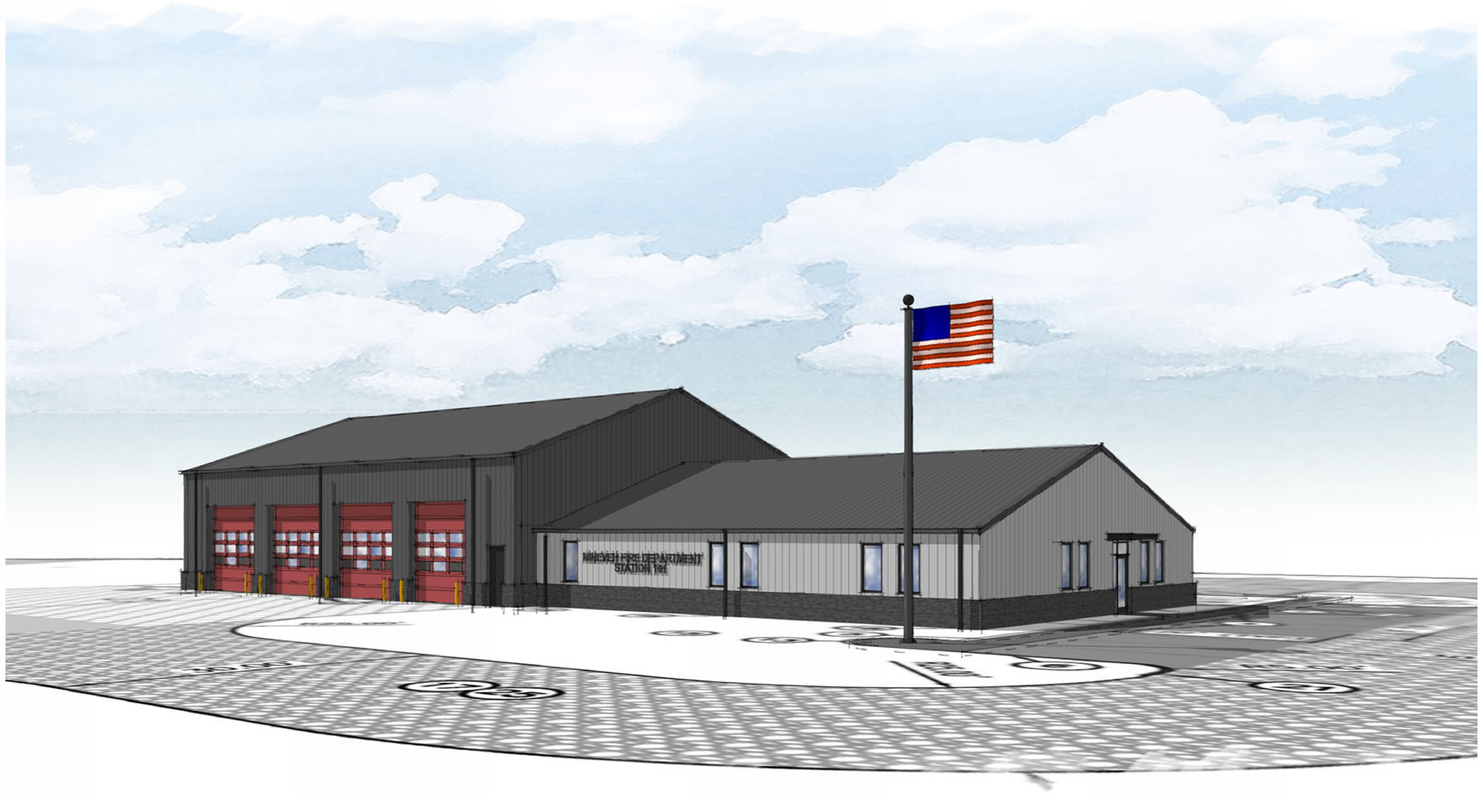
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

MAY 14, 2026 - BID AND PERMIT SET

S NINEVEH ROAD
NINEVEH, IN 46164



DWG #	DRAWING NAME	MAY 14, 2026 - BID AND PERMIT SET			
GENERAL					
G-001	COVER SHEET	•			
G-002	CODE REVIEW AND LIFE SAFETY PLAN	•			
CIVIL					
C0.00	COVER SHEET	•			
C0.01	GENERAL NOTES	•			
C0.10	EXISTING CONDITIONS	•			
C0.20	DEMOLITION PLAN	•			
C1.00	SITE PLAN	•			
C1.10	GRADING & DRAINAGE PLAN	•			
C1.20	UTILITY PLAN	•			
C1.40	PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN	•			
C1.50	POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN	•			
C3.00	MAINTENANCE OF TRAFFIC	•			
C4.00	SANITARY PLAN & PROFILE	•			
C6.00	STORM PLAN & PROFILE	•			
C6.01	STORM PLAN & PROFILE	•			
C8.00	STORMWATER POLLUTION PREVENTION NOTES	•			
C8.01	STORMWATER POLLUTION PREVENTION NOTES	•			
C8.02	STORMWATER POLLUTION PREVENTION DETAILS	•			
C8.10	CONSTRUCTION DETAILS	•			
C8.11	CONSTRUCTION DETAILS	•			
C8.12	CONSTRUCTION DETAILS	•			
LANDSCAPE					
L1.00	LANDSCAPE PLAN	•			
L8.00	LANDSCAPE DETAILS	•			
L8.10	LANDSCAPE SPECIFICATIONS	•			
STRUCTURAL					
S-001	GENERAL NOTES & ABBREVIATIONS	•			
S-010	LOAD MAPS & PLAN LEGENDS	•			
S-100	FOUNDATION PLAN	•			
S-111	ROOF FRAMING PLAN	•			
S-300	BUILDING SECTIONS	•			
S-500	FOUNDATION SCHEDULES, SECTIONS, & DETAILS	•			
S-501	FOUNDATION SCHEDULES, SECTIONS, & DETAILS	•			
S-510	MASONRY SCHEDULES, SECTIONS, & DETAILS	•			
S-520	FRAMING SCHEDULES, SECTIONS, & DETAILS	•			
S-521	FRAMING SCHEDULES, SECTIONS, & DETAILS	•			
S-522	FRAMING SCHEDULES, SECTIONS, & DETAILS	•			
S-700	SPECIAL INSPECTIONS	•			
ARCHITECTURAL					
A-001	GENERAL NOTES, SYMBOLS, LEGENDS AND EXTERIOR WALLS	•			
A-002	INTERIOR WALL TYPES AND DETAILS	•			
A-003	ADA DETAILS	•			
A-100	ARCHITECTURAL SITE PLAN	•			
A-101	FIRST FLOOR CONSTRUCTION PLAN	•			
A-101D	FIRST FLOOR DIMENSION PLAN	•			
A-102	MEZZANINE CONSTRUCTION PLAN	•			
A-103	ROOF PLAN	•			
A-110	ENLARGED PLANS	•			
A-120	STAIR PLANS AND SECTIONS	•			
A-121	STAIR DETAILS	•			
A-130	PLAN DETAILS	•			
A-201	EXTERIOR ELEVATIONS	•			
A-202	EXTERIOR ELEVATIONS	•			
A-204	3D EXTERIOR VIEWS	•			
A-301	BUILDING SECTIONS	•			
A-302	WALL SECTIONS	•			
A-303	WALL SECTIONS	•			
A-310	SECTION DETAILS	•			
A-320	TYPICAL ZIP SHEATHING AND WINDOW INSTALLATION DETAILS	•			
A-401	FIRST FLOOR REFLECTED CEILING PLAN	•			
A-401L	FIRST FLOOR LIGHTING REFERENCE PLAN	•			
A-501	DOOR SCHEDULE	•			
A-503	EXTERIOR DOOR DETAILS	•			
A-504	WINDOW, STOREFRONT AND EXTERIOR DOOR DETAILS	•			
A-505	WINDOW AND STOREFRONT ELEVATIONS	•			
A-601	INTERIOR ELEVATIONS	•			
A-602	INTERIOR ELEVATIONS	•			
A-603	INTERIOR ELEVATIONS	•			
A-700	FINISH SCHEDULES AND SPECIFICATIONS	•			
A-701	FIRST FLOOR AND MEZZANINE INTERIOR FINISH PLANS	•			
A-710	ENLARGED INTERIOR FINISH PLANS	•			
A-801	EQUIPMENT PLANS	•			
A-901	INTERIOR SIGNAGE PLAN	•			
MECHANICAL					
M-000	MECHANICAL SYMBOLS, LEGENDS & ABBREVIATIONS	•			
H-101	FIRST FLOOR HVAC PLAN	•			
H-102	ROOF HVAC PLAN	•			

DWG #	DRAWING NAME	MAY 14, 2026 - BID AND PERMIT SET			
HP101	FIRST FLOOR & MEZZANINE HVAC PIPIN PLAN	•			
H-301	ENLARGED HVAC PLANS AND SECTIONS	•			
H-302	ENLARGED HVAC PLANS AND SECTIONS	•			
H-401	VEHICLE EXHAUST SYSTEM	•			
H-501	HVAC SCHEDULES	•			
H-502	HVAC SCHEDULES	•			
H-601	HVAC DETAILS	•			
PLUMBING					
P-100	UNDER FLOOR PLUMBING PLAN	•			
P-101	FIRST FLOOR PLUMBING PLAN	•			
P-103	ROOF PLUMBING PLAN	•			
P-301	PLUMBING ENLARGED PLANS	•			
P-501	PLUMBING SCHEDULES	•			
P-601	PLUMBING DETAILS	•			
P-901	PLUMBING WASTE AND VENT ISOMETRICS	•			
ELECTRICAL					
E-000	ELECTRICAL SYMBOLS AND ABBREVIATIONS	•			
ES101	ELECTRICAL SITE PLAN	•			
EL101	FIRST FLOOR LIGHTING PLAN	•			
EP100	UNDERGROUND SITE PLAN				
EP101	FIRST FLOOR POWER PLAN	•			
EP102	ROOF POWER PLAN	•			
EP601	ENLARGED POWER PLANS	•			
ET101	FIRST FLOOR SYSTEMS PLAN	•			
ET601	SYSTEMS DETAILS	•			
E-401	ELECTRICAL ONE-LINE DIAGRAM	•			
E-501	LIGHTING SCHEDULE	•			
E-502	MOTORIZED EQUIPMENT SCHEDULE	•			
E-503	PANEL SCHEDULES	•			
E-601	ELECTRICAL DETAILS	•			
E-602	ELECTRICAL DETAILS	•			
E-603	ELECTRICAL DETAILS	•			
FA101	FIRST FLOOR FIRE ALARM PLAN	•			

DESIGN TEAM CONTACTS

ARCHITECT
STUDIOAXIS
Kevin Cooper, Partner in Charge
Ashley Thornberry, Project Manager
618 East Market Street
Indianapolis, Indiana 46202
PH 317 264-8162

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
501 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

PROJECT CONTACTS

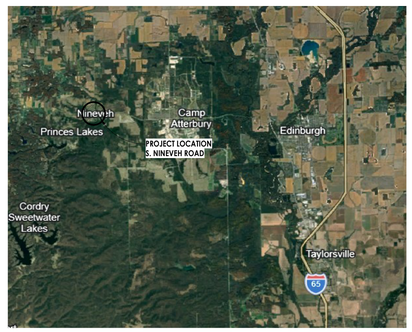
OWNER
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

BUILDING INFORMATION

USE GROUP	B-OCCUPANCY
CONSTRUCTION TYPE	VB
BUILDING GROSS AREA	
FIRST FLOOR	9,015 SF
MEZZANINE	433 SF
GROSS AREA TOTAL	9,448 SF

SITE LOCATION



BUILDING LOCATION

ALTERNATES

ALTERNATE #01:	ADD HEAVY-DUTY ASPHALT AT THE RETURN DRIVE.
ALTERNATE #02:	ADD A DRIVE FROM THE NORTHWEST NEIGHBORHOOD TO THE FIRE STATION.
ALTERNATE #03:	ADD AN ELECTRIC GATE AT THE DRIVE FROM THE NORTHWEST NEIGHBORHOOD.
ALTERNATE #04:	ADD A FOURTH DRIVE THROUGH APPARATUS BAY.
ALTERNATE #05:	ADD A METAL ROOF INSTEAD OF ASPHALT SHINGLES.
ALTERNATE #06:	ADD EPOXY FLOORING TO THE APPARATUS BAY AND SUPPORT ROOMS INSTEAD OF SEALED CONCRETE.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
501 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

COVER SHEET

G-001

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_R25_v26.rvt
5/14/2026 5:18:58 PM

OCCUPANCY SCHEDULE

RM #	ROOM NAME	NET AREA	AREA/ OCC.	OCC. TYPE	# OCC'S	COMMENTS
FIRST FLOOR						
101	VESTIBULE	37 SF	100 SF	Business Area	1	
102	OFFICE	103 SF	100 SF	Business Area	2	
103	OFFICE	97 SF	100 SF	Business Area	1	
104	TRAINING ROOM	543 SF	15 SF	Assembly Unconcentrated	37	
105	HALLWAY	190 SF	100 SF	Business Area	2	
106	PUBLIC RESTROOM	64 SF	100 SF	Business Area	1	
107	HALLWAY	265 SF	100 SF	Business Area	3	
108	DORM ROOM	117 SF	100 SF	Business Area	2	
109	DORM ROOM	97 SF	100 SF	Business Area	1	
110	DORM ROOM	96 SF	100 SF	Business Area	1	
111	DORM ROOM	95 SF	100 SF	Business Area	1	
112	RISER ROOM	123 SF	300 SF	Acccessory Mechanical	1	
113	WATCH ROOM	105 SF	100 SF	Business Area	2	
114	BATH	66 SF	100 SF	Business Area	1	
115	BATH	66 SF	100 SF	Business Area	1	
116	LAUNDRY	85 SF	100 SF	Business Area	1	
117	FITNESS ROOM	236 SF	100 SF	Business Area	3	
118	AIR LOCK	37 SF	100 SF	Business Area	1	
119	STORAGE	54 SF	300 SF	Accessory Storage	1	
120	PANTRY	48 SF	300 SF	Accessory Storage	1	
121	IT/ ELEC	78 SF	300 SF	Acccessory Mechanical	1	
122	HALLWAY	165 SF	100 SF	Business Area	2	
123	KITCHEN/ DINING	397 SF	100 SF	Business Area	4	
124	DAY ROOM	320 SF	100 SF	Business Area	4	
125	AIR LOCK	34 SF	100 SF	Business Area	1	
126	APPARATUS BAY	4,803 SF	100 SF	Business Area	49	
127	GEAR STORAGE	121 SF	300 SF	Accessory Storage	1	
128	DECON	68 SF	100 SF	Business Area	1	
129	EMS STORAGE	67 SF	300 SF	Accessory Storage	1	
130	GEAR LAUNDRY	122 SF	100 SF	Business Area	2	
30		8,700 SF			130	
MEZZANINE						
201	MECHANICAL	397 SF	300 SF	Acccessory Mechanical	2	
1		397 SF			2	
Grand total: 31		9,098 SF			132	

LIFE SAFETY PLAN LEGEND

INDICATES ONE-HOUR RATED CONSTRUCTION

INDICATES TWO-HOUR RATED CONSTRUCTION

INDICATES EGRESS PATH

FEC

INDICATES FIRE EXTINGUISHER LOCATION

OCCUPANT LOAD

75

256

OCCUPANT CAPACITY

EGRESS CAPACITY TAG

NUMBER OF OCCUPANTS

SPACE FUNCTION FROM TABLE 1004.1.1

B 32

24000 SF

B = Business/Office
S = Storage
M = Mechanical
A = Assembly

AREA OF SPACE (net or gross)

OCCUPANCY TAG

AREA INCREASE CALCULATION

506.1 General.

The areas limited by table 503 shall be permitted to be increased due to frontage and automatic sprinkler system protection in accordance with the following:

Aa = [At + [At x If] + [At x Is]] (Equation 5-1)

At	Tabular area	=	9000
If	Frontage increase factor	=	0.50
Is	Sprinkler increase factor	=	2
F	Building perimeter fronting public way or open space of 20 feet	=	425
P	Perimeter of entire building	=	425
W	Width of public way	=	20

Aa = [9000 + [9000 x 0.50] + [9000 x 2]]

Aa Allowable area per story = 31,500

ACTUAL AREA

First Floor	=	18,488 SF
Second Floor	=	7,049 SF
Total	=	25,537 SF

CODE SUMMARY

APPLICABLE CODES

Indiana General Administrative Rules
2014 Indiana Building Code (IBC)*
2014 Indiana Fire Code
2009 Indiana Electrical Code
2014 Indiana Mechanical Code
2012 Indiana Plumbing Code
2010 Indiana Energy Conservation Code
*code referenced unless otherwise noted

SCOPE OF PROJECT

A new 1-story fire station with mezzanine.

OCCUPANCY CLASSIFICATION

Fire station and rooms or spaces used for assembly purposes that are less than 750 square feet in are or have a calculated occupant load less than 49, B Occupancy [304.1) [304.1, 303.1.2, 1 &2]

CONSTRUCTION TYPE

Type VB Construction permitted.

ALLOWABLE AREA

Tabular Area:	9,000 SF	
Frontage Increase	+ 6,000 SF	
Allowable Area :	15,750 SF	[Table 503, 506.2]
Actual Area Per Floor:		
First Floor:	9,015 SF	
Mezzanine:	433 SF	
Total:	9,448 SF	

ALLOWABLE HEIGHT

2 stories and 40 feet [Table 503]
1 story actual

BUILDING ELEMENTS-FIRE RESISTIVE REQUIREMENTS

Building elements, including structural frame, walls, floors, and roof are permitted to be of combustible, non-rated construction. Exterior walls permitted to be non-rated based upon having a fire separation distance of 10 feet or more. [Table 601, Table 602]

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:

Unlimited based upon having a fire separation distance of 10 feet or more. [Table 705.8, 705.8.1, exc. 2]

INCIDENTAL USE SEPARATIONS

The following rooms are required to be separated by 1-hour fire barriers. Openings must be 45-minute rates and self or automatic closing:
Furnace rooms with equipment over 400,000 Btu/hour input
Laundry rooms over 100 sf. [Table 509]
Electrical transformer rooms required to be separated with 1-hour construction if containing oil-insulated transformers over 75kVA, or dry-type transformers over 112.5kVA; and the transformers are less than a Class 155 insulation system rating. [450.42, 450.21(b), IEC]

OCCUPANT LOAD FACTORS

Business: 100 sq. ft./occ.
Unconcentrated assembly use:15 sq. ft./occ.
Training: 20 sq. ft./occ.
Exercise Rooms: 50 sq. ft./occ.
Sleeping Areas: 120 sq. ft./occ.
Storage Areas: 300 sq. ft./occ.

MEZZANINES

Mezzanines must not exceed one-third of the floor area of the room they are located in. [505.2.1]

Mezzanines or portions thereof are not required to be open to the room in which it is located where two means of egress are provided or the occupant load of the enclosed space is not greater than 10. [505.2.3, exc.1 & 5]

A single means of egress is permitted from a mezzanine where occupant load does not exceed 30 and the common path of travel does not exceed 100 feet. [Table 1014.3, Table 1015.1]

CORRIDORS

Corridors permitted be a minimum 36 inches in clear an unobstructed width based upon serving an occupant load less than 50. [Table 1018.2]

Corridors are permitted to be non-rated construction, based upon serving 30 or fewer occupants. [Table 1018.1]

DOORS

Door width must be a minimum of 32 inches clear and 48 inches maximum. [1008.1.1]

Egress doors must swing in the direction of egress when serving 50 or more occupants. Egress doors are required to be side hinged swinging type, except for office and storage areas with and occupant load of less than 10. Manually operated horizontal sliding doors permitted from rooms with an occupant load that does not exceed 10. 1008.1.2]

Panic hardware is not required for 8 Occupancies [1008.1.10]

EXITS ACCESS DOORWAYS

Two exit access doors are required from rooms or areas with an occupant load greater than 49 or where the common path of travel exceeds 75 feet. [Table 1015.1, Table 1014.3]

EXITS

A minimum of 2 exits must be provided. [Table 1019.1]

An exit of 0.2 in/occupant for horizontal travel such as doors ramps, etc. [Table 1015.1]

ARRANGEMENT OF EXITS

When two exits or exit access doorways are required, they must be separated by at least one-half of the overall diagonal dimension of the area served. [1015.2.1]

TRAVEL DISTANCE

Travel distance to an exit from any point must not exceed 200 feet [Table 1016.2]

ILLUMINATION OF MEANS OF EGRESS

Illumination must be provided for required means of egress as well as the exit discharge that leads to a public way at all times the building space is served by the means of egress is occupied [1006.1]

EMERGENCY LIGHTING

Emergency lighting is required in all stairs, corridors, and rooms and spaces that require more than one means of egress or exit and at exterior exits in buildings that require two or more exits. [1006.3]

EXIT SIGNS

Exit signs and emergency lighting required for rooms and areas that require more than one exit access. [1011.1]

AUTOMATIC SPRINKLERS

The building is not required to be sprinklered.

FIRE ALARM SYSTEM

A fire alarm system is not required, based upon a calculated occupant load of 500 or less. [907.2.2]

SMOKE DETECTORS

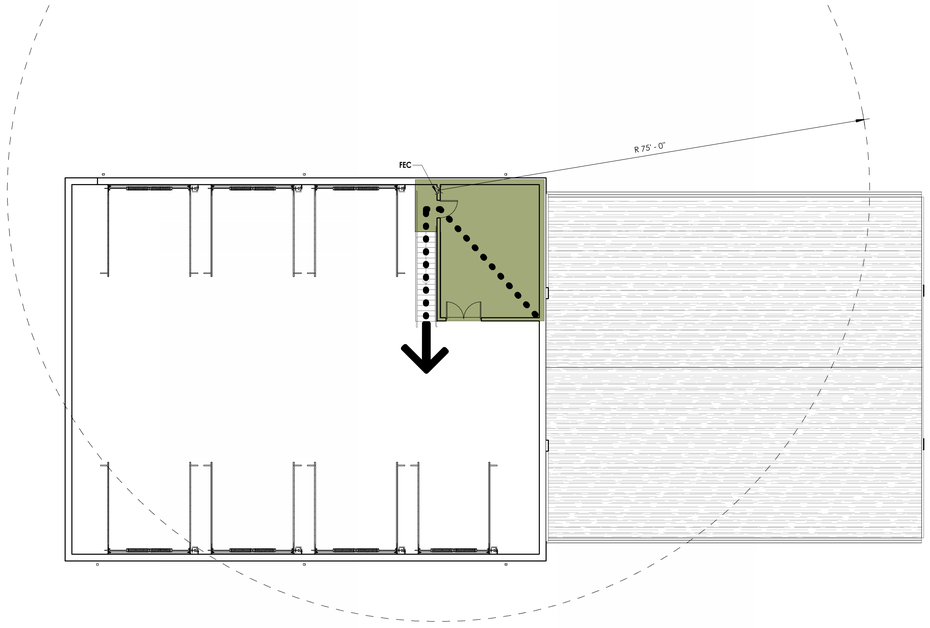
Smoke detectors must be installed in return air systems with a design capacity greater than 2,000 cfm, in the supply air duct. [606.2, IMC]

PLUMBING FIXTURES REQUIRED

Based on actual occupant load:

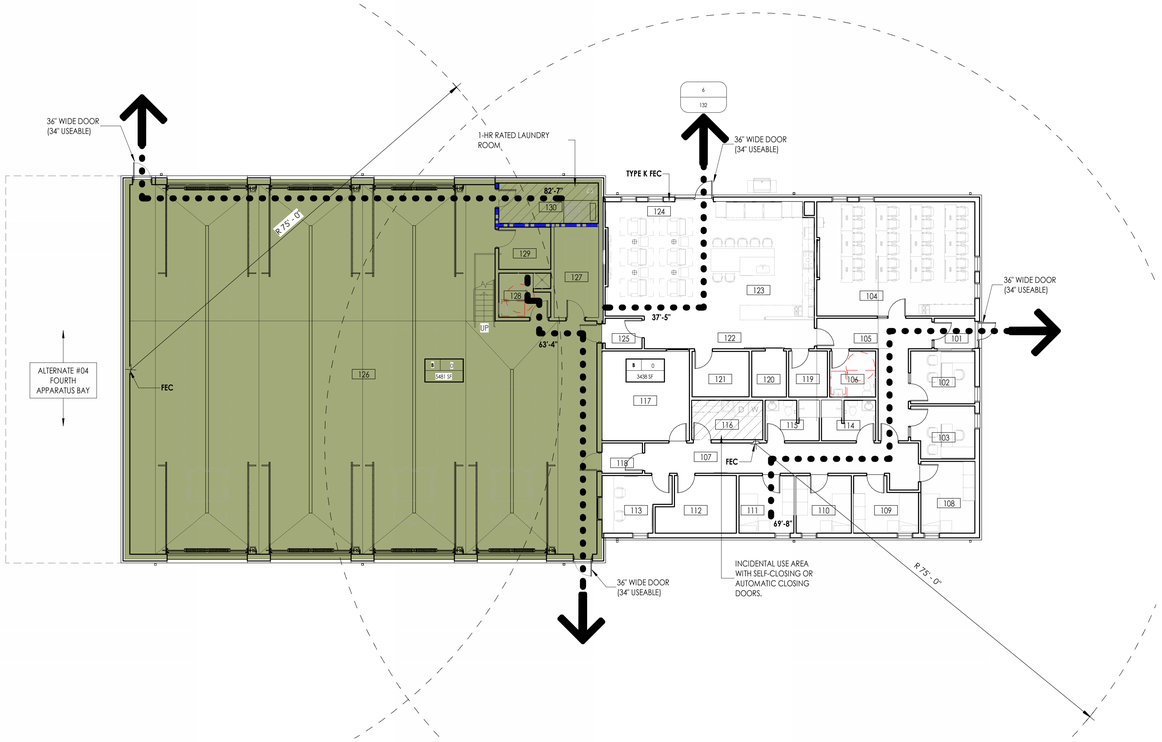
Occupancy Type	B
Code Occupant Load	132
Actual Occupant Load	6

GENDER	MALE			FEMALE		UNISEX		DRINKING FOUNTAINS	SERVICE SINK
POPULATION	3			3				6	
ITEM	W/C	Urinal	Lavatory	W/C	Lavatory	W/C	LAVATORY		
	1 per 25 for 1st 50, then 1/50	Up to 66%	1 per 40 for 1st 80, then 1/60	1 per 25 for 1st 50, then 1/50	1 per 40 for 1st 80, then 1/60	-	-	1 per 100	1
REQUIRED	1	0	1	1	1	0	0	0	1
PROVIDED									
1st FLOOR	1	0	1	2	1	2	2		2
TOTAL	1	0	1	2	1	2	2	0	32



02 MEZZANINE LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"



01 FIRST FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANIEL EDGE, DREW WHITE
REGISTERED
No. AR-19400091
STATE OF INDIANA

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

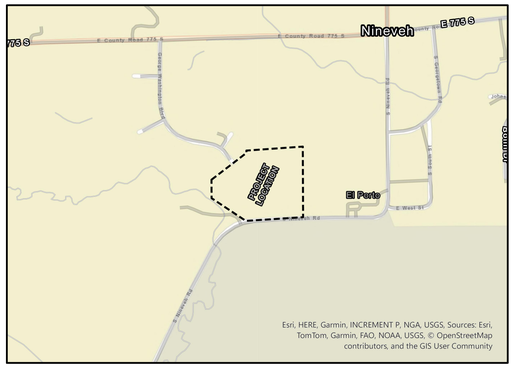
CODE REVIEW AND LIFE SAFETY PLAN

G-002

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_v26.rvt
5/14/2026 5:19:03 PM

NINEVEH
FIRE STATION 101

SOUTHEAST QUARTER SECTION 28 T-11-N, R-4-E
NINEVEH TOWNSHIP



VICINITY MAP
SCALE: 1"=500'

PROPERTY ADDRESS:
775 S
Nineveh, IN 46164
PARCEL #41-11-28-044-15.000-020

OWNER:
Nineveh Fire Protection
Board of Trustees
844 E. 775 S.
Nineveh, IN 46164

AGENT/ENGINEER:
HWC Engineering
Alexander K. McDaniel, P.E.
135 N. Pennsylvania,
Suite 2800
Indianapolis, IN 46204
(317) 347-3663

JOHNSON COUNTY:
Johnson County Planning & Zoning
Michele Hansard, AICP, Director
86 West Court Street Courthouse Annex
Franklin, IN 46131

SOILS MAP
SCALE: 1"=200'

SOILS LEGEND

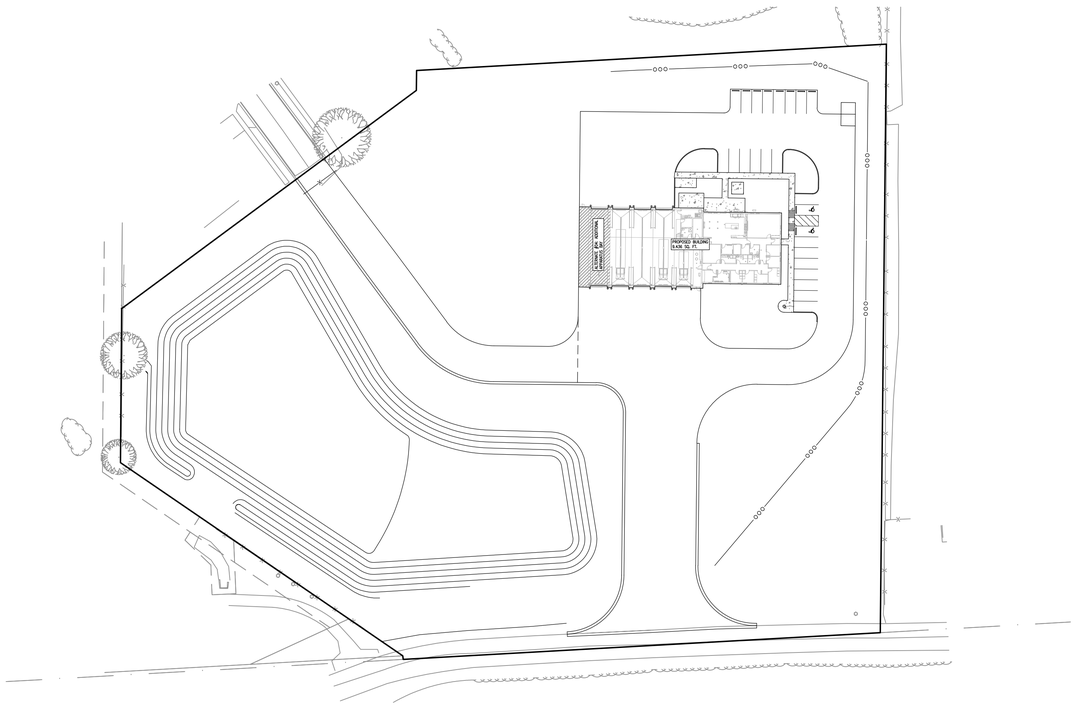
MnC2	Miami silt loam, 6 to 12 percent slopes, eroded
MnB2	Miami silt loam, 2 to 6 percent slopes, eroded
Sh	Shoals silt loam

SURVEY LEGAL DESCRIPTION

PART OF THE SOUTHEAST QUARTER OF SECTION 28, TOWNSHIP 11 NORTH, RANGE 4 EAST OF THE SECOND PRINCIPAL MERIDIAN, NINEVEH TOWNSHIP, JOHNSON COUNTY, INDIANA, DESCRIBED AS FOLLOWS:

THIS DESCRIPTION WAS PREPARED IN CONJUNCTION WITH THE BOUNDARY RETRACEMENT SURVEY PREPARED BY BRADLEY P. OTT (LS 29600012) WITH MAIN STREET CONSULTING COMPANY FOR NINEVEH TOWNSHIP VOLUNTEER FIRE DEPARTMENT, PROJECT NUMBER 19-026, DATED AUGUST 28, 2019 AND RECORDED AS INSTRUMENT 2019-019140.

COMMENCING AT AN IRON PIN FOUND AT THE SOUTHEAST CORNER OF THE QUARTER SECTION; THENCE SOUTH 86 DEGREES 47 MINUTES 42 SECONDS WEST (THE BASIS OF BEARINGS ARE REFERENCED TO GRID BEARINGS BASED ON NAD83 INDIANA STATE PLANE COORDINATE SYSTEM, EAST ZONE PER INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) CONTINUOUSLY OPERATING REFERENCE STATIONS (InCORS) REAL-TIME KINEMATIC (RTK) CORRECTION SERVICE AUGUST 2019) ALONG THE SOUTH LINE THEREOF 590.70 FEET A MAG SPIKE SET AT THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 86 DEGREES 47 MINUTES 42 SECONDS WEST ALONG SAID SOUTH LINE 400.62 FEET TO A MAG SPIKE SET; THENCE NORTH 06 DEGREES 05 MINUTES 23 SECONDS WEST 3.01 FEET TO A MAG SPIKE SET AT THE MOST EASTERLY CORNER OF THE MARSHALL SUBDIVISION, RECORDED IN PLAT BOOK 9 PAGE 99 (INSTRUMENT 1980-000740) IN THE RECORDS OF THE RECORDER OF JOHNSON COUNTY, INDIANA; THE NEXT TWO (2) COURSES FOLLOW THE NORTHERLY AND EASTERLY LINES OF SAID MARSHALL SUBDIVISION; (1) THENCE NORTH 55 DEGREES 37 MINUTES 09 SECONDS WEST 286.88 FEET TO A REBAR FOUND; THENCE NORTH 00 DEGREES 26 MINUTES 37 SECONDS EAST 129.20 FEET TO THE SOUTHWEST CORNER OF LOT 35 WILLIAMSBURG LAKE ESTATES (INSTRUMENT 1999-024482); THENCE NORTH 53 DEGREES 29 MINUTES 25 SECONDS EAST ALONG THE SOUTHEASTERLY LINE THEREOF 307.51 FEET TO A REBAR/CAP MARKED "MAJOR" FOUND IN CONCRETE AT A CORNER OF LOT 34 THEREOF; THENCE NORTH 00 DEGREES 36 MINUTES 40 SECONDS EAST 16.70 FEET TO A REBAR/CAP MARKED "MAJOR" FOUND IN CONCRETE AT A CORNER OF LOT 34 THEREOF; THENCE NORTH 86 DEGREES 47 MINUTES 42 SECONDS EAST 394.49 FEET TO A REBAR FOUND WITH NO CAP; THENCE SOUTH 00 DEGREES 35 MINUTES 43 SECONDS WEST PARALLEL WITH THE EAST LINE OF THE QUARTER SECTION 493.52 FEET TO THE POINT OF BEGINNING, CONTAINING 6.170 ACRES, MORE OR LESS.



BENCHMARK INFORMATION:

ORIGINATING BENCHMARK:
ELEVATION DATA IS BASED UPON CONTROL ORIGINATING FROM GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS PROCESSED UTILIZING THE NATIONAL GEODETIC SURVEY (NGS) ONLINE POSITIONING USER SERVICE (OPUS), AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TEMPORARY BENCHMARK (TBM) MONUMENTS #1 THROUGH #2, LISTED BELOW, WERE ESTABLISHED WITH ON-SITE BASE GPS/GNSS OBSERVATION AND CONVENTIONAL METHODS. HORIZONTAL COORDINATES ARE FOR REFERENCE PURPOSES ONLY AND ARE REFERENCED TO THE SPCS INDIANA EAST ZONE.

TBM #1
TOP OF SOUTHWEST CORNER OF CONCRETE WALK LOCATED ±4 FEET SOUTH OF THE SOUTHWEST CORNER OF THE BUILDING AT 8034 S NINEVEH RD., ±48 FEET EAST OF THE 6" TALL CHAIN-LINK FENCE, AND ±79 FEET NORTH OF THE CENTERLINE OF S NINEVEH RD. ELEVATION= 789.57 (NAVD88)
[NORTHING: 1,497,485.897; EASTING: 209,217.528]

TBM #2
SOUTH BONNET BOLT OF FIRE HYDRANT, ARROWBOLT, LOCATED ON THE SOUTHWEST SIDE OF GEORGE WASHINGTON BLVD., ±20 FEET SOUTHWEST OF THE CENTERLINE OF GEORGE WASHINGTON BLVD., ±70 FEET SOUTHWEST OF THE CENTER LID OF THE SANITARY MANHOLE, AND ±117 FEET NORTHWEST OF THE HYDRANT LOCATED AT THE END OF THE WALK JUST SOUTH OF GEORGE WASHINGTON BLVD. ELEVATION= 782.92 (NAVD88)
[NORTHING: 1,497,878.998; EASTING: 208,598.781]

SHEET LIST TABLE

Sheet Number	Sheet Description
C0.00	COVER SHEET
C0.01	GENERAL NOTES
C0.10	EXISTING CONDITIONS
C0.20	DEMOLITION PLAN
C1.00	SITE PLAN
C1.10	GRADING & DRAINAGE PLAN
C1.20	UTILITY PLAN
C1.40	PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
C1.50	POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
C3.00	MAINTENANCE OF TRAFFIC
C4.00	SANITARY PLAN & PROFILE
C6.00 - C6.01	STORM PLAN & PROFILE
C8.00 - C8.01	STORMWATER POLLUTION PREVENTION NOTES
C8.02	STORMWATER POLLUTION PREVENTION DETAILS
C8.10 - C8.12	CONSTRUCTION DETAILS
L1.00	LANDSCAPE PLAN
L8.00	LANDSCAPE DETAILS
L8.10	LANDSCAPE SPECIFICATIONS

FLOOD HAZARD STATEMENT:

THE ACCURACY OF THE FLOOD HAZARD INFORMATION SHOWN OR IDENTIFIED HEREON IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP. THE WITHIN DESCRIBED TRACT OF LAND LIES WITHIN FLOOD HAZARD ZONE X AS SAID TRACT PLOTS BY SCALE ON COMMUNITY PANEL NUMBER 18081C0327D OF THE FLOOD INSURANCE RATE MAPS FOR JOHNSON COUNTY, INDIANA (MAPS DATED AUGUST 2, 2007).

SITE MAP
NOT TO SCALE

PREPARED BY:
HWC Engineering
135 N. Pennsylvania, Suite 2800
Indianapolis, IN 46204
(317) 347-3663

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

JOHNSON COUNTY CONTACT INFORMATION:

PLANNING & ZONING:
MICHELE HANSARD, AICP, DIRECTOR
RICHARD R. HOOVER, PE, PLANNING ENGINEER
86 WEST COURT STREET COURTHOUSE ANNEX
FRANKLIN, IN 46131
CONTACT: (317) 346-4350

HIGHWAY DEPARTMENT:
DANIEL JOHNSTON P.E.
1051 HOSPITAL ROAD
FRANKLIN, IN 46131
CONTACT: (317) 346-4630

NINEVEH TOWNSHIP FIRE DEPT.:
844 EAST 775 SOUTH
NINEVEH, IN 46164
CONTACT: (317) 933-2567

HEALTH DEPARTMENT:
BETSY SWEARINGEN
95 SOUTH DRAKE ROAD
FRANKLIN, IN 46131
CONTACT: (317) 346-4365

SURVEYOR'S OFFICE:
GREGG CANTWELL
86 WEST COURT STREET
FRANKLIN, IN 46131
CONTACT: (317) 346-4341

UTILITY CONTACT INFORMATION:

SANITARY SEWER:
NINEVEH CONSERVANCY DISTRICT
ROBERT WILSON
P.O. BOX 217
NINEVEH, IN 46164
CONTACT: (317) 306-9184

WATER:
PRINCES LAKES UTILITIES
SCOTT BLACKWELL
3029 E HOSPITAL RD
EDINBURGH, IN
CONTACT: (812) 526-2126

NATURAL GAS:
CENTERPOINT ENERGY
RON SPAIN
600 INDUSTRIAL DRIVE
FRANKLIN, IN 46131
CONTACT: (317) 736-2907

ELECTRICAL:
DUKE ENERGY
JESSICA JACKSON
FRANKLIN DISTRICT
CONTACT: (317) 341-0042

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
COVER SHEET

ALEXANDER K. McDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY	JOB NUMBER 2501-735-A
DW, MJ	
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	
SHEET	
C0.00	
COVER SHEET	

© 2026

Plot Date: May 13, 2026 Plot Time: 3:54pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Cover.dwg, Layout: C0.00 COVER By: amcdaniel

OVERALL PROJECT GENERAL NOTES:

1. SURVEY PREPARED BY:
   HWC ENGINEERING
   135 NORTH PENNSYLVANIA STREET, SUITE 200
   INDIANAPOLIS, INDIANA 46204
   317-347-3663
2. CONTRACTOR SHALL PERFORM ALL MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH STATE AND LOCAL STANDARDS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL, AT A MINIMUM, PROVIDE TRAFFIC CONTROL AS REQUIRED TO SAFELY PROTECT THE GENERAL PUBLIC, THE CONTRACTOR'S WORK FORCES AND THE WORK.
3. CONTRACTOR SHALL COMPLY WITH ANY AND ALL SAFETY REGULATIONS AND REQUIREMENTS RELATED TO THE PROPOSED WORK. SAFETY PROVISIONS FOR THE WORK SHALL BE IN FULL COMPLIANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND ANY OTHER LOCAL, STATE OR FEDERAL AGENCY HAVING JURISDICTION. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE OPTION OF THE OWNER AND/OR ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BARRICADES, FENCES, WARNING SIGNS, FLASHING LIGHTS, TEMPORARY WALKWAYS AND OTHER SAFETY MEASURES DURING CONSTRUCTION.
5. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND PERMITS REQUIRED FOR WORK.
7. PLANS AND SPECIFICATIONS REFERENCE ARCHITECT, ENGINEER AND LANDSCAPE ARCHITECT INTERCHANGEABLY THROUGHOUT.
8. NO CHANGES SHALL BE MADE TO THE PROPOSED WORK WITHOUT WRITTEN APPROVAL OF ENGINEER.
9. ANY DEVIATIONS OF THE EXISTING CONDITIONS FROM THOSE SHOWN ON THE PLANS THAT AFFECT THE IMPROVEMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE CONSTRUCTION PROCEEDS AT THAT LOCATION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING SURVEY MONUMENTS. ANY MONUMENT DISTURBED OR DESTROYED DURING CONSTRUCTION ACTIVITY SHALL BE REPLACED BY A LICENSED SURVEYOR.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING BENCHMARKS. IF BENCHMARKS ARE TO BE DISTURBED OR REMOVED AS PART OF THE WORK, CONTRACTOR SHALL HAVE A LICENSED SURVEYOR ESTABLISH ANOTHER BENCHMARK AT A LOCATION OUT OF HARM'S WAY
12. EXCAVATION AND DISPOSAL OF MATERIAL SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND ENVIRONMENTAL REGULATIONS. CONTRACTOR SHALL CEASE EXCAVATION ACTIVITIES AND NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY IF CONTAMINATED SOIL OR OTHER ENVIRONMENTAL HAZARD IS ENCOUNTERED.
13. CONTRACTOR SHALL ADJUST ELEVATION OF ANY SURFACE FEATURE (RIM, GRATE, HYDRANTS, VALVES, HAND HOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS AFFECTED BY NEW CONSTRUCTION OR GRADING.
14. CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING SITE AREAS OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO AT LEAST THE CONDITION THAT EXISTED BEFORE CONSTRUCTION.
15. COORDINATE WORK ON CIVIL DRAWINGS WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AND STRUCTURAL WORK.

UTILITY GENERAL NOTES:

1. NOT ALL UTILITY LINES, WHETHER ABOVE OR BELOW GROUND, HAVE BEEN SHOWN ON THE DRAWINGS. ANY UNDERGROUND INFORMATION SHOWN ON THE DRAWINGS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONTRACTOR'S BENEFIT. CONTRACTOR SHALL CONTACT 811 FOR LOCATION OF EXISTING UNDERGROUND UTILITIES BEFORE EXCAVATION BEGINS.
2. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR PROTECTING ALL UTILITIES IN THE WORK AREA WHETHER SHOWN OR NOT, AND SHALL REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES MAY BE DIFFERENT FROM THAT SHOWN ON THE DRAWINGS. ALL EXISTING UTILITIES ENCOUNTERED, WHETHER IN PUBLIC RIGHTS OF WAY OR ON PRIVATE PROPERTY, SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN IN SERVICE.
3. ANY UTILITIES WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION TO SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE UTILITY.
4. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OR RESUMPTION OF WORK WHICH COULD DISRUPT THE RESPECTIVE UTILITY SERVICE. CONTRACTOR SHALL COORDINATE ANY DISRUPTION OF AN ACTIVE UTILITY SERVICE WITH ENGINEER, OWNER, AND UTILITY COMPANY.
5. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR DIRECTION SHOULD UNCHARTED, INCORRECTLY CHARTED OR OTHER UTILITIES BE ENCOUNTERED DURING CONSTRUCTION. ANY DEVIATIONS FROM THE UTILITY LOCATIONS OR ELEVATIONS FROM THOSE SHOWN ON THE PLANS SHALL BE REPORTED TO THE ENGINEER BEFORE CONSTRUCTION PROCEEDS AT THAT LOCATION.
6. CONTRACTOR SHALL UNCOVER ALL TIE-IN AND CROSSING LOCATIONS PRIOR TO ANY UNDERGROUND PIPE INSTALLATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ALL EXISTING UTILITIES WHICH ARE IN CONFLICT WITH THE IMPROVEMENTS SHOWN ON THE SITE PLANS. IF MINOR UTILITY CONFLICTS ARISE, CONTRACTOR MAY SHIFT THE LOCATION OF THE PROPOSED IMPROVEMENTS AFTER NOTIFYING ENGINEER.
8. REFER TO BUILDING PLANS FOR ALL INFORMATION REGARDING UTILITY LAYOUT AND DETAILS WITHIN THE BUILDING AND EXTENDING OUT 5-FEET FROM EXTERIOR FACE OF BUILDING. ALL MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN AND COORDINATION SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
9. ALL UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS FOR EACH UTILITY AGENCY HAVING JURISDICTION.
10. ALL EXCAVATED TRENCHES UNDER PROPOSED PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE BACKFILLED WITH GRANULAR MATERIAL AND COMPACTED IN LIFTS ACCORDING TO CONSTRUCTION DETAILS. GRANULAR MATERIAL SHALL EXTEND 5 FEET BEYOND THE LIMITS OF THE PAVEMENT AT THE SURFACE WITH A 1:1 SLOPE OUTWARD TO THE BOTTOM OF THE TRENCH.
11. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES AND CONDUITS TO AVOID CONFLICTS AND PROVIDE REQUIRED MINIMUM DEPTHS OF COVER. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL BENDS, FITTINGS OR STRUCTURES REQUIRED TO ASSURE PROPER INSTALLATION.
12. ALL COORDINATES AND DIMENSIONS ARE TO THE CENTERLINE OF THE UTILITIES AND STRUCTURES.
13. WHERE NECESSARY, UTILITY SERVICE CONDUITS SHALL BE INSTALLED UNDER PAVED AREAS AND BACKFILLED AS SPECIFIED ABOVE BEFORE PAVEMENT IS CONSTRUCTED. COORDINATE CONDUIT REQUIREMENTS WITH UTILITY COMPANIES AND MECHANICAL CONTRACTOR.

DEMOLITION NOTES:

1. PRIOR TO THE START OF DEMOLITION WORK, CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES HAVING JURISDICTION.
2. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL DEMOLISH AND DISPOSE OF OFF-SITE ALL MATERIALS, STRUCTURES, FENCE, CONCRETE, PAVEMENTS, CURBS AND OTHER MISCELLANEOUS APPURTENANCES WITHIN DISTURBED LIMITS. GENERALLY, DEMOLITION AREAS AND FACILITIES ARE INDICATED WITH BOLD LINES AND/OR SHADED AREAS. DISPOSAL OF SITE MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING FEATURES TO REMAIN OR WHICH LIE ALONG THE PERIMETER OF THE SITE. THESE FEATURES INCLUDE, BUT ARE NOT LIMITED TO: BUILDINGS, PAVEMENTS, FENCES, VEGETATION, UTILITIES, PROPERTY MARKERS, ETC. CONTRACTOR SHALL RESPONSIBLE FOR ANY DAMAGE WHICH OCCURS DURING OR AS A RESULT OF CONSTRUCTION ACTIVITY. REPLACEMENT OF DAMAGED PROPERTY SHALL BE EQUAL TO EXISTING CONDITIONS.
4. CLEAR AND GRUB ALL TREES, BRUSH, STUMPS AND OTHER VEGETATION NECESSARY FOR CONSTRUCTION. ALL CLEARING AND GRUBBING DEBRIS SCHEDULED FOR REMOVAL SHALL BE DISPOSED OF OFF-SITE.
5. TREES AND OTHER PLANT MATERIALS TO REMAIN SHALL BE PROTECTED BY TREE FENCE INSTALLED OUTSIDE THE DRIP LINE. NO CONSTRUCTION EQUIPMENT, MATERIALS OR DEBRIS SHALL BE LOCATED WITHIN TREE PROTECTION BOUNDARIES.
6. DEMOLISH FOUNDATIONS AND OTHER BELOW-GRADE CONSTRUCTION, INCLUDING CONCRETE SLABS, TO A DEPTH OF NOT LESS THAN 48-INCHES BELOW THE LOWEST GRADE/SUBGRADE LEVEL.
7. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS.
8. PROVIDE NEAT, STRAIGHT, VERTICAL SAWCUT AT ALL LOCATIONS WHERE PROPOSED PAVEMENTS, CURBS, ETC. ABUT EXISTING PAVEMENTS, CURBS, ETC. TO REMAIN.
9. UNLESS NOTED OTHERWISE, ALL UNDERGROUND UTILITIES SCHEDULED FOR DEMOLITION SHALL BE COMPLETELY EXCAVATED AND DISPOSED OF OFF-SITE, AND THE TRENCH BACKFILLED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS.
10. UNLESS NOTED OTHERWISE, ALL UTILITIES TO BE REMOVED SHALL BE DISCONNECTED AND CAPPED AT THE NEAREST CONNECTION POINT.
11. DEMOLITION ITEMS INCLUDE, BUT ARE NOT LIMITED TO, REMOVAL ITEMS INDICATED ON THE DEMOLITION PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE OR RELOCATED ITEMS WHICH INTERFERE WITH PROPOSED CONSTRUCTION.
12. CONDUCT DEMOLITION AND CONSTRUCTION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED FACILITIES.
13. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY GOVERNING AUTHORITIES.
14. ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION AND CONSTRUCTION. CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT STRUCTURES AND OTHER FACILITIES AND INJURY TO PERSONS.
15. PROMPTLY REPAIR DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION AND CONSTRUCTION OPERATIONS.
16. NO ON-SITE BURNING IS PERMITTED.
17. THE USE OF ANY TYPE OF EXPLOSIVES SHALL NOT BE PERMITTED.

SITE IMPROVEMENTS NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS THROUGHOUT CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED CONSTRUCTION LINE AND GRADE TO ENSURE ACCURATE LAYOUT OF SITE IMPROVEMENTS.
3. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, EDGE OF SIDEWALK, FACE OF CURB, OR OUTSIDE SURFACE OF FOUNDATION WALL.
4. REFER TO BUILDING PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT DETAILS.
5. FOLLOWING THE COMPLETION OF ALL UNDERGROUND WORK IN PAVED AREAS, AGGREGATE BASE SHALL BE PLACED AND COMPACTED TO THE THICKNESS INDICATED ON THE APPROPRIATE PAVEMENT DESIGN DETAIL. WHEN THICKNESS OF COMPACTED AGGREGATE BASE EXCEEDS 6 INCHES, PLACE MATERIALS IN EQUAL LAYERS, WITH NO LAYER MORE THAN 6 INCHES OR LESS THAN 3 INCHES THICK WHEN COMPACTED. COMPACT WITH A MEDIUM WEIGHT SMOOTH WHEELED ROLLER OR EQUIVALENT. ALONG CURBS, WALLS AND ALL LOCATIONS NOT ACCESSIBLE TO THE ROLLER, COMPACT AGGREGATE BASE WITH HAND OPERATED TAMPERS.
6. ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION AND MATERIAL GUIDELINES OF THE INDOT STANDARD SPECIFICATIONS, LATEST EDITION. SEE CONSTRUCTION DETAILS FOR PAVEMENT DESIGN INFORMATION.
7. THE CONNECTION OF NEW PAVEMENT TO EXISTING PAVEMENT IN THE PARKING LOTS AND DRIVEWAYS SHALL MATCH EXISTING GRADES AND PROFILES. A LAP JOINT IS REQUIRED FOR CONNECTIONS BETWEEN EXISTING AND PROPOSED ASPHALT PAVEMENTS. SEE CONSTRUCTION DETAILS. THE EDGE OF THE EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL LOCATIONS WHERE NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING ASPHALT.
8. UNLESS NOTED OTHERWISE, ALL PAVEMENT STRIPING WITHIN THE PROJECT SITE SHALL BE 4-INCHES WIDE, PAINTED WITH WHITE LATEX, WATERBORNE EMULSION, LEAD AND CHROMATE FREE, READY MIXED, COMPLYING WITH FS TT-P-1952. APPLY PAINT WITH MECHANICAL EQUIPMENT AND/OR STENCILS TO PRODUCE CLEAN, STRAIGHT AND UNIFORM EDGES. APPLY AT MANUFACTURER'S RECOMMENDED RATES TO PRODUCE A MINIMUM 12 TO 15 MILS DRY THICKNESS.
9. PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150. ONLY ONE BRAND AND MANUFACTURER OF APPROVED CEMENT SHALL BE USED FOR ANY ONE STRUCTURE. REGULAR FINE AND COARSE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-33. ALL WATER USED SHALL BE POTABLE, CLEAN AND FREE FROM OILS, ACIDS, ALKALIS, ORGANIC MATERIAL OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR STEEL.
10. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60. WELDED WIRE FABRIC OR WIRE MESH SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185. REINFORCEMENT SHALL BE CUT AND BENT IN ACCORDANCE WITH ACI 315. COMPLY WITH ARSI RECOMMENDED PRACTICE "PLACING REINFORCING BARS" FOR PLACING AND SUPPORTING REINFORCEMENT.
11. ALL CONCRETE USED SHALL BE CLASS A STRUCTURAL CONCRETE WITH A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI, 6-1/2 BAGS, 2 TO 4 INCH SLUMP RANGE, 5% TO 8% AIR CONTENT. CLASS A CONCRETE SHALL BE PROPORTIONED IN ACCORDANCE WITH ACI 211.1. ALL READY MIXED CONCRETE SHALL BE MIXED, DELIVERED, AND PLACED IN ACCORDANCE WITH ASTM C-94.
12. FORMS SHALL BE CONSTRUCTED OF WOOD, PLYWOOD, STEEL, OR OTHER APPROVED MATERIALS AND SHALL BE MORTAR TIGHT. THE FORMS AND ASSOCIATED FALSE WORK SHALL BE SUBSTANTIAL AND UNYIELDING AND SHALL BE CONSTRUCTED SO THAT THE FINISHED CONCRETE WILL CONFORM TO THE DIMENSIONS AND CONTOURS SHOWN ON THE DRAWINGS. FORM SURFACES SHALL BE SMOOTH AND FREE FROM HOLES, DENTS, SAGS, AND OTHER IRREGULARITIES. THE FORMS SHALL BE COATED WITH A NON-STAINING OIL BEFORE CONCRETE IS POURED. REMOVE FORMS A MINIMUM OF 24 HOURS AFTER PLACING CONCRETE.
13. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304. FORMED CONCRETE SHALL BE UNIFORMLY CONSOLIDATED USING A MECHANICAL VIBRATOR. COMPLY WITH THE RECOMMENDATIONS OF ACI 306R FOR COLD WEATHER PLACEMENT AND ACI 305R FOR HOT WEATHER PLACEMENT. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND TO ENSURE PROPER MOISTURE CONTROL DURING CURING.
14. CONCRETE SAW CUTTING SHALL BE DONE AS SOON AS POURED CONCRETE HAS CURED AND CAN SUPPORT WEIGHT. PROVIDE A NEAT, STRAIGHT CUT WHICH IS TRUE IN ALIGNMENT. ALL JOINTS ARE TO CONTINUE FROM PROPOSED SIDEWALK OR CONCRETE PAVEMENT THROUGH THE CURB.
15. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH THE APPROPRIATE SEALANT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
16. ALL SIDEWALKS SHALL COMPLY WITH AMERICAN WITH DISABILITIES ACT (ADA) STANDARDS. MAXIMUM CROSS SLOPE SHALL BE 1:50 AND MAXIMUM LONGITUDINAL SLOPE SHALL BE 1:20.

EARTHWORK NOTES:

1. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING INVESTIGATION REPORT BY ATLAS TECHNICAL CONSULTANTS, LLC. DATED JUNE 27, 2025 FOR INFORMATION ABOUT THE SOIL CONDITIONS.
2. EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH INDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY ENGINEER AND THE OWNER AT LEAST 48 HOURS BEFORE STARTING EARTHWORK OPERATIONS.
3. THE CONTRACTOR SHALL EMPLOY A QUALIFIED GEOTECHNICAL ENGINEER FOR THIS PROJECT. THE GEOTECHNICAL ENGINEER SHALL INSPECT SOIL CONDITIONS, PROOF-ROLLING, AND FIELD DENSITY OF COMPACTED FILLS. ALL SUBGRADES AND FILLS SHALL MEET OR EXCEED THE COMPACTION REQUIREMENTS SPECIFIED BELOW. BASED UPON REPORTS FROM THE GEOTECHNICAL ENGINEER, SUBGRADES OR FILLS WHICH ARE BELOW SPECIFIED DENSITIES REQUIRE ADDITIONAL COMPACTION WORK AND TESTING AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE DURING FINISH GRADING AND LANDSCAPE WORK. STRIPPED TOPSOILS SHALL BE STOCKPILED AS SHOWN IN STORMWATER POLLUTION PREVENTION PLAN. TOPSOIL IS DEFINED AS FERTILE, FRIABLE NATURAL LOAM SURFACE SOILS, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, AND OTHER LITTER OR STONES LARGER THAN 1/2 INCH. LOOSE DEBRIS, TOPSOILS AND UNSUITABLE SUBSOILS SHALL BE STRIPPED FROM AREAS OF THE SITE THAT ARE TO BE DEVELOPED. THE DEPTH OF STRIPPING OF SURFACE SOILS MAY VARY BY LOCATION WITHIN THE SITE. THE ENGINEER SHALL DESIGNATE ON-SITE LOCATIONS TO STORE OR DEPOSIT STRIPPED SOILS. CONTRACTOR SHALL REMOVE TOPSOILS AND UNSUITABLE SUBSOILS FROM ALL AREAS TO BE OCCUPIED BY BUILDINGS AND PAVEMENTS. IN ADDITION, ANY AREAS TO BE UTILIZED AS BORROW AREAS FOR FILL MATERIAL MUST ALSO BE STRIPPED OF TOPSOILS. IF THE AMOUNT OF STOCKPILED TOPSOIL EXCEEDS QUANTITY REQUIRED, THE EXCESS SHALL BE SPREAD ON THE SITE WHERE DIRECTED BY THE ENGINEER OR DISPOSED OF OFFSITE.
5. ALL COMPACTED FILL AND BACKFILL MATERIAL SHALL BE SATISFACTORY MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER. ALL FILL MATERIAL SHALL CONTAIN LESS THAN 5-PERCENT ORGANIC MATERIAL BY WEIGHT, LARGE ROCK GREATER THAN 3-INCHES, RUBBISH, OR OTHER UNSUITABLE MATERIAL. SAMPLES OF THE FILL MATERIALS SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO PLACEMENT. ALL FILL EMBANKMENTS AND UNDER BUILDING PAVED AREAS, SIDEWALKS, AND PADS SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY AND SHALL BE WITHIN 2% BELOW OR 1% ABOVE THE OF OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM DENSITY TEST D-698. THE AREA OF COMPACTED FILL FOR THE BUILDING SHALL EXTEND AT LEAST 5-FEET BEYOND THE FOUNDATION WALLS. ALL FILLS OUTSIDE OF PAVEMENT, SIDEWALK OR BUILDING SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM DENSITY TEST D-698. FILL MATERIALS SHALL BE PLACED IN LIFTS NOT TO EXCEED 8-INCHES IN LOOSE THICKNESS AND SHOULD BE SPRINKLED WITH WATER AS REQUIRED TO ENSURE COMPACTION SPECIFICATIONS DETAILED ABOVE ARE MET. EXCESSIVELY WET MATERIAL SHALL BE SPREAD AND DRIED SUFFICIENTLY SO THAT THE MOISTURE CONTENT WILL PERMIT PROPER COMPACTION. EACH LAYER SHALL BE UNIFORMLY COMPACTED USING A VIBRATORY COMPACTOR OR OTHER APPROVED EQUIPMENT SUITED TO THE LOCATION AND MATERIAL BEING PLACED. LIFTS SHALL NOT EXCEED 4-INCHES IN LOOSE THICKNESS FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.
6. IN-PLACE DENSITY TESTS SHALL BE PERFORMED THROUGHOUT THE BUILDING FILL EMBANKMENTS. AT EACH COMPACTED FILL AND BACKFILL LIFT, ONE (1) DENSITY TEST SHALL BE PERFORMED FOR EVERY 5000 SQ. FT OF FILL PLACED, BUT IN NO CASE FEWER THAN TWO (2) TESTS PER LIFT. AREAS WHERE RESULTS OF THE IN-PLACE DENSITY TESTS INDICATE COMPACTION SPECIFICATIONS ARE NOT OBTAINED SHALL BE REWORKED UNTIL COMPACTION CRITERIA IS ACHIEVED. APPROVED COMPACTED SUBGRADE DISTURBED BY CONTRACTOR'S SUBSEQUENT ACTIVITY OR ADVERSE WEATHER CONDITIONS SHALL BE SCARIFIED AND RECOMPACTED AS SPECIFIED ABOVE PRIOR TO CONTINUATION OF CONSTRUCTION. THE GEOTECHNICAL ENGINEER SHALL ISSUE A REPORT DOCUMENTING THE SUFFICIENCY OF THE FINAL COMPACTED FILL TO ENGINEER.
7. UPON REACHING SUBGRADE ELEVATION IN AREAS THAT HAVE BEEN FILLED AND COMPACTED, OR IN AREAS WHERE THE PAVEMENT SUBGRADE ELEVATIONS ARE ACHIEVED WITHOUT FILL OPERATIONS, CONTRACTOR SHALL PROOF-ROLL SUBGRADE WITH A FULLY LOADED TRI-AXLE DUMP TRUCK, MEDIUM WEIGHT ROLLER OR OTHER APPROVED EQUIPMENT, TO DETERMINE IF ANY POCKETS OF SOFT, UNSUITABLE MATERIALS ARE PRESENT. POCKETS OF UNSUITABLE MATERIALS SHALL BE REMOVED AND REPLACED WITH SUBGRADE REINFORCEMENT OR COMPACTED GRANULAR FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER SHALL BE PRESENT DURING PROOF-ROLLING OPERATIONS AND SHALL SUBMIT A REPORT OF ACCEPTANCE TO ENGINEER.
8. EXCAVATE FOR STRUCTURES TO WITHIN 0.1 FOOT OF THE DESIGN ELEVATIONS AND DIMENSIONS. EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONCRETE FORMS. DO NOT DISTURB THE BOTTOM OF THE EXCAVATION INTENDED FOR BEARING SURFACE. EXCAVATE BY HAND TO FINAL GRADE BEFORE PLACING CONCRETE FORMS AND REINFORCEMENT SO FOOTINGS AND FOUNDATIONS BEAR ON UNDISTURBED COMPACTED SOILS.
9. BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF AND SHALL BE COMPACTED ACCORDING TO THE EARTHWORK SPECIFICATIONS. WHERE BACKFILLING IS REQUIRED ON BOTH SIDES OF A FOUNDATION WALL, THE BACKFILL MATERIAL SHALL BE PLACED EQUALLY ON BOTH SIDES TO AVOID UNBALANCED SOIL PRESSURE ON ONE SIDE OF THE WALL.
10. TRENCHES UNDER PAVED AREAS SHALL BE BACKFILLED AND COMPACTED WITH APPROVED GRANULAR MATERIAL PER CONSTRUCTION DETAILS. GRANULAR MATERIAL SHALL EXTEND 5 FEET BEYOND THE PAVEMENT WITH A 1:1 SLOPE OUTWARD TO THE BOTTOM OF THE TRENCH.
11. DUE TO SITE CONSTRAINTS, THE EARTHWORK FOR THE SITE AS DESIGNED MAY OR MAY NOT BE BALANCED. CONTRACTOR SHALL REVIEW THE EXISTING SITE CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS, INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.

GRADING NOTES:

1. CONTRACTOR SHALL TAKE PARTICULAR CARE WHEN GRADING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48-HOURS BEFORE SITE GRADING IS TO START TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH), SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN GRADING OPERATIONS MAY IMPACT EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING GRADING.
3. CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE.
4. AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL SHALL BE PERFORMED BY A LOADED TANDEM PNEUMATIC TIRE DUMP TRUCK MINIMUM GROSS VEHICLE WEIGHT OF 22 TONS. THE TIRES SHALL BE OPERATED AT INFLATION PRESSURES BETWEEN 70-80 PSI UNLESS OTHERWISE NOTED BY THE GOETECHNICAL ENGINEER. THE TIRES SHALL BE INFLATED WITH AIR ONLY, NO LIQUID SHALL BE USED. THE PROOFROLL SHALL BE COMPLETED UNDER INSPECTION OF SOILS FIRM TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUBDRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
5. FOLLOWING THE COMPLETION OF SITE GRADING AND SUBSURFACE UTILITY INSTALLATION, TOPSOIL SHALL BE PLACED IN AREAS DESIGNATED FOR SEEDING, SODDING, OR LANDSCAPING TO A MINIMUM DEPTH OF 6 INCHES. THE FINISHED SURFACE SHALL BE UNIFORMLY AND SMOOTHLY GRADED AND SHALL BE FREE OF DEPRESSED AREAS WHERE WATER WILL POND. LIGHTLY COMPACT TOPSOIL AFTER PLACEMENT. THE FINISHED SURFACE GRADES SHALL NOT BE MORE THAN 0.1 FOOT ABOVE OR BELOW THE GRADES INDICATED ON THE PLANS. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING GRADES AND ADJACENT FILL EMBANKMENTS.
6. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. UPON REACHING FINAL GRADE, CONTRACTOR SHALL CORRECT ANY, STANDING WATER CONDITIONS.
7. ALL PROPOSED SPOT ELEVATIONS OR CONTOURS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
8. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
9. CONTRACTOR SHALL PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR SHALL NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

WATER SYSTEM NOTES:

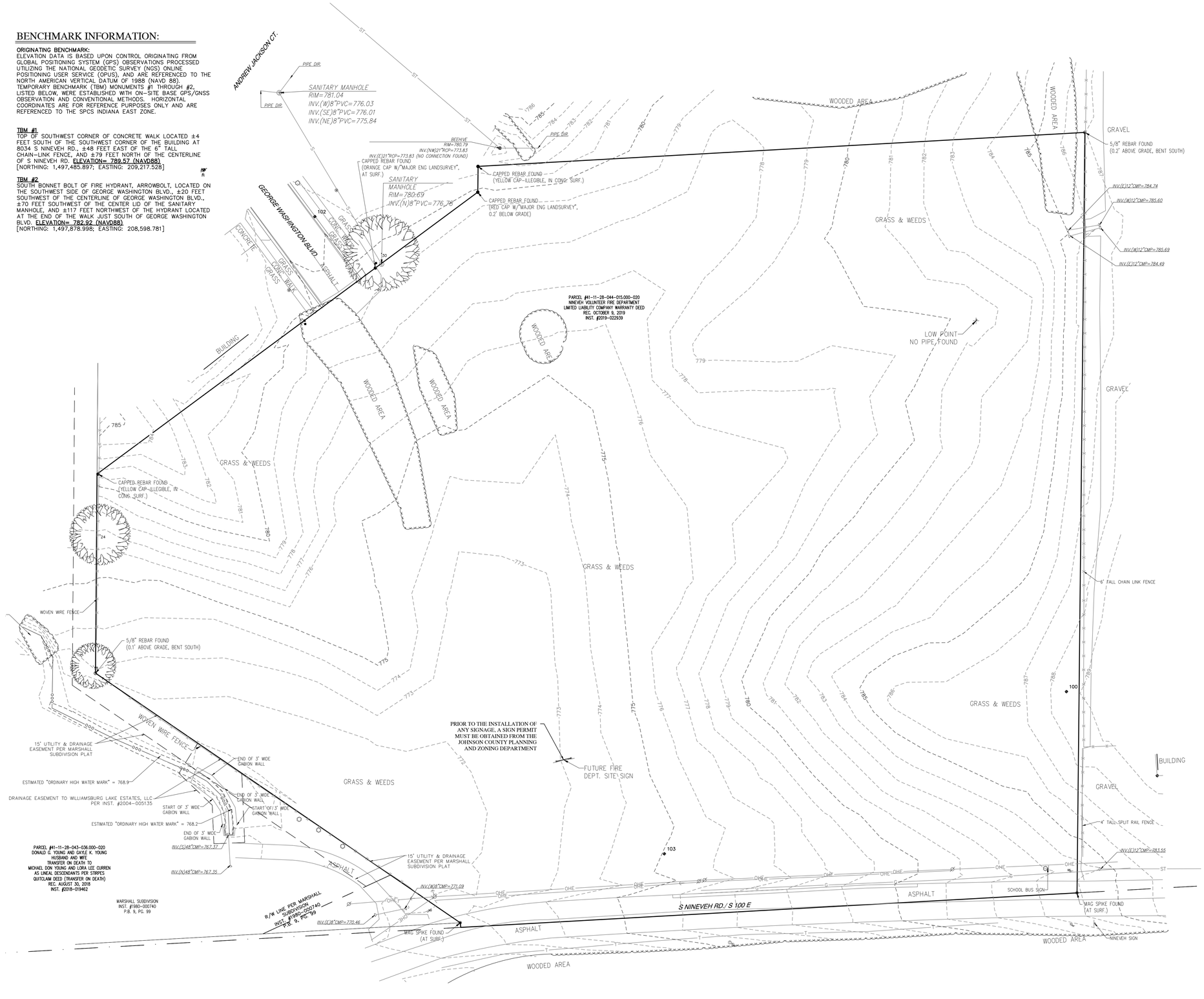
1. ALL WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH WATER MAIN SPECIFICATIONS OR PRINCE'S LAKE UTILITIES TYPICAL CONSTRUCTION STANDARDS, SPECIFICATIONS AND DETAILS. AND SHALL MEET THE MINIMUM REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
2. THE CONTRACTOR SHALL FURNISH, INSTALL AND TEST ALL GATE VALVES. VALVES SHALL BE INSTALLED WITH VALVE BOX ALIGNERS (POSI-CAPS) AND MUST BE CENTERED PRIOR TO ACCEPTANCE. VALVE OPENING DIRECTION SHALL BE RIGHT-HAND OPEN/COUNTERCLOCKWISE.
3. WATER MAINS AND SERVICE LINES SHALL HAVE A MINIMUM OF 4'6" OF COVER OVER TOP OF THE PIPE. A MINIMUM OF 18-INCH VERTICAL SEPARATION AND 10'-0" HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN THE OUTSIDE WALLS OF WATER MAINS AND SEWERS (SANITARY AND STORM).
4. CONTRACTOR SHALL PERFORM ALL OF THE WORK ASSOCIATED WITH CONNECTIONS TO THE EXISTING FACILITIES. THE CONTRACTOR SHALL COORDINATE THE CLOSURE OF VALVES, INSPECTION, AND ALL SERVICE SHUT-OFFS WITH LOCAL UTILITY COMPANY.
5. THE COMPLETED WATER LINE SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH WATER MAIN S

BENCHMARK INFORMATION:

ORIGINATING BENCHMARK:
ELEVATION DATA IS BASED UPON CONTROL ORIGINATING FROM GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS PROCESSED UTILIZING THE NATIONAL GEODETIC SURVEY (NGS) ONLINE POSITIONING USER SERVICE (OPUS), AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TEMPORARY BENCHMARK (TBM) MONUMENTS #1 THROUGH #2, LISTED BELOW, WERE ESTABLISHED WITH ON-SITE BASE GPS/GNSS OBSERVATION AND CONVENTIONAL METHODS. HORIZONTAL COORDINATES ARE FOR REFERENCE PURPOSES ONLY AND ARE REFERENCED TO THE SPCS INDIANA EAST ZONE.

TBM #1
TOP OF SOUTHWEST CORNER OF CONCRETE WALK LOCATED ±4 FEET SOUTH OF THE SOUTHWEST CORNER OF THE BUILDING AT 8034 S NINEVEH RD., ±48 FEET EAST OF THE 6' TALL CHAIN-LINK FENCE, AND ±79 FEET NORTH OF THE CENTERLINE OF S NINEVEH RD. **ELEVATION= 789.57 (NAVD88)**
[NORTHING: 1,497,485.897; EASTING: 209,217.528]

TBM #2
SOUTH BONNET BOLT OF FIRE HYDRANT, ARROWBOLT, LOCATED ON THE SOUTHWEST SIDE OF GEORGE WASHINGTON BLVD., ±20 FEET SOUTHWEST OF THE CENTERLINE OF GEORGE WASHINGTON BLVD., ±70 FEET SOUTHWEST OF THE CENTER LID OF THE SANITARY MANHOLE, AND ±117 FEET NORTHWEST OF THE HYDRANT LOCATED AT THE END OF THE WALK JUST SOUTH OF GEORGE WASHINGTON BLVD. **ELEVATION= 782.92 (NAVD88)**
[NORTHING: 1,497,878.998; EASTING: 208,598.781]



Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

EXISTING LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET.

- MONUMENT – BENCHMARK
- MONUMENT – CAPPED REBAR
- MONUMENT – CENTERLINE MON.
- MONUMENT – CONCRETE MON./POST
- MONUMENT – CUT X
- MONUMENT – MAG NAIL/PK NAIL
- MONUMENT – REBAR/PIN/PIPE (NO CAP)
- MONUMENT – SECTION CORNER
- SITE – A/C UNIT
- SITE – ANTENNA
- SITE – BOLLARD
- SITE – FENCE POST
- SITE – FLAG POLE
- SITE – MAILBOX
- SITE – MISC. OBJECT (SEE LABEL)
- SITE – PARKING METER
- SITE – RAILROAD SIGNAL/GATE
- SITE – SATELLITE DISH
- SITE – SIGN
- SITE – SOIL BORING
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- TREE – MULTI-TRUNK
- SHRUB
- GUARDRAIL
- E — ELECTRIC (UNDERGROUND)
- T — TELEPHONE (UNDERGROUND)
- W — WATERLINE (UNDERGROUND)
- FO — FIBER OPTIC (UNDERGROUND)
- G — GAS (UNDERGROUND)
- ST — STORM SEWER
- S — SANITARY SEWER
- OHE — OVERHEAD UTILITY (ELECTRIC/FIBER)
- FLOWLINE
- POST, FENCE POST
- CABLE PEDESTAL
- CABLE MARKER POST
- ELECTRIC ACCESS COVER
- ELECTRIC MANHOLE
- ELECTRIC MARKER POST
- ELECTRIC METER
- ELECTRIC PANEL/PEDESTAL
- ELECTRIC TRANSFORMER
- FIBER OPTIC ACCESS/MANHOLE
- FIBER OPTIC MARKER POST
- GAS ACCESS/MANHOLE
- GAS MARKER POST
- GAS METER
- GAS VALVE
- LIGHT POLE/AREA LIGHT
- SANITARY MANHOLE
- SEWER CLEANOUT
- STORM INLET – BEEHIVE/ROUND
- STORM INLET – CURB/SQUARE
- STORM MANHOLE
- STORM PIPE END SECTION
- TELEPHONE MANHOLE
- TELEPHONE MARKER POST
- TELEPHONE PANEL/PEDESTAL
- TRAFFIC CONTROL BOX
- TRAFFIC MANHOLE
- TRAFFIC SIGNAL POLE
- UTILITY POLE
- UTILITY POLE GUY ANCHOR
- RISER POLE
- WATER HYDRANT
- WATER IRRIGATION VALVE
- WATER MANHOLE/VAULT
- WATER MARKER POST
- WATER METER
- WATER POST INDICATOR VALVE
- WATER VALVE
- WATER WELL/MONITORING WELL
- (D) DEED BEARING/DISTANCE
- (M) MEASURED BEARING/DISTANCE
- FLOOD ZONE AE FLOODWAY
- FLOOD ZONE AE
- BFE BASE FLOOD ELEVATION

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

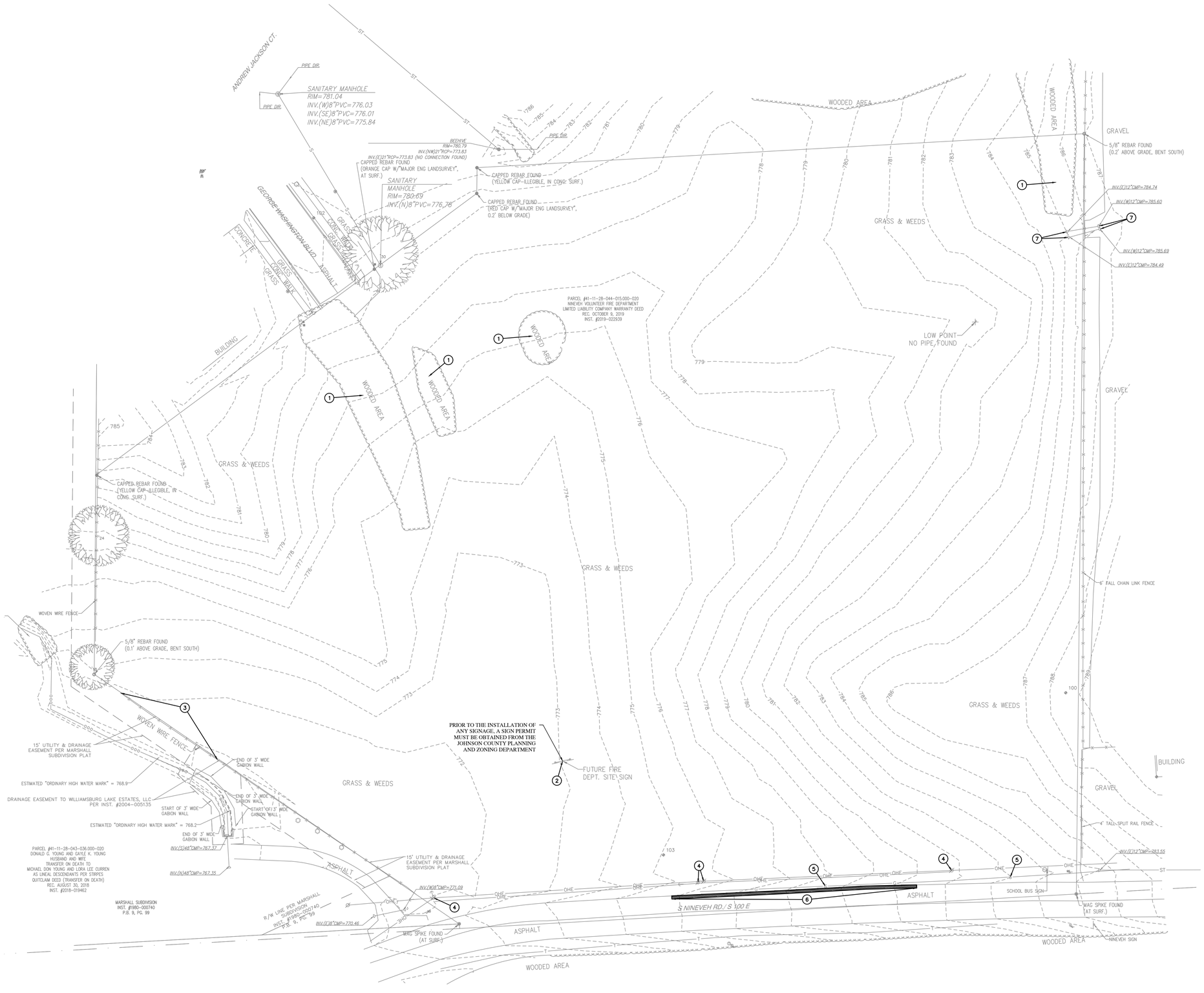
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
EXISTING CONDITIONS

ALEXANDER R. K. McDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY	JOB NUMBER 2501-735-A
MJ	
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	
SHEET	
C0.10	
EXISTING CONDITIONS	

© 2026

Plot Date: May 13, 2026 Plot Time: 3:54pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Existing Conditions.dwg, Layout: C0.10 EXISTING CONDITIONS By: amcdaniel



Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

EXISTING LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET.

- MONUMENT – BENCHMARK
- MONUMENT – CAPPED REBAR
- MONUMENT – CONCRETE MON./POST
- MONUMENT – REBAR/PIN/PIPE (NO CAP)
- MONUMENT – SECTION CORNER
- SITE – A/C UNIT
- SITE – BOLLARD
- SITE – FENCE POST
- SITE – FLAG POLE
- MB SITE – MAILBOX
- SITE – SIGN
- SITE – SOIL BORING
- TREE – CONIFEROUS
- TREE – DECIDUOUS
- TREE – MULTI-TRUNK
- SHRUB
- GUARDRAIL
- E ELECTRIC (UNDERGROUND)
- T TELEPHONE (UNDERGROUND)
- W WATERLINE (UNDERGROUND)
- FO FIBER OPTIC (UNDERGROUND)
- G GAS (UNDERGROUND)
- ST STORM SEWER
- S SANITARY SEWER
- OHE OVERHEAD UTILITY (ELECTRIC/FIBER)
- FLOWLINE
- TRANS ELECTRIC TRANSFORMER
- FO FIBER OPTIC ACCESS/MANHOLE
- GAS VALVE
- LIGHT POLE/AREA LIGHT
- S SANITARY MANHOLE
- SEWER CLEANOUT
- STORM INLET – BEEHIVE/ROUND
- STORM INLET – CURB/SQUARE
- ST STORM MANHOLE
- STORM PIPE END SECTION
- TELEPHONE PANEL/PEDESTAL
- TRAFFIC SIGNAL POLE
- UTILITY POLE
- UTILITY POLE GUY ANCHOR
- R RISER POLE
- WATER HYDRANT
- W WATER METER
- WATER VALVE
- (D) DEED BEARING/DISTANCE
- (M) MEASURED BEARING/DISTANCE

DEMOLITION KEYNOTES:

ALL ITEMS SHALL BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE.

1. CONTRACTOR TO REMOVE WOODED AREAS.
2. CONTRACTOR TO REMOVE SIGN.
3. CONTRACTOR TO REMOVE EXISTING FENCE UP TO NEAREST POST AND REPLACE FENCE AS NEEDED.
4. OVERHEAD ELECTRIC LINE AND POLES TO BE PROTECTED DURING CONSTRUCTION ACTIVITIES.
5. EXISTING GAS LINE TO BE PROTECTED DURING CONSTRUCTION ACTIVITIES.
6. SAWCUT AND FULL DEPTH REMOVAL OF EXISTING ASPHALT.
7. EXISTING CULVERTS TO BE PROTECTED DURING CONSTRUCTION ACTIVITIES.
8. THE BURNING OF ANY CONSTRUCTION MATERIALS IS PROHIBITED BY STATE LAW

DEMOLITION PAVEMENT HATCH:

NOTE: NOT ALL LEGEND ITEMS MAY BE REPRESENTED ON PLAN SHEET.

REMOVE (FULL DEPTH) ASPHALT PAVEMENT

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
DEMOLITION PLAN

ALEXANDER K. McDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY	JOB NUMBER
MJ	2501-735-A
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	

SHEET

C0.20

DEMOLITION PLAN

© 2026

Plot Date: May 13, 2026 Plot Time: 3:55pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Demolition Plan.dwg Layout: C0.20 DEMO PLAN By: amcdaniel

PARKING ANALYSIS:

REQUIREMENT:
1 SPACE PER 300 SQUARE FEET (EXCLUDING VEHICLE BAYS) PLUS A SPACE PER VEHICLE STORED ONSITE PLUS 1 SPACE PER EMPLOYEE ON THE LARGEST SHIFT.

BUILDING SQUARE FOOTAGE (EXCLUDING VEHICLE BAYS): 4,005 SQUARE FEET

NUMBER OF VEHICLES STORED ONSITE: 0

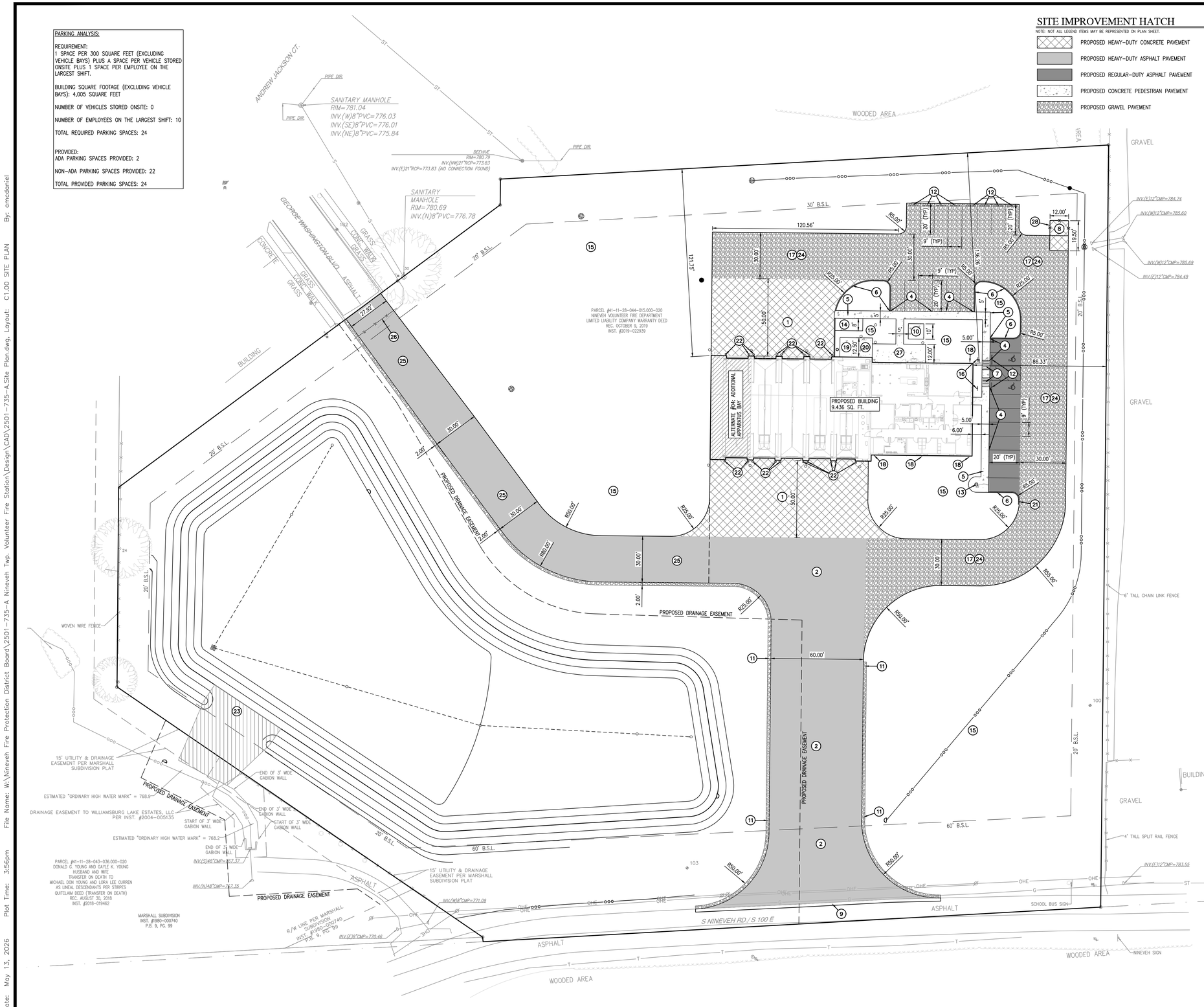
NUMBER OF EMPLOYEES ON THE LARGEST SHIFT: 10

TOTAL REQUIRED PARKING SPACES: 24

PROVIDED:
ADA PARKING SPACES PROVIDED: 2

NON-ADA PARKING SPACES PROVIDED: 22

TOTAL PROVIDED PARKING SPACES: 24



SITE IMPROVEMENT HATCH

NOTE: NOT ALL LEGEND ITEMS MAY BE REPRESENTED ON PLAN SHEET.

- PROPOSED HEAVY-DUTY CONCRETE PAVEMENT
- PROPOSED HEAVY-DUTY ASPHALT PAVEMENT
- PROPOSED REGULAR-DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE PEDESTRIAN PAVEMENT
- PROPOSED GRAVEL PAVEMENT

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE

0' 30' 60' 90'

(IN FEET)

STANDARD LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET. SEE EXISTING CONDITIONS PLAN FOR EXISTING ITEMS LEGEND.

RIGHT-OF-WAY LINE	
EASEMENT LINE	
SETBACK LINE	
CENTERLINE	
CONTOUR, MAJOR	800
CONTOUR, MINOR	799
SUBSURFACE DRAIN	
SWALE / FLOWLINE	
TREE LINE	
DATA LINE	D
ELECTRICAL LINE	E
GAS MAIN	G
WATER MAIN	W
FORCE MAIN	FM
SANITARY SEWER	S
SANITARY MANHOLE	XXX
CLEANOUT	
STORM SEWER	ST
STORM CULVERT	D ST C
STORM MANHOLE	XXX
STORM INLET	XXX
STORM END SECTION	XXX
FIRE HYDRANT	OR (CITIZENS)
FIRE HYDRANT / VALVE	OR (CITIZENS)
WATER VALVE	OR (CITIZENS)
UTILITY POLE	
VAULT	V
DATA MANHOLE	D
LIGHT	
SIGN	

SITE IMPROVEMENT KEYNOTES: (#)

1. HEAVY-DUTY CONCRETE PAVEMENT (8" CONCRETE ON 8" OF STONE)
2. HEAVY-DUTY ASPHALT PAVEMENT (2" SURFACE ON 4" INTERMEDIATE ON 6" OF STONE)
3. REGULAR-DUTY ASPHALT PAVEMENT (1.5" SURFACE ON 3" INTERMEDIATE ON 6" OF STONE)
4. INTEGRAL CONCRETE CURB AND SIDEWALK (4" CONCRETE ON 4" OF STONE)
5. CONCRETE SIDEWALK (4" CONCRETE ON 4" OF STONE)
6. 6-INCH CONCRETE CURB
7. ADA RAMP
8. DUMPSTER PAD (8" CONCRETE ON 8" OF STONE)
9. PROPOSED RIGHT-OF-WAY ASPHALT. CONTRACTOR TO MATCH EXISTING ASPHALT CROSS SECTION AND DEPTH
10. PROPOSED 10'X10' TRANSFORMER PAD LOCATION (REFER TO DUKE ENERGY'S DETAILS AND SPECIFICATION FOR ADDITIONAL PAD INSTALLATION INFORMATION)
11. 2' GRAVEL SHOULDER (4" NO. 53 STONE)
12. CONCRETE PARKING BUMPER
13. FLAGPOLE
14. PROPOSED GENERATOR/FUELING STATION PAD LOCATION (REFER TO ELECTRICAL PLANS FOR PAD DETAILS AND SPECIFICATIONS)
15. GRASS/LAWN/LANDSCAPING
16. ADA PARKING SIGN
17. GRAVEL PAVEMENT (8" OF NO. 53 STONE, ON 4" OF NO. 2 STONE)
18. DOWNSPOUT SPLASH GUARD
19. PROPOSED DOAS UNIT LOCATION (REFER TO MEP PLANS FOR DOAS UNIT AND PAD DETAILS AND SPECIFICATIONS)
20. PROPOSED CONDENSING UNIT LOCATION (REFER TO MEP PLANS FOR CONDENSING UNIT AND PAD DETAILS AND SPECIFICATIONS)
21. CURB TAPER
22. PIPE BOLLARD
23. ARMORED MATTING
24. ALTERNATE #01: ALTERNATE PARKING AND DRIVE PAVEMENT, HEAVY DUTY ASPHALT PAVEMENT (2" SURFACE, ON 4" INTERMEDIATE, ON 8" OF STONE)
25. ALTERNATE #02: ACCESS DRIVE TO NEIGHBORHOOD, HEAVY DUTY ASPHALT PAVEMENT (2" SURFACE, ON 4" INTERMEDIATE, ON 8" OF STONE)
26. ALTERNATE #03: 32' WIDE AUTOMATIC SLIDING GATE
27. CONCRETE PATIO. CONCRETE FOR PATIO AREA TO BE DYED AND STAMPED. CONTRACTOR TO UTILIZE DYE FROM SCOFIELD OR APPROVED EQUIVALENT, COLOR TO BE DETERMINED. CONTRACTOR TO SUBMIT PRODUCT LITERATURE AND COLOR CHIP FOR FINAL COLOR SELECTION. DYE TO BE INSTALLED/MIXED PER MANUFACTURER'S RECOMMENDATION. CONTRACTOR TO UTILIZE STAMP PATTERN FROM BRICKFORM OR APPROVED EQUIVALENT, PATTERN TO BE DETERMINED. CONCRETE STAMPING TO BE PERFORMED PER MANUFACTURER'S GUIDELINES.
28. DUMPSTER ENCLOSURE (REFER TO ARCHITECTURAL SITE PLAN FOR DUMPSTER ENCLOSURE DETAILS AND SPECIFICATIONS)

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA

SITE PLAN

ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY	JOB NUMBER 2501-735-A
BP	
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	

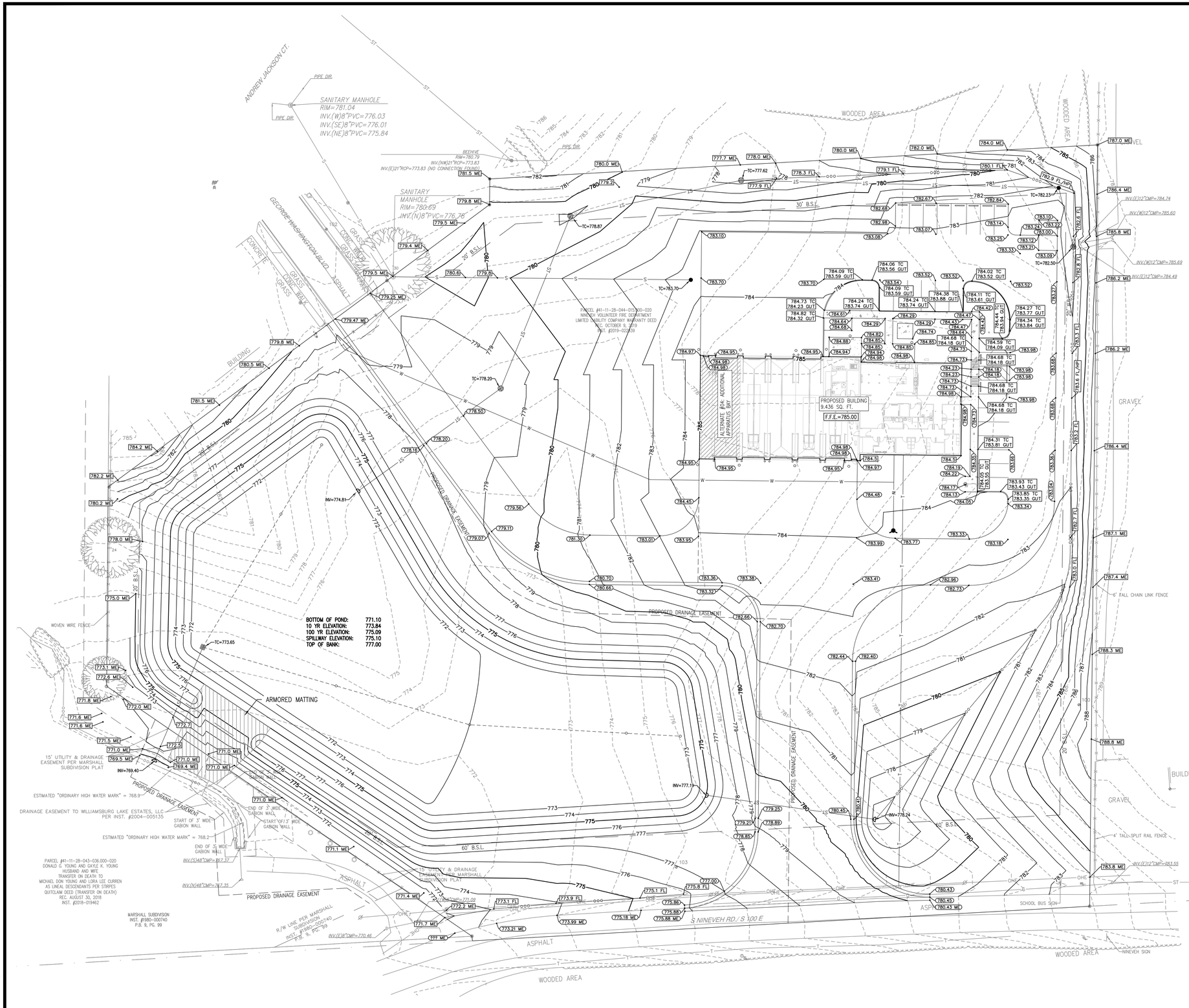
SHEET

C1.00

SITE PLAN

© 2026

Plot Date: May 13, 2026 Plot Time: 3:56pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Site Plan.dwg, Layout: C1.00 SITE PLAN By: amcdaniel



Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

STANDARD LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET. SEE EXISTING CONDITIONS PLAN FOR EXISTING ITEMS LEGEND.

- RIGHT-OF-WAY LINE
- EASEMENT LINE
- SETBACK LINE
- CENTERLINE
- CONTOUR, MAJOR (800)
- CONTOUR, MINOR (799)
- SUBSURFACE DRAIN
- SWALE / FLOWLINE
- TREE LINE
- DATA LINE (D)
- ELECTRICAL LINE (E)
- GAS MAIN (G)
- WATER MAIN (W)
- FORCE MAIN (FM)
- SANITARY SEWER (S)
- SANITARY MANHOLE (XXX)
- CLEANOUT
- STORM SEWER (ST)
- STORM CULVERT (ST)
- STORM MANHOLE (XXX)
- STORM INLET (XXX)
- STORM END SECTION (XXX)
- FIRE HYDRANT OR (OTOZENS)
- FIRE HYDRANT / VALVE OR (OTOZENS)
- WATER VALVE OR (OTOZENS)
- UTILITY POLE
- VAULT (V)
- DATA MANHOLE (D)
- LIGHT
- SIGN

GRADING & DRAINAGE LEGEND:

NOTE: NOT ALL GRADING LEGEND ITEMS REPRESENTED ON PLAN SHEET.

SPOT ELEVATION	XXX.X
PAVEMENT ELEVATION	XXX.XX
TOP OF CURB GUTTER	XXX.XX TC XXX.XX GUT
FLOW LINE	FL
HIGH POINT	HP
MATCH EXISTING	ME
TOP OF CASTING GRADE TOP OF CURB	TC
FINISHED FLOOR ELEVATION	FFE
MINIMUM FLOOD PROTECTION GRADE	MFPG

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
GRADING & DRAINAGE PLAN

ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY MJ	JOB NUMBER 2501-735-A
CHECKED BY AM	
DATE MAY 14, 2026	
SCALE AS SHOWN	

SHEET
C1.10
GRADING & DRAINAGE PLAN

© 2026

Plot Date: May 13, 2026 Plot Time: 3:57pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Grading & Drainage Plan.dwg, Layout: C1.10 GRADING & DRAINAGE PLAN By: amcdaniel

WATER SERVICE KEYNOTES: (W#)

W1. PROPOSED 3-INCH DOMESTIC SERVICE LINE CONNECTION TO BUILDING, SEE PLUMBING PLAN FOR CONTINUATION.

W2. PROPOSED 3-INCH DOMESTIC SERVICE LINE

W3. PROPOSED 6-INCH COMBINED WATER SERVICE LINE.

W4. PROPOSED 6" X 6" TEE.

W5. PROPOSED 6" X 3" REDCUCER.

W6. PROPOSED FIRE HYDRANT.

W7. PROPOSED WATER METER.

W8. CONNECT TO EXISTING 6-INCH WATER MAIN.

W9. PROPOSED 6" 22.5° BEND.

W10. PROPOSED GATE VALVE.

DRAINAGE KEYNOTES: (D#)

D1. PROPOSED OUTLET CONTROL STRUCTURE.

D2. PROPOSED STORM SEWER INLET/MANHOLE, SEE STORM PLAN & PROFILE FOR ADDITIONAL INFORMATION.

D3. PROPOSED STORM SEWER PIPE, SEE STORM PLAN & PROFILE FOR ADDITIONAL INFORMATION.

D4. PROPOSED CONCRETE END SECTION, SEE STORM PLAN & PROFILE FOR ADDITIONAL INFORMATION.

D5. PROPOSED 6-INCH HDPE ROOF DRAIN.

D6. PROPOSED STORM CLEANOUT.

D7. PROPOSED 6-INCH SLOTTED SUBSURFACE DRAIN.

D8. CONNECT DOWNSPOUT TO PROPOSED ROOF DRAIN.

ELECTRICAL KEYNOTES: (E#)

E1. CONNECT TO PROPOSED BUILDING, SEE ELECTRICAL PLAN FOR CONTINUATION.

E2. PROPOSED TRANSFORMER LOCATION.

E3. PROPOSED GENERATOR AND FUEL STATION LOCATION, SEE ELECTRICAL PLAN FOR DETAILS.

E4. PROPOSED ELECTRIC SERVICE LINE, SEE ELECTRICAL SITE PLAN FOR SIZE AND LOCATION OF CONDUIT.

E5. CONNECT TO EXISTING ELECTRIC SERVICE.

TELEPHONE KEYNOTES: (T#)

T1. CONNECT TO PROPOSED BUILD, SEE ELECTRICAL PLANS FOR CONTINUATION.

T2. PROPOSED TELECOMMUNICATION LINE, SEE ELECTRICAL SITE PLAN FOR SIZE AND LOCATION OF CONDUIT AND HANDHOLES.

SANITARY SEWER KEYNOTES: (S#)

S1. CONNECT TO PROPOSED BUILDING, SEE PLUMBING PLAN FOR CONTINUATION.

S2. 6-INCH PVC SDR 35 @ 1.04% MINIMUM SLOPE.

S3. PROPOSED SANITARY CLEANOUT.

S4. PROPOSED SANITARY MANHOLE.

S5. CONNECT TO EXISTING GRAVITY SANITARY SEWER MANHOLE. CORE AND REPAIR MANHOLE AS NEEDED.

S6. 8-INCH PVC SDR 35 @ 0.40% MINIMUM SLOPE.

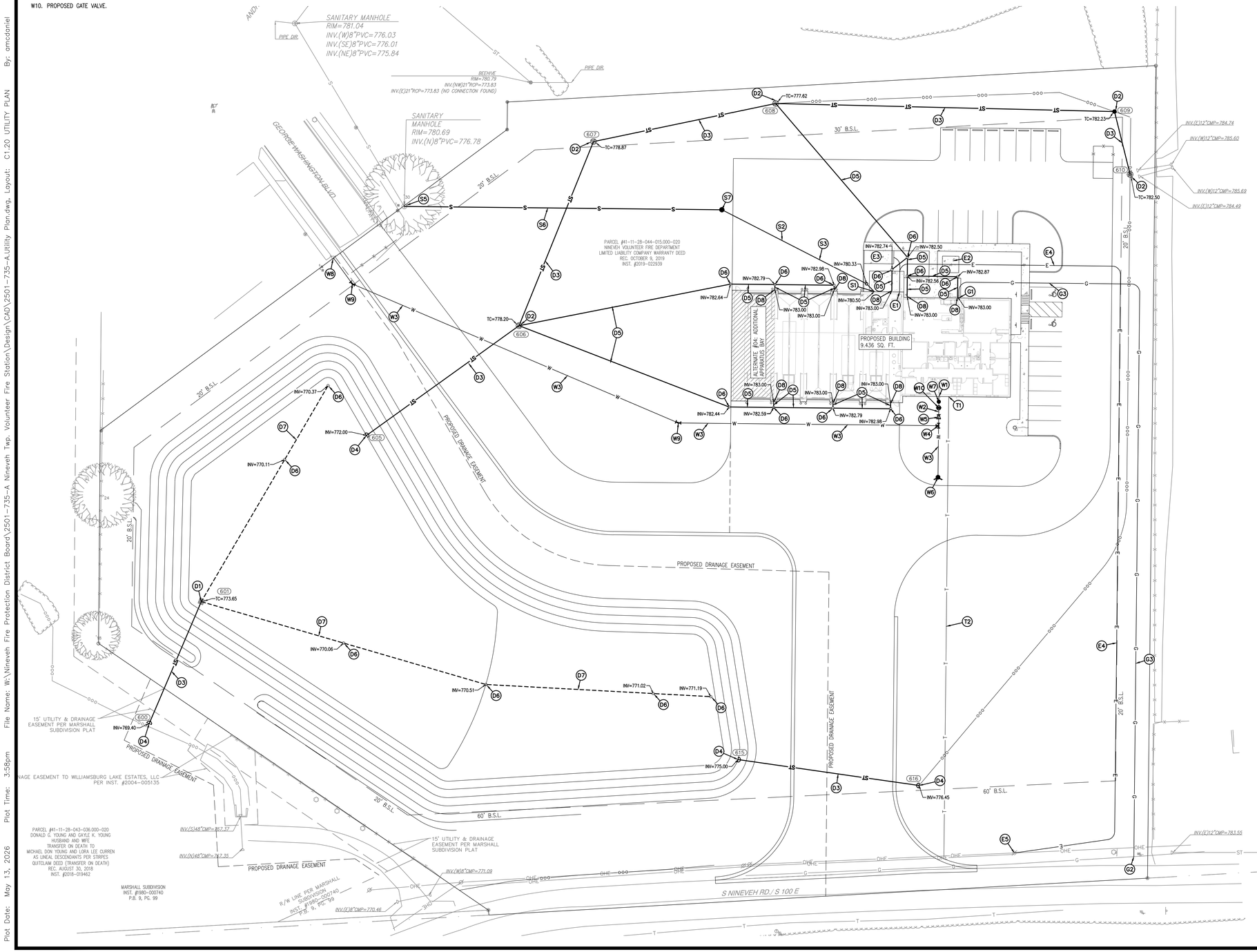
S7. PROPOSED SANITARY MANHOLE.

GAS SERVICE KEYNOTES: (G#)

G1. CONNECT TO PROPOSED BUILDING, SEE PLUMBING PLAN FOR CONTINUATION.

G2. CONNECT TO EXISTING GAS MAIN.

G3. PROPOSED GAS SERVICE LINE.



GRAPHIC SCALE

0' 30' 60' 90'

(IN FEET)

STANDARD LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET. SEE EXISTING CONDITIONS PLAN FOR EXISTING ITEMS LEGEND.

- RIGHT-OF-WAY LINE
- EASEMENT LINE
- SETBACK LINE
- CENTERLINE
- CONTOUR, MAJOR
- CONTOUR, MINOR
- SUBSURFACE DRAIN
- SWALE / FLOWLINE
- TREE LINE
- DATA LINE
- ELECTRICAL LINE
- GAS MAIN
- WATER MAIN
- FORCE MAIN
- SANITARY SEWER
- SANITARY MANHOLE
- CLEANOUT
- STORM SEWER
- STORM CULVERT
- STORM MANHOLE
- STORM INLET
- STORM END SECTION
- FIRE HYDRANT
- FIRE HYDRANT / VALVE
- WATER VALVE
- UTILITY POLE
- VAULT
- DATA MANHOLE
- LIGHT
- SIGN

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
UTILITY PLAN

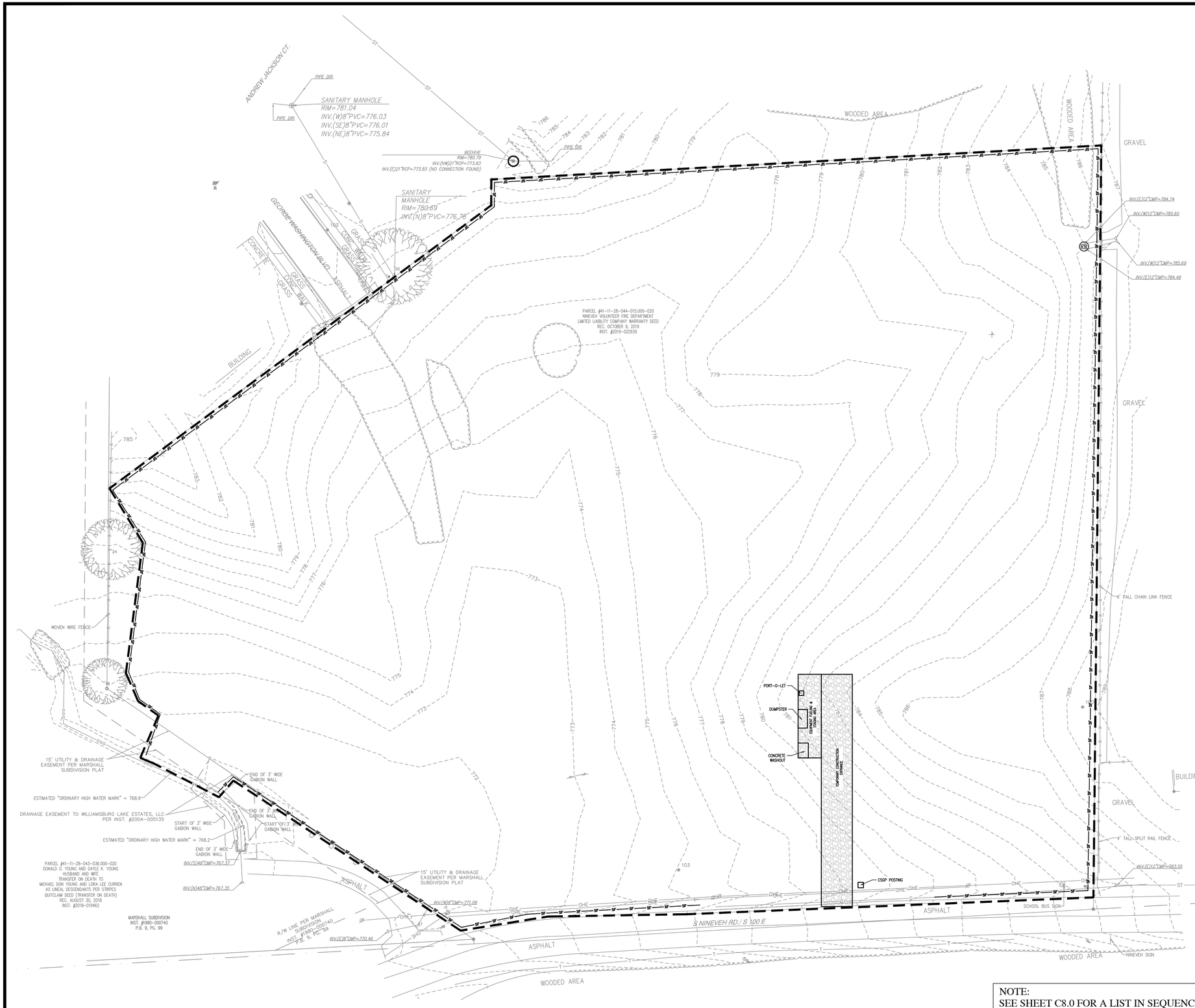
ALEXANDER R. MCDANIEL
REGISTERED
No. PE12300515
STATE OF
INDIANA
PROFESSIONAL ENGINEER

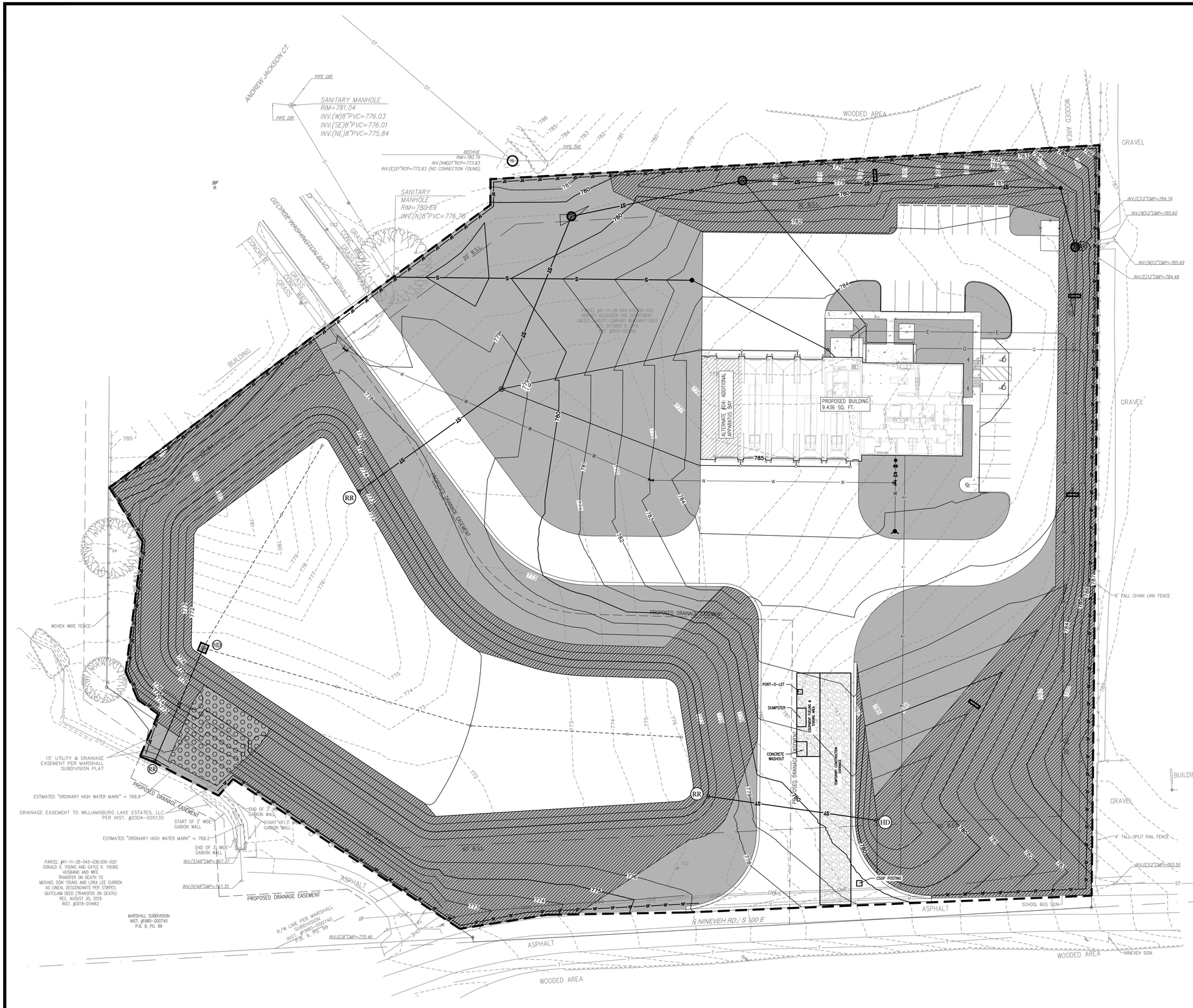
Alexander K. McDaniel

DRAWN BY	JOB NUMBER 2501-735-A
BP	
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	
SHEET	
C1.20	
UTILITY PLAN	

© 2026

Plot Date: May 13, 2026 Plot Time: 3:58pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Utility Plan.dwg, Layout: C1.20 UTILITY PLAN By: amcdaniel


ANDREW JACKSON CT.
PIPE DIR.
PIPE DIR.
SANITARY MANHOLE
RIM=781.04
INV.(W)8"PVC=776.03
INV.(SE)8"PVC=776.01
INV.(NE)8"PVC=775.84
ST
ST
BEEHIVE
RIM=780.79
INV.(NW)21"RCP=773.83
INV.(E)21"RCP=773.83 (NO CONNECTION FOUND)
PIPE DIR.
SANITARY
MANHOLE
RIM=780.69
INV.(N)8"PVC=776.76
WOODED AREA
WOODED AREA
GRAVEL
INV.(E)12"CMP=784.74
INV.(W)12"CMP=785.60
INV.(W)12"CMP=785.69
INV.(E)12"CMP=784.49
GEORGE WASHINGTON BLVD.
CONCRETE
GRASS
CONC. WALK
GRASS
CONC. WALK
GRASS
ASPHALT
BUILDING
PARCEL #41-11-28-044-015.000-020
NINEVEH VOLUNTEER FIRE DEPARTMENT
LIMITED LIABILITY COMPANY WARRANTY DEED
REC. OCTOBER 9, 2019
INST. #2019-022939
785
784
783
782
781
780
779
778
777
776
775
774
773
772
771
WOVEN WIRE FENCE
15' UTILITY & DRAINAGE EASEMENT PER MARSHALL SUBDIVISION PLAT
END OF 3' WIDE GABION WALL
ESTIMATED "ORDINARY HIGH WATER MARK" = 768.9
DRAINAGE EASEMENT TO WILLIAMSBURG LAKE ESTATES, LLC PER INST. #2004-005135
START OF 3' WIDE GABION WALL
END OF 3' WIDE GABION WALL
START OF 3' WIDE GABION WALL
ESTIMATED "ORDINARY HIGH WATER MARK" = 768.2
END OF 3' WIDE GABION WALL
INV.(S)48"CMP=767.37
INV.(N)48"CMP=767.35
PARCEL #41-11-28-043-036.000-020
DONALD G. YOUNG AND GAYLE K. YOUNG
HUSBAND AND WIFE
TRANSFER ON DEATH TO
MICHAEL DON YOUNG AND LORA LEE CURREN
AS LIKEAL DESCENDANTS PER STIRPES
QUITCLAIM DEED (TRANSFER ON DEATH)
REC. AUGUST 30, 2018
INST. #2018-019462
MARSHALL SUBDIVISION
INST. #1980-000740
P.B. 9, PG. 99
R/W LINE PER MARSHALL SUBDIVISION INST. #1980-000740 P.B. 9, PG. 99
INV.(E)8"CMP=770.46
15' UTILITY & DRAINAGE EASEMENT PER MARSHALL SUBDIVISION PLAT
INV.(W)8"CMP=771.09
ASPHALT
S NINEVEH RD./ S 100 E
ASPHALT
WOODED AREA
WOODED AREA
PORT-O-LET
DUMPSTER
CONCRETE WASHOUT
CONTRACTOR PARKING & EQUIPMENT STORAGE AREA
TEMPORARY CONSTRUCTION ENTRANCE
CSSP POSTING
6' TALL CHAIN LINK FENCE
4' TALL SPLIT RAIL FENCE
BUILDING
GRAVEL
INV.(E)12"CMP=783.55
SCHOOL BUS SIGN
NINEVEH SIGN
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826



Plot Date: May 13, 2026 Plot Time: 4:00pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Erosion Control Plan.dwg, Layout: C1.50 POST-SWPP By: amcdaniel

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

STANDARD LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET. SEE EXISTING CONDITIONS PLAN FOR EXISTING ITEMS LEGEND.

- RIGHT-OF-WAY LINE
- EASEMENT LINE
- SETBACK LINE
- CENTERLINE
- CONTOUR, MAJOR 800
- CONTOUR, MINOR 799
- SUBSURFACE DRAIN
- SWALE / FLOWLINE
- TREE LINE
- DATA LINE D
- ELECTRICAL LINE E
- GAS MAIN G
- WATER MAIN W
- FORCE MAIN FM
- SANITARY SEWER S
- SANITARY MANHOLE (XXX)
- CLEANOUT CO
- STORM SEWER ST
- STORM CULVERT D ST G
- STORM MANHOLE (XXX)
- STORM INLET (XXX)
- STORM END SECTION (XXX)
- FIRE HYDRANT OR (OTTOZENS)
- FIRE HYDRANT / VALVE OR (OTTOZENS)
- WATER VALVE OR (OTTOZENS)
- UTILITY POLE
- VAULT V
- DATA MANHOLE D
- LIGHT
- SIGN

CONST. S.W.P.P. LEGEND

- PERMANENT SEEDING / SODDING
- (RR) – RIP RAP
- (HD) – HORSESHOE DAM
- – ROCK CHECK DAM
- – TEMPORARY "DROP INLET PROTECTION BASKET"
- CURB INLET – TEMPORARY CURB INLET PROTECTION SEE SHEET C8.1 FOR DETAIL
- SF – SILT FENCE
- – CONSTRUCTION LIMITS
- – TEMPORARY SITE CONSTRUCTION ENTRANCE
- – EROSION CONTROL BLANKET
- – ARMORED MATTING

NOTES:
1. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.
2. THERE SHALL BE NO DIRT, DEBRIS OR STORAGE OF MATERIALS IN THE STREET.
3. THIS SHEET TO BE USED FOR STORMWATER POLLUTION PREVENTION PURPOSES ONLY.
4. GEOTEXTILE FABRIC SHALL BE PLACED UNDER STONE LAYER OF THE CONSTRUCTION ENTRANCE.
5. ALL PORTABLE TOILETS MUST BE ANCHORED TO PREVENT SPILLS.
6. WHERE EXISTING DRAIN TILES OR FIELD TILES ARE ENCOUNTERED WHERE APPLICABLE, INTERCEPT EXISTING TILES AND TIE THEM INTO THE STORM SYSTEM.
7. SHOULD THE CONTRACTOR CHOOSE TO UTILIZE LIME STABILIZATION FOR SOIL SUBGRADE UNDER PAVED AREAS, PLEASE REFERENCE NOTES ON CONSTRUCTION PLAN SHEET C8.0–C8.2. WHILE THE NOTES ON SHEET C8.0–C8.2 SHALL SERVE AS GENERAL GUIDELINES FOR USE OF LIME STABILIZATION, THE CONTRACTOR SHALL ADHERE TO SPECIFIC GUIDELINES AND SPECIFICATIONS FOR TRANSPORTATION, HANDLING, APPLICATION, CONTAINMENT AND SAFETY OF THE STABILIZATION MATERIAL AS OUTLINED BY THE MANUFACTURER AND/ OR SUPPLIER.

PERSON ONSITE RESPONSIBLE FOR EROSION CONTROL:
ALEXANDER K. MCDANIEL, PROJECT MANAGER
HWC ENGINEERING
135 N PENNSYLVANIA ST., SUITE 2800
INDIANAPOLIS, IN 46204
PHONE: M: (812) 363–3323
E–Mail: AMCDANIEL@HWCENGINEERING.COM

THIS SHEET TO BE USED FOR EROSION CONTROL ONLY.

NOTE:
SEE SHEET C8.0 FOR A LIST IN SEQUENCE OF CONSTRUCTION ACTIVITIES.

REVISIONS

DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

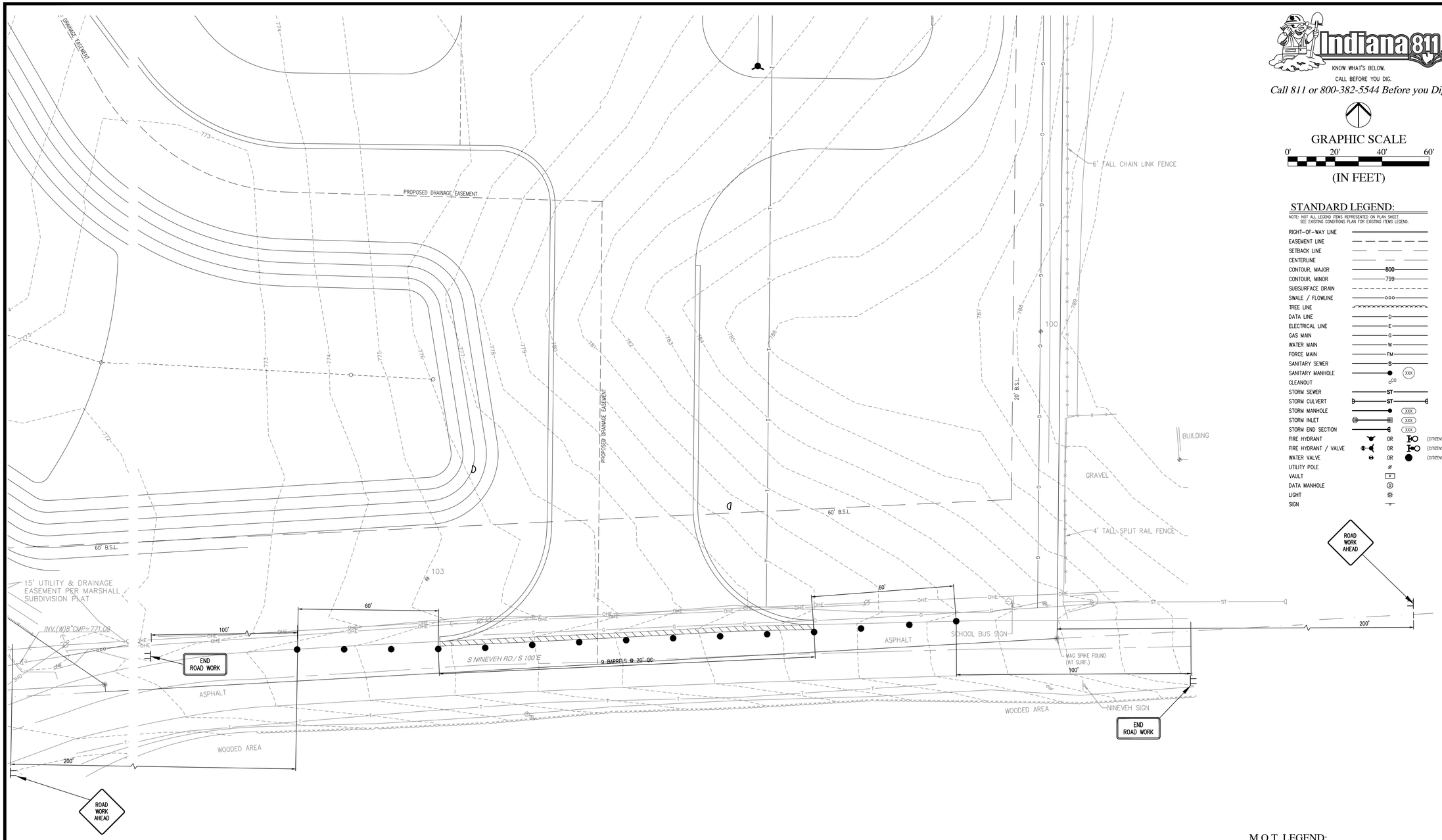
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY	MJ
CHECKED BY	AM
DATE	MAY 14, 2026
SCALE	AS SHOWN
JOB NUMBER	2501-735-A
SHEET	C1.50

POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

© 2026



KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 20' 40' 60'
(IN FEET)

STANDARD LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET. SEE EXISTING CONDITIONS PLAN FOR EXISTING ITEMS LEGEND.

- RIGHT-OF-WAY LINE
- EASEMENT LINE
- SETBACK LINE
- CENTERLINE
- CONTOUR, MAJOR (800)
- CONTOUR, MINOR (799)
- SUBSURFACE DRAIN
- SWALE / FLOWLINE
- TREE LINE
- DATA LINE (D)
- ELECTRICAL LINE (E)
- GAS MAIN (G)
- WATER MAIN (W)
- FORCE MAIN (FM)
- SANITARY SEWER (S)
- SANITARY MANHOLE (XXX)
- CLEANOUT
- STORM SEWER (ST)
- STORM CULVERT (ST)
- STORM MANHOLE (XXX)
- STORM INLET (XXX)
- STORM END SECTION (XXX)
- FIRE HYDRANT OR (OTHERS)
- FIRE HYDRANT / VALVE OR (OTHERS)
- WATER VALVE OR (OTHERS)
- UTILITY POLE
- VAULT (V)
- DATA MANHOLE (D)
- LIGHT
- SIGN

M.O.T. LEGEND:

- TRAFFIC FLOW DIRECTION (NOT PAVEMENT MARKINGS)
- ROAD WORK AHEAD (W20-1) — W20-1
- END CONSTRUCTION (G20-2) — G20-2
- CHANNELIZATION DEVICES (DRUMS OR BARRICADES) WITH STEADY BURN LIGHTS
- ROAD CONSTRUCTION SIGN
- PROPOSED PAVEMENT IN SOUTH NINEVEH ROAD R/W

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
MAINTENANCE OF TRAFFIC

ALEXANDER K. McDANIEL — REGISTERED — No. PE12300515 — STATE OF INDIANA — PROFESSIONAL ENGINEER

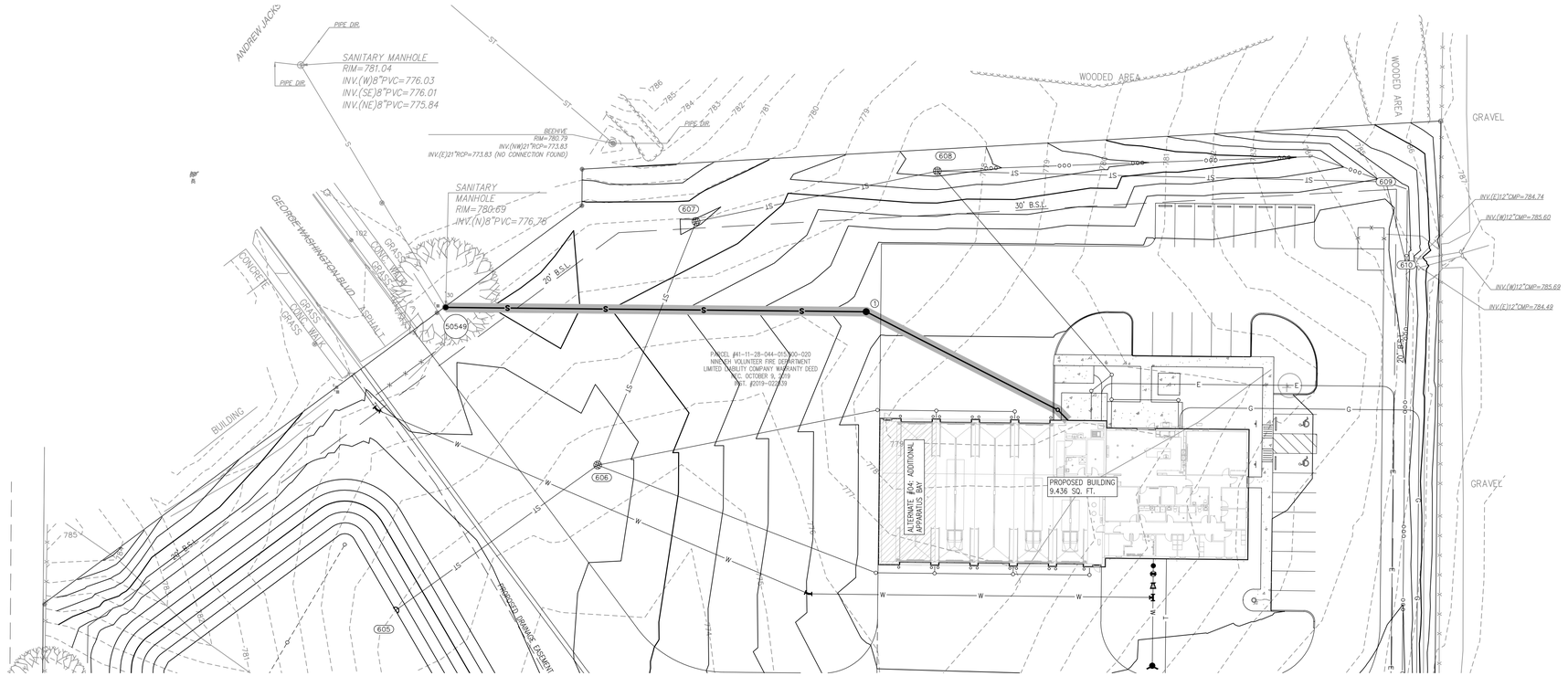
Alexander K. McDaniel

DRAWN BY: MJ	JOB NUMBER: 2501-735-A
CHECKED BY: AM	
DATE: MAY 14, 2026	
SCALE: AS SHOWN	
SHEET: C3.00	

MAINTENANCE OF TRAFFIC

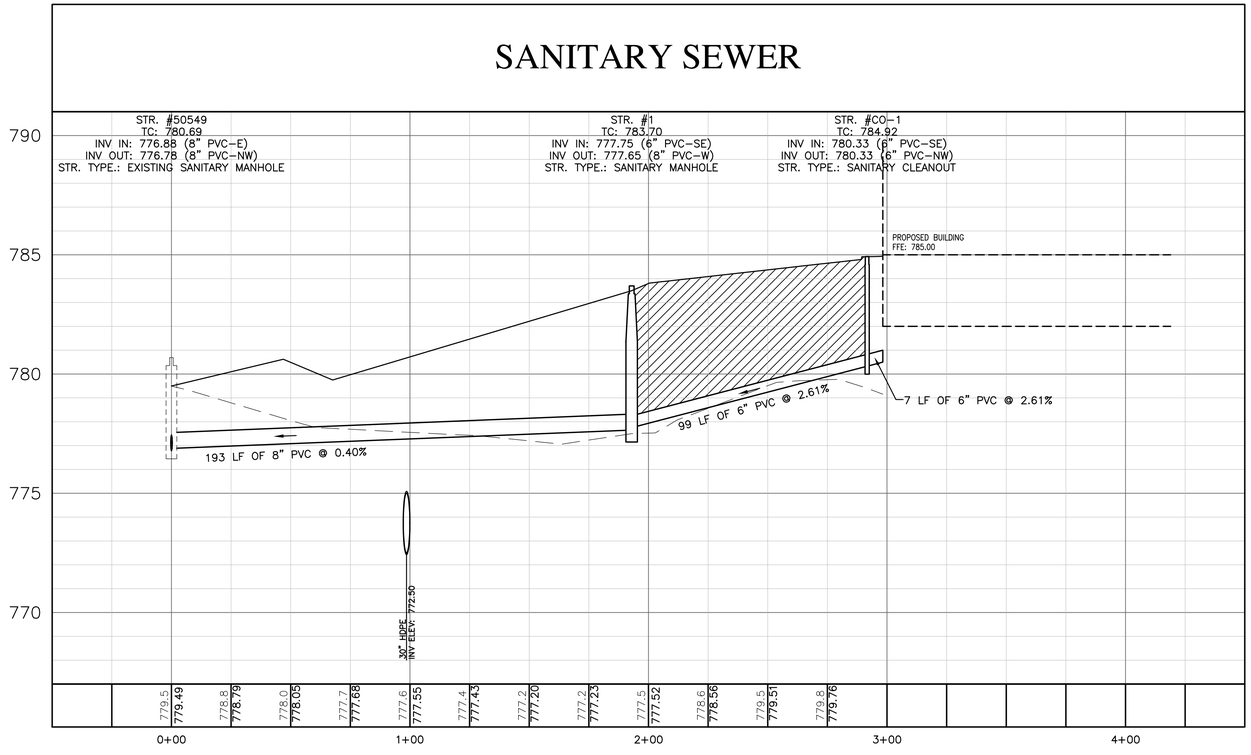
© 2026

Plot Date: May 13, 2026 Plot Time: 4:01pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A MOT Plan.dwg, Layout: C3.00 MOT PLAN By: amcdaniel



SANITARY PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

SANITARY SEWER LEGEND

NOTE: NOT ALL LEGEND ITEMS MAY BE REPRESENTED ON PLAN SHEET.

SANITARY SEWER	S
STORM SEWER	ST
STORM CULVERT	D ST D
SANITARY MANHOLE	XXX
STORM MANHOLE	XXX
STORM INLET	XXX
STORM END SECTION	XXX
PROFILED PIPELINE	S
EXISTING	EX
MANHOLE	MH
TOP OF CASTING GRADE	TC

SANITARY SEWER GENERAL NOTES

1. A DEFLECTION TEST MUST BE PERFORMED ON EACH FLEXIBLE PIPE FOLLOWING THE ELAPSE OF THIRTY (30) DAYS AFTER THE PLACEMENT OF THE FINAL BACKFILL. THE PIPE MUST NOT EXCEED A DEFLECTION OF FIVE PERCENT (5%) OR GREATER. THE DIAMETER OF THE RIGID BALL OR MANDREL USED FOR A DEFLECTION TEST MUST BE NO LESS THAN NINETY-FIVE (95%) OF THE BASE INSIDE DIAMETER OF THE PIPE TO BE TESTED, DEPENDENT ON WHAT IS SPECIFIED IN THE CORRESPONDING ASTM STANDARD. THE TEST MUST NOT BE PERFORMED WITH THE AID OF A MECHANICAL PULLING DEVICE.
2. MANHOLES MUST AIR TESTED IN ACCORDANCE WITH ASTM C1244-93, STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE AIR PRESSURE (VACUUM) TEST.
3. ALL GRAVITY SEWER PIPE MUST BE TESTED USING THE FOLLOWING LEAKAGE TEST TYPE: ASTM F1417-92, STANDARD TEST METHOD FOR INSTALLATION ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW PRESSURE AIR, FOR PLASTIC PIPE.
4. ALL GRAVITY SEWERS, FORCE MAINS, AND THE ACCESSORIES TO EITHER MUST BE INSTALLED IN ACCORDANCE WITH ASTM D2321-89, STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS.
5. INLET OR OUTLET PIPES SHALL BE JOINED TO THE MANHOLE WITH A GASKETED, FLEXIBLE, AND WATERTIGHT CONNECTION (KOR-N-SEAL OR APPROVED EQUAL).

GRANULAR BACKFILL
EXISTING GRADE
PROPOSED GRADE

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
SANITARY PLAN & PROFILE

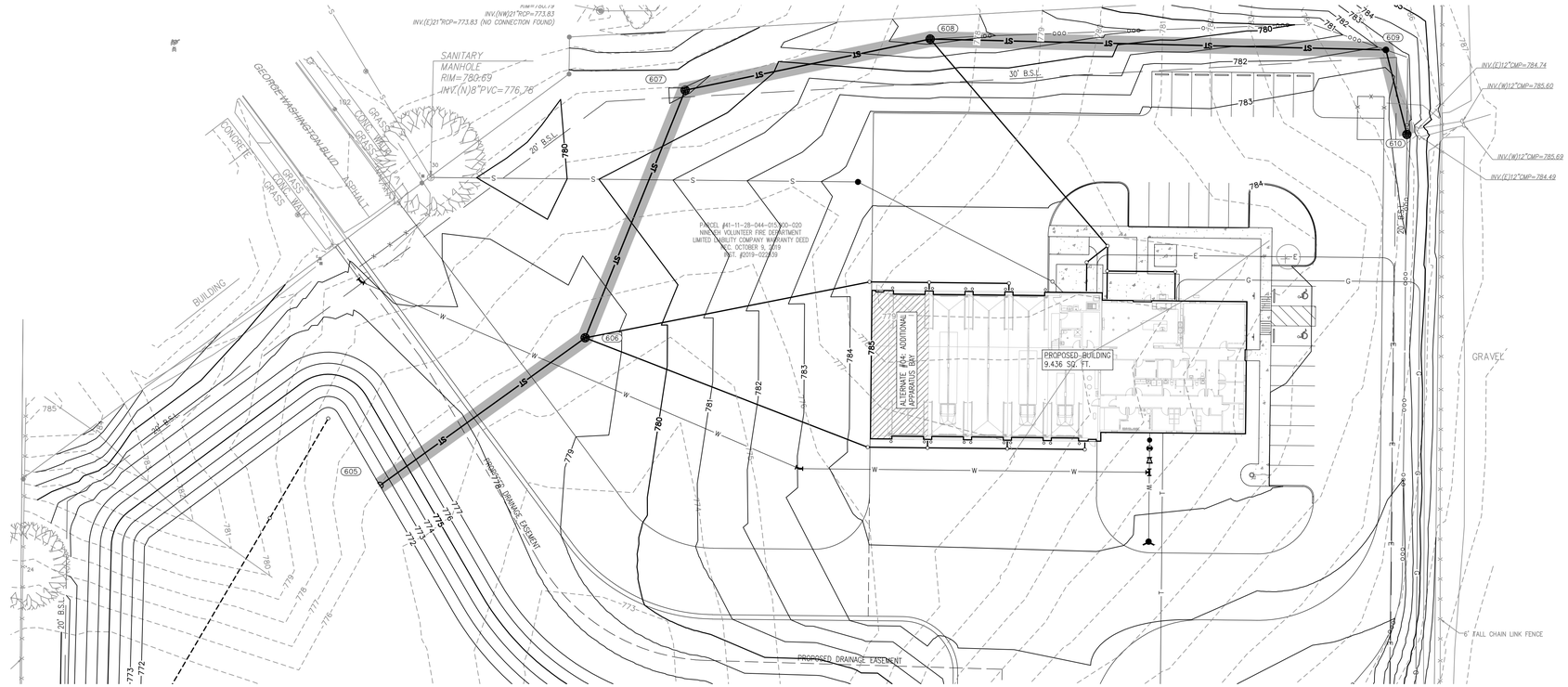
ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY BP	JOB NUMBER 2501-735-A
CHECKED BY AM	
DATE MAY 14, 2026	
SCALE AS SHOWN	

SHEET
C4.00
SANITARY PLAN & PROFILE

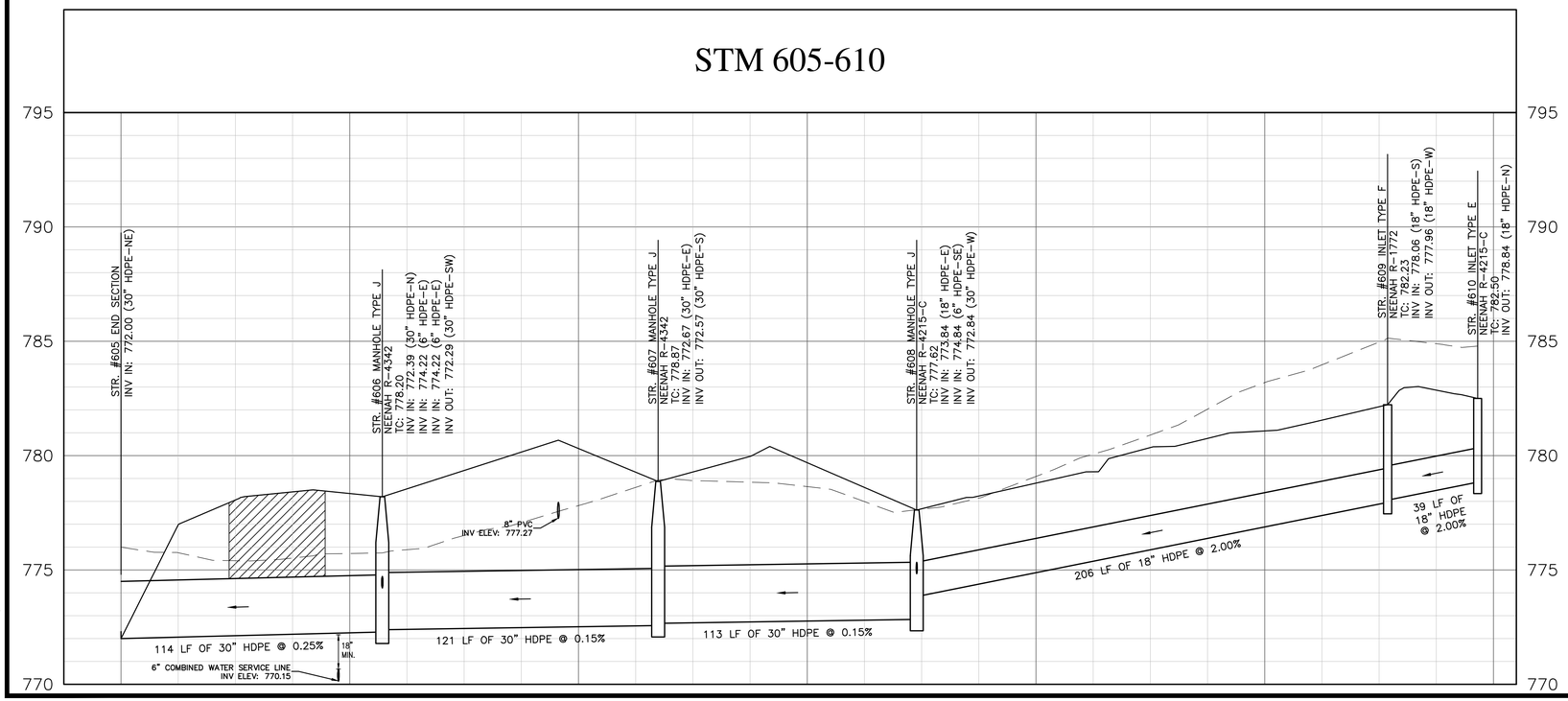
© 2026

Plot Date: May 13, 2026 Plot Time: 4:02pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Sanitary Plan.dwg, Layout: C4.00 SANITARY PLAN By: amcdaniel



STORM PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



GRANULAR BACKFILL
EXISTING GRADE
PROPOSED GRADE

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

STORM SEWER LEGEND

NOTE: NOT ALL LEGEND ITEMS MAY BE REPRESENTED ON PLAN SHEET.

SANITARY SEWER	S
STORM SEWER	ST
STORM CULVERT	ST
SANITARY MANHOLE	XXX
STORM MANHOLE	XXX
STORM INLET	XXX
STORM END SECTION	XXX
PROFILED PIPELINE	ST
EXISTING	EX
INVERT ELEVATION	INV
MANHOLE	MH
TOP OF CASTING GRADE	TC

STORM SEWER GENERAL NOTES

1. GRANULAR BACKFILL REQUIRED WITHIN 5' OF BACK OF CURB ON ALL PAVEMENT WITHIN THE RIGHT-OF-WAY. GRANULAR BACKFILL MATERIAL TO BE #8 STONE UNLESS OTHERWISE STATED BY COUNTY STANDARDS.
2. ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE – DRAINS TO WATERWAY"

STORM SEWER STRUCTURE DATA TABLE

STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE
605	774.81	772.00 (NE)		30"		HDPE		END SECTION
606	778.20	772.39 (N) 774.22 (E) 774.22 (E)	772.29 (SW)	30" 6" 6"	30"	HDPE HDPE HDPE	HDPE	MANHOLE TYPE J NEENAH R-4342
607	778.87	772.67 (E)	772.57 (S)	30"	30"	HDPE	HDPE	MANHOLE TYPE J NEENAH R-4342
608	777.62	773.84 (E) 774.84 (SE)	772.84 (W)	18" 6"	30"	HDPE HDPE	HDPE	MANHOLE TYPE J NEENAH R-4215-C
609	782.23	778.06 (S)	777.96 (W)	18"	18"	HDPE	HDPE	INLET TYPE F NEENAH R-1772
610	782.50		778.84 (N)		18"		HDPE	INLET TYPE E NEENAH R-4215-C

REVISIONS

DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
STORM PLAN & PROFILE

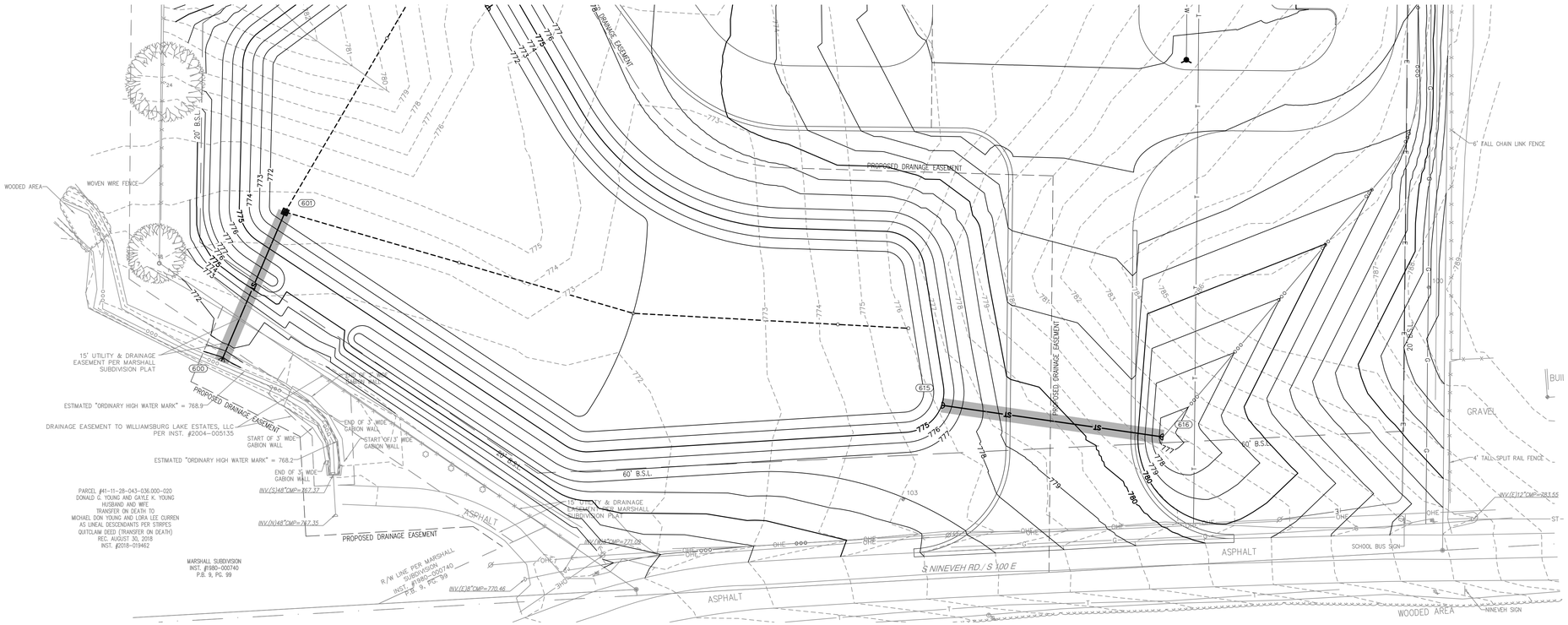
ALEXANDER K. McDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY MJ	JOB NUMBER 2501-735-A
CHECKED BY AM	
DATE MAY 14, 2026	
SCALE AS SHOWN	
SHEET C6.00	

STORM PLAN & PROFILE

© 2026

Plot Date: May 13, 2026 Plot Time: 4:03pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Storm Plan.dwg, Layout: C6.00 STORM PLAN By: amcdaniel



Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

STORM SEWER LEGEND

NOTE: NOT ALL LEGEND ITEMS MAY BE REPRESENTED ON PLAN SHEET.

SANITARY SEWER	S
STORM SEWER	ST
STORM CULVERT	D — ST — C
SANITARY MANHOLE	XXX
STORM MANHOLE	XXX
STORM INLET	XXX
STORM END SECTION	XXX
PROFILED PIPELINE	ST
EXISTING	EX
INVERT ELEVATION	INV
MANHOLE	MH
TOP OF CASTING GRADE	TC

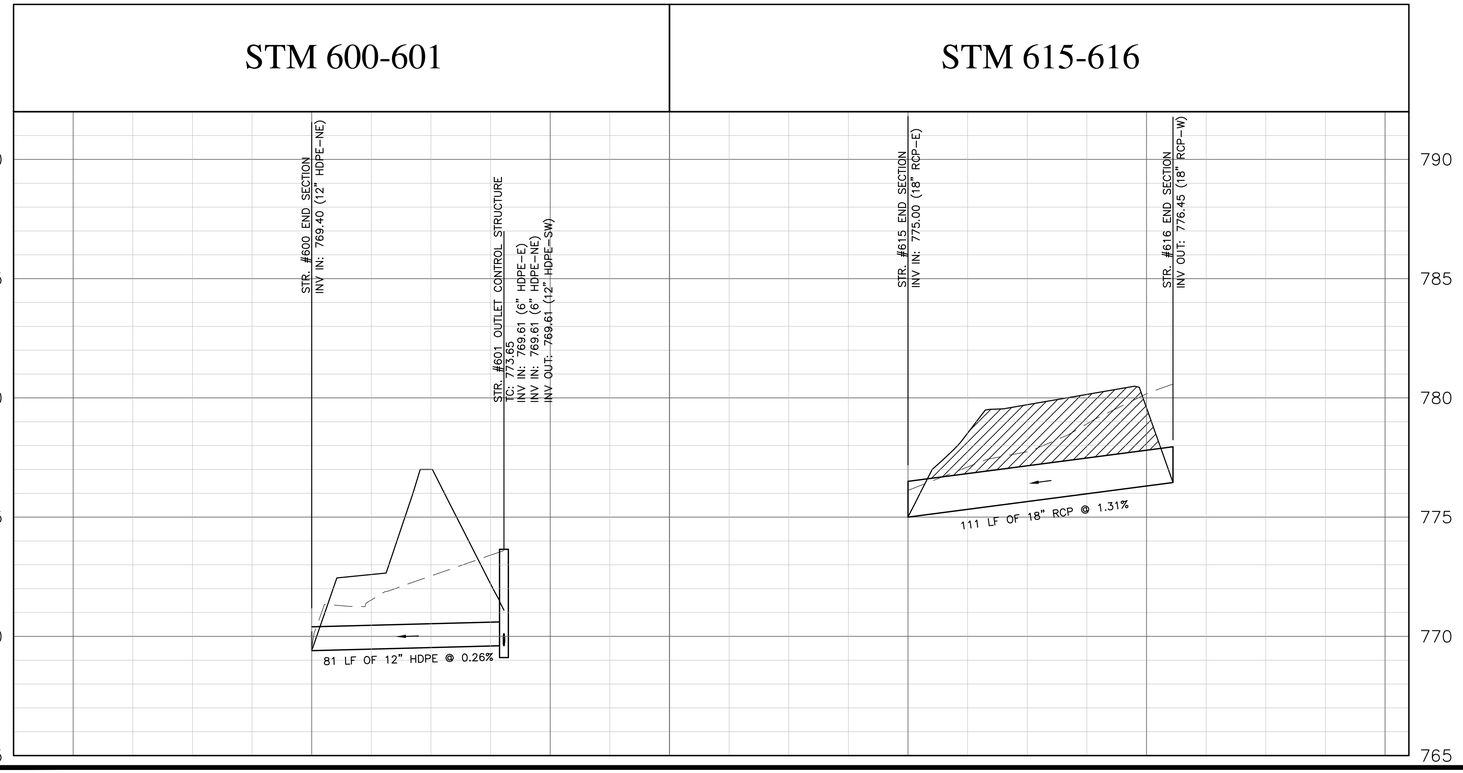
STORM SEWER GENERAL NOTES

1. GRANULAR BACKFILL REQUIRED WITHIN 5' OF BACK OF CURB ON ALL PAVEMENT WITHIN THE RIGHT-OF-WAY. GRANULAR BACKFILL MATERIAL TO BE #8 STONE UNLESS OTHERWISE STATED BY COUNTY STANDARDS.
2. ALL STORM SEWER CASTINGS SHALL BE LABELED "DUMP NO WASTE – DRAINS TO WATERWAY"

STORM PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'

GRANULAR BACKFILL
EXISTING GRADE
PROPOSED GRADE



STORM SEWER STRUCTURE DATA TABLE

STR. #	TC	INV. IN (ELEV.)	INV. OUT (ELEV.)	PIPE IN DIA. (INCH)	PIPE OUT DIA. (INCH)	PIPE IN MATERIAL	PIPE OUT MATERIAL	STR. & CASTING TYPE
600	771.19	769.40 (NE)		12"		HDPE		END SECTION
601	773.65	769.61 (E) 769.61 (NE)	769.61 (SW)	6" 6"	12"	HDPE HDPE	HDPE	OUTLET CONTROL STRUCTURE
615	777.19	775.00 (E)		18"		RCP		END SECTION
616	778.24		776.45 (W)		18"		RCP	END SECTION

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
STORM PLAN & PROFILE

ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY	MJ
CHECKED BY	AM
DATE	MAY 14, 2026
SCALE	AS SHOWN
JOB NUMBER	2501-735-A

SHEET
C6.01
STORM PLAN & PROFILE

© 2026

Plot Date: May 13, 2026 Plot Time: 4:03pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Storm Plan.dwg, Layout: C6.01 STORM PLAN By: amcdaniel

Plot Date: May 13, 2026 Plot Time: 4:04pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A SWPP Notes & Details.dwg, Layout: C8.00 SWPP NOTES By: amcdaniel

A1. PLAN INDEX
SEE COVER SHEET C0.00

A2. VICINITY MAP
SEE COVER SHEET C0.00

A3. PROJECT TYPE
THIS PROJECT IS FOR THE NINEVEH FIRE DEPARTMENT, STATION #101 ON S. NINEVEH RD, NINEVEH, IN. WORK INCLUDES A NEW FIRE STATION BUILDING, PARKING LOT, UTILITIES, AND STORM INFRASTRUCTURE.

A4. LATITUDE AND LONGITUDE
THE LATITUDE IS 39° 21' 34" N AND LONGITUDE IS 86° 05' 18" W.

A5. LEGAL DESCRIPTION
SEE COVER SHEET C0.00

A6. 11 X 17 PLAT
REFER TO THE SITE PLAN

A7. 100 YEAR FLOODPLAINS, FLOODWAYS, AND FLOOD FRINGES
N/A

A8. ADJACENT LAND USES
North: RESIDENTIAL
East: COMMERCIAL
South: UNDEVELOPED
West: RESIDENTIAL

A9. IDENTIFICATION OF U.S.EPA APPROVED OR ESTABLISHED TMDL
MUD CREEK–PRINCE CREEK, TMDL: NO, IMPAIRED: NO

A10. RECEIVING WATERS
MUD CREEK–PRINCE CREEK

A11. IDENTIFICATION OF DISCHARGES TOA WATER ON THE CURRENT 303(D) LIST OF IMPAIRED WATERS AND THE POLLUTANT(S) FOR WHICH IT IS IMPAIRED
IMPAIRED: NO

A12. SOILS MAP
SEE SHEET C0.00

A13. LOCATION OF WETLANDS, LAKES, WATER COURSES ADJACENT TO SITE
NONE.

A14. STATE OR FEDERAL WATER QUALITY PERMITS
IDEM CONSTRUCTION STORMWATER GENERAL PERMIT.

A15. IDENTIFICATION OF EXISTING VEGETATIVE COVER, INCLUDING NATURAL BUFFERS
SEE SHEET C0.10. IN GENERAL THE EXISTING SITE CONDITIONS MOSTLY CONSIST OF NATIVE GRASSES WITH SOME TREE COVER.

A16. EXISTING SITE TOPOGRAPHY
SEE SHEETS C0.10 AND C0.20 FOR EXISTING CONDITIONS AND DEMOLITION PLAN

A17. LOCATION(S) WHERE RUNOFF ENTERS PROJECT SITE
SEE SHEETS C1.10. IN GENERAL, OFF–SITE RUNOFF ENTERS THE SITE ON THE EASTERN PROPERTY BOUNDARY FROM THE NEIGHBORING COMMERCIAL DEVELOPMENTS.

A18. LOCATION(S) WHERE RUNOFF DISCHARGES FROM THE PROJECT SITE PRIOR TO LAND DISTURBANCE
SEE SHEETS C0.10. IN GENERAL, STORMWATER RUNOFF SHEET DRAINS FROM THE EASTERN PROPERTY BOUNDARY AND DISCHARGES TO THE SOUTH WEST. WHERE IT ULTIMATELY DISCHARGES INTO A NEARBY DRAINAGE DITCH.

A19. LOCATION(S) OF ALL EXISTING STRUCTURES ON THE PROJECT SITE
SEE SHEET C0.10. N/A

A20. EXISTING PERMANENT RETENTION OR DETENTION FACILITIES, INCLUDING MANMADE WETLANDS, DESIGNED FOR THE PURPOSE OF STORMWATER MANAGEMENT.
SEE SHEET C0.10. N/A

A21. LOCATIONS(S) WHERE STORMWATER MAY BE DIRECTLY DISCHARGED INTO GROUNDWATER, SUCH AS ABANDONED WELLS, SINKHOLES, OR KARST FEATURES.
N/A

A22. PROJECT AREA
6.15 ACRES

A23. LAND DISTURBANCE
6.04 ACRES

A24. PROPOSED SITE TOPOGRAPHY
SEE SHEET C1.10 FOR GRADING AND DRAINAGE PLAN

A25. LOCATION(S) AND BOUNDARIES OF DISTURBED AREA(S)
SEE SHEET C1.10 FOR GRADING AND DRAINAGE PLAN AND C1.50 FOR POST–CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN

A26. LOCATION(S), SIZE(S), DIMENSION(S) OF PROPOSED STORMWATER SYSTEM
SEE SHEET C1.00 SITE PLAN AND C6.00–6.10 STORM PLAN AND PROFILE

A27. POINT(S) WHERE STORMWATER WILL DISCHARGE FROM SITE
SEE SHEET C1.10. IN GENERAL, STORMWATER RUNOFF WILL SHEET DRAIN TO THE PROPOSED PERIMETER SWALES WHERE IT WILL BE COLLECTED AND CONVEYED TO PROPOSED STORM SEWER INFRASTRUCTURE. STORMWATER RUNOFF WILL THEN BE CONVEYED TO THE PROPOSED DRY DETENTION BASIN, WHERE IT WILL ULTIMATELY DISCHARGED TO A NEARBY DRAINAGE DITCH.

A28. LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING ROADS, UTILITIES LOT DELINEATION AND IDENTIFICATION OF PROPOSED STRUCTURE AND COMMON AREAS.
SEE SHEETS C1.00 – C1.20

A29. LOCATION OF SOIL STOCKPILE
SEE SHEETS C1.50

A30. CONSTRUCTION SUPPORT ACTIVITIES THAT ARE EXPECTED TO BE PART OF THE PROJECT
N/A

A31. LOCATION OF ANY IN STREAM ACTIVITIES THAT RE PLANNED FOR THE PROJECT INCLUDED BUT NOT LIMITED TO, STREAM CROSSINGS AND PUMP AROUND
PROPOSED POND OUTLET WILL BE CONSTRUCTED ON THE BANKS OF THE NEARBY DRAINAGE DITCH.

SECTION B – STORMWATER POLLUTION PLAN (SWPPP) CONSTRUCTION COMPONENT

B1. POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES
ERODED SOILS AND SEDIMENTS; OILS, GREASES, COOLANTS, CONCRETE WASHOUT, PETROLEUM FUELS AND OTHER FLUIDS ASSOCIATED WITH OPERATION AND MAINTENANCE OF CONSTRUCTION EQUIPMENT PRESENT ON THE SITE; DEBRIS INCLUDING CUTTINGS, SEALANTS, ADHESIVES, AND COATINGS ASSOCIATED WITH INSTALLATION OF UNDERGROUND PIPES, INFRASTRUCTURE AND CONSTRUCTION OF THE BUILDING; PAINTS ASSOCIATED WITH PAVEMENT MARKINGS; FERTILIZERS ASSOCIATED WITH SEEDING AND PLANTING.

B2. STABLE CONSTRUCTION ENTRANCE LOCATION AND SPECIFICATIONS
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
FOR LOCATION: SEE SHEETS C1.40 AND C1.50
FOR DETAIL SEE SHEET C8.02

B3. TEMPORARY AND PERMANENT STABILIZATION
TEMPORARY SEEDING IS REQUIRED FOR ANY POTENTIAL IDLE AREA AND MUST INITIATE STABILIZATION ON THE SEVENTH DAY (7 DAYS) SUCH AS TEMPORARY SEEDING AND MULCH. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION PER IDEM CONSTRUCTION STORMWATER GENERAL PERMIT, TEMPORARY SEEDING IS ALSO REQUIRED IN AREAS THAT WILL BE DISTURBED IN FUTURE PROJECTS. THIS SEEDING WILL BE PLACED AFTER FINISH GRADING AND TOPSOIL REPLACEMENT.
FOR LOCATIONS: SEE SHEETS C1.50
FOR NOTES AND SCHEDULE: SEE SHEET C8.00 – C8.01

PERMANENT SEEDING WILL BE APPLIED WITH THE INSTALLATION OF THE EROSION CONTROL BLANKETS AROUND THE PONDS, EMBANKMENTS, WITH THE COMPLETION OF STORM DRAINAGE SYSTEM, SWALES, SANITARY SEWER, AND WATER LINES; AND AFTER REPLACEMENT OF TOPSOIL AS DESCRIBED IN THE CONSTRUCTION SEQUENCING.
FOR LOCATIONS SEE SHEETS C1.50
FOR NOTES AND SCHEDULE: SEE SHEET C8.00 – C8.01

B4. SEDIMENT CONTROL FOR CONCENTRATED FLOW AREAS
ROCK CHECK DAMS, TEMPORARY DIVERSION SWALES, SEDIMENT TRAPS, EROSION CONTROL BLANKETS, AND RIP–RAP WILL BE INSTALLED TO REDUCE VELOCITY AND COLLECT SEDIMENT RUNOFF.
FOR LOCATIONS: SEE SHEETS C1.50
FOR DETAILS: SEE SHEET C8.02

B5. SEDIMENT CONTROL FOR SHEET FLOW AREAS
SILT FENCE WILL BE INSTALLED ALONG THE PERIMETER OF THE PROJECT TO COLLECT SEDIMENT RUNOFF.
FOR LOCATIONS: SEE SHEETS C1.40 AND C1.50
FOR DETAIL SEE SHEET C8.02

B6. RUNOFF CONTROL MEASURES
ALMOST ALL OF THE EROSION CONTROL MEASURES USED AT THIS SITE CAN BE VIEWED AS RUNOFF CONTROL MEASURES. CONSTRUCTION ENTRANCE STABILIZES EARTH TO MINIMIZE SEDIMENT RUNOFF AT CRITICAL LOCATIONS OF ACCESS POINTS TO THE SITE TO MINIMIZE SEDIMENT TRACKING ON STREETS, CONCRETE WASHOUT AREAS ARE DISPOSAL AREAS FOR CONTAINMENTS AND ACCESSIBLE FOR CLEANUP AND REMOVAL OFFSITE, SILT FENCE AND INLET PROTECTION MEASURES COLLECT SEDIMENT LADEN RUNOFF PRIOR TO LEAVING THE SITE. RIP RAP REDUCES THE ENERGY OF THE RUNOFF AND THUS REDUCES POTENTIAL FOR EROSIVE SOILS, EROSION CONTROL BLANKETS ANCHOR MATTING TO INCREASE SEED GERMINATION AND STABILIZE SLOPES TO MINIMIZE SEDIMENT RUNOFF.
FOR LOCATIONS: SEE SHEETS C1.50
FOR DETAILS: SEE SHEET C8.02

B7. STORMWATER OUTLET PROTECTION
RIP RAP WILL BE INSTALLED AT ALL STORM PIPE OUTLETS INTO THE PONDS AND ALL POND OUTLETS AS OUTLET PROTECTION.
FOR LOCATIONS: SEE SHEETS C1.50
FOR DETAILS: SEE SHEET C8.02

B8. GRADE STABILIZATION STRUCTURES
NONE

B9. DEWATERING APPLICATIONS AND MANAGEMENT METHODS
ALL CONTRACTORS AND VENDORS ARE RESPONSIBLE FOR PREPARING AN APPROPRIATE DEWATERING PLAN BASED ON NEED, WHICH CAN VARY FROM UTILITY INSTALLATION, LOWERING OF PONDS, HOME FOUNDATIONS/BASEMENTS ETC. IN NO CIRCUMSTANCES SHOULD DEWATERING OPERATIONS BEGIN BASED ON THE ASSUMPTION WATER IS CLEAN. OFTEN SEDIMENT LADEN WATER IS ENCOUNTERED TOWARDS THE END OF THE OPERATION AND NOT THE BEGINNING.
DEWATERINGR REQUIRES INTENSIVE MEASURES FOR MAINTENANCE, FREQUENT MONITORING, CLEANOUT, REPAIR AND/OR REPLACEMENTS, SUBMIT A DEWATERING PLAN PRIOR TO COMMENCING WORK TO DEVELOPER PROJECT MANAGER FOR APPROVAL

B10. MEASURES UTILIZED FOR WORK WITHIN WATERBODIES
NONE

B11 MAINTENANCE GUIDLINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE
SEE SHEETS C8.00 – C8.01

B12 SCHEDULE OF STORMWATER QUALITY MEASURES RELATED TO LAND DISTURBING ACTIVITIES
PRE–CONSTRUCTION SCHEDULE

1. CONTRACTOR TO CALL INDIANA UNDERGROUND 811 OR 800–382–5544 TO VERIFY LOCATION OF EXISTING UTILITIES TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION
2. CONTRACTOR SHALL INSTALL STONE CONSTRUCTION ENTRANCE PRIOR TO THE START OF EARTHWORK IN ACCORDANCE WITH THE PLAN LOCATION ON SHEET C1.40 AND C1.50.
3. CONTRACTOR TO INSTALL IDEM CONSTRUCTION STORMWATER GENERAL PERMIT INFORMATION POSTING, TRASH DUMPSTER, AND PORT–O–LET AS SHOWN ON SHEET C1.40 AND C1.50.
4. CONTRACTOR TO INSTALL EXISTING STORM INLET PROTECTION AROUND THE PERIMETER OF THE SITE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL EVALUATE EXISTING EROSION CONTROL MEASURES AND USE AND MAINTAIN, REPLACE AS NECESSARY
5. CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCE AROUND THE PERIMETER OF THE ENTIRE SITE (INCLUDING MASS GRADING AREAS OF FUTURE SECTION(S) PRIOR TO ANY EARTHWORK ACTIVITIES SUCH AS EARTH MOVING OR STRIPPING.
6. CONTRACTOR SHALL INSTALL CONCRETE WASHOUT AREA AND CONSTRUCTION STAGING AREA PRIOR TO THE START OF EARTHWORK ACTIVITIES AS SHOWN ON SHEETS C1.40 AND C1.50.
7. DEWATERING – ALL CONTRACTORS AND VENDORS ARE RESPONSIBLE FOR PREPARING AN APPROPRIATE DEWATERING PLAN BASED ON NEED, WHICH CAN VARY FROM UTILITY INSTALLATION, LOWERING OF PONDS, HOME FOUNDATIONS/BASEMENTS, ETC. IN NO CIRCUMSTANCES SHOULD DEWATERING OPERATIONS BEGIN BASED ON THE ASSUMPTION WATER IS CLEAN. OFTEN SEDIMENT LADEN WATER IS ENCOUNTERED TOWARDS THE END OF THE OPERATION AND NOT THE BEGINNINGS. DEWATERING REQUIRES INTENSIVE MEASURES FOR MAINTENANCE, FREQUENT MONITORING, CLEANOUT, REPAIR AND/OR REPLACEMENTS. SUBMIT DEWATERING PLAN PRIOR TO COMMENCING WORK TO DEVELOPER PROJECT MANAGER FOR APPROVAL.
8. ONCE PERIMETER ELEMENTS ARE INSTALLED, ANY UTILITY MODIFICATION OR RELOCATION PER SHEETS C1.40 AND C1.50 CAN COMMENCE IN FINAL PREPARATION FOR MASS EARTHWORK OPERATIONS. ALL INTERIM FLOW REQUIREMENTS SUCH AS ROCK CHECK DAMS AND TEMPORARY SWALES SHALL BE COMPLETED PRIOR TO MASS EARTHWORK OPERATIONS. THESE MEASURES SHALL BE MAINTAINED AND ADJUSTED AS NEEDED UNTIL COMPLETION OF EARTHWORK AND THE SITE HAS BEEN FULLY STABILIZED. EROSION CONTROL ADJUSTMENTS DURING DIFFERENT PHASES OF CONSTRUCTION ARE LIKELY REQUIRED AND SUBJECT TO WEATHER CONDITIONS.

POST CONSTRUCTION SCHEDULE

9. BEGIN CLEARING AND GRADING ACTIVITIES AFTER EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND ITEMS 1–8 OF THE PRE–CONSTRUCTION SCHEDULE ARE COMPLETE. EARTHMOVING SHALL BE DONE IN A MANNER TO MINIMIZE EROSION. CONTRACTOR SHALL VERIFY ALL EXISTING STORM SEWER AND UTILITY CONNECTION LOCATIONS AND ELEVATION PRIOR TO MOVING EARTH, CONTACT ENGINEER WITH ANY DISCREPANCIES. AS GRADING PROGRESSES, INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES TO CONTAIN SEDIMENT ON SITE.
10. CONTRACTOR SHALL STRIP TOPSOIL AND GRADE THE SITE PER PLAN AND PLACE PERMANENT AND TEMPORARY SEED AS INDICATED ON THE PLAN, INCLUDING SEEDING WITH FIBER BLANKET ON MOUNDS, POND BANKS, SWALES. DURATION OF EXPOSED AREAS SHALL BE KEPT MINIMAL DEPENDANT ON WEATHER. ALL POTENTIALLY IDLE AREAS SHALL INITIATE STABILIZATION ON THE SEVENTH DAY (7 DAYS) SUCH AS TEMPORARY SEEDING AND MULCH. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION PER IDEM CONSTRUCTION STORMWATER GENERAL PERMIT.
11. PERMANENT AND FINAL VEGETATION, IN ADDITION TO STRUCTURAL MEASURES, SHALL BE INSTALLED AS SOON AS PRACTICAL PER SHEETS C1.50.
12. INSTALL STORM SEWER SYSTEM, SUBSURFACE DRAINAGE SYSTEM, AND SWALES. ALL STORM SEWER INLET PROTECTION SHALL BE INSTALLED AT THE TIME EACH INLET IS CONSTRUCTED PER SHEETS C1.50.
13. CONTRACTOR SHALL INSTALL REMAINING UTILITIES AND RE–SEED ALL DISTURBED AREAS.
14. INSTALL LOT SPECIFIC BMPs INCLUDING WASTE RECEPTACLES, CURB LINE BMPs, WASHOUTS, AND STABILIZED ENTRANCES.
15. INSTALL BUILDING (VERTICAL) CONSTRUCTION CONCRETE WASHOUT. DEVELOPER PROJECT MANAGER TO ORDER PREFABRICATED CONCRETE WASHOUT LOW PROFILE DUMPSTER FROM "CONSTRUCTION WASTE" COMPANY AND PROVIDE DIRECTION ON LOCATION FOR INSTALLATION. SEE DETAIL THIS SHEET.
16. BUILDING FOUNDATION EXCAVATIONS.
17. VERTICAL CONSTRUCTION AND BUILDING.
18. INSTALL PERMANENT OR TEMPORARY SOIL STABILIZATION AND LANDSCAPING.
19. CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION AND UNTIL SEDIMENTATION OF STREETS AND STORM SEWERS NO LONGER OCCURS. CONTRACTOR SHALL INSPECT ON A WEEKLY BASIS OR AFTER A SIGNIFICANT STORM EVENT (AN EVENT OF AT LEAST 0.5 INCHES OF RAINFALL). SEE SHEETS C8.00–C8.01 FOR DETAILS AND SPECIFICATIONS.
20. COMPLETE FINAL GRADING AND INSTALL SEEDING AND LANDSCAPING. STABILIZE ALL REMAINING EXPOSED AREAS AS A RESULT OF CONSTRUCTION RELATED ACTIVITIES.
21. ALL EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH IDEM CONSTRUCTION STORMWATER GENERAL PERMIT.

B13 EROSION AND SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS
N/A

B14 MATERIAL HANDLING AND SPILL PREVENTION PLAN

MATERIAL HANDLING:

1. THE PROPER MANAGEMENT AND DISPOSAL OF WASTE SHOULD BE PRACTICED ON SITE AT ALL TIMES TO REDUCE POLLUTION OF STORM WATER RUNOFF. HAZARDOUS WASTE SHOULD ALWAYS BE DISPOSED OF THROUGH A DESIGNATED HAZARDOUS WASTE MANAGEMENT OR RECYCLING FACILITY.
2. DESIGNATE A WASTE COLLECTION AREA ON–SITE THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY INTO A WATER BODY.
3. KEEP PRODUCTS IN ORIGINAL CONTAINERS WITH ORIGINAL LABELS AND MATERIAL SAFETY DATA INFORMATION ATTACHED. MAKE SURE PRODUCTS ARE PROPERLY SEALED TO PREVENT LEAKS AND SPILLS AND STORED IN A WEATHER PROOF SELF CONTAINED AREA AWAY FROM HEAT, SPARKS AND FLAMES.
4. A PROGRAM FOR RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT SITE SHALL BE ESTABLISHED BY THE CONTRACTOR. ALL RECYCLING CONTAINERS SHALL BE CLEARLY LABELED.
5. ALL CONSTRUCTION ACTIVITIES ARE TO BE MONITORED AND MAINTAINED BY THE CONTRACTOR. AS EACH NEW SUBCONTRACTOR COMES ON–SITE, THE CONTRACTOR WILL CONDUCT AND DOCUMENT A MEETING TO ENSURE AWARENESS OF THE POLLUTANT PREVENTION PROGRAM. GUIDELINES FOR PROPER HANDLING, STORAGE AND DISPOSAL OF CONSTRUCTION SITE WASTES SHALL BE POSTED IN THE STORAGE AND USE AREAS, AND WORKERS SHALL BE TRAINED IN THESE PRACTICES.
6. CONTAINERS AND EQUIPMENT MUST BE INSPECTED REGULARLY FOR LEAKS, CORROSION, SUPPORT OR FOUNDATION FAILURE, OR ANY OTHER SIGNS OF DETERIORATION AND MUST BE TESTED FOR SOUNDNESS. ANY FOUND TO BE DEFECTIVE SHOULD BE REPAIRED OR REPLACED IMMEDIATELY.

SPILL PREVENTION PLAN:

PURPOSE:
THE INTENTION OF THIS SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) IS TO ESTABLISH THE PROCEDURES AND EQUIPMENT REQUIRED TO PREVENT THE DISCHARGE OF OIL AND HAZARDOUS SUBSTANCES IN QUANTITIES THAT VIOLATE APPLICABLE WATER QUALITY STANDARDS, CAUSE A SHEEN UPON OR DISCOLORATION OF THE SURFACE OF NAVIGABLE WATERS OR ADJOINING SHORELINES, OR CAUSE SLUDGE OR EMULSION TO BE DEPOSITED BENEATH THE SURFACE OF THE WATER OR ADJOINING SHORELINES. THE PLAN ALSO ESTABLISHES THE ACTIVITIES REQUIRED TO MITIGATE SUCH DISCHARGES (I.E., COUNTERMEASURES) SHOULD THEY OCCUR.

DEFINITIONS:
POLLUTANT: MEANS POLLUTANT OF ANY KIND OR IN ANY FORM, INCLUDING BUT NOT LIMITED TO SEDIMENT, PAINT, CLEANING AGENT, CONCRETE WASHOUT, PESTICIDES, NUTRIENTS, TRASH, HYDRAULIC FLUIDS, FUEL, OIL, PETROLEUM, FUEL OIL, SLUDGE, OIL REFUSE, AND OIL MIXED WITH WASTES OTHER THAN DREDGED SOIL.

DISCHARGE:
INCLUDES BUT IS NOT LIMITED TO, ANY SPILLING, LEAKING, PUMPING, POURING, EMITTING, EMPTYING, OR DUMPING.

NAVIGABLE WATERS:
MEANS ALL WATERS OF THE UNITED STATES THAT ARE CONNECTED WITH A NAVIGABLE STREAM, LAKE, OR SEA. [NOTE: THIS DEFINITION IS USUALLY INTERPRETED TO MEAN ANY WASTEWATER (EVEN NORMALLY DRY WASH OR STORM SEWER) THAT EVENTUALLY DRAINS INTO A NAVIGABLE STREAM].

PLAN REVIEW AND AMENDMENTS:
THIS PLAN SHALL BE REVIEWED AND/OR AMENDED, IF NECESSARY, WHENEVER THERE IS A CHANGE IN THE DESIGN OF THE SITE, CONSTRUCTION, OPERATION, OR MAINTENANCE WHICH MATERIALLY AFFECTS THE SITE'S POTENTIAL FOR THE DISCHARGE OF REGULATED MATERIAL.

PREDICTION OF POTENTIAL SPILLS:

1. NEAREST NAVIGABLE WATER: EAST LAKE
2. DRAINAGE SYSTEM: ALL STORM DRAINAGE LEAVES THE SITE THROUGH PROPOSED STORM SEWER THAT OUTLETS TO THE EXISTING DRAINAGE DITCH SOUTHWEST OF THE DEVELOPMENT.
3. POSSIBLE SPILL SOURCES (DURING AND POST CONSTRUCTION): VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, GREASE, ANTIFREEZE; TRASH AND DEBRIS, BIOLOGICAL AGENTS FOUND IN TRASH AND DEBRIS, FERTILIZERS, HOUSEHOLD ITEMS INCLUDING BUT NOT LIMITED TO CLEANING AGENTS, CHEMICALS, PAINT, HERBICIDES AND PESTICIDES.
4. GROUNDWATER CONTAMINATION:

THE FACILITY MAINTAINS NO ABOVE GROUND OR UNDER GROUND STORAGE TANKS AT THIS SITE. THEREFORE, IT IS FELT THAT THERE IS LITTLE OR NO POSSIBILITY OF POST CONSTRUCTION GROUNDWATER CONTAMINATION. THE FACILITY DOES HAVE PUBLIC SANITARY SEWER AND PUBLIC WATER.

ALERT PROCEDURES FOR SPILLS:

1. ANY PERSONNEL OBSERVING A SPILL WILL IMMEDIATELY INSTIGATE THE FOLLOWING PROCEDURE:

A. DIALING "911" FROM ANY TELEPHONE.
B. NOTIFY THE APPROPRIATE EMERGENCY PERSONNEL.

2. THE EMERGENCY COORDINATOR WILL THEN TAKE THE FOLLOWING ACTIONS:

A. BARRICADE THE AREA ALLOWNG NO VEHICLES TO ENTER OR LEAVE THE SPILL ZONE.
B. NOTIFY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF EMERGENCY RESPONSE BY CALLING THE APPROPRIATE TELEPHONE NUMBER:
OFFICE 317–233–7745
TOLL FREE 800–233–7745
ALSO THE NATIONAL RESPONSE CENTER AT 800–424–8802 AND PROVIDE THE FOLLOWING INFORMATION:
— TIME OF OBSERVATION OF THE SPILL
— LOCATION OF THE SPILL
— IDENTITY OF MATERIAL SPILLED
— PROBABLE SOURCE OF THE SPILL
— PROBABLE TIME OF THE SPILL
— VOLUME OF THE SPILL AND DURATION
— PRESENT AND ANTICIPATED MOVEMENT OF THE SPILL
— WEATHER CONDITIONS
— PERSONNEL AT THE SCENE
— ACTION INITIATED BY PERSONNEL
C. NOTIFY THE NINEVAH FIRE DEPARTMENT PHONE: (317) 933–2567
D. NOTIFY THE PRINCES LAKE POLICE DEPARTMENT PHONE: (317) 933–3517
E. NOTIFY WASTE RECOVERY CONTRACTOR, MAINTENANCE PERSONNEL OR OTHER CONTRACTUAL PERSONNEL AS NECESSARY FOR CLEANUP.
F. COORDINATE AND MONITOR CLEANUP UNTIL THE SITUATION HAS BEEN STABILIZE AND ALL SPILLS HAVE BEEN ELIMINATED.
G. COOPERATE WITH THE IDEM–OER ON PROCEDURES AND REPORTS INVOLVED WITH THE EVENT.

CLEANUP PARAMETERS:

1. THE DEVELOPER SHALL BE CONTINUALLY KEPT INFORMED, MAINTAIN LISTS OF QUALIFIED CONTRACTORS AND AVAILABLE VAC–TRUCKS, TANK PUMPERS AND OTHER EQUIPMENT READILY ACCESSIBLE FOR CLEAN–UP OPERATIONS. IN ADDITION, A CONTINUALLY UPDATED LIST OF AVAILABLE ABSORBENT MATERIALS AND CLEAN–UP SUPPLIES SHOULD BE KEPT ON SITE.
2. ALL MAINTENANCE PERSONNEL WILL BE MADE AWARE OF TECHNIQUES FOR PREVENTION AND CONTAINMENT OF SPILLS. THEY WILL BE INFORMED OF THE REQUIREMENTS AND PROCEDURES OUTLINED IN THIS PLAN. THEY WILL BE KEPT ABREAST OF CURRENT DEVELOPMENTS OR NEW INFORMATION ON THE PREVENTION OF SPILLS AND/OR NECESSARY ALTERATIONS TO THIS PLAN.
3. IF SPILLS OCCUR WHICH COULD ENDANGER HUMAN LIFE, THIS BECOMES THE PRIMARY CONCERN. THE DISCHARGE OF THE LIFE SAVING PROTECTION FUNCTION WILL BE CARRIED OUT BY THE LOCAL POLICE AND FIRE DEPARTMENTS.
4. ABSORBENT MATERIALS, WHICH ARE USED IN CLEANING UP SPILLED MATERIALS, WILL BE DISPOSED OF IN A MANNER SUBJECT TO THE APPROVAL OF THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
5. FLUSHING OF SPILLED MATERIAL WITH WATER WILL NOT BE PERMITTED UNLESS SO AUTHORIZED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

B15 MATERIAL HANDLING AND STORAGE PROCEDURES ASSOCIATED WITH CONSTRUCTION ACTIVITY

VEHICLE & EQUIPMENT MAINTENANCE

DESCRIPTION AND PURPOSE:
PREVENT OR REDUCE THE CONTAMINATION OF STORMWATER RESULTING FROM VEHICLE AND EQUIPMENT MAINTENANCE BY RUNNING A "DRY AND CLEAN SITE". THE BEST OPTION WOULD BE TO PERFORM MAINTENANCE ACTIVITIES AT AN OFFSITE FACILITY. IF THIS OPTION IS NOT AVAILABLE THEN WORK SHOULD BE PERFORMED IN DESIGNATED AREAS ONLY, WHILE PROVIDING COVER FOR MATERIALS STORED OUTSIDE, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.

SUITABLE APPLICATIONS:
THESE PROCEDURES ARE SUITABLE ON ALL CONSTRUCTION PROJECTS WHERE AN ONSITE YARD AREA IS NECESSARY FOR STORAGE AND MAINTENANCE OF HEAVY EQUIPMENT AND VEHICLES.

LIMITATIONS:
ONSITE VEHICLE AND EQUIPMENT MAINTENANCE SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR MAINTENANCE AND REPAIR. SENDING VEHICLES/EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT. OUTDOOR VEHICLE OR EQUIPMENT MAINTENANCE IS A POTENTIALLY SIGNIFICANT SOURCE OF STORMWATER POLLUTION. ACTIVITIES THAT CAN CONTAMINATE STORMWATER INCLUDE ENGINE REPAIR AND SERVICE, CHANGING OR REPLACEMENT OF FLUIDS, AND OUTDOOR EQUIPMENT STORAGE AND PARKING (ENGINE FLUID LEAKS).

IMPLEMENTATION:
IF MAINTENANCE MUST OCCUR ONSITE, USE DESIGNATED AREAS, LOCATED AWAY FROM DRAINAGE COURSES. DEDICATED MAINTENANCE AREAS SHOULD BE PROTECTED FROM STORMWATER RUNON AND RUNOFF, AND SHOULD BE LOCATED AT LEAST 50 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.

DRIP PANS OR ABSORBENT PADS SHOULD BE USED DURING VEHICLE AND EQUIPMENT MAINTENANCE WORK THAT INVOLVES FLUIDS, UNLESS THE MAINTENANCE WORK IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED MAINTENANCE AREA.

PLACE A STOCKPILE OF SPILL CLEANUP MATERIALS WHERE IT WILL BE READILY ACCESSIBLE.

ALL FUELING TRUCKS AND FUELING AREAS ARE REQUIRED TO HAVE SPILL KITS AND/OR USE OTHER SPILL PROTECTION DEVICES.

USE ABSORBENT MATERIALS ON SMALL SPILLS. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.

INSPECT ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS, AND REPAIR IMMEDIATELY, OR REMOVE FROM SITE.

KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD–UP OF OIL AND GREASE. SEGREGATE AND RECYCLE WASTES, SUCH AS GREASES, USED OIL OR OIL FILTERS, ANTIFREEZE, CLEANING SOLUTIONS, AUTOMOTIVE BATTERIES, HYDRAULIC AND TRANSMISSION FLUIDS. PROVIDE SECONDARY CONTAINMENT AND COVERS FOR THESE MATERIALS IF STORED ONSITE.

TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER MAINTENANCE AND SPILL CLEANUP PROCEDURES. PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS, AND SPILL CLEANUP MATERIALS.

DO NOT PLACE USED OIL IN A DUMPSTER OR POUR INTO A STORM DRAIN OR WATERCOURSE.

PROPERLY DISPOSE OF OR RECYCLE USED BATTERIES.

DO NOT BURY USED TIRES.

REPAIR LEAKS OF FLUIDS AND OIL IMMEDIATELY.

KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.

MAINTAIN WASTE FLUID CONTAINERS IN LEAK PROOF CONDITION.

REVISIONS

DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA

STORMWATER POLLUTION PREVENTION NOTES

ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY	JOB NUMBER 2501–735–A
MJ	
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	

SHEET

C8.00

STORMWATER POLLUTION PREVENTION NOTES

© 2026

VEHICLE AND EQUIPMENT FUELING
DESCRIPTION AND PURPOSE
VEHICLE EQUIPMENT FUELING PROCEDURES AND PRACTICES ARE DESIGNED TO PREVENT FUEL SPILLS AND LEAKS AND REDUCE OR ELIMINATE CONTAMINATION OF STORMWATER. THIS CAN BE ACCOMPLISHED BY USING OFFSITE FACILITIES, FUELING IN DESIGNATED AREAS ONLY, ENCLOSING OR COVERING STORED FUEL, IMPLEMENTING SPILL CONTROLS, AND TRAINING EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING PROCEDURES.

LIMITATIONS
ONSITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. SENDING VEHICLES AND EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.

IMPLEMENTATION
USE OFFSITE FUELING STATIONS AS MUCH AS POSSIBLE. THESE BUSINESSES ARE BETTER EQUIPPED TO HANDLE FUEL AND SPILLS PROPERLY. PERFORMING THIS WORK OFFSITE CAN ALSO BE ECONOMICAL BY ELIMINATING THE NEED FOR A SEPARATE FUELING AREA AT A SITE.

DISCOURAGE "TOPPING OFF" OF FUEL TANKS.

ABSORBENT SPILL CLEANUP MATERIALS AND SPILL KITS SHOULD BE AVAILABLE IN FUELING AREAS AND ON FUELING TRUCKS AND SHOULD BE DISPOSED OF PROPERLY AFTER USE.

DRIP PANS OR ABSORBENT PADS SHOULD BE USED DURING VEHICLE AND EQUIPMENT FUELING, UNLESS THE FUELING IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED FUELING AREA.

USE ABSORBENT MATERIALS ON SMALL SPILLS. DO NOT HOSE DOWN OR BURY THE SPILL. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.

AVOID MOBILE FUELING OF MOBILE CONSTRUCTION EQUIPMENT AROUND THE SITE; RATHER, TRANSPORT THE EQUIPMENT TO DESIGNATED FUELING AREAS.

TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING AND CLEANUP PROCEDURES.

DEDICATED FUELING AREAS SHOULD BE PROTECTED FROM STORMWATER RUNON AND RUNOFF AND SHOULD BE LOCATED AT LEAST 50 FT AWAY FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES. FUELING MUST BE PERFORMED ON LEVEL GRADE AREAS.

PROTECT FUELING AREAS WITH BERMS AND DIKES TO PREVENT RUNON, RUNOFF, AND TO CONTAIN SPILLS.

NOZZLES USED IN VEHICLE AND EQUIPMENT FUELING SHOULD BE EQUIPPED WITH AN AUTOMATIC SHUTOFF TO CONTROL DRIPS. FUELING OPERATIONS SHOULD NOT BE LEFT UNATTENDED.

FEDERAL, STATE, AND LOCAL REQUIREMENTS SHOULD BE OBSERVED FOR ANY STATIONARY ABOVE GROUND STORAGE TANKS.

VEHICLES AND EQUIPMENT SHOULD BE INSPECTED EACH DAY OF USE FOR LEAKS. LEAKS SHOULD BE REPAIRED IMMEDIATELY, OR PROBLEM VEHICLES OR EQUIPMENT SHOULD BE REMOVED FROM THE PROJECT SITE.

KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.

IMMEDIATELY CLEAN UP SPILLS AND PROPERLY DISPOSE OF CONTAMINATED SOIL AND CLEANUP MATERIALS.

CONCRETE WASHOUT
THE FOLLOWING STEPS WILL HELP REDUCE STORMWATER POLLUTION FROM CONCRETE WASTES:
DISCUSS THE CONCRETE MANAGEMENT TECHNIQUES DESCRIBED IN THIS BMP (SUCH AS HANDLING OF CONCRETE WASTE AND WASHOUT) WITH THE READY MIX CONCRETE SUPPLIER BEFORE ANY DELIVERIES ARE MADE.

INCORPORATE REQUIREMENTS FOR CONCRETE WASTE MANAGEMENT INTO MATERIAL SUPPLIES AND SUBCONTRACTOR AGREEMENTS.

STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.

AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE.

PERFORM WASHOUT OF CONCRETE TRUCKS OFFSITE OR IN DESIGNATED AREAS ONLY.

DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.

DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ONSITE, EXCEPT IN DESIGNATED AREAS.
FOR ONSITE WASHOUT:
- LOCATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
- WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED PROPERLY.
- AVOID CREATING RUNOFF BY DRAINING WATER TO A BERMED OR LEVEL AREA WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE.
- DO NOT WASH SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET OR STORM DRAIN. COLLECT AND RETURN SWEEPINGS TO AGGREGATE BASE STOCKPILE OR DISPOSE IN THE TRASH.

SOLID WASTE MANAGEMENT
DESCRIPTION AND PURPOSE
SOLID WASTE MANAGEMENT PROCEDURES AND PRACTICES ARE DESIGNED TO PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM SOLID OR CONSTRUCTION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS, ARRANGING FOR REGULAR DISPOSAL, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

SUITABLE APPLICATIONS
THIS BMP IS SUITABLE FOR CONSTRUCTION SITES WHERE THE FOLLOWING WASTES ARE GENERATED OR STORED:
SOLID WASTE GENERATED FROM TREES AND SHRUBS REMOVED DURING LAND CLEARING, DEMOLITION OF EXISTING STRUCTURES (RUBBLE), AND BUILDING CONSTRUCTION.

PACKAGING MATERIALS INCLUDING WOOD, PAPER, AND PLASTIC.
SCRAP OR SURPLUS BUILDING MATERIALS INCLUDING SCRAP METALS, RUBBER, PLASTIC, GLASS PIECES AND MASONRY PRODUCTS.

DOMESTIC WASTES INCLUDING FOOD CONTAINERS SUCH AS BEVERAGE CANS, COFFEE CUPS, PAPER BAGS, PLASTIC WRAPPERS, AND CIGARETTES.

CONSTRUCTION WASTES INCLUDING BRICK, MORTAR, TIMBER, STEEL AND METAL SCRAPS, PIPE AND ELECTRICAL CUTTINGS, NONHAZARDOUS EQUIPMENT PARTS, STYROFOAM AND OTHER MATERIALS FROM TRANSPORT AND PACKAGE CONSTRUCTION MATERIALS

IMPLEMENTATION
SELECT DESIGNATED WASTE COLLECTION AREAS ONSITE.

INFORM CONTRACTORS THAT YOU WILL ACCEPT ONLY WATERTIGHT DUMPSTERS FOR ONSITE USE.

INSPECT DUMPSTERS FOR LEAKS AND REPAIR ANY DUMPSTER THAT IS NOT WATERTIGHT.

PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER THE CONTAINER TO KEEP RAIN OUT OR TO PREVENT LOSS OF WASTES WHEN IT IS WINDY.

PLAN FOR ADDITIONAL CONTAINERS AND MORE FREQUENT PICKUP DURING THE DEMOLITION PHASE OF CONSTRUCTION.

COLLECT SITE TRASH DAILY, ESPECIALLY DURING RAINY AND WINDY CONDITIONS.

REMOVE THIS SOLID WASTE PROMPTLY SINCE EROSION AND SEDIMENT CONTROL DEVICES TEND TO COLLECT LITTER.

MAKE SURE THAT TOXIC LIQUID WASTES (USED OILS, SOLVENTS, AND PAINTS) AND CHEMICALS (ACIDS, PESTICIDES, ADDITIVES, CURING COMPOUNDS) ARE NOT DISPOSED OF IN DUMPSTERS DESIGNATED FOR CONSTRUCTION DEBRIS.

DO NOT HOSE OUT DUMPSTERS ON THE CONSTRUCTION SITE. LEAVE DUMPSTER CLEANING TO THE TRASH HAULING CONTRACTOR.

ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW.

CLEAN UP IMMEDIATELY IF A CONTAINER DOES SPILL.
MAKE SURE THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.

INCORPORATE REQUIREMENTS FOR SOLID WASTE MANAGEMENT INTO BUILDER AND SUBCONTRACTOR AGREEMENTS.

LITTERING ON THE PROJECT SITE SHOULD BE PROHIBITED.

TO PREVENT CLOGGING OF THE STORM DRAINAGE SYSTEM, LITTER AND DEBRIS REMOVAL FROM DRAINAGE GRATES, TRASH RACKS, AND DITCH LINES SHOULD BE A PRIORITY.

TRASH RECEPTACLES SHOULD BE PROVIDED IN THE CONTRACTOR'S YARD, FIELD TRAILER AREAS, AND AT LOCATIONS WHERE WORKERS CONGREGATE FOR LUNCH AND BREAK PERIODS.

LITTER FROM WORK AREAS WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT SITE SHOULD BE COLLECTED AND PLACED IN WATERTIGHT DUMPSTERS AT LEAST WEEKLY, REGARDLESS OF WHETHER THE LITTER WAS GENERATED BY THE CONTRACTOR, THE PUBLIC, OR OTHERS. COLLECTED LITTER AND DEBRIS SHOULD NOT BE PLACED IN OR NEXT TO DRAIN INLETS, STORMWATER DRAINAGE SYSTEMS, OR WATERCOURSES.

DUMPSTERS OF SUFFICIENT SIZE AND NUMBER SHOULD BE PROVIDED TO CONTAIN THE SOLID WASTE GENERATED BY THE PROJECT.

FULL DUMPSTERS SHOULD BE REMOVED FROM THE PROJECT SITE AND THE CONTENTS SHOULD BE DISPOSED OF BY THE TRASH HAULING CONTRACTOR.

CONSTRUCTION DEBRIS AND WASTE SHOULD BE REMOVED FROM THE SITE BIWEEKLY OR MORE FREQUENTLY AS NEEDED.

CONSTRUCTION MATERIAL VISIBLE TO THE PUBLIC SHOULD BE STORED OR STACKED IN AN ORDERLY MANNER.

STORMWATER RUNON SHOULD BE PREVENTED FROM CONTACTING STORED SOLID WASTE THROUGH THE USE OF BERMS, DIKES, OR OTHER TEMPORARY DIVERSION STRUCTURES OR THROUGH THE USE OF MEASURE TO ELEVATE WASTE FROM SITE SURFACES.

SOLID WASTE STORAGE AREAS SHOULD BE LOCATED AT LEAST 50 FT. FROM DRAINAGE FACILITIES AND WATERCOURSES AND SHOULD NOT BE LOCATED IN AREA PRONE TO FLOODING OR PONDING.

INSPECTION AND MAINTENANCE
INSPECT CONSTRUCTION WASTE AREA WEEKLY.
ARRANGE FOR REGULAR WASTE COLLECTION.

DEWATERING AND PUMPING OPERATIONS
DESCRIPTION AND PURPOSE
DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF POLLUTANTS WHEN NON-STORMWATER AND ACCUMULATED PRECIPITATION MUST BE REMOVED FROM A WORK LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED.

SUITABLE APPLICATIONS
THESE PRACTICES ARE IMPLEMENTED FOR DISCHARGES OF NON-STORMWATER FROM CONSTRUCTION SITES. NON-STORMWATERS INCLUDE, BUT ARE NOT LIMITED TO, GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS, AND WATERS USED DURING CONSTRUCTION ACTIVITIES THAT MUST BE REMOVED FROM A WORK AREA. PRACTICES IDENTIFIED IN THIS SECTION ARE ALSO APPROPRIATE FOR IMPLEMENTATION WHEN MANAGING THE REMOVAL OF ACCUMULATED PRECIPITATION (STORMWATER) FROM DEPRESSED AREAS AT A CONSTRUCTION SITE.

LIMITATIONS
SITE CONDITIONS WILL DICTATE DESIGN AND USE OF DEWATERING OPERATIONS. THE CONTROLS DISCUSSED IN THIS BEST MANAGEMENT PRACTICE (BMP) ADDRESS SEDIMENT ONLY. THE CONTROLS DETAILED IN THIS BMP ONLY ALLOW FOR MINIMAL SETTLING TIME FOR SEDIMENT PARTICLES. USE ONLY WHEN SITE CONDITIONS RESTRICT THE USE OF THE OTHER CONTROL METHODS. DEWATERING OPERATIONS WILL REQUIRE, AND MUST COMPLY WITH, APPLICABLE LOCAL PERMITS.

IMPLEMENTATION
DEWATERING DISCHARGES MUST NOT CAUSE EROSION AT THE DISCHARGE POINT. A VARIETY OF METHODS CAN BE USED TO TREAT WATER DURING DEWATERING OPERATIONS. SEVERAL DEVICES ARE PRESENTED BELOW AND PROVIDE OPTIONS TO ACHIEVE SEDIMENT REMOVAL. THE SIZE OF PARTICLES PRESENT IN THE SEDIMENT AND PERMIT OR RECEIVING WATER LIMITATIONS ON SEDIMENT ARE KEY CONSIDERATIONS FOR SELECTING SEDIMENT TREATMENT OPTION(S); IN SOME CASES, THE USE OF MULTIPLE DEVICES MAY BE APPROPRIATE.

SEDIMENT TRAP
DESCRIPTION
A SEDIMENT TRAP IS A TEMPORARY BASIN FORMED BY EXCAVATION AND/OR CONSTRUCTION OF AN EARTHEN EMBANKMENT ACROSS A WATERWAY OR LOW DRAINAGE AREA TO DETAIN RUNOFF AND ALLOW SEDIMENT TO SETTLE OUT BEFORE DISCHARGING. SEDIMENT TRAPS ARE GENERALLY SMALLER THAN SEDIMENT BASINS.

APPROPRIATE APPLICATIONS
EFFECTIVE FOR THE REMOVAL OF LARGE AND MEDIUM SIZED PARTICLES (SAND AND GRAVEL) AND SOME METALS THAT SETTLE OUT WITH THE SEDIMENT.

IMPLEMENTATION
EXCAVATION AND CONSTRUCTION OF RELATED FACILITIES IS REQUIRED. TRAP INLETS SHOULD BE LOCATED TO MAXIMIZE THE TRAVEL DISTANCE TO THE TRAP OUTLET. USE ROCK OR VEGETATION TO PROTECT THE TRAP OUTLETS AGAINST EROSION.

MAINTENANCE
MAINTENANCE IS REQUIRED FOR VEGETATION, EMBANKMENT, INLET AND OUTFALL STRUCTURES, AS WELL AS OTHER FEATURES. REMOVAL OF SEDIMENT IS REQUIRED WHEN THE STORAGE VOLUME IS REDUCED BY ONE THIRD.

GRAVITY BAG FILTER (DEWATERING BAG)
DESCRIPTION
A GRAVITY BAG FILTER, ALSO REFERRED TO AS A DEWATERING BAG, IS A SQUARE OR RECTANGULAR BAG MADE OF NON-WOVEN GEOTEXTILE FABRIC THAT COLLECTS SAND, SILT, AND FINES.

APPROPRIATE APPLICATIONS
EFFECTIVE FOR THE REMOVAL OF SEDIMENTS (GRAVEL, SAND, AND SILT). SOME METALS ARE REMOVED WITH THE SEDIMENT.

IMPLEMENTATION
WATER IS PUMPED INTO ONE SIDE OF THE BAG AND SEEPS THROUGH THE BOTTOM AND SIDES OF THE BAG. A SECONDARY BARRIER, SUCH AS A ROCK FILTER BED OR STRAW/HAY BALE BARRIER, IS PLACED BENEATH AND BEYOND THE EDGES OF THE BAG TO CAPTURE SEDIMENTS THAT ESCAPE THE BAG.

MAINTENANCE
INSPECTION OF THE FLOW CONDITIONS, BAG CONDITION, BAG CAPACITY, AND THE SECONDARY BARRIER IS REQUIRED. REPLACE THE BAG WHEN IT NO LONGER FILTERS SEDIMENT OR PASSES WATER AT A REASONABLE RATE. THE BAG IS DISPOSED OF OFFSITE.

SECTION C – STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POST CONSTRUCTION COMPONENT

C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE:

LEAVES, MULCH, VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, BRAKE DUST, GREASE, ANTIFREEZE, METALS, RUBBER FRAGMENTS, ROAD GRIT, SALTS AND SANDS, TRASH AND DEBRIS, FERTILIZERS, CLEANING AGENTS CHEMICALS, PAINT, ANIMAL WASTE, ELEVATED STORM RUNOFF TEMPERATURES, PESTICIDES AND PATHOGENS.

C2 DESCRIPTION OF PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES:

VEGETATED SWALES
THE VEGETATED SWALES INSTALLED DURING CONSTRUCTION WILL SLOW RUNOFF AND ACT AS A SLOWING THE RUNOFF WILL NOT ONLY ALLOW SEDIMENT TO DROP OUT, BUT LIMIT THE ABILITY FOR THE STORM WATER TO ERODE AND CARRY POLLUTANTS DOWNSTREAM.

PERMANENT SEEDING
PERMANENT SEEDING WILL BE PLACED TO ACT AS A FILTER AND TO PREVENT EROSION.

DRY DETENTION BASIN
THEY SERVE TO CONTROL THE VOLUME AND RATE OF RUNOFF. THE FACILITY REMOVES SEDIMENT. BOD ORGANIC NUTRIENTS AND TRACE METALS THROUGH THE PROCESS OF SETTLING OF POLLUTANTS. BIOLOGICAL PROCESSES OCCURRING IN THE POND AID IN REDUCING THE AMOUNT OF SOLUBLE NUTRIENTS PRESENT SUCH AS NITRATE AND PHOSPHORUS.

C3 LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF STORMWATER QUALITY MEASURES:

FOR LOCATIONS SEE PLAN SET: SHEETS C1.40 AND C1.50.
FOR DETAILS: SEE SHEET C8.02

C4 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:

REFERENCE EROSION CONTROL SEQUENCING
SEE PLAN SET: PRE-CONSTRUCTION AND POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLANS, SHEETS C8.00 –C8.01

VEGETATED SWALES
THEY WILL BE CONSTRUCTED DURING AND FOLLOWING THE MASS GRADING OF THE SITE. THEY WILL BE IMMEDIATELY STABILIZED WITH PERMANENT SEEDING AND MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN. THEY WILL PERSIST IN THE POST CONSTRUCTION PHASE AS A PERMANENT FEATURE.

PERMANENT SEEDING
PERMANENT SEEDING OF EXPOSED AREAS SHALL BE INITIATED ON THE SEVENTH (7TH) DAY AND STABILIZATION ACTIVITIES SHALL BE COMPLETED BY THE FOURTEENTH (14) DAY ONCE FINAL GRADING IS COMPLETED.

DRY DETENTION BASIN
DRY DETENTION BASIN WILL BE INITIALLY EXCAVATED AS PART OF MASS GRADING OF THE SITE. IT WILL BE USED THROUGHOUT THE CONSTRUCTION PHASE TO CONTROL SEDIMENT, THEN PERSIST INTO THE POST CONSTRUCTION PHASE AS PERMANENT FEATURES PROVIDING STORMWATER RETENTION AND SEDIMENT CONTROL.

OUTLET PROTECTION
OUTLET PROTECTION WILL BE INSTALLED AS SOON AS THE POND OUTFALL PIPE IS INSTALLED. OUTLET PROTECTION WILL PREVENT MAJOR EROSION FROM DAMAGING DOWNSTREAM CHANNELS. OUTLET PROTECTION WILL SIGNIFICANTLY REDUCE EROSION AND SEDIMENT BY REDUCING FLOW VELOCITIES.

C5 DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST CONSTRUCTION STORMWATER QUALITY MEASURES:

SEE BMP O&M MAINTENANCE MANUAL.

VEGETATED SWALES
THE VEGETATED SWALES SHOULD BE CHECKED ANNUALLY FOR ISSUES RELATED TO PERFORMANCE. DURING THIS TIME TRASH SHOULD BE REMOVED, SEED PLANTED IF NECESSARY, AND ANY EROSION PROBLEMS ADDRESSED. THE GRASS IN THE SWALE SHOULD BE KEPT AT A 3"–4" HEIGHT. MAINTENANCE ASSOCIATED WITH THE VEGETATED SWALE IS THE RESPONSIBILITY OF THE LOCAL LANDOWNER FOR INDIVIDUAL LOTS AND HOME OWNERS ASSOCIATION FOR COMMON AREAS. THE HOMEOWNERS ASSOCIATION SHOULD CONDUCT THE INSPECTION AND REMINDED HOMEOWNERS OF MAINTENANCE NEEDS.

PERMANENT SEEDING
PERMANENT SEEDING AREAS SHOULD BE CHECKED ANNUALLY FOR ISSUES RELATED TO PERFORMANCE. DURING THIS TIME PLANT SEED IF NECESSARY AND ANY EROSION PROBLEMS ADDRESSED. TRASH SHOULD BE REMOVED ON AN AS NEED BASIS. THE GRASS SHOULD BE KEPT TO A 3"–4" HEIGHT. MAINTENANCE IS THE RESPONSIBILITY OF THE LOCAL LANDOWNER FOR INDIVIDUAL LOTS AND HOME OWNERS ASSOCIATION FOR COMMON AREAS.

DRY DETENTION BASINS (PONDS)
INLETS AND OUTLETS SHOULD BE CHECKED TO MAKE SURE THEY ARE FREE OF DEBRIS. THE DRY PONDS SHOULD BE CHECKED SEMIANNUALLY TO ENSURE PROPER PERFORMANCE. BANKS SHOULD BE CHECKED FOR EROSION, AND REPAIRED IF NECESSARY. SEDIMENT SHOULD BE REMOVED FROM THE POOL WHEN THE ACCUMULATED SEDIMENT VOLUME EXCEEDS 20% OF THE BASIN VOLUME. MAINTENANCE SHALL BE DONE BY THE HOME OWNERS ASSOCIATION.

OUTLET PROTECTION
INSPECT OUTLET PROTECTION ON A REGULAR BASIS FOR EROSION, SEDIMENTATION, SCOUR OR UNDERCUTTING. REPAIR OR REPLACE RIPRAP, AS NECESSARY TO HANDLE DESIGN FLOWS. REMOVE TRASH, DEBRIS, GRASS, SEDIMENT OR BURROWING ANIMALS AS NEEDED. MAINTENANCE MAY BE MORE EXTENSIVE IF SMALL RIPRAP SIZES ARE USED, AS CHILDREN MAY TEMPTED TO THROW OR OTHERWISE DISPLACE STONES AND ROCKS.

C6 ENTITY THAT WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE POST-CONSTRUCTION STORMWATER MEAURES:

INITIAL: DEVELOPER
LONG-TERM: NINEVEH FIRE DEPARTMENT

SEEDING SCHEDULE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY SEEDING DATES												
WHEAT OATS OR RYE												
PERENNIAL RYGRASS												
DORMANT SEEDING	INCREASE APPLICATION RATES 50% FOR DORMANT SEEDING											
PERMANENT SEEDING DATES												
NON-IRRIGATED												
IRRIGATED												
DORMANT SEEDING	INCREASE APPLICATION RATES 50% FOR DORMANT SEEDING											

NOTES:
1. PERMANENT SEEDING INFORMATION SHOWN ON THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY. IF THE LANDSCAPING PLANS AND SPECIFICATIONS CONTAIN INFORMATION CONCERNING PERMANENT LAWN SEEDING AND/OR SODDING, THEN THAT INFORMATION SHALL SUPERSEDE SIMILAR INFORMATION INDICATED ON THIS SHEET.
2. AREAS TO BE SEEDED SHALL BE SMOOTH AND UNIFORM AND SHALL BE IN ACCORDANCE WITH THE FINISHED GRADE AND CROSS SECTION SHOWN ON THE PLANS.
3. AREAS TO BE SEEDED SHALL HAVE A MINIMUM TOPSOIL DEPTH OF 6 INCHES. LIGHTLY COMPACT PLACED TOPSOIL BY ROLLING OR TAMPING.
4. PRIOR TO REPLACING TOPSOIL, LOOSEN SUBSOIL TO ENSURE GOOD BOND WITH TOPSOIL.
5. APPLY SEEDING WITH 800 LB/ACRE OF 12-12-12 FERTILIZER AND MULCH WITH A CONTINUOUS BLANKET OF STRAW AT A RATE OF 2 TONS/ACRE, OR USE HYDROSEEDING TECHNIQUES WITH EQUIVALENT APPLICATION RATES.
6. APPLY TEMPORARY SEEDING WITH 200 LB/ACRE OF 12-12-12 FERTILIZER AND MULCH WITH A CONTINUOUS BLANKET OF STRAW AT A RATE OF 2 TONS/ACRE, OR USE HYDROSEEDING TECHNIQUES WITH EQUIVALENT APPLICATION RATES.
7. ON SLOPES GRADED AT 3:1 OR STEEPER, STRAW MULCH SHALL BE HELD IN PLACE WITH POLYMERIC PLASTIC NET TACKED WITH WIRE STAPLES, OR EQUIVALENT METHOD.
8. SEED MIXTURES AND APPLICATION RATES:
   GRASS MIX APPLIED AT 170 LB/ACRE (4 LB/1000 SQ.FT.) COMPRISED OF THE FOLLOWING:
   - KENTUCKY 31 FESCUE – 95 LB/ACRE
   - PERENNIAL RYEGRASS – 65 LB/ACRE
   - JASPER RED FESCUE – 10 LB/ACRE

STORMWATER POLLUTION PREVENTION PLAN IS IN COMPLIANCE WITH THE REQUIREMENTS OF IDEM CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP)

Plot Date: May 13, 2026 Plot Time: 4:04pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A SWPP Notes & Details.dwg, Layout: C8.01 SWPP NOTES By: amcdaniel

REVISIONS

DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA

STORMWATER POLLUTION PREVENTION NOTES

ALEXANDER K. MCDANIEL — REGISTERED — No. PE12300515 — STATE OF INDIANA — PROFESSIONAL ENGINEER

Alexander K. McDaniel

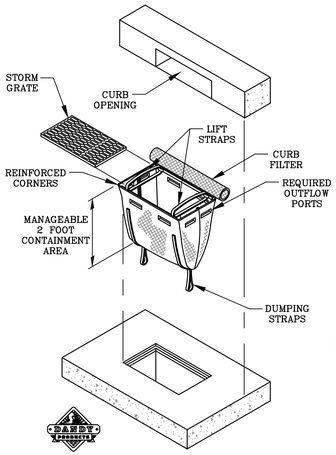
DRAWN BY: MJ	JOB NUMBER: 2501-735-A
CHECKED BY: AM	
DATE: MAY 14, 2026	
SCALE: AS SHOWN	

SHEET
C8.01
STORMWATER POLLUTION PREVENTION NOTES

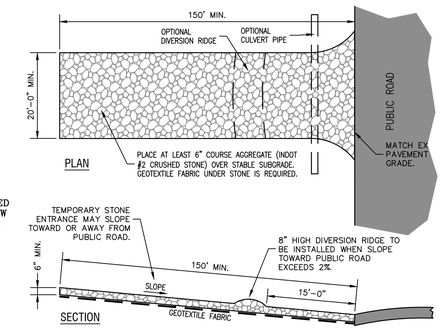
© 2026

Plot Date: May 13, 2026 Plot Time: 4:04pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A SWPP Notes & Details.dwg, Layout: C8.02 SWPP DETAILS By: amcdaniel

DANDY CURB SACK™



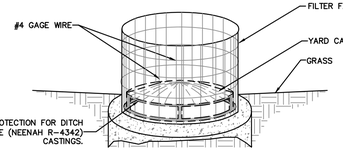
CURB INLET PROTECTION DETAIL
NOT-TO-SCALE



PRACTICE 3.01 – TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

MAINTENANCE REQUIREMENTS:
1. INSPECT ENTRANCE PAD WEEKLY, AFTER STORM EVENTS, AND AFTER HEAVY USE. RESHAPE PAD AS NEEDED TO MAINTAIN DRAINAGE AND RUNOFF CONTROL.
2. TOP DRESS WITH STONE TO MAINTAIN 6" CLEAN DEPTH THROUGHOUT ENTRANCE.
3. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD. CLEAN BY SCRAPING OR SWEEPING ONLY. DO NOT FLUSH WITH WATER UNLESS SEDIMENT TRAP IS INSTALLED IN ROADWAY DRAINAGE IMPROVEMENTS.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
NOT-TO-SCALE

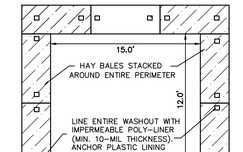


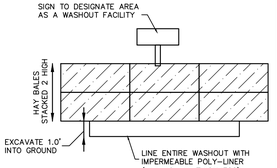
MAINTENANCE
1. INSPECT THE DROP INLET PROTECTION AFTER EACH STORM EVENT, AND MAKE NEEDED REPAIRS IMMEDIATELY.
2. REMOVE SEDIMENT FROM THE POOL AREA TO ENSURE ADEQUATE RUNOFF STORAGE FOR THE NEXT RAIN.
3. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ALL BARRELS, CONSTRUCTION MATERIAL, AND SEDIMENT AND DISPOSE OF PROPERLY, GRADE THE DISTURBED AREA TO THE ELEVATION OF THE TOP OF THE INLET AND STABILIZE.

Drop Inlet Protection Basket

It is the intent of this device to detain water for the purpose of allowing suspended solids in the water to settle out before the water enters the storm structure. Some filtering will occur as water passes through the device.
The bottom of this device is to seal against the flat outer part of the casting. The overall dimension of the basket shall be no smaller than the water inlet perforations in the casting and no larger than the outer dimensions of the casting. The height shall be 15"
The basket frame shall be welded wire mesh rolled or bent and welded to itself to fit the casting. The wire size shall be no smaller than .149" dia. and openings no larger than 18 sq in. It is important that the bottom of the wire frame be smooth so as not to allow any leakage between the basket and casting. The top of the basket shall be open to prevent flooding during heavy storm events.
Fabric shall be woven polypropylene allowing 15-25gal/min/sq in. If non-woven fabric is used, the maintenance intervals should be increased to replace silt laden fabric. The fabric shall be attached to the frame and folded under the bottom to help seal against the casting.
This device should be used in conjunction with other Best Management Practices to maximize the efficiency of the erosion control plan.
Suppliers for this product include: Lakeside Supply Inc. (317) 281-2661, Turfgrass Inc (317) 894-3276.

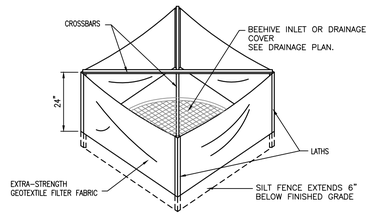
BEEHIVE PROTECTION DETAIL
NOT-TO-SCALE





NOTE: FACILITY TO BE LOCATED AWAY FROM STREAMS, PONDS, OR OTHER DRAINAGE WAYS.

CONCRETE WASHOUT DETAIL
NOT-TO-SCALE



INLET PROTECTION

DANDY CURB SACK™ SPECIFICATIONS

NOTE: THE DANDY CURB SACK™ WILL BE **MANUFACTURED IN THE U.S.A.** FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

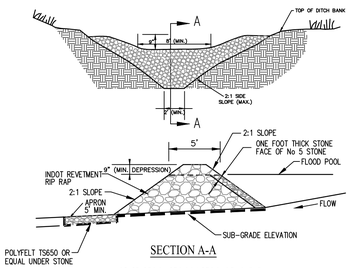
REGULAR FLOW DANDY CURB SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m²(gal/min/ft²)	2852 (70)
Permittivity	ASTM D 4491	Sec-1	0.80

HI-FLOW DANDY CURB SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m²(gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec-1	2.1

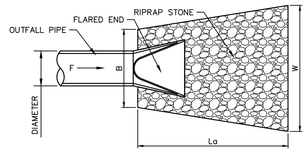
*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows



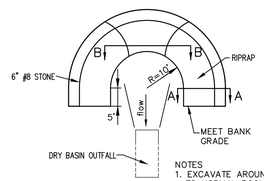
ROCK CHECK DAM
NOT TO SCALE

ROCK CHECK DAM

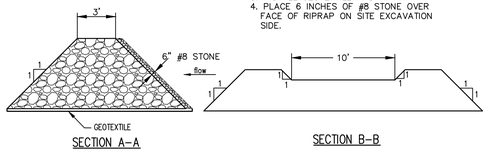
MAINTENANCE REQUIREMENTS:
- INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, INSTALL AN EROSION-RESISTANT LINER IN THAT PORTION OF THE CHANNEL.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE DAM TO MAINTAIN CHANNEL CAPACITY, ALLOW DRAINAGE THROUGH THE DAM, AND PREVENT LARGE FLOW FROM DISPLACING SEDIMENT.
- ADD RIPRAP AND AGGREGATE AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION OF THE DAMS.
- WHEN DAMS ARE NO LONGER NEEDED, REMOVE THE RIPRAP AND AGGREGATE AND STABILIZE THE CHANNEL, USING AN EROSION-RESISTANT LINING IF NECESSARY. (RIPRAP AND AGGREGATE FROM THE DAME MAY BE REMOVED OR UTILIZED TO STABILIZE THE CHANNEL)



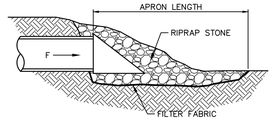
SIZE	B(ft)	La(ft)	W(ft)	Thickness(in)
18"	4.5	10	14.5	12"
24"	6.0	13	19.0	12"
30"	7.5	16	23.5	12"
36"	9	20	29	12"
42"	10.5	23	34.5	12"



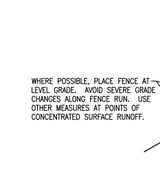
NOTES
1. EXCAVATE AROUND ROCK DAM FACE TO NORMAL POOL ELEVATION.
2. REMOVE ANY EXISTING FIELD TILE.
3. INSTALL GEOTEXTILE AND RIPRAP.
4. PLACE 6 INCHES OF #8 STONE OVER FACE OF RIPRAP ON SITE EXCAVATION SIDE.



ROCK HORSESHOE DAM
NOT TO SCALE



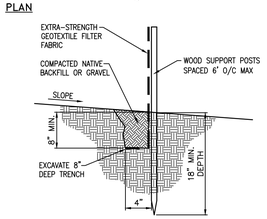
RIP-RAP PLACEMENT
NOT TO SCALE



NOTE:
1. SILT FENCE SHALL BE PREASSEMBLED BY SUPPLIER.

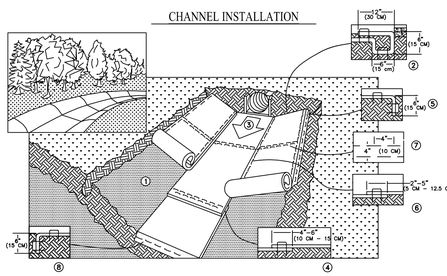
PRACTICE 3.74 – SILT FENCE

MAINTENANCE REQUIREMENTS:
1. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT, AND MAKE NEEDED REPAIRS IMMEDIATELY. REPLACE DAMAGED OR SAGGED PORTIONS OF THE FENCE.
2. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE, OR CAUSES APPRECIABLE BULGING
3. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED; REMOVE THE FENCE AND OTHER CONSTRUCTION MATERIAL, DEPOSITED SEDIMENT, AND DISPOSE OF PROPERLY; BRING THE DISTURBED AREA TO GRADE AND STABILIZE THE AREA.



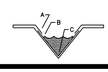
SILT FENCE
NOT TO SCALE

CHANNEL INSTALLATION



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
   NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) ACROSS THE WIDTH OF THE RECP's.
3. ROLL CENTER RECP's IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. PLACE CONSECUTIVE RECP's END OVER END (SHINGLE STYLE) WITH A 4" – 6" (10 CM –15 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER TO SECURE RECP's.
5. FULL LENGTH EDGE OF RECPS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT RECP's MUST BE OVERLAPPED APPROXIMATELY 2" – 5" (5 CM –12.5 CM) (DEPENDING ON RECP's TYPE) AND STAPLED.
7. IN HIGH FLOW CHANNELS APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 M – 12 M) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. THE TERMINAL END OF THE RECP's MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

NOTE:
* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.

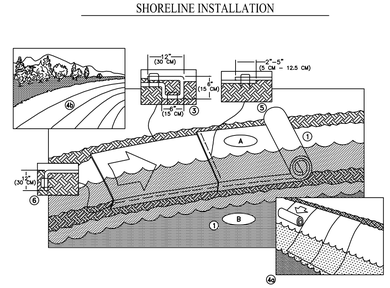


CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

NOTE:
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.

SHORELINE INSTALLATION

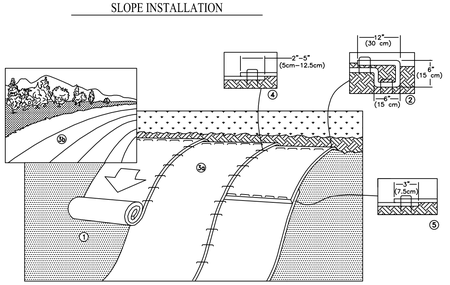


1. FOR EASIER INSTALLATION, LOWER WATER FROM LEVEL A TO LEVEL B BEFORE INSTALLATION.
2. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
   NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPERSIDE DOWN.
3. BEGIN AT THE TOP OF THE SHORELINE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BACK OVER SEED AND COMPACTED SOIL. SECURE OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
4. ROLL RECP's EITHER (A.) DOWN THE SHORELINE FOR LONG BANKS, (TOP TO BOTTOM) OR (B.) HORIZONTALLY ACROSS THE SHORELINE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
5. THE EDGES OF ALL HORIZONTAL AND VERTICAL SEAMS MUST BE STAPLED WITH APPROXIMATELY 2" – 5" (5 CM – 12.5 CM) OVERLAP.

   NOTE:
   * SEAM OVERLAP SHOULD BE SHINGLED ACCORDING TO PREDOMINANT EROSIVE ACTION.
6. THE EDGE OF THE BLANKET AT OR BELOW NORMAL WATER LEVEL MUST BE ANCHORED BY PLACING THE STAPLES/STAKES IN A 12" (30 CM) DEEP X 6" (15 CM) WIDE ANCHOR TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART IN THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING (STONE OR SOIL MAY BE USED AS BACKFILL)

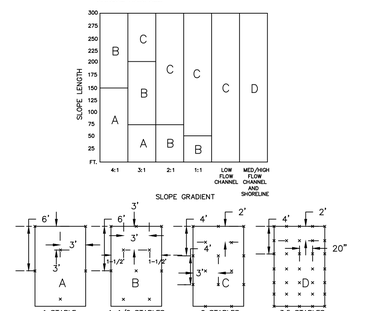
   NOTE:
   * IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP's.

SLOPE INSTALLATION



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
   NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP's.
3. ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY 2" – 5" (5 CM – 12.5 CM) OVERLAP DEPENDING ON RECP's TYPE.
5. CONSECUTIVE RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP's WIDTH.
   NOTE:
   *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS WILL VARY DEPENDING UPON SLOPE LENGTH, SLOPE GRADE, SOIL TYPE AND AVERAGE ANNUAL RAINFALL.



EROSION CONTROL BLANKET
STAPLE PATTERN GUIDE
NOT-TO-SCALE

THIS SHEET TO BE USED FOR EROSION CONTROL ONLY.

PERSON ONSITE RESPONSIBLE FOR EROSION CONTROL:
ALEXANDER K. MCDANIEL, PROJECT MANAGER
HWC ENGINEERING
135 N PENNSYLVANIA ST., SUITE 2800
INDIANAPOLIS, IN 46204
PHONE: M: (812) 363-3323
E-Mail: AMCDANIEL@HWCENGINEERING.COM

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

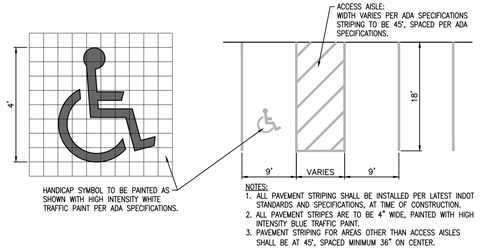
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
STORMWATER POLLUTION PREVENTION DETAILS

ALEXANDER K. MCDANIEL REGISTERED No. PE12300515 STATE OF INDIANA PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY	MJ
CHECKED BY	AM
DATE	MAY 14, 2026
SCALE	AS SHOWN
JOB NUMBER	2501-735-A
SHEET	C8.02

STORMWATER POLLUTION PREVENTION DETAILS

© 2026

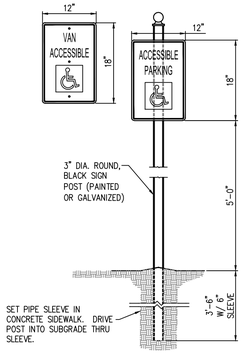


PAVEMENT MARKING DETAILS

NOT TO SCALE

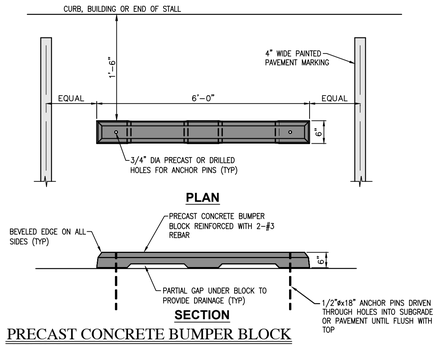
BEST MFG. CO. MODEL SS07 FOR HANDICAP PARKING AND MODEL SS57 FOR VAN ACCESSIBLE PARKING

ACCESSIBLE PARKING SIGN



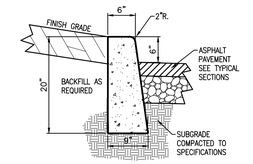
ACCESSIBLE PARKING SIGN DETAIL

NOT TO SCALE



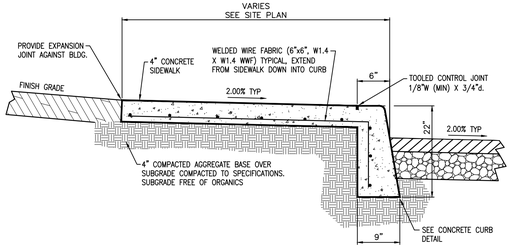
PRECAST CONCRETE BUMPER BLOCK

NOT TO SCALE



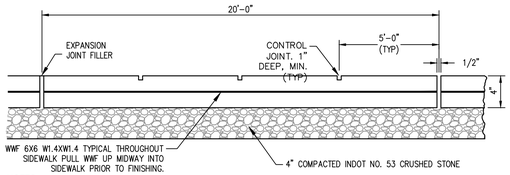
6" CONCRETE CURB

NOT TO SCALE



INTEGRAL CONCRETE CURB & SIDEWALK

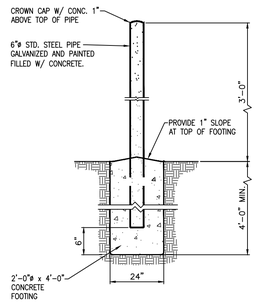
NOT TO SCALE



NOTES:
1. CONCRETE SHALL BE 4000 PSI.
2. PROVIDE 1/2" EXPANSION JOINT WITH PREMOULDED FILLER STRIP AT 20' MAX SPACING IN WALK.
3. PROVIDE 1" DEEP (MIN.) CONTROL JOINTS AT 5' ON CENTER IN WALK.
4. PROVIDE EXPANSION JOINT CONTINUOUS WHERE WALK ABUTS CONCRETE STRUCTURES.
5. PROVIDE EDGE EXPANSION JOINT AT DOOR LOCATIONS AND EDGE OF BUILDING.
6. NO. 53 CRUSHD STONE SHOULD BE COMPACTED A MINIMUM OF 98 PERCENT OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AS PER ASTM D-968.

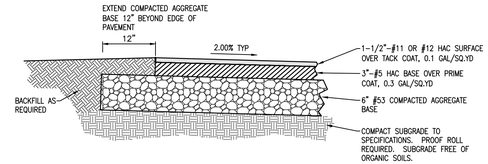
CONCRETE SIDEWALK DETAIL

NOT TO SCALE



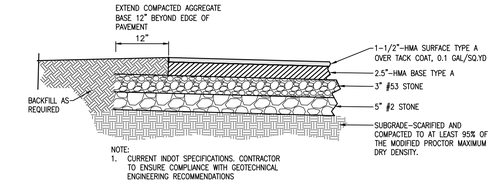
PIPE BOLLARD DETAIL

NOT TO SCALE



REGULAR DUTY ASPHALT PAVEMENT SECTION

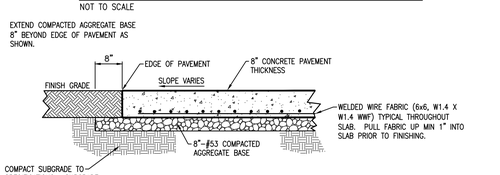
NOT TO SCALE



NOTE:
1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

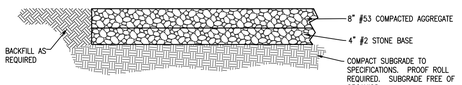
HEAVY DUTY ASPHALT PAVEMENT SECTION

NOT TO SCALE



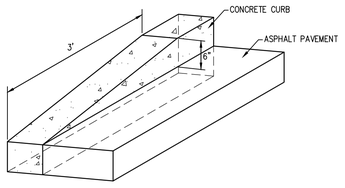
HEAVY DUTY CONCRETE PAVEMENT SECTION

NOT TO SCALE



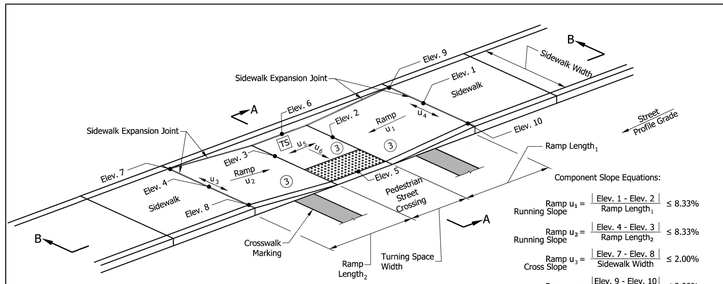
GRAVEL PAVEMENT SECTION

NOT TO SCALE



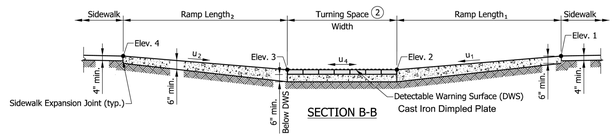
CURB TAPER DETAIL

NOT TO SCALE

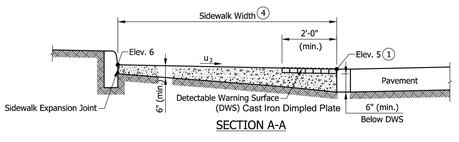


Component Slope Equations:

Ramp u_1 = Running Slope	$\frac{\lvert\text{Elev. 1 - Elev. 2}\rvert}{\text{Ramp Length}_1}$	≤ 8.33%
Ramp u_2 = Running Slope	$\frac{\lvert\text{Elev. 4 - Elev. 3}\rvert}{\text{Ramp Length}_2}$	≤ 8.33%
Ramp u_3 = Cross Slope	$\frac{\lvert\text{Elev. 7 - Elev. 8}\rvert}{\text{Sidewalk Width}}$	≤ 2.00%
Ramp u_4 = Cross Slope	$\frac{\lvert\text{Elev. 9 - Elev. 10}\rvert}{\text{Sidewalk Width}}$	≤ 2.00%
Turning Space Cross Slope u_5 =	$\frac{\lvert\text{Elev. 2 - Elev. 3}\rvert}{\text{Turning Space Width}}$	≤ 2.00% (5)
Turning Space Running Slope u_6 =	$\frac{\lvert\text{Elev. 6 - Elev. 5}\rvert}{\text{Sidewalk Width}}$	≤ 2.00%



SECTION B-B



SECTION A-A

NOTES:

(1) The bottom edge of the turning space and top of curb shall be flush with the edge of adjacent pavement and gutter line.

(2) The turning space shall have a minimum clear dimension of 4 ft x 4 ft and a running slope of 2.00% maximum. Where the turning space is constrained at the back of the sidewalk, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.

(3) Curb ramp surface shall be coarse broomed transverse to the running slope.

(4) Where there is no buffer between the sidewalk and curb, the preferred minimum sidewalk width is 6 ft. Where a buffer is placed between the sidewalk and curb, the preferred minimum sidewalk width is 5 ft. See Standard Drawing Series E 604-SDWK for sidewalk details.

(5) See Standard Drawing E 604-SWCR-01 for cross slope exceptions.

6. See Standard Drawing E 604-SWCR-12, -13, and -14 for Detectable Warning Surface placement, configuration, and details.

7. See Standard Drawing E 604-CCSJ-01 for sidewalk expansion joint details.

ALL DETECTABLE WARNING SURFACES SHALL BE DUCTILE IRON

LEGEND:

- Ramp
- Detectable Warning Surface
- TS Turning Space

INDIANA DEPARTMENT OF TRANSPORTATION

PARALLEL CURB RAMP COMPONENT DETAILS

SEPTEMBER 2018

STANDARD DRAWING NO. E 604-SWCR-08

ELIZABETH W. PHILLIPS — No. 10200124 — REGISTERED — STATE OF INDIANA — PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/29/18
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
CHIEF ENGINEER DATE

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
CONSTRUCTION DETAILS

ALEXANDER K. McDANIEL — REGISTERED — No. PE12300515 — STATE OF INDIANA — PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY MJ	JOB NUMBER 2501-735-A
CHECKED BY AM	
DATE MAY 14, 2026	
SCALE AS SHOWN	

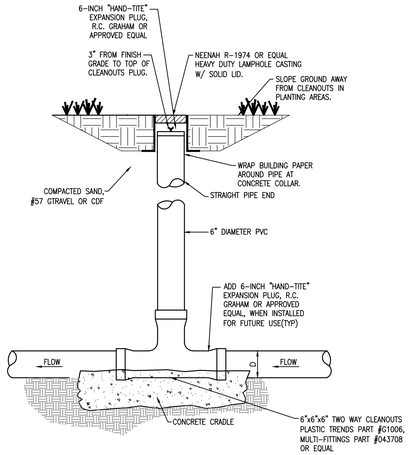
SHEET

C8.10

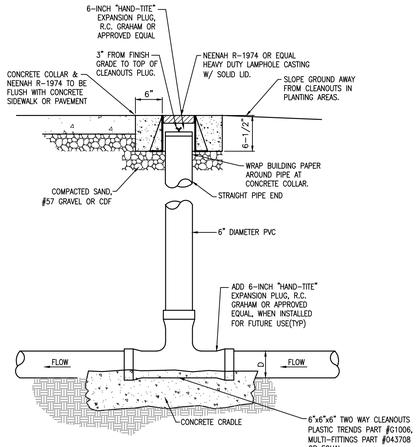
CONSTRUCTION DETAILS

© 2026

Plot Date: May 13, 2026 Plot Time: 4:05pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Construction Details.dwg, Layout: C8.10 DETAILS By: amcdaniel



NON-PAVED AREAS

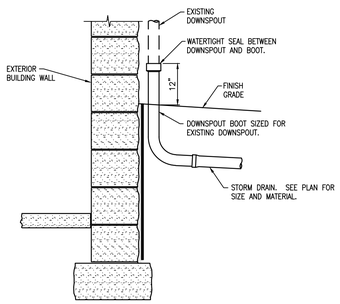


PAVED AREAS

NOTES:
ALL JOINTS SHALL BE FLEXIBLE ELECTROMETRIC SEALS, ASTM D-3212
CLEANOUTS SHALL BE PLACED EVERY 200 FEET, AND AT BENDS 45° OR GREATER

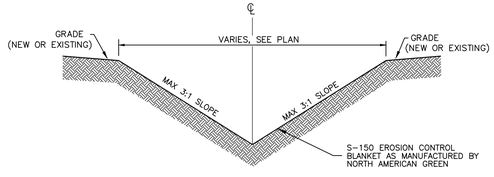
TYPICAL TWO-WAY CLEANOUT FOR BUILDING SEWERS

NOT TO SCALE



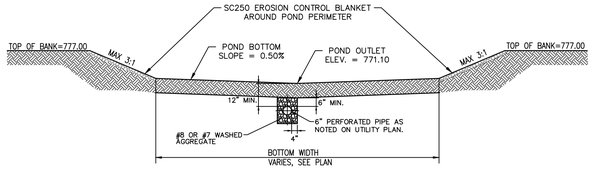
DOWNSPOUT CONNECTION DETAIL

NOT TO SCALE



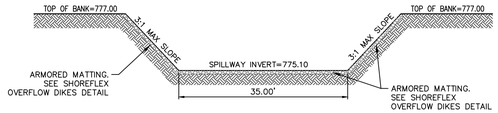
TYPICAL SWALE DETAIL

NOT TO SCALE



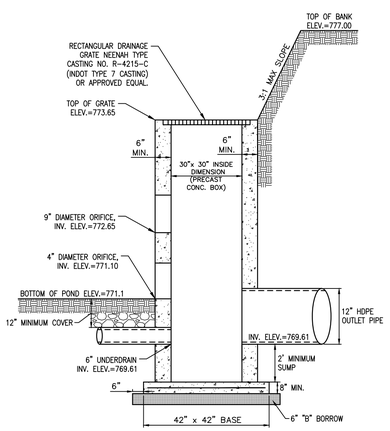
DRY-BOTTOM POND TYPICAL CROSS-SECTION

NOT TO SCALE



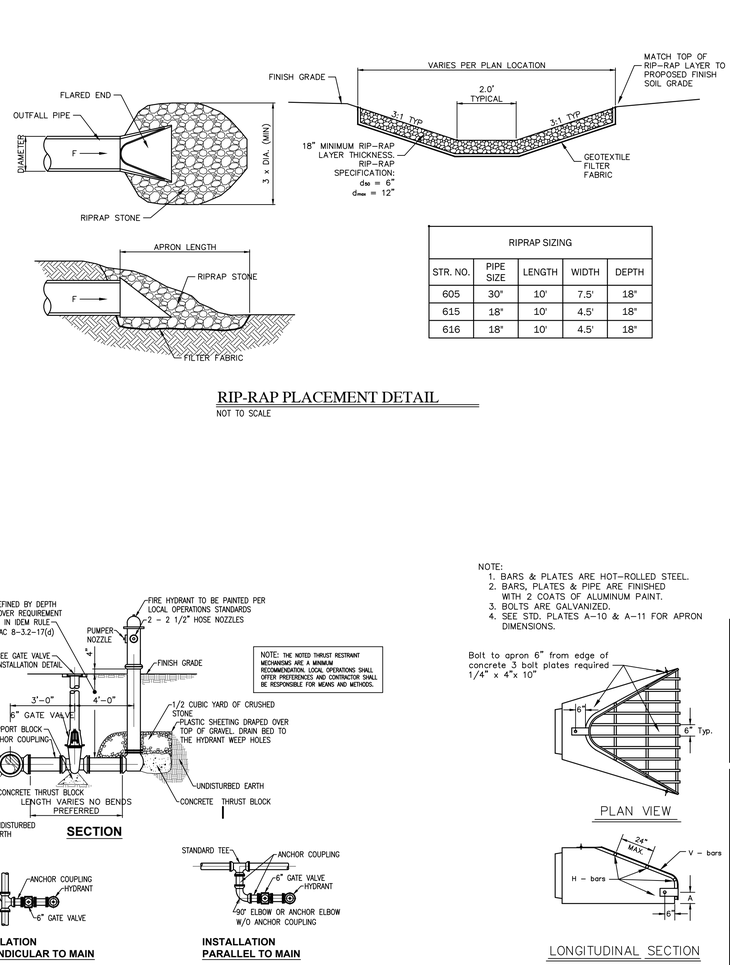
POND EMERGENCY SPILLWAY

NOT TO SCALE



PROPOSED POND OUTLET CONTROL STRUCTURE (STR.#601)

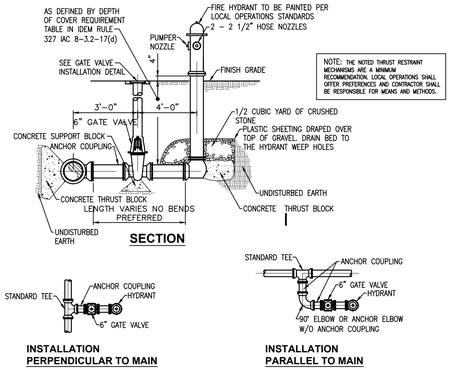
NOT TO SCALE



RIPRAP SIZING				
STR. NO.	PIPE SIZE	LENGTH	WIDTH	DEPTH
605	30"	10'	7.5'	18"
615	18"	10'	4.5'	18"
616	18"	10'	4.5'	18"

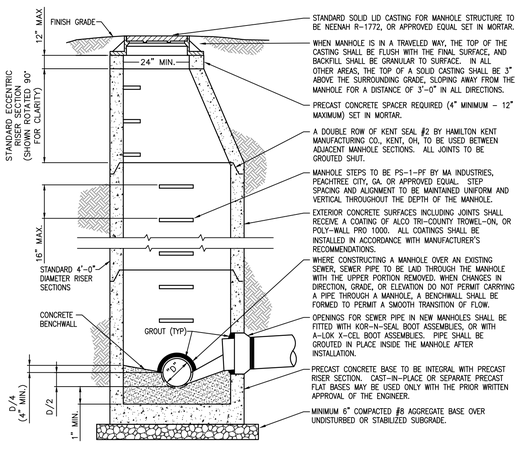
RIP-RAP PLACEMENT DETAIL

NOT TO SCALE



FIRE HYDRANT ASSEMBLY DETAIL

NOT TO SCALE



SANITARY SEWER MANHOLE

NOT TO SCALE

NOTE:
1. BARS & PLATES ARE HOT-ROLLED STEEL.
2. BARS, PLATES & PIPE ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.
3. BOLTS ARE GALVANIZED.
4. SEE STD. PLATES A-10 & A-11 FOR APRON DIMENSIONS.

PLAN VIEW

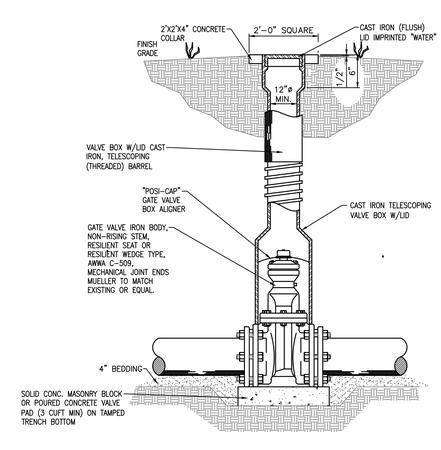
LONGITUDINAL SECTION

Arch. pipe aprons	Apron Size	V-bar Size	H-bar Size	No. of H-bars Req'd	Bolt Dia.	"A" Dim.
	Inches				Inches	
	18	1/2 ϕ	5/8 ϕ	3	1/2	5
	24	5/8 ϕ	3/4 ϕ	4	1/2	7
	30	5/8 ϕ	3/4 ϕ	4	1/2	7 1/2
	36	3/4 ϕ	1 ϕ	4	1/2	10 1/2
	42	3/4 ϕ	1 ϕ	4	3/4	11
	48	3/4 ϕ	1 1/2 pipe	4	3/4	12
	54	3/4 ϕ	1 1/2 pipe	4	3/4	12
	60	3/4 ϕ	1 1/2 pipe	5	3/4	14
	72	3/4 ϕ	1 1/2 pipe	5	3/4	14
	84	3/4 ϕ	1 1/2 pipe	6	3/4	15

Round pipe aprons						
	12	1/2 ϕ	5/8 ϕ	3	1/2	4
	15	1/2 ϕ	5/8 ϕ	3	1/2	4 1/2
	18	1/2 ϕ	5/8 ϕ	4	1/2	4 1/2
	21	1/2 ϕ	5/8 ϕ	4	1/2	5
	24	5/8 ϕ	3/4 ϕ	4	1/2	5
	27	5/8 ϕ	3/4 ϕ	4	1/2	5 1/2
	30	5/8 ϕ	3/4 ϕ	4	1/2	5 1/2
	36	3/4 ϕ	1 ϕ	4	3/4	8
	42	3/4 ϕ	1 ϕ	4	3/4	8
	48	3/4 ϕ	1 ϕ	5	3/4	8
	54	3/4 ϕ	1 1/2 pipe	5	3/4	8
	60	3/4 ϕ	1 1/2 pipe	5	3/4	8
	66	3/4 ϕ	1 1/2 pipe	6	3/4	8
	72	3/4 ϕ	1 1/2 pipe	6	3/4	9
	84	3/4 ϕ	1 1/2 pipe	7	3/4	10
	90	3/4 ϕ	1 1/2 pipe	7	3/4	14

END SECTION DEBRIS GUARD

NOT TO SCALE



GATE VALVE WITH BOX DETAIL

NOT TO SCALE

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA

CONSTRUCTION DETAILS

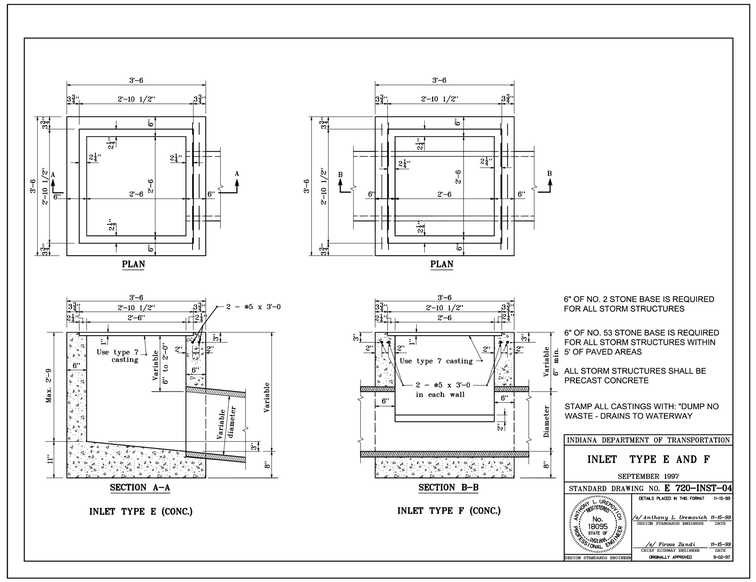
ALEXANDER K. McDANIEL REGISTERED No. PE12300515 STATE OF INDIANA PROFESSIONAL ENGINEER

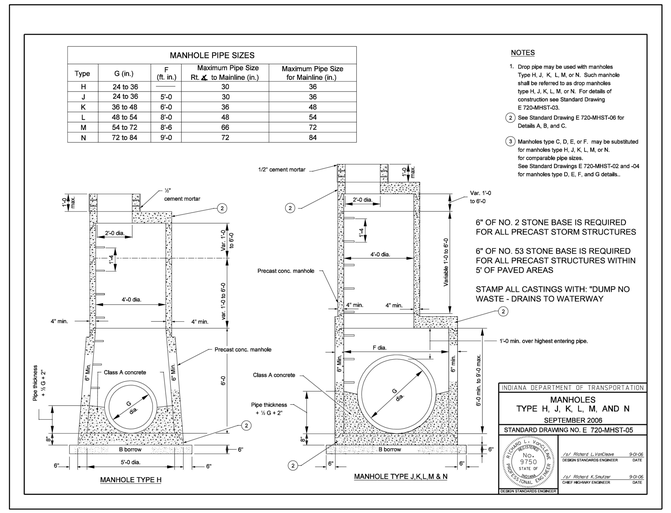
Alexander K. McDaniel

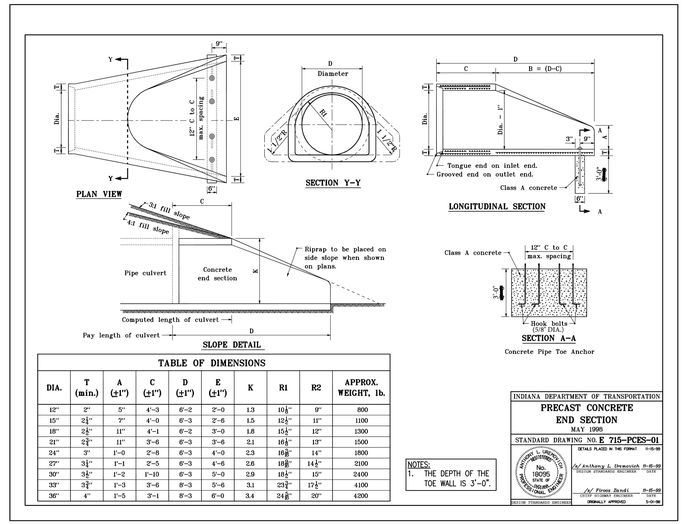
DRAWN BY MJ
CHECKED BY AM
DATE MAY 14, 2026
SCALE AS SHOWN
JOB NUMBER 2501-735-A
SHEET
C8.11
CONSTRUCTION DETAILS

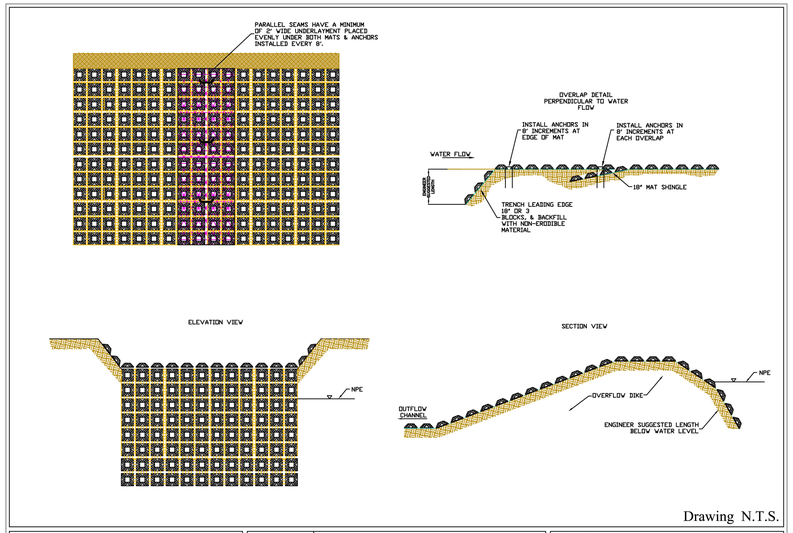
© 2026

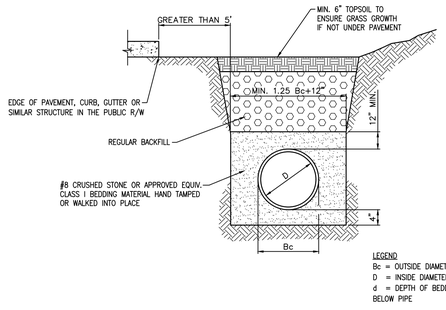
Plot Date: May 13, 2026 Plot Time: 4:05pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Construction Details.dwg, Layout: C8.11 DETAILS By: amcdaniel



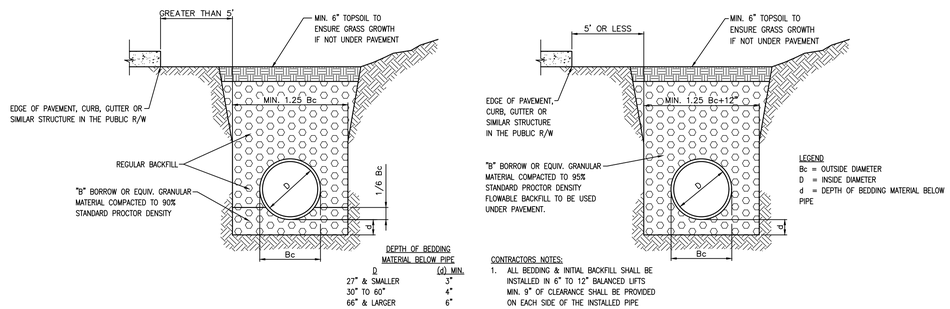




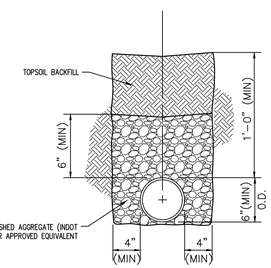




PLASTIC PIPE (PVC & HDPE) TRENCH DETAIL
NOT TO SCALE



REINFORCED CONCRETE PIPE (RCP) TRENCH DETAIL
NOT TO SCALE



POND UNDERDRAIN
NOT TO SCALE

REVISIONS

DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

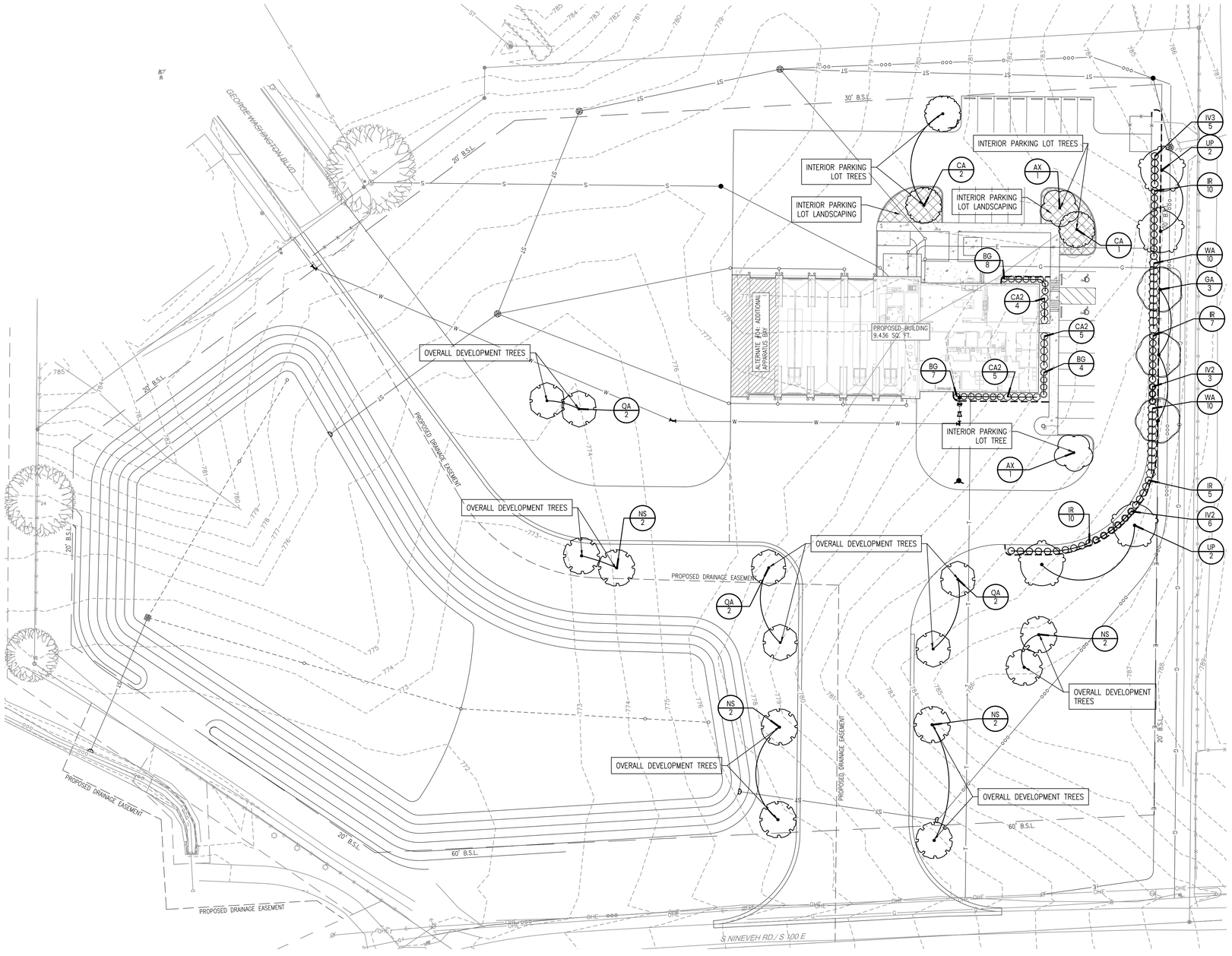
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
CONSTRUCTION DETAILS

ALEXANDER K. McDANIEL REGISTERED No. PE12300515 STATE OF INDIANA PROFESSIONAL ENGINEER
Alexander K. McDaniel

DRAWN BY MJ	JOB NUMBER 2501-735-A
CHECKED BY AM	
DATE MAY 14, 2026	
SCALE AS SHOWN	
SHEET C8.12 CONSTRUCTION DETAILS	

© 2026

Plot Date: May 13, 2026 Plot Time: 4:05pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Construction Details.dwg, Layout: C8.12 DETAILS By: amcdaniel



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME
OVERALL DEVELOPMENT TREES		
	NS	NYSSA SYLVATICA
	QA	QUERCUS ALBA
PARKING LOT INTERIOR TREES		
	AX	ACER X FREEMANII
	CA	CARPINUS CAROLINIANA
PARKING LOT PERIMETER TREES		
	GA	GINKGO BILOBA 'AUTUMN GOLD'
	UP	ULMUS AMERICANA 'PRINCETON'
BUILDING FOUDATION PLANTING SHRUBS		
	BG	BUXUS X 'GREEN VELVET'
	CA2	CEANOTHUS AMERICANUS
PARKING LOT PERIMETER PLANTING SHRUBS		
	IV2	ILEX VERTICILLATA 'JIM DANDY'
	IR	ILEX VERTICILLATA 'RED SPRITE'
	IV3	ITEA VIRGINICA 'HENRY'S GARNET'
	WA	WEIGELA FLORIDA 'ALEXANDRA'

SEE SHEET L8.00 FOR COMPLETE PLANT SCHEDULE

LANDSCAPE GENERAL NOTES:

1. NOTIFY THE LANDSCAPE ARCHITECT IF SITE CONDITIONS ARE UNSUITABLE OR OTHER UNFORESEEN CONDITIONS ARE FOUND.
2. CONTRACTOR SHALL LOCATE AND VERIFY EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK, AND SHALL COORDINATE ALL LANDSCAPE WORK WITH CIVIL AND ELECTRICAL DRAWINGS, PROVIDE ADEQUATE MEANS OF PROTECTION OF UTILITIES AND SERVICES DESIGNATED TO REMAIN, AND REPAIR UTILITIES DAMAGED DURING OPERATIONS AT CONTRACTOR'S EXPENSE.
3. ALL PLANT MATERIAL SHALL BE IN CONFORMANCE WITH THE "AMERICAN STANDARD FOR NURSERY STOCK" ANSI Z60.1 LATEST EDITION.
4. ALL LANDSCAPING SHALL BE INSTALLED PER LOCAL ZONING REQUIREMENTS.
5. NO SUBSTITUTIONS FOR THE SPECIFIED LANDSCAPE MATERIAL ARE ALLOWED UNLESS ACCEPTED IN WRITING BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING OPERATIONS.
6. CONTRACTOR TO THOROUGHLY WATER ALL PLANT MATERIAL WITHIN SIX (6) HOURS OF INSTALLATION AND AS SPECIFIED THROUGHOUT THE MAINTENANCE PERIOD.
7. THE SITE IS TO BE LEFT IN A CLEAN AND NEAT CONDITION AT ALL TIMES.
8. MULCH: FINELY SHREDDED HARDWOOD BARK, AGED TO BE APPLIED AT A THREE (3) INCH DEPTH FOR ALL PLANTING BEDS AND TREE SAUCERS. RENEWAL OF MULCH DURING THE GUARANTEE PERIOD SHALL BE PERFORMED BY THE OWNER AS NEEDED. SEE NOTE 19. FOR MAINTENANCE AND GUARANTEE PERIOD REQUIREMENTS.ALL INTERIOR PARKING LOT PLANTING AREAS TO RECEIVE MULCH UNLESS NOTED OTHERWISE.
9. SEED WITH TURF GRASS/LAWN ALL DISTURBED AREAS NOT SCHEDULED FOR OTHER IMPROVEMENTS.
10. ALL PLANTING BEDS WITH ADJOINING LAWN AREAS SHALL BE EDGED WITH A SPADE, UNLESS NOTED OTHERWISE.
11. CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUALITY AND QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING AS SHOWN ON DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN THE PLANS AND THE PLANT LIST, THE PLANS SHALL TAKE PRECEDENCE. IF THERE IS A DISCREPANCY BETWEEN THE QUANTITY OF PLAN SYMBOLS AND THE QUANTITY LABEL, THE PLAN SYMBOLS SHALL TAKE PRECEDENCE.
12. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ALL PAVEMENT AND ROUGH GRADING HAS BEEN FINISHED AND APPROVED. LANDSCAPE INSTALLATION SHALL NOT BE PHASED UNLESS APPROVED BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL SHALL BE INSTALLED IN ONE MOBILIZATION AT THE END OF THE PROJECT UNLESS OTHERWISE NOTED.
13. PRIOR TO PLANTING, THE LOCATIONS OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
14. STAKES AND GUY WIRES USED TO SUPPORT PLANTING MATERIALS SHALL BE REMOVED AFTER ONE YEAR.
15. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOTBOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING. ALL TWINE OR ROPE SHALL BE REMOVED FROM AROUND CROWN OF TRUNK TO PREVENT GIRDLING OF TREE. ALL PLANTS SHALL BE PLANTED SO THAT THE ROOT CROWN IS PLANTED 1/2 – 1" ABOVE GRADE LEVEL.
16. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN THREE VERTICAL LOCATIONS.
17. CONTRACTOR SHALL REPAIR ANY DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
18. MAINTENANCE PERIOD: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANT MAINTENANCE AND REPLACEMENT THROUGHOUT CONSTRUCTION. UPON RECEIVING WRITTEN ACCEPTANCE FROM THE LANDSCAPE ARCHITECT, CONTRACTOR'S MAINTENANCE PERIOD IS COMPLETE AND GUARANTEE PERIOD BEGINS. OWNER ACCEPTS MAINTENANCE OF PLANTS AND LANDSCAPE BEDS AT START OF GUARANTEE PERIOD PER CONTRACTORS WRITTEN MAINTENANCE INSTRUCTIONS.
19. GUARANTEE PERIOD: THE OWNER IS RESPONSIBLE FOR WATERING PER CONTRACTOR'S WRITTEN MAINTENANCE INSTRUCTIONS THROUGHOUT THE GUARANTEE PERIOD. SEE NOTE 19 FOR MAINTENANCE AND GUARANTEE PERIOD REQUIREMENTS.
20. WARRANTY: LANDSCAPE CONTRACTOR SHALL WARRANTY ALL NEW PLANT MATERIAL THROUGH ONE YEAR FROM THE TIME OF WRITTEN ACCEPTANCE BY THE LANDSCAPE ARCHITECT ESTABLISHING THE START OF THE GUARANTEE PERIOD.
21. REPLACEMENTS: AT THE CONCLUSION OF THE GUARANTEE PERIOD, THE LANDSCAPE ARCHITECT WILL PERFORM A FINAL INSPECTION. ANY MATERIAL DEEMED DEAD OR UNSATISFACTORY BY THE LANDSCAPE ARCHITECT AT THAT TIME WILL BE REPLACED EQUIVALENT IN SIZE AND SHAPE AT NO COST TO THE OWNER. REPLACEMENT PLANT MATERIAL IS TO BE PROVIDED WITH AN ADDITIONAL ONE-YEAR WARRANTY AND SHALL BE REPLACED IF DEAD, DYING, OR OTHERWISE UNACCEPTABLE TO THE LANDSCAPE ARCHITECT ONE FINAL TIME AT THE CONCLUSION OF THAT PERIOD.

LANDSCAPE REQUIREMENTS

PROPERTY ZONING: SR
WEST, NORTH ADJACENT: SR
EAST ADJACENT: GC

PROJECT SITE AREA: 268,051 SF (6.15 ACRES)
PROPOSED USE: FIRE HOUSE

NO BUFFER YARD REQUIRED

OVERALL DEVELOPMENT REQUIREMENT:
- ONE (1) CANOPY TREE PER TWENTY THOUSAND (20,000) SF OF LOT AREA
- ONE ADDITIONAL TREE PER PRIMARY STRUCTURE CONSTRUCTED

NUMBER CANOPY TREES REQUIRED: 14
NUMBER CANOPY TREES PROVIDED: 14

PARKING LOT PERIMETER SCREENING:
- 1 DECIDUOUS OR ORNAMENTAL TREE + 10 SHRUBS PER 40 LINEAR FEET

APPLICABLE PERIMETER: 270 LF

TOTAL TREES REQUIRED: 7
TOTAL TREES PROVIDED: 7
TOTAL SHRUBS REQUIRED: 60
TOTAL SHRUBS PROVIDED: 66

PARKING LOT INTERIOR:
- FIVE PERCENT (5%) OF GROSS VEHICULAR AREA OF PARKING LOT
- ONE (1) DECIDUOUS TREE PER 120 SF OF THAT AREA

PARKING LOT AREA; 12,200 SF
INTERIOR LANDSCAPE AREA REQUIRED: 610 SF
INTERIOR LANDSCAPE AREA PROVIDED: 770 SF
TOTAL TREES REQUIRED: 5
TOTAL TREES PROVIDED: 5

NOTE: ALL LANDSCAPE AREAS OUTSIDE OF PLANTING BEDS SHALL BE SEEDED WITH TURF GRASS.

Indiana 811
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Call 811 or 800-382-5544 Before you Dig!

GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

STANDARD LEGEND:

NOTE: NOT ALL LEGEND ITEMS REPRESENTED ON PLAN SHEET. SEE EXISTING CONDITIONS PLAN FOR EXISTING ITEMS LEGEND.

EASEMENT LINE
SETBACK LINE
CONTOUR, MAJOR 800
CONTOUR, MINOR 799
SUBSURFACE DRAIN
SWALE / FLOWLINE
OVERHEAD ELECTRIC OHE
ELECTRICAL LINE E
GAS MAIN G
WATER MAIN W
SANITARY SEWER S
SANITARY MANHOLE
CLEANOUT CO
STORM SEWER ST
STORM CULVERT ST
STORM MANHOLE
STORM INLET
STORM END SECTION
FIRE HYDRANT
FIRE HYDRANT / VALVE
WATER VALVE
UTILITY POLE
SIGN
BED OUTLINE
LANDSCAPE ISLAND GROUNDCOVER

REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

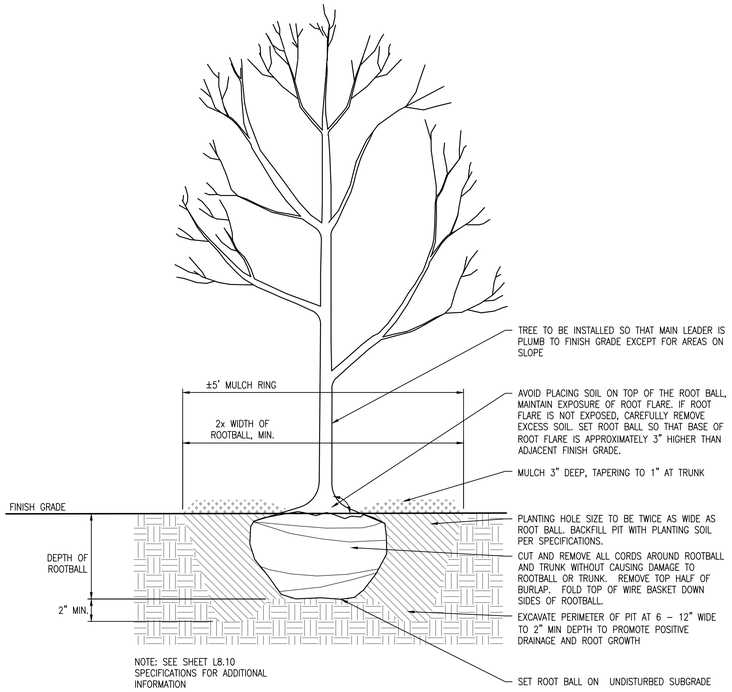
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
LANDSCAPE PLAN

ALEXANDER K. McDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

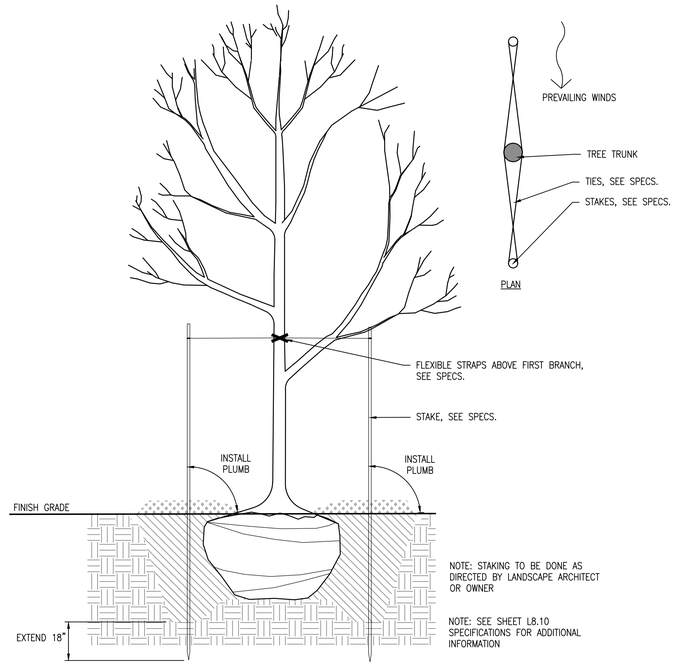
DRAWN BY: BP, DA
CHECKED BY: AM
DATE: MAY 14, 2026
SCALE: AS SHOWN
JOB NUMBER: 2501-735-A
SHEET: L1.00
LANDSCAPE PLAN

© 2026

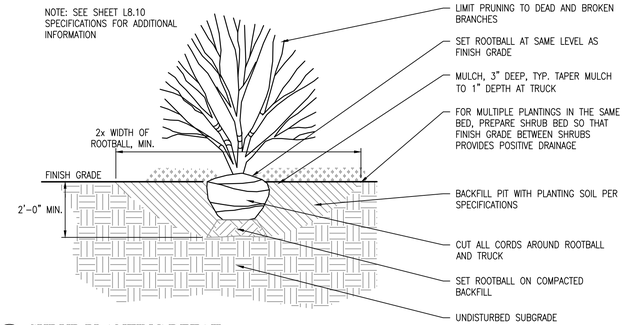
Plot Date: May 13, 2026 Plot Time: 4:06pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-ALandscape Plan.dwg, Layout: L1.00 LANDSCAPE PLAN By: amcdaniel



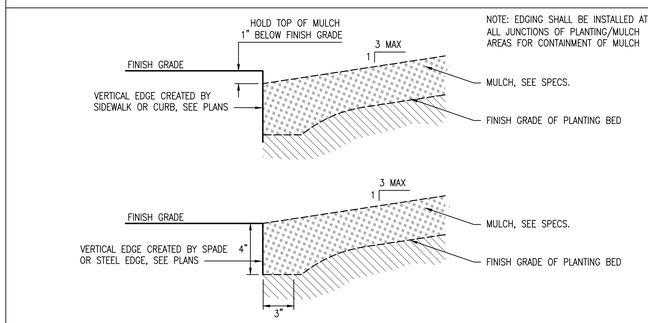
1 TYPICAL TREE PLANTING DETAIL
NOT TO SCALE



2 DECIDUOUS TREE STAKING DETAIL
NOT TO SCALE



3 SHRUB PLANTING DETAIL
NOT TO SCALE



4 PLANTING BED PERIMETER
NOT TO SCALE

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER	HGT	ROOT	SPACING	QTY
OVERALL DEVELOPMENT TREES							
	NS	NYSSA SYLVATICA / TUPELO	2.5" CAL.	-	B&B	SEE PLAN	8
	QA	QUERCUS ALBA / WHITE OAK	2.5" CAL.	-	B&B	SEE PLAN	6
PARKING LOT INTERIOR TREES							
	AX	ACER X FREEMANII / FREEMAN MAPLE	2.5" CAL.	-	B&B	SEE PLAN	2
	CA	CARPINUS CAROLINIANA / AMERICAN HORNBEAM	2.5" CAL.	-	B&B	SEE PLAN	3
PARKING LOT PERIMETER TREES							
	GA	GINKGO BILOBA 'AUTUMN GOLD' / AUTUMN GOLD MAIDENHAIR TREE	2.5" CAL.		B&B	SEE PLAN	3
	UP	ULMUS AMERICANA 'PRINCETON' / PRINCETON AMERICAN ELM	2.5" CAL.	-	B&B	SEE PLAN	4
BUILDING FOUDATION PLANTING SHRUBS							
	BG	BUXUS X 'GREEN VELVET' / GREEN VELVET BOXWOOD	---	18"	#3 CONT	SEE PLAN	19
	CA2	CEANOTHUS AMERICANUS / NEW JERSEY TEA	---	18"	#3 CONT	SEE PLAN	14
PARKING LOT PERIMETER PLANTING SHRUBS							
	IV2	ILEX VERTICILLATA 'JIM DANDY' / JIM DANDY WINTERBERRY	---	18"	#3 CONT	SEE PLAN	9
	IR	ILEX VERTICILLATA 'RED SPRITE' / RED SPRITE WINTERBERRY	---	18"	#3 CONT	SEE PLAN	32
	IV3	ITEA VIRGINICA 'HENRY'S GARNET' / HENRY'S GARNET SWEETSPIRE	---	18"	#3 CONT	SEE PLAN	5
	WA	WEIGELA FLORIDA 'ALEXANDRA' / WINE & ROSES® WEIGELA	---	18"	#3 CONT	SEE PLAN	20

REVISIONS

DATE	DESCRIPTION	BY

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA
LANDSCAPE DETAILS

ALEXANDER R. K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY	JOB NUMBER 2501-735-A
BP, DA	
CHECKED BY	
AM	
DATE	
MAY 14, 2026	
SCALE	
AS SHOWN	

SHEET
L8.00
LANDSCAPE DETAILS

© 2026

Plot Date: May 13, 2026 Plot Time: 4:06pm File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A Landscape Plan.dwg, Layout: L8.00 LANDSCAPE DETAILS By: amcdaniel

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

1.02 SUMMARY

A. EXTENT OF EXTERIOR PLANTS IS INDICATED ON DRAWINGS.

B. THIS SECTION INCLUDES THE FOLLOWING TYPES OF EXTERIOR PLANT MATERIAL:

1. TREES.
2. SHRUBS.

C. RELATED SECTIONS INCLUDE THE FOLLOWING:

1. DIVISION 31 SECTION "SITE CLEARING" FOR PROTECTION OF EXISTING TREES AND PLANTING, TOPSOIL STRIPPING AND STOCKPILING, AND SITE CLEARING.
2. DIVISION 31 SECTION "EARTHWORK" FOR EXCAVATION, FILLING, AND ROUGH GRADING AND FOR SUBSURFACE AGGREGATE DRAINAGE AND DRAINAGE BACKFILL MATERIALS.

1.03 DEFINITIONS

A. BALLED AND BURLAPPED STOCK: EXTERIOR PLANTS DUG WITH FIRM, NATURAL BALLS OF EARTH IN WHICH THEY ARE GROWN, WITH BALL SIZE NOT LESS THAN DIAMETER AND DEPTH RECOMMENDED BY ANSI Z60.1 FOR TYPE AND SIZE OF TREE OR SHRUB REQUIRED; WRAPPED, TIED, RIGIDLY SUPPORTED, AND DRUM-LACED AS RECOMMENDED BY ANSI Z60.1.

B. BALLED AND POTTED STOCK: EXTERIOR PLANTS DUG WITH FIRM, NATURAL BALLS OF EARTH IN WHICH THEY ARE GROWN AND PLACED, UNBROKEN, IN A CONTAINER. BALL SIZE IS NOT LESS THAN DIAMETER AND DEPTH RECOMMENDED BY ANSI Z60.1 FOR TYPE AND SIZE OF EXTERIOR PLANT REQUIRED. ROOT-BOUND PLANTS ARE NOT ACCEPTABLE.

C. BARE-ROOT STOCK: EXTERIOR PLANTS WITH A WELL-BRANCHED, FIBROUS-ROOT SYSTEM DEVELOPED BY TRANSPLANTING OR ROOT PRUNING, WITH SOIL OR GROWING MEDIUM REMOVED, AND WITH NOT LESS THAN MINIMUM ROOT SPREAD ACCORDING TO ANSI Z60.1 FOR KIND AND SIZE OF EXTERIOR PLANT REQUIRED.

D. CONTAINER-GROWN STOCK: HEALTHY, VIGOROUS, WELL-ROOTED EXTERIOR PLANTS GROWN IN A CONTAINER WITH WELL-ESTABLISHED ROOT SYSTEM REACHING SIDES OF CONTAINER AND MAINTAINING A FIRM BALL WHEN REMOVED FROM CONTAINER. CONTAINER SHALL BE RIGID ENOUGH TO HOLD BALL SHAPE AND PROTECT ROOT MASS DURING SHIPPING AND BE SIZED ACCORDING TO ANSI Z60.1 FOR KIND, TYPE, AND SIZE OF EXTERIOR PLANT REQUIRED. ROOT-BOUND PLANTS ARE NOT ACCEPTABLE.

E. FABRIC BAG-GROWN STOCK: HEALTHY, VIGOROUS, WELL-ROOTED EXTERIOR PLANTS ESTABLISHED AND GROWN IN-GROUND IN A POROUS FABRIC BAG WITH WELL-ESTABLISHED ROOT SYSTEM REACHING SIDES OF FABRIC BAG. FABRIC BAG SIZE IS NOT LESS THAN DIAMETER, DEPTH, AND VOLUME REQUIRED BY ANSI Z60.1 FOR TYPE AND SIZE OF EXTERIOR PLANT.

F. FINISH GRADE: ELEVATION OF FINISHED SURFACE OF COMPOST AMENDED SOIL.

G. MANUFACTURED TOPSOIL: SOIL PRODUCED OFF-SITE BY HOMOGENEOUSLY BLENDING MINERAL SOILS OR SAND WITH STABILIZED ORGANIC SOIL AMENDMENTS TO PRODUCE TOPSOIL OR COMPOST AMENDED SOIL.

H. COMPOST AMENDED SOIL: NATIVE OR IMPORTED TOPSOIL, MANUFACTURED TOPSOIL, OR SURFACE SOIL MODIFIED TO BECOME TOPSOIL; MIXED WITH SOIL AMENDMENTS.

I. SUBGRADE: SURFACE OR ELEVATION OF SUBSOIL REMAINING AFTER COMPLETING EXCAVATION, OR TOP SURFACE OF A FILL OR BACKFILL, BEFORE PLACING COMPOST AMENDED SOIL.

1.04 SUBMITTALS

A. CERTIFICATION: SUBMIT CERTIFICATES OF INSPECTION AS REQUIRED BY GOVERNMENTAL AUTHORITIES. SUBMIT MANUFACTURER'S OR VENDOR'S CERTIFIED ANALYSIS FOR SOIL AMENDMENTS AND FERTILIZER MATERIALS.

B. PLANTING SCHEDULE: INDICATING ANTICIPATED PLANTING DATES FOR EXTERIOR PLANTS.

C. MAINTENANCE INSTRUCTIONS: RECOMMENDED PROCEDURES TO BE ESTABLISHED BY OWNER FOR MAINTENANCE OF EXTERIOR PLANTS DURING A CALENDAR YEAR. SUBMIT BEFORE EXPIRATION OF REQUIRED MAINTENANCE PERIODS.

1.05 QUALITY ASSURANCE

A. INSTALLER QUALIFICATIONS: A QUALIFIED LANDSCAPE INSTALLER WHOSE WORK HAS RESULTED IN SUCCESSFUL ESTABLISHMENT OF EXTERIOR PLANTS.

1. INSTALLER'S FIELD SUPERVISION: REQUIRE INSTALLER TO MAINTAIN AN EXPERIENCED FULL-TIME SUPERVISOR ON PROJECT SITE WHEN EXTERIOR PLANTING IS IN PROGRESS.

B. SOIL-TESTING LABORATORY QUALIFICATIONS: AN INDEPENDENT LABORATORY, RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, WITH THE EXPERIENCE AND CAPABILITY TO CONDUCT THE TESTING INDICATED AND THAT SPECIALIZES IN TYPES OF TESTS TO BE PERFORMED.

C. TOPSOIL ANALYSIS: FURNISH SOIL ANALYSIS BY A QUALIFIED SOIL-TESTING LABORATORY STATING PERCENTAGES OF ORGANIC MATTER; GRADATION OF SAND, SILT, AND CLAY CONTENT; SODIUM ABSORPTION RATIO; DELETERIOUS MATERIAL; PH; AND MINERAL AND PLANT-NUTRIENT CONTENT OF TOPSOIL.

1. REPORT SUITABILITY OF TOPSOIL FOR PLANT GROWTH. STATE RECOMMENDED QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND SOIL AMENDMENTS TO BE ADDED TO PRODUCE A SATISFACTORY TOPSOIL.

D. PROVIDE QUALITY, SIZE, GENUS, SPECIES, AND VARIETY OF EXTERIOR PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK."

E. TREE AND SHRUB MEASUREMENTS: MEASURE ACCORDING TO ANSI Z60.1 WITH BRANCHES AND TRUNKS OR CANES IN THEIR NORMAL POSITION. DO NOT PRUNE TO OBTAIN REQUIRED SIZES. TAKE CALIPER MEASUREMENTS 6 INCHES ABOVE GROUND FOR TREES UP TO 4-INCH CALIPER SIZE, AND 12 INCHES ABOVE GROUND FOR LARGER SIZES. MEASURE MAIN BODY OF TREE OR SHRUB FOR HEIGHT AND SPREAD; DO NOT MEASURE BRANCHES OR ROOTS TIP-TO-TIP.

F. OBSERVATION: LANDSCAPE ARCHITECT MAY OBSERVE PLANT MATERIAL EITHER AT PLACE OF GROWTH OR AT SITE BEFORE PLANTING FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. LANDSCAPE ARCHITECT RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED TREES OR SHRUBS IMMEDIATELY FROM PROJECT SITE.

1. NOTIFY LANDSCAPE ARCHITECT OF SOURCES OF PLANTING MATERIALS SEVEN DAYS IN ADVANCE OF DELIVERY TO SITE.

1.06 DELIVERY, STORAGE, AND HANDLING

A. DELIVER EXTERIOR PLANTS FRESHLY DUG.

1. IMMEDIATELY AFTER DIGGING UP BARE-ROOT STOCK, PACK ROOT SYSTEM IN WET STRAW, HAY, OR OTHER SUITABLE MATERIAL TO KEEP ROOT SYSTEM MOIST UNTIL PLANTING.

B. DO NOT PRUNE PLANT MATERIAL BEFORE DELIVERY, EXCEPT AS APPROVED BY LANDSCAPE ARCHITECT. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, SWEATING, WHIPPING, AND OTHER HANDLING AND TYING DAMAGE. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF EXTERIOR PLANTS DURING DELIVERY. DO NOT DROP EXTERIOR PLANTS DURING DELIVERY.

C. HANDLE PLANTING STOCK BY ROOT BALL.

D. DELIVER EXTERIOR PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND INSTALL IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX HOURS AFTER DELIVERY, SET EXTERIOR PLANTS TREES IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.

1.07 COORDINATION

A. PLANTING RESTRICTIONS: INSTALLATION SHALL BE PERFORMED DURING THE GROWING SEASON, SPECIFICALLY BETWEEN APRIL 15TH AND SEPTEMBER 30TH. COORDINATE PLANTING PERIODS WITH MAINTENANCE PERIODS TO PROVIDE REQUIRED MAINTENANCE FROM DATE OF SUBSTANTIAL COMPLETION.

B. WEATHER LIMITATIONS: PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. DO NOT PLANT DURING PERIOD OF DROUGHT.

C. COORDINATION WITH LAWNS: INSTALL PLANT MATERIAL AFTER FINISH GRADES ARE ESTABLISHED AND BEFORE PLANTING LAWNS, UNLESS OTHERWISE ACCEPTABLE TO LANDSCAPE ARCHITECT.

1. WHEN INSTALLING PLANT MATERIAL AFTER LAWNS, PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGE CAUSED BY PLANTING OPERATIONS.

1.08 WARRANTY

A. SPECIAL WARRANTY: WARRANT THE FOLLOWING EXTERIOR PLANTS, FOR THE WARRANTY PERIOD INDICATED, AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLECT, OR ABUSE BY OWNER, OR INCIDENTS THAT ARE BEYOND CONTRACTOR'S CONTROL.

1. WARRANTY PERIOD FOR PLANT MATERIAL: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
2. REPLACE EXTERIOR PLANTS THAT ARE MORE THAN 25 PERCENT DEAD OR IN AN UNHEALTHY CONDITION AT END OF WARRANTY PERIOD.

PART 2 – PRODUCTS

2.01 TREE AND SHRUB MATERIAL

A. GENERAL: FURNISH NURSERY-GROWN TREES AND SHRUBS COMPLYING WITH ANSI Z60.1, WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.

B. LABEL AT LEAST ONE TREE AND ONE SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL AND COMMON NAME.

C. IF FORMAL ARRANGEMENTS OR CONSECUTIVE ORDER OF TREES OR SHRUBS IS SHOWN, SELECT STOCK FOR UNIFORM HEIGHT AND SPREAD, AND NUMBER LABEL TO ASSURE SYMMETRY IN PLANTING.

2.02 SHADE AND FLOWERING TREES

A. TREES: TREES WITH STRAIGHT TRUNK, WELL-BALANCED CROWN, AND INTACT LEADER, OF HEIGHT AND CALIPER INDICATED, COMPLYING WITH ANSI Z60.1 FOR TYPE OF TREES REQUIRED.

1. PROVIDE BALLED AND BURLAPPED TREES.
2. CONTAINER GROWN DECIDUOUS TREES WILL BE ACCEPTABLE IN LIEU OF BALLED AND BURLAPPED DECIDUOUS TREES SUBJECT TO SPECIFIED LIMITATIONS OF ANSI Z60.1 FOR CONTAINER STOCK.

2.03 DECIDUOUS SHRUBS

A. FORM AND SIZE: DECIDUOUS SHRUBS WITH NOT LESS THAN THE MINIMUM NUMBER OF CANES REQUIRED BY AND MEASURED ACCORDING TO ANSI Z60.1 FOR TYPE, SHAPE, AND HEIGHT OF SHRUB.

1. PROVIDE BALLED AND BURLAPPED SHRUBS.
2. CONTAINER GROWN SHRUBS WILL BE ACCEPTABLE IN LIEU OF BALLED AND BURLAPPED SHRUBS SUBJECT TO SPECIFIED LIMITATIONS OF ANSI Z60.1 FOR CONTAINER STOCK.

2.04 CONIFEROUS AND BROADLEAF EVERGREENS

A. FORM AND SIZE: NORMAL-QUALITY, WELL-BALANCED, CONIFEROUS AND BROADLEAF EVERGREENS, OF TYPE, HEIGHT, SPREAD, AND SHAPE REQUIRED, COMPLYING WITH ANSI Z60.1.

1. PROVIDE BALLED AND BURLAPPED EVERGREENS.
2. CONTAINER GROWN EVERGREENS WILL BE ACCEPTABLE IN LIEU OF BALLED AND BURLAPPED EVERGREENS SUBJECT TO SPECIFIED LIMITATIONS OF ANSI Z60.1 FOR CONTAINER STOCK.

2.05 TOPSOIL

A. TOPSOIL: ASTM D 5268, PH RANGE OF 5.5 TO 7, A MINIMUM OF 4 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.

B. TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR RE-USE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK.

1. TOPSOIL SOURCE: REUSE SURFACE SOIL STOCKPILED ON-SITE. VERIFY SUITABILITY OF STOCKPILED SURFACE SOIL TO PRODUCE TOPSOIL. CLEAN SURFACE SOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
2. SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF-SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT.

C. PROVIDE NEW TOPSOIL WHICH IS FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.

1. OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL-DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 4"; DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS OR MARSHES.

2.06 INORGANIC SOIL AMENDMENTS

A. LIME: ASTM C 602, AGRICULTURAL LIMESTONE CONTAINING A MINIMUM 85 PERCENT CALCIUM CARBONATE EQUIVALENT WITH A MINIMUM OF 30% MAGNESIUM CARBONATES, AND AS FOLLOWS:

1. CLASS: CLASS T, WITH A MINIMUM 90 PERCENT PASSING THROUGH NO. 10 SIEVE AND A MINIMUM 50 PERCENT PASSING THROUGH NO. 100 SIEVE.
2. PROVIDE LIME IN FORM OF DOLOMITIC LIMESTONE.

B. ALUMINUM SULFATE: COMMERCIAL GRADE, UNADULTERATED.

C. PERLITE: HORTICULTURAL PERLITE, SOIL AMENDMENT GRADE.

D. AGRICULTURAL GYPSUM: FINELY GROUND, CONTAINING A MINIMUM OF 90 PERCENT CALCIUM SULFATE.

E. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, FREE OF TOXIC MATERIALS.

2.07 ORGANIC SOIL AMENDMENTS

A. PEAT: SPHAGNUM PEAT MOSS, PARTIALLY DECOMPOSED, FINELY DIVIDED OR GRANULAR TEXTURE WITH NO IDENTIFIABLE FIBERS, WITH A PH RANGE SUITABLE FOR INTENDED USE.

B. WOOD DERIVATIVES: DECOMPOSED, NITROGEN-TREATED SAWDUST, GROUND BARK, OR WOOD WASTE; OF UNIFORM TEXTURE, FREE OF CHIPS, STONES, STICKS, SOIL, OR TOXIC MATERIALS.

1. IN LIEU OF DECOMPOSED WOOD DERIVATIVES, MIX PARTIALLY DECOMPOSED WOOD DERIVATIVES WITH AT LEAST 0.15 LB OF AMMONIUM NITRATE OR 0.25 LB OF AMMONIUM SULFATE PER CUBIC FOOT OF LOOSE SAWDUST OR GROUND BARK.

C. MANURE: WELL-ROTTED, UNLEACHED, STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25 PERCENT BY VOLUME OF STRAW, SAWDUST, OR OTHER BEDDING MATERIALS; FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, AND MATERIAL HARMFUL TO PLANT GROWTH.

2.08 FERTILIZER (FOR LAWN AREAS ONLY)

A. BONEMEAL: COMMERCIAL, RAW OR STEAMED, FINELY GROUND; A MINIMUM OF 4 PERCENT NITROGEN AND 20 PERCENT PHOSPHORIC ACID.

B. SUPERPHOSPHATE: COMMERCIAL, PHOSPHATE MIXTURE, SOLUBLE; A MINIMUM OF 20 PERCENT AVAILABLE PHOSPHORIC ACID.

C. COMMERCIAL FERTILIZER: COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST- AND SLOW-RELEASE NITROGEN, 50 PERCENT DERIVED FROM NATURAL ORGANIC SOURCES OF UREA FORMALDEHYDE, PHOSPHOROUS, AND POTASSIUM IN THE FOLLOWING COMPOSITION:

1. COMPOSITION: 1 LB/1000 SQ. FT. OF ACTUAL NITROGEN, 4 PERCENT PHOSPHOROUS, AND 2 PERCENT POTASSIUM, BY WEIGHT.
2. COMPOSITION: NITROGEN, PHOSPHOROUS, AND POTASSIUM IN AMOUNTS RECOMMENDED IN SOIL REPORTS FROM A QUALIFIED SOIL-TESTING AGENCY.

2.09 MULCHES

A. ORGANIC MULCH: FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS, CONSISTING OF ONE OF THE FOLLOWING:

1. TYPE: SHREDDED HARDWOOD BARK, "A"-GRADE.

B. MINERAL MULCH: HARD, DURABLE STONE, WASHED FREE OF LOAM, SAND, CLAY, AND OTHER FOREIGN SUBSTANCES, OF FOLLOWING TYPE, SIZE RANGE, AND COLOR:

1. TYPE: ROUNDED RIVERBED GRAVEL OR SMOOTH-FACED STONE.
2. SIZE RANGE: 3 INCHES MAXIMUM, 1-1/2 INCHES MINIMUM.
3. COLOR: READILY AVAILABLE NATURAL GRAVEL COLOR RANGE.

2.10 STAKES AND GUYS

A. UPRIGHT AND GUY STAKES: ROUGH-SAWN, SOUND, NEW HARDWOOD, REDWOOD, OR PRESSURE-PRESERVATIVE-TREATED SOFTWOOD, FREE OF KNOTS, HOLES, CROSS GRAIN, AND OTHER DEFECTS, 2 BY 2 INCHES BY LENGTH INDICATED, POINTED AT ONE END.

B. GUY AND TIE MATERIAL: FLAT WOVEN POLYPROPYLENE MATERIAL ¾" WIDE, 900 LBS. MINIMUM BREAK STRENGTH, MANUFACTURED SPECIFICALLY FOR ARBORICULTURE APPLICATIONS.

2.11 MISCELLANEOUS PRODUCTS

A. ANTIDESICCANT: WATER-INSOLUBLE EMULSION, PERMEABLE MOISTURE RETARDER, FILM FORMING, FOR TREES AND SHRUBS. DELIVER IN ORIGINAL, SEALED, AND FULLY LABELED CONTAINERS AND MIX ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

2.12 COMPOST AMENDED SOIL MIX

A. WHEREVER COMPOST AMENDED SOIL IS INDICATED ON THE PLANS, THE SOIL SHOULD MEET THE FOLLOWING REQUIREMENTS:

1. TEXTURE – SANDY LOAM SOIL WITH 50-80% MEDIUM AND COARSE SAND (<25% FINE SAND), 5-20% CLAY, AND 5-35% SILT.
2. STONES AND ROCKS – NO STONES LARGER THAN 1 INCH IN THE LONGEST DIMENSION ARE PERMITTED. STONES RANGING FROM 0.5 TO 1 INCH SHALL NOT EXCEED 5% OF THE SOIL VOLUME, AND GRAVEL ¼ TO ½ INCHES SHALL NOT EXCEED 5% OF THE SOIL VOLUME.
3. DEBRIS CONTENT – PARTICLES GREATER THAN 1 INCH IN THE LONGEST DIMENSION ARE NOT ALLOWED. THIS INCLUDES FRAGMENTS OF BRICK, CONCRETE, WOOD, GLASS, METAL, STONE, AND PLASTIC. THE TOTAL VOLUME LESS THAN 1 INCH LONG SHOULD NOT BE MORE THAN 5% OF THE SOIL VOLUME.
4. CONTAMINANTS – THE SOIL SHOULD HAVE NO HERBICIDES, HEAVY METALS, BIOLOGICAL TOXINS, OR HYDROCARBONS THAT WILL IMPACT PLANT GROWTH OR ARE AT LEVELS EXCEEDING THE EP'S STANDARDS FOR SOIL CONTAMINANTS.
5. CLOD SIZE – IT IS PERMISSIBLE TO HAVE UNLIMITED AMOUNTS OF SOIL PEDS THAT ARE LESS THAN 1 INCH LONG, BUT CLODS FROM 1-3 INCHES SHOULD MAKE UP LESS THAN 10% OF THE SOIL VOLUME AND CLODS 3-6 INCHES SHOULD BE LESS THAN 5%.
6. ORGANIC CONTENT – 2-5% BY WEIGHT
7. DENSITY – 1.2 – 1.5G/CC
8. ACIDITY (PH) – 6.0 – 7.0
9. PERCOLATION RATE (DRAINAGE) – NO STANDING WATER VISIBLE 60 MINUTES AFTER 10 MINUTES HEAVY IRRIGATION. DRAINAGE OF COMPOST AMENDED SOIL CAN BE MEASURED ONLY AFTER THE COMPOST AMENDED SOIL IS IN PLACE.
10. FERTILITY RANGE – NITROGEN (N): 20 TO 50 PARTS PER MILLION, PHOSPHORUS (P): 20 TO 50 PARTS PER MILLION, POTASSIUM (K): 50 TO 100 PARTS PER MILLION.
11. SALINITY – THE SATURATION EXTRACT CONDUCTIVITY SHALL NOT EXCEED 3.0 MHO/CM AT 25° C.
12. SODIUM – THE SODIUM ABSORPTION RATIO (SAR) AS CALCULATED FROM ANALYSIS OF THE SATURATION EXTRACT SHALL NOT EXCEED 8.0.
13. BORON – THE CONCENTRATION OF BORON IN THE SATURATION EXTRACT SHALL NOT EXCEED 1.0 PPM.

B. IF TESTING SHOWS THAT THE COMPOST AMENDED SOIL DOES NOT MEET THE ABOVE REQUIREMENTS, THE CONTRACTOR SHALL AMEND THE COMPOST AMENDED SOIL AT HIS EXPENSE SO THAT THE FINAL COMPOST AMENDED SOIL MEETS THE REQUIREMENTS OUTLINED ABOVE. PROVIDE IMPORTED COMPOST AMENDED SOIL AND AMENDMENTS AS NECESSARY TO COMPLETE THE WORK FOR THE PLANT ZONES DESIGNATED ON THE PLANS. OBTAIN RIGHTS AND PAY ALL COSTS FOR IMPORTED MATERIALS.

C. MINIMUM DEPTHS OF COMPOST AMENDED SOIL:

1. SEEDED LAWN – 4 INCH DEPTH TOPSOIL
2. TREE AREAS – 36 INCH DEPTH COMPOST AMENDED SOIL IN CONTINUOUS PLANTING BED, OR AS SHOWN ON THE DRAWINGS, WHICHEVER IS GREATER. ALLOW FOR COMPACTED SUBGRADE UNDER ROOTBALL.
3. SHRUB AREAS – 24 INCH DEPTH COMPOST AMENDED SOIL IN CONTINUOUS PLANTING BED, OR AS SHOWN ON THE DRAWINGS, WHICHEVER IS GREATER.
4. ORNAMENTAL GRASSES/GROUNDCOVER/PERENNIAL AREAS – 18 INCH DEPTH COMPOST AMENDED SOIL IN CONTINUOUS PLANTING BED, OR AS SHOWN ON THE DRAWINGS, WHICHEVER IS GREATER.

D. DEATH OF PLANTS DURING THE FIRST YEAR THAT CAN BE ATTRIBUTED TO PLANT PATHOGENIC ORGANISMS OR TOXIC MATERIALS IN THE COMPOST AMENDED SOIL MAY BE AN INDICATION THAT THE COMPOST AMENDED SOIL DID NOT MEET THIS REQUIREMENT AT THE TIME OF INSTALLATION AND MAY RESULT IN A REQUIREMENT THAT THE CONTRACTOR REMOVE AND REPLACE DEAD PLANTS AND FAULTY COMPOST AMENDED SOIL.

PART 3 – EXECUTION

3.01 PREPARATION

A. PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.

B. LAY OUT INDIVIDUAL PLANT MATERIAL LOCATIONS AND AREAS FOR MULTIPLE EXTERIOR PLANTINGS. STAKE LOCATIONS, OUTLINE AREAS, ADJUST LOCATIONS WHEN REQUESTED, AND OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT BEFORE PLANTING. MAKE MINOR ADJUSTMENTS AS REQUIRED.

C. APPLY AN APPROPRIATE POST-EMERGENT HERBICIDE FOR WEED GROWTH IN PLANTING AREAS. FOLLOW ALL MANUFACTURER'S GUIDELINES INCLUDING WAIT TIMES BEFORE INSTALLATION OF NEW PLANT MATERIAL AFTER HERBICIDE APPLICATION.

D. APPLY ANTIDESICCANT TO TREES AND SHRUBS USING POWER SPRAY TO PROVIDE AN ADEQUATE FILM OVER TRUNKS, BRANCHES, STEMS, TWIGS, AND FOLIAGE TO PROTECT DURING DIGGING, HANDLING, AND TRANSPORTATION.

3.02 PLANTING BED ESTABLISHMENT

A. LOOSEN SUBGRADE OF PLANTING BEDS TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES LARGER THAN 1-1/2 INCHES IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.

1. SPREAD TOPSOIL, APPLY SOIL AMENDMENTS ON SURFACE, AND THOROUGHLY BLEND COMPOST AMENDED SOIL MIX.
2. SPREAD COMPOST AMENDED SOIL MIX TO A MINIMUM DEPTH OF 8 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF COMPOST AMENDED SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
   a. SPREAD APPROXIMATELY ONE-HALF THE THICKNESS OF COMPOST AMENDED SOIL MIX OVER LOOSENED SUBGRADE. MIX THOROUGHLY INTO TOP 2 INCHES OF SUBGRADE. SPREAD REMAINDER OF COMPOST AMENDED SOIL MIX.

B. FINISH GRADING: GRADE PLANTING BEDS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.

C. RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.

3.03 TREE AND SHRUB EXCAVATION

A. PITS AND TRENCHES: EXCAVATE CIRCULAR PITS WITH SIDES SLOPED INWARD. TRIM BASE LEAVING CENTER AREA RAISED SLIGHTLY TO SUPPORT ROOT BALL AND ASSIST IN DRAINAGE. DO NOT FURTHER DISTURB BASE. SCARIFY SIDES OF PLANT PIT SMEARED OR SMOOTHED DURING EXCAVATION.

1. EXCAVATE APPROXIMATELY THREE TIMES AS WIDE AS BALL DIAMETER FOR BALLED AND BURLAPPED STOCK.
2. EXCAVATE AT LEAST 12 INCHES WIDER THAN ROOT SPREAD AND DEEP ENOUGH TO ACCOMMODATE VERTICAL ROOTS FOR BARE-ROOT STOCK.
3. IF DRAIN TILE IS SHOWN OR REQUIRED UNDER PLANTED AREAS, EXCAVATE TO TOP OF POROUS BACKFILL OVER TILE.

B. SUBSOIL REMOVED FROM EXCAVATIONS MAY NOT BE USED AS BACKFILL.

C. FILL EXCAVATIONS WITH WATER AND ALLOW TO PERCOLATE AWAY BEFORE POSITIONING TREES AND SHRUBS.

3.04 TREE AND SHRUB PLANTING

A. SET BALLED AND BURLAPPED STOCK PLUMB AND IN CENTER OF PIT OR TRENCH WITH TOP OF ROOT BALL FLUSH WITH ADJACENT FINISH GRADES.

1. REMOVE BURLAP AND WIRE BASKETS FROM TOPS OF ROOT BALLS AND PARTIALLY FROM SIDES, BUT DO NOT REMOVE FROM UNDER ROOT BALLS. REMOVE PALLETS, IF ANY, BEFORE SETTING. DO NOT USE PLANTING STOCK IF ROOT BALL IS CRACKED OR BROKEN BEFORE OR DURING PLANTING OPERATION.
2. PLACE COMPOST AMENDED SOIL MIX AROUND ROOT BALL IN LAYERS, TAMPING TO SETTLE MIX AND ELIMINATE VOIDS AND AIR POCKETS. WHEN PIT IS APPROXIMATELY ONE-HALF BACKFILLED, WATER THOROUGHLY BEFORE PLACING REMAINDER OF BACKFILL. REPEAT WATERING UNTIL NO MORE WATER IS ABSORBED. WATER AGAIN AFTER PLACING AND TAMPING FINAL LAYER OF COMPOST AMENDED SOIL MIX.

B. ORGANIC MULCHING: APPLY 3-INCH AVERAGE THICKNESS OF ORGANIC MULCH EXTENDING 12 INCHES BEYOND EDGE OF PLANTING PIT OR TRENCH. DO NOT PLACE MULCH WITHIN 3 INCHES OF TRUNKS OR STEMS.

3.05 TREE AND SHRUB PRUNING

A. PRUNE, THIN, AND SHAPE TREES AND SHRUBS AS DIRECTED BY LANDSCAPE ARCHITECT.

B. PRUNE, THIN, AND SHAPE TREES AND SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD. UNLESS OTHERWISE INDICATED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS; REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES. PRUNE SHRUBS TO RETAIN NATURAL CHARACTER. SHRUB SIZES INDICATED ARE SIZES AFTER PRUNING.

3.06 GUYING AND STAKING

A. UPRIGHT STAKING AND TYING: STAKE TREES OF 2- THROUGH 5-INCH CALIPER. STAKE TREES OF LESS THAN 2-INCH CALIPER ONLY AS REQUIRED TO PREVENT WIND TIP-OUT. USE A MINIMUM OF 2 STAKES OF LENGTH REQUIRED TO PENETRATE AT LEAST 18 INCHES BELOW BOTTOM OF BACKFILLED EXCAVATION AND TO EXTEND AT LEAST 72 INCHES ABOVE GRADE. SET VERTICAL STAKES AND SPACE TO AVOID PENETRATING ROOT BALLS OR ROOT MASSES. SUPPORT TREES WITH TWO STRANDS OF TIE WIRE ENCASED IN HOSE SECTIONS AT CONTACT POINTS WITH TREE TRUNK. ALLOW ENOUGH SLACK TO AVOID RIGID RESTRAINT OF TREE. USE THE NUMBER OF STAKES AS FOLLOWS:

B. GUYING AND STAKING: GUY AND STAKE TREES EXCEEDING 14 FEET IN HEIGHT AND MORE THAN 3 INCHES IN CALIPER, UNLESS OTHERWISE INDICATED. SECURELY ATTACH NO FEWER THAN 3 GUYS TO STAKES 30 INCHES LONG, DRIVEN TO GRADE.

3.07 PLANTING BED MULCHING

A. APPLY AN APPROPRIATE PRE-EMERGENT HERBICIDE PRIOR TO MULCHING ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. COMPLETELY COVER AREA TO BE MULCHED.

B. MULCH BACKFILLED SURFACES OF PLANTING BEDS AND OTHER AREAS INDICATED.

1. ORGANIC MULCH: APPLY 3-INCH AVERAGE THICKNESS OF ORGANIC MULCH, AND FINISH LEVEL WITH ADJACENT FINISH GRADES. DO NOT PLACE MULCH AGAINST PLANT STEMS.
2. L-ROCK MINERAL MULCH: APPLY 2-INCH AVERAGE THICKNESS OF MINERAL MULCH, AND FINISH LEVEL WITH ADJACENT FINISH GRADES.

GENERAL NOTES

As used in these General Notes:
"Drawings" means the latest structural design drawings, uno.
"Specifications" means the latest project specifications, uno.
"Contract Documents" is defined as the design drawings and the specifications.
"SER" is defined as the structural engineer of record for the structure in its final condition.
"Design Professionals" is defined as the owner's architect
"MEP" includes, but is not limited to Mechanical, Electrical, Plumbing, Fire Protection.
"Contractor" is defined to include any of the following: General Contractor and their Subcontractors, Construction Manager and their Subcontractors, Structural Steel Fabricator or Structural Steel Erector.
"Base Building Structure" is defined as the structural frame designed by JQOL Global LLC.
"Structure in its final condition" means all structural elements shown on the structural contract documents are installed and completely connected and inspected with no outstanding non-comliance issues.

The Contractor is solely responsible for the stability of the structure until the construction of the structure reaches its final condition.

The Contractor is responsible for coordination of the Structural work with the Architectural, Civil, MEP contract documents, as well as any other applicable trades. The architectural, mechanical, electrical and plumbing aspects are not in the scope of these drawings. Therefore, all required materials and work may not be indicated. Refer to architectural drawings for all dimensions not shown on these drawings. Locations, sizes and numbers of all openings may not be completely indicated in the structural drawings. The respective contractor shall verify their work with all other disciplines.

The contractor is solely responsible for the design, installation, and removal of temporary bracing and construction supports, for new and existing structures, as necessary to complete the project. No portion of the project while construction is intended to be stable in the absence of the contractor's temporary supports and braces. Contractor shall retain a structural engineer licensed in the state in which the project is located to design temporary bracing and construction supports.

The contract documents represent the structure only. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not limited to, bracing, shoring, underpinning, etc. the Engineer of Record is not responsible for the contractor's means, methods, techniques, sequences or safety procedures during construction.

The specifications are an integral part of the contract documents and shall be used in conjunction with the structural drawings.

The contractor shall verify all existing dimensions and conditions and coordinate with the structural drawings, architectural drawings, drawings from other consultants, project shop drawings and field conditions.

Apply details, sections, and notes on the drawings where conditions are similar to those indicated by detail, detail title or note.

Only use dimensions indicated on the drawings. Do not scale drawings.

Assume equal spacing between established dimensions, if not indicated on drawings.

Centerlines of columns and foundations coincide with grid line intersections, uno.

Centerlines of grade beams and walls coincide with centerlines of foundations, uno.

Centerlines of framing members coincide with column centerlines, uno.

The contractor shall verify that construction loads do not exceed the capacity of the structure at the time the load is applied.

Reactions and forces indicated in these documents are maximums, combined using Allowable Strength Design (ASD) load combinations, unless noted otherwise.

If Drawings and specifications are in conflict, the most stringent restrictions and requirements shall govern.

Notes and details shall take precedence over general structural notes. Where no details or sections are shown, construction shall conform to similar work on the project. Typical sections and details may not be cut on the plans, but apply unless noted otherwise.

Verify all existing conditions prior to any construction or fabrication. If different than shown, notify engineer/architect immediately for modification of drawings.

Provisions for future expansion:
Horizontal: None
Vertical: None

CODES AND DESIGN CRITERIA

CODES		
Building Code:	2012 International Building Code	
Local Building Code:	Indiana Building Code 2014	
Code Standard:	ASCE 7-10	
Steel Standard:	AISC 360-10 ASD	
Steel Seismic Standard:	AISC 341-10 ASD	
Concrete Standard:	ACI 318-11	
Masonry Standard:	TMS 402/602-11	
Wood Standard:	AITC/APA/NDS Current Ed.	
Risk Category:	IV Essential Facilities	
Exposure Category:	C	
SOILS		
Soils Report:	Atlas, Proposed Fire Station, #170GC01962	
Report Date:	06-27-2025	
	Spread	Wall
Allowable Bearing Pressure, qa:	2500 psf	2500 psf
WIND DESIGN CRITERIA		
Ultimate Wind Speed, Vult:	120 mph	
Design Wind Speed, Vasd:	93 mph	
Enclosure Class:	Enclosed	
Internal Pressure Coefficient, GCpi:	0.18	
Roof Net Uplift:	See S-010 Loading Sheet	
SNOW DESIGN CRITERIA		
Ground Snow Load, Pg:	20 psf	
Flat Roof Snow Load, Pf:	16.8 psf	
Minimum Snow, Pm:	NA	
Importance Factor, Is:	1.2	
Exposure Factor, Ce:	1.0	Partially
Thermal Factor, Ct:	1.0	Heated
Warm Slope Factor, Cs:	1.0	
SEISMIC DESIGN CRITERIA		
Importance Factor, Ie:	1.5	
Ss:	0.176	
S1:	0.093	
SDS:	0.188	
SD1:	0.149	
Site Class:	D	
Seismic Design Category:	D	
FIRE STATION BUILDING		
Overstrength Factor, Ω:	3	
Seismic Response Coefficient, CS:	0.044	
Unfactored Design Base Shear, V:	4.4% * W	
Analysis Procedure:	ELFA	
Basic Seismic-Force-Resisting System:	A. Bearing Wall Systems 15. Light-frame (wood) walls sheathed with wood structural panels rated for shear resistance, R=6.5, Cd=4	
MEZZANINE		
Overstrength Factor, Ω:	2.5	
Seismic Response Coefficient, CS:	0.057	
Unfactored Design Base Shear, V:	5.7% * W	
Analysis Procedure:	ELFA	
Basic Seismic-Force-Resisting System:	A. Bearing Wall Systems 7.Special reinforced masonry shear walls, R=5, Cd=5	

SHOP DRAWINGS SUBMITTAL

The Contractor shall prepare detailed shop drawings to enable all parts of the work to be fabricated and constructed in accordance with the drawings and specifications. These shop drawings will be reviewed for general compliance with the design intent only. The contractor is responsible for all dimensions, accuracy and fit of the work.

Shop drawings (plans, details, sections, and schematics, etc) must be produced and provided by the contractor to demonstrate a clear understanding of the contract documents. The use of these documents in lieu of the preparation of shop drawings is strictly prohibited.

All shop drawings shall be reviewed by the contracted prior to submittal to the structural engineer. Drawings without the contractor's review will be returned without review.

Work requiring submittals for structural engineer review shall not be started by the contractor without approved submittals. Work performed by the contractor prior to receiving appropriate received submittals shall be subject to removal and replacement as deemed necessary by the structural engineer, at the contractor's expense, and with no cost to the owner

Submit shop drawings for each of the following items:

1. CONCRETE MIX DESIGNS
2. REINFORCING STEEL - FOUNDATIONS
3. CONCRETE MASONRY UNITS
4. REINFORCING STEEL - CONCRETE MASONRY UNITS (SUBMITTAL SHALL INCLUDE PLAN VIEW, WALL ELEVATIONS AND WALL SECTIONS)
5. EMBEDDED ITEMS
6. STRUCTURAL WOOD FRAMING - LOAD BEARING STUDS, SILLS, FLOOR JOISTS, ROOF JOISTS, LEDGERS AND SPECIFIED ANCHORS CLIPS AND FASTENERS.

014000 DELEGATED DESIGN

DELEGATED DESIGN REQUIREMENTS
A Specially Structural Engineer (SSE), registered in the state of the project, shall be responsible for the structural design of the following products and systems complying with specific performance and design criteria indicated.

1. Stairs, ladders, and railings.
2. Sprinkler supports and required loading.
3. Pressed-plate Wood Trusses

The contractor is to review each submittal prior to forwarding to architect and structural engineer. The contractor is to stamp each submittal verifying that the following is addressed:

1. The shop drawing is requested.
2. The shop drawing is based on the latest design.
3. The architect' s and structural engineer' s comments from any previous submittals are addressed.
4. The work is coordinated among all construction trades.
5. Revisions from previous submittals are clearly marked by circling or clouds.
6. Submittal is complete.
7. Submittal does not include substitution request
8. Submittal shall include a stamp indicating project name and location, submittal number, specification section number.

The structural engineer shall return, without comment, submittals which the contractor has not stamped or which do not meet the above requirements. The structural engineer' s review of submittals shall be for general conformance with the design intent. No work shall be started without such review.

The structural engineer will return the shop drawing items within ten working days after having received the reproducible shop drawing.

020000 SHALLOW FOUNDATION AND SLAB ON GRADE NOTES

Soil to be stripped, compacted and tested in accordance with the recommendations of the soils engineer and project specifications.

Footings shall be placed on firm, undisturbed soil or on engineered fill. Engineered Fill: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve. All fill shall be compacted to a minimum dry density of 98% of the standard Proctor maximum dry density (ASTM-D698), placed in 6" to 8" lifts.

Slabs shall be placed on 6" compacted, free-draining, frost-free drainage course. Drainage Course: Narrowly graded mixture of washed crushed stone, or crushed or uncrushed gravel; ASTM D 448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2-inch sieve and 0 to 5 percent passing a No. 8 sieve. All fill shall be compacted to a minimum dry density of 98% of the standard Proctor maximum dry density (ASTM-D698), placed in 6" to 8" lifts. Pea gravel may not be used as fill. Utility trenches and excavations under the foundations or slabs shall meet the same requirements. See soils investigation report for further recommendations.

Undercutting of the soil for foundation and/or slab placement may be required. These drawings do not indicate the entire scope of undercutting, fill or bad soil removal that may be required to attain the design soil bearing pressures. It is the responsibility of the contractor to obtain a soils investigation report, before bidding, to assess the extent of excavation and compaction that may be required to meet the design criteria. The contractor shall retain the services of a soils engineer to monitor all backfilling operations and to inspect footing bearing material. A report certified by the soils engineer shall be furnished to the architect/engineer verifying that all foundations were placed on a material capable of sustaining the design bearing pressures.

If dewatering is required, sumps shall not be placed within the foundation excavation.

Maintain a maximum slope between adjacent footing bearing elevations of 2 horizontal to 1 vertical. Maintain a 2 horizontal to 1 vertical slope next to existing foundations to avoid undermining foundations.

No horizontal joints are permitted in any foundation. Vertical joints are permitted only in wall footings.

Shallow foundations may be earth-formed where the excavation permits. If earth-forming is used, add 2" to the width and length of all foundations.

The bottom of all foundations shall be a minimum of 36" depth below final grade.

033000 CAST IN PLACE CONCRETE NOTES (Foundations, Slabs, & Walls)

See concrete mix schedule for mix design requirements.

All reinforcing shall conform to the following concrete cover:

COVER	LOCATION
3"	Foundations & Footings: All surfaces; Exterior Slabs: Bottom; Grade Beams & Trench Footings: All surfaces; All concrete cast against soil.
2"	Exterior Walls, All Piers & All Pilasters: All surfaces; Exterior Slabs: Top; All exterior concrete
1 1/2"	Interior beams & columns: All surfaces; All concrete not exposed to weather or in contact with ground.
3/4"	Interior slabs, Walls & joists

Welded Wire Reinforcement (WWR) for slabs and fill for metal deck shall be placed in the upper-third of the slab or fill. See details.

All reinforcing steel shall be detailed, supplied and placed in accordance with ACI 315, ACI 318 and CRSI MSP-1.

All reinforcing steel shall be shop fabricated and, where applicable, shall be wired together and conform to ASTM A-615, Grade 60.

Chamfer edges of exposed concrete 3/4", unless noted otherwise.

Contractor shall make four, 6"x12" test cylinders for each 50 cubic yards of concrete poured for each days operation. Break 1 at 7 days, 2 at 28 days and retain spare.

All welded wire fabric shall conform to ASTM A1064, Fy(min) of 65 ksi. All welded wire fabric laps shall be 8".

All finished concrete, concrete formwork and falsework shall be in accordance with ACI 301. Contractor is solely responsible for the design and construction of all formwork, falsework and shoring.

Provide sleeves for all openings in grade beams or walls to totally separate pipe from concrete.

Foundations may be earth-formed where the excavation permits. If earth-forming is used, add 2" to the width, length & thickness of all foundations.

Plastic Vapor Retarder: ASTM E 1745, Class A, not less than 10 mils (0.25 mm) thick, see specifications. Include manufacturer's recommended adhesive or pressure-sensitive joint tape.

Adhesive Anchors and Adhesives Used for Reinforcing Anchorage:
1. The adhesive anchor system used for post-installed anchorage to concrete shall conform to the requirements of the most recently published ACI 355.4.
2. Adhesive anchors indicated are the Basis-of-Design. Approved equal meeting ACI 355.4 is permitted.
3. Bulk-mixed adhesives are not permitted.
4. Anchors shall be supplied as an entire system with manufacturer's recommendations adhered to.
5. Adhesive anchors shall be installed by qualified personnel trained to install adhesive anchors.
6. Installation of adhesive anchors horizontally or upwardly inclined shall be performed by personnel certified by the ACI/CRSI Adhesive Anchor Installer Certification program.
7. Adhesive anchors installed in horizontal or upwardly inclined orientations shall be continuously inspected during installation by an inspector specially approved for that purpose.

Bonding agent for bonding fresh concrete to hardened concrete: ASTM C 1059/C 1059M, Type II, nonredispersible, acrylic emulsion or styrene butadiene.

042000 MASONRY AND REINFORCED MASONRY NOTES

Minimum 28 day compressive strength of concrete masonry units shall be 2000 p.s.i. based on net area of the unit. Specified design compressive strength of masonry shall be f'm = 2000 p.s.i. All units for exterior walls, load-bearing walls and shear walls shall be normal weight block.

All mortar shall be Type S. No admixtures may used unless approved by architect/engineer. Mortar shall not be used for grouting cores or filling bond beams.

Lay masonry units in running bond uno with units designed to align with webs on each course.

Course grout shall be used where grouting is required. Slump shall be 8" +/- 1". Minimum grout compressive strength shall be 2000 p.s.i.

All reinforcing shall be ASTM A615 Grade 60 (Fy=60 ksi). Lap all reinforcing a minimum of 48 bar diameters.

Center vertical reinforcing in block cores, unless noted otherwise.

See architectural and specifications for all control joint locations. Reinforcing in bond beams shall be discontinuous at control joints.

Provide ladder type horizontal joint reinforcement at 16" o.c. typical and 8" o.c. for parapets and below ground floor elevation. Side rods and cross rods shall be #9 wire, galvanized, see specifications. Cut joint reinforcement at control joints.

Provide "L" bars at all bond beam corners as required.

Fill cores of block solid with grout two full courses below the bearing of all beams or lintels supported on masonry.

All attachments to block shall be made with Hilti HLC 1/2" diameter x 3" sleeve anchors, unless noted otherwise. Anchors shall be installed per manufacturer's recommendations.

See typical schedules for masonry and steel lintels not indicated on plans.

Grout solid cores with reinforcement. Grout solid cells in below grade construction where masonry is in contact with soil.

Provide ties to all structural steel.

All interior, non-load bearing masonry walls over 12'-0" high, shall be supported on thickened slab as per typical detail. Wall vertical reinforcing shall be #5 @ 48" OC full height. Unless noted otherwise.

Place grout by low-lift method. Maximum grout pour shall be 5 feet.

061000 SAWN LUMBER NOTES

Size, species and grade for sawn lumber shall be as follows. All lumber shall be grade-stamped:

Size	Design Species	Design Grade
2x4, 2x6	Spruce-Pine-Fir (SPF)	No.1/No.2
2x8, 2x10, 2x12	Southern Pine (SP)	No. 1
4x4 and Larger	Southern Pine (SP)	No. 1

Alternates:

Size	Alternate Species	Alternate Grade
2x4, 2x6	Douglas Fir-Larch (North)	No.1/No.2
2x8, 2x10, 2x12	Douglas Fir-Larch	No.1 & Better
4x4 and Larger	Douglas Fir-Larch	No.1 & Better

All wood, connections, accessories, and erection shall be in conformance with the current edition of NFPA National Design Specification.

All connectors shall be Simpson Strong-Tie, galvanized, unless otherwise approved by the EOR.

All bolts, washers and nuts shall be carbon steel, unless noted.

All nails to be common type.

All sill plates shall be treated with preservative treatment.

All exterior lumber permanently exposed to weather shall be pressure-treated.

Attach all sill plates to studs with (4) 8d common nails (toenail) or (2) 16d common nails (end nail).

Attach all top plates to studs with (2) 16d nails.

Comply with International Building Code Table 2304.9.1 for all fasteners not indicated.

See Wood Framed Wall Schedule and Shear Wall Schedule for additional fastening requirements.

Provide double joists under all non-load bearing walls.

Provide double joists and headers at all floor or roof openings exceeding typical sheathing span. Provide single headers to support sheathing at edges of openings less than typical sheathing span.

061002 WOOD SHRINKAGE NOTES

Wood shrinkage is based on the following moisture contents:
Initial Moisture Content 19% (KD or S-Dry)
Final Moisture Content 8% (In Service)

Approximate Cumulative shrinkage at each level (inches):
Roof 0.27

Designers and contractors for systems affected by wood shrinkage shall be responsible for accounting for approximate shrinkage in their design and their construction.

061101 ENGINEERED WOOD NOTES

All manufactured engineered wood listed as been designed using product data from Weyerhaeuser Corporation. Engineered wood members supplied by other manufacturer's shall meet or exceed the criteria for the designated Weyerhaeuser Corporation product for the span, spacing, and loads indicated in the construction documents.

All properties listed are for dry-use conditions.

All connectors shall be manufactured by Simpson Strong-Tie Company.

Contractor shall provide a complete installation of Manufactured engineered wood members, including but not limited to, all blocking, stiffeners, and similar items.

Manufactured engineered wood shall be designed by the supplier to meet the project requirements indicated in the construction documents. Layout and design of members shall be signed and sealed by an Engineer licensed to practice in the project state, and submitted to the SER for review.

All engineered wood shall be commercial grade.

All engineered wood permanently exposed to weather shall be pressure-treated, coated or sealed. Comply with manufacture's recommendations.

Manufactured Laminated Veneer Lumber designated as LVL shall be supplied with the following minimum material properties, for 12" depths:

Extreme Fiber Stress in Bending, Edgewise:	2,600 psi
Extreme Fiber Stress in Shear, Horizontal:	285 psi
Modulus of Elasticity, Edgewise:	2,000,000 psi

Manufactured Parallel Strand Lumber designated as PSL shall be supplied with the following minimum material properties, for 12" depths:

Extreme Fiber Stress in Bending, Edgewise: PSL)	2,900 psi (Beam - 2.0E Parallam
Extreme Fiber Stress in Bending, Edgewise: PSL)	2,400 psi (Column - 1.8E Parallam
Modulus of Elasticity, Edgewise:	2,000,000 psi (Beam 2.0E)
Modulus of Elasticity, Edgewise:	1,800,000 psi (Column 1.8E)
Extreme Fiber Stress in Shear, Horizontal:	290 psi (Beam)

For all PSL members permanently or partially exposed to exterior conditions, provide the following:
PSL Parallam Plus Service Level SL2 AWPA Use Category UC3B

Manufactured Wood I-Joists designated as Wood I-Joists shall be supplied to meet the minimum loading and depth requirements as indicated on the drawings, and the following:

Floor Maximum Total Deflection	Span / 360
Floor Maximum Live Deflection	Span / 480
Roof Maximum Total Deflection	Span / 240
Roof Maximum Live Deflection	Span / 360

Manufactured Wood Open Web Trusses designated as Open Web Trusses shall be supplied to meet the minimum loading and depth requirements as indicated on the drawings, and the following:

Floor Maximum Total Deflection	Span / 360
Floor Maximum Live Deflection	Span / 480
Roof Maximum Total Deflection	Span / 240
Roof Maximum Live Deflection	Span / 360

061600 WOOD STRUCTURAL PANEL NOTES

All wood structural panels shall be plywood conforming to DOC PS-1 or DOC PS-2, or, oriented-strand-board (OSB) conforming to DOC PS-2. Sheathing shall meet the following minimum requirements, unless noted otherwise:

Roof: 23/32", Exposure 1, Structural 1, Span Rating 40/20, Square Edge, Nailed
Floor: 23/32", Exposure 1, Sturd-I-Floor, Span Rating 24" o.c., Tongue & Groove Edge, Glued and Nailed
Wall: 7/16", Exposure 1, Structural 1, Span Rating 32/16, Square Edge,Nailed

Floor structural panels shall be Combination Subfloor-Underlayment, uno.

Roof structural panel joints shall be staggered. Provide panel clips for all roof sheathing.

All structural panels shall have long dimension perpendicular to supports. Provide 1/8" gap for all sheathing joints.

Space all nails 3/8" minimum from panel or supporting member edge. Nails to penetrate supporting members by 1-5/8" minimum.

Edge of openings through roofs or walls shall be nailed per boundary nailing requirements indicated in typical detail.

See architectural roof plan to establish all elevations, openings, equipment and other requirements not indicated on structural drawings.

All nails to be 10d common, unless noted otherwise. For fastening not indicated, comply with International Building Code Table 2304.9.1.

All structural panels permanently exposed to weather shall be pressure-treated.

All fasteners to cold formed steel framing shall be screws in lieu of nails. See details for screw size and spacing requirements.

061753 MANUFACTURED WOOD TRUSS NOTES

Wood trusses shall be designed by the manufacturer to support the following loads:

Top Chord Dead & Top Chord Live:	See Load Maps
Bottom Chord Dead:	See Load Maps
Wind & Seismic Loading:	Per the 2014 Indiana Building Code. Refer to the Design Criteria Notes for design info.
Snow Loading:	See Load Maps.

Trusses shall meet the following deflection criteria, unless otherwise noted. Maximum live load deflection shall not exceed:

Roofs:	L/240
Floors:	L/480

Wood trusses shall be designed by the manufacturer in accordance with the applicable provisions of the latest edition of the National Design Specification of the National Forest Products Association, The Design Specification for Metal Plate Connected Wood Trusses of the Truss Plate Institute (TPI), Wood Structural Building Components Association (SBCA) and the Indiana Building Code.

Wood trusses shall be fabricated by a Truss Manufacturer who maintains written procedural and quality control manuals and engages in periodic auditing of fabrication practices and inspections as required by ANSI/TPI 1, Chapter 3. In addition, the Truss Manufacturer shall engage in periodic, unannounced auditing by an approved third-party inspection agency such as TPI for review. If the Truss Manufacturer cannot fulfill these requirements, the Structural Engineer of Record may, at his discretion, require or accept from the Truss Manufacturer, a letter sealed by a Professional Engineer registered in the State of Indiana verifying his inspection of the manufactured wood trusses supplied for this project. The SSE shall verify that the trusses are in compliance with the quality standards of ANSI/TPI 1, Chapter 3. The SSE shall have significant prior experience in the inspection of metal plate-connected wood trusses.

Wood materials shall be Southern Pine, or Douglas Fir-Larch and shall be kiln-dried and used at 19% maximum moisture content. Provide Grade No. 2 or better as required to satisfy stress requirements.

Connector plates shall be not less than 0.036 inches (20 gauge) in coated thickness, shall meet or exceed ASTM Grade A or higher and shall be hot-dip galvanized according to ASTM A-653 (coating G60). Minimum steel yield stress shall be 33,000 psi.

Trusses shall be fabricated in a properly-equipped manufacturing facility of a permanent nature. Trusses shall be manufacture by experienced workmen, using precision cutting, jigging and pressing equipment under the requirements in quality control as indicated in ANSI/TPI 1, Chapter 3.

Secondary bending stresses in truss top and bottom chords due to dead, live, and wind loads shall be considered in the design. Load duration factors shall be per the "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION".

All girder trusses supporting other trusses of 2x framing members shall be a MINIMUM of (2) plies, unless otherwise approved. Refer to the Manufacturer's Truss Design Drawing for girder ply-to-ply connection requirements. Attach framing members or loads only after all girder plies are in place and properly fastened together, and the girder truss is properly braced to prevent lateral displacement. Refer to BCSI-B9 "Multi-Ply Girders" as published by SBCA and TPI for additional information.

Truss-to-girder connection information shall be on the Mfr's Truss Design Drawing of the carried-truss, girder truss, or the Mfr's Truss Placement Drawing. Unless otherwise approved, all truss/joist hangers, strapping, ties, etc. shall be as manufactured by the Simpson Strong Tie Company.

Unless otherwise shown or noted, ALL truss bearings shall be anchored using a mechanical fastener. As a minimum, provide SDWC screw anchor by the Simpson Strong Tie, installed as shown in the details on these plans.

Wood trusses shall be erected in accordance with the Truss Manufacturer's requirements. This work shall be done by a qualified and experienced contractor. Truss erection by an inexperienced or non-qualified contractor can result in construction collapse and/or serious injury damage.

Where long span trusses (greater than 60' span) are used, refer to BCSI (especially BCSI-B1 and BCSI-B2) special recommendations and requirements for the installation and temporary restraint/bracing of long span trusses. Follow all BCSI recommendations and requirements for the installation and temporary restraint/bracing of long span trusses including consulting a registered Professional Engineer familiar with the installation and temporary restraint/bracing of long span trusses.

The contractor shall provide all temporary and permanent bracing/restraints as required for safe erection and performance of the trusses. The guidelines set forth by the following joint publications of the Truss Plate Institute (TPI) and Structural Building Components Association (SBCA) shall be adhered to unless otherwise noted in the Contract Documents:

BCSI-B1 GUIDE FOR HANDLING, INSTALLING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.

BCSI-B2 TRUSS INSTALLATION AND TEMPORARY BRACING.

BCSI-B3 WEB MEMBER PERMANENT BRACING/WEB REINFORCEMENT

BCSI-B4 CONSTRUCTION LOADING

BCSI-B5 TRUSS DAMAGE, JOBSITE MODIFICATIONS AND INSTALLATION ERRORS.

BCSI-B6 GABLE END FRAME BRACING

BCSI-B7 TEMPORARY AND PERMANENT BRACING FOR PARALLEL CHORD TRUSSES

BCSI-B8 TOE-NAILING FOR UPLIFT REACTIONS

BCSI-B9 MULTI-PLY GIRDERS

BCSI-B10 POST FRAME TRUSS INSTALLATION AND BRACING

BCSI-B11 FALL PROTECTION AND WOOD TRUSSES

Unless otherwise noted, permanent bracing shall consist of 2x4 stress-graded members spanning a minimum of four trusses and nailed at each intersection with a minimum of (2) 16d nails. Lap continuous bracing a minimum of 2'-0" (2 trusses). **Design and layout of temporary and permanent bracing is the responsibility of the manufacturer.**

Refer to Manufacturer's Truss Design Drawing for web members requiring web member permanent restraint or reinforcement. Continuous lateral restraints must ALWAYS be diagonally braced for rigidity.

Wherever possible, the temporary erection bracing as described in BCSI-B2 shall be left in place to function as permanent bracing.

'T' or 'L' reinforcement of the type described in BCSI-B3 shall be used as the means of resisting web member buckling forces in girder trusses and small-quantity trusses. Girder trusses shall be those trusses supporting other trusses, beams, or framing, or trusses more than 24" o.c. Small quantity trusses shall be those where because of the small quantity of similar trusses with aligned web members requiring bracing/restraint (such as parallel step-down trusses), the installation of continuous lateral restraints and the diagonal bracing for the continuous lateral braces is impractical using the methods of BCSI. Such 'T' or 'L' reinforcement shall be designed by the Truss Design Engineer and shown on the sealed Truss Design Drawings.

Design all wood truss bearings using the compression perpendicular-to-grain value of the truss lumber OR the wall plate lumber/nailer, WHICHEVER IS LESS. The bearing length or area shown on the sealed truss drawings shall be based on this lesser value. Use additional truss plies or truss bearing enhancement devices to achieve the required bearing area. If the bearing enhancement device has a valid ESR report, it may be shown on the Truss Placement Plan instead of being shown on the sealed Truss Drawings.

Trusses which are too tall for delivery to the jobsite in one piece may be manufactured in two or more sections and "piggybacked" at the jobsite. The contractor MUST install temporary and permanent bracing for the lower supporting trusses as shown on the Manufacturer's Truss Design Drawing and/or the Contract Documents BEFORE installing the cap trusses. The connection between the cap and base truss shall be shown on the sealed Truss Design Drawing. Provide, as minimum, 4x2 sleepers laid flat on the top chord with a minimum of two 16d nails (see Truss Design Drawing for any other or additional requirement). Provide 4' o.c. (brace to brace) diagonal bracing at 45 degrees to brace the sleepers. Install diagonal braces on the bottom side of the top chord in the cap area, unless otherwise specified by the Truss Design Engineer.

When indicated on the plans or when a cap truss length exceeds 20', in lieu of the sleepers and diagonal bracing indicated above, structural wood sheathing on the top chord of the base truss in the cap area shall be used as the means of bracing/restraining the base truss in the cap area. The connection between the cap and base truss, shown on the sealed Truss Design Drawing, shall take this into account. Cap trusses must be directly above base trusses.

Truss members and components shall not be cut, notched, drilled nor otherwise altered in any way without the written approval of the Truss Design Engineer (See Specialty Structural Engineer notes).

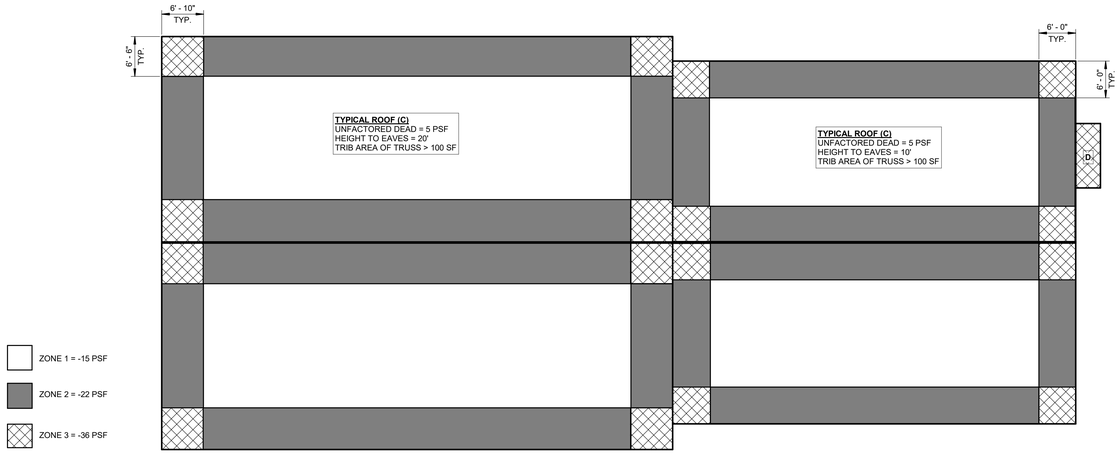
Where trusses and/or wood joists and rafters are called to be supported by steel beams, provide continuous double 2x nailer(s) field-bolted to the top of the steel beam with 1/2" diameter carriage bolts spaced a maximum of 24" on center and staggered each side of beam web. Width of nailer to be width of beam flange +1/2"/-1/4", unless otherwise noted. carriage bolts may be over-tightened to compress the rounded head in the nailer to facilitate installation of continuous band/rim joists, rafters, trusses, etc.

Coordinate final truss layout and truss web member configuration with mechanical, electrical and plumbing trades. Keep all mechanical chases free of trusses. Align floor truss web layout, including open Vierendeel panels for all parallel trusses with similar spans to provide maximum flexibility of MEP installation. Do not locate trusses at parallel plumbing walls.

Submit complete shop drawings for all wood trusses showing member sizes, species, grade, moisture content, span, camber, dimensions, number of plies and truss ply-to-ply connections, reactions and bearing requirements, chord pitch, restraint/bracing requirements, and loadings including any girder loads, field assembly of multi-part trusses, and required cap truss to base truss connection. No reference to another drawing sheet, note external to that individual truss drawing, or detail not shown on that individual truss drawing may be used to convey any of this required information. Shop Drawings shall be submitted to the Structural Engineer of Record and shall bear the seal of a Professional Engineer registered in the State of Indiana.

ABBREVIATIONS LIST

AR	ANCHOR RODS	O/O	OUT TO OUT
ABV	ABOVE	OA	OVERALL
ACI	AMERICAN CONCRETE INSTITUTE	OC	ON CENTER
ADD'L	ADDITIONAL	OD	OUTSIDE DIAMETER
ADH	ADHESIVE	OF	OUTSIDE FACE
ADJ	ADJACENT	OH	OVER HEAD
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	OPNG	OPENING
		OPP	OPPOSITE
AFF	ABOVE FINISHED FLOOR	OPP HD	OPPOSITE HAND
AGGR	AGGREGATE	OSB	ORIENTED STRAND BOARD
AHU	AIR HANDLING UNIT	OSL	OUTSTANDING LEG
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	OVS	OVERSIZE HOLE
		PAF	POWDER ACTUATED FASTENER
AISI	AMERICAN IRON AND STEEL INSTITUTE	PC	PRECAST
		PL	PLATE
ALUM	ALUMINUM	PLF	POUNDS PER LINEAR FOOT
ALT	ALTERNATE	PLYWD	PLYWOOD
APPROX	APPROXIMATE	PNL	PANEL
ARCH	ARCHITECT	PROJ	PROJECTION
ARCHL	ARCHITECTURAL	PSF	POUNDS PER SQUARE FOOT
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	PSI	POUNDS PER SQUARE INCH
		PSL	PARALLEL STRAND LUMBER
AWS	AMERICAN WELDING SOCIETY	PT	PRESSURE TREATED
L	ANGLE	PTN	PARTITION
BAL	BALANCE	R	RADIUS
BB	BOND BEAM	RD	ROOF DRAIN
B/B	BACK TO BACK	REF	REFERENCE
BC	BOTTOM CHORD	REINF	REINFORCE(D) (ING) (MENT)
BD	BOARD	REQ'D	REQUIRED
BLDG	BUILDING	REV	REVISION/REVISED
BLK	BLOCK	RO	ROUGH OPENING
BLW	BELOW	RRD	ROOF RELIEF DRAIN
BM	BEAM	RTN	RETURN
BOTT	BOTTOM	RTU	ROOF TOP UNIT
BP	BEARING PLATE	RW	RETAINING WALL
BRDG	BRIDGING	SCHED	SCHEDULE
BRG	BEARING	SECT	SECTION
BRK	BRICK	SHT	SHEET
BS	BOTH SIDES	SIM	SIMILAR
BSMT	BASEMENT	SJ	SAW CUT JOINT
BTWN	BETWEEN	SJI	STEEL JOIST INSTITUTE
BUC	BUILT UP COLUMN	SL	SLOPED
c	CAMBER	SPA	SPACE(S)
C/C	CENTER TO CENTER	SPECS	SPECIFICATIONS
CANT	CANTILEVER	SQ	SQUARE
CAIS	CAISSON	SS	STAINLESS STEEL
CFS	COLD FORMED STEEL	SSL	SHORT SLOTTED HOLES
CJ	CONTROL AND/OR CONSTRUCTION JOINT	STD	STANDARD
		STIFF	STIFFENERS
CL	CENTERLINE	STL	STEEL
CLR	CLEAR	STRUCT	STRUCTURAL
CMU	CONCRETE MASONRY UNIT	SYMM	SYMMETRICAL
COL	COLUMN	T&B	TOP AND BOTTOM
COORD	COORDINATE	T&G	TONGUE AND GROOVE
COMP	COMPACTED	TB	TIE BEAM
CONC	CONCRETE	TC	TOP CHORD
CONN	CONNECTION	TCX	TOP CHORD EXTENSION
CONST	CONSTRUCTION	TEMP	TEMPERATURE
CONT	CONTINUOUS	TF	TRENCH FOOTING
CONTR	CONTRACTOR	THK	THICK
CTR	CENTER	THKS	THICKENED SLAB
CTR'D	CENTERED	THR'D	THREADED
DIA	DIAMETER	TL	TOTAL LOAD
DIAG	DIAGONAL	TOP'G	TOPPING
DIM	DIMENSION	TRANS	TRANSVERSE
DL	DEAD LOAD	TYP	TYPICAL
DLT	DEEP LEG TRACK	UNO	UNLESS NOTED OTHERWISE
DO	DITTO	VERT	VERTICAL
DN	DOWN	VIF	VERIFY IN FIELD
DTL	DETAIL	w/	WITH
DWG	DRAWING	WD	WOOD
DWL	DOWEL	WO	WINDOW OPENING (MASONRY)
EA	EACH	WP	WORKING POINT
EE	EACH END	WT	WEIGHT
EF	EACH FACE	WWF	WELDED WIRE FABRIC
EJ	EXPANSION JOINT		
ENG	ENGINEER	**ELEVATION TOP AND BOTTOM OF LIST**	
ELEV	ELEVATION		
ELECT	ELECTRICAL	T/	"ELEVATION, TOP OF"
EOD	EDGE OF DECK	B/	"ELEVATION, BOTTOM OF"
EOS	EDGE OF SLAB	J/BRG	JOIST BEARING ELEVATION
EQ	EQUAL	T/BB	TOP OF BOND BEAM
EQUIV	EQUIVALENT	T/BM	TOP OF BEAM
ES	EACH SIDE	T/CONC	TOP OF CONCRETE
EW	EACH WAY	T/F	TOP OF FOOTING
EXIST	EXISTING	T/LDG	TOP OF LEDGE
EXP	EXPANSION	T/MAS	TOP OF MASONRY
EXT	EXTERIOR	T/P	TOP OF PIER
F/	FACE OF	T/SLAB	TOP OF SLAB
FD	FLOOR DRAIN	T/STL	TOP OF STEEL
FDN	FOUNDATION	T/W	TOP OF WALL
FIN	FINISH	T/GB	TOP OF GRADE BEAM
FLR	FLOOR	T/CAIS	TOP OF CAISSON
FLG	FLANGE	B/PL	BOTTOM OF PLATE
FS	FARSIDE	B/F	BOTTOM OF FOOTING
FTG	FOOTING		
GA	GAUGE	**SPECIAL CHARACTERS**	
GALV	GALVANIZED		
GB	GRADE BEAM	°	DEGREE
GC	GENERAL CONTRACTOR	±	PLUS OR MINUS
GL	GLULAM	℄	ELEVATION
GR	GRADE	Ø	DIAMETER
HC	HOLLOW CORE		
HD	HOL



NOTE:
ALL DISPLAYED LOADS ARE COMBINED USING ASD LOAD COMBINATIONS 0.6D+0.6W

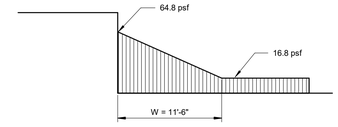
ROOF NET UPLIFT LOADING PLAN

SCALE: 1" = 10'-0"

UNIFORM LOAD SCHEDULE

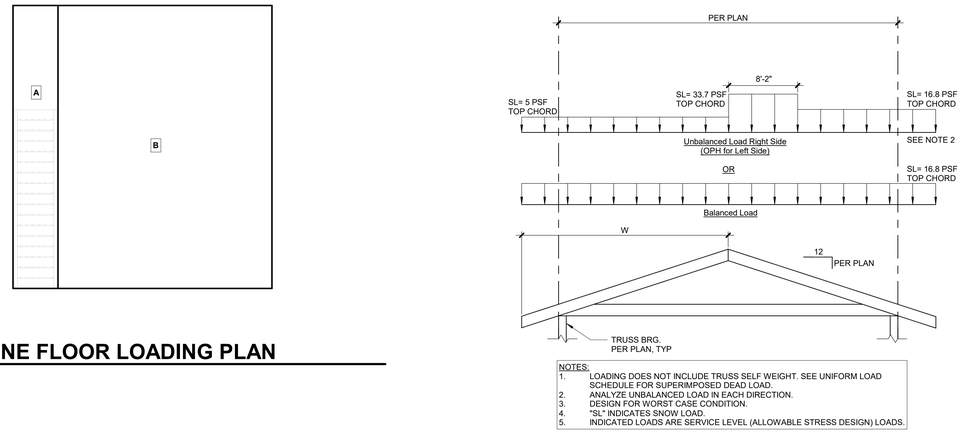
Mark	Description	Design Loads			
		Dead	Superimposed Dead	Live	Snow
A	Stair & Stair Landing	Note 1	10 psf	100 psf (NR)	NA
B	Mezzanine	Note 1	10 psf	125 psf (NR)	NA
C	Typical Roof	Note 1	Note 3	Note 4	Diagram
D	Canopy	Note 1	NA	20 psf	60 psf

Notes:
1. Dead Load (when defined) represents self-weight allowance of the primary structural system. When not defined, see drawings for member materials and sizes
2. Superimposed Dead Load is permanent uniform dead load allowance supported by the structure.For Snow Loads design for worst case of uniform snow or snow drift condition.
3. Roof Truss Superimposed Dead Loading:
   Top Chord = 10 psf
   Bottom Chord = 10 psf
4. Roof Truss Live Loading:
   Top Chord = 20 psf (NR)
   Bottom Chord = 10 psf (NR)
5. "NR" = Non-reducible Live Load.



Upper Roof to Lower Roof Section

DRIFT LOAD DIAGRAM

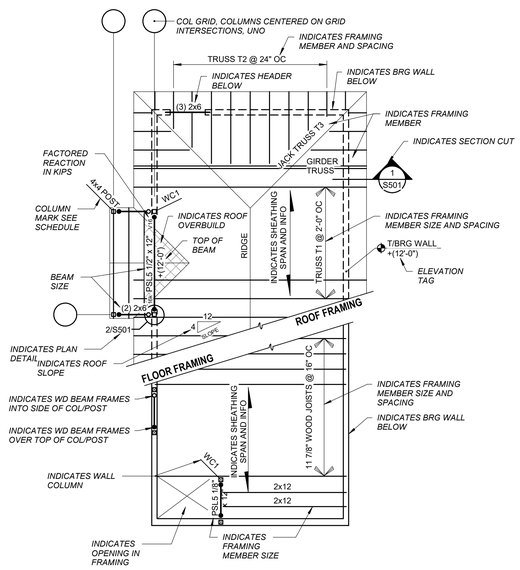


MEZZANINE FLOOR LOADING PLAN

SCALE: 3/16" = 1'-0"

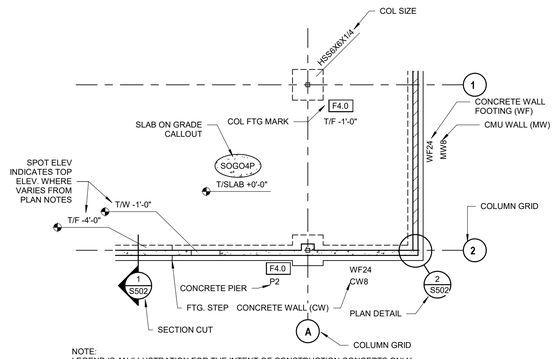
NOTES:
1. LOADING DOES NOT INCLUDE TRUSS SELF WEIGHT. SEE UNIFORM LOAD SCHEDULE FOR SUPERIMPOSED DEAD LOAD.
2. ANALYZE UNBALANCED LOAD IN EACH DIRECTION.
3. DESIGN FOR WORST CASE CONDITION.
4. "SL" INDICATES SNOW LOAD.
5. INDICATED LOADS ARE SERVICE LEVEL (ALLOWABLE STRESS DESIGN) LOADS.

SNOW LOAD DIAGRAM



WOOD FRAMING PLAN LEGEND

SCALE: 3/4" = 1'-0"



NOTE:
LEGEND IS AN ILLUSTRATION FOR THE INTENT OF CONSTRUCTION CONCEPTS ONLY.
SEE PLAN VIEW FOR ACTUAL DETAILS/DIMENSIONS/INFORMATION

TYPICAL FOUNDATION PLAN LEGEND

SCALE: 3/4" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF INDIANA
PROFESSIONAL ENGINEER
05.14.2026
Jessica Kay Barlow

PROJECT NUMBER:	2025013
DRAWN: SS	CHECKED: JB
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

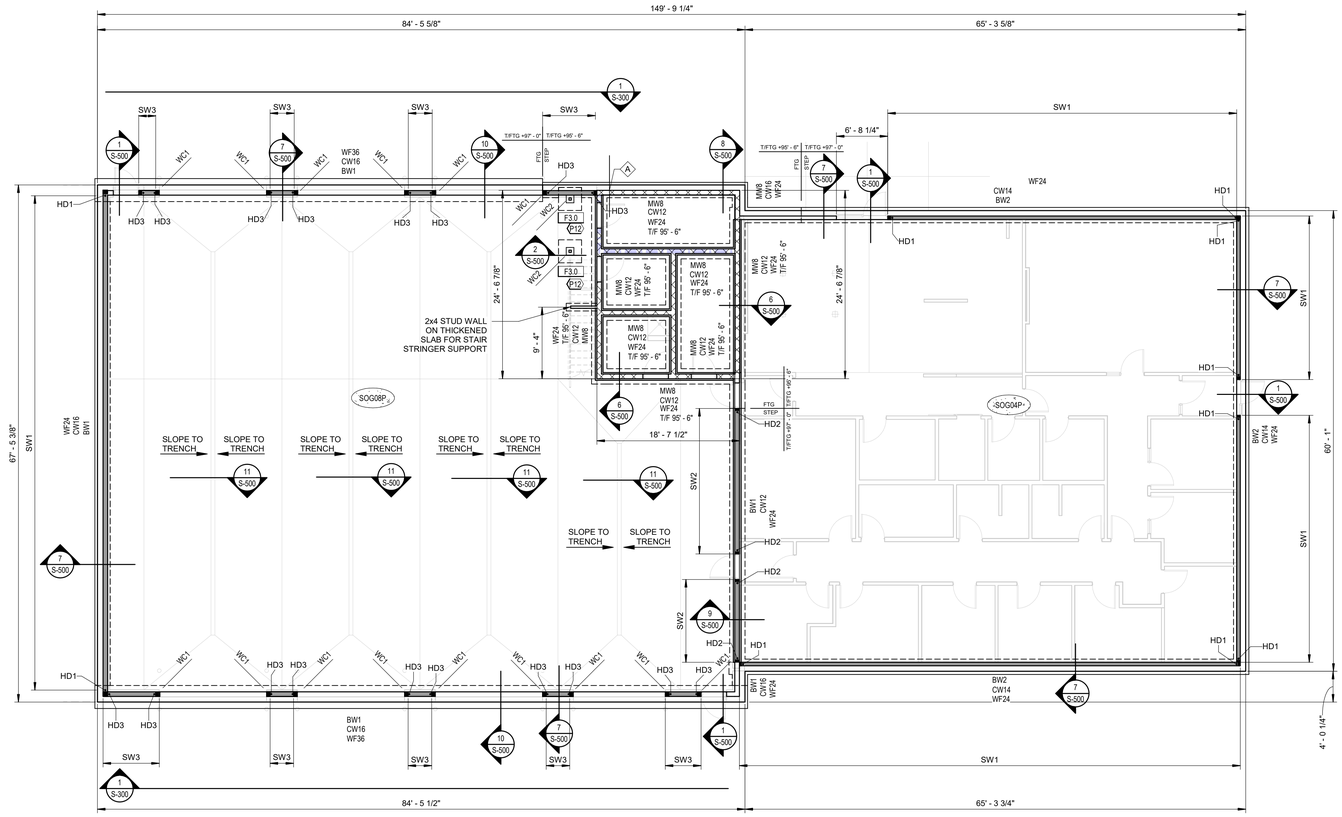
S NINEVEH ROAD
NINEVEH, IN 46164

LOAD MAPS & PLAN LEGENDS

S-010

5/13/2026 9:49:28 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R25.rvt

Key Note Plan Schedule Template	
#	NOTE
A	SEE 2/S-500 FOR TYPICAL PIPE/CONDUIT PENETRATION



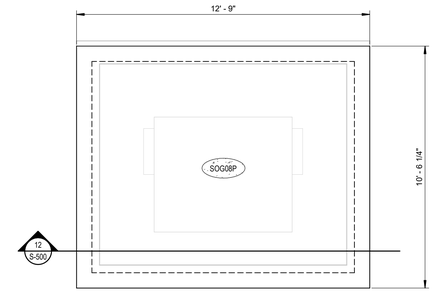
FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

N

FOUNDATION PLAN NOTES:

1. ELEVATIONS ±, ARE FROM NOMINAL FIRST FLOOR ELEV +100'-0", SEE CIVIL DRAWINGS.
2. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
3. TOP OF PIER (T/P) 99'-0", UNO.
4. TOP OF FOOTING (T/F) 97'-0", UNO.



NOTE: SEE ARCH AND CIVIL DRAWINGS FOR DUMPSTER LOCATION.

DUMPSTER ENCLOSURE FOUNDATION PLAN

SCALE: 3/8" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF INDIANA
PROFESSIONAL ENGINEER
05.14.2026

PROJECT NUMBER: 2025013
DRAWN: SS/JV/DM CHECKED: JB
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

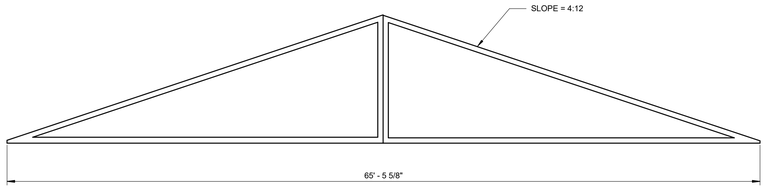
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

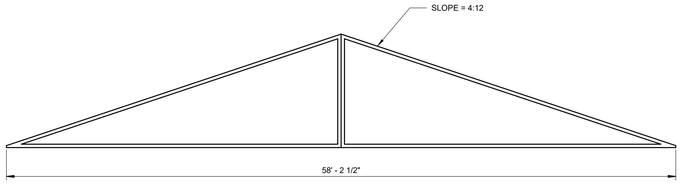
FOUNDATION PLAN

S-100

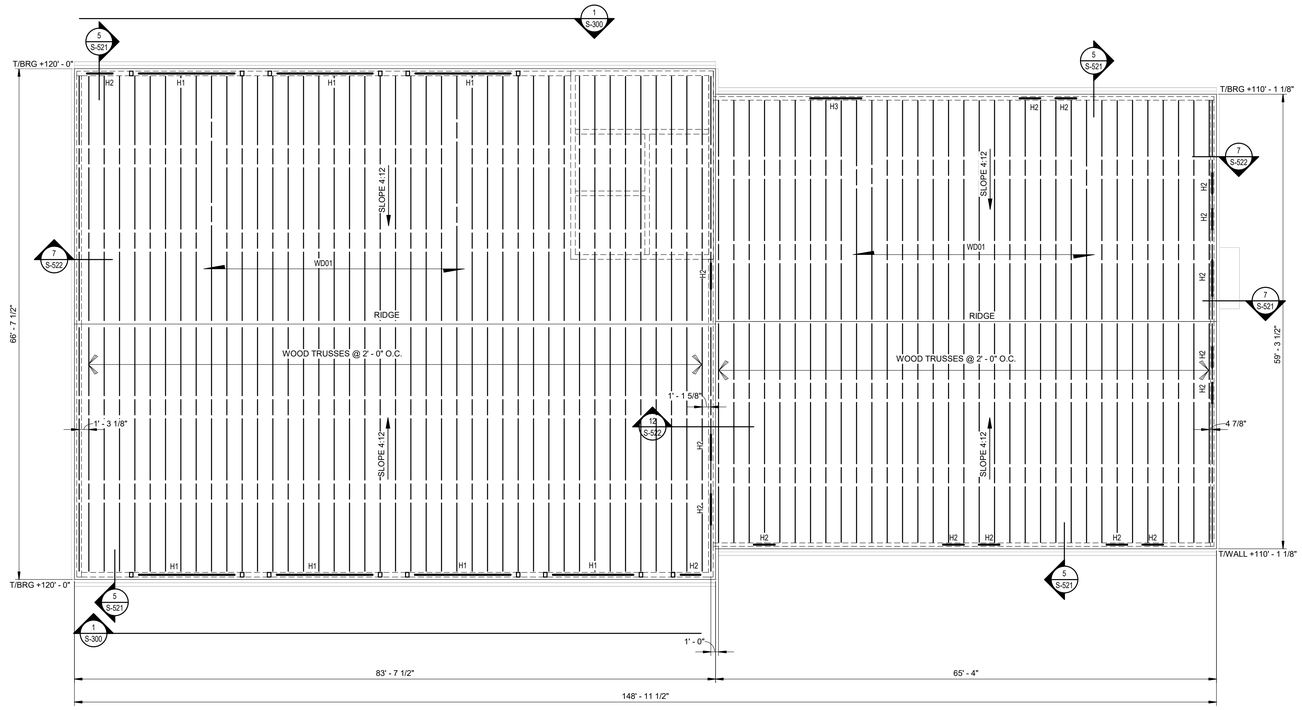
5/13/2026 3:49:29 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R25.rvt



APPARATUS BAY TRUSS PROFILE



LIVING QUARTERS TRUSS PROFILE

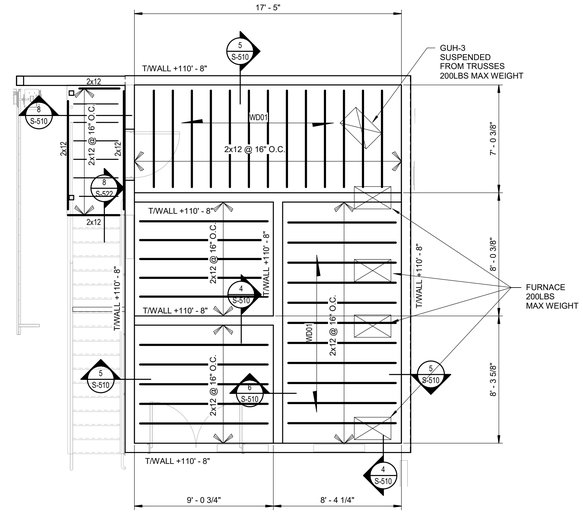


ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

FRAMING PLAN NOTES:

1. ELEVATIONS ±, ARE FROM NOMINAL FIRST FLOOR ELEV +100'-0", SEE CIVIL DRAWINGS.
2. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
3. COORDINATE DECK AND SLAB OPENINGS - EXACT SIZE AND LOCATION, WITH MECHANICAL AND PLUMBING CONTRACTOR DRAWINGS AND EQUIPMENT SUPPLIER.
4. VERIFY EQUIPMENT SIZE, WEIGHT, AND LOCATION WITH MECHANICAL CONTRACTOR.
5. THE TRUSS DELEGATED DESIGNER MUST COORDINATE TRUSS WEB OPENINGS WITH MEP LOCATIONS.
6. ALL HEADERS NOT SHOWN ON PLAN SHALL BE H2.



MEZZANINE FLOOR FRMAING PLAN

SCALE: 1/4" = 1'-0"

FRAMING PLAN NOTES:

1. ELEVATIONS ±, ARE FROM NOMINAL FIRST FLOOR ELEV +100'-0", SEE CIVIL DRAWINGS.
2. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
3. COORDINATE DECK AND SLAB OPENINGS - EXACT SIZE AND LOCATION, WITH MECHANICAL AND PLUMBING CONTRACTOR DRAWINGS AND EQUIPMENT SUPPLIER.
4. VERIFY EQUIPMENT SIZE, WEIGHT, AND LOCATION WITH MECHANICAL CONTRACTOR.
5. ALL HEADERS NOT SHOWN ON PLAN SHALL BE H2.
6. ALL FRAMING JOIST J/BRG = 109' - 8"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

JERICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF
INDIANA
PROFESSIONAL ENGINEER
05.14.2026

PROJECT NUMBER:	2025013
DRAWN: SS/JV/DM	CHECKED: JB
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

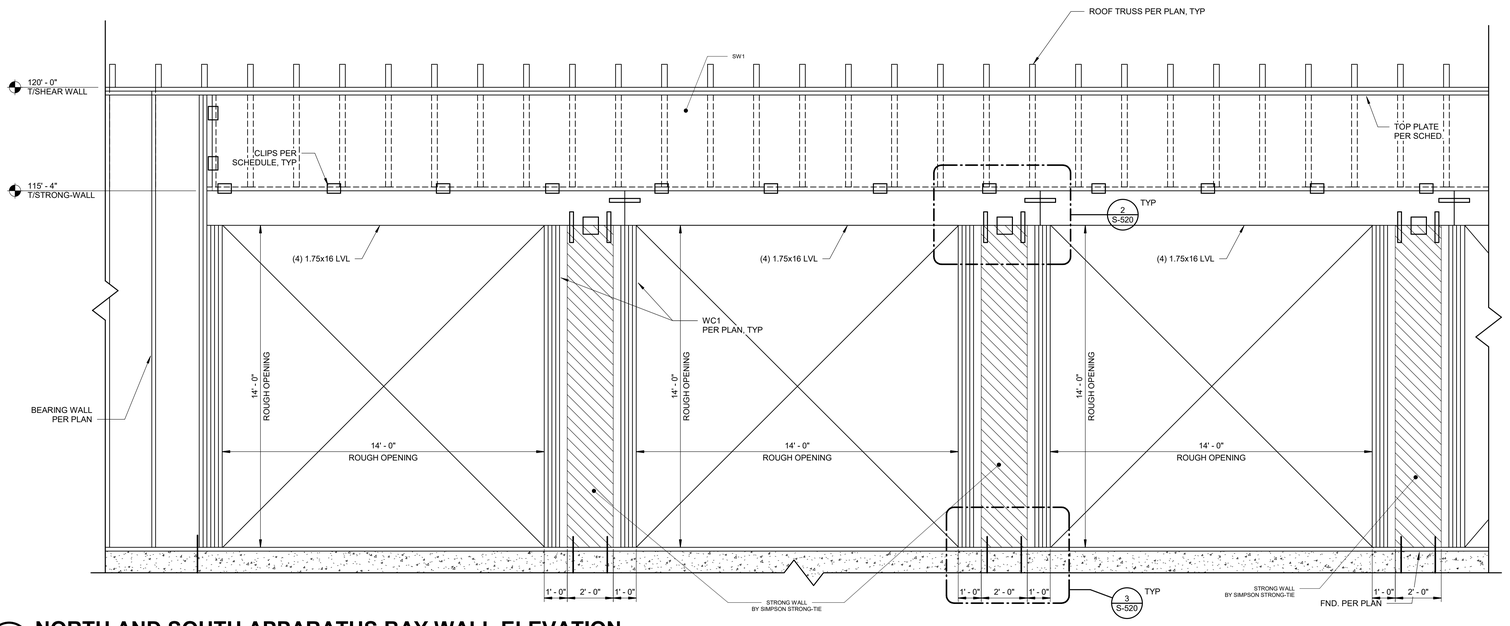
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ROOF FRAMING PLAN

S-111

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R24.rvt
3/13/2026 3:49:30 PM



1 S-300 **NORTH AND SOUTH APPARATUS BAY WALL ELEVATION**

SCALE: 3/8" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF
INDIANA
PROFESSIONAL ENGINEER
05.14.2026
Jessica Kay Barlow

PROJECT NUMBER: 2025013
DRAWN: SS CHECKED: JB
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE
PROTECTION DISTRICT
BOARD OF TRUSTEES

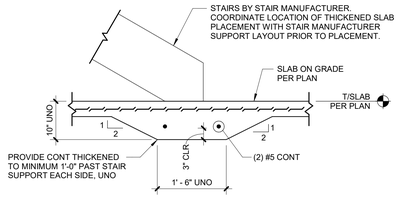
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

BUILDING SECTIONS

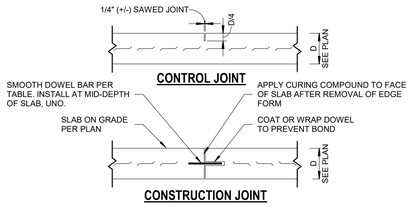
S-300

3/13/2026 3:49:31 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R26.rvt



4 S-500 TYPICAL THICKENED SLAB AT STAIRS

SCALE: 3/4" = 1'-0"



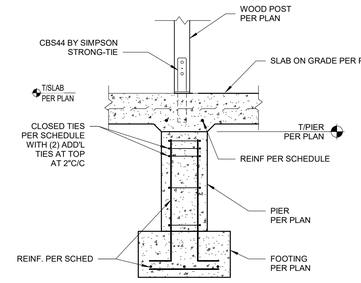
NOTE:
IF NO CONSTRUCTION OR CONTROL JOINT PLAN IS PROVIDED. CONTRACTOR TO PROVIDE PLAN FOR ENGINEERING APPROVAL AS PART OF SUBMITTAL.

DOWEL SIZE AND SPACING

SLAB DEPTH (in)	DOWEL BAR DIAMETER (in)	TOTAL BAR LENGTH (in)	BAR SPACING (CTL - CTL) (in)
4	3/4	16	24
5-6	3/4	16	12
7-8	1	18	12
9-11	1-1/4	18	12

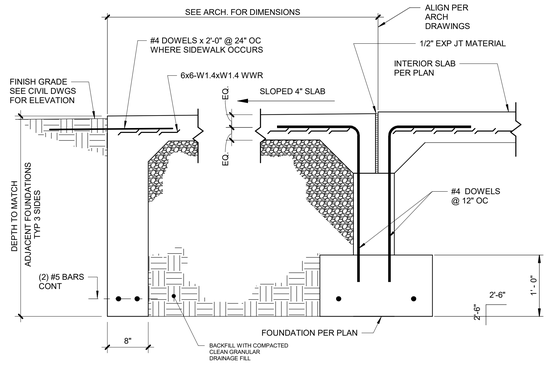
3 S-500 TYPICAL SLAB ON GRADE JOINTS

SCALE: 3/4" = 1'-0"



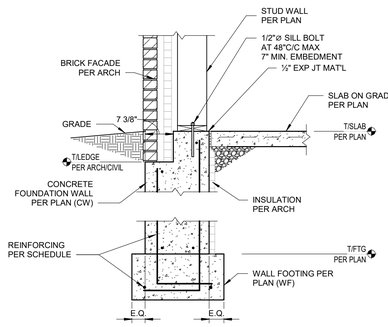
2 S-500 WOOD POST FOUNDATION DETAIL

SCALE: 3/4" = 1'-0"



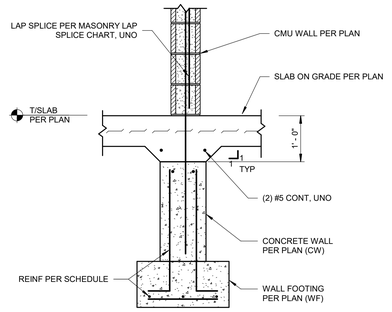
1 S-500 TYPICAL ENTRANCE SECTION

SCALE: 1" = 1'-0"



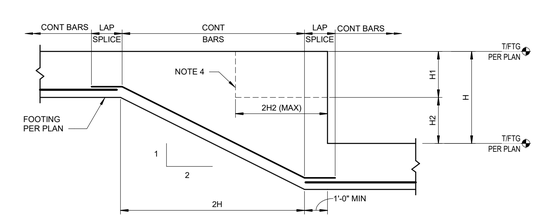
7 S-500 TYPICAL FOUNDATION DETAIL

SCALE: 3/4" = 1'-0"

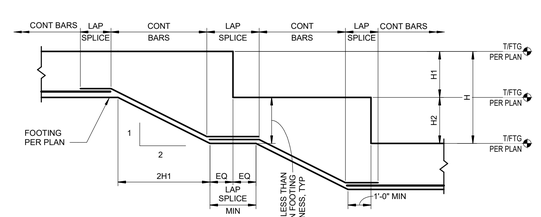


6 S-500 TYPICAL INTERIOR FOUNDATION WALL @ CMU WALL

SCALE: 3/4" = 1'-0"



UNIFORMLY SLOPED BASE

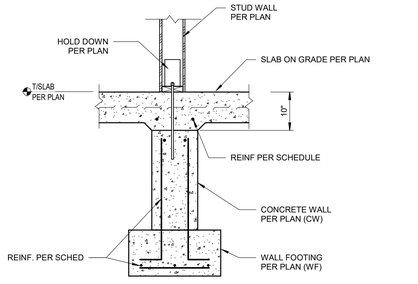


BENCHED BASE

NOTES:
1. SEE PLAN FOR STEP LOCATIONS AND ELEVATIONS.
2. MAXIMUM SINGLE STEP HEIGHT = 4'-0".
3. USED BENCHED BASE FOR MULTIPLE ADJACENT STEPS AND WHEN TOTAL ELEVATION CHANGE "H" EXCEEDS 4'-0".
4. AT CONTRACTOR'S OPTION, DOUBLE STEP MAY BE USED AS SHOWN WHEN SINGLE STEP HEIGHT INDICATED ON PLAN EXCEEDS 2'-0". COORDINATE IN ADVANCE WITH ALL AFFECTED TRADES.

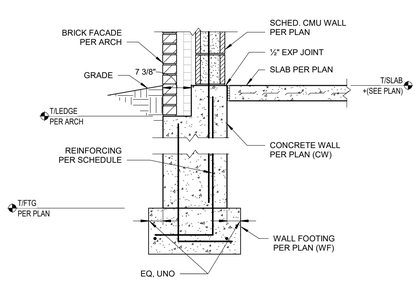
5 S-500 TYP STEPPED FOOTING

SCALE: 3/4" = 1'-0"



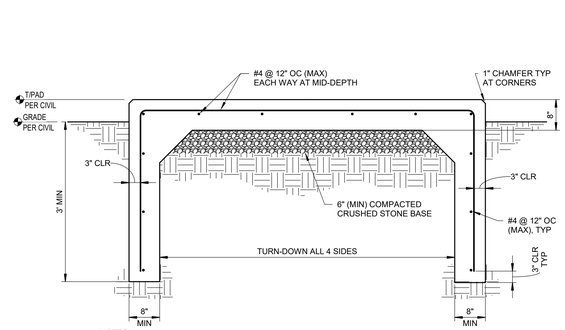
9 S-500 TYPICAL INTERIOR FOUNDATION WALL @ WOOD STUD WALL

SCALE: 3/4" = 1'-0"



8 S-500 SECTION @ FOUNDATION WALL

SCALE: 3/4" = 1'-0"

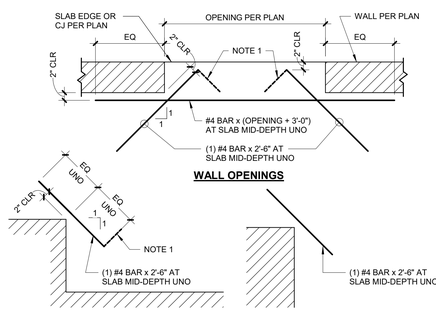


NOTES:

1. CONCRETE 28-DAY COMPRESSIVE STRENGTH = 4000 PSI, MINIMUM.
   AIR ENTRAINMENT = 6" ± 1%
   MAX W/C RATIO = 0.45
   BROOM FINISH SURFACE.
2. PROVIDE SAW-CUT CONTROL JOINTS SPACED NOT MORE THAN 24 TIMES THE SLAB THICKNESS CENTER-TO-CENTER, UNO. SEAL JOINTS WITH WEATHER-RESISTANT SEALANT.
3. SEE PLANS FOR OVERALL PAD DIMENSIONS.
4. COORDINATE EXACT LOCATION WITH CIVIL AND MECHANICAL DRAWINGS, AND EQUIPMENT SUPPLIER.

12 S-500 TYPICAL EXTERIOR EQUIPMENT PAD DETAIL

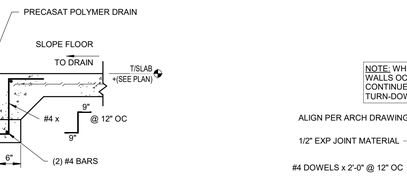
SCALE: 3/4" = 1'-0"



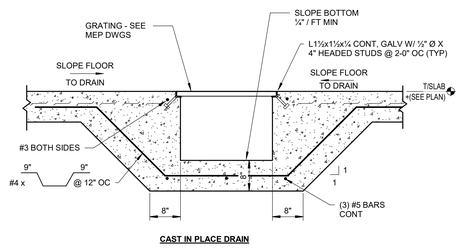
NOTES:
1. WHERE THERE IS INSUFFICIENT ROOM TO INSTALL A STRAIGHT BAR AS SHOWN CENTERED WITH EQUAL LENGTH EACH SIDE OF THE RE-ENTRANT CORNER, PROVIDE BAR WITH A 90- OR 180- DEGREE HOOK INSTALLED ON THE SIDE WITH SHORTER EMBEDMENT.
2. FOR SLABS WITH 2 LAYERS OF REINFORCEMENT, INSTALL ADDITIONAL REINFORCEMENT AT ELEVATION OF TOP LAYER ONLY.

13 S-500 TYPICAL ADDITIONAL SLAB ON GRADE REINFORCEMENT AT RE-ENTRANT CORNERS

SCALE: 3/4" = 1'-0"



PRECAST POLYMER DRAIN

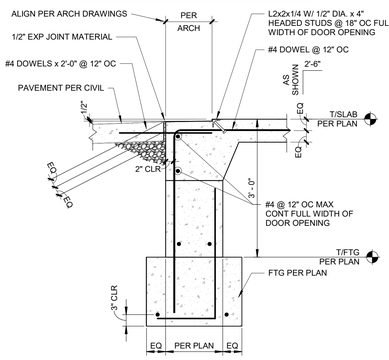


CAST IN PLACE DRAIN

11 S-500 SECTION THRU TRENCH DRAIN

SCALE: 3/4" = 1'-0"

NOTE: WHERE REINFORCED CONCRETE OR CMU STEM WALLS OCCUR ADJACENT TO OPENINGS, DO NOT CONTINUE STEM WALL REINFORCEMENT THROUGH THE TURN-DOWN SLAB, UNO.



10 S-500 SLAB TURN-DOWN AT OVERHEAD DOOR

SCALE: 3/4" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bartenfelder
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF INDIANA
PROFESSIONAL ENGINEER
05.14.2026

PROJECT NUMBER: 2025013
DRAWN: SS/JV/DM CHECKED: JB
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FOUNDATION SCHEDULES, SECTIONS, & DETAILS

S-500

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station 101_Structural_R25.rvt
3/13/2026 3:49:33 PM

SLAB ON GRADE SCHEDULE

Mark	Thickness	Reinforcing	Control Jt Depth	Reinf Clearance	Control Jt Spa	Vapor Retarder	Sub-Base Depth	Remarks
SOG04P	4"	6x6-W1.4xW1.4 WWF	1"	1 1/2"	10' - 0"	Plastic	6"	
SOG08P	8"	12x12-W4.0xW4.0 WWF	2"	2 1/2"	20' - 0"	Plastic	6"	

Slab on Grade Schedule Notes:
1. Reinforcing clearance is from the top of slab.

WALL FOOTING SCHEDULE

Mark	Dimensions		Bottom Reinf				Remarks
			Longitudinal Reinf		Transverse Reinf		
	Width	Thickness	No	Size	Size	Spa	
WF24	2' - 0"	1' - 0"	4	#4	#4	1' - 0"	
WF36	3' - 0"	1' - 4"	4	#5	#5	1' - 0"	

Wall Footing Schedule Notes:
1. Reinforcing clearance at bottom and sides of footings = 3"
2. Use concrete brick of CRSI Class 3, CHCP wire bar supports @ 36".

CONCRETE WALL SCHEDULE

Mark	Width	Horiz Reinf			Vert Reinf		Dowel Reinf		Reinf Location	Cover	Horz. Reinf. Location
		Size	Spa	Location	Size	Spa	Size	Spa			
CW12	1' - 0"	#5	1' - 0"	Ea Face	#5	1' - 0"	#5	1' - 0"	Ea Face	2"	
CW14	1' - 2"	#5	1' - 0"	Ea Face	#5	1' - 0"	#5	1' - 0"	Ea Face	2"	
CW16	1' - 4"	#5	1' - 0"	Ea Face	#5	1' - 0"	#5	1' - 0"	Ea Face	2"	

Concrete Wall Schedule Notes:
1. Provide concrete cover to closest bar as indicated.
2. Provide wheel spacers or CRSI Typ. Bar Bend T5 at 36" each way to assure adequate concrete cover.
3. See sections for all bars not included in schedule.
4. Horizontal Bar Location: In = Horiz. bars inside of verical bars, Out = Horiz. Bars outside of vert. bars.

COLUMN FOOTING SCHEDULE

Mark	Ftg Dimensions			Bottom Reinforcing						Remarks
				Short Direction			Long Direction			
	Width	Length	Thickness	No	Size	Length	No	Size	Length	
F3.0	3' - 0"	3' - 0"	1' - 0"	3	#5	2' - 6"	3	#5	2' - 6"	

Column Footing Schedule Notes:
1. Reinforcing clearance at bottom and sides of footings = 3"
2. Use concrete brick of CRSI Class 3, CHCP wire bar supports @ 36".

PIER SCHEDULE

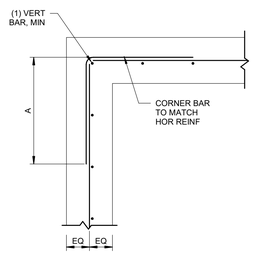
Mark	Pier Size		Vert Reinf		Ties			Remarks
	Width	Length	No	Size	Size	Spa	Tie Type	
P12	1' - 0"	1' - 0"	4	#5	#3	10"	CLOSED	

Pier Schedule Notes:
1. Provide 2 inch concrete cover over ties.
2. Space first tie 2" from top of footing, last tie 2" from top of pier.
3. Provide (3) ties in top of pier, spacing = 2 1/2" on center.
4. Provide CRSI typical bar bend T5 for all ties.
5. Provide CRSI typical bar bend T9 additional ties for all piers with more than four vertical bars.
6. Provide 90° Hook for all ties per CRSI detailing standards.

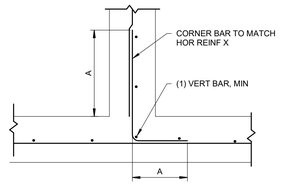
MINIMUM WALL REINFORCEMENT

WALL THICKNESS	HORIZ BARS	VERT BARS	LOCATION
6" AND UNDER	#4 @ 12"	#4 @ 12"	CENTERLINE
> 6" TO 8"	#5 @ 15"	#5 @ 15"	CENTERLINE
> 8" TO 10"	#5 @ 12"	#5 @ 12"	CENTERLINE
> 10" TO 12"	#4 @ 12"	#4 @ 12"	EACH FACE
> 12" TO 14"	#5 @ 18"	#5 @ 18"	EACH FACE
> 14" TO 16"	#5 @ 15"	#5 @ 15"	EACH FACE
> 16" TO 18"	#5 @ 14"	#5 @ 14"	EACH FACE

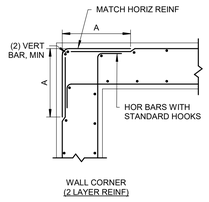
NOTES:
1. WALLS ARE TO BE REINFORCED WITH THE MINIMUM REINFORCEMENT INDICATED, UNO.
2. "A" INDICATES LI LAP SPLICE. SEE TYPICAL LAP SPLICE TABLES.
3. PROVIDE KEYED HORIZONTAL JOINT AT SHEAR WALLS AND RETAINING WALLS.
4. PROVIDE KEYED VERTICAL JOINT AT SHEAR WALLS.
5. SMALL WALL SECTION DETAILS APPLY TO BOTH HORIZONTAL AND VERTICAL DIRECTIONS.



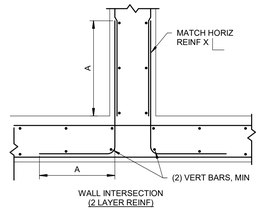
WALL CORNER
(1 LAYER REINF)



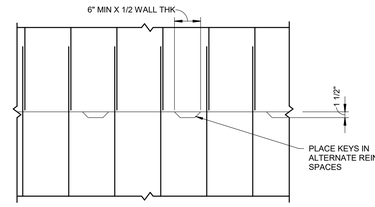
WALL INTERSECTION
(1 LAYER REINF)



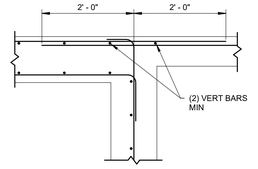
WALL CORNER
(2 LAYER REINF)



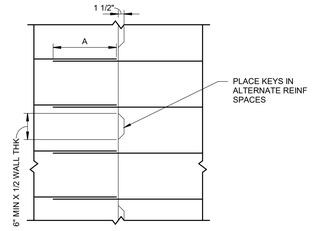
WALL INTERSECTION
(2 LAYER REINF)



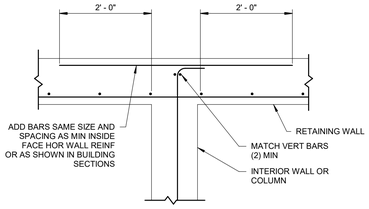
ELEVATION OF HORIZONTAL JOINT
(SEE NOTE 3)



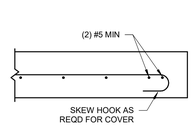
WALL INTERSECTION OF SINGLE AND DOUBLE LAYER REINFORCING



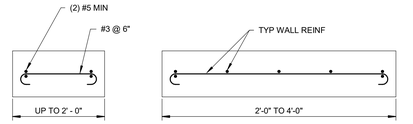
ELEVATION OF VERTICAL JOINT
(SEE NOTE 4)



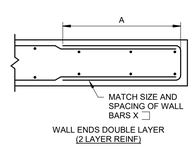
WALL INTERSECTION AT RETAINING WALL



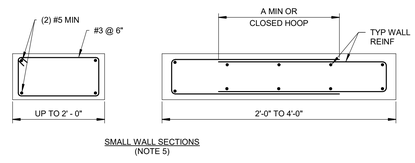
WALL ENDS SINGLE LAYER
(1 LAYER REINF)



SMALL WALL SECTIONS
(NOTE 5)



WALL ENDS DOUBLE LAYER
(2 LAYER REINF)



SMALL WALL SECTIONS
(NOTE 5)

1 S-501 TYPICAL CONCRETE WALL REINFORCING DETAILS

SCALE: 3/4" = 1'-0"

CONCRETE MIX SCHEDULE

CONCRETE USAGE	28-DAY COMPRESSIVE STRENGTH (PSI)	MAX CEMENT REPLACEMENT (NOTE 3)	MAXIMUM W/CM RATIO	AIR CONTENT (PERCENT)	MAX AGGREGATE SIZE (INCHES)	NOTES
FOOTINGS	4,000	20%	0.55	0-3	1.5	
GRADE BEAMS, PIERS, FOUNDATION WALLS	4,000	20%	0.50	0-3	1	
SLABS ON GRADE (6 INCHES OR LESS)	4,000	20%	0.48	0-3	1	
SLABS ON GRADE (GREATER THAN 6 INCHES)	4,000	20%	0.48	0-3	1.5 (NOTE 5)	

NOTES:
1. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL CONCRETE IS NORMAL WEIGHT AND CEMENT IS ASTM C150 TYPE 1, UNO. DO NOT USE LIGHTWEIGHT CONCRETE UNLESS SPECIFICALLY INDICATED.
3. ACCEPTABLE CEMENT REPLACEMENT MATERIAL WHERE PERMITTED, SHALL BE FLY ASH, ASTM C618 TYPE C OR F, UNO.
4. TARGET SLUMP SHALL BE DETERMINED BY THE CONTRACTOR AS NEEDED FOR PROPER PLACEMENT.
5. WHERE NOTED, BLENDED AGGREGATE WITH ZONE 2 COARSENESS PER ACI 302 IS MANDATORY.
6. COORDINATE OF LOCATIONS OF ALL POLISHED CONCRETE SLABS (WHEN USED) AND REVIEW THE CONCRETE MIX REQUIREMENTS WITH THE POLISHED CONCRETE CONTRACTOR PRIOR TO SUBMITTAL OF CONCRETE MIXES. IF THE POLISHED CONCRETE CONTRACTOR REQUESTS TO DEVIATE FROM THE REQUIREMENTS OF THIS SCHEDULE, CONTACT THE STRUCTURAL ENGINEER TO REVIEW THE REQUESTS PRIOR TO SUBMISSION OF THE POLISHED CONCRETE MIX(ES).

NON-COATED REINFORCING BAR DEVELOPMENT AND SPLICE LENGTHS

f'c = 3000 PSI

BAR SIZE	Ld	Ldt	Lt	Ltt
#3	17	23	23	29
#4	22	29	29	38
#5	28	37	37	48
#6	33	43	43	56
#7	48	63	63	82
#8	55	72	72	93
#9	62	81	81	105
#10	69	90	90	117
#11	76	99	99	129

f'c = 4000 PSI

BAR SIZE	Ld	Ldt	Lt	Ltt
#3	15	20	20	26
#4	19	25	25	33
#5	24	32	32	41
#6	29	38	38	50
#7	42	55	55	71
#8	48	63	63	82
#9	54	71	71	92
#10	60	78	78	102
#11	66	86	86	112

f'c = 5000 PSI

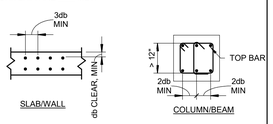
BAR SIZE	Ld	Ldt	Lt	Ltt
#3	13	17	17	22
#4	17	23	23	29
#5	22	29	29	38
#6	26	34	34	44
#7	38	50	50	65
#8	43	56	56	73
#9	48	63	63	82
#10	54	71	71	92
#11	59	77	77	100

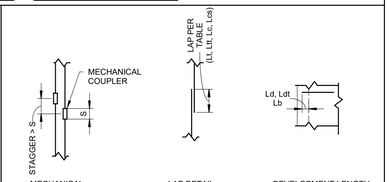
ALL CONCRETE STRENGTHS

BAR SIZE	Lb	Lc	Lcs
#3	9	12	12
#4	11	13	12
#5	14	16	15
#6	17	19	17
#7	20	22	20
#8	22	25	23
#9	25	29	26
#10	28	32	29
#11	31	35	31

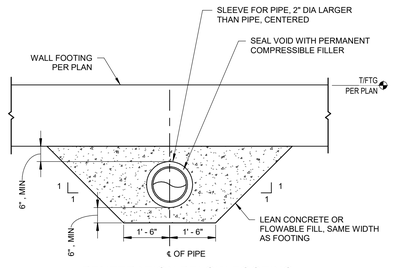
NOTES:
1. db = NOMINAL BAR DIAMETER
   Ld = TENSION DEVELOPMENT LENGTH
   Ldt = DEVELOPMENT LENGTH OF TOP BARS IN TENSION
   Lt = TENSION LAP SPLICE STRENGTH
   Ltt = TENSION LAP SPLICE LENGTH OF TOP BARS
   Lb = COMPRESSION DEVELOPMENT LENGTH
   Lc = TIED COLUMN LAP SPLICE IN COMPRESSION
   Lcs = SPIRAL COLUMN LAP SPLICE IN COMPRESSION
2. REBAR DEVELOPMENT/SPLICE LENGTHS ARE BASED ON ACI 318. REINFORCEMENT YIELD STRENGTH, Fy = 60 KSI.
3. "TOP BARS" = HORIZONTAL BEAM, MAT, OR SLAB REINFORCING WITH MORE THAN 12" CAST BELOW.
4. ALL SPLICES SHALL BE TENSION SPLICES, UNO.
5. LARGER DIAMETER SPLICE LENGTH GOVERN AT BAR SIZE TRANSITIONS.
6. FOR LIGHTWEIGHT CONCRETE MULTIPLY TABLE VALUES BY 1.33, UNO

TABLE VALUES SHALL BE MULTIPLIED BY 1.5 IF THE FOLLOWING CRITERIA ARE NOT MET:

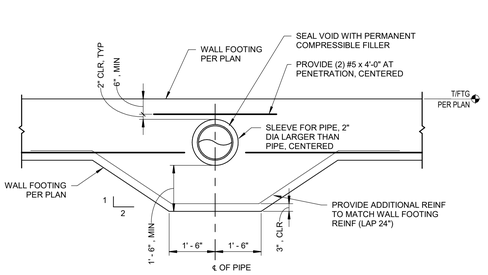




TYPICAL REINFORCING BAR DEVELOPMENT/SPLICE DETAILS



PENETRATION BELOW FOOTING



PENETRATION THROUGH FOOTING

NOTES:
1. SEE PLUMBING DRAWINGS FOR LOCATIONS AND SIZE OF PENETRATIONS.
2. DETAIL SHOWN IS FOR MAXIMUM OF 12" DIA PIPE FOR LARGER SIZE, CONTACT STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

2 S-501 TYPICAL WALL FOOTING DETAIL AT PIPE/CONDUIT PENETRATION

SCALE: 1/2" = 1'-0"

SLAB ON GRADE FLATNESS/LEVELNESS SCHEDULE

CLASSIFICATION	OVERALL FF	OVERALL FL	MIN LOCAL FF	MIN LOCAL FL
CONVENTIONAL	20	15	15	10
MODERATELY FLAT	25	20	20	15
FLAT	35	25	25	15
VERY FLAT	45	35	30	25
SUPER FLAT	60	40	40	25

FLOOR TYPE/LOCATION	REQUIRED SLAB
EXPOSED WAREHOUSE, MANUFACTURING AREAS, UNO	FLAT
EXPOSED UTILITY/MECHANICAL AREAS, UNO	MODERATELY FLAT
FLOORS WITH CARPET, VCT FINISH, UNO	MODERATELY FLAT
FLOORS WITH POLISHED CONCRETE FINISH	FLAT
TILE UP TO 16" LONG DIMENSION, ≥ 1/4" GROUT JOINTS	FLAT
TILE UP TO 16" LONG DIMENSION, 3/16" GROUT JOINTS	VERY FLAT
TILE UP TO 16" LONG DIMENSION, 1/8" GROUT JOINTS	SUPER FLAT
TILE > 16" TO < 36" LONG DIMENSION, ≥ 1/4" GROUT JOINTS	VERY FLAT
TILE > 16" TO < 36" LONG DIMENSION, < 1/4" GROUT JOINTS	SUPER FLAT
TILE > 36" LONG DIMENSION	SUPER FLAT

NOTES:
1. GENERAL CONTRACTOR SHALL REVIEW ALL FLOOR FINISH REQUIREMENTS FOR THE PROJECT AND PROVIDE CONCRETE SLAB SURFACE FINISHES IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFIED FLOOR FINISH MATERIALS. WHERE TOLERANCES FOR THE FLOOR FINISH MATERIALS DIFFER FROM THIS SCHEDULE, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
2. GENERAL CONTRACTOR SHALL COORDINATE WITH THE FINISH FLOORING SUPPLIER TO PROVIDE ALL NECESSARY REPAIR, GRINDING, AND/OR LEVELING OF THE CONCRETE SLAB TO ACCOMODATE ALL FLOOR FINISHES PRIOR TO INSTALLATION OF FINISH MATERIALS WITH NO ADDITIONAL COST TO THE PROJECT.

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bankentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-833-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF INDIANA
PROFESSIONAL ENGINEER
05.14.2026
Jessica Kay Barlow

PROJECT NUMBER: 2025013
DRAWN: SS/JV/DM CHECKED: JB
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FOUNDATION SCHEDULES, SECTIONS, & DETAILS

S-501

K:\2025\2025013 S-#\S1N.rvt Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R23.rvt

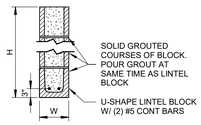
PRESCRIPTIVE LINTEL SCHEDULE

GENERAL NOTE: PROVIDE LINTELS IN THIS SCHEDULE FOR MASONRY OPENINGS WHERE SPECIFIC LINTELS (L#) ARE NOT OTHERWISE INDICATED. WHERE A SPECIFIC LINTEL (L#) IS INDICATED FOR A PARTICULAR OPENING, PROVIDE THE SPECIFIC LINTEL (L#). FOR OPENINGS BEYOND THE LIMITS AND/OR MATERIALS IDENTIFIED IN THIS SCHEDULE WHERE SPECIFIC LINTELS (L#) ARE NOT OTHERWISE INDICATED, CONTACT THE STRUCTURAL ENGINEER FOR REQUIRED LINTEL SIZE AND TYPE.

SECTION	CLEAR OPENING	TYPE	NOTES
W x 8 H (NOMINAL) CMU	UP TO 3'-4"	PLB	6", 8", 10", 12" CMU
W x 16 H (NOMINAL) CMU	>3'-4" UP TO 6'-4"	PLB	6", 8", 10", 12" CMU
W x 24 H (NOMINAL) CMU	>6'-4" UP TO 10'-4"	PLB	6", 8", 10", 12" CMU
L3 1/2 x 3 1/2 x 5/16	UP TO 4'-0"	PLC	4" MASONRY VENEER
L5 x 3 1/2 x 5/16 (LLV)	>4'-0" UP TO 6'-0"	PLC	4" MASONRY VENEER
L6 x 3 1/2 x 3/8 (LLV)	>6'-0" UP TO 8'-0"	PLC	4" MASONRY VENEER

TYPES:

PLC



PLB

PRESCRIPTIVE LINTEL SCHEDULE NOTES:

1. ALL LINTELS BEAR 0'-8" ONTO SUPPORTING WALLS, UNO.
2. ALL STEEL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

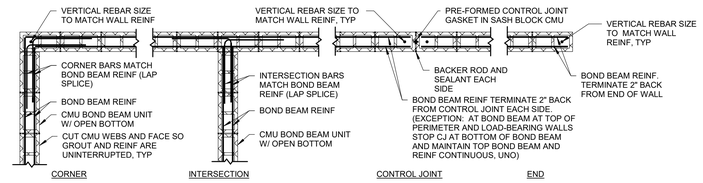
MASONRY REINFORCING STEEL LAP SPLICE CHART

BAR SPLICE LENGTHS

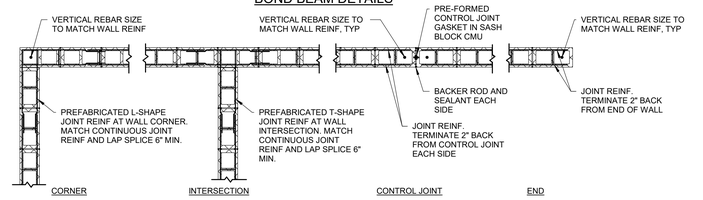
BAR	UNCOATED BARS		EPOXY-COATED BARS	
	TYPE 1.0LD	TYPE 1.5LD	TYPE 1.0LD	TYPE 1.5LD
#3	20"	36"	29"	54"
#4	26"	48"	39"	72"
#5	32"	60"	48"	90"
#6	39"	72"	58"	108"
#7	45"	84"	68"	126"
#8	52"	96"	77"	144"
#9	58"	109"	87"	164"

NOTES:

1. ALL SPLICES ARE TYPE 1.0LD, UNO.
2. BARS LARGER THAN #9 ARE REQUIRED TO BE SPLICED BY MECHANICAL CONNECTORS, UNO.
3. SPLICES BASED ON Fs = 32,000 PSI AND f'm ≥ 1500 PSI.
4. ALL BARS ARE UNCOATED, UNO.
5. USE EPOXY-COATED BARS ONLY IN PARKING STRUCTURE MASONRY WHERE SPECIFICALLY INDICATED, UNO.



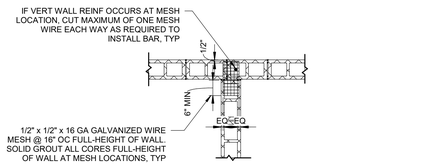
BOND BEAM DETAILS



JOINT REINFORCEMENT DETAILS

NOTES:

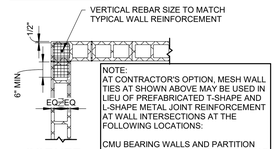
1. VERTICAL REINFORCEMENT INDICATED ON THIS DETAIL IS REQUIRED IN ADDITION TO SCHEDULED VERTICAL REINFORCEMENT, UNLESS SCHEDULED REINFORCEMENT ALREADY OCCURS AT THE INDICATED LOCATIONS.
2. PROVIDE LAPPED DOWELS INTO FOUNDATION AT ALL VERTICAL REINFORCEMENT.
3. PROVIDE HORIZONTAL JOINT REINFORCEMENT AND BOND BEAM REINFORCEMENT IN CMU WALLS IN ACCORDANCE WITH THE PROJECT DRAWINGS AND SPECIFICATIONS.



REQUIRED MESH SIZE:
4" CMU: 3" WIDE
6" CMU: 4" WIDE
8" CMU: 6" WIDE
10" CMU: 8" WIDE
12" CMU: 10" WIDE

MESH SHALL BE MWT WIRE MESH BY HOHMANN AND BARNARD OR EQUIVALENT SUBSTITUTE APPROVED BY THE STRUCTURAL ENGINEER.

INTERSECTION



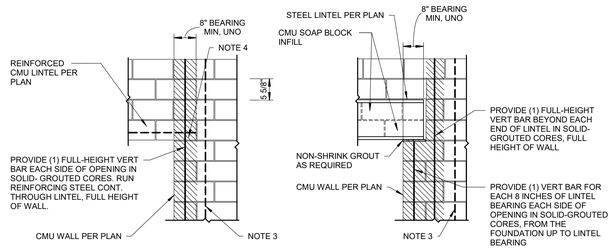
NOTE:
AT CONTRACTOR'S OPTION, MESH WALL TIES AT SHOWN ABOVE MAY BE USED IN LIEU OF PREFABRICATED T-SHAPE AND L-SHAPE METAL JOINT REINFORCEMENT AT WALL INTERSECTIONS AT THE FOLLOWING LOCATIONS:

CMU BEARING WALLS AND PARTITION WALLS ONLY. NOT PERMITTED AT SHEAR WALLS.

ALTERNATE CMU WALL INTERSECTION TIE DETAIL (WIRE MESH)

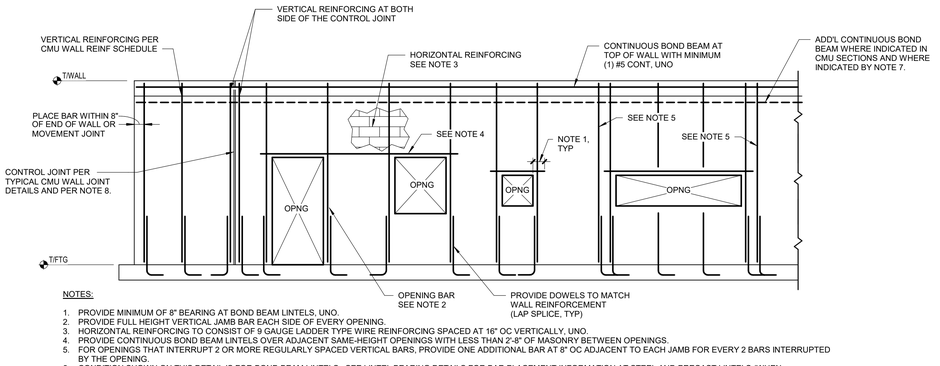
1 S-510 TYPICAL CMU WALL JOINT DETAILS

SCALE: 1/2" = 1'-0"



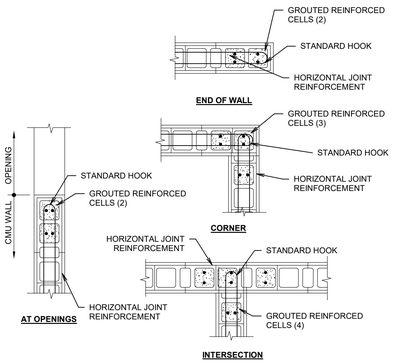
NOTES:

1. INSTALL LINTELS TO PROVIDE EQUAL BEARING LENGTH EACH SIDE OF OPENING, UNO.
2. VERTICAL BARS SHALL BE THE SAME SIZE AS TYPICAL VERTICAL WALL REINFORCEMENT, UNO.
3. FOR OPENINGS THAT INTERRUPT 2 OR MORE REGULARLY SPACED VERTICAL BARS, PROVIDE ONE ADDITIONAL FULL-HEIGHT BAR @ 8" OC ADJACENT TO EACH JAMB FOR EVERY 2 BARS INTERRUPTED BY THE OPENING.
4. AT CMU LINTEL BEARING, CUT OPENING THROUGH BOTTOM OF U-SHAPE LINTEL BLOCK AS REQUIRED TO ALLOW REINFORCEMENT AND GROUT PLACEMENT AT LINTEL BEARING.



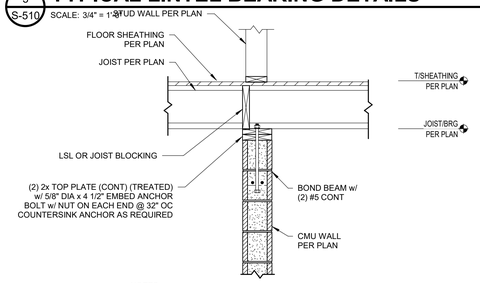
NOTES:

1. PROVIDE MINIMUM OF 8" BEARING AT BOND BEAM LINTELS, UNO.
2. PROVIDE FULL HEIGHT VERTICAL JAMB BAR EACH SIDE OF EVERY OPENING.
3. HORIZONTAL REINFORCING TO CONSIST OF 9 GAUGE LADDER TYPE WIRE REINFORCING SPACED AT 16" OC VERTICALLY, UNO.
4. PROVIDE CONTINUOUS BOND BEAM LINTELS OVER ADJACENT SAME-HEIGHT OPENINGS WITH LESS THAN 2'-8" OF MASONRY BETWEEN OPENINGS.
5. FOR OPENINGS THAT INTERRUPT 2 OR MORE REGULARLY SPACED VERTICAL BARS, PROVIDE ONE ADDITIONAL BAR AT 8" OC ADJACENT TO EACH JAMB FOR EVERY 2 BARS INTERRUPTED BY THE OPENING.
6. CONDITION SHOWN ON THIS DETAIL IS FOR BOND BEAM LINTELS. SEE LINTEL BEARING DETAILS FOR BAR PLACEMENT INFORMATION AT STEEL AND PRECAST LINTELS (WHEN PERMITTED).
7. FOR 6" TO 10" THICK WALLS, WHERE WALL IS GREATER THAN 14' TALL (MEASURED FROM TOP OF FOOTING) PROVIDE ADDITIONAL CONTINUOUS BOND BEAM AT 10'-0" ABOVE FINISH FLOOR AND AT 10'-0" OC MAX. FOR 12" THICK WALLS PROVIDE CONTINUOUS BOND BEAM AT 12'-0" OC MAX.
8. BOND BEAM REINFORCEMENT AT CONTROL JOINTS:
   A. FOR PERIMETER AND LOAD BEARING WALLS:
      a. EXTEND CJ FROM BOTTOM OF CMU WALL TO BOTTOM OF CONT BOND BEAM AT TOP OF WALL, UNO.
      b. EXTEND CJ FROM BOTTOM OF CMU WALL THROUGH BOND BEAM LOCATED NOT AT TOP OF WALL, UNO.
   B. FOR INTERIOR NON LOAD BEARING PARTITION WALLS: EXTEND CJ FULL HEIGHT OF WALL, UNO.



7 S-510 REINFORCED MASONRY WALL INTERSECTION DETAILS

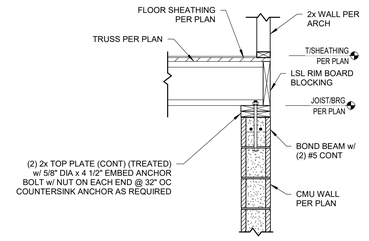
SCALE: 3/4" = 1'-0"



NOTES:
1. JOISTS BEAR ON FULL WIDTH OF SUPPORTING BEARING WALL.

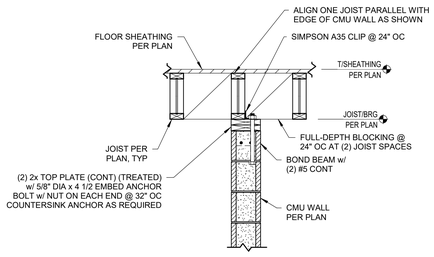
6 S-510 TYPICAL FLOOR JOIST BEARING AT INTERIOR CMU WALL

SCALE: 3/4" = 1'-0"



5 S-510 TYPICAL FLOOR JOIST BEARING AT PERIMETER CMU WALL

SCALE: 3/4" = 1'-0"



4 S-510 TYPICAL FLOOR ANCHORAGE TO INTERIOR CMU WALL

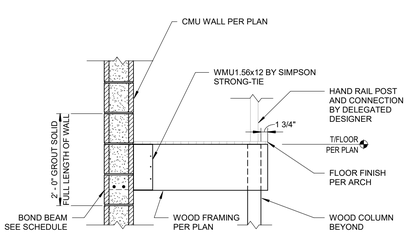
SCALE: 3/4" = 1'-0"

MASONRY WALL SCHEDULE

Mark	Thickness	Vertical Wall Reinforcing					Horiz Reinf		Top of Wall Bond Beam Reinforcing		Remarks
		Reinforcing			Dowel Reinforcing						
		Size	Spa	Location	Size	Spa	Size	Spa	No. of	Size	
MW8	7 5/8"	#5	4' - 0"	Center	#5	4' - 0"	#5	4' - 0"	2	#5	NOTE 2

Masonry Wall Schedule Notes:
1. Provide 2" cover from outside face for bars in each face.
2. Grout all cores with rebar solid.
3. Provide ladder type joint reinforcement at 16" o.c., unless noted otherwise. Side and cross rods shall be #9 wire, galvanized, see specifications. Cut joint reinforcement at control joints.
4. Provide bond beam with (2) #5 cont. at top of wall, unless noted otherwise. See schedule for additional bond beams. Where top of wall is not at masonry coursing, place bond beam at first full masonry block. See schedule for additional bond beams.

MASONRY CONTRACTOR COORDINATE WITH STAIR CONTRACTOR TO PROVIDE SOLID-GROUTED CMU AS SHOWN AT ALL CONNECTION LOCATIONS.



8 S-510 STAIR LANDING SUPPORT AT CMU WALL

SCALE: 3/4" = 1'-0"

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-833-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF INDIANA
PROFESSIONAL ENGINEER
05.14.2026
Jessica Kay Barlow

PROJECT NUMBER: 2025013
DRAWN: SS/JV/DM CHECKED: JB
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

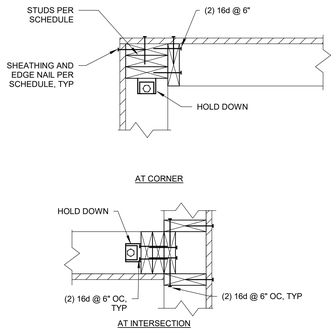
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

MASONRY SCHEDULES, SECTIONS, & DETAILS

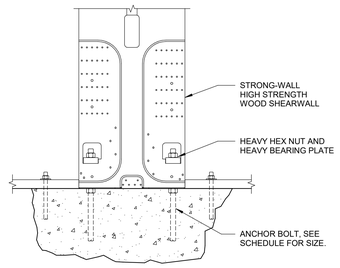
S-510

5/13/2026 3:49:34 PM Autodesk Docs://2025013 - Nineveh Fire FD Station - 01 Nineveh Fire FD Station_Structural_R26.rvt



TYPICAL SHEAR WALL HOLDOWN DETAILS

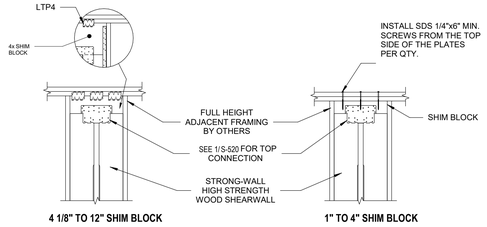
4 / S-520 SCALE: 1 1/2" = 1'-0"



NOTES
1. ENSURE CONCRETE IS LEVEL AND SMOOTH BENEATH PANEL. GRIND OR FILL AS NECESSARY.
2. PLACE STRONG-WALL HIGH STRENGTH WOOD SHEARWALL OVER THE ANCHOR BOLTS AND SECURE WITH HEAVY BEARING PLATES AND HEAVY HEX NUTS PROVIDED. DO NOT USE AN IMPACT WRENCH.

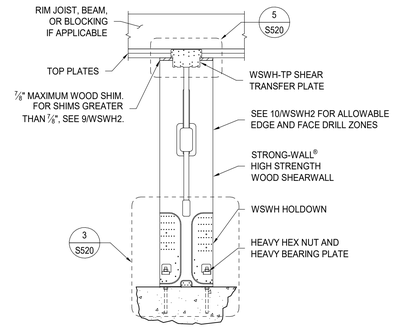
SIMPSON STRONG-WALL HOLD DOWN

3 / S-520 SCALE: 1" = 1'-0"



TOP OF WALL HEIGHT ADJUSTMENTS

2 / S-520 SCALE: 1" = 1'-0"



DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

ENSURE CONCRETE IS LEVEL AND SMOOTH BENEATH PANEL. GRIND OR FILL AS NECESSARY.

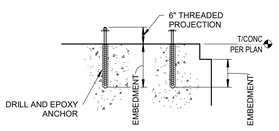
TYPICAL STRONG WALL

1 / S-520 SCALE: 1" = 1'-0"

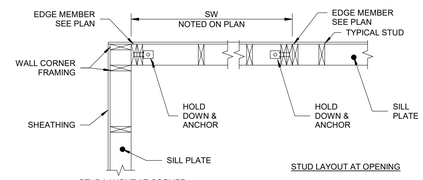
SHEAR WALL HOLD DOWN SCHEDULE

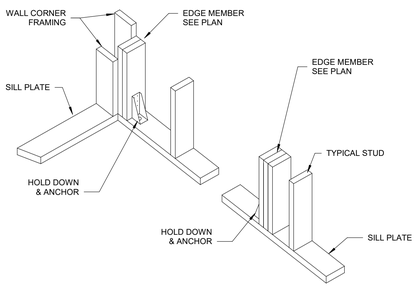
MARK	HOLD DOWN	MIN EDGE MEMBER	ANCHOR ROD	EMBEDMENT	REMARKS
HD1	HDUE5-SDS3 BY SIMPSON	(2) 2x	SSTB24 BY SIMPSON	20"	
HD2	HD12 BY SIMPSON	6x6 S. PINE NO. 1	1 1/8" PAB9 BY SIMPSON	16"	(2) HOLD DOWNS BACK-TO-BACK
HD3	WSWH-AB1	(3) 2x	1" DIA ANCHOR BOLT	22"	

NOTES:
1. SEE PLAN FOR GENERAL HOLD DOWN LOCATIONS.
2. WHEN SPECIFIED EMBEDMENT EXCEEDS DEPTH OF SLAB TURNDOWN, EMBEDMENT SHALL BE MEASURED FROM T/FTG.
3. TYPICAL HOLD DOWN FOUNDATION ANCHOR:
4. ALL ANCHORS SHALL BE CAST IN PLACE



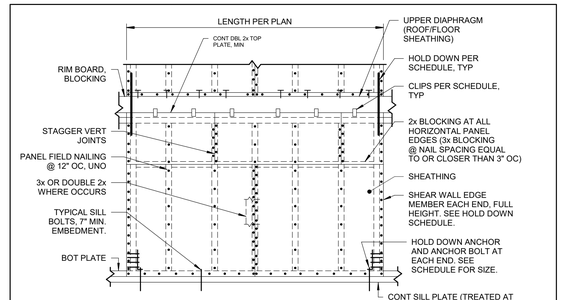
HOLD DOWN LOCATION SCHEMATICS





NAILING SCHEDULE

CONNECTION	NAILING
JOIST TO SILL OR GIRDER, TOENAIL	(3) 8d
BRIDGING TO JOIST, TOENAIL EACH END	(2) 8d
SOLE PLATE TO JOIST OR BLOCKING	16d @ 16"
TOP PLATE TO STUD, END NAIL	(2) 16d
STUD TO SOLE PLATE	(4) 8d TOENAIL OR (2) 16d END NAIL
DOUBLE STUDS, FACE NAIL	16d @ 12"
DOUBLE TOP PLATES, FACE NAIL	16d @ 12"
TOP PLATE INTERSECTIONS, FACE NAIL	(2) 16d
CONTINUOUS HEADER, TWO PIECES	16d @ 16" ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOENAIL	(3) 8d
RAFTER OR TRUSS TO PLATE, TOENAIL	(3) 8d
BUILT-UP CORNER STUDS	16d @ 12"
BUILT-UP GIRDER AND BEAMS	16d @ 12"
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	(3) 8d
RIM JOIST TO TOP PLATE, TOENAIL	8d @ 6"
POST AND BEAM OR GIRDER CONSTRUCTION	PROVIDE POSITIVE CONNECTION AGAINST UPLIFT AND LATERAL DISPLACEMENT
BUILT-UP RIM JOIST	16d @ 16"



WOOD SHEAR WALL SCHEDULE

MARK	SHEATHING	PANEL EDGE NAILING	TOP PL TO FRAMING BELOW	BOT PL TO FRAMING BELOW	BOT PL TO CONCRETE BELOW	HOLD DOWNS	BEARING WALL
SW1	7/16" APA RATED STRUCTURAL 1 SHEATHING, ONE SIDE	8d @ 6"	CLIPS @ 12"	NA	SILL BOLTS 1/2"x7" EMBEDMENT	SEE PLAN	SEE PLAN
SW2	7/16" APA RATED STRUCTURAL 1 SHEATHING, ONE SIDES	8d @ 3"	CLIPS @ 4"	NA	SILL BOLTS 1/2"x7" EMBEDMENT	SEE PLAN	SEE PLAN
SW3	WSWH24X14 BY SIMPSON	NA	CLIPS @ 4"	NA	NA	SEE PLAN	SEE PLAN

NOTES:
1. INSTALL HOLD DOWNS IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. SEE FOUNDATION AND FLOOR FRAMING PLANS FOR HOLD DOWN TYPE AND LOCATIONS.
2. CONTINUE WALL SHEATHING AND NAILING PATTERNS ABOVE AND BELOW WINDOWS/DOORS FOR LENGTH OF SHEAR WALL INDICATED ON PLANS.
3. SEE TYPICAL MULTI-PLY STUD NAILING DETAIL FOR BUILT UP STUDS.
4. USE 3x FRAMING OR DOUBLE 2x FRAMING AT ALL ABUTTING PANEL EDGES AND SILL PLATES TO CONCRETE FOR NAIL SPACING LESS THAN OR EQUAL TO 2" OC FOR 8d NAILS AND LESS THAN OR EQUAL TO 3" OC FOR 10d NAILS.
5. STAGGER PANEL JOINTS ON WALLS SHEATHED ON BOTH SIDES.
6. FRAMING CLIPS SHALL BE ASS OR LTP4 OR APPROVED EQUAL.

WOOD COLUMN SCHEDULE

Type Mark	Size	Base	Cap	Anchor Rods		Remarks
				Quantity	Size	
WC1	(4) 2x8	APVB88	TOP PLATE			POST BASE BY SIMPSON STRONG-TIE
WC2	4x4	CBS44				POST BASE BY SIMPSON STRONG-TIE

Wood Column Schedule Notes:
1. Column material shall be Southern Pine No. 1 or better, UNO.
2. All connectors/bases shall be manufactured by Simpson Strong-Tie Company.
3. Installation including number of fasteners, orientation and application, shall comply with manufacturer's recommendations.
4. Multi-ply connections shall conform to the TYPICAL MULTIPLE PLY STUD / HEADER NAILING detail.

ROOF SHEATHING SCHEDULE

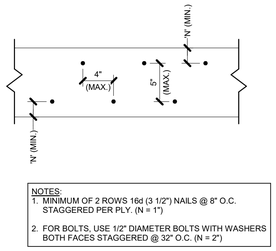
Mark	Sheathing				Fasteners				Remarks
	Grade	Thickness	Span Rating	Blocking	Nail	Boundry	Edge	Field	
WD01	Sheathing and Single Floor	5/8"	24/16	NO	10d	6"	6"	6"	Field Nailing Req'd at All Members Supporting Deck.

Sheathing Schedule Notes:
1. Exposure Class: Exposure 1, UNO.
2. Sheathing Grade: Sheathing, UNO.
3. Span Rating: 24/16, UNO.
4. Fasteners: 10d common nails, UNO. Edge spacing applies to all panel edges.
5. Continue nailing patterns above and below all openings for length of shear wall.
6. Boundry spacing is around perimeter of floor and roof, at wall line.
7. Edge spacing is along each interior sheet support.
8. Field spacing is along each interior sheet support.
9. Blocking: If "YES", Required at panel edges. Provide horizontal or vertical blocking to match studs.
10. Floor sheathing to be tounge and groove.

WOOD HEADER SCHEDULE

Mark	Species/Grade	Member	End Supports		Remarks
			Jack Studs	King Studs	
H1	LVL	(4) 1 3/4x16	NA	NA	CONNECTED TO POST/COL FACE
H2	S. Pine No. 1	(2) 2x10	1	2	
H3	LVL	(3) 1 3/4x16	1	3	

Wood Header Schedule Notes:
1. All connectors shall be manufactured by Simpson Strong-Tie Company.
2. Installation, including number of fasteners, orientation and application, shall comply with manufacturer's recommendations.
3. Multi-ply connections shall conform to the TYPICAL MULTIPLE PLY STUD / HEADER NAILING detail.
4. All end supports are S.P.F. stud grade, UNO.
5. Jack studs are studs on which the header bears.
6. King studs are full height studs adjacent to the header.



NOTES:
1. MINIMUM OF 2 ROWS 16d (3 1/2") NAILS @ 8" O.C. STAGGERED PER PLY. (N = 1")
2. FOR BOLTS, USE 1/2" DIAMETER BOLTS WITH WASHERS BOTH FACES STAGGERED @ 32" O.C. (N = 2")

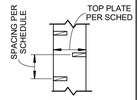
MULTI-PLY CONNECTION

6 / S-520 SCALE: 1 1/2" = 1'-0"

BEARING WALL (BW) SCHEDULE

MARK	SIZE AND SPACING	STRUCTURAL WOOD TYPE	TOP PLATE	REMARKS
BW1	2x8 @ 16" OC	S.P. #1	(2) 2X8 S.P SS	
BW2	2x6 @ 16" OC	S.P.F. #1	(2) 2X6 S.P. SS	

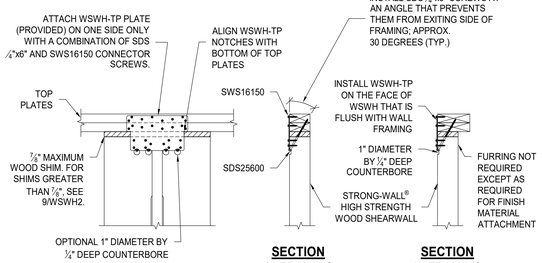
NOTES:
1. TOP PLATE SPLICE TO BE DIRECTLY ABOVE STUD,
2. MATCH WALL STUDS TO ALIGN VERTICALLY AT MULTI-LEVEL CONSTRUCTION.
3. ALL TOP AND BOTTOM PLATE MATERIAL SHALL BE SELECT STRUCTURAL (SS).



STAGGERED DETAIL (ONLY WHERE SPECIFICALLY INDICATE)

WSWH-TP CONNECTION		
MODEL NO.	FASTENER QUANTITY	
	SWS16150	SDS25600
WSWH-TP12	14	2
WSWH-TP18	26	4
WSWH-TP24	46	8

DESIGNER IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.

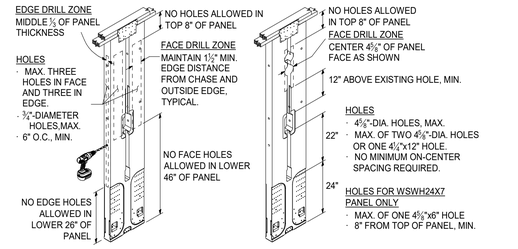


SECTION 4x FRAMING

SECTION 6x FRAMING (8x FRAMING SIMILAR)

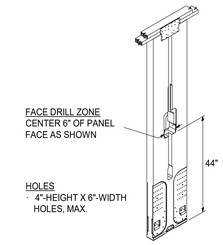
TOP OF WALL CONNECTION

5 / S-520 SCALE: 1" = 1'-0"



ALLOWABLE SMALL HOLES
FACE AND EDGE DRILL ZONES

ALLOWABLE LARGE HOLES
IN ADDITION TO ALLOWABLE SMALL HOLES



MODEL NO.	W (IN.)	REDUCTION FACTORS
WSWH18	18	0.90
WSWH24	24	0.95

NOTES :
1. DO NOT DRILL THE MENTIONED LIGHT SWITCH HOLE IN WSWH12.
2. FOR WSWH18 AND WSWH24, ALLOWABLE SHEAR LOAD MUST BE MULTIPLIED BY THE LOAD REDUCTION FACTOR.

ALLOWABLE LIGHT SWITCH HOLE
FACE DRILL ZONE

TRIM ZONE AND ALLOWABLE HOLES

1. STRONG-WALL® HIGH STRENGTH WOOD SHEARWALL IS MANUFACTURED AND TRADEMARKED BY "SIMPSON STRONG-TIE COMPANY INC." HOME OFFICE: 5956 W. LAS POSITAS BLVD., PLEASANTON, CA 94588 TEL: (800) 999-5099, FAX: (925) 847-1597. "SIMPSON STRONG-TIE COMPANY INC." IS AN ISO 9001-2008 REGISTERED COMPANY.
2. USE OF THIS PRODUCT IS SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING DEPARTMENT.
3. THIS PRODUCT IS PART OF THE OVERALL LATERAL FORCE RESISTING SYSTEM OF THE STRUCTURE. DESIGN OF THE BUILDING'S LATERAL FORCE RESISTING SYSTEM, INCLUDING THE LOAD PATH TO TRANSFER LATERAL FORCES FROM THE STRUCTURE TO THE GROUND, IS THE RESPONSIBILITY OF THE DESIGNER.
4. ENGINEER OF RECORD IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ELEVATIONS, ETC. PRIOR TO INSTALLATION OF ANY COMPONENTS FOR THE STRONG-WALL SB SYSTEM. IF ANY DISCREPANCIES ARE FOUND, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
6. INSTALLATION OF PRODUCT SHALL BE DONE IN CONFORMANCE TO THESE DRAWINGS. THE PERFORMANCE OF MODIFIED PRODUCTS OR ALTERED INSTALLATION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE DESIGNER.
7. SIMPSON STRONG-TIE COMPANY INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS, AND MODELS WITHOUT NOTICE OR LIABILITY FOR SUCH CHANGES.
8. ALL HARDWARE CALLED OUT IS SIMPSON STRONG-TIE.
9. SEE ICC-ES ESR-2652 OR CITY OF LOS ANGELES RR25730 AS APPLICABLE FOR ADDITIONAL INFORMATION.

STRONG WALL ALLOWABLE MODIFICATION

7 / S-520 SCALE: 1" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bartenetes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JESSICA KAY BARLOW REGISTERED No. PE11800818 STATE OF INDIANA PROFESSIONAL ENGINEER
05.14.2026

PROJECT NUMBER:	2025013
DRAWN: SS/JV/DM	CHECKED: JB
BID AND PERMIT SET	05/14/2026
REVISIONS	
# DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

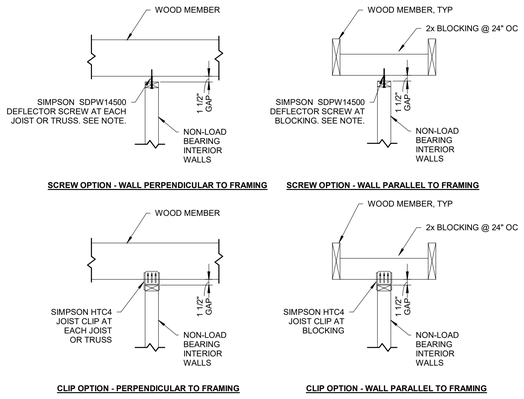
S NINEVEH ROAD
NINEVEH, IN 46164

FRAMING SCHEDULES, SECTIONS, & DETAILS

S-520

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R25.rvt
3/13/2026 3:49:56 PM

NOTE: WHERE NON-LOAD BEARING INTERIOR WALLS HAVE 2-PLY TOP PLATE, USE SIMPSON SDPW19600 DEFLECTOR SCREW.

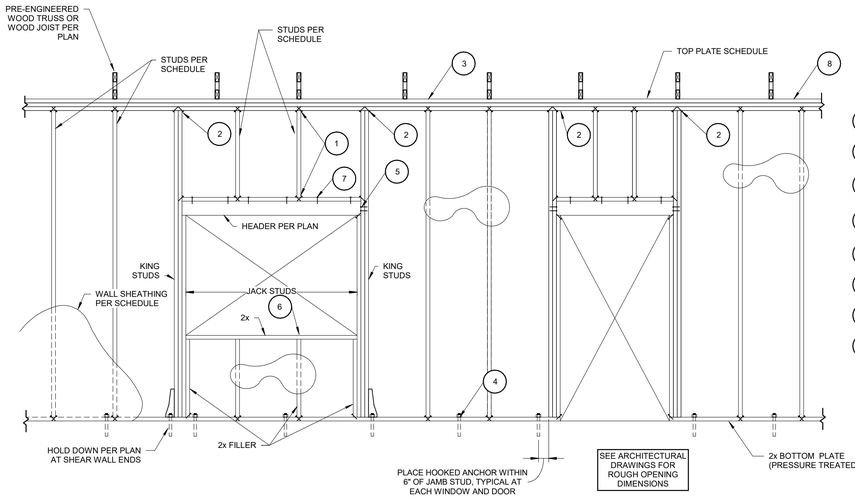


SCREW OPTION - WALL PERPENDICULAR TO FRAMING | **SCREW OPTION - WALL PARALLEL TO FRAMING**

CLIP OPTION - PERPENDICULAR TO FRAMING | **CLIP OPTION - WALL PARALLEL TO FRAMING**

3 S-521 TYPICAL ANCHORAGE OF NON-LOAD BEARING WALLS

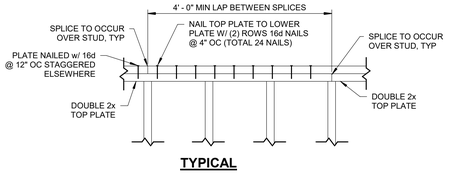
SCALE: 3/4" = 1'-0"



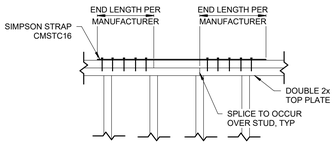
1. (3) 8d TOE NAIL EACH SIDE
2. (6) 8d TOE NAIL EACH SIDE
3. CONNECT TOP PLATE PER TYPICAL PLATE LAP DETAIL
4. 5/8" DIA SILL BOLT MIN. 7" EMBED AT 4'-0" OC MAX, UNO.
5. (2) 8d TOE NAIL EACH SIDE
6. (2) 8d NAIL
7. 8d NAIL @ 6" OC (STAGGER)
8. TOP PLATE SPLICE TO BE DIRECTLY ABOVE STUD. STAGGER SPLICES IN INDIVIDUAL PLATE MEMBERS (DO NOT SPLICE MORE THAN ONE PLATE AT ANY SINGLE LOCATION)

2 S-521 TYPICAL WALL FRAMING DETAIL

SCALE: 1/2" = 1'-0"



TYPICAL

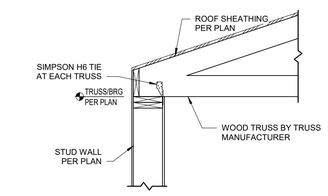


ALTERNATE

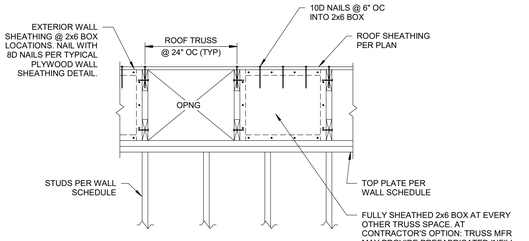
NOTE: ONLY ONE SPLICE PERMITTED ABOVE STUD AT 4'-0" OC MAX.

1 S-521 TYPICAL PLATE LAP DETAIL

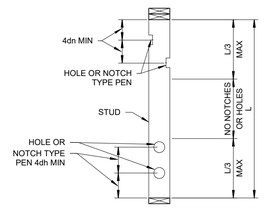
SCALE: 3/4" = 1'-0"



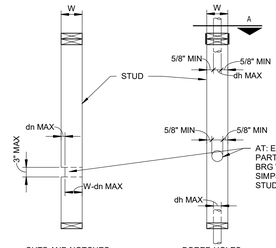
SECTION



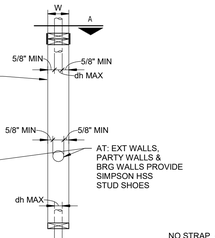
ELEVATION



SPACING OF NOTCHES OR HOLES



CUTS AND NOTCHES

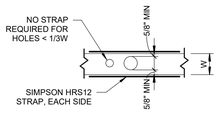


BORED HOLES

STUD SIZE	EXTERIOR WALL, PARTY WALLS, BEARING WALLS		INTERIOR NON-LOAD BEARING WALLS	
	dn MAX	dh MAX	dn MAX	dh MAX
2x4	7/8"	1-3/8"	1-3/8"	2"
2x6	1-3/8"	2-1/8"	2-1/8"	3-1/4"
2x8	1-3/4"	2-7/8"	2-7/8"	4-1/4"

dn - DEPTH OF NOTCH
dh - DEPTH OF HOLE

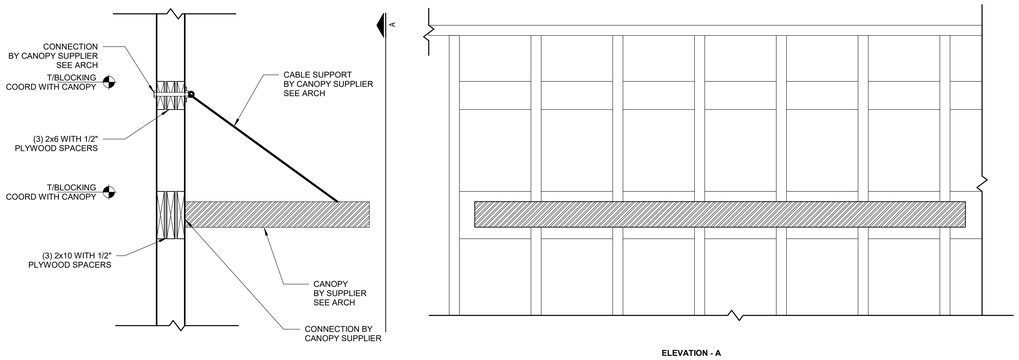
NOTES:
1. MAXIMUM OF (2) PENETRATIONS PER STUD. NO MORE THAN (5) CONSECUTIVE STUDS WITH PENETRATIONS.
2. SEE SCHEDULE FOR MAXIMUM PENETRATION SIZES.
3. STUD PACKS OR POSTS SHALL NOT BE PENETRATED BY A CUT, NOTCH, OR HOLE WITHOUT VERIFYING WITH ENGINEER.
4. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF A STUD AS A CUT OR NOTCH.



SECTION A TOP/BOT PLATES

5 S-521 TYPICAL ROOF FRAMING DETAIL

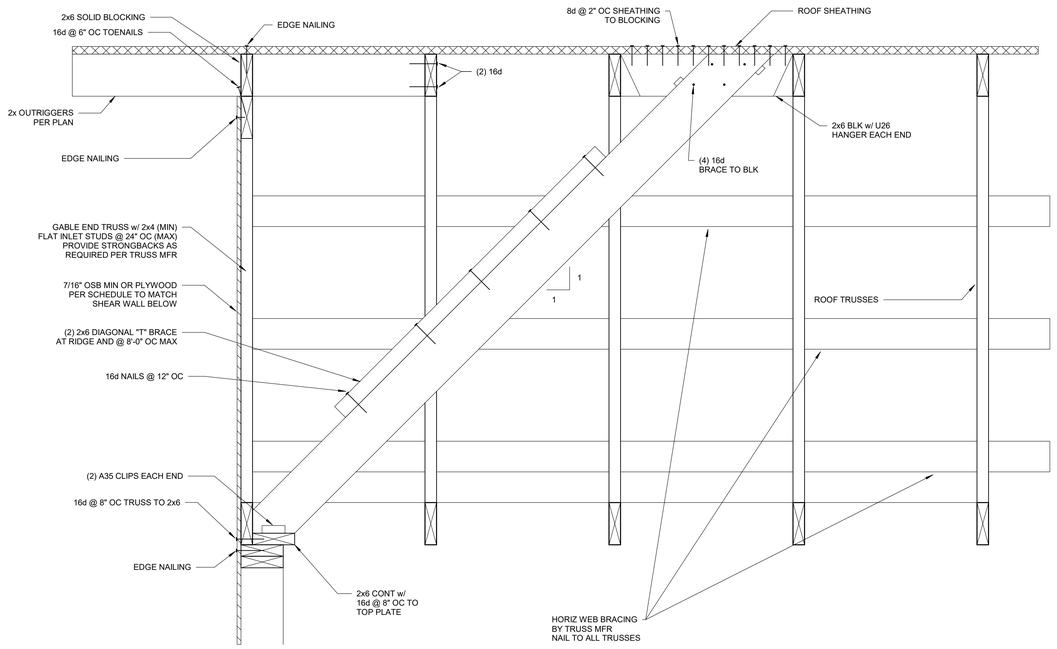
SCALE: 3/4" = 1'-0"



ELEVATION - A

4 S-521 ALLOWABLE PENETRATIONS IN LOAD-BEARING STUDS

SCALE: 3/4" = 1'-0"



7 S-521 EXTERIOR CANOPY DETAIL

SCALE: 1" = 1'-0"

6 S-521 TYPICAL GABLE END WALL BRACE

SCALE: 1 1/2" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Henderson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bankenhei
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JESSICA KAY BARLOW REGISTERED No. PE11800818 STATE OF INDIANA PROFESSIONAL ENGINEER

05.14.2026

Jessica Kay Barlow

PROJECT NUMBER: 2025013
DRAWN: SS/JV/DM CHECKED: JB
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

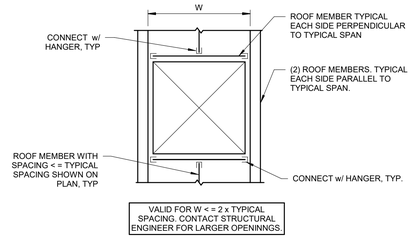
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FRAMING SCHEDULES, SECTIONS, & DETAILS

S-521

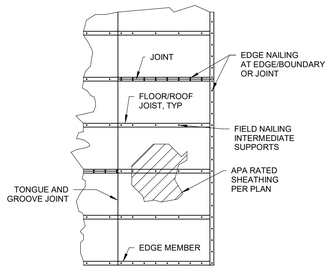
D:\25\2025.2 Nineveh Fire\10 Station 101\Nineveh Fire\10 Station 101 Revit_Structural_R25.rvt
Autodesk Docs://2025013 - Nineveh Fire\10 Station 101\Nineveh Fire\10 Station 101 Revit_Structural_R25.rvt



NOTES:
1. COORDINATE EXACT SIZE AND LOCATION OF OPENINGS WITH MECHANICAL CONTRACTOR.
2. COORDINATE EXACT SIZE AND LOCATION OF ROOF HATCH WITH ARCHITECTURAL DRAWINGS.
3. THE SYMBOL "<=" IS DEFINED AS "LESS THAN OR EQUAL TO".
4. SIZE OF ROOF MEMBERS TO MATCH TYPICAL SIZE SHOWN ON PLAN IN AREA OF OPENING.

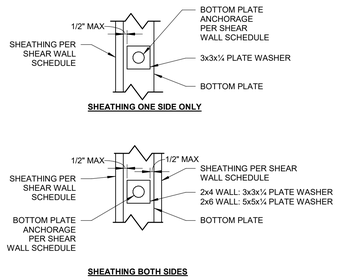
4 S-522 TYPICAL ROOF OPENING DETAIL

SCALE: 1/2" = 1'-0"



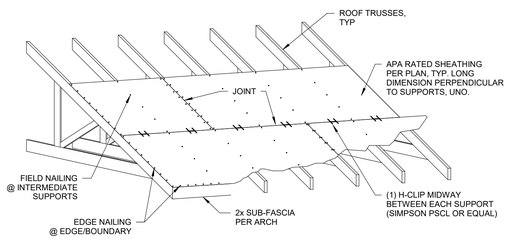
3 S-522 TYPICAL SHEATHING AT WOOD FLOOR AND FLAT ROOF

SCALE: 3/4" = 1'-0"



2 S-522 TYPICAL STEEL PLATE WASHER AT SHEAR WALL BOTTOM PLATE FOUNDATION ANCHORS

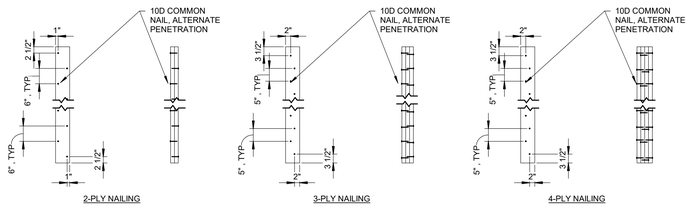
SCALE: 1 1/2" = 1'-0"



UNBLOCKED DIAPHRAGM

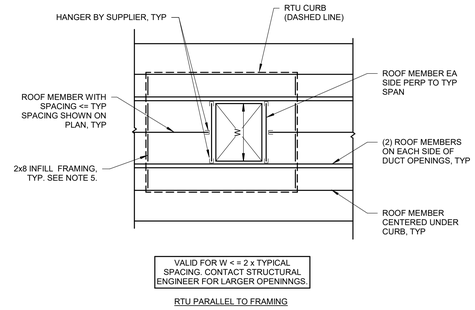
1 S-522 TYPICAL ROOF SHEATHING DETAIL AT WOOD TRUSSES

SCALE: 3/4" = 1'-0"

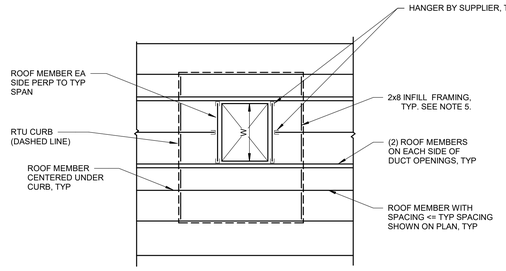


6 S-522 TYPICAL MULTIPLE PLY STUD / HEADER NAILING

SCALE: 1/2" = 1'-0"



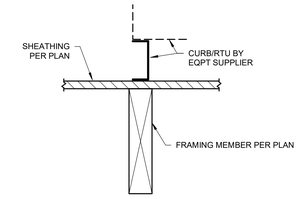
RTU PARALLEL TO FRAMING



RTU PERPENDICULAR TO FRAMING

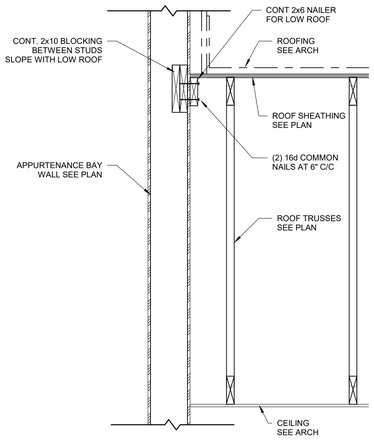
5 S-522 TYPICAL RTU FRAMING DETAILS

SCALE: 3/8" = 1'-0"



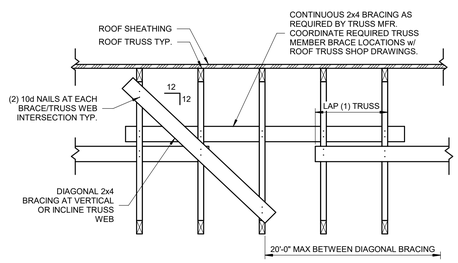
TYPICAL CURB ATTACHMENT DETAIL

NOTES:
1. ROOF MEMBER SUPPLIER TO PROVIDE ALL REQUIRED FRAMING. THE PROPOSED LAYOUT IS PRELIMINARY AND FINAL DESIGN SHALL BE CONFIRMED BY SUPPLIER.
2. COORDINATE EXACT SIZE AND LOCATION OF RTU CURBS AND OPENINGS WITH MECHANICAL CONTRACTOR.
3. CONFIRM DUCT OPENINGS DO NOT PENETRATE THROUGH WALLS OR BEAMS PRIOR TO CONSTRUCTION.
4. THE SYMBOL "<=" IS DEFINED AS "LESS THAN OR EQUAL TO".
5. CONNECT 2x8 INFILL FRAMING WITH SIMPSON LB28 TOP FLANGE HANGER (PROVIDE BACKER BLOCK FOR FRAMING AT HANGER LOCATION). SIZE OF ROOF MEMBER TO MATCH TYPICAL SIZE SHOWN ON PLAN IN AREA OF RTU.
6. SIZE OF ROOF MEMBERS TO MATCH TYPICAL SIZE SHOWN ON PLAN IN AREA OF OPENING.



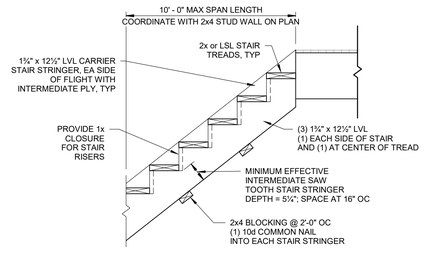
12 S-522 LOW ROOF CONNECTION TO HIGH WALL

SCALE: 1" = 1'-0"



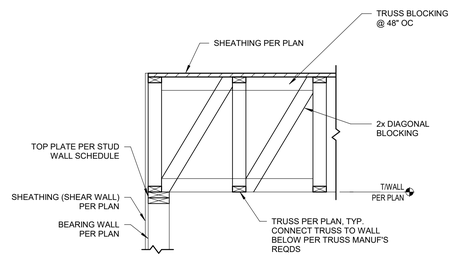
9 S-522 ROOF TRUSS WEB PERMANENT BRACING

SCALE: 3/4" = 1'-0"



8 S-522 TYPICAL STAIR STRINGER

SCALE: 3/4" = 1'-0"



7 S-522 TYPICAL TRUSS FRAMING PARALLEL TO PERIMETER WALL

SCALE: 3/4" = 1'-0"

GENERAL TRUSS BRACING NOTES:

1. ALL BRACING SHOWN OR DESCRIBED SHALL BE MINIMUM 2x4 MEMBER WITH (2) - 16d NAILS INTO EVERY TRUSS WHICH THE BRACING CROSSES.

TOP CHORD BRACING:

1. ALL TRUSS TOP CHORDS SHALL BE BRACED AS NOTED ABOVE OR BY THE ROOF DECKING. SEE THE ROOF PLAN FOR THE DECKING REQUIREMENTS.
2. WHERE CONTINUOUS TOP CHORD LATERAL BRACING IS USED, THE LATERAL BRACING SHALL BE SPACED AS NOTED ON THE SCHEDULE BUT AT NO MORE THAN 8'-0" ON CENTER. DIAGONAL TOP CHORD BRACES SHALL BE LOCATED AT EACH END OF THE BUILDING AND AT NO MORE THAN 20'-0" ON CENTER.

WEB MEMBER BRACING:

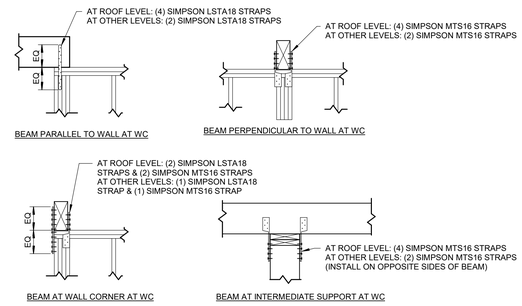
1. ALL TRUSS WEB MEMBERS SHALL BE BRACED BY CONTINUOUS, HORIZONTAL BRACING AT 4'-0" ON CENTER UNLESS SHOWN BY CALCULATION THAT OTHER HORIZONTAL BRACING IS ADEQUATE. HORIZONTAL BRACING SHALL BE STIFFENED BY DIAGONAL BRACING AT EACH END OF THE BUILDING AND AS SHOWN ON THE SCHEDULE. DIAGONAL BRACING SHALL NOT BE SPACED AT MORE THAN 20'-0" ON CENTER.
2. IN LIEU OF DIAGONAL BRACES, 1/2" PLYWOOD SHEATHING EXTENDING FROM THE ROOF DIAPHRAGM TO THE BOTTOM CHORD IS ACCEPTABLE. THE PLYWOOD BRACING SHALL HAVE AN ASPECT RATIO OF ROUGHLY 1V:1H AND SHALL BE NAILED TO THE ROOF DIAPHRAGM AND TO THE BOTTOM CHORD BY NAILING TO BLOCKING WITH 16d NAILS AT 6" ON CENTER.

BOTTOM CHORD BRACING:

1. ALL TRUSS BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACES AT NO MORE THAN 10'-0" ON CENTER UNLESS SHOWN BY CALCULATION THAT OTHER LATERAL BRACING IS ADEQUATE.
2. BOTTOM CHORD DIAGONAL BRACING SHALL BE LOCATED AT EACH END OF THE BUILDING AND AS SHOWN ON THE SCHEDULE. BOTTOM CHORD DIAGONAL BRACE SPACING SHALL NOT EXCEED 30'-0" ON CENTER. CONTINUOUS SHEETING APPLIED TO THE BOTTOM CHORD SHALL SATISFY THE BOTTOM CHORD DIAGONAL BRACING REQUIREMENTS.

10 S-522 TRUSS BRACING NOTES

SCALE: 3/4" = 1'-0"



11 S-522 TYPICAL BEAM TIES AT SUPPORTS

SCALE: 3/4" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bamlentas
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

JERICA KAY BARLOW REGISTERED No. PE11800818 STATE OF INDIANA PROFESSIONAL ENGINEER
05.14.2026
Jerica Kay Barlow

PROJECT NUMBER:	2025013
DRAWN: SS/JV/DM	CHECKED: JB
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FRAMING SCHEDULES, SECTIONS, & DETAILS

S-522

Autodesk Docs://2025013 - Nineveh Twp FD Station (1) Nineveh Twp FD Station_Structural_R24.rvt
3/13/2026 3:49:37 PM

SPECIAL INSPECTION

THE GENERAL CONTRACTOR SHALL EMPLOY INDEPENDENT AGENCY(IES) OR INDIVIDUAL(S) TO PROVIDE SPECIAL INSPECTION FOR ITEMS AS INDICATED ON THE DRAWINGS.

SPECIAL INSPECTION IS A RECOMMENDED PROJECT REQUIREMENT FOR VERIFYING CONFORMANCE OF THE INDICATED CONSTRUCTION. SPECIAL INSPECTION IS REQUIRED IN ADDITION TO ALL MATERIAL TESTS AND INSPECTIONS IDENTIFIED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON, WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER, FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

"PERIODIC" SPECIAL INSPECTION IS DEFINED AS "THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK."

"CONTINUOUS" SPECIAL INSPECTION IS DEFINED AS "THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED."

SUBMIT TO THE STRUCTURAL ENGINEER FOR REVIEW A MINIMUM OF 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ELEMENTS REQUIRING SPECIAL INSPECTION THE FOLLOWING:

1. NAME(S), ADDRESS(ES), TELEPHONE NUMBER(S), EMAIL ADDRESS(ES), AND STATEMENT(S) OF QUALIFICATIONS OF ALL SPECIAL INSPECTOR(S) TO BE ENGAGED ON THE PROJECT.
2. A LISTING OF ALL ITEMS TO RECEIVE SPECIAL INSPECTION, DESIGNATION WHETHER INSPECTIONS WILL BE CONTINUOUS OR PERIODIC AND THE NAME OF THE INDIVIDUAL THAT WILL BE PERFORMING INSPECTION FOR EACH ITEM.

THE CONTRACTOR SHALL COORDINATE WITH THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF WORK REQUIRING SPECIAL INSPECTION AND SHALL PROVIDE ACCESS TO THE SITE AND TO THE CONSTRUCTION DOCUMENTS (CURRENT DRAWINGS AND SPECIFICATIONS) FOR THE SPECIAL INSPECTOR TO CARRY OUT THE REQUIRED OPERATIONS.

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK REQUIRING SPECIAL INSPECTION FOR CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. ALL NON-CONFORMING WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE IMMEDIATE ATTENTION OF THE OWNER OR OWNER'S AGENT AND STRUCTURAL ENGINEER.

THE SPECIAL INSPECTOR SHALL SUBMIT PERIODIC PROGRESS REPORTS TO THE OWNER OR OWNER'S AGENT, CONTRACTOR AND STRUCTURAL ENGINEER IDENTIFYING ALL SPECIAL INSPECTION OPERATIONS PERFORMED. REPORTS SHALL BE SUBMITTED NO MORE THAN 7 DAYS FOLLOWING EACH SPECIAL INSPECTION OPERATION. REPORTS SHALL IDENTIFY THE ITEM(S) INSPECTED AND AN INDICATION OF WHETHER THE INSPECTED ITEMS WERE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

AT THE COMPLETION OF ALL WORK REQUIRING SPECIAL INSPECTION, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE OWNER OR OWNER'S AGENT, CONTRACTOR AND STRUCTURAL ENGINEER STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

FAILURE TO PERFORM SPECIAL INSPECTION FOR THE INDICATED CONSTRUCTION OR FAILURE TO CORRECT NON-CONFORMING WORK SHALL CONSTITUTE A BASIS FOR REJECTION OF THE WORK AND REMOVAL AND REPLACEMENT BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, INCLUDING, BUT NOT LIMITED TO:

1. THE COST OF REMOVAL AND REPLACEMENT OF ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED, INCLUDING THE COST OF TESTING AND SPECIAL INSPECTION FOR THE REPLACEMENT WORK.
2. THE COST OF ALL RELATED WORK MADE NECESSARY BY THE REMOVAL AND REPLACEMENT OF THE UNINSPECTED WORK PER ITEM 1 ABOVE.
3. THE COST FOR DESIGN PROFESSIONAL'S SERVICES RELATED TO ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED AND SERVICES RELATED TO THE REPLACEMENT WORK.

PROVIDE SPECIAL INSPECTION FOR THE FOLLOWING CONSTRUCTION:

SOILS AND EARTHWORK
CONCRETE CONSTRUCTION
MASONRY CONSTRUCTION - LEVEL B INSPECTION
WOOD CONSTRUCTION

SEE TABLES ON THE DRAWINGS FOR SPECIAL INSPECTION PROGRAM REQUIREMENTS.

SPECIAL INSPECTIONS BASIC SERVICES - SOILS AND EARTHWORK

REFER TO IBC 2012 CHAPTER 17 TABLE 1705.6

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
BEARING SOILS FOR SHALLOW FOUNDATIONS	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	Y	PERIODIC	
EXCAVATIONS	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	Y	PERIODIC	
FILL MATERIALS	VERIFY CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS IS PERFORMED	Y	PERIODIC	
FILL MATERIAL PLACEMENT	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	Y	CONTINUOUS	
SUBGRADE PREPARATION	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	Y	PERIODIC	
BACKFILL AT BELOW-GRADE WALLS	VERIFY THAT BELOW-GRADE WALLS WITH UNEVEN BACKFILL CONDITIONS ARE NOT BACKFILLED UNTIL FLOOR CONSTRUCTION AT TOPS OF WALLS (OR OTHER PERMANENT BRACING WHERE APPLICABLE) IS COMPLETE OR TEMPORARY BRACING IS PROVIDED	Y	PERIODIC	

SPECIAL INSPECTIONS BASIC SERVICES - CONCRETE CONSTRUCTION

REFER TO IBC 2012 CHAPTER 17 TABLE 1705.3 AND ACI 318-11

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
REINFORCEMENT	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS (WHERE APPLICABLE) AND VERIFY CORRECT PLACEMENT	Y	PERIODIC	ACI 318 SECTIONS 3.5 AND 7.1 THROUGH 7.7; IBC 1910.4
REINFORCING BAR WELDING	VERIFY WELDABILITY OF BARS OTHER THAN ASTM A706	N	PERIODIC	AWS D1.4, ACI 318 SECTION 3.5.2
ANCHORS AND EMBEDDED ITEMS CAST IN CONCRETE	INSPECT ALL ANCHORS AND EMBEDDED ITEMS FOR PROPER SIZE, TYPE, QUANTITY, LOCATION, POSITION, PROJECTION AND EMBEDMENT	Y	PERIODIC	ACI 318 SECTIONS 3.8.6, 8.1.3, 21.2.8; IBC 1908.5, 1909.1
ANCHORS POST-INSTALLED IN HARDENED CONCRETE	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	Y	PERIODIC	ACI 318 SECTIONS 3.8.6, 8.1.3, 21.2.8; IBC 1909.1
CONCRETE MIX	VERIFY USE OF REQUIRED CONCRETE MIX AT EACH APPLICATION	Y	PERIODIC	ACI 318 CHAPTER 4, SECTIONS 5.2 THROUGH 5.4; IBC 1904.2, 1910.2, 1910.3
CONCRETE TESTING	VERIFY THAT CONCRETE SAMPLING AND TESTING IS PERFORMED IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS	Y	CONTINUOUS	ASTM C172, ASTM C31, ACI 318 5.6, 5.8; IBC 1910.10
CONCRETE PLACEMENT	INSPECT FOR PROPER PLACEMENT TECHNIQUES	Y	CONTINUOUS	ACI 318 SECTIONS 5.9, 5.10; IBC 1910.6, 1910.7, 1910.8
SHOTCRETE PLACEMENT	INSPECT FOR PROPER APPLICATION TECHNIQUES	N	CONTINUOUS	ACI 318 SECTIONS 5.9, 5.10; IBC 1910.6, 1910.7, 1910.8
CONCRETE CURING	VERIFY MAINTENANCE OF PROPER CONCRETE TEMPERATURE AND CURING TECHNIQUES	Y	PERIODIC	ACI 318 SECTIONS 5.11 THROUGH 5.13; IBC 1910.9
PRESTRESSED CONCRETE	INSPECT FOR PROPER APPLICATION OF PRESTRESSING FORCES	N	CONTINUOUS	ACI 318 SECTION 18.20
PRESTRESSED CONCRETE	INSPECT FOR PROPER GROUTING OF BONDED PRESTRESSING TENDONS	N	CONTINUOUS	ACI 318 SECTION 18.18.4
ERECTION OF PRECAST CONCRETE MEMBERS	VERIFY WELDING PROCEDURE SPECIFICATIONS ARE FOLLOWED	N	PERIODIC	ACI CHAPTER 16
ERECTION OF PRECAST CONCRETE MEMBERS	INSPECT ALL CONNECTIONS OF THE PRECAST ELEMENTS TO THE FOUNDATIONS FOR CONFORMANCE TO THE CONTRACT DOCUMENTS	N	PERIODIC	ACI CHAPTER 16
ERECTION OF PRECAST CONCRETE MEMBERS	INSPECT ALL CONNECTIONS OF THE PRECAST ELEMENTS TO THE STRUCTURAL FRAMING FOR CONFORMANCE TO THE CONTRACT DOCUMENTS	N	PERIODIC	ACI CHAPTER 16
IN-SITU CONCRETE STRENGTH - PRE-STRESSING	VERIFY IN-PLACE CONCRETE STRENGTH PRIOR TO STRESSING TENDONS IN POST-TENSIONED CONCRETE	N	PERIODIC	ACI 318 SECTION 6.2
IN-SITU CONCRETE STRENGTH - FORMS AND SHORES	VERIFY IN-PLACE CONCRETE STRENGTH PRIOR TO REMOVAL OF FORMS AND SHORES FROM BEAMS AND STRUCTURAL SLABS	N	PERIODIC	ACI 318 SECTION 6.2
FORMWORK	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	N	PERIODIC	ACI 318 SECTION 6.1.1
WATER STOPS	VERIFY ALL WATER STOPS ARE PROPERLY INSTALLED AND ANCHORED INTO POSITION PRIOR TO PLACEMENT OF CONCRETE	N	PERIODIC	

SPECIAL INSPECTION SERVICES SCHEDULE - MASONRY CONSTRUCTION LEVEL B INSPECTION

REFER TO IBC 2012 CHAPTER 17 AND ACI 530.1-11 TABLE 4

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE (ACI 530-11)	REFERENCE (ACI 530.1-11)
GENERAL COMPLIANCE	VERIFY MASONRY UNITS AND MATERIALS COMPLY WITH APPROVED SUBMITTALS	Y	PERIODIC		ARTICLE 1.5
TESTING OF SELF-CONSOLIDATING GROUT	VERIFY THAT SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) TESTS ARE PROVIDED FOR SELF-CONSOLIDATING GROUT	Y	PERIODIC		ARTICLE 1.5B.1.b.3
TESTING OF GROUT COMPRESSIVE STRENGTH	WHEN REQUIRED f'm EXCEEDS 2,000 PSI, VERIFY A PRISM STRENGTH TEST OF GROUT IS PERFORMED FOR EACH 5,000 SFT OR LESS OF WALL AREA	N	PERIODIC		ARTICLE 1.4B
AT START OF MASONRY CONSTRUCTION:					
SITE-PREPARED MORTAR	VERIFY PROPORTIONS OF SITE-PREPARED MORTAR ARE IN CONFORMANCE WITH CONSTRUCTION DOCUMENTS	Y	PERIODIC		ARTICLES 2.1, 2.6A
MORTAR JOINTS	VERIFY PROPER MORTAR JOINT CONSTRUCTION	Y	PERIODIC		ARTICLE 3.3B
REINFORCEMENT AND CONNECTORS	VERIFY LOCATION OF REINFORCEMENT AND CONNECTORS	Y	PERIODIC		ARTICLE 3.4
PRESTRESSING TENDONS	VERIFY GRADE, TYPE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	N	PERIODIC		ARTICLE 2.4
PRESTRESSING TENDONS	VERIFY LOCATION OF PRESTRESSING TENDONS AND ANCHORAGES	N	PERIODIC		ARTICLES 3.4, 3.6A
PRESTRESSING TECHNIQUE	VERIFY PRESTRESSING TECHNIQUE AND MONITORING IS IN CONFORMANCE WITH CONSTRUCTION DOCUMENTS	N	PERIODIC		ARTICLE 3.6B
PRIOR TO GROUTING:					
GROUT SPACE	VERIFY GROUT SPACES ARE PREPARED AND CLEARED PRIOR TO GROUT PLACEMENT	Y	PERIODIC		ARTICLE 3.2D, 3.2F
REINFORCEMENT AND ANCHOR MATERIALS	VERIFY PROPER GRADE, SIZE, AND TYPE OF REINFORCEMENT, ANCHOR BOLTS AND EMBEDDED ITEMS	Y	PERIODIC	SECTION 1.16	ARTICLE 2.4, 3.4
REINFORCEMENT AND ANCHOR PLACEMENT	VERIFY LOCATION, SIZE, QUANTITY, TYPE AND SUPPORT FOR ALL REINFORCEMENT, ANCHOR BOLTS AND EMBEDDED ITEMS	Y	PERIODIC	SECTION 1.16	ARTICLES 3.2E, 3.4
SITE-PREPARED GROUT	VERIFY PROPORTIONS OF SITE-PREPARED GROUT	Y	PERIODIC		ARTICLE 2.6B
MORTAR JOINTS	VERIFY PROPER MORTAR JOINT CONSTRUCTION WITHOUT OBSTRUCTIONS THAT WOULD DETRIMENTALLY AFFECT GROUT PLACEMENT	Y	PERIODIC		ARTICLE 3.3B
PRESTRESSING TENDONS	VERIFY GRADE, TYPE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	N	PERIODIC		ARTICLE 2.4
PRESTRESSING TENDONS	VERIFY LOCATION OF PRESTRESSING TENDONS AND ANCHORAGES	N	PERIODIC		ARTICLES 3.4, 3.6A
GROUT FOR BONDED TENDONS	VERIFY PROPORTIONS OF PRE-STRESSING GROUT FOR BONDED TENDONS	N	PERIODIC		ARTICLE 2.4 G.1.b
DURING CONSTRUCTION:					
STRUCTURAL ELEMENTS	VERIFY SIZE AND LOCATION OF STRUCTURAL ELEMENTS	Y	PERIODIC		ARTICLE 3.3F
ANCHORAGES	VERIFY TYPE, SIZE AND LOCATION OF ANCHORS INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES AND OTHER CONSTRUCTION	Y	PERIODIC	SECTIONS 1.16.4.3, 1.17.1	
WELDING OF REINFORCEMENT	WHERE SPECIFICALLY PERMITTED, VERIFY WELDING OF REINFORCEMENT CONFORMS TO INDICATED STANDARDS	N	CONTINUOUS	SECTIONS 2.1.7.7.2, 3.3.3.4 (c), 8.3.3.4 (b)	
COLD WEATHER / HOT WEATHER	VERIFY PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40F) AND HOT WEATHER (TEMPERATURE ABOVE 90F)	Y	PERIODIC		ARTICLES 1.8C, 1.8D
PLACEMENT OF GROUT	VERIFY PROPER PLACEMENT AND CONSOLIDATION OF GROUT	Y	CONTINUOUS		ARTICLE 3.5
TEST SPECIMENS	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS	Y	PERIODIC		ARTICLES 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4
PRESTRESSING FORCE APPLICATION	VERIFY APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE IS IN CONFORMANCE WITH CONSTRUCTION DOCUMENTS	N	CONTINUOUS		ARTICLE 3.6B
PRESTRESSING GROUT PLACEMENT	VERIFY PLACEMENT OF GROUT FOR BONDED PRESTRESSING TENDONS CONFORMS TO INDICATED REQUIREMENTS	N	CONTINUOUS		ARTICLE 3.6C
AUTOCLAVED AERATED CONCRETE (AAC) MASONRY:					
COMPRESSIVE STRENGTH TEST	VERIFY AAC f'AAC PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SFT OF WALL	N	PERIODIC		ARTICLE 1.4B
AAC THIN-BED MORTAR	VERIFY PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	N	NOTE 2		ARTICLE 2.1C
AAC PLACEMENT	VERIFY PROPER PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	N	NOTE 2		ARTICLE 3.3B.8

NOTES:

1. INSPECTION REQUIREMENTS PER THIS TABLE APPLY TO ENGINEERED MASONRY IN RISK CATEGORIES I, II AND III, UNO.
2. FOR AAC MASONRY, INSPECT CONTINUOUS FOR FIRST 5,000 SFT OF AREA, PERIODIC FOR REMAINDER.

SPECIAL INSPECTIONS BASIC SERVICES - WOOD CONSTRUCTION

REFER TO IBC 2012 CHAPTER 17 SECTION 1705

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
SHOP-FABRICATED LOAD BEARING AND LATERAL LOAD RESISTING MEMBERS AND ASSEMBLIES (NOTE 1)	DURING FABRICATION, ON THE PREMISES OF THE FABRICATOR'S SHOP, INSPECT TO CONFIRM PROPER MEMBER SIZES, SHEATHING AND FASTENING.	N	PERIODIC	IBC 1704.2.5 AND 1705.5
HIGH-LOAD DIAPHRAGMS (NOTE 2)	INSPECT WOOD STRUCTURAL PANEL SHEATHING TO CONFIRM PROPER GRADE AND THICKNESS.	N	PERIODIC	IBC 1705.5.1
HIGH-LOAD DIAPHRAGMS (NOTE 2)	VERIFY NOMINAL SIZE OF ALL FRAMING MEMBERS AT ADJOINING PANEL EDGES, NAIL/STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES AND SPACING BETWEEN FASTENERS CONFORMS WITH THE APPROVED CONSTRUCTION DOCUMENTS.	N	PERIODIC	IBC 1705.5.1
METAL PLATE CONNECTED TRUSSES WITH CLEAR SPAN GREATER THAN 60 FEET	VERIFY THAT ALL TEMPORARY AND PERMANENT TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.	Y	PERIODIC	IBC 1705.5.2
LATERAL LOAD RESISTING SYSTEMS WITH FASTENER SPACING 4 INCHES ON CENTER OR LESS (NOTE 3, 4)	INSPECT NAILING, BOLTING, ANCHORING AND ALL OTHER FASTENING OF WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, COLLECTORS, BRACES AND HOLD-DOWNS	Y	PERIODIC	IBC 1705.10.1, 1705.11.2
LATERAL LOAD RESISTING SYSTEMS (NOTE 3, 4)	INSPECT FIELD GLUING OPERATIONS (WHERE REQUIRED) OF WOOD SHEAR WALLS AND WOOD DIAPHRAGMS.	Y	CONTINUOUS	IBC 1705.10.1, 1705.11.2
WIND-RESISTING ROOF SYSTEMS AND COMPONENTS (NOTE 3)	INSPECT FASTENING OF ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS	Y	PERIODIC	IBC 1705.10.3
WIND-RESISTING WALL SYSTEMS AND COMPONENTS (NOTE 3)	INSPECT EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	Y	PERIODIC	IBC 1705.10.3

NOTES:

1. SHOP-FABRICATION SPECIAL INSPECTION NOT REQUIRED FOR FABRICATORS APPROVED PER IBC 1704.2.5.1.
2. HIGH-LOAD DIAPHRAGMS ARE DIAPHRAGMS WITH 2 OR MORE ROWS OF FASTENERS AT PANEL EDGES.
3. NOTED ITEM REQUIRED FOR WIND EXPOSURE B (120 MPH OR GREATER) AND WIND EXPOSURE C OR D (110 MPH OR GREATER).
4. NOTED ITEM REQUIRED FOR SEISMIC DESIGN CATEGORY C, D, E, F.

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joa Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-833-3614

JESSICA KAY BARLOW
REGISTERED
No. PE11800818
STATE OF INDIANA
PROFESSIONAL ENGINEER
05.14.2026

PROJECT NUMBER: 2025013
DRAWN: SS/JV/DM CHECKED: JKB
BID AND PERMIT SET 05/14/26

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

SPECIAL INSPECTIONS

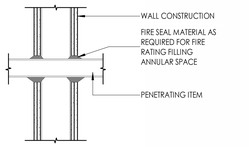
S-700

5/13/2026 3:49:28 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R25.rvt

FIRE STOPPING SCHEDULE AND DETAILS

BASE MATERIAL	PENETRATING ITEM	FIRE RATING	UL SYSTEM NO.	BASIS OF DESIGN HILTI PRODUCT
	METAL PIPE			
CONCRETE OR CONCRETE BLOCK	STEEL, COPPER, CONDUIT OR EMT (SLEEVED OR UNSLEEVED)	3 HR	CAJ 1155	FS ONE
			CAJ 1226	FS ONE
	STEEL, COPPER, CONDUIT OR EMT	4 HR	WJ 1042	FS ONE
GYPSUM	STEEL, COPPER, CONDUIT OR EMT	1 OR 2 HR	WJ 1054	FS ONE
	STEEL, COPPER, CONDUIT OR EMT	1 OR 2 HR	WJ 1085	FS ONE
	STEEL, COPPER, CONDUIT OR EMT (SLEEVED)	2 HR	WJ 1058	FS ONE
	STEEL, COPPER, CONDUIT OR EMT	4 HR	WJ 1110	FS ONE
	INSULATED METAL PIPES			
CONCRETE OR CONCRETE BLOCK	STEEL, COPPER, CONDUIT OR EMT W/ GLASSFIBER INSULATION (SLEEVED OR UNSLEEVED)	2 HR	CAJ 5091	FS ONE
	STEEL, COPPER, CONDUIT OR EMT W/ AB/PVC INSULATION (SLEEVED OR UNSLEEVED)	3 HR	CAJ 5090	FS ONE
	STEEL, COPPER, CONDUIT OR EMT PIPE W/ GLASSFIBER INSULATION IN A SLEEVE	4 HR	WJ 5029	FS ONE
GYPSUM	STEEL, COPPER, CONDUIT OR EMT W/ GLASSFIBER INSULATION	1 OR 2 HR	WL 5029	FS ONE
	STEEL, COPPER, CONDUIT OR EMT W/ AB/PVC INSULATION	1 OR 2 HR	WL 5028	FS ONE
	STEEL, COPPER, CONDUIT OR EMT W/ GLASSFIBER INSULATION (SLEEVED OR UNSLEEVED)	1 OR 2 HR	WL 5025	FS ONE W/ COLLAR
	STEEL, COPPER, CONDUIT OR EMT PIPE W/ GLASSFIBER INSULATION IN A SLEEVE	4 HR	WL 5073	FS ONE
	JOINTS			
CONCRETE OR CONCRETE BLOCK	CONCRETE BLOCK WALL TO METAL DECK (TOP OF WALL)	2 HR	HWD-0008	FS ONE
GYPSUM	GYPSUM WALL TO METAL DECK (TOP OF WALL TO ROOF) D13/A601 (TOP OF WALL TO FLOOR)	1 OR 2 HR 1 OR 2 HR	HWD-1011 HWD/1003/-1011	CP 601 OR FS ONE
	PLASTIC & GLASS PIPE			
CONCRETE OR CONCRETE BLOCK	PVC, CPVC (CLOSED SYSTEM ONLY)	3 HR	CAJ 2141	FS ONE
	PVC, CPVC, ABS, FRPP	3 HR	CAJ 2109	CP 642
	GLASS PIPE	3 HR	CAJ 2118	FS ONE
	MAX 6" PVC, CPVC, ABS, FRPP (IN A SLEEVE)	3 HR	CAJ 2110	CP 642
GYPSUM	PVC, CPVC (CLOSED SYSTEM ONLY)	1 OR 2 HR	WL 2098	FS ONE
	PVC, CPVC, ABS, FRPP (CLOSED SYSTEM ONLY)	1 OR 2 HR	WL 2078	CP 642
			WL 2075	FS ONE

BASIS OF DESIGN: HILTI CONSTRUCTION CHEMICALS, INC.
APPROVED EQUALS: PRODUCT OF EQUIVALENT CHARACTERISTICS UL COMPLIANT WITH UL 1479 AND UL 2079, ASTM E1339.



01 WALL PENETRATION
SCALE: 1" = 1'-0"

ABBREVIATIONS

MISCELLANEOUS
∠ ANGLE
℄ CENTER LINE
NUMBER

A
A/C AIR CONDITIONING
ACOUS. ACOUSTICAL
A.C.T. ACOUSTICAL CEILING TILE
ACP ACOUSTICAL CEILING PANEL
ADA AMERICANS W/DISABILITIES ACT
ADAAG AMERICANS W/DISABILITIES ACT ACCESSIBILITY GUIDELINES
ADJ. ADJUSTABLE
A/E ARCHITECT/ENGINEER
A.F.F. ABOVE FINISHED FLOOR
ALT. ALTERNATE
ALUM. ALUMINUM
A.P. ACCESS PANEL
ARCH. ARCHITECT/ARCHITECTURAL
A.V. AUDIO/VISUAL

B
BD. BOARD
BITUM. BITUMINOUS
BLDG. BUILDING
B/O BOTTOM OF
B.O.W. BOTTOM OF WALL
BSMT. BASEMENT

C
CAB. CABINET
C.F.C.I. CONTRACTOR FURNISHED-CONTRACTOR INSTALLED
C.G. CORNER GUARD
C.I.P. CAST-IN-PLACE
C.J. CONTROL JOINT
CL. CENTERLINE
CLG. CEILING
CLR CLEAR(ANCE)
C.M. CONSTRUCTION MANAGER
CMP COMPOSITE METAL PANEL
C.M.U. CONCRETE MASONRY UNIT
COL. COLUMN
CONC. CONCRETE
CONST. CONSTRUCTION
CONT. CONTINUOUS
CONTR. CONTRACTOR
COOR. COORDINATE
CPT. CARPET
C.T. CERAMIC TILE
C.W. COLD WATER

D
D.E.F.S. DIRECT APPLIED EXTERIOR FINISHING SYSTEM
DEPT. DEPARTMENT
DET. DETAIL
D.F. DRINKING FOUNTAIN
DIA. DIAMETER
DIM. DIMENSION
DISP. DISPENSER
D.M.B. DRY MARKER BOARD
DN DOWN
DS DOWNSPOUT
DWG. DRAWING

E
EA. EACH
E.C. ELECTRICAL CONTRACTOR
E.I.F.S. EXTERIOR INSULATION FINISH SYSTEM
E.J. EXPANSION JOINT
EL. ELEVATION
ELEC. ELECTRIC/ELECTRICAL
ELV. ELEVATOR/ELEVATION
ENGR. ENGINEER
E.P. ELECTRICAL PANEL
EQ. EQUAL
EQUIP. EQUIPMENT
E.W.C. ELECTRIC WATER COOLER
EXIST. EXISTING
EXP. EXPOSED
EXT. EXTERIOR

F
F-R FIRE-RESISTIVE
FAB. FABRICATE/FABRICATOR
F.C.U. FAN COIL UNIT
F.D. FLOOR DRAIN
F.E. FIRE EXTINGUISHER
F.E.C. FIRE EXTINGUISHER CABINET
F.F.E. FINISH FLOOR ELEVATION
F.F.&.E. FURNISHINGS, FIXTURES AND EQUIPMENT
F.H.C. FIRE HOUSE CABINET
FIN. FINISH(ED)
FLR. FLOOR
FLUOR. FLUORESCENT
F.O. FINISH OPENING
F.O.B. FACE OF BLOCK
F.O.B.R. FACE OF BRICK
F.O.C. FACE OF CONCRETE
F.O.F. FACE OF FINISH
F.O.G. FACE OF GYPSUM BOARD
F.O.S. FACE OF STUD
FPRF. FIREPROOF
FT. FOOT/FEET
F.V. FIELD VERIFY

G
GA. GAUGE
G.C. GENERAL CONTRACTOR
GEN. GENERAL
GL. GLASS
GWB GYPSUM WALL BOARD

H
H/HT. HEIGHT
HB HOSE BIBB
HDWR. HARDWARE
H.M. HOLLOW METAL
HORIZ. HORIZONTAL
HVAC HEATING, VENTILATION & A.C.
H.W. HOT WATER

I
I.D. INSIDE DIAMETER
INCAN. INCANDESCENT
INFO. INFORMATION
INSUL. INSULATION
INT. INTERIOR

J
JAN. JANITOR
J.C. JANITOR CLOSET
JST. BRG. JOIST BEARING
JT. JOINT

L
L LENGTH
LAV. LAVATORY
LB. POUND
L.H. LEFT HAND
L.L.H. LONG LEG HORIZONTAL
L.L.O. LONG LEG OUT
L.L.V. LONG LEG VERTICAL

M
MAX. MAXIMUM
MB. MARKER BOARD
M.C. MECHANICAL CONTRACTOR
M.D.F. MEDIUM DENSITY FIBERBOARD
MECH. MECHANICAL
M.E.P. MECH./ELECT./PLUMBING
MFR. MANUFACTURER(ING)
M.H. MANHOLE
MIN. MINIMUM
MISC. MISCELLANEOUS
M.O. MASONRY OPENING
MTL. METAL

N
N.A.F. NO APPLIED FINISH
N.I.C. NOT IN CONTRACT
NO. NUMBER
N.T.S. NOT TO SCALE

O
O.A. OVER ALL
O.C. ON CENTER
O.D. OUTSIDE DIAMETER
O.F.C.I. OWNER FURNISHED-CONTRACTOR INSTALLED
O.F.O.I OWNER FURNISHED-OWNER INSTALLED
O.H. OPPOSITE HAND
OPG. OPENING
OPP. OPPOSITE

P
P.L. PROPERTY LINE
P. LAM. PLASTIC LAMINATE
PLAS. PLASTER
PR. PAIR
PREFAB. PREFABRICATED
PT. BD. PARTICLE BOARD
PTD. PAINTED
PWD. PLYWOOD

Q
Q.T. QUARRY TILE

R
R RADIUS
R.C.P. REFLECTED CEILING PLAN
R.D. ROOF DRAIN
REF. REFERENCE
REFL. REFLECTED
REINF. REINFORCED
RESIL. RESILIENT
R.H. RIGHT HAND
RM. ROOM
R.O. ROUGH OPENING

S
SCHED. SCHEDULE
S.D. SOAP DISPENSER
SECT. SECTION
S.F. SQUARE FEET
SHT. SHEET
SIM. SIMILAR
SPEC. SPECIFICATION
SQ. SQUARE
S.S. STAINLESS STEEL
STD. STANDARD
STL. STEEL
STOR. STORAGE
STRUCT. STRUCTURAL
SUSP. SUSPEND(ED)
SYM. SYMMETRICAL

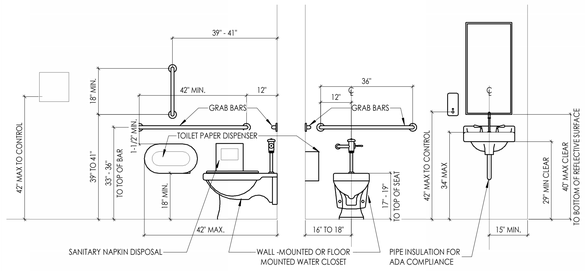
T
T. THICKNESS
T.B. TACK BOARD
TBD TO BE DETERMINED
T.C. TOP OF CURB
T.D. TOP OF DECK
TECH. TECHNICAL
TEL. TELEPHONE
TEMP. TEMPORARY
T&G TONGUE AND GROOVE
T.M. TOP OF MASONRY
TMPRD. TEMPERED
T/O TOP OF
T.P. TOP OF PAVEMENT
T.S. TOP OF STEEL
T.W. TOP OF WALL
TYP. TYPICAL

U
U.N.O UNLESS NOTED OTHERWISE
UTIL. UTILITY
U.V. UNIT VENTILATOR

V
VCT. VINYL COMPOSITION TILE
VERT. VERTICAL
VEST. VESTIBULE
V.I.F. VERIFY IN FIELD

W
W WIDE/WIDTH
W/ WITH
W.C. WATER CLOSET
WD. WOOD
W.H. WATER HEATER
W/O WITHOUT
WT. WEIGHT
W.W.F. WELDED WIRE FABRIC

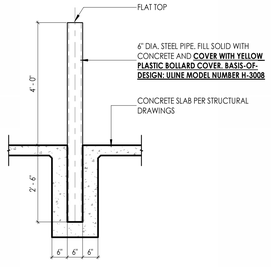
TOILET ACCESSORY MOUNTING HEIGHTS



SPECIALTY ACCESSORY SCHEDULE

TYPE	ITEM	MFR / MODEL	COMMENTS	PROVIDED BY	INSTALLED BY
T1	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME	BOBRICK B-290 2436	24"W X 36"H MIRROR	CONTRACTOR	CONTRACTOR
T2	GRAB BARS (3 PIECE)	BOBRICK B-6806 SERIES	36", 42" AND 18" VERTICAL	CONTRACTOR	CONTRACTOR
T3	SINGLE-ROLL TOILET TISSUE DISPENSER	BOBRICK B-273		CONTRACTOR	CONTRACTOR
T4	SHOWER CURTAIN ROD	BOBRICK B-6107 X42"	VERIFY FINISHED OPENING DEPTH PRIOR TO ORDERING.	CONTRACTOR	CONTRACTOR
T5	SURFACE-MOUNTED PAPER TOWEL DISPENSER	BOBRICK B-262	ADA COMPLIANT	CONTRACTOR	CONTRACTOR
T6	TOWEL HOOK	BOBRICK B-76717	SATIN STAINLESS FINISH	CONTRACTOR	CONTRACTOR

NOTE: REFER TO PROJECT MANUAL FOR COMPLETE TOILET ACCESSORY SPECIFICATIONS.



02 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"

GENERAL PROJECT NOTES

SCOPE DRAWINGS AND SPECIFICATIONS, AS DEFINED BY THE INDIANA CONSTRUCTION INDUSTRY COUNCIL'S GUIDELINES.

A. THE CONTRACTOR SHALL OBSERVE THE FOLLOWING:

NOTHING SET FORTH IN THESE DRAWINGS SHALL RELEASE ANY CONTRACTOR FROM RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, ANCHORAGE AND COORDINATION WITH OTHER TRADES, OR WAIVE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND RESOLVE DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR WAIVE THE CONTRACTOR'S RESPONSIBILITY TO ALERT THE ARCHITECT TO ERRORS OR OMISSIONS CONTAINED THEREIN.

CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND AS PERTINENT TO THE INTENT OF THESE DRAWINGS. ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY, OR RELATED TO, SUCH DISCREPANCY.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH, OR CAUSED BY FAILURE TO COMPLY WITH REQUIREMENT.

CONTRACTOR SHALL REVIEW IN ADVANCE ALL PORTIONS OF THE WORK TO VERIFY THAT THE WORK WILL NOT PROHIBIT COMPLETION OF THE PROJECT AS INTENDED IN THESE CONTRACT DOCUMENTS. ANY QUESTIONS SHALL BE PROMPTLY REFERRED TO THE ARCHITECT FOR RESOLUTION.

CONTRACTOR SHALL REFER TO THE PROJECT MANUAL FOR CLEANING AND DISPOSAL REQUIREMENTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURFACES AND FINISHES AT INTERIOR AND EXTERIOR OF BUILDING. DAMAGED SURFACES AND FINISHES RESULTING FROM THE PERFORMANCE OF THE WORK SHALL BE REPAIRED AT NO COST TO THE OWNER BY THE RESPONSIBLE CONTRACTOR TO MATCH EXISTING TO THE SATISFACTION OF THE OWNER.

CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE WORK, EVEN THOSE AREAS DESIGNATED TO BE PROVIDED BY OTHERS. THIS FAMILIARIZATION INCLUDES FULL AND COMPLETE UNDERSTANDING OF THE WORK DESCRIBED ON ALL SHEETS OF THE DRAWINGS AND IN ALL SECTIONS OF THE PROJECT MANUAL. FAILURE BY THE CONTRACTOR TO BECOME COMPLETELY FAMILIAR AND COGNIZANT OF ALL ASPECTS OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PROVIDE MATERIALS, ASSEMBLIES, OR SERVICES INDICATED IN THE CONTRACT DOCUMENTS.

B. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

ALL MATERIAL AND EQUIPMENT OF INDUSTRY STANDARD QUALITY, SPECIFIED OR NOT, AND WITH THE LIMITATION OF THE CONTRACT DOCUMENTS TO CAUSE THE INSTALLATION TO FUNCTION IN ACCORDANCE WITH THE INTENTION AND OBJECTIVE OF THE FINISHED PROJECT.

ALL MATERIAL NECESSARY FOR EQUIPMENT TO FUNCTION IN A NORMAL AND ACCEPTABLE MANNER.

ALL WORK REQUIRED TO CAUSE CONTRACTOR'S OPERATIONS TO FIT AND COORDINATE WITH OTHER TRADES.

ALL WORK REQUIRED TO COMPLY WITH GOVERNING CODES WITH RESPECT TO CONTRACTOR'S ACTIVITY, EXCEPT FOR DESIGN CRITERIA INVOLVING CAPACITIES AND BASIC DESIGN.

WHEN NOT INDICATED IN THE CONTRACT DOCUMENTS, THE SIZING OF INTERCONNECT FACILITIES, SUCH AS DUCTS AND WIRING IN PIECES OF EQUIPMENT IN ORDER TO UTILIZE THE SPECIFIED CAPACITIES OF THE EQUIPMENT.

WHEN NOT INDICATED IN THE CONTRACT DOCUMENTS, THE STANDARDS ESTABLISHED BY THE RECOGNIZED TRADE ASSOCIATION HAVING JURISDICTION FOR THE PRODUCT INCLUDED IN THE PROJECT SHALL GOVERN THE WORK.

ALL UNSPECIFIED FIXTURES, ACCESSORIES AND / OR EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL HAVE CUT SHEETS / DRAWINGS SUBMITTED TO THE ARCHITECT FOR APPROVAL.

GENERAL PLAN NOTES

A. DO NOT SCALE THE DRAWINGS. REFER DISCREPANCIES TO ARCHITECT FOR FINAL DECISIONS.

B. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD TO FACE OF STUD UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.

C. PROVIDE BRACING AND WOOD BLOCKING AS REQUIRED IN WALLS SUPPORTING CASEWORK, TACKBOARDS, MARKERBOARDS, RESTROOM ACCESSORIES, ETC.

D. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.

E. ALL GYPSUM WALLBOARD IS 5/8" TYPE 'X' UNLESS NOTED OTHERWISE. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD IN APPARATUS BAY, JANITOR CLOSETS, RESTROOMS, LOCKER ROOMS AS WELL AS WET WALLS KITCHEN AND LAUNDRY ROOMS.

F. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT INDIVIDUAL UNITS OF WORK AT INDUSTRY RECOGNIZED STANDARD MOUNTING HEIGHTS. ADA AND ANSI A117.1 FOR THE PARTICULAR APPLICATION AND REFER QUESTIONABLE MOUNTING HEIGHT CHOICES TO ARCHITECT FOR FINAL DECISIONS.

G. COORDINATE ENGINEERING DRAWINGS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT.

H. CONFLICTS BETWEEN SPECIFICATIONS AND DRAWINGS SHALL BE COMMUNICATED TO THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF THE WORK.

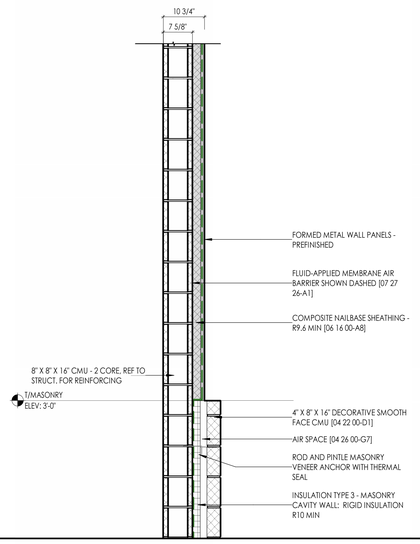
I. SUPPLY, COORDINATE, AND INSTALL ACCESS DOORS, PANELS AND HATCHES IN CEILINGS, WALLS, AND FLOORS; AND NOTIFY ARCHITECT OF ANY CONFLICTS WITH FEATURES SHOWN ON DRAWINGS.

J. PROVIDE WATER ROUGH-IN AND ELECTRICAL CONNECTIONS FOR OWNER-PROVIDED EQUIPMENT IN COMPLIANCE WITH MEP DRAWINGS.

K. PROVIDE SLIP CHANNELS AT ALL LOCATIONS WHERE WALLS EXTEND TO A STRUCTURAL MEMBER ABOVE.

L. DOORS ARE TO BE INSTALLED 4" FROM CORNER TO EDGE OF FRAME TYPICAL.

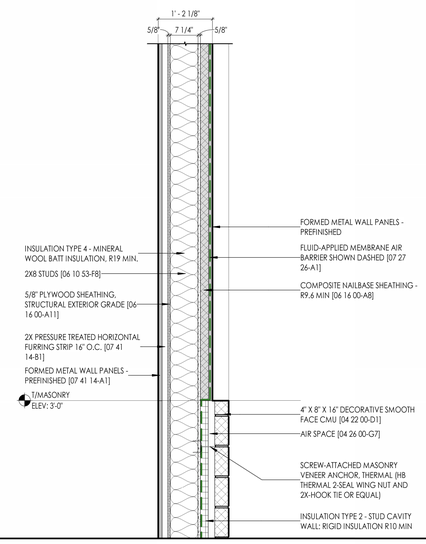
EXTERIOR WALL TYPES SCHEDULE



EM1

FIRE RATING	REF.	DESIGN No.	R-VALUE	U-VALUE	
			-	0.052	

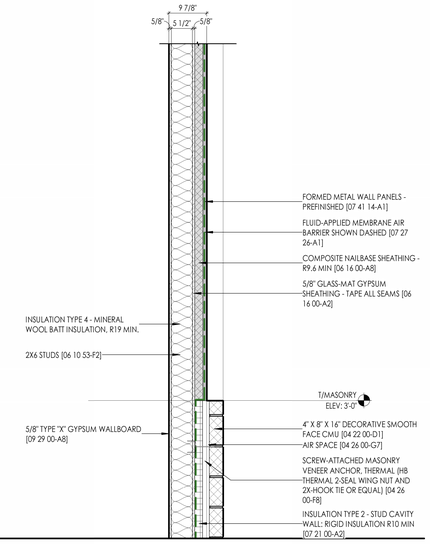
BRICK AND METAL PANEL ON 8" CMU.



EW2

FIRE RATING	REF.	DESIGN No.	R-VALUE	U-VALUE	
			-	0.052	

BRICK AND METAL PANEL ON 2X8 STUD AT 16" O.C.



EW1

FIRE RATING	REF.	DESIGN No.	R-VALUE	U-VALUE	
			-	0.052	

BRICK AND METAL PANEL ON 2X6 STUD AT 16" O.C.

MATERIALS LEGEND

NOTE: PATTERNS SHOWN REPRESENT CUT MATERIALS IN PLAN OR SECTION, UNLESS NOTED OTHERWISE BELOW.

- EARTH
- GRANULAR FILL
- SAND, GROUT AS NOTED
- CAST-IN-PLACE CONCRETE
- PRECAST CONCRETE, CAST STONE
- CONCRETE MASONRY UNIT
- BRICK MASONRY
- STONE: LIMESTONE, GRANITE, MARBLE OR AS NOTED
- TERRA COTTA, STRUCTURAL CLAY TILE
- METAL: TYPE AS NOTED
- METAL: ROLLED SHAPES
- ACOUSTICAL CEILING TILE
- RESINOUS FLOORING: TERRAZZO, TROWEL-ON, UNO
- TILE: CERAMIC, QUARRY, UNO
- CARPET, CARPET TILE (DETAIL)
- GRATING SHOWN IN PLAN
- GRATING
- INSULATED GLASS: (SMALL SCALE)
- INSULATED GLASS: (DETAIL)
- MEMBRANE: WATERPROOF, ROOF, DAMPPROOFING
- AIR BARRIER SYSTEM
- GLASS FIBER REINFORCED CONCRETE SIDING OR TRIM
- SHEATHING: GYPSUM, OR AS NOTED
- WOOD FRAMING / BLOCKING: CONTINUOUS
- WOOD SHIM
- FINISHED WOOD SHOWN CUT AND ELEVATION
- ENGINEERED WOOD: GLUE LAMINATED
- WOOD FLOOR, WOOD SHINGLES, OR SIDING
- PARTICLEBOARD
- PLYWOOD
- EIFS
- SPRAYED FIREPROOFING SHOWN ON ROLLED SHAPE
- BATT INSULATION: THERMAL OR ACOUSTICAL, UNO
- RIGID INSULATION: THERMAL, ACOUSTICAL, OR SHAFTING
- GYPSUM WALL BOARD
- PLASTER ON METAL LATH

SYMBOLS LEGEND

- 01 / A101 — SIM — DETAIL CALLOUT: DETAIL NUMBER / SHEET NUMBER
- XX — DOOR ID NUMBER: REFER TO DOOR SCHEDULE SHEET
- CONTROL JOINT (ELEVATION VIEWS)
- Room Name / XXXXX — ROOM TAG: ROOM NAME / ROOM NUMBER
- SEALANT AND BACKER ROD (DETAIL VIEWS)
- 01 / A101 — EXTERIOR ELEVATION TAG: ELEVATION NUMBER / SHEET NUMBER
- 1 — KEYED NOTE / PLAN NOTE
- 11 / 1' - 0" — CEILING TAG: CEILING TYPE / CEILING HEIGHT
- 1 — DEMOLITION NOTE
- NEW CONSTRUCTION
- 01 / A101 — INTERIOR ELEVATION TAG: SHEET NUMBER / ELEVATION NUMBER
- GL-X — GLAZING TYPE
- EXISTING CONSTRUCTION
- DEMOLISHED CONSTRUCTION
- 01 / A101 — SIM — SECTION MARKER: SECTION NUMBER / SHEET NUMBER
- XXXXXX [000000] — KIT OF PARTS NOTE: SPEC SECTION REFERENCE / DESCRIPTION
- X — WINDOW TYPE
- 1 HR / W1A.5 — WALL TAG: ATTRIBUTE / WALL TYPE
- TXX — TOILET ACCESSORY
- EXX — EQUIPMENT/FURNITURE TAG
- COL — COLUMN GRID
- Room Name / XXXXX — FINISH TAG: Wall — WALL FINISH; Base — BASE FINISH; Floor — FLOOR FINISH

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Songer
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

STATE OF INDIANA — REGISTERED ARCHITECT — No. AR-19400008 — DANIEL JOSE DREW WHITE

PROJECT NUMBER:	2025013
DRAWN: JF	CHECKED: AT
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

GENERAL NOTES, SYMBOLS, LEGENDS AND EXTERIOR WALLS

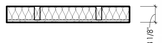
A-001

Autodesk Docs://2025013 - Nineveh Fire FD Station 101/2025013 - Nineveh Fire FD Station 101 - ARCH_v26.rvt
2/14/2026 3:19:56 PM

W4B

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

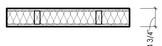
INTERIOR WALL: One layer 5/8" Type X gypsum board applied vertically to one side of 2x4" wood studs 16" o.c. Fill stud cavities with 3-1/2" fiberglass batt insulation.



W4D

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

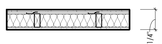
INTERIOR WALL: One layer 5/8" Type X gypsum board applied vertically to both sides of 2x4" wood studs 16" o.c. Fill stud cavities with 3-1/2" fiberglass batt insulation.



W4F

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

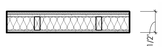
INTERIOR WALL: One layer 5/8" Type X gypsum board applied vertically to both sides of 2x4" wood studs 16" o.c. One side with 1/2" resilient channels. Fill stud cavities with 3-1/2" fiberglass batt insulation.



W4H

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

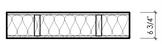
INTERIOR WALL: One layer 5/8" Type X gypsum board applied vertically to both sides of 2x4" wood studs 16" o.c. One side with 5/8" fire-rated plywood. Fill stud cavities with 3-1/2" fiberglass batt insulation.



W6D

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

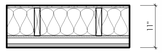
INTERIOR WALL: One layer 5/8" Type X gypsum board applied vertically to both sides of 2x6" wood studs 16" o.c. Fill stud cavities with 5-1/2" fiberglass batt insulation.



W8D

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

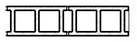
INTERIOR WALL: One layer 5/8" Type X gypsum board applied vertically to both sides of 2x8" wood studs 16" o.c. The apparatus bay side with 1-1/2" furring strips and metal panel siding. Fill stud cavities with 7" stone wool batt insulation.



M8A

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

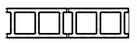
DESCRIPTION: 8" CMU in running bond pattern with horizontal joint reinforcement at 16" o.c. vertically. Refer to structural for vertical reinforcement.



M8B

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
1 HR	-	-	-	-

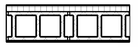
DESCRIPTION: 8" CMU in running bond pattern with horizontal joint reinforcement at 16" o.c. vertically. Refer to structural for vertical reinforcement.



M8C

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

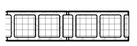
DESCRIPTION: 8" CMU in running bond pattern with horizontal joint reinforcement at 16" o.c. vertically. Refer to structural for vertical reinforcement. 2" (R-12) closed-cell spray foam insulation at the outside face.



M8D

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
-	-	-	-	-

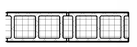
DESCRIPTION: 8" CMU in running bond pattern with horizontal joint reinforcement at 16" o.c. vertically. Refer to structural for vertical reinforcement. Fill cores with spray applied insulation.



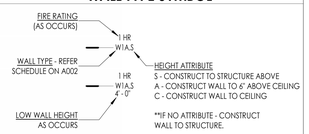
M8E

FIRE RATING	REF.	DESIGN No.	STC RATING	TEST No.
1 HR	-	-	-	-

DESCRIPTION: 8" CMU in running bond pattern with horizontal joint reinforcement at 16" o.c. vertically. Refer to structural for vertical reinforcement. Fill cores with spray applied insulation.



WALL TYPE SYMBOL



TYPICAL WALL NOTES

A. VERIFY ALL RATED WALLS WITH LIFE SAFETY COMPLIANCE PLAN.

B. ALL RATED WALL ASSEMBLY CONSTRUCTION SHALL BE SEALED WITH FIRE/SMOKE RATED SEALANT @ ALL JOINTS AND PENETRATIONS. PROVIDE SMOKE DAMPERS AT ALL DUCT PENETRATIONS THROUGH RATED WALLS.

C. ALL ACOUSTICAL WALL ASSEMBLY CONSTRUCTION SHALL BE SEALED WITH ACOUSTICAL SEALANT AT ALL JOINTS AND PENETRATIONS. REFER TO TYPICAL ACOUSTICAL DETAILS.

D. WATER RESISTANT GYPSUM WALLBOARD SHALL BE USED IN LIEU OF TYPE 'X' GYPSUM WALLBOARD IN ALL LOCATIONS WHERE CERAMIC AND PORCELAIN TILE FINISH IS USED; AS WELL AS ALL RESTROOMS, KITCHEN, MECHANICAL ROOMS, AND JANITOR CLOSETS.

E. GAGE OF ALL INTERIOR METAL STUD FRAMING TO BE DESIGNED FOR 5 PSF WIND LOADS, STUD HEIGHT AND ADDITIONAL LOADING SUCH AS MILLWORK OR SUSPENDED ITEMS WITH DEFLECTION LIMITED TO L/240.

F. ALL WALL FRAMING THAT EXTENDS ABOVE FINISH CEILING TO BE BRACED TO STRUCTURE ABOVE AT 4'-0" O.C. ALTERNATING DIRECTIONS AS LIMITING HEIGHTS REQUIRE.

G. ALL WALL FRAMING NOTED TO EXTEND TO CEILING OR 6" ABOVE CEILING TO BE BRACED TO STRUCTURE AT 4'-0" O.C. ALTERNATING DIRECTIONS.

H. REFER TO REFLECTED CEILING PLAN FOR CEILING MATERIALS AND HEIGHTS; REFER ROOM FINISH SCHEDULE FOR APPLIED FINISHES AND SPECIAL INSTRUCTION.

I. PROVIDE METAL TRIM OR ZIP-STRIPS AT THE EDGES OF ALL GYPSUM WALLBOARD WHERE IT ABUTS ANOTHER MATERIAL AND WHERE EDGES ARE EXPOSED TO VIEW.

J. DIVIDE ALL GYPSUM WALLBOARD AREAS WITH CONTROL JOINTS NOT EXCEEDING 30 FEET IN EITHER DIRECTION OR AS SHOWN OTHERWISE. PROVIDE RATED CONTROL JOINTS IN FIRE RATED PARTITIONS. COORDINATE LOCATION OF CONTROL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

K. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD IN ALL CORRIDORS, STAIRCASES AND OTHER SPACES AS NOTED ON PLANS.

L. PROVIDE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. AT MASONRY WALLS. PROVIDE VERTICAL REINFORCEMENT PER STRUCTURAL DRAWINGS AND SPECIFICATIONS.

INTERIOR WALL LIMITING HEIGHTS

FRAMING DEPTH	FRAMING GAUGE	STUD SPACING	ALLOWABLE DEFLECTION	FURRING 1 LAYER ONE SIDE*	PARTITION 1 LAYER EACH SIDE	PARTITION 2 LAYERS EACH SIDE
STANDARD SYSTEMS						
1 5/8"	25--(0.0179")	16"	L/240	8'-3"	9'-6"	10'-6"
		24"	L/240	7'-3"	8'-3"	8'-9"
2-1/2"	25--(0.0179")	16"	L/240	11'-0"	12'-6"	13'-6"
		24"	L/240	9'-9"	10'-9"	11'-3"
2-1/2"	22--(0.0270")	16"	L/240	12'-0"	13'-0"	14'-0"
		24"	L/240	10'-6"	11'-6"	12'-3"
2-1/2"	20--(0.0329")	16"	L/240	13'-0"	14'-0"	14'-9"
		24"	L/240	11'-6"	12'-3"	13'-0"
3-5/8"	25--(0.0179")	16"	L/240	14'-6"	16'-0"	16'-9"
		24"	L/240	12'-9"	13'-6"	13'-6"
3-5/8"	22--(0.0270")	16"	L/240	16'-0"	17'-3"	18'-0"
		24"	L/240	14'-0"	15'-0"	15'-9"
3-5/8"	20--(0.0329")	16"	L/240	17'-3"	18'-3"	19'-0"
		24"	L/240	15'-0"	16'-0"	16'-6"
6"	25--(0.0179")	16"	L/240	20'-0"	20'-0"	20'-0"
		24"	L/240	15'-0"	15'-0"	15'-0"
6"	22--(0.0270")	16"	L/240	25'-3"	26'-0"	23'-9"
		24"	L/240	22'-0"	22'-9"	20'-9"
6"	20--(0.0329")	16"	L/240	26'-6"	27'-6"	25'-6"
		24"	L/240	23'-3"	24'-0"	22'-3"

				2 HOUR RATED	1 HOUR RATED
SHAFTWALL SYSTEMS					
2-1/2" C-H STUDS	25--(0.0199")	24"	L/240	12'-1"	11'-8"
2-1/2" C-H STUDS	22--(0.0294")	24"	L/240	14'-11"	13'-7"
2-1/2" C-H STUDS	20--(0.0341")	24"	L/240	15'-3"	14'-0"
4" C-H STUDS	25--(0.0199")	24"	L/240	16'-11"	15'-10"
4" C-H STUDS	20--(0.0341")	24"	L/240	18'-2"	17'-6"
6" DBL E STUDS	25--(0.0199")	24"	L/240	26'-3"	25'-3"
6" DBL E STUDS	20--(0.0341")	24"	L/240	28'-0"	28'-0"

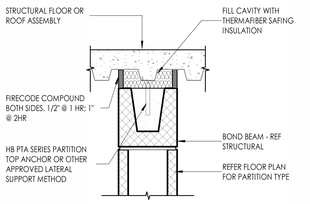
NOTE: * = AT FRAMING EXCEEDING 12'-0" HEIGHT, PROVIDE BRACING AT MID HEIGHT LOCATION, BUT NOT TO EXCEED 12'-0" MAX.

LINTEL SCHEDULE U.N.O.

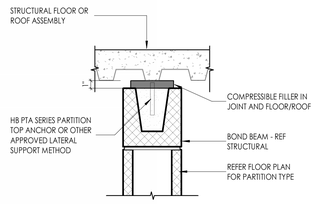
SPAN	LINTEL SIZE
</= 6'-0"	2-4"X16GA. METAL CEE STUDS
> 6'-0" - </= 8'-0"	2-6"X18GA. METAL CEE STUDS
> 8'-0" - </= 10'-0"	2-6"X16GA. METAL CEE STUDS

INTERIOR WALL TYPES LEGEND

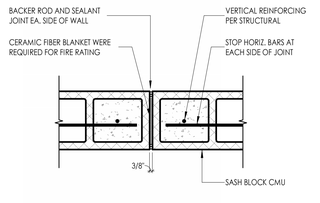
SCALE: 3/4" = 1'-0"



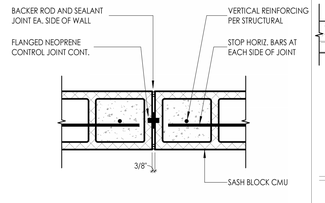
CMU PARTITION AT STRUCTURE FIRE-RATED



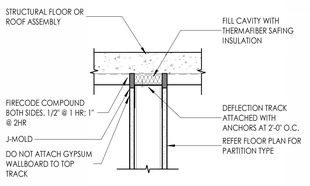
CMU PARTITION AT STRUCTURE



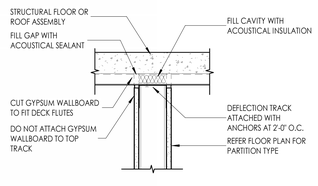
CMU CONTROL JOINT FIRE-RATED



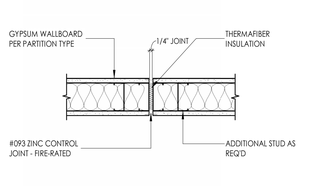
CMU CONTROL JOINT



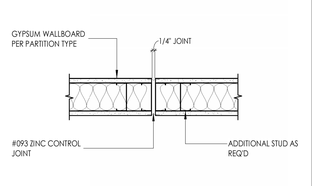
GYPSUM PARTITION AT STRUCTURE FIRE-RATED



GYPSUM PARTITION AT STRUCTURE



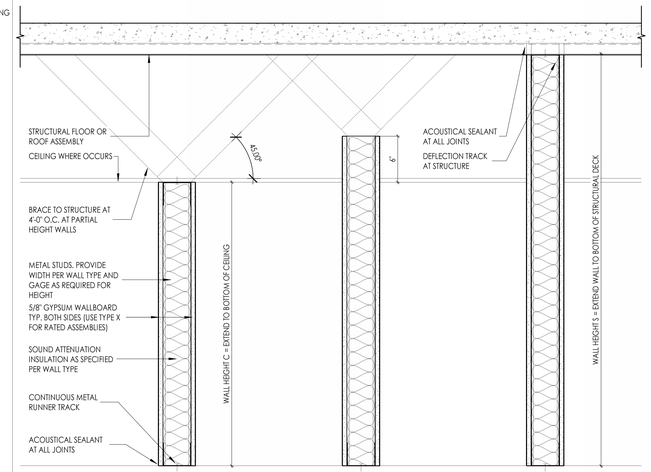
GYPSUM PARTITION CONTROL JOINT FIRE -RATED



GYPSUM PARTITION CONTROL JOINT

02 TYPICAL INTERIOR WALL DETAILS

SCALE: 1 1/2" = 1'-0"



TYPICAL WALL NOTES

01 TYPICAL INTERIOR WALL SECTION

SCALE: 1 1/2" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

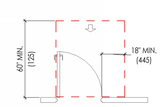
S NINEVEH ROAD
NINEVEH, IN 46164

INTERIOR WALL TYPES AND DETAILS

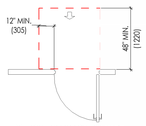
A-002

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_R25_CENTRAL.rvt
5/14/2026 5:19:08 PM

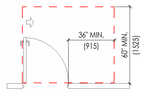
DOORS AND DOORWAYS



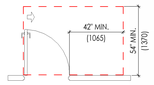
(A) FRONT APPROACH, PULL SIDE



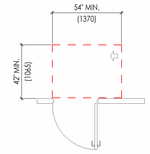
(B) FRONT APPROACH, PUSH SIDE



(C) HINGE APPROACH, PULL SIDE

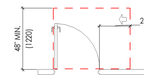


(D) HINGE APPROACH, PULL SIDE

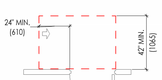


(E) HINGE APPROACH, PUSH SIDE

FIG. 404.2.4.1
MANEUVERING CLEARANCES AT SWINGING DOORS

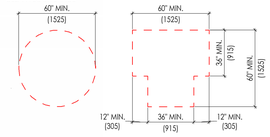


(F) LATCH APPROACH, PULL SIDE



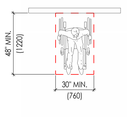
(G) LATCH APPROACH, PUSH SIDE

CLEAR FLOOR SPACE

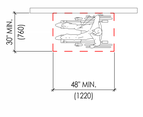


(A) CIRCULAR (B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

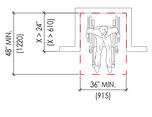


(A) FORWARD

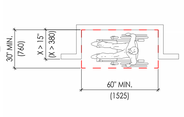


(B) PARALLEL

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE



(A) FORWARD APPROACH



(B) PARALLEL APPROACH

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

GENERAL SITE AND BUILDING ELEMENTS

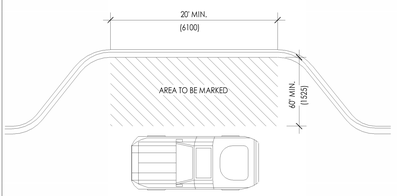


FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

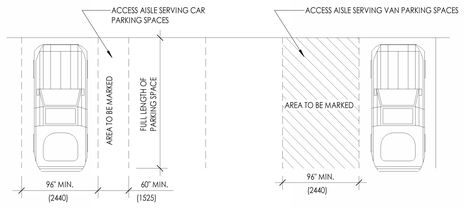
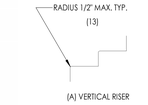
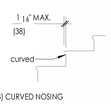


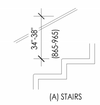
FIG. 502.2/502.3
VEHICLE PARKING SPACE/
PARKING SPACE ACCESS AISLE



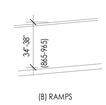
(A) VERTICAL RISER



(B) CURVED NOSING



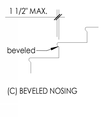
(A) STAIRS



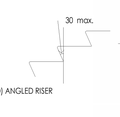
(B) RAMPS

FIG. 505.4
HANDRAIL HEIGHT

FIG. 505.5
HANDRAIL CLEARANCE



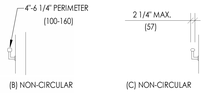
(C) BEVELED NOSING



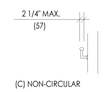
(D) ANGLED RISER

FIG. 504.5
STAIR NOSINGS

(A) CIRCULAR



(B) NON-CIRCULAR



(C) NON-CIRCULAR

FIG. 505.7
HANDRAIL CROSS SECTION

COMMUNICATION ELEMENTS AND FEATURES

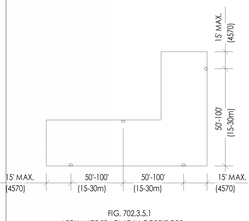
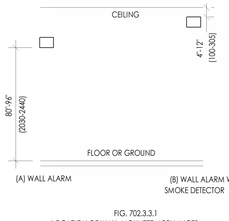


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS



(A) WALL ALARM (B) WALL ALARM WITH SMOKE DETECTOR

FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

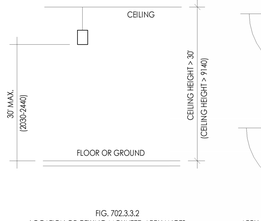
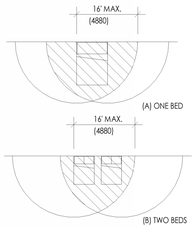


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES



(A) ONE BED

(B) TWO BEDS

FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

FIG. 703.2.4.4
CHARACTER HEIGHT

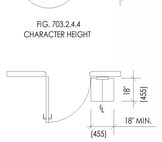
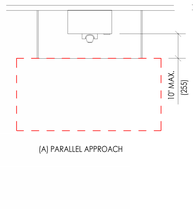
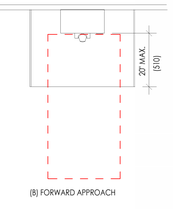


FIG. 703.2.8
MOUNTING LOCATION AT DOORS



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 704.2.1
CLEAR FLOOR OR GROUND
SPACE FOR TELEPHONES

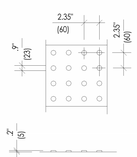
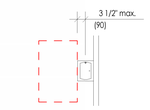
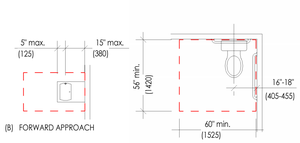


FIG. 705.3.1.1
TRUNCATED DOME SIZE

PLUMBING ELEMENTS AND FACILITIES



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 604.2/604.3.1
WATER CLOSET LOCATION/
SIZE CLEARANCE

FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

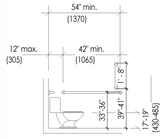


FIG. 604.4/604.5.1
HEIGHT OF WATER CLOSET/
SIDE WALL GRAB BAR FOR WATER CLOSET

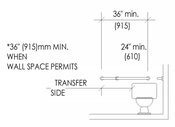


FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

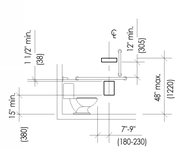


FIG. 604.7
DISPENSER LOCATION

(A) WALL-HUNG WATER CLOSET

(B) FLOOR-MOUNTED WATER CLOSET

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

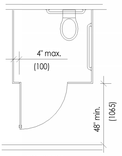


FIG. 604.8.3
TOILET COMPARTMENT DOORS

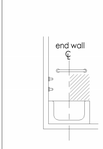


FIG. 607.5
LOCATION OF BATHTUB CONTROLS

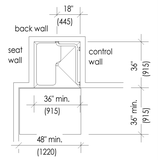


FIG. 608.2.1/608.3.1
TRANSFER-TYPE SHOWER COMPARTMENT WITH GRAB BARS

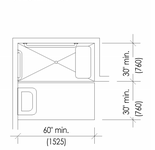


FIG. 608.2.2
STANDARD ROLL-IN-TYPE
SHOWER COMPARTMENT

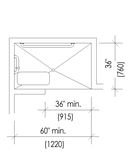


FIG. 608.2.2
STANDARD ROLL-IN-TYPE
SHOWER COMPARTMENT

FIG. 610.3.1
RECTANGULAR SHOWER
COMPARTMENT SEAT

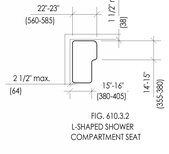


FIG. 610.3.2
L-SHOWER
COMPARTMENT SEAT

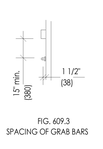
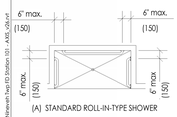
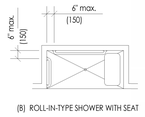


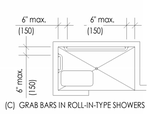
FIG. 609.3
SPACING OF GRAB BARS



(A) STANDARD ROLL-IN-TYPE SHOWER



(B) ROLL-IN-TYPE SHOWER WITH SEAT



(C) GRAB BARS IN ROLL-IN-TYPE SHOWERS

FIG. 608.3.2
GRAB BARS IN ROLL-IN-TYPE SHOWERS

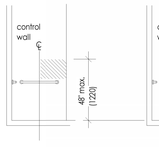
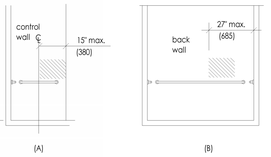
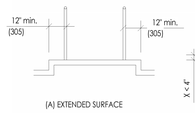


FIG. 608.5
CONTROLS IN TRANSFER-TYPE
SHOWERS



(A) (B)

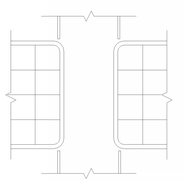
FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT



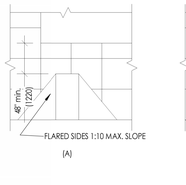
(A) EXTENDED SURFACE (B) CURB OR BARRIER

FIG. 405.9
RAMP EDGE PROTECTION

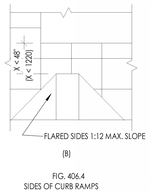
FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS



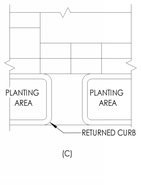
(A) CUT THROUGH AT ISLAND



(A)

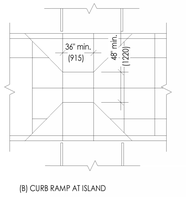


(B)



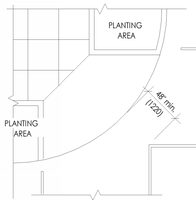
(C)

FIG. 406.4
SIDES OF CURB RAMPS



(B) CURB RAMP AT ISLAND

FIG. 406.12
ISLANDS



(A)

(B)

FIG. 406.11
DIAGONAL CURB RAMPS

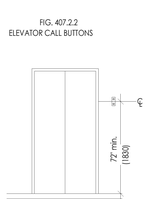


FIG. 407.2.2
ELEVATOR CALL BUTTONS

FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

ACCESSIBLE ROUTES

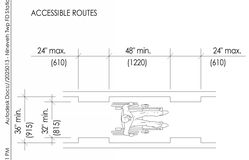


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

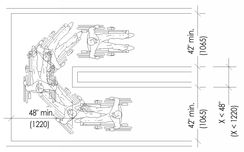
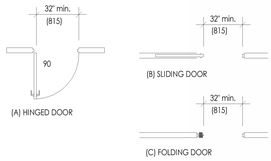
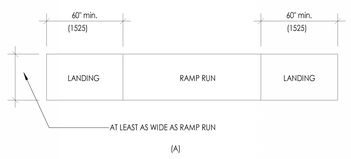


FIG. 403.5.1
CLEAR WIDTH AT TURN

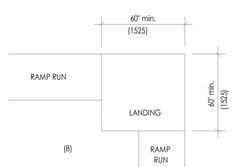


(A) HINGED DOOR (B) SLIDING DOOR (C) FOLDING DOOR

FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS



(A)



(B)

FIG. 405.7
RAMP LANDINGS

PROTRUDING OBJECTS

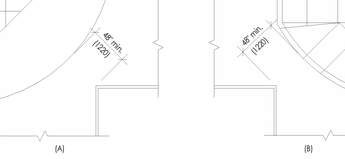


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

REACH RANGES

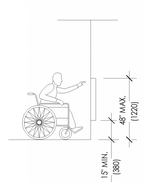


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

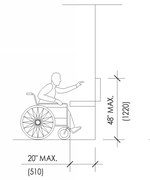


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

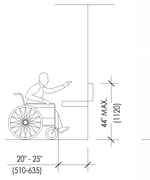
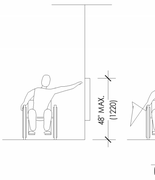


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH



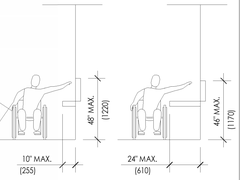


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

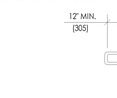


FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

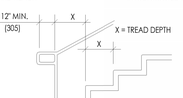


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

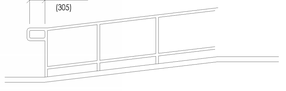


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

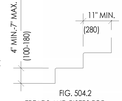


FIG. 504.2
TREADS AND RISERS FOR
ACCESSIBLE STAIRWAYS

BUILDING BLOCKS

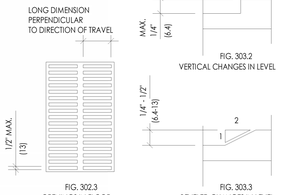


FIG. 303.2
VERTICAL CHANGES IN LEVEL

FIG. 302.3
OPENINGS IN FLOOR
OR GROUND SURFACES

FIG. 303.3
BEVELED CHANGES IN LEVEL

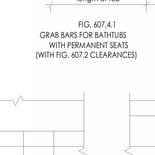


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

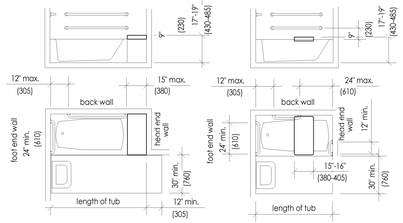


FIG. 607.4.1
GRAB BARS FOR BATHTUBS
WITH PERMANENT SEATS
(WITH FIG. 607.2 CLEARANCES)

FIG. 607.4.2
GRAB BARS FOR BATHTUBS
WITHOUT PERMANENT SEATS
(WITH FIG. 607.2 CLEARANCES)

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

DANIELLE DREW WHITE
REGISTERED
No. AR-19400081
STATE OF
INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

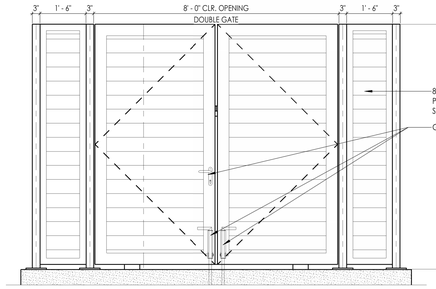
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

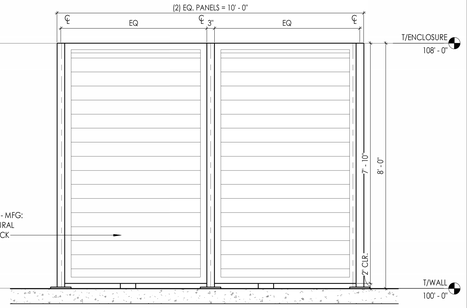
ADA DETAILS

A-003

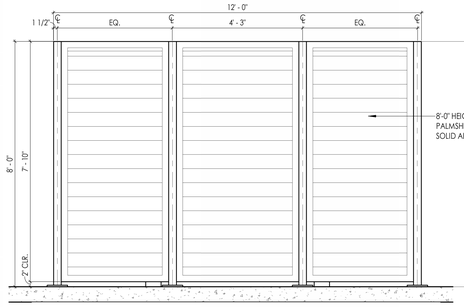
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_25.rvt



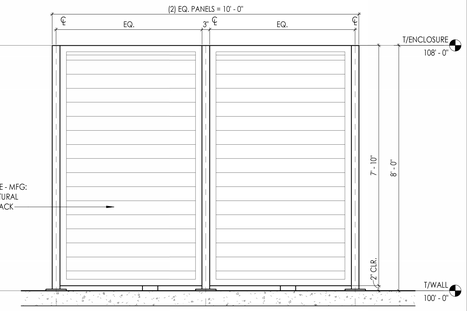
09 SOUTH ELEVATION - TRASH ENCLOSURE
SCALE: 1/2" = 1'-0"



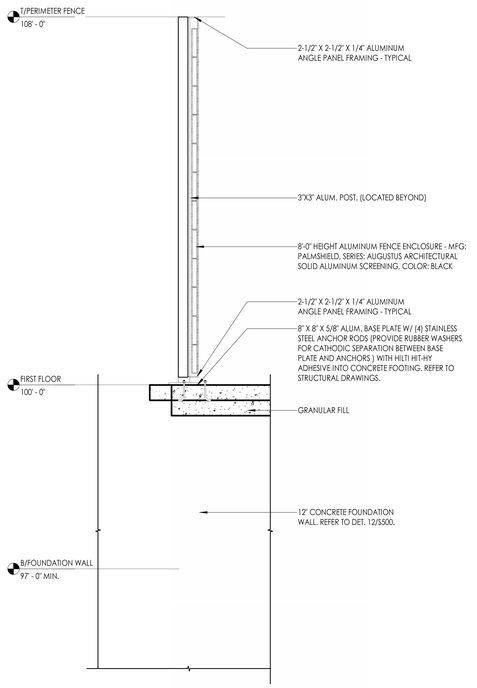
08 EAST ELEVATION - TRASH ENCLOSURE
SCALE: 1/2" = 1'-0"



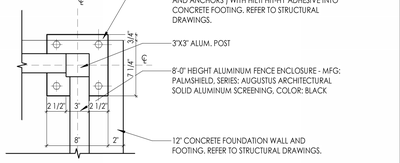
07 NORTH ELEVATION - TRASH ENCLOSURE
SCALE: 1/2" = 1'-0"



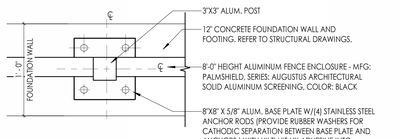
06 WEST ELEVATION - TRASH ENCLOSURE
SCALE: 1/2" = 1'-0"



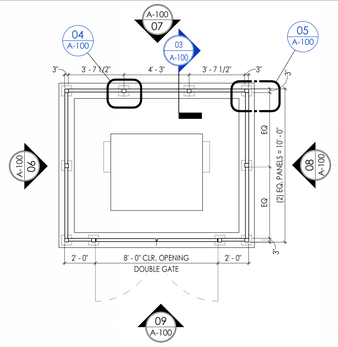
03 WALL SECTION - DUMPSTER ENCLOSURE
SCALE: 3/4" = 1'-0"



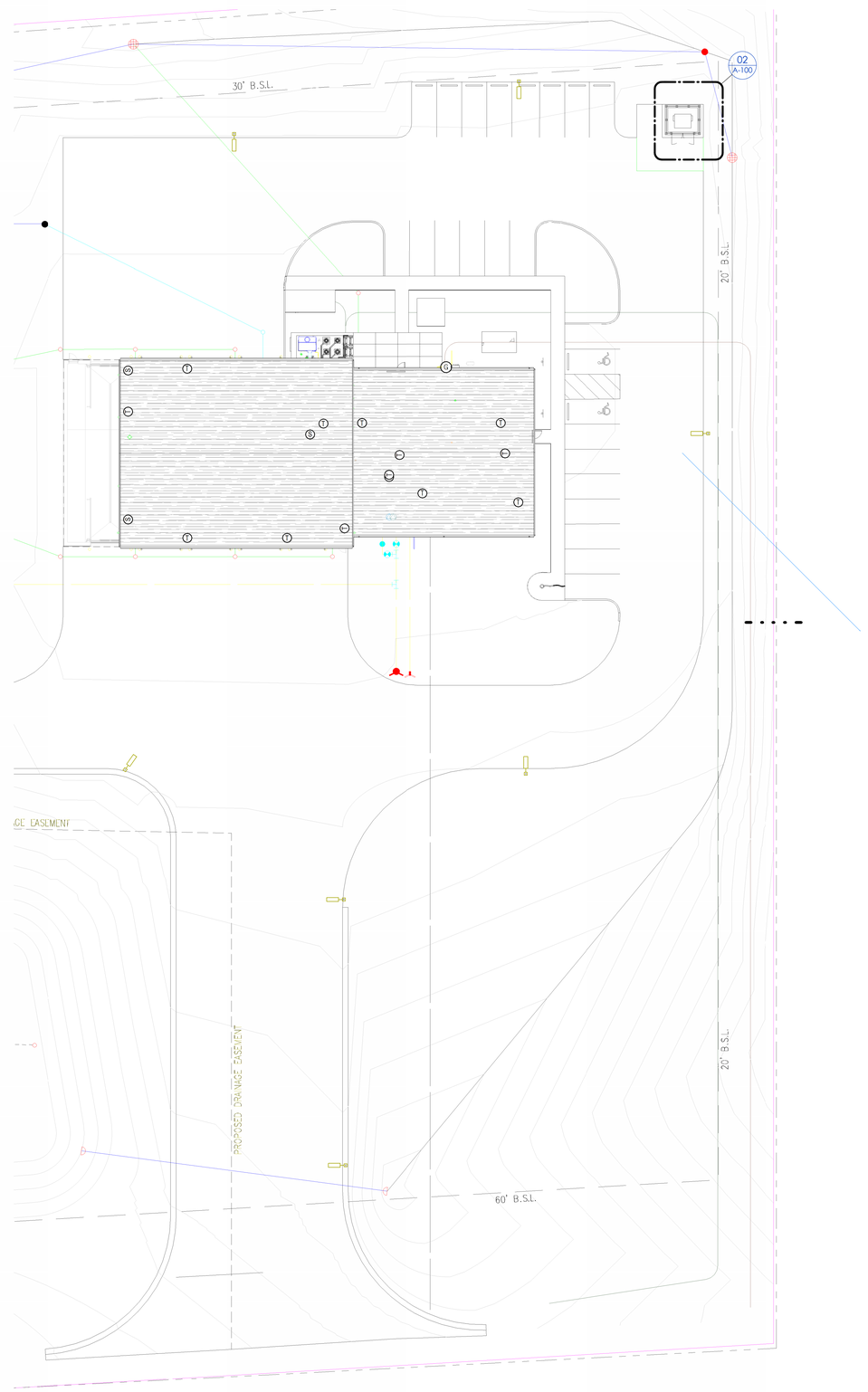
05 ENCLOSURE CORNER DETAIL - TYP
SCALE: 1 1/2" = 1'-0"



04 ENCLOSURE POST DETAIL - TYP
SCALE: 1 1/2" = 1'-0"



02 DUMPSTER ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



01 ARCHITECTURAL SITE PLAN
SCALE: 1" = 20'-0"

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQCH
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

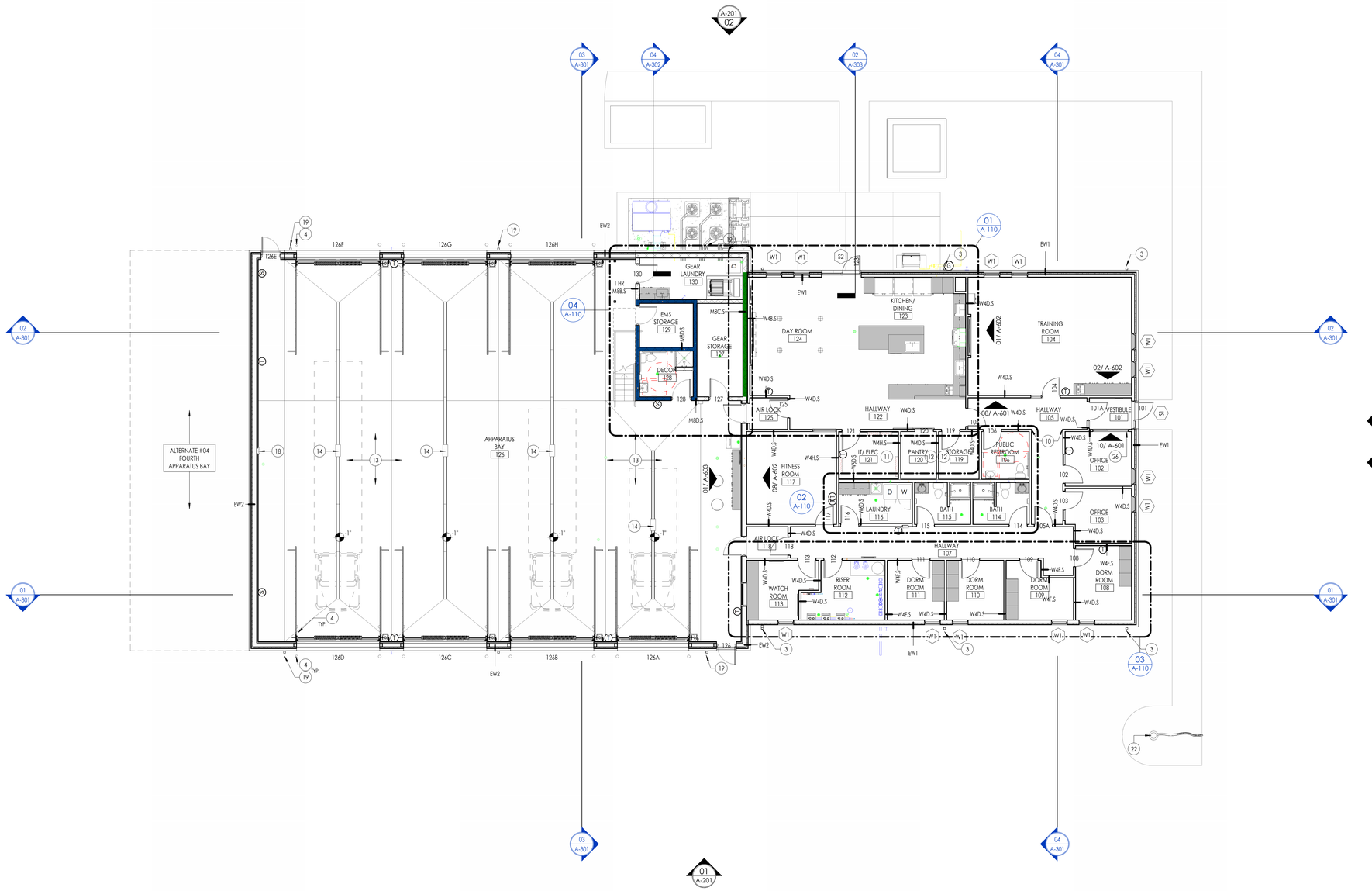
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ARCHITECTURAL SITE PLAN

A-100

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARCH_r24.rvt
5/14/2026 5:19:19 PM



01 FIRST FLOOR CONSTRUCTION PLAN

SCALE: 1/8" = 1'-0"

GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

B. PROVIDE BULLNOSE CMU AT ALL EXPOSED CMU CORNERS.

C. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT THE APPARATUS BAY AND ALL ROOMS DIRECTLY OFF OF IT.

D. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN THE KITCHEN/ DINING ROOM AND AT ALL WALLS AND CEILINGS IN ALL BATHROOMS AND JANITOR CLOSETS.

E. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES. REFER TO FINISH PLANS, SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.

F. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD AT ALL CORRIDORS AND THE FITNESS ROOM.

G. PLAN KEYNOTES APPLY TO SHEETS A-101, A-102, A-110, AND A-120.

H. REFER TO THE BUILDING ELEVATIONS FOR EXTERIOR MASONRY CONTROL JOINTS.

I. AT ALL CONSTRUCTED PARTITIONS THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FIRE-RESISTIVE INTEGRITY.

J. ALL PIPE AND CONDUIT PENETRATIONS THROUGH 2 HOUR RATED OR MORE PARTITIONS, FLOORS, ROOFS, ETC., SHALL BE SEALED WITH A RESPECTIVELY RATED FIRE BARRIER PENETRATION SEALING SYSTEM BY 3M OR U.L. APPROVED EQUAL

K. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR TYPICAL U.L. LISTED PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.

L. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.

GRAY INFILL INDICATES MILLWORK. REFER TO INTERIOR ELEVATIONS (A-600 SERIES) AND FINISH PLANS (A-700 SERIES) FOR MORE INFORMATION.

PLAN KEYNOTES

1 STAINLESS STEEL MOP SINK WITH 36" H STAINLESS STEEL WALL GUARDS, MOP HOOKS AND BRACKETS. REFER TO PLUMBING DRAWINGS.
2 NOT USED.
3 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00.
4 CONCRETE FILLED STEEL PIPE BOLLARD WITH YELLOW PLASTIC COVER. REFER TO DETAIL 02/A-101. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS AND COORDINATE WITH STRUCTURAL FOOTINGS.
6 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTER IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
7 WOODEN STAIR SYSTEM WITH WOODEN STRINGERS AND TREADS. REFER TO DETAILS AND SPECIFICATIONS.
8 WOODEN GUARDRAIL WITH 1-1/2" DIA. POSTS, MAIN TUBES AND HANDRAIL. ROUND PICKETS AT 4" O.C. MAX., PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
9 CLASS K FIRE EXTINGUISHER.
10 CORNER GUARDS ARE INSTALLED ON OUTSIDE DRYWALL CORNERS IN CORRIDORS AND COMMON AREAS (INDICATED BY HEAVY LINE). REFER TO A-800 SERIES.
11 PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS FROM 8" TO CEILING OVER A LAYER OF GYPSUM BOARD.
12 PROVIDE FRP PANELS ON ALL WALLS FROM THE FLOOR TO THE CEILING.
13 PROVIDE JOINT SEALANT AT ALL SAW CUTS IN THE SLAB
14 TRENCH DRAIN. REFER TO AND COORDINATE DIMENSIONS WITH THE PLUMBING DRAWINGS.
15 FILL ALL SHADED CMU BLOCKS WITH INSULATION FOR THE CONDITIONED ROOM (WALL TYPE M8D).
16 SEAL ALL PENETRATION THROUGH WALLS IN THIS ROOM. SEAL WALL AT CEILING AND BASE.
17 CONCRETE PAD WITH TRENCH DRAIN FOR GEAR EXTRACTOR. REFER TO STRUCTURAL AND PLUMBING DRAWINGS.
18 SURFACE-MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTERED IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 GAS GRILL. PROVIDE NATURAL GAS CONNECTION. REFER TO PLUMBING DRAWINGS.
21 1 1/2" DIA. WALL MOUNTED WOOD HANDRAIL. PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
22 FLAGPOLE. COORDINATE LOCATION WITH CIVIL AND LANDSCAPE DRAWINGS.
23 CANE DETECTION RAIL.
24 FLOOR BOWES TO BE COORDINATED WITH ELECTRICAL DRAWINGS, TYP.
25 ENSURE THAT GAS METER AND DOWNSPOUT DO NOT OVERLAP.
26 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-491-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANIEL RIDGE DREW WHITE
REGISTERED
No AR-11940008
STATE OF INDIANA
ARCHITECT

PROJECT NUMBER:	2025013
DRAWN: AUTHOR	CHECKED: CHECKER
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

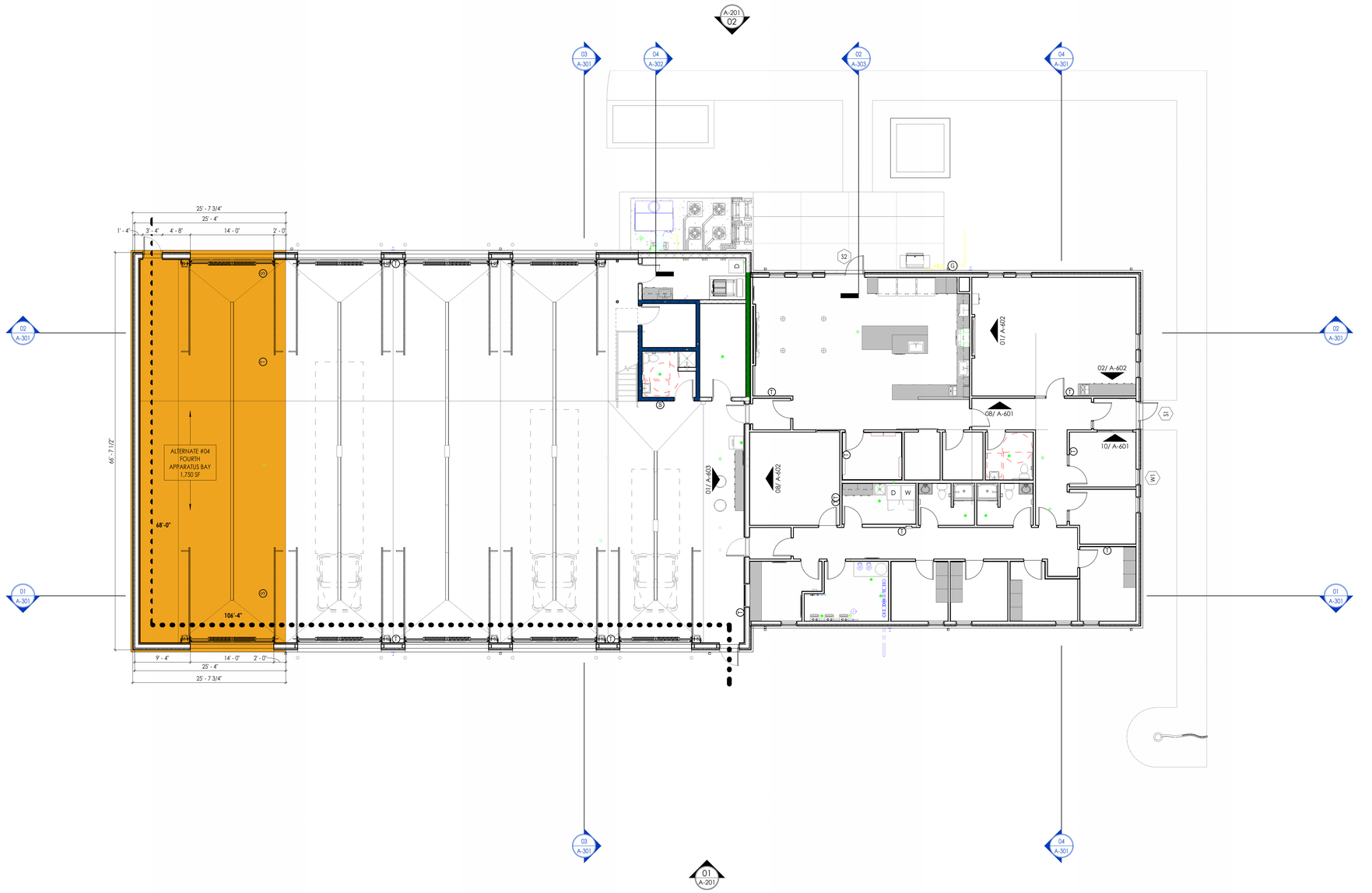
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR CONSTRUCTION PLAN

A-101

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_A25_r26.rvt
5/14/2026 5:19:24 PM



GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

B. PROVIDE BULLNOSE CMU AT ALL EXPOSED CMU CORNERS.

C. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT THE APPARATUS BAY AND ALL ROOMS DIRECTLY OFF OF IT.

D. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN THE KITCHEN/ DINING ROOM AND AT ALL WALLS AND CEILINGS IN ALL BATHROOMS AND JANITOR CLOSETS.

E. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES. REFER TO FINISH PLANS, SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.

F. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD AT ALL CORRIDORS AND THE FITNESS ROOM.

G. PLAN KEYNOTES APPLY TO SHEETS A-101, A-102, A-110, AND A-120.

H. REFER TO THE BUILDING ELEVATIONS FOR EXTERIOR MASONRY CONTROL JOINTS.

I. AT ALL CONSTRUCTED PARTITIONS THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FIRE-RESISTIVE INTEGRITY.

J. ALL PIPE AND CONDUIT PENETRATIONS THROUGH 2 HOUR RATED OR MORE PARTITIONS, FLOORS, ROOFS, ETC., SHALL BE SEALED WITH A RESPECTIVELY RATED FIRE BARRIER PENETRATION SEALING SYSTEM BY 3M OR U.L. APPROVED EQUAL

K. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR TYPICAL U.L. LISTED PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.

L. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.

GRAY INFILL INDICATES MILLWORK. REFER TO INTERIOR ELEVATIONS (A-600 SERIES) AND FINISH PLANS (A-700 SERIES) FOR MORE INFORMATION.

PLAN KEYNOTES

1 STAINLESS STEEL MOP SINK WITH 36" H STAINLESS STEEL WALL GUARDS, MOP HOOKS AND BRACKETS. REFER TO PLUMBING DRAWINGS.
2 NOT USED.
3 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00.
4 CONCRETE FILLED STEEL PIPE BOLLARD WITH YELLOW PLASTIC COVER. REFER TO DETAIL 02/A-101. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS AND COORDINATE WITH STRUCTURAL FOOTINGS.
6 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTER IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
7 WOODEN STAIR SYSTEM WITH WOODEN STRINGERS AND TREADS. REFER TO DETAILS AND SPECIFICATIONS.
8 WOODEN GUARDRAIL WITH 1-1/2" DIA. POSTS, MAIN TUBES AND HANDRAIL. ROUND PICKETS AT 4" O.C. MAX., PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
9 CLASS K FIRE EXTINGUISHER.
10 CORNER GUARDS ARE INSTALLED ON OUTSIDE DRYWALL CORNERS IN CORRIDORS AND COMMON AREAS (INDICATED BY HEAVY LINE). REFER TO A-800 SERIES.
11 PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS FROM 8" TO CEILING OVER A LAYER OF GYPSUM BOARD.
12 PROVIDE FRP PANELS ON ALL WALLS FROM THE FLOOR TO THE CEILING.
13 PROVIDE JOINT SEALANT AT ALL SAW CUTS IN THE SLAB
14 TRENCH DRAIN. REFER TO AND COORDINATE DIMENSIONS WITH THE PLUMBING DRAWINGS.
15 FILL ALL SHADED CMU BLOCKS WITH INSULATION FOR THE CONDITIONED ROOM (WALL TYPE M8D).
16 SEAL ALL PENETRATION THROUGH WALLS IN THIS ROOM. SEAL WALL AT CEILING AND BASE.
17 CONCRETE PAD WITH TRENCH DRAIN FOR GEAR EXTRACTOR. REFER TO STRUCTURAL AND PLUMBING DRAWINGS.
18 SURFACE-MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTERED IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 GAS GRILL. PROVIDE NATURAL GAS CONNECTION. REFER TO PLUMBING DRAWINGS.
21 1 1/2" DIA. WALL MOUNTED WOOD HANDRAIL. PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
22 FLAGPOLE. COORDINATE LOCATION WITH CIVIL AND LANDSCAPE DRAWINGS.
23 CANE DETECTION RAIL.
24 FLOOR BOXES TO BE COORDINATED WITH ELECTRICAL DRAWINGS, TYP.
25 ENSURE THAT GAS METER AND DOWNSPOUT DO NOT OVERLAP.
26 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

01 FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-491-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANDRIDGE, DREW, WHITE — REGISTERED — NO AR-19400068 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

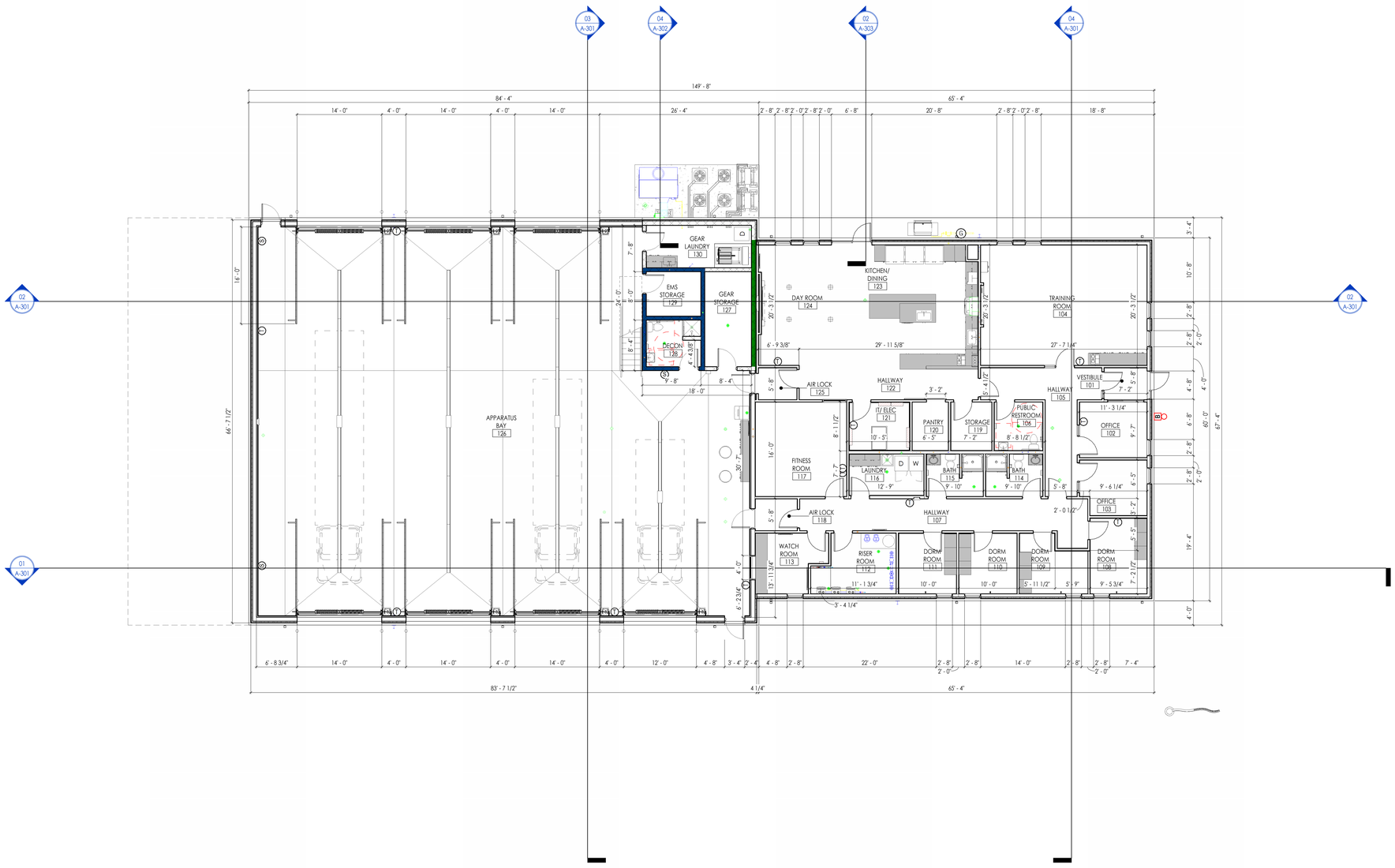
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR CONSTRUCTION PLAN - ALTERNATE #04

A-101A

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_ARCH_r26.rvt
3/14/2026 5:19:50 PM



01 FIRST FLOOR DIMENSION PLAN

SCALE: 1/8" = 1'-0"

GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

B. PROVIDE BULLNOSE CMU AT ALL EXPOSED CMU CORNERS.

C. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT THE APPARATUS BAY AND ALL ROOMS DIRECTLY OFF OF IT.

D. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN THE KITCHEN/ DINING ROOM AND AT ALL WALLS AND CEILINGS IN ALL BATHROOMS AND JANITOR CLOSETS.

E. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES. REFER TO FINISH PLANS, SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.

F. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD AT ALL CORRIDORS AND THE FITNESS ROOM.

G. PLAN KEYNOTES APPLY TO SHEETS A-101, A-102, A-110, AND A-120.

H. REFER TO THE BUILDING ELEVATIONS FOR EXTERIOR MASONRY CONTROL JOINTS.

I. AT ALL CONSTRUCTED PARTITIONS THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FIRE-RESISTIVE INTEGRITY.

J. ALL PIPE AND CONDUIT PENETRATIONS THROUGH 2 HOUR RATED OR MORE PARTITIONS, FLOORS, ROOFS, ETC., SHALL BE SEALED WITH A RESPECTIVELY RATED FIRE BARRIER PENETRATION SEALING SYSTEM BY 3M OR U.L. APPROVED EQUAL

K. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR TYPICAL U.L. LISTED PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.

L. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.

GRAY INFILL INDICATES MILLWORK. REFER TO INTERIOR ELEVATIONS (A-600 SERIES) AND FINISH PLANS (A-700 SERIES) FOR MORE INFORMATION.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

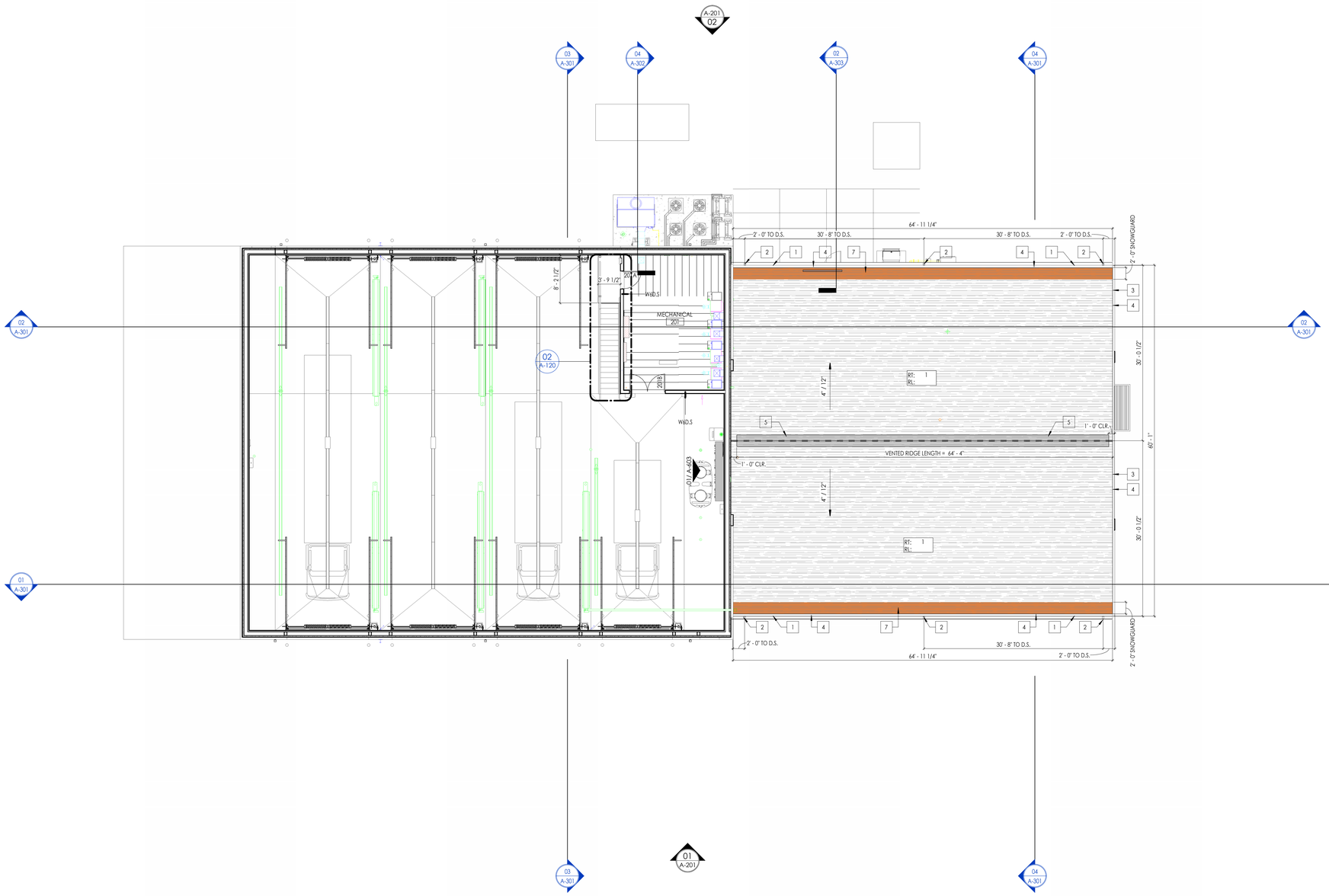
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR DIMENSION PLAN

A-101D

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARS_r26.rvt
5/14/2026 5:39:34 PM



01 MEZZANINE FLOOR PLAN AND LOW ROOF CONSTRUCTION PLAN

SCALE: 1/8" = 1'-0"

GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

B. PROVIDE BULLNOSE CMU AT ALL EXPOSED CMU CORNERS.

C. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT THE APPARATUS BAY AND ALL ROOMS DIRECTLY OFF OF IT.

D. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN THE KITCHEN/ DINING ROOM AND AT ALL WALLS AND CEILINGS IN ALL BATHROOMS AND JANITOR CLOSETS.

E. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES. REFER TO FINISH PLANS, SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.

F. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD AT ALL CORRIDORS AND THE FITNESS ROOM.

G. PLAN KEYNOTES APPLY TO SHEETS A-101, A-102, A-110, AND A-120.

H. REFER TO THE BUILDING ELEVATIONS FOR EXTERIOR MASONRY CONTROL JOINTS.

I. AT ALL CONSTRUCTED PARTITIONS THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FIRE-RESISTIVE INTEGRITY.

J. ALL PIPE AND CONDUIT PENETRATIONS THROUGH 2 HOUR RATED OR MORE PARTITIONS, FLOORS, ROOFS, ETC., SHALL BE SEALED WITH A RESPECTIVELY RATED FIRE BARRIER PENETRATION SEALING SYSTEM BY 3M OR U.L. APPROVED EQUAL

K. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR TYPICAL U.L. LISTED PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.

L. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.

GRAY INFILL INDICATES MILLWORK. REFER TO INTERIOR ELEVATIONS (A-600 SERIES) AND FINISH PLANS (A-700 SERIES) FOR MORE INFORMATION.

PLAN KEYNOTES

1 STAINLESS STEEL MOP SINK WITH 36" H STAINLESS STEEL WALL GUARDS, MOP HOOKS AND BRACKETS. REFER TO PLUMBING DRAWINGS.
2 NOT USED.
3 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00.
4 CONCRETE FILLED STEEL PIPE BOLLARD WITH YELLOW PLASTIC COVER. REFER TO DETAIL 02/A-101. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS AND COORDINATE WITH STRUCTURAL FOOTINGS.
6 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTER IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
7 WOODEN STAIR SYSTEM WITH WOODEN STRINGERS AND TREADS. REFER TO DETAILS AND SPECIFICATIONS.
8 WOODEN GUARDRAIL WITH 1-1/2" DIA. POSTS, MAIN TUBES AND HANDRAIL. ROUND PICKETS AT 4" O.C. MAX., PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
9 CLASS K FIRE EXTINGUISHER.
10 CORNER GUARDS ARE INSTALLED ON OUTSIDE DRYWALL CORNERS IN CORRIDORS AND COMMON AREAS (INDICATED BY HEAVY LINE). REFER TO A-800 SERIES.
11 PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS FROM 8" TO CEILING OVER A LAYER OF GYPSUM BOARD.
12 PROVIDE FRP PANELS ON ALL WALLS FROM THE FLOOR TO THE CEILING.
13 PROVIDE JOINT SEALANT AT ALL SAW CUTS IN THE SLAB
14 TRENCH DRAIN. REFER TO AND COORDINATE DIMENSIONS WITH THE PLUMBING DRAWINGS.
15 FILL ALL SHADED CMU BLOCKS WITH INSULATION FOR THE CONDITIONED ROOM (WALL TYPE M8D).
16 SEAL ALL PENETRATION THROUGH WALLS IN THIS ROOM. SEAL WALL AT CEILING AND BASE.
17 CONCRETE PAD WITH TRENCH DRAIN FOR GEAR EXTRACTOR. REFER TO STRUCTURAL AND PLUMBING DRAWINGS.
18 SURFACE-MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTERED IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 GAS GRILL. PROVIDE NATURAL GAS CONNECTION. REFER TO PLUMBING DRAWINGS.
21 1 1/2" DIA. WALL MOUNTED WOOD HANDRAIL. PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
22 FLAGPOLE. COORDINATE LOCATION WITH CIVIL AND LANDSCAPE DRAWINGS.
23 CANE DETECTION RAIL.
24 FLOOR BOXES TO BE COORDINATED WITH ELECTRICAL DRAWINGS, TYP.
25 ENSURE THAT GAS METER AND DOWNSPOUT DO NOT OVERLAP.
26 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

GENERAL ROOF NOTES

A. PROVIDE MANUFACTURERS STANDARD DETAILS WHERE MECHANICAL EQUIPMENT OCCURS, COORDINATE WITH ARCHITECTURE AND MEP.

B. PROVIDE MANUFACTURERS STANDARD DETAILS AT ROOF BASE FLASHING, RIDGES, TAPERED INSULATION CRICKETS, ROOF EDGES, ETC.

C. NOT ALL MEP EQUIPMENT AND PENETRATIONS ARE SHOWN. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF PENETRATION REQUIREMENTS.

D. COORDINATE ALL ROOFTOP OPENINGS WITH STRUCTURAL AND MECHANICAL DRAWINGS.

ROOF TYPES LEGEND

RT: X — ROOF TYPE
RL: XX — APPROXIMATE ROOF HEIGHT

RT1:

ASPHALT SHINGLES ROOFING SYSTEM OVER SELF-ADHERING, HIGH TEMPERATURE UNDERLAYMENT OVER 5/8" EXTERIOR PLYWOOD ROOF SHEATHING OVER WOOD TRUSSES @ 24" O.C. SPACING, R-38 MIN. MINERAL WOOL BATT INSULATION WITHIN THE ATTIC SPACE.

RT1 ALTERNATE #05:

STANDING SEAM METAL ROOFING SYSTEM OVER SELF-ADHERING, HIGH TEMPERATURE UNDERLAYMENT OVER 5/8" EXTERIOR PLYWOOD ROOF SHEATHING OVER WOOD TRUSSES @ 24" O.C. SPACING, R-38 MIN. MINERAL WOOL BATT INSULATION WITHIN THE ATTIC SPACE.

STANDING SEAM ROOF PANELS - BASIS OF DESIGN:
- MFR: PAC-CLAD
- MODEL: SNAP-CLAD
- SIZE: 12" WIDTH, 1-3/4" PROFILE, 22-GAUGE, PENCIL RIB PANEL
- FINISH: ONYX

ROOF PLAN KEYNOTES

1 6"X6" PREFINISHED ALUMINUM GUTTER. PROVIDE BOX GUTTER W/FLANGE AND RETAINER CLIP - TYPICAL AT ALL GUTTER LOCATIONS.
2 4"X4" PREFINISHED ALUMINUM DOWNSPOUT. COORDINATE INLET LOCATIONS WITH CIVIL DRAWINGS
3 METAL DRIP EDGE ALONG GABLE END. PROVIDE CONTINUOUS CLEAT AND OVERLAP WITH ASPHALT SHINGLE.
4 PREFINISHED METAL VENTED FASCIA. MFG: METAL ERA. MODEL: HI-PERF. 3" WIDTH X 8" HEIGHT. COVER: .063 ALUMINUM IN ONYX MATTE BLACK FINISH, 24 GAUGE PERFORATED CLOSURE: DARK BRONZE FINISH.
5 MFG: METAL ERA. MODEL: HIGH-PERF RIDGE VENT. COVER: .063 ALUMINUM, PROVIDE MATCHING END CAPS. FINISH: ONYX MATTE BLACK. 36 SQUARE INCHES OF NET FREE AREA PER LINEAR FOOT. 3" RIDGE OPENING IN ROOF SHEATHING FOR FREE NET AREA OF EXHAUST VENTILATION.
7 SNOWGUARD FOR METAL PANEL ROOFS. COLOR TO MATCH METAL ROOF PANELS. LOCATE AT BOTTOM OF ALL SLOPED ROOF LOCATIONS - SHOWN HATCHED ORANGE.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-451-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANIEL EDGE DREW WHITE — REGISTERED — No. AR-19400091 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

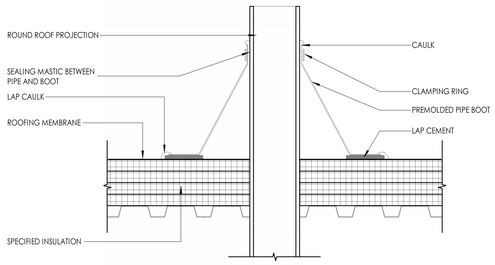
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

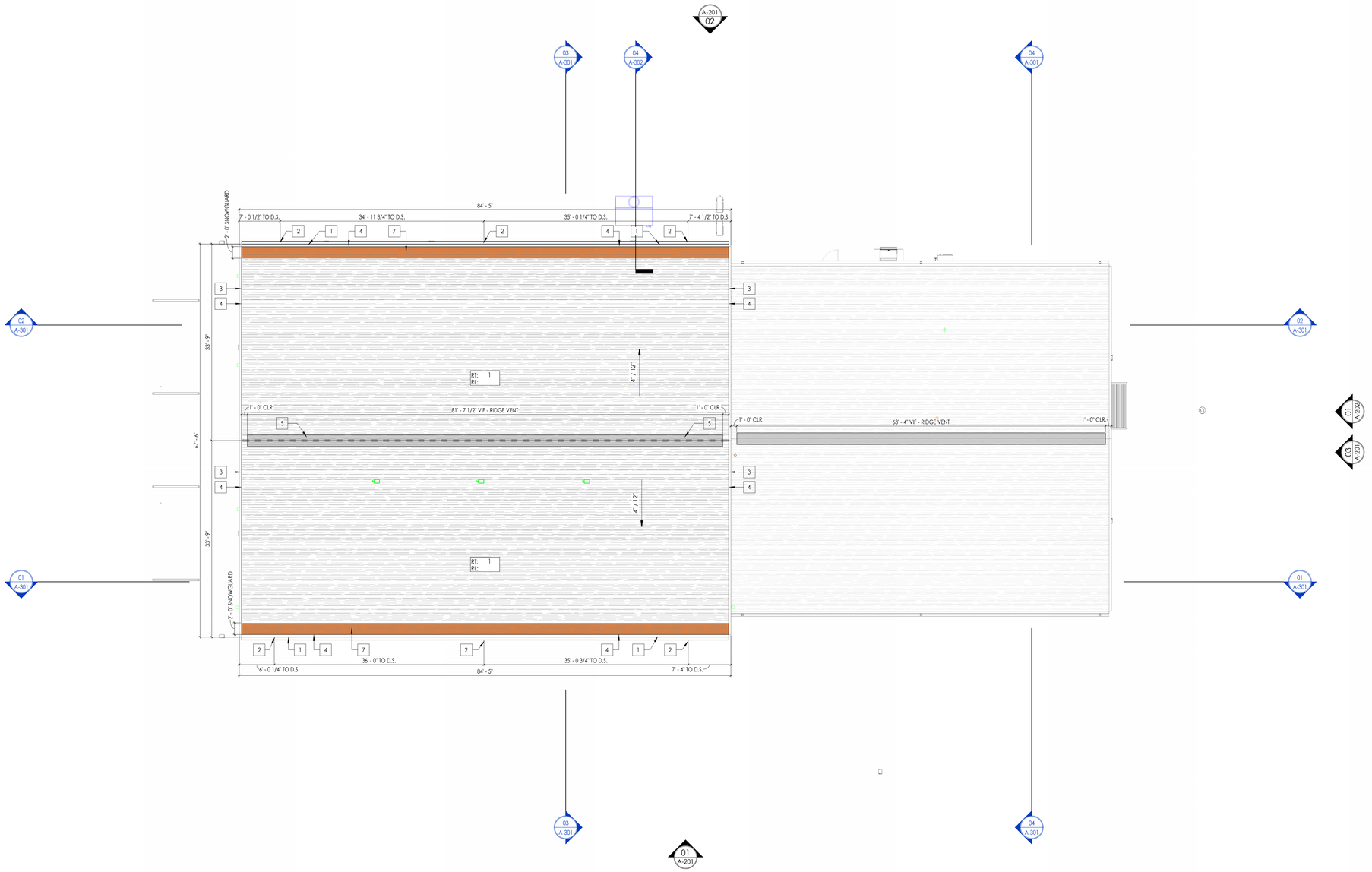
MEZZANINE CONSTRUCTION PLAN

A-102

5/14/2026 5:19:40 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARS_v26.rvt



02 ROOF PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



01 APPARATUS BAY ROOF CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES

A. PROVIDE MANUFACTURERS STANDARD DETAILS WHERE MECHANICAL EQUIPMENT OCCURS. COORDINATE WITH ARCHITECTURE AND MEP.

B. PROVIDE MANUFACTURERS STANDARD DETAILS AT ROOF BASE FLASHING, RIDGES, TAPERED INSULATION CRICKETS, ROOF EDGES, ETC.

C. NOT ALL MEP EQUIPMENT AND PENETRATIONS ARE SHOWN. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF PENETRATION REQUIREMENTS.

D. COORDINATE ALL ROOFTOP OPENINGS WITH STRUCTURAL AND MECHANICAL DRAWINGS.

ROOF TYPES LEGEND

RT: X — ROOF TYPE
RL: XX — APPROXIMATE ROOF HEIGHT

RT1:

ASPHALT SHINGLES ROOFING SYSTEM OVER SELF-ADHERING, HIGH TEMPERATURE UNDERLAYMENT OVER 5/8" EXTERIOR PLYWOOD ROOF SHEATHING OVER WOOD TRUSSES @ 24" O.C. SPACING. R-38 MIN. MINERAL WOOL BATT INSULATION WITHIN THE ATTIC SPACE.

RTI ALTERNATE #05:

STANDING SEAM METAL ROOFING SYSTEM OVER SELF-ADHERING, HIGH TEMPERATURE UNDERLAYMENT OVER 5/8" EXTERIOR PLYWOOD ROOF SHEATHING OVER WOOD TRUSSES @ 24" O.C. SPACING. R-38 MIN. MINERAL WOOL BATT INSULATION WITHIN THE ATTIC SPACE.

STANDING SEAM ROOF PANELS - BASIS OF DESIGN:
- MFR: PAC-CLAD
- MODEL: SNAP-CLAD
- SIZE: 12" WIDTH, 1-3/4" PROFILE, 22-GAUGE, PENCIL RIB PANEL
- FINISH: ONYX

ROOF PLAN KEYNOTES

1 6"X6" PREFINISHED ALUMINUM GUTTER. PROVIDE BOX GUTTER W/FLANGE AND RETAINER CLIP - TYPICAL AT ALL GUTTER LOCATIONS.
2 4"X4" PREFINISHED ALUMINUM DOWNSPOUT. COORDINATE INLET LOCATIONS WITH CIVIL DRAWINGS
3 METAL DRIP EDGE ALONG GABLE END. PROVIDE CONTINUOUS CLEAT AND OVERLAP WITH ASPHALT SHINGLE.
4 PREFINISHED METAL VENTED FASCIA. MFG: METAL ERA. MODEL: HI-PERF. 3" WIDTH X 8" HEIGHT. COVER: .063 ALUMINUM IN ONYX MATTE BLACK FINISH. 24 GAUGE PERFORATED CLOSURE: DARK BRONZE FINISH.
5 MFG: METAL ERA. MODEL: HIGH-PERF RIDGE VENT. COVER: .063 ALUMINUM. PROVIDE MATCHING END CAPS. FINISH: ONYX MATTE BLACK. 36 SQUARE INCHES OF NET FREE AREA PER LINEAR FOOT. 3" RIDGE OPENING IN ROOF SHEATHING FOR FREE NET AREA OF EXHAUST VENTILATION.
7 SNOWGUARD FOR METAL PANEL ROOFS. COLOR TO MATCH METAL ROOF PANELS. LOCATE AT BOTTOM OF ALL SLOPED ROOF LOCATIONS - SHOWN HATCHED ORANGE.

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

CHANDLER DREW WHITE — REGISTERED No. AR-19400008 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

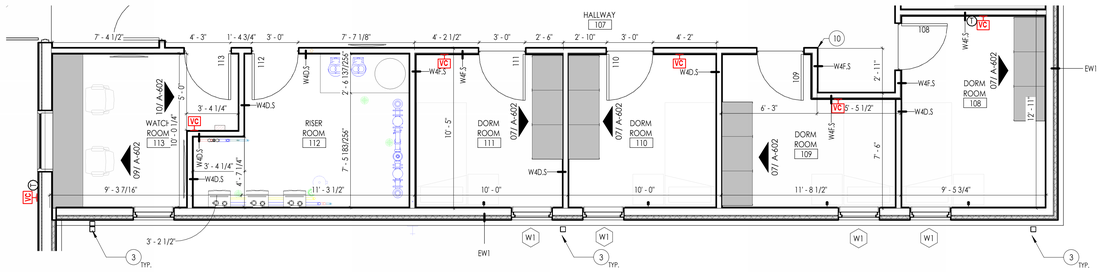
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

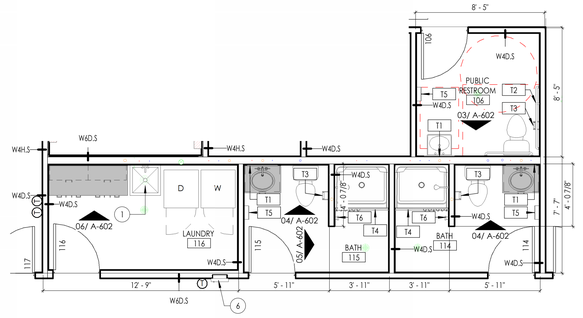
ROOF PLAN

A-103

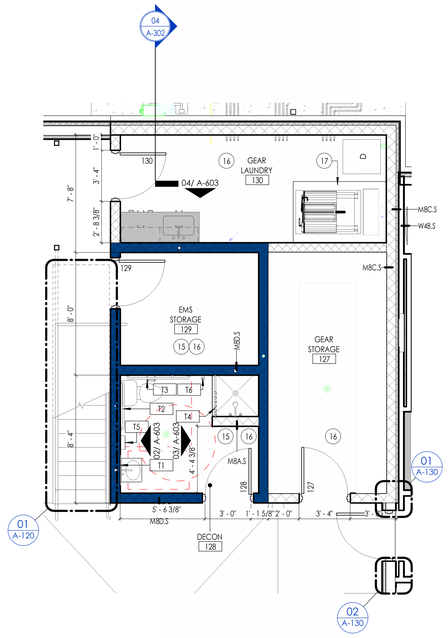
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - AXIS_v24.rvt
5/14/2026 5:19:43 PM



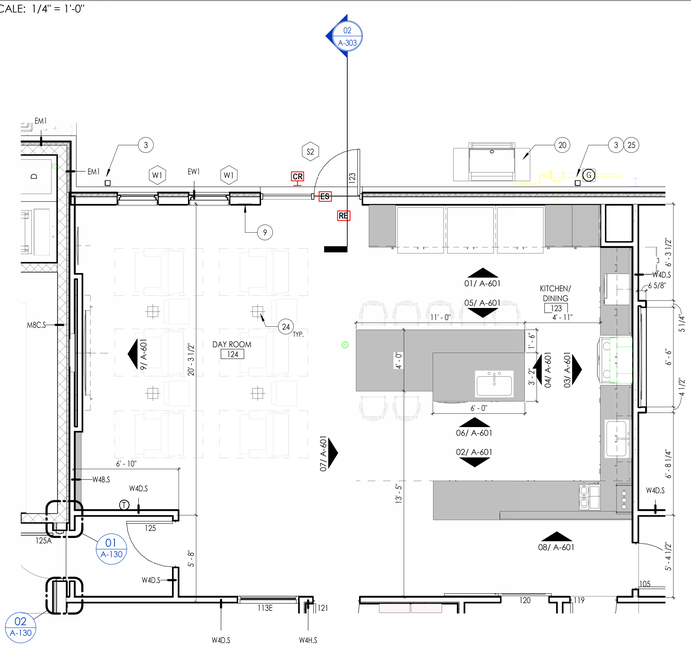
ENLARGED PLAN
03 DORM ROOMS AND WATCH ROOM 113
SCALE: 1/4" = 1'-0"



ENLARGED PLAN
02 DORM BATHROOMS + PUBLIC RESTROOM
SCALE: 1/4" = 1'-0"



ENLARGED PLAN
04 APPARATUS SUPPORT ROOMS
SCALE: 1/4" = 1'-0"



ENLARGED PLAN
01 KITCHEN/DINING 123 + DAY ROOM 124
SCALE: 1/4" = 1'-0"

GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

B. PROVIDE BULLNOSE CMU AT ALL EXPOSED CMU CORNERS.

C. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT THE APPARATUS BAY AND ALL ROOMS DIRECTLY OFF OF IT.

D. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN THE KITCHEN/ DINING ROOM AND AT ALL WALLS AND CEILINGS IN ALL BATHROOMS AND JANITOR CLOSETS.

E. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES. REFER TO FINISH PLANS, SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.

F. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD AT ALL CORRIDORS AND THE FITNESS ROOM.

G. PLAN KEYNOTES APPLY TO SHEETS A-101, A-102, A-110, AND A-120.

H. REFER TO THE BUILDING ELEVATIONS FOR EXTERIOR MASONRY CONTROL JOINTS.

I. AT ALL CONSTRUCTED PARTITIONS THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FIRE-RESISTIVE INTEGRITY.

J. ALL PIPE AND CONDUIT PENETRATIONS THROUGH 2 HOUR RATED OR MORE PARTITIONS, FLOORS, ROOFS, ETC., SHALL BE SEALED WITH A RESPECTIVELY RATED FIRE BARRIER PENETRATION SEALING SYSTEM BY 3M OR U.L. APPROVED EQUAL

K. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR TYPICAL U.L. LISTED PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.

L. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.

GRAY INFILL INDICATES MILLWORK. REFER TO INTERIOR ELEVATIONS (A-600 SERIES) AND FINISH PLANS (A-700 SERIES) FOR MORE INFORMATION.

PLAN KEYNOTES

1 STAINLESS STEEL MOP SINK WITH 36" H STAINLESS STEEL WALL GUARDS, MOP HOOKS AND BRACKETS. REFER TO PLUMBING DRAWINGS.
2 NOT USED.
3 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00.
4 CONCRETE FILLED STEEL PIPE BOLLARD WITH YELLOW PLASTIC COVER. REFER TO DETAIL 02/A-101. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS AND COORDINATE WITH STRUCTURAL FOOTINGS.
6 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTER IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
7 WOODEN STAIR SYSTEM WITH WOODEN STRINGERS AND TREADS. REFER TO DETAILS AND SPECIFICATIONS.
8 WOODEN GUARDRAIL WITH 1-1/2" DIA. POSTS, MAIN TUBES AND HANDRAIL. ROUND PICKETS AT 4" O.C. MAX., PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
9 CLASS K FIRE EXTINGUISHER.
10 CORNER GUARDS ARE INSTALLED ON OUTSIDE DRYWALL CORNERS IN CORRIDORS AND COMMON AREAS (INDICATED BY HEAVY LINE). REFER TO A-800 SERIES.
11 PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS FROM 8" TO CEILING OVER A LAYER OF GYPSUM BOARD.
12 PROVIDE FRP PANELS ON ALL WALLS FROM THE FLOOR TO THE CEILING.
13 PROVIDE JOINT SEALANT AT ALL SAW CUTS IN THE SLAB
14 TRENCH DRAIN. REFER TO AND COORDINATE DIMENSIONS WITH THE PLUMBING DRAWINGS.
15 FILL ALL SHADED CMU BLOCKS WITH INSULATION FOR THE CONDITIONED ROOM (WALL TYPE M8D).
16 SEAL ALL PENETRATION THROUGH WALLS IN THIS ROOM. SEAL WALL AT CEILING AND BASE.
17 CONCRETE PAD WITH TRENCH DRAIN FOR GEAR EXTRACTOR. REFER TO STRUCTURAL AND PLUMBING DRAWINGS.
18 SURFACE-MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER, CENTERED IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 GAS GRILL. PROVIDE NATURAL GAS CONNECTION. REFER TO PLUMBING DRAWINGS.
21 1 1/2" DIA. WALL MOUNTED WOOD HANDRAIL. PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
22 FLAGPOLE. COORDINATE LOCATION WITH CIVIL AND LANDSCAPE DRAWINGS.
23 CANE DETECTION RAIL.
24 FLOOR BOXES TO BE COORDINATED WITH ELECTRICAL DRAWINGS. TYP.
25 ENSURE THAT GAS METER AND DOWNSPOUT DO NOT OVERLAP.
26 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-491-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

DAVID TODD DREW WHITE — REGISTERED No. AR-19400081 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

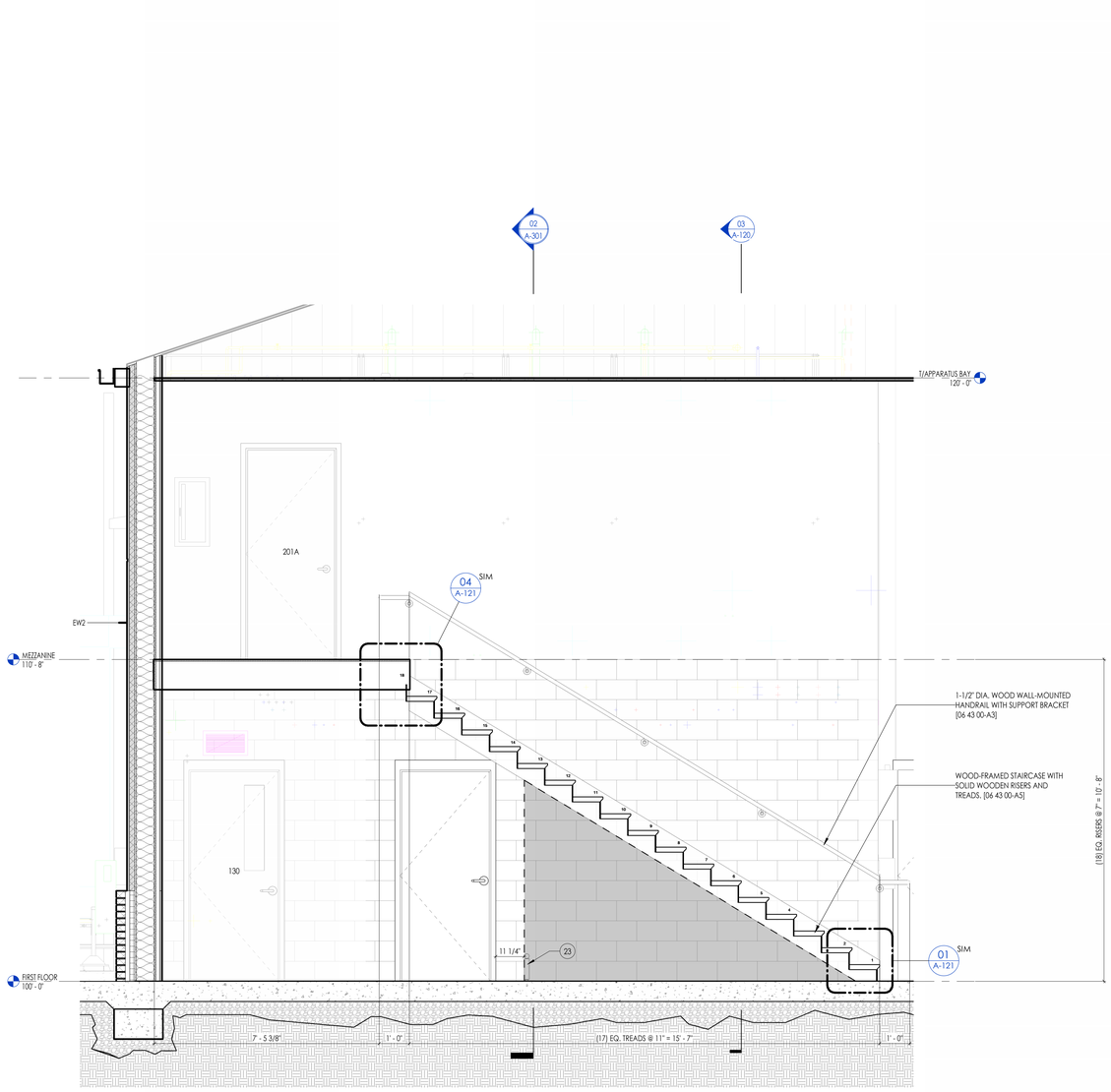
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ENLARGED PLANS

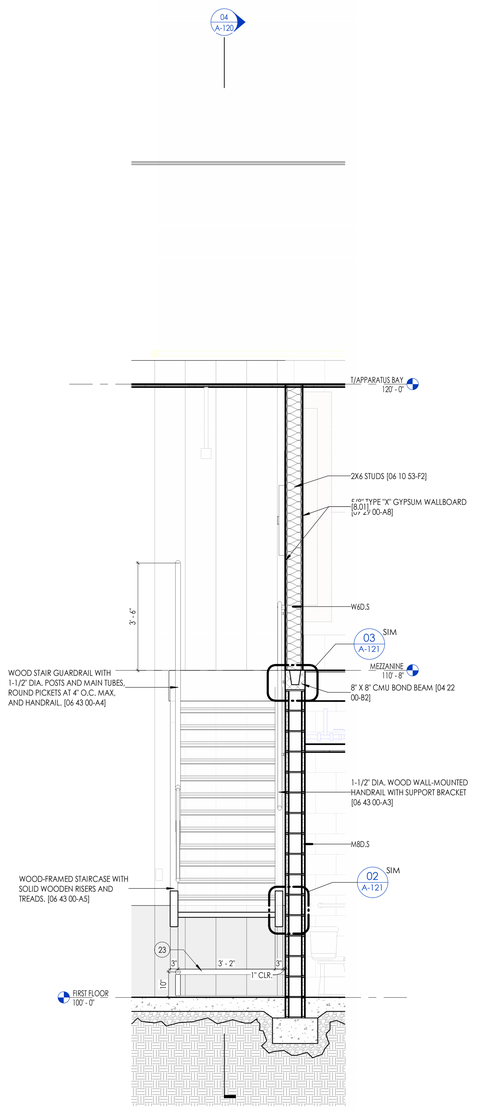
A-110

Autodesk Docs://2025013 - Nineveh Fire FD Station 101/2025013 - Nineveh Fire FD Station 101 - ARCH_v26.rvt
5/14/2026 5:19:20 PM



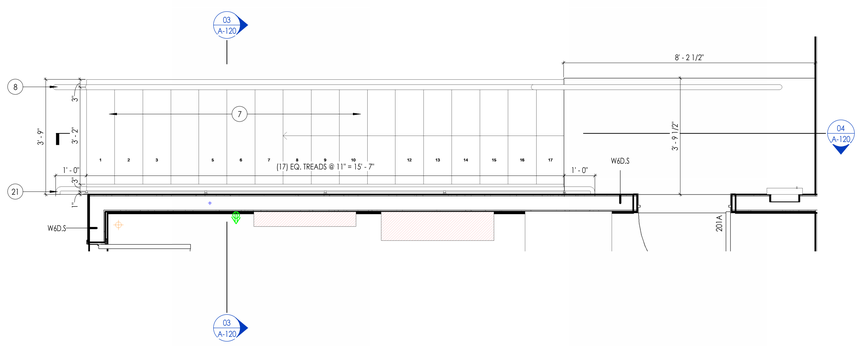
04 NS STAIR SECTION

SCALE: 1/2" = 1'-0"



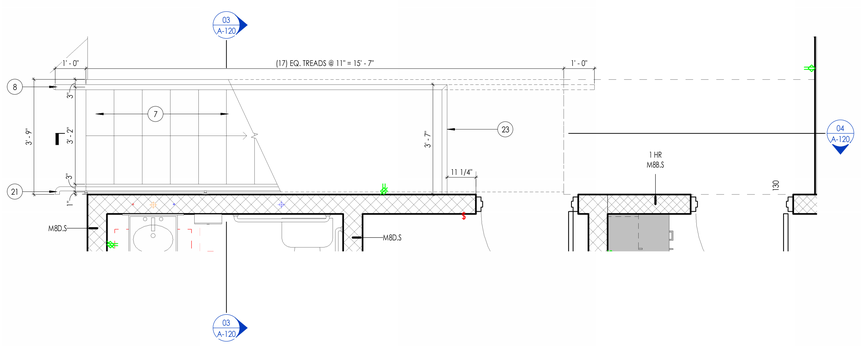
03 EW STAIR SECTION

SCALE: 1/2" = 1'-0"



02 SECOND FLOOR STAIR PLAN

SCALE: 1/2" = 1'-0"



01 FIRST FLOOR STAIR PLAN

SCALE: 1/2" = 1'-0"

GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

B. PROVIDE BULLNOSE CMU AT ALL EXPOSED CMU CORNERS.

C. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT THE APPARATUS BAY AND ALL ROOMS DIRECTLY OFF OF IT.

D. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN THE KITCHEN/ DINING ROOM AND AT ALL WALLS AND CEILINGS IN ALL BATHROOMS AND JANITOR CLOSETS.

E. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES. REFER TO FINISH PLANS, SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS.

F. PROVIDE HIGH-IMPACT GYPSUM WALLBOARD AT ALL CORRIDORS AND THE FITNESS ROOM.

G. PLAN KEYNOTES APPLY TO SHEETS A-101, A-102, A-110, AND A-120.

H. REFER TO THE BUILDING ELEVATIONS FOR EXTERIOR MASONRY CONTROL JOINTS.

I. AT ALL CONSTRUCTED PARTITIONS THE CONTRACTOR IS REQUIRED TO MAINTAIN THE FIRE-RESISTIVE INTEGRITY.

J. ALL PIPE AND CONDUIT PENETRATIONS THROUGH 2 HOUR RATED OR MORE PARTITIONS, FLOORS, ROOFS, ETC., SHALL BE SEALED WITH A RESPECTIVELY RATED FIRE BARRIER PENETRATION SEALING SYSTEM BY 3M OR U.L. APPROVED EQUAL

K. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR TYPICAL U.L. LISTED PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.

L. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.

GRAY INFILL INDICATES MILLWORK. REFER TO INTERIOR ELEVATIONS (A-600 SERIES) AND FINISH PLANS (A-700 SERIES) FOR MORE INFORMATION.

PLAN KEYNOTES

1 STAINLESS STEEL MOP SINK WITH 36" H STAINLESS STEEL WALL GUARDS, MOP HOOKS AND BRACKETS. REFER TO PLUMBING DRAWINGS.
2 NOT USED.
3 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00.
4 CONCRETE FILLED STEEL PIPE BOLLARD WITH YELLOW PLASTIC COVER. REFER TO DETAIL 02/A-101. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS AND COORDINATE WITH STRUCTURAL FOOTINGS.
6 SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. CENTER IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
7 WOODEN STAIR SYSTEM WITH WOODEN STRINGERS AND TREADS. REFER TO DETAILS AND SPECIFICATIONS.
8 WOODEN GUARDRAIL WITH 1-1/2" DIA. POSTS, MAIN TUBES AND HANDRAIL, ROUND PICKETS AT 4" O.C. MAX., PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
9 CLASS K FIRE EXTINGUISHER.
10 CORNER GUARDS ARE INSTALLED ON OUTSIDE DRYWALL CORNERS IN CORRIDORS AND COMMON AREAS (INDICATED BY HEAVY LINE). REFER TO A-800 SERIES.
11 PROVIDE 3/4" FIRE-RATED PLYWOOD ON ALL WALLS FROM 8" TO CEILING OVER A LAYER OF GYPSUM BOARD.
12 PROVIDE FRP PANELS ON ALL WALLS FROM THE FLOOR TO THE CEILING.
13 PROVIDE JOINT SEALANT AT ALL SAW CUTS IN THE SLAB
14 TRENCH DRAIN. REFER TO AND COORDINATE DIMENSIONS WITH THE PLUMBING DRAWINGS.
15 FILL ALL SHADED CMU BLOCKS WITH INSULATION FOR THE CONDITIONED ROOM (WALL TYPE M8D).
16 SEAL ALL PENETRATION THROUGH WALLS IN THIS ROOM. SEAL WALL AT CEILING AND BASE.
17 CONCRETE PAD WITH TRENCH DRAIN FOR GEAR EXTRACTOR. REFER TO STRUCTURAL AND PLUMBING DRAWINGS.
18 SURFACE-MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER, CENTERED IN THE WALL HORIZONTALLY. BASIS OF DESIGN MODEL: ACTIVAR ACADEMY.
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 GAS GRILL. PROVIDE NATURAL GAS CONNECTION. REFER TO PLUMBING DRAWINGS.
21 1 1/2" DIA. WALL MOUNTED WOOD HANDRAIL. PAINTED. PAINT TO BE HIGH PERFORMANCE COATING.
22 FLAGPOLE. COORDINATE LOCATION WITH CIVIL AND LANDSCAPE DRAWINGS.
23 CANE DETECTION RAIL.
24 FLOOR BOXES TO BE COORDINATED WITH ELECTRICAL DRAWINGS, TYP.
25 ENSURE THAT GAS METER AND DOWNSPOUT DO NOT OVERLAP.
26 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

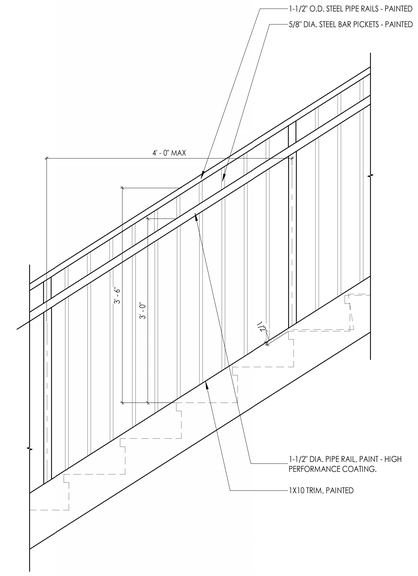
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

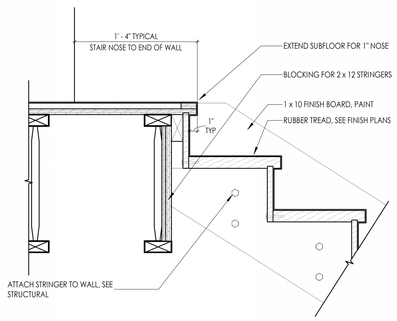
STAIR PLANS AND SECTIONS

A-120

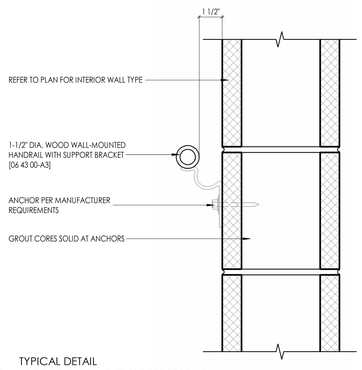
D:\405056.5-19SEPtd
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_26.rvt



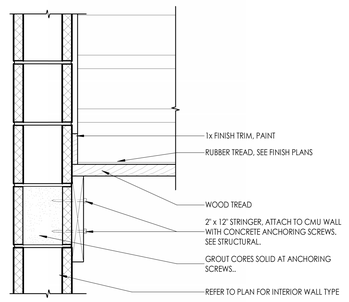
TYPICAL DETAIL
05 TYPICAL PIPE HANDRAIL
SCALE: 1" = 1'-0"



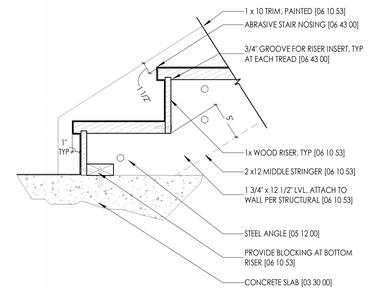
TYPICAL DETAIL
04 WOOD STRINGER AT FLOOR DOWN
SCALE: 1 1/2" = 1'-0"



TYPICAL DETAIL
03 HANDRAIL AT CMU WALL
SCALE: 3" = 1'-0"



TYPICAL DETAIL
02 WOOD STRINGER AT WALL
SCALE: 1 1/2" = 1'-0"



TYPICAL DETAIL
01 STRINGER AT SLAB DETAIL
SCALE: 1 1/2" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANIEL EDGE DREW WHITE
REGISTERED
NO
AR-19400081
STATE OF
INDIANA
ARCHITECT

PROJECT NUMBER:	2025013
DRAWN: AUTHOR	CHECKED: CHECKER
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

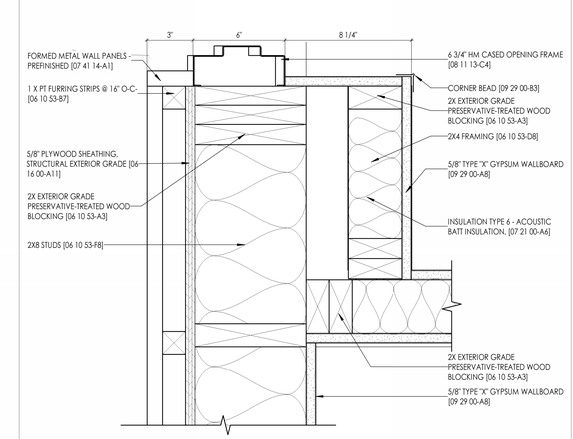
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

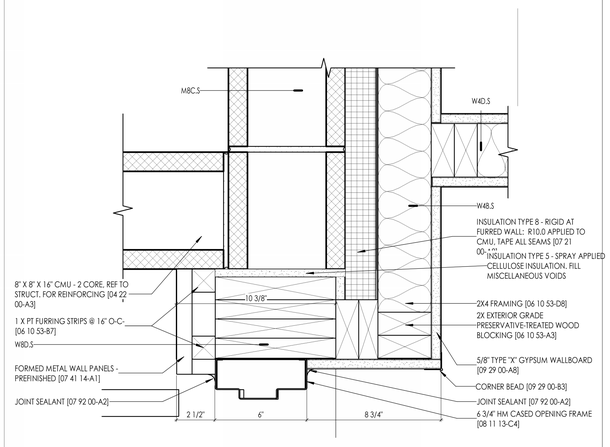
STAIR DETAILS

A-121

5/14/2026 9:19:58 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_ASIS_26R.rvt



02 PLAN DETAIL
DETAIL 02
SCALE: 3" = 1'-0"



01 PLAN DETAIL
125A DOOR JAMB
SCALE: 3" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-951-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

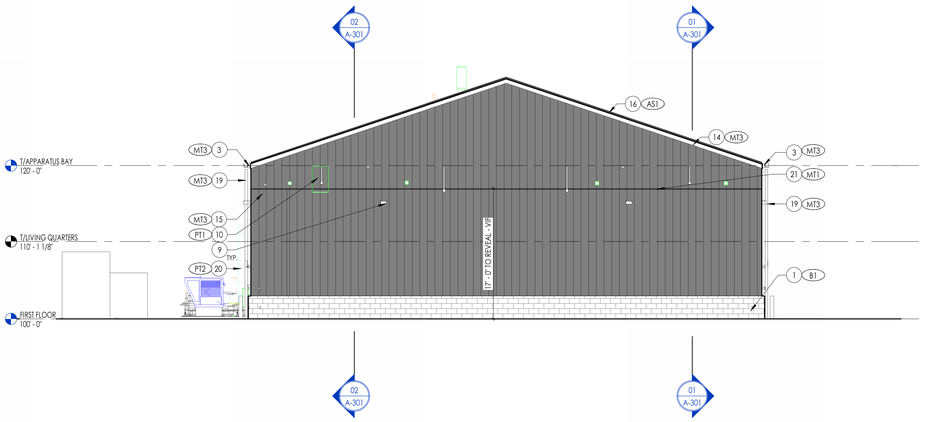
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

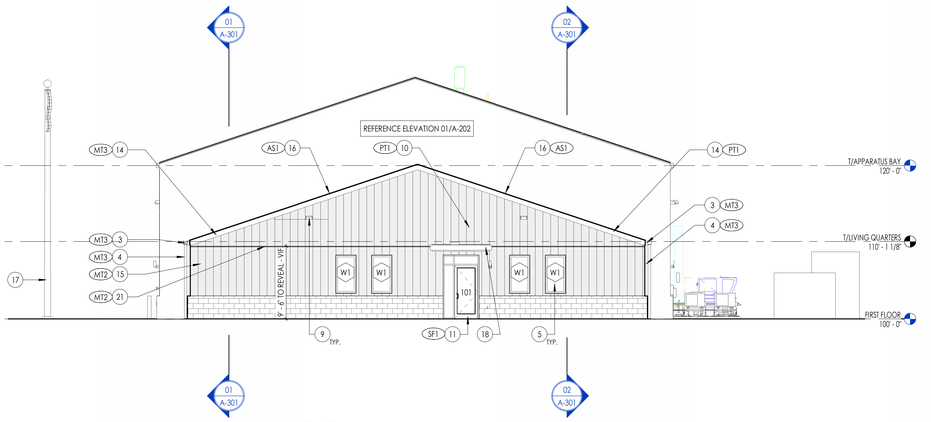
PLAN DETAILS

A-130

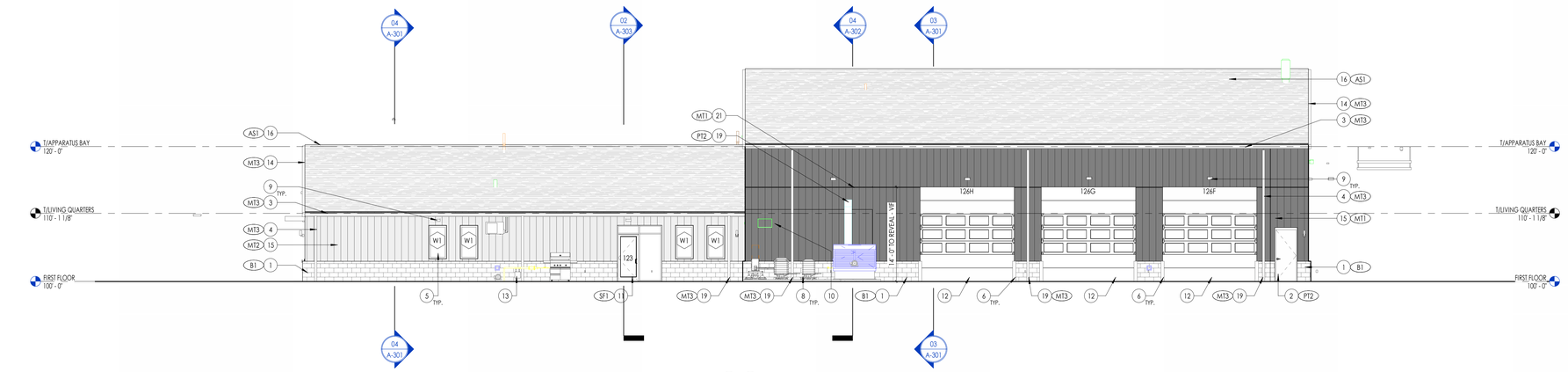
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_A&S_v24.rvt
5/14/2026 5:19:59 PM



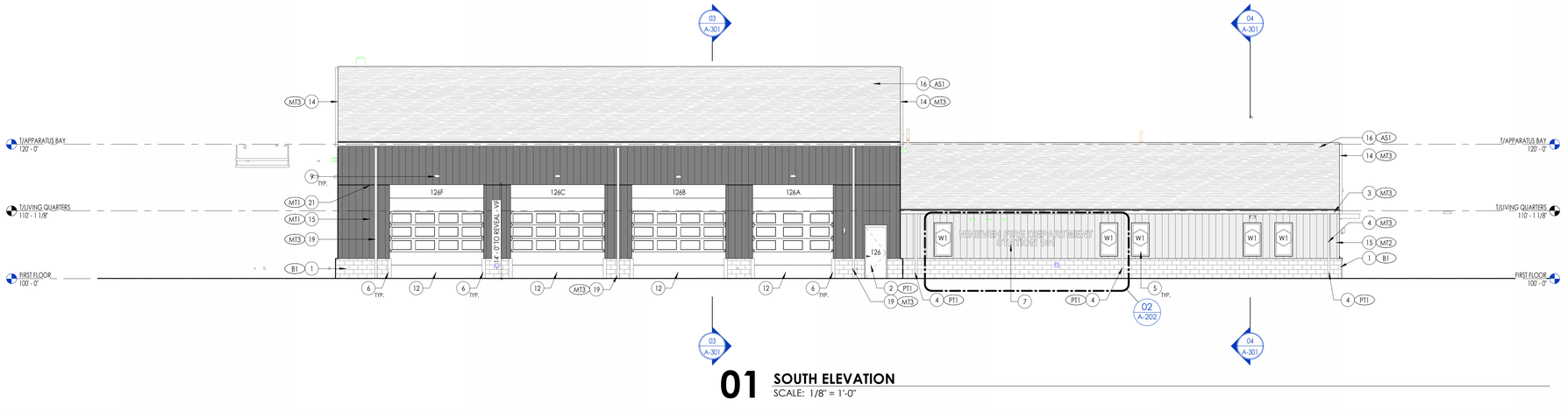
04 WEST ELEVATION
SCALE: 1/8" = 1'-0"



03 EAST ELEVATION
SCALE: 1/8" = 1'-0"



02 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



01 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL ELEVATION NOTES

A. REFER TO A-201 FOR EXTERIOR MATERIAL SCHEDULE.

B. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC.

SYMBOLS

- CONTROL JOINT
- XX — EXTERIOR FINISH MATERIAL
- XX — WINDOW TYPE

EXTERIOR ELEVATION KEYNOTE

1 DECORATIVE BLOCK. [04 22 00]
2 INSULATED HM DOOR. REFER TO DOOR SCHEDULE FOR MORE INFORMATION. [08 11 13]
3 PREFINISHED ALUMINUM GUTTER. [07 41 13]
4 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00. [07 62 00]
5 ALUMINUM-CLAD WOOD WINDOW. REFER TO WINDOW ELEVATIONS FOR MORE INFORMATION. [08 52 00]
6 CONCRETE-FILLED STEEL PIPE BOLLARD WITH PLASTIC COVER. REFER TO DETAILS D6/A3-11. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS. COORDINATE WITH FOOTINGS. [05 50 00]
7 PIN MOUNTED ALUMINUM SIGNAGE. [10 14 19]
8 MECHANICAL EQUIPMENT. REFER TO MEP DRAWINGS.
9 EXTERIOR LIGHT FIXTURE. REFER TO MEP DRAWINGS.
10 MECHANICAL LOUVER LOCATION TO BE COORDINATED WITH ARCHITECT BEFORE INSTALLATION. CENTER ALL VENTS ON SEAMS OF VERTICAL SIDING.
11 BLACK ANODIZED ALUMINUM AND GLASS STOREFRONT FRAMING SYSTEM. [08 14 13]
12 OVERHEAD SECTIONAL DOOR - INSULATED AS BASE BID. BASIS-OF-DESIGN: RAYNOR TM220 [08 36 1]
13 GAS METER. REFER TO CIVIL AND MEP DRAWINGS.
14 PREFINISHED VENTED METAL FASCIA [05 75 00]
15 FORMED METAL WALL PANEL. [07 42 13.13]
16 ASPHALT SHINGLE ROOF. [07 41 13.16]
17 FLAG POLE. [10 75 16]
18 PRE-MANUFACTURED CANOPY. BASIS OF DESIGN: MAPES SUPER LUMIDECK FLAT SOFFIT WITH AN 8" J FASCIA. FINISH IS TO BE A 2-COAT KYNAR AND SELECTED FROM THE MANUFACTURER'S FULL RANGE OF COLORS. [05 50 00]
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 DUCTWORK OPENING TO BE COORDINATED WITH ARCHITECT BEFORE INSTALLATION. CENTER OPENING ON SEAMS OF VERTICAL SIDING.
21 HORIZONTAL REVEAL IN METAL PANEL - FINISH COLOR TO MATCH METAL PANEL.

EXTERIOR MATERIALS LEGEND

TYPE	PRODUCT	DESCRIPTION
B1	DECORATIVE MASONRY BLOCK	MFR: CONSUMERS CONCRETE CORP. SIZE: 4" X 8" X 16" SOLID COLOR PROVIDE RETURN SOLID COLOR CORNER INSTALL: RUNNING BOND FINISH: ASH MORTAR: TO BE SELECTED FROM FULL RANGE
MT1	FORMED METAL WALL PANEL - APPARATUS BAY	MFR: PAC-CLAD MODEL: PENCIL RIB ON SMOOTH PANEL SIZE: 12" WIDTH, 1" DEPTH, 22-GAUGE INSTALL: VERTICAL FINISH: ONYX NOTE: PROVIDE HORIZONTAL BREAK IN PANELS AT 10'-12' VERTICAL HEIGHT MAX. ALIGN WITH WINDOW HEADER, DOOR HEADER, OR BOTTOM OF SOFFIT/EAVE.
MT2	FORMED METAL WALL PANEL - LIVING QUARTERS	MFR: PAC-CLAD MODEL: PENCIL RIB ON SMOOTH PANEL SIZE: 12" WIDTH, 1" DEPTH, 24-GAUGE INSTALL: VERTICAL FINISH: CITYSCAPE NOTE: PROVIDE HORIZONTAL BREAK IN PANELS AT 10'-12' VERTICAL HEIGHT MAX. ALIGN WITH WINDOW HEADER, DOOR HEADER, OR BOTTOM OF SOFFIT/EAVE.
MT3	PREFINISHED METAL FASCIA, GUTTERS, DOWNSPOUTS	MFR: PAC-CLAD FINISH: ONYX
AS1	ASPHALT SHINGLE ROOF	MFR: GAF MODEL: TIMBERLINE HDZ FINISH: CHARCOAL
MT4	ALTERNATE # 05: METAL ROOF PANEL	MFR: PAC-CLAD MODEL: SNAP-CLAD SIZE: 12" WIDTH, 1-3/4" PROFILE, 24-GAUGE, PENCIL RIB PANEL FINISH: ONYX
PT1	PREFINISHED PAINTED METAL	MFR: SHERWIN-WILLIAMS FINISH: SW 7069 IRON ORE
PT2	HIGH-PERFORMANCE COATING	MFR: SHERWIN-WILLIAMS FINISH: SW 7069 IRON ORE
SF1	PREFINISHED ANODIZED ALUMINUM STOREFRONT	MFR: KAWNEER MODEL: TRIFAB VG 451T TYPE: FRONT GLAZED, 1" INSULATED GLASS SIZE: 4-1/2" X 2" FINISH: BLACK ANODIZED

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

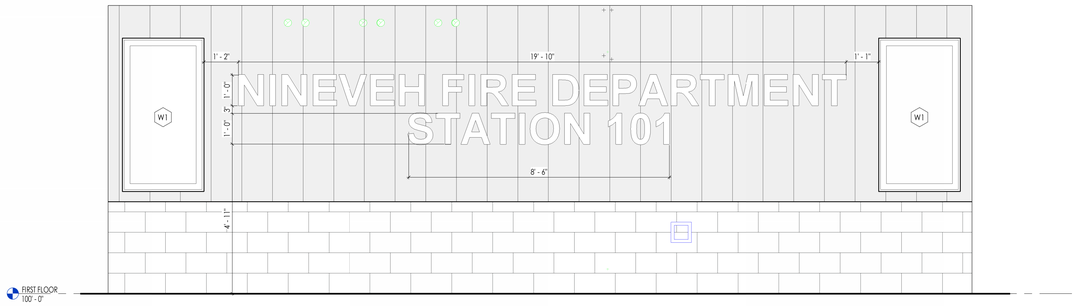
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

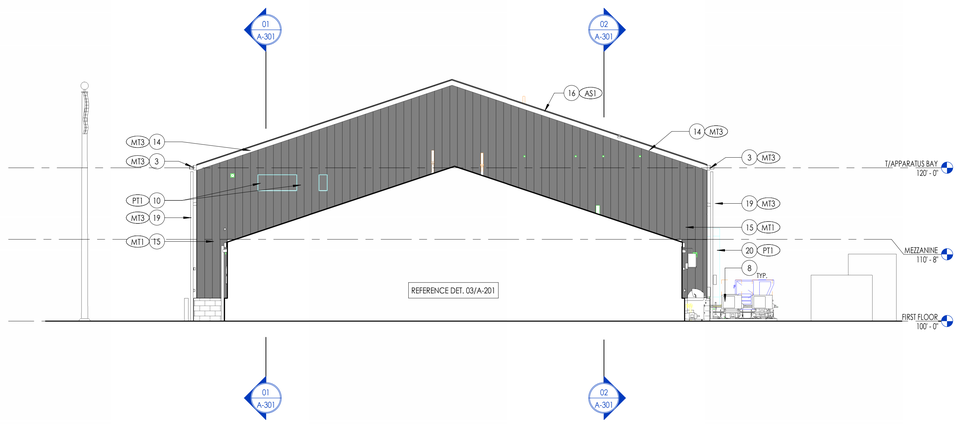
EXTERIOR ELEVATIONS

A-201

D:\405016.2-20251PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_26.rvt



ELEVATION
02 SOUTH ELEVATION SIGNAGE DIAGRAM
SCALE: 1/2" = 1'-0"



01 EAST ELEVATION - APPARATUS BAY
SCALE: 1/8" = 1'-0"

GENERAL ELEVATION NOTES

A. REFER TO A-201 FOR EXTERIOR MATERIAL SCHEDULE.

B. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC.

SYMBOLS

CONTROL JOINT

XX — EXTERIOR FINISH MATERIAL

XX — WINDOW TYPE

EXTERIOR ELEVATION KEYNOTE

1 DECORATIVE BLOCK. [04 22 00]
2 INSULATED HM DOOR. REFER TO DOOR SCHEDULE FOR MORE INFORMATION. [08 11 13]
3 PREFINISHED ALUMINUM GUTTER. [07 41 13]
4 DOWNSPOUT WITH SPLASH GUARD. REFER TO SHEET C1.00. [07 62 00]
5 ALUMINUM-CLAD WOOD WINDOW. REFER TO WINDOW ELEVATIONS FOR MORE INFORMATION. [08 52 00]
6 CONCRETE-FILLED STEEL PIPE BOLLARD WITH PLASTIC COVER. REFER TO DETAILS 06/A3-11. REFER TO CIVIL DRAWINGS FOR EXTERIOR BOLLARDS. COORDINATE WITH FOOTINGS. [05 50 00]
7 PIN MOUNTED ALUMINUM SIGNAGE. [10 14 19]
8 MECHANICAL EQUIPMENT. REFER TO MEP DRAWINGS.
9 EXTERIOR LIGHT FIXTURE. REFER TO MEP DRAWINGS.
10 MECHANICAL LOUVER LOCATION TO BE COORDINATED WITH ARCHITECT BEFORE INSTALLATION. CENTER ALL VENTS ON SEAMS OF VERTICAL SIDING.
11 BLACK ANODIZED ALUMINUM AND GLASS STOREFRONT FRAMING SYSTEM. [08 14 13]
12 OVERHEAD SECTIONAL DOOR - INSULATED AS BASE BID. BASIS-OF-DESIGN: RAYNOR TM220 [08 36 1]
13 GAS METER. REFER TO CIVIL AND MEP DRAWINGS.
14 PREFINISHED VENTED METAL FASCIA [05 75 00]
15 FORMED METAL WALL PANEL. [07 42 13.13]
16 ASPHALT SHINGLE ROOF. [07 41 13.16]
17 FLAG POLE. [10 75 16]
18 PRE-MANUFACTURED CANOPY. BASIS OF DESIGN: MAPES SUPER LUMIDECK FLAT SOFFIT WITH AN 8" J FASCIA. FINISH IS TO BE A 2-COAT KYNAR AND SELECTED FROM THE MANUFACTURER'S FULL RANGE OF COLORS. [05 50 00]
19 CONNECT DOWNSPOUT TO UNDERDRAIN. REFER TO SHEET C1.00.
20 DUCTWORK OPENING TO BE COORDINATED WITH ARCHITECT BEFORE INSTALLATION. CENTER OPENING ON SEAMS OF VERTICAL SIDING.
21 HORIZONTAL REVEAL IN METAL PANEL - FINISH COLOR TO MATCH METAL PANEL.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANBRIDGE DREW WHITE
REGISTERED
NO. AR-19400008
STATE OF INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

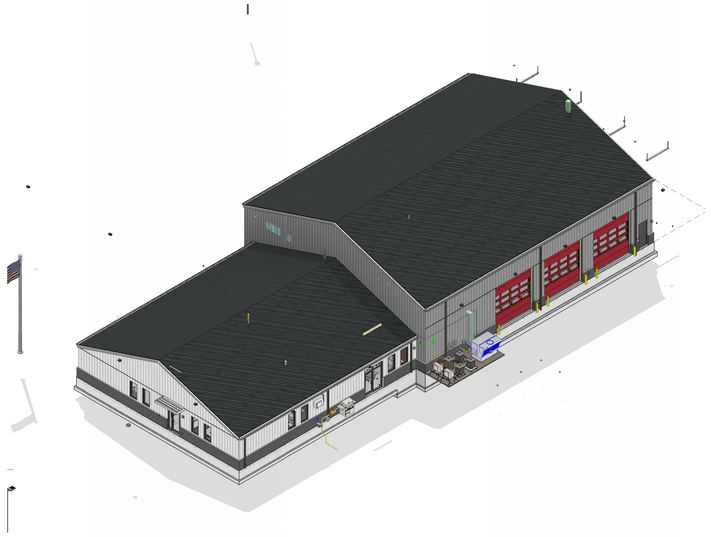
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

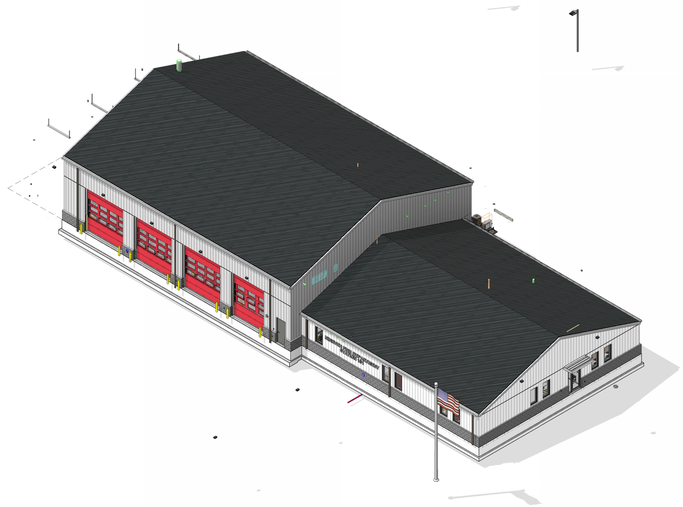
EXTERIOR ELEVATIONS

A-202

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_26.rvt
5/14/2026 5:20:13 PM



04 SOUTHWEST AXONOMETRIC VIEW
SCALE:



03 NORTHWEST AXONOMETRIC VIEW
SCALE:

02 SOUTHEAST AXONOMETRIC VIEW
SCALE: NTS

01 NORTHEAST AXONOMETRIC VIEW
SCALE: NTS

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

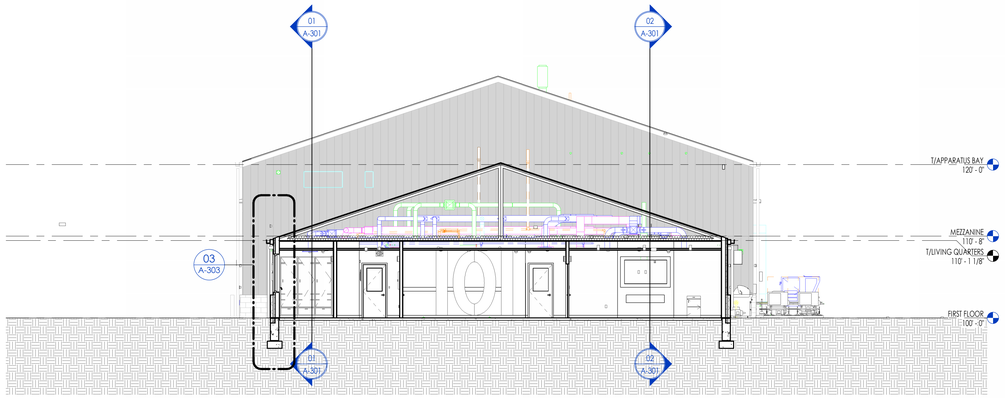
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

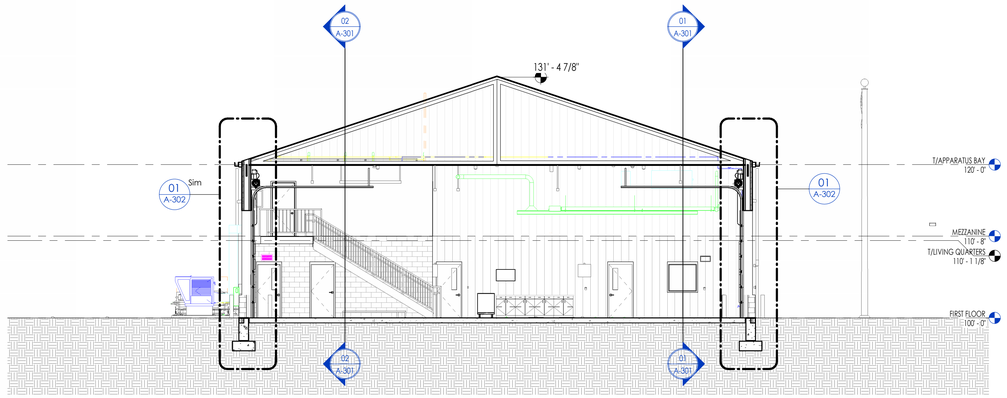
3D EXTERIOR VIEWS

A-204

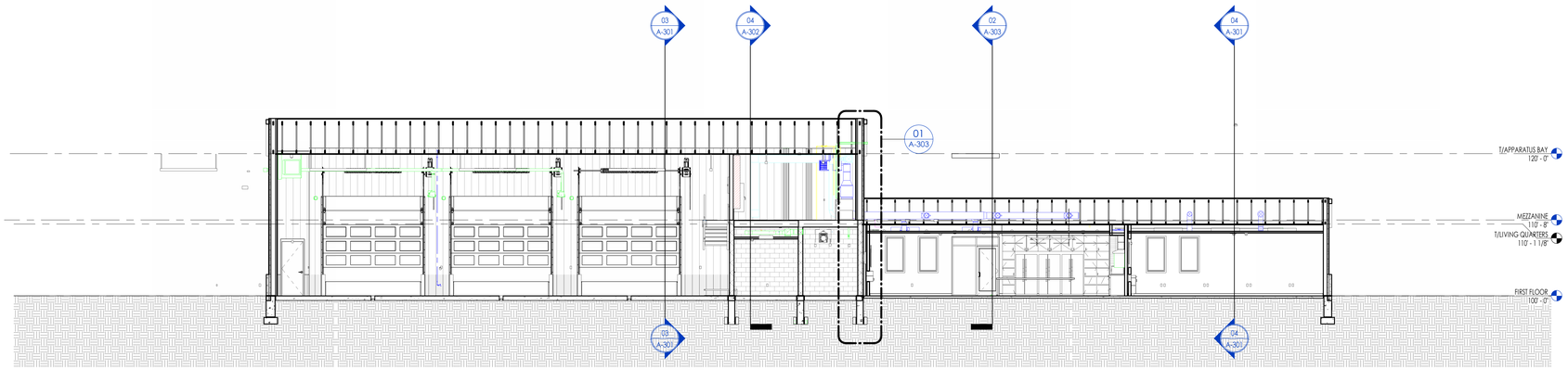
5/14/2026 5:21:04 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_AXIS_v24.rvt



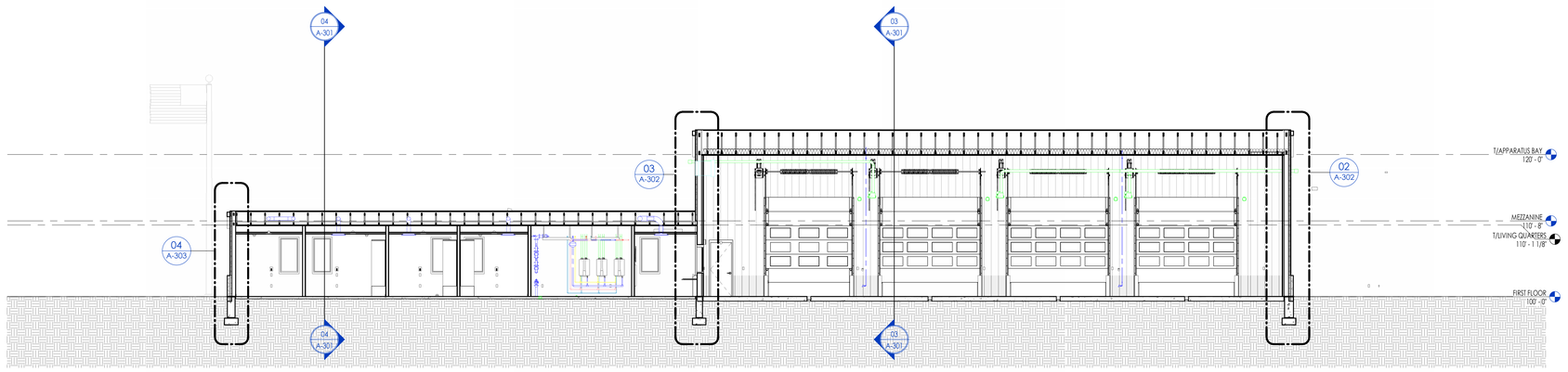
04 BUILDING SECTION N/S 2
SCALE: 1/8" = 1'-0"



03 BUILDING SECTION N/S 1
SCALE: 1/8" = 1'-0"



02 BUILDING SECTION E/W 2
SCALE: 1/8" = 1'-0"



01 BUILDING SECTION E/W 1
SCALE: 1/8" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

DANIEL EDGE DREW WHITE
REGISTERED
No AR-19400081
STATE OF INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

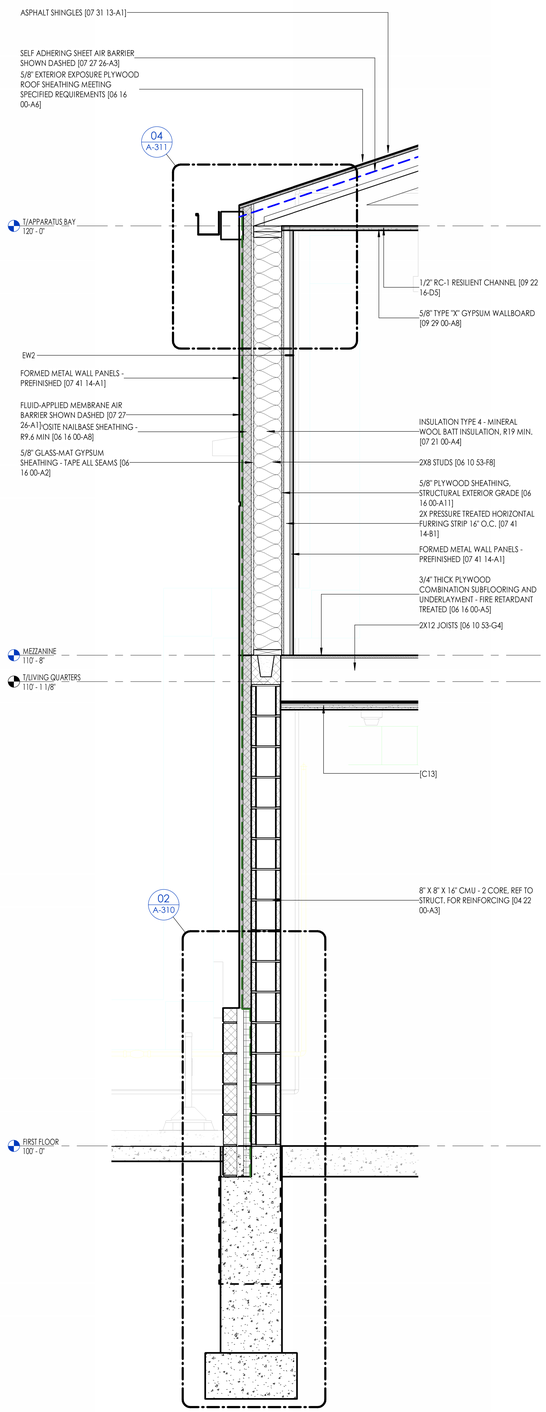
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

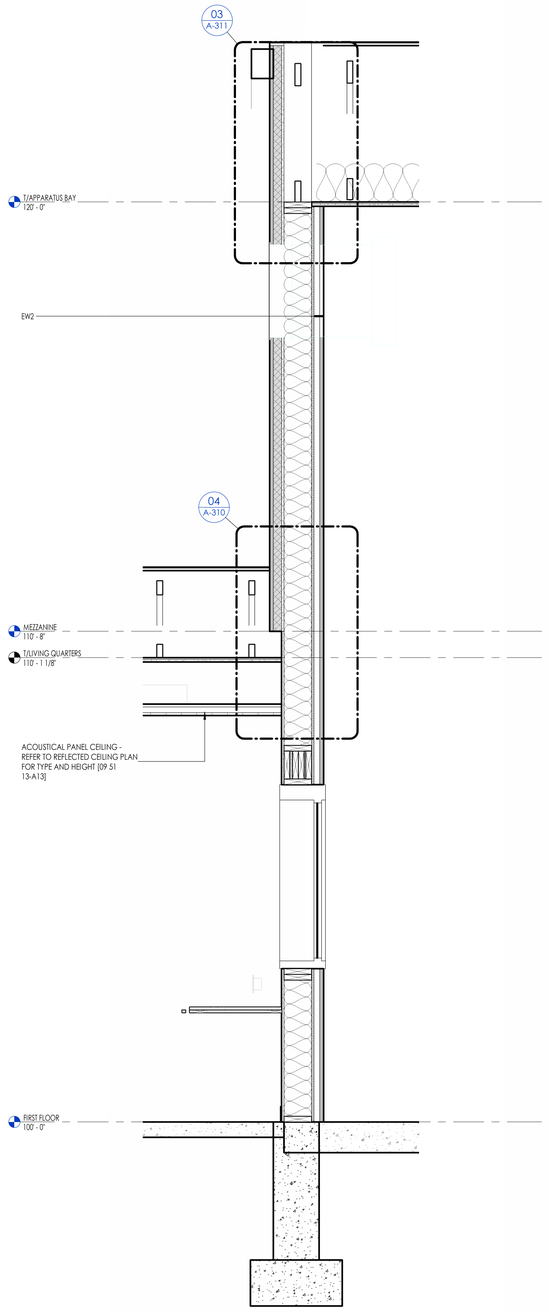
BUILDING SECTIONS

A-301

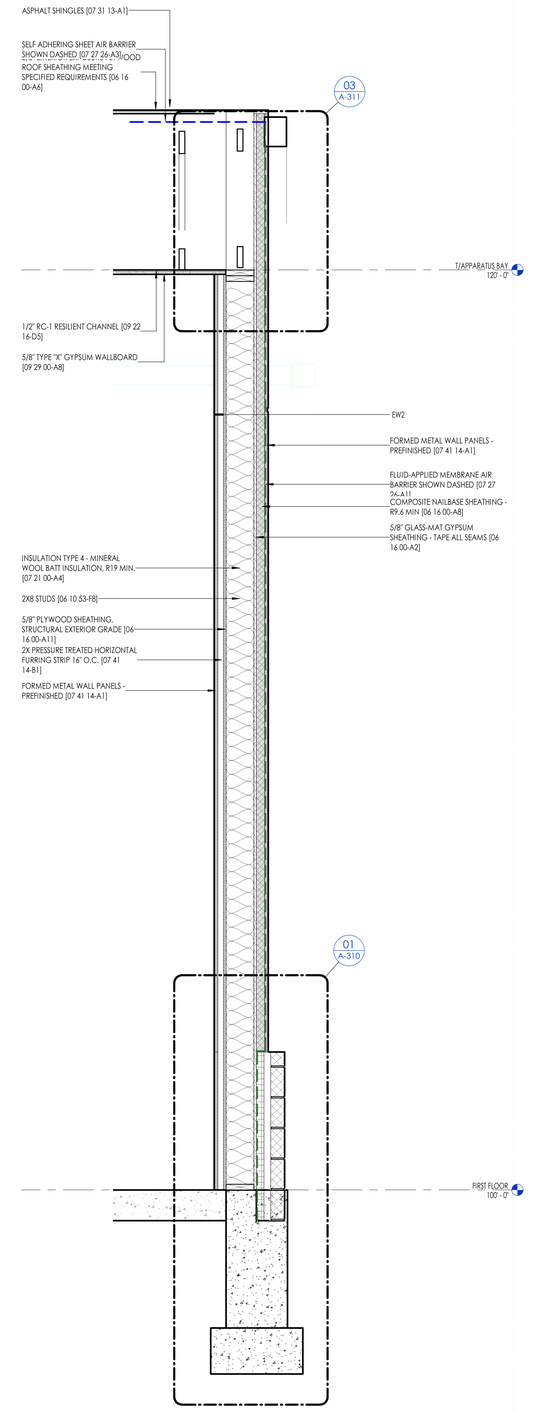
Autodesk Docs://2025013 - Nineveh Fire FD Station 101/2025013 - Nineveh Fire FD Station 101 - ARDS_v26.rvt
5/14/2026 5:29:15 PM



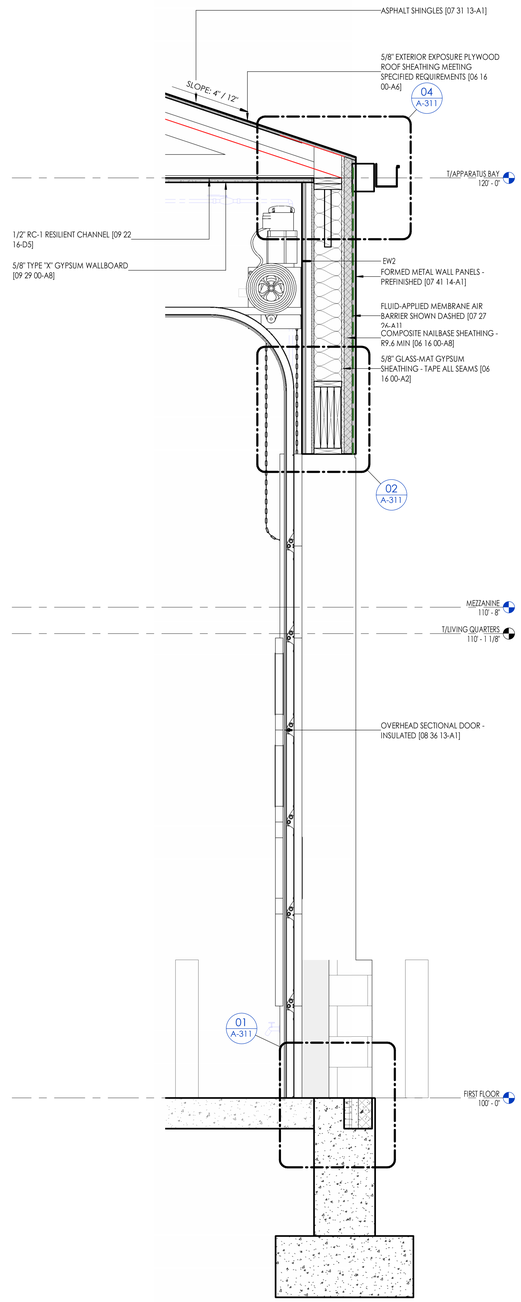
04 **APPARATUS BAY 126 - MECHANICAL MEZZANINE**
SCALE: 3/4" = 1'-0"



03 **APPARATUS BAY 126 - SEPARATION WALL**
SCALE: 3/4" = 1'-0"



02 **APPARATUS BAY 126 - WEST WALL**
SCALE: 3/4" = 1'-0"



01 **APPARATUS BAY 126 - OVERHEAD DOOR**
SCALE: 3/4" = 1'-0"

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQCh
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DONALD RICE DREW PAINTER REGISTERED No AR-19400008 STATE OF INDIANA ARCHITECT

PROJECT NUMBER:	2025013
DRAWN: AUTHOR	CHECKED: CHECKER
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

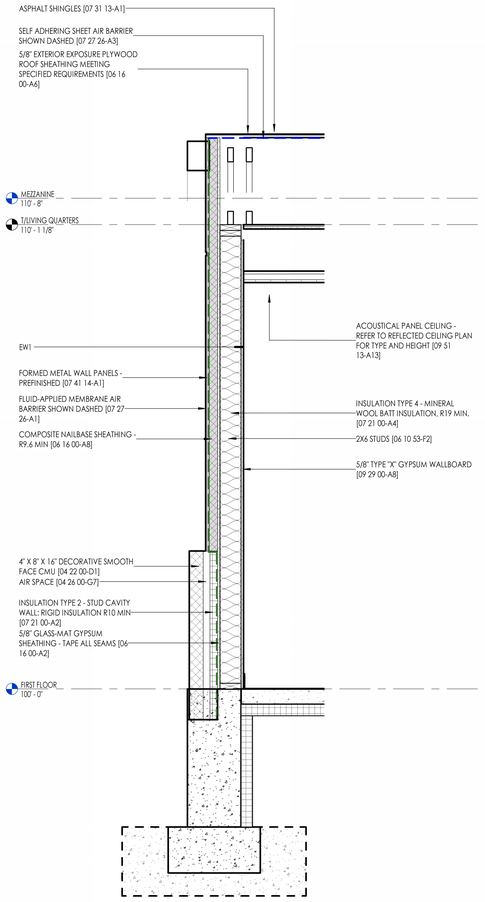
NINEVEH FIRE STATION 101

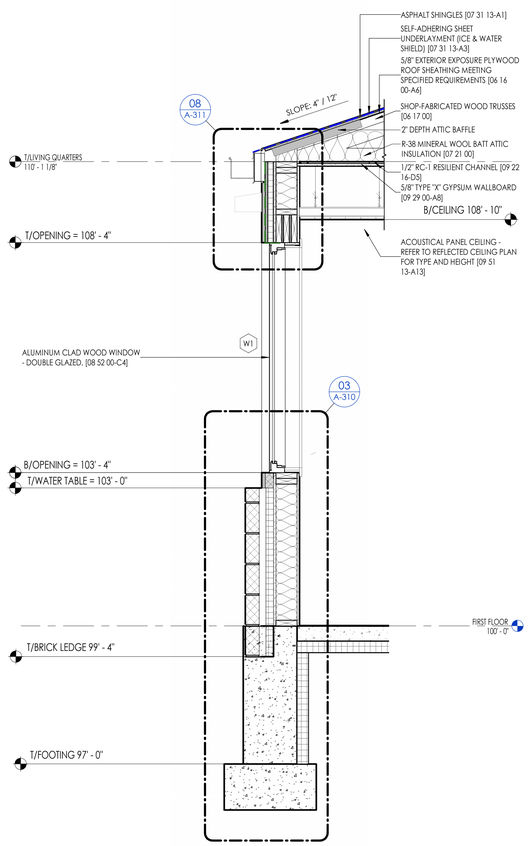
S NINEVEH ROAD
NINEVEH, IN 46164

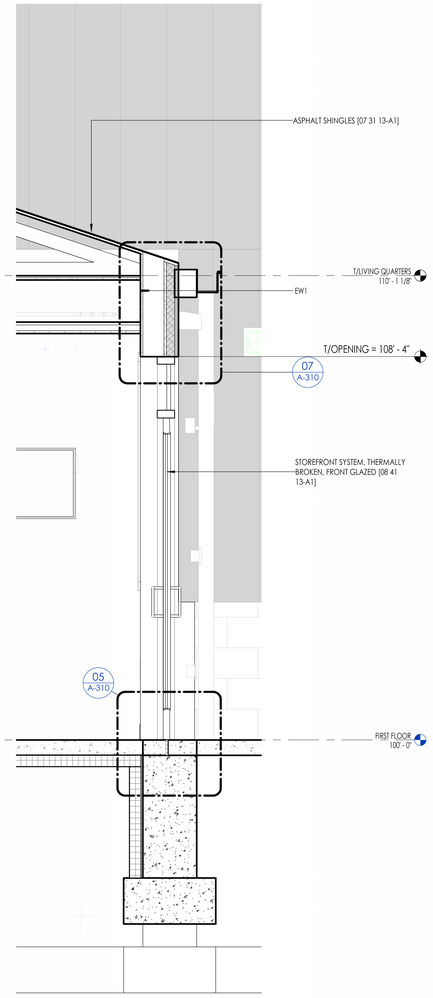
WALL SECTIONS

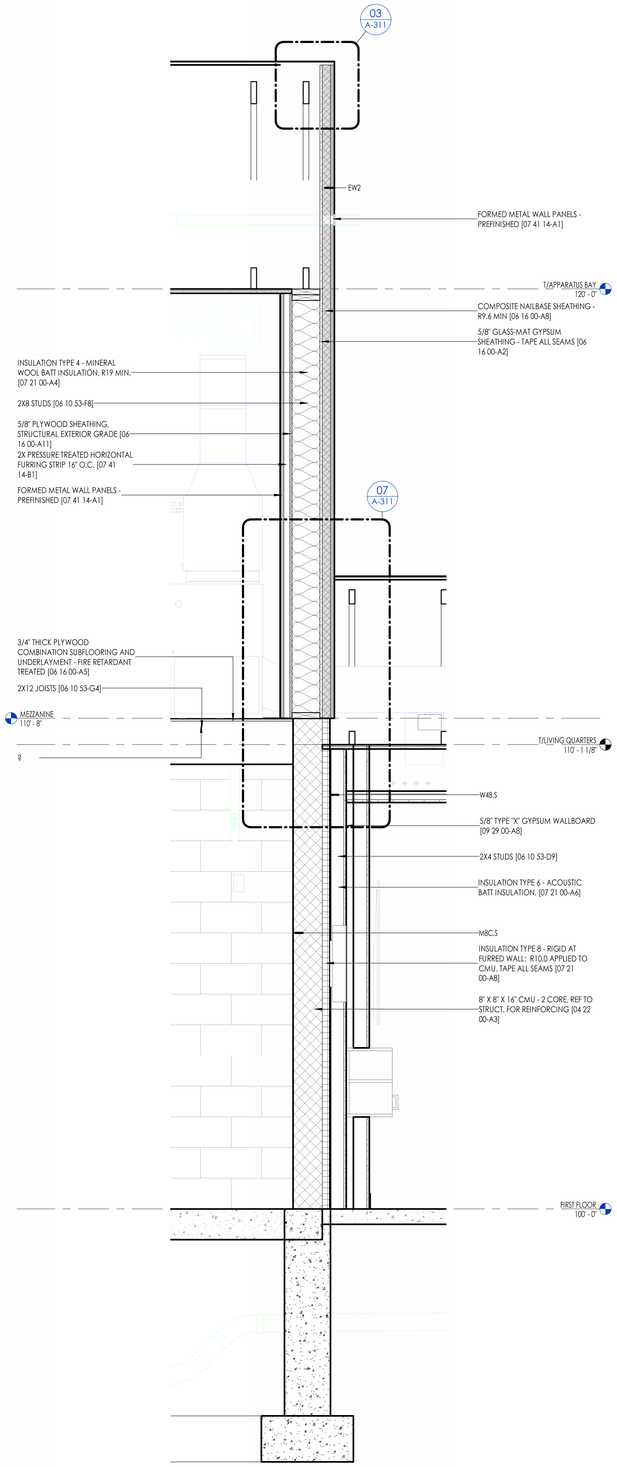
A-302

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARB_v26.rvt
5/14/2026 5:27:20 PM









04 **BUILDING SECTION E/W 1 - Callout 1**
SCALE: 3/4" = 1'-0"

03 **BUILDING SECTION N/S 2 - Callout 1**
SCALE: 3/4" = 1'-0"

02 **KITCHEN/DINING 123 - NORTH WALL**
SCALE: 3/4" = 1'-0"

01 **MECHANICAL MEZZANINE - SEPARATION WALL**
SCALE: 3/4" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

PROJECT NUMBER:	2025013
DRAWN: AUTHOR	CHECKED: CHECKER
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

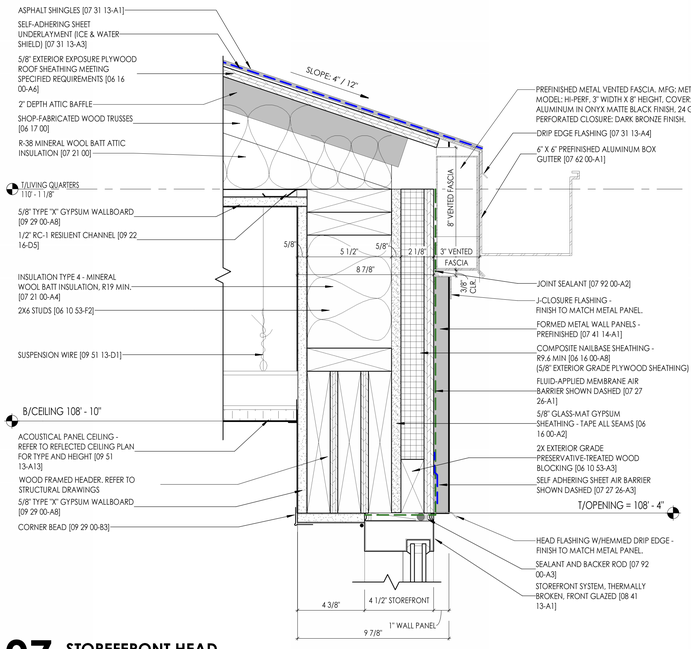
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

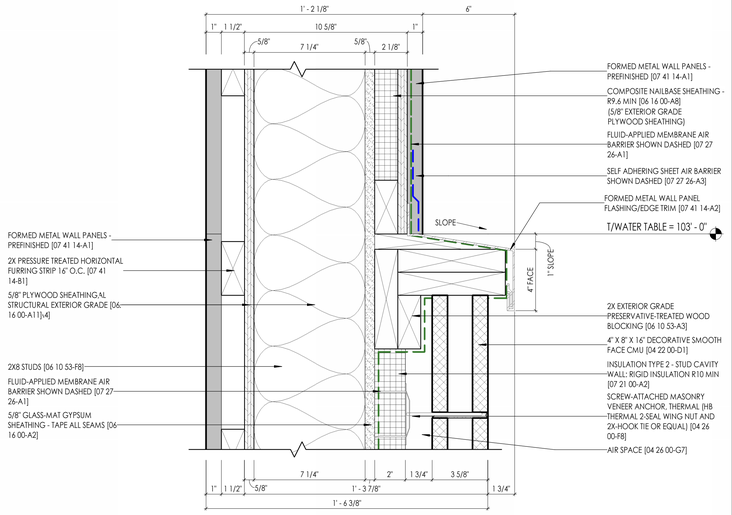
WALL SECTIONS

A-303

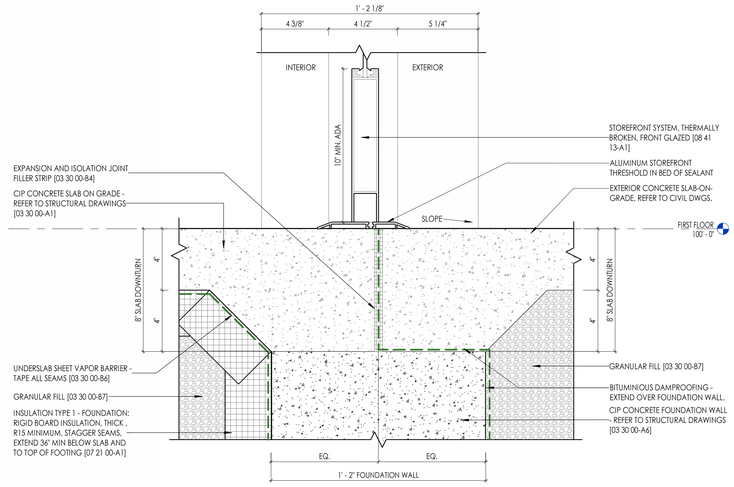
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_v26.rvt
5/14/2026 4:21:23 PM



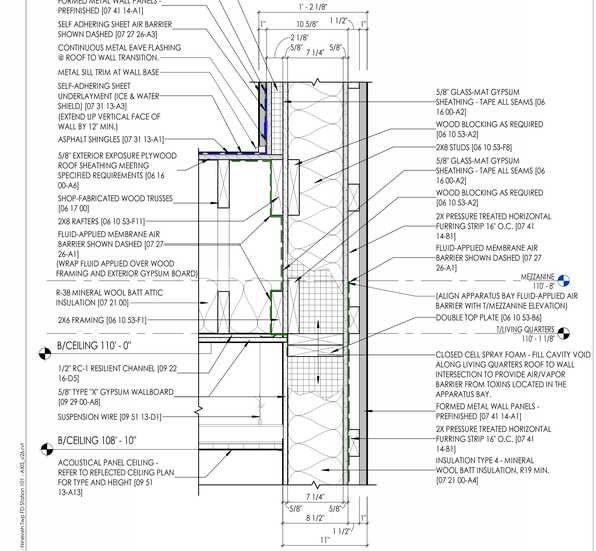
07 STOREFERONT HEAD
SCALE: 3" = 1'-0"



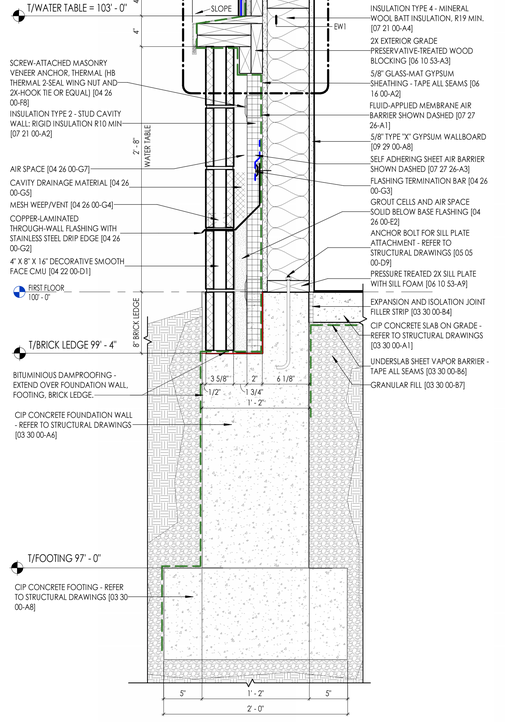
06 METAL PANEL TRANSITION
SCALE: 3" = 1'-0"



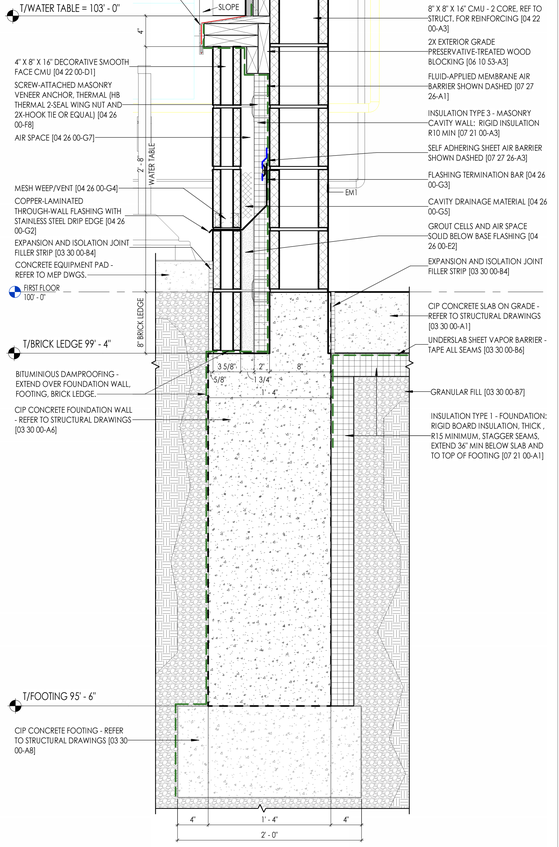
05 FOUNDATION - STOREFERONT SILL
SCALE: 3" = 1'-0"



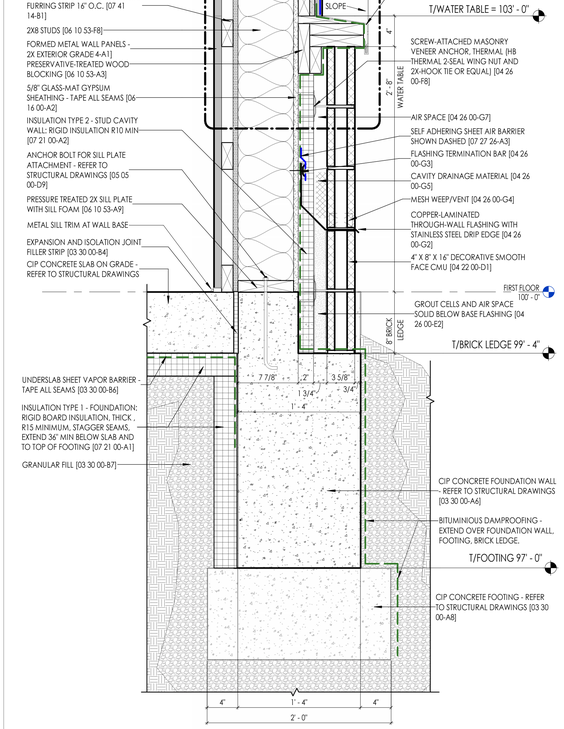
04 LIVING QUARTERS ROOF TRANSITION
SCALE: 1 1/2" = 1'-0"



03 FOUNDATION - LIVING QUARTERS WINDOW
SCALE: 1 1/2" = 1'-0"



02 FOUNDATION - APPARATUS BAY CMU
SCALE: 1 1/2" = 1'-0"



01 FOUNDATION - APPARATUS BAY
SCALE: 1 1/2" = 1'-0"

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

CHANDLER EDGE DREW PRATT — REGISTERED No. AR-19400008 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

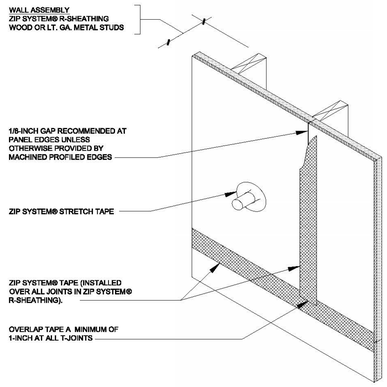
S NINEVEH ROAD
NINEVEH, IN 46164

SECTION DETAILS

A-310

Autodesk Docs://2025013 - Nineveh Twp FD Station 101 - ARB_v24.rvt
5/14/2026 5:22:28 PM

ZIP SYSTEM® R-SHEATHING AT TYPICAL ROUND PENETRATION — RP-4

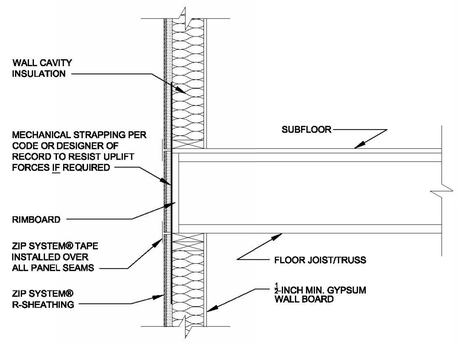


DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING - TYPICAL FLOOR TO FLOOR CONNECTION — RV-3

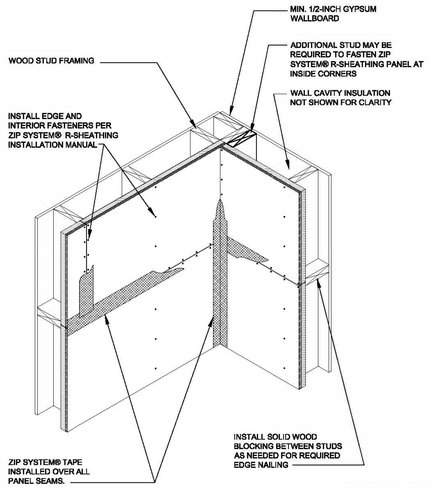


DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING AT INTERIOR CORNER — RP-2

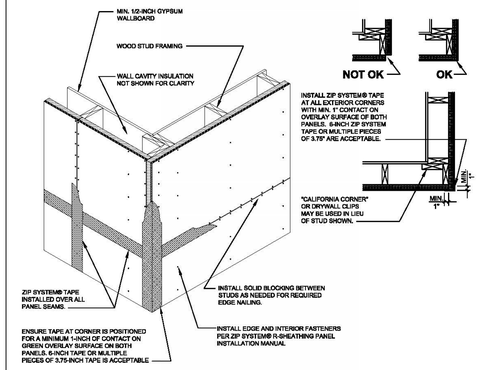


DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING AT EXTERIOR CORNER — RP-1

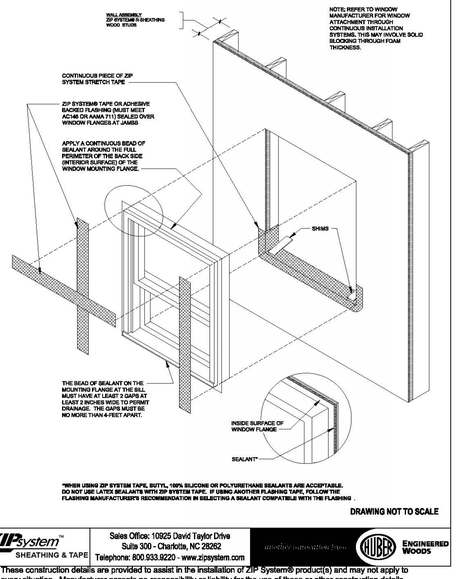


DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING - TYPICAL FLANGED WINDOW - OPTION A (1 OF 2) — RW-1



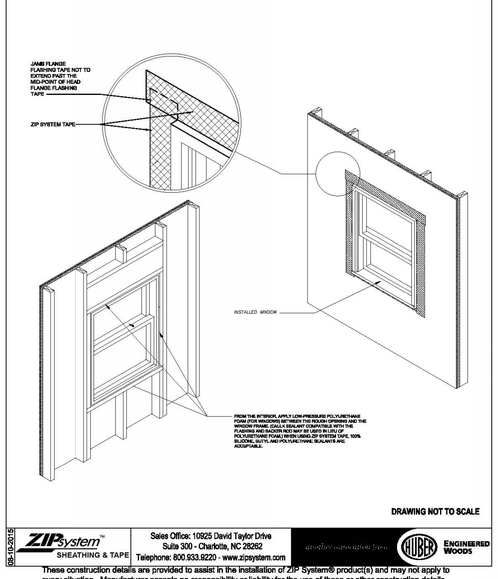
*WHEN USING ZIP SYSTEM TAPE, BUTYL, 100% SILICONE OR POLYURETHANE SEALANTS ARE ACCEPTABLE. DO NOT USE LATEX SEALANTS WITH ZIP SYSTEM TAPE. IF USING ANOTHER FLASHING TAPE, FOLLOW THE FLASHING MANUFACTURER'S RECOMMENDATION IN SELECTING A SEALANT COMPATIBLE WITH THE FLASHING .

DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING - TYPICAL FLANGED WINDOW - OPTION A (2 OF 2) — RW-1

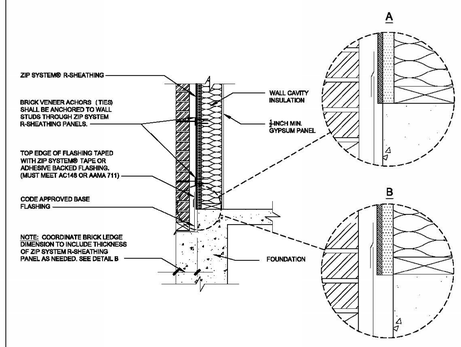


DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING WITH BRICK AT TYPICAL SILL PLATE AT SLAB FOUNDATION — RB-2

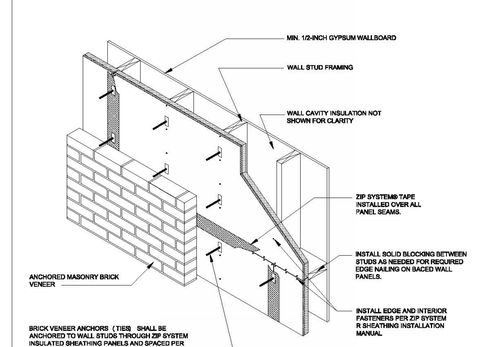


DRAWING NOT TO SCALE

08-10-2015 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

ZIP SYSTEM® R-SHEATHING - WALL SECTION W/ BRICK VENEER — RB-3



DRAWING NOT TO SCALE

04-14-2016 | ZIPSystem™ SHEATHING & TAPE | Sales Office: 10925 David Taylor Drive Suite 300 - Charlotte, NC 28262 Telephone: 800.933.9220 - www.zipsystem.com | HUBER ENGINEERED WOODS

These construction details are provided to assist in the installation of ZIP System® product(s) and may not apply to every situation. Manufacturer accepts no responsibility or liability for the use of these or other construction details.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

BRANDON JOE DREW WHITE — REGISTERED — No. AR-19400068 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

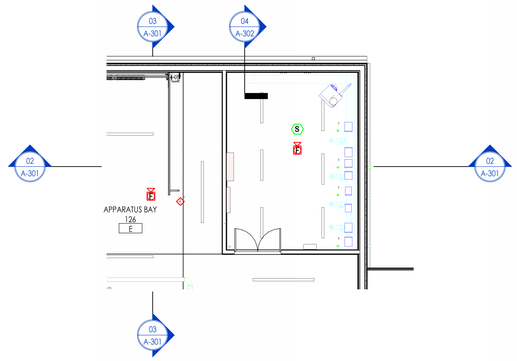
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

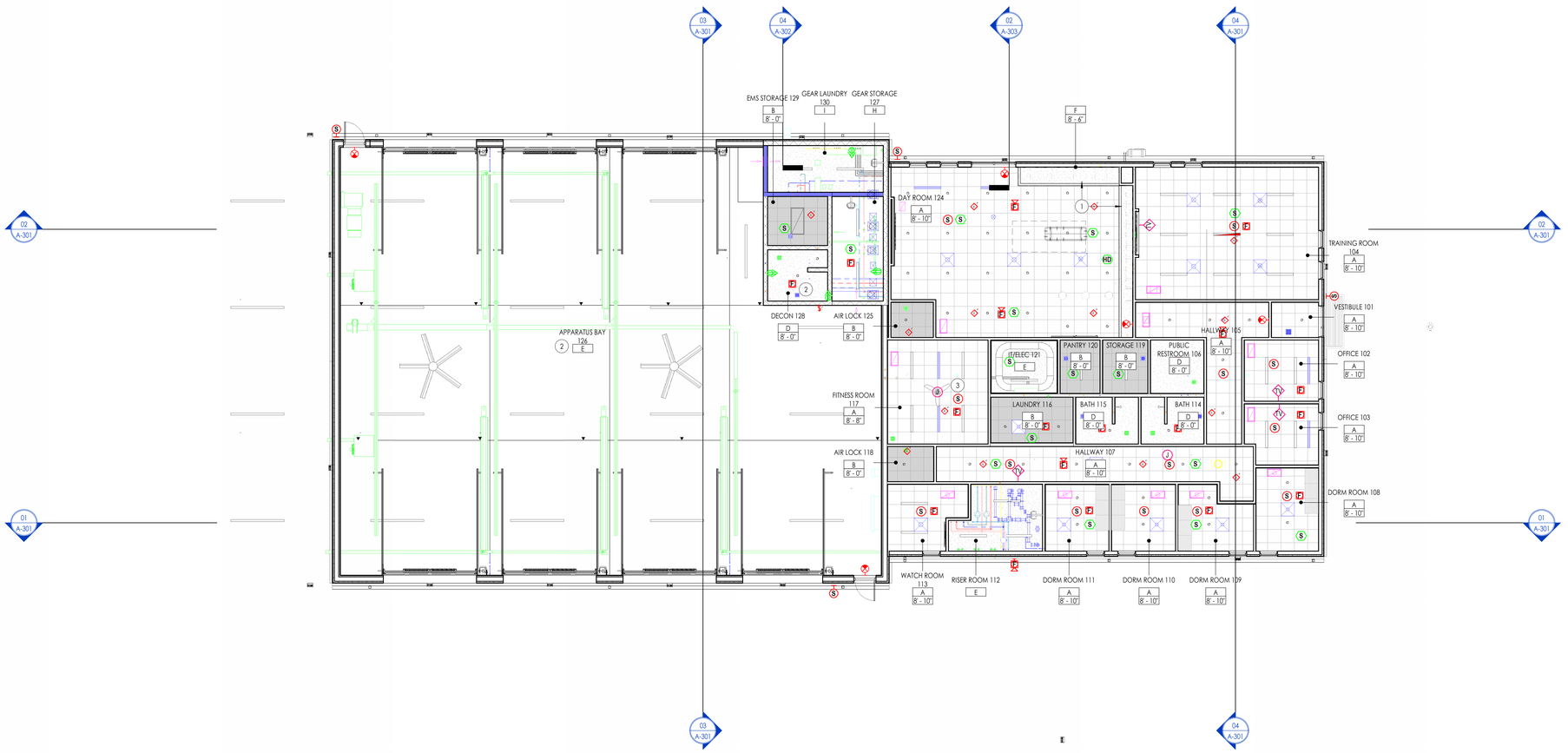
TYPICAL ZIP SHEATHING AND WINDOW INSTALLATION DETAILS

A-320

5/14/2026 5:21:20 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101 - ARS_r26.rvt



02 MEZZANINE REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



01 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

GENERAL CEILING PLAN NOTES

A. REFER TO CEILING PLAN FOR ALL CEILING HEIGHTS.

B. ALL GRIDS ARE CENTERED IN ROOMS EACH DIRECTION UNLESS NOTED OTHERWISE.

C. LOCATE CEILING GRIDS WITHIN ROOMS SUCH THAT BORDERS CONTAIN NOT LESS THAN 1/2 TILE WIDTH, UNLESS OTHERWISE INDICATED.

D. CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITHIN INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, LIGHT FIXTURES, ETC., UNLESS OTHERWISE INDICATED.

E. PAINT ALL EXPOSED GYPSUM WALLBOARD SURFACES UNLESS NOTED OTHERWISE. REFER TO FINISH PLAN FOR COLORS.

F. ALL EXPOSED DUCTWORK, PIPING, CONDUITS ETC. SHALL BE PAINTED. COLOR TO MATCH CEILING OR EXPOSED STRUCTURE UNLESS OTHERWISE NOTED.

G. PROVIDE CONTROL JOINTS IN GYPSUM WALLBOARD CEILINGS AT 20' MAXIMUM. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

H. COORDINATE REFLECTED CEILING PLAN WITH MECHANICAL, PLUMBING, ELECTRICAL, AND LIFE SAFETY PLANS. PROVIDE COORDINATION DRAWINGS FOR REVIEW PRIOR TO CEILING INSTALLATION.

I. LIGHT FIXTURES, SPRINKLER HEADS, HVAC SUPPLY AND RETURN GRILLES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

J. PROVIDE ACOUSTICAL CEILING HOLD-DOWN CLIPS IN VESTIBULES. IN ROOMS WITH EXTERIOR ENTRANCE DOORS PROVIDE HOLD-DOWN CLIPS FOR 10' IN ALL DIRECTION OF DOORWAY.

K. CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

CEILING LEGEND

2x2 LAY-IN CEILING GRID

GYPSUM BOARD CEILING OR GYPSUM BOARD BULKHEAD

CEILING TAG

I — CEILING TYPE
1' - 0" — CEILING HEIGHT

CEILING TYPES

TYPE	DESCRIPTION
A	ACOUSTICAL PANEL TYPE A IN GRID TYPE A. 24" X 24" ACOUSTICAL CEILING TO BE ARMSTRONG OPTIMA 3355 SQUARE TEGULAR INSTALLED IN 9/16" SILHOUETTE XL BOLT SLOT 1/8" REVEAL SUSPENSION GRID.
B	ACOUSTICAL PANEL TYPE B IN GRID TYPE B. 24" X 24" ACOUSTICAL CEILING TO BE GOLD BOND GRIDSTONE INSTALLED IN 15/16" SUSPENSION GRID.
D	GYPSUM WALLBOARD CEILING ON GRID SUSPENSION SYSTEM. REFER TO FINISH PLAN FOR PAINTING.
E	GYPSUM WALLBOARD CEILING ON ⅝" RESILIENT CHANNELS TO BE ATTACHED TO THE BOTTOM OF TRUSSES. REFER TO FINISH PLAN FOR PAINTING.
F	GYPSUM WALLBOARD BULKHEAD ON 3 5/8" INTERIOR METAL FRAMING. RETURN FACE OF DRYWALL TO CEILING OR STRUCTURE ABOVE. REFER TO FINISH PLANS FOR PAINTING.
H	NO CEILING IN THIS ROOM - PAINTED EXPOSED STRUCTURE AND MEP EQUIPMENT. REFER TO FINISH PLANS FOR FINISH REQUIREMENTS.
I	1-HR RATED CEILING: (2) LAYERS OF 5/8" GYPSUM WALLBOARD CEILING ON ⅝" RESILIENT CHANNELS TO BE ATTACHED TO THE BOTTOM OF WOOD JOISTS. REFER TO FINISH PLAN FOR PAINTING.

REFLECTED CEILING KEYNOTES

1 PROVIDE 3-5/8" 20 GA. METAL STUD FRAMING AND 5/8" TYPE 'X' GYPSUM BOARD BULKHEAD.
2 CEILING IN THIS SPACE TO BE P6
3 COORDINATE THE MECHANICAL DUCTWORK AND LIGHTING FIXTURES IN THIS ROOM. REFER TO MEP DRAWINGS FOR EXACT LOCATIONS.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

BRANDON DOE DREW WHITE — REGISTERED NO. AR-19400068 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

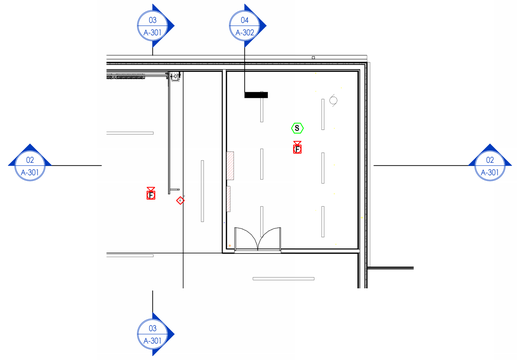
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR REFLECTED CEILING PLAN

A-401

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARR_r26.rvt
5/14/2026 5:27:16 PM



02 MEZZANINE REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

01 FIRST FLOOR LIGHTING REFERENCE CEILING PLAN
SCALE: 1/8" = 1'-0"

GENERAL CEILING PLAN NOTES

A. REFER TO CEILING PLAN FOR ALL CEILING HEIGHTS.

B. ALL GRIDS ARE CENTERED IN ROOMS EACH DIRECTION UNLESS NOTED OTHERWISE.

C. LOCATE CEILING GRIDS WITHIN ROOMS SUCH THAT BORDERS CONTAIN NOT LESS THAN 1/2 TILE WIDTH, UNLESS OTHERWISE INDICATED.

D. CENTER PENETRATIONS IN ACOUSTICAL CEILING SYSTEMS WITHIN INDIVIDUAL CEILING PANELS, SUCH AS SPRINKLER HEADS, DIFFUSERS, LIGHT FIXTURES, ETC., UNLESS OTHERWISE INDICATED.

E. PAINT ALL EXPOSED GYPSUM WALLBOARD SURFACES UNLESS NOTED OTHERWISE. REFER TO FINISH PLAN FOR COLORS.

F. ALL EXPOSED DUCTWORK, PIPING, CONDUITS ETC. SHALL BE PAINTED. COLOR TO MATCH CEILING OR EXPOSED STRUCTURE UNLESS OTHERWISE NOTED.

G. PROVIDE CONTROL JOINTS IN GYPSUM WALLBOARD CEILINGS AT 20' MAXIMUM. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

H. COORDINATE REFLECTED CEILING PLAN WITH MECHANICAL, PLUMBING, ELECTRICAL, AND LIFE SAFETY PLANS. PROVIDE COORDINATION DRAWINGS FOR REVIEW PRIOR TO CEILING INSTALLATION.

I. LIGHT FIXTURES, SPRINKLER HEADS, HVAC SUPPLY AND RETURN GRILLES ARE SHOWN FOR LOCATION ONLY. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

J. PROVIDE ACOUSTICAL CEILING HOLD-DOWN CLIPS IN VESTIBULES. IN ROOMS WITH EXTERIOR ENTRANCE DOORS PROVIDE HOLD-DOWN CLIPS FOR 10' IN ALL DIRECTION OF DOORWAY.

K. CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

CEILING LEGEND

2x2 LAY-IN CEILING GRID

GYPSUM BOARD CEILING OR GYPSUM BOARD BULKHEAD

CEILING TAG

1
1' - 0"

1 — CEILING TYPE
1' - 0" — CEILING HEIGHT

CEILING TYPES

TYPE	DESCRIPTION
A	ACOUSTICAL PANEL TYPE A IN GRID TYPE A. 24" X 24" ACOUSTICAL CEILING TO BE ARMSTRONG OPTIMA 3355 SQUARE TEGULAR INSTALLED IN 9/16" SILHOUETTE XL BOLT SLOT 1/8" REVEAL SUSPENSION GRID.
B	ACOUSTICAL PANEL TYPE B IN GRID TYPE B. 24" X 24" ACOUSTICAL CEILING TO BE GOLD BOND GRIDSTONE INSTALLED IN 15/16" SUSPENSION GRID.
D	GYPSUM WALLBOARD CEILING ON GRID SUSPENSION SYSTEM. REFER TO FINISH PLAN FOR PAINTING.
E	GYPSUM WALLBOARD CEILING ON ⅞" RESILIENT CHANNELS TO BE ATTACHED TO THE BOTTOM OF TRUSSES. REFER TO FINISH PLAN FOR PAINTING.
F	GYPSUM WALLBOARD BULKHEAD ON 3 5/8" INTERIOR METAL FRAMING. RETURN FACE OF DRYWALL TO CEILING OR STRUCTURE ABOVE. REFER TO FINISH PLANS FOR PAINTING.
H	NO CEILING IN THIS ROOM - PAINTED EXPOSED STRUCTURE AND MEP EQUIPMENT. REFER TO FINISH PLANS FOR FINISH REQUIREMENTS.
I	1-HR RATED CEILING: (2) LAYERS OF 5/8" GYPSUM WALLBOARD CEILING ON ⅞" RESILIENT CHANNELS TO BE ATTACHED TO THE BOTTOM OF WOOD JOISTS. REFER TO FINISH PLAN FOR PAINTING.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

BRANDON DOE DREW WHITE — REGISTERED NO. AR-19400068 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR LIGHTING REFERENCE PLAN

A-401L

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARR_r26.rvt
5/14/2026 5:27:41 PM

DOOR SCHEDULE

OPENING #	ROOM NAME	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR ELEVATION	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME ELEVATION	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	HDWR SET	ACCESS CONTROL	REMARKS
FIRST FLOOR																		
101	VESTIBULE	3' - 0"	7' - 0"	1 3/4"	D1	AL	ANO	IGL-1	S1 / A-505	AL	ANO	H2	J2		-	2.0	No	1
101A	VESTIBULE	3' - 0"	7' - 0"	1 3/4"	D1	SCW	PRE	GL-1	F4	HM	PT	H2	J2		-	6.0	Yes	2
102	OFFICE	3' - 0"	7' - 0"	1 3/4"	D1	SCW	PRE	GL-1	F3	HM	PT	H2	J2		-	12.0	No	
103	OFFICE	3' - 0"	7' - 0"	1 3/4"	D1	SCW	PRE	GL-1	F3	HM	PT	H2	J2		-	12.0	No	
104	TRAINING ROOM	3' - 0"	7' - 0"	1 3/4"	D1	SCW	PRE	GL-1	F3	HM	PT	H2	J2		-	16.0	No	
105	HALLWAY	3' - 0"	7' - 0"	1 3/4"	D5	SCW	PRE	GL-1	F1	HM	PT	H2	J2		-	18.0	No	
105A	HALLWAY	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	17.0	No	
106	PUBLIC RESTROOM	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	15.0	No	
108	DORM ROOM	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	13.0	No	
109	DORM ROOM	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	13.0	No	
110	DORM ROOM	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	14.0	No	
111	HALLWAY	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	14.0	No	
112	RISER ROOM	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	9.0	No	
113	WATCH ROOM	3' - 0"	7' - 0"	1 3/4"	D5	SCW	PRE	GL-1	F1	HM	PT	H2	J2		-	12.0	No	
113A	WATCH ROOM	4' - 0"	4' - 0"	0"	--	--	PT	GL-1	F5	HM	PT				-	22.0	No	
113E	FITNESS ROOM	4' - 0"	4' - 0"	0"	--	--	PT	GL-1	F5	HM	PT				-	22.0	No	
114	BATH	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	15.0	No	
115	BATH	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	15.0	No	
116	LAUNDRY	3' - 0"	7' - 0"	1 3/4"	D4	SCW	PRE	GL-1	F1	HM	PT	H2	J2		-	17.0	No	
117	FITNESS ROOM	3' - 0"	7' - 0"	1 3/4"	D1	SCW	PRE	GL-1	F1	HM	PT	H2	J2		-	17.0	No	
118	AIR LOCK	3' - 0"	7' - 0"	1 3/4"	D5	SCW	PRE	GL-1	F1	HM	PT	H2	J2		-	7.0	No	
118A	AIR LOCK	3' - 0"	7' - 0"	1 3/4"	D4	HM	PT	GL-1	F2	HM	PT	H2	J2		-	4.0	No	
119	STORAGE	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	9.0	No	
120	PANTRY	3' - 2"	7' - 0"	1 3/4"	D7	SCW		--	--	--	PT	H2	J2		-	20.0	No	
121	ELEC	3' - 0"	7' - 0"	1 3/4"	D2	SCW	PRE	--	F1	HM	PT	H2	J2		-	9.0	No	
123	KITCHEN/ DINING	3' - 0"	7' - 0"	1 3/4"	D1	AL	ANO	IGL-1	S2 / A-505	AL	ANO	H2	J2		-	1.0	Yes	1, 2
125	AIR LOCK	3' - 0"	7' - 0"	1 3/4"	D5	SCW	PRE	GL-1	F1	HM	PT	H2	J2		-	7.0	No	
125A	AIR LOCK	3' - 0"	7' - 0"	1 3/4"	D4	HM	PT	GL-1	F2	HM	PT	H2	J2		-	4.0	No	
126	APPARATUS BAY	3' - 0"	7' - 8"	1 3/4"	D2	HM	PT	--	F2	HM	PT	H3	J3		-	3.0	Yes	2
126A	APPARATUS BAY	12' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21	No	
126B	APPARATUS BAY	14' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21.0	No	
126C	APPARATUS BAY	14' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21.0	Yes	
126D	APPARATUS BAY	14' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21.0	No	
126E	APPARATUS BAY	3' - 0"	7' - 8"	1 3/4"	D2	HM	PT	--	F2	HM	PT	H3	J3		-	3.0	Yes	2
126F	APPARATUS BAY	14' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21.0	No	
126G	APPARATUS BAY	14' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21.0	No	
126H	APPARATUS BAY	14' - 0"	14' - 0"	2"	D8	IMP	PRE	IGL-1	--	STL	PT	H2	-		-	21.0	No	
127	GEAR STORAGE	3' - 0"	7' - 0"	1 3/4"	D4	HM	PT	GL-1	F2	HM	PT	H1	J1		-	5.0	No	
128	DECON	3' - 0"	7' - 0"	1 3/4"	D2	HM	PT	--	F2	HM	PT	H1	J1		-	15.1	No	
129	EMS STORAGE	3' - 0"	7' - 0"	1 3/4"	D2	HM	PT	--	F2	HM	PT	H1	J1		-	11.0	No	
130	GEAR LAUNDRY	3' - 0"	7' - 0"	1 3/4"	D4	HM	PT	GL-1	F2	HM	PT	H1	J1		45 MIN.	19.0	No	
MEZZANINE																		
201A	MECHANICAL	3' - 0"	7' - 0"	1 3/4"	D2	HM	PT	--	F1	HM	PT	H2	J2		-	5.0	No	
201B	MECHANICAL	6' - 0"	7' - 0"	1 3/4"	D3	HM	PT	--	F2	HM	PT	H2	J2		-	8.0	No	3

GENERAL DOOR NOTES

A. REFER TO THE PROJECT MANUAL FOR DOOR HARDWARE SETS.

B. ALL HOLLOW METAL DOORS AND FRAMES TO RECEIVE 3-COAT PAINT SYSTEM - PRIME, INTERMEDIATE AND FINISH COATS. REFER TO PAINTING SPECIFICATION. REFER TO FINISH PLAN AND EXTERIOR ELEVATIONS FOR COLOR. REFER TO THE PROJECT MANUAL FOR THE GLAZING SCHEDULE.

C. REFER TO A-501 FOR GLAZING SCHEDULE.

DOOR & FRAME MATERIAL ABBREVIATIONS

MATERIALS:
HM = HOLLOW METAL
IHM = INSULATED HOLLOW METAL
SCW = SOLID CORE WOOD
AL = ALUMINUM
STL = STEEL, GALVANIZED
IMP = INSULATED METAL PANEL

FINISHES:
ANO = ANODIZED
PRE = FACTORY PREFINISHED
PT = PAINTED

DOOR SCHEDULE REMARKS

1. DOOR IS INSTALLED IN A THERMALLY BROKEN ALUMINUM STOREFRONT SYSTEM. REFER EXTERIOR ELEVATIONS AND FRAME ELEVATIONS.
2. DOOR TO RECEIVE KEYPAD ACCESS CONTROL.
3. PROVIDE SIGNAGE INDICATING DIRECT DROP / NO SURFACE ON EXTERIOR SIDE. REFER TO A-901 AND COORDINATE WITH THE GC AND OWNER. PROVIDE A CHAIN ON THE EXTERIOR SIDE OF DOOR.

GLAZING SCHEDULE

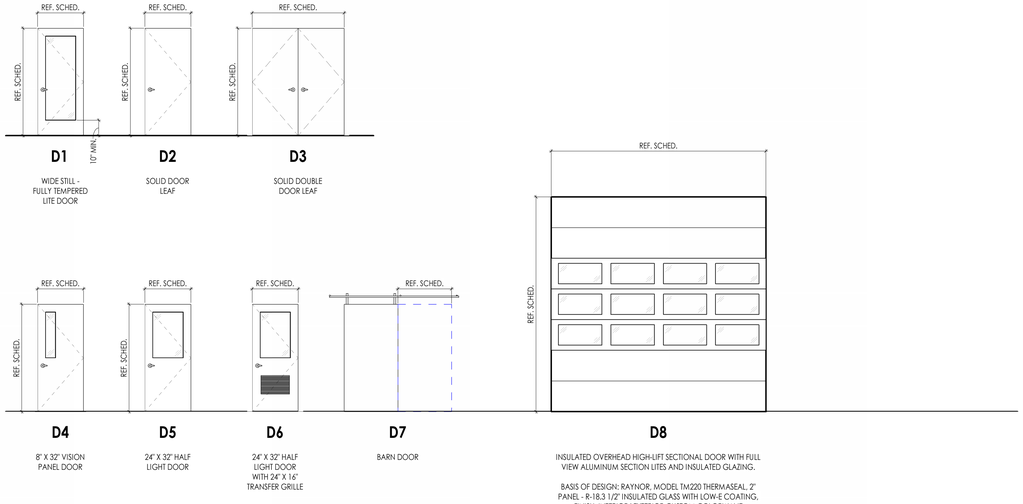
GL-1 1/4" FULLY TEMPERED CLEAR FLOAT GLASS

IGL-1 1" CLEAR INSULATING GLASS WITH LOW-E COATING, FULLY TEMPERED
BASIS OF DESIGN: VIRACON LOW-E VNE1-63
LOCATION: EXTERIOR STOREFRONT SYSTEM

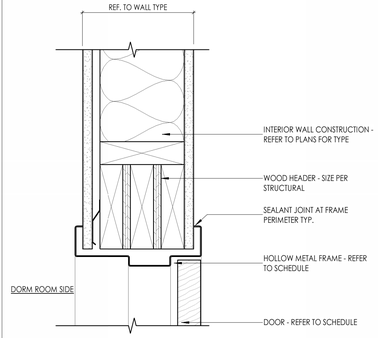
IGL-2 1" CLEAR INSULATING GLASS WITH LOW-E COATING, FULLY TEMPERED
BASIS OF DESIGN: PELLA ADVANCED LOW-E IG
LOCATION: ALUMINUM-CLAD WOOD WINDOWS

**REFER TO PROJECT MANUAL FOR COMPLETE GLAZING SPECIFICATION.

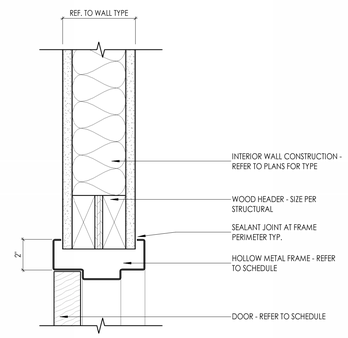
**CONTRACTOR TO PROVIDE FULLY TEMPERED LITES IN ALL LOCATIONS REQUIRED BY CODE INCLUDING BATHROOMS AND WITHIN 30" OF FLOOR



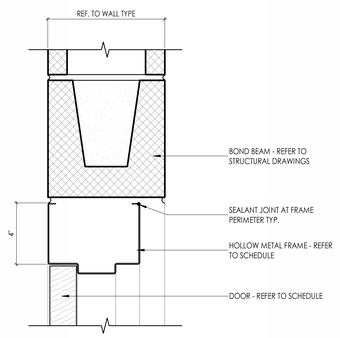
DOOR TYPES
SCALE: 1/4" = 1'-0"



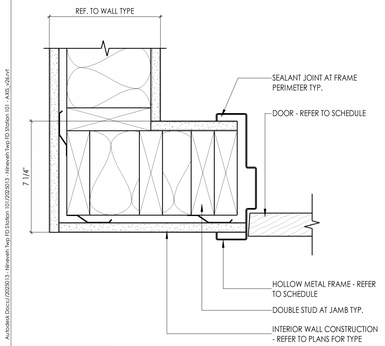
H3 HEAD DETAIL
SCALE: 3" = 1'-0"



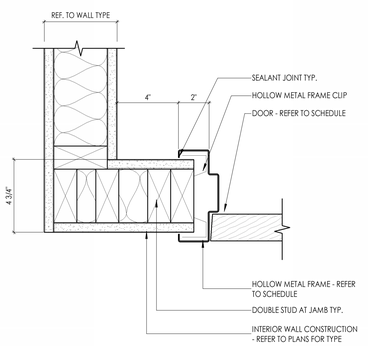
H2 HEAD DETAIL
SCALE: 3" = 1'-0"



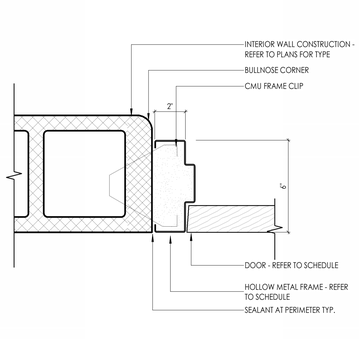
H1 HEAD DETAIL
SCALE: 3" = 1'-0"



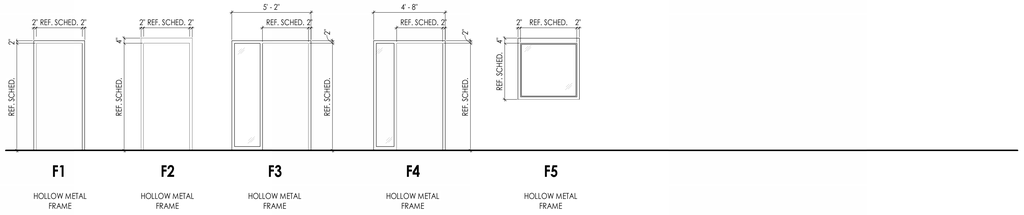
J3 JAMB DETAIL
SCALE: 3" = 1'-0"



J2 JAMB DETAIL
SCALE: 3" = 1'-0"



J1 JAMB DETAIL
SCALE: 3" = 1'-0"



DOOR FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

DANDRIDGE DREW WHITE
REGISTERED
No AR-19400081
STATE OF
INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

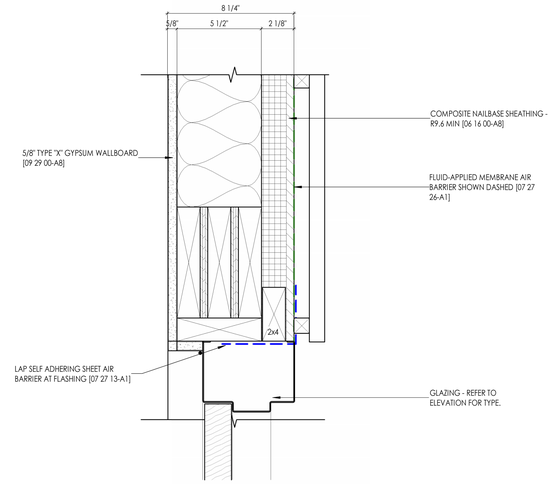
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

DOOR SCHEDULE

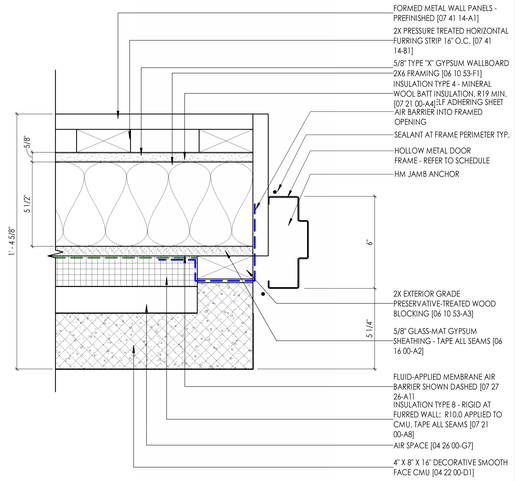
A-501

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARCH_v24.rvt
5/14/2026 5:25:43 PM



03 HM DOOR - FORMED METAL/STUD HEAD

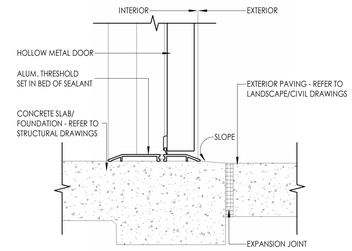
SCALE: 3" = 1'-0"



TYPICAL DETAIL

02 HM DOOR - CMU/STUD JAMB

SCALE: 3" = 1'-0"



TYPICAL DETAIL

01 HM DOOR - SILL

SCALE: 3" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

ANDREW DREW WHITE — REGISTERED No. AR-19400081 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER:	2025013
DRAWN: AUTHOR	CHECKED: CHECKER
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

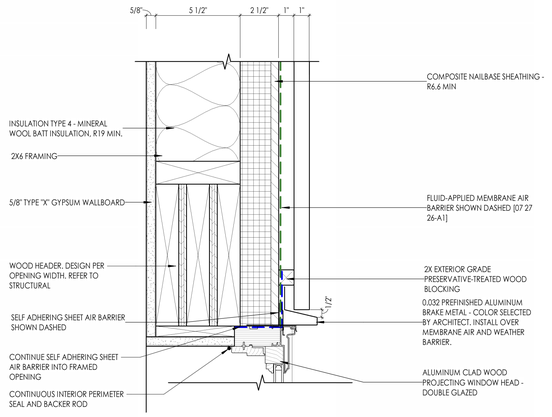
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

EXTERIOR DOOR DETAILS

A-503

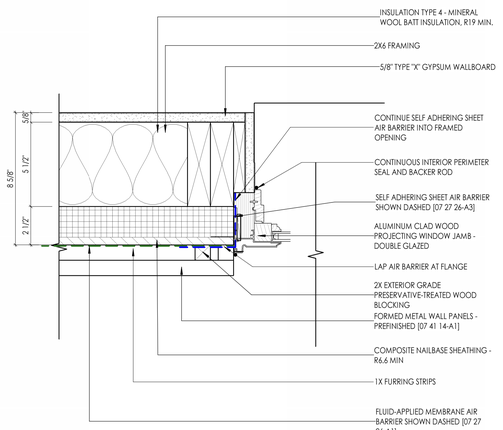
01/14/2026 4:21:47 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_26.rvt



TYPICAL DETAIL

05 WINDOW - HEAD DETAIL SIDING/WOOD

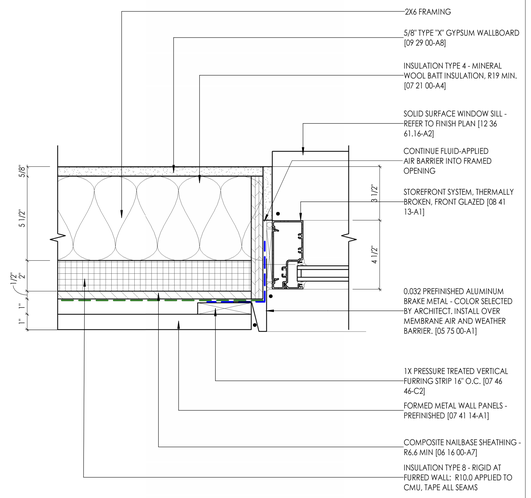
SCALE: 3" = 1'-0"



TYPICAL DETAIL

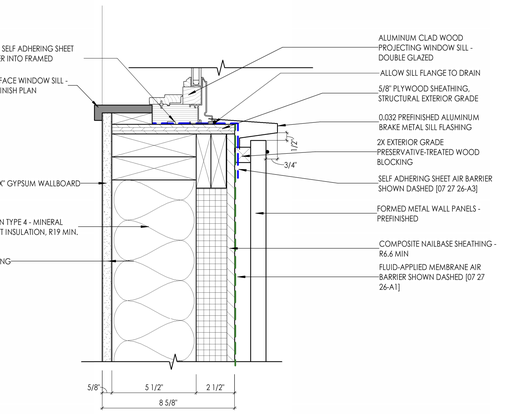
04 WINDOW - JAMB DETAIL WOOD / STUD

SCALE: 3" = 1'-0"



02 STOREFRONT EXTERIOR - JAMB DETAIL METAL PANEL/STUD

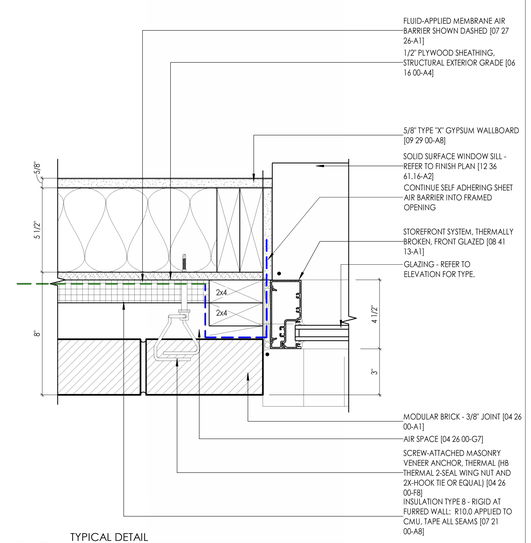
SCALE: 3" = 1'-0"



TYPICAL DETAIL

03 WINDOW - SILL DETAIL WOOD / STUD

SCALE: 3" = 1'-0"



TYPICAL DETAIL

01 STOREFRONT EXTERIOR - JAMB DETAIL BLOCK/STUD

SCALE: 3" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

STANDARD DOE DREW WHITE REGISTERED No AR-19400008 STATE OF INDIANA ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

WINDOW, STOREFRONT AND EXTERIOR DOOR DETAILS

A-504

5/14/2026 5:21:47 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARS_r26.rvt

GENERAL WINDOW & STOREFRONT NOTES

A. REFER TO WALL SECTIONS AND PLAN DETAILS AND WINDOW DETAILS FOR FULL SCOPE OF WINDOWS AND STOREFRONTS.

B. REFER TO PLAN DRAWINGS FOR WINDOW LOCATIONS.

C. REFER TO SPECIFICATIONS FOR FULL DESCRIPTION OF GLAZING TYPES. GLAZING LEGEND ON DRAWINGS IS ABBREVIATED.

D. COORDINATE WINDOW TYPE DRAWINGS AND ROUGH OPENINGS WITH WALL FRAMING DRAWINGS.

E. REFER TO STANDARD DETAILS FOR PROPER INSTALLATION.

F. STOREFRONTS DETAILED ON THIS SHEET ARE BASED ON KAWNEER TRI-FAB VG 451T UNLESS NOTED OTHERWISE.

GLAZING SCHEDULE

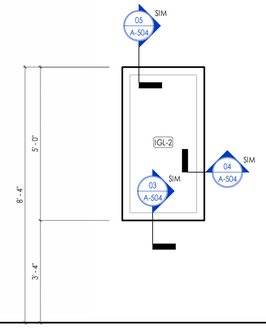
GL-1 1/4" FULLY TEMPERED CLEAR FLOAT GLASS

GL-1 1" CLEAR INSULATING GLASS WITH LOW-E COATING, FULLY TEMPERED
BASIS OF DESIGN: VIRACON LOW-E VNE1-63
LOCATION: EXTERIOR STOREFRONT SYSTEM

GL-2 1" CLEAR INSULATING GLASS WITH LOW-E COATING, FULLY TEMPERED
BASIS OF DESIGN: PELLA ADVANCED LOW-E SD
LOCATION: ALUMINUM-CLAD WOOD WINDOWS

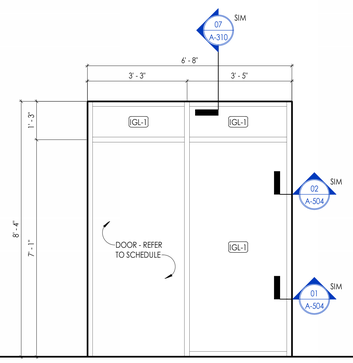
**REFER TO PROJECT MANUAL FOR COMPLETE GLAZING SPECIFICATION.

**CONTRACTOR TO PROVIDE FULLY TEMPERED LITES IN ALL LOCATIONS REQUIRED BY CODE INCLUDING BATHROOMS AND WITHIN 30" OF FLOOR



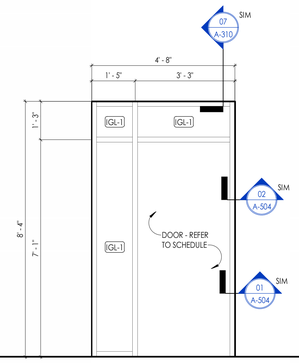
W1

FIXED ALUMINUM-CLAD WOOD WINDOW WITH BLACK ANODIZED FINISH. BASIS OF DESIGN: PELLA RESERVE WINDOW



S2

THERMALLY BROKEN BLACK ANODIZED ALUMINUM STOREFRONT SYSTEM. BASIS OF DESIGN: KAWNEER TRIFAB VersaGlaze 451T



S1

THERMALLY BROKEN BLACK ANODIZED ALUMINUM STOREFRONT SYSTEM. BASIS OF DESIGN: KAWNEER TRIFAB VersaGlaze 451T

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANNER DREW WHITE
REGISTERED
NO
AR-19400081
STATE OF
INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

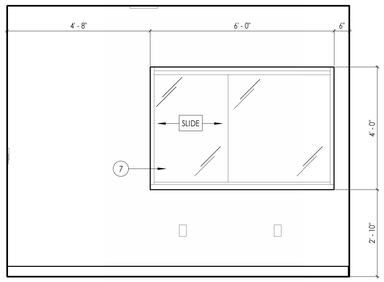
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

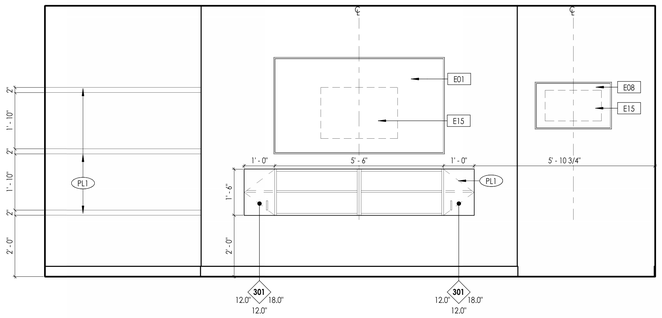
WINDOW AND STOREFRONT ELEVATIONS

A-505

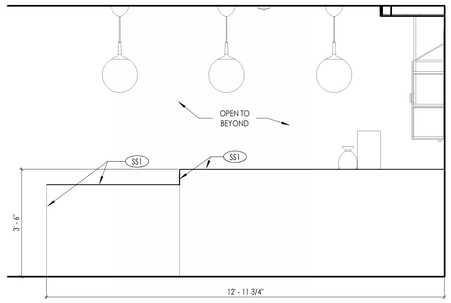
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_ASIS_26v.rvt
5/14/2026 5:21:50 PM



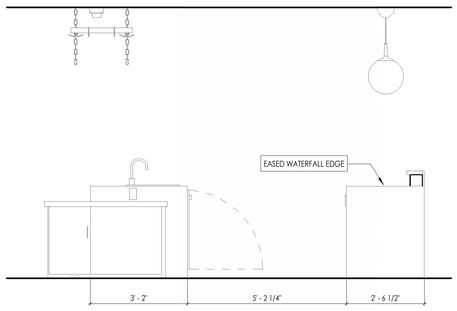
10 OFFICE 102 - PLAN NORTH
SCALE: 1/2" = 1'-0"



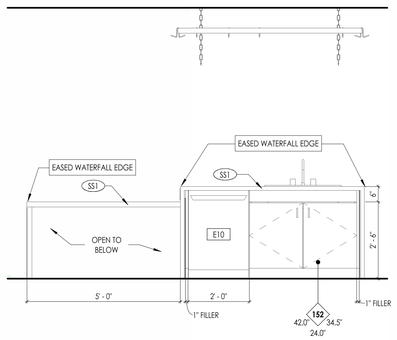
9 DAY ROOM 124 - PLAN WEST
SCALE: 1/2" = 1'-0"



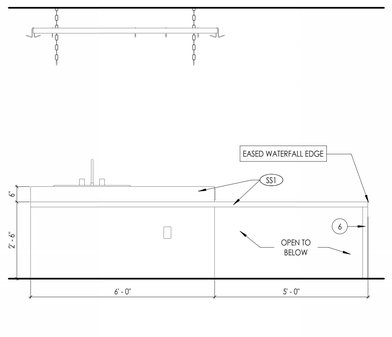
08 CORRIDOR 122/105 - PLAN NORTH
SCALE: 1/2" = 1'-0"



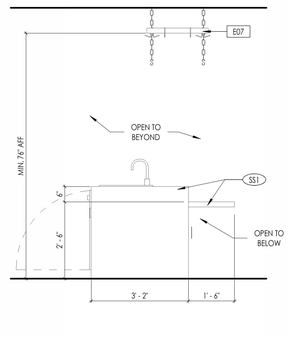
07 KITCHEN AND DINING 123 - PLAN WEST
SCALE: 1/2" = 1'-0"



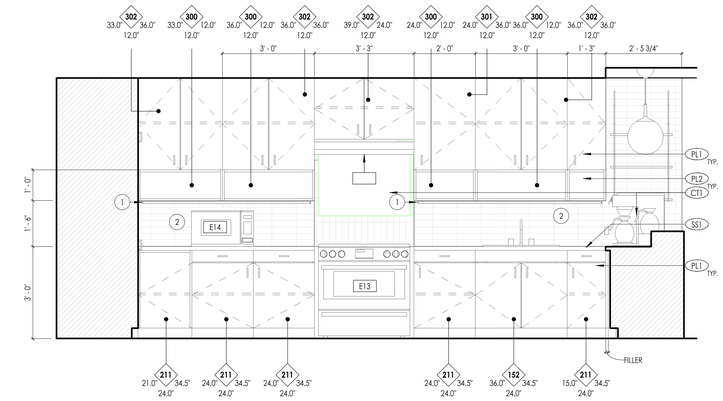
06 KITCHEN/DINING 123 - ISLAND BACK
SCALE: 1/2" = 1'-0"



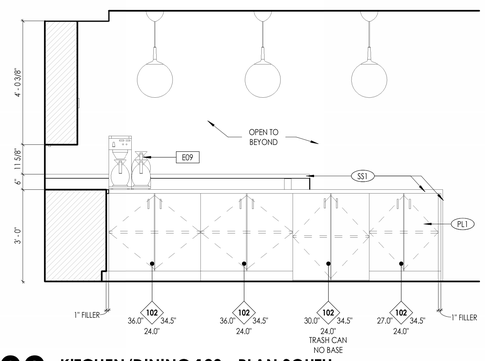
05 KITCHEN/DINING 123 - ISLAND FRONT
SCALE: 1/2" = 1'-0"



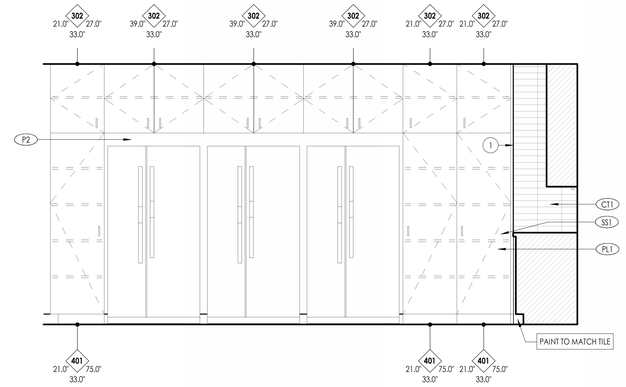
04 KITCHEN/DINING 123 - ISLAND SIDE
SCALE: 1/2" = 1'-0"



03 KITCHEN/DINING 123 - PLAN EAST
SCALE: 1/2" = 1'-0"



02 KITCHEN/DINING 123 - PLAN SOUTH
SCALE: 1/2" = 1'-0"



01 KITCHEN/DINING 123 - PLAN NORTH
SCALE: 1/2" = 1'-0"

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.

C. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

D. PROVIDE INTERIOR FINISH SAMPLE SUBMITTALS FOR ALL FINISH ITEMS FOR INTERIOR DESIGN APPROVAL PRIOR TO INSTALLATION.

E. ***ALL WINDOW SILLS TO BE SOLID SURFACE SS1 WITH 1" BUILT-UP FRONT EDGE.***

F. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN KITCHENS, AND ALL WALLS AND CEILINGS IN BATHROOMS AND JANITOR CLOSETS.

G. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES.

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.

B. ***PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. PX UNLESS NOTED OTHERWISE.***

FLOORING:

A. LEVEL ALL FLOORS IN ACCORDANCE WITH FLOORING FINISH MANUFACTURERS SPECIFICATIONS.

B. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.

C. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.

CEILING / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.

D. ALL WALL BASE TO BE (B1), UNLESS NOTED OTHERWISE.

E. ALL WALLS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE.

F. ***ALL DOORS TO BE PAINTED SEMI-GLOSS, (P1). OR IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS TO MATCH ADJACENT WALL FINISH. REFER TO FINISH PLAN AND DOOR SCHEDULE.***

G. ***DOOR TRIM TO BE PAINTED SEMI-GLOSS, (P1).***

H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.

I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

MILLWORK LEGEND

A. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS AND CEILINGS.

B. PROVIDE FILLERS AS REQUIRED. FILLERS ARE TO MACH MILLWORK ADJACENT.

C. MILLWORK IS BASED ON AWI ARCHITECTURAL WOODWORK STANDARDS 2009 EDITION.

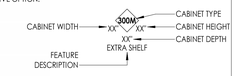
D. DESIGN DRAWINGS ARE BASED ON CDS (CABINET DESIGN SERIES) NUMBERS. REFER TO CABINET TAG BELOW FOR DESCRIPTION.

E. REFER TO TYPICAL CASEWORK DETAILS ON THIS SHEET FOR PROJECT SPECIFIC CONSTRUCTION REQUIREMENTS. THESE MAY BE DEVIATIONS FROM AWI STANDARD.

F. REFER TO PROJECT MANUAL/SPECIFICATIONS FOR ADDITIONAL INFORMATION ON PLASTIC LAMINATE AND STAINLESS STEEL CABINETS.

G. IF DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT, PROVIDE MORE STRICT OR MORE EXPENSIVE OPTION.

CABINET TAG



INTERIOR ELEVATION KEYNOTES

1 UNDERCABINET LIGHTING TO RUN THE FULL LENGTH OF UPPER CABINETS - REFER TO SECTION DETAIL AND MEP DWGS FOR MORE INFORMATION.
2 START AT TOP OF COUNTERTOP AND END BELOW START OF CASEWORK. CAP WITH SCHLUTER.
3 PAINTED WALL GRAPHIC '101' TO BE DONE WITH CLEAN, STRAIGHT SHARP LINES. FONT OF TEXT TBD.
4 TILE TO 5 AFF. WHEN USED AS BASE, INSTALL TILE TO 6" AFF. CAP WITH SCHLUTER; REFER TO SPEC.
5 IN-WALL COUNTERTOP BRACKETS; REFER TO SPEC.
6 U-SHAPED BENT METAL SUPPORT LEG. WITH BLACK POWDERCOAT FINISH; FINAL SPEC TO BE COORDINATED WITH MILLWORKER AND DESIGN TEAM.
7 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

DANIEL DREW WHITE
REGISTERED
NO
AR-19400068
STATE OF
INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

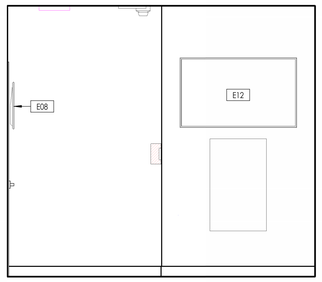
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

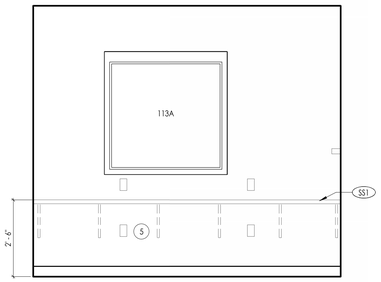
INTERIOR ELEVATIONS

A-601

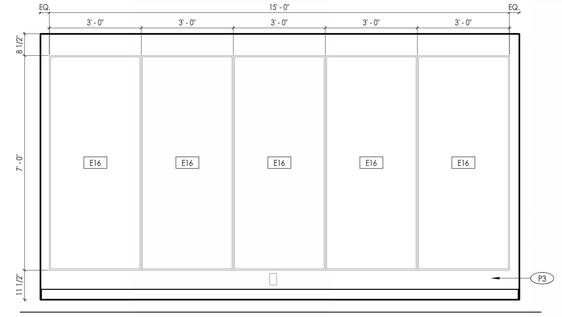
Autodesk Docs://25026101 - Nineveh Twp FD Station 101/25026101 - Nineveh Twp FD Station 101 - ASIS_25kv4
5/14/2026 5:21:56 PM



10 WATCH ROOM 113 - PLAN EAST
SCALE: 1/2" = 1'-0"



09 WATCH ROOM 113 - PLAN WEST
SCALE: 1/2" = 1'-0"

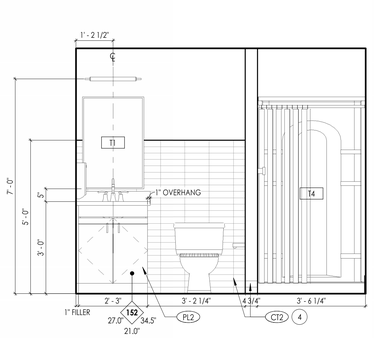


08 FITNESS ROOM - 117 - PLAN WEST
SCALE: 1/2" = 1'-0"

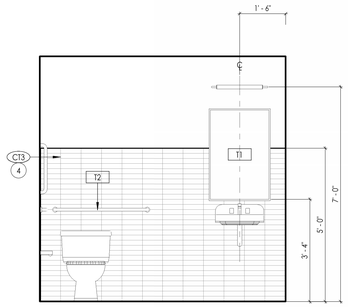
07 DORM ROOM LOCKERS - TYPICAL
SCALE: 1/2" = 1'-0"

06 LAUNDRY 116 - PLAN NORTH
SCALE: 1/2" = 1'-0"

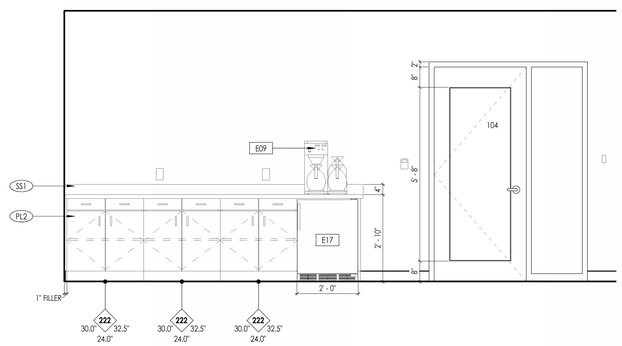
05 BATH 115 - PLAN EAST
SCALE: 1/2" = 1'-0"



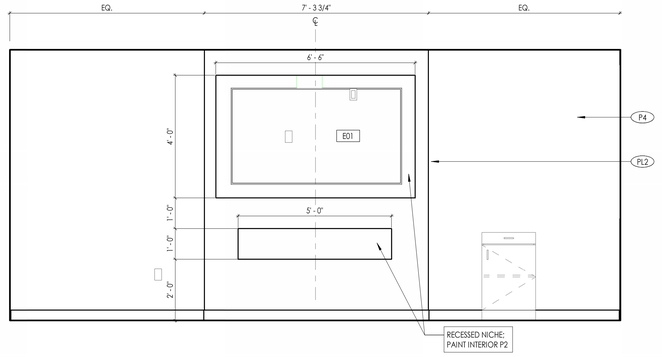
04 BATH 115 - PLAN NORTH
SCALE: 1/2" = 1'-0"



03 PUBLIC RESTROOM 106 - PLAN SOUTH
SCALE: 1/2" = 1'-0"



02 TRAINING ROOM 104 - PLAN SOUTH
SCALE: 1/2" = 1'-0"



01 TRAINING ROOM 104 - PLAN WEST
SCALE: 1/2" = 1'-0"

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.

C. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

D. PROVIDE INTERIOR FINISH SAMPLE SUBMITTALS FOR ALL FINISH ITEMS FOR INTERIOR DESIGN APPROVAL PRIOR TO INSTALLATION.

E. ***ALL WINDOW SILLS TO BE SOLID SURFACE SS1 WITH 1" BUILT-UP FRONT EDGE.***

F. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN KITCHENS, AND ALL WALLS AND CEILINGS IN BATHROOMS AND JANITOR CLOSETS.

G. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES.

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.

B. ***PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. PX UNLESS NOTED OTHERWISE.***

FLOORING:

A. LEVEL ALL FLOORS IN ACCORDANCE WITH FLOORING FINISH MANUFACTURERS SPECIFICATIONS.

B. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.

C. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.

CEILING / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.

D. ALL WALL BASE TO BE (B1), UNLESS NOTED OTHERWISE.

E. ALL WALLS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE.

F. ***ALL DOORS TO BE PAINTED SEMI-GLOSS, (P1). OR IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS TO MATCH ADJACENT WALL FINISH. REFER TO FINISH PLAN AND DOOR SCHEDULE.***

G. ***DOOR TRIM TO BE PAINTED SEMI-GLOSS, (P1).***

H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.

I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

MILLWORK LEGEND

A. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS AND CEILINGS.

B. PROVIDE FILLERS AS REQUIRED. FILLERS ARE TO MACH MILLWORK ADJACENT.

C. MILLWORK IS BASED ON AWI ARCHITECTURAL WOODWORK STANDARDS 2009 EDITION.

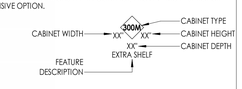
D. DESIGN DRAWINGS ARE BASED ON CDS (CABINET DESIGN SERIES) NUMBERS. REFER TO CABINET TAG BELOW FOR DESCRIPTION.

E. REFER TO TYPICAL CASEWORK DETAILS ON THIS SHEET FOR PROJECT SPECIFIC CONSTRUCTION REQUIREMENTS. THESE MAY BE DEVIATIONS FROM AWI STANDARD.

F. REFER TO PROJECT MANUAL/SPECIFICATIONS FOR ADDITIONAL INFORMATION ON PLASTIC LAMINATE AND STAINLESS STEEL CABINETS.

G. IF DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT, PROVIDE MORE STRICT OR MORE EXPENSIVE OPTION.

CABINET TAG



INTERIOR ELEVATION KEYNOTES

1 UNDERCABINET LIGHTING TO RUN THE FULL LENGTH OF UPPER CABINETS - REFER TO SECTION DETAIL AND MEP DWGS FOR MORE INFORMATION.

2 START AT TOP OF COUNTERTOP AND END BELOW START OF CASEWORK. CAP WITH SCHLUTER.

3 PAINTED WALL GRAPHIC '101' TO BE DONE WITH CLEAN, STRAIGHT SHARP LINES. FONT OF TEXT TBD.

4 TILE TO 5' AFF. WHEN USED AS BASE, INSTALL TILE TO 6" AFF. CAP WITH SCHLUTER; REFER TO SPEC.

5 IN-WALL COUNTERTOP BRACKETS; REFER TO SPEC.

6 U-SHAPED BENT METAL SUPPORT LEG WITH BLACK POWDERCOAT FINISH; FINAL SPEC TO BE COORDINATED WITH MILLWORKER AND DESIGN TEAM.

7 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQCh
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

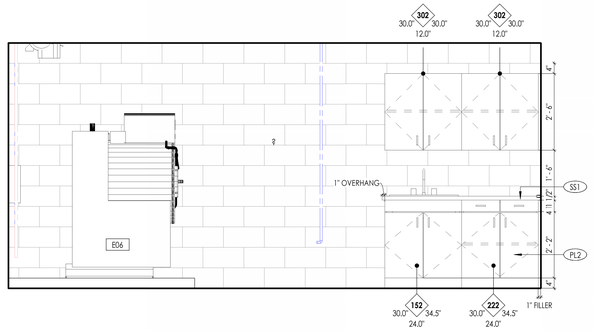
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

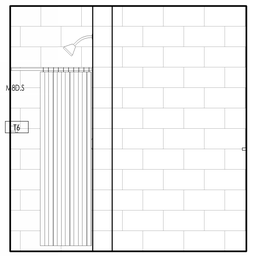
INTERIOR ELEVATIONS

A-602

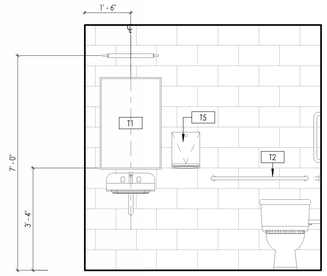
Autodesk Docs://2025013 - Nineveh Twp FD Station 101_AXIS_v24.rvt



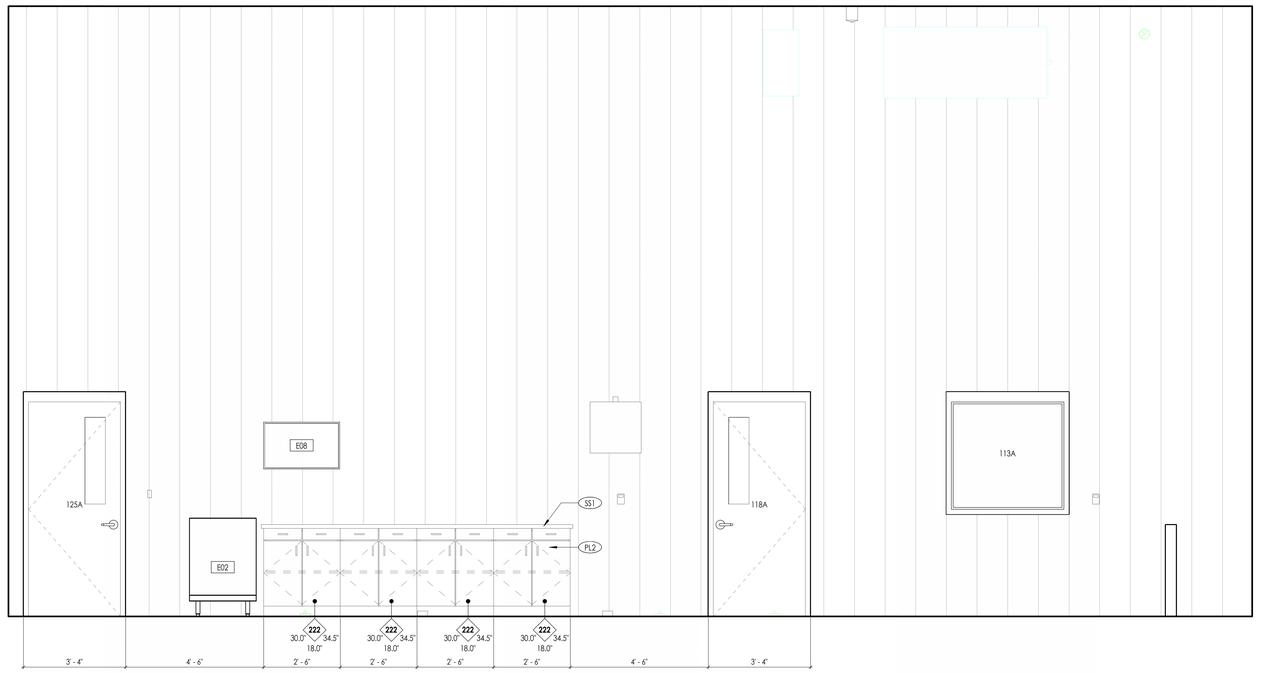
04 GEAR LAUNDRY 130 - PLAN SOUTH
SCALE: 1/2" = 1'-0"



03 DECON 128 - PLAN EAST
SCALE: 1/2" = 1'-0"



02 DECON 128 - PLAN WEST
SCALE: 1/2" = 1'-0"



01 APPARATUS BAY 126 - PLAN EAST
SCALE: 1/2" = 1'-0"

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.

C. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

D. PROVIDE INTERIOR FINISH SAMPLE SUBMITTALS FOR ALL FINISH ITEMS FOR INTERIOR DESIGN APPROVAL PRIOR TO INSTALLATION.

E. ***ALL WINDOW SILLS TO BE SOLID SURFACE SS1 WITH 1" BUILT-UP FRONT EDGE.***

F. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN KITCHENS, AND ALL WALLS AND CEILINGS IN BATHROOMS AND JANITOR CLOSETS.

G. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES.

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.

B. ***PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. PX UNLESS NOTED OTHERWISE.***

FLOORING:

A. LEVEL ALL FLOORS IN ACCORDANCE WITH FLOORING FINISH MANUFACTURERS SPECIFICATIONS.

B. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.

C. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.

CEILING / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.

D. ALL WALL BASE TO BE (B1), UNLESS NOTED OTHERWISE.

E. ALL WALLS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE.

F. ***ALL DOORS TO BE PAINTED SEMI-GLOSS, (P1). OR IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS TO MATCH ADJACENT WALL FINISH. REFER TO FINISH PLAN AND DOOR SCHEDULE.***

G. ***DOOR TRIM TO BE PAINTED SEMI-GLOSS, (P1).***

H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.

I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

MILLWORK LEGEND

A. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS AND CEILINGS.

B. PROVIDE FILLERS AS REQUIRED. FILLERS ARE TO MACH MILLWORK ADJACENT.

C. MILLWORK IS BASED ON AWI ARCHITECTURAL WOODWORK STANDARDS 2009 EDITION.

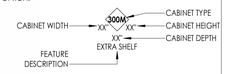
D. DESIGN DRAWINGS ARE BASED ON CDS (CABINET DESIGN SERIES) NUMBERS. REFER TO CABINET TAG BELOW FOR DESCRIPTION.

E. REFER TO TYPICAL CASEWORK DETAILS ON THIS SHEET FOR PROJECT SPECIFIC CONSTRUCTION REQUIREMENTS. THESE MAY BE DEVIATIONS FROM AWI STANDARD.

F. REFER TO PROJECT MANUAL/SPECIFICATIONS FOR ADDITIONAL INFORMATION ON PLASTIC LAMINATE AND STAINLESS STEEL CABINETS.

G. IF DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT, PROVIDE MORE STRICT OR MORE EXPENSIVE OPTION.

CABINET TAG



INTERIOR ELEVATION KEYNOTES

1 UNDERCABINET LIGHTING TO RUN THE FULL LENGTH OF UPPER CABINETS - REFER TO SECTION DETAIL AND MEP DWGS FOR MORE INFORMATION.
2 START AT TOP OF COUNTERTOP AND END BELOW START OF CASEWORK. CAP WITH SCHLUTER.
3 PAINTED WALL GRAPHIC '101' TO BE DONE WITH CLEAN, STRAIGHT SHARP LINES. FONT OF TEXT TBD.
4 TILE TO 5' AFF. WHEN USED AS BASE, INSTALL TILE TO 6" AFF. CAP WITH SCHLUTER: REFER TO SPEC.
5 IN-WALL COUNTERTOP BRACKETS: REFER TO SPEC.
6 U-SHAPED BENT METAL SUPPORT LEG WITH BLACK POWDERCOAT FINISH: FINAL SPEC TO BE COORDINATED WITH MILLWORKER AND DESIGN TEAM.
7 INTERIOR PASS-THRU WINDOW. OPENING TO BE 27" WIDE MINIMUM. BASIS OF DESIGN: C.R. LAURENCE SHARYN FRAMLESS PASS-THRU IN BLACK. FINISH: BLACK ANODIZED.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

INTERIOR ELEVATIONS

A-603

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARR_v26.rvt
3/14/2026 3:22:06 PM

FINISH LEGEND

FINISH MARK	FINISH LOCATION / TYPE	DESCRIPTION	MANUFACTURER	PATTERN / STYLE	COLOR	FINISH NOTES	REP CONTACT
CARPET							
CPT1	CARPET	CARPET TILE	SHAW CONTRACT	COMMUNITY COLLECTION / HEDDLE TILE 5T320	01585 HENNA	9 in x 36 in TILE: INSTALLATION: ASHLAR	
CERAMIC / PORCELAIN TILE							
CT1	CERAMIC / PORCELAIN TILE	CERAMIC TILE	NASCO STONE + TILE	FLATIRON / GLOSSY	NERO CR-FLT-NE-G	2IN X 9IN TILE: INSTALLATION: VARIES - REFER TO INTERIOR ELEVATIONS	
CT2	CERAMIC / PORCELAIN TILE	CERAMIC TILE	NASCO STONE + TILE	FLATIRON / GLOSSY	BIANCO CR-FLT-BI-G	2IN X 9IN TILE: INSTALLATION: VARIES - REFER TO INTERIOR ELEVATIONS	
CT3	CERAMIC / PORCELAIN TILE	CERAMIC TILE	RIAD TILE	CERAMIC TILE / GLOSSY	RED RED WINE	2IN X 8IN: INSTALLATION: STACKED	
GT1	CERAMIC / PORCELAIN TILE	GROUT				USE WITH CT1. SETTING MATERIALS AND GROUT TO BE BY SAME MFG.	
GT2	CERAMIC / PORCELAIN TILE	GROUT				USE WITH CT2. SETTING MATERIALS AND GROUT TO BE BY SAME MFG.	
GT3	CERAMIC / PORCELAIN TILE	GROUT				USE WITH CT3. SETTING MATERIALS AND GROUT TO BE BY SAME MFG.	
CONCRETE							
CONC1	CONCRETE	CONCRETE		LEVEL 3 POLISHED CONCRETE.	FINAL POLISH TO BE 800-GRIT DIAMOND ABRASIVE	PROVIDE HARDENER FOLLING INITIAL GRIDING.	
CONC2	CONCRETE	CONCRETE		WATER-BASED CLEAR CONCRETE SEALER SYSTEM.	SHERWIN WILLIAMS WET-LOOK SEALER		
MILLWORK							
PL1	MILLWORK	PLASTIC LAMINATE	WILSONART	PREMIUM LAMINATE / SOFTGRAIN FINISH	SKYLINE WALNUT 7964K-12	TYP. U.N.O.	
PL2	MILLWORK	PLASTIC LAMINATE	FENIX	STANDARD / JM GRADE	CACAO ORINOCO J0749	DORM LOCKERS	
SS1	MILLWORK	SOLID SURFACE	COSENTINO	SILESTONE XM / POLISHED	CHATEAU BROWN	THICKNESS: 2 CM	
PAINT							
P1	PAINT	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 7003 TOQUE WHITE	TYP. U.N.O.	
P2	PAINT	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 7069 IRON ORE	HOLLOW METAL DOORS AND DOOR FRAMES	
P3	PAINT	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 6869 STOP	ACCENT	
P4	PAINT	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 9182 ROJO MARRON	ACCENT	
P5	PAINT	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 9168 ELEPHANT EAR	APPARATUS BAY	
RESILIENT							
AF1	RESILIENT	ATHLETIC FLOORING					
B1	RESILIENT	WALL BASE - RUBBER, 4"	JOHNSONITE		COLOR TO MATCH P2		
B2	RESILIENT	WALL BASE - RUBBER, 4"	JOHNSONITE		COLOR TO MATCH P4		
B3	RESILIENT	WALL BASE - RUBBER, 6"	JOHNSONITE		COLOR TO MATCH P5	USE AT APPARATUS BAY AND SUPPORT ROOMS	
B4	RESILIENT	WALL BASE - RUBBER, 6"	JOHNSONITE		COLOR TO MATCH P2		
LVT1	RESILIENT	LUXURY VINYL TILE			TBD: 24" X 24" TILE		
WALL PROTECTION							
WP1	WALL PROTECTION	WALL PROTECTION					

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.

C. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

D. PROVIDE INTERIOR FINISH SAMPLE SUBMITTALS FOR ALL FINISH ITEMS FOR INTERIOR DESIGN APPROVAL PRIOR TO INSTALLATION.

E. ***ALL WINDOW SILLS TO BE SOLID SURFACE SS1 WITH 1" BUILT-UP FRONT EDGE.***

F. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN KITCHENS, AND ALL WALLS AND CEILINGS IN BATHROOMS AND JANITOR CLOSETS.

G. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES.

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.

B. ***PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. PX UNLESS NOTED OTHERWISE.***

FLOORING:

A. LEVEL ALL FLOORS IN ACCORDANCE WITH FLOORING FINISH MANUFACTURERS SPECIFICATIONS.

B. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.

C. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.

CEILING / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.

D. ALL WALL BASE TO BE (B1), UNLESS NOTED OTHERWISE.

E. ALL WALLS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE.

F. ***ALL DOORS TO BE PAINTED SEMI-GLOSS, (P3). OR IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS TO MATCH ADJACENT WALL FINISH. REFER TO FINISH PLAN AND DOOR SCHEDULE.***

G. ***DOOR TRIM TO BE PAINTED SEMI-GLOSS, (P3).***

H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.

I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

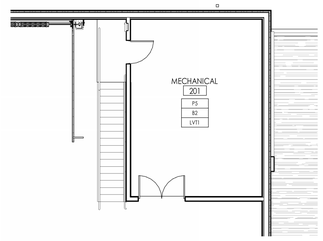
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

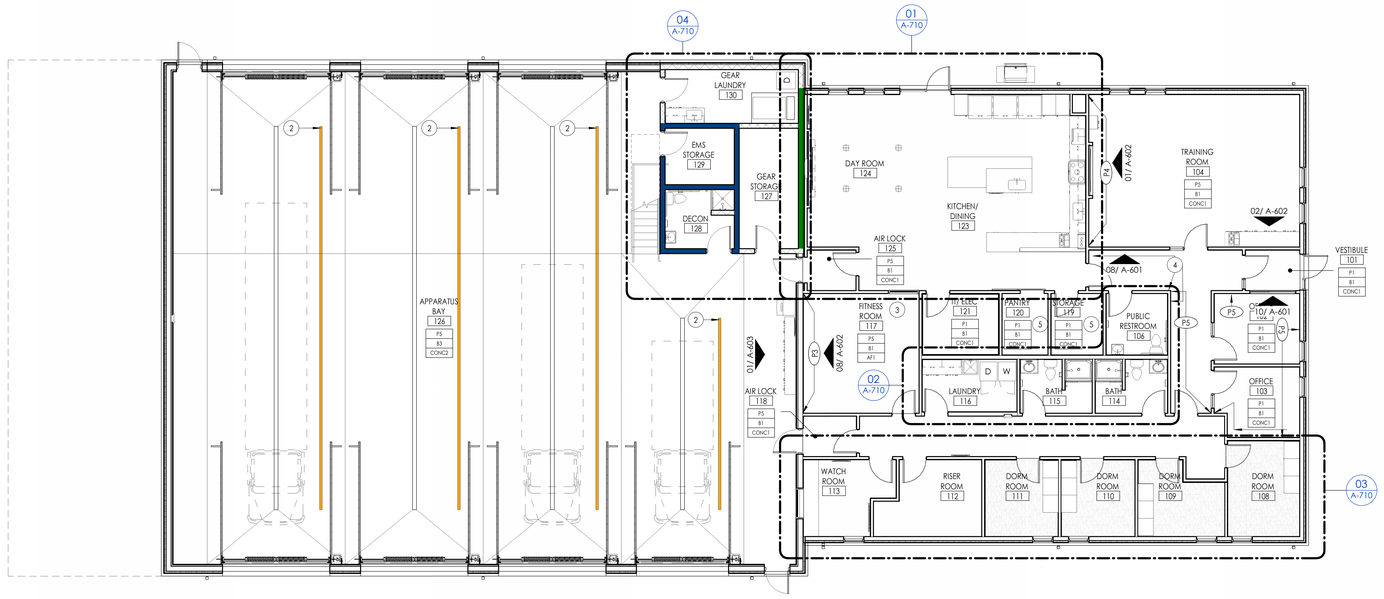
FINISH SCHEDULES AND SPECIFICATIONS

A-700

5/14/2026 3:22:08 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_AXIS_v24.rvt



02 SECOND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



01 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.

C. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

D. PROVIDE INTERIOR FINISH SAMPLE SUBMITTALS FOR ALL FINISH ITEMS FOR INTERIOR DESIGN APPROVAL PRIOR TO INSTALLATION.

E. ***ALL WINDOW SILLS TO BE SOLID SURFACE SS1 WITH 1" BUILT-UP FRONT EDGE.***

F. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN KITCHENS, AND ALL WALLS AND CEILINGS IN BATHROOMS AND JANITOR CLOSETS.

G. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES.

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.

B. ***PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. PX UNLESS NOTED OTHERWISE.***

FLOORING:

A. LEVEL ALL FLOORS IN ACCORDANCE WITH FLOORING FINISH MANUFACTURERS SPECIFICATIONS.

B. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.

C. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.

CEILING / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.

D. ALL WALL BASE TO BE (B1), UNLESS NOTED OTHERWISE.

E. ALL WALLS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE.

F. ***ALL DOORS TO BE PAINTED SEMI-GLOSS, (P1). OR IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS TO MATCH ADJACENT WALL FINISH. REFER TO FINISH PLAN AND DOOR SCHEDULE.***

G. ***DOOR TRIM TO BE PAINTED SEMI-GLOSS, (P1).***

H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.

I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

GENERAL FINISH SYMBOLS

FINISH TAG
(DENOTES DIFFERENT FINISH LOCATION)
XX — ARROWS INDICATES EXTENT OF FINISH
INDICATES FINISH MATERIAL

MATERIAL TRANSITION
(DENOTES DIFFERENT MATERIAL TRANSITION LOCATIONS)
X X — INDICATES FINISH MATERIAL

FLOORING DIRECTION
X — INDICATES FINISH MATERIAL
INDICATES MATERIAL DIRECTION

ROOM TAG
ROOM NAME — Room Name
ROOM NUMBER — XXXXX
WALL FINISH — Wall
BASE FINISH — Base
FLOOR FINISH — Floor

FINISH PLAN KEYNOTES

1 DASHED LINE INDICATES BULKHEAD ABOVE.
2 4" WIDE SAFETY YELLOW PAINTED DRIVE LANE STRIP ON DRIVER SIDE TO INCLUDE WHEEL MARKER. COORDINATION LOCATION IN FIELD WITH THE FIRE DEPARTMENT BEFORE INSTALLATION.
3 PROVIDE FRP PANELS (WP1) ON ALL WALLS. BEGIN ABOVE WALL BASE AND UP TO 48" A.F.F.
4 GRAPHIC - PROVIDE ALLOWANCE OF $10,000. COORDINATE WITH DESIGNER AND OWNER. REFER TO MFR'S REQUIREMENTS FOR WALL PREP.
5 PROVIDE FRP PANELS (WP1) ON ALL WALLS. BEGIN ABOVE WALL BASE AND UP TO THE CEILING.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOA
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

BRANDON DOE DREW WHITE — REGISTERED NO. AR-1940008 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

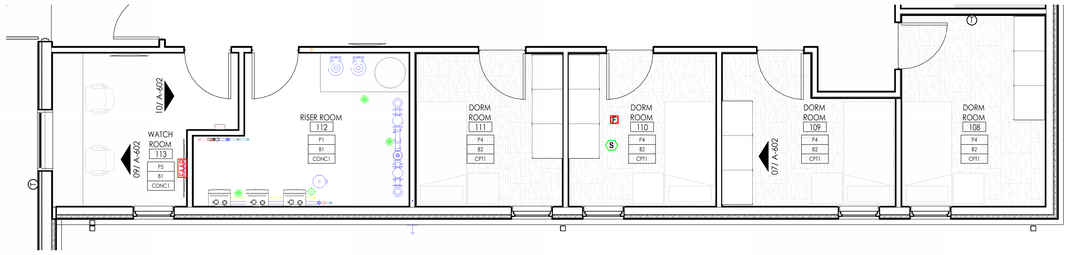
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR AND MEZZANINE INTERIOR FINISH PLANS

A-701

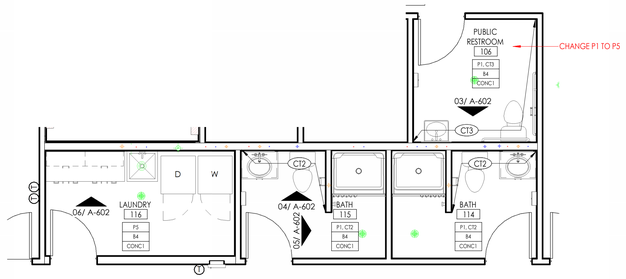
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARR_r26.rvt
5/14/2026 5:22:12 PM



ENLARGED INTERIOR FINISH PLAN

03 DORM ROOMS AND WATCH ROOM 113

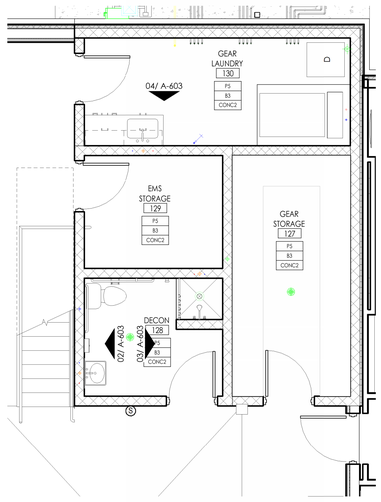
SCALE: 1/4" = 1'-0"



ENLARGED INTERIOR FINISH PLAN

02 DORM BATHROOMS + PUBLIC RESTROOM

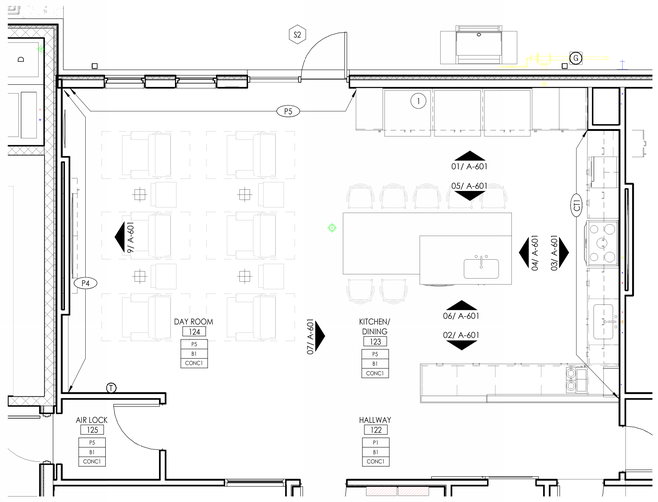
SCALE: 1/4" = 1'-0"



ENLARGED INTERIOR FINISH PLAN

04 APPARATUS SUPPORT ROOMS

SCALE: 1/4" = 1'-0"



ENLARGED INTERIOR FINISH PLAN

01 KITCHEN/DINING 123 + DAY ROOM 124

SCALE: 1/4" = 1'-0"

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-505 FOR WINDOW/STOREFRONT ELEVATIONS.

B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.

C. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

D. PROVIDE INTERIOR FINISH SAMPLE SUBMITTALS FOR ALL FINISH ITEMS FOR INTERIOR DESIGN APPROVAL PRIOR TO INSTALLATION.

E. ***ALL WINDOW SILLS TO BE SOLID SURFACE SS1 WITH 1" BUILT-UP FRONT EDGE.***

F. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD AT ALL WALLS IN KITCHENS, AND ALL WALLS AND CEILINGS IN BATHROOMS AND JANITOR CLOSETS.

G. TILE BACKER BOARD SHALL BE USED IN ALL LOCATIONS TO RECEIVE TILE FINISHES.

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.

B. ***PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. PX UNLESS NOTED OTHERWISE.***

FLOORING:

A. LEVEL ALL FLOORS IN ACCORDANCE WITH FLOORING FINISH MANUFACTURERS SPECIFICATIONS.

B. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.

C. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.

CEILING / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCEPT PAINT LOCATIONS.

C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.

D. ALL WALL BASE TO BE (B1), UNLESS NOTED OTHERWISE.

E. ALL WALLS TO BE PAINTED (P1), UNLESS NOTED OTHERWISE.

F. ***ALL DOORS TO BE PAINTED SEMI-GLOSS, (P1). OR IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS TO MATCH ADJACENT WALL FINISH. REFER TO FINISH PLAN AND DOOR SCHEDULE.***

G. ***DOOR TRIM TO BE PAINTED SEMI-GLOSS, (P1).***

H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.

I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

GENERAL FINISH SYMBOLS

FINISH TAG
(DENOTES DIFFERENT FINISH LOCATION)
XX — ARROWS INDICATES EXTENT OF FINISH
INDICATES FINISH MATERIAL

MATERIAL TRANSITION
(DENOTES DIFFERENT MATERIAL TRANSITION LOCATIONS)
X X — INDICATES FINISH MATERIAL

FLOORING DIRECTION
X — INDICATES FINISH MATERIAL
INDICATES MATERIAL DIRECTION

ROOM TAG
ROOM NAME — Room Name
ROOM NUMBER — XXXXX
WALL FINISH — Wall
BASE FINISH — Base
FLOOR FINISH — Floor

FINISH PLAN KEYNOTES

1 DASHED LINE INDICATES BULKHEAD ABOVE.
2 4" WIDE SAFETY YELLOW PAINTED DRIVE LANE STRIP ON DRIVER SIDE TO INCLUDE WHEEL MARKER. COORDINATION LOCATION IN FIELD WITH THE FIRE DEPARTMENT BEFORE INSTALLATION.
3 PROVIDE FRP PANELS (WP1) ON ALL WALLS. BEGIN ABOVE WALL BASE AND UP TO 48" A.F.F.
4 GRAPHIC - PROVIDE ALLOWANCE OF $10,000. COORDINATE WITH DESIGNER AND OWNER. REFER TO MFR'S REQUIREMENTS FOR WALL PREP.
5 PROVIDE FRP PANELS (WP1) ON ALL WALLS. BEGIN ABOVE WALL BASE AND UP TO THE CEILING.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOs
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-2614

DANDRIDGE DREW WHITE — REGISTERED No AR-11940008 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER:	2025013
DRAWN: AUTHOR	CHECKED: CHECKER
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ENLARGED INTERIOR FINISH PLANS

A-710

5/14/2026 1:22:16 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_ARCH_v26.rvt

EQUIPMENT SCHEDULE

MARK	ITEM	MFR/ MODEL	DESCRIPTION	PROVIDED BY	INSTALLED BY	COMMENTS
E01	MONITOR - TV		MONITOR AND RECESSED WALL BRACKET. DIMENSIONS: CONFIRM WITH OWNER.	OWNER	CONTRACTOR	GC TO INSTALL POWER, DATA, AND ADDITIONAL WALL BLOCKING FOR THE RECESSED MOUNTING BOX AND ARM. COORDINATE WITH MEP DRAWINGS FOR POWER AND DATA REQUIREMENTS AND LOCATIONS. COORDINATE ROUGH-IN LOCATIONS WITH OWNER BEFORE INSTALLATION. POWER AND DATA TO BE IN THE RECESSED BOX.
E02	ICE MACHINE		BASED ON MANITOWOC NEO 140	OWNER	CONTRACTOR	COLD WATER. DRAIN, POWER.
E03	RESIDENCIAL LOAD WASHER		TOP LOAD WASHER 27" WIDE	OWNER	CONTRACTOR	COLD WATER, DRAIN, POWER.
E04	RESIDENCIAL LOAD DRYER		FRONT LOAD ELECTRIC DRYER- 29" WIDE	OWNER	CONTRACTOR	POWER.
E05	REFRIGERATOR/FREEZER	SAMSUNG RF32CG5300SR	36" W x 34" D x 70" H.	OWNER	CONTRACTOR	GC TO INSTALL POWER AND WATER LINE. COORDINATE WITH MEP DRAWINGS FOR POWER AND WATER REQUIREMENTS AND LOCATIONS.
E06	65LB INDUSTRIAL WASHER EXTRACTOR	UNIMAC UWT065V4	34.1" W x 51.1" D x 64.4" H HARDMOUNT WASHER-EXTRACTOR.	OWNER	CONTRACTOR	HOT AND COLD WATER, DRAIN, POWER.
E07	Ceiling Mounted Rack	Eagle Group				
E08	MONITOR - CAD		MONITOR AND RECESSED WALL BRACKET. DIMENSIONS: CONFIRM WITH OWNER.	OWNER	CONTRACTOR	GC TO INSTALL POWER, DATA, AND ADDITIONAL WALL BLOCKING FOR THE RECESSED MOUNTING BOX AND ARM. COORDINATE WITH MEP DRAWINGS FOR POWER AND DATA REQUIREMENTS AND LOCATIONS. COORDINATE ROUGH-IN LOCATIONS WITH OWNER BEFORE INSTALLATION. POWER AND DATA TO BE IN THE RECESSED BOX.
E09	COFFEE MAKER	BUNN				COLD WATER, POWER.
E10	DISHWASHER		24" WIDE	OWNER	CONTRACTOR	GC TO INSTALL POWER AND WATER LINE. COORDINATE WITH MEP DRAWINGS FOR POWER AND WATER REQUIREMENTS AND LOCATIONS.
E11	GAS GRILL	WEBER / GENESIS S-415	4-BURNER NATURAL GAS BARBECUE GRILL	OWNER	CONTRACTOR	NATURAL GAS.
E12	MONITOR - TV		MONITOR AND RECESSED WALL BRACKET. DIMENSIONS: CONFIRM WITH OWNER.	OWNER	CONTRACTOR	GC TO INSTALL POWER, DATA, AND ADDITIONAL WALL BLOCKING FOR THE RECESSED MOUNTING BOX AND ARM. COORDINATE WITH MEP DRAWINGS FOR POWER AND DATA REQUIREMENTS AND LOCATIONS. COORDINATE ROUGH-IN LOCATIONS WITH OWNER BEFORE INSTALLATION. POWER AND DATA TO BE IN THE RECESSED BOX.
E13	GAS RANGE		29 3/4"W X 26 9/16"D X 37"H.	OWNER	CONTRACTOR	
E14	MICROWAVE	SHARP / SMC2266KS	24.4" W x 19.6" D x 13.6" H.	OWNER	CONTRACTOR	POWER. COORDINATE OUTLET LOCATIONS WITH TILE LAYOUT. REFER TO A-600 SERIES FOR INTERIOR ELEVATIONS.
E15	IN-WALL BOX & SWING ARM	CHIEF MANUFACTURER / PACS01 & PNRIW	DIMENSIONS: CONFIRM WITH OWNER.	OWNER	CONTRACTOR	GC TO INSTALL IN-WALL BOX AND SWING ARM. COORDINATE WITH MEP DRAWINGS FOR POWER AND DATA REQUIREMENTS AND LOCATIONS. COORDINATE WITH OWNER ON MOUNTING HEIGHT BEFORE INSTALLATION.
E16	MIRROR - FITNESS ROOM		36" W x 84" H. 1/4" TEMPERED MIRROR WITH METAL TRIM.	OWNER	CONTRACTOR	MIRRORS TO BE INSTALLED 12" A.F.F. REFER TO A-600 SERIES.
E17	UNDERCOUNTER REFERIGERATOR			OWNER	CONTRACTOR	

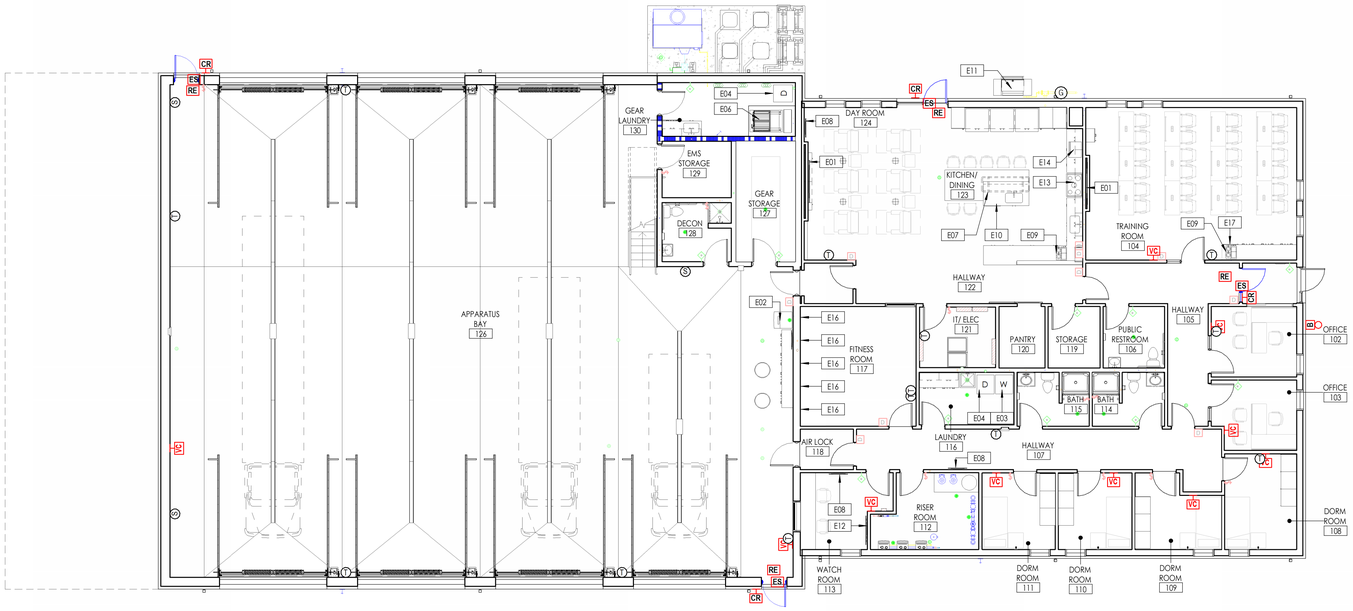
GENERAL EQUIPMENT PLAN NOTES

A. CONTRACTOR TO INSTALL ALL ITEMS LISTED AS CONTRACTOR SUPPLIED AND CONTRACTOR INSTALLED.

B. PROVIDE BLOCKING IN WALLS SHOWN TO RECEIVE EQUIPMENT.

C. REFER TO MEP DRAWINGS FOR MEP REQUIREMENTS OF ALL EQUIPMENT.

D. FURNITURE SHOWN IS NOT PART OF THIS WORK AND IS TO BE SUPPLIED AND INSTALLED BY THE OWNER'S FURNITURE SUPPLIER. FURNITURE FOR REFERENCE ONLY.



01 **FIRST FLOOR EQUIPMENT PLAN**
SCALE: 1/8" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

DANIEL JOSE DREW WHITE
REGISTERED No AR-19400081
STATE OF INDIANA
ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

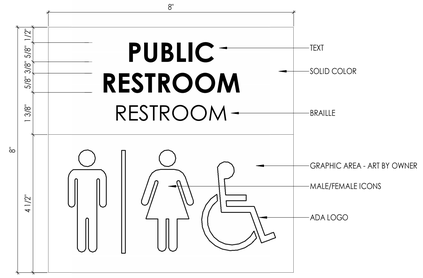
EQUIPMENT PLANS

A-801

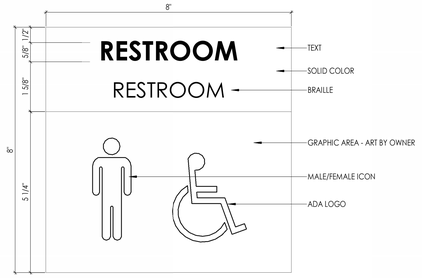
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ASIS_26.rvt
5/14/2026 5:22:21 PM

INTERIOR SIGNAGE SCHEDULE

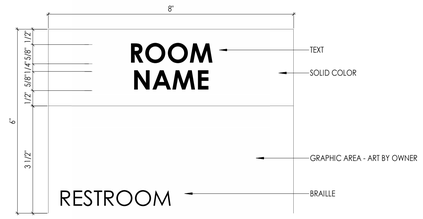
RM #	ROOM NAME	QTY	TYPE	PERMANENT TEXT	INSTALL LOCATION	COMMENTS
FIRST FLOOR						
101	VESTIBULE		D			
102	OFFICE	1	C		WALL	CONFIRM ROOM NAME WITH FIRE DEPARTMENT
103	OFFICE		C		WALL	
104	TRAINING ROOM	1	C	TRAINING ROOM	WALL	
105	HALLWAY					
106	PUBLIC RESTROOM		A		ON THE DOOR	
107	HALLWAY					
108	DORM ROOM		D		WALL BEDSIDE DOOR	
109	DORM ROOM		D		WALL BEDSIDE DOOR	
110	DORM ROOM		D		WALL BEDSIDE DOOR	
111	DORM ROOM		D		WALL BEDSIDE DOOR	
112	RISER ROOM		D		WALL BEDSIDE DOOR	
113	WATCH ROOM		C		WALL BEDSIDE DOOR	
114	BATH		A		ON THE DOOR	
115	BATH		A		ON THE DOOR	
116	LAUNDRY		D		ON THE DOOR	
117	FITNESS ROOM		C		WALL BEDSIDE DOOR	
118	AIR LOCK		D		WALL BEDSIDE DOOR	
119	STORAGE		D		ON THE DOOR	
120	PANTRY		D		ON THE DOOR	
121	IT/ ELEC		D		ON THE DOOR	
122	HALLWAY					
123	KITCHEN/ DINING					
124	DAY ROOM					
125	AIR LOCK		D		WALL BEDSIDE DOOR	
126	APPARATUS BAY					
127	GEAR STORAGE		D		ON THE DOOR	
128	DECON		A		WALL BEDSIDE DOOR	
129	EMS STORAGE		D		ON THE DOOR	
130	GEAR LAUNDRY		D		ON THE DOOR	
MEZZANINE						
201	MECHANICAL		D		ON THE DOOR	



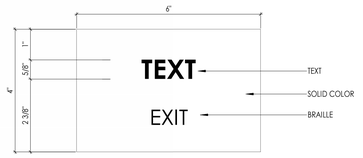
TYPE A



TYPE B



TYPE C

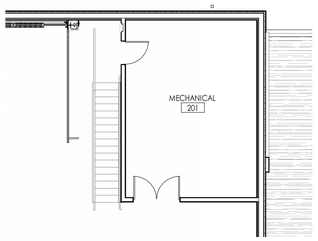


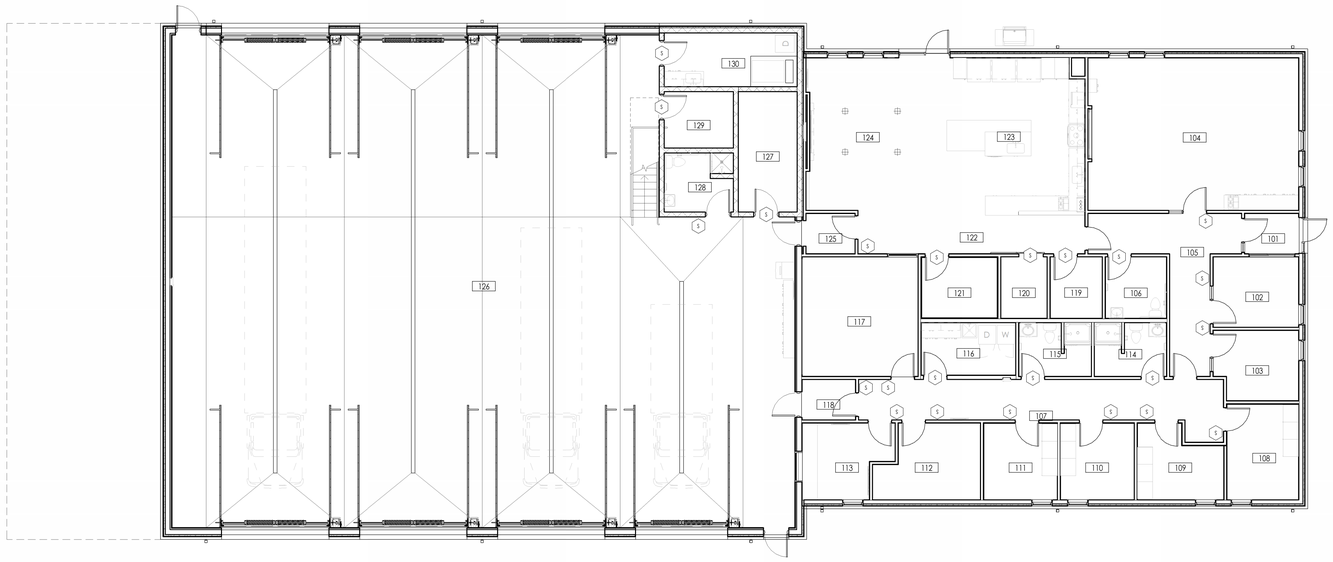
TYPE D

INTERIOR SIGNAGE NOTES:

1. THESE PLANS AND SCHEDULES ARE FOR INFORMATION ONLY. ROOM NAMES AND THE STYLE OF INTERIOR SIGNAGE WILL BE COORDINATED WITH THE OWNER AND NOT TAKEN DIRECTLY FROM SHEET A-901.
2. INTERIOR SIGNAGE IS TO BE INCLUDED AS A BID ITEM.
3. INTERIOR SIGNAGE SHOULD BE INSTALLED ON THE WALL AND ON THE LATCH SIDE OF THE DOOR AT 54" A.F.F. UNLESS NOTED OTHERWISE.

03 TYPICAL INTERIOR SIGNS
SCALE: 6" = 1'-0"





02 SECOND FLOOR INTERIOR SIGNAGE PLAN
SCALE: 1/8" = 1'-0"

01 FIRST FLOOR INTERIOR SIGNAGE PLAN
SCALE: 1/8" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Parkway, Suite 220
Indianapolis, Indiana 46280
PH 317-853-3614

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

INTERIOR SIGNAGE PLAN

A-901

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_A&S_v24.rvt
5/14/2026 5:22:24 PM

ABBREVIATIONS AND TERMS

Ø	DIAMETER, PHASE	EL	ELEVATION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
°F	DEGREES FAHRENHEIT	EOM	END OF MAIN DRIP	NFWH	NON-FREEZE WALL HYDRANT
A/C	AIR CONDITIONING	ERV	ENERGY RECOVERY VENTILATOR	NIC	NOT IN CONTRACT
AAV	AIR ADMITTANCE VALVE	ES	EMERGENCY SHOWER	NO	NORMALLY OPEN, NITROUS OXIDE
ACC	AIR COOLED CONDENSER	ESP	EXTERNAL STATIC PRESSURE (IN. WG.)	NOM	NOMINAL
ACCU	AIR COOLED CONDENSING UNIT	ET	EXPANSION TANK	NPW	NON-POTABLE WATER
AD	AREA DRAIN, ACCESS DOOR	EUH	ELECTRIC UNIT HEATER	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	EW	EMERGENCY EYEWASH	O	OXYGEN
AFG	ABOVE FINISHED GRADE	EWC	ELECTRIC WATER COOLER	OA	OUTSIDE AIR
AFMS	AIR FLOW MEASURING STATION	EWT	ENTERING WATER TEMPERATURE (°F)	OAI	OUTSIDE AIR INTAKE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	EXH	EXHAUST	OAT	OUTSIDE AIR TEMPERATURE (°F)
AGA	AMERICAN GAS ASSOCIATION	EXIST/EX	EXISTING	OBD	OPPOSED BLADE DAMPER
AHU	AIR HANDLING UNIT	F	FURNACE	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
AL	ACOUSTICALLY LINED, ALUMINUM	F&T	FLOAT AND THERMOSTATIC STEAM TRAP	OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
AMB	AMBIENT	FCO	FLOOR CLEANOUT	OFD	OVERFLOW ROOF DRAIN
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FCU	FAN COIL UNIT	OSD	OPEN SITE DRAIN
AO	ANALOG OUTPUT	FD	FLOOR DRAIN, FIRE DAMPER	OZ	OUNCE
AP	ACID PROOF, ACCESS PANEL	FDC	FIRE DEPARTMENT CONNECTION	P	PUMP
APD	AIR PRESSURE DROP (IN. W.C.)	FDTN	FOUNDATION	PB	PARALLEL BLADE DAMPER
ARCH	ARCHITECT	FE	FIRE EXTINGUISHER	PC	PLUMBING CONTRACTOR
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE	FHC	FIRE HOSE CABINET	PD	PRESSURE DROP
ARV	AIR RELIEF VALVE	FHEF	FUME HOOD EXHAUST FANS	PE	PNEUMATIC ELECTRIC
AS	AIR SEPARATOR	FLR	FLOOR	PH	PHASE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS	FM	FACTORY MANUAL	PIV	POST INDICATOR VALVE
		FPM	FEET PER MINUTE	PPM	PARTS PER MILLION
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	FPVAV	FAN POWERED VAV UNIT	PRV	PRESSURE REDUCING VALVE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	FS	FLOOR SINK	PSI	POUNDS PER SQUARE INCH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	FSC	FIRE SUPPRESSION CONTRACTOR	PSIG	POUNDS PER SQUARE INCH GAUGE
ATM	ATMOSPHERE	FSD	COMBINATION FIRE/SMOKE DAMPER	PTAC	PACKAGED TERMINAL AIR CONDITIONER
AUTO	AUTOMATIC	FT	FOOT, FEET	PVC	POLYVINYL CHLORIDE
AV	AUTOMATIC VENT	FTG	FOOTING	R	REGISTER, REFRIGERANT
AVG	AVERAGE	FTR	FINNED TUBE RADIATION	RA	RETURN AIR
AVS	ACID VENT STACK	G	NATURAL GAS	RAD	RADIATION
AW	ACID WASTE	GA	GAGE OR GAUGE	RAT	RETURN AIR TEMPERATURE (°F)
AWWA	AMERICAN WATER WORKS ASSOCIATION	GAL	GALLON	RCP	REINFORCED CONCRETE PIPE
BCU	BLOWER COIL UNIT	GC	GENERAL CONTRACTOR	RD	ROOF DRAIN
BD	BUTTERFLY DAMPER	GI	GREASE INTERCEPTOR	REV	REVOLUTIONS
BDD	BACKDRAFT DAMPER	GIV	GRAVITY INTAKE VENTILATOR	RF	RETURN FAN
BE	BOTTOM ELEVATION	GMU	GLYCOL MAKEUP UNIT	RG	RETURN GRILLE
BFP	BACKFLOW PREVENTER	GPD	GALLONS PER DAY	RH	RELATIVE HUMIDITY, ROOF HYDRANT, RELIEF HOOD
BHP	BRAKE HORSEPOWER	GPH	GALLONS PER HOUR	RM	ROOM
BLDG	BUILDING	GPM	GALLONS PER MINUTE	RO	REVERSE OSMOSIS SYSTEM
BOD	BOTTOM OF DUCT	GPR	GAS PRESSURE REGULATOR	RP	RADIANT PANEL
BOP	BOTTOM OF PIPING	GR	GRILLE, GRAINS, GLYCOL LOOP RETURN	RPM	REVOLUTIONS PER MINUTE
BSMT	BASEMENT	GRV	GRAVITY RELIEF VENTILATOR	RPS	REVOLUTIONS PER SECOND
BT	BATHTUB	GS	GLYCOL LOOP SUPPLY	RTU	ROOF TOP UNIT
BTM	BOTTOM	GT	GREASE TRAP	RV	RELIEF VALVE, ROOF VENT
BtuH	BRITISH THERMAL UNIT PER HOUR	HAC	HEATED AIR CURTAIN	SA	SUPPLY AIR
CA	COMPRESSED AIR	HB	HOSE BIBB	SAN	SANITARY
CAV	CONSTANT AIR VOLUME	HD	HEAD (FT.)	SD	SUPPLY DIFFUSER, SMOKE DAMPER
CB	CATCH BASIN	Hg	MERCURY	SEER	SEASONAL ENERGY EFFICIENCY RATIO
CCW	COUNTERCLOCKWISE	HHWP	HEATING HOT WATER PUMP	SEF	SMOKE EXHAUST FAN
CD	CONDENSATE DRAIN	HO	HUB OUTLET	SF	SQUARE FOOT, SUPPLY FAN, SAFETY FACTOR
CF	CIRCULATION FAN	HORIZ	HORIZONTAL	SG	SUPPLY GRILLE
CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER, HEAT PUMP	SU	SHOWER UNIT
CH	CHILLER	HR	HOUR(S)	SK	SINK
CHWP	CHILLED WATER PUMP	HRC	HEAT RECOVERY COIL	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
CI	CAST IRON	HRTU	HEATING ONLY ROOFTOP UNIT	SP	STATIC PRESSURE
CMP	CORRUGATED METAL PIPE	HRU	HEAT RECOVERY UNIT	SPEC	SPECIFICATION
CO	CLEANOUT / CARBON MONOXIDE	HRV	HEAT RECOVERY VENTILATOR	SQ	SQUARE
CO_2	CARBON DIOXIDE	HRWP	HEAT RECOVERY WATER PUMP	SR	SUPPLY REGISTER
COMPR	COMPRESSOR	HUM	HUMIDIFIER	SRV	SAFETY RELIEF VALVE
COND	CONDENSER	HWRP	HOT WATER RETURN PUMP	SS	SERVICE SINK, STAINLESS STEEL
CONV	CONVECTOR	HX	HEAT EXCHANGER	STD	STANDARD
CP	CONDENSATE PUMP	Hz	HERTZ	SV	STEAM VENT
CPVC	CHLORINATED POLYVINYL CHLORIDE	IB	INVERTED BUCKET STEAM TRAP	TCC	TEMPERATURE CONTROL CONTRACTOR
CRAC	COMPUTER ROOM AIR CONDITIONER	ID	INSIDE DIAMETER	TCP	TEMPERATURE CONTROL PANEL
CT	COOLING TOWER	IH	INTAKE HOOD	TD	TEMPERATURE DIFFERENCE
CU	CONDENSING UNIT	IN	INCH, INCHES	TE	TOP ELEVATION
CUH	CABINET UNIT HEATER (HYDRONIC)	INT	INTERIOR	TEMP	TEMPERATURE
CUV	CLASSROOM UNIT VENTILATOR	INV EL	INVERT ELEVATION	TF	TRANSFER FAN
CV	CONTROL VALVE	IPS	INTERNATIONAL PIPE STANDARD	TG	TRANSFER GRILL
CW	CLOCKWISE	IRH	INFRA-RED TUBE HEATER	TMV	THERMOSTATIC MIXING VALVE
CWP	CONDENSER WATER PUMP	IW	INDIRECT WASTE	TONS	TONS OF REFRIGERATION
dB	DECIBEL	KEC	KITCHEN EQUIPMENT CONTRACTOR	TP	TRAP PRIMER
DB	DRY BULB	kW	KILOWATT	TRANS	TRANSITION
DF	DRINKING FOUNTAIN	LAB	LABORATORY	TS	TAMPER SWITCH, TUB SHOWER
DG	DOOR GRILLE	LAT	LEAVING AIR TEMPERATURE (°F)	TSP	TOTAL STATIC PRESSURE (IN. WC.)
DH	DUCT HEATER	L	LAVATORY	TXV	THERMAL EXPANSION VALVE
DHST	DOMESTIC HOT WATER STORAGE TANK	LBS	POUNDS	TYP	TYPICAL
DHX	DOMESTIC WATER HEAT EXCHANGER	LD	LINEAR DIFFUSER	UC	UNDERCUT DOOR
DHXCP	DOMESTIC HEAT EXCHANGER CIRCULATION PUMP	LP	LIQUID PETROLEUM	UH	UNIT HEATER (HYDRONIC)
DI	DIGITAL INPUT, DISTILLED WATER	LTG	LIGHTING	UL	UNDERWRITERS LABORATORIES
DIA	DIAMETER	LVR	LOUVER	UNO	UNLESS NOTED OTHERWISE
DN	DOWN	LWT	LEAVING WATER TEMPERATURE (°F)	UR	URINAL
DO	DIGITAL OUTPUT	MA	MIXED AIR	UV	UNIT VENTILATOR ULTRAVIOLET
DPRV	DOMESTIC BUILDING PRESSURE REDUCING VALVE	MAT	MIXED AIR TEMPERATURE (°F)	V	VOLTS, VENT
DS	DOWNSPOUT, DOWN STREAM	MAX	MAXIMUM	VAC	VACUUM
DSAC	DUCTLESS SPLIT SYSTEM AIR CONDITIONER	MB	MOP BASIN	VAV	VARIABLE AIR VOLUME
DSHP	DUCTLESS SPLIT SYSTEM HEAT PUMP	MBH	THOUSAND BTU PER HOUR	VB	VACUUM BREAKER
DTMV	DIGITAL THERMOSTATIC MIXING VALVE	MC	MECHANICAL CONTRACTOR	VD	VOLUME DAMPER
DWG	DRAWING	MCA	MINIMUM CIRCUIT AMPS	VEL	VELOCITY
DWH	DOMESTIC WATER HEATER	MCC	MOTOR CONTROL CENTER	VERT	VERTICAL
DWV	DRAIN, WASTE & VENT	MD	MOTORIZED DAMPER	VF	VENTILATION FAN
DX	DIRECT EXPANSION	MFR	MANUFACTURER	VFD	VARIABLE FREQUENCY DRIVE
EA	EXHAUST AIR	MH	MANHOLE	VTR	VENT THROUGH WALL
EAT	ENTERING AIR TEMPERATURE (°F)	MIN	MINIMUM	W	WASTE, WATT
EC	ELECTRICAL CONTRACTOR	MISC	MISCELLANEOUS	WB	WET BULB
ECUH	ELECTRIC CABINET UNIT HEATER	MS	MOP SINK	WC	WATER COLUMN, WATER CLOSET
ECO	EXTERIOR CLEANOUT	MTD	MOUNTED	WCO	WATER CLEANOUT
EDR	EQUIVALENT DIRECT RADIATION	MV	MANUAL VENT	WH	WALL HYDRANT
EER	ENERGY EFFICIENCY RATIO	N	NITROGEN	WPD	WATER PRESSURED DROP (FT. HD.)
EF	EXHAUST FAN	NA	NOT APPLICABLE	WSHP	WATER SOURCE HEAT PUMP
EFF	EFFICIENCY	NC	NOISE CRITERIA, NORMALLY CLOSED	YD	YARD DRAIN
EG	EXHAUST GRILLE	NEC	NATIONAL ELECTRIC CODE		
EH	EXHAUST HOOD	NFC	NATIONAL FIRE CODE		

PIPING IDENTITY SYMBOLS

	FLOW DIRECTION ARROW, PITCH DIRECTION ARROW
	PIPE RISE
	PIPE DROP
	PIPE CAP
	PIPE CONTINUES (REFERENCE ELSEWHERE)
	PIPE GUIDE
	PIPE ANCHOR
	FLEXIBLE CONNECTOR
	EXPANSION COMPENSATOR
	EXPANSION LOOP
	CONCENTRIC, ECCENTRIC FITTINGS
	UNION
	SHUT-OFF VALVE, SEE SPECS
	CHECK VALVE
	PRESSURE REDUCING VALVE
	BALANCING VALVE STATION
	BACKFLOW PREVENTER
	ANGLE VALVE
	RELIEF VALVE
	VALVE WITH OUTSIDE STEM & YOKE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	SOLENOID TWO-WAY CONTROL VALVE
	FLOW SWITCH
	PRESSURE SWITCH
	AQUASTAT
	ORIFICE FLOW METER
	VENTURI FLOW METER / FLOW MEASURING STATION
	STRAINER WITH CAPPED BLOWDOWN
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	VACUUM BREAKER
	THERMOMETER
	PRESSURE GAUGE
	INLINE PUMP
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
WHA-A	WATER HAMMER ARRESTER WITH SCHEDULE TYPE
FD	P-TRAP AND RISER
ZFD-1	FLOOR DRAIN WITH SIZE & SCHEDULE TYPE
CO	END OF PIPE CLEANOUT
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
ECO	EXTERIOR CLEANOUT OR RODDING HOLE
TMV-1	THERMOSTATIC MIXING VALVE WITH SCHEDULE TYPE
HB-1 WH-1	HOSE BIBB, WALL HYDRANT WITH SCHEDULE TYPE
M	WATER METER
G	GAS METER
4"RD 4"OFD	ROOF DRAIN, OVERFLOW DRAIN WITH SIZE
	POST INDICATOR VALVE
	FIRE DEPARTMENT CONNECTION
[S]	VALVE TAMPER SWITCH
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	DRY PENDANT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

HVAC IDENTITY SYMBOLS

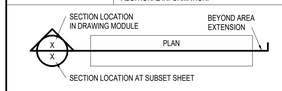
24/12	RECTANGULAR DUCTWORK DESIGNATION IN INCHES, FIRST DIMENSION IS SIDE SHOWN	24ø	ROUND SPIRAL DUCTWORK DESIGNATION IN INCHES	24/12 FO	FLAT OVAL DUCTWORK DESIGNATION IN INCHES, FIRST DIMENSION IS SIDE SHOWN
	RECTANGULAR SUPPLY AIR, OUTSIDE AIR DUCTWORK RISE		ROUND SPIRAL SUPPLY AIR, OUTSIDE AIR DUCTWORK RISE		FLAT OVAL SUPPLY AIR, OUTSIDE AIR DUCTWORK RISE
	RECTANGULAR SUPPLY AIR, OUTSIDE AIR DUCTWORK DROP		ROUND SPIRAL SUPPLY AIR, OUTSIDE AIR DUCTWORK DROP		FLAT OVAL SUPPLY AIR, OUTSIDE AIR DUCTWORK DROP
	RECTANGULAR RETURN AIR, TRANSFER AIR DUCTWORK RISE		ROUND SPIRAL RETURN AIR, TRANSFER AIR DUCTWORK RISE		FLAT OVAL RETURN AIR, TRANSFER AIR DUCTWORK RISE
	RECTANGULAR RETURN AIR, TRANSFER AIR DUCTWORK DROP		ROUND SPIRAL RETURN AIR, TRANSFER AIR DUCTWORK DROP		FLAT OVAL RETURN AIR, TRANSFER AIR DUCTWORK DROP
	RECTANGULAR EXHAUST AIR, RELIEF AIR DUCTWORK RISE		ROUND SPIRAL EXHAUST AIR, RELIEF AIR DUCTWORK RISE		FLAT OVAL EXHAUST AIR, RELIEF AIR DUCTWORK RISE
	RECTANGULAR EXHAUST AIR, RELIEF AIR DUCTWORK DROP		ROUND SPIRAL EXHAUST AIR, RELIEF AIR DUCTWORK DROP		FLAT OVAL EXHAUST AIR, RELIEF AIR DUCTWORK DROP
AL SS	DUCTWORK CONSTRUCTED OF ALUMINUM, STAINLESS STEEL	R →	DUCTWORK RISE IN DIRECTION OF FLOW	D →	DUCTWORK DROP IN DIRECTION OF FLOW
	DUCTWORK LINING OR DOUBLE WALL DUCTWORK, DESIGNATION SHOWN IS FREE AREA	→	SUPPLY AIR, OUTSIDE AIR IN DIRECTION OF FLOW		RETURN AIR, EXHAUST AIR, TRANSFER AIR, RELIEF AIR IN DIRECTION OF FLOW
	ECCENTRIC DUCT TRANSITION		CONCENTRIC DUCT TRANSITION		RECTANGULAR TO ROUND, FLAT OVAL DUCT TRANSITION
	BALANCE OR VOLUME DAMPER	AD AD	ACCESS DOOR		DUCTWORK CAP
M	MOTORIZED DAMPER WITH ACCESS DOOR	F	FIRE DAMPER WITH ACCESS DOOR	S	SMOKE DAMPER WITH ACCESS DOOR
	FLEXIBLE DUCTWORK CONNECTION	AFMS	AIRFLOW MEASURING STATION WITH ACCESS DOOR	FS	FIRE AND SMOKE DAMPER WITH ACCESS DOOR
	45° BEVELED FITTING FOR RECTANGULAR TO RECTANGULAR DUCTWORK		RADIUS DUCTWORK ELBOW (CENTERLINE RADIUS 1.5xW)	SA	SOUND ATTENUATOR
	CONICAL FITTING FOR ROUND OR FLAT OVAL TO RECTANGULAR DUCTWORK		RADIUS DUCTWORK ELBOW WITH TURNING VANES		MITERED DUCTWORK ELBOW
	CONICAL FITTING FOR ROUND OR FLAT OVAL TO ROUND OR FLAT OVAL DUCTWORK		WYE RADIUS DUCTWORK ELBOW		MITERED DUCTWORK ELBOW WITH TURNING VANES
	45° LATERAL FITTING FOR ROUND OR FLAT OVAL TO ROUND OR FLAT OVAL DUCTWORK		45° RADIUS DUCTWORK ELBOW (CENTERLINE RADIUS 1.5xW)		TRANSFER AIR ELBOW WITH DUCTWORK STUBS FOR SOUND ATTENUATION
	SPIN-IN FITTING FOR ROUND TO RECTANGULAR DUCTWORK, LOW PRESSURE DUCTWORK		CEILING PANEL SUPPLY AIR DIFFUSER		ROUND SUPPLY AIR DIFFUSER
	FLEXIBLE DUCTWORK CONNECTION TO DIFFUSER, MAXIMUM SIX FEET		RECTANGULAR SUPPLY AIR REGISTER OR GRILLE		RETURN AIR, TRANSFER AIR REGISTER OR GRILLE
			EXHAUST AIR REGISTER OR GRILLE		LINEAR SLOT SUPPLY AIR DIFFUSER
	SIDEWALL SUPPLY AIR REGISTER OR GRILLE	W	SIDEWALL RETURN AIR, EXHAUST AIR, TRANSFER AIR REGISTER OR GRILLE		DOOR GRILLE OR UNDERCUT DOOR
(TU-12.34)	THERMOSTAT WITH ASSOCIATED EQUIPMENT DESIGNATION	TS	TEMPERATURE SENSOR		CEILING DESTRATIFICATION FAN
H (TU-12.34)	HUMIDISTAT WITH ASSOCIATED EQUIPMENT DESIGNATION	CO2 CO	CARBON DIOXIDE OR MONOXIDE SENSOR		CENTRIFUGAL ROOF EXHAUST FAN
	HYDRONIC REHEAT COIL WITH ACCESS DOOR		SINGLE DUCT VAV BOX		INLINE FAN
	ELECTRIC REHEAT COIL WITH ACCESS DOOR				SERIES/PARALLEL FAN POWERED TERMINAL UNIT
	BASE MOUNTED PUMP		AIR SEPARATOR		UNIT HEATER

PIPING LINE SYMBOLS

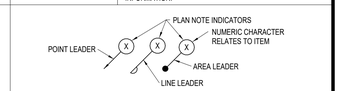
MAKE UP WATER	MU	DOMESTIC COLD WATER (CW)	
AIR RELIEF VENT	ARV	DOMESTIC HOT WATER SUPPLY (HW)	
HEATING WATER SUPPLY	HS	DOMESTIC HOT WATER RETURN (HWR)	
HEATING WATER RETURN	HR	140°F HOT WATER	HW 140
REFRIGERANT DISCHARGE	RD	140°F HOT WATER RETURN	HWR 140
REFRIGERANT SUCTION	RS	NON-POTABLE WATER	NPW
REFRIGERANT LIQUID	RL	SOFT COLD WATER	SCW
REFRIGERANT HOT GAS	RHG	DEIONIZED WATER	DE
CONDENSER WATER SUPPLY	CS	FIRE SUPPRESSION	F
CONDENSER WATER RETURN	CR	NATURAL GAS (WC OR PSIG)	G
CHILLED WATER SUPPLY	CHS	GAS VENT	GV
CHILLED WATER RETURN	CHR	LIQUID PETROLEUM	LP
CONDENSATE DRAIN	CD	MEDICAL COMPRESSED AIR (WC OR PSIG)	MA
STORM DRAIN	ST	MEDICAL VACUUM	MV
FOOTING/FOUNDATION DRAIN	FD	OXYGEN	O
SANITARY WASTE OR SOIL (W)	W	NITROGEN	N
SANITARY GREASE	SG	NITROUS OXIDE	NO
SANITARY FORCED MAIN	FM	CARBON DIOXIDE	CO_2
SANITARY VENT (V)		COMPRESSED AIR (WC OR PSIG)	A
ACID WASTE	AW	GLYCOL LOOP SUPPLY	GS
ACID VENT	AV	GLYCOL LOOP RETURN	GR
DRAIN	D		
INDIRECT WASTE	IW		
PUMP DISCHARGE	PD		

REFERENCE SYMBOLS

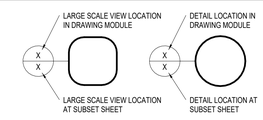
SECTION INDICATOR:	REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.



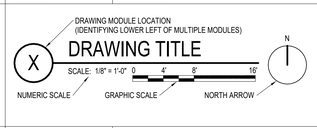
PLAN NOTE INDICATOR:	REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.



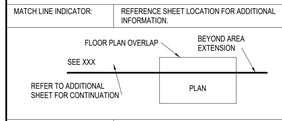
DETAIL INDICATOR:	REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.



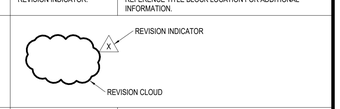
DRAWING BLOCK TITLE INDICATOR:	REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.



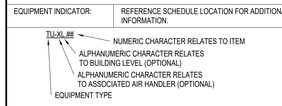
MATCH LINE INDICATOR:	REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.



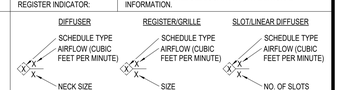
REVISION INDICATOR:	REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.



EQUIPMENT INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.



DIFFUSER, GRILLE, REGISTER INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.



GENERAL MECHANICAL NOTES

1. VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BIDDING AND BEFORE BEGINNING WORK.
2. REVIEW WORK OF OTHER TRADES. COORDINATE AND PLAN WORK WITH THE OTHER TRADES. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS. THE ENGINEERING DRAWINGS ARE OF EQUAL IMPORTANCE WITH THE ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS THE DISCREPANCY SHALL BE BROUGHT TO THE ARCHITECTS/ENGINEERS ATTENTION FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR.
4. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
5. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. ANY OFFSETS, ADDITIONAL FITTINGS, AND/OR APPURTENANCES SHALL BE PROVIDED AS REQUIRED.
6. PERFORM ALL WORK IN A SKILLED, PROFESSIONAL MANNER MEETING THE ACCEPTANCE OF THE ENGINEER, ARCHITECT AND OWNER.
7. LABEL ALL ROOM THERMOSTATS AND/OR SENSOR DEVICES AS TO WHAT THE DEVICE CONTROLS WITH A PLASTIC ENGRAVED LABEL AFFIXED TO THE COVERS.
8. SMALLEST PIPE SIZE ALLOWABLE IS 3/4" UNLESS NOTED OTHERWISE.
9. MOUNTING HEIGHTS OF DEVICES SHALL FOLLOW THE LISTING BELOW UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS:
   THERMOSTAT OR TEMPERATURE/HUMIDITY SENSOR... +48" TO TOP
10. PAINT PIPING IN MECHANICAL ROOMS. REFER TO SPECIFICATIONS FOR COLOR CODING. PREPAINT ALL STEEL CHILLED WATER PIPING PRIOR TO INSULATING.
11. CLEAN ALL EQUIPMENT TO PRESENT A 'LIKE NEW' CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
12. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
13. OFFSET PIPING AND DUCTWORK AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRICAL CODE.
14. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL MECHANICAL ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS. (I.E. WALL HYDRANTS, LOUVERS, ETC.).
15. DEMOLITION/REMODEL
    A. ALL MATERIALS REMOVED AND NOT RELOCATED BECOME THE PROPERTY OF THE CONTRACTOR. REMOVE MATERIALS FROM THE PROJECT SITE UNLESS NOTED OTHERWISE. OWNER HAS THE OPTION TO REVIEW ITEMS PRIOR TO REMOVAL AND RETAIN IF DESIRED.
    B. PATCH WALLS, FLOORS, CEILINGS, COLUMNS AND PENETRATIONS, ETC. WHERE ITEMS ARE REMOVED TO MATCH FINISH OF ADJACENT SURFACES.
    C. RELOCATE EXISTING ITEMS AS REQUIRED FOR INSTALLATION OF WALLS, CEILINGS, DUCTWORK AND PIPING EQUIPMENT.
    D. REMOVE ALL PIPING, DUCTWORK, CONTROLS, SUPPORTS, ETC. MADE UNNECESSARY OR OBSOLETE AS A RESULT OF THIS PROJECT.
    E. ALL ITEMS WITH NOTATION 'EX' ARE TO REMAIN.
    F. ALL ITEMS WITH NOTATION 'R' ARE RELOCATED, AS NOTED.
16. VERIFY DIMENSIONS GIVEN IN THE ARCHITECTS PLANS FOR EXACT LOCATIONS. IF DISCREPANCIES ARE FOUND, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION. EXPLICIT DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE.
17. REFER TO MANUFACTURER'S INSTALLATION AND TEMPLATE DRAWINGS FOR ALL MECHANICAL EQUIPMENT SUPPORTS, BOLT SETTING TEMPLATES, ISOLATORS, SPRING ISOLATION, ETC.
18. BRANCH DUCTWORK TO DIFFUSER SHALL BE SAME SIZE AS DIFFUSER INLET UNLESS SPECIFICALLY LABELED OTHERWISE.

NOTATION DESIGNATORS

GENERAL MECHANICAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN THE DISCIPLINE.
GENERAL SHEET NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR.
SHEET PLAN NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR AND USE A PLAN NOTE INDICATOR TO IDENTIFY ITEMS.

SHEET PLAN NOTES

1.

DISCIPLINE DESIGNATORS

M-000	MECHANICAL
FP000	FIRE SUPPRESSION
P-000	PLUMBING
PD000	PLUMBING DEMOLITION
H-000	HVAC
HD000	HVAC DEMOLITION
HP000	HVAC PIPING

SHEET TYPE DESIGNATORS

000	GENERAL (SYMBOLS, ABBREVIATIONS, NOTES)
100	PLANS
200	PLANS (SECONDARY)
300	ENLARGED PLANS & SECTIONS
400	SCHEMATICS & DIAGRAMS
500	SCHEDULES
600	DETAILS
700	CONTROL DIAGRAMS
800	(USER DEFINED)
900	3D REPRESENTATIONS (ISOMETRICS)

LINETYPE DESIGNATORS

———	THIN CONTINUOUS LINETYPE INDICATE EXISTING ITEMS.
— — —	INTERMEDIATE DASHED LINETYPE INDICATE ITEMS TO BE REMOVED ON COMBINATION PLANS.
— — —	INTERMEDIATE OR WIDE CONTINUOUS LINETYPE INDICATE WORK TO BE INCLUDED.
———	THIN HALFTONE LINETYPE INDICATE ITEMS BY OTHER DISCIPLINE.
	INDICATES POINT OF CONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.
	INDICATES POINT OF DISCONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.

NOT ALL NOTES, DESIGNATORS, SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PROJECT

STUDIOAXIS

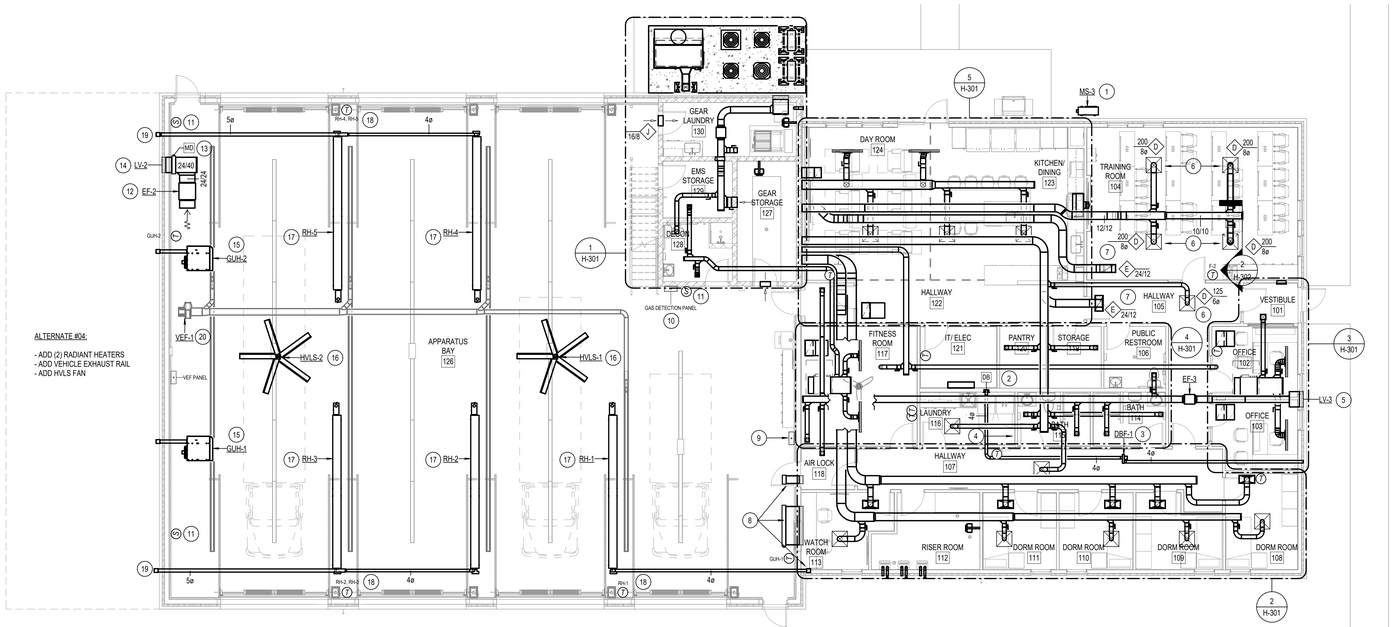
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
133 N Pennsylv



1 FIRST FLOOR HVAC PLAN

1/8" = 1'-0"

0 4' 8' 16'

N

GENERAL HVAC NOTES:

A. REFERENCE SHEET M-000 FOR HVAC SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
C. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EQUIPMENT AIR INTAKES AND ALL SOURCES OF EXHAUST, INCLUDING PLUMBING VENTS.
D. ALL AIR TERMINALS AND DUCTWORK CONNECTED TO THE EXHAUST SIDE OF THE DOAS UNIT SHALL BE ALUMINUM.
E. ALL REFRIGERANT PIPING SHALL BE TYPE L, HARD DRAWN, SEAMLESS COPPER, CLEANED, DEHYDRATED, AND SEALED. FITTINGS SHALL BE WROUGHT COPPER AND JOINTS SHALL BE INSULTED. SOFT LINESETS ARE NOT PERMITTED.
F. ALL REFRIGERANT PIPING SHALL BE INSULATED PER THE PROJECT SPECIFICATIONS.
G. BRANCH DUCTWORK SHALL BE SAME SIZE AS NECK OF AIR DEVICE UNLESS OTHERWISE NOTED.
H. EXPOSED DUCTWORK SHALL BE DOUBLE WALL AND PAINT GRIP FINISH. DUCT TAGS INDICATE INSIDE DIMENSIONS. ACCOUNT FOR THICKNESS OF LINER.
I. GRILLE, REGISTER, DIFFUSER, AND LOUVER FINISHES SHALL BE DETERMINED BY PROJECT ARCHITECT.
J. MECHANICAL CONTROL DEVICES SHALL BE INSTALLED 48" AFF TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
K. CONDENSATE SHALL TERMINATE AT NEAREST APPROVED FIXTURE WITH AN AIR GAP.
L. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ITEMS HANGING IN APPARATUS BAY INCLUDING BUT NOT LIMITED TO LIGHTS, HVLS FANS, RADIANT HEATERS, VEHICLE EXHAUST SYSTEM, GARAGE DOORS) INCLUDING TRACKS), AND DUCTWORK.

SHEET PLAN NOTES

1 PROVIDE MANUFACTURER WALL MOUNTING BRACKET AND INSTALL MINISPLIT 7'-0" AFF.
2 PROVIDE DRYER BOX AND ROUTE 4"Ø DRYER DUCT UP TO ABOVE CEILING AND TO DRYER BOOSTER FAN.
3 PROVIDE DRYER BOOSTER FAN AND INSTALL ABOVE ACCESSIBLE CEILING A MINIMUM DISTANCE OF 30' AWAY FROM DRYER.
4 INSTALL DRYER BOOSTER NOTIFICATION PANEL IN VISIBLE LOCATION NEAR DRYER.
5 INSTALL LOUVER 14'-0" AFF TO BOTTOM OF LOUVER. CENTER BETWEEN EXTERIOR PANELING.
6 <varies>
7 <varies>
8 SEE H-102.
9 INSTALL HVLS HMI CONTROLLER 48" AFF. SEE MEZZANINE FOR HVLS CONTROL PANEL LOCATION.
10 PROVIDE GAS DETECTION SYSTEM CONTROLLER AGS MODEL AGSDPPS FOR AUTOMATIC CONTROL OF VENTILATION SYSTEM IN APPARATUS BAY UPON DETECTION OF CO AND/OR NO2 EXCEEDING SYSTEM SETPOINTS. WHEN GAS LEVELS ACTIVATE THE SYSTEM THE CONTROLLER SHALL ACTIVATE AN AUDIBLE ALARM AND FIELD SUPPLIED STROBE. ENERGIZE LV-3'S NORMALLY CLOSED MOTORIZED DAMPER, AND ENERGIZE EF-2 AND EF-2'S NORMALLY CLOSED MOTORIZED DAMPER. INSTALL PANEL AND STROBE 5'-0" AFF.
11 COMBINATION CO/NO2 SENSOR AGS MODEL AGSGM100. SENSORS SHALL BE POWERED BY AND DAISY CHAINED IN SERIES TO FROM CONTROLLER PER THE MANUFACTURER IOM.
12 INSTALL INLINE EXHAUST FAN 17'-0" AFF TO BOTTOM OF FAN. TAP EXHAUST FAN DISCHARGE DUCT INTO LOUVER PLENUM. FAN TO BE CONTROLLED BY GAS DETECTION SYSTEM VIA MOTOR STARTER. COORDINATE WITH EC.
13 PROVIDE MOTORIZED DAMPER WITH NORMALLY CLOSED 120V ACTUATOR. MOTORIZED DAMPER TO OPEN UPON SIGNAL FROM GAS DETECTION PANEL.
14 INSTALL LOUVER 16'-6" AFF TO BOTTOM. CENTER BETWEEN EXTERIOR PANELING.
15 INSTALL GAS-FIRED UNIT HEATER 17'-0" AFF. ROUTE FLUE THROUGH EXTERIOR WALL PER THE MANUFACTURER IOM AND TERMINATE WITH MANUFACTURER VENT CAP.
16 INSTALL HVLS FAN 16'-6" AFF OR SAME ELEVATION AS LIGHTING. COORDINATE DOWNROD LENGTHS WITH OTHER TRADE ELEVATIONS.
17 INSTALL GAS-FIRED RADIANT HEATER 14'-0" AFF TO BOTTOM OF HEATER.
18 INSTALL RADIANT HEAT THERMOSTAT 5'-0" AFF. HEATERS SHARING A COMMON VENT MUST BE CONTROLLED BY A SINGLE THERMOSTAT.
19 ROUTE RADIANT HEATER FLUE TO EXTERIOR WALL PER THE MANUFACTURER IOM AND TERMINATE WITH MANUFACTURER VENT CAP.
20 VEHICLE EXHAUST SYSTEM IS A DELEGATED DESIGN AND SHOWN FOR COORDINATION PURPOSES. REFER TO MANUFACTURER AND SEE SHEET H-401.
29 BRANCH DUCT ROUTED IN ATTIC. ROUTE DOWN THROUGH GYPSUM LID AND TRANSITION TO INSULATED FLEX DUCT BETWEEN GYP AND LAY-IN CEILING. SEAL PENETRATION AIR TIGHT.
30 TAP BOTTOM OF MAIN SUPPLY DUCT AND SHEET METAL BRANCH DUCT DOWN THROUGH GYPSUM LID. TRANSITION TO FLEX DUCT IN CEILING PLENUM AND CONNECT TO SLOT DIFFUSER. PROVIDE VOLUME DAMPER.
31 SET SLOT DIFFUSER ICE TONG PATTERN CONTROLLERS TO THROW AIR HORIZONTALLY IN BOTH DIRECTIONS.
32 ROUTE RETURN DUCT FROM MEZZANINE DOWN THROUGH GYPSUM LID. TERMINATE RETURN DUCT IN CEILING PLENUM WITH 1/2" X 1/2" GALVANIZED STEEL MESH.
33 PROVIDE RESIDENTIAL UNDER CABINET RANGE HOOD LIKE BROAN 40000 SERIES. PROVIDE HOOD WITH BACK DISCHARGE CONNECTION AND ROUTE 10/3.25 EXHAUST DUCT INTO ARCHITECTURAL CHASE AND UP TO ROOF. SEE H-102 FOR TERMINATION.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10910218
STATE OF INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR HVAC PLAN

H-101

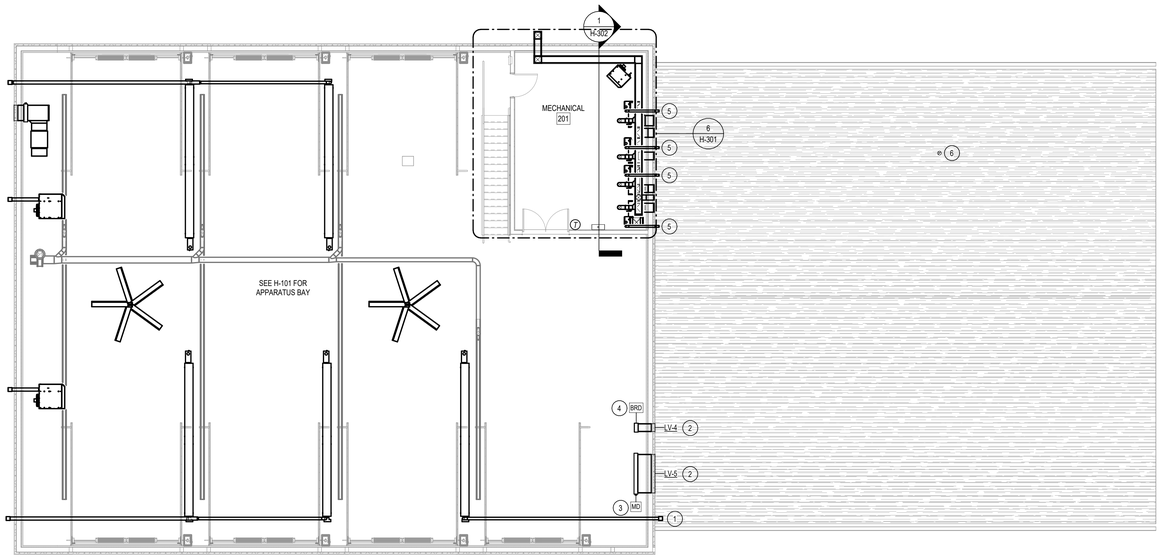
5/13/2026 4:57:22 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-M5y-nineveh101_Mech.rvt

GENERAL HVAC NOTES:

A. REFERENCE SHEET M-000 FOR HVAC SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
C. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EQUIPMENT AIR INTAKES AND ALL SOURCES OF EXHAUST, INCLUDING PLUMBING VENTS.
D. ALL AIR TERMINALS AND DUCTWORK CONNECTED TO THE EXHAUST SIDE OF THE DOAS UNIT SHALL BE ALUMINUM.
E. ALL REFRIGERANT PIPING SHALL BE TYPE L, HARD DRAWN, SEAMLESS COPPER, CLEANED, DEHYDRATED, AND SEALED. FITTINGS SHALL BE WROUGHT COPPER AND JOINTS SHALL BE INSULTED. SOFT LINESETS ARE NOT PERMITTED.
F. ALL REFRIGERANT PIPING SHALL BE INSULATED PER THE PROJECT SPECIFICATIONS.
G. BRANCH DUCTWORK SHALL BE SAME SIZE AS NECK OF AIR DEVICE UNLESS OTHERWISE NOTED.
H. EXPOSED DUCTWORK SHALL BE DOUBLE WALL AND PAINT GRIP FINISH. DUCT TAGS INDICATE INSIDE DIMENSIONS. ACCOUNT FOR THICKNESS OF LINER.
I. GRILLE, REGISTER, DIFFUSER, AND LOUVER FINISHES SHALL BE DETERMINED BY PROJECT ARCHITECT.
J. MECHANICAL CONTROL DEVICES SHALL BE INSTALLED 48" AFF TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
K. CONDENSATE SHALL TERMINATE AT NEAREST APPROVED FIXTURE WITH AN AIR GAP.
L. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ITEMS HANGING IN APPARATUS BAY INCLUDING BUT NOT LIMITED TO LIGHTS, HVLS FANS, RADIANT HEATERS, VEHICLE EXHAUST SYSTEM, GARAGE DOORS) INCLUDING TRACKS), AND DUCTWORK.

SHEET PLAN NOTES

1 ROUTE RADIANT HEATER FLUE TO EXTERIOR WALL PER THE MANUFACTURER IOM AND TERMINATE WITH MANUFACTURER VENT CAP.
2 INSTALL LOUVER 17'-0" AFF TO BOTTOM. CENTER BETWEEN EXTERIOR PANELING.
3 PROVIDE MOTORIZED DAMPER WITH NORMALLY CLOSED 120V ACTUATOR. MOTORIZED DAMPER TO OPEN UPON SIGNAL FROM GAS DETECTION PANEL.
4 PROVIDE BAROMETRIC RELIEF DAMPER. SET START OPEN TO .05" W.C. GREENHECK MODEL BR-3X.
5 TERMINATE GAS FURNACE FLUE WITH MANUFACTURER VENT CAP.
6 TERMINATE KH-1 EXHAUST WITH ROOF JACK.



1 MEZZANINE HVAC PLAN
1/8" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10910218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

MEZZANINE FLOOR PLAN AND LOW ROOF HVAC PLAN

H-102

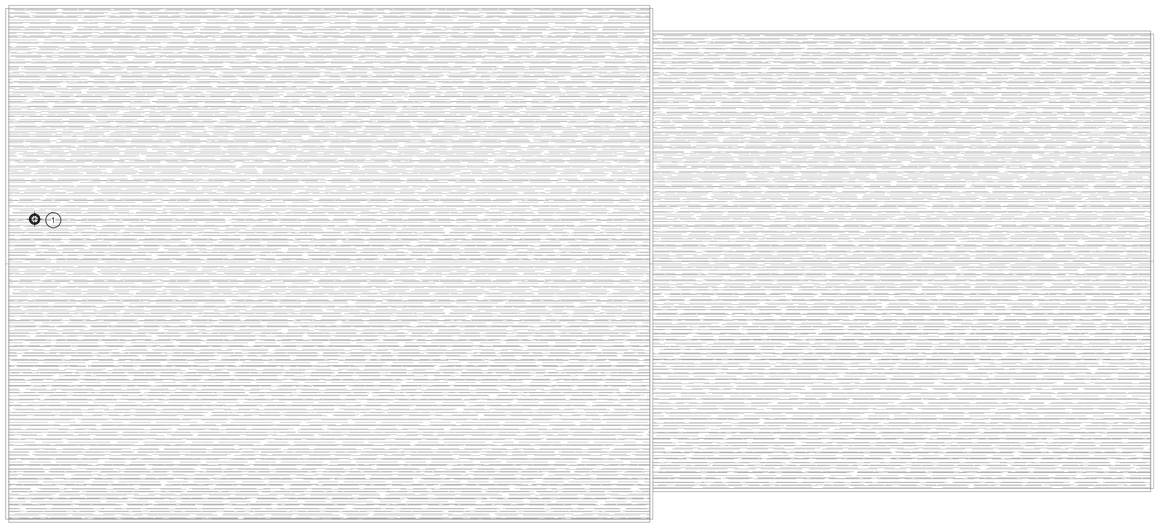
Autodesk Docs://25033 - Nineveh Fire FD Station 101/25033-Kyle-Nineveh#101_MechA.rvt
5/13/2026 4:21:26 PM

GENERAL HVAC NOTES:

A. REFERENCE SHEET M-000 FOR HVAC SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
C. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EQUIPMENT AIR INTAKES AND ALL SOURCES OF EXHAUST, INCLUDING PLUMBING VENTS.
D. ALL AIR TERMINALS AND DUCTWORK CONNECTED TO THE EXHAUST SIDE OF THE DOAS UNIT SHALL BE ALUMINUM.
E. ALL REFRIGERANT PIPING SHALL BE TYPE L, HARD DRAWN, SEAMLESS COPPER, CLEANED, DEHYDRATED, AND SEALED. FITTINGS SHALL BE WROUGHT COPPER AND JOINTS SHALL BE INSULTED. SOFT LINESETS ARE NOT PERMITTED.
F. ALL REFRIGERANT PIPING SHALL BE INSULATED PER THE PROJECT SPECIFICATIONS.
G. BRANCH DUCTWORK SHALL BE SAME SIZE AS NECK OF AIR DEVICE UNLESS OTHERWISE NOTED.
H. EXPOSED DUCTWORK SHALL BE DOUBLE WALL AND PAINT GRIP FINISH. DUCT TAGS INDICATE INSIDE DIMENSIONS. ACCOUNT FOR THICKNESS OF LINER.
I. GRILLE, REGISTER, DIFFUSER, AND LOUVER FINISHES SHALL BE DETERMINED BY PROJECT ARCHITECT.
J. MECHANICAL CONTROL DEVICES SHALL BE INSTALLED 48" AFF TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
K. CONDENSATE SHALL TERMINATE AT NEAREST APPROVED FIXTURE WITH AN AIR GAP.
L. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ITEMS HANGING IN APPARATUS BAY INCLUDING BUT NOT LIMITED TO LIGHTS, HVLS FANS, RADIANT HEATERS, VEHICLE EXHAUST SYSTEM, GARAGE DOORS) INCLUDING TRACKS), AND DUCTWORK.

SHEET PLAN NOTES

1 VEHICLE EXHAUST SYSTEM IS A DELEGATED DESIGN AND SHOWN FOR COORDINATION PURPOSES. REFER TO MANUFACTURER AND SEE SHEET H-401. VEHICLE EXHAUST PROVIDED WITH MANUFACTURER DUCT SILENCER AND RAIN CAP.



1 ROOF HVAC PLAN
1/8" = 1'-0" 0 4' 8' 16'
N

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10810218
STATE OF INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

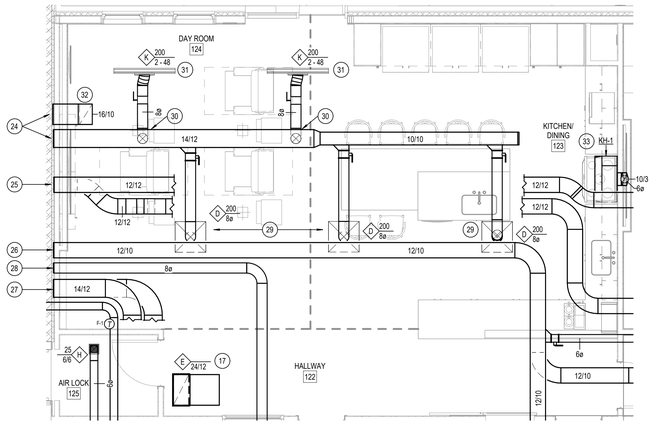
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

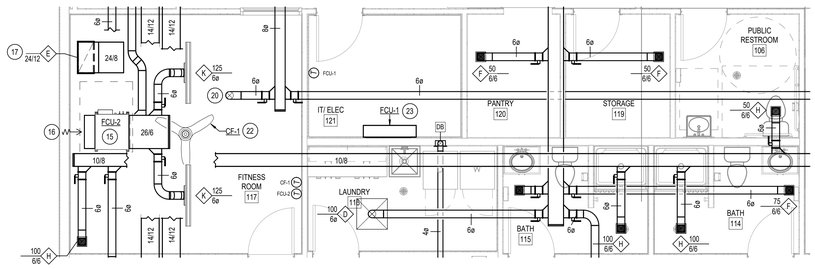
ROOF HVAC PLAN

H-103

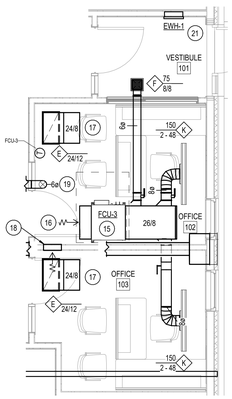
5/13/2026 4:21:28 PM Autodesk Docs://25033 - Nineveh Fire FD Station 101/25033-#25s-Nineveh#101_MechA.rvt



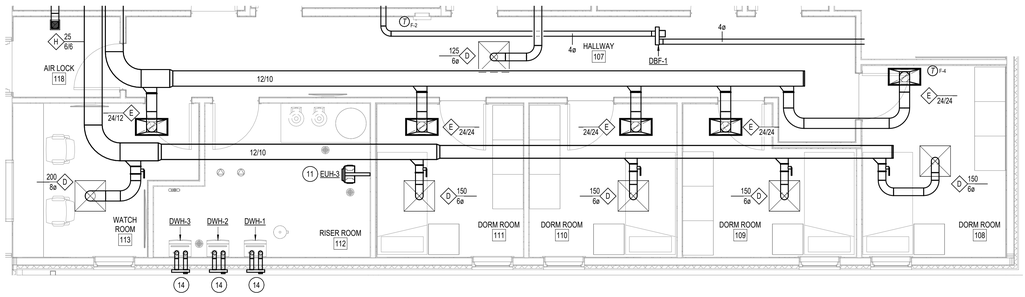
5 KITCHEN/DINING + DAYROOM
1/4" = 1'-0"



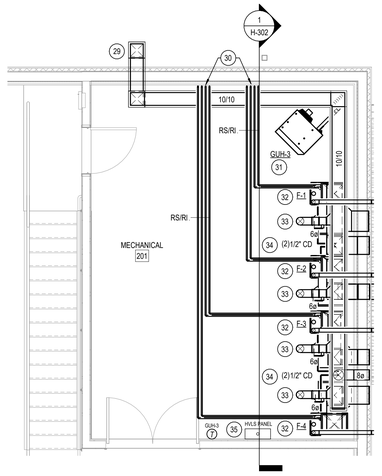
4 INTERIOR SPACES
1/4" = 1'-0"



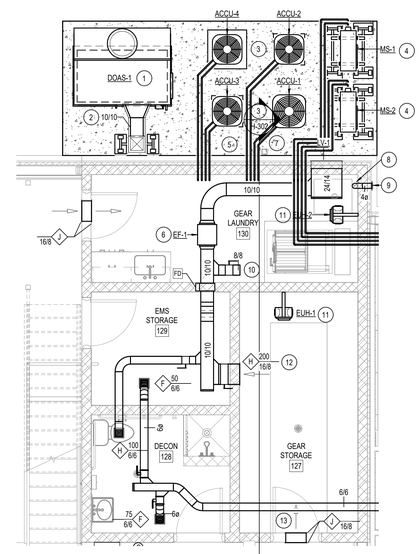
3 OFFICES
1/4" = 1'-0"



2 DORMS, RISER ROOM, WATCH ROOM
1/4" = 1'-0"



6 MECHANICAL MEZZANINE
1/4" = 1'-0"



1 APPARATUS SUPPORT ROOMS
1/4" = 1'-0"

GENERAL HVAC NOTES:

A. REFERENCE SHEET M-000 FOR HVAC SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
C. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EQUIPMENT AIR INTAKES AND ALL SOURCES OF EXHAUST, INCLUDING PLUMBING VENTS.
D. ALL AIR TERMINALS AND DUCTWORK CONNECTED TO THE EXHAUST SIDE OF THE DOAS UNIT SHALL BE ALUMINUM.
E. ALL REFRIGERANT PIPING SHALL BE TYPE L, HARD DRAWN, SEAMLESS COPPER, CLEANED, DEHYDRATED, AND SEALED. FITTINGS SHALL BE WROUGHT COPPER AND JOINTS SHALL BE INSULTED. SOFT LINESETS ARE NOT PERMITTED.
F. ALL REFRIGERANT PIPING SHALL BE INSULATED PER THE PROJECT SPECIFICATIONS.
G. BRANCH DUCTWORK SHALL BE SAME SIZE AS NECK OF AIR DEVICE UNLESS OTHERWISE NOTED.
H. EXPOSED DUCTWORK SHALL BE DOUBLE WALL AND PAINT GRIP FINISH. DUCT TAGS INDICATE INSIDE DIMENSIONS. ACCOUNT FOR THICKNESS OF LINER.
I. GRILLE, REGISTER, DIFFUSER, AND LOUVER FINISHES SHALL BE DETERMINED BY PROJECT ARCHITECT.
J. MECHANICAL CONTROL DEVICES SHALL BE INSTALLED 48" AFF TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
K. CONDENSATE SHALL TERMINATE AT NEAREST APPROVED FIXTURE WITH AN AIR GAP.
L. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ITEMS HANGING IN APPARATUS BAY INCLUDING BUT NOT LIMITED TO LIGHTS, HVLS FANS, RADIANT HEATERS, VEHICLE EXHAUST SYSTEM, GARAGE DOORS) INCLUDING TRACKS), AND DUCTWORK.

SHEET PLAN NOTES

1 INSTALL DOAS UNIT ON MANUFACTURER 18" CURB AND SECURE TO CONCRETE PAD. SEE CIVIL PLANS FOR PAD DETAILS.
2 ROUTE VENTILATION DUCTWORK UP EXTERIOR WALL TO MEZZANINE AND SUPPORT DUCT FROM EXTERIOR WALL WITH ANGLE BRACKETS. PROVIDE MIRO DUCT SUPPORT AT BOTTOM OF RISER AND ANCHOR TO CONCRETE PAD.
3 INSTALL CONDENSING UNIT ON MIRO MECHANICAL UNIT SUPPORT AND SECURE TO CONRETE PAD.
4 INSTALL MINISPLITS ON MIRO HD MECHANICAL SUPPORT RAIL. SECURE UNIT TO RAIL AND EQUIPMENT SUPPORT TO CONCRETE PAD.
5 PLACEHOLDER.
6 INSTALL INLINE EXHAUST FAN 8'-0" AFF TO BOTTOM OF FAN. TAP EXHAUST FAN DISCHARGE DUCT INTO LOUVER PLENUM. FAN TO OPERATE CONTINUOUSLY.
7 INSTALL LOUVER 8'-0" AFF TO BOTTOM. CENTER BETWEEN EXTERIOR PANELING.
8 ROUTE 4" DRYER DUCT UP AND TO EXTERIOR WALL. COORDINATE LOCATION WITH DRYER DUCT CONNECTION.
9 TERMINATE DRYER VENT WITH WALL CAP DWV4K 8'-4" AFF CENTERED BETWEEN EXTERIOR PANELING
10 BALANCE EXHAUST DAMPER TO 200 CFM. TERMINATE OPEN END WITH 1/2" X 1/2" GALVANIZED STEEL MESH.
11 INSTALL ELECTRIC UNIT HEATER 7'-6" AFF TO BOTTOM OF HEATER WITH MANUFACTURER WALL BRACKET.
12 INSTALL EXHAUST GRILLE 8'-6" AFF TO BOTTOM OF AIR DEVICE OR NEAREST FULL CMU BLOCK.
13 INSTALL TRANSFER GRILLES 8'-6" AFF TO BOTTOM OF AIR DEVICES OR NEAREST FULL CMU BLOCK CENTERED ABOVE DOOR.
14 TERMINATE DOMESTIC WATER HEATER FLUE AND COMBUESTION AIR WITH MANUFACTURER LOW PROFILE CONCENTRIC VENT KIT 8'-6" AFF TO BOTTOM OF VENT PER THE MANUFACTURER IOM.
15 INSTALL MINISPLIT INDOOR UNIT BETWEEN LAY-IN CEILING AND GYP LID. PROVIDE VIBRATION ISOLATORS AND SUPPORT FROM ROOF STRUCTURE. CAREFULLY COORDINATE UNIT AND DUCT INSTALLATION WITH OTHER DISCIPLINES. MAINTAIN SERVICE CLEARANCE ABOVE CEILING.
16 INSTALL MANUFACTURER FILTER BOX ON RETURN INLET OF UNIT.
17 PROVIDE RETURN AIR SOUND BAFFLE.
18 PROVIDE 14/6 TRANSFER OPENING 9'-6" AFF FOR RETURN AIR PATH
19 OUTSIDE AIR DUCT ROUTED THROUGH ATTIC AND DUCTED DOWN INTO CEILING PLENUM. BALANCE TO 50 CFM.
20 OUTSIDE AIR DUCT ROUTED THROUGH ATTIC AND DUCTED DOWN INTO CEILING PLENUM. BALANCE TO 50 CFM.
21 INSTALL ELECTRIC WALL HEATER 18" AFF TO BOTTOM OF HEATER.
22 PROVIDE 6" DOWNROD AND INSTALL FAN ON FITNESS ROOM CEILING. PROVIDE SUPPLEMENTAL MATERIALS FOR SUPPORTING FAN FROM STRUCTURE PER THE MANUFACTURER IOM.
23 INSTALL MINISPLIT INDOOR UNIT 7'-6" AFF TO BOTTOM OF UNIT. COORDINATE WITH IT/ELECTRICAL EQUIPMENT AND CABLETRAYS.
24 F-1 SUPPLY AND RETURN DUCT FROM MEZZANINE ROUTED IN ATTIC. SEE H-102 AND H-301 FOR CONTINUATION.
25 F-2 STACKED SUPPLY AND RETURN DUCT FROM MEZZANINE ROUTED IN ATTIC. SEE H-102 AND H-301 FOR CONTINUATION.
26 F-3 STACKED SUPPLY AND RETURN DUCT FROM MEZZANINE ROUTED IN ATTIC. SEE H-102 AND H-301 FOR CONTINUATION.
27 F-4 STACKED SUPPLY AND RETURN DUCT FROM MEZZANINE ROUTED IN ATTIC. SEE H-102 AND H-301 FOR CONTINUATION.
28 OUTSIDE AIR DUCT FROM MEZZANINE ROUTED IN ATTIC. SEE H-102 AND H-301 FOR CONTINUATION.
29 OUTSIDE AIR FROM DOAS-1 ROUTED THROUGH EXTERIOR WALL. INSTALL BOTTOM OF DUCT 8'-0" AFF OF MEZZANINE.
30 REFRIGERANT PIPE UP THROUGH MEZZANINE FLOOR FROM LEVEL BELOW. SEE HP-101 FOR CONTINUATION. COORDINATE PIPE ROUTING WITH OTHER TRADES.
31 INSTALL GAS UNIT HEATER 7'-0" AFF TO BOTTOM OF HEATER. ROUTE FLUE THROUGH EXTERIOR WALL PER THE MANUFACTURER IOM AND TERMINATE WITH MANUFACTURER VENT CAP.
32 INSTALL FURNACE ON 3/8" NEOPRENE PAD.
33 ROUTE OUTSIDE AIR DUCT DOWN AND AND TAP INTO SIDE OF FURNACE RETURN PLENUM. BALANCE OUTSIDE AIR TO CFM LISTED ON H-501.
34 ROUTE 3/4" CONDENSATE DRAIN TO NEAREST FLOOR DRAIN PER THE MANUFACTURER IOM AND TERMINATE WITH AIR GAP.
35 HLVS CONTROL PANEL. COORDINATE RECEPTACLE WITH EC.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10910218
STATE OF INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ENLARGED HVAC PLANS AND SECTIONS

H-301

5/13/2026 4:21:33 PM Autodesk Docs://2025013 - Nineveh Twp FD Station 101/25033-A25y-Nineveh FD101_Mech.rvt

2 TYPICAL SUPPLY DUCT TO DIFFUSER SECTION
1" = 1'-0"

1 MECHANICAL MEZZANINE SECTION
1/4" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-951-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10910218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

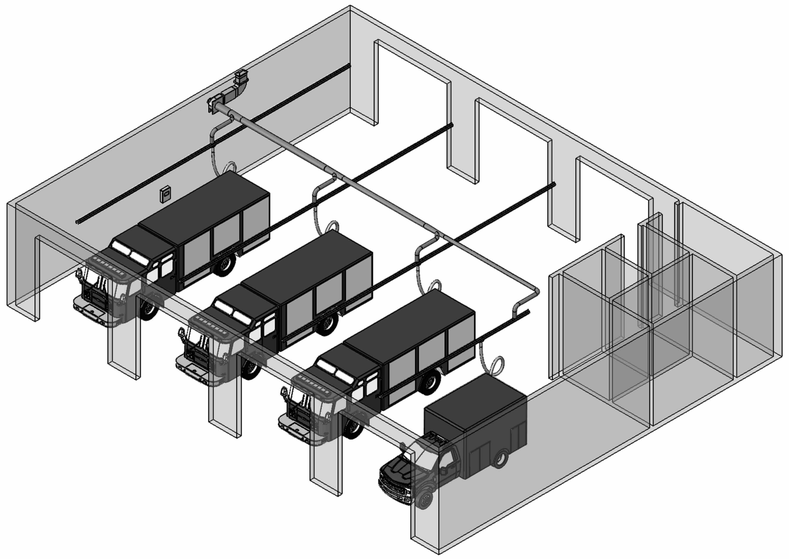
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ENLARGED HVAC PLANS AND SECTIONS

H-302

5/13/2026 4:21:59 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-26-Nineveh101_MechV1.rvt



DO NOT SCALE DRAWING

CONFIDENTIAL
PROPERTY OF HASTINGS AIR ENERGY CONTROL INC.
DO NOT DUPLICATE WITHOUT AUTHORIZATION

HASTINGS
air energy control, inc.

HASTINGS AIR ENERGY CONTROL, INC
5555 South Westridge Drive
New Berlin, WI 53151-7900
P:800.236.8450
F: 800.260.9199

DISCLAIMER: THIS DRAWING CONTAINS INFORMATION
WHICH IS CONFIDENTIAL AND PROPRIETARY, AND
MUST BE KEPT CONFIDENTIAL, AND NOT BE DISCLOSED,
IN WHOLE OR IN PART, TO ANYONE,
WITHOUT PRIOR
WRITTEN AUTHORIZATION FROM
HASTINGS AIR ENERGY
CONTROL INC, BY ACCESSING THIS DOCUMENT YOU
AGREE TO KEEP CONFIDENTIAL ALL THE INFORMATION DISCLOSED IN THE FILE AND RELATED MATERIAL.

NOTES:

NINEVEH
FD

REVISIONS	NO.	DATE	DESCRIPTION

SALES REP. DEAN HAVNEN	DATE 5/11/2026
DRAWN BY NOAH OPRONDEK	SCALE 1:100
Job #: HASC.1375.001	Sheet #: 3 OF 3

GENERAL HVAC NOTES:

A. REFERENCE SHEET M-000 FOR HVAC SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
C. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EQUIPMENT AIR INTAKES AND ALL SOURCES OF EXHAUST, INCLUDING PLUMBING VENTS.
D. ALL AIR TERMINALS AND DUCTWORK CONNECTED TO THE EXHAUST SIDE OF THE DOAS UNIT SHALL BE ALUMINUM.
E. ALL REFRIGERANT PIPING SHALL BE TYPE L, HARD DRAWN, SEAMLESS COPPER, CLEANED, DEHYDRATED, AND SEALED. FITTINGS SHALL BE WROUGHT COPPER AND JOINTS SHALL BE INSULTED. SOFT LINESETS ARE NOT PERMITTED.
F. ALL REFRIGERANT PIPING SHALL BE INSULATED PER THE PROJECT SPECIFICATIONS.
G. BRANCH DUCTWORK SHALL BE SAME SIZE AS NECK OF AIR DEVICE UNLESS OTHERWISE NOTED.
H. EXPOSED DUCTWORK SHALL BE DOUBLE WALL AND PAINT GRIP FINISH. DUCT TAGS INDICATE INSIDE DIMENSIONS. ACCOUNT FOR THICKNESS OF LINER.
I. GRILLE, REGISTER, DIFFUSER, AND LOUVER FINISHES SHALL BE DETERMINED BY PROJECT ARCHITECT.
J. MECHANICAL CONTROL DEVICES SHALL BE INSTALLED 48" AFF TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
K. CONDENSATE SHALL TERMINATE AT NEAREST APPROVED FIXTURE WITH AN AIR GAP.
L. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ITEMS HANGING IN APPARATUS BAY INCLUDING BUT NOT LIMITED TO LIGHTS, HVLS FANS, RADIANT HEATERS, VEHICLE EXHAUST SYSTEM, GARAGE DOORS) INCLUDING TRACKS), AND DUCTWORK.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

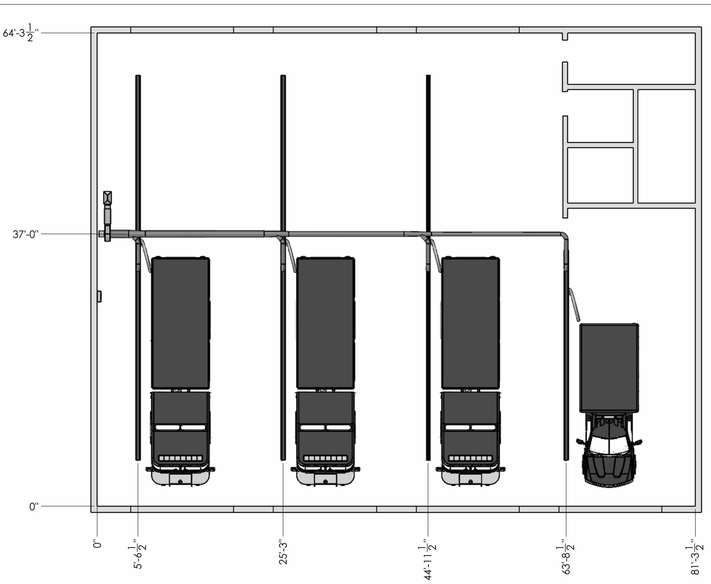
CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200



DO NOT SCALE DRAWING

CONFIDENTIAL
PROPERTY OF HASTINGS AIR ENERGY CONTROL INC.
DO NOT DUPLICATE WITHOUT AUTHORIZATION

HASTINGS
air energy control, inc.

HASTINGS AIR ENERGY CONTROL, INC
5555 South Westridge Drive
New Berlin, WI 53151-7900
P:800.236.8450
F: 800.260.9199

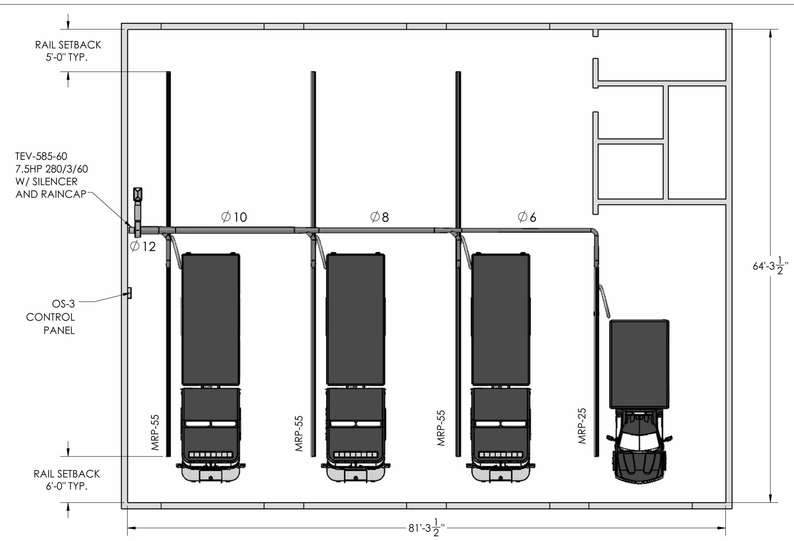
DISCLAIMER: THIS DRAWING CONTAINS INFORMATION
WHICH IS CONFIDENTIAL AND PROPRIETARY, AND
MUST BE KEPT CONFIDENTIAL, AND NOT BE DISCLOSED,
IN WHOLE OR IN PART, TO ANYONE,
WITHOUT PRIOR
WRITTEN AUTHORIZATION FROM
HASTINGS AIR ENERGY
CONTROL INC, BY ACCESSING THIS DOCUMENT YOU
AGREE TO KEEP CONFIDENTIAL ALL THE INFORMATION DISCLOSED IN THE FILE AND RELATED MATERIAL.

NOTES:

NINEVEH
FD

REVISIONS	NO.	DATE	DESCRIPTION

SALES REP. DEAN HAVNEN	DATE 5/11/2026
DRAWN BY NOAH OPRONDEK	SCALE 1:100
Job #: HASC.1375.001	Sheet #: 2 OF 3



NOTE:

- ALL RAILS TO BE MOUNTED 13'-6" AFF - RAIL SETBACK FROM OVERHEAD DOOR OPENING 6'-0" FRONT, 5'-0" REAR
- RAIL MOUNTED INSIDE DOOR OPENING 1'-0"
- BLOWER TO BE MOUNTED INSIDE AND DISCHARGE OUT ROOF
- CONTROL PANEL TO BE MOUNTED IN APPARATUS BAY
- LINE VOLTAGE WIRING OF BLOWER & CONTROL PANELS BY ELECTRICAL CONTRACTOR
- ROOF FLASHING OR CURB PROVIDED BY ROOFING OR MECHANICAL CONTRACTOR
- RAIL-BASED SYSTEM INSTALLED COMPLETE BY PLYMOVENT FACTORY TRAINED INSTALLERS
- FINAL SYSTEM COMMISSIONING BY HASTINGS

DO NOT SCALE DRAWING

CONFIDENTIAL
PROPERTY OF HASTINGS AIR ENERGY CONTROL INC.
DO NOT DUPLICATE WITHOUT AUTHORIZATION

HASTINGS
air energy control, inc.

HASTINGS AIR ENERGY CONTROL, INC
5555 South Westridge Drive
New Berlin, WI 53151-7900
P:800.236.8450
F: 800.260.9199

DISCLAIMER: THIS DRAWING CONTAINS INFORMATION
WHICH IS CONFIDENTIAL AND PROPRIETARY, AND
MUST BE KEPT CONFIDENTIAL, AND NOT BE DISCLOSED,
IN WHOLE OR IN PART, TO ANYONE,
WITHOUT PRIOR
WRITTEN AUTHORIZATION FROM
HASTINGS AIR ENERGY
CONTROL INC, BY ACCESSING THIS DOCUMENT YOU
AGREE TO KEEP CONFIDENTIAL ALL THE INFORMATION DISCLOSED IN THE FILE AND RELATED MATERIAL.

NOTES:

NINEVEH
FD

REVISIONS	NO.	DATE	DESCRIPTION

SALES REP. DEAN HAVNEN	DATE 5/11/2026
DRAWN BY NOAH OPRONDEK	SCALE 1:100
Job #: HASC.1375.001	Sheet #: 1 OF 3

1 VEHICLE EXHAUST SYSTEM
NOT TO SCALE

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10910218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER:	25033
DRAWN: AJ	CHECKED: DB
BID AND PERMIT SET	05/14/26

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

VEHICLE EXHAUST SYSTEM

H-401

5/13/2026 4:21:40 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-Nineveh101_MechV1

DEDICATED OUTSIDE AIR UNIT SCHEDULE

MARK	LOCATION	SUPPLY FAN			MOTOR DATA			AMBIENT DESIGN TEMPS				COOLING DATA						HOT GAS REHEAT (DEHUMIDIFICATION)				MODULATING NATURAL GAS HEATING DATA				ELECTRICAL DATA				PRE FILTER		FINAL FILTER		UNIT WEIGHT	MANUFACTURER WITH MODEL NUMBER	NOTES
								SUMMER EAT		WINTER EAT				EAT		LAT (UNIT)		LAT		CAPACITY															
		SUPPLY CFM	ESP	MIN. OA CFM	DRIVE	RPM	HP	DB	WB	DB	WB	TOTAL MBH	SENS MBH	DB	WB	DB	WB	DB	WB	DESIRED MBH	MAX MBH	GROSS INPUT MBH	DESIGN OUTPUT MBH	MIN AFUE%	RISE	TURNDOWN	MCA	MOCP	VOLTS	PH	TYPE	MERV	TYPE	MERV			
DOAS-1	GRADE	825	0.5	100%	ECM	-	1.0	95	76	-10	-10	61.6	32.8	95	76	45.3	42.4	70.0	55.1	16.7	53	75	60.8	81	94	6:1	33.9	35	208	3	2"	8	DISPOSABLE	13	1250	CAPTIVEAIRE CAS-HVAC1-I.100-13-6T-DOAS	1-4
NOTES:																																				
1.	MANUFACTURER ROOF CURB.																																			
2.	65 KAIC RATING, FACTORY MOUNTED DISCONNECT SWITCH, AND GFCI RECEPTACLE FACTORY WIRED AHEAD OF UNIT DISCONNECT TO SINGLE POINT ELECTRICAL SUPPLY SPECIFIED ABOVE. PROVIDE TRANSFORMER, IF NECESSARY.																																			
3.	BACNET COMMUNICATIONS CARD.																																			
4.	UNIT SHALL BE FACTORY PROGRAMMED FOR CONSTANT VOLUME, DAY NEUTRAL 72 DEG F DISCHARGE TEMPERATURE.																																			

HVLS FAN SCHEDULE

MARK	LOCATION	FAN DATA				MOTOR DATA				FAN SPACING (FT)	DROP LENGTH (FT)	UNIT WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
		DIA	CFM	RPM	AVG AIR SPEED (FT/MIN)	FLA	HP	VOLTS	PH					
HVLS-1	APPARATUS BAY - 126	10'-0"	26700	95	146	5	0.25	120	1	30	2	100	GREENHECK DC-5-10	1,2,3
HVLS-2	APPARATUS BAY - 126	10'-0"	26700	95	146	5	0.25	120	1	30	2	100	GREENHECK DC-5-10	1,2
CF-1	FITNESS - 117	4'-4"	6900	200	-	29W	-	120	1	-	20"	13	BIG ASS FANS - HAIKU	1,2,4
NOTES:														
1.	FAN BLADES TO BE MOUNTED AT SAME ELEVATION AS LIGHT FIXTURES.													
2.	PROVIDE MANUFACTURER EXTENSION TUBES/DOWNRODS AND APPROPRIATE MOUNTING ACCESSORIES. CONTRACTOR TO CONFIRM DROP LENGTHS PRIOR TO ORDERING.													
3.	PROVIDE (1) ADVANCED TOUCH SCREEN CONTROl FOR INDIVIDUAL CONTROL OF EACH FAN.													
4.	PROVIDE MANUFACTURER FIXED WALL MOUNT REMOTE.													

GAS FIRED FURNACE UNIT SCHEDULE

MARK	LOCATION	SERVES	CONFIGURATION	FAN DATA			FAN MOTOR DATA		GAS HEATING DATA						DX COOLING COIL DATA					FILTER DATA		UNIT CONNECTION DATA				UNIT WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
				SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	ESP	TYPE	HP	MAX INPUT MBH	MIN INPUT MBH	MAX OUTPUT MBH	MIN OUTPUT MBH	RISE	STAGES	AFUE %	TOTAL MBH	SENS MBH	EAT (°F)		LAT (°F)		TYPE	EFF	MCA	MOCP	VOLTS	PH		
																		DB	WB	DB	WB								
F-1	201 - MEZZANINE	122, 123, 124	VERTICAL	1000	110	0.4	DIRECT	0.75	26	-	25	-	23	1	96	23.5	16.4	76.7	67	55	54	THROWAWAY	MERV8	6.5	15	120	1	144 40	FURNACE BRYANT 916SA24026C14A INDOOR COIL BRYANT CVAVA2414XM	1-5
F-2	201 - MEZZANINE	104	VERTICAL	800	160	0.5	DIRECT	0.5	26	-	25	-	28.8	1	96	17.8	13.1	76.2	67	55	52.8	THROWAWAY	MERV8	6.5	15	120	1	124 28.9	FURNACE BRYANT 916SA18026C14A INDOOR COIL BRYANT CVAVA1917XM	1-5
F-3	201 - MEZZANINE	105-107,114-116,119,120	VERTICAL	600	50	0.5	DIRECT	0.5	26	-	25	-	51.2	1	96	15.3	15.3	67.3	57	55	51.8	THROWAWAY	MERV8	6.5	15	120	1	124 28.9	FURNACE BRYANT 916SA18026C14A INDOOR COIL BRYANT CVAVA1917XM	1-5
F-4	201 - MEZZANINE	108.109.110.111	VERTICAL	800	50	0.5	DIRECT	1	26	-	25	-	38.4	1	96	17.7	12.8	76.2	67	50	50	THROWAWAY	MERV8	6.5	15	120	1	161 40.9	FURNACE BRYANT 916SA18026C14A INDOOR COIL BRYANT CVAVA1917XM	1-5
NOTES:																													
1.	SINGLE-POINT DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER AND INSTALLED BY EC. PROVIDE FIELD FABRICATED STEEL SUPPORT STAND																												
2.	PROVIDE MANUFACTURER CONCENTRIC VENT KIT.																												
3.	PROVIDE PROGRAMMABLE THERMOSTAT WITH BACNET COMMUNICATION.																												
4.	PROVIDE MANUFACTURER FILTER MEDIA CABINET.																												
5.	PROVIDE FLUE WRAPPER.																												

LOUVER SCHEDULE

MARK	LOCATION	TYPE	STYLE	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	FREE AREA (SQ. FT.)	MAX. AIRFLOW (CFM)	MAX AIR VELOCITY (FPM)	BPWP (FT/MIN)	WEIGHT (LBS)	PLENUM BOX	MANUFACTURER WITH MODEL NUMBER	NOTES
LV-1	130 - GEAR LAUNDRY	DRAINABLE	EXHAUST	20	12	5	0.5	500	938	0.15	9	YES	GREENHECK EVH-501	
LV-2	126 - APPARATUS BAY	DRAINABLE	EXHAUST	36	24	5	2.8	3100	1118	0.21	18	YES	GREENHECK EVH-501	
LV-3	ABOVE 105 - CORRIDOR	DRAINABLE	EXHAUST	20	12	5	0.5	400	802	0.11	9	YES	GREENHECK EVH-501	
LV-4	126 - APPARATUS BAY	DRAINABLE	INTAKE	20	14	5	0.6	500	773	0.1	11	YES	GREENHECK EVH-501	
LV-5	126 - APPARATUS BAY	DRAINABLE	INTAKE	30	36	5	3.7	3100	841	0.12	43	YES	GREENHECK EVH-501	
NOTES:														
1.	FINAL COLOR TO BE SELECTED BY PROJECT ARCHITECT.													
2.	PROVIDE MANUFACTURER EXTENDED SILL WITH END DAMS (SILLPAN).													
3.	PROVDE BUG SCREEN.													
4.	PROVIDE WITH BAROMETRIC RELIEF DAMPER GREENHECK MODEL BR-3X													
5.	PROVIDE WITH MOTORIZED DAMPER. DAMPER ACTUATOR TO BE 120V.													

FAN SCHEDULE

MARK	LOCATION	FAN DATA						MOTOR DATA							ACCESSORIES					UNIT WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
		DESCRIPTION	DRIVE TYPE	CFM	ESP	RPM	SONES	HP	FLA	WATTS	MCA	MOCP	VOLTS	PH	ROOF CURB	DISCONNECT SWITCH	GRAVITY BACKDRAFT DAMPER	VIBRATION ISOLATORS	BIRD SCREEN			
EF-1	130 - GEAR LAUNDRY	INLINE	DIRECT	500	0.26	1300	6.4	0.067	-	-	-	-	120	1	NO	MFR	YES	YES	NO	35	GREENHECK SQ-95	2
EF-2	126 - APPARATUS BAY	INLINE	DIRECT	3100	0.32	1160	12.3	1	16	640	20	35	120	1	NO	MFR	YES	YES	NO	113	GREENHECK SQ-16-M2	1
EF-3	ABOVE 105 - CORRIDOR	INLINE	DIRECT	400	0.3	1300	6.4	0.067	-	-	-	-	120	1	NO	MFR	YES	YES	NO	35	GREENHECK SQ-95	2
KH-1	KITCHEN/DINING - 123	DUCTED HOOD	DIRECT	150	0.1	2750	6.5	-	2	-	-	-	120	1	NO	MFR	YES	YES	NO	75	BROAN 40000	
VEF-1	126 - APPARATUS BAY	VEHICLE EXHAUST	-					7.5	19.7	-	-	-	208	3						-	PLYMOVENT	
NOTES:																						
1.	FAN AND ASSOCIATED MOTORIZED DAMPERS TO BE CONTROLLED BY GAS DETECTION SYSTEM.																					
2.	FAN TO OPERATE CONTINUOUSLY.																					

NATURAL GAS-FIRED UNIT HEATER SCHEDULE

MARK	LOCATION	CONFIGURATION	FAN DATA			HEATING DATA							ELECTRICAL DATA				UNIT WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
			AIRFLOW (CFM)	DRIVE	DESIGN SPEED(S)	HP	INPUT MBH		OUTPUT MBH		RISE	GAS PRESSURE (WG)	FLUE DIA.	GAS DIA.	FLA	MOCP	VOLTS	PH			
							LOW	HIGH	LOW	HIGH											
GUH-1	APPARATUS BAY - 126	CEILING MOUNT	2242	DIRECT	1050	1/8	122.5	175	101.7	145.3	60	14" MAX, 5" MIN	5	1/2"	3.8	15	120	1	193	REZNOR UDXC	1-3
GUH-2	APPARATUS BAY - 126	CEILING MOUNT	2242	DIRECT	1050	1/8	122.5	175	101.7	145.3	60	14" MAX, 5" MIN	5	1/2"	3.8	15	120	1	193	REZNOR UDXC	1-3
GUH-3	MEZZANINE - 201	CEILING MOUNT	456	DIRECT	1550	0.02	-	30	-	24.6	50	14" MAX, 5" MIN	4	1/2"	1.9	15	120	1	57	REZNOR UDXC	1-3
NOTES:																					
1.	PROVIDE TWO-STAGE WALL-MOUNTED THERMOSTAT WITH BACNET COMMUNICATION.																				
2.	PROVIDE HORIZONTAL SEPARATED COMBUSTION CONVERSION KIT AND APPROVED VENT/COMBUSTION PIPE MATERIAL.																				
3.	PROVIDE 316 SST HEAT EXCHANGER, TWO-STAGE COMBINATION GAS VALVE, OPEN DRIP-PROOF MOTOR, VERTICAL LOUVER ACCESSORY.																				

NATURAL GAS-FIRED INFRARED RADIANT HEATER SCHEDULE

MARK	LOCATION	CONFIGURATION	HEATING DATA		OVERALL LENGTH	ELECTRICAL DATA			GAS DATA				WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
			HIGH INPUT MBH	LOW INPUT MBH		AMPS	VOLTS	PH	SUPPLY MIN (IN WC)	SUPPLY MAX (IN WC)	BURNER (IN WC)	INLET (IN)			
RH-1	APPARATUS BAY - 126	UNITARY INFRARED HEATER	75	50	20	2.6	120	1	5	14	3.5	1/2	-	SPACERAY LTS 75-20-N7	1-3
RH-2	APPARATUS BAY - 126	UNITARY INFRARED HEATER	75	50	20	2.6	120	1	5	14	3.5	1/2	-	SPACERAY LTS 75-20-N7	1-3
RH-3	APPARATUS BAY - 126	UNITARY INFRARED HEATER	75	50	20	2.6	120	1	5	14	3.5	1/2	-	SPACERAY LTS 75-20-N7	1-3
RH-4	APPARATUS BAY - 126	UNITARY INFRARED HEATER	75	50	20	2.6	120	1	5	14	3.5	1/2	-	SPACERAY LTS 75-20-N7	1-3
RH-5	APPARATUS BAY - 126	UNITARY INFRARED HEATER	75	50	20	2.6	120	1	5	14	3.5	1/2	-	SPACERAY LTS 75-20-N7	1-3
NOTES:															
1.	PROVIDE TWO STAGE WALL-MOUNTED THERMOSTAT WITH BACNET COMMUNICATION.														
2.	PROVIDE TWO STAGE THERMOSTAT RELAY KIT.														
3.	PROVIDE HANGING KIT, DRAFT INDUCER, FLUE PIPE, AND SIDEWALL VENT CAP.														

ELECTRIC UNIT HEATER SCHEDULE

MARK	LOCATION	CONFIGURATION	AIRFLOW (CFM)	HEATING DATA				ELECTRICAL DATA				ACCESSORIES			MANUFACTURER WITH MODEL NUMBER	NOTES
				MIN KW	MBH	EAT	LAT	FAN HP	FLA	VOLTS	PH	DISCONNECT SWITCH	INTEGRAL THERMOSTAT	WALL BRACKET		
EWH-1	VESTIBULE - 101	RECESSED WALL HEATER	100	1.5	5.1	65	100	1 / 100	12.5	120	1	MFR	YES	YES	QMARK AWH3150F	1,3,5
EUH-1	GEAR STORAGE - 127	VERTICAL WALL MOUNT	350	3.0	10.2	65	92	1 / 100	14.5	208	1	MFR	YES	YES	QMARK MUH03-81	2,4,5
EUH-2	GEAR LAUNDRY - 130	VERTICAL WALL MOUNT	350	3.0	10.2	65	92	1 / 100	14.5	208	1	MFR	YES	YES	QMARK MUH03-81	2,4,5
EUH-3	RISER ROOM - 112	VERTICAL WALL MOUNT	350	3.0	10.2	65	92	1 / 100	14.5	208	1	MFR	YES	YES	QMARK MUH03-81	2,4,5
NOTES:																
1.	FULLY RECESSED INSTALLATION.															
2.	PROVIDE SURFACE MOUNTING KIT.															
3.	PROVIDE FRAME KIT FOR RECESSED GYPSUM CEILING INSTALLATION.															
4.	PROVIDE WALL MOUNTING BRACKET.															
5.	PROVIDE OPTIONAL RELAY FOR BMS COMMUNICATION.															

MINI SPLIT SCHEDULE

MARK	INDOOR UNIT MARK	INDOOR UNIT LOCATION	INDOOR UNIT TYPE	SUPPLY CFM		MAX COOLING MBH	MAX HEATING MBH	ELECTRICAL DATA				EER/SEER	WEIGHT (LBS) (INDOOR/OUTDOOR)	MANUFACTURER WITH MODEL NUMBER	NOTES
				LOW	HIGH			MCA	MOCP	VOLTS	PH				
MS-1	FCU-1	IT / ELEC - 121	HIGH-WALL	300	700	24	-	23	25	208	1	13.0/21.5	37/116	INDOOR: MITSUBISHI MSY-GX24NL OUTDOOR: MITSUBISHI MUY-GX24L	1-8
MS-2	FCU-2	FITNESS ROOM - 117	DUCTED FAN COIL	250	375	12.0	15.0	15	25	208	1	12.1/19.0	50/81	INDOOR: MITSUBISHI SEZ-AD12NL OUTDOOR: MITSUBISHI SUZ-AA12NL	1-7
MS-3	FCU-3	OFFICE - 102	DUCTED FAN COIL	250	375	12.0	15.0	15	25	208	1	12.1/19.0	50/81	INDOOR: MITSUBISHI SEZ-AD12NL OUTDOOR: MITSUBISHI SUZ-AA12NL	1-7
NOTES:															
1.	WIND BAFFLE FOR LOW AMBIENT COOLING.														
2.	INDOOR AND OUTDOOR UNITS TO BE FACTORY MATCHED AND PROVIDED BY SAME VENDOR.														
3.	EC TO PROVIDE DISCONNECT SWITCH.														
4.	MANUFACTURER TO SIZE RS/RL PIPING LINE SET. RS/RL PIPING TO BOTH BE INSULATED.														
5.	PROVIDE THERMOSTAT INTERFACE AND DELUXE WIRED MA REMOTE CONTROLLER.														
6.	INDOOR UNIT POWERED BY OUTDOOR UNIT.														
7.	PROVIDE MANUFACTURER CONDENSATE LIFT PUMP.														
8.	COOLING ONLY.														

CONDENSING UNIT SCHEDULE

MARK	LOCATION	CONNECT TO UNIT	NOMINAL TONS	DESIGN AMB TEMP (°F)	MIN AMB TEMP (°F)	MIN. SEER	ELECTRICAL DATA				UNIT WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
							MCA	MOCP	VOLTS	PH			
ACCU-1	GRADE	F-1	2	95	-	13.4	12.1	20	208	1	-	BRYANT 135SAN02400W	1
ACCU-2	GRADE	F-2	1.5	95	-	13.4	10.8	15	208	1	-	BRYANT 135SAN01800W	1
ACCU-3	GRADE	F-3	1.5	95	-	13.4	10.8	15	208	1	-	BRYANT 135SAN01800W	1
ACCU-4	GRADE	F-4	1.5	95	-	13.4	10.8	15	208	1	-	BRYANT 135SAN01800W	1
NOTES:													
1.	PROVIDE THE FOLLOWING ACCESSORIES FOR LOW AMBIENT COOLING (BELOW 55°) AND LONG LINE LENGTH APPLICATIONS: BALL BEARING FAN MOTOR, COMPRESSOR START ASSIST CAPACITOR AND RELAY, CRANKCASE HEATER, EVAPORATOR FREEZE THERMOSTAT, HARD SHUT OFF TXV, LIQUID LINE SOLENOID VALVE, LOW AMBIENT PRESSURE SWITCH, WINTER START CONTROL, CONCENTRIC VENT KIT, ANTI-SHORT CYCLE TIMER, EVAPORATOR DEFROST CONTROL.												

GRILLE AND DIFFUSER SCHEDULE

DRAWING LEGEND

DIFFUSER: TYPE ◇ CFM / NECK SIZE — GRILLE: TYPE ◇ CFM / SIZE — SLOT/LINEAR DIFFUSER: TYPE ◇ CFM / NO. OF SLOTS - LENGTH — LINEAR BAR DIFFUSER: TYPE ◇ CFM / WIDTH - LENGTH

TYPE ◇	DESCRIPTION	SPECIAL NOTES & FINISHES
D	24" X 24" SQUARE PLAQUE CEILING DIFFUSER	LIKE PRICE MODEL SPD: ROUND NECK
E	1/2" X 1/2" X 1/2" EGGCRATE GRILLE	LIKE PRICE MODEL 80
F	DOUBLE DEFLECTION SUPPLY GRILLE	LIKE PRICE MODEL 520: 45° DOUBLE DEFLECTION BLADES, 3/4" SPACING
G	LOUVERED RETURN GRILLE	LIKE PRICE MODEL 530: 45° SINGLE DEFLECTION BLADES, 3/4" BLADE SPACING
H	LOUVERED EXHAUST GRILLE	LIKE PRICE MODEL 630: 45° SINGLE DEFLECTION BLADES, 3/4" BLADE SPACING, OBD, PROVIDE ALUMINUM MODEL 630 IN DAMP LOCATIONS (SHOWERS, LOCKERS, ETC.)
J	LOUVERED TRANSFER GRILLE	LIKE PRICE MODEL 530: 45° SINGLE DEFLECTION BLADES, 3/4" BLADE SPACING
K	PLENUM SLOT DIFFUSER (T-BAR)	LIKE PRICE TBD3: 1" SLOT WIDTH, INSULATED PLENUM

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4200

DAVID M. BARRIENTOS — REGISTERED — 05/14/26 — No. PE10910218 — STATE OF INDIANA — PROFESSIONAL ENGINEER — #25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

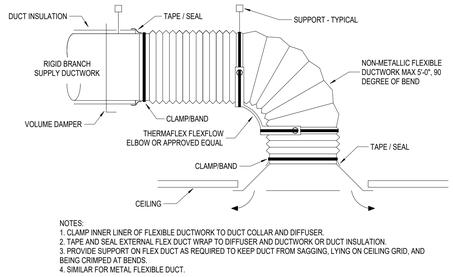
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

HVAC SCHEDULES

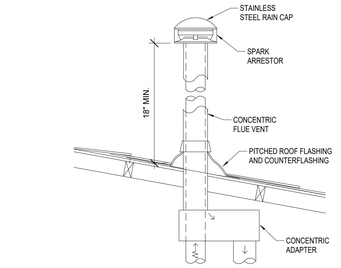
H-501

5/13/2026 4:21:43 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-F25-Nineveh-F101_Master.rvt



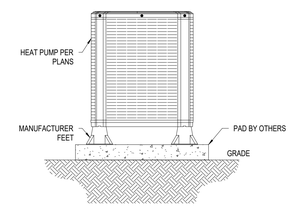
NOTES:
1. CLAMP INNER LINER OF FLEXIBLE DUCTWORK TO DUCT COLLAR AND DIFFUSER.
2. TAPE AND SEAL EXTERNAL FLEX DUCT WRAP TO DIFFUSER AND DUCTWORK OR DUCT INSULATION.
3. PROVIDE SUPPORT ON FLEX DUCT AS REQUIRED TO KEEP DUCT FROM SAGGING, LYING ON CEILING GRID, AND BEING CRIMPED AT BENDS.
4. SIMILAR FOR METAL FLEXIBLE DUCT.

11 Typical Supply Diffuser Detail - Horizontal Tap
NOT TO SCALE

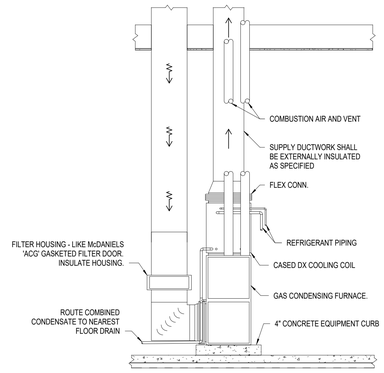


8 Concentric Flue Stack Detail
NOT TO SCALE

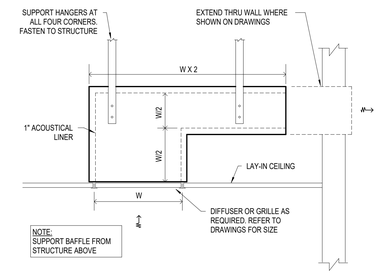
NOTES:
1. ENSURE THAT DRAIN HOLES IN UNIT BASE PAN ARE NOT OBSTRUCTED PREVENTING DRAINING OF DEFROST WATER.
2. INSTALL TRANE 7" HEAT PUMP SNOW LEGS (BAYLEGS007) OR SIMILAR.



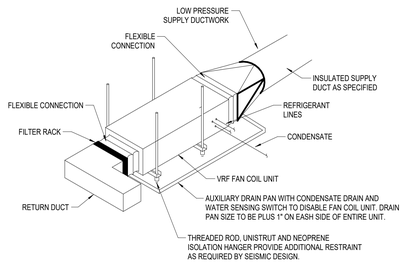
4 Condensing Unit Ground Mounting Detail
NOT TO SCALE



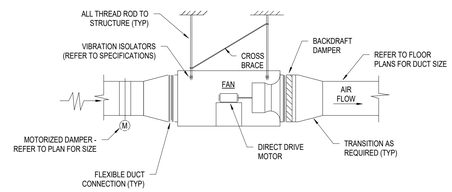
7 Gas Fired Condensing Upflow Furnace Detail
NOT TO SCALE



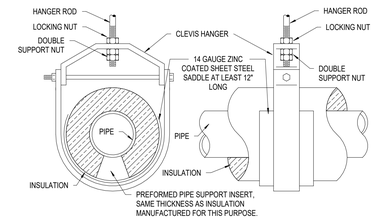
3 Return Air Sound Baffle Detail
NOT TO SCALE



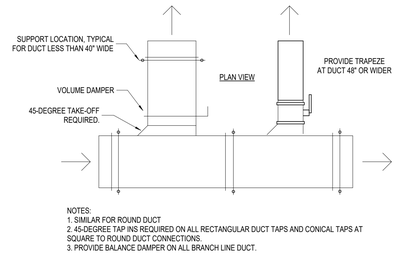
10 Horizontal VRF Fan Coil Unit Detail
NOT TO SCALE



6 Centrifugal In-Line Fan Detail
NOT TO SCALE

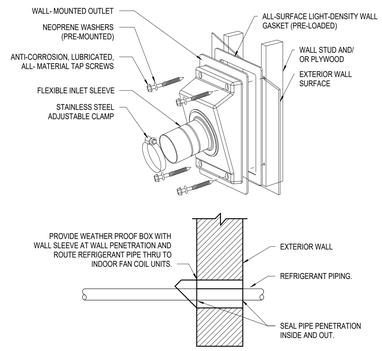


2 Pipe Hanger Detail
NOT TO SCALE

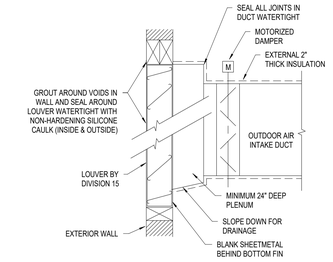


NOTES:
1. SIMILAR FOR ROUND DUCT.
2. 45-DEGREE TAP INS REQUIRED ON ALL RECTANGULAR DUCT TAPS AND CONICAL TAPS AT SQUARE TO ROUND DUCT CONNECTIONS.
3. PROVIDE BALANCE DAMPER ON ALL BRANCH LINE DUCT.

9 Typical Horizontal Duct Taps/Takeoffs
NOT TO SCALE



5 Exterior Refrigerant Piping Detail
NOT TO SCALE



1 Louver Installation Detail
NOT TO SCALE

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4200

DAVID M. BARRIENTOS — REGISTERED — 05/14/26 — No. PE10910218 — STATE OF INDIANA — PROFESSIONAL ENGINEER — #25033

PROJECT NUMBER:	25033
DRAWN: AJ	CHECKED: DB
BID AND PERMIT SET	05/14/26

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

HVAC DETAILS

H-601

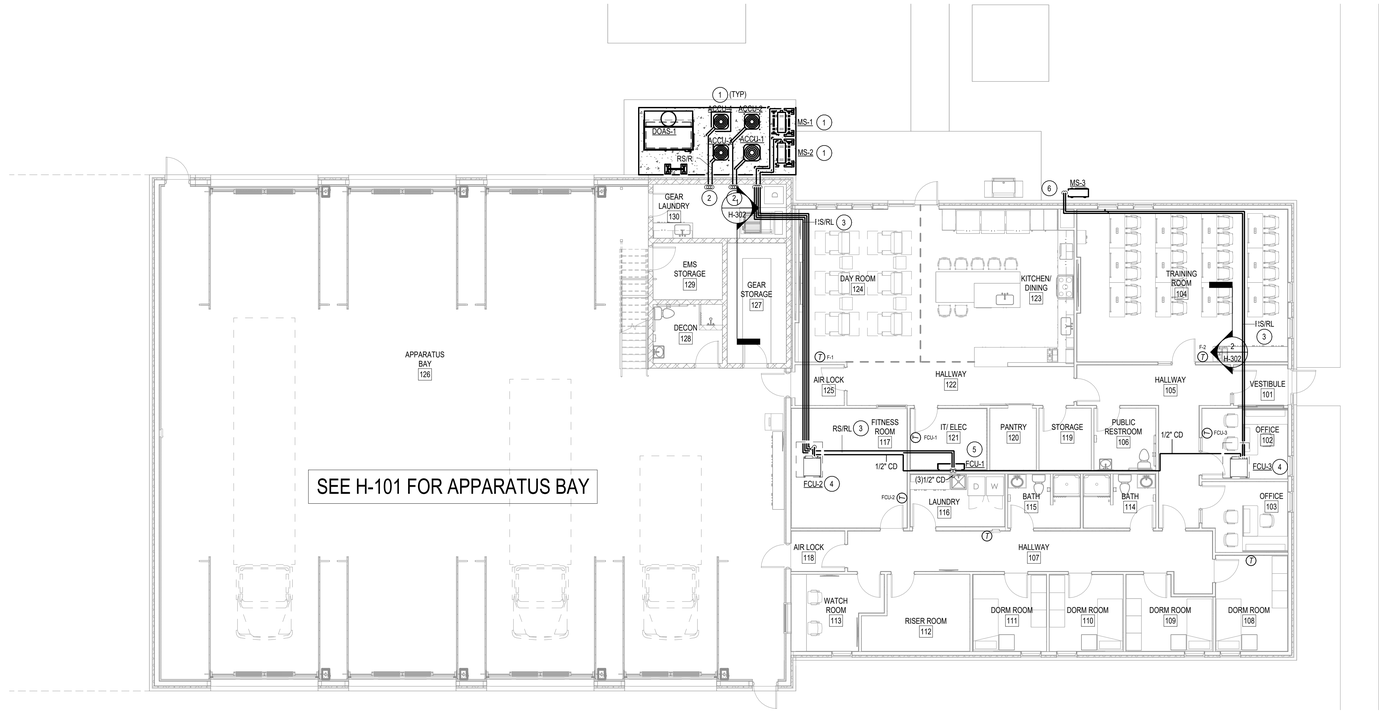
5/13/2026 4:21:44 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-Nineveh FD_MechV1.rvt

GENERAL HVAC NOTES:

A. REFERENCE SHEET M-000 FOR HVAC SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
C. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EQUIPMENT AIR INTAKES AND ALL SOURCES OF EXHAUST, INCLUDING PLUMBING VENTS.
D. ALL AIR TERMINALS AND DUCTWORK CONNECTED TO THE EXHAUST SIDE OF THE DOAS UNIT SHALL BE ALUMINUM.
E. ALL REFRIGERANT PIPING SHALL BE TYPE L, HARD DRAWN, SEAMLESS COPPER, CLEANED, DEHYDRATED, AND SEALED. FITTINGS SHALL BE WROUGHT COPPER AND JOINTS SHALL BE INSULTED. SOFT LINESETS ARE NOT PERMITTED.
F. ALL REFRIGERANT PIPING SHALL BE INSULATED PER THE PROJECT SPECIFICATIONS.
G. BRANCH DUCTWORK SHALL BE SAME SIZE AS NECK OF AIR DEVICE UNLESS OTHERWISE NOTED.
H. EXPOSED DUCTWORK SHALL BE DOUBLE WALL AND PAINT GRIP FINISH. DUCT TAGS INDICATE INSIDE DIMENSIONS. ACCOUNT FOR THICKNESS OF LINER.
I. GRILLE, REGISTER, DIFFUSER, AND LOUVER FINISHES SHALL BE DETERMINED BY PROJECT ARCHITECT.
J. MECHANICAL CONTROL DEVICES SHALL BE INSTALLED 48" AFF TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
K. CONDENSATE SHALL TERMINATE AT NEAREST APPROVED FIXTURE WITH AN AIR GAP.
L. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ITEMS HANGING IN APPARATUS BAY INCLUDING BUT NOT LIMITED TO LIGHTS, HVLS FANS, RADIANT HEATERS, VEHICLE EXHAUST SYSTEM, GARAGE DOORS) INCLUDING TRACKS), AND DUCTWORK.

SHEET PLAN NOTES

1 ROUTE REFRIGERANT PIPING FROM OUTDOOR UNIT IN THROUGH EXTERIOR WALL. PROVIDE MECHANICAL SEALS. MANUFACTURER TO SIZE REFRIGERANT PIPING.
2 ROUTE REFRIGERANT PIPING UP THROUGH FLOOR TO COOLING COILS ON MEZZANINE. SEE H-301 FOR CONTINUATION. COORDINATE PIPE ROUTING WITH STRUCTURE AND OTHER TRADES.
3 ROUTE REFRIGERANT PIPING TIGHT TO BOTTOM OF EXPOSED CEILING AND ROUTE TO INDOOR UNITS THROUGH CEILING PLENUM. COORDINATE PIPE ROUTING WITH STRUCTURE AND OTHER TRADES.
4 MINISPLIT HAS INTEGRAL LIFT PUMP. ROUTE CONDENSATE TO MOP SINK IN LAUNDRY ROOM AND TERMINATE WITH AIR GAP. COORDINATE ROUTING WITH STRUCTURE AND OTHER TRADES.
5 ROUTE CONDENSATE DRAIN TO MOP SINK IN LAUNDRY ROOM AND TERMINATE WITH AIR GAP. COORDINATE ROUTING WITH STRUCTURE AND OTHER TRADES.
6 ROUTE REFRIGERANT PIPING IN THROUGH EXTERIOR WALL INTO CEILING PLENUM AND ROUTE TO INDOOR UNIT.



1 FIRST FLOOR HVAC PIPING PLAN
1/8" = 1'-0"
0 4' 8' 16'
N

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientos
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4200

DAVID M. BARRIENTOS REGISTERED 05/14/26 No. PE10910218 STATE OF INDIANA PROFESSIONAL ENGINEER #25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR & MEZZANINE HVAC PIPING PLAN

HP101

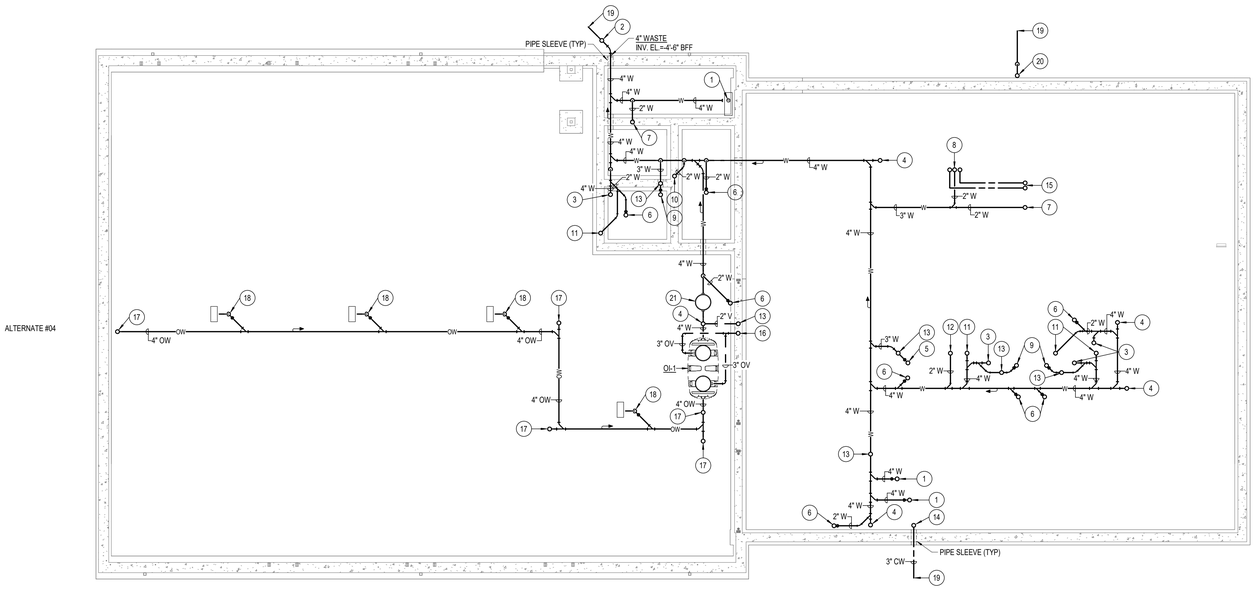
5/13/2026 6:21:48 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-R24-Nineveh#101_MechV.rvt

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

SHEET PLAN NOTES

1. 4"W WITH P-TRAP UP TO FLOOR DRAIN.
2. 4"W UP TO ECO.
3. 4"W UP TO WATER CLOSET.
4. 4"W UP TO FCO.
5. 3"W UP TO MOP BASIN.
6. 2"W WITH P-TRAP UP TO FLOOR DRAIN.
7. 2"W UP TO SINK.
8. 2"W DROP FROM ABOVE. 3/4"CW AND 3/4"HW UP.
9. 2"W WITH P-TRAP UP TO SHOWER DRAIN.
10. 2"W DROP FROM ABOVE. 3/4"CW AND 3/4"HW UP.
11. 2"W UP TO LAVATORY.
12. 2"W UP TO WASHER BOX.
13. 2"V UP.
14. 3" INCOMING DOMESTIC WATER UP.
15. 3/4"CW AND 3/4"HW DROP FROM ABOVE.
16. 3"OV UP.
17. 4"OW UP TO FCO.
18. 4"OW WITH P-TRAP UP TO TRENCH DRAIN.
19. SEE SITE/CIVIL DRAWINGS FOR CONTINUATION.
20. INCOMING GAS UP BY GAS UTILITY COMPANY.
21. OIL INTERCEPTOR SAMPLING PORT, REFERENCE DETAIL F / P-601.



1 UNDER FLOOR PLUMBING PLAN
1/8" = 1'-0"
0 4' 8' 16'

N

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS REGISTERED NO. PE10810018 STATE OF INDIANA PROFESSIONAL ENGINEER #25033

PROJECT NUMBER:	25033
DRAWN: JK	CHECKED: GR
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

UNDER FLOOR PLUMBING PLAN

P-100

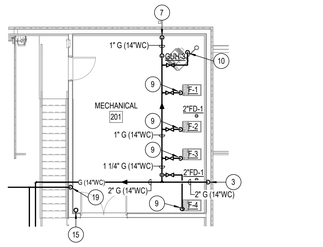
Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-ENG-Nineveh101_Plumb.rvt
5/13/2026 3:45:55 PM

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

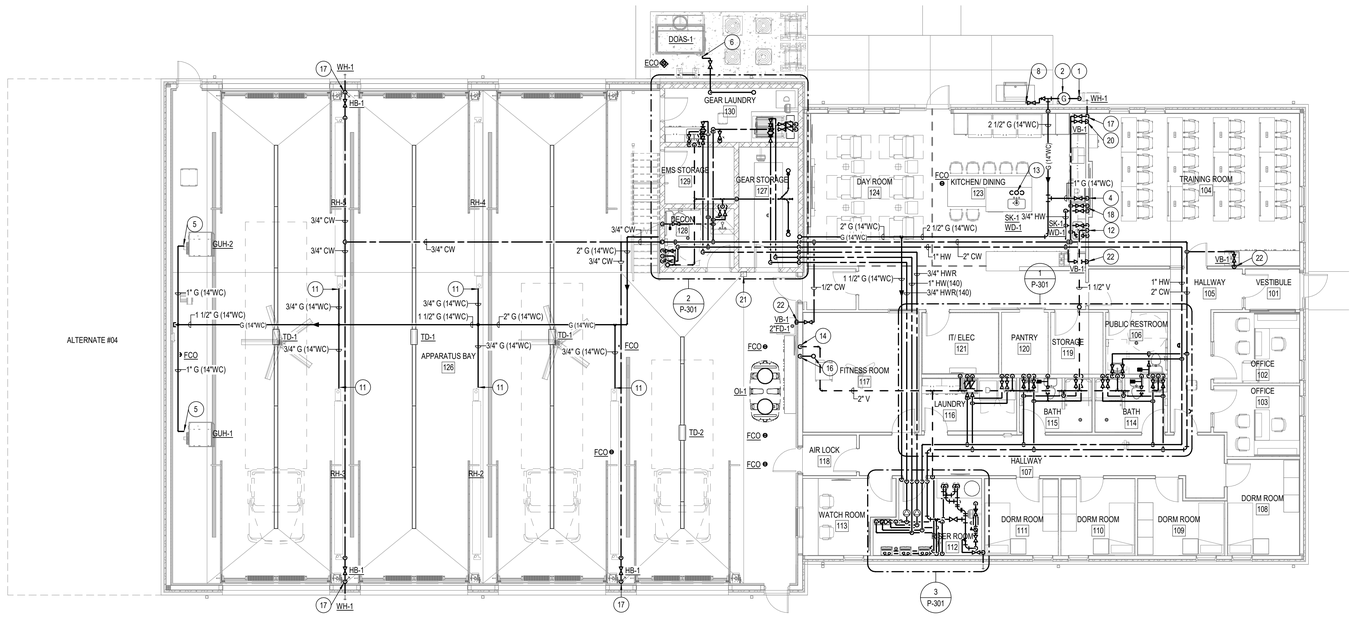
SHEET PLAN NOTES

1 INCOMING GAS RISE FROM BELOW BY GAS UTILITY COMPANY.
2 GAS METER SET BY GAS UTILITY COMPANY. PROVIDE 14"WC PRESSURE. TOTAL CONNECTED LOAD IS 2,017 MBH.
3 2"G (14"WC) RISE FROM BELOW.
4 1"G (14"WC) DROP. PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 188 MBH.
5 1"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 175 MBH.
6 1"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 120 MBH.
7 1"G (14"WC) DOWN.
8 3/4"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 100 MBH.
9 3/4"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 25 MBH.
10 3/4"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 30 MBH.
11 3/4"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 75 MBH.
12 2"W DOWN, 1 1/2"V RISE, 1/2"CW AND 1/2"HW DROP.
13 2"W DOWN, 1 1/2"V RISE TO AAV, 3/4"CW AND 3/4"HW RISE FROM BELOW.
14 2"V RISE FROM BELOW.
15 2"V DOWN AND UP TO 3"VTR.
16 3"OV DOWN AND UP TO 3"VTR.
17 3/4"CW DROP.
18 3/4"CW AND 3/4"HW DOWN. ROUTE UNDER FLOOR TO ISLAND SINK.
19 3/4"CW RISE FROM BELOW.
20 1/2"CW DROP TO VALVE BOX BEHIND CUT-OUT IN CABINET. ROUTE WATER LINE FROM VALVE BOX TO REFRIGERATOR THROUGH CABINETS.
21 OIL INTERCEPTOR ALARM CONTROL PANEL.
22 1/2"CW DROP.



2 MEZZANINE PLUMBING PLAN

1/8" = 1'-0"



1 FIRST FLOOR PLUMBING PLAN

1/8" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.6000

LOUIS M. BARRINGTON
REGISTERED
05/14/26
No. PE10910218
STATE OF INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: JK CHECKED: GR
BID AND PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR PLUMBING PLAN

P-101

5/13/2026 3:43:08 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-R24-NinevehFS101_Plumb.rvt

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

1 ROOF PLUMBING PLAN

1/8" = 1'-0"

0 4' 8' 16'

N

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10910018
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: JK CHECKED: GR
BID AND PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ROOF PLUMBING PLAN

P-102

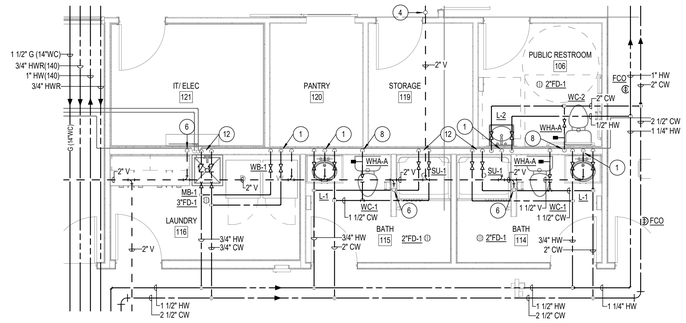
Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-FSI-Nineveh101_Plumb.rvt
5/13/2026 3:45:39 PM

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

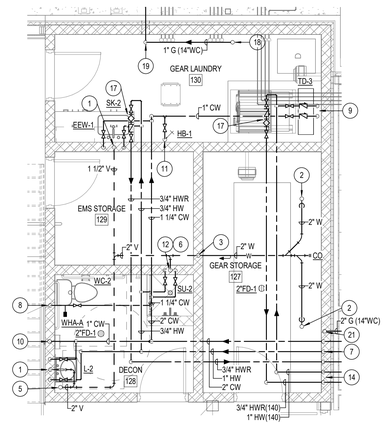
SHEET PLAN NOTES

1 2"W DOWN, 1 1/2"V RISE, 1/2"CW AND 1/2"HW DROP.
2 2"W WITH P-TRAP UP TO FLOOR DRAIN.
3 2"W DOWN, 2"V RISE.
4 3"V UP TO 4"VTR.
5 2"V UP.
6 2"V RISE FROM BELOW.
7 2"CW, 1"HW AND 3/4"HWR DROP.
8 1 1/2"CW DROP.
9 1"CW AND 1"HW(140) DROP.
10 3/4"CW UP.
11 3/4"CW DROP.
12 1/2"CW AND 1/2"HW DROP.
14 1"HW(140) AND 3/4"HWR(140) DROP.
15 3" INCOMING DOMESTIC WATER RISE FROM BELOW.
16 PRESSURE REDUCING VALVE STATION, SET FROM INCOMING PRESSURE DOWN TO 60 PSI.
17 HWR BALANCING VALVE STATION, SET TO 1 GPM.
18 1"G (14"WC) DROP FROM ABOVE.
19 1"G (14"WC) DROP.
20 1"G (14"WC) PROVIDE SHUT-OFF VALVE, UNION AND DIRT LEG BEFORE CONNECTION TO EQUIPMENT. TOTAL CONNECTED LOAD IS 199 MBH.
21 2"G (14"WC) UP.



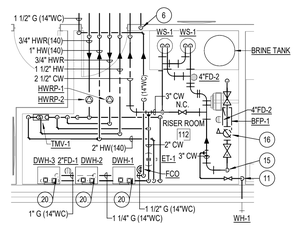
1 LAUNDRY / BATH PLUMBING ENLARGED PLAN

1/4" = 1'-0"



2 DECON / GEAR LAUNDRY PLUMBING ENLARGED PLAN

1/4" = 1'-0"



3 WATER ROOM PLUMBING ENLARGED PLAN

1/4" = 1'-0"

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrikson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientez
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10810218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER:	25033
DRAWN: JK	CHECKED: GR
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

PLUMBING ENLARGED PLANS

P-301

5/13/2026 3:45:40 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101 (25033-KPA-Nineveh#101)_Plumb.rvt

WATER SOFTENER SCHEDULE

MARK	LOCATION	MAXIMUM CAPACITY		MINIMUM CAPACITY		SERVICE FLOW RATES		BACKWASH FLOW RATE (GPM)	RESIN (CU.FT.)	SALT STORAGE CAPACITY (LBS.)	MANUFACTURER WITH MODEL NUMBER	NOTES
		GRAINS CAPACITY	SALT DOSAGE (LBS.)	GRAINS CAPACITY	SALT DOSAGE (LBS.)	CONTINUOUS GPM	PEAK GPM					
WS-1	RISER ROOM 112	157,500	75	102,500	25	72	94	9	5	730	FRANKLIN WATER TREATMENT FWT2 SERIES FWT2-150-21	1

NOTES:
1. ELECTRICAL REQUIREMENTS: 120V

PLUMBING EQUIPMENT SCHEDULE

MARK	LOCATION	MAKE AND MODEL NO.	DESCRIPTION	CAPACITY	ELECTRICAL CHARACTERISTICS	NOTES
OI-1	APPARATUS BAY 126	STRIEM OS-500-SS	OIL/WATER SEPARATOR	LIQUID CAPACITY: 500 GAL. OIL CAPACITY: 125 GAL. SOLIDS CAPACITY: 164 GAL.	120 V, 60 Hz, 1 PH	1

NOTES:
1. PROVIDE WITH SLICK STICK OIL LEVEL MONITORING SYSTEM, H20 RATED TRAFFIC COVER AND STRIEM INSPECTOR-4 SAMPLING PORT.

BACKFLOW PREVENTER SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	DESIGN CAPACITY (GPM)	PRESS. DROP (PSIG)	SIZE (IN)	MANUFACTURER WITH MODEL NUMBER	NOTES
BFP-1	RISER ROOM 112	DOMESTIC COLD WATER	REDUCED PRESSURE ZONE ASSEMBLY	60	9	2	WATTS LF909M1	1, 2, 3, 4, 5

NOTES:
1. BRONZE STRAINER, 7.5 FPS FLOW.
2. IN-LINE INDEPENDENT CHECK VALVES WITH AN INTERMEDIATE RELIEF VALVE, FULL PORT QUARTER-TURN RESILIENT SEATED BALL VALVE.
3. PROVIDE UNIT WITH AIR GAP DRAIN ASSEMBLY, PIPE DRAIN TO NEAREST FLOOR DRAIN OR SINK.
4. MAXIMUM MOUNTING HEIGHT OF 5'-0" ABOVE FLOOR.
5. LEAD FREE.

PUMP SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	DESIGN CAPACITY (GPM)	DESIGN CAPACITY (FT. HD)	MIN EFF.	PUMP		MOTOR DATA				MANUFACTURER WITH MODEL NUMBER	NOTES
							SUCT. (IN)	DISCH (IN)	WATTS	RPM	VOLTS	PH		
HWRP-1	RISER ROOM 112	120° HOT WATER RECIRCULATION	INLINE	9	5	-	3/4	3/4	270	3,300	115	1	BELL & GOSSETT NBF-36	1, 2
HWRP-2	RISER ROOM 112	140° HOT WATER RECIRCULATION	INLINE	3	5	-	3/4	3/4	270	3,300	115	1	BELL & GOSSETT NBF-36	1, 2

NOTES
1. CONTROLLED BY AQUASTAT (WIRING BY E.C.) HWRP-1 TO TURN ON AT 110°F AND TURN OFF AT 120°F. HWRP-2 TO TURN ON AT 130°F AND TURN OFF AT 140°F.
2. LEAD-FREE IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.

WATER HAMMER ARRESTOR SCHEDULE

TYPE	FIXTURE UNIT RATING	I.P.S.	ZURN NUMBER	NOTES
WHA-A	1-11	3/4"	1260XL-A	1, 2
WHA-B	12-32	1"	1260XL-B	1, 2
WHA-C	33-60	1"	1260XL-C	1, 2
WHA-D	61-113	1"	1260XL-D	1, 2
WHA-E	114-154	1"	1260XL-E	1, 2
WHA-F	155-330	1"	1260XL-F	1, 2

NOTES:
1. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER THE PLUMBING DRAINAGE INSTITUTE (STANDARD PDI-WH-201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES AND ANY OTHER QUICK CLOSING VALVES ARE USED.
2. CERTIFIED TO NSF/ANSI 372 BY IAPMO.

PLUMBING FIXTURE ROUGH-IN SCHEDULE

MARK	FIXTURE TYPE	ROUGH-IN SIZES				FIXTURE MOUNTING HEIGHT	NOTES
		WASTE SIZE	VENT SIZE	CW SIZE	HW SIZE		
WC-1	WATER CLOSET	4"	2"	1"	-	SEE SPECIFICATION	1, 2
WC-2	WATER CLOSET, ADA COMPLIANT	4"	2"	1"	-	SEE SPECIFICATION	1, 2
L-1	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	UNDERCOUNTER MOUNTED	1, 5, 7
L-2	LAVATORY, ADA COMPLIANT	1 1/2"	1 1/2"	1/2"	1/2"	SEE SPECIFICATION	1, 5, 7
SK-1	SINGLE COMPARTMENT STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"	UNDERCOUNTER MOUNTED	1, 7
SK-2	SINGLE COMPARTMENT STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"	UNDERCOUNTER MOUNTED	1, 7
SK-3	SINGLE COMPARTMENT STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"	UNDERCOUNTER MOUNTED	1, 7
WD-1	FOOD WASTE DISPOSER	1 1/2"	-	-	-	UNDERCOUNTER SINK MOUNTED	8
MB-1	MOP SERVICE BASIN	3"	2"	1/2"	1/2"	FLOOR MOUNTED	1
SU-1	SHOWER UNIT	-	-	1/2"	1/2"	SEE SPECIFICATION	1
SU-2	SHOWER UNIT	-	-	1/2"	1/2"	SEE SPECIFICATION	1
VB-1	VALVE SUPPLY UNIT BOX	-	-	1/2"	-	VARIES REFER TO DETAIL H / P-601	1
WB-1	CLOTHES WASHER SUPPLY UNIT BOX	2"	1 1/2"	1/2"	1/2"	REFER TO DETAIL O / P-601	1
HB-1	HOSE BIBB	-	-	3/4"	-	18"	1
WH-1	WALL HYDRANT	-	-	3/4"	-	24"	6

NOTES:
1. MOUNTING HEIGHT IS FROM FINISHED FLOOR.
2. WALL MOUNTED WATER CLOSET WITH MANUAL OPERATED FLUSH VALVE.
3. WALL MOUNTED WATER CLOSET WITH ELECTRONIC SENSOR OPERATED FLUSH VALVE.
4. INSULATE DRAIN AND WATER SUPPLIES WITH INSULATION KIT.
5. 27" MINIMUM KNEE CLEARANCE WITH MINIMUM 9" TOE CLEARANCE.
6. MOUNTING HEIGHT IS FROM FINISHED GRADE.
7. PROVIDE THE CABINET SUPPLIER WITH APPROVED SHOP DRAWINGS SHOWING THE SIZE OF THE REQUIRED OPENING IN THE CABINET ENCLOSURE FOR THE PROPER INSTALLATION OF THE LAVATORY, TRIM, OR SINK.
8. PROVIDE DECK MOUNTED AIR ACTIVATION SWITCH ASSEMBLY ON ISLAND SINK.

GAS WATER HEATER SCHEDULE

MARK	LOCATION	FUEL TYPE	HEATING CAPACITY				STORAGE CAPACITY (GAL.)	EFF %	UNIT WEIGHT (LBS.)	MANUFACTURER WITH MODEL NUMBER	NOTES
			INPUT CAPACITY	MINIMUM EFFICIENCY	RECOVERY						
					GPM	RISE °F					
DWH-1	RISER ROOM 112	NAT GAS	199,900	-	5.8	67	N/A	96	73	NAVIEN NPE-240S2	1
DWH-2	RISER ROOM 112	NAT GAS	199,900	-	5.8	67	N/A	96	73	NAVIEN NPE-240S2	1
DWH-3	RISER ROOM 112	NAT GAS	199,900	-	5.8	67	N/A	96	73	NAVIEN NPE-240S2	1

NOTES:
1. ELECTRICAL REQUIREMENTS: 120V AC, 60 Hz.

THERMOSTATIC MIXING VALVE SCHEDULE

MARK	LOCATION	CAPACITY		PRESSURE DROP AT MAX FLOW (PSI)	CONNECTION SIZES			EXTERIOR FINISH	CABINET ENCLOSURE	WALL SUPPORT	SWITCOFF VALVES	THERMOMETER	LOCKING REGULATOR	MANUFACTURER WITH MODEL NUMBER	NOTES
		MAX FLOW (GPM)	MIN FLOW (GPM)		HW INLET (IN)	CW INLET (IN)	TEMPER OUTLET (IN)								
TMV-1	RISER ROOM 112	20	1/2	5	1 1/2	1 1/2	1 1/2	BRASS	NO	YES	YES	YES	NO	LAWLER MODEL 802	1

NOTES:
1. SET OUTLET TEMPERATURE TO 120°.

FLOOR DRAIN SCHEDULE

MARK	DESCRIPTION	DRAIN BODY			STRAINER			INTEGRAL TRAP	VANDAL PROOF	SEDIMENT TRASH BUCKET	FUNNEL	INTEGRAL CLEANOUT	MANUFACTURER WITH MODEL NUMBER	NOTES
		MATERIAL	OUTLET SIZE	OUTLET TYPE	MATERIAL	SIZE	TYPE							
FD-1	FLOOR DRAIN	CAST IRON	2"	NO-HUB	NICKEL BRONZE	5"	ROUND	NO	YES	NO	NO	NO	JR SMITH #2005Y-B-PB-U-HP	1, 2
FD-2	FLOOR DRAIN	CAST IRON	4"	NO-HUB	CAST IRON	12"	ROUND	NO	YES	YES	NO	NO	JR SMITH #2630C-12-F-C	1, 2, 6
TD-1	TRENCH DRAIN	FRP	4"	NO-HUB	DUCTILE IRON	-	RECT	NO	YES	YES	NO	NO	DURA TRENCH STP3V04-05SBHC24DBD-S3AMB3S318E-C2.06	1, 2, 3, 4
TD-2	TRENCH DRAIN	FRP	4"	NO-HUB	DUCTILE IRON	-	RECT	NO	YES	YES	NO	NO	DURA TRENCH STP3V04-05SBHC24DBD-S3AMB3S318E-C2.06	1, 2, 3, 4
TD-3	TRENCH DRAIN	BY STRUCTURAL			FIBERGLASS	12"x3'-0"	RECT	NO	YES	YES	NO	NO	DURA TRENCH SNNNS12-145HAM46FGA-96ZFG2I2COC	1, 4, 5

NOTES:
1. FLOOR AND/OR TRENCH DRAIN COVER TO BE FLUSH WITH FINISH FLOOR.
2. PROVIDE TRAP GUARD IN FLOOR DRAIN.
3. PROVIDE WITH DURA TRENCH TRASH BASKET TB4-125.
4. SEE FLOOR PLAN FOR LENGTH OF TRENCH DRAIN.
5. PROVIDE WITH DURA TRENCH LINT SCREEN LS1225, 12" WIDE x 21" DEEP.
6. PROVIDE WITH 1/2 GRATE ON FLOOR DRAIN.

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.4200

DAVID M. BARRINGER
REGISTERED
05/14/26
No. PE10910218
STATE OF INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: JK CHECKED: GR
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

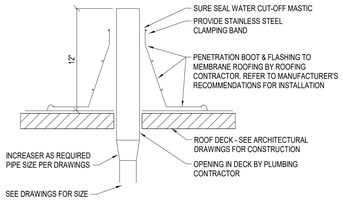
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

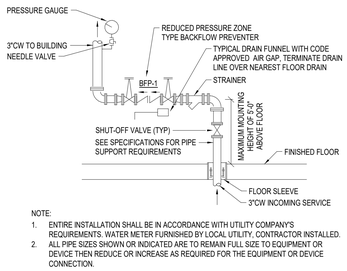
PLUMBING SCHEDULES

P-501

5/13/2026 9:45:46 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-R25-Nineveh#101_P.rvt

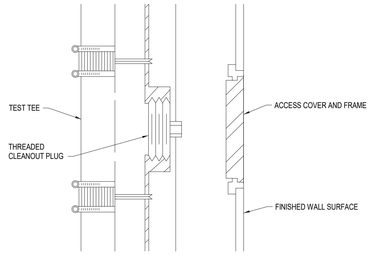


M VENT THRU ROOF DETAIL
NOT TO SCALE

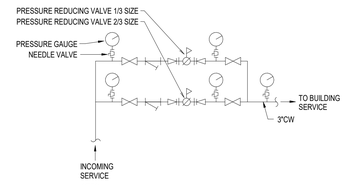


NOTE:
1. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH UTILITY COMPANY'S REQUIREMENTS. WATER METER FURNISHED BY LOCAL UTILITY, CONTRACTOR INSTALLED.
2. ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.

I INCOMING WATER PIPING DETAIL
NOT TO SCALE

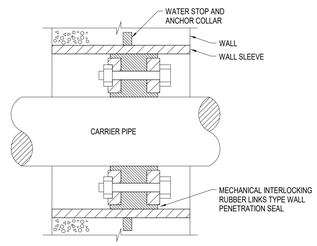


E NO HUB CLEANOUT WITH ACCESS DOOR DETAIL
NOT TO SCALE

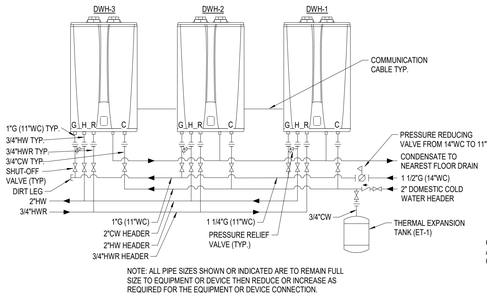


NOTES:
1. ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.
2. PRESSURE REDUCING VALVE INLET PRESSURES TO BE FIELD VERIFIED MAXIMUM ? PSI TO OUTLET PRESSURE OF ? PSI.

A DOMESTIC WATER PRESSURE REDUCING VALVE PIPING DETAIL
NOT TO SCALE

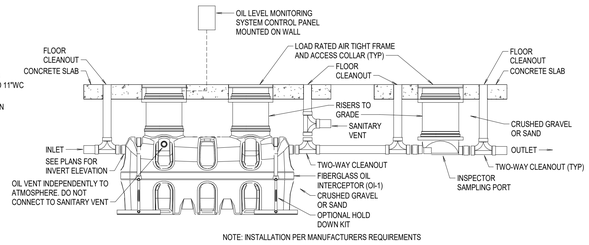


N WALL/FLOOR SLEEVE DETAIL
NOT TO SCALE



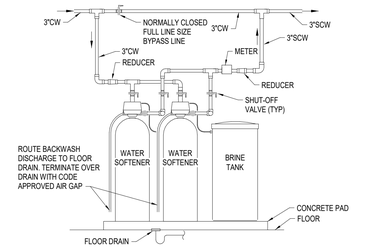
NOTE: ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.

J TANKLESS WATER HEATER PIPING DETAIL
NOT TO SCALE



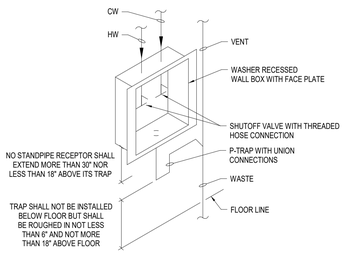
NOTE: INSTALLATION PER MANUFACTURERS REQUIREMENTS

F OIL INTERCEPTOR DETAIL
NOT TO SCALE

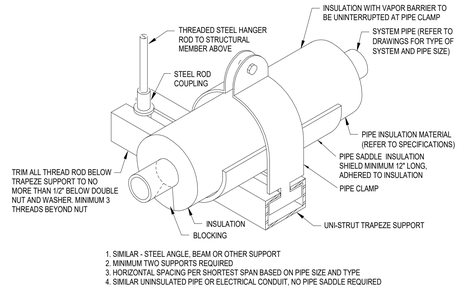


NOTE: ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION

B DUPLEX WATER SOFTENER PIPING DETAIL
NOT TO SCALE

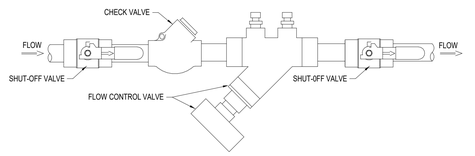


O WASHER BOX PIPING DETAIL
NOT TO SCALE

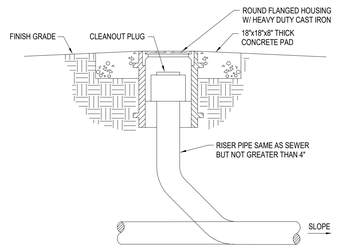


1. SIMILAR - STEEL ANGLE, BEAM OR OTHER SUPPORT
2. MINIMUM TWO SUPPORTS REQUIRED
3. HORIZONTAL SPACING PER SHORTEST SPAN BASED ON PIPE SIZE AND TYPE
4. SIMILAR UNINSULATED PIPE OR ELECTRICAL CONDUIT, NO PIPE SADDLE REQUIRED

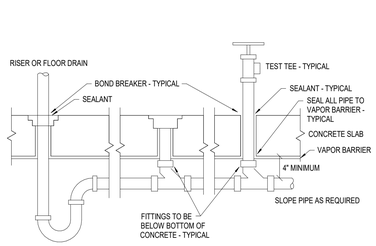
K TRAPEZE DETAIL
NOT TO SCALE



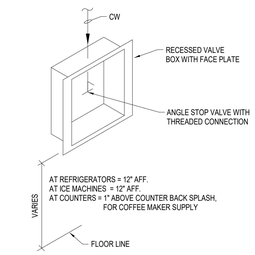
G POTABLE HWR BALANCING VALVE STATION DETAIL
NOT TO SCALE



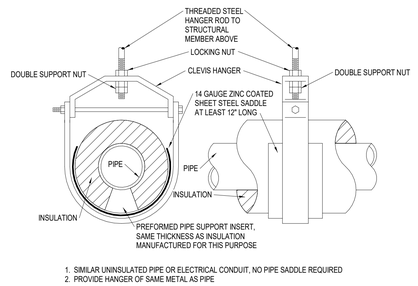
C EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



L TYP STORM VENT WASTE AT SLAB ON GRADE
NOT TO SCALE



H RECESSED VALVE BOX DETAIL
NOT TO SCALE



1. SIMILAR UNINSULATED PIPE OR ELECTRICAL CONDUIT, NO PIPE SADDLE REQUIRED
2. PROVIDE HANGER OF SAME METAL AS PIPE

D INSULATED PIPE HANGER DETAIL
NOT TO SCALE

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.6000

DAVID M. BARRIENTOS REGISTERED 05/14/26 No. PE10910218 STATE OF INDIANA PROFESSIONAL ENGINEER #25033

PROJECT NUMBER:	25033
DRAWN: JK	CHECKED: GR
BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

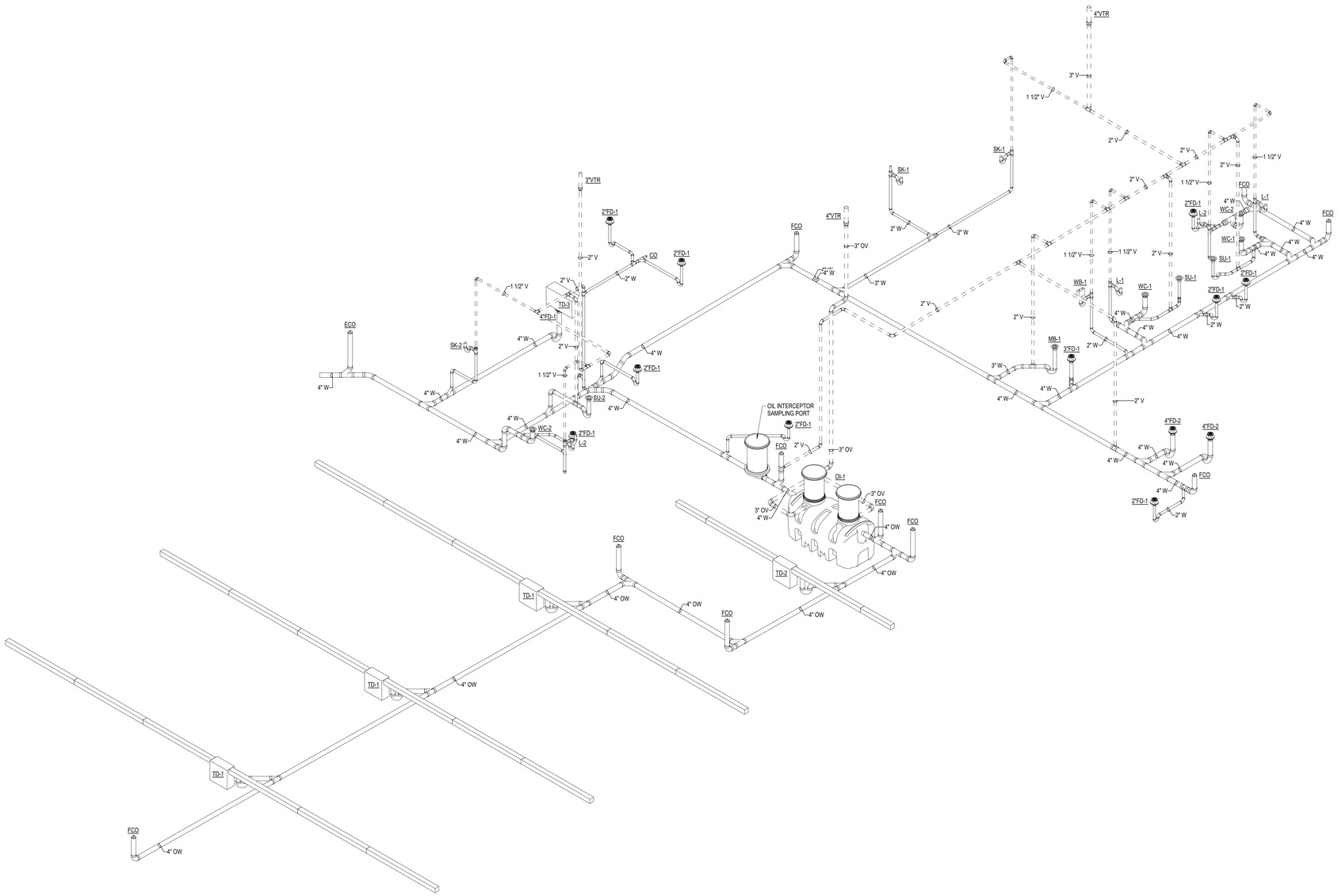
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

PLUMBING DETAILS

P-601

Autodesk Docs://25033 - Nineveh Fire FD Station 101/25033-25Nineveh101_Plumb.rvt
5/13/2026 3:48:41 PM



1 WASTE AND VENT ISOMETRIC
NOT TO SCALE

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Kevin Hendrixson
844 E. 775 S. Nineveh
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Pkwy, Suite 220
Indianapolis, IN 46280
317.781.6200

DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10810218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: JK CHECKED: GR
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

PLUMBING WASTE AND VENT ISOMETRICS

P-901

5/13/2026 3:43:41 PM Autodesk Docs://25033-Nineveh Twp FD Station 101/25033-4Site-Nineveh#101_Permit.rvt

ABBREVIATIONS AND TERMS

&	AND	EMT	ELECTRICAL METALLIC TUBING	OCP	OVERCURRENT PROTECTION
Ø	PHASE	ETR	EXISTING TO REMAIN	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
°F	DEGREES FAHRENHEIT	EWC	ELECTRIC WATER COOLER	OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
A/C	AIR CONDITIONING	EX	EXISTING	OL	OVERLOAD
A	AMPERES	FCU	FAN COIL UNIT	OZ	OUNCE
ACCU	AIR COOLED CONDENSING UNIT	FLR	FLOOR	P	POLE, PHASE, PARALLEL
AF	AMPERE FUSE	FP	FIRE PUMP	PE	PNEUMATIC ELECTRIC
AFC	ABOVE FINISHED COUNTER	FPVAV	FAN POWERED VAV UNIT	PF	POWER FACTOR
AFF	ABOVE FINISHED FLOOR	FT	FOOT, FEET	PH	PHASE
AFG	ABOVE FINISHED GRADE	FURN	FURNACE	PTAC	PACKAGED TERMINAL AIR CONDITIONER
AHU	AIR HANDLING UNIT	G	GROUND, GALLONS	PVC	POLYVINYL CHLORIDE CONDUIT/PIPE
AIC	AMPERES INTERRUPTING CAPACITY	GC	GENERAL CONTRACTOR	RCPT	RECEPTACLE
AL	ALUMINUM	GFI	GROUND FAULT INTERRUPTING	REV	REVOLUTIONS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GFCI	GROUND FAULT CIRCUIT	RGS	RIGID GALVANIZED CONDUIT
ARCH	ARCHITECT	GRD	GROUND	RM	ROOM
ATS	AUTOMATIC TRANSFER SWITCH	GND	GROUND	RPM	REVOLUTIONS PER MINUTE
AVG	AVERAGE	HHWP	HEATING HOT WATER PUMP	RPS	REVOLUTIONS PER SECOND
BAS	BUILDING AUTOMATION SYSTEM	HOA	HAND-OFF-AUTOMATIC	RTU	ROOF TOP UNIT
Bit	BYPASS ISOLATION	HORZ	HORIZONTAL	SF	SQUARE FOOT
BE	BOTTOM ELEVATION	HP	HORSEPOWER	SPEC	SPECIFICATION
BLDG	BUILDING	HR	HOUR(S)	SQ	SQUARE
BMS	BUILDING MANAGEMENT SYSTEM	HRTU	HEATING ONLY ROOFTOP UNIT	ST	SHUNT TRIP
BSMT	BASEMENT	Hz	HERTZ	STD	STANDARD
C	CONDUIT	IAC	INSTRUMENTATIONS AND CONTROLS	SW	SWITCH
CB	CIRCUIT BREAKER	ID	INSIDE DIAMETER	TBD	TO BE DETERMINED
CBA	COLOR BY ARCHITECT	IN	INCH, INCHES	TBI	TO BE INSTALLED
CCW	COUNTERCLOCKWISE	INT	INTERIOR	TBR	TO BE REMOVED
CH	CHILLER	JP	JOCKEY PUMP	TC	TEMPERATURE CONTROLS
CHWP	CHILLED WATER PUMP	K	KELVIN, KEYED	TCC	TEMPERATURE CONTROLS CONTRACTOR
CLG	CEILING	kW	KILOWATT	TR	TAMPER RESISTANT
CMT	CONDUIT EMPTY	KVA	KILOVOLT AMPS	TEMP	TEMPERATURE
COMPR	COMPRESSOR	LBS	POUNDS	TF	TRANSFER FAN
COND	CONDENSER	LSI, LSIG	TRIP TYPE - LONG, SHORT, INSTANTANEOUS, GROUND FAULT	TRANS	TRANSITION
CONV	CONVECTOR	LTG	LIGHTING	TYP	TYPICAL
CT	COOLING TOWER	MAX	MAXIMUM	UH	UNIT HEATER
CU	CONDENSING UNIT, COPPER	MC	MECHANICAL CONTRACTOR	UON	UNLESS OTHERWISE NOTED
CUH	CABINET UNIT HEATER	MCA	MINIMUM CIRCUIT AMPS	UV	UNIT VENTILATOR
CUV	CLASSROOM UNIT VENTILATOR	MCC	MOTOR CONTROL CENTER	V	VOLTS
CW	CLOCKWISE	MFR	MANUFACTURER	VAV	VARIABLE AIR VOLUME
CWP	CONDENSER WATER PUMP	MIN	MINIMUM	VB	VACUUM BREAKER
D	DEDICATED CIRCUIT	MISC	MISCELLANEOUS	VERT	VERTICAL
DC	DIRECT CURRENT	MOP	MAXIMUM OVERCURRENT PROTECTION	VF	VENTILATION FAN
DS	DISCONNECT SWITCH	MTD	MOUNTED	VFD	VARIABLE FREQUENCY DRIVE
DWH	DOMESTIC WATER HEATER	MV	MEDIUM VOLTAGE	W	WIRE, WATT
DWG	DRAWING	NA	NOT APPLICABLE	WP	WEATHERPROOF
EA	EACH	NEC	NATIONAL ELECTRIC CODE	WI	WITH
EC	ELECTRICAL CONTRACTOR	NIC	NOT IN CONTRACT	W/O	WITHOUT
EF	EXHAUST FAN	NL	NIGHT LIGHT	WSHP	WATER SOURCE HEAT PUMP
EFF	EFFICIENCY	NOM	NOMINAL		
EL	ELEVATION	NTS	NOT TO SCALE		

ELECTRICAL EQUIPMENT DESIGNATION METHOD

H U A

H - 480/277V OR 480V
L - 208/120V
(blank) - TRANSFORMER

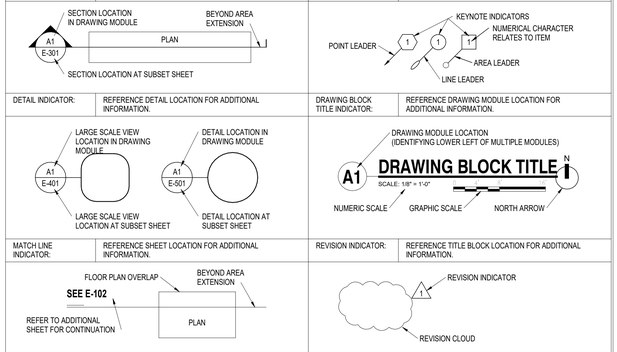
U — FLOOR LEVEL DESIGNATION
B - BASEMENT
1 - FIRST LEVEL
2 - SECOND LEVEL
3 - THIRD LEVEL
R - LOWER / UPPER ROOF LEVEL

A — INDEX
A,B,C,D

EQUIPMENT TYPE
(blank) - NORMAL
C - CRITICAL
LS - LIFE SAFETY
LR - LEGALLY REQUIRED
OS - OPTIONAL STANDBY

REFERENCE SYMBOLS

SECTION INDICATOR:	REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.	KEYNOTE INDICATOR:	REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.
DETAIL INDICATOR:	REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.	DRAWING BLOCK TITLE INDICATOR:	REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.
MATCH LINE INDICATOR:	REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.	REVISION INDICATOR:	REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.
LIGHTING INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.		
	"A" = FIXTURE TYPE, REFER TO FIXTURE SCHEDULE, "2" = CIRCUIT NUMBER, "a" = SWITCH IDENTIFICATION		



ELECTRICAL SYMBOL SCHEDULE

MOUNTING CEIL	MOUNTING WALL	MOUNTING FL	DESCRIPTION
			SURFACE MOUNTED 2'x4' FIXTURE
			RECESSED 2'x4' FIXTURE
			SURFACE MOUNTED DOWNLIGHT
			RECESSED DOWNLIGHT
			SUSPENDED FIXTURE
			DOWNLIGHT FIXTURE - DIRECTIONAL
			LIGHT FIXTURE ON EMERGENCY CIRCUIT
			DOUBLE OR SINGLE HEAD SPOT LIGHT
			WALL MOUNTED FIXTURE
			LUMINAIRE STRIP TYPE FIXTURE
			IN-GROUND OR FLOOR MOUNTED FIXTURE
			POLE MOUNTED SITE LIGHTING FIXTURE
			SINGLE LUMINAIRE SITE LIGHTING FIXTURE
			TWIN LUMINAIRE SITE LIGHTING FIXTURE
			BOLLARD TYPE SITE LIGHTING FIXTURE
			EXIT LIGHT, LINE INDICATES FACE
			ARROW INDICATES FACE WITH ARROW
			BATTERY PACK LIGHTS
			TRACK LIGHT
			SINGLE RECEPTACLE
			SINGLE RECEPTACLE (+44" AFF)
			DUPLEX OUTLET
			DUPLEX OUTLET - GFI PROTECTED
			DUPLEX OUTLET (TOP HALF SWITCHED)
			DUPLEX RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
			QUAD RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
			RECEPTACLE (+44" AFF)
			QUADRUPLEX OUTLET
			QUADRUPLEX OUTLET (+44" AFF)
			SAFETY TYPE OUTLET
			DUPLEX OUTLET (EMERGENCY)
			WEATHERPROOF OUTLET (GFI)
			WEATHERPROOF OUTLET (GFI) (+44" AFF)
			208/240V OUTLET (SIZE AS NOTED)
			208/240V OUTLET (SIZE AS NOTED)
			EXPLOSION PROOF OUTLET
			SPECIAL OUTLET (AS NOTED)
			FLUSH MOUNT FLOOR BOX, ADJUSTABLE, WITH BOTH POWER AND VOICE/DATA RECEPTACLES
			JUNCTION BOX
			MULTI-OUTLET ASSEMBLY
			MULTI-OUTLET ASSEMBLY
			ABOVE COUNTER VOICE/DATA OUTLET (+44" AFF)
			VOICE/DATA OUTLET
			PUBLIC TELEPHONE OUTLET (VOICE ONLY) +48"
			DATA OUTLET (DATA ONLY)
			CLOCK OUTLET
			SOUND SYSTEM AMPLIFIER
			CAMERA
			VOLUME CONTROL
			SPEAKER
			SPEAKER (HORN TYPE)
			T.V. CABLE ANTENNA
			MASTER ANTENNA SYSTEM OUTLET (MATV)
			INTERCOM STATION
			INTERCOM MASTER STATION
			MICROPHONE OUTLET
			EMERGENCY PANIC BUTTON
			EQUIPMENT CABINET
			EQUIPMENT RACK-WALL MOUNTED
			EQUIPMENT RACK-FREE STANDING
			TERMINAL CABINET WITH 3/4" PLYWOOD BACKING
			PLYWOOD BACKBOARD
			CCTV COAXIAL CABLE OUTLET AND POWER OUTLET
			CCTV MONITOR OUTLET
			INTERCOM UNIT - FLUSH MOUNT
			MASTER INTERCOM AND DIRECTORY UNIT
			MOTION DETECTOR
			SECURITY DOOR ALARM MAGNETIC LOCK
			SECURITY CARD READER. "WP" INDICATES WEATHER-PROOF
			SECURITY CONTROL PANEL
			SECURITY DOOR CONTACTS
			SECURITY EXIT PUSH BUTTON
			SECURITY KEYPAD
			TOGGLE DISCONNECT SWITCH
			THERMAL MOTOR SWITCH WITH HANDLE GUARD AND PADLOCK CAPABILITY, "P"-INDICATES PILOT LIGHT

UPPERCASE LETTER IN QUOTES - TYPE
LOWER CASE LETTER - SWITCHLEG

MOUNTING CEIL	MOUNTING WALL	MOUNTING FL	DESCRIPTION
	FACP		FIRE ALARM CONTROL CABINET
	FARA		FIRE ALARM ANNUNCIATOR (REMOTE)
	NAC		NOTIFICATION APPLIANCE CABINET
	F		FIRE ALARM PULL STATION
			HEAT DETECTOR (RATE OF RISE)
			SMOKE DETECTOR (PHOTO-ELECTRIC)
			SMOKE DUCT DETECTOR
			TAMPER SWITCH (SUPERVISORARY)
			FLOW SWITCH
	FP		FIRE FIGHTERS TELEPHONE JACK
	DH		MAGNETIC DOOR HOLDER
			FIRE ALARM BELL/STROBE COMBINATION
			FIRE ALARM STROBE
			FIRE ALARM SPEAKER
			FIRE ALARM CHIME
			FIRE ALARM HORN
			FIRE ALARM SPEAKER/STROBE COMBINATION
			FIRE ALARM HORN/STROBE COMBINATION
			AREA TYPE SMOKE DETECTOR USED AT DUCT WORK OPENING
			ELEVATOR RECALL WITH AUXILIARY CONTACTS
			SELF CONTAINED SMOKE DETECTOR-SINGLE STATION TYPE
			BEAM SMOKE DETECTOR, "R"-INDICATES RECEIVER
			BEAM SMOKE DETECTOR, "S" INDICATES SENDING UNIT
			CARBON MONOXIDE DETECTOR. LINE VOLTAGE WITH BATTERY BACKUP
			HYDROGEN DETECTOR
			MOTOR OPERATED FIRE/SMOKE DUCT DAMPER
	KNB		KEY REPOSITORY (KNOX BOX)
		RA	RESCUE ASSISTANCE STATION
	CR		CONTROL RELAY
	RTS		REMOTE STATION FOR DUCT DETECTOR USED AT DUCT WORK OPENING
	IAM		INDIVIDUALLY ADDRESSABLE MODULE- MONITOR (PROVIDES ADDRESS FOR CONTACT)
	ZAM		INDIVIDUALLY ADDRESSABLE MODULE- RELAY (PROVIDES CONTACT CLOSURE)
	CON		CONTACTOR
			CAPACITOR
	PS		LOW PRESSURE SWITCH, BY DIVISION 15
	PIV		POST INDICATOR VALVE, BY DIVISION 15
			TRANSFER SWITCH
		P	MANUAL STARTER (P - PILOT LIGHT)
			MAGNETIC MOTOR STARTER
			COMBINATION MAGNETIC MOTOR STARTER & DISCONNECT
			PUSHBUTTON STATION AS NOTED
	CB		CIRCUIT BREAKER IN ENCLOSURE
			DISCONNECT SWITCH
	S		SWITCH - SINGLE POLE
	S_2		SWITCH - 2 POLE
	S_3		SWITCH - 3 WAY
	S_4		SWITCH - 4 WAY
	S_P		SWITCH WITH PILOT LIGHT (ANY TYPE SW.)
	S_{WP}		SWITCH - WEATHERPROOF
	S^{MC}		MOMENTARY CONTACT SWITCH
	S_T		MECHANICAL TIMER SWITCH
	S_K		KEYED SWITCH
	S_H		HORSEPOWER RATED MANUAL MOTOR STARTER TOGGLE SWITCH W/ THERMAL OVERLOAD PROTECTION
	D		DIMMER SWITCH, RATED 1000W, UNLESS OTHERWISE INDICATED. "LV" = LOW VOLTAGE "FL" = FLUORESCENT
	B		DOOR BELL
			OCCUPANCY SENSOR
	DH		ELECTRIC DOOR OPENER
	WS		LOW VOLTAGE PUSH BUTTON WALL STATION
			PHOTOCELL
			MOTORIZED DOOR PUSH PLATE
	ML		MAGNETIC LOCK (ROUGH-IN)
	AE		AUTO-EQUALIZER (ROUGH-IN)
	PH		POWER HINGE (ROUGH-IN)
	PN		PNEUMATIC POWER TRANSFER (ROUGH-IN)
		MC	MAGNETIC DOOR CONTACT
	ES		ELECTRIC DOOR STRIKE
			EXIT ALERT, AUDIBLE, WITH LOCAL KEYSWITCH CONTROL

SYMBOL	DESCRIPTION
	BASKET TYPE CABLE TRAY OVERHEAD
	GROUND WIRE TO GROUND WIRE EXOTHERMIC WELD
	GROUND BUS BAR
	GROUND ROD
	TEST WELL WITH GROUND ROD
	MOTOR - SINGLE PHASE
	MOTOR - 3 PHASE
	PLUGMOLD RACEWAY
WM	WIREMOLD RACEWAY
	CONDUIT CONCEALED IN OR ABOVE CEILING
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN OR BELOW FLOOR
	HOMERUN
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	DIRECT BURIED CABLE
	PHASE, NEUTRAL, GROUND
	PHASE, PHASE, NEUTRAL, GROUND
	PHASE, PHASE, PHASE, NEUTRAL, GROUND
	PHASE, PHASE, NEUTRAL, NEUTRAL, GROUND
	PHASE, PHASE, GROUND
	PHASE, PHASE, PHASE, GROUND
	HOMERUN
	PHASE, NEUTRAL, GROUND, HOMERUN
	TWISTED PAIR CABLE
	CONDUIT STUBBED OUT & CAPPED
	CONDUIT STUBBED OUT WITH BUSHING
J J J	JUNCTION BOXES
	GROUND ROD & CONNECTION
T	THERMOSTAT
T	TRANSFORMER
T	TRANSFORMER-PAD MOUNT
CT	CURRENT TRANSFORMER CABINET
M	MOTOR
M	METER
M	METER AND SOCKET
CM	CUSTOMER METER
D	DEMAND METER (UTILITY)
WM	WATTHOUR METER (UTILITY)
TC	TIME CLOCK
	48V D.C. EMERGENCY LIGHT
	DISTRIBUTION PANEL
	LIGHTING OR POWER PANEL, RECESSED
	LIGHTING OR POWER PANEL, SURFACE
	LIGHTING OR POWER PANEL ON NORMAL/GENERATOR FEEDER
	DISTRIBUTION PANEL ON NORMAL/GENERATOR FEEDER
	MOTOR CONTROL CENTER (MCC)
	CIRCUIT BREAKER
	COIL (RELAY, CONTACTOR OR CONTROLLER)
	FUSE
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	NORMALLY OPEN MOMENTARY CONTACT
	NORMALLY CLOSED MOMENTARY CONTACT
P	PILOT LIGHT
	SWITCH (MANUAL OR AS NOTED)
	TRANSFORMER
	CIRCUIT BREAKER (OPEN), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE
	CIRCUIT BREAKER (ENCLOSED), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE
CT	CURRENT TRANSFORMER CABINET
	DISCONNECT SWITCH UNFUSED
	DISCONNECT SWITCH AIR BREAK WITH FUSE."zzA" INDICATES FUSED RATING
	FUSE, "zzA" INDICATES FUSED RATING
	OVERLOAD RELAY
	GROUNDING CONNECTION-SYSTEM AND OR EQUIPMENT
K2	KIRK KEY INTERLOCK SYSTEM
	LIGHTNING ARRESTER AND GROUNDING TO PROTECT ALL PHASES
XX-AA-X.X	MOTOR AND LABEL, "3" DENOTES HORSEPOWER
MO	MOTOR OPERATOR FOR CIRCUIT BREAKERS OR SWITCH
	RESISTOR
ST	SHUNT TRIP
	MAGNETIC STARTER WITH NEMA SIZE INDICATED
G	GENERATOR
XX mm BUS DUCT	BUS DUCT OR BUS WAY
XX mm WIRE WAY	WIRE WAY
	TRANSFER SWITCH

GENERAL ELECTRICAL NOTES

1. VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BIDDING AND BEGINNING WORK.
2. REVIEW THE WORK OF OTHER TRADES. COORDINATE AND PLAN WORK WITH THE OTHER TRADES. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
4. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
5. DEMOLITION/REMODEL
   A. ALL MATERIALS REMOVED, AND NOT RELOCATED, BECOME THE PROPERTY OF THE CONTRACTOR. REMOVE MATERIALS FROM THE PROJECT SITE UNLESS NOTED OTHERWISE. OWNER HAS THE OPTION TO REVIEW ITEMS PRIOR TO REMOVAL AND RETAIN IF DESIRED.
   B. PATCH WALLS, FLOORS, CEILINGS, COLUMNS, ROOF PENETRATIONS, ETC. WHERE ITEMS ARE REMOVED TO MATCH FINISH OF ADJACENT SURFACES.
   C. RELOCATE EXISTING ITEMS AS REQUIRED FOR REMOVAL AND INSTALLATION OF WALLS, CEILINGS, DUCTWORK, PIPING AND EQUIPMENT.
   D. REMOVE ALL CONDUIT, WIRING, BOXES, SWITCHES, SUPPORTS, ETC. MADE UNNECESSARY, OR OBSOLETE AS A RESULT OF THIS PROJECT.
   E. EQUIP ALL OUTLET BOXES, CONCEALED BY CONSTRUCTION, WITH EXTENSION RINGS, BOXES, OR ACCESS PANEL TO MAINTAIN ACCESS TO BOXES AND WIRING. NOTE: CONTRACTOR HAS OPTION TO PROVIDE NEW HOME RUNS TO DOWNSTREAM OUTLETS IF EXTENSION BOXES OR ACCESS PANELS ARE IMPRACTICAL.
   F. REARRANGE EXISTING PANEL CIRCUITRY TO ACCOMMODATE REVISIONS.
   G. MAINTAIN EXISTING LIGHTING CIRCUITS. RELOCATE LIGHTING, AS SHOWN ON THE DRAWINGS, RECONNECTING TO SWITCHED OR UNSWITCHED CIRCUITS AS APPLICABLE.
   H. ALL ITEMS WITH NOTATION "EX" ARE TO REMAIN.
   I. ALL ITEMS WITH NOTATION "R" ARE RELOCATED, AS NOTED.
6. ELECTRICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL CONDUIT AND DEVICES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
7. PERFORM ALL WORK IN A SKILLED, PROFESSIONAL, MANNER MEETING THE ACCEPTANCE OF THE ENGINEER, ARCHITECT AND OWNER.
8. LABEL ALL RECEPTACLE DEVICES AS TO WHICH PANEL AND OVERCURRENT DEVICE FEEDS THE DEVICE WITH AN INDELIBLE MARKER ON THE BACK SIDE OF THE COVER PLATE. DEVICE WITH PLASTIC ENGRAVED PLATE ON THE FRONT SIDE OF THE COVER PLATE.
9. SMALLEST CONDUIT SIZE ALLOWABLE IS 3/4", AND SMALLEST WIRE SIZE ALLOWABLE IS #12 AWG COPPER UNLESS SPECIFICALLY NOTED OTHERWISE. ADJUST CIRCUIT AND CONDUIT SIZES FOR VOLTAGE DROP.
10. MOUNTING HEIGHTS OF DEVICES SHALL FOLLOW THE LISTING BELOW UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.

CONVENIENCE OUTLET	+20" AFF TO TOP OF DEVICE
TELEPHONE OUTLET	+20" AFF TO TOP OF DEVICE
DATA OUTLET	+20" AFF TO TOP OF DEVICE
LIGHT SWITCH OR DIMMER	+48" AFF TO TOP OF DEVICE
DEVICES ABOVE COUNTERTOP	+44" AFF TO TOP OF DEVICE
EXIT LIGHT	+90" AFF TO TOP OF DEVICE
THERMOSTAT OR TEMPERATURE/HUMIDITY SENSOR	+48" AFF TO TOP OF DEVICE
FIRE ALARM PULL STATION	+48" AFF TO TOP OF DEVICE
FIRE ALARM HORN	+84" AFF TO TOP OF DEVICE
FIRE ALARM STROBE	+84" AFF TO TOP OF DEVICE
FIRE ALARM COMBINATION HORN/STROBE	+84" AFF TO TOP OF DEVICE
FIRE ALARM REMOTE ALARM LAMP	+90" AFF TO TOP OF DEVICE

11. CLEAN ALL EQUIPMENT TO PRESENT A "LIKE NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
12. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
13. THE MOUNTING POSITION FOR ALL STRAIGHT BLADE, VERTICALLY ORIENTED, NEMA 5, 6, 7, 14 AND 15 RECEPTACLES SHALL BE SUCH THAT THE GROUND PIN IS UP (ABOVE PHASE AND NEUTRAL BLADES). THE MOUNTING POSITION FOR ALL STRAIGHT BLADE, HORIZONTALLY ORIENTED, NEMA 5 AND 7 RECEPTACLES SHALL BE SUCH THAT THE NEUTRAL BLADE IS UP (ABOVE THE PHASE BLADE).
14. ALL ABOVE COUNTER DEVICES, LIGHT SWITCHES, RECEPTACLES AND TELE/DATA ROUGH-INS, TO BE MOUNTED AT THE SAME ELEVATION. COORDINATE WITH ARCHITECTURAL CASEWORK ELEVATIONS, SECTIONS AND WALL TYPES.
15. ELEVATORS - PROVISION FOR EACH ELEVATOR IS TO BE PER N.E.C ARTICLE 620 AND IS TO INCLUDE THE FOLLOWING:
   A. POWER FOR CONTROLLER AND MACHINE.
      a. GROUND CONDUCTOR IS TO BE THE SAME SIZE AS PHASE CONDUCTORS.
      b. CIRCUIT OVERCURRENT DEVICE WITH CHARACTERISTICS OF TYPE RK1 FUSE AND GROUND FAULT PROTECTION. ABLE TO BE LOCKED IN OPEN POSITION.
      c. DISCONNECT AT CONTROLLER. ABLE TO BE LOCKED IN OPEN POSITION.
      d. DISCONNECT AT MACHINE. ABLE TO BE LOCKED IN OPEN POSITION.
      e. CIRCUIT SIZES AND OVER CURRENT/DISCONNECT DEVICES ARE SHOWN AS BASIS OF DESIGN. CONTRACTOR TO COORDINATE AND PROVIDE AS REQUIRED BY SPECIFIC ELEVATOR MANUFACTURER.
      f. FOR ELEVATORS WITH BATTERY POWERED AUTO RETURN UNIT PROVIDE AUXILIARY CONTACTS AT MAIN LINE OVER CURRENT AND DISCONNECT DEVICES WITH CONTROL WIRING TO ELEVATOR CONTROLLER.
   B. 120V DEDICATED CIRCUIT FOR ELEVATOR CAR LIGHTS TO CONTROLLER.
   C. (2) TELEPHONE LINES FOR ELEVATOR CAR TO CONTROLLER.
   D. DEDICATED CIRCUIT FOR 120V POWER FOR GFCI RECEPTACLE AT LOCATION OF CONTROLLER AND LOCATION OF MACHINE.
   E. DEDICATED CIRCUIT FOR 120V POWER FOR GFCI RECEPTACLE IN PIT.
   F. LIGHTING AT CONTROLLER, MACHINE AND PIT – 19 FC ON EMERGENCY POWER OR BATTERY BACKUP.
   G. FIRE ALARM
      a. (2) RELAYS FOR ELEVATOR RECALL AT CONTROLLER
      b. SMOKE DETECTOR AT ELEVATOR LOBBIES
      c. SMOKE DETECTOR IN CONTROLLER ROOM
      d. SMOKE DETECTOR AT MACHINE.
16. ALL ELECTRICAL PANELS IN APARTMENT UNITS ARE TO BE INSTALLED WITH TOP OF PANEL A MAXIMUM OF 48" A.F.F.
17. ALL WORK INCLUDING CIRCUITS, CONDUIT AND OVER CURRENT DEVICES REQUIRED FOR COMPLETE INSTALLATION IS NEW UNLESS SPECIFICALLY OTHERWISE NOTED.
18. IF OUTLETS BECOME BACK TO BACK THEY ARE TO BE MOVED OR SEPARATED BY 6" AND USE PUTTY PACKS. IF BOXES CANNOT BE MOVED AND FALL BACK TO BACK SEPARATE THE STUD CAVITY WITH DRYWALL ON THE BACK SIDE AND A HEADER OR BLOCKING ABOVE THE OUTLET TO NAIL OFF THE DRYWALL.
19. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE REQUIRED PROTECTED PREMISES FIRE ALARM SYSTEM. THE FIRE ALARM CONTRACTOR'S DESIGN SHALL BE GENERATED FORM SCRATCH USING THE NECESSARY BACKGROUNDS FROM THE ARCHITECT. THESE FIRE ALARM CRITERIA DRAWINGS WILL NOT BE PROVIDED IN AUTOCAD FORMAT TO THE FIRE ALARM CONTRACTOR FOR THIER USE.

SHEET TYPE DESIGNATORS

000	GENERAL (SYMBOLS, ABBREVIATIONS, NOTES)
100	PLANS
400	ENLARGED PLANS & SECTIONS
500	SCHEDULES
600	ONE LINE DIAGRAMS
700	CONTROL DIAGRAMS
800	(USER DEFINED)
900	DETAILS

LINETYPE DESIGNATORS

	THIN CONTINUOUS LINETYPE INDICATE EXISTING ITEMS.
	INTERMEDIATE DASHED LINETYPE INDICATE ITEMS TO BE REMOVED ON COMBINATION PLANS.
	INTERMEDIATE OR WIDE CONTINUOUS LINETYPE INDICATE WORK TO BE INCLUDED.
	THIN HALFTONE LINETYPE INDICATE ITEMS BY OTHER DISCIPLINE.
	INDICATES POINT OF CONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.
	INDICATES POINT OF DISCONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.

DISCIPLINE DESIGNATORS

M-000	MECHANICAL
FP000	FIRE SUPPRESSION
P-000	PLUMBING
PD000	PLUMBING DEMOLITION
H-000	HVAC
HD000	HVAC DEMOLITION
HP000	HVAC PIPING
ET000	COMMUNICATION
FA000	FIRE ALARM

NOTATION DESIGNATORS

GENERAL MECHANICAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN THE DISCIPLINE.
GENERAL SHEET NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR.
SHEET PLAN NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR AND USE A PLAN NOTE INDICATOR TO IDENTIFY ITEMS.

SHEET PLAN NOTES

1.

THE E.C. SHALL REVIEW ALL ARCHITECTURAL CASEWORK ELEVATIONS AND COORDINATE ALL ELECTRICAL DEVICE LOCATIONS AT ROUGH-IN WITH THOSE ELEVATIONS. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. E.C. WILL BE RESPONSIBLE FOR REWORK OF ANY DEVICES NOT PROPERLY COORDINATED.

NOT ALL NOTES, DESIGNATORS, SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PROJECT

STUDIO AXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-951-1438

STRUCTURAL ENGINEER
JQDI
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4000

05/14/2026 BARRY K. SIMPSON REGISTERED PE 10700117 STATE OF INDIANA PROFESSIONAL ENGINEER 25033

CDG PROJECT NUMBER:	25033
DRAWN: GP	CHECKED: BKS
BID & PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

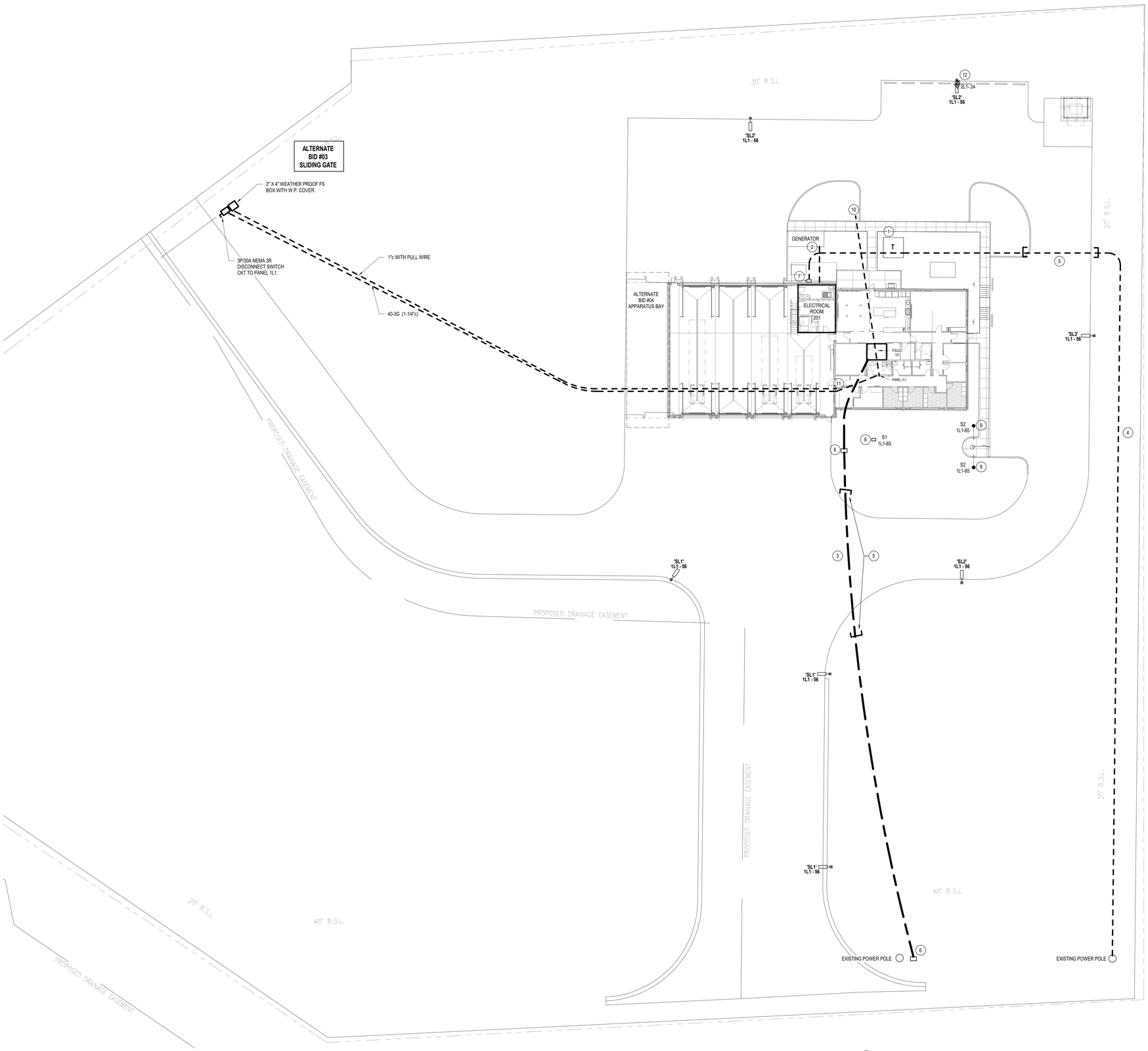
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E-000

Autodesk Docs://25033.3 - Nineveh Fire FD Station 101/25033-KBA-Nineveh#101_Rev.rvt
5/13/2026 12:30:40 PM



1 ELECTRICAL SITE PLAN
1" = 20'-0"

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. SEE SHEET E-501 FOR MECHANICAL EQUIPMENT POWER SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. SEE SHEETS E601 AND E-602 FOR ELECTRICAL DETAILS.
E. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
F. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
G. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
H. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
I. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
J. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.
K. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL INTERCONNECT WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT FURNISHED BY OTHERS.
L. COORDINATE EXACT LOCATIONS OF MECH AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING DRAWINGS.

SHEET PLAN NOTES

1 DUKE UTILITY TRANSFORMER. SEE ELECTRICAL ONE LINE DIAGRAM FOR BUILDING ELECTRICAL FEEDER.
2 SEE ELECTRICAL ONE LINE DIAGRAM FOR BUILDING GENERATOR FEEDER.
3 PROVIDE (2) 4" CONDUIT FOR SERVING UTILITIES TO BUILDING IT ROOM. COORDINATE.
4 PROVIDE (2) 4" CONDUIT FOR UTILITIES SEE CIVIL SITE PLAN FOR MORE INFORMATION.
5 CONDUITS SHALL BE ENCASED IN CONCRETE UNDER ROADWAY.
6 PROVIDE 36" x 24" x 48" DEEP COMMUNICATION HANDHOLE. COORDINATE WITH LOCAL UTILITIES.
7 BUILDING SERVICE DISCONNECT SWITCH. SEE ONE LINE DIAGRAM FOR MORE INFORMATION.
8 BUILDING SIGN LIGHT - 15'-0" FROM BUILDING CENTERED BETWEEN WINDOWS. DIRECT INSTALLED FIXTURE TO CENTER ON SIGN. SEE FIXTURE TYPE DESCRIPTION FOR ADDITIONAL INFORMATION.
9 GROUND MOUNTED FLAGPOLE LIGHT - 10'-0" FROM FLAGPOLE AND 180 DEGREES FROM SECOND FLAGPOLE LIGHT. SEE FIXTURE TYPE DESCRIPTION FOR ADDITIONAL INFORMATION.
10 PROVIDE (1) 2" CONDUIT FOR FUTURE E.V. FROM PANEL 1L1.
11 ALTERNATE BID #03. PROVIDE 1-GANG BOX FOR GATE CONTROL AND CONDUITS TO WATCH ROOM AND PANEL AS SHOWN.
12 PROVIDE WEATHERPROOF RECEPTACLE IN WEATHERPROOF BOX. MOUNT TO LIGHT POLE BASE FACING PARKING LOT.

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6000

BARRY K. SIMPSON REGISTERED PE 10700117 STATE OF INDIANA PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

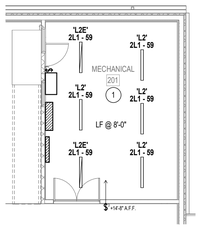
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ELECTRICAL SITE PLAN

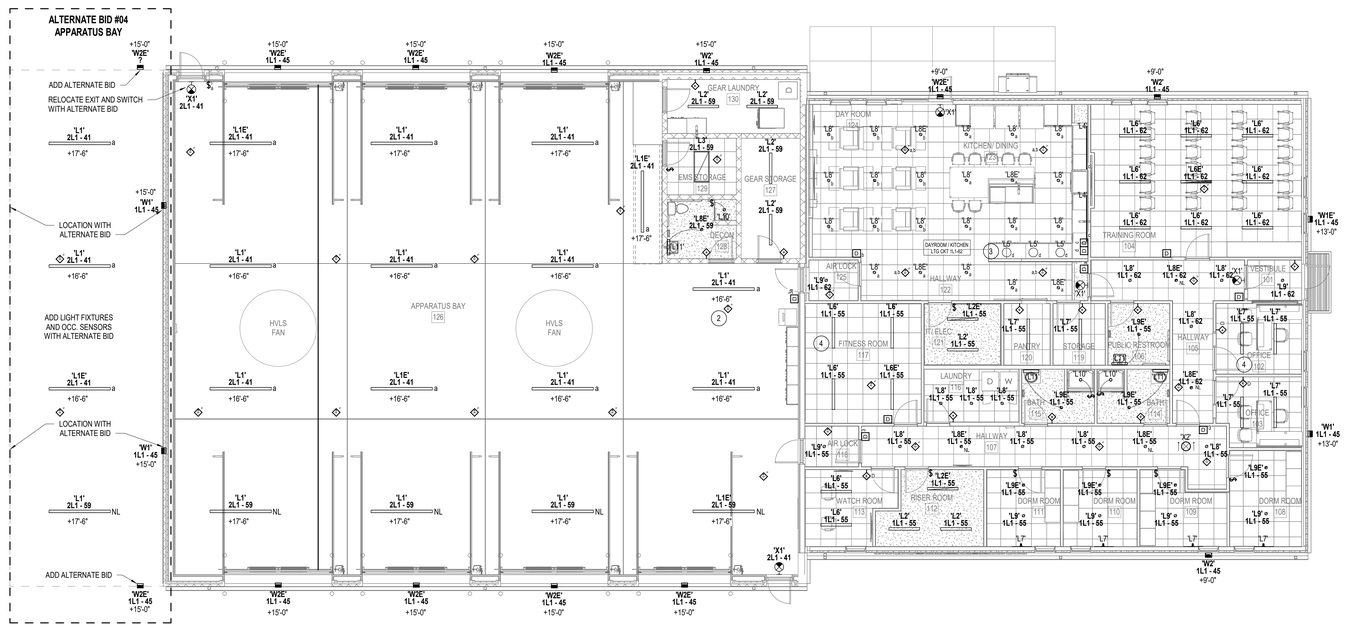
ES101

5/13/2026, 12:53:12 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-R24-NinevehFS101_ElecCrvd



2 MEZZANINE LIGHTING PLAN

1/8" = 1'-0"



1 FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"

0 4' 8' 16'

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. REFER TO SHEET E-501 FOR LIGHTING FIXTURE SCHEDULE.
C. SEE SHEETS E-503FOR PANEL SCHEDULES.
D. SEE SHEETS E-601THROUGH E-603 FOR ELECTRICAL DETAILS.
E. COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN AND INSTALLATION OF LIGHTS.
F. ALL MOUNTING HEIGHTS NOTED ON THE PLANS ARE TO THE BOTTOM OF THE FIXTURES UNLESS NOTED OTHERWISE.
G. LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA COVERAGE OF THE SPACE THEY ARE INSTALLED IN. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURER'S PRODUCT DATA TO DETERMINE COVERAGE. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.
H. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
I. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
J. LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICES SERVES, THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
K. EMERGENCY LIGHTING SHOWN ON THIS DRAWING INDICATES CODE REQUIRED EMERGENCY LIGHTING FED FROM THE 'EMERGENCY BRANCH' OF THE ESSENTIAL ELECTRICAL SYSTEM.
L. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE-RATED PARTITIONS, CABINET AND CASEWORK AND BUILT-IN DETAILS.
M. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
N. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
O. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
P. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.

SHEET PLAN NOTES

1 ADJUST LOCATIONS AS REQUIRED FOR MECHANICAL COORDINATION.
2 HIGH BAY OCCUPANCY SENSOR MOUNTED TO CEILING IN APPARATUS BAY - TYPICAL OF ALL.
3 HEIGHT ABOVE COUNTER TO BE DETERMINED AT INSTALLATION - CONFIRM +/-3'-0" TO BOTTOM OF PENDANT.
4 EXTRA COORDINATION REQUIRED WITH MECHANICAL EQUIPMENT TO MAKE SURE GRID AND LIGHT FIXTURES ARE CENTERED IN ROOM.

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4000

BARRY K. SIMPSON
REGISTERED
PE19700177
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: KCM CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

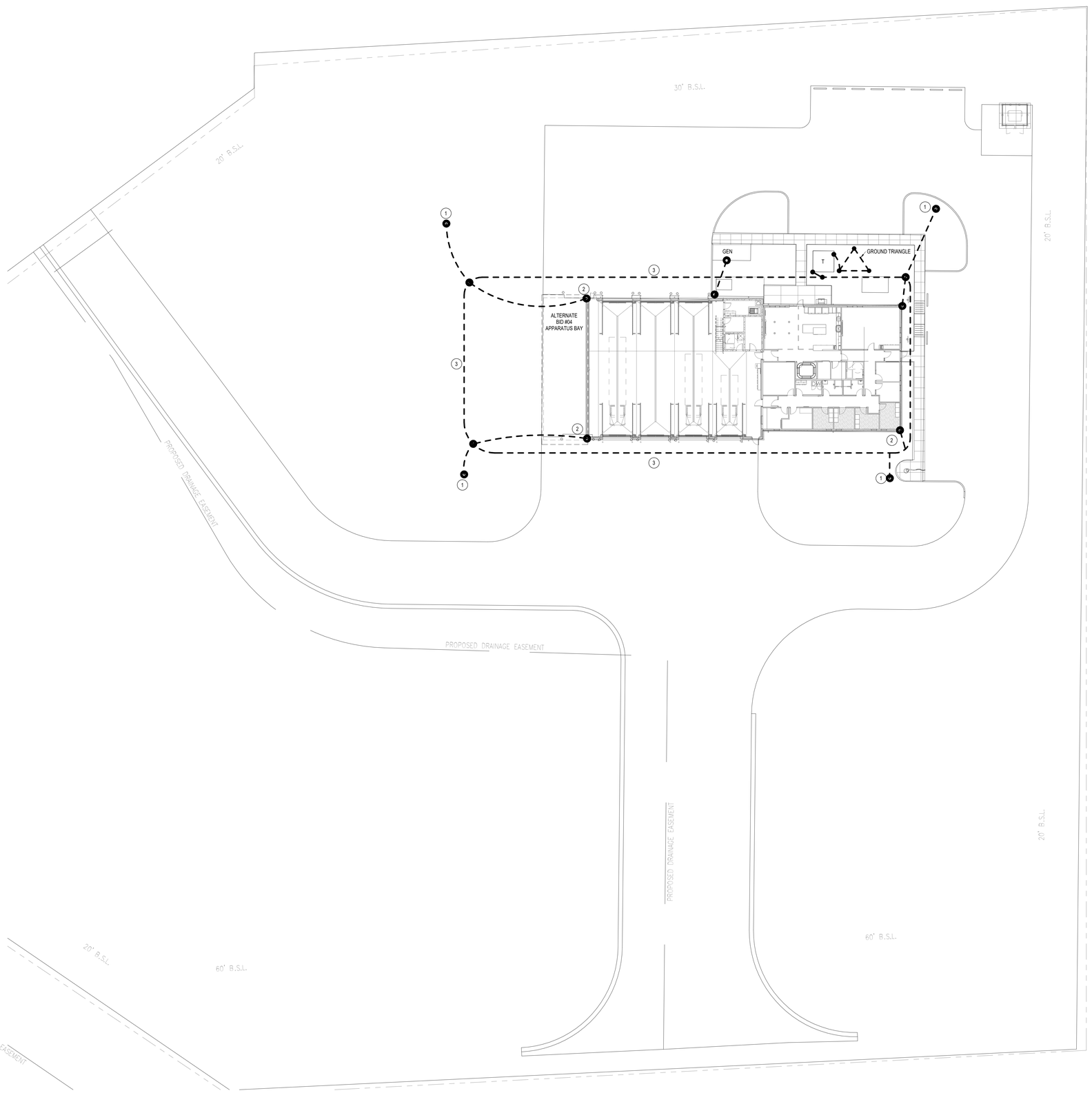
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR LIGHTING PLAN

EL101

5/13/2026 12:13:24 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033 #SkNineveh#101_R6c.rvt



1 UNDERGROUND SITE PLAN
1" = 20'-0"
0 10' 20' 40'

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. SEE SHEET E-501 FOR MECHANICAL EQUIPMENT POWER SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. SEE SHEETS E601 AND E-602 FOR ELECTRICAL DETAILS.
E. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
F. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
G. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
H. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
I. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
J. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.
K. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL INTERCONNECT WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT FURNISHED BY OTHERS.
L. COORDINATE EXACT LOCATIONS OF MECH AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING DRAWINGS.

SHEET PLAN NOTES

1 PROVIDE 3/4" x 10' CU GROUND ROD.
2 BOND TO BUILDING STEEL.
3 PROVIDE 3/0 CU GROUND CABLE.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6000

HARRY K. SMITH REGISTERED PE 10700117 STATE OF INDIANA PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

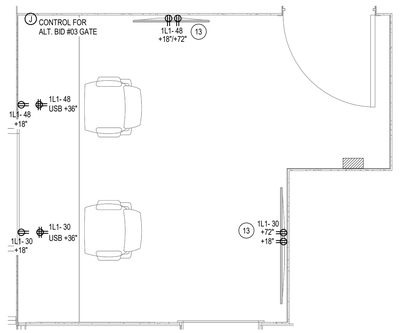
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

UNDERGROUND SITE PLAN

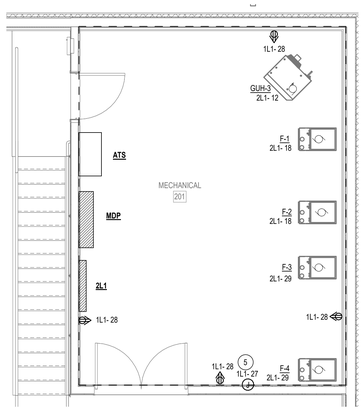
EP100

Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-E04-NinevehFS101_E&C.rvt
5/7/2026 12:34:45 PM



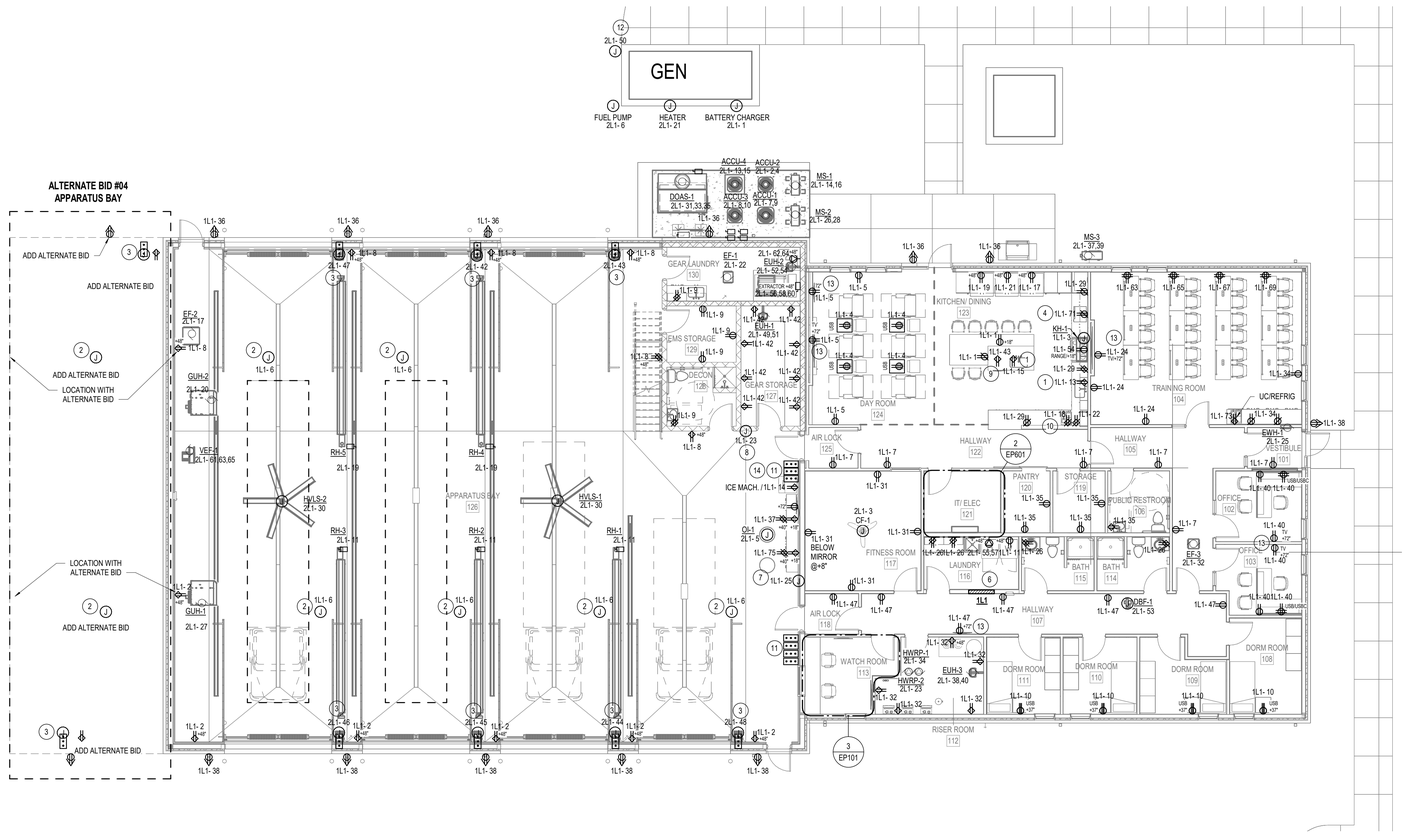
3 WATCH ROOM POWER PLAN

1/2" = 1'-0"



2 MEZZANINE POWER PLAN

1/4" = 1'-0"



1 FIRST FLOOR POWER PLAN

1/8" = 1'-0"

N

0 4' 8' 16'

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. SEE SHEET E-501 FOR MECHANICAL EQUIPMENT POWER SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. SEE SHEETS E601 AND E-602 FOR ELECTRICAL DETAILS.
E. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
F. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
G. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
H. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
I. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
J. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.
K. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL INTERCONNECT WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT FURNISHED BY OTHERS.
L. COORDINATE EXACT LOCATIONS OF MECH AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING DRAWINGS.

SHEET PLAN NOTES

1 GARBAGE DISPOSAL- GFCI RECEPTACLE AT +18" AND AIR SWITCH ON COUNTERTOP. CONNECT COMPLETE.
2 PROVIDE ELECTRICAL CORD REEL PER DETAIL ON E-602.
3 FOR POWER DRIVE UNIT AND ALL CONTROLS. EACH BAY WILL HAVE "GATE ARMS" LED ILLUMINATED DOOR SAFETY KIT AND EXTERIOR MOUNTED ANTENNA. STUB CONDUIT THROUGH WALL TO JUNCTION BOX ON EXTERIOR. COORDINATE LOCATION OF EXTERIOR J-BOX WITH OVERHEAD DOOR INSTALLER & ARCHITECT BEFORE ROUGH-IN.
4 ABOVE COUNTER MICROWAVE RECEPTACLE +42". VERIFY IN FIELD.
5 PROVIDE 120V POWER FOR HVLS CONTROL PANEL. COORDINATE LOCATION WITH MECHANICAL EQUIPMENT.
6 PROVIDE DRYER RECEPTACLE TO MATCH OWNER FURNISHED EQUIPMENT.
7 PROVIDE 120V POWER FOR GDS PANEL. COORDINATE LOCATION.
8 PROVIDE 120V POWER FOR OI-1 PANEL.
9 GFCI FOR DISHWASHER +18".
10 MOUNT RECEPTACLE HORIZONTAL UNDER 12" COUNTER TOP
11 PROVIDE GARAGE BUTTON CONTROLLERS BY AIR LOCK AS SHOWN.
12 PROVIDE 120V WITH GFI BREAKER FOR THE FUEL TRUCKS PUMP ((2)-10 AWG, (1)-12 GND, 3/4" C WITH SEAL-OFFS.)
13 COORDINATE ALL MONITOR HEIGHTS PRIOR TO INSTALLATION.
14 COORDINATE ALL ELECTRICAL AND MECHANICAL DEVICE HEIGHTS AND ON THIS WALL.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR POWER PLAN

EP101

5/13/2026 2:53:59 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-#25-Nineveh#101_Rev.rvt

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. SEE SHEET E-501 FOR MECHANICAL EQUIPMENT POWER SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. SEE SHEETS E601 AND E-602 FOR ELECTRICAL DETAILS.
E. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
F. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
G. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
H. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
I. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
J. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.
K. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL INTERCONNECT WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT FURNISHED BY OTHERS.
L. COORDINATE EXACT LOCATIONS OF MECH AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING DRAWINGS.

SHEET PLAN NOTES

1 PROVIDE (2) - 2" CONDUIT FROM IT ROOM 109 TO ROOF WITH WEATHER HEAD. COORDINATE EXACT LOCATION.
2 PROVIDE ROOF PENETRATION. SEE DETAIL ON E-601.

1 ROOF POWER PLAN
1/8" = 1'-0"
0 4' 8' 16'

N

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Madison
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6000

DARRYL K. SIMPSON
REGISTERED
PE10700177
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

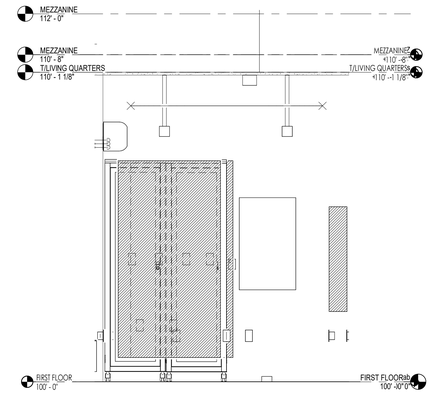
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ROOF POWER PLAN

EP102

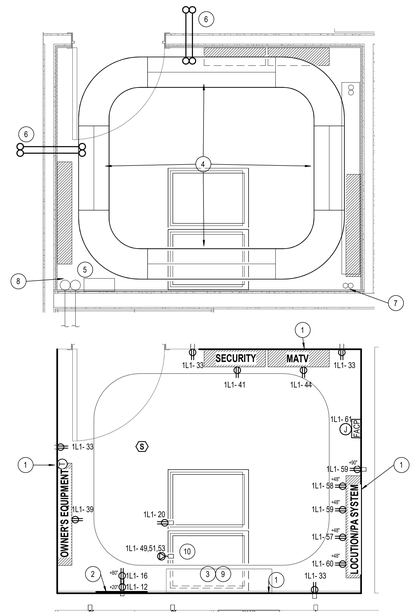
5/13/2026 2:42:52 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-Fire Nineveh#101_R&C.rvt



6 IT ROOM - NORTH ELEVATION

1/2" = 1'-0"

0 1' 2' 4'



2 IT CLOSET ROOM 121 ENLARGED PLANS

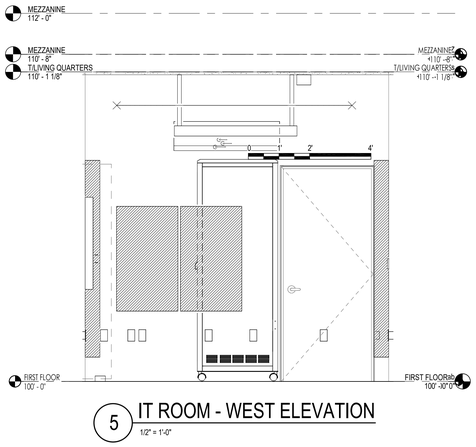
1/2" = 1'-0"

0 1' 2' 4'

N

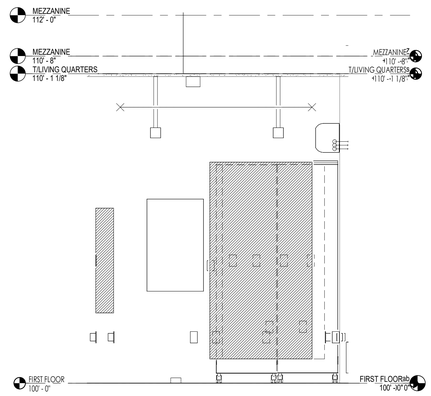
NOTES:

1 **PROVIDE 8' x 4' x 3/4" FIRE RETARDANT PLYWOOD ON ALL WALLS.**
2 **PROVIDE TELECOM GROUND BUS BAR.**
3 **PROVIDE IT CABINETS (24"W x30"D).**
4 **PROVIDE IT ROOM LADDER TRAY.**
5 **VERTICAL CONDUIT 4" A.F.F.**
6 **PROVIDE (2) 4" CONDUIT TO THE PROPERTY LINE FOR SERVING UTILIZES. SEE SITE PLAN FOR EXACT LOCATIONS.**
7 **PROVIDE (2) 2" CONDUIT TO ROOF WITH WEATHER HEAD. SEE EP102.**
8 **PROVIDE (2) 4" CONDUIT FOR SERVICE UTILITIES. SEE SITE PLAN & COORDINATE WITH CIVIL DWGS.**
9 **PROVIDE 208/120V, 3 PHASE PDU. B.O.D APC 8870. SEE SPECS FOR MORE INFORMATION**
10 **PROVIDE NEMA L21-20R RECEPTACLE FOR OIT CABINET. SEE DETAIL 11 ON SHEET E-602.**



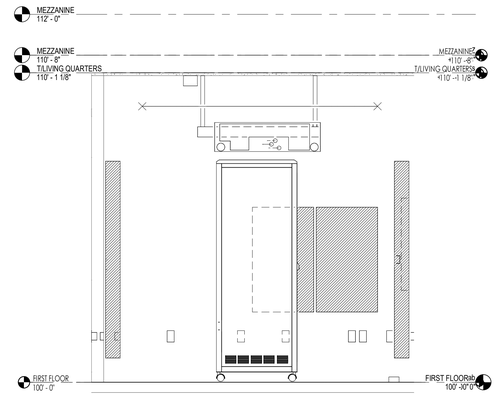
5 IT ROOM - WEST ELEVATION

1/2" = 1'-0"



4 IT ROOM - SOUTH ELEVATION

1/2" = 1'-0"



3 IT ROOM - EAST ELEVATION

1/2" = 1'-0"

0 1' 2' 4'

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6000

05/14/2026 HARRY K. SIMPSON REGISTERED PE19700177 STATE OF INDIANA PROFESSIONAL ENGINEER 25033

CDG PROJECT NUMBER:	25033
DRAWN: GP	CHECKED: BKS
BID & PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

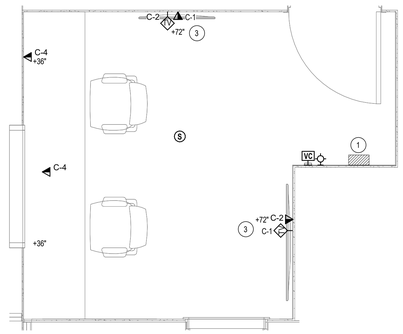
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ENLARGED POWER PLANS

EP601

5/13/2026 2:35:05 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-#SiteNineveh#101_Rev.rvt



2 WATCH ROOM SYSTEMS PLAN

1/2" = 1'-0"

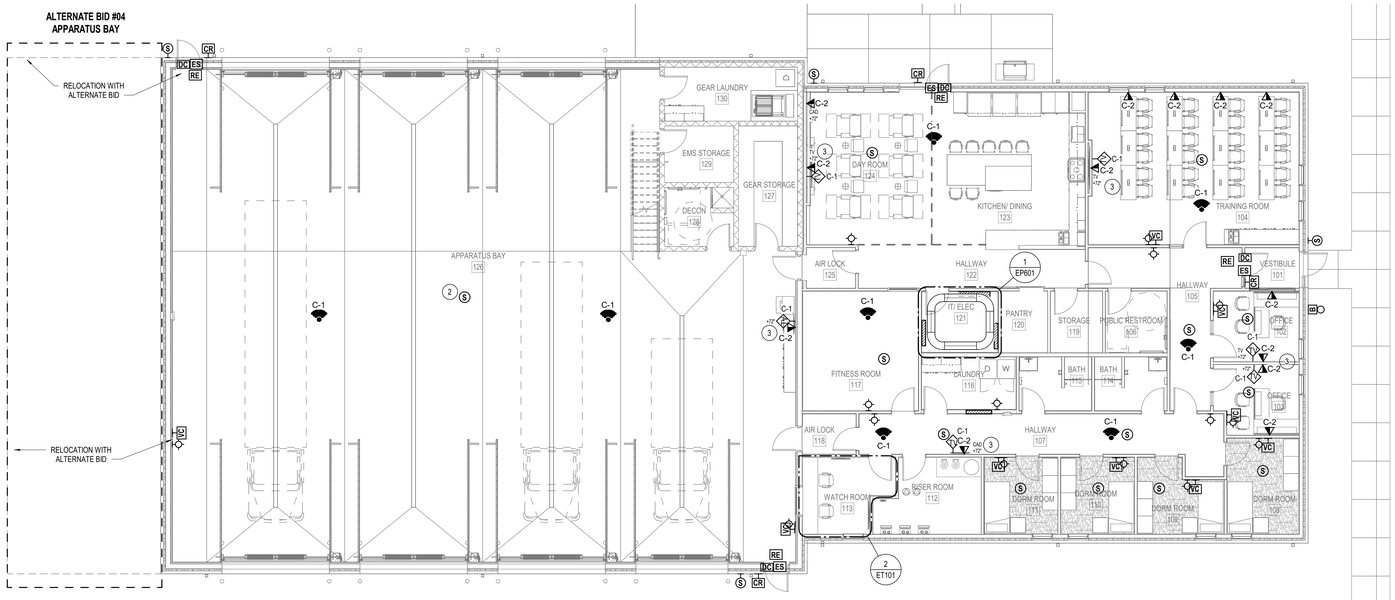
0 1' 2' 4'

GENERAL SHEET NOTES

1. PROVIDE COMMUNICATIONS DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENT, ALL APPLICABLE LOCAL AND STATE CODES, NATIONAL ELECTRICAL CODE AND BICSI STANDARDS.
2. PROVIDE CABLING THAT COMPLIES WITH THE LATEST EDITION OF TELECOMMUNICATIONS DISTRIBUTION METHOD MANUAL AND ANSI/TIA PUBLICATIONS.
3. PROVIDE CABLING THAT COMPLIES WITH THE LATEST GOUNDING AND BONDING REQUIRMENTS FOR TELECOMMUNICATIONS, ANSI/TIA/EIA 758, 607A AND B.
4. COMPLIES WITH TELECOMMUNICATIONS PATHWAYS AND SPACES, ANSI/TIA/EIA 569-E
5. PROVIDE TIA/EIA CAT 6A-4 PR UTP (UNSHIELDED/SHIELDED TWISTED PAIR). CABLE SHALL BE TERMINATED ON RJ-45 JACK AT THE WAO AND ON ANGLED PATCH PANELS IN THE TELECOM ROOM.
6. PROVIDE ALL WORK AREA OUTLETS-WAO WITH CONNECTORS WITH A MINIMUM OF TWO RJ45 AND TWO SEPARATE RUNS OF 4 PR UTP AT EACH LOCATION UNLESS OTHERWISE NOTED.
7. COPPER JACKS SHALL BE CAT 6A RJ45 TYPE-8 POSITION, 8 CONTACT (8P8C).
8. PROVIDE WAP (WAP BY OWNER) WITH RJ45 AND ONE RUN OF 4 PR UTP. PROVIDE 15 FEET OF CABLE SLACK FOR EACH WAP. PROVIDE SURFACE MOUNTED JACK. LABEL LOCATIONS WITH A COLOR DOTS PER SYSTEM.
9. PROVIDE TELECOM ROOMS (TR) CABINETS, SUPPORTS, GROUNDING, GROUND BUS, UPS,PDU'S AND ALL RELATED MATERIAL IN EACH TELECOM ROOM FOR A COMPLETE SYSTEM. COORDINATE WITH THE ELECTRICAL CONTRACTOR.
10. CABLE COLORS SHALL BE AS FOLLOWS:
    - A. Data/computers: Blue with blue jacks.
    - B. SSTV-Cameras: White with white jacks.
    - C. Wi-Fi: Green with green jacks.
    - D. PACS: Gray.
    - E. Cover plate shall be Ivory or White.
    - F. Control: black with black jacks.
    - G. OR AS SELECTED BY THE OWNER
11. ALL CONDUIT SHALL BE RECESSED IN THE CONCRETE BLOCK (CMU) AND CONCRETE WALLS UNLESS OTHERWISE SPECIFIED.
12. LOCUTION SYSTEM AND ALL PA SYSTEM RELATED MATERIALS WILL BE PROVIDED BY THE FIRE DEPARTMENT'S PREFERRED SYSTEM PROVIDER.

SHEET PLAN NOTES

1 REMOTE GENERATOR ANNUNCIATOR. MOUNT 4' AFF.
2 PROVIDE A 360 DEGREE SPEAKER FOR APPARATUS BAY.
3 COORDINATE ALL MONITOR HEIGHTS PRIOR TO INSTALLATION.



1 FIRST FLOOR SYSTEMS PLAN

1/8" = 1'-0"

0 4' 8' 16'

N

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

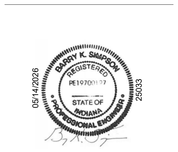
CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6000



CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

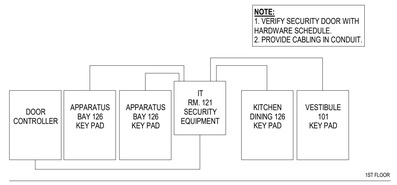
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR SYSTEMS PLAN

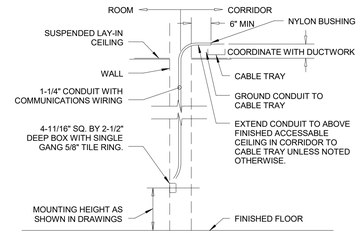
ET101

5/13/2026 2:52:27 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-#26-Nineveh101_Rev.rvt



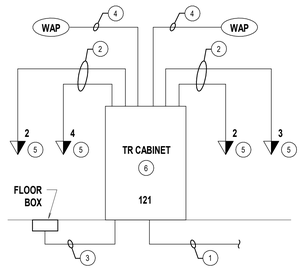
1 PHYSICAL ACCESS CONTROL SYSTEM (PACS) RISER DIAGRAM

1 1/2" = 1'-0"



2 TELECOMMUNICATIONS OUTLET INSTALLATION

NOT TO SCALE

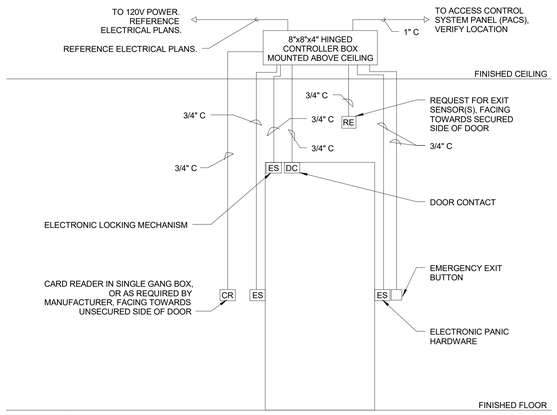


DETAIL NOTES:

1. PROVIDE (2) - 4"C TO PROPERTY LINE SEE SITE PLAN.
2. PROVIDE (2,3 OR 4) CAT 6A TO EACH WORK AREA OUTLET AS SHOWN ON PLANS AND SCHEDULES.
3. PROVIDE (2) CAT 6A TO EACH FLOOR BOX.
4. PROVIDE (2) CAT 6A TO EACH WAP.
5. PROVIDE WORK AREA OUTLET IN 4 11/16" BOX WITH RJ45 JACKS. SEE SPECIFICATIONS FOR MORE INFORMATION.
6. TR RACK/CABINET WITH PATCH PANELS. SEE SPECIFICATIONS FOR MORE INFORMATION.

3 TYPICAL TR LAYOUT & WIRING DETAIL

NOT TO SCALE



DETAIL NOTES:

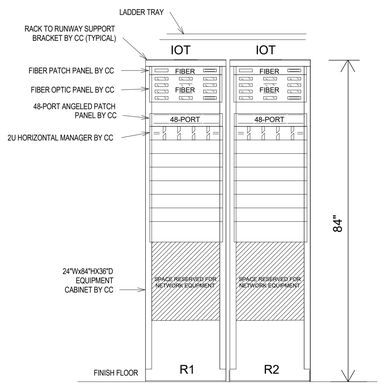
A. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, BOXES, AND SUPPORTS. COORDINATE AND VERIFY LOCATIONS WITH OWNER.

B. PROVIDE CABLING PER MANUFACTURER'S RECOMMENDATION.

C. COORDINATE PER ARCHITECTURAL PLANS & DOOR HARDWARE SCHEDULE. INDICATED AS GENERAL. PROVIDE AS INDICATED ON PLANS

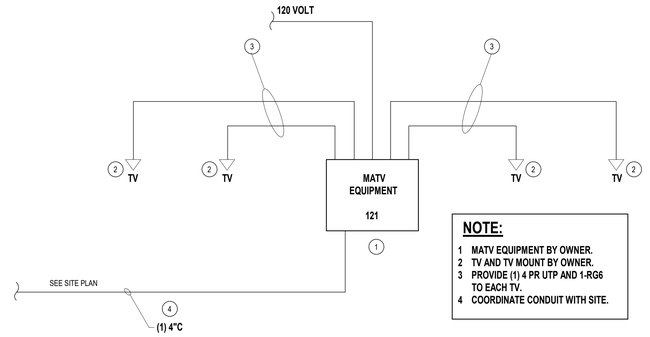
4 SINGLE DOOR CARD ACCESS

NOT TO SCALE



5 TYP. RACKS ELEVATION FRONT

NOT TO SCALE



NOTE:

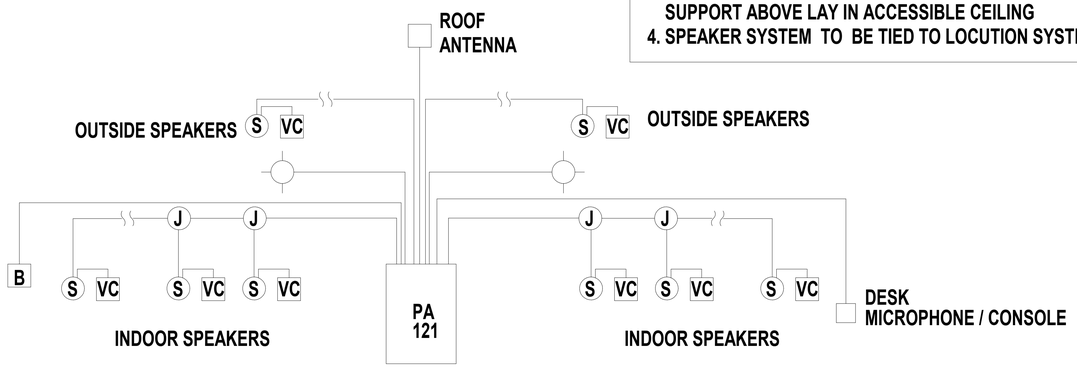
1 MATV EQUIPMENT BY OWNER.
2 TV AND TV MOUNT BY OWNER.
3 PROVIDE (1) 4 PR UTP AND 1-RG6 TO EACH TV.
4 COORDINATE CONDUIT WITH SITE.

6 TYPICAL MATV RISER DIAGRAM

NOT TO SCALE

NOTES:

1. ALL OUTDOOR SPEAKERS SHALL BE ONE ZONE WITH AN ON-OFF.
2. PROVIDE CABLING EMT CONDUIT.
3. OPEN CABLE IS ALLOWED WITH PROPER SUPPORT ABOVE LAY IN ACCESSIBLE CEILING
4. SPEAKER SYSTEM TO BE TIED TO LOCUTION SYSTEM



7 LOCUTION EMERGENCY ALERT SYSTEM

NOT TO SCALE

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

05/14/2026
DANNY K. SMITH
REGISTERED
PE10700172
STATE OF INDIANA
PROFESSIONAL ENGINEER
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

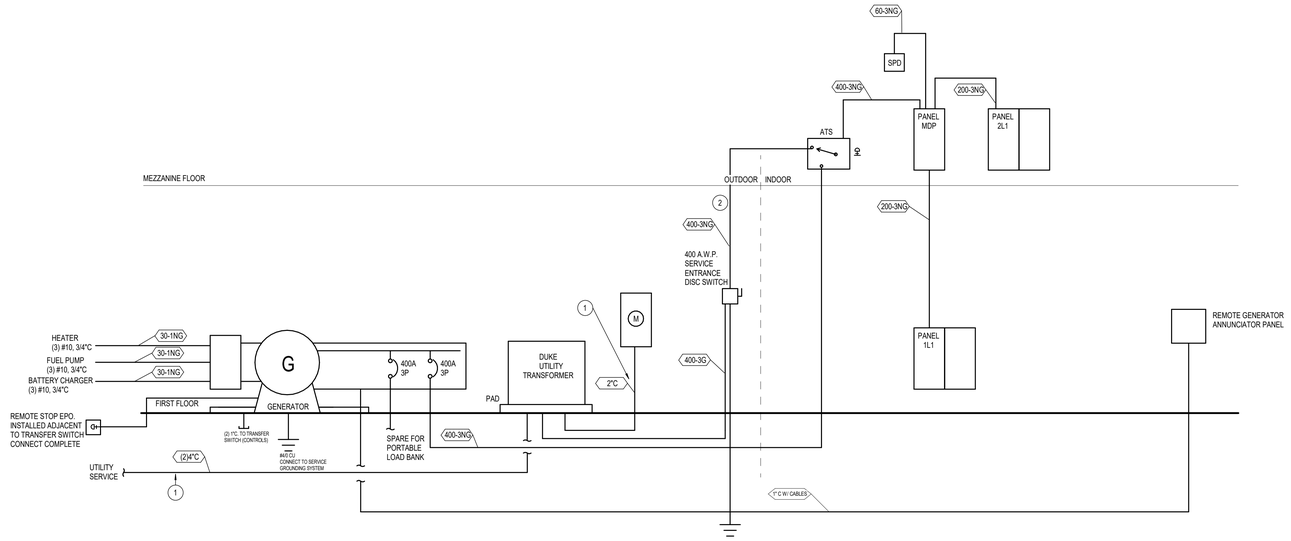
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

SYSTEMS DETAILS

ET601

Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-ENG-NinevehFS101_R24.rvt
5/13/2026 12:23:30 PM



1 ELECTRICAL ONE-LINE
NOT TO SCALE

SHEET PLAN NOTES

1 PRIMARY METERING CABLE SHALL BE BY DUKE ENERGY CONDUIT BY E.C.
2 BUILDING FEED SHALL RUN EXPOSED ON BUILDING. PROVIDE PROPER SUPPORT. PAINT TO MATCH. COORDINATE EXACT LOCATION.

GENERATOR NOTES

MINIMUM RATED CAPACITY:	150 KW	??? SKVA	
BASIS OF DESIGN MANUF:	GENERAC	MODEL: ???	
RATED VOLTAGE:	120/208 V	3-PHASE/ 4 WIRE	
ENCLOSURE RATING: SEE SPECIFICATIONS		FUEL TYPE: DIESEL	
SEE SPECIFICATIONS FOR ADDITIONAL FEATURES			

TRANSFER SWITCH NOTES

TRANSFER SWITCH TYPE:	AUTOMATIC	CURRENT RATING: 400 A	
RATED VOLTAGE:	120/208 V	3-PHASE/ 4 WIRE	# OF POLES: 4
NEUTRAL CONFIGURATION:	SWITCHED	IN-SYNC TRANSFER: Y	
MAIN CIRCUIT BREAKER:	Y	GROUND FAULT ON MAIN:	
SERVICE ENTRANCE RATED:		REMOTE ANNUNCIATION:	N
BY-PASS/ISOLATION: N	NEC LOAD BRANCH: ???	KAIC: ???	
SEE SPECIFICATIONS FOR ADDITIONAL FEATURES			
NEMA RATING:		CYCLE RATING:	

FEEDER SCHEDULE

COPPER FEEDERS AND COPPER GROUND						ALUMINUM FEEDERS AND COPPER GROUND				
NOMINAL MAX OCP AMPS	SETS	CONDUCTOR AMPACITY	PHASE AND NEUTRAL CONDUCTOR SIZE	GROUND CONDUCTOR SIZE (COPPER WIRE)	MINIMUM CONDUIT SIZE	SETS	CONDUCTOR AMPACITY	ALUMINUM WIRE SIZE	GROUND CONDUCTOR SIZE (COPPER WIRE)	MINIMUM CONDUIT SIZE
20-P	1	20A	#12	#12	3/4"					
25-P	1	30A	#10	#10	3/4"					
30-P	1	30A	#10	#10	3/4"					
35-P	1	40A	#8	#10	3/4"					
40-P	1	40A	#8	#10	3/4"					
45-P	1	55A	#6	#10	1-1/4"					
50-P	1	55A	#6	#10	1-1/4"					
60-P	1	70A	#4	#10	1-1/4"					
70-P	1	70A	#4	#8	1-1/4"					
80-P	1	85A	#3	#8	1-1/2"					
90-P	1	85A	#3	#8	1-1/2"					
100-P	1	130A	#1	#8	1-1/2"					
110-P	1	130A	#1	#6	1-1/2"					
125-P	1	130A	#1	#6	1-1/2"	1	120A	#1/0	#6	2"
150-P	1	150A	#1/0	#6	2"	1	135A	#2/0	#6	2"
175-P	1	175A	#2/0	#6	2"	1	155A	#3/0	#6	2"
200-P	1	200A	#3/0	#6	2"	1	180A	#4/0	#6	2-1/2"
225-P	1	230A	#4/0	#4	2-1/2"	1	205A	250 KCMIL	#4	3"
250-P	1	230A	#4/0	#4	2-1/2"	1	250A	350 KCMIL	#4	3"
300-P	1	285A	300 KCMIL	#4	3"	1	270A	400 KCMIL	#4	3"
350-P	1	335A	400 KCMIL	#3	3"	2	310A	#3/0	#3	2-1/2"
400-P	1	380A	500 KCMIL	#3	3-1/2"	2	360A	#4/0	#3	2-1/2"
450-P	2	400A	#3/0	#2	2- 1/2"	2	410A	250 KCMIL	#2	3-1/2"
500-P	2	460A	#4/0	#2	2-1/2"	2	500A	350 KCMIL	#2	3"
600-P	2	570A	300 KCMIL	#1	3"	2	540A	400 KCMIL	#1	3"
700-P	2	760A	500 KCMIL	#1/0	3-1/2"	3	750A	350 KCMIL	#1/0	3"
1000-P	3	1005A	400 KCMIL	#2/0	3"	4	1000A	350 KCMIL	#2/0	3"
1200-P	4	1240A	350 KCMIL	#3/0	3"	4	1240A	500 KCMIL	#3/0	3-1/2"
1600-P	5	1675A	400 KCMIL	#4/0	3"	5	1925A	750 KCMIL	#4/0	4"
2000-P	6	2010A	400 KCMIL	250 KCMIL	3"	6	2310A	750 KCMIL	250 KCMIL	4"
2500-P	7	2660A	500 KCMIL	350 KCMIL	3-1/2"	7	2695A	750 KCMIL	500 KCMIL	4"
3000-P	8	3040A	500 KCMIL	400 KCMIL	3-1/2"	8	3080A	750 KCMIL	400 KCMIL	4"
4000-P	10	4200A	600 KCMIL	500 KCMIL	4"	NOT PERMITTED				

NOTES:
1. CONDUCTOR AMPACITIES BASED ON THERMOPLASTIC INSULATION TYPE RATED 600 VOLTS, 75 DEGREE C IN 30 DEGREE C AMBIENT.
2. CONDUCTOR SIZES ARE MINIMUM. CONDUCTORS OVER 100 FEET IN LENGTH ARE TO BE INCREASED IN SIZE AS NECESSARY TO LIMIT VOLTAGE DROP TO 3% OR LESS.
3. EQUIPMENT GROUNDING CONDUCTOR WIRE TO BE PROVIDED IN EACH CONDUIT EXCEPT UTILITY SECONDARY SERVICE ENTRANCE FEEDERS. COORDINATE UTILITY FEEDER REQUIREMENTS WITH UTILITY.
4. DO NOT USE THIS SCHEDULE FOR SCHEDULE 80 PVC OR ENT (WHEN PERMITTED BY SPECIFICATIONS). REFER TO NEC CHAPTER 9.
5. SEE SPECIFICATIONS FOR LIMITATIONS AND REQUIREMENTS ON USE OF ALUMINUM CONDUCTORS.
6. FEEDER TAG KEY: EXAMPLE: "300-3N/G*"
   "300" = 300 AMP FEEDER REPRESENTED BY 300-# IN SCHEDULE.
   "3" = NUMBER OF PHASE CONDUCTORS.
   "N" = REQUIRES NEUTRAL GROUNDED CONDUCTOR IN ADDITION TO PHASE CONDUCTORS.
   "G" = REQUIRES EQUIPMENT COPPER GROUNDING CONDUCTOR.
   "*" = FEEDER UPSIZED TO ACCOUNT FOR VOLTAGE DROP.

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

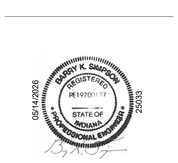
CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-951-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4000



CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ELECTRICAL ONE-LINE DIAGRAM

E-401

Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-FSK-Nineveh#101_Rev.rvt
5/13/2026 12:30:44 PM

LUMINAIRE SCHEDULE

TYPE	BASE MANUFACTURER	EQUAL MANUFACTURER	LAMP TYPE	WATTAGE	VOLTAGE	CCT	LUMENS	MOUNT	LOCATION(S)	DESCRIPTION
L1	LITHONIA: CLX-L96-14000LM-SEF-WDL MVOLT-GZ10-35K-80CRI-WH	LUX DYNAMICS: BASELINE, METALUX: MICROBAY	LED	90W	MVOLT	3500K	14000LM	SUSPENDED	APPARATUS BAY	8'-0" SUSPENDED STRIP LIGHT WITH WIDE DIFFUSE LENS.
L1E	LITHONIA: CLX-L96-14000LM-SEF-WDL MVOLT-GZ10-35K-80CRI-E10W-WH	LUX DYNAMICS: BASELINE, METALUX: MICROBAY	LED	90W	MVOLT	3500K	14000LM	SUSPENDED	APPARATUS BAY	8'-0" SUSPENDED STRIP LIGHT WITH WIDE DIFFUSE LENS AND EMERGENCY BATTERY BACKUP.
L2	LITHONIA: CSS-L48-4000LM-MVOLT-MIN10-ZT-35K-80CRI	COLUMBIA, METALUX, HEW	LED	40W	MVOLT	3500K	4000LM	SUSPENDED	IT/ELEC/RISER	4'-0" SUSPENDED STRIP LIGHT. HUNG WIITH AIR CRAFT CABLE.
L2E	LITHONIA: CSS-L48-4000LM-MVOLT-MIN10-ZT-35K-80CRI-E10W	COLUMBIA, METALUX, HEW	LED	40W	MVOLT	3500K	4000LM	SUSPENDED	IT/ELEC/RISER	4'-0" SUSPENDED STRIP LIGHT WITH EMERGENCY BATTERY. HUNG WIITH AIR CRAFT CABLE.
L3	LITHONIA: CPX-2X4-3000LM-80CRI-35K-SWL-MIN10-ZT-MVOLT	COLUMBIA: CBT	LED	30W	MVOLT	3500K	3000LM	RECESSED	GENERAL	2X4 FLAT PANEL WITH SATIN WHITE LENS. 0-10V DIMMING TO 10%.
L4	ALUZ: A8-ZUDA-RCD-F-4.5W-DALI-30K-DRY-X-X	OMNILIGHT: GEN2-30-SHO-CC@XX-OCH-DCF	LED	4.5W/FT	120V	3000K	130LM/FT	RECESSED	KITCHEN	LED TAPE LIGHT RECESSED,100% FROSTED, 120 DEGREE WITH POWER SUPPLY AND ALL COMPONENTS.
L5	OCL: EU1-X-X-14-WG-X-LED1/35K-UNV-48-DM1	PRE-BID APPROVED EQUAL	LED	14W	120V	3000K	1080LM	PENDANT	KITCHEN	14" ROUND PENDANT. STRUCTURALLY SUPPORT FIXTURE.
L6	MARK: SL4L-LOP-4FT-FLP-TG-80CRI-35K-1000LMF-MIN10-120	STARTEK	LED	40W	MVOLT	3500K	4,000LM	RECESSED	GENERAL	4'-0" RECESSED LINEAR FIXTURE.
L6E	MARK: SL4L-LOP-4FT-FLP-TG-80CRI-35K-1000LMF-MIN10-120-E 10WLCP	STARTEK	LED	40W	MVOLT	3500K	4,000LM	RECESSED	GENERAL	4'-0" RECESSED LINEAR FIXTURE WITH EMERGENCY BATTERY BACKUP.
L7	DAINOLITE: DLEDW-263-MB	KUZC, WAC, MODERN FORMS: BL-46305-5", SOLAVANTI CANTON 738	LED	4W	MVOLT	3000K	250LM	WALL	DORM	HARDWIRED READING LIGHT WITH ADJUSTABLE ARM AND INTEGRAL ON/OFF SWITCH.
L8	LITHONIA: LDN6	PORTFOLIO: LDS6, WILLIAMS: 6DR, ALPHABET: NU6	LED	18W	MVOLT	3500K	2100LM	RECESSED	GENERAL	6" RECESSED DOWNLIGHT WITH WIDE DISTRUTION AND 0-10V DIMMING. TRIM AND BEZEL COLOR SELECTED BY ARCHITECT.
L8E	LITHONIA: LDN6	PORTFOLIO: LDS6, WILLIAMS: 6DR, ALPHABET: NU6	LED	18W	MVOLT	3500K	2095LM	RECESSED	GENERAL	SAME AS TYPE L3 WITH EMERGENCY BATTERY.
L9	LITHONIA: LDN6	PORTFOLIO: LDS6, WILLIAMS: 6DR, ALPHABET: NU6	LED	15W	MVOLT	3500K	1363LM	RECESSED	GENERAL	6" RECESSED DOWNLIGHT WITH WIDE DISTRUTION.TRIM AND BEZEL COLOR SELECTED BY ARCHITECT.
L9E	LITHONIA: LDN6	PORTFOLIO: LDS6, WILLIAMS: 6DR, ALPHABET: NU6	LED	15W	MVOLT	3500K	1363LM	RECESSED	GENERAL	SAME AS TYPE L4 WITH EMERGENCY BATTERY.
L10	LITHONIA: LDN6	PORTFOLIO, HEW, ALPHABET	LED	10W	MVOLT	3500K	700LM	RECESSED	SHOWER	6" RECESSED DOWNLIGHT RATED FOR SHOWER APPLICATION.
L11	LUMINCIA: LLFL5524	PRE-BID APPROVED EQUAL	LED	18W	120V	3500K	1500LM	WALL	RESTROOM	24" VANITY LIGHT ABOVE MIRROR WITH 0-10V DIMMING. ARCHITECT TO SELECT FINISH.
S1	HYDREL: SAF7-LED-P1-80CRI-30K-MVOLT-15Vx60H-CWL-KM-CPM	PRE-BID APPROVED EQUAL	LED	33W	MVOLT	3000K	2951LM	CONCRETE BASE	EXTERIOR	BUILDING SIGN FLOOD LIGHT WITH KNUCKLE ON ON CONCRETE BASE AND PEDESTAL MOUNT. FINISH BY ARCHITECT. SEE DETAIL SHEET E-602.
S2	HYDREL: SAF7-LED-P3-80CRI-30K-MVOLT-20DEG-CWL-KM-CPM	PRE-BID APPROVED EQUAL	LED	58W	MVOLT	3000K	4405LM	CONCRETE BASE	EXTERIOR	FLAGPOLE FLOOD LIGHT WITH KNUCKLE ON ON CONCRETE BASE AND PEDESTAL MOUNT. FINISH BY ARCHITECT. SEE DETAIL SHEET E-602.
SL1	LITHONIA: DSX1 LED P2-30K-70CRI-T4M MVOLT-RPA-HS-DBLXD-DLL127F	BEACON; HEW	LED	68W	120V	3000K	8200LM	20' POLE	SITE	SINGLE HEAD LED PARKING LIGHT FIXURE TYPE T4M DISTRIBUTION WITH HOUSE SHIELD, PHOTOCELL. DARK SKY COMPLIANT. PROVIDE 20FT ROUND TAPERED ALUMINUM POLE WITH 30" TALL CONCRETE BASE. FINISH BY ARCHITECT.
SL2	LITHONIA: DSX1 LED P2-30K-70CRI-T4M MVOLT-RPA-DBLXD-DLL127F	BEACON; HEW	LED	68W	120V	3000K	9500LM	20' POLE	SITE	SINGLE HEAD LED PARKING LIGHT FIXURE TYPE T4M DISTRIBUTION, PHOTOCELL, DARK SKY COMPLIANT. PROVIDE 20FT ROUND TAPERED ALUMINUM POLE WITH 30" TALL CONCRETE BASE. FINISH BY ARCHITECT.
SL3	LITHONIA: DSX1 LED P2-30K-70CRI-T3M MVOLT-RPA-HS-DBLXD-DLL127F	BEACON; HEW	LED	68W	120V	3000K	8200LM	20' POLE	SITE	SINGLE HEAD LED PARKING LIGHT FIXURE TYPE T3M DISTRIBUTION WITH HOUSE SHIELD, PHOTOCELL, DARK SKY COMPLIANT. PROVIDE 20FT ROUND TAPERED ALUMINUM POLE WITH 30" TALL CONCRETE BASE. FINISH BY ARCHITECT.
W1	LITHONIA: WDGE2-LED-P2-30K 80CRI-T3M MVOLT-SRM-PE-DBLXD	BEACON RWL, WILLIAMS: VWM	LED	15W	MVOLT	3000K	2160LM	WALL	EXTERIOR	WALL PACK WITH T3M DISTRIBUTION AND INTEGRAL PHOTO CONTROL.
W1E	SAME AS W1 WITH EMERGENCY BATTERY	BEACON RWL, WILLIAMS: VWM	LED	15W	MVOLT	3000K	2160LM	WALL	EXTERIOR	SAME AS TYPE W1 WITH EMERGENCY BATTERY.
W2	LITHONIA: WDGE2-LED-P2-30K-80CRI-T4M MVOLT-SRM-PE-DBLXD	BEACON RWL, WILLIAMS: VWM	LED	15W	MVOLT	3000K	2114LM	WALL	EXTERIOR	WALL PACK WITH T4M DISTRIBUTION AND INTEGRAL PHOTO CONTROL.
W2E	SAME AS W2 WITH EMERGENCY BATTERY	BEACON RWL, WILLIAMS: VWM	LED	15W	MVOLT	3000K	2114LM	WALL	EXTERIOR	SAME AS TYPE W2 WITH EMERGENCY BATTERY.
X1	COMPASS:CERG	LITHONIA: LQM, SURELITES: APX	LED	2W	120	-	-	WALL	EGRESS	WHITE THERMOPLASTIC LED EXIT SIGN WITH NICAD BATTERY. UNIVERSAL FACE, COLOR PER ARCHITECT, SINGLE OR DUAL FACE AS PLANS INDICATE.
X2	COMPASS:CERG	LITHONIA: LQM, SURELITES: APX	LED	2W	120	-	-	CEILING	EGRESS	WHITE THERMOPLASTIC LED EXIT SIGN WITH NICAD BATTERY. UNIVERSAL FACE, COLOR PER ARCHITECT, SINGLE OR DUAL FACE AS PLANS INDICATE.

LUMINAIRE SCHEDULE NOTES:

1. LIGHTING FIXTURES LISTED AS EQUAL MANUFACTURERS MUST HAVE COMPONENTS, PERFORMANCE, AESTHETICS, FABRICATION AND CONSTRUCTION EQUAL TO OR EXCEEDING BASE BID MANUFACTURER.
2. MANUFACTURER TO PROVIDE ALL NECESSARY POWER SUPPLIES, CONNECTORS, MOUNTING ACCESSORIES AND COMPONENTS FOR NORMAL AND EMERGENCY FUNCTION.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
4. CONTRACTOR TO ISSUE AN RFI FOR CLARIFICATION IF LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS DO NOT ALIGN.
5. REFER TO SPECIFICATIONS FOR ATTIC STOCK QUANTITIES.

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Barrientes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

CDG PROJECT NUMBER: 25033
DRAWN: KCM CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

LIGHTING SCHEDULE

E-501

5/13/2026 12:30:50 PM Autodesk Docs://25033 - Nineveh Fire FD Station 101/25033-E06-Nineveh101_Rev.rvt

MOTORIZED EQUIPMENT SCHEDULE

NAME	KW/HP	AMPS	VOLTS	PHASE	STARTER DATA				DISCONNECT SWITCH			CONTROLS		FEEDER	COMMENTS
					TYPE	NEMA ENCL	CONTROLS	BY	TYPE	NEMA ENCL	BY	TYPE	BY		
ACCU-1	2.1 KW	12.1	208	1					F	3R	E.C.		M.C.	20A-2G	
ACCU-2	1.8 KW	10.8	208	1					F	3R	E.C.		M.C.	20A-2G	
ACCU-3	1.8 KW	10.8	208	1					F	3R	E.C.		M.C.	20A-2G	
ACCU-4	1.8 KW	10.8	208	1					F	3R	E.C.		M.C.	20A-2G	
CF-1	29 W	-	120	1							MFG		M.C.	20A-1NG	3
DBF-1	50 W	0.5	120	1					NF	1	E.C.		M.C.	20A-1NG	
DOAS-1	10 KW	33.9	208	3					F	3R	E.C.		M.C.	45A-3G	
EF-1	1/15 HP	2.2	120	1	CM	1		E.C.		1	M.C.		M.C.	20A-1NG	
EF-2	1 HP	16	120	1	CM	1		E.C.		1	M.C.		M.C.	30A-1NG	
EF-3	1/15 HP	2.2	120	1	CM	1		E.C.		1	M.C.		M.C.	20A-1NG	
EUH-1	3.016 KW	14.5	208	1							MFG		M.C.	20A-2G	
EUH-2	3.016 KW	14.5	208	1							MFG		M.C.	20A-2G	
EUH-3	3.016 KW	14.5	208	1							MFG		M.C.	20A-2G	
EWH-1	1/100 HP	12.5	120	1							MFG		M.C.	20A-1NG	
F-1	600 W	6.5	120	1	MSS	1					MFG		M.C.	20A-1NG	1
F-2	600 W	6.5	120	1	MSS	1					MFG		M.C.	20A-1NG	1
F-3	600 W	6.5	120	1	MSS	1					MFG		M.C.	20A-1NG	1
F-4	600 W	6.5	120	1	MSS	1					MFG		M.C.	20A-1NG	1
GEAR EXTRACTOR	5 HP	17.5	208	3					NF	1	E.C.		M.C.	35-3G	4
GUH-1	500 W	3.8	120	1	MSS	1		E.C.			MFG		M.C.	20A-1NG	
GUH-2	500 W	3.8	120	1	MSS	1		E.C.			MFG		M.C.	20A-1NG	
GUH-3	200 W	1.9	120	1	MSS	1		E.C.			MFG		M.C.	20A-1NG	
HVLS-1	1/4 HP	5	120	1					PB	1	M.C.	F	MFG	20A-2G	
HVLS-2	1/4 HP	5	120	1					PB	1	M.C.	F	MFG	20A-2G	
HWRP-1	270 W	-	120	1				P.C.			P.C.		P.C.	20A-1NG	
HWRP-2	270 W	-	120	1				P.C.			P.C.		P.C.	20A-1NG	
KH-1	0.167 HP	3.3	120	1							MFG		MFG	20A-1NG	
MS-1	4.7 KW	23	208	1					F	3R	MFG		M.C.	25A-2G	2
MS-2	3.1 KW	15	208	1					F	3R	MFG		M.C.	20A-2G	2
MS-3	3.1 KW	15	208	1					F	3R	MFG		M.C.	20A-2G	2
RH-1	312 W	2.6	120	1					NF	1	E.C.		M.C.	20A-1NG	
RH-2	312 W	2.6	120	1					NF	1	E.C.		M.C.	20A-1NG	
RH-3	312 W	2.6	120	1					NF	1	E.C.		M.C.	20A-1NG	
RH-4	312 W	2.6	120	1					NF	1	E.C.		M.C.	20A-1NG	
RH-5	312 W	2.6	120	1					NF	1	E.C.		M.C.	20A-1NG	
VEF-1	7.5 HP	19.7	208	3					NF	1	MFG		M.C.	50A-3G	

COMMENTS:
1. SINGLE-POINT DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER AND INSTALLED BY EC. PROVIDE FIELD FABRICATED STEEL SUPPORT STAND
2. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
3. MANUFACTURER PROVIDED WALL MOUNT REMOTE CONTROL.
4. EQUIPMENT PROVIDED BY OWNER.

AS	AQUA SWITCH
AUX	AUXILIARY CONTACTS
CB	CIRCUIT BREAKER
CM	COMBINATION MAGNETIC
CP	CONTROL PACKAGE
EP	ELECTRIP/NEUMATIC SWITCH
ES	END SWITCH
F	FUSED
FL	FLOW SWITCH
FS	FREEZE STAT
HD	HEAT DETECTOR
HOA	HAND/OFF/AUTO SWITCH
HS	HUMIDISTAT
INT	INTERLOCKED TO
LL	LEAD-LAG SWITCH
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MF	MANFACTURER
DS	DOOR SWITCH
MSS	MANUAL MOTOR STARTER
NA	NOT APPLICABLE
NF	NON-FUSED
PB	PUSH BUTTON
PE	PNEUMATIC/ELECTRIC SWITCH
PL	PILOT LIGHT
PS	PUMP SEQUENCER
PEV	REVERSING
SD	SMOKE DETECTOR
SO	SOLENOID VALVE
SS	START/STOP PUSH BUTTON
T	CONTROL CIRC TRANS (120V)
TC	TIME CLOCK
TS	THERMOSTAT
2S	TWO SPEED
VFD	VARIABLE FREQUENCY DRIVE

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6000

BARRY K. SIMPSON
REGISTERED
PE19700177
STATE OF
INDIANA
PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS
DESCRIPTION DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

MOTORIZED EQUIPMENT SCHEDULE

E-502

5/13/2026 2:26:55 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-#26-Nineveh#101_Rev.rvt

PANEL: MDP

LOCATION: MECHANICAL 201
SUPPLY FROM:
MOUNTING: Surface
NEMA RATING: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65,000
MAINS TYPE: MCB
MAINS... 400 A
MCB RATING: 400 A FULLY RATED

KEY	CIRCUIT NUMB...	LOAD NAME	RATING	NUMBER OF POLES	A	B	C	NUMBER OF POLES	RATING	LOAD NAME	CIRCUIT NUMB...	KEY
	1	1L1	200 A	3	17176 / 30488			3	200 A	2L1	2	
	3	--	--	--		16906 / 31019		--	--	--	4	
	5	--	--	--			21298 / 22418	--	--	--	6	
	7	SPARE	100 A	3	0 / 0			3	100 A	SPARE	8	
	9	--	--	--		0 / 0		--	--	--	10	
	11	--	--	--			0 / 0	--	--	--	12	
	13	SPARE	100 A	3	0 / 0			3	--	SPACE	14	
	15	--	--	--		0 / 0		--	--	--	16	
	17	--	--	--			0 / 0	--	--	--	18	
	19	SPACE	--	3	0 / 0			3	60 A	SPD	20	
	21	--	--	--		0 / 0		--	--	--	22	
	23	--	--	--			0 / 0	--	--	--	24	
				TOTAL LOAD:	47650 VA	47925 VA	43716 VA					
				TOTAL AMPS:	402 A	404 A	364 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	12000 VA	65.00%	7800 VA		
Lighting	3414 VA	100.00%	3414 VA	**TOTAL CONN. LOAD:**	139286 VA
Motor	8772 VA	100.00%	8772 VA	**TOTAL EST. DEMAND:**	106643 VA
Other	834 VA	100.00%	834 VA	**TOTAL CONN. CURRNET:**	387 A
Power	32826 VA	100.00%	32826 VA	**TOTAL EST. DEMAND...**	296 A
Receptacle	32660 VA	65.31%	21330 VA		
Cooling	22200 VA	65.00%	14430 VA		
Heating	18075 VA	65.00%	11749 VA		
Kitchen Equipment - Non-Dwelling Unit	8622 VA	65.00%	5604 VA		
L	10 VA	100.00%	10 VA		

CIRCUIT KEY NOTES:

PANEL: 1L1

LOCATION: HALLWAY 107
SUPPLY FROM: MDP
MOUNTING: Recessed
NEMA RATING: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 42,000
MAINS TYPE: MLO
MAINS... 200 A
MCB RATING:

KEY	CIRCUIT NUMB...	LOAD NAME	RATING	NUMBER OF POLES	A	B	C	NUMBER OF POLES	RATING	LOAD NAME	CIRCUIT NUMB...	KEY
	1	KITCHEN ISLAND REC	20 A	1	360 / 1080			1	20 A	APP BAY REC	2	
	3	KH-1 123	20 A	1		200 / 720		1	20 A	DAY RM REC	4	
	5	DAY RM REC	20 A	1			720 / 3000	1	20 A	CORD REEL	6	
	7	CORRIDOR REC	20 A	1	1080 / 1080			1	20 A	APP BAY REC	8	
	9	EMS/GEAR STRG REC	20 A	1		900 / 1440		1	20 A	DORM REC	10	
	11	WASHER	20 A	1			1344 / 1200	1	20 A	IT ROOM REC	12	
	13	SINK DISPOSAL	20 A	1	180 / 1344			1	20 A	ICE MAKER	14	
	15	SINK DISPOSAL	20 A	1		600 / 1200		1	20 A	IT ROOM REC	16	
	17	FRIDGE	20 A	1			1344 / 1200	1	20 A	COFFEE MAKER	18	
	19	FRIDGE	20 A	1	1344 / 800			1	20 A	CAMERA EQUIPMENT	20	
	21	FRIDGE	20 A	1		1344 / 1200		1	20 A	COFFEE MAKER	22	
	23	OI-1 PANEL	20 A	1			500 / 540	1	20 A	TRAINING RM REC	24	
	25	GDS PANEL	20 A	1	500 / 720			1	20 A	LAUNDRY/BATH RM REC	26	
	27	HVLS CONTROLS	20 A	1		500 / 720		1	20 A	MEZZ REC	28	
	29	KITCHEN REC	20 A	1			540 / 540	1	20 A	WATCH RM REC	30	
	31	FITNESS RM REC	20 A	1	720 / 900			1	20 A	RISER RM REC	32	
	33	IT ROOM REC	20 A	1		720 / 540		1	20 A	TRAINING RM REC	34	
	35	PANTRY/STORAGE REC	20 A	1			900 / 1080	1	20 A	OUTDOORGEN REC	36	
	37	APP BAY REC	20 A	1	540 / 1080			1	20 A	GEN REC OUTDOOR	38	
	39	OWNER'S EQUIPMENT	20 A	1		1200 / 1080		1	20 A	OFFICE GEN REC	40	
	41	SECURITY RACK	20 A	1			1200 / 1440	1	20 A	GEAR STORAGE REC	42	
	43	DISHWASHER	20 A	1	600 / 1200			1	20 A	MATV	44	
	45	EXT WALL PACK LIGHTING	20 A	1		412 / 0		1	20 A	SPARE	46	
	47	CORRIDOR REC	20 A	1			1080 / 720	1	20 A	WATCH RM REC	48	
	49	IT RACK	20 A	3	400 / 0			1	20 A	SPARE	50	
	51	--	--	--		400 / 0		1	20 A	SPARE	52	
	53	--	--	--			400 / 180	1	20 A	RANGE	54	
	55	INTERIOR LIGHTING	20 A	1	758 / 625			1	20 A	SITE LIGHTING	56	
	57	LOCUTION SYSTEM	20 A	1		1200 / 1200		1	20 A	LOCUTION SYSTEM	58	
	59	LOCUTION SYSTEM	20 A	1			1380 / 1200	1	20 A	LOCUTION SYSTEM	60	
*	61	FACP	20 A	1	500 / 652			1	20 A	INTERIOR LIGHTING	62	
	63	TRAINING ROOM	20 A	1		360 / 250		3	20 A	GATE POWER	64	
	65	TRAINING ROOM	20 A	1			360 / 250	--	--	--	66	
	67	TRAINING ROOM	20 A	1	360 / 250			--	--	--	68	
	69	TRAINING ROOM	20 A	1		360 / 0		1	20 A	SPARE	70	
	71	MICROWAVE	20 A	1			180 / 0	1	20 A	SPARE	72	
	73	UNDERCOUNTER REFRIG.	20 A	1	450 / 0			1	20 A	SPARE	74	
	75	APP BAY RECEPTACLES	20 A	1		360 / 0		1	20 A	SPARE	76	
	77	SPARE	20 A	1			0 / 0	1	20 A	SPARE	78	
	79	SPARE	20 A	1	0 / 0			1	20 A	SPARE	80	
	81	SPARE	20 A	1		0 / 0		1	20 A	SPARE	82	
	83	SPARE	20 A	1			0 / 0	1	20 A	SPARE	84	
				TOTAL LOAD:	17176 VA	16906 VA	21298 VA					
				TOTAL AMPS:	143 A	141 A	178 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	200 VA	65.00%	130 VA		
Lighting	1542 VA	100.00%	1542 VA	**TOTAL CONN. LOAD:**	55364 VA
Other	816 VA	100.00%	816 VA	**TOTAL EST. DEMAND:**	40949 VA
Power	11798 VA	100.00%	11798 VA	**TOTAL CONN. CURRNET:**	154 A
Receptacle	32660 VA	65.31%	21330 VA	**TOTAL EST. DEMAND...**	114 A
Kitchen Equipment - Non-Dwelling Unit	8622 VA	65.00%	5604 VA		
L	6 VA	100.00%	6 VA		

CIRCUIT KEY NOTES:
*PROVIDE RED CIRCUIT BREAKER WITH A LOCK FOR FIRE ALARM PANEL.

PANEL: 2L1

LOCATION: MECHANICAL 201
SUPPLY FROM: MDP
MOUNTING: Surface
NEMA RATING: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 42,000
MAINS TYPE: MLO
MAINS... 200 A
MCB RATING:

KEY	CIRCUIT NUMB...	LOAD NAME	RATING	NUMBER OF POLES	A	B	C	NUMBER OF POLES	RATING	LOAD NAME	CIRCUIT NUMB...	KEY
	1	BATTERY CHARGER	30 A	1	800 / 900			2	20 A	ACCU-2	2	
	3	CF-1 (117)	20 A	1		500 / 900		--	--	--	4	
	5	OI-1 (126)	20 A	1			500 / 1000	1	30 A	FUEL PUMP	6	*
	7	ACCU-1	20 A	2	1050 / 900			2	20 A	ACCU-3	8	
	9	--	--	--		1050 / 900		--	--	--	10	
	11	RH-1, 2,3 (126)	20 A	1			936 / 200	1	20 A	GUH-3 (201)	12	
	13	ACCU-4	20 A	2	900 / 2350			2	25 A	MS-1	14	
	15	--	--	--		900 / 2350		--	--	--	16	
	17	EF-2 (126)	30 A	1			200 / 1200	1	20 A	F-1, F-2 (201)	18	
	19	RH-4,5 (126)	20 A	1	624 / 500			1	20 A	GUH-2 (126)	20	
	21	HEATER	30 A	1		500 / 250		1	20 A	EF-1 (130)	22	
	23	HWRP-2 (112)	20 A	1			270 / 1200	1	20 A	LIGHT POLE REC	24	
	25	EWH-1	20 A	1	115 / 1550			2	20 A	MS-2	26	
	27	GUH-1 (126)	20 A	1		200 / 1550		--	--	--	28	
	29	F-3, F-4 (201)	20 A	1			1200 / 1200	1	20 A	HVLS-1,2 (126)	30	
	31	DOAS-1	50 A	3	3333 / 200			1	20 A	EF-3 (105)	32	
	33	--	--	--		3333 / 270		1	20 A	HWRP-1 (112)	34	
	35	--	--	--			3333 / 0	1	20 A	SPARE	36	
	37	MS-3	20 A	2	1550 / 1550			2	20 A	EUH-3 (112)	38	
	39	--	--	--		1550 / 1550		--	--	--	40	
	41	APPARATUS BAY LIGHTING	20 A	1			1204 / 1176	1	20 A	OVERHEAD DOOR (126)	42	
	43	OVERHEAD DOOR (126)	20 A	1	1176 / 1176			1	20 A	OVERHEAD DOOR (126)	44	
	45	OVERHEAD DOOR (126)	20 A	1		1176 / 1176		1	20 A	OVERHEAD DOOR (126)	46	
	47	OVERHEAD DOOR (126)	20 A	1			1176 / 1176	1	20 A	OVERHEAD DOOR (126)	48	
	49	EUH-1 (127)	20 A	2	1550 / 500			1	20 A	GFI GENERATOR BREAKER	50	
	51	--	--	--		1550 / 1550		2	20 A	EUH-2	52	
	53	DBF-1 (107)	20 A	1			50 / 1550	--	--	--	54	
	55	LAUNDRY DRYER (116)	30 A	2	2882 / 1667			3	35 A	GEAR EXTRACTOR (130)	56	
	57	--	--	--		2882 / 1667		--	--	--	58	
	59	APPARATUS BAY AREA	20 A	1			847 / 1667	--	--	--	60	
	61	VEF-1 (126)	50 A	3	2333 / 2882			2	30 A	GEAR LAUNDRY DRYER (130)	62	
	63	--	--	--		2333 / 2882		--	--	--	64	
	65	--	--	--			2333 / 0	1	20 A	SPARE	66	
	67	SPARE	20 A	1	0 / 0			1	20 A	SPARE	68	
	69	SPARE	20 A	1		0 / 0		1	20 A	SPARE	70	
	71	SPARE	20 A	1			0 / 0	1	20 A	SPARE	72	
	73	SPARE	20 A	1	0 / 0			1	20 A	SPARE	74	
	75	SPARE	20 A	1		0 / 0		1	20 A	SPARE	76	
	77	SPARE	20 A	1			0 / 0	1	20 A	SPARE	78	
	79	SPARE	20 A	1	0 / 0			1	20 A	SPARE	80	
	81	SPARE	20 A	1		0 / 0		1	20 A	SPARE	82	
	83	SPARE	20 A	1			0 / 0	1	20 A	SPARE	84	
				TOTAL LOAD:	30488 VA	31019 VA	22418 VA					
				TOTAL AMPS:	264 A	269 A	187 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	11800 VA	65.00%	7670 VA		
Lighting	2029 VA	100.00%	2029 VA	**TOTAL CONN. LOAD:**	83926 VA
Motor	8772 VA	100.00%	8772 VA	**TOTAL EST. DEMAND:**	65699 VA
Other	18 VA	100.00%	18 VA	**TOTAL CONN. CURRNET:**	233 A
Power	21028 VA	100.00%	21028 VA	**TOTAL EST. DEMAND...**	182 A
Cooling	22200 VA	65.00%	14430 VA		
Heating	18075 VA	65.00%	11749 VA		
L	4 VA	100.00%	4 VA		

CIRCUIT KEY NOTES:
*PROVIDE GFCI CIRCUIT BREAKER FOR FUEL PUMP

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-951-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.4200

DANNY K. SIMPSON
REGISTERED
PE19700117
STATE OF INDIANA
PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

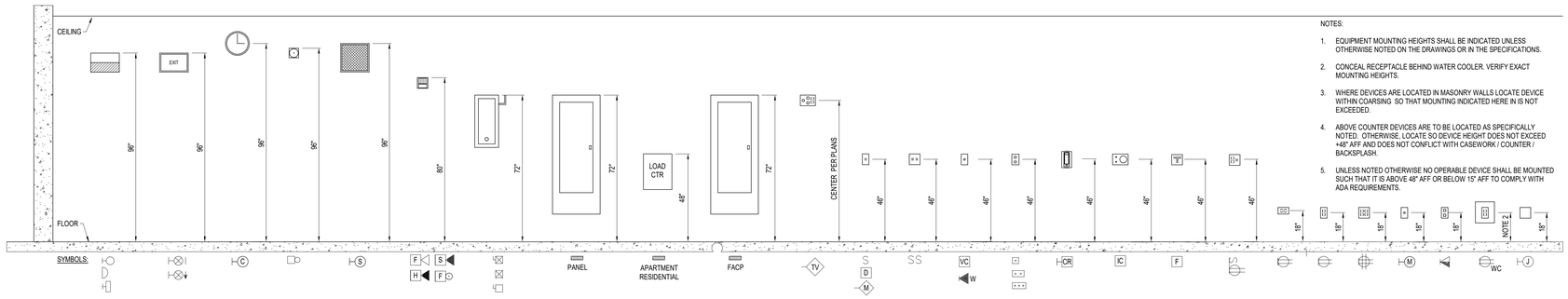
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

PANEL SCHEDULES

E-503

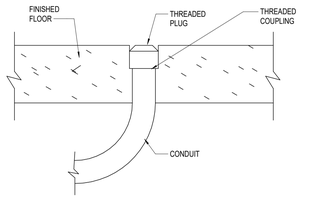
5/13/2026 12:31:00 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-ESN-Nineveh#101_Rev.rvt



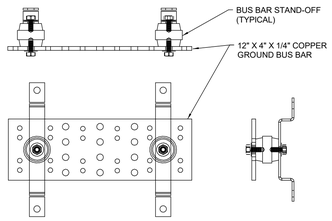
NOTES:

1. EQUIPMENT MOUNTING HEIGHTS SHALL BE INDICATED UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
2. CONCEAL RECEPTACLE BEHIND WATER COOLER. VERIFY EXACT MOUNTING HEIGHTS.
3. WHERE DEVICES ARE LOCATED IN MASONRY WALLS LOCATE DEVICE WITHIN COARSING SO THAT MOUNTING INDICATED HERE IN IS NOT EXCEEDED.
4. ABOVE COUNTER DEVICES ARE TO BE LOCATED AS SPECIFICALLY NOTED. OTHERWISE, LOCATE SO DEVICE HEIGHT DOES NOT EXCEED +48" AFF AND DOES NOT CONFLICT WITH CASEWORK / COUNTER / BACKSPLASH.
5. UNLESS NOTED OTHERWISE NO OPERABLE DEVICE SHALL BE MOUNTED SUCH THAT IT IS ABOVE 48" AFF OR BELOW 15" AFF TO COMPLY WITH ADA REQUIREMENTS.

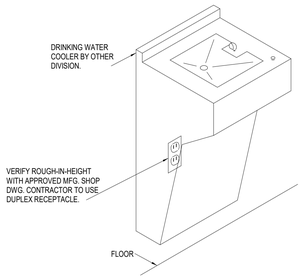
1 TYPICAL ELECTRICAL ELEVATIONS
NOT TO SCALE



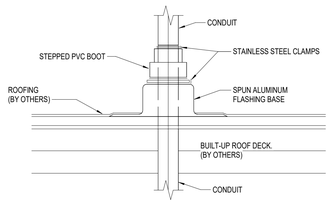
8 CONDUIT STUB UP DETAIL
NOT TO SCALE



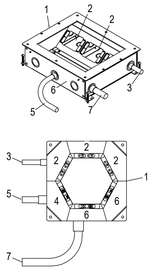
5 ELECTRICAL SERVICE GROUNDING BUSBAR DETAIL
NOT TO SCALE



2 EWC WIRING DETAIL
NOT TO SCALE



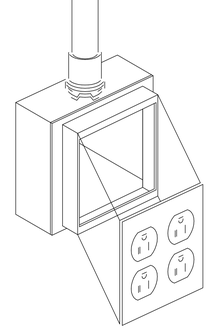
9 CONDUIT ROOF PENETRATION DETAIL
NOT TO SCALE



FLUSH OUTLET DETAIL NOTES:

1. FLUSH MOUNTED FLOOR OUTLET BOX WITH FLANGED ACTIVATION KIT. MOUNT FLUSH WITH FLOOR.
2. PROVIDE TWO DUPLEX POWER RECEPTACLE IN THIS COMPARTMENT.
3. PROVIDE ONE 3/4"c. FOR POWER.
4. COMPARTMENT FOR VOICE AND DATA CONNECTORS AS INDICATED. BLANK OFF REMAINING OPENINGS.
5. PROVIDE ONE 1-1/4"c. TO NEAREST CORRIDOR CABLE TRAY FOR VOICE AND DATA CABLING.
6. COMPARTMENT FOR AUDIO/VIDEO CONNECTIONS AS INDICATED. BLANK OFF UNUSED.
7. PROVIDE ONE 1-1/4"c. TO SPARE ABOVE ROOM CEILING FOR AUDIO AND VIDEO CABLING. CONDUIT TO BE SPARE IF NO AUDIO AND VIDEO CABLING.

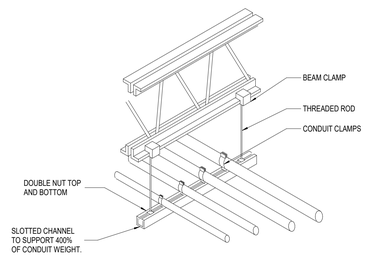
6 26 27 27 FLOOR OUTLET DETAIL TYPE A
NOT TO SCALE



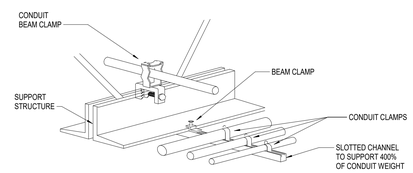
DOUBLE DUPLEX RECEPTACLE IN FLUSH MOUNTED 4" OR 4-11/16" SQUARE BOX WITH SINGLE-GANG PLASTER RING. MOUNT AT +20" AFF TO TOP.

3 TYPICAL FLUSH MOUNTED DOUBLE DUPLEX OUTLET
NOT TO SCALE

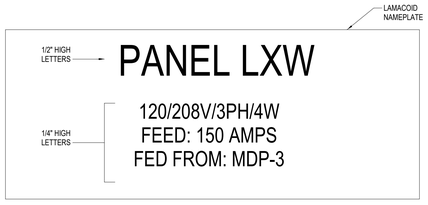
9 CONDUIT ROOF PENETRATION DETAIL
NOT TO SCALE



10 2" AND LARGER CONDUIT SUPPORT DETAIL
NOT TO SCALE

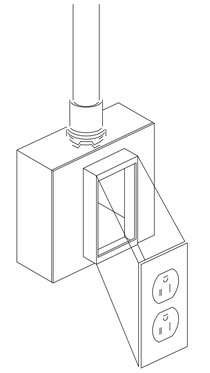


11 1.5" AND SMALLER CONDUIT SUPPORT DETAIL
NOT TO SCALE



NOTI LABELS SHALL BE:
NORMAL POWER: BLACK WITH WHITE LETTERS
EMERGENCY POWER: RED WITH WHITE LETTERS

7 PANELS, TRANSFORMER, AND DISCONNECT SWITCH LABELING DETAIL
NOT TO SCALE



DUPLEX RECEPTACLE IN FLUSH MOUNTED 4" OR 4-11/16" SQUARE BOX WITH SINGLE-GANG PLASTER RING. MOUNT AT +20" AFF TO TOP.

4 TYPICAL FLUSH MOUNTED DUPLEX OUTLET
NOT TO SCALE

STUDIOAXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Addison
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

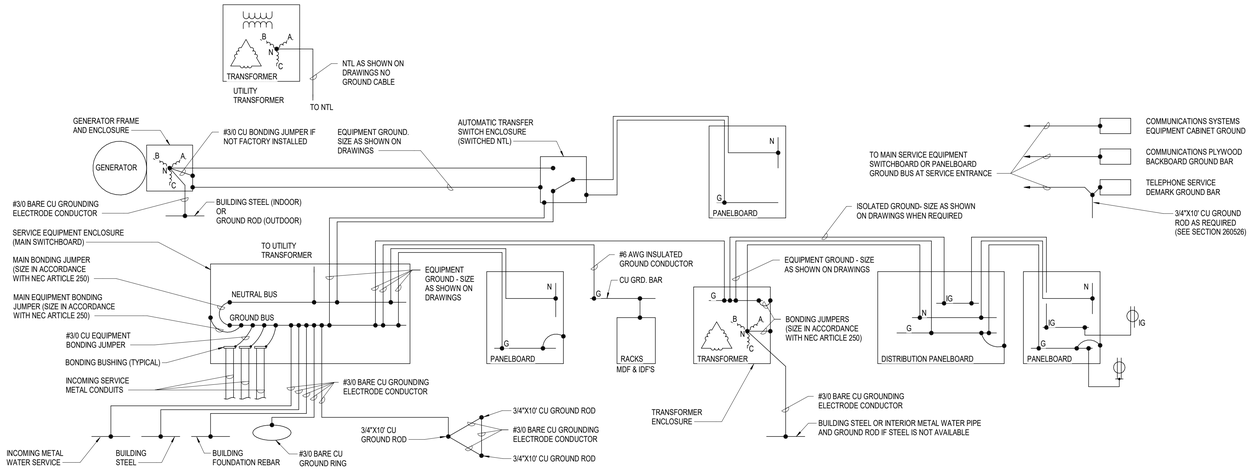
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

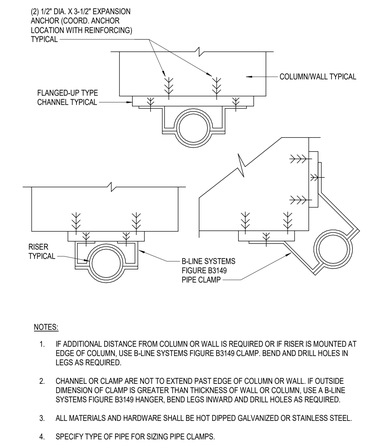
ELECTRICAL DETAILS

E-601

5/13/2026 12:49:33 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-FSK-Nineveh#101_Rev.rvt



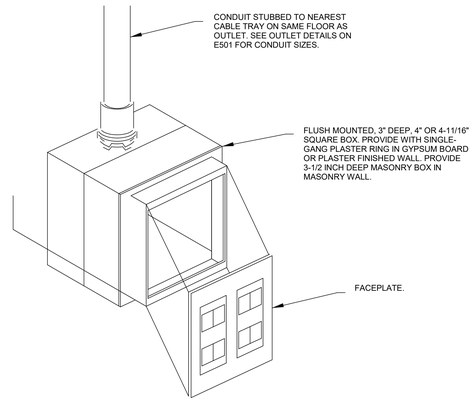
1 TYPICAL GROUNDING DETAIL
NOT TO SCALE



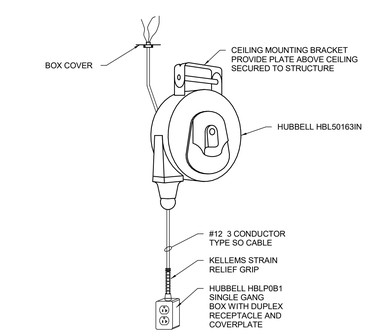
NOTES:

1. IF ADDITIONAL DISTANCE FROM COLUMN OR WALL IS REQUIRED OR IF RISER IS MOUNTED AT EDGE OF COLUMN, USE B-LINE SYSTEMS FIGURE B3149 CLAMP. BEND AND DRILL HOLES IN LEGS AS REQUIRED.
2. CHANNEL OR CLAMP ARE NOT TO EXTEND PAST EDGE OF COLUMN OR WALL. IF OUTSIDE DIMENSION OF CLAMP IS GREATER THAN THICKNESS OF WALL OR COLUMN, USE A B-LINE SYSTEMS FIGURE B3149 HANGER, BEND LEGS INWARD AND DRILL HOLES AS REQUIRED.
3. ALL MATERIALS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
4. SPECIFY TYPE OF PIPE FOR SIZING PIPE CLAMPS.

2 CONDUIT SUPPORT DETAIL
NOT TO SCALE

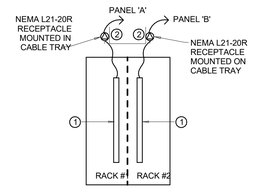


3 TYPICAL FLUSH MOUNTED SYSTEMS OUTLET
NOT TO SCALE



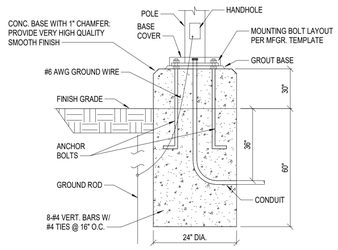
ELECTRIC CORD REEL DETAIL
NOT TO SCALE

5 26 27 26 ELECTRICAL CORD REEL DUPLEX DETAIL
NOT TO SCALE

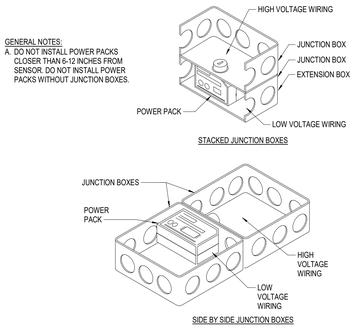


1. PROVIDE RACK MOUNTED "PDU", 2G, METERED, 120/208V,3PH INPUT, 20 AMPS WITH L21-20R INPUT CONNECTION, 5.8 KVA INPUT POWER; 208V (L-L), 120V (L-N), OOUTPUT VOLTAGE, (36 C13, (6) C19 & (2) 5-20R WITH 6-FOOT POWER CORD & L21-20P CONNECTOR, UNIT SHALL BE 70" HIGH x 2.2" WIDE x 1.7" DEEP. B.O.D. - APC AP8861 OR APPROVED EQUAL.
2. PROVIDE NEMA L21-20R RECEPTACLE IN A 2-GANG BOX W/COVERPLATE.

7 2-RACK TELECOM AND SECURITY POWER DETAIL - TYPICAL
NOT TO SCALE



9 POLE BASE DETAIL - 30IN AFG
NOT TO SCALE



GENERAL NOTES:
A. DO NOT INSTALL POWER PACKS CLOSER THAN 6-12 INCHES FROM SENSOR. DO NOT INSTALL POWER PACKS WITHOUT JUNCTION BOXES.

4 OCCUPANCY SENSOR POWER PACK MOUNTING DETAIL
NOT TO SCALE

6 GROUNDING TRIANGLE DETAIL
NOT TO SCALE

8 GROUND MOUNTED LIGHT DETAIL
NOT TO SCALE

STUDIOAXIS
618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162
WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Andrason
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1438

STRUCTURAL ENGINEER
JQOL
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

DANIEL K. SIMERSON REGISTERED PE10700117 STATE OF INDIANA PROFESSIONAL ENGINEER
05/14/2026
25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

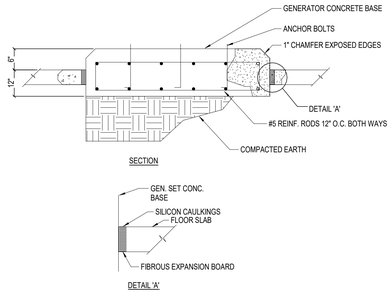
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ELECTRICAL DETAILS

E-602

5/13/2026, 12:51:10 PM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033-E26-Nineveh FD_Rev.rvt



NOTES:

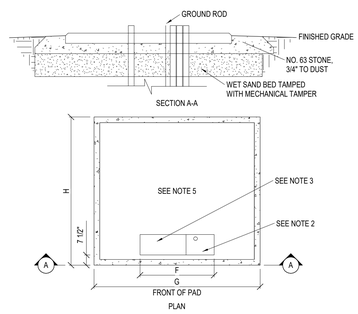
1. CONCRETE PAD WITH MINIMUM STRENGTH OF 4000 PSI AFTER 28 DAYS. NO JOINTS ARE ACCEPTABLE IN THE PAD. THE TOP SHALL BE LEVEL AND SMOOTH.

2. PLACE ANCHOR BOLT IN CONCRETE BASE AS REQUIRED FOR SECURE MOUNTING PER GENERATOR SET MANUFACTURER'S RECOMMENDATION.

3. BASE SHALL EXTEND 6" BEYOND GENERATOR SET FRAME ON ALL SIDES EXCEPT 18" AT THE GENERATOR END (UNO).

4 GENERATOR SET BASE DETAIL

NOT TO SCALE



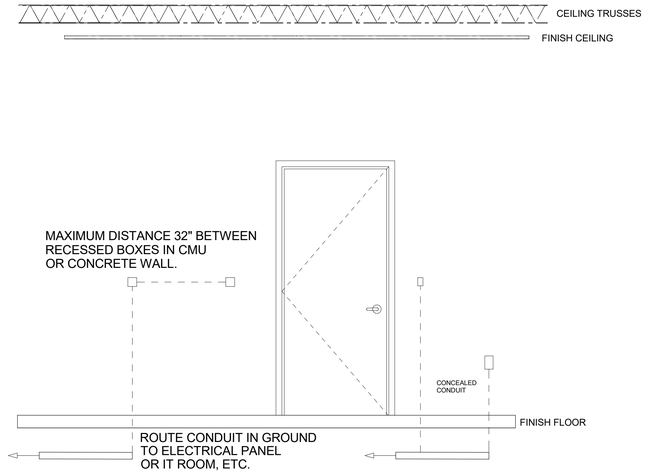
RATING	'F' DIMENSION	'G' DIMENSION	'H' DIMENSION	WEIGHT
300 KVA	69"	84"	63"	4450 LBS
500 KVA	69"	101"	65"	5700 LBS
750 KVA	69"	101"	69"	8200 LBS
1000 KVA	69"	101"	71"	10,100 LBS
1500 KVA	69"	101"	98"	13,950 LBS
2000 KVA	69"	84"	99"	15,000 LBS
2500 KVA	69"	84"	111"	18,850 LBS
3000 KVA	69"	96"	111"	19,000 LBS

NOTES:

1. THE TOP OF FOUNDATION SHALL BE SMOOTH AND LEVEL.
2. MAXIMUM SPACE AVAILABLE FOR LOW VOLTAGE CONDUITS.
3. HIGH VOLTAGE CONDUIT AREA.
4. CONDUIT SHALL BE NOT LESS THAN 36".
5. WHERE POSSIBLE DO NOT INSTALL CONDUITS UNDERNEATH THIS AREA.
6. BACKFILL UNDER FOUNDATION SHALL NOT BE EARTH. CONDUITS SHALL BE INSTALLED PRIOR TO FOUNDATION. ALL CONDUITS SHALL BE EXTENDED NOT LESS THAN 3'-0" FROM EDGE OF PAD.
7. GROUND SLOPE AWAY FROM PAD SHALL BE 36:1.
8. REINFORCING BAR SHALL BE #4 DEFORMED BAR.
9. DIMENSIONS SHOWN BASED ON AVAILABLE COOPER POWER SYSTEMS DATA.
10. CONTRACTOR SHALL FIELD VERIFY EXACT EQUIPMENT DIMENSIONS AND CONDUIT STUBUP LOCATIONS PRIOR TO INSTALLATION.

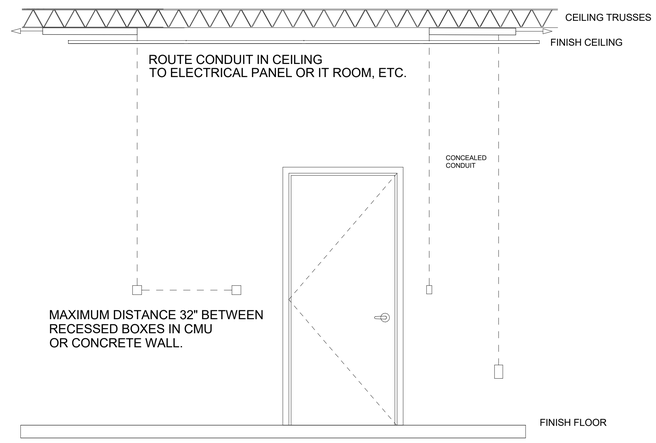
5 TYPICAL TRANSFORMER PAD DETAIL

NOT TO SCALE



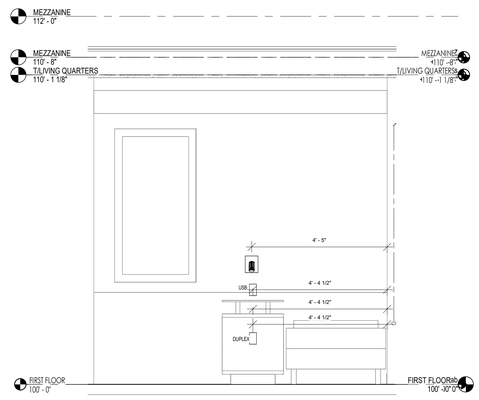
1 RECESSED CONDUIT IN CMU/CONCRETE BELOW GROUND

3" = 1'-0"



2 RECESSED CONDUIT IN CMU/CONCRETE OVERHEAD

3" = 1'-0"



3 TYPICAL DORM ROOM

1/2" = 1'-0"

STUDIO AXIS

618 Studio
618 East Market Street
Indianapolis, Indiana 46202
+1 (317) 264-8162

WWW.STUDIOAXIS.COM

CLIENT
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES Madison
844 E. 775 S.
Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
Wes Harrison
PH 317-431-3863

CIVIL + LANDSCAPE ARCHITECT
HWC ENGINEERING
Alex McDaniel
135 N Pennsylvania Street, Suite 2800
Indianapolis, Indiana 46204
PH 317-981-1408

STRUCTURAL ENGINEER
JQOV
Joe Vance
301 Baxter Avenue, Suite 201
Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
301 Pennsylvania Pkwy Suite 220
Indianapolis, IN 46280
317.781.6200

BARRY K. SIMPSON REGISTERED PE10700172 STATE OF INDIANA PROFESSIONAL ENGINEER 05/14/2026 25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026
REVISIONS

#	DESCRIPTION	DATE

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ELECTRICAL DETAILS

E-603

Autodesk Docs://25033 - Nineveh Twp FD Station 01/25033-EM-Nineveh#21S01_Rev.rvt
5/13/2026 12:51:13 PM