DOCUMENT 00 91 13 – ADDENDUM No. 1

1.1 PROJECT INFORMATION

A. Project Name: Nineveh Fire Station 101

B. Project Location: S Nineveh Road, Nineveh, Indiana 46164

C. Owner: Nineveh Fire Protection Board of Trustees

D. Architect: studioAXIS

E. Architect Project Number: 2025013

F. Date of Addendum: June 4, 2026

1.2 NOTICE TO BIDDERS

A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

C. The date for receipt of bids is unchanged by this Addendum.

D. The last date for questions will be Tuesday, June 16th at 5:00 PM.

1.3 ATTACHMENTS

A. This Addendum includes the following attached Documents:
1. Nineveh Fire Station 101 – MEP Addendum No. 1 Narrative.
2. Nineveh Fire Station 101 – Pre-Bid Sign-In Sheet.
3. Nineveh Fire Station 101 – Site CAD File.

B. This Addendum includes the following attached Specifications Sections:
1. Section 00 00 03, dated 05/14/2026, (reissued).
2. Section 00 11 16, dated 06/04/2026, (new).
3. Section 00 21 13.1, dated 06/04/2026, (new).
4. Section 00 41 13, dated 05/14/2026, (reissued).
5. Section 00 43 23, dated 06/04/2026, (new).
6. Section 00 43 75, dated 06/04/2026, (new).
7. Section 00 90 60, dated 05/14/2026, (reissued).
8. Section 10 26 00, dated 06/04/2026, (new).

C. This Addendum includes the following attached Sheets:
1. General Sheet G-001, dated 05/14/2026, (reissued).
2. Civil Sheet C0.00, dated 05/14/2026, (reissued).
3. Civil Sheet C0.01, dated 05/14/2026, (reissued).
4. Civil Sheet C0.10, dated 05/14/2026, (reissued).
5. Civil Sheet C0.20, dated 05/14/2026, (reissued).
6. Civil Sheet C1.00, dated 05/14/2026, (reissued).
7. Civil Sheet C1.10, dated 05/14/2026, (reissued).
8. Civil Sheet C1.20, dated 05/14/2026, (reissued).
9. Civil Sheet C1.40, dated 05/14/2026, (reissued).
10. Civil Sheet C1.50, dated 05/14/2026, (reissued).
11. Civil Sheet C3.00, dated 05/14/2026, (reissued).
12. Civil Sheet C4.00, dated 05/14/2026, (reissued).
13. Civil Sheet C6.00, dated 05/14/2026, (reissued).
14. Civil Sheet C6.01, dated 05/14/2026, (reissued).
15. Civil Sheet C8.00, dated 05/14/2026, (reissued).
16. Civil Sheet C8.01, dated 05/14/2026, (reissued).
17. Civil Sheet C8.02, dated 05/14/2026, (reissued).
18. Civil Sheet C8.03, dated 06/04/2026, (new).
19. Civil Sheet C8.10, dated 05/14/2026, (reissued).
20. Civil Sheet C8.11, dated 05/14/2026, (reissued).
21. Civil Sheet C8.12, dated 05/14/2026, (reissued).
22. Landscape Architecture Sheet L1.00, dated 05/14/2026, (reissued).
23. Landscape Architecture Sheet L8.00, dated 05/14/2026, (reissued).
24. Landscape Architecture Sheet L8.10, dated 05/14/2026, (reissued).
25. Structural Sheet S-300, dated 05/14/2026, (reissued).
26. Structural Sheet S-500, dated 05/14/2026, (reissued).
27. Structural Sheet S-510, dated 05/14/2026, (reissued).
28. Structural Sheet S-521, dated 05/14/2026, (reissued).
29. Structural Sheet S-522, dated 05/14/2026, (reissued).
30. Architectural Sheet A-001, dated 05/14/2026, (reissued).
31. Architectural Sheet A-101, dated 05/14/2026, (reissued).
32. Architectural Sheet A-102, dated 05/14/2026, (reissued).
33. Architectural Sheet A-103, dated 05/14/2026, (reissued).
34. Architectural Sheet A-201, dated 05/14/2026, (reissued).
35. Architectural Sheet A-202, dated 05/14/2026, (reissued).
36. Architectural Sheet A-301, dated 05/14/2026, (reissued).
37. Architectural Sheet A-302, dated 05/14/2026, (reissued).
38. Architectural Sheet A-303, dated 05/14/2026, (reissued).
39. Architectural Sheet A-310, dated 05/14/2026, (reissued).
40. Architectural Sheet A-311, dated 06/04/2026, (new).
41. Architectural Sheet A-401, dated 05/14/2026, (reissued).
42. Architectural Sheet A-501, dated 05/14/2026, (reissued).
43. Architectural Sheet A-601, dated 05/14/2026, (reissued).
44. Architectural Sheet A-602, dated 05/14/2026, (reissued).
45. Architectural Sheet A-603, dated 05/14/2026, (reissued).
46. Architectural Sheet A-610, dated 06/04/2026, (new).
47. Architectural Sheet A-700, dated 05/14/2026, (reissued).

48. Architectural Sheet A-701, dated 05/14/2026, (reissued).
49. Architectural Sheet A-710, dated 05/14/2026, (reissued).
50. Architectural Sheet A-801, dated 05/14/2026, (reissued).
51. Architectural Sheet A-901, dated 05/14/2026, (reissued).
52. Mechanical Sheet H-101, dated 05/14/2026, (reissued).
53. Mechanical Sheet H-102, dated 05/14/2026, (reissued).
54. Mechanical Sheet H-103, dated 05/14/2026, (reissued).
55. Mechanical Sheet HP101, dated 05/14/2026, (reissued).
56. Mechanical Sheet H-301, dated 05/14/2026, (reissued).
57. Mechanical Sheet H-302, dated 05/14/2026, (reissued).
58. Mechanical Sheet H-401, dated 05/14/2026, (reissued).
59. Electrical Sheet ET101, dated 05/14/2026, (reissued).
60. Electrical Sheet ET601, dated 05/14/2026, (reissued).
61. Fire Alarm Sheet FA101, dated 06/04/2026, (new).

1.4 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS

A. Section 00 11 16, dated 06/04/2026, (new).

B. Section 00 21 13.1, dated 06/04/2026, (new).

C. Section 00 41 13, dated 05/14/2026, (reissued).

D. Section 00 43 23, dated 06/04/2026, (new).

E. Section 00 43 75, dated 06/04/2026, (new).

F. Section 00 90 60, dated 05/14/2026, (reissued).

1.5 BIDDING RFI RESPONSES

A. RFI #01: Is a CAD file is available for this project?
   1. Answer RFI #01: Yes, we can prepare a CAD file with existing and proposed surfaces with Addendum No.1 so that the dirt subcontractor can do earthwork take-offs.

B. RFI #02: Corner Guards are noted on the drawings but no spec is provided. Are we to provide corner guards? If so, please provide a specification.
   1. Answer RFI #02: Specification Section 10 26 00 Wall and Door Protection will be included in Addendum No. 1.

C. RFI #03: Is the exterior wall sheathing to be OSB/ZIP/Gypsum? The spec calls for OSB, but the drawings indicate gypsum and there is a drawing showing all of the zip panel details.
   1. Answer RFI #03: The exterior wall sheathing will be Glass-Matt Gypsum Sheathing and Composite Nailbase Sheathing. Refer to Sheet A-001 and the A-300 series.

D. RFI #04: Is the GC responsible for Tap Fees?
   1. Answer RFI #04: The Owner will cover the connection fees.

E. RFI #05: Testing services by GC or Owner?
   1. Answer RFI #05: The testing services will be paid for by the Owner. The contractor is required to coordinate the on-site conditions.

F. RFI #06: I could not locate any specs or details for the bath accessories
   1. Answer RFI #06: The toilet accessories are listed on sheet A-001 under the specialty accessory schedule. Refer to Specification Section 10 28 00 Toilet, Bath, and Laundry Accessories.

G. RFI #07: There is a spec for downspout guards but could not locate any on the drawings, are they required?
   1. Answer RFI #07: Refer to sheet C1.00 and A-101 for the downspout splash guard locations.

H. RFI #08: The drawings call out aluminum gutters, however, they are also labeled as box gutters. Typically, box gutters are pre-finished steel. Please clarify the material type and size of the gutters
   1. Answer RFI #08: The gutters are to be 6" x 6" aluminum as identified on sheet A-103 and in Specification Section 07 62 00 - Sheet Metal Flashing and Trim.

I. RFI #09: There is a detail on A302 directing to A311 - my plan set does not have A311.
   1. Answer RFI #09: Sheet A-311 will be included in Addendum No. 1.

J. RFI #10: Was reviewing this job and getting to the spec volumes the painting sections are not there at all 09 91 13 Exterior, 09 91 23 Interior, and 09 96 00 HP Coatings. Is there painting specs on this job or we going off prints?
   1. Answer RFI #10: Specification Sections 09 91 13, 09 91 23, and 09 96 00 will be included in Addendum No. 2.

K. RFI #11: Will you get clarification on the shingle: Elevation has a regular class 3 GAF shingle and Spec has a class 4 SBS modified shingle by OC.
   1. Answer RFI #11: The asphalt shingles are to have a Class 4 rating and be an SBS polymer modified shingle.

L. RFI #12: There is conflicting information about what base finish goes in the restrooms. Interior Elevation Note 4 on A-602 describes ceramic tile being installed as the base finish, however A-710 lists B4 (rubber base).
   1. Answer RFI #12: Wall Base B4 is to be used on all restroom walls that do not have tile.

M. RFI #13: I am needing some clarification on the finish specs:
      a. The bathroom "Bath 115" has multiple conflicting design specs for the base selection.
      b. Referencing A-710-02, the base is indicated as B4 (Johnsonite's 6" Rubber base to match P2 color).
      c. Referencing A-602-04, the base is indicated as CT2 with a horizontal stack pattern at a height of two tile courses (4").
      d. Referencing A-602-05, the base is indicated as a vertical pattern at a height of 7" (CT2 is a 2"x9" tile).

e. Referencing A-602 Interior Elevations Keynote #4: "Tile to 5'AFF. When used as base, install tile to 6" AFF, cap with Schluter; refer to spec."
f. There is no cut tile base mentioned in the finish legend, only 4 variations of rubber base.
g. Please advise on what product/install pattern you would like to use.

1. Answer RFI #13: Wall Base B4 is to be used on all restroom walls that do not have tile.

N. RFI #14: Please confirm the basis of design product the formed metal wall panels 07 42 13.13 should be Pac Clad 22 GA Flush Wall Panels with Pencil Ribs.
1. Answer RFI #14: Yes, per the drawings and Specification Section 07 42 13.13 Formed Metal Wall Panels, the basis of design is Pac-Clad, Pencil Rib on Smooth Panel, 22-Gauge.

O. RFI #15: Is the project Tax Exempt?
1. Answer RFI #15: Yes, the project is tax exempt.

P. RFI #16: Is the Bid Bond 2.5% or 5% of the project value?
1. Answer RFI #16: The Bid Bond is for 5% of the project value.

Q. RFI #17: At the pre-bid meeting the project was discussed as a 12 month roject. I see the documents talk about 231 days which is more like 8 months. Can you clarify please?
1. Answer RFI #17: The project is to be completed 12 months after it begins construction.

R. RFI #18: Do we need to carry any money in our bid for the building permit? The site permit? And utility connection fees?
1. Answer RFI #18: The Contractor is responsible for paying for all permits. The Owner will cover the connection fees.

END OF DOCUMENT 00 91 13

CIRCLE DESIGN GROUP

ADDENDUM NUMBER: 1

PROJECT NAME: Nineveh Fire Station 101
PROJECT NO.: 25033.000

ISSUED FROM	ISSUE DATE	BID DATE
Circle Design Group	June 4,2026	

This Addendum No. 1 to the drawings and specifications shall supplement, amend, and become a part of the bidding documents, plans, and specifications. All bids and construction contracts shall be based on these modifications to the original contract documents.

PART 1. BIDDING AND CONTRACT DOCUMENTS

1.01

PART 2. SPECIFICATIONS

A. None

PART 3. DRAWINGS

3.01 FA101 – FIRST FLOOR FIRE ALARM PLAN
A. Added drawing Fire alarm that was missing from the original set.

3.02 ET101 – FIRST FLOOR SYSTEMS PLAN
A. Added card access controls on doors 118 and 125 as shown

3.03 ET601 – SYSTEMS DETAILS
A. Added doors 118 and 125 on the PACS riser diagram (detail #1)

3.04 H-101 – FIRST FLOOR HVAC PLAN
A. Added general HVAC Note.

3.05 H-102 – MEZZANINE FLOOR PLAN AND LOW ROOF HVAC PLAN
A. Added general HVAC Note.

3.06 H-103 – ROOF HVAC PLAN
A. Added general HVAC Note.

3.07 HP101 – FIRST FLOOR & MEZZANINE HVAC PIPING PLAN
A. Added general HVAC Note.

3.08 H-301 – ENLARGED HVAC PLANS AND SECTIONS
A. Added general HVAC Note.

3.09 H-302 – ENLARGED HVAC PLANS AND SECTIONS
A. Added general HVAC Note.

3.10 H-401 – VEHICLE EXHAUST SYSTEM
A. Added general HVAC Note.

ATTACHMENTS

Drawings: FA101, E101, ET601, H-101, H-102, H-103, HP101, H-301, H-302, H-401

address
301 Pennsylvania Parkway , Suite 220
Indianapolis, IN 46280

phone
317.781.6200

END OF ADDENDUM

STUDIO AXIS

618 East Market Street
Indianapolis, IN, 46202

SIGN-IN SHEET

PROJECT:	Nineveh Fire Station 101	AXIS PROJECT NUMBER:	2025013
DATE:	May 27, 2026	TIME:	10:30 AM
MEETING TYPE:	Pre-Bid Meeting		
MEETING LOCATION:	Nineveh Fire Department 844 E 775 S, Nineveh, IN 46164		

NAME	COMPANY	PHONE #	EMAIL
Kevin Hamilton	Duke Commercial	3172924915	KevinHamilton@dukecommercial.com
Kyle Eodice	First Duke	317 362 9998	KEODICE@firstdukecompanies.com
Chase Sullivan	Goodman Construction	812-320-2207	chaseC goodmanconstructionco.com
Ryan Groves	SB Construction	646-696-0033	ryan.groves@s-bconstruction.com
Chaz Druetzler	SB Const.	317-997-4365	estimating@s-bconstruction.com
Ken Noll	Patterson North	317-243-6104	Knoll@pattersonnorth.com
Jacob Hellmann	Keymark	812-232-3700	jacob@mykeymark.com
Ben Dugan	Gilliatte Gen. Con.	317-710-3783	bdugan@gilliatte.com
Connor Bilancio	Securitas Technology	317-540-1703	connor.bilancio@securitas.com
Damon Hood	BW	260-750-6966	dhood@buildbw.com
Shawn Annandale	Blades AVS	317 531 1275	shawn_annandale@bladesavs.com
Philip Hallett	Securitas Tech.	(317) 879-6520	phil.hallett@securitas.com
Hunter Hersky	Dave O'Mara Contracting Inc	812-953-6568	teridd@daveomara.com
Blake Niccum	C-Cat	317-417-4164	Bniccum@C-Cat.com
Bill Meier	Bruns-Gutzwiller	812-934-2105	BMEIER@BRUNS-GUTZWILLER.COM
Sydney Alcorn	Gaylor	812-498 [illegible]	Salcorn@gaylor.com
Jacob Foster	Gaylor	812-797-8312	jafoster@gaylor.com
Amanda Underwood	Milestone	513 735 9781	amunderwood@milestonep.com
Sydney Donica	Milestone	8123503516	sdonica@milestonep.com

STUDIO AXIS

618 East Market Street
Indianapolis, IN, 46202

SIGN-IN SHEET

PROJECT:	Nineveh Fire Station 101	**AXIS PROJECT NUMBER:**	2025013
DATE:	May 27, 2026	**TIME:**	10:30 AM
MEETING TYPE:	Pre-Bid Meeting		
MEETING LOCATION:	Nineveh Fire Department 844 E 775 S, Nineveh, IN 46164		

NAME	COMPANY	PHONE #	EMAIL
Brian Chavez	R Chavez Const.	317-922-4603	bchavez@rchavezconstruction.com
Gerry Meyer	Driftwood Bldrs	812-526-2200	GMeyer@Driftwoodbuilders inc.com
Brandon May	THW	317-714-8556	BMay@THWCORP.NET
Jon Mason	Crown Excavation	317-339-9390	jonmason@crownexcavation.com
Dallas Hayes	DeWees Const.	317-491-4429	DeweesConstruction
Matt Logan	Truster Building and Fence	317-372-0260	matt@trusterbuildingandfence.com
Bradley Quakenbush	White oak Commercial	317 748 3946	brad@WOCGRP.com
Norm Caudlin	White Oak Commercial	3178475548	NORM@WOCGRP.com
Aaron Heis	BCMI	(765)765-7500	BIDS@BCMI.US

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28 31 00 ADDRESSABLE FIRE ALARM AND DETECTION

END OF SECTION 00 00 03

DOCUMENT 001116 - INVITATION TO BID

1.1 PROJECT INFORMATION

A. Notice to Bidders: Qualified bidders are invited to submit bids for Project as described in this Document according to the Instructions to Bidders.

B. Project Identification: Nineveh Fire Station 101

1. Project Location: S Nineveh Road, Nineveh, Indiana 46164

C. Owner: Nineveh Fire Protection Board of Trustees.

D. Architect: Contact Ashley Thornberry athornberry@studioaxis.com at studioAXIS, 618 East Market Street, Indianapolis, Indiana 46202, Phone 317 264-8162.

E. Project Description: Project consists of a new 1-story fire station with mezzanine.

F. Construction Contract: Bids will be received for the following Work:

1. Single Prime Contract.

1.2 BID SUBMITTAL AND OPENING

A. Refer to Specification Section 00 01 13 – Notice to Bidders.

1.3 BID SECURITY

A. Bid security shall be submitted with each bid in the amount of 5 percent of the bid amount. No bids may be withdrawn for a period of 60 days after opening of bids. Owner reserve the right to reject any and all bids and to waive informalities and irregularities.

1.4 PREBID CONFERENCE

A. Refer to Specification Section 00 01 13 – Notice to Bidders.

1.5 DOCUMENTS

A. Refer to Specification Section 00 01 13 – Notice to Bidders.

1.6 TIME OF COMPLETION

A. Refer to Specification Section 00 01 13 – Notice to Bidders.

1.7 BIDDER'S QUALIFICATIONS

A. Refer to Specification Section 00 01 13 – Notice to Bidders.

END OF DOCUMENT 00 11 16

DRAFT

AIA® Document A701™ – 2018

Instructions to Bidders

for the following Project:
(Name, location, and detailed description)

« Nineveh Fire Station 101»
« »
« »

THE OWNER:
(Name, legal status, address, and other information)

« »« »
« »
« »
« »

THE ARCHITECT:
(Name, legal status, address, and other information)

« »« »
« »
« »
« »

TABLE OF ARTICLES

1 DEFINITIONS

2 BIDDER'S REPRESENTATIONS

3 BIDDING DOCUMENTS

4 BIDDING PROCEDURES

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6 POST-BID INFORMATION

7 PERFORMANCE BOND AND PAYMENT BOND

8 ENUMERATION OF THE PROPOSED CONTRACT DOCUMENTS

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

FEDERAL, STATE, AND LOCAL LAWS MAY IMPOSE REQUIREMENTS ON PUBLIC PROCUREMENT CONTRACTS. CONSULT LOCAL AUTHORITIES OR AN ATTORNEY TO VERIFY REQUIREMENTS APPLICABLE TO THIS PROCUREMENT BEFORE COMPLETING THIS FORM.

It is intended that AIA Document G612™–2017, Owner's Instructions to the Architect, Parts A and B will be completed prior to using this document.

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ARTICLE 1 DEFINITIONS

§ 1.1 Bidding Documents include the Bidding Requirements and the Proposed Contract Documents. The Bidding Requirements consist of the advertisement or invitation to bid, Instructions to Bidders, supplementary instructions to bidders, the bid form, and any other bidding forms. The Proposed Contract Documents consist of the unexecuted form of Agreement between the Owner and Contractor and that Agreement's Exhibits, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, all Addenda, and all other documents enumerated in Article 8 of these Instructions.

§ 1.2 Definitions set forth in the General Conditions of the Contract for Construction, or in other Proposed Contract Documents apply to the Bidding Documents.

§ 1.3 Addenda are written or graphic instruments issued by the Architect, which, by additions, deletions, clarifications, or corrections, modify or interpret the Bidding Documents.

§ 1.4 A Bid is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Bidding Documents.

§ 1.5 The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents, to which Work may be added or deleted by sums stated in Alternate Bids.

§ 1.6 An Alternate Bid (or Alternate) is an amount stated in the Bid to be added to or deducted from, or that does not change, the Base Bid if the corresponding change in the Work, as described in the Bidding Documents, is accepted.

§ 1.7 A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, as described in the Bidding Documents.

§ 1.8 A Bidder is a person or entity who submits a Bid and who meets the requirements set forth in the Bidding Documents.

§ 1.9 A Sub-bidder is a person or entity who submits a bid to a Bidder for materials, equipment, or labor for a portion of the Work.

ARTICLE 2 BIDDER'S REPRESENTATIONS

§ 2.1 By submitting a Bid, the Bidder represents that:

- **.1** the Bidder has read and understands the Bidding Documents;
- **.2** the Bidder understands how the Bidding Documents relate to other portions of the Project, if any, being bid concurrently or presently under construction;
- **.3** the Bid complies with the Bidding Documents;
- **.4** the Bidder has visited the site, become familiar with local conditions under which the Work is to be performed, and has correlated the Bidder's observations with the requirements of the Proposed Contract Documents;
- **.5** the Bid is based upon the materials, equipment, and systems required by the Bidding Documents without exception; and
- **.6** the Bidder has read and understands the provisions for liquidated damages, if any, set forth in the form of Agreement between the Owner and Contractor.

ARTICLE 3 BIDDING DOCUMENTS

§ 3.1 Distribution

§ 3.1.1 Bidders shall obtain complete Bidding Documents, as indicated below, from the issuing office designated in the advertisement or invitation to bid, for the deposit sum, if any, stated therein.
(Indicate how, such as by email, website, host site/platform, paper copy, or other method Bidders shall obtain Bidding Documents.)

« »

§ 3.1.2 Any required deposit shall be refunded to Bidders who submit a bona fide Bid and return the paper Bidding Documents in good condition within ten days after receipt of Bids. The cost to replace missing or damaged paper

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documents will be deducted from the deposit. A Bidder receiving a Contract award may retain the paper Bidding Documents, and the Bidder's deposit will be refunded.

§ 3.1.3 Bidding Documents will not be issued directly to Sub-bidders unless specifically offered in the advertisement or invitation to bid, or in supplementary instructions to bidders.

§ 3.1.4 Bidders shall use complete Bidding Documents in preparing Bids. Neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete Bidding Documents.

§ 3.1.5 The Bidding Documents will be available for the sole purpose of obtaining Bids on the Work. No license or grant of use is conferred by distribution of the Bidding Documents.

§ 3.2 Modification or Interpretation of Bidding Documents

§ 3.2.1 The Bidder shall carefully study the Bidding Documents, shall examine the site and local conditions, and shall notify the Architect of errors, inconsistencies, or ambiguities discovered and request clarification or interpretation pursuant to Section 3.2.2.

§ 3.2.2 Requests for clarification or interpretation of the Bidding Documents shall be submitted by the Bidder in writing and shall be received by the Architect at least seven days prior to the date for receipt of Bids.
(Indicate how, such as by email, website, host site/platform, paper copy, or other method Bidders shall submit requests for clarification and interpretation.)

« »

§ 3.2.3 Modifications and interpretations of the Bidding Documents shall be made by Addendum. Modifications and interpretations of the Bidding Documents made in any other manner shall not be binding, and Bidders shall not rely upon them.

§ 3.3 Substitutions

§ 3.3.1 The materials, products, and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance, and quality to be met by any proposed substitution.

§ 3.3.2 Substitution Process

§ 3.3.2.1 Written requests for substitutions shall be received by the Architect at least ten days prior to the date for receipt of Bids. Requests shall be submitted in the same manner as that established for submitting clarifications and interpretations in Section 3.2.2.

§ 3.3.2.2 Bidders shall submit substitution requests on a Substitution Request Form if one is provided in the Bidding Documents.

§ 3.3.2.3 If a Substitution Request Form is not provided, requests shall include (1) the name of the material or equipment specified in the Bidding Documents; (2) the reason for the requested substitution; (3) a complete description of the proposed substitution including the name of the material or equipment proposed as the substitute, performance and test data, and relevant drawings; and (4) any other information necessary for an evaluation. The request shall include a statement setting forth changes in other materials, equipment, or other portions of the Work, including changes in the work of other contracts or the impact on any Project Certifications (such as LEED), that will result from incorporation of the proposed substitution.

§ 3.3.3 The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.

§ 3.3.4 If the Architect approves a proposed substitution prior to receipt of Bids, such approval shall be set forth in an Addendum. Approvals made in any other manner shall not be binding, and Bidders shall not rely upon them.

§ 3.3.5 No substitutions will be considered after the Contract award unless specifically provided for in the Contract Documents.

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§ 3.4 Addenda

§ 3.4.1 Addenda will be transmitted to Bidders known by the issuing office to have received complete Bidding Documents.

(Indicate how, such as by email, website, host site/platform, paper copy, or other method Addenda will be transmitted.)

« »

§ 3.4.2 Addenda will be available where Bidding Documents are on file.

§ 3.4.3 Addenda will be issued no later than four days prior to the date for receipt of Bids, except an Addendum withdrawing the request for Bids or one which includes postponement of the date for receipt of Bids.

§ 3.4.4 Prior to submitting a Bid, each Bidder shall ascertain that the Bidder has received all Addenda issued, and the Bidder shall acknowledge their receipt in the Bid.

ARTICLE 4 BIDDING PROCEDURES

§ 4.1 Preparation of Bids

§ 4.1.1 Bids shall be submitted on the forms included with or identified in the Bidding Documents.

§ 4.1.2 All blanks on the bid form shall be legibly executed. Paper bid forms shall be executed in a non-erasable medium.

§ 4.1.3 Sums shall be expressed in both words and numbers, unless noted otherwise on the bid form. In case of discrepancy, the amount entered in words shall govern.

§ 4.1.4 Edits to entries made on paper bid forms must be initialed by the signer of the Bid.

§ 4.1.5 All requested Alternates shall be bid. If no change in the Base Bid is required, enter "No Change" or as required by the bid form.

§ 4.1.6 Where two or more Bids for designated portions of the Work have been requested, the Bidder may, without forfeiture of the bid security, state the Bidder's refusal to accept award of less than the combination of Bids stipulated by the Bidder. The Bidder shall neither make additional stipulations on the bid form nor qualify the Bid in any other manner.

§ 4.1.7 Each copy of the Bid shall state the legal name and legal status of the Bidder. As part of the documentation submitted with the Bid, the Bidder shall provide evidence of its legal authority to perform the Work in the jurisdiction where the Project is located. Each copy of the Bid shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further name the state of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current power of attorney attached, certifying the agent's authority to bind the Bidder.

§ 4.1.8 A Bidder shall incur all costs associated with the preparation of its Bid.

§ 4.2 Bid Security

§ 4.2.1 Each Bid shall be accompanied by the following bid security:

(Insert the form and amount of bid security.)

« »

§ 4.2.2 The Bidder pledges to enter into a Contract with the Owner on the terms stated in the Bid and shall, if required, furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds if required, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as a penalty. In the event the Owner fails to comply with Section 6.2, the amount of the bid security shall not be forfeited to the Owner.

§ 4.2.3 If a surety bond is required as bid security, it shall be written on AIA Document A310™, Bid Bond, unless otherwise provided in the Bidding Documents. The attorney-in-fact who executes the bond on behalf of the surety shall

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affix to the bond a certified and current copy of an acceptable power of attorney. The Bidder shall provide surety bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 4.2.4 The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until (a) the Contract has been executed and bonds, if required, have been furnished; (b) the specified time has elapsed so that Bids may be withdrawn; or (c) all Bids have been rejected. However, if no Contract has been awarded or a Bidder has not been notified of the acceptance of its Bid, a Bidder may, beginning« »days after the opening of Bids, withdraw its Bid and request the return of its bid security.

§ 4.3 Submission of Bids

§ 4.3.1 A Bidder shall submit its Bid as indicated below:
(Indicate how, such as by website, host site/platform, paper copy, or other method Bidders shall submit their Bid.)

« »

§ 4.3.2 Paper copies of the Bid, the bid security, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed to the party receiving the Bids and shall be identified with the Project name, the Bidder's name and address, and, if applicable, the designated portion of the Work for which the Bid is submitted. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "SEALED BID ENCLOSED" on the face thereof.

§ 4.3.3 Bids shall be submitted by the date and time and at the place indicated in the invitation to bid. Bids submitted after the date and time for receipt of Bids, or at an incorrect place, will not be accepted.

§ 4.3.4 The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.

§ 4.3.5 A Bid submitted by any method other than as provided in this Section 4.3 will not be accepted.

§ 4.4 Modification or Withdrawal of Bid

§ 4.4.1 Prior to the date and time designated for receipt of Bids, a Bidder may submit a new Bid to replace a Bid previously submitted, or withdraw its Bid entirely, by notice to the party designated to receive the Bids. Such notice shall be received and duly recorded by the receiving party on or before the date and time set for receipt of Bids. The receiving party shall verify that replaced or withdrawn Bids are removed from the other submitted Bids and not considered. Notice of submission of a replacement Bid or withdrawal of a Bid shall be worded so as not to reveal the amount of the original Bid.

§ 4.4.2 Withdrawn Bids may be resubmitted up to the date and time designated for the receipt of Bids in the same format as that established in Section 4.3, provided they fully conform with these Instructions to Bidders. Bid security shall be in an amount sufficient for the Bid as resubmitted.

§ 4.4.3 After the date and time designated for receipt of Bids, a Bidder who discovers that it made a clerical error in its Bid shall notify the Architect of such error within two days, or pursuant to a timeframe specified by the law of the jurisdiction where the Project is located, requesting withdrawal of its Bid. Upon providing evidence of such error to the reasonable satisfaction of the Architect, the Bid shall be withdrawn and not resubmitted. If a Bid is withdrawn pursuant to this Section 4.4.3, the bid security will be attended to as follows:
(State the terms and conditions, such as Bid rank, for returning or retaining the bid security.)

« »

ARTICLE 5 CONSIDERATION OF BIDS

§ 5.1 Opening of Bids

If stipulated in an advertisement or invitation to bid, or when otherwise required by law, Bids properly identified and received within the specified time limits will be publicly opened and read aloud. A summary of the Bids may be made available to Bidders.

§ 5.2 Rejection of Bids

Unless otherwise prohibited by law, the Owner shall have the right to reject any or all Bids.

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§ 5.3 Acceptance of Bid (Award)

§ 5.3.1 It is the intent of the Owner to award a Contract to the lowest responsive and responsible Bidder, provided the Bid has been submitted in accordance with the requirements of the Bidding Documents. Unless otherwise prohibited by law, the Owner shall have the right to waive informalities and irregularities in a Bid received and to accept the Bid which, in the Owner's judgment, is in the Owner's best interests.

§ 5.3.2 Unless otherwise prohibited by law, the Owner shall have the right to accept Alternates in any order or combination, unless otherwise specifically provided in the Bidding Documents, and to determine the lowest responsive and responsible Bidder on the basis of the sum of the Base Bid and Alternates accepted.

ARTICLE 6 POST-BID INFORMATION

§ 6.1 Contractor's Qualification Statement

Bidders to whom award of a Contract is under consideration shall submit to the Architect, upon request and within the timeframe specified by the Architect, a properly executed AIA Document A305™, Contractor's Qualification Statement, unless such a Statement has been previously required and submitted for this Bid.

§ 6.2 Owner's Financial Capability

A Bidder to whom award of a Contract is under consideration may request in writing, fourteen days prior to the expiration of the time for withdrawal of Bids, that the Owner furnish to the Bidder reasonable evidence that financial arrangements have been made to fulfill the Owner's obligations under the Contract. The Owner shall then furnish such reasonable evidence to the Bidder no later than seven days prior to the expiration of the time for withdrawal of Bids. Unless such reasonable evidence is furnished within the allotted time, the Bidder will not be required to execute the Agreement between the Owner and Contractor.

§ 6.3 Submittals

§ 6.3.1 After notification of selection for the award of the Contract, the Bidder shall, as soon as practicable or as stipulated in the Bidding Documents, submit in writing to the Owner through the Architect:

- **.1** a designation of the Work to be performed with the Bidder's own forces;
- **.2** names of the principal products and systems proposed for the Work and the manufacturers and suppliers of each; and
- **.3** names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for the principal portions of the Work.

§ 6.3.2 The Bidder will be required to establish to the satisfaction of the Architect and Owner the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Bidding Documents.

§ 6.3.3 Prior to the execution of the Contract, the Architect will notify the Bidder if either the Owner or Architect, after due investigation, has reasonable objection to a person or entity proposed by the Bidder. If the Owner or Architect has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, withdraw the Bid or submit an acceptable substitute person or entity. The Bidder may also submit any required adjustment in the Base Bid or Alternate Bid to account for the difference in cost occasioned by such substitution. The Owner may accept the adjusted bid price or disqualify the Bidder. In the event of either withdrawal or disqualification, bid security will not be forfeited.

§ 6.3.4 Persons and entities proposed by the Bidder and to whom the Owner and Architect have made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Owner and Architect.

ARTICLE 7 PERFORMANCE BOND AND PAYMENT BOND

§ 7.1 Bond Requirements

§ 7.1.1 If stipulated in the Bidding Documents, the Bidder shall furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder.

§ 7.1.2 If the furnishing of such bonds is stipulated in the Bidding Documents, the cost shall be included in the Bid. If the furnishing of such bonds is required after receipt of bids and before execution of the Contract, the cost of such bonds shall be added to the Bid in determining the Contract Sum.

§ 7.1.3 The Bidder shall provide surety bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

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§ 7.1.4 Unless otherwise indicated below, the Penal Sum of the Payment and Performance Bonds shall be the amount of the Contract Sum.
(If Payment or Performance Bonds are to be in an amount other than 100% of the Contract Sum, indicate the dollar amount or percentage of the Contract Sum.)

« »

§ 7.2 Time of Delivery and Form of Bonds
§ 7.2.1 The Bidder shall deliver the required bonds to the Owner not later than three days following the date of execution of the Contract. If the Work is to commence sooner in response to a letter of intent, the Bidder shall, prior to commencement of the Work, submit evidence satisfactory to the Owner that such bonds will be furnished and delivered in accordance with this Section 7.2.1.

§ 7.2.2 Unless otherwise provided, the bonds shall be written on AIA Document A312, Performance Bond and Payment Bond.

§ 7.2.3 The bonds shall be dated on or after the date of the Contract.

§ 7.2.4 The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.

ARTICLE 8 ENUMERATION OF THE PROPOSED CONTRACT DOCUMENTS
§ 8.1 Copies of the proposed Contract Documents have been made available to the Bidder and consist of the following documents:

.1 AIA Document A101™–2017, Standard Form of Agreement Between Owner and Contractor, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

« »

.2 AIA Document A101™–2017, Exhibit A, Insurance and Bonds, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

« »

.3 AIA Document A201™–2017, General Conditions of the Contract for Construction, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

« »

.4 AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:
(Insert the date of the E203-2013.)

« »

.5 Drawings

Number	Title	Date

.6 Specifications

Section	Title	Date	Pages

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.7 Addenda:

Number	Date	Pages

.8 Other Exhibits:
(Check all boxes that apply and include appropriate information identifying the exhibit where required.)

[« »] AIA Document E204™–2017, Sustainable Projects Exhibit, dated as indicated below:
(Insert the date of the E204-2017.)

« »

[« »] The Sustainability Plan:

Title	Date	Pages

[« »] Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages

.9 Other documents listed below:
(List here any additional documents that are intended to form part of the Proposed Contract Documents.)

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DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

A. Bidder: _____.

B. Project Name: Nineveh Fire Station 101.

C. Project Location: S Nineveh Road, Nineveh, Indiana 46164.

D. Owner: Nineveh Fire Protection District Board of Trustees.

E. Architect: studioAXIS.

F. Architect Project Number: 2025013.

1.2 CERTIFICATIONS AND BASE BID

A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, has carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications and all subsequent Addenda, as prepared by Axis Architecture + Interiors and Architect's consultants.

B. Bidder has visited the site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified with respect to Technical Data in such reports and drawings,

D. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the location of the Site; information and observations obtained from visits to the Site; Bidding Documents; and Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the costs, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

E. Based on the information and observation referred in Paragraph 1.2.D., above, Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) and within the times required and in accordance with the other terms and conditions of the Bidding Documents.

F. Bidder is aware of the general nature of work to be performed by others at the Site that relates to the Work as indicated in the Bidding Documents.

G. Bidder has given Architect written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Architect is acceptable to Bidder.

H. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance of the Work for which this Bid is submitted.

I. Bidder hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

1. _____ Dollars ($_____).

2. The above amount may be modified by amounts indicated by the Bidder on the attached Document 004322 "Unit Prices Form" and Document 004323 "Alternates Form
J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

1.3 BID GUARANTEE

A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars ($_____).

B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 SUBCONTRACTORS AND SUPPLIERS

A. The following companies shall execute subcontracts for the portions of the Work indicated:

1. Concrete Work: _____.

2. Masonry Work: _____.

3. Roofing Work: _____.

4. Plumbing Work: _____.

5. HVAC Work: _____.

6. Electrical Work: _____.

7. Landscape Work: _____.

1.5 TIME OF COMPLETION

A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Owner and shall fully complete the Work within 365 calendar days, comprised of 5 days of mobilization, 225 days of construction, and 1 day of moving.

1.6 ACKNOWLEDGEMENT OF ADDENDA

A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1. Addendum No. 1, dated _____.

2. Addendum No. 2, dated _____.

3. Addendum No. 3, dated _____.

4. Addendum No. 4, dated _____.

1.7 BID SUPPLEMENTS

A. The following supplements are a part of this Bid Form and are attached hereto.

1. Bid Form Supplement - Alternates.
2. Bid Form Supplement - Unit Prices.
3. Bid Form Supplement - Allowances.
4. Bid Form Supplement - Bid Bond Form (AIA Document A310-2010).
5. State Board of Account Form 96 (Latest Revision).
6. Financial Statement.
7. Non-Collusion Affidavit.
8. Indiana Public Works Law Certification.
9. Drug Testing Program Certification.
10. Legal Status of Bidder Form.
11. Corporate Authority Affidavit.
12. E-Verify Affidavit and Verification Number for Each Individual.
13. Non-Discrimination Declaration.

1.8 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Greenwood, Indiana, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

A. Respectfully submitted this _____ day of _____, 2026.

B. Submitted By:_____(Name of bidding firm or corporation).

C. Authorized Signature:_____(Handwritten signature).

D. Signed By:_____(Type or print name).

E. Title:_____(Owner/Partner/President/Vice President).

F. Witnessed By:_____(Handwritten signature).

G. Attest:_____(Handwritten signature).

H. By:_____(Type or print name).

I. Title:_____(Corporate Secretary or Assistant Secretary).

J. Street Address:_____.

K. City, State, Zip:_____.

L. Phone:_____.

M. License No.:_____.

N. Federal ID No.:_____(Affix Corporate Seal Here).

END OF DOCUMENT 004113

DOCUMENT 00 43 22 - UNIT PRICES FORM

1.1 BID INFORMATION

A. Bidder: _____.

B. Project Name: Nineveh Fire Station 101.

C. Project Location: S Nineveh Road, Nineveh, Indiana 46164.

D. Owner: Nineveh Fire Protection District Board of Trustees.

E. Architect: studioAXIS.

F. Architect Project Number: 2025013.

1.2 BID FORM SUPPLEMENT

A. This form is required to be attached to the Bid Form.

B. The undersigned Bidder proposes the amounts below be added to or deducted from the Contract Sum on performance and measurement of the individual items of Work and for adjustment of the quantity given in the Unit-Price Allowance for the actual measurement of individual items of the Work.

C. If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

1.3 UNIT PRICES

A. Unit-Price No. 1: Removal of unsatisfactory soil.

1. _____ dollars ($_____) per unit.

B. Unit-Price No. 2: Installation of #2 stone.

1. _____ dollars ($_____) per unit.

C. Unit-Price No. 3: Installation of #53 stone.

1. _____ dollars ($_____) per unit.

D. Unit-Price No. 4: Cost for Compacted Granular Fill/Cubic Yard

1. _____ dollars ($_____) per unit.

E. Unit-Price No. 5: Installation of permeable concrete pavers, in parking areas.

1. _____ dollars ($_____) per unit.

F. Unit-Price No. 6: Installation of asphalt paving, heavy duty in drive areas.

1. _____ dollars ($_____) per unit.

G. Unit-Price No. 7: Installation of concrete paving, heavy duty in drive areas.

1. _____ dollars ($_____) per unit.

H. Unit-Price No. 8: Installation of 8-inch water main pipe.

1. _____ dollars ($_____) per unit.

I. Unit-Price No. 9: Installation of 6-inch sanitary sewer lateral pipe.

1. _____ dollars ($_____) per unit.

J. Unit-Price No. 10: Installation of sanitary sewer cleanout.

1. _____ dollars ($_____) per unit.

K. Unit-Price No. 11: Installation of 12-inch storm sewer pipe.

1. _____ dollars ($_____) per unit.

1.4 SUBMISSION OF BID SUPPLEMENT

A. Respectfully submitted this ____ day of _____, 2026.

B. Submitted By:_____(Insert name of bidding firm or corporation).

C. Authorized Signature:_____(Handwritten signature).

D. Signed By:_____(Type or print name).

E. Title:_____(Owner/Partner/President/Vice President).

END OF DOCUMENT 004322

DOCUMENT 004323 - ALTERNATES FORM

1.1 BID INFORMATION

A. Bidder: _____.

B. Project Name: Nineveh Fire Station 101.

C. Project Location: S Nineveh Road, Nineveh, Indiana 46164.

D. Owner: Nineveh Fire Protection District Board of Trustees.

E. Architect: studioAXIS.

F. Architect Project Number: 2025013.

1.2 BID FORM SUPPLEMENT

A. This form is required to be attached to the Bid Form.

1.3 DESCRIPTION

A. The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if particular alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.

B. If the alternate does not affect the Contract Sum, the Bidder shall indicate "NO CHANGE."

C. If the alternate does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

D. The Bidder shall be responsible for determining from the Contract Documents the affects of each alternate on the Contract Time and the Contract Sum.

E. Owner reserves the right to accept or reject any alternate, in any order, and to award or amend the Contract accordingly within 60days of the Notice of Award unless otherwise indicated in the Contract Documents.

F. Acceptance or non-acceptance of any alternates by the Owner shall have no affect on the Contract Time unless the "Schedule of Alternates" Article below provides a formatted space for the adjustment of the Contract Time.

1.4 SCHEDULE OF ALTERNATES

A. Alternate #01: Fire Station Parking and Drive Pavement:
   1. ADD____ DEDUCT____ NO CHANGE____ NOT APPLICABLE____.
   2. _____ Dollars ($_____).
   3. ADD____ DEDUCT____ calendar days to adjust the Contract Time for this alternate.

B. Alternate #02: Access Drive to Northwest Neighborhood.
1. ADD____ DEDUCT____ NO CHANGE____ NOT APPLICABLE____.
2. _____ Dollars ($_____).
3. ADD____ DEDUCT____ calendar days to adjust the Contract Time for this alternate.

C. Alternate #03: Power for Electrical Gate at Northwest Access Drive.
1. ADD____ DEDUCT____ NO CHANGE____ NOT APPLICABLE____.
2. _____ Dollars ($_____).
3. ADD____ DEDUCT____ calendar days to adjust the Contract Time for this alternate.

D. Alternate #04: Fourth Apparatus Bay.
1. ADD____ DEDUCT____ NO CHANGE____ NOT APPLICABLE____.
2. _____ Dollars ($_____).
3. ADD____ DEDUCT____ calendar days to adjust the Contract Time for this alternate.

E. Alternate #05: Metal Roof.
1. ADD____ DEDUCT____ NO CHANGE____ NOT APPLICABLE____.
2. _____ Dollars ($_____).
3. ADD____ DEDUCT____ calendar days to adjust the Contract Time for this alternate.

F. Alternate #06: Epoxy Flooring.
1. ADD____ DEDUCT____ NO CHANGE____ NOT APPLICABLE____.
2. _____ Dollars ($_____).
3. ADD____ DEDUCT____ calendar days to adjust the Contract Time for this alternate.

1.5 SUBMISSION OF BID SUPPLEMENT

A. Respectfully submitted this ____ day of _____, 2026.

B. Submitted By:_____(Insert name of bidding firm or corporation).

C. Authorized Signature:_____(Handwritten signature).

D. Signed By:_____(Type or print name).

E. Title:_____(Owner/Partner/President/Vice President).

END OF DOCUMENT 004323

SECTION 00 43 75 – SCHEDULE OF SUBCONTRACTORS AND SUPPLIERS & MANUFACTURERS

PART 1 - GENERAL

1.1 DESCRIPTION

A. The Architect shall request selected Bidders to furnish, within 24 hours after receipt of Bids, one PDF format copy of the attached Schedule of Materials and Sub-contractors via email.

B. The Owner and Architect shall have the right to choose the Manufacturer for any particular item where the bidder either fails to list a Manufacturer or lists more than one for the item in question.

C. It is intended that this list will show manufacturer and/or supplier of all major items of work that will be subcontracted and to whom.

D. After submission of this list by the Bidder and after approval of same by the Architect, it shall not be changed unless written approval of said change is authorized by the Architect, and unless said change is beneficial to the Owner.

E. The Architect reserves the right to reject any submission of materials, or manufacturer that does not, in their opinion, meet the requirements of the drawings and specifications unless such materials, work or subcontract was requested by Bidder prior to Bidding and approved by Addendum.

F. Submission does not constitute approval. Materials and Manufacturers are subject to provisions of General Conditions and must be formally approved by Architect.

THIS BID IS FROM THE FOLLOWING CONTRACTOR:

DESCRIPTION	**SUBCONTRACTOR AND/OR SUPPLIER**	**PRODUCT AND/OR MANUFACTURER**
Concrete Work	_____	_____
Polished Concrete	_____	_____
Unit Masonry	_____	_____
Metal Fabrications	_____	_____
Misc. Rough Carpentry	_____	_____
Exterior Rough Carpentry	_____	_____
Sheathing	_____	_____
Plastic Laminate Cabinets	_____	_____
Wood Stairs	_____	_____
Thermal Insulation	_____	_____
Continuous Insulation		
Wall Panels	_____	_____
Fluid-Applied Air Barriers	_____	_____
Asphalt Shingles	_____	_____
Formed Metal Wall Panels	_____	_____
Standing Seam Metal Roofing	_____	_____
Sheet Metal Flashing & Trim	_____	_____
Roof Specialties	_____	_____
Snow Guards	_____	_____
Joint Sealants	_____	_____
Hollow Metal Frames	_____	_____
Flush Wood Doors	_____	_____
Sectional Doors	_____	_____
Aluminum Storefronts	_____	_____
Wood Windows	_____	_____
Door Hardware	_____	_____

DESCRIPTION	SUBCONTRACTOR AND/OR SUPPLIER	PRODUCTS AND/OR MANUFACTURER
Glazing	_____	_____
Mirrors	_____	_____
Gypsum Board	_____	_____
Ceramic Tiling	_____	_____
Acoustical Panel Ceilings	_____	_____
Resilient Base & Accessories	_____	_____
Epoxy Resinous Flooring	_____	_____
Tile Carpeting	_____	_____
Painting	_____	_____
Prefabricated Aluminum Canopies	_____	_____
Dimensional Letter Signage	_____	_____
Fire Extinguishers	_____	_____
Flagpoles	_____	_____
Toilet Accessories	_____	_____
Roller Window Shades	_____	_____
Solid Surfacing Countertops	_____	_____
Plumbing	_____	_____
HVAC	_____	_____
Split Systems	_____	_____
Testing and Balancing	_____	_____
Electrical	_____	_____
Panelboards	_____	_____
Earthwork	_____	_____
Landscaping	_____	_____

END OF SECTION 00 43 75

DOCUMENT 00 90 60 – NON-DISCRIMINATION STATEMENT

A. Contractor, Subcontractor or Bidder (hereinafter "Contractor" hereby agrees to comply with all applicable Federal, State and local laws, rules and regulations.

B. Further Contractor agrees pursuant to Ind. Code § 5-16-6-1:

(a) That in the hiring of employees for the performance of work under this contract or any subcontract hereunder, no contractor, or subcontractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, religion, color, sex, national origin or ancestry, discriminate against any citizen of the state of Indiana who is qualified and available to perform the work to which the employment relates;
(b) That no contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, religion, color, sex, national origin or ancestry;
(c) That there may be deducted from the amount payable to the contractor by the state of Indiana or by any municipal corporation thereof, under this contract, a penalty of five dollars ($5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the contract; and
(d) That this contract may be cancelled or terminated by the state of Indiana or by any municipal corporation thereof, and all money due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this section of the contract.

_____
Signature

_____
Printed Name and Title

_____
Company Name

STATE OF _____)
)
COUNTY OF _____)

Before me, a Notary Public in and for said County and State, personally appeared _____, who, having been first duly sworn upon his/her oath, stated that the material and facts contained therein are true. Witness my hand and Notarial Seal this _____ day of _____, 2026._____.
My Commission Expires: _____, Notary Public
_____, 20___.
Resident of _____ County

END OF DOCUMENT 009000

SECTION 102600 - WALL AND DOOR PROTECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Corner guards

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.
   1. Include construction details, material descriptions, impact strength, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: For each type of wall protection showing locations and extent.
   1. Include plans, elevations, sections, and attachment details.

C. Samples for Initial Selection: For each type of impact-resistant wall-protection unit indicated, in each color and texture specified.
   1. Include Samples of accent strips and accessories to verify color selection.

1.4 INFORMATIONAL SUBMITTALS

A. Material Certificates: For each type of exposed plastic material.

B. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of wall and door protection product to include in maintenance manuals.
   1. Include recommended methods and frequency of maintenance for maintaining best condition of plastic covers under anticipated traffic and use conditions. Include precautions against using cleaning materials and methods that may be detrimental to finishes and performance.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run**,** that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Corner-Guard Covers: Full-size plastic covers of maximum length equal to 2 of each type, color, and texture of cover installed, but no fewer than two, 48-inch- (1200-mm-)long units.

2. Mounting and Accessory Components: Amounts proportional to the quantities of extra materials. Package mounting and accessory components with each extra material.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store wall and door protection in original undamaged packages and containers inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
   1. Maintain room temperature within storage area at not less than 70 deg F (21 deg C) during the period plastic materials are stored.
   2. Keep plastic materials out of direct sunlight.
      a. Store corner-guard covers in a vertical position.

1.8 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of wall- and door-protection units that fail in materials or workmanship within specified warranty period.
   1. Failures include, but are not limited to, the following:
      a. Structural failures including detachment of components from each other or from the substrates, delamination, and permanent deformation beyond normal use.
      b. Deterioration of metals, metal finishes, plastics, and other materials beyond normal use.
   2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain wall- and door-protection products of each type from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Surface Burning Characteristics: Comply with ASTM E84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
   1. Flame-Spread Index: 25 or less.
   2. Smoke-Developed Index: 450 or less.

B. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1.

2.3 CORNER GUARDS

A. Surface-Mounted, Stainless-Steel Corner Guards: Manufacturer's standard; including mounting hardware; fabricated with 90- or 135-degree turn to match wall condition.

B. Manufacturers: Basis of Design to be as noted on Construction Specialties, Inc. Subject to compliance with requirements, provide products by one of the following:

1. Construction Specialties, Inc.
2. J. L. Industries, Inc.; Activar Construction Products Group, Inc.
3. Koroseal Interior Products, LLC.
4. Nystrom, Inc.
5. Tepromark Architectural Products, LLC.
6. WallGuard.com.
7. Wallprotex.
8. inpro Corporation.

C. Cover: Extruded stainless-steel, in various dimensions and profiles indicated on Interior Drawing Sheets. Drawings.

D. Profile: As indicated on the drawings.

E. Height: As indicated on the drawings.

F. Color and Texture: As selected by Architect from manufacturer's full range.

2.4 MATERIALS

A. Plastic Materials: Chemical- and stain-resistant, high-impact-resistant plastic with integral color throughout; extruded and sheet material as required, thickness as indicated.

B. Fasteners: Aluminum, nonmagnetic stainless-steel, or other noncorrosive metal screws, bolts, and other fasteners compatible with items being fastened. Use security-type fasteners where exposed to view.

2.5 FABRICATION

A. Fabricate wall and door protection according to requirements indicated for design, performance, dimensions, and member sizes, including thicknesses of components.

B. Factory Assembly: Assemble components in factory to greatest extent possible to minimize field assembly. Disassemble only as necessary for shipping and handling.

C. Quality: Fabricate components with uniformly tight seams and joints and with exposed edges rolled. Provide surfaces free of wrinkles, chips, dents, uneven coloration, and other imperfections. Fabricate members and fittings to produce flush, smooth, and rigid hairline joints.

2.6 FINISHES

A. Protect finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and wall areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Examine walls to which wall and door protection will be attached for blocking, grounds, and other solid backing that have been installed in the locations required for secure attachment of support fasteners.
   1. For wall and door protection attached with adhesive, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Complete finishing operations, including painting, before installing wall and door protection.

B. Before installation, clean substrate to remove dust, debris, and loose particles.

3.3 INSTALLATION

A. Installation Quality: Install wall and door protection according to manufacturer's written instructions, level, plumb, and true to line without distortions. Do not use materials with chips, cracks, voids, stains, or other defects that might be visible in the finished Work.

B. Mounting Heights: Install wall and door protection in locations and at mounting heights indicated on Drawings.

C. Accessories: Provide splices, mounting hardware, anchors, trim, joint moldings, and other accessories required for a complete installation.
   1. Provide anchoring devices and suitable locations to withstand imposed loads.
   2. Where splices occur in horizontal runs of more than 20 feet (6.1 m), splice aluminum retainers and plastic covers at different locations along the run, but no closer than 12 inches (305 mm) apart.
   3. Adjust end and top caps as required to ensure tight seams.

3.4 CLEANING

A. Immediately after completion of installation, clean plastic covers and accessories using a standard ammonia-based household cleaning agent.

B. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

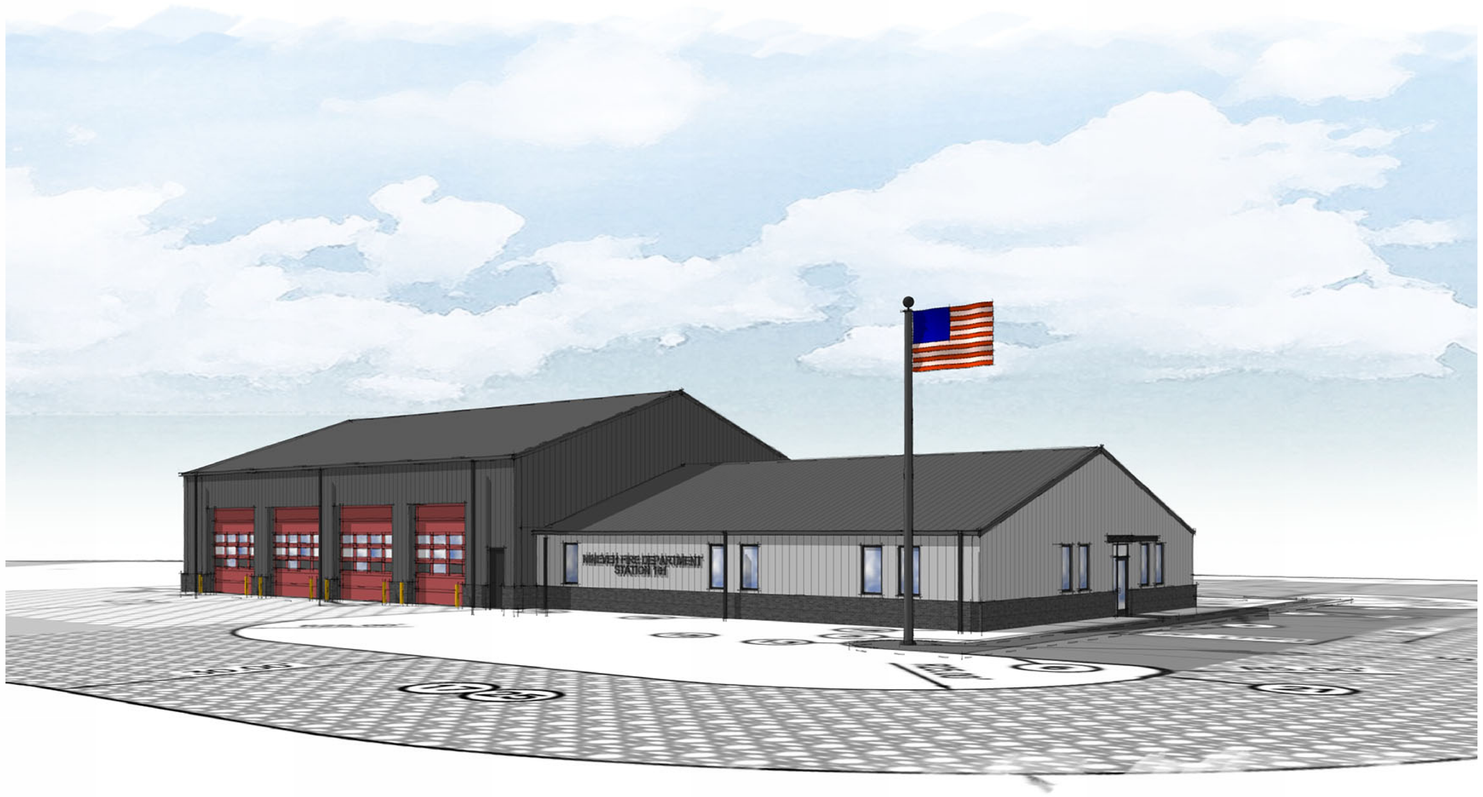
END OF SECTION 102600

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	JUNE 04, 2026 - ADDENDUM NO. 1	
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	●	●	
C8.03	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-101A	FIRST FLOOR CONSTRUCTION PLAN - ALTERNATE #04	●	●	
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-311	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-610	MILLWORK SECTIONS		●	
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	●	●	

DWG #	DRAWING NAME	MAY 14, 2026 - BID AND PERMIT SET	JUNE 04, 2026 - ADDENDUM NO. 1	
MECHANICAL				
M-000	MECHANICAL SYMBOLS, LEGENDS & ABBREVIATIONS	●		
H-101	FIRST FLOOR HVAC PLAN	●	●	
H-102	MEZZANINE FLOOR PLAND AND LOW ROOF HVAC PLAN	●	●	
H-103	ROOF HVAC PLAN	●	●	
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-601	HVAC DETAILS	●		
PLUMBING				
P-100	UNDER FLOOR PLUMBING PLAN	●		
P-101	FIRST FLOOR PLUMBING PLAN	●		
P-102	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

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Kevin Cooper, Partner in Charge
Ashley Thornberry, Project Manager
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PH 317 264-8162

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HWC ENGINEERING
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PROJECT CONTACTS

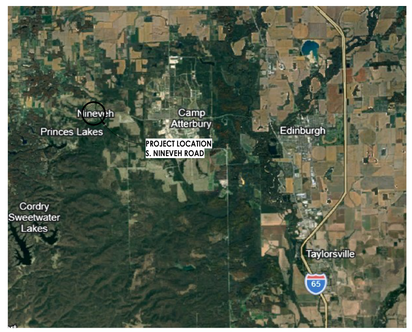
OWNER
NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES
Fire Chief Joshua Synder
844 E. 775 S
Nineveh, Indiana 46164

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 POWER FOR AN OWNER-PROVIDED 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.

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+1 (317) 264-8162
WWW.STUDIOAXIS.COM

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

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

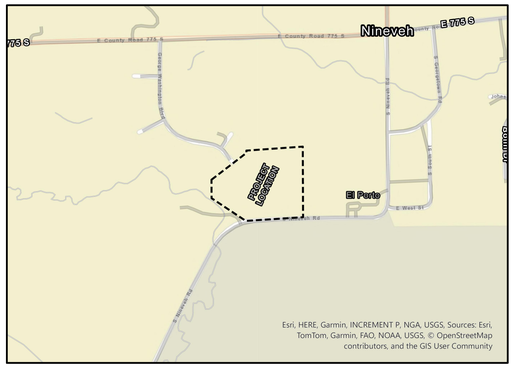
COVER SHEET

G-001

Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101_R25_v26.rvt
6/4/2026 9:17:47 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

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:

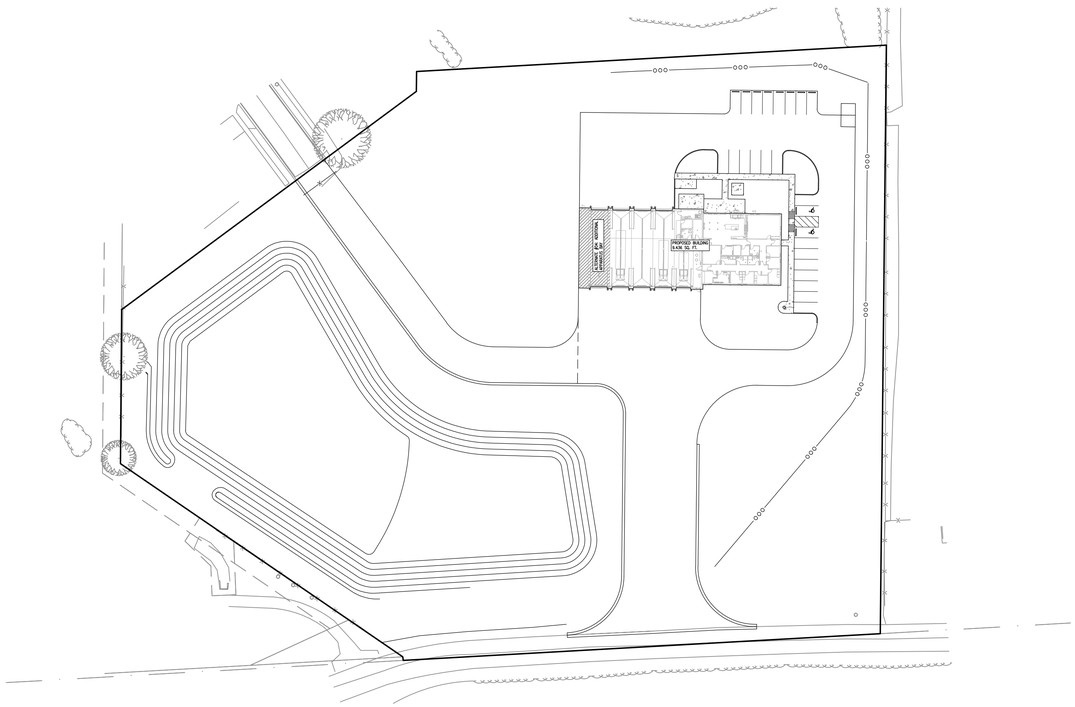
ORIGINATING BENCHMARK:
ELEVATION DATA IS BASED UPON CONTROL ORIGINATING FROM GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS PROCESSED UTILIZING THE NATIONAL GEODETIC SURVEY (NGS) ONLINE POSITIONING USER SERVICE (OPUS), AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TEMPORARY 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]

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

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

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-C8.03	STORMWATER POLLUTION PREVENTION DETAILS
C8.10 - C8.12	CONSTRUCTION DETAILS
L1.00	LANDSCAPE PLAN
L8.00	LANDSCAPE DETAILS
L8.10	LANDSCAPE SPECIFICATIONS

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

JOHNSON COUNTY CONTACT INFORMATION:

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RICHARD R. HOOVER, PE, PLANNING ENGINEER
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FRANKLIN, IN 46131
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HIGHWAY DEPARTMENT:
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1051 HOSPITAL ROAD
FRANKLIN, IN 46131
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NINEVEH TOWNSHIP FIRE DEPT.:
844 EAST 775 SOUTH
NINEVEH, IN 46164
CONTACT: (317) 933-2567

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

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

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

NATURAL GAS:
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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
06/04/26	ADDENDUM NO. 1	AKM/DW

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

© 2026

Plot Date: Jun 04, 2026 Plot Time: 10:54am 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 OF 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.

EARTHWORK NOTES:

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 GEOTECHNICAL 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:

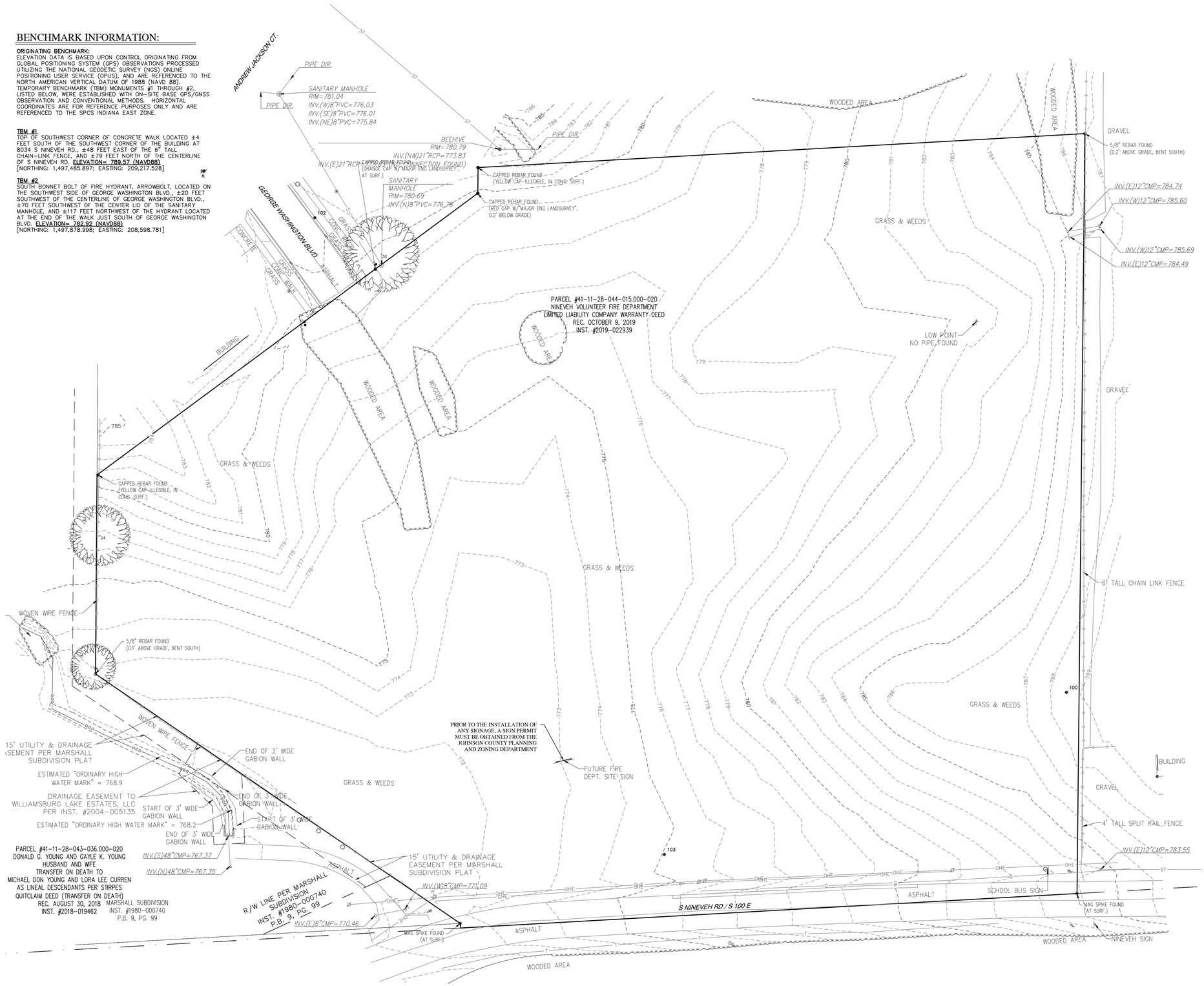
1. ALL WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH WATER MAIN SPECIFICATIONS OR PRINCE'S LAKE UTILITIES TYPICAL CONSTRUCTION STANDARDS, SPECIFICATIONS AND DETAILS. AND SHALL MEET THE MINIMUM REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
2. THE CONTRACTOR SHALL FURNISH, INSTALL AND TEST ALL 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 AC

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
05/04/26	ADDENDUM NO. 1	AKM/DW

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA

EXISTING CONDITIONS

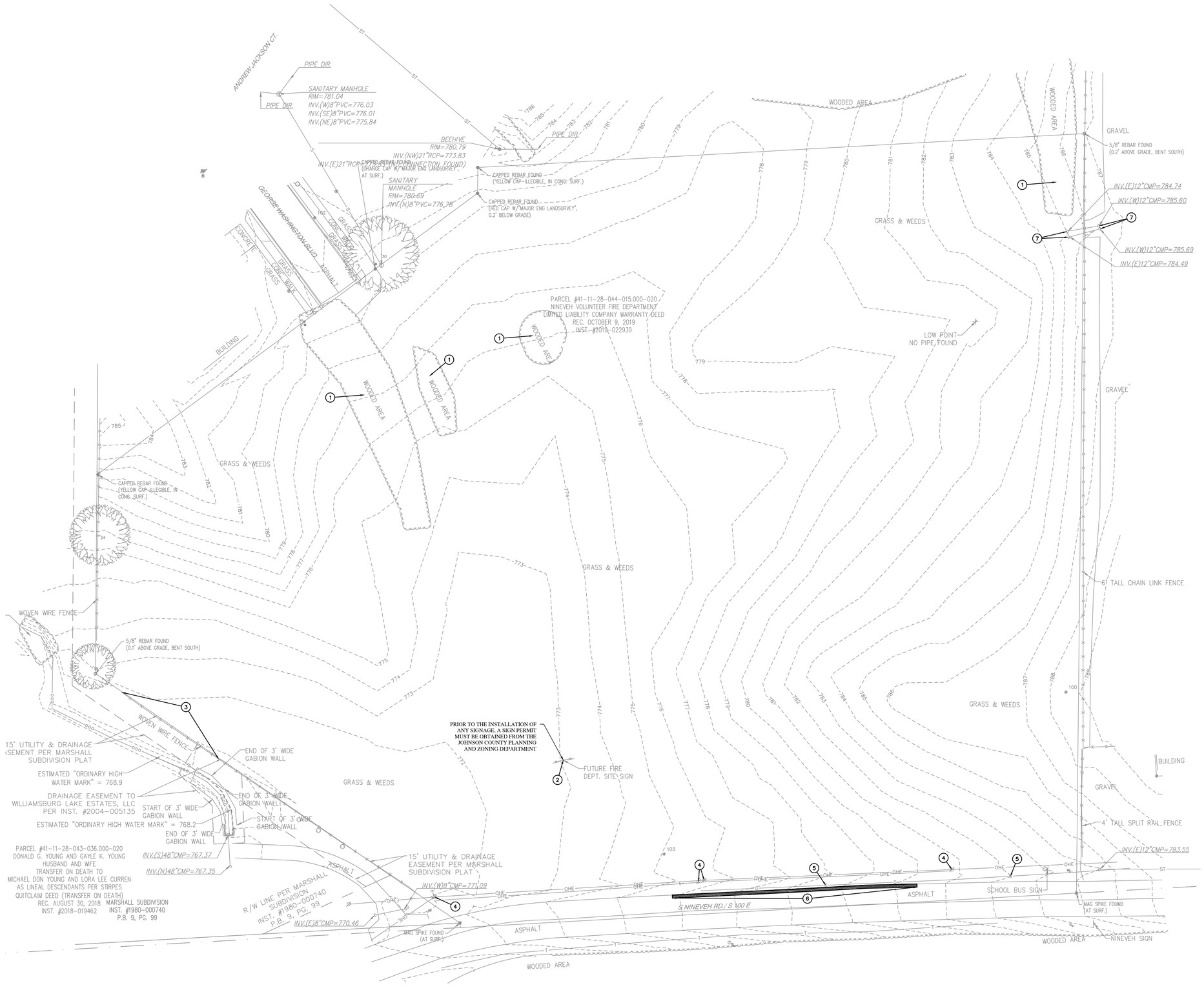
ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER

Alexander K. McDaniel

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

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Plot Date: Jun 04, 2026 Plot Time: 10:55am 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



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- 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
05/04/26	ADDENDUM NO. 1	AKM/DW

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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
DEMOLITION 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	

C0.20
DEMOLITION PLAN

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Plot Date: Jun 04, 2026 Plot Time: 10:55am 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

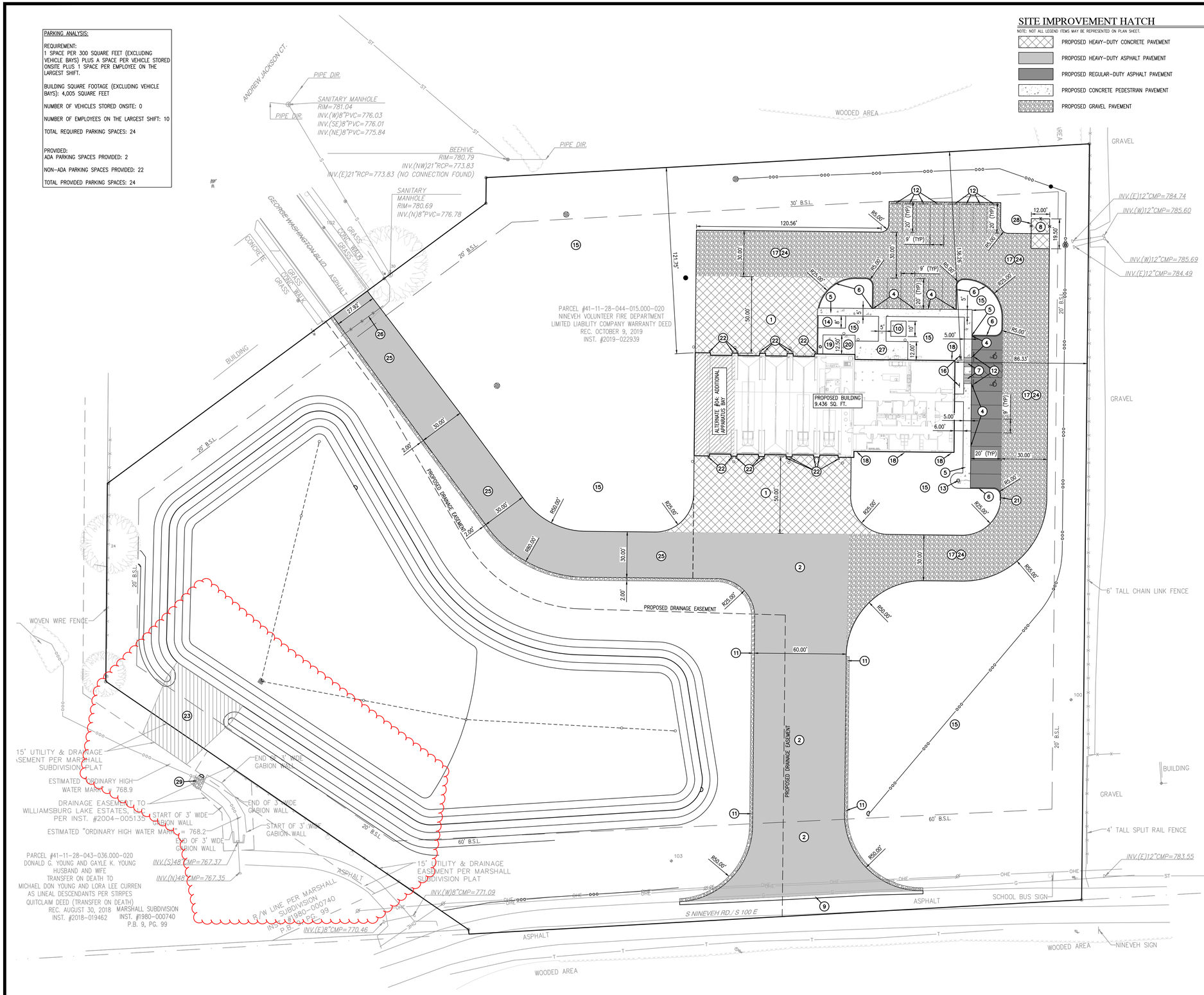
NUMBER OF EMPLOYEES ON THE LARGEST SHIFT: 10

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

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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 G)
- 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
- DATA MANHOLE
- 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)
29. PROPOSED RIP RAP. CONTRACTOR TO INSTALL RIP RAP AT PROPOSED POND OUTLET LOCATION. RIP RAP SHALL BE PLACED 8 FEET WIDE ON CENTER OF PROPOSED OUTLET PIPE AND SHALL EXTEND FROM THE BOTTOM OF THE PROPOSED HEADWALL TO THE SOUTHERN TOP OF BANK OF THE EXISTING DITCH.

REVISIONS

DATE	DESCRIPTION	BY
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HWC ENGINEERING
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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	

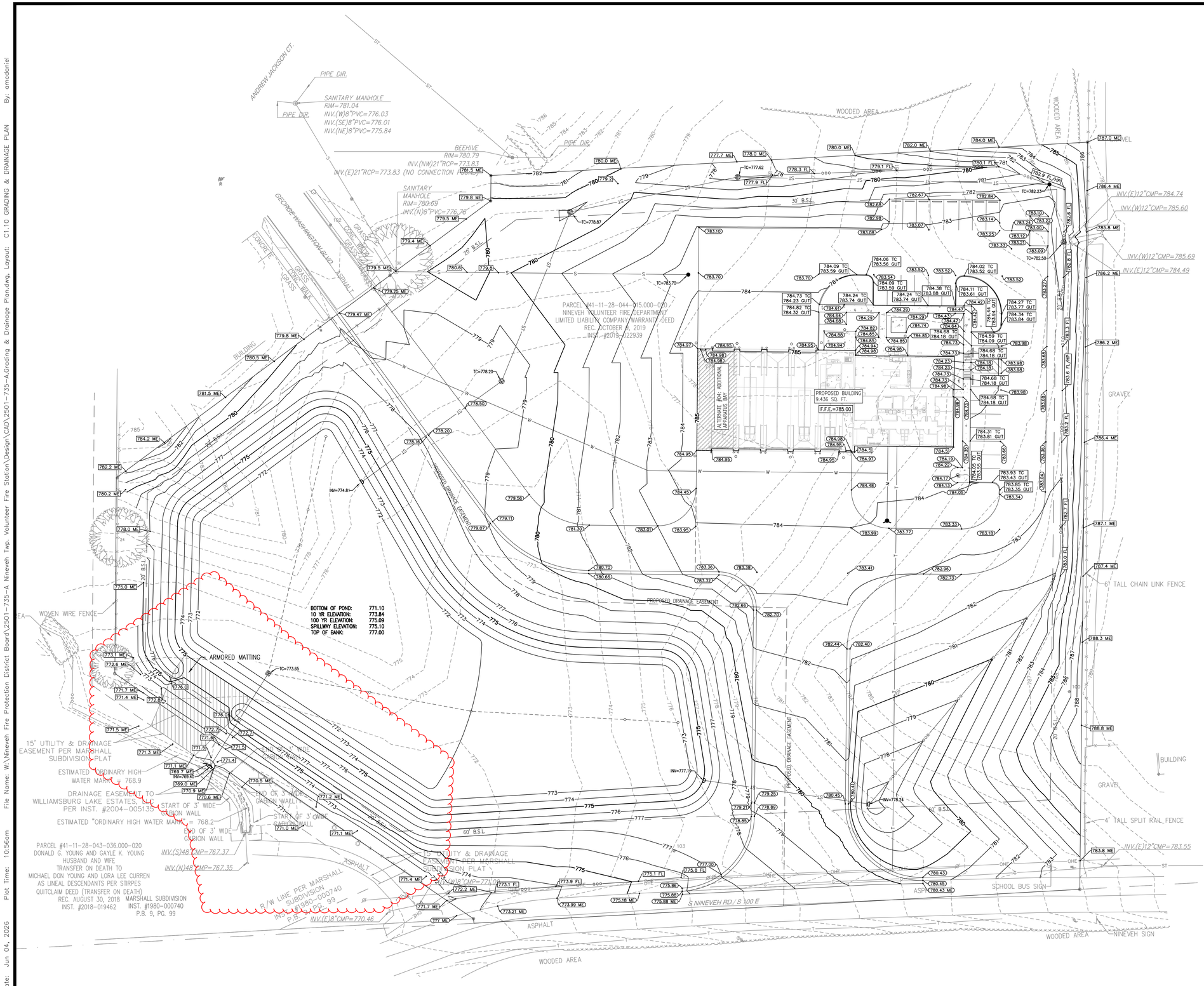
SHEET

C1.00

SITE PLAN

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Plot Date: Jun 04, 2026 Plot Time: 10:55am 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



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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 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 ø
- 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		
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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
GRADING & DRAINAGE PLAN

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

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CHECKED BY	AM
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JOB NUMBER	2501-735-A

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GRADING & DRAINAGE PLAN

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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 HEADWALL, SEE STORM PLAN & PROFILE AND CONSTRUCTION DETAILS 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.

D9. PROPOSED RIP RAP. CONTRACTOR TO INSTALL RIP RAP AT PROPOSED POND OUTLET LOCATION, RIP RAP SHALL BE PLACED 8 FEET WIDE ON CENTER OF PROPOSED OUTLET PIPE AND SHALL EXTEND FROM THE BOTTOM OF THE PROPOSED HEADWALL TO THE SOUTHERN TOP OF BANK OF THE EXISTING DITCH.

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" RECDUCER.

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.

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.

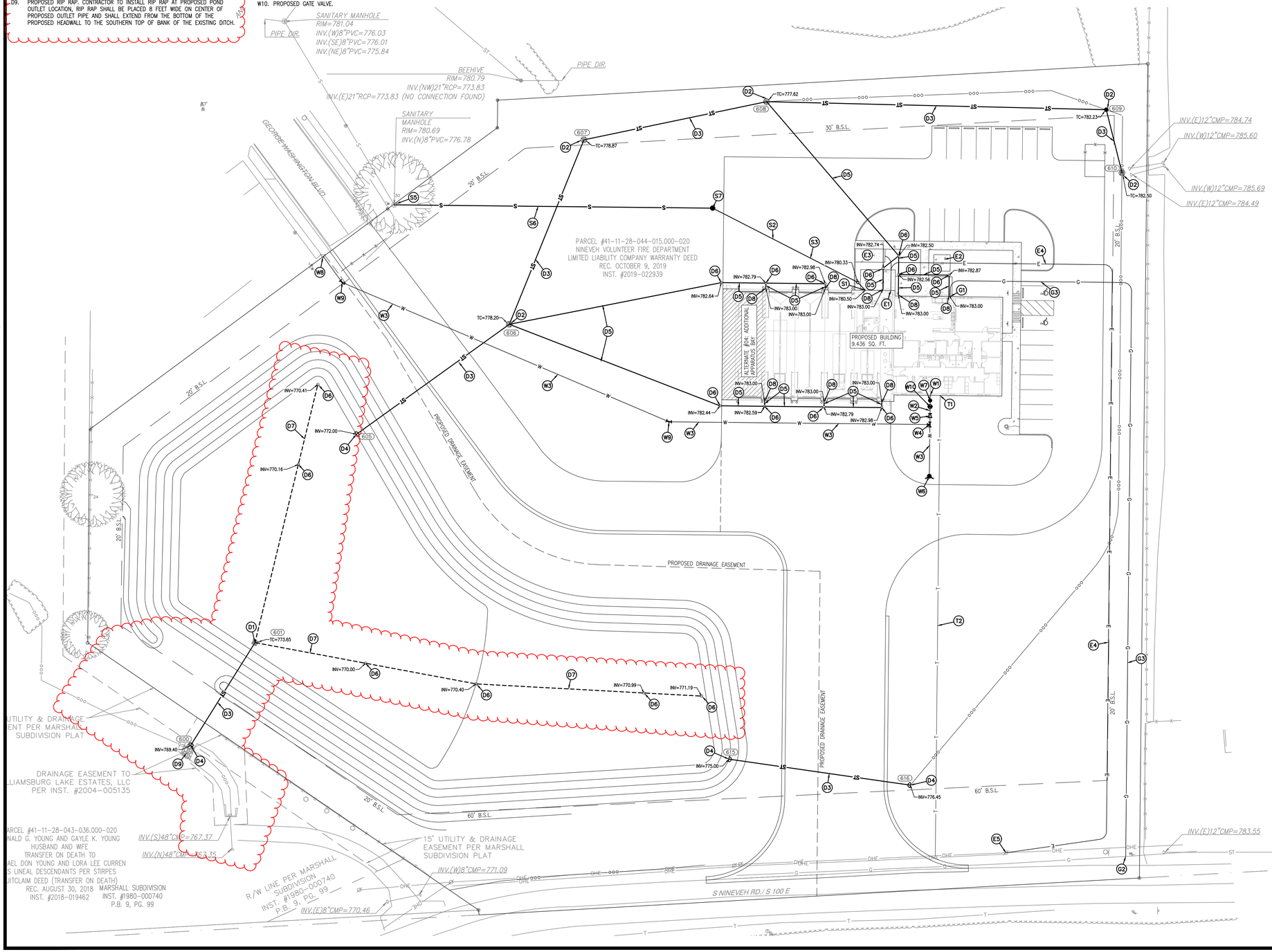
S7. PROPOSED SANITARY MANHOLE.

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.



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

STANDARD LEGEND:

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- 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 (OTTUMWA)
- FIRE HYDRANT / VALVE OR (OTTUMWA)
- WATER VALVE OR (OTTUMWA)
- UTILITY POLE
- VAULT (V)
- DATA MANHOLE (D)
- LIGHT
- SIGN

REVISIONS		
DATE	DESCRIPTION	BY
06/04/26	ADDENDUM NO. 1	AKM/DW

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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
UTILITY PLAN

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

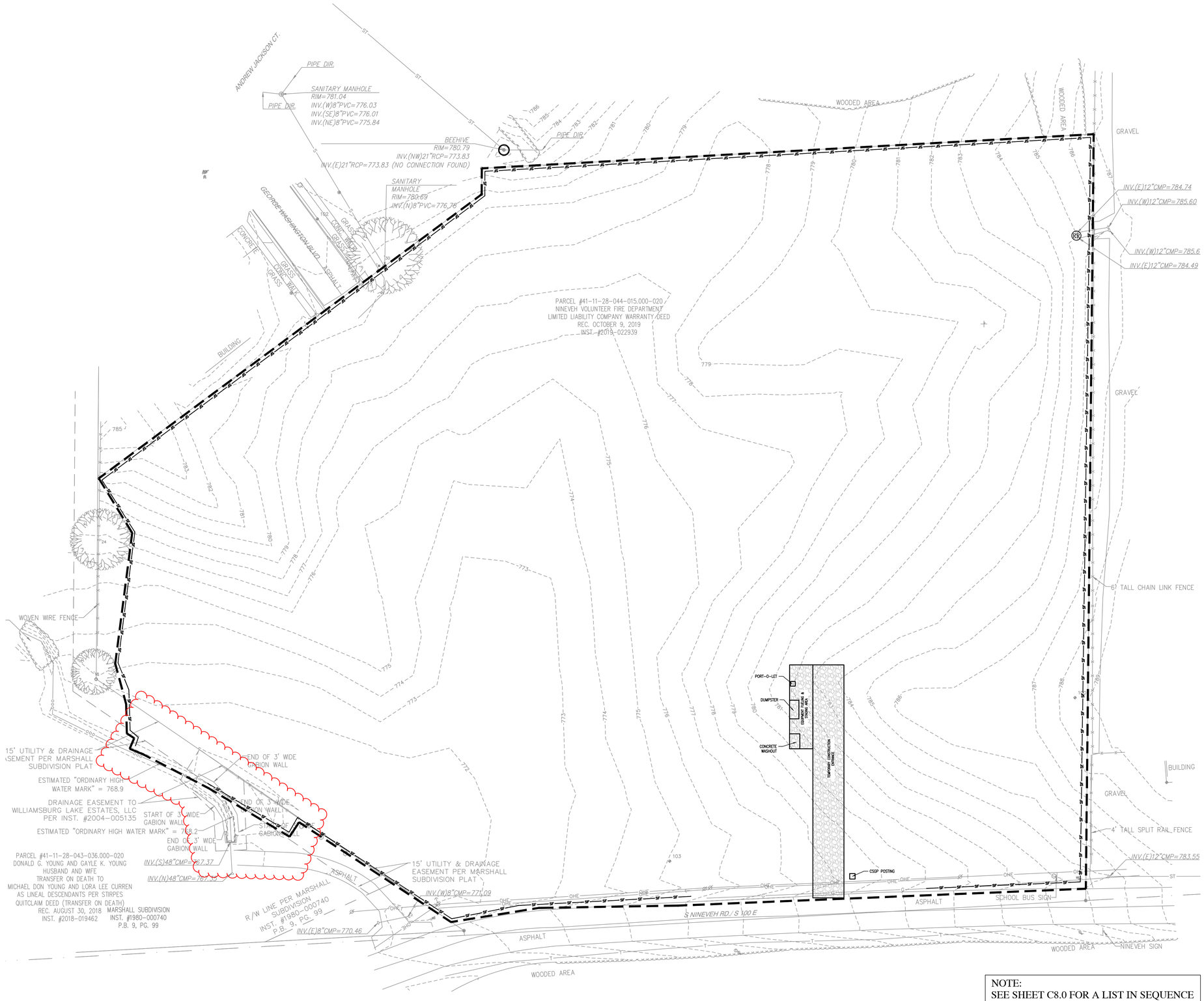
Alexander K. McDaniel

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UTILITY PLAN	

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Plot Date: Jun 04, 2026 Plot Time: 10:56am 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: C1.40 PRE-SWPP By: amcdaniel



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

THIS SHEET TO BE USED FOR EROSION CONTROL ONLY.

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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
- 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
- RISER POLE
- WATER HYDRANT
- W WATER METER
- WATER VALVE
- (D) DEED BEARING/DISTANCE
- (M) MEASURED BEARING/DISTANCE

PRE-CONST. S.W.P.P. LEGEND

- RR – RIP RAP
- HD – HORSESHOE DAM
- – TEMPORARY "DROP INLET PROTECTION BASKET"
- CURB INLET – TEMPORARY CURB INLET PROTECTION SEE SHEET C8.1 FOR DETAIL
- – SILT FENCE
- – CONSTRUCTION LIMITS

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

REVISIONS

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

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

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PRE-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

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

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- RIGHT-OF-WAY LINE
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- WATER MAIN W
- FORCE MAIN FM
- SANITARY SEWER S
- SANITARY MANHOLE (XXX)
- CLEANOUT
- STORM SEWER ST
- STORM CULVERT D ST G
- 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

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:
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PHONE: M: (812) 363-3323
E-Mail: AMCDANIEL@HWCENGINEERING.COM

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

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

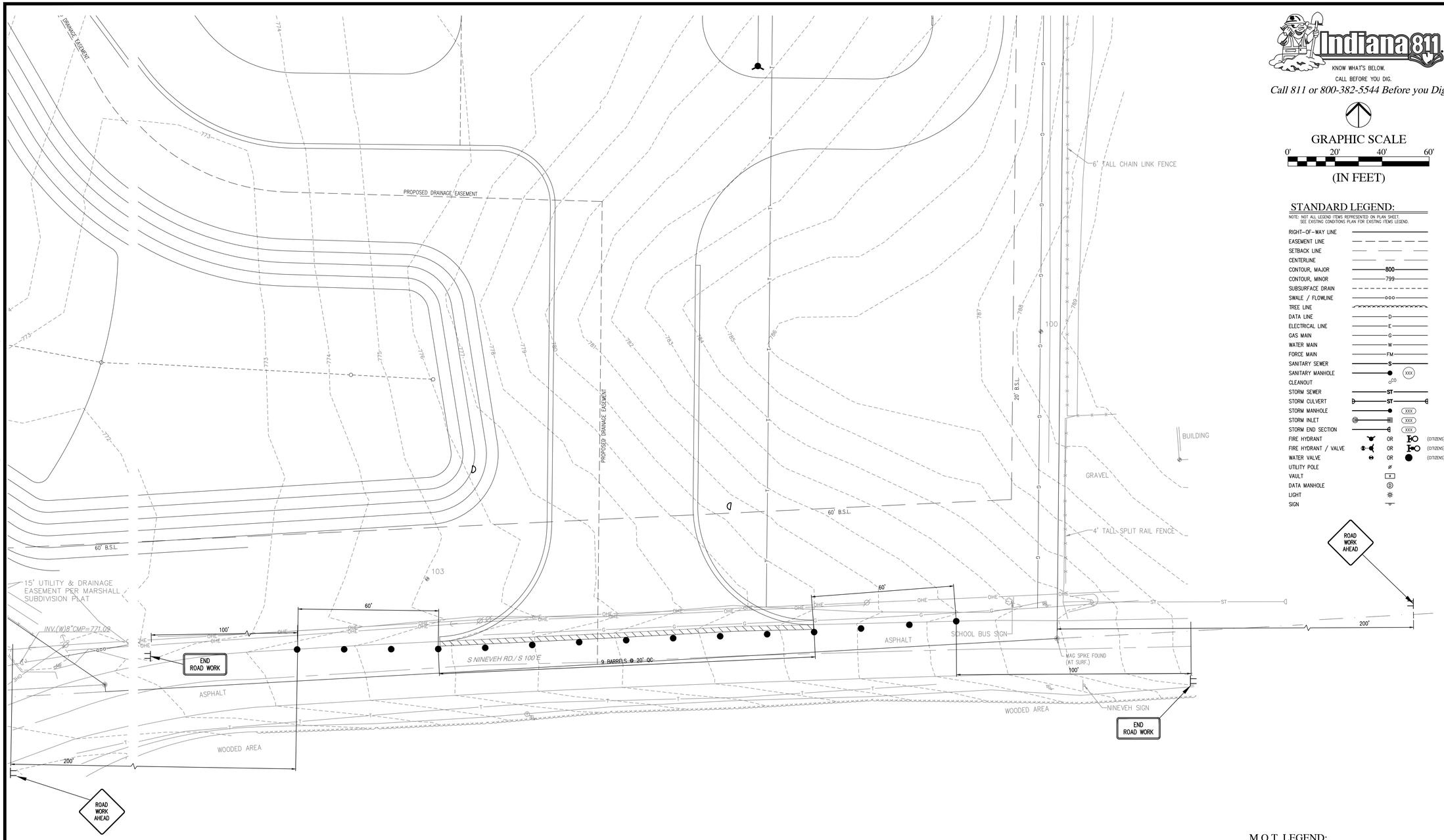
Alexander K. McDaniel

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

POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN

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Plot Date: Jun 04, 2026 Plot Time: 10:56am 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
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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 (CITIZENS)
- FIRE HYDRANT / VALVE OR (CITIZENS)
- WATER VALVE OR (CITIZENS)
- 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
06/04/26	ADDENDUM NO. 1	AKM/DW

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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
MAINTENANCE OF TRAFFIC

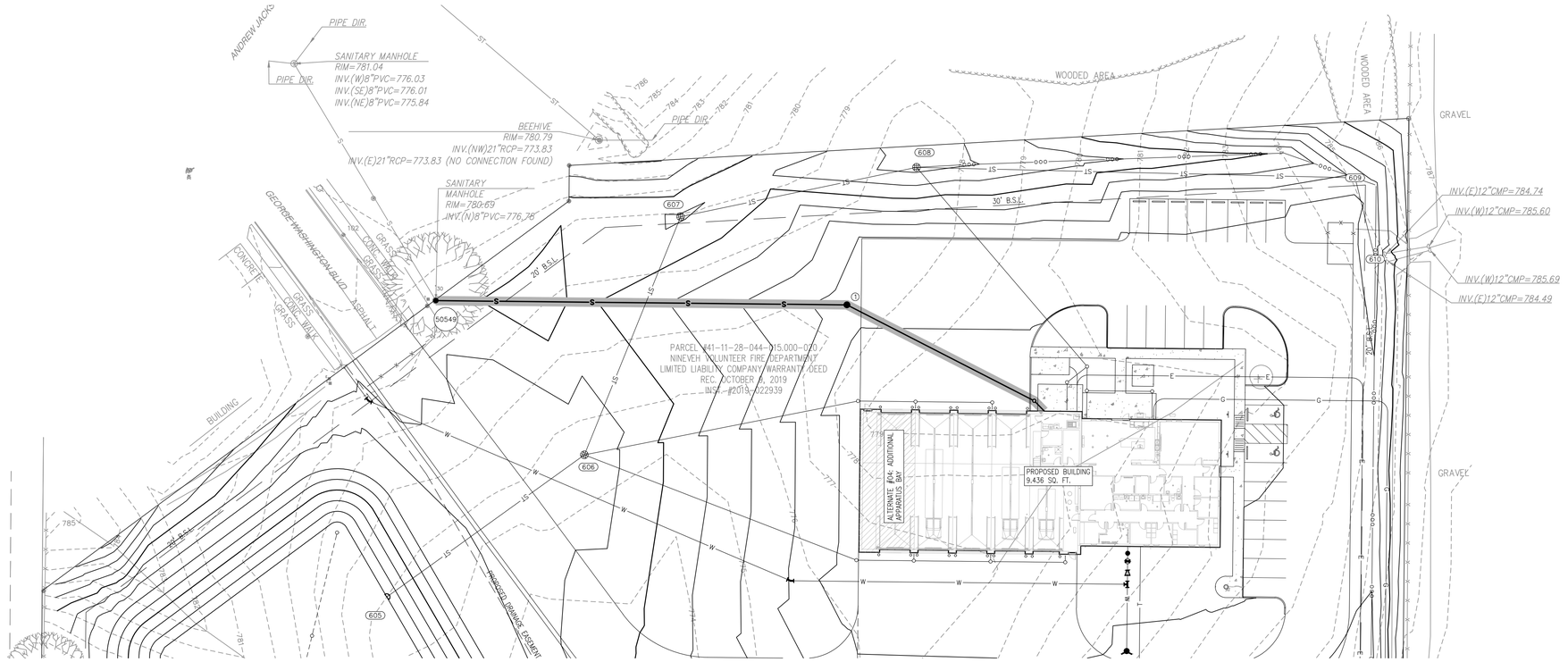
ALEXANDER K. MCDANIEL — REGISTERED — No. PE12300515 — STATE OF INDIANA — PROFESSIONAL ENGINEER
Alexander K. McDaniel

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

MAINTENANCE OF TRAFFIC

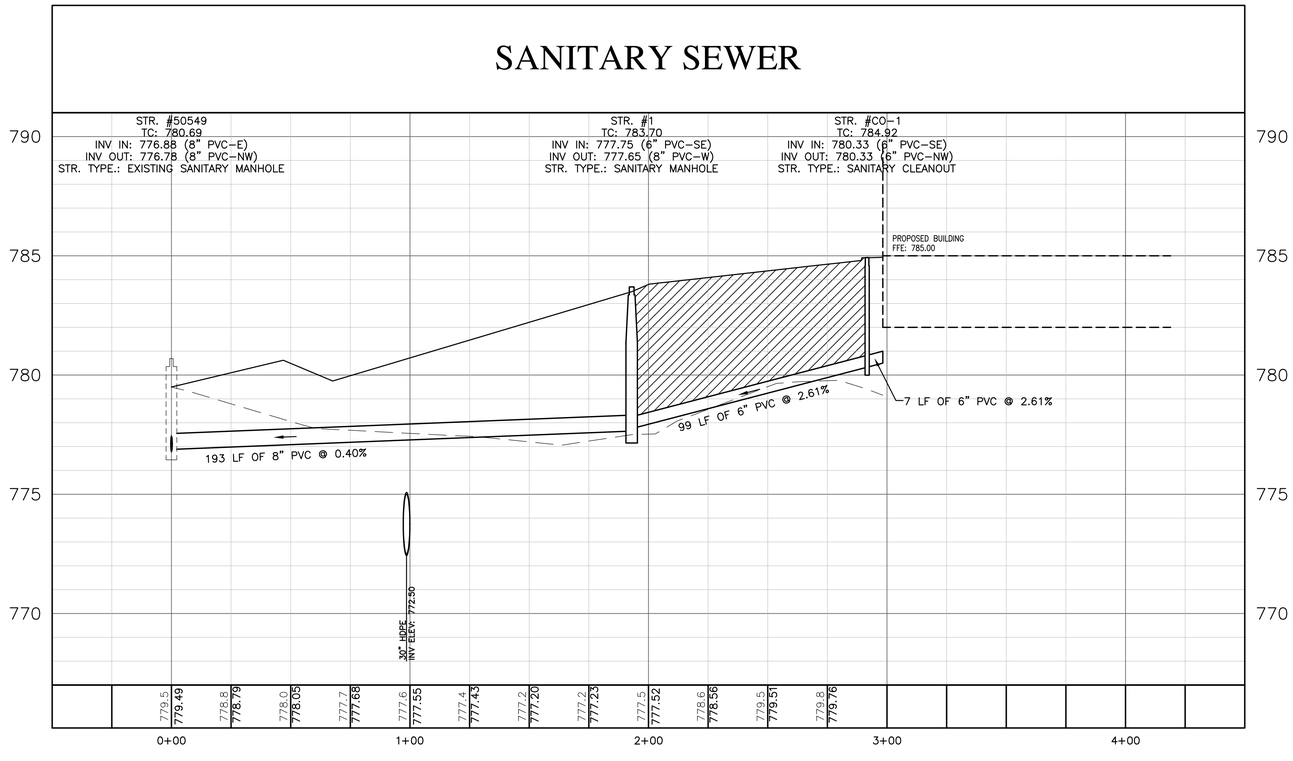
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SANITARY PROFILE

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



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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
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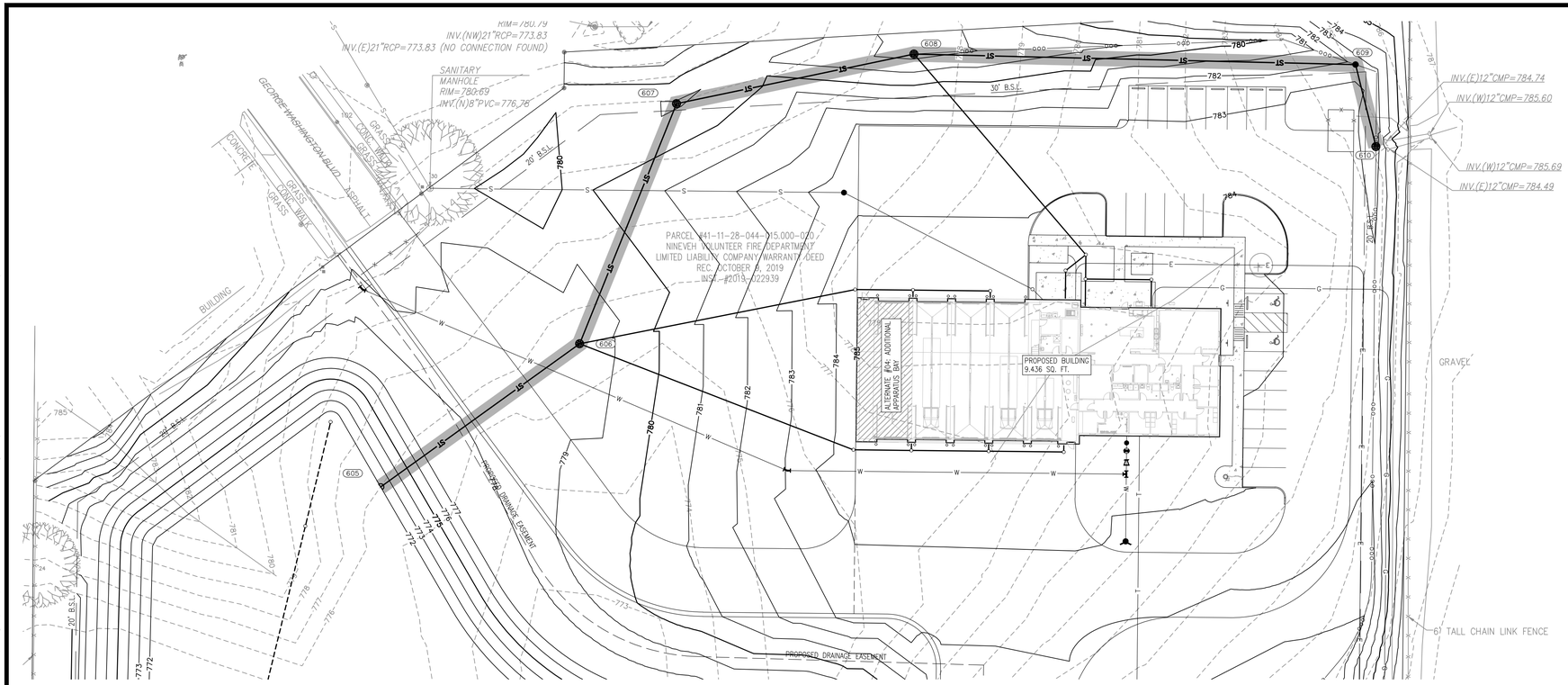
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
SANITARY PLAN & PROFILE

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

DRAWN BY	BP
CHECKED BY	AM
DATE	MAY 14, 2026
SCALE	AS SHOWN
JOB NUMBER	2501-735-A
SHEET	C4.00
	SANITARY PLAN & PROFILE

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

STORM SEWER LEGEND

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

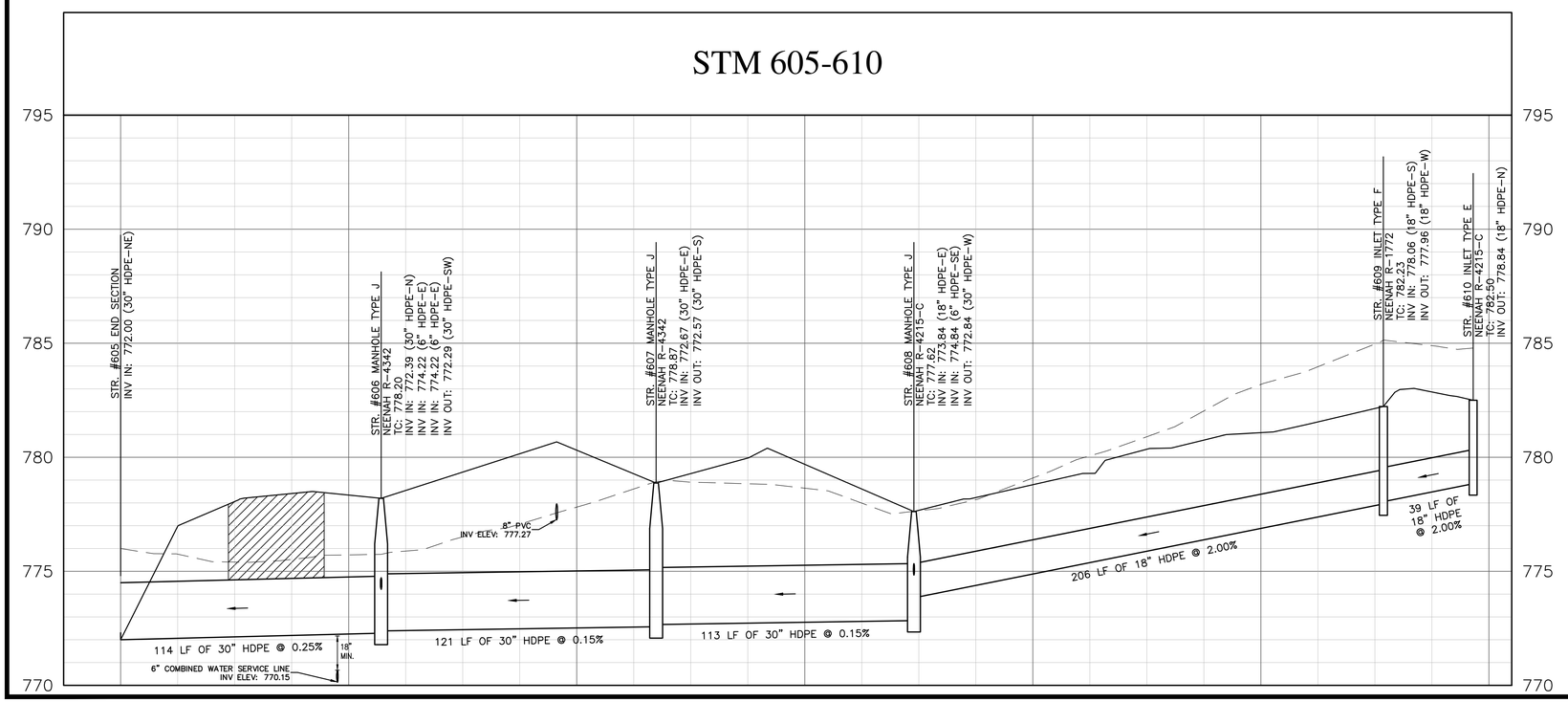
SANITARY SEWER	S
STORM SEWER	ST
STORM CULVERT	ST
SANITARY MANHOLE	XXX
STORM MANHOLE	XXX
STORM INLET	XXX
STORM END SECTION	XXX
PROFILED PIPELINE	ST
EXISTING	EX
INVERT ELEVATION	INV
MANHOLE	MH
TOP OF CASTING GRADE	TC

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 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
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
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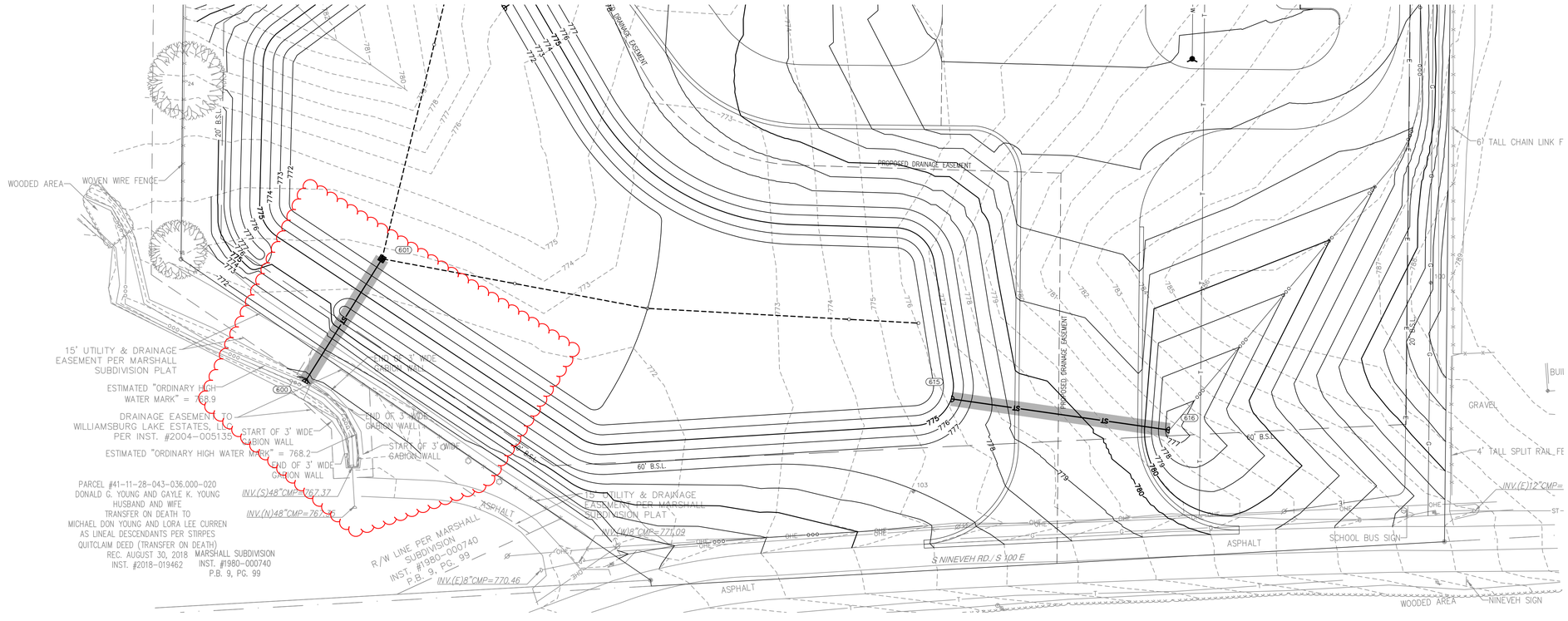
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
STORM PLAN & PROFILE

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

DRAWN BY MJ	JOB NUMBER 2501-735-A
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SCALE AS SHOWN	
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GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

STORM SEWER LEGEND

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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

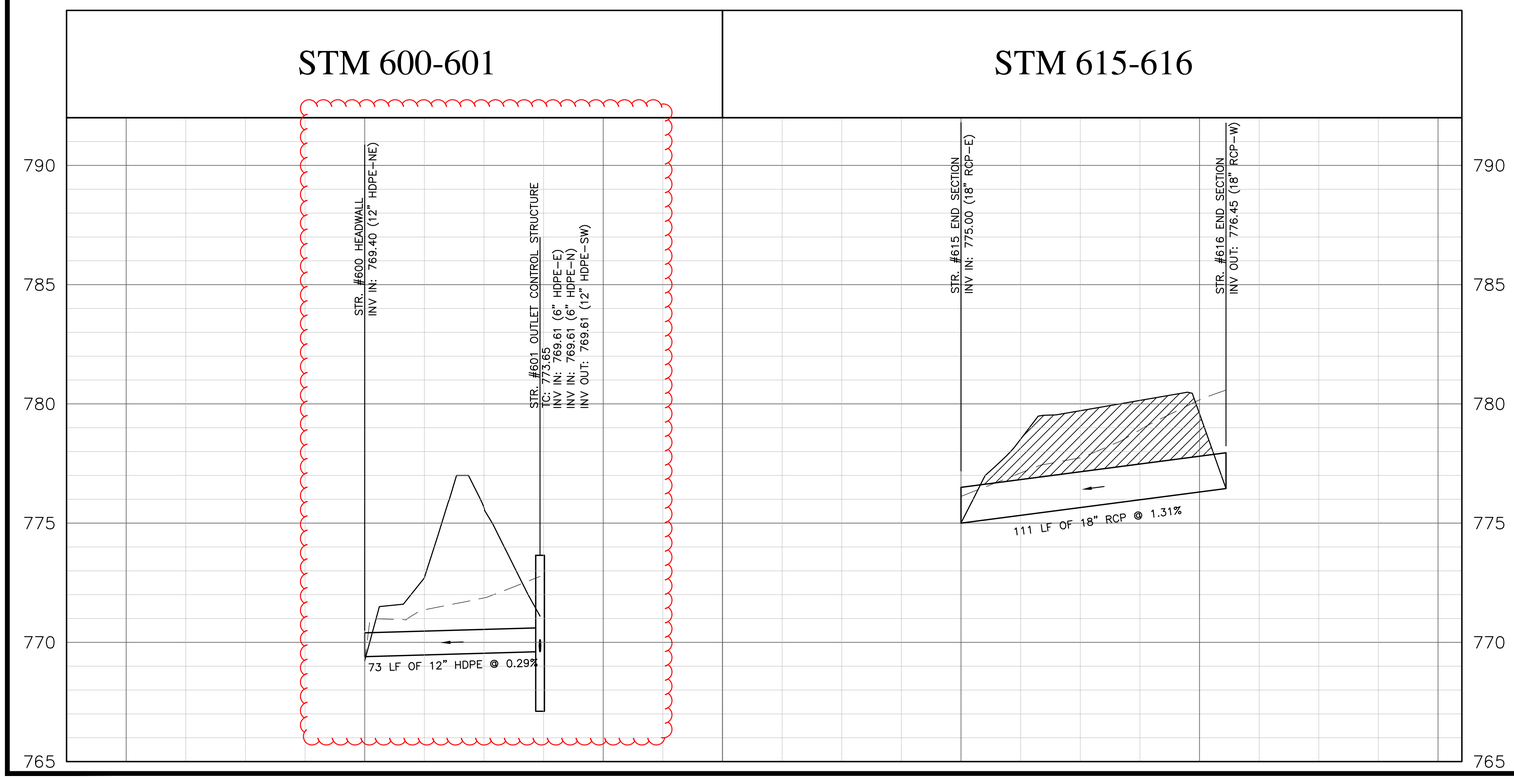
STORM SEWER GENERAL NOTES

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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	770.51	769.40 (NE)		12"		HDPE		HEADWALL
601	773.65	769.61 (E) 769.61 (N)	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
06/04/26	ADDENDUM NO. 1	AKM/DW

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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

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A1. PLAN INDEX
SEE INDEX SHEET C8.01

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
UNNAMED TRIBUTARY ALONG THE WEST PERIMETER OF THE SITE WHICH DAYLITES INTO PRINCE CREEK.

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. NONE

A20. EXISTING PERMANENT RETENTION OR DETENTION FACILITIES, INCLUDING MANMADE WETLANDS, DESIGNED FOR THE PURPOSE OF STORMWATER MANAGEMENT.
SEE SHEET C0.10. NONE

A21. LOCATIONS(S) WHERE STORMWATER MAY BE DIRECTLY DISCHARGED INTO GROUNDWATER, SUCH AS ABANDONED WELLS, SINKHOLES, OR KARST FEATURES.
NONE

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
NONE

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 AND MUST MEET WITH PLANNING & ZONING PRIOR TO ANY DEWATERING ACTIVITIES.

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 DEWATRING 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
NO INDIVIDUAL LOTS.

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.

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REVISIONS

DATE	DESCRIPTION	BY
06/04/26	ADDENDUM NO. 1	AKM/DW

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

SHEET
C8.00
STORMWATER POLLUTION PREVENTION NOTES

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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
			INCREASE APPLICATION RATES 50% FOR DORMANT SEEDING									DORMANT SEEDING
PERMANENT SEEDING DATES												
												NON-IRRIGATED
												IRRIGATED
			INCREASE APPLICATION RATES 50% FOR DORMANT SEEDING									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

CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP) STORMWATER POLLUTION PREVENTION PLAN (SWP3 OR SWPPP) INDEX

ELEMENT	PLAN SHEET	ELEMENT	PLAN SHEET	ELEMENT	PLAN SHEET
A1	C8.01	A19	C0.10	B6	C1.50 & C8.02
A2	C0.00	A20	C0.10	B7	C1.50 & C8.02
A3	N/A	A21	N/A	B8	N/A
A4	N/A	A22	C0.10	B9	N/A
A5	C0.00	A23	C1.10	B10	N/A
A6	C1.00	A24	C1.10	B11	C8.00-C8.01
A7	C0.10	A25	C1.10	B12	C1.40 & C1.50
A8	C0.10	A26	C1.00	B13	N/A
A9	C0.10	A27	C1.10	B14	N/A\
A10	C0.10	A28	C1.00-C1.20	B15	N/A
A11	N/A	A29	C1.50	C1	N/A
A12	C0.00	A30	N/A	C2	C1.50
A13	N/A	A31	C1.10	C3	C1.40 & C1.50 & C8.02
A14	N/A	B1	N/A		
A15	C0.10	B2	C1.40 & C1.50 & C8.02	C4	C1.50
A16	C0.10 & C0.20	B3	C1.50 & C8.00-C8.01		
A17	C1.10	B4	C1.50 & C8.02	C5	C1.50
A18	C1.10	B5	C1.40 & C1.50 & C8.02	C6	N/A

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

REVISIONS		
DATE	DESCRIPTION	BY
06/04/26	ADDENDUM NO. 1	AKM/DW

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	

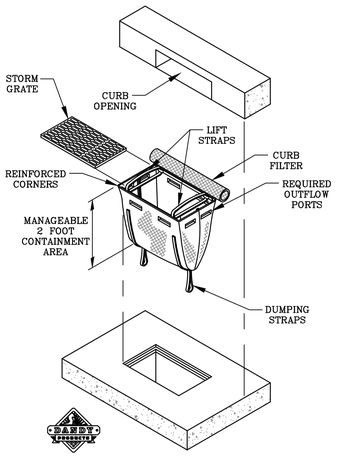
SHEET
C8.01
STORMWATER POLLUTION PREVENTION NOTES

© 2026

Plot Date: Jun 04, 2026 Plot Time: 10:58am File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-ASWPP Notes & Details.dwg Layout: C8.01 SWPP NOTES By: amcdaniel

Plot Date: Jun 04, 2026 Plot Time: 10:58am 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

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:

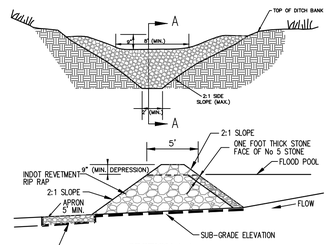
REGULAR FLOW DANDY CURB SACK™ (BLACK)

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)	2606 (600)
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 0.53 (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 Socks™ can be ordered with our optional oil absorbent pillows



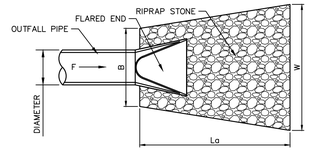
SECTION A-A

ROCK CHECK DAM

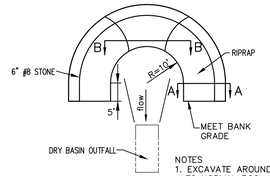
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ROCK CHECK DAM

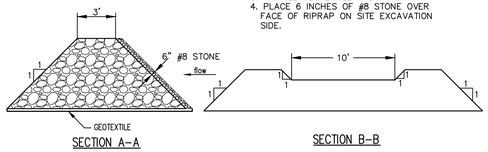
MAINTENANCE REQUIREMENTS:
- INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, INSTALL AN EROSION-RESISTANT LINER IN THAT PORTION OF THE CHANNEL.
- REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE 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"



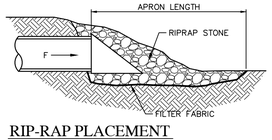
NOTES
1. EXCAVATE AROUND ROCK DAM FACE TO NORMAL POOL ELEVATION.
2. REMOVE ANY EXISTING FIELD TILE.
3. INSTALL GEOTEXTILE AND RIPRAP.
4. PLACE 6 INCHES OF #8 STONE OVER FACE OF RIPRAP ON SITE EXCAVATION SIDE.



SECTION A-A SECTION B-B

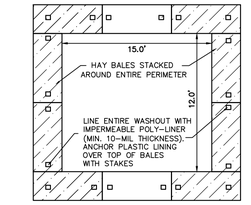
ROCK HORSESHOE DAM

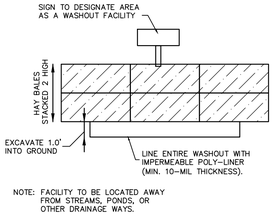
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RIP-RAP PLACEMENT

NOT TO SCALE

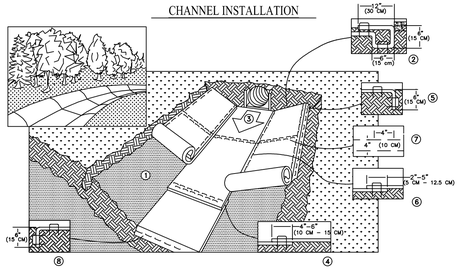




NOTE: FACILITY TO BE LOCATED AWAY FROM STREAMS, PONDS, OR OTHER DRAINAGE WAYS.

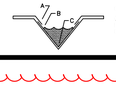
CONCRETE WASHOUT DETAIL
NOT-TO-SCALE

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 RECP'S 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 CHANNEL 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.

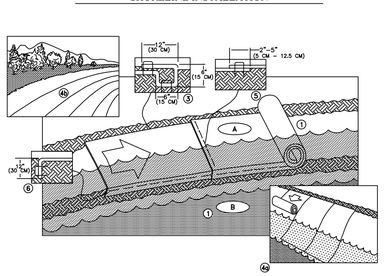


CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

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



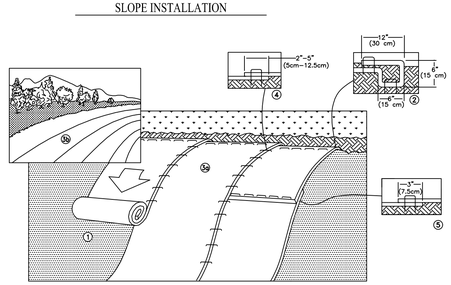
1. FOR EASIER INSTALLATION, LOWER WATER FROM LEVEL A TO LEVEL B BEFORE INSTALLATION.
2. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST 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.

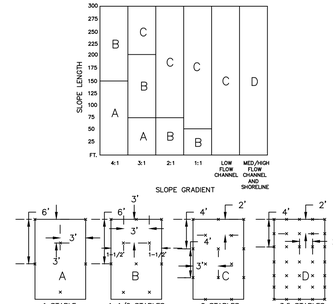
SLOPE INSTALLATION

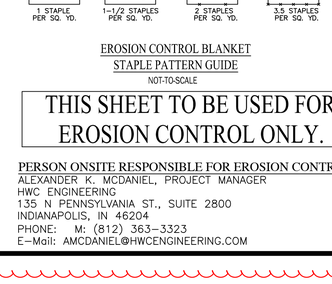


1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE 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
06/04/26	ADDENDUM NO. 1	AKM/DW

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

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SITE ACCESS & PREPARATION

Temporary Construction Ingress/Egress Pad (Large Sites—Two Acres or Larger)



*A **temporary construction ingress/egress pad** is a sediment control measure consisting of a stabilized aggregate pad with geotextile underlayment that is used at any point where construction traffic will be traversing between a large construction site and adjoining public right-of-way, street, alley, sidewalk, or parking areas.*

Purpose

To provide ingress/egress to a construction site and minimize tracking of mud and sediment onto public roadways.

Specifications

Location

- Avoid locating on steep slopes or at curves in public roads.

Dimensions

- Width – 20 feet minimum or full width of entrance/exit roadway, whichever is greater.
- Length – 150 feet minimum (length can be shorter for small sites).
- Thickness – eight inches minimum.

Washing Facility (optional)

- Level area with three inch, or larger, washed aggregate or install a commercial wash rack.
- Divert waste water to a sediment trap or basin.

TEMPORARY CONSTRUCTION INGRESS/EGRESS PAD (LARGE SITES—TWO ACRES OR LARGER)

Materials

- One to two and one-half inch diameter washed aggregate [Indiana Department of Transportation Course Aggregate No. 2 (see Appendix D)].
- One-half to one and one-half inch diameter washed aggregate [INDOT CA No. 53 (see Appendix D)].
- Geotextile fabric underlayment (see Appendix C) (used as a separation layer to prevent intermixing of aggregate and the underlying soil material and to provide greater bearing strength when encountering wet conditions or soils with a seasonal high water table limitation).

Installation

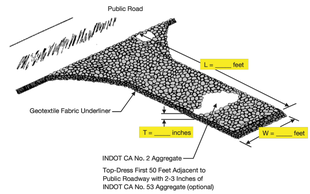
1. Remove all vegetation and other objectionable material from the foundation area.
2. Grade foundation and crown for positive drainage. If the slope of the construction entrance is toward a public road and exceeds two percent, construct an eight inch high diversion ridge with a ratio of 3-to-1 side slopes across the foundation area about 15 feet from the entrance to divert runoff away from the road (see Temporary Construction Ingress/Egress Pad Cross-Section View Worksheet).
3. Install a culvert pipe under the pad if needed to maintain proper public road drainage.
4. If wet conditions are anticipated, place geotextile fabric on the graded foundation to improve stability.
5. Place aggregate (INDOT CA No. 2) to the dimensions and grade shown in the construction plans, leaving the surface smooth and sloped for drainage.
6. Top-dress the first 50 feet adjacent to the public roadway with two to three inches of washed aggregate (INDOT CA No. 53) [optional, used primarily where the purpose of the pad is to keep soil from adhering to vehicle tires].
7. Where possible, divert all storm water runoff and drainage from the ingress/egress pad to a sediment trap or basin.

Maintenance

- Inspect daily.
- Reshape pad as needed for drainage and runoff control.
- Top dress with clean aggregate as needed.
- Immediately remove mud and sediment tracked or washed onto public roads.
- Flushing should only be used if the water can be conveyed into a sediment trap or basin.

TEMPORARY CONSTRUCTION INGRESS/EGRESS PAD (LARGE SITES—TWO ACRES OR LARGER)

Temporary Construction Ingress/Egress Pad
Plan View Worksheet
(large sites—two acres or larger)



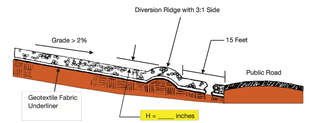
L = Ingress/Egress Pad Length
W = Ingress/Egress Pad Width
T = Aggregate Thickness

(Note: For minimum dimensions, see the "Specifications" section of this measure.)

Source: Adapted from North Carolina Erosion and Sediment Control Planning and Design Manual, 1993

TEMPORARY CONSTRUCTION INGRESS/EGRESS PAD (LARGE SITES—TWO ACRES OR LARGER)

Temporary Construction Ingress/Egress Pad
Cross-Section View Worksheet
(large sites two acres or larger)



H = Height of Diversion Ridge
(Note: 8 inches minimum)

Source: Adapted from North Carolina Erosion and Sediment Control Planning and Design Manual, 1993

TEMPORARY CURB & PAVED AREA INLET PROTECTION

Insert (Basket) Curb Inlet Protection

***Insert (basket) curb inlet protection** is a temporary sediment control measure consisting of a metal frame or basket that is used to support a geotextile fabric. The system is installed under the storm sewer grate.*





Purpose

To minimize sediment from entering the storm sewer system while allowing runoff to enter the storm sewer system in the event of excessive storm events. This measure traps sediment associated with small storm events below the grade of the paved area. This measure does not place an obstruction in the street to trap sediment and is especially conducive to stages of construction when the public has access to the project site.

Note: **This measure should be used in conjunction with other sediment control measures.**

Specifications

Contributing Drainage Area:

One-quarter acre maximum.

Capacity

Runoff from a two-year frequency, 24-hour storm event entering a storm drain without bypass flow.

INSERT (BASKET) CURB INLET PROTECTION

Location

- At curb inlets on paved roads and parking lots.
- Down grade from construction activities (e.g., individual home sites).

Materials

- Metal frame or basket with a top width and length such that the frame fits into the inlet. (The frame is supported by the structural integrity of the storm sewer.)
- The metal frame or geotextile should be designed with a bypass to allow storm water to flow into the storm sewer system during excessive storm events.
- The system should be designed for ease of maintenance.
- Geotextile fabric.

Table 1. Geotextile Fabric Specifications

Physical Property	Woven	Non-Woven
Filtering Efficiency	85%	85%
UV Resistance (Inhibitors and stabilizers to ensure six month minimum life at temperatures of 0° F to 120° F)	70%	85%
Tensile Strength at 20% Elongation: Standard Strength	30 lbs./linear inch	50 lbs./linear inch
Extra Strength	50 lbs./linear inch	70 lbs./linear inch
Slurry Flow Rate	0.3 gal./min./sq. ft.	4.5 gal./min./sq. ft.
Water Flow Rate	15 gal./min./sq. ft.	220 gal./min./sq. ft.

Installation

1. Remove the storm sewer grate and place the frame into the grate opening.
2. Place geotextile fabric into the frame and secure according to the manufacturer's recommendations.
3. Replace the storm sewer grate.

INSERT (BASKET) CURB INLET PROTECTION

Maintenance

- Inspect daily.
- Remove accumulated sediment and debris after each storm event. Deposit sediment in an area where it will not re-enter the paved area or storm drains.
- Replace or clean geotextile fabric as needed.
- When the contributing drainage area has been stabilized, remove inlet protection.

SEDIMENT BARRIERS & FILTERS

Silt Fence



*A **silt fence** is a temporary barrier of entrenched geotextile fabric stretched across and attached to supporting posts and installed on the contour to intercept and treat sediment-laden storm water runoff from small, unvegetated drainage areas.*

Purpose

To trap sediment from small, disturbed areas by reducing the velocity of sheet flow. Silt fences capture sediment by ponding water to allow deposition, not by filtration.

Note: **Silt fence is not recommended for use as a diversion and should not be used across a stream, channel, ditch, swale, or anywhere that concentrated flow is anticipated.**

Specifications

Drainage Area

- Limited to one-quarter acre per 100 linear feet of fence.
- Further restricted by slope steepness (see Table 1).

Effective Life

Six months (maximum).

Location

- Installed parallel to the slope contour.
- Minimum of 10 feet beyond the toe of the slope to provide a broad, shallow sediment pool.
- Accessible for maintenance (removal of sediment and silt fence repair).

SILT FENCE

Spacing

Table 1. Slope Steepness Restrictions

Percent Slope		Maximum Distance
< 2%	< 50:1	100 feet
2% – 5%	50:1 to 20:1	75 feet
5% – 10%[1]	20:1 to 10:1	50 feet
10% – 20%[1]	10:1 to 5:1	25 feet
> 20%[1]	> 5:1	15 feet

[1] Consider other alternatives.
Note: Multiple rows of silt fence are not recommended on the same slope.

Trench

- Depth – eight inches minimum.
- Width – four inches minimum.
- After installing fence, backfill with soil material and compact (to bury and anchor the lower portion of the fence fabric).

Note: **An alternative to trenching is to use mechanical equipment to plow in the silt fence.**

Materials and Silt Fence Specifications

- Fabric – woven or non-woven geotextile fabric meeting specified minimums outlined in Table 2.

SILT FENCE

Table 2. Geotextile Fabric Specifications for Silt Fence (minimum)

Physical Property	Woven Geotextile Fabric	Non-Woven Geotextile Fabric
Filtering efficiency	85%	85%
Textile strength at 20% elongation: Standard strength	30 lbs. per linear inch	50 lbs. per linear inch
Extra strength	50 lbs. per linear inch	70 lbs. per linear inch
Slurry flow rate	0.3 gal./min./square feet	4.5 gal./min./square feet
Water flow rate	15 gal./min./square feet	220 gal./min./square feet
UV resistance	70%	85%
Post spacing	7 feet	5 feet

Note: Silt fences can be purchased commercially.

- Height – a minimum of 18 inches above ground level (30 inches maximum).
- Reinforcement – fabric securely fastened to posts with wood lathe.
- Support Posts
  - 2 x 2 inch hardwood posts. Steel fence posts may be substituted for hardwood posts (steel posts should have projections for fastening fabric).
  - Spacing
    - Eight feet maximum if fence is supported by wire mesh fencing.
    - Six feet maximum for extra-strength fabric without wire backing.

Installation

Prefabricated silt fence (see Exhibits 1, 2, and 3)

1. Lay out the location of the fence so that it is parallel to the contour of the slope and at least 10 feet beyond the toe of the slope to provide a sediment storage area. Turn the ends of the fence up slope such that the point of contact between the ground and the bottom of the fence end terminates at a higher elevation than the top of the fence at its lowest point (see Exhibit 1).
2. Excavate an eight-inch deep by four-inch wide trench along the entire length of the fence line (see Exhibit 2). Installation by plowing is also acceptable.
3. Install the silt fence with the filter fabric located on the up-slope side of the excavated trench and the support posts on the down-slope side of the trench.

SILT FENCE

4. Drive the support posts at least 18 inches into the ground, tightly stretching the fabric between the posts as each is driven into the soil. A minimum of 12 inches of the filter fabric should extend into the trench. (If it is necessary to join the ends of two fences, use the wrap joint method shown in Exhibit 3.)
5. Lay the lower four inches of filter fabric on the bottom of the trench and extend it toward the up-slope side of the trench.
6. Backfill the trench with soil material and compact it in place.

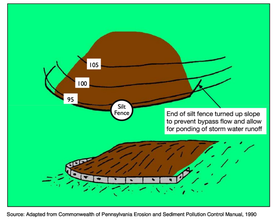
Note: **If the silt fence is being constructed on-site, attach the filter fabric to the support posts (refer to Tables 1 and 2 for spacing and geotextile specifications) and attach wooden lathe to secure the fabric to the posts. Allow for at least 12 inches of fabric below ground level. Complete the silt fence installation, following steps 1 through 6 above.**

Maintenance

- Inspect within 24 hours of a rain event and at least once every seven calendar days.
- If fence fabric tears, starts to decompose, or in any way becomes ineffective, replace the affected portion immediately. Note: **All repairs should meet specifications as outlined within this measure.**
- Remove deposited sediment when it is causing the filter fabric to bulge or when it reaches one-half the height of the fence at its lowest point. When contributing drainage area has been stabilized, remove the fence and sediment deposits, grade the site to blend with the surrounding area, and stabilize.

SILT FENCE

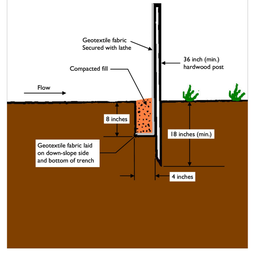
Exhibit 1



Source: Adapted from Commonwealth of Pennsylvania Erosion and Sediment Pollution Control Manual, 1990

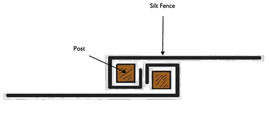
SILT FENCE

Exhibit 2



SILT FENCE

Exhibit 3



REVISIONS

DATE	DESCRIPTION	BY
06/04/26	ADDENDUM NO. 1	AKM/DW

HWC ENGINEERING
www.hwcengineering.com

NINEVEH FIRE STATION 101
NINEVEH, INDIANA

STORMWATER POLLUTION PREVENTION DETAILS

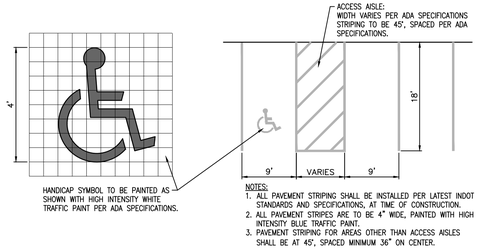
ALEXANDER K. McDANIEL REGISTERED No. PE12300515 STATE OF INDIANA PROFESSIONAL ENGINEER

Alexander K. McDaniel

DRAWN BY MJ
CHECKED BY AM
DATE MAY 14, 2026
SCALE AS SHOWN
JOB NUMBER 2501-735-A
SHEET
C8.03
STORMWATER POLLUTION PREVENTION DETAILS

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Plot Date: Jun 04, 2026 Plot Time: 10:58am File Name: W:\Nineveh Fire Protection District Board\2501-735-A SWPP Notes & Details.dwg Layout: C8.03 SWPP DETAILS By: amcdaniel
...e Station\Design\CAD\2501-735-A Nineveh Twp. Volunteer Fire Station\De...



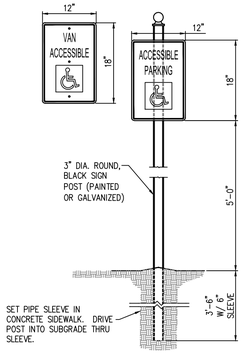
NOTES:
1. ALL PAVEMENT STRIPING SHALL BE INSTALLED PER LATEST INDOT STANDARDS AND SPECIFICATIONS, AT TIME OF CONSTRUCTION.
2. ALL PAVEMENT STRIPES ARE TO BE 4" WIDE, PAINTED WITH HIGH INTENSITY BLUE TRAFFIC PAINT.
3. PAVEMENT STRIPING FOR AREAS OTHER THAN ACCESS AISLES SHALL BE AT 45°, SPACED MINIMUM 36" ON CENTER.

PAVEMENT MARKING DETAILS
NOT TO SCALE

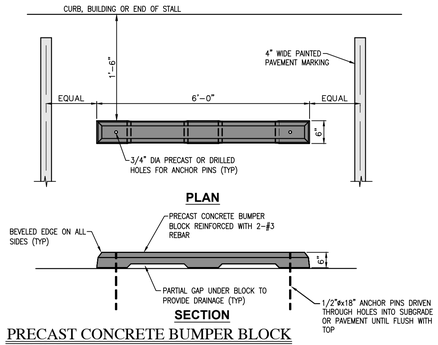


BEST MFG. CO. MODEL SS07 FOR
HANDICAP PARKING AND MODEL SS57
FOR VAN ACCESSIBLE PARKING

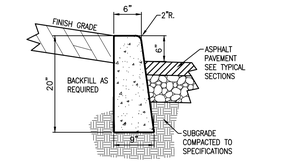
ACCESSIBLE PARKING SIGN



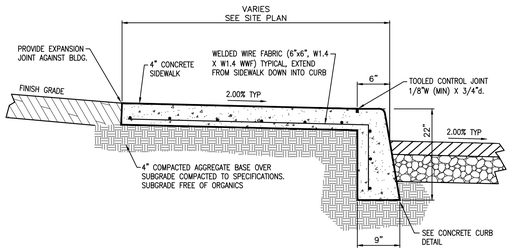
ACCESSIBLE PARKING SIGN DETAIL
NOT TO SCALE



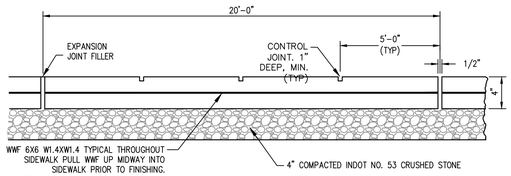
PRECAST CONCRETE BUMPER BLOCK
NOT TO SCALE



6" CONCRETE CURB
NOT TO SCALE

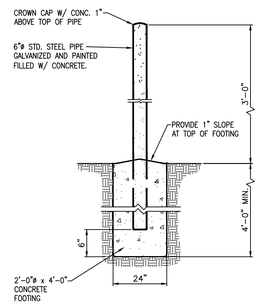


INTEGRAL CONCRETE CURB & SIDEWALK
NOT TO SCALE

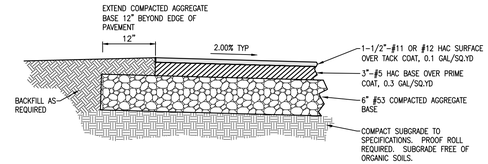


NOTES:
1. CONCRETE SHALL BE 4000 PSI.
2. PROVIDE 1/2" EXPANSION JOINT WITH PREMOULDED FILLER STRIP AT 20' MAX SPACING IN WALK.
3. PROVIDE 1" DEEP (MIN.) CONTROL JOINTS AT 5' ON CENTER IN WALK.
4. PROVIDE EXPANSION JOINT CONTINUOUS WHERE WALK ABUTS CONCRETE STRUCTURES.
5. PROVIDE EDGE EXPANSION JOINT 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.

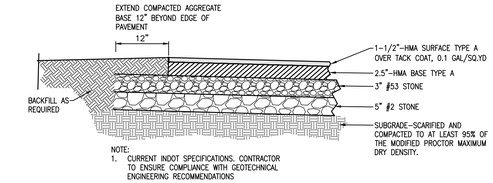
CONCRETE SIDEWALK DETAIL
NOT TO SCALE



PIPE BOLLARD DETAIL
NOT TO SCALE

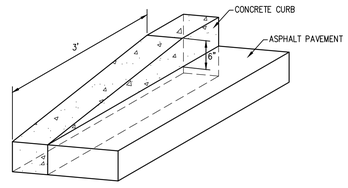


REGULAR DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE



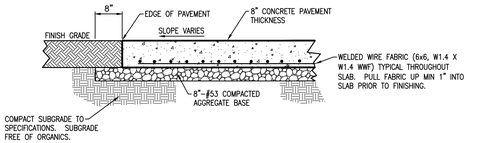
NOTE:
1. CURRENT INDOT SPECIFICATIONS. CONTRACTOR TO ENSURE COMPLIANCE WITH GEOTECHNICAL ENGINEERING RECOMMENDATIONS

HEAVY DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE

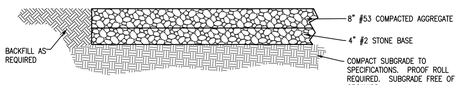


CURB TAPER DETAIL
NOT TO SCALE

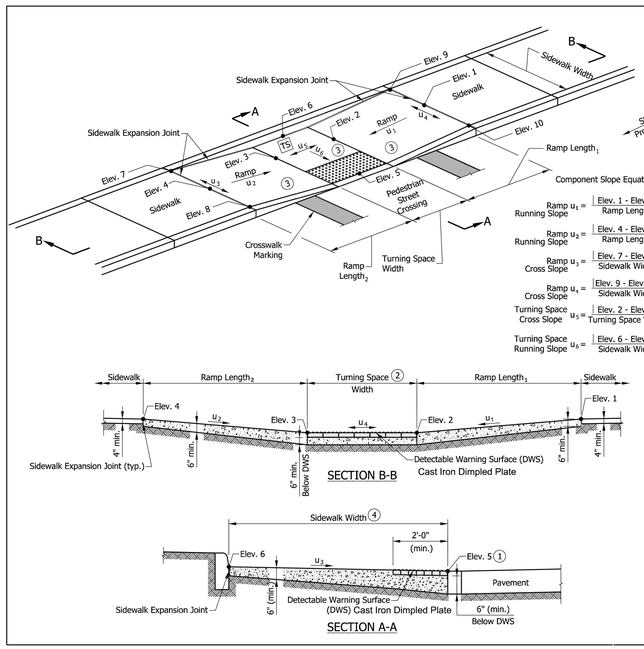
EXTEND COMPACTED AGGREGATE BASE 8" BEYOND EDGE OF PAVEMENT AS SHOWN.



HEAVY DUTY CONCRETE PAVEMENT SECTION
NOT TO SCALE



GRAVEL PAVEMENT SECTION
NOT TO SCALE



Component Slope Equations:

Ramp u_1 = Running Slope	$\frac{\text{Elev. 1 - Elev. 2}}{\text{Ramp Length}_1}$	≤ 8.33%
Ramp u_2 = Running Slope	$\frac{\text{Elev. 4 - Elev. 3}}{\text{Ramp Length}_2}$	≤ 8.33%
Ramp u_3 = Cross Slope	$\frac{\text{Elev. 7 - Elev. 8}}{\text{Sidewalk Width}}$	≤ 2.00%
Ramp u_4 = Cross Slope	$\frac{\text{Elev. 9 - Elev. 10}}{\text{Sidewalk Width}}$	≤ 2.00%
Turning Space Cross Slope u_5 =	$\frac{\text{Elev. 2 - Elev. 3}}{\text{Turning Space Width}}$	≤ 2.00% (5)
Turning Space Running Slope u_6 =	$\frac{\text{Elev. 6 - Elev. 5}}{\text{Sidewalk Width}}$	≤ 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 REGISTERED No. 10200124 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
06/04/26	ADDENDUM NO. 1	AKM/DW

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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
CONSTRUCTION DETAILS

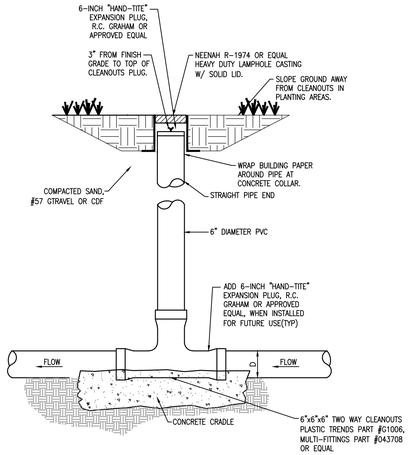
ALEXANDER K. McDANIEL REGISTERED No. PE12300515 STATE OF INDIANA PROFESSIONAL ENGINEER
Alexander K. McDaniel

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

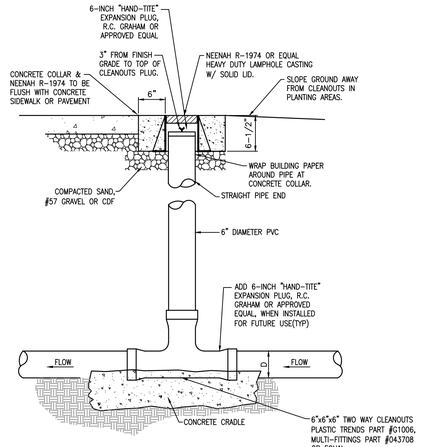
SHEET
C8.10
CONSTRUCTION DETAILS

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Plot Date: Jun 04, 2026 Plot Time: 10:58am File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Two Volunteer Fire Station\Design\CAD\2501-735-A_Construction Details.dwg, Layout: C8.10 DETAILS By: amcdaniel



NON-PAVED AREAS

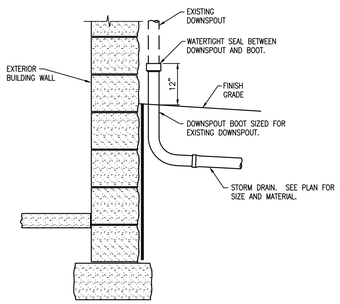


PAVED AREAS

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

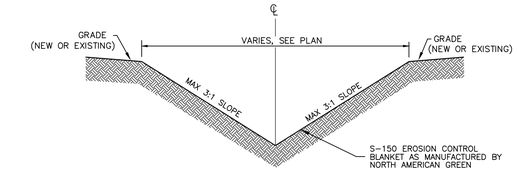
TYPICAL TWO-WAY CLEANOUT FOR BUILDING SEWERS

NOT TO SCALE



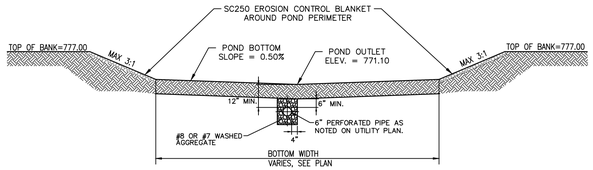
DOWNSPOUT CONNECTION DETAIL

NOT TO SCALE



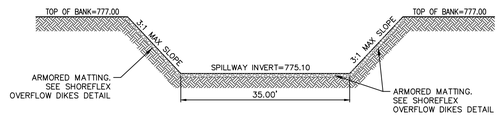
TYPICAL SWALE DETAIL

NOT TO SCALE



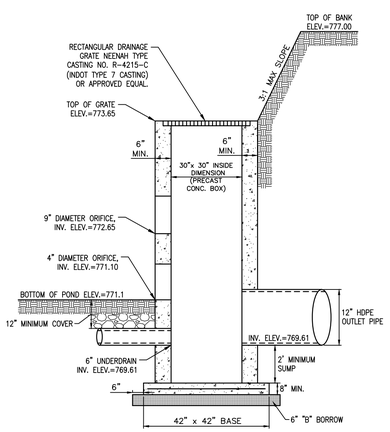
DRY-BOTTOM POND TYPICAL CROSS-SECTION

NOT TO SCALE



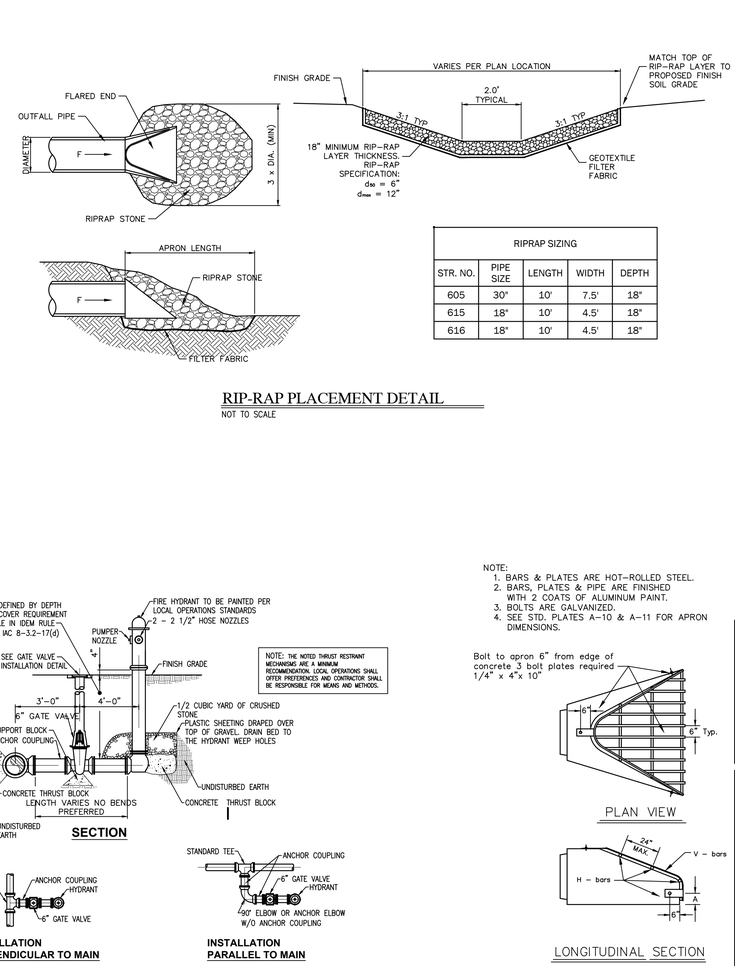
POND EMERGENCY SPILLWAY

NOT TO SCALE



PROPOSED POND OUTLET CONTROL STRUCTURE (STR.#601)

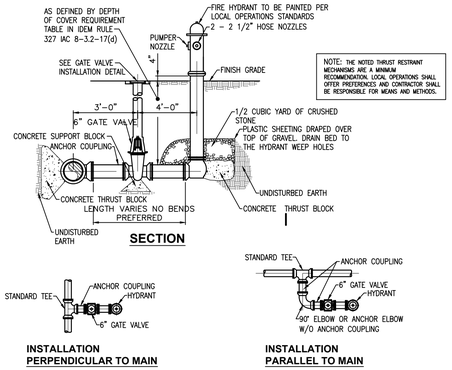
NOT TO SCALE



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"

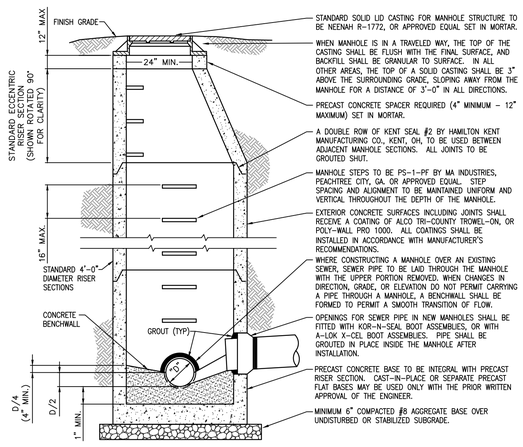
RIP-RAP PLACEMENT DETAIL

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

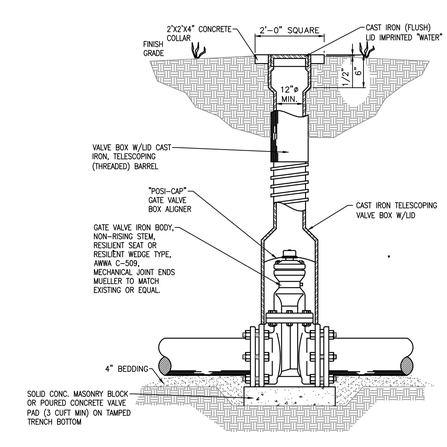
LONGITUDINAL SECTION

END SECTION DEBRIS GUARD

NOT TO SCALE

	Apron Size	V-bar Size	H-bar Size	No. of H-bars Req'd	Bolt Dia.	"A" Dim.
		Inches			Inches	
Arch. pipe aprons	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



GATE VALVE WITH BOX DETAIL

NOT TO SCALE

REVISIONS		
DATE	DESCRIPTION	BY
06/04/26	ADDENDUM NO. 1	AKM/DW

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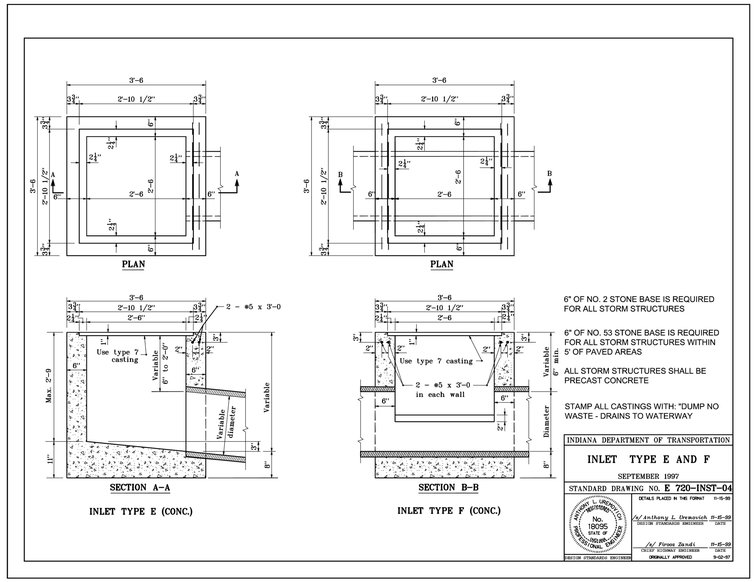
NINEVEH FIRE STATION 101
NINEVEH, INDIANA
CONSTRUCTION DETAILS

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

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INLET TYPE E (CONC.)

INLET TYPE F (CONC.)

6" OF NO. 2 STONE BASE IS REQUIRED FOR ALL STORM STRUCTURES

6" OF NO. 53 STONE BASE IS REQUIRED FOR ALL STORM STRUCTURES WITHIN 5' OF PAVED AREAS

ALL STORM STRUCTURES SHALL BE PRECAST CONCRETE

STAMP ALL CASTINGS WITH: "DUMP NO WASTE - DRAINS TO WATERWAY

INDIANA DEPARTMENT OF TRANSPORTATION

INLET TYPE E AND F

SEPTEMBER 1997

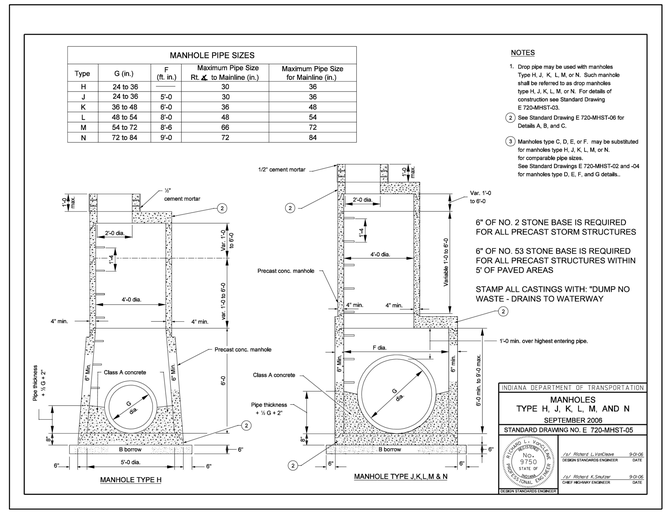
STANDARD DRAWING NO. E 720-INST-04

DETAILS PLACED IN THE FORMAT H-15-99

/s/ Anthony L. Drewniak 11-15-99
DIRECTOR STANDARDS SECTION DATE

/s/ Firoz Zaidi 11-15-99
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER ORIGINALLY APPROVED 5-12-97



6" OF NO. 2 STONE BASE IS REQUIRED FOR ALL PRECAST STORM STRUCTURES

6" OF NO. 53 STONE BASE IS REQUIRED FOR ALL PRECAST STRUCTURES WITHIN 5' OF PAVED AREAS

STAMP ALL CASTINGS WITH: "DUMP NO WASTE - DRAINS TO WATERWAY

INDIANA DEPARTMENT OF TRANSPORTATION

MANHOLES
TYPE H, J, K, L, M, AND N

SEPTEMBER 2006

STANDARD DRAWING NO. E 720-MHST-05

/s/ Richard L. Rutledge 9-21-06
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Snyder 9-21-06
CHIEF HIGHWAY ENGINEER DATE

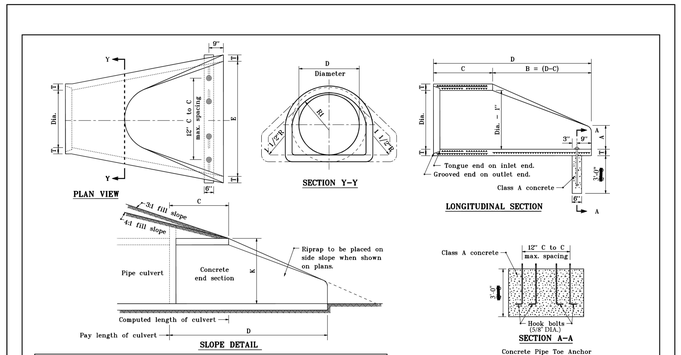


TABLE OF DIMENSIONS

DIA.	T (min.)	A (±1")	C (±1")	D (±1")	E (±1")	K	R1	R2	APPROX. WEIGHT, lb.
12"	2"	5"	4'-3	6'-2	2'-0	1.3	10½"	9"	800
15"	2½"	7"	4'-0	6'-3	2'-6	1.5	12½"	11"	1100
18"	2½"	11"	4'-1	6'-2	3'-0	1.8	15½"	12"	1300
21"	2½"	11"	3'-6	6'-3	3'-6	2.1	18½"	13"	1500
24"	3"	1'-0	2'-8	6'-3	4'-0	2.3	18½"	14"	1800
27"	3½"	1'-1	2'-5	6'-3	4'-6	2.6	18½"	14½"	2100
30"	3½"	1'-2	1'-10	6'-3	5'-0	2.9	18½"	15"	2400
33"	3½"	1'-3	3'-6	8'-3	5'-6	3.1	22½"	17½"	4100
36"	4"	1'-5	3'-1	8'-3	6'-0	3.4	24½"	20"	4200

NOTES:
1. THE DEPTH OF THE TOE WALL IS 3'-0".

INDIANA DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE END SECTION

MAY 1995

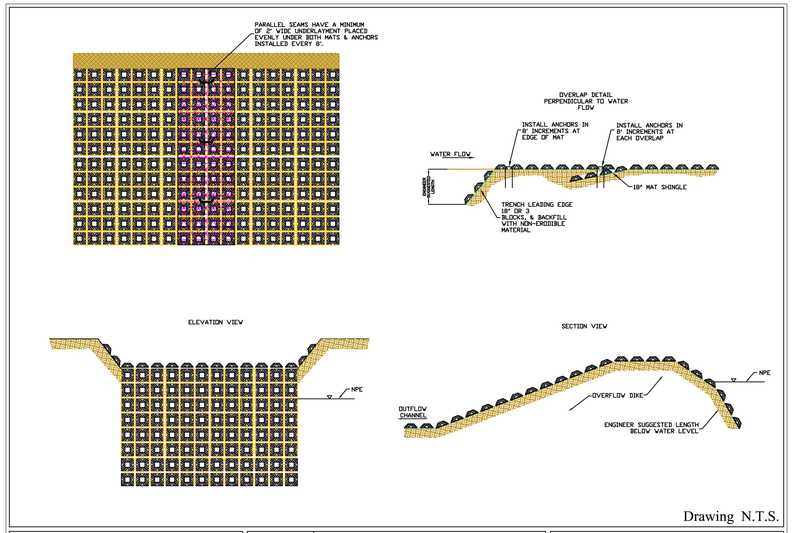
STANDARD DRAWING NO. E 715-PCES-01

DETAILS PLACED IN THE FORMAT H-15-99

/s/ Anthony L. Drewniak 11-15-99
DIRECTOR STANDARDS SECTION DATE

/s/ Firoz Zaidi 11-15-99
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER ORIGINALLY APPROVED 5-12-95



Drawing N.T.S.

SHOREFLEX
Permanent Erosion Control Solutions
A Product of SHORETEC

Project:	
Customer:	
Detail Title:	ShoreFlex Overflow Dikes

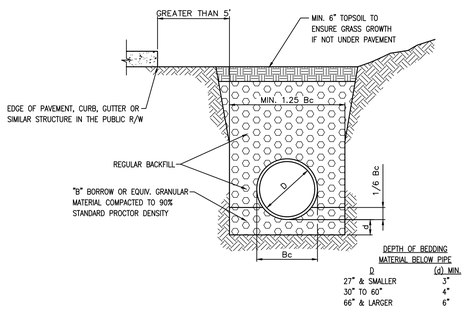
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LEGEND
Bc = OUTSIDE DIAMETER
D = INSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

CONTRACTORS NOTES:
1. ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFT.
2. A MINIMUM 9" OF CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.

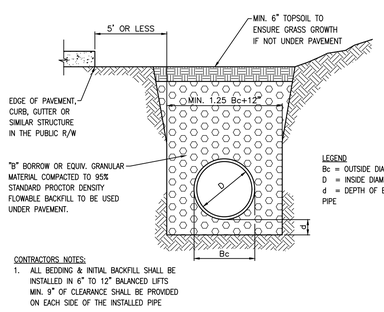
PLASTIC PIPE (PVC & HDPE) TRENCH DETAIL
NOT TO SCALE

POND UNDERDRAIN
NOT TO SCALE



DEPTH OF BEDDING MATERIAL BELOW PIPE

D	(d) MIN.
27" & SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"



LEGEND
Bc = OUTSIDE DIAMETER
D = INSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

CONTRACTORS NOTES:
1. ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS
MIN. 9" OF CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE

REINFORCED CONCRETE PIPE (RCP) TRENCH DETAIL
NOT TO SCALE

REVISIONS		
DATE	DESCRIPTION	BY
06/04/26	ADDENDUM NO. 1	AKM/DW

HWC ENGINEERING
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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	

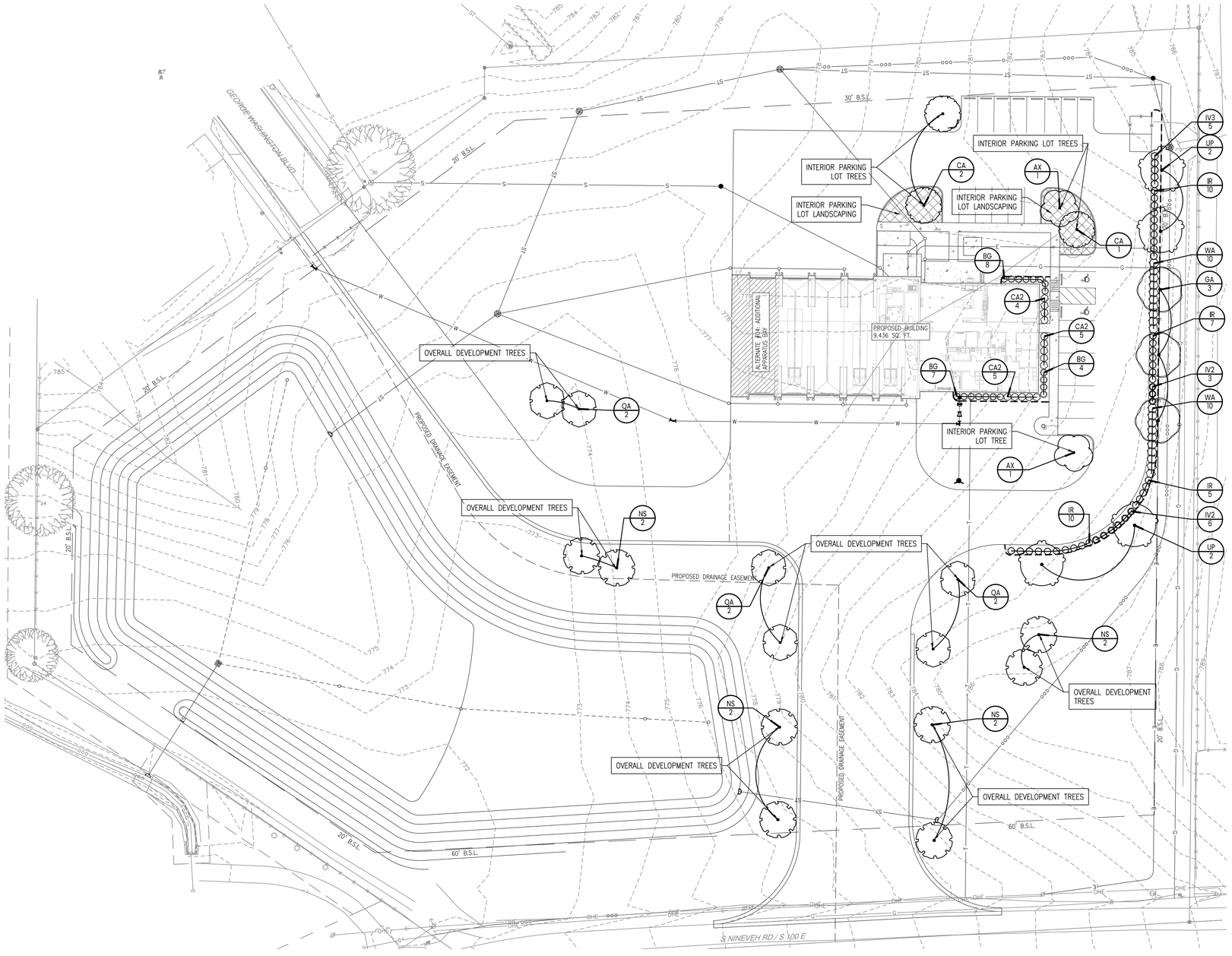
SHEET

C8.12

CONSTRUCTION DETAILS

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Plot Date: Jun 04, 2026 Plot Time: 10:58am 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 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.

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.

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
06/04/26	ADDENDUM NO. 1	AKM/DW

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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
LANDSCAPE PLAN

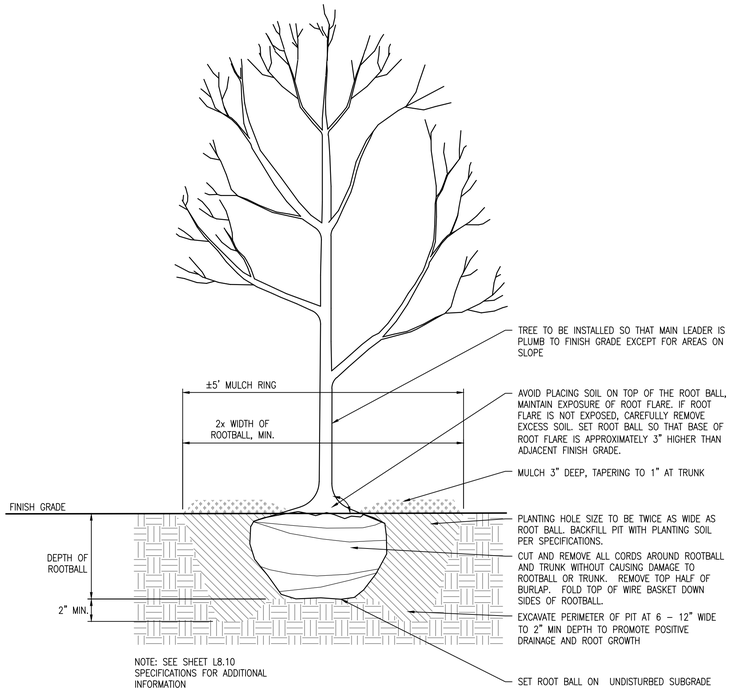
ALEXANDER K. MCDANIEL
REGISTERED
No. PE12300515
STATE OF INDIANA
PROFESSIONAL ENGINEER
Alexander K. McDaniel

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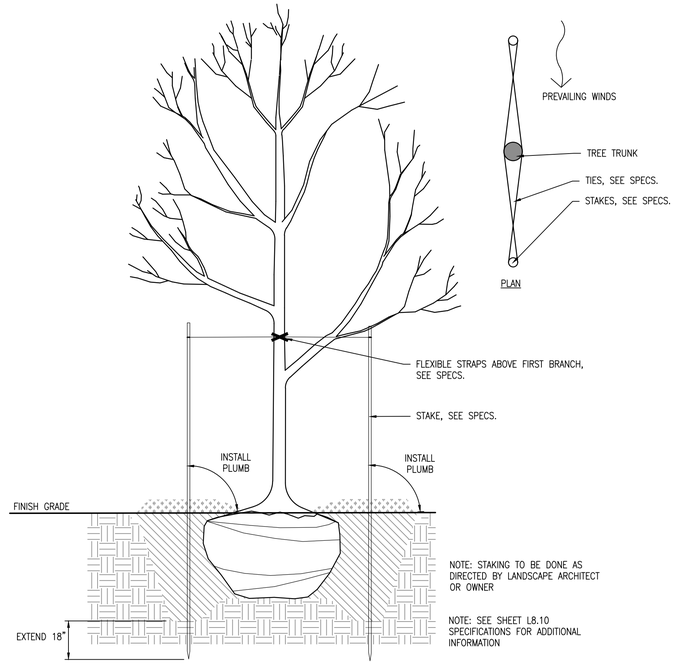
SHEET
L1.00
LANDSCAPE PLAN

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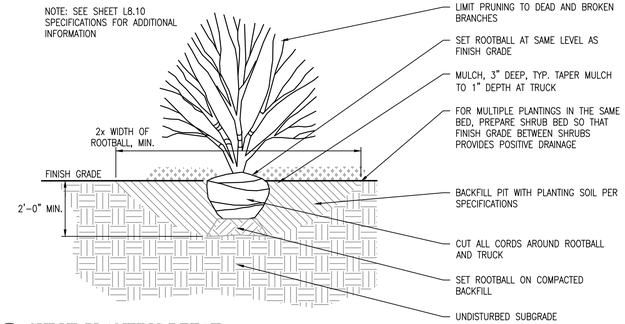
Plot Date: Jun 04, 2026 Plot Time: 10:59am File Name: W:\Nineveh Fire Protection District Board\2501-735-A Nineveh Twp. Volunteer Fire Station\Design\CAD\2501-735-A_Landscape Plan.dwg, Layout: L1.00 LANDSCAPE PLAN By: amcdaniel



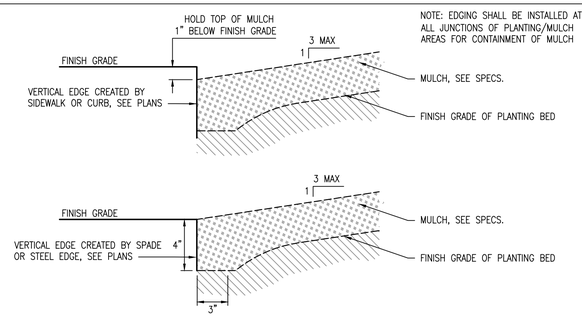
1 TYPICAL TREE PLANTING DETAIL
NOT TO SCALE



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
06/04/26	ADDENDUM NO. 1	AKM/DW

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NINEVEH FIRE STATION 101
NINEVEH, INDIANA
LANDSCAPE DETAILS

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

Alexander K. McDaniel

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Plot Date: Jun 04, 2026 Plot Time: 10:59am 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 ½" 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:

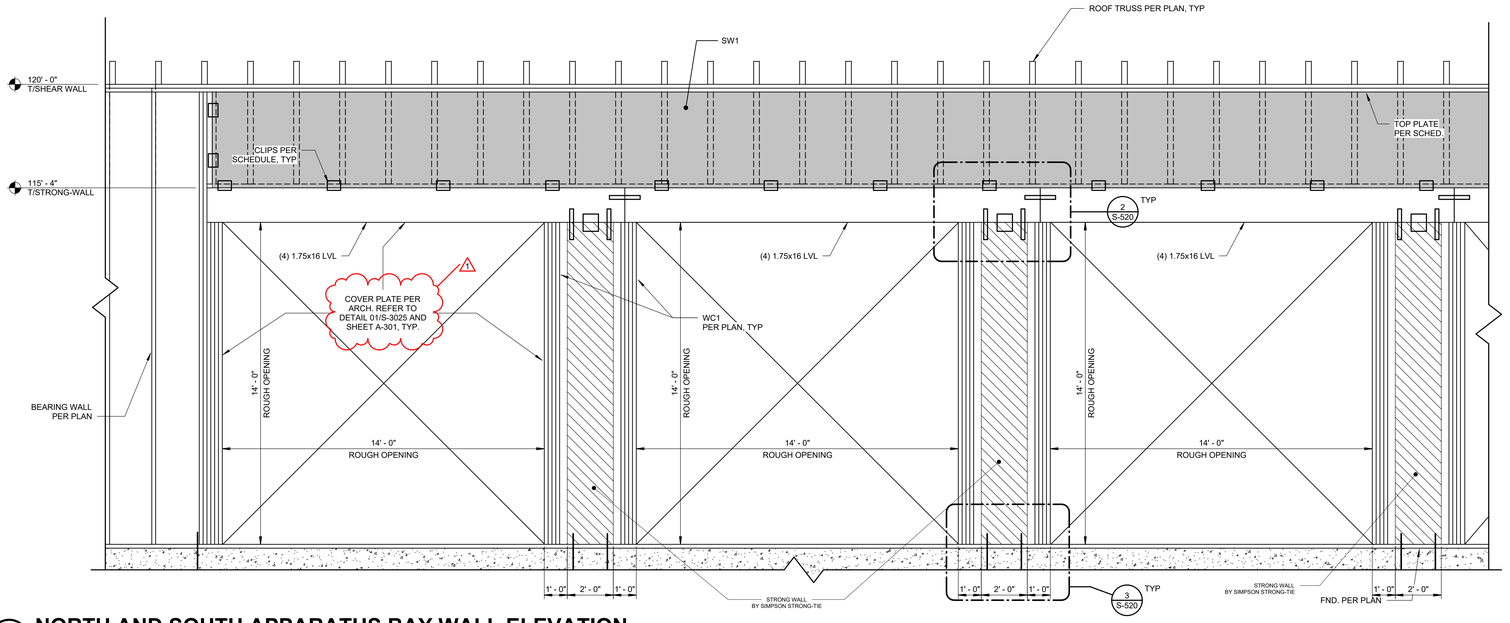
B. GUYING AND STAKING: GUY AND STAKE TREES EXCEEDING 14 FEET IN HEIGHT AND MORE THAN 3 INCHES IN CALIPER, UNLESS OTHERWISE INDICATED. SECURELY ATTACH NO FEWER THAN 3 GUYS TO STAKES 30 INCHES LONG, DRIVEN TO GRADE.

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. D



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

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

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

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

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE
PROTECTION DISTRICT
BOARD OF TRUSTEES

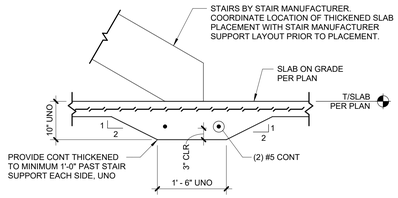
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

BUILDING SECTIONS

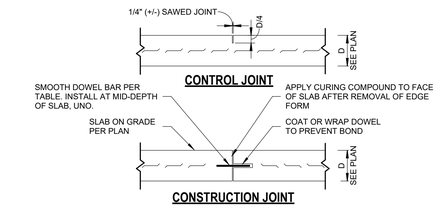
S-300

4/7/2026 11:18:14 AM 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"



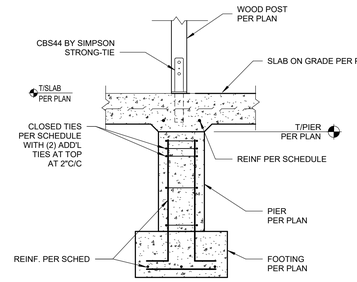
NOTE:
IF NO CONSTRUCTION OR CONTROL JOINT PLAN IS PROVIDED. CONTRACTOR TO PROVIDE PLAN FOR ENGINEERING APPROVAL AS PART OF SUBMITTAL.

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

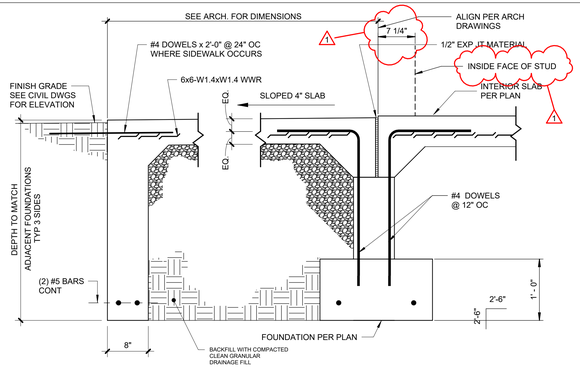
3 S-500 TYPICAL SLAB ON GRADE JOINTS

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



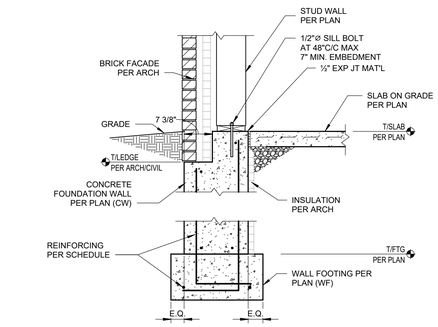
2 S-500 WOOD POST FOUNDATION DETAIL

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



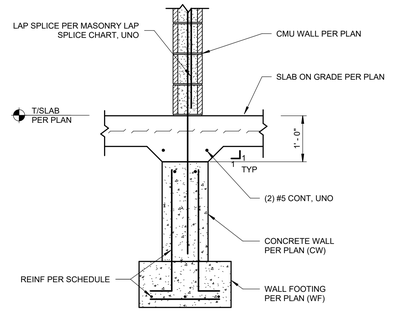
1 S-500 TYPICAL ENTRANCE SECTION

SCALE: 1" = 1'-0"



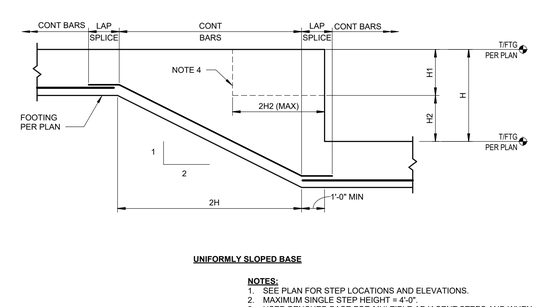
7 S-500 TYPICAL FOUNDATION DETAIL

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

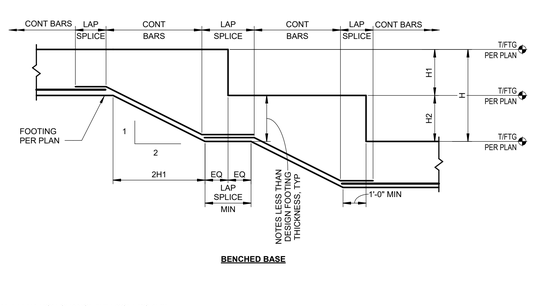


6 S-500 TYPICAL INTERIOR FOUNDATION WALL @ CMU WALL

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



UNIFORMLY SLOPED BASE

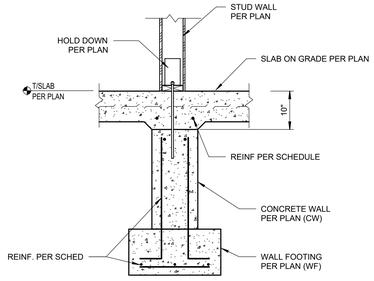


BENCHED BASE

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.

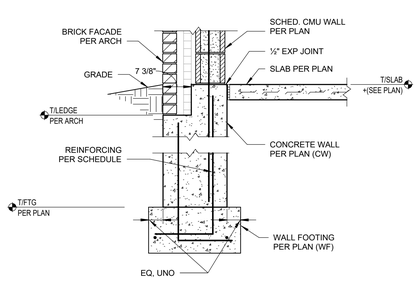
5 S-500 TYP STEPPED FOOTING

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



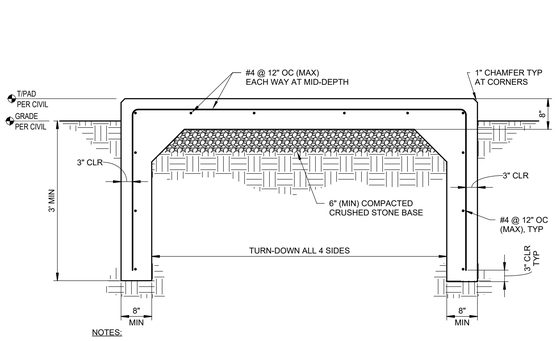
TYPICAL INTERIOR FOUNDATION WALL @ WOOD STUD WALL

9 S-500 SCALE: 3/4" = 1'-0"



8 S-500 SECTION @ FOUNDATION WALL

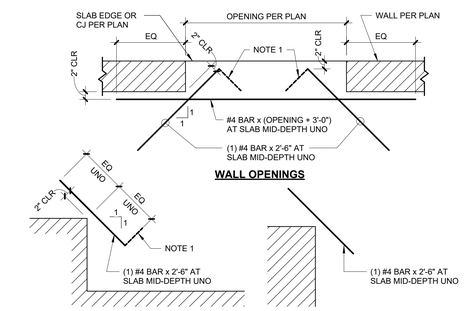
SCALE: 3/4" = 1'-0"



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

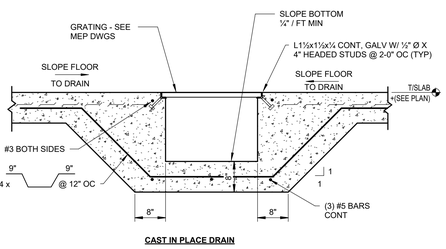
SCALE: 3/4" = 1'-0"



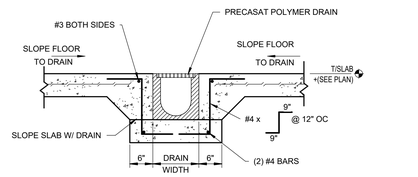
NOTES:
1. WHERE THERE IS INSUFFICIENT ROOM TO INSTALL A STRAIGHT BAR AS SHOWN CENTERED WITH EQUAL LENGTH EACH SIDE OF THE RE-ENTRANT CORNER, PROVIDE BAR WITH A 90- OR 180- DEGREE HOOK INSTALLED ON THE SIDE WITH SHORTER EMBEDMENT.
2. FOR SLABS WITH 2 LAYERS OF REINFORCEMENT, INSTALL ADDITIONAL REINFORCEMENT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

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

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



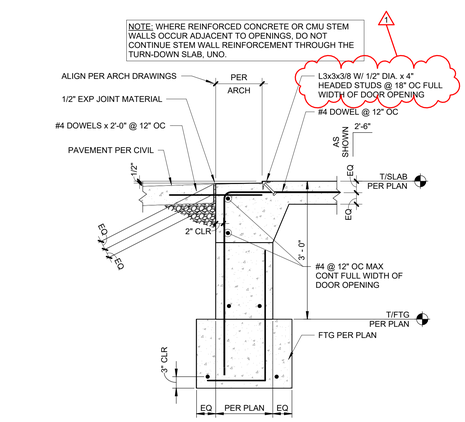
CAST IN PLACE DRAIN



PRECAST POLYMER DRAIN

11 S-500 SECTION THRU TRENCH DRAIN

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



10 S-500 FOUNDATION AT OVERHEAD DOOR

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

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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
1	ADDENDUM No. 1	06/04/2026

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

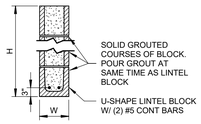
PRESCRIPTIVE LINTEL SCHEDULE

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.

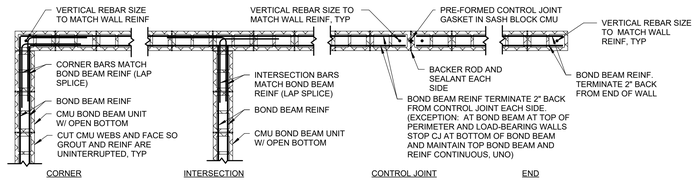
MASONRY REINFORCING STEEL LAP SPLICE CHART

BAR SPLICE LENGTHS

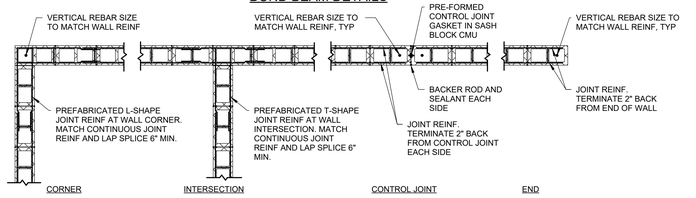
BAR	UNCOATED BARS		EPOXY-COATED BARS	
	TYPE 1.0LD	TYPE 1.5LD	TYPE 1.0LD	TYPE 1.5LD
#3	20"	36"	29"	54"
#4	26"	48"	39"	72"
#5	32"	60"	48"	90"
#6	39"	72"	58"	108"
#7	45"	84"	68"	126"
#8	52"	96"	77"	144"
#9	58"	109"	87"	164"

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.



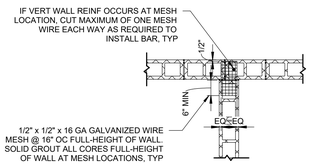
BOND BEAM DETAILS



JOINT REINFORCEMENT DETAILS

NOTES:

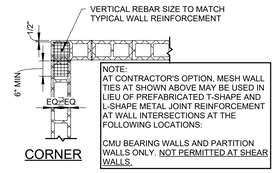
1. VERTICAL REINFORCEMENT INDICATED ON THIS DETAIL IS REQUIRED IN ADDITION TO SCHEDULED VERTICAL REINFORCEMENT, UNLESS SCHEDULED REINFORCEMENT ALREADY OCCURS AT THE INDICATED LOCATIONS.
2. PROVIDE LAPPED DOWELS INTO FOUNDATION AT ALL VERTICAL REINFORCEMENT.
3. PROVIDE HORIZONTAL JOINT REINFORCEMENT AND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



INTERSECTION

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.

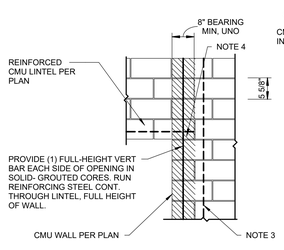


CORNER

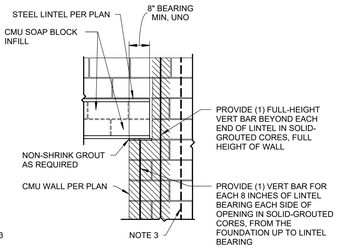
ALTERNATE CMU WALL INTERSECTION TIE DETAIL (WIRE MESH)

1 S-510 TYPICAL CMU WALL JOINT DETAILS

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



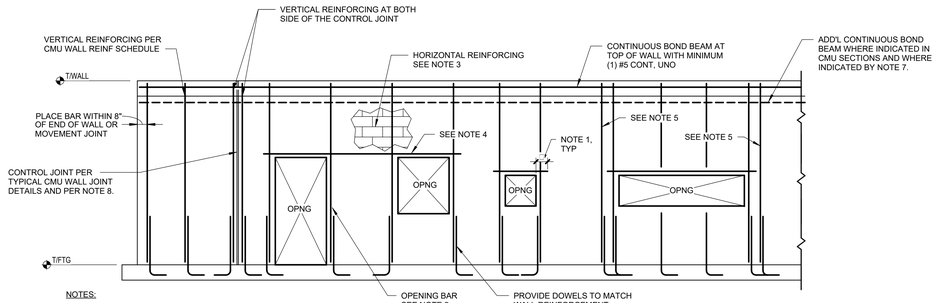
REINFORCED CMU LINTEL



STEEL LINTEL

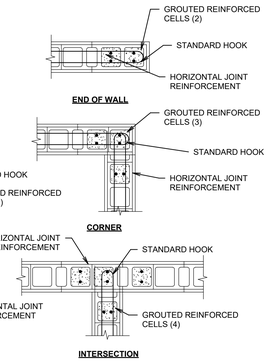
NOTES:

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.



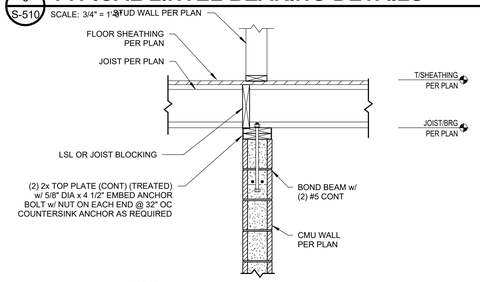
NOTES:

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

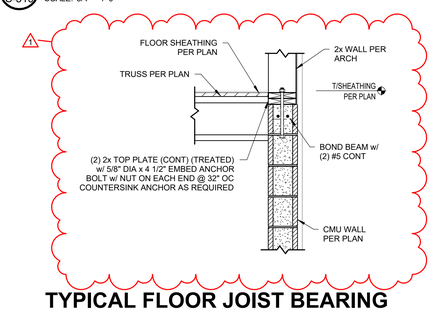
SCALE: 3/4" = 1'-0"



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

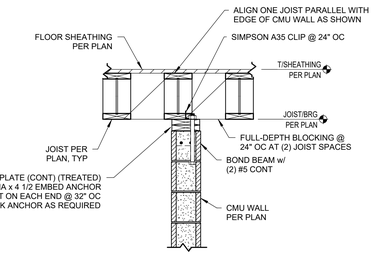
6 S-510 TYPICAL FLOOR JOIST BEARING AT INTERIOR CMU WALL

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

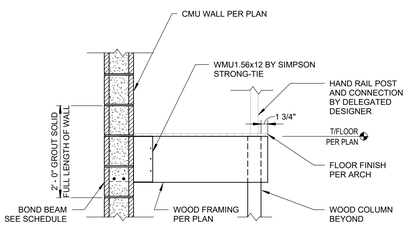
SCALE: 3/4" = 1'-0"

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"

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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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

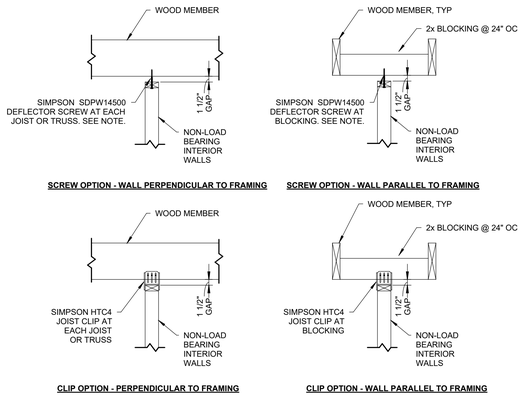
S NINEVEH ROAD
NINEVEH, IN 46164

MASONRY SCHEDULES, SECTIONS, & DETAILS

S-510

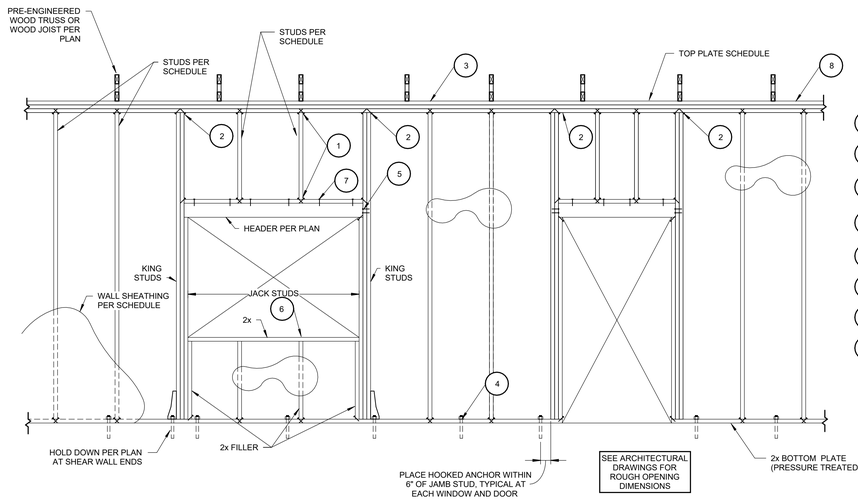
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/Nineveh Twp FD Station_Structural_R26.rvt
6/4/2026 11:18:24 AM

NOTE: WHERE NON-LOAD BEARING INTERIOR WALLS HAVE 2-PLY TOP PLATE, USE SIMPSON SDPW19600 DEFLECTOR SCREW.



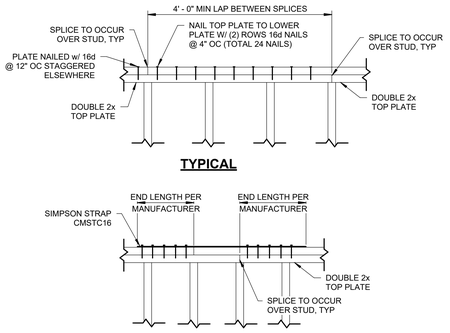
3 S-521 TYPICAL ANCHORAGE OF NON-LOAD BEARING WALLS

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



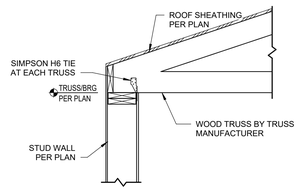
2 S-521 TYPICAL WALL FRAMING DETAIL

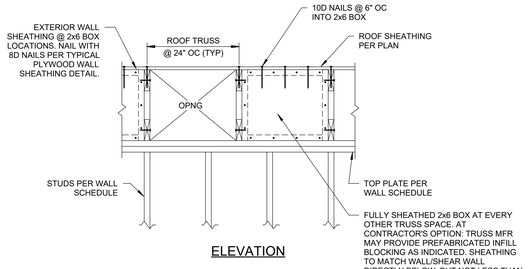
SCALE: 1/2" = 1'-0"

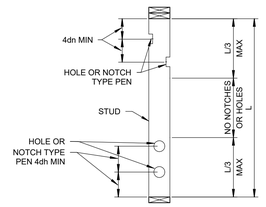


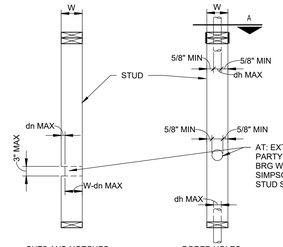
1 S-521 TYPICAL PLATE LAP DETAIL

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





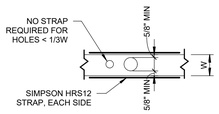




STUD SIZE	EXTERIOR WALL, PARTY WALLS, BEARING WALLS		INTERIOR NON-LOAD BEARING WALLS	
	dn MAX	dh MAX	dn MAX	dh MAX
2x4	7/8"	1-3/8"	1-3/8"	2"
2x6	1-3/8"	2-1/8"	2-1/8"	3-1/4"
2x8	1-3/4"	2-7/8"	2-7/8"	4-1/4"

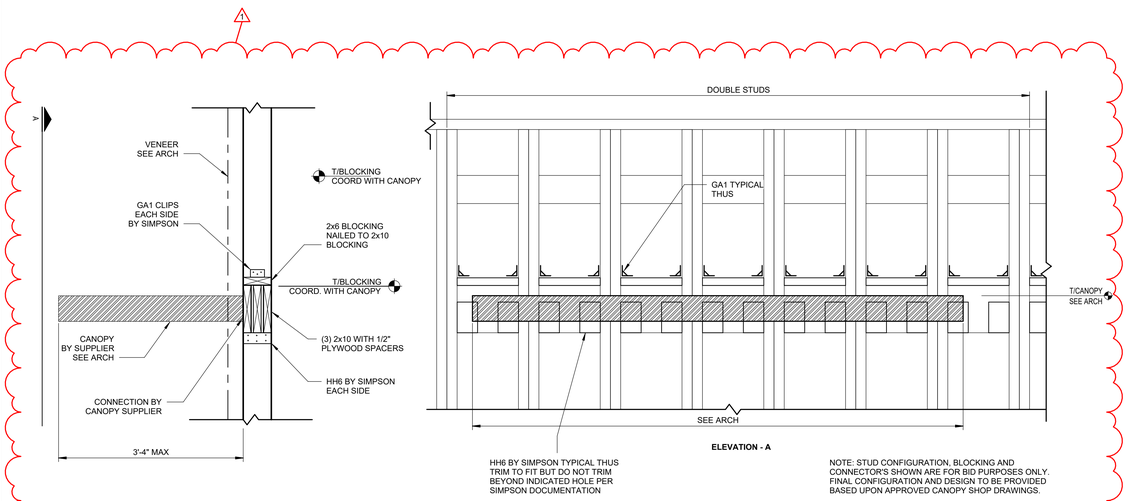
dn - DEPTH OF NOTCH
dh - DEPTH OF HOLE

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.



5 S-521 TYPICAL ROOF FRAMING DETAIL

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

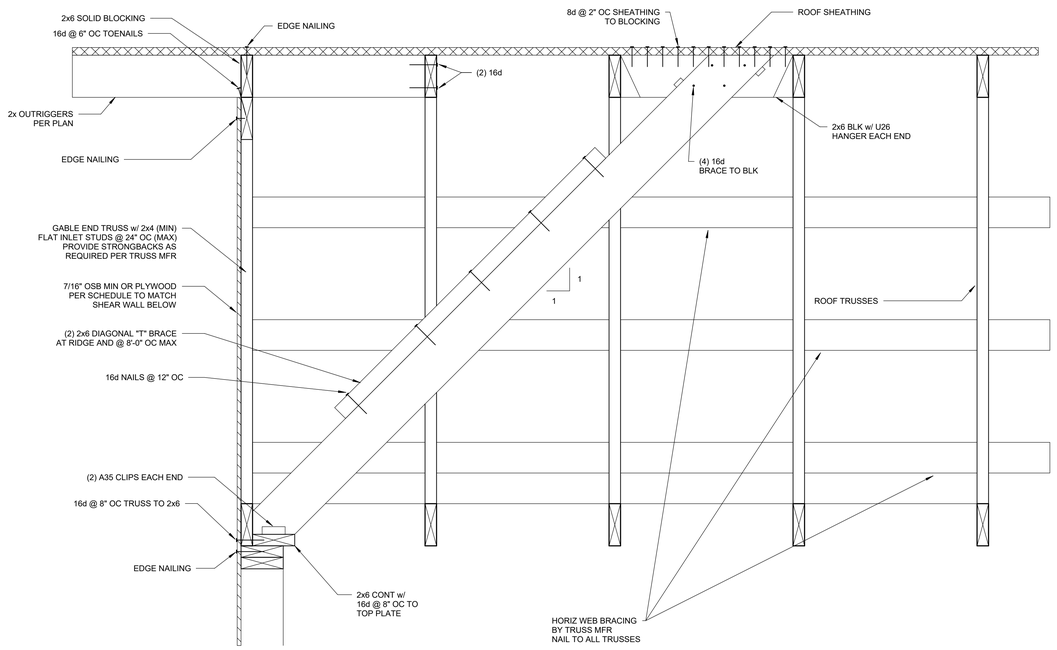


7 S-521 EXTERIOR CANOPY DETAIL

SCALE: 1" = 1'-0"

4 S-521 ALLOWABLE PENETRATIONS IN LOAD-BEARING STUDS

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



6 S-521 TYPICAL GABLE END WALL BRACE

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

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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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

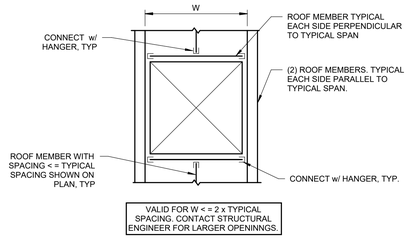
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FRAMING SCHEDULES, SECTIONS, & DETAILS

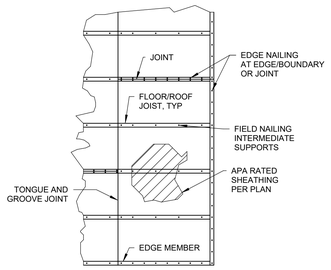
S-521

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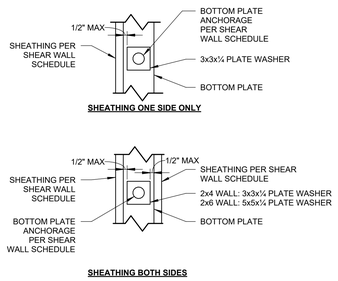


NOTES:
1. COORDINATE EXACT SIZE AND LOCATION OF OPENINGS WITH MECHANICAL CONTRACTOR.
2. COORDINATE EXACT SIZE AND LOCATION OF ROOF HATCH WITH ARCHITECTURAL DRAWINGS.
3. THE SYMBOL "<=" IS DEFINED AS "LESS THAN OR EQUAL TO".
4. SIZE OF ROOF MEMBERS TO MATCH TYPICAL SIZE SHOWN ON PLAN IN AREA OF OPENING.

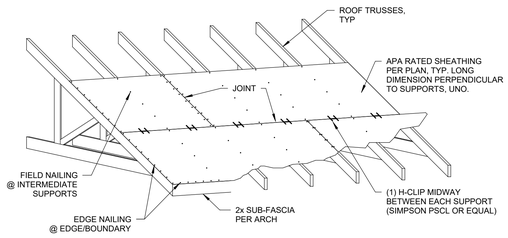
4 TYPICAL ROOF OPENING DETAIL
S-522 SCALE: 1/2" = 1'-0"



3 TYPICAL SHEATHING AT WOOD FLOOR AND FLAT ROOF
S-522 SCALE: 3/4" = 1'-0"

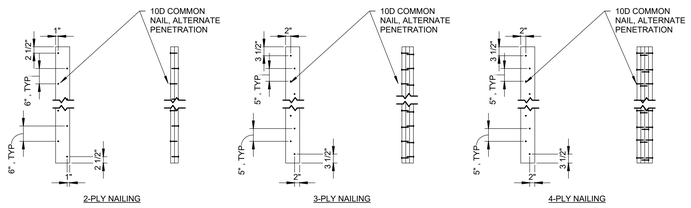


2 TYPICAL STEEL PLATE WASHER AT SHEAR WALL BOTTOM PLATE FOUNDATION ANCHORS
S-522 SCALE: 1 1/2" = 1'-0"

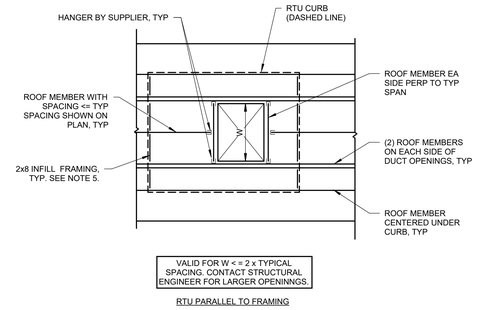


UNBLOCKED DIAPHRAGM

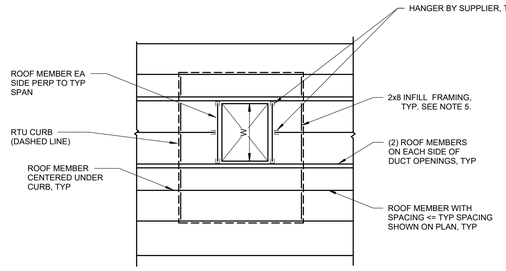
1 TYPICAL ROOF SHEATHING DETAIL AT WOOD TRUSSES
S-522 SCALE: 3/4" = 1'-0"



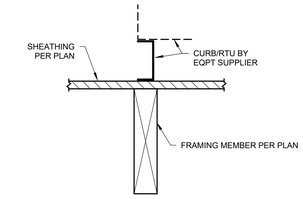
6 TYPICAL MULTIPLE PLY STUD / HEADER NAILING
S-522 SCALE: 1/2" = 1'-0"



RTU PARALLEL TO FRAMING



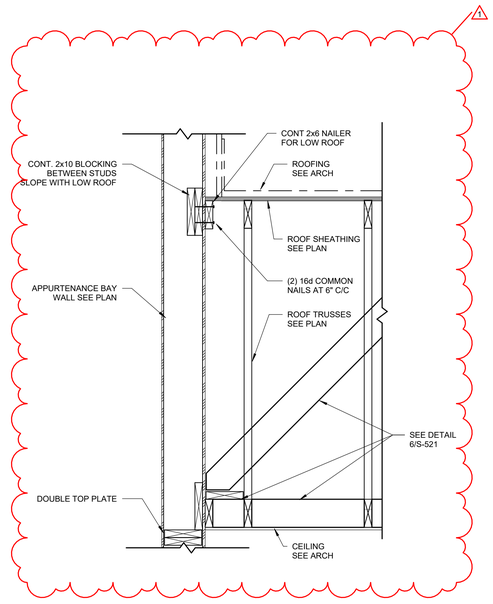
RTU PERPENDICULAR TO FRAMING



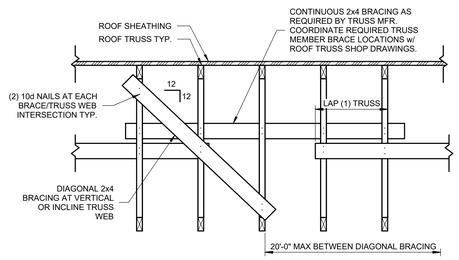
TYPICAL CURB ATTACHMENT DETAIL

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.

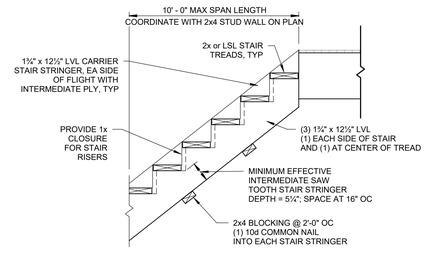
5 TYPICAL RTU FRAMING DETAILS
S-522 SCALE: 3/8" = 1'-0"



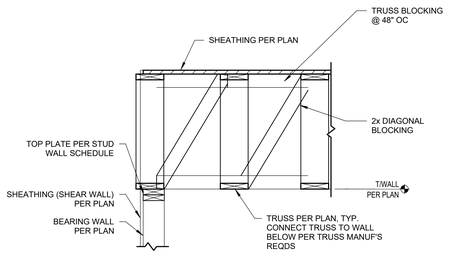
12 LOW ROOF CONNECTION TO HIGH WALL
S-522 SCALE: 1" = 1'-0"



9 ROOF TRUSS WEB PERMANENT BRACING
S-522 SCALE: 3/4" = 1'-0"



8 TYPICAL STAIR STRINGER
S-522 SCALE: 3/4" = 1'-0"



7 TYPICAL TRUSS FRAMING PARALLEL TO PERIMETER WALL
S-522 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.

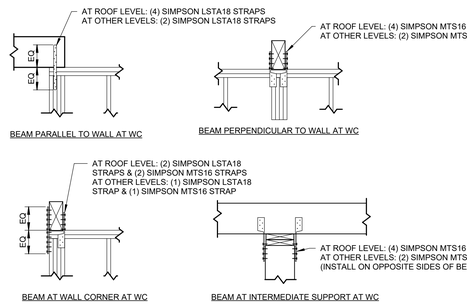
WEB MEMBER BRACING:

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 TRUSS BRACING NOTES
S-522 SCALE: 3/4" = 1'-0"



11 TYPICAL BEAM TIES AT SUPPORTS
S-522 SCALE: 3/4" = 1'-0"

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Jessica Kay Barlow

PROJECT NUMBER:	2025013
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BID AND PERMIT SET	05/14/2026

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FRAMING SCHEDULES, SECTIONS, & DETAILS

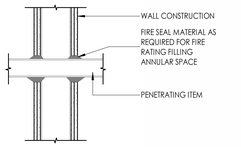
S-522

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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
EJ. 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

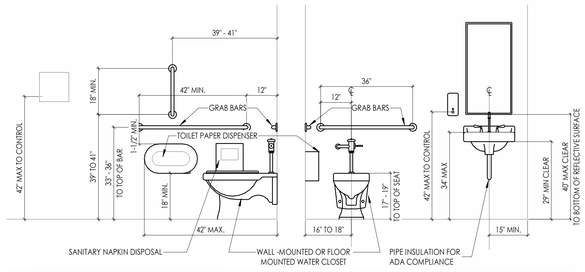
T
T. THICKNESS
T.B. TACK BOARD
TBD TO BE DETERMINED
T.C. TOP OF CURB
T.D. TOP OF DECK
TECH. TECHNICAL
TEL. TELEPHONE
TEMP. TEMPORARY
T&G TONGUE AND GROOVE
T.M. TOP OF MASONRY
TMPRD. TEMPERED
T/O TOP OF
T.P. TOP OF PAVEMENT
T.S. TOP OF STEEL
T.W. TOP OF WALL
TYP. TYPICAL

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.

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.

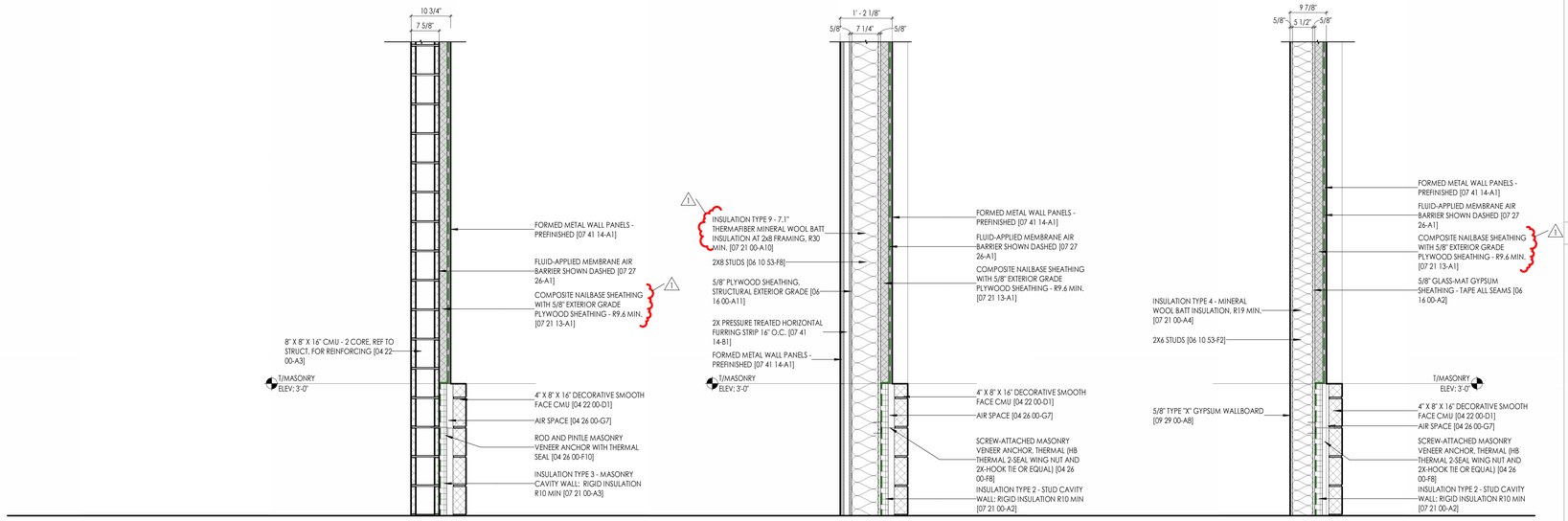
I. SUPPLY, COORDINATE, AND INSTALL ACCESS DOORS, PANELS AND HATCHES IN CEILINGS, WALLS, AND FLOORS; AND NOTIFY ARCHITECT OF ANY CONFLICTS WITH FEATURES SHOWN ON DRAWINGS.

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 — 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
- 1| - 0" — CEILING TAG: CEILING TYPE / CEILING HEIGHT
- 1 — DEMOLITION NOTE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION
- DEMOLISHED CONSTRUCTION
- 01 / A101 — INTERIOR ELEVATION TAG: SHEET NUMBER / ELEVATION NUMBER
- GL-X — GLAZING TYPE
- X — WINDOW TYPE
- SIM / 01 / A101 — SECTION MARKER: SECTION NUMBER / SHEET NUMBER
- XXXXXX [000000] — KIT OF PARTS NOTE: SPEC SECTION REFERENCE / DESCRIPTION
- 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 / Base / Floor — WALL FINISH / BASE FINISH / FLOOR FINISH

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PROJECT NUMBER: 2025013
DRAWN: JF CHECKED: AT
BID AND PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

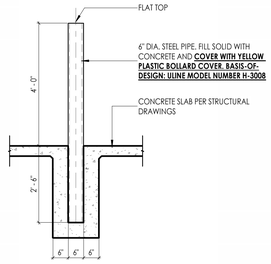
NINEVEH FIRE STATION 101

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NINEVEH, IN 46164

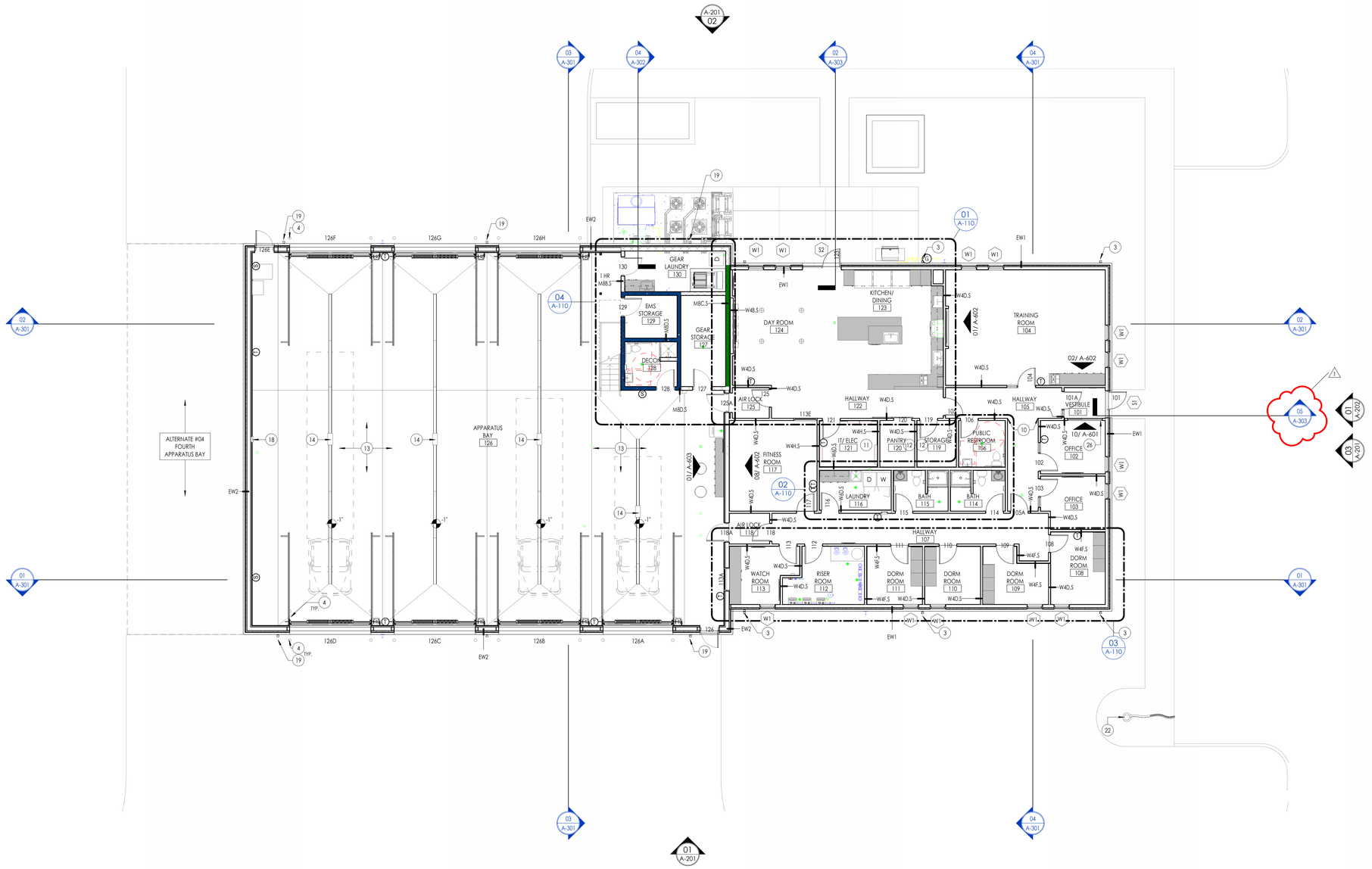
GENERAL NOTES, SYMBOLS, LEGENDS AND EXTERIOR WALLS

A-001

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02 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



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.

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STRUCTURAL COLUMNS FOR MEZZANINE STAIR LANDING. REFER TO STRUCTURAL DRAWINGS.

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1	ADDENDUM No. 1	06/04/2026

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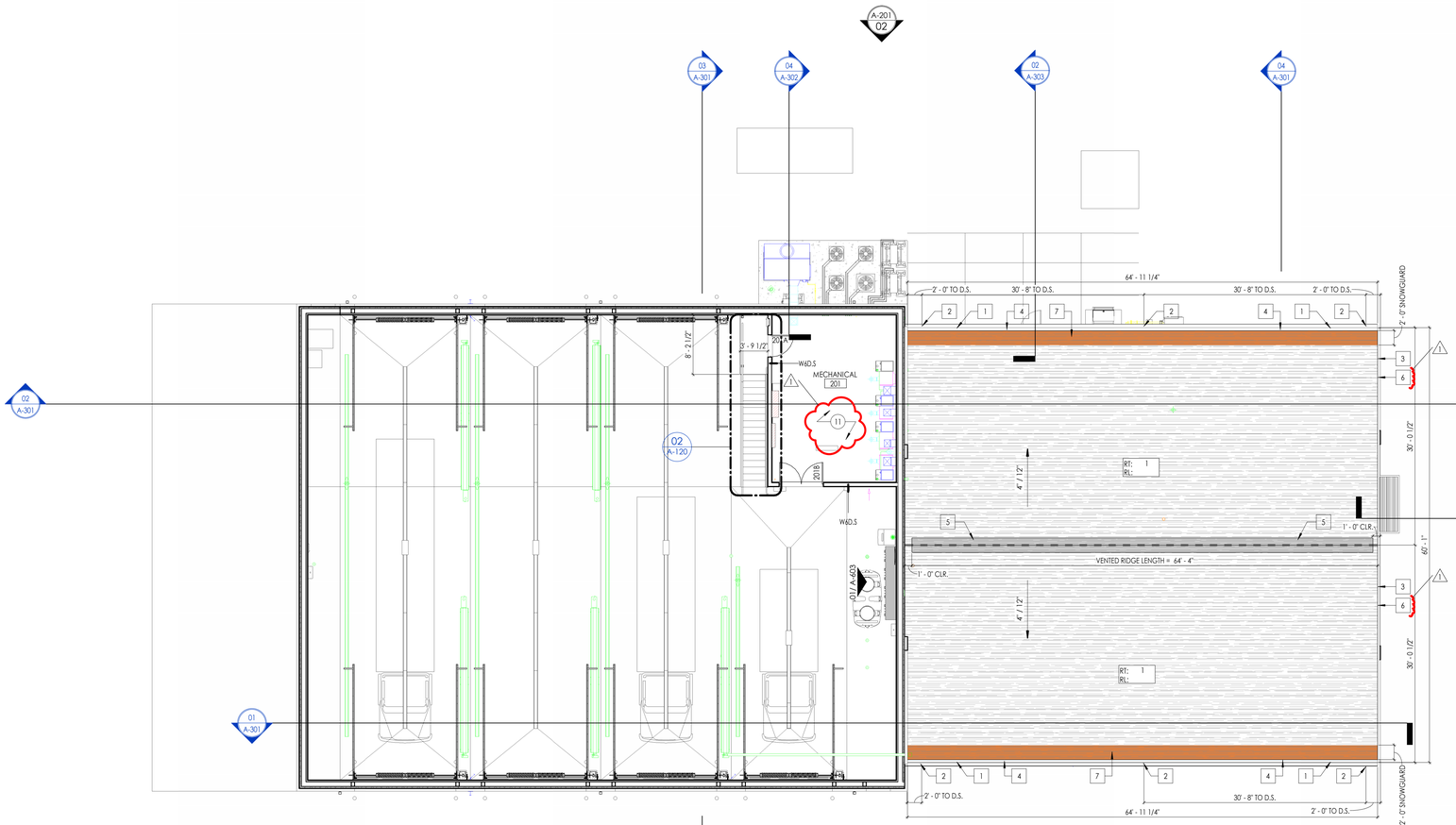
NINEVEH FIRE STATION 101

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NINEVEH, IN 46164

FIRST FLOOR CONSTRUCTION PLAN

A-101

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GENERAL PLAN NOTES

A. REFER TO A-001 AND A-002 FOR GENERAL NOTES, WALL TYPES, SYMBOLS AND TYPICAL CONSTRUCTION DETAILS.

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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.
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STRUCTURAL COLUMNS FOR MEZZANINE STAIR LANDING. REFER TO STRUCTURAL DRAWINGS.

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 PRE-FINISHED 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.
6A PRE-FINISHED .063" METAL FASCIA AND CONTINUOUS CLEAT. MFG: METAL ERA. 24 GAUGE. FINISH TO MATCH MT3.
7 ALTERNATE #05: PROVIDE SNOW GUARDS FOR THE METAL ROOFING SYSTEM AT THE BOTTOM OF ALL SLOPED LOCATIONS (SHOWN HATCHED ORANGE). COLOR IS TO MATCH THE METAL ROOF PANELS.

01 MEZZANINE FLOOR PLAN AND LOW ROOF CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

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SAUNDRA DOE DREW WHITE — REGISTERED No. AR-1940008 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER:	2025013
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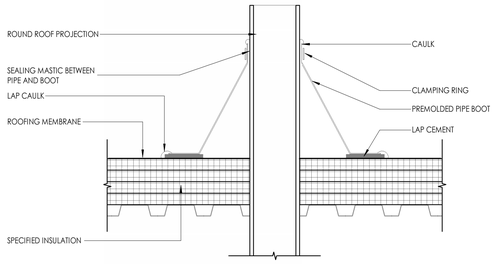
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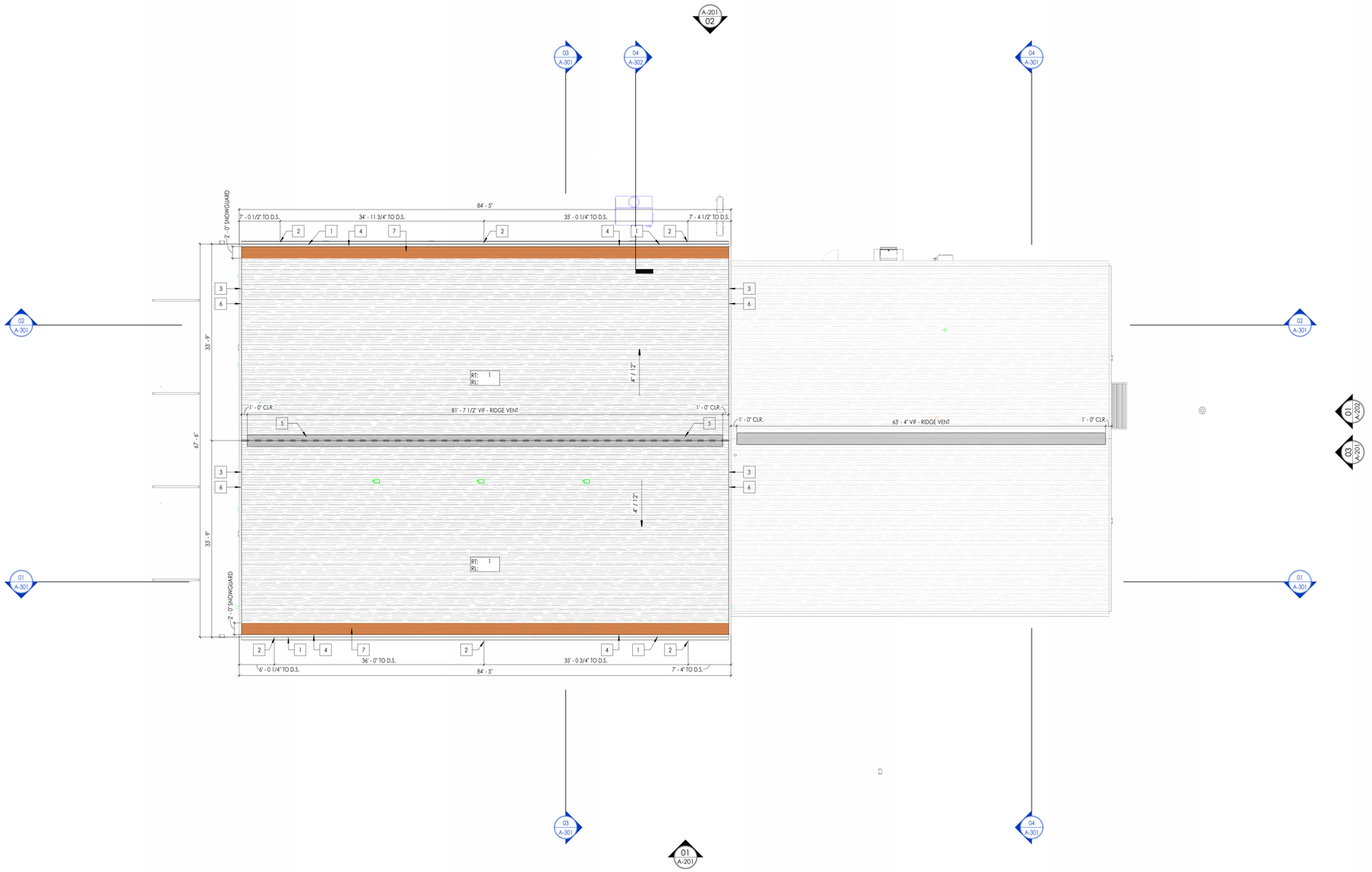
MEZZANINE CONSTRUCTION PLAN

A-102

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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 PRE-FINISHED 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.

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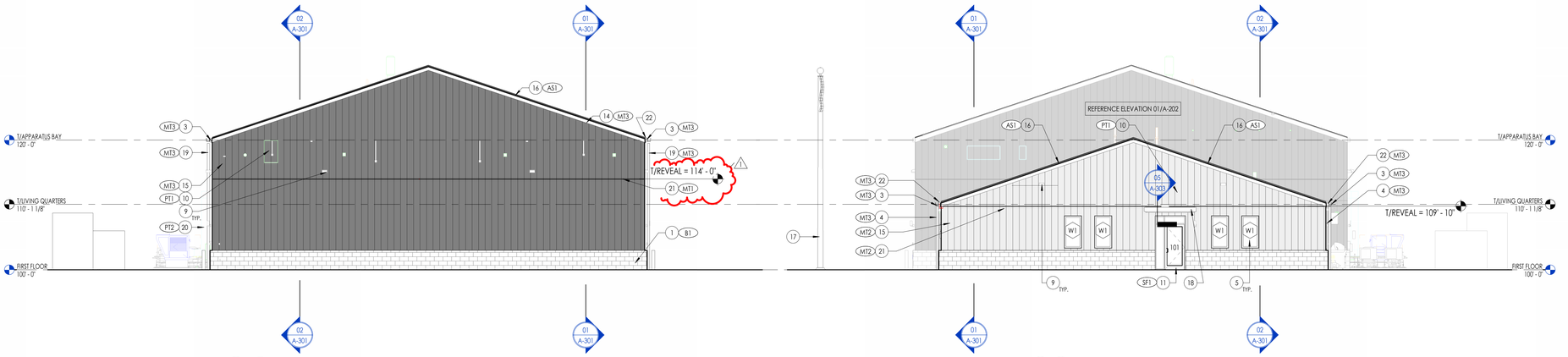
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ROOF PLAN

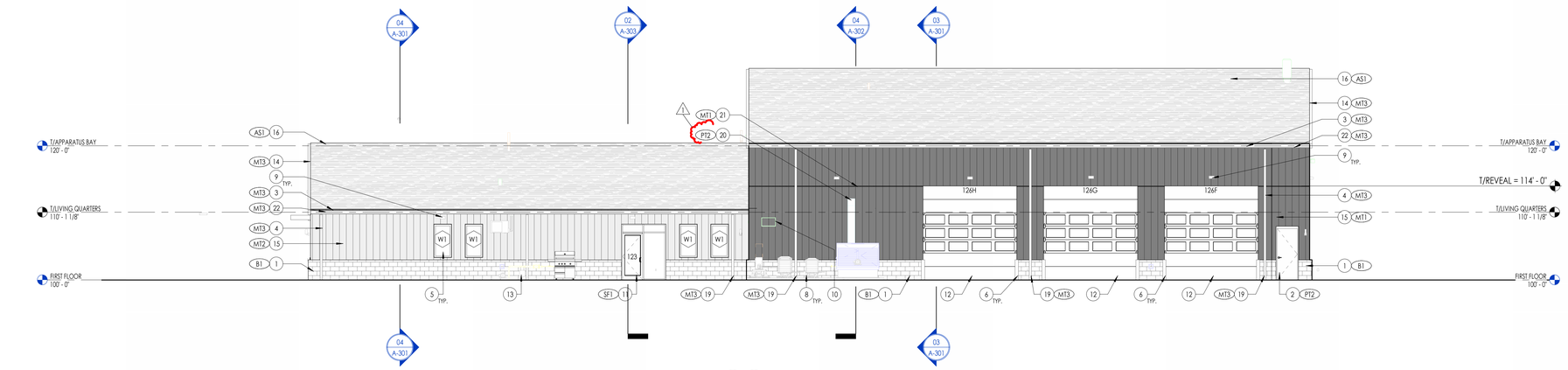
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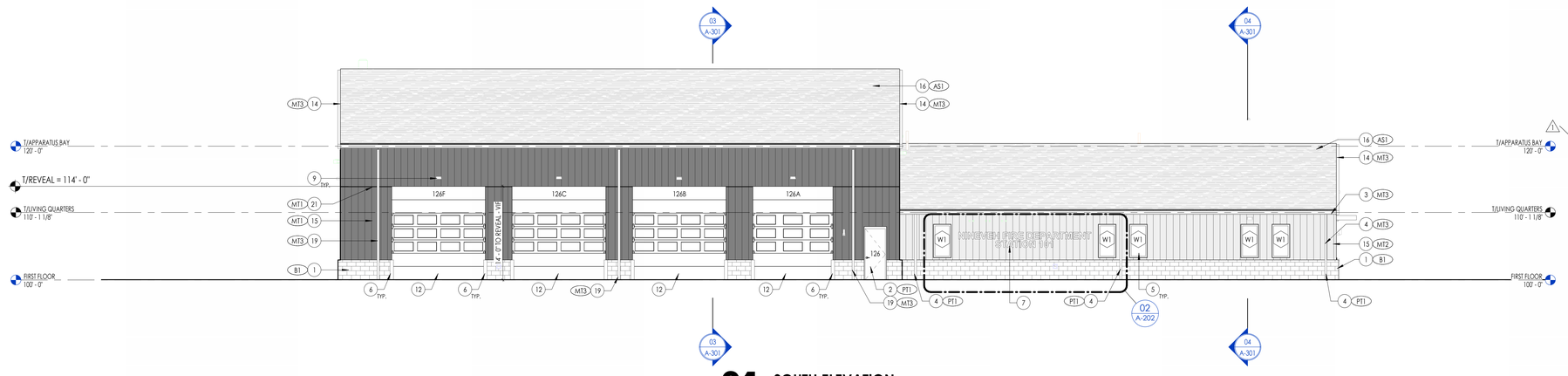


04 WEST ELEVATION
SCALE: 1/8" = 1'-0"

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.
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12 OVERHEAD SECTIONAL DOOR - INSULATED AS BASE BID. BASIS-OF-DESIGN: RAYNOR TM220 [08 36 1]
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15 FORMED METAL WALL PANEL. [07 42 13.13]
16 ASPHALT SHINGLE ROOF. [07 41 13.16]
17 FLAG POLE. [10 75 16]
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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: OWENS CORNING MODEL: DURATION FLEX FINISH: ONYX BLACK
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

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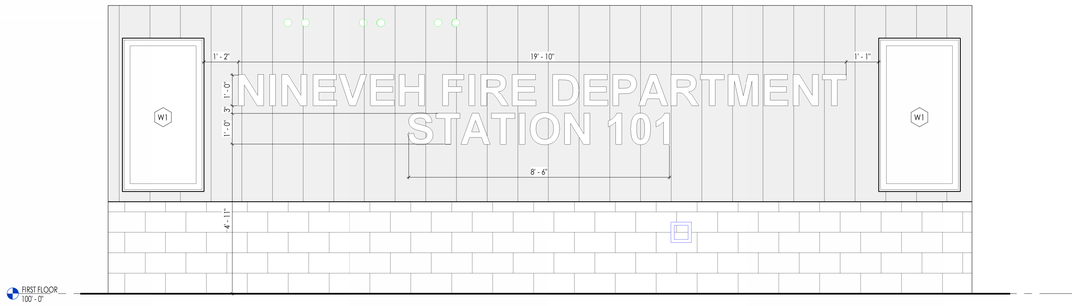
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EXTERIOR ELEVATIONS

A-201

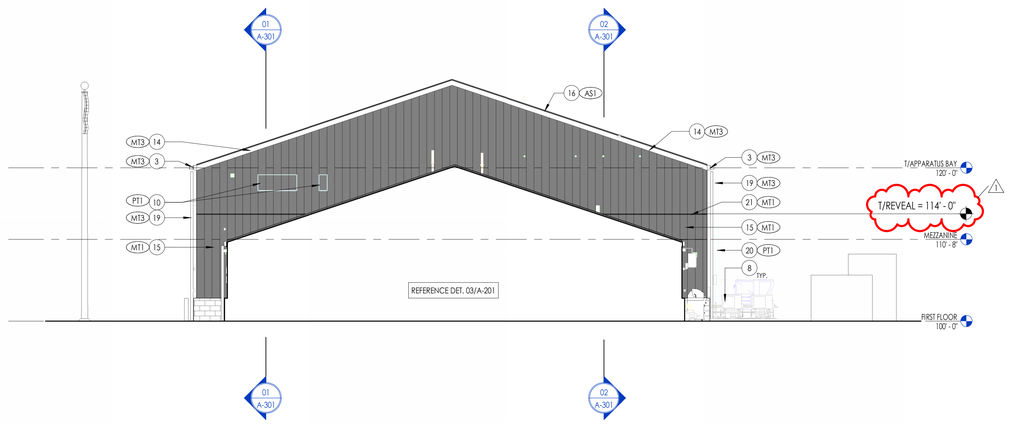
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ELEVATION

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.

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C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC.

SYMBOLS

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XX — EXTERIOR FINISH MATERIAL

XX — WINDOW TYPE

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REGISTERED
No AR-19400008
STATE OF
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ARCHITECT

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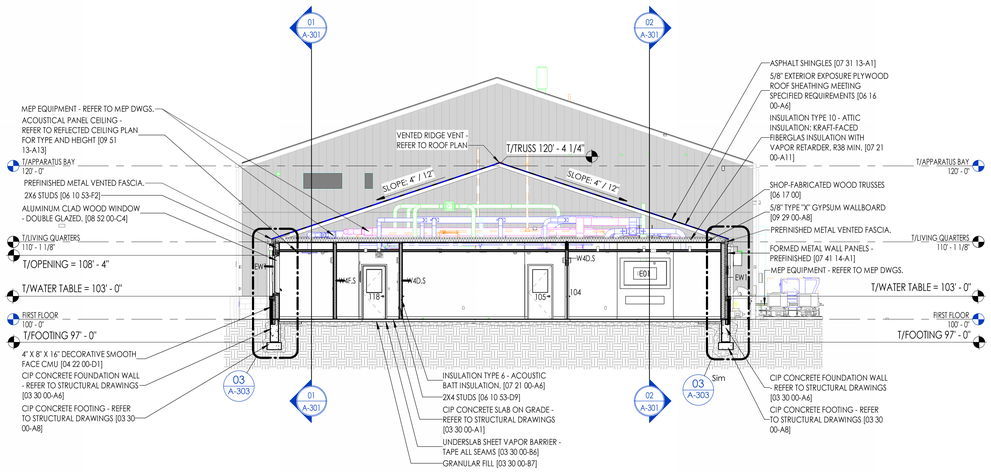
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EXTERIOR ELEVATIONS

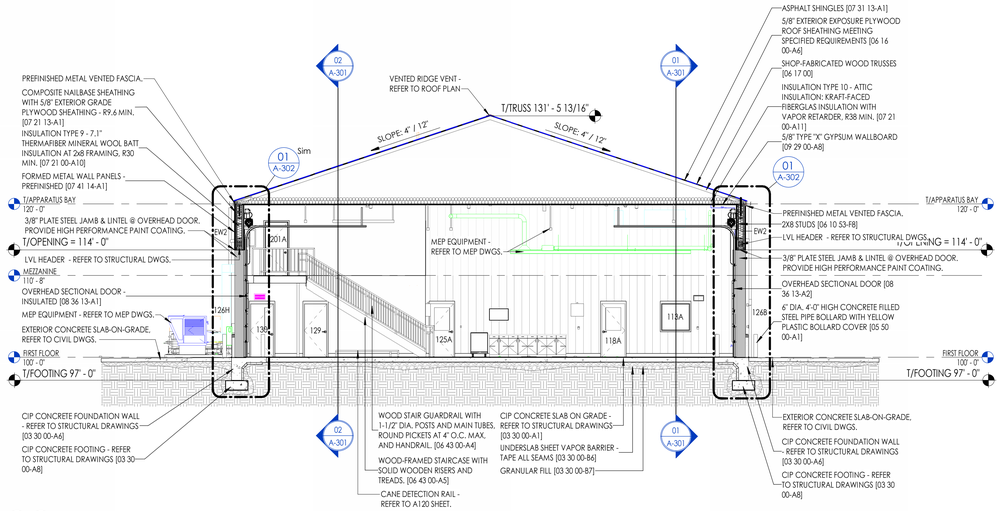
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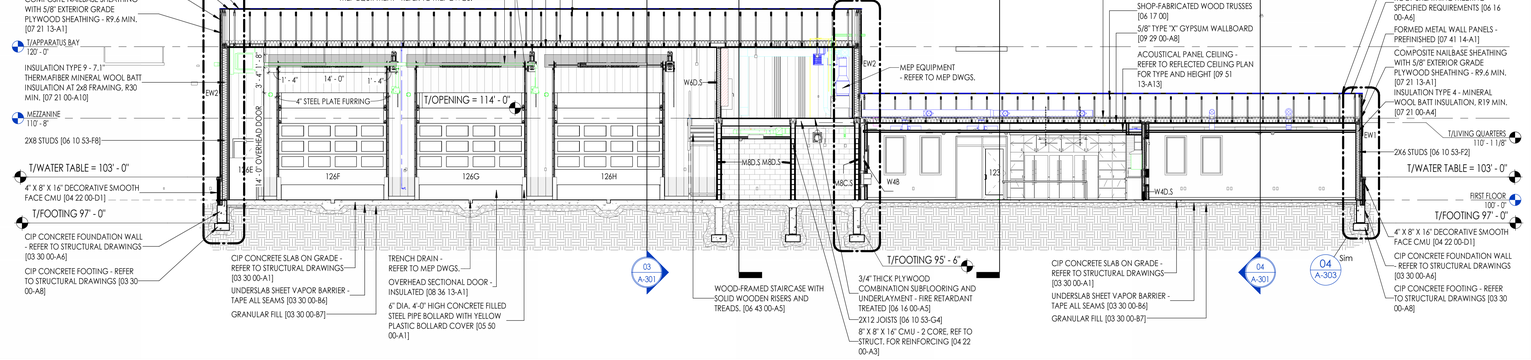
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SCALE: 1/8" = 1'-0"



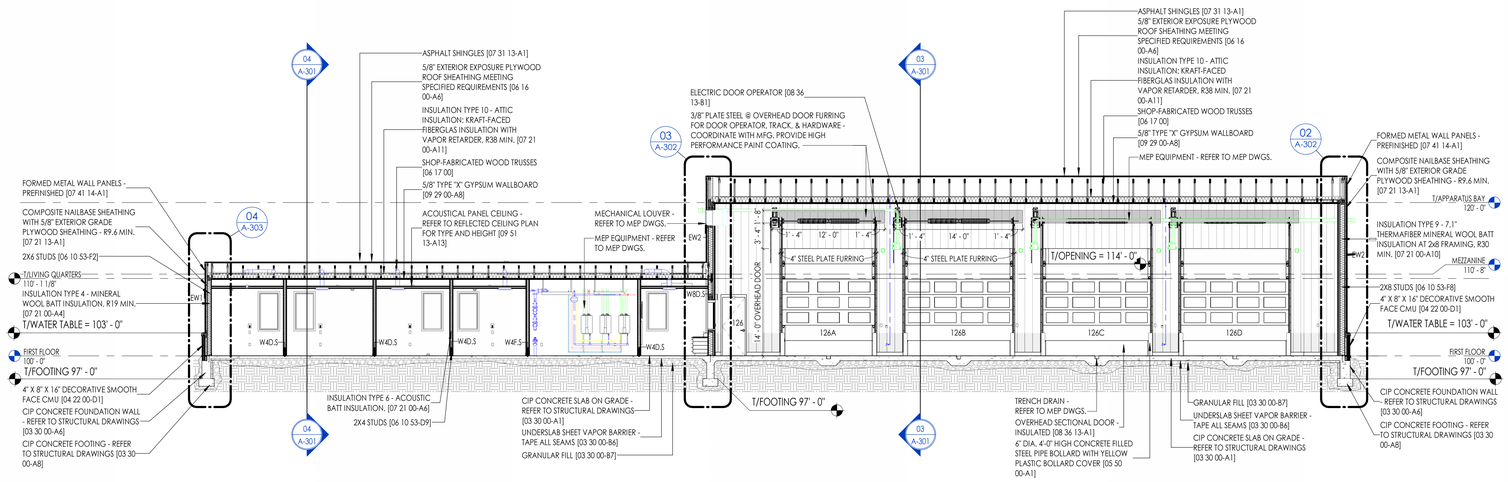
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SCALE: 1/8" = 1'-0"



02 BUILDING SECTION E/W 2

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



01 BUILDING SECTION E/W 1

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

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BRANDON EDGE DREW WHITE
REGISTERED No. AR-19400068
STATE OF INDIANA
ARCHITECT

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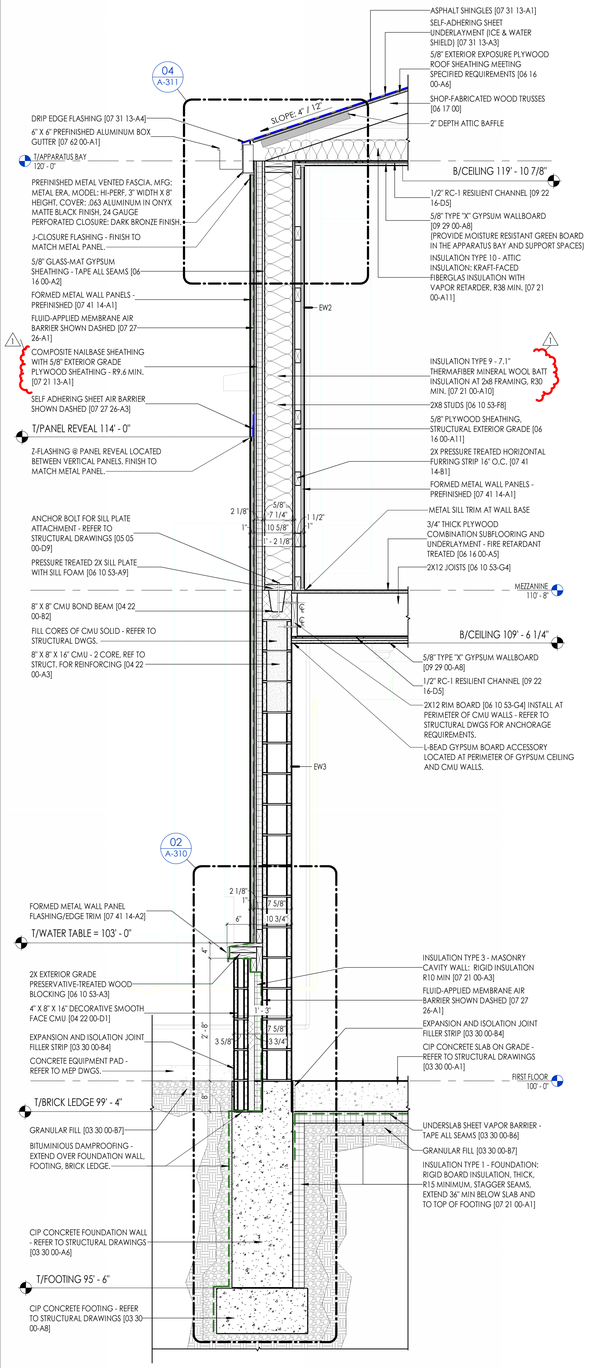
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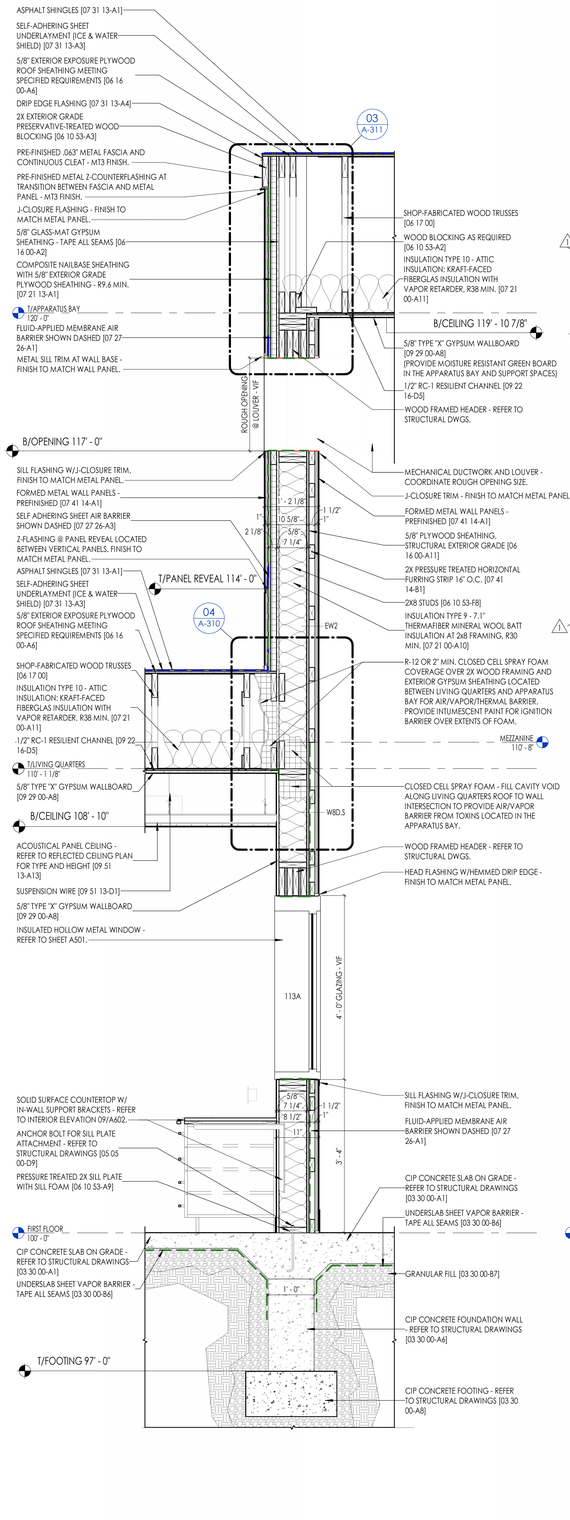
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BUILDING SECTIONS

A-301

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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"

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DANIEL EDGE 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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

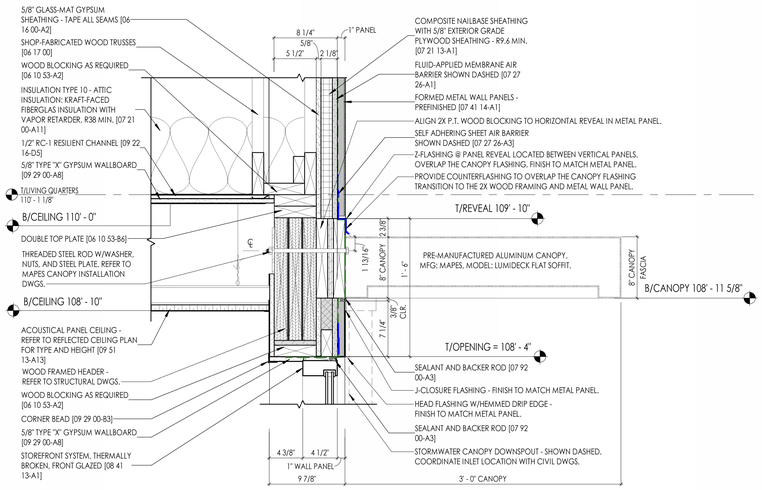
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

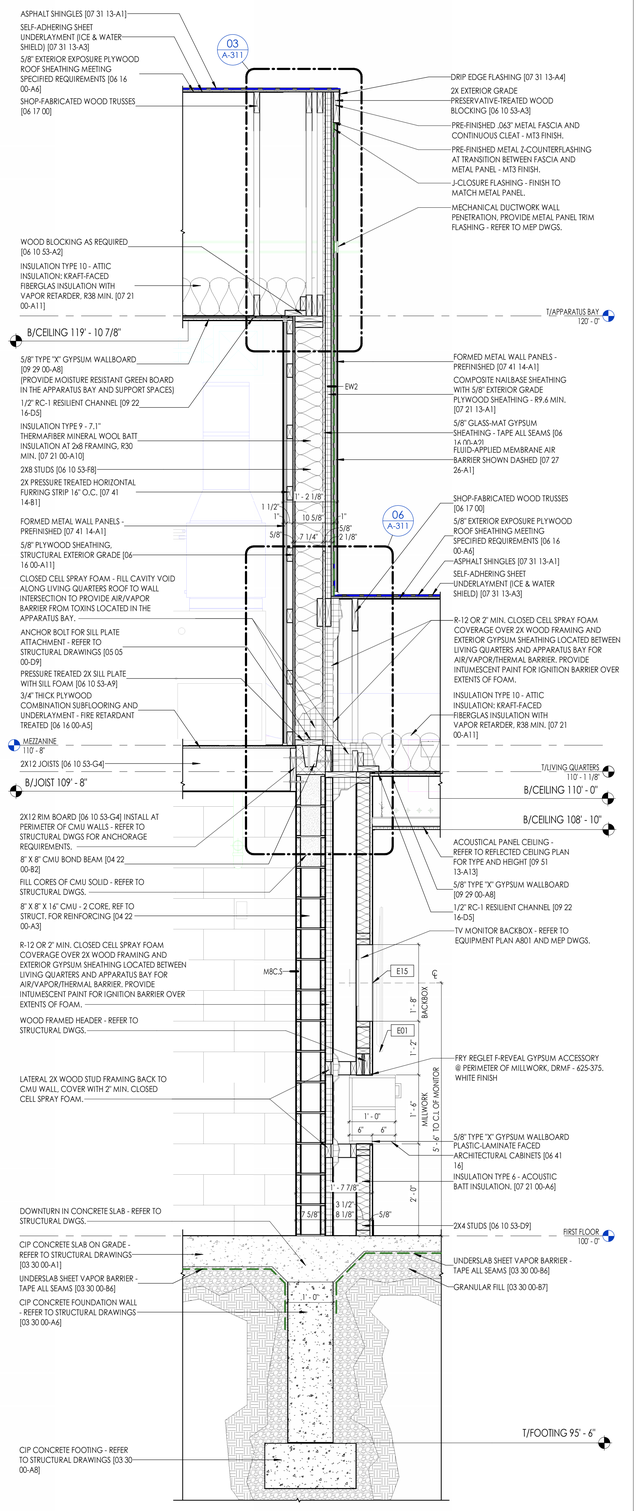
WALL SECTIONS

A-302

4/14/2026 9:18:37 PM
Autodesk Docs://2025013 - Nineveh Twp FD Station 101/2025013 - Nineveh Twp FD Station 101 - ARS_v26.rvt



05 **SECTION DETAIL - CANOPY**
SCALE: 1 1/2" = 1'-0"



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"

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DANIEL DREW WHITE
REGISTERED
No. AR-19400088
STATE OF INDIANA
ARCHITECT

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

REVISIONS

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1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

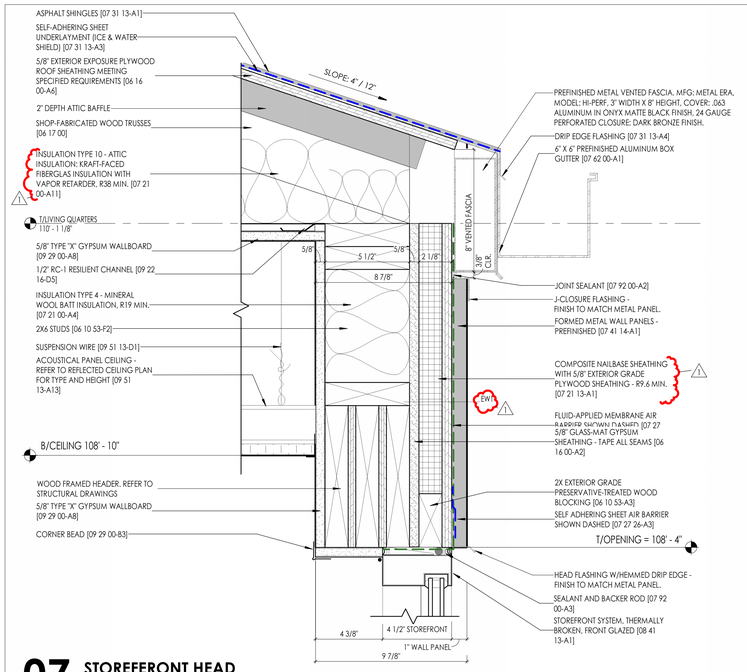
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

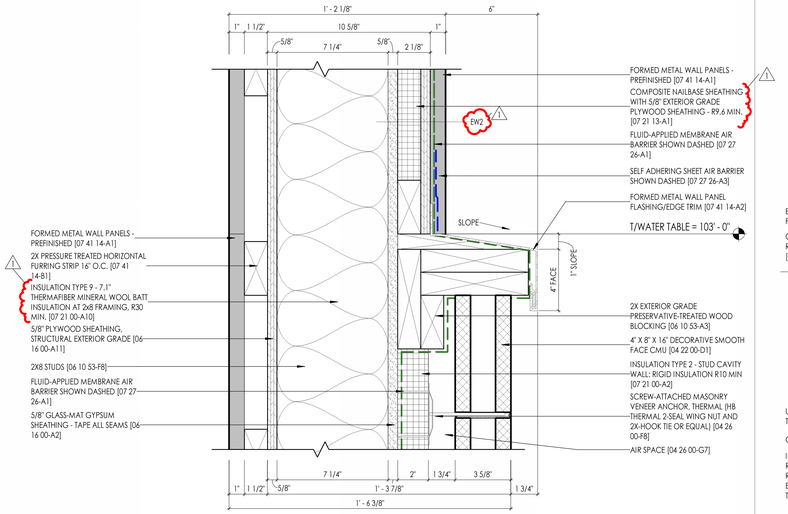
WALL SECTIONS

A-303

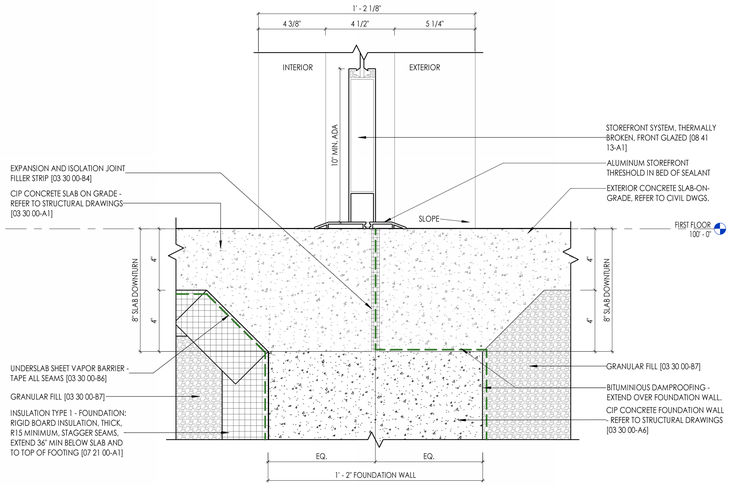
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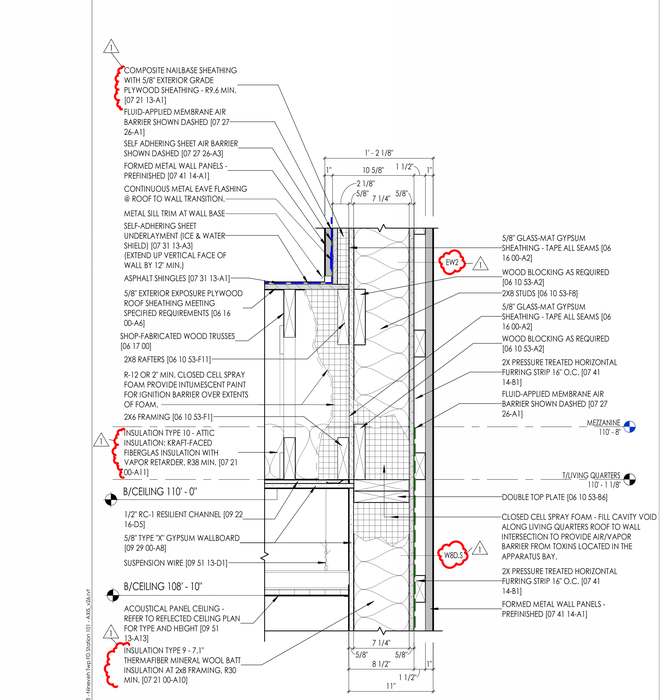
07 STOREFERONT HEAD
SCALE: 3" = 1'-0"



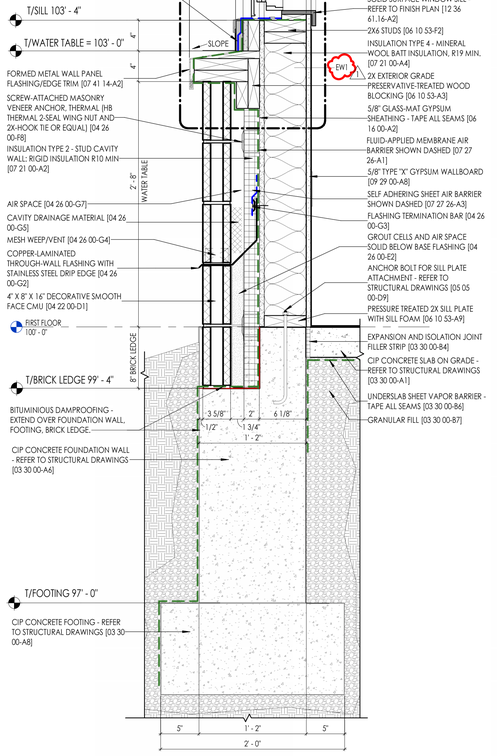
06 METAL PANEL TRANSITION
SCALE: 3" = 1'-0"



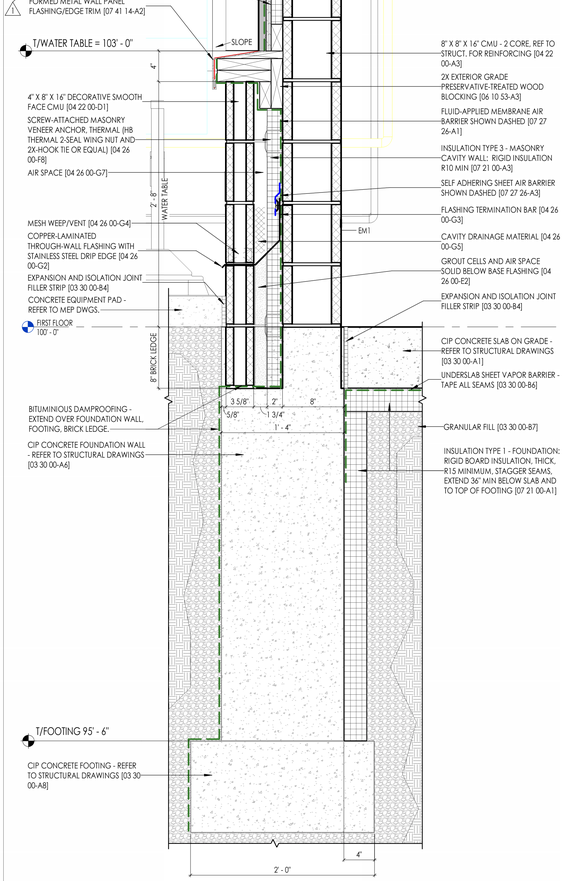
05 FOUNDATION - STOREFERONT SILL
SCALE: 3" = 1'-0"



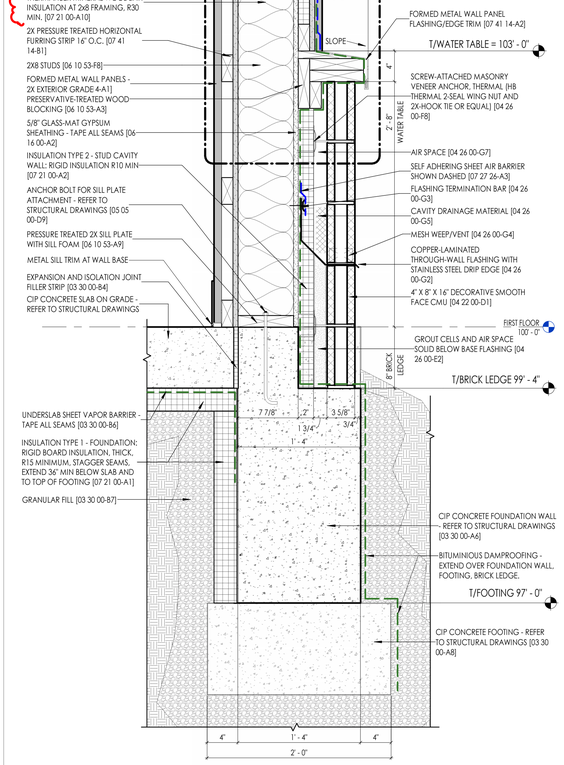
04 LIVING QUARTERS ROOF TRANSITION
SCALE: 1 1/2" = 1'-0"



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"

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DANIEL RIDGE 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
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NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

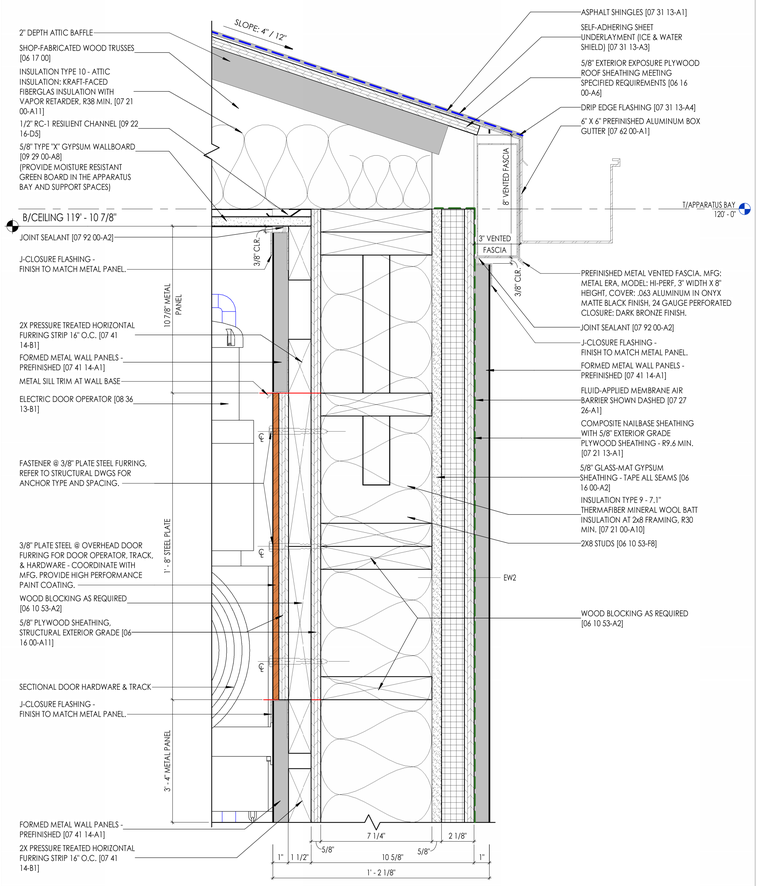
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

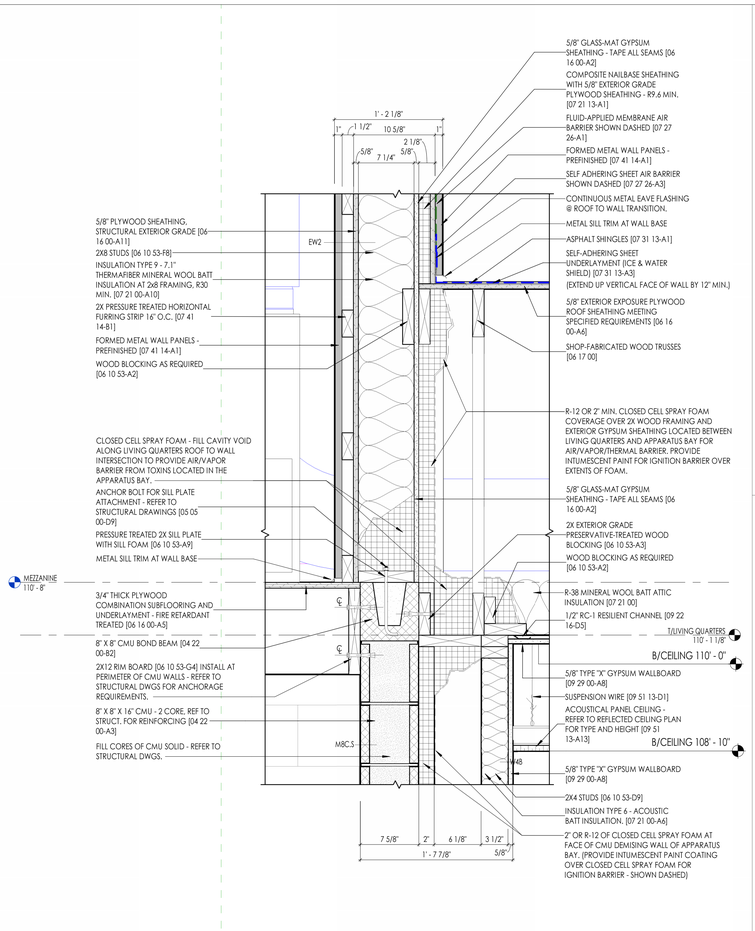
SECTION DETAILS

A-310 1

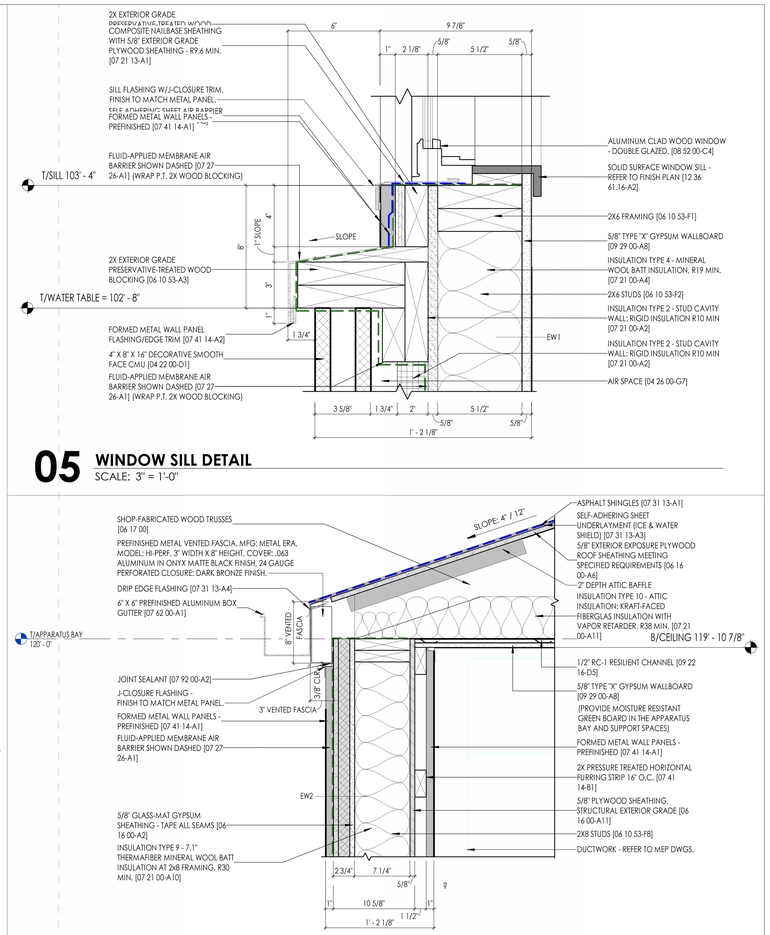
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07 APPARATUS BAY OH DOOR OPERATOR HEADER
SCALE: 3" = 1'-0"

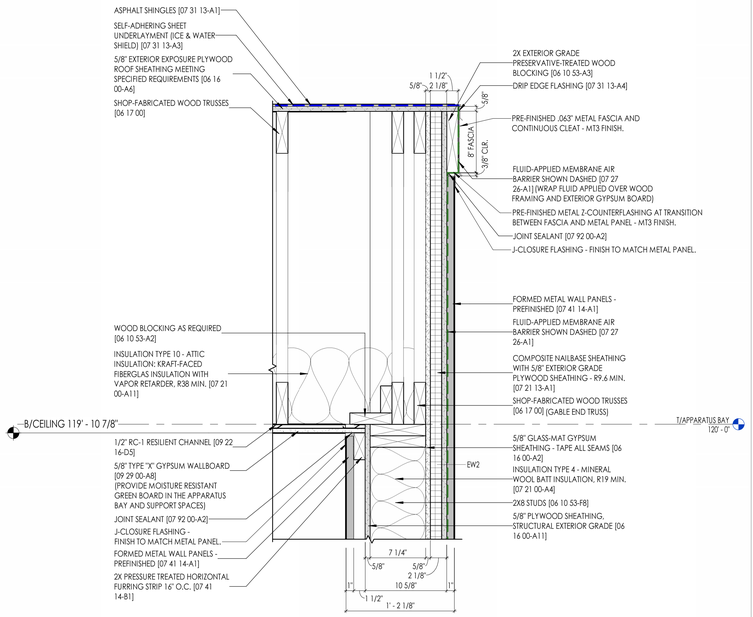


06 CMU TO STUD @ DEMISING WALL
SCALE: 1 1/2" = 1'-0"

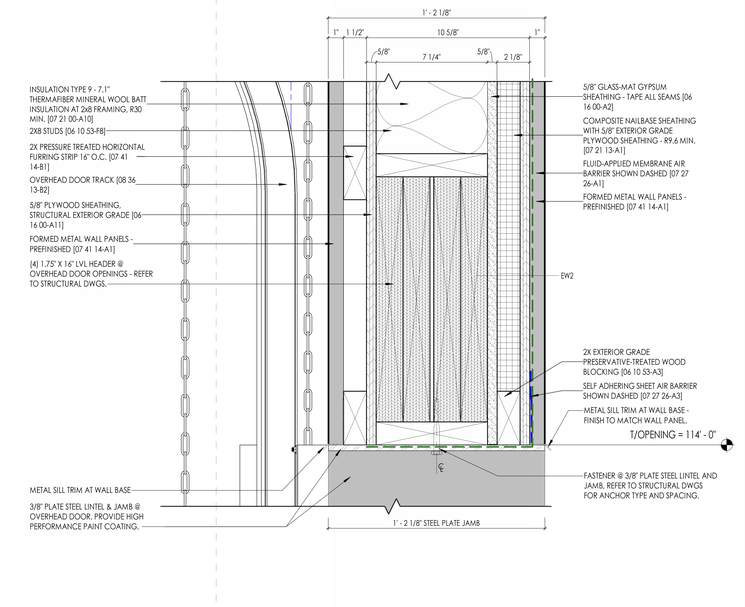


05 WINDOW SILL DETAIL
SCALE: 3" = 1'-0"

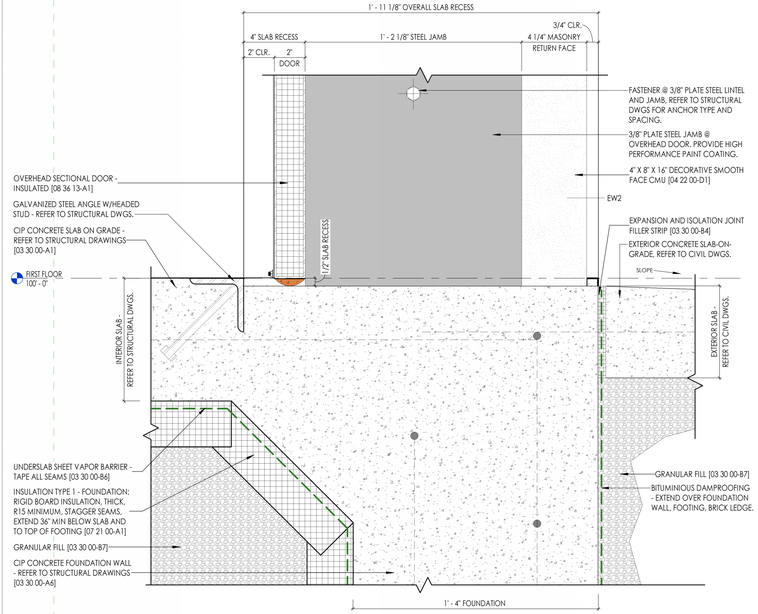
04 ROOF EDGE N/S - APPARATUS BAY
SCALE: 1 1/2" = 1'-0"



03 ROOF EDGE E/W - APPARATUS BAY
SCALE: 1 1/2" = 1'-0"



02 APPARATUS BAY OH DOOR HEAD
SCALE: 3" = 1'-0"



01 APPARATUS BAY OH DOOR SILL
SCALE: 3" = 1'-0"

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CRANDRIDGE, DREW, WHITE — REGISTERED No AR-19400008 — STATE OF INDIANA — ARCHITECT

PROJECT NUMBER: 2025013
DRAWN: AUTHOR CHECKED: CHECKER
BID AND PERMIT SET 06/03/2026

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

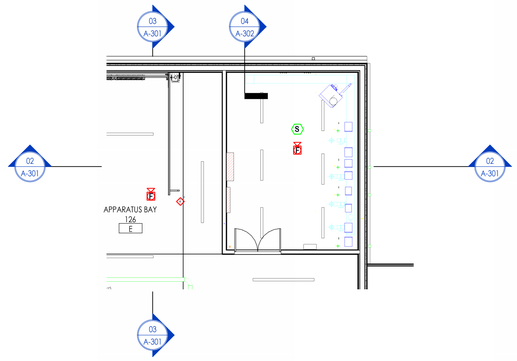
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

SECTION DETAILS

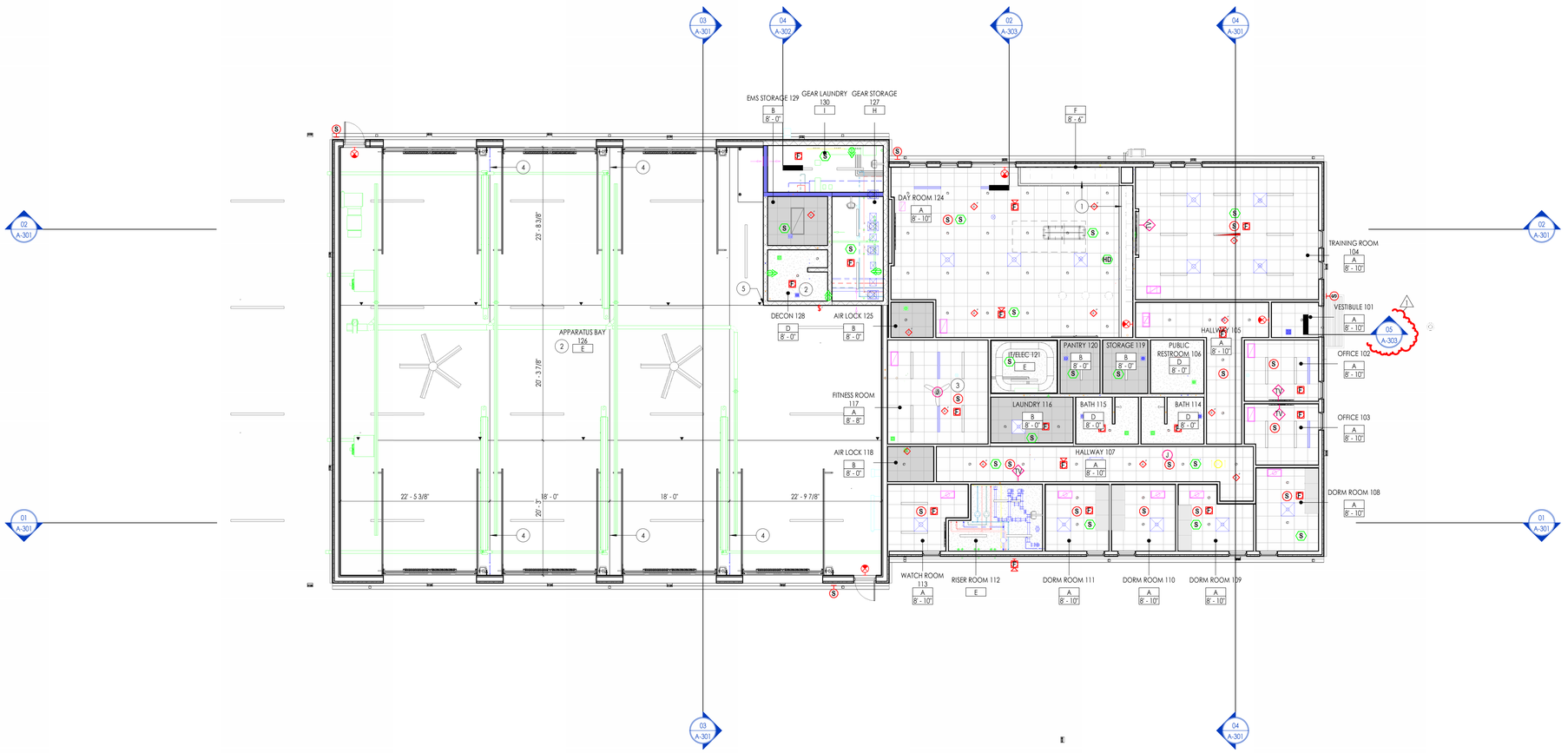
A-311

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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.

L. PROVIDE MOISTURE-RESISTANT GYPSUM GREEN BOARD AT ALL CEILINGS IN ALL BATHROOMS, JANITOR CLOSETS, APPARATUS BAY, AND APPARATUS BAY SUPPORT ROOMS.

CEILING LEGEND

2x2 LAY-IN CEILING GRID

GYPSUM BOARD CEILING OR GYPSUM BOARD BULKHEAD

CEILING TAG

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	5/8" MOISTURE-RESISTANT GYPSUM GREEN BOARD CEILING ON GRID SUSPENSION SYSTEM. REFER TO FINISH PLAN FOR PAINTING.
E	5/8" MOISTURE-RESISTANT GYPSUM GREEN BOARD CEILING ON 1/2" 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 ½" 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 PAINTED P2. REFER TO GENERAL FINISH NOTES.

3 COORDINATE THE MECHANICAL DUCTWORK AND LIGHTING FIXTURES IN THIS ROOM. REFER TO MEP DRAWINGS FOR EXACT LOCATIONS.

4 CONTROL JOINT TO BE CENTERED BETWEEN THE OVERHEAD DOORS.

5 CONTROL JOINT TO ALIGN WITH FACE OF CMU WALL.

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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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR REFLECTED CEILING PLAN

A-401

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6/4/2026 9:59:05 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	Yes	2
118A	AIR LOCK	3' - 0"	7' - 0"	1 3/4"	D5	HM	PT	GL-1	F1	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	Yes	2
125A	AIR LOCK	3' - 0"	7' - 0"	1 3/4"	D5	HM	PT	GL-1	F1	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	IHM	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"	D5	IHM	PT	GL-1	F1	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	IHM	PT	GL-1	F2	HM	PT	H1	J1		45 MIN.	19.0	No	
MEZZANINE																		
201A	MECHANICAL	3' - 0"	7' - 0"	1 3/4"	D2	IHM	PT	--	F1	HM	PT	H2	J2		-	5.0	No	
201B	MECHANICAL	6' - 0"	7' - 0"	1 3/4"	D3	IHM	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

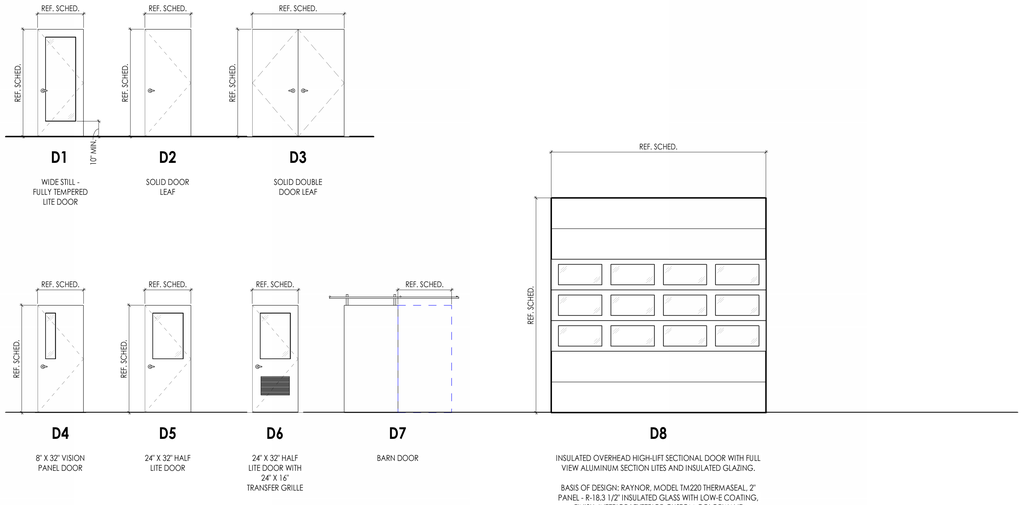
GL-1 1/4" FULLY TEMPERED CLEAR FLOAT GLASS

IGL-1 1" CLEAR INSULATING GLASS WITH LOW-E COATING, FULLY TEMPERED
BASIS OF DESIGN: VIRACON LOW-E VNE1-63
LOCATION: EXTERIOR STOREFRONT SYSTEM

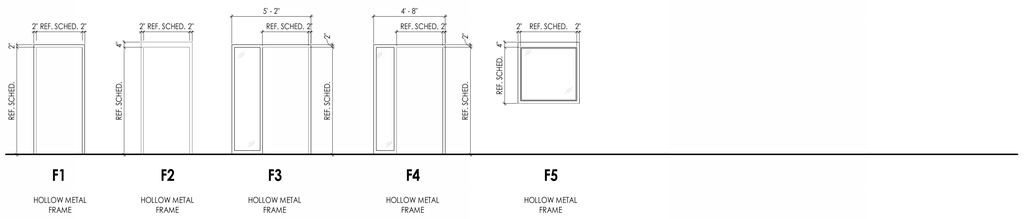
IGL-2 1" CLEAR INSULATING GLASS WITH LOW-E COATING, FULLY TEMPERED
BASIS OF DESIGN: PELLA ADVANCED LOW-E IG
LOCATION: ALUMINUM-CLAD WOOD WINDOWS

**REFER TO PROJECT MANUAL FOR COMPLETE GLAZING SPECIFICATION.

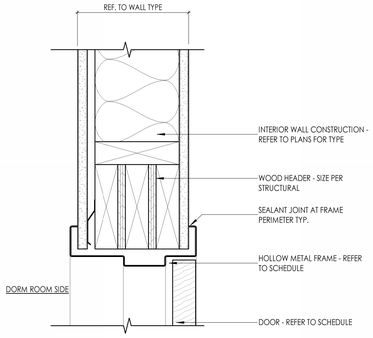
**CONTRACTOR TO PROVIDE FULLY TEMPERED LITES IN ALL LOCATIONS REQUIRED BY CODE INCLUDING BATHROOMS AND WITHIN 30" OF FLOOR



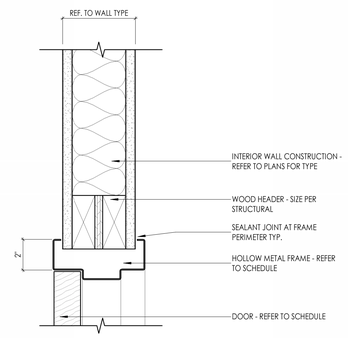
DOOR TYPES
SCALE: 1/4" = 1'-0"



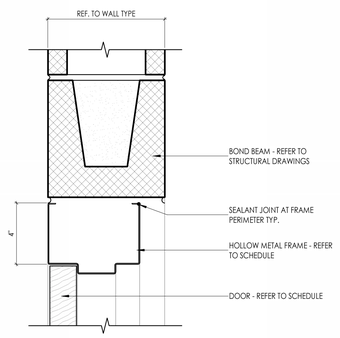
DOOR FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



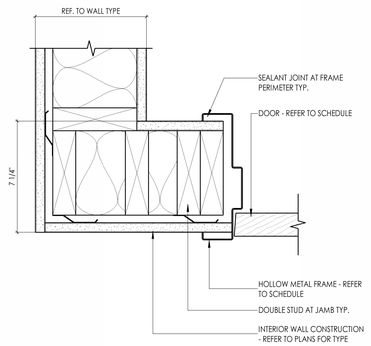
H3 HEAD DETAIL
SCALE: 3" = 1'-0"



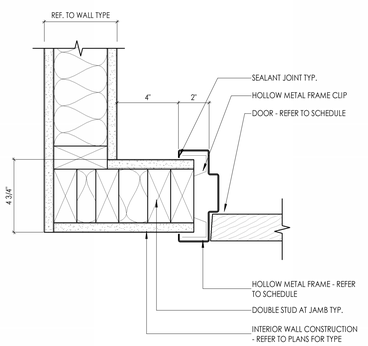
H2 HEAD DETAIL
SCALE: 3" = 1'-0"



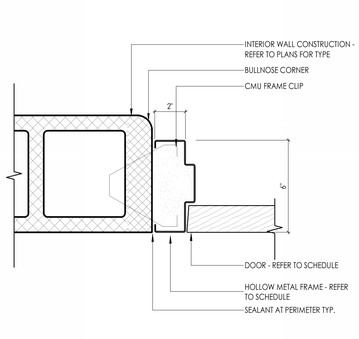
H1 HEAD DETAIL
SCALE: 3" = 1'-0"



J3 JAMB DETAIL
SCALE: 3" = 1'-0"



J2 JAMB DETAIL
SCALE: 3" = 1'-0"



J1 JAMB DETAIL
SCALE: 3" = 1'-0"

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Nineveh, Indiana 46164

OWNER'S REPRESENTATIVE
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PH 317-431-3863

CIVIL ENGINEER + LANDSCAPE ARCHITECT
HWC ENGINEERING
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STRUCTURAL ENGINEER
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Louisville, Kentucky 40204
PH 812-449-6961

MEP ENGINEER
CIRCLE DESIGN GROUP
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Indianapolis, Indiana 46280
PH 317-853-2614

CHANDLER 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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

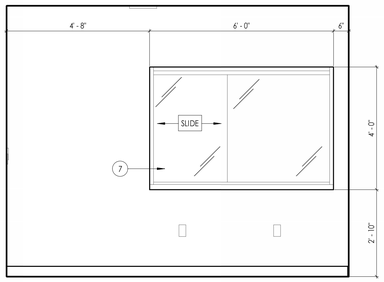
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

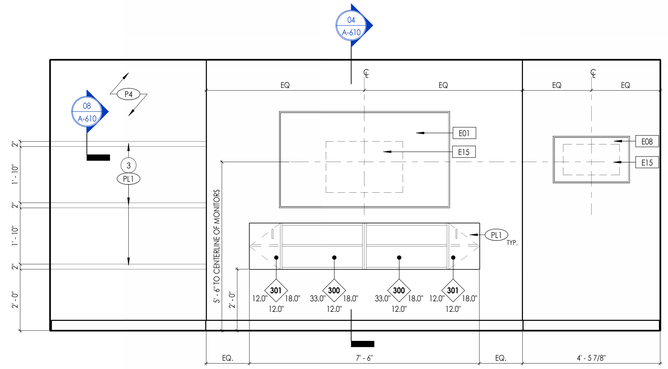
DOOR SCHEDULE

A-501

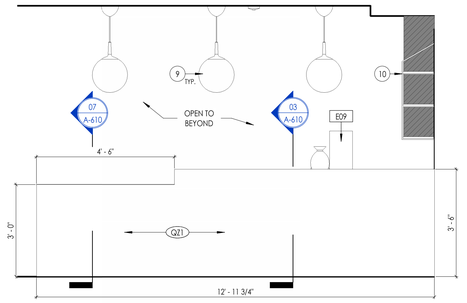
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6/4/2026 9:19:06 PM



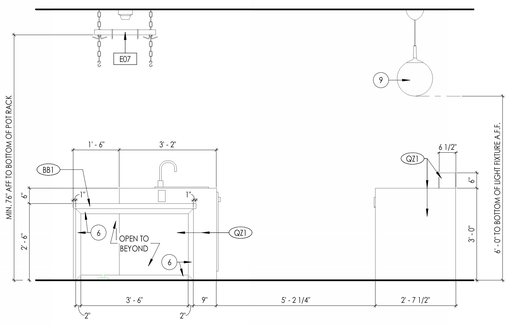
10 OFFICE 102 - PLAN NORTH
SCALE: 1/2" = 1'-0"



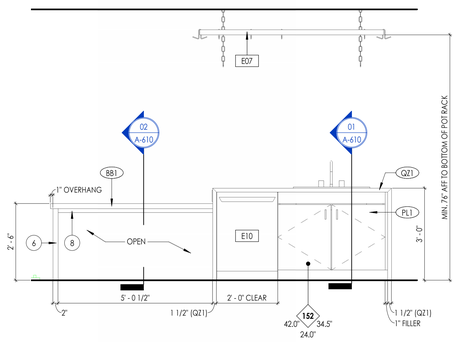
09 DAY ROOM 124 - PLAN WEST
SCALE: 1/2" = 1'-0"



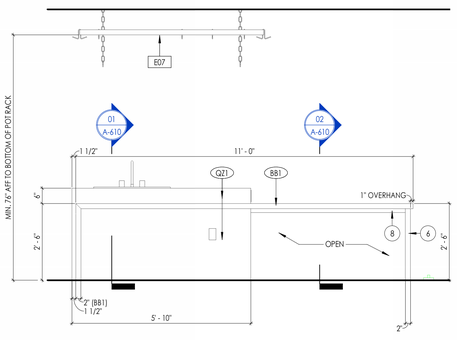
08 CORRIDOR 122/105 - PLAN NORTH
SCALE: 1/2" = 1'-0"



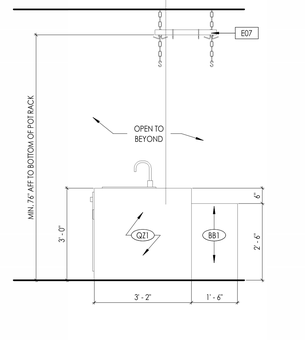
07 KITCHEN AND DINING 123 - PLAN WEST
SCALE: 1/2" = 1'-0"



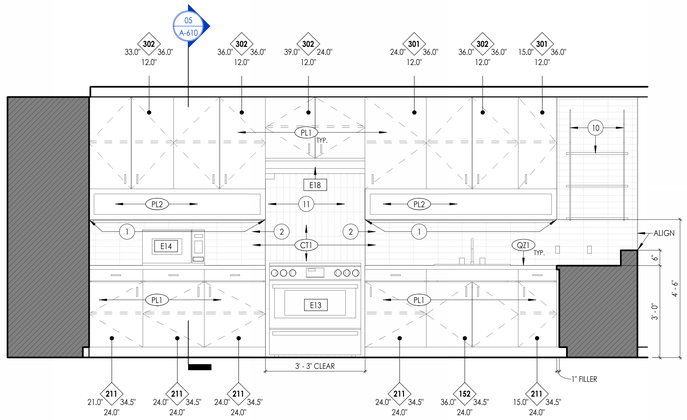
06 KITCHEN/DINING 123 - ISLAND BACK
SCALE: 1/2" = 1'-0"



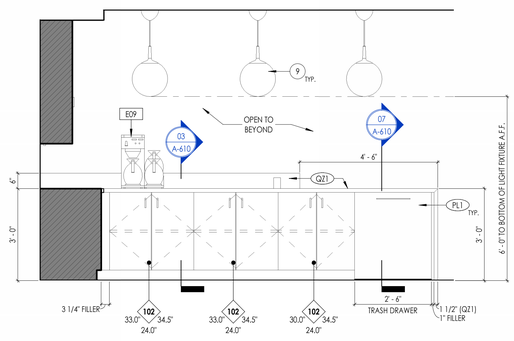
05 KITCHEN/DINING 123 - ISLAND FRONT
SCALE: 1/2" = 1'-0"



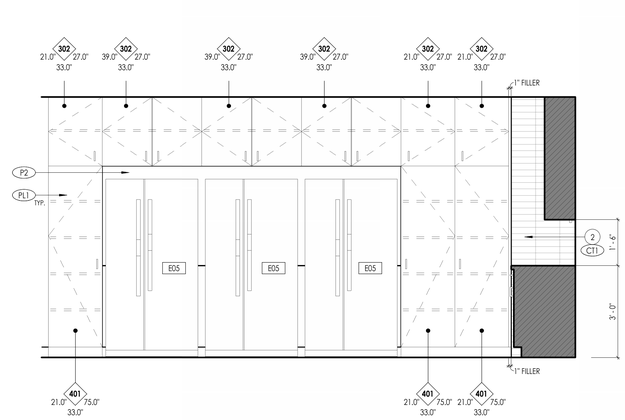
04 KITCHEN/DINING 123 - ISLAND SIDE
SCALE: 1/2" = 1'-0"



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-504 AND A-505 FOR WINDOW/STOREFRONT ELEVATIONS.
B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.
C. REFER TO ARCHITECTURAL PLANS, INTERIOR ELEVATIONS, AND FINISH 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 1/2" FRONT EDGE.
F. WET AREAS:
   a. IN ROOMS THAT HAVE A WET WALL AND POSSIBLE EXPOSED PLUMBING LINES (SUCH AS RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, AND KITCHENS), ALL WALLS AND CEILINGS ARE TO RECEIVE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   b. WHERE TILE IS SPECIFIED, TILE BACKER BOARD SHALL BE USED IN LIEU OF MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   c. ALL WALL LOCATIONS ADJACENT TO A WATER SOURCE THAT DO NOT HAVE IMPERMABLE FINISH MATERIALS INSTALLED ARE TO HAVE MOISTURE RESISTANT GYPSUM GREEN BOARD WITH EPOXY PAINT FINISH.
G. PROVIDE HIGH IMPACT GYPSUM WALLBOARD IN FITNESS ROOM.
H. TYPICAL COUNTERTOP SUPPORT BRACKET: RAKKS CONCEALED EH COUNTERTOP SUPPORT BRACKET, MODEL NO: EH-1818FM, FINISH: OFF-WHITE. CONTRACTOR TO DETERMINE ADEQUATE SPACING AS REQUIRED BY MANUFACTURER.

DOORS:
A. IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS (**P2**). REFER TO FINISH PLAN AND DOOR SCHEDULE.
B. DOOR FRAMES TO BE PAINTED SEMI-GLOSS (**P2**).

PAINTING:
A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.
   CEILINGS: FLAT - 1 CT. ZERO VOC LATEX PRIMER, 2 CT. ZERO VOC INTERIOR LATEX FINISHINGS SYSTEM.
   DRYWALL: EGGSHELL, LEVEL 4 FINISH.
   DOOR FRAMES: SEMI-GLOSS, ENAMEL.
   WET WALLS: 1 CT. LATEX PRIMER, 2 CT. PRO INDUSTRIAL PRE-CATALYZED WATER-BASED EPOXY.
   STEEL: 1 CT. PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, 2 CT. PRO INDUSTRIAL DTM ACRYLIC MODIFIED ENAMEL.
   CMU WALLS: WHERE ROOM OR WALL PAINT IS INDICATED, USE WATER-BASED LIGHT INDUSTRIAL EPOXY COATING SYSTEM.
B. ALL WALLS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE.
C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. (**P2**) UNLESS NOTED OTHERWISE.
D. ALL REMAINING PAINT (1 GALLON MINIMUM) TO BE LEFT WITH THE OWNER.

FLOORING:
A. REVIEW AND ABIDE BY ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF FLOORING MATERIALS.
B. CONTRACTOR TO USE MANUFACTURER'S RECOMMENDED PRIMERS, SEALERS, AND ADHESIVES.
C. SUB-FLOOR MUST BE LEVEL, SOUND, RIGID, CLEAN/FREE OF ANY DEBRIS, AND PERMANENTLY DRY PRIOR TO INSTALLATION. THE INSTALLATION OF FINISH FLOORING MATERIALS SHALL SERVE AS ACCEPTANCE OF SLAB CONDITION.
D. FLOORING MATERIALS SHALL BE FROM THE SAME PRODUCTION RUN.
E. ALL FLOORING TO RUN UNDER CASEWORK, LOCKERS, ETC.
F. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
G. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.
H. REFER TO **02/A-700 AND 03/A-700** FOR ALL FLOORING TRANSITION DETAILS.
I. PRODUCT SUBMITTAL TO BE PROVIDED FOR APPROVAL BY STUDIOAXIS BEFORE PRODUCT ORDER.

TILE TRANSITIONS:
A. CONCRETE FLOOR TO WALL TILE TRANSITION IN RESTROOM: DILEX-AHKA, 3/8" RADIUS, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
B. TILE EDGE TRANSITION: SCHLUTER SHIENE EDGE, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
C. WHEN WALL TILE IS FULL HEIGHT AND DIES INTO AN ACT CEILING, USE ARMSTRONG SHADOW MOLDING FOR A CLEAN TRANSITION.

CEILINGS / WALLS:
A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (**P1**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.
D. ALL EXPOSED METAL DECK IS TO BE PAINTED (**P2**).
E. ALL EXPOSED STRUCTURAL JOISTS/TRUSSES AND COLUMNS TO BE PAINTED (**P2**).
F. ALL WALL BASE TO BE INSTALLED FLUSH TO FLOORING SURFACE. UNLESS NOTED OTHERWISE.
G. ALL WALL BASE TO BE (**B1**), UNLESS NOTED OTHERWISE.
H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.
I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

FURNITURE / EQUIPMENT:
A. FURNITURE SHOWN IS NOT PART OF THIS WORK AND IS TO BE SUPPLIED AND INSTALLED BY THE FURNITURE SUPPLIER. FURNITURE FOR REFERENCE ONLY.
B. REFER TO A-801 FOR SPECIALITY EQUIPMENT SCHEDULE. NOTED WITH TYPE MARK "E".
C. REFER TO A-601 FOR PLUMBING ACCESSORY SCHEDULE. NOTED WITH TYPE MARK "T".
D. PROVIDE IN-WALL BLOCKING FOR CORNER GUARDS.

SPECIALITY EQUIPMENT ACCESSORY TAG — MARK — E00
PLUMBING ACCESSORY TAG — MARK — T00

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 — CABINET WIDTH — 300M — XX — CABINET TYPE; XX — CABINET HEIGHT; XX — CABINET DEPTH; EXTRA SHELF; FEATURE DESCRIPTION

INTERIOR ELEVATION KEYNOTES

1 UNDERCABINET LIGHTING TO RUN THE FULL LENGTH OF CABINET - REFER TO SECTION DETAIL AND MEP DWGS FOR MORE INFORMATION.
2 BEGIN FULL TILE IN THIS ROW/COLUMN.
3 FLOATING SHELF.
5 COUNTER SUPPORT BRACKET - REFER TO GENERAL FINISH NOTES.
6 2" SQUARE STEEL LEG WITH BLACK POWDERCOAT FINISH. PROVIDE METAL FURNITURE LEVELING GLIDES AT BASE. 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.
8 1-1/2" SQUARE STEEL SUPPORT TUBE WITH BLACK POWDERCOAT FINISH. FINAL SPEC TO BE COORDINATED WITH MILLWORKER AND DESIGN TEAM.
9 LIGHT FIXTURE - REFER TO MEP DWGS.
10 BASIS OF DESIGN: SHELFOLOGY VERNE 3-TIERED SHELF, 24"L X 12"D, WOOD SHELF AND METAL BRACKET FINISH: TBD.
11 BEGIN BY CENTERING TWO TILES ON WALL.

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HWC ENGINEERING
Alex McDaniel
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MEP ENGINEER
CIRCLE DESIGN GROUP
David Bantentes
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Indianapolis, Indiana 46280
PH 317-853-3614

REGISTERED ARCHITECT — No. AR-19400081 — STATE OF INDIANA — Drew White

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

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

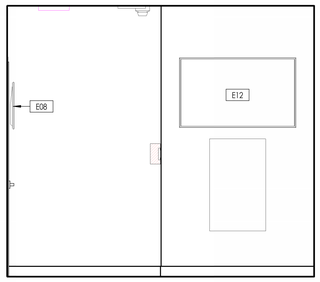
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

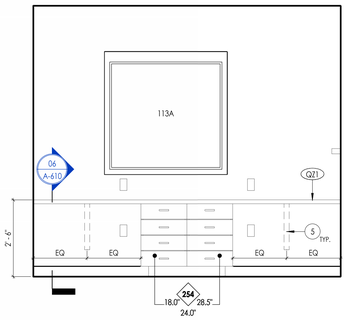
INTERIOR ELEVATIONS

A-601

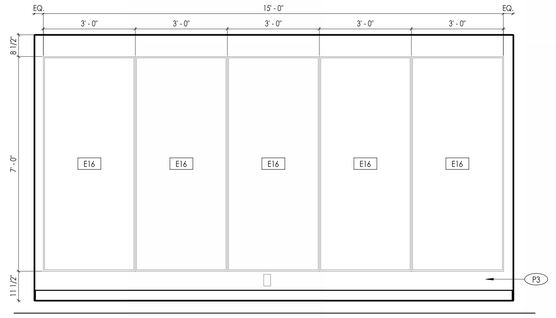
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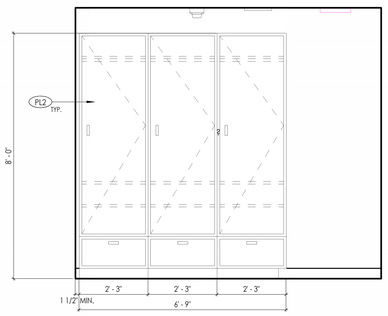
10 WATCH ROOM 113 - PLAN EAST
SCALE: 1/2" = 1'-0"



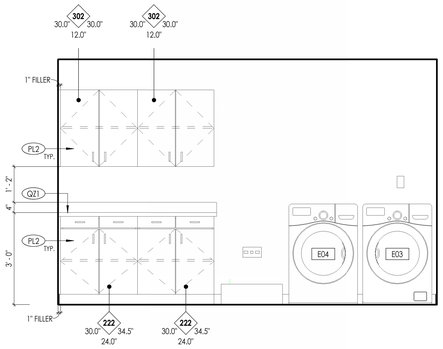
09 WATCH ROOM 113 - PLAN WEST
SCALE: 1/2" = 1'-0"



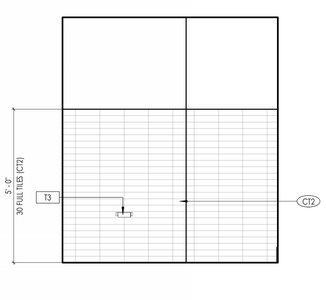
08 FITNESS ROOM - 117 - PLAN WEST
SCALE: 1/2" = 1'-0"



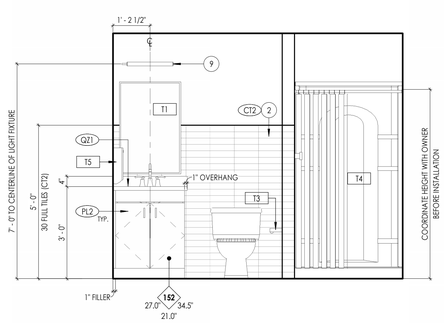
07 DORM ROOM LOCKERS - TYPICAL
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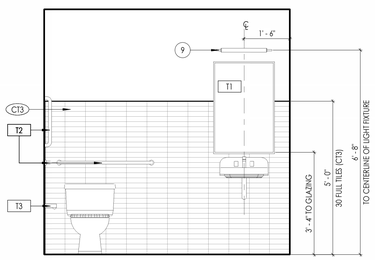
06 LAUNDRY 116 - PLAN NORTH
SCALE: 1/2" = 1'-0"



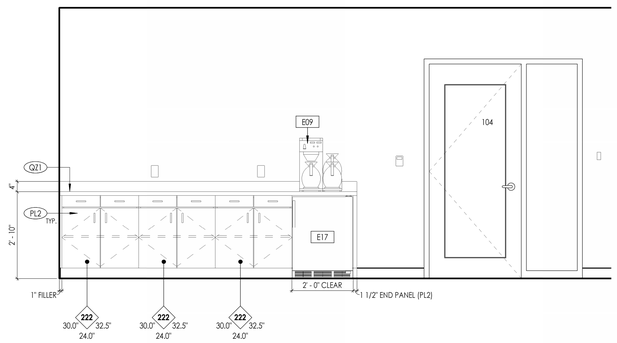
05 BATH 115 - PLAN EAST
SCALE: 1/2" = 1'-0"



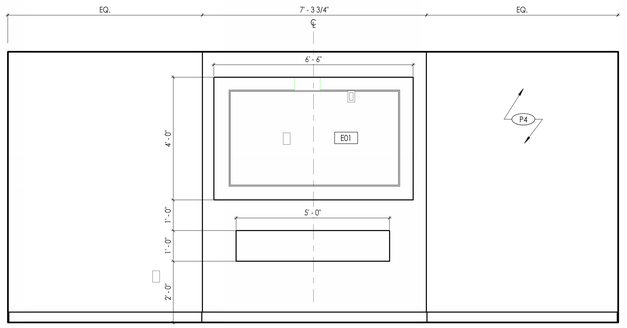
04 BATH 115 - PLAN NORTH
SCALE: 1/2" = 1'-0"



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-504 AND A-505 FOR WINDOW/STOREFRONT ELEVATIONS.
B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.
C. REFER TO ARCHITECTURAL PLANS, INTERIOR ELEVATIONS, AND FINISH 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 1/2" FRONT EDGE.
F. WET AREAS:
   a. IN ROOMS THAT HAVE A WET WALL AND POSSIBLE EXPOSED PLUMBING LINES (SUCH AS RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, AND KITCHENS), ALL WALLS AND CEILINGS ARE TO RECEIVE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   b. WHERE TILE IS SPECIFIED, TILE BACKER BOARD SHALL BE USED IN LIEU OF MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   c. ALL WALL LOCATIONS ADJACENT TO A WATER SOURCE THAT DO NOT HAVE IMPERMABLE FINISH MATERIALS INSTALLED ARE TO HAVE MOISTURE RESISTANT GYPSUM GREEN BOARD WITH EPOXY PAINT FINISH.
G. PROVIDE HIGH IMPACT GYPSUM WALLBOARD IN FITNESS ROOM.
H. TYPICAL COUNTERTOP SUPPORT BRACKET: RAKKS CONCEALED EH COUNTERTOP SUPPORT BRACKET, MODEL NO: EH-1818FM, FINISH: OFF-WHITE. CONTRACTOR TO DETERMINE ADEQUATE SPACING AS REQUIRED BY MANUFACTURER.

DOORS:
A. IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS (**P2**). REFER TO FINISH PLAN AND DOOR SCHEDULE.
B. DOOR FRAMES TO BE PAINTED SEMI-GLOSS (**P2**).

PAINTING:
A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.
   CEILINGS: FLAT - 1 CT. ZERO VOC LATEX PRIMER, 2 CT. ZERO VOC INTERIOR LATEX FINISHINGS SYSTEM.
   DRYWALL: EGGSHELL, LEVEL 4 FINISH.
   DOOR FRAMES: SEMI-GLOSS, ENAMEL.
   WET WALLS: 1 CT. LATEX PRIMER, 2 CT. PRO INDUSTRIAL PRE-CATALYZED WATER-BASED EPOXY.
   STEEL: 1 CT. PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, 2 CT. PRO INDUSTRIAL DTM ACRYLIC MODIFIED ENAMEL.
   CMU WALLS: WHERE ROOM OR WALL PAINT IS INDICATED, USE WATER-BASED LIGHT INDUSTRIAL EPOXY COATING SYSTEM.
B. ALL WALLS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE.
C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. (**P2**) UNLESS NOTED OTHERWISE.
D. ALL REMAINING PAINT (1 GALLON MINIMUM) TO BE LEFT WITH THE OWNER.

FLOORING:
A. REVIEW AND ABIDE BY ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF FLOORING MATERIALS.
B. CONTRACTOR TO USE MANUFACTURER'S RECOMMENDED PRIMERS, SEALERS, AND ADHESIVES.
C. SUB-FLOOR MUST BE LEVEL, SOUND, RIGID, CLEAN/FREE OF ANY DEBRIS, AND PERMANENTLY DRY PRIOR TO INSTALLATION. THE INSTALLATION OF FINISH FLOORING MATERIALS SHALL SERVE AS ACCEPTANCE OF SLAB CONDITION.
D. FLOORING MATERIALS SHALL BE FROM THE SAME PRODUCTION RUN.
E. ALL FLOORING TO RUN UNDER CASEWORK, LOCKERS, ETC.
F. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
G. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.
H. REFER TO **02/A-700 AND 03/A-700** FOR ALL FLOORING TRANSITION DETAILS.
I. PRODUCT SUBMITTAL TO BE PROVIDED FOR APPROVAL BY STUDIOAXIS BEFORE PRODUCT ORDER.

TILE TRANSITIONS:
A. CONCRETE FLOOR TO WALL TILE TRANSITION IN RESTROOM: DILEX-AHKA, 3/8" RADIUS, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
B. TILE EDGE TRANSITION: SCHLUTER SHIENE EDGE, BRUSHED STAINLESS STEEL, CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
C. WHEN WALL TILE IS FULL HEIGHT AND DIES INTO AN ACT CEILING, USE ARMSTRONG SHADOW MOLDING FOR A CLEAN TRANSITION.

CEILINGS / WALLS:
A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (**P1**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.
D. ALL EXPOSED METAL DECK IS TO BE PAINTED (**P2**).
E. ALL EXPOSED STRUCTURAL JOISTS/TRUSSES AND COLUMNS TO BE PAINTED (**P2**).
F. ALL WALL BASE TO BE INSTALLED FLUSH TO FLOORING SURFACE, UNLESS NOTED OTHERWISE.
G. ALL WALL BASE TO BE (**B1**), UNLESS NOTED OTHERWISE.
H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.
I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

FURNITURE / EQUIPMENT:
A. FURNITURE SHOWN IS NOT PART OF THIS WORK AND IS TO BE SUPPLIED AND INSTALLED BY THE FURNITURE SUPPLIER. FURNITURE FOR REFERENCE ONLY.
B. REFER TO A-801 FOR SPECIALITY EQUIPMENT SCHEDULE. NOTED WITH TYPE MARK "E".
C. REFER TO A-001 FOR PLUMBING ACCESSORY SCHEDULE. NOTED WITH TYPE MARK "T".
D. PROVIDE IN-WALL BLOCKING FOR CORNER GUARDS.

SPECIALITY EQUIPMENT ACCESSORY TAG — MARK — E00
PLUMBING ACCESSORY TAG — MARK — T00

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: CABINET WIDTH — 300M — XX" — XX" — CABINET TYPE / CABINET HEIGHT / XX" — CABINET DEPTH / EXTRA SHELF / FEATURE DESCRIPTION

INTERIOR ELEVATION KEYNOTES

1 UNDERCABINET LIGHTING TO RUN THE FULL LENGTH OF CABINET - REFER TO SECTION DETAIL AND MEP DWGS FOR MORE INFORMATION.
2 BEGIN FULL TILE IN THIS ROW/COLUMN.
3 FLOATING SHELF.
5 COUNTER SUPPORT BRACKET - REFER TO GENERAL FINISH NOTES.
6 2" SQUARE STEEL LEG WITH BLACK POWDERCOAT FINISH. PROVIDE METAL FURNITURE LEVELING GLIDES AT BASE. 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.
8 1-1/2" SQUARE STEEL SUPPORT TUBE WITH BLACK POWDERCOAT FINISH. FINAL SPEC TO BE COORDINATED WITH MILLWORKER AND DESIGN TEAM.
9 LIGHT FIXTURE - REFER TO MEP DWGS.
10 BASIS OF DESIGN: SHELFOLOGY VERNE 3-TIERED SHELF, 24"L X 12"D, WOOD SHELF AND METAL BRACKET FINISH: TBD.
11 BEGIN BY CENTERING TWO TILES ON WALL.

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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
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PH 812-449-6961

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CIRCLE DESIGN GROUP
David Bantentes
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Indianapolis, Indiana 46280
PH 317-853-3614

DRAWN: DREW WHITE — REGISTRATION NO. AR-11940008 — STATE OF INDIANA — REGISTERED ARCHITECT

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

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

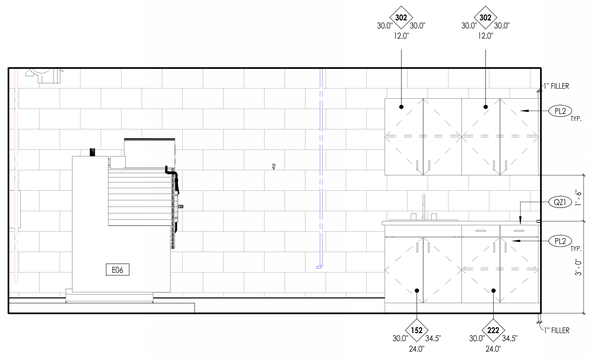
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

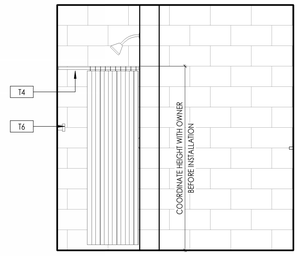
INTERIOR ELEVATIONS

A-602

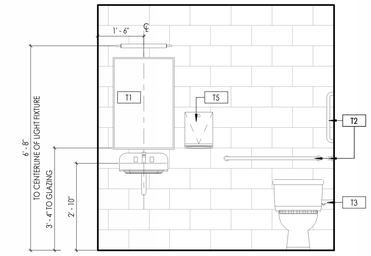
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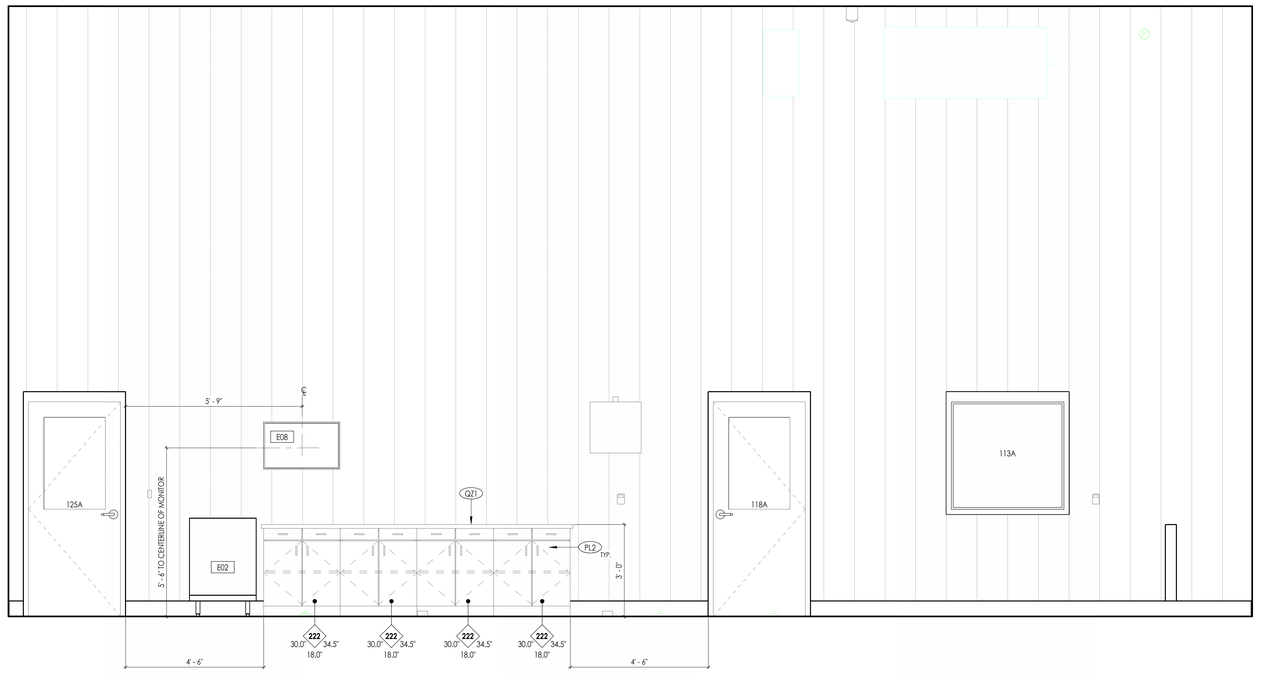
04 GEAR LAUNDRY 130 - PLAN SOUTH
SCALE: 1/2" = 1'-0"



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"

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GENERAL:
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   DOOR FRAMES: SEMI-GLOSS, ENAMEL.
   WET WALLS: 1 CT. LATEX PRIMER, 2 CT. PRO INDUSTRIAL PRE-CATALYZED WATER-BASED EPOXY.
   STEEL: 1 CT. PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, 2 CT. PRO INDUSTRIAL DTM ACRYLIC MODIFIED ENAMEL.
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B. ALL WALLS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE.
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TILE TRANSITIONS:
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B. TILE EDGE TRANSITION: SCHLUTER SHIENE EDGE, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
C. WHEN WALL TILE IS FULL HEIGHT AND DIES INTO AN ACT CEILING, USE ARMSTRONG SHADOW MOLDING FOR A CLEAN TRANSITION.

CEILINGS / WALLS:
A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (**P1**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.
D. ALL EXPOSED METAL DECK IS TO BE PAINTED (**P2**).
E. ALL EXPOSED STRUCTURAL JOISTS/TRUSSES AND COLUMNS TO BE PAINTED (**P2**).
F. ALL WALL BASE TO BE INSTALLED FLUSH TO FLOORING SURFACE, UNLESS NOTED OTHERWISE.
G. ALL WALL BASE TO BE (**B1**), UNLESS NOTED OTHERWISE.
H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.
I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

FURNITURE / EQUIPMENT:
A. FURNITURE SHOWN IS NOT PART OF THIS WORK AND IS TO BE SUPPLIED AND INSTALLED BY THE FURNITURE SUPPLIER. FURNITURE FOR REFERENCE ONLY.
B. REFER TO A-801 FOR SPECIALITY EQUIPMENT SCHEDULE. NOTED WITH TYPE MARK "E".
C. REFER TO A-001 FOR PLUMBING ACCESSORY SCHEDULE. NOTED WITH TYPE MARK "T".
D. PROVIDE IN-WALL BLOCKING FOR CORNER GUARDS.

SPECIALITY EQUIPMENT ACCESSORY TAG — MARK — [E00]
PLUMBING ACCESSORY TAG — MARK — [T00]

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.
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G. IF DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT, PROVIDE MORE STRICT OR MORE EXPENSIVE OPTION.

CABINET TAG — CABINET WIDTH — 300M — XX" — CABINET TYPE; XX" — CABINET HEIGHT; XX" — CABINET DEPTH; EXTRA SHELF; FEATURE DESCRIPTION

INTERIOR ELEVATION KEYNOTES

1 UNDERCABINET LIGHTING TO RUN THE FULL LENGTH OF CABINET - REFER TO SECTION DETAIL AND MEP DWGS FOR MORE INFORMATION.
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5 COUNTER SUPPORT BRACKET - REFER TO GENERAL FINISH NOTES.
6 2" SQUARE STEEL LEG WITH BLACK POWDERCOAT FINISH. PROVIDE METAL FURNITURE LEVELING GUIDES AT BASE. 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.
8 1-1/2" SQUARE STEEL SUPPORT TUBE WITH BLACK POWDERCOAT FINISH. FINAL SPEC TO BE COORDINATED WITH MILLWORKER AND DESIGN TEAM.
9 LIGHT FIXTURE - REFER TO MEP DWGS.
10 BASIS OF DESIGN: SHELFOLOGY VERNE 3-TIERED SHELF, 24"L X 12"D, WOOD SHELF AND METAL BRACKET FINISH: TBD.
11 BEGIN BY CENTERING TWO TILES ON WALL.

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Nineveh, Indiana 46164

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PH 317-431-3863

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PROJECT NUMBER: 2025013
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REVISIONS

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1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

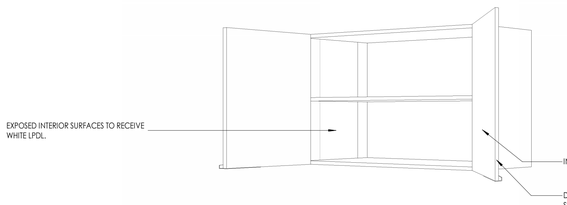
INTERIOR ELEVATIONS

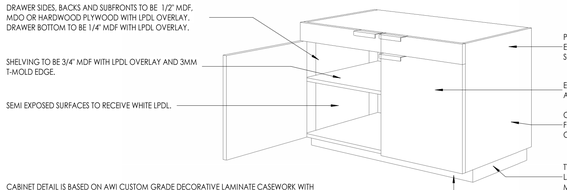
A-603

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GENERAL MILLWORK SECTION NOTES

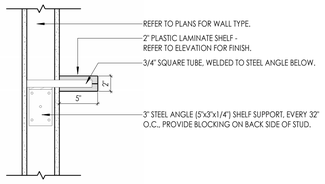
A. PROVIDE BLOCKING AS REQUIRED.
B. HARDWARE. BASIS OF DESIGN: MOCKETT / DP305A SERIES - BLADE DRAWER PULL / BLACK.
C. ALL FILLERS TO MATCH ADJACENT MILLWORK FINISH - NOTED ON ELEVATIONS.
D. ALL FILLERS TO ALIGN WITH FINISH FACE OF ADJACENT CABINET DOOR.
E. ALL DRAWERS AND DOORS:
   a. DRAWER SLIDES TO BE KNAPE & VOGT HEAVY DUTY KV8650FM WITH SOFT CLOSE.
   b. TRASH BIN SLIDES TO BE KNAPE & VOGT KV-8900B-22, FULL EXTENSION, SIDE MOUNTISED DRAWER SLIDE (PAIR), 22" LENGTH WITH HEAVY DUTY CONSTRUCTION.
   c. CABINET HINGES TO BE 110 DEGREE EUROPEAN STYLE CONCEALED HINGE WITH SOFT CLOSE, FULL OVERLAY, KNAPE & VOGT - MASTER HINGE - KVSHB SOFT 800. PROVIDE MOUNTING PLATE AND DECORATIVE COVER.
F. PROVIDE CHAIN ON CABINETS DOORS THAT OPEN AGAINST A WALL.
G. ALL COUNTERTOPS TO BE 25" DEEP, UNLESS NOTED OTHERWISE.



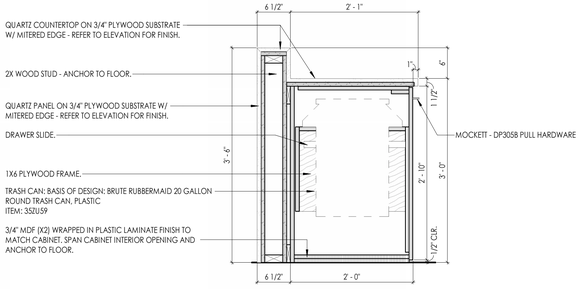


CABINET DETAIL IS BASED ON AWI CUSTOM GRADE DECORATIVE LAMINATE CASEWORK WITH MODIFICATIONS AS DETAILED;
- CONSTRUCTION TYPE = TYPE A - FRAMELESS CABINET CONSTRUCTION.
- INTERFACE STYLE = STYLE 1 TYPE A - FLUSH OVERLAY DOORS AND DRAWERS.
- DIRECTION OF PATTERN ON DRAWER AND FALSE FRONTS SHALL MATCH WITHIN EACH CABINET UNIT. VERIFY DIRECTION WITH ARCHITECT AND PLASTIC LAMINATE STYLE PRIOR TO FABRICATION.

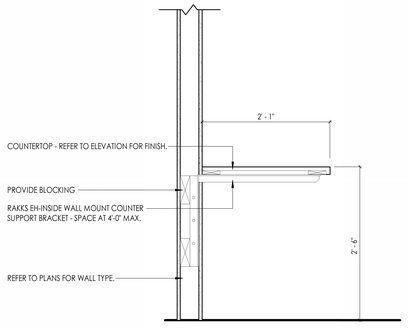
09 TYPICAL PLASTIC LAMINATE CABINET DETAIL
SCALE: 3/4" = 1'-0"



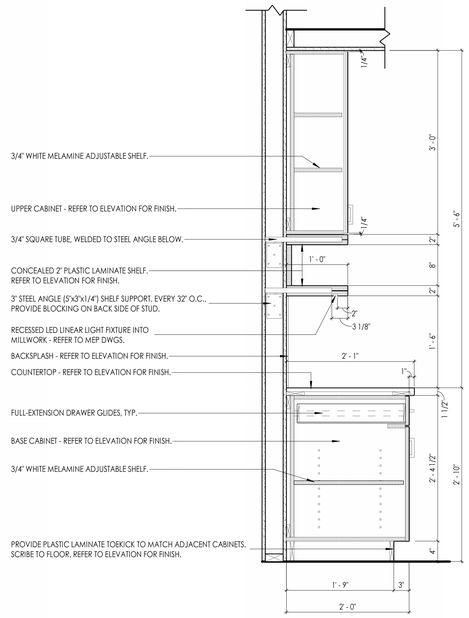
08 MILLWORK SECTION
SCALE: 1 1/2" = 1'-0"



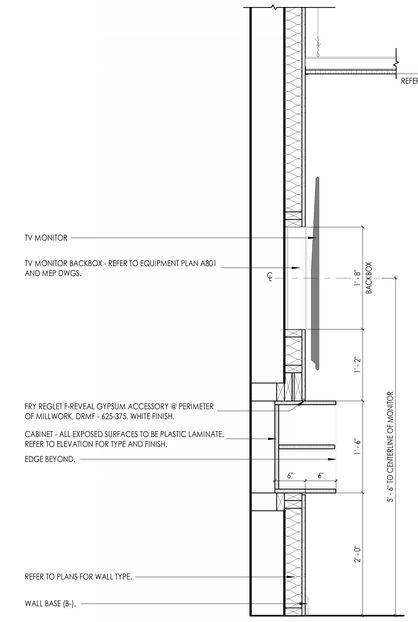
07 MILLWORK SECTION
SCALE: 1" = 1'-0"



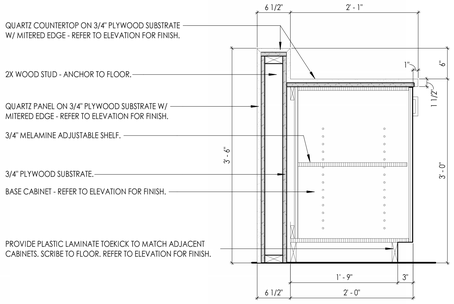
06 MILLWORK SECTION
SCALE: 1" = 1'-0"



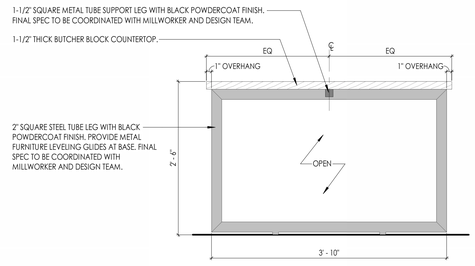
05 MILLWORK SECTION
SCALE: 1" = 1'-0"



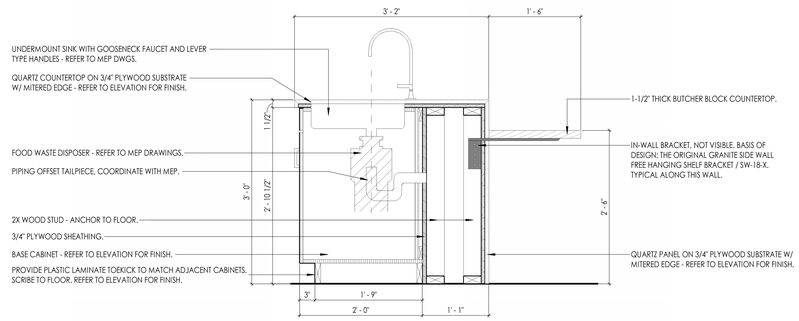
04 MILLWORK SECTION
SCALE: 1" = 1'-0"



03 MILLWORK SECTION
SCALE: 1" = 1'-0"



02 MILLWORK SECTION
SCALE: 1" = 1'-0"



01 MILLWORK SECTION
SCALE: 1" = 1'-0"

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REGISTERED ARCHITECT — BRANDON DREW WHITE — NO. AR-19400068 — STATE OF INDIANA

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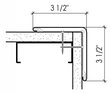
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MILLWORK SECTIONS

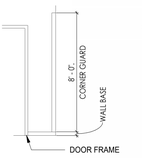
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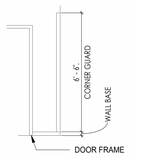


CG01, CG02

STYLE: SURFACE MOUNTED
MATERIAL: STAINLESS STEEL
HEIGHT: VARIES
MODEL: A SERIES
LEG SIZE: 3 1/2"



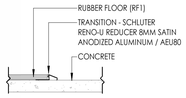
CG01 HEIGHT



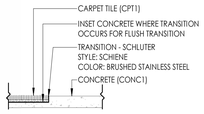
CG02 HEIGHT

01 CORNER GUARD DETAILS

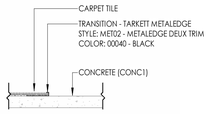
SCALE: 3" = 1'-0"



RUBBER FLOORING TO CONCRETE



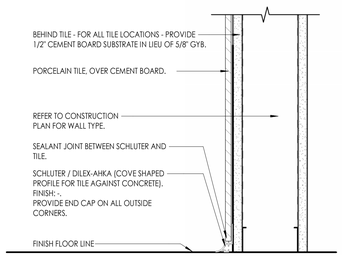
WALK OFF CARPET TO CONCRETE



CARPET TO CONCRETE

02 FLOOR TRANSITION DETAIL

SCALE: 3" = 1'-0"



03 TILE TO FINISH FLOOR TRANSITION

SCALE: 3" = 1'-0"

FINISH LEGEND

FINISH MARK	DESCRIPTION	MANUFACTURER	PATTERN / STYLE	COLOR	FINISH NOTES
CARPET					
CPT1	CARPET TILE	SHAW CONTRACT	COMMUNITY COLLECTION / HEDDLE TILE 5T320	01585 HENNA	9" X 36" TILE. INSTALLATION: ASHLAR
CERAMIC / PORCELAIN TILE					
CT1	CERAMIC TILE	NASCO STONE + TILE	FLATIRON / GLOSSY	NERO CR-FLT-NE-G	2" X 9" TILE. INSTALLATION: VARIES - REFER TO INTERIOR ELEVATIONS. GROUT JOINT NOT TO EXCEED 1/8".
CT2	CERAMIC TILE	NASCO STONE + TILE	FLATIRON / GLOSSY	BIANCO CR-FLT-BI-G	2" X 9" TILE. INSTALLATION: VARIES - REFER TO INTERIOR ELEVATIONS. GROUT JOINT NOT TO EXCEED 1/8".
CT3	CERAMIC TILE	RIAD TILE	CERAMIC TILE / GLOSSY	RED RED WINE	2" X 8" TILE. INSTALLATION: STACKED HORIZONTALLY. GROUT JOINT NOT TO EXCEED 1/8".
GT1	GROUT				USE WITH CT1. SETTING MATERIALS AND GROUT TO BE BY SAME MFG.
GT2	GROUT				USE WITH CT2. SETTING MATERIALS AND GROUT TO BE BY SAME MFG.
GT3	GROUT				USE WITH CT3. SETTING MATERIALS AND GROUT TO BE BY SAME MFG.
CONCRETE					
CONC1	CONCRETE		LEVEL 3 POLISHED CONCRETE.	FINAL POLISH TO BE 800-GRIT DIAMOND ABRASIVE	PROVIDE HARDENER FOLLING INITIAL GRIDING.
CONC2	CONCRETE		WATER-BASED CLEAR CONCRETE SEALER SYSTEM.	SHERWIN WILLIAMS WET-LOOK SEALER	
MILLWORK					
PL1	PLASTIC LAMINATE	WILSONART	PREMIUM LAMINATE / SOFTGRAIN FINISH	SKYLINE WALNUT 7964K-12	TYP. U.N.O.
PL2	PLASTIC LAMINATE	FENIX	STANDARD / JM GRADE	CACAO ORINOCO J0749	DORM LOCKERS
QZ1	QUARTZ	COSENTINO	SILESTONE XM / POLISHED	CHATEAU BROWN	THICKNESS: 2 CM
SS1	SOLID SURFACE	STARON	-	AC652 ASPEN CLIFF	THICKNESS: 1/2"
PAINT					
P1	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 7003 TOQUE WHITE	TYP. U.N.O.
P2	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 7069 IRON ORE	HOLLOW METAL DOORS AND DOOR FRAMES
P3	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 6869 STOP	ACCENT
P4	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 9182 ROJO MARRON	ACCENT
P5	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX	SW 9168 ELEPHANT EAR	APPARATUS BAY
RESILIENT					
AF1	ATHLETIC FLOORING				
B1	WALL BASE - RUBBER	MANNINGTON	EDGE EFFECTS / SIMPLE / 4"H	PAINTED TO MATCH P2	
B2	WALL BASE - RUBBER	MANNINGTON	EDGE EFFECTS / SIMPLE / 4"H	PAINTED TO MATCH P4	
B3	WALL BASE - VINYL	ROPPE	700 SERIES 6"H COVE BASE	178 PEWTER	STANDARD 5/8" COVE BASE.
B4	WALL BASE - RUBBER	MANNINGTON	EDGE EFFECTS / SIMPLE / 6"H	PAINTED TO MATCH P2	
LVT1	LUXURY VINYL TILE			TBD: 24" X 24" TILE	
WALL PROTECTION					
WP1	WALL PROTECTION				

FINISH IMAGES: FOR REFERENCE AND DESIGN INTENT ONLY.



CPT1



PL1



PL2



QZ1



CT1



SS1

TBD

AF1



CT2



CT3

TBD

LVT1

TBD

WP1

P1



P2



P3



P4



P5

GENERAL FINISH NOTES

GENERAL:

A. REFER TO A-504 AND A-505 FOR WINDOW/STOREFRONT ELEVATIONS.
B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.
C. REFER TO ARCHITECTURAL PLANS, INTERIOR ELEVATIONS, AND FINISH 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 1/2" FRONT EDGE.
F. WET AREAS:
   a. IN ROOMS THAT HAVE A WET WALL AND POSSIBLE EXPOSED PLUMBING LINES (SUCH AS RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, AND KITCHENS), ALL WALLS AND CEILINGS ARE TO RECEIVE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   b. WHERE TILE IS SPECIFIED, TILE BACKER BOARD SHALL BE USED IN LIEU OF MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   c. ALL WALL LOCATIONS ADJACENT TO A WATER SOURCE THAT DO NOT HAVE IMPERMABLE FINISH MATERIALS INSTALLED ARE TO HAVE MOISTURE RESISTANT GYPSUM GREEN BOARD WITH EPOXY PAINT FINISH.
G. PROVIDE HIGH IMPACT GYPSUM WALLBOARD IN FITNESS ROOM.
H. TYPICAL COUNTERTOP SUPPORT BRACKET: RAKKS CONCEALED EH COUNTERTOP SUPPORT BRACKET, MODEL NO: EH-1818FM, FINISH: OFF-WHITE. CONTRACTOR TO DETERMINE ADEQUATE SPACING AS REQUIRED BY MANUFACTURER.

DOORS:

A. IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS (**P2**). REFER TO FINISH PLAN AND DOOR SCHEDULE.
B. DOOR FRAMES TO BE PAINTED SEMI-GLOSS (**P2**).

PAINTING:

A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION. SYSTEM DESCRIPTION AND PRODUCTS.
   - CEILINGS: FLAT - 1 CT. ZERO VOC LATEX PRIMER, 2 CT. ZERO VOC INTERIOR LATEX FINISHINGS SYSTEM.
   - DRYWALL: EGGSHELL, LEVEL 4 FINISH.
   - DOOR FRAMES: SEMI-GLOSS, ENAMEL.
   - WET WALLS: 1 CT. LATEX PRIMER, 2 CT. PRO INDUSTRIAL PRE-CATALYZED WATER-BASED EPOXY.
   - STEEL: 1 CT. PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, 2 CT. PRO INDUSTRIAL DTM ACRYLIC MODIFIED ENAMEL.
   - CMU WALLS: WHERE ROOM OR WALL PAINT IS INDICATED, USE WATER-BASED LIGHT INDUSTRIAL EPOXY COATING SYSTEM.
B. ALL WALLS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE.
C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. (**P2**) UNLESS NOTED OTHERWISE.
D. ALL REMAINING PAINT (1 GALLON MINIMUM) TO BE LEFT WITH THE OWNER.

FLOORING:

A. REVIEW AND ABIDE BY ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF FLOORING MATERIALS.
B. CONTRACTOR TO USE MANUFACTURER'S RECOMMENDED PRIMERS, SEALERS, AND ADHESIVES.
C. SUB-FLOOR MUST BE LEVEL, SOUND, RIGID, CLEAN/FREE OF ANY DEBRIS, AND PERMANENTLY DRY PRIOR TO INSTALLATION. THE INSTALLATION OF FINISH FLOORING MATERIALS SHALL SERVE AS ACCEPTANCE OF SLAB CONDITION.
D. FLOORING MATERIALS SHALL BE FROM THE SAME PRODUCTION RUN.
E. ALL FLOORING TO RUN UNDER CASEWORK, LOCKERS, ETC.
F. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
G. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.
H. REFER TO **02/A-700 AND 03/A-700** FOR ALL FLOORING TRANSITION DETAILS.
I. PRODUCT SUBMITTAL TO BE PROVIDED FOR APPROVAL BY STUDIOAXIS BEFORE PRODUCT ORDER.

TILE TRANSITIONS:

A. CONCRETE FLOOR TO WALL TILE TRANSITION IN RESTROOM: DILEX-AHKA, 3/8" RADIUS. BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
B. TILE EDGE TRANSITION: SCHLUTER SHIENE EDGE, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
C. WHEN WALL TILE IS FULL HEIGHT AND DIES INTO AN ACT CEILING, USE ARMSTRONG SHADOW MOLDING FOR A CLEAN TRANSITION.

CEILINGS / WALLS:

A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (**P1**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.
D. ALL EXPOSED METAL DECK IS TO BE PAINTED (**P2**).
E. ALL EXPOSED STRUCTURAL JOISTS/TRUSSES AND COLUMNS TO BE PAINTED (**P2**).
F. ALL WALL BASE TO BE INSTALLED FLUSH TO FLOORING SURFACE, UNLESS NOTED OTHERWISE.
G. ALL WALL BASE TO BE (**B1**), UNLESS NOTED OTHERWISE.
H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.
I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

FURNITURE / EQUIPMENT:

A. FURNITURE SHOWN IS NOT PART OF THIS WORK AND IS TO BE SUPPLIED AND INSTALLED BY THE FURNITURE SUPPLIER. FURNITURE FOR REFERENCE ONLY.
B. REFER TO A-801 FOR SPECIALITY EQUIPMENT SCHEDULE. NOTED WITH TYPE MARK "E".
C. REFER TO A-001 FOR PLUMBING ACCESSORY SCHEDULE. NOTED WITH TYPE MARK "T".
D. PROVIDE IN-WALL BLOCKING FOR CORNER GUARDS.

SPECIALITY EQUIPMENT ACCESSORY TAG MARK ——► [E00]

PLUMBING ACCESSORY TAG MARK ——► [T00]

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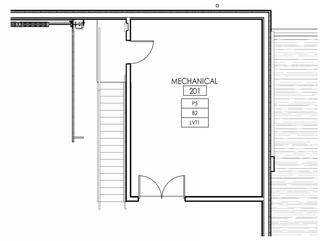
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S NINEVEH ROAD
NINEVEH, IN 46164

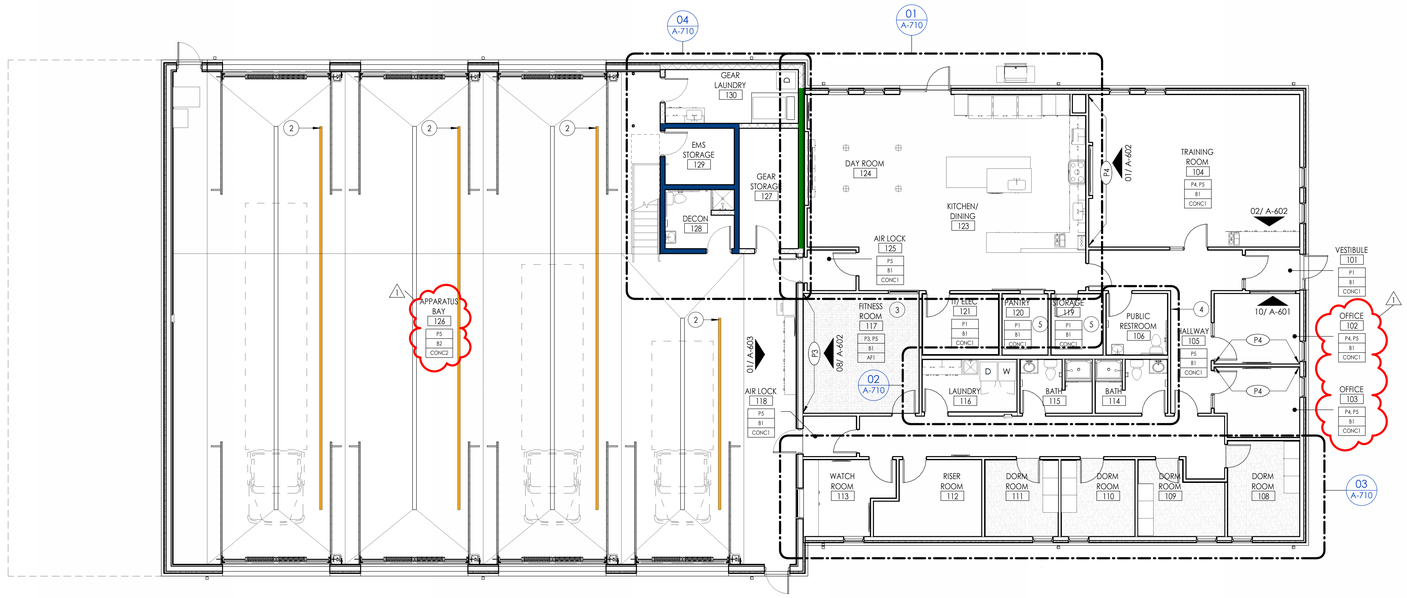
FINISH SCHEDULES AND SPECIFICATIONS

A-700 1

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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-504 AND A-505 FOR WINDOW/STOREFRONT ELEVATIONS.
B. REFER TO SHEET A-700 FOR FINISH SCHEDULE.
C. REFER TO ARCHITECTURAL PLANS, INTERIOR ELEVATIONS, AND FINISH 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 1/2" FRONT EDGE.
F. WET AREAS:
   a. IN ROOMS THAT HAVE A WET WALL AND POSSIBLE EXPOSED PLUMBING LINES (SUCH AS RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, AND KITCHENS), ALL WALLS AND CEILINGS ARE TO RECEIVE MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   b. WHERE TILE IS SPECIFIED, TILE BACKER BOARD SHALL BE USED IN LIEU OF MOISTURE AND MOLD RESISTANT GYPSUM WALLBOARD.
   c. ALL WALL LOCATIONS ADJACENT TO A WATER SOURCE THAT DO NOT HAVE IMPERMABLE FINISH MATERIALS INSTALLED ARE TO HAVE MOISTURE RESISTANT GYPSUM GREEN BOARD WITH EPOXY PAINT FINISH.
G. PROVIDE HIGH IMPACT GYPSUM WALLBOARD IN FITNESS ROOM.
H. TYPICAL COUNTERTOP SUPPORT BRACKET: RAKKS CONCEALED EH COUNTERTOP SUPPORT BRACKET, MODEL NO: EH-1818FM, FINISH: OFF-WHITE. CONTRACTOR TO DETERMINE ADEQUATE SPACING AS REQUIRED BY MANUFACTURER.

DOORS:
A. IF DOORS ARE TO RECEIVE PAINT, IT SHALL BE SEMI-GLOSS (**P2**). REFER TO FINISH PLAN AND DOOR SCHEDULE.
B. DOOR FRAMES TO BE PAINTED SEMI-GLOSS (**P2**).

PAINTING:
A. ALL PAINT FINISH LOCATIONS TO BE THREE-COAT SYSTEM. REFER TO SPECS FOR PREPARATION, SYSTEM DESCRIPTION AND PRODUCTS.
   CEILINGS: FLAT - 1 CT. ZERO VOC LATEX PRIMER, 2 CT. ZERO VOC INTERIOR LATEX FINISHINGS SYSTEM.
   DRYWALL: EGGSHELL, LEVEL 4 FINISH.
   DOOR FRAMES: SEMI-GLOSS, ENAMEL.
   WET WALLS: 1 CT. LATEX PRIMER, 2 CT. PRO INDUSTRIAL PRE-CATALYZED WATER-BASED EPOXY.
   STEEL: 1 CT. PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER, 2 CT. PRO INDUSTRIAL DTM ACRYLIC MODIFIED ENAMEL.
   CMU WALLS: WHERE ROOM OR WALL PAINT IS INDICATED, USE WATER-BASED LIGHT INDUSTRIAL EPOXY COATING SYSTEM.
B. ALL WALLS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE.
C. PAINT ALL EXPOSED MISC. STEEL LINTELS, PLATES, ANGLES, ETC. (**P2**) UNLESS NOTED OTHERWISE.
D. ALL REMAINING PAINT (1 GALLON MINIMUM) TO BE LEFT WITH THE OWNER.

FLOORING:
A. REVIEW AND ABIDE BY ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF FLOORING MATERIALS.
B. CONTRACTOR TO USE MANUFACTURER'S RECOMMENDED PRIMERS, SEALERS, AND ADHESIVES.
C. SUB-FLOOR MUST BE LEVEL, SOUND, RIGID, CLEAN/FREE OF ANY DEBRIS, AND PERMANENTLY DRY PRIOR TO INSTALLATION. THE INSTALLATION OF FINISH FLOORING MATERIALS SHALL SERVE AS ACCEPTANCE OF SLAB CONDITION.
D. FLOORING MATERIALS SHALL BE FROM THE SAME PRODUCTION RUN.
E. ALL FLOORING TO RUN UNDER CASEWORK, LOCKERS, ETC.
F. WHERE DISSIMILAR FLOORING FINISHES MEET, THEY MUST DO SO UNDER CENTERLINE OF DOOR UNLESS NOTED OTHERWISE.
G. ALL TRANSITION, REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT CENTER OF DOOR WHEN IN CLOSED POSITION.
H. REFER TO **02/A-700 AND 03/A-700** FOR ALL FLOORING TRANSITION DETAILS.
I. PRODUCT SUBMITTAL TO BE PROVIDED FOR APPROVAL BY STUDIOAXIS BEFORE PRODUCT ORDER.

TILE TRANSITIONS:
A. CONCRETE FLOOR TO WALL TILE TRANSITION IN RESTROOM: DILEX-AHKA, 3/8" RADIUS, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
B. TILE EDGE TRANSITION: SCHLUTER SHIENE EDGE, BRUSHED STAINLESS STEEL. CONTRACTOR TO SELECT APPROPRIATE HEIGHT AND LENGTH, PROVIDING A CUT SHEET FOR DESIGNER APPROVAL.
C. WHEN WALL TILE IS FULL HEIGHT AND DIES INTO AN ACT CEILING, USE ARMSTRONG SHADOW MOLDING FOR A CLEAN TRANSITION.

CEILINGS / WALLS:
A. ALL VERTICAL FACES OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. ALL UNDER SIDE OF BULKHEADS TO BE PAINTED (**P5**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
B. ALL HORIZONTAL GYPSUM CEILINGS TO BE PAINTED (**P1**), UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR ACCENT PAINT LOCATIONS.
C. ALL EXPOSED MECHANICAL SYSTEMS ETC. TO BE PAINTED TO MATCH CEILING.
D. ALL EXPOSED METAL DECK IS TO BE PAINTED (**P2**).
E. ALL EXPOSED STRUCTURAL JOISTS/TRUSSES AND COLUMNS TO BE PAINTED (**P2**).
F. ALL WALL BASE TO BE INSTALLED FLUSH TO FLOORING SURFACE, UNLESS NOTED OTHERWISE.
G. ALL WALL BASE TO BE (**B1**), UNLESS NOTED OTHERWISE.
H. ALL DRYWALL TO BE LEVEL 4 FINISH, WHERE PAINT IS USED.
I. ALL DRYWALL TO BE LEVEL 5 FINISH, WHERE WALLCOVERING IS USED.

FURNITURE / EQUIPMENT:
A. FURNITURE SHOWN IS NOT PART OF THIS WORK AND IS TO BE SUPPLIED AND INSTALLED BY THE FURNITURE SUPPLIER. FURNITURE FOR REFERENCE ONLY.
B. REFER TO A-801 FOR SPECIALITY EQUIPMENT SCHEDULE. EQ NOTED WITH TYPE MARK "E".
C. REFER TO A-001 FOR PLUMBING ACCESSORY SCHEDULE. AL NOTED WITH TYPE MARK "T".
D. PROVIDE IN-WALL BLOCKING FOR CORNER GUARDS.

FLOORING DIRECTION
X — INDICATES FINISH MATERIAL
INDICATES MATERIAL DIRECTION
SPECIALITY EQUIPMENT ACCESSORY TAG — ROOM TAG — MARK — E00
PLUMBING ACCESSORY TAG — MARK — T00
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.

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CAMBRIDGE 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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

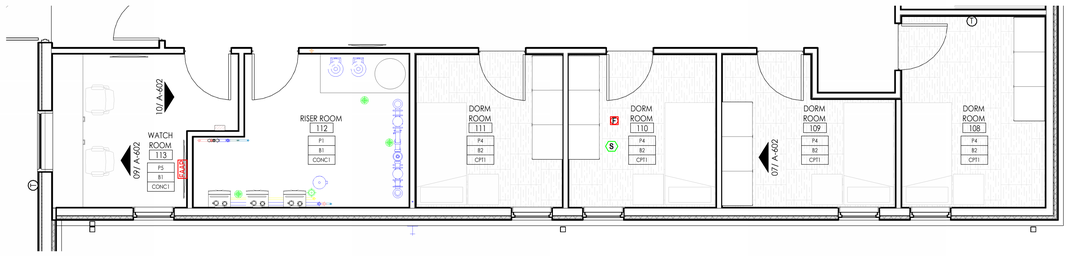
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR AND MEZZANINE INTERIOR FINISH PLANS

A-701

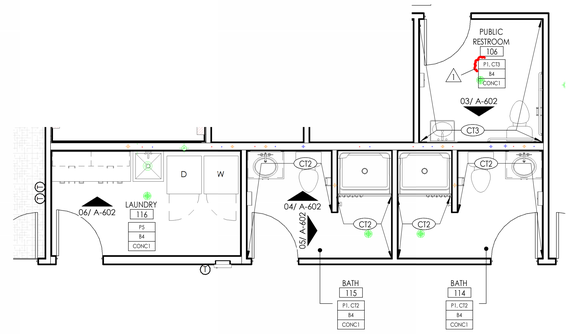
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ENLARGED INTERIOR FINISH PLAN

03 DORM ROOMS AND WATCH ROOM 113

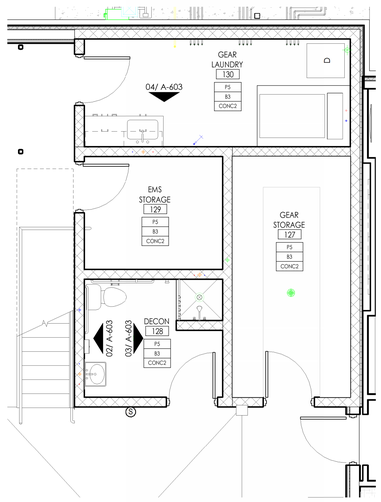
SCALE: 1/4" = 1'-0"



ENLARGED INTERIOR FINISH PLAN

02 DORM BATHROOMS + PUBLIC RESTROOM

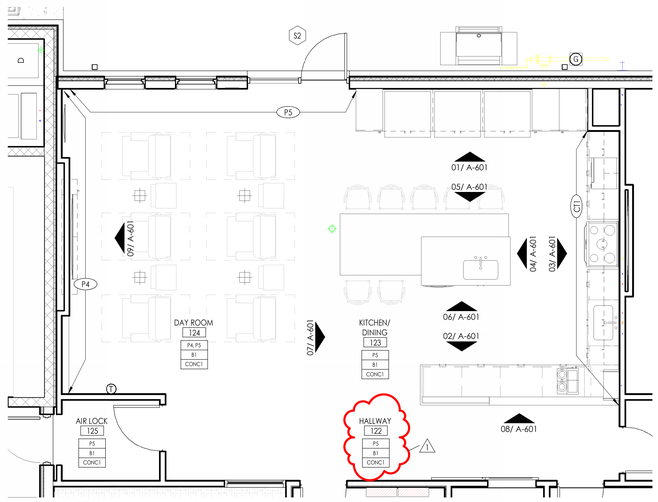
SCALE: 1/4" = 1'-0"



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"

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GENERAL:

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D. ALL EXPOSED METAL DECK IS TO BE PAINTED (**P2**).
E. ALL EXPOSED STRUCTURAL JOISTS/TRUSSES AND COLUMNS TO BE PAINTED (**P2**).
F. ALL WALL BASE TO BE INSTALLED FLUSH TO FLOORING SURFACE, UNLESS NOTED OTHERWISE.
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FURNITURE / EQUIPMENT:

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B. REFER TO A-801 FOR SPECIALITY EQUIPMENT SCHEDULE. NOTED WITH TYPE MARK "E".
C. REFER TO A-001 FOR PLUMBING ACCESSORY SCHEDULE. NOTED WITH TYPE MARK "T".
D. PROVIDE IN-WALL BLOCKING FOR CORNER GUARDS.

SPECIALITY EQUIPMENT ACCESSORY TAG — MARK: E00

PLUMBING ACCESSORY TAG — MARK: T00

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.

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STATE OF INDIANA — REGISTERED ARCHITECT — NO. AR-19400008 — TAYLOR DOE, DREW WHITE

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

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

ENLARGED INTERIOR FINISH PLANS

A-710

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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		OWNER	CONTRACTOR	
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		OWNER	CONTRACTOR	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		35 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	
E18				OWNER	CONTRACTOR	

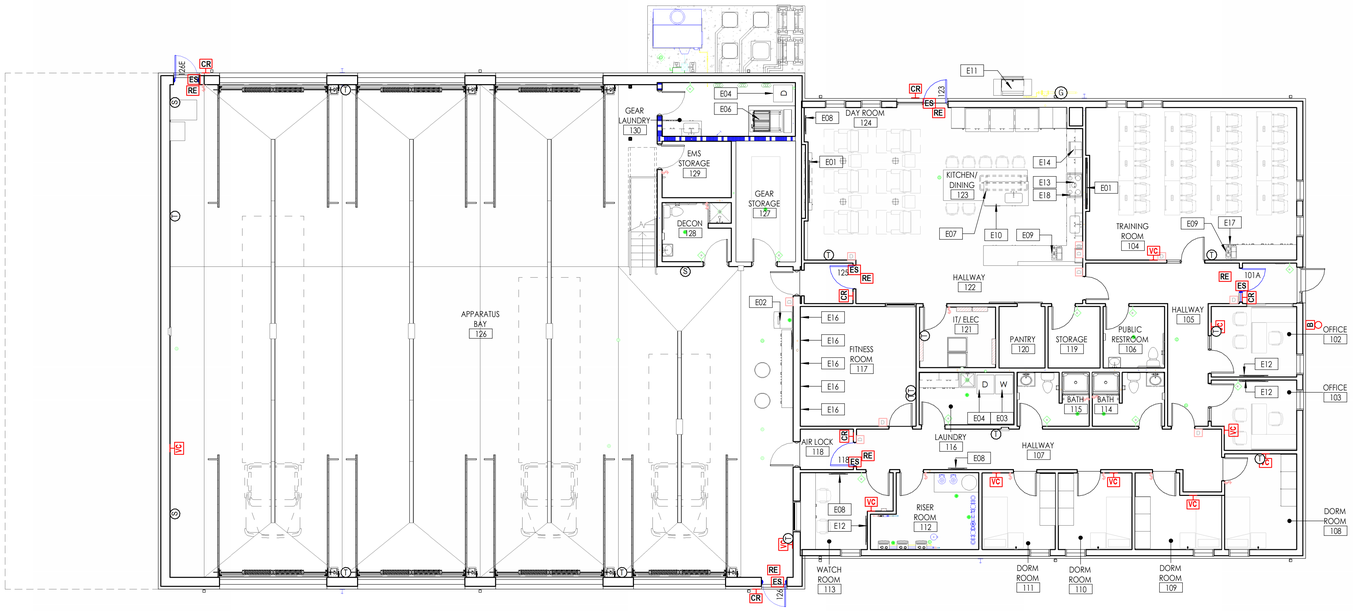
GENERAL EQUIPMENT PLAN NOTES

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"

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DANIEL JOSE DREW WHITE
REGISTERED No AR-19400081
STATE OF INDIANA
ARCHITECT
Drew White

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

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

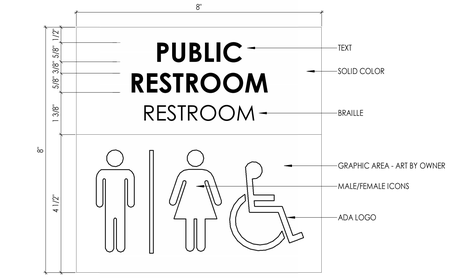
EQUIPMENT PLANS

A-801

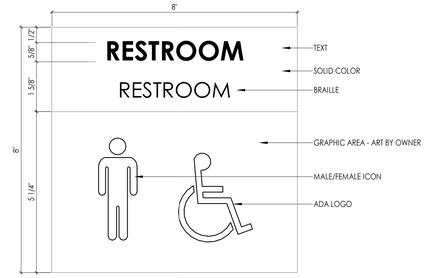
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INTERIOR SIGNAGE SCHEDULE

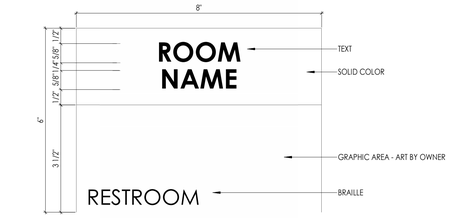
RM #	ROOM NAME	QTY	TYPE	PERMANENT TEXT	INSTALL LOCATION	COMMENTS
FIRST FLOOR						
101	VESTIBULE		D			
102	OFFICE	1	C		WALL	
103	OFFICE		C		WALL	
104	TRAINING ROOM	1	C		WALL	
105	HALLWAY					
106	PUBLIC RESTROOM		A		ON THE DOOR	
107	HALLWAY					
108	DORM ROOM		D		WALL BEDSIDE DOOR	
109	DORM ROOM		D		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	NOT AN EXIT	ON THE DOOR	DIRECT DROP / NO SURFACE ON EXTERIOR SIDE



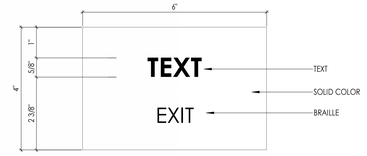
TYPE A



TYPE B



TYPE C

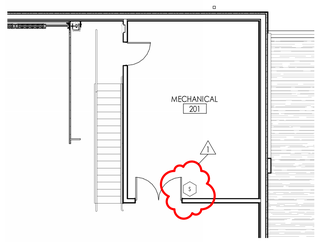


TYPE D

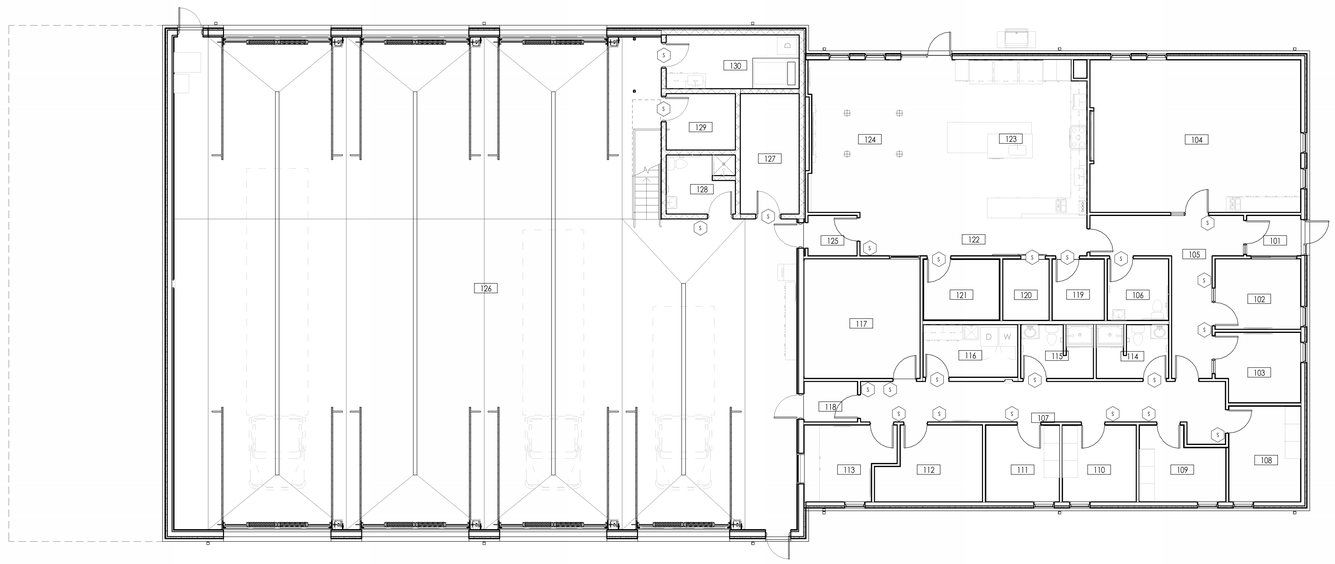
INTERIOR SIGNAGE NOTES:

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"

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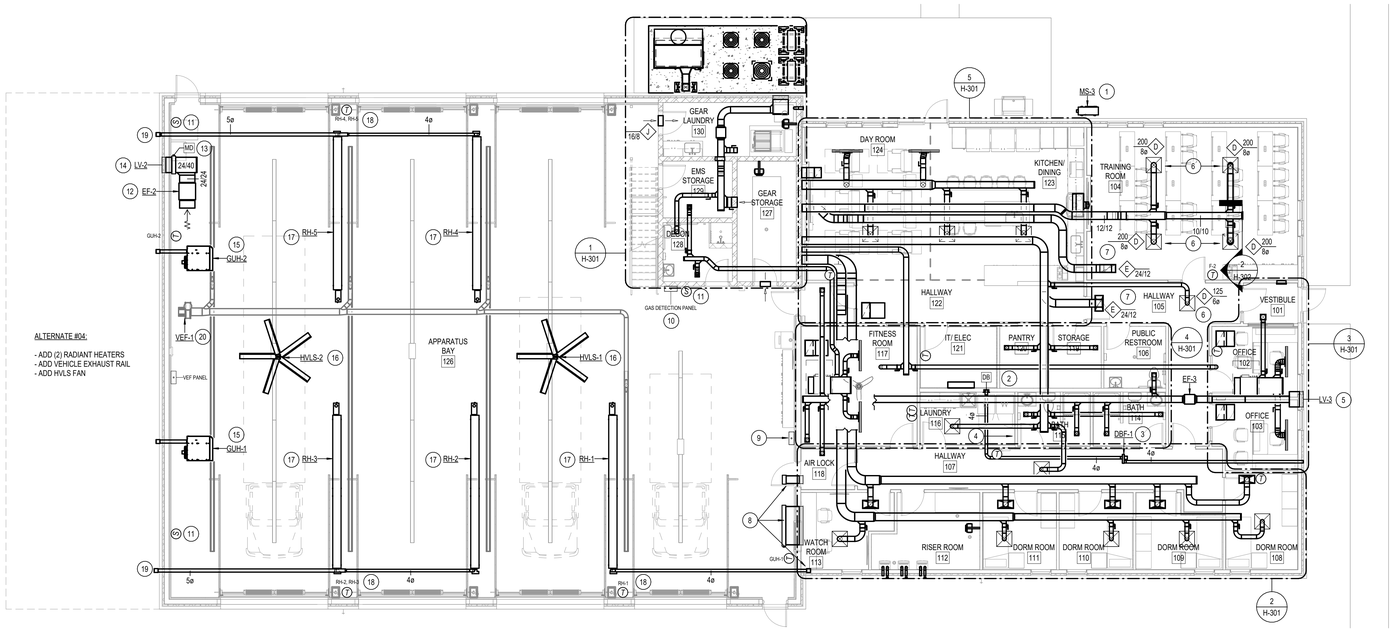
NINEVEH FIRE STATION 101

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NINEVEH, IN 46164

INTERIOR SIGNAGE PLAN

A-901

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1 FIRST FLOOR HVAC PLAN
1/8" = 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 TRADES AND DUCTWORK.
M. STRUCTURAL ROOF TRUSSES ARE A DELEGATED DESIGN. CONTRACTOR IS REQUIRED TO SUBMIT DUCT SHOP DRAWINGS THAT ARE COORDINATED WITH STRUCTURAL SHOP DRAWINGS PRIOR TO INSTALLATION OF ANY DUCTWORK IN LIVING QUARTERS SIDE OF FIRE STATION. ADDITIONALLY, DUCTWORK SHALL BE COORDINATED WITH ALL OTHER TRADES INCLUDING PLUMBING AND ELECTRICAL. REWORK OF DUCTWORK DUE TO FAILURE TO COORDINATE WITH STRUCTURE AND OTHER TRADES WILL BE AT CONTRACTOR'S EXPENSE. 1

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 50' 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-S'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 V/A 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 10X3.25 EXHAUST DUCT INTO ARCHITECTURAL CHASE AND UP TO ROOF. SEE H-102 FOR TERMINATION.

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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

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NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

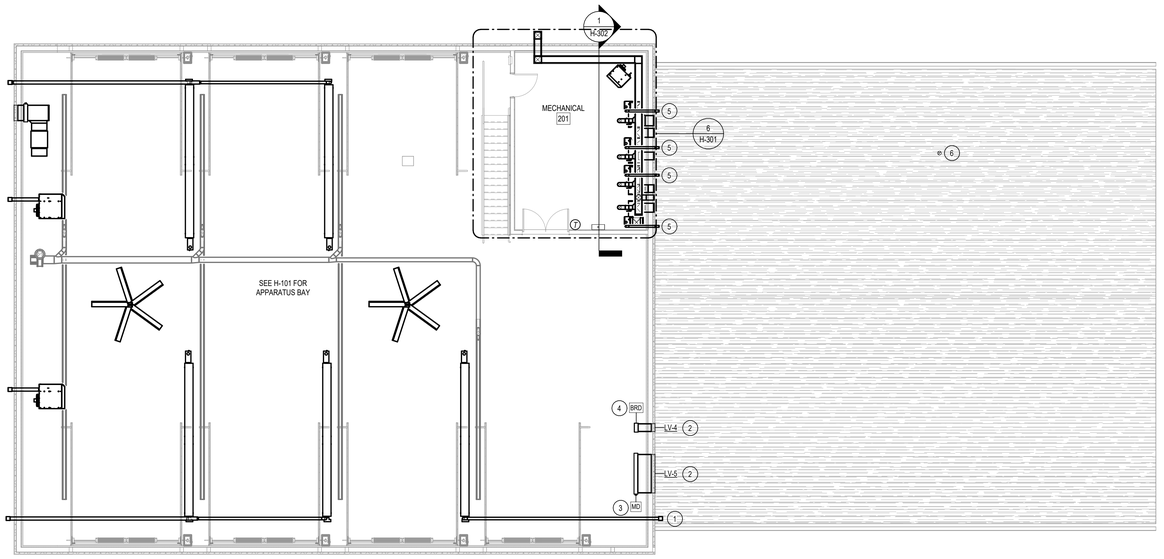
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR HVAC PLAN

H-101

6/3/2026 9:57:23 AM Autodesk Docs://25033 - Nineveh Twp FD Station 101/25033 #Revit#R25 - MacKurt



1 MEZZANINE HVAC PLAN

1/8" = 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.
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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.

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No. PE10910218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

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NINEVEH FIRE STATION 101

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MEZZANINE FLOOR PLAN AND LOW ROOF HVAC PLAN

H-102

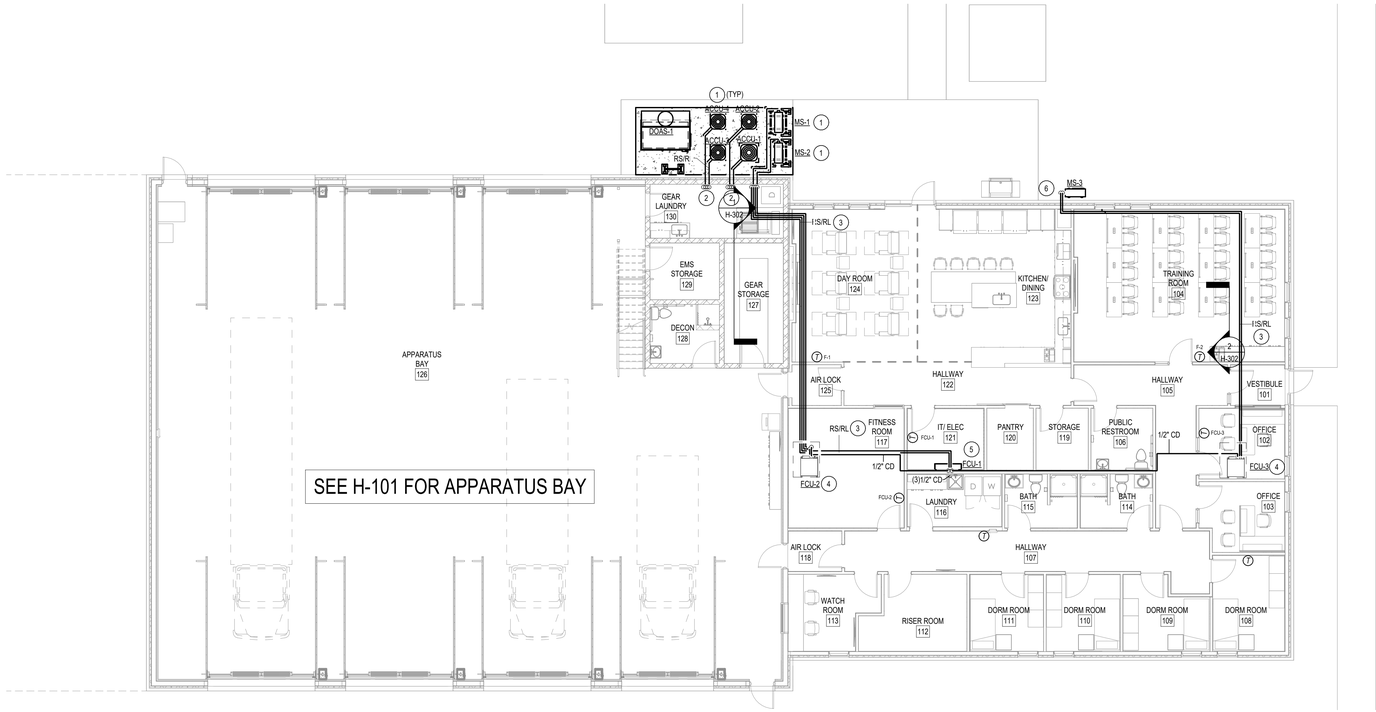
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SHEET PLAN NOTES

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

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PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
BID AND PERMIT SET 05/14/26

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

FIRST FLOOR & MEZZANINE HVAC PIPING PLAN

HP101

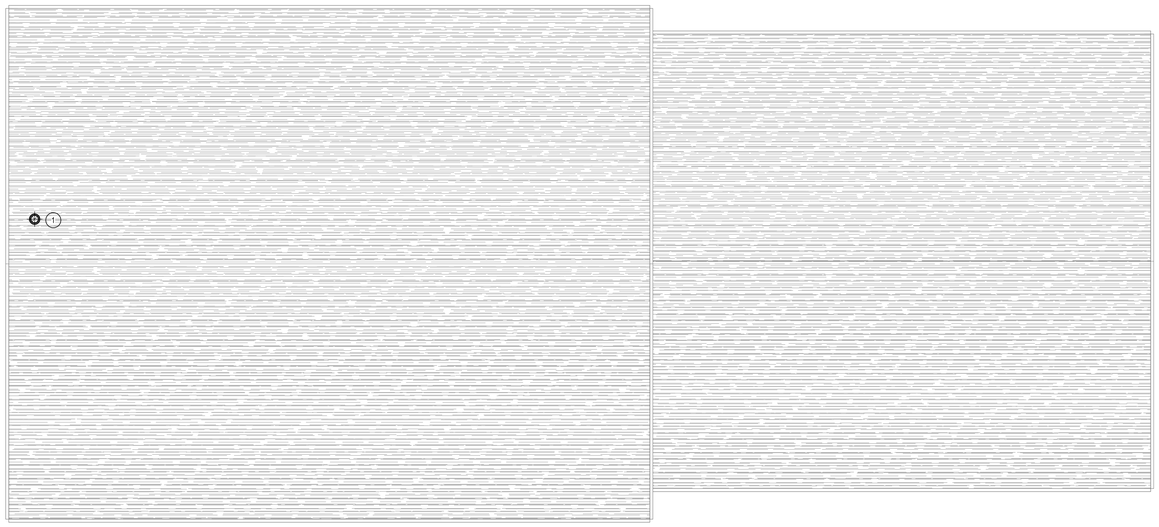
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SHEET PLAN NOTES

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

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Nineveh, Indiana 46164

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DAVID M. BARRIENTOS
REGISTERED
05/14/26
No. PE10810218
STATE OF INDIANA
PROFESSIONAL ENGINEER
#25033

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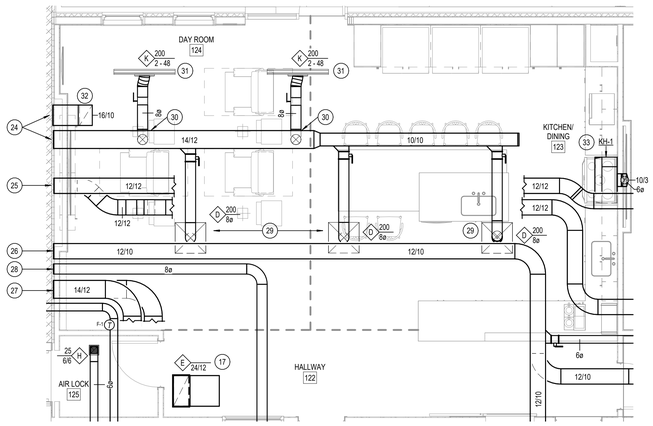
NINEVEH FIRE STATION 101

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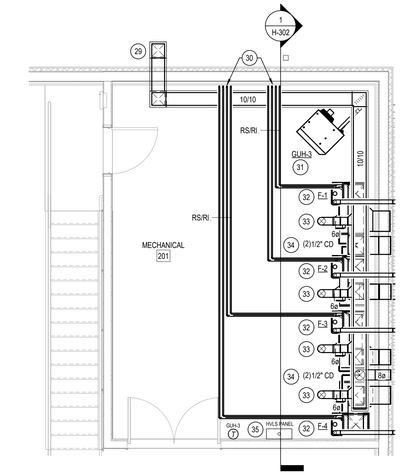
ROOF HVAC PLAN

H-103

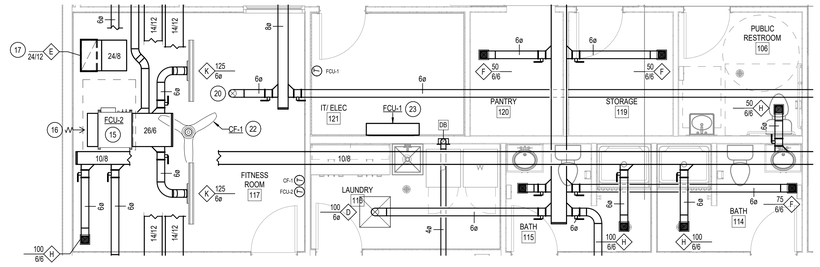
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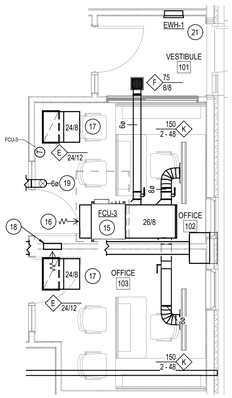
5 KITCHEN/DINING + DAYROOM
1/4" = 1'-0"



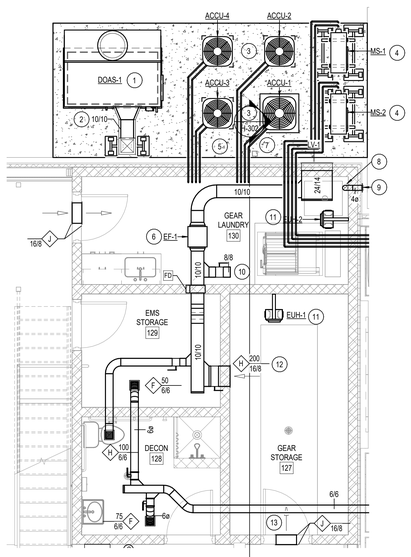
6 MECHANICAL MEZZANINE
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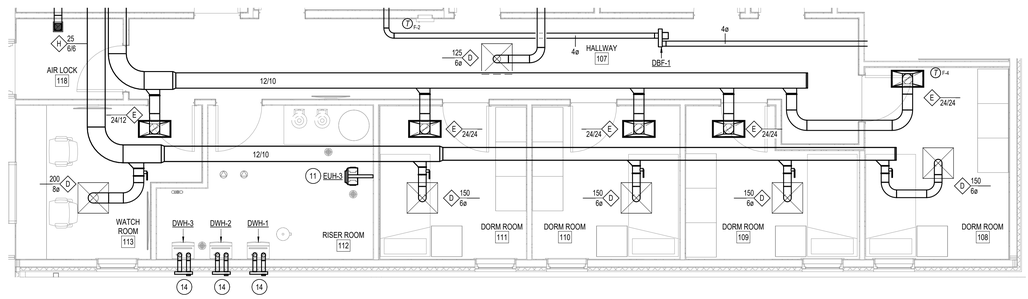
4 INTERIOR SPACES
1/4" = 1'-0"



3 OFFICES
1/4" = 1'-0"



1 APPARATUS SUPPORT ROOMS
1/4" = 1'-0"



2 DORMS, RISER ROOM, WATCH ROOM
1/4" = 1'-0"

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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'-0" AFF TO BOTTOM OF UNIT. COORDINATE WITH ITE\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.

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317.781.4200

DAVID M. BARRIENTOS
LICENSED
05/14/26
No. PE10910218
STATE OF
INDIANA
PROFESSIONAL ENGINEER
#25033

PROJECT NUMBER: 25033
DRAWN: AJ CHECKED: DB
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ENLARGED HVAC PLANS AND SECTIONS

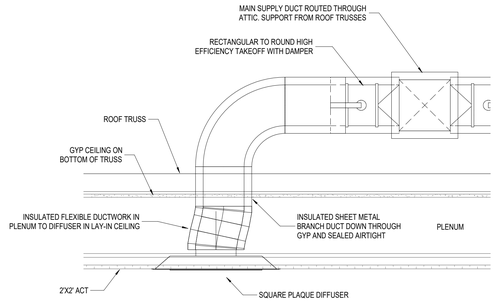
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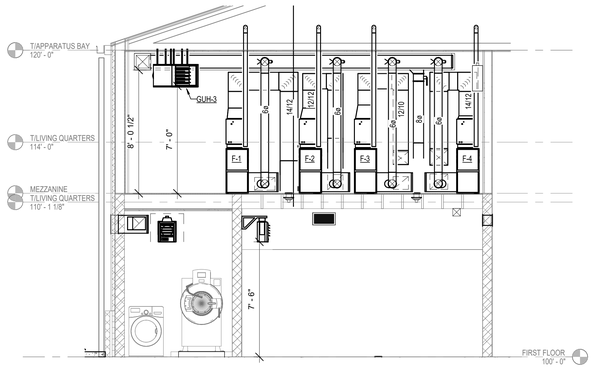
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1



2 TYPICAL SUPPLY DUCT TO DIFFUSER SECTION
1" = 1'-0"



1 MECHANICAL MEZZANINE SECTION
1/4" = 1'-0"

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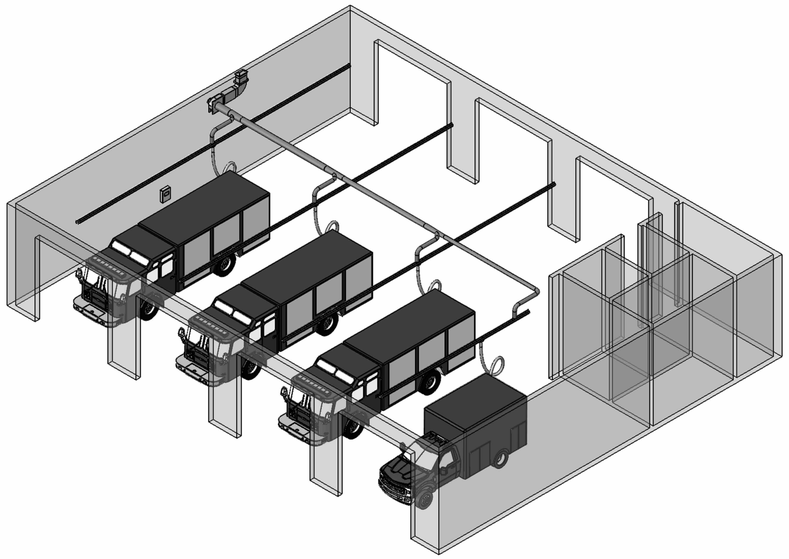
NINEVEH FIRE STATION 101

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ENLARGED HVAC PLANS AND SECTIONS

H-302

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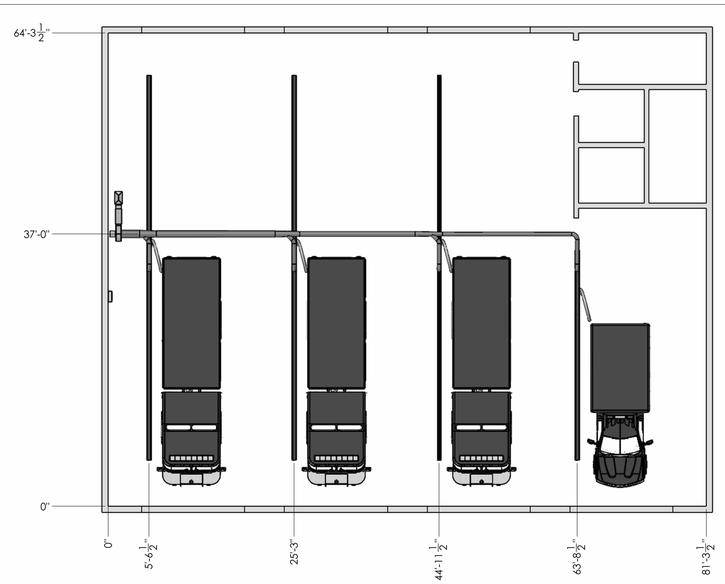
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FD

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

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P:800.236.8450
F: 800.260.9199

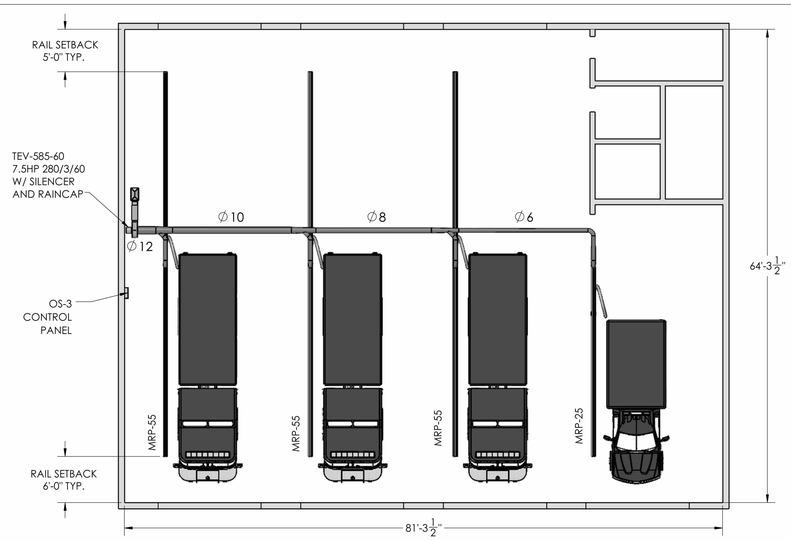
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SALES REP. DEAN HAVNEN	DATE 5/11/2026
DRAWN BY NOAH OPRONDEK	SCALE 1:100
Job #: HASC.1375.001	Sheet #: 2 OF 3



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

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Job #: HASC.1375.001	Sheet #: 1 OF 3

1 VEHICLE EXHAUST SYSTEM
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Nineveh, Indiana 46164

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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
1	ADDENDUM No. 1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

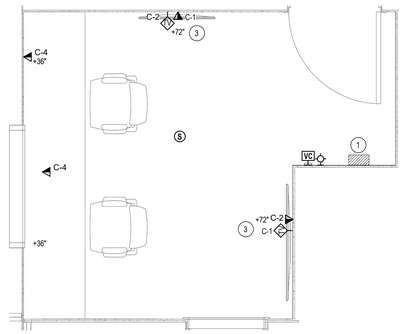
NINEVEH FIRE STATION 101

S NINEVEH ROAD
NINEVEH, IN 46164

VEHICLE EXHAUST SYSTEM

H-401

6/5/2026 8:57:43 AM Autodesk Docs://25033.01 - Nineveh Twp FD Station 101/25033.01-Nineveh101_MechV1.rvt



2 WATCH ROOM SYSTEMS PLAN

1/2" = 1'-0"

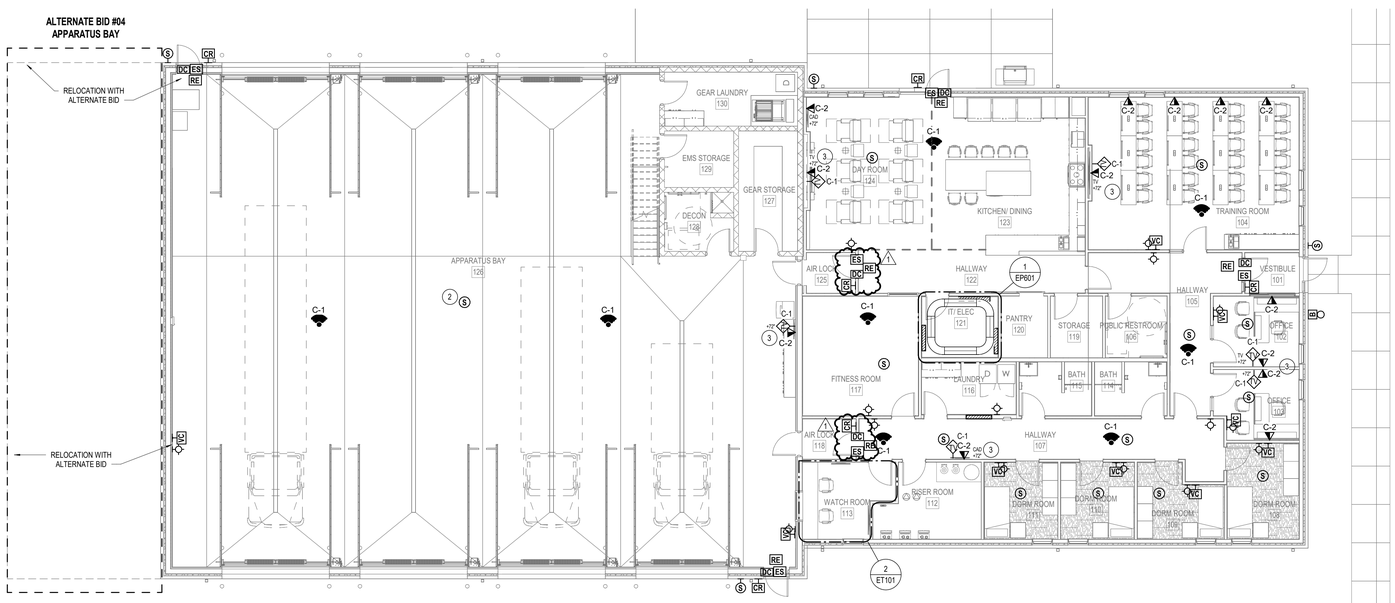
0 1' 2' 4'

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

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CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No.1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

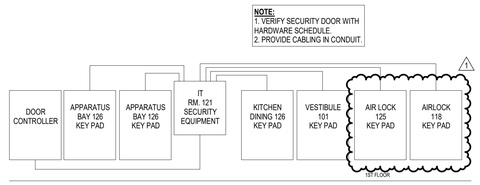
NINEVEH FIRE STATION 101

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FIRST FLOOR SYSTEMS PLAN

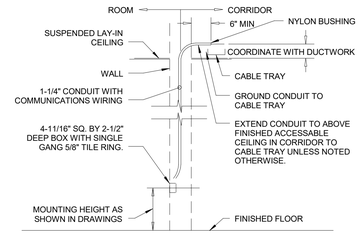
ET101

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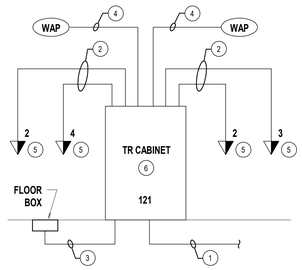
1 PHYSICAL ACCESS CONTROL SYSTEM (PACS) RISER DIAGRAM

1 1/2" = 1'-0"



2 TELECOMMUNICATIONS OUTLET INSTALLATION

NOT TO SCALE

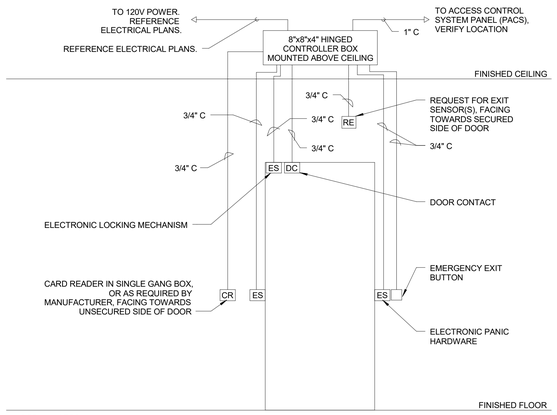


DETAIL NOTES:

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:

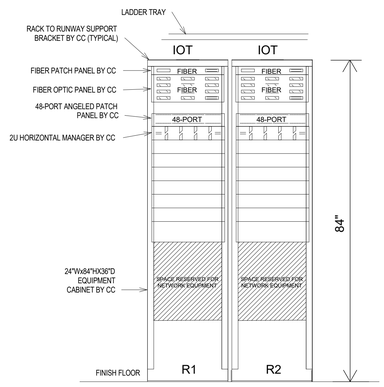
A. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, BOXES, AND SUPPORTS. COORDINATE AND VERIFY LOCATIONS WITH OWNER.

B. PROVIDE CABLING PER MANUFACTURER'S RECOMMENDATION.

C. COORDINATE PER ARCHITECTURAL PLANS & DOOR HARDWARE SCHEDULE. INDICATED AS GENERAL. PROVIDE AS INDICATED ON PLANS

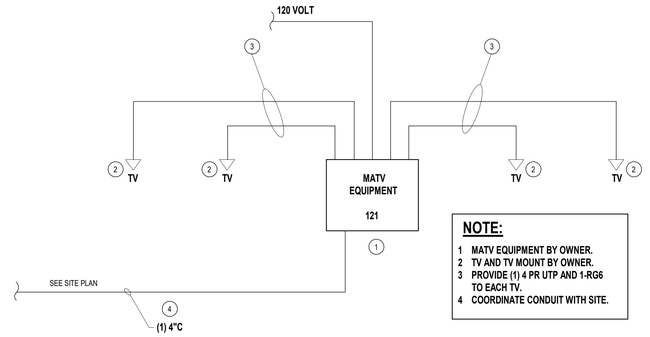
4 SINGLE DOOR CARD ACCESS

NOT TO SCALE



5 TYP. RACKS ELEVATION FRONT

NOT TO SCALE



NOTE:

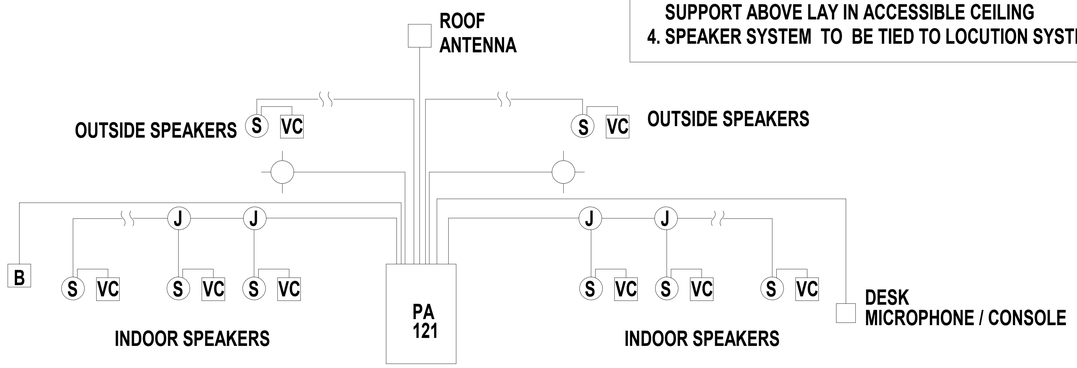
1 MATV EQUIPMENT BY OWNER.
2 TV AND TV MOUNT BY OWNER.
3 PROVIDE (1) 4 PR UTP AND 1-RG6 TO EACH TV.
4 COORDINATE CONDUIT WITH SITE.

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

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CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
BID & PERMIT SET 05/14/2026

REVISIONS

#	DESCRIPTION	DATE
1	ADDENDUM No.1	06/04/2026

NINEVEH FIRE PROTECTION DISTRICT BOARD OF TRUSTEES

NINEVEH FIRE STATION 101

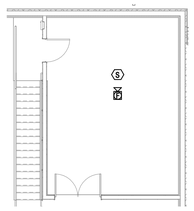
S NINEVEH ROAD
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SYSTEMS DETAILS

ET601

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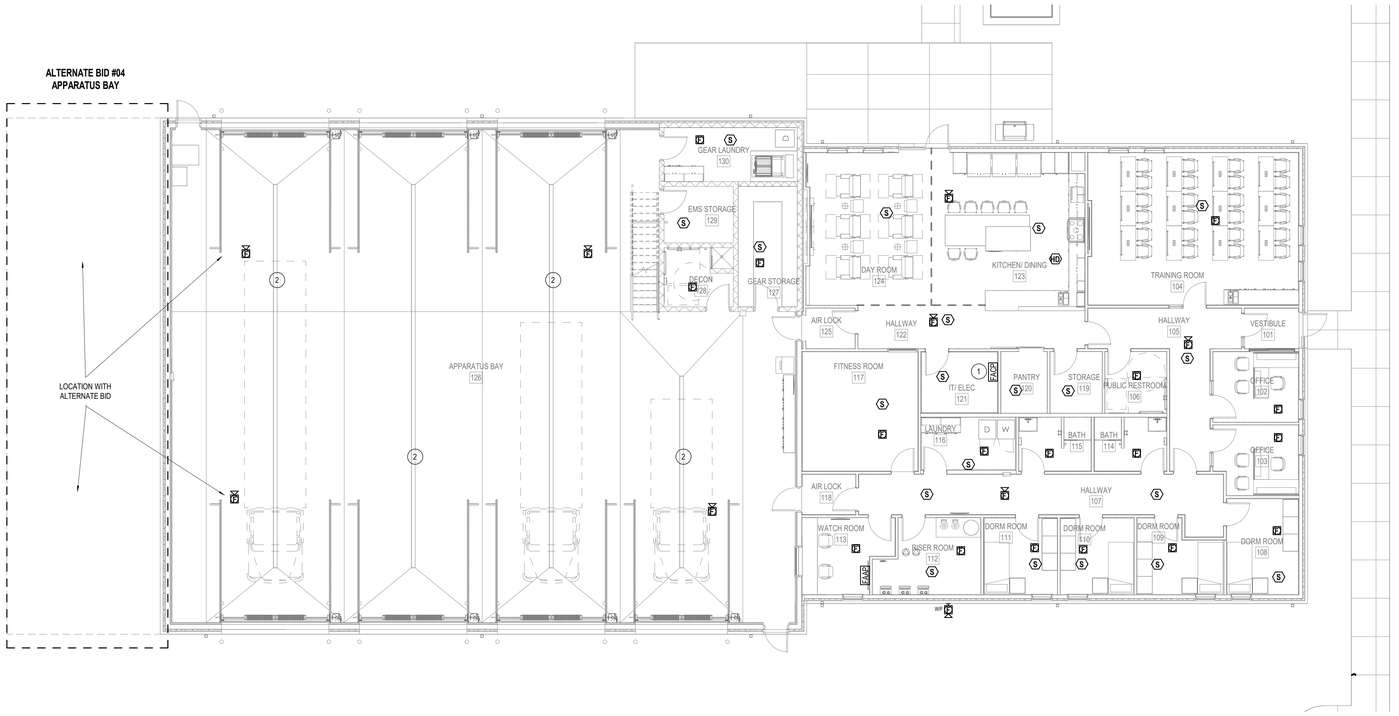
2 MEZZANINE FIRE PPROTECTION PLAN
1/8" = 1'-0"
0 4' 8' 16'

GENERAL FIRE NOTES:

1. PROVIDE FIRE ALARM AND DETECTION SYSTEM TO COMPLY WITH THE LATEST:
   A. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.
   B. NFPA 70 NATIONAL ELECTRIC CODE.
2. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE: THE FIRE ALARM SYSTEM SHALL COMPLY WITH FACTURY MUTUAL RESEARCH CORPORATION (FM).
3. THE FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT (3/4 I NCH), FACTORY PAINTED RED.
4. THE FIRE ALARM CABLE CAN BE INSTALLED EXPOSED AND PROPERLY SUPPORTED ABOVE ACCESSABLE LAY-IN CEILING UNLESS NOTED OTHERWISE.
5. THE FIRE ALARM CONDUIT, JUNCTION BOXES, COVER PLATES SHALL BE FACTORY PAINETED RED ENAMEL.
6. PROVIDE RED CIRCUIT BREAKER IN THE ELECTRICAL PANEL AND
7. PROVIDE A LOCKING BREAKER DEVICE.
8. THE FIRE ALARM VENDOR/CONTRACTOR SHALL TERMINATE. TEST AND PROGRAM THE FIRE ALARM SYSTEM AND UPDATE THE SOFTWARE AS REQUIRED.
9. PROVIDE SUPERVISORY MODULES AS REQUIRED FOR EACH DEVICE AND PROVIDE CONNECTION TO THE FIRE ALARM SPRINKLER SYSTEM DEVICES.
10. PROVIDE RELAY CONTROL MODULES FOR THE PACS AND CONNECT TO THE FIRE ALARM SYSTEM, COORDINATE PROGRAMMING AND FUNCTION WITH THE OWNER/CLIENT.
11. PROVIDE DUCT DETECTOR AND TUBE FOR EACH AIR HANDLING UNIT WITH A REMOTE KEYED LIGHTED TEST SWITCH.
    A. ONE DUCT DETECTOR IN THE RETURN FOR HVAC FROM 2,000 UP TO 14,999CFM.
    B. TWO DUCT DETECTORS, ONE IN THE SUPPLY AND ONE IN THE RETURN FOR HVAC UNITS OVER 15,000 CFM.
    C. PROVIDE NEMA 4X HINGED CABINET WITH LOCKS FOR DUCT DETECTORS ON OUTSIDE UNITS.
12. PROVIDE CONNECTION TO THE PHYSICAL ACCESS AND CONTROL SYSTEM.
13. FIRE ALARM ZONING SHOULD FOLLOW THE FIRE SPRINKLER SYSTEM ZONING. SEE FP101 FOR ZONING INFORMATION.
14. ALL CONDUIT SHALL BE RECESSED IN THE CONCRETE BLOCK (CMU) AND CONCRETE WALLS UNLESS OTHERWISE SPECIFIED.

SHEET PLAN NOTES

1 FIRE ALARM SYSTEM TO BE TIED TO LOCUTION SYSTEM.
2 HVLS TO BE TIED INTO FIRE ALARM SYSTEM.



1 FIRST FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"
0 4' 8' 16'
N

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05/14/2026 RANDY K. SIMPSON REGISTERED PE10700117 STATE OF INDIANA PROFESSIONAL ENGINEER 25033

CDG PROJECT NUMBER: 25033
DRAWN: GP CHECKED: BKS
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REVISIONS

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FIRST FLOOR FIRE ALARM PLAN

FA101

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