

PENNSYLVANIA GAME COMMISSION

PROJECT NO. PGC-214-21-02
 STATE GAME LANDS #214
 PYMANTUNING
 WILDLIFE MANAGEMENT AREA BUILDING
 NORTH SHENANGO TOWNSHIP
 CRAWFORD COUNTY
 PENNSYLVANIA

UCC BUILDING APPROVAL

These plans are deemed in compliance with the Pennsylvania Construction Code Law (1999, November 10, P.L. 491, NO. 45) and its regulations.

Plan Code: **B** File Number: **548073** Permit Number: **202300346**

Constr. Type: **VB** Story Height: **1** BSMT:

TYPE REV	BLDG	ELEC	MECH	PLUM	ENERGY	ACCESS
	X	X	X	X	X	X

Occupancy(s): **B**
 Fire Protection:
 Special Inspections:
 Code Edition: 2018 / 2018
 PRIMARY EXAMINER: Banks, Jeffrey A
 Number of Sheets: 11
 Date: 3/31/2023

Jeffrey A. Banks

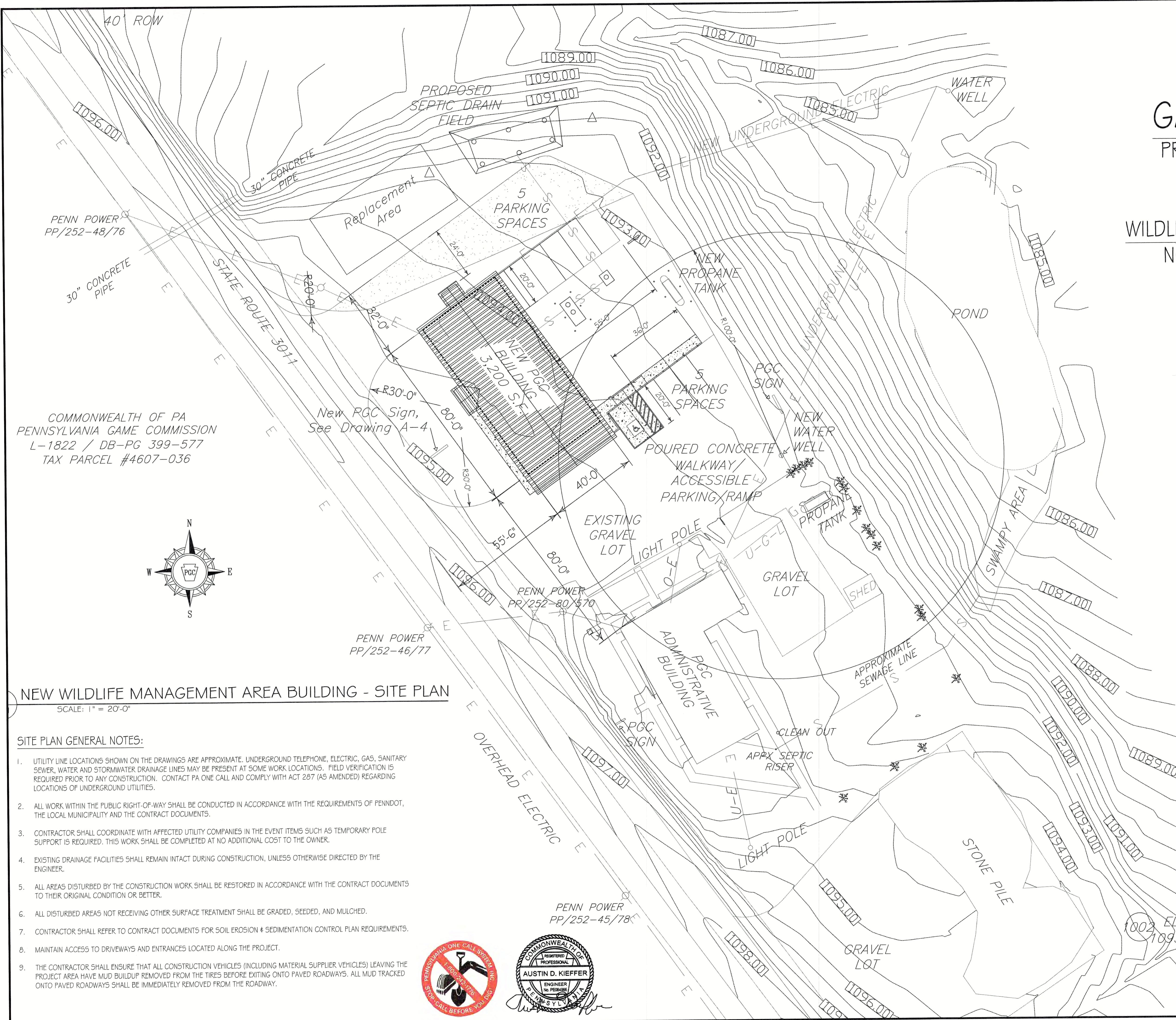
CONTRACTS:

- CONTRACT No. 1- GENERAL CONSTRUCTION
- CONTRACT No. 2- HVAC CONSTRUCTION
- CONTRACT No. 3- PLUMBING CONSTRUCTION
- CONTRACT No. 4- ELECTRICAL CONSTRUCTION

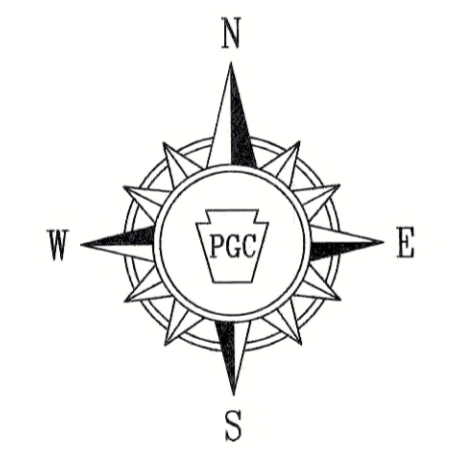
DRAWING INDEX

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PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214 NORTH SHENANGO TWP. CRAWFORD CO.		
NEW 40' x 80' PYMANTUNING WILDLIFE MANAGEMENT AREA BUILDING		
COVER SHEET & BUILDING SITE PLAN		
REVISIONS	PROJECT NO.	PGC-214-21-02
△	DRAWN BY:	CLOUSER/SPOTTS
△	DATE:	2/27/2023
△	SHEET NO.	CS-1



COMMONWEALTH OF PA
 PENNSYLVANIA GAME COMMISSION
 L-1822 / DB-PG 399-577
 TAX PARCEL #4607-036



NEW WILDLIFE MANAGEMENT AREA BUILDING - SITE PLAN

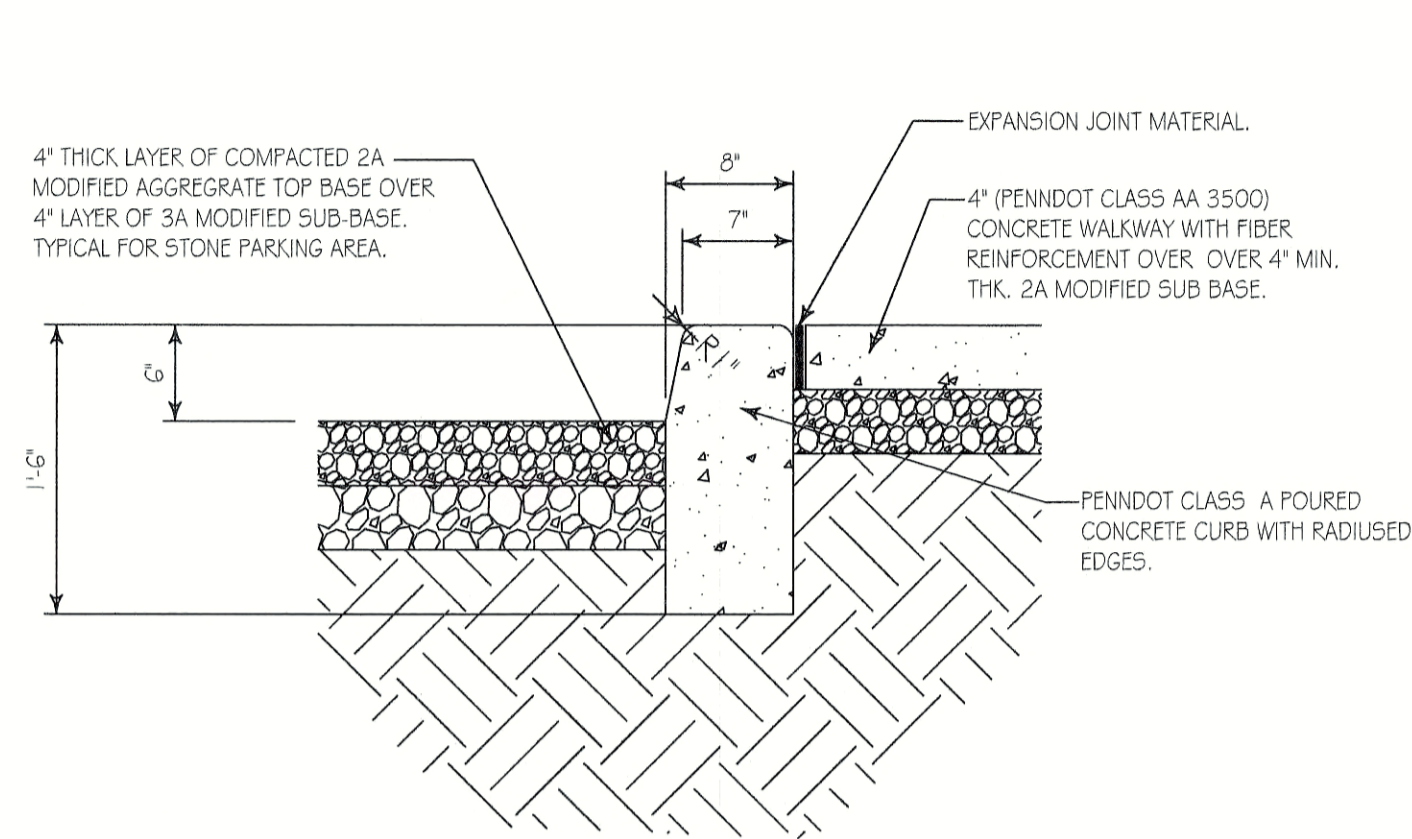
SCALE: 1" = 20'-0"

SITE PLAN GENERAL NOTES:

- UTILITY LINE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. UNDERGROUND TELEPHONE, ELECTRIC, GAS, SANITARY SEWER, WATER AND STORMWATER DRAINAGE LINES MAY BE PRESENT AT SOME WORK LOCATIONS. FIELD VERIFICATION IS REQUIRED PRIOR TO ANY CONSTRUCTION. CONTACT PA ONE CALL AND COMPLY WITH ACT 287 (AS AMENDED) REGARDING LOCATIONS OF UNDERGROUND UTILITIES.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT, THE LOCAL MUNICIPALITY AND THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY COMPANIES IN THE EVENT ITEMS SUCH AS TEMPORARY POLE SUPPORT IS REQUIRED. THIS WORK SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING DRAINAGE FACILITIES SHALL REMAIN INTACT DURING CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL AREAS DISTURBED BY THE CONSTRUCTION WORK SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS TO THEIR ORIGINAL CONDITION OR BETTER.
- ALL DISTURBED AREAS NOT RECEIVING OTHER SURFACE TREATMENT SHALL BE GRADED, SEEDED, AND MULCHED.
- CONTRACTOR SHALL REFER TO CONTRACT DOCUMENTS FOR SOIL EROSION & SEDIMENTATION CONTROL PLAN REQUIREMENTS.
- MAINTAIN ACCESS TO DRIVEWAYS AND ENTRANCES LOCATED ALONG THE PROJECT.
- THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION VEHICLES (INCLUDING MATERIAL SUPPLIER VEHICLES) LEAVING THE PROJECT AREA HAVE MUD BUILDUP REMOVED FROM THE TIRES BEFORE EXITING ONTO PAVED ROADWAYS. ALL MUD TRACKED ONTO PAVED ROADWAYS SHALL BE IMMEDIATELY REMOVED FROM THE ROADWAY.

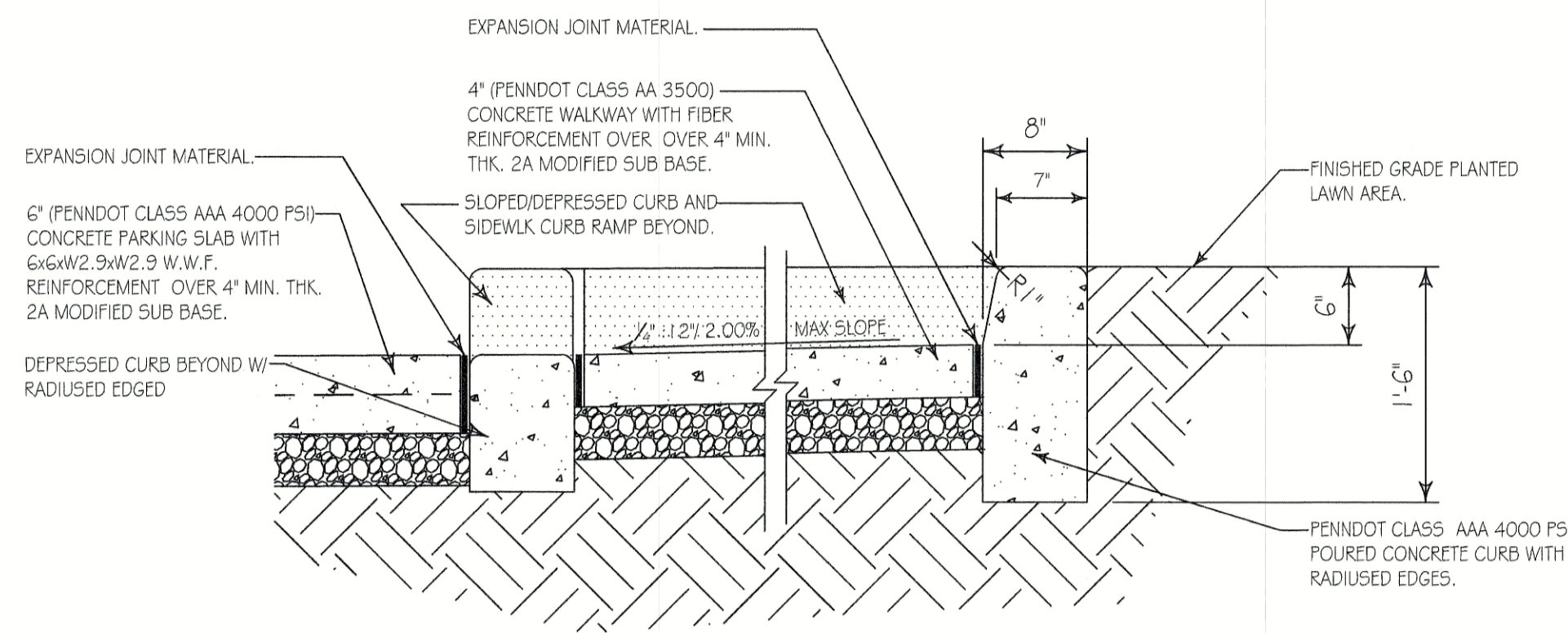


PENN POWER
 PP/252-45/78



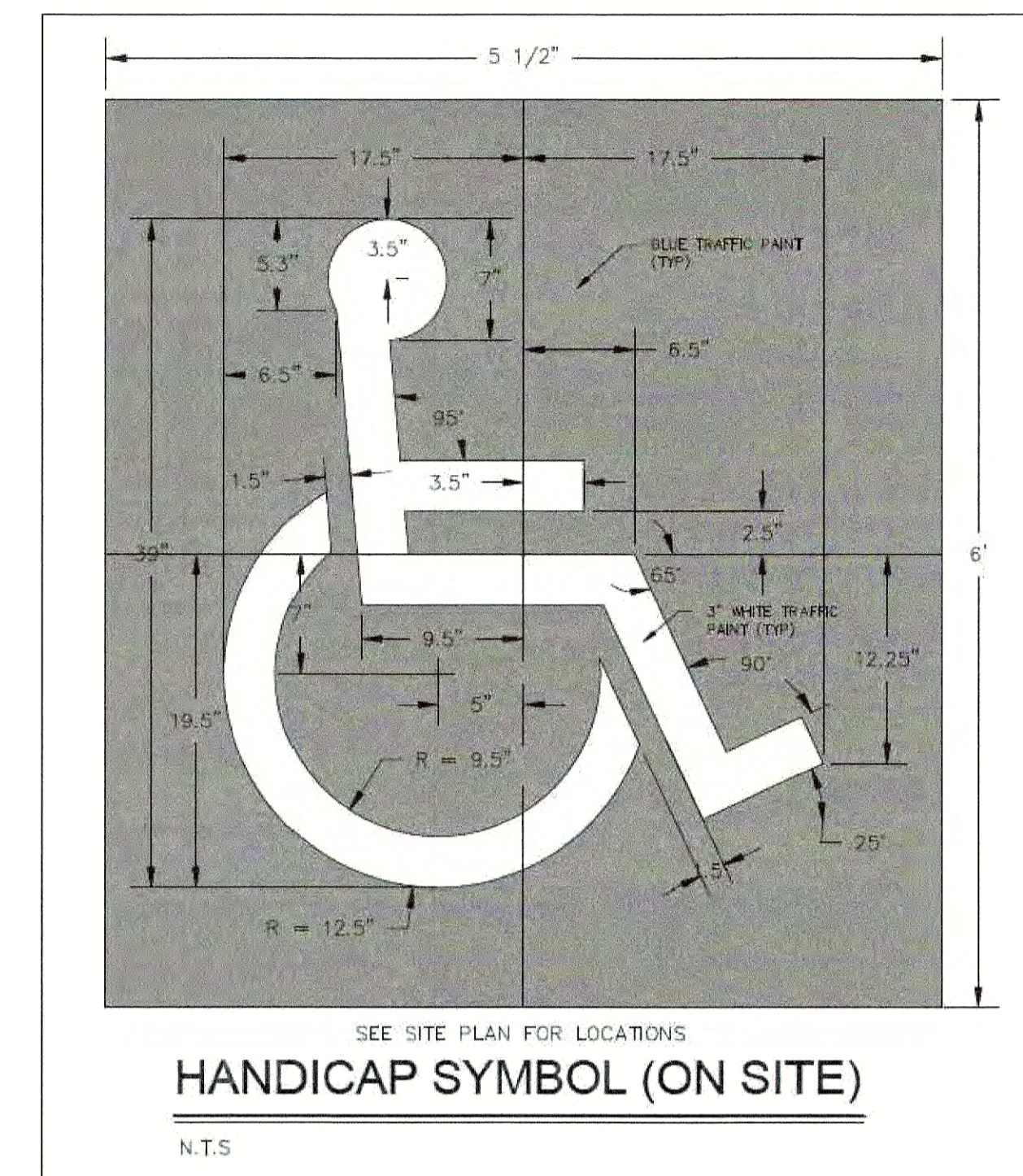
CONCRETE CURB/SIDEWALK DETAIL

SCALE: 1" = 1'-0" (1) SP-1



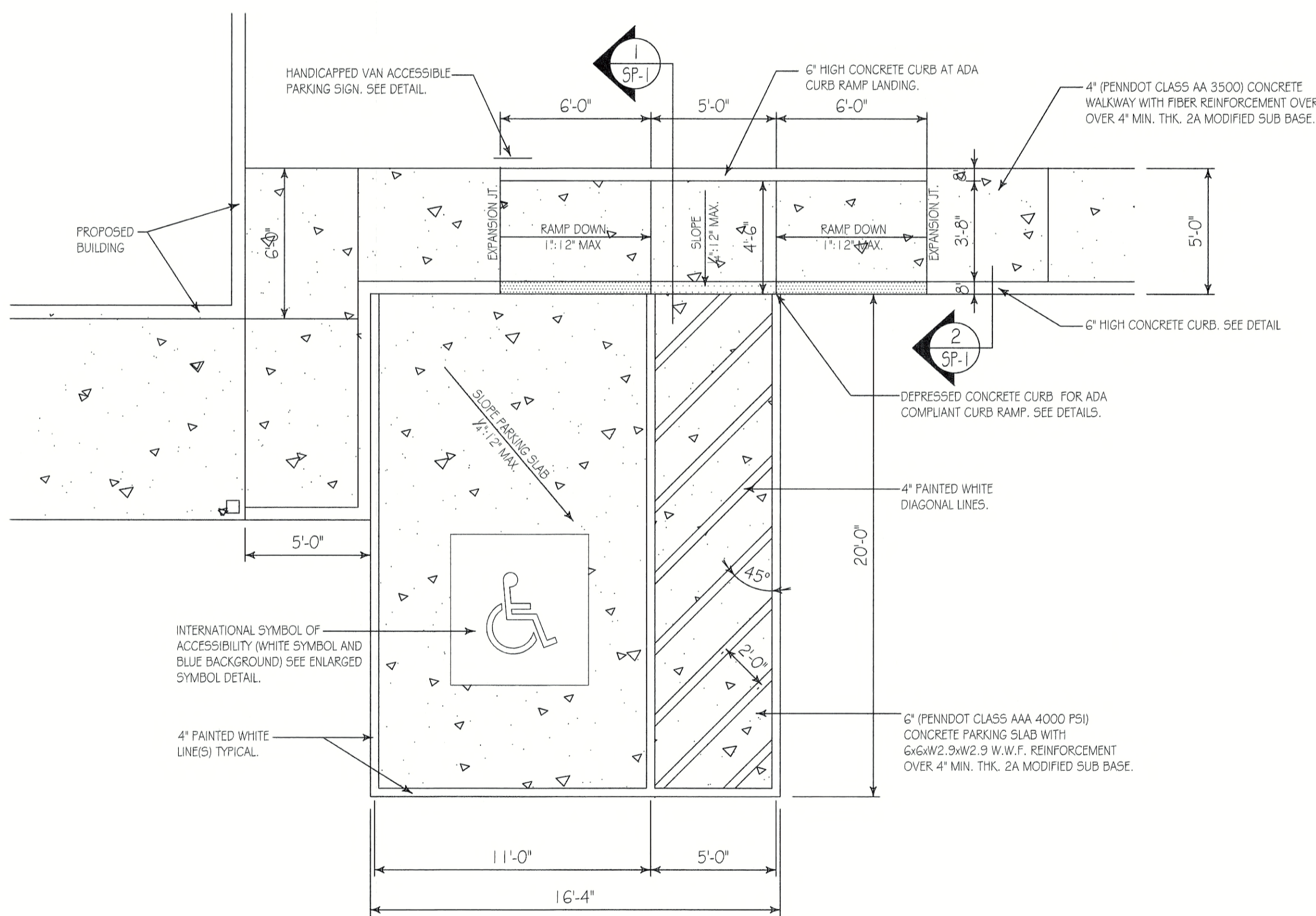
CONCRETE CURB/CURB RAMP LANDING DETAIL

SCALE: 1" = 1'-0" (2) SP-1



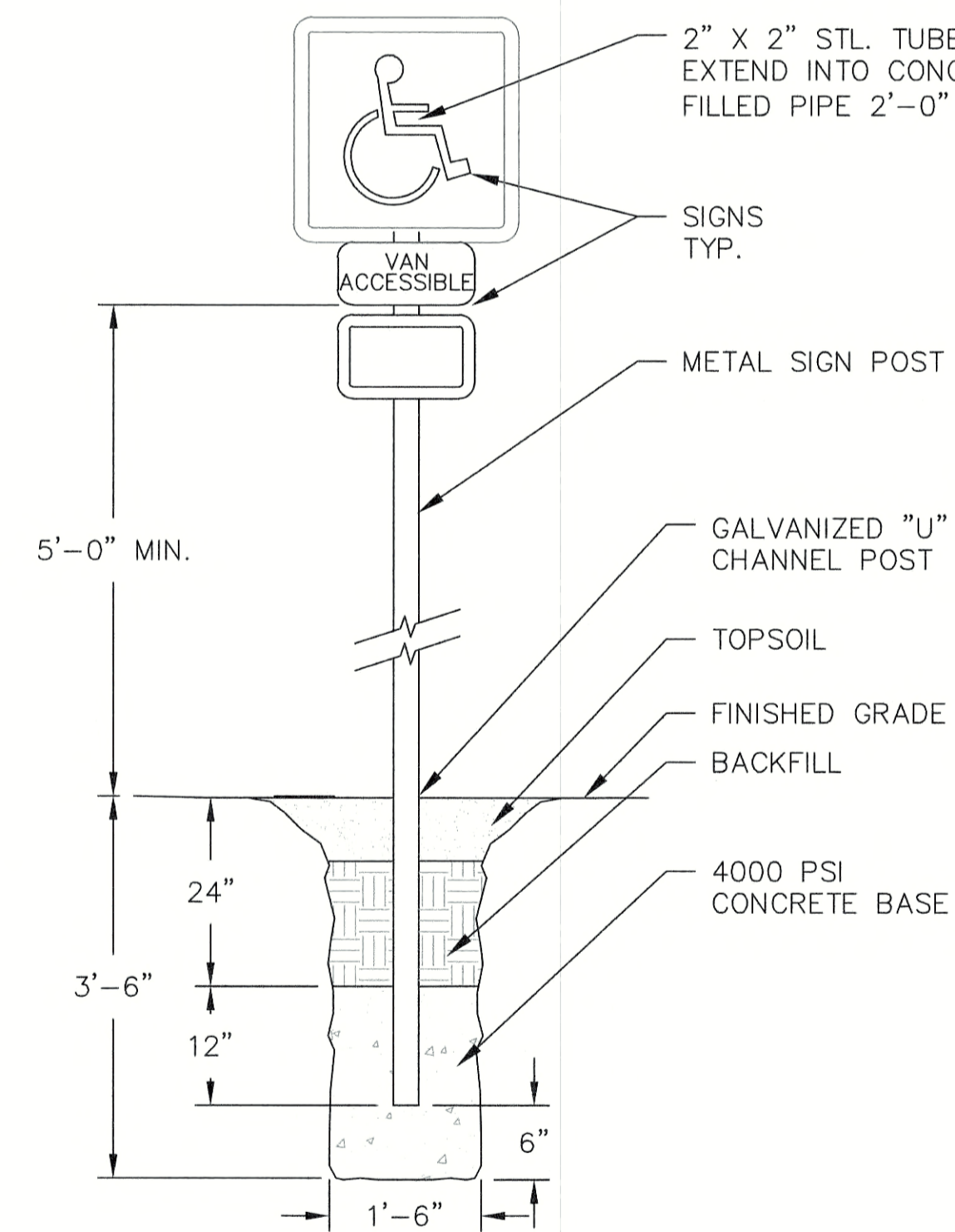
HANDICAP SYMBOL (ON SITE)

N.T.S.



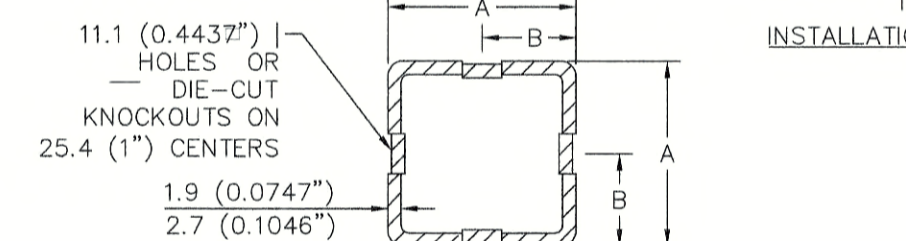
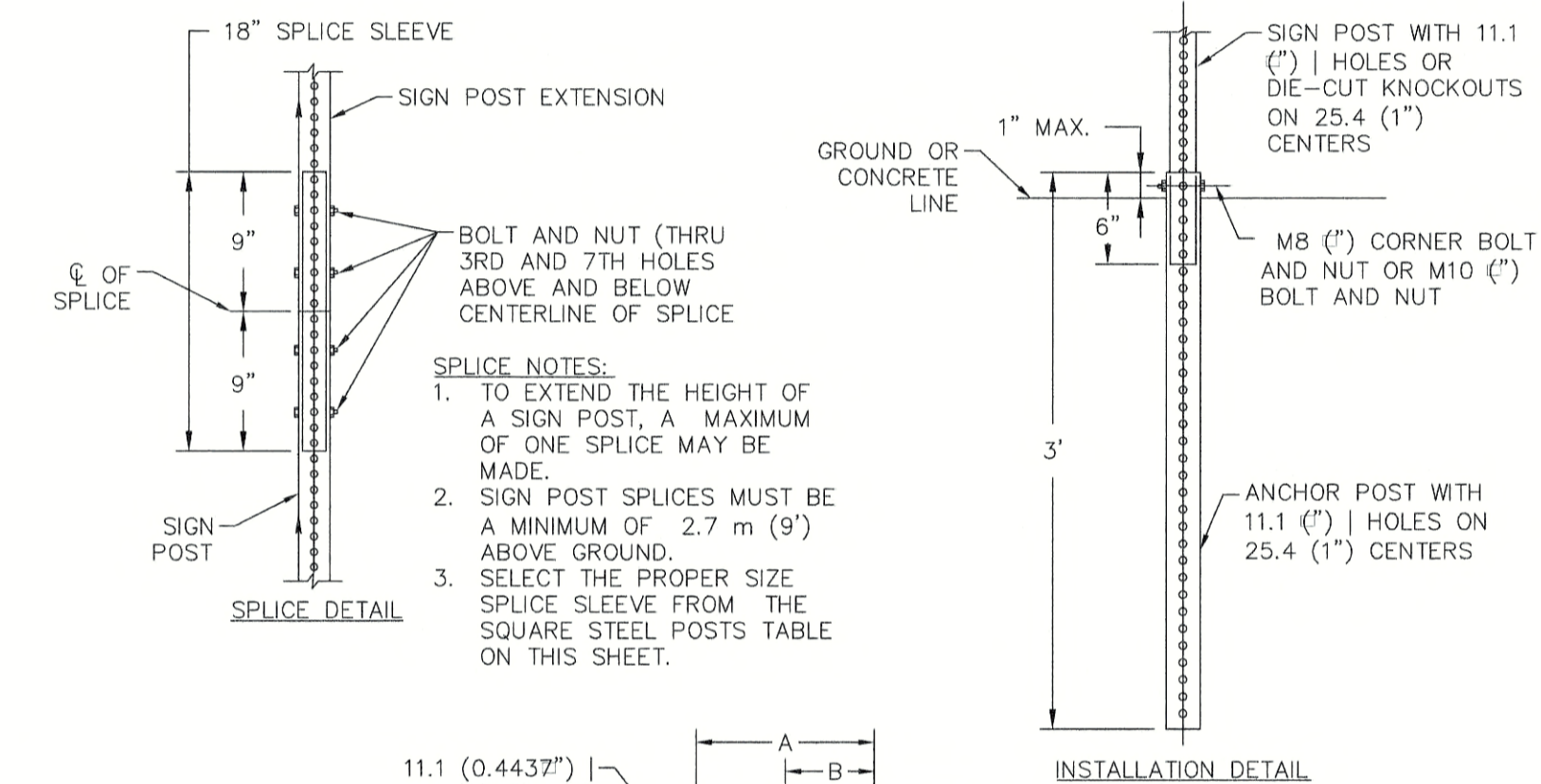
HANDICAPPED PARKING STALL LAYOUT

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



VAN ACCESSIBLE PARKING SIGN

N.T.S.



SIGN POST				ANCHOR POST			
SIZE	DIMENSION		THICK.	SIZE	DIMENSION		THICK.
	A	B			A	B	
1.75"	1.75"	0.875"	0.0747"	2.00"	2.00"	1.000"	0.1046"
2.00"	2.00"	1.000"	0.0747"	2.25"	2.25"	1.125"	0.1046"
2.25"	2.25"	1.125"	0.0747"	2.50"	2.50"	1.250"	0.1046"
ANCHOR SLEEVE *				SPLICE SLEEVE			
SIZE	DIMENSION		THICK.	SIZE	DIMENSION		THICK.
	A	B			A	B	
2.25"	2.25"	1.125"	0.1046"	1.50"	1.50"	0.750"	0.0747"
2.50"	2.50"	1.250"	0.1046"	1.75"	1.75"	0.875"	0.0747"
3.00"	3.00"	1.500"	0.1875"	2.00"	2.00"	1.000"	0.0747"

* ONLY REQUIRED FOR INSTALLATIONS IN CONCRETE.
 SQUARE STEEL POSTS SYSTEM A (REFER TO PENNDOT TC-8702B)
 2.7 mm (0.1046") AND 1.9 mm (0.0747") - 415 MPa (60 KSI)

- NOTES:
 1. STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 30 LBS OR GREATER PER LINEAR FOOT.
 2. AFTER FABRICATION ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A-123.
 3. SIGN MOUNTING HEIGHT TO BE PER MUTCD REQUIREMENTS.
 4. ALL SIGN POSTS SHALL HAVE "BREAK AWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS". THE "BREAK AWAY" FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGN SHOWN ON THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

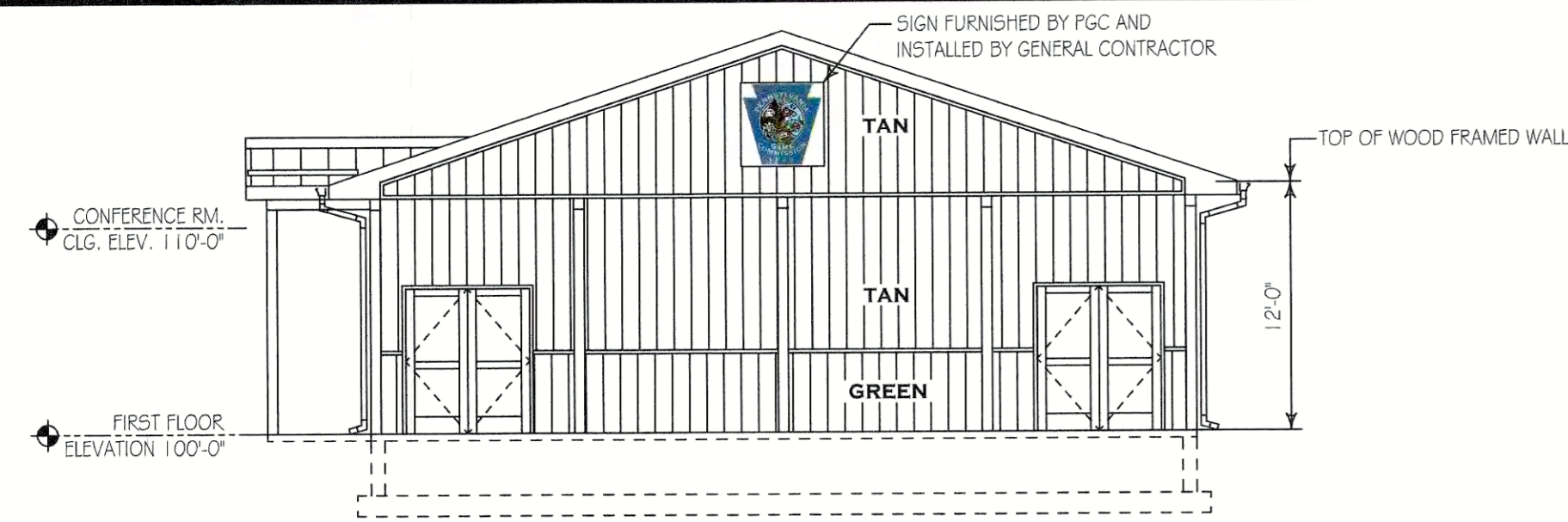
TYPICAL METAL SIGN POST

N.T.S.



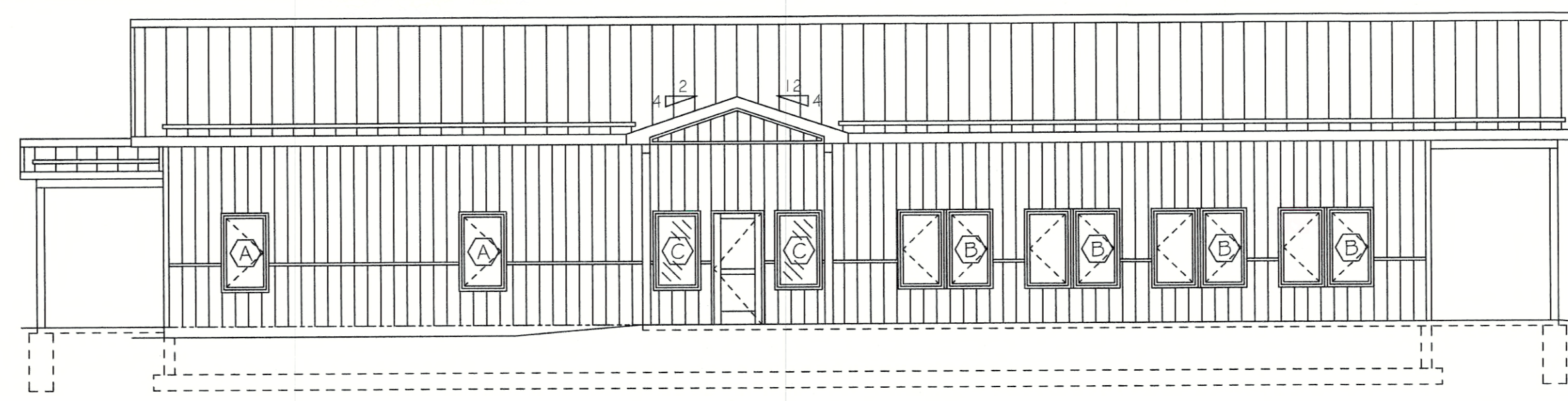
PENNSYLVANIA GAME COMMISSION
 STATE GAME LANDS #214 | NORTH SHENANGO TWP. | CRAWFORD CO.
 NEW 40' x 80' WATERFOWL CHECK BUILDING
 SITE DETAILS # SECTIONS

REVISIONS		PROJECT NO.	PGC-214-21-02
▲		DRAWN BY:	CLOUSER/SPOTTS
▲		DATE:	2/27/2023
▲		SHEET NO.	5P-1



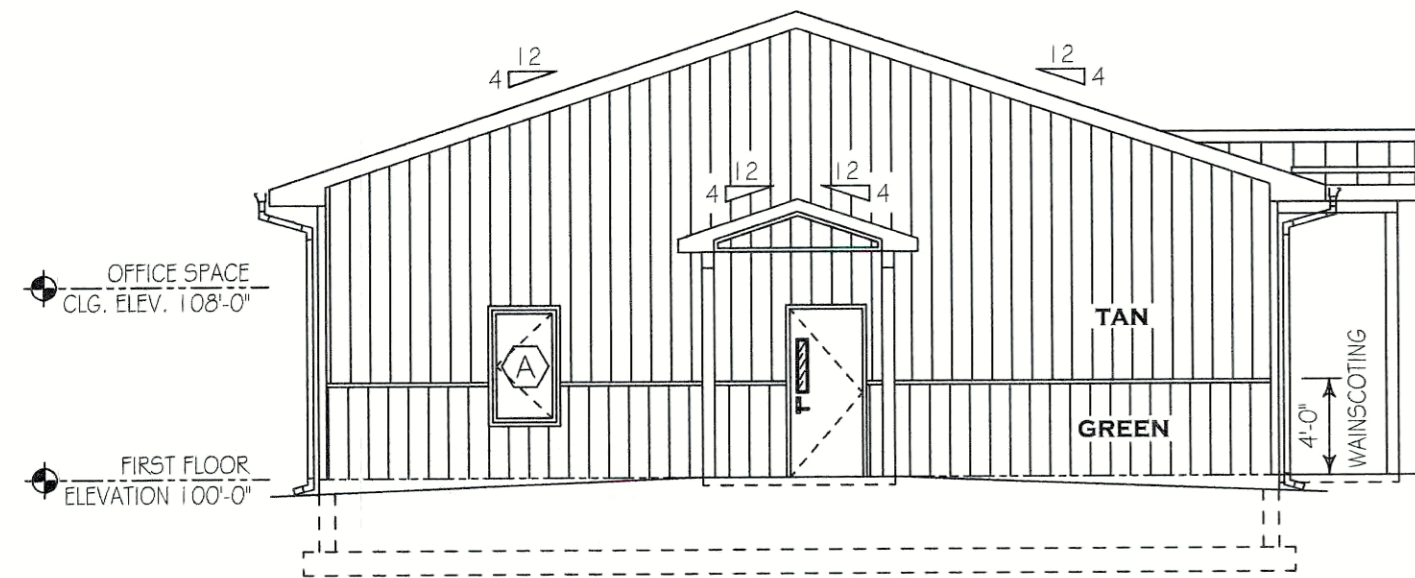
NORTH SIDE ELEVATION

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



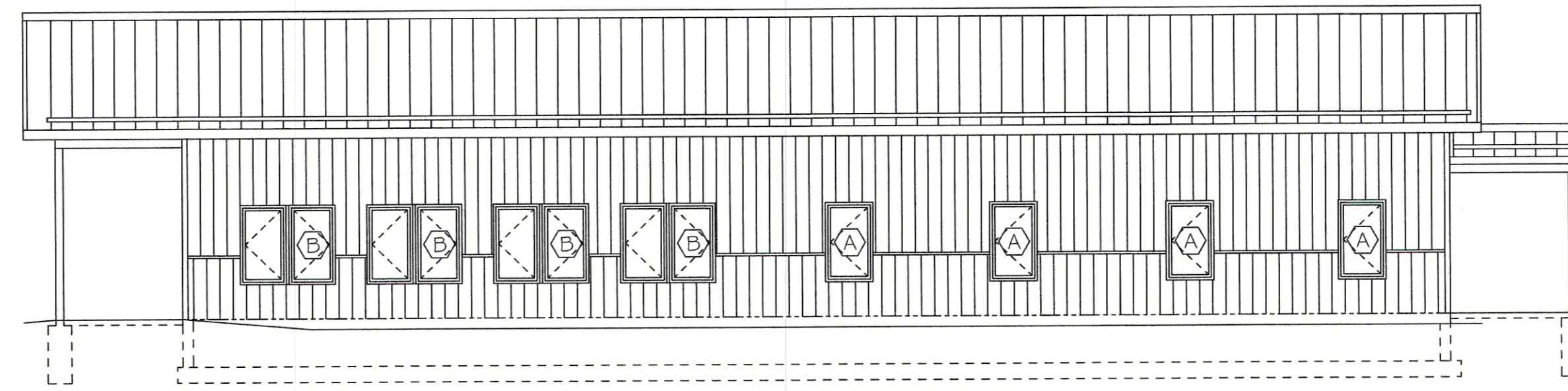
FRONT ELEVATION

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



SOUTH SIDE ELEVATION

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



REAR ELEVATION

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

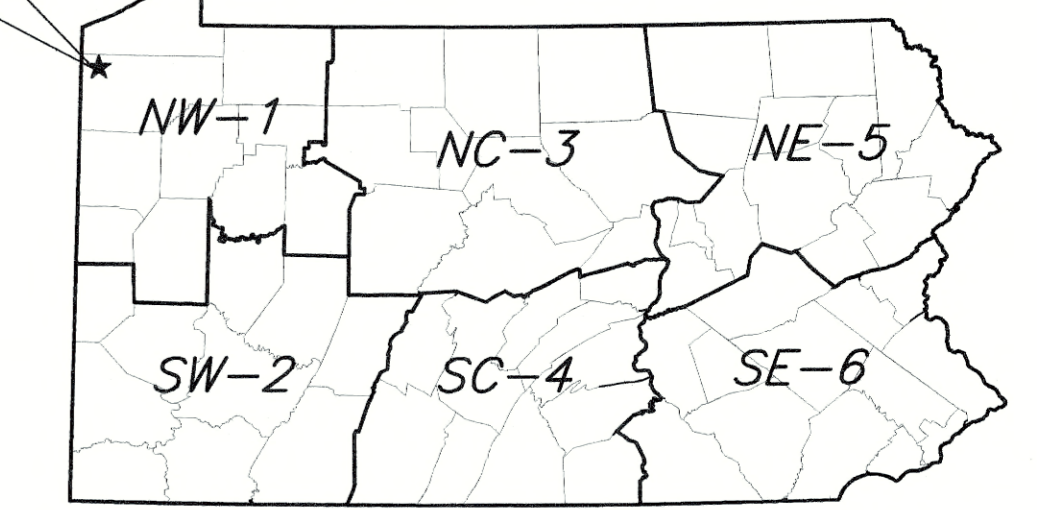
SEE SHEET SP-1 FOR ADDITIONAL INFORMATION REGARDING HANDICAPPED PARKING, ACCESS RAMP & DETAILS.



VICINITY MAP

NO SCALE

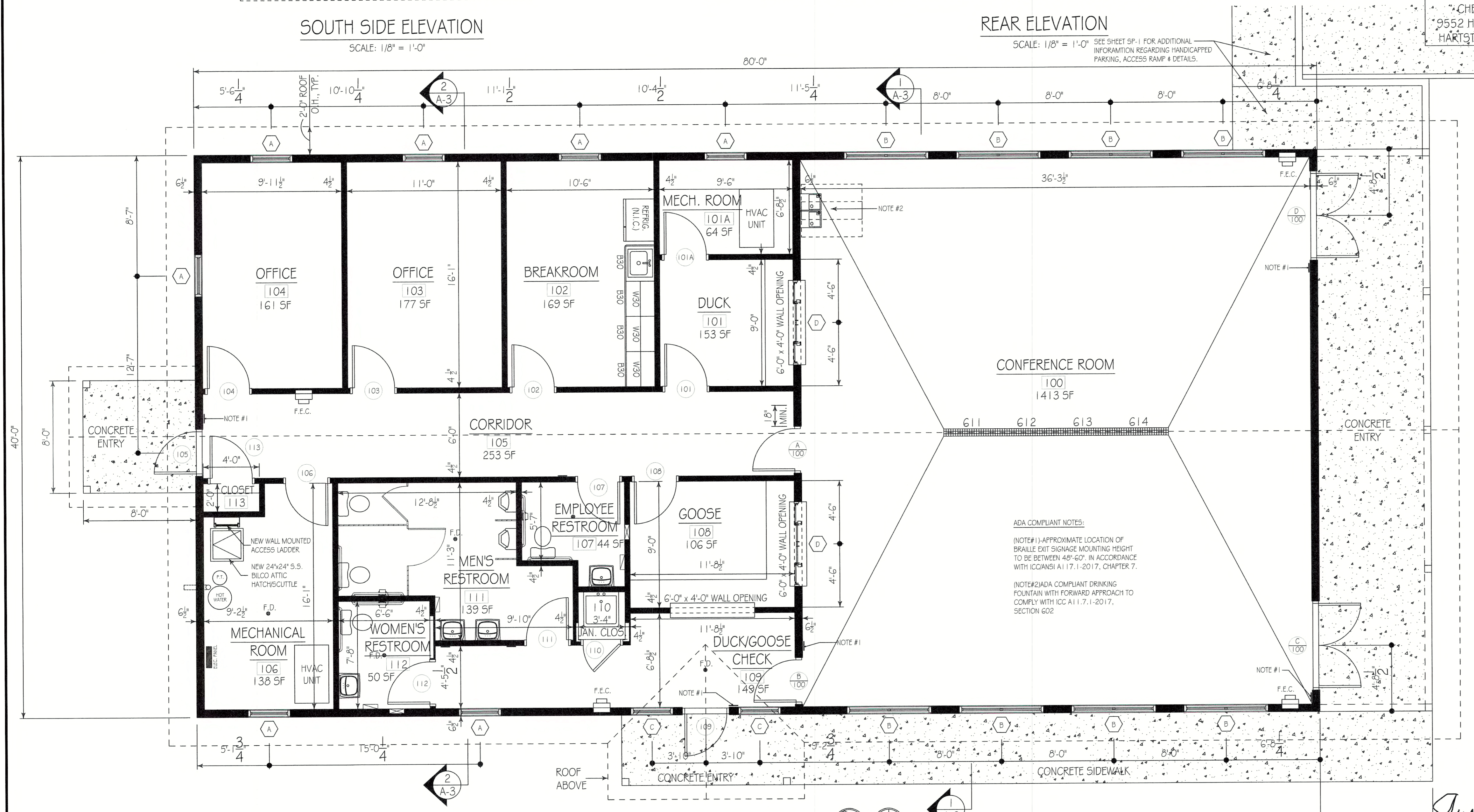
PROJECT LOCATION
STATE GAME LANDS No. 214
PYMATUNING WATERFOWL
CHECK BUILDING
9552 HARTSTOWN ROAD
HARTSTOWN, PA 16131



★ = GEO N41.59175°/-80.40935°W

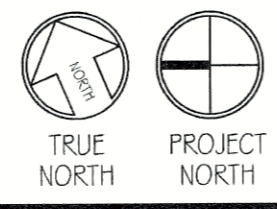
PROJECT LOCATION MAP

NO SCALE



FIRST FLOOR PLAN

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



Austin D. Kieffer

BUILDING CODE SUMMARY

Code: International Building Code, 2018 edition

Scope: Construction of a new 40' x 80' Waterfowl Check Building on State Game Lands No. 214 in North Shenango Township, Crawford County. The new building shall include accommodations for PGC to provide wildlife management, wildlife check, waterfowl hunting programs including supporting staff offices and restrooms for operations.

Summary:

- Use & Occupancy Group: 304.1 B, Buildings occupied for general business office
- Construction Type: VB (Table 601)
- New Building Area: 3,200 s.f.
- Allowable Area: 9,000 s.f. (Table 506.2)
- Building Stories: 1 Story, No basement, Allowable Stories: 2 (Table 504.4)
- Fire Protection: No fire suppression, not required.
- Fire Extinguishers: Units of "A" = 3,200 / 1,500 = 2.13 ~ 3 (Table 906.3(1)) Fire extinguishers contained within approved fire extinguisher cabinets shall be provided at each of the three building exits.
- Occupant Load: Business Areas, Occupancy Factor = 150 gross (Table 1004.5)
- Egress Width: 3,200 S.F./150 = 22 Persons
- Means Of Egress: 22 x 0.2 inches = 4.4 inches min. (1005.1).
- Accessibility: 4 Exits provided = 216 inches; 2 required (1007.1, Table 1006.3.2).
- Energy Efficiency: All building features shall be fully ADA compliant in accordance with the 2018 IBC Chapters 11 - Accessibility and ICC A117.1-2017 Building to be fully heated and air conditioned. Building envelope, HVAC system and lighting systems shall comply with all International Conservation Code (ICC) applicable provisions.

PENNSYLVANIA GAME COMMISSION

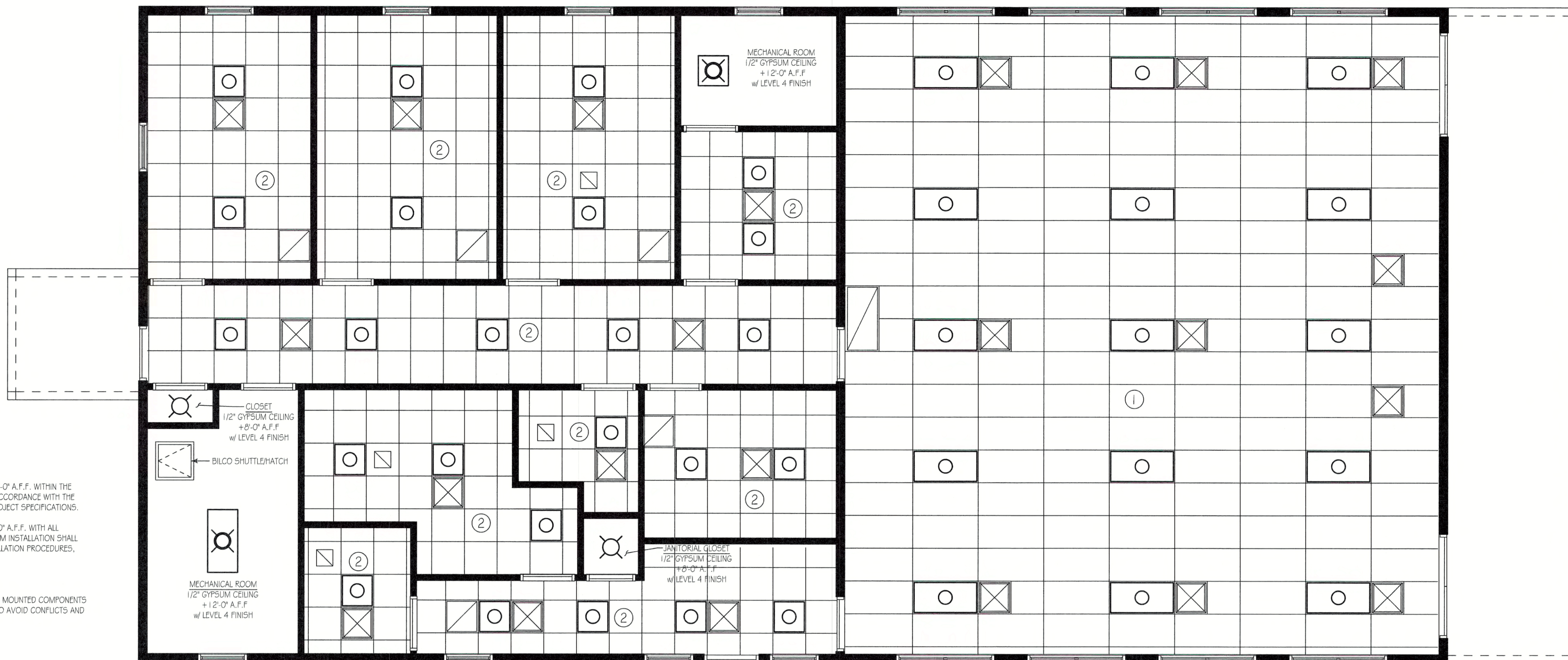
STATE GAME LANDS #214 NORTH SHENANGO TWP. CRAWFORD CO.		
NEW 40' x 80' WATERFOWL CHECK BUILDING		
BUILDING FLOOR PLAN & ELEVATIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
▲	DRAWN BY:	CLOUSER/POTTS
▲	DATE:	2/27/2023
▲	SHEET NO.	A-1

RCP LEGEND

- NEW 2'x4' SUSPENDED ACOUSTICAL CEILING SYSTEM, 10'-0" A.F.F.
NEW 2'x2' SUSPENDED ACOUSTICAL CEILING SYSTEM, 8'-0" A.F.F.
NEW SUPPLY AIR REGISTER (SEE HVAC DRAWING)
NEW RETURN AIR REGISTER (SEE HVAC DRAWING)
NEW 2'x4' LED FLAT PANEL RECESSED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
NEW 2'x2' LED FLAT PANEL RECESSED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
NEW 2'x4' LED FLAT PANEL SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
NEW LED FLAT PANEL SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
NEW SMOKE DETECTOR

REFLECTED CEILING PLAN - CONSTRUCTION NOTES

- 1. FURNISH AND INSTALL A NEW 2'x4' SUSPENDED ACOUSTICAL TILE CEILING SYSTEM, 10'-0" A.F.F. WITHIN THE CONFERENCE ROOM. NEW SUSPENDED CEILING SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRODUCT SPECIFICATIONS AND INSTALLATION PROCEDURES, SEE PROJECT SPECIFICATIONS.
2. FURNISH AND INSTALL A NEW 2'x2' SUSPENDED ACOUSTICAL TILE CEILING SYSTEM, 8'-0" A.F.F. WITH ALL OFFICES, BATHROOMS, AND REAR ENTRY CORRIDOR. NEW SUSPENDED CEILING SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRODUCT SPECIFICATIONS AND INSTALLATION PROCEDURES, SEE PROJECT SPECIFICATIONS.
NOTE: COORDINATE THE INSTALLATION OF NEW SUSPENDED CEILING SYSTEMS, NEW CEILING MOUNTED COMPONENTS AND ELECTRICAL DEVICES (OCCUPANCY SENSORS) WITH THE ELECTRICAL DRAWINGS TO AVOID CONFLICTS AND OBSTRUCTIONS.



FIRST FLOOR REFLECTED CEILING PLAN

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

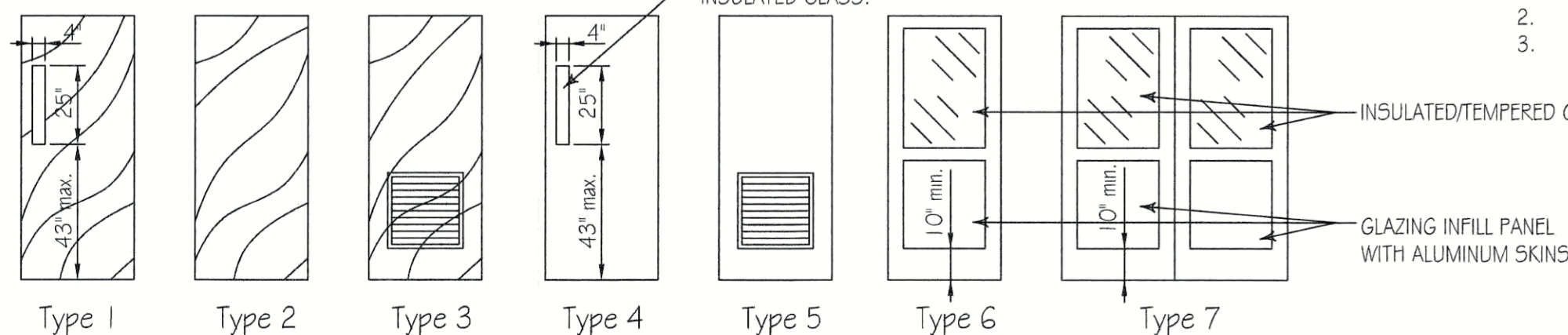
DOOR SCHEDULE

Table with columns: DOOR (No., Fire Rating, Width, Height, Thk., Matl.), DOOR FRAME (Hardware, Type, Matl., Fire Rating, Remarks), and Remarks. Lists door types 100A through 113.

DOOR SCHEDULE NOTES:

- 1. ACCESSIBILITY SIGNAGE SHALL BE PROVIDED ADJACENT TO DOOR NOS. 107, 111, & 112 IN ACCORDANCE WITH DRAWING A-5
2. EXIT SIGNAGE SHALL BE PROVIDED ADJACENT TO DOOR NOS. 100B, 100C, 100D, 105 & 109 IN ACCORDANCE WITH DRAWING A-1
3. SEE PROJECT SPECIFICATIONS FOR HARDWARE SETS. ALL CORES TO BE BEST CORMAX, 7 PIN COMPATIBLE AND KEYPED TO PGC KEYING SYSTEM.

DOOR TYPES:



DOOR HARDWARE SETS:

HARDWARE SET #1 (EXTERIOR DOORS, ALUMINUM-FRAMED ENTRANCE DOORS)

- 1. DOUBLE DOOR EXIT DEVICE: KAWNEER 1 686 CONCEALED ROD EXIT DEVICE WITH MORTISED CYLINDER w/ 630 SATIN STAINLESS STEEL FINISH
2. DOUBLE DOORS: INACTIVE LEAF SHALL HAVE ONE PAIR OF KAWNEER FLUSH BOLTS
3. SINGLE DOOR EXIT DEVICE: PRECISION 2108 x V4908A PANIC EXIT DEVICE # LEVER HANDLE w/ 630 SATIN STAINLESS STEEL FINISH WITH BEST ACCESS PRODUCTS 12E72 RIM CYLINDER w/626 SATIN CHROME FINISH. PERMANENT CORES TO BE CORMAX PATENTED.
4. CORES AND KEYING SHALL BE PROVIDED BY DORMAKABA
5. KAWNEER TOP AND BOTTOM 4 1/2" x 4" BALL BEARING HINGES w/626 SATIN CHROME FINISH.
6. CLOSER: STANLEY D-4550-HCS-689-SN DOOR CLOSER, EACH LEAF
7. WEATHER TIGHT GASKET
8. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
9. NATIONAL GUARD PRODUCTS G607DKB NYLON BRUSH SEAL

HARDWARE SET #2

- 1. PRECISION 2108 x V4908A PANIC EXIT DEVICE # LEVER HANDLE w/ 630 SATIN STAINLESS STEEL FINISH
2. BEST ACCESS PRODUCTS 12E72 RIM CYLINDER w/626 SATIN CHROME FINISH. PERMANENT CORES TO BE CORMAX PATENTED.
3. STANLEY D-4550-HCS-689-SN DOOR CLOSER
4. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES
5. ROCKWOOD K1050 (10934) KICK PLATE, PUSH SIDE ONLY w/ 630 SATIN STAINLESS STEEL FINISH.

HARDWARE SET #3

- 1. DORMAKABA BEST ACCESS SYSTEMS 9K30L GRADE 1 PASSAGE LEVER SET w/ 630 SATIN STAINLESS STEEL FINISH
2. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES

HARDWARE SET #4

- 1. DORMAKABA BEST ACCESS SYSTEMS 9K30L GRADE 1 PRIVACY LEVER SET w/ 630 SATIN STAINLESS STEEL FINISH
2. STANLEY D-4550-HCS-689-SN DOOR CLOSER
3. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES

HARDWARE SET #5

- 1. PRECISION 2108 x V4908A PANIC EXIT DEVICE # LEVER HANDLE w/ 630 SATIN STAINLESS STEEL FINISH
2. BEST ACCESS PRODUCTS 12E72 RIM CYLINDER w/626 SATIN CHROME FINISH. PERMANENT CORES TO BE CORMAX PATENTED. CORES AND KEYING SHALL BE PROVIDED BY DORMAKABA
3. STANLEY D-4550-HCS-689-SN DOOR CLOSER
4. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES
5. ROCKWOOD K1050 (10934) KICK PLATE, PUSH SIDE ONLY w/ 630 SATIN STAINLESS STEEL FINISH
6. WEATHER TIGHT GASKET
7. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
9. NATIONAL GUARD PRODUCTS G607DKB NYLON BRUSH SEAL

HARDWARE SET #6

- 1. BEST ACCESS SYSTEMS 9K337D GRADE 1 STOREROOM LEVER LOCK w/ 630 SATIN STAINLESS STEEL FINISH
2. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES

HARDWARE SET #7

- 1. DORMAKABA BEST ACCESS SYSTEMS 9K30L GRADE 1 PASSAGE LEVER SET w/ 630 SATIN STAINLESS STEEL FINISH
2. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES
3. STANLEY D-4550-HCS-689-SN DOOR CLOSER

HARDWARE SET #8 (EXTERIOR DOOR, SINGLE LEAF, ALUMINUM-FRAMED ENTRANCE DOORS)

- 1. SINGLE DOOR EXIT DEVICE: PRECISION 2108 x V4908A PANIC EXIT DEVICE # LEVER HANDLE w/ 630 SATIN STAINLESS STEEL FINISH WITH BEST ACCESS PRODUCTS 12E72 RIM CYLINDER w/626 SATIN CHROME FINISH. PERMANENT CORES TO BE CORMAX PATENTED. CORES AND KEYING SHALL BE PROVIDED BY DORMAKABA
2. KAWNEER TOP AND BOTTOM 4 1/2" x 4" BALL BEARING HINGES w/626 SATIN CHROME FINISH.
3. CLOSER: STANLEY D-4550-HCS-689-SN DOOR CLOSER.
4. WEATHER TIGHT GASKET
5. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
6. NATIONAL GUARD PRODUCTS G607DKB NYLON BRUSH SEAL

GENERAL HARDWARE NOTE: - EACH DOOR IN HOLLOW METAL/STEEL FRAME TO RECEIVE THE FOLLOWING-

- 1. ROCKWOOD 470 OR 404, DOOR STOP (VERIFY FLOOR OR WALL MOUNTED TYPE) w/ 626 SATIN CHROME FINISH.
2. ROCKWOOD 608-RKW DOOR SILENCES (3) MINIMUM PER DOOR.

WINDOW SCHEDULE

Table with columns: WINDOW No., STYLE, WIDTH, HEIGHT, MATL., MANUFACTURER, SERIES, REMARKS. Lists window types A through D.

WINDOW SCHEDULE NOTES:

- 1. SEE PROJECT SPECIFICATIONS FOR ALL PERFORMANCE PROPERTIES AND SELECTED FINISHES FOR ALL WINDOWS.
2. ALL OPERABLE WINDOWS SHALL INCLUDE INSECT SCREENS.

ROOM FINISH SCHEDULE

Table with columns: NUMBER, NAME, FLOOR, BASE, WALL (North, South, West, East), CEILING, REMARKS. Lists room finishes for rooms 100 through 113.

ROOM FINISH SCHEDULE KEY NOTES:

- (1) FLOOR: A. LUXURY VINYL PLANK FLOORING SYSTEM, B. QUARTZ EPOXY FLOORING SYSTEM
(2) BASE: A. 4" HIGH VINYL COVE BASE, B. 4" INTEGRAL EPOXY BASE
(3) WALLS: A. NEW GYPSUM WALL BOARD, LEVEL 4 FINISH, PAINT, B. CLASS A FIBERGLASS REINFORCED PANEL (FRP) SYSTEM WITH 1/2" GYPSUM PANEL BACK UP, C. CLASS A FIBERGLASS REINFORCED PANEL (FRP) SYSTEM, 4" ABOVE FINISHED FLOOR (WANSCOT), WITH 1/2" GYPSUM PANEL BACK UP, LEVEL 4 FINISH, PAINT
(4) CEILING: A. 2'x4' NEW SUSPENDED ACOUSTICAL TILE CEILING SYSTEM, B. 2'x2' NEW SUSPENDED ACOUSTICAL TILE CEILING SYSTEM, C. 1/2" THICK GYPSUM PANEL CEILING, LEVEL 4 FINISH, PAINT
(5) REMARKS

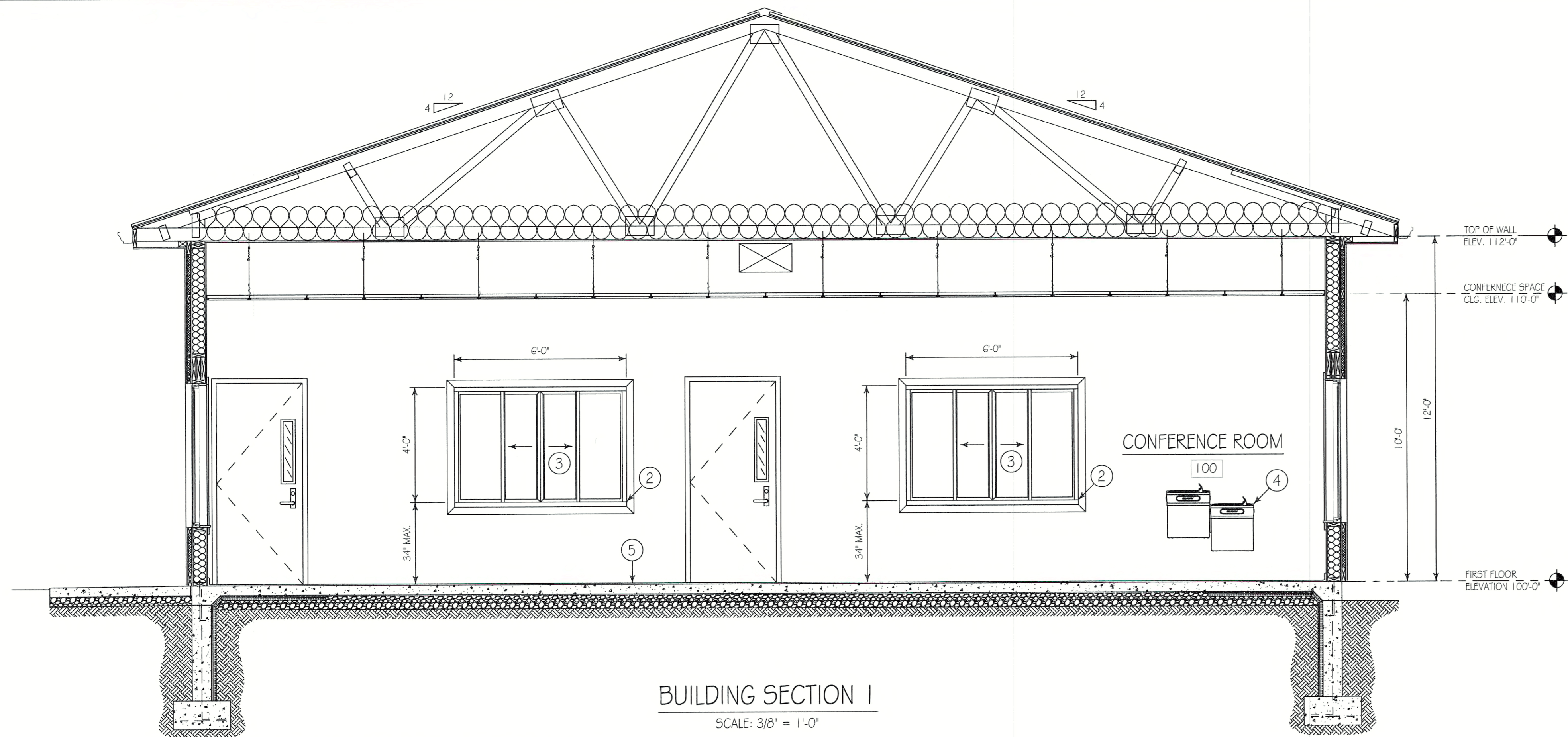


PENNSYLVANIA GAME COMMISSION

STATE GAME LANDS #214 NORTH SHENANGO TWP. CRAWFORD CO.

NEW 40' x 80' WATERFOWL CHECK BUILDING BUILDING REFLECTED CEILING PLAN # SCHEDULES

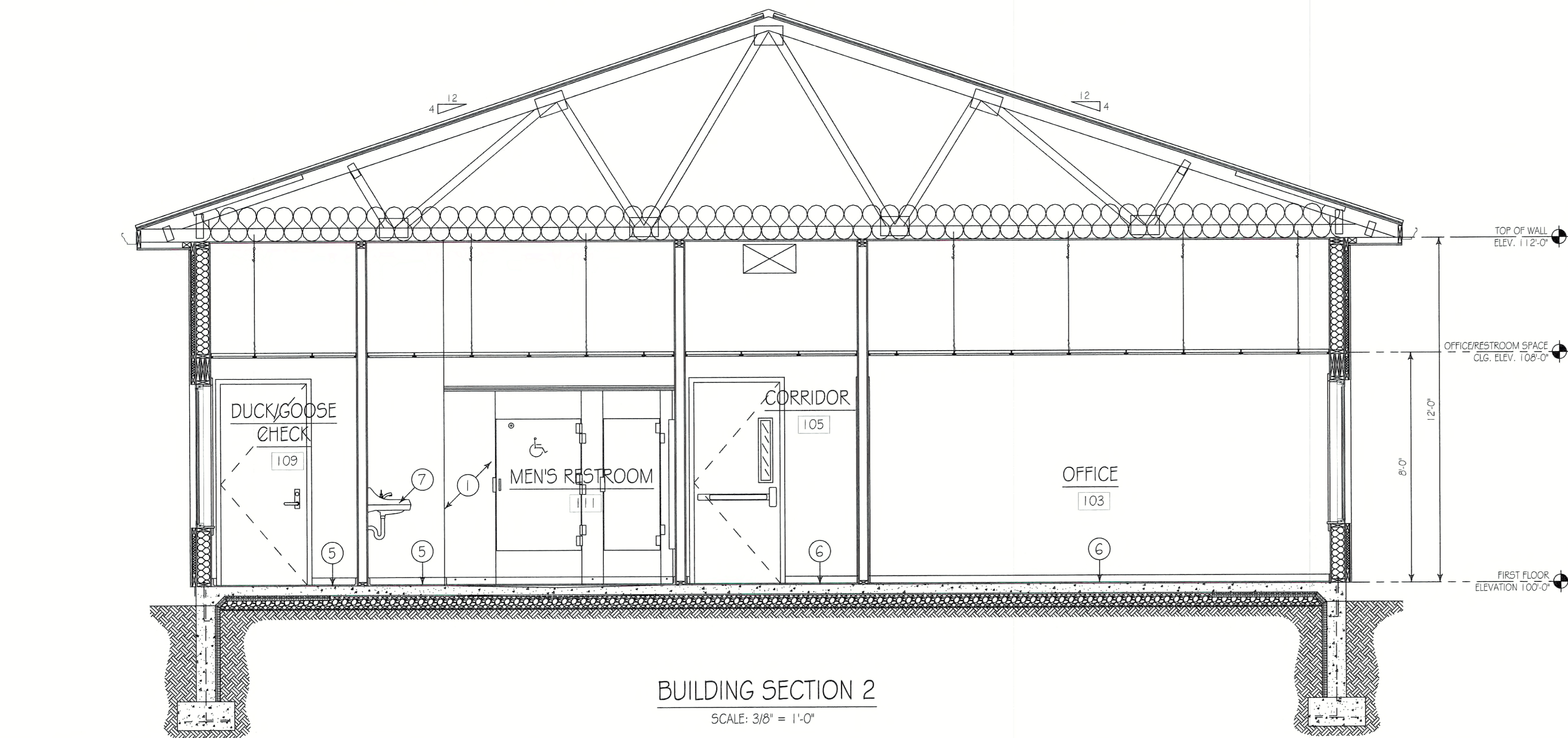
Table with columns: REVISIONS, PROJECT NO. (PGC-214-21-02), DRAWN BY (CLOUSER/SPOTTS), DATE (2/23/2023), SHEET NO. (A-2)



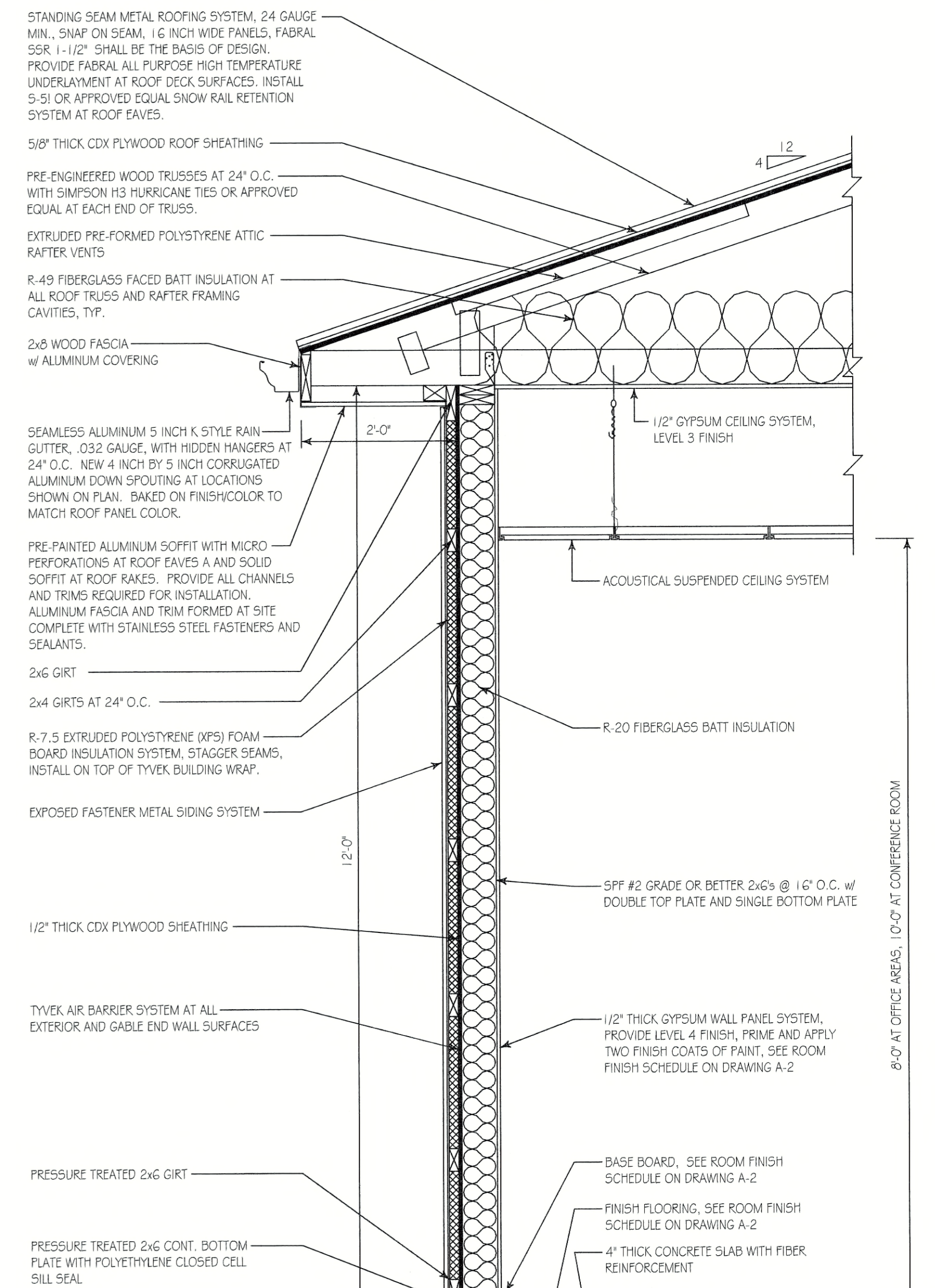
BUILDING SECTION 1
SCALE: 3/8" = 1'-0"

BUILDING SECTION CONSTRUCTION NOTES

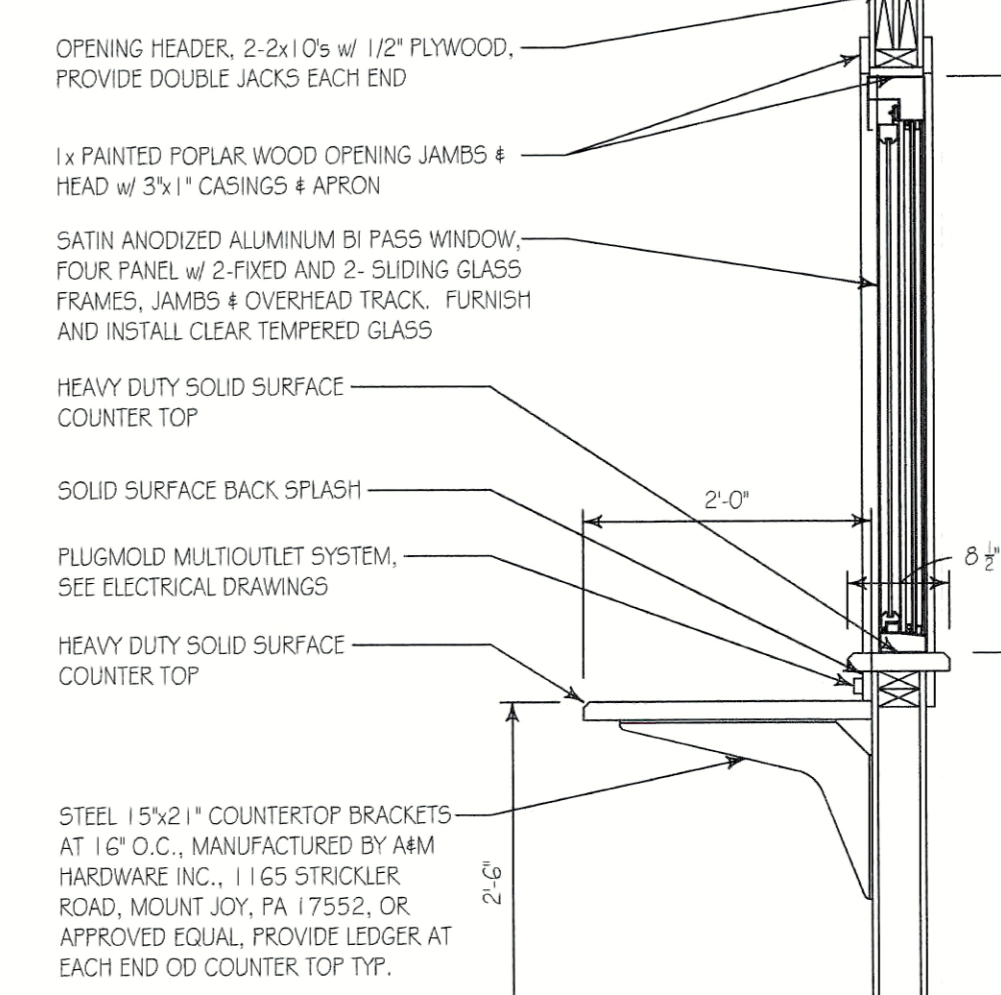
- ① SOLID PLASTIC (HDPE) FLOOR MOUNTED OVERHEAD BRACED TOILET COMPARTMENTS. SEE PROJECT SPECIFICATIONS.
- ② HEAVY DUTY SOLID SURFACE COUNTERTOPS. SEE DETAIL THIS DRAWING.
- ③ SATIN ANODIZED ALUMINUM BI PASS WINDOW, FOUR PANEL w/ 2-FIXED AND 2- SLIDING GLASS FRAMES, JAMBS & OVERHEAD TRACK. FURNISH AND INSTALL CLEAR TEMPERED GLASS.
- ④ ELKAY VERSATILE WALL MOUNT BI-LEVEL FILTERED REFRIGERATED LIGHT GRAY GRANITE WATER FOUNTAIN. PROVIDE ALL WOOD BLOCKING, ANCHORS AND MOUNTING HARDWARE REQUIRED FOR INSTALLATION. BY P.C.
- ⑤ APPLY A QUARTZ EPOXY FLOORING SYSTEM WITH 4" HIGH INTEGRAL COVE BASE AND UNDERLAYS WITHIN ALL RESTROOMS, MECHANICAL ROOM AND DUCK & GOOSE CHECK REAR FOYER. PROVIDE ADA COMPLIANT THRESHOLD AT TRANSITION TO OTHER FINISH FLOORING SYSTEMS.
- ⑥ RESILIENT TILE FLANK FLOORING SYSTEM WITH SUBFLOOR PREPARATION, ADHESIVES AND ACCESSORIES. FURNISH AND INSTALL 4" HIGH VINYL COVE BASE, COLOR TO MATCH FINISH FLOORING, AT ALL TILE FLANK FLOORING AREAS.
- ⑦ ADA WALL HUNG LAVATORY. SEE SPECIFICATIONS.



BUILDING SECTION 2
SCALE: 3/8" = 1'-0"



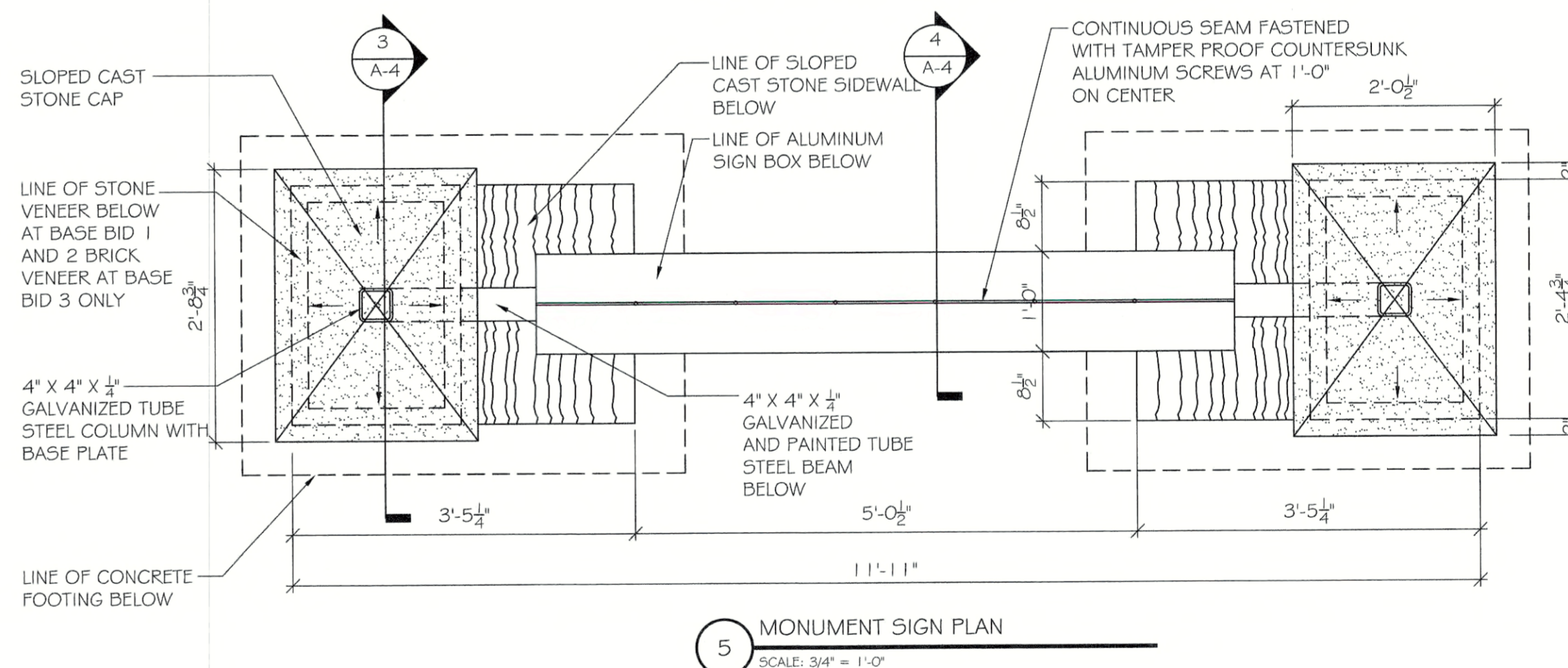
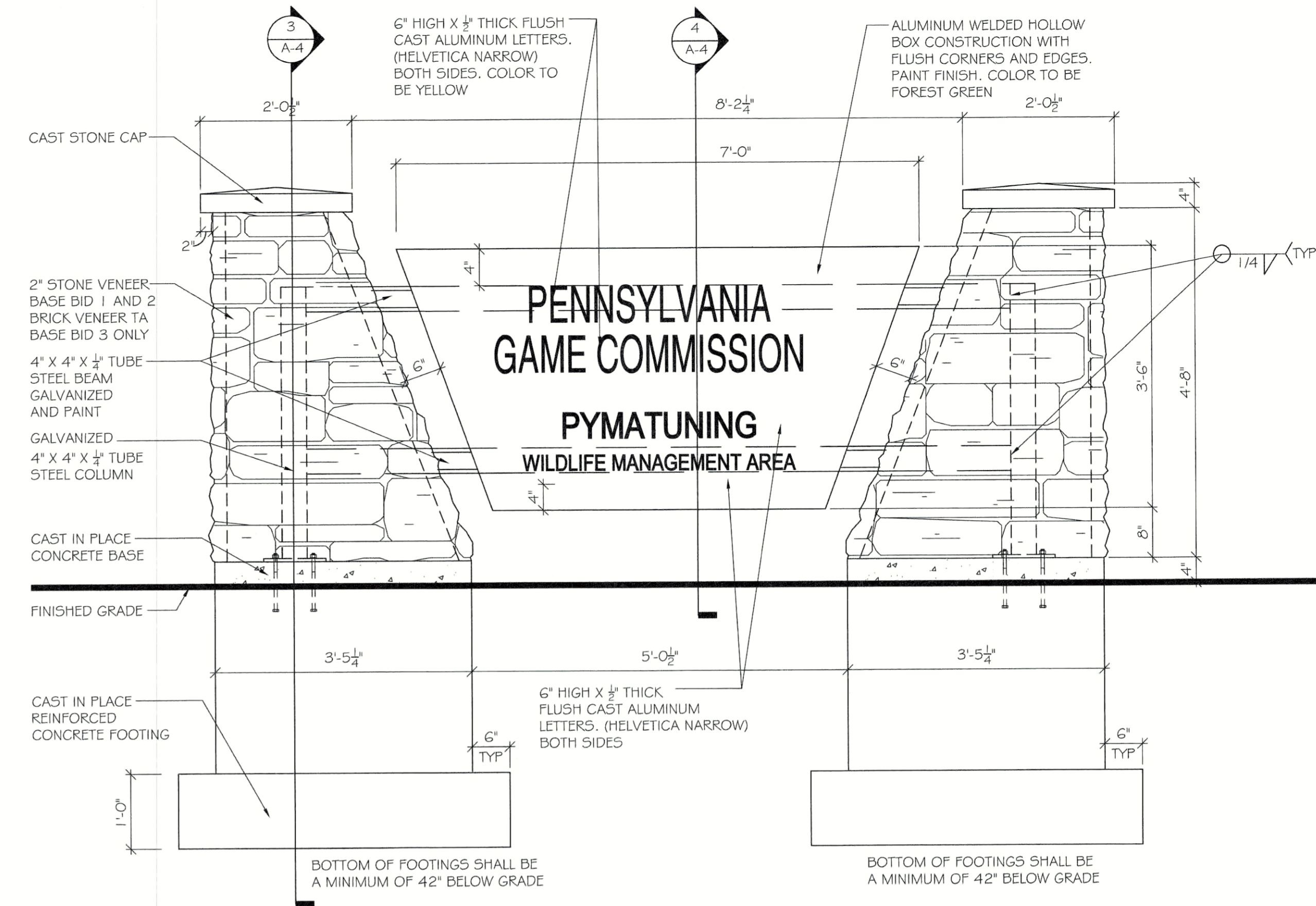
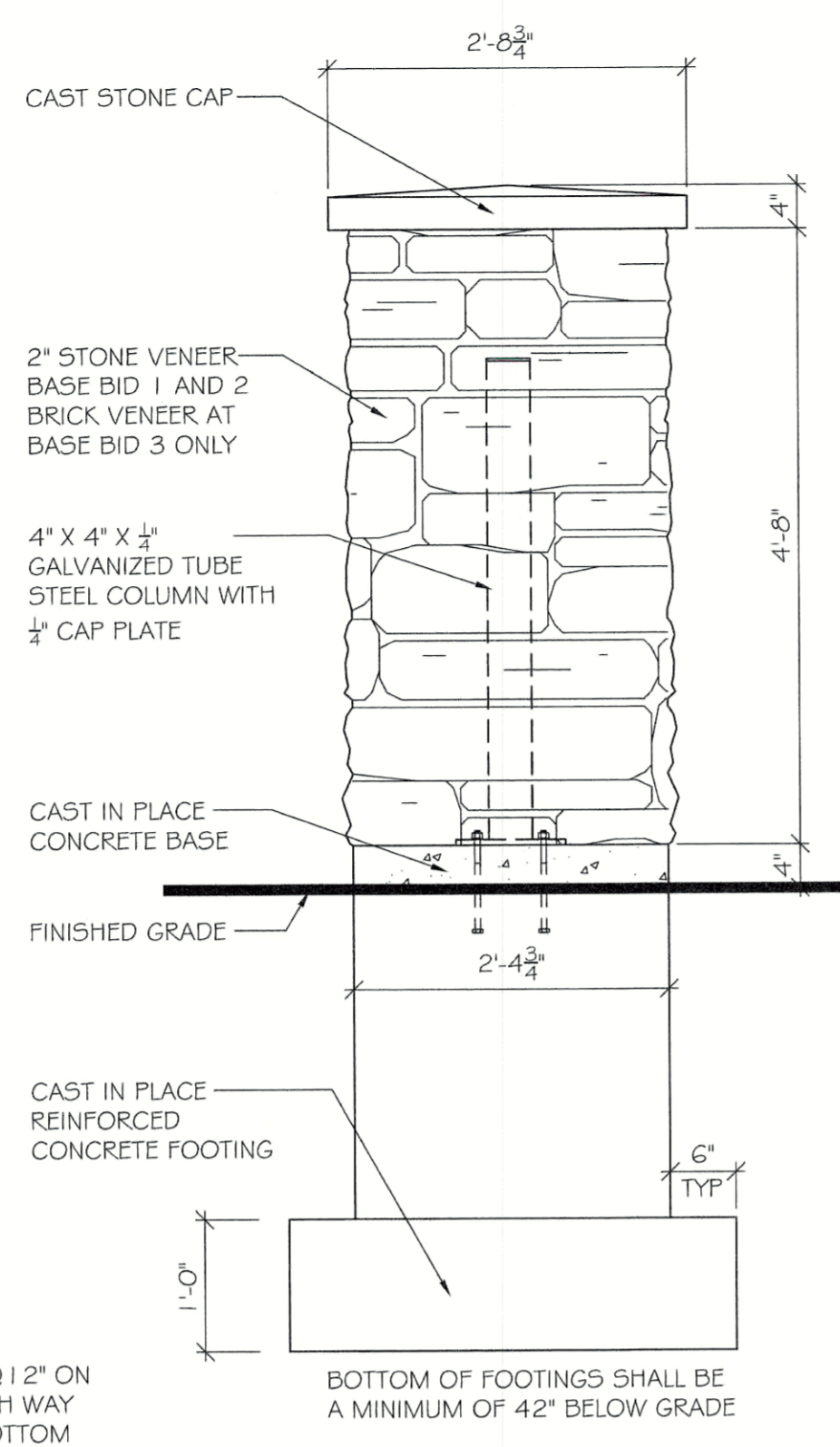
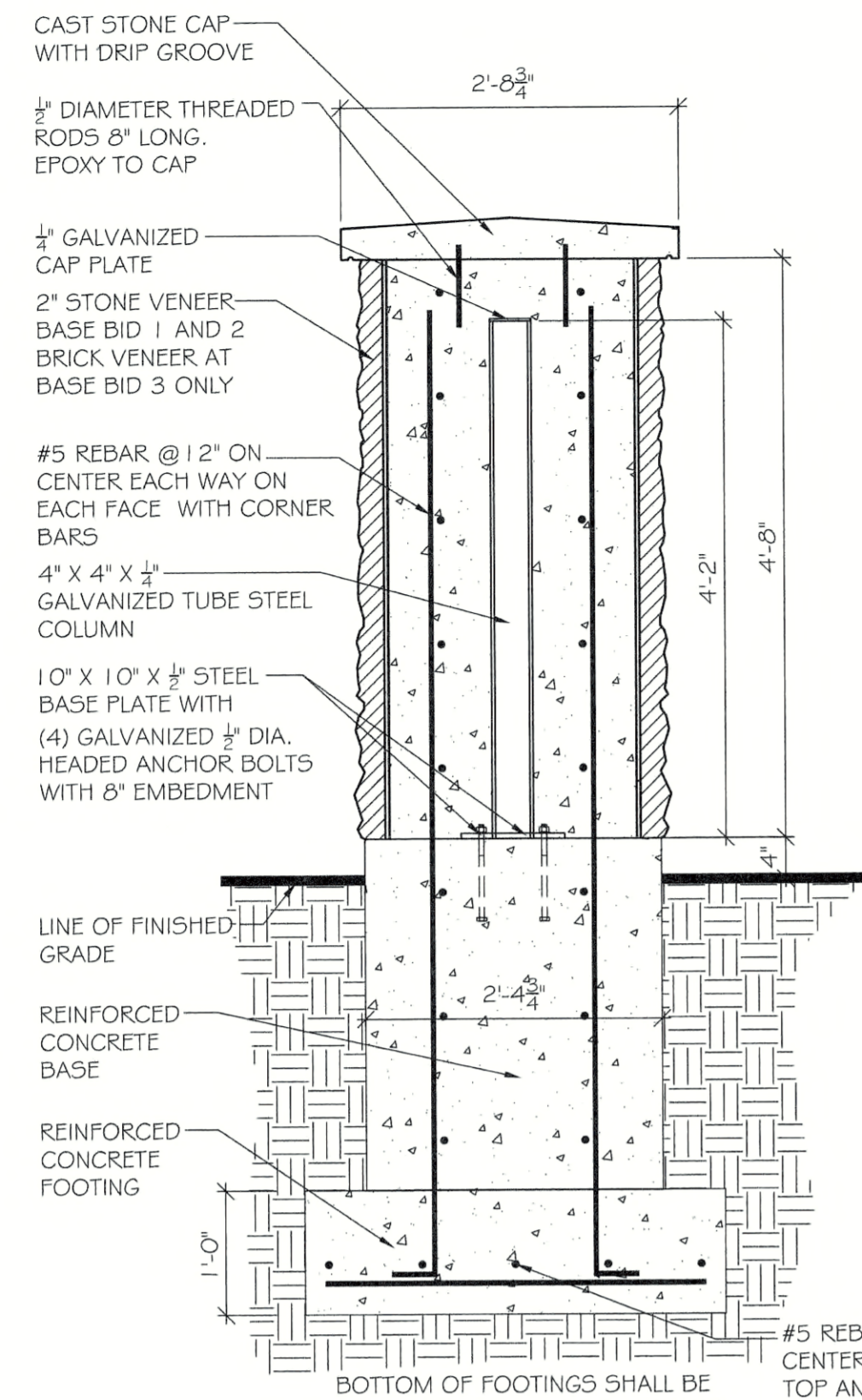
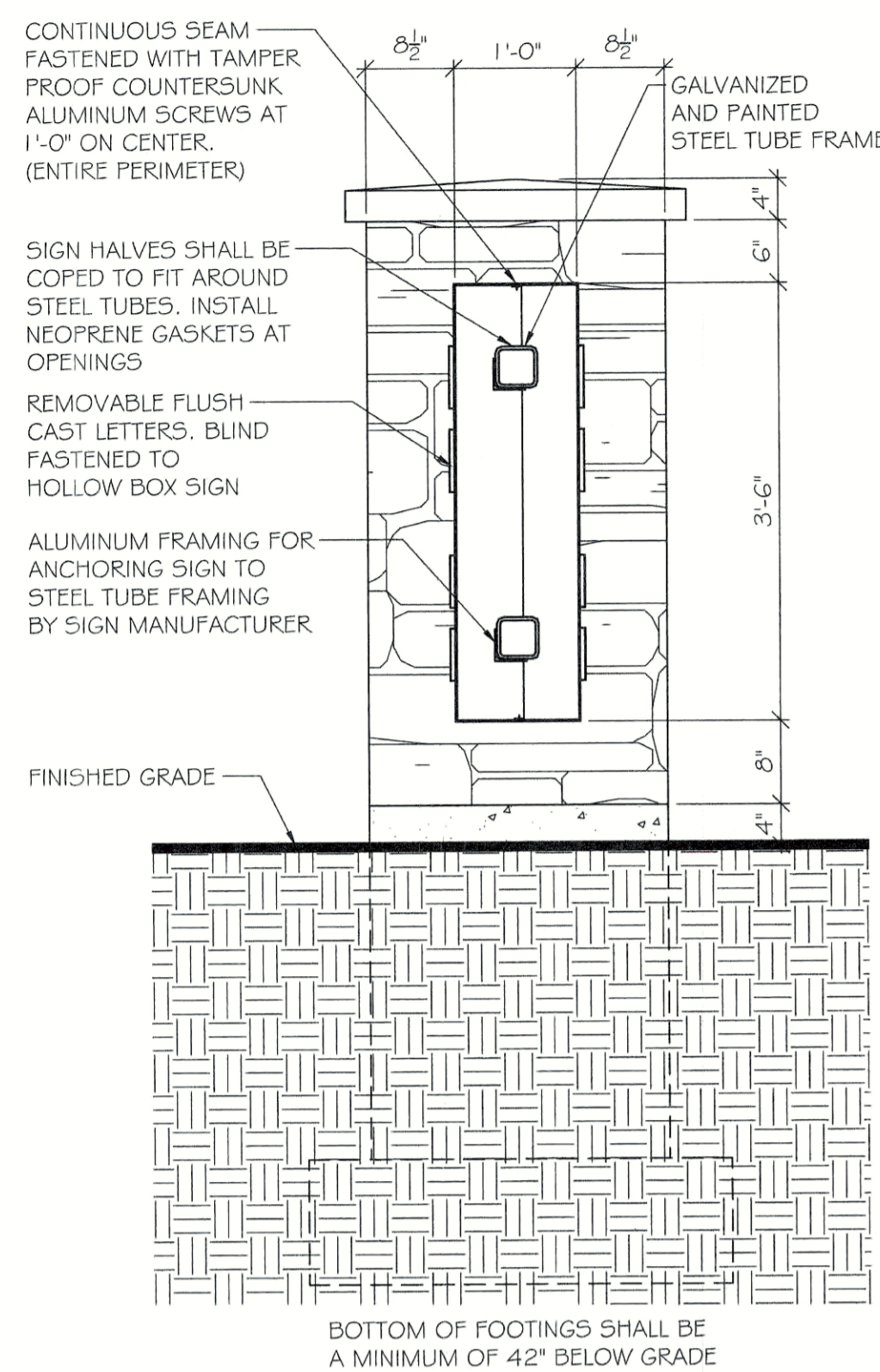
TYPICAL BUILDING SECTION
SCALE: 3/4" = 1'-0"



GOOSE/DUCK COUNTERTOP SECTION
SCALE: 3/4" = 1'-0"



PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
BUILDING SECTIONS & NOTES		
REVISIONS	PROJECT NO.	PGC-214-21-02
▲	DRAWN BY:	CLOUSER/SPOTTS
▲	DATE:	2/27/2023
▲	SHEET NO.	A-3



4 MONUMENT SIGN SECTION
SCALE: 3/4" = 1'-0"

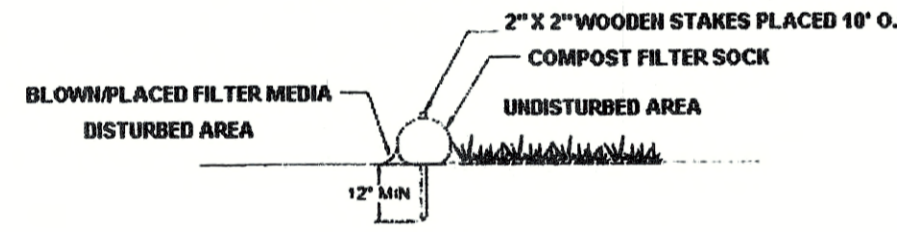
3 MONUMENT SIGN SECTION
SCALE: 3/4" = 1'-0"

2 MONUMENT SIGN SIDE ELEVATION
SCALE: 3/4" = 1'-0"

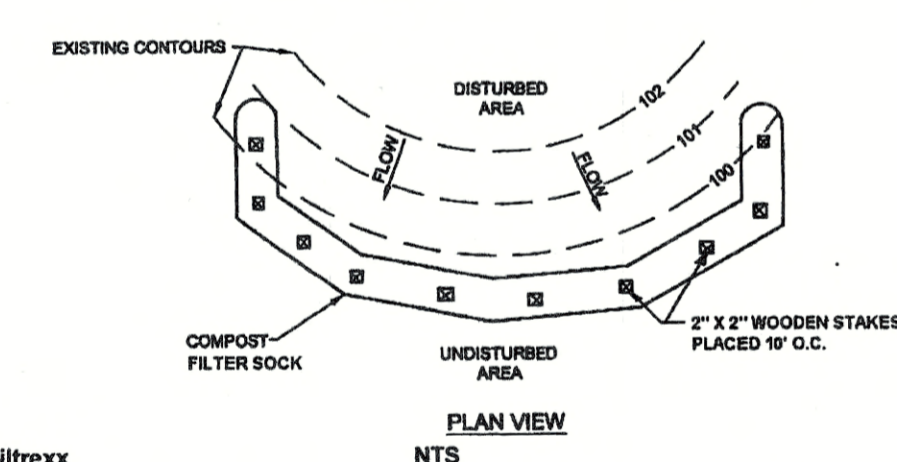
1 MONUMENT SIGN FRONT ELEVATION
SCALE: 3/4" = 1'-0"

5 MONUMENT SIGN PLAN
SCALE: 3/4" = 1'-0"

**STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK**



SECTION VIEW
NTS



PLAN VIEW
NTS

The maximum slope length above a compost filter sock should not exceed those shown in Figure 4.2. **NOTE: Slope length is not addressed by use of multiple rows of compost socks.** The anticipated functional life of a biodegradable filter sock should be 6 months, for photodegradable socks it is 1 year. Some other types may last longer. Projects with disturbances anticipated to last longer than the functional life of a sock should plan to replace the socks periodically or use another type of BMP.

Upon stabilization of the tributary area, the filter sock may be left in place and vegetated or removed. In the latter case, the mesh is typically cut open and the mulch spread as a soil supplement. In either case, the stakes should be removed.

Filter socks using other fillers may be approved on a case-by-case basis if sufficient supporting information (including manufacturer's specs and independent test data) is provided. However, they might not qualify as ABACTS. Wherever compost socks are used, Table 4.1 should be placed on a detail sheet.

**TABLE 4.1
Compost Sock Fabric Minimum Specifications**

Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
	Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable
Sock Diameters	12"	12"	12"	12"	12"
	18"	24"	24"	24"	24"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
	Tensile Strength		26 psi	26 psi	44 psi
Ultraviolet Stability %	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Original Strength (ASTM G-155)					
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
Two-ply systems					
Inner Containment Netting	HDPE biaxial net				
	Continuously wound				
	Fusion-welded junctures				
Outer Filtration Mesh	3/4" X 3/4" Max. aperture size				
	Composite Polypropylene Fabric				
	(Woven layer and non-woven fleece mechanically fused via needle punch)				
3/16" Max. aperture size					
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.					

Filterrexx & JMD

Compost should be a well decomposed, weed-free organic matter derived from agriculture, food, stump grindings, and yard or wood/bark organic matter sources. The compost should be aerobically composted. The compost should possess no objectionable odors and should be reasonably free (<1% by dry weight) of man-made foreign matter. The compost product should not resemble the raw material from which it was derived. Wood and bark chips, ground construction debris or reprocessed wood products are not acceptable as the organic component of the mix.

The physical parameters of the compost should comply with the standards in Table 4.2. The standards contained in the PennDOT Publication 408 are an acceptable alternative.

**TABLE 4.2
Compost Standards**

Organic Matter Content	80% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.0
Moisture Content	35% - 55%
Particle Size	98% pass through 1" screen
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum

Filterrexx

Sock fabric shall meet standards of Table 4.1. Compost shall meet the standards of Table 4.2.

Compost filter sock shall be placed at existing level grade. Both ends of the sock shall be extended at least 8 feet up slope at 45 degrees to the main sock alignment (Figure 4.1). Maximum slope length above any sock shall not exceed that shown on Figure 4.2. Stakes may be installed immediately downslope of the sock if so specified by the manufacturer.

Traffic shall not be permitted to cross filter socks.

Accumulated sediment shall be removed when it reaches half the aboveground height of the sock and disposed in the manner described elsewhere in the plan.

Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.

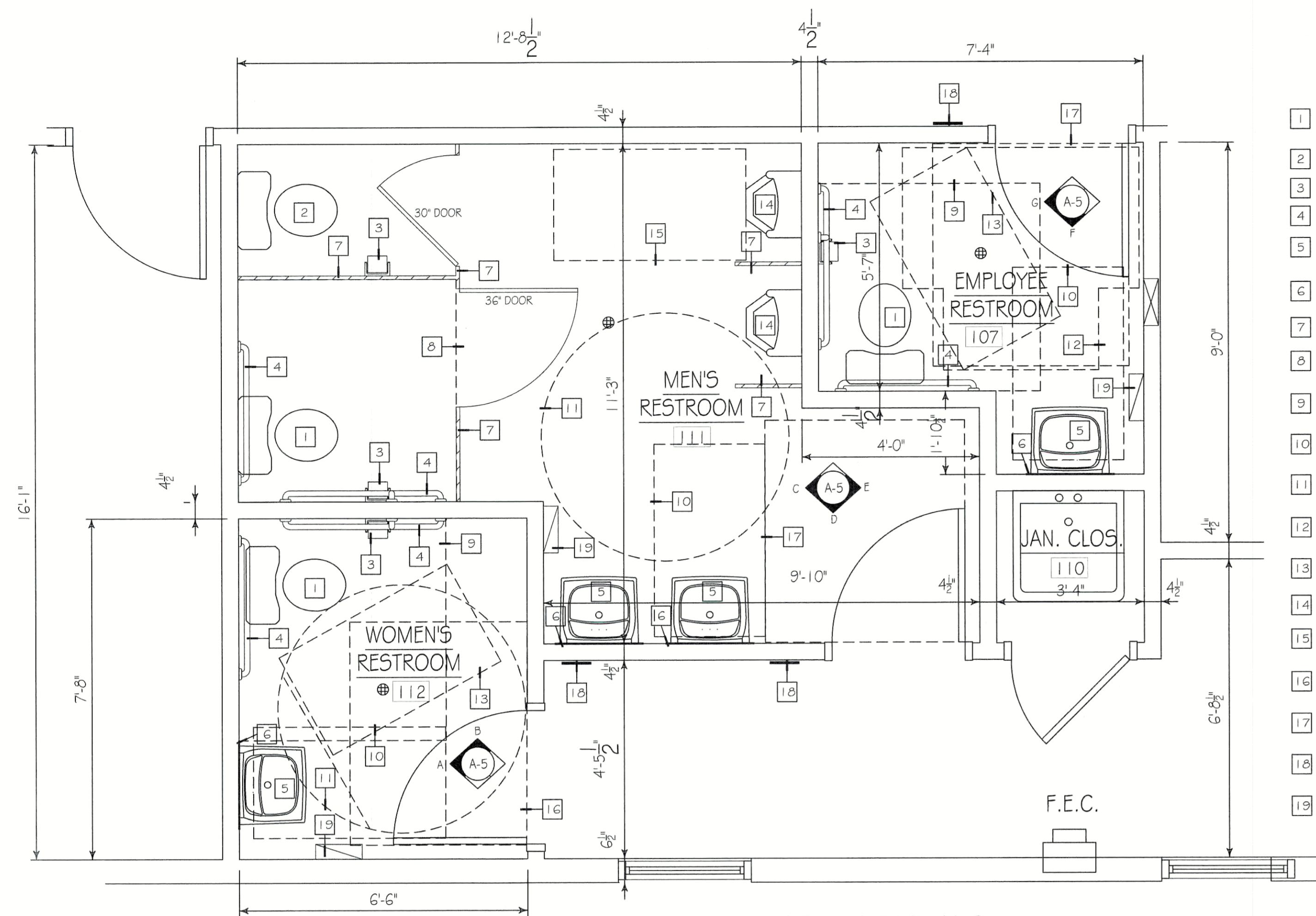
Biodegradable filter socks shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to manufacturer's recommendations.

Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.



PENNSYLVANIA GAME COMMISSION
 STATE GAME LANDS #214 | NORTH SHENANGO TWP. | CRAWFORD CO.
 NEW 40' x 80' WATERFOWL CHECK BUILDING
 DETAILS & SECTIONS

REVISIONS	PROJECT NO.	FGC-214-21-02
▲	DRAWN BY:	CLOUSER/POTTS
▲	DATE:	2/27/2023
▲	SHEET NO.	A-4



TOILET ROOM FIXTURES, ACCESSORIES, AND CLEARANCES

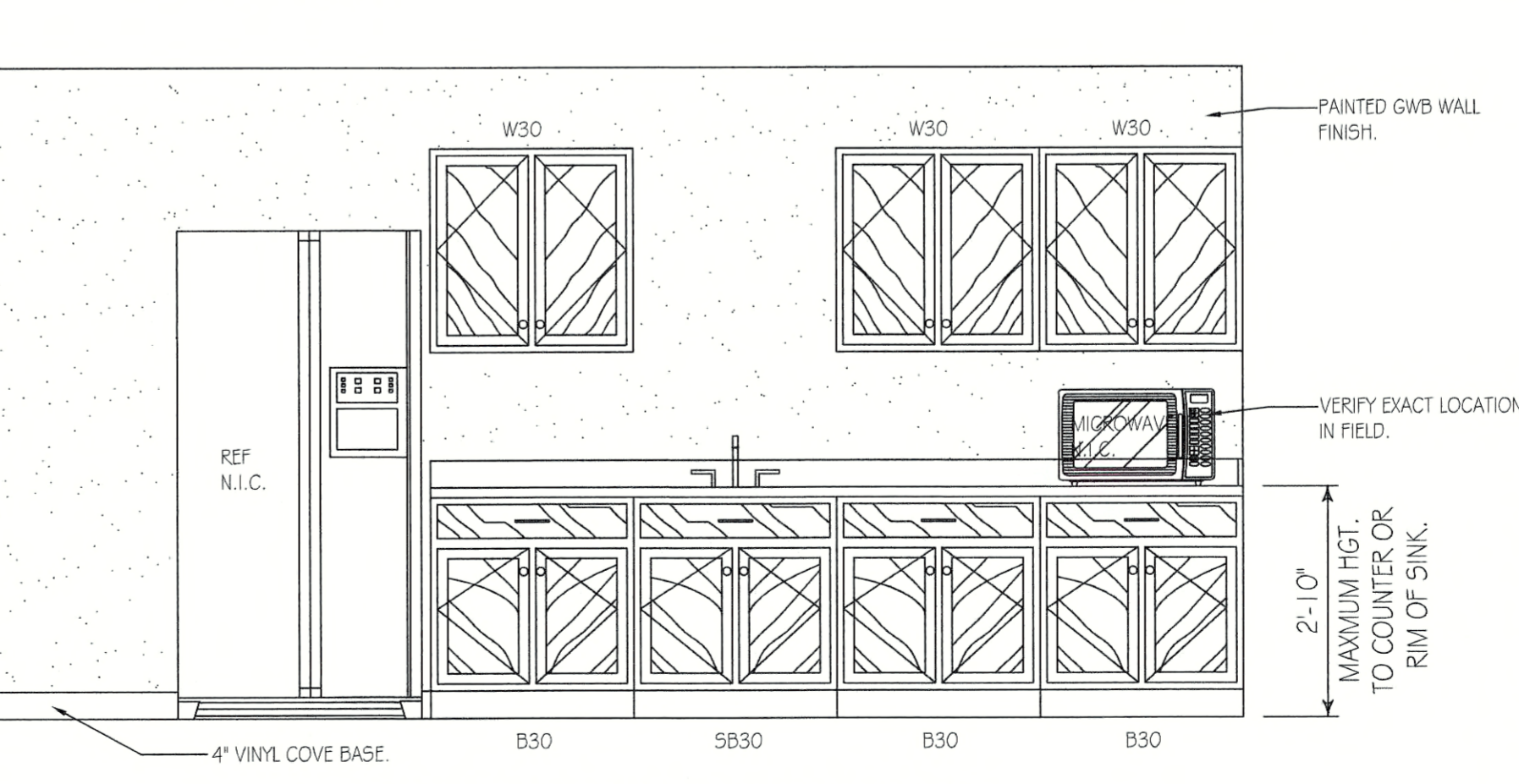
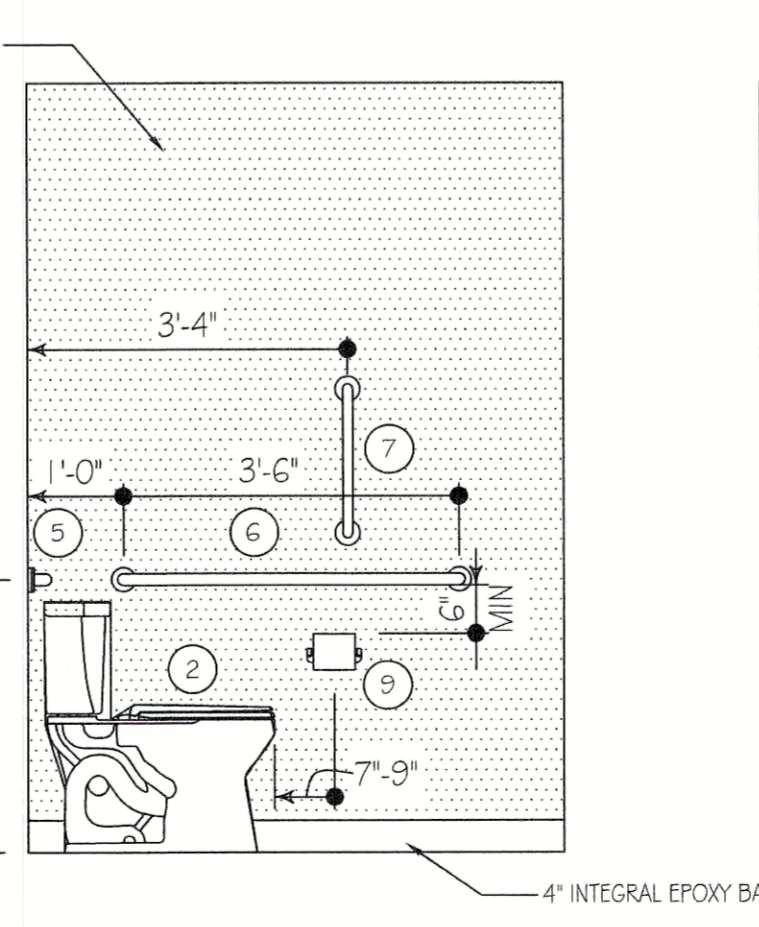
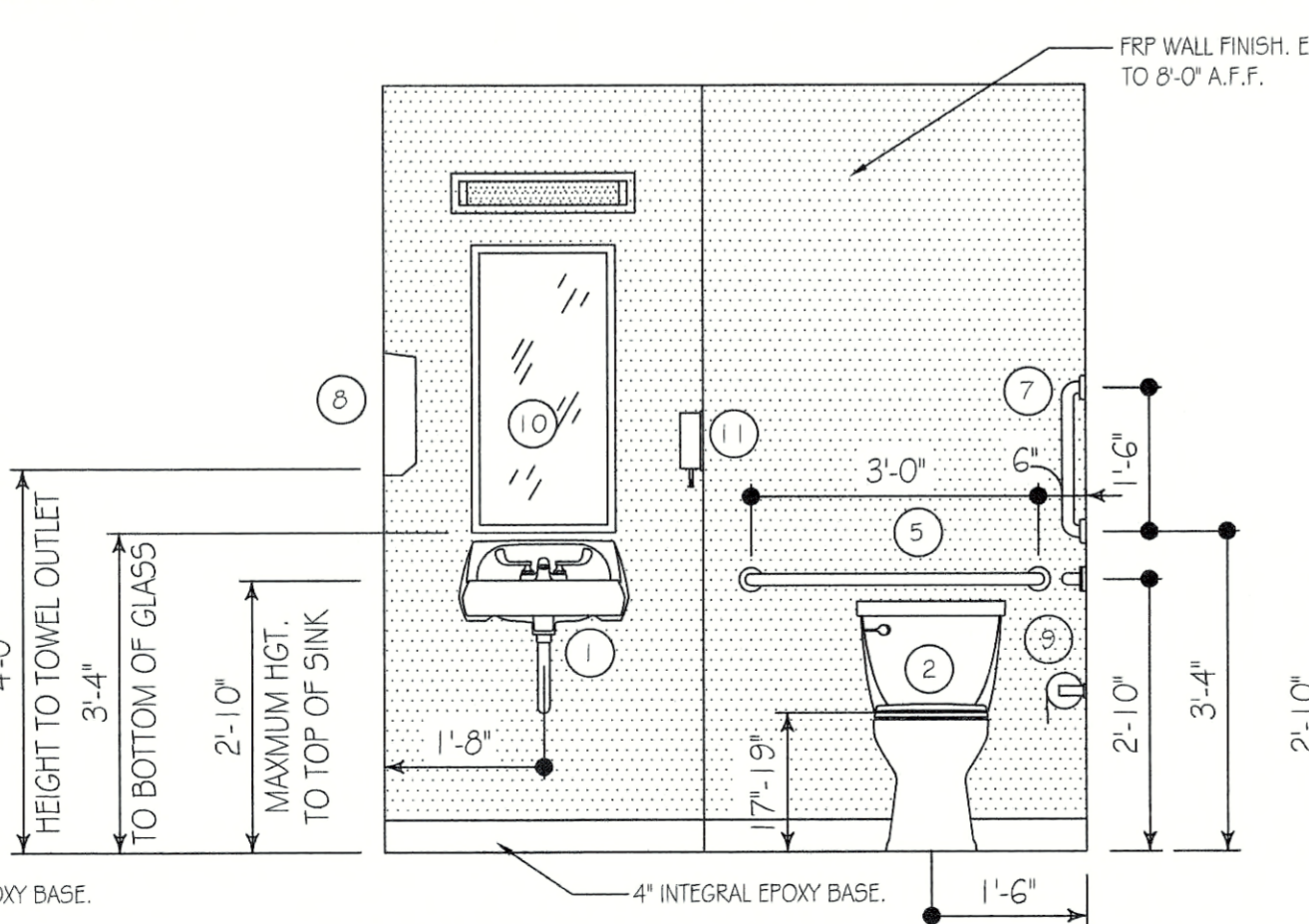
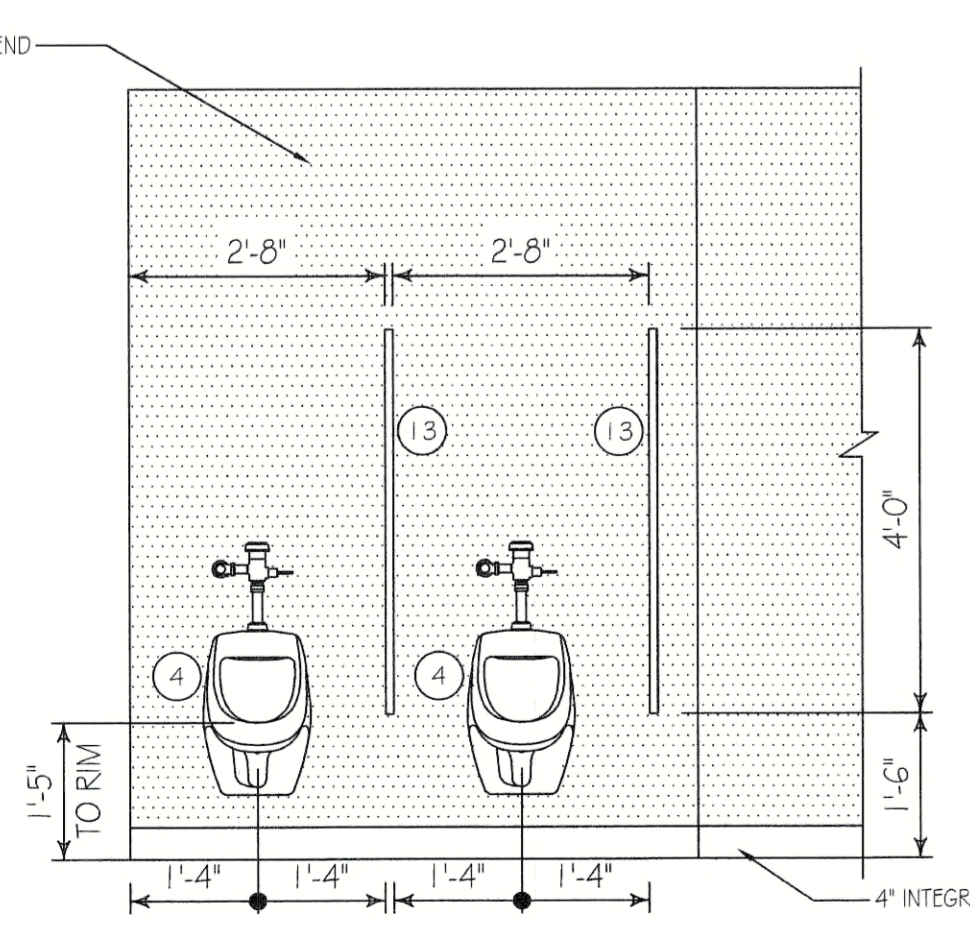
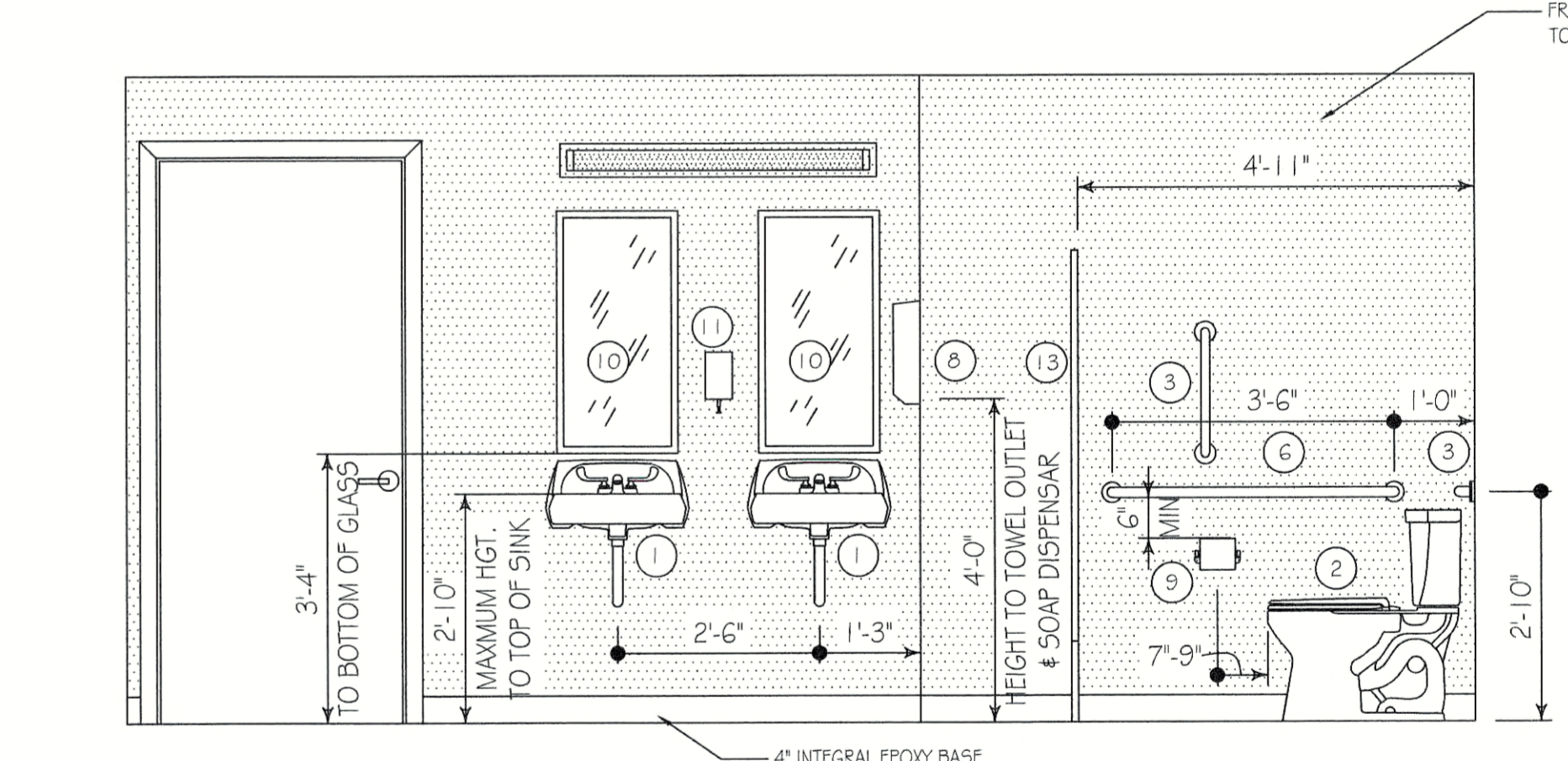
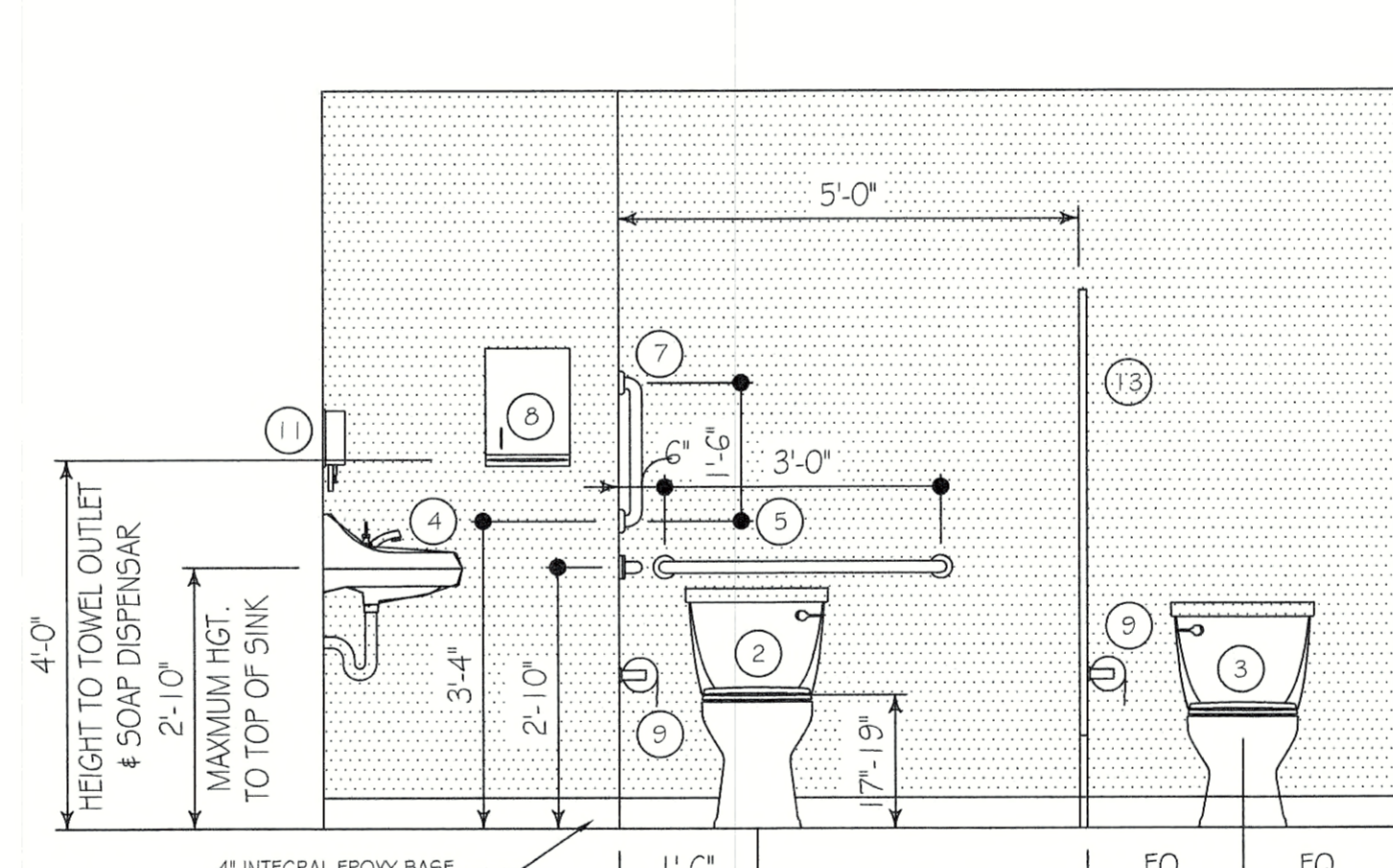
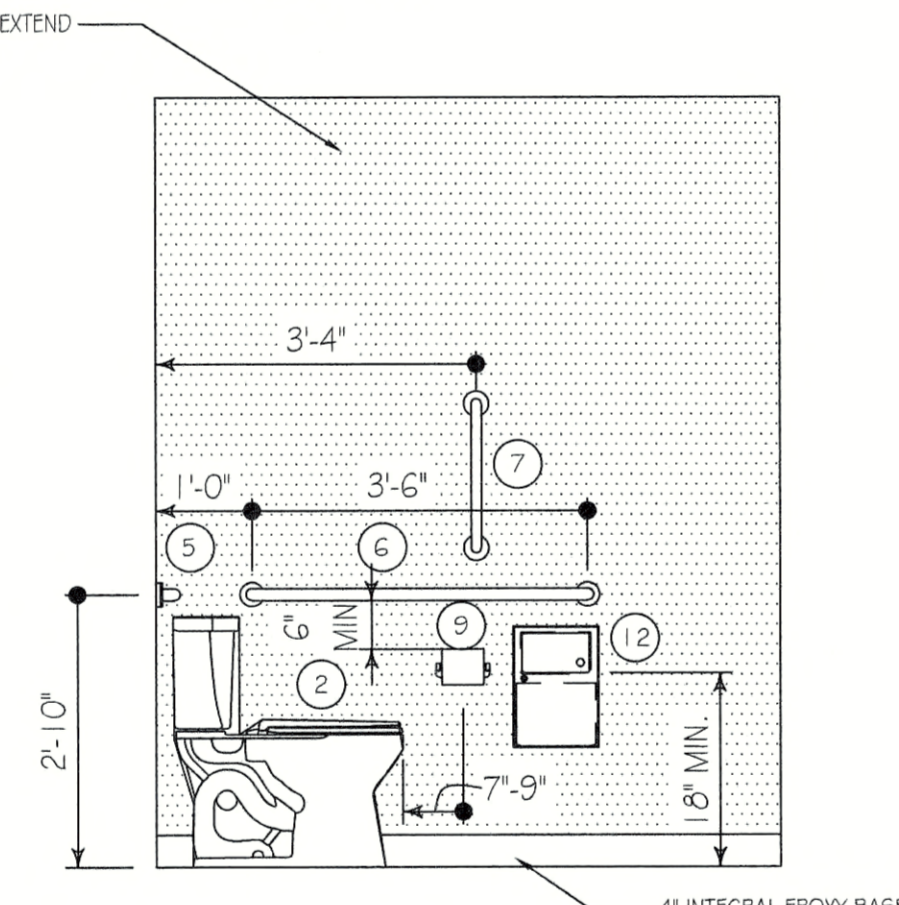
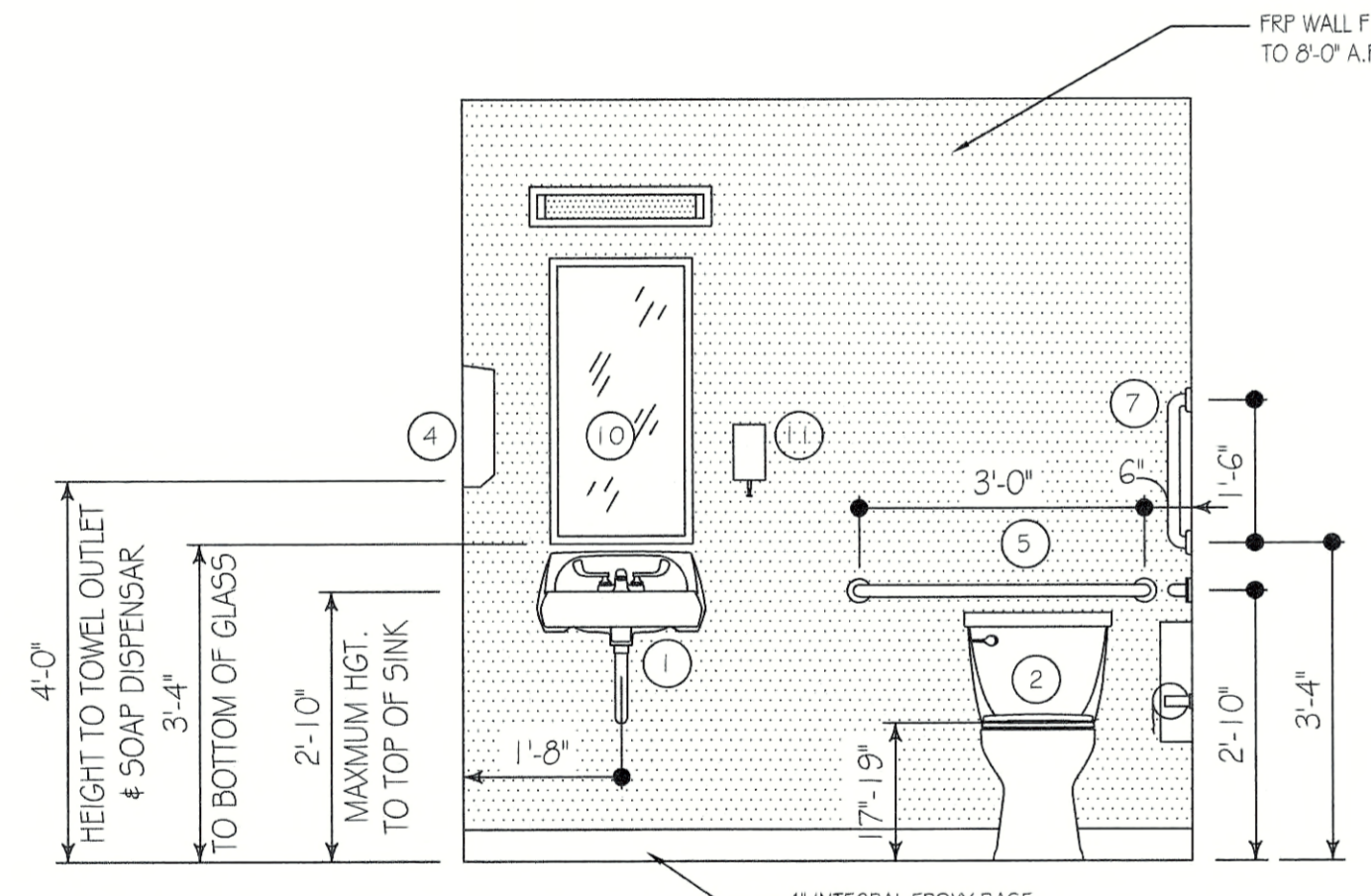
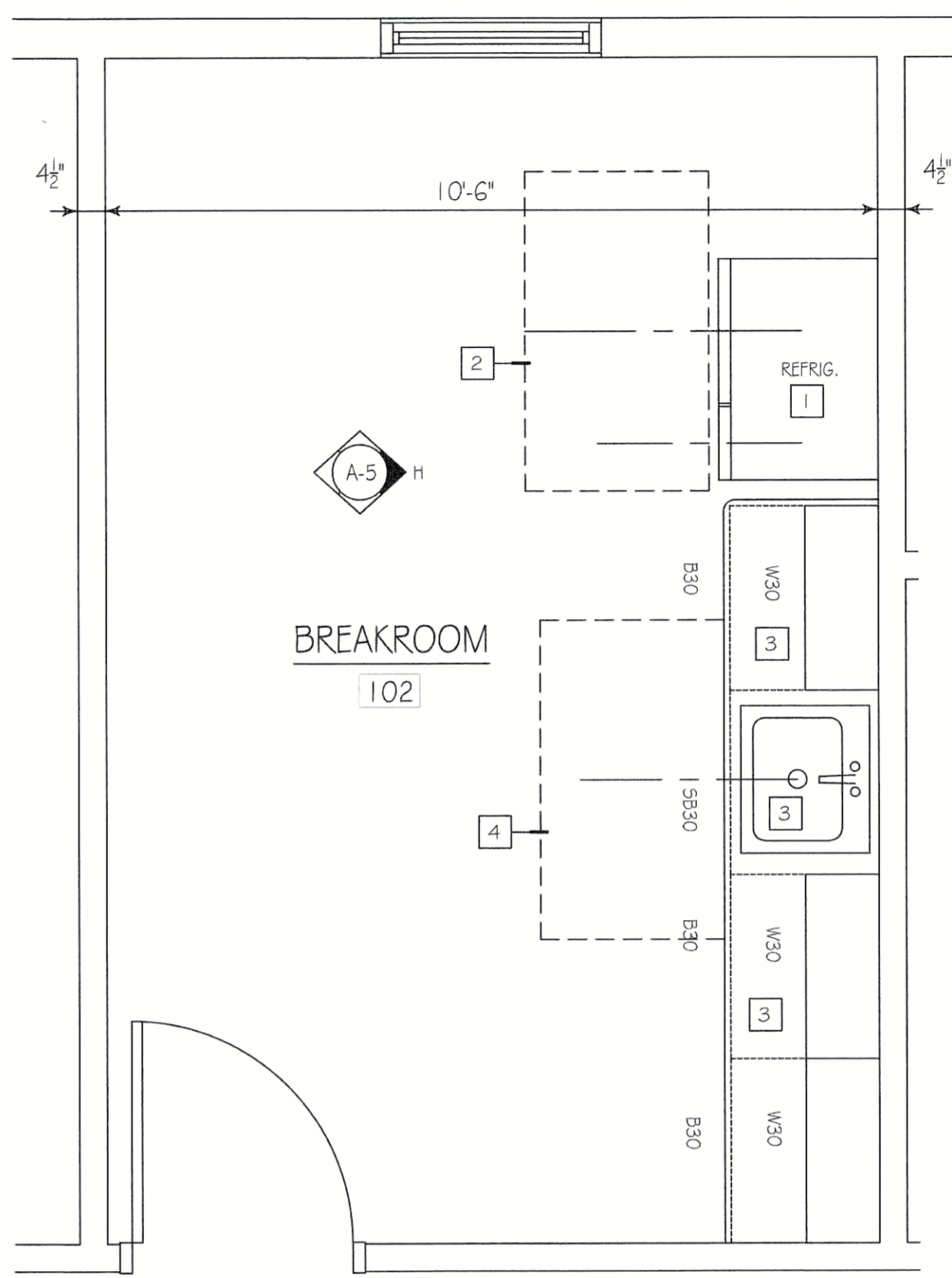
- 1 NEW HANDICAP ACCESSIBLE ELONGATED TOILET FLOOR MOUNTED WITH OPEN-FRONT SEAT AND MANUAL FLUSH VALVE.
- 2 NEW STANDARD TOILET FLOOR MOUNTED WITH OPEN-FRONT SEAT AND MANUAL FLUSH VALVE.
- 3 NEW SINGLE ROLL TOILET PAPER DISPENSER.
- 4 PROVIDE (3) SATIN S.S. GRAB BARS W/ CONCEALED FLANGE. (1) @ 18", (1) @ 36", (1) @ 42".
- 5 PROVIDE WALL HUNG ADA COMPLIANT SINK AND FAUCET AS SPECIFIED MOUNTED AT 34" MAXIMUM A.F.F. TO TOP OF BOWL.
- 6 18" x 36" POLISHED PLATE MIRROR W/ POLISHED EDGES ADHERED TO WALL W/ BOTTOM OF REFLECTIVE SURFACE 40" A.F.F. MAX.
- 7 1" THICK PAINTED METAL FLOOR MOUNTED TOILET PARTITIONS. SEE SPECIFICATIONS.
- 8 60" WIDE x 59" LONG CLEAR FLOOR SPACE FOR FLOOR MOUNTED WATER CLOSET IN COMPARTMENT IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTIONS 604.9.2
- 9 60" WIDE x 56" LONG CLEAR FLOOR SPACE FOR FLOOR MOUNTED WATER CLOSET IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTIONS 604.3.1 AND 604.3.2
- 10 30" WIDE x 52" LONG, FORWARD APPROACH, CLEAR FLOOR SPACE FOR LAVATORY IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 606.2
- 11 67" DIAMETER WHEELCHAIR TURNING SPACE IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 304.3.1.1
- 12 T-SHAPED WHEELCHAIR TURNING SPACE IN ACCORDANCE WITH ICCANSI A117.1-2017 SECTION 304.3.2.1 (B- OPTION2)
- 13 30" WIDE x 52" LONG CLEAR FLOOR OR GROUND SPACE PAST DOOR SWING IN ACCORDANCE WITH ICCANSI A117.1-2017, SECTION 603.2 AND 603.2.2.
- 14 NEW ACCESSIBLE WALL MOUNTED URINAL WITH MANUAL FLUSH VALVE.
- 15 30" WIDE x 52" LONG, FORWARD APPROACH, CLEAR FLOOR SPACE FOR URINAL IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 605 AND 605.3.
- 16 MANEUVERING CLEARANCE AT DOOR (LATCH APPROACH-PULL SIDE) IN ACCORDANCE W/ ICCANSI A117.1-2017 404.2.3.2 (FIGURE G)
- 17 MANEUVERING CLEARANCE AT DOOR (FRONT APPROACH-PULL SIDE) IN ACCORDANCE W/ ICCANSI A117.1-2017 404.2.3.2 (FIGURE A)
- 18 APPROXIMATE LOCATION OF RESTROOM SIGNAGE MOUNTING HEIGHT TO BE BETWEEN 48"-60", IN ACCORDANCE WITH ICCANSI A117.1-2017, CHAPTER 7.
- 19 APPROXIMATE LOCATION OF PAPER TOWEL DISPENSER. COORDINATE EXACT LOCATION IN FIELD WITH OWNER. HEIGHT OF TOWEL DISPENSER SLOT TO BE 48" MAXIMUM ABOVE FINISHED FLOOR FOR A SIDE REACH APPROACH.

BREAK ROOM CLEARANCES

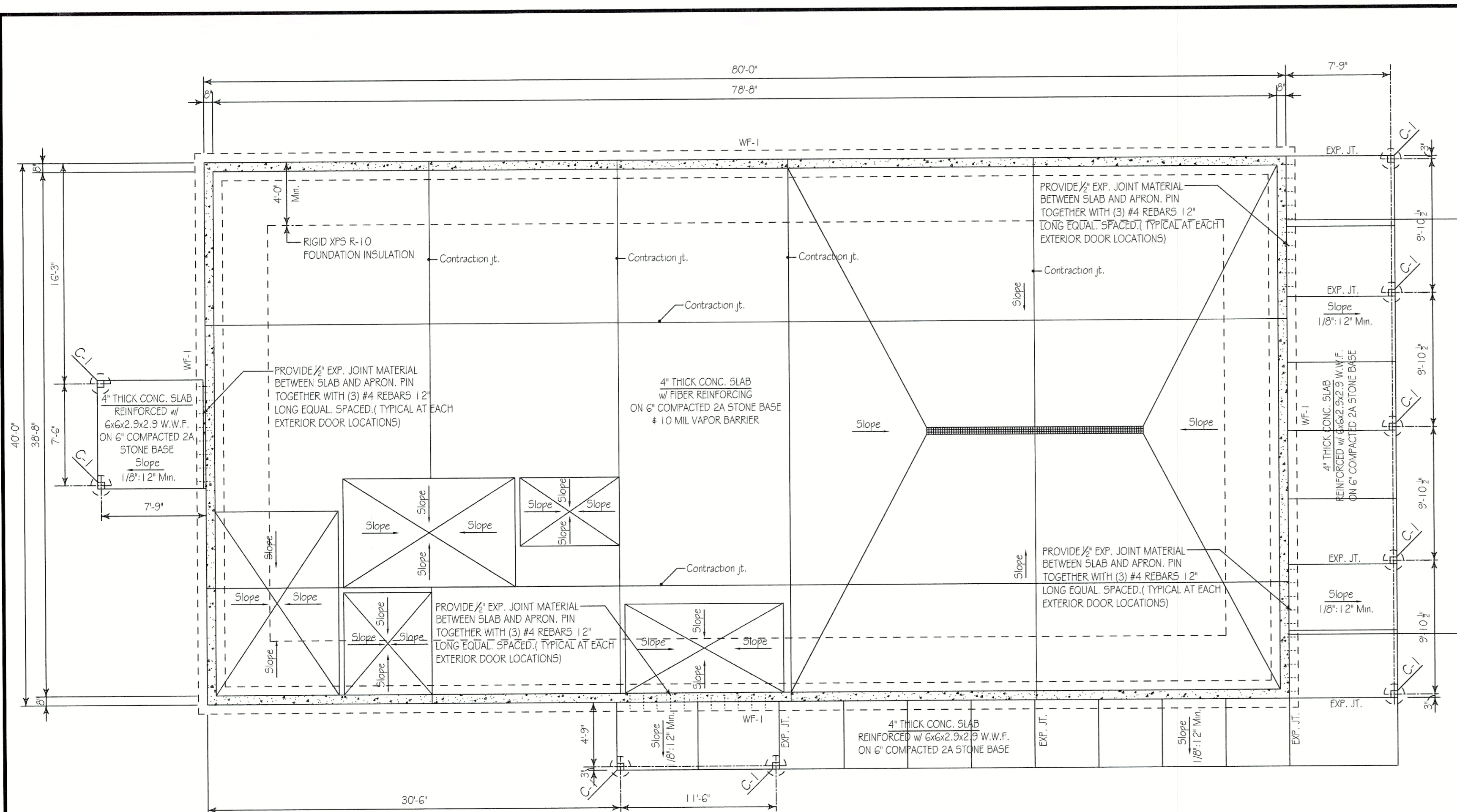
- 1 REFRIGERATOR/FREEZER BY OWNER IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 604.5.6.
- 2 30" WIDE x 52" LONG, ACCESS TO SIDE-BY-SIDE REFRIGERATOR/FREEZER IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 605 AND FIGURE C804.5.6 (c)
- 3 KITCHEN CABINETS AND COUNTERTOP COMPLETE WITH SINK WITH A MAXIMUM HEIGHT ABOVE THE FLOOR OF 34" MEASURED TO THE RIM OF THE SINK OR COUNTERTOP (WHICHEVER IS THE HIGHEST) IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 606 AND 606.3.
- 4 30" WIDE x 52" LONG, ACCESS FOR A SIDE APPROACH TO THE SINK, IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 606.2 EXCEPTION 1 AND FIGURE C804.2.3(b).

BRADLEY CORP. (FOR REF. ONLY) FIXTURE/ACCESSORY LEGEND

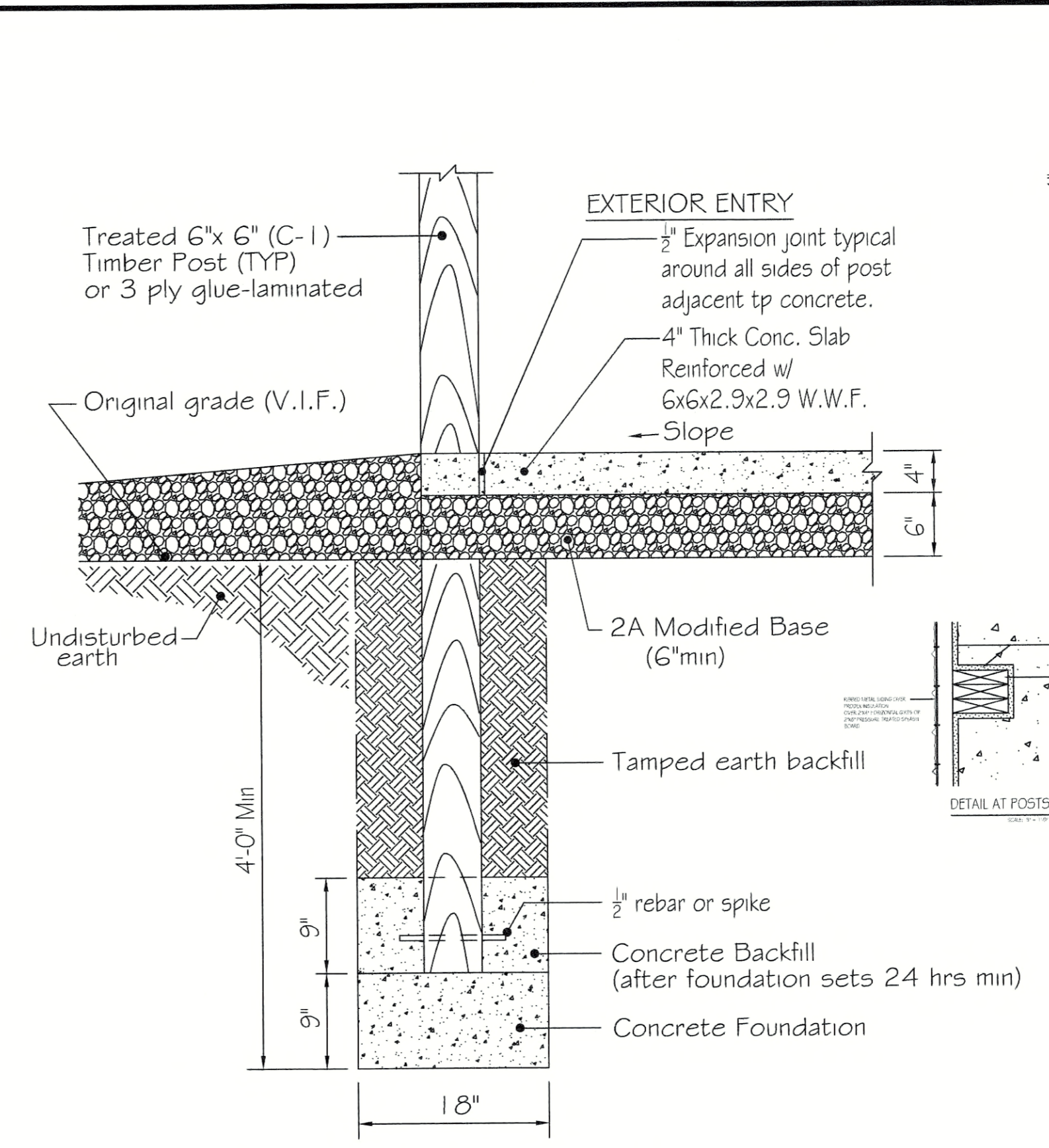
1	SINK (W/FAUCET)	SEE SPECIFICATIONS
2	ADA FLOOR MOUNTED WATER CLOSET	SEE SPECIFICATIONS
3	FLOOR MOUNTED STANDARD WATER CLOSET	SEE SPECIFICATIONS
4	ADA WALL MOUNTED URINAL	SEE SPECIFICATIONS
5	GRAB BAR (36" LONG)	MODEL 812
6	GRAB BAR (42" LONG)	MODEL 812
7	GRAB BAR (18" LONG)	MODEL 812
8	TOWEL DISPENSER	MODEL 250-15
9	TOILET TISSUE HOLDER	MODEL 506
10	18" x 36" MIRROR	MODEL 780-1836
11	SOAP DISPENSER	MODEL 655
12	SANITARY NAPKIN DISPOSAL	MODEL 4A1G-1.1
13	FLOOR MOUNTED TOILET PARTITIONS	SEE SPECIFICATIONS



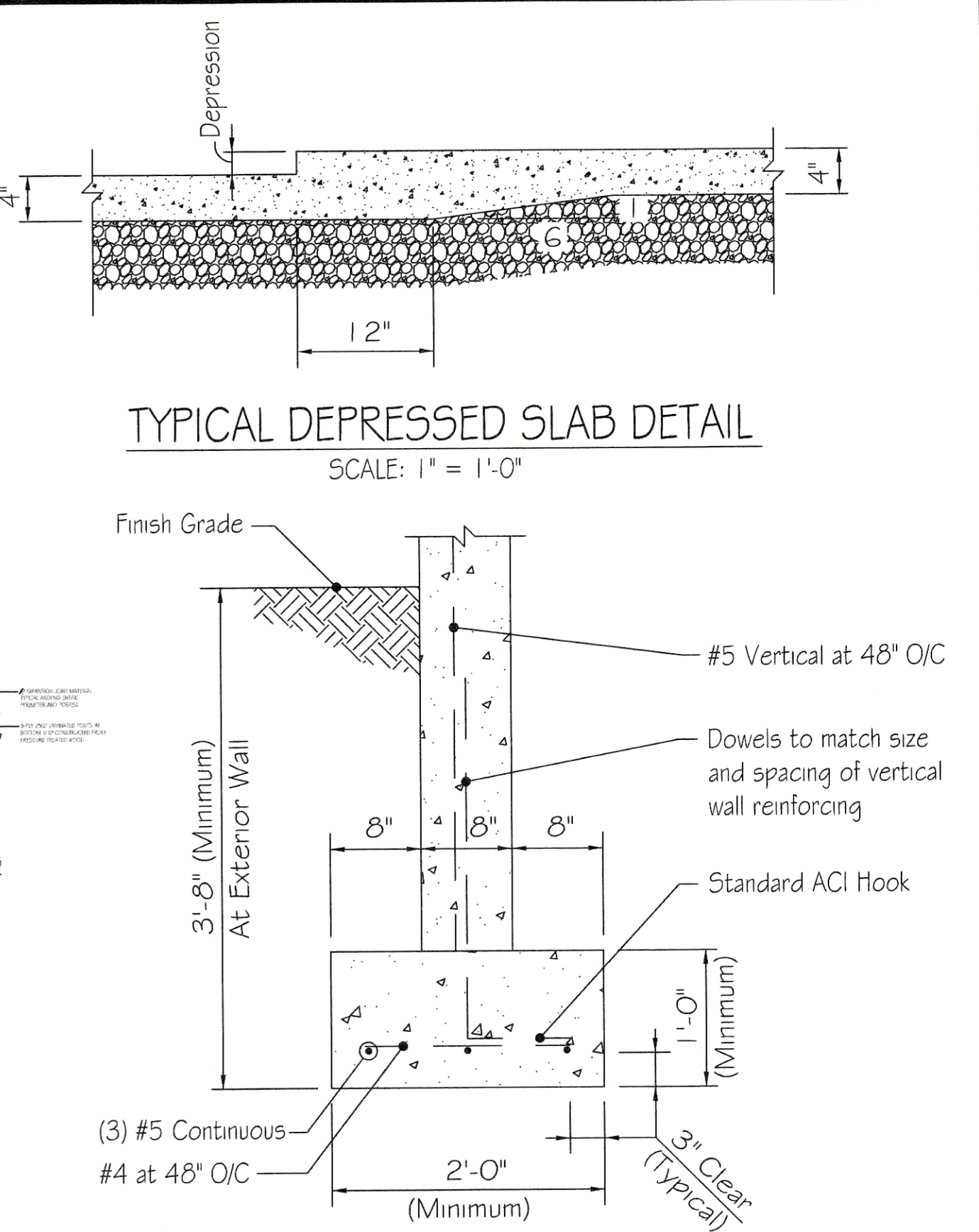
PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214 NORTH SHENANGO TWP. CRAWFORD CO.		
NEW 40' x 80' WATERFOWL CHECK BUILDING		
ENLARGED PLANS & ELEVATIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	A-5



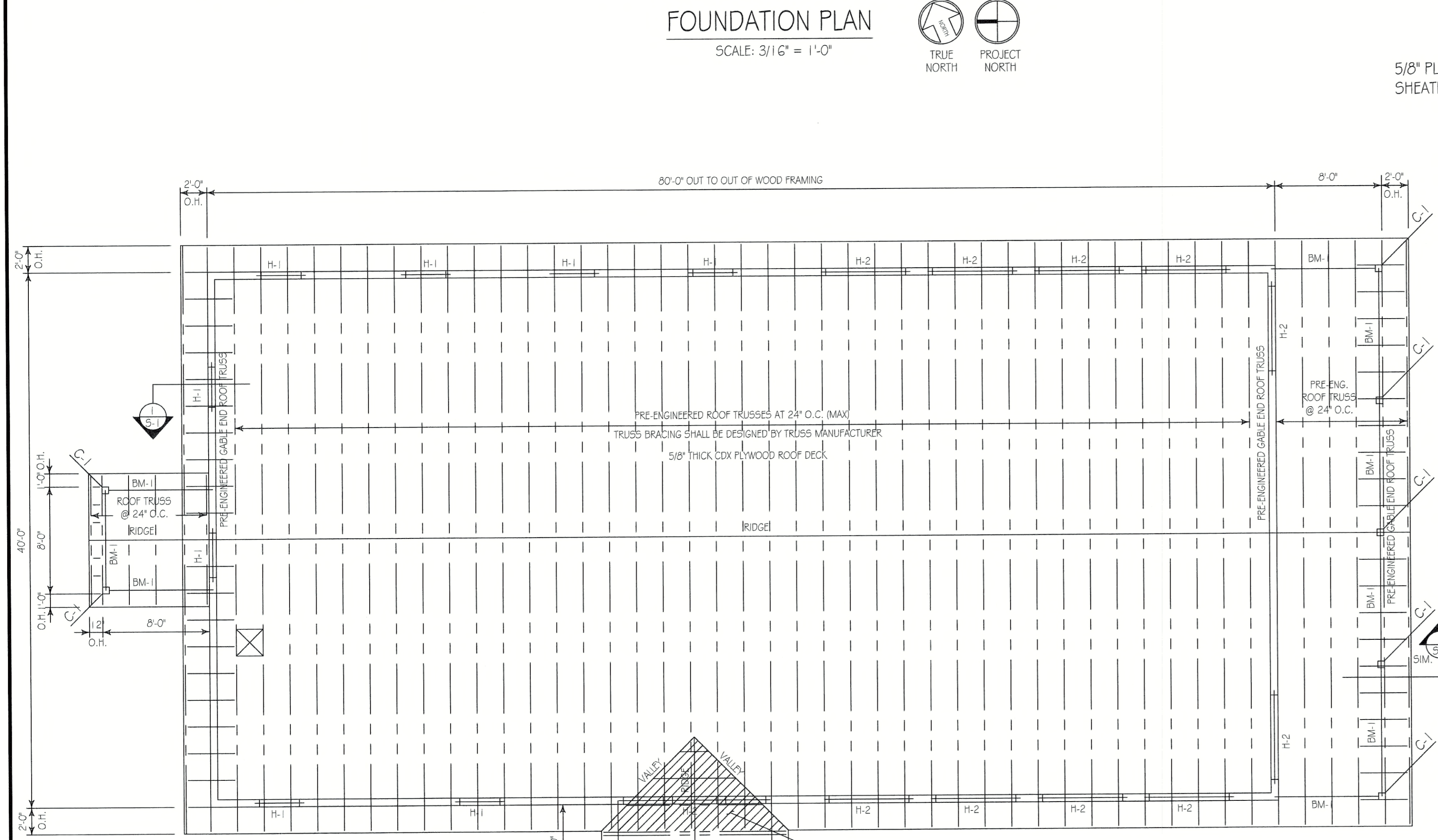
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"
TRUE NORTH PROJECT NORTH



TYPICAL CANOPY POST DETAIL
SCALE: 1" = 1'-0"

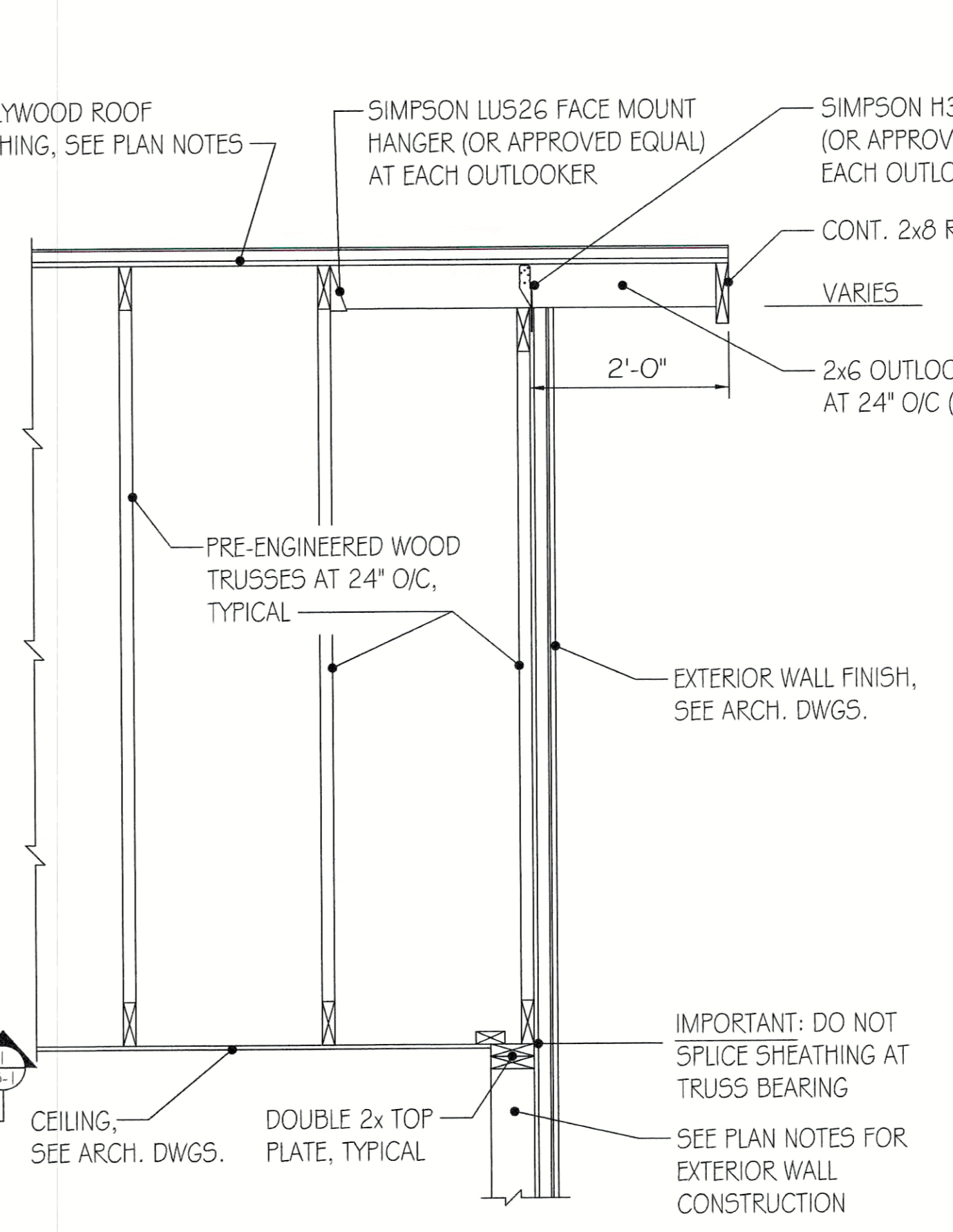


TYPICAL WALL FOOTING DETAIL (WF-1)
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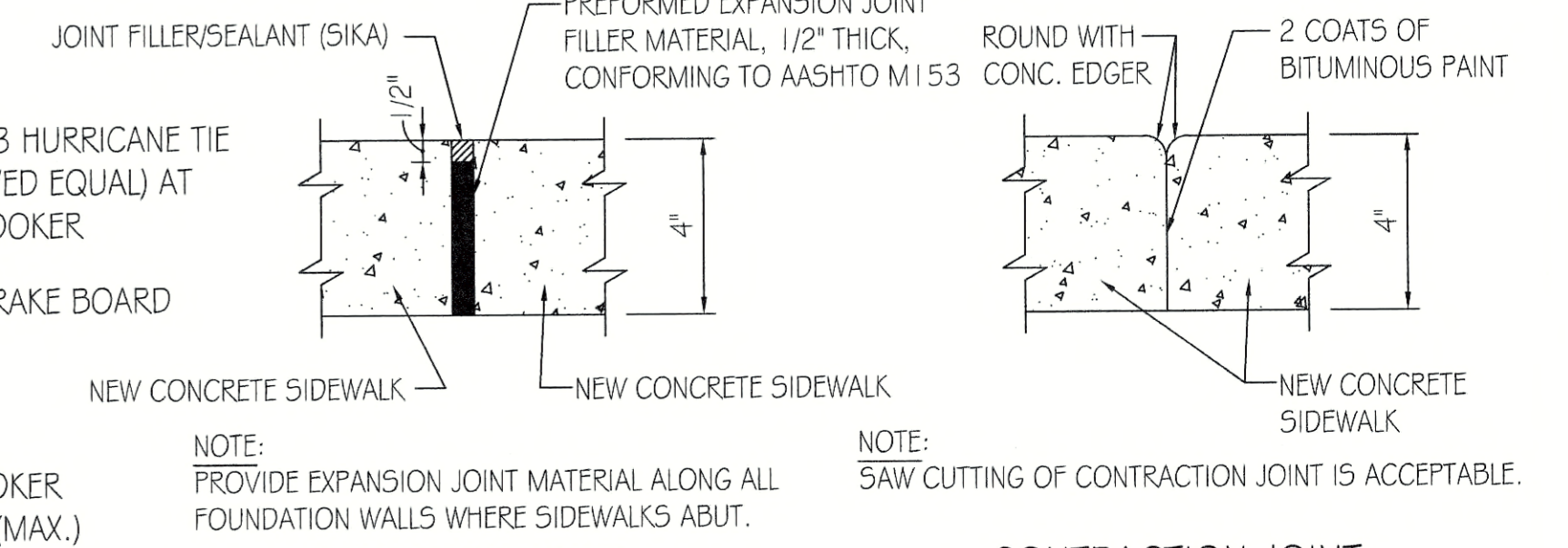


ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"
TRUE NORTH PROJECT NORTH

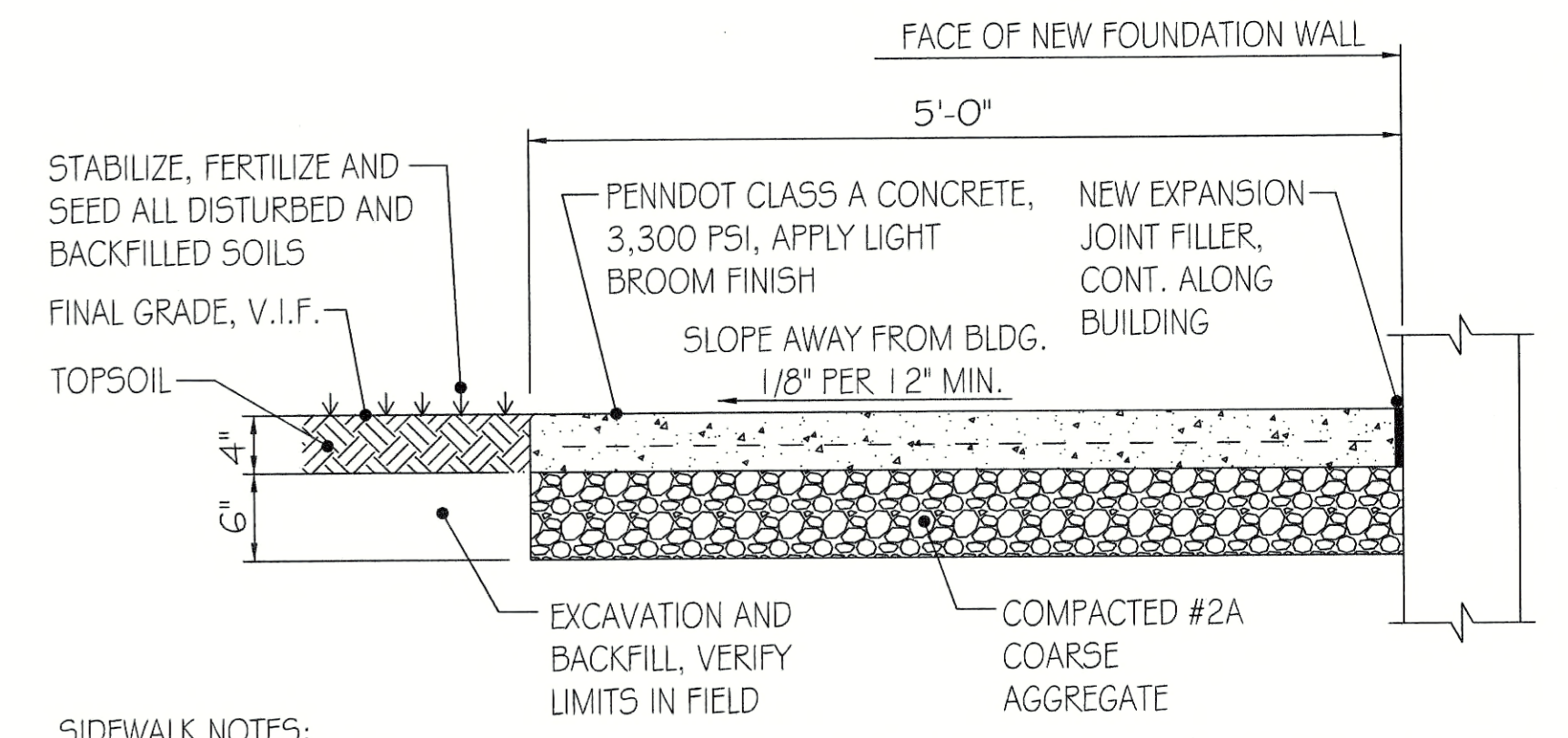
MARK	SIZE	REMARKS
C-1	6"x6" GLUE LAM POST	w/ TREATED BOTTOMS
BM-1	5 1/4" x 7 1/4" LVL 2.0E	3" BEARING MIN. EA. END
BM-2	5 1/4" x 9 1/4" LVL 2.0E	3" BEARING MIN. EA. END
H-1	5 1/4" x 7 1/4" LVL 2.0E	3" BEARING MIN. EA. END
H-2	5 1/4" x 9 1/4" LVL 2.0E	3" BEARING MIN. EA. END



ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



TYPICAL SIDEWALK JOINT DETAILS
SCALE: 3" = 1'-0"



TYPICAL SIDEWALK DETAIL
SCALE: 1" = 1'-0"

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
AUSTIN D. KIEFFER
No. PEM4986

PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
FOUNDATION PLAN, ROOF FRAMING PLAN & SECTIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
▲	DRAWN BY:	CLOUSER/SPITTS
▲	DATE:	2/27/2023
▲	SHEET NO.	S-1

MECHANICAL CONSTRUCTION NOTES:

HVAC SYSTEM TO BE A BOSCH GAS FURNACE WITH INVERTER DUCTED SPLIT CASED COIL WITH INVERTER DUCTED SPLIT AIR SOURCE HEAT PUMP SYSTEM. LAYOUT OF DUCTS, DUCT SIZES AND DIFFUSERS ARE MEANT TO BE USED AS A GUIDELINE. ACTUAL RUNS, SIZES AND LOCATIONS TO BE DETERMINED BY MANUFACTURERS MODEL. THE FOLLOWING STEPS SHOULD BE FOLLOWED IN THE DESIGN AND INSTALLATION OF THE HVAC SYSTEM TO ENSURE EFFICIENCY AND COMFORT.

1. DETERMINE ROOM-BY-ROOM AND AIR-FLOWS USING ACCA MANUAL J CALCULATION PROCEDURES. (OR SUBSTANTIALLY EQUIVALENT)
2. SIZE DUCT SYSTEM ACCORDING TO ACCA MANUAL D CALCULATION PROCEDURES. (OR SUBSTANTIALLY EQUIVALENT)
3. SIZE HVAC EQUIPMENT TO SENSIBLE LOAD USING ACCA MANUAL S CALCULATION PROCEDURES (OR SUBSTANTIALLY EQUIVALENT).
4. INSTALL EQUIPMENT & DUCTS ACCORDING TO DESIGN SPECIFICATIONS USING INSTALLATION PROCEDURES FROM SMACNA / MANUFACTURERS' SPECS.
5. INSTALL 50 STATIC AIR PRESSURE DROP ACROSS THE AIR HANDLER IS WITHIN MANUFACTURER AND DESIGN SPECIFICATIONS.
6. PROVIDE BALANCED AIR FLOWS BETWEEN SUPPLY AND RETURN SYSTEMS TO MAINTAIN NEUTRAL PRESSURE.
7. EQUIPMENT AND ASSOCIATED ITEMS MUST BE APPROVED BY PGC HARRISBURG ENGINEERING DIVISION BEFORE START OF INSTALLATION.

FURNISH AND INSTALL A BOSCH BGH9G 96% FURNACE PAIRED WITH BOSCH CASED COIL SYSTEM. HEAT PUMP TO BE A 5 TON BOSCH BOVA - 06G-HD1-I - M18M OUTSIDE CONDENSER UNIT, W/ BGH9G100C5B AIR HANDLER/FURNACE AND BMAC4860CNTF CASE COIL UNITS TO ACHIEVE A MINIMUM 17 SEER AND 9.5 HSPF (OR SUBSTANTIALLY EQUIVALENT).



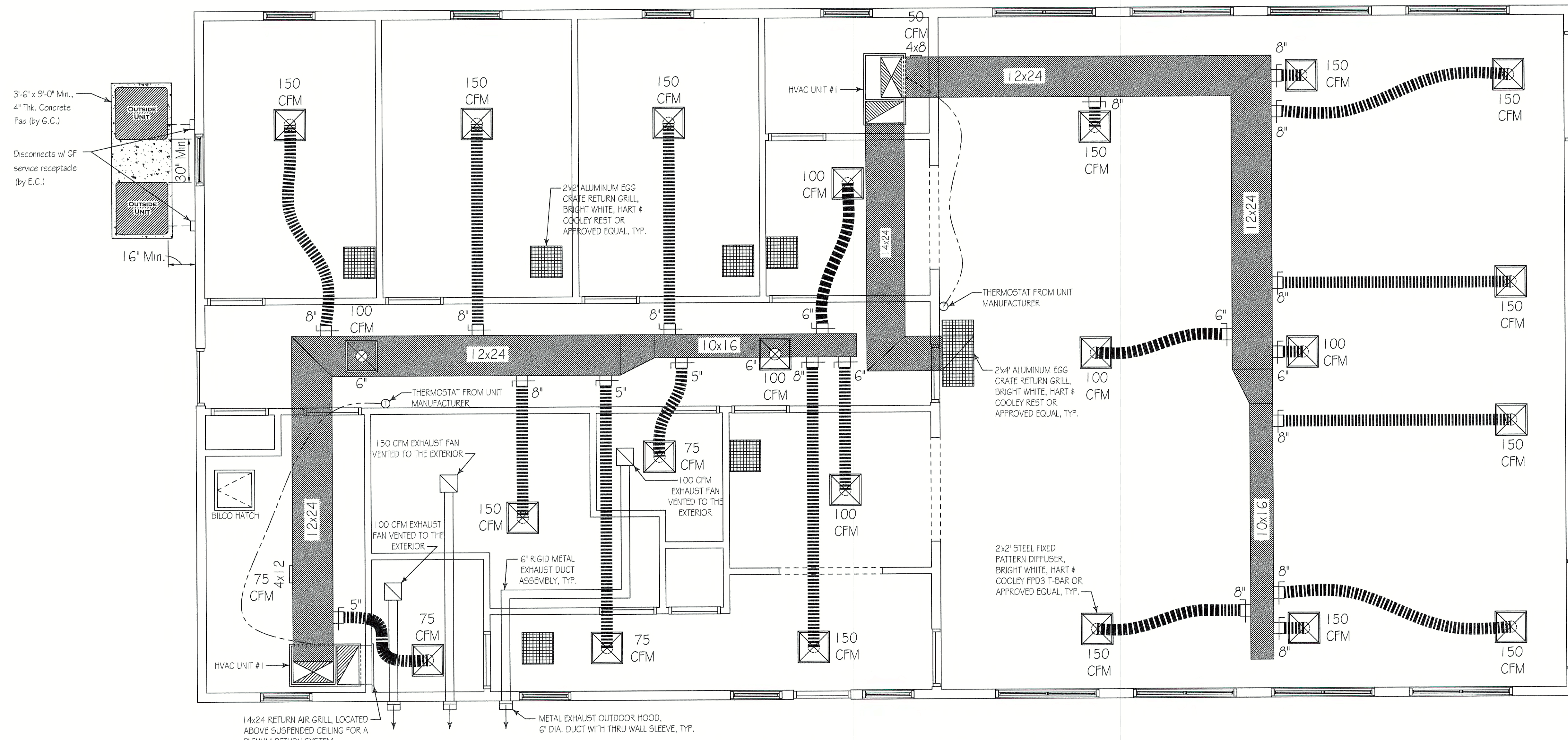
- Product Specifications**
- 5 Inch Touch Screen E54 x 460 Panel
 - Supports 7 Transformer Systems (24VAC and 0V)
 - C-1000 Required for Installation
 - 7 Aids: Tamper, CL, Y, W, W2, W2AUX, S1, H, H2H
 - 7 Data Terminal, includes full messages from Heat Meter Source Heat Pump
 - W/ R 802.11 High @ 2-4200
 - 5 Year Limited Warranty

Thermostat Model:	Part Number:
Bosch Connected Control	T-733-044-000
Thermostat Spare Parts:	Part Number:
Wall Plate, Removable, Green & Wall Anchors, Mount Cable	8-733-048-004

HVAC UNIT #1

BOVA96 + CASED COIL + 96% FURNACE AHRI 210/240 Performance Data										
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	SEER	SEER ₂	HSPF	NET FURNACE CAPACITY (BTU/H)	NET FURNACE CAPACITY (BTU/H)	NET FURNACE CAPACITY (BTU/H)	CFM
2 Ton	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2300	12.5	18	24000	9.5	17200	2000/8
	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2300	12.5	18	24000	9.5	17200	800/80
	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2400	12.5	18	24000	9.5	17200	800/80
	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2400	12.5	18	24000	9.5	17200	800/80
3 Ton	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3300	10.5	16.5	34200	9	22000	1020/80
	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3300	10.5	16.5	34200	9	22000	1020/80
	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3300	10.5	16.5	34200	9	22000	1020/80
	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3300	10.5	16.5	34200	9	22000	1020/80
4 Ton	BOVA-36HDL1M18M	BMAC3624CNTD	BGH9G100C5A	4300	10.5	17.5	45000	9	29000	1250/100
	BOVA-36HDL1M18M	BMAC3624CNTD	BGH9G100C5A	4300	11	18	45000	9	29000	1250/100
	BOVA-36HDL1M18M	BMAC3624CNTD	BGH9G100C5A	4500	11.2	18	47000	9	31000	1450/1150
	BOVA-36HDL1M18M	BMAC3624CNTD	BGH9G100C5A	4500	11.2	18	47000	9	31000	1450/1150
5 Ton	BOVA-36HDL1M18M	BMAC4860CNTF	BGH9G100C5A	5200	10	17	53000	8.5	37000	1500/1200
	BOVA-36HDL1M18M	BMAC4860CNTF	BGH9G100C5A	5300	10.5	17.5	54000	8.5	38000	1500/1200

BOVA96 + CASED COIL + 96% FURNACE AHRI 210/240 PERFORMANCE DATA										
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	SEER	SEER ₂	HSPF	NET FURNACE CAPACITY (BTU/H)	NET FURNACE CAPACITY (BTU/H)	NET FURNACE CAPACITY (BTU/H)	CFM
2 Ton	BOVA-36HDL1M20G	BMAC2400NTD	BGH9G100C5A	2400	13	18.5	24000	10	18000	800/80
	BOVA-36HDL1M20G	BMAC2400NTD	BGH9G100C5A	2400	13	18.5	24000	10	18000	800/80
	BOVA-36HDL1M20G	BMAC2400NTD	BGH9G100C5A	2400	13.5	19	24000	10	18000	800/80
	BOVA-36HDL1M20G	BMAC2400NTD	BGH9G100C5A	2400	13.5	19	24000	10	18000	800/80
3 Ton	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3200	11.2	17	34000	10	25000	1020/80
	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3200	11.2	17	34000	10	25000	1020/80
	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3300	11.6	17.5	34200	10	25000	1120/90
	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3300	11.6	17.5	34200	10	25000	1120/90
4 Ton	BOVA-36HDL1M20G	BMAC3624CNTD	BGH9G100C5A	4200	12	18	42000	10	29000	1150/100
	BOVA-36HDL1M20G	BMAC3624CNTD	BGH9G100C5A	4200	12	18	42000	10	29000	1150/100
	BOVA-36HDL1M20G	BMAC3624CNTD	BGH9G100C5A	4300	12.5	18.5	42000	10	29000	1100/80
	BOVA-36HDL1M20G	BMAC3624CNTD	BGH9G100C5A	4300	12.5	18.5	42000	10	29000	1100/80
5 Ton	BOVA-36HDL1M20G	BMAC4860CNTF	BGH9G100C5A	5000	12	19	53000	10	37000	1450/1150
	BOVA-36HDL1M20G	BMAC4860CNTF	BGH9G100C5A	5200	12.5	18.5	54000	10	38000	1500/1200



FIRST FLOOR PLAN - MECHANICAL (HVAC)
SCALE: 1/4" = 1'-0"



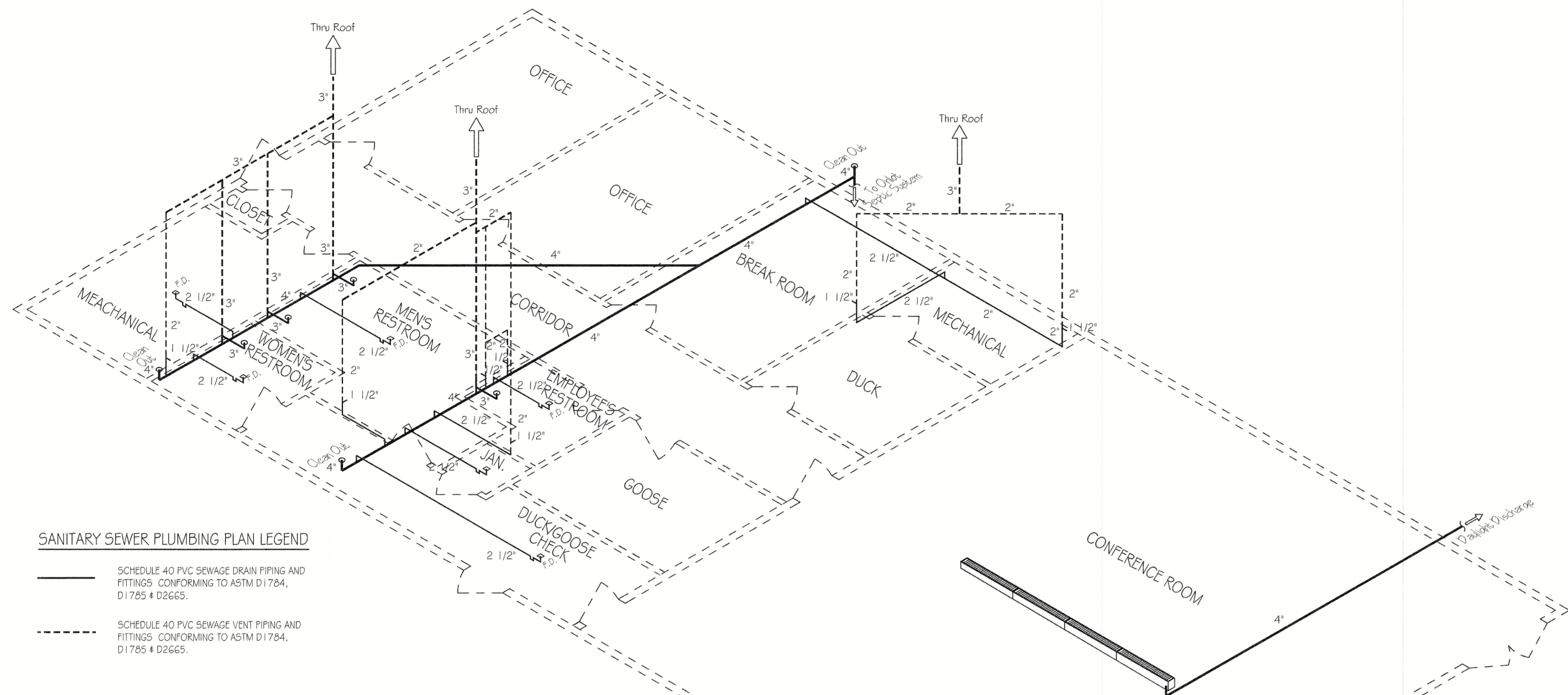
System & Technical Information

Model	SEER	HSPF	NET FURNACE CAPACITY (BTU/H)	NET FURNACE CAPACITY (BTU/H)	NET FURNACE CAPACITY (BTU/H)
738-006-498	12.5	18	24000	9.5	17200
738-006-497	12.5	18	24000	9.5	17200
738-006-499	10.5	16.5	34200	9	22000
738-006-510	10.5	16.5	34200	9	22000
738-006-511	10.5	16.5	34200	9	22000
738-006-512	10.5	16.5	34200	9	22000



PENNSYLVANIA GAME COMMISSION
STATE GAME LANDS #214 | NORTH SHENANGO TWP. | CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING
MECHANICAL FLOOR PLAN, SCHEDULES & DETAILS

REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTIS
	DATE:	2/27/2023
	SHEET NO.	M-1

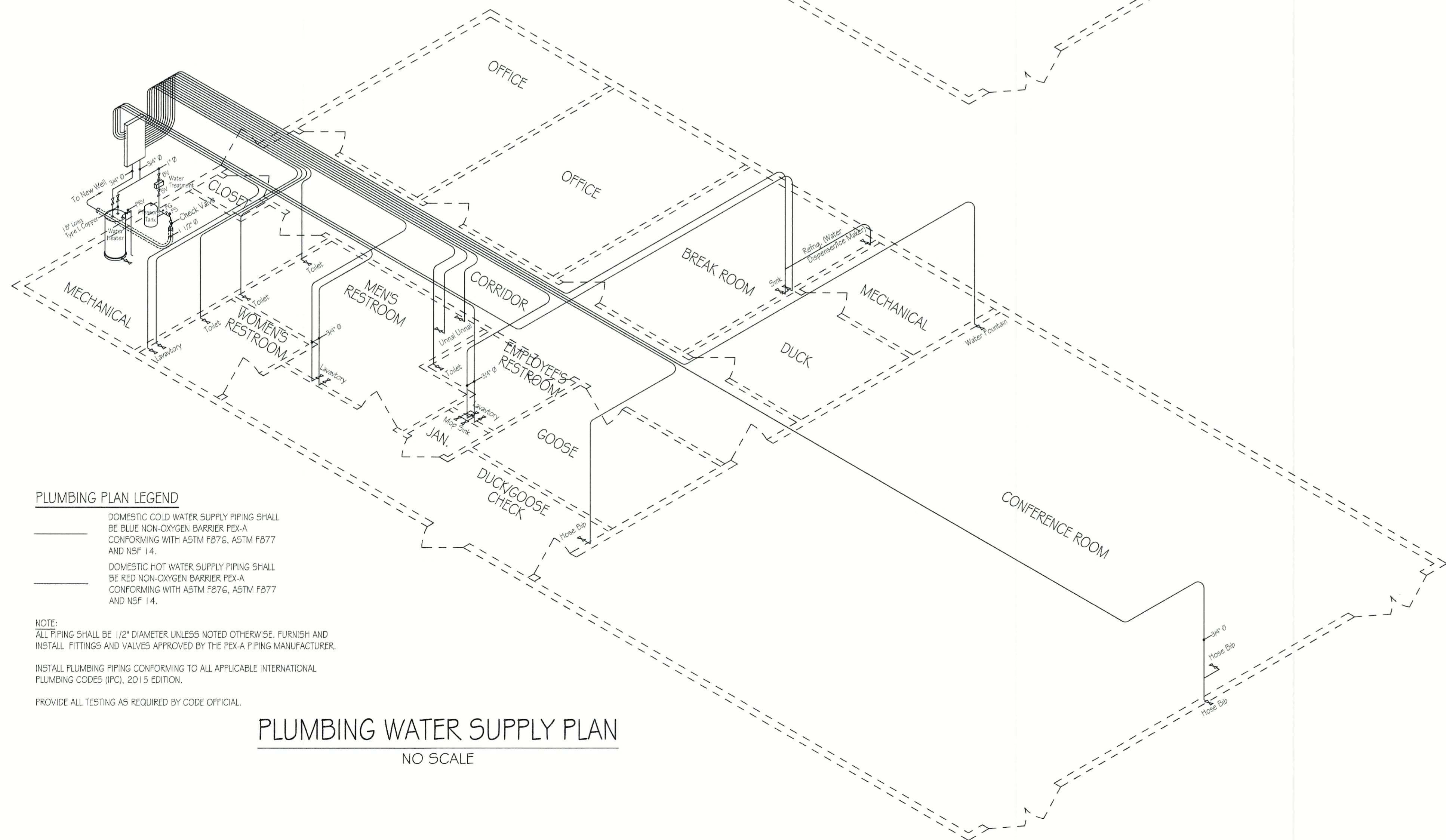


SANITARY SEWER PLUMBING PLAN LEGEND

— SCHEDULE 40 PVC SEWAGE DRAIN PIPING AND FITTINGS CONFORMING TO ASTM D1784, D1785 & D2665.

- - - SCHEDULE 40 PVC SEWAGE VENT PIPING AND FITTINGS CONFORMING TO ASTM D1784, D1785 & D2665.

PLUMBING SEWAGE DRAIN PLAN
NO SCALE



PLUMBING PLAN LEGEND

— DOMESTIC COLD WATER SUPPLY PIPING SHALL BE BLUE NON-OXYGEN BARRIER PE-X-A CONFORMING WITH ASTM F876, ASTM F877 AND NSF 1.4.

— DOMESTIC HOT WATER SUPPLY PIPING SHALL BE RED NON-OXYGEN BARRIER PE-X-A CONFORMING WITH ASTM F876, ASTM F877 AND NSF 1.4.

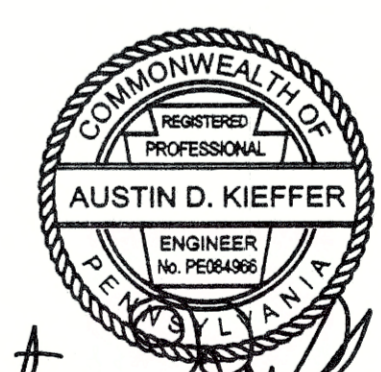
NOTE:
ALL PIPING SHALL BE 1/2" DIAMETER UNLESS NOTED OTHERWISE. FURNISH AND INSTALL FITTINGS AND VALVES APPROVED BY THE PE-X-A PIPING MANUFACTURER.

INSTALL PLUMBING PIPING CONFORMING TO ALL APPLICABLE INTERNATIONAL PLUMBING CODES (IPC), 2015 EDITION.

PROVIDE ALL TESTING AS REQUIRED BY CODE OFFICIAL.

PLUMBING WATER SUPPLY PLAN
NO SCALE

Austin D. Kieffer



PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
PLUMBING FLOOR PLANS		
REVISIONS	PROJECT NO.	PGC-214-21-02
▲	DRAWN BY:	CLOUSER/SPOTTS
▲	DATE:	2/27/2023
▲	SHEET NO.	P-1

LOAD CENTER: 200A SERVICE PANEL SCHEDULE			
VOLTAGE: 240/120V			
SERVICE FEEDER SIZE: 2-#4/0 & 1-#2 AL			
Circuit No.	Circuit Breaker Poles	Amps	Wiring No./Size
			200 AMP Main Service Breaker
1,3	2	40	HVAC Outside Unit Venfy w/M.C.
2,4	2	30	HVAC Inside Air Handler Unit Venfy w/M.C.
5,7	2	40	HVAC Outside Unit Venfy w/M.C.
6,8	2	30	HVAC Inside Air Handler Unit Venfy w/M.C.
9,11	2	20	Well Pump 3 - #10
10,12	2	30	Water Heater 3 - #10
13,15	2	20	Septic Dose Pump 3 - #10
16	1	20	Septic Tank Alarm 3 - #12
17	1	20	Exit Lighting 3 - #12
18	1	20	Conference Room Lighting 3 - #12
19	1	20	Offices, Breakroom, Duck Lighting 3 - #12
20	1	20	Corridor & Mechanical Room Lighting 3 - #12
21	1	20	Restrooms Lighting 3 - #12
22	1	20	Duck/Goose Check Lighting 3 - #12
23	1	20	Exterior Entrances Lighting 3 - #12
24	1	20	Exterior Rear Lighting 3 - #12
25	1	20	Office Receptacles 3 - #12
26	1	20	Breakroom Receptacles 3 - #12
27	1	20	Refrigerator 3 - #12
28	1	20	Break Room Exhaust Fan 3 - #12
29	1	20	Duck & Mech. Room Receptacles 3 - #12
30	1	20	Conference Room East Receptacles 3 - #12
31	1	20	Conference Room West Receptacles 3 - #12
32	1	20	Goose Check Receptacles 3 - #12
33	1	20	Restroom Receptacles 3 - #12
34	1	20	Mechanical Room Receptacles 3 - #12
35	1	20	Restroom Exhaust Fans 3 - #12
36	1	20	Service Panel Receptacle 3 - #12
37	1	20	Exterior PGC Sign Lights 3 - #12
38-60			Spare Spaces

PANEL SCHEDULE NOTES:
All exposed wiring in min 3/4" Ø metal conduit, all concealed wiring shall be MC.

LIGHTING FIXTURE SCHEDULE			
MARK	QTY	FIXTURE TYPE	MODEL
A	15	2' x 4' LED Flat Panel	LITHONIA EPANL 24 40L 35k
B	24	2' x 2' LED Flat Panel	LITHONIA EPANL 22 34L 35k
C	3	1' x 4' LED Surface Mounted	LITHONIA 5BL4LP835
D	1	1 1/2" Round LED Surface Mount	LITHONIA FMLRL 1 1/2 14840 M4
E	2	2' Integrated LED wall mount vanity light	LITHONIA FMVTSL 3000K
F	1	4' Integrated LED wall mount vanity light	LITHONIA FMVTSL 3000K
G	7	6' Round Recessed Downlight	LITHONIA WFG LED 40K MVOLT w/New Construction Pan
H	3	WDGE LED Architectural Wallpack	LITHONIA WDGE1 LED 300K
I	4	LED Site Lighting Wall Mounted	LITHONIA TWX2 LED ALO 40K MVOLT DDBTXD
J	2	Linear Asymmetric Distributed Bronze Spot Light with LED source with integral driver, 1 1/2" stem with knuckle	AMETRIX A04-S1-A-4000-LED-40K-120-b-AK 12

ELECTRICAL WIRING SYMBOLS	
⊕	Duplex GFI Receptacle
⊖	Duplex Outlet
⊕⊖	Quad Outlet
⊕⊖⊕⊖	Home Run/Circuit #
⊕	Water Heater
⊕	Telecommunications Outlet
⊕	Exit & Emergency Egress Lighting
⊕	w/back-up batteries
⊕	Photo Cell
⊕	Switch
⊕	Switch, 3 Way
⊕	Switch, 4 Way
⊕	Switch, Occupancy Sensor
⊕	Pressure Switch
⊕	Water Pump
⊕	Dusk to Dawn Photocell
⊕	Exhaust Fan

GENERAL ELECTRICAL NOTES:

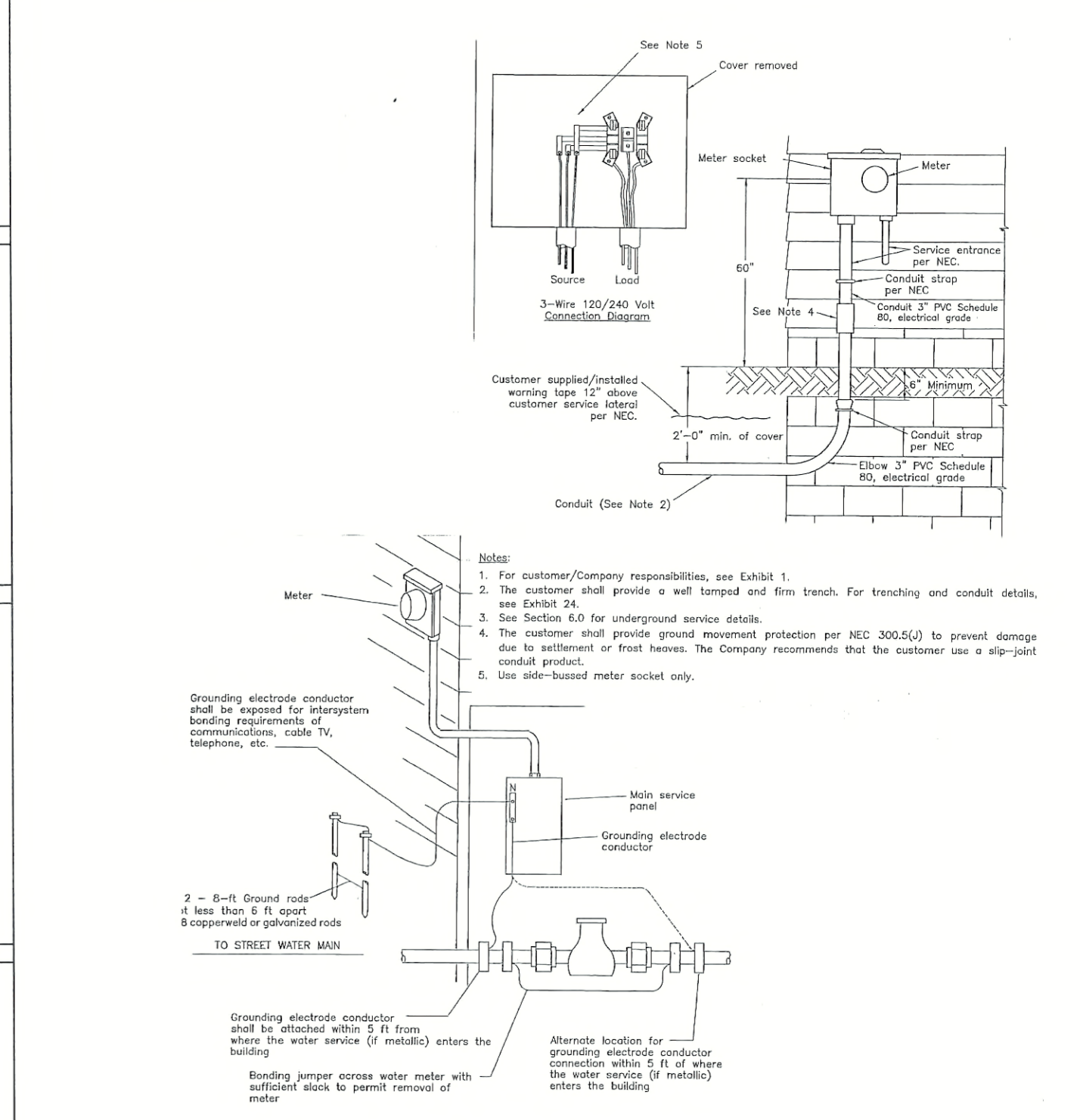
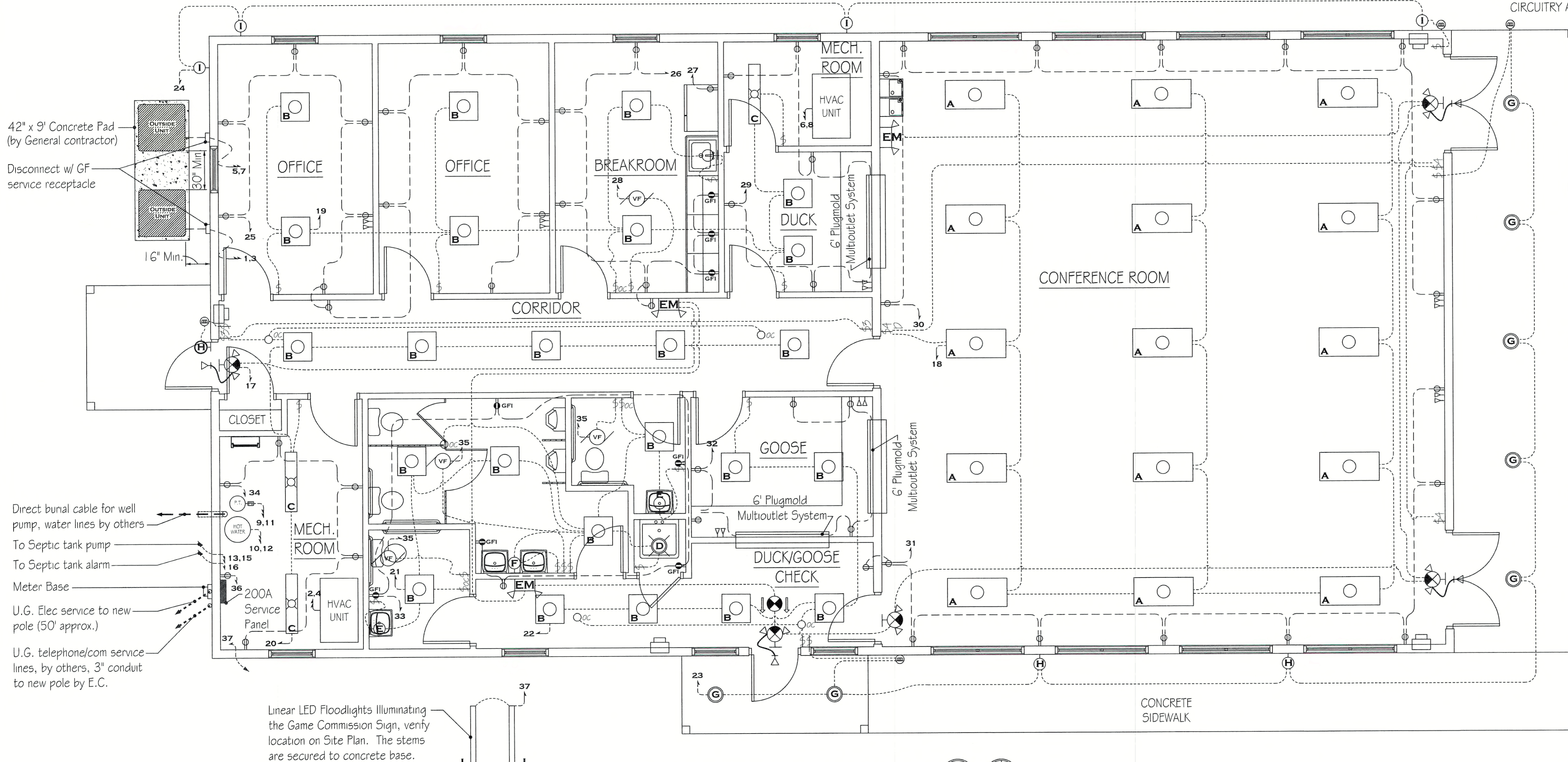
- FURNISH AND INSTALL SOLID COPPER CONDUCTORS AS SPECIFIED; NO ALUMINUM AND NO STRANDED. MC CABLE IS APPROVED FOR ALL HOME RUN CIRCUITS IF NEATLY INSTALLED.
- ALL CONDUCTORS FOR 120V CIRCUITS OVER 100' IN LENGTH SHALL BE MINIMUM #10AWG. ALL CONDUCTORS FOR 120V CIRCUITS OVER 150' IN LENGTH SHALL BE MINIMUM #8AWG. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF FINAL CIRCUIT LENGTHS AND CORRESPONDING WIRE SIZE TO ENSURE VOLTAGE DROP IS MAINTAINED WITHIN NEC LIMITS.
- ALL WORK SHALL BE PERFORMED AS REQUIRED BY APPLICABLE SECTION OF THE NATIONAL ELECTRICAL CODE (NEC), LATEST EDITION, AND ALL GOVERNING UCC BUILDING CODES AND REGULATIONS.
- PROVIDE GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS. ELECTRICAL COMPONENTS, DEVICES AND ACCESSORIES SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70 AND COMPLY WITH UL 467 FOR GROUNDING AND BONDING MATERIALS AND EQUIPMENT. INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS ALL FEEDERS AND BRACH CIRCUITS, LIGHTING CIRCUITS, RECEPTACLE CIRCUITS SINGLE PHASE MOTOR AND APPLIANCE BRANCH CIRCUITS, ARMORED AND METAL-CLAD CABLE RUNS AND AS REQUIRED BY NFPA 70.
- PROVIDE ALL HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS, INCLUDING STEEL SLOTTED SUPPORT SYSTEMS, CONDUIT AND CABLE SUPPORT DEVICES, SUPPORTS FOR CONDUCTORS IN VERTICAL CONDUIT. HANGERS AND SUPPORTS SHALL HAVE A FLAME RATING OF CLASS 1 AND BE SELF-EXTINGUISHING ACCORDING TO ASTM D 635.

SYMBOL SCHEDULE - EMERGENCY LIGHTING	
SYMBOL	DESCRIPTION
⊕	NEW LED EXIT SIGN COMBO UNIT w/ BATTERY BACK UP AND REMOTE EXTERIOR HEAD, LITHONIA MODEL No. ECRLEDHO M6 w/ ELALED WP M12 OR APPROVED EQUAL
⊕	NEW LED DOUBLE FACED EXIT SIGN WITH DIRECTIONAL CHEVRONS AND NI-MH BATTERY BACKUP, LITHONIA MODEL No. EXRG EL M6 OR APPROVED EQUAL
⊕	NEW BATTERY BACK UP EMERGENCY LIGHT PACK, LITHONIA MODEL No. EU2C OR APPROVED EQUAL

RECEPTACLE & SWITCH MOUNTING HEIGHTS	
Office Receptacles and Telephone	18"
All switches and other receptacles	42"

LIGHTING GENERAL NOTES:

- FURNISH AND INSTALL NEW EPANL COMPATIBLE OCCUPANCY SENSOR (WSXA) SWITCHES AND CEILING/SURFACE MOUNTED OCCUPANCY SENSORS (NCM-LARGE MOTION) AT LOCATIONS AS INDICATED ON ELECTRICAL - FLOOR PLAN. FURNISH AND INSTALL EPANL COMPATIBLE WALL DIMMING SWITCHES (SPOD) AT LOCATIONS AS INDICATED ON ELECTRICAL - FLOOR PLAN.
- THE CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE LIGHTING SYSTEM. CONTRACTOR SHALL COORDINATE LOCATION OF FIXTURES, DEVICES, ETC. WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES.
- ALL WIRING SHALL BE TYPE "THHN/THWN" UNLESS OTHERWISE NOTED; MINIMUM WIRING SHALL BE #12. ALL WIRE SHALL BE COPPER. MINIMUM CONDUIT SIZE SHALL BE 3/4". SYSTEM AND EQUIPMENT GROUNDING CONTINUITY SHALL BE ASSURED AS REQUIRED BY APPLICABLE SECTIONS OF THE NEC.
- ALL CIRCUIT PROTECTIVE DEVICES SHALL HAVE THE REQUIRED RATING INTERRUPTING CAPACITY EQUAL TO OR GREATER THAN THE AVAILABLE SHORT-CIRCUIT CURRENT AT ITS SUPPLY TERMINAL.
- TYPICAL FIXTURE TAG "A" DENOTES FIXTURE TYPE TO BE CONNECTED TO NEW ELECTRICAL PANEL. PROVIDE ALL ACCESSORY LIGHTING CONTROLS AND MOUNTING HARDWARE AS REQUIRED FOR INSTALLATION OF NEW LIGHTING SYSTEMS.
- FURNISH AND INSTALL NEW WEATHERPROOF DUSK TO DAWN ELECTRIC PHOTOCELL SENSOR FOR EXTERIOR LIGHTING CIRCUITRY AND FIXTURES AT LOCATIONS AS INDICATED ON ELECTRICAL - FLOOR PLAN.



42" x 9" Concrete Pad (by General contractor)
Disconnect w/ GF service receptacle
30" Min.
16" Min.
Direct burial cable for well pump, water lines by others
To Septic tank pump
To Septic tank alarm
Meter Base
U.G. Elec service to new pole (50' approx.)
U.G. telephone/com service lines, by others, 3" conduit to new pole by E.C.

Linear LED Floodlights Illuminating the Game Commission Sign, verify location on Site Plan. The stems are secured to concrete base.

FIRST FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"
TRUE NORTH PROJECT NORTH

AUSTIN D. KIEFFER
ENGINEER
No. PENN0484
PENNSYLVANIA

PENNSYLVANIA GAME COMMISSION	
STATE GAME LANDS #214 NORTH SHENANGO TWP. CRAWFORD CO.	
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