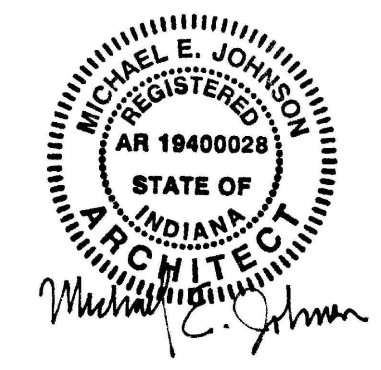


MAINTENANCE BUILDING

INDIANA DEPARTMENT OF NATURAL RESOURCES

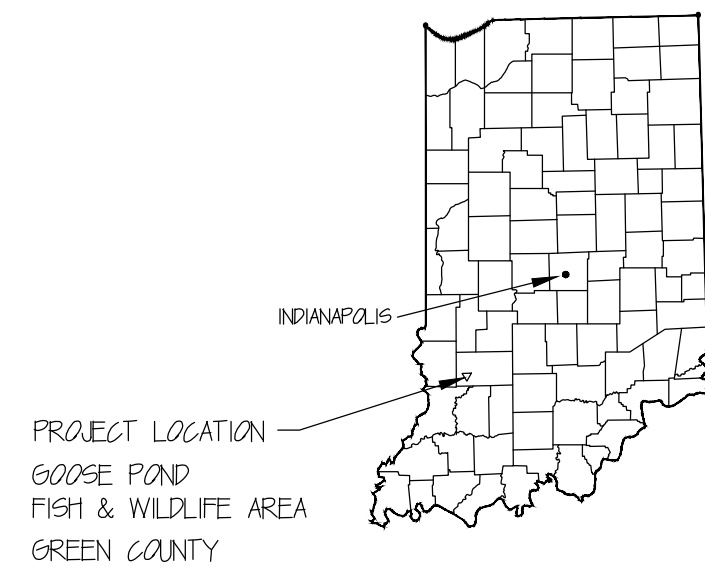
GOOSE POND FISH & WILDLIFE AREA

PROJECT NO. ENG2002904496



Certified by:

LOCATION MAP



NO SCALE

VICINITY MAP



GENERAL NOTES:

- BIDDERS SHALL FULLY REVIEW THE PROJECT DOCUMENTS AND VISIT THE PROJECT SITE TO BECOME COMPLETELY FAMILIAR WITH THE SCOPE OF WORK, INCLUDING EXISTING CONDITIONS AND MATERIALS, PRIOR TO BIDDING.
- THE INTENTION OF THESE DOCUMENTS IS TO PROVIDE THE OWNER WITH A COMPLETE PROJECT IN ITS ENTIRETY AT THE TIME OF OCCUPANCY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE ARCHITECT DURING THE BIDDING PHASE WITH ANY DETAILS THAT ARE MISSING, VAGUE, OR INCOMPLETE SO THAT THE APPROPRIATE ADDENDUM CAN BE ISSUED. THE CONTRACTOR OF RECORD SHALL PROVIDE ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, AND SERVICES NECESSARY FOR A COMPLETE, FUNCTIONAL, AND OPERATIONAL FACILITY OR PROJECT.
- MATERIALS AND WORK SHALL BE FURNISHED, INSTALLED, AND COMPLETED IN STRICT ACCORDANCE WITH PROVISIONS OF THE LATEST EDITION OF APPLICABLE BUILDING CODES, AMENDMENTS, ADOPTED STANDARDS, REGULATIONS, LOCAL ORDINANCES, AND FEDERAL LEGISLATION.
- THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL, AND WORKMANSHIP THROUGHOUT.
- THE MINIMUM QUALITY OF WORK SHALL BE BASED ON INDUSTRY STANDARDS FOR RESPECTIVE TRADES (I.E. ANSI, AHRAE, ASTM, AWI, BHMA, DHI, GYPSUM ASSOCIATION (GA), NFPA, SMACNA, ETC.) WHERE ONE OR MORE OF THE STANDARDS ARE IN CONFLICT, THE BETTER QUALITY OF WORK SHALL APPLY.
- THE WORD "PROVIDE" MEANS "TO FURNISH AND INSTALL"
- UNLESS NOTED OTHERWISE DIMENSIONS ARE FROM FACE OF CONCRETE, STUD, OR FRAMING. DIMENSIONS ARE SHOWN ON DRAWINGS. ANY DIMENSIONS THAT ARE NOT SHOWN OR DEEMED QUESTIONABLE SHALL BE VERIFIED WITH ARCHITECT. DO NOT SCALE DRAWINGS.
- NO GREATER THAN 1/2" CHANGE IN ELEVATION ALLOWED AT HANICAPPED ENTRANCES.
- PROVIDE WOOD BLOCKING SUPPORT AT ALL SURFACE MOUNTED ITEMS MOUNTED TO THE FACE OF GYPSUM WALLBOARD.
- PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUPPORTED ITEMS AND ANY OTHER ITEMS REQUIRING MISCELLANEOUS SUPPORT.
- CAULK JUNCTURES BETWEEN DIFFERENT MATERIALS ALONG WITH ANY AND ALL PENETRATIONS TO SEAL AGAINST ANY TYPE OF ENERGY LOSS.
- THE G.C. SHALL MAINTAIN THE LATEST ISSUE OF STAMPED AND SIGNED PLANS CONTAINING ALL SHEETS AS LISTED IN THE SHEET INDEX ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.
- THE G.C. ALL OTHER CONTRACTORS, AND ALL SUB-CONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL ADJACENT WORK AND SHALL COORDINATE WITH ALL TRADES SO AS TO FACILITATE THE GENERAL PROGRESS OF WORK. EACH TRADE SHALL AFFORD ALL OTHER TRADES EVERY REASONABLE OPPORTUNITY FOR THE INSTALLATION OF THEIR WORK AND FOR THE STORAGE OF THEIR MATERIALS.

PROJECT INFORMATION

BUILDING ADDRESS: GOOSE POND FISH AND WILDLIFE AREA
1815 STATE ROAD 59
LINTON, IN 47441
(812) 512-9185

COUNTY: GREENE

OCCUPANCY TYPE: S-1

CONSTRUCTION TYPE: TYPE VB

ENERGY CODE ZONE: 4

ZONING AUTHORITIES: N/A

BUILD-OUT AREA: 5,848 S.F. (gross)

ALLOWABLE AREA: 9,000 S.F. (gross) PER TABLE 503

OCCUPANT LOAD: 28 PEOPLE

BUILDING HEIGHT: 23'-1"

BUILDING STORIES: 1

BUILDING CODE

BUILDING CODE EDITION: 2014 INDIANA BUILDING CODE (2012 IBC)

MECHANICAL CODE EDITION: 2014 INDIANA MECHANICAL CODE (2012 IMC)

ELECTRICAL CODE EDITION: 2009 INDIANA ELECTRICAL CODE (NFPA 70-2008)

FIRE PREVENTION CODE: 2014 INDIANA FIRE CODE (2012 IFC)

PLUMBING CODE EDITION: 2012 IPC W/ INDIANA AMMENDMENTS

ACCESSIBILITY CODE: 2014 INDIANA ACCESSIBILITY CODE

ENERGY CODE: INDIANA ENERGY CONSERVATION CODE ANSI/ASHRAE 90.1 2007)

COMCHECK ENVELOPE

WALL R-VALUE: R-19 CAVITY, R-5 MIN. CONTINUOUS

OH DOOR R-VALUE: R-17.40

ATTIC R-VALUE: R-38 CAVITY, R-19 MIN. CONTINUOUS

WINDOWS: U-.3 MAX

MAN DOORS: U-.6 MAX

DESIGNERS OF RECORD

ARCHITECTURAL: STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES

MECHANICAL: DIVISION OF ENGINEERING

ELECTRICAL: DIVISION OF ENGINEERING

PLUMBING: ROOM W29, INDIANA GOVERNMENT CENTER SOUTH

CIVIL:



STRUCTURAL:



DRAWINGS INDEX

GENERAL

G-1 DRAWINGS INDEX, LOCATION MAP, LIFE SAFETY PLAN

CIVIL

1 TITLE SHEET
2 EROSION CONTROL INDEX
3 EROSION CONTROL MAPS
4 TOPO SURVEY
5 SITE PLAN & PROFILE
6 GRADING PLAN & EROSION CONTROL
7 DETAILS (1 OF 3)
8 DETAILS (2 OF 3)
9 DETAILS (3 OF 3)

SANITARY

D-1 SEWER AND WATER UTILITY
D-2 DETAILS FOR SEPTIC SYSTEM

STRUCTURAL

S-0 GENERAL NOTES
S-1 FOUNDATION / SLAB PLAN
S-2 WALL TYPE AND LINTEL PLAN
S-3 ROOF FRAMING PLAN
S-4 FOUNDATION DETAILS
S-5 FOUNDATION DETAILS
S-6 FOUNDATION DETAILS
S-7 FRAMING DETAILS
S-8 FRAMING DETAILS

ARCHITECTURAL

A-1 FLOOR PLAN
A-2 REFLECTED CEILING PLAN, ROOF PLAN
A-3 BUILDING ELEVATIONS
A-4 WALL SECTIONS
A-5 WALL SECTIONS, DOOR AND WINDOW SCHEDULE & DETAILS

MECHANICAL

M-1 MECHANICAL PLAN & SECTION

PLUMBING

P-1 PLUMBING SANITARY PLAN
SANITARY ISOMETRIC, DETAIL

P-2 PLUMBING SUPPLY PLAN
SUPPLY ISOMETRIC, DETAIL

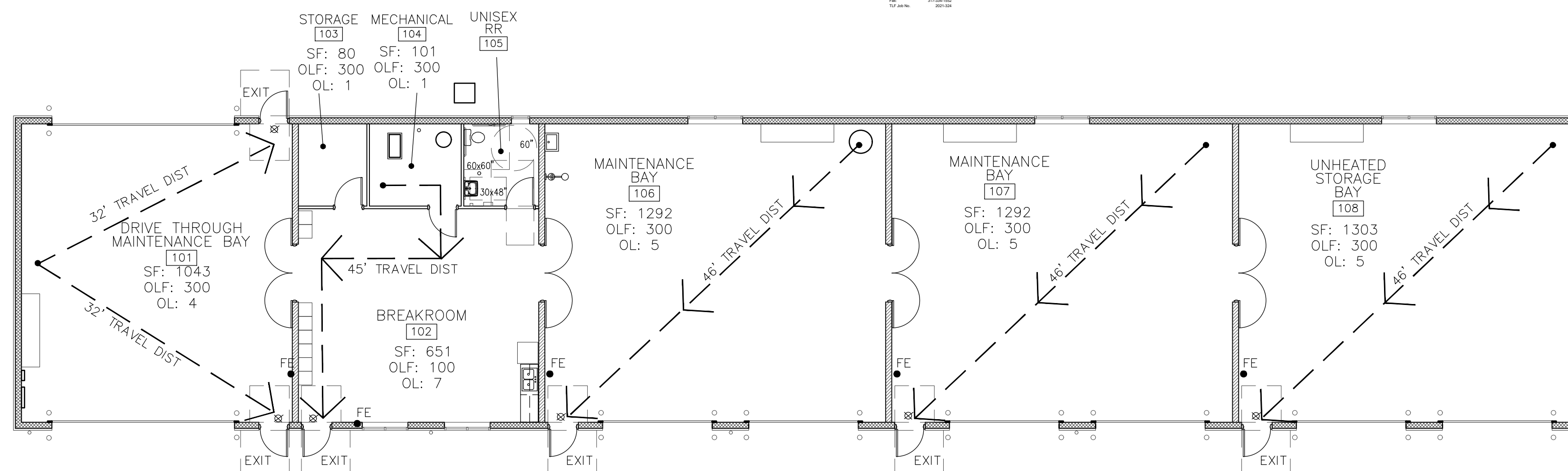
ELECTRICAL

E-1 ELECTRICAL POWER PLAN
E-2 ELECTRICAL LIGHTING PLAN

Proposed Building Location



AERIAL PHOTO OF BUILDING SITE



LIFE SAFETY LEGEND

- FE FIRE EXTINGUISHER LOCATION
- EXIT SIGN
- EXIT DISCHARGE

GOOSE POND
LIFE SAFETY FLOOR PLAN
SCALE: 1" = 10'-0"



F&W Maintenance Building - Goose Pond
Goose Pond Fish & Wildlife Area
DEPT. OF NATURAL RESOURCES
13540 W County Road 400 S
Linton, IN 47441



STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ROOM W29, INDIANA GOVERNMENT CENTER SOUTH
402 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA 46204
TEL 317-232-4150, FAX 317-233-1205

Revisions:

Project Number:
ENG2002904496

Requisition Number:
Requisition#

Designer: Drawing Date:
05/24/23

Drafter: Drawing Scale:
AS NOTED

DNR Approval:

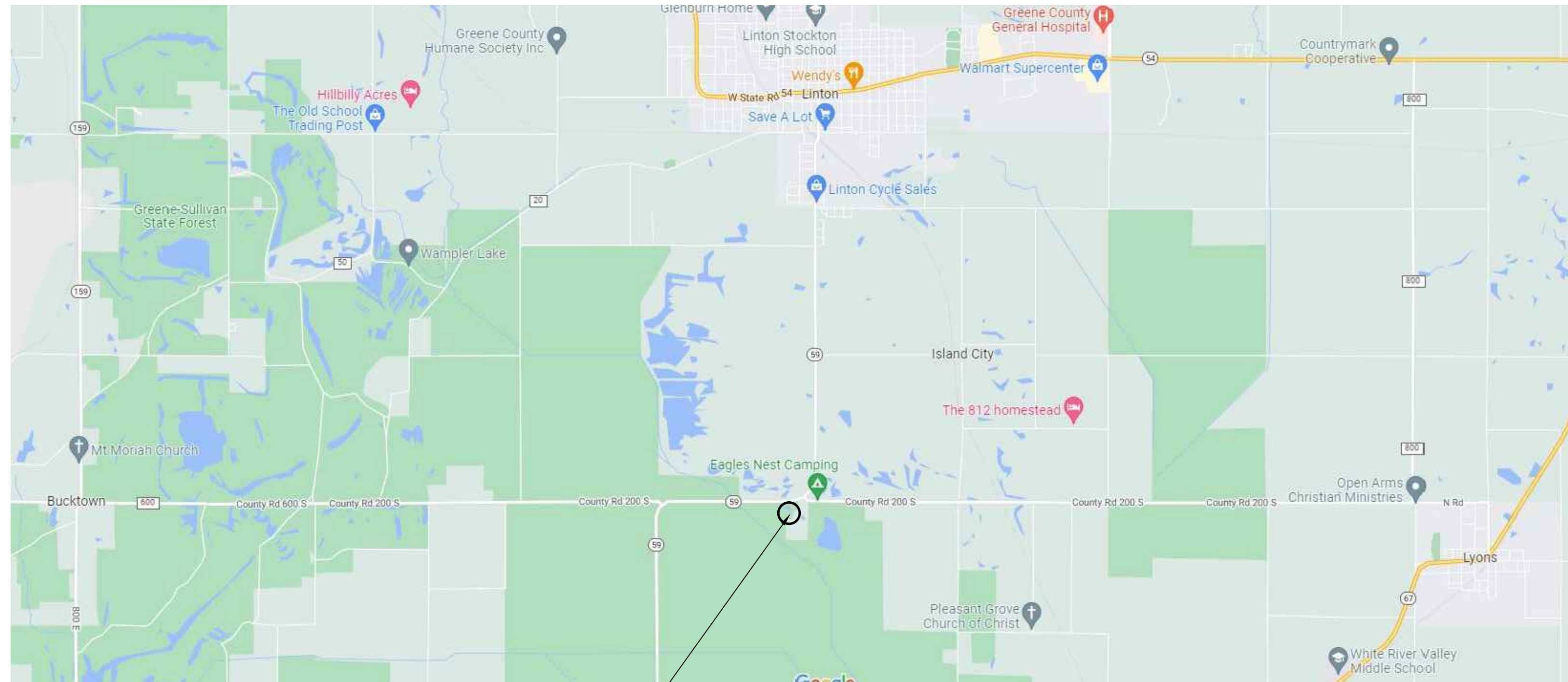
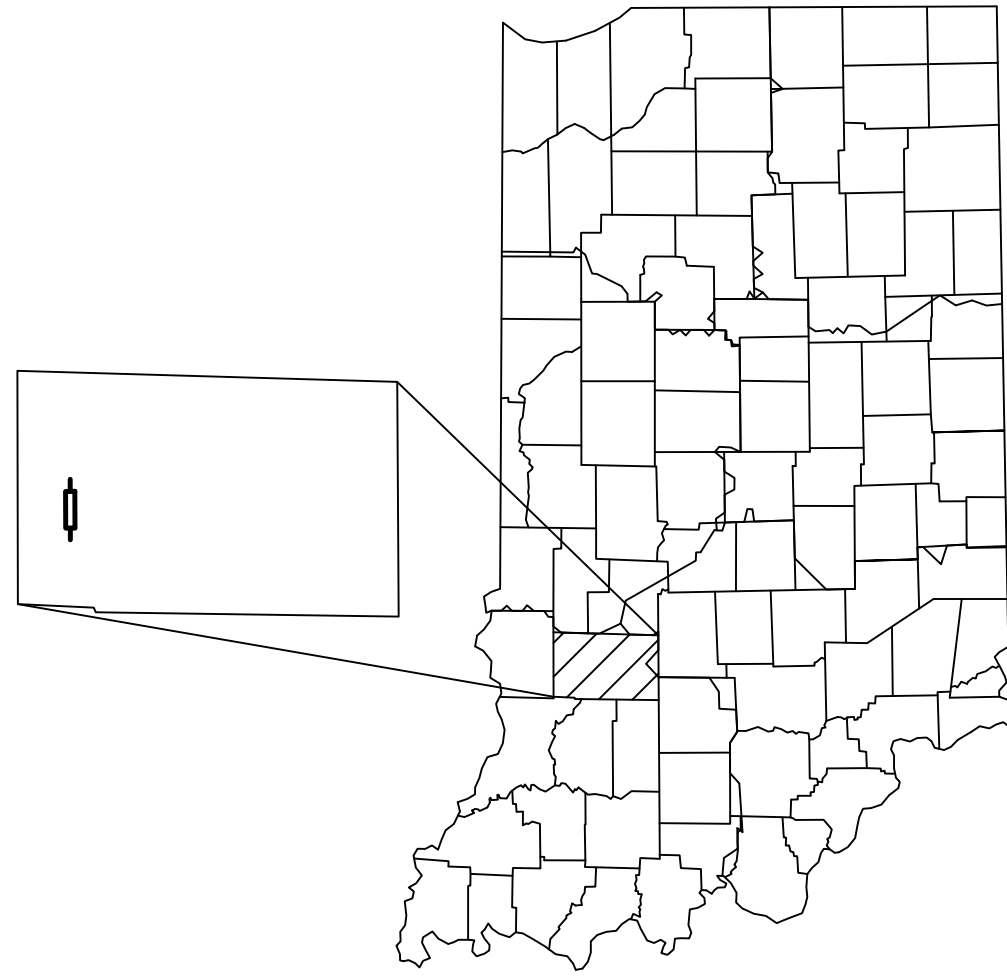
Client Approval:

File Number:
129-004

Drawing Number:
G-1
Sheet: 1 of 31

INDIANA DEPARTMENT OF ADMINISTRATION PUBLIC WORKS DIVISION

PUBLIC WORKS PROJECT NO. JOC 2202904386 DNR - GOOSE POND MAINTENANCE BUILDING



PROJECT LOCATION

LOCATED ON SR 59 APPROXIMATELY 3 MILES SOUTH OF SR 59
AND SR 54 INTERSECTION.

Sheet List Table	
Sheet Number	Sheet Title
1	TITLE SHEET
2	EROSION CONTROL INDEX
3	EROSION CONTROL MAPS
4	TOPO SURVEY
5	SITE PLAN & PROFILE
6	GRADING PLAN & EROSION CONTROL
7-9	DETAILS

UTILITY NOTES

NOTE 1: All utilities depicted are at "Quality Level B" and "Quality Level C".

NOTE 2: "Quality Level B" utility locates are based on markings provided by others. There is no guarantee as to the accuracy or completeness of these markings. Existing utility depths shown on profiles and cross sections are shown for reference purposes only and are based on what may be considered standard bury depths. The exact depth of existing utilities is uncertain and should be field verified by the contractor as needed.

NOTE 3: "Quality Level C" utility locates are based on visible surface features which have been surveyed such as hydrants, valve boxes, meter boxes or other items related to a utility.

NOTE 4: Utility quality level designations are based on ASCE 38-02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data).

UTILITIES

ELECTRIC

DUKE ENERGY
1619 West Deffenbaugh St.
Kokomo, IN 46902
(812)-375-2071

WESTERN INDIANA REMC
1666 West State Road 54
Bloomfield, IN 47424
(800)489-7362

WATER

ELLIS WATER
3030 N, IN-59
Linton, IN 47441
(812)847-9898

ELECTRIC, GAS, & WATER

LINTON UTILITIES
86 South Main St.
Linton, IN 47441
(812)847-4971

TELEPHONE

AT&T
5858 North College Ave.
Indianapolis, IN 46220
(317)352-4007

SMITHVILLE TELEPHONE

1600 West Temperance St.
Ellettsville, IN 47429
(800)742-4084

PLANS PREPARED BY:

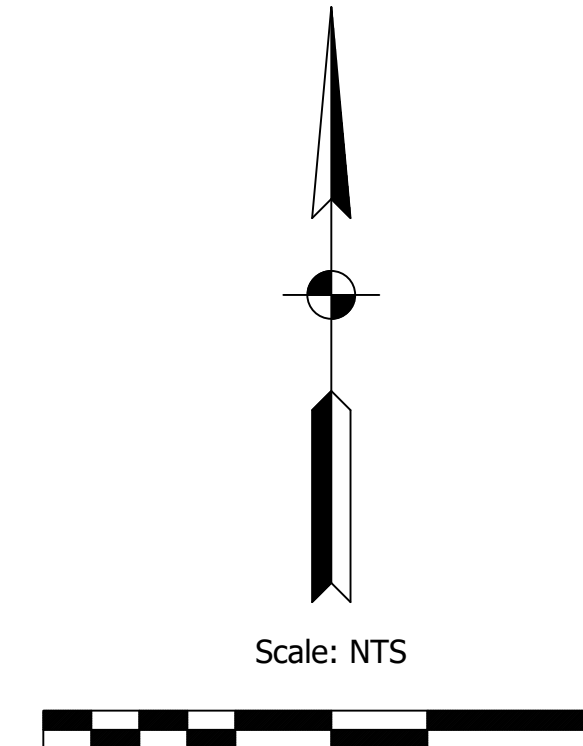


Offices in North Vernon, Seymour, & New Castle

72 Henry Street, PO Box 47
North Vernon, IN 47265

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PREPARED FOR: DNR
PROJECT DESCRIPTION: DNR GOOSE MAINTENANCE BUILDING SITE PLANS
FILE NUMBER: 21-12427
DATE: MAY 25, 2023
DESIGN PHASE: PHASE II FINAL PLANS
PAPER SIZE: PLOT SHEETS TO SCALE ON ANSI D 22" X 34"

PROJECT NAME: DNR GOOSE POND DRIVE

Assessment Item	REMARKS
(Section A) - PLAN ELEMENTS	
1 Index	This form is to act as the project Index
2 11 x17 inch plat showing building Plan / Plat layout	Please refer to site plan/grading and erosion control sheets for plan layout.
3 Narrative describing nature and purpose of project	Please refer to Cover Letter - This site is an existing field that is being developed for a commercial building.
4 Vicinity Map showing project location	Vicinity map is shown on the title sheet (1).
5 Legal Description of site including Latitude and Longitude	The proposed site is located at N 38 degrees 59 minutes 36 seconds, W 87 degrees 10 minutes 11 seconds. Project is located in the NE Quarter of Section 3, Township 6N, Range 7W, Stafford Township, in Greene County, Indiana.
6 Location of all lots/ site improvements	Site improvements can be seen in the plan sheets. These plans are being submitted for erosion control Rule 5 approval needed for the proposed site.
7 Hydrologic Unit Code	14 digit HUC: 05120202060010
8 Notation of State/ Federal Water permits	No work proposed within Waters of the US.
9 Specific Points of Discharge - Leave Site	The site drains West to an UNT of Black Creek. As shown on the Grading/Erosion Control plan sheet (6), silt fence, check dams, and riprap have been placed to accomodate the site drainage prior to discharging to the UNT.
10 Wetlands / Lakes /Water Courses	US Fish and Wildlife mapper data is shown on sheet 3 which also shows there are no known wetlands within project limits.
11 Receiving Waters	The site as shown on plans will continue to flow West to an UNT to Black Creek.
12 Ground Water Discharges	There are no known discharges to ground water in the area within the construction area.
13 100 year Flood Plains	Part of the construction area is located in a flood plain but outside of the floodway, as shown on sheet 3. BFE is Approximately 481.00ft. Any construction within a floodway will receive the required permits.
14 Pre- Post Construction Peak Discharge	This project will not significantly affect the discharge off the site. Shown in (CFS) EXISTING SITE: 2y = 3.3 EXISTING SITE: 10y = 6.42 EXISTING SITE: 100Y =12.08 PROPOSED SITE: 2yr = 3.3 PROPOSED SITE: 10yr = 6.40 PROPOSED SITE: 100yr = 12.00
15 Adjacent Land use	This site is bordered by residential property to the North and East, and agricultural/undeveloped property to the West and South.
16 Construction Limits	Construction Limits are shown on the site plan sheet 5.
17 ID Existing Vegetative Cover	The existing site is covered mostly by grass and row crops.
18 Soils Map	Soils are shown and delineated on the soil map provided in sheet 3.
19 Location, size, dimension of proposed storm water systems	A culvert is proposed on site, the size and location is shown in the plan sheets.
20 Off-Site Activities	No off-site activities are expected, if encountered all offsite construction shall have all required permits.
21 Soil Stockpiles/Disposal	The purpose of this plan and submittal is to provide the erosion control measures necessary for development of the site being proposed. All stockpiles are to be surrounded with Silt Fence and seeded if left undisturbed for more than 7 days per standard Indot Section 205.04 - Temporary Surface Stabilization specifications. Spoils materials such as rock or rubble that will not be used for other construction projects may not be buried onsite. Hazardous waste materials or chemicals that could potentially contaminate water supplies shall not be buried or placed on this spoils site.
22 Site Topography	Topography can be seen on the plan sheets.
23 Final Topography	Final Topography will depend on final grading. Estimated proposed slopes are shown on sheet 6.

PROJECT NAME: DNR GOOSE POND DRIVE

(Section B) - CONSTRUCTION COMPONENT

1 Description of Potential Pollutant Sources	Expected on-site pollutants include Gasoline, Diesel Fuel, vehicular oils and lubricants, greases, coolants, hydrocarbons and hydraulic fuels from construction equipment. Eroded soils may also be present on-site. Refer to "Material Handling" Specifications on plan sheet 5 for additional information.
2 Implementation	Refer to Erosion Control Sequencing provided on plan sheet 6.
3 Construction Entrance	Contractor shall ensure that sediment is not tracked onto any adjacent roadways. Refer to plan sheet 6.
4 Sheet Flow Measures	Sediment will be controlled through the use of silt fence in sheet flow areas. Refer to Plan sheet 6 for proposed locations. Refer to plan sheet 7 for silt fence details.
5 Concentrated Flow Measures	Sediment will be controlled through the use of check dams in concentrated flow area. Refer to Plan sheet 6 for proposed locations. Refer to plan sheet 8 for check dam details.
6 Inlet Protection	Refer to plan sheet 6 for proposed locations. Refer to plan sheet 8 for inlet protection details.
7 Runoff Measures	Temporary seeding of disturbed areas will help control the storm water runoff. Silt fence, inlet protection, riprap, and check dams will protect surrounding areas from sediment associated with storm water runoff. No additional measures are expected to be needed. Refer to Plan sheet 6 for requirements and locations. Refer to plan sheet 7-8 for corresponding details.
8 Outlet Protection Measures	All outlet pipes are to have 3 tons of revetment riprap on 4sys of geotextile. No other additional measures are expected.
9 Grade Stabilization structure locations and Specs	Filling will occur in 6" maximum lifts to allow adequate compaction to stabilize fill slopes.
10 Location, Dimension, Specs, Details of Measures	Refer to Plan sheets 6 for plan view locations for silt fence and filling locations. Additional information and requirements are shown in the erosion control notes on plan sheet 6. Details for erosion control measures are provided on details plan sheet 7-8.
11 Temporary Stabilization	Temporary seeding is to be used on all vegetated areas disturbed which will remain undisturbed for 7 days or more. Refer to standard Indot Section 205.04 - Temporary Surface Stabilization specifications and erosion control notes on plan sheet 6 for further information.
12 Permanent Stabilization	Permanent mulch seeding Type U will be required for stabilization per current INDOT specifications. Refer to "Section 621- Seeding and Sodding" Standard INDOT specifications and erosion control notes on plan sheet 6 for additional information.
13 Material Handling	Refer to Material Handling and Spill Prevention special provision specs provided on details plan sheet 7.
14 Monitoring and Maintenance Guidelines	Refer to Monitoring and Maintenance Plan notes listed on the Plan sheet 6.
15 Erosions and Sediment Control for Individual Lots	Not Applicable

(Section C) - POST CONSTRUCTION

1 Pollutant Sources Post Construction	Expected on-site pollutants include Gasoline, Diesel Fuel, vehicular oils and lubricants, greases, coolants, hydrocarbons and hydraulic fuels from military equipment. Possible post construction pollution could also include things such as minor soil erosion due to disturbed soils. Permanent seeding of disturbed vegetated soils shall be required to lessen post construction pollution. Refer to "Material Handling" Specifications on plan sheet 7 sheet for additional information.
2 Sequence for storm water Quality implementation	Refer to Erosion Control Sequencing listed on Plan sheet 6.
3 Description of proposed post construction measures	Permanent seeding will be required per INDOT specifications in all disturbed vegetated areas to help reduce/eliminate erosion. Fill areas shall be well compacted and topsoil shall be used overtop fill in lawn areas to promote growth. Fill shall be installed in lifts and filling operations shall be in compliance with INDOT specs.
4 Location, Dimensions , Specs, details of measures	Refer to Plan sheet 6 and Details sheets 7-8 for further information and details. Refer to "Section 621- Seeding and Sodding" of current INDOT specifications for maintenance guidelines on permanent seeding.
5 Description of Maint. Guidelines for measures	Refer to Monitoring and Maintenance Plan notes on plan sheet 6 for maintenance guidelines. Refer to current INDOT specifications "Section 621- Seeding and Sodding" for maintenance guidelines on permanent seeding.

GENERAL NOTE:
All construction to meet or exceed all state, local, and federal codes & requirements, including but not limited to current INDOT, ISBH, IDEM, OSHA, local requirements & codes. The drawings & specs. that make up the work of this project are interrelated & dependent on every other drawing and spec. section. The contractor shall review all other specs., drawing & addendum (if applicable) to coordinate all work that relates to this project. If an item is drawn or specified on any spec. section or drawing, it shall be as if it were part of this work and shall be provided for in the contract.

NOTES:
1. This sheet is to be: ANST D 22" X 34"

FPBH, Inc.
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www.fpbhonline.com



SCALE: AS SHOWN		
DRAWN BY: ARC		
CHECKED BY: CLK		
DATE: MAY 25, 2023		
Revision	Drawn By	Date
FILE NO: 21-12427		
CLIENT NAME: DNR		
PROJECT DESCRIPTION: DNR GOOSE POND MAINTENANCE BUILDING PLANS		
SHEET TITLE: EROSION CONTROL INDEX		
DESIGN PHASE: PHASE II FINAL PLANS		
SHEET NUMBER: 2		



SOIL MAP
NTS

Soil Map—Greene County, Indiana 2112427

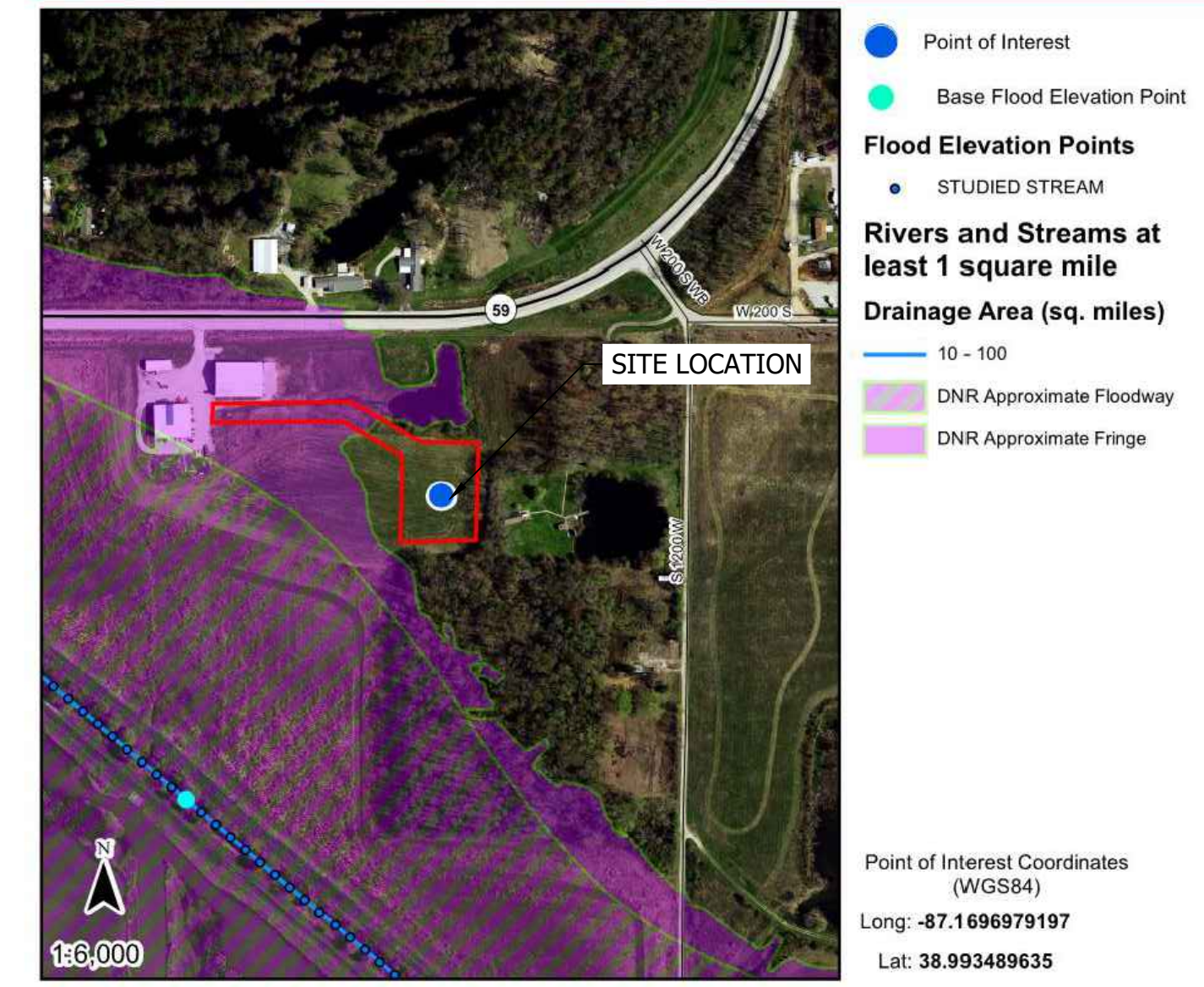
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Bo	Bonnie silt loam, frequently flooded	1.4	8.1%
Cfc2	Cincinnati silt loam, Wabash Lowland, 8 to 12 percent slopes, eroded	2.9	17.0%
FcC	Fairpoint parashannery clay loam, 2 to 12 percent slopes	11.8	69.4%
Zp	Zipp silty clay	0.9	5.5%
Totals for Area of Interest		17.0	100.0%

USDA Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey 3/3/2022 Page 3 of 3



Floodplain Analysis & Regulatory Assessment (FARA)



The information provided below is based on the point of interest shown in the map above.

County: **Greene** Approximate Ground Elevation: **486.6 feet (NAVD88)**

Stream Name: **Black Creek** Base Flood Elevation: **481.0 feet (NAVD88)**

Best Available Flood Hazard Zone: **Not Mapped** Drainage Area: **Not available**

National Flood Hazard Zone: **FEMA Zone A**

Is a Flood Control Act permit from the DNR needed for this location? **See following pages**

Is a local floodplain permit needed for this location? **Contact your local Floodplain Administrator-**

Floodplain Administrator: **Edward Strong, Greene County Surveyor**

Community Jurisdiction: **Greene County, County proper**

Phone: **(812) 384-2026**

Email: **edward.strong@co.greene.in.us**

US Army Corps of Engineers District: **Louisville** Date Generated: 3/3/2022

FLOODPLAIN MAP
NTS

U.S. Fish and Wildlife Service
National Wetlands Inventory

2112427



March 3, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

WETLAND MAP
NTS

GENERAL NOTE:
All construction to meet or exceed all state, local, and federal codes & requirements, including but not limited to current INDOT, ISBH, IDEM, OSHA, local requirements & codes. The drawings & specs. that make up the work of this project are interrelated & dependent on every other drawing and spec. section. The contractor shall review all other specs., drawing & addendum (if applicable) to coordinate all work that relates to this project. If an item is drawn or specified on any spec. section or drawing, it shall be as if it were part of this work and shall be provided for in the contract.

NOTES:
1. This sheet is to be: ANSI D 22" X 34"

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SCALE: AS SHOWN

DRAWN BY: ARC

CHECKED BY: CLK

DATE: MAY 25, 2023

Revision	Drawn By	Date

FILE NO: 21-12427
CLIENT NAME: DNR

PROJECT DESCRIPTION:
DNR GOOSE POND MAINTENANCE BUILDING PLANS

SHEET TITLE:
EROSION CONTROL MAPS

DESIGN PHASE:
PHASE II FINAL PLANS

SHEET NUMBER:
3

LINE	BEARING	DISTANCE (Field)	DISTANCE (Deed)
L1	S 89°47'17" W	392.73'	391.93'
L2	N 85°16'58" E	100.17'	100.13'
L3	S 89°12'58" E	299.94'	300.00'
L4	N 00°08'56" E	73.17' to Section line 75.42' to Control Box 75.00'	

CONTROL POINT & BENCHMARK SUMMARY				
PT. #	Description	Northing	Easting	Elevation
T.B.M. #1	Horizontal Line on the South Side of Power Pole	1364513.39	2928837.48	490.50
C.P. #1	Mag Nail Flush With Road	1364541.54	3007840.45	491.17
C.P. #2	5/8" Rebar W/Cap (Down 1")	1364465.00	2927365.99	474.96
C.P. #3	1" Pipe (Down 4")	1363916.77	2928834.32	N/A

HORIZONTAL DATUM = NAD83 STATE PLANE COORDINATES (INDIANA WEST)
 VERTICAL DATUM = NAVD 88, TIED TO NGS MONUMENT TT84D BRONZE DISK
 TOPOGRAPHIC SURVEY AS INDICATED BY FIELD WORK COMPLETED ON
 FEBRUARY 24, 2021.

SURVEYOR'S REPORT

This report is for the topographic survey of part of the Northeast Quarter of Section 3, Township 6 North, Range 7 West, Stafford Township, Greene County, Indiana, for Indiana Department of Natural Resources.

In accordance with Title 865, Chapters 1 thru 12 of the Indiana Administrative Code, the following observations and opinions are submitted regarding the various uncertainties in the locations of the lines and corners established on this survey as a result of:

- Variances in the reference monuments
- Discrepancies in record descriptions and plats
- Inconsistencies in lines of occupation
- Random errors in measurement (Theoretical Uncertainty)

As a result of the above observations, it is my opinion that the uncertainties in the locations of the lines and corners established on this survey are as follows:

- Variances in the reference monuments: This survey is based on Indiana (West Zone) State Plane Coordinates and elevations shown on this survey are tied to NGS MONUMENT "TT84D" located in Hoosier, Southwest of the intersection of SR 59 and W County Road 300 North. This benchmark was set using elevation datum NAVD 88. This survey is tied to a Magnal at the Northwest Corner of said section 3 and a 5/8" Rebar with cap (Tibbet) at the Southwest Corner of Section 34, T7N, R7W, Stockton Township, Greene County, Indiana. All of these corners have uncertainties of approximately 2 feet. Other called for and found monuments were referenced from a prior survey done by Indiana Department of Transportation and certified by Terry Livingston on June 6, 2013 and recorded in the office of the Greene County Recorder. Other called for and found monuments were referenced from a prior survey done by CB&M Survey's Inc. and certified by James C. Tibbet on January 11, 2000 and recorded as Instrument Number 200000000462 in the office of the Greene County Recorder. All found monuments were within close tolerance to their intended positions including (4) 5/8" Rebars with Caps (Tibbet) along the East boundary of that part of Instrument Number 200000000462 (Tract Four) shown in this survey. Also, a 5/8" Rebar with Cap (Tibbet), (2) INDOT Type B Right-of-Way monuments (2" below surface), and a 1/2" Rebar along the South Right-of-Way of SR 59 and a Magnal at the Northeast Corner of Section 3.
- Discrepancies in record descriptions and plats: The distance called for along L4 is 75.00 feet, the field measurement is 73.17' to the North section line of said section 3 and 75.42 feet to an INDOT control box in the centerline of SR59. It is unclear from the description if the intent was a call to the section line. This is shown in this survey. The distance called for from the West side and along the North line of the lands formerly owned by Lewis P. Cline and Luva M. Cline (Deed Record 189, Page 499) now owned by Brian P. Cline is 210.0 feet to a monument. The field measured distance is 206.09 feet to a 3/4" Pipe. No other monument was found at the record distance. This is shown on this survey.
- Inconsistencies in lines of occupation: There are no known inconsistencies.
- The Relative Positional Accuracy (due to random errors in measurement) of this survey is within that allowable for a Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.
- This parcel contains improvements.
- Part of this parcel is located in an area designated as a "Special Flood Hazard" Zone "A" per Indiana Department of Natural Resource's website <https://dnrmaps.dnr.in.gov/apps/phi/floods/>. Approximate flooding elevation is 481 ft per NAVD88 vertical datum.
- Ownership shown hereon is per County records.
- No effort has been made to research or show easements or setback lines on this survey, unless otherwise shown on this plat. If setback or easements are shown, there is no guarantee that others do not exist.
- All monuments shown on the plat of this survey were found or set within two inches of the surface of the ground unless otherwise noted.
- February 24, 2021 was the date of the last fieldwork for this survey.

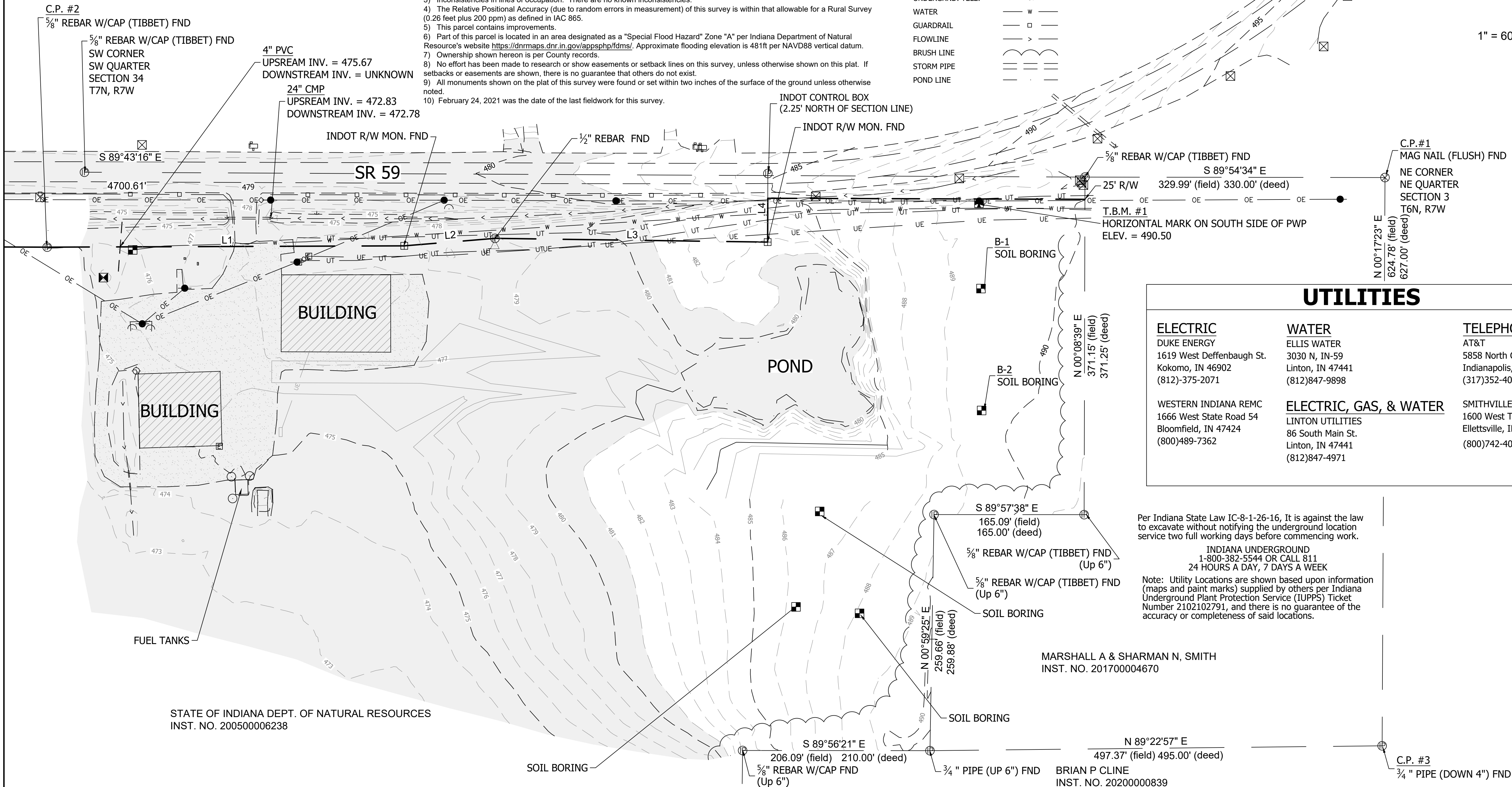
CERTIFICATE OF SURVEYOR

I, the undersigned, do hereby certify that I am a Registered Professional Land Surveyor in and for the State of Indiana, that to the best of my knowledge and belief this survey meets the requirements of Title 865, Article 1, Rule 12, Section 1 through 30 of the Indiana Administrative Code (commonly called "Rule 12"), that this represents a survey completed by FPBH, Inc. in February, 2021, and that all information shown is true and correct to the best of my knowledge and belief.

Charles R. Ebinger
 Charles R. Ebinger, PE/PLS
 February 26, 2021

EX. FEATURES LEGEND

APPROX. FLOOD ZONE A (481.00 FT)	WATER METER	SIGN POST
EX. GRAVEL	POWER POLE	CORNER POST
EX. BUILDING	GUY WIRE	BENCHMARK
INDOT R/W	BOLLARD	MAG NAIL FND.
EDGE OF PAVEMENT	ELECTRIC BOX/METER	IRON PIN FND.
WHITE LINE	TELEPHONE BOX	R/W MONUMENT
OVERHEAD ELEC.	MAILBOX	
UNDERGRND. ELEC.	WATER HYDRANT	
UNDERGRND. TELE.	SUMP PUMP	
WATER	SOIL BORING	
GUARDRAIL		
FLOWLINE		
BRUSH LINE		
STORM PIPE		
POND LINE		



UTILITIES

ELECTRIC DUKE ENERGY 1619 West Deffenbaugh St. Kokomo, IN 46902 (812)-375-2071 WESTERN INDIANA REMC 1666 West State Road 54 Bloomfield, IN 47424 (800)489-7362	WATER ELLIS WATER 3030 N, IN-59 Linton, IN 47441 (812)847-9898 ELECTRIC, GAS, & WATER LINTON UTILITIES 86 South Main St. Linton, IN 47441 (812)847-4971	TELEPHONE AT&T 5858 North College Ave. Indianapolis, IN 46220 (317)352-4007 SMITHVILLE TELEPHONE 1600 West Temperance St. Ellettsville, IN 47429 (800)742-4084
---	--	---

Per Indiana State Law IC-8-1-26-16, it is against the law to excavate without notifying the underground location service two full working days before commencing work.

INDIANA UNDERGROUND
 1-800-382-5544 OR CALL 811
 24 HOURS A DAY, 7 DAYS A WEEK

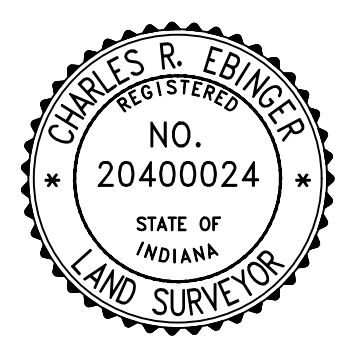
Note: Utility Locations are shown based upon information (maps and paint marks) supplied by others per Indiana Underground Plant Protection Service (IUPPS) Ticket Number 2102102791, and there is no guarantee of the accuracy or completeness of said locations.

MARSHALL A & SHARMAN N, SMITH
 INST. NO. 201700004670

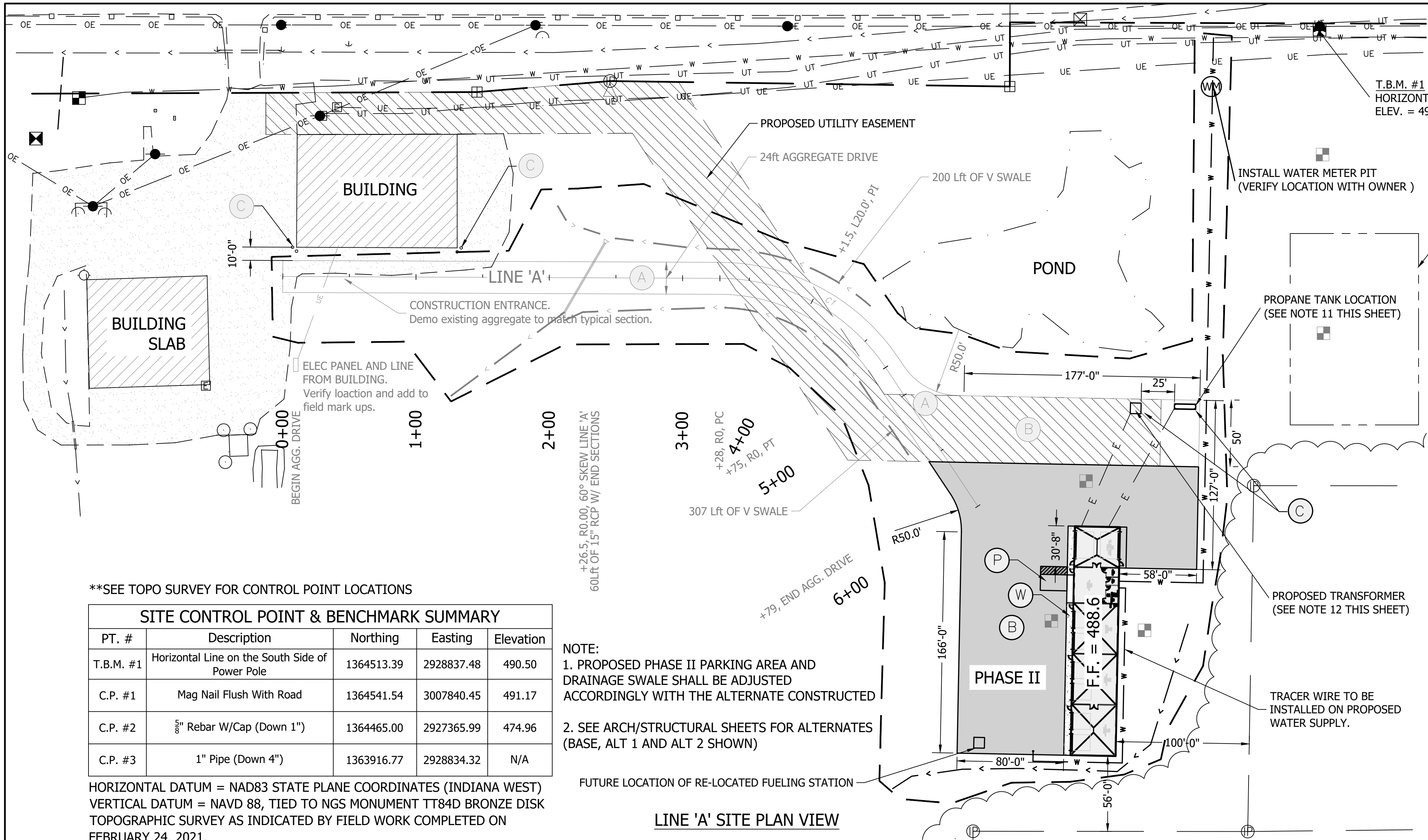
BRIAN P CLINE
 INST. NO. 20200000839

STATE OF INDIANA DEPT. OF NATURAL RESOURCES
 INST. NO. 200500006238

FPBH, Inc.
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 www.fpbhonline.com



SCALE: 1" = 60'		
DRAWN BY: ARC		
CHECKED BY: CRE		
DATE: FEBRUARY 26, 2021		
Revision R/W	Drawn By ARC	Date 3/8/21
FILE NO: 2011965		
CLIENT NAME: INDIANA DEPARTMENT OF NATURAL RESOURCES		
PROJECT DESCRIPTION: GOOSE POND TOPOGRAPHIC SURVEY		
SHEET TITLE: TOPOGRAPHIC SURVEY		
DESIGN PHASE: FINAL		
SHEET NUMBER: 4		



PLAN LEGEND

- PROPOSED AGGREGATE DRIVE (COMPLETED IN PHASE I)
- PROPOSED AGGREGATE PARKING
- PROPOSED BOLLARDS (1 AT EACH CORNER)
- PROPOSED 'V' SWALE (4:1 MAX SIDE SLOPES)
- PROPOSED STORM SEWER PIPE (END SECTIONS REQUIRED, SEE DETAIL SHEET 8)
- CONSTRUCTION LIMITS
- PROPOSED BLDG
- PROPOSED (2) 3" SCH. 80 CONDUITS W/ TRACER WIRE
- PROPOSED WATER LINE W/HYDRANT

EX. FEATURES LEGEND

- EX. GRAVEL
- EX. BUILDING
- INDOT R/W
- EDGE OF PAVEMENT
- WHITE LINE
- OVERHEAD ELEC.
- UNDERGRND. ELEC.
- UNDERGRND. TELE.
- GUARDRAIL
- FLOWLINE
- BRUSH LINE
- WATER METER
- POWER POLE
- GUY WIRE
- BOLLARD
- ELECTRIC BOX/METER
- TELEPHONE BOX
- MAILBOX
- WATER HYDRANT
- SUMP PUMP
- SOIL BORING
- STORM PIPE
- POND LINE
- SIGN POST
- CORNER POST
- BENCHMARK
- MAG NAIL FND.
- IRON PIN FND.
- R/W MONUMENT

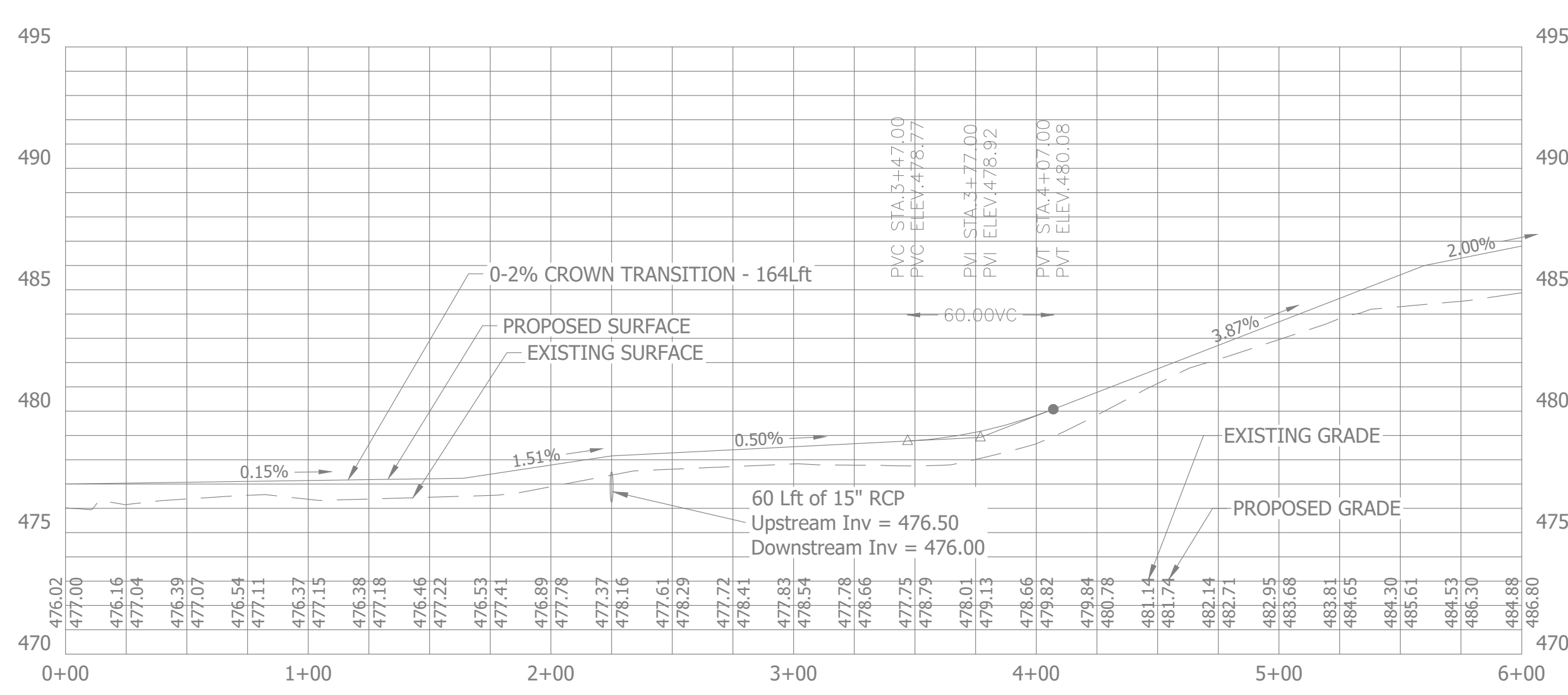
**SEE TOPO SURVEY FOR CONTROL POINT LOCATIONS

PT. #	Description	Northing	Easting	Elevation
T.B.M. #1	Horizontal Line on the South Side of Power Pole	1364513.39	2928837.48	490.50
C.P. #1	Mag Nail Flush With Road	1364541.54	3007840.45	491.17
C.P. #2	8" Rebar W/Cap (Down 1")	1364465.00	2927365.99	474.96
C.P. #3	1" Pipe (Down 4")	1363916.77	2928834.32	N/A

NOTE:
 1. PROPOSED PHASE II PARKING AREA AND DRAINAGE SWALE SHALL BE ADJUSTED ACCORDINGLY WITH THE ALTERNATE CONSTRUCTED
 2. SEE ARCH/STRUCTURAL SHEETS FOR ALTERNATES (BASE, ALT 1 AND ALT 2 SHOWN)

HORIZONTAL DATUM = NAD83 STATE PLANE COORDINATES (INDIANA WEST)
 VERTICAL DATUM = NAVD 88, TIED TO NGS MONUMENT TT84D BRONZE DISK
 TOPOGRAPHIC SURVEY AS INDICATED BY FIELD WORK COMPLETED ON FEBRUARY 24, 2021.

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT	DEGREE OF CURVE
C1	150.0ft	147.0ft	141.19ft	S 61°41'10" E	56°09'00"	80.01ft	38°11'50"



LINE 'A' PROFILE (INSTALLED IN PHASE I)
 Horizontal Scale: 1" = 50'
 Vertical Scale: 1" = 5'

PT. #	Description	Northing	Easting
CP #1	LINE 'A' STATION 0+00	1364328.03	2927612.96
CP #2	LINE 'A' PC STATION 3+28	1364326.66	2927940.96
CP #3	LINE 'A' PT STATION 4+75	1364259.70	2928065.26
CP #4	LINE 'A' STATION 5+79	1364173.10	2928122.81

EARTHWORK QUANTITIES (STRIPPING AND GRASSED AREAS)

TOPSOIL STRIPPING (6" AVG OVER PARKING AND BUILDING) = 573 CYS (USE AS FILL IN GRASS AREAS)

COMMON EXCAVATION (CUT AFTER TOPSOIL STRIPPED): 97 CYS
FILL VOLUME: 585 CYS
WASTE: (573 + 97) - 585 = 85 CYS
ANY EXCESS FILL SHALL BE PLACED IN STOCKPILE AREAS SHOWN ON PLANS. REDISTRIBUTE EXCESS ON SITE.

EARTHWORK QUANTITIES (PARKING AND BUILDING)

STRUCTURAL FILL TO SUBGRADE (AFTER TOPSOIL STRIPPED): 1,220 CYS

NOTE:
 *REFER TO GEOTECHNICAL REPORT FOR STRUCTURAL FILL REQUIREMENTS

- SITE PLAN NOTES**
- ENSURE GRADING IS ADA COMPLIANT IN ALL SIDEWALKS. THE CROSS SLOPE OF WALKS SHALL BE 1% (DRAINING AWAY FROM BUILDING). ALL DOOR STOOPS (CONCRETE AT DOOR ENTRANCE THRESHOLDS) SHALL BE ADA COMPLIANT 0.02' OR LESS BELOW FINISH FLOOR ELEVATION. ADA PARKING SHALL BE 1.5% MAX AWAY FROM BUILDING.
 - EROSION CONTROL MEASURES SHALL BE IMPLEMENTED THROUGHOUT CONSTRUCTION TO PREVENT SEDIMENT DISCHARGE. REFER TO GRADING AND EROSION CONTROL PLAN SHEET FOR EROSION CONTROL REQUIREMENTS.
 - REFER TO GRADING AND EROSION CONTROL SHEET FOR STORM SEWER REQUIREMENTS.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH PUBLIC UTILITY ON RELOCATIONS REQUIRED.
 - ELECTRIC, CABLE TV, TELEPHONE, WATER, COMMERCIAL SEPTIC, GAS, AND OTHER UTILITY ROUTINGS DESIGNED BY OTHERS. SHALL BE INSTALLED PER IAC.
 - SEE DETAIL SHEETS 7 & 8 FOR ADDITIONAL DETAILS AND INFORMATION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION PLANS AND OVERALL BUILDING OUTLINE. BUILDING STAKED OFF OF CIVIL PLANS OR CIVIL CAD FILES ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS FOR ACCURACY.
 - REFER TO ARCHITECTURAL PLANS FOR ROOF DRAIN DOWNSPOUT LOCATIONS. DOWNSPOUT ROOF DRAINS BY OTHERS.
 - REFER TO GEOTECHNICAL REPORT (PROVIDED BY OTHERS) FOR FILL REQUIREMENTS AND ADDITIONAL INFORMATION.
 - RESULTS PROVIDED BY THE GEOTECHNICAL REPORT MAY VARY FROM FIELD CONDITIONS ALONG PROPOSED ROADWAY ALIGNMENT. CONSULT ENGINEER IF EXISTING SOILS DIFFER.
 - SEE DETAIL SHEET 8, CONTRACTOR IS TO PROVIDE 1-1/4 INCH BURIED COPPER PROPANE PIPING FROM THE LOCATION OF THE NEW PROPANE TANK TO THE BUILDING. CONTRACTOR SHALL PROVIDE A PROPANE GAS PRESSURE REGULATOR SELECTED BASED UPON THE EQUIPMENT PROVIDED.
 - SEE DETAIL SHEET 8, TRANSFORMER LOCATION IS BASED ON PROPANE LP TANK CAPACITY OF 501 - 2000 GALLON CAPACITY. LOCATION OF TRANSFORMER MAY VARY DEPENDING ON FINAL LP TANK SIZE. LP CONTAINER AND HAZARD SEPARATION SHALL MEET INDIANA FIRE CODE, SECTION 6104.

GENERAL NOTE:
 All construction to meet or exceed all state, local, and federal codes & requirements including but not limited to current INDOT, ISBH, IDEM, OSHA, local requirements & codes. The drawings & specs. that make up the work of this project are interrelated & dependent on every other drawing and spec. section. The contractor shall review all other specs., drawing & addendum (if applicable) to coordinate all work that relates to this project. If an item is drawn or specified on any spec. section or drawing, it shall be as if it were part of this work and shall be provided for in the contract.

NOTES:
 1. This sheet is to be: ANS I 22" X 34"

FPBH, Inc.
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 www.fpbhonline.com

5-25-2023
 REGISTERED PROFESSIONAL ENGINEER
 No. 10808974
 STATE OF INDIANA
 Cady K.

SCALE: 1" = 50'
 DRAWN BY: ARC
 CHECKED BY: CLK
 DATE: MAY 25, 2023

Revision	Drawn By	Date

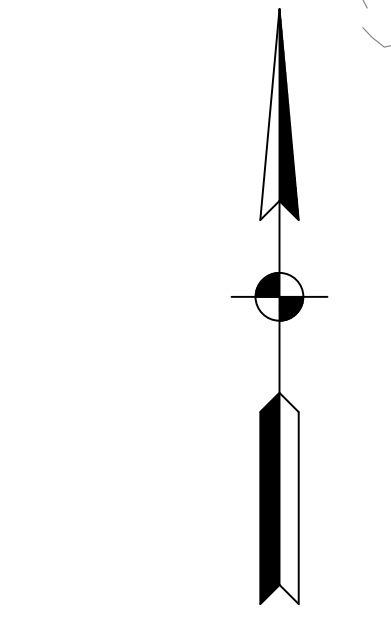
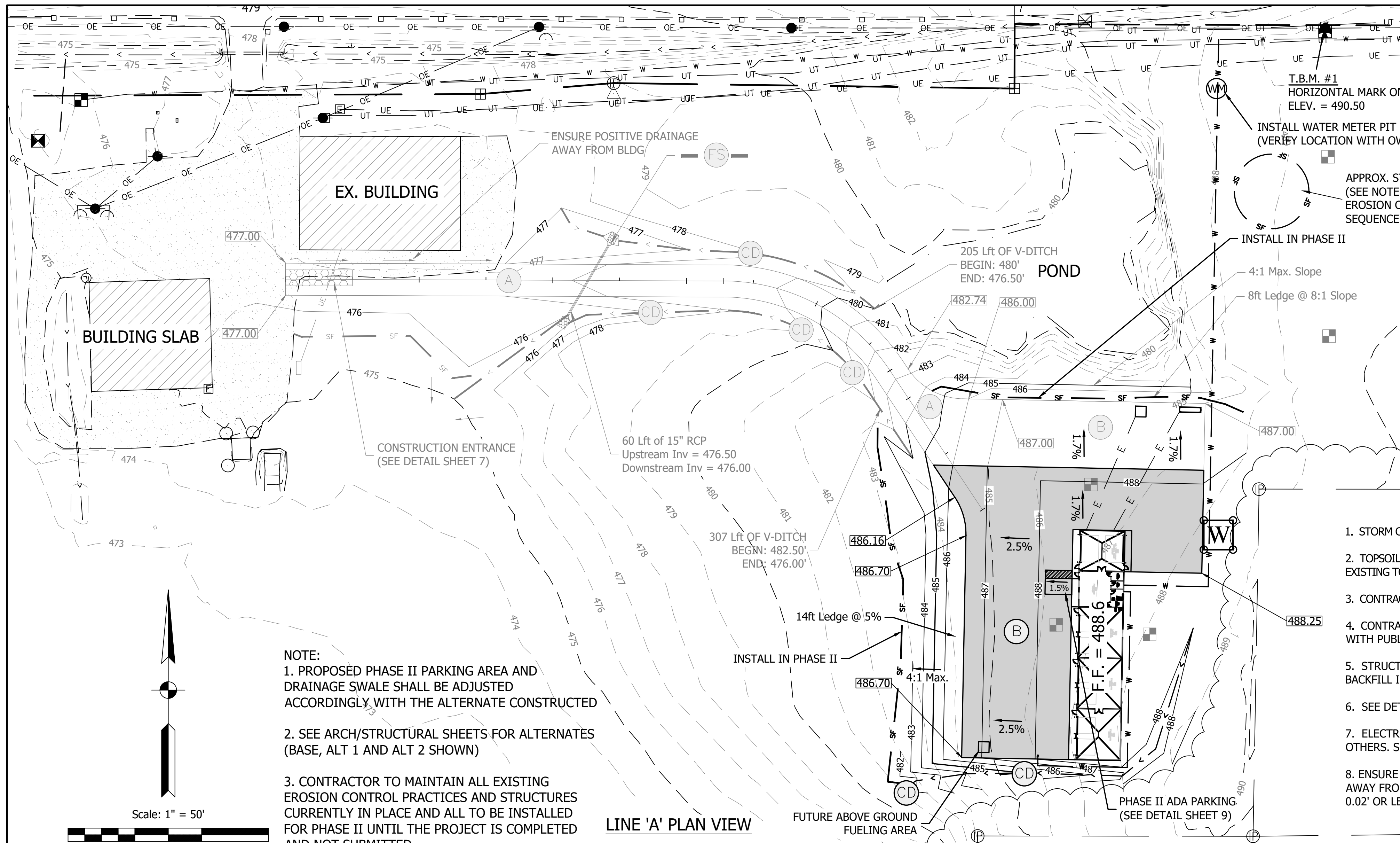
FILE NO: 21-12427
 CLIENT NAME: DNR

PROJECT DESCRIPTION:
 DNR GOOSE POND MAINTENANCE BUILDING PLANS

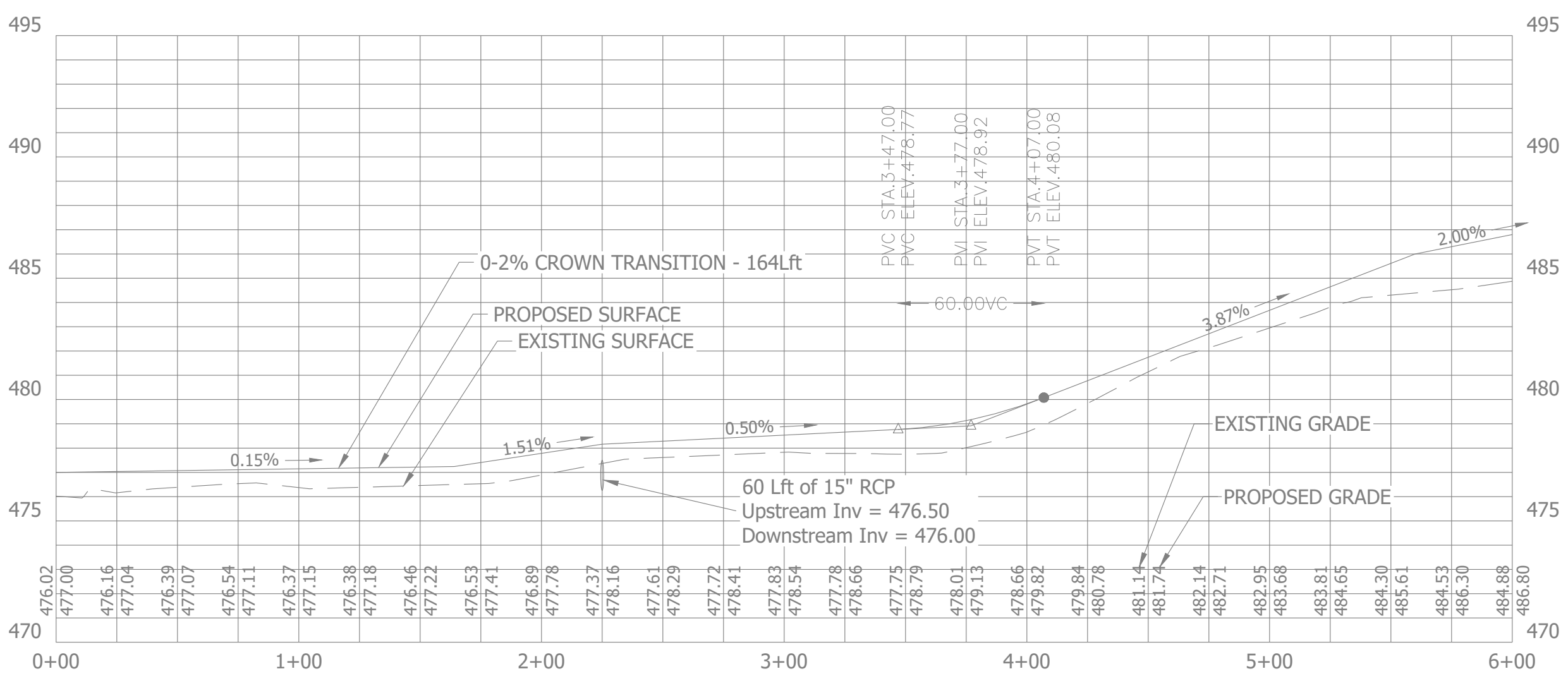
SHEET TITLE:
 SITE PLAN & PROFILE

DESIGN PHASE:
 PHASE II FINAL PLANS

SHEET NUMBER:
5



NOTE:
 1. PROPOSED PHASE II PARKING AREA AND DRAINAGE SWALE SHALL BE ADJUSTED ACCORDINGLY WITH THE ALTERNATE CONSTRUCTED
 2. SEE ARCH/STRUCTURAL SHEETS FOR ALTERNATES (BASE, ALT 1 AND ALT 2 SHOWN)
 3. CONTRACTOR TO MAINTAIN ALL EXISTING EROSION CONTROL PRACTICES AND STRUCTURES CURRENTLY IN PLACE AND ALL TO BE INSTALLED FOR PHASE II UNTIL THE PROJECT IS COMPLETED AND NOT SUBMITTED.



LINE 'A' PROFILE (INSTALLED IN PHASE I)
 Horizontal Scale: 1" = 50'
 Vertical Scale: 1" = 5'

PLAN LEGEND

	PROPOSED 'V' SWALE (4:1 MAX SIDE SLOPES)		CONCRETE WASHOUT
	EXISTING CONTOUR		TEMPORARY CHECK DAM
	PROPOSED CONTOUR		TEMPORARY FILTER SOCK
	PROPOSED STORM SEWER PIPE (END SECTIONS REQUIRED, SEE DETAIL SHEET 8)		
	PROPOSED GRADE		
	MATCH EXISTING GRADE		
	PROPOSED AGGREGATE DRIVE		
	PROPOSED AGGREGATE PARKING		
	PROPOSED V-DITCH		
	PROPOSED STORM SEWER PIPE (END SECTIONS REQUIRED, SEE DETAIL SHEET 8)		
	PROPOSED STORM SEWER PIPE (END SECTIONS REQUIRED, SEE DETAIL SHEET 8)		
	PROPOSED STORM SEWER PIPE (END SECTIONS REQUIRED, SEE DETAIL SHEET 8)		

EX. FEATURES LEGEND

	EX. GRAVEL		WATER METER
	EX. BUILDING		POWER POLE
	INDOT R/W		GUY WIRE
	EDGE OF PAVEMENT		BOLLARD
	WHITE LINE		ELECTRIC BOX/METER
	OVERHEAD ELEC.		TELEPHONE BOX
	UNDERGRND. ELEC.		MAILBOX
	UNDERGRND. TELE.		WATER HYDRANT
	WATER		SUMP PUMP
	GUARDRAIL		SOIL BORING
	FLOWLINE		BRUSH LINE
	POND LINE		STORM PIPE
	SIGN POST		CORNER POST
	BENCHMARK		MAG NAIL FND.
	IRON PIN FND.		R/W MONUMENT

- GRADING & UTILITY NOTES**
- STORM CULVERT PIPE SHALL BE RCP. SEE DETAIL SHEET 8 FOR INSTALLATION DETAILS.
 - TOPSOIL SHALL BE STRIPPED FROM ROADWAY AREA AND REDISTRIBUTED AFTER GRADING IS COMPLETED. FIELD VERIFY EXISTING TOPSOIL THICKNESS.
 - CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE THROUGHOUT PROJECT LIMITS.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH PUBLIC UTILITY ON RELOCATIONS REQUIRED.
 - STRUCTURE BACKFILL REQUIRED ON STORM SEWER PIPES WHERE UNDER OR WITHIN 5 FEET OF PAVEMENT. BACKFILL IN ACCORDANCE WITH MANUFACTURE SPECS.
 - SEE DETAIL SHEET 8 FOR TYPICAL SECTION.
 - ELECTRIC, CABLE TV, TELEPHONE, WATER, COMMERCIAL SEPTIC, GAS, AND OTHER UTILITY ROUTINGS DESIGNED BY OTHERS. SHALL BE INSTALLED PER IAC.
 - ENSURE GRADING IS ADA COMPLIANT IN ALL SIDEWALKS. THE CROSS SLOPE OF WALKS SHALL BE 1% (DRAINING AWAY FROM BUILDING). ALL DOOR STOOPS (CONCRETE AT DOOR ENTRANCE THRESHOLDS) SHALL BE ADA COMPLIANT 0.02' OR LESS BELOW FINISH FLOOR ELEVATION. ADA PARKING SHALL BE 1.5% MAX AWAY FROM BUILDING.

- EROSION CONTROL NOTES/SEQUENCE**
- PRIOR TO LAND DISTURBANCE, INSTALL SEDIMENT CONTROL MEASURES (CONSTRUCTION ENTRANCE, SILT FENCE, ETC.) AS SHOWN TO PREVENT SEDIMENT DISCHARGE OFF THE SITE PER DETAILS ON SHEET 7 & 8.
 - CONTRACTOR SHALL STRIP TOPSOIL FROM CONSTRUCTION AREAS PRIOR TO PLACING ANY FILL MATERIALS. STRIPPED TOPSOIL SHALL BE REDISTRIBUTED OVER CONSTRUCTION AREA AFTER GRADING IS COMPLETE AND PRIOR TO MULCH SEEDING. CONTRACTOR SHALL FIELD VERIFY TOPSOIL THICKNESS AND PROVIDE 4" - 6" MINIMUM.
 - STOCKPILE CUT MATERIAL ONSITE AND SURROUNDED WITH SILT FENCE. TEMPORARILY SEED/MULCH IN ACCORDANCE WITH INDOT SPECS.
 - PROVIDE INLET PROTECTIONS AS NEEDED. SEE DETAILS ON SHEET 8.
 - INSTALL CONCRETE WASHOUT PRIOR TO POURING ANY CONCRETE. WASHOUT SHALL BE WATERTIGHT PER WASHOUT DETAIL OR DUMPSTER (3 CYD OR LARGER) LINED WITH PLASTIC. CONTRACTOR SHALL MONITOR WASHOUT AND ENSURE MINIMUM OF 12" OF FREEBOARD IS PROVIDED AT ALL TIMES IN WASHOUT. CONTRACTOR SHALL ALLOW WASH WATER TO EVAPORATE/HARDEN AND THEN DISPOSE OF HARDENED CONCRETE. IF DISPOSED OF ONSITE, CONCRETE SHALL BE COMPLETELY BURIED AND COVERED WITH 2 FEET OR MORE OF FILL DIRT. CONTRACTOR SHALL PROVIDE SWCD IC203 DOCUMENTATION FOR ANY OFFSITE PERMITTED SPOIL SITES THAT ARE TO BE USED. SEE DETAIL SHEET 7.
 - COMPLETE GRADING AND FILLING. ENSURE DRAINAGE PATTERNS ARE NOT ALTERED. PLACE FILL AND SPOILS IN 6" MAX LIFTS AND COMPACT.
 - PERFORM FINAL GRADING AND COORDINATE WITH OWNER ON PERMANENT SEED STABILIZATION MIX. IF NO DIRECTION IS PROVIDED STABILIZE WITH PERMANENT SEED MIXTURE TYPE 'U' IN ACCORDANCE WITH CURRENT INDOT SPECIFICATION SECTION 621.06. APPLY FERTILIZER AND MULCH PER INDOT SPECIFICATION 621.05. SEEDING SHALL BE IN ACCORDANCE WITH INDOT SPEC SECTION 621.12 SEASONAL LIMITATIONS: WARRANTY BOND REQUIRED FOR SEEDING DONE BETWEEN OCTOBER 16 AND JANUARY 31. SEEDING WITHOUT MULCH SHALL NOT BE DONE BETWEEN MAY 1 AND AUGUST 15. AS PART OF FINAL GRADING AND STABILIZATION, CONTRACTOR SHALL REMOVE ANY SEDIMENT ACCUMULATED IN TRAPPING DEVICES. IMMEDIATELY SEED SLOPES WITH MULCH SEEDING TYPE U OR EROSION CONTROL BLANKET WITH SEEDING. TYPE U SEED MIX SHALL BE APPLIED AT 196.5LB/ACRE CONSISTING OF 100LB/ACRE 4-WAY BLEND OF TURF TYPE TALL FESCUE, 50LB/ACRE CREEPING RED FESCUE, 45 LB/ACRE OF PERENNIAL RYE GRASS AND 1.5 LB/ACRE WHITE DUTCH CLOVER. REFER TO INDOT SPEC SECTION 621 FOR ADDITIONAL DETAILS. IF SLOPES EXCEED 3:1, EROSION CONTROL BLANKET IS REQUIRED.
 - AFTER PERMANENT EROSION CONTROL MEASURES (i.e. PERMANENT SEEDING) ARE WELL ESTABLISHED THE TEMPORARY EROSION CONTROL MEASURES (i.e. SILT FENCE, ETC.), SHALL BE REMOVED.

MONITORING AND MAINTENANCE PLAN

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MONITOR AND MAINTAIN ALL EROSION CONTROL PRACTICES AND STRUCTURES. CONTRACTOR TO FOLLOW THE FOLLOWING GUIDELINES AS WELL AS THE GUIDELINES SHOWN ON THE DETAILS.

- SILT FENCE SHALL BE MONITORED ON A WEEKLY BASIS AND AFTER EVERY ½ INCH RAINFALL EVENT. DAMAGED SILT FENCE IS TO BE REPLACED. SILT FENCE WHICH HAS BEEN KNOCKED OVER SHALL BE ERECTED AND MAINTAINED PROPERLY. REMOVE TRAPPED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE.
- IF DIVERSION DITCHES/SWALES FILL WITH SOIL, CONTRACTOR IS RESPONSIBLE FOR RECUTTING DITCHES/SWALES AND/OR REMOVING FILL AS NEEDED TO ENSURE PROPER FLOW DEPTH IS MAINTAINED THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO FOLLOW ANY ADDITIONAL MAINTENANCE AND GUIDELINES ESTABLISHED PER INDOT STANDARDS AND SPECIFICATIONS.
- SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPPING DEVICES SUCH AS SILT FENCE, TEMPORARY CHECK DAMS, AND OTHER EROSION CONTROL MEASURES WHICH TRAP SEDIMENT. SEDIMENT FROM ALL EROSION CONTROL MEASURES SHALL BE REMOVED WHEN IT BECOMES HALF FULL OF SEDIMENT OR AS NEEDED TO ENSURE THAT THE EROSION CONTROL MEASURE FUNCTIONS PROPERLY. EROSION CONTROL MEASURES WHICH TRAP SEDIMENT SHOULD BE AT A MINIMUM MONITORED ON A WEEKLY BASIS AND AFTER EVERY ½ INCH RAINFALL EVENT.
- MONITOR CONSTRUCTION ENTRANCE TO ENSURE THAT STONE IS NOT WASHED OR TRACKED OFF. REPLACE STONE THAT IS WASHED OFF OR TOO DIRTY TO BE FUNCTIONAL.

POST CONSTRUCTION EROSION CONTROL SEQUENCE

- AFTER PERMANENT EROSION CONTROL MEASURES (i.e. PERMANENT SEEDING) ARE WELL ESTABLISHED THE TEMPORARY EROSION CONTROL MEASURES (i.e. TEMPORARY CHECK DAMS AND SILT FENCE) SHALL BE REMOVED.
- AFTER PERMANENT EROSION CONTROL MEASURES (i.e. PERMANENT SEEDING) ARE WELL ESTABLISHED THE TEMPORARY EROSION CONTROL MEASURES (i.e. SILT FENCE, ETC.), SHALL BE REMOVED.

GENERAL NOTE:
 All construction to meet or exceed all state, local, and federal codes & requirements including but not limited to current INDOT, ISBH, IDEM, OSHA, local requirements & codes. The drawings & specs. that make up the work of this project are interrelated & dependent on every other drawing and spec. section. The contractor shall review all other specs., drawing & addendum (if applicable) to coordinate all work that relates to this project. If an item is drawn or specified on any spec. section or drawing, it shall be as if it were part of this work and shall be provided for in the contract.

NOTES:
 1. This sheet is to be: ANS I 22" X 34"

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SCALE: 1" = 50'
 DRAWN BY: ARC
 CHECKED BY: CLK
 DATE: MAY 25, 2023

Revision	Drawn By	Date

FILE NO: 21-12427
 CLIENT NAME: DNR

PROJECT DESCRIPTION:
 DNR GOOSE POND MAINTENANCE BUILDING PLANS

SHEET TITLE:
 GRADING PLAN & EROSION CONTROL

DESIGN PHASE:
 PHASE II FINAL PLANS

SHEET NUMBER:
6

MATERIAL HANDLING AND SPILL PREVENTION PLAN

REGARDLESS OF THE REPORTING REQUIREMENTS, ALL SPILLS OF SUCH FLUIDS AND HAZARDOUS MATERIALS SHALL BE PROPERLY CLEANED UP AND ACTIONS SHALL INCLUDE THE FOLLOWING:

1. CONTAIN THE SPILLED MATERIAL OR BLOCK/RESTRICT ITS FLOW USING ABSORBENTS, DIRT, SAND, OR OTHER AVAILABLE MEANS TO PREVENT THE SUBSTANCE FROM DRAINING FURTHER.
2. CORDON OFF THE AREA OF THE SPILL AS REQUIRED.
3. CORRECTLY IDENTIFY THE MATERIAL FROM A SAFE DISTANCE.
4. DENY ENTRY TO THE CORDONED OFF AREA TO ALL BUT RESPONSE PERSONNEL.
5. CONTACT IDEM AS NOTED ABOVE IF APPLICABLE.
6. RESPOND TO THE SPILL IN ACCORDANCE WITH PROPER PROCEDURES REQUIRED FOR THE SUBSTANCE.

IN ADDITION TO THE LISTED SPILL RESPONSE, REFUELING OPERATIONS AND THE ADDITION OF VEHICULAR FLUIDS SHALL NOT OCCUR WITHIN 50 FEET OF ROADSIDE DITCHES AND INSTALLED STORM SYSTEMS. MEASURES SHALL BE TAKEN TO ENSURE THAT OIL PANS OR OTHER ACCEPTABLE SECONDARY CONTAINMENT CONTAINERS ARE PLACED SO AS TO CATCH ANY SPILLED FLUIDS AND PREVENT THEIR DISPERSAL ONTO THE SURROUNDING SOIL DURING SUCH OPERATIONS.

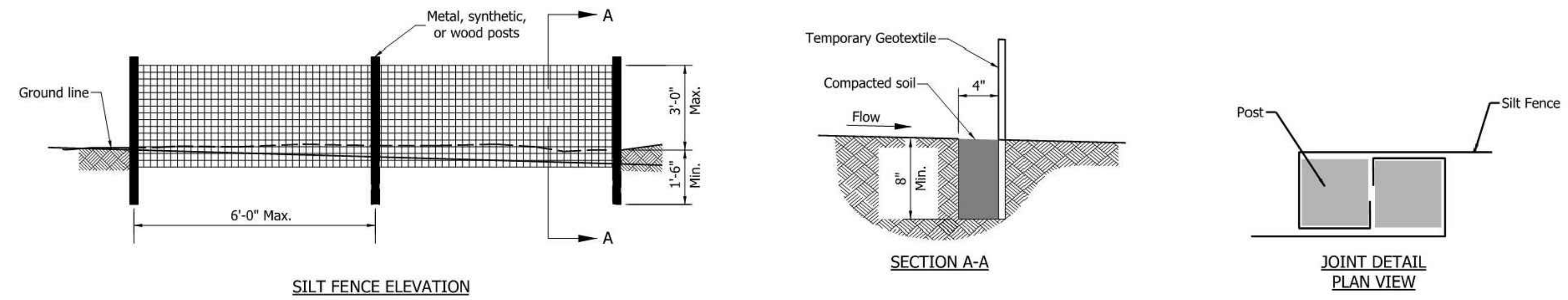
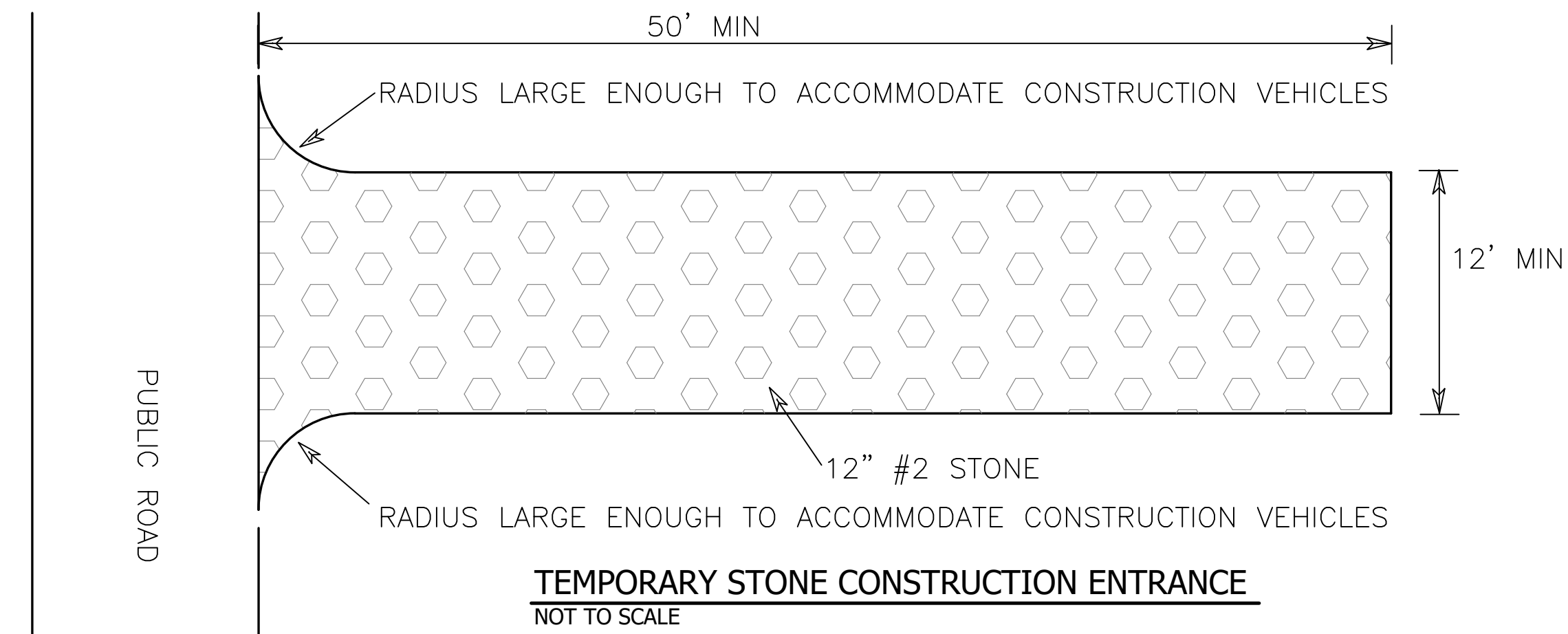
SPILLS OF THESE FLUIDS AND MATERIALS SHALL NOT BE WASHED OFF INTO SIDE DITCHES OR WATERWAYS, BUT MUST BE CONTAINED AT THE SITE OF THE SPILL AND REMOVED BY ABSORBENTS OR OTHER APPROVED METHODS FOR THEIR CLEANUP. SOILS WHICH HAVE ABSORBED THESE FLUIDS DUE TO SPILLS SHALL BE TREATED AS CONTAMINATED IN ACCORDANCE WITH THE FLUID FOR WHICH IT HAS BEEN CONTAMINATED AND SHALL BE PROPERLY REMOVED AND DISPOSED OF FROM THE SITE.

THE STORAGE OF SUCH FLUIDS AND MATERIALS SHALL BE IN MANUFACTURER PROVIDED CONTAINERS OR IN OTHER LEGAL CONTAINERS FOR THE RESPECTIVE SUBSTANCE. THE CONTAINERS SHALL BE PROPERLY MARKED IN ACCORDANCE WITH ANY STATE, LOCAL, OR FEDERAL REGULATORY REQUIREMENTS SO AS TO IDENTIFY THE SUBSTANCE. SUCH SUBSTANCES MAY ONLY BE LEFT ON SITE OVERNIGHT IF STORED IN VEHICLE LOCKERS WHICH ARE INTEGRAL PARTS OF THE VEHICLE OR THAT HAVE BEEN SECURELY FASTENED TO THE VEHICLE SO AS TO PREVENT REMOVAL OF THE LOCKER. SUCH LOCKERS SHALL REMAIN LOCKED WHEN CONSTRUCTION PERSONNEL ARE NOT ON SITE AND SHALL BE MARKED ACCORDING TO REGULATIONS AS TO THEIR CONTENTS.

ANTICIPATED POLLUTANTS WHICH MAY BE PRESENT ON THE SITE INCLUDE SEDIMENT, CONCRETE, GASOLINE, DIESEL FUEL, VEHICULAR OILS AND LUBRICANTS, VARIOUS HYDROCARBONS, HYDRAULIC FLUIDS AND PAINTS. THIS LIST IS NOT INTENDED TO BE ALL ENCOMPASSING. IF THE CONTRACTOR HAS ADDITIONAL TYPES OF POLLUTANTS DUE TO PROJECT REQUIREMENTS THEY SHALL ENSURE THAT THE SPILL OF THESE ADDITIONAL FLUIDS SHALL BE TREATED IN ACCORDANCE WITH ALL MSDS AND LOCAL STATE AND FEDERAL REGULATIONS. ALL LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING THE SPILLS OF THESE FLUIDS AND CLEANUP PROCEDURES SHALL BE COMPLIED WITH BY THE CONTRACTOR. MSDS SHEETS FOR THESE MATERIALS SHALL BE ON SITE AND ACCESSIBLE BY WORK PERSONNEL DEALING WITH THESE MATERIALS. THE CONTRACTOR SHALL ENSURE THAT A USABLE SPILL CONTROL PLAN IS IN EXISTENCE TO ENSURE THAT PROPER RESPONSES ARE AVAILABLE FOR EACH OF THE SUBSTANCES WHICH WILL BE ON SITE DURING CONSTRUCTION.

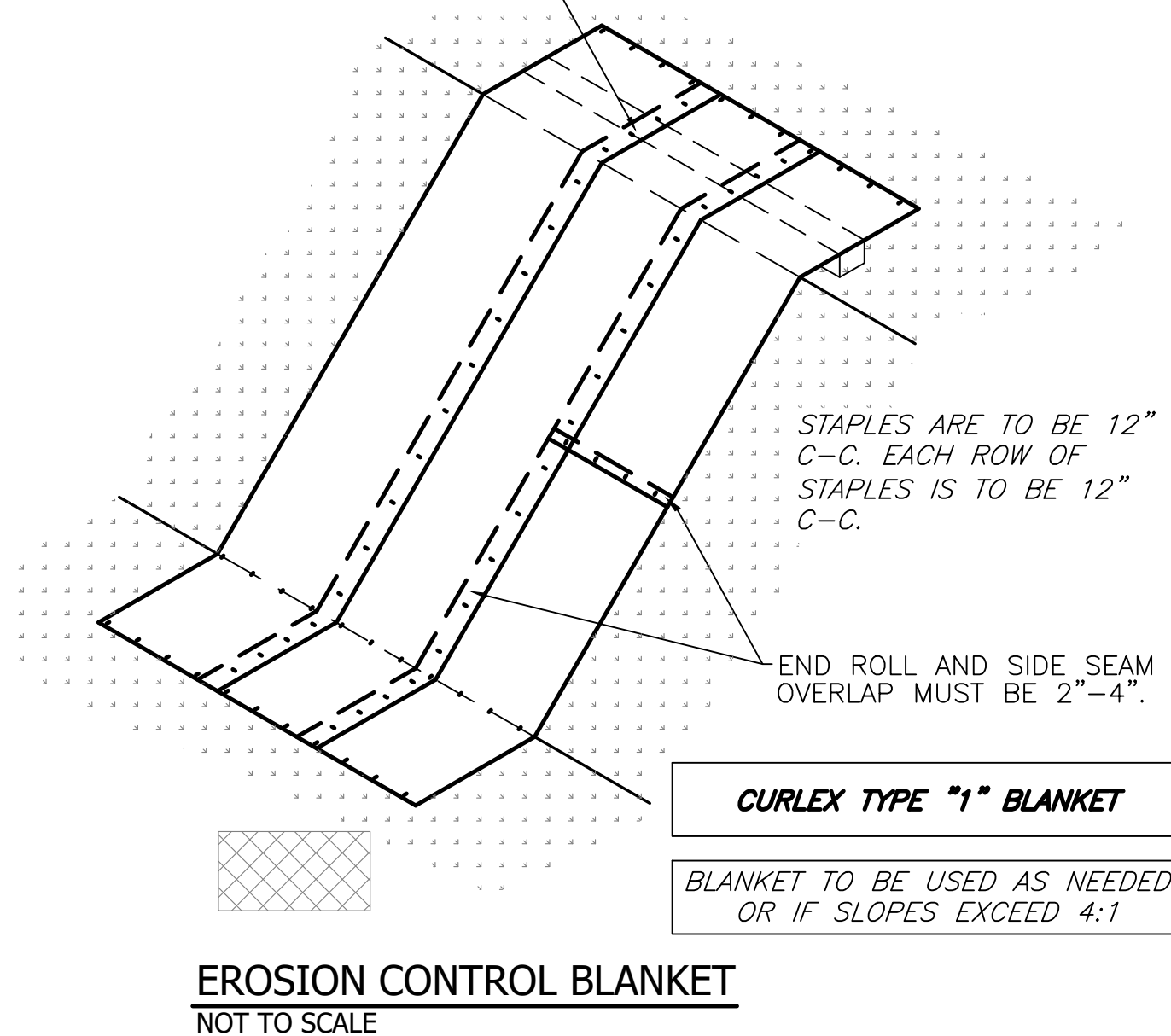
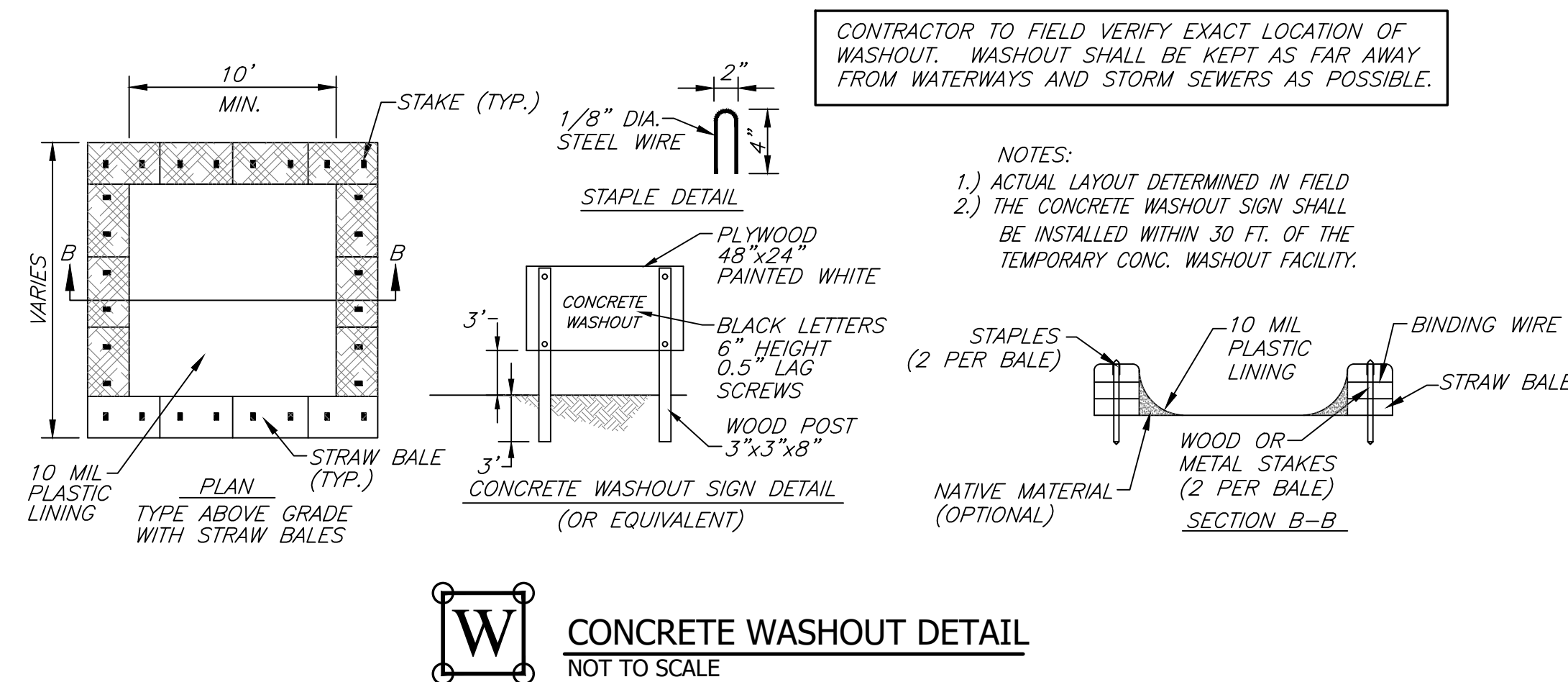
SEVERAL DIFFERENT UNEXPECTED FACTORS COULD CAUSE THE ANTICIPATED POLLUTANTS LISTED ABOVE TO ENTER STORM WATER RUNOFF VIA ROADSIDE DITCHES AND/OR STORM INFRASTRUCTURE. ACCIDENTS SUCH AS FUEL SPILLS, OIL LEAKS, PAINT SPILLS, ETC. ARE UNEXPECTED BUT MAY BE UNPREVENTABLE AND THEREFORE IT IS VERY IMPORTANT TO HAVE A PROPER SPILL PREVENTION PLAN IN PLACE.

THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE REPORTABLE QUANTITIES REQUIRED FOR THE FLUIDS WHICH HE WILL HAVE ON SITE AND AS DESIGNATED IN FEDERAL REGULATIONS, 40 CFR PART 110, PART 117, AND PART 302. ANY SPILLS IN THESE QUANTITIES SHALL BE HANDLED AS REQUIRED BY LOCAL STATE AND FEDERAL REGULATIONS. ADDITIONAL REFERENCE TO CORRECT SPILL RESPONSE MAY BE FOUND IN 327 IAC 2-6 FOR APPLICABLE QUANTITIES OF SPILLS WHICH MUST BE REPORTED. RELEASES OF HAZARDOUS SUBSTANCES IN THE REPORTABLE QUANTITIES SHALL BE REPORTED TO THE IDEM EMERGENCY RESPONSE SECTION AT (888)-233-7745 BY PROVIDING THE INFORMATION AS NOTED IN 327 IAC 2-6.1-4(17).



****EROSION CONTROL BLANKET SHALL BE COORDINATED WITH DNR F&W FOR COMPLIANCE**

EXTEND BLANKET A MINIMUM OF 3'-0" OVER CREST OF SLOPE, AND STAPLE 12" C-C. IF 3'-0" IS NOT AVAILABLE, CONTRACTOR HAS OPTION TRENCHING IN THE BLANKET OR STAPLING IT 6" C-C.



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NOTES:
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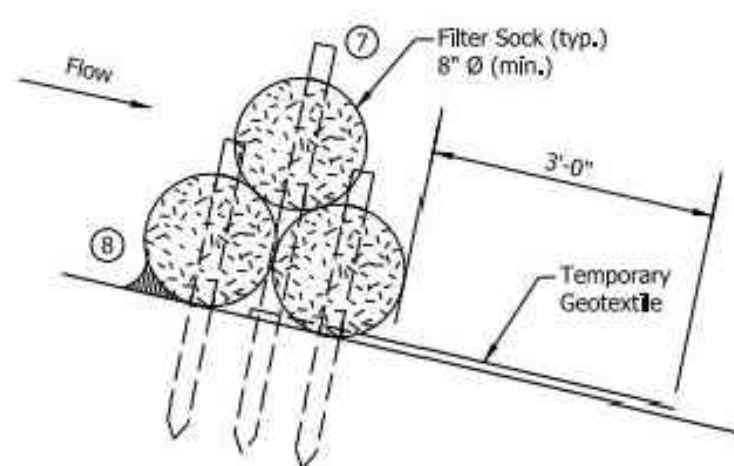


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DRAWN BY: ARC
CHECKED BY: CLK
DATE: MAY 25, 2023

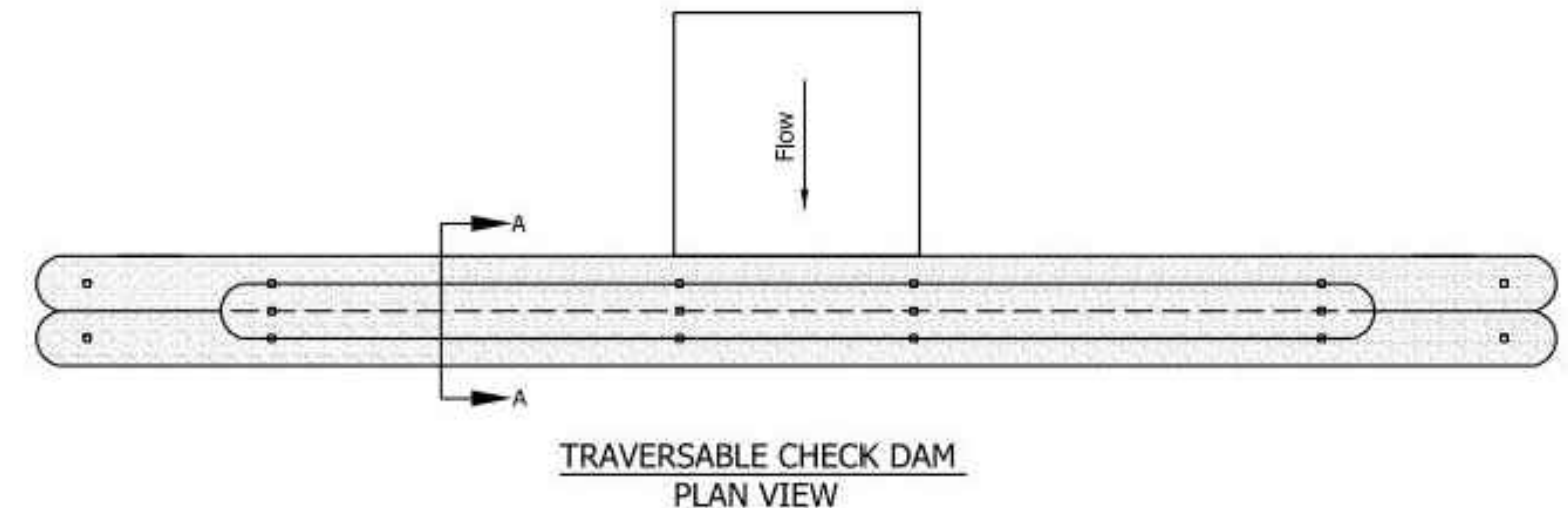
Revision	Drawn By	Date

FILE NO: 21-12427
CLIENT NAME: DNR
PROJECT DESCRIPTION: DNR GOOSE POND MAINTENANCE BUILDING PLANS
SHEET TITLE: DETAILS (1 OF 3)

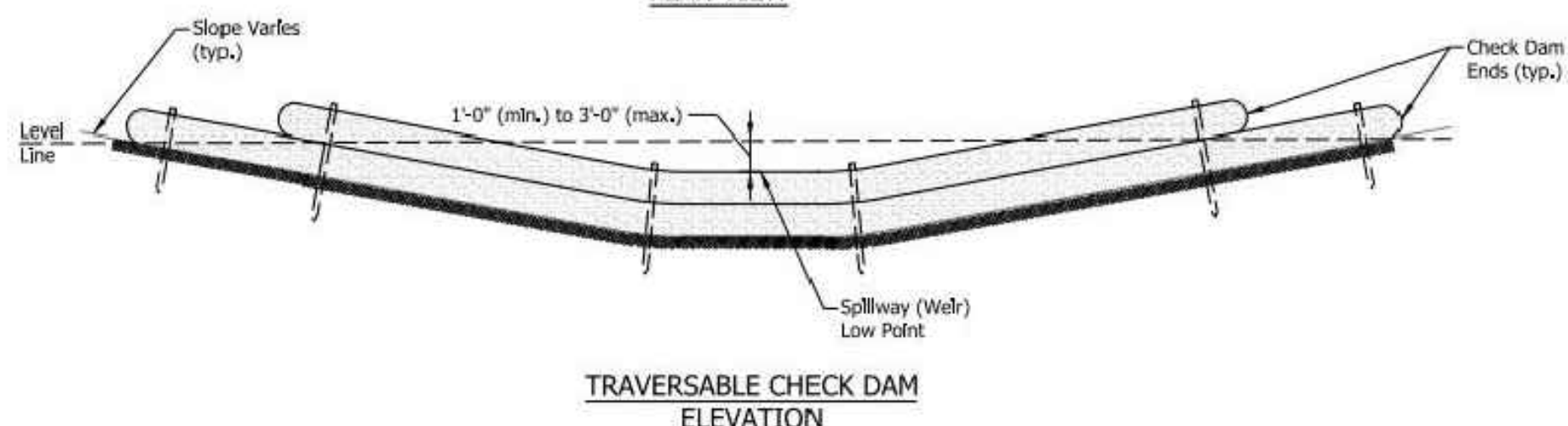
DESIGN PHASE: PHASE II FINAL PLANS
SHEET NUMBER: 7



SECTION A-A



TRAVERSABLE CHECK DAM PLAN VIEW



TRAVERSABLE CHECK DAM ELEVATION

NOTES:

1. Fiber roll may be substituted for filter sock.
2. Check dams shall be placed perpendicular to the flow of water.
3. Check dam ends shall be positioned as shown such that storm water flows over the weir low point and does not flow around the ends.
4. Check dams shall remain in place until all upstream areas become stable.
5. Check dams shall be spaced such that the top of the downstream check dam is at the same elevation as the toe of the adjacent upstream check dam.
6. Filter sock shall be secured as shown or in accordance with the manufacturer's instructions.
7. Stake length shall be sufficient to wedge filter sock to the ground to prevent movement and undercutting.
8. When undercutting is identified, compacted #5 or #8 stone shall be placed as shown.

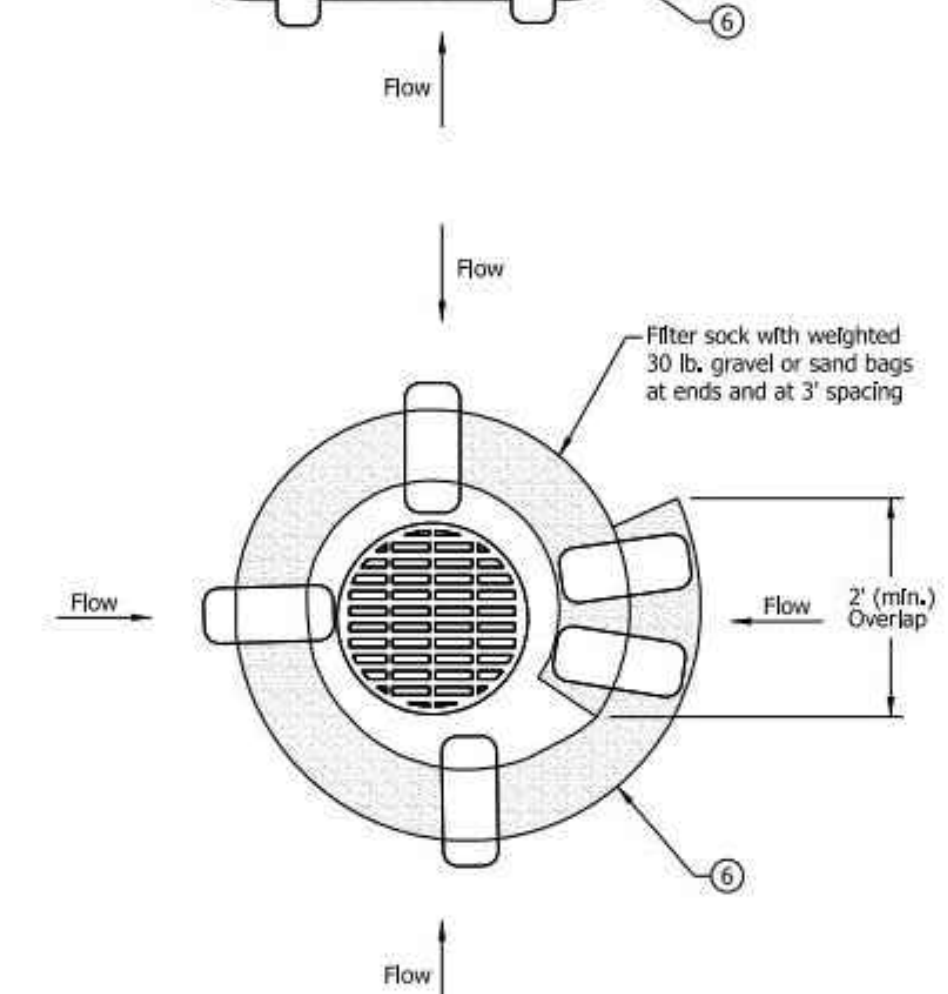
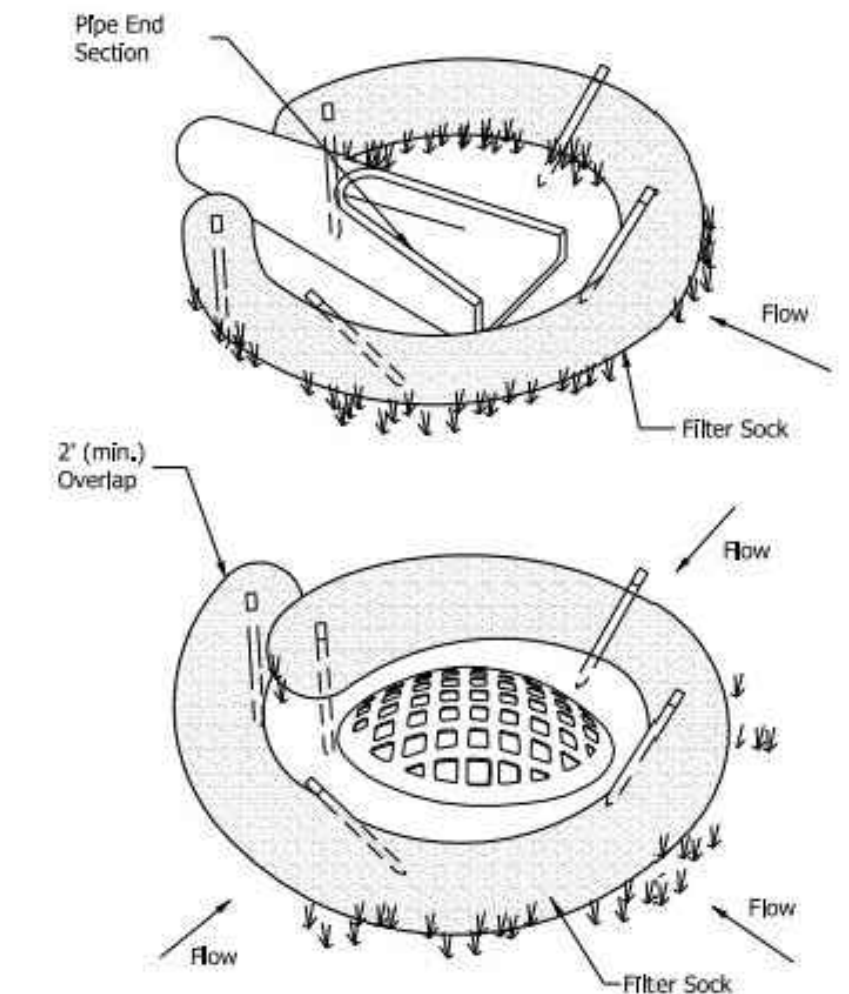
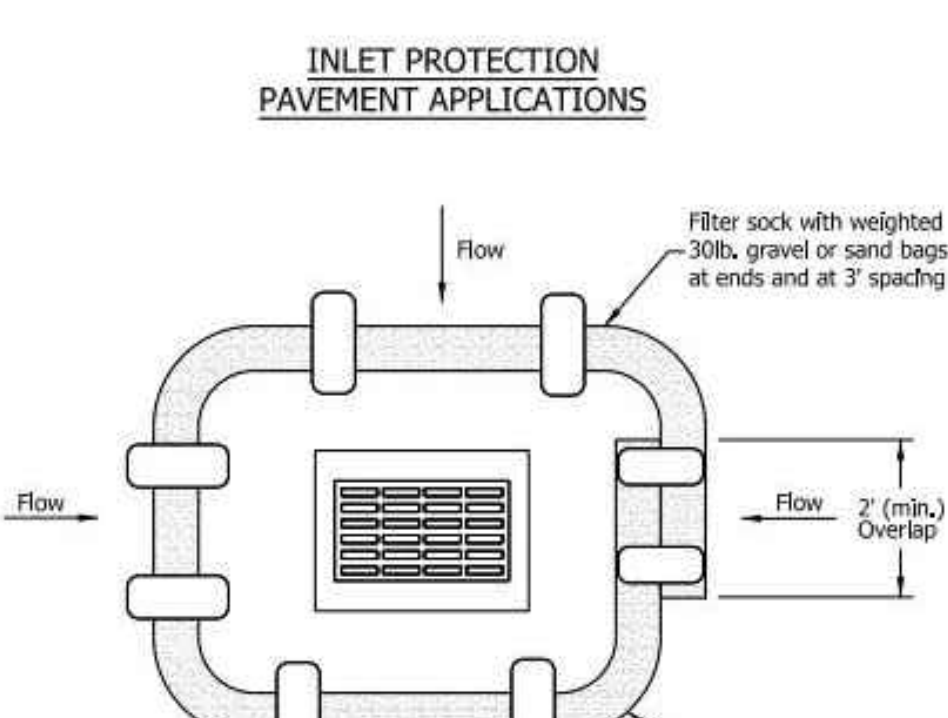
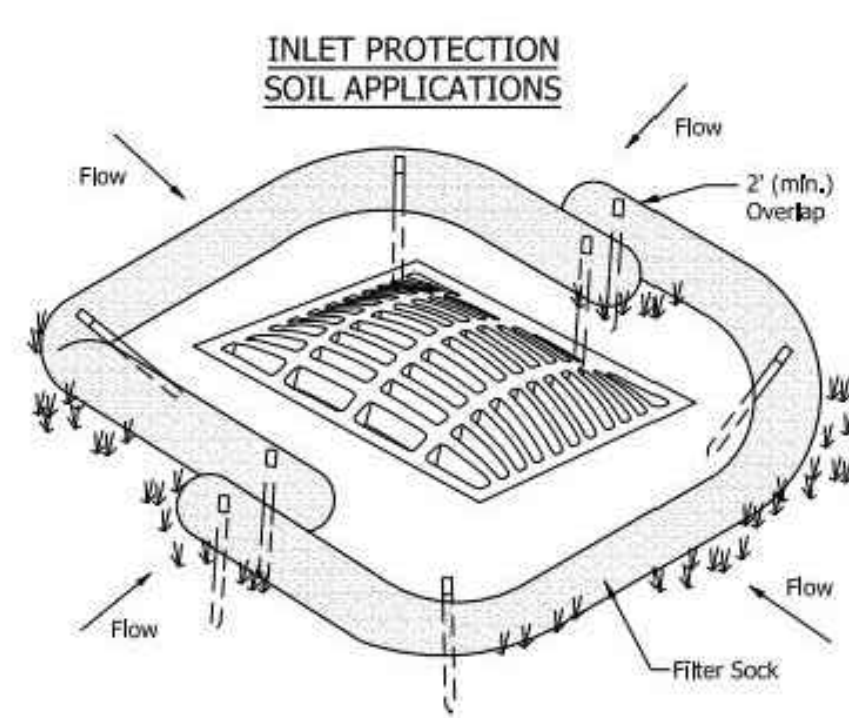
INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CHECK DAM, TRAVERSABLE

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-08

TEMPORARY CHECK DAM (PER INDOT STD. DWG E205-TECD-08)
NOT TO SCALE



NOTES:

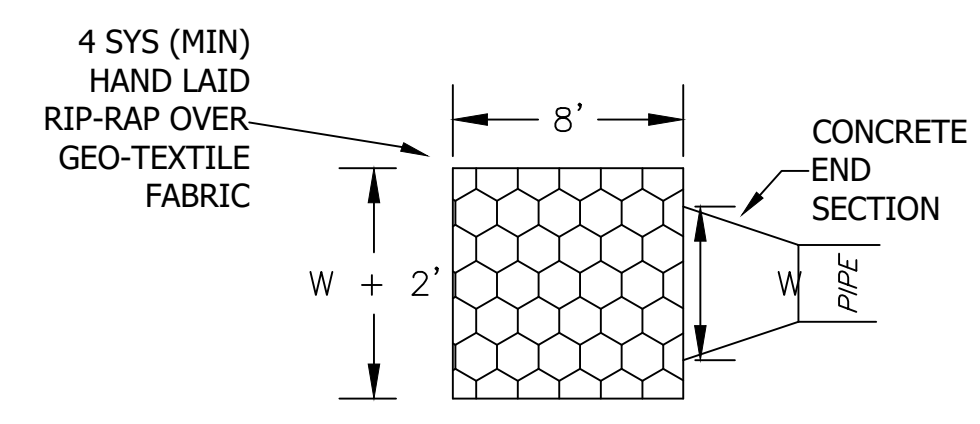
1. Fiber roll may be substituted for filter sock.
2. Filter sock shall be secured to prevent movement and undercutting as shown or in accordance with the manufacturer's instructions. See Standard Drawing E 205-TECD-10 for securing methods.
3. Inlet protection shall be inspected, at a minimum once every seven days and after each storm event. Sediment shall be removed when 1/3 of the filter sock depth has been filled or as directed.
4. Sediment and gravel deposited on roadways shall be removed once identified after each storm event.
5. Inlet protection shall be removed after the surrounding area becomes stable.
6. Inlet protection shall be used within a lane or shoulder only when closed to traffic. Inlet protection shall not cause water to encroach upon a lane open to traffic.

INDIANA DEPARTMENT OF TRANSPORTATION

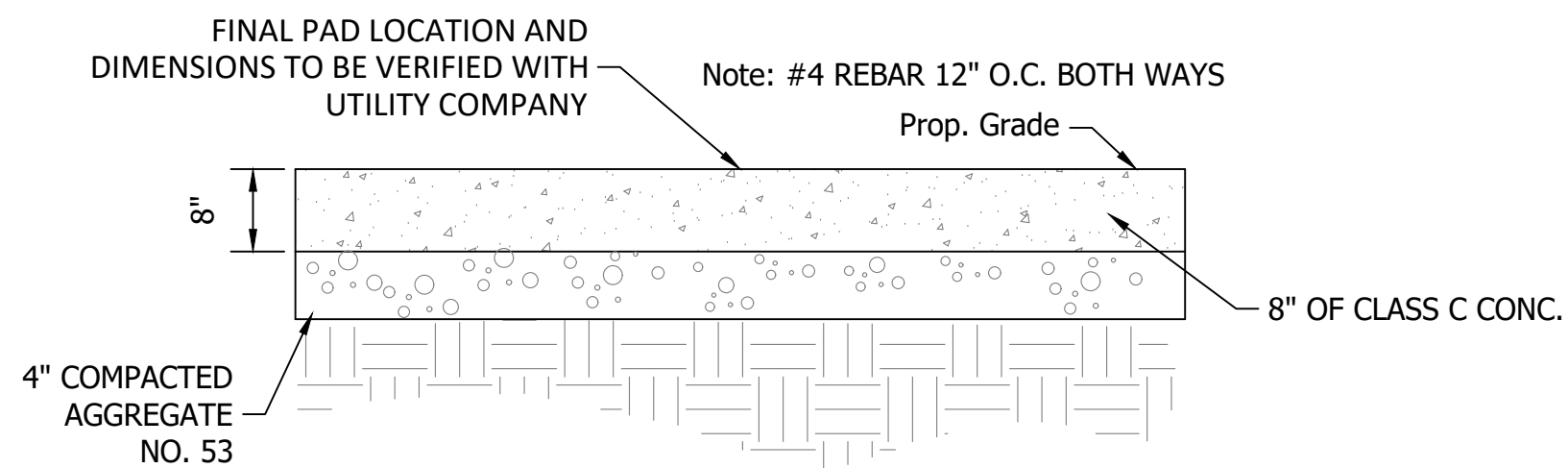
TEMPORARY INLET PROTECTION, FILTER SOCK

SEPTEMBER 2019

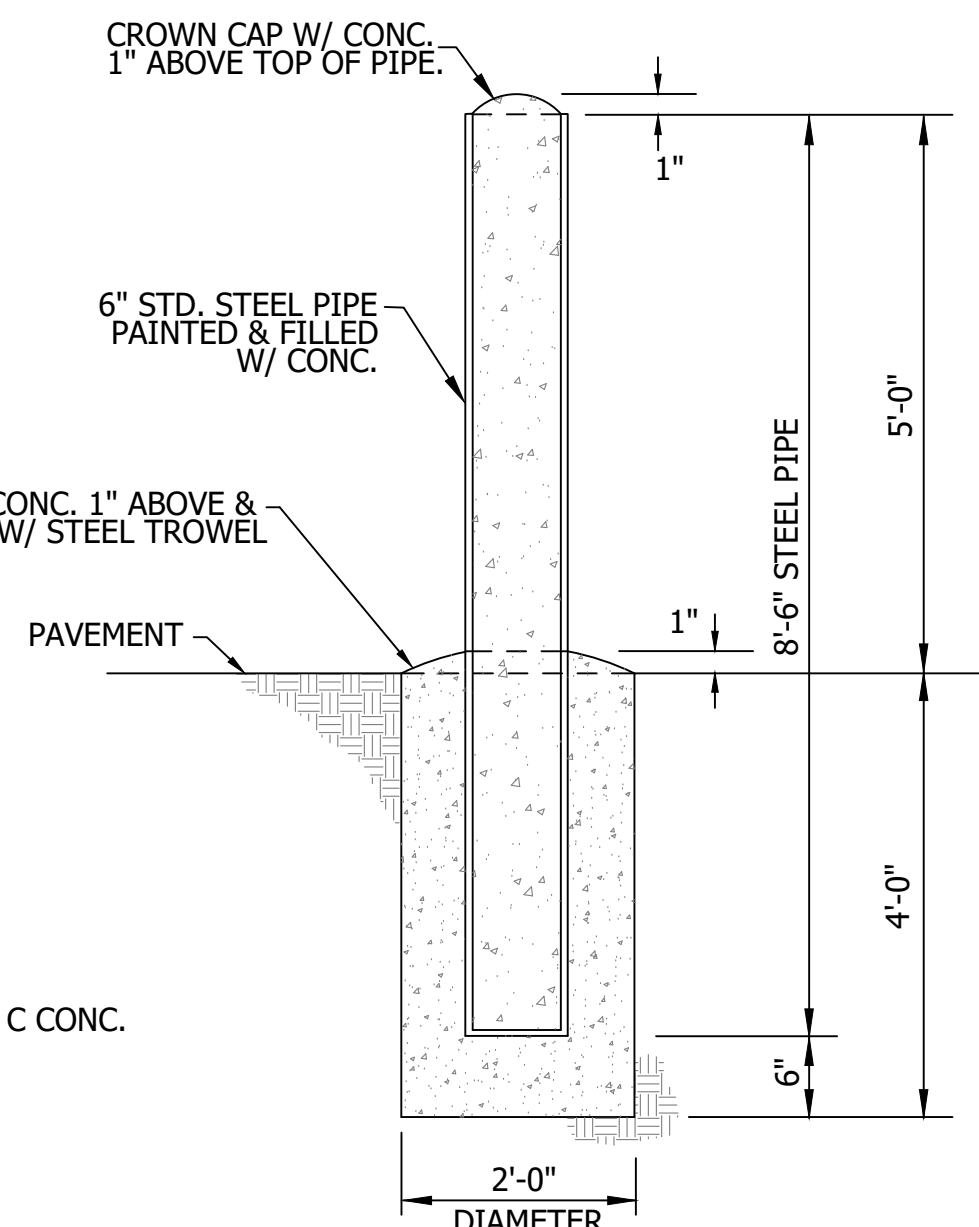
TEMPORARY INLET PROTECTION (E205-TECD-02)
NOT TO SCALE



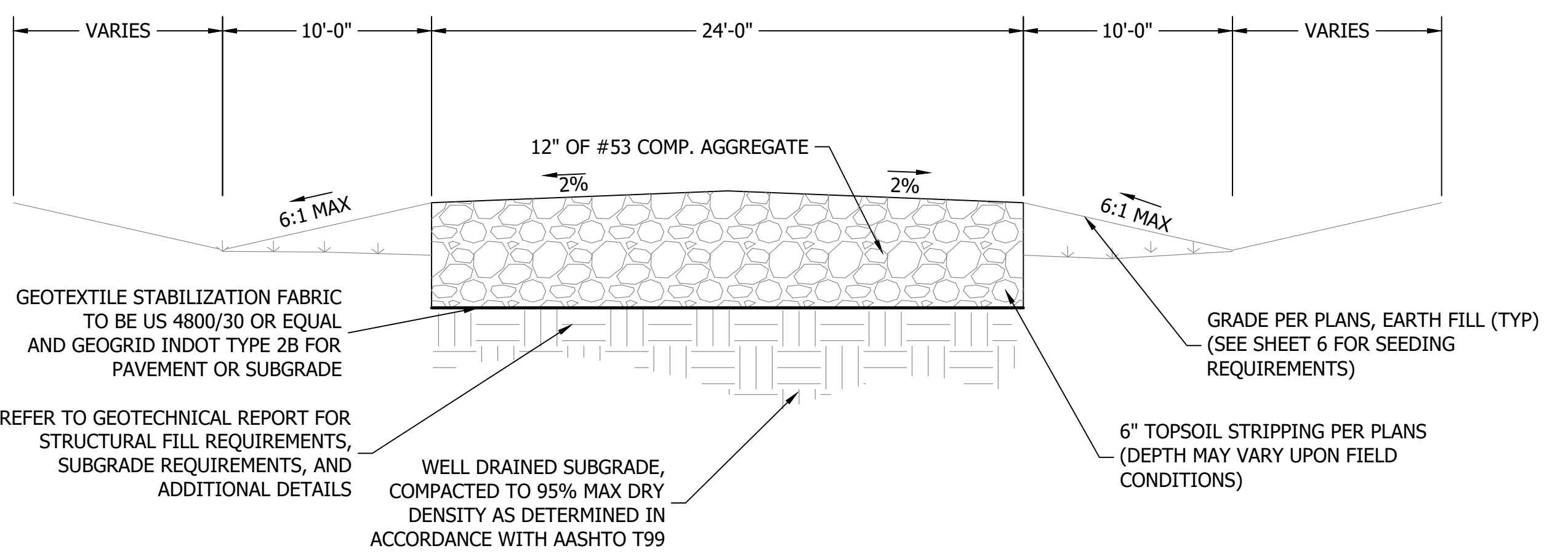
TYPICAL PIPE OUTFALL
NOT TO SCALE



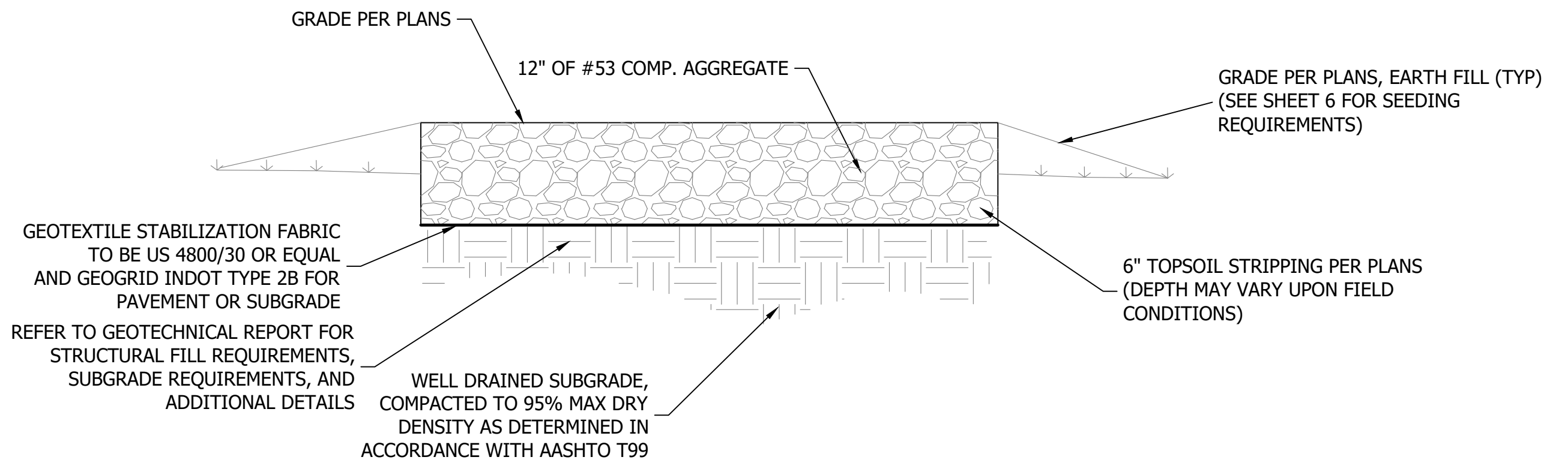
LP TANK PAD SECTION DETAIL
NOT TO SCALE
NOTE: PROVIDED IN PHASE II



BOLLARD DETAIL
NOT TO SCALE
NOTE: PROVIDED IN PHASE II



AGGREGATE DRIVE TYPICAL SECTION
NOT TO SCALE



AGGREGATE PARKING TYPICAL SECTION
NOT TO SCALE

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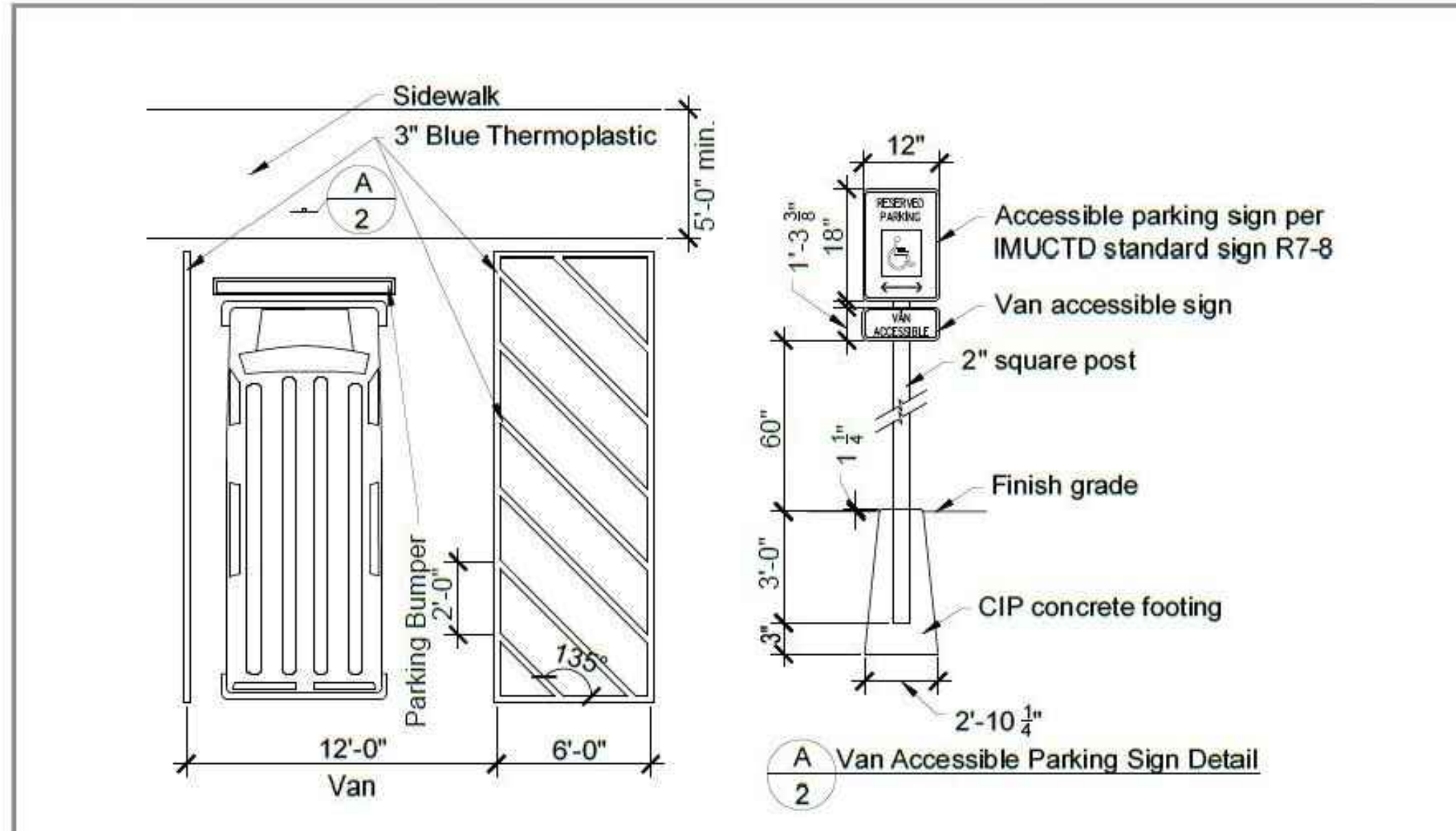
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5-25-2023

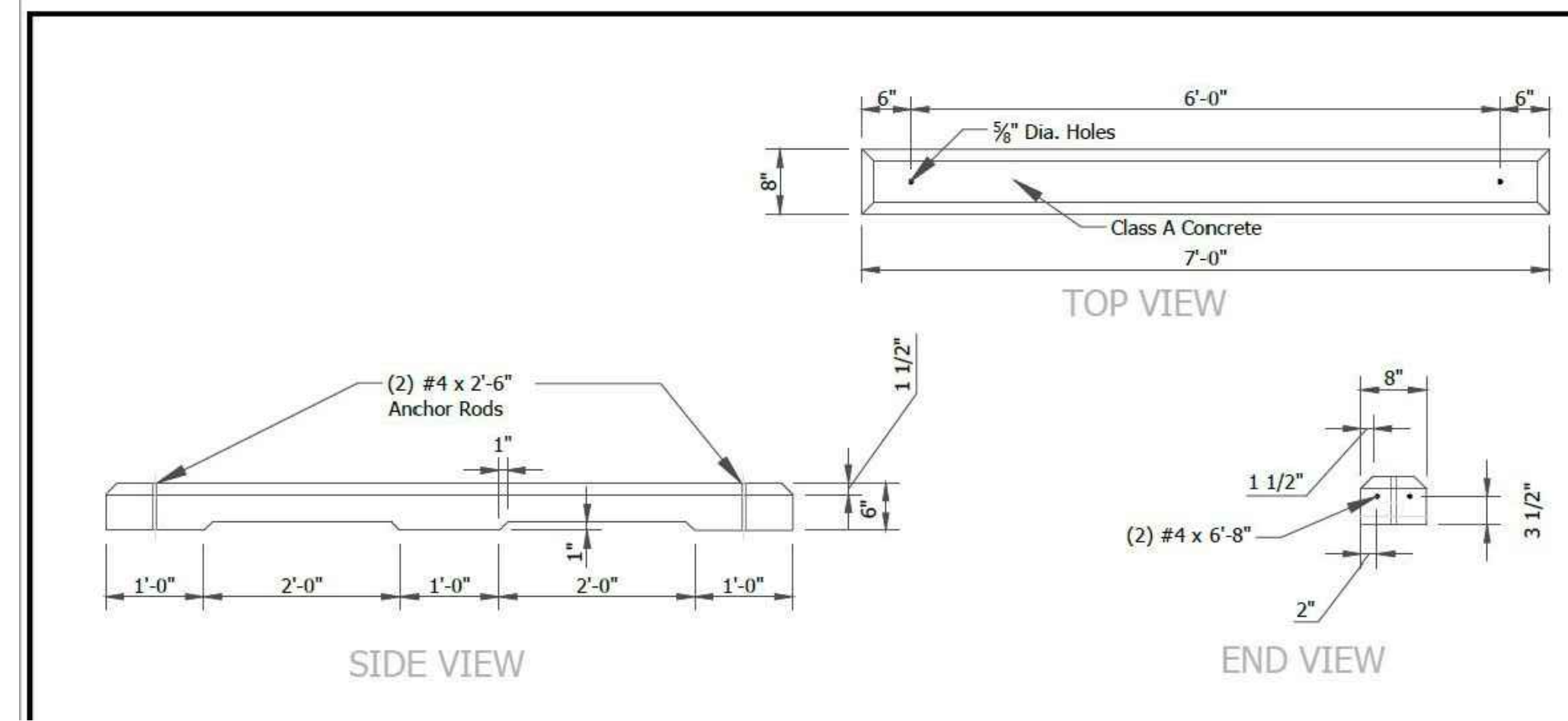
REGISTERED PROFESSIONAL ENGINEER
No. 10808974
STATE OF INDIANA
Colby King

SCALE: AS SHOWN		
DRAWN BY: ARC		
CHECKED BY: CLK		
DATE: MAY 25, 2023		
Revision	Drawn By	Date
FILE NO: 21-12427		
CLIENT NAME: DNR		
PROJECT DESCRIPTION: DNR GOOSE POND MAINTENANCE BUILDING PLANS		
SHEET TITLE: DETAILS (2 OF 3)		
DESIGN PHASE: PHASE II FINAL PLANS		
SHEET NUMBER: 8		



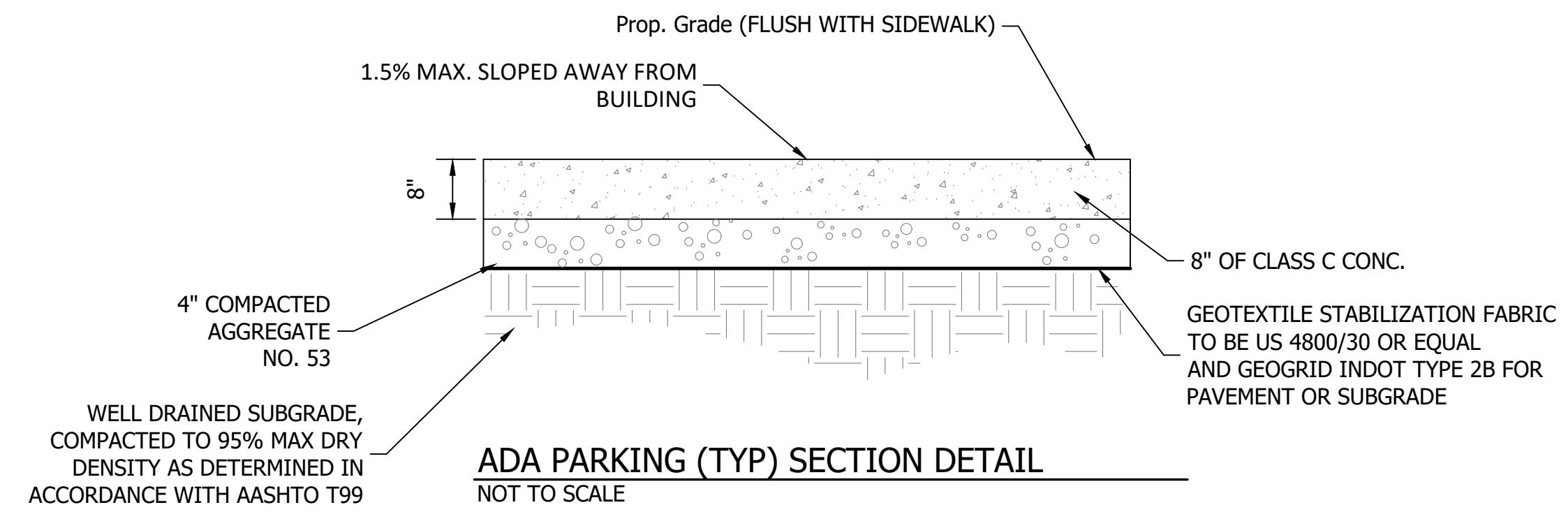
ADA VAN ACCESSIBLE PARKING AND SIGN (TYP) DETAIL

NOT TO SCALE
NOTE: DETAIL PROVIDED BY DNR DIVISION OF ENGINEERING



CONCRETE PARKING WHEELSTOP DETAIL

NOT TO SCALE
NOTE: DETAIL PROVIDED BY DNR DIVISION OF ENGINEERING



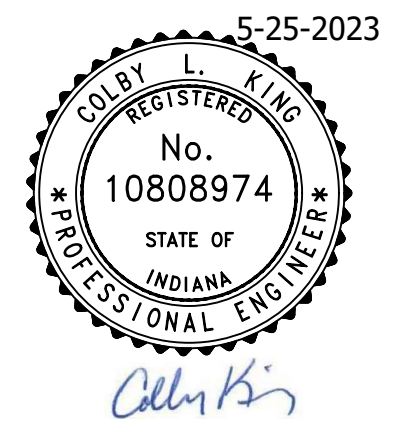
ADA PARKING (TYP) SECTION DETAIL

NOT TO SCALE

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CHECKED BY: CLK
DATE: MAY 25, 2023

Revision	Drawn By	Date

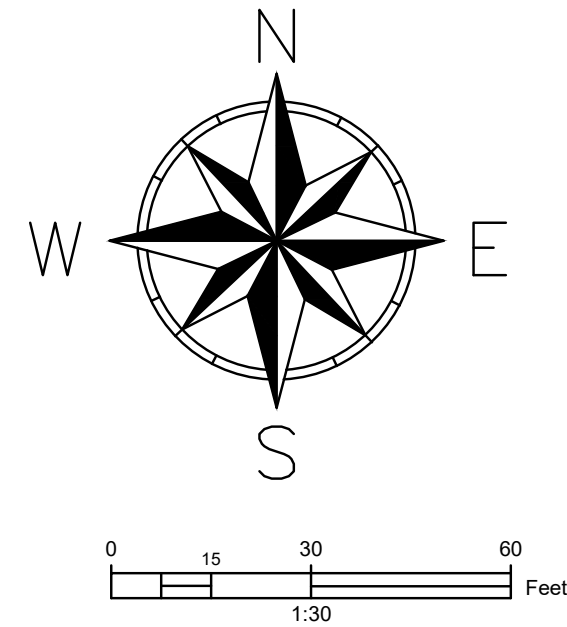
FILE NO: 21-12427
CLIENT NAME: DNR

PROJECT DESCRIPTION: DNR GOOSE POND MAINTENANCE BUILDING PLANS

SHEET TITLE: DETAILS (3 OF 3)

DESIGN PHASE: PHASE II FINAL PLANS

SHEET NUMBER:
9



PIPING SUMMARY

COMPONENT	PIPE	LENGTH	DIA.	PIPE SPEC	IE BEG	IE END	CALC SLOPE
BLDG SEWER	P1	33'	6"	ASTM D3034 SDR-35	486.60	486.27	1.00
EFFLUENT SEWER	P2	12'	6"	SCHEDULE 40	486.00	485.88	1.00
EFFLUENT FORCE MAIN	P3	180'	2"	ASTM D2241-09 SDR-21			
EFFLUENT SEWER HEADERS*	PIPE	LENGTH	DIA.	ASTM D2665	490.75	490.58	
	P3A	5'	4"				
PRESBY PIPE	P4	70'	12"	ADVANCED ENVIRO-SEPTIC PIPE (SEE DETAILS)	490.00	490.00	
	P5	70'	12"				
DRAINAGE	(See Table Below)			ASTM F405			(See Table Below)

* BACKFILL HEADER PIPING WITH DEBRIS FREE SOIL (NO AGGREGATE)

DRAINAGE DEPTH SUMMARY

GROUND	INVERT	DEPTH
A 489.70	485.91	3.79'
B 490.10	486.00	4.10'
C 490.20	485.86	4.34'
D 490.10	485.72	4.38'
E 489.70	485.62	4.08'
F 489.60	485.48	4.12'
G 484.60	484.60	-

DRAINAGE SLOPE SUMMARY

LENGTH	SLOPE
AB 30'	0.30%
BC 48'	0.30%
CD 48'	0.30%
DE 30'	0.30%
EF 48'	0.30%
AF 48'	0.89%
FG 116'	0.76%

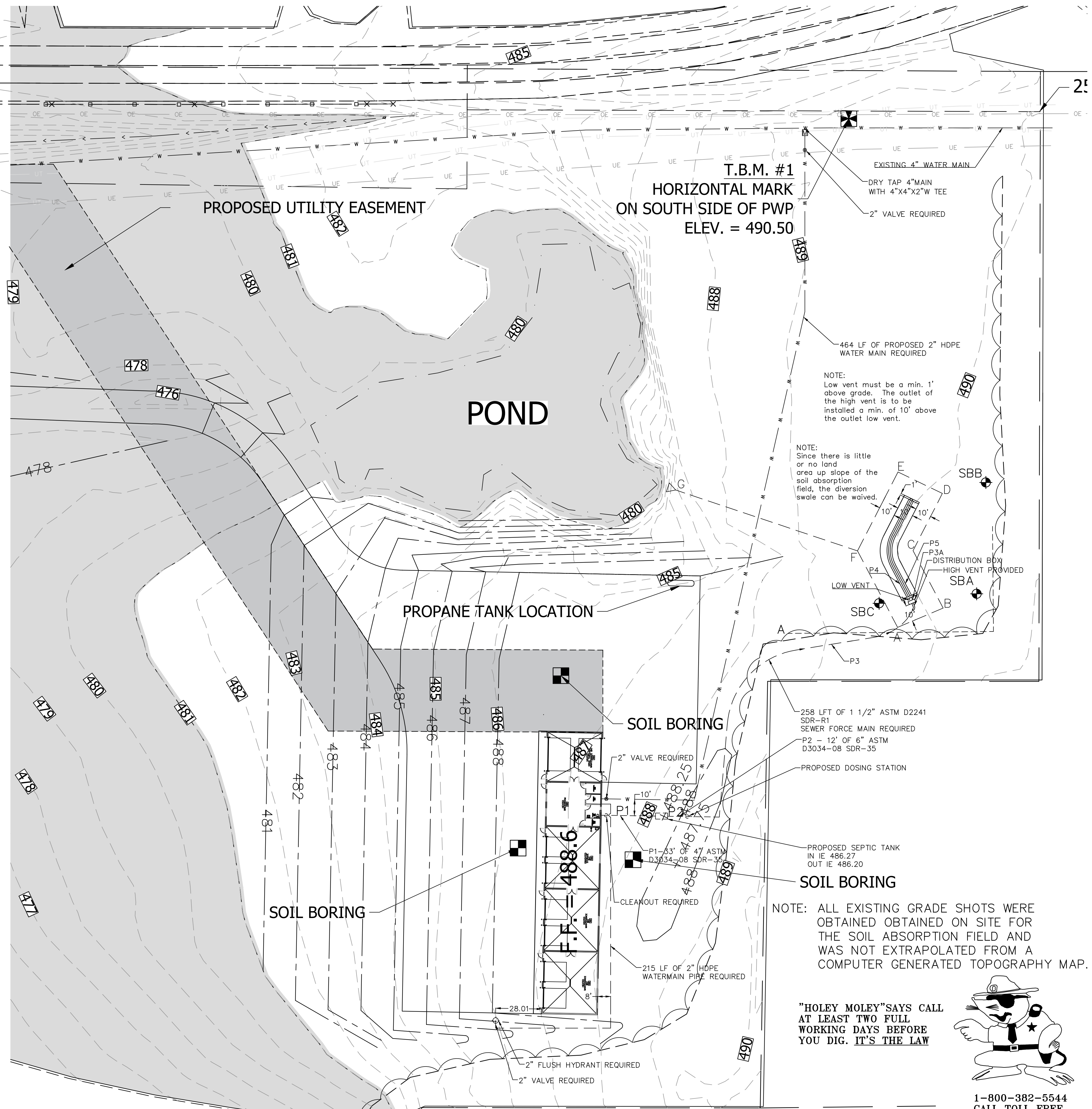
DESIGN SUMMARY

Distribution System Type	Serial
System Location	Subsurface
Soil Loading Rate	.030
No. of Rows	2 EA
ROW LENGTH	70'
Row Center to Center	1.5 feet
System Sand (Bed Width)	10 feet
System Sand Below Pipe	6 in

Note: Subsurface soil absorption system shall not be constructed during periods if wet weather when the soil is sufficiently wet at the depth of installation to exceed its plastic limits. Contractor shall verify plastic limits and soil moisture prior to excavation.

PIPE SUMMARY

#	LENGTH	DIA	PIPE	ELEVATIONS			TRENCH DEPTH		
				BEG	MID	END	SAND BOTTOM	MIN	MAX
P4	70'	12"	AES	490.00	490.00	490.00	489.50	6"	6"
P5	70'	12"	AES	490.00	490.00	490.00	489.50	6"	6"



**T.B.M. #1
HORIZONTAL MARK
ON SOUTH SIDE OF PWP
ELEV. = 490.50**

NOTE:
Low vent must be a min. 1' above grade. The outlet of the high vent is to be installed a min. of 10' above the outlet low vent.

NOTE:
Since there is little or no land area up slope of the soil absorption field, the diversion swale can be waived.

258 LFT OF 1 1/2" ASTM D2241 SDR-R1 SEWER FORCE MAIN REQUIRED
P2 - 12' OF 6" ASTM D3034-08 SDR-35

PROPOSED SEPTIC TANK
IN IE 486.27
OUT IE 486.20

NOTE: ALL EXISTING GRADE SHOTS WERE OBTAINED ON SITE FOR THE SOIL ABSORPTION FIELD AND WAS NOT EXTRAPOLATED FROM A COMPUTER GENERATED TOPOGRAPHY MAP.

"HOLEY MOLEY" SAYS CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU DIG. IT'S THE LAW



1-800-382-5544
CALL TOLL FREE



Certified by:

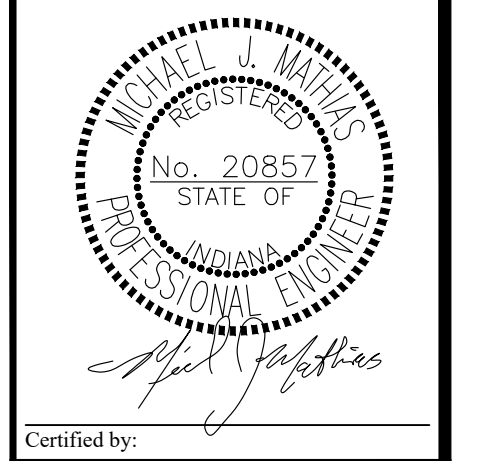
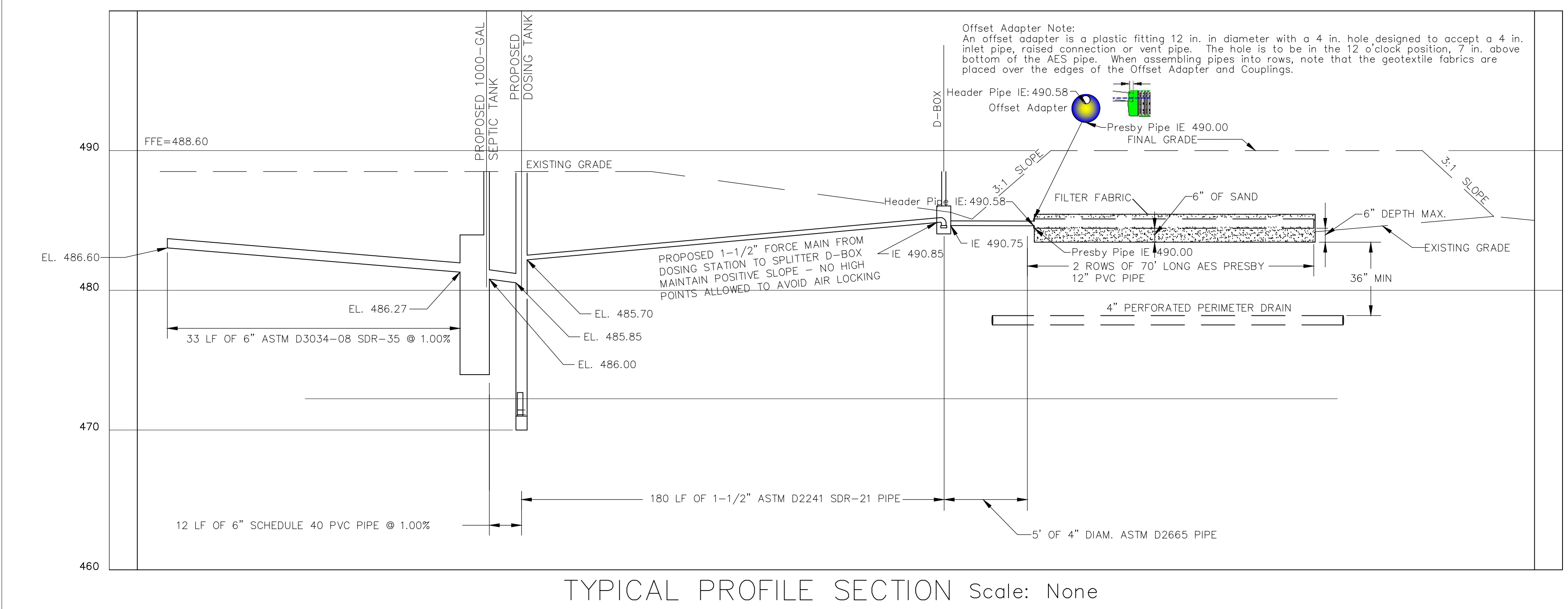
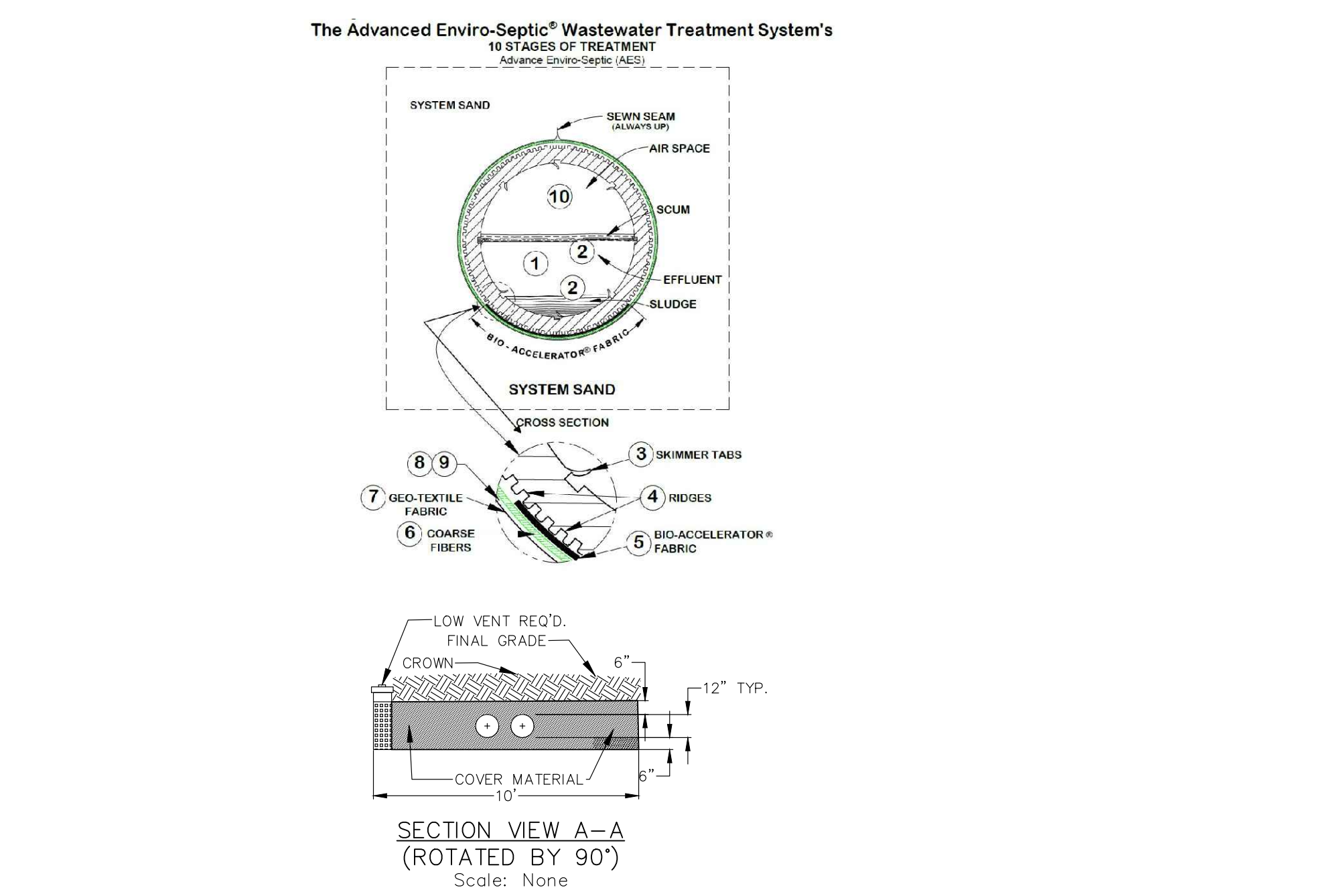
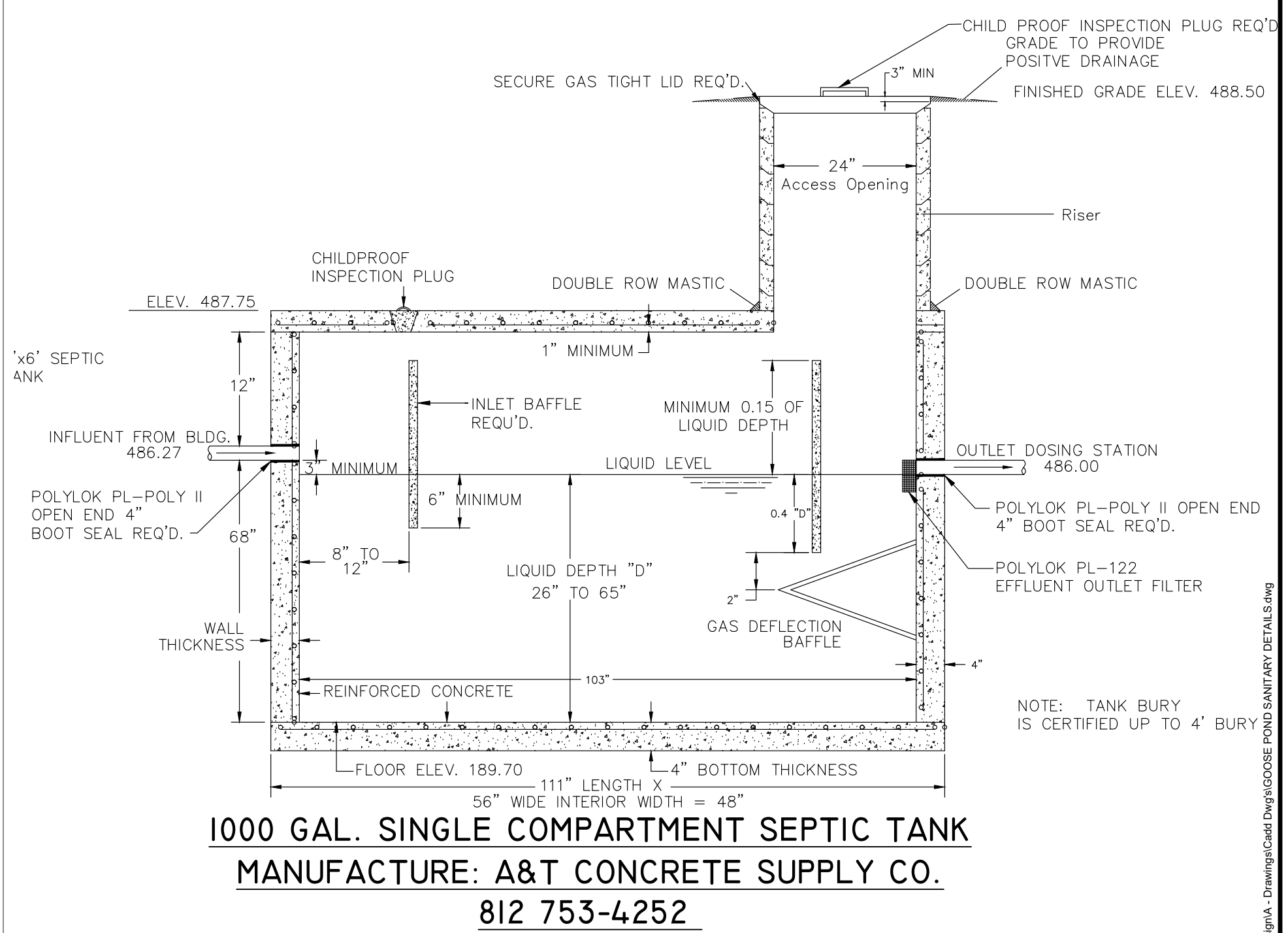
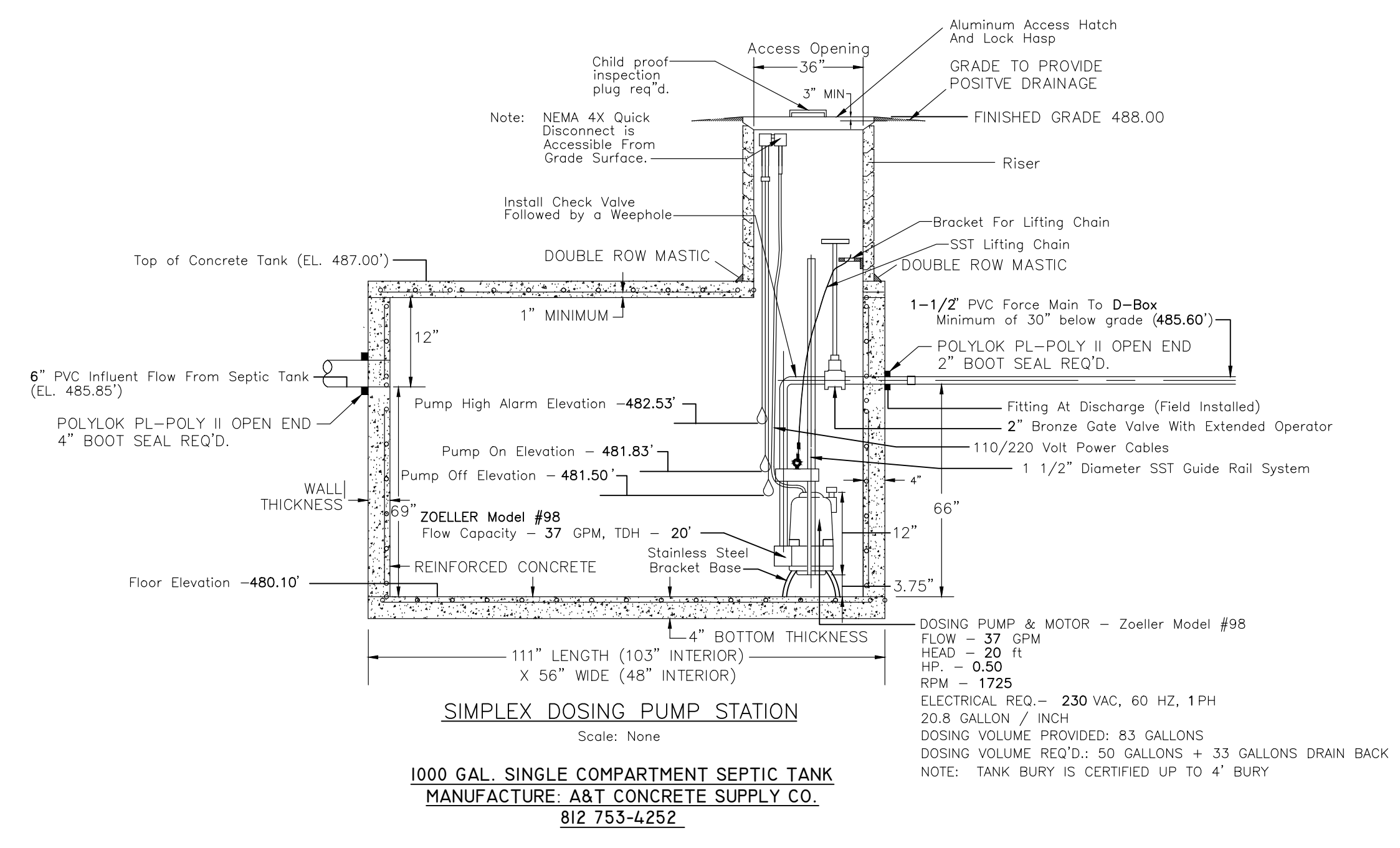
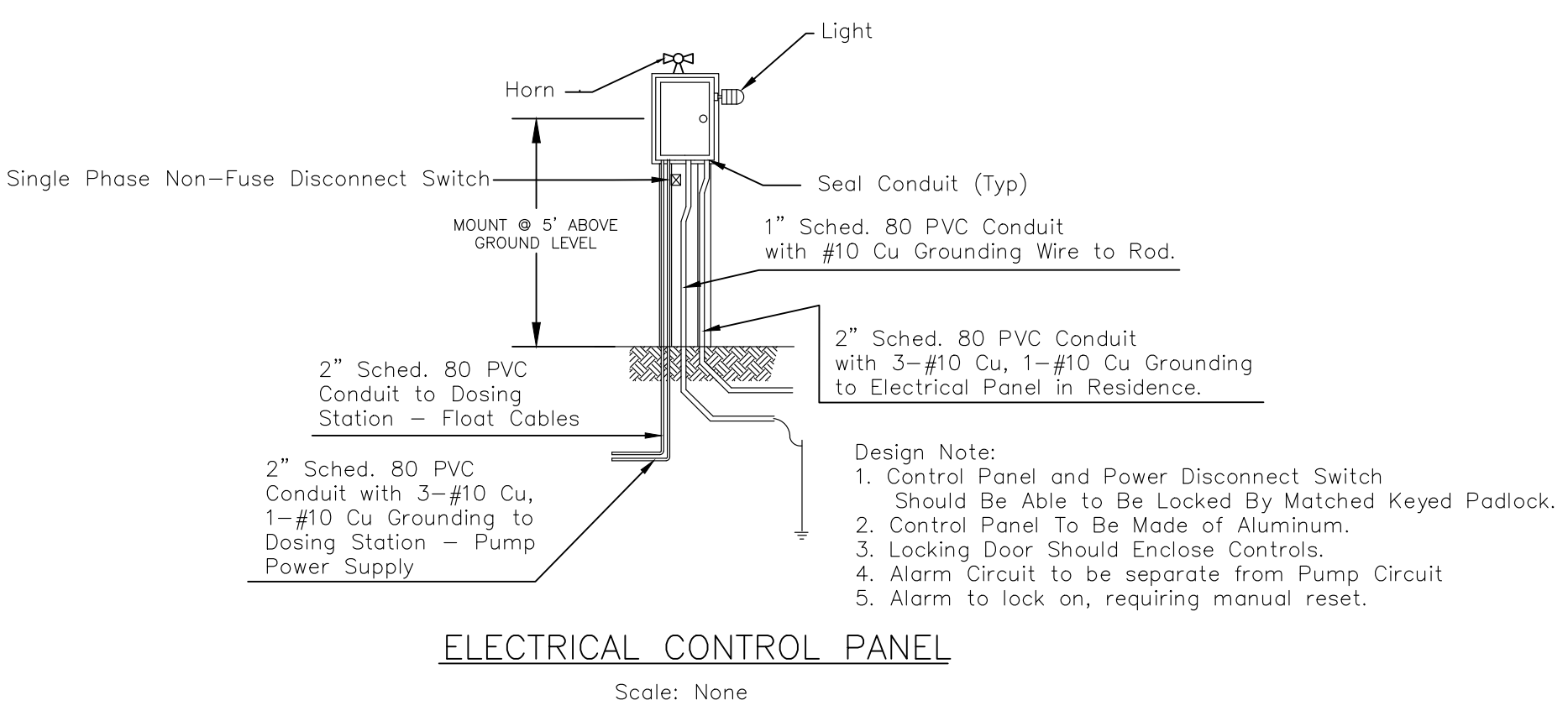
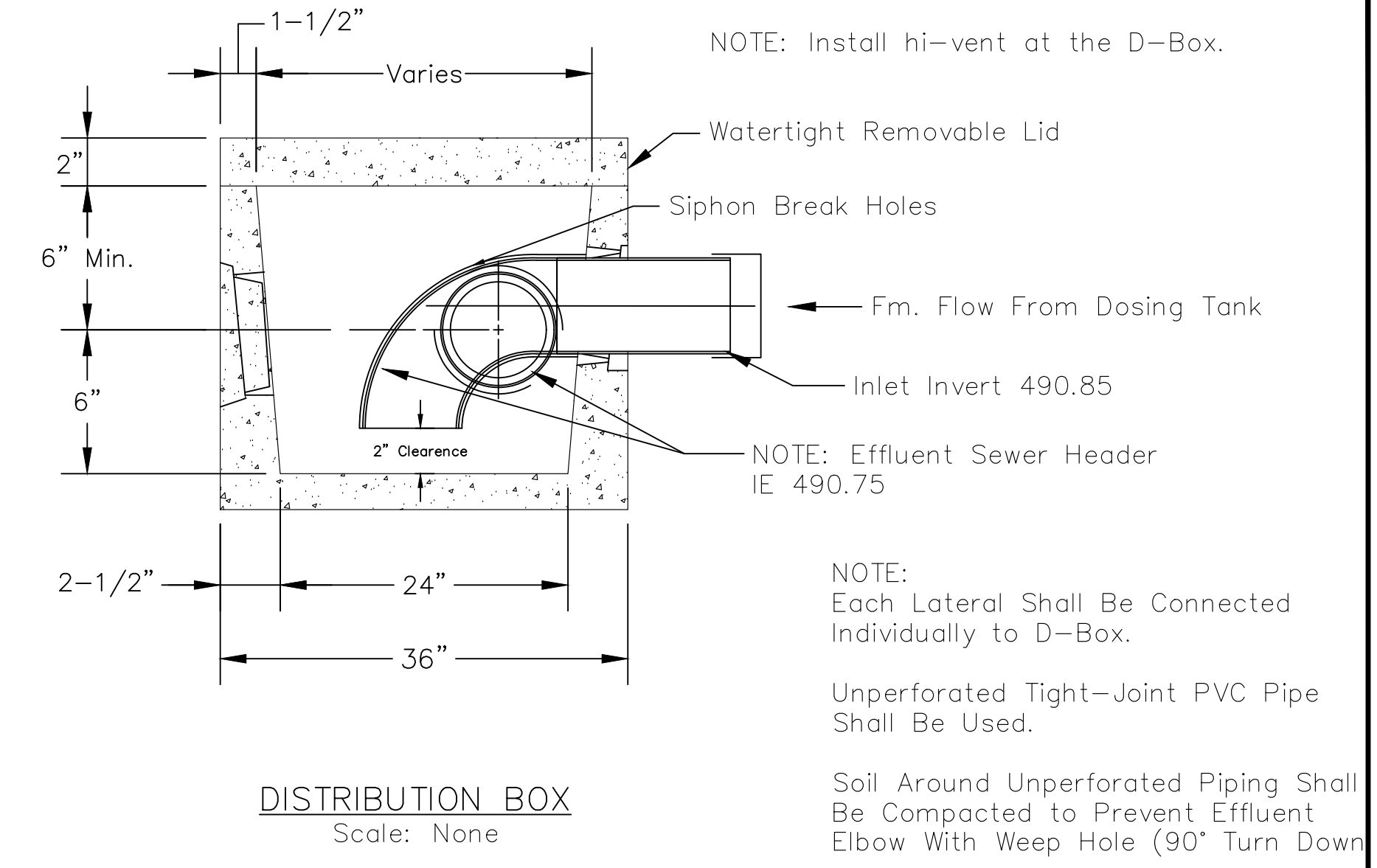
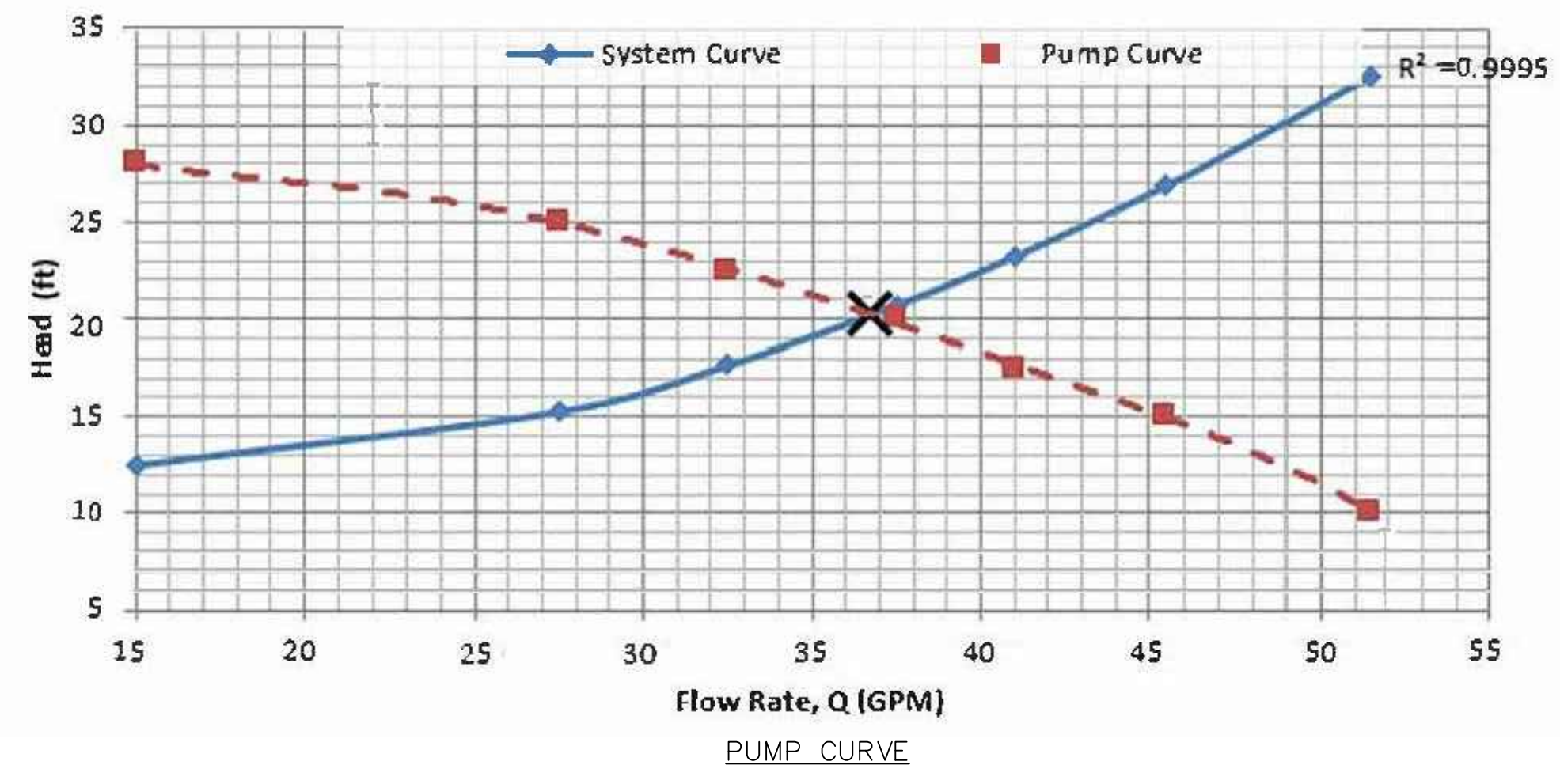
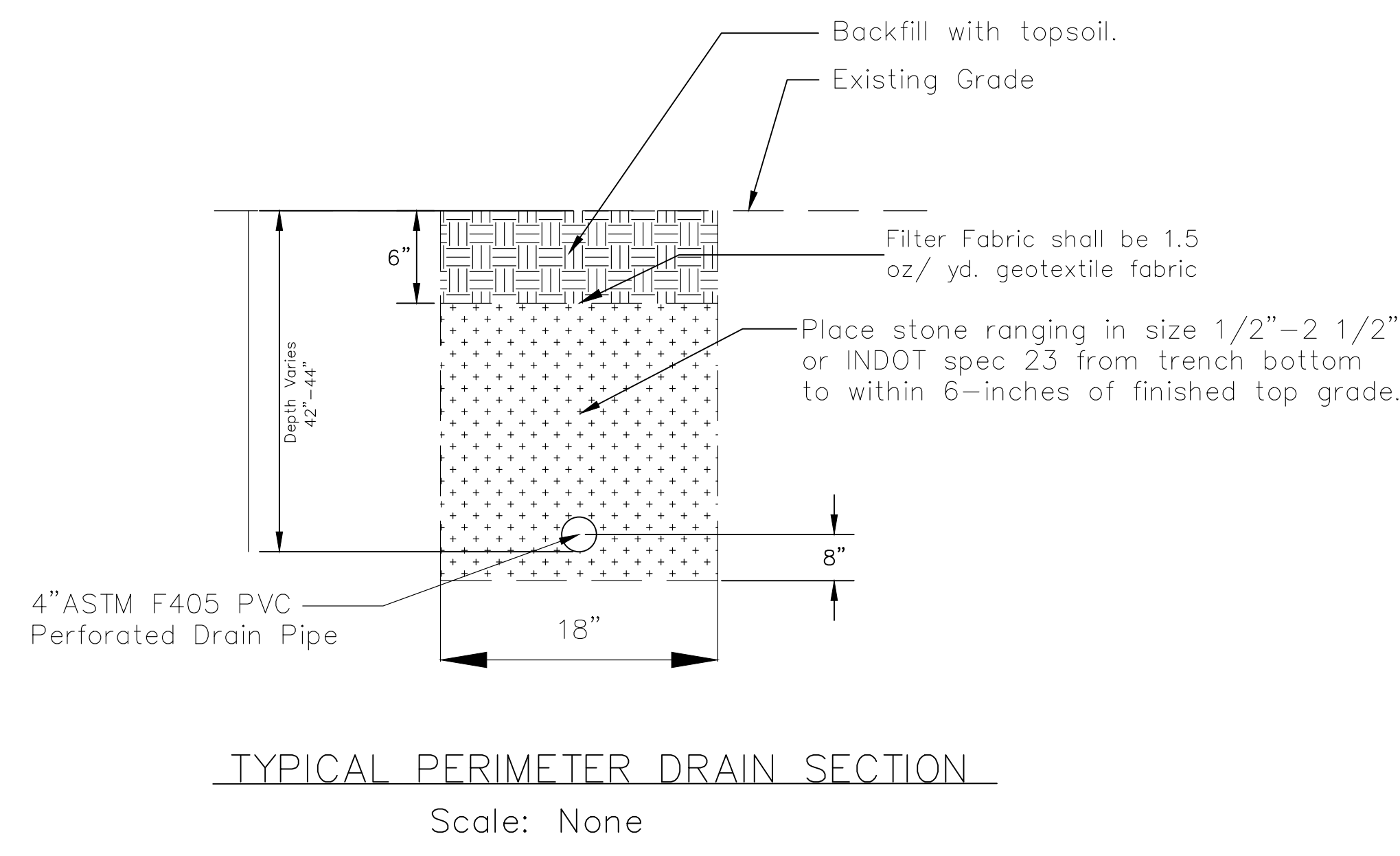
Sewer and Water Utility
GOOSE POND FISH & WILDLIFE AREA
DEPT. OF NATURAL RESOURCES
S.R. 59
LINTON, INDIANA 47441



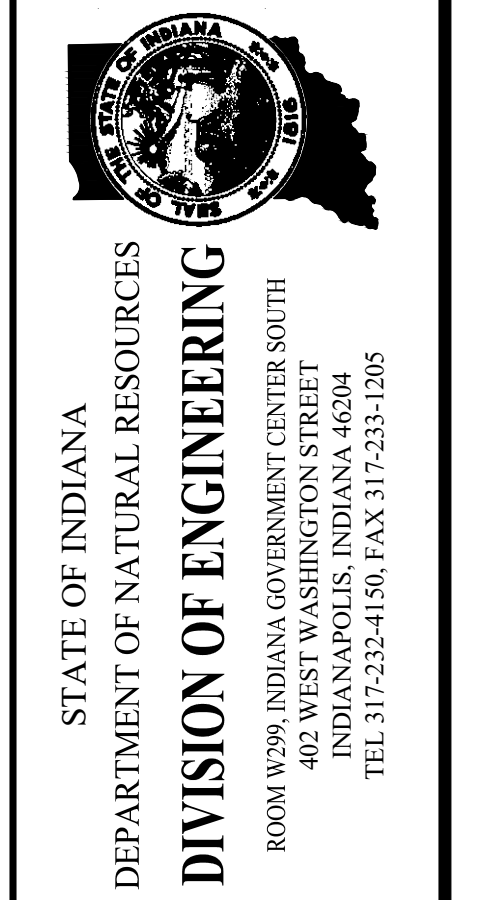
STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ROOM W298 INDIANA GOVERNMENT CENTER SOUTH
402 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA 46204
TEL 317-232-4150, FAX 317-233-1205

Revisions:
1) 6/10/2022
2) 12/6/2022
3) 2/10/2023
4) 4/5/2023

Project Number: E020105
Requisition Number:
Designer: D Drawing Date: 3/22/2022
Drafter: DAK Drawing Scale: 1"=30'
DNR Approval:
Client Approval:
File Number: 085-041
Drawing Number:
Sheet 2 of 3



DETAILS FOR SEPTIC SYSTEM
GOOSE POND FISH & WILDLIFE
DEPT. OF NATURAL RESOURCES
S.R. 59
LINTON, INDIANA 47441



Revisions:

- 6/10/22
- 12/06/2022
- 2/10/2023
- 4/5/2023

Project Number:

Requisition Number:

Designer: MJM Drawing Date: 3/22/2022

Drafter: DAK Drawing Scale: AS NOTED

DNR Approval:

Client Approval:

File Number:

Drawing Number: **D-2**

Sheet 3 of 3

GENERAL NOTES

DESIGN DATA:

1. CODES AND STANDARDS: (ALL WORK SHALL CONFORM WITH THE FOLLOWING BUILDING CODES AND STANDARDS)
 - A.) GENERAL DESIGN: INTERNATIONAL BUILDING CODE, 2012 EDITION (IBC), IN ACCORDANCE WITH INDIANA 2014 BUILDING CODE WITH AMENDMENTS.
 - B.) DESIGN LOADS: ASCE'S "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" (ASCE/SEI 7-10).
 - C.) REINFORCED CONCRETE DESIGN: ACI'S "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-11).
 - D.) STRUCTURAL STEEL DESIGN: AISC'S "STEEL CONSTRUCTION MANUAL, 14TH EDITION."
 - E.) WOOD DESIGN: AF&PA'S "2012 NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH SUPPLEMENT" AND "2008 SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC (SDPWS)".
2. SOIL INFORMATION:

GOOSE POND:
ALLOWABLE NET BEARING PRESSURE, WALL FOOTING _____ 4000 PSF
ALLOWABLE SOIL BEARING PRESSURES ARE BASED UPON CONSOLIDATION OF EXISTING SUB-GRADE SOILS BENEATH THE FOUNDATIONS PRIOR TO CONSTRUCTION USING COMPACTED STONE AGGREGATE PIERS.
SOILS REPORT PREPARED BY TERRACON (PROJECT NO. CJ215112, DATED 05-14-2021).
3. RISK CATEGORY (IBC TABLE 1604.5) _____ CATEGORY II
4. LIVE LOADS: (IBC TABLE 1607.1)

ROOF _____ 20 PSF
REST ROOM CEILING _____ 75 PSF
5. WIND LOADS: (IBC SECTION 1609 AND ASCE 7)

BASIC WIND SPEED / ULTIMATE DESIGN WIND SPEED _____ 115 MPH
NOMINAL DESIGN WIND SPEED (ASD) _____ 89 MPH
EXPOSURE _____ C
INTERNAL PRESSURE COEFFICIENT, GCPI: _____ +/- 0.55
COMPONENTS AND CLADDING
CORNER AND EDGE WIDTH _____ 3'-10"
ROOF:
SEE ROOF TRUSS WIND TABLE ON S-8
WALLS (EFFECTIVE AREA = 10FT²):
MAIN REGIONS _____ 42 PSF
CORNERS AND EDGES _____ 50 PSF
6. SEISMIC LOADS: FOR PRIMARY SYSTEMS (IBC SECTION 1613 AND ASCE 7)

GOOSE POND:
IMPORTANCE FACTOR (DETERMINED FROM RISK CATEGORY) _____ 1.00
SITE CLASS (USE CLASS 'D' UNLESS SOIL REPORT PROVIDES) _____ D
DESIGN SPECTRAL RESPONSE ACCELERATIONS
SHORT PERIOD, S_{0.1} _____ 0.340
1-SECOND PERIOD, S_{0.2} _____ 0.199
SEISMIC DESIGN CATEGORY _____ C
7. DEAD LOADS:

WEIGHT OF MATERIALS AS DETERMINED BY SYSTEMS SELECTED.
MINIMUM COLLATERAL LOAD FOR MECHANICAL, ELECTRICAL, SPRINKLERS, ETC. OF 5 PSF.
INCREASE TO A MINIMUM OF 10 PSF ABOVE CORRIDORS, MECHANICAL ROOMS AND PENTHOUSES.
8. SNOW DESIGN CRITERIA (IBC SECTION 1608 AND ASCE 7)

GROUND SNOW LOAD, PG _____ 20 PSF
IMPORTANCE FACTOR, I _____ 1.00
THERMAL FACTOR _____ 1.20
EXPOSURE FACTOR _____ 1.00
FLAT ROOF SNOW LOAD, PF _____ 20 PSF
DRIFTING AND UNBALANCED SNOW _____ PER IBC AND ASCE 7
9. DEFLECTION CRITERIA (IBC TABLE 1604.3)

ROOF SNOW LOAD _____ L / 360
ROOF DEAD AND LIVE LOAD _____ L / 240

MATERIALS:

1. CONCRETE:

PORTLAND CEMENT (GRAY) _____ ASTM C150 TYPE I OR III
WATER _____ CLEAN AND POTABLE
COARSE AGGREGATE _____ CRUSHED STONE, INDOT SIZE #8, ASTM C33
FINE AGGREGATE _____ SAND, INDOT SIZE #23, ASTM C33
AIR ENTRAINING ADMIXTURE _____ ASTM C260
HIGH RANGE WATER REDUCING ADMIXTURE _____ ASTM C494, TYPE F OR G
SYNTHETIC FIBER REINFORCING _____ 3/4" VIRGIN NYLON FIBERS, BY NYCON INC. OR APPROVED EQUAL

PATCHING MATERIAL:
FIVE STAR STRUCTURAL CONCRETE BY U.S. GROUT CORPORATION
EMACO S77 CI BY BASF CONSTRUCTION CHEMICALS
APPROVED EQUAL

VAPOR BARRIER _____ ASTM E1745, CLASS A PLASTIC SHEET VAPOR BARRIER WITH A MINIMUM THICKNESS OF 15 MILS

EXPANSION JOINT FILLER:
PROVIDE PREFORMED, LOW ABSORPTIVE, BITUMINOUS, CLOSED CELL RUBBER, OR CORK JOINT FILLER. JOINTS SHALL BE 1/2 INCH THICK BY THE FULL THICKNESS OF THE SLAB AND SHALL HAVE REMOVABLE PLASTIC CAPS WHERE JOINTS ARE EXPOSED TO VIEW OR ARE TO BE COVERED WITH SEALANT.

MATERIALS (CONT.):

CONCRETE SCHEDULE				
CLASS	28 DAY COMPRESSIVE STRENGTH	CONCRETE AIR CONTENT	PLACEMENT	REMARKS
A	3000 PSI	OPTIONAL	FILL UNDER FOOTINGS AND FILL FOR EQUIPMENT FRAMES	
B	4000 PSI	OPTIONAL	FOOTINGS, CURBS AND EQUIPMENT BASES	
C	4500 PSI	6% TO 8%	PIERS, WALLS, RETAINING WALLS, COLUMNS, ELEVATED SLABS AND BEAMS	AIR NOT PERMITTED FOR SLAB WITH A TROWEL FINISH
D	3500 PSI	NONE	INTERIOR SLABS-ON-GRADE,	SYNTHETIC FIBERS, VAPOR BARRIER
E	5000 PSI	6% TO 8%	EXTERIOR DOOR STOOPS AND APRONS	

NOTES:

1. SEE SECTION 033000, CAST-IN-PLACE CONCRETE, FOR PROJECTS WITH SPECIFICATION MANUALS.
2. ALL CONCRETE NOT INDICATED IN THE SCHEDULE SHALL BE CLASS "C".

2. REINFORCING STEEL:

STIRRUPS, TIES, AND MAIN REINFORCING BARS _____ ASTM A615, GRADE 60, F_y = 60 KSI
WELDED WIRE FABRIC (SHEETS ONLY) _____ ASTM A1064
3. WOOD FRAMING:

FRAMING MEMBERS _____ NO. 2 SPRUCE-PINE-FIR
WALL STUDS _____ NO. 2 SPRUCE-PINE-FIR
LVL HEADERS _____ MICROLAM 1.9E 2600 Fb
4. POST INSTALLED ANCHORS:
 - A.) ALTERNATE ANCHORS SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
 - B.) ADHESIVE:
 - 1.) HILTI HIT-HY 200 FOR CONCRETE
 - 2.) HILTI HIT-HY 70 FOR MASONRY
 - C.) THREADED RODS:
 - 1.) HILTI HAS-E
 - 2.) HILTI HIT-Z
 - 3.) ASTM A193, GRADE B7
 - 4.) ASTM F1554, GRADE 55
 - D.) MECHANICAL ANCHORS:
 - 1.) HILTI KWIK BOLT-TZ
 - 2.) HILTI KWIK BOLT HUS-EZ
 - 3.) HILTI HDA UNDERCUT ANCHOR
 - E.) ALL ANCHORS SHALL BE GALVANIZED

SPECIAL NOTES:

1. WHERE DISCREPANCY MAY OCCUR BETWEEN THE DRAWINGS AND A GENERAL NOTE OR TYPICAL DETAIL THE DRAWINGS SHALL PREVAIL.
2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE STABILITY AND SAFETY DURING CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO, THE ADDITION OF SHEETING, SHORING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. THE CONTRACTOR SHALL PROVIDE SHORING AND BRACING NECESSARY TO PROTECT EXISTING AND ADJACENT STRUCTURES.
3. STRUCTURAL DOCUMENTS SHALL BE USED WITH OTHER CONSTRUCTION DOCUMENTS, INCLUDING ARCHITECTURAL, M.E.P., AND SITE DOCUMENTS. COORDINATE WITH THESE DOCUMENTS, ALL FLOOR AND ROOF OPENINGS, DEPRESSIONS, AND SLOPES, ETC. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIMITING CONSTRUCTION LOADS SUCH THAT THESE LOADS DO NOT EXCEED THE DESIGN LIVE LOADS NOTED ABOVE. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED DURING CONSTRUCTION TO SUPPORT CONSTRUCTION LOADS UNTIL SUCH TIME THAT THE STRUCTURE IS ABLE TO SUPPORT THE DESIGN LIVE LOADS NOTED.

EXISTING CONDITIONS:

1. VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS BEFORE PROCEEDING WITH NEW CONSTRUCTION. NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK IN THE AREA UNDER QUESTION.
2. PREVENT UNDERMINING OF EXISTING ROADWAYS AND THE FOUNDATIONS OF EXISTING STRUCTURES. TAKE PROTECTIVE MEASURES TO PREVENT DAMAGE TO THE EXISTING FACILITIES. DO NOT EXCAVATE BELOW THE BOTTOM OF EXISTING FOUNDATION WITHOUT FIRST UNDERPINNING THEM.

COORDINATE WITH OTHER TRADES:

1. THE GENERAL CONTRACTOR SHALL COORDINATE AND CHECK ALL DIMENSIONS RELATING TO ARCHITECTURAL FINISHES, MECHANICAL OPENINGS, EQUIPMENT, ETC. THE ARCHITECT / ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK IN THE AREA UNDER QUESTION.
2. THERE SHALL BE NO VERTICAL OR HORIZONTAL SLEEVES SET, OR HOLES CUT OR DRILLED IN ANY JOIST, BEAM OR COLUMN UNLESS IT IS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ARCHITECT / ENGINEER IN WRITING.
3. MECHANICAL OPENINGS THROUGH CONCRETE SLABS AND WALLS LARGER THAN 8" IN DIAMETER, NOT SHOWN ON THE STRUCTURAL DRAWINGS, MUST BE APPROVED BY THE ARCHITECT / ENGINEER. ALL OPENINGS 8" IN DIAMETER OR LESS SHALL HAVE AT LEAST 1'-0" CLEAR BETWEEN THE OPENINGS UNLESS APPROVED BY THE ARCHITECT / ENGINEER.
4. DO NOT INSTALL ELECTRICAL CONDUIT IN ELEVATED SLABS, OR SLAB-ON-GRADE UNLESS APPROVED BY THE ENGINEER.

FOUNDATIONS AND EARTHWORK:

1. PREPARE ALL AREAS OF THE SITE SUPPORTING STRUCTURE BY REMOVING ALL TOP SOIL, EXISTING FILL, ORGANIC MATERIAL, OR FROZEN WET, SOFT, LOOSE OR OTHERWISE UNSUITABLE MATERIALS.
2. PROOF ROLL THE EXPOSED SUB-GRADE BELOW DRIVES, WALLS, AND BUILDING FLOOR SLABS WITH A MEDIUM WEIGHT ROLLER TO DETERMINE IF ANY POCKETS OF SOFT, UNSUITABLE MATERIAL EXIST BENEATH THE EXPOSED SUB-GRADE. REMOVE ANY UNSUITABLE MATERIAL ENCOUNTERED AND REPLACE WITH PROPERLY COMPACTED GRANULAR FILL MATERIAL. COMPACT SUB-GRADE TO 95% MODIFIED MAXIMUM DRY DENSITY (ASTM D1557).
3. COMPACT ALL GRANULAR FILL BENEATH SLAB-ON-GRADE, SIDEWALKS, AND PAVEMENT, OR OVER FOOTINGS TO 95% MODIFIED MAXIMUM DRY DENSITY (ASTM D1557). INCREASE THE COMPACTION REQUIREMENTS FOR ENGINEERED FILL SUPPORTING FOOTINGS TO 97% MODIFIED MAXIMUM DRY DENSITY (ASTM D1557). COMPACT ALL BACKFILL NOT SUPPORTING SLAB, PAVEMENT OR FOOTING TO 90% MODIFIED MAXIMUM DRY DENSITY (ASTM D1557). PLACEMENT, COMPACTION, AND MATERIAL USED FOR FILL SHALL BE APPROVED AND OVERSEEN BY THE TESTING AGENCY.
4. PLACE ALL FILL MATERIALS IN LAYERS NOT EXCEEDING 6" IN LOOSE THICKNESS AND NOT MORE THAN 4" IN LOOSE THICKNESS FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS. MECHANICALLY COMPACT EACH LAYER TO AT LEAST THE REQUIRED MINIMUM DRY DENSITY. FIELD DENSITY TESTS WILL BE PERFORMED ON EACH LIFT AS REQUIRED TO ENSURE ADEQUATE MOISTURE LEVELS AND COMPACTION ARE ACHIEVED. PLACEMENT, COMPACTION, AND MATERIAL USED FOR FILL SHALL BE APPROVED AND OVERSEEN BY THE TESTING AGENCY.
5. SEE PROJECT SPECIFICATIONS AND SOILS REPORT FOR ADDITIONAL REQUIREMENTS FOR PLACEMENT AND COMPACTION OF FILL MATERIAL.
6. FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED MATERIAL. IF UNSUITABLE MATERIAL IS ENCOUNTERED, RE-ESTABLISH THE BEARING ELEVATION OF THE FOOTING BY LOCALIZED UNDER-CUTTING AND FILLING WITH SUITABLE ENGINEERED FILL OR CONCRETE AS RECOMMENDED BY THE TESTING AGENCY.
7. A TESTING AGENCY SHALL VERIFY THAT THE SOIL BEARING CAPACITY IS ACCEPTABLE AT EACH COLUMN FOOTING AND AT 8'-0" INTERVALS ALONG WALL FOOTINGS AT THE INDICATED BEARING ELEVATIONS.
8. PLACE FOOTINGS THE SAME DAY EXCAVATIONS ARE OPENED. IF THIS IS NOT POSSIBLE, ADEQUATELY PROTECT THE EXPOSED MATERIAL IN THE BASES OF THE FOOTING EXCAVATIONS FROM ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS FROM DISTURBANCE, RAIN, OR FREEZING. SURFACE RUNOFF SHALL NOT BE ALLOWED TO ENTER EXCAVATIONS.
9. PLACE ALL FOOTINGS IN WOOD FORMS (UNLESS SPECIFIC APPROVAL IS RECEIVED FROM THE ENGINEER OF RECORD).
10. CENTER ALL COLUMN AND WALL FOOTINGS UNDER THE COLUMN OR WALL ABOVE UNLESS OTHERWISE INDICATED.
11. TOP AND BOTTOM SUPPORTING SLABS FOR ALL CONCRETE WALLS RETAINING EARTH MUST BE PLACED AND HAVE REACHED 70% OF THEIR REQUIRED 28-DAY COMPRESSIVE STRENGTH BEFORE BACKFILLING OPERATIONS BEGIN.
12. ALL CONCRETE WALLS RETAINING EARTH MUST HAVE REACHED 70% OF THE REQUIRED 28-DAY COMPRESSIVE STRENGTH BEFORE BACKFILLING OPERATIONS BEGIN.
13. ALL BACKFILL PLACED AGAINST CONCRETE WALLS SHALL BE GRANULAR FILL MATERIAL.
14. PLACE SLAB-ON-GRADE ON 6" OF PROPERLY COMPACTED, GRANULAR FILL MATERIAL (U.O.N.).
15. ENGINEERED FILL SHALL BE CLEAN, WELL GRADED AND FREE DRAINING IN ITS COMPACTED STATE. THE MATERIAL SHALL BE APPROVED BY THE TESTING AGENCY. IN LIEU OF TESTING AGENCY RECOMMENDATIONS, PROVIDE ONE OF THE FOLLOWING MATERIALS FOR ENGINEERED FILL:
 - A.) CLASS 'A' CONCRETE.
 - B.) CERTIFIED "B" BORROW FROM AN APPROVED INDIANA DEPARTMENT OF TRANSPORTATION SOURCE.
 - C.) CERTIFIED TYPE 2 STRUCTURE BACKFILL FROM AN APPROVED INDIANA DEPARTMENT OF TRANSPORTATION SOURCE.
16. GRANULAR FILL SHALL BE CRUSHED STONE OR PIT RUN GRAVEL. MATERIAL MUST HAVE 100% PASSING A 1" SIEVE AND A MAXIMUM OF 5% PASSING THE 200 SIEVE. SEE PROJECT SOILS REPORT FOR ADDITIONAL OPTIONS AND REQUIREMENTS FOR GRANULAR FILL MATERIAL PLACED BELOW THE BUILDING SLAB-ON-GRADE.
17. IF CONSTRUCTION OCCURS WITH THE COOLER, WETTER MONTHS, IT SHOULD BE ANTICIPATED THAT A COMBINATION OF SOIL AND SEASONAL WEATHER CONDITIONS WILL BE PRESENT DURING CONSTRUCTION THAT WILL RESULT IN SUB-GRADE THAT IS EXCESSIVELY WET, SOFT OR YIELDING. THIS CONDITION MAY BE MITIGATED BY SCARIFYING AND DRYING, OR USING CHEMICAL STABILIZATION (WITH A SUITABLE LIME BY-PRODUCT).
 - A.) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHETHER OR NOT TO EMPLOY SOIL STABILIZATION MEASURES, AND IF SO, FOR DETERMINING WHICH MEASURES ARE MOST APPROPRIATE FOR THIS PROJECT.
 - B.) THE COST OF ANY STABILIZATION MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR.
18. POSITIVE DRAINAGE OF SURFACE WATER, INCLUDING EXISTING AND NEW BUILDING DOWNSPOUT DISCHARGE, SHOULD BE MAINTAINED AWAY FROM STRUCTURE FOUNDATIONS TO AVOID WETTING AND WEAKENING OF FOUNDATION SOILS BOTH DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION OF ANY APPROPRIATE DEWATERING NEEDED.

POST INSTALLED ANCHORS:

1. INSTALLERS OF DRILLED IN ADHESIVE ANCHORS SHALL BE CERTIFIED BY AN ACI OR CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM OR SHALL BE TRAINED ON SITE BY THE ADHESIVE ANCHOR MANUFACTURER SPECIFICALLY FOR THE PROJECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANCHOR LOCATIONS AT ALL MASONRY WALLS. MASONRY WALLS SHALL BE GROUTED SOLID AT ALL ANCHOR LOCATIONS FOR A MINIMUM OF 12" IN ALL DIRECTIONS FROM ANCHOR CENTERLINE.
3. ALL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE ANCHOR MANUFACTURERS SPECIFICATIONS.
4. UNLESS OTHERWISE NOTED ALL ANCHORS SHALL HAVE STANDARD EMBEDMENT DEPTH AS DEFINED BY THE ANCHOR MANUFACTURER.
5. WHERE ANCHORS ARE TO BE INSTALLED INTO EXISTING MASONRY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD TESTING THE ANCHORS PRIOR TO THE FABRICATION OF ANY MATERIALS TO VERIFY THAT THE ALLOWABLE LOADS AS PUBLISHED BY THE ANCHOR MANUFACTURER, OR THOSE INDICATED ON THE STRUCTURAL DRAWINGS, ARE OBTAINABLE. THE CONTRACTOR SHALL SUBMIT RESULTS OF THESE TESTS TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ANCHOR SIZES AND SPACINGS AS SHOWN IN THESE DOCUMENTS ARE SUBJECT TO CHANGE BASED ON THE RESULTS OF THE FIELD TESTS.

WOOD TRUSSES:

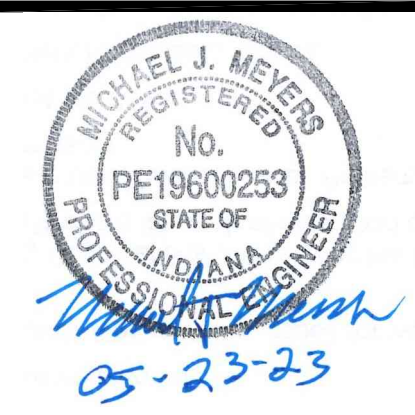
1. PREFABRICATED PANELS SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION MANUAL BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC), THE NATIONAL SPECIFICATION FOR WOOD CONSTRUCTION BY THE (AWC) AND IN ACCORDANCE WITH THE LATEST CRITERIA ESTABLISHED BY THE TRUSS PLATE INSTITUTE (TPI).
2. TEMPORARY BRACING OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES BY THE TPI.
3. TRUSSES SHALL CONFORM TO THE GEOMETRY SHOWN. WEB MEMBER SIZE AND CONFIGURATION SHALL BE THE OPTION OF THE FABRICATOR, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. THE CONTRACTOR SHALL INSTALL ALL PERMANENT TRUSS BRACING AS SHOWN ON THE TRUSS MANUFACTURER'S SHOP DRAWINGS.

LUMBER:

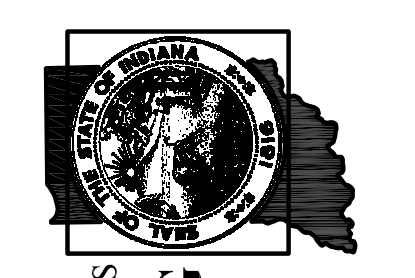
1. STRUCTURAL LUMBER SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TIMBER CONSTRUCTION MANUAL BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE AMERICAN WOOD COUNCIL (AWC).
2. UNLESS OTHERWISE SHOWN OR NOTED, BOLTS AND LAG SCREWS IN CONNECTIONS OF WOOD MEMBERS SHALL BE MADE WITH MATERIAL CONFORMING TO ASTM A307. STANDARD CUT WASHERS SHALL BE USED BETWEEN THE WOOD AND BOLT HEAD AND THE WOOD AND NUT.
3. NAILS AN OTHER WOOD FASTENINGS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE (AWC).

PLYWOOD:

1. PLYWOOD PANELS SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST CRITERIA ESTABLISHED BY THE AMERICAN PANEL ASSOCIATION (APA) INCLUDING THEIR EDITION OF THE PLYWOOD DESIGN SPECIFICATION. PLYWOOD PANELS SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE APA AND SHALL MEET REQUIREMENTS OF THE LATEST EDITION OF THE U.S. PRODUCT STANDARDS PS-1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD.
2. ROOF PANELS SHALL BE INSTALLED WITH THE LONG DIMENSION (FACE GRAIN) ACROSS THE SUPPORTS WITH PANELS CONTINUOUS OVER TWO OR MORE SUPPORTS (MINIMUM 3-SPAN CONDITION).
3. STAGGER PANEL END JOINTS. END JOINTS SHALL ONLY OCCUR OVER A SUPPORT UNLESS RECOMMENDED OTHERWISE BY THE PANEL MANUFACTURER. PROVIDE A 1/8" GAP BETWEEN PANEL ENDS AND EDGES.



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 Goose Pond Fish & Wildlife Area
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 1815 State Road 59
 Linton, IN 47441



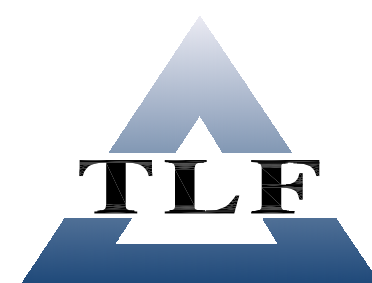
STATE OF INDIANA
 DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
 ROOM W209, INDIANA GOVERNMENT CENTER SOUTH
 402 WEST WASHINGTON STREET
 INDIANAPOLIS, INDIANA 46204
 TEL 317-232-4150, FAX 317-233-1205

Revisions:

Project Number: **ENG2002904496**
 Requisition Number: **Requisition#**
 Drawing Date: **05/24/23**
 Drawing Scale: **AS NOTED**

Client Approval:
 File Number: **129-004**
 Drawing Number: **S-0**
 Sheet: **13 of 31**

Certified by:



3901 West 86th Street, Suite 200
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Project No. 2021-365

F&W Maintenance Building - Goose Pond
Goose Pond Fish & Wildlife Area
DEPT. OF NATURAL RESOURCES
1815 State Road 59
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STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
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Revisions:

Project Number: ENG2002904496

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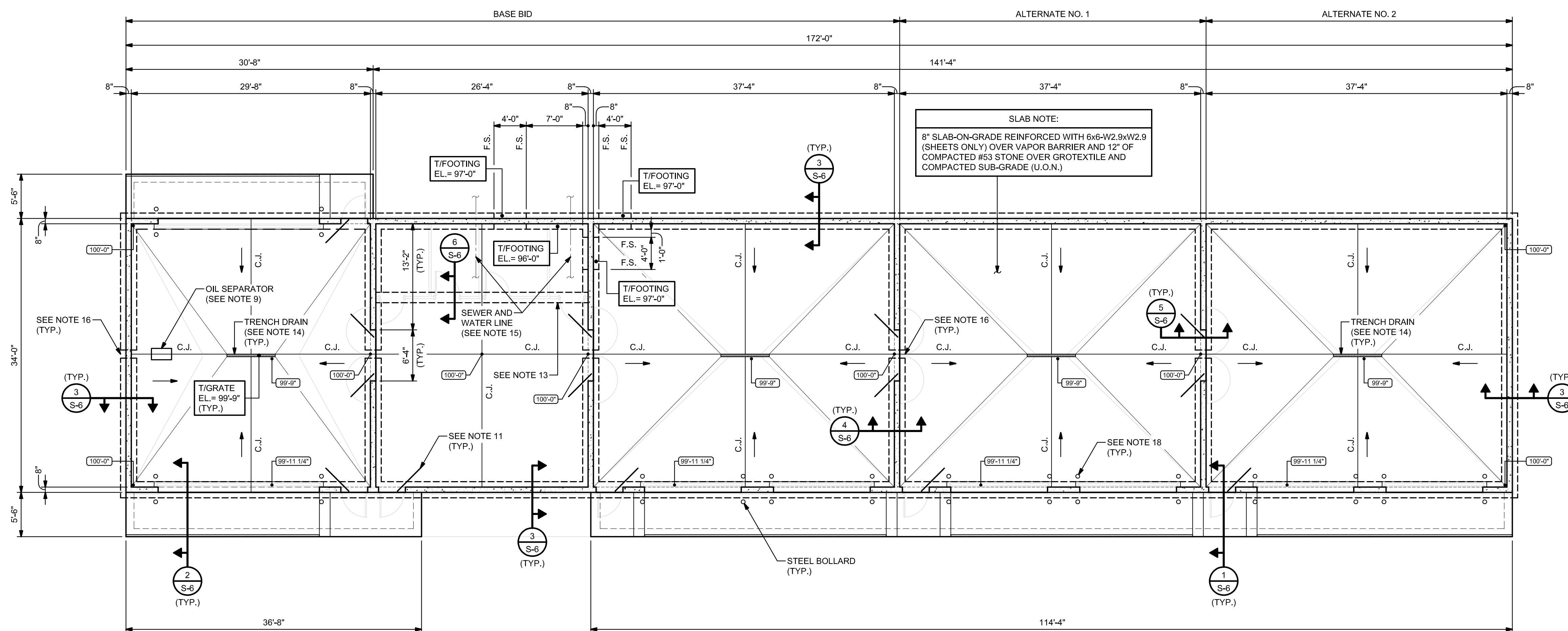
DNR Approval:

Client Approval:

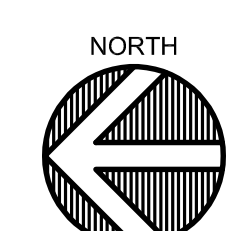
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Drawing Number: S-1

Sheet: 14 of 31

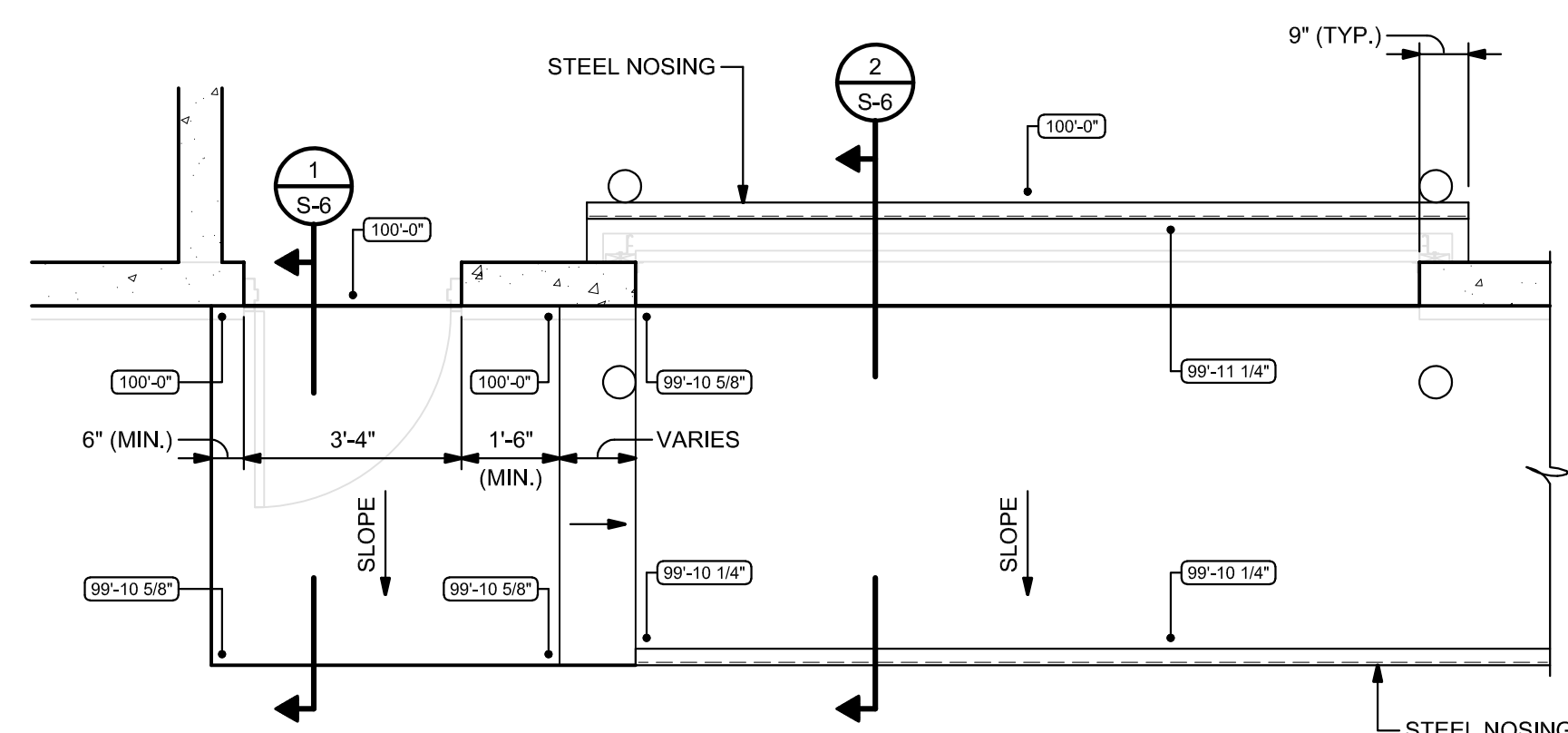


FOUNDATION / SLAB PLAN
1/8" = 1'-0"

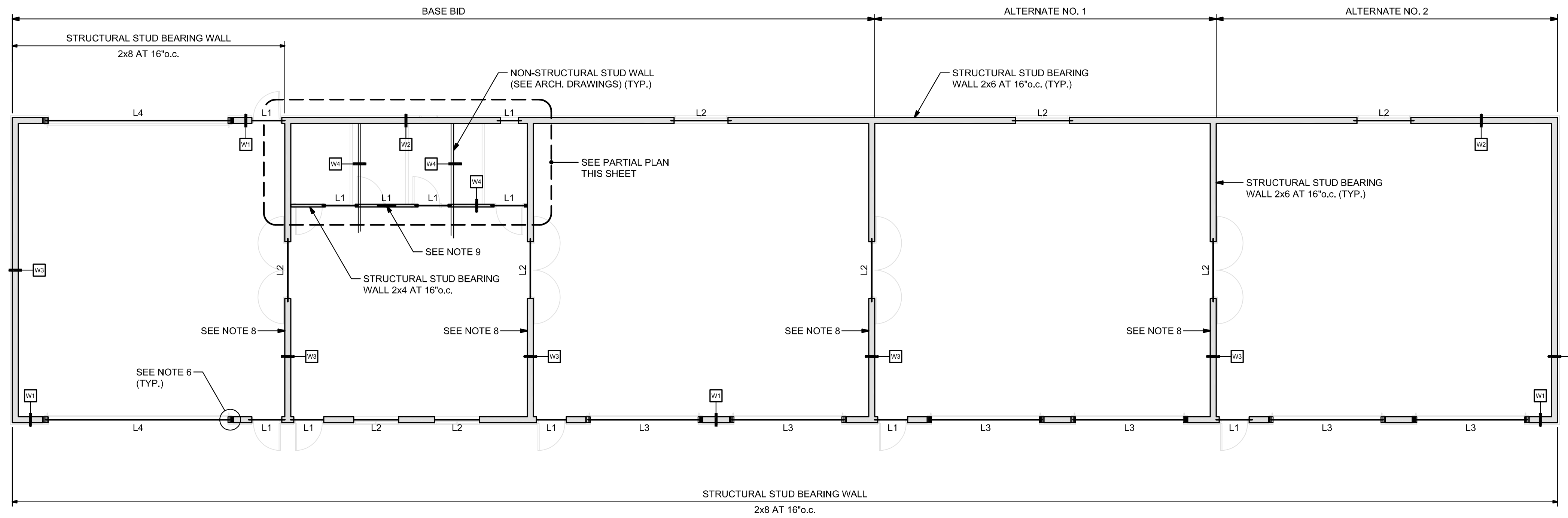


PLAN NOTES:

- REFERENCE FINISH FLOOR ELEVATION = 100'-0" (488.60' U.S.G.S.).
- THE SOILS BENEATH ALL FOOTINGS SHALL BE CONSOLIDATED USING RAMMED AGGREGATE PIERS. SEE SPECIFICATIONS.
- TOP OF FOOTING (T/FOOTING) ELEVATION = 98'-0" (U.O.N.).
- TOP OF SLAB (T/SLAB) VARIES = (SEE PLAN).
- XXXXXX INDICATES TOP OF SLAB (T/SLAB) SPOT ELEVATION.
- TOP OF WALL (T/WALL) ELEVATION = 102'-0" (U.O.N.).
- REFER TO SHEET S-0 FOR GENERAL NOTES.
- REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL LAYOUT, OPENING LOCATIONS, AND ADDITIONAL DETAILS.
- F.S. INDICATES FOOTING STEP. REFER TO SHEET S-4 FOR DETAIL.
- C.J. INDICATES CONTRACTION OR CONSTRUCTION JOINT. REFER TO TYPICAL DETAIL ON SHEET S-5.
- SEE TYPICAL DETAIL ON SHEET S-5 FOR SLAB BAR AT RE-ENTRANT CORNERS AND DOOR OPENINGS.
- COORDINATE LOCATION OF ALL FLOOR DRAINS, UNDER-SLAB PIPING, FLOOR BOXES AND OTHER EMBEDDED ITEMS PRIOR TO PLACING CONCRETE SLABS.
- PROVIDE THICKENED SLAB UNDER INTERIOR LOAD BEARING WALL. SEE SECTION 6 ON SHEET S-6.
- TRENCH DRAIN. SEE PLUMBING DRAWINGS.
- UNDERSLAB UTILITY THRU FOUNDATION WALL. SEE TYPICAL DETAILS ON SHEET S-4.
- COORDINATE WALL FOUNDATIONS WITH UNDERSLAB SANITARY DRAIN PIPE. PROVIDE 12" GAP IN FOUNDATION WHERE PIPE INTERFERES WITH OR IS BELOW WALL FOUNDATION. SEE TYPICAL UNDERGROUND SERVICE PIPE DETAIL ON SHEET S-4 WHERE PIPE IS LOCATED ABOVE WALL FOUNDATION.
- OIL SEPARATOR SHALL HAVE TOP EXTENSIONS AND AN H-20 TRAFFIC RATED COVER. OIL SEPARATOR COVER SHALL BE FLUSH WITH SURROUNDING FLOOR SLAB.
- SEE TYPICAL PIPE BOLLARD DETAIL ON SHEET S-5. INSTALL PIPE BOLLARDS PRIOR TO POURING FLOOR SLAB AND EXTERIOR APRON.



DOOR STOOP AND APRON - PARTIAL PLAN
3/8" = 1'-0"



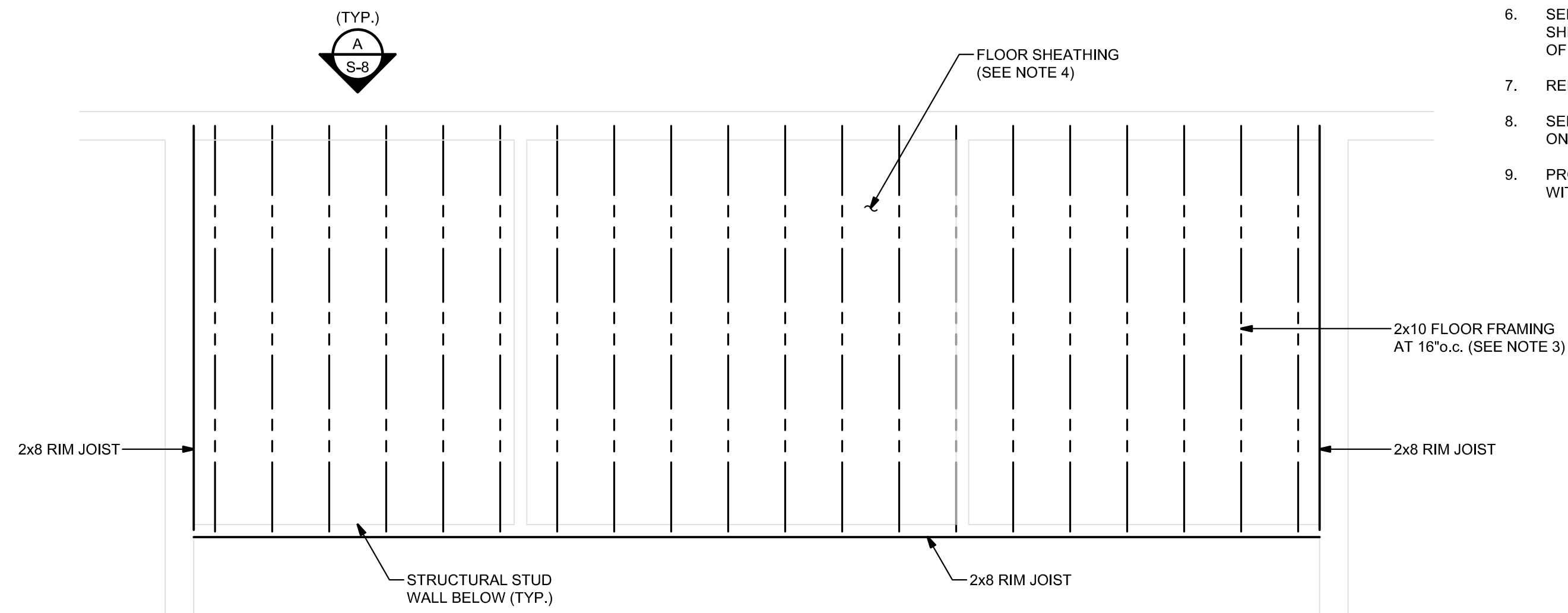
WALL TYPE AND LINTEL PLAN

1/8" = 1'-0"



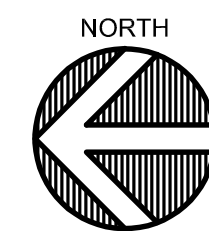
PLAN NOTES:

1. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (488.60' U.S.G.S.).
2. BOTTOM OF LINTEL (B/LINTEL) ELEVATION = VARIES (SEE PLAN).
3. REFER TO SHEET S-0 FOR GENERAL NOTES.
4. INDICATES WALL TYPE. SEE WALL SCHEDULE ON SHEET S-7.
5. L"x" INDICATES LINTEL TYPE. SEE OPENING SCHEDULE AND TYPICAL DETAILS ON SHEET S-7.
6. SEE TYPICAL WALL OPENING DETAIL AND OPENING SCHEDULE ON SHEET S-7 FOR JAMB STUD FRAMING REQUIREMENTS AT EACH SIDE OF WALL OPENINGS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR OPENING LOCATIONS.
8. SEE TYPICAL SHEAR WALL CONNECTION TO ROOF TRUSS DETAILS ON SHEET S-7 FOR TOP OF WALL DETAILS.
9. PROVIDE INTEL WHERE DUCTWORK PENETRATES WALL. COORDINATE WITH MECHANICAL INSTALLER FOR SIZE AND LOCATION.



RESTROOM AND MECHANICAL ROOM CEILINGS - PARTIAL PLAN

3/8" = 1'-0"



PLAN NOTES:

1. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (488.60' U.S.G.S.).
2. TOP OF FLOOR (T/FLOOR) ELEVATION = SEE ARCHITECTURAL.
3. SEE ELEVATION A/S-8 FOR FRAMING AT EXTERIOR WALL. SEE ARCHITECTURAL DRAWINGS FOR BALANCE OF GEOMETRY.
4. FLOOR PANEL TO BE 23/32" STRUCTURAL 1 PLYWOOD TONGUE AND GROOVE SUB-FLOOR GLUED AND FASTENED TO FLOOR FRAMING WITH 10d NAILS AT 6" o.c. AT EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS. SPAN RATING NOT LESS THAN 24.
5. POST *MAXIMUM FLOOR LOADING = 75 POUNDS PER SQUARE FOOT*.



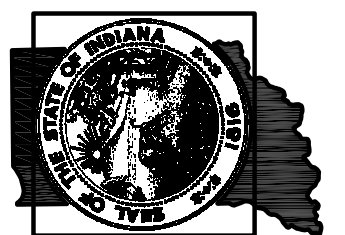
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 Project No. 2021-365

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Drafter: Drawing Scale: AS NOTED

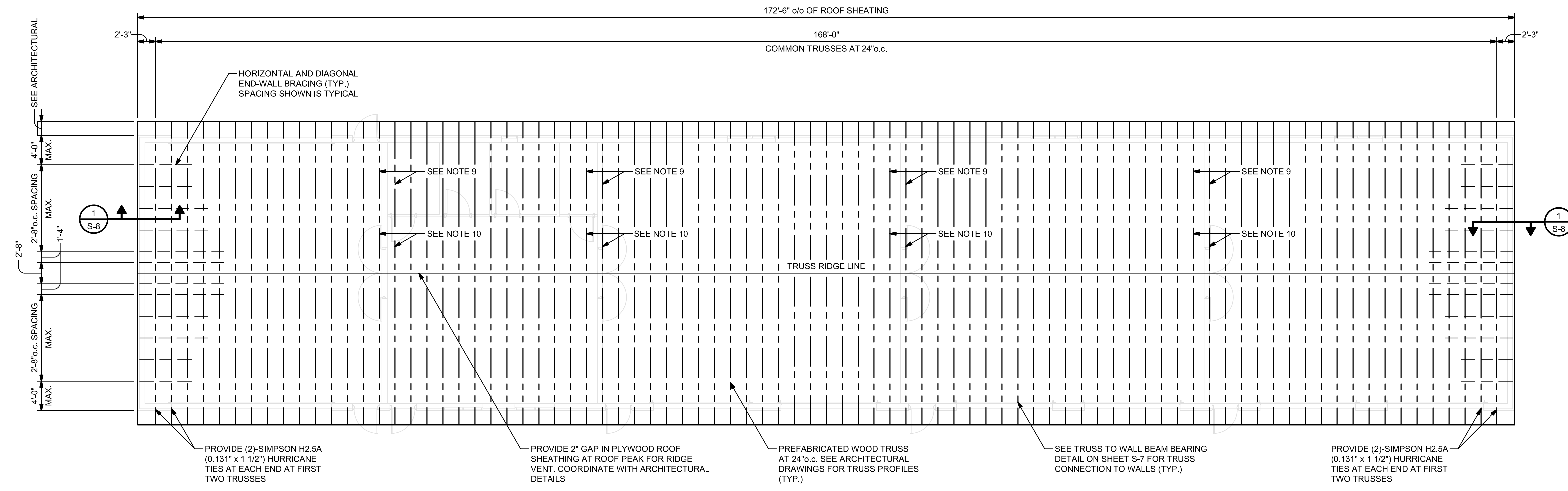
DNK Approval:

Client Approval:

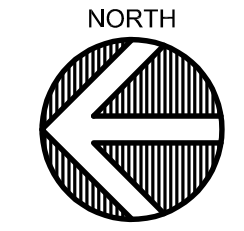
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Drawing Number: S-2

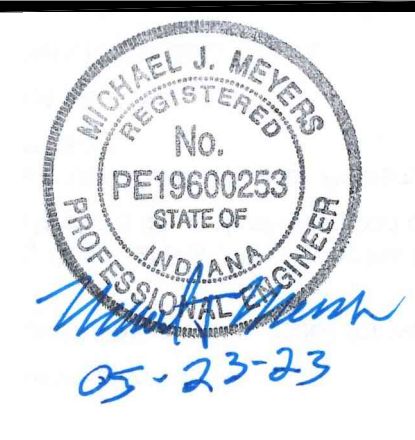
Sheet: 15 of 31



ROOF FRAMING PLAN
1/8" = 1'-0"



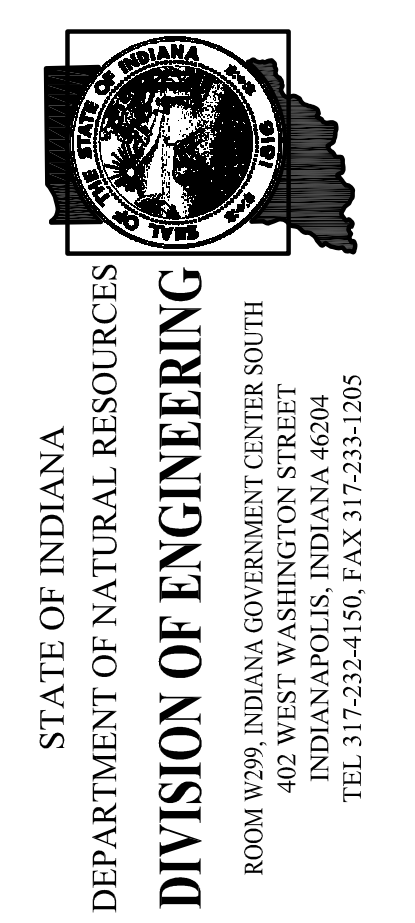
- PLAN NOTES:**
- REFERENCE FINISH FLOOR ELEVATION = 100'-0" (488.60' U.S.G.S.).
 - TRUSS BEARING ELEVATION = 114'-0" (U.O.N.).
 - REFER TO SHEET S-0 FOR GENERAL NOTES.
 - REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL LAYOUT, OPENING LOCATIONS, ROOF SLOPE, AND ADDITIONAL DETAILS.
 - TRUSS MANUFACTURER SHALL SUBMIT TRUSS DESIGNS AND ERECTION DRAWINGS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA.
 - ALL CLIPS AND UPLIFT FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - ROOF SHEATHING SHALL BE EXTERIOR, STRUCTURAL 1 PLYWOOD SHEATHING NOT LESS THAN 19/32" THICK WITH A SPAN RATING NOT LESS THAN 32/16 NAILED AT 6" o.c. AT EDGES AND TRUSSES INDICATED ON PLAN TO TRANSFER WIND FORCE TO SHEAR WALL AND 12" o.c. AT INTERMEDIATE SUPPORTS USING 0.131" x 2 1/2" NAILS.
 - ROOF PANELS SHALL BE INSTALLED WITH THE LONG DIMENSION ACROSS THE SUPPORTS AND WITH STAGGERED END JOINTS.
 - DESIGN TRUSSES WHERE INDICATED TO TRANSFER 475 PLF OF HORIZONTAL WIND LOAD FROM THE ROOF DECK DOWN TO THE SHEAR WALL BELOW. SEE TYPICAL SHEAR WALL CONNECTION TO ROOF WITH TRUSS PARALLEL DETAIL ON SHEET S-7.
 - DESIGN TRUSSES WHERE INDICATED FOR ADDITIONAL DEAD LOAD OF 3PSF OF TRUSS AREA FOR ADDITION OF GYPSUM BOARD ON SIDE OF TRUSS. SEE ARCHITECTURAL DETAILS.



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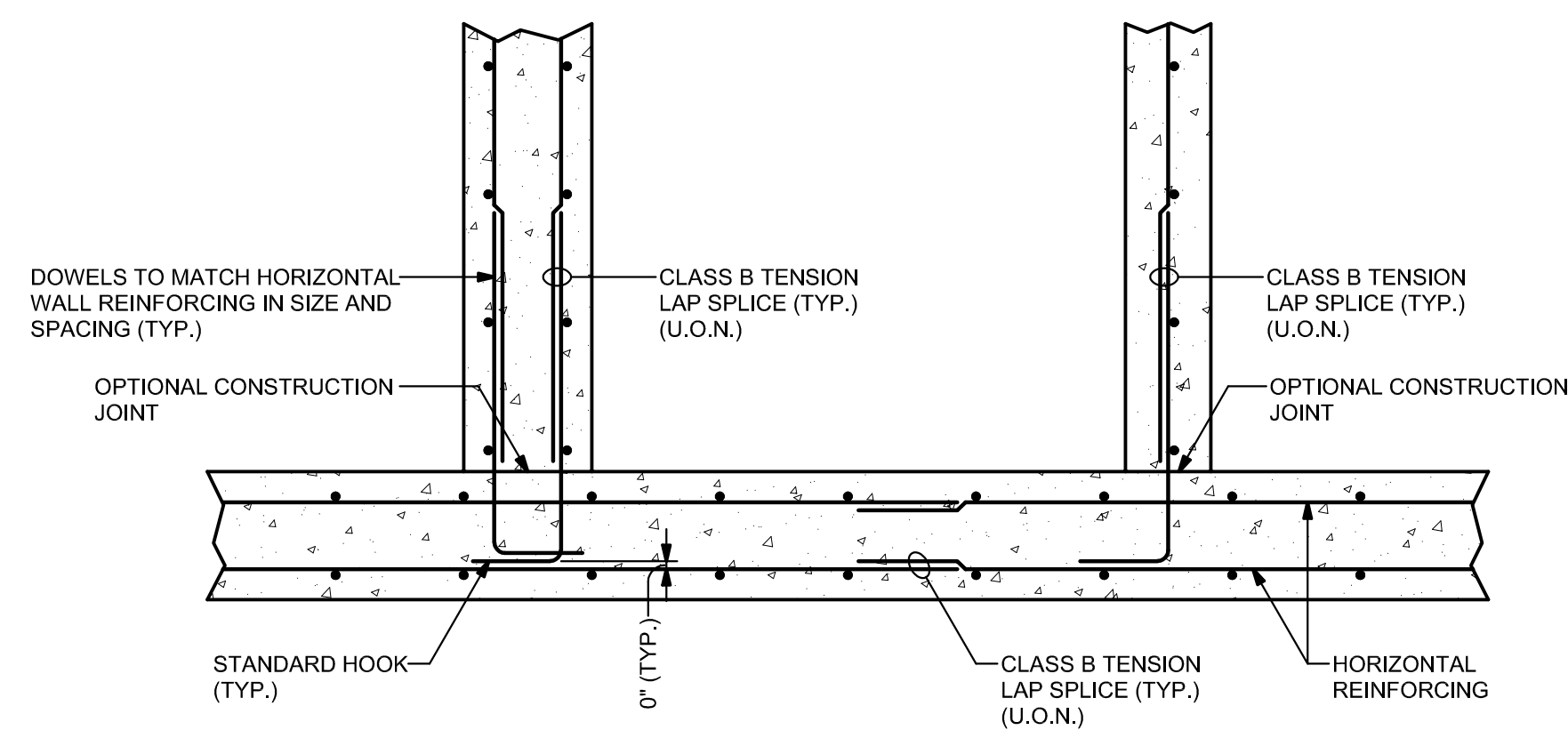
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Indianapolis, Indiana 46268
Phone: 317-334-1500
Fax: 317-334-1552
Project No. 2021-365

F & W Maintenance Building - Goose Pond
Goose Pond Fish & Wildlife Area
DEPT. OF NATURAL RESOURCES
1815 State Road 59
Linton, IN 47441



Revisions:

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File Number: 129-004
Drawing Number: S-3
Sheet: 16 of 31



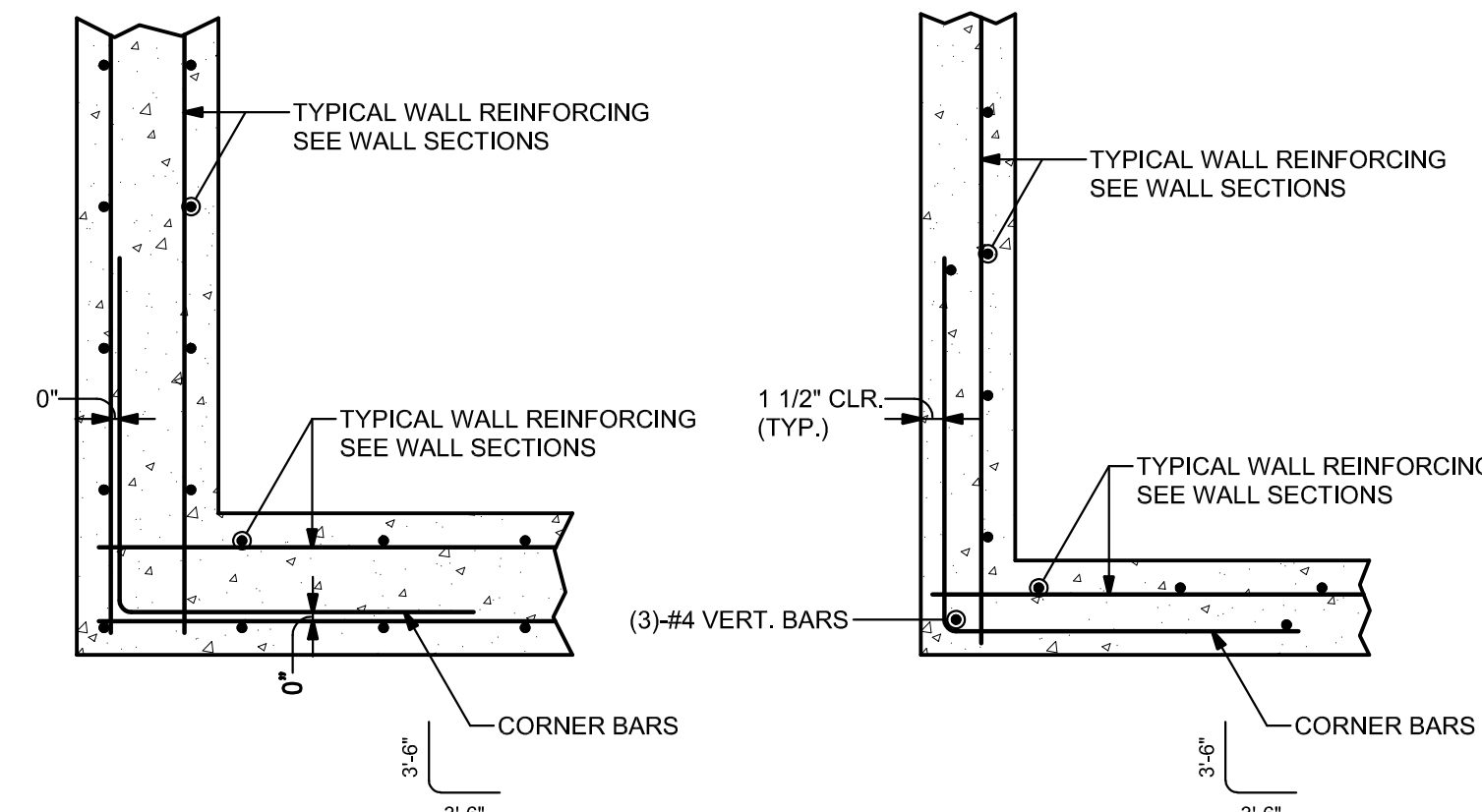
WALL REINFORCING
(BOTH FACES)

WALL REINFORCING
(MIDDLE)

NOTES:

1. SEE WALL SECTIONS FOR TYPICAL WALL REINFORCING (SIZE AND SPACING).
2. SEE GENERAL NOTES AND WALL SECTIONS FOR REINFORCING STEEL CLEARANCES.

TYPICAL REINFORCEMENT AT WALL INTERSECTION - PLAN VIEW



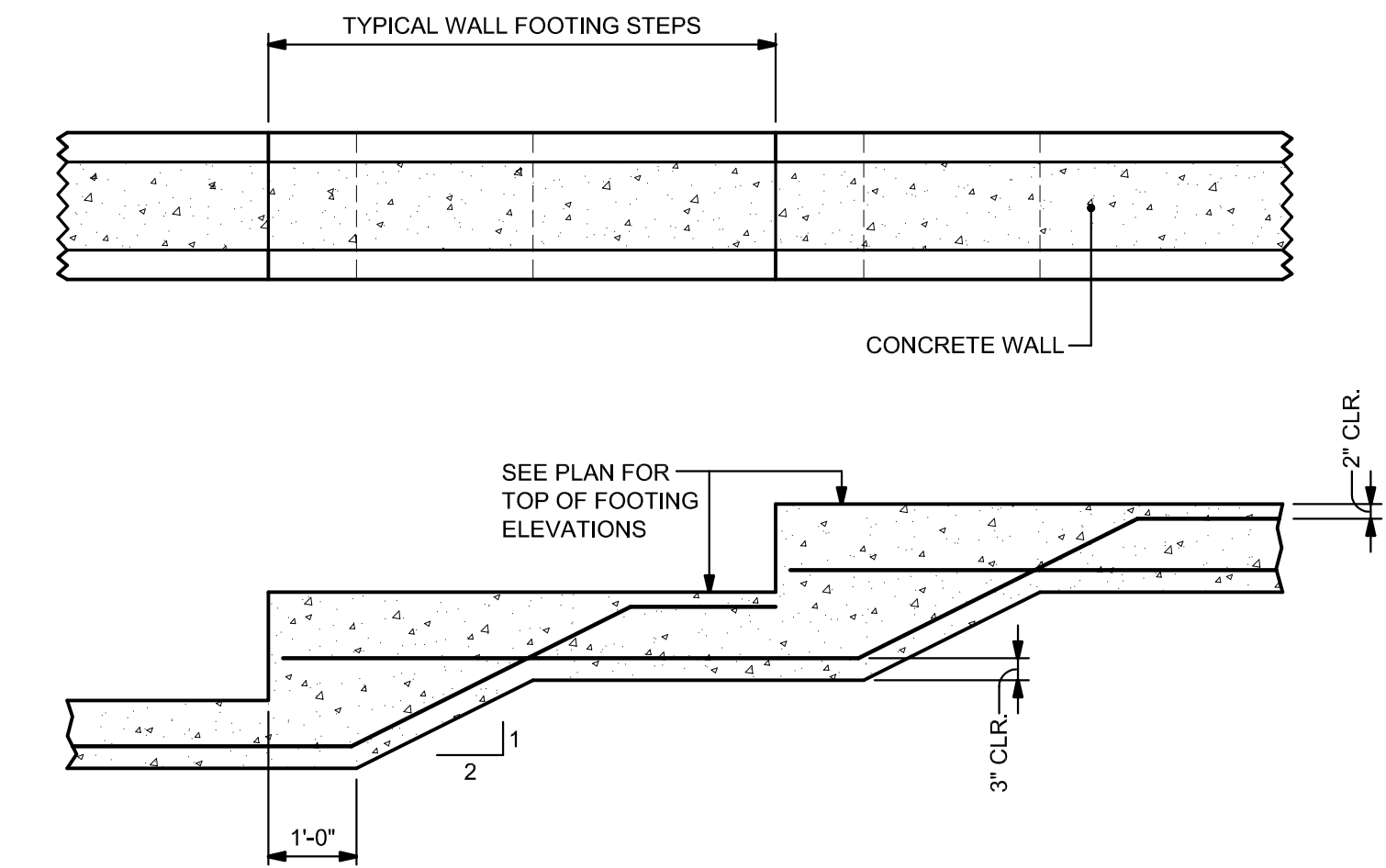
WALL REINFORCING
(BOTH FACES)

WALL REINFORCING
(MIDDLE OR INSIDE FACE)

NOTES:

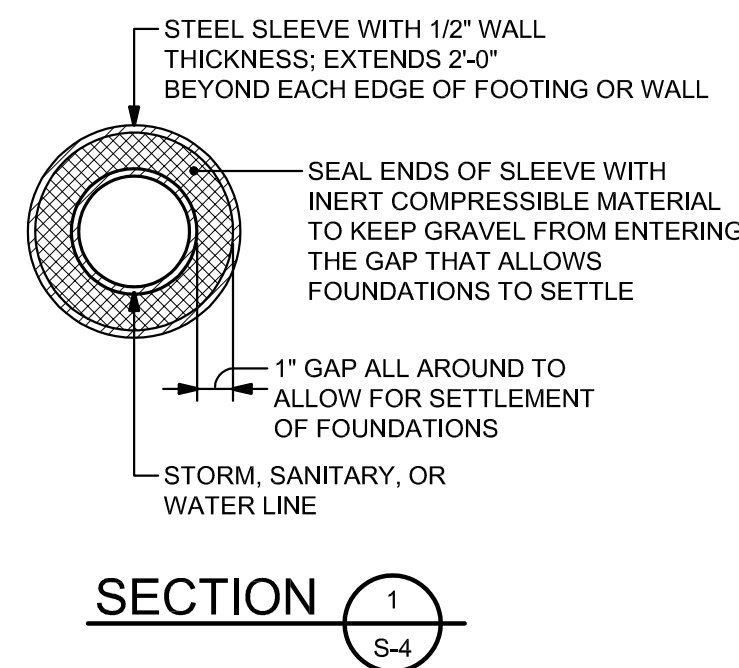
1. PROVIDE CORNER BARS AS SHOWN, MATCH HORIZONTAL WALL REINFORCING (SIZE AND SPACING).
2. TERMINATE HORIZONTAL WALL REINFORCING 1 1/2" CLEAR FROM END OF WALL (TYP.) (U.O.N.).

TYPICAL CORNER REINFORCEMENT FOR WALLS - PLAN VIEW

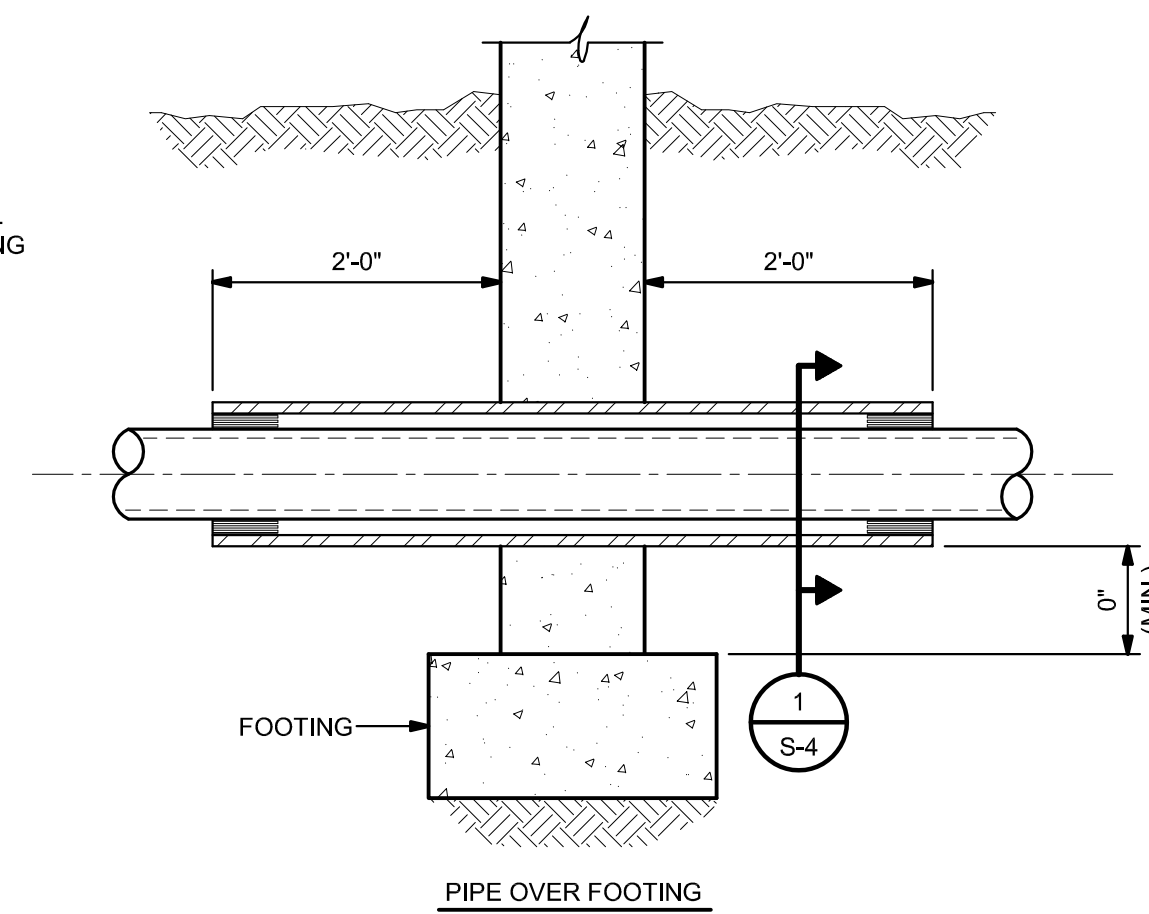


ELEVATION

TYPICAL WALL FOOTING STEP DETAIL



SECTION 1
S-4



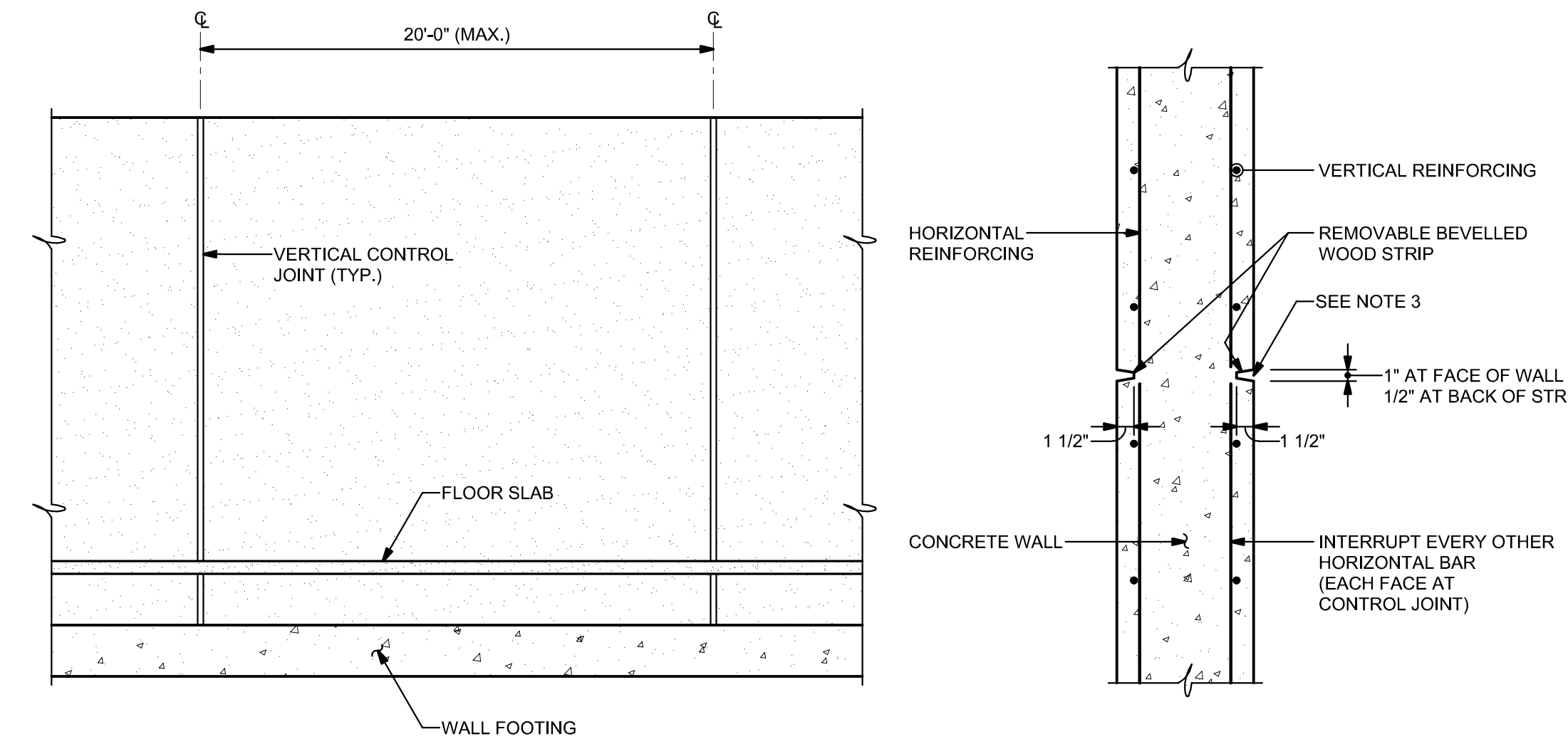
PIPE OVER FOOTING

COORDINATE THE USE OF THESE DETAILS WITH THE UNDERSLAB PIPING CONTRACTOR

NOTES:

1. DO NOT LOCATE SERVICE PIPE TRANSITIONS AT COLUMN FOUNDATIONS.
2. SERVICE PIPE TRANSITIONS SHALL BE PERPENDICULAR TO WALL FOUNDATIONS.
3. DO NOT INTERRUPT WALL FOOTINGS AT SERVICE PIPES. STEP WALL FOOTINGS DOWN TO BE BELOW SERVICE PIPES IF AN ELEVATION CONFLICT EXISTS.
4. PIPE SLEEVE EXTENSIONS MAY BE REDUCED IF THE PIPE TURNS VERTICALLY TO RUN UP THE FACE OF THE WALL. IN THIS CASE THE PIPE SLEEVE SHOULD BE TERMINATED AS CLOSE TO THE PIPE ELBOW AS POSSIBLE.

TYPICAL UNDERGROUND SERVICE PIPE DETAIL AT WALL FOUNDATIONS

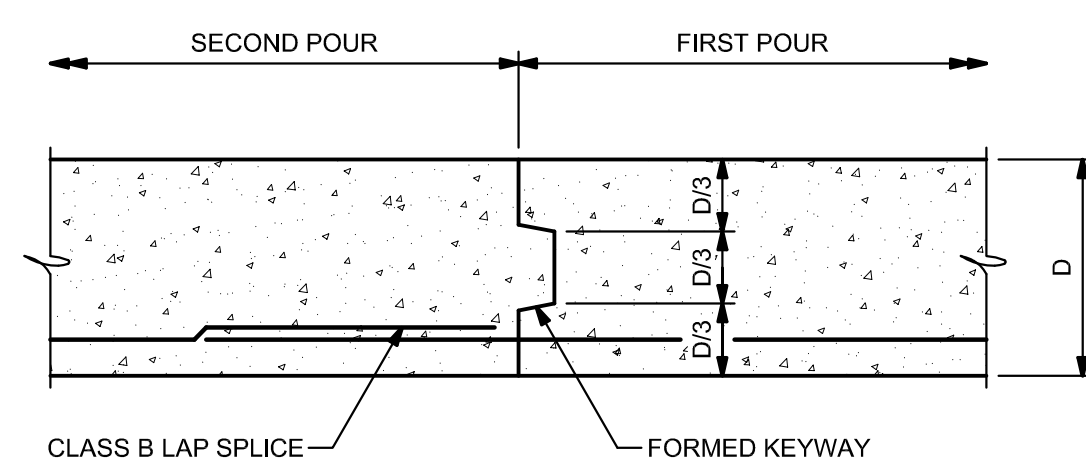


PLAN VIEW

NOTES:

1. VERTICAL CONSTRUCTION JOINTS MUST BE LOCATED AT VERTICAL CONTROL JOINTS.
2. CONSTRUCTION JOINTS MUST HAVE THE APPEARANCE OF A CONTROL JOINT. (I.E. BEVELLED JOINT)
3. SEAL ALL CONTROL JOINTS LOCATED ON THE EXPOSED FACE.

VERTICAL CONTROL JOINT IN WALL (V.C.J.)



TYPICAL WALL FOOTING CONSTRUCTION JOINT

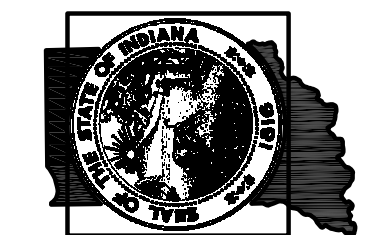


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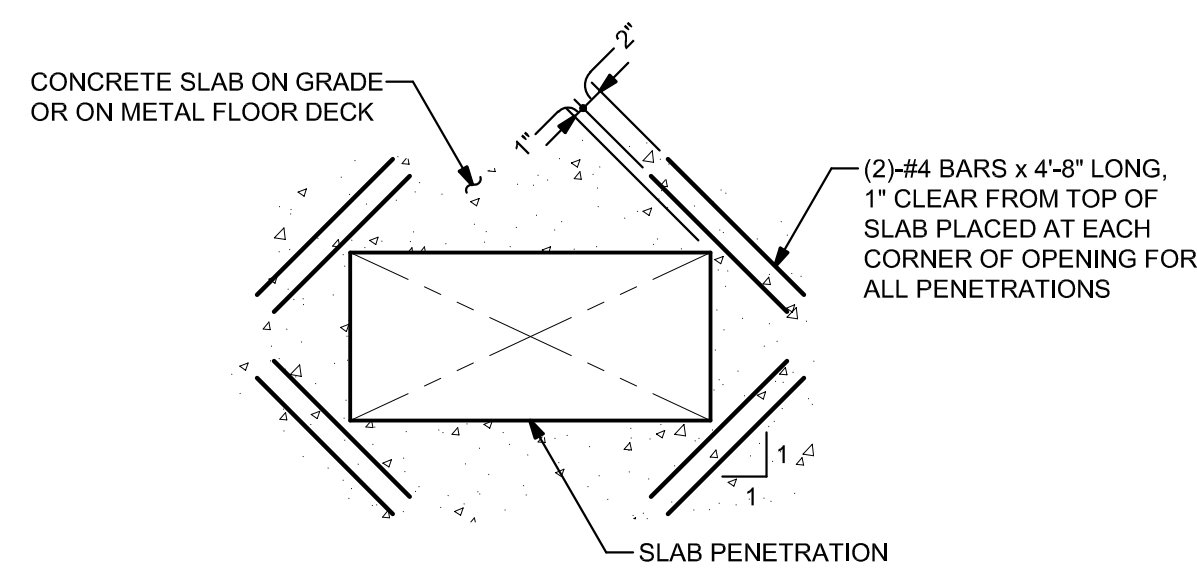
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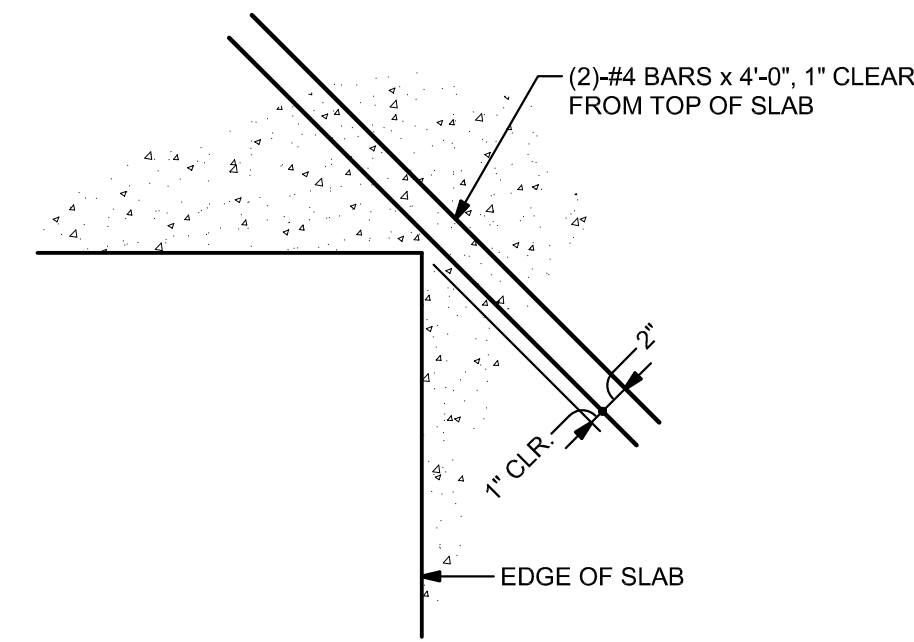
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Drawing Number:
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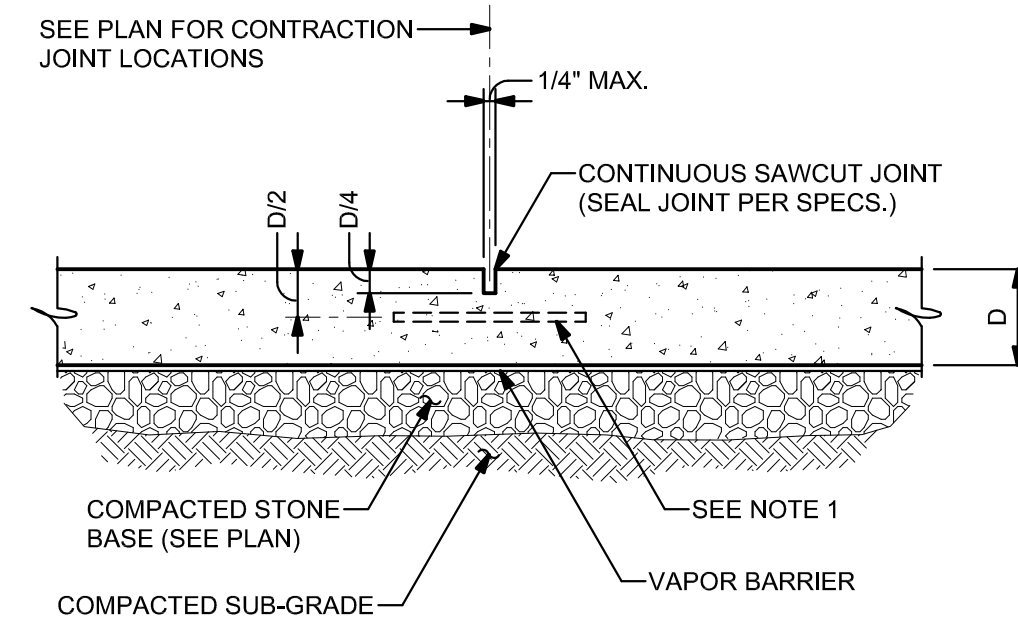
Sheet: **17** of **31**



TYPICAL REINFORCING AT CONCRETE SLAB PENETRATIONS AND TRENCH DRAINS

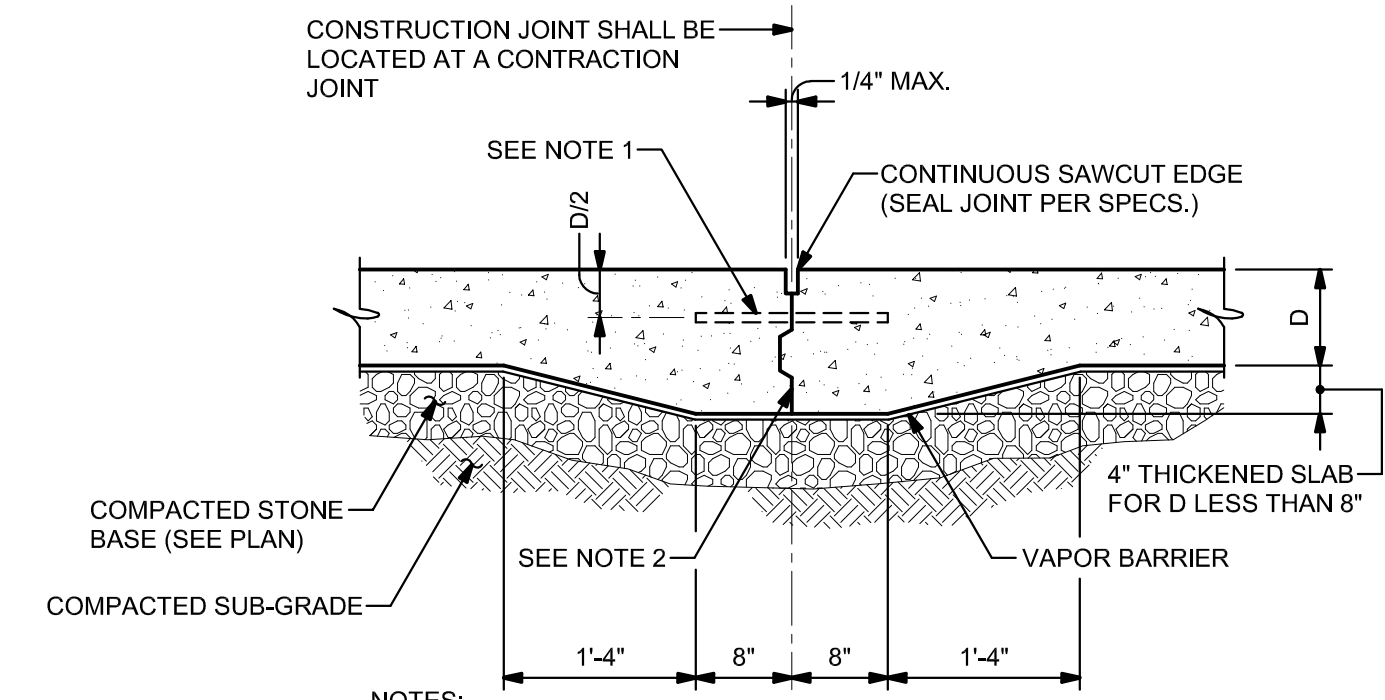


TYPICAL SLAB-ON-GRADE INTERIOR CORNER REINFORCING DETAIL



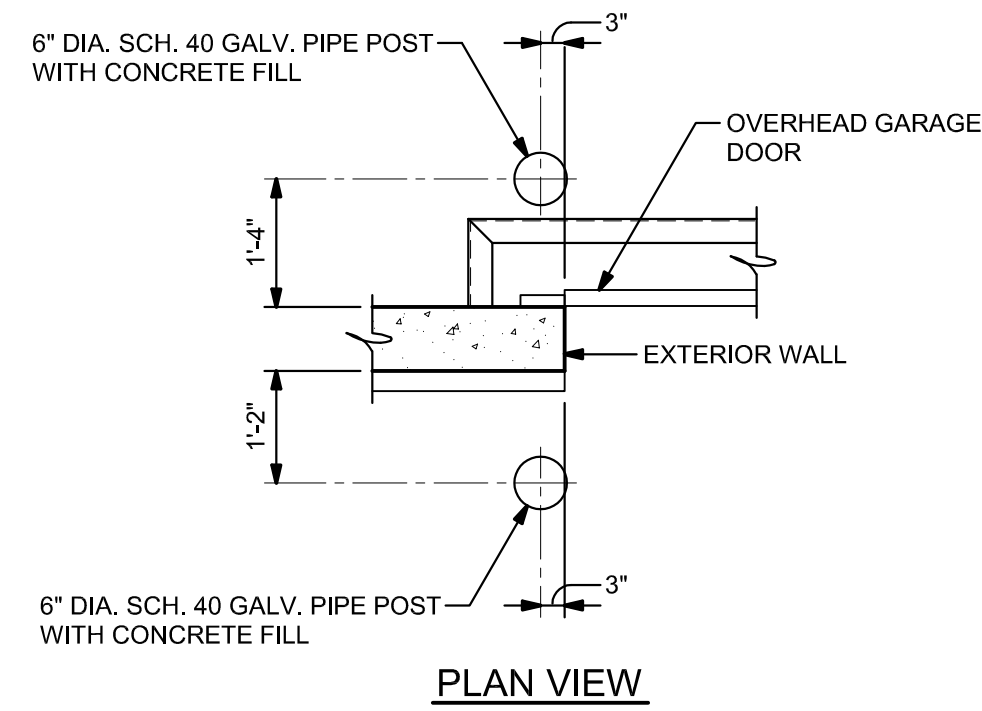
- NOTES:**
- 3/4" DIA. SMOOTH, GREASED EPOXY COATED DOWELS (NO BURRS) 1'-4" LONG AT 12" o.c.
 - SAWCUT JOINT AS SOON AS POSSIBLE WITHOUT RAVELING THE EDGE OF CONCRETE.
 - AT REINFORCED SLABS, INTERRUPT REINFORCING AT SLAB CONTRACTION JOINTS.

TYPICAL SLAB-ON-GRADE CONTRACTION JOINT

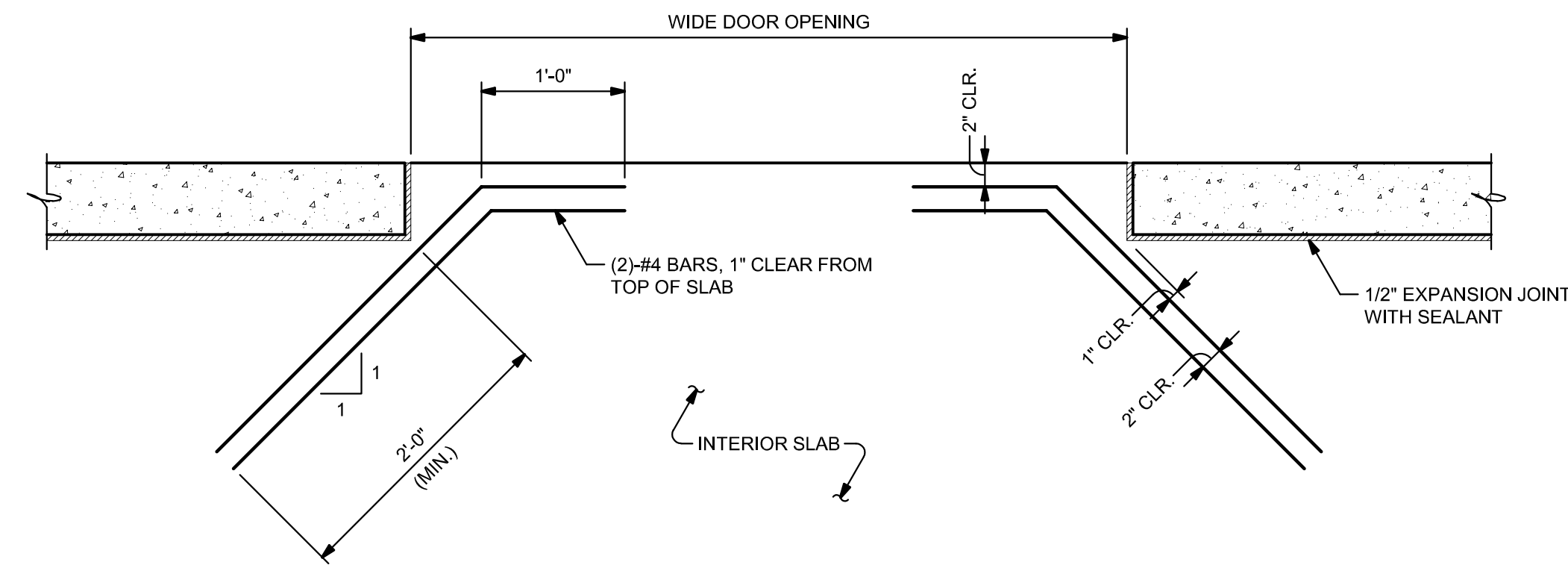


- NOTES:**
- 3/4" DIA. SMOOTH, GREASED EPOXY COATED DOWELS (NO BURRS) 1'-4" LONG AT 12" o.c. MAY BE PROVIDED IN PLACE OF 2"x4" KEYWAY.
 - PAINT JOINT WITH BOND BREAKER.
 - AT REINFORCED SLABS, INTERRUPT REINFORCING AT SLAB CONSTRUCTION JOINTS.

TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT

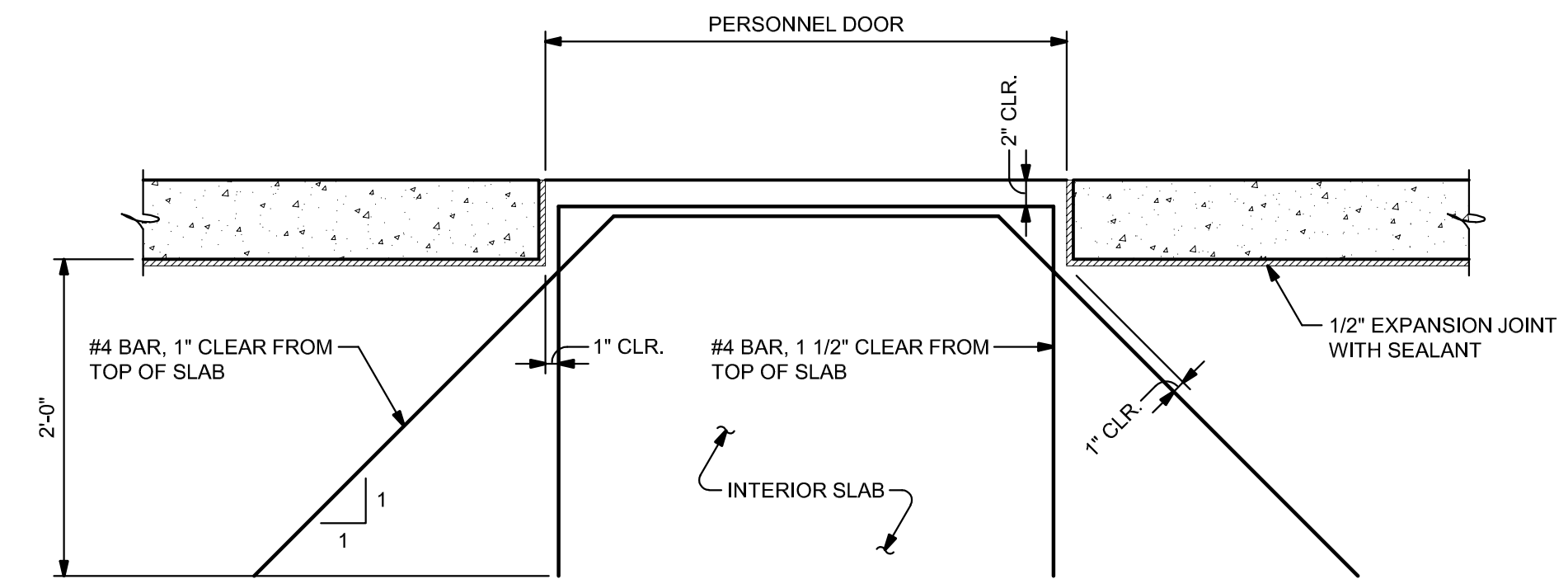


TYPICAL PIPE BOLLARD DETAIL
1/2" = 1'-0"



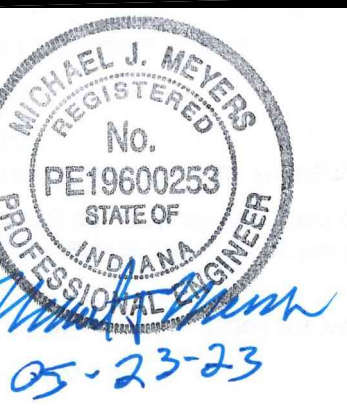
- NOTES:**
- SEE PLAN FOR EDGE OF SLAB LOCATION.
 - SEE EXTERIOR STOOP DETAILS FOR ADDITIONAL REQUIREMENTS.

TYPICAL SLAB REINFORCEMENT AT EXTERIOR OVERHEAD DOOR



- NOTES:**
- SEE PLAN FOR EDGE OF SLAB LOCATION.
 - SEE EXTERIOR STOOP DETAILS FOR ADDITIONAL REQUIREMENTS.

TYPICAL SLAB REINFORCEMENT AT EXTERIOR DOORS



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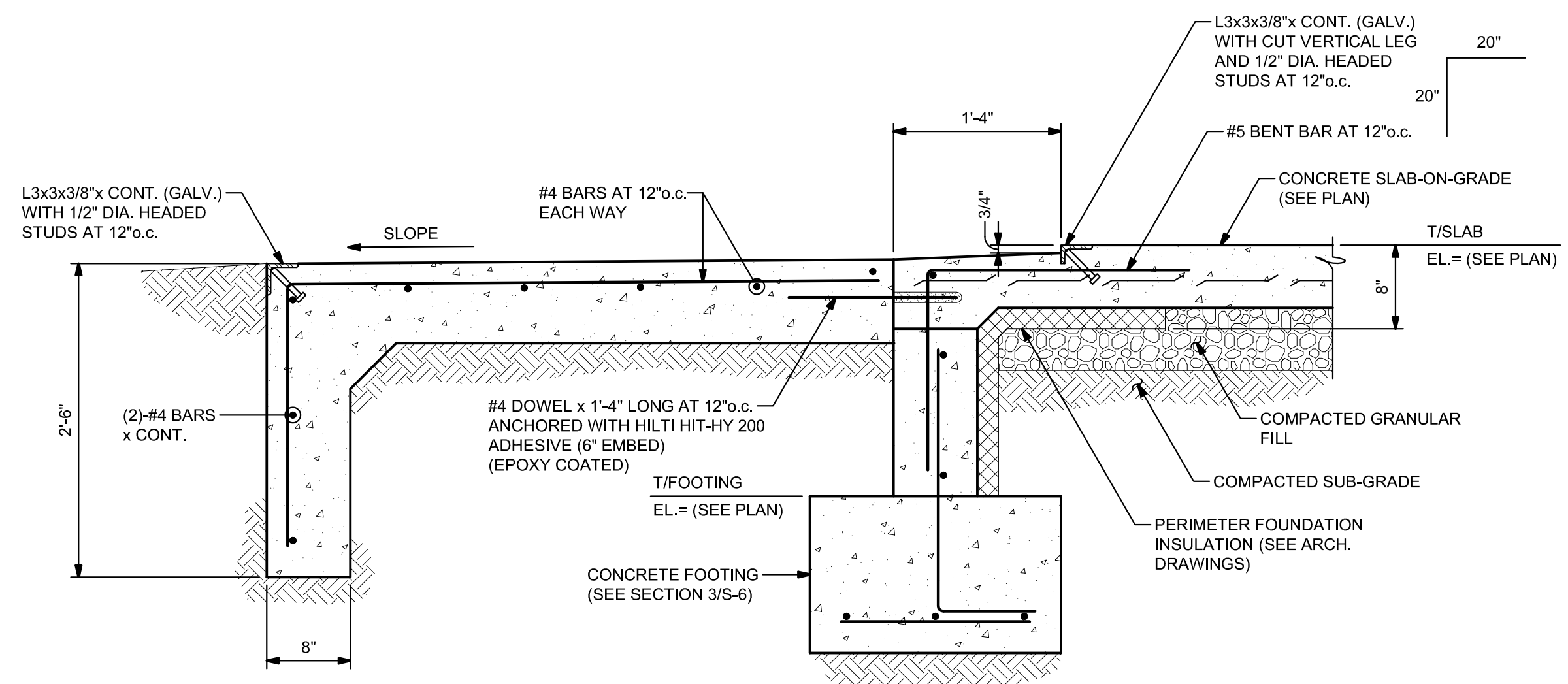
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File Number:
129-004

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S-5

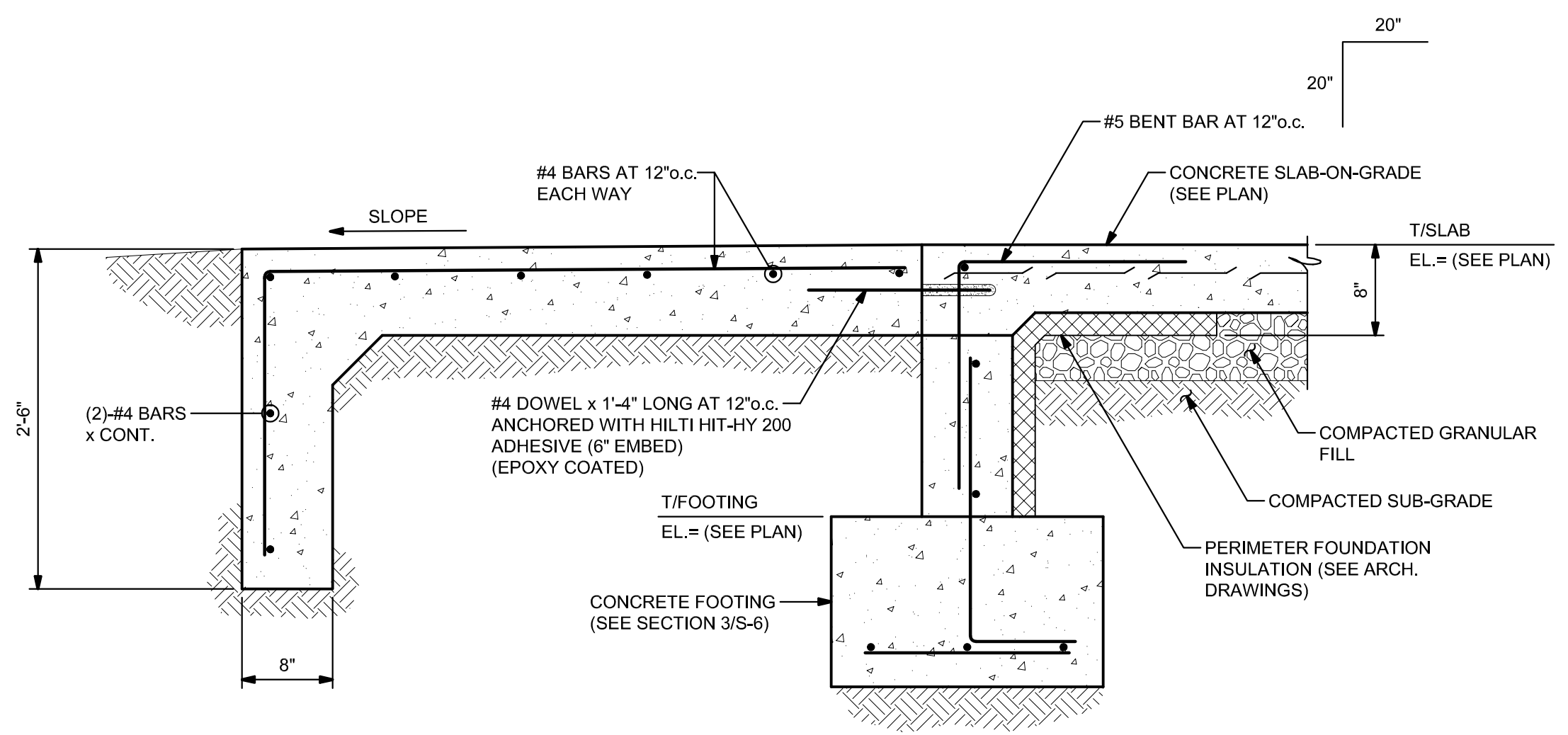
Sheet: **18** of **31**



NOTE:
1. SEE PLAN FOR PIPE BOLLARD LOCATIONS. INSTALL BOLLARDS PRIOR TO FLOOR SLAB AND EXTERIOR CONCRETE APRON.

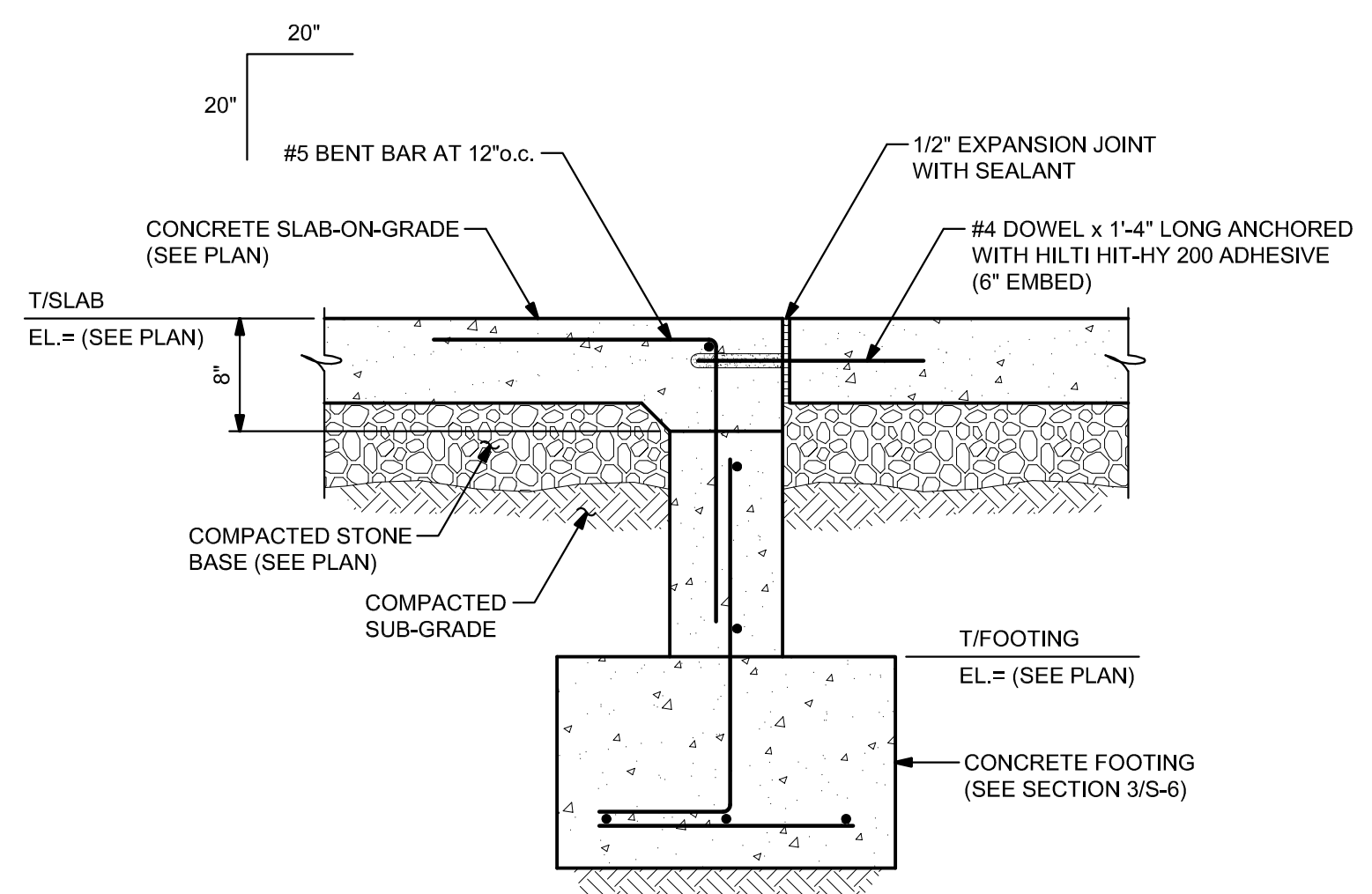
AT OVERHEAD DOOR

SECTION 2
1" = 1'-0"

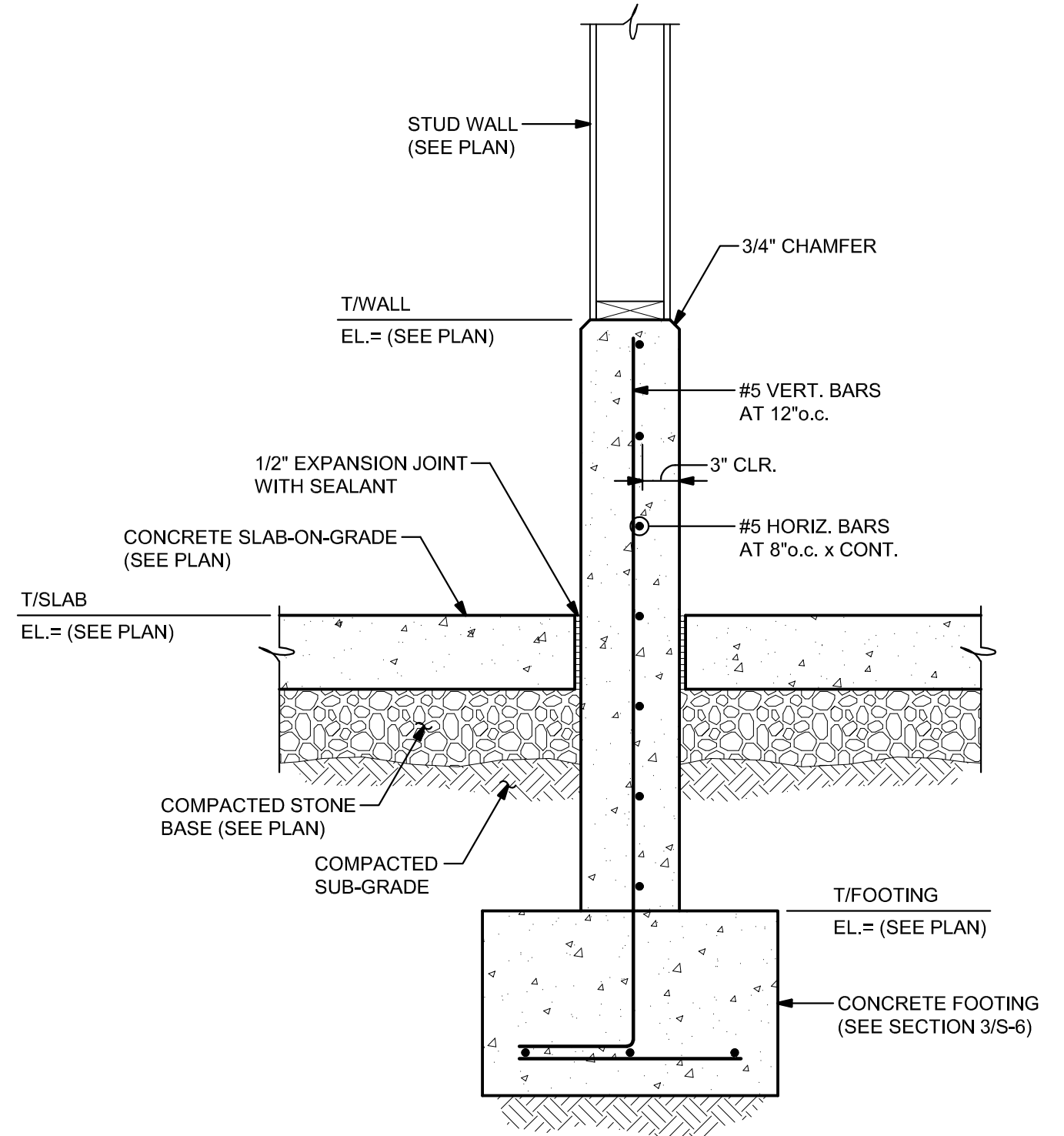


AT MAN DOOR

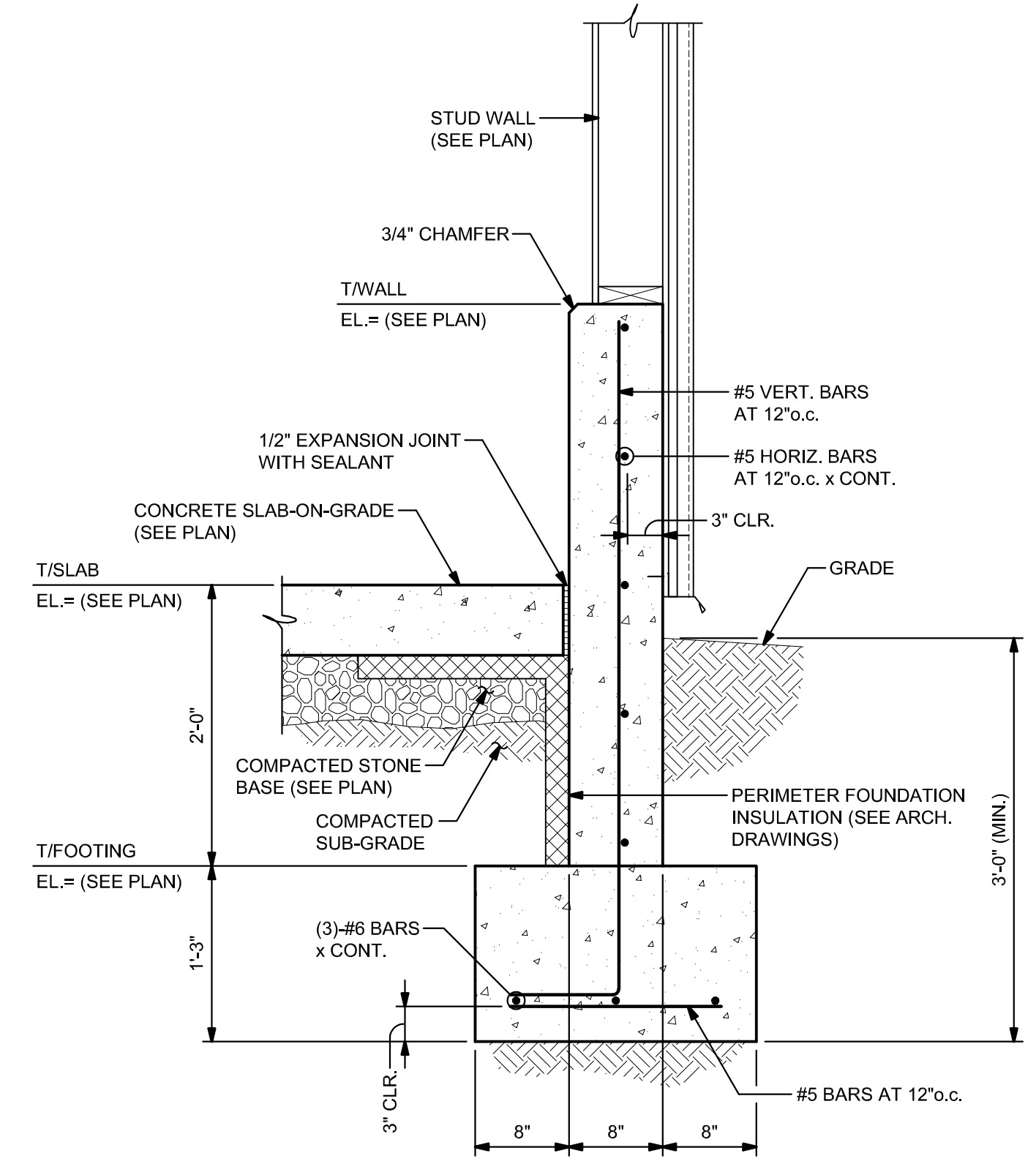
SECTION 1
1" = 1'-0"



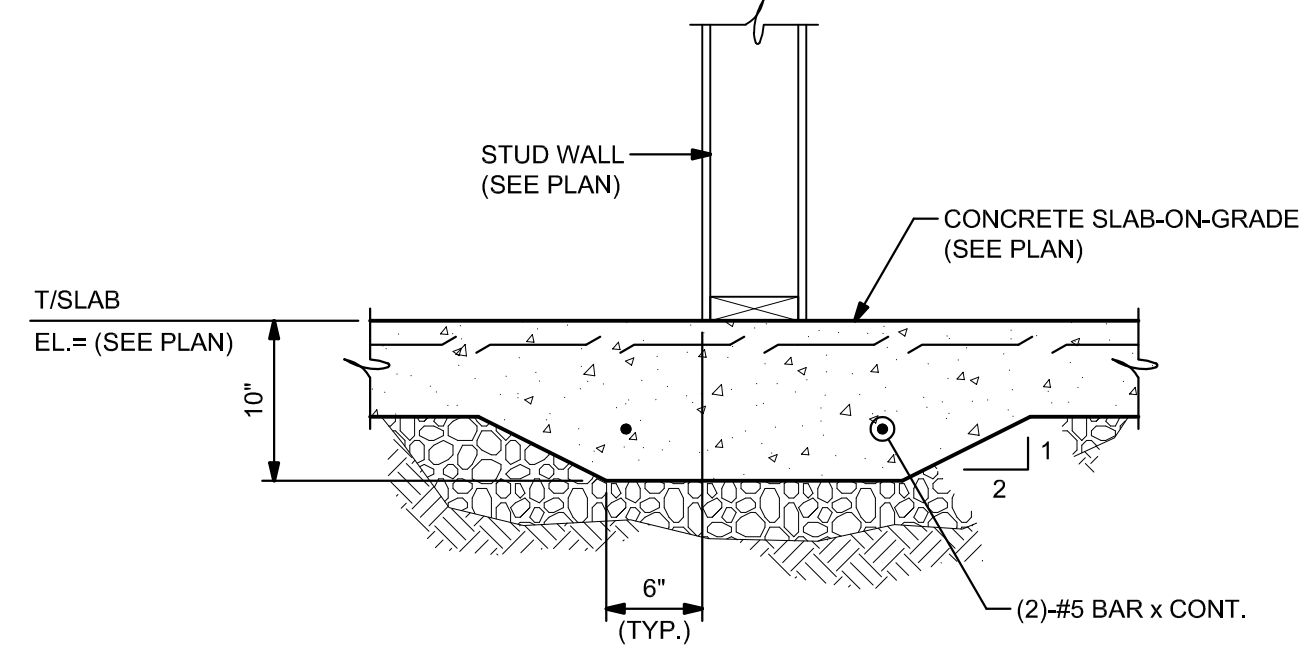
SECTION 5
1" = 1'-0"



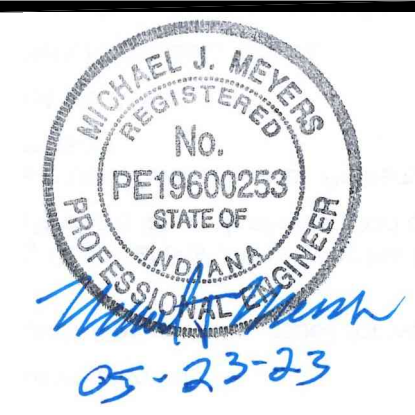
SECTION 4
1" = 1'-0"



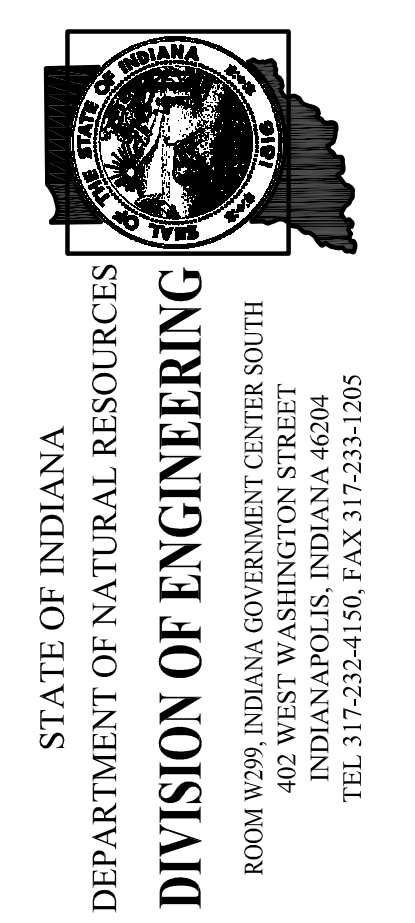
SECTION 3
1" = 1'-0"



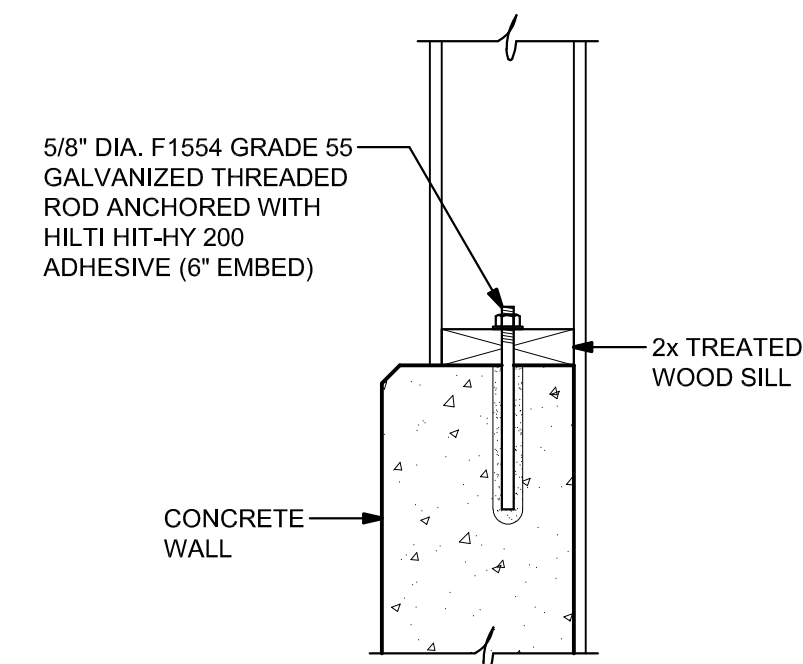
SECTION 6
1" = 1'-0"



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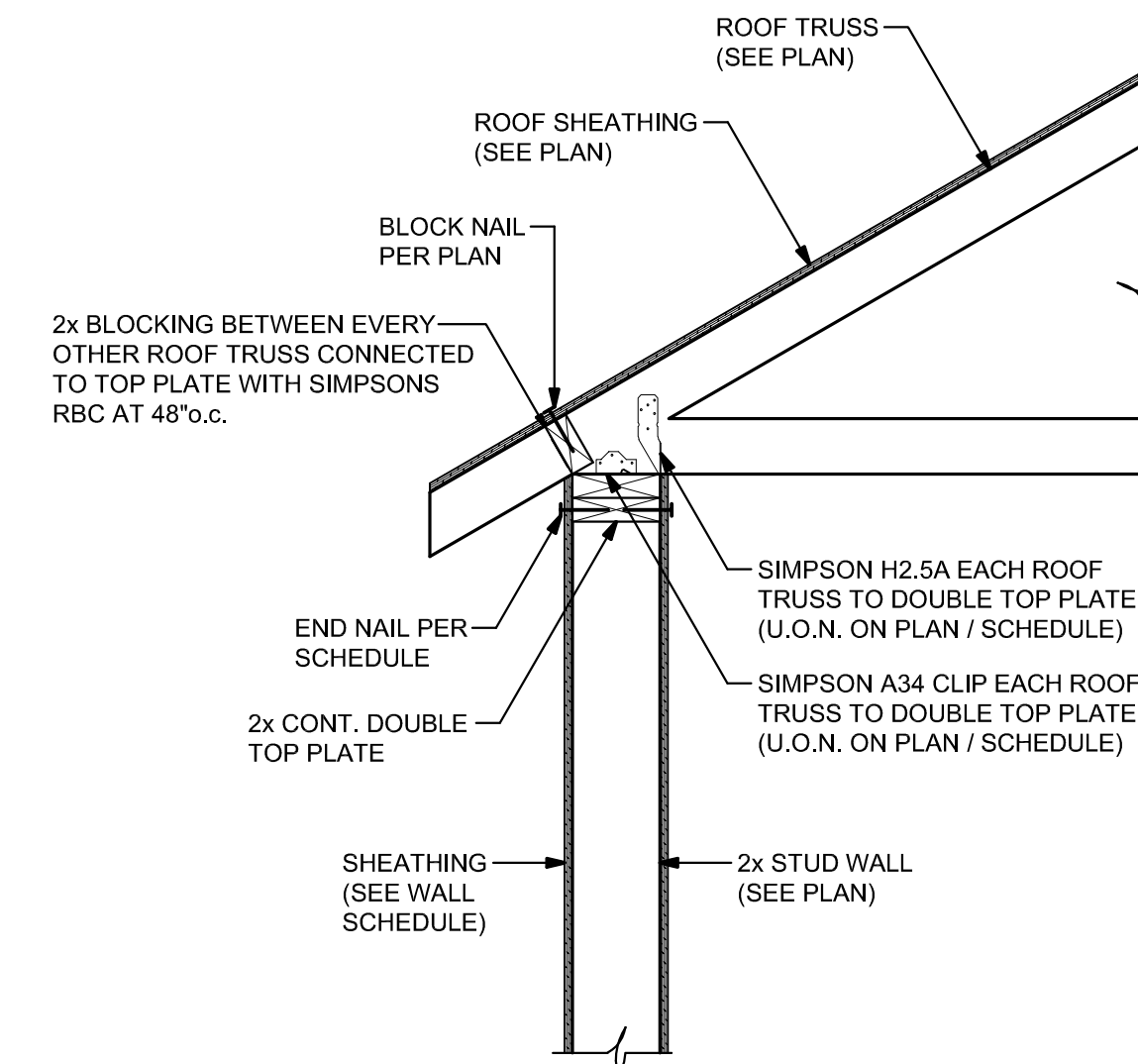
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Drawing Number:	S-6
Sheet:	19 of 31



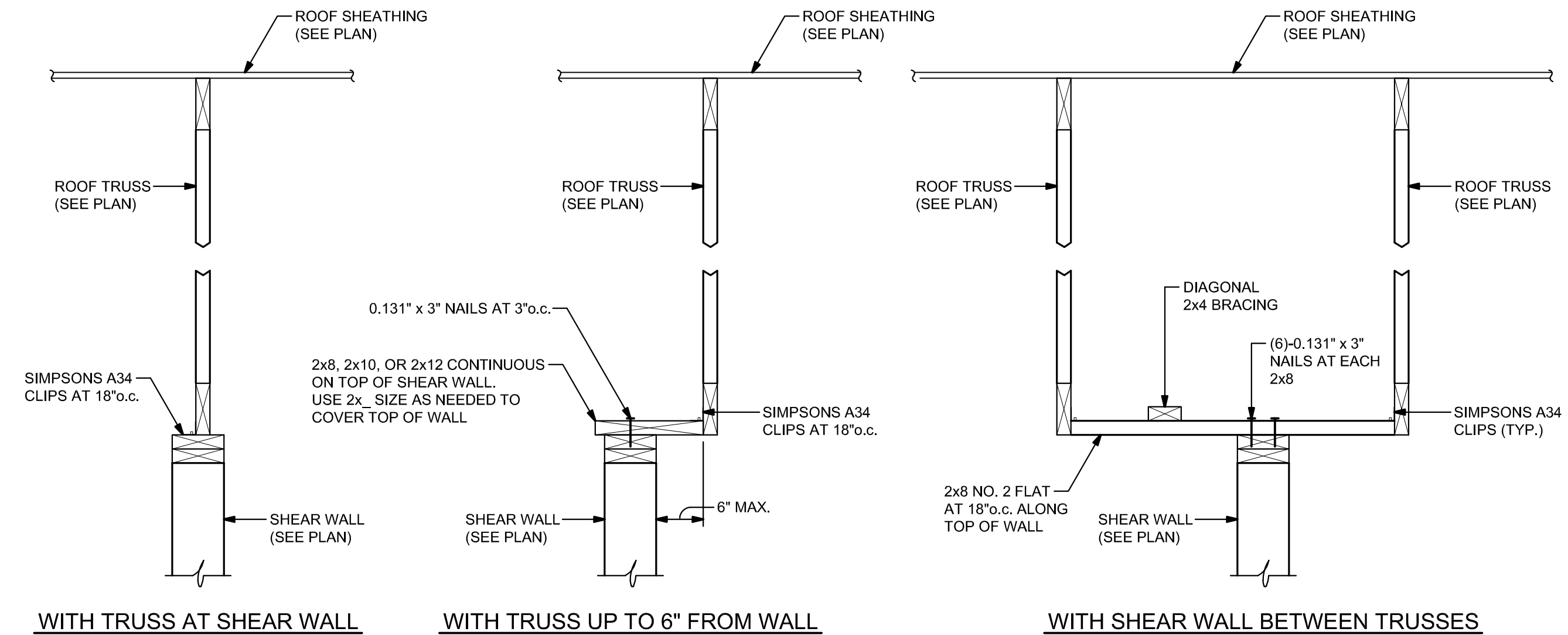
NOTES:

- SEE WALL SCHEDULE FOR ANCHOR SPACING.
- SEE OPENING SCHEDULE AND TYPICAL OPENING DETAIL FOR ADDITIONAL ANCHORS AT WALL OPENINGS.
- AT INTERIOR WALLS CENTER ANCHOR ROD AND WOOD SILL ON CONCRETE WALL BELOW. SEE ARCHITECTURAL WALL SECTIONS.
- CAST-IN ANCHOR RODS MAYBE SUBSTITUTED OR POST-INSTALLED ANCHORS. PROVIDE 5/8" DIA. ASTM A307 GALVANIZED BOLTS OR ASTM F1554 GRADE 55 THREADED RODS WITH A HEAVY HEX NUT TACK WELDED TO THE ROD AT THE BOTTOM. PROVIDE AT LEAST 6" OF EMBEDMENT. DO NOT FLOAT IN ANCHOR RODS AFTER CONCRETE PLACEMENT.

TYPE 'A' SILL ANCHOR



TRUSS TO WALL / BEAM BEARING



NOTES:

- THE TRUSS DESIGNER SHALL DESIGN THE TRUSSES AT SHEAR WALLS AS DRAG-STRUTS. SEE ROOF FRAMING PLAN FOR DRAG STRUT LOCATIONS AND FORCES.
- THIS DETAIL MUST BE USED FOR ALL SHEAR WALLS WITH ROOF TRUSSES PARALLEL TO THEM.

TYPICAL SHEAR WALL CONNECTION TO ROOF WITH TRUSS PARALLEL

MARK	STUDS				SHEATHING				NAILING				SILL ANCHORAGE (U.O.N.)		
	SIZE	MATERIAL	GRADE	SPACING (IN)	BLOCKED	SIDES	MATERIAL	THICKNESS (IN)	GRADE	EDGE / BOUNDARY	FIELD	TYPE	SPACING (IN)	TYPE	SPACING (IN)
W1	2x8	SPF	#2	16	BLOCK AT MIDSPAN	BOTH	WOOD STRUCTURAL PANEL - SEE NOTE 5	15/32	SHEATHING	10d COMMON NAILS AT 6" O.C.	10d COMMON NAILS AT 12" O.C.	A	48	A	SEE NOTE 4
W2	2x6	SPF	#2	16	BLOCK AT MIDSPAN	BOTH	WOOD STRUCTURAL PANEL - SEE NOTE 5	15/32	SHEATHING	10d COMMON NAILS AT 6" O.C.	10d COMMON NAILS AT 12" O.C.	A	48	A	SEE NOTE 4
W3	2x6	SPF	#2	16	BLOCK AT MIDSPAN	BOTH	WOOD STRUCTURAL PANEL - SEE NOTE 5	15/32	SHEATHING	10d COMMON NAILS AT 6" O.C.	10d COMMON NAILS AT 12" O.C.	A	48	A	SEE NOTE 4
W4	2x4	SPF	#2	16	UNBLOCKED		GYPSUM BOARD (SEE ARCHITECTURAL FOR BALANCE OF INFORMATION)			SEE ARCHITECTURAL		A	48		

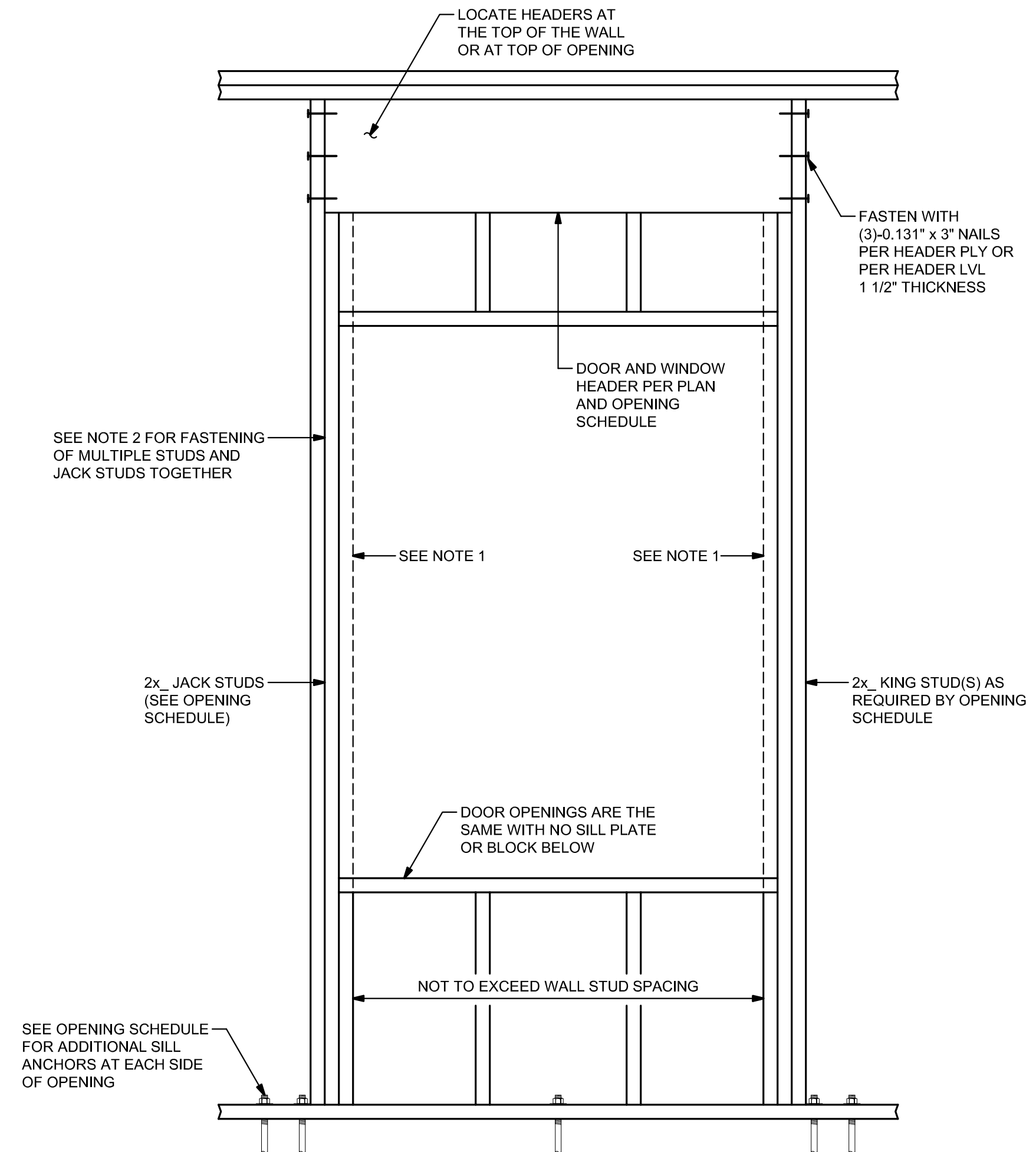
NOTES:

- EDGE BOUNDARY NAILS SHALL BE INSTALLED AT THE PERIMETER OF EACH SHEATHING PANEL.
- WALL PANEL SHEATHING PANEL JOINTS DO NOT NEED TO BE STAGGERED.
- SEE OPENING SCHEDULE FOR ADDITIONAL SILL ANCHOR.
- PROVIDE (2)-SILL ANCHORS AT 12" O.C. AT EACH END OF WALL WHERE INDICATED.
- BASE BID: PROVIDE PLYWOOD SHEATHING AT ALL WALL LOCATIONS. ALTERNATE NO. 3: PROVIDE OSB OR PLYWOOD SHEATHING. PLYWOOD SHEATHING IS REQUIRED AT THE FOLLOWING LOCATIONS.
 - ON EXTERIOR FACE OF ALL EXTERIOR WALLS.
 - ON INTERIOR FACE OF ALL WALLS IN THE DRIVE THROUGH WASH BAY.

MARK	MAX SPAN (FT)	(QUANTITY) - SIZE	LINTELS		JACK STUDS		KING STUDS		SILL ANCHORS (EACH SIDE)		
			MATERIAL	GRADE	QUANTITY (EACH SIDE)	QUANTITY (EACH SIDE)	TYPE	QUANTITY	SPACING (IN)		
L1	3	(2) - 2x4	SPF	#2	1	1	-	-	-	-	-
L2	6	(2) - 2x10	SPF	#2	1	2	A	1	-	-	
L3	12	(1) - 5 1/2x12	LVL MICROLAM	1.9E 2600Fb	2	2	A	2	12	-	
L4	20	(1) - 5 1/2x16	LVL MICROLAM	1.9E 2600Fb	2	3	A	3	12	-	

NOTE:

- SEE TYPICAL WALL OPENING DETAIL FOR ADDITIONAL DETAILS.



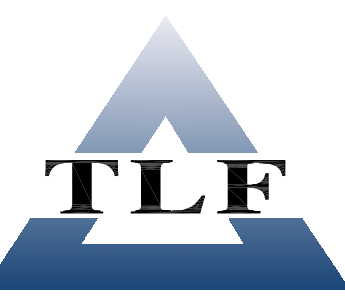
NOTES:

- ADDITIONAL INSIDE JACK STUD AS REQUIRED BY OPENING SCHEDULE.
- FASTEN DOUBLE STUDS TOGETHER WITH 0.131" x 3" NAILS AT 6" O.C. UNLESS OTHERWISE NOTED. FOR MORE THAN TWO STUDS, FASTEN IN THE SAME WAY NAILING AS EACH STUD IS ADDED.

TYPICAL WALL OPENING

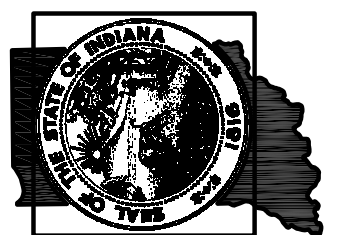


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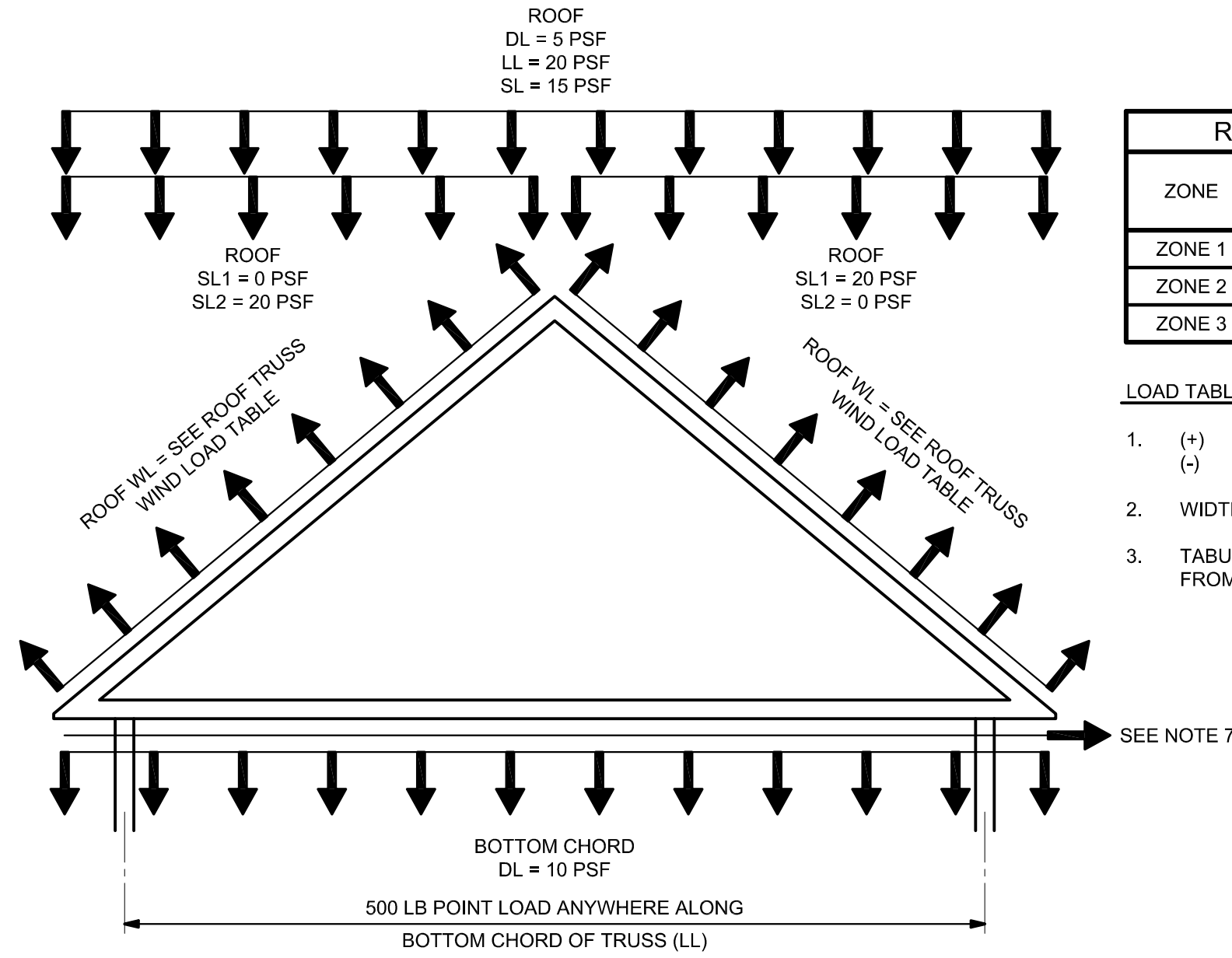
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Client Approval:

File Number: 129-004

Drawing Number: S-7

Sheet: 20 of 31



ROOF TRUSS WIND LOAD TABLE			
ZONE	POSITIVE PRESSURE (PSF)	NEGATIVE PRESSURE (PSF)	OVERHANG (PSF)
ZONE 1	27	-36	N/A
ZONE 2	27	-51	-71
ZONE 3	27	-73	-109

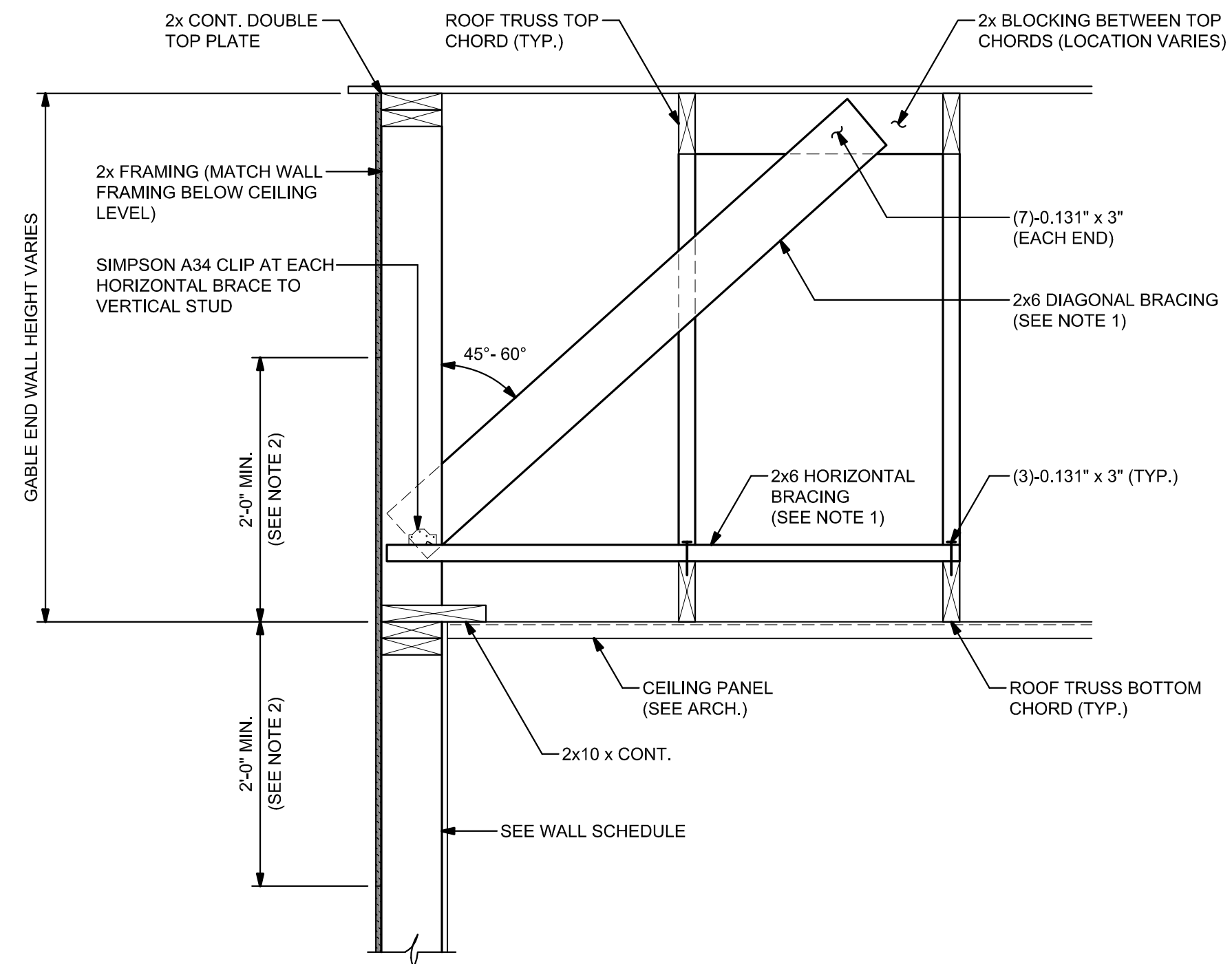
LOAD TABLE NOTES:

- (+) INDICATES WIND LOADING INTO THE ROOF.
(-) INDICATES UPLIFT WIND LOADING AWAY FROM THE ROOF.
- WIDTH OF EDGE ZONE ("a") SHALL BE 3'-10".
- TABULATE OVERHANG LOADS INCLUDE PRESSURE CONTRIBUTION FROM BOTH UPPER AND LOWER SURFACES.

NOTES:

- ALL LOADS UNFACTORED. WIND LOADS INDICATED ARE AT LRFD LEVELS AS CALCULATED IN ASCE 7.
- INDICATED LOADS DO NOT INCLUDE TRUSS SELF-WEIGHT. TRUSSES SHALL BE DESIGNED FOR THE INDICATED LOADS PLUS THE WEIGHT OF THE TRUSSES.
- LIMIT LIVE LOAD DEFLECTIONS TO L/360 AND TOTAL LOAD DEFLECTIONS TO L/240.
- DL INDICATES DEAD LOAD
LL INDICATES LIVE LOAD
SL INDICATES BALANCED ROOF SNOW LOAD
SL1 INDICATES UNBALANCED ROOF SNOW LOAD CASE 1
SL2 INDICATES UNBALANCED ROOF SNOW LOAD CASE 2
WL INDICATES WIND LOAD
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- AVAILABLE BEARING LENGTH ON WALL IS 5 1/2" OR GREATER WITH AN ALLOWABLE BEARING STRESS OF 425 PSI.
- DESIGN TRUSSES WHERE INDICATED TO TRANSFER HORIZONTAL WIND LOAD FROM THE ROOF DECK DOWN TO THE SHEAR WALL BELOW. SEE ROOF FRAMING PLAN FOR LOCATIONS AND LOADING.
- SEE ARCHITECTURAL DRAWINGS FOR TRUSS GEOMETRICAL REQUIREMENTS.
- DESIGN TRUSS WHERE INDICATES FOR AN ADDITIONAL DEAD LOAD OF 3PSF OF TRUSS AREA FOR ADDITION OF GYPSUM BOARD ON SIDE OF TRUSS. SEE ARCHITECTURAL DETAILS.

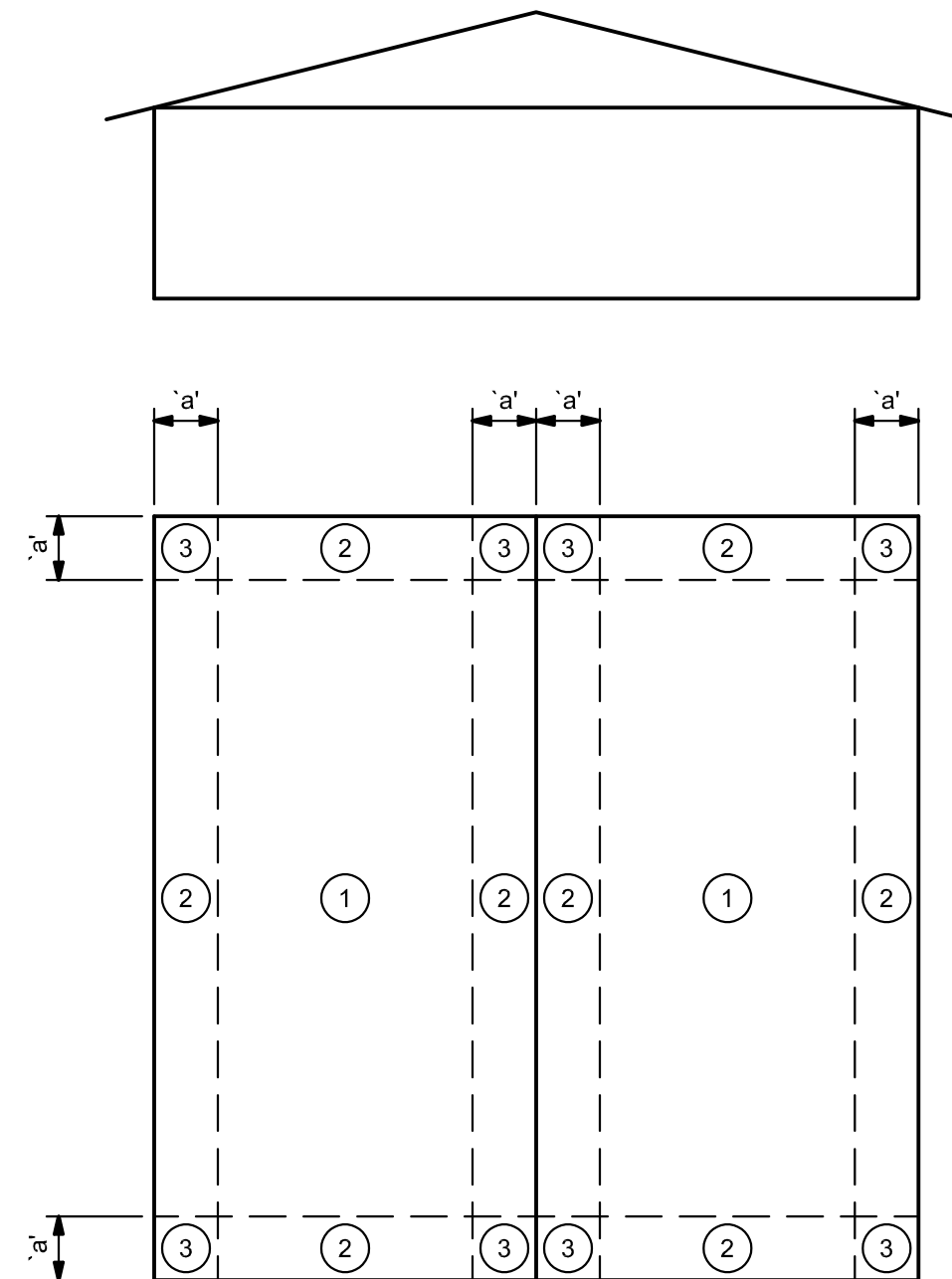
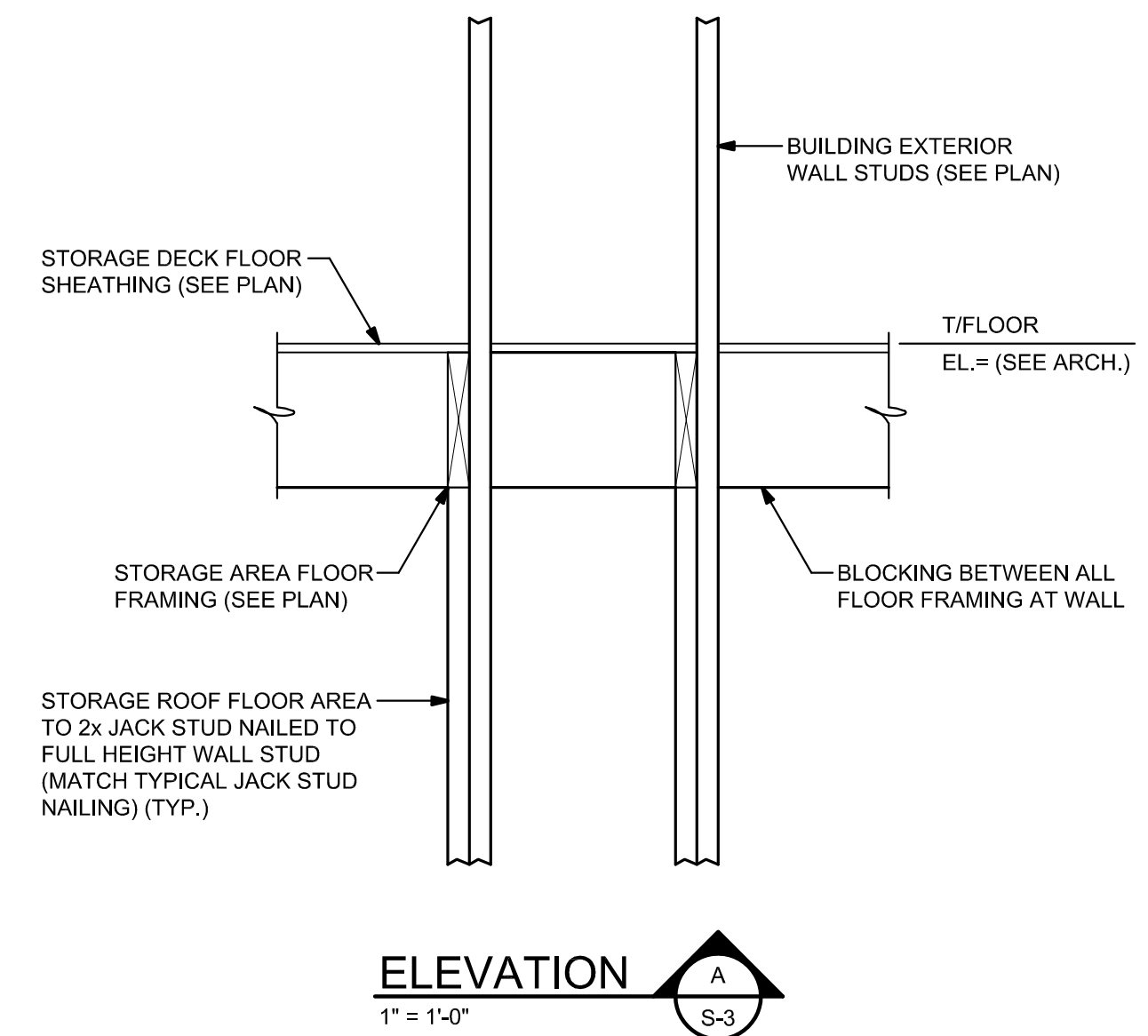
ROOF TRUSS LOADING DIAGRAM



NOTES:

- BRACING LENGTH VARIES WITH GABLE END WALL HEIGHT. HORIZONTAL BRACING TO MATCH GABLE END WALL HEIGHT (MINIMUM) AND TERMINATE AT NEXT TRUSS BOTTOM CHORD. SEE PLAN FOR LOCATIONS AND SPACING.
- EXTERIOR WALL SHEATHING PANELS SHALL EXTEND A MINIMUM OF 2'-0" TO BOTH SIDES OF CEILING LEVEL.

SECTION 1
1" = 1'-0"

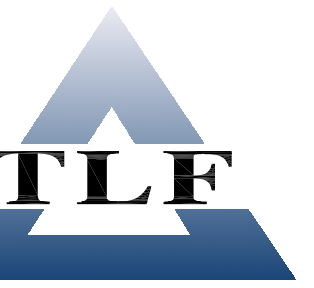


(FOR GABLE ROOFS <= 45° AND MONOSLOPE ROOF <= 60 FT.)

ROOF ZONES FOR BUILDING WITH h <= 60 FT.



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05/24/23

Drafter: Drawing Scale:
AS NOTED

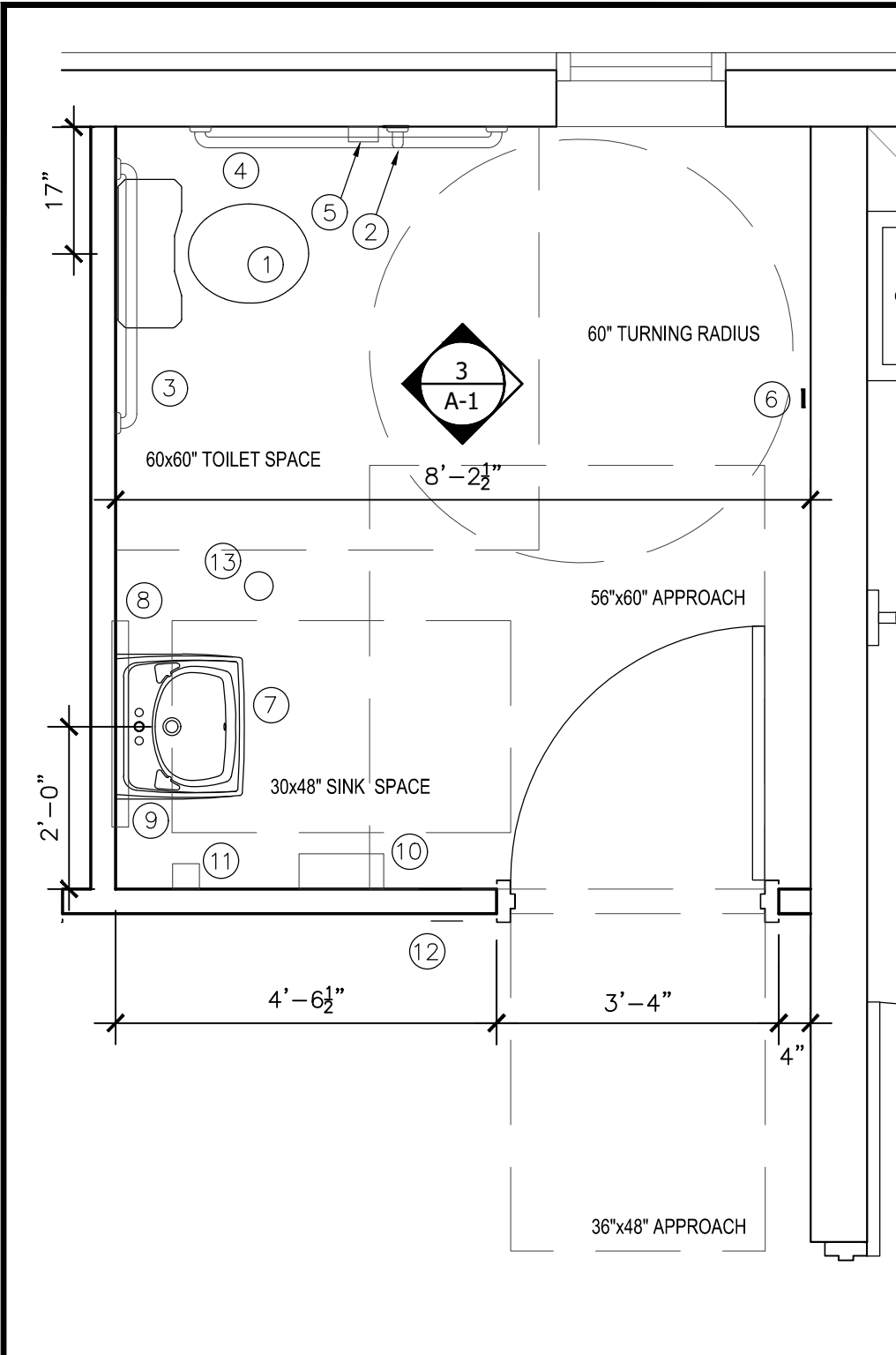
DNR Approval:

Client Approval:

File Number:
129-004

Drawing Number:
S-8

Sheet: **21** of **31**



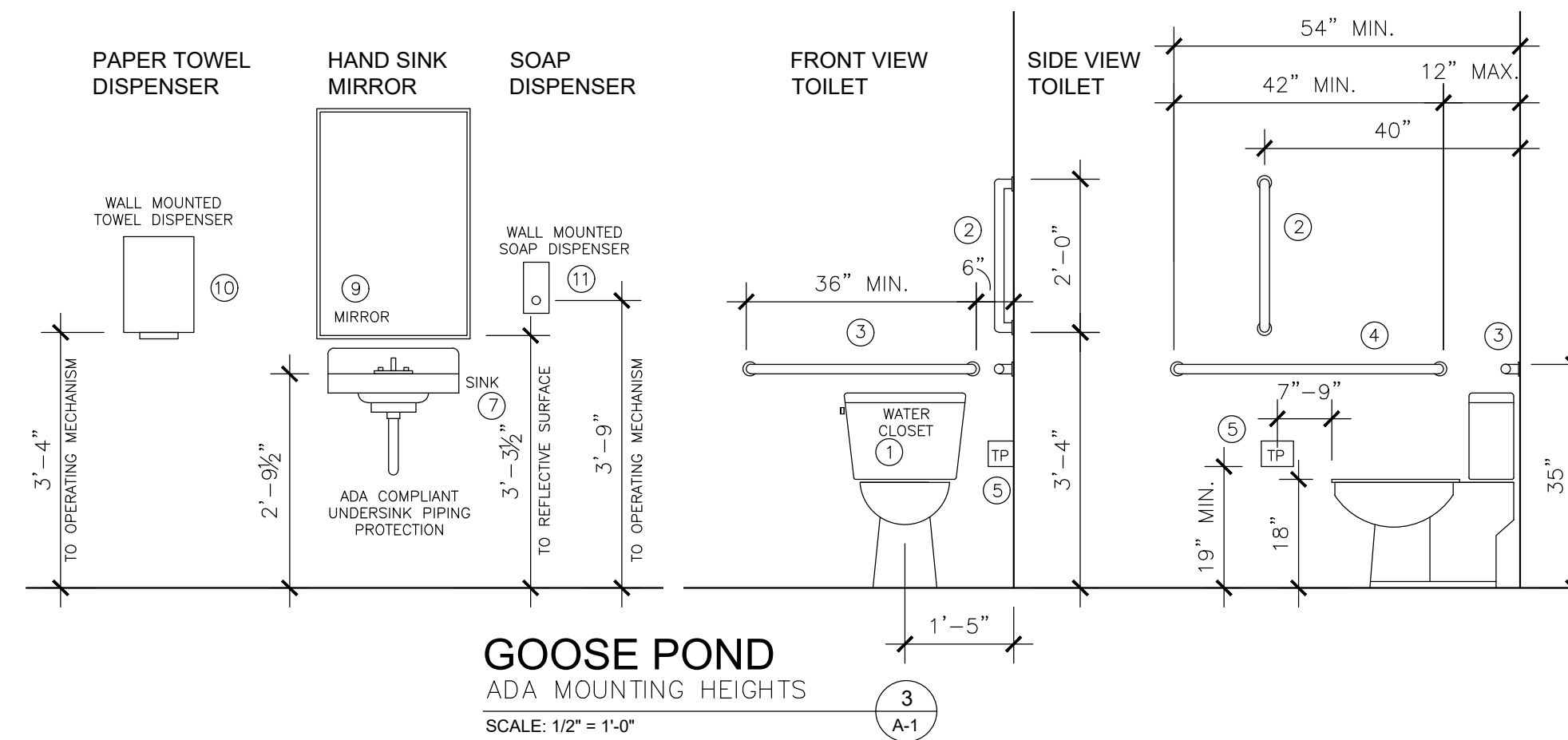
ACCESSORY / EQUIPMENT INDEX

- SEE P-1 FOR SPECIFIC FIXTURE INFORMATION
MOUNTING LOCATIONS PER 3/A-1. PROVIDE WOOD BLOCKING AS REQ'D.
- ADA WATER CLOSET: SEAT TOP MOUNT AT 18" A.F.F.,
 - VERTICAL GRAB BAR: 18" LONG, BOBRICK OR EQUAL.
 - HORIZONTAL GRAB BAR: 36" LONG, BOBRICK OR EQUAL.
 - HORIZONTAL GRAB BAR: 42" LONG, BOBRICK OR EQUAL.
 - TOILET TISSUE HOLDER: BOBRICK B-265 OR EQUAL
 - STAINLESS STEEL HOOKS, MOUNT AT 44" A.F.F.
 - LAVATORY: TOP AT 2'-9 1/2" A.F.F.
 - GFCI RECEPTACLE LOCATED AT 38" A.F.F.
 - MIRROR, MOUNT REFLECTIVE SURFACE 39 1/2" A.F.F. MAXIMUM BOBRICK OR EQUAL 18"x36"
 - PAPER TOWEL DISPENSER, BY OWNER, MOUNT PER 3/A-1.
 - SOAP DISPENSER, BY OWNER, MOUNT PER 3/A-1.
 - ADA SIGNAGE, REFER TO 4/A1.
 - FLOOR DRAIN, REFER TO PLUMBING.

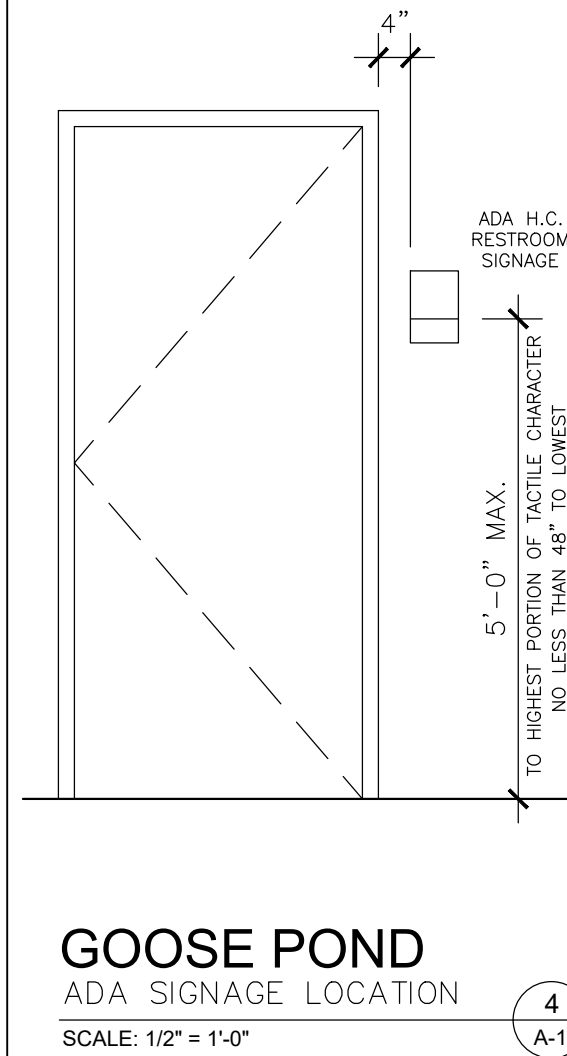
GOOSE POND
ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"

ADA NOTES:

- 4.19 LAVATORIES AND MIRRORS**
- 4.19.1 GENERAL. THE REQUIREMENTS OF 4.19 SHALL APPLY TO LAVATORY FIXTURES, VANITIES, AND BUILT-IN LAVATORIES
- 4.19.2 HEIGHT AND CLEARANCES. LAVATORIES SHALL BE MOUNTED WITH TH RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON. KNEE AND TOE CLEARANCE SHALL COMPLY WITH FIGURE 31.
- 4.19.3 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE 30" BY 48" COMPLYING WITH 4.2.4 SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19" UNDERNEATH THE LAVATORY (SEE FIGURE 32)
- 4.19.4 EXPOSED PIPES AND SURFACES. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- 4.19.5 FAUCETS. FAUCETS SHALL COMPLY WITH 4.27.4. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.
- 4.19.6 MIRRORS. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 39 1/2" ABOVE THE FINISH FLOOR



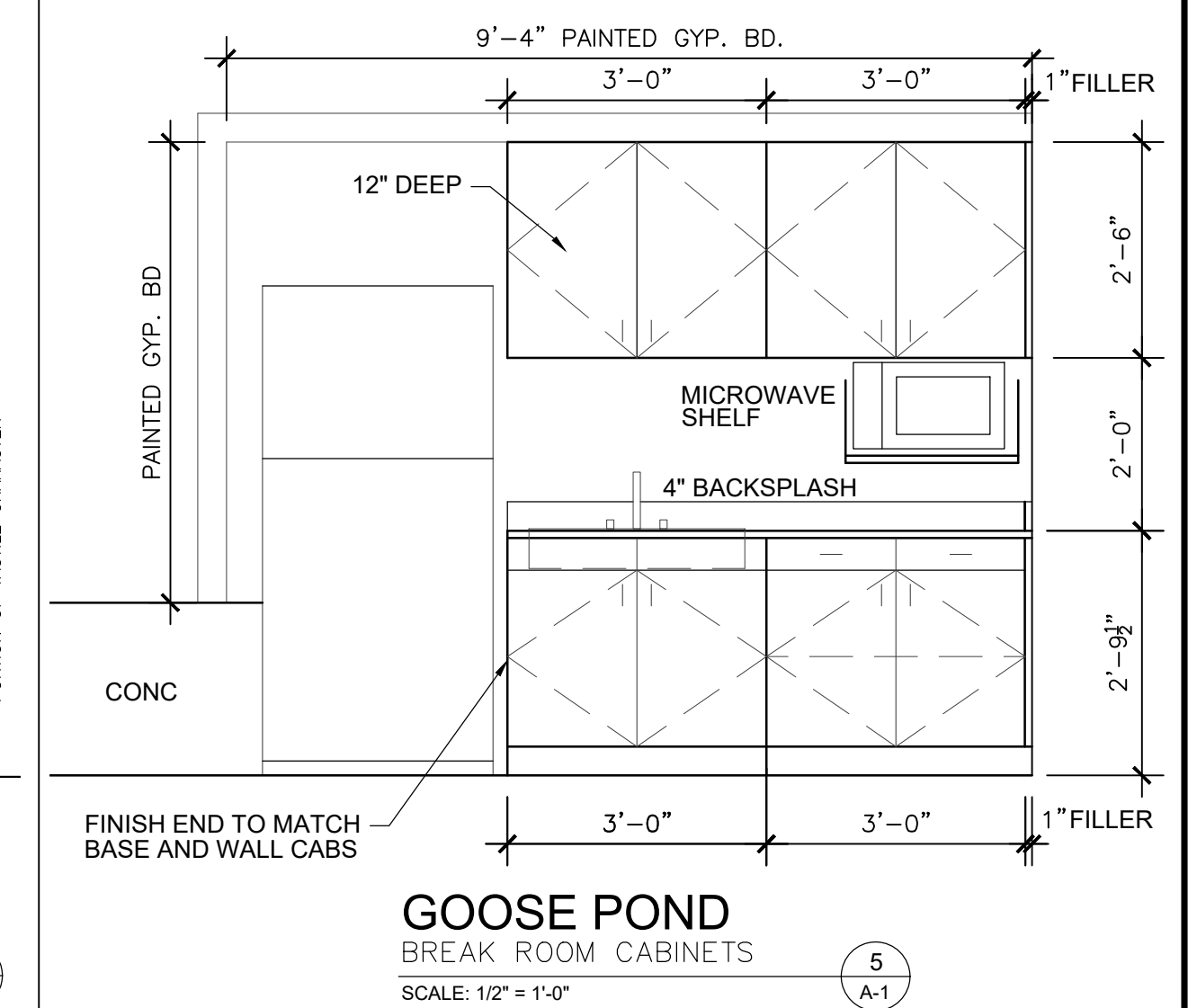
GOOSE POND
ADA MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"



GOOSE POND
ADA SIGNAGE LOCATION
SCALE: 1/2" = 1'-0"

BREAKROOM NOTES:

- MICROWAVE AND REFRIGERATOR PROVIDED BY THE OWNER.
- REGENCY 24" X 18" STAINLESS STEEL MICROWAVE SHELF OR EQUAL.
- PLASTIC LAMINATE COUNTERTOPS AND CABINETS. REFER TO SPECIFICATIONS.
- ADD 1/2" MR GYP. BD. IN AREA SHOWN TO PROVIDE FLUSH SURFACE WITH CONCRETE STUB WALL. ADD 1x4 PAINTED WOOD TRIM AROUND PERIMETER SIM. TO DETAIL 3A/A-4.



GOOSE POND
BREAK ROOM CABINETS
SCALE: 1/2" = 1'-0"

FLOOR PLAN KEYNOTES:

- 6-INCH DIA STEEL PIPE BOLLARDS (4 PER DOOR TYP), REFER TO STRUCTURAL
- DOWNSPOUTS WITH SPLASH BLOCK.
- 6" TRENCH DRAIN. REFER TO PLUMBING. FLOOR SLAB TO SLOPE TO DRAINS. REFER TO STRUCTURAL.
- CONCRETE APRON. REFER TO STRUCTURAL.
- EYE WASH / SAFETY SHOWER. REFER TO PLUMBING
- MOP SINK. REFER TO PLUMBING
- CASEWORK. REFER TO DETAIL 5/A-1.
- 8' LONG WORK BENCH LOCATIONS. REFER TO 7/A-5.
- LOCATIONS FOR OWNER PROVIDED FIRE EXTINGUISHER.
- ELECTRICAL PANELS. REFER TO ELECTRICAL
- WATER HEATER. REFER TO PLUMBING
- METAL CLAD WINDOW. REFER TO SCHEDULE ON A-1.
- LOCATION OF OWNER PROVIDED LOCKERS.
- MECHANICAL UNIT. REFER TO MEP.
- AIR COMPRESSOR LOCATION. REFER TO MEP.
- AC CONDENSOR ON CONCRETE PAD
- SIGNAGE. REFER TO SCHEDULE

SIGNAGE SCHEDULE:

- TACTILE EXIT SIGNAGE @ ALL EXTERIOR MAN DOORS
- ADA RESTROOM
- MECHANICAL ROOM
- STORAGE ROOM
- HAZARDOUS MATERIALS AREA - EACH DOOR TO MAINTENANCE 106
- (2) EXTERIOR HAZARDOUS MATERIALS PLACARD
- WEIGHT LIMIT ON AREA ABOVE RESTROOM

WALL LEGEND

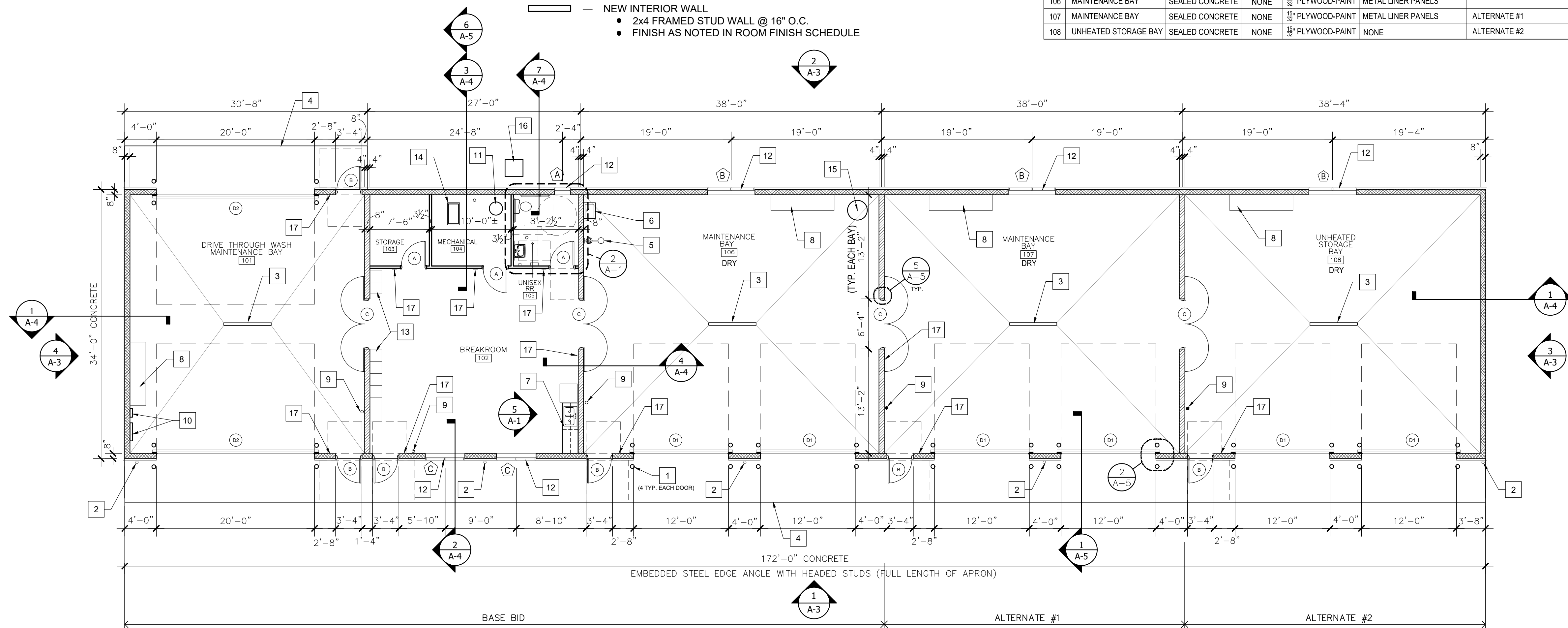
- NEW EXTERIOR WALL ASSEMBLY
 - 24" HIGH 8" POURED CONCRETE WALL (SEE STRUCTURAL)
 - W/ 2X6 OR 2X8 FRAMED WALL @ 16" O.C. ABOVE (SEE STRUCTURAL)
 - R-19 BATT INSULATION
 - SHEATHING BOTH SIDES OF FRAMING (SEE STRUCTURAL)
 - REFER TO ROOM FINISH SCHEDULE FOR INTERIOR SIDE FINISH
 - 1" RIGID INSULATION
 - WEATHER BARRIER
 - METAL SIDING
- NEW INTERIOR SHEAR WALL
 - 24" HIGH 8" POURED CONCRETE WALL (SEE STRUCTURAL)
 - W/ 2X6 FRAMED WALL @ 16" O.C. ABOVE
 - SHEATHING ON BOTH SIDES (SEE STRUCTURAL).
 - FINISH AS NOTED IN ROOM FINISH SCHEDULE
- NEW INTERIOR WALL
 - 2x4 FRAMED STUD WALL @ 16" O.C.
 - FINISH AS NOTED IN ROOM FINISH SCHEDULE

WINDOW SCHEDULE

- A SIZE: 2'-0" Wx 3'-0" H - SILL 4'-2"
- B SIZE: 6'-0" Wx 4'-6" H - SILL 3'-0"
- C SIZE: 5'-0" Wx 4'-6" H - SILL 3'-0"

FINISH SCHEDULE

#	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
101	D.T MAINTENANCE BAY	SEALED CONCRETE	NONE	FRP	METAL LINER PANELS	
102	BREAKROOM	SEALED CONCRETE	NONE	PLYWOOD-PAINT	METAL LINER PANELS	
103	STORAGE	SEALED CONCRETE	NONE	PLYWOOD-PAINT	NONE	
104	MECHANICAL	SEALED CONCRETE	NONE	PLYWOOD-PAINT	NONE	NO FINISH SOUTH WALL, OPEN
105	UNISEX RESTROOM	SEALED CONCRETE	NONE	1/2" GYP. BD. PAINT	1/2" GYP. BD. PAINT	
106	MAINTENANCE BAY	SEALED CONCRETE	NONE	PLYWOOD-PAINT	METAL LINER PANELS	
107	MAINTENANCE BAY	SEALED CONCRETE	NONE	PLYWOOD-PAINT	METAL LINER PANELS	ALTERNATE #1
108	UNHEATED STORAGE BAY	SEALED CONCRETE	NONE	PLYWOOD-PAINT	NONE	ALTERNATE #2



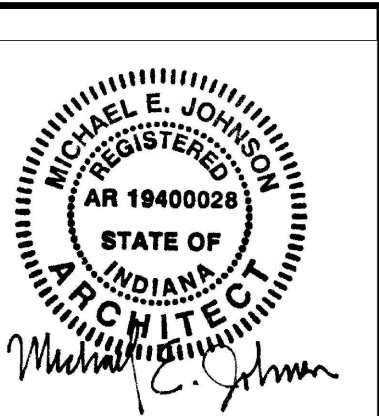
LEGEND

- D2 DOOR - REFER TO A-5
- B WINDOW - REFER TO A-1
- 4 A-3 ELEVATIONS
- 3 A-4 SECTIONS
- 3 KEYNOTES

GOOSE POND

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

0 1 2 4 8 12'



Confirmed by:

F&W Maintenance Building - Goose Pond
Goose Pond Fish & Wildlife Area
DEPT. OF NATURAL RESOURCES
13540 W County Road 400 S
Linton, IN 47441



STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
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Revisions:

Project Number:
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MEJ
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NS
Drawing Scale:
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DNR Approval:

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File Number:

129-004

Drawing Number:

A-1

Sheet:

22 of 31

BUILDING CODE CEILING NOTES:

SECTION 1209.2 ATTIC SPACES
AN OPENING NOT LESS THAN 20"x30" SHALL BE PROVIDED TO AN ATTIC AREA HAVING A CLEAR HEIGHT OF OVER 30". CLEAR HEADROOM OF NOT LESS THAN 30" INCHES SHALL BE PROVIDED IN THE ATTIC SPACE AT OR ABOVE THE ACCESS OPENING.

SECTION 718.4 DRAFTSTOPPING IN ATTICS IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE ATTIC SPACES AND CONCEALED ROOF SPACES IN THE LOCATIONS PRESCRIBED IN SECTION 718.4.2 AND 718.4.3.

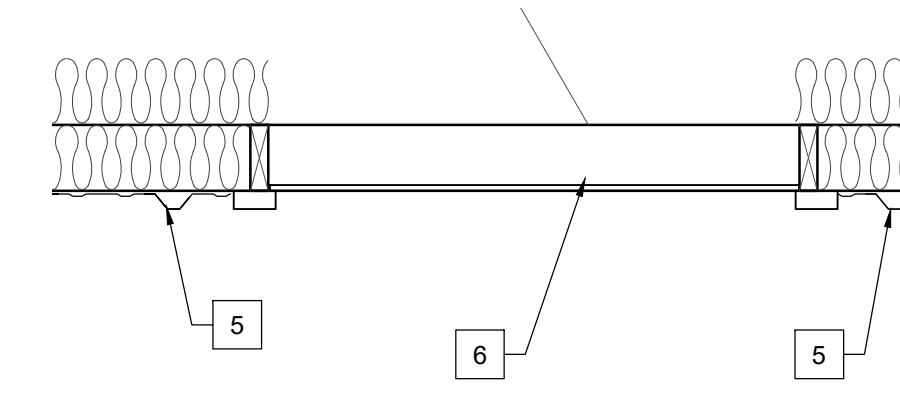
718.4.1.1 OPENINGS:
OPENINGS IN THE PARTITIONS SHALL BE PROTECTED BY SELF-CLOSING DOORS WITH AUTOMATIC LATCHES. CONSTRUCTED AS REQUIRED FOR THE PARTITIONS.

718.4.3 OTHER GROUPS
DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET.

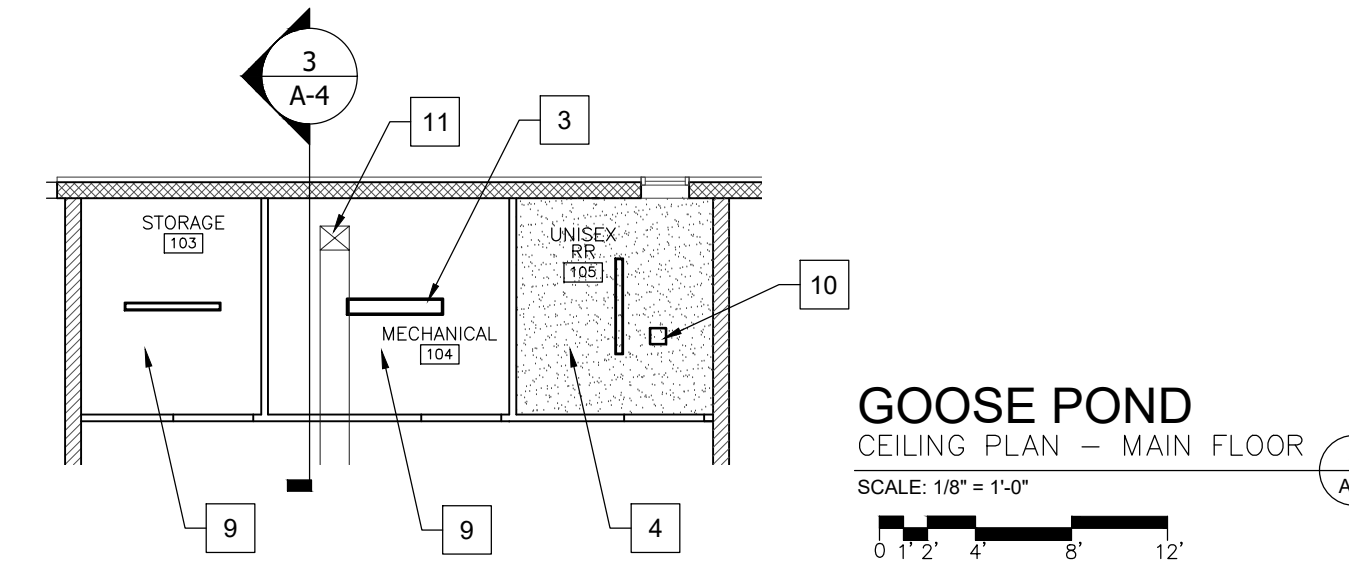
718.3.1 DRAFTSTOPPING MATERIALS
DRAFTSTOPPING MATERIALS SHALL NOT BE LESS THAN 1/2" GYPSUM BOARD, 3/8" WOOD STRUCTURAL PANEL, 5/8" PARTICLE BOARD, 1" NOMINAL LUMBER, CEMENT FIBERBOARD, BATTIS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.

CEILING KEYNOTES:

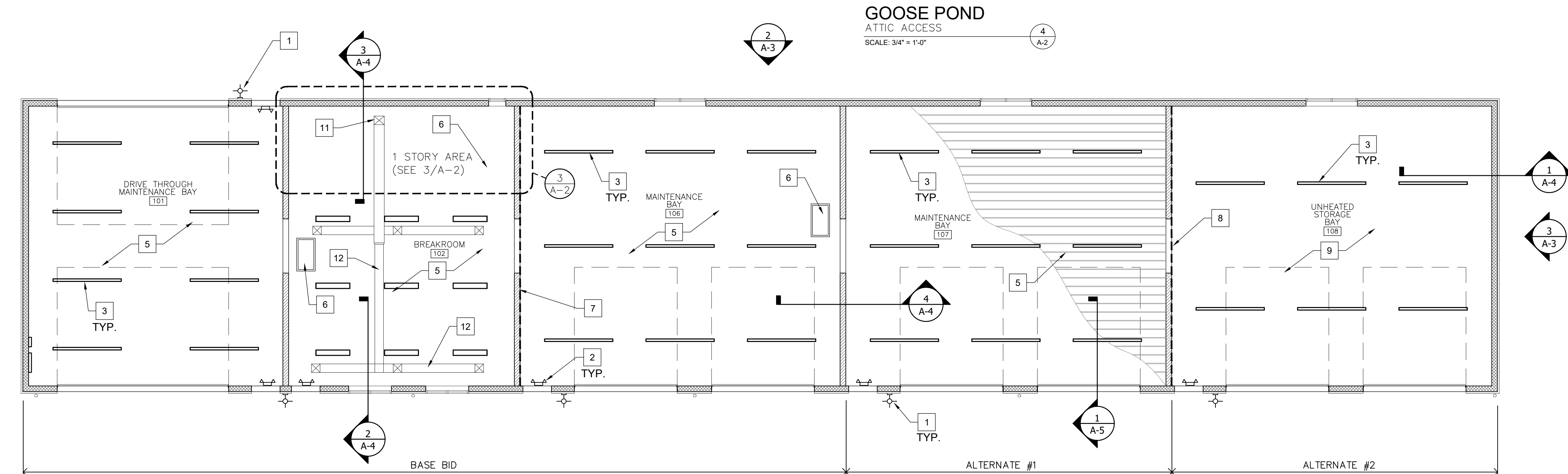
- 1 EXTERIOR LIGHTING (REFER TO ELECTRICAL)
- 2 EMERGENCY LIGHTING (REFER TO ELECTRICAL)
- 3 INTERIOR LIGHTING (REFER TO ELECTRICAL)
- 4 1/2" GYP. BD. CEILING - PAINTED (UNISEX RESTROOM)
- 5 METAL CEILING LINER PANELS (ALL BAYS). COLOR: WHITE PROVIDE MANUFACTURER'S STANDARD TRIM ON PERIMETER.
- 6 ATTIC ACCESS PANEL (22"x42") CENTERED IN TRUSS SPAN. 3/8" PLYWOOD LID WITH 2x4 TRIM AROUND OPENING. SET TRIM TO HOLD PLYWOOD LID. PAINT LID AND TRIM WHITE TO MATCH CEILING. REFER TO 4/A-2
- 7 DRAFTSTOPPING - 1/2" GYP. BD. ON SIDE OF TRUSS FROM ROOF DECK TO CEILING.
- 8 15/32" PLYWOOD ON SIDE OF TRUSS TO CLOSE OFF ATTIC FROM OPEN STORAGE BAY. ADD BULKHEAD IF NECESSARY TO ENCLOSE ATTIC. ALTERNATE #2 ONLY.
- 9 NO CEILING
- 10 EXHAUST FAN. REFER TO MECHANICAL.
- 11 DUCTWORK EXTENDING UP FROM MECHANICAL ROOM BELOW. REFER TO MECHANICAL.
- 12 MECHANICAL DUCTWORK. REFER TO MECHANICAL.



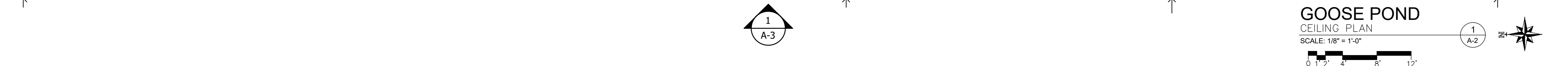
DETAIL @ ACCESS PANEL
SCALE: 3/4" = 1'-0"



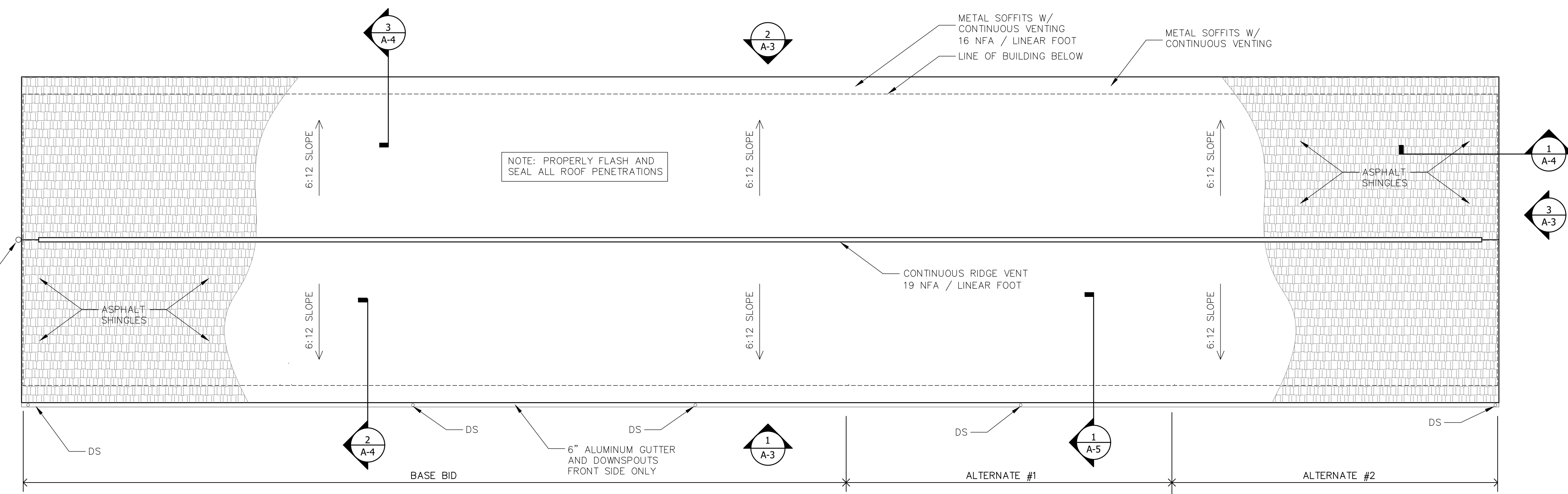
GOOSE POND
CEILING PLAN - MAIN FLOOR
SCALE: 1/8" = 1'-0"



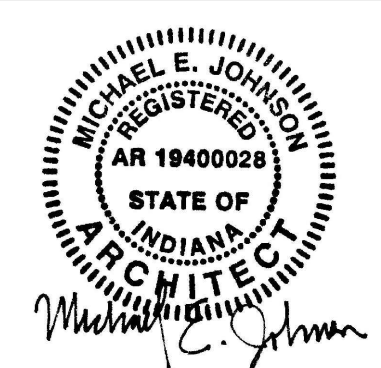
GOOSE POND
ATTIC ACCESS
SCALE: 3/4" = 1'-0"



GOOSE POND
CEILING PLAN
SCALE: 1/8" = 1'-0"



GOOSE POND
ROOF PLAN
SCALE: 1/8" = 1'-0"



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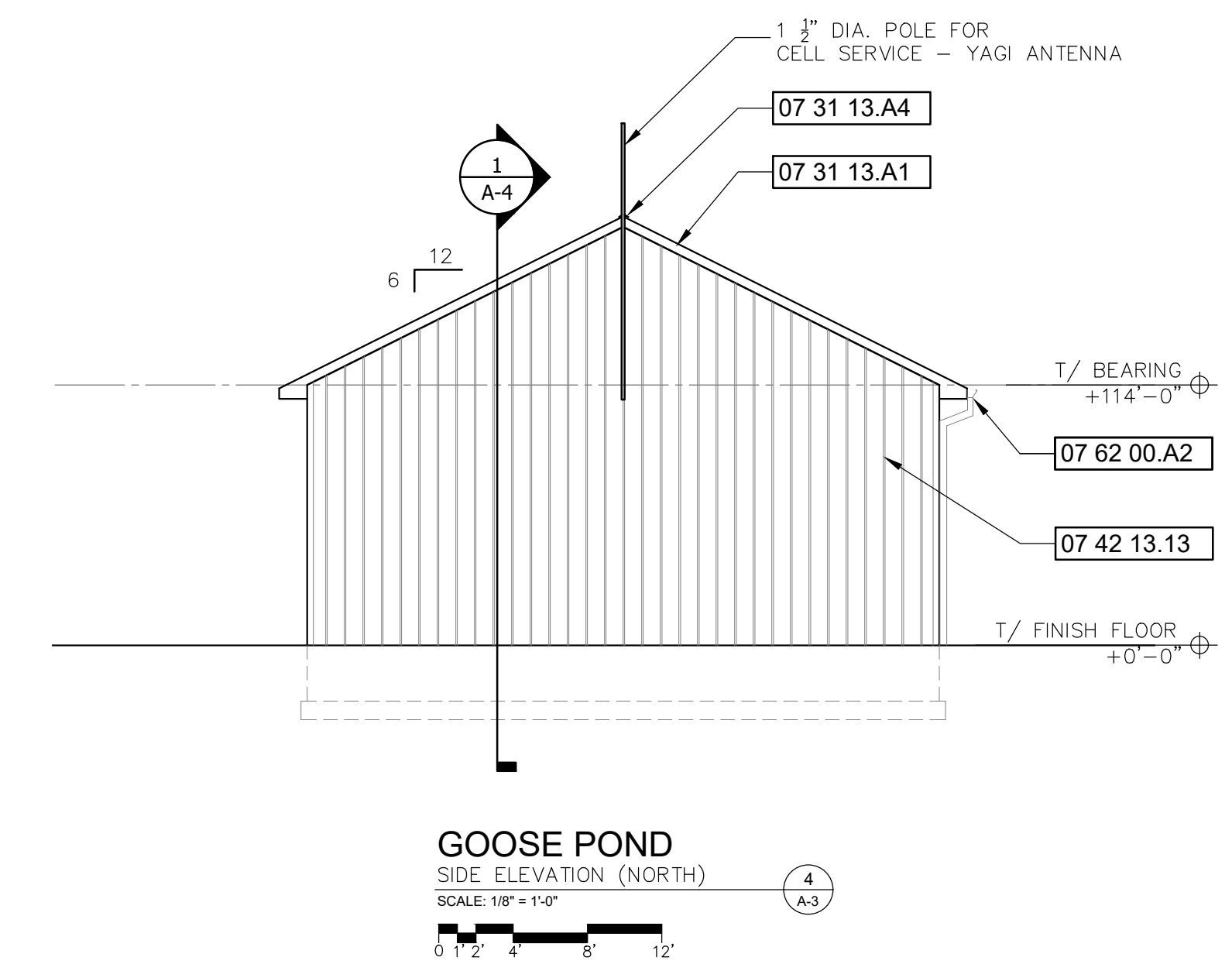
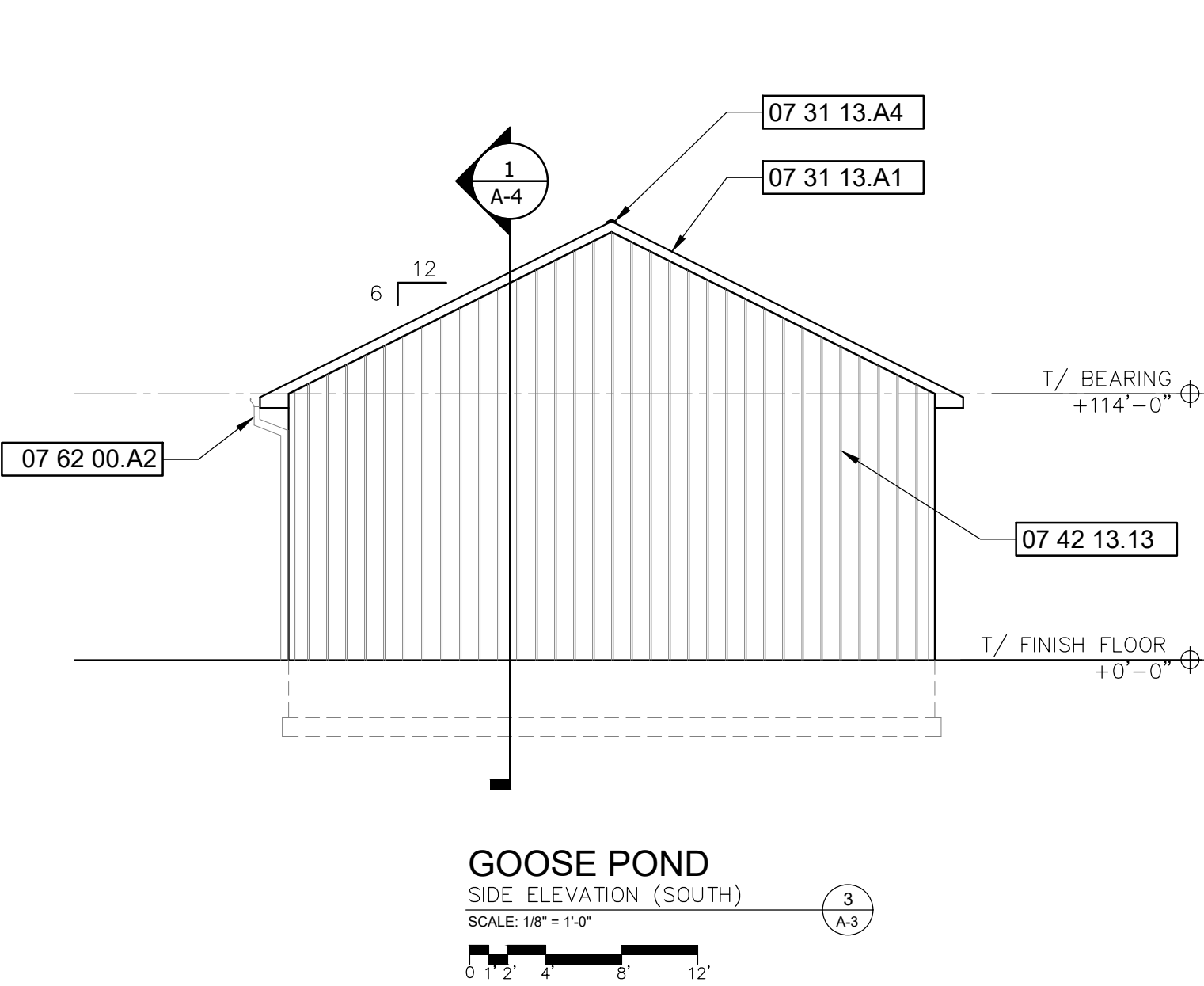
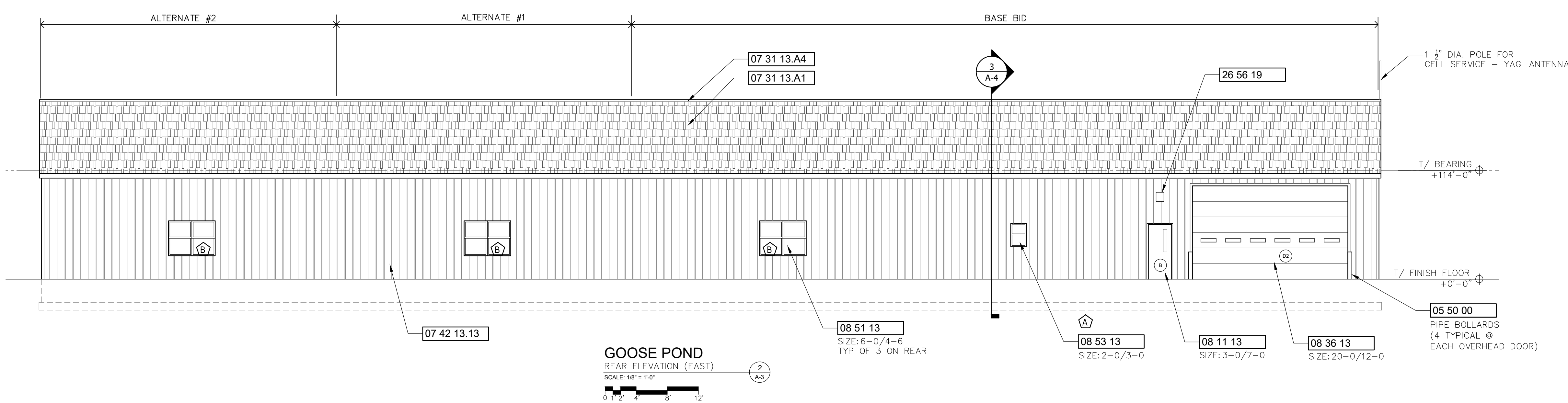
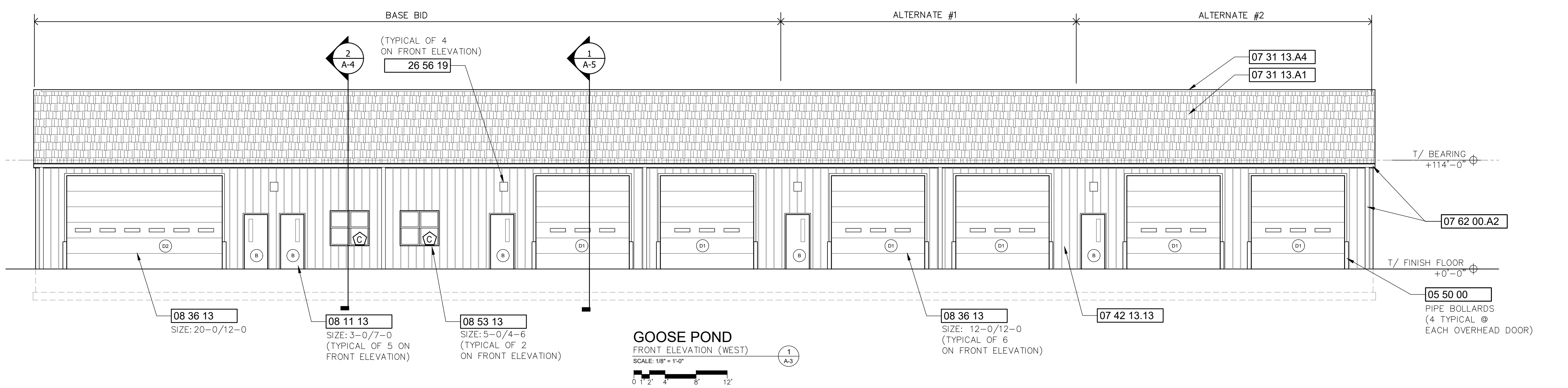
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ENG2002904496
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Designer:
MEJ
Drawing Date:
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Drafter:
NS
Drawing Scale:
AS NOTED

DNR Approval:
Client Approval:

File Number:
129-004

Drawing Number:
A-2
Sheet:
23 of 31



NOTE: ELEVATION IS FOR BASE BID AND ALTERNATES. BUILDING TO HAVE FINISHED END IN ALL SCENARIOS.

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
02 22 10	FILLING AND EXCAVATING
03 20 00	CONCRETE REINFORCING - REFER TO STRUCTURAL
03 30 00	CAST-IN-PLACE CONCRETE - REFER TO STRUCTURAL
04 20 00	ANCHOR BOLTS - REFER TO STRUCTURAL
05 50 00	METAL FABRICATIONS - REFER TO STRUCTURAL
06 10 00	ROUGH CARPENTRY - REFER TO STRUCTURAL
06 10 00.A1	WOOD BLOCKING
06 10 00.A2	WOOD FRAMING 2x8@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A3	WOOD FRAMING 2x6@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A4	WOOD FRAMING 2x4@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A5	2x8 FASCIA
06 10 00.A6	WOOD FRAMING 2x10@ 16" O.C. - REFER TO STRUCTURAL
06 16 00.A1	PLYWOOD SHEATHING - REFER TO STRUCTURAL
06 16 00.A2	15/32" PLYWOOD SHEATHING
06 17 53	SHOP FABRICATED WOOD TRUSSES - SEE STRUCTURAL
06 20 00	FINISH CARPENTRY
06 41 16	PLASTIC LAMINATE CABINETS
06 64 00	PLASTIC PANELING
07 21 00.A1	BATT INSULATION R-19
07 21 00.A2	BATT INSULATION R-38
07 21 13.A1	CONTINUOUS INSULATION R-3.8
07 21 13.A2	CONTINUOUS INSULATION R-15
07 25 00	WEATHER BARRIERS
07 31 13.A1	ASPHALT SHINGLES
07 31 13.A2	FELT UNDERLAYMENT
07 31 13.A3	SELF ADHERING SHEET UNDERLAYMENT
07 31 13.A4	RIDGE VENT
07 42 13.13	METAL SIDING (FORMED METAL WALL PANELS)
07 42 13.13.A	METAL CEILING LINER PANELS
07 42 93	METAL SOFFIT PANELS (VENTILATED)
07 62 00.A1	SHEET METAL FLASHING AND TRIM
07 62 00.A2	SHEET METAL GUTTERS AND DOWNSPOUTS
07 92 00	JOINT SEALANTS
08 11 13	HOLLOW METAL DOORS AND FRAMES
08 36 13	SECTIONAL OVERHEAD STEEL DOORS
08 53 13	ALUM CLAD WINDOWS
08 71 00	DOOR HARDWARE
09 29 00	GYPSUM BOARD
09 90 00	PAINTING
10 14 23.16	IDENTIFICATION PANEL SIGNAGE
12 36 23.13	PLASTIC LAMINATE CLAD COUNTERTOPS
26 56 19	EXTERIOR LIGHTING

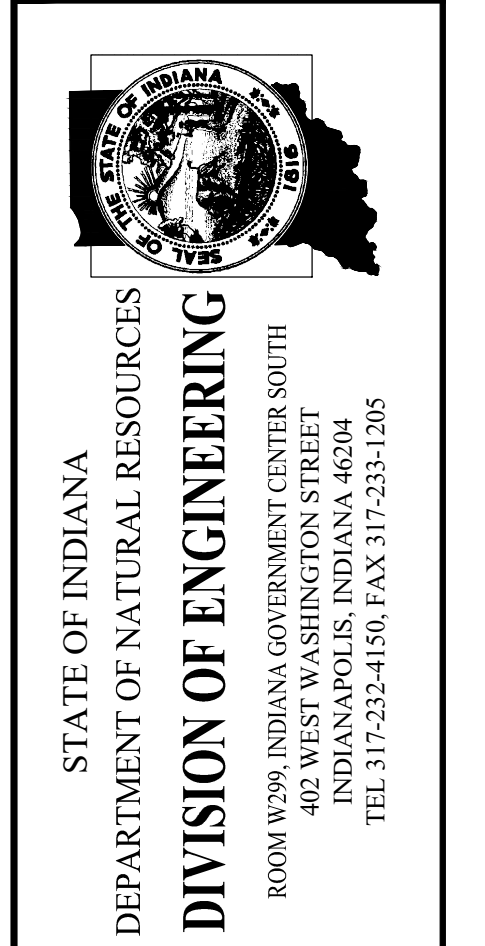
NOTE: COORDINATE RECEPTALES WITH ELECTRICAL. MOUNT WITHIN FLAT PORTIONS OF SIDING TO BE WEATHER TIGHT

LEGEND	
	DOOR - REFER TO A-5
	WINDOW - REFER TO A-1
	ELEVATIONS
	SECTIONS
	KEYNOTES



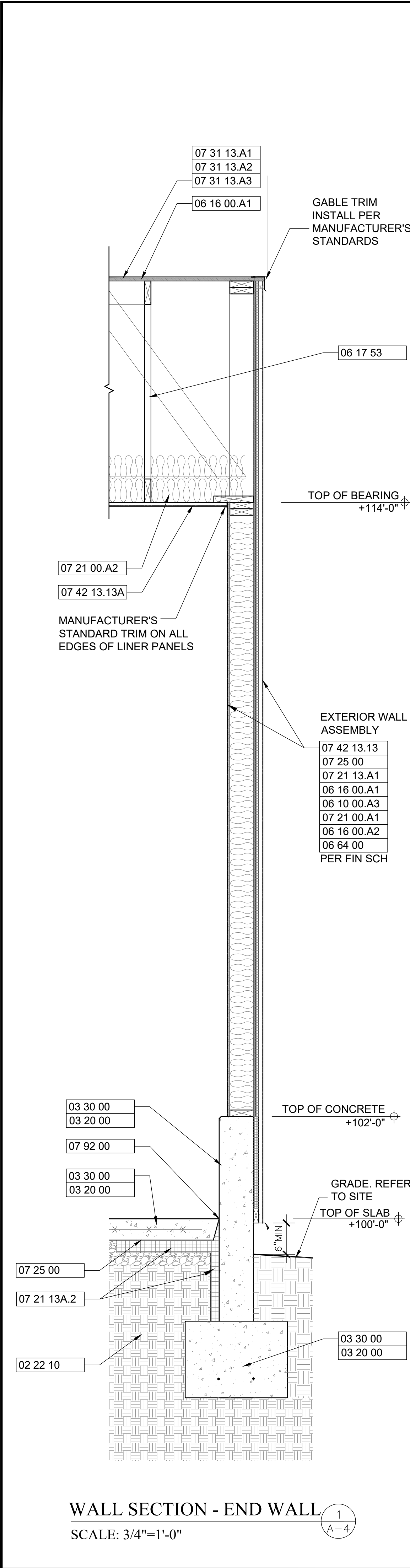
Certified by:
 Michael E. Johnson
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 ARCHITECT

F&W Maintenance Building - Goose Pond
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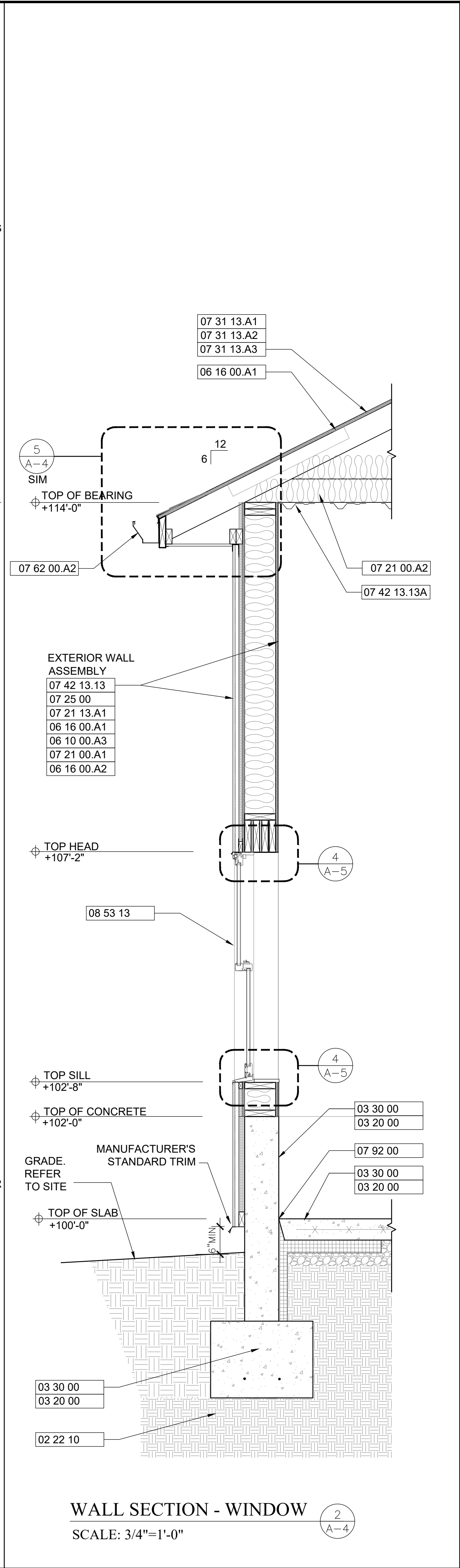


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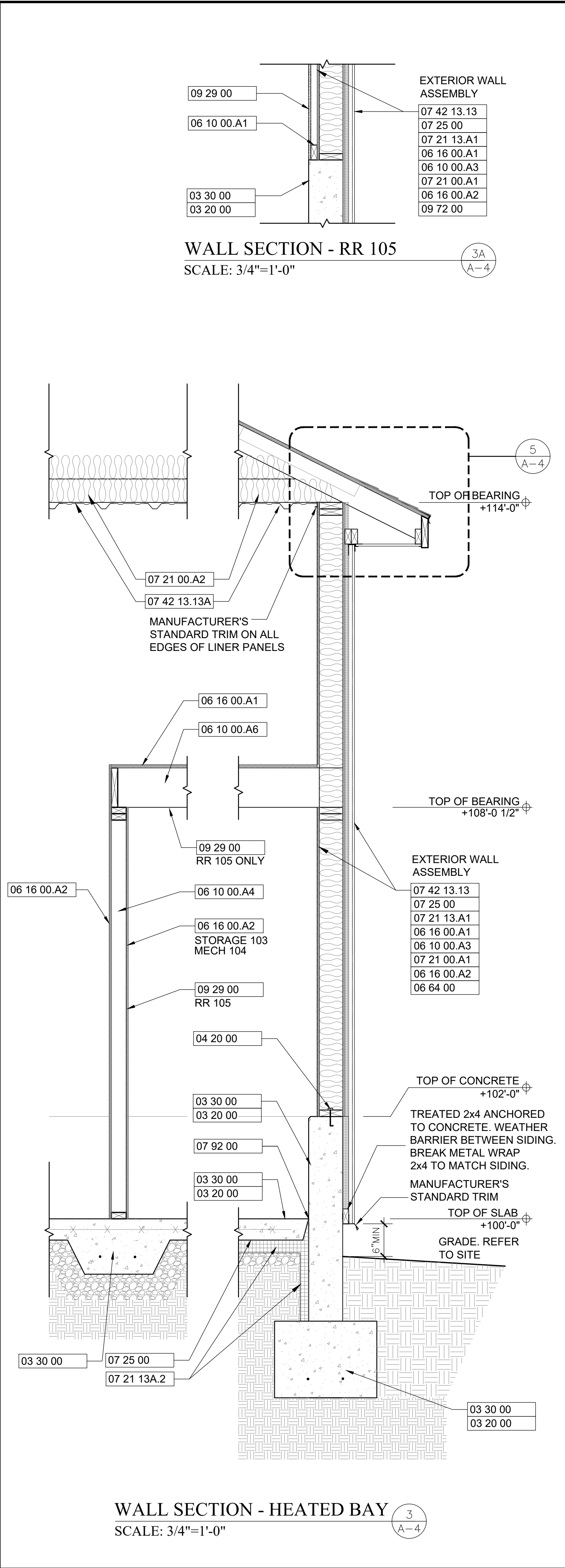
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Sheet:	24 of 31



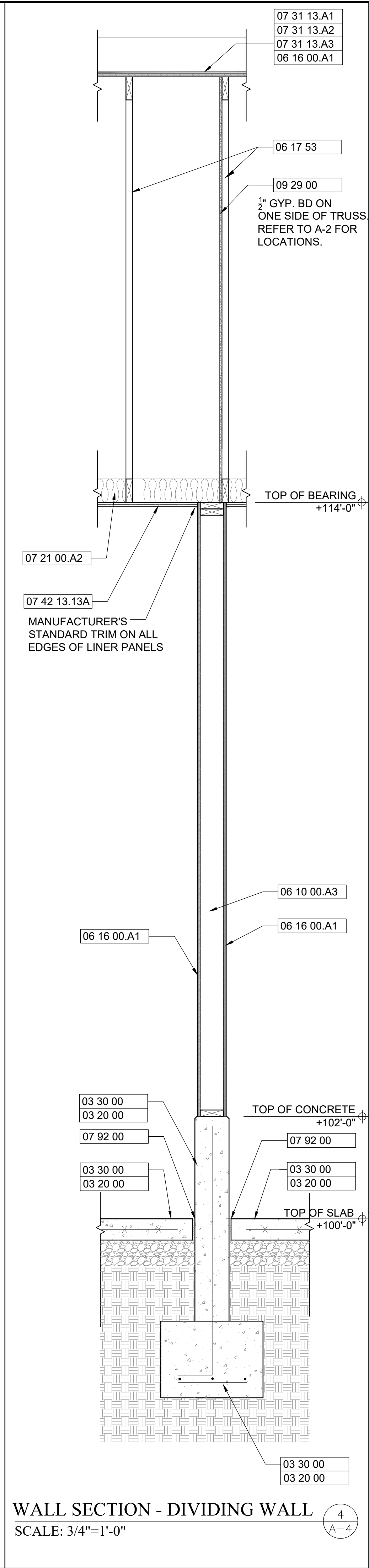
WALL SECTION - END WALL
SCALE: 3/4"=1'-0"



WALL SECTION - WINDOW
SCALE: 3/4"=1'-0"

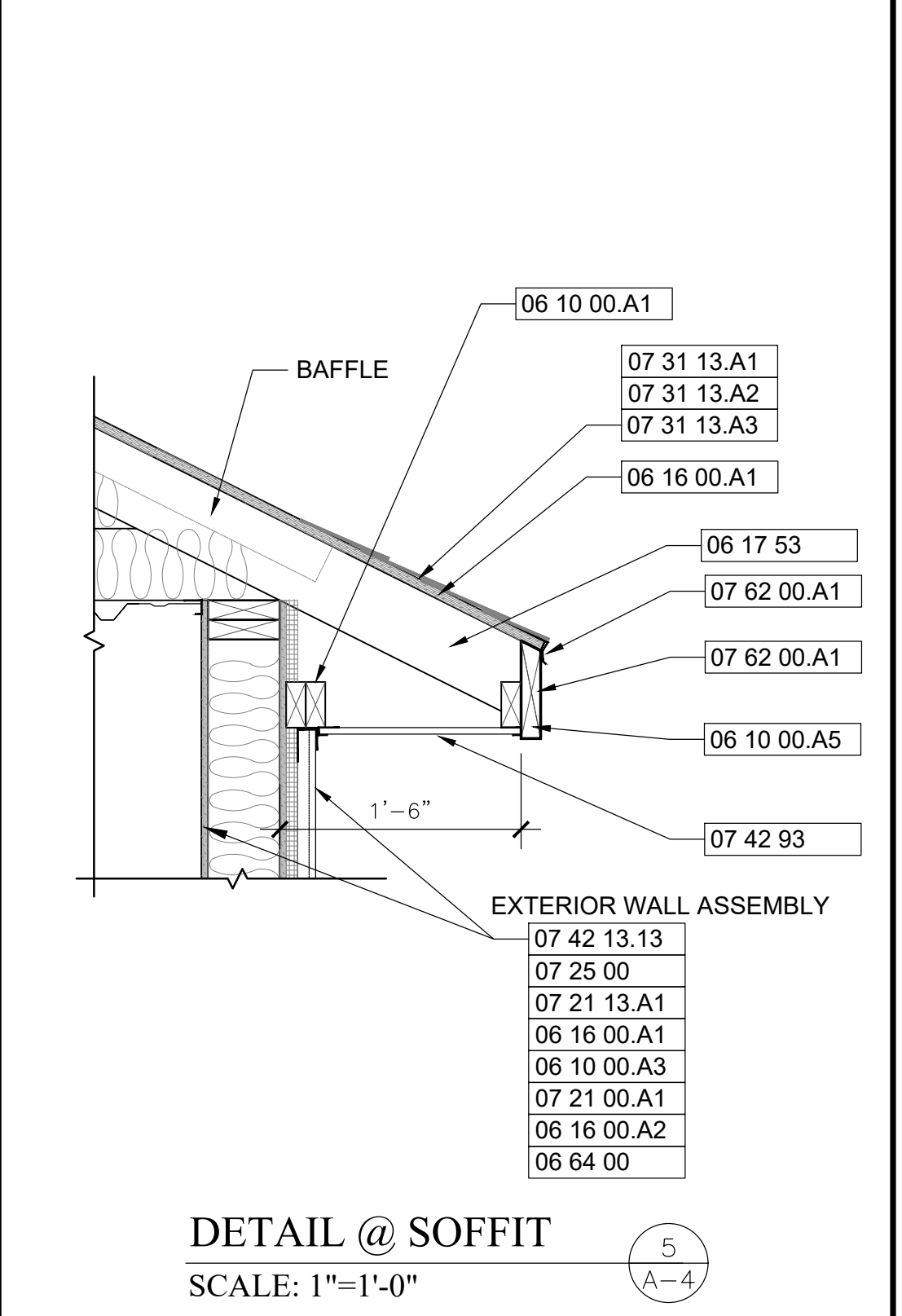


WALL SECTION - HEATED BAY
SCALE: 3/4"=1'-0"

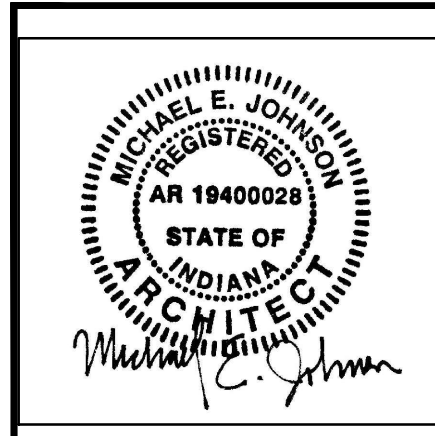


WALL SECTION - DIVIDING WALL
SCALE: 3/4"=1'-0"

KEY VALUE	KEYNOTE TEXT
02 22 10	FILLING AND EXCAVATING
03 20 00	CONCRETE REINFORCING - REFER TO STRUCTURAL
03 30 00	CAST-IN-PLACE CONCRETE - REFER TO STRUCTURAL
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05 50 00	METAL FABRICATIONS - REFER TO STRUCTURAL
06 10 00	ROUGH CARPENTRY - REFER TO STRUCTURAL
06 10 00.A1	WOOD BLOCKING
06 10 00.A2	WOOD FRAMING 2x8@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A3	WOOD FRAMING 2x6@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A4	WOOD FRAMING 2x4@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A5	2x8 FASCIA
06 10 00.A6	WOOD FRAMING 2x10@ 16" O.C. - REFER TO STRUCTURAL
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07 62 00.A2	SHEET METAL GUTTERS AND DOWNSPOUTS
07 92 00	JOINT SEALANTS
08 11 13	HOLLOW METAL DOORS AND FRAMES
08 36 13	SECTIONAL OVERHEAD STEEL DOORS
08 53 13	ALUM CLAD WINDOWS
08 71 00	DOOR HARDWARE
09 29 00	GYPSUM BOARD
09 90 00	PAINTING
10.14.23.16	IDENTIFICATION PANEL SIGNAGE
12.36.23.13	PLASTIC LAMINATE CLAD COUNTERTOPS
26.56.19	EXTERIOR LIGHTING



DETAIL @ SOFFIT
SCALE: 1"=1'-0"



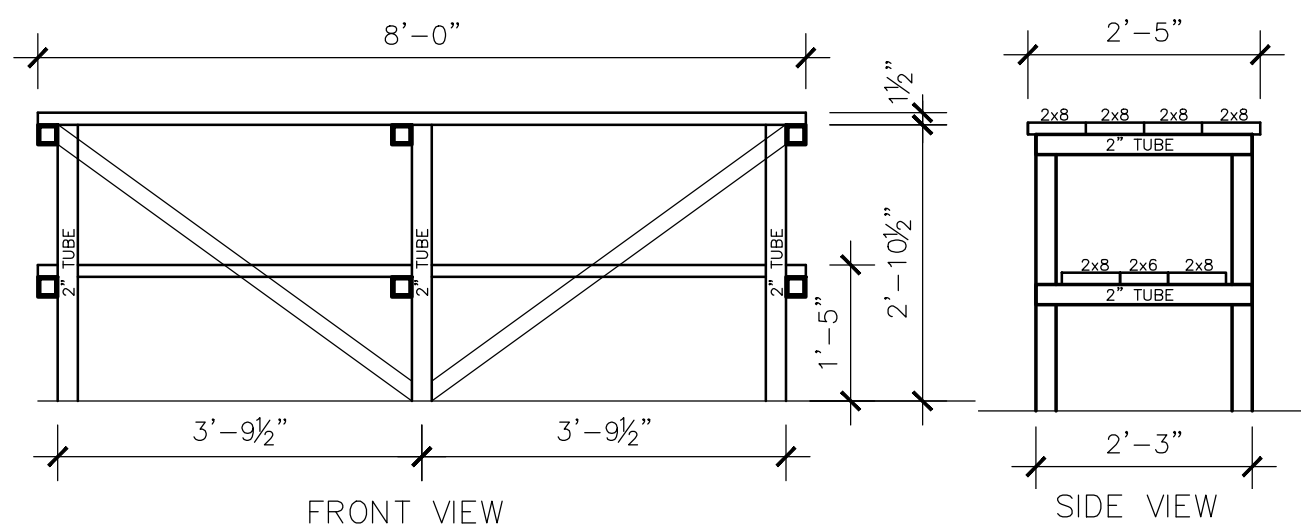
Certified by:
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STATE OF INDIANA
AR 18400028
M. E. Johnson

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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ROOM W299, INDIANA GOVERNMENT CENTER SOUTH
402 WEST WASHINGTON STREET
INDIANAPOLIS, INDIANA 46204
TEL 317-232-4150, FAX 317-231-1205

Project Number:	ENG2002904496
Requisition Number:	Requisition#
Designer:	MEJ
Drawing Date:	05/24/23
Drafter:	NS
Drawing Scale:	AS NOTED
DNR Approval:	
Client Approval:	
File Number:	129-004
Drawing Number:	A-4
Sheet:	25 of 31

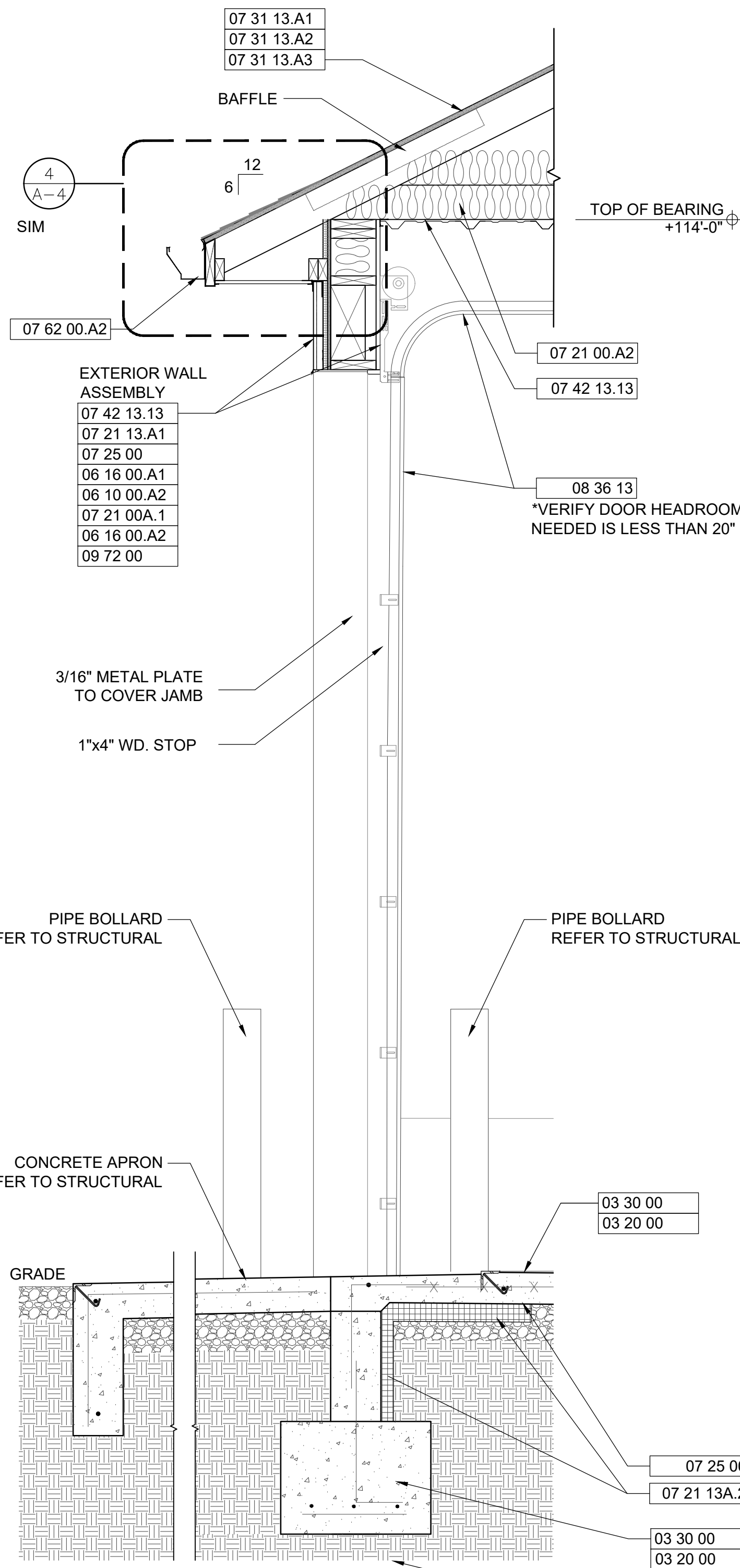


BENCH NOTES:

- ONE BENCH IN EACH MAINTENANCE BAY. REFER TO PLAN.
- 2" STEEL TUBE FRAMES, WELDED TOGETHER. HOLES DRILLED TO ALLOW FOR 2x8 ATTACHMENT.
- ATTACHED 2x8'S TO STEEL FRAMING WITH CARRIAGE BOLTS @ 24" O.C. COUNTERSUNK INTO BOARDS TO ALLOW FOR A FLAT SURFACE. NUT AND WASHER ON UNDERSIDE.

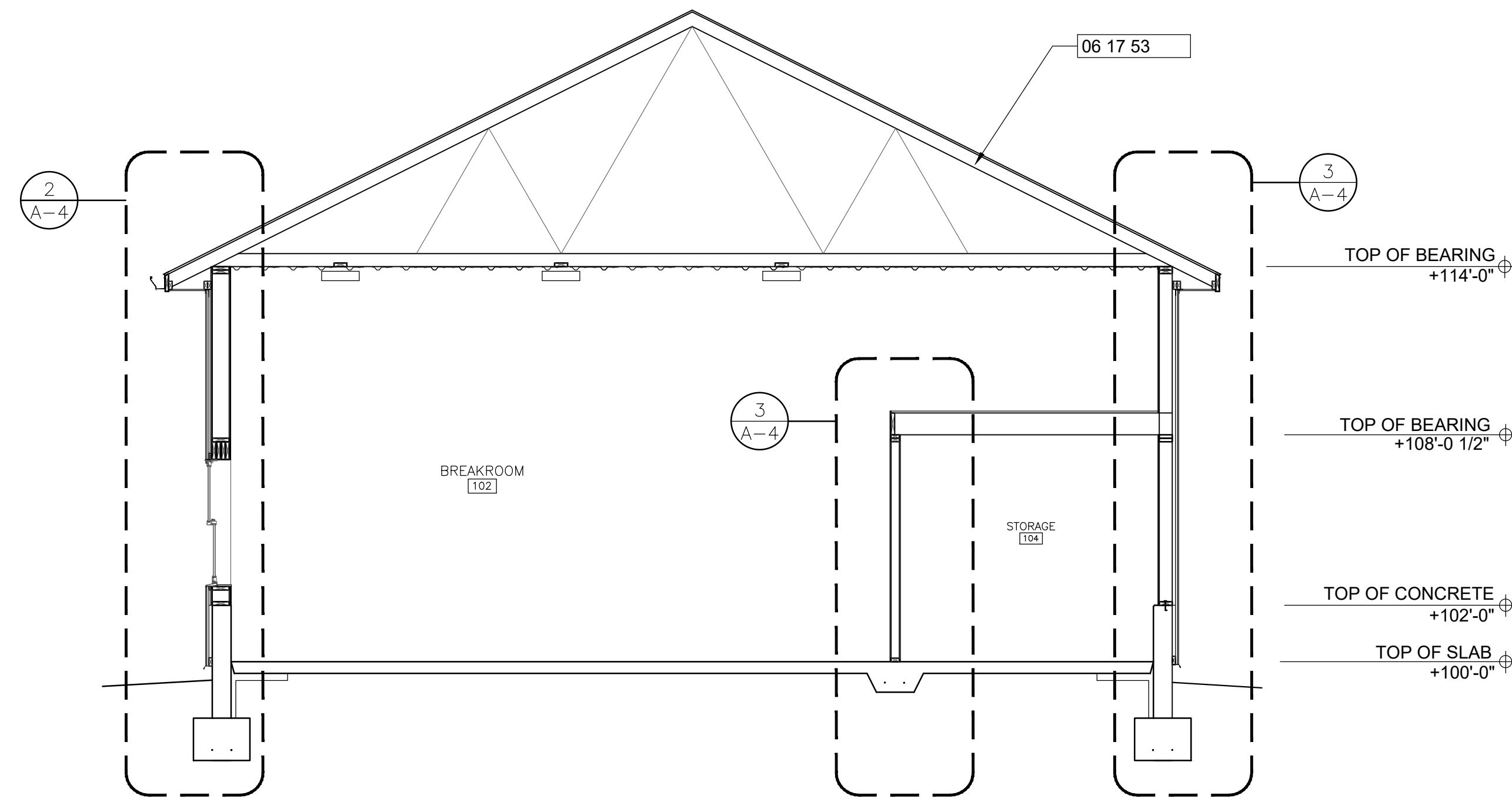
WORK BENCHES

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



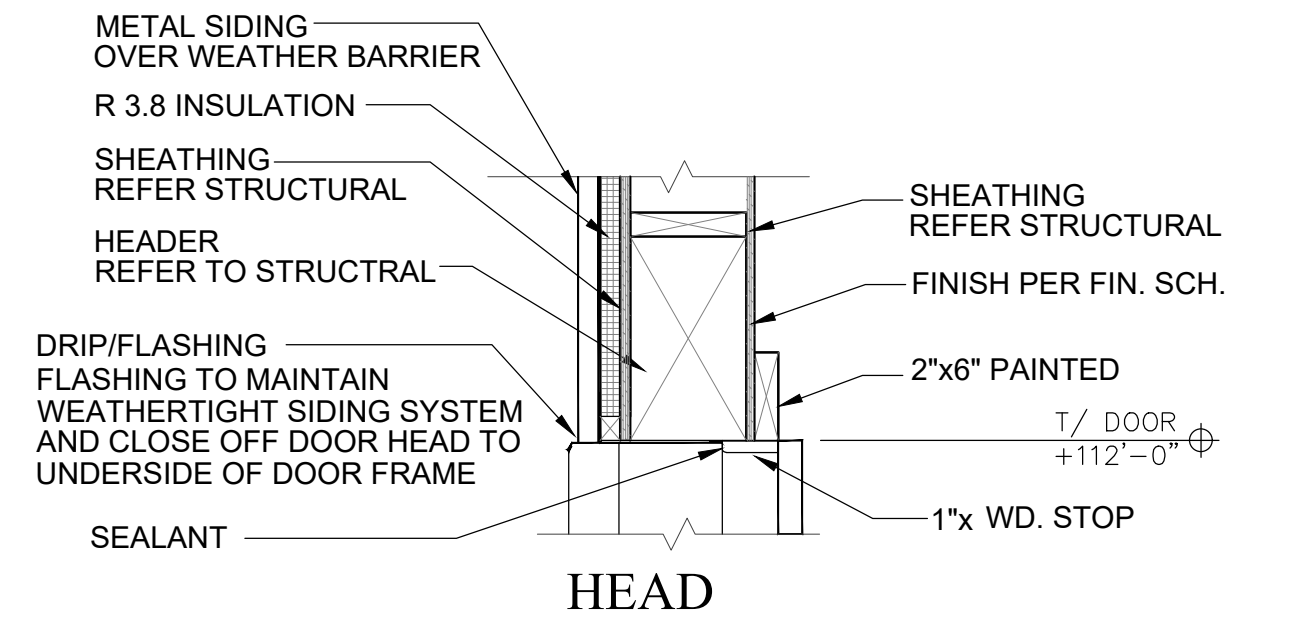
WALL SECTION - OVERHEAD DOOR

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

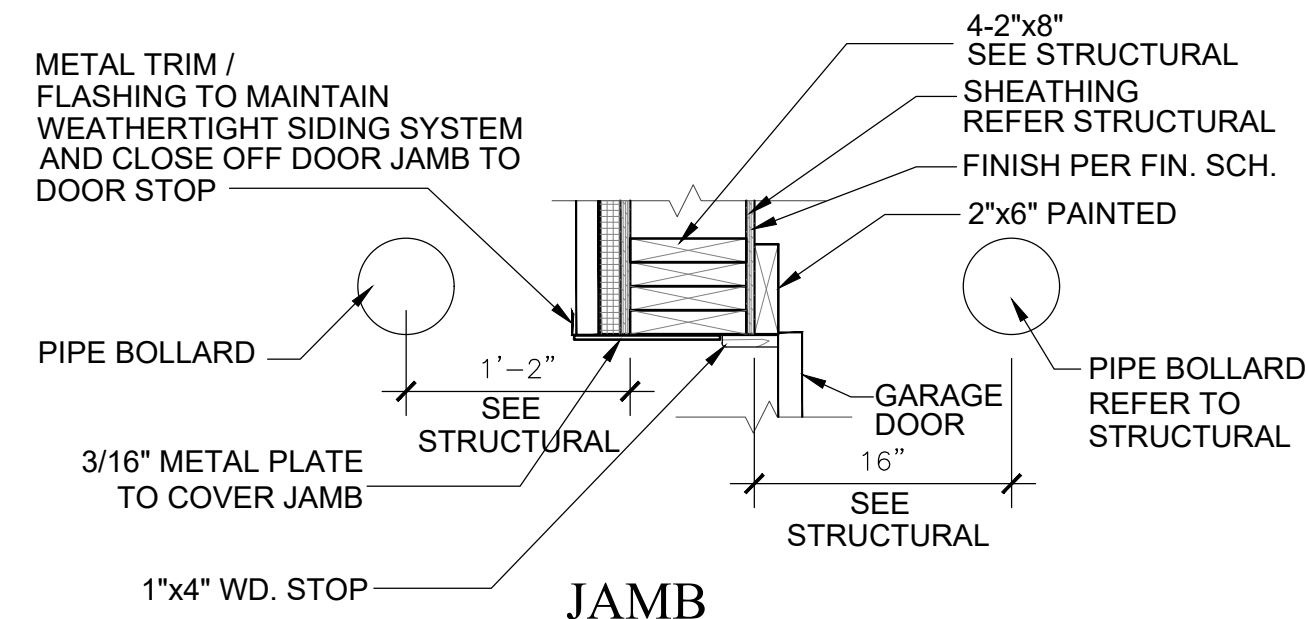


BUILDING SECTION

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



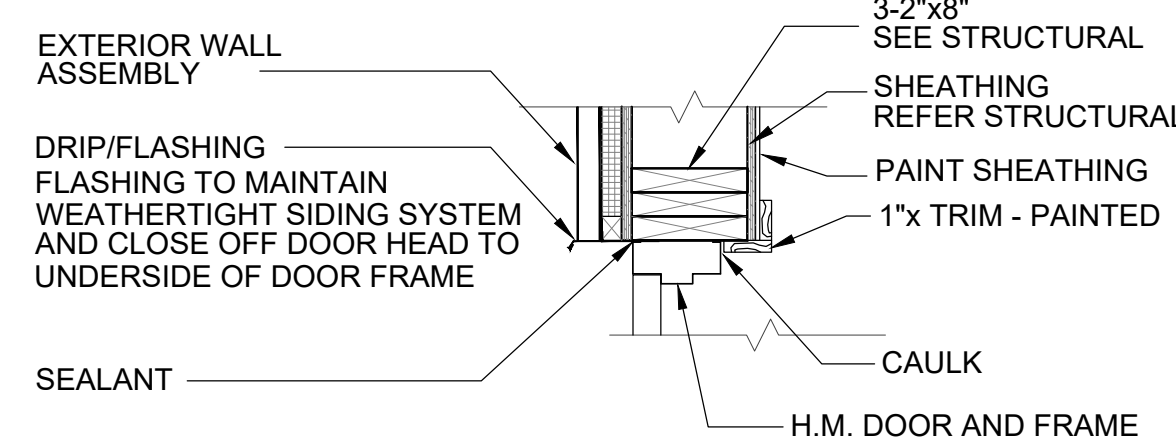
HEAD



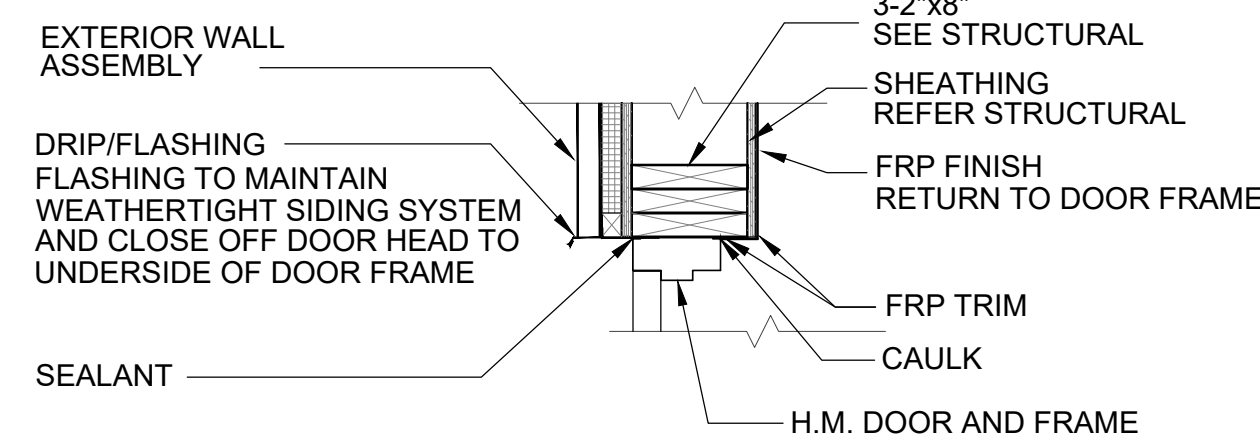
JAMB

OVERHEAD DOOR DETAILS

SCALE: 1" = 1'-0"



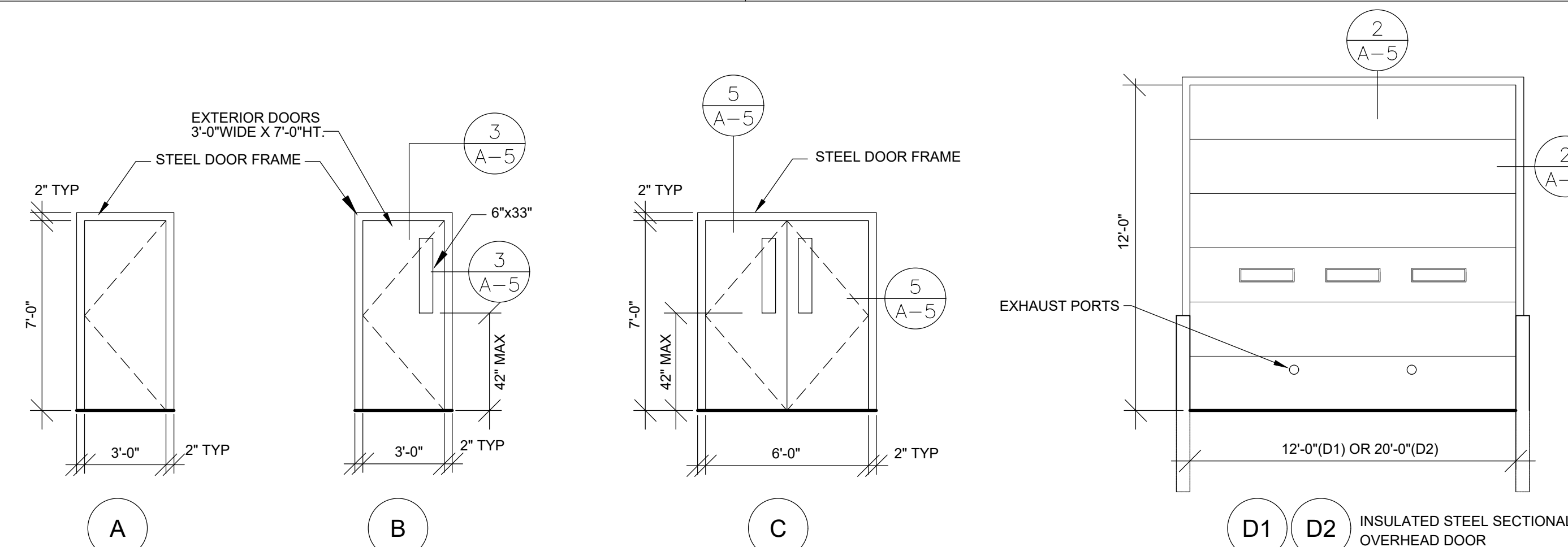
BREAK ROOM / DRY BAYS



WET SERVICE BAY

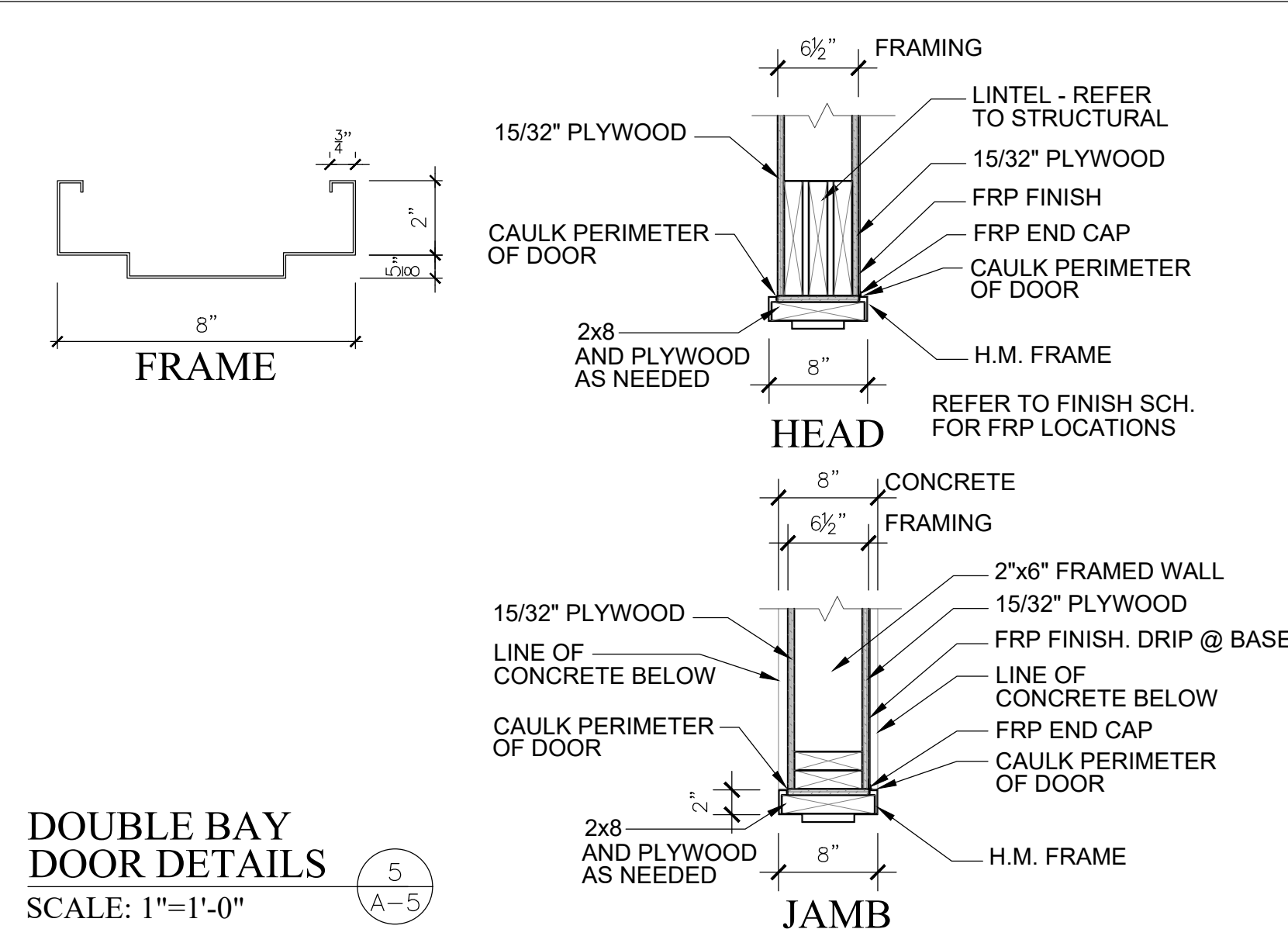
MANDOOR HEAD/JAMB

SCALE: 1" = 1'-0"



DOOR ELEVATIONS

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



DOUBLE BAY DOOR DETAILS

SCALE: 1" = 1'-0"

KEY VALUE	KEYNOTE TEXT
02 22 10	FILLING AND EXCAVATING
03 20 00	CONCRETE REINFORCING - REFER TO STRUCTURAL
03 30 00	CAST-IN-PLACE CONCRETE - REFER TO STRUCTURAL
04 20 00	ANCHOR BOLTS - REFER TO STRUCTURAL
05 50 00	METAL FABRICATIONS - REFER TO STRUCTURAL
06 10 00	ROUGH CARPENTRY - REFER TO STRUCTURAL
06 10 00.A1	WOOD BLOCKING
06 10 00.A2	WOOD FRAMING 2x8@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A3	WOOD FRAMING 2x6@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A4	WOOD FRAMING 2x4@ 16" O.C. - REFER TO STRUCTURAL
06 10 00.A5	2x8 FASCIA
06 10 00.A6	WOOD FRAMING 2x10@ 16" O.C. - REFER TO STRUCTURAL
06 16 00.A1	PLYWOOD SHEATHING - REFER TO STRUCTURAL
06 16 00.A2	15/32" PLYWOOD SHEATHING
06 17 53	SHOP FABRICATED WOOD TRUSSES - SEE STRUCTURAL
06 20 00	FINISH CARPENTRY
06 41 16	PLASTIC LAMINATE CABINETS
06 64 00	PLASTIC PANELING
07 21 00.A1	BATT INSULATION R-19
07 21 00.A2	BATT INSULATION R-38
07 21 13.A1	CONTINUOUS INSULATION R-3.8
07 21 13.A2	CONTINUOUS INSULATION R-15
07 25 00	WEATHER BARRIERS
07 31 13.A1	ASPHALT SHINGLES
07 31 13.A2	FELT UNDERLAYMENT
07 31 13.A3	SELF ADHERING SHEET UNDERLAYMENT
07 31 13.A4	RIDGE VENT
07 42 13.13	METAL SIDING (FORMED METAL WALL PANELS)
07 42 13.13.A	METAL CEILING LINER PANELS
07 42 93	METAL SOFFIT PANELS (VENTILATED)
07 62 00.A1	SHEET METAL FLASHING AND TRIM
07 62 00.A2	SHEET METAL GUTTERS AND DOWNSPOUTS
07 92 00	JOINT SEALANTS
08 11 13	HOLLOW METAL DOORS AND FRAMES
08 36 13	SECTIONAL OVERHEAD STEEL DOORS
08 53 13	ALUM CLAD WINDOWS
08 71 00	DOOR HARDWARE
09 29 00	GYPSUM BOARD
09 90 00	PAINTING
10 14 23.16	IDENTIFICATION PANEL SIGNAGE
12 36 23.13	PLASTIC LAMINATE CLAD COUNTERTOPS
26 56 19	EXTERIOR LIGHTING

WINDOW TO BE FLASHED / SEALED PER MANUFACTURERS RECOMMENDATIONS

Michael E. Johnson
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
ARCHITECT

Project Number: ENG2002904496
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Draftsman: NS Drawing Scale: AS NOTED

Client Approval: _____
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Drawing Number: A-5
Sheet: 26 of 31

F&W Maintenance Building - Goose Pond
Goose Pond Fish & Wildlife Area
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COMPRESSED AIR SYSTEM NOTES:

- AIR COMPRESSOR SHALL BE EQUAL TO INGERSOLL RAND MODEL NUMBER 2475N5-P, 5 HORSEPOWER TWO-STAGE 230 VOLT/SINGLE PHASE RECIPROCATING COMPRESSOR. UNIT SHALL BE PERMANENTLY AFFIXED, BOLTED TO THE FLOOR, HARD WIRED, OR AT CONTRACTOR'S DISCRETION, CORD-AND-PLUG CONNECTED WITH ALL WIRING, PIPING, CONTROLS AND ALL NECESSARY APPURTENANCES FOR A COMPLETE AND FUNCTIONAL INSTALLATION PROVIDED BY THE CONTRACTOR.
- INSTALLATION SHALL INCLUDE COPPER PIPING MEETING THE PRESSURE REQUIREMENTS OF INSTALLED EQUIPMENT AND THE INDIANA MECHANICAL CODE.
- PROVIDE A PRESSURE-SENSOR SWITCH HARD WIRED TO THE COMPRESSOR TO SHUT-OFF THE COMPRESSOR IN EVENT OF OVER-PRESSURIZATION CAUSED BY CLOSED VALVE(S).
- PROVIDE TERMINAL DEVICES ON ALL END RUNS SUITABLE FOR USE WITH HOSE CONNECTIONS AND AIR TOOLS.
- PROVIDE DRAIN VALVES INSTALLED AT ALL PIPING LOW POINTS FOR MANUAL DRAINING OF WATER FROM THE PIPING SYSTEM.
- MINIMUM PIPE SIZE SHALL BE 3/4". LARGER PIPE SHALL BE INSTALLED WHERE CALLED OUT ON THE PLAN.
- SYSTEM SHALL INCLUDE ALL APPURTENANCES RECOMMENDED BY THE COMPRESSOR MANUFACTURER INCLUDING OIL COALESCER AND AIR FILTER ON THE DISCHARGE PIPING OF THE COMPRESSOR.
- PIPING SYSTEM SHALL INCLUDE OUTLETS AT THE FRONT OF ALL HEATED BAYS, AND AN ADDITIONAL OUTLET ON THE FRONT OF THE BUILDING NEAR THE BREAKROOM ENTRANCE.
- AIR LINES ARE TO BE RUN ALONG WALLS NEAR THE UNDER-SIDE OF THE CEILING.

MECHANICAL PLAN NOTES:

- PROVIDE NEW COPPER REFRIGERANT PIPING, SIZED AND INSULATED PER MANUFACTURER'S INSTRUCTIONS, BETWEEN NEW INDOOR FURNACE AND OUTDOOR AC CONDENSING UNIT.
- CONTRACTOR TO PROVIDE 1 1/4" BURIED COPPER PROPANE PIPING FROM THE LOCATION OF THE NEW PROPANE TANK TO THE BUILDING. CONTRACTOR SHALL PROVIDE A PROPANE GAS PRESSURE REGULATOR SELECTED BASED UPON THE EQUIPMENT PROVIDED.
- GAS LINES TO BE RUN IN ATTIC.

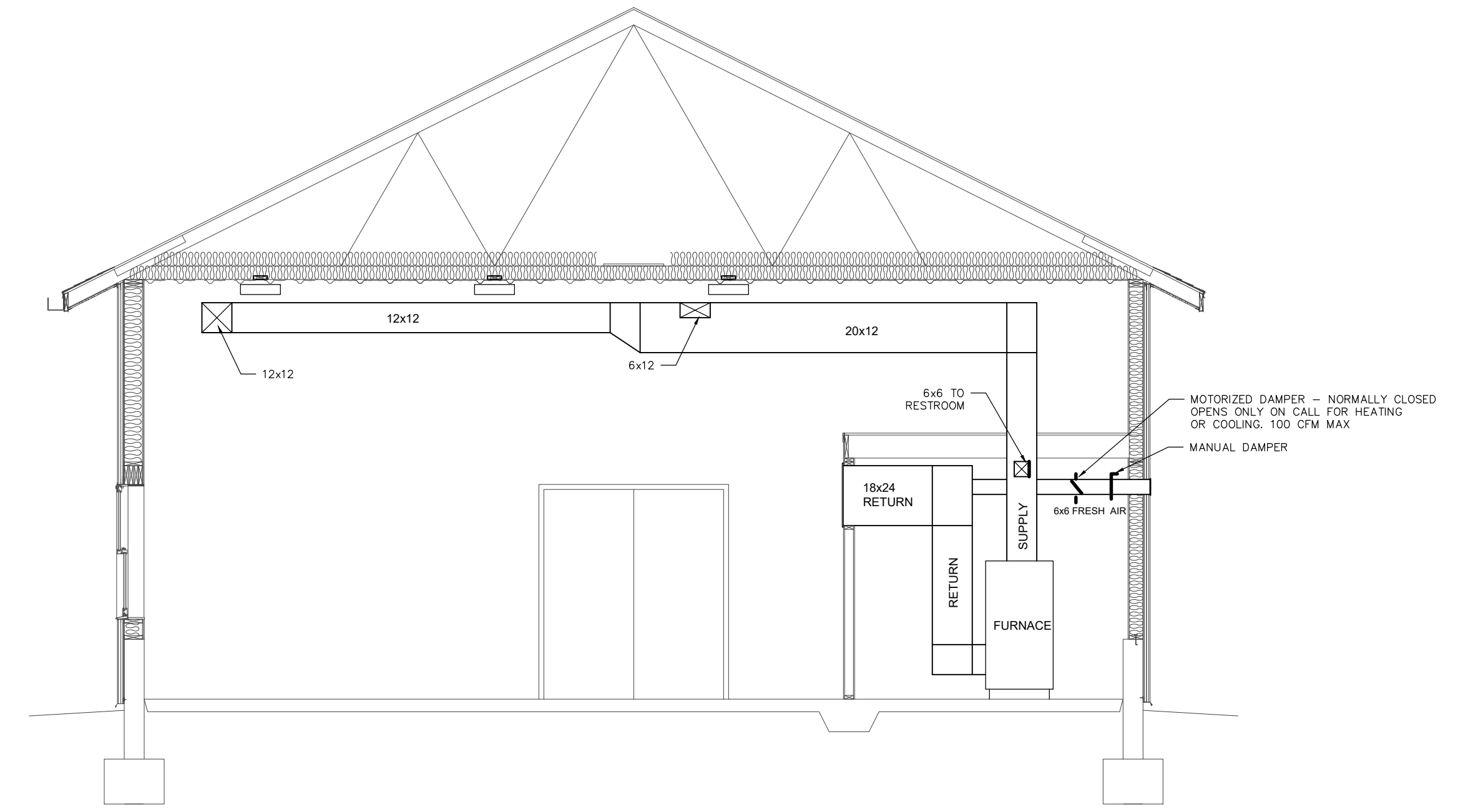
UNIT HEATERS

UH-1 SHALL BE EQUAL TO REZTOR MODEL NUMBER UDZ-45, CERTIFIED FOR COMMERCIAL HEATING APPLICATIONS. ALLUMINIZED STEEL HEAT EXCHANGER; 115V / SINGLE PHASE/60HZ, PROPANE FIRED; WALL-MOUNTED HEATING-ONLY THERMOSTAT; TOTALLY ENCLOSED FAN; UNIT MOUNTED DISCONNECT SWITCH; 37350 BTU MINIMUM NET OUTPUT. COORDINATE LOCATIONS WITH GARAGE DOORS, HARDWARE, AND OPENERS.

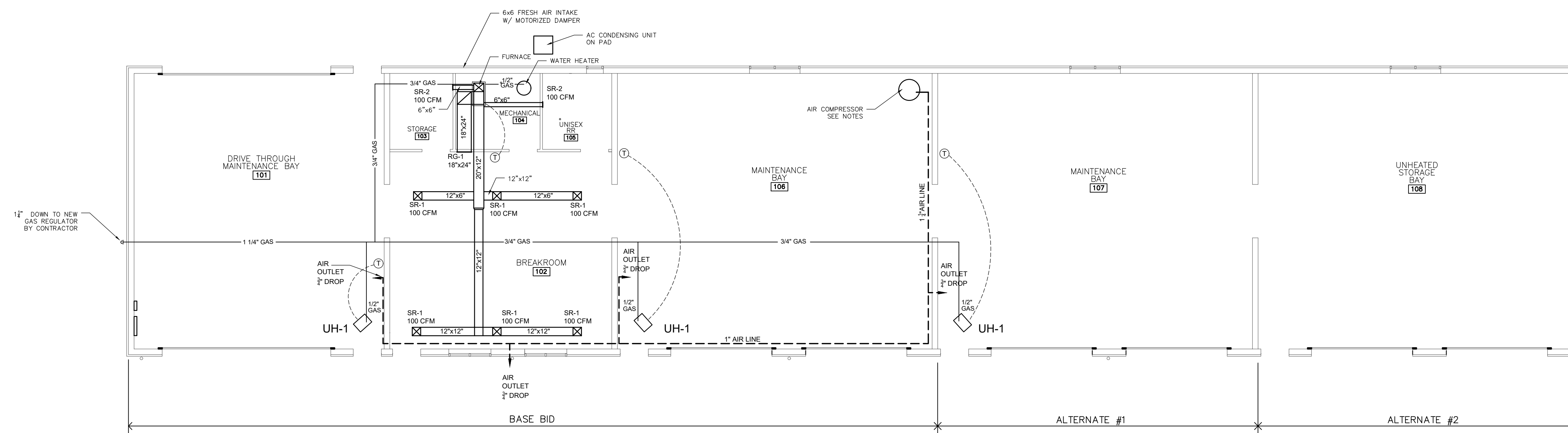
DIFFUSER, REGISTER AND GRILLE SCHEDULE				
MARK	USAGE	MANUFACTURER	MODEL #	NOTES
SR-1	SUPPLY DIFFUSER	HART AND COOLEY	A504 / 10"x10"	1,2
SR-2	SUPPLY REGISTER	HART AND COOLEY	92VHV / 6"x6"	1,2
RG-1	RETURN GRILLE	HART AND COOLEY	A672 / 18"Wx24"H	1

NOTES:

- WHITE ENAMEL FINISH
- PROVIDE BALANCING DAMPER IN AN ACCESSIBLE LOCATION

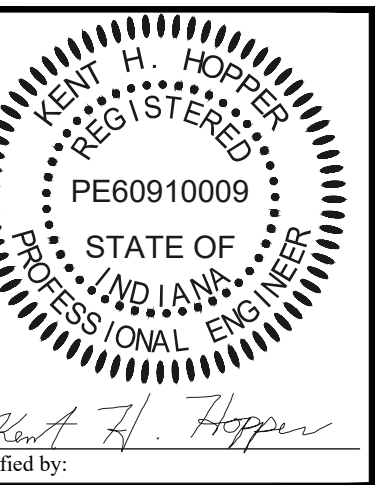


GOOSE POND
HVAC SECTION
SCALE: 1/4" = 1'-0"



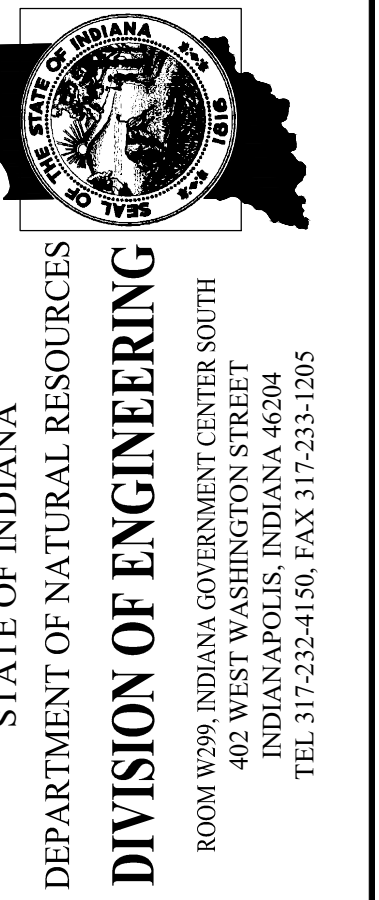
NOTES: CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETELY FUNCTIONAL SYSTEM INCLUDING ALL MATERIALS AND EQUIPMENT REQUIRED FROM THE UTILITY SOURCE TO THE NEW BUILDING.

GOOSE POND
MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



Certified by:
Kent H. Hopper

F&W Maintenance Building - Goose Pond
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File Number:	129-004
Drawing Number:	M-1
Sheet:	27 of 31

PLUMBING FIXTURE SCHEDULE			
MARK	VENDOR / MOD. NO.	DESCRIPTION	NOTES
P-1	AMERICAN STANDARD / 2467.016 WHITE	ADA COMPLIANT WATER CLOSET--1.6 GPF	1
P-2	AMERICAN STANDARD / MOD. 0356.015	"LUCERNE"--RESTROOM LAVATORY--CONCEALED ARM	2,3,6
P-3	C.E.C.O. / MOD. 865	UTILITY DEEP SINK	4
P-4	HAWS / 7360BTWC	EYE WASH (EMERGENCY)	6
P-5	STATE / GS6 40 BCT	GAS-FIRED WATER HEATER; 40 GALLON.	7
P-6	JAY R. SMITH / MOD. 9816	TROUGH FLOOR DRAIN W/ HEAVY DUTY GRATING	
P-7	JAY R SMITH / MOD. 8525	25 GPM OIL INTERCEPTOR	
P-8	RENSSELAER	1000 GAL. CONCRETE HOLDING TANK	
P-9	WADE 6000-12	ADJUSTABLE FLOOR CLEANOUT	
P-10	JAY R. SMITH / MOD 2040	FLOOR DRAIN W/ CLEAN-OUT	
P-11	THERMXTROL ST-5	WATER HEATER EXPANSION TANK	
P-12	ELKAY / LUSTERTONE	SINK	5
P-13	WOODFORD COMMERCIAL GRADE	HOSE BIB - WALL FAUCET ROUGH BRASS 3/4" TUBE	
P-14	WOODFORD COMMERCIAL GRADE	FROST PROOF HOSE BIB 3/4" TUBE	
P-15	WOODFORD / U-200M-5	FREEZELESS YARD HYDRANT - 2 INCH	

NOTES:

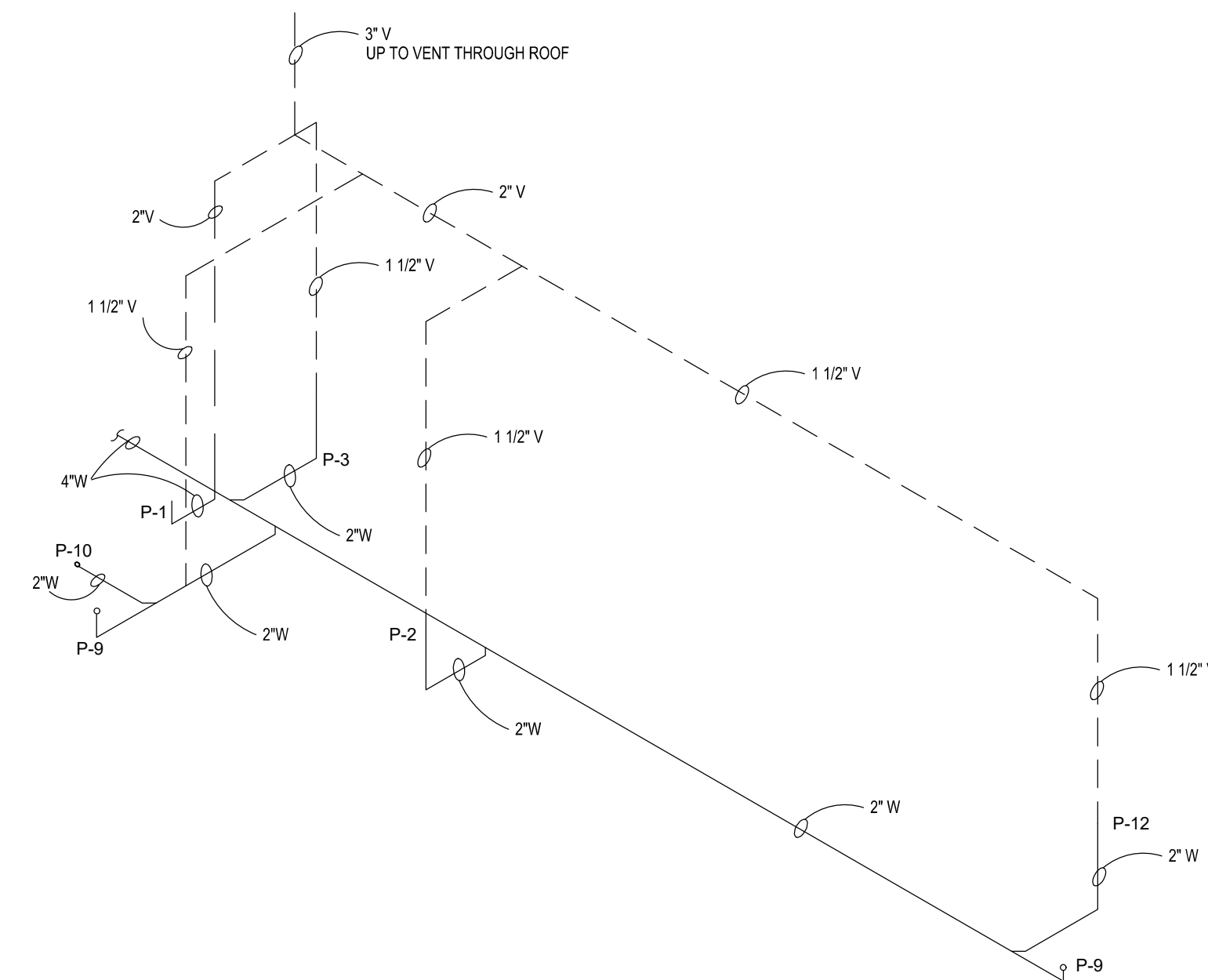
1. INSTALL W/BEMIS SEAT---OPEN FRONT W/ COVER ; COLOR: WHITE.
2. INSTALL W/ CHICAGO FAUCETS #404-317ABCP FAUCET. PROVIDE JAY R. SMITH CARRIER..
3. INSTALL W/ADA-COMPLIANT WRIST-BLADE HANDLES, STRAINER, AND INSULATED P-TRAP.
4. INSTALL W/ CHICAGO FAUCETS #540-218307 FAUCET AND CECO #870 TRAP/STAND/STRAINER.
5. ELKAY LUSTERTONE CLASSIC STAINLESS STEEL 37"x22"x5 1/2" DOUBLE BOWL ADA DROP-IN SINK. MODEL #LRAD372255 W/ MOUNTING HARDWARE; DRAINS; AMERICAN STANDARD MONTERREY KITCHEN FAUCET; ADA COMPLIANT.
6. ADA COMPLIANT
7. VENT PER MANUFACTURER'S STANDARDS.

PLUMBING SYMBOLS

MARK	DESCRIPTION
---	COLD WATER LINE
- - - -	HOT WATER LINE
→	DIRECTION OF FLOW (VARIOUS LINES)
---	WASTE PIPING
- - - -	VENT PIPING
FD	FLOOR DRAIN W/ CLEAN OUT
CO	CLEAN OUT
⊥	SHUT-OFF VALVE
⊥	PIPING UNION (FOR W/H)
⊥	HOSE BIBB

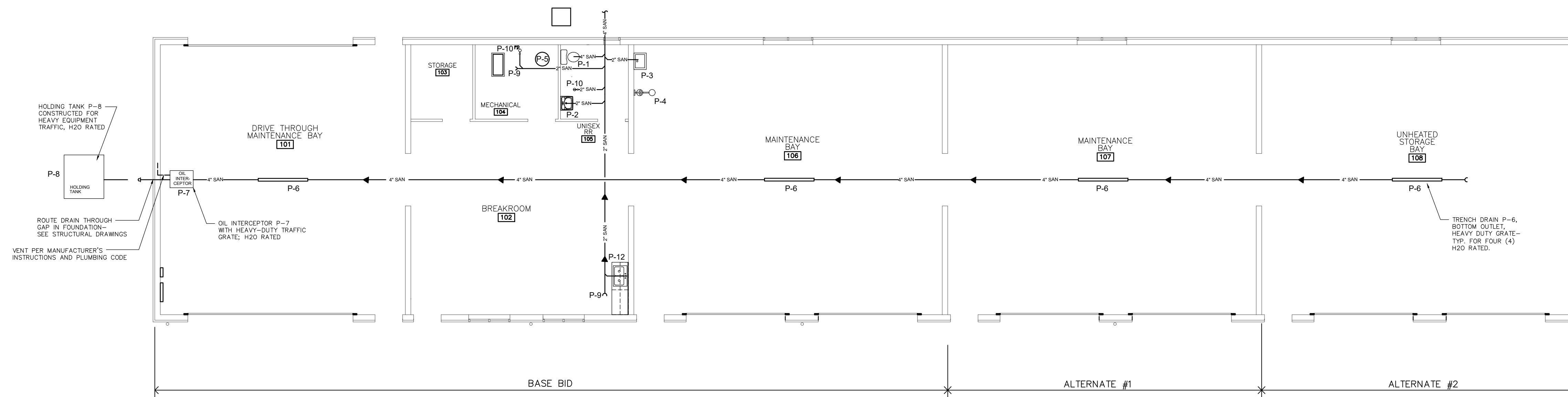
PLUMBING NOTES:

1. HOLDING TANK SHALL NOT DISCHARGE TO SANITARY SEWER.
2. ALL WORK SHALL CONFORM TO APPLICABLE STANDARDS INCLUDING THE LATEST EDITION OF THE INDIANA MECHANICAL CODE AND THE INDIANA PLUMBING CODE.
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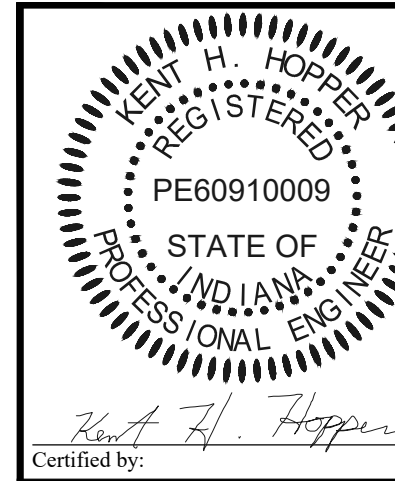
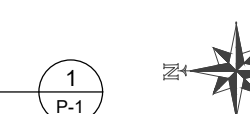


WASTE AND VENT ISOMETRIC

NTS (2) P-1



GOOSE POND
SANITARY PLAN
SCALE: 1/8" = 1'-0"



Certified by: Robert H. Hopper

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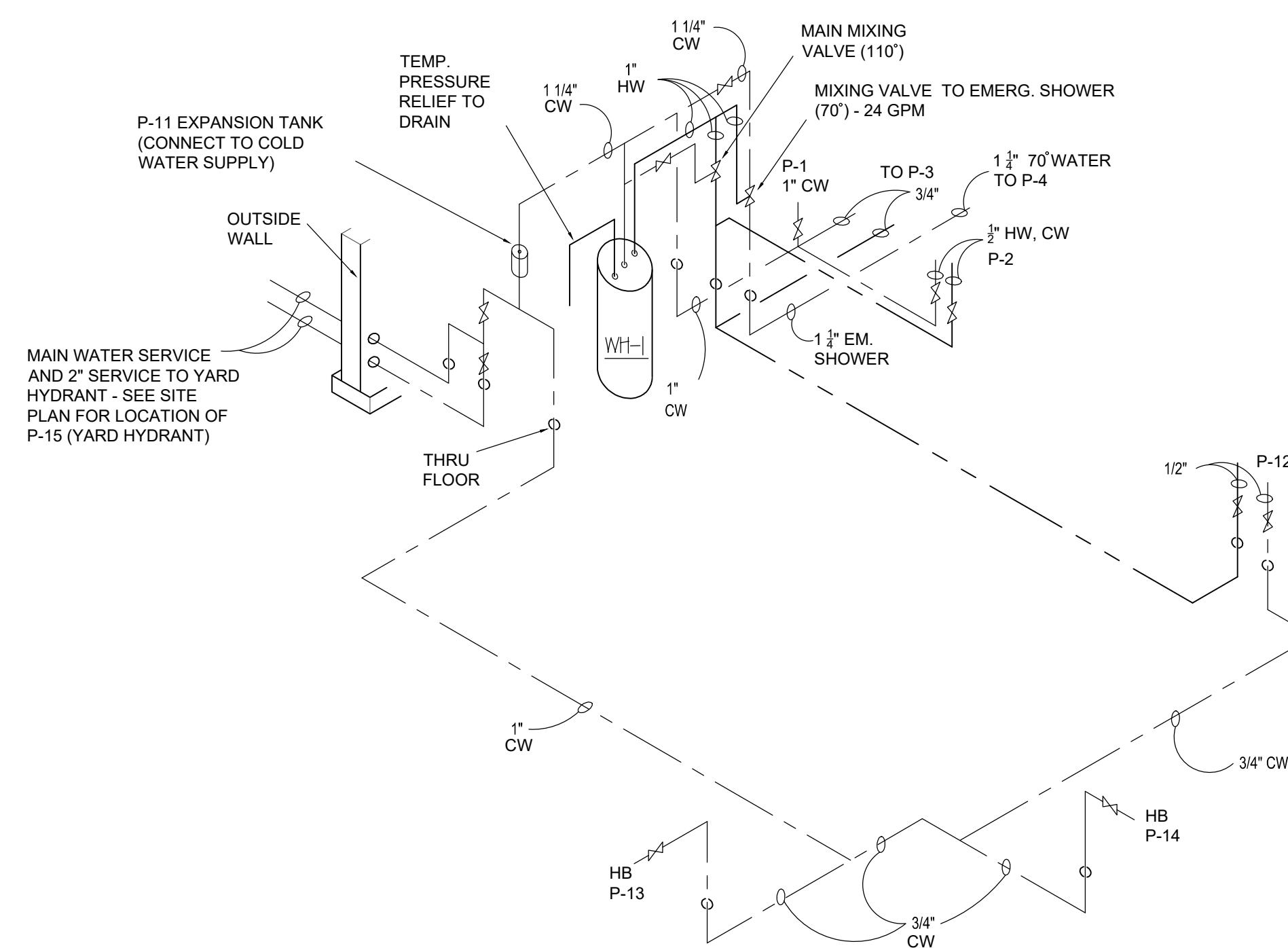
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---	HOT WATER LINE
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---	SHUT-OFF VALVE
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---	HOSE BIBB

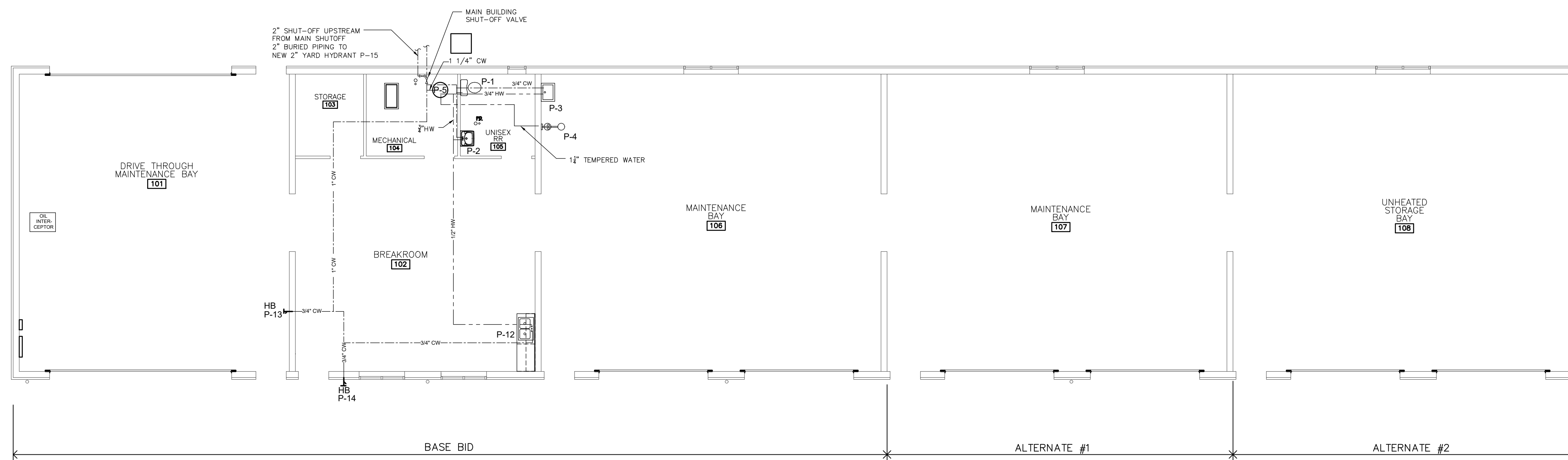
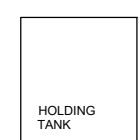


HOT, COLD, & 70 F SHOWER/EYEWASH WATER ISOMETRIC

NTS

PLUMBING NOTES:

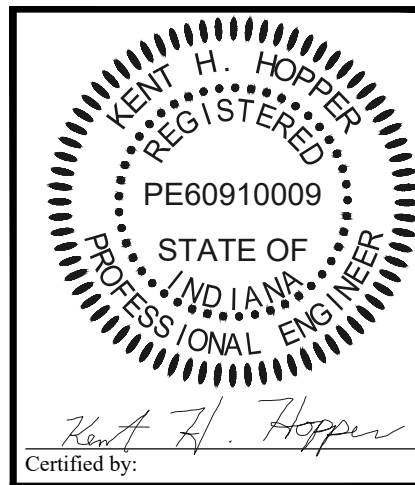
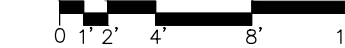
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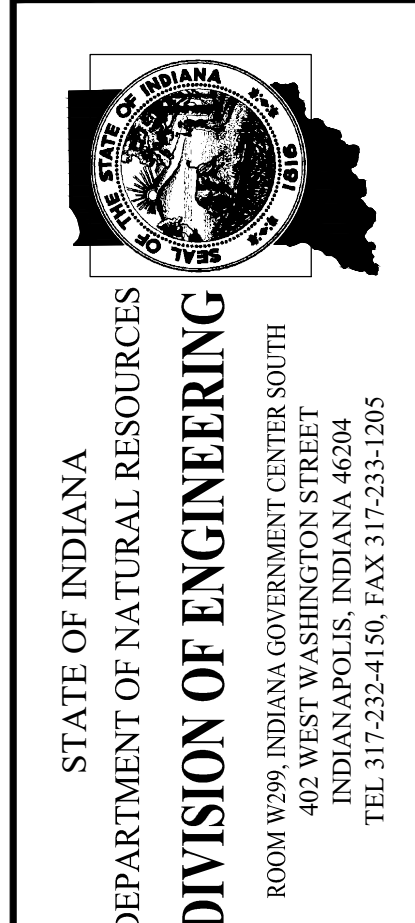
GOOSE POND PLUMBING SUPPLY PLAN

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



Certified by:
Kent H. Hopper

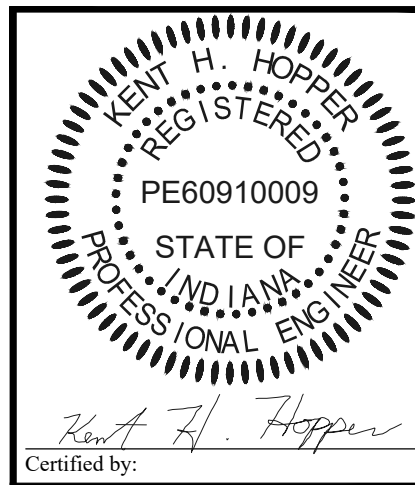
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Sheet: 29 of 31



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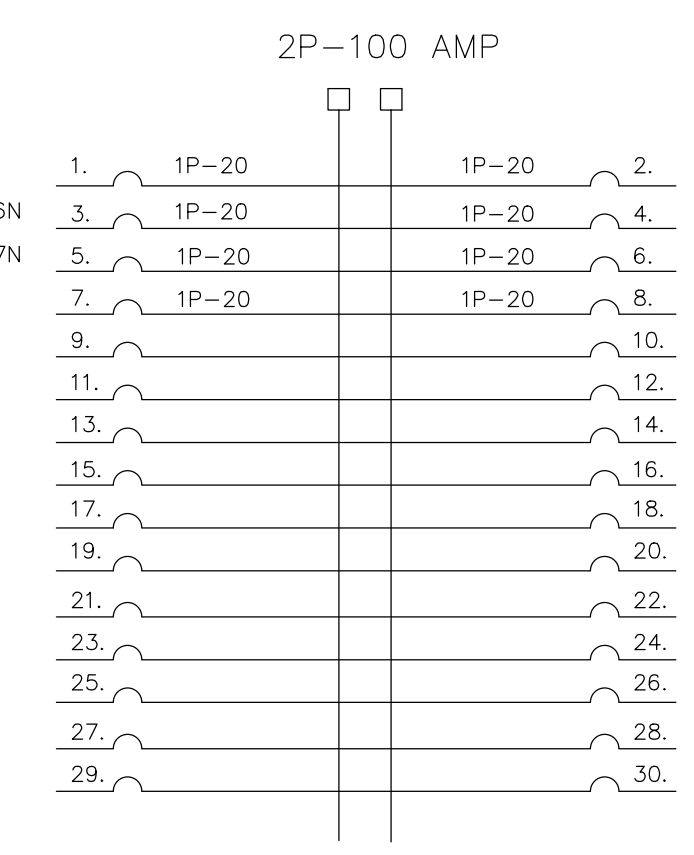
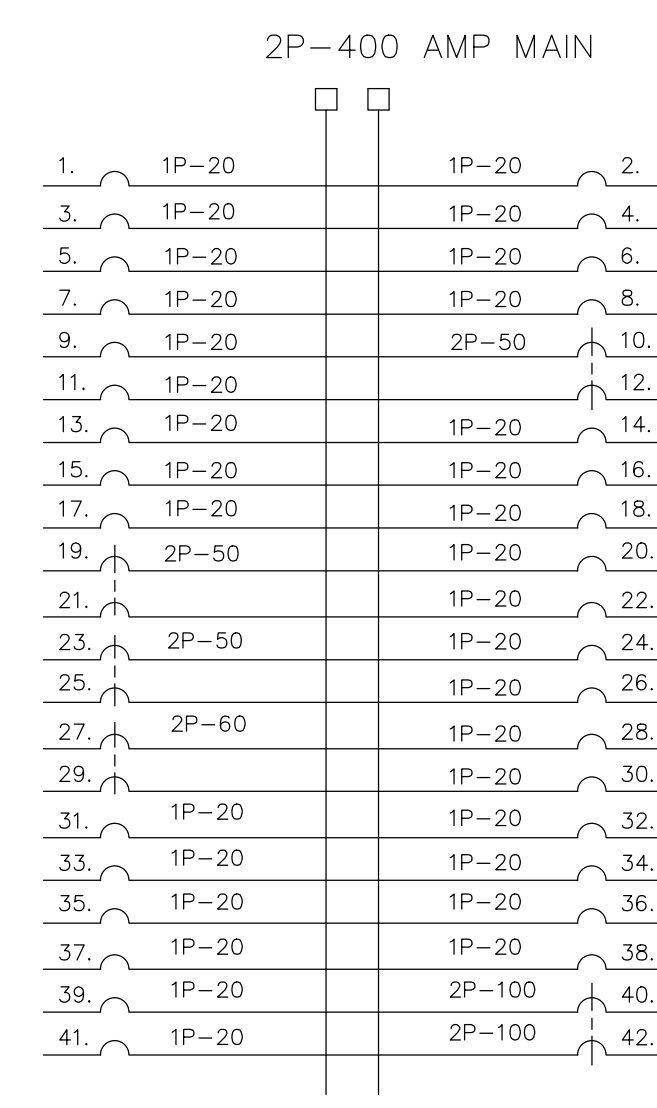
File Number:
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E-1

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30 of 31

ELECTRICAL SYMBOLS

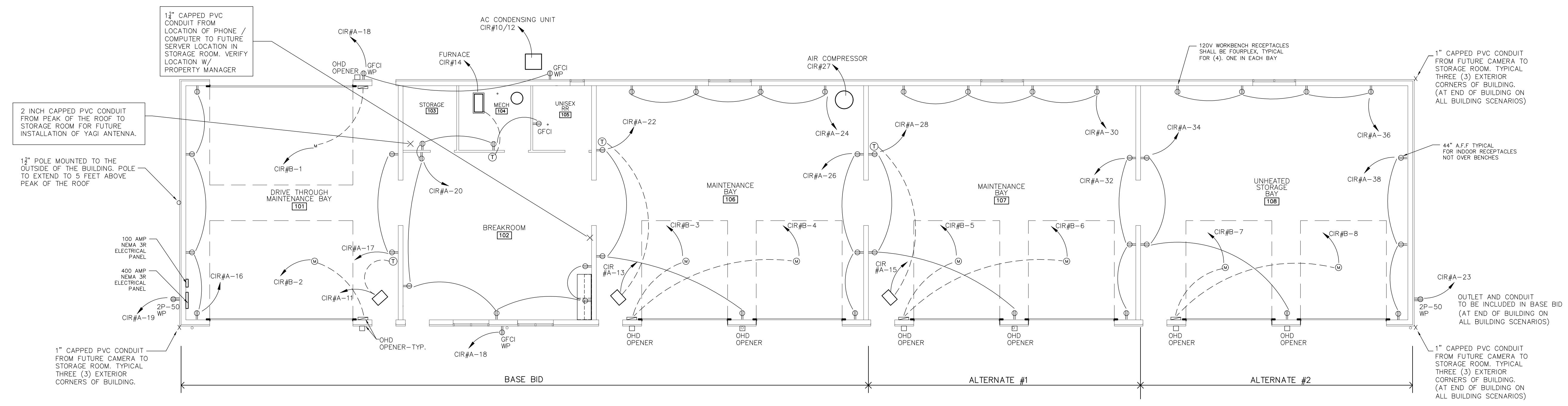
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	RECEPTACLE - 240V
	SINGLE POLE SWITCH - OCCUPANCY SENSOR
	THREE WAY SWITCH - OCCUPANCY SENSOR
	FOUR WAY SWITCH - OCCUPANCY SENSOR
	LED INTERIOR LIGHT FIXTURE
	SWITCH LEG WIRING FOR SINGLE POLE SWITCH
	SWITCH LEG WIRING FOR THREE POLE SWITCH
	FIXTURE WIRING
	EXTERIOR LIGHT FIXTURE
	EMERGENCY BATTERY PACK LIGHT
	O.H.D. OPENER
	THERMOSTAT
	WATER PROOF



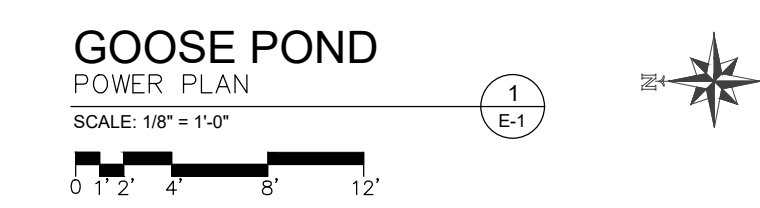
NEW NEMA 3R 400AMP ELECTRICAL PANEL-"A"
 SCALE: N.T.S.

NOTE: ALL RECEPTACLE CIRCUITS SHALL BE PROTECTED AT THE PANEL BY GROUND FAULT CIRCUIT INTERRUPTER BREAKERS

ALTERNATE #2 ONLY
NEW NEMA 3R 100AMP ELECTRICAL PANEL-"B"
 SCALE: N.T.S.



NOTES: PAD MOUNTED TRANSFORMER TO BE INSTALLED TO SUPPORT 400A SERVICE. CONTRACTOR TO RUN 600kcmil COPPER IN MIN. 3 1/2" CONDUIT FROM THE TRANSFORMER TO THE 400 AMP PANEL IN THE BUILDING. CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETELY FUNCTIONAL SYSTEM INCLUDING ALL MATERIALS AND EQUIPMENT REQUIRED FROM THE UTILITY SOURCE TO THE NEW BUILDING.



FIXTURE		SCHEDULE				
MARK	VENDOR / MODEL NO.	LAMPS	SIZE	MOUNTING	DESCRIPTION	NOTES
A.	HUBBELL #CRW4-LSCS	4000K 28W LED	9.7"x46"	SURFACE	ROUND WRAP; 4140 LUMENS	1&2
B.	HUBBELL #MPS4-40ML-CW-EDU	40W LED 4000K	3"x48"	SURFACE	4' LENGTH LINEAR LED	1,2&4
C.	HUBBELL #MPS8-40XL-CW-EDU	133W LED 4000K	3"x96"	SURFACE	8' LENGTH LINEAR LED	1,2,4,5,&6
D.	HUBBELL #SG1-20-4K7-FT-BLT	21W; 2 LED'S	7.8"Hx6.6"W	WALL	OCCUPANCY SENSOR/BATTERY	1&2
E.	NUTONE MOD # LP50100DC	NONE	13"x14"	CEILING	EXHAUST FAN	1,2&3
E.M.	DUAL-LITE EVC EXIT/EMERG. LT	LED	10"x12"	CEILING	DAMP LOCATION LISTED; BLACK	1.&2.

FIXTURE SCHEDULE NOTES :

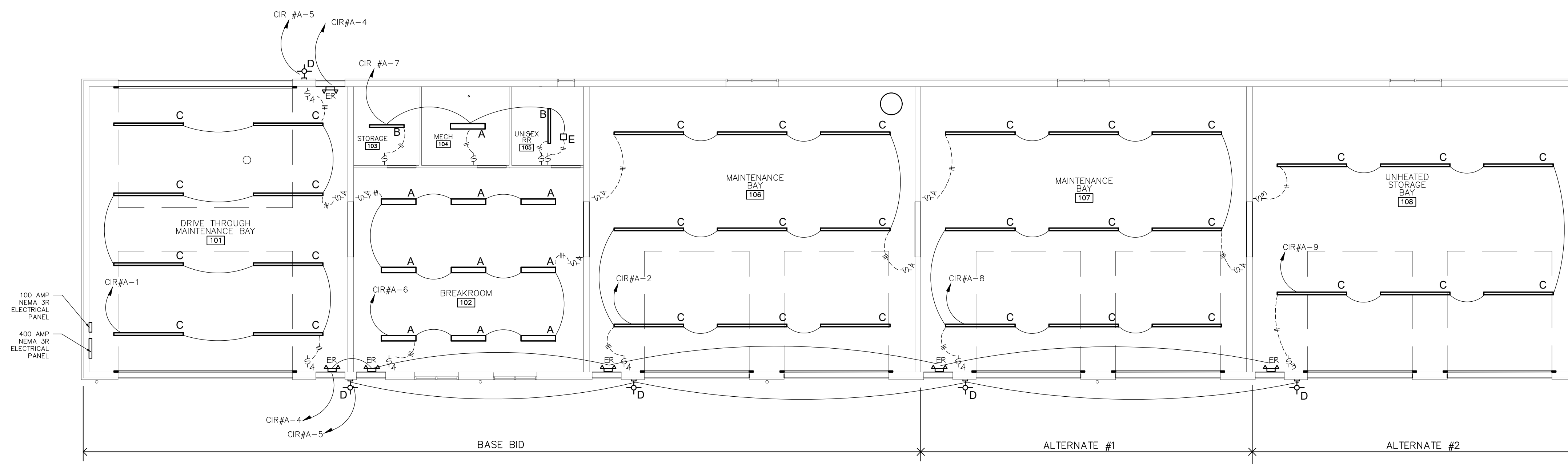
1. ALL FIXTURES SHALL BE 120 VOLTS
2. ONE FIXTURE PER SPACE SHALL HAVE EMERGENCY BATTERY PACK
3. VENT EXHAUST FAN TO OUTSIDE BETWEEN JOIST THRU WALL TO EXT. WALL CAP (NUTONE).
4. MODULAR REPLACEABLE LED BOARDS AND ACCESSIBLE DRIVERS.
5. LIGHTS SHALL EXTEND A MAXIMUM OF 5 INCHES BELOW THE CEILING. FIXTURES SHALL BE LABELED FOR USE IN A DAMP LOCATION.
6. LIGHTS IN UNHEATED STORAGE BAY 108 TO BE SUSPENDED - ALTERNATE #2

ELECTRICAL NOTES :

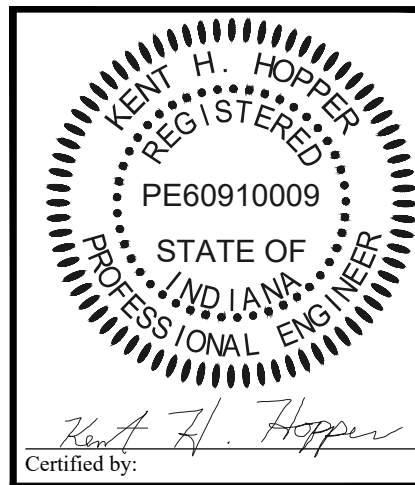
1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE INDIANA ELECTRICAL CODE.
2. ALL MATERIALS SHALL BE NEW.
3. ALL CONDUCTORS SHALL BE COPPER: 2-#12 WITH GROUND OR LARGER AS NOTED OR REQUIRED BY CODE.
4. WIRING SHALL BE TYPE THHN OR THWN-2 PROTECTED BY CONDUIT: MC OR IMC AS REQUIRED BY CODE.
5. FLEXIBLE METALLIC CONDUIT IS ALLOWED WHERE CONCEALED AND PERMITTED BY CODE.
6. LIGHT SWITCHES SHALL BE SINGLE POLE 20-AMP.
7. RECEPTACLES SHALL BE SINGLE POLE 20-AMP UNLESS NOTED OTHERWISE.
8. OMIT OCCUPANCY SENSORS ON LIGHTING IN MAINTENANCE BAYS.

ELECTRICAL SYMBOLS

MARK	DESCRIPTION
	RECEPTACLE - 120V/20AMP
	RECEPTACLE - 240V / SINGLE PHASE
	SINGLE POLE SWITCH - OCCUPANCY SENSOR
	THREE WAY SWITCH - OCCUPANCY SENSOR
	FOUR WAY SWITCH - OCCUPANCY SENSOR
	LED INTERIOR LIGHT FIXTURE
	SWITCH LEG WIRING FOR SINGLE POLE SWITCH
	SWITCH LEG WIRING FOR THREE POLE SWITCH
	FIXTURE WIRING
	EXTERIOR LIGHT FIXTURE
	EMERGENCY BATTERY PACK LIGHT

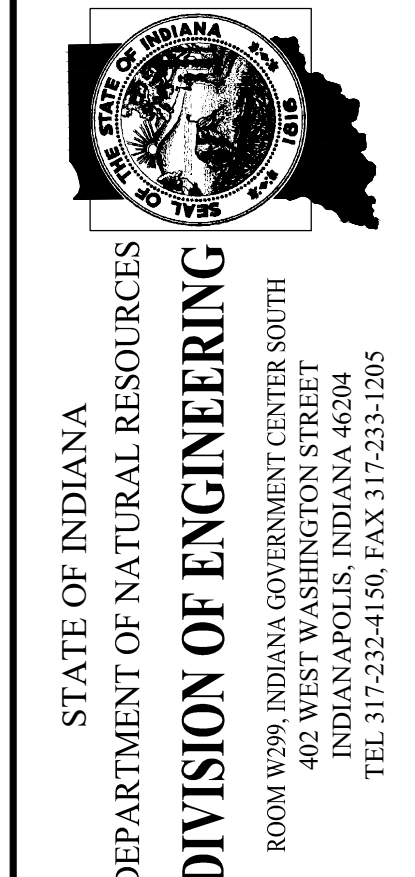


GOOSE POND
LIGHTING PLAN
SCALE: 1/8" = 1'-0"
0 1' 2' 4' 8' 12'



Certified by: *Kent H. Hopper*

F&W Maintenance Building - Goose Pond
Goose Pond Fish & Wildlife Area
DEPT. OF NATURAL RESOURCES
13540 W County Road 400 S
Linton, IN 47441



Revisions:	
Project Number:	ENG2002904496
Requisition Number:	Requisition#
Designer:	Drawing Date:
KH	05/24/23
Drafter:	Drawing Scale:
NS	AS NOTED
DNR Approval:	
Client Approval:	
File Number:	129-004
Drawing Number:	E-2
Sheet:	31 of 31