

# 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 Num: **202300346**

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

Occupancy(s): **B**

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

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

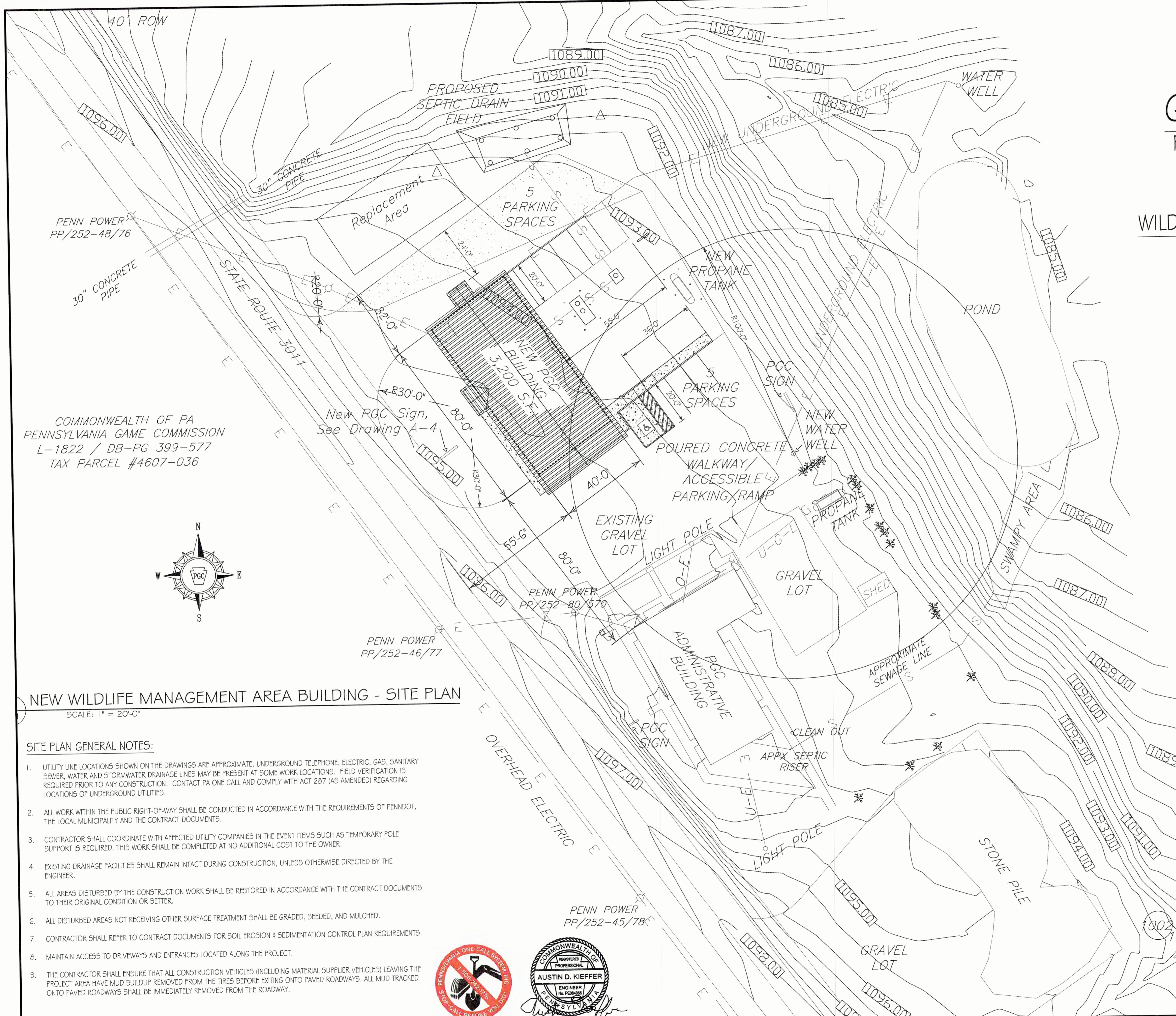
## DRAWING INDEX

- CS-1 COVER SHEET & BUILDING SITE PLAN
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- A-2 BUILDING REFLECTED CEILING PLAN & SCHEDULES
- A-3 BUILDING SECTIONS, DETAILS & SCHEDULES
- A-4 DETAILS & SECTIONS
- A-5 ENLARGED PLANS & ELEVATIONS
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- M-1 MECHANICAL FLOOR PLAN, SCHEDULES & DETAILS
- P-1 PLUMBING FLOOR PLANS
- E-1 ELECTRICAL FLOOR PLAN, SCHEDULES & DETAILS

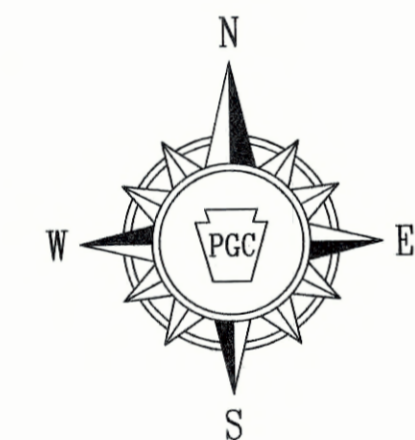
## PENNSYLVANIA GAME COMMISSION

STATE GAME LANDS #214 | NORTH SHENANGO TWP. | CRAWFORD CO.  
NEW 40' x 80' PYMATUNING 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:

1. 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 257 (AS AMENDED) REGARDING LOCATIONS OF UNDERGROUND UTILITIES.
2. 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.
3. 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.
4. EXISTING DRAINAGE FACILITIES SHALL REMAIN INTACT DURING CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. ALL AREAS DISTURBED BY THE CONSTRUCTION WORK SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS TO THEIR ORIGINAL CONDITION OR BETTER.
6. ALL DISTURBED AREAS NOT RECEIVING OTHER SURFACE TREATMENT SHALL BE GRADED, SEEDED, AND MULCHED.
7. CONTRACTOR SHALL REFER TO CONTRACT DOCUMENTS FOR SOIL EROSION & SEDIMENTATION CONTROL PLAN REQUIREMENTS.
8. MAINTAIN ACCESS TO DRIVEWAYS AND ENTRANCES LOCATED ALONG THE PROJECT.
9. 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

PENN POWER  
PP/252-46/77

PENN POWER  
PP/252-80/570

PENN POWER  
PP/252-48/76

30" CONCRETE PIPE

STATE ROUTE 30-H

New PGC Sign,  
See Drawing A-4

OVERHEAD ELECTRIC

ADMINISTRATIVE BUILDING

LIGHT POLE

APPR SEPTIC RISER

CLEAN OUT

GRAVEL LOT

SHED

PROPANE TANK

NEW WATER WELL

PGC SIGN

NEW PROPANE TANK

NEW UNDERGROUND ELECTRIC

UNDERGROUND ELECTRIC

1087.00

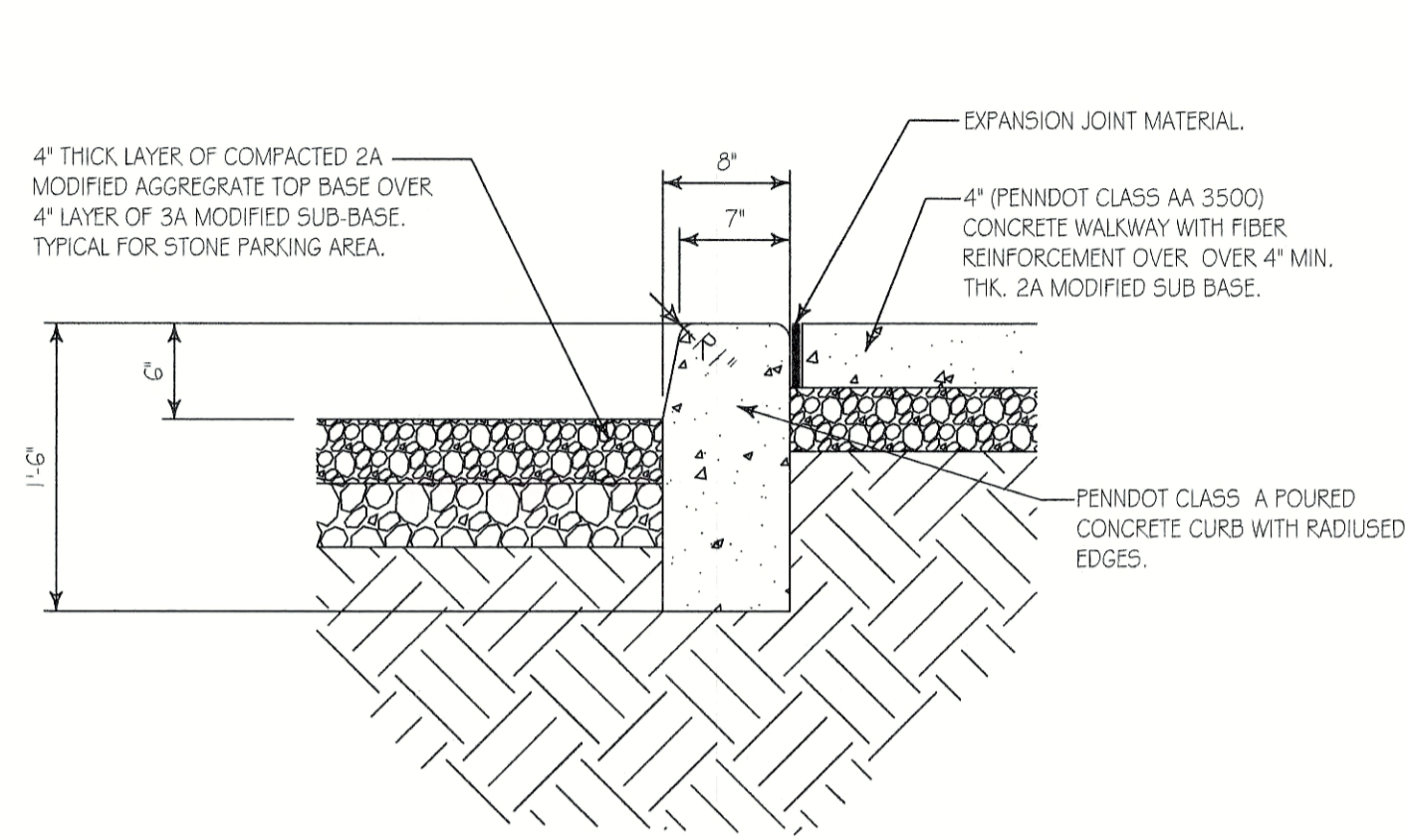
POND

SWAMPY AREA

STONE PILE

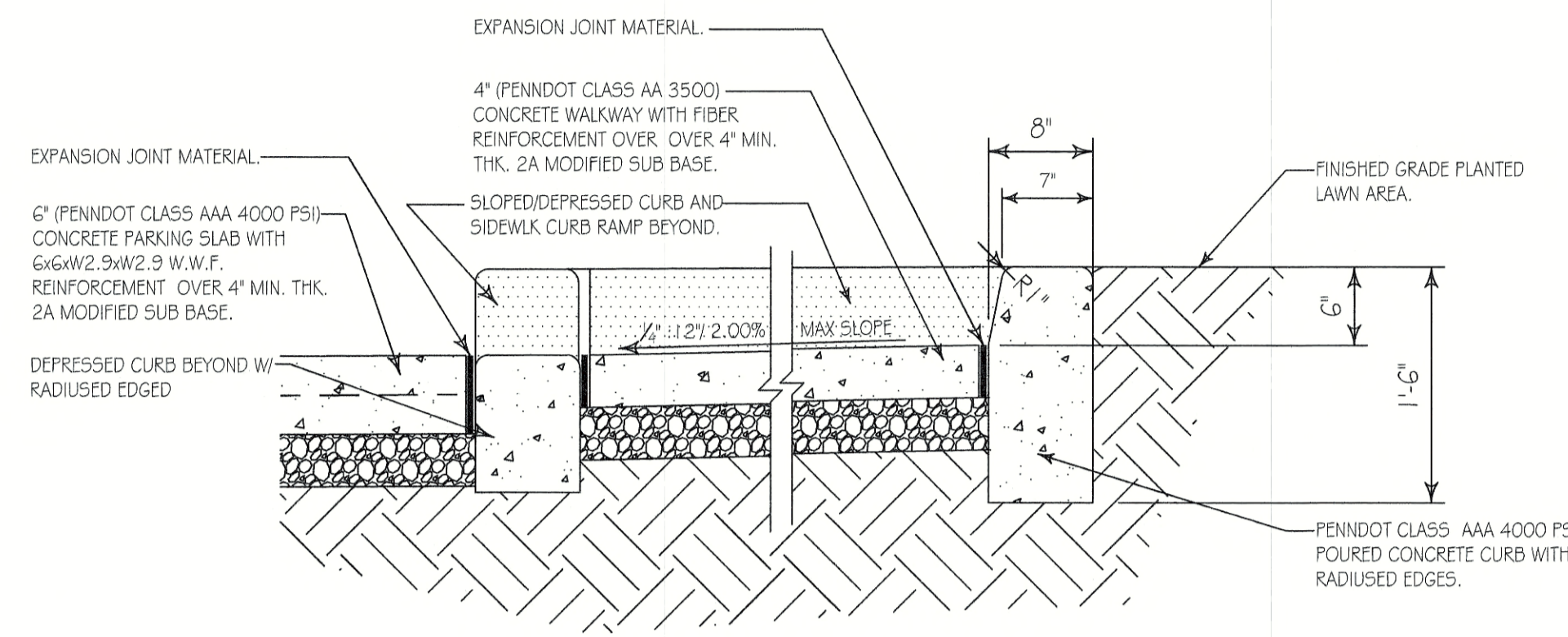
GRAVEL LOT

1003 ELEV.  
1093.55'



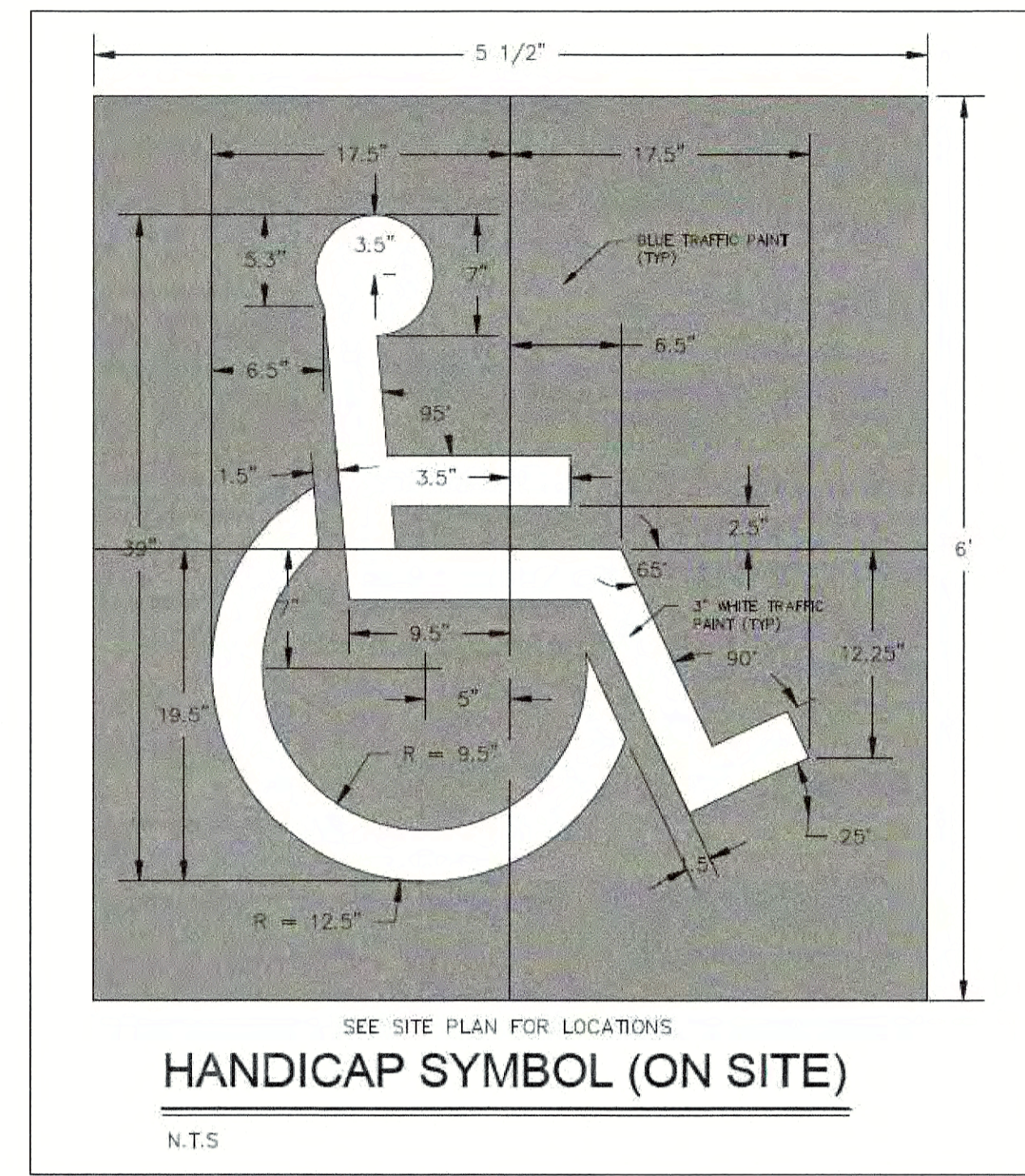
CONCRETE CURB/SIDEWALK DETAIL

SCALE: 1" = 1'-0"



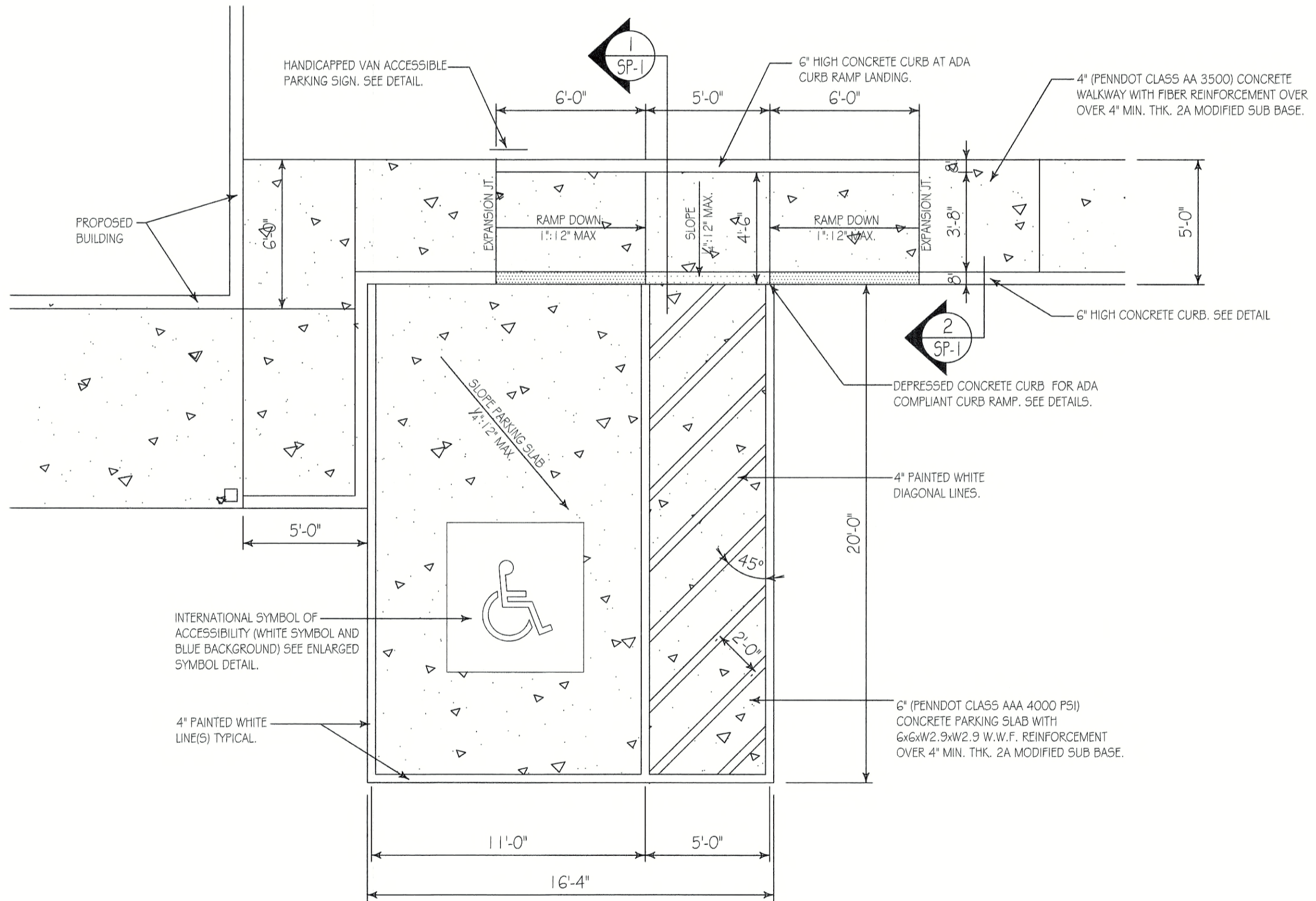
CONCRETE CURB/CURB RAMP LANDING DETAIL

SCALE: 1" = 1'-0"



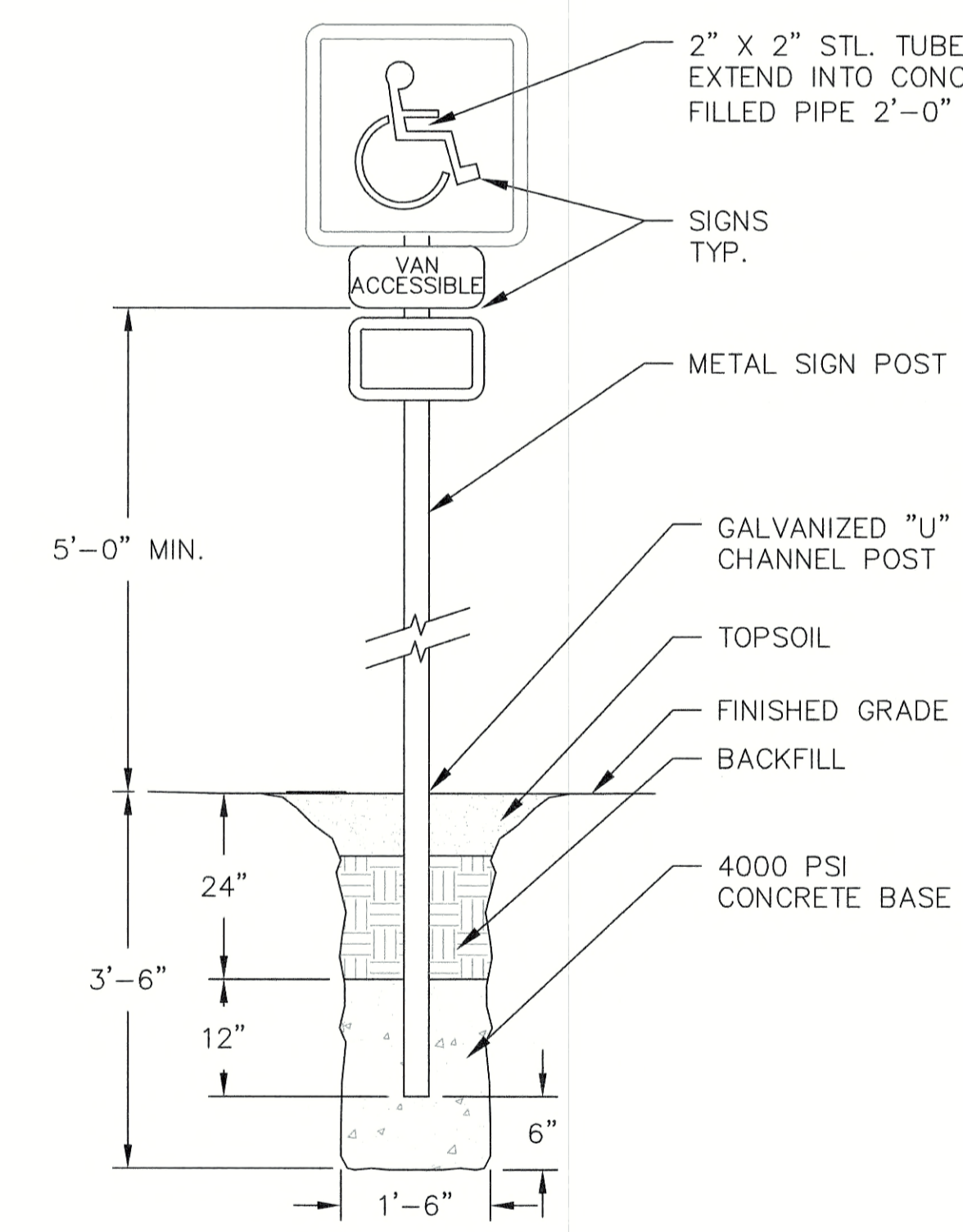
HANDICAP SYMBOL (ON SITE)

N.T.S.



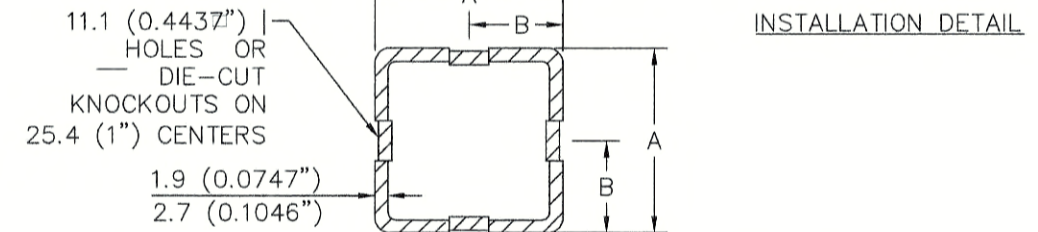
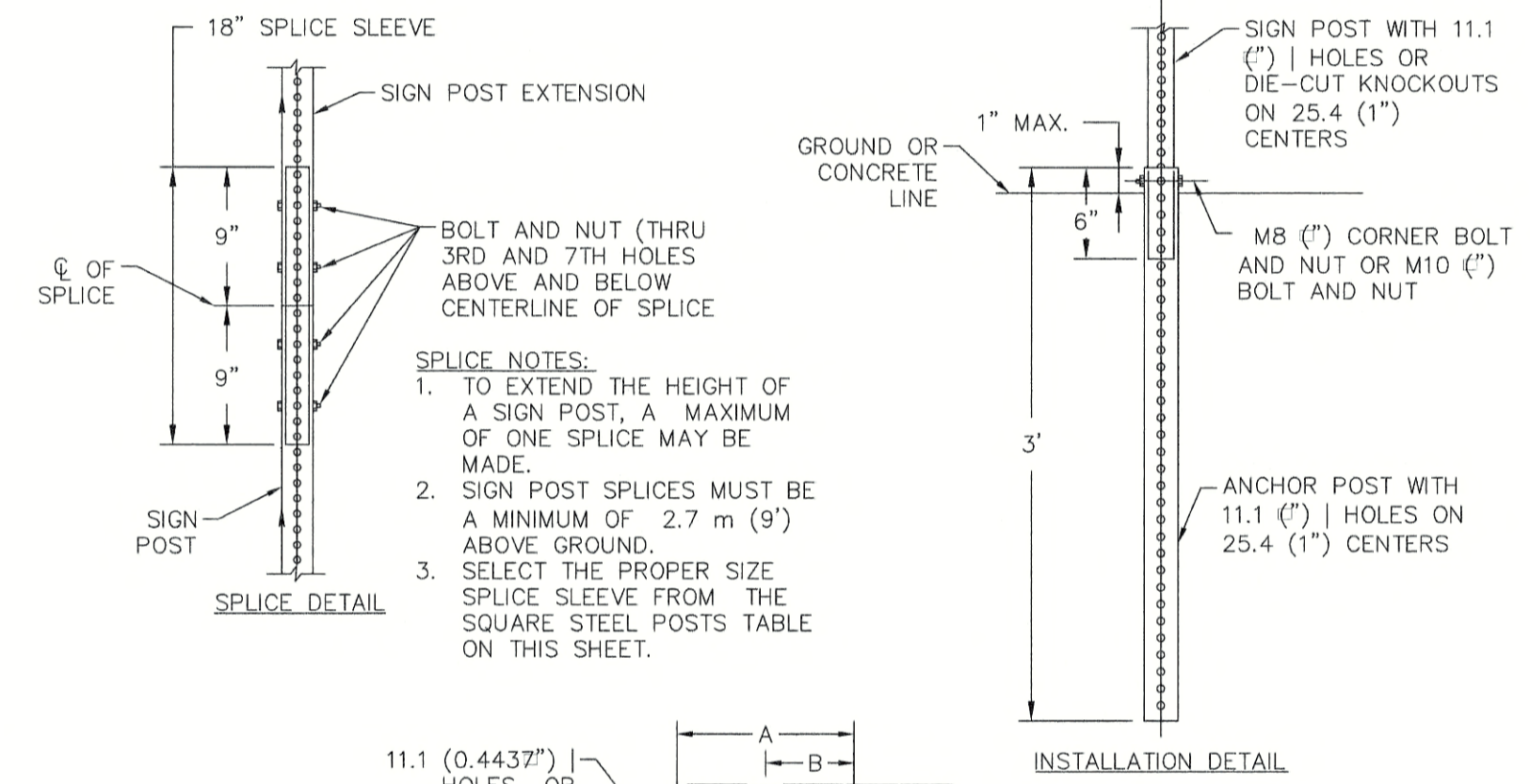
HANDICAPPED PARKING STALL LAYOUT

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



VAN ACCESSIBLE PARKING SIGN

N.T.S.



- SPICE NOTES:
1. TO EXTEND THE HEIGHT OF A SIGN POST, A MAXIMUM OF ONE SPICE MAY BE MADE.
  2. SIGN POST SPICES MUST BE A MINIMUM OF 2.7 m (9') ABOVE GROUND.
  3. SELECT THE PROPER SIZE SPICE SLEEVE FROM THE SQUARE STEEL POSTS TABLE ON THIS SHEET.

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:
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.

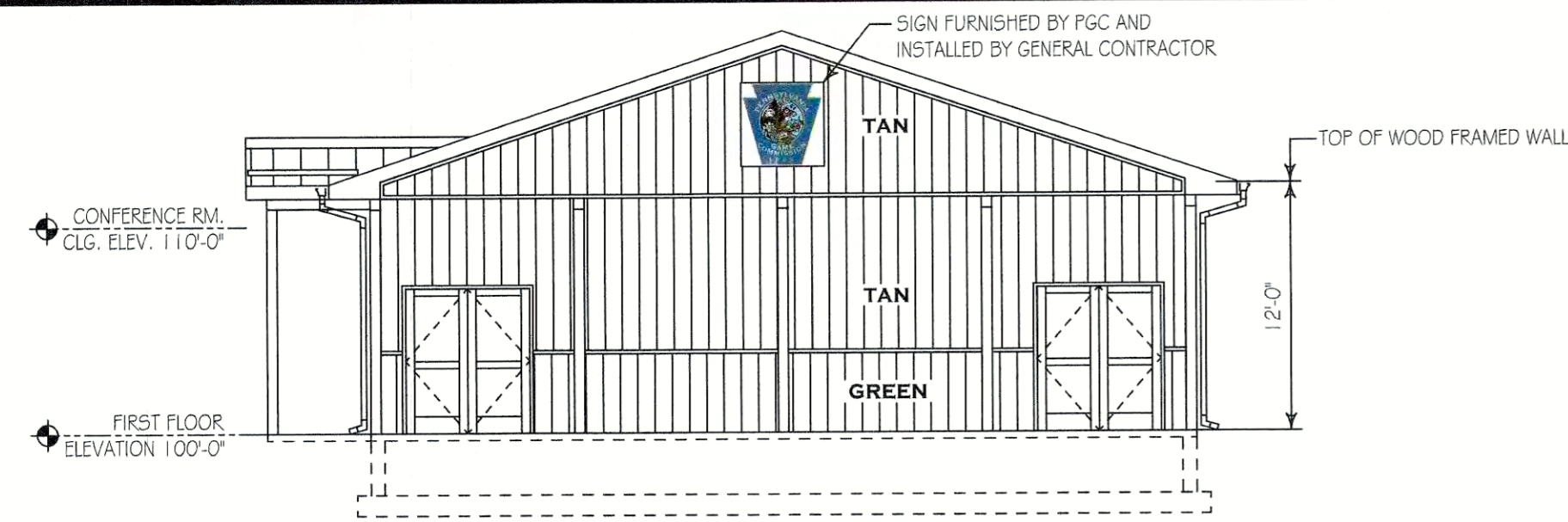
TYPICAL METAL SIGN POST

N.T.S.



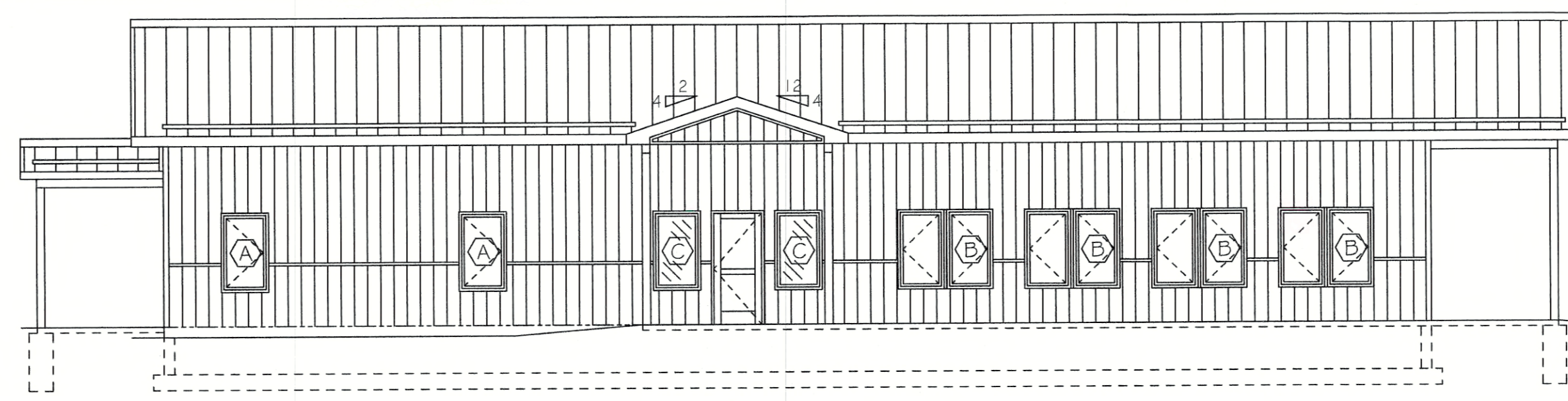
**PENNSYLVANIA GAME COMMISSION**  
 STATE GAME LANDS #214 | NORTH SHENANGO TWP. | CRAWFORD CO.  
 NEW 40' x 80' WATERFOWL CHECK BUILDING  
 SITE DETAILS # SECTIONS

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



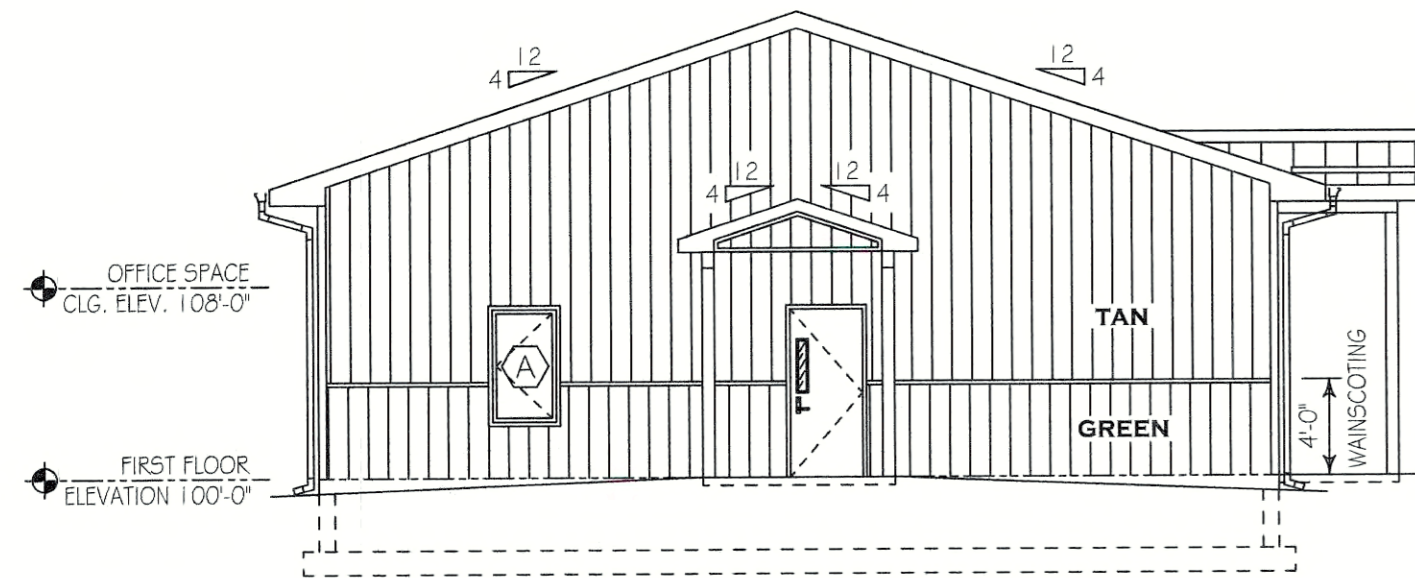
NORTH SIDE ELEVATION

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



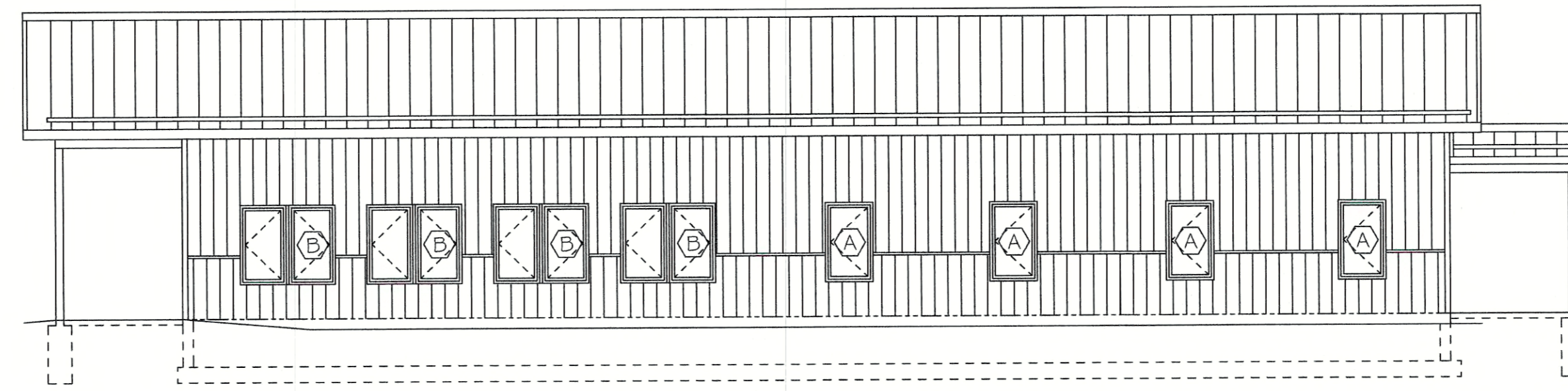
FRONT ELEVATION

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



SOUTH SIDE ELEVATION

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



REAR ELEVATION

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

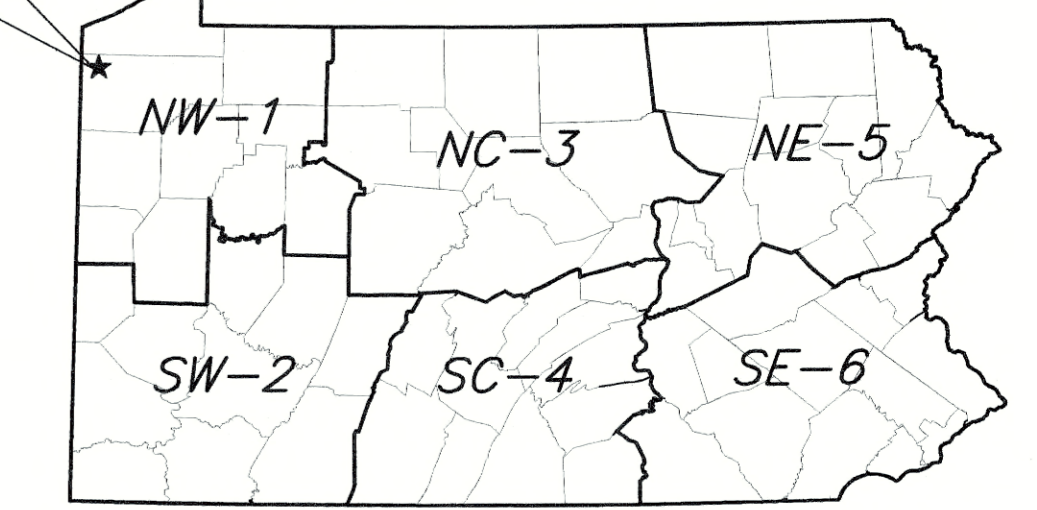
SEE SHEET SP-1 FOR ADDITIONAL INFORMATION REGARDING HANDICAPPED PARKING, ACCESS RAMP & DETAILS.



VICINITY MAP

NO SCALE

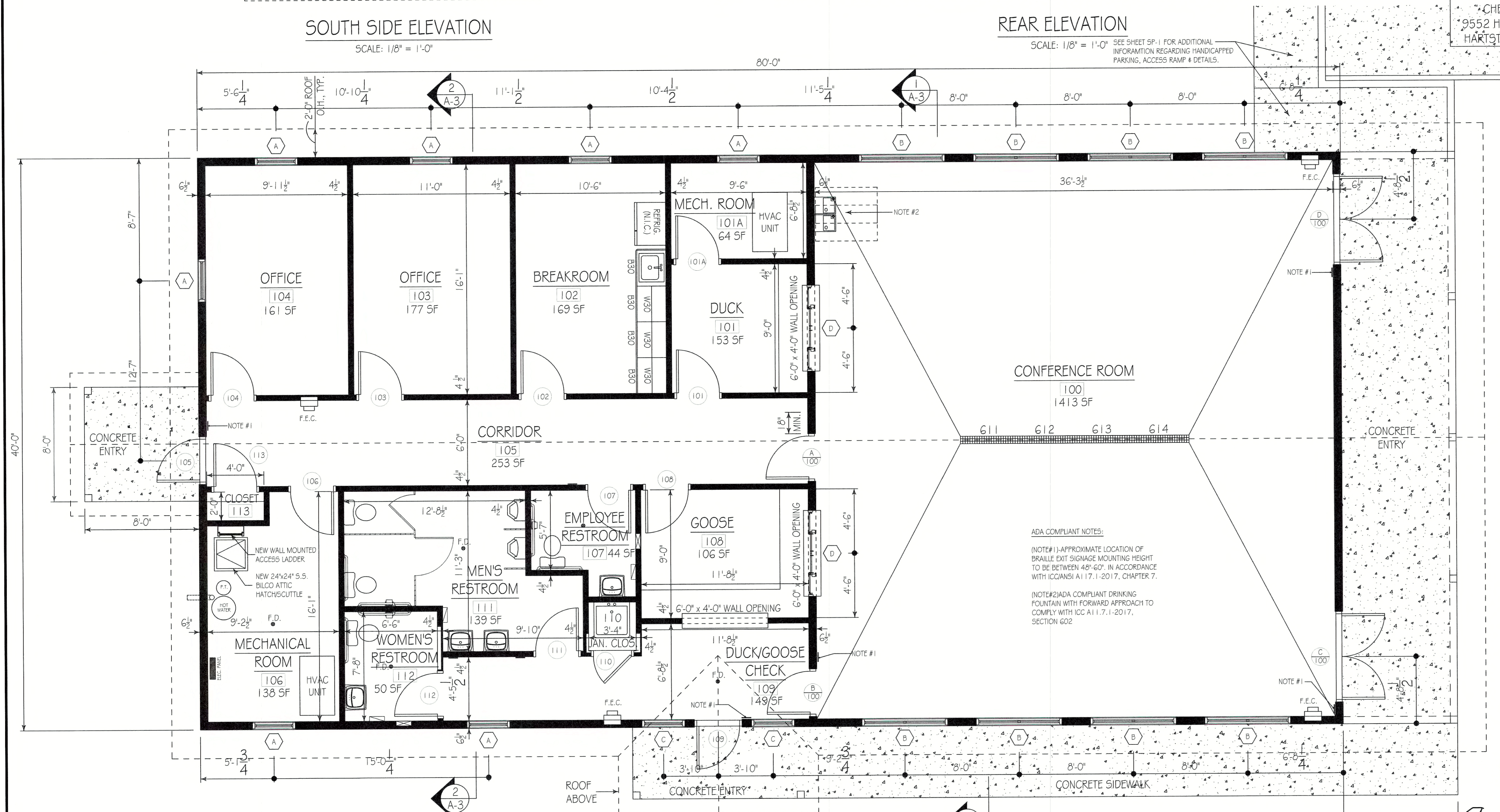
PROJECT LOCATION  
STATE GAME LANDS No. 214  
PYMATUNING WATERFOWL  
CHECK BUILDING  
9552 HARTSTOWN ROAD  
HARTSTOWN, PA 16131



★ = GEO N41.59175°/-80.40935°W

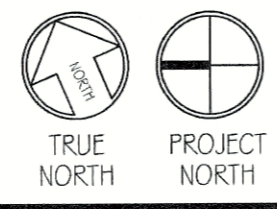
PROJECT LOCATION MAP

NO SCALE



FIRST FLOOR PLAN

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



Justin 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

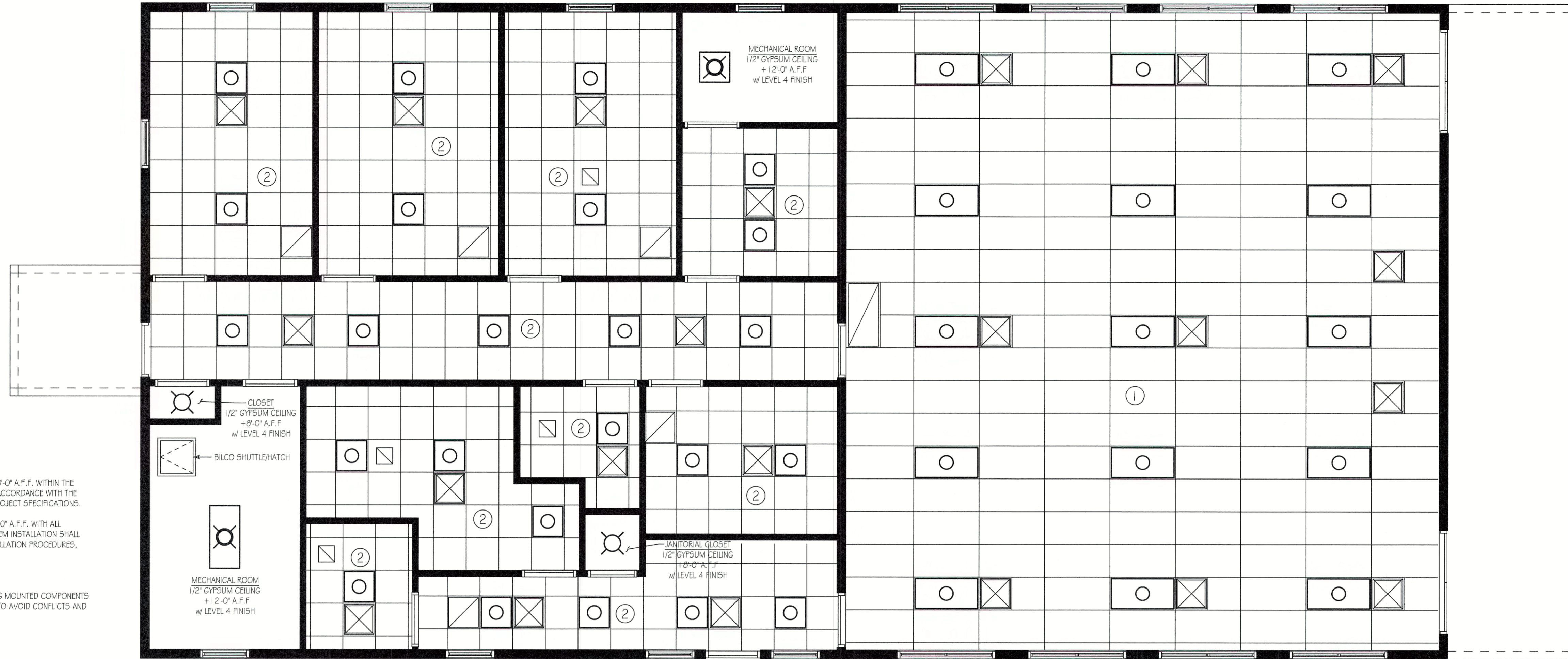
STATE GAME LANDS #214   NORTH SHENANGO TWP.   CRAWFORD CO.		
NEW 40' x 80' WATERFOWL CHECK BUILDING		
BUILDING FLOOR PLAN & ELEVATIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
▲	DRAWN BY:	CLOUSER/POTTS
▲	DATE:	2/27/2023
▲	SHEET NO.	A-1

RCP LEGEND

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

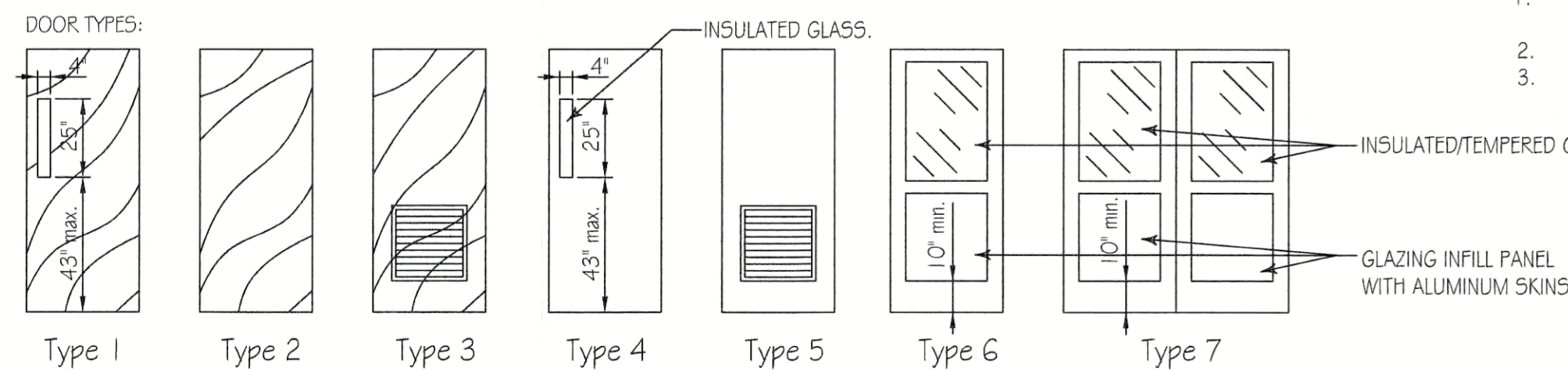


FIRST FLOOR REFLECTED CEILING PLAN

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

DOOR SCHEDULE										
DOOR					DOOR FRAME					
ROOM 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 6	6	ALUM.	NA	ALUMINUM STOREFRONT ENTRY DOOR
110	NA	3'-0"	7'-0"	1 3/4"	WOOD	HARDWARE SET 8	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 KEYPED TO PGC KEYING SYSTEM.



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 CG67DKB 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. CORES AND KEYING SHALL BE PROVIDED BY DORMAKABA
  4. STANLEY D-4550-HCS-689-SN DOOR CLOSER
  5. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES
  6. ROCKWOOD K1050 (10934) KICK PLATE, PUSH SIDE ONLY w/ 630 STAIN 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.
  3. CORES AND KEYING SHALL BE PROVIDED BY DORMAKABA
  4. STANLEY D-4550-HCS-689-SN DOOR CLOSER
  5. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES
  6. ROCKWOOD K1050 (10934) KICK PLATE, PUSH SIDE ONLY w/ 630 STAIN STAINLESS STEEL FINISH
  7. WEATHER TIGHT GASKET
  8. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
  9. NATIONAL GUARD PRODUCTS CG67DKB NYLON BRUSH SEAL
- HARDWARE SET #6
1. BEST ACCESS SYSTEMS 9K30L 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
  4. STANLEY HEAVY DUTY, BALL BEARING, SATIN STAINLESS STEEL HINGES
  5. WEATHER TIGHT GASKET
  6. ALUMINUM MILL FINISH ADA COMPLIANT THRESHOLD
  7. NATIONAL GUARD PRODUCTS CG67DKB NYLON BRUSH SEAL
- 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 CG67DKB 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							
WITH VELD	STYLE	WIDTH	HEIGHT	MATL.	MANUFACTURER	SERIES	REMARKS
A	3660 CASEMENT	3'-0"	5'-0"	ALUM.	ANDERSON	400 SERIES	MODEL No. CWX15, TERRATONE COLOR, LOW-E4 GLASS
B	2-3660 CASEMENT	6'-0"	5'-0"	ALUM.	ANDERSON	400 SERIES	2-CWX15 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, DORAKODIC BRONZE FINISH

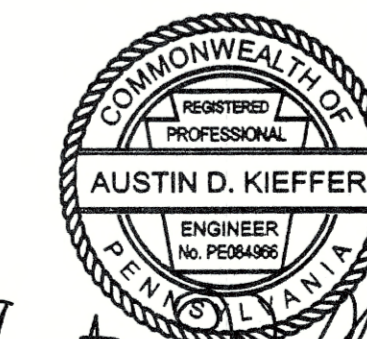
DOOR SCHEDULE NOTES:

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: (1) (2) (3) (3) (3) (4) (5)							
		FLOOR	BASE	WALL			CEILING	REMARKS	
				NORTH	SOUTH	WEST	EAST		
100	CONFERENCE ROOM	B	B	C	C	C	C	A	
101	DUCK	A	A	A	A	A	A	B	
102	BREAKROOM	A	A	A	A	A	A	B	
103	OFFICE	A	A	A	A	A	A	B	
104	OFFICE	A	A	A	A	A	A	B	
105	CORRIDOR	A	A	A	A	A	A	B	
106	MECHANICAL ROOM	B	B	A	A	A	A	C	
107	EMPLOYEE RESTROOM	B	B	B	B	B	B	B	
108	GOOSE	A	A	A	A	A	A	B	
109	DUCK/GOOSE CHECK	B	B	A	A	A	A	B	
110	JANITORIAL CLOSET	B	B	B	B	B	B	C	
111	MEN'S RESTROOM	B	B	B	B	B	B	B	
112	WOMEN'S RESTROOM	B	B	B	B	B	B	B	
113	CLOSET	A	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 (WAINSCOT), 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



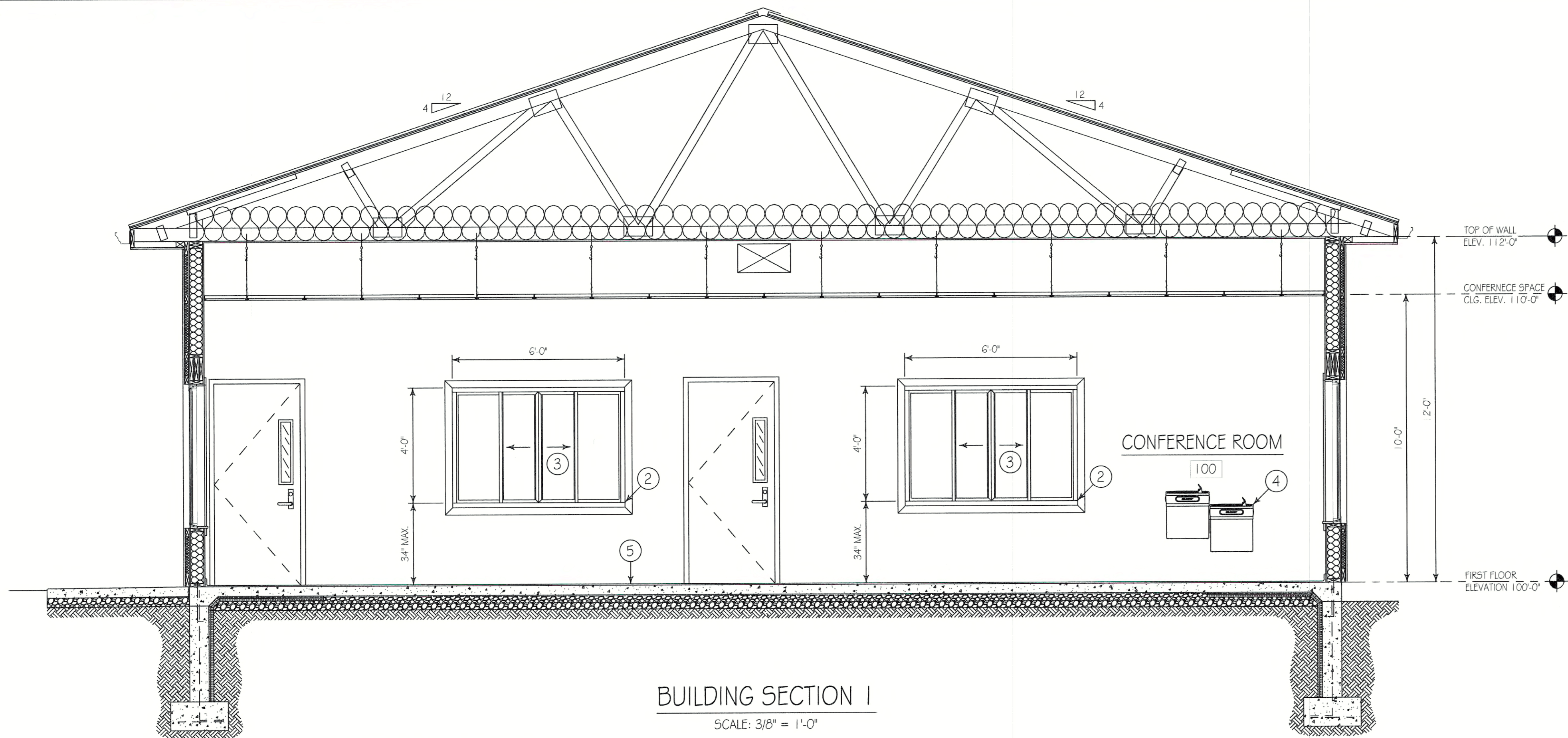
**PENNSYLVANIA GAME COMMISSION**

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

NEW 40' x 80' WATERFOWL CHECK BUILDING

BUILDING REFLECTED CEILING PLAN & SCHEDULES

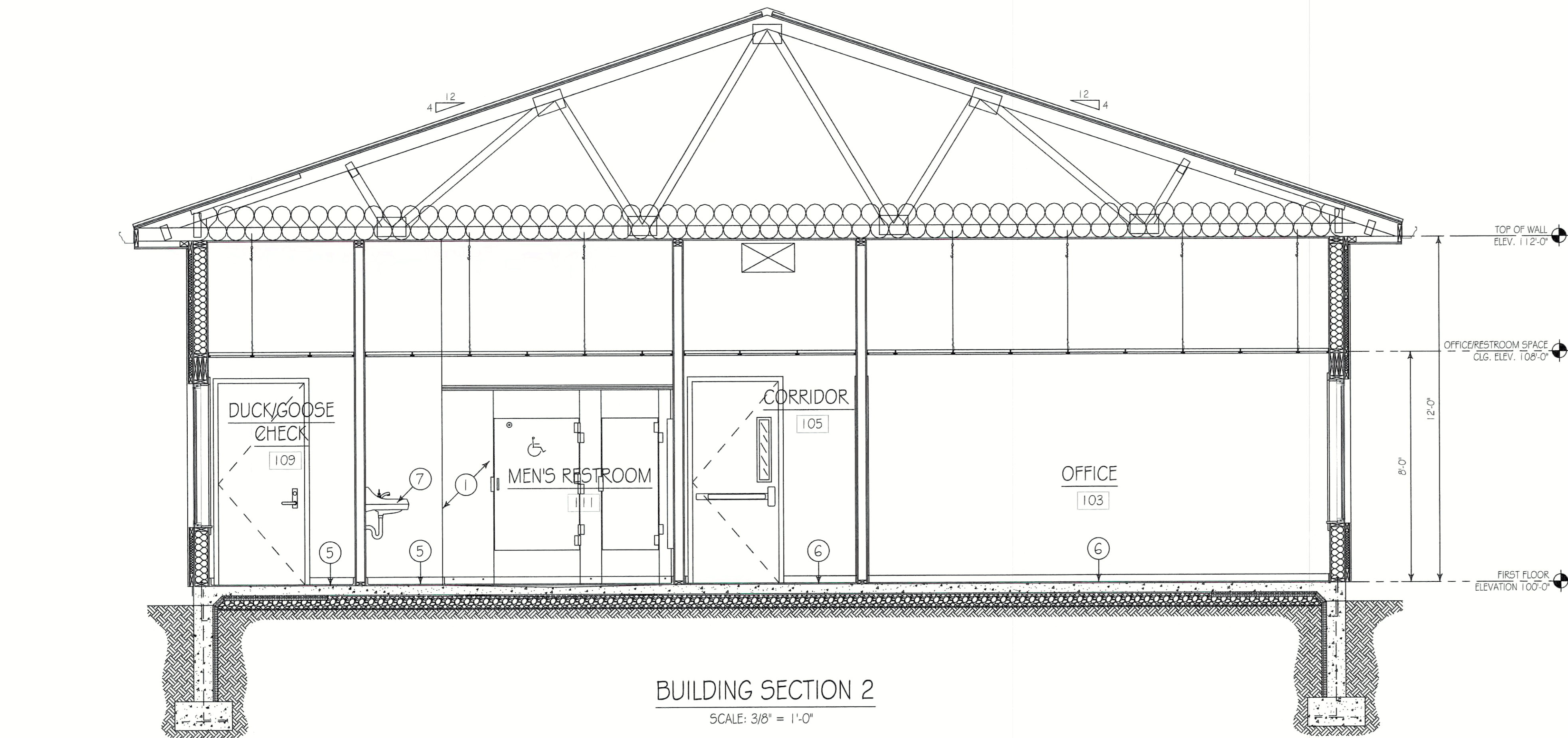
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/23/2023
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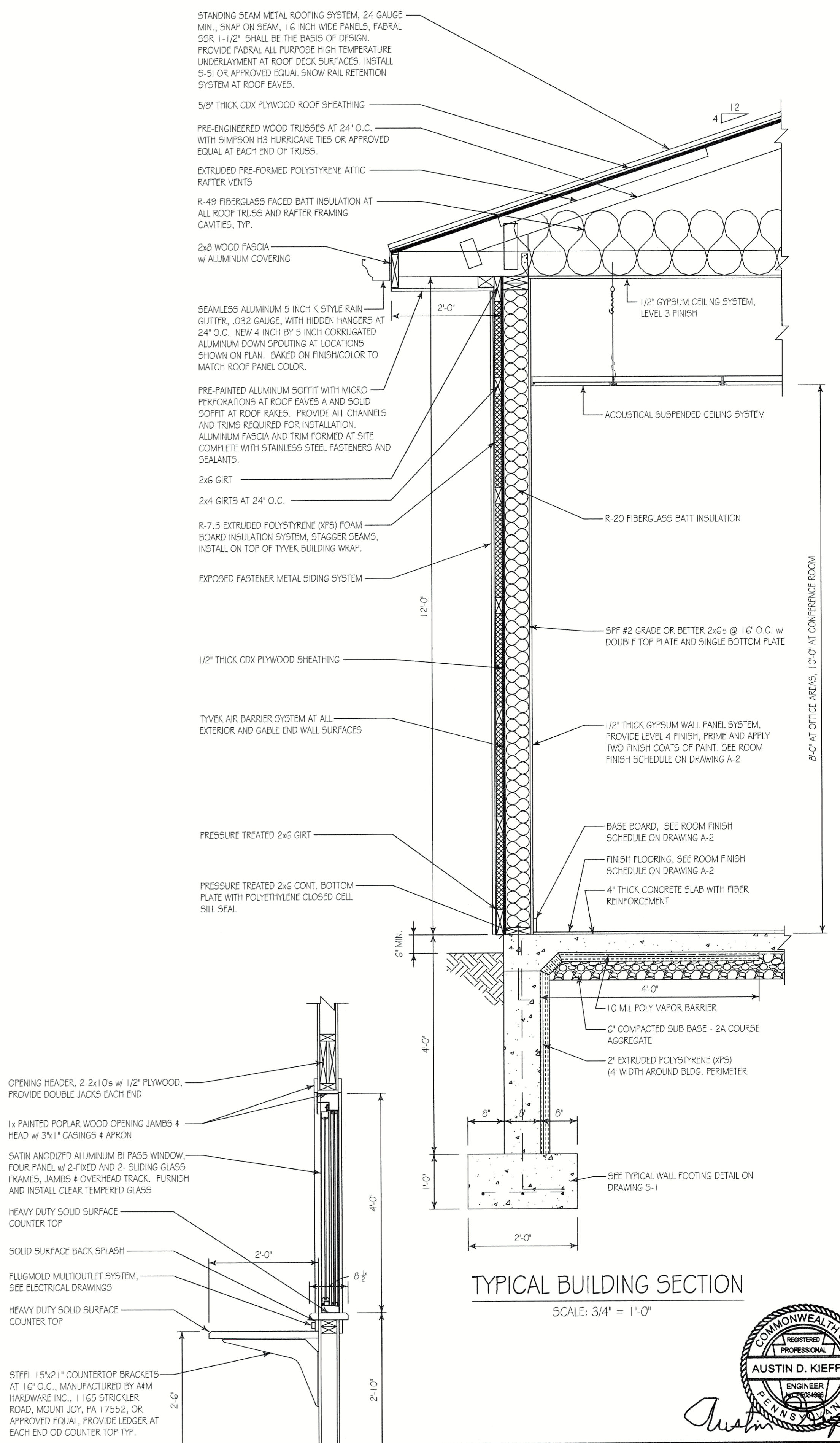
**BUILDING SECTION 1**  
SCALE: 3/8" = 1'-0"

**BUILDING SECTION CONSTRUCTION NOTES**

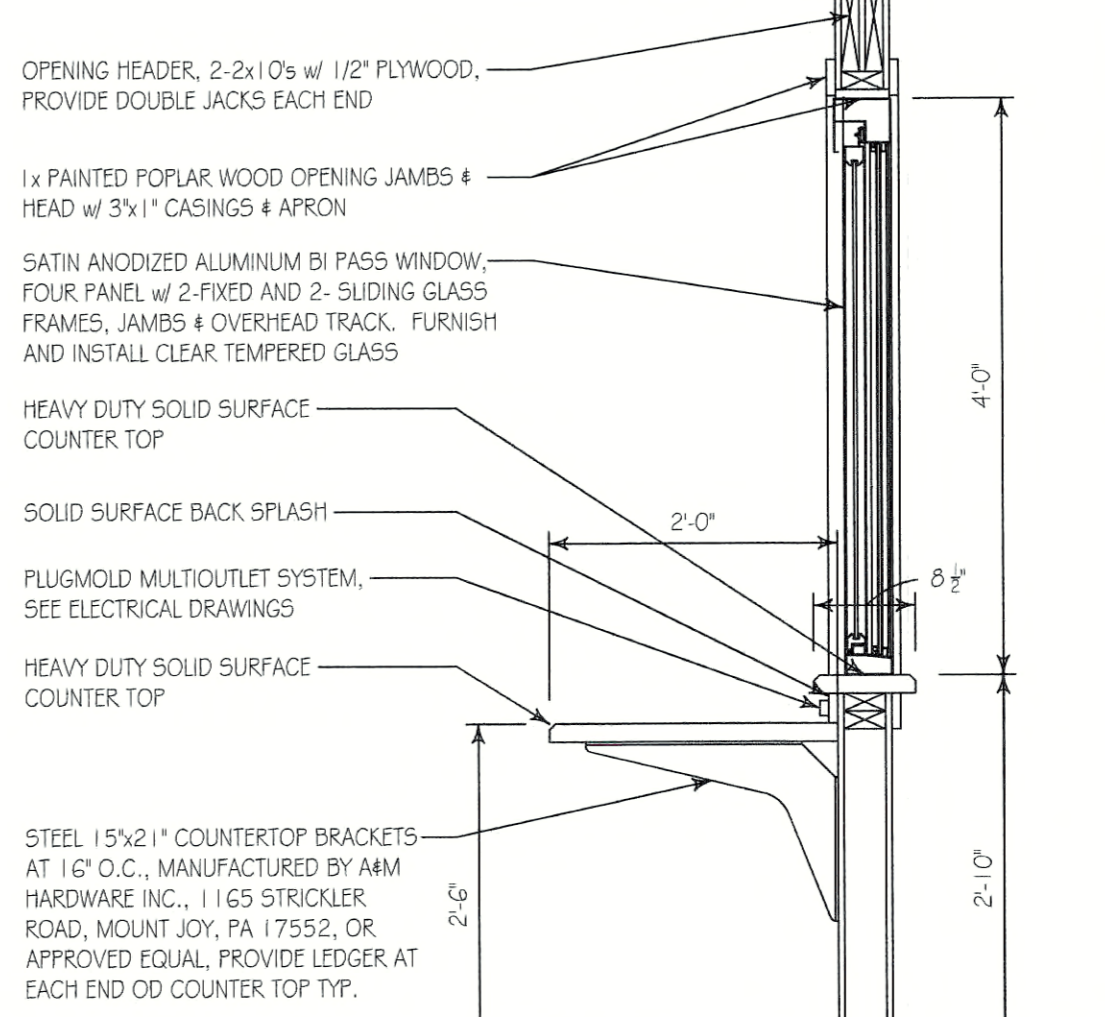
- 1 SOLID PLASTIC (HDPE) FLOOR MOUNTED OVERHEAD BRACED TOILET COMPARTMENTS. SEE PROJECT SPECIFICATIONS.
- 2 HEAVY DUTY SOLID SURFACE COUNTERTOPS. SEE DETAIL THIS DRAWING.
- 3 SATIN ANODIZED ALUMINUM BI PASS WINDOW, FOUR PANEL w/ 2-FIXED AND 2-SLIDING GLASS FRAMES, JAMBS & OVERHEAD TRACK. FURNISH AND 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"

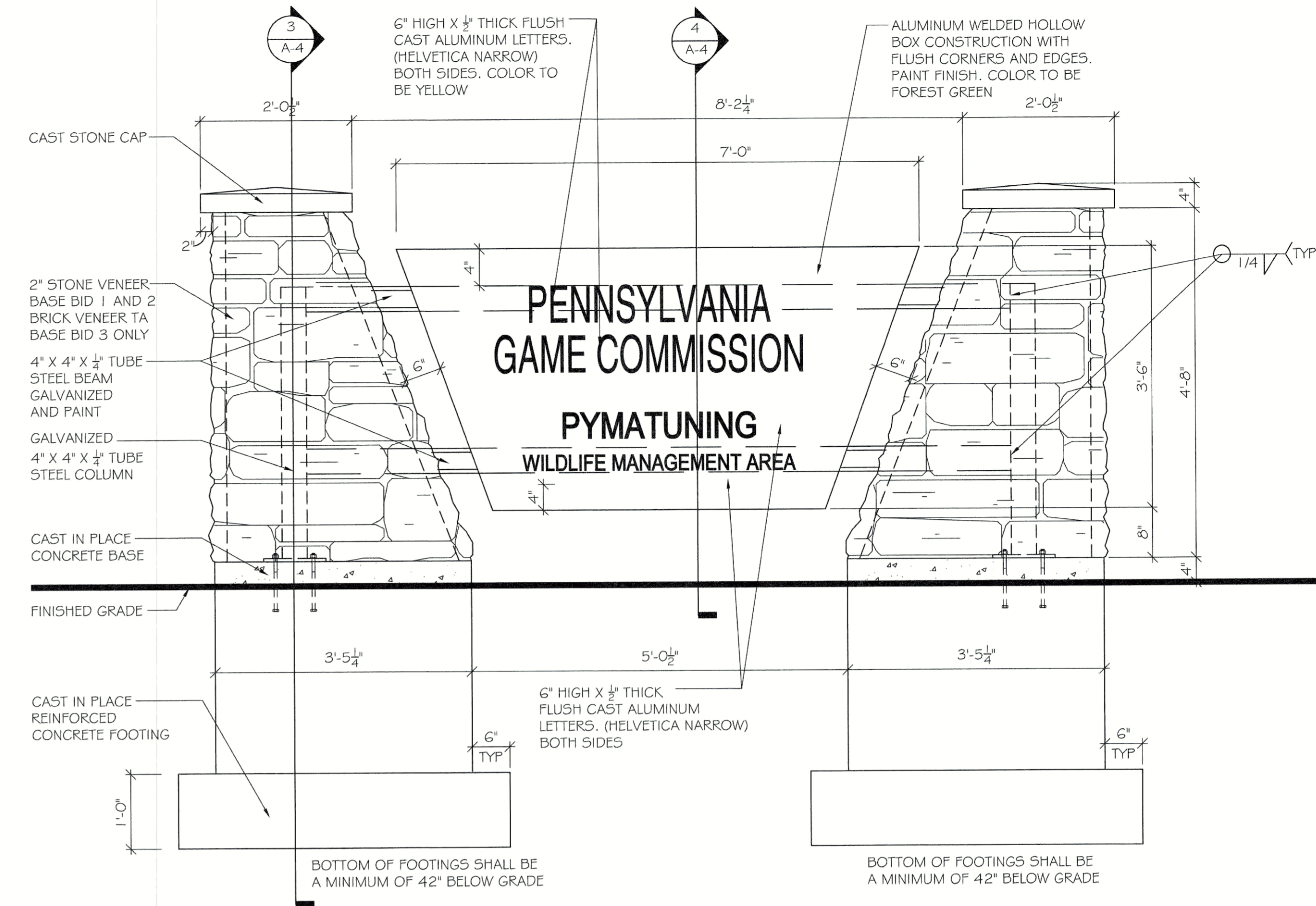
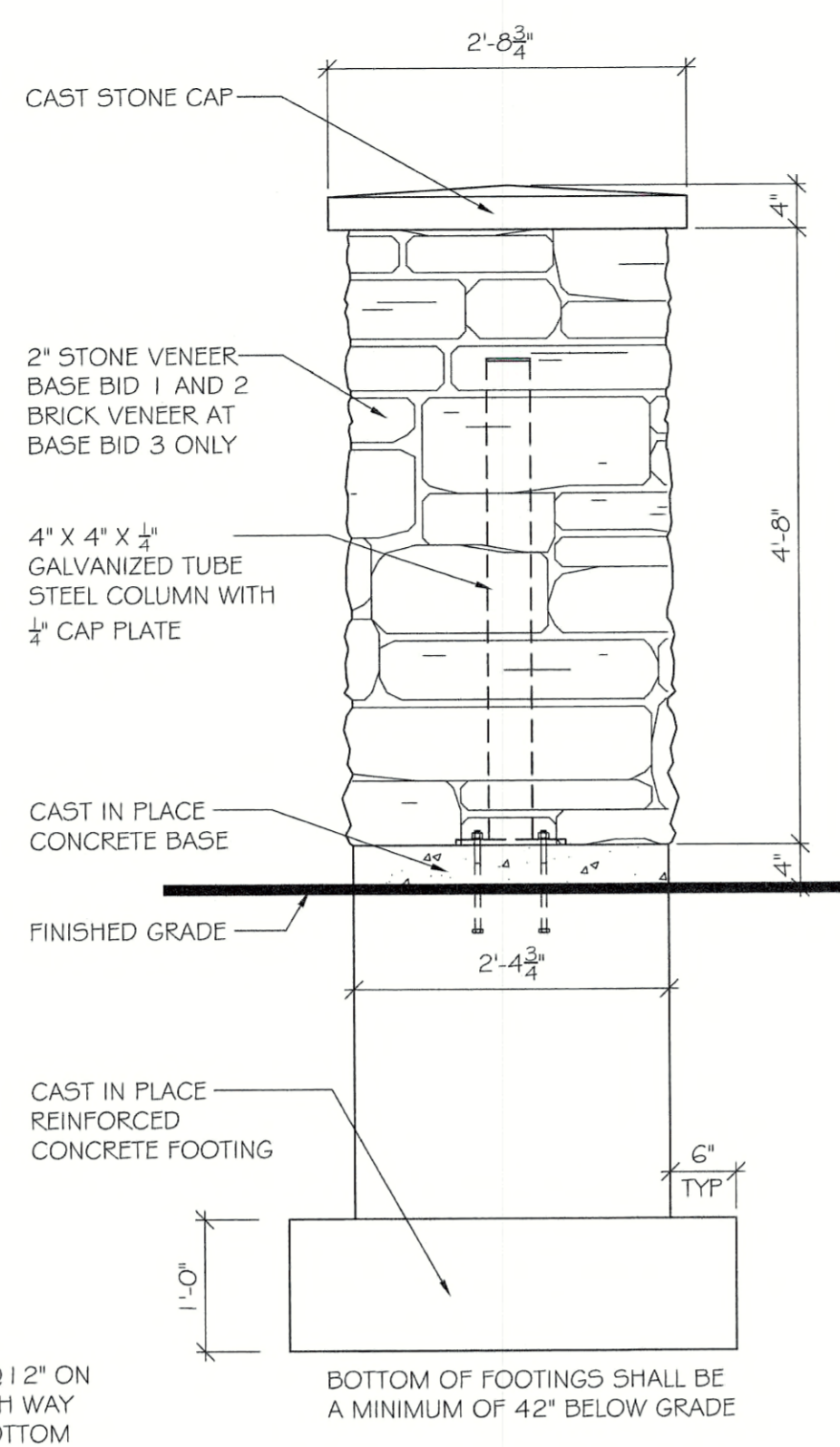
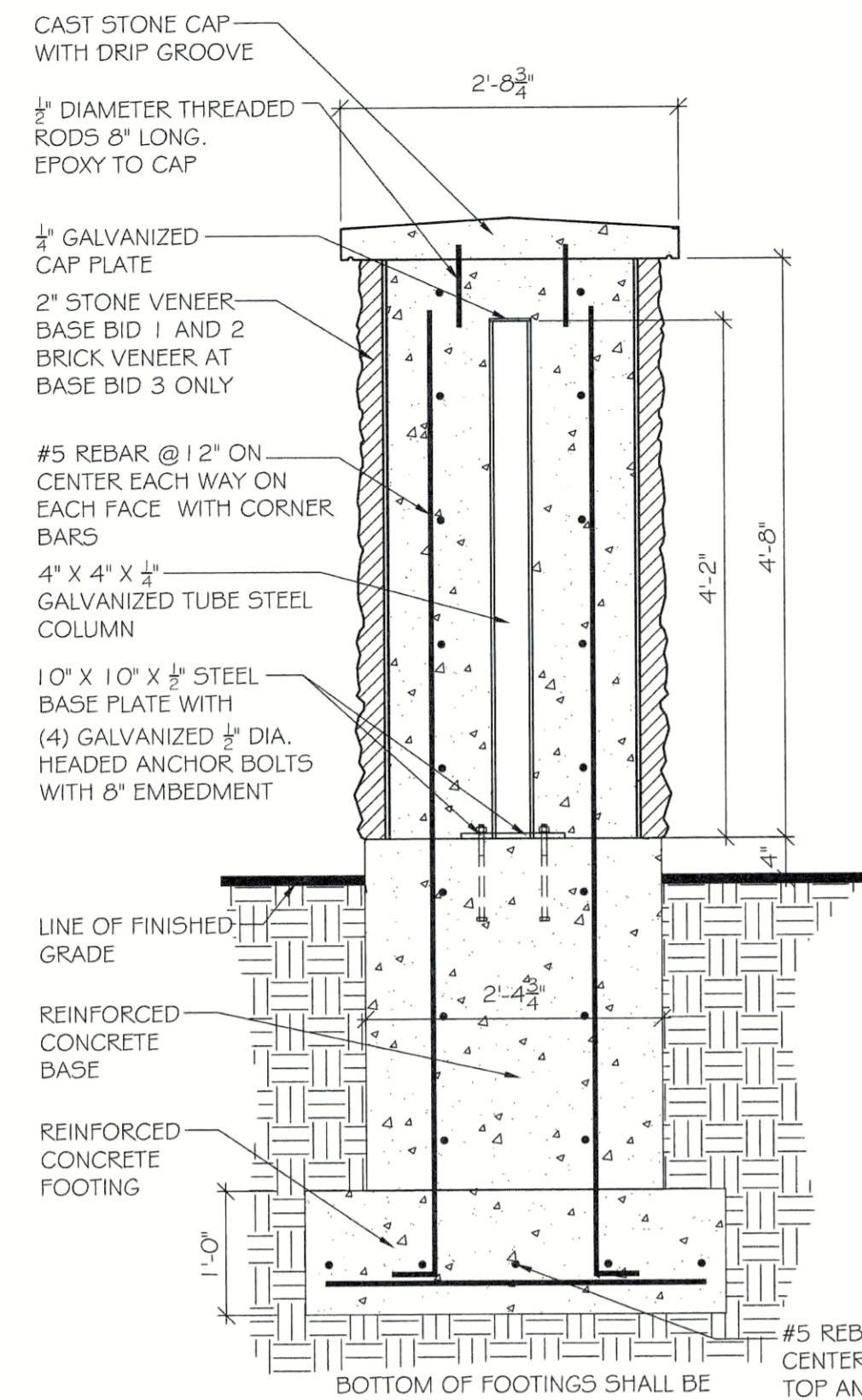
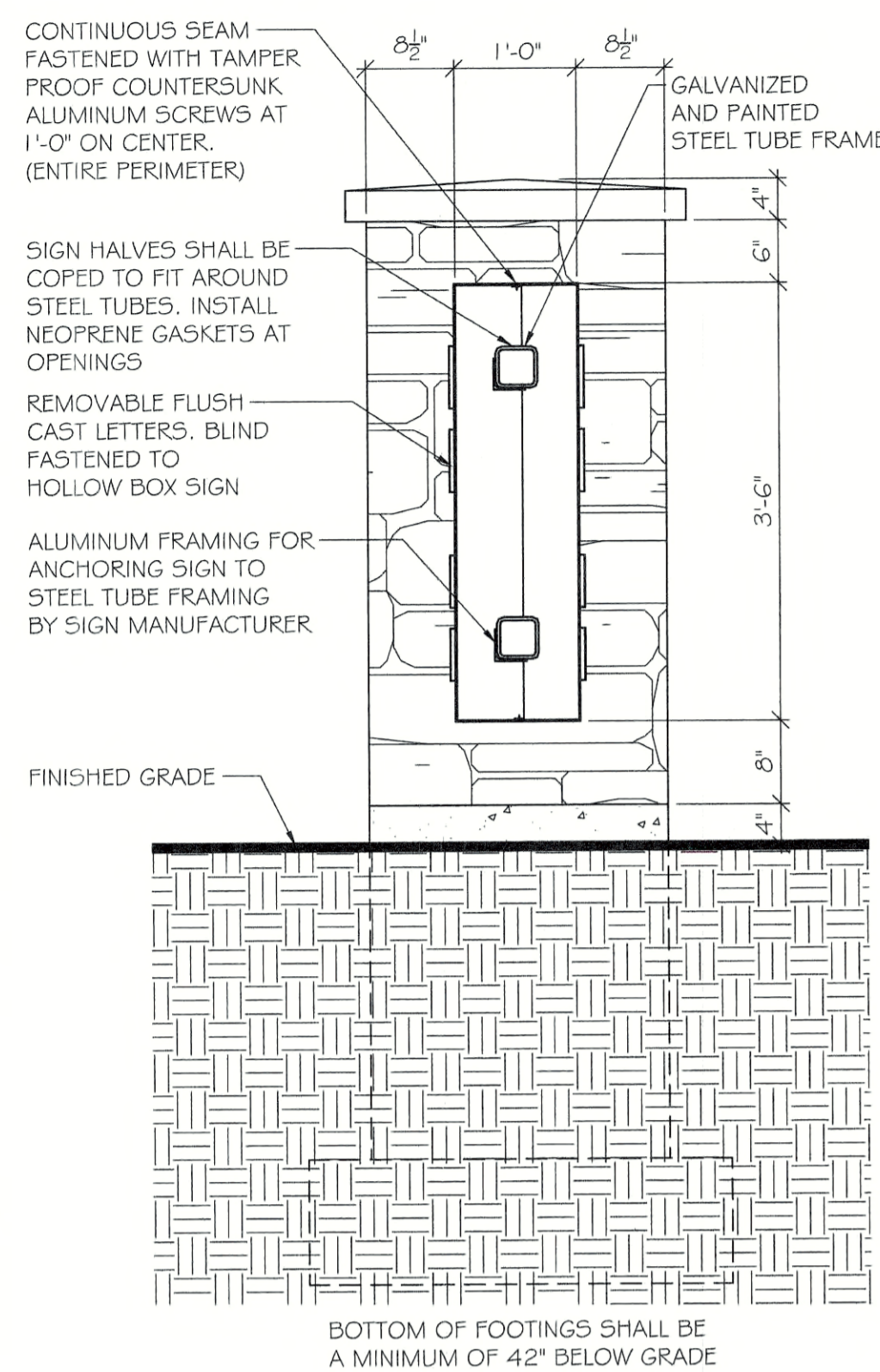


**GOOSE/DUCK COUNTERTOP SECTION**  
SCALE: 3/4" = 1'-0"

**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

**AUSTIN D. KIEFFER**  
REGISTERED PROFESSIONAL ENGINEER  
P.E. No. 1000000000



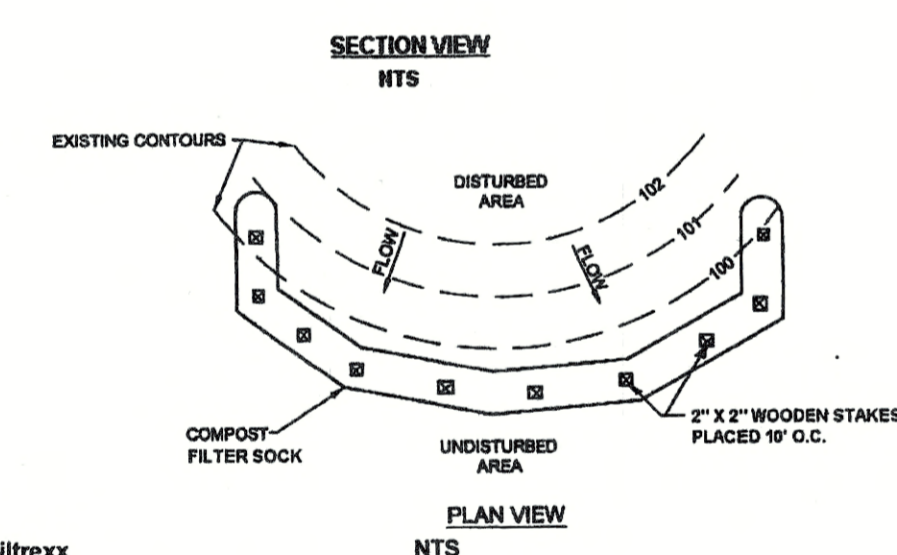
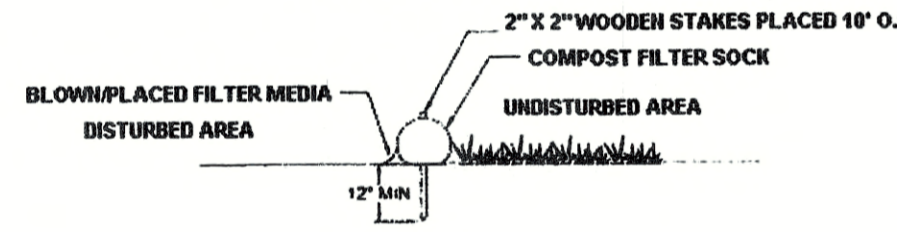
4 MONUMENT SIGN SECTION  
SCALE: 3/4" = 1'-0"

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"

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



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)
	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
<b>Sock Diameters</b>	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
<b>Mesh Opening</b>	3/8"	3/8"	3/8"	3/8"	1/8"
<b>Tensile Strength</b>		26 psi	26 psi	44 psi	202 psi
<b>Ultraviolet Stability % Original Strength (ASTM G-155)</b>	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
<b>Minimum Functional Longevity</b>	6 months	9 months	6 months	1 year	2 years
<b>Two-ply systems</b>					
<b>Inner Containment Netting</b>	HDPE biaxial net				
	Continuously wound Fusion-welded junctures				
<b>Outer Filtration Mesh</b>	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				
<b>Sock fabrics composed of burlap may be used on projects lasting 6 months or less.</b>					

Filtrex & JMD

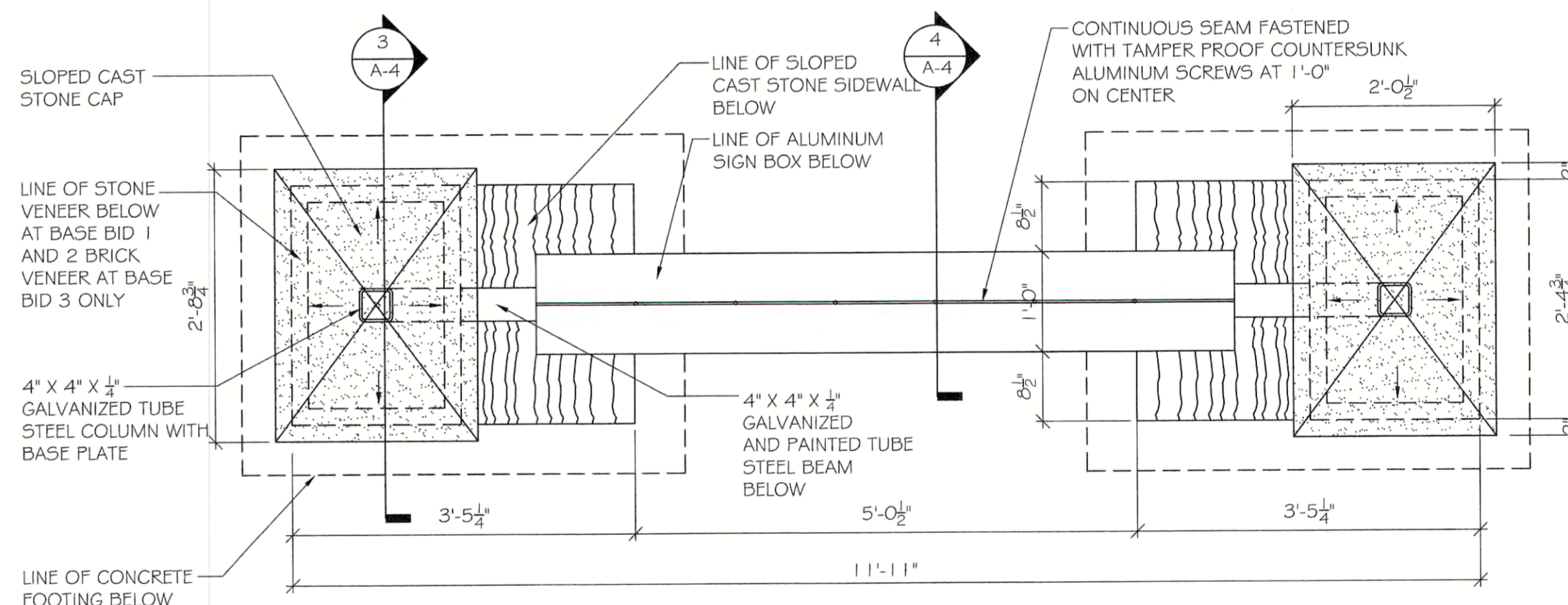
Compost should be a well decomposed, weed-free organic matter derived from agriculture, food, stump grindings, and yard or wood/bark organic matter sources. The compost should be aerobically composted. The compost should possess no objectionable odors and should be reasonably free (<1% by dry weight) 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

Filtrex

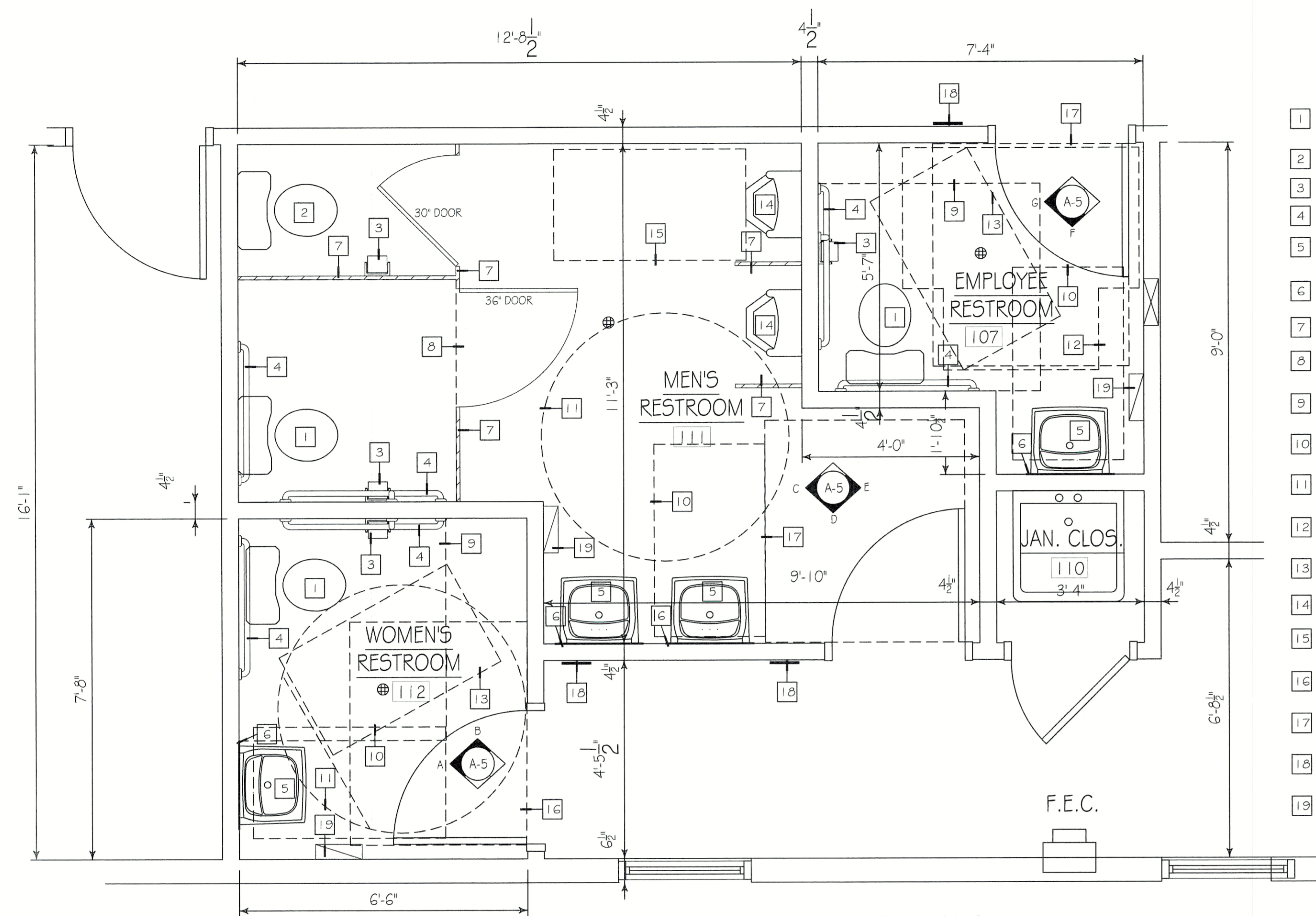


5 MONUMENT SIGN PLAN  
SCALE: 3/4" = 1'-0"



**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
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▲	DATE:	2/27/2023
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**TOILET ROOM FIXTURES, ACCESSORIES, AND CLEARANCES**

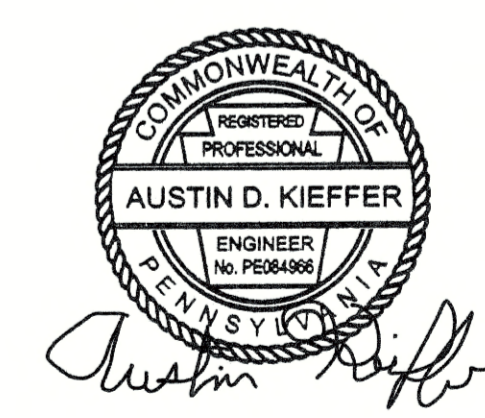
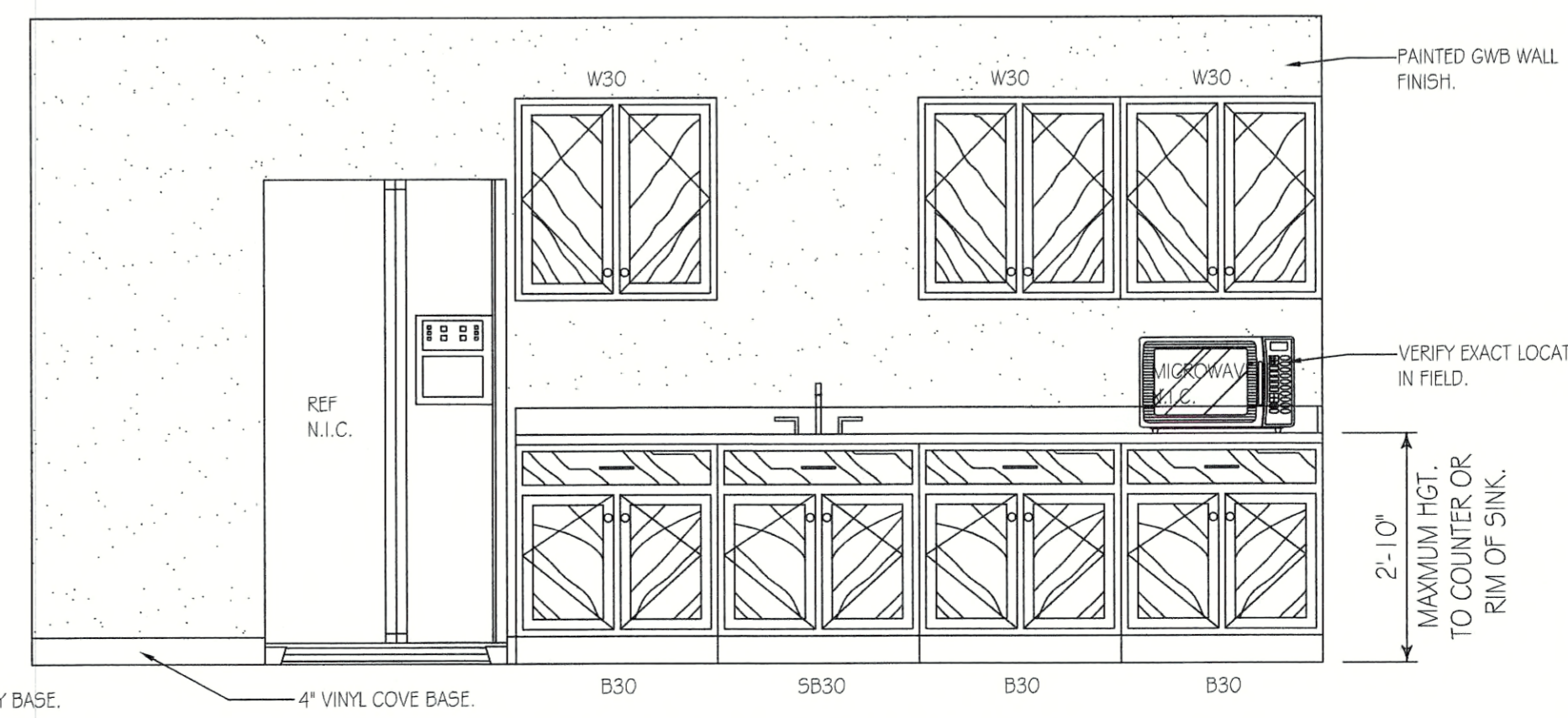
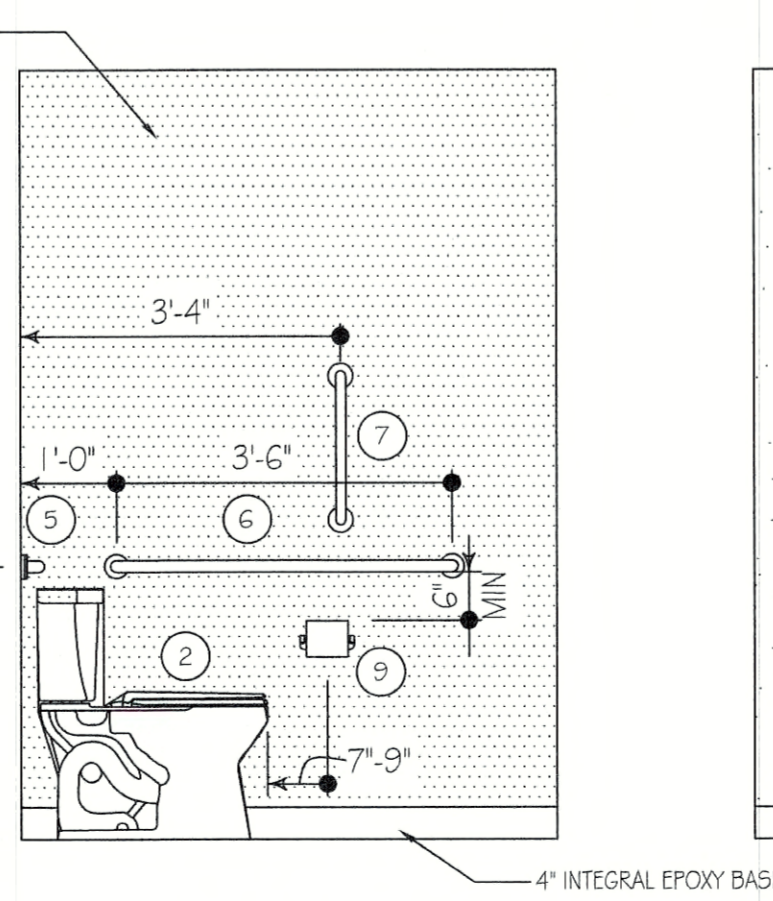
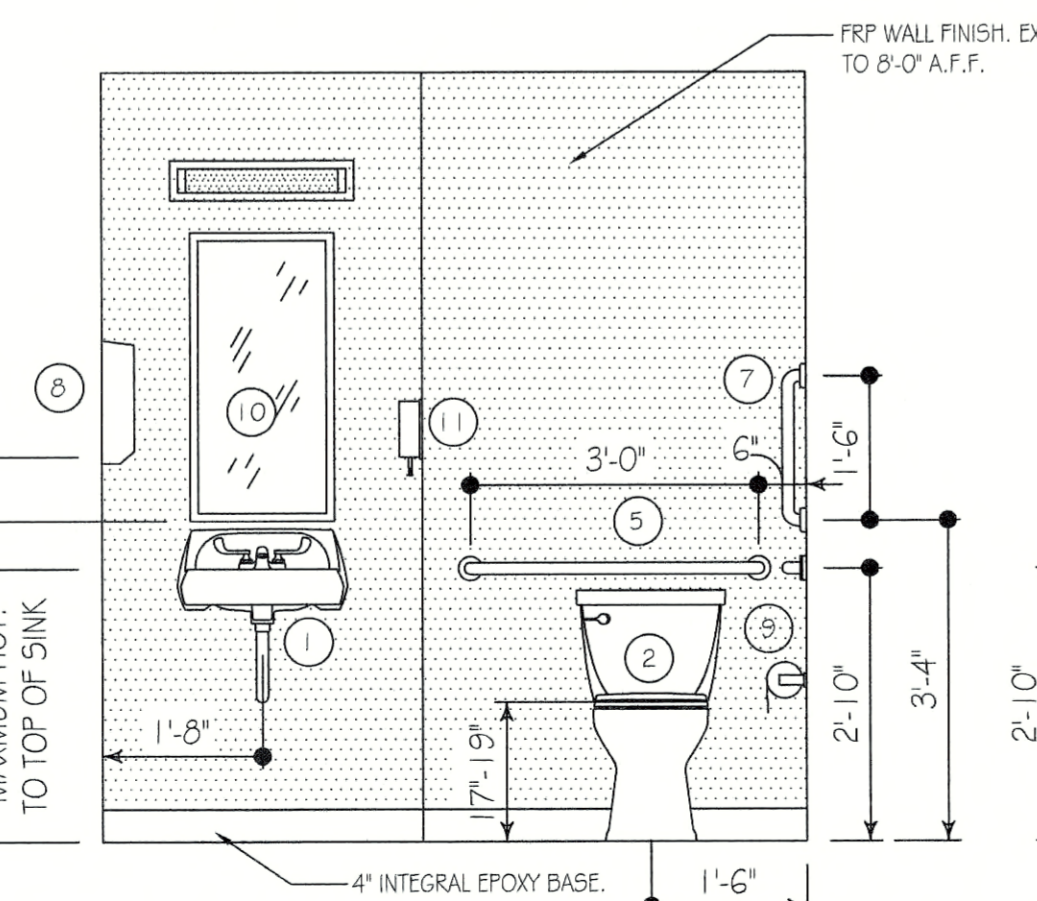
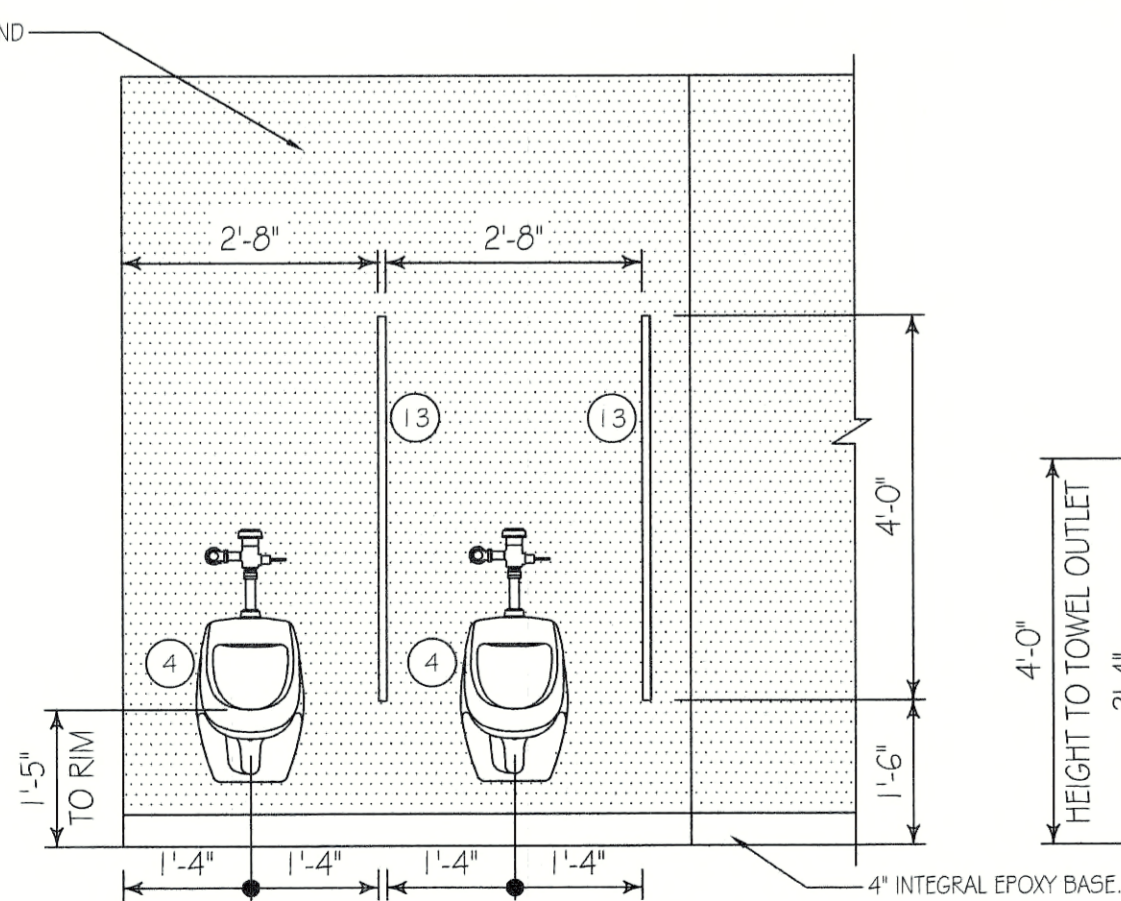
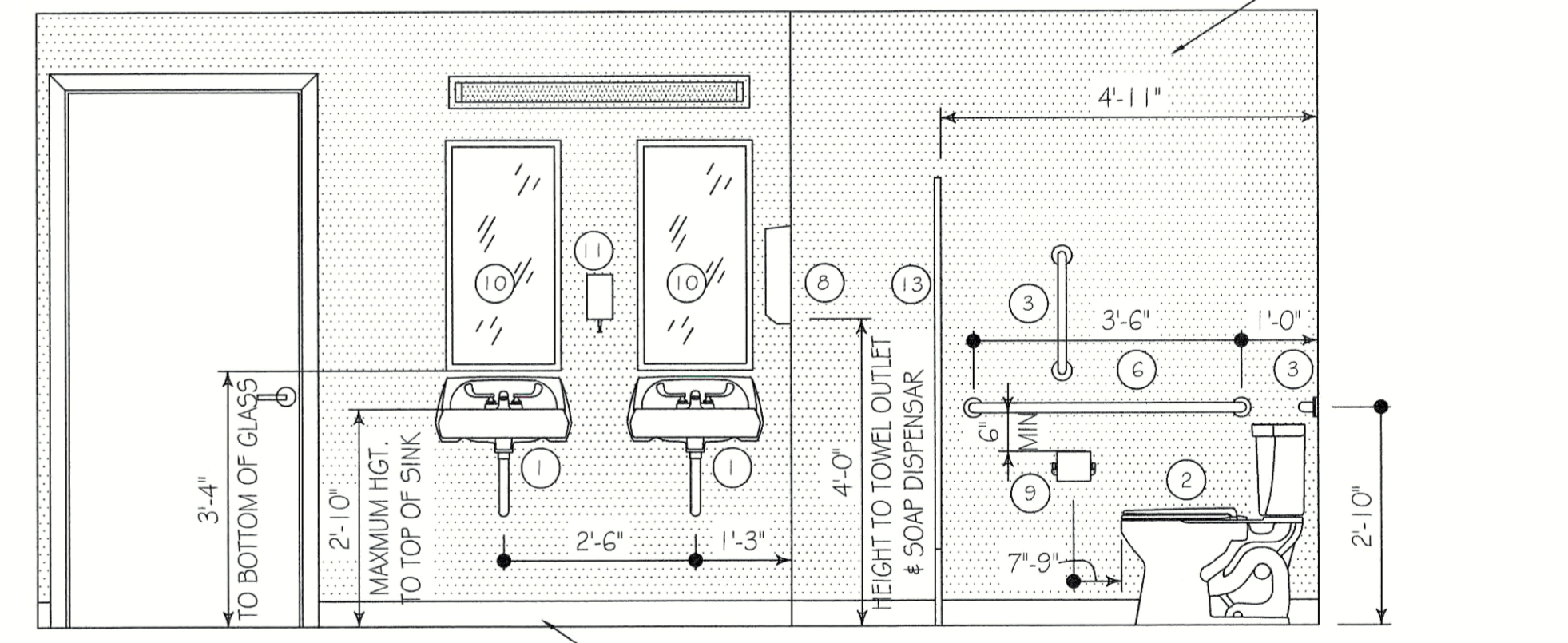
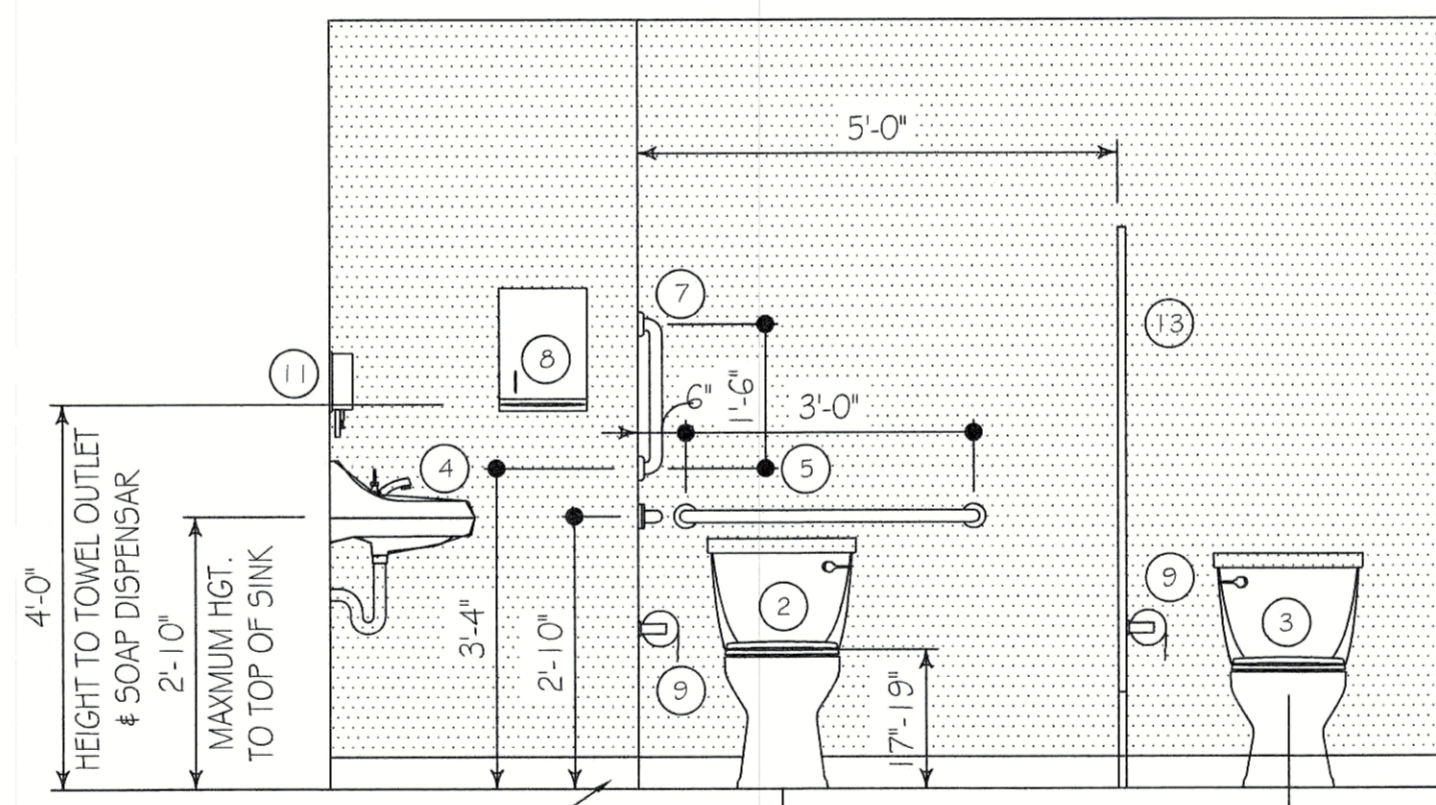
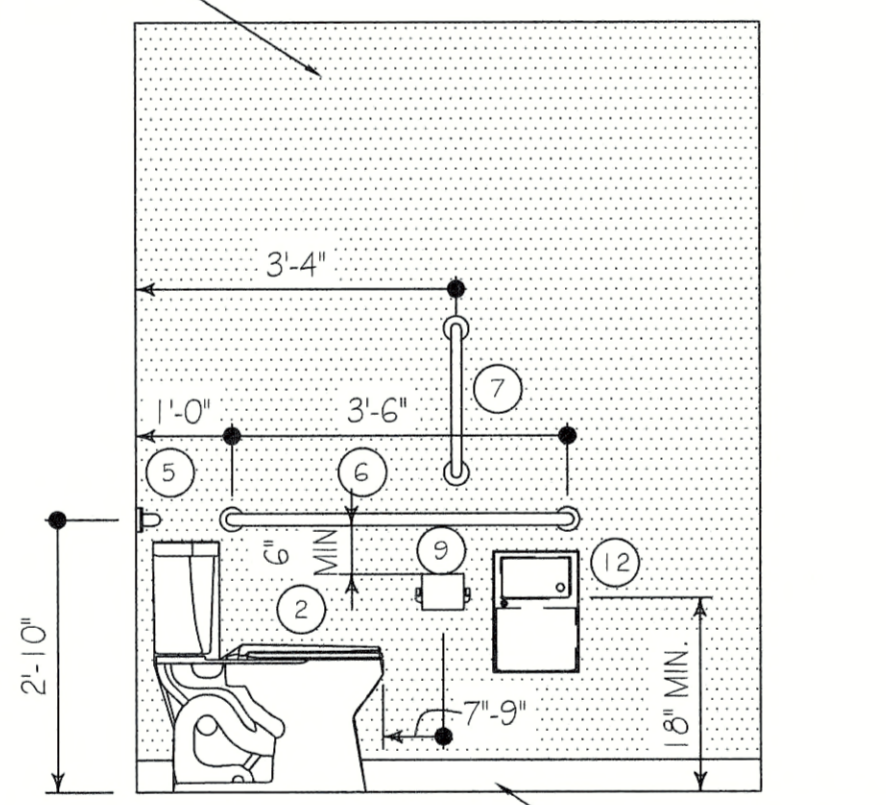
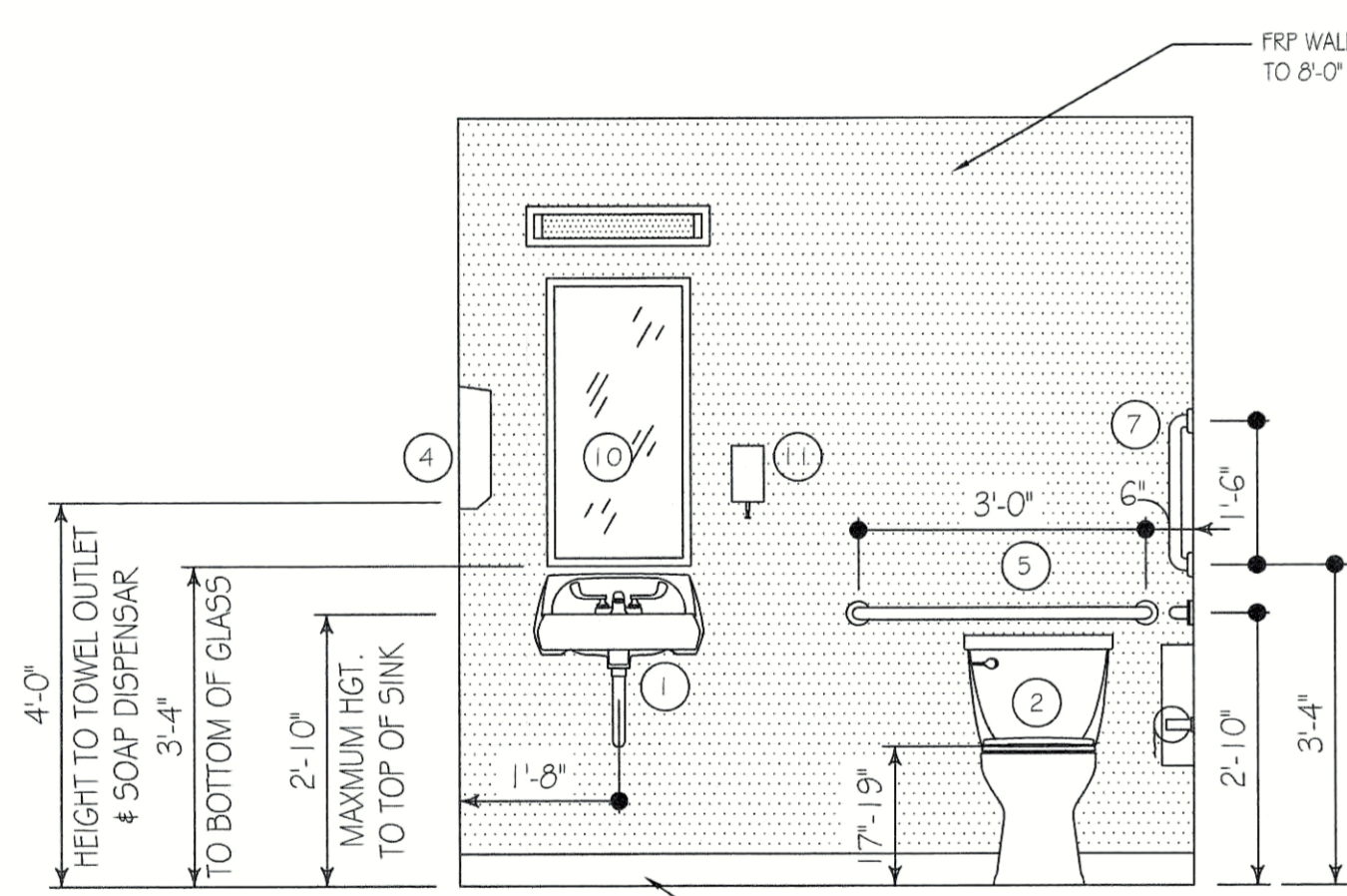
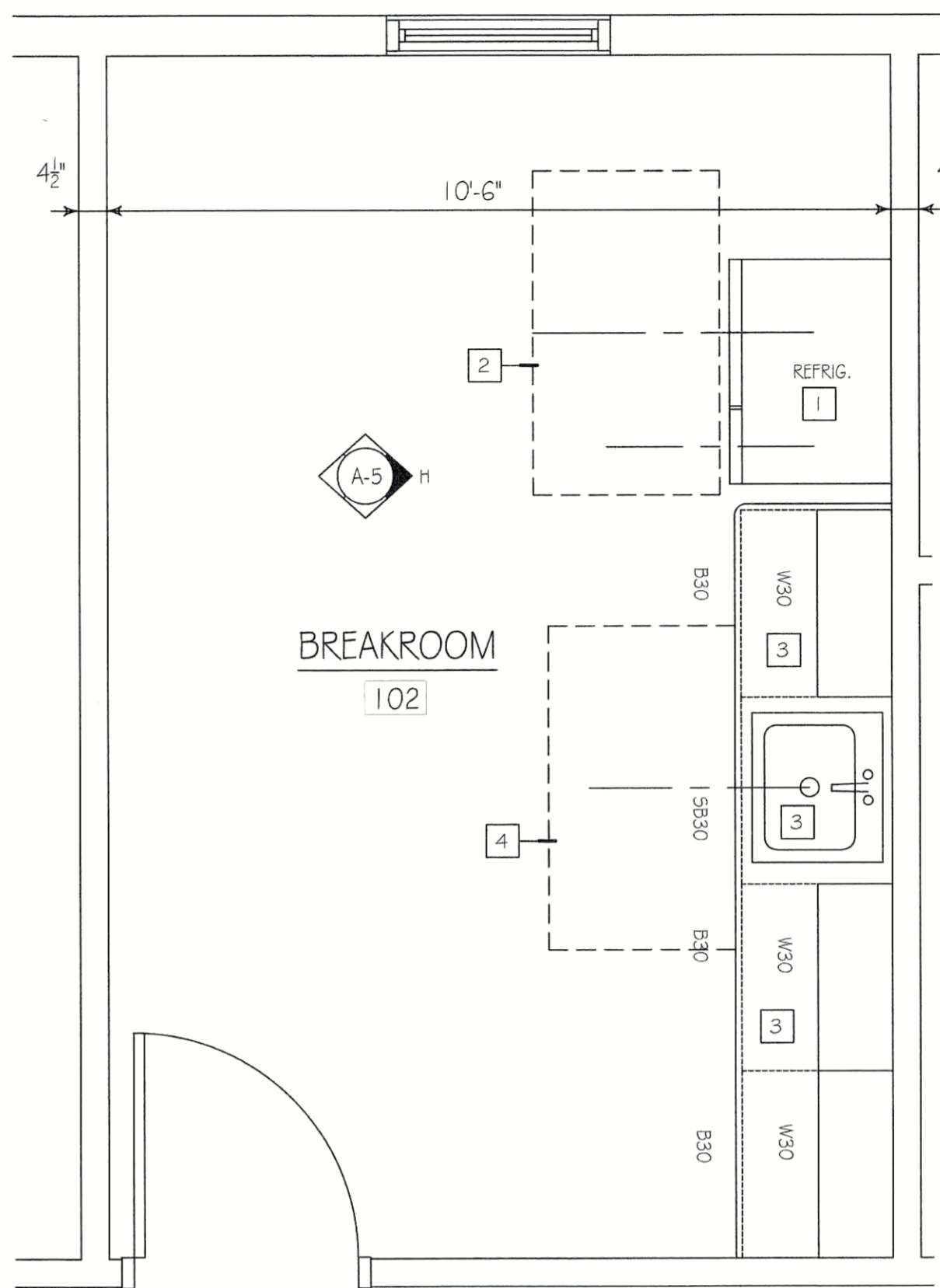
- 1 NEW HANDICAP ACCESSIBLE ELONGATED TOILET FLOOR MOUNTED WITH OPEN-FRONT SEAT AND MANUAL FLUSH VALVE.
- 2 NEW STANDARD TOILET FLOOR MOUNTED WITH OPEN-FRONT SEAT AND MANUAL FLUSH VALVE.
- 3 NEW SINGLE ROLL TOILET PAPER DISPENSER.
- 4 PROVIDE (3) SATIN S.S. GRAB BARS W/ CONCEALED FLANGE. (1) @ 18", (1)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

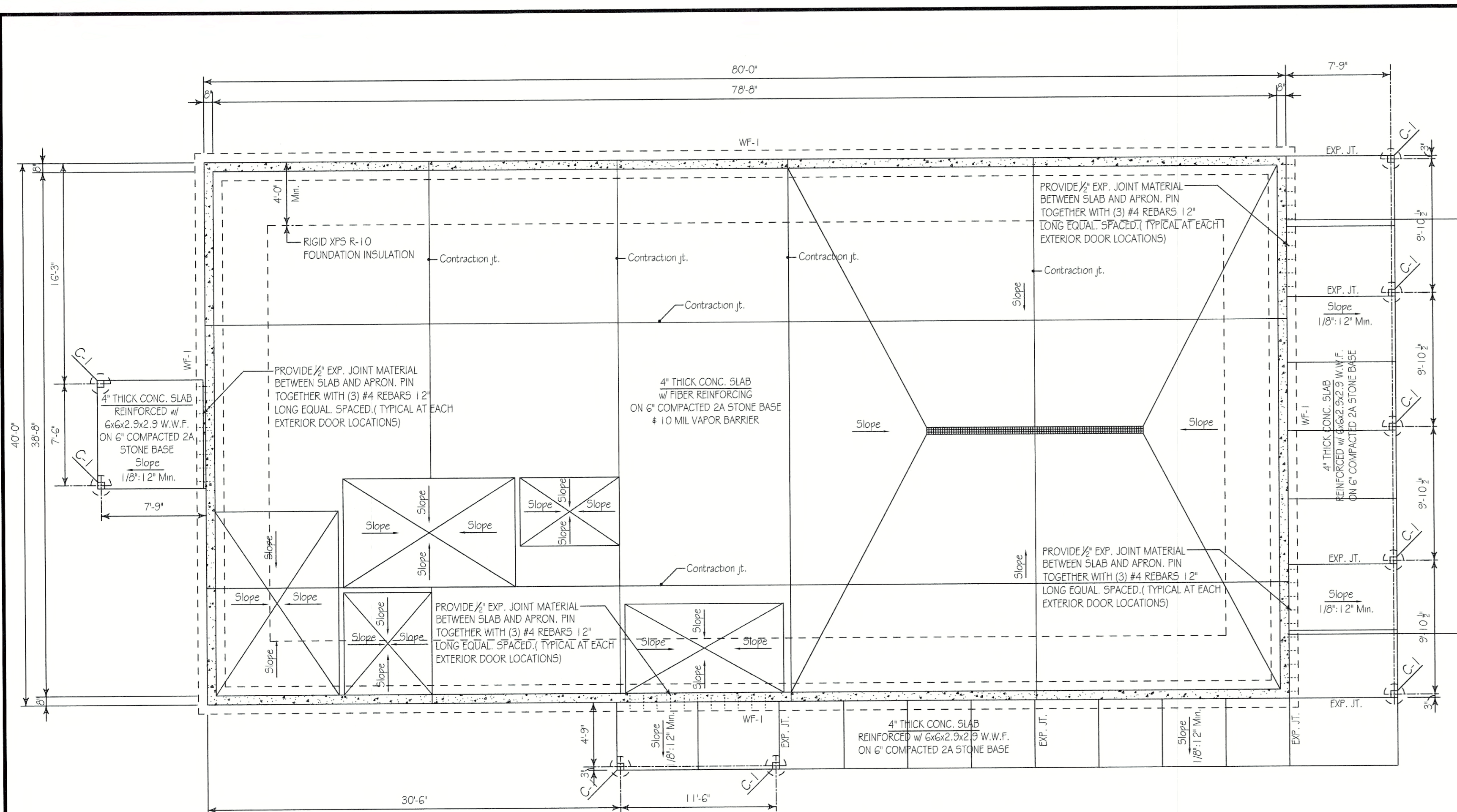
- 1 REFRIGERATOR/FREEZER BY OWNER IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 604.5.6.
- 2 30" WIDE x 52" LONG, ACCESS TO SIDE-BY-SIDE REFRIGERATOR/FREEZER IN ACCORDANCE W/ ICCANSI A117.1-2017 SECTION 605 AND FIGURE C804.5.6 (c)
- 3 KITCHEN CABINETS AND COUNTERTOP COMPLETE WITH SINK WITH A MAXIMUM HEIGHT 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**

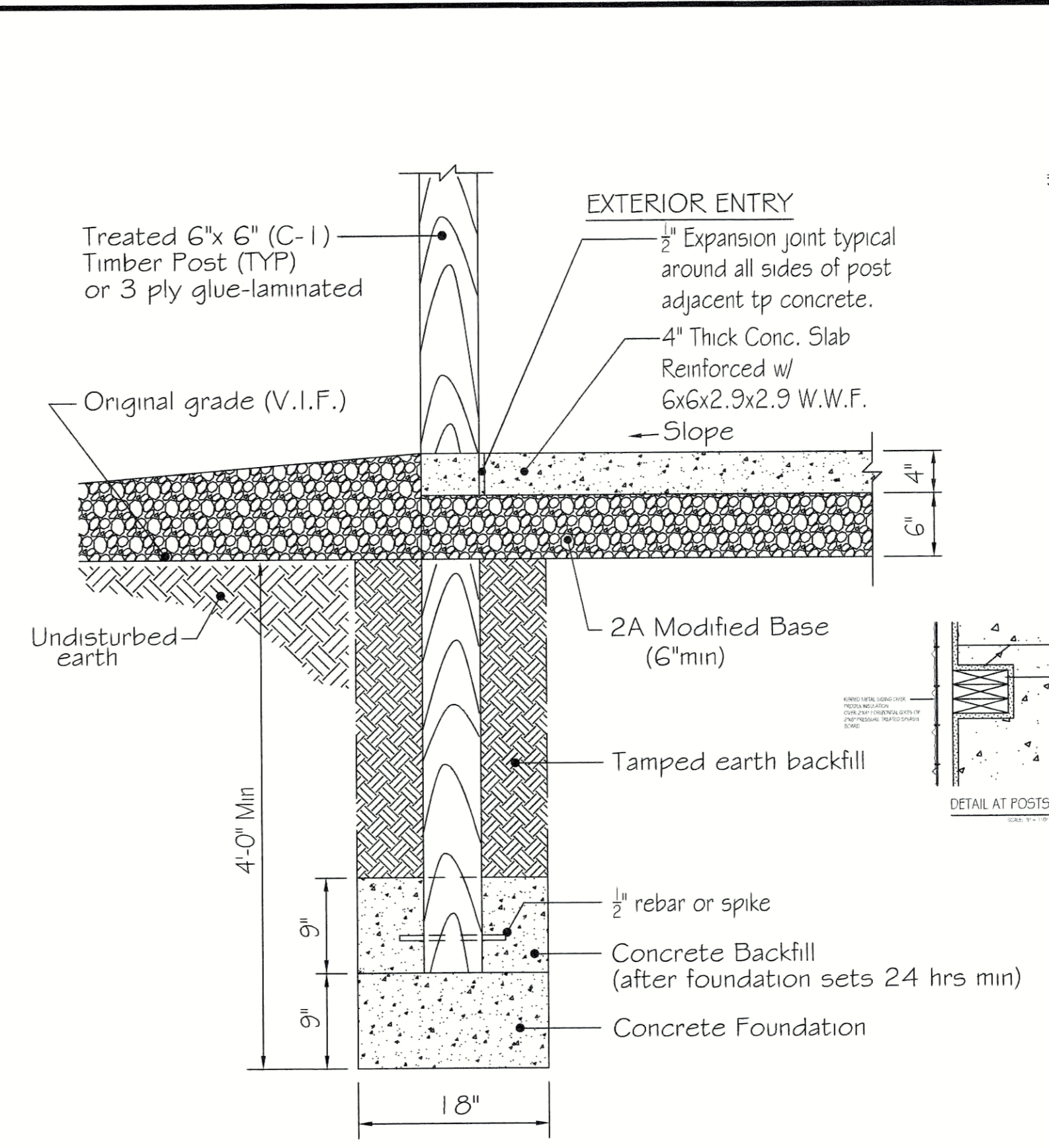
- |    |                                     |                    |
|----|-------------------------------------|--------------------|
| 1  | SINK (W/FAUCET)                     | SEE SPECIFICATIONS |
| 2  | ADA FLOOR MOUNTED WATER CLOSET      | SEE SPECIFICATIONS |
| 3  | FLOOR MOUNTED STANDARD WATER 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 |



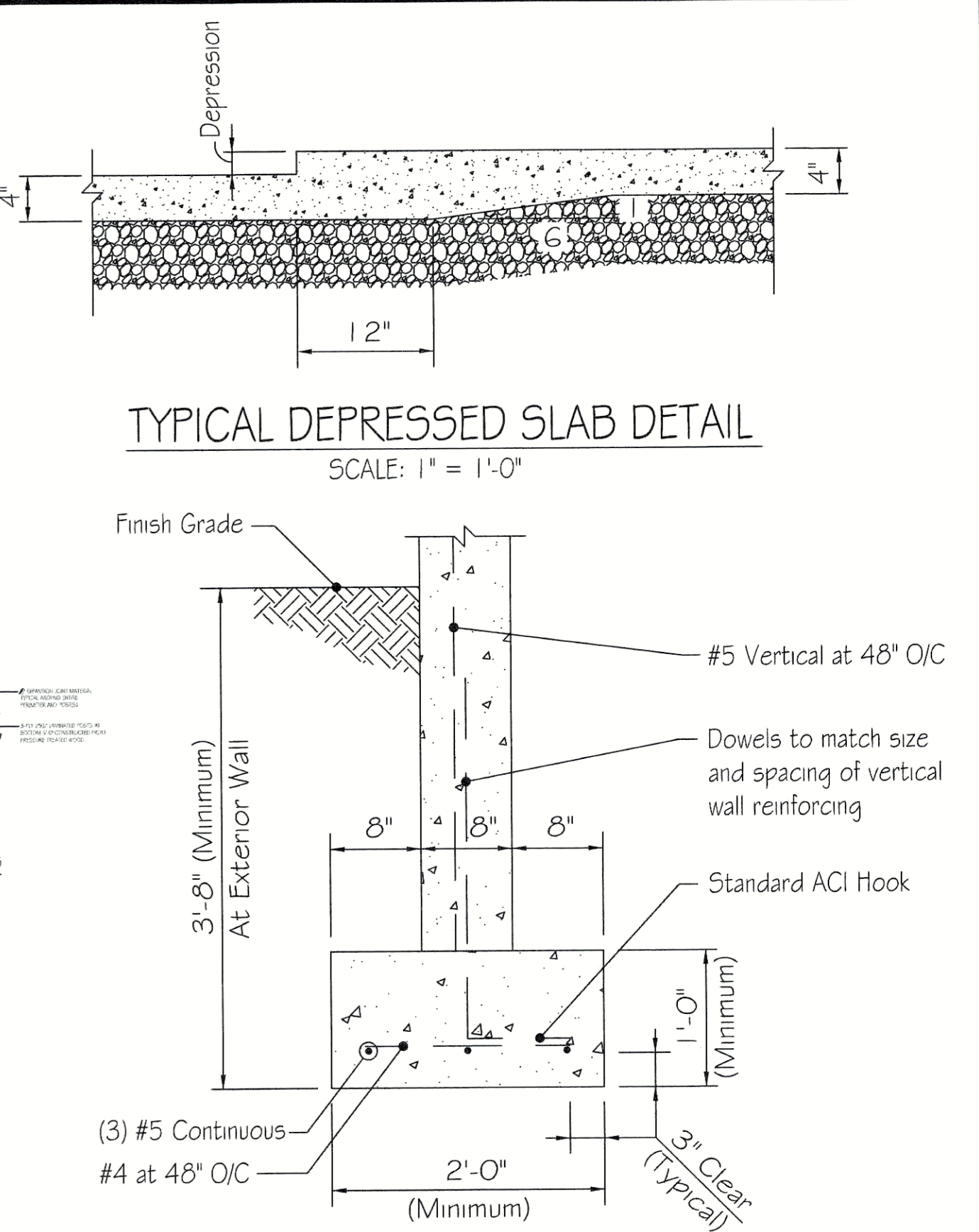
<b>PENNSYLVANIA GAME COMMISSION</b>		
STATE GAME LANDS #214   NORTH SHENANGO TWP.   CRAWFORD CO.		
NEW 40' x 80' WATERFOWL CHECK BUILDING		
ENLARGED PLANS & ELEVATIONS		
REVISIONS	PROJECT NO.	PGC-214-21-02
	DRAWN BY:	CLOUSER/SPOTTS
	DATE:	2/27/2023
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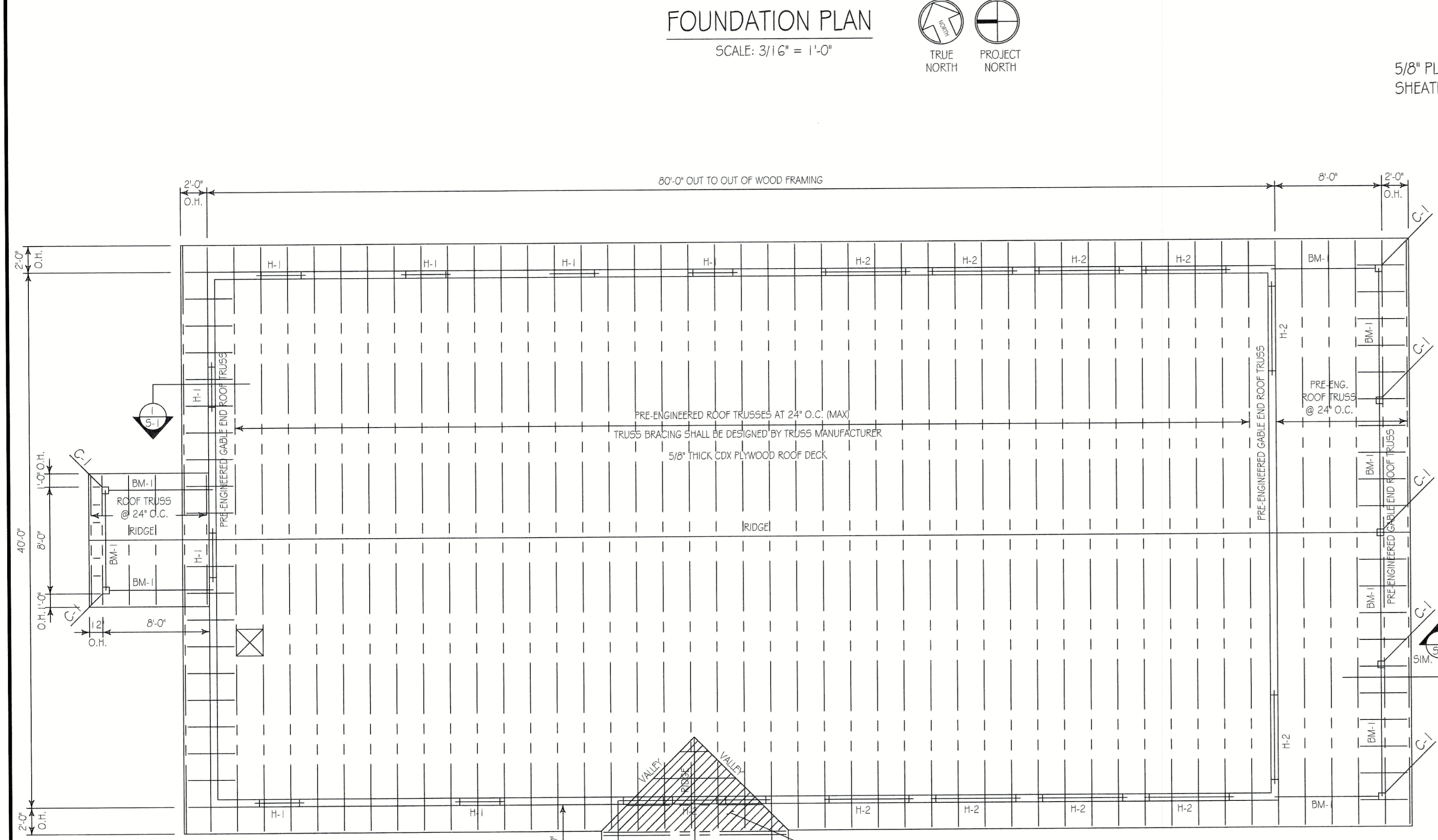
**FOUNDATION PLAN**  
SCALE: 3/16" = 1'-0"  
TRUE NORTH PROJECT NORTH



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

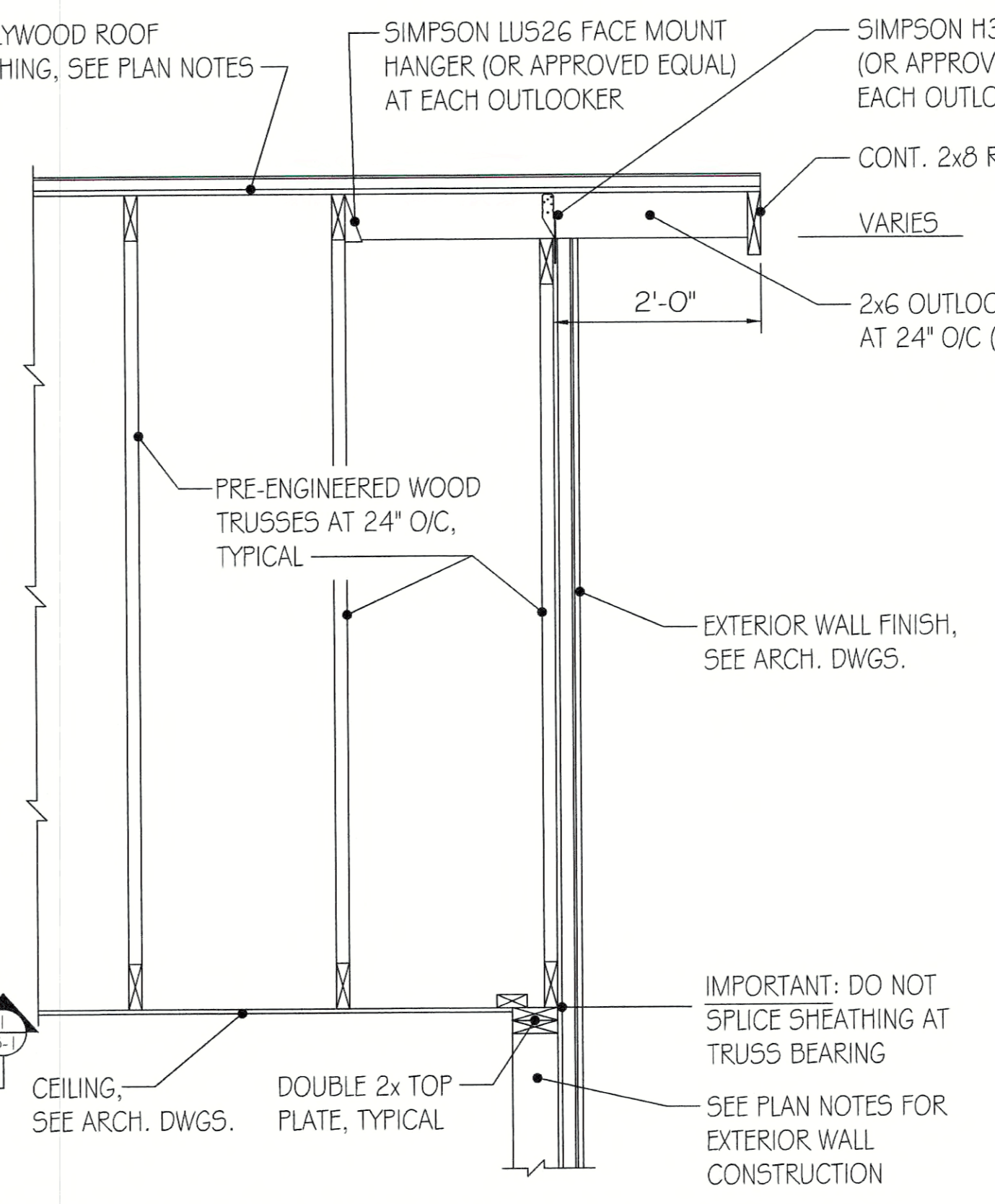


**TYPICAL WALL FOOTING DETAIL (WF-1)**  
SCALE: 1" = 1'-0"

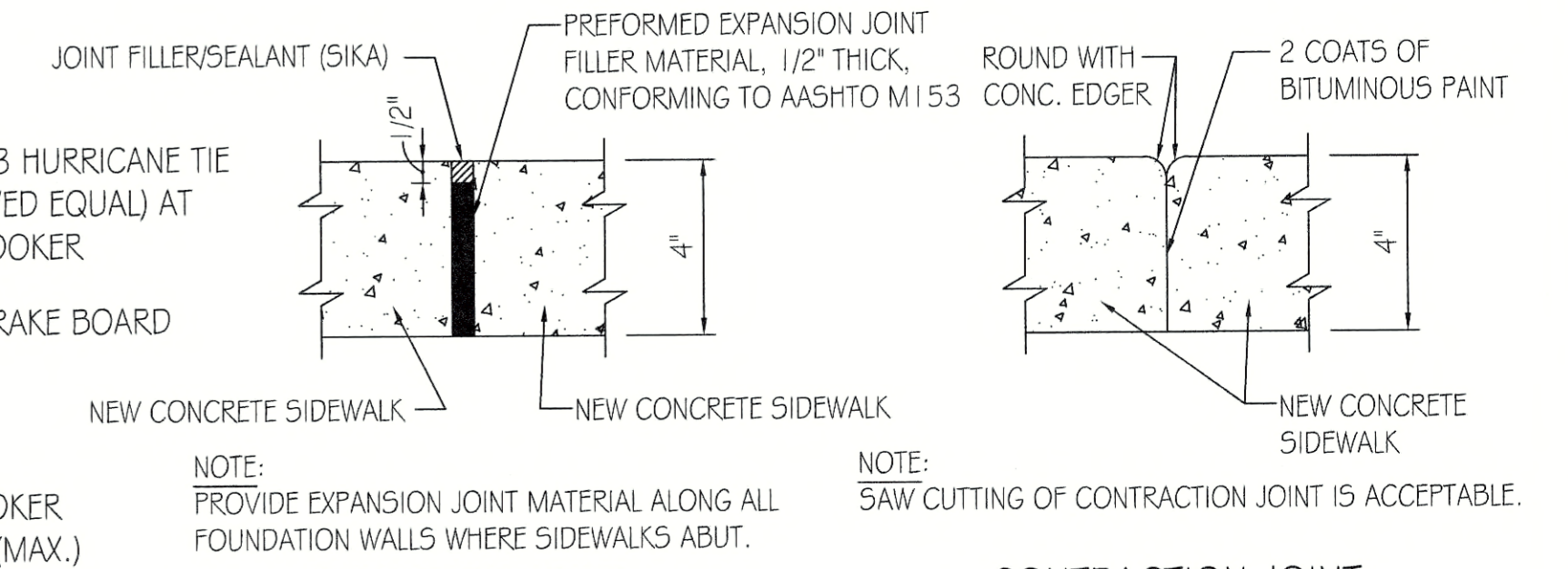


**ROOF FRAMING PLAN**  
SCALE: 3/16" = 1'-0"  
TRUE NORTH PROJECT NORTH

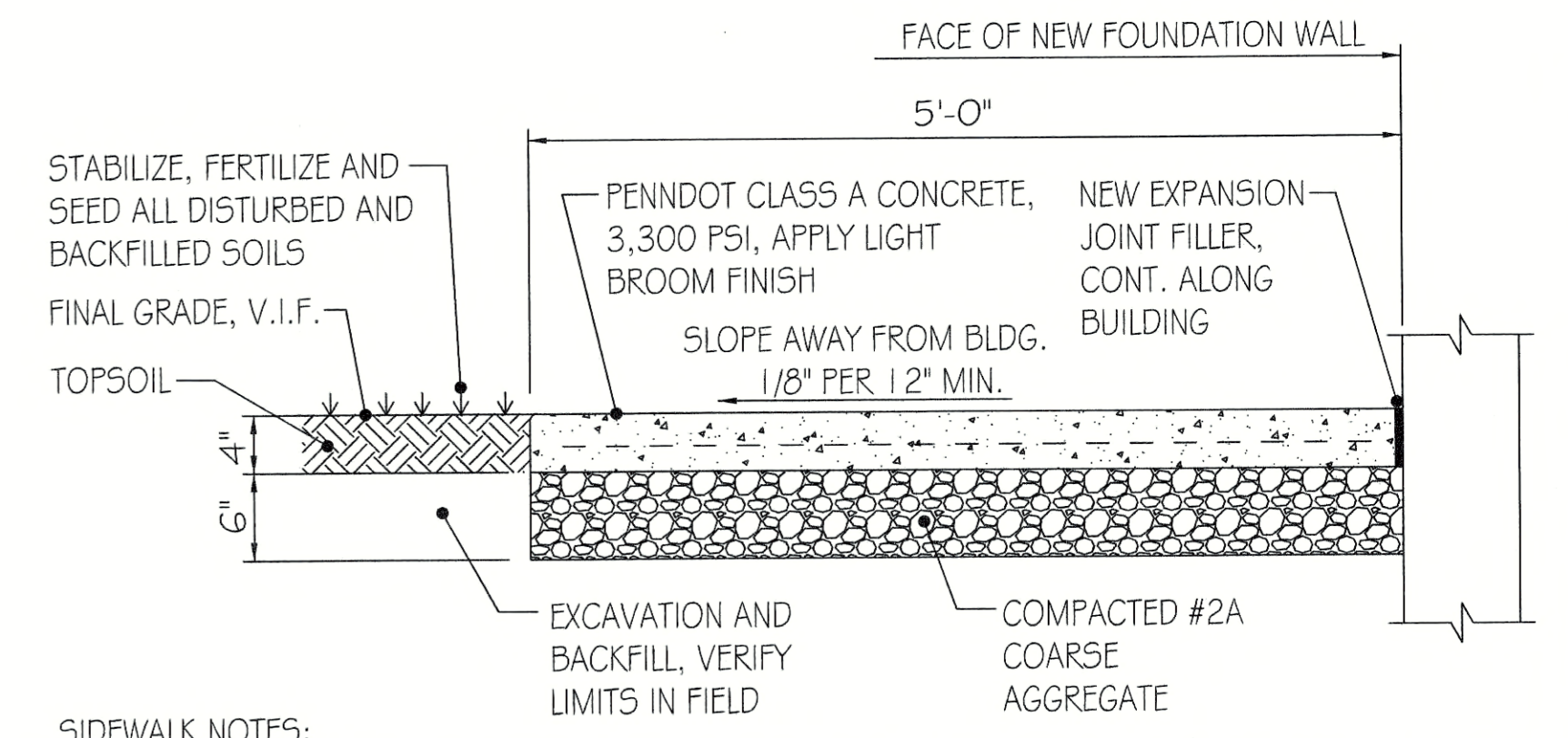
MARK	SIZE	REMARKS
C-1	6"x6" GLUE LAM POST	w/ TREATED BOTTOMS
BM-1	5 1/4" x 7 1/4" LVL 2.0E	3" BEARING MIN. EA. END
BM-2	5 1/4" x 9 1/4" LVL 2.0E	3" BEARING MIN. EA. END
H-1	5 1/4" x 7 1/4" LVL 2.0E	3" BEARING MIN. EA. END
H-2	5 1/4" x 9 1/4" LVL 2.0E	3" BEARING MIN. EA. END



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



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



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



**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 - 060-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).



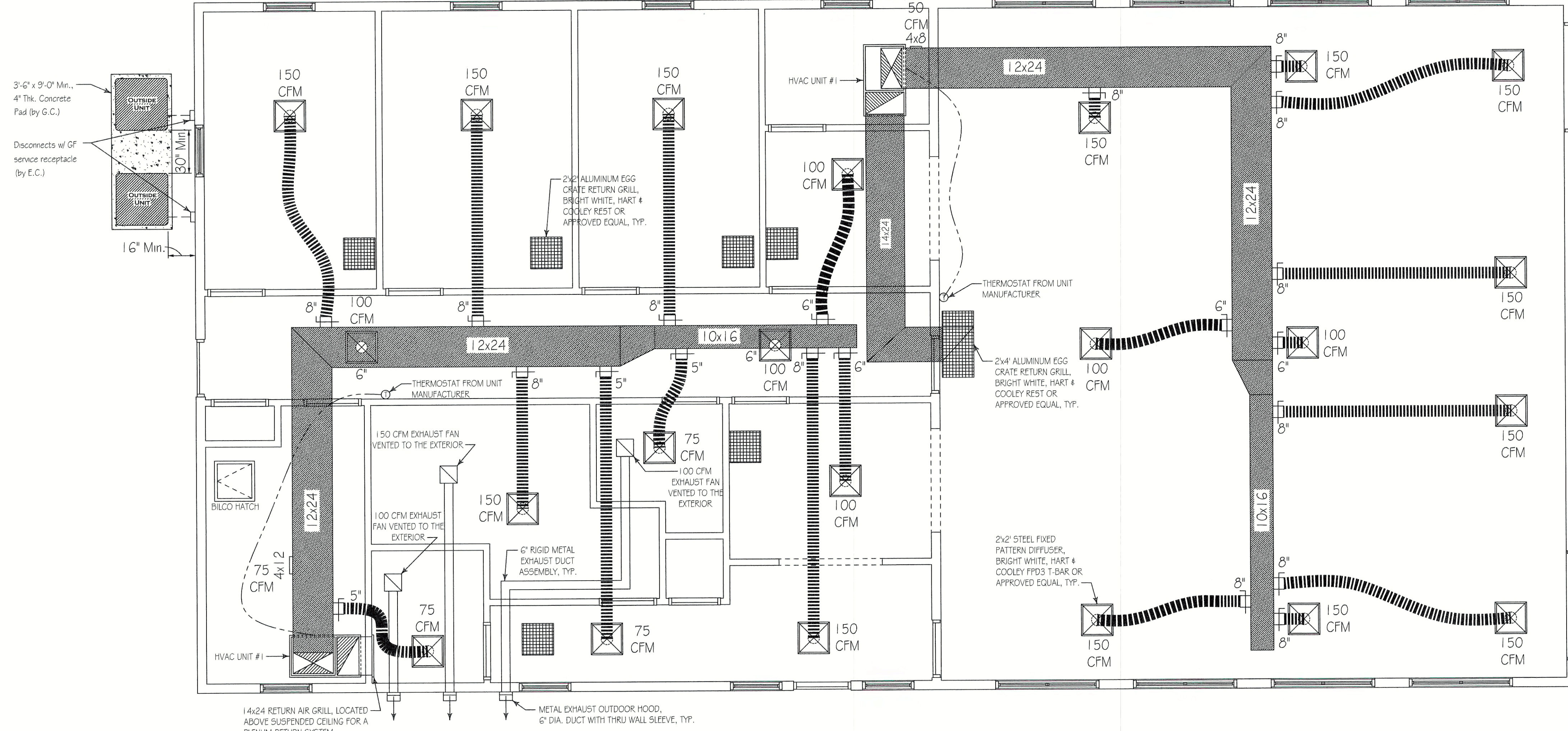
- Product Specifications**
- 5 Inch Touch Screen E54 x 460 Panel
  - Supports 7 Transformer Systems (24VAC and 0V)
  - 0-100% Speed for Installation
  - 7 Aids: Tamper, CL, Y, W, W2, W2AUX, S1, H, H2H
  - 7 Data Terminal, Access Point, Emergency Free, Smart Meter, Source Heat Pump
  - W/ IR BEZEL Light Ø 2-420
  - 5 Year Limited Warranty

<b>Thermostat Model:</b> Bosch Connected Control BCE500 Thermostat	<b>Part Number:</b> T-733-044-000
<b>Thermostat Spare Parts:</b> Wall Plate, Screws, Spacers & Wall Anchors, Mount Cable	<b>Part Number:</b> 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 <sub>2</sub>	HSPF	NET FPM COOLING CAPACITY (BTU/H)	NET FPM HEATING CAPACITY (BTU/H)	CFM	
2 Ton	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2300	12.5	18	24000	9.5	17000	2000/8
	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2300	12.5	18	24000	9.5	17000	800/80
	BOVA-36HDL1M18M	BMAC2400NTD	BGH9G100C5B	2400	12.5	18	24000	9.5	17000	800/80
3 Ton	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3300	10.5	18.5	34000	9	22000	1000/80
	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3300	10.5	18.5	34000	9	22000	1000/80
	BOVA-36HDL1M18M	BMAC3060ANTD	BGH9G100C5B	3800	10.6	18.5	34000	9	22000	1070/80
4 Ton	BOVA-36HDL1M18M	BMAC3600ANTD	BGH9G100C5B	4300	10.6	18.5	44000	9	29000	1250/80
	BOVA-36HDL1M18M	BMAC3600ANTD	BGH9G100C5B	4300	10.6	18.5	44000	9	29000	1250/80
	BOVA-36HDL1M18M	BMAC3600ANTD	BGH9G100C5B	4800	11.2	18	47000	9	32000	1450/1150
5 Ton	BOVA-36HDL1M18M	BMAC4200ANTD	BGH9G100C5B	5300	10.6	18.5	54000	9.5	35000	1500/1200
	BOVA-36HDL1M18M	BMAC4200ANTD	BGH9G100C5B	5300	10.6	18.5	54000	9.5	35000	1500/1200
	BOVA-36HDL1M18M	BMAC4800NTF	BGH9G100C5A	5300	10.7	18.5	55000	9.5	37000	1500/1200

BOVA96 + CASED COIL + 96% FURNACE AHRI 210/240 PERFORMANCE DATA										
SYSTEM	OUTDOOR UNIT	CASED COIL	FURNACE MODEL	SEER	SEER <sub>2</sub>	HSPF	NET FPM COOLING CAPACITY (BTU/H)	NET FPM HEATING 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
3 Ton	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3400	11.5	19	34000	10	19000	840/80
	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3400	11.5	19	34000	10	19000	840/80
	BOVA-36HDL1M20G	BMAC3060ANTD	BGH9G100C5A	3200	11.2	17	34000	10	20000	1000/80
4 Ton	BOVA-36HDL1M20G	BMAC3600ANTD	BGH9G100C5A	4400	11.6	17.5	44000	10	25000	1100/80
	BOVA-36HDL1M20G	BMAC3600ANTD	BGH9G100C5A	4400	11.6	17.5	44000	10	25000	1100/80
	BOVA-36HDL1M20G	BMAC3600ANTD	BGH9G100C5A	3900	12	18	44000	10	25000	1150/750
5 Ton	BOVA-36HDL1M20G	BMAC4200ANTD	BGH9G100C5A	5400	12.5	18.5	54000	10	26000	1100/80
	BOVA-36HDL1M20G	BMAC4200ANTD	BGH9G100C5A	5400	12.5	18.5	54000	10	26000	1100/80
	BOVA-36HDL1M20G	BMAC4800NTF	BGH9G100C5A	5400	11.2	18	55000	9.5	34000	1250/1050



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



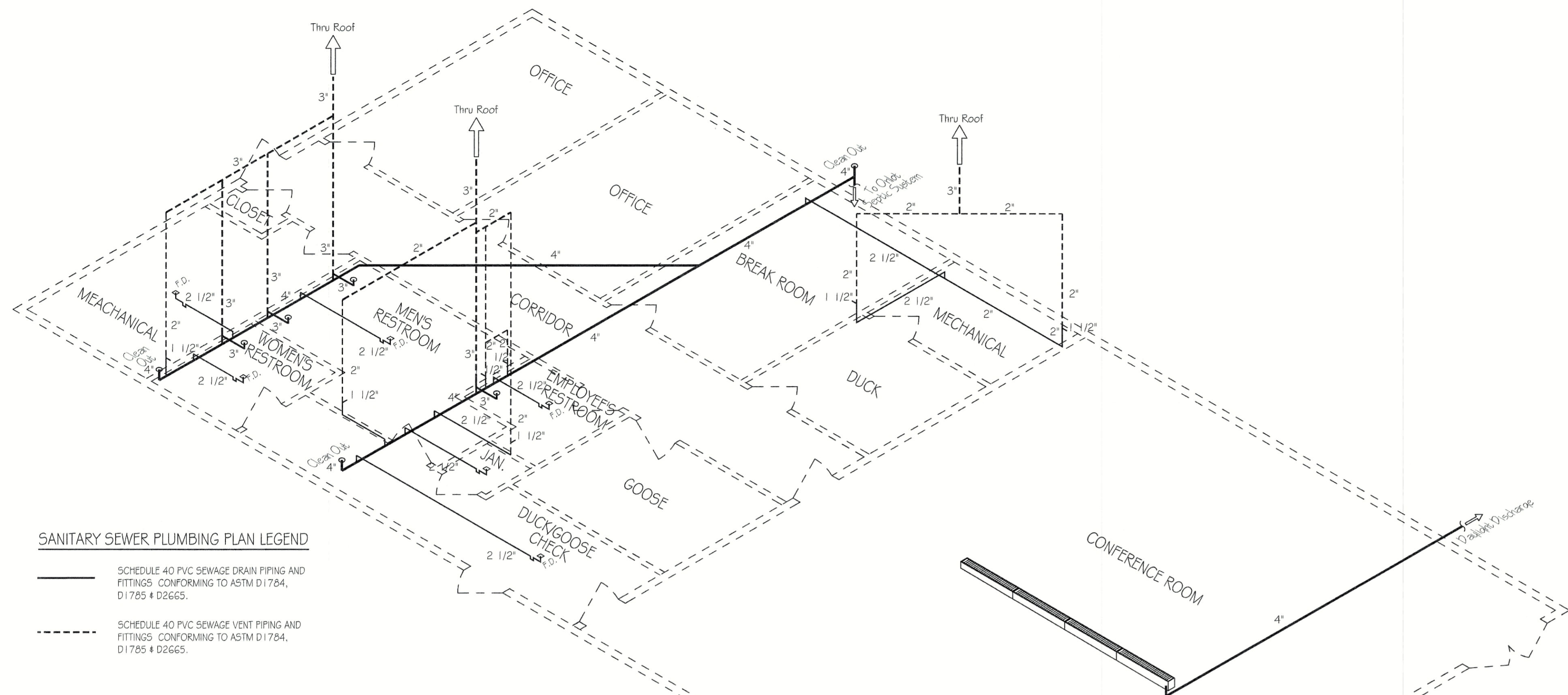
**System & Technical Information**

<b>Model</b>	BGH9G100C5B
<b>SEER</b>	12.5
<b>HSPF</b>	18
<b>Part Number</b>	T-733-044-000
<b>Manufacturer</b>	Bosch
<b>Capacity</b>	24000 BTU/H
<b>Input</b>	60000 BTU/H
<b>Output</b>	37000 BTU/H
<b>Power Supply</b>	110V/60Hz/1PH
<b>Max. Occurrence Protection (MOP)</b>	10
<b>Blower Motor Full Load</b>	8
<b>Circulating Blower Motor</b>	12.3/8
<b>Motor Speeds</b>	High/Mid/Low
<b>Power Input</b>	375/10%
<b>Max. Inlet Gas Pressure</b>	13
<b>Max. Inlet Gas Pressure</b>	4.5
<b>Natural Gas Working Pressure</b>	High Fire 3.5, Low Fire 3.0
<b>Propane Gas Working Pressure</b>	High Fire 5.0, Low Fire 4
<b>Number of Burners</b>	3, 4, 4, 5, 5, 6
<b>Primary Heat Exchanger Diameter</b>	1.9/4
<b>Secondary Heat Exchanger Diameter</b>	3/8
<b>Pressure Switch Factory Setting</b>	1.1
<b>Rated Switch - Resettable</b>	300
<b>Inlet High Temp Limit - Fixed</b>	150/120, 130/100, 150/120
<b>Gas Connection Size</b>	1/2
<b>Ignitor Type</b>	Hot surface
<b>Net Weight</b>	125, 141, 152, 162, 170, 174



**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

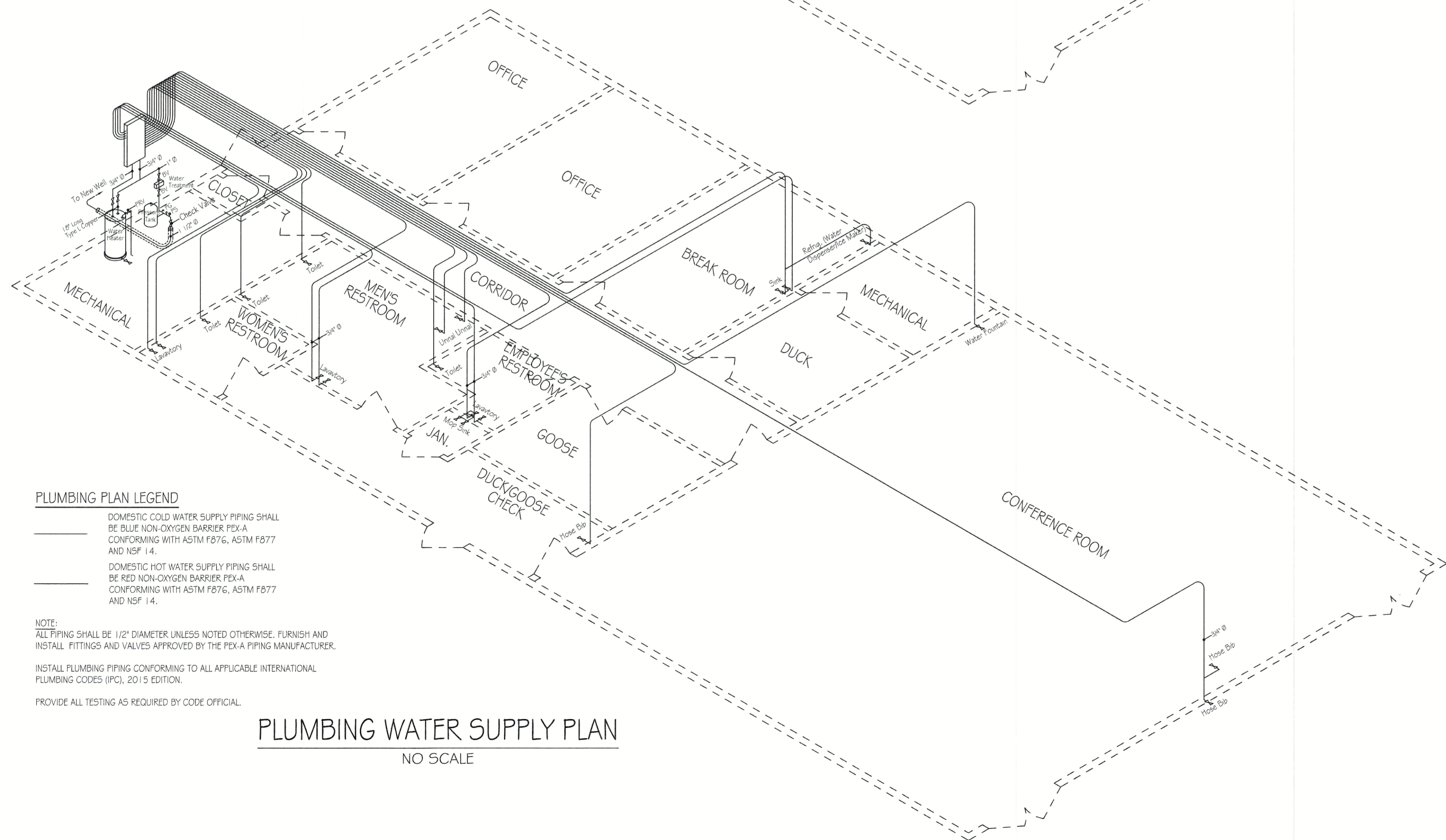


**SANITARY SEWER PLUMBING PLAN LEGEND**

— 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.

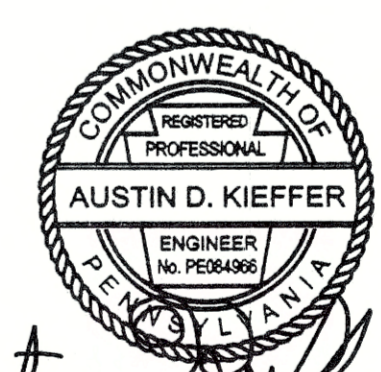
**NOTE:**  
ALL PIPING SHALL BE 1/2" DIAMETER UNLESS NOTED OTHERWISE. FURNISH AND INSTALL FITTINGS AND VALVES APPROVED BY THE PE-X-A PIPING MANUFACTURER.

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*



<b>PENNSYLVANIA GAME COMMISSION</b>		
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
2,4	2	30	HVAC Inside Air Handler Unit
5,7	2	40	HVAC Outside Unit
6,8	2	30	HVAC Inside Air Handler Unit
9,11	2	20	Well Pump
10,12	2	30	Water Heater
13,15	2	20	Septic Dose Pump
16	1	20	Septic Tank Alarm
17	1	20	Exit Lighting
18	1	20	Conference Room Lighting
19	1	20	Offices, Breakroom, Duck Lighting
20	1	20	Corridor & Mechanical Room Lighting
21	1	20	Restrooms Lighting
22	1	20	Duck/Goose Check Lighting
23	1	20	Exterior Entrances Lighting
24	1	20	Exterior Rear Lighting
25	1	20	Office Receptacles
26	1	20	Breakroom Receptacles
27	1	20	Refrigerator
28	1	20	Break Room Exhaust Fan
29	1	20	Duck & Mech. Room Receptacles
30	1	20	Conference Room East Receptacles
31	1	20	Conference Room West Receptacles
32	1	20	Goose Check Receptacles
33	1	20	Restroom Receptacles
34	1	20	Mechanical Room Receptacles
35	1	20	Restroom Exhaust Fans
36	1	20	Service Panel Receptacle
37	1	20	Exterior PGC Sign Lights
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:

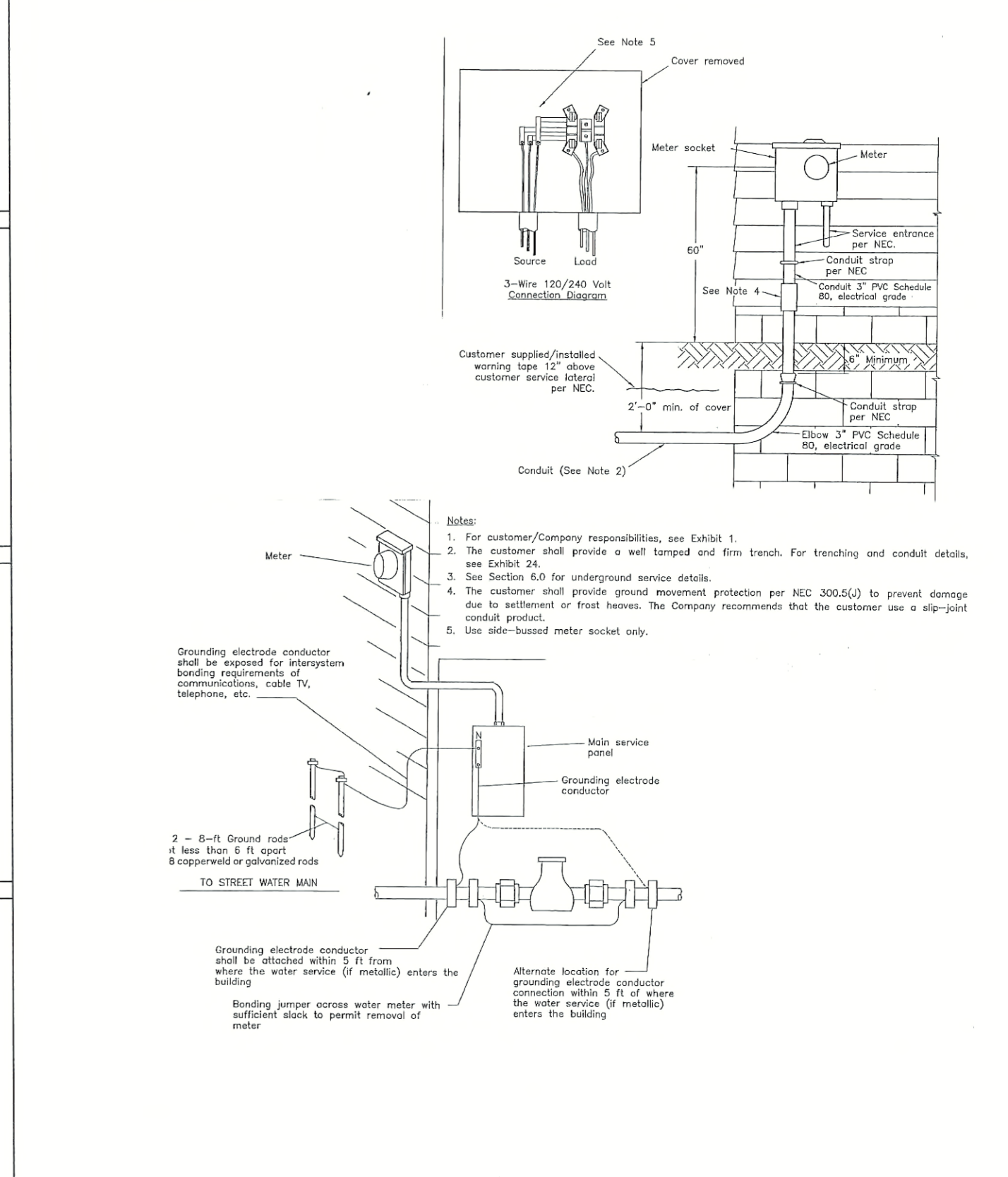
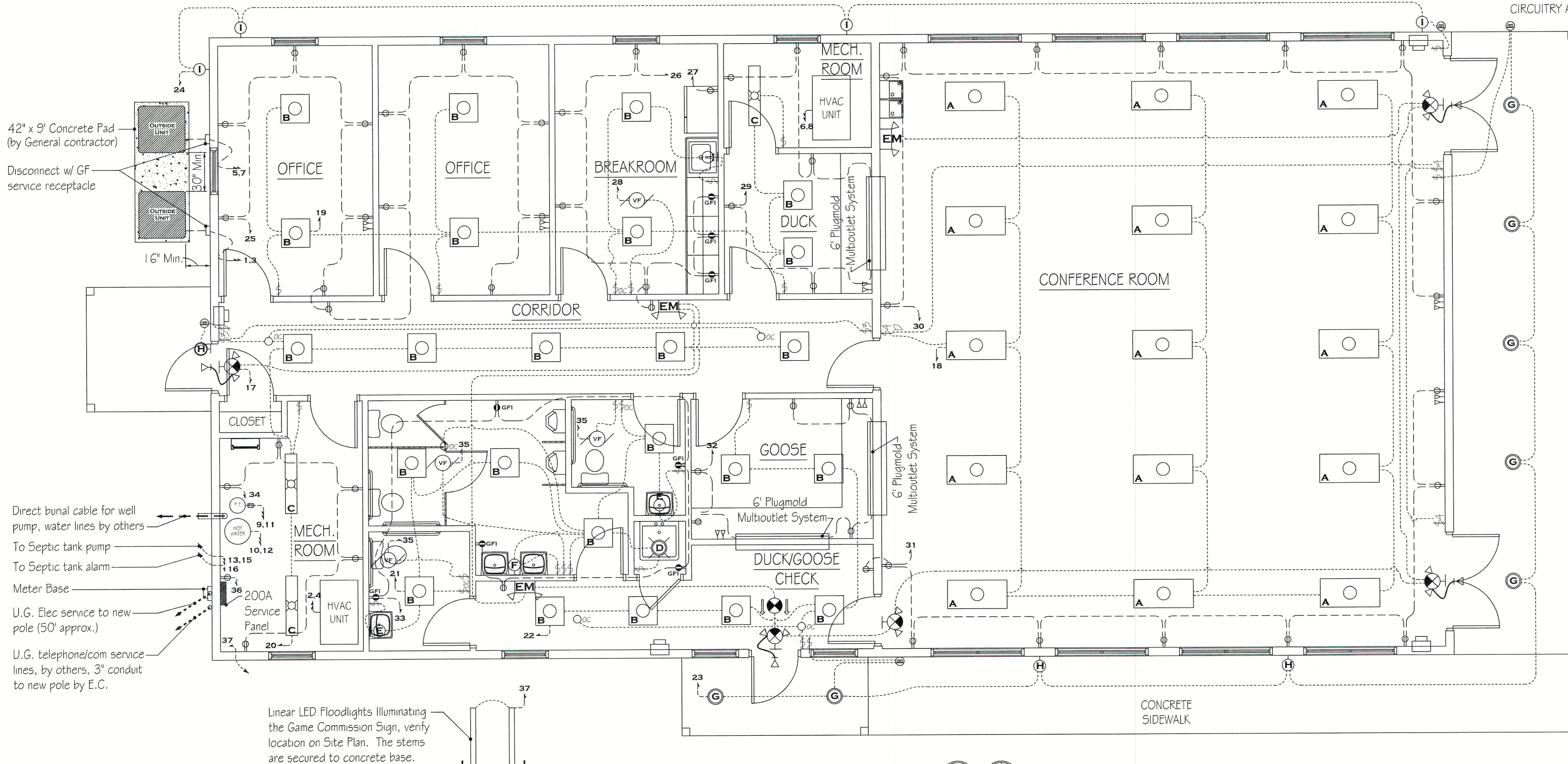
- FURNISH AND INSTALL SOLID COPPER CONDUCTORS AS SPECIFIED; NO ALUMINUM AND NO STRANDED. MC CABLE IS APPROVED FOR ALL HOME RUN CIRCUITS IF NEATLY INSTALLED.
- ALL CONDUCTORS FOR 120V CIRCUITS OVER 100' IN LENGTH SHALL BE MINIMUM #10AWG. ALL CONDUCTORS FOR 120V CIRCUITS OVER 150' IN LENGTH SHALL BE MINIMUM #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. PENN046  
PENNSYLVANIA

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
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