

PENNSYLVANIA GAME COMMISSION

PROJECT NO. PGC-214-21-02

STATE GAME LANDS #214

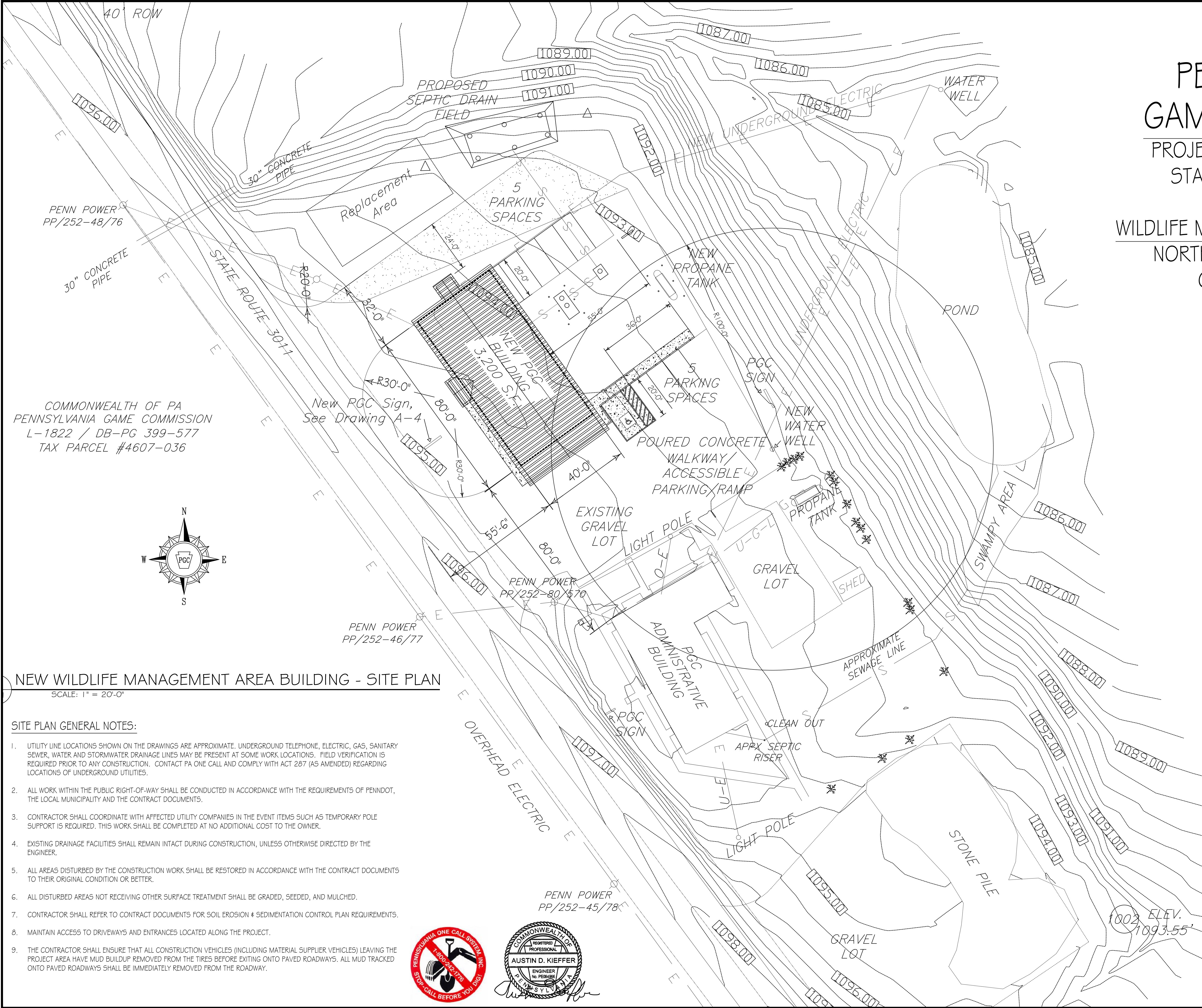
PYMANTUNING

WILDLIFE MANAGEMENT AREA BUILDING

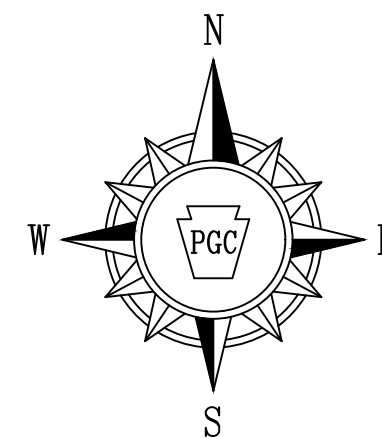
NORTH SHENANGO TOWNSHIP

CRAWFORD COUNTY

PENNSYLVANIA



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 267 (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.



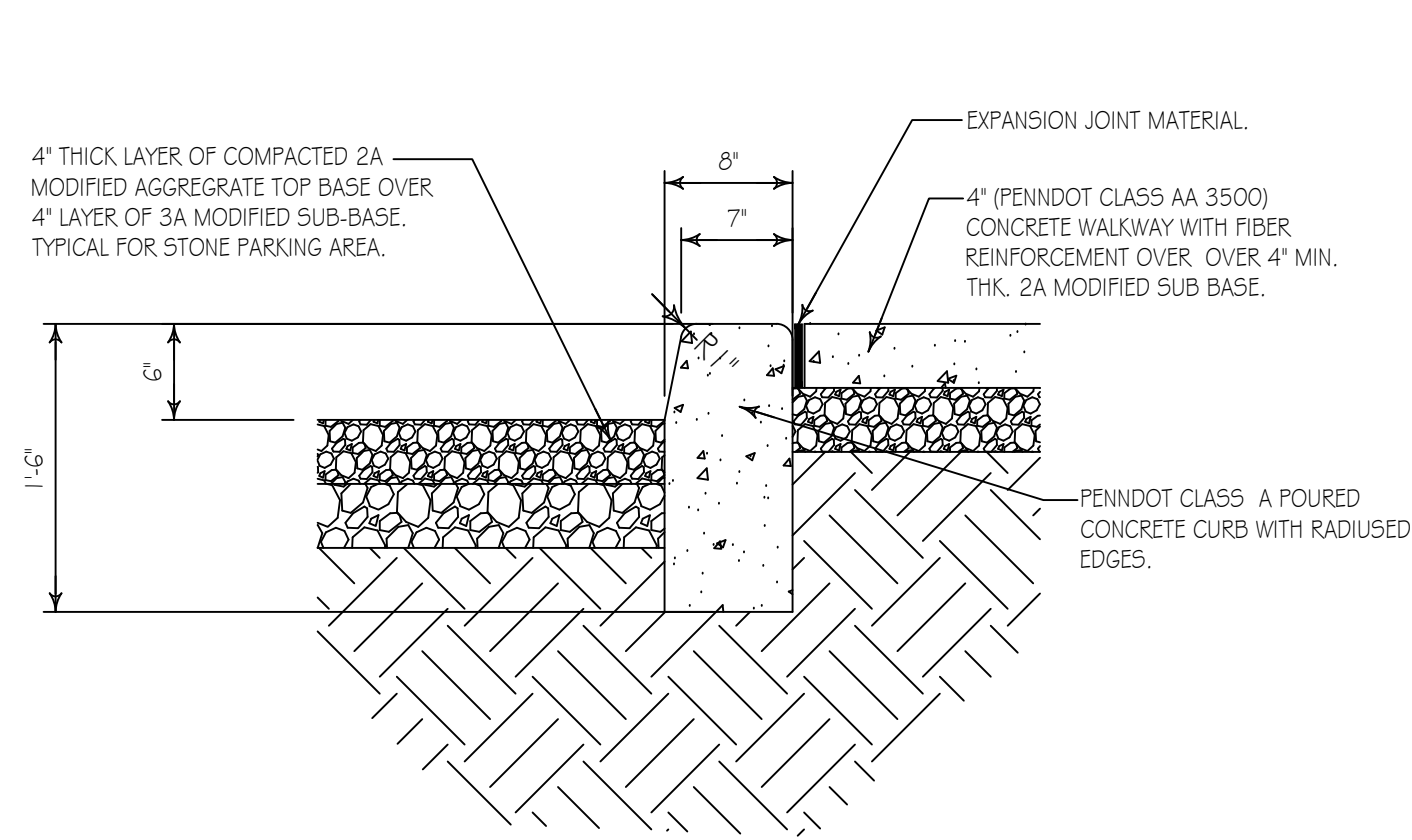
CONTRACTS:

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

DRAWING INDEX

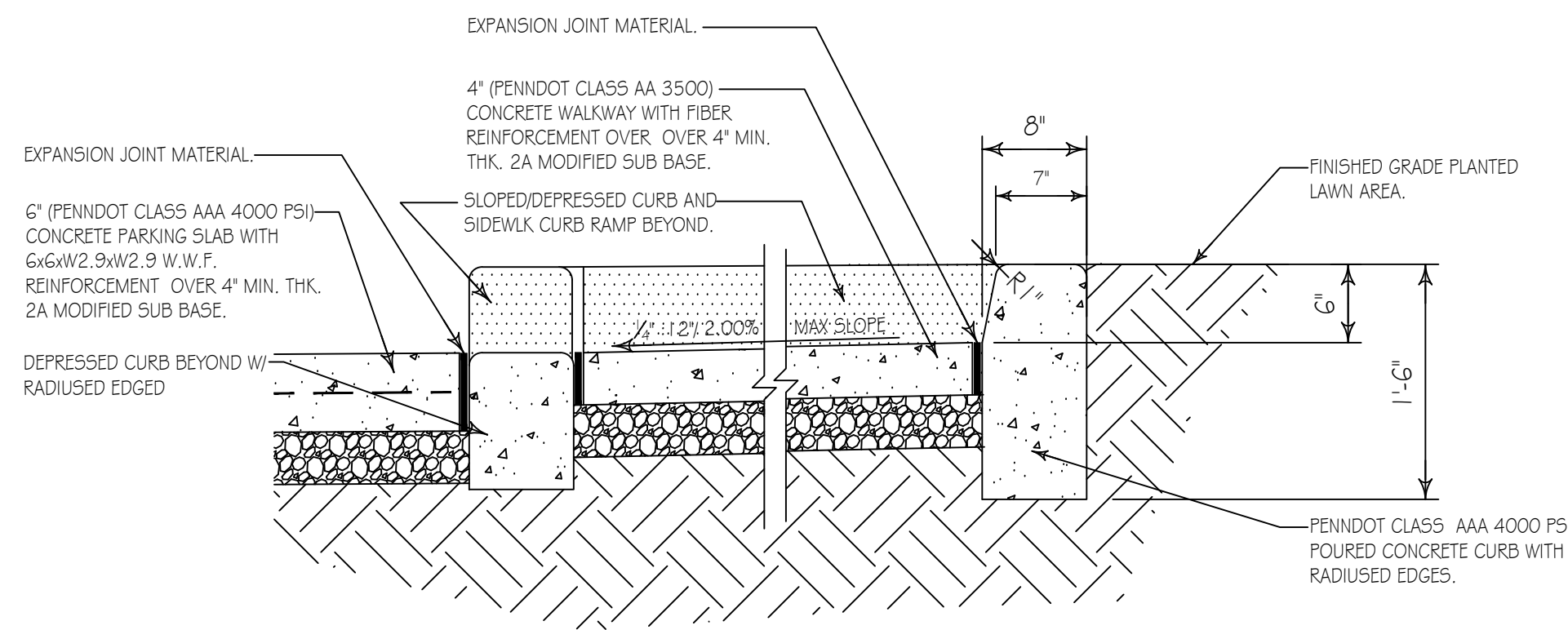
- CS-1 COVER SHEET & BUILDING SITE PLAN
- SP-1 SITE DETAILS & SECTIONS
- A-1 BUILDING FLOOR PLAN & ELEVATIONS
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- A-5 ENLARGED PLANS & ELEVATIONS
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- M-1 MECHANICAL FLOOR PLAN, SCHEDULES & DETAILS
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- E-1 ELECTRICAL FLOOR PLAN, SCHEDULES & DETAILS

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



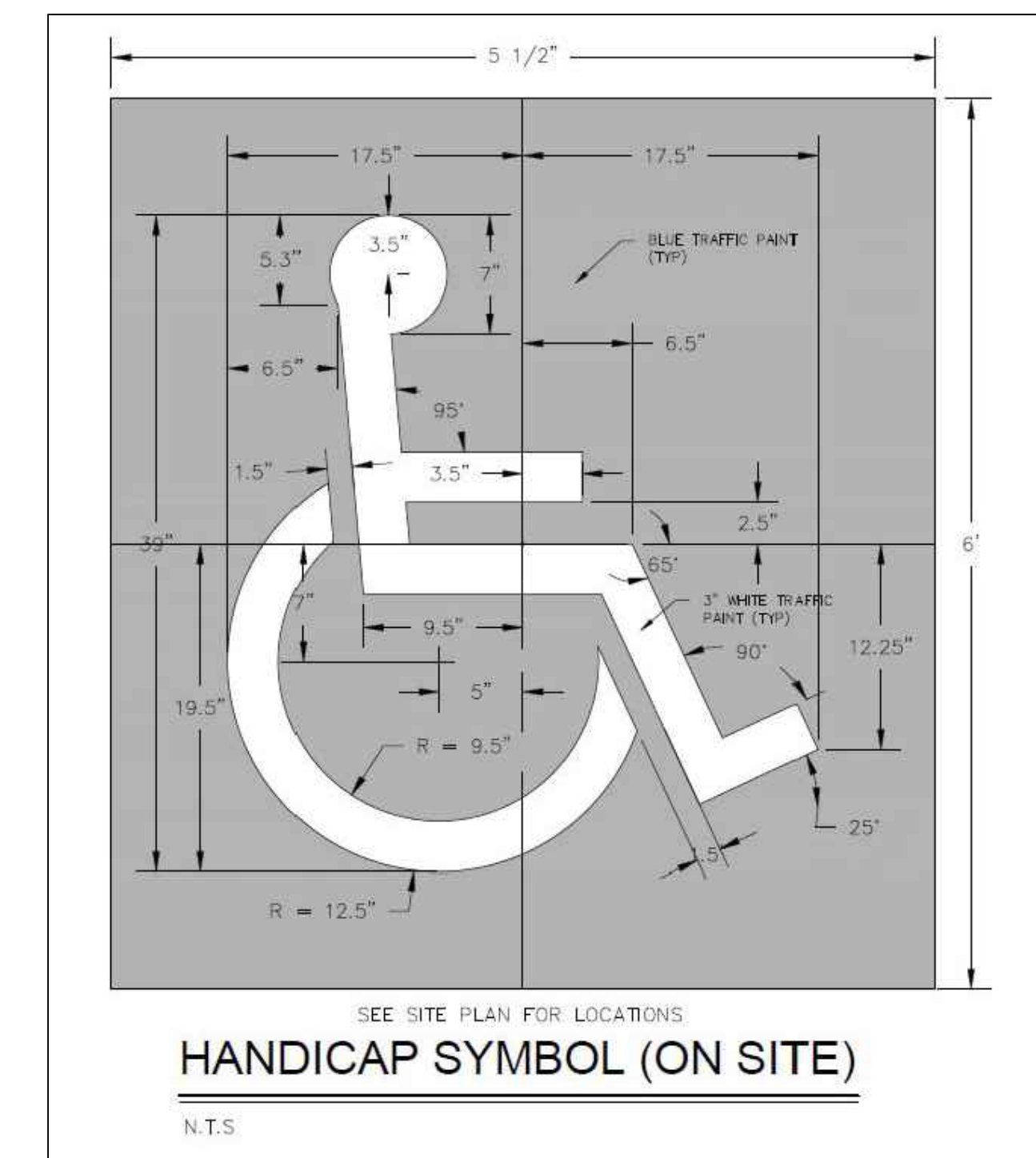
CONCRETE CURB/SIDEWALK DETAIL

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



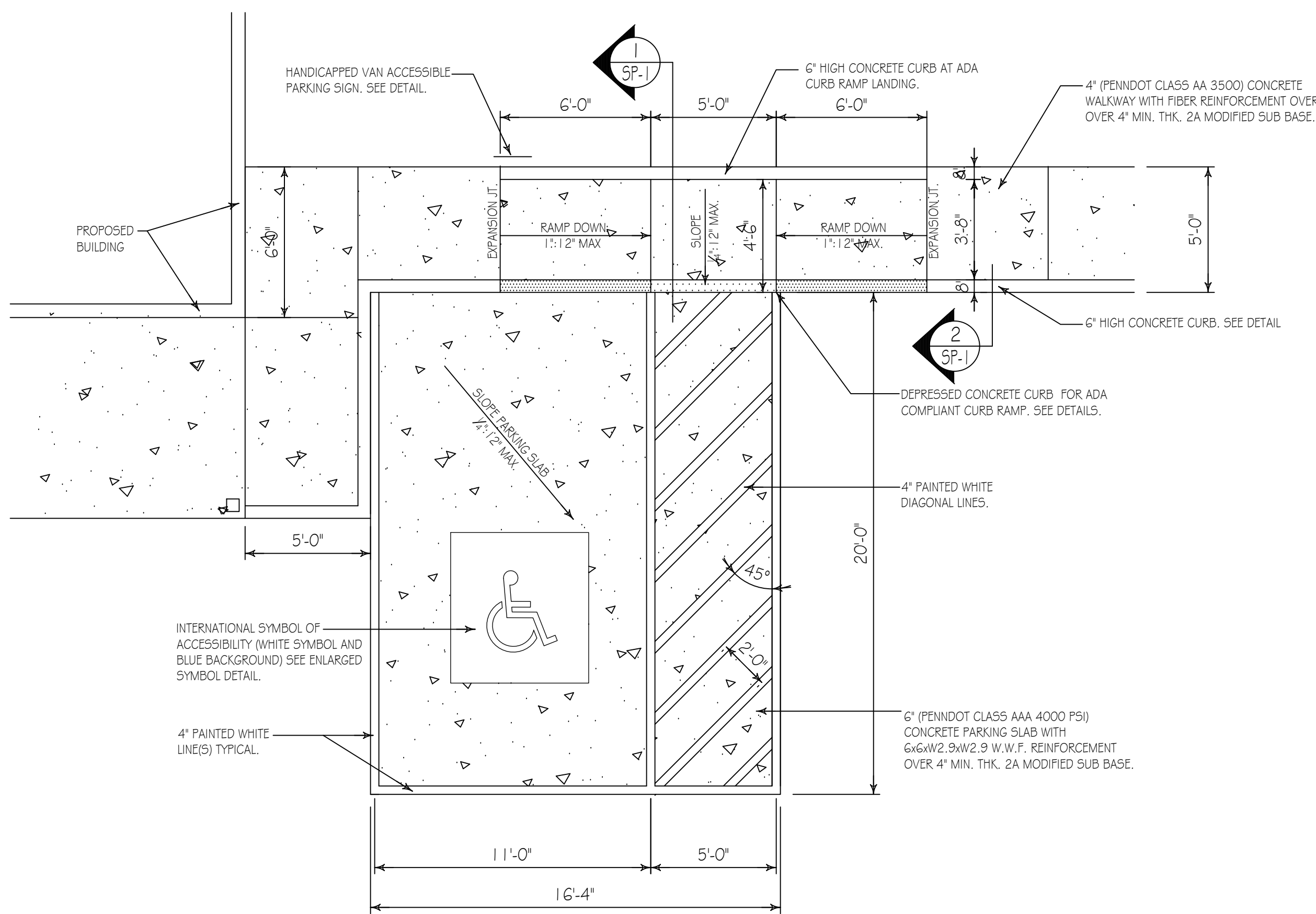
CONCRETE CURB/CURB RAMP LANDING DETAIL

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



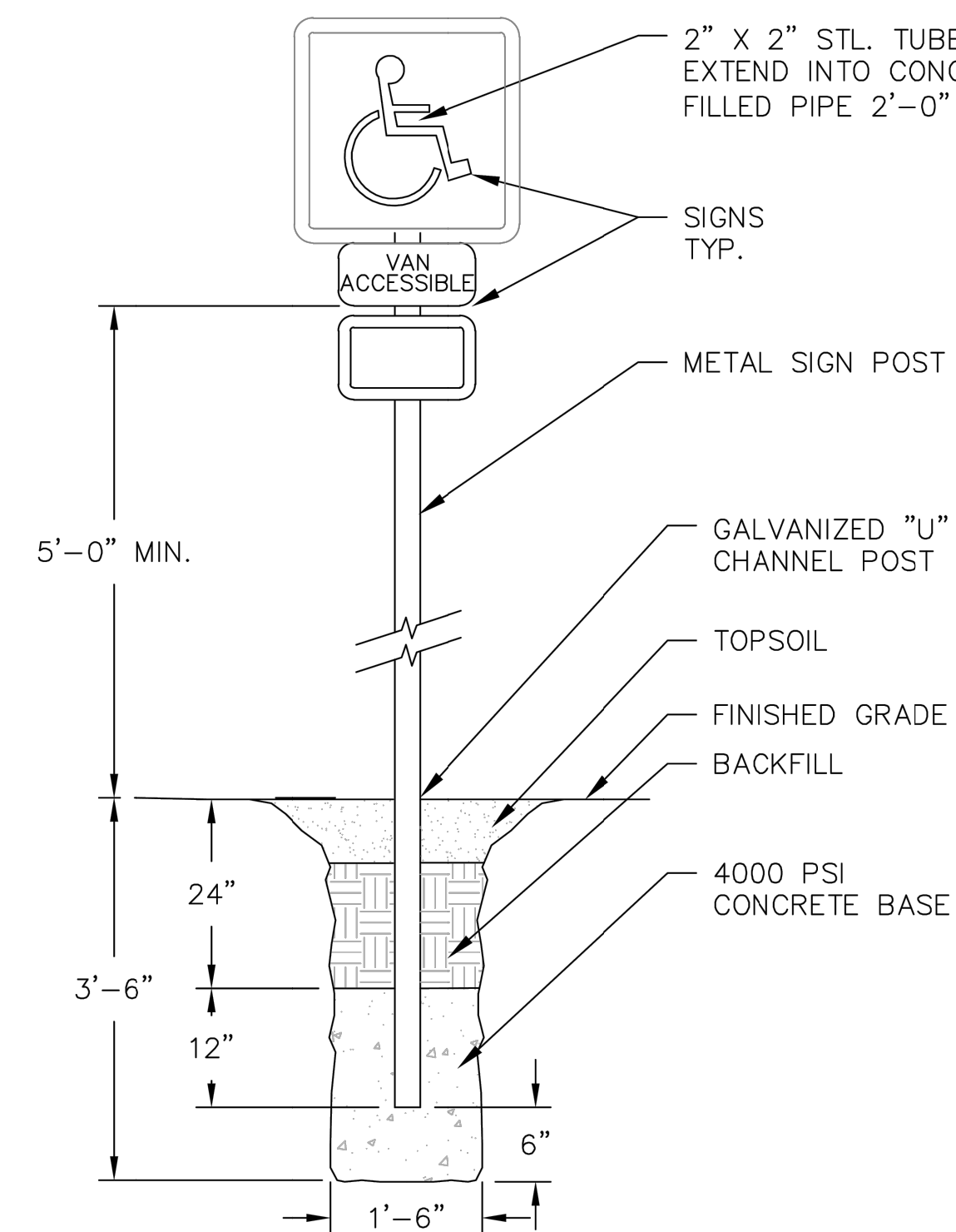
HANDICAP SYMBOL (ON SITE)

N.T.S.



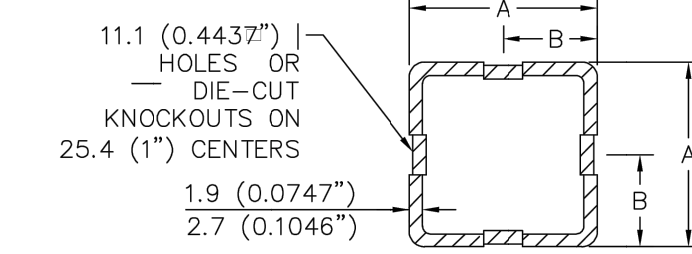
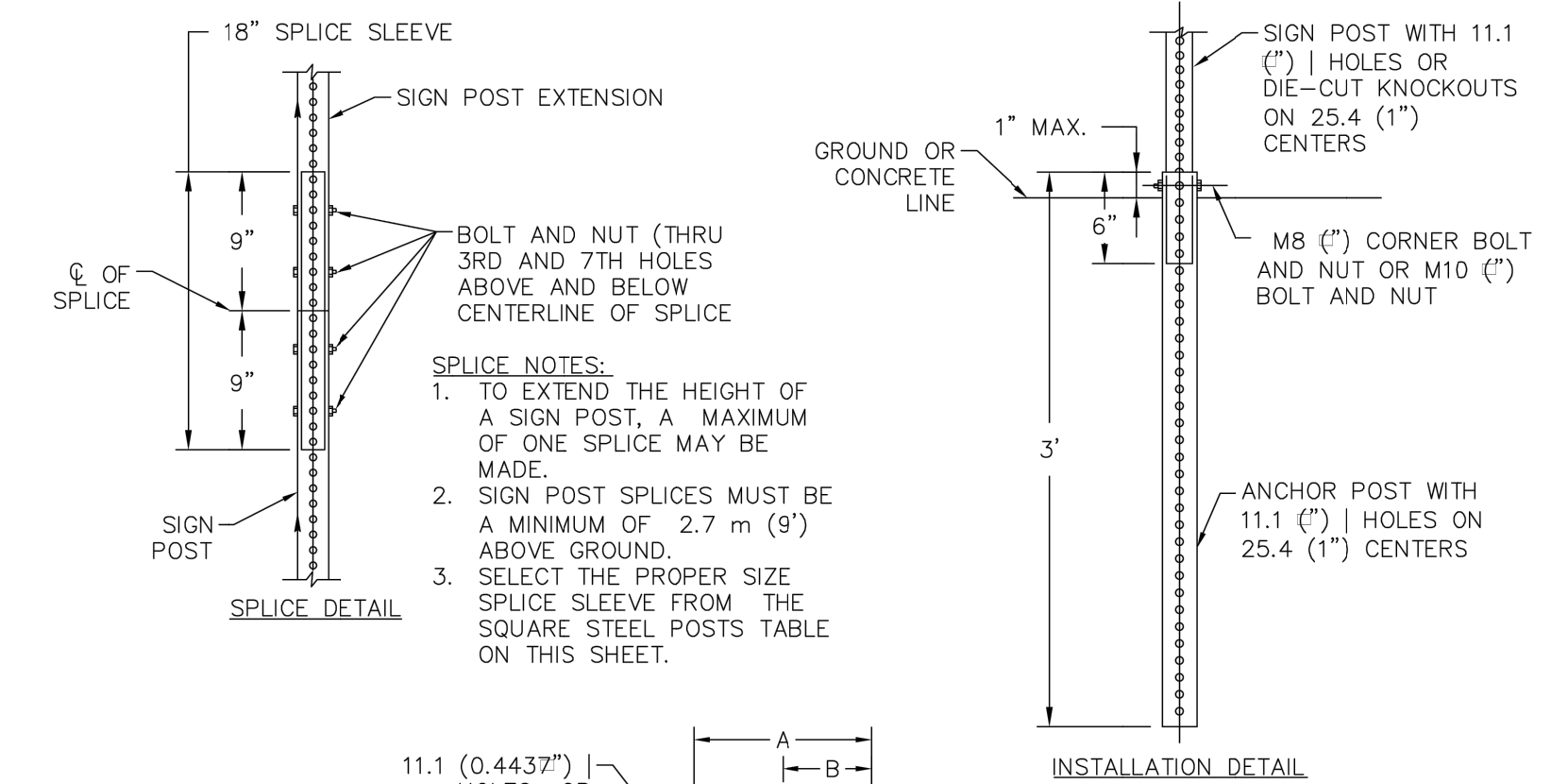
HANDICAPPED PARKING STALL LAYOUT

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



VAN ACCESSIBLE PARKING SIGN

N.T.S.



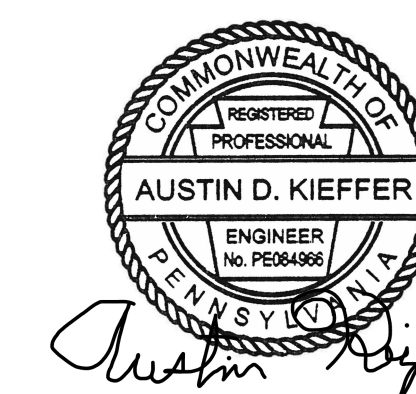
SIGN POST				ANCHOR POST			
SIZE	DIMENSION		THICK.	SIZE	DIMENSION		THICK.
	A	B			A	B	
1.75"	1.75"	0.875"	0.0747"	2.00"	2.00"	1.000"	0.1046"
2.00"	2.00"	1.000"	0.0747"	2.25"	2.25"	1.125"	0.1046"
2.25"	2.25"	1.125"	0.0747"	2.50"	2.50"	1.250"	0.1046"
ANCHOR SLEEVE *				SPICE SLEEVE			
SIZE	DIMENSION		THICK.	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)

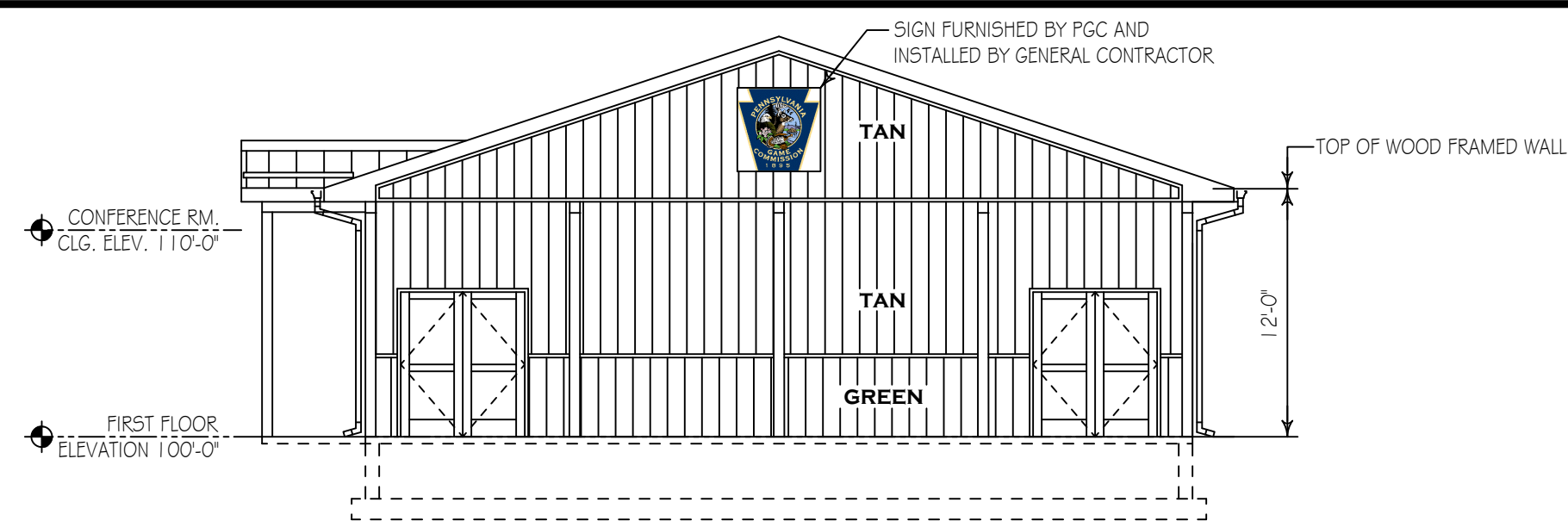
- NOTES:
- STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 30 LBS OR GREATER PER LINEAR FOOT.
 - AFTER FABRICATION ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A-123.
 - SIGN MOUNTING HEIGHT TO BE PER MUTCD REQUIREMENTS.
 - ALL SIGN POSTS SHALL HAVE "BREAK AWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS 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

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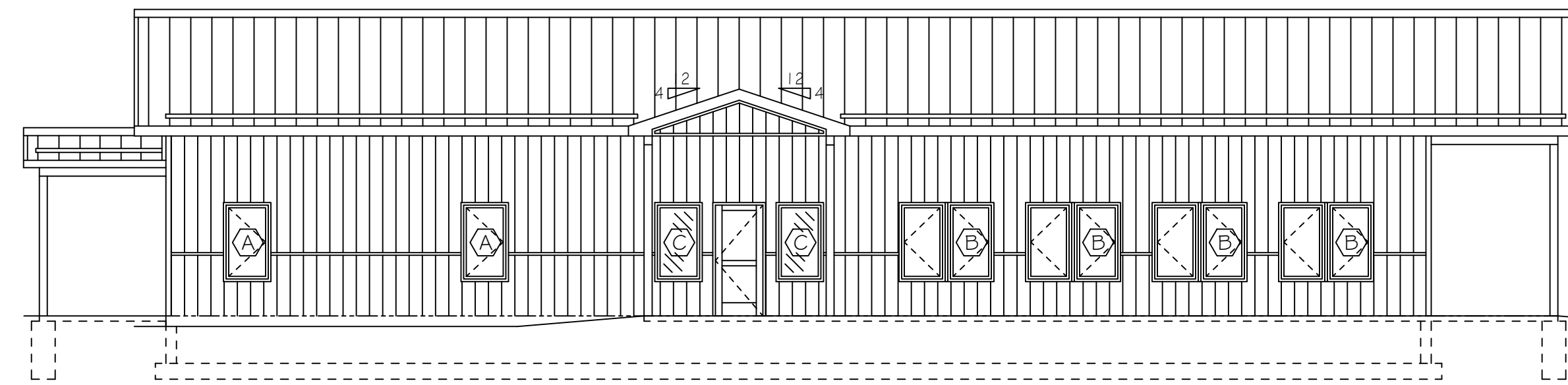


PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
SITE DETAILS # SECTIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	SP-1



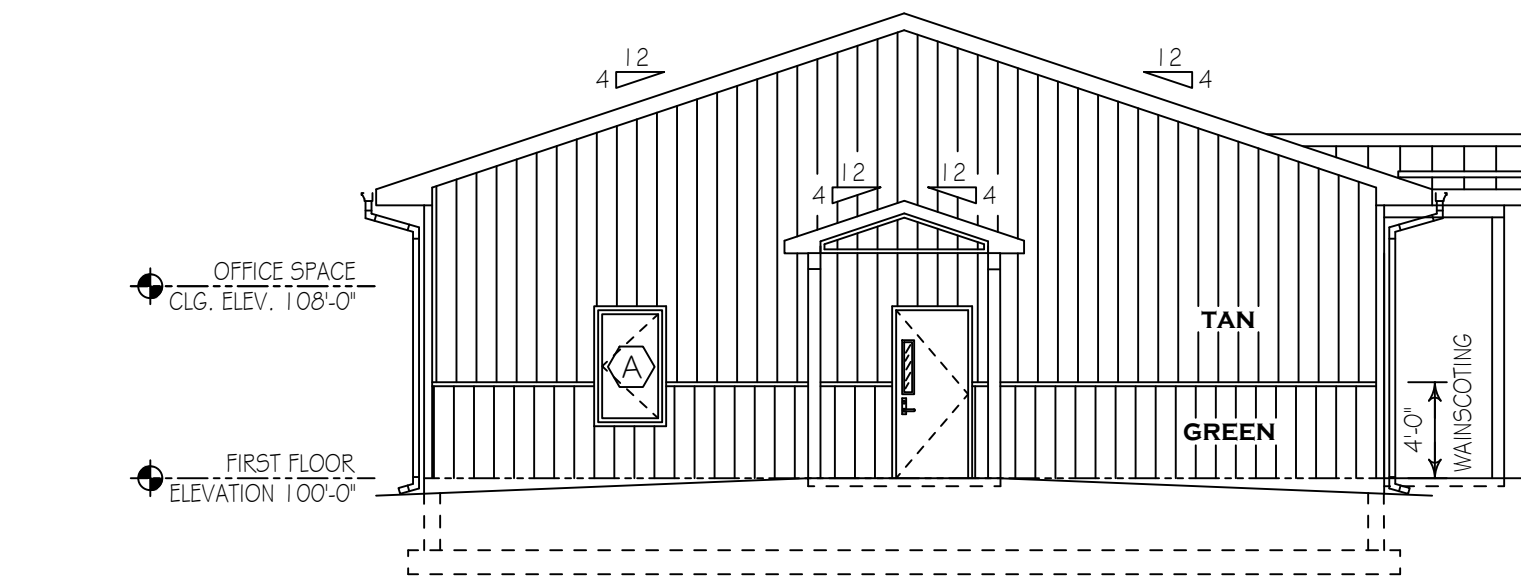
NORTH SIDE ELEVATION

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



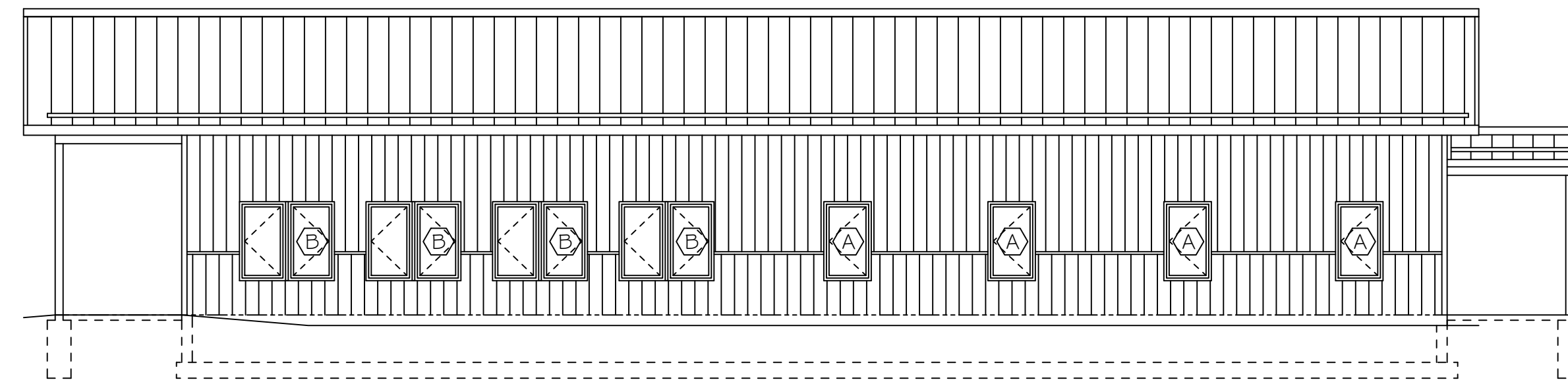
FRONT ELEVATION

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



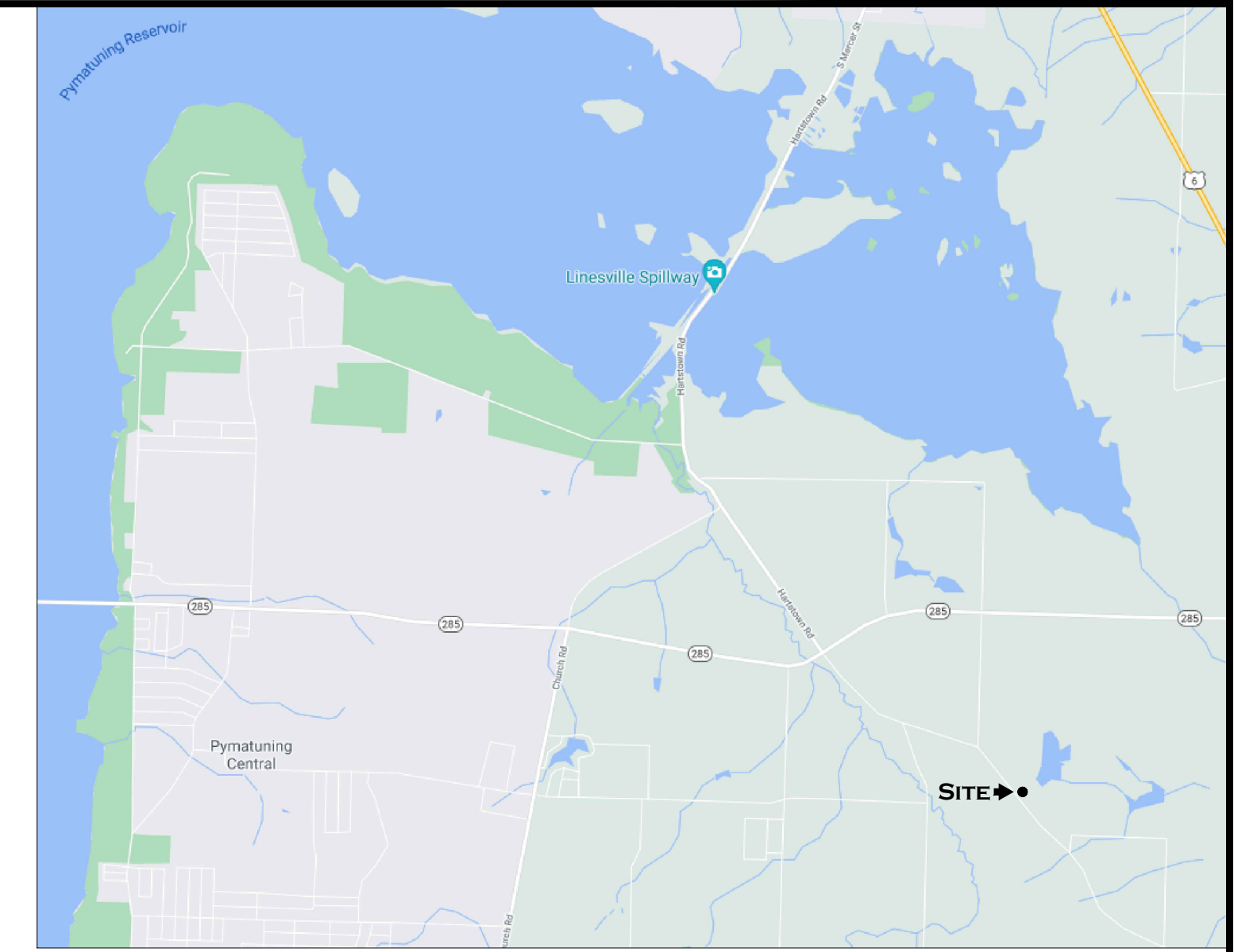
SOUTH SIDE ELEVATION

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



REAR ELEVATION

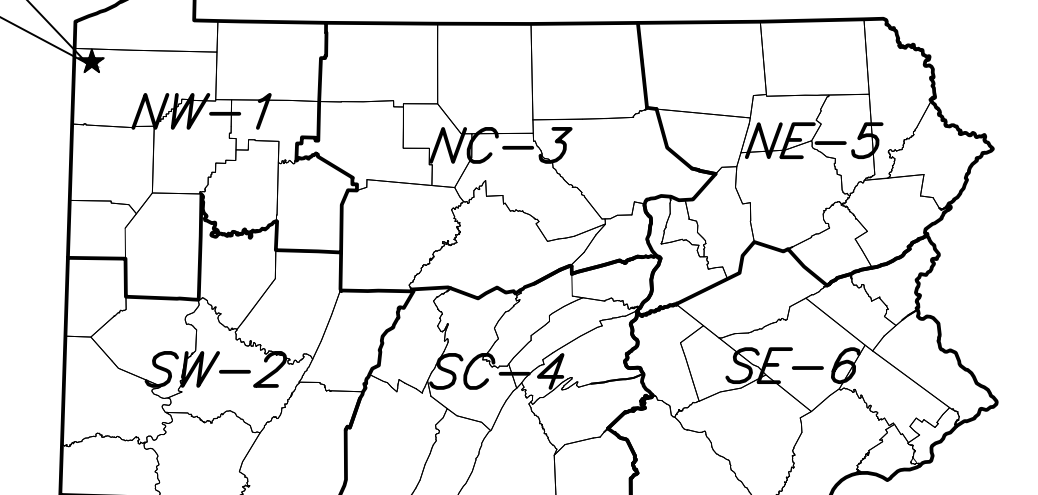
SCALE: 1/8" = 1'-0" SEE SHEET SP-1 FOR ADDITIONAL INFORMATION REGARDING HANDICAPPED PARKING, ACCESS RAMP & DETAILS.



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

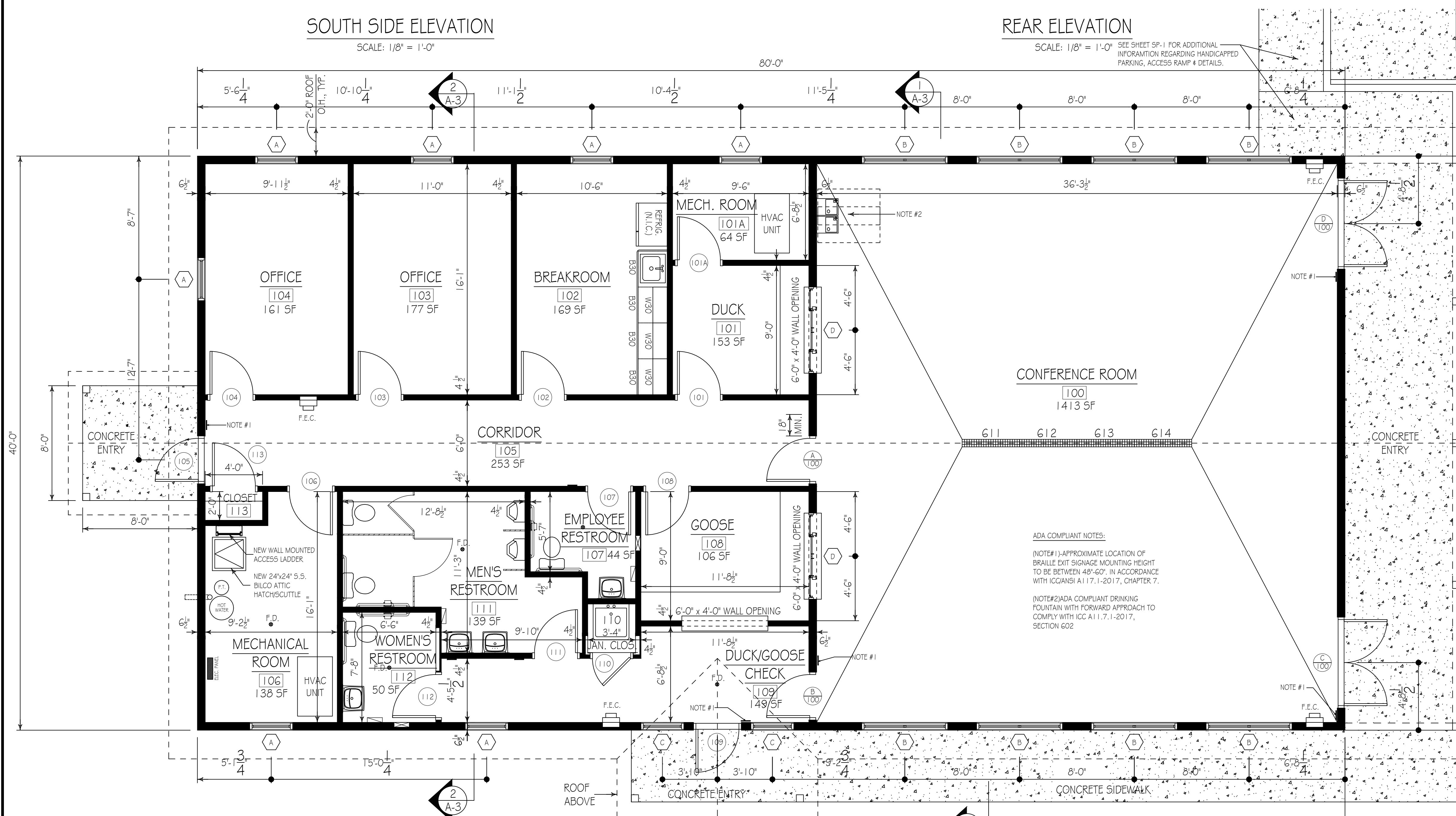
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BUILDING CODE SUMMARY

Code: International Building Code, 2018 edition

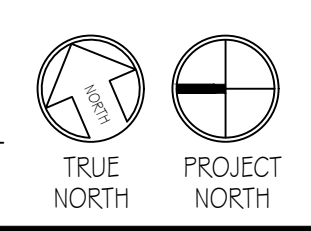
Scope: Construction of a New 40' x 80' Waterfowl Check Building on State Game Lands No. 214 in North Shenango Township, Crawford County. The new building shall include accommodations for PGC to provide wildlife management, wildlife check, waterfowl hunting programs including supporting staff offices 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)
 3,200 S.F. / 150 = 22 Persons
 Egress Width: 22 x 0.2 inches = 4.4 inches min. (1005.1).
 Means Of Egress: 4 Exits provided = 216 inches; 2 required (1007.1, Table 1006.3.2).
 Accessibility: 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.
 Energy Efficiency:



FIRST FLOOR PLAN

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



Justin Kieffer

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/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	A-1

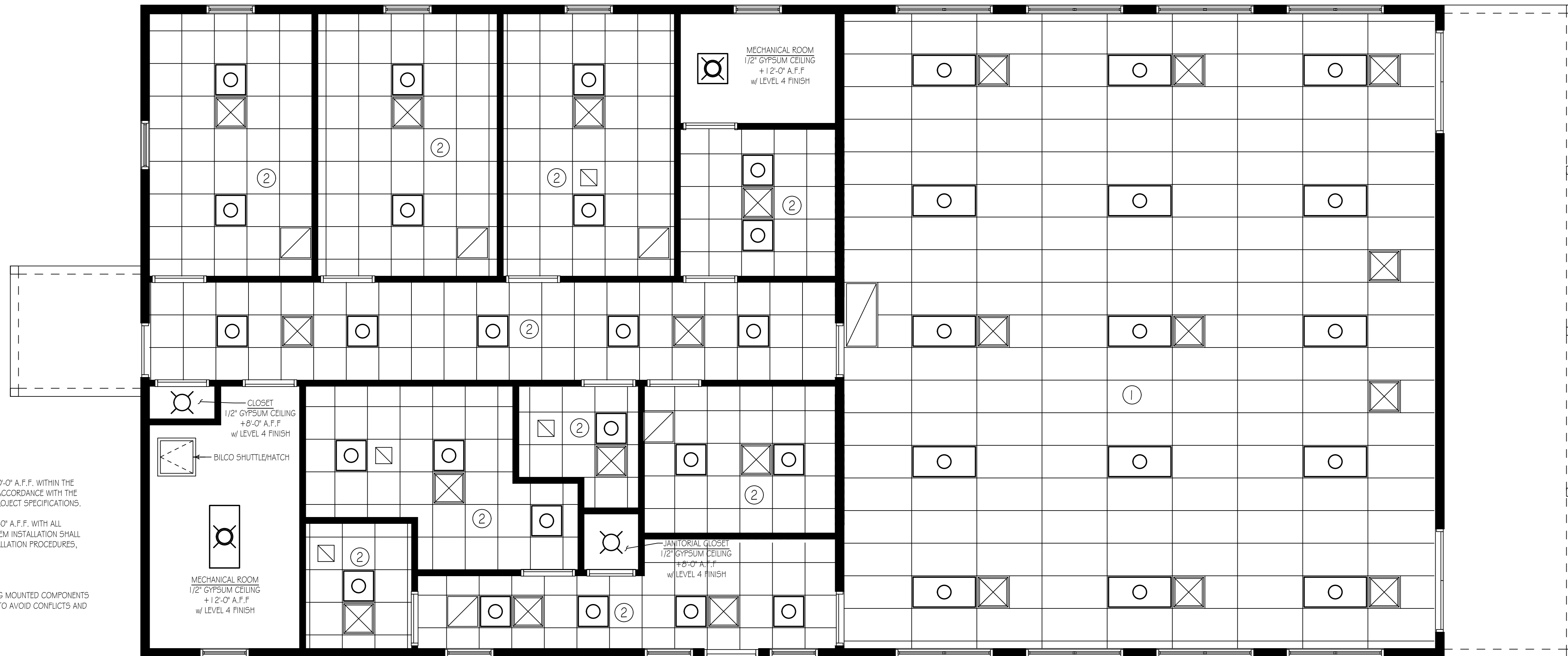
RCP LEGEND

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REFLECTED CEILING PLAN - CONSTRUCTION NOTES

1. FURNISH AND INSTALL A NEW 2x4 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 2x2 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.



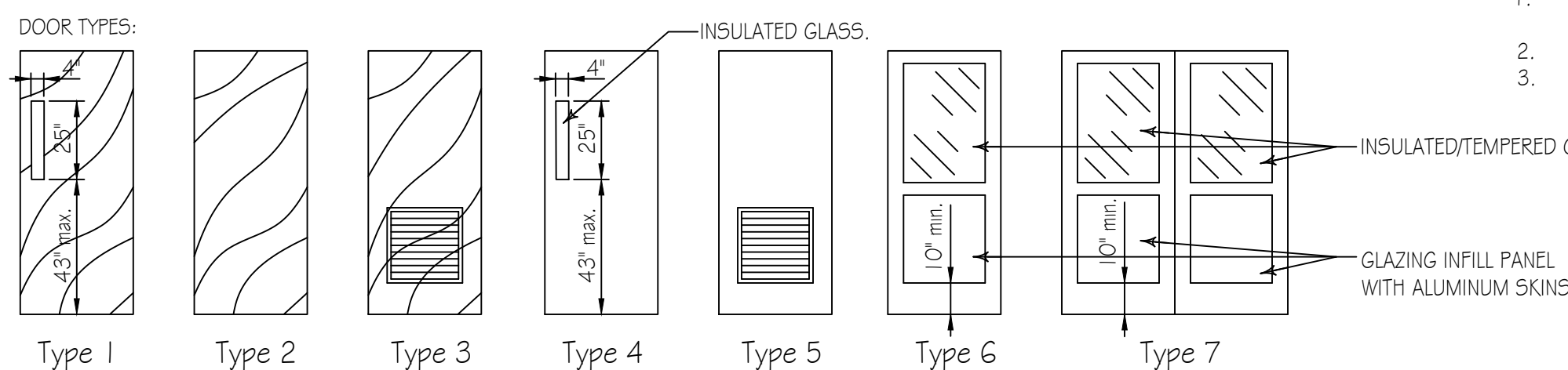
FIRST FLOOR REFLECTED CEILING PLAN

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

DOOR SCHEDULE

DOOR							DOOR FRAME			
DOOR No.	FIRE RATING	WIDTH	HEIGHT	THK.	MATL.	HARDWARE	TYPE	MATL.	FIRE RATING	REMARKS
100A	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 2	1	STEEL	NA	SOLID CORE FLUSH PANEL DOOR W/ VISION PANEL
100B	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 2	1	STEEL	NA	SOLID CORE FLUSH PANEL DOOR W/ VISION PANEL
100C	NA	6'-0"	7'-0"	1 3/4"	ALUM.	HARDWARE SET 1	7	ALUM.	NA	ALUMINUM STOREFRONT ENTRY DOORS
100D	NA	6'-0"	7'-0"	1 3/4"	ALUM.	HARDWARE SET 1	7	ALUM.	NA	ALUMINUM STOREFRONT ENTRY DOORS
101	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 3	1	STEEL	NA	SOLID CORE FLUSH PANEL DOOR W/ VISION PANEL
101A	NA	3'-0"	7'-0"	1 3/4"	STEEL	HARDWARE SET 4	5	STEEL	NA	FLUSH PANEL DOOR WITH DOOR LOUVER
102	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 3	1	STEEL	NA	SOLID CORE FLUSH PANEL DOOR W/ VISION PANEL
103	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 4	2	STEEL	NA	SOLID CORE FLUSH PANEL DOOR
104	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 4	2	STEEL	NA	SOLID CORE FLUSH PANEL DOOR
105	NA	3'-0"	7'-0"	1 3/4"	STEEL	HARDWARE SET 5	4	STEEL	NA	INSULATED EXTERIOR FLUSH DOOR W/ VISION PANEL
106	NA	3'-0"	7'-0"	1 3/4"	STEEL	HARDWARE SET 4	5	STEEL	NA	FLUSH PANEL DOOR WITH DOOR LOUVER
107	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 4	3	STEEL	NA	SOLID CORE FLUSH PANEL DOOR WITH LOUVER
108	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 3	1	STEEL	NA	SOLID CORE FLUSH PANEL DOOR W/ VISION PANEL
109	NA	3'-0"	7'-0"	1 3/4"	ALUM.	HARDWARE SET 8	6	ALUM.	NA	ALUMINUM STOREFRONT ENTRY DOOR
110	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 6	3	STEEL	NA	SOLID CORE FLUSH PANEL DOOR WITH LOUVER
111	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 7	3	STEEL	NA	SOLID CORE FLUSH PANEL DOOR WITH LOUVER
112	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 4	3	STEEL	NA	SOLID CORE FLUSH PANEL DOOR WITH LOUVER
113	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 3	2	STEEL	NA	SOLID CORE FLUSH PANEL DOOR

- 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 KEYED TO PGC KEYING SYSTEM.



DOOR HARDWARE SETS:

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

1. DOUBLE DOOR EXIT DEVICE: KAWNEER 1686 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. PERMANENT CORES TO BE CORMAX PATENTED. 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
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 C607DKB 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. 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 (10X34) KICK PLATE, PUSH SIDE ONLY w/ 630 STAIN STAINLESS STEEL FINISH.

HARDWARE SET #3

1. DORMAKABA BEST ACCESS SYSTEMS 9K30N 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 (10X34) KICK PLATE, PUSH SIDE ONLY w/ 630 STAIN STAINLESS STEEL FINISH
6. WEATHER TIGHT GASKET
7. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
9. NATIONAL GUARD PRODUCTS C607DKB NYLON BRUSH SEAL

HARDWARE SET #6

1. BEST ACCESS SYSTEMS 9K337D GRADE 1 STOREROOM LEVER LOCK w/ 626 SATIN CHROME 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.
2. CORES AND KEYING SHALL BE PROVIDED BY DORMAKABA
3. KAWNEER TOP AND BOTTOM 4 1/2" x 4" BALL BEARING HINGES w/626 SATIN CHROME FINISH.
4. CLOSER: STANLEY D-4550-HCS-689-SN DOOR CLOSER.
5. WEATHER TIGHT GASKET
6. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
7. NATIONAL GUARD PRODUCTS C607DKB 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) 626 SATIN CHROME FINISH.
2. ROCKWOOD 608-RKW DOOR SILENCES (3) MINIMUM PER DOOR.

WINDOW SCHEDULE

WIND No.	STYLE	WIDTH	HEIGHT	MATL.	MANUFACTURER	SERIES	REMARKS
A	3660 CASEMENT	3'-0"	5'-0"	ALUM.	ANDERSON	400 SERIES	MODEL No. CW15, TERRATONE COLOR, LOW-E4 GLASS
B	2-3660 CASEMENT	6'-0"	5'-0"	ALUM.	ANDERSON	400 SERIES	2-CW15 WITH MULLION KIT, TERRATONE COLOR, LOW-E4 GLASS
C	3660 FIXED GLASS	3'-0"	5'-0"	ALUM.	ANDERSON	400 SERIES	MODEL No. P3050, TERRATONE COLOR, LOW-E4 GLASS
D	INTERIOR PASS-THRU	4'-0"	6'-0"	ALUM.	C.R. LAURENCE	DIANE MODEL	MODEL No. D103DU, DORANODIC BRONZE FINISH

DOOR SCHEDULE NOTES:

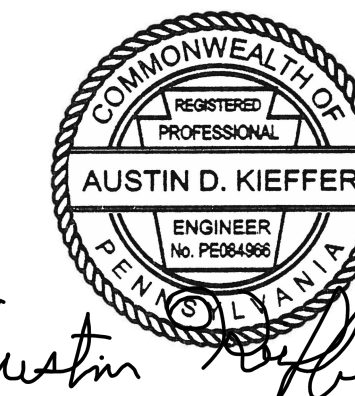
1. SEE PROJECT SPECIFICATIONS FOR ALL PERFORMANCE PROPERTIES AND SELECTED FINISHES FOR ALL WINDOWS.
2. ALL OPERABLE WINDOWS SHALL INCLUDE INSECT SCREENS.

ROOM FINISH SCHEDULE

NUMBER	NAME	NOTE:					REMARKS
		(1)	(2)	(3)	(3)	(4)	
		FLOOR	BASE	WALL			
				NORTH	WEST	EAST	CEILING
100	CONFERENCE ROOM	B	B	C	C	C	A
101	DUCK	A	A	A	A	A	B
102	BREAKROOM	A	A	A	A	A	B
103	OFFICE	A	A	A	A	A	B
104	OFFICE	A	A	A	A	A	B
105	CORRIDOR	A	A	A	A	A	B
106	MECHANICAL ROOM	B	B	A	A	A	C
107	EMPLOYEE RESTROOM	B	B	B	B	B	B
108	GOOSE	A	A	A	A	A	B
109	DUCK/GOOSE CHECK	B	B	A	A	A	B
110	MECHANICAL CLOSET	B	B	B	B	B	C
111	MEN'S RESTROOM	B	B	B	B	B	B
112	WOMEN'S RESTROOM	B	B	B	B	B	B
113	CLOSET	A	A	A	A	A	C

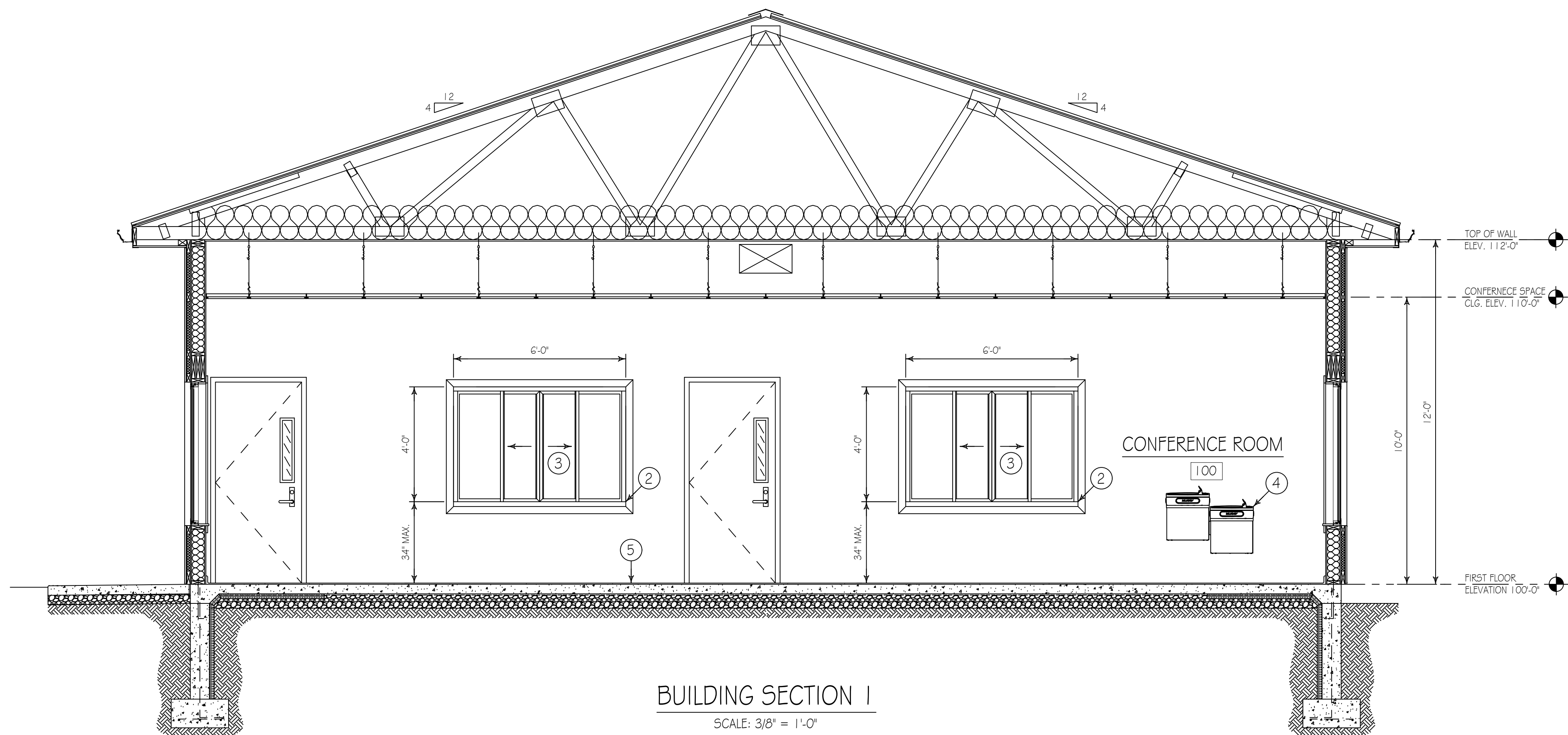
ROOM FINISH SCHEDULE KEY NOTES:

- (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. 2x4 NEW SUSPENDED ACOUSTICAL TILE CEILING SYSTEM
 - B. 2x2 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	
REVISIONS	PROJECT NO. PGC-214-21-02
	DRAWN BY: CLOUSER/SPOTTS
	DATE: 2/23/2023
	SHEET NO. A-2

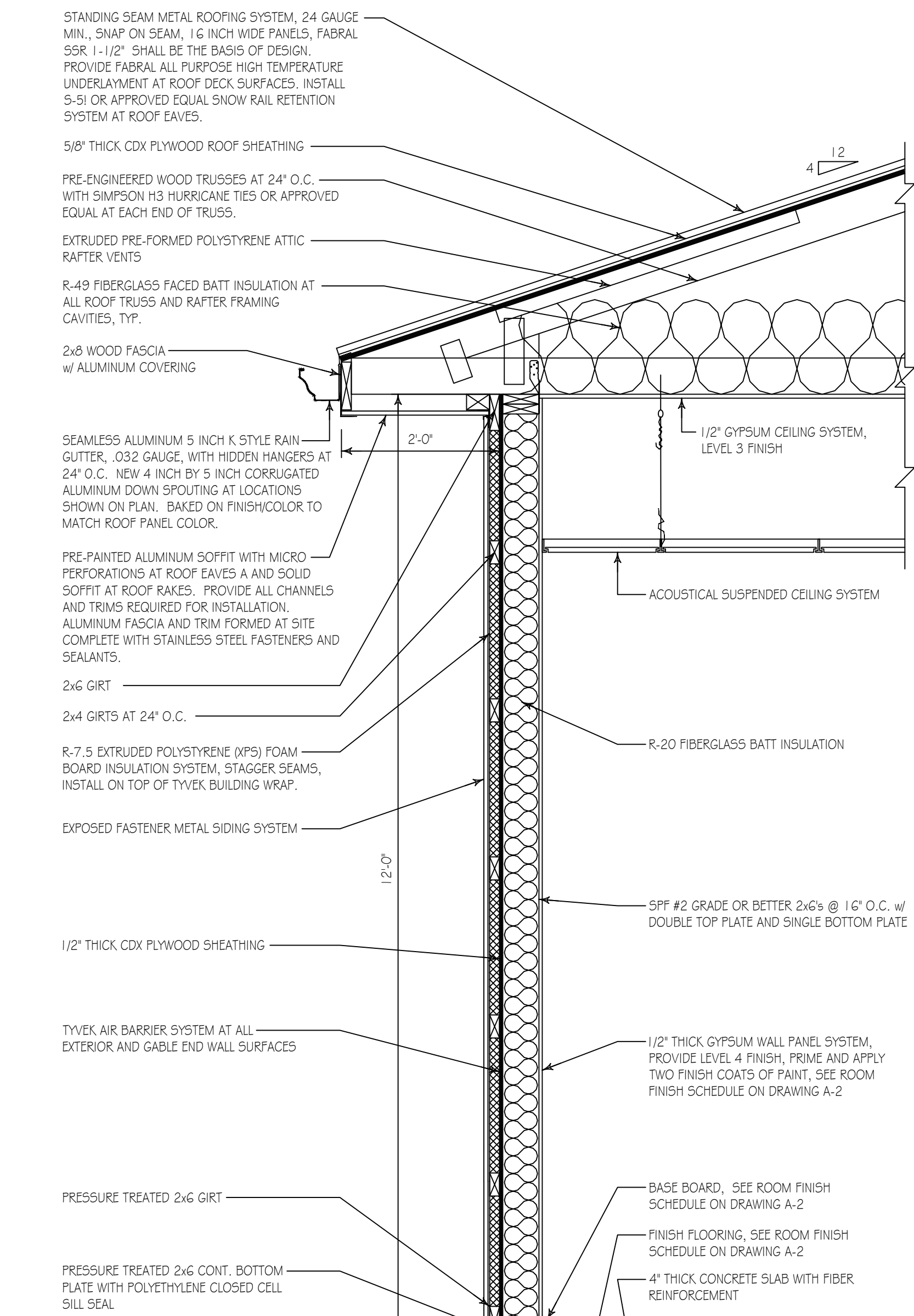


BUILDING SECTION 1

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

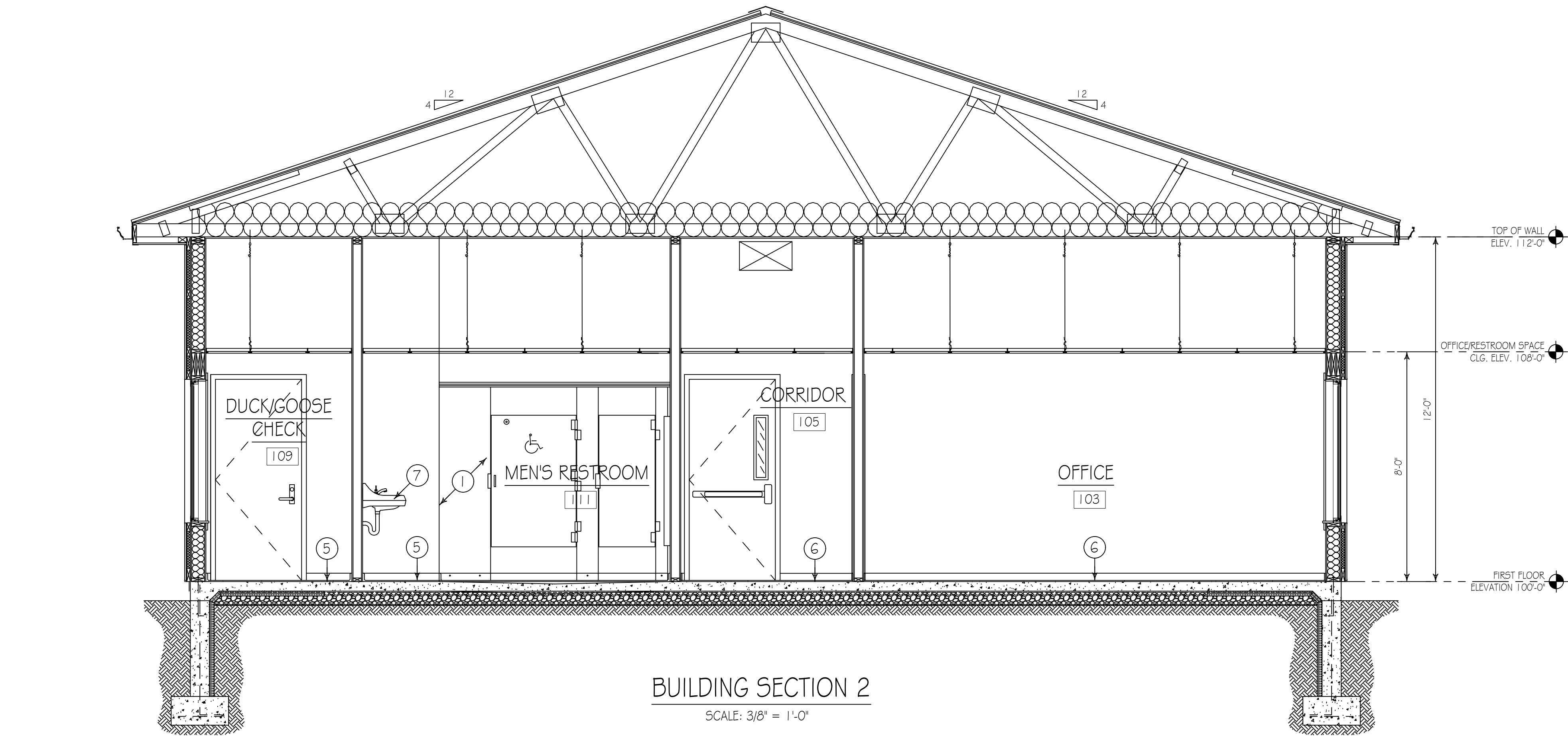
BUILDING SECTION CONSTRUCTION NOTES

- 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 UNDERLAYSMENTS 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 PLANK FLOORING SYSTEM WITH SUBFLOOR PREPARATION, ADHESIVES AND ACCESSORIES. FURNISH AND INSTALL 4" HIGH VINYL COVE BASE, COLOR TO MATCH FINISH FLOORING, AT ALL TILE PLANK FLOORING AREAS.
- ⑦ ADA WALL HUNG LAVATORY. SEE SPECIFICATIONS.



TYPICAL BUILDING SECTION

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



BUILDING SECTION 2

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

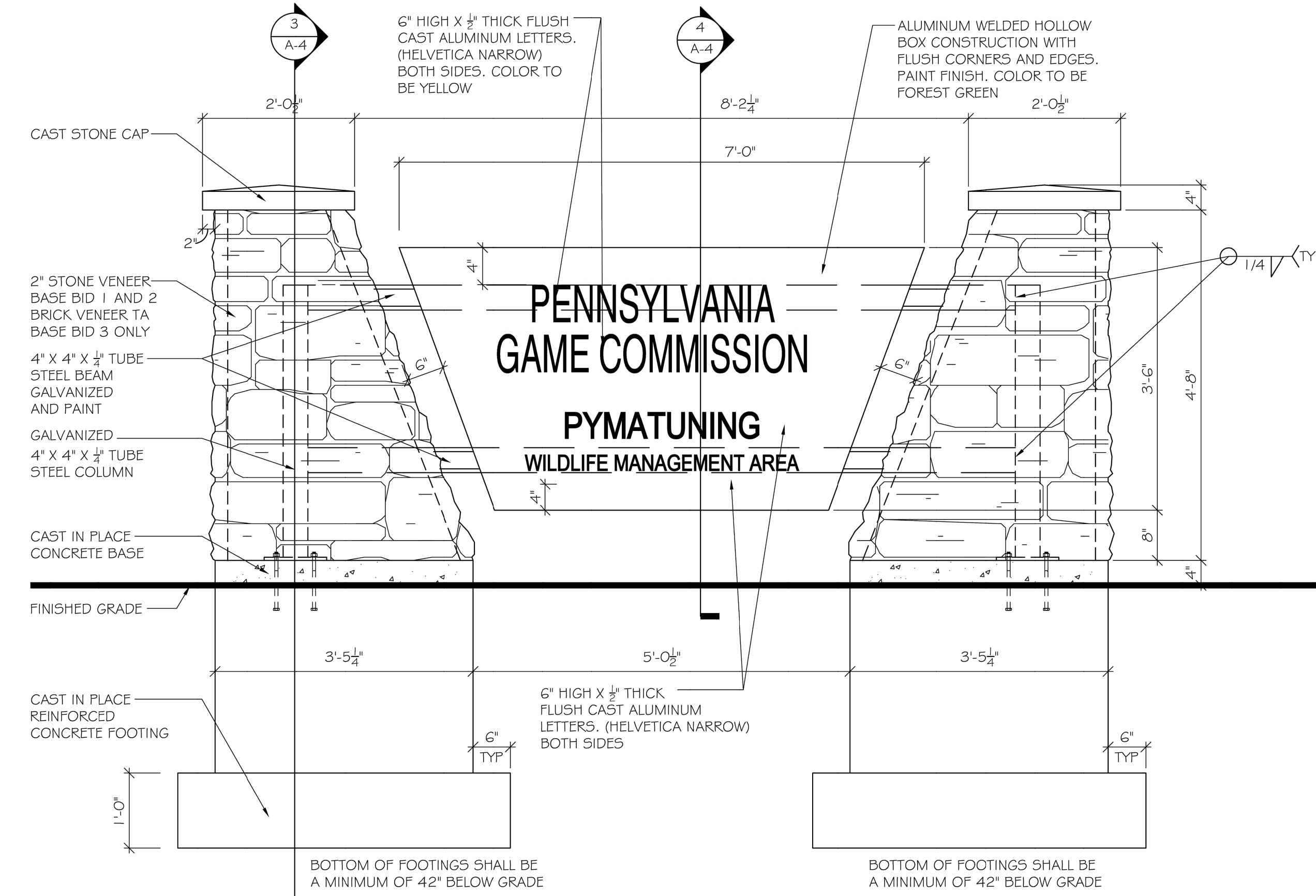
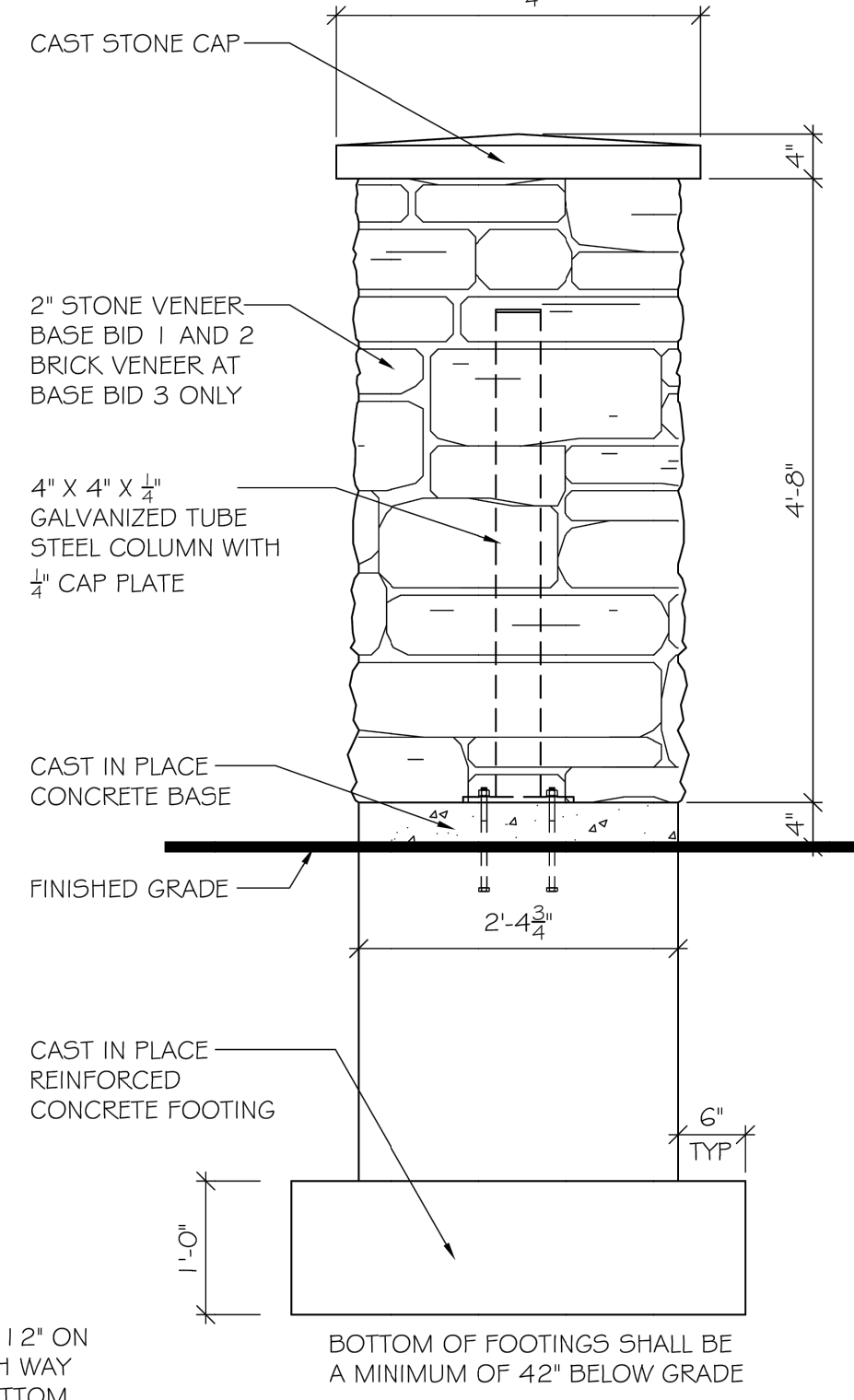
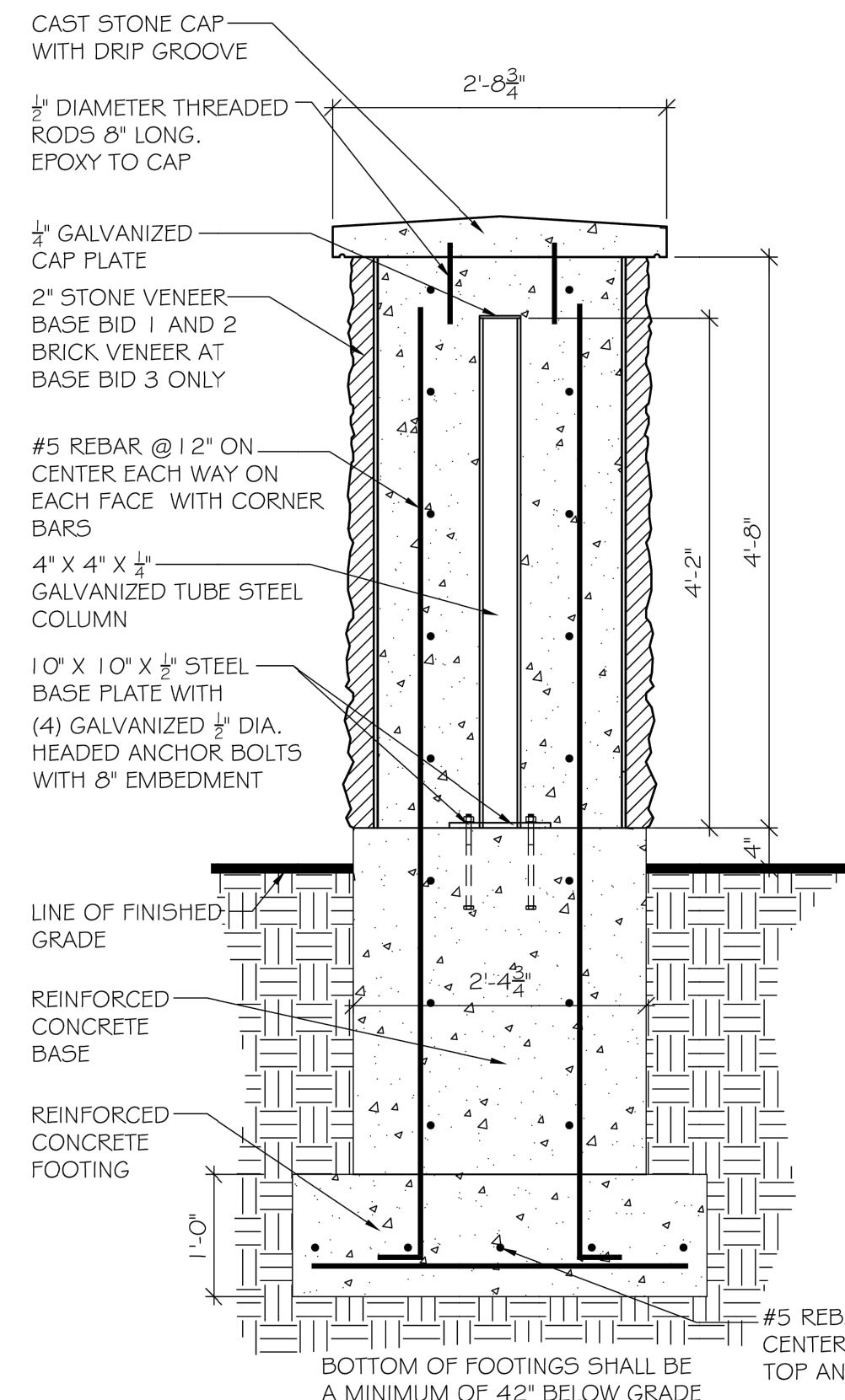
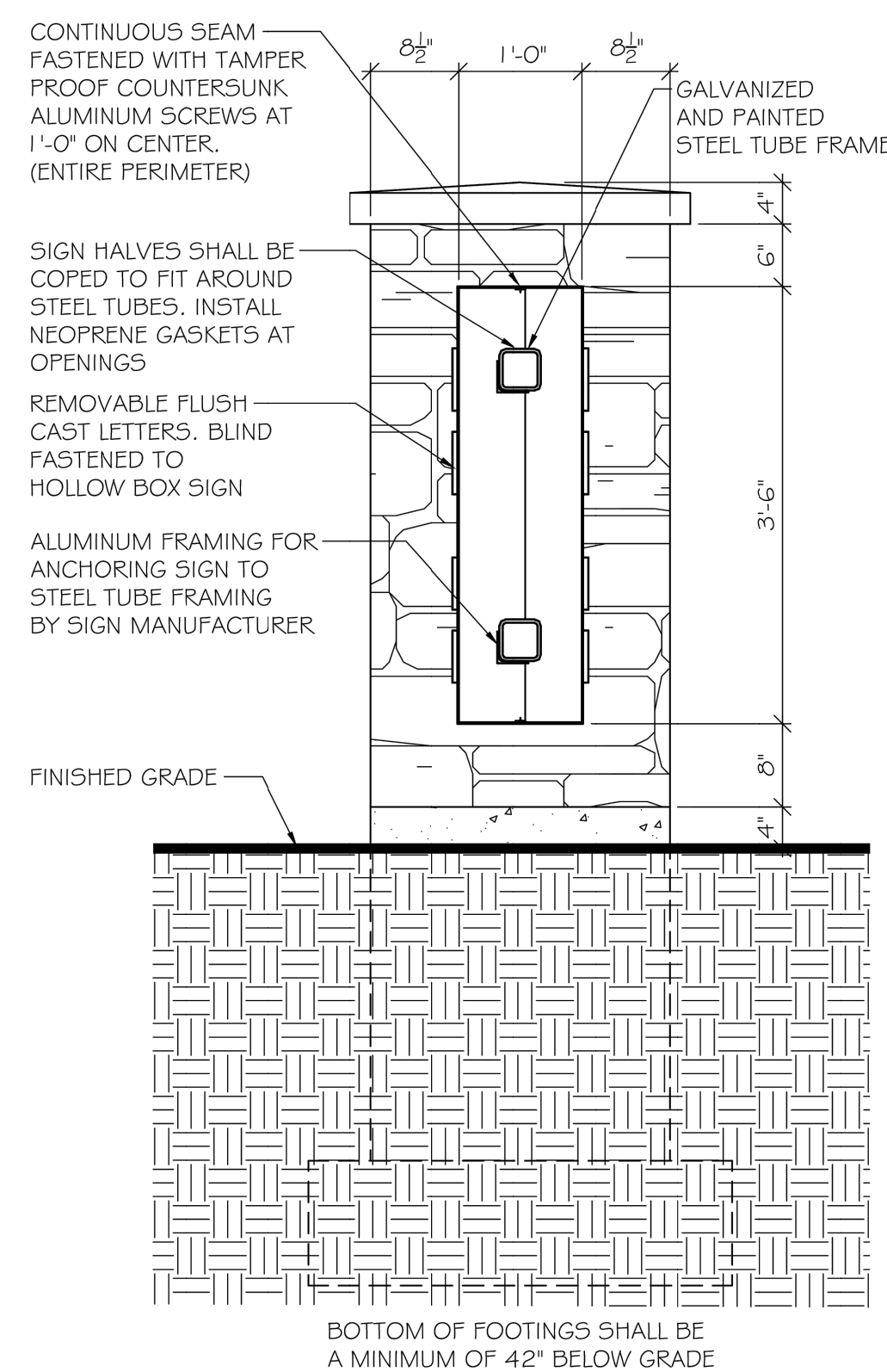
- OPENING HEADER, 2-2x10s w/ 1/2" PLYWOOD, PROVIDE DOUBLE JACKS EACH END
- 1x PAINTED POPLAR WOOD OPENING JAMBS & HEAD w/ 3x1" CASINGS & APRON
- SATIN ANODIZED ALUMINUM BI-PASS WINDOW, FOUR PANEL w/ 2-FIXED AND 2- SLIDING GLASS FRAMES, JAMBS & OVERHEAD TRACK. FURNISH AND INSTALL CLEAR TEMPERED GLASS
- HEAVY DUTY SOLID SURFACE COUNTER TOP
- SOLID SURFACE BACK SPLASH
- PLUGMOLD MULTIOUTLET SYSTEM, SEE ELECTRICAL DRAWINGS
- HEAVY DUTY SOLID SURFACE COUNTER TOP
- STEEL 15x21" COUNTERTOP BRACKETS AT 16" O.C., MANUFACTURED BY ARM HARDWARE INC., 1165 STRICKLER ROAD, MOUNT JOY, PA 17552, OR APPROVED EQUAL, PROVIDE LEDGER AT EACH END OD COUNTERTOP TYP.

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/SPOTTIS DATE: 2/27/2023 SHEET NO. A-3	

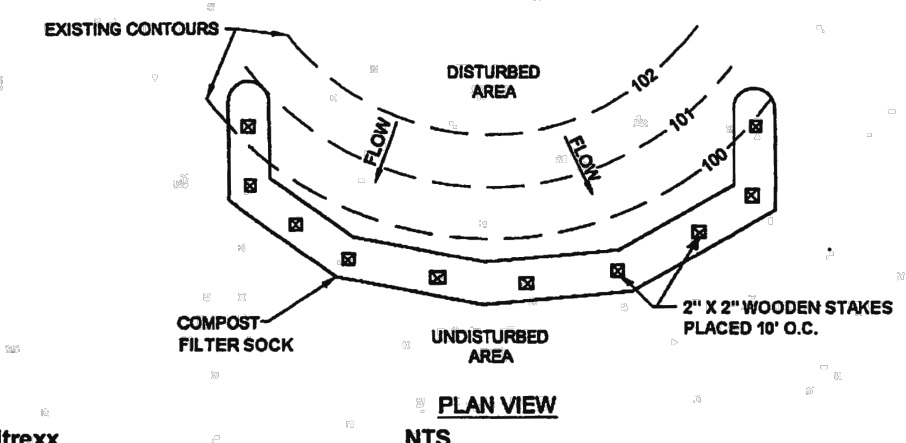
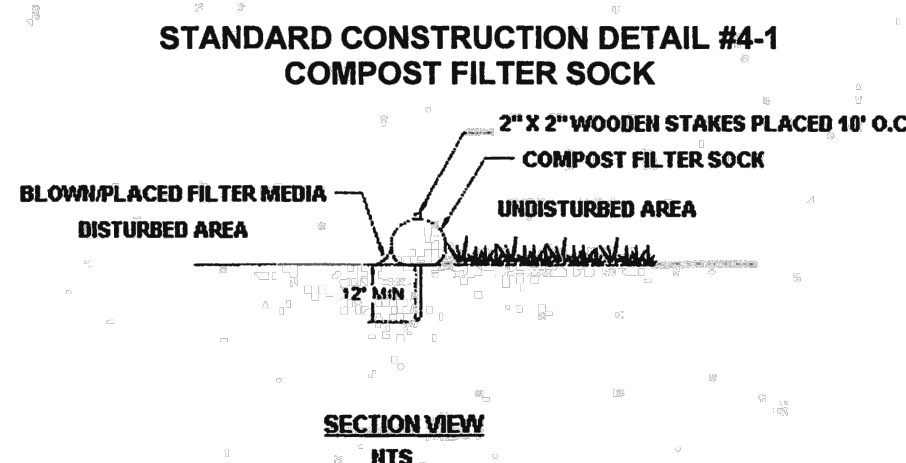


4 MONUMENT SIGN SECTION
SCALE: 3/4" = 1'-0"

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"



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.

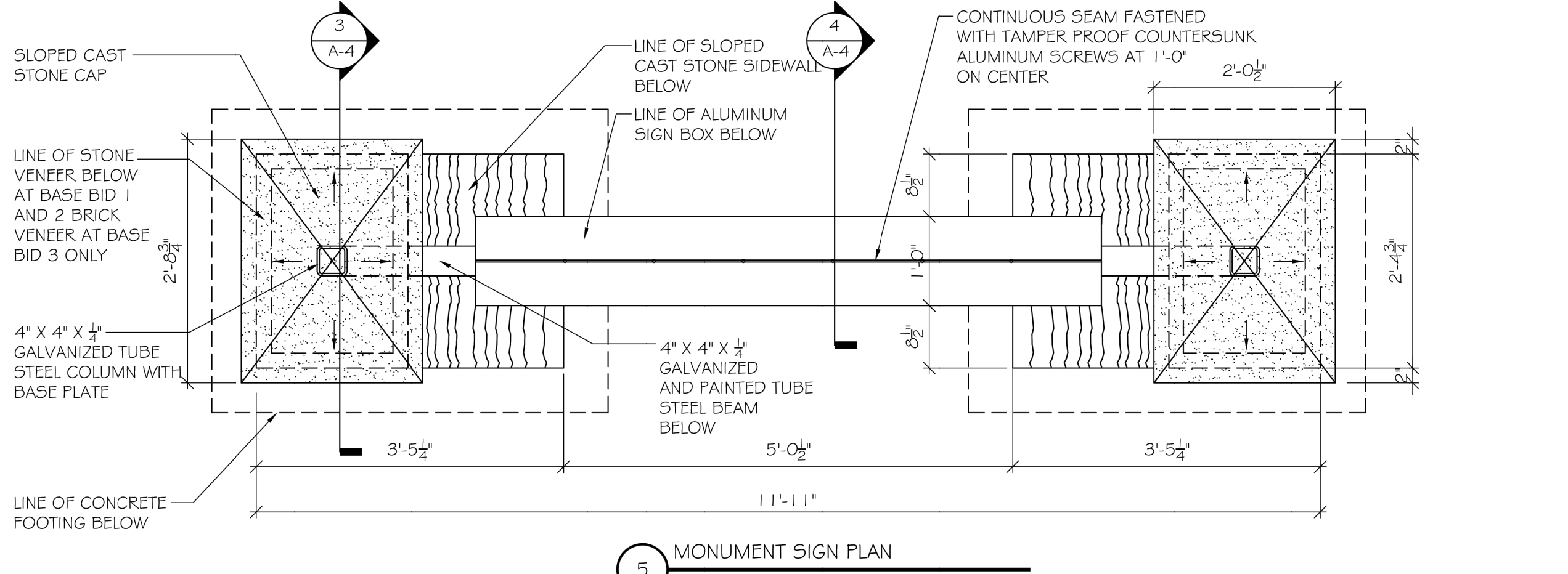
Filter socks using other filters may be approved on a case-by-case basis if sufficient supporting information (including manufacturer's specs and independent test data) is provided. However, they might not qualify as ABACTs. Wherever compost socks are used, Table 4.1 should be placed on a detail sheet.

Material Type	3 mil HDPE		5 mil HDPE		Heavy Duty Multi-Filament Polypropylene (HDMFPP)	
	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 24" 32"	12" 18" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi	
Ultraviolet Stability % Original Strength (ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.	
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 3/4" X 3/4" Max. aperture size					
Outer Filtration Mesh	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.						

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.

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

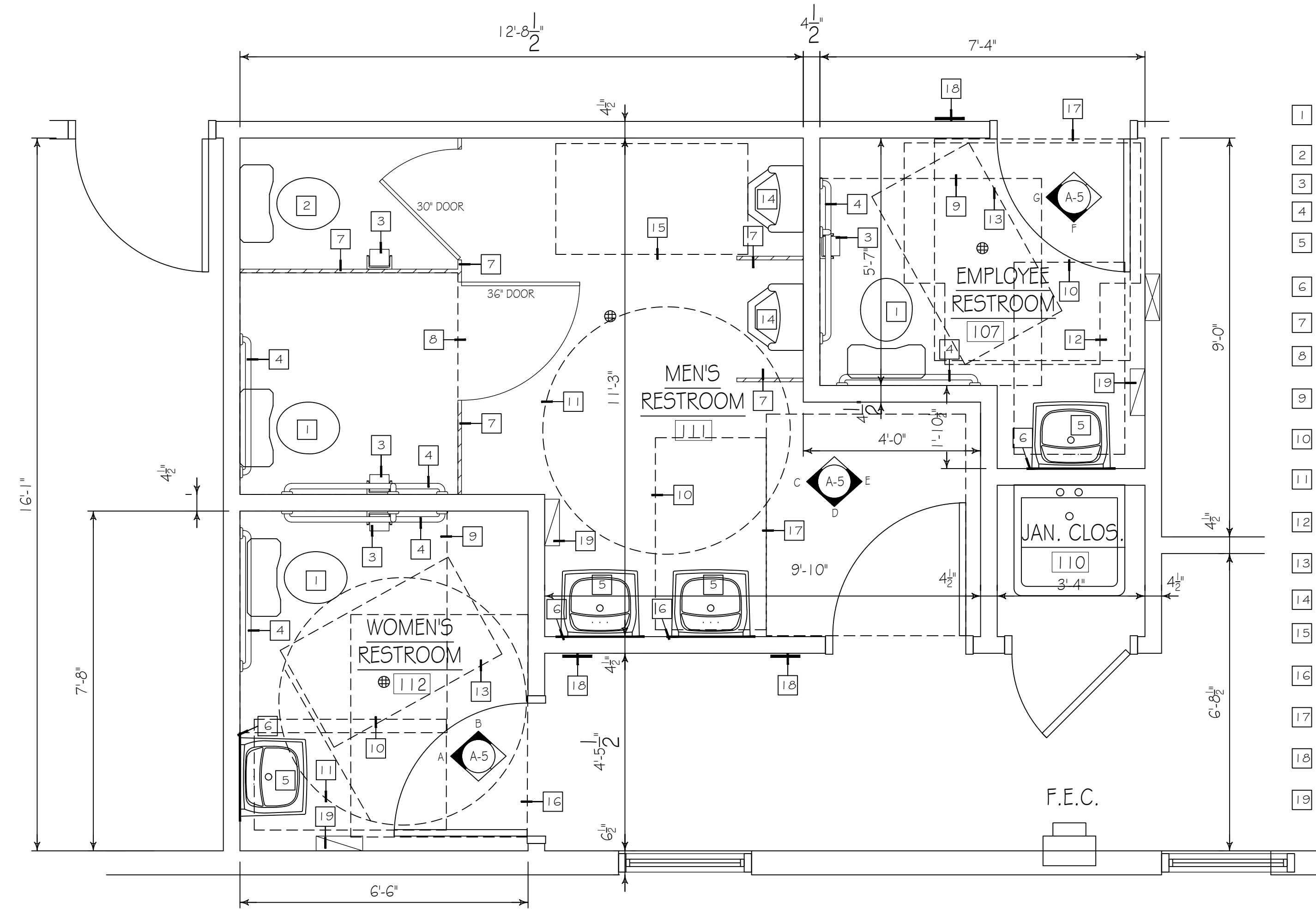


5 MONUMENT SIGN PLAN
SCALE: 3/4" = 1'-0"

Sox 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.

AUSTIN D. KIEFFER
ENGINEER
No. P2000001

PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
DETAILS & SECTIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	A-4



TOILET ROOM FIXTURES, ACCESSORIES, AND CLEARANCES

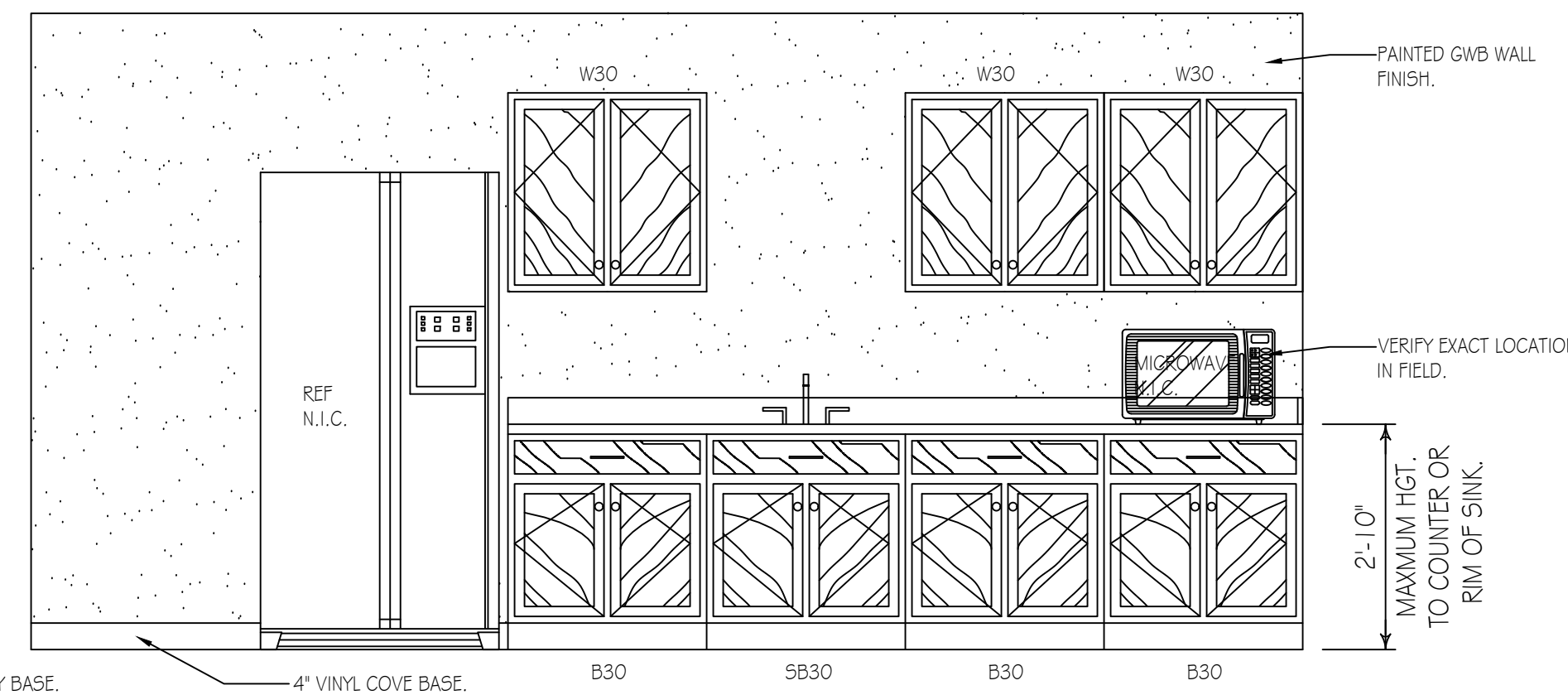
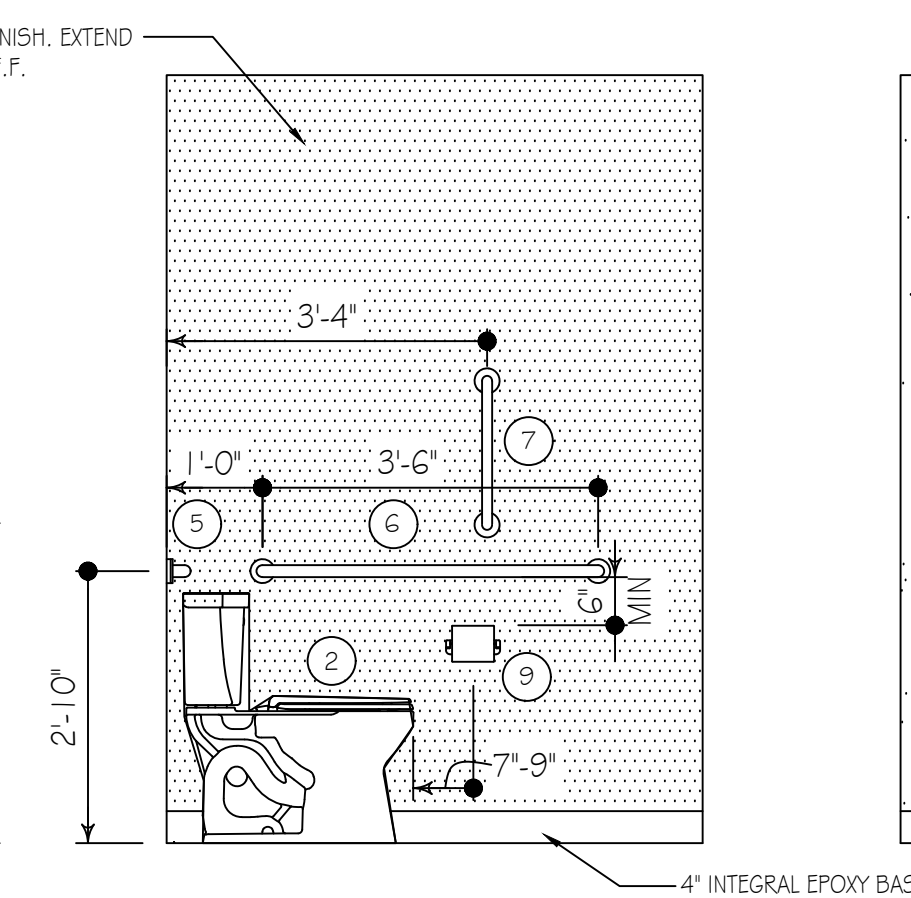
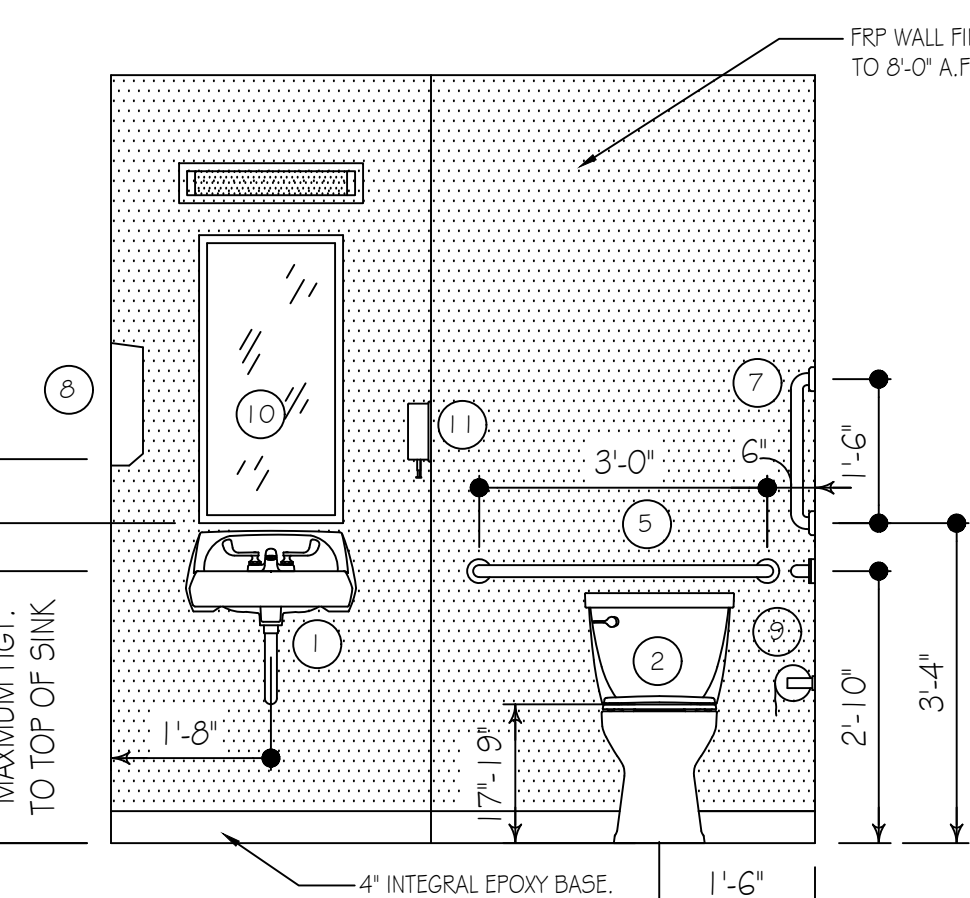
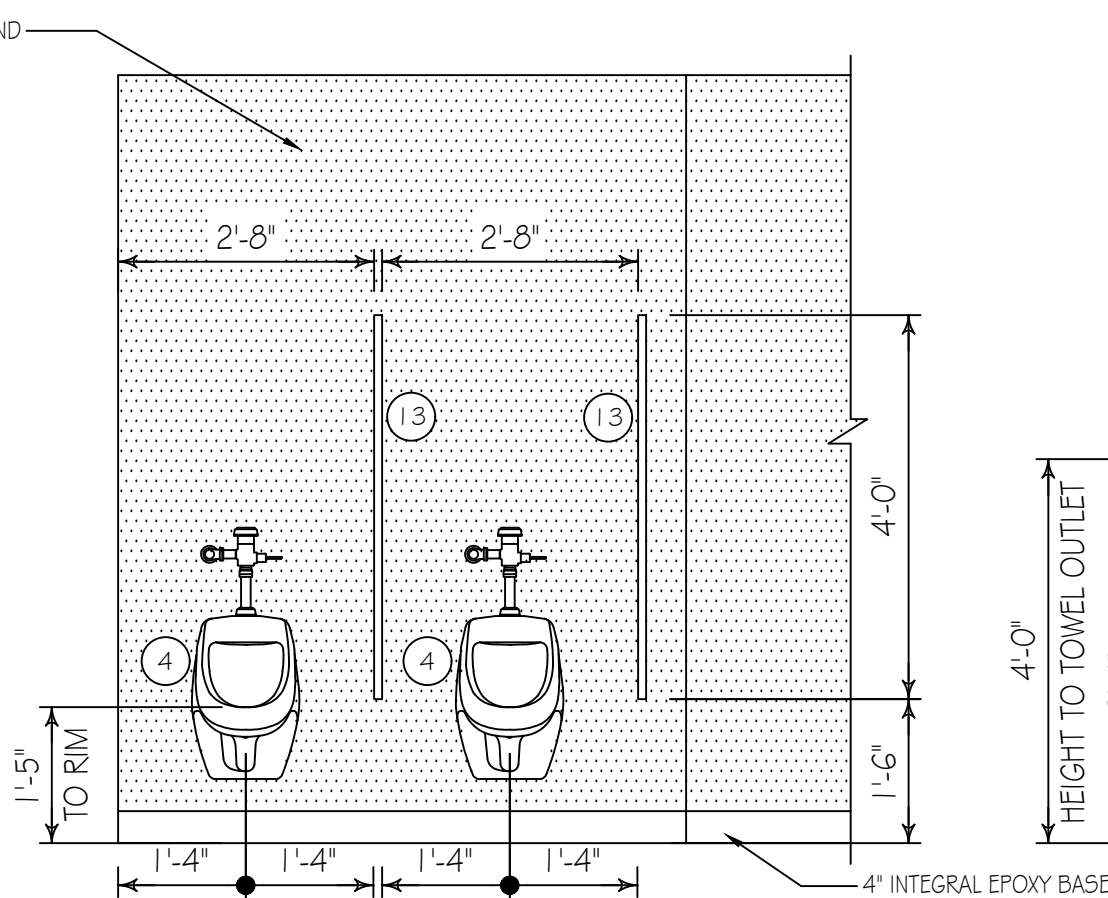
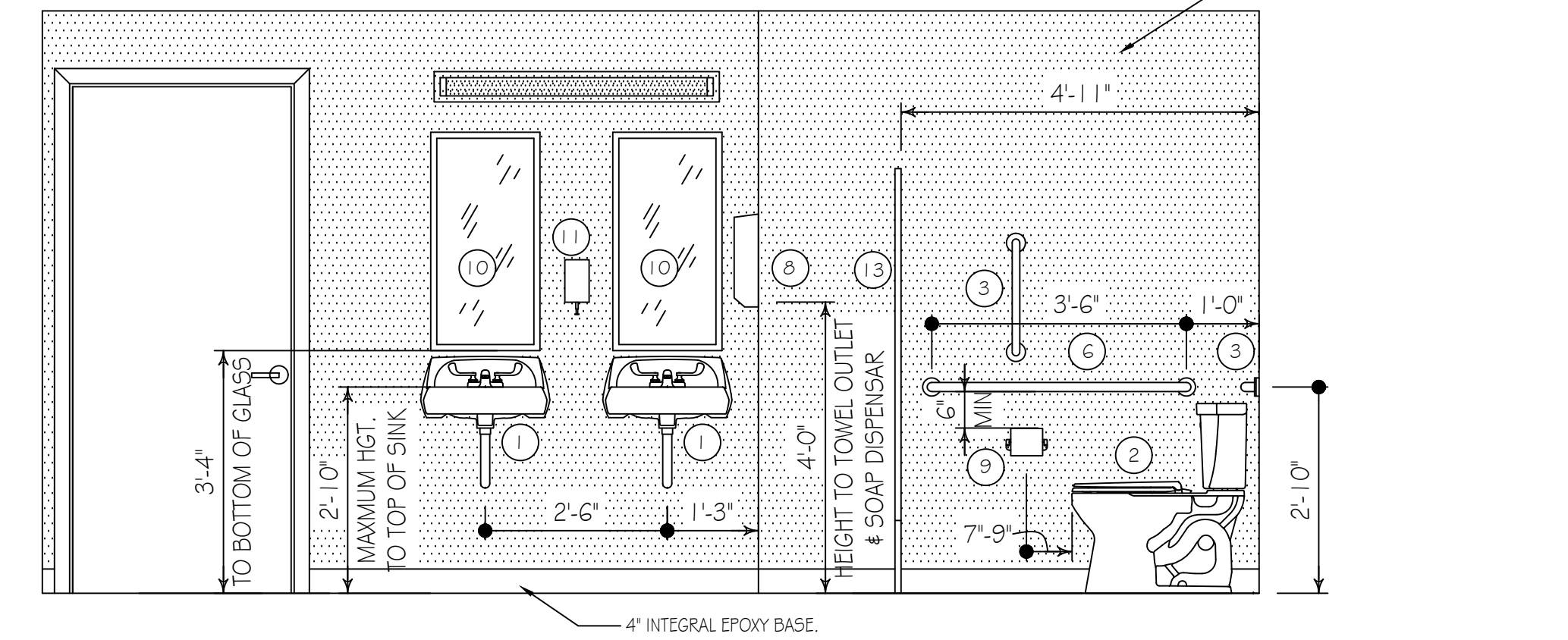
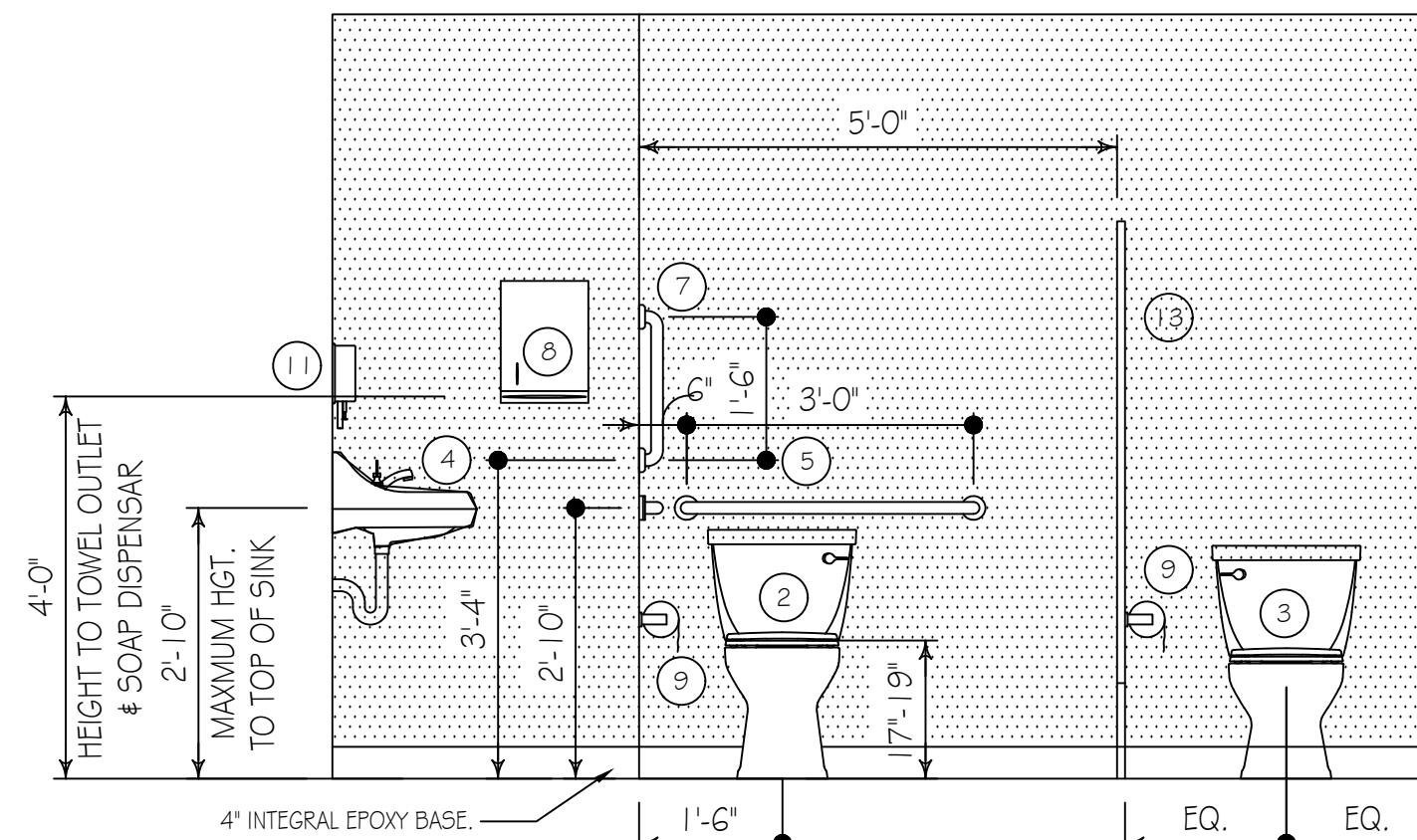
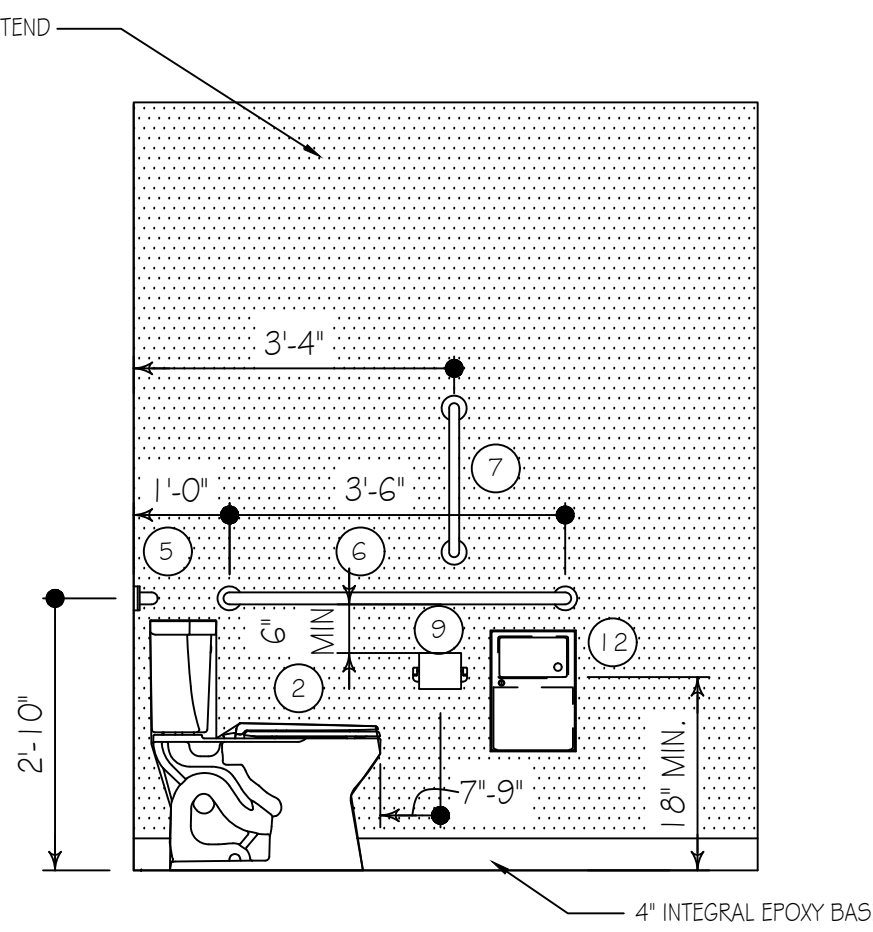
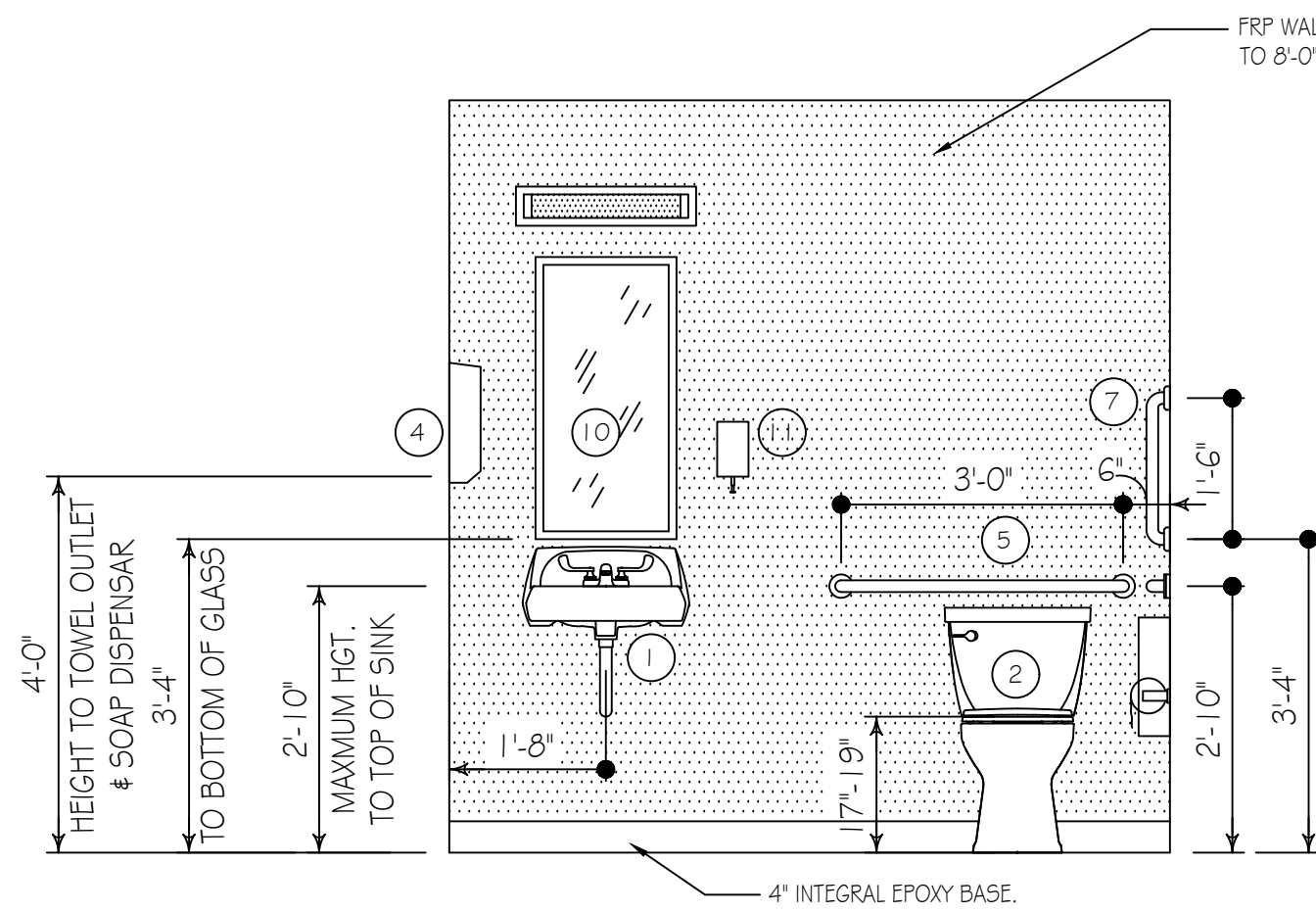
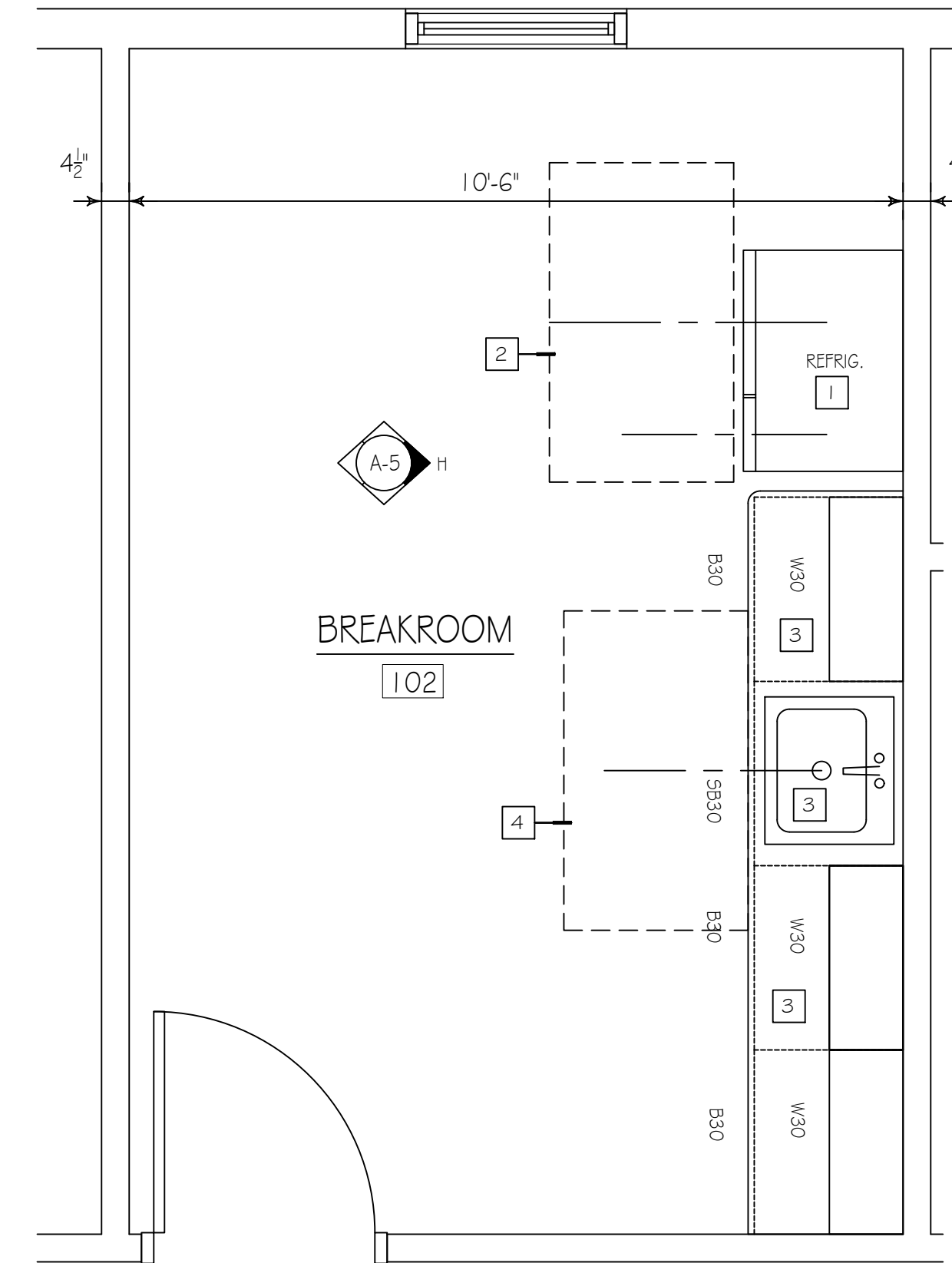
- 1 NEW HANDICAP ACCESSIBLE ELONGATED TOILET FLOOR MOUNTED WITH OPEN-FRONT SEAT AND MANUAL FLUSH VALVE.
- 2 NEW STANDARD TOILET FLOOR MOUNTED WITH OPEN-FRONT SEAT AND MANUAL FLUSH VALVE.
- 3 NEW SINGLE ROLL TOILET PAPER DISPENSER.
- 4 PROVIDE (3) SATIN S.S. GRAB BARS W/ CONCEALED FLANGE. (1) @ 18", (1) @ 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"x36" 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 604.3.1 AND 604.3.2
- 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 W/ 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

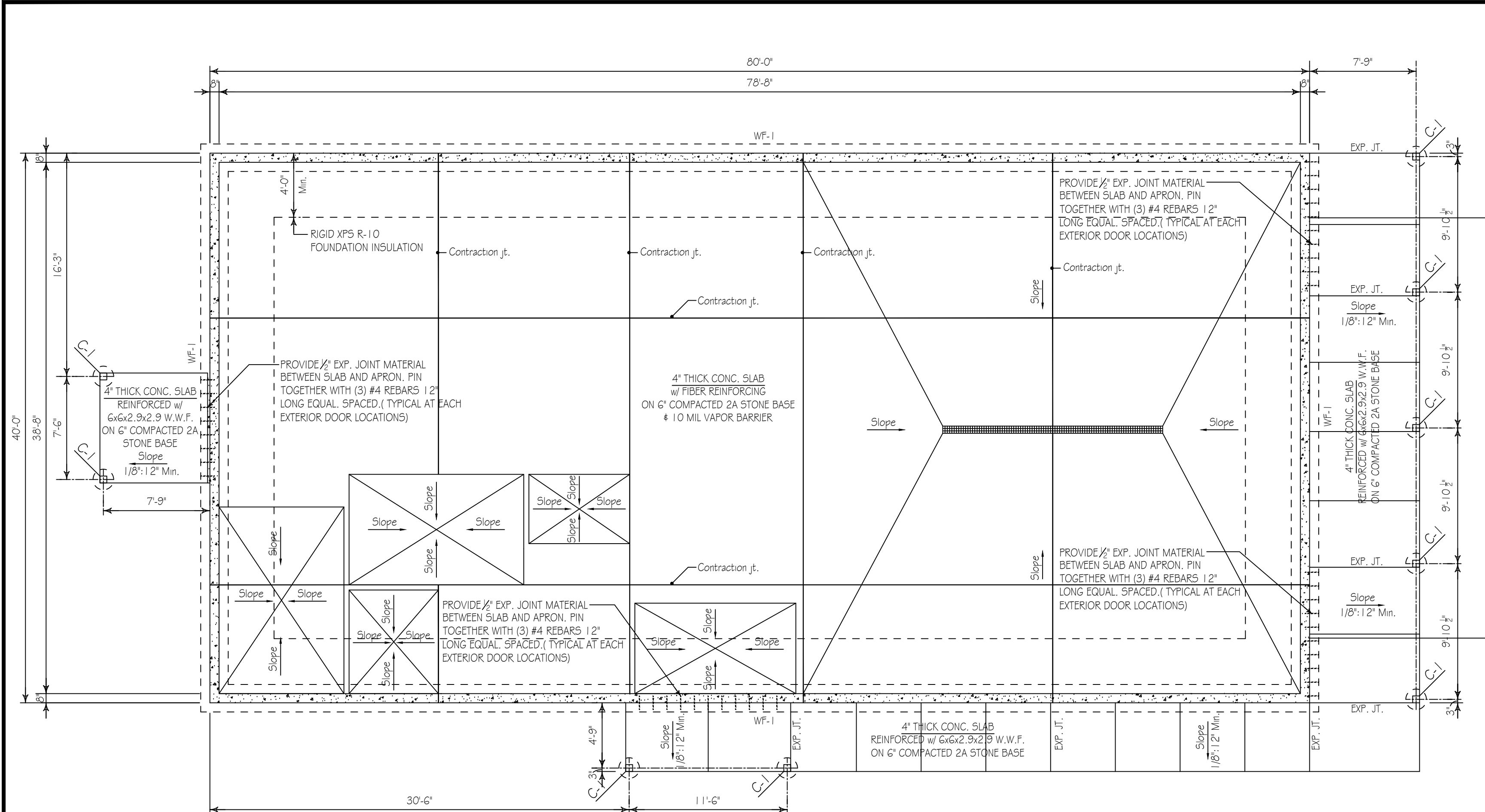
- 1 REFRIGERATOR/FREEZER BY OWNER IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 804.5.6.
- 2 30" WIDE x 52" LONG, ACCESS TO SIDE-BY-SIDE REFRIGERATOR/FREEZER IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 605 AND FIGURE C804.5.6 (c)
- 3 KITCHEN CABINERY AND COUNTERTOP COMPLETE WITH SINK WITH A MAXIMUM HEIGHT 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(e).

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

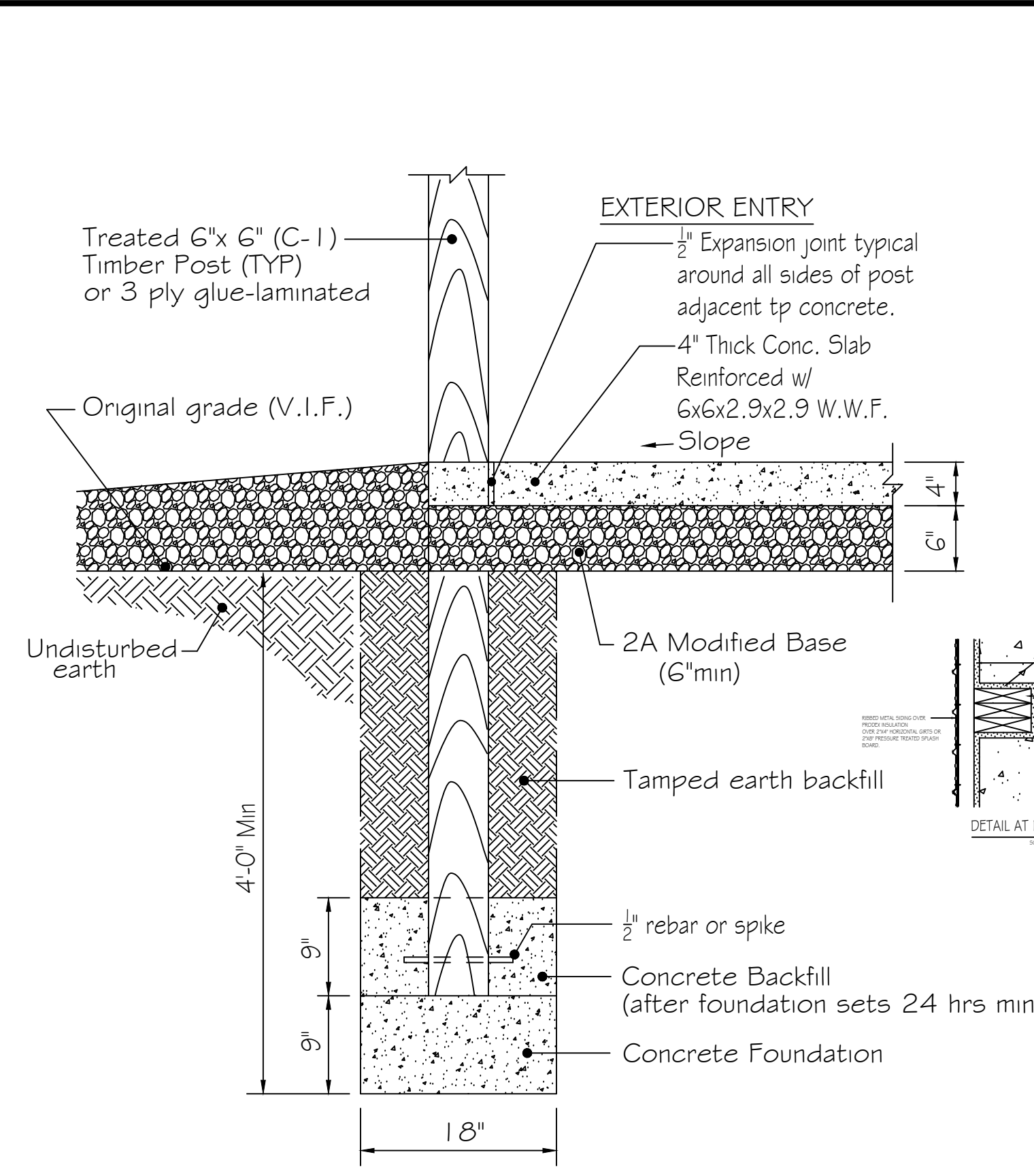
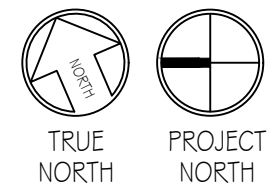
- | | | |
|----|-------------------------------------|--------------------|
| 1 | SINK (W/FAUCET) | SEE SPECIFICATIONS |
| 2 | ADA FLOOR MOUNTED WATER CLOSET | SEE SPECIFICATIONS |
| 3 | FLOOR MOUNTED STANDARD WATER CLOSET | SEE SPECIFICATIONS |
| 4 | ADA WALL MOUNTED URINAL | SEE SPECIFICATIONS |
| 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 508 |
| 10 | 18" x 36" MIRROR | MODEL 780-1836 |
| 11 | SOAP DISPENSER | MODEL 655 |
| 12 | SANITARY NAPKIN DISPOSAL | MODEL 4A10-11 |
| 13 | FLOOR MOUNTED TOILET PARTITIONS | SEE SPECIFICATIONS |



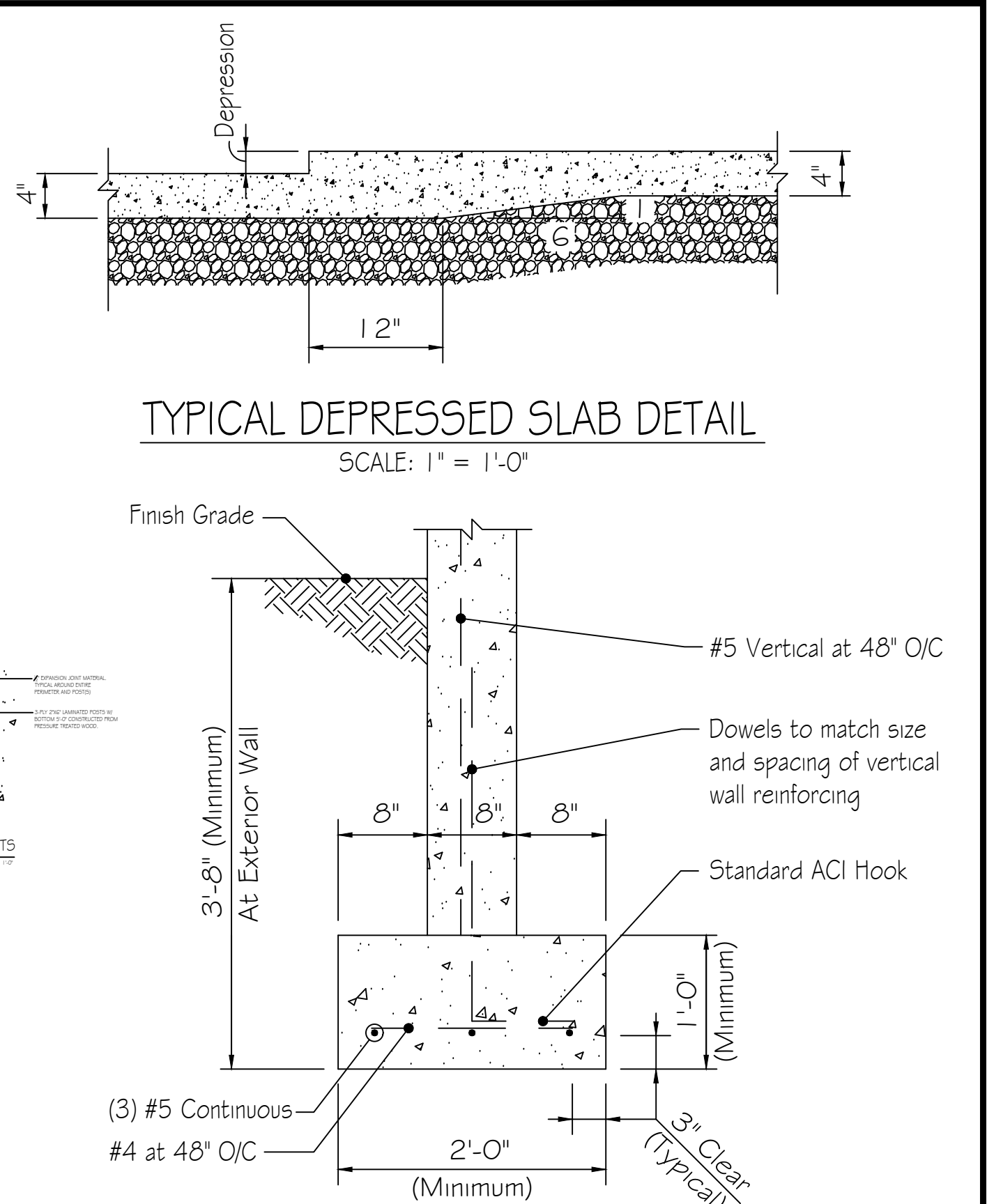
PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214 NORTH SHENANGO TWP. CRAWFORD CO.		
NEW 40' x 80' WATERFOWL CHECK BUILDING		
ENLARGED PLANS & ELEVATIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	A-5



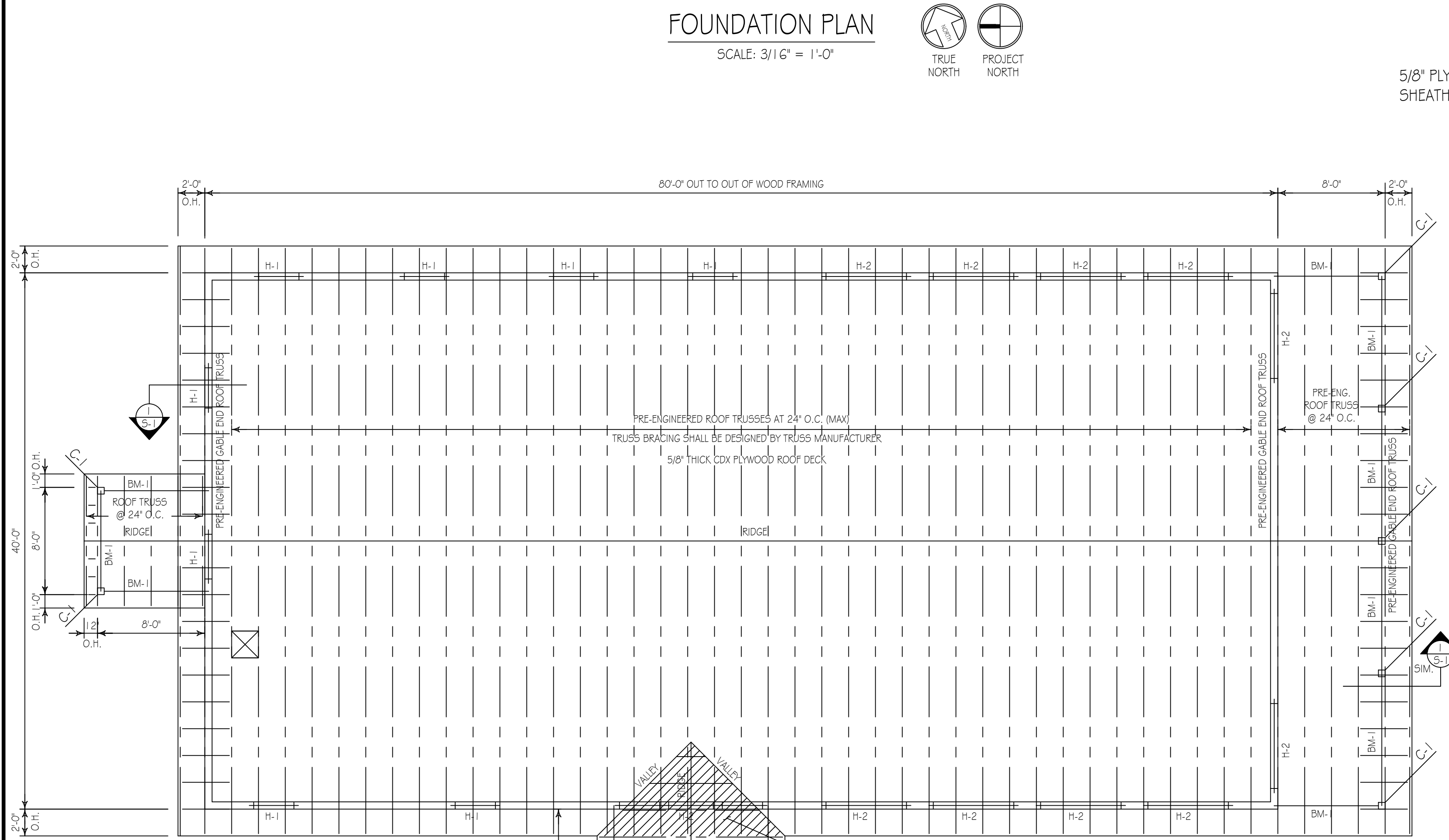
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



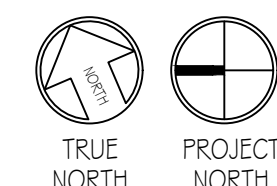
TYPICAL CANOPY POST DETAIL
SCALE: 1" = 1'-0"



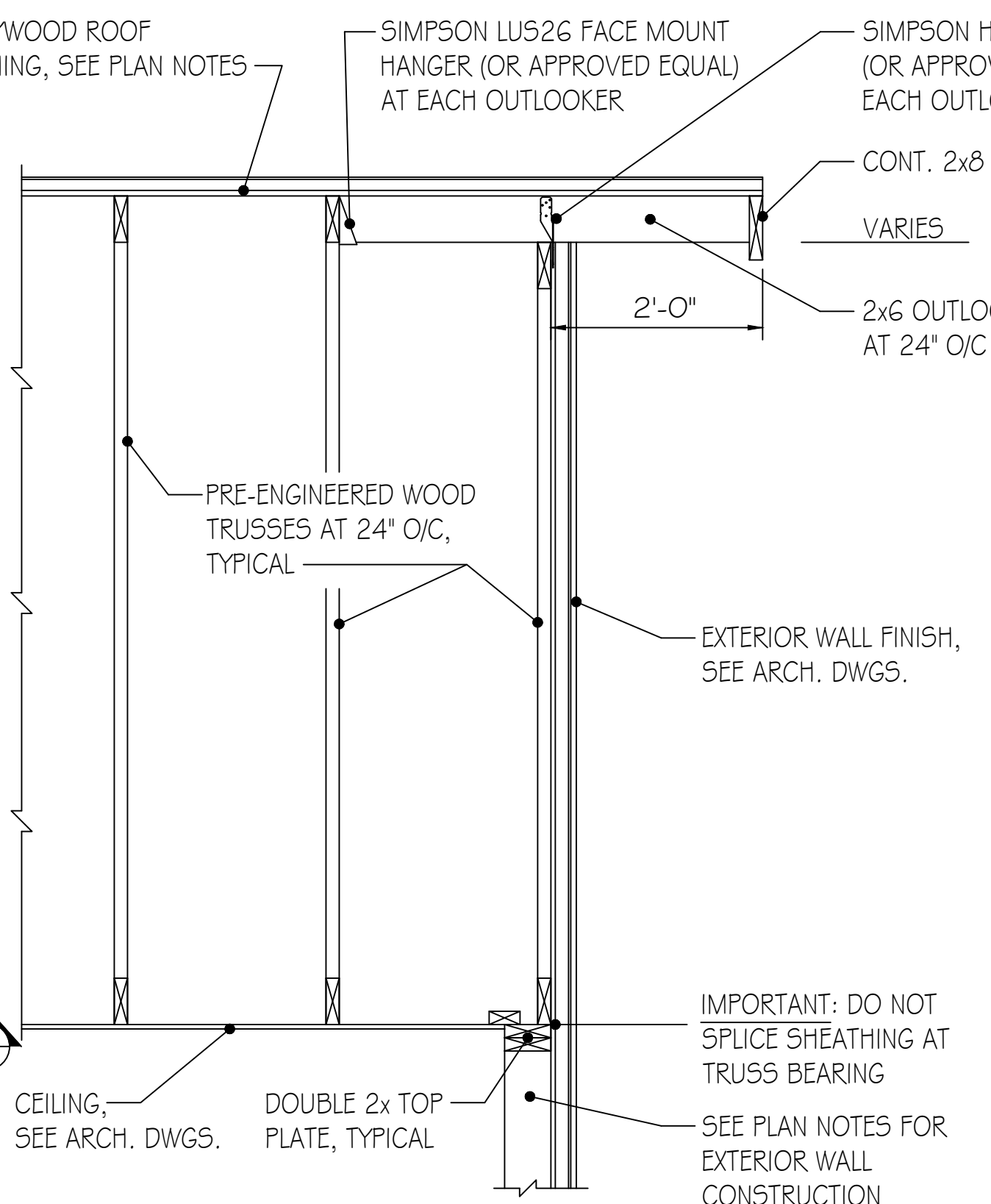
TYPICAL WALL FOOTING DETAIL (WF-1)
SCALE: 1" = 1'-0"



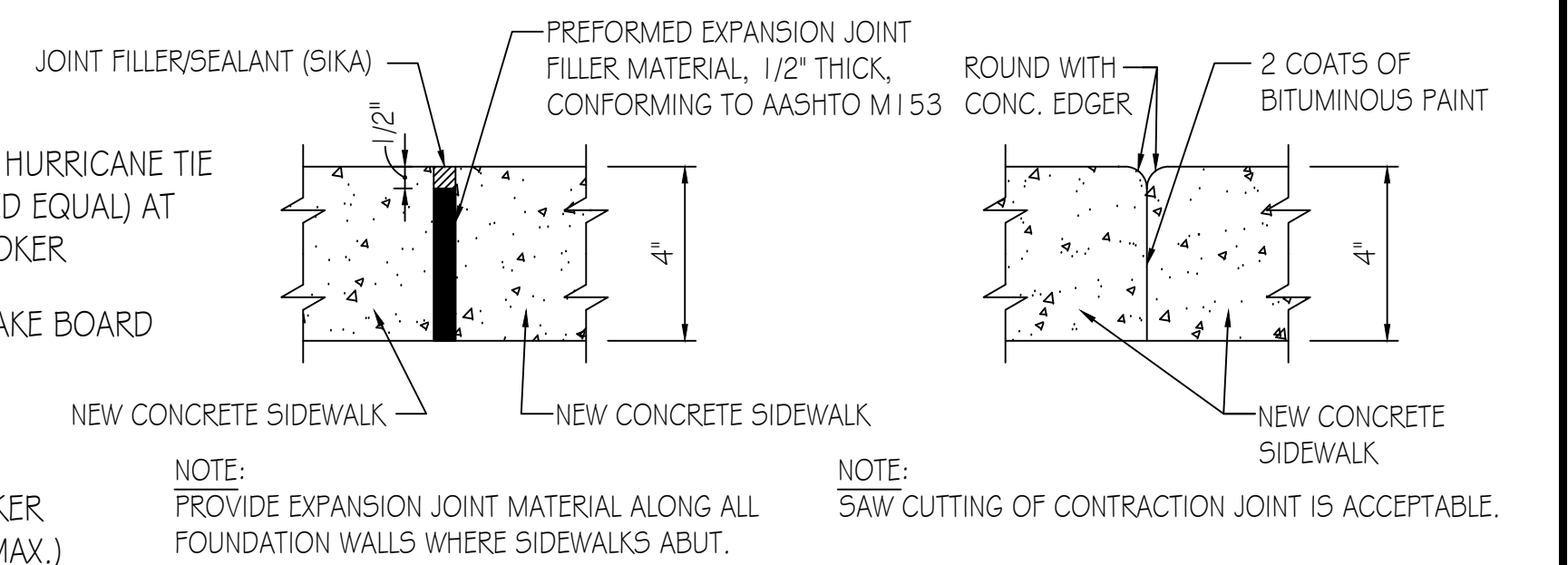
ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"



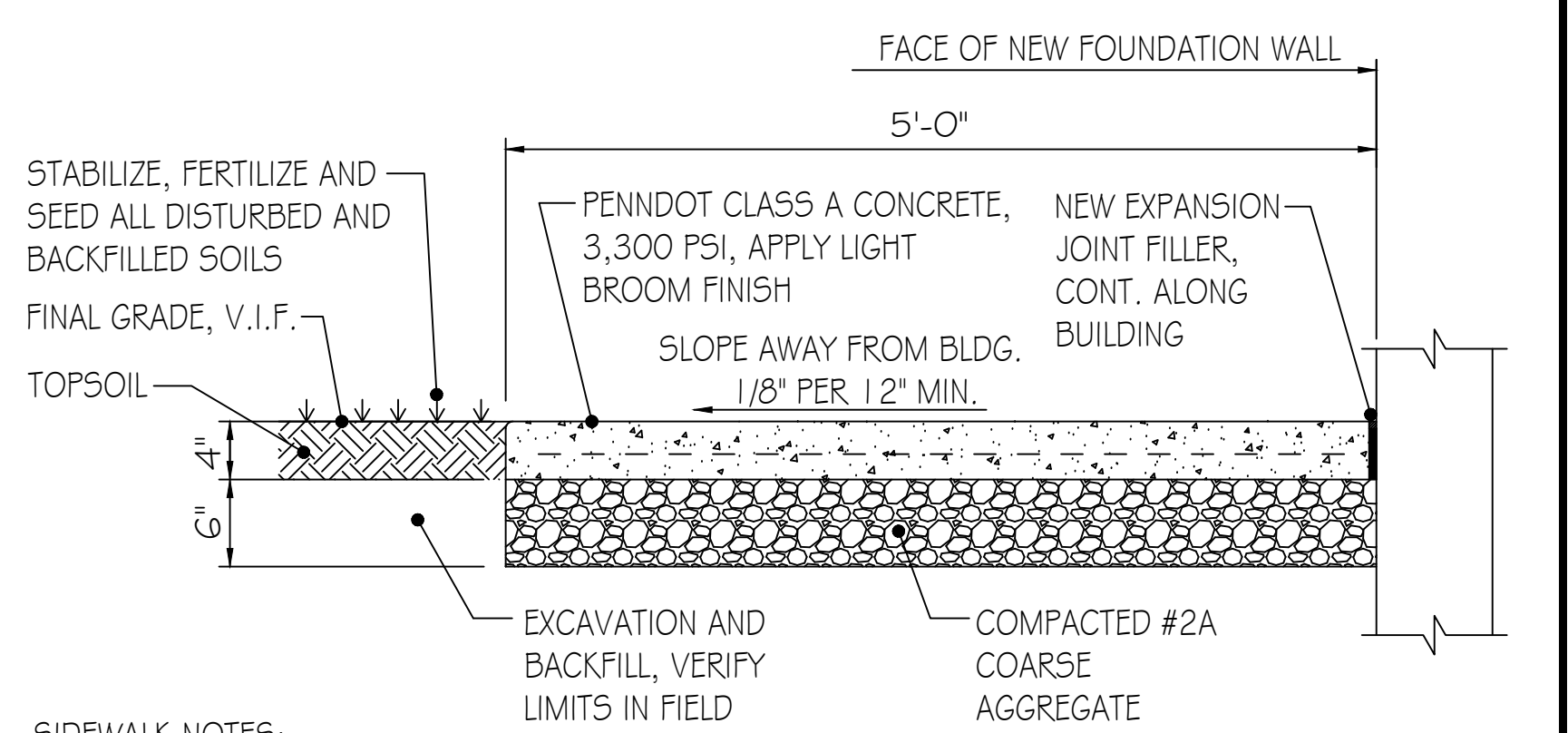
MARK	SIZE	REMARKS
C-1	6"x6" GLUE LAM POST	w/ TREATED BOTTOMS
BM-1	5 1/4" x 7 1/4" LVL 2 OE	3" BEARING MIN. EA. END
BM-2	5 1/4" x 9 1/4" LVL 2 OE	3" BEARING MIN. EA. END
H-1	5 1/4" x 7 1/4" LVL 2 OE	3" BEARING MIN. EA. END
H-2	5 1/4" x 9 1/4" LVL 2 OE	3" BEARING MIN. EA. END



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

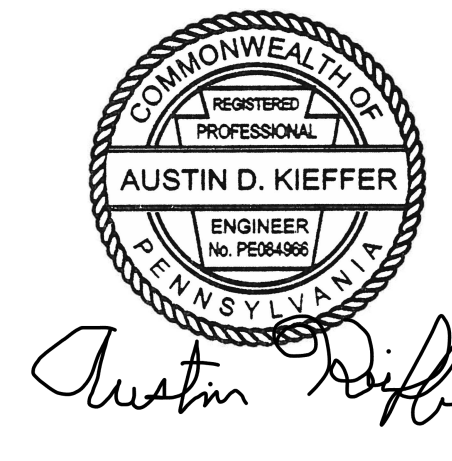


TYPICAL SIDEWALK JOINT DETAILS
SCALE: 3" = 1'-0"



SIDEWALK NOTES:
1. CONCRETE SHALL BE MEMBRANE CURED. MEMBRANE MAY BE APPLIED BY SPRAY, ROLLER OR BRUSH.
2. ALL EXPOSED EDGES SHALL BE ROUNDED WITH 1/2" RADIUS CONCRETE EDGER.

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



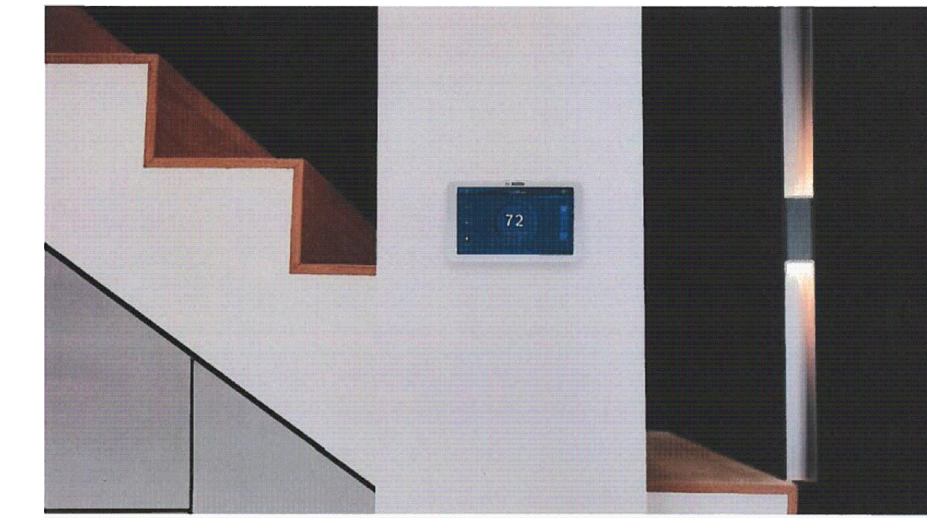
PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
FOUNDATION PLAN, ROOF FRAMING PLAN & SECTIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	5-1

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 MANUFACTURER'S 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 / MANUFACTURER'S SPECS.
5. INSTALL SO 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 BGH96 96% FURNACE PAIRED WITH BOSCH CASED COIL SYSTEM. HEAT PUMP TO BE A 5 TON BOSCH BOVA - 060-HDN-1 M18M OUTSIDE CONDENSER UNIT, W/ BGH96M100C5B AIR HANDLER/FURNACE AND BMAC48GC0N1F CASE COIL. UNITS TO ACHIEVE A MINIMUM 17 SEER AND 9.5 HSPFF (OR SUBSTANTIALLY EQUIVALENT).



Thermostat Model	Part Number
Black Covered Control BCL00 Thermostat	8-733-948.009
Thermostat Spare Parts	Part Number
Wall Plate, Screwdriver, Screws & Wall Anchors, Jumper Cable	8-733-948.004

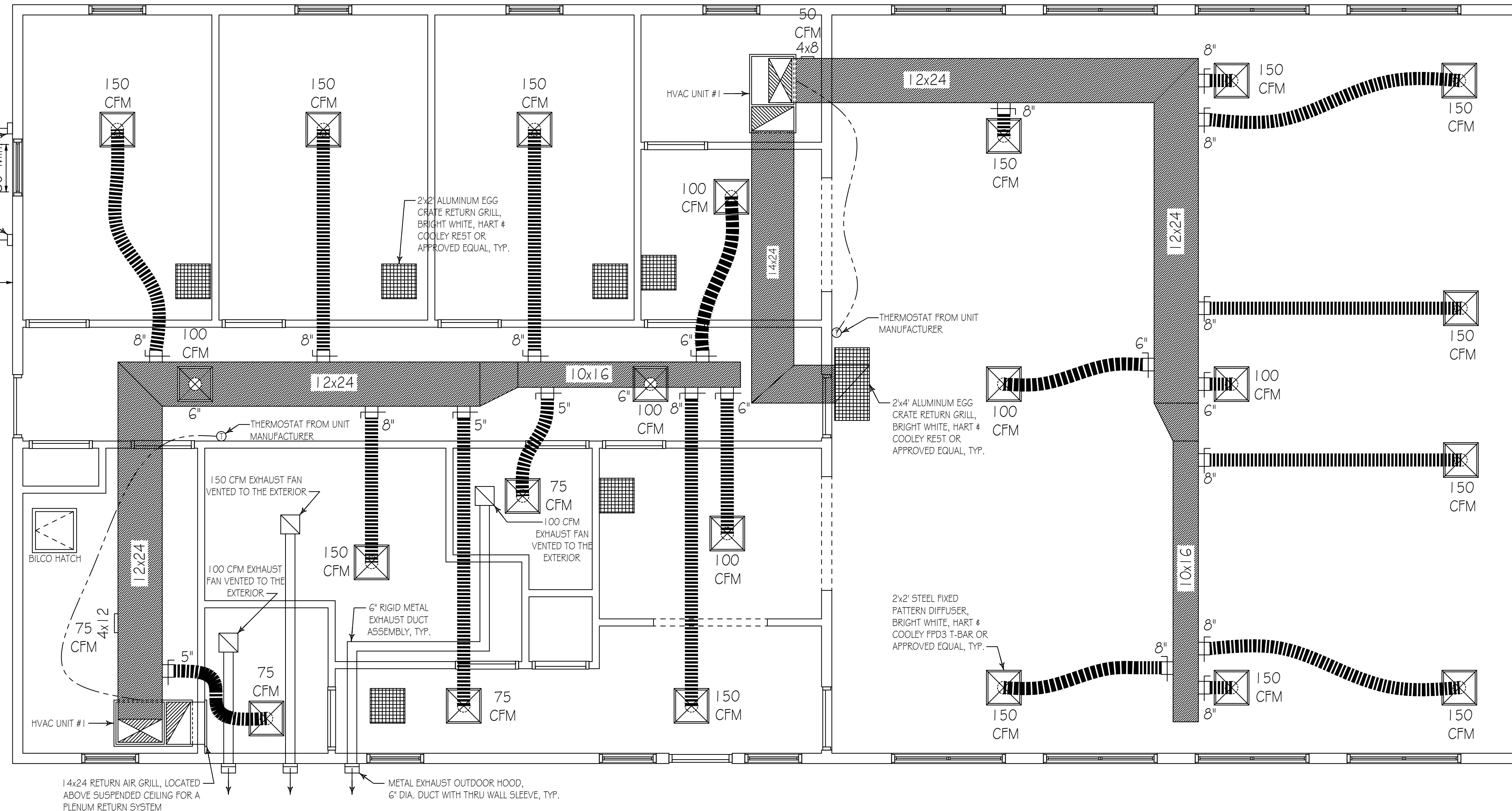
HVAC UNIT #1

BOVA18 + CASED COIL + 96% FURNACE AHRI 210/240 Performance Data											
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	HEAT PUMP COOLING CAPACITY (BTU/H)				HEAT PUMP HEATING CAPACITY (BTU/H)			CFM
				TOTAL	EER	SEER	IR	HSPFF	LOW		
2 Ton	BOVA-36HCL1M18M	BMAC20SANTD	BGH96M0803A	24000	12.5	18	24000	9.5	17.00	820/630	
	BOVA-36HCL1M18M	BMAC24SANTD	BGH96M0803A	24000	12.5	18	24000	9.5	17.00	800/580	
	BOVA-36HCL1M18M	BMAC30SANTD	BGH96M0803A	24000	12.5	18	24000	9.5	17.00	860/630	
	BOVA-36HCL1M18M	BMAC36SANTD	BGH96M0803A	24000	10.5	16.5	24200	9	22000	1050/800	
3 Ton	BOVA-36HCL1M18M	BMAC30SANTD	BGH96M0803A	33000	10.6	16.5	34200	9	23000	1070/850	
	BOVA-36HCL1M18M	BMAC36SANTD	BGH96M0803A	33000	10.6	16.5	34200	9	23000	1070/850	
	BOVA-36HCL1M18M	BMAC30SANTD	BGH96M100C5A	34000	10.6	16.5	34200	9	23000	1070/850	
	BOVA-36HCL1M18M	BMAC36SANTD	BGH96M100C5A	34000	10.6	16.5	34200	9	23000	1070/850	
4 Ton	BOVA-60HCL1M18M	BMAC4248N1F	BGH96M0803A	43000	10.5	17.5	45000	9	31000	1250/1050	
	BOVA-60HCL1M18M	BMAC48N1F	BGH96M0803A	43000	11	18	45000	9	31000	1250/1050	
	BOVA-60HCL1M18M	BMAC4248N1F	BGH96M100C5A	45000	11.2	18	47000	9	31400	1450/1150	
	BOVA-60HCL1M18M	BMAC48N1F	BGH96M100C5A	45000	11.2	18	47000	9	32000	1500/1200	
5 Ton	BOVA-60HCL1M18M	BMAC48N1F	BGH96M100C5A	52000	10	17	53000	9.5	37000	1450/1150	
	BOVA-60HCL1M18M	BMAC48N1F	BGH96M100C5A	53000	10.5	17.5	54000	9.5	38000	1500/1200	

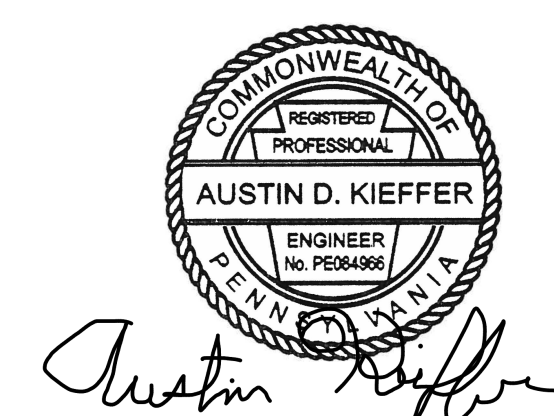
BOVA20 + CASED COIL + 96% FURNACE AHRI 210/240 PERFORMANCE DATA											
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	HEAT PUMP COOLING CAPACITY (BTU/H)				HEAT PUMP HEATING CAPACITY (BTU/H)			CFM
				TOTAL	EER	SEER	IR	HSPFF	LOW		
2 Ton	BOVA-36HCL1M20G	BMAC24SANTD	BGH96M0803A	24000	11	16.5	24000	10	18000	820/630	
	BOVA-36HCL1M20G	BMAC30SANTD	BGH96M0803A	24000	11	16.5	24000	10	18000	800/580	
	BOVA-36HCL1M20G	BMAC36SANTD	BGH96M0803A	24000	11.5	19	24000	10	19000	860/630	
	BOVA-36HCL1M20G	BMAC43SANTD	BGH96M0803A	24000	11.5	19	24000	10	19000	840/630	
3 Ton	BOVA-36HCL1M20G	BMAC30SANTD	BGH96M0803A	32000	11.2	17	34000	10	25000	1050/800	
	BOVA-36HCL1M20G	BMAC36SANTD	BGH96M0803A	32000	11.2	17	34000	10	25000	1020/800	
	BOVA-36HCL1M20G	BMAC30SANTD	BGH96M100C5A	33000	11.6	17.5	34200	10	25000	1100/850	
	BOVA-36HCL1M20G	BMAC36SANTD	BGH96M100C5A	33000	11.6	17.5	34200	10	25000	1070/850	
4 Ton	BOVA-60HCL1M20G	BMAC36SANTD	BGH96M0803A	39000	11	18	34000	10	25000	1050/800	
	BOVA-60HCL1M20G	BMAC43SANTD	BGH96M0803A	39000	11	18	34000	10	25000	1150/750	
	BOVA-60HCL1M20G	BMAC36SANTD	BGH96M100C5A	39000	12.5	18.5	34000	10	26000	1050/800	
	BOVA-60HCL1M20G	BMAC43SANTD	BGH96M100C5A	39000	12.5	18.5	34000	10	26000	1100/800	
5 Ton	BOVA-60HCL1M20G	BMAC48N1F	BGH96M0803A	43000	11.2	18	45000	9.5	34000	1250/1050	
	BOVA-60HCL1M20G	BMAC4248N1F	BGH96M0803A	43000	11	18.5	46000	10	35000	1250/1050	
	BOVA-60HCL1M20G	BMAC4248N1F	BGH96M100C5A	45000	12.5	18.5	47000	10	35000	1500/1200	
	BOVA-60HCL1M20G	BMAC48N1F	BGH96M100C5A	45000	12.5	18.5	47000	10	35000	1500/1200	

System & Technical Information

Technical Specifications	Unit	BOVA180803A	BOVA180803A	BOVA180803A	BOVA180803A	BOVA180803A	BOVA180803A
Boach Part Number	-	7-738-006-496	7-738-006-497	7-738-006-498	7-738-006-499	7-738-006-500	7-738-006-501
Cabinet Size (W)	inch	17.5	17.5	17.5	17.5	17.5	17.5
Cabinet Size (H)	inch	24	24	24	24	24	24
Feet Type	-	Natural Gas/Propane Gas					
AFLUE	%	96					
ENERGY STAR Rating	-	5					
Input	NGA/P (High)	60000	80000	80000	100000	100000	120000
Output	NGA/P (Low)	39000	52000	52000	65000	65000	78000
Design Max. Outdoor Air Temperature	°F	160	165	165	170	170	170
Certified EXT Static Pressure	Heating in. WC	0.12	0.15	0.15	0.2	0.2	0.2
Test AC @ 8.0" ESP	in. WC	0.5	0.5	0.5	0.5	0.5	0.5
Power Supply	Volts/Ph	115/208/230V					
Max. Overcurrent Protection (MOP)	Amps	15	15	15	20	20	20
Blower Motor Full Load	Amps	8	8	7.6	11.5	10.5	10.5
Circulating Blower Motor	Type	ECM					
Height Blower	inch	12.3/8	12.3/8				
Number of Speeds	-	5					
Motor Speeds	Speed Settings	High/Mid/Low/Very Low					
Power Input	W	37/10%					
Circulating Fan Motor	Motor Horsepower	3/4	1				
Max. Inlet Gas Pressure	Natural Gas in. WC	10.5					
Max. Inlet Gas Pressure	Propane Gas S.P.P. in. WC	13					
Max. Inlet Gas Pressure	Natural Gas in. WC	4.5					
Max. Inlet Gas Pressure	Propane Gas S.P.P. in. WC	11					
Natural Gas Working Pressure	in. WC	High Fire: 3.5 Low Fire: 1.6					
Natural Gas Outlet (IP 2000) (Inch)	inch	1/2					
Propane Gas Outlet (IP 2000) (Inch)	inch	1/2					
Number of Burners	-	3	4	4	5	5	6
Primary Heat Exchanger Diameter	inch	1.3/4					
Primary Heat Exchanger	# Tubes	3	4	4	5	5	6
Secondary Heat Exchanger Diameter	inch	3/8					
Secondary Heat Exchanger	# Tubes	33	33	39	39	48	48
Pressure Switch Factory Setting	in. WC	1.1					
Pressure Switch Factory Setting	in. WC	0.55					
Relief Switch - Resettable	psi	300					
Ident High Temp Limit Switch - Flood	°F	150/120	130/100	150/120			
Gas Connection Size	in. NPT	1/2					
Igniter Type	-	Hot Surface					
Net Weight	lb	135	141	152	162	170	174

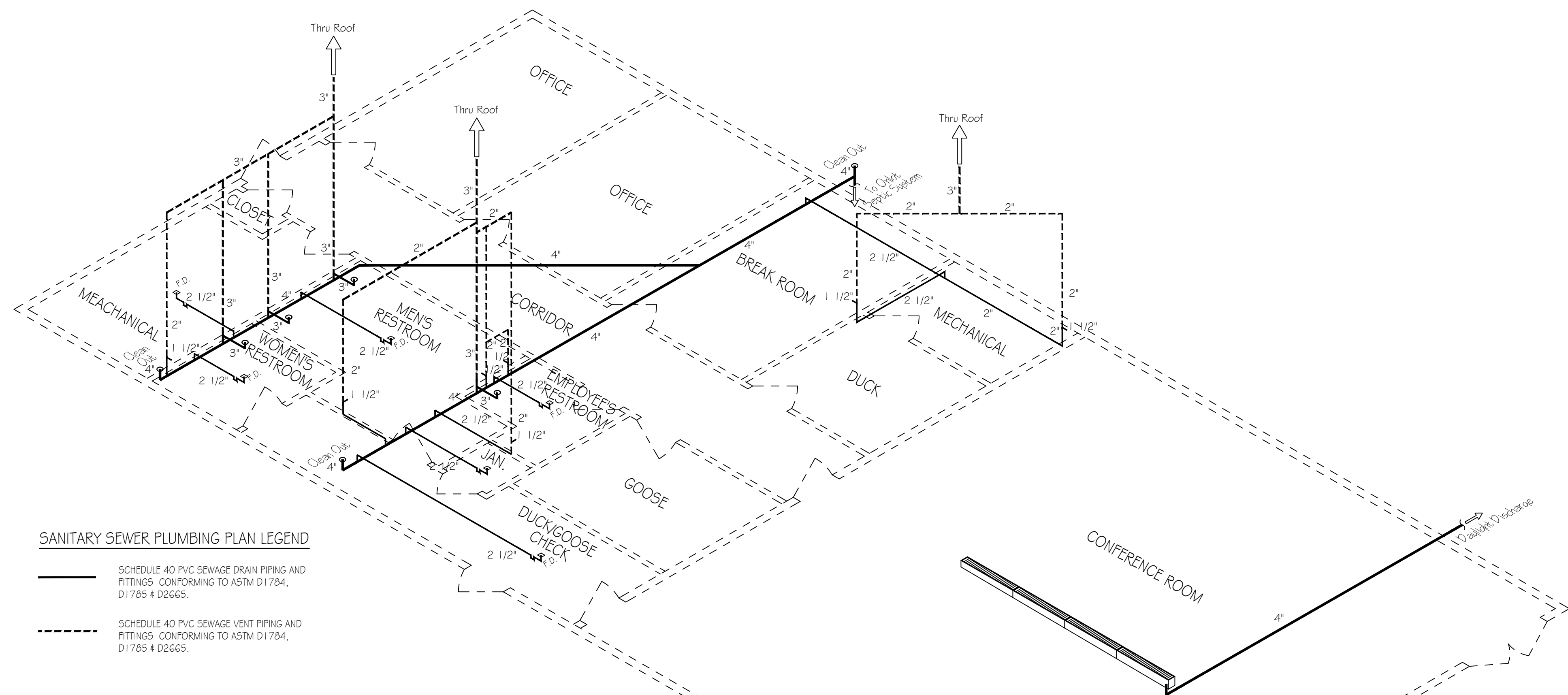


FIRST FLOOR PLAN - MECHANICAL (HVAC)
SCALE: 1/4" = 1'-0"



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/SPOTTS
▲	DATE:	2/27/2023
▲	SHEET NO.	M-1

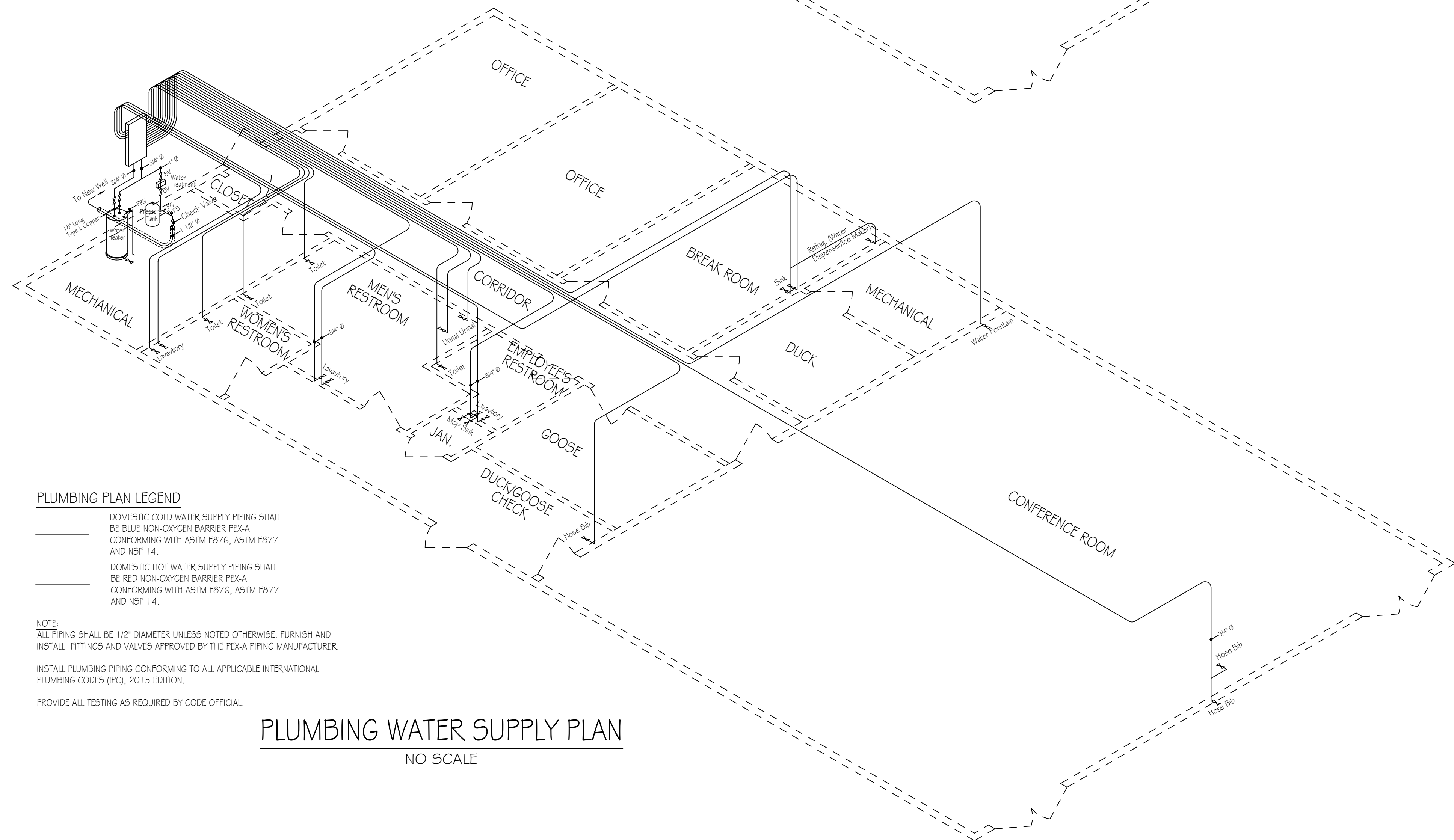


SANITARY SEWER PLUMBING PLAN LEGEND

— 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

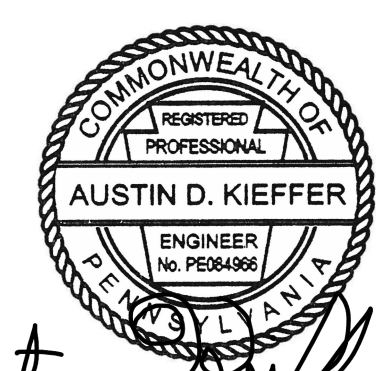
— DOMESTIC COLD WATER SUPPLY PIPING SHALL BE BLUE NON-OXYGEN BARRIER PE-X-A CONFORMING WITH ASTM F876, ASTM F877 AND NSF I-4.

— DOMESTIC HOT WATER SUPPLY PIPING SHALL BE RED NON-OXYGEN BARRIER PE-X-A CONFORMING WITH ASTM F876, ASTM F877 AND NSF I-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 Poles	Breakers Amps	Description	Wiring No./Size
			200 AMP Main Service Breaker	3-#10
1.3	2	40	HVAC Outside Unit	Verify w/M.C.
2.4	2	30	HVAC Inside Air Handler Unit	Verify w/M.C.
5.7	2	40	HVAC Outside Unit	Verify w/M.C.
6.8	2	30	HVAC Inside Air Handler Unit	Verify 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	11" Round LED Surface Mount	LITHONIA FMLRL 11 14840 M4	
E	2	2' Integrated LED wall mount vanity light	LITHONIA FMVTL 3000K	
F	1	4' Integrated LED wall mount vanity light	LITHONIA FMVTL 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. 12" stem with knuckle	AMETRIX A04-S1-A-4000-LED-40K-120-b-AK12	

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:

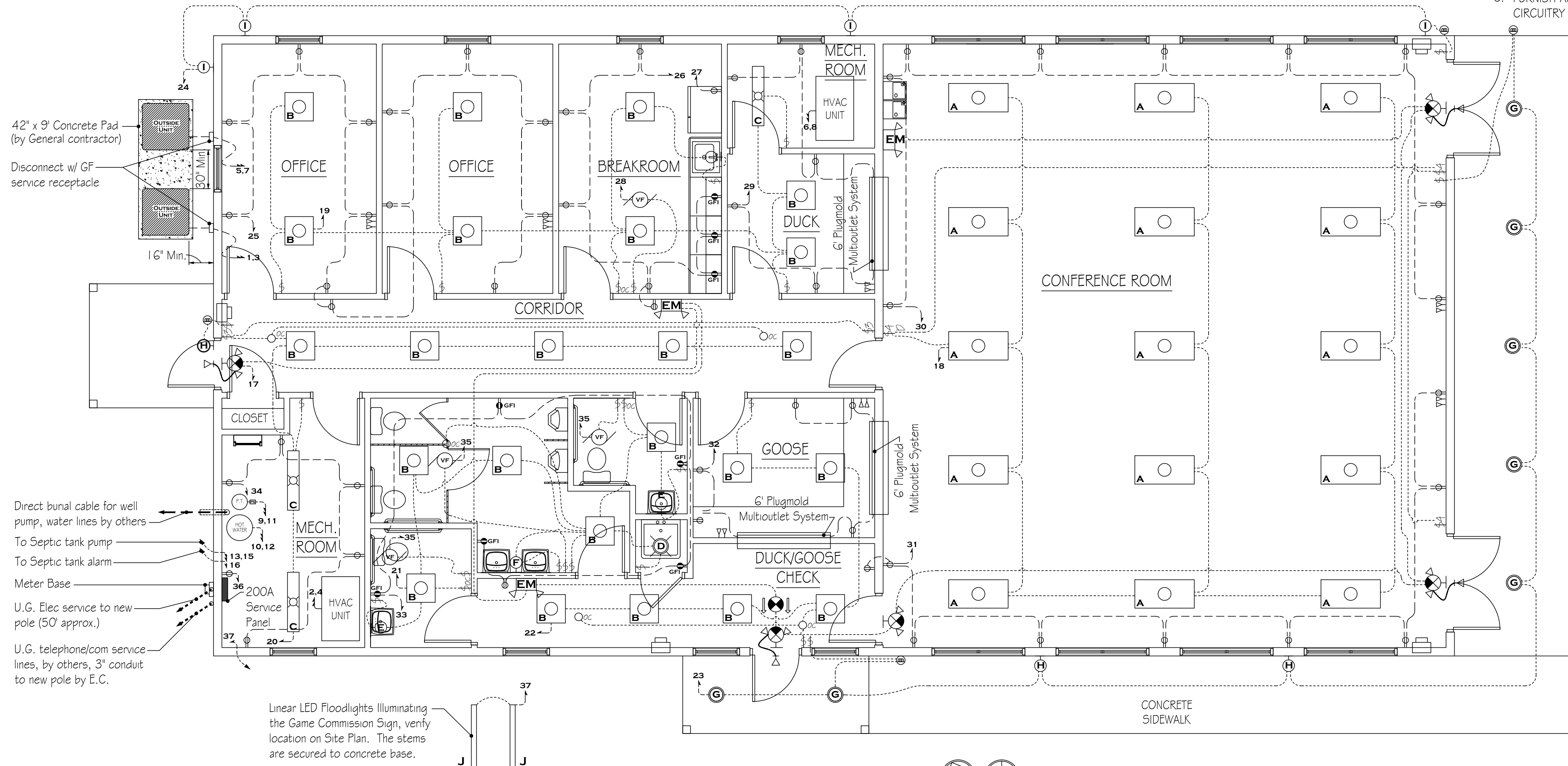
- FURNISH AND INSTALL SOLID COPPER CONDUCTORS AS SPECIFIED; NO ALUMINUM AND NO STRANDED. MC CABLE IS APPROVED FOR ALL HOME RUN CIRCUITS IF NEATLY INSTALLED.
- ALL CONDUCTORS FOR 120V CIRCUITS OVER 100' IN LENGTH SHALL BE MINIMUM #10AWG. ALL CONDUCTORS FOR 120V CIRCUITS OVER 150' IN LENGTH SHALL BE MINIMUM #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 BRACH 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 MG w/ EALALED WP M12 OR APPROVED EQUAL
Ⓞ	NEW LED DOUBLE FACED EXIT SIGN WITH DIRECTIONAL CHEVRONS AND NI-MH BATTERY BACKUP, LITHONIA MODEL No. EXRG EL MG 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"

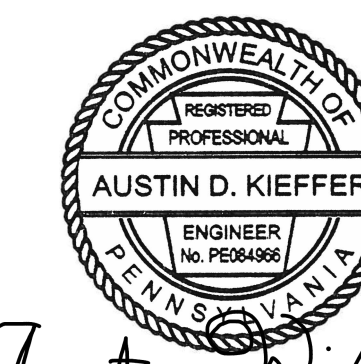
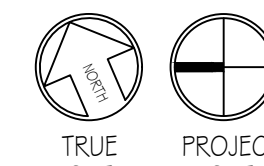
LIGHTING GENERAL NOTES:

- 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/THHW" 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.



FIRST FLOOR PLAN - ELECTRICAL

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



Austin D. Kieffer

PENNSYLVANIA GAME COMMISSION		
STATE GAME LANDS #214	NORTH SHENANGO TWP.	CRAWFORD CO.
NEW 40' x 80' WATERFOWL CHECK BUILDING		
ELECTRICAL FLOOR PLAN, SCHEDULES & DETAILS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
	SHEET NO.	E-1