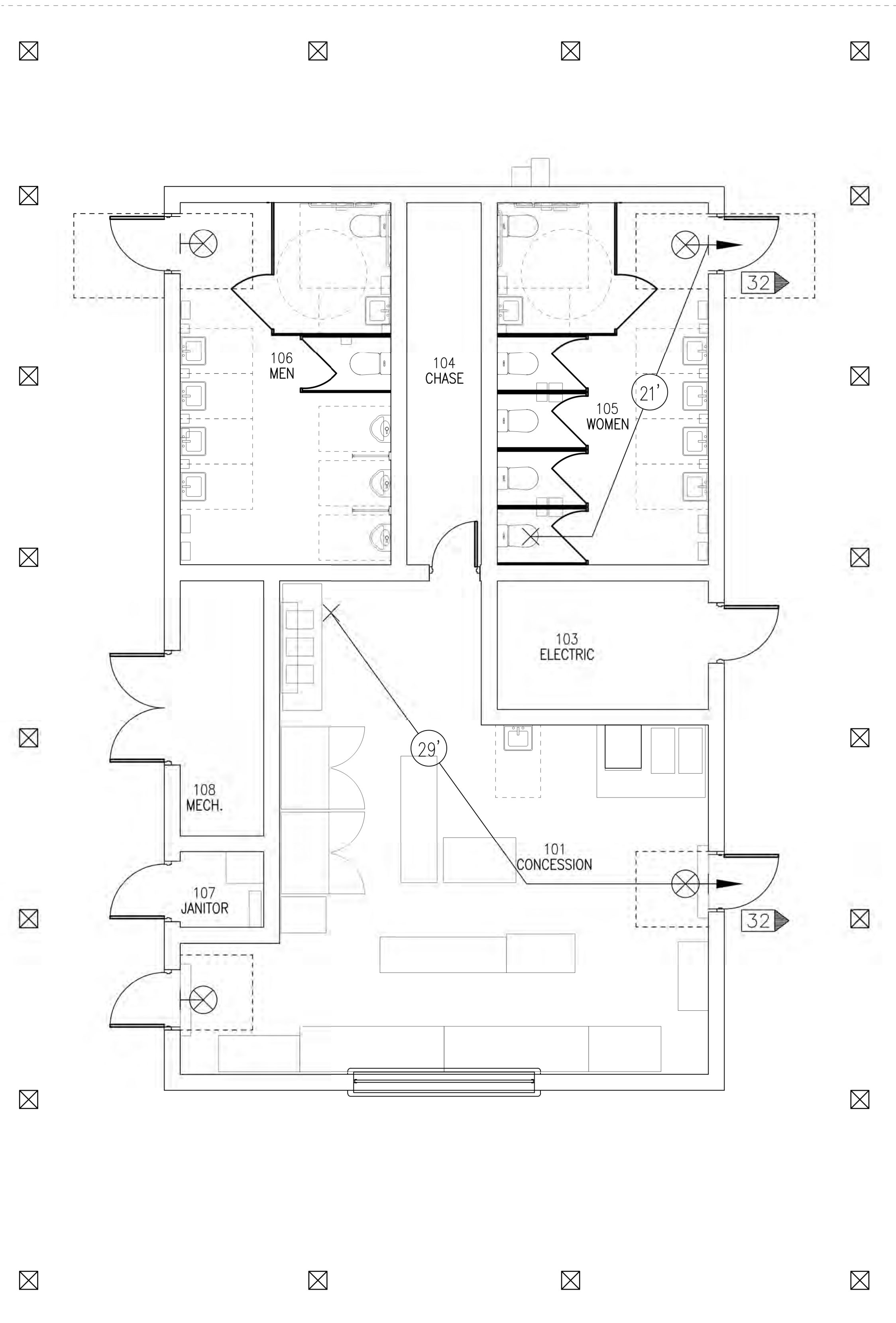
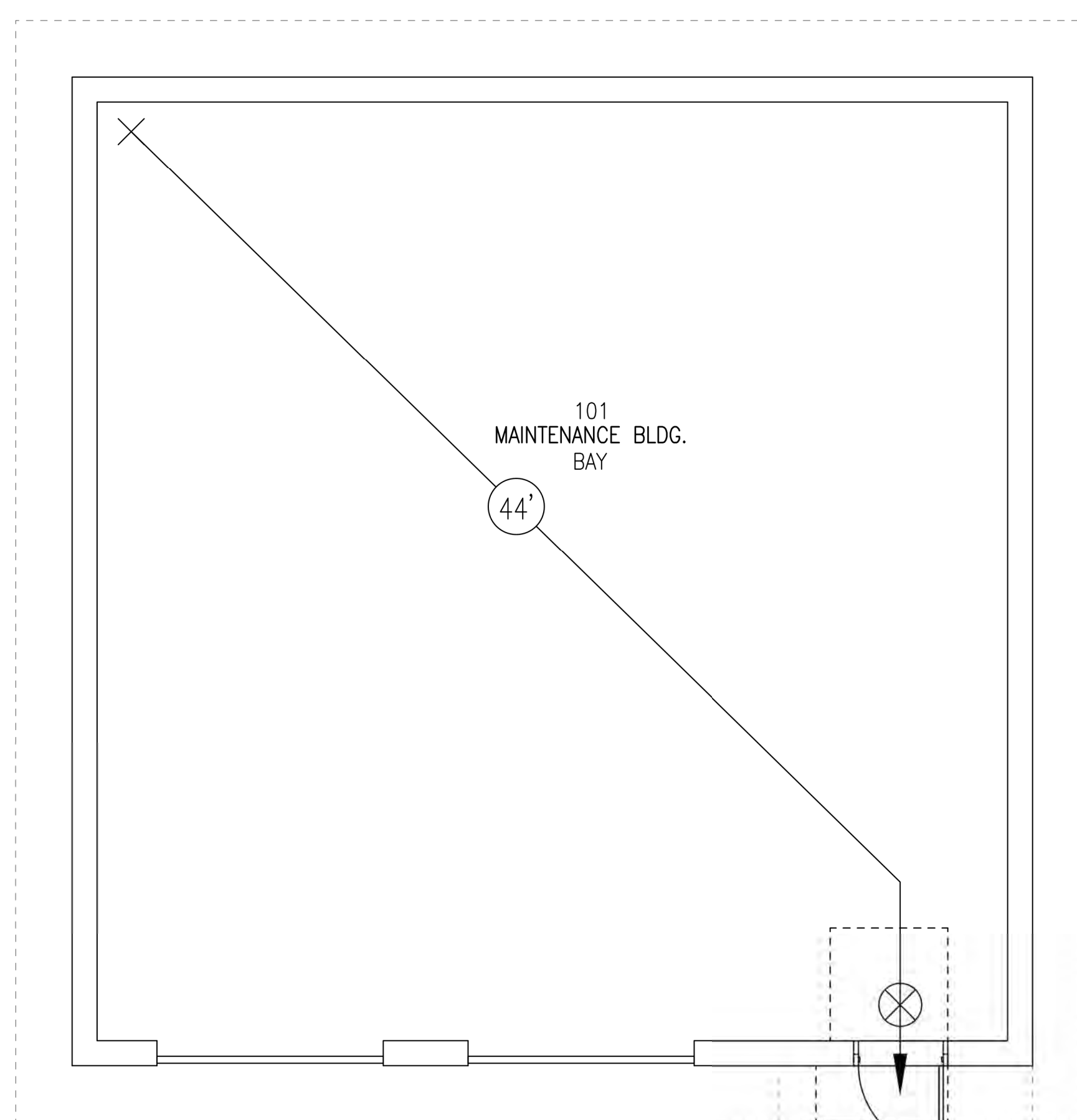


**EXHIBIT 2  
BARGE DESIGN SOLUTIONS  
ARCHITECTURAL PLANS  
08/28/2023**





**CONCESSION BLDG. LIFE SAFETY PLAN**  
 SCALE: 1/4" = 1'-0"  
 G1.2 G1.2



**MAINTENANCE BLDG. LIFE SAFETY PLAN**  
 SCALE: 1/4" = 1'-0"  
 G1.2 G1.2

- ### NOTES
1. LIFE SAFETY PLANS ARE INTENDED TO HIGHLIGHT FIRE WALLS AND EGRESS ACCESSORIES.
  2. REFER TO ELECTRICAL FOR DETAILS ON EMERGENCY LIGHTING.
  3. REFER TO MECHANICAL FOR DETAILS ON FIRE DAMPERS; FIRE DAMPERS REQUIRED IN FIRE WALLS AND FIRE RATED CEILING ASSEMBLIES.

- ### LIFE SAFETY LEGEND
- FIRE EXTINGUISHER CABINET
  - EXIT SIGN FACE & DIRECTION
  - EXIT CAPACITY (CLEAR INCHES)
  - TRAVEL DISTANCE
  - WALL MOUNTED EXIT LIGHT
  - 1 HOUR SHAFT WALL- HORIZ WITH 1 HOUR WALL UL #U423 FRIE TEST WH1651 -306.1
  - 1 HOUR FIRE RATED WALL TO ROOF DECK
  - 2 HOUR FIRE RATED WALL TO ROOF DECK

### PROJECT DATA

**CONCESSION BUILDING OCCUPANCY**  
 Occupancy(ies) / Group Classification:  
**BUSINESS GROUP B** Occupant/ Sq. Ft.: 150 GROSS  
 Total Net Floor Area: 1,550 SF Total Occupants: 11

**MAINTENANCE BUILDING OCCUPANCY**  
 ACCESSORY/STORAGE Occupant/ Sq. Ft.: 300 GROSS  
 Total Gross Floor Area: 1,190 SF Total Occupants: 4

Type of Construction: TYPE VB CONSTRUCTION  
 Protected or Unprotected: UNPROTECTED  
 Sprinklered or Non-Sprinklered: NON-SPRINKLERED  
 Max. Building Height: 40' Max. Number of Stories: 2  
 Max. Floor Area: 9,000 SF

**EXITS**  
 Minimum Number of Exits: 1 PER STORY  
 Maximum Travel Distance: 100 FT  
 Maximum Dead End Corridor: 20 FT  
 Min. Corridor/ Aisle Width: 36 IN

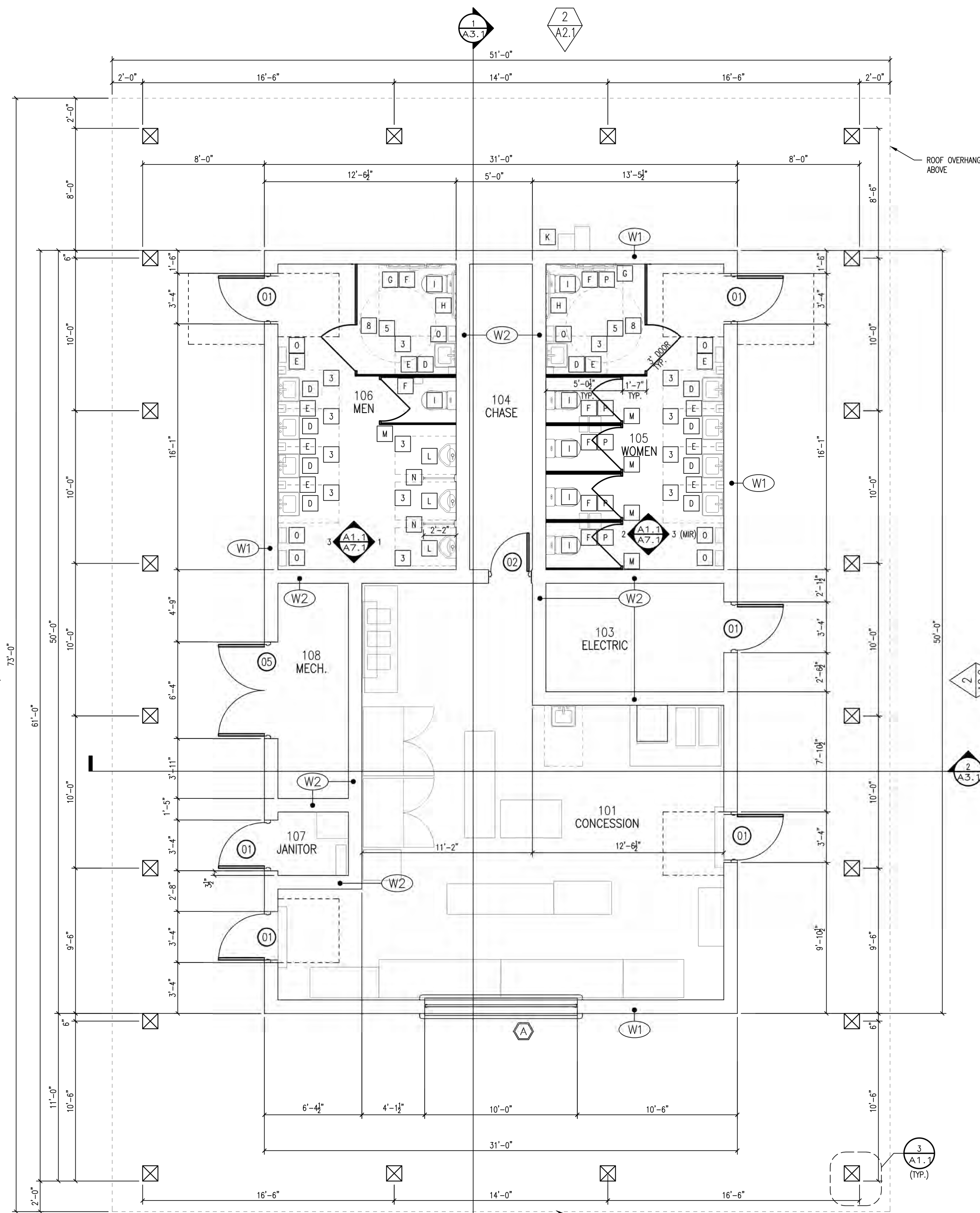
**NOTE** 44" if serving 50 or more people  
 36" if serving less than 50 people  
 Egress Width, Level: (No. of persons) 449 x .2 in. = 89.8

**FIRE PROTECTION**  
 FIRE PROTECTION REQUIREMENTS  
 Interior Bearing: 0 HOUR \_\_\_\_\_  
 Columns: 0 HOUR \_\_\_\_\_  
 Floor/ Ceiling: 0 HOUR \_\_\_\_\_  
 Interior Non-bearing: 0 HOUR \_\_\_\_\_  
 Beams, Girders, Trusses: 0 HOUR \_\_\_\_\_  
 Roof/ Ceiling: 0 HOUR \_\_\_\_\_

REV.	DR.	DATE	DESCRIPTION

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 SAVED:8/27/2023  
 PLOT:8/28/2023

USER:PERNE  
FILE:E:\P\udson Desktop\BVA\Southport Sports\DWGs.dwg  
SAVED:8/21/2023  
PLOT:ED:8/22/2023



**CONCESSION BLDG. FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
1  
A2.1

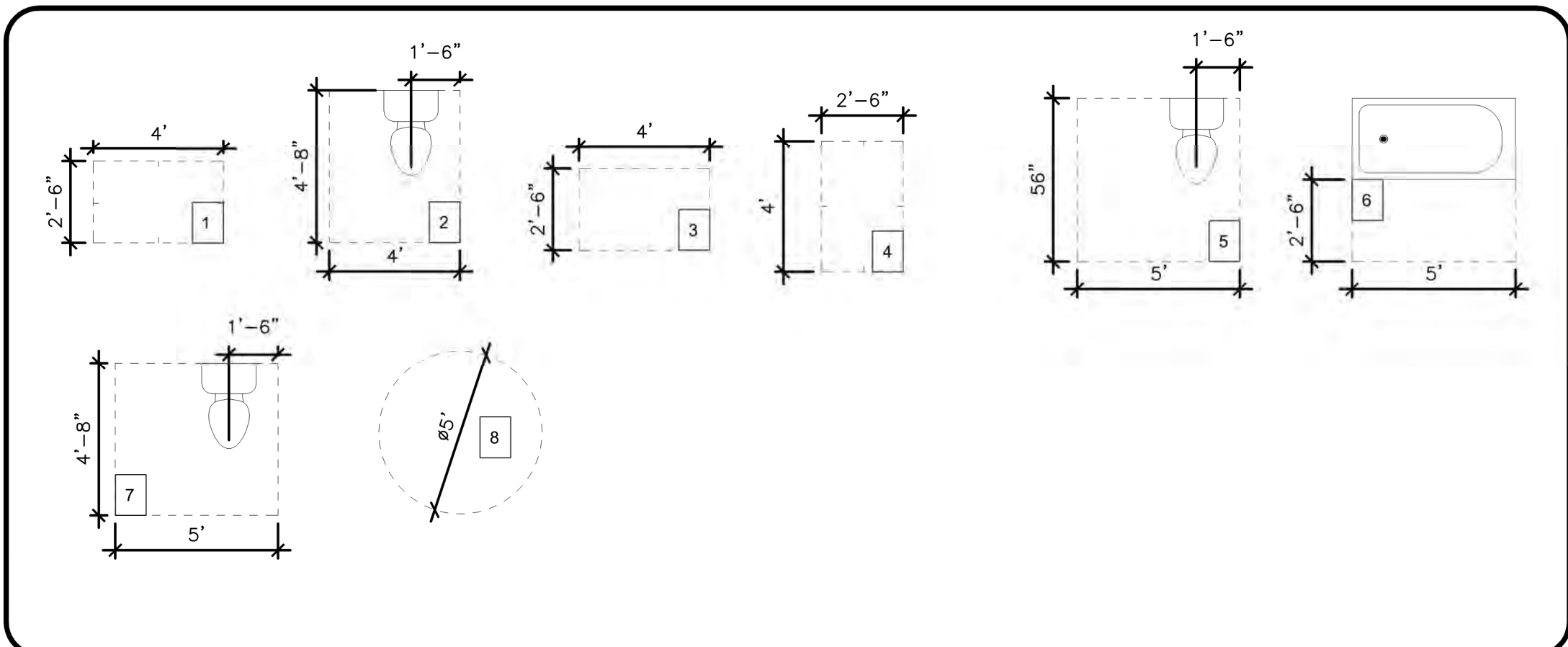
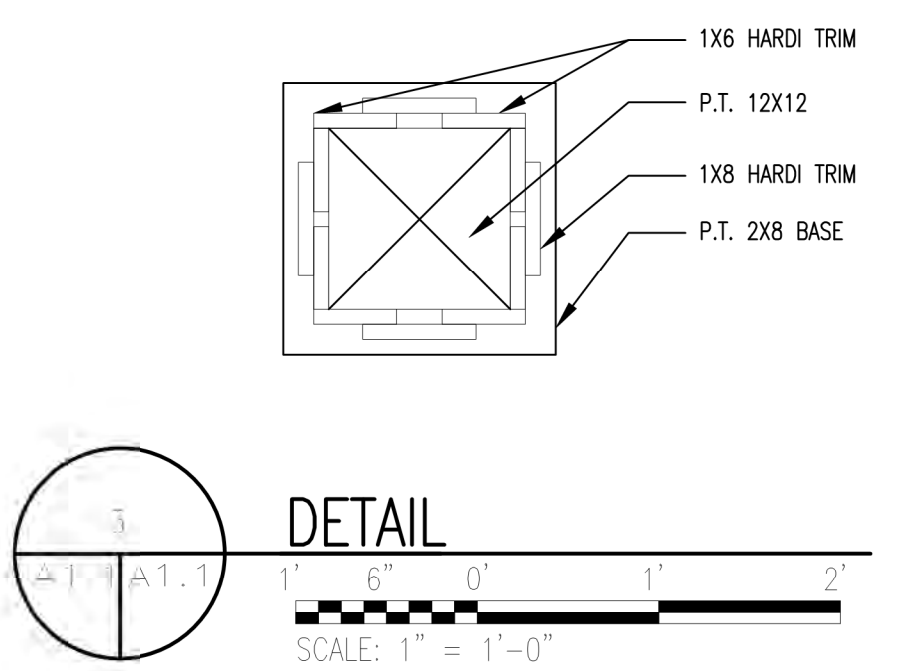
**LEGEND**

A	LAVATORY PIPE INSULATOR
B	RECESSED HAND TOWEL DISPENSER AND TRASH RECEPTACLE
C	MIRROR
D	LAVATORY (ACCESSIBLE): WALL-MOUNT WITH PIPE APRON
E	SURFACE MOUNTED SOAP DISPENSER
F	SURFACE MOUNTED DUAL ROLL TOILET PAPER DISPENSER.
G	1 1/2" Ø 42" LONG GRAB BAR.
H	1 1/2" Ø 36" LONG GRAB BAR.
I	WATER CLOSET (ACCESSIBLE): FLOOR MOUNTED
J	ELECTRIC WATER FOUNTAIN (ACCESSIBLE & STANDARD)
K	ACCESSIBLE WATER FOUNTAIN
L	WALL MOUNTED URINAL
M	FLOOR MOUNTED TOILET PARTITION
N	WALL MOUNTED URINAL PARTITION
O	HAND DRYER
P	SANITARY NAPKIN DISPOSAL

- NOTES**
- UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE TAKEN TO THE FACE OF THE STUD, CONCRETE OR CMU.
  - ALL CASEWORK IS FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
  - DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION CONTACT THE PROJECT MANAGER FOR CLARIFICATION BEFORE CONTINUING WITH CONSTRUCTION.
  - VERIFY ALL ON SITE DIMENSIONS AND EQUIPMENT LOCATIONS. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ANY ITEM IN ORDER TO COMPLETE THE REQUIREMENTS OF THIS CONTRACT.
  - MECHANICAL AND ELECTRICAL ELEMENTS ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR WORK.
  - SEE SHEETS A1.5 FOR EQUIPMENT LAYOUT.
- REFER TO COVER SHEET FOR PLAN SYMBOL DESIGNATIONS.

**LEGEND**

X X-XXX X-XXX X	INTERIOR ELEVATION DESIGNATION
(1)	DOOR DESIGNATION SEE SHEET A6.1
W#	WALL TYPES - SEE SHEET A6.1
X	NEW WINDOW - SEE SHEET A6.1
X XX.X	EXTERIOR ELEVATION DESIGNATION



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Victoria Williams  
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Williams, o=VBA  
Design, Inc., ou,  
email=williams@v  
badesign.us, c=US  
Date: 2023.08.24  
15:06:28 -0500'



08-23-23  
DATE

CONCESSION BLDG. FLOOR PLAN  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DR.	DATE	DESCRIPTION

**A1.1**  
37237-01

NOTES

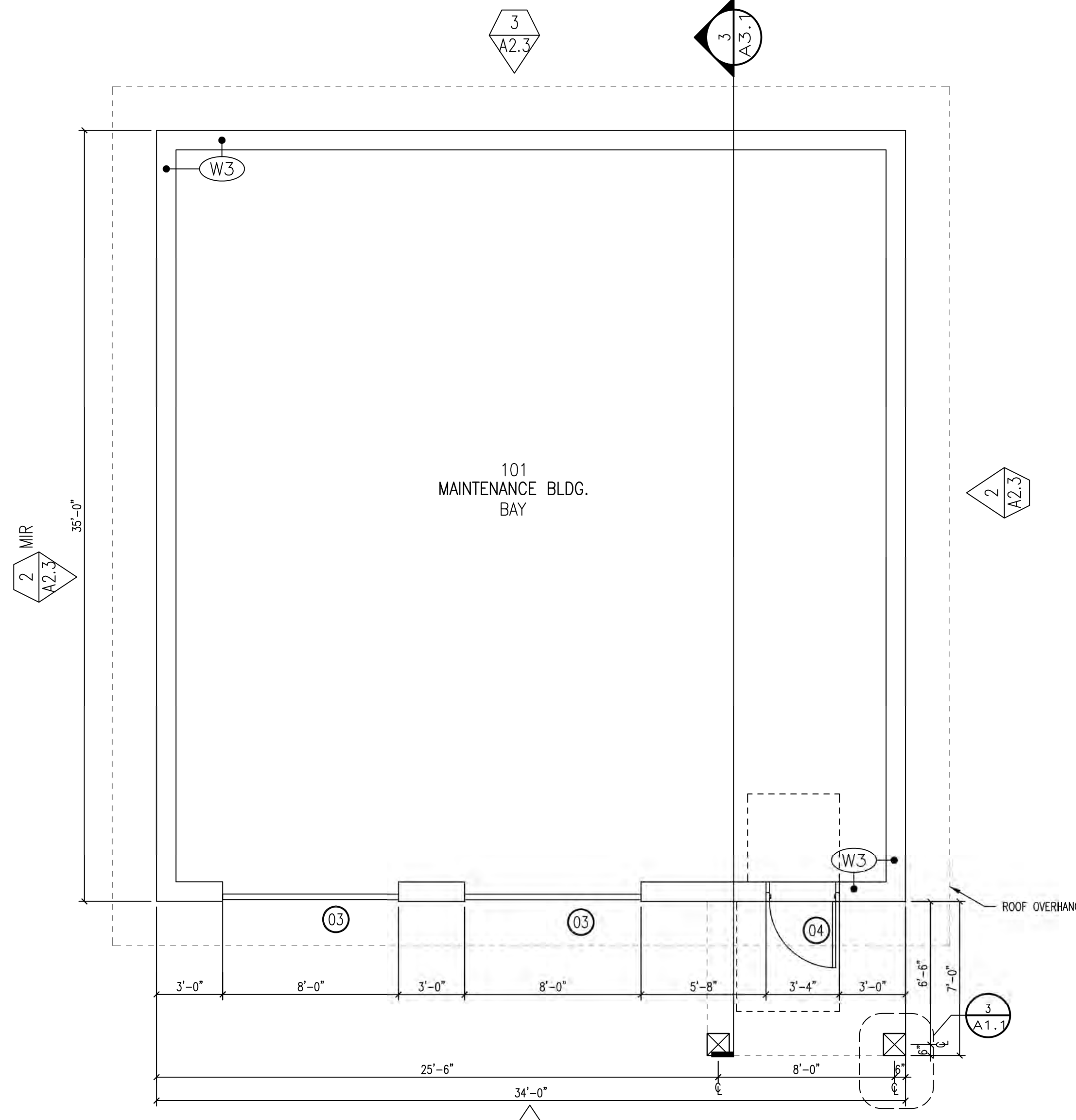
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REFER TO COVER SHEET FOR PLAN SYMBOL DESIGNATIONS.

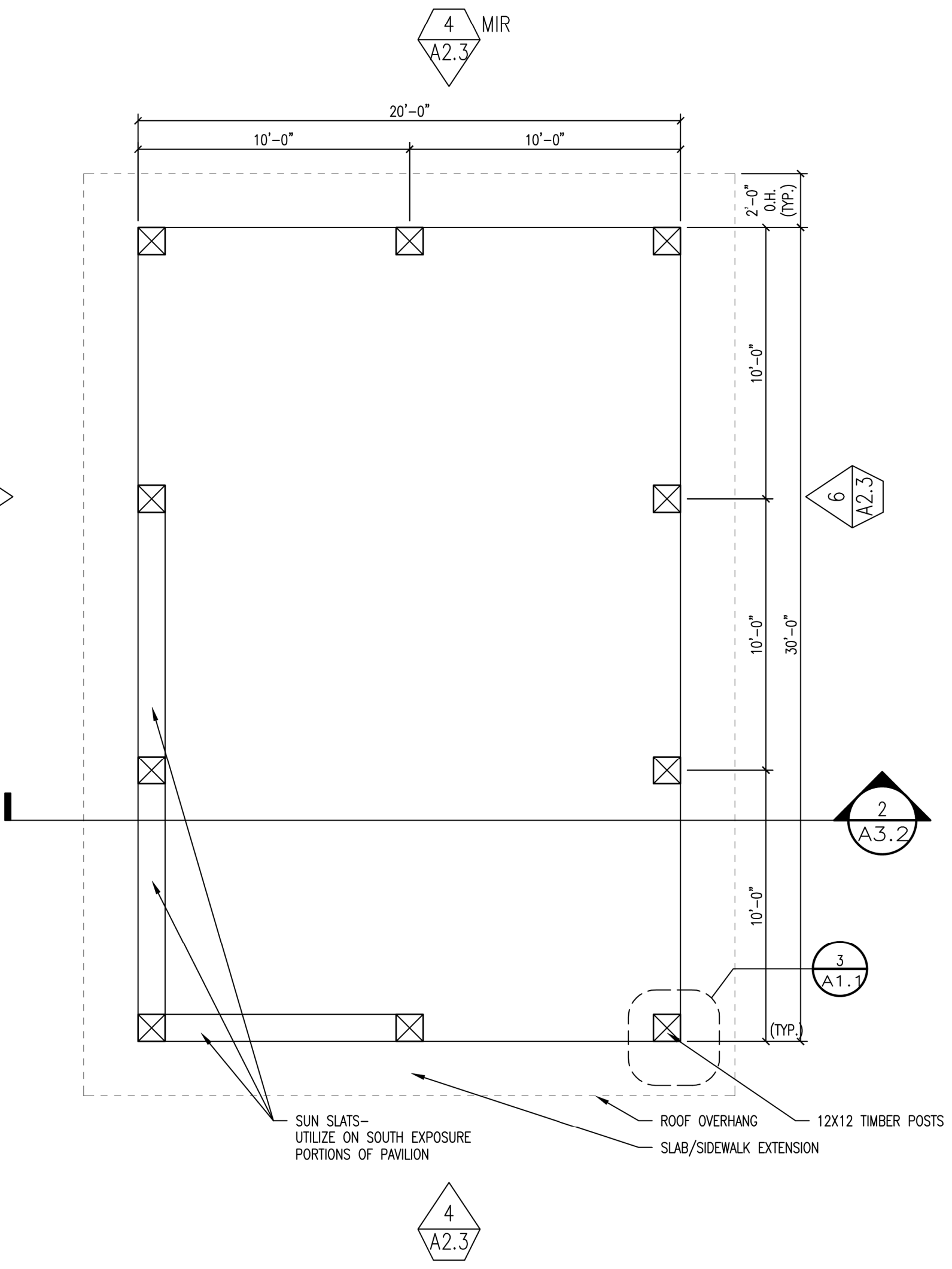
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- INTERIOR ELEVATION DESIGNATION
- DOOR DESIGNATION SEE SHEET A6.1
- WALL TYPES - SEE SHEET A6.1
- NEW WINDOW - SEE SHEET A6.1
- EXTERIOR ELEVATION DESIGNATION

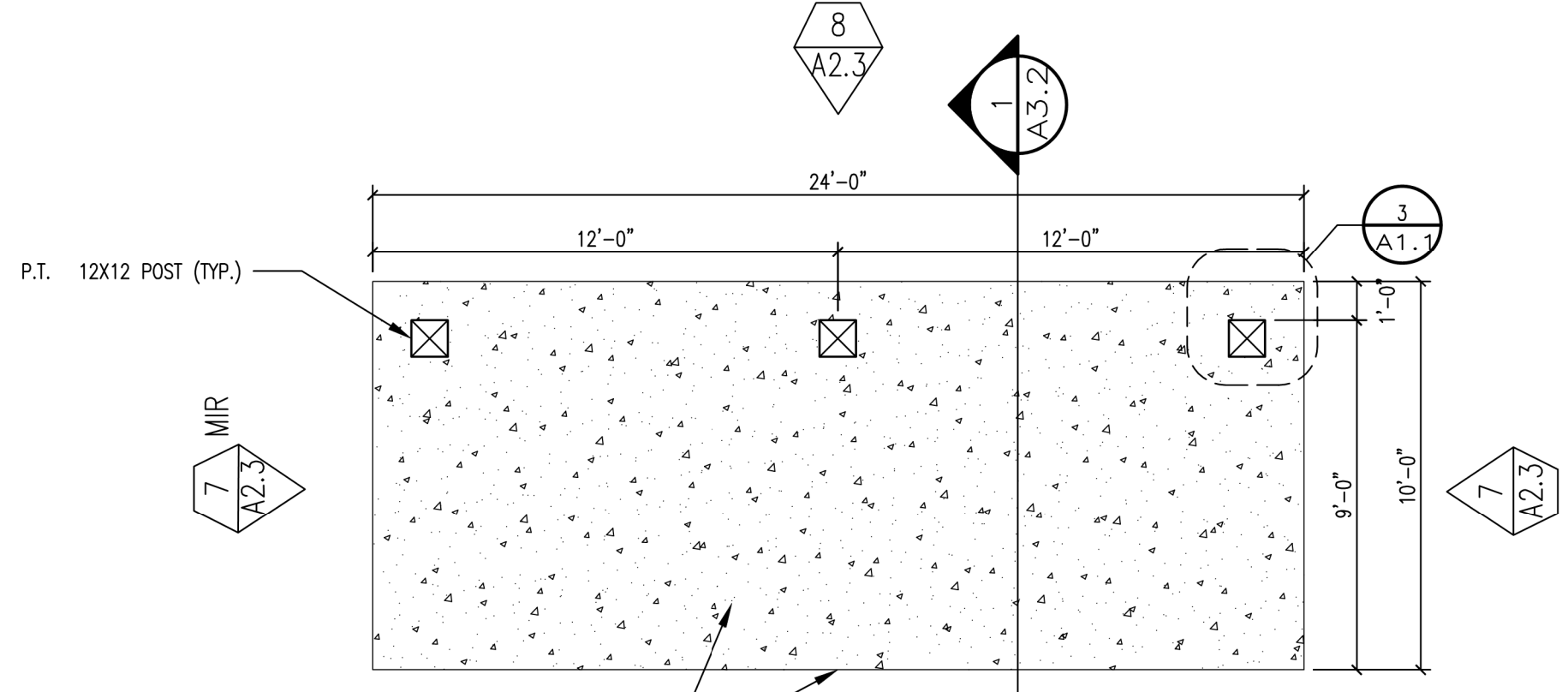
REV.	OR.	DATE	DESCRIPTION



**MAINTENANCE BLDG. FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**PAVILION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**DUGOUT FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

- NOTES**
1. INSTALL DOWNSPOUTS CENTERED ON COLUMNS WHERE APPLICABLE.
  2. CONNECT DOWNSPOUTS TO SITE DRAINAGE - REFER TO CIVIL DRAWINGS.
  3. ROOF COLOR TO MATCH TERRA COTA COLOR OF GOVERNMENT BUILDINGS AT 840 W. 11TH ST., PANAMA CITY, FLORIDA

- LEGEND**
- SLOPE**  
3:12 ROOF SLOPE
- 3:12 ROOF SLOPE
- D.S. 6" X 6" PRE-FIN. ALUMN. DOWNSPOUT
- STANDING SEAM METAL ROOF

**BARGE**  
DESIGN SOLUTIONS

840 HUNTER AVENUE / SUITE 105 / PANAMA CITY, FLORIDA 32401  
PHONE (904) 298-8121

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DN: cn=Victoria Williams, o=VBA Design, inc., ou, email=vwilliams@vbadesign.us, c=US  
Date: 2023.08.24 15:06:58 -05'00'

**VBA**  
DESIGN

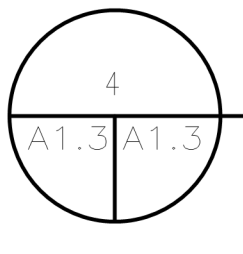
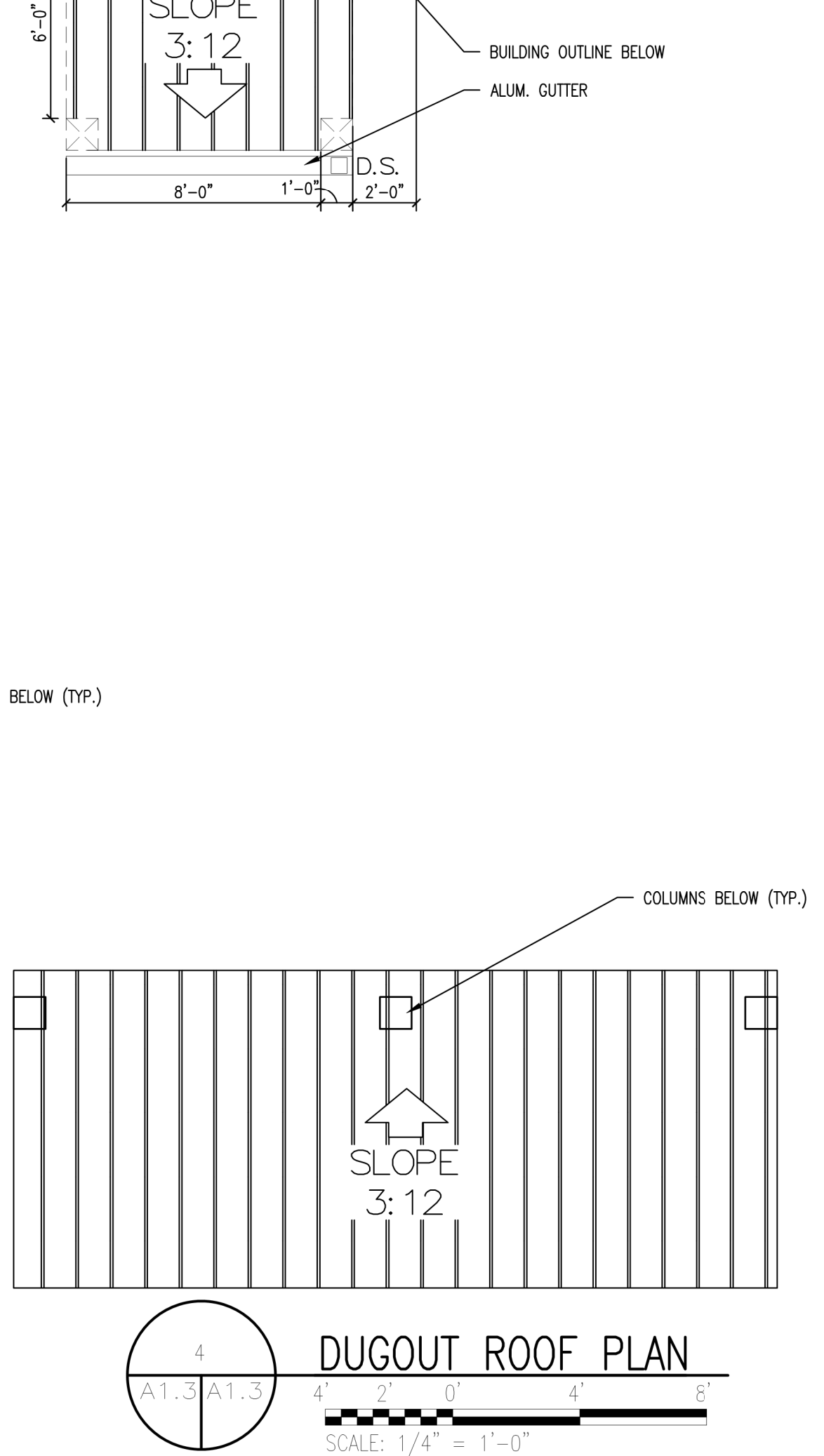
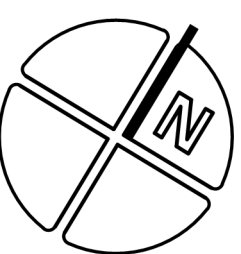
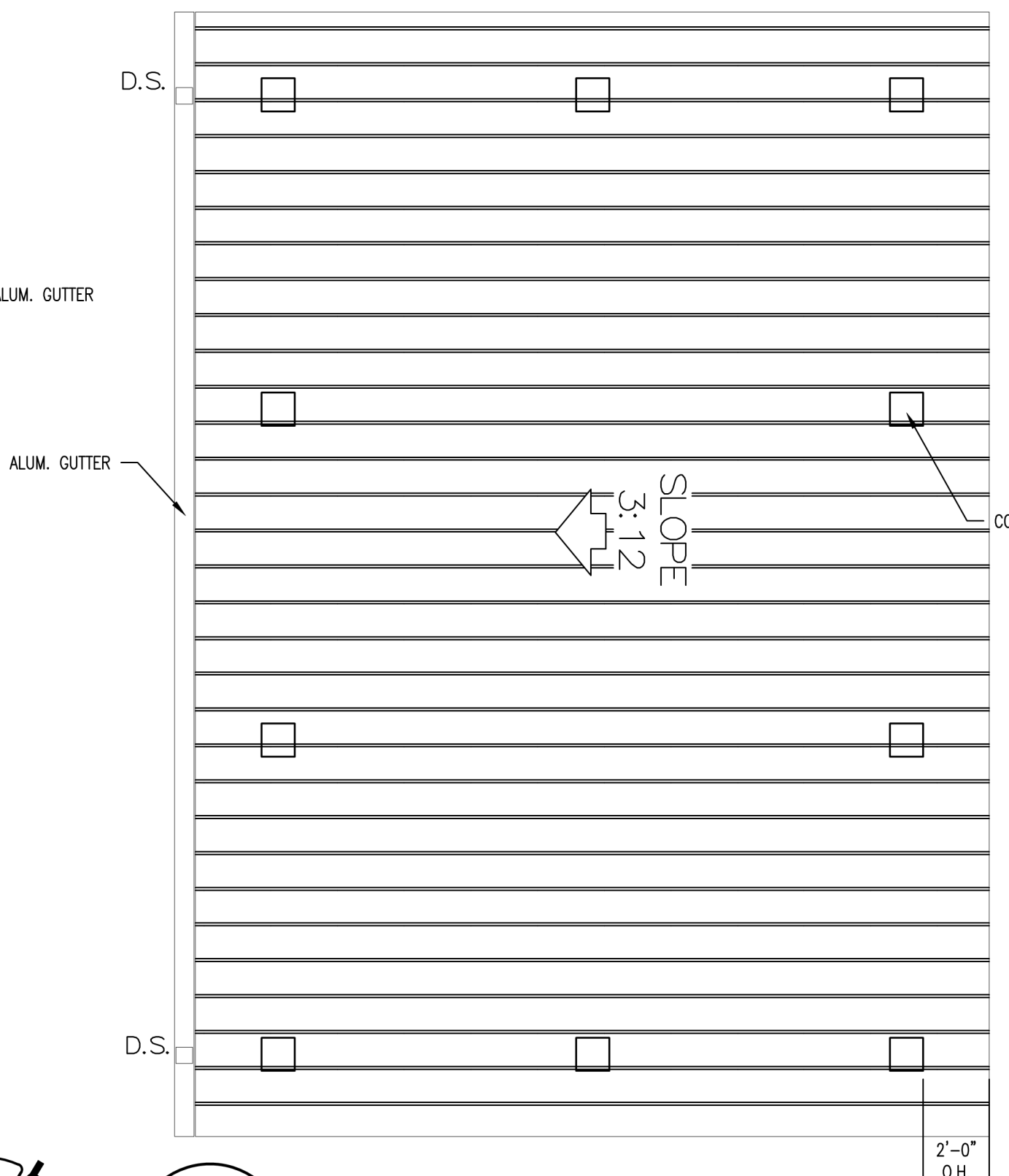
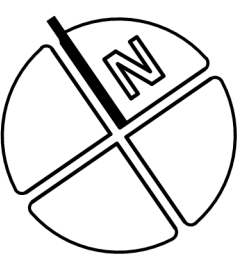
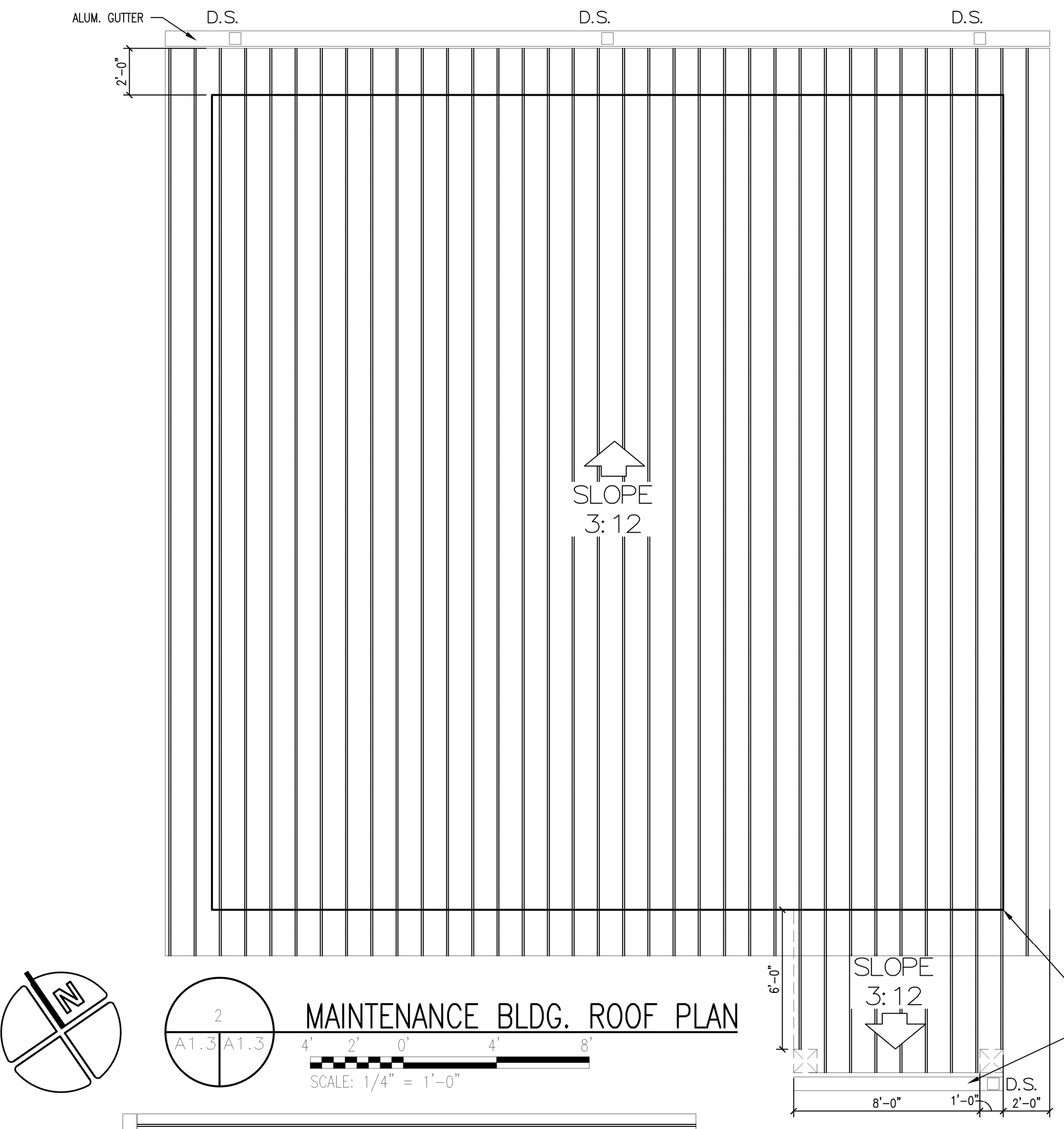
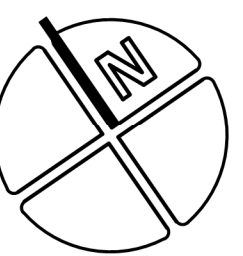
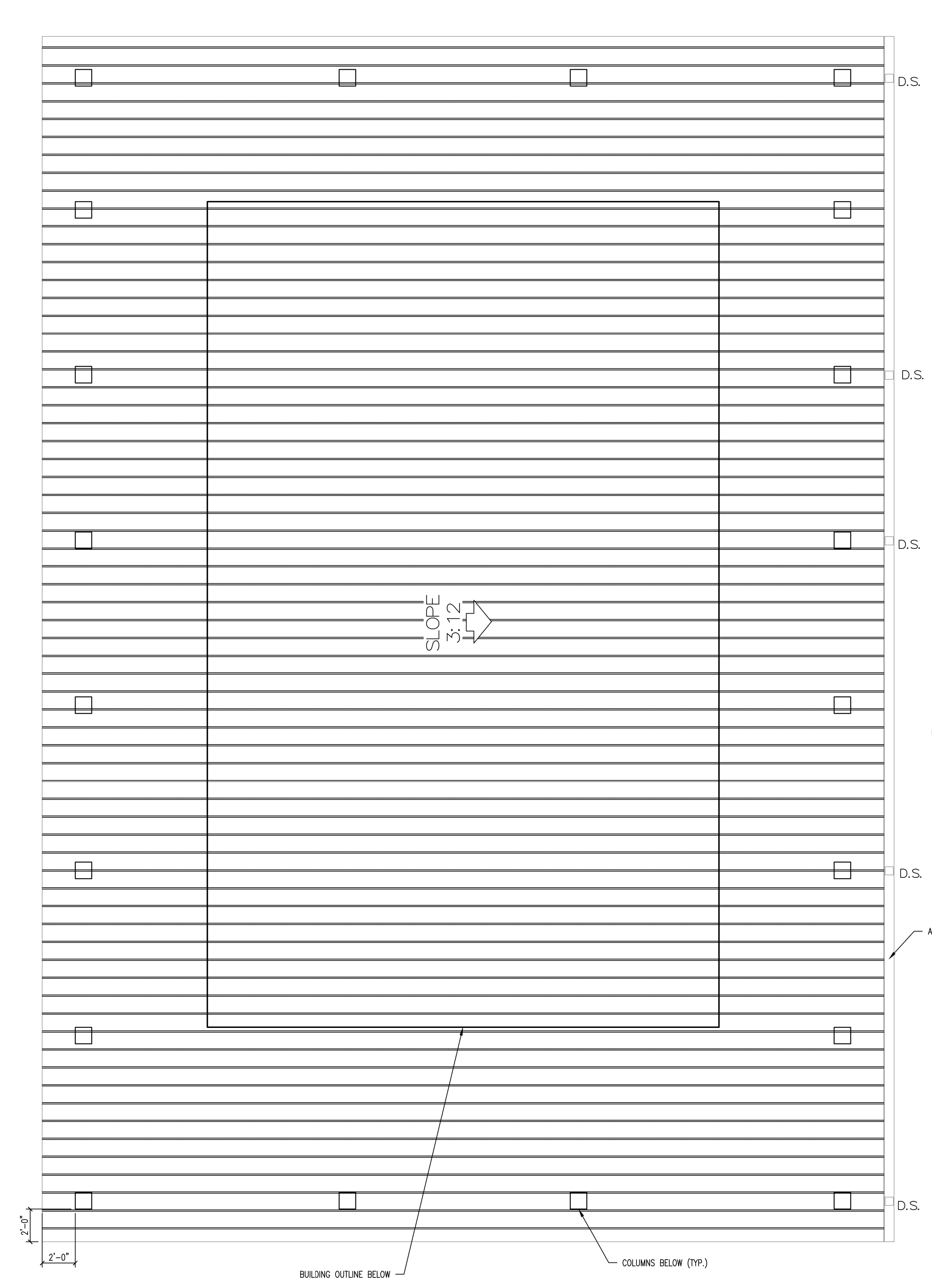
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DATE

**ROOF PLANS**  
SITE IMPROVEMENTS FOR  
**SOUTHPORT SPORTS COMPLEX**  
SOUTHPORT, FL

REV.	BY	CHK.	DATE	DESCRIPTION

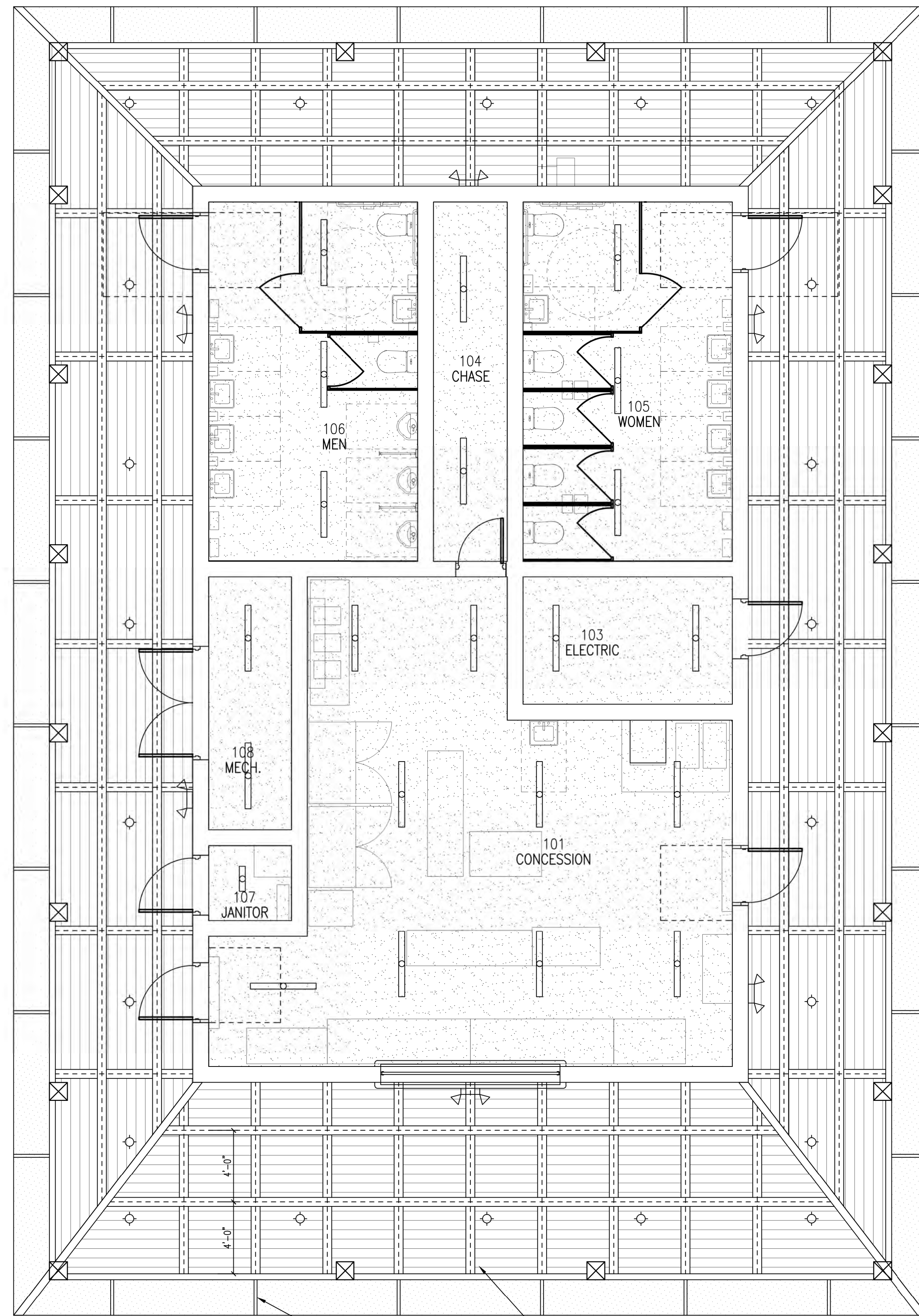
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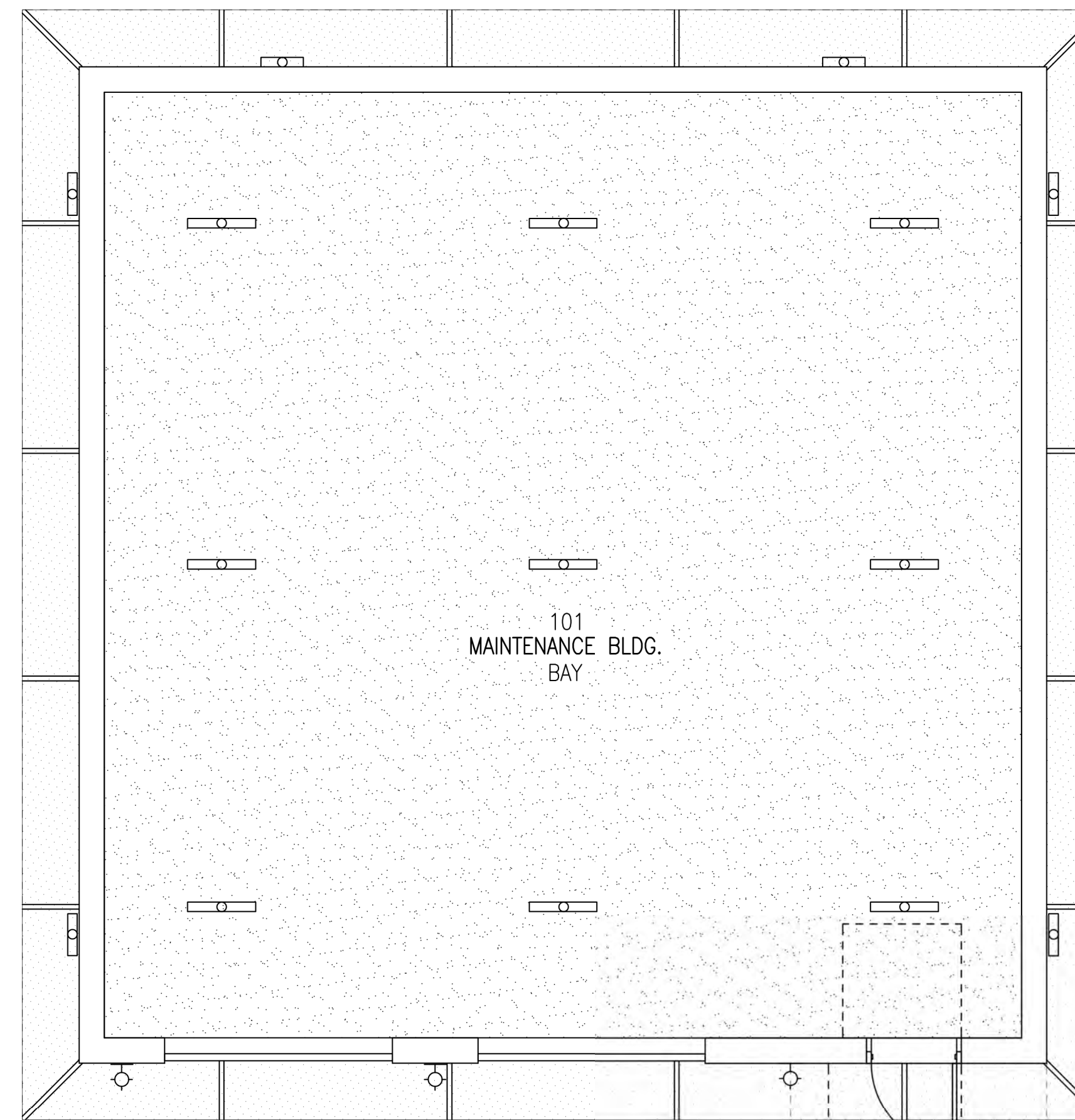


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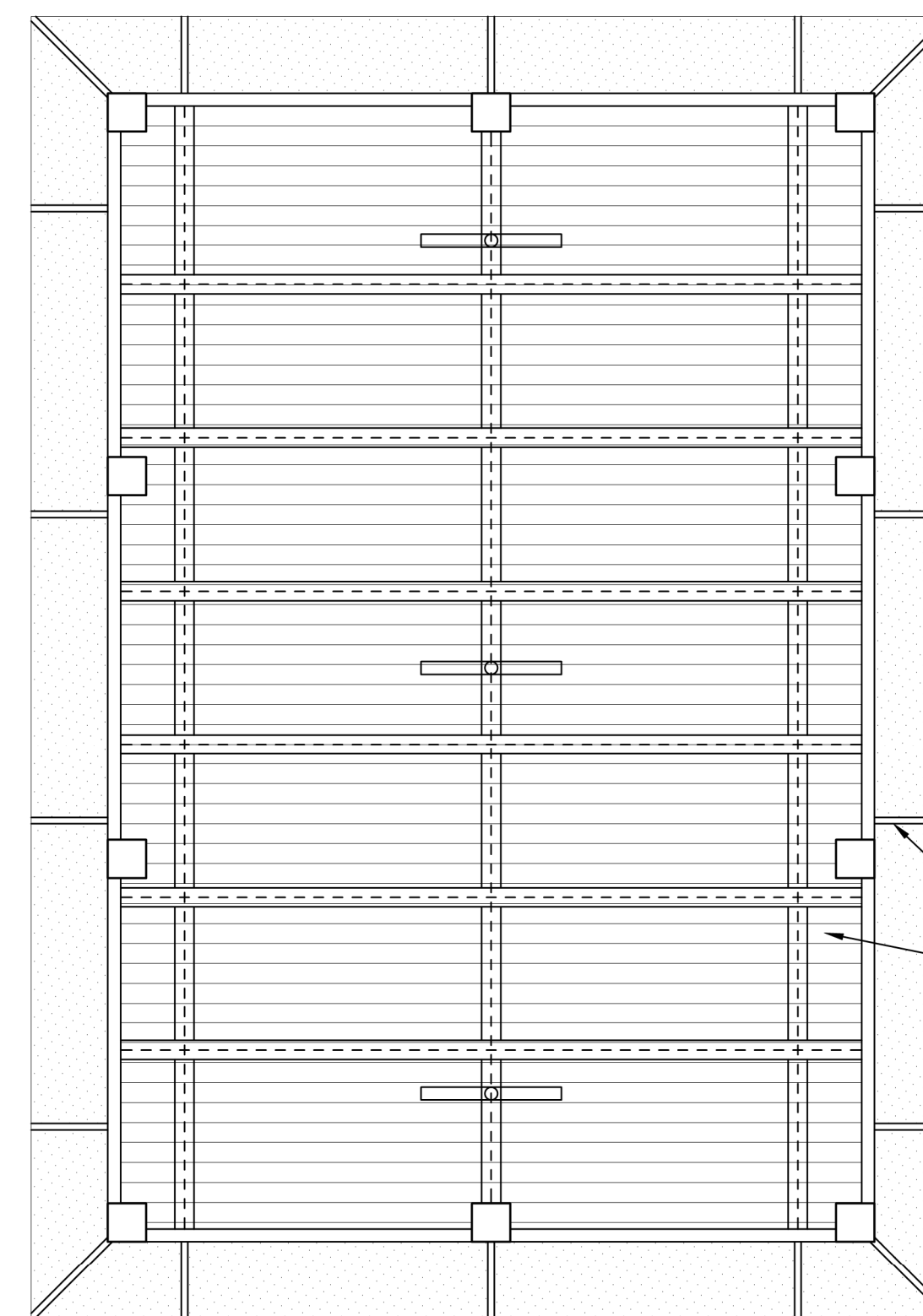
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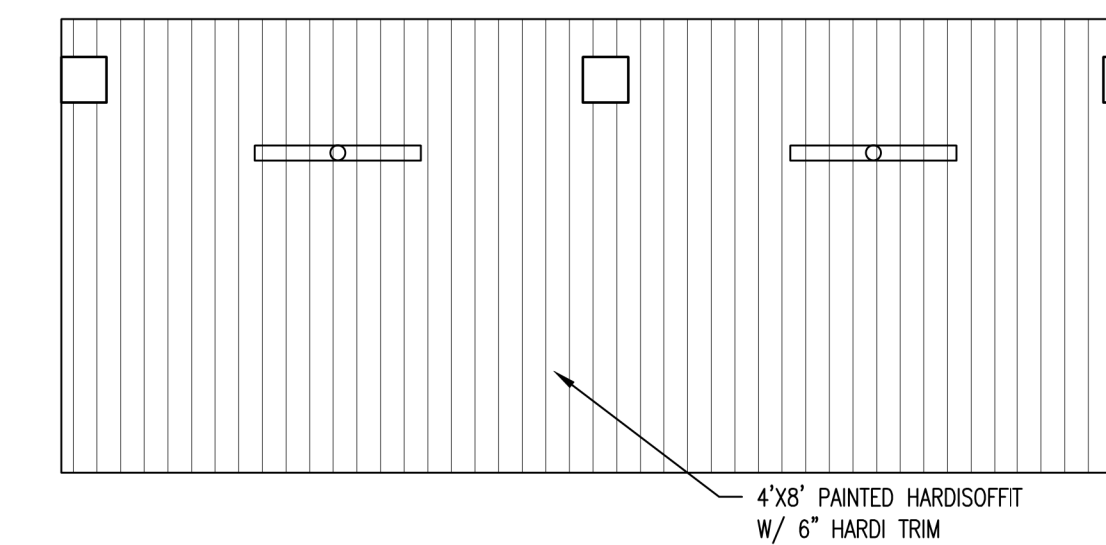
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CONCESSION BLDG. REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"



2  
MAINTENANCE BLDG. REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"



3  
PAVILION REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"



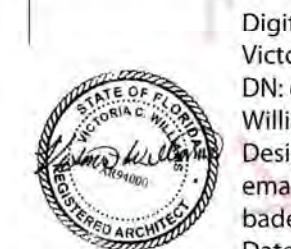
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DUGOUT REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

RCP LEGEND

- ⊙ SURFACE MOUNTED LIGHT
- WALL SURFACE MOUNTED LIGHT
- ⊕ INTERIOR CEILING FAN/LIGHT W/ STEM - VERIFY W/ OWNER
- ⊗ EXHAUST FAN
- ⊙ SMOKE DETECTOR
- ⊡ ELECTRICAL PANEL
- ⊙ ELECTRICAL METER
- ⊕ DOOR CHIME - PUSH BUTTON
- ⊕ DOOR CHIME
- ⊕ FL FLOOD LIGHTS
- ⊡ 5/8" GYPSUM BOARD- SEE FINISH SCHEDULE
- VENTED HARDI SOFFIT
- ⊖ CEILING SURFACE LIGHTING
- ⊕ CEILING SURFACE LIGHTING
- EMERGENCY LIGHTING

**BARGE**  
DESIGN SOLUTIONS

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Date: 2023.08.24  
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REFLECTED CEILING PLANS  
08-23-23  
DATE

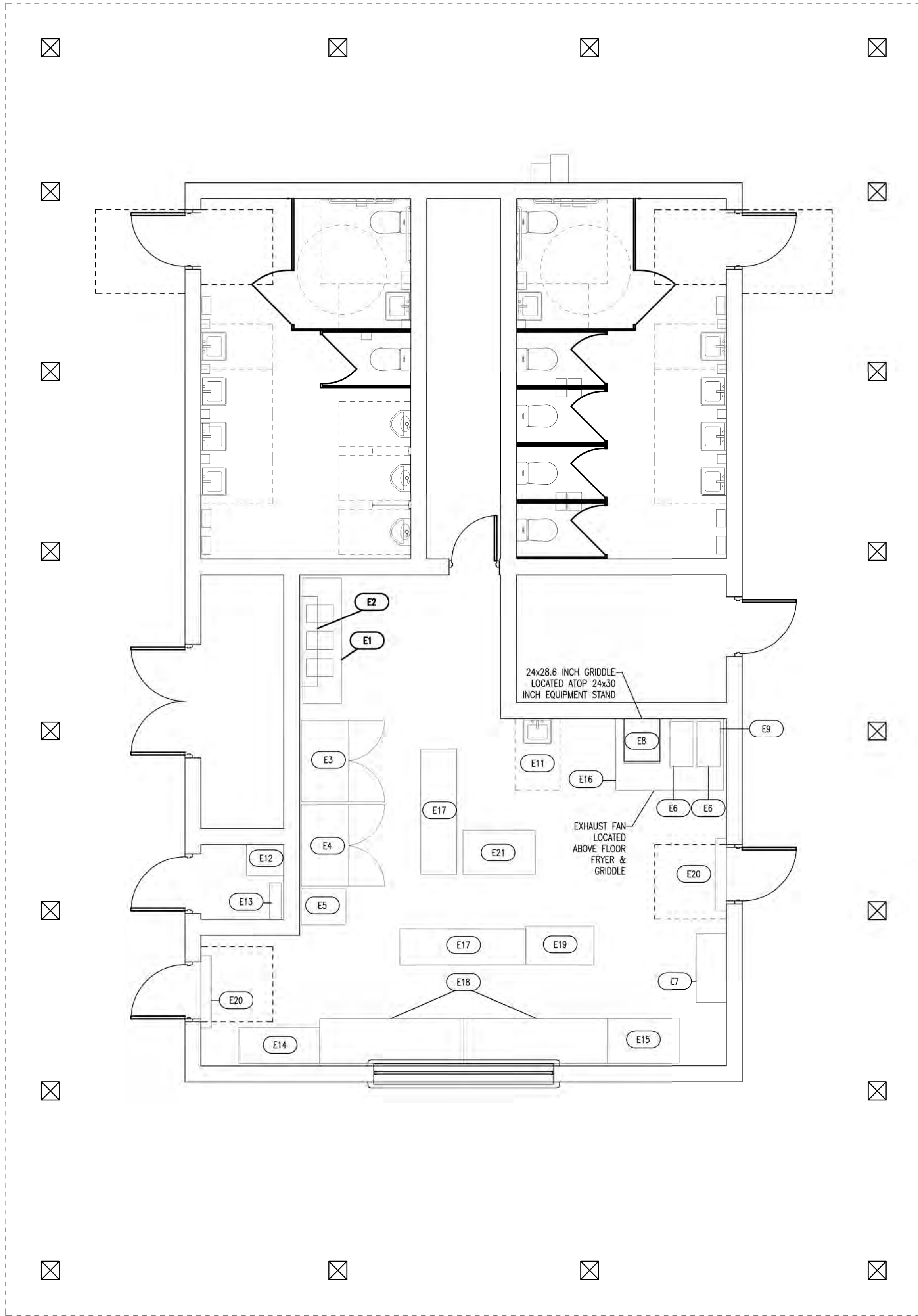
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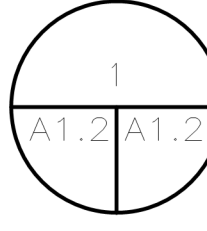
SOUTHPORT, FL

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 NEW EQUIPMENT LAYOUT PLAN  
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE

- E1 THREE (3) COMPARTMENT SINK W/  
PRE-RINSE FAUCET ASSEMBLY AND  
ADD-ON FAUCET – ITEM 1 & 1.1 IN  
EQUIPMENT SPECS
- E2 SHELVING, WALL MOUNTED – ITEM  
1.3 IN EQUIPMENT SPECS
- E3 REACH IN REFRIGERATOR – ITEM 2  
IN EQUIPMENT SPECS
- E4 REACH IN FREEZER – ITEM 3 IN  
EQUIPMENT SPECS
- E5 ICE MAKER—CUBE STYLE – ITEM 4  
IN EQUIPMENT SPECS – INCLUDE ICE  
BIN BELOW ICE MAKER
- E6 ELECTRIC FLOOR FRYER – ITEM 5 IN  
EQUIPMENT SPECS – 2 TOTAL
- E7 DRINKS COOLER – BY DRINK  
DISTRIBUTOR
- E8 EQUIPMENT STAND, FOR  
COUNTERTOP COOKING W/ CASTERS,  
GRIDDLE LOCATED ON TOP – ITEM  
6,7, & 7.1 IN EQUIPMENT SPECS
- E9 NOT USED
- E10 WORK TABLE, STAINLESS STEEL TOP  
– ITEM 13 IN EQUIPMENT SPECS –  
NOT USED
- E11 HAND SINK – ITEM 10 IN  
EQUIPMENT SPECS
- E12 MOP SINK W/ SERVICE FAUCET –  
ITEM 11 & 11.1 IN EQUIPMENT SPECS
- E13 SHELVING, WALL MOUNTED – ITEM  
11.2 IN EQUIPMENT SPECS
- E14 WIRE SHELVING UNIT – ITEM 12 IN  
EQUIPMENT SPECS
- E15 WORK TABLE, STAINLESS STEEL TOP  
– ITEM 9 IN EQUIPMENT SPECS
- E16 EXHAUST HOOD – ITEM 14 IN  
EQUIPMENT SPECS
- E17 WORK TABLE, CABINET BASED HINGE  
DOORS – ITEM 15 IN EQUIPMENT  
SPECS
- E18 WORK TABLE, STAINLESS STEEL TOP  
– ITEM 16 IN EQUIPMENT SPECS
- E19 DISPLAY CASE, HEATED DELI,  
COUNTERTOP – ITEM 17 IN  
EQUIPMENT SPECS
- E20 AIR CURTAIN – ITEM 18 IN  
EQUIPMENT SPECS
- E21 SANDWICH/SALAD PREPARATION  
REFRIGERATOR – ITEM 19 IN  
EQUIPMENT SPECS



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email=vwilliams@v  
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Date: 2023.08.24  
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08-23-23  
DATE

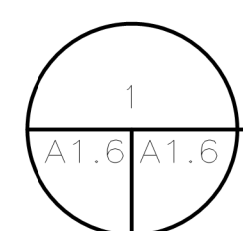
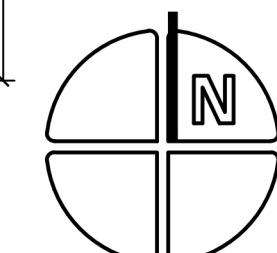
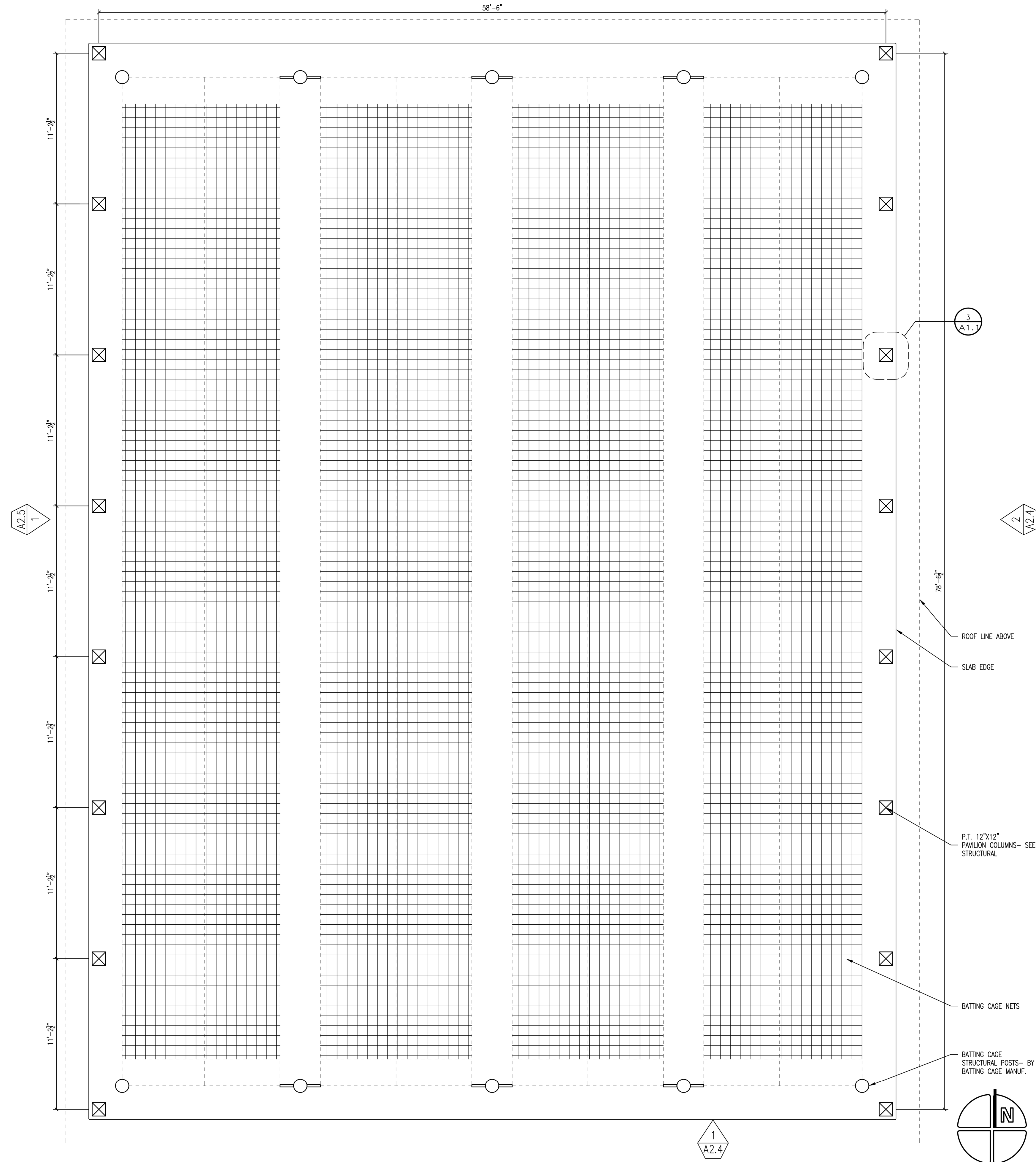
NEW EQUIPMENT LAYOUT PLAN  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV	OR	DATE	DESCRIPTION

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37237-01



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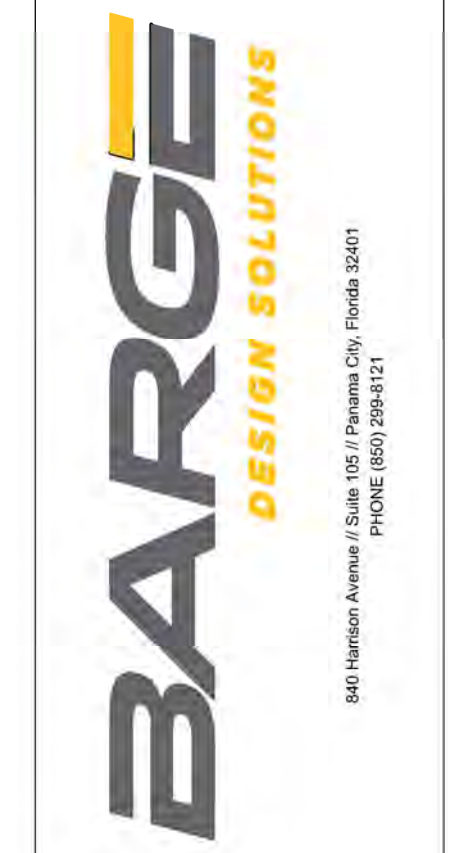


**BATTING CAGE PAVILION FLOOR PLAN**

- ### NOTES
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  2. ALL CASEWORK IS FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
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- REFER TO COVER SHEET FOR PLAN SYMBOL DESIGNATIONS.

### LEGEND

- INTERIOR ELEVATION DESIGNATION
- DOOR DESIGNATION SEE SHEET A6.1
- WALL TYPES - SEE SHEET A6.1
- NEW WINDOW - SEE SHEET A6.1
- EXTERIOR ELEVATION DESIGNATION



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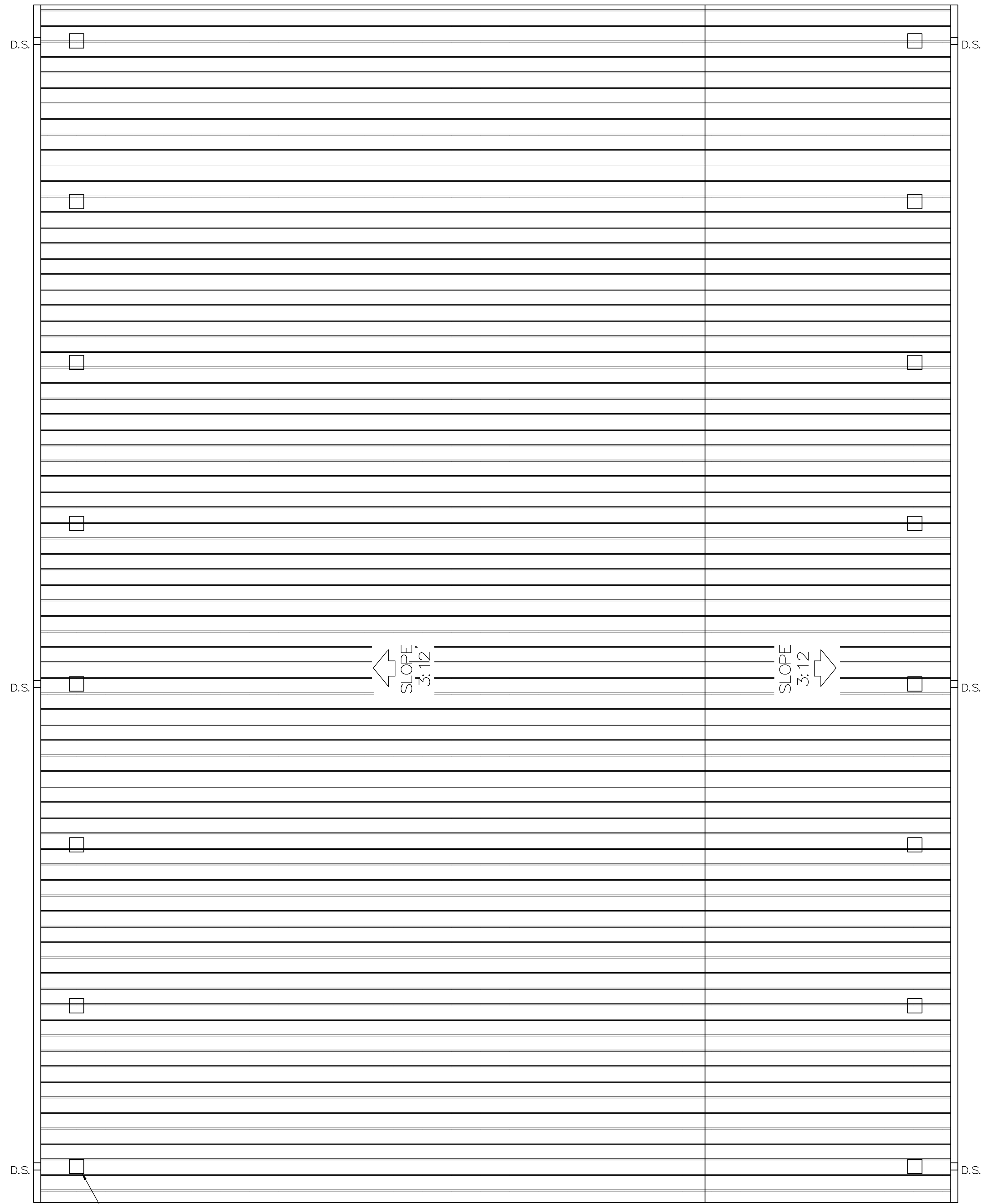


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BATTING CAGE PAVILION FLOOR PLAN  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	BY	CHK.	DATE	DESCRIPTION

**A1.6**  
37237-01



COLUMNS BELOW (TYP.)

**NOTES**

1. INSTALL DOWNSPOUTS CENTERED ON COLUMNS WHERE APPLICABLE.
2. CONNECT DOWNSPOUTS TO SITE DRAINAGE - REFER TO CIVIL DRAWINGS.

**LEGEND**

SLOPE  
3:12 ROOF SLOPE  
↓  
□ D.S. 6" X 6" PRE-FIN. ALUM. DOWNSPOUT  
≡≡≡ STANDING SEAM METAL ROOF



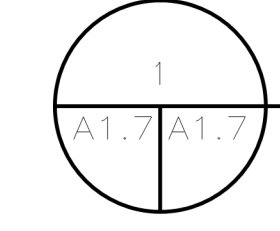
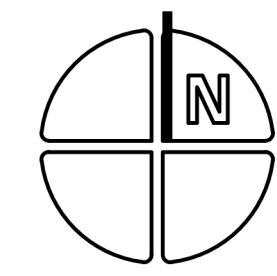
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Williams, o=VBA  
Design, Inc., ou,  
email=williams@  
vbadesign.us,  
c=US  
Date: 2023.08.24  
15:20:12 -05'00'



08-23-23  
DATE

BATTING CAGE PAVILION ROOF PLAN

SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL



**BATTING CAGE PAVILION ROOF PLAN**  
SCALE: 1/4" = 1'-0"

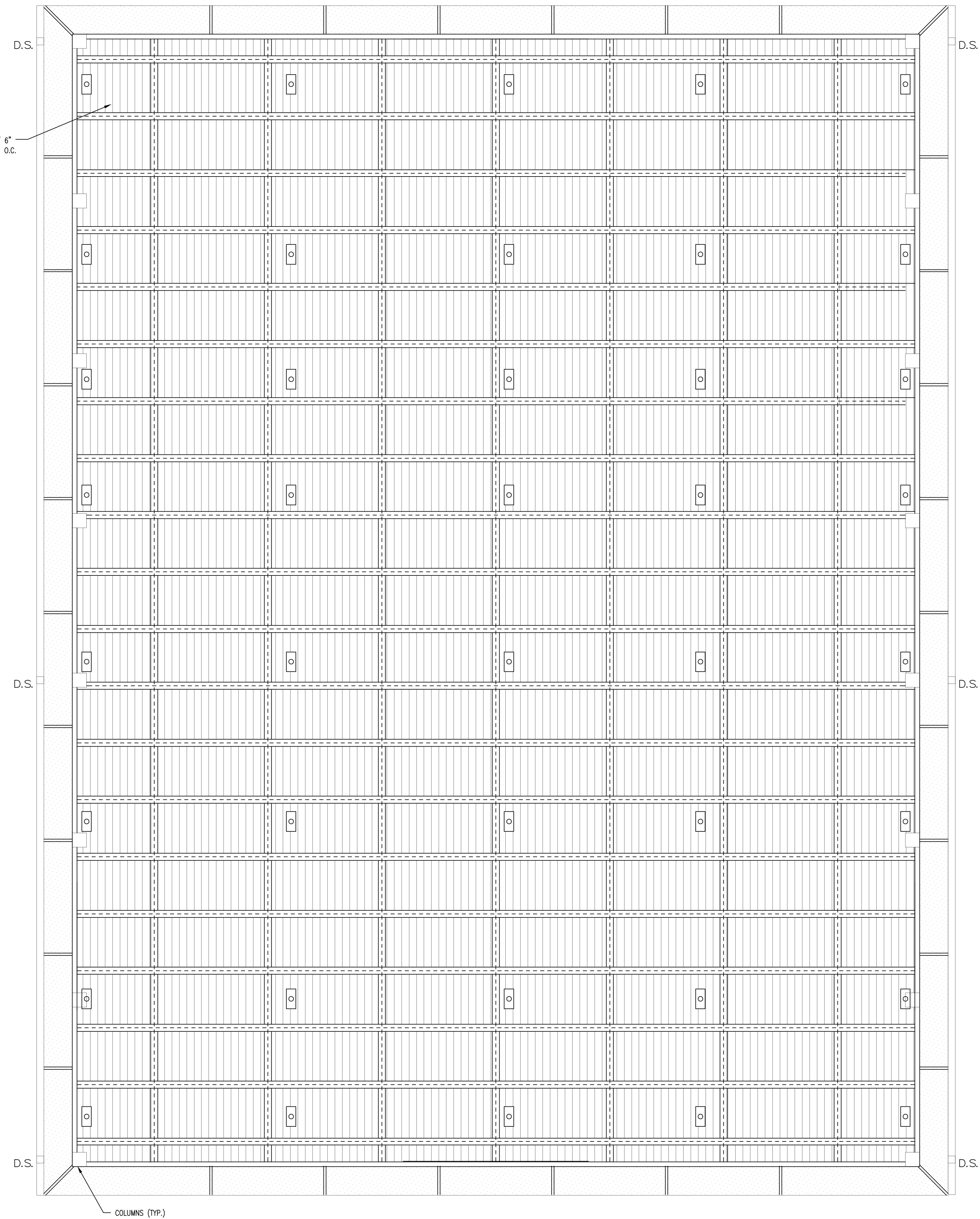
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**A1.7**

37237-01

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SAVED: 8/27/2023  
PLOT: 8/29/2023

HARDI SOFFIT W/ 6"  
HARDI TRIM @ 4' O.C.



### RCP LEGEND

- SURFACE MOUNTED LIGHT
- WALL SURFACE MOUNTED LIGHT
- INTERIOR CEILING FAN/LIGHT W/  
STEM - VERIFY W/ OWNER
- EXHAUST FAN
- SMOKE DETECTOR
- ELECTRICAL METER
- DOOR CHIME - PUSH BUTTON
- DOOR CHIME
- FLOOD LIGHTS
- 5" GYPSUM BOARD- SEE FINISH  
SCHEDULE
- VENTED HARDI SOFFIT
- LSI LIGHTING



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PHONE: (850) 298-1111

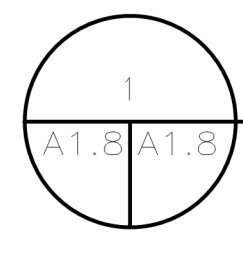
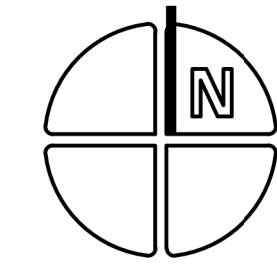
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Victoria Williams  
DN: cn=Victoria  
Williams, o=VBA  
Design, Inc., ou,  
email=vwilliams@  
vbadesign.us,  
c=US  
Date: 2023.08.24  
15:20:26 -05'00'



08-23-23  
DATE

### BATTING CAGE PAVILION REFLECTED CEILING PLAN SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX SOUTHPORT, FL

REV.	BY	DATE	DESCRIPTION



**BATTING CAGE PAVILION REFLECTED CEILING PLAN**

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

**A1.8**

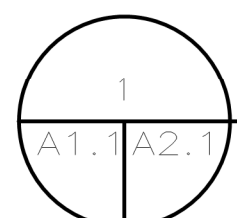
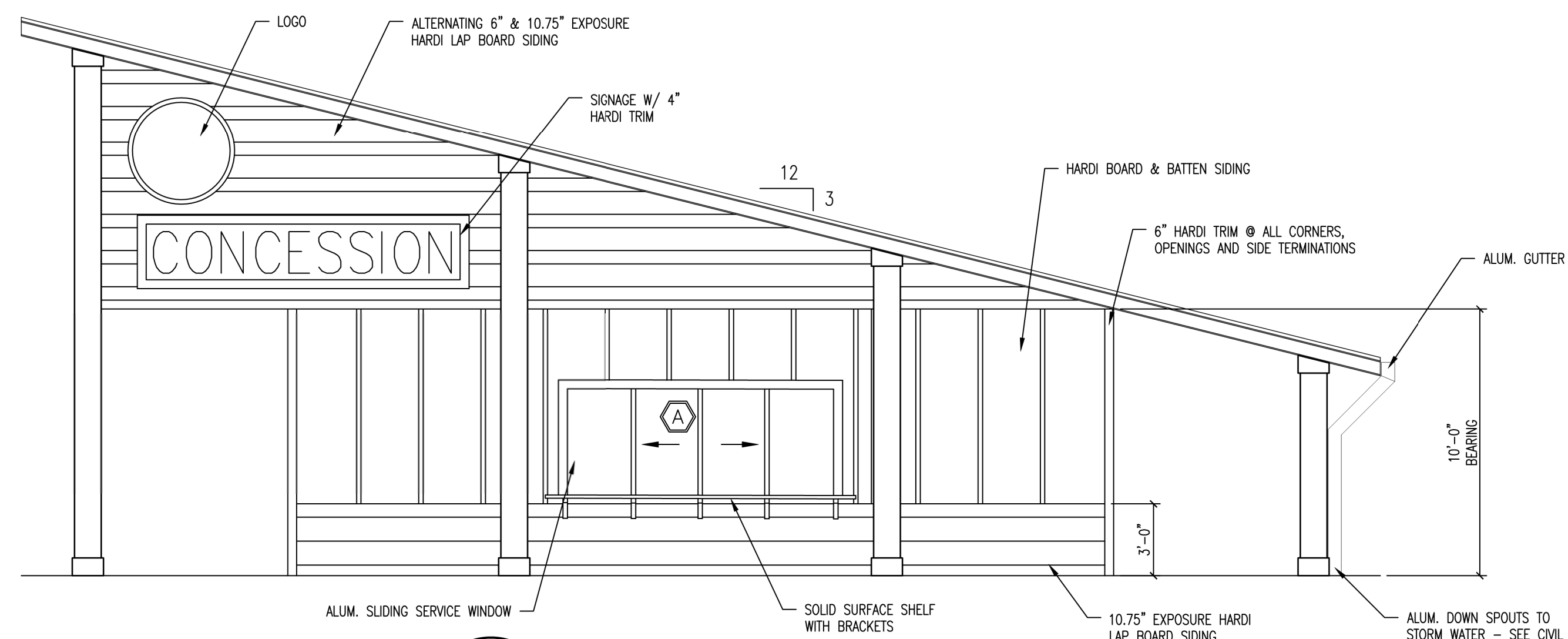
37237-01

Digitally signed by  
Victoria Williams  
DN: cn=Victoria  
Williams, o=VBA  
Design, Inc., ou,  
email=vwilliams@  
badesign.us, c=US  
Date: 2023.08.24  
15:20:52 -05'00'08-23-23  
DATE

CONCESSION EXTERIOR ELEVATIONS

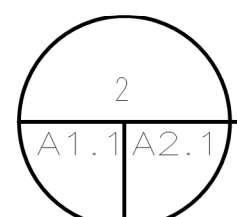
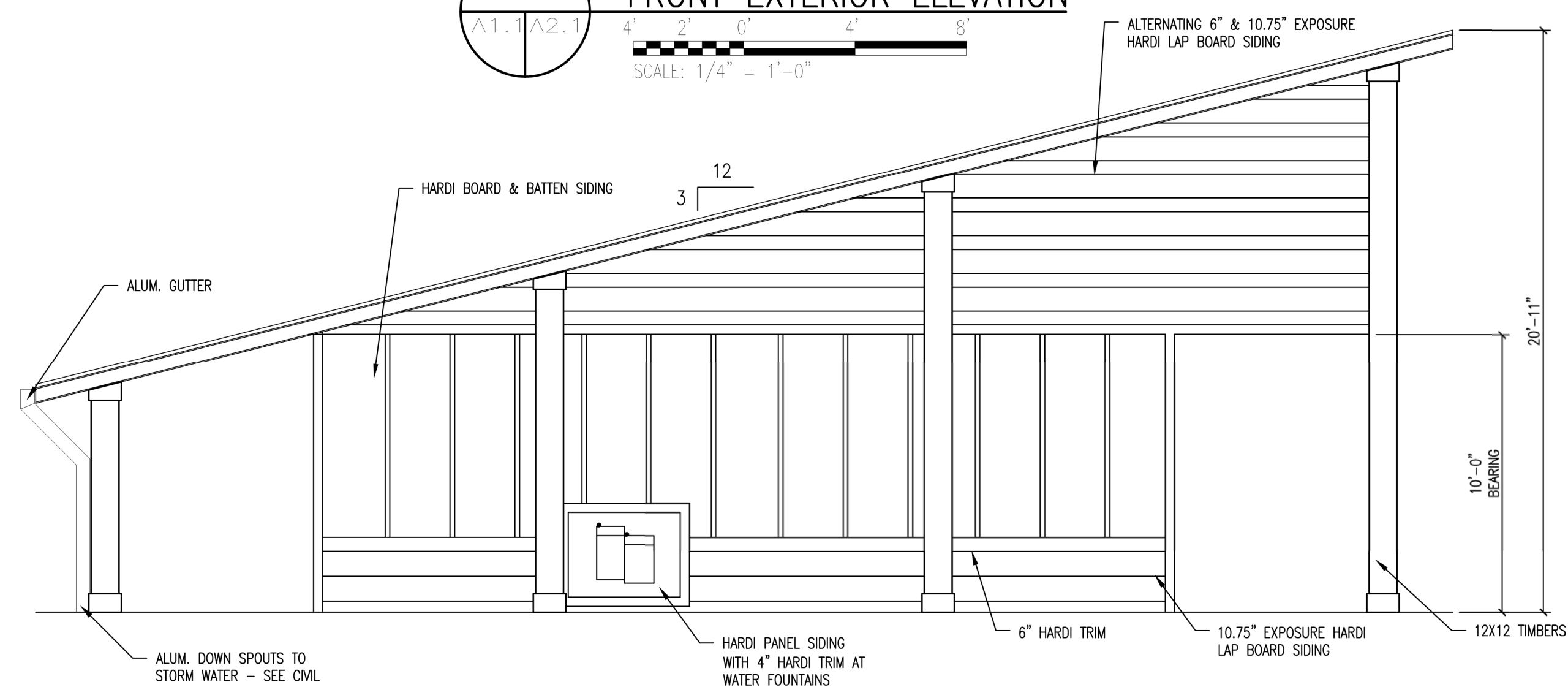
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

NOTES
-------



FRONT EXTERIOR ELEVATION

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



REAR EXTERIOR ELEVATION

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

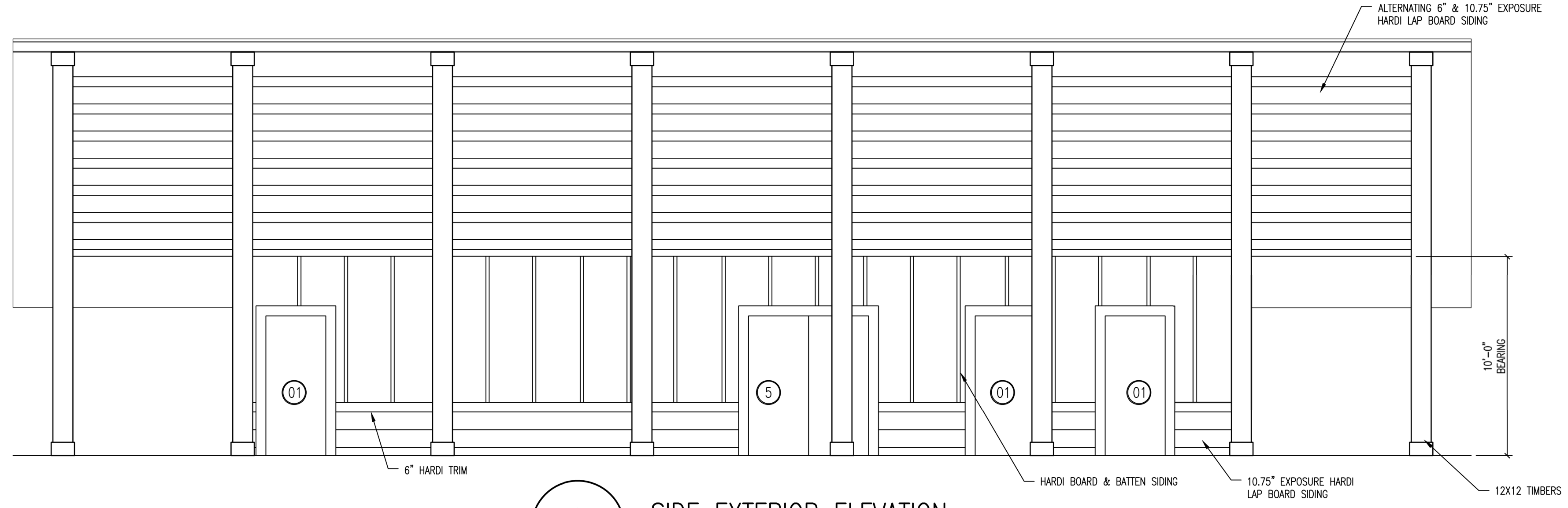
REV. / DR. / CHK. / DATE / DESCRIPTION

REV.	DR.	CHK.	DATE	DESCRIPTION

A2.1

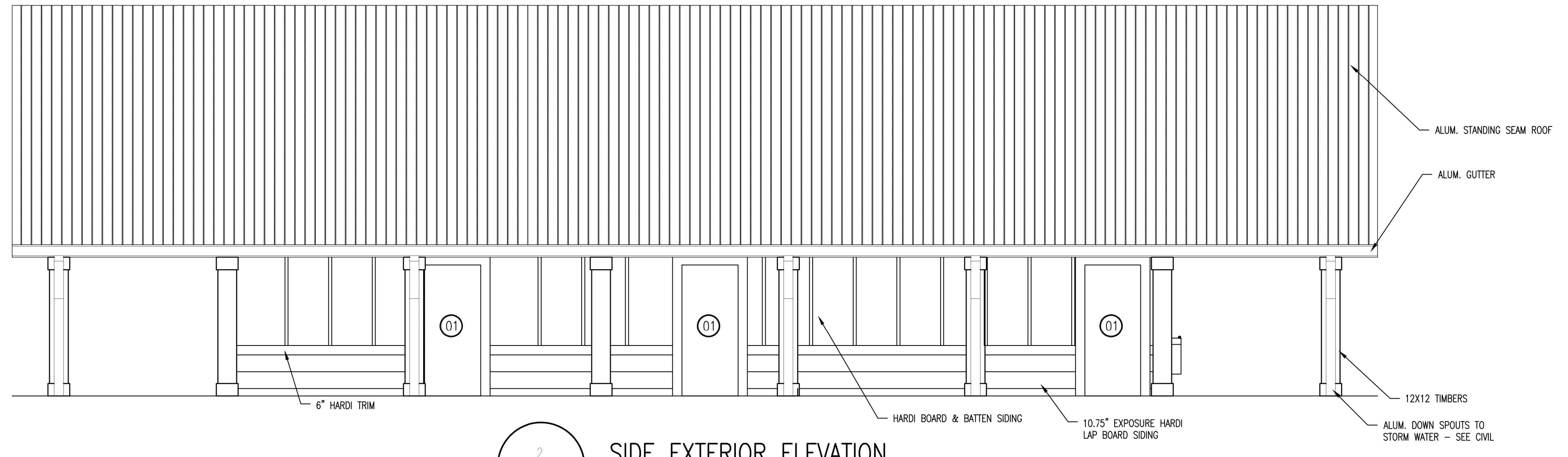
37237-01

NOTES



1  
A1.1 | A2.2  
4' 2' 0" 4' 8"  
SCALE: 1/4" = 1'-0"

SIDE EXTERIOR ELEVATION



2  
A1.1 | A2.2  
4' 2' 0" 4' 8"  
SCALE: 1/4" = 1'-0"

SIDE EXTERIOR ELEVATION



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Victoria Williams  
DN: cn=Victoria  
Williams, o=VBA  
Design, Inc., ou,  
email=williams@vba  
design.us, c=US  
Date: 2023.08.24  
15:21:09 -05'00'

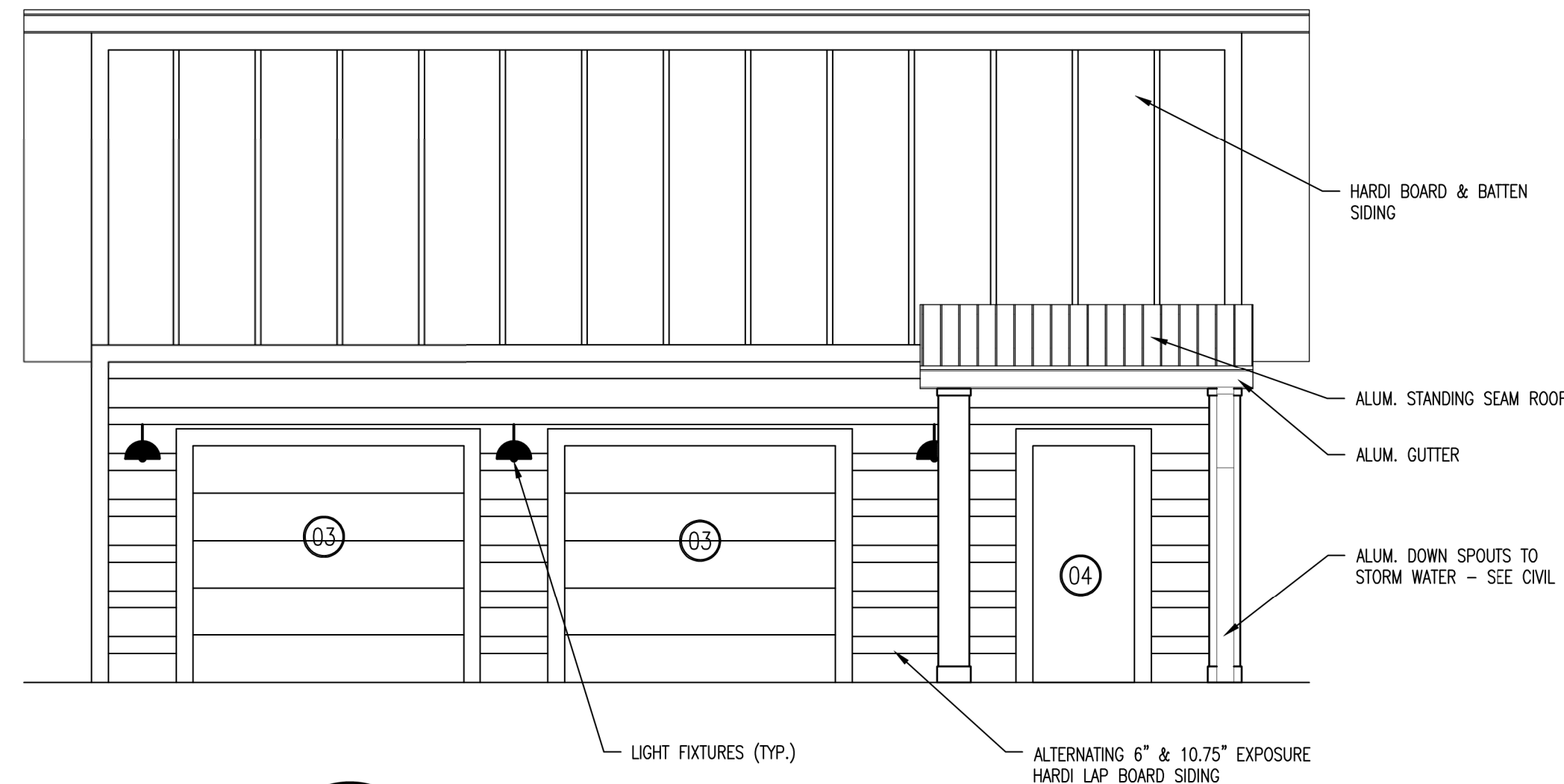


08-23-23  
DATE

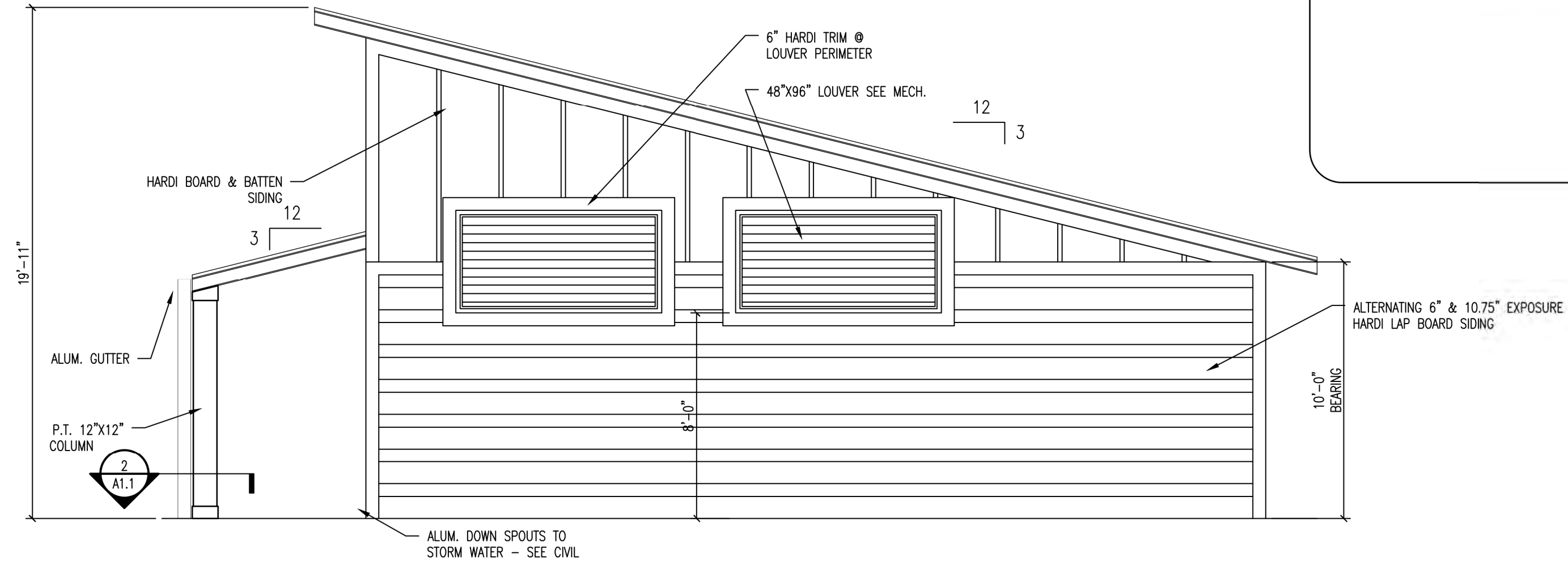
CONCESSION EXTERIOR ELEVATIONS  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	BY	CHK.	DATE	DESCRIPTION

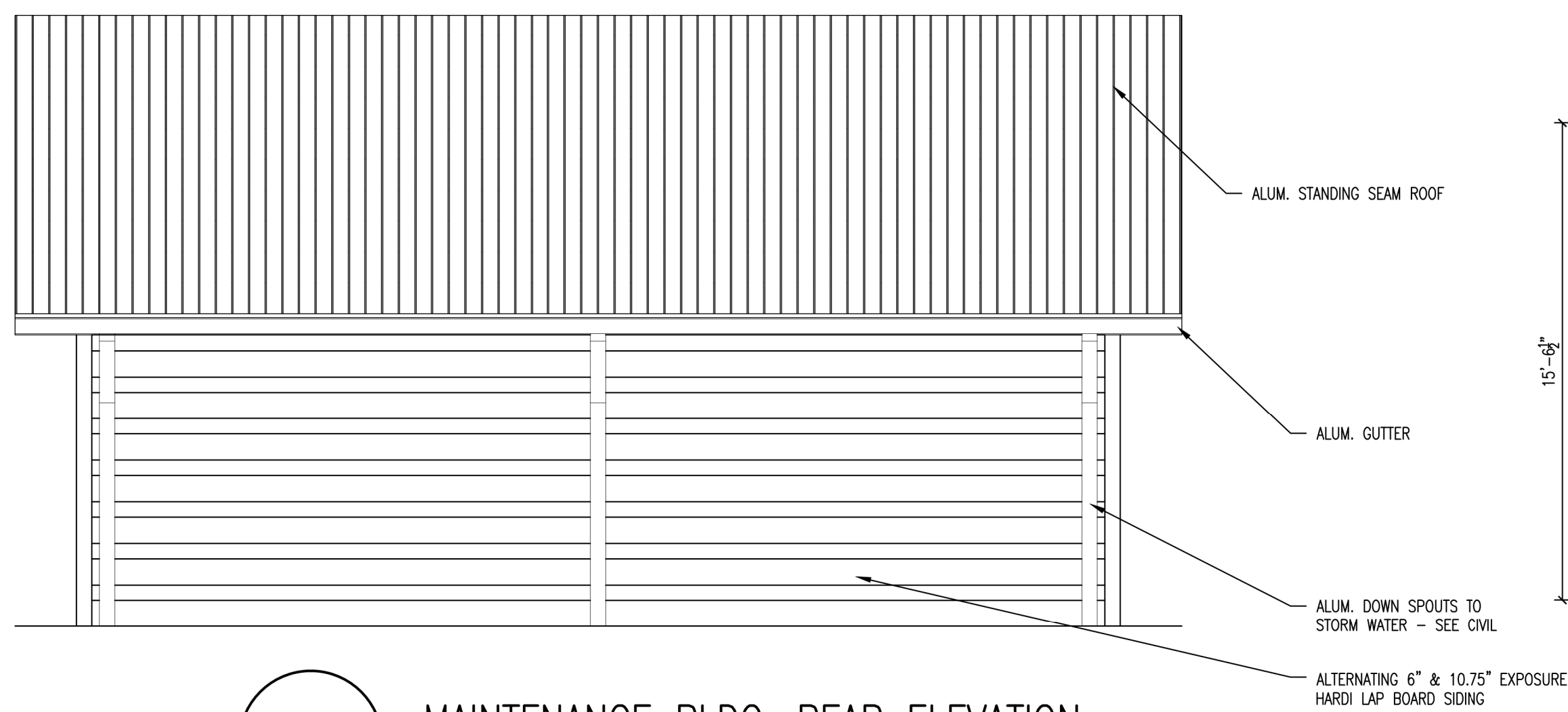
A2.2  
37237-01



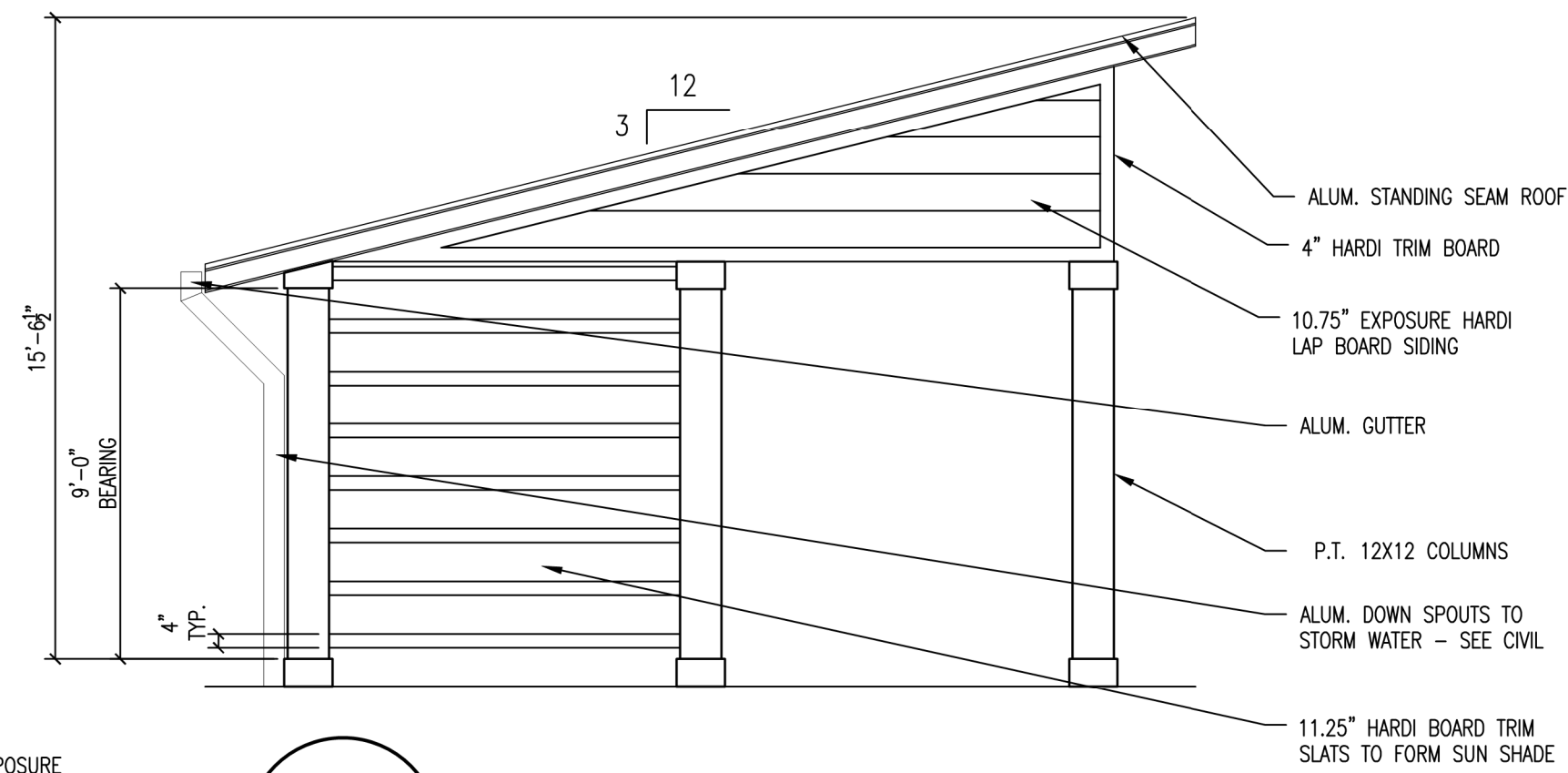
1 MAINTENANCE BLDG. FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



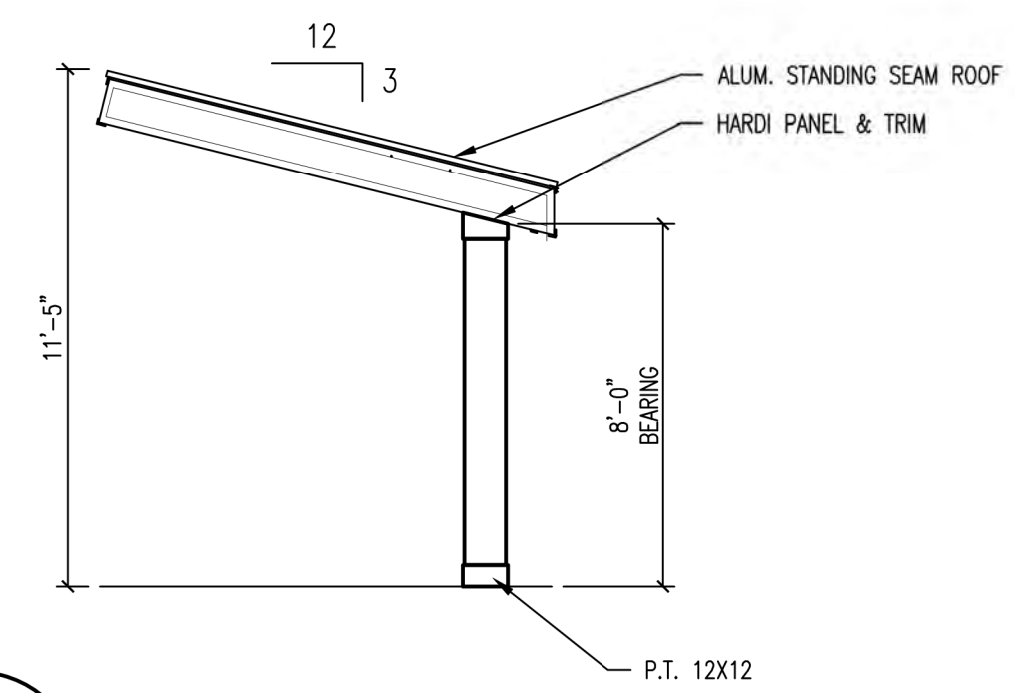
2 MAINTENANCE BLDG. SIDE ELEVATION (TYP.)  
SCALE: 1/4" = 1'-0"



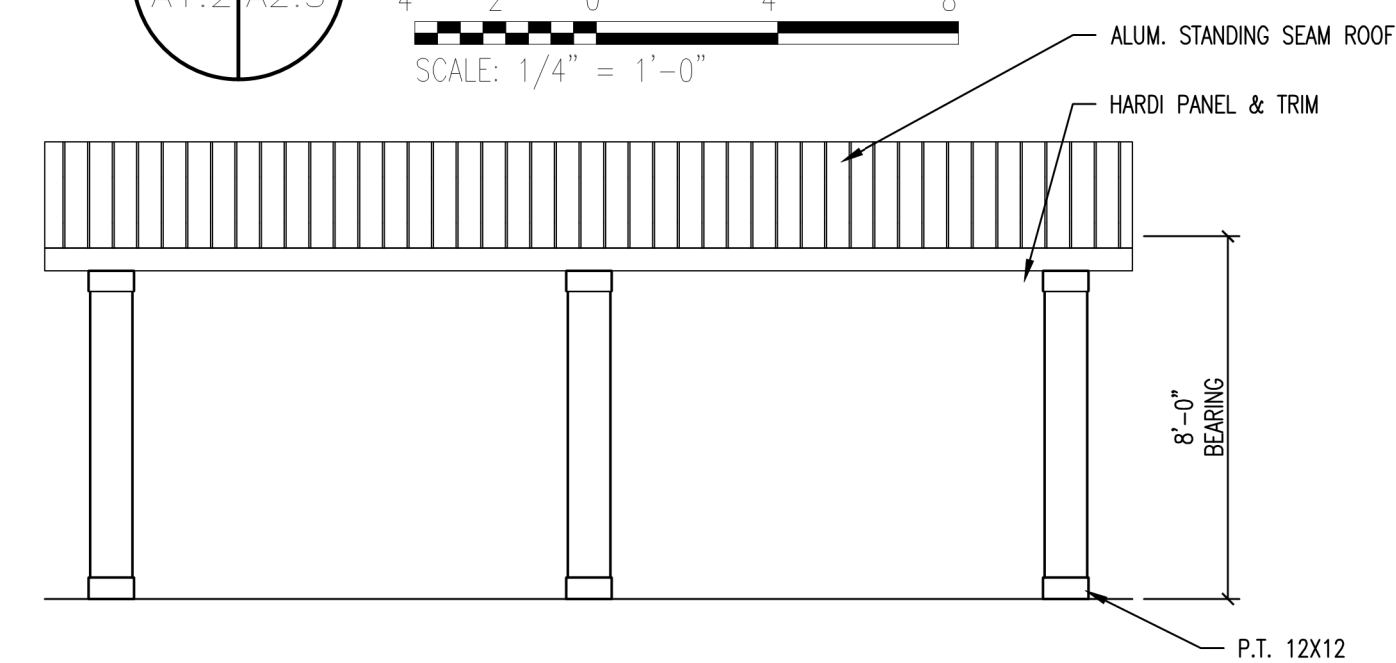
3 MAINTENANCE BLDG. REAR ELEVATION  
SCALE: 1/4" = 1'-0"



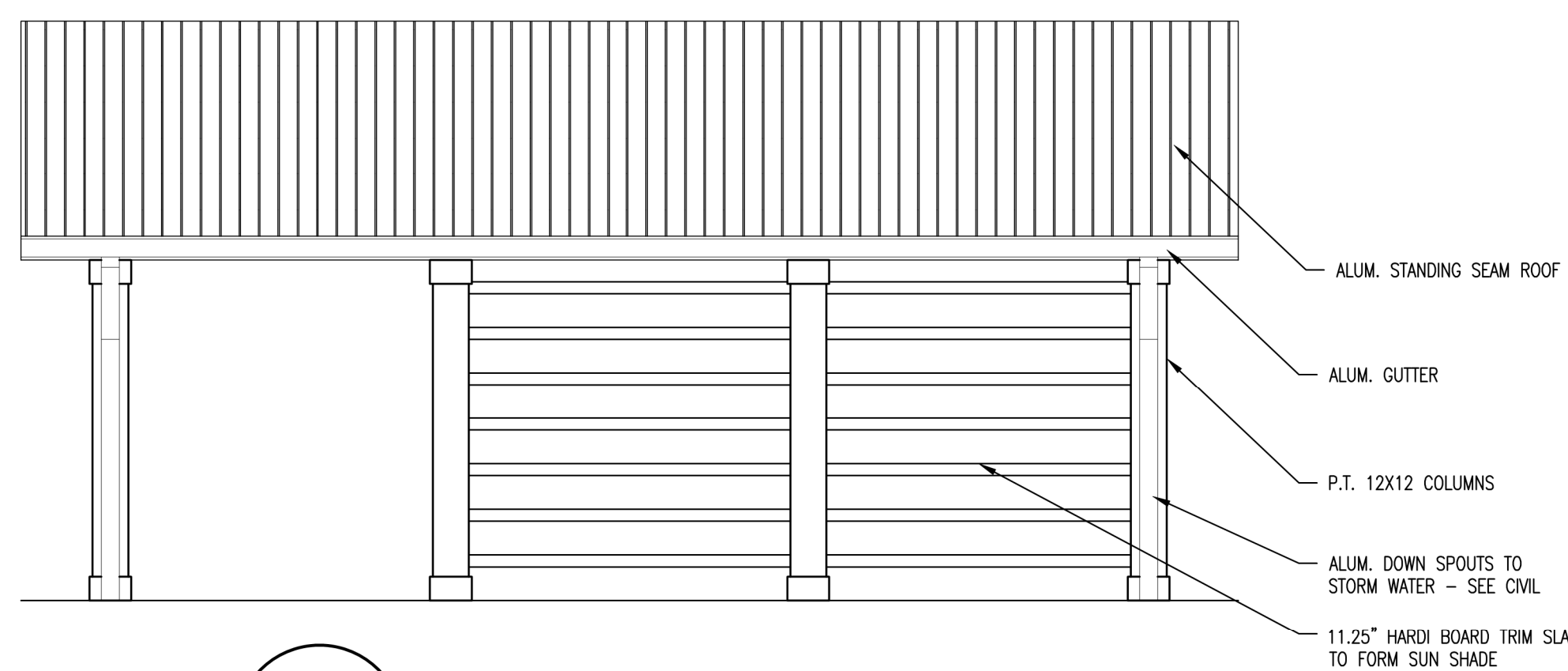
4 PAVILION FRONT ELEVATION (TYP.)  
SCALE: 1/4" = 1'-0"



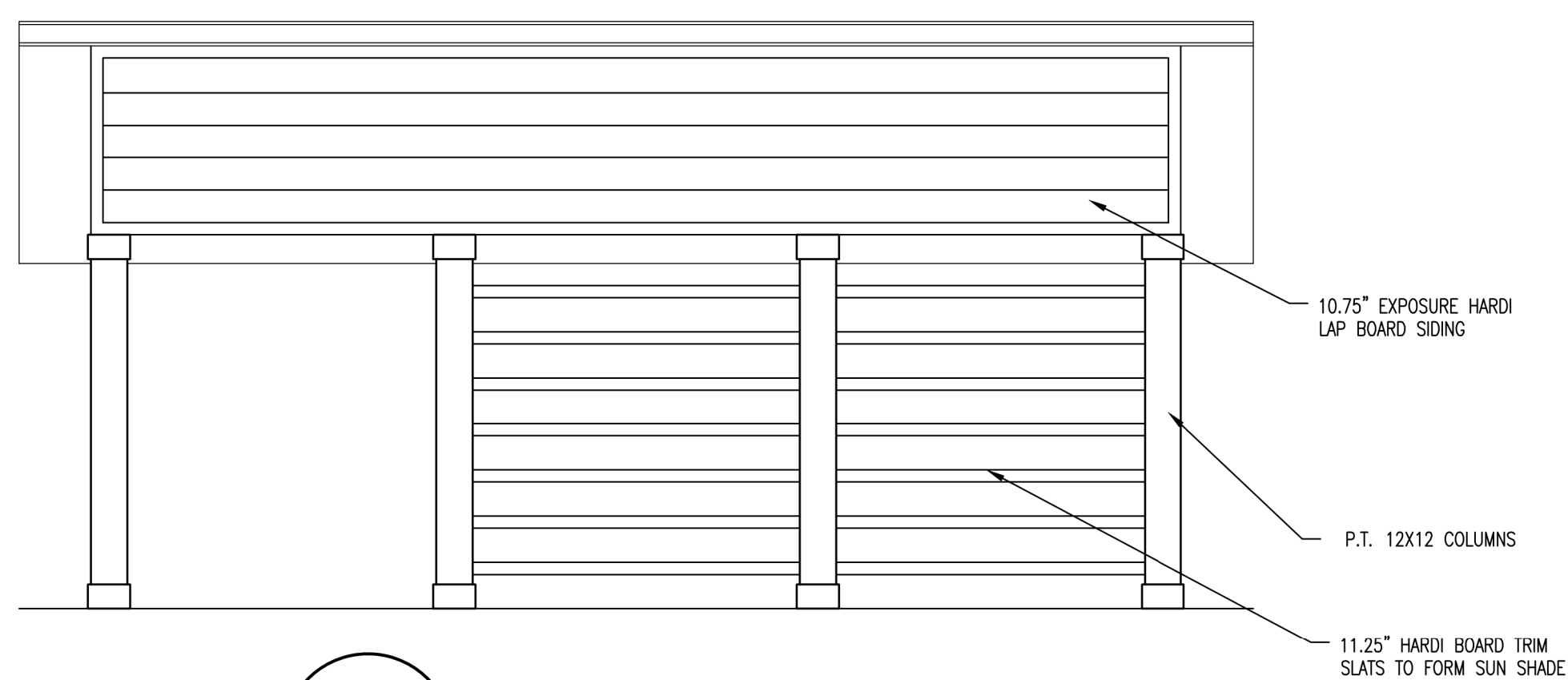
7 DUGOUT SIDE ELEVATION (TYP.)  
SCALE: 1/4" = 1'-0"



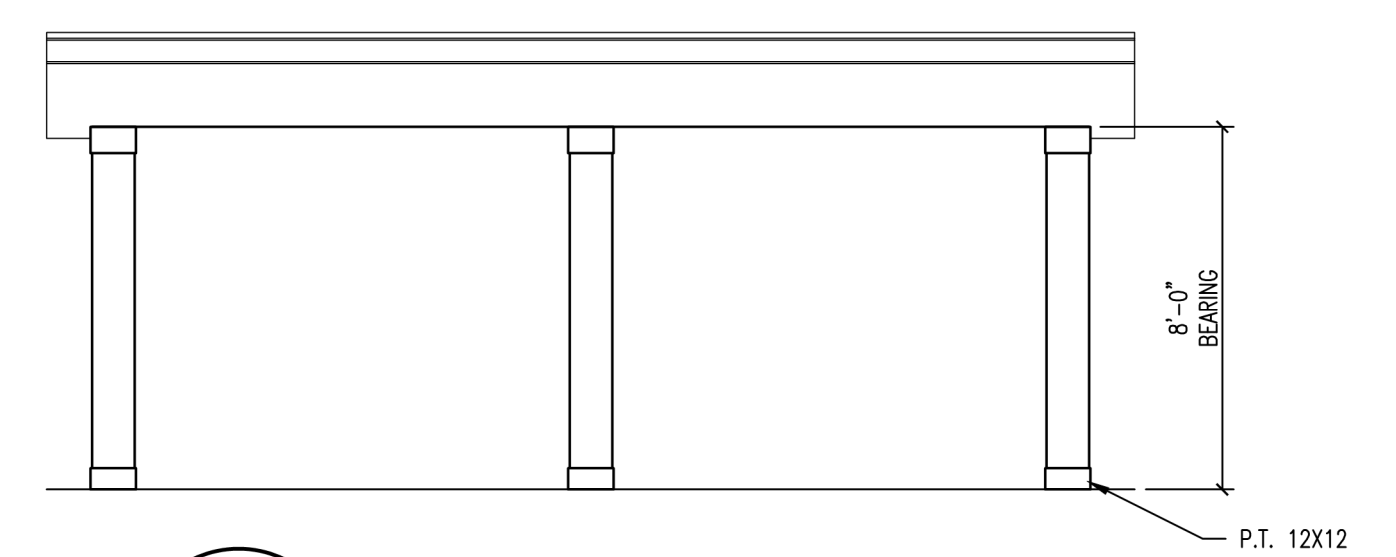
8 DUGOUT FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



5 PAVILION SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



6 PAVILION SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



9 DUGOUT REAR ELEVATION  
SCALE: 1/4" = 1'-0"

NOTES

**BARGE**  
DESIGN SOLUTIONS

8140 Hummer Avenue / Suite 105 / Panama City, Florida 32401  
PHONE: (904) 298-1121



Digitally signed by Victoria Williams  
DN: cn=Victoria Williams, o=VBA Design, Inc., ou, email=vwilliams@vbadesign.us, c=US  
Date: 2023.08.24 15:21:28 -0500

**VBA**  
DESIGN

08-23-23  
DATE

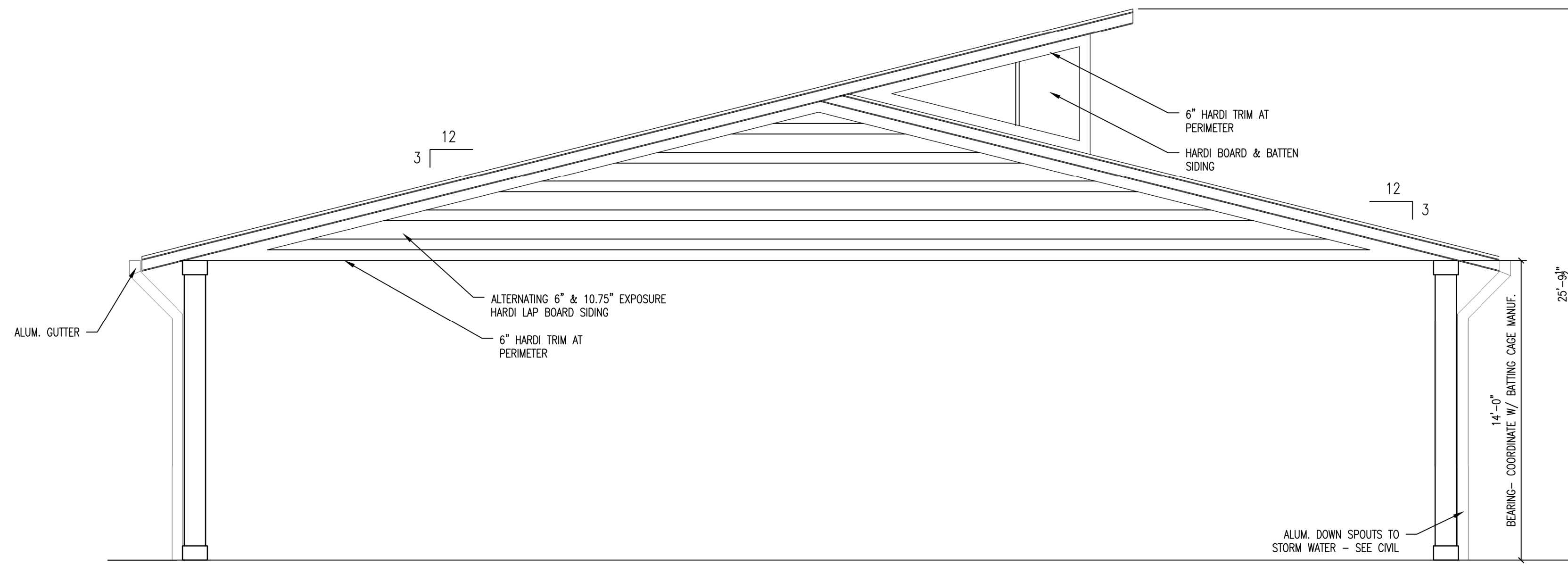
MAINTENANCE BLDG., PAVILION, & DUGOUT EXTERIOR ELEVATIONS  
SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX SOUTHPORT, FL

REV.	BY	DATE	DESCRIPTION

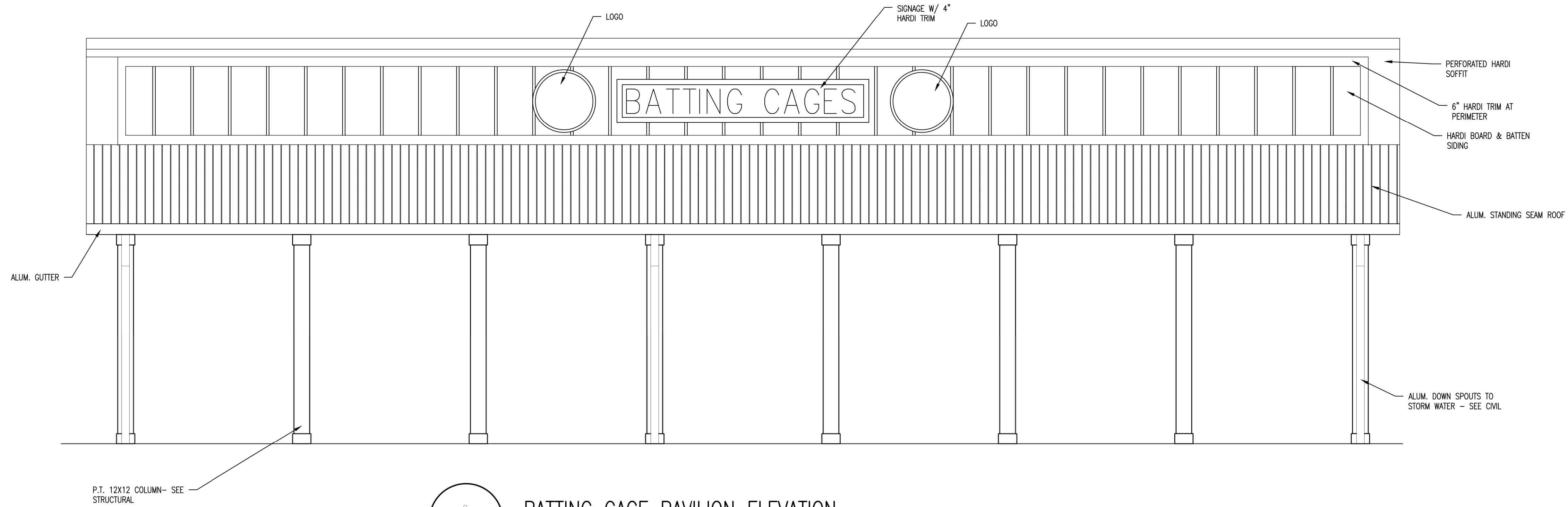
A2.3

37237-01

NOTES



**1**  
BATting CAGE PAVILION ELEVATION  
A1.6 A2.4  
SCALE: 1/4" = 1'-0"



**2**  
BATting CAGE PAVILION ELEVATION  
A1.6 A2.4  
SCALE: 1/4" = 1'-0"

**BARGE**  
DESIGN SOLUTIONS  
810 Hummer Avenue / Suite 105 / Panama City, Florida 32401  
PHONE: (850) 298-9121

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Victoria Williams  
DN: cn=Victoria  
Williams, ou=VBA  
Design, Inc. ou,  
email=vwilliams@  
vbadesign.us,  
c=US  
Date: 2023.08.24  
15:22:05 -05'00'



08-23-23  
DATE

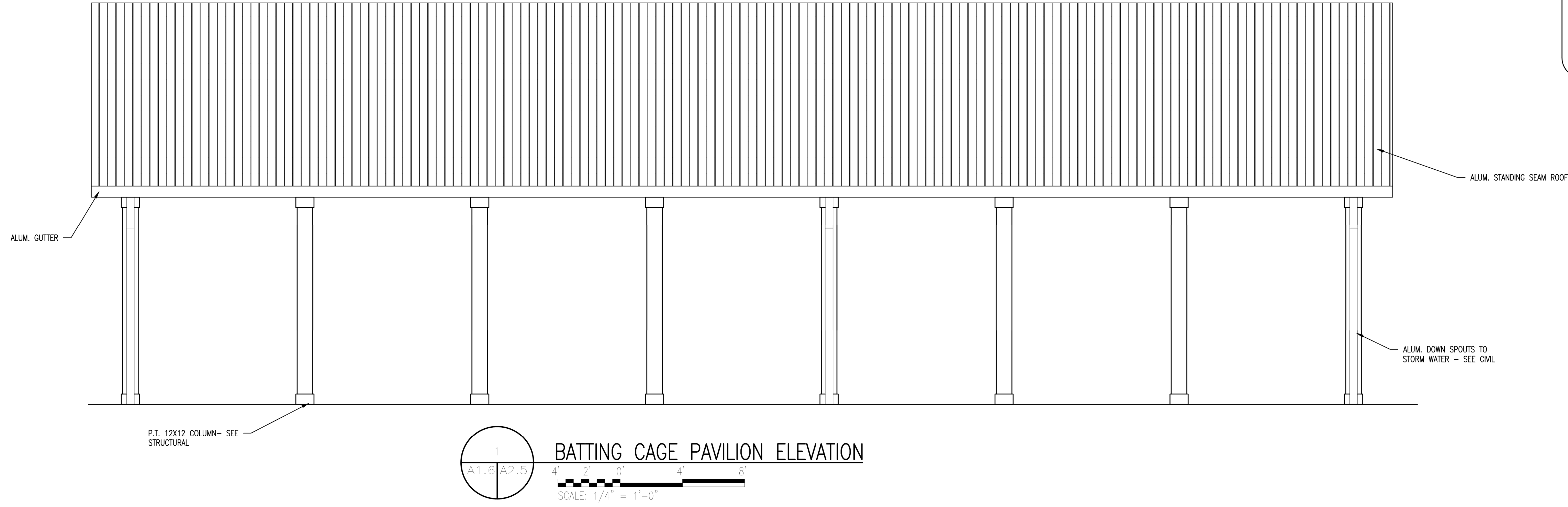
BATting CAGE PAVILION  
EXTERIOR ELEVATIONS  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DR.	DATE	DESCRIPTION

A2.4

37237-01

USER:PERNE  
 FILE E:\Production Desktop\BAs\Southport Sports\DWGs.dwg  
 SAVED:8/21/2023  
 PLOT:8/22/2023



BATTING CAGE PAVILION ELEVATION  
 SCALE: 1/4" = 1'-0"

NOTES



Digitally signed by  
 Victoria Williams  
 DN: cn=Victoria  
 Williams, o=VBA  
 Design, Inc. ou,  
 email=vwilliams@  
 vbadesign.us,  
 c=US  
 Date: 2023.08.24  
 15:22:49 -05'00'



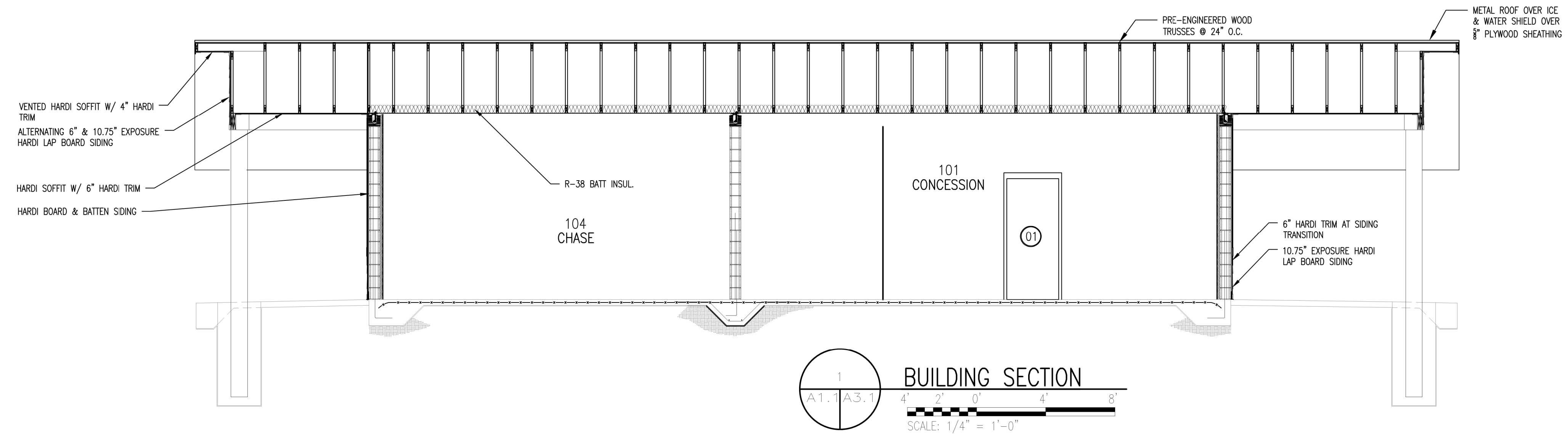
08-23-23  
 DATE

BATTING CAGE PAVILION  
 EXTERIOR ELEVATIONS  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

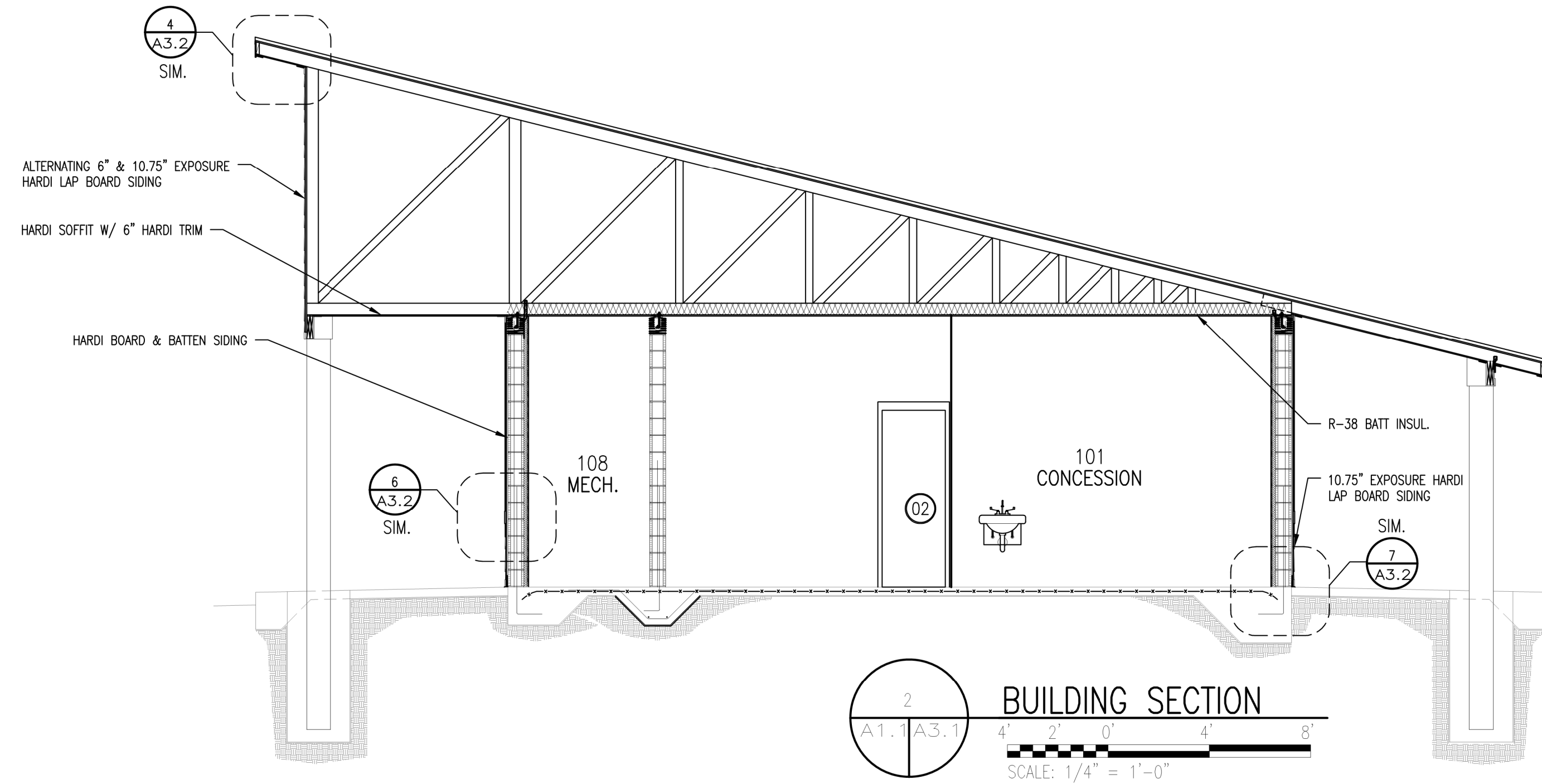
REV.	BY	CHK.	DATE	DESCRIPTION

A2.5  
 37237-01

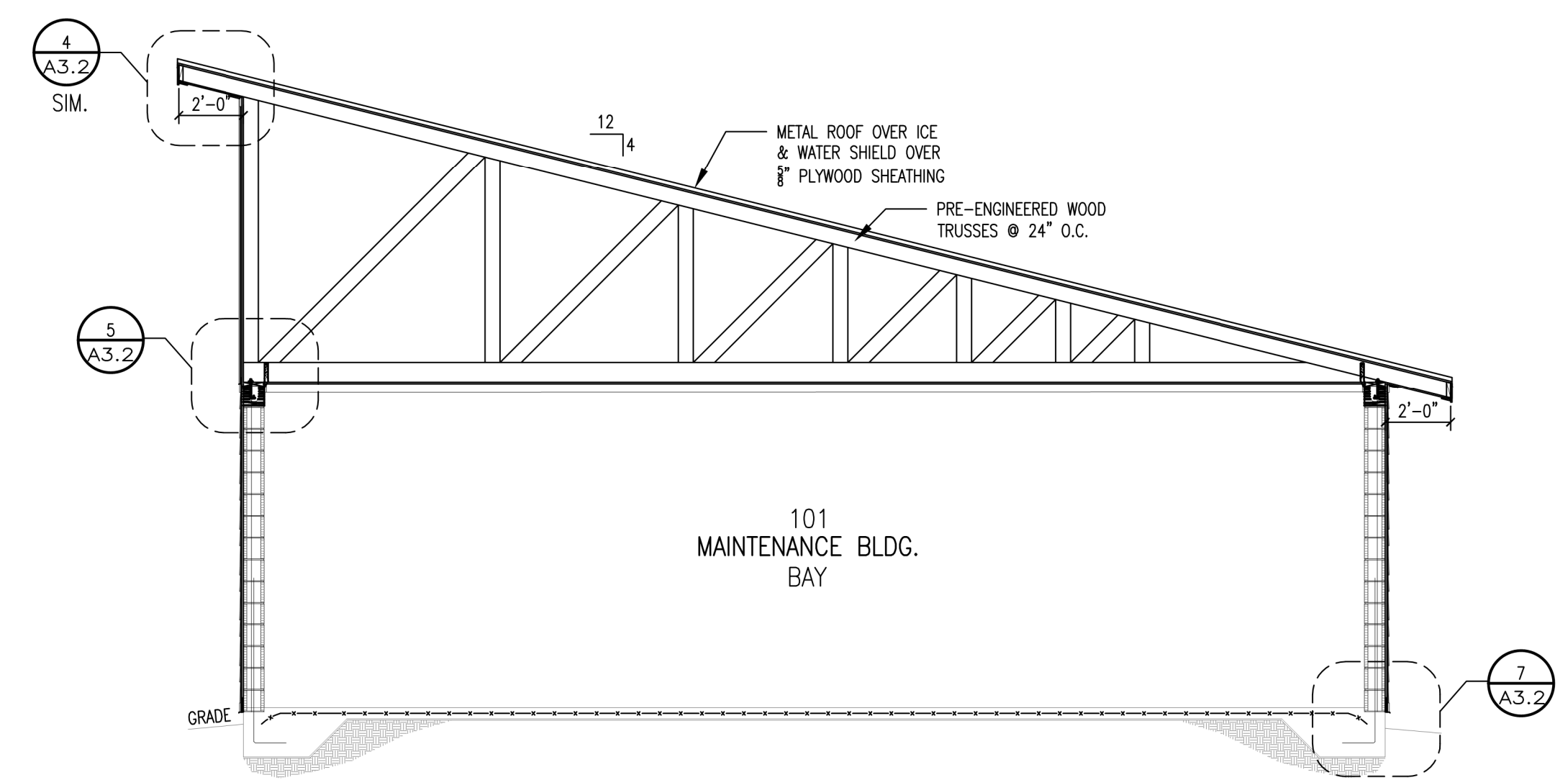




**BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

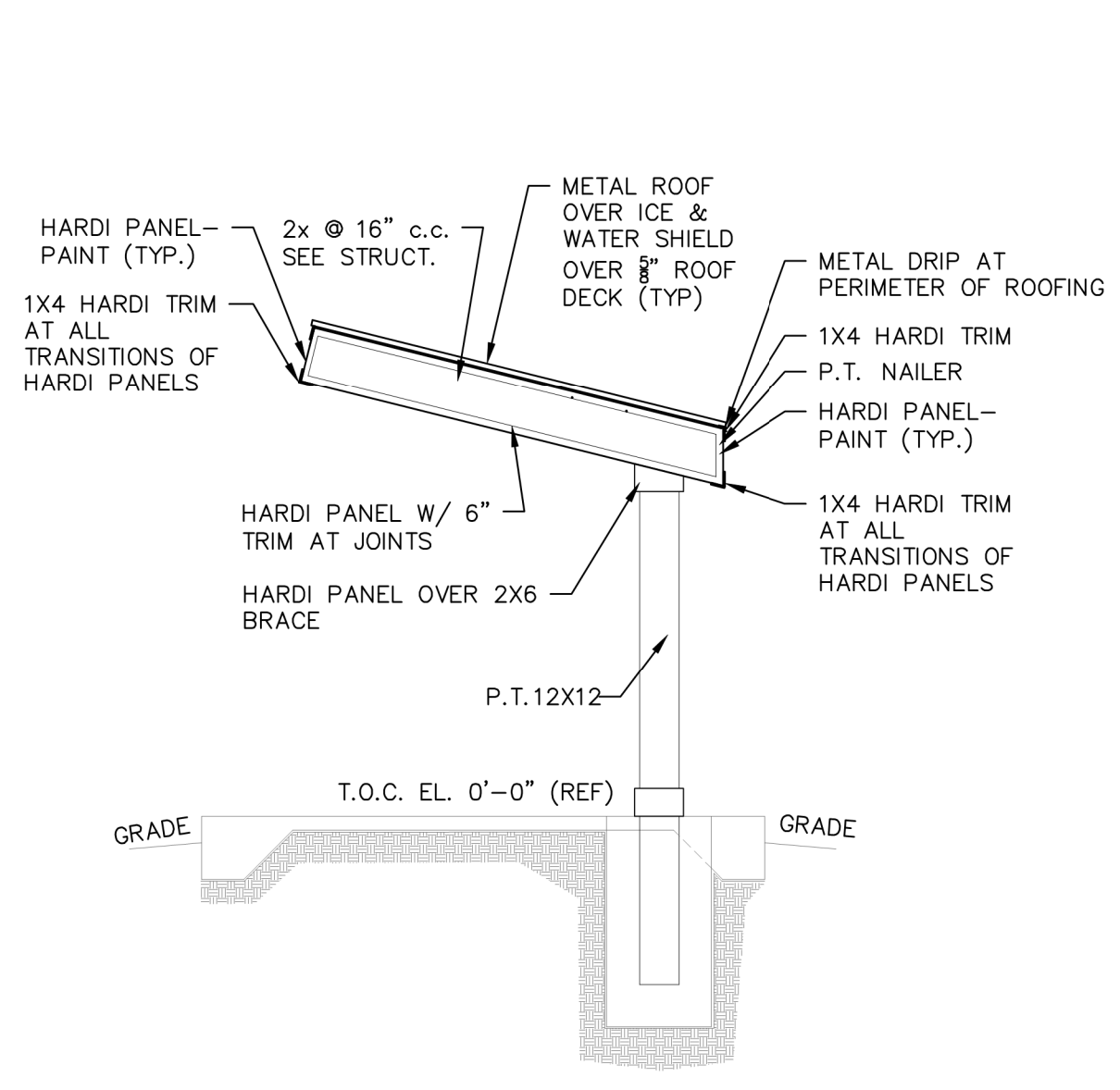


**BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

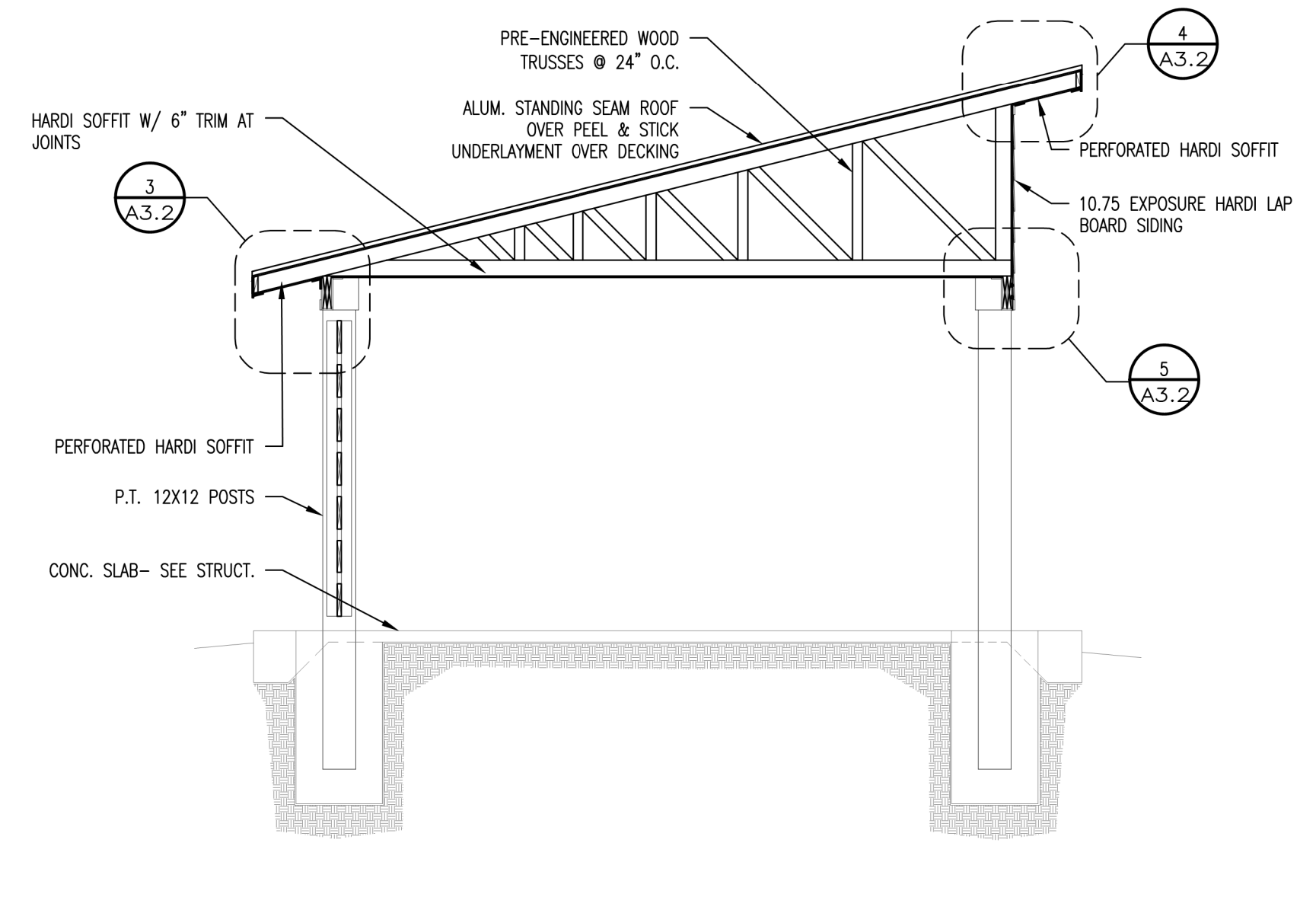


**BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

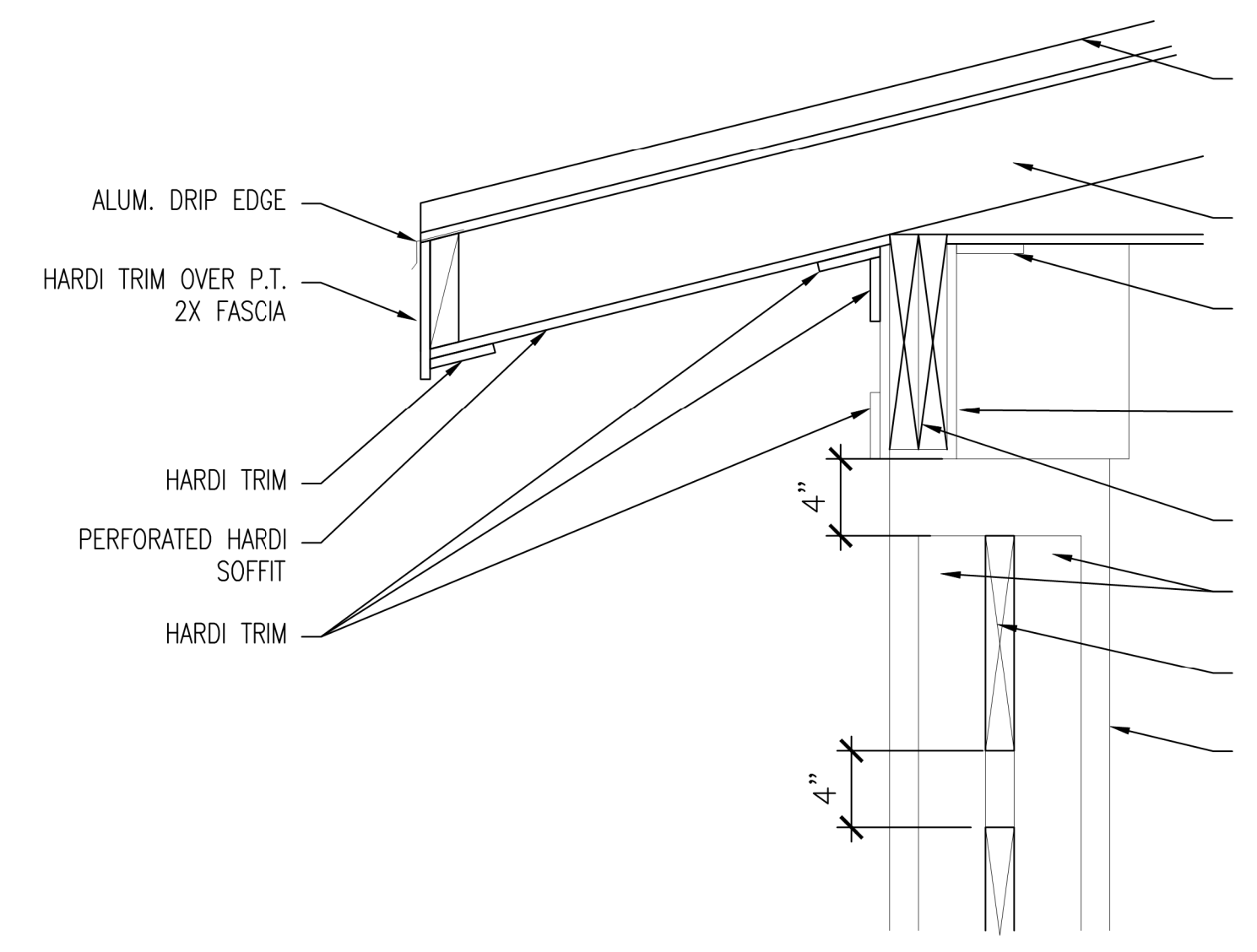
REV.	BY	CHK.	DATE	DESCRIPTION



**SECTION 1**  
A1.2 A3.2  
SCALE: 1/4" = 1'-0"



**BUILDING SECTION 2**  
A1.1 A3.2  
SCALE: 1/4" = 1'-0"



**SECTION 3**  
A1.2 A3.2  
SCALE: 1 1/2" = 1'-0"

ALUM. STANDING SEAM ROOF OVER PEEL & STICK UNDERLAYMENT OVER DECKING

PRE-ENGINEERED WOOD TRUSSES @ 24" O.C.

HARDI TRIM

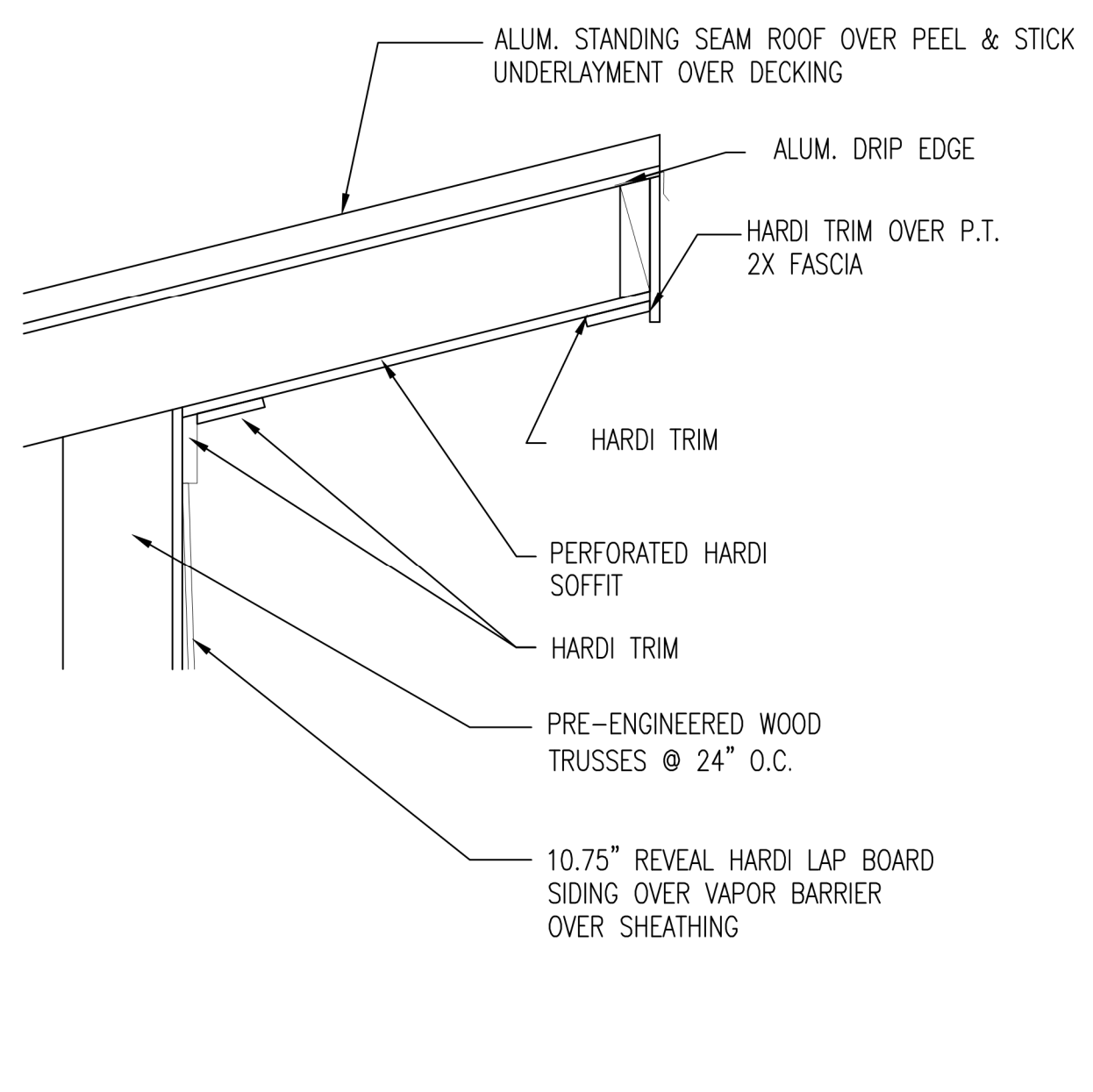
HARDI TRIM TO WRAP BEAM- FURR OUT AS NECESSARY AT COLUMN BEYOND TO ENCAPSULATE BOLTS/CONNECTORS

BEAM- SEE STRUCT.

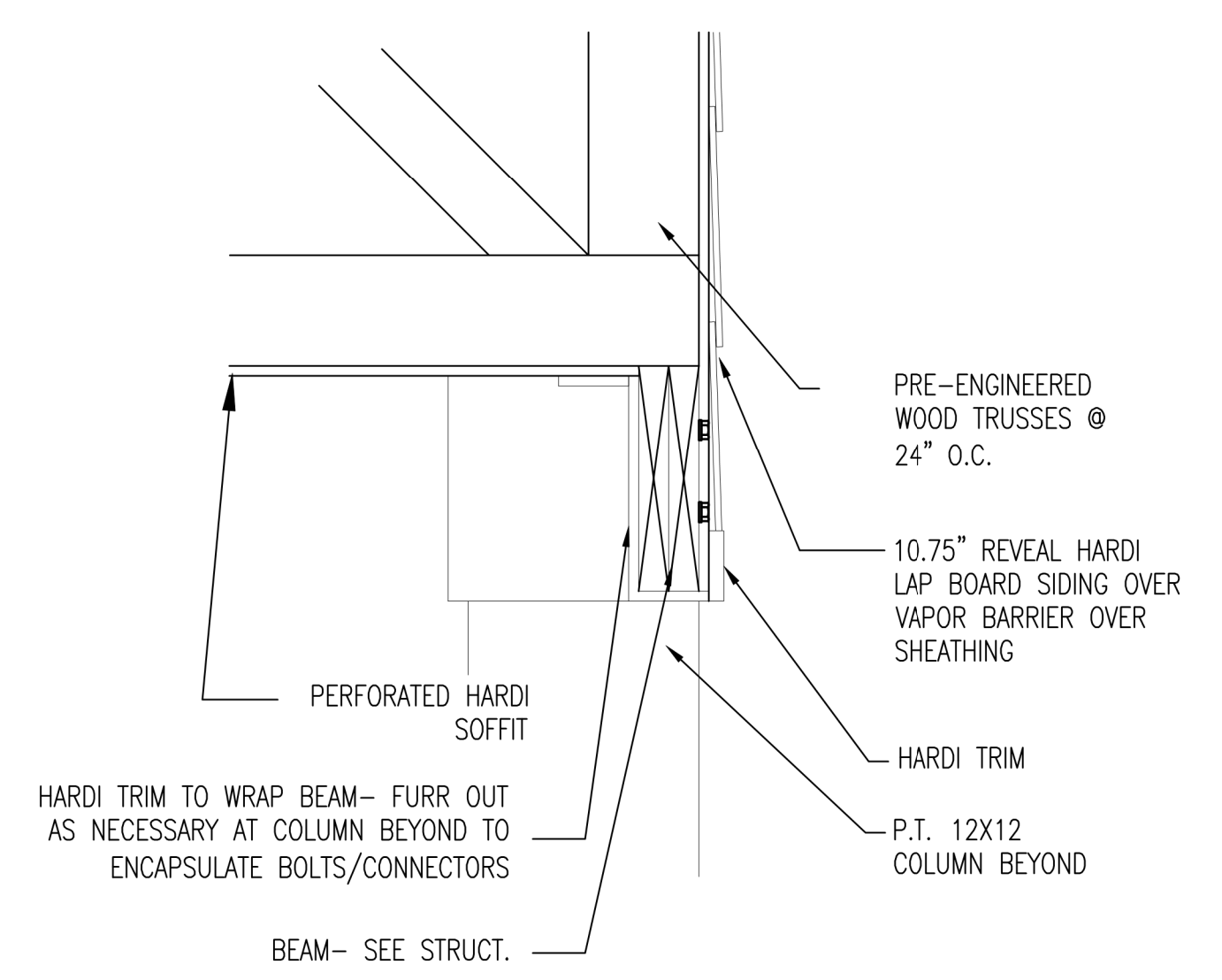
P.T. 2X4 BEYOND TO FRAME OUT 2X12 CONNECTION AT COLUMNS

P.T. 2X12 SUN SLATS W/ 4" SPACES

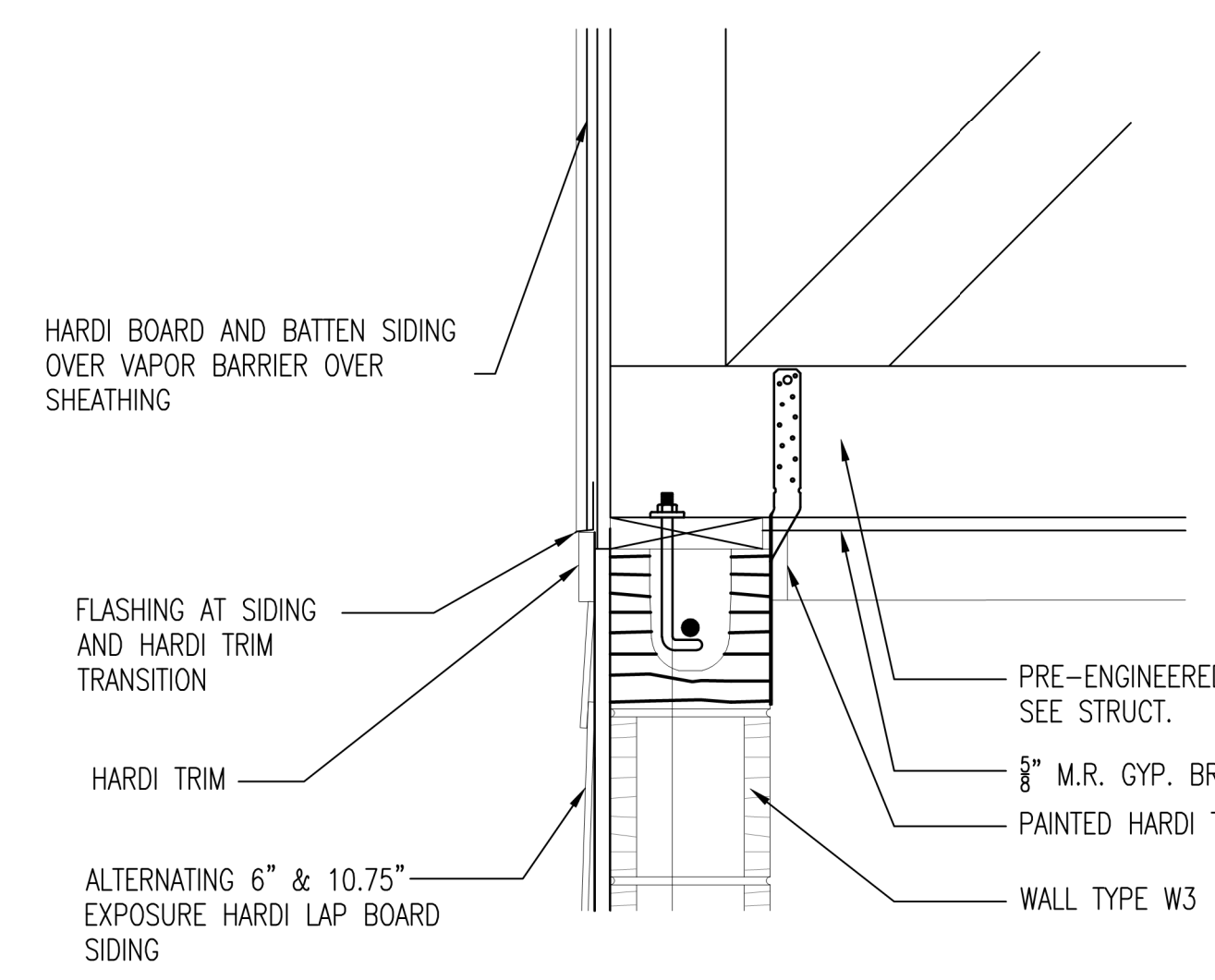
P.T. 12X12 COLUMN BEYOND



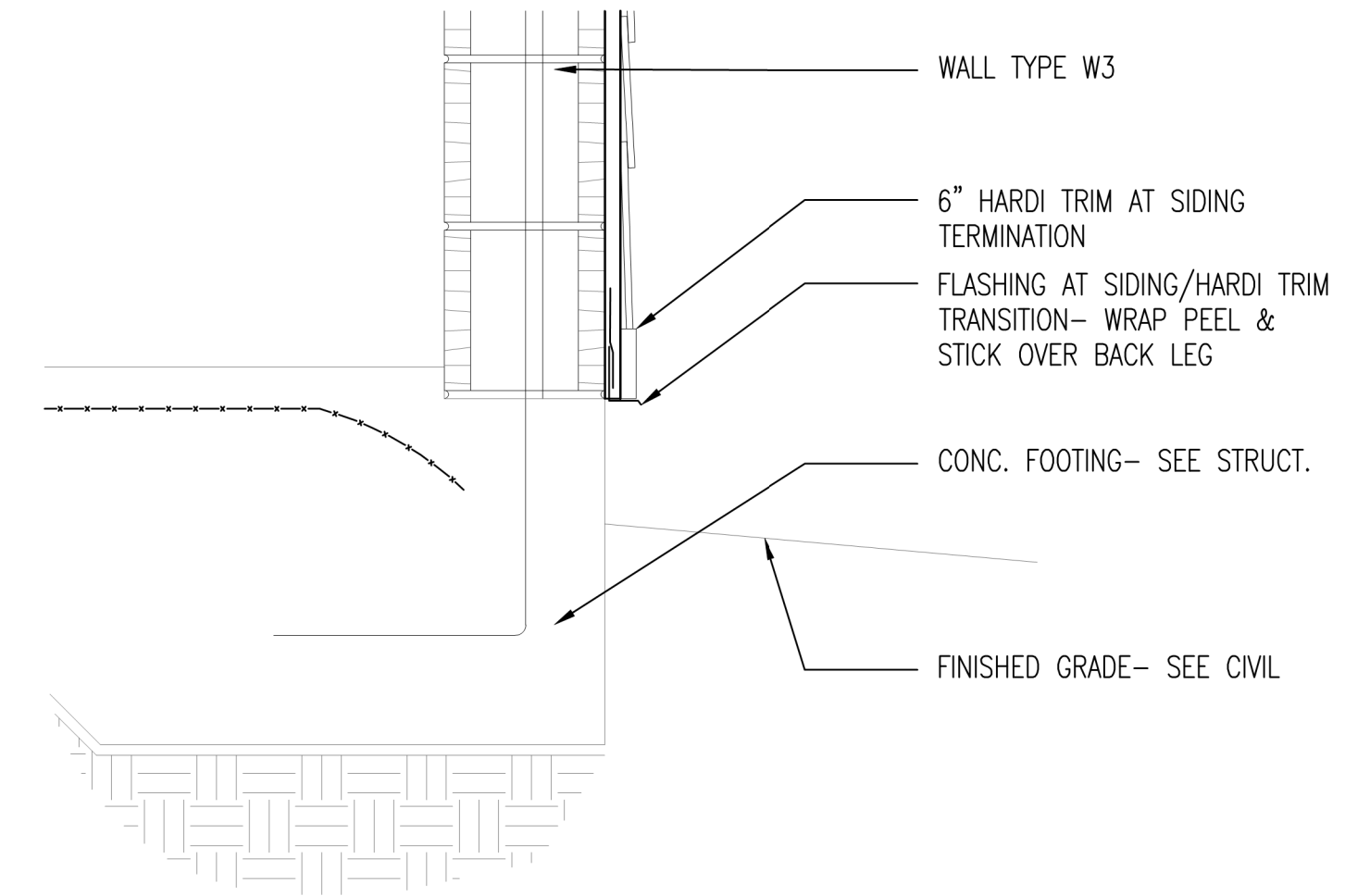
**SECTION 4**  
A1.2 A3.2  
SCALE: 1 1/2" = 1'-0"



**SECTION 5**  
A1.2 A3.2  
SCALE: 1 1/2" = 1'-0"



**SECTION 6**  
A1.2 A3.2  
SCALE: 1 1/2" = 1'-0"



**SECTION 7**  
A1.2 A3.2  
SCALE: 1 1/2" = 1'-0"

**BARGE DESIGN SOLUTIONS**

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PHONE: (850) 298-1121

Digitally signed by  
Victoria Williams  
DN: cn=Victoria Williams, ou=VBA Design, inc., ou, email=vwilliams@vbadesign.us, c=US  
Date: 2023.08.24 15:23:35 -05'00'

**VBA DESIGN**

08-23-23  
DATE

BUILDING SECTIONS

SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX

SOUTHPORT, FL

REV.	DR.	DATE	DESCRIPTION

**A3.2**  
37237-01

USER:PERNE  
FILE:E:\Phudson Desktop\VBA\Southport Sports\DWG.dwg  
SAVED:8/23/2023  
PLOT:8/23/2023

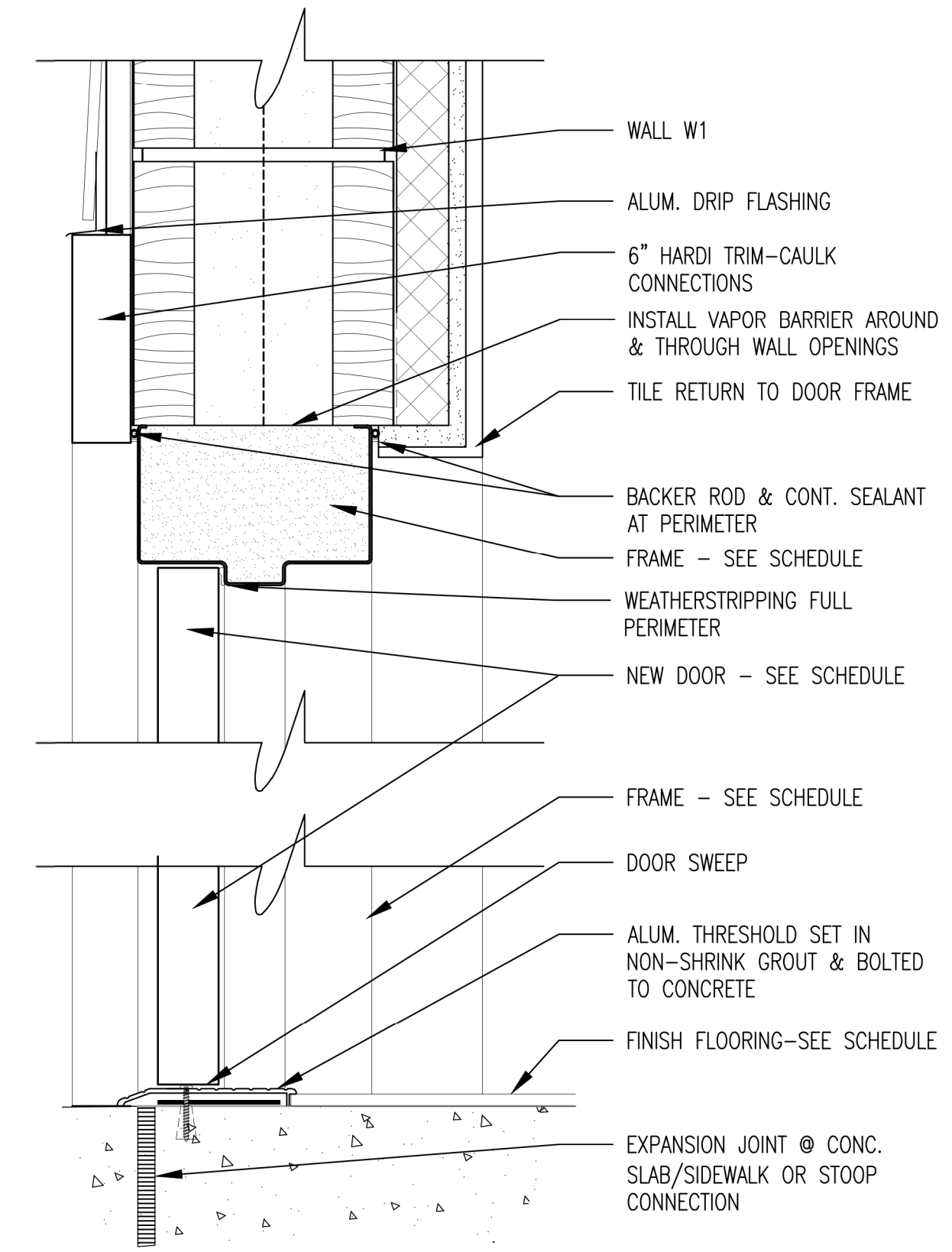


Digitally signed by  
Victoria Williams  
DN: cn=Victoria  
Williams, o=VBA  
Design, Inc., ou=  
email=williams@v  
badesign.us, c=US  
Date: 2023.08.24  
15:23:57 -05'00'

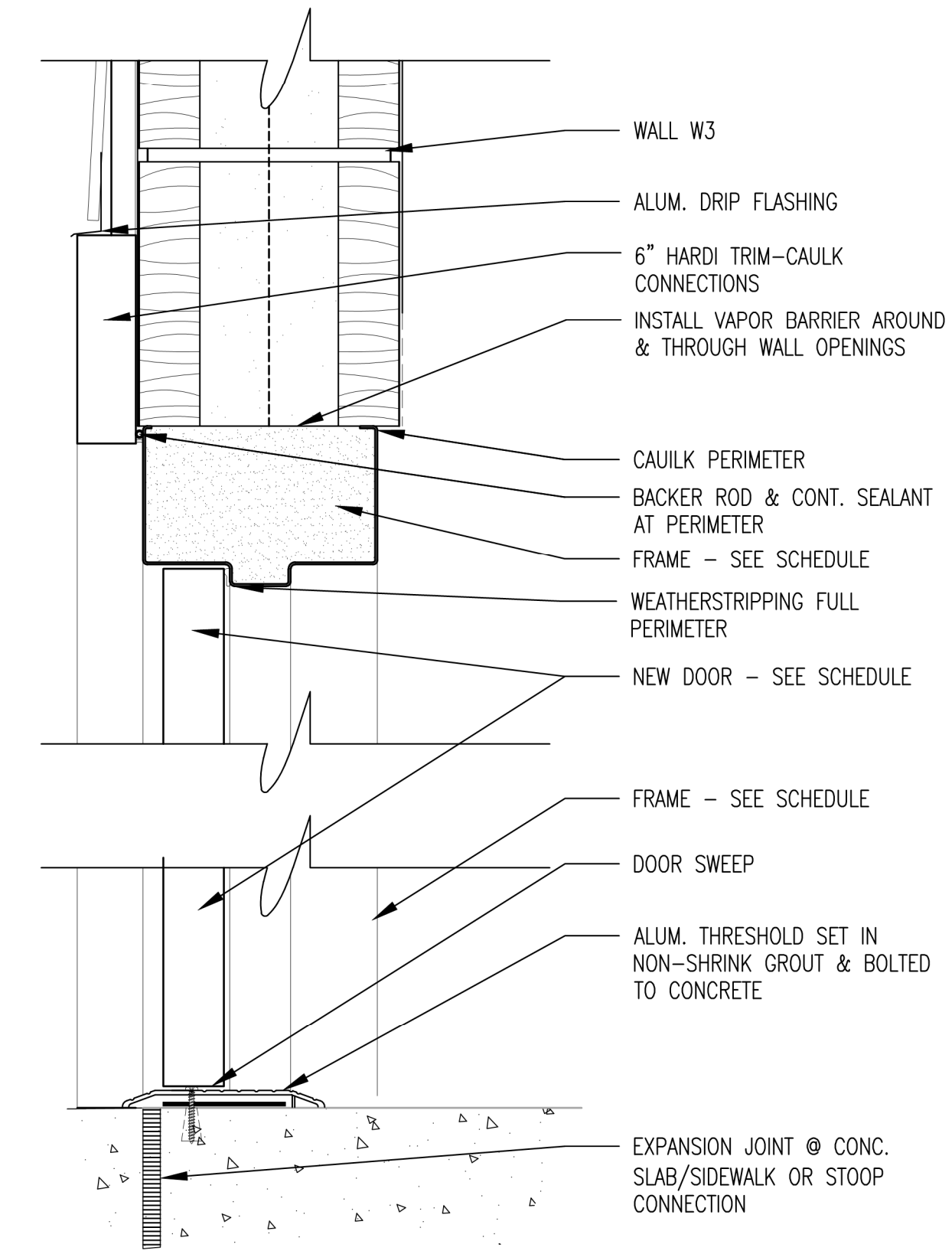


08-23-23  
DATE

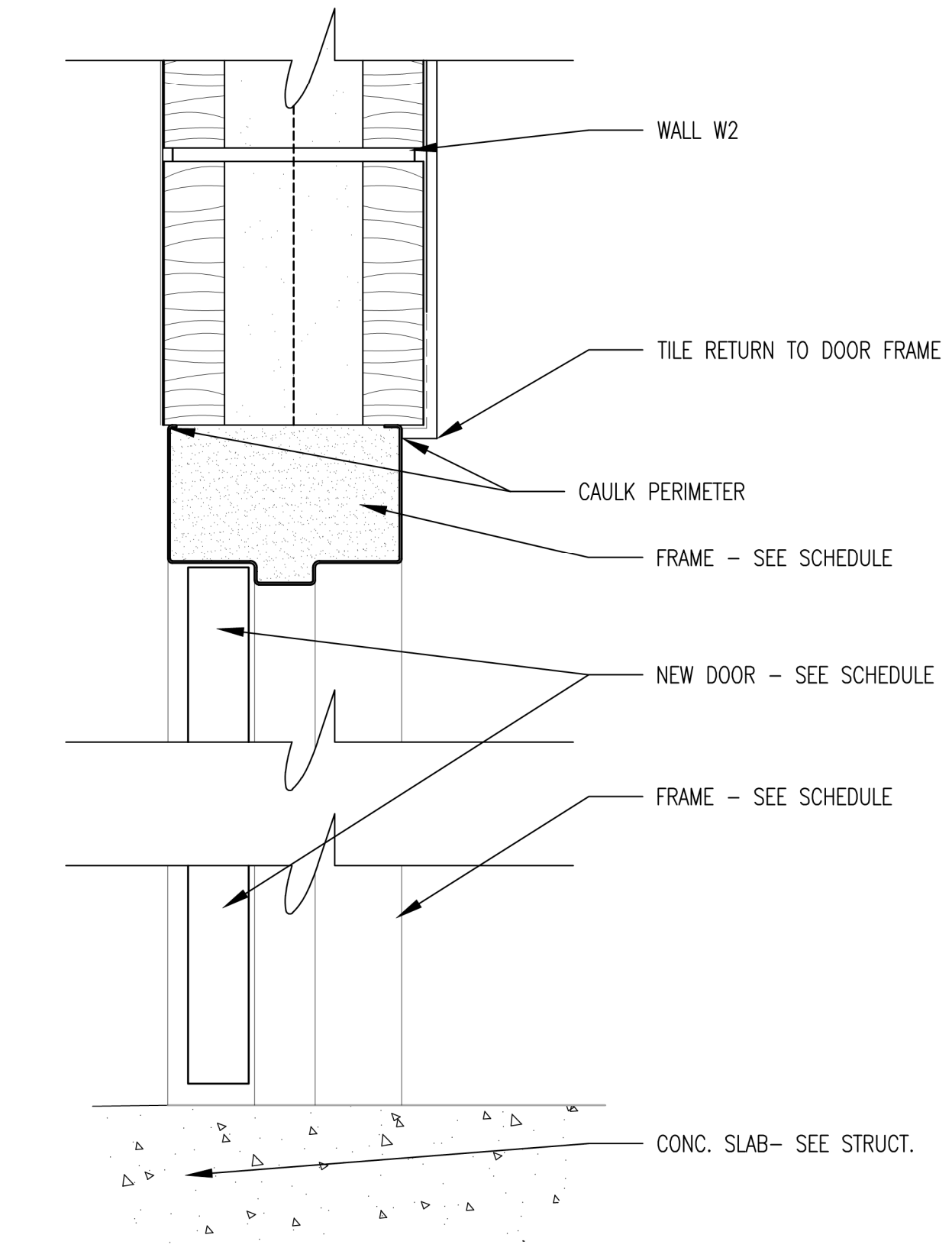
DETAILS  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL



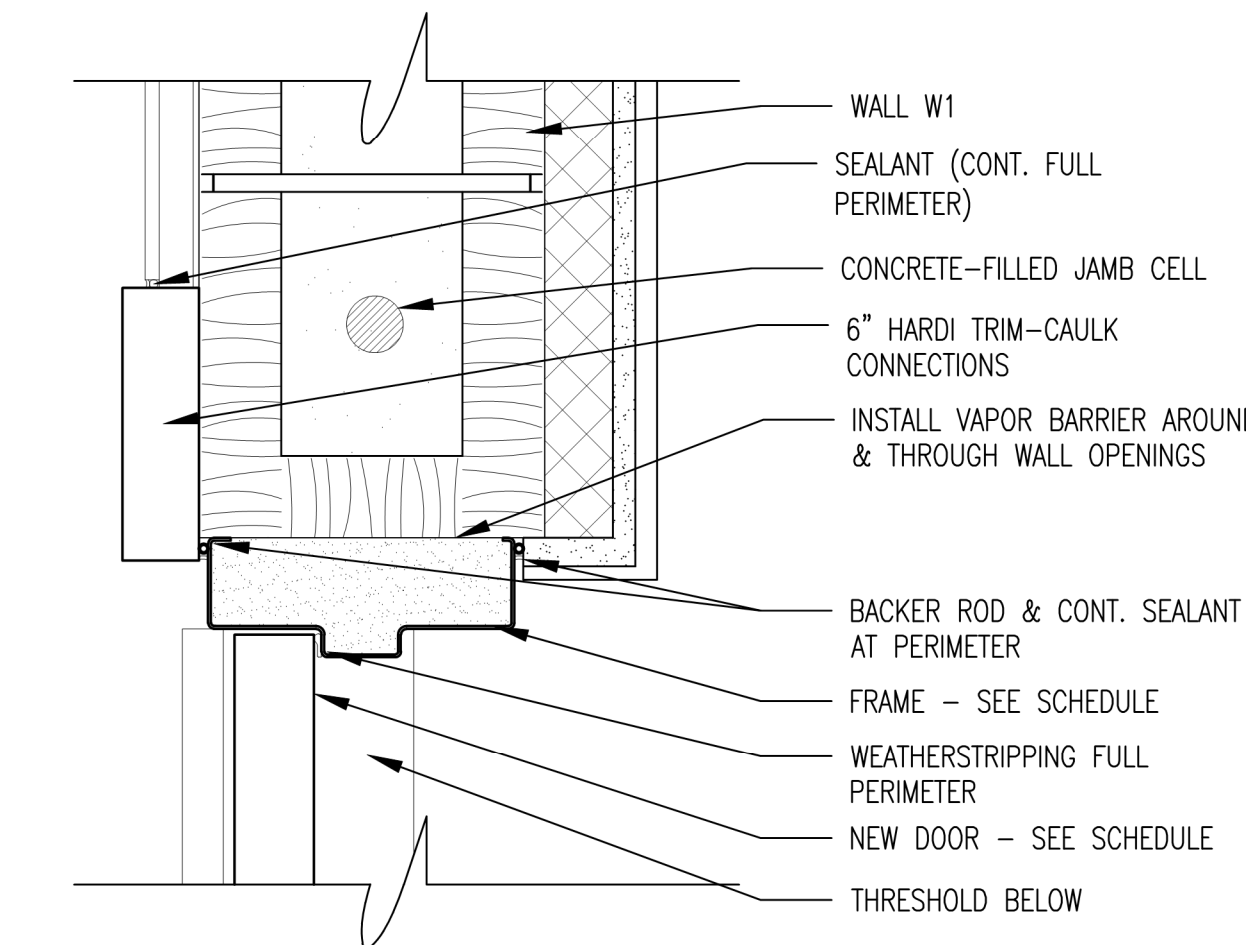
1  
A6.1 | A4.1  
EXTERIOR DOOR HEAD/THRESHOLD  
SCALE: 3" = 1'-0"



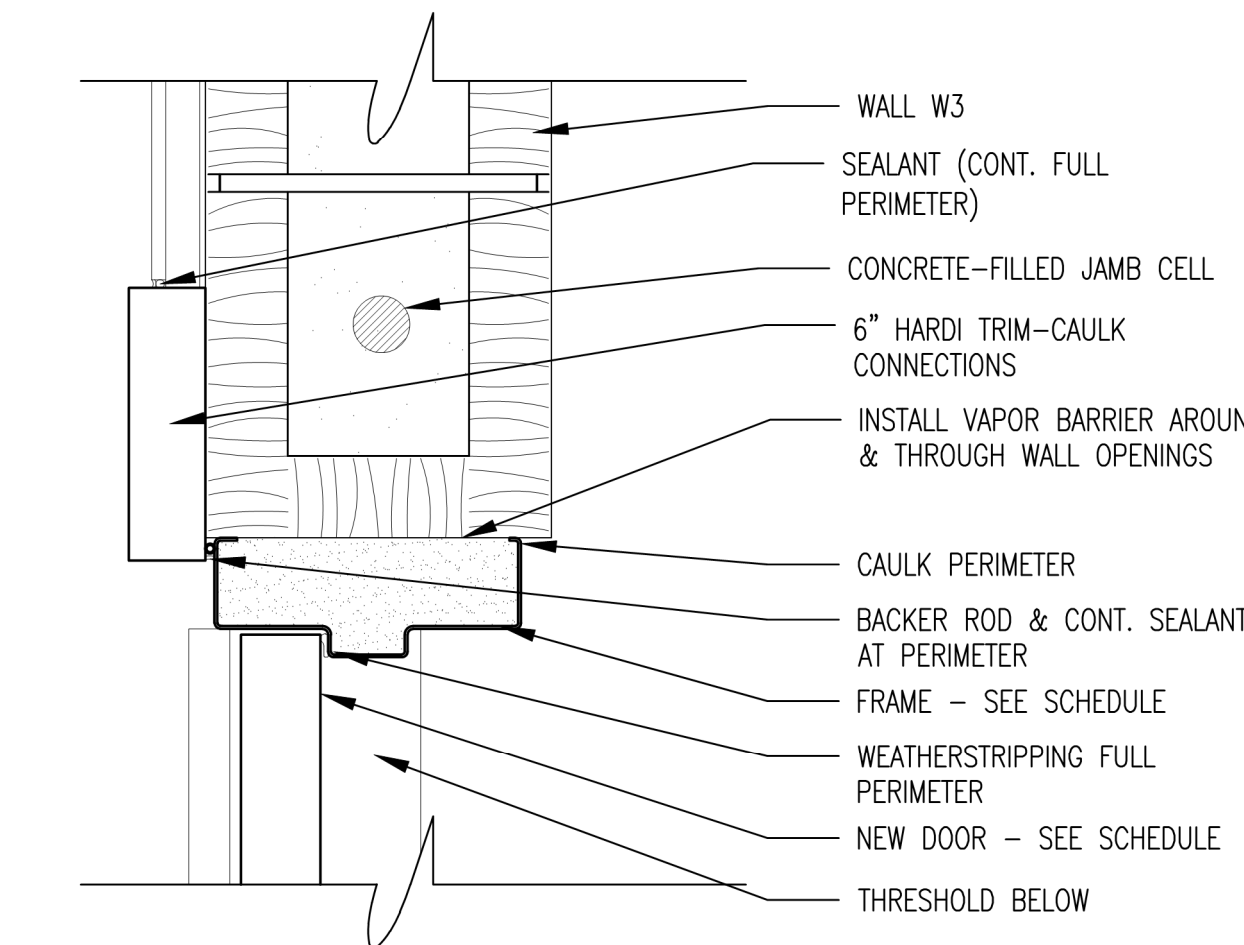
3  
A6.1 | A4.1  
EXTERIOR DOOR HEAD/THRESHOLD  
SCALE: 3" = 1'-0"



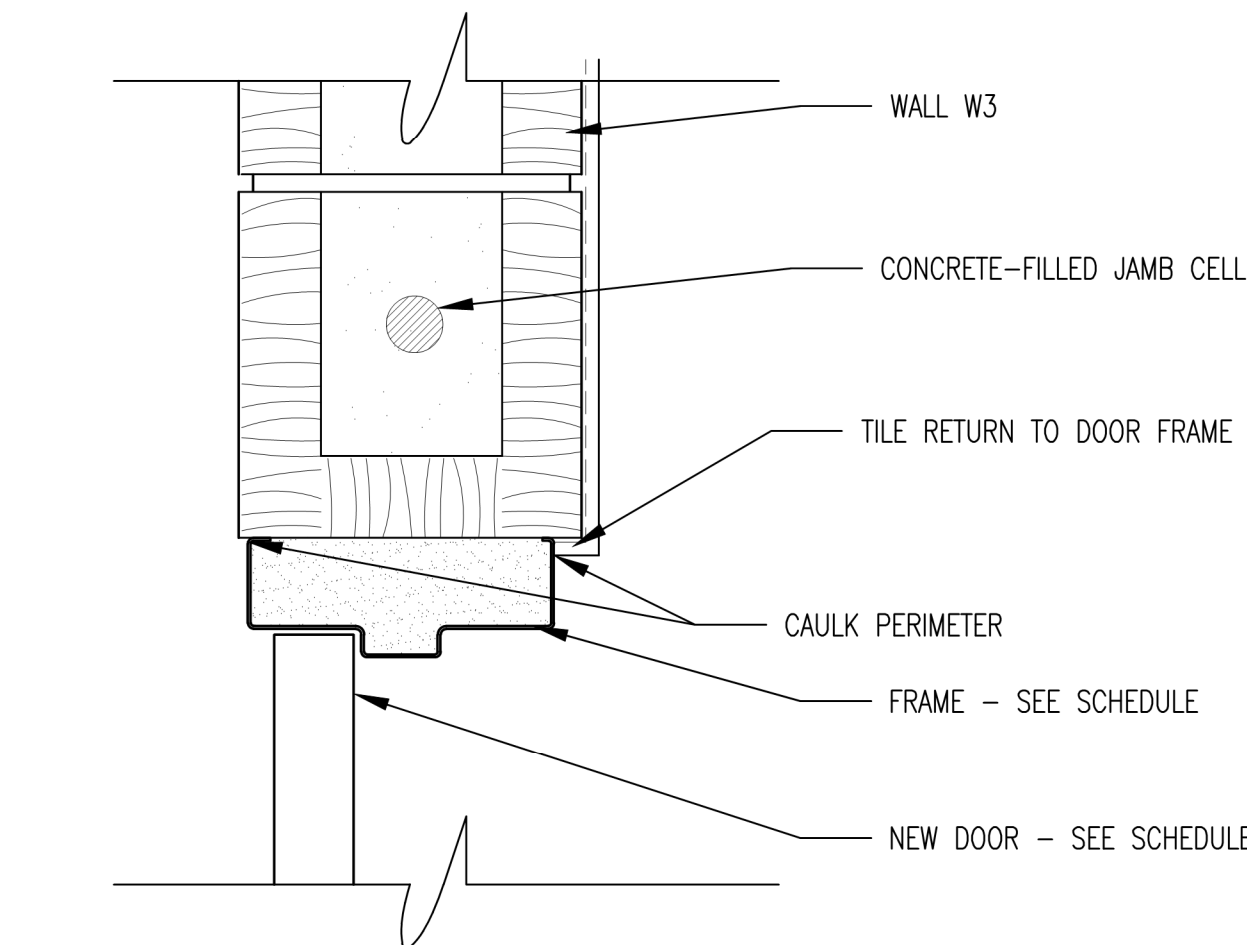
5  
A6.1 | A4.1  
INTERIOR DOOR HEAD/THRESHOLD  
SCALE: 3" = 1'-0"



2  
A6.1 | A4.1  
EXTERIOR DOOR JAMB  
SCALE: 3" = 1'-0"



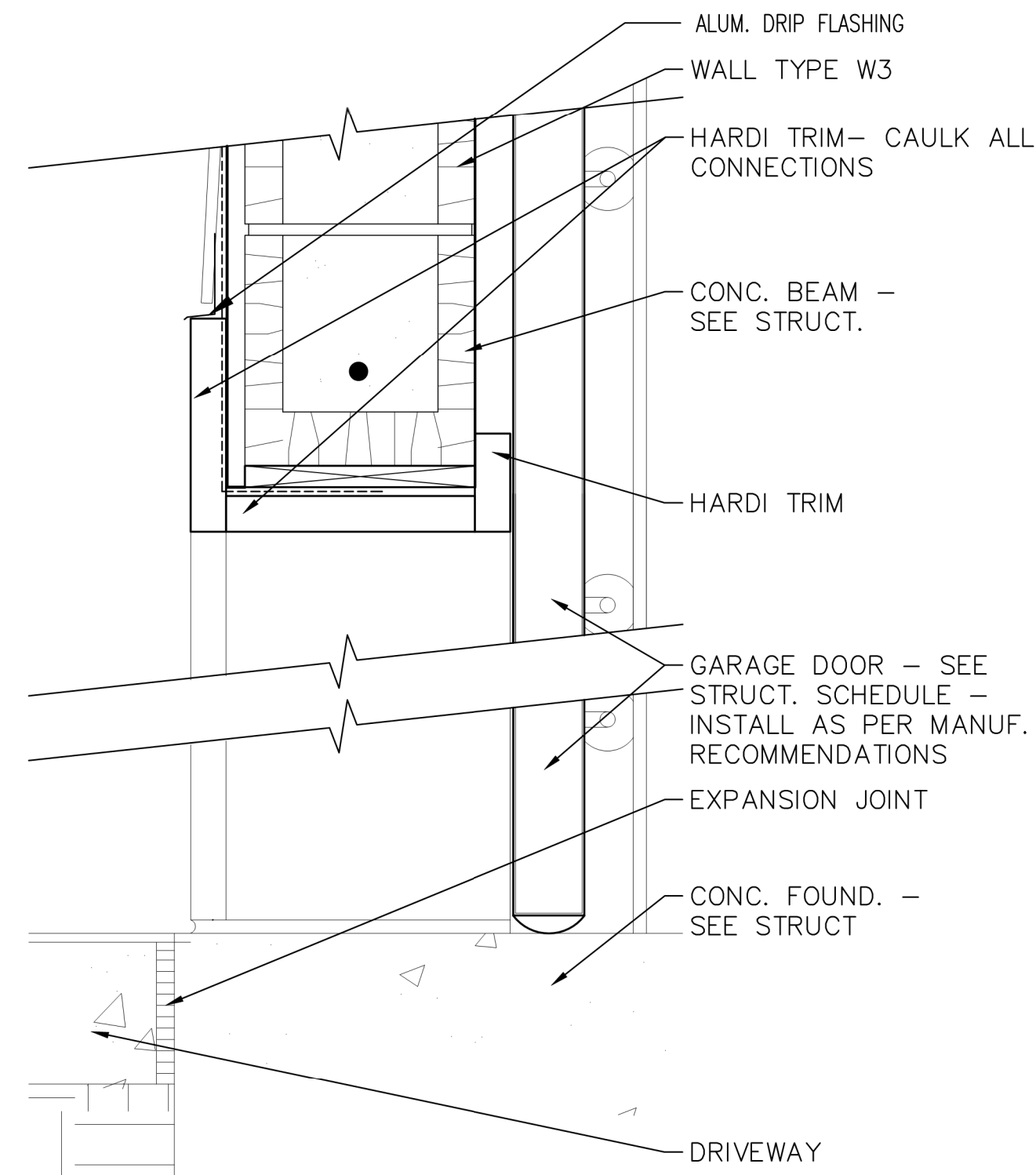
4  
A6.1 | A4.1  
EXTERIOR DOOR JAMB  
SCALE: 3" = 1'-0"



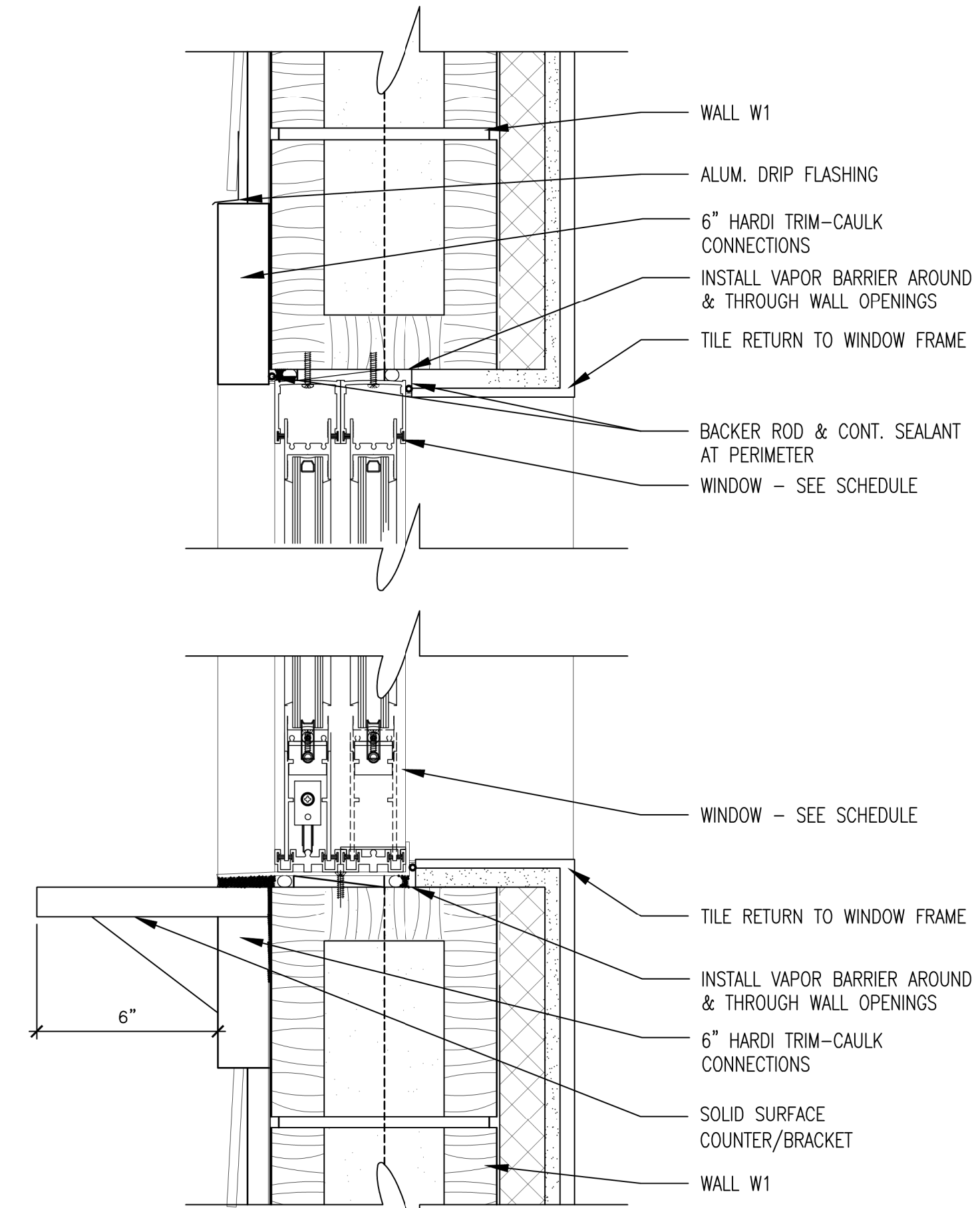
6  
A6.1 | A4.1  
INTERIOR DOOR JAMB  
SCALE: 3" = 1'-0"

REV.	OR.	DATE	DESCRIPTION

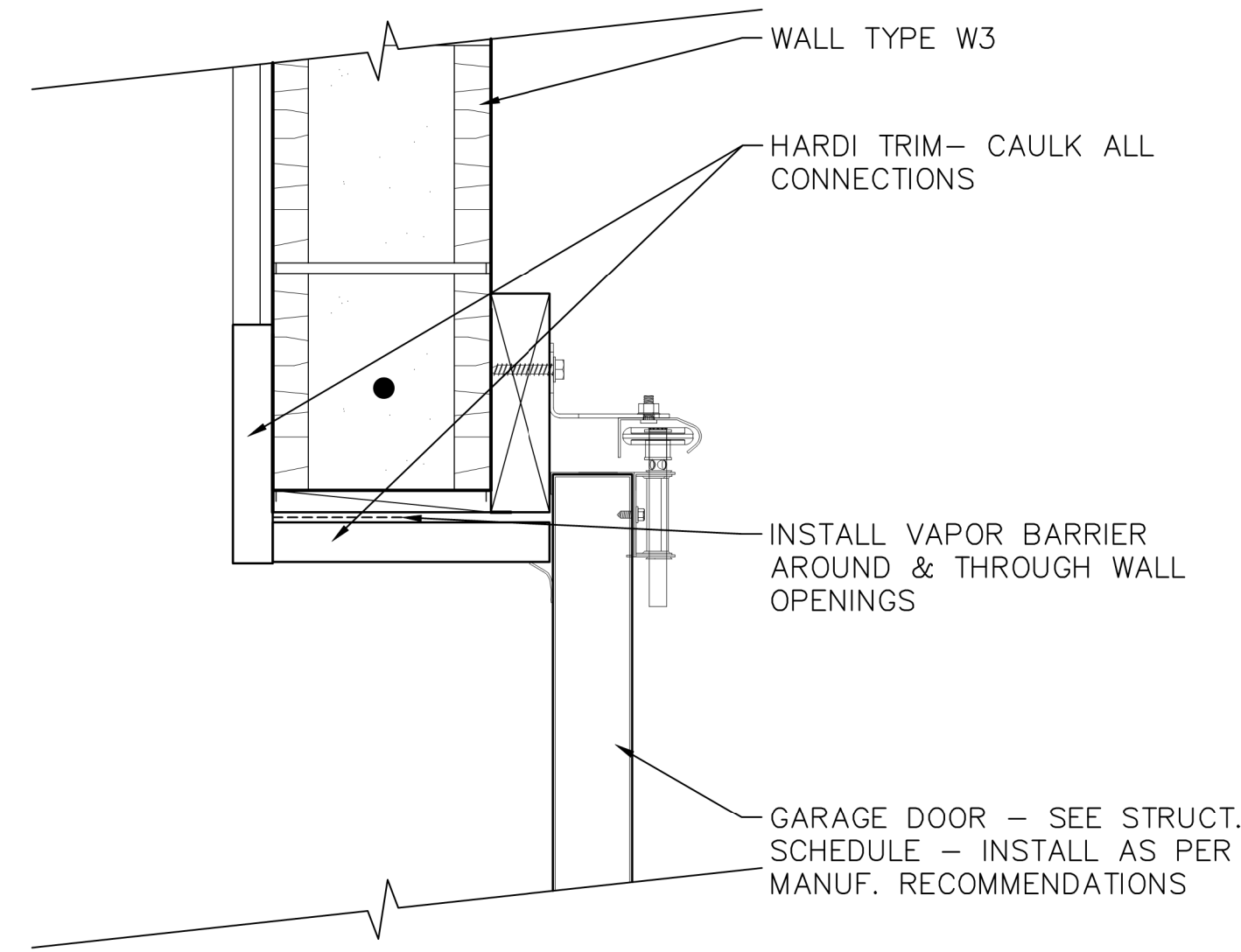
A4.1  
37237-01



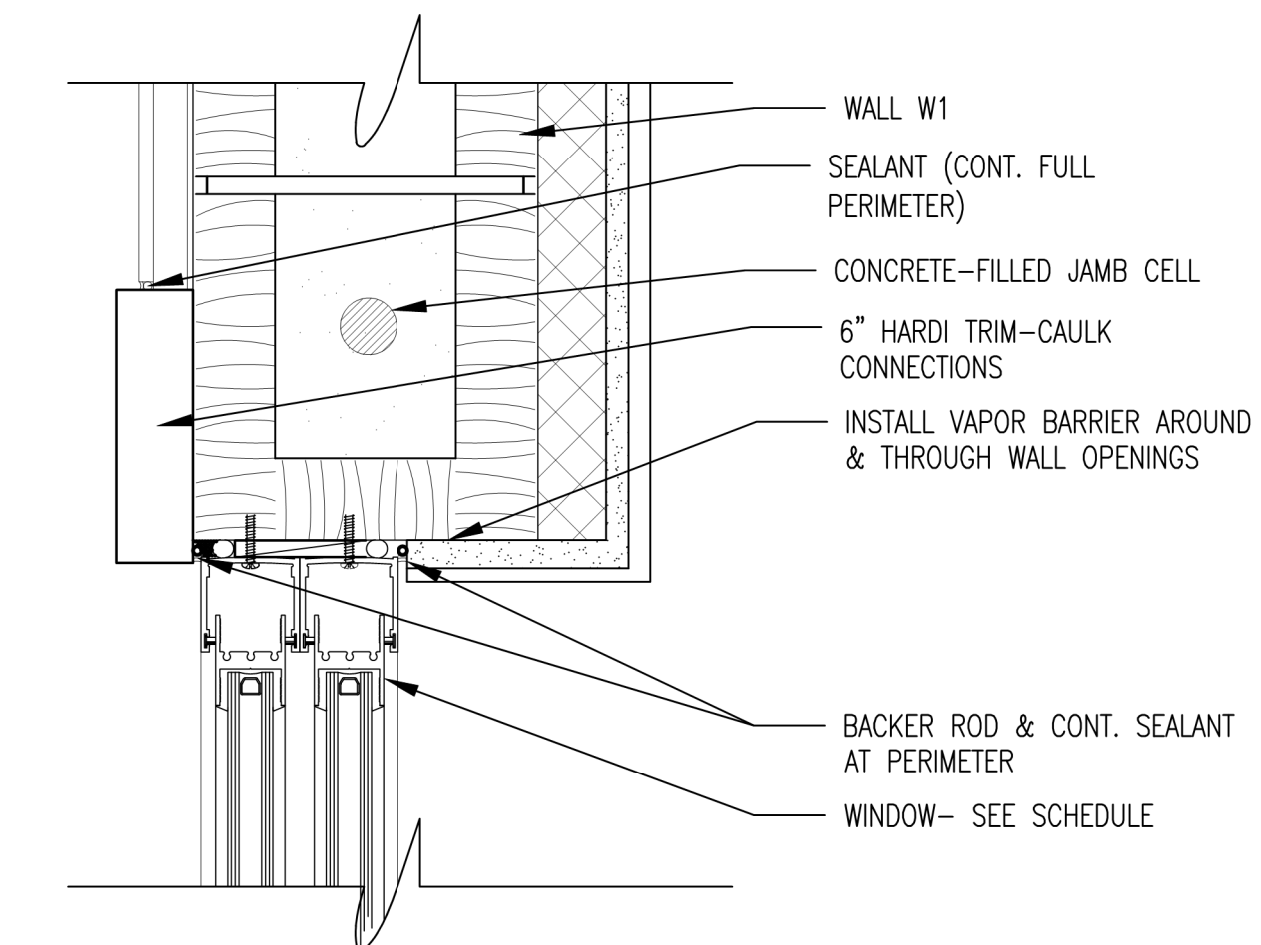
1 GARAGE HEAD/THRESHOLD  
 A6.1 | A4.2  
 SCALE: 3" = 1'-0"



3 WINDOW HEAD/SILL  
 A6.1 | A4.2  
 SCALE: 3" = 1'-0"



2 GARAGE JAMB  
 A6.1 | A4.2  
 SCALE: 3" = 1'-0"



4 WINDOW JAMB  
 A6.1 | A4.2  
 SCALE: 3" = 1'-0"

DETAILS  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

REV.	BY	CHK.	DATE	DESCRIPTION

DOOR SCHEDULE														
DOOR NO.	DOOR ELEV.	WIDTH	HGT	THK	MTL	FIN	GLAZING	FRAME					NOTES	
								ELEV.	MTL	FIN	HEAD	JAMB		SILL
01	A	3'-0"	7'-0"	1 3/4"	HM	PT	N/A	1	HM	PT	1/A4.1	2/A4.1	1/A4.1	3
02	B	2'-10"	7'-0"	1 3/4"	HM	PT	N/A	2	HM	PT	5/A4.1	6/A4.1	5/A4.1	3
03	C	8'-0"	7'-0"	MF	AL	PT	N/A	3	MF	PT	1/A4.2	2/A4.2	1/A4.2	3
04	A	3'-0"	7'-0"	1 3/4"	HM	PT	N/A	1	HM	PT	3/A4.1	4/A4.1	3/A4.1	3
05	D	6'-0"	7'-0"	1 3/4"	HM	PT	N/A	4	HM	PT	1/A4.1	2/A4.1	1/A4.1	3

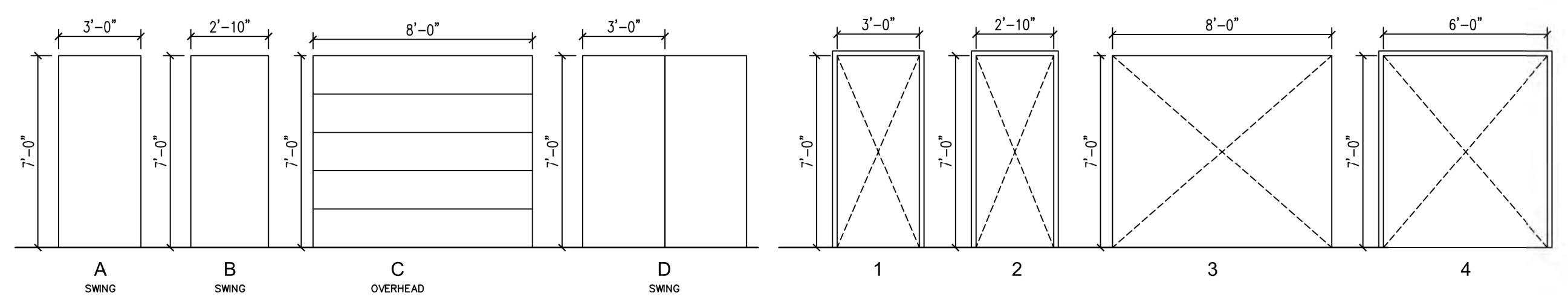
- ABBREVIATIONS:**
- PT PAINT  
N/A NOT APPLICABLE  
HM HOLLOW METAL  
AL ALUMINUM  
WD SOLID WOOD  
LMI LARGE MISSILE IMPACT RATED
- CC STAIN & CLEAR COAT  
TG TEMPERED GLASS-1/4"  
WG WIRED GLASS-1/4"  
FL FIRELITE-3/8"  
MF MANUFACTURER'S STANDARD  
ME MATCH EXISTING

**DOOR NOTES:**

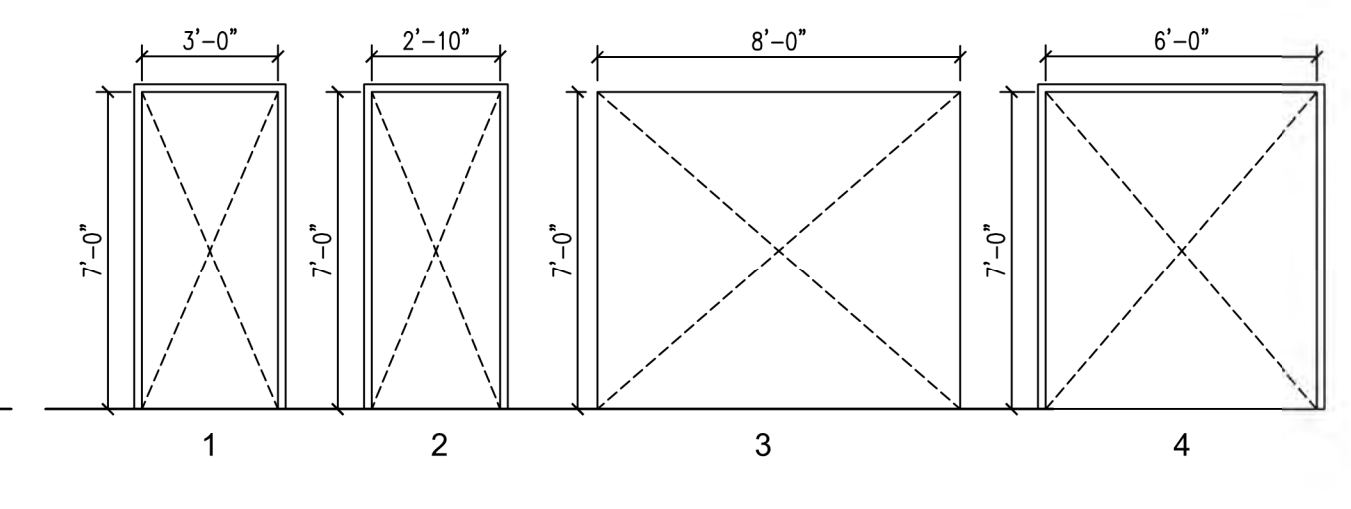
1. REFER TO SPECIFICATIONS FOR DETAILED HARDWARE LISTINGS

2. ALL EXTERIOR DOORS & WINDOWS TO BE LARGE MISSILE IMPACT RATED

3. USE 4" HEAD ON DOOR FRAMES IN CMU WALLS



**DOOR ELEVATIONS**  
1/4" = 1'-0"



**DOOR FRAME ELEVATIONS**  
1/4" = 1'-0"

CONCESSION BUILDING ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR MATL.	BASE	WALLS				CEILING MATL.	CEILING HEIGHT	NOTES
				NORTH	EAST	SOUTH	WEST			
101	CONCESSION	CONC	CTB	CT	CT	CT	CT	MR GYP.	10'-0"	
102										
103	ELEC.	CONC	RB	PT1	PT1	PT1	PT1	GYP.	10'-0"	
104	CHASE	CONC	RB	PT1	PT1	PT1	PT1	GYP.	10'-0"	
105	WOMEN	CONC	CTB	CT	CT	CT	CT	MR GYP.	10'-0"	
106	MEN	CONC	CTB	CT	CT	CT	CT	MR GYP.	10'-0"	
107	JANITOR	CONC	RB	PT1	PT1	PT1	PT1	GYP.	10'-0"	
108	MECH.	CONC	RB	PT1	PT1	PT1	PT1	GYP.	10'-0"	

MAINTENANCE BLDG. BUILDING ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR MATL.	BASE	WALLS				CEILING MATL.	CEILING HEIGHT	NOTES
				NORTH	EAST	SOUTH	WEST			
101	MAINTENANCE BLDG. BAY	CONC	RB	PT1	PT1	PT1	PT1	GYP.	10'-0"	

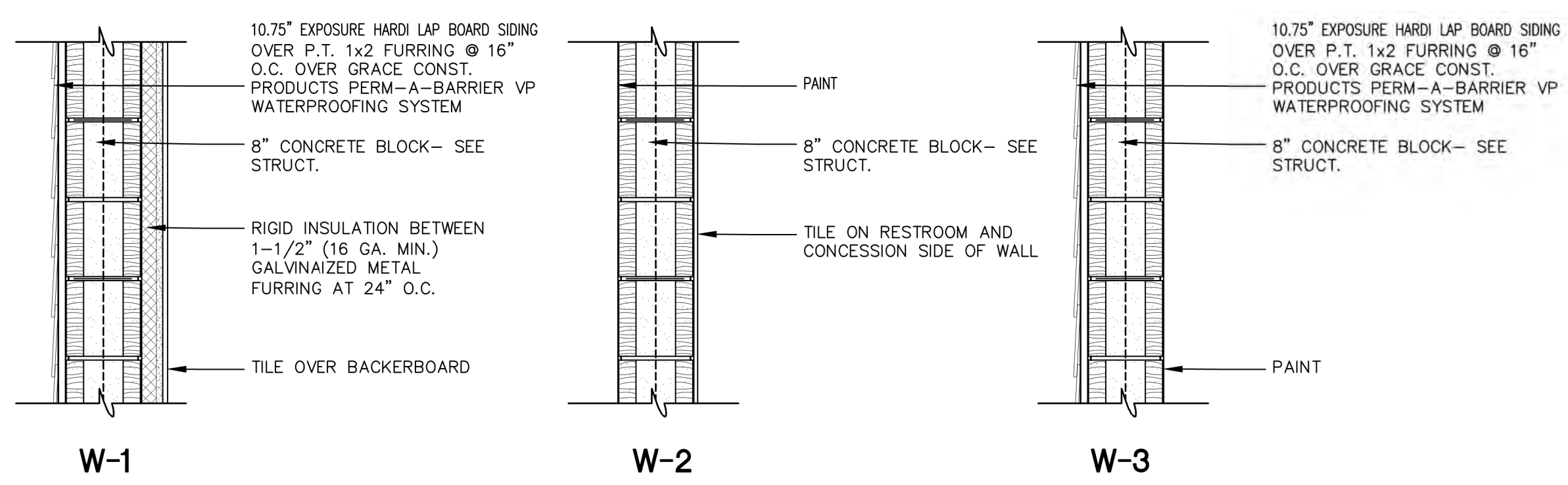
**ABBREVIATIONS:**

**FLOOR:**  
CONC SEALED CONCRETE  
CPT CARPET  
CT1 24"x24" CERAMIC TILE  
LVT LUXURY VINYL TILE  
EPX EPOXY FLOOR

**WALLS:**  
PT1 EGG SHELL LATEX PAINT (2 COATS)  
CT CERAMIC TILE

**CEILING MATERIAL:**  
GYP. 5/8" GYPSUM BOARD  
MR GYP. MOISTURE RESISTANT GYPSUM BOARD

**BASE:**  
CTB CERAMIC TILE BASE  
RB RUBBER BASE  
N/A NOT APPLICABLE  
EIB EPOXY INTEGRAL BASE

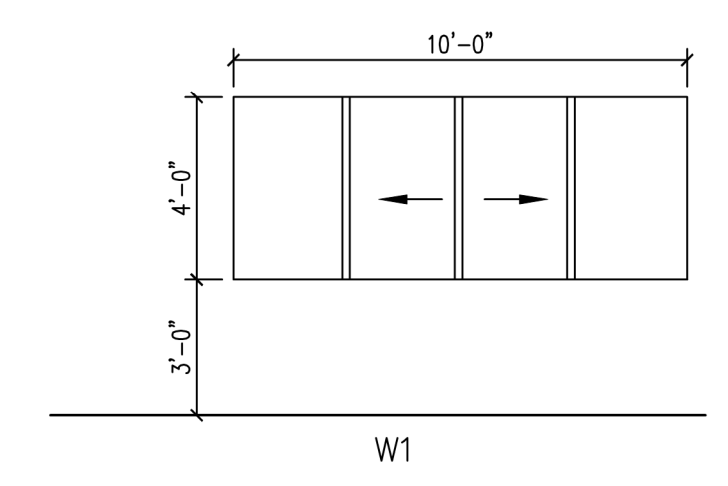


**WALL TYPES**  
1" = 1'-0"

WINDOW SCHEDULE												
WINDOW NUMBER	SIZE	ELEV.	MTL.	GLAZING		FRAME					TYPE	NOTES
				TYPE	TEMP	MTL	FIN	HEAD	JAMB	SILL		
A	10'-0" x 4'-0"	W1	AL	INSULATED	YES	AL	MF	3/A4.2	4/A4.2	3/A4.2	SLIDE	

- ABBREVIATIONS:**
- MF SELCT FROM MANUFACTURER'S STANDARD COLORS/FINISH  
AL ALUMINUM

**NOTE:**  
ALL EXTERIOR DOORS & WINDOWS TO BE LARGE MISSILE IMPACT RATED



**WINDOW ELEVATIONS**  
1/4" = 1'-0"

**BARGE**  
DESIGN SOLUTIONS  
840 Dunham Avenue / Suite 105 / Panama City, Florida 32401  
PHONE (904) 298-1121

Digitally signed by  
Victoria Williams  
DN: cn=Victoria  
Williams, o=VBA  
Design, Inc. ou,  
email=vwilliams@  
vbadesign.us,  
c=US  
Date: 2023.08.24  
15:26:30 -05'00'

**VBA**  
DESIGN

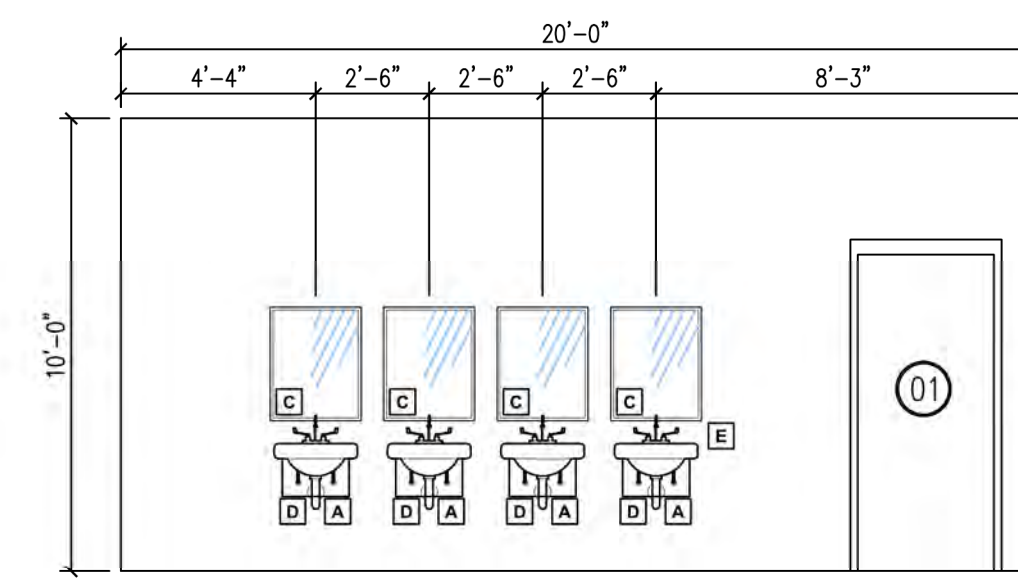
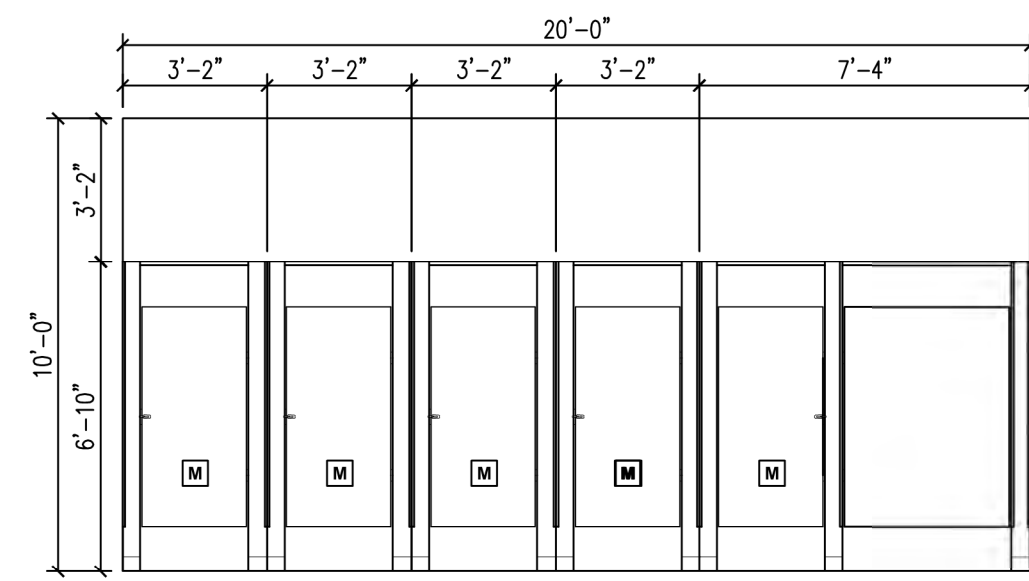
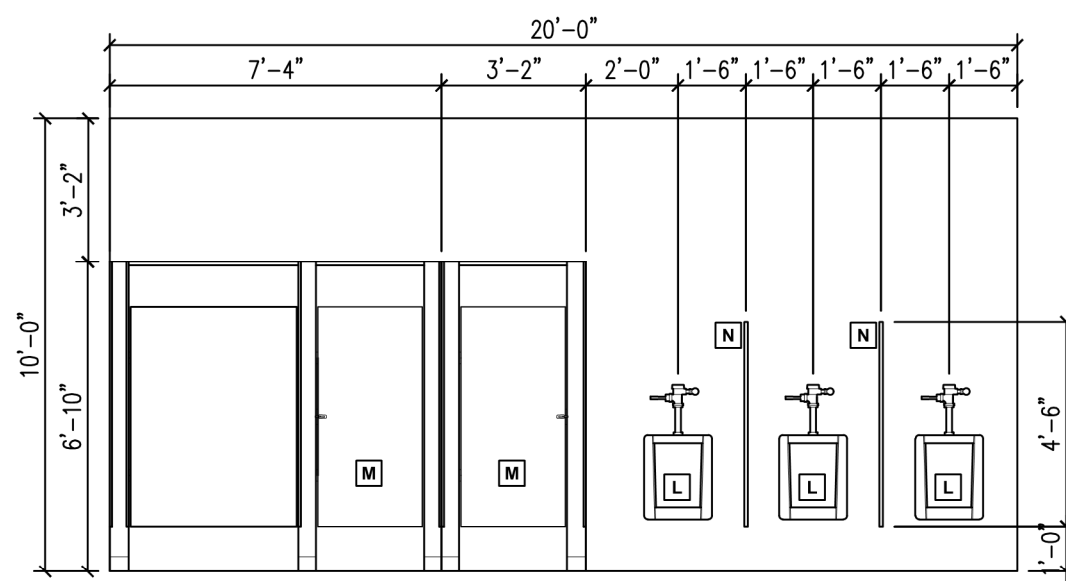
08-23-23  
DATE

SCHEDULES  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DR.	DATE	DESCRIPTION

**A6.1**

37237-01



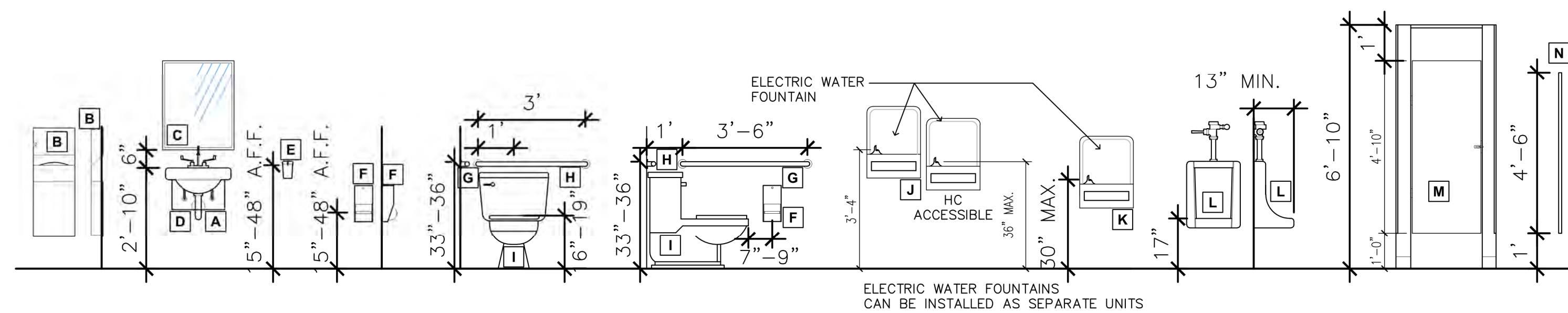
1 RESTROOM INTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"  
CERAMIC TILE OMITTED FOR CLARITY OF OTHER ELEMENTS

2 RESTROOM INTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"  
CERAMIC TILE OMITTED FOR CLARITY OF OTHER ELEMENTS

3 RESTROOM INTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"  
CERAMIC TILE OMITTED FOR CLARITY OF OTHER ELEMENTS

LEGEND	
A	LAVATORY PIPE INSULATOR
B	RECESSED HAND TOWEL DISPENSER AND TRASH RECEPTACLE
C	2'-0" X 2'-6" MIRROR
D	LAVATORY (ACCESSIBLE): WALL-MOUNT WITH PIPE APRON
E	SURFACE MOUNTED SOAP DISPENSER
F	SURFACE MOUNTED DUAL ROLL TOILET PAPER DISPENSER.
G	1 1/2" Ø 42" LONG GRAB BAR.
H	1 1/2" Ø 36" LONG GRAB BAR.
I	WATER CLOSET (ACCESSIBLE): FLOOR MOUNTED
J	ELECTRIC WATER FOUNTAIN (ACCESSIBLE & STANDARD)
K	ACCESSIBLE WATER FOUNTAIN
L	WALL MOUNTED URINAL
M	FLOOR MOUNTED TOILET PARTITION
N	WALL MOUNTED URINAL PARTITION
O	HAND DRYER
P	SANITARY NAPKIN DISPOSAL

	SPECIFICATIONS FOR ACCESSIBLE WATER CLOSETS SERVING ADULTS	
	WHEELCHAIR ACCESSIBLE	AMBULATORY ACCESSIBLE
WATER CLOSET CENTERLINE	16-18 in. (405-455 mm)	17-19 in. (430-485 mm)
TOILET SEAT HEIGHT	17-19 in. (430-485 mm)	
WATER CLOSET CLEARANCE (WIDTHxDEPTH)	60 in. x 56 in. (1525x1420 mm)	
GRAB BAR HEIGHT	33-36 in. (840-915 mm)	
SIDE GRAB BAR (LENGTH, DISTANCE FROM REAR WALL)	42 in. (1065 mm) LONG, 12 in. (305 mm) FROM REAR WALL	
REAR GRAB BAR (LENGTH, DISTANCE FROM SIDE WALL)	36 in. (915 mm) LONG, 12 in. (305 mm) FROM CENTERLINE OF TOILET ON WALL SIDE	
DISPENSER HEIGHT	15-48 in. (380-1220 mm)	
TOILET PAPER DISPENSER CENTERLINE IN FRONT OF WATER CLOSET	7-9 in. (180-230 mm)	
LAVATORY HEIGHT-RIM/COUNTER A.F.F.	34 in. (865 mm)	
LAVATORY CLEARANCE (WIDTHxDEPTH)	30 in. x 48 in. (760x1220 mm)	



TYPICAL ADA HEIGHTS



840 Hunter Avenue / Suite 105 / Panama City, Florida 32401  
PHONE: (850) 298-8121

Digitally signed by Victoria Williams DN: cn=Victoria Williams, o=VBA Design, Inc., ou, email=vwilliams@vbadesign.us, c=US Date: 2023.08.24 15:28:39 -0500



INTERIOR ELEVATIONS

08-23-23  
DATE

SITE IMPROVEMENTS FOR  
**SOUTHPORT SPORTS COMPLEX**  
SOUTHPORT, FL

REV.	OR.	DATE	DESCRIPTION

A7.1

37237-01

**GENERAL NOTES:**

- GENERAL BUILDING CODE: 2017 FLORIDA BUILDING CODE
- DESIGN LOADS:  
 ROOF LIVE LOAD 20 PSF  
 FLOOR LIVE LOAD 100 PSF  
  
 WIND LOAD:  
 THE FOLLOWING LOAD CRITERIA AND FACTORS HAVE BEEN USED IN THE DESIGN OF THIS STRUCTURE:  
  
 WIND CODE PER SECTION 1609 ASCE 7-16  
 ULTIMATE WIND SPEED DESIGN 140 MPH (Vult)  
 ALLOWABLE WIND SPEED DESIGN 109 MPH (Vasd)  
  
 IMPORTANCE FACTOR, I 1.0  
 RISK CATEGORY II  
 EXPOSURE CATEGORY B  
 INTERNAL PRESSURE COEFFICIENT, Gcpi  
 INTERNAL PRESSURE +0.18  
 INTERNAL SUCTION -0.18  
 COMPONENTS & CLADDING DESIGN PRESSURE (PSF)  
 SEE DIAGRAM THIS SHEET
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOBSITE PRIOR TO STARTING CONSTRUCTION AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES WITH ANY WORK SO INVOLVED.
- ALL PHASES OF THE WORK SHALL CONFORM TO THE MINIMUM STANDARDS AND REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE STRUCTURE, UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONNEL DURING CONSTRUCTION.
- ALL ASTM SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONTRACT DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR AND SHALL BE REVIEWED BY THE ENGINEER PRIOR TO THE START OF WORK.
- EXISTING CONDITIONS DEPICTED ON THESE DRAWINGS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR, AS THEY ARE UNCOVERED DURING THE CONSTRUCTION. IN THE EVENT EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND AWAIT FURTHER INSTRUCTION BEFORE PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS, NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO START OF WORK.
- CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTAL FOR APPROVAL. SPECIFICATIONS AND/OR SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER OF RECORD AND APPROVED PRIOR TO START OF WORK.
- VERIFY ALL EQUIPMENT LOCATIONS AND OPENINGS THROUGH ROOF, FLOOR, AND WALLS WITH ARCHITECTURAL, ELECTRICAL, AND MECHANICAL REQUIREMENTS.
- STRUCTURAL DRAWINGS MAY NOT BE DUPLICATED IN ANY FORM FOR ANY PURPOSE. IF STRUCTURAL DRAWINGS ARE REPRODUCED IN ANY WAY, SUCH AS FOR SHOP DRAWING PREPARATION, SHOP DRAWINGS WILL BE REJECTED.
- SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR. PSE DESIGNS SHALL HAVE NO RESPONSIBILITY IN SHORING PROCEDURES. SHORING TO REMAIN IN PLACE UNTIL CONSTRUCTION OF THE SHORED AREA IS COMPLETE.

**FOUNDATIONS:**

- FOUNDATIONS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF SOUTHERN EARTH SCIENCES. REPORT DATED MAY 13, 2021 REPORT #P19-1294.12. RELATED RECOMMENDATIONS IN THIS REPORT SHALL BE FOLLOWED.
- IF FIELD CONDITIONS VARY AND/OR ASSUMED BEARING PRESSURE IS INCORRECT NOTIFY ENGINEER OF RECORD PRIOR TO START OF FOUNDATION CONSTRUCTION.
- THE REGISTERED GEOTECHNICAL ENGINEER OF RECORD SHALL BE RETAINED DURING CONSTRUCTION TO INSPECT FOUNDATION EXCAVATION, INSPECT AND MONITOR PLACEMENT OF COMPACTED FILL, AND TO MONITOR OPERATIONS, AS REQUIRED.

**CONCRETE:**

- CONCRETE MIXES TO BE DESIGNED BY A RECOGNIZED TESTING LABORATORY AND COPIES OF DESIGN MIX SUBMITTED TO THE ENGINEER. COMPRESSIVE TEST REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ANY OTHER AGENCIES AS SPECIFIED BY LOCAL BUILDING CODE.
- ALL CONCRETE SHALL DEVELOP MINIMUM 3000 PSI COMPRESSIVE STRENGTH IN 28 DAYS.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185.
- MINIMUM WWF LAP SHALL BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR MINIMUM OF 6 INCHES.
- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND ITS REVISIONS.
- ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI STANDARDS. NO WELDING OF REINFORCEMENT SHALL BE ALLOWED UNLESS NOTED OR OTHERWISE APPROVED BY ENGINEER.
- NO SPLICING OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES WHERE PERMITTED SHALL BE CLASS B TENSION LAP SPLICES, U.N.O., MAKE ALL BARS CONTINUOUS AROUND CORNERS.
- STAGGER SPLICES A MIN. OF 4'-0" FOR CONTINUOUS BARS IN ALL CONCRETE WORK. U.N.O.
- PROVIDE (2) #5 BARS (1 EACH FACE) WITH MIN. 2'-0" PROJECTION AROUND ALL OPENINGS IN CONCRETE UNLESS NOTED OTHERWISE.
- SLABS, WALLS, AND PILE CAPS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCED PLACED CAST IN PLATE CONCRETE:
  - A. CONCRETE PLACED AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
  - B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
    - #6 THROUGH #18 BARS 2 INCHES
    - #5 BARS AND SMALLER 1.5 INCHES
  - C. CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH GROUND:
    - SLABS, WALLS AND JOISTS:
      - #14 AND #18 BARS 1.5 INCHES
      - #11 BARS & SMALLER 1 INCH
    - BEAMS, COLUMNS, & WALL JAMBS:
      - PRIMARY REINFORCEMENT, TIES, STIRRUPS & SPIRALS:
        - #14 AND #18 BARS 2.5 INCHES
        - #11 BARS & SMALLER 1.5 INCHES
- PROVIDE REINFORCING BAR PLACING ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE.
- ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR AS APPROVED BY THE STRUCTURAL ENGINEER.
- CONTRACTOR SHALL NOT PLACE ANY REINFORCEMENT UNTIL SHOP DRAWING APPROVED BY THE ENGINEER ARE RECEIVED ON THE JOB SITE. SHOP DRAWINGS SHALL CONSIST OF BOTH THE "CUT" & PLACING SHEETS. PLACING SHEETS SHALL CONTAIN ALL INFORMATION NECESSARY TO POSITION ALL REINFORCING STEEL IN THE FIELD WITHOUT HAVING TO REFER TO THE STRUCTURAL DRAWINGS. SHOP DRAWINGS SHALL NOT CONTAIN ANY REPRODUCTIONS OF THE STRUCTURAL DRAWINGS.
- ALL FIELD BENDING OF REINFORCING BARS SHALL BE MADE COLD FOR #8 BARS & SMALLER. #9, #10 & #11 BARS UPON APPROVAL MAY BE PREHEATED UNIFORMLY TO 1400-1600 DEGREES FAHRENHEIT & CAREFULLY BENT OR STRAIGHTENED BY CRSI RECOMMENDATIONS.
- ALL REINFORCING BAR, ANCHOR BOLTS & OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- PROJECTING CORNERS OF BEAMS, COLUMNS, ETC. SHALL BE FORMED WITH 3/4" CHAMFER UNLESS DETAILED OTHERWISE.

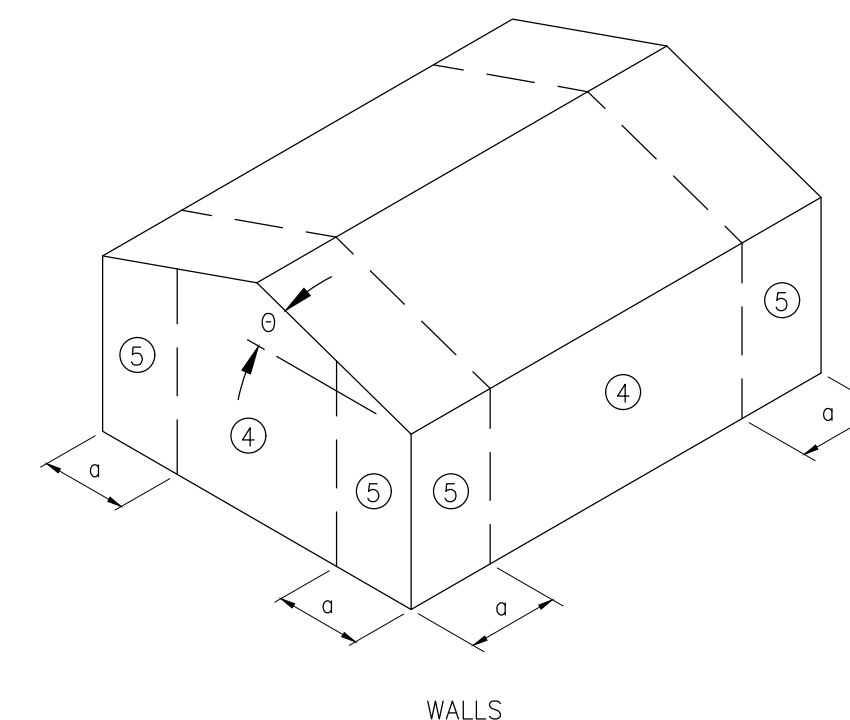
**CONCRETE MASONRY UNITS (CMU):**

- HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL CONFORM TO ASTM C90 SPECIFICATIONS. NORMAL WEIGHT, TYPE I GRADE N.
- COMPOSITION, QUALITY, STORAGE, HANDLING, PREPARATION AND PLACEMENT OF MATERIALS, QUALITY ASSURANCE FOR MATERIALS & MASONRY & CONSTRUCTION OF MASONRY SHALL COMPLY WITH ACI 530.1/ASCE 6/TMS 602. A QUALITY ASSURANCE PROGRAM SHALL BE USED TO ENSURE THAT THE CONSTRUCTED MASONRY IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- SPECIFIED COMPRESSIVE STRENGTHS OF MASONRY:
  - 1. 8" NOMINAL DEPTH UNITS f'm, SHALL BE A MINIMUM OF 1,500 PSI.
  - 2. 12" NOMINAL DEPTH UNITS f'm, SHALL BE A MINIMUM OF 1,500 PSI.
- MINIMUM NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS:
  - 1. 8" NOMINAL DEPTH UNITS SHALL BE 1,900 PSI.
  - 2. 12" NOMINAL DEPTH UNITS SHALL BE 1,900 PSI.
- ALL MORTAR USED IN MASONRY SHALL CONFORM TO ASTM C270 TYPE M OR S. ALL GROUT FILL FOR USE IN MASONRY SHALL CONFORM TO ASTM C476. WITH MINIMUM COMPRESSIVE STRENGTH 3000 PSI.
- ALL REINFORCEMENT FOR USE IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM A615 GRADE 60.
- ALL DEFORMED WIRE HORIZONTAL REINFORCEMENT IN CMU WALLS SHALL CONFORM TO ASTM A497.
- ALL PLAIN WIRE HORIZONTAL REINFORCEMENT IN CMU WALLS SHALL CONFORM TO ASTM A62 OR ASTM A185.
- MASONRY IS TO BE LAID IN ACCORDANCE WITH LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE SECTION 2104.7 AND TABLES 2104.7A & 2104.7B OR APPLICABLE GOVERNING CODES. TYPE "N" MASONRY CEMENT MORTAR IS NOT ACCEPTABLE.
- VERTICAL & HORIZONTAL REINFORCEMENT IS TO BE CONTINUOUS AND LAPPED A MIN. OF 48 BAR DIAMETERS.
- MASONRY WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION TO WITHSTAND WIND LOADS. BRACING SHALL REMAIN IN PLACE UNTIL ROOF FRAMING IS COMPLETELY INSTALLED AND CAPABLE OF PROVIDING LATERAL SUPPORT.
- ALL MASONRY C.M.U. WALLS SHALL BE LAID IN RUNNING BOND IN ACCORDANCE WITH ACI 530-13.
- VERTICAL REINFORCEMENT FOR C.M.U. WALLS TO BE PLACED IN CENTER OF WALL UNLESS INDICATED OTHERWISE ON THE DRAWINGS. PROVIDE ALL ACCESSORIES AS REQUIRED TO SUPPORT BARS AT LOCATIONS INDICATED.
- CONTRACTOR MUST FILL ALL REINFORCED CELLS AND ALL CELLS BELOW GRADE.

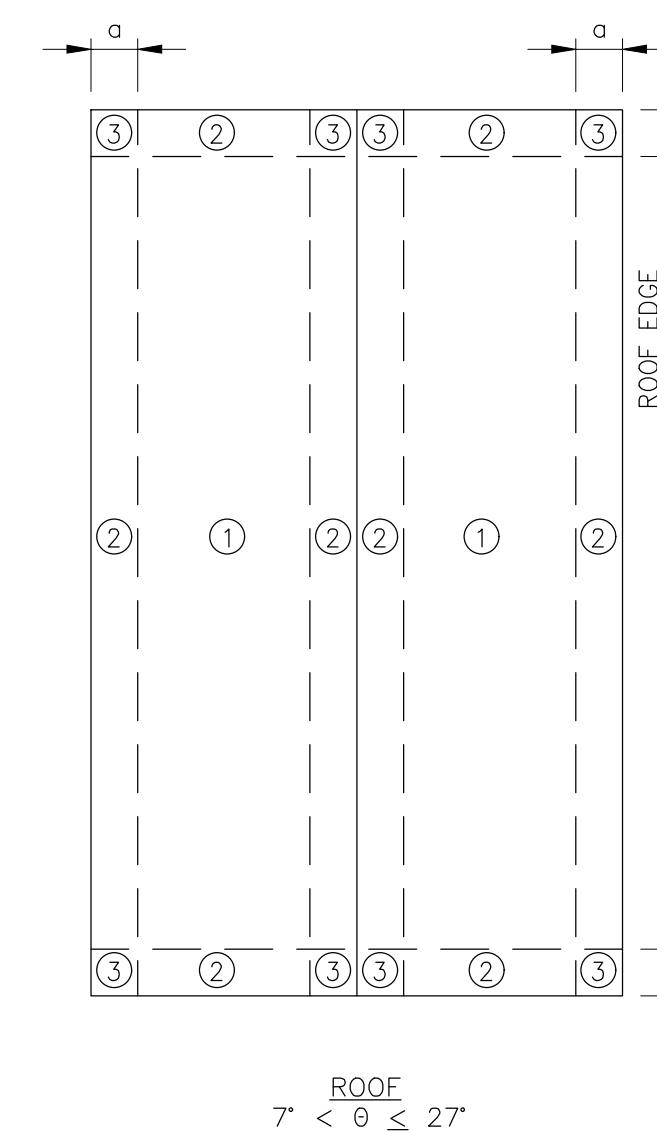
COMPONENTS & CLADDING TABLE  
(USING Vult)

Zones	Tributary Area (ft <sup>2</sup> )							
	10		20		50		100	
1	17.88	-28.40	16.30	-27.61	14.20	-26.56	12.62	-25.77
2	17.88	-49.43	16.30	-45.47	14.20	-40.24	12.62	-36.28
3	17.88	-73.10	16.30	-68.35	14.20	-62.07	12.62	-57.32
4	31.03	-33.66	29.63	-32.26	27.78	-30.41	26.38	-29.01
5	31.03	-41.55	29.63	-38.75	27.78	-35.06	26.38	-32.26

ALL BUILDINGS: α = 3ft  
 θ = 3/2 = 14.0°  
 θ = 1/2 = 18.4°

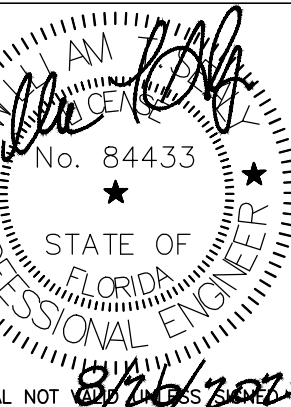
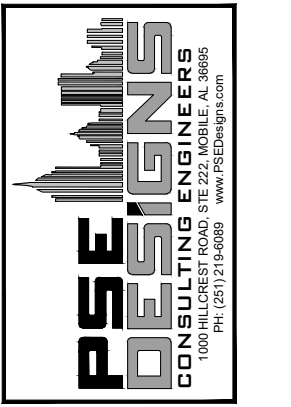
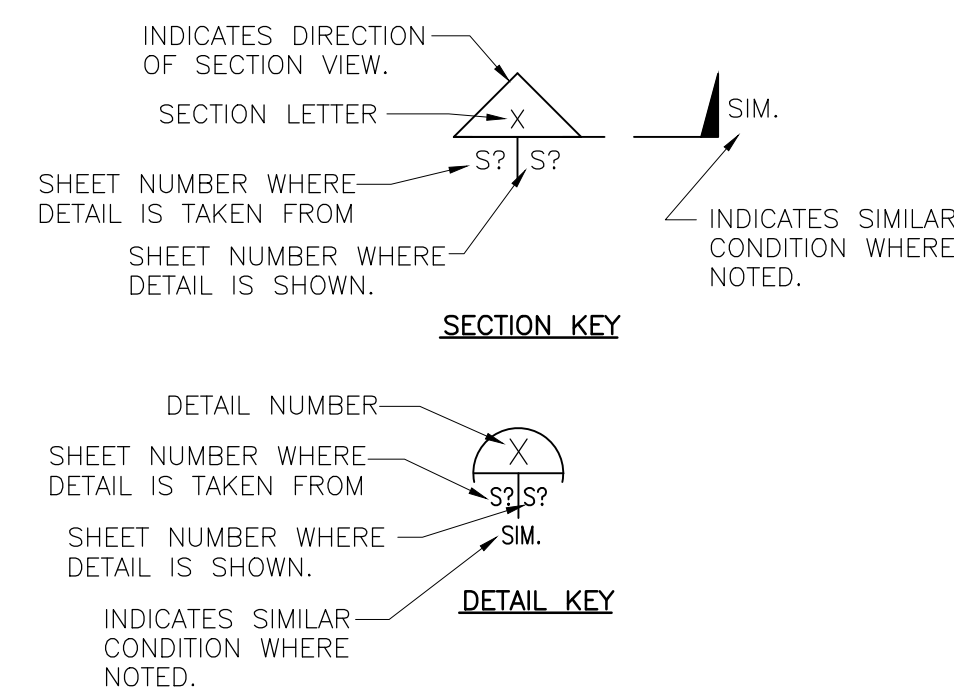


WALLS



ROOF  
7' < 0 ≤ 27'

**STRUCTURAL LEGEND**



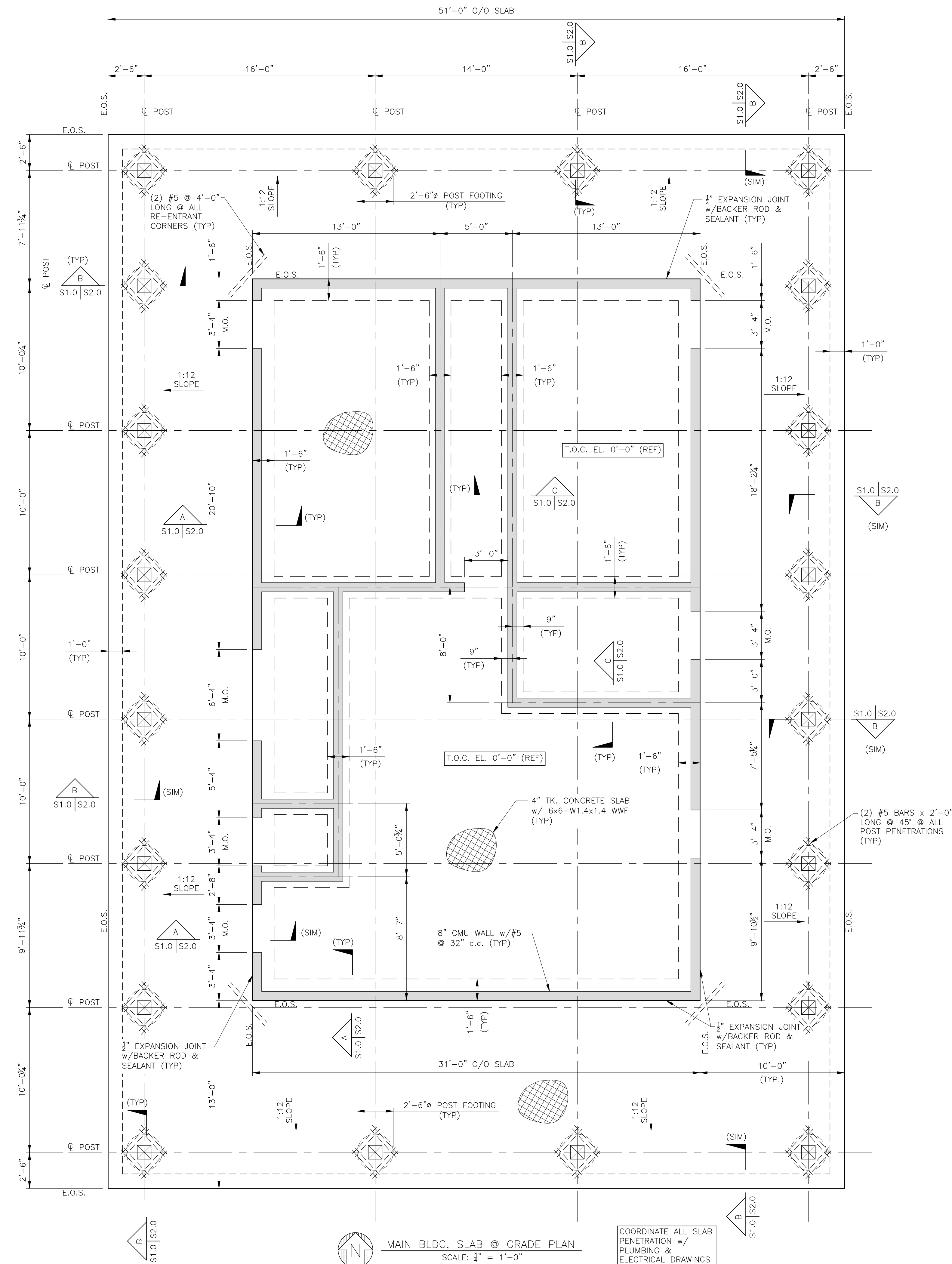
GENERAL NOTES  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

REV.	OR	CHK.	DATE	DESCRIPTION
0		WS	7/20/23	ISSUED FOR PERMIT
1		WS	8/28/24	REVISED SOILS REPORT NOTE

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S0.0

37237-01



MAIN BLDG. SLAB @ GRADE PLAN  
 SCALE: 1/4" = 1'-0"

COORDINATE ALL SLAB PENETRATION w/ PLUMBING & ELECTRICAL DRAWINGS

LEGEND	
	= 8" CMU w/ #5 @ 32" c.c.
	= P.T. 12x12 POST
	= EDGE OF SLAB

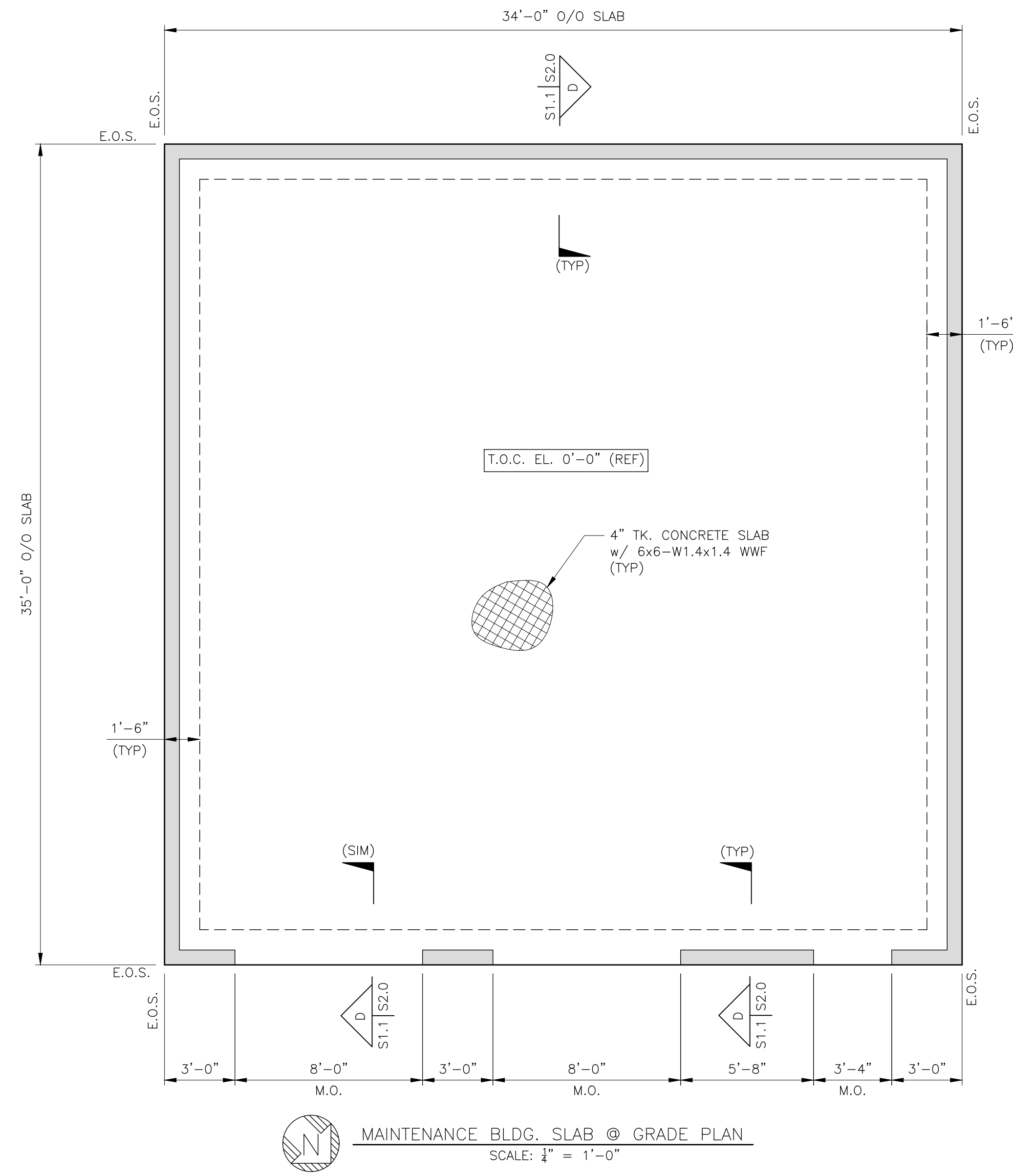
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MAIN BLDG. SLAB @ GRADE PLAN  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

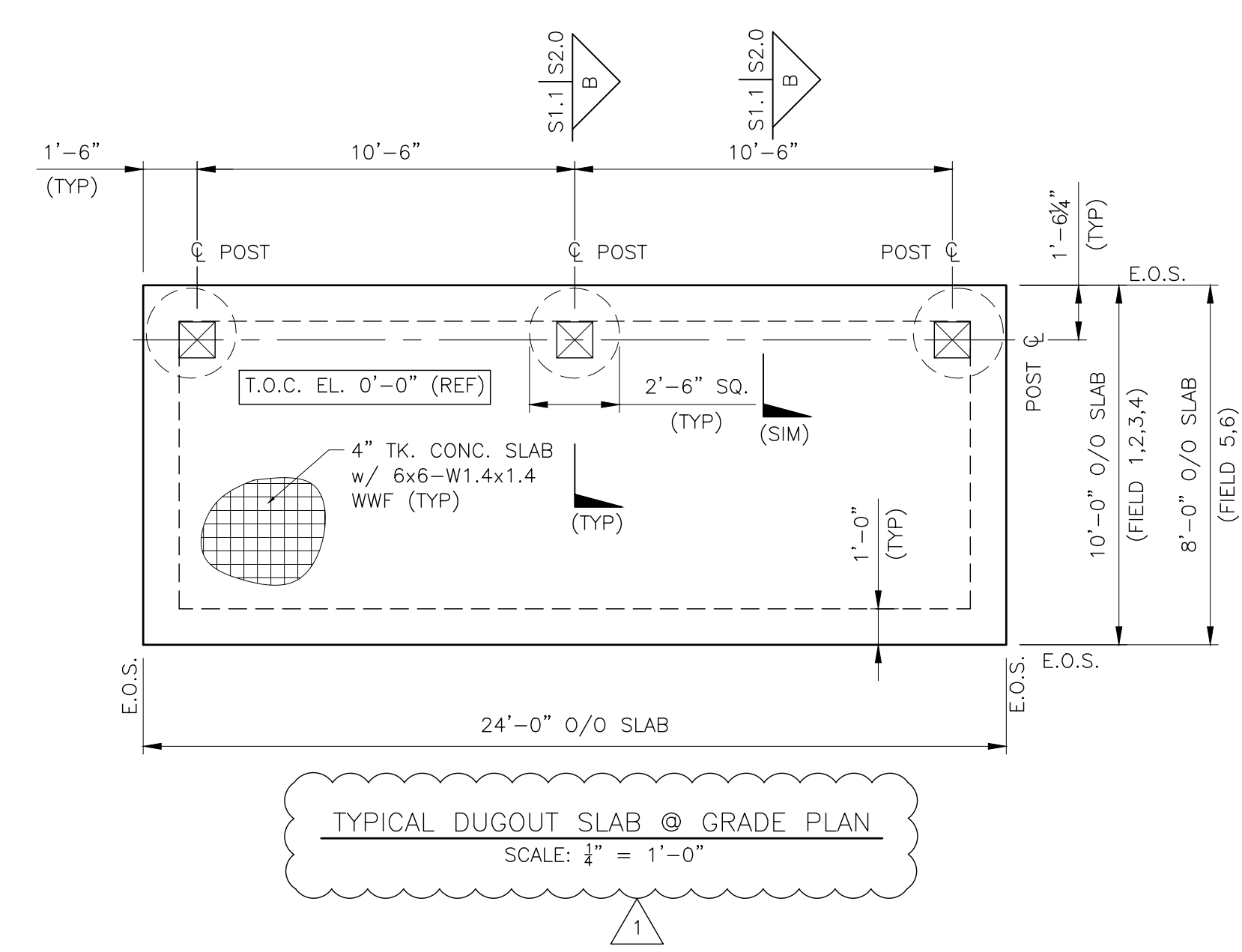
REV.	OR.	CHK.	DATE	DESCRIPTION
0		WS	7/11/2023	ISSUED FOR PERMIT

**S1.0**

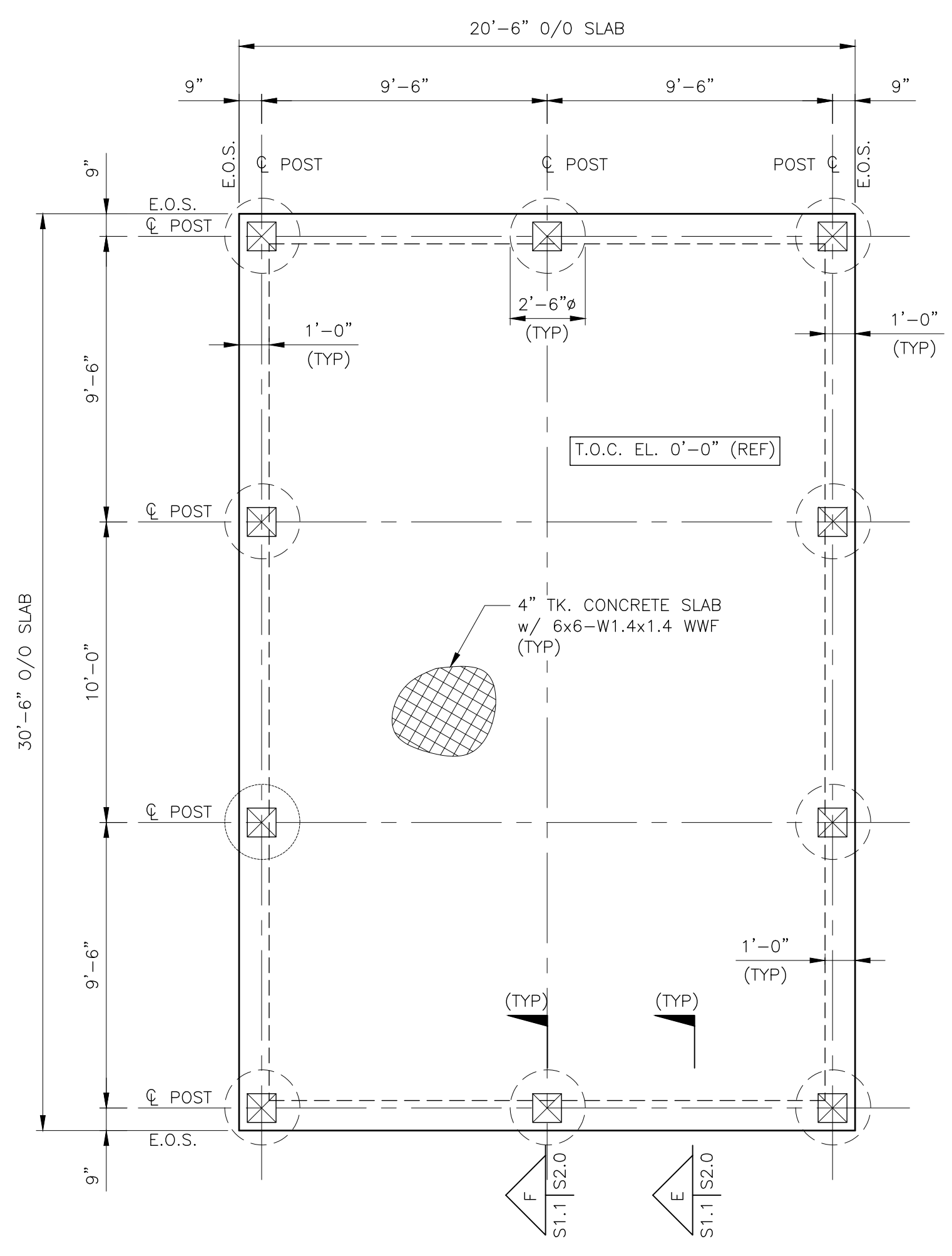
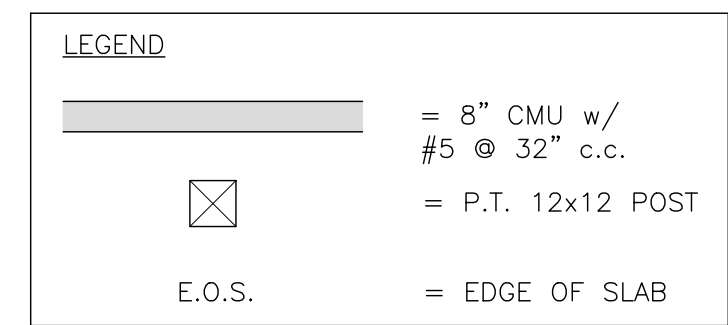




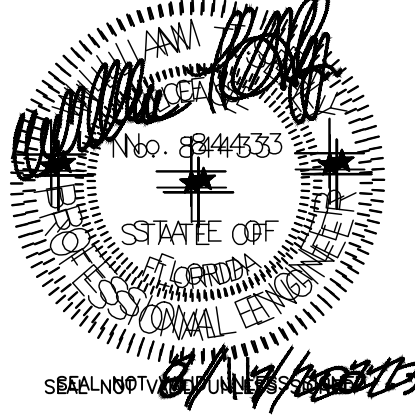
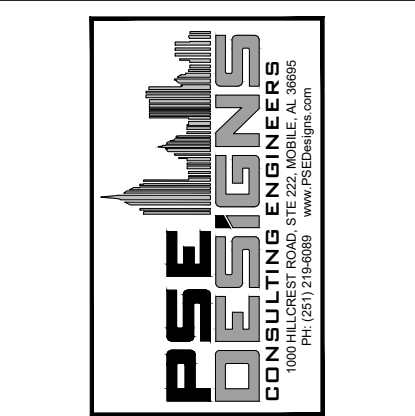
**MAINTENANCE BLDG. SLAB @ GRADE PLAN**  
 SCALE: 1/4" = 1'-0"



**TYPICAL DUGOUT SLAB @ GRADE PLAN**  
 SCALE: 1/4" = 1'-0"



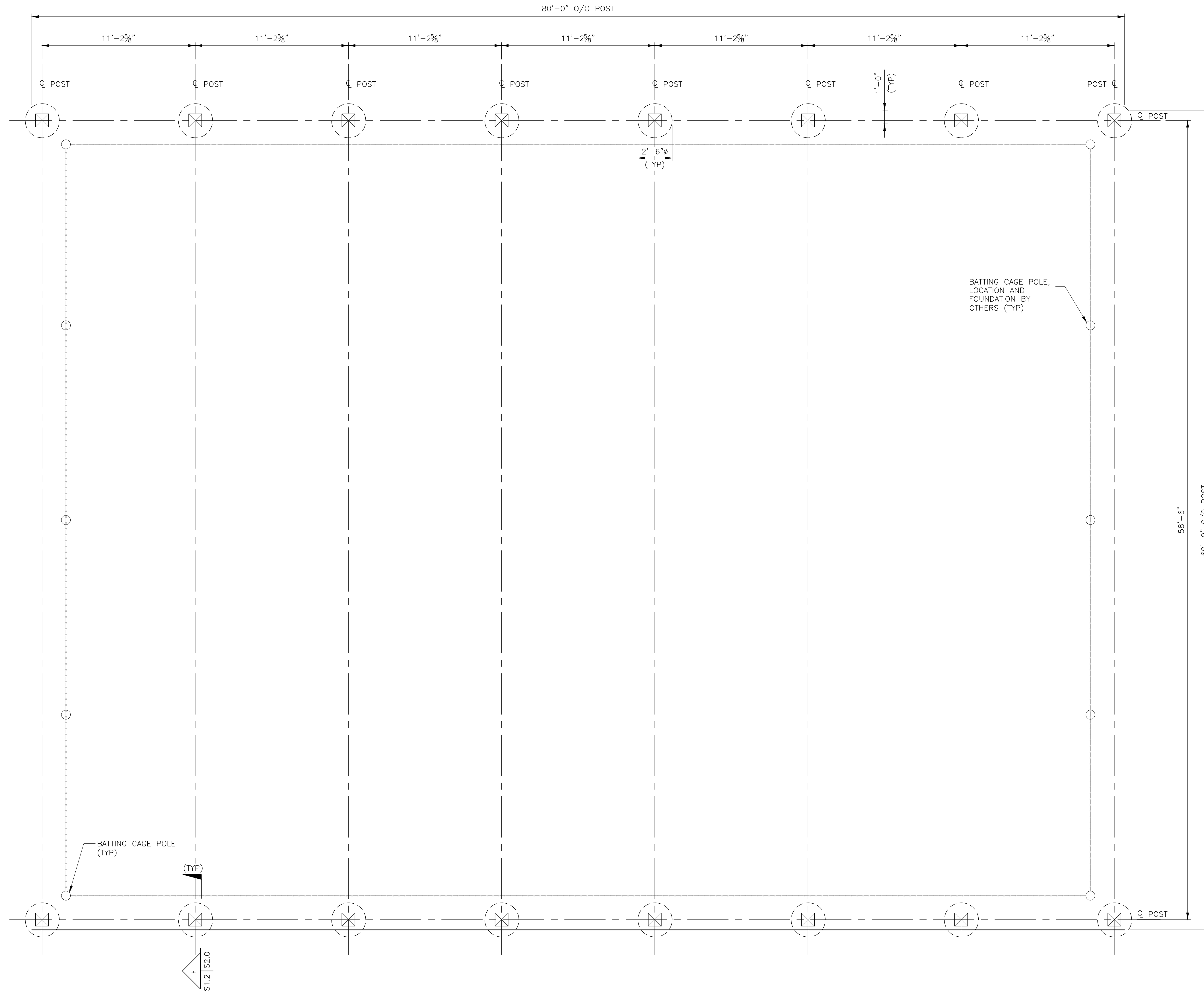
**PAVILION SLAB @ GRADE PLAN**  
 SCALE: 1/4" = 1'-0"



**VARIOUS SLAB @ GRADE PLANS**  
 SITE IMPROVEMENTS FOR  
**SOUTHPORT SPORTS COMPLEX**  
 SOUTHPORT, FL

REV.	DR.	CHK.	DATE	DESCRIPTION
0	WS	WS	7/11/2022	ISSUED FOR PERMIT
1	WS	WS	8/17/2023	POST SIZE & SPACING

**S1.1**



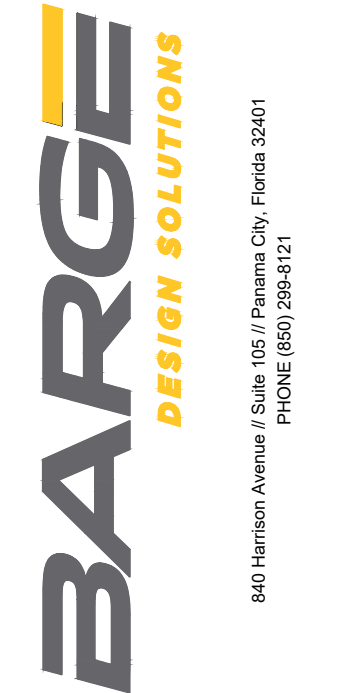
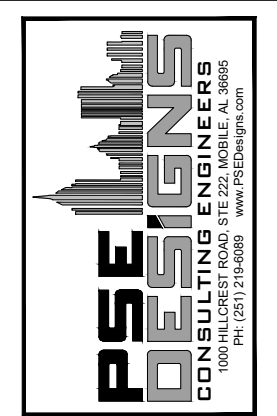
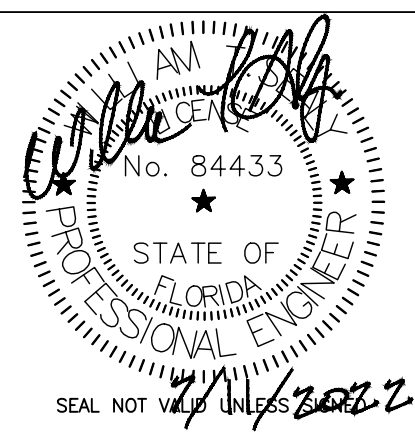
BATting CAGE POST PLAN  
 SCALE: 1/4" = 1'-0"

LEGEND	
	= 8" CMU w/ #5 @ 32" c.c.
	= P.T. 12x12 POST

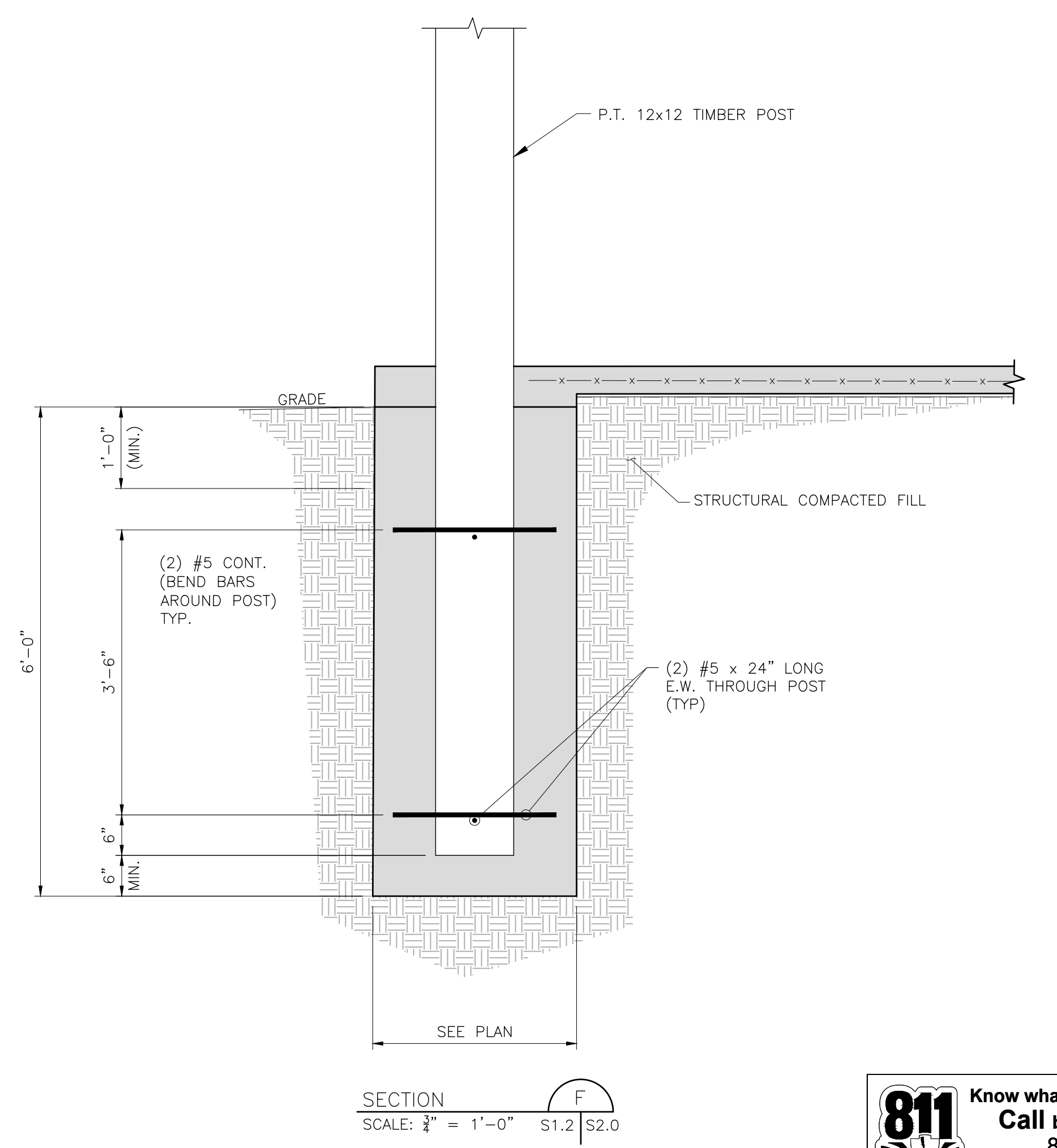
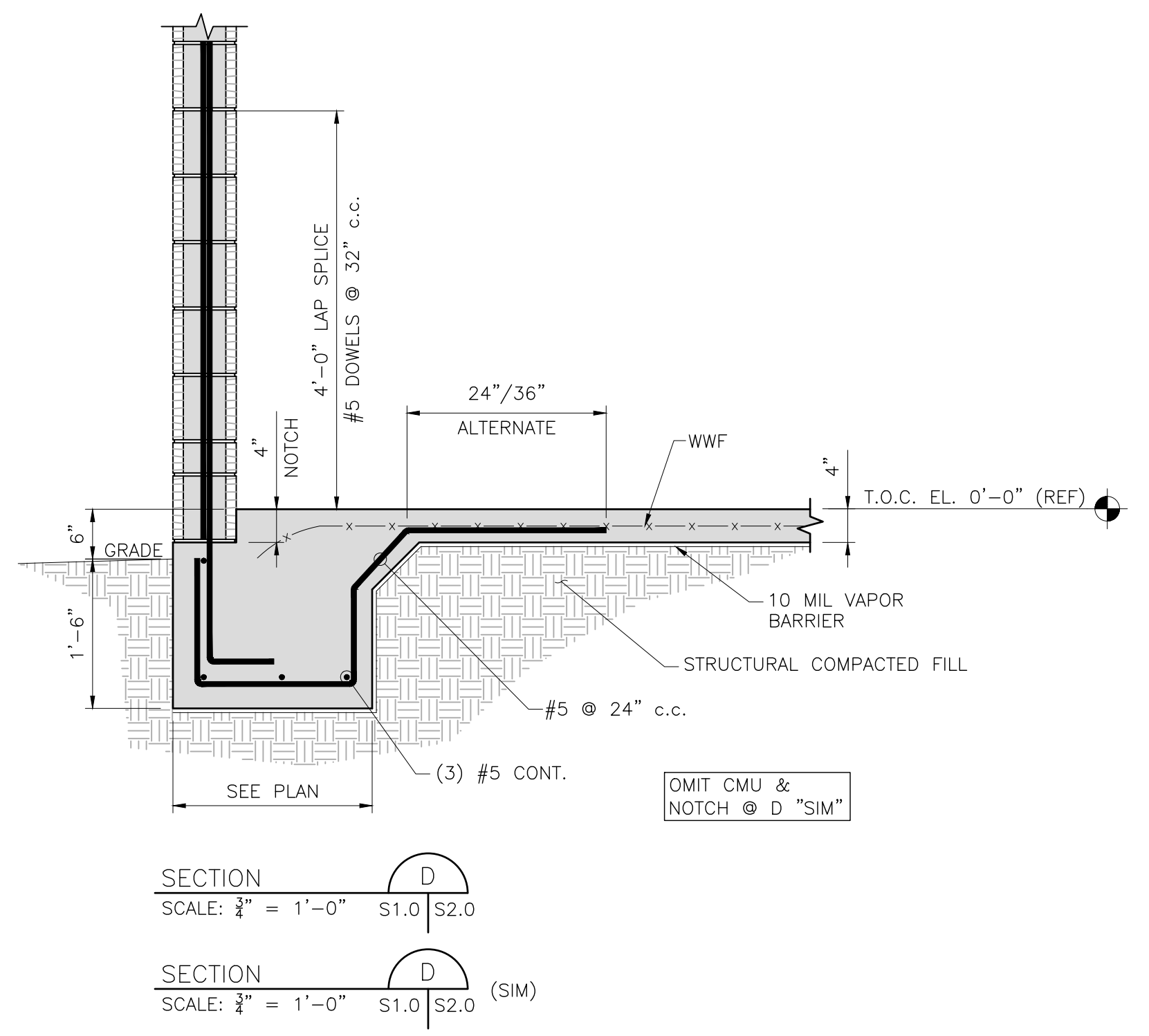
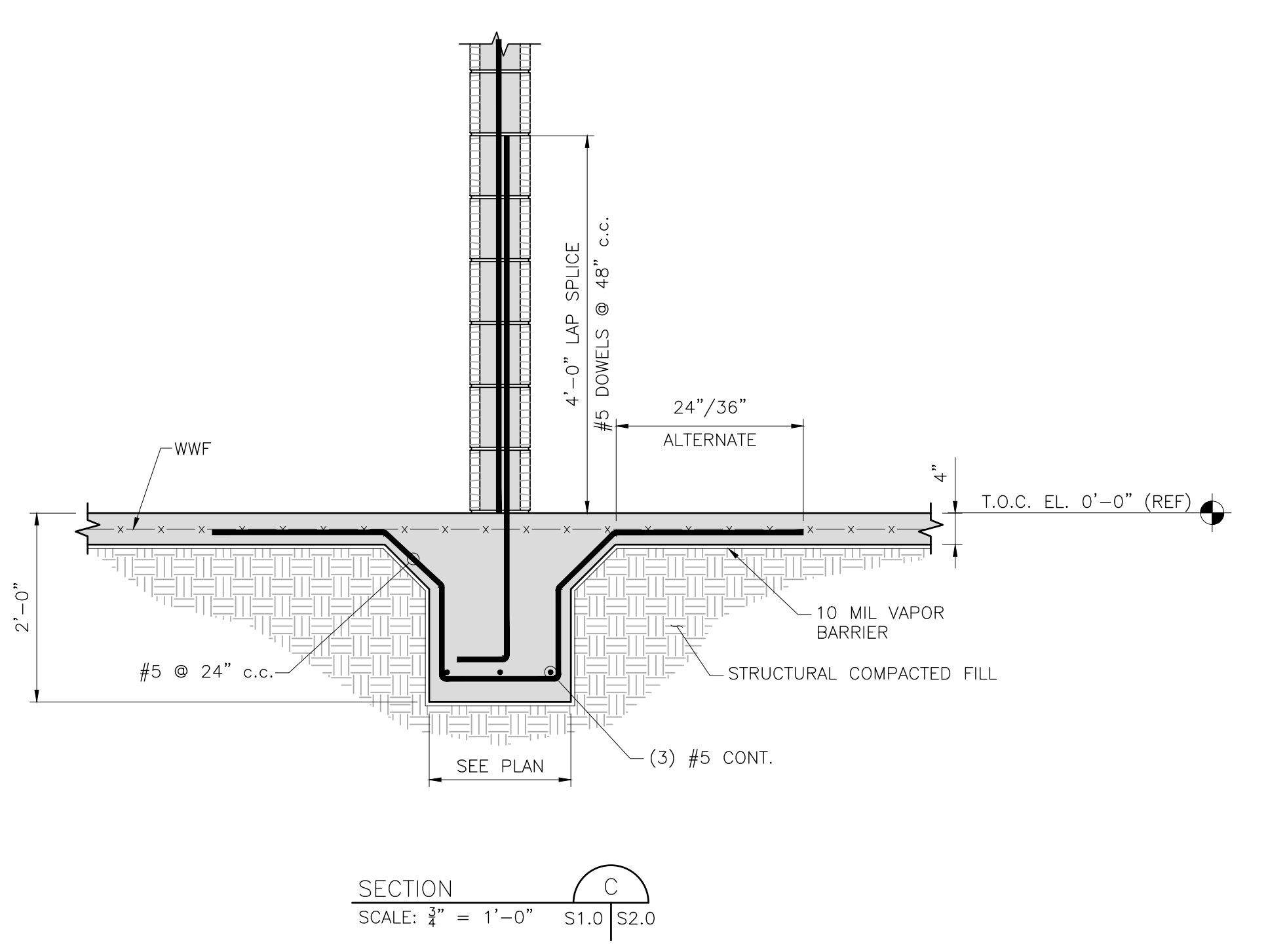
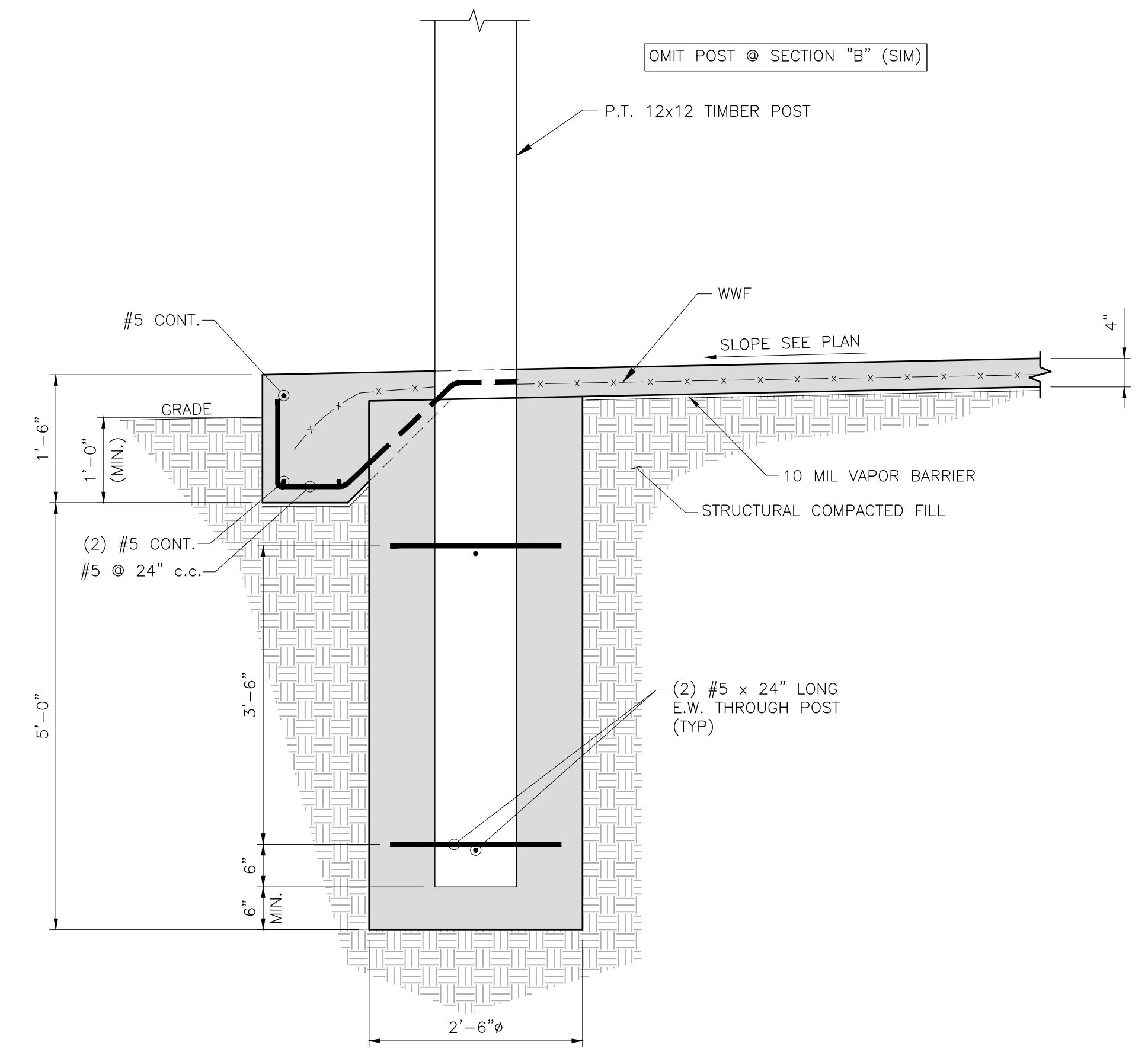
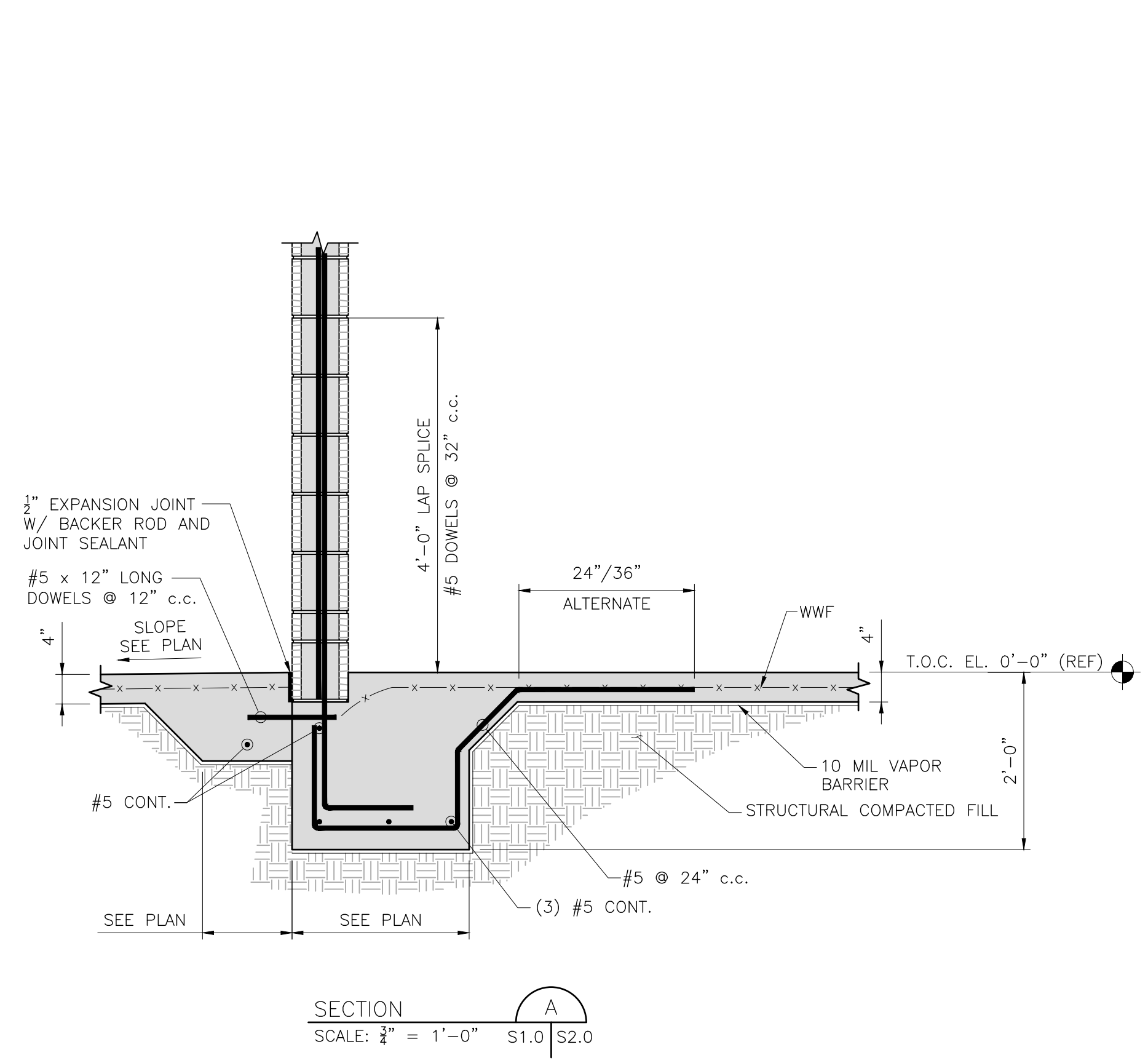
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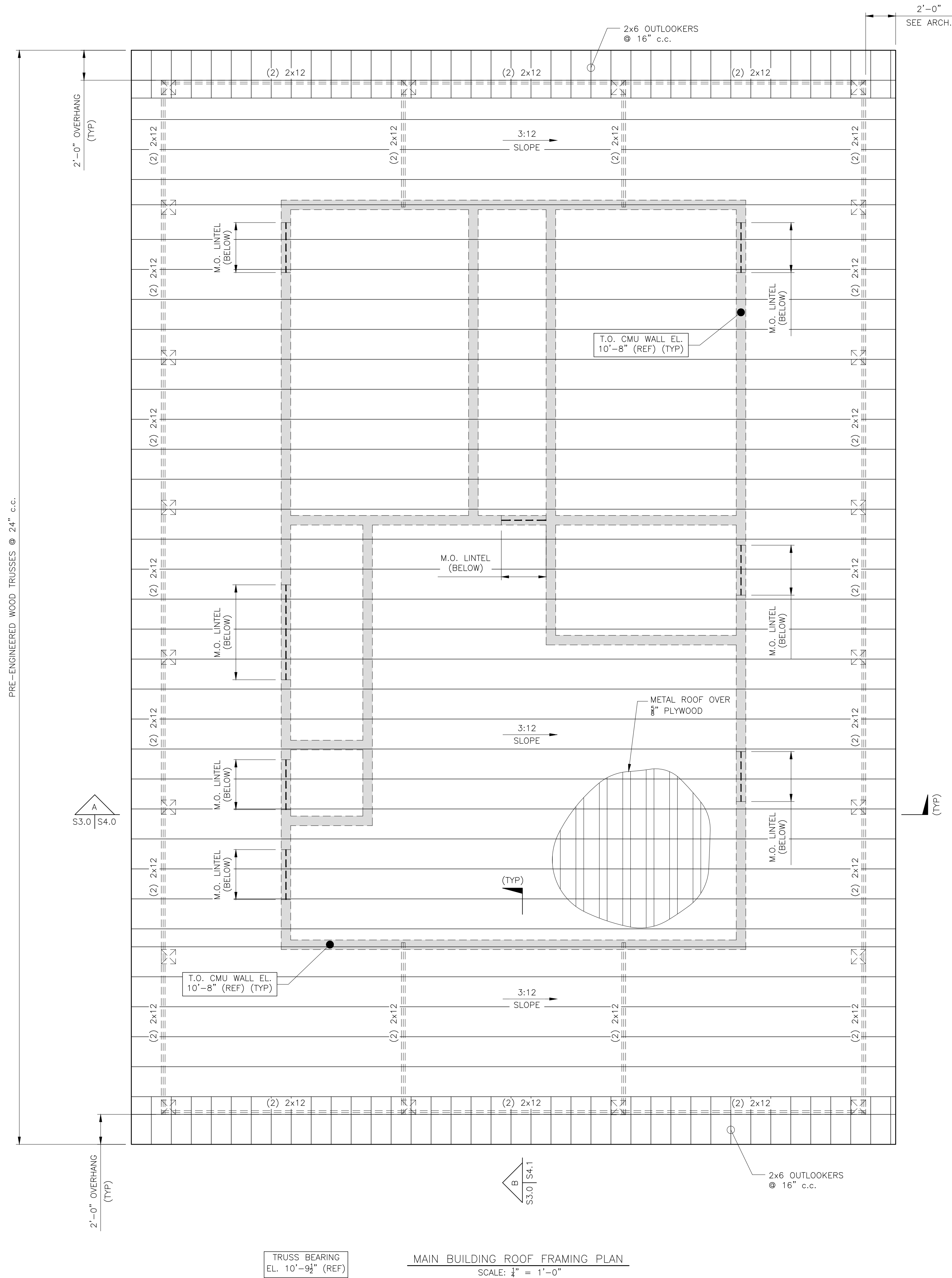
BATting CAGE POST PLAN  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL



REV.	OR.	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT



USER:KCRK  
FILE:J:\Projects\2021 Projects\2021 - 10000 - Miscellaneous Clients\2021050 - Barge Design - Southport Sports Complex - Design\Drawings\Bay County Southport Sports Complex.dwg  
SAVED:8/17/2023  
PLOTTED:8/17/2023



MAIN BUILDING ROOF FRAMING PLAN  
 SCALE: 1/4" = 1'-0"

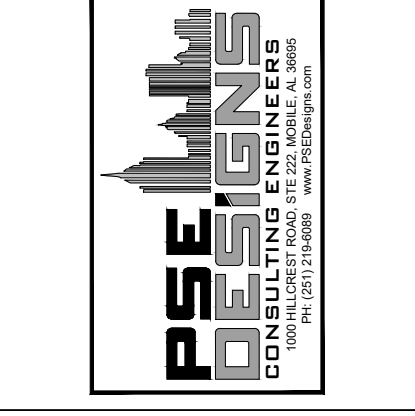
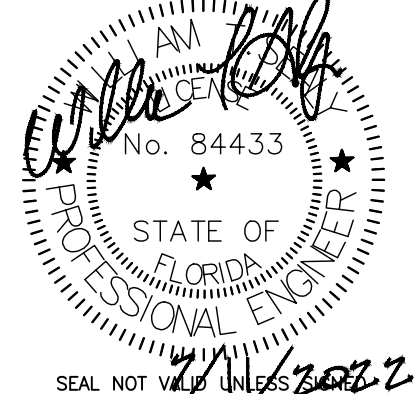
LEGEND

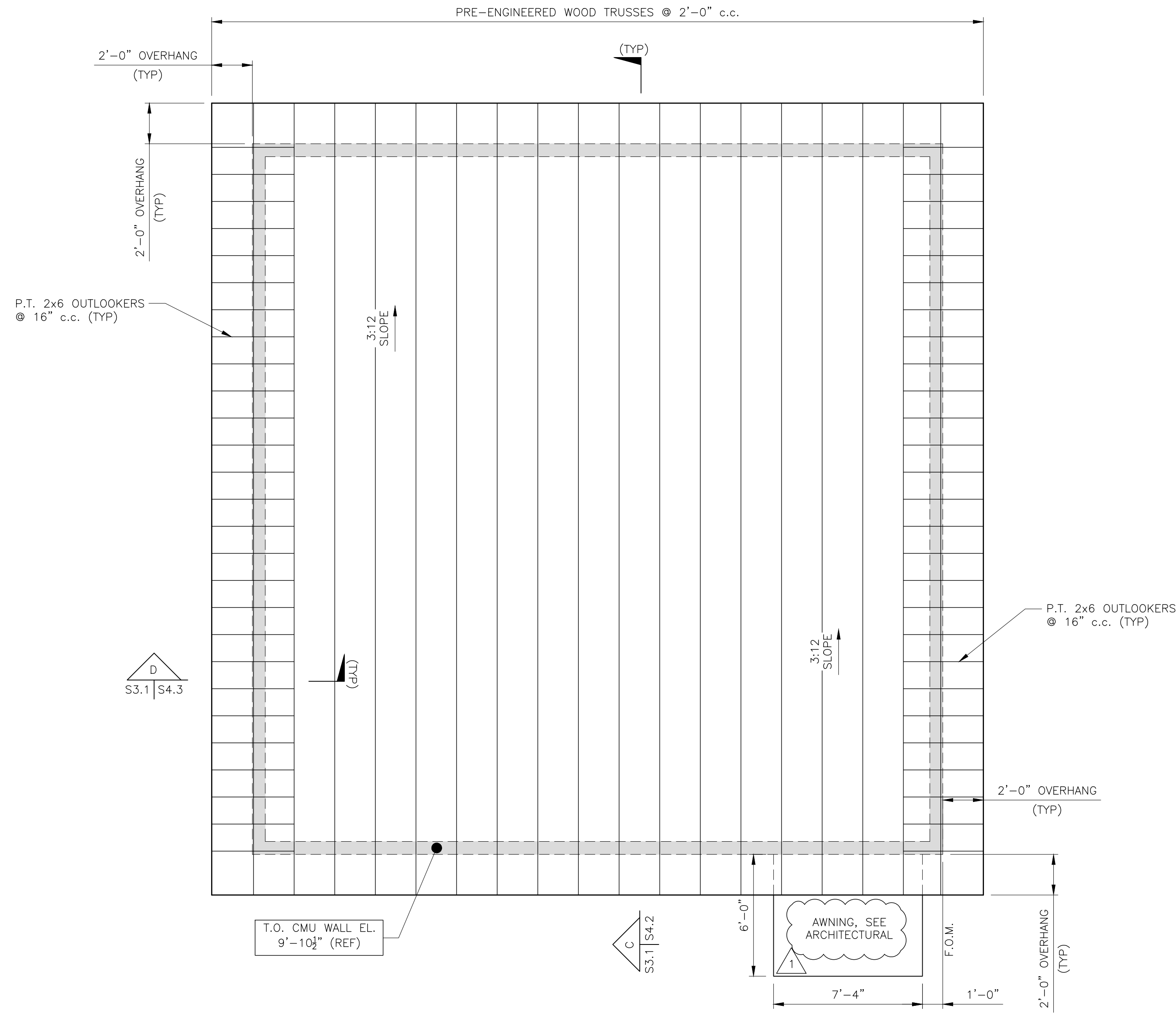
	= 8" CMU w/ #5 @ 32" c.c.
	= P.T. 12x12 POST

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0	RS	WS	7/11/2022	ISSUED FOR PERMIT

MAIN BLDG. ROOF FRAMING PLAN  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL



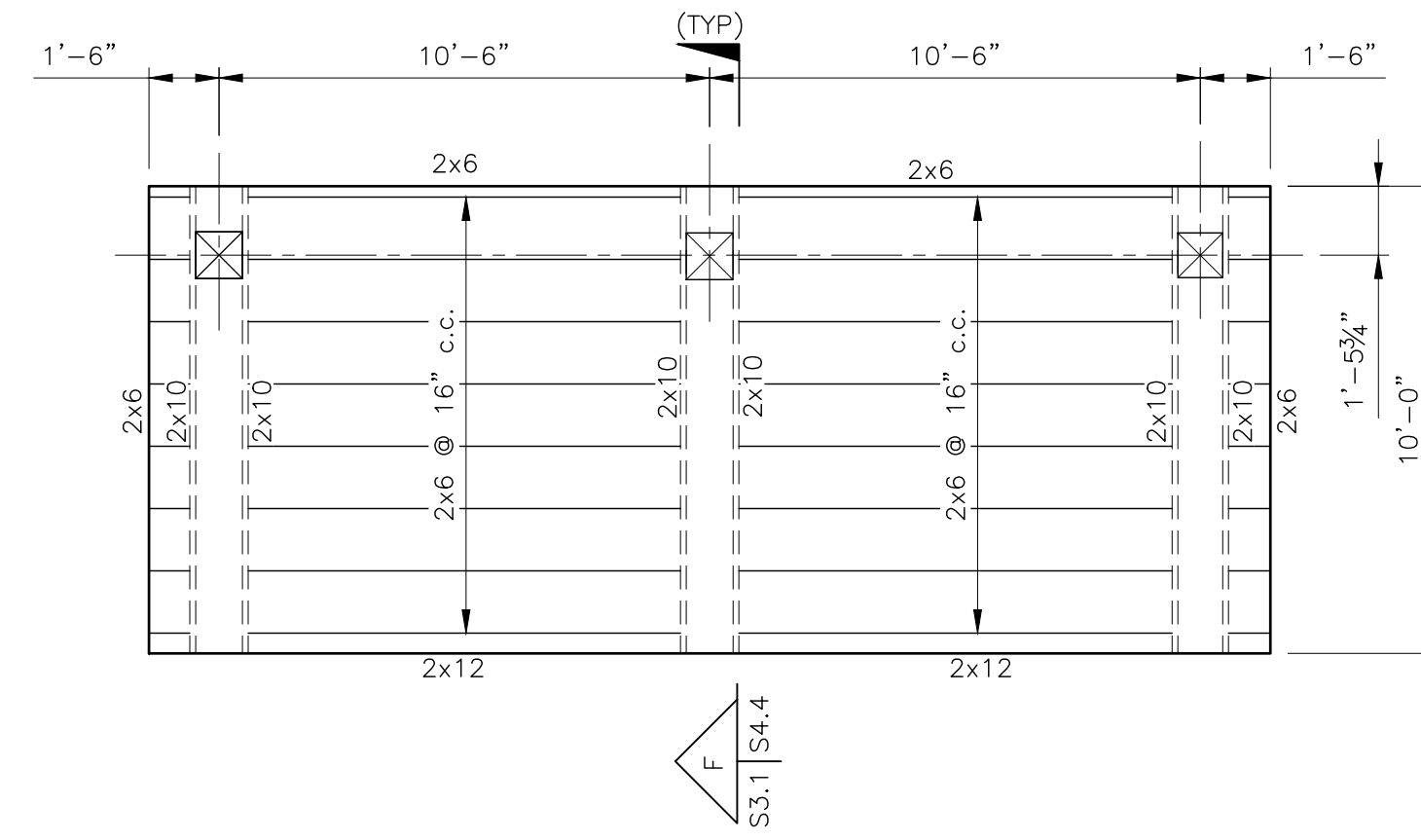


**MAINTENANCE BLDG. ROOF FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

**LEGEND**

[Hatched Box] = 8" CMU w/ #5 @ 32" c.c.

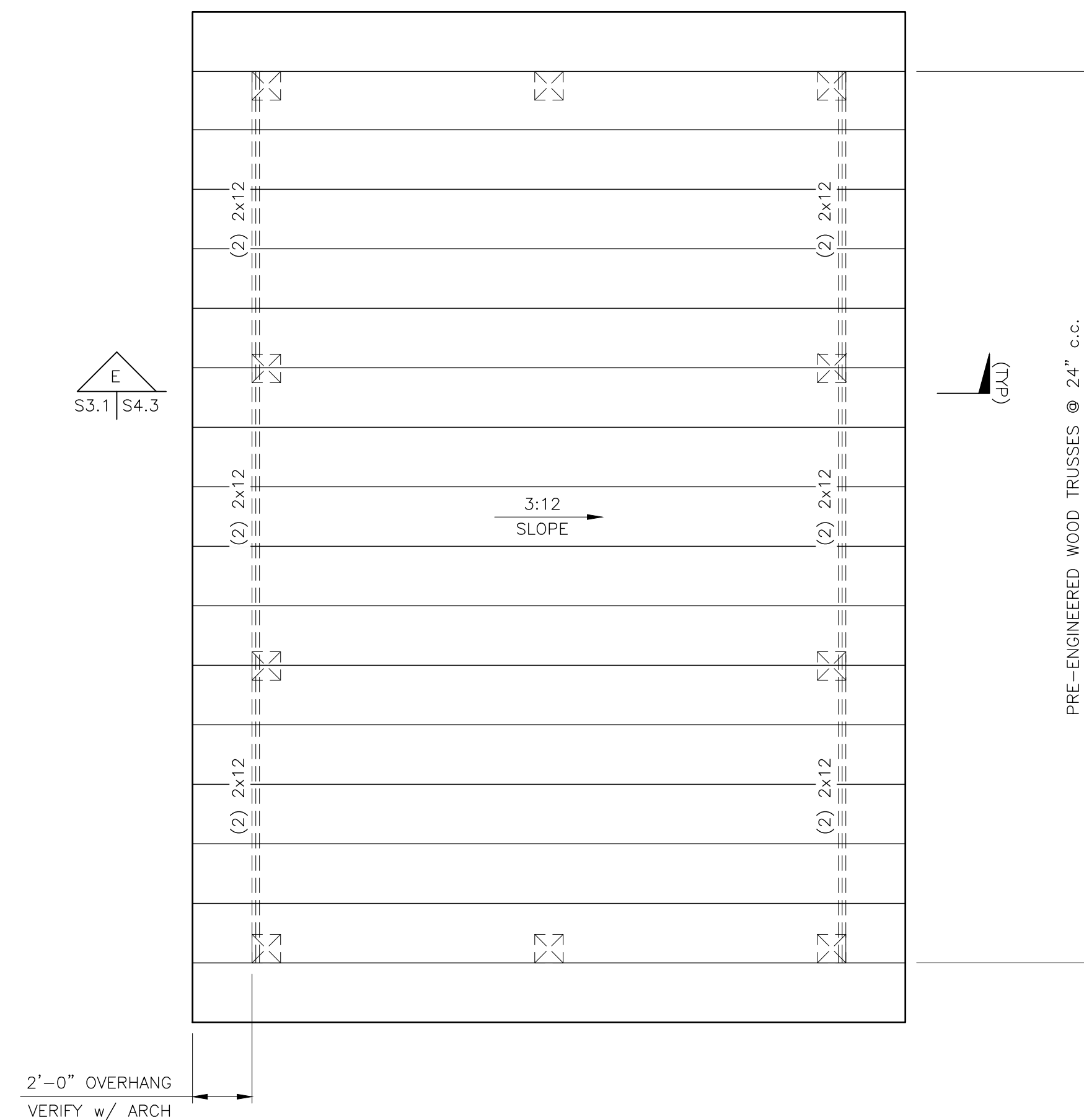
[Box with X] = P.T. 12x12 POST



**TYPICAL DUGOUT ROOF FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

**LEGEND**

[Box with X] = P.T. 8x8 POST



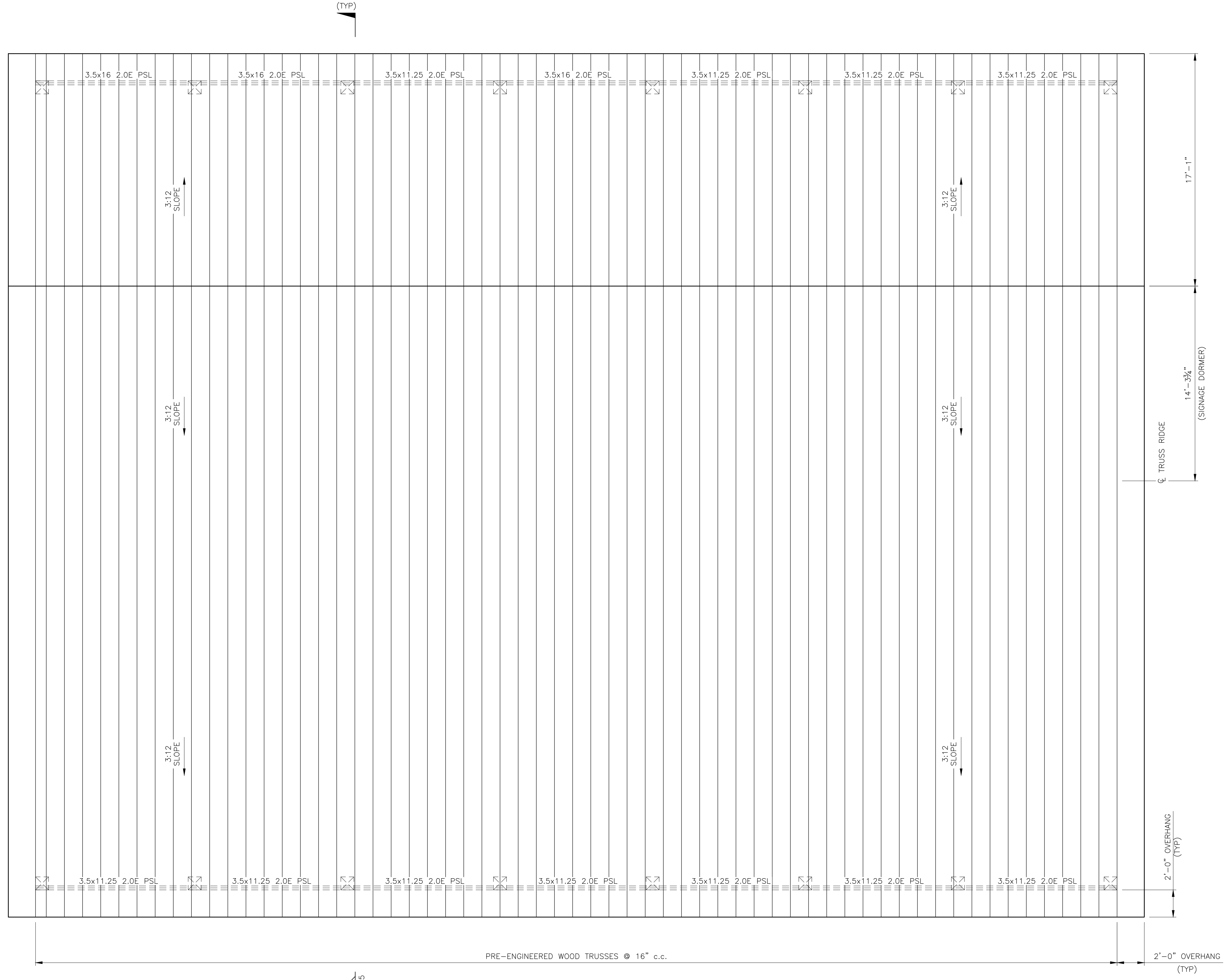
**PAVILION ROOF FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"

**LEGEND**

[Box with X] = P.T. 12x12 POST

REV.	OR	CHK.	DATE	DESCRIPTION
0	WS	WS	7/11/2022	ISSUED FOR PERMIT
1	WS	WS	8/17/2023	AWNING NOTE DUGOUT FRAMING PLAN

**811** Know what's below  
 Call before you dig.  
 811  
 www.call811.com



S3.2 | S4.5

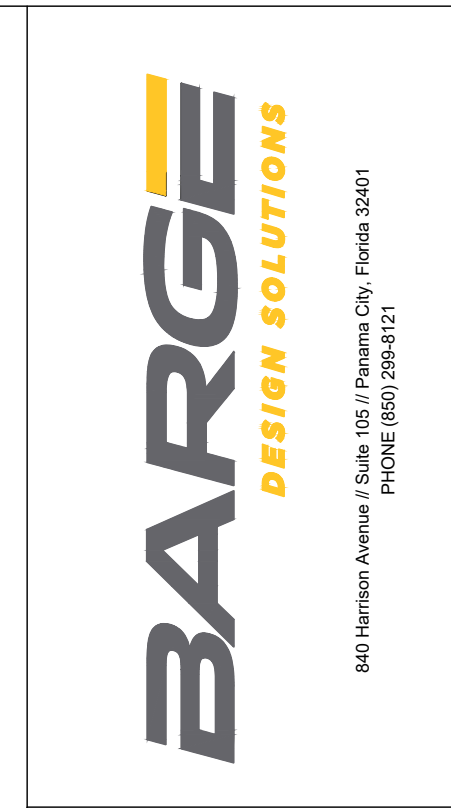
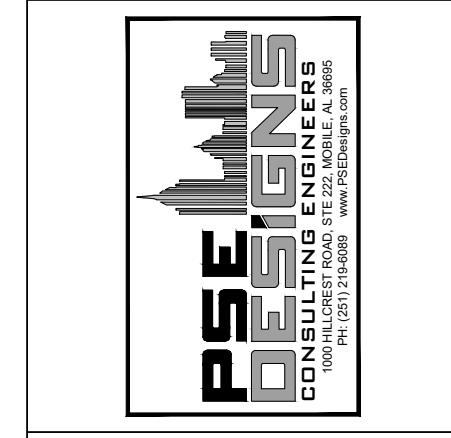
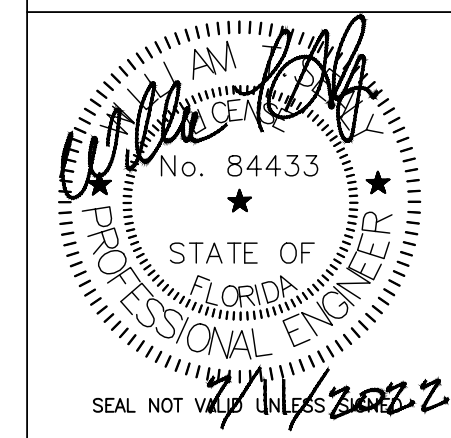
BATTING CAGE ROOF FRAMING PLAN  
 SCALE: 1/4" = 1'-0"

LEGEND  
 = P.T. 12x12 POST

**811** Know what's below  
 Call before you dig.  
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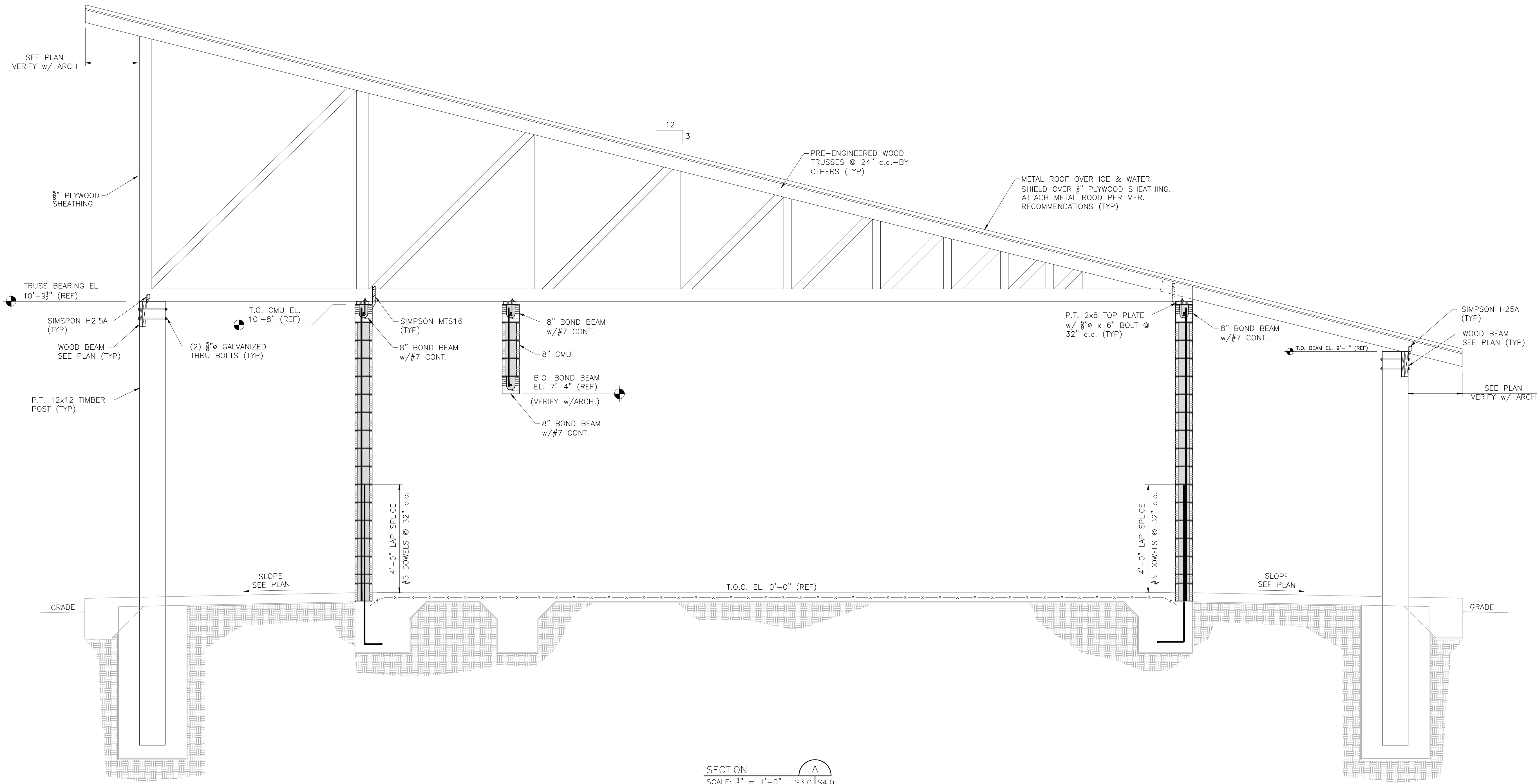
REV.	BY	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT

BATTING CAGE ROOF FRAMING PLAN  
 SITE IMPROVEMENTS FOR  
**SOUTHPORT SPORTS COMPLEX**  
 SOUTHPORT, FL



WALL SECTIONS

SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL



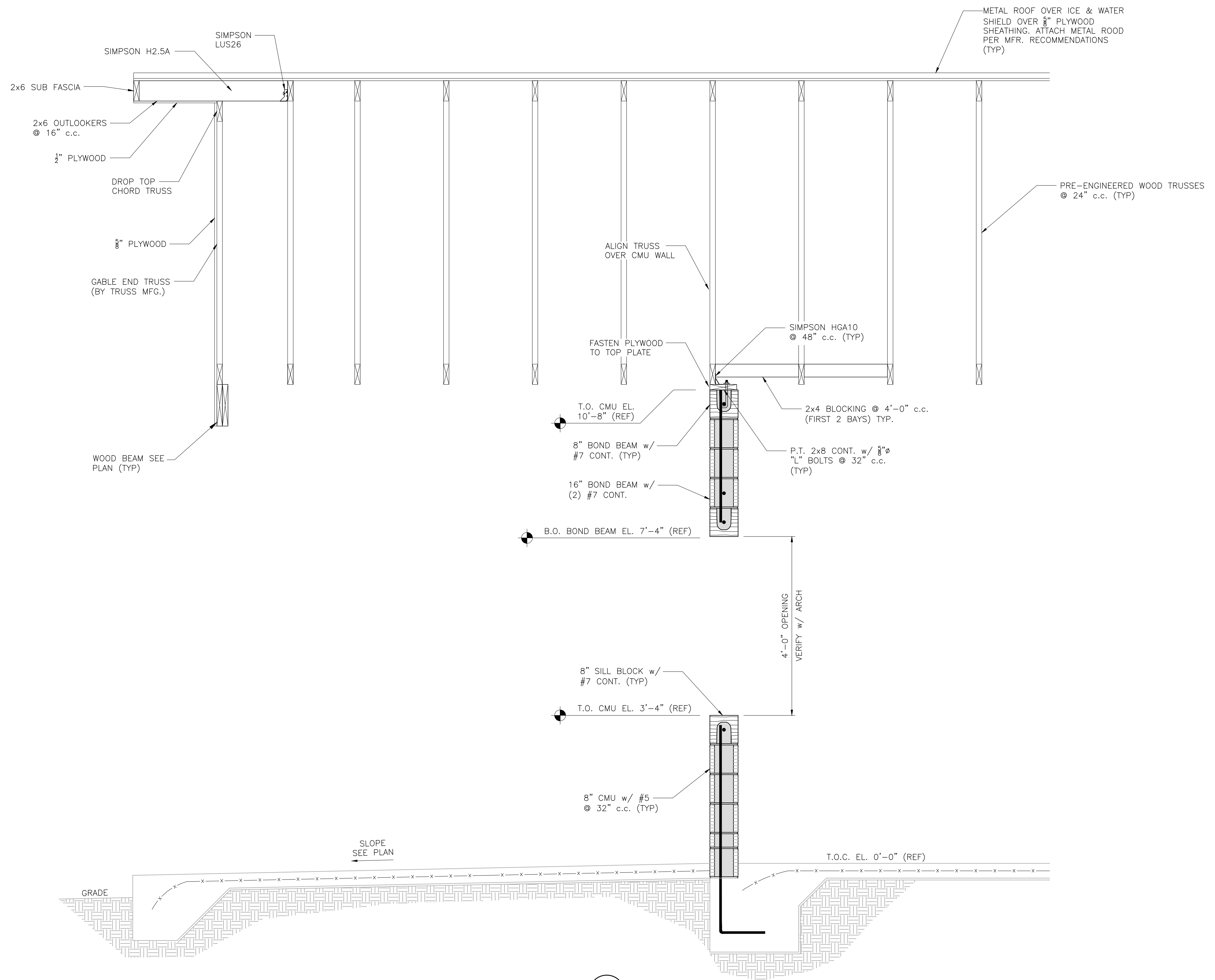
SECTION A  
SCALE: 1/2" = 1'-0" S3.0 | S4.0

**811** Know what's below  
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811  
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REV.	OR.	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT

**S4.0**

37237-01



SECTION B  
SCALE: 3/8" = 1'-0" S3.0 | S4.1

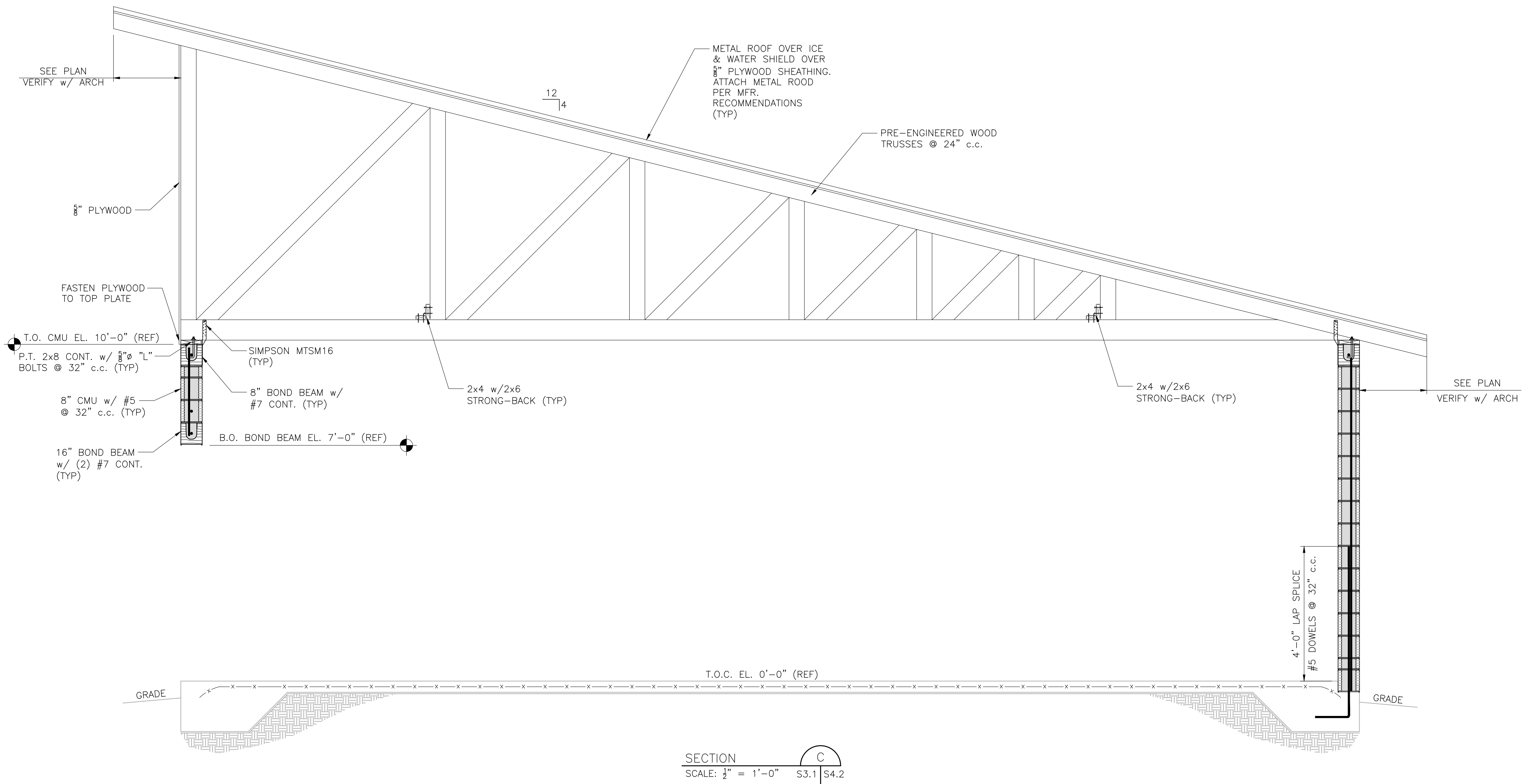
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SAVED:8/17/2023  
PLOTTED:8/17/2023

WALL SECTIONS  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DR.	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT







WALL SECTIONS  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

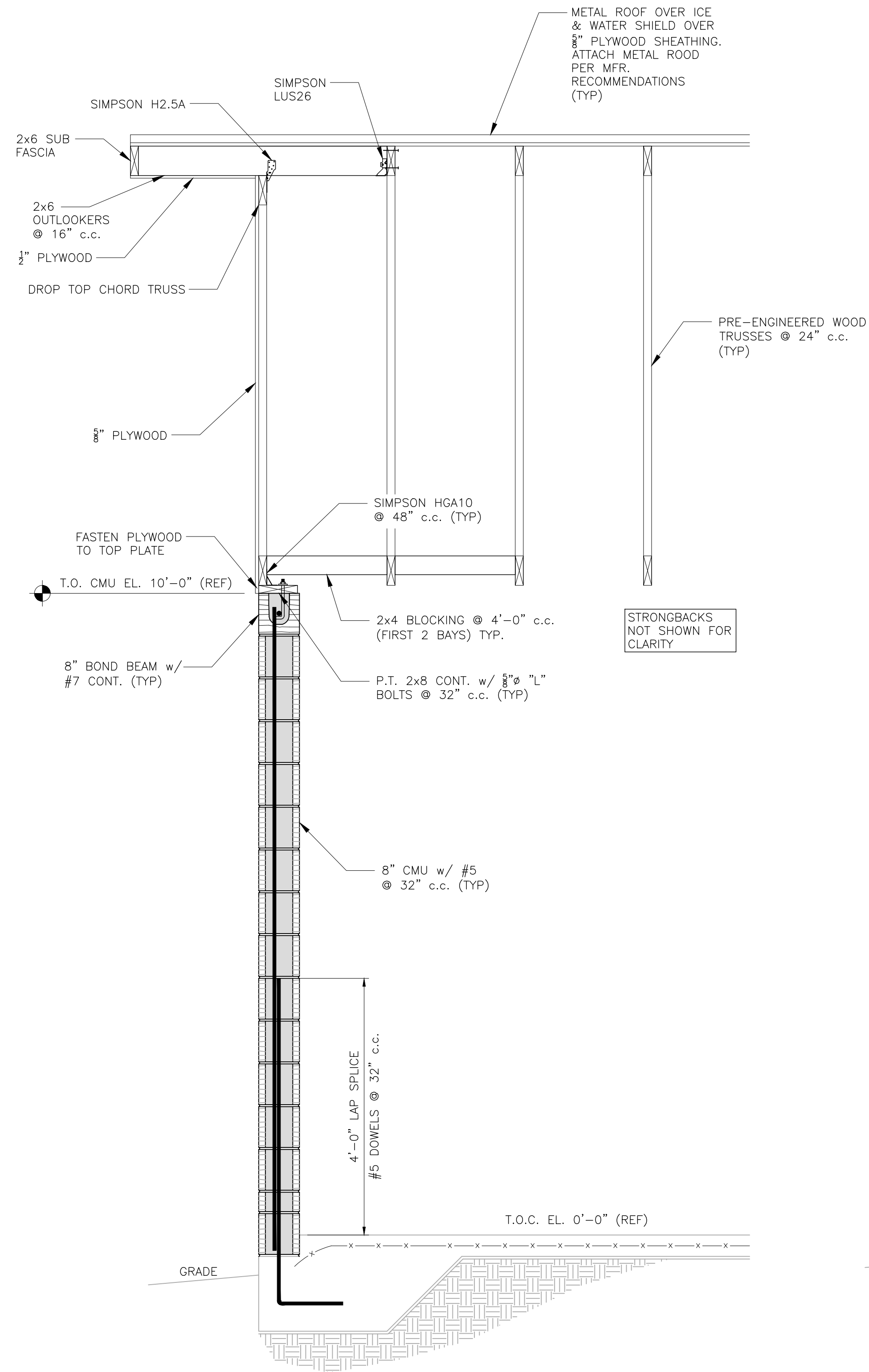
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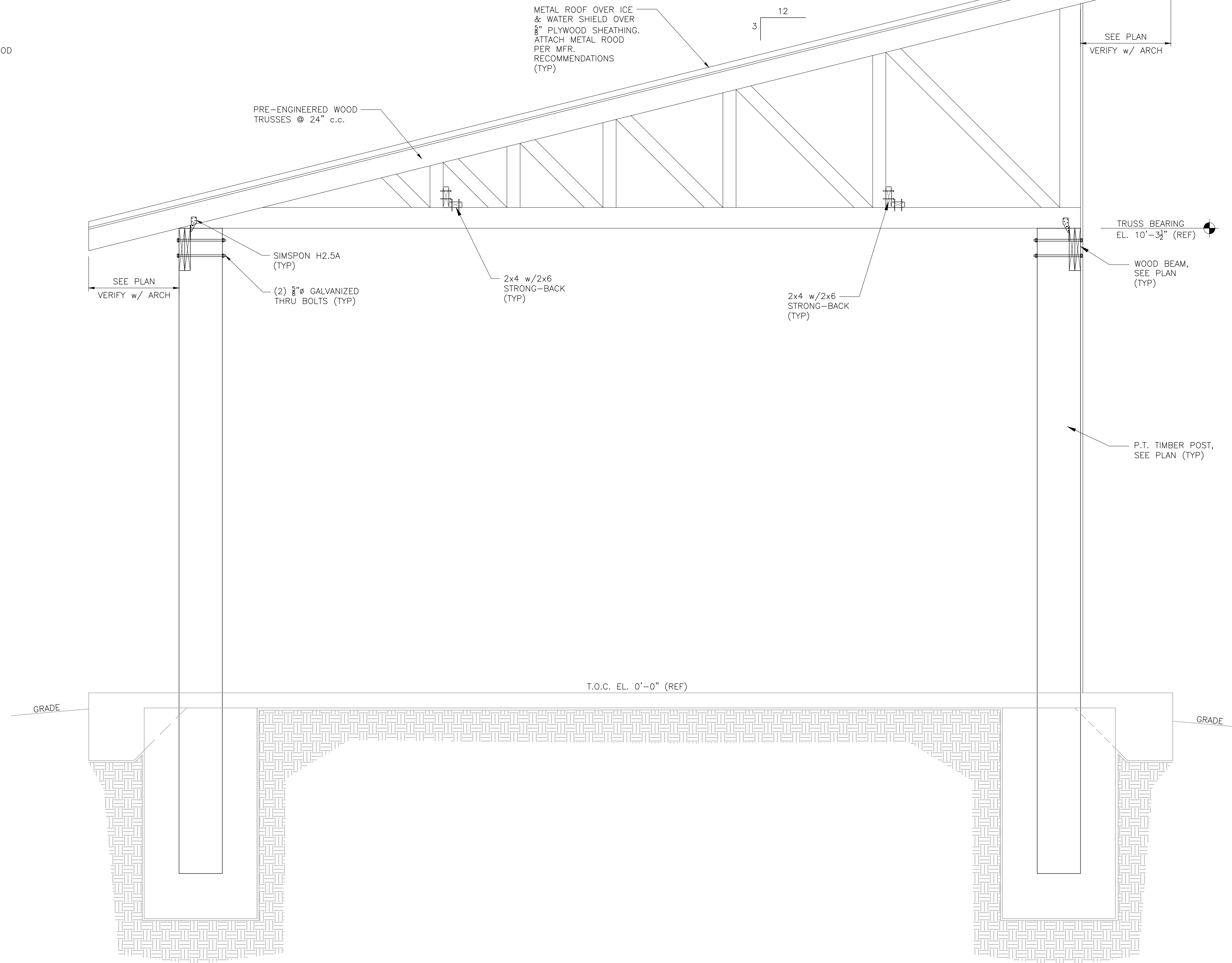
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37237-01

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 SAVED:8/17/2023  
 PLOTTED:8/17/2023



SECTION D  
 SCALE: 3/4" = 1'-0" S3.1 | S4.3



SECTION E  
 SCALE: 3/4" = 1'-0" S3.1 | S4.3



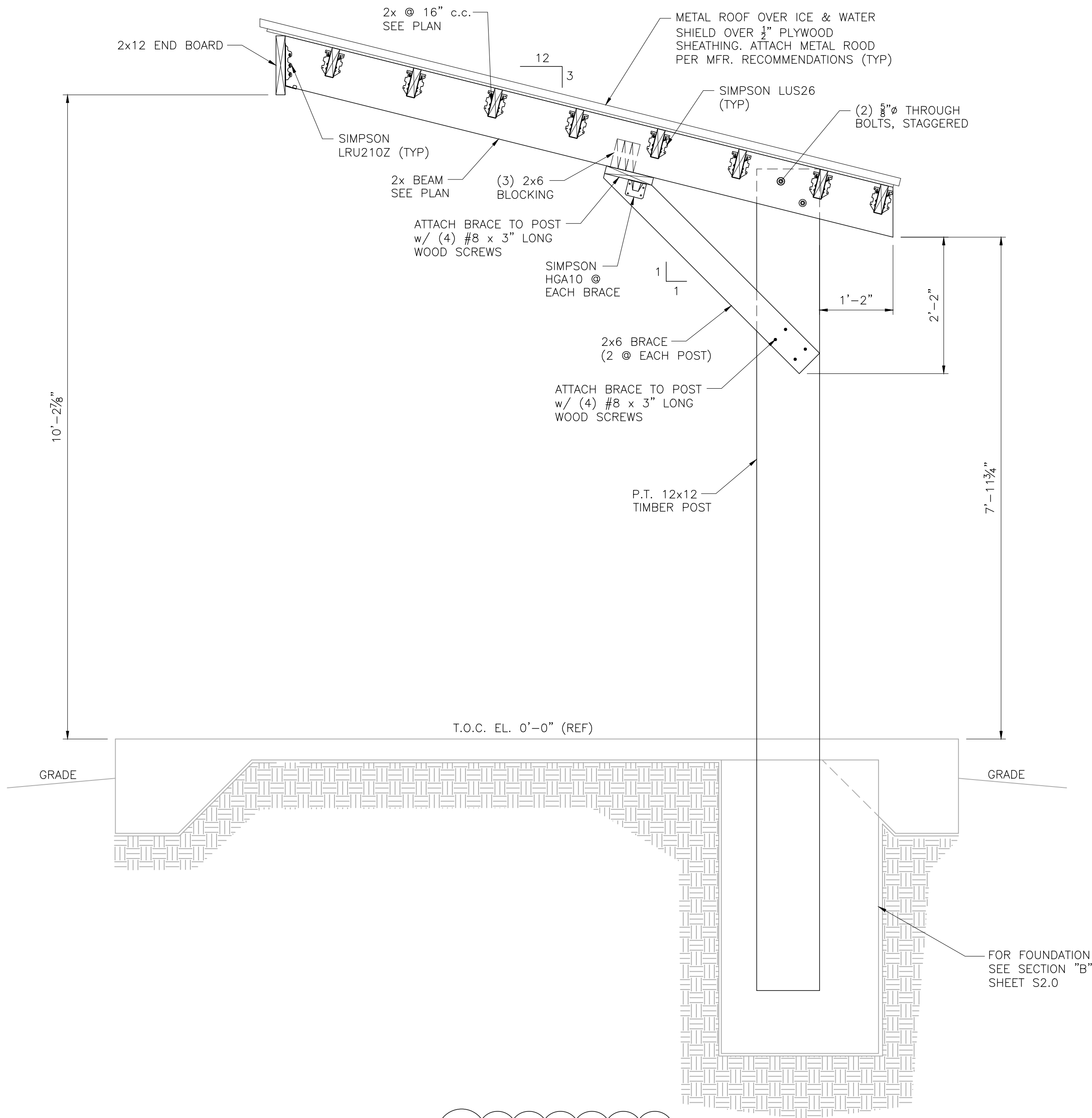
WALL SECTIONS  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

REV.	OR.	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT

S4.3

37237-01

USER:MKRHK  
 FILE:J:\Projects\2021 Projects\2021 - 10000 - Miscellaneous Clients\2021050 - Barge Design - Southport Sports Complex - Design\Drawings\Bay County Southport Sports Complex.dwg  
 SAVERD:8/17/2023  
 PLOTTED:8/17/2023



SECTION F  
 SCALE: 3/8" = 1'-0" S3.1 | S4.4

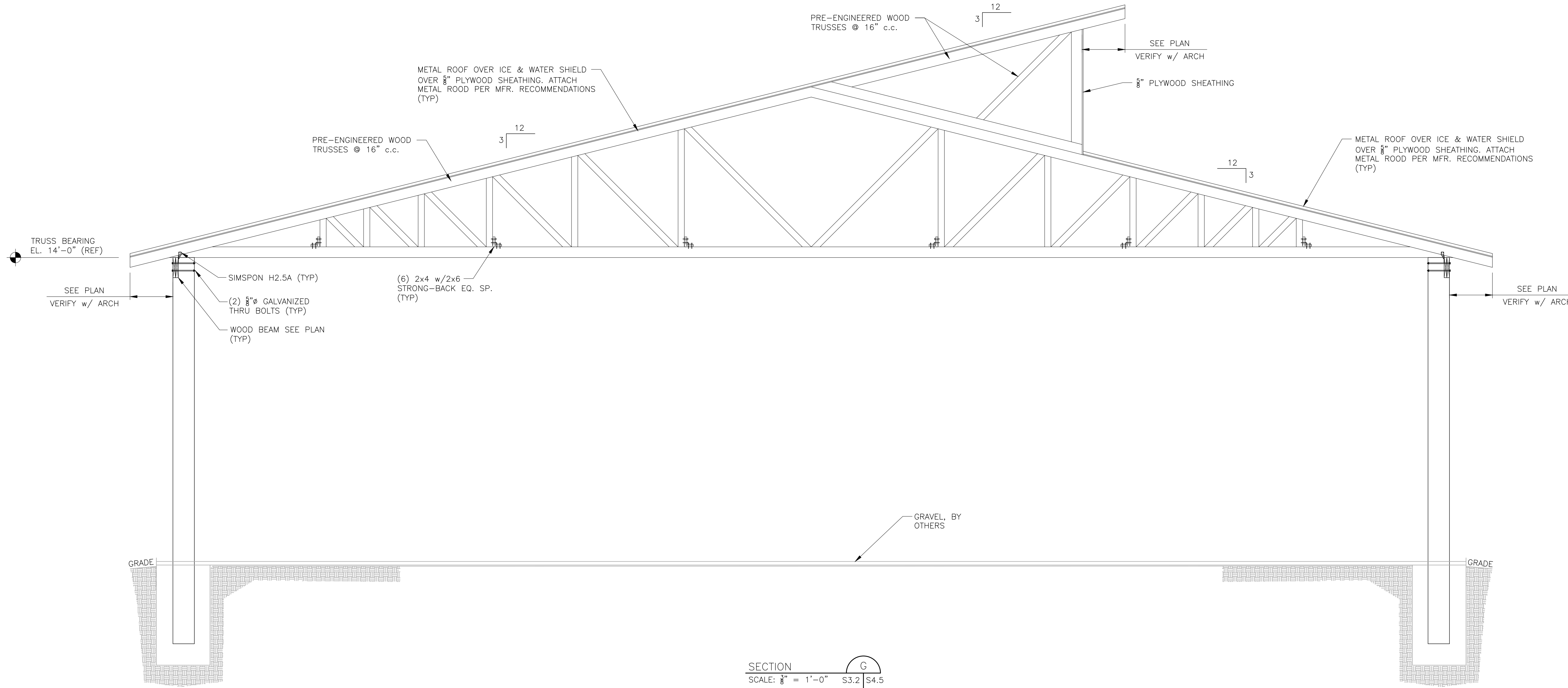


WALL SECTIONS  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

REV.	OR.	CHK.	DATE	DESCRIPTION
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1	RS	WS	8/17/2023	REVISED SECTION

**S4.4**

USER:MKRHK  
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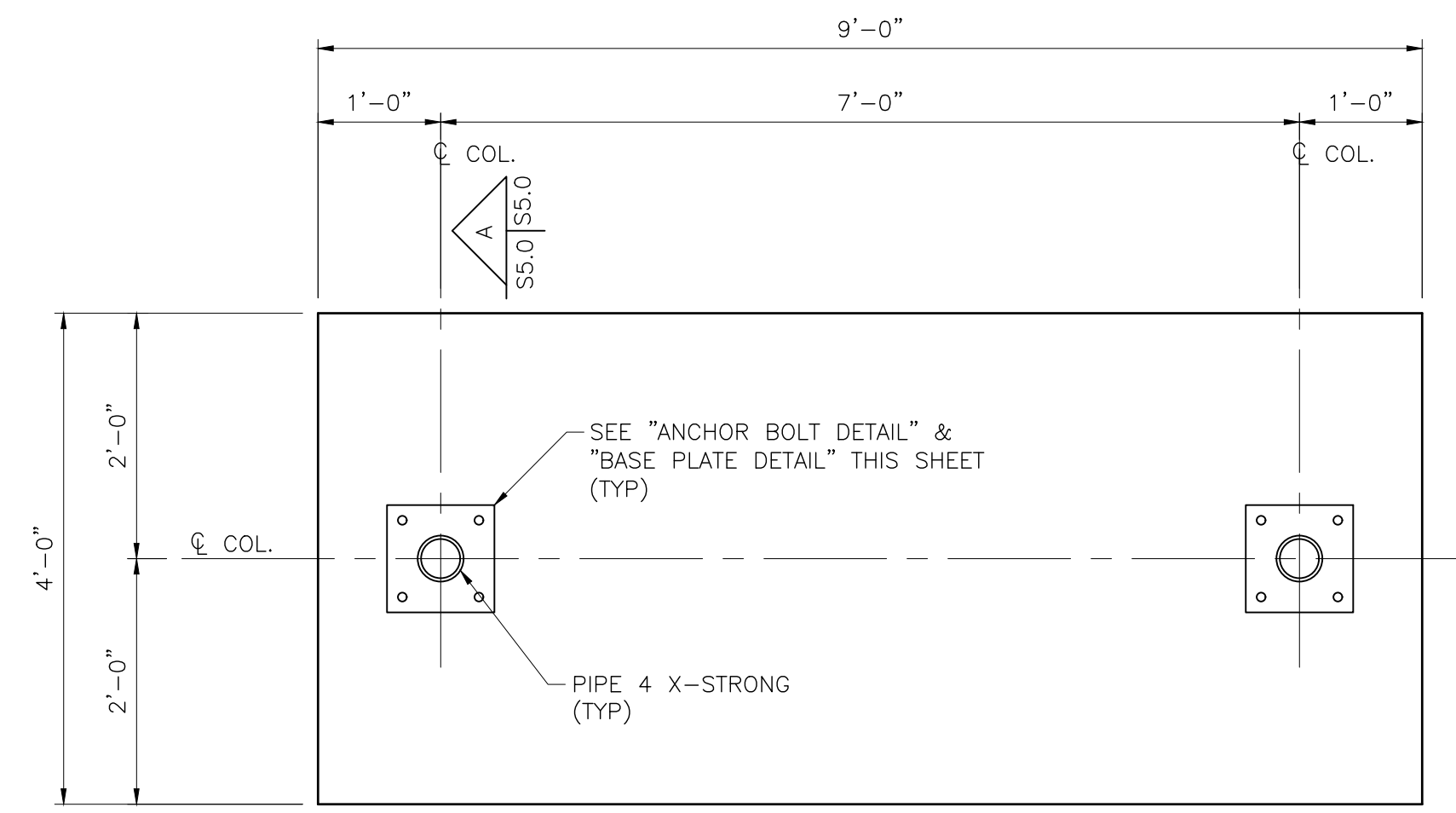


SECTION G  
 SCALE: 3/8" = 1'-0" S3.2 | S4.5

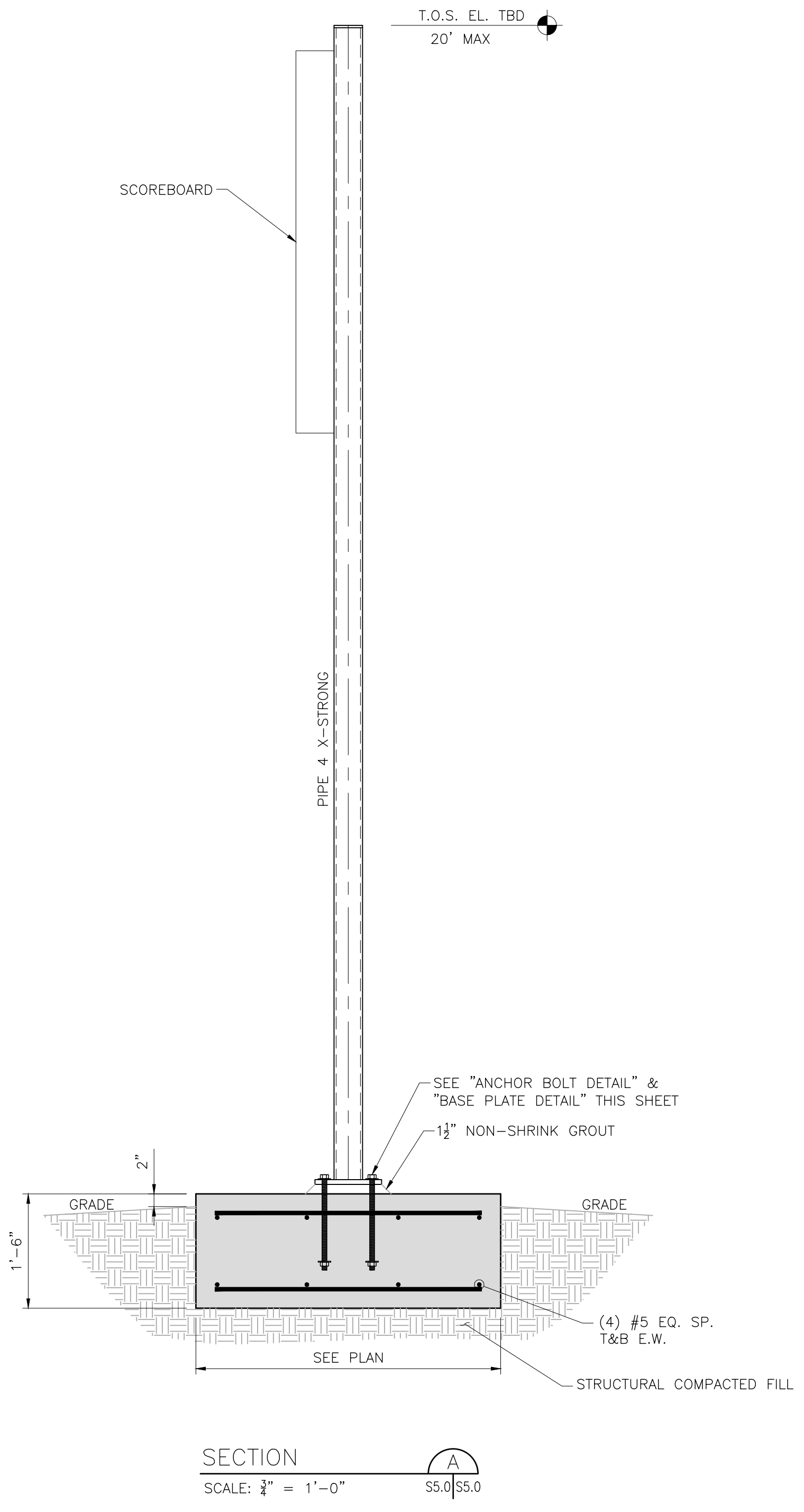
WALL SECTIONS  
 SITE IMPROVEMENTS FOR  
 SOUTHPORT SPORTS COMPLEX  
 SOUTHPORT, FL

REV.	DR.	CHK.	DATE	DESCRIPTION
0	WS	WS	7/11/2022	ISSUED FOR PERMIT

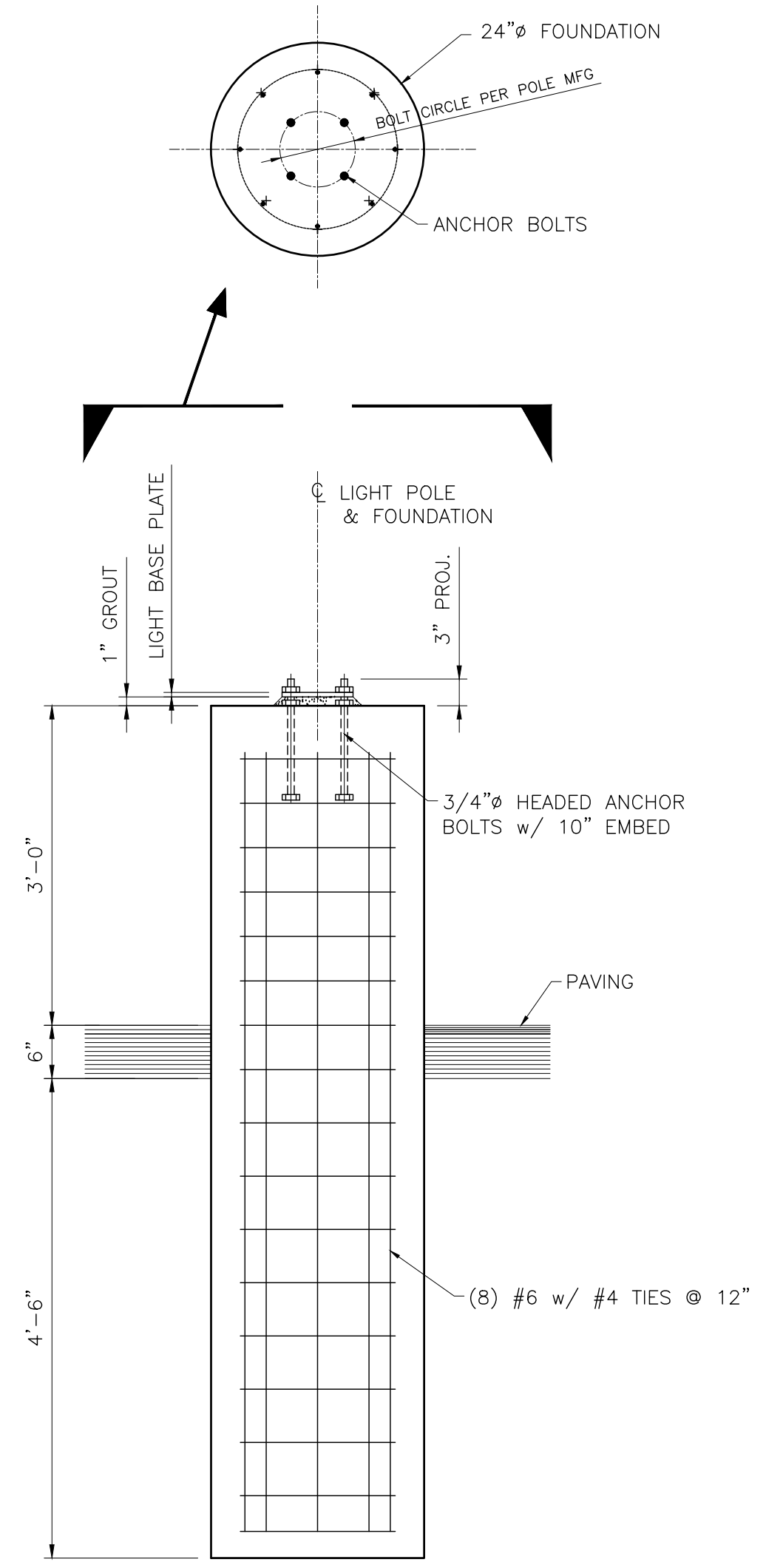




TYPICAL SCOREBOARD FOUNDATION PLAN  
SCALE: 3/4" = 1'-0"

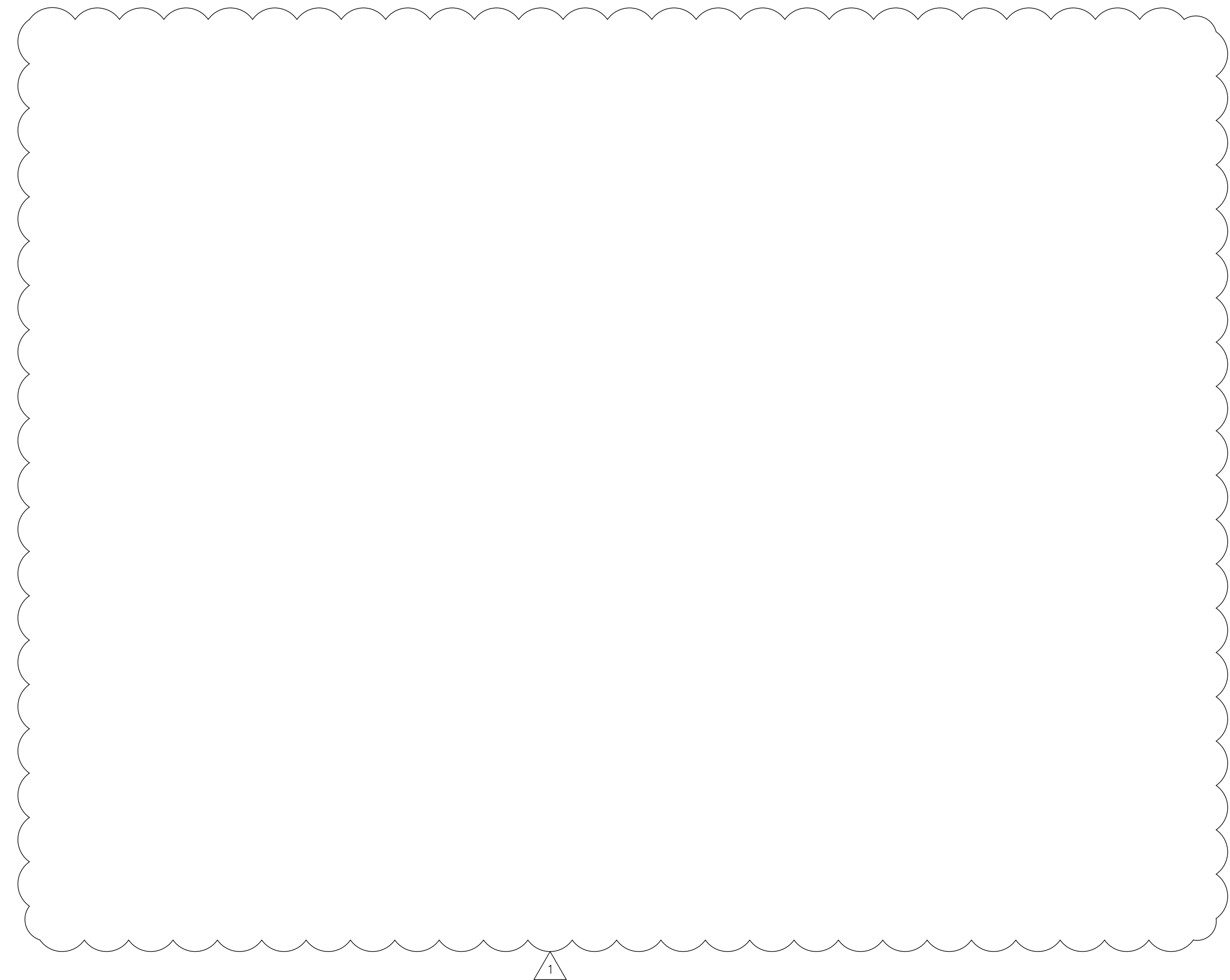


SECTION  
SCALE: 3/4" = 1'-0"

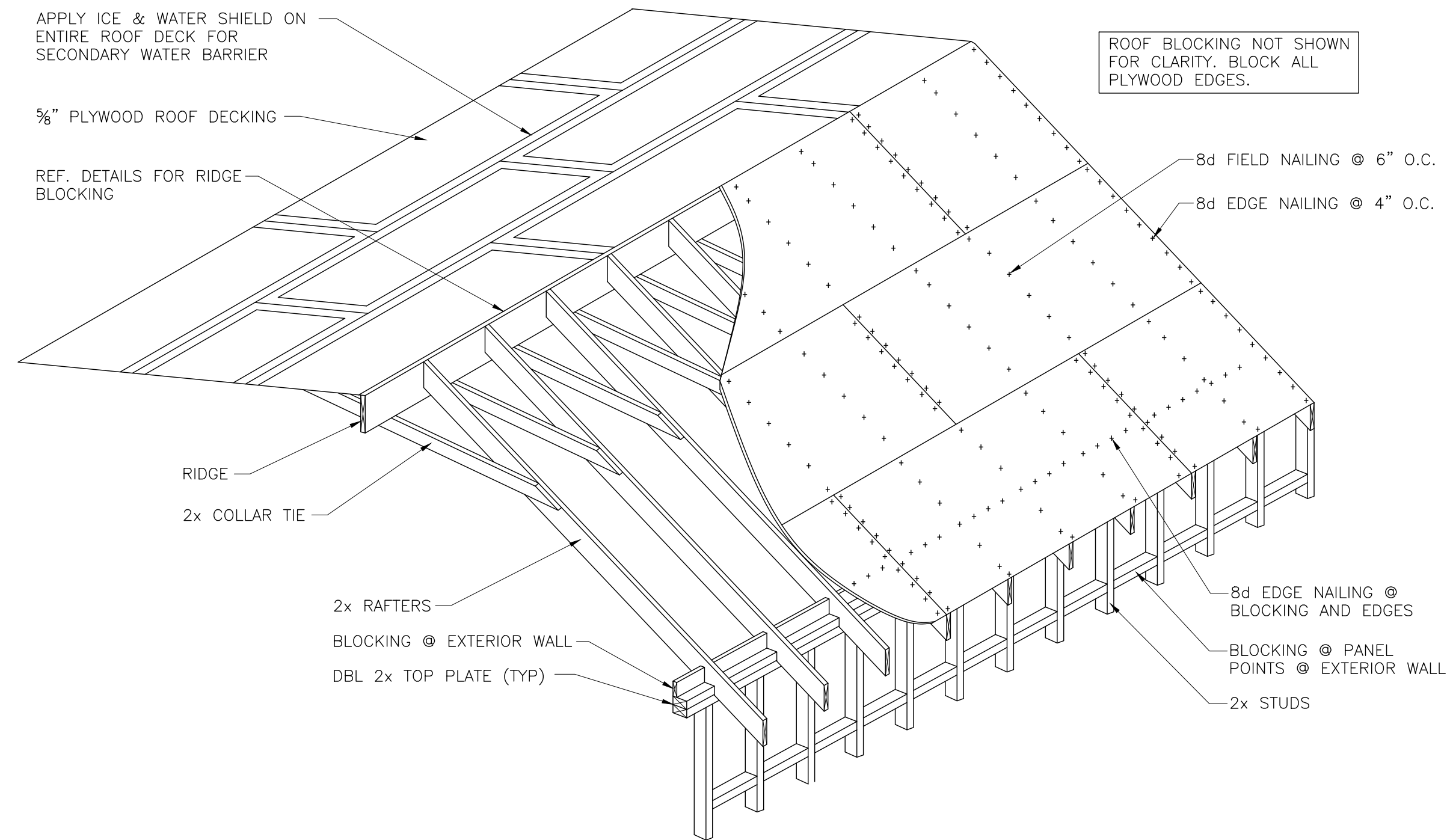


LIGHT POLE FOUNDATION  
SCALE: 3/4" = 1'-0"

REV.	OR.	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT



1

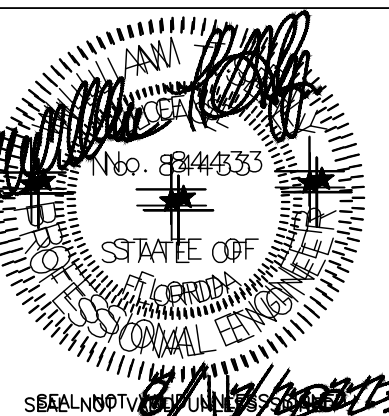
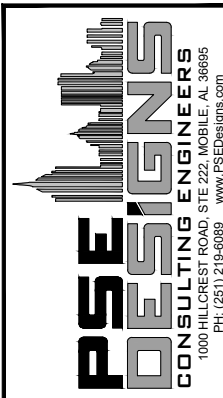


TYPICAL ROOF DIAPHRAGM DETAIL

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



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MISC. DETAILS  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

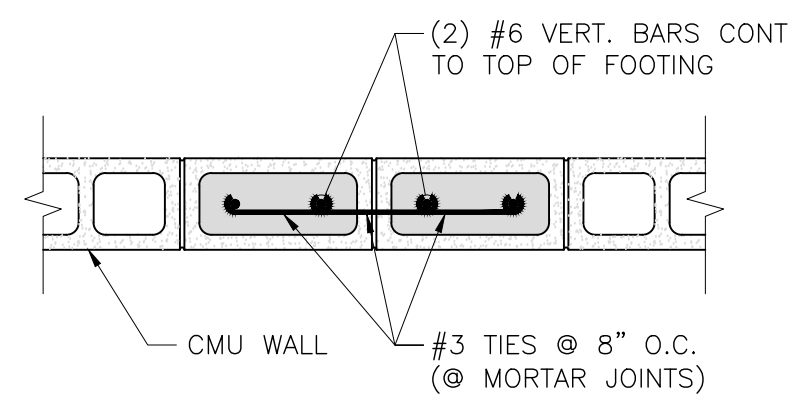
REV.	DR.	CHK.	DATE	DESCRIPTION
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S5.1

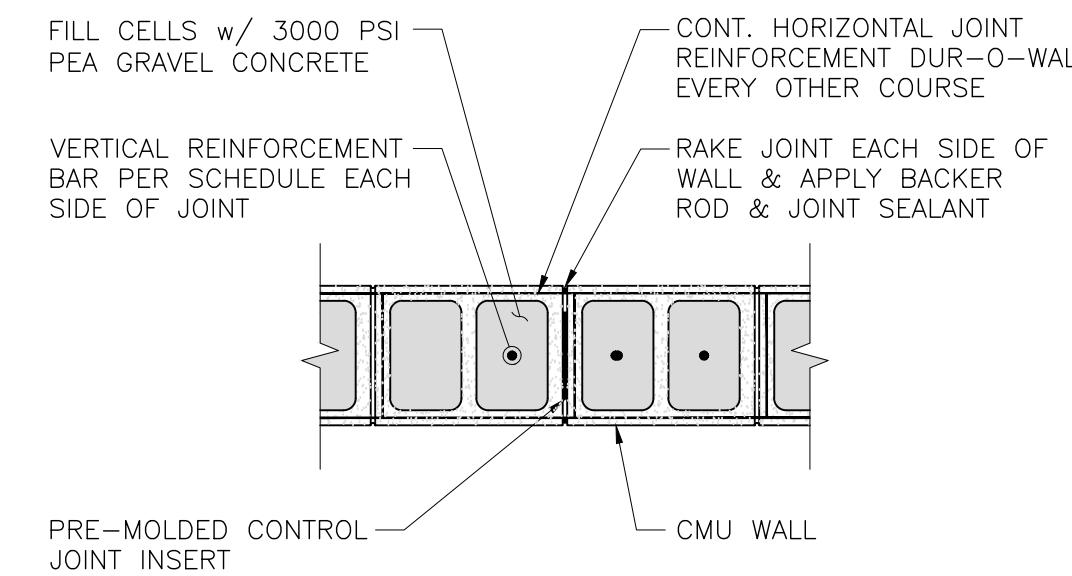
37237-01

REINFORCEMENT SCHEDULE FOR CMU WALLS  
(TYPICAL FOR ALL CMU WALLS, UNLESS INDICATED OR SHOWN OTHERWISE)

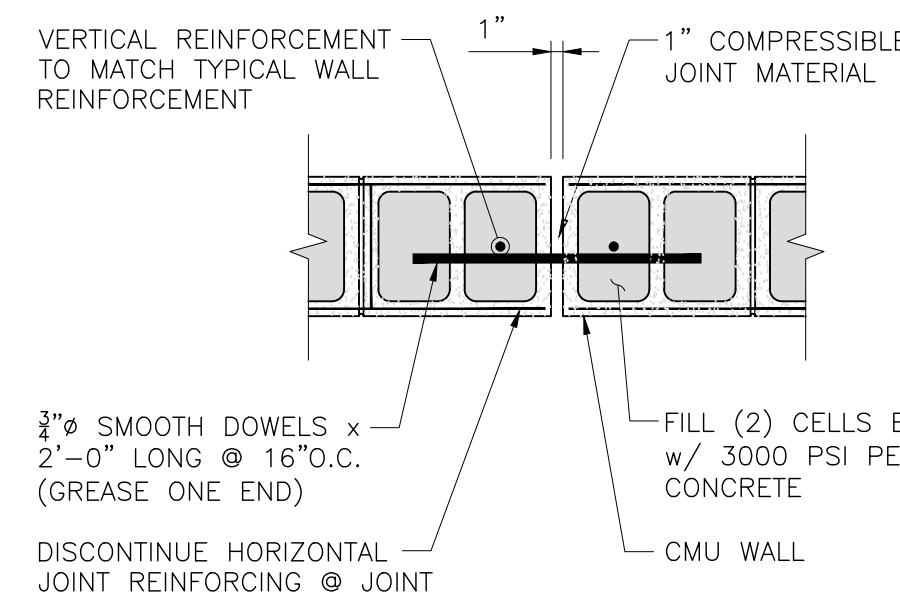
- EXTERIOR BEARING WALLS:
  - PROVIDE (2) #6 VERTICAL BARS FULL HEIGHT OF WALL AT ENDS OF WALLS. PROVIDE #3 HORIZONTAL TIES BETWEEN VERTICAL BARS AT 16" O.C.
  - PROVIDE 16" TIE COLUMN AT ALL CORNERS AND INTERSECTIONS OF WALLS WITH (4) #6 VERTICAL BARS FULL HEIGHT OF WALL. PROVIDE #3 HORIZONTAL TIES BETWEEN VERTICAL BARS SPACED AT 16" O.C.
- PROVIDE REINFORCING BAR POSITIONERS TO PLACE VERTICAL REINFORCEMENT BARS IN THE CENTER OF ALL CMU WALLS UNLESS INDICATED OR SHOWN OTHERWISE ON THE DRAWINGS.
- PROVIDE LADDER TYPE, 9 GA. (W1.7) SIDE AND CROSS RODS, CONTINUOUS GALVANIZED HORIZONTAL JOINT REINFORCEMENT SPACED AT 16" O.C. FOR FULL HEIGHT OF ALL WALLS. PLACE FIRST RUN OF HORIZONTAL REINFORCEMENT ON TOP OF FIRST COURSE OF CMU ABOVE TOP OF FOUNDATIONS. PROVIDE CONTINUITY OF HORIZONTAL REINFORCEMENT AT CORNERS AND WALL INTERSECTIONS BY USING PREFABRICATED "L" AND "T" SECTIONS.
- GROUT ALL REINFORCEMENT SOLID IN CMU WITH GROUT MIX AS DEFINED IN THE GENERAL STRUCTURAL NOTES ON SHEET S0.0.
- 16" AND DEEPER BOND BEAMS AND LINTELS MAY BE CONSTRUCTED WITH STANDARD 12" LINTEL BLOCKS FOR THE BOTTOM COURSE AND 12" OPEN END COURSES FOR COURSES ABOVE THE LINTEL COURSE.
- MAKE ALL HORIZONTAL BARS IN BOND BEAMS CONTINUOUS AROUND CORNERS BY THE USE OF CORNER BARS FOR EACH BAR IN BOND BEAMS. CORNER BARS TO LAP MINIMUM OF 48 BAR DIAMETERS WITH BOND BEAM BARS.
- SEE THE CMU LINTEL SCHEDULE ON THIS SHEET FOR CMU LINTEL SIZES AND REINFORCEMENT FOR WALL OPENINGS.
- LAP SPLICES FOR ALL REINFORCEMENT IN CMU WALLS SHALL BE A MINIMUM OF 48 BAR DIAMETERS.
- PROVIDE VERTICAL DOWELS FOR ALL CMU WALL VERTICAL REINFORCING BARS TO FOUNDATIONS. DOWELS BARS TO MATCH SIZE OF CMU WALL VERTICAL BARS AND TO BE LAPPED A MINIMUM OF 48 BAR DIAMETERS.
- SEE DRAWINGS AND STRUCTURAL GENERAL NOTES FOR OTHER CMU WALL REINFORCEMENT REQUIREMENTS.



TYPICAL 8"x32" CMU PILASTER DETAIL (BELOW BEAMS)  
SCALE: 3/4" = 1'-0"



TYPICAL CMU CONTROL JOINT DETAIL  
SCALE: 3/4" = 1'-0"

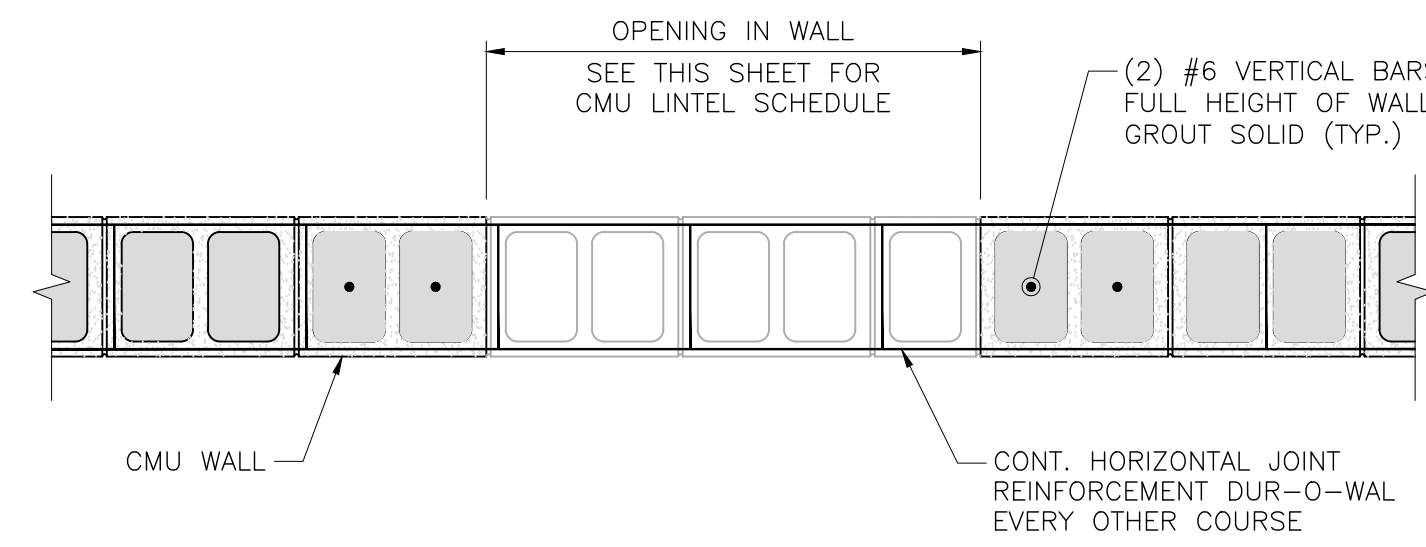


TYPICAL CMU EXPANSION JOINT DETAIL  
SCALE: 3/4" = 1'-0"

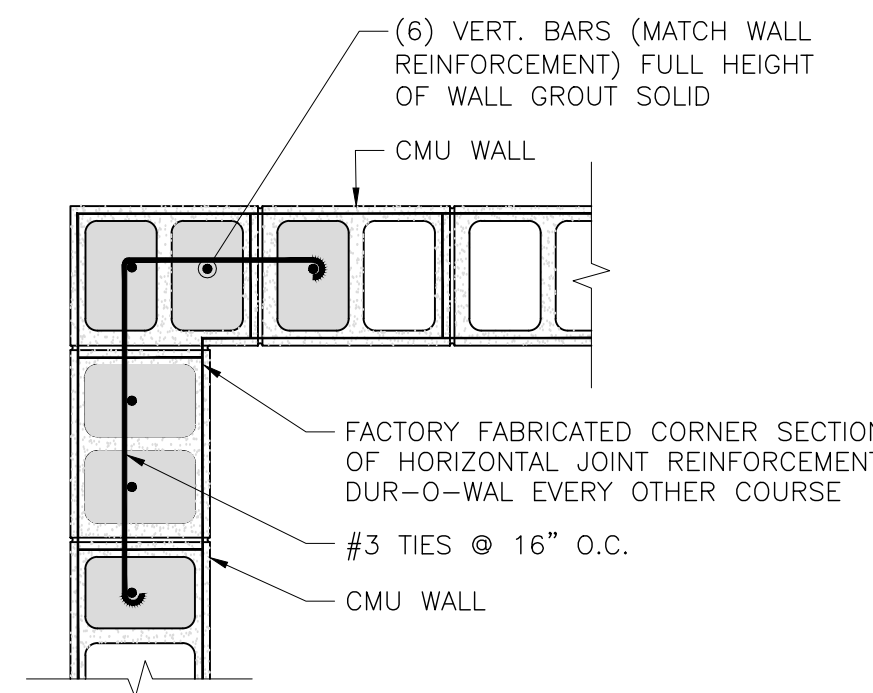
**NOTE:**

CMU WALL CONTROL JOINTS TO BE LOCATED AT SAME LOCATIONS AS EXTERIOR VENEER CONTROL JOINTS AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

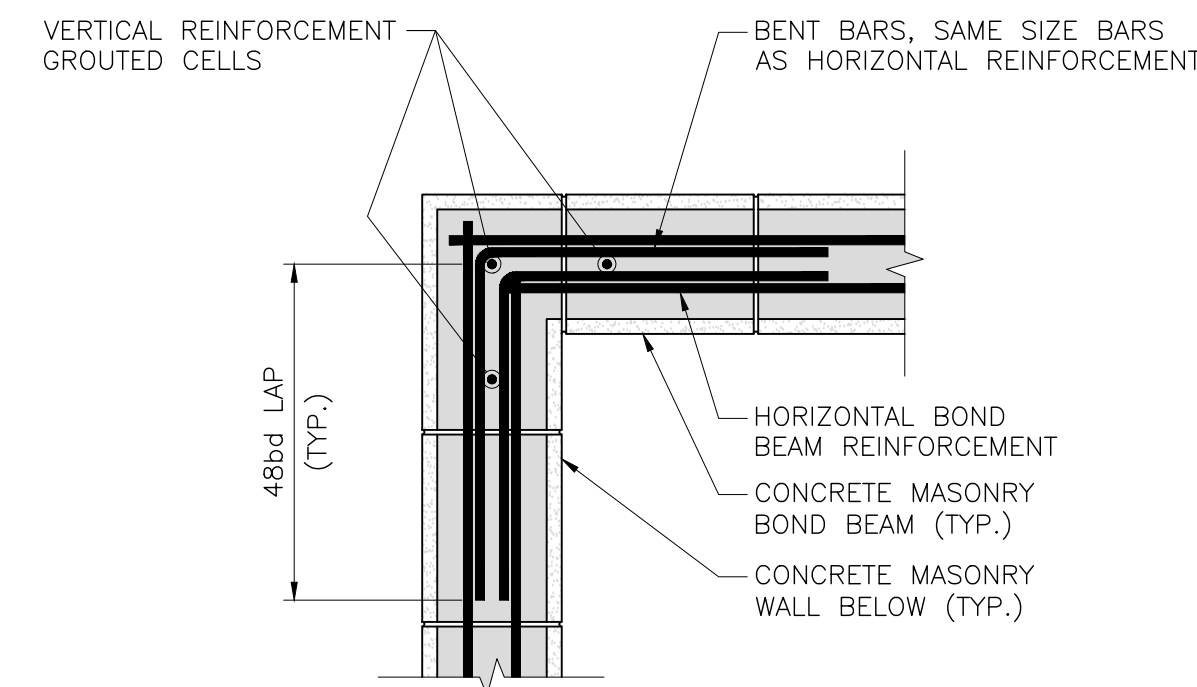
CMU WALL CONTROL JOINTS ARE NOT TO EXCEED 50', TYP. U.N.O. THE JOINTS SHALL BE LOCATED A MIN. OF 24" FROM DOOR OR WINDOW OPENINGS TO MISS LINTELS. THE HORIZONTAL JOINT REINFORCING SHALL BE TERMINATED 2" FROM EACH SIDE OF JOINT. ALL BOND BEAM REINFORCING SHALL CONTINUE THROUGH THIS JOINT.



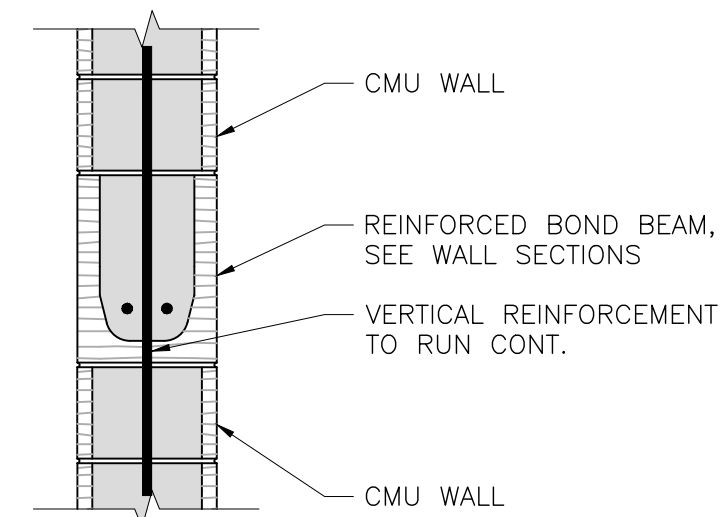
TYPICAL CMU OPENING DETAIL  
SCALE: 3/4" = 1'-0"



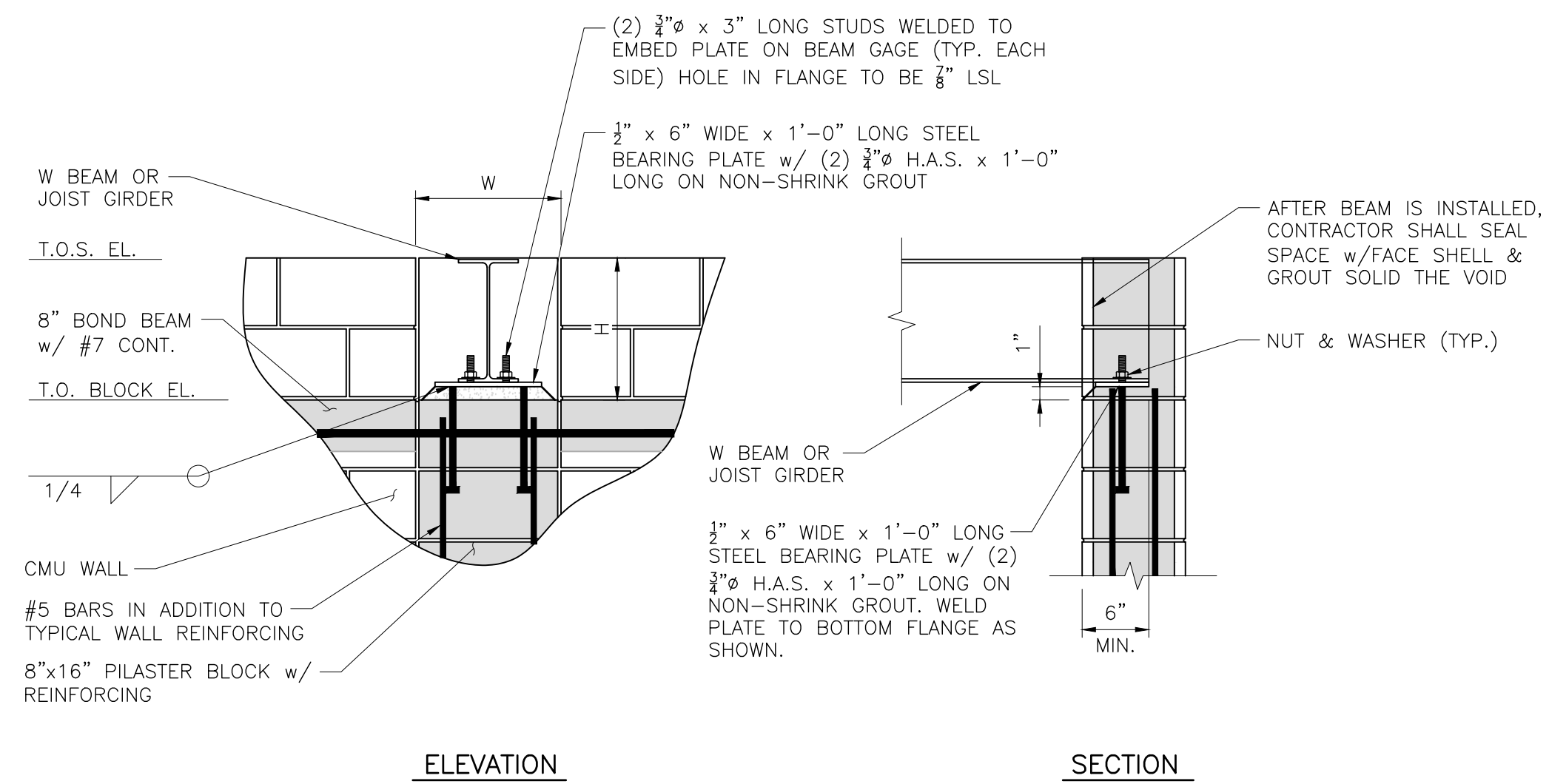
TYPICAL CMU CORNER DETAIL  
SCALE: 3/4" = 1'-0"



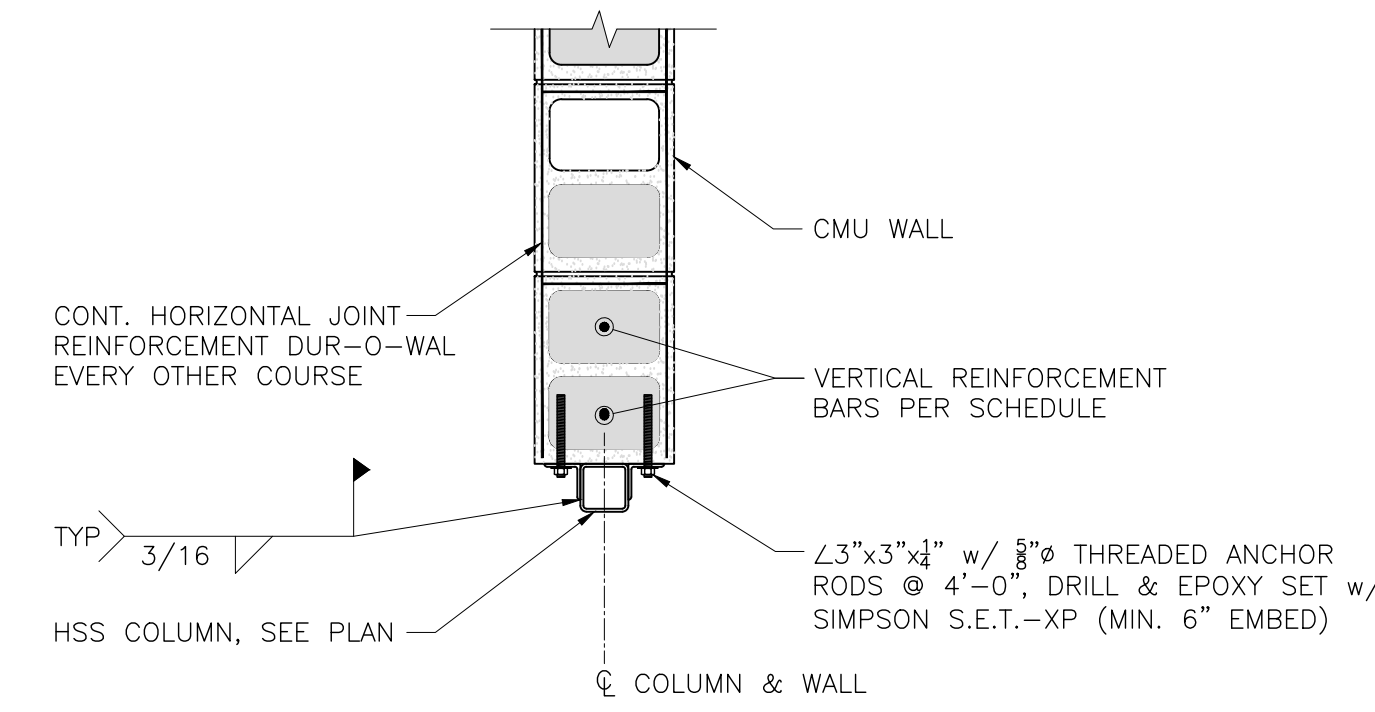
PLAN SHOWING BOND BEAM REINFORCEMENT @ WALL CORNER  
SCALE: 3/4" = 1'-0"



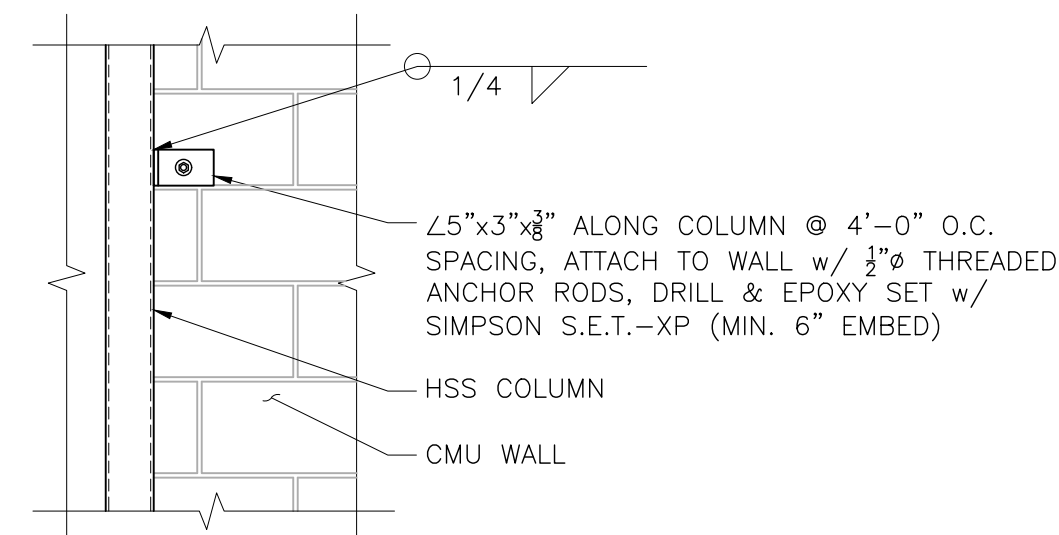
TYPICAL BOND BEAM DETAIL @ EL. (SEE WALL SECTIONS)  
SCALE: 3/4" = 1'-0"



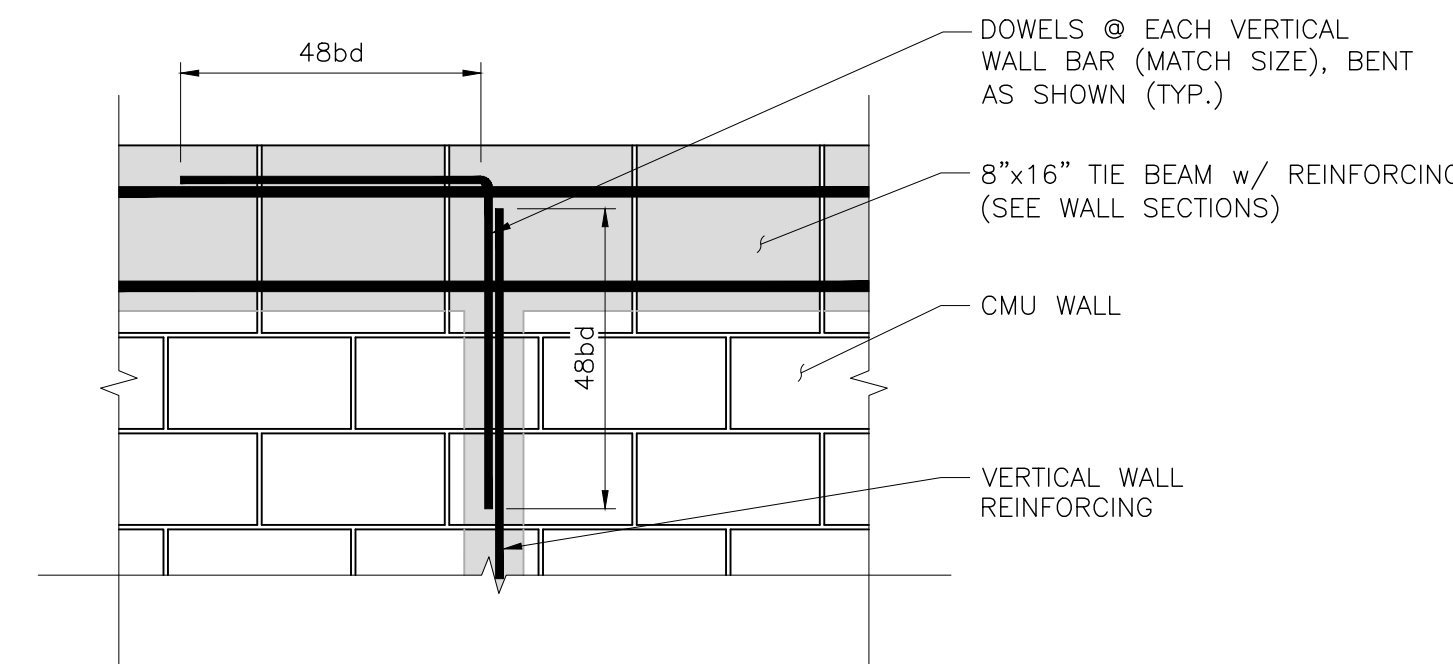
TYPICAL BEAM POCKET DETAIL (W BEAM)  
SCALE: 3/4" = 1'-0"



TYPICAL COLUMN TO END OF CMU WALL CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



TYPICAL HSS COLUMN TO CMU WALL CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



TOP OF FILLED CELL DETAIL  
SCALE: 3/4" = 1'-0"

REV.	OR	CHK.	DATE	DESCRIPTION
0		WS	7/11/2022	ISSUED FOR PERMIT





SPLIT SYSTEM HEAT PUMP SCHEDULE																				
MARK	EVAPORATOR SECTION						CONDENSER SECTION				ARI COOLING DATA		ARI HEATING DATA		AUXILIARY ELECTRIC HEATER		EQUAL TO MANUFACTURER HEATPUMP/AIR HANDLER MODEL			
	CFM	CFM OF OUTSIDE AIR	EXT. STATIC PRESSURE (IN. WATER)	FAN MOTOR HP	ELECTRICAL V/ø/Hz	FILTER TYPE	COMPRESSOR DATA		CONDENSER FAN		STEPS OF CAPACITY	ELECTRICAL V/ø/Hz	MINIMUM CAPACITY BTU/HR	MINIMUM EER	MINIMUM HIGH TEMPERATURE RATING (BTU/HR)	COP (HSPF)			NUMBER OF STEPS	TOTAL KW @ 480V
							QUANTITY	R. L. AMPS	QUANTITY	F. L. AMPS										
AH-1/HP-1	2175	OAE-1	.70	1.5	480/3/60	THROW AWAY	2	5.8	1	1.6	100%-50%-0%	480/3/60	78,000	11.2	64,000	3.3	1	14.96	TRANE TWA07244B/TWE07244D	

**NOTES:**  
1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR AIR HANDLER AND AUXILIARY HEATER.  
2. PROVIDE FLOAT SWITCH IN DRAIN PAN TO DISABLE UNIT IF PAN FILLS WITH WATER.  
3. PROVIDE FOR EACH HEAT PUMP A LOCKOUT THERMOSTAT THAT SHALL PREVENT OPERATION OF THE AUXILIARY HEAT STRIPS (WHERE PROVIDED) WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE A PRESELECTED TEMPERATURE.  
4. PROVIDE ALL ANCILLARY EQUIPMENT AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.

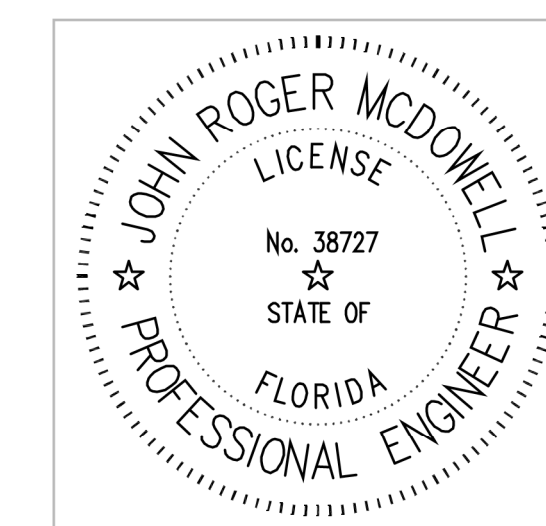
100% OUTSIDE-AIR AIR CONDITIONERS															
MARK	AIR FLOW				HEAT REJECTION			COOLING DATA			ELECTRICAL		ELECTRIC HEATER		MANUFACTURER CONDENSER/EVAPORATOR MODEL
	CFM OF OUTSIDE AIR	EXT. STATIC PRESSURE (IN. WATER)	FAN MOTOR HP	FILTER TYPE	COMPRESSOR DATA		CONDENSER FAN		TOTAL CAPACITY BTU/HR (SEE NOTE 1)	LATENT CAPACITY BTU/HR (SEE NOTE 1)	MINIMUM EER	V/ø/Hz	NUMBER OF STEPS	KW PER STEP	
					QUANTITY	R. L. AMPS	QUANTITY	HORSEPOWER							
OAC-1/OAE-1	1000	.3	1.0	2" 30% PLEATED	1	11.2	1	2.7	75,208	38,565	11.2	480/3/60	--	--	ADDISON MCOA72/MAOA/72

**NOTES:**  
1. RATINGS ARE BASED ON 95°F D.B. AND 80°F W.B. AIR CONDITIONS ENTERING EVAPORATOR AND CONDENSER.  
2. AMBIENT LOCKOUT THERMOSTAT SHALL ALLOW COMPRESSOR OPERATION DOWN TO AN AMBIENT TEMPERATURE OF 58° F.  
3. PROVIDE HOT GAS REHEAT COILS. CONTROL THE HOT GAS REHEAT TO MAINTAIN THE AIR TEMPERATURE LEAVING THE OUTSIDE AIR UNIT AT 65°F.  
4. PROVIDE INDEPENDENT REFRIGERANT CIRCUITS ON 9TONS AND HIGHER.  
5. PROVIDE DIRECT DRIVE ODP PLENUM FAN OR ECM DRIVEN MOTORIZED IMPELLER.  
6. PROVIDE A DIGITAL SCROLL COMPRESSOR IN LEAD AND LAG CIRCUIT.  
7. PROVIDE 2" FOAM INJECTED DOUBLE WALL CONSTRUCTION W/ HINGED ACCESS DOORS WITH AN R-VALUE OF 13 WHICH HAS A TRUE THERMAL BREAK.  
8. PROVIDE MODULATING HEAD PRESSURE CONTROL TO 35°F AMBIENT.  
9. PROVIDE VOLTAGE MONITOR ON THE UNIT TO PROTECT COMPRESSOR AND ELECTRICAL SYSTEMS  
10. PROVIDE SWITCHABLE LIQUID SUBCOOLING IN BOTH REFRIGERANT CIRCUITS TO ENHANCE THE DEHUMIDIFICATION CYCLE.  
11. PROVIDE MODULATING HOT GAS REHEAT IN THE LEAD CIRCUIT AS A SECONDARY TRIM SOURCE OF REHEAT  
12. PROVIDE LEAVING AIR DEWPOINT OF 54.2°F AT THE SPECIFIED CONDITIONS

FAN SCHEDULE										
MARK	TYPE	DRIVE	CFM	STATIC PRESSURE (INCHES OF WATER)	POWER	RPM	VOLTS/PH.	SONES	MODEL NO.	NOTES
EF-1	CEILING MOUNTED EXHAUST	DIRECT	70	.25	27 WATTS	1000	120v/1ø	1.0	GREENHECK SP-A90	1,2,8
EF-2	ROOF MOUNTED EXHAUST	DIRECT	500	.40	1/12 HP	1300	120v/1ø	6.5	GREENHECK MODEL G-095	1,2,5,9
EF-3	UPBLAST ROOF EXHAUSTER	DIRECT	1350	.46			480v/3ø			3,4,5,7,9
EF-4	SIDEWALL PROPELLER EXHAUST	BELT	12,600	.15	1.0 HP	518	208v/3ø	16	GREENHECK SB-2L36-10	1,10,11
SF-1	MAKE-UP AIR FAN	DIRECT	1080	.40			208v/3ø			4,5,6,7

**NOTES:**  
1. PROVIDE BACKDRAFT DAMPER.  
2. PROVIDE SOLID STATE SPEED CONTROLLER.  
3. INTERLOCK WITH SF-1 TO ACTIVATE SF-1 UPON ACTIVATION OF FAN.  
4. EQUIPMENT SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.  
5. PROVIDE ROOF CURB BY MANUFACTURER.  
6. MAKE-UP AIR HAS REFRIGERATION SYSTEM TO TEMPER THE SUPPLY AIR. TRAP CONDENSATE LINE, ROUTE TO ROOF GUTTER  
7. PROVIDE NECESSARY HARDWARE TO INTERLOCK FANS WITH UNDER HOOD EQUIPMENT. UPON ACTIVATION OF ANY UNDER HOOD EQUIPMENT FAN SHALL BE COMMANDED ON.  
8. SWITCH WITH LIGHTS.  
9. INTERLOCK WITH OAU-1.  
10. INTERLOCK WITH MOTORIZED DAMPERS.  
11. PROVIDE SWITCH FOR EACH FAN LOCATE IN WAREHOUSE AS INSTRUCTED BY OWNER.

**John R McDowell**  
Digitally signed by John R McDowell  
Date: 2023.08.29 16:30:49 -05'00'



CONCESSION STAND HVAC EQUIPMENT SCHEDULES  
SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DATE	BY	CHK.	DESCRIPTION
	8/29/23			CONSTRUCTION DRAWINGS

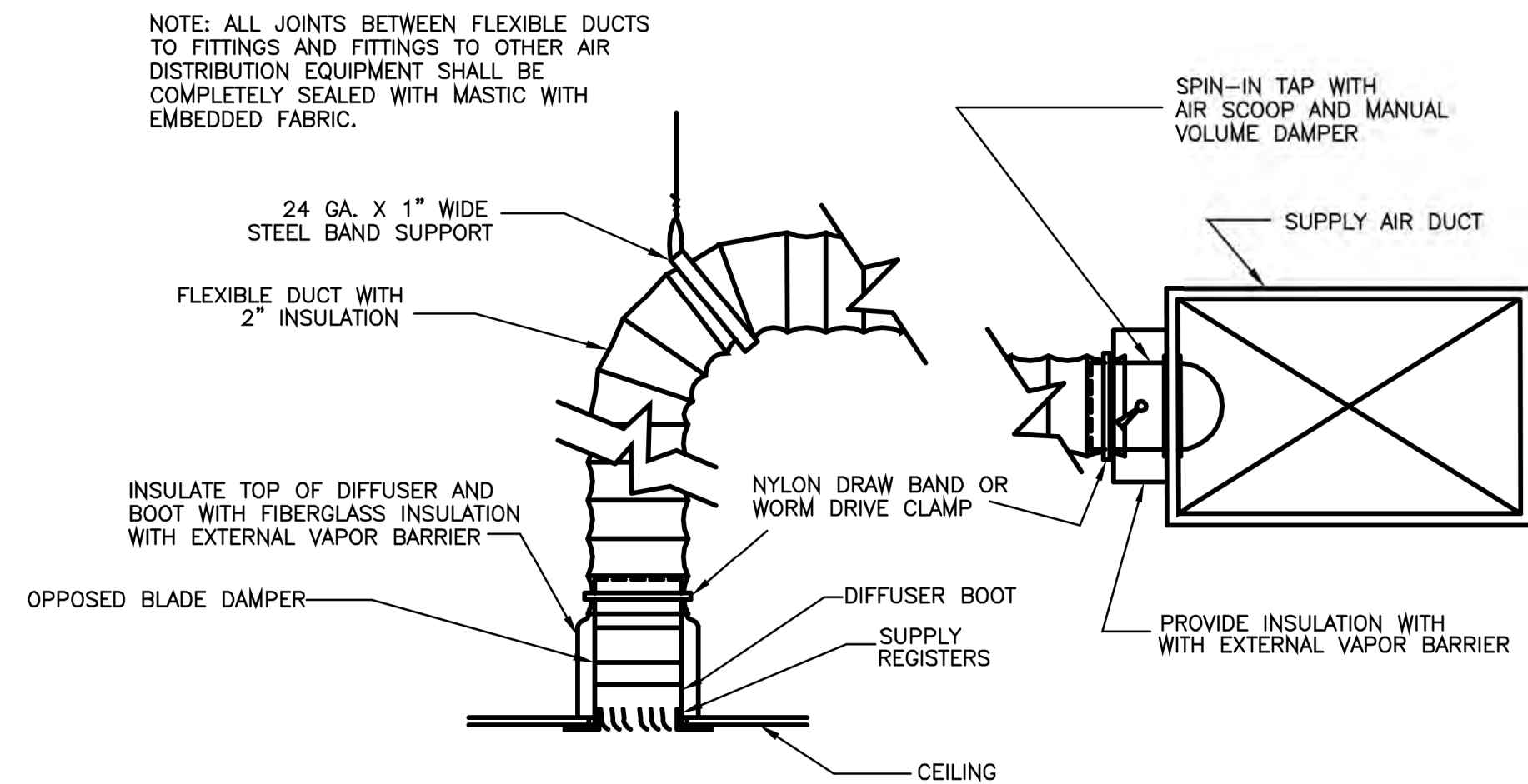
**M2.0**  
37237-01

**GENERAL MECHANICAL NOTES**

1. ALL HVAC WORK SHALL CONFORM WITH THE 2020 FLORIDA MECHANICAL CODE.
2. DUCTING SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL CONFORMING WITH ASTM-A653, COATING DESIGNATION G90. CONSTRUCTION, METAL GAUGE, HANGERS, AND SUPPORTS, AND REINFORCEMENTS SHALL CONFORM WITH SMACNA HVAC DUCT CONSTRUCTION STANDARD. COAT ALL DUCT SEAMS WITH MASTIC BEFORE APPLICATION OF INSULATION.
3. PROVIDE EXTERNAL MINERAL FIBER FLEXIBLE BLANKET INSULATION WITH A MAXIMUM THERMAL CONDUCTIVITY OF .31 BTU-IN/HR-SQ FT FOR DUCTING, 2" THICK FOR ALL DUCT, INCLUDING EXHAUST AND OUTSIDE AIR DUCTS. PROVIDE AN ALL PURPOSE JACKET WITH INTEGRAL VAPOR BARRIER AROUND INSULATED DUCTWORK. INSULATION SHALL MEET THE REQUIREMENTS OF NFPA 90A AND NFPA90B. VAPOR SEAL ALL JOINTS WITH OPEN WEAVE GLASS MEMBRANE COATED WITH VAPOR BARRIER COATING COMPOUND.
4. CEILING DIFFUSERS SHALL BE EQUAL TO TITUS MODEL TDC-AA SURFACE MOUNT TYPE FOR HARD CEILING. SUPPLY REGISTERS SHALL BE EQUAL TO TITUS MODEL 250-AA, SURFACE MOUNT TYPE. TRANSFER GRILLES, EXHAUST REGISTERS AND RETURN GRILLES SHALL BE EQUAL TO TITUS MODEL 50F, 1/2" X 1/2" EGG CRATE PATTERN. PROVIDE OPPOSED BLADE DAMPER WITH SCREWDRIVER FOR ALL REGISTERS. ADJUSTMENT ACCESSIBLE THROUGH FACE FOR ALL REGISTERS AND DIFFUSERS. SELECT EQUIPMENT TO OPERATE WITH A SOUND PRESSURE LEVEL OF NC 30 OR LESS.
5. TEST AND BALANCE AIR SYSTEMS TO ACHIEVE COMPLIANCE WITH DRAWINGS. TEST AND BALANCE IN ACCORDANCE WITH SMACNA "HVAC SYSTEMS - TESTING, ADJUSTING AND BALANCING." TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDANT THIRD PARTY CERTIFIED TEST AND BALANCE CONTRACTOR. QUALIFICATIONS SHALL BE SUBMITTED BEFORE THE PERFORMANCE OF WORK. TEST AND BALANCE CONTRACTOR SHALL BE A SUBCONTRACTOR TO THE GENERAL CONTRACTOR. TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
6. PROVIDE DISPOSABLE FILTERS FOR AIR HANDLER UNITS.
7. PROVIDE PIPE SLEEVES FOR ALL PIPING PENETRATING WALLS. PIPE SLEEVES SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE, PROVIDE A MINIMUM OF .25" CLEARANCE BETWEEN INSIDE DIAMETER OF SLEEVE AND OUTSIDE SURFACE OF PENETRATING PIPING. FIRMLY PACK WITH FIRE PROOF INSULATION AND CAULK WITH PLASTIC WATERPROOF CEMENT.
8. PROVIDE ACCESS DOORS IN DUCTWORK AT ALL DAMPERS.
9. PROVIDE MOTOR STARTERS THAT CONFORM TO NEMA ICS-1, NEMA ICS-2 AND UL 508.
10. AT THE CLOSE OF THE JOB, TWO BOUND COPIES OF EQUIPMENT WARRANTIES, CONTRACTOR'S WARRANTY, PARTS LIST AND MANUALS FOR ALL EQUIPMENT, BALANCE AND TEST READINGS, OPERATING INSTRUCTIONS (IN WRITING) AND WRITTEN INSTRUCTIONS ON MAINTENANCE AND CARE OF THE SYSTEM SHALL BE SUBMITTED TO THE OWNER.
11. ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A WAY THAT ALL COMPONENTS REQUIRING ACCESS ARE SO LOCATED AND INSTALLED THAT THEY MAY BE SERVICED BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT. IF ANY EQUIPMENT OR COMPONENTS ARE SHOWN IN SUCH A POSITION THAT THIS CONTRACTOR CANNOT COMPLY WITH THE ABOVE, THE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR AND ATTEMPT TO RESOLVE THE PROBLEM OF ACCESS. IF THIS CONSULTATION IS NOT SUCCESSFUL, THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING AND A DECISION REQUESTED.
12. INSTALL VIBRATION ISOLATORS, FLEXIBLE CONNECTORS, EXPANSION JOINTS, AND OTHER SAFETY MEASURES TO PREVENT NOISE AND VIBRATION FROM BEING TRANSMITTED TO OCCUPIED AREAS. EQUIPMENT SHALL BE SELECTED TO OPERATE WITHIN THE NOISE LEVEL RECOMMENDED FOR THE PARTICULAR TYPE INSTALLATION IN RELATION TO ITS LOCATION. FOLLOWING INSTALLATION, MAKE PROPER ADJUSTMENTS TO ELIMINATE EXCESSIVE NOISE AND VIBRATION.
13. FLEXIBLE DUCT CONNECTING MAIN DUCTS TO REGISTERS SHALL BE UL 181, CLASS I UL LISTED, INTERLOCKING SPIRAL TYPE WITH STEEL WIRE HELIX PERMANENTLY BONDED TO A SMOOTH INNER LINING, WITH INSULATION HAVING A MAXIMUM THERMAL CONDUCTANCE OF .125 BTU/HR-DEG F-SQ FT (2" THICK) AND SHEATHED WITH A VAPOR BARRIER. FLEXIBLE DUCT SIZE SHALL BE AS INDICATED.
14. PROVIDE SINGLE THICKNESS TURNING VANES IN RECTANGULAR ELBOWS AND TEES.
15. INSULATE KITCHEN EXHAUST DUCTWORK WITH INSULATION MINIMUM THICKNESS OF 2 INCHES, BLOCKS1 OR BOARDS, EITHER MINERAL FIBER CONFORMING TO ASTM C 612, CLASS 5, 20 PCF AVERAGE OR CALCIUM SILICATE CONFORMING TO ASTM C 533, TYPE II OR 3M FIREWRAP APPROVED FOR KITCHEN HOOD EXHAUST DUCTING.
16. ROOF JACKS SHALL BE CONSTRUCTED OF ALUMINUM SUITABLE FOR INTENDED USE AND SHALL HAVE INTEGRAL BIRD SCREEN. ANCHOR CAPS TO RESIST THE WIND PRESSURE DETERMINED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

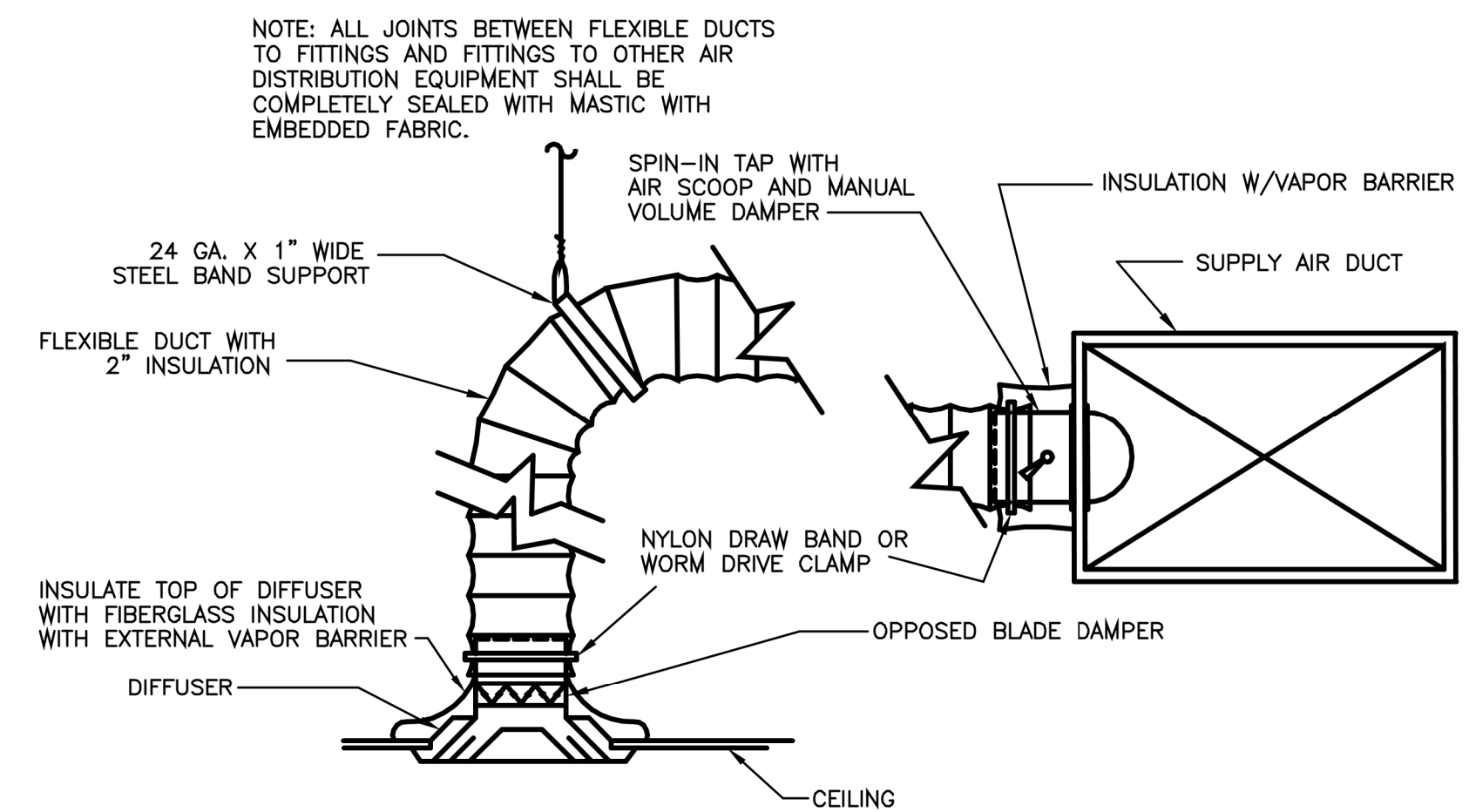
**SEQUENCE OF OPERATION**

1. THERMOSTATS SHALL BE SET TO OPERATE AS FOLLOWS: DURING OCCUPIED TIMES AIR HANDLERS AH-1 AND OAE-1 SHALL BE SET TO RUN CONTINUOUSLY. IN THE COOLING MODE THE HEAT PUMP COMPRESSORS SHALL BE CYCLED AS REQUIRED TO SATISFY TEMPERATURE. UPON SATISFYING THE TEMPERATURE, THE COMPRESSOR SHALL BE COMMANDED TO CONTINUE TO OPERATE IF THE HUMIDITY IN THE SPACE IS ABOVE THE HUMIDITY SETPOINT. CONTINUOUS OPERATION OF THE COMPRESSORS SHALL OCCUR IF THE HUMIDITY IS NOT SATISFIED UNTIL A TEMPERATURE OF 3°F BELOW THE TEMPERATURE SET POINT IS REACHED AT WHICH TIME THE COMPRESSORS SHALL BE COMMANDED OFF OR UPON SATISFACTION OF THE SPACE HUMIDITY THE COMPRESSORS SHALL BE CYCLED OFF. IN THE UNOCCUPIED PERIODS ALL AIR HANDLERS SHALL CYCLE WITH THE COMPRESSORS. SETBACK TEMPERATURES AND HUMIDITIES IN THE UNOCCUPIED TIMES SHALL BE MAINTAINED IN ACCORDANCE WITH ABOVE.
2. PROVIDE ALL OF THE ELECTRICAL EQUIPMENT INCLUDING MICROPROCESSORS AS NECESSARY TO PERFORM THE FOLLOWING SEQUENCE: IN THE OCCUPIED MODE THE OUTSIDE AIR UNIT FAN SHALL BE ACTIVATED TO OPERATE CONTINUOUSLY. THE MOTORIZED DAMPER IN THE OUTSIDE AIR DUCT SHALL BE COMMANDED OPEN. THE OUTSIDE AIR UNIT SHALL CONDITION THE OUTSIDE AIR. THE CORRESPONDING HEATPUMP THERMOSTAT SHALL CYCLE THE COMPRESSOR OR ELECTRIC HEAT AS REQUIRED TO MAINTAIN THE OCCUPIED TEMPERATURE SETPOINT. IN THE UNOCCUPIED MODE THE OUTSIDE AIR UNIT SHALL BE DEACTIVATED AND THE OUTSIDE AIR MOTORIZED DAMPER COMMANDED CLOSED.



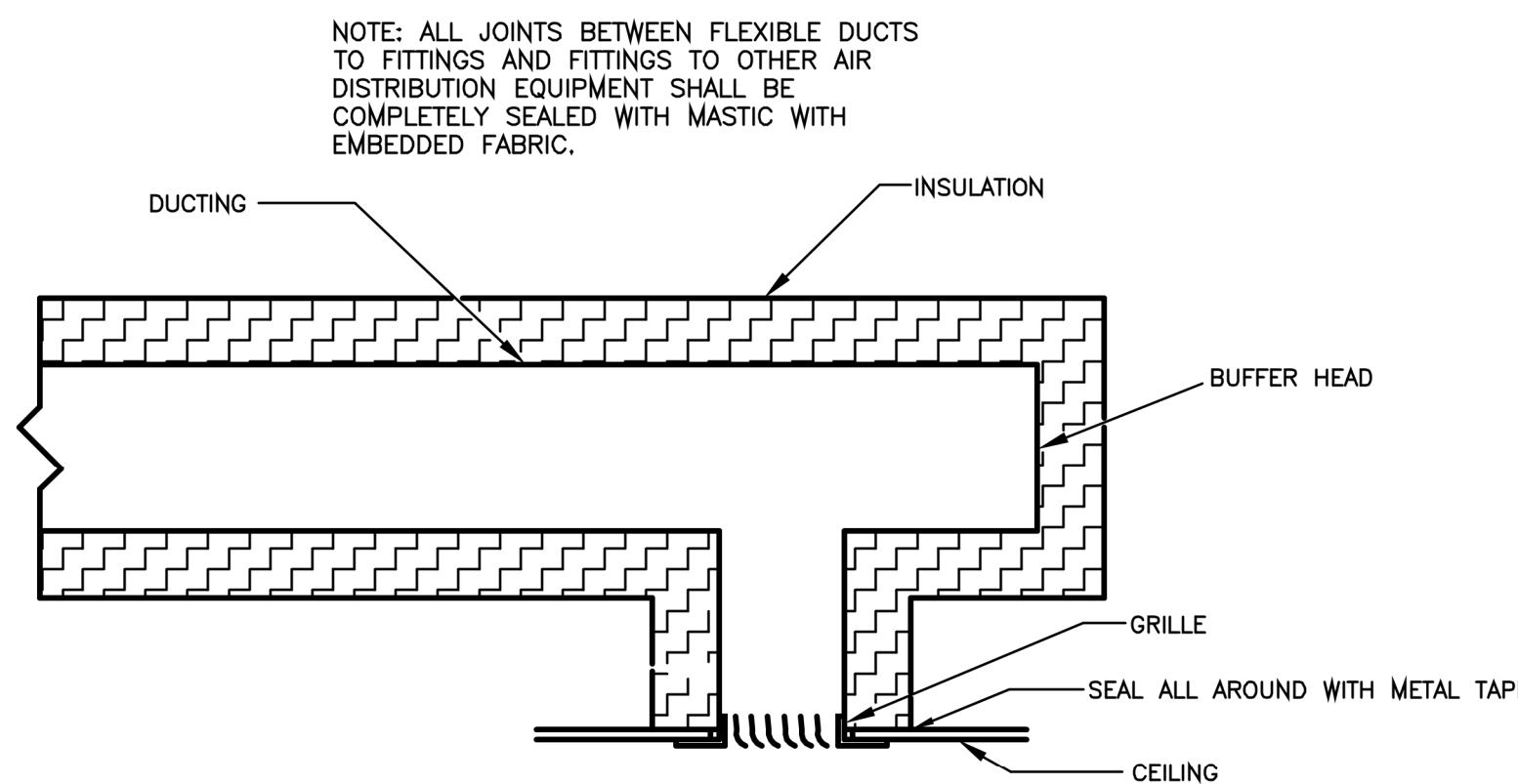
**SUPPLY REGISTER INSTALLATION DETAIL**

SCALE: NONE



**CEILING DIFFUSER INSTALLATION DETAIL**

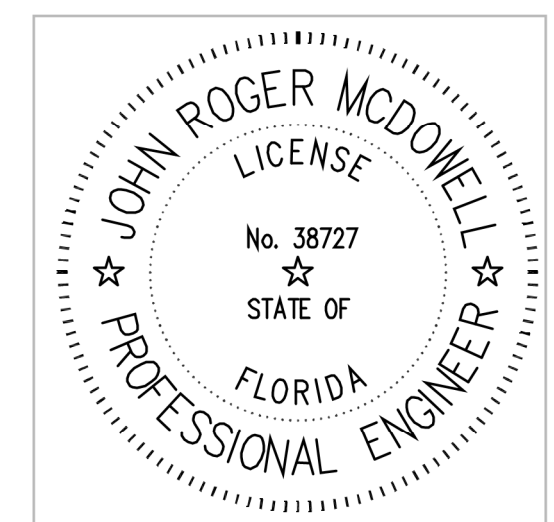
SCALE: NONE



**TYPICAL RETURN GRILLE INSTALLATION DETAIL**

SCALE: NONE

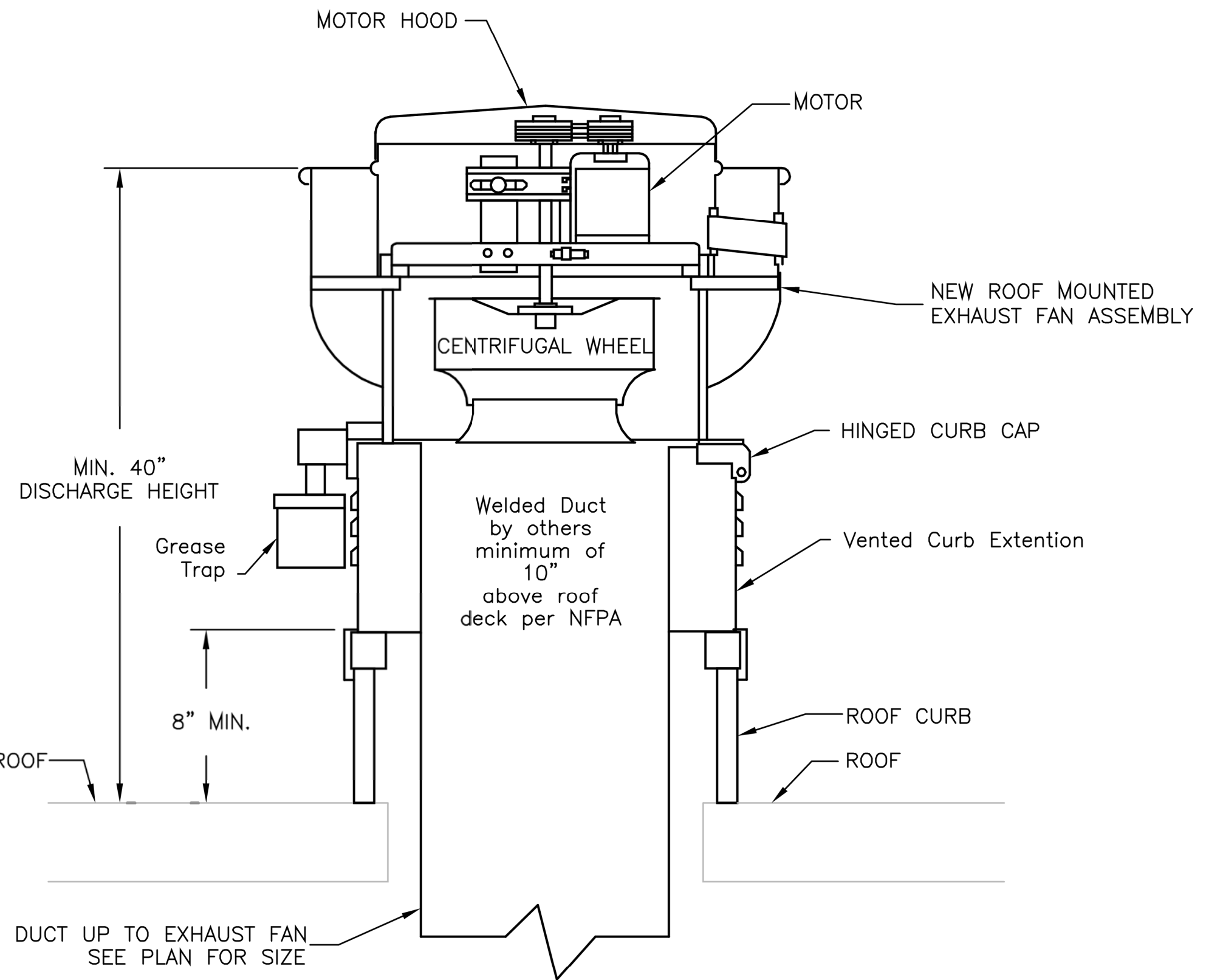
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**John R McDowell**  
Date: 2023.08.29 16:31:22 -05'00'



**CONCESSION STAND HVAC NOTES AND DETAILS**  
**SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX**  
SOUTHPORT, FL.

REV.	DATE	DESCRIPTION

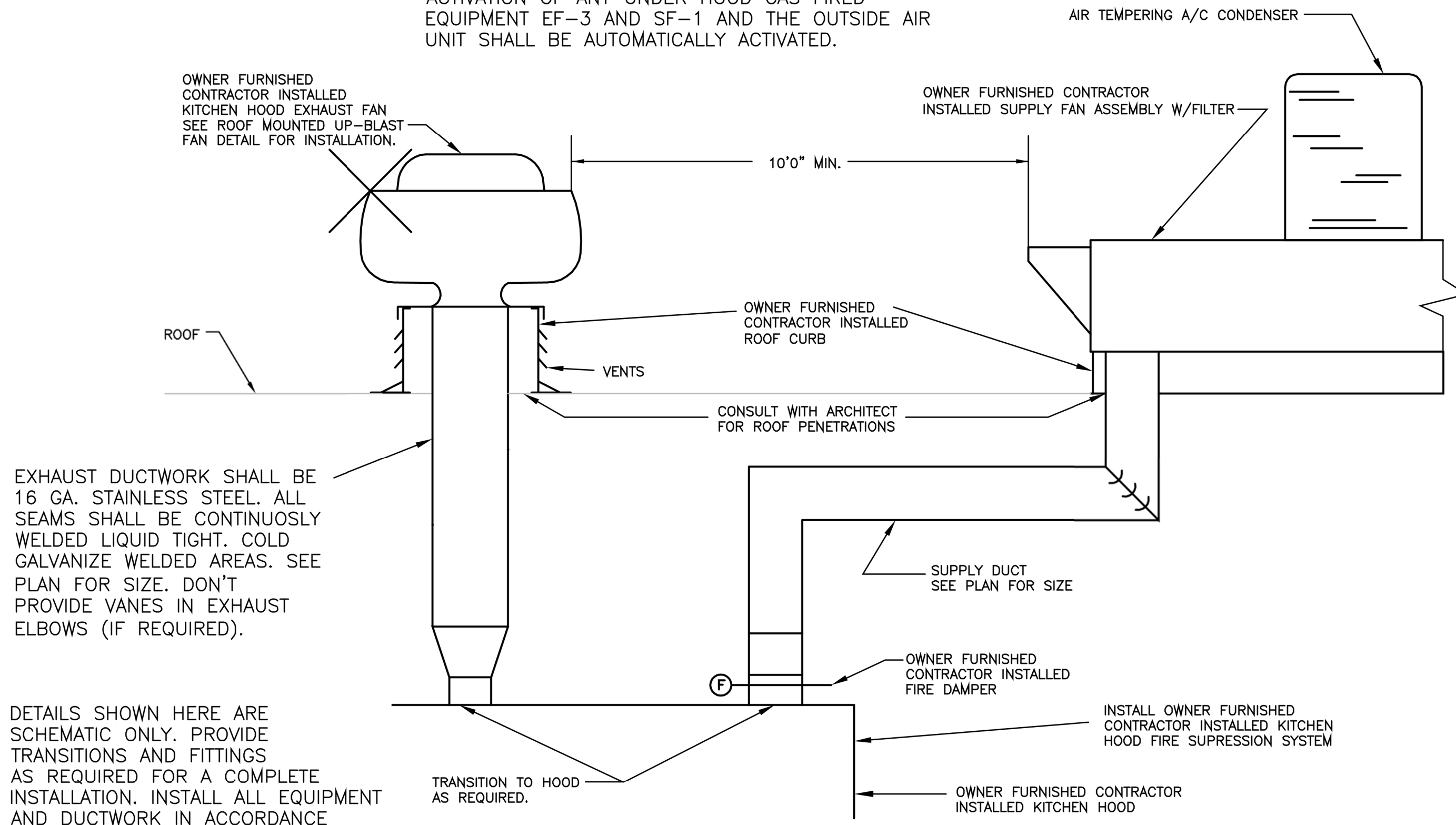
**M3.0**



**ROOF MOUNTED UP-BLAST FAN DETAIL**

**HOOD SEQUENCE OF OPERATION**

PROVIDE ALL ELECTRICAL RELAYS AND INTERLOCKS NECESSARY TO PERFORM THE FOLLOWING. UPON THE ACTIVATION OF ANY UNDER HOOD GAS FIRED EQUIPMENT EF-3 AND SF-1 AND THE OUTSIDE AIR UNIT SHALL BE AUTOMATICALLY ACTIVATED.



EXHAUST DUCTWORK SHALL BE 16 GA. STAINLESS STEEL. ALL SEAMS SHALL BE CONTINUOUSLY WELDED LIQUID TIGHT. COLD GALVANIZE WELDED AREAS. SEE PLAN FOR SIZE. DON'T PROVIDE VANES IN EXHAUST ELBOWS (IF REQUIRED).

DETAILS SHOWN HERE ARE SCHEMATIC ONLY. PROVIDE TRANSITIONS AND FITTINGS AS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL ALL EQUIPMENT AND DUCTWORK IN ACCORDANCE WITH NFPA 96, "REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT."

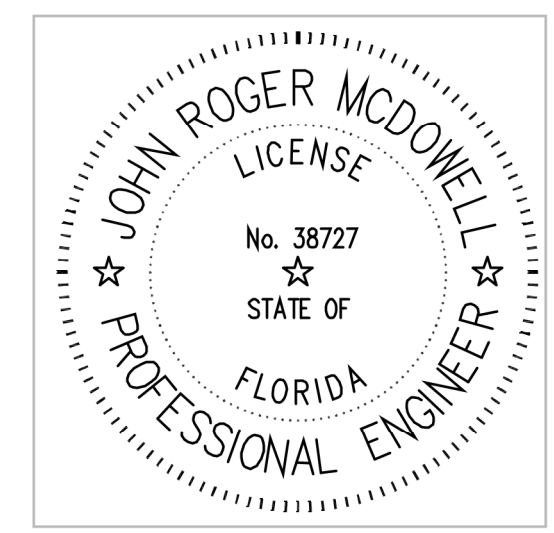
**KITCHEN EXHAUST HOOD FAN DETAILS**  
SCALE: NONE

**SPECIFICATIONS FOR ANSUL R-102 RESTAURANT FIRE SUPPRESSION SYSTEM**

**PART 1 - GENERAL**  
1.01 References  
A. Underwriters Laboratories, Inc. (UL)  
1. UL Standard 1254  
2. UL Standard 300  
B. Underwriters Laboratories of Canada (ULC)  
1. ULC/ORD-C 1254.6  
C. National Fire Protection Association (NFPA)  
1. NFPA 96  
2. NFPA 17A  
1.02 Submittals  
A. Submit two sets of manufacturer's data sheets  
B. Submit two sets of piping design drawings  
1.03 System Description  
A. The system shall be an automatic fire suppression system using a wet chemical agent for grease related fires.  
B. The system shall be capable of suppressing fires in the following areas associated with cooking equipment: ventilating equipment including hoods, ducts, plenums, and filters; fryers; griddles and range tops; upright, natural charcoal, or chain-type broilers; electric, lava rock, mesquite or gas-radiant char-broilers.  
C. The system shall be the pre-engineered type having minimum and maximum guidelines established by the manufacturer and listed by Underwriters Laboratories, Inc. (UL).  
D. The system shall be installed and serviced by personnel trained by the manufacturer.  
E. The system shall be capable of protecting cooking appliances by utilizing either dedicated appliance protection and/or overlapping appliance protection.  
1.04 Quality Control  
A. Manufacturer: The R-102 Restaurant Fire Suppression System shall be manufactured by a company with at least thirty years experience in the design and manufacture of pre-engineered fire suppression systems. The manufacturer shall be ISO 9001 registered.  
B. Certificates: The wet agent shall be a specially formulated, aqueous solution of organic salts with a pH range between 7.7 - 8.7, designed for flame knockdown and foam securement of grease-related fires.  
1.05 Warranty, Disclaimer, and Limitations  
A. The pre-engineered restaurant fire suppression system components shall be warranted for five years from date of delivery against defects in workmanship and material.  
1.06 Delivery  
A. Packaging: All system components shall be securely packaged to provide protection during shipment.  
1.07 Environmental Conditions  
A. The R-102 system shall be capable of operating in a temperature range of 32 F to 130 F (0 C to 54 C).  
**PART 2 - PRODUCT**  
2.01 Manufacturer  
A. Tyco Fire Suppression & Building Products, One Stanton Street, Marinette, Wisconsin 54143-2542, Telephone (715)735-7411.  
2.02 Components  
A. The basic system shall consist of an ANSUL AUTOMAN 7 regulated release assembly which includes a regulated release mechanism and a wet chemical storage tank housed within a single enclosure. Nozzles, blow-off caps, detectors, cartridges, agent, fusible links, and pulley elbows shall be supplied in separate packages in the quantities needed for fire suppression system arrangements. Additional equipment shall include remote manual pull station, mechanical and electrical gas valves, pressure switches, and electrical switches for automatic equipment and gas line shut-off.  
B. Wet Chemical Agent: The extinguishing agent shall be a specially formulated, aqueous solution of organic salts with a pH range between 7.8 - 8.2, designed for flame knockdown and foam securement of grease related fires.  
C. Agent Tank: The agent tank shall be installed in a stainless steel enclosure or wall bracket. The tank shall be constructed of stainless steel. Tanks shall be available in two sizes; 1.5 gallon (5.7 L) and 3.0 gallon (11.4 L). The tanks shall have a working pressure of 110 psi (7.6 bar), a test pressure of 330 psi (22.8 bar), and a minimum burst pressure of 600 psi (41.4 bar). The tank shall include an adaptor/tube assembly containing a burst disc union.  
D. Regulated Release Mechanism: The regulated release mechanism shall be a spring-loaded, mechanical/pneumatic type capable of providing the expellant gas supply to one or two agent tanks depending on the capacity of the gas cartridge used. It shall contain a factory installed regulator deadset at 110 psi (7.6 bar) with an external relief of approximately 180 psi (12.4 bar).  
E. It shall have the following actuation capabilities: automatic actuation by a fusible link detection system and remote manual actuation by a mechanical pull station.  
F. The regulated release mechanism shall contain a release assembly, regulator, expellant gas hose, and agent storage tank housed in a stainless steel enclosure with cover. The enclosure shall contain knock-outs for 1/2" in conduit. The cover shall contain an opening for a visual status indicator. It shall be compatible with mechanical gas shut-off devices; or, when equipped with a field or factory-installed switch, it shall be compatible with electric gas line or appliance shut-off devices.  
G. Regulated Actuator Assembly: When more than two agent tanks are required, the regulated actuator shall be available to provide expellant gas for additional tanks. It shall be connected to the cartridge receiver outlet of the regulated release mechanism providing simultaneous agent discharge. The regulator shall be deadset at 110 psi (7.6 bar) with an external relief of approximately 180 psi (12.4 bar). The regulated actuator assembly shall contain a regulated actuator, regulator, expellant gas hose, and agent tank housed in a stainless steel enclosure with cover. The enclosure shall contain knockouts to permit installation of the expellant gas line.  
H. Discharge Nozzles: Each discharge nozzle shall be tested and listed with the R-102 system for a specific application. Nozzles tips shall be stamped with the flow number designation (1/2, 1, and 3). Each nozzle shall have a metal or rubber blow-off cap to keep the nozzle tip orifice free of cooking grease build-up.  
I. Distribution Piping: Distribution piping shall be Schedule 40 black iron, chrome-plated, or stainless steel pipe conforming to ASTM A120, A53, or A106.  
J. Detectors: The detectors shall be the fusible link style designed to separate at a specific temperature.

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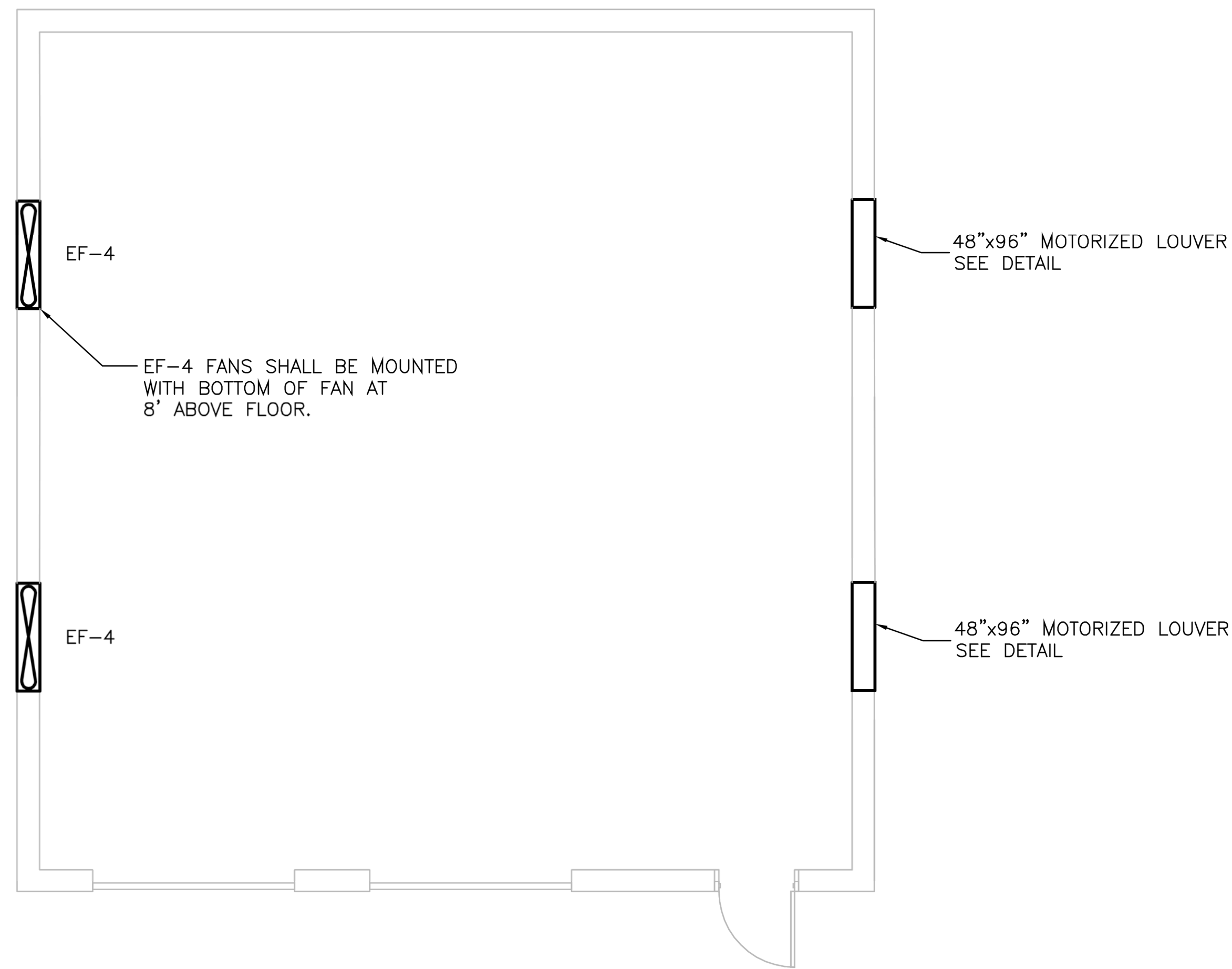
**MCDOWELL ENGINEERING, INC.**  
1608 BECK AVENUE  
PANAMA CITY, FLORIDA 32405  
PHONE: (850) 872-0988  
CA. LIC. NO. 9955



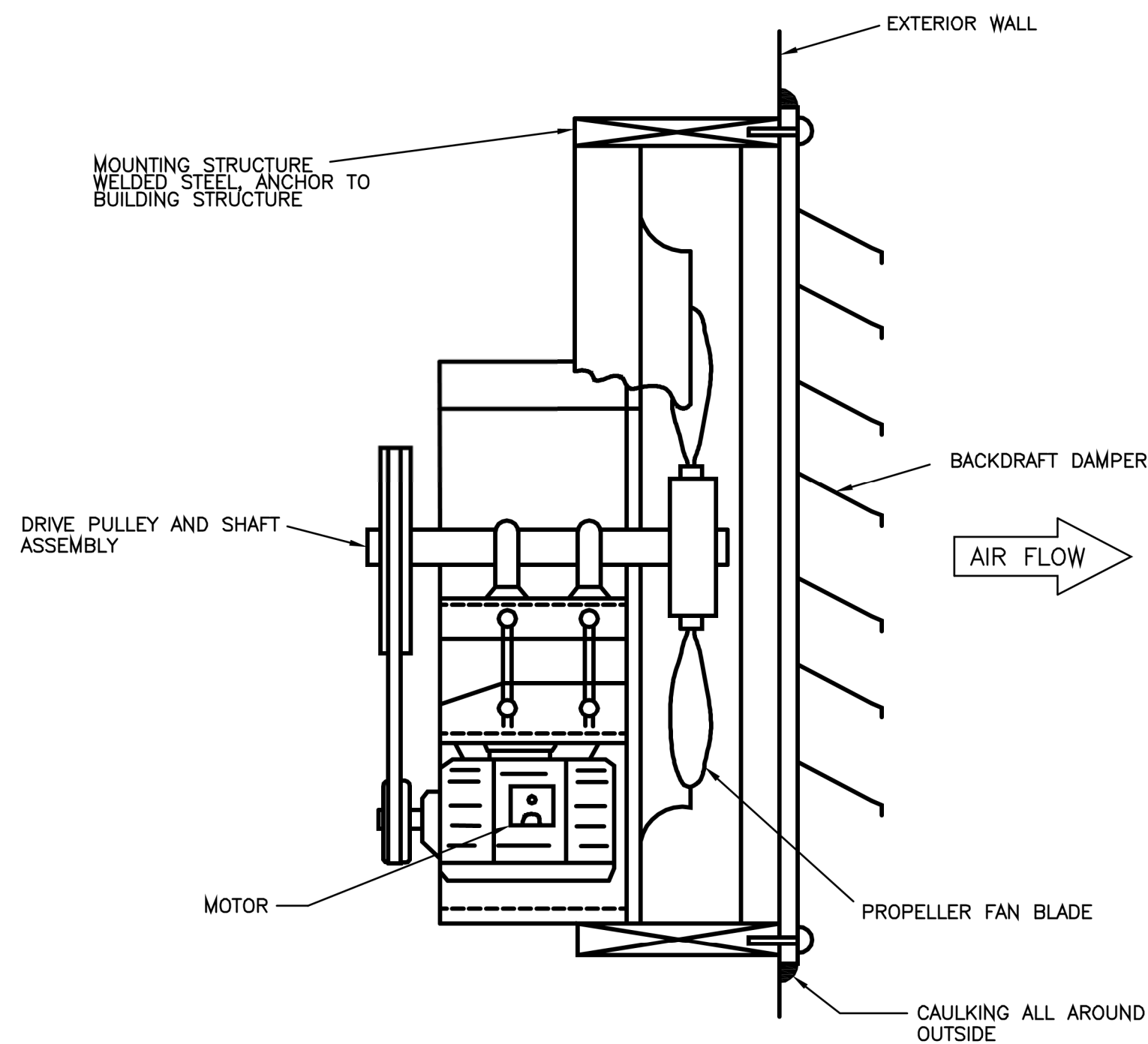
CONCESSION STAND HVAC HOOD DETAILS  
SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX SOUTHPORT, FL

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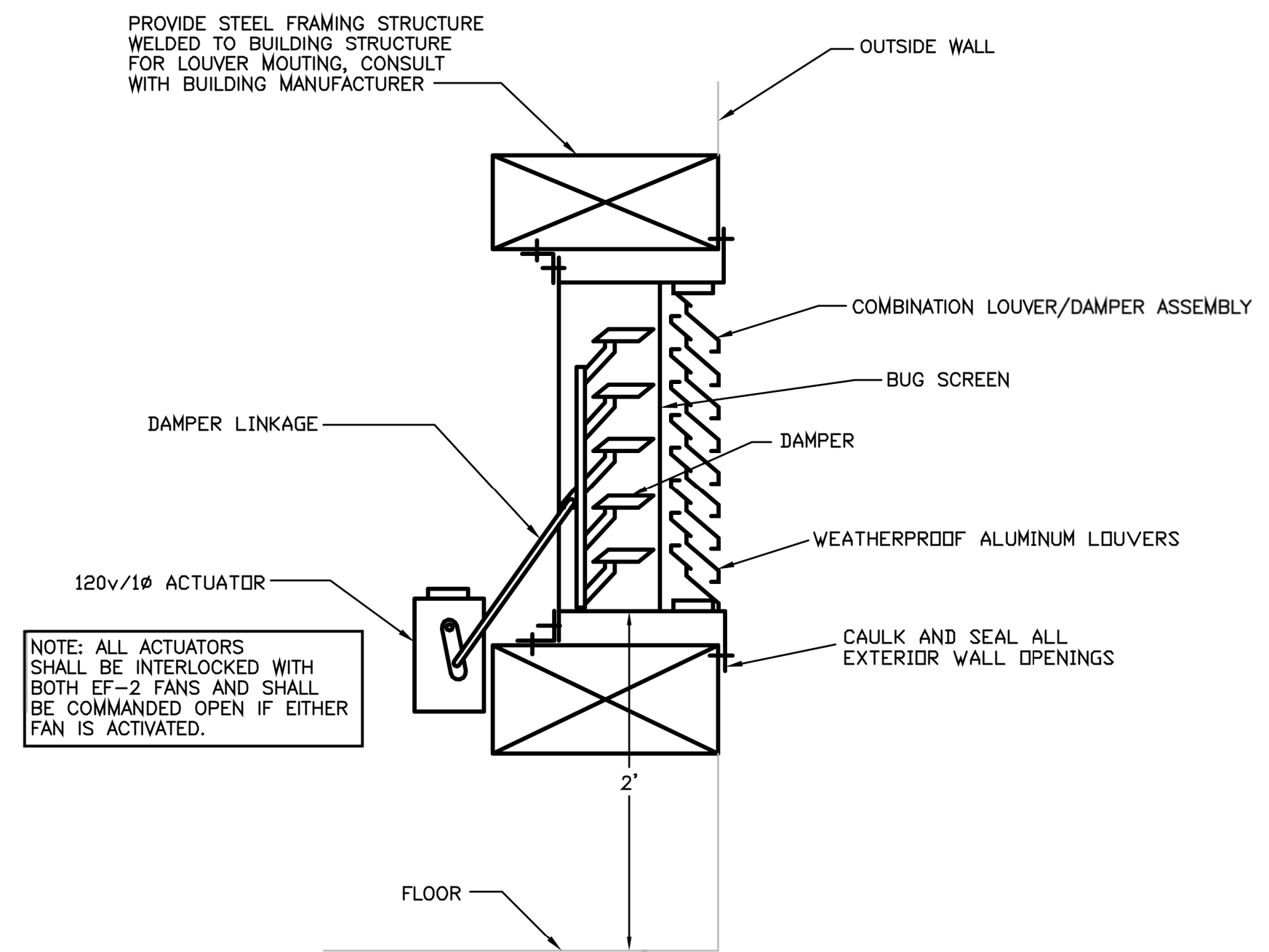
**M4.0**  
37237-01



**MAINTENANCE BLDG. MECHANICAL PLAN**  
SCALE: 1/4"=1'



**PROPELLER TYPE WALL FAN DETAIL**  
SCALE: NONE

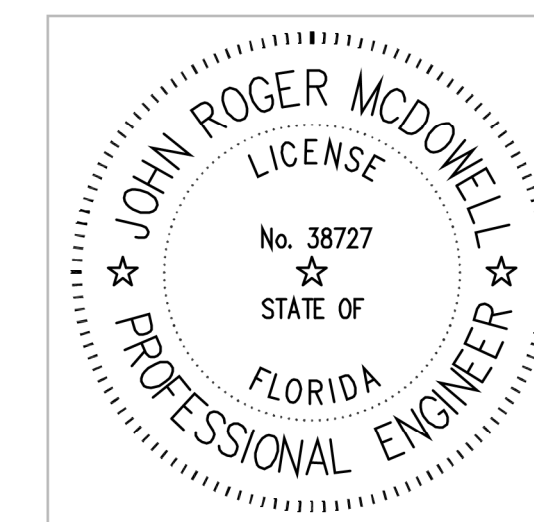


NOTE: ALL ACTUATORS SHALL BE INTERLOCKED WITH BOTH EF-2 FANS AND SHALL BE COMMANDED OPEN IF EITHER FAN IS ACTIVATED.

**MOTORIZED LOUVER DETAIL**  
SCALE: NONE

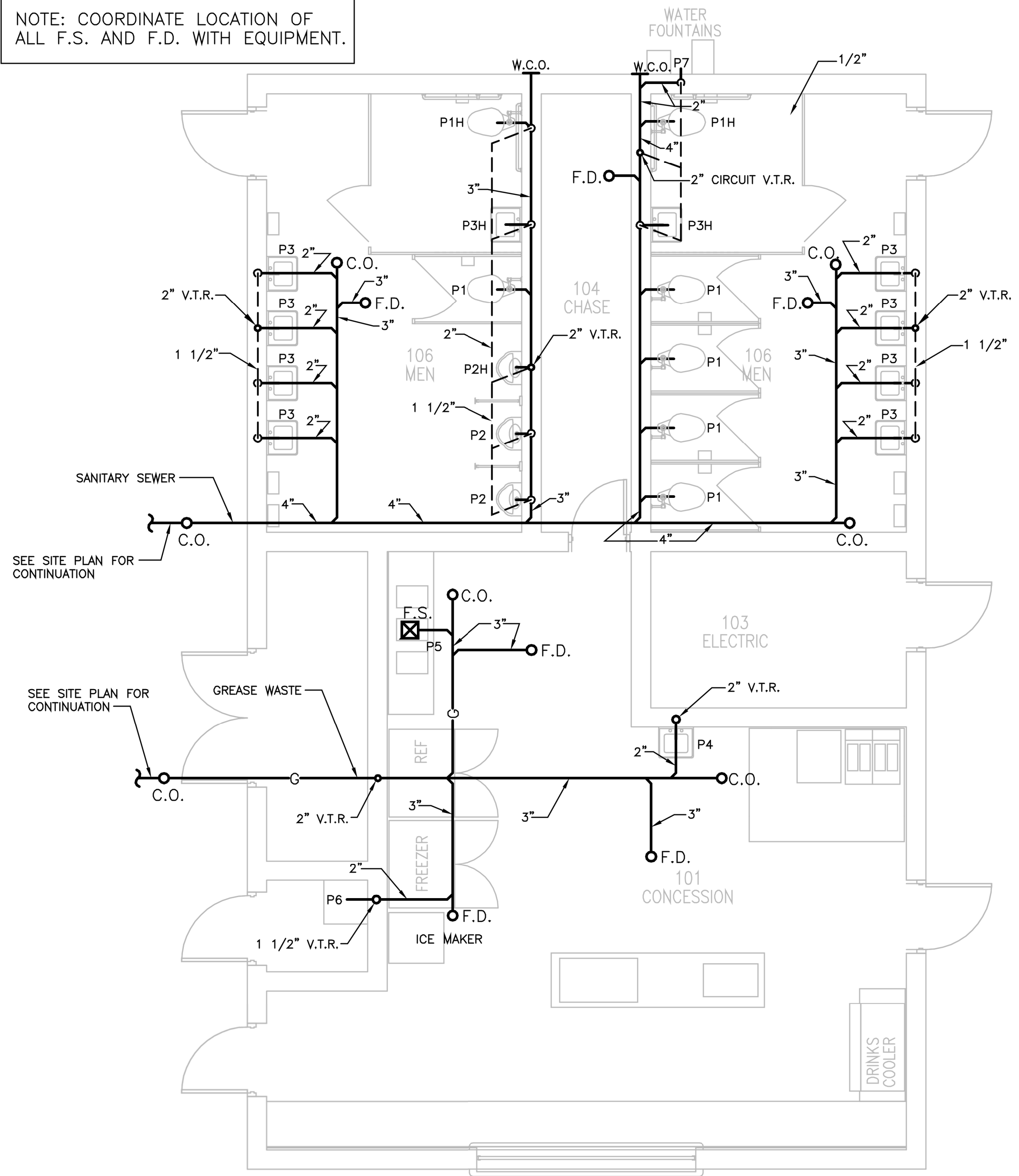
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REV.	DATE	DESCRIPTION
1	8/29/23	CONSTRUCTION DRAWINGS

NOTE: COORDINATE LOCATION OF ALL F.S. AND F.D. WITH EQUIPMENT.



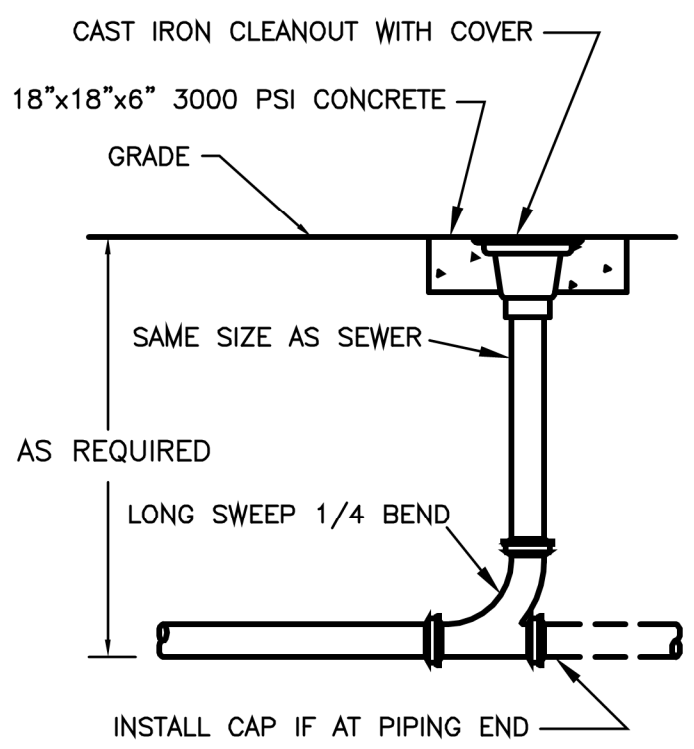
WASTE, VENT AND GAS PLAN  
SCALE: 1/4"=1'

**PLUMBING NOTES**

1. PLUMBING LAYOUTS ARE SCHEMATIC, PROVIDE ANY ADDITIONAL DROPS, RISERS OR FITTINGS AS REQUIRED FOR COMPLETE INSTALLATION. BEFORE START OF WORK MEET WITH ALL OTHER TRADES TO COORDINATE PLUMBING INSTALLATION.
2. INSTALL EQUIPMENT AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND PIPING SUCH THAT MANUFACTURER'S RECOMMENDED CLEARANCES ARE MET FOR MAINTENANCE.
4. TO THE EXTENT POSSIBLE RUN ALL PIPING HIDDEN IN WALLS, FLOOR AND CEILINGS. WHERE ROUTED IN EXTERIOR CEILINGS AND WALLS LOCATE PIPING ON THE HEATED SIDE OF INSULATION. COORDINATE LOCATION OF PIPING WITH ARCHITECTURAL PLANS FOR EXACT LOCATION OF WALLS, CEILINGS AND CHASED AREAS. FIELD VERIFY ROUGH-IN LOCATIONS.
5. PROVIDE A WATER HAMMER ARRESTOR AT EACH FIXTURE 'SIZE A' ON BOTH HOT AND COLD WATER SUPPLY.

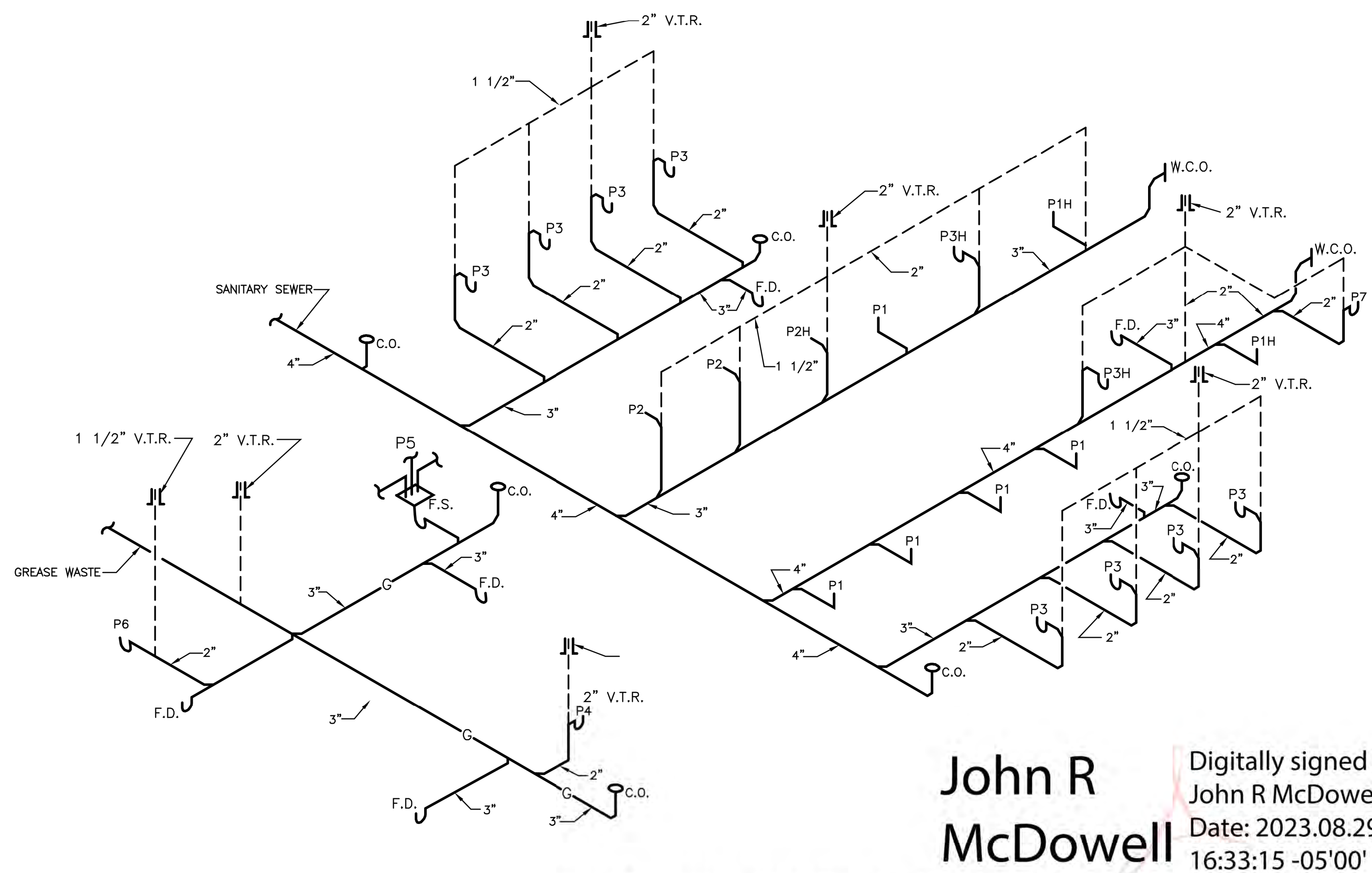
**PLUMBING LEGEND**

- COLD WATER PIPING
- HOT WATER PIPING
- HOT WATER RECIRCULATION LINE
- G- GREASE WASTE
- WASTE PIPING
- VENT PIPING
- WH INSTANTANEOUS WATER HEATER
- W.C.O. WALL CLEANOUT
- C.O. CLEANOUT
- F.D. FLOOR DRAIN
- P1 PLUMBING FIXTURE
- V.T.R. VENT THRU ROOF
- F.S. FLOOR SINK
- ELBOW TURNED DOWN
- TEE TURNED DOWN
- WH WALL HYDRANT
- ⊘ GATE VALVE
- ⊘ BALL VALVE



**EXTERIOR CLEANOUT DETAIL**

SCALE: NONE



**WASTE AND VENT RISER**

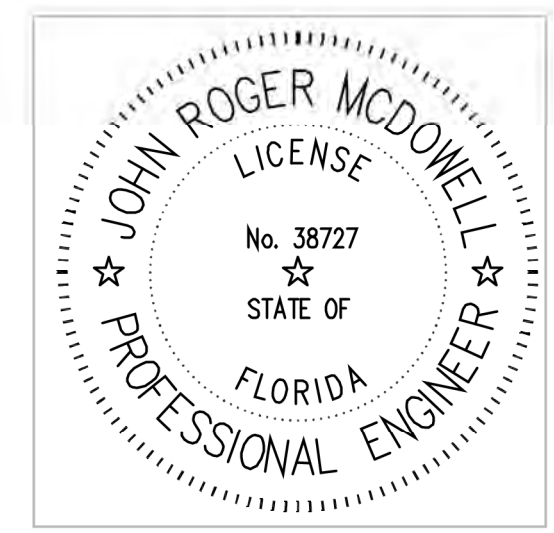
SCALE: NONE

MARK	FIXTURE	ROUGH-IN SIZE (INCHES)				REMARKS	FIXTURE FURNISHED BY:
		HW	CW	WASTE	VENT		
P1	WATER CLOSET	---	1/2	3	---	FLOOR MOUNTED, TANK TYPE	CONTRACTOR
P1H	WATER CLOSET	---	1/2	3	---	HANDICAPPED, FLOOR MOUNTED, TANK TYPE	CONTRACTOR
P2	URINAL	---	3/4	2	1 1/2	WALL MOUNTED, FLUSH VALVE	CONTRACTOR
P2H	URINAL	---	3/4	2	1 1/2	HANDICAPPED, WALL MOUNTED, FLUSH VALVE	CONTRACTOR
P3	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL MOUNTED	CONTRACTOR
P3H	LAVATORY	1/2	1/2	1 1/2	1 1/2	HANDICAPPED, WALL MOUNTED	CONTRACTOR
P4	SINK	1/2	1/2	2	NOTE 1	HAND SINK	EQUIPMENT SUPPLIER
P5	SINK	1/2	1/2	1 1/2	NOTE 1	3-COMPARTMENT SINK (SEE NOTE 6)	EQUIPMENT SUPPLIER
P6	MOP SINK	1/2	1/2	1 1/2	NOTE 1	FLOOR MOUNTED	EQUIPMENT SUPPLIER
P7	WATER COOLER	---	1/2	1 1/4	1 1/4	TWO LEVEL WATER COOLER (HANDICAPPED ACCESSIBLE)	CONTRACTOR
	ICE MAKER	---	1/2	---	---	PROVIDE RECESSED ICE MAKER BOX WITH WITH ANGLE STOP VALVE AND WATER HAMMER ARRESTORS	CONTRACTOR
W.H.	WALL HYDRANT	---	3/4"	---	---	VANDAL PROOF NON-FREEZE WALL HYDRANT	CONTRACTOR
F.S.	FLOOR SINK	---	---	3	---	JOSAM MODEL 49300-3 3" OUTLET WITH 1/2 GRATE	CONTRACTOR
F.D.	FLOOR DRAIN	---	---	3	---		CONTRACTOR

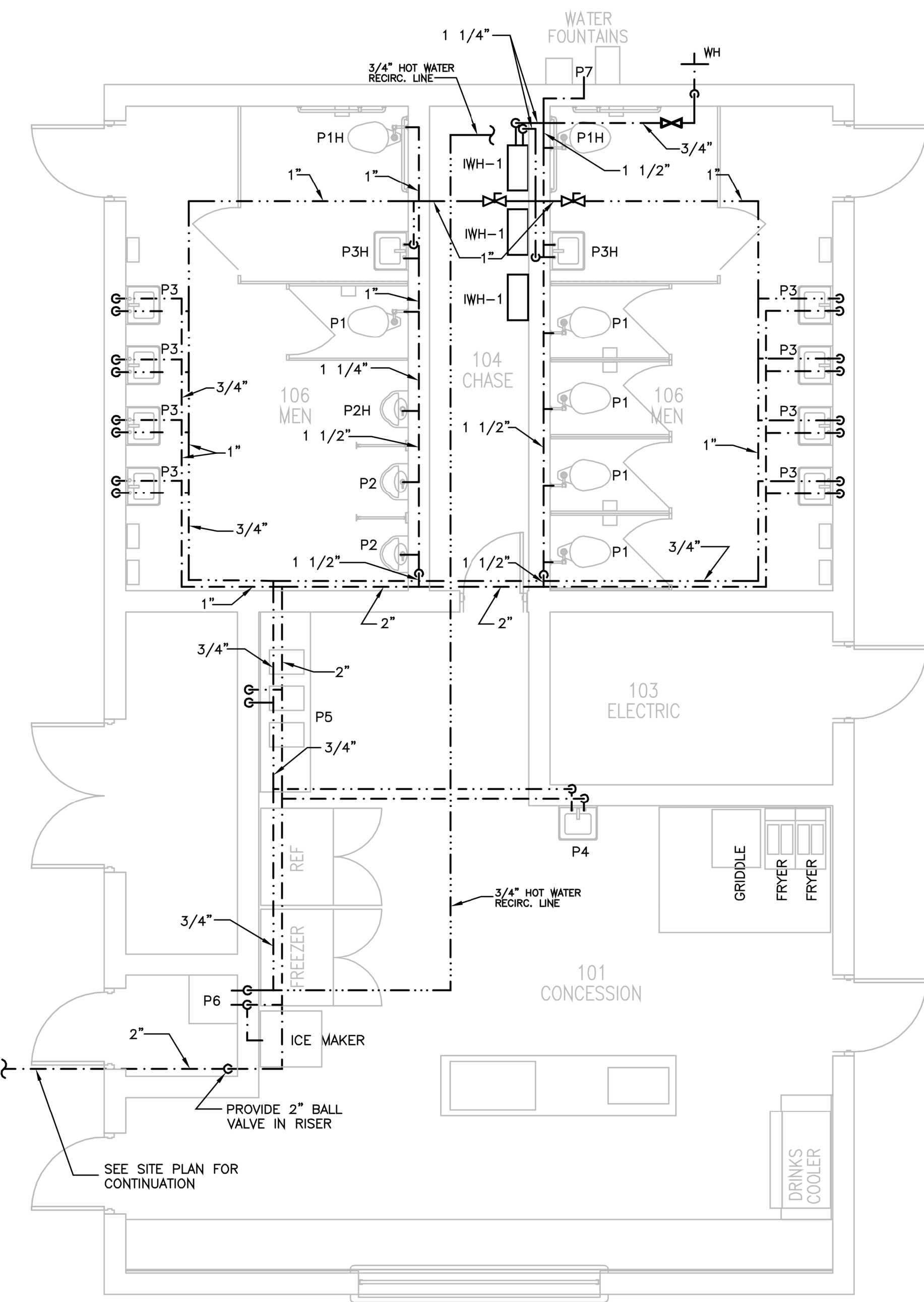
- NOTES:**
1. INDIRECT WASTE, RUN FIXTURE WASTE LINE TO NEAREST FLOOR SINK OR FLOOR DRAIN.
  2. CONTRACTOR SHALL PROVIDE ALL PIPE FITTINGS AND VALVES FOR COMPLETE INSTALLATION FOR ALL FIXTURES PROVIDED BY OWNER.
  3. PROVIDE TRAPS FOR ALL FIXTURES EXCEPT WATER CLOSETS.
  4. COORDINATE FLOOR SINK AND FLOOR DRAIN LOCATION WITH EQUIPMENT.
  5. ALL FIXTURES SHALL BE APPROVED BY OWNER.
  6. EACH COMPARTMENT DRAIN SHALL BE PIPED SEPARATELY TO FLOOR SINK.

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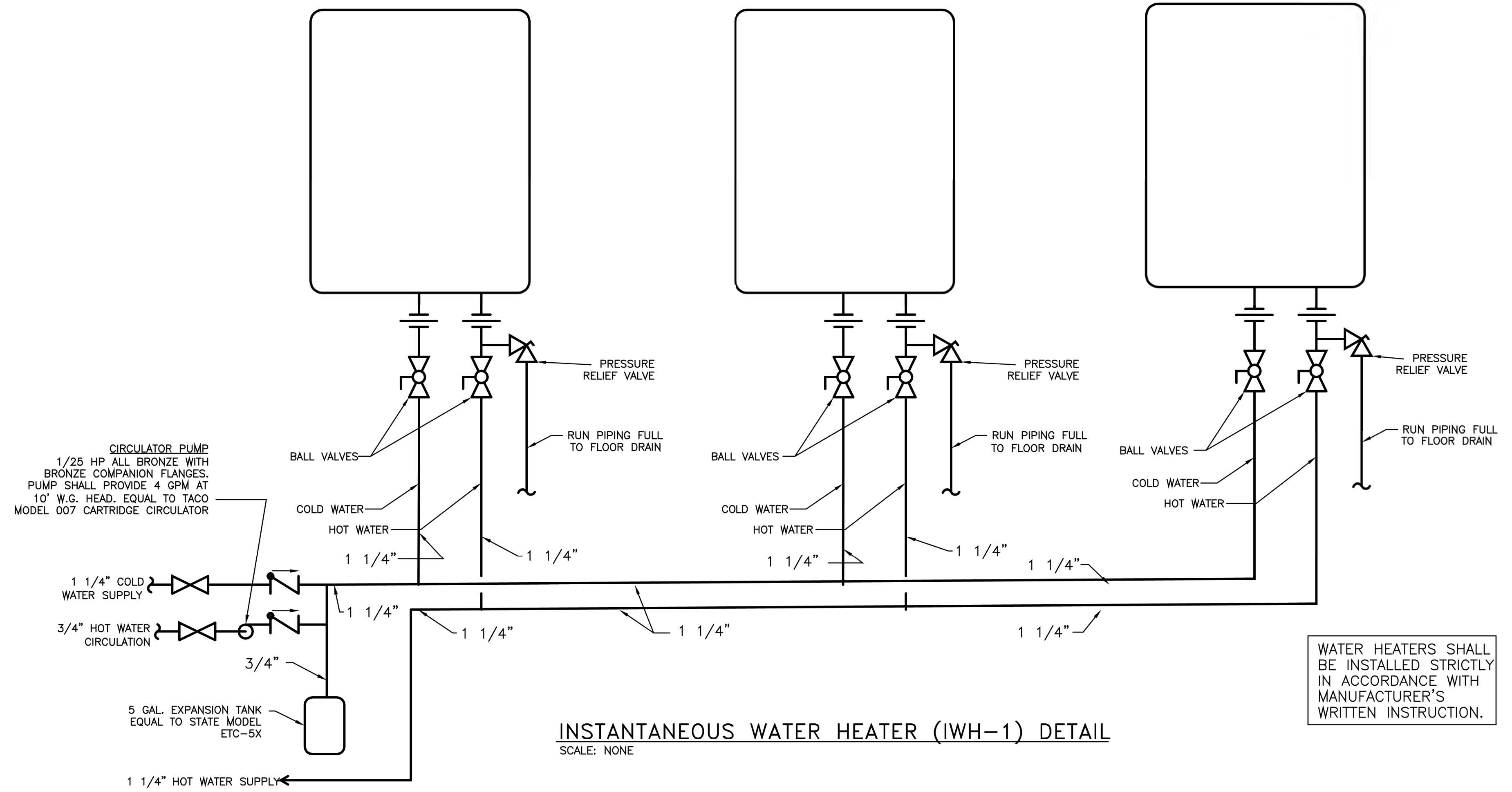
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REV.	DATE	DESCRIPTION
1	8/29/23	CONSTRUCTION DRAWINGS

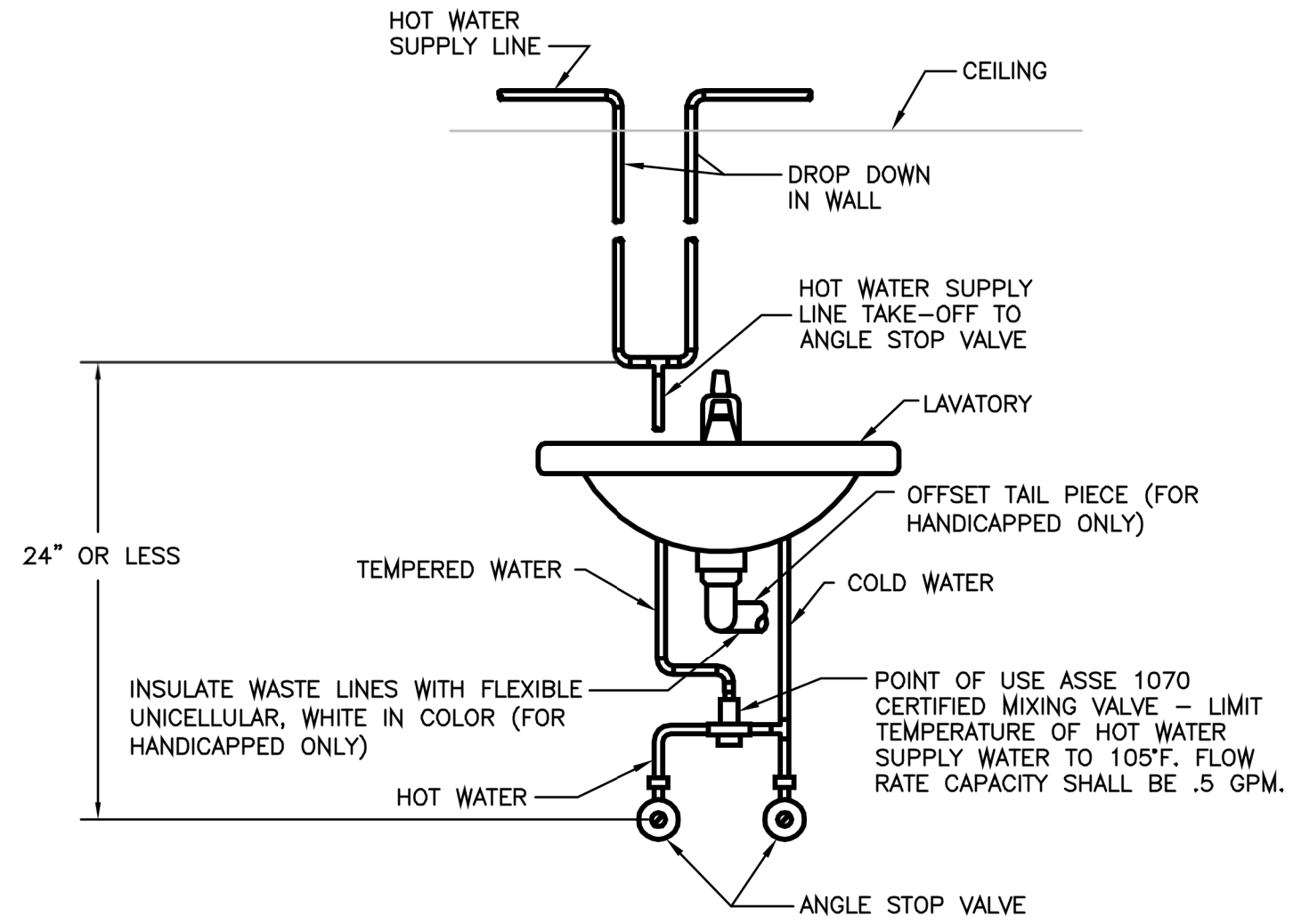


**HOT AND COLD WATER PLAN**  
SCALE: 1/4"=1'



**INSTANTANEOUS WATER HEATER (IWH-1) DETAIL**  
SCALE: NONE

WATER HEATERS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTION.

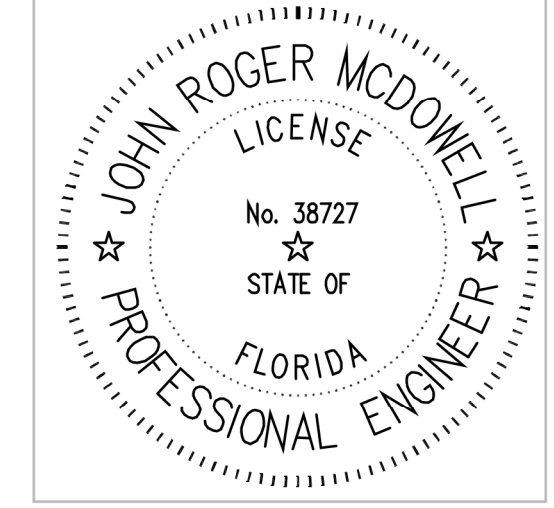


**TYPICAL LAVATORY INSTALLATION DETAIL**  
SCALE: NONE

INSTANTANEOUS WATER HEATER SCHEDULE					
MARK	FLOW	POWER	VOLTS/PH.	AMPS	MANUFACTURER/ MODEL
IWH-1	8 GPM @ 30°F RISE	36,000 WATTS	480v/3ø	43	EEMAX/30UK72

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**John R McDowell**  
Date: 2023.08.29 16:33:48 -05'00'

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1608 BECK AVENUE  
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CA. LIC. NO. 9955



CONCESSION STAND  
HOT AND COLD WATER PLAN  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DATE	DESCRIPTION

**P2.0**  
37237-01

**PLUMBING GENERAL NOTES**

1. ALL PLUMBING WORK SHALL CONFORM WITH THE 2020 FLORIDA PLUMBING CODE.
2. WATER PIPING INSIDE THE BUILDING SHALL BE COPPER TUBING, ASTM B 88, TYPE K FOR UNDERGROUND AND TYPE L FOR ABOVEGROUND, WITH B16.22 SOLDER JOINT FITTINGS USING ASTM B 32, 95-5 TIN ANTIMONY OR GRADE Sn96 TIN SILVER SOLDER, AND FLUX CONTAINING NOT MORE THAN .2% LEAD.
3. AS AN ALTERNATIVE, WATER PIPING MAY BE CPVC, ASTM D 2846, CPVC SHALL HAVE A FLAME AND SMOKE RATING LESS THAN 25/50 RESPECTIVELY WHEN TESTED TO UL ASTM E84 (TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS) MAKING IT SUITABLE FOR RETURN AIR PLENUMS. PROVIDE TRANSITION UNION CONNECTORS OR THREADED GATE VALVE BETWEEN COPPER TUBING AND CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPING PROVIDE MALE THREADED ADAPTERS WITH PTFE POLYTETRAFLUOROETHYLENE) PIPE THREAD PASTE FOR THREADED CONNECTIONS TO VALVES, STRAINERS, AND EQUIPMENT.
4. WATER PIPING ROUTED ABOVE CELINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
5. COMBINATION PRESSURE/TEMPERATURE RELIEF VALVE SHALL BE BRONZE BODY, BRASS TRIM, STAINLESS STEEL SPRING AND SILICONE SEAT DISC WITH TEST LEVER. VALVES SHALL BE ASME LISTED AND RATED.
6. DRAIN, WASTE AND VENT (DWV) PIPING SHALL BE POLYVINYL CHLORIDE (PVC) SYSTEM, ASTM D 2665.
7. PROVIDE CONTROL-STOP VALVES IN EACH SUPPLY TO EACH FIXTURE. THE FINISH OF FITTINGS, ACCESSORIES AND SUPPLIES EXPOSED TO VIEW SHALL BE CHROMIUM PLATED PER ANSI.18.1M.
8. PROVIDE CHROMIUM PLATED ESCUTCHEON PLATES FOR PIPING PASSING THROUGH WALLS EXPOSED TO VIEW.
9. ALL HOT WATER LINES SHALL BE INSULATED WITH 1", AND COLD WATER LINES WITH 1/2" FLEXIBLE UNICELLULAR INSULATION, ASTM C 434. ALL JOINTS AND SEAMS SHALL BE GLUED USING GLUE RECOMMENDED BY MANUFACTURER.
10. FLOOR DRAINS FOR CONCRETE ON GRADE SHALL HAVE CLAMPING RINGS FOR USE WITH MEMBRANE WATERPROOFING WITH DOUBLE DRAINAGE FLANGE. OTHER FLOOR DRAINS SHALL BE SUITABLE FOR FLOORING MATERIAL. FLOOR DRAINS SHALL BE 5" ROUND NICKEL BRONZE STAINER 3" PIPE SIZE, ADJUSTABLE COLLAR AND P-TRAP. FLOOR DRAINS SHALL HAVE A RUBBER TRAP GUARD INSTALLED TO PROTECT TRAP SEAL AND PREVENT SEWER GASES FROM ENTERING THE SPACE. DRAINS SHALL BE FOR PVC PIPE CONNECTION. TRAP GUARD SHALL BE EQUAL TO PREVENT TRAP GUARD SYSTEM.
11. FLOOR CLEANOUTS SHALL BE ANSI A112.36.2M, CAST-IRON OR DUCTILE-IRON CLEANOUT WITH FLANGE, ADJUSTABLE HEIGHT POLISHED BRONZE, NICKEL BRONZE, STAINLESS STEEL, OR CHROMIUM-PLATED COPPER ALLOY RIM AND SCORRIATED FLOOR PLATE WITH "CO" CAST IN THE PLATE, AND COUNTERSUNK SCREWS FOR INSTALLING FLOOR PLATE FLUSH WITH FINISHED FLOOR. PROVIDE THREADED BRONZE OR THERMOPLASTIC OR PVC PLASTIC CLEANOUT PLUGS. FOR WALL CLEANOUTS PROVIDE POLISHED STAINLESS OR CHROMIUM-PLATED COPPER ALLOY COVER PLATE AND SECURE TO CLEANOUT PLUG WITH COUNTERSUNK STAINLESS STEEL SCREW.
12. GATE VALVES SHALL BE MSS SP-80, CLASS 125. BALL VALVES, COPPER ALLOY FULL PORT DESIGN MAY BE USED IN LIEU OF GATE VALVES.
13. WALL HYDRANTS SHALL BE EQUAL TO WATTS HY-330 ENCASED SELF DRAINING RECESSED IN WALL, NARROW WALL HYDRANT WITH ANTI-SIPHON VANDAL RESISTANT VACUUM BREAKER. PROVIDE OPERATING KEY. PROVIDE A GATE VALVE AT AN ACCESSIBLE LOCATION FOR EACH WALL HYDRANT TO ALLOW SERVICING. MOUNT 24" ABOVE GRADE.
14. WATER HAMMER ARRESTORS SHALL BE PDI WH201.
15. DISINFECT NEW WATER PIPING IN ACCORDANCE WITH THE FOLLOWING FILL THE PIPING SYSTEMS WITH A SOLUTION CONTAINING MINIMUM 50 PARTS PER MILLION OF AVAILABLE CHLORINE AND ALLOW SOLUTION TO STAND FOR MINIMUM OF 24 HOURS. FLUSH THE SOLUTION FROM THE SYSTEMS WITH CLEAN WATER UNTIL MAXIMUM RESIDUAL CHLORINE CONTENT IS NOT GREATER THAN .2 PARTS PER MILLION.
16. PROVIDE PIPE SLEEVES WHERE PIPING PASSES THROUGH WALLS, FLOORS, ROOFS, AND PARTITIONS. SECURE SLEEVES IN PROPER POSITION AND LOCATION DURING CONSTRUCTION. PROVIDE SLEEVES OF SUFFICIENT LENGTH TO PASS THROUGH ENTIRE THICKNESS OF WALLS, FLOORS, ROOFS AND PARTITIONS. PROVIDE NOT LESS THAN .25 INCH SPACES BETWEEN EXTERIOR OF PIPING OR PIPE INSULATION AND INTERIOR OF SLEEVE. FIRMLY PACK SPACE WITH INSULATION AND CALK AT BOTH ENDS OF THE SLEEVE WITH PLASTIC WATERPROOF CEMENT WITH WILL DRY TO A FIRM BUT PLIABLE MASS OR PROVIDE A SEGMENTED ELASTOMERIC SEAL. EXTEND SLEEVES IN FLOOR SLABS 3 INCHES ABOVE FINISHED FLOOR, EXCEPT SLEEVES ARE NOT REQUIRED WHERE DWV PASSES THROUGH CONCRETE FLOOR SLABS LOCATED ON GRADE.
17. PROVIDE ADEQUATE SUPPORT FOR PIPING BY FASTENING TO THE BUILDING STRUCTURE. PROVIDE INSULATION PROTECTION SHIELDS FOR INSULATED PIPING. HANGERS SHALL CONFORM TO MSS SP88 AND MSS SP69. HORIZONTAL PLASTIC PIPE SHALL BE SUPPORTED AT 4 FOOT INTERVALS AND AT EACH CHANGE IN DIRECTION. SUPPORT COPPER AND STEEL PIPING AT 6 FOOT INTERVALS FOR 1 1/4" AND LESS AND AT 8 FOOT INTERVALS FOR 1 1/2" AND 2" PIPING.
18. WATER FILTERS SHALL BE PROVIDED FOR ICE MAKERS AND SHALL BE TWO STAGE 4.5" DIA. X 20" H. EACH STAGE, 1" PORTS, 20 GPM MIN. FLOW RATE WITH LESS THAN 1.0 PSI PRESSURE LOSS. FIRST STAGE SHALL BE DUAL GRADIENT POLYPROPYLENE SEDIMENT FILTER, 25 MICRON SURFACE, 1 MICRON INNER CORE. SECOND STAGE SHALL BE RADIAL GRANULAR ACTIVATED CARBON, 20 MICRON. FEED WATER PRESSURE RANGE 20-90 PSI. EQUAL TO HOME MASTER MODEL HMF2SDGC OR AS PROVIDED BY OWNER. OWNER SHALL INDICATE INSTALLATION LOCATION.

**PLUMBING FIXTURES**

(P1) WHEEL CHAIR FLUSH VALVE TYPE CLOSETS, ASME A112.19.2M, FLOOR MOUNTED WHITE VITREOUS CHINA, SIPHON JET, ELONGATED OPEN-FRONT SEAT AND ASME A112.19.5 TRIM. PROVIDE LARGE DIAPHRAGM (NOT LESS THAN 2.625 INCHES UPPER CHAMBER INSIDE DIAMETER AT THE POINT WHERE THE DIAPHRAGM IS SEALED BETWEEN THE UPPER AND LOWER CHAMBERS) NONHOLD-OPEN FLUSH VALVE OF CHROME PLATED CAST BRASS, INCLUDING VACUUM BREAKER AND ANGLE (CONTROL-STOP) VALVE WITH BACK CHECK, MOUNTED APPROX. 39 TO 44 INCHES ABOVE FLOOR. THE WATER FLUSHING VOLUME OF THE FLUSH VALVE AND WATER CLOSET COMBINATION SHALL NOT EXCEED 1.6 GALLONS PER FLUSH. FLUSH VALVES SHALL BE TOUCHLESS INFRARED ACTIVATED, AC POWERED.

(P1H) WHEEL CHAIR FLUSH VALVE TYPE CLOSETS, ASME A112.19.2M, FLOOR MOUNTED WHITE VITREOUS CHINA, SIPHON JET, ELONGATED OPEN-FRONT SEAT AND ASME A112.19.5 TRIM. PROVIDE LARGE DIAPHRAGM (NOT LESS THAN 2.625 INCHES UPPER CHAMBER INSIDE DIAMETER AT THE POINT WHERE THE DIAPHRAGM IS SEALED BETWEEN THE UPPER AND LOWER CHAMBERS) NONHOLD-OPEN FLUSH VALVE OF CHROME PLATED CAST BRASS, INCLUDING VACUUM BREAKER AND ANGLE (CONTROL-STOP) VALVE WITH BACK CHECK, MOUNTED APPROX. 39 TO 44 INCHES ABOVE FLOOR. THE WATER FLUSHING VOLUME OF THE FLUSH VALVE AND WATER CLOSET COMBINATION SHALL NOT EXCEED 1.6 GALLONS PER FLUSH. FLUSH VALVES SHALL BE TOUCHLESS INFRARED ACTIVATED, AC POWERED.

(P2) FLUSH VALVE TYPE URINALS SHALL BE ASME A112.19.2M, WHITE VITREOUS CHINA, WALL MOUNTED, WALL OUTLET, SIPHON JET, INTEGRAL TRAP, EXTENDED SIDE SHIELDS, AND ASME A112.19.5 TRIM. PROVIDE LARGE DIAPHRAGM (NOT LESS THAN 2.625 INCHES UPPER CHAMBER INSIDE DIAMETER AT THE POINT WHERE THE DIAPHRAGM IS SEALED BETWEEN THE UPPER AND LOWER CHAMBERS), NONHOLD-OPEN FLUSH VALVE OF CHROME PLATED CAST BRASS, INCLUDING VACUUM BREAKER AND ANGLE (CONTROL-STOP) VALVE WITH BACK CHECK. WATER FLUSHING VOLUME OF THE FLUSH VALVE AND URINAL COMBINATION SHALL NOT EXCEED 1.5 GALLONS PER FLUSH FROM 10 TO 90 PSI. PROVIDE ASME A112.6.1M CONCEALED WALL HANGERS WITH THRU-BOLTS AND BACK PLATES FOR MOUNTING. FLUSH VALVES SHALL BE TOUCHLESS INFRARED ACTIVATED, AC POWERED.

(P2H) WHEELCHAIR FLUSH VALVE TYPE URINALS, WHITE VITREOUS CHINA, WALL-MOUNTED, WALL OUTLET, BLOWOUT ACTION, INTEGRAL TRAP, ELONGATED PROJECTING BOWL 20 INCHES LONG FROM WALL TO FRONT OF FLARE, AND ASME A112.19.5 TRIM. PROVIDE LARGE DIAPHRAGM (NOT LESS THAN 2.625 INCHES UPPER CHAMBER INSIDE DIAMETER AT THE POINT WHERE THE DIAPHRAGM IS SEALED BETWEEN THE UPPER AND LOWER CHAMBERS), NONHOLD-OPEN FLUSH VALVE OF CHROME PLATED CAST BRASS CONFORMING TO, INCLUDING VACUUM BREAKER AND ANGLE (CONTROL-STOP) VALVE WITH BACK CHECK. THE WATER FLUSHING VOLUME OF THE FLUSH VALVE AND URINAL COMBINATION SHALL NOT EXCEED ONE GALLON PER FLUSH. FURNISH URINAL MANUFACTURER'S CERTIFICATION OF CONFORMANCE. PROVIDE ASME A112.6.1M CONCEALED CHAIR CARRIERS. MOUNT URINAL WITH FRONT RIM A MAXIMUM OF 17 INCHES ABOVE FLOOR AND FLUSH VALVE HANDLE A MAXIMUM OF 44 INCHES ABOVE FLOOR FOR USE BY HANDICAPPED ON WHEELCHAIR. FLUSH VALVES SHALL BE TOUCHLESS INFRARED ACTIVATED, AC POWERED.

(P3) WALL LAVATORY SHALL BE ASME/ANSI A112.19.2M WHITE VITREOUS CHINA WITH ASME A112.6.1M CONCEALED ARM CARRIER SUPPORT, STRAIGHT BACK TYPE, MINIMUM DIMENSIONS OF 19 INCHES WIDE BY 16 INCHES FRONT TO REAR. PROVIDE COPPER ALLOY CENTER SET FAUCET WITH AERATOR, GRID STRAINER, AND ADJUSTABLE P-TRAP. TOUCHLESS OPERATION SHALL BE PROVIDED. FAUCET SHALL HAVE INTEGRAL SENSOR TO OPEN FAUCET SHUTOFF VALVE FOR A 30 SECOND RUN TIME. TOUCHLESS OPERATION SHALL BE AC POWERED.

(P3H) HANDICAPPED WALL HUNG LAVATORY - SHALL BE ASME/ANSI A112.19.2M LAVATORY WHITE VITREOUS CHINA WITH ASME A112.6.1M CONCEALED ARM CARRIER SUPPORT, STRAIGHT BACK TYPE, MINIMUM DIMENSIONS OF 20 INCHES WIDE BY 18 INCHES FRONT TO REAR, 29 INCHES MINIMUM CLEARANCE FROM BOTTOM OF FRONT RIM TO FLOOR, 34 INCHES FRONT TIM HEIGHT ABOVE FLOOR. PROVIDE ASME A112.18.1M COPPER ALLOY CENTER SET FAUCETS, GOOSENECK SPOUT WITH AERATOR 5 INCHES ABOVE RIM, 4-INCH WRIST ACTION HANDLES, PERFORATED GRID STRAINERS WITH OFFSET TAILPIECE, AND 1.25-INCH ADJUSTABLE P-TRAP. INSULATE EXPOSED WASTE LINES AND SUPPLY LINES BELOW LAVATORY. TOUCHLESS OPERATION SHALL BE PROVIDED. FAUCET SHALL HAVE INTEGRAL SENSOR TO OPEN FAUCET SHUTOFF VALVE FOR A 30 SECOND RUN TIME. TOUCHLESS OPERATION SHALL BE AC POWERED.

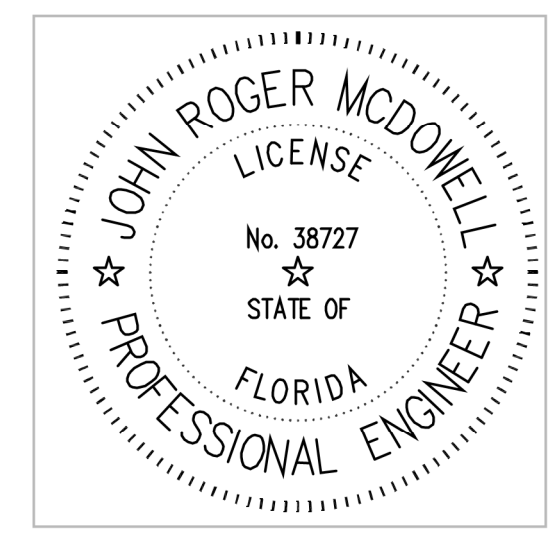
(P7) TWO LEVEL WATER COOLER ARI 1010, WALL-MOUNTED BUBBLER STYLE AIR-COOLED CONDENSING UNIT, 8.0 GPH MINIMUM CAPACITY, STAINLESS STEEL SPLASH BASIN WITH INTEGRAL DRAIN GRID AND EMBOSSED BUBBLER PAD, RUBBER SAFETY BUBBLER, REFRIGERANT SHALL BE R-134a. COOLER SHALL BE ADA COMPLIANT. BUBBLERS SHALL ACTIVATED BY INFRARED SENSORS. EQUAL TO OASIS MODEL PFBACSL5EE.



CONCESSION STAND  
PLUMBING NOTES  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV	DATE	BY	CHK	DESCRIPTION
-	8/29/23			CONCESSION DRAWINGS

**John R McDowell**  
Digitally signed by  
John R McDowell  
Date: 2023.08.29  
16:34:14 -05'00'



**P3.0**

Ronald J Nix  
Digitally signed  
by Ronald J Nix  
Date: 2023.08.24  
17:27:50 -04'00'

PANEL 'MDP'  
120/208V, 3PH, 4W, 800 AMP MCB, SURFACE MT PANELBOARD,  
42 CKT, 35,000 MIN A.I.C.

CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B C	TRIP	POLE	LOAD VA	SERVING	CKT	
1	PANEL HLA	73910	400	3			125	3	14830	PANEL HLB	2
3		73910	-	-			-	-	14830		4
5		73910	-	-			-	-	14830		6
7	TRANSFORMER LPA	29490	200	3			40	3	5570	IRRIGATION BOOSTER PUMP (15 HP)	8
9		30940	-	-			-	-	5570		10
11		29990	-	-			-	-	5570		12
13	TRANSFORMER LPS	4500	70	2			25	3	3500	HP-1	14
15		4500	-	-			-	-	3500		16
17			20	1			-	-	3500		18
19	IWH-1	12000	60	3			30	3	6220	AH-1	20
21		12000	-	-			-	-	6220		22
23		12000	-	-			-	-	6220		24
25	IWH-1	12000	60	3			30	3	3820	OAC-1	26
27		12000	-	-			-	-	3820		28
29		12000	-	-			-	-	3820		30
31	IWH-1	12000	60	3			15	3	560	OAS-1	32
33		12000	-	-			-	-	560		34
35		12000	-	-			-	-	560		36
37			20	1			20	1			38
39			20	1			20	1			40
41			20	1			20	1			42
43			20	1			20	1			44
45			20	1			20	1			46
47			20	1			20	1			48
49	SPD		30	3			20	1			50
51			-	-			20	1			52
53			-	-			20	1			54

CONNECTED LOADS: PHASE A = 178,720 VA  
PHASE B = 180,170 VA  
PHASE C = 174,720 VA  
TOTAL = 533,610 VA = 667 AMP

PANEL 'HLB'  
480/277V, 3PH, 4W, 125 AMP MCB, SURFACE MT PANELBOARD,  
30 CKT, 14,000 MIN A.I.C.

CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B C	TRIP	POLE	LOAD VA	SERVING	CKT	
1	POLE AS, FIELD 5 CC2/C1	1670	20	3			20	3	1670	POLE AB, FIELD 5 CC2/C2	2
3		1670	-	-			-	-	1670		4
5		1670	-	-			-	-	1670		6
7	POLE A7, FIELD 6 CC2/C3	1640	20	3			20	3	1640	POLE A8, FIELD 6 CC2/C4	8
9		1640	-	-			-	-	1640		10
11		1640	-	-			-	-	1640		12
13	POLE B5, FIELD 6 CC2/C5	2910	20	3			20	3	2910	POLE B6, FIELD 6 CC2/C6	14
15		2910	-	-			-	-	2910		16
17		2910	-	-			-	-	2910		18
19	SECURITY LIGHTING CC2/C7	2910	20	3			20	1			20
21		2910	-	-			20	1			22
23		2910	-	-			20	1			24
25	SPD		30	3			20	1			26
27			-	-			20	1			28
29			-	-			20	1			30

CONNECTED LOADS: PHASE A = 14830 VA  
PHASE B = 14830 VA  
PHASE C = 14830 VA  
TOTAL = 44,490 VA = 54 AMPS

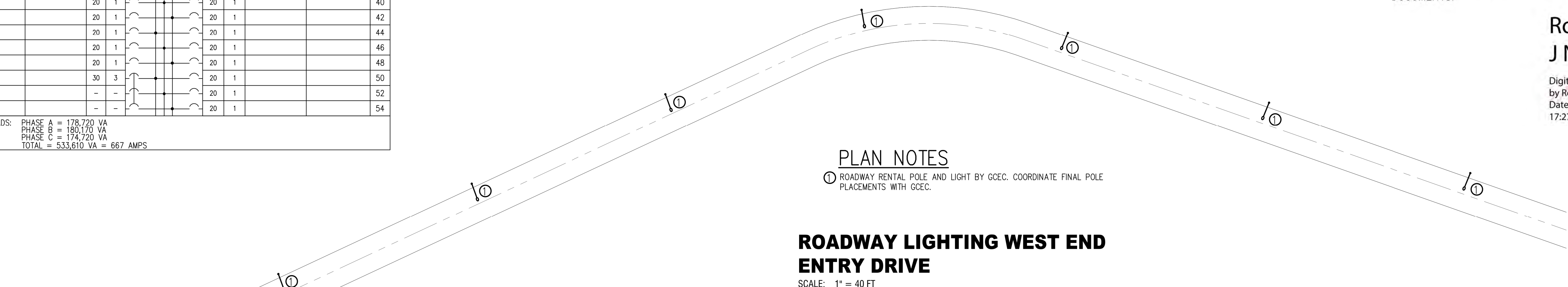
PANEL 'LSP'  
120/240V, 1PH, 3W, 100 AMP MCB, SURFACE MT PANELBOARD,  
18 CKT, 10,000 MIN A.I.C.

CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B	TRIP	POLE	LOAD VA	SERVING	CKT
1	LIFT STATION	4500	50	2						2
3		4500	-	-						4
5										6
7										8
9										10
11										12
13										14
15										16
17	SPD		30	2						18
19			-	-						20

CONNECTED LOADS: PHASE A = 4500 VA  
PHASE B = 4500 VA  
TOTAL = 9000 VA = 38 AMPS

HARD COPIES OF THIS DRAWING CANNOT BE VERIFIED AS OFFICIALLY SIGNED AND SEALED, ONLY DIGITALLY VERIFIABLE FILES CAN BE USED AS OFFICIAL DOCUMENTS.

MATCHLINE E1.02



**ROADWAY LIGHTING WEST END ENTRY DRIVE**  
SCALE: 1" = 40 FT

PLAN NOTES  
1. ROADWAY RENTAL POLE AND LIGHT BY GCEC. COORDINATE FINAL POLE PLACEMENTS WITH GCEC.

FL SR NO. 17

PANEL 'LPM'  
208/120V, 3PH, 4W, 125 AMP MCB, SURFACE MT PANELBOARD,  
30 CKT, 10,000 MIN A.I.C.

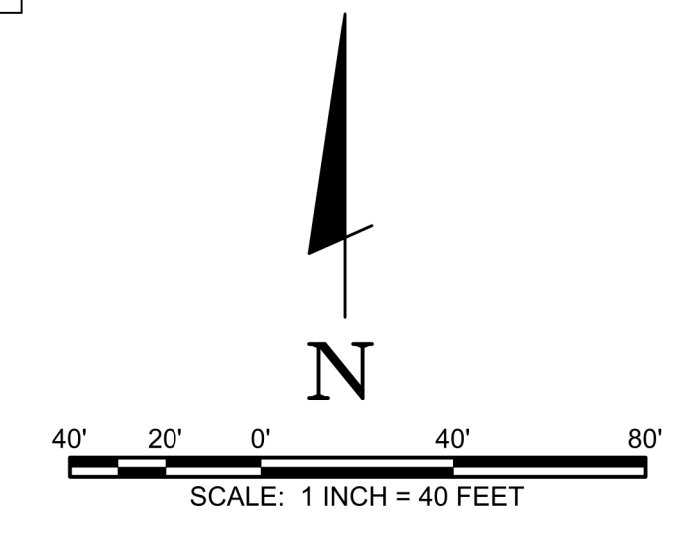
CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B C	TRIP	POLE	LOAD VA	SERVING	CKT	
1	INTERIOR LTS	500	20	1			20	1	900	RECEPTS	2
3	TBB-M	400	20	1			20	1	900	RECEPTS	4
5	IRRIGATION CONTROLLER	400	20	1			20	1	200	EXTERIOR LTS	6
7	EF-4	580	15	3			15	1	200	MOTORIZED LOUVERS	8
9		580	-	-							10
11		580	-	-							12
13	EF-4	580	15	3							14
15		580	-	-							16
17		580	-	-							18
19			-	-							20
21			-	-							22
23			-	-							24
25	SPD		30	3							26
27			-	-							28
29			-	-							30

CONNECTED LOADS: PHASE A = 2760 VA  
PHASE B = 2460 VA  
PHASE C = 1760 VA  
TOTAL = 6980 VA = 19.4 AMPS

PANEL 'LPB'  
120/208V, 3PH, 4W, 100 AMP MCB, SURFACE MT PANELBOARD,  
18 CKT, 10,000 MIN A.I.C.

CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B C	TRIP	POLE	LOAD VA	SERVING	CKT	
1	FIELD 6 SCORERS TABLE	400	20	1			20	1	250	FIELD 6 SCOREBOARD	2
3	BATING CAGE LTS	1200	20	2			20	1	600	DUGOUTS FIELD 6	4
5		1200	-	-			20	1	600	PICNIC SHELTER	6
7			20	1			20	1			8
9			20	1			20	1			10
11			20	1			20	1			12
13	SPD		30	3			20	1			14
15			-	-			20	1			16
17			-	-			20	1			18

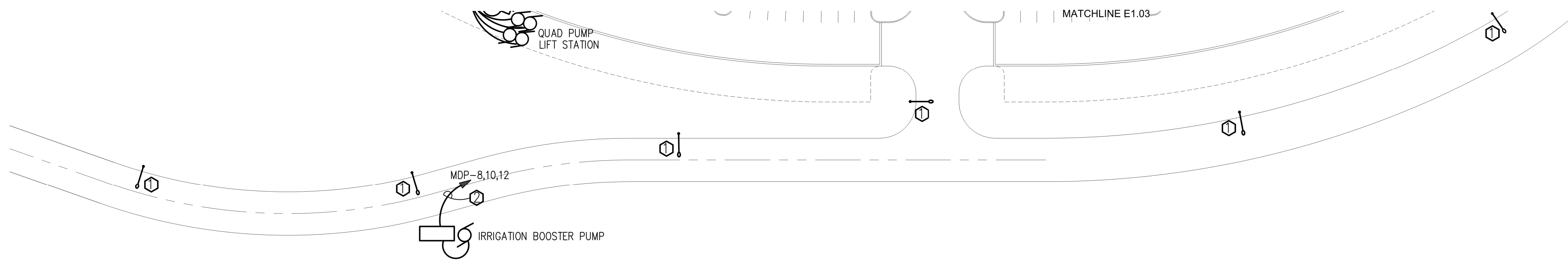
CONNECTED LOADS: PHASE A = 650 VA  
PHASE B = 1800 VA  
PHASE C = 1800 VA  
TOTAL = 4250 VA = 12 AMPS



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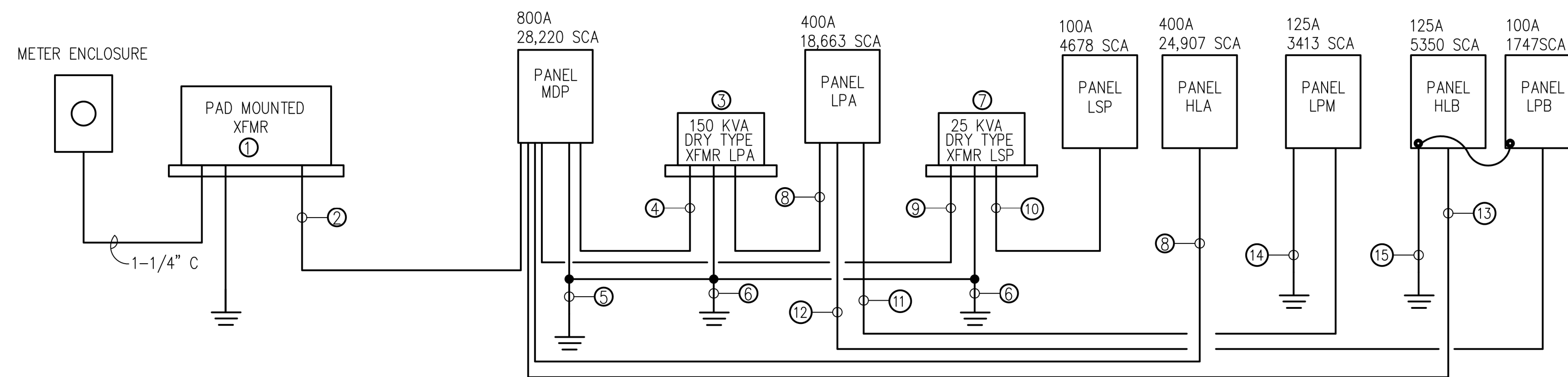


**PLAN NOTES – THIS SHEET**

- ① ROADWAY RENTAL POLE AND LIGHT BY GCEC. COORDINATE FINAL POLE PLACEMENTS WITH GCEC.
- ② THREE 2 AWG THWN-2 CU AND ONE 2 AWG CU GND IN 1-1/2" C. CONNECT TO CONTROLLER FURNISHED WITH PUMP AND CONNECT PUMP PER MANUFACTURER'S INSTRUCTIONS. CONTROLLER TO BE FURNISHED WITH INTEGRAL DISCONNECT. AT THIRD POINTS OF CONDUIT RUN PROVIDE 24"x24"x24"D TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 48"x48"x12D" GRAVEL BASE.

**ROADWAY LIGHTING EAST END ENTRY DRIVE**

SCALE: 1" = 40 FT



**SINGLE LINE DIAGRAM**  
NOT TO SCALE

**KEY TO SINGLE LINE DIAGRAM**

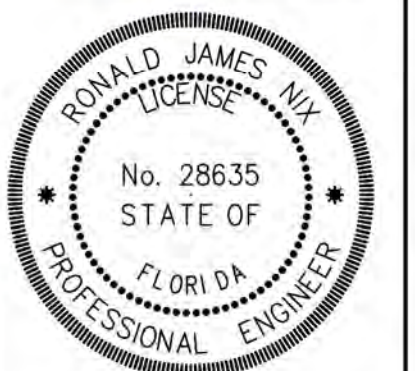
- ① PAD MOUNTED TRANSFORMER BY UTILITY COMPANY. CONTRACTOR PROVIDE CONCRETE PAD & GROUNDING PER UTILITY COMPANY SPECIFICATIONS. CONTRACTOR TO PAY ANY UNDERGROUND SERVICE CHARGES. PROVIDE PEDESTAL FOR METER ENCLOSURE PER UTILITY COMPANY SPECIFICATIONS.
- ② THREE 4" CONDUITS WITH FOUR 350 KCMIL THWN CU CONDUCTORS IN EACH CONDUIT. LEAVE SEVEN FT OF SLACK CONDUCTOR FOR UTILITY COMPANY CONNECTION AT TRANSFORMER.
- ③ DRY-TYPE TRANSFORMER: 112.5 KVA, 480V THREE PHASE DELTA PRIMARY, 208Y/120V SECONDARY.
- ④ THREE 3/0 AWG THWN-2 CU AND ONE 6 AWG CU GND IN 2" C.
- ⑤ 2/0 AWG COPPER. CONNECT TO BLDG STEEL, METAL WATER LINE IN CONTACT WITH EARTH FOR AT LEAST 10 FEET, TO CONCRETE ENCASED ELECTRODE PER NEC 250.50 & TO THREE 3/4" X 30 FT SOLID COPPER GND RODS DRIVEN IN A TRIANGULAR PATTERN & SPACED 10FT ON CENTER.
- ⑥ 2/0 AWG COPPER. CONNECT TO BUILDING GROUNDING ELECTRODE SYSTEM.
- ⑦ DRY-TYPE TRANSFORMER: 25 KVA, 480V SINGLE PHASE PRIMARY, 120/240V SINGLE PHASE SECONDARY.
- ⑧ FOUR 600 KCMIL THWN-2 CU AND ONE 3 AWG CU GND IN 4" C.
- ⑨ TWO 4 AWG THWN CU AND ONE 8 AWG CU GND IN 1-1/4" C.
- ⑩ THREE 2 AWG THWN CU AND ONE 8 AWG CU GND IN 1-1/2" C.
- ⑪ FOUR 300 KCMIL THWN-2 CU AND ONE 2/0 AWG CU GND IN 4" C. AT MID POINT (+/-) OF RUN PROVIDE 24"x24"x24"D TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 48"x48"x12D" GRAVEL BASE.
- ⑫ FOUR 350 KCMIL THWN-2 CU AND ONE 3/0 AWG CU GND IN 4" C. AT MID POINT (+/-) OF RUN PROVIDE 24"x24"x24"D TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 48"x48"x12D" GRAVEL BASE.
- ⑬ FOUR 4/0 AWG THWN-2 CU AND ONE 2 AWG CU GND IN 3" C. AT MID POINT (+/-) OF RUN PROVIDE 24"x24"x24"D TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 48"x48"x12D" GRAVEL BASE.
- ⑭ 2 AWG COPPER. CONNECT TO BLDG STEEL, METAL WATER LINE IN CONTACT WITH EARTH RO AT LEAST 10 FEET, TO CONCRETE ENCASED ELECTRODE PER NEC 250.50 & TO THREE 3/4" X 30 FT SOLID COPPER GND RODS DRIVEN IN A TRIANGULAR PATTERN & SPACED 10FT ON CENTER.
- ⑮ 2 AWG COPPER. CONNECT TO THREE 3/4" X 30 FT SOLID COPPER GND RODS DRIVEN IN A TRIANGULAR PATTERN & SPACED 10FT ON CENTER.

**GENERAL NOTES – SINGLE LINE DIAGRAM**

1. DRY TYPE TRANSFORMERS SHALL HAVE SIX FULL CAPACITY 2-1/2% TAPS, 2(+)-4(-), SHALL BE U.L. LISTED FOR 150 DEGREE C TEMPERATURE RISE ABOVE AMBIENT. INTERIOR TRANSFORMERS SHALL BE MOUNTED ON A 4" HIGH HOUSEKEEPING PAD. PAD SHALL EXTEND 4" BEYOND TRANSFORMER ON ALL SIDES. PAD SHALL HAVE 3/4" CHAMFERED EDGE.
2. STUB OUT TWO 3" CONDUITS FROM EACH PANELBOARD LOCATION UNDERGROUND TO FIVE FEET BEYOND BUILDING OR PAD, CAP BOTH ENDS AND MARK LOCATION WITH 4" DIA X 18" CONCRETE POST WITH TOP FLUSH WITH GRADE.
3. SPLICES IN UNDERGROUND PULL BOXES SHALL BE WATER PROOF

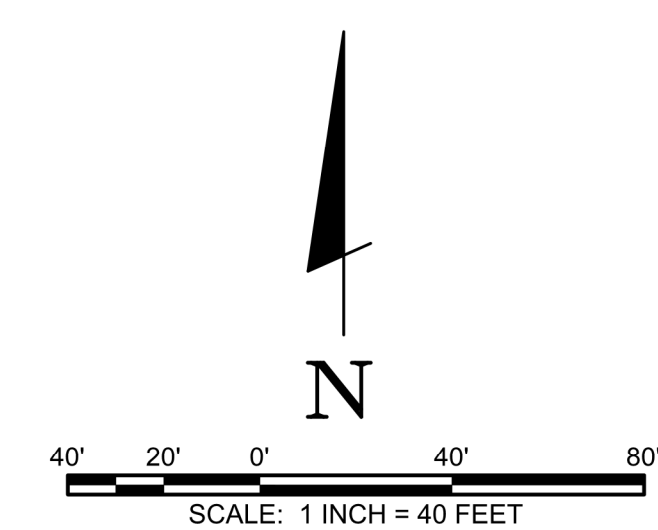
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Digitally signed by Ronald J Nix  
Date: 2023.08.24 17:26:40 -04'00'



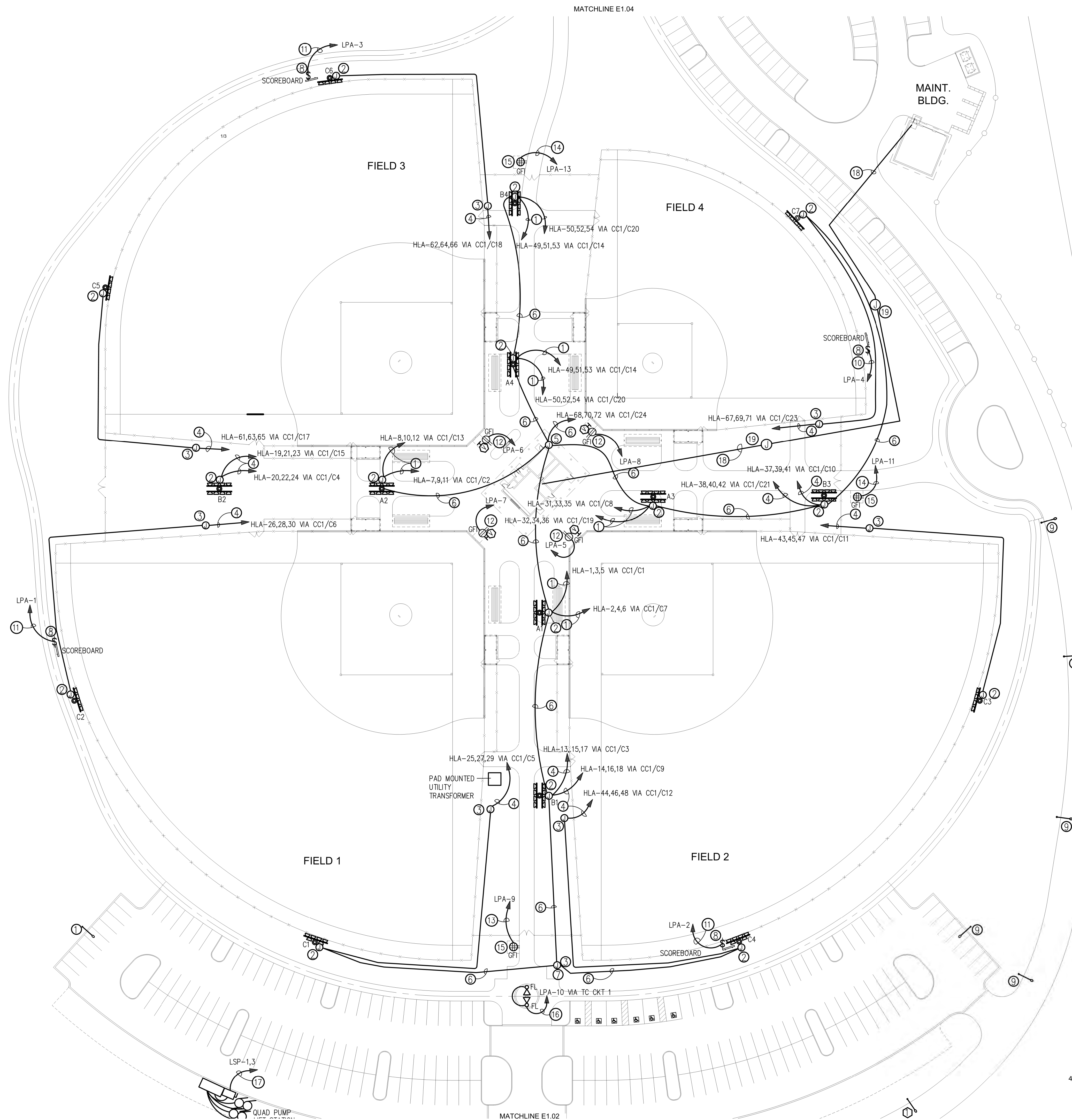
ROADWAY LIGHTING, LEGEND, RISER  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV	DATE	BY	CHK	DESCRIPTION
1	03/15/2023	RJN	RJN	DESIGNATION
2	06/20/2023	RJN	RJN	100% REVIEW
3	07/18/2023	RJN	RJN	PERMIT DOCUMENTS
		RJN	RJN	20 SUBMITTAL



**E1.02**

37237-01



**PLAN NOTES (THIS SHEET)**

- ① THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4" C.
- ② PROVIDE 12"x12"x18" TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 24"x24"x12" GRAVEL BASE. RISE UP POLE TO CABINET ON POLE WITH SCH 80 PVC CONDUIT FOR EACH CIRCUIT.
- ③ PROVIDE 12"x12"x18" TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 24"x24"x12" GRAVEL BASE.
- ④ THREE 8 AWG THWN CU AND ONE 8 AWG CU GND IN 1" C.
- ⑤ 12"x12"x4" JUNCTION BOX IN ELECTRICAL ROOM
- ⑥ THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4" C. FOR SECURITY LIGHTING.
- ⑦ PROVIDE WATERPROOF SPLICES IN UNDERGROUND JUNCTION BOX
- ⑧ PROVIDE SWITCH IN NEMA 4X ENCLOSURE FOR SIGN DISCONNECT.
- ⑨ ROADWAY RENTAL POLE AND LIGHT BY GCEC. COORDINATE FINAL POLE PLACEMENT WITH GCEC.
- ⑩ TWO 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4" C.
- ⑪ TWO 8 AWG THWN CU AND ONE 8 AWG CU GND IN 1" C. FOR RUNS OVER 300 FEET PROVIDE 12"x12"x18" TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 24"x24"x12" GRAVEL BASE. INSTALL IN GRASSED AREA.
- ⑫ MOUNT RECEPTACLE IN 24" STAINLESS STEEL PEDESTAL WITH LOCKABLE COVER EQUAL TO PEDOC 5P24-SS-C-HT-1. MOUNT ON 24" DIAMETER X 24" CONCRETE BASE. COORDINATE WITH INSTALLATION INSTRUCTIONS. RUN 1-1/4" SCH 40 PVC CONDUIT FROM LOW VOLTAGE SECTION TO ELECTRICAL ROOM IN CONCESSIONS BUILDING FOR FUTURE VIDEO RECORDING.. STUB UP CONDUIT 12" ON BOTH ENDS AND CAP.
- ⑬ TWO 2 AWG THWN-C CU AND ONE 2 AWG CU GND IN 1-1/2" SCH 40 PVC CONDUIT.
- ⑭ TWO 4 AWG THWN-C CU AND ONE 4 AWG CU GND IN 1-1/4" SCH 40 PVC CONDUIT.
- ⑮ MOUNT RECEPTACLES IN 24" STAINLESS STEEL PEDESTAL WITH LOCKABLE COVER EQUAL TO PEDOC 5P24-SS-C-HT-1. MOUNT ON 24" DIAMETER X 24" CONCRETE BASE. COORDINATE WITH INSTALLATION INSTRUCTIONS. PROVIDE WEATHERPROOF SPLICES AND CONNECT RECEPTACLES WITH 12 AWG COPPER CONDUCTORS.
- ⑯ TWO 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4" C. PROVIDE FOUR CIRCUIT DIGITAL PROGRAMMABLE ASTRONOMIC TIME CLOCK MOUNTED ADJACENT TO PANEL LPA.
- ⑰ TWO 2/0 AWG THWN-2 CU AND ONE 2/0 AWG CU GND IN 2" C. PROVIDE 60A/2P NEMA 4X DISCONNECT MOUNTED ON EQUIPMENT RACK ADJACENT TO CONTROLLER. CONNECT TO CONTROLLER FURNISHED WITH PUMP STATION AND CONNECT PUMPS PER MANUFACTURER'S INSTRUCTIONS. AT MID POINT OF CONDUIT RUN PROVIDE 24"x24"x24" TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 48"x48"x12" GRAVEL BASE.
- ⑱ 3" SCH 80 PVC CONDUIT WITH 14 AWG PULLWIRE 24" BELOW GRADE IN 12" X 12" CONCRETE ENCASEMENT.
- ⑲ PROVIDE ABOVE GROUND PULL BOX WITH LOCKABLE COVER- 18" X 18" WITH 18" ABOVE GRADE. STUB UP CONDUITS 8" ABOVE GRADE SPACED 8" APART. UNDERGROUND PORTION OF PULLBOX TO BE MOUNTED ON 36"x36"x12" DEEP GRAVEL BASE AND FILL INTERIOR OF BOX TO GRADE WITH GRAVEL.

**GENERAL NOTES**

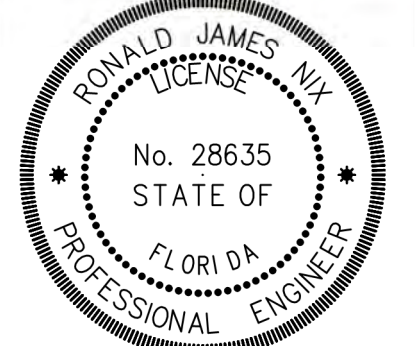
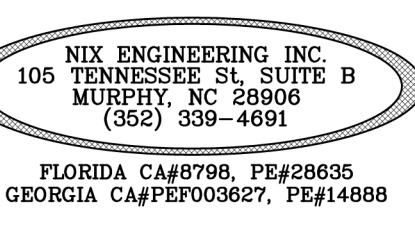
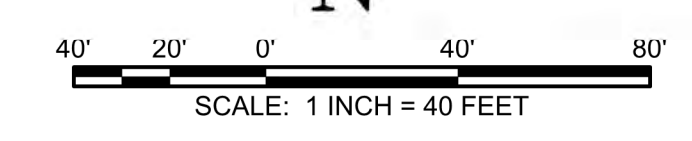
1. ALL ELECTRICAL CONDUIT AND WIRING TO BE ROUTING AROUND PLAYING FIELDS OUTSIDE OF FIELD FENCING. COORDINATE ROUTING WITH SITE UTILITIES AND LANDSCAPING.
2. SPORTS LIGHTING POLES, LUMINAIRES, CROSSARMS, BRACKETS, AND LIGHTING CONTROLS TO BE FURNISHED BY BAY COUNTY. CONTRACTOR TO COORDINATE DELIVERY AND INSTALL ALL EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS. SEE SUPPLEMENTARY DRAWINGS PROVIDED FOR INFORMATION.
3. SPORTS LIGHTING INCLUDES PARKING LOT LIGHTING AND SECURITY LIGHTING.
4. SPLICES IN UNDERGROUND PULL BOXES SHALL BE WATER PROOF
5. MINIMUM CONDUIT AND WIRING FOR EXTERIOR UNDERGROUND CIRCUITS SHALL BE 3/4" SCH 40 PVC AND 10 AWG THWN COPPER.
6. PROVIDE EXPANSION COUPLING IN ALL ABOVE GRADE PVC CONDUIT STRAIGHT RUNS OVER 10 FEET IN LENGTH.
7. IT IS RECOMMENDED THAT UNDERGROUND PULLBOXES BE INSTALLED IN ALL CONDUIT RUNS OVER 350 FT WHETHER INDICATED OR NOT.

**ELECTRICAL FOR FIELDS 1, 2, 3, & 4**

SCALE: 1" = 40 FT

**Ronald J Nix**  
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 Date: 2023.08.24 17:26:13 -0400'

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**ELECTRICAL FOR FIELDS 1, 2, 3, & 4**  
**SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX**  
 SOUTHPORT, FL

REV.	DR.	CHK.	DATE	DESCRIPTION
0	NIX	NIX	12/05/2021	60% REVIEW
1	NIX	NIX	01/15/2022	PERMIT DOCUMENTS
2	NIX	NIX	05/11/2023	DO SUBMITTAL

**E1.03**  
37237-01

**Ronald J Nix**  
Digitally signed  
by Ronald J Nix  
Date: 2023.08.24  
17:20:52 -04'00'

ELECTRICAL FOR FIELDS 5 & 6  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	DR.	CHK.	DATE	DESCRIPTION
0	RUN	NIX	12/03/2021	100% REVIEW
1	RUN	NIX	07/19/2022	PERMIT DOCUMENTS
2	RUN	NIX	05/31/2023	DO SUBMITTAL
3	RUN	NIX	05/31/2023	DO SUBMITTAL

**E1.04**  
37237-01

### TYPICAL SPORTS LIGHTING FIXTURE

Datasheet: Light-Structure System™  
Luminaire and Driver – TLC-LED-1500

**Luminaire Data**

Weight (luminaire)	67 lb (30 kg)
UL listing number	E338094 (pending)
UL listed for USA / Canada	UL1598 CSA-C22.2 No.250.0 (pending)
CE Declaration	LVD, EMC, RoHS
Ingress protection, luminaire	IP65
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mph (67 m/s)
UL IEC ambient temperature rating, luminaire	50°C (122°F)

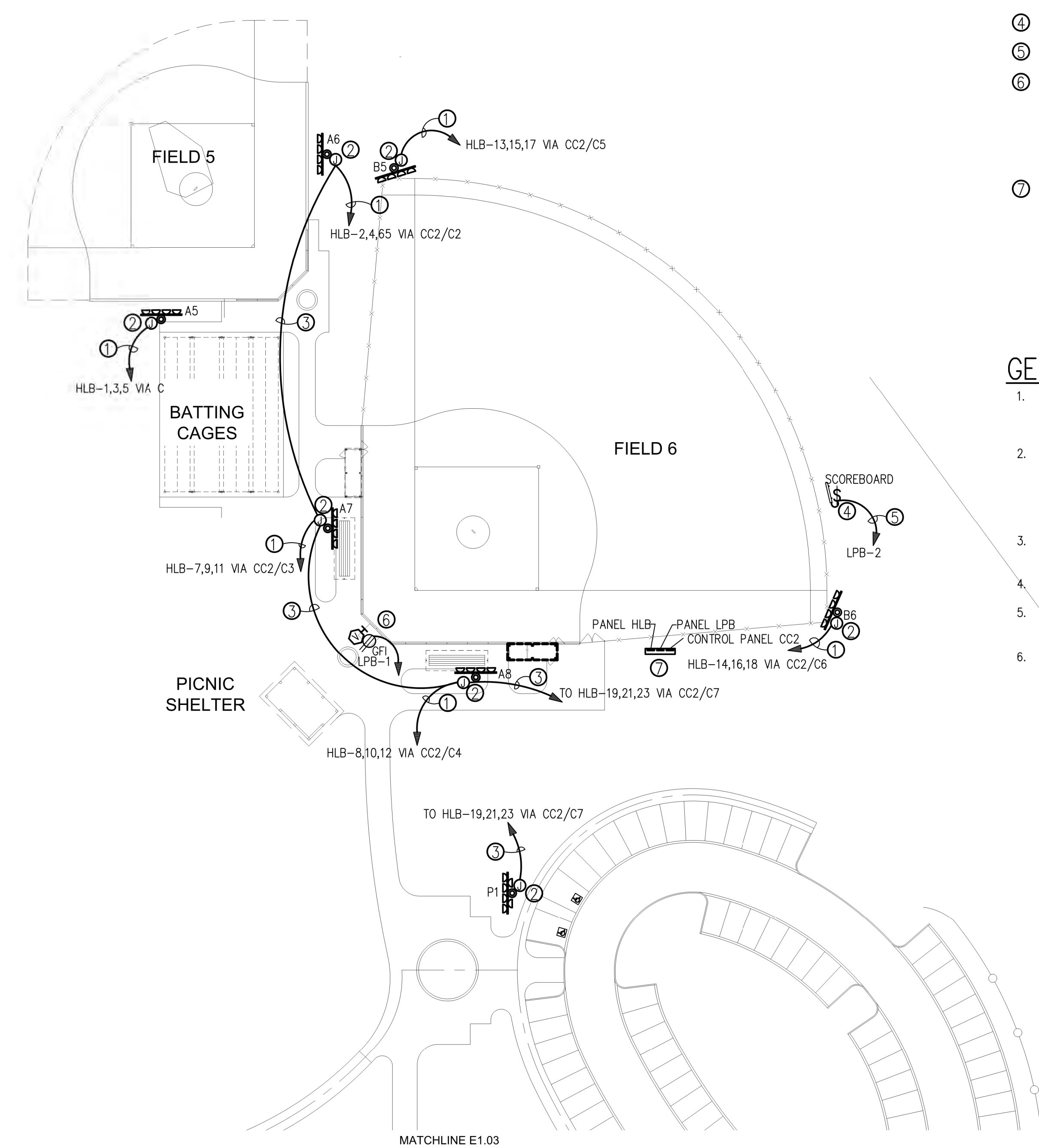
**Photometric Characteristics**

Projected lumen maintenance per IES TM-21-11	
L50 (13.5k)	>81,000 h
L60 (13.5k)	>81,000 h
L70 (13.5k)	>81,000 h
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
Lumens/l	156,100

Footnotes:  
1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.  
MKT-4488  
1500 LED Cover Illustration  
RWS  
© 2023 Misco Sports Lighting, LLC. TLC-LED-1500-010R-19 (28/11/2023)-0404-2  
www.misco.com | lighting@misco.com

The system will dramatically reduce carbon footprint, cutting energy consumption by up to 80 percent. And with the virtual elimination of glare and wasteful light spill into the surrounding area, neighbors will enjoy a welcomed curtain of darkness.



**ELECTRICAL FOR FIELDS 5 & 6**  
SCALE: 1" = 40 FT

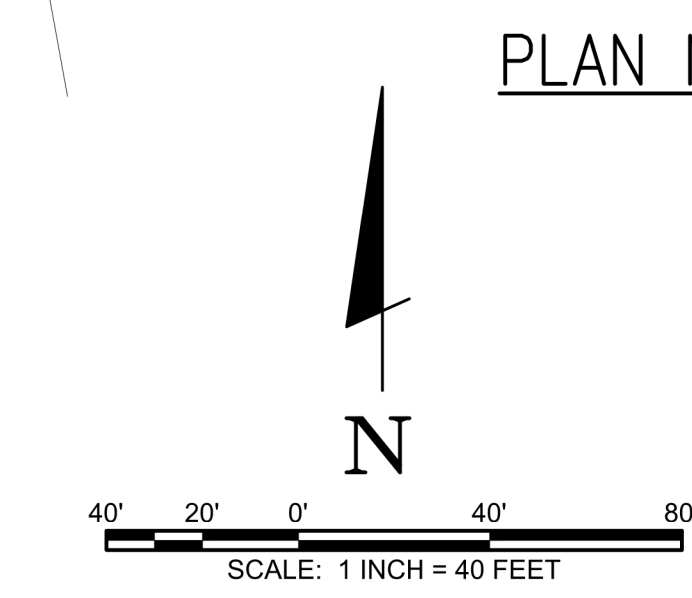
**PLAN NOTES (THIS SHEET)**

- THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4".
- PROVIDE 12"x12"x 18"D TIER 15 OPEN BOTTOM UNDERGROUND PULL BOX WITH "ELECTRIC" COVER AND STAINLESS STEEL PENTA HEAD BOLTS BY QUAZITE OR EQUAL. INSTALL ON 24"x24"x12"D GRAVEL BASE. RISE UP POLE TO CABINET ON POLE WITH SCH 80 PVC CONDUIT FOR EACH CIRCUIT.
- THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4". FOR SECURITY LIGHTING.
- PROVIDE SWITCH IN NEMA 4X ENCLOSURE FOR SIGN DISCONNECT.
- THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4".
- MOUNT RECEPTACLE IN 24" STAINLESS STEEL PEDESTAL WITH LOCKABLE COVER EQUAL TO PEDOC 5P24-SS-C-HT-1. MOUNT ON 24" DIAMETER X 24"D CONCRETE BASE. COORDINATE WITH INSTALLATION INSTRUCTIONS. RUN 1-1/4" SCH 40 PVC CONDUIT FROM LOW VOLTAGE SECTION TO ELECTRICAL ROOM IN CONCESSIONS BUILDING FOR FUTURE VIDEO RECORDING.. STUB UP CONDUIT 12" ON BOTH ENDS AND CAP.
- PROVIDE FREE STANDING NEMA 4X ENCLOSURE FOR ELECTRICAL PANELS AND LIGHTING CONTROL PANEL. APPROXIMATE DIMENSIONS ARE 90"H X 72"W X 12" DEEP. (CONTRACTOR TO VERIFY PRIOR TO ORDERING) WITH PROVISIONS FOR MOUNTING PANELS TO BACK WALL, TWO DOORS WITH THREE POINT LATCHING, AND DOOR HOLD-OPEN BRACKETS. PROVIDE 8" DEEP 3000 PSI REINFORCED CONCRETE MOUNTING PAD WITH 6" ABOVE GRADE AND EXTENDING 8" BEYOND ENCLOSURE ON ALL SIDES AND WITH 3/4" CHAMFER AROUND TOP EDGE. PROVIDE #3 REBAR 12" ON CENTER BOTH WAYS AT 4" DEPTH. FASTEN ENCLOSURE TO PAD WITH STAINLESS STEEL BOLTS.

**GENERAL NOTES**

- ALL ELECTRICAL CONDUIT AND WIRING TO BE ROUTING AROUND PLAYING FIELDS OUTSIDE OF FIELD FENCING. COORDINATE ROUTING WITH SITE UTILITIES AND LANDSCAPING.
- SPORTS LIGHTING POLES, LUMINAIRES, CROSSARMS, BRACKETS AND LIGHTING CONTROLS TO BE FURNISHED BY BAY COUNTY. CONTRACTOR TO COORDINATE DELIVERY AND INSTALL ALL EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS. SEE SUPPLEMENTARY DRAWINGS PROVIDED FOR INFORMATION.
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- SPLICES IN UNDERGROUND PULL BOXES SHALL BE WATER PROOF
- MINIMUM CONDUIT AND WIRING FOR EXTERIOR UNDERGROUND CIRCUITS SHALL BE 3/4" SCH 40 PVC AND 10 AWG THWN COPPER.
- PROVIDE EXPANSION COUPLING IN ALL ABOVE GRADE PVC CONDUIT STRAIGHT RUNS OVER 10 FEET IN LENGTH.

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**PLAN NOTES (THIS S**

480/277V, 3PH, 4W, 400 AMP MCB, SURFACE MT PANELBOARD, 84 CKT, XXXX MIN A.I.C.										
PANEL 'HLA'										
CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B C	TRIP	POLE	LOAD VA	SERVING	CKT
1	POLE A1, FIELD 1 CC1/C1	3030	20	3	A B C	20	3	3030	POLE A1, FIELD 2 CC1/C7	2
3		3030	-	-		-	-	3030		4
5		3030	-	-			3030		6	
7	POLE A2, FIELD 1 CC1/C2	3030	20	3	A B C	20	3	2160	POLE A2, FIELD 3 CC1/C13	8
9		3030	-	-		-	-	2160		10
11		3030	-	-			2160		12	
13	POLE B1, FIELD 1 CC1/C3	4390	30	3	A B C	30	3	4390	POLE B1, FIELD 2 CC1/C9	14
15		4390	-	-		-	-	4390		16
17		4390	-	-			4390		18	
19	POLE B2, FIELD 1 CC1/C4	4390	30	3	A B C	20	3	3550	POLE B2, FIELD 3 CC1/C15	20
21		4390	-	-		-	-	3550		22
23		4390	-	-			3550		24	
25	POLE C1, FIELD 1 CC1/C5	3030	20	3	A B C	20	3	3020	POLE C2, FIELD 1 CC1/C6	26
27		3030	-	-		-	-	3020		28
29		3030	-	-			3020		30	
31	POLE A3, FIELD 2 CC1/C8	3030	20	3	A B C	20	3	1800	POLE A3, FIELD 4 CC1/C19	32
33		3030	-	-		-	-	1800		34
35		3030	-	-			1800		36	
37	POLE B3, FIELD 2 CC1/C10	4390	30	3	A B C	20	3	2520	POLE B3, FIELD 4 CC1/C21	38
39		4390	-	-		-	-	2520		40
41		4390	-	-			2520		42	
43	POLE C3, FIELD 2 CC1/C11	3030	20	3	A B C	20	3	3030	POLE C4, FIELD 2 CC1/C12	44
45		3030	-	-		-	-	3030		46
47		3030	-	-			3030		48	
49	POLE A4, FIELD 3 CC1/C14	2520	20	3	A B C	20	3	1800	POLE A4, FIELD 4 CC1/C20	50
51		2520	-	-		-	-	1800		52
53		2520	-	-			1800		54	
55	POLE B4, FIELD 3 CC1/C16	3550	20	3	A B C	20	3	2520	POLE B4, FIELD 4 CC1/C22	56
57		3550	-	-		-	-	2520		58
59		3550	-	-			2520		60	
61	POLE C5, FIELD 3 CC1/C17	3030	20	3	A B C	20	3	3030	POLE C6, FIELD 3 CC1/C18	62
63		3030	-	-		-	-	3030		64
65		3030	-	-			3030		66	
67	POLE C7, FIELD 4 CC1/C23	1800	20	3	A B C	20	3	3830	SECURITY LIG CC1/C24	68
69		1800	-	-		-	-	3830		70
71		1800	-	-			3830		72	
73	X	X	20	1	A B C	20	1	X	X	74
75	X	X	20	1		-	-	X	X	76
77	X	X	20	1			X	X	78	
79	SPD		30	3	A B C	20	1	X	X	80
81						-	-	X	X	82
83							X	X	84	

CONNECTED LOADS: PHASE A = 73,910 VA  
PHASE B = 73,910 VA  
PHASE C = 73,910 VA  
TOTAL = 221,730 VA = 267 AMPS

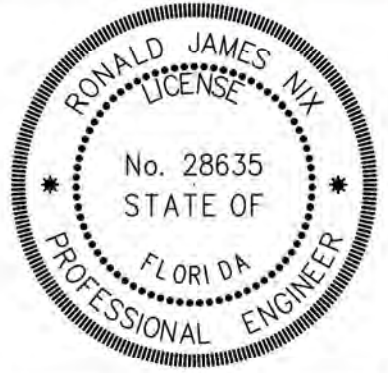
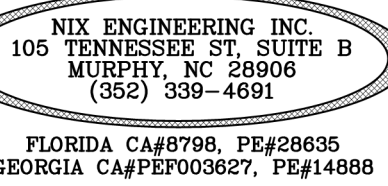
120/208V, 3PH, 4W, 400 AMP MCB, SURFACE MT PANELBOARD, 84 CKT, XXXX MIN A.I.C.										
PANEL 'LPA'										
CKT	SERVING	LOAD VA	TRIP	POLE	PHASE A B C	TRIP	POLE	LOAD VA	SERVING	CKT
1	FIELD 1 SCOREBOARD	250	20	1	A B C	20	1	250	FIELD 2 SCOREBOARD	2
3	FIELD 3 SCOREBOARD	250	20	1		-	-	250	FIELD 4 SCOREBOARD	4
5	FIELD 2 SCORERS TABLE PEDESTAL	400	20	1	A B C	20	1	400	FIELD 3 SCORERS TABLE PEDESTAL	6
7	FIELD 1 SCORERS TABLE PEDESTAL	400	20	1		-	-	400	FIELD 4 SCORERS TABLE PEDESTAL	8
9	S. ENTRY PEDESTAL	400	20	1	A B C	20	1	150	FLAG LIGHTS	10
11	E. ENTRY PEDESTAL	400	20	1		-	-	470	RECEPTS @ GAS EQUIP & FAN E20	12
13	N. ENTRY PEDESTAL	400	20	1	A B C	20	GF1	800	DRINK COOLER E7	14
15	REACH-IN REFRIG E3	780	20	GF1		-	-	400	SANDWICH/SALAD PREP REFRIG E21	16
17	REACH-IN FRZR E4	1440	20	GF1	A B C	20	1		SPARE	18
19	ICE MAKER E5	1430	20	GF1		-	-	1200	RECEPTS NE AND FLY FAN E20	20
21	HAND DRYER	1500	20	1	A B C	20	1	1500	SMALL APPLIANCE CKT	22
23	HAND DRYER	1500	20	1		-	-	1500	SMALL APPLIANCE CKT	24
25	HAND DRYER	1500	20	1	A B C	20	1	1500	SMALL APPLIANCE CKT	26
27	HAND DRYER	1500	20	1		-	-	1500	SMALL APPLIANCE CKT	28
29	HAND DRYER	1500	20	1	A B C	20	GF1	720	RECEPTS SE	30
31	HAND DRYER	1500	20	1		-	-	720	RECEPTS KIT & RRMS	32
33	LIGHTNING PROTECTION SYSTEM	400	20	1	A B C	20	GF1	720	RECEPTS NE	34
35	RRM PLUMBING VALVES	400	20	1		-	-	1000	EWG	36
37	DUGOUTS FIELDS 1 & 2	1200	20	1	A B C	20	GF1	720	RECEPTS SE	38
39	DUGOUTS FIELDS 3 & 4	1200	20	1		-	-	990	INTERIOR LTS	40
41	HOOD LTS & CONTROLS	1200	20	1	A B C	20	1	660	EXTERIOR LTS	42
43	HOOD EF	300	20	3		-	-	400	EF-2	44
45		300	-	-	A B C	40	2	3000	GRIDLE	46
47		300	-	-		-	-	3000		48
49	HOOD SUPPLY	2200	35	3	A B C	20	GF1	1770	HEATED DISPLAY CASE E19	50
51		2200	-	-		-	-	400	TBB-A	52
53		2200	-	-	A B C	20	1	X	X	54
55	FRYER 1	4670	50	3		-	-	650	PANEL LPB	56
57		4670	SHUNT	TRIP	A B C			1800		58
59		4670	-	-		-	-	1800		60
61	FRYER 2	4670	50	3	A B C	100	3	2760	PANEL LPM	62
63		4670	SHUNT	TRIP		-	-	2760		64
65		4670	-	-	A B C			1760		66
67	X	X	20	1		-	-	X	X	68
69	X	X	20	1	A B C	20	1	X	X	70
71	X	X	20	1		-	-	X	X	72
73	X	X	20	1	A B C	20	1	X	X	74
75	X	X	20	1		-	-	X	X	76
77	X	X	20	1	A B C	20	1	X	X	78
79	SPD		30	1		-	-	X	X	80
81			-	-	A B C	20	1	X	X	82
83			-	-		-	-	X	X	84

CONNECTED LOADS: PHASE A = 29,490 VA  
PHASE B = 30,940 VA  
PHASE C = 29,990 VA  
TOTAL = 90,420 VA = 251.2 AMPS

1 PROVIDE CIRCUIT BREAKER LOCK-OFF DEVICE  
2 CONNECT TO HOOD CONTROL PANEL TO TRIP WHEN HOOD SUPPRESSION SYSTEM IS ACTIVATED

HARD COPIES OF THIS DRAWING CANNOT BE VERIFIED AS OFFICIALLY SIGNED AND SEALED, ONLY DIGITALLY VERIFIABLE FILES CAN BE USED AS OFFICIAL DOCUMENTS.

**Ronald J Nix**  
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Date: 2023.08.24 17:28:23 -04'00'

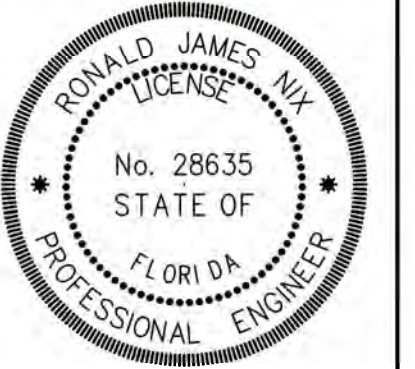


PANEL SCHEDULES  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV.	BY	CHK.	DATE	DESCRIPTION
0	R/N	N/N	12/03/2021	80% REVIEW
1	R/N	N/N	06/20/2022	100% REVIEW
2	R/N	N/N	07/19/2022	PERMIT DOCUMENTS
3	R/N	N/N	08/21/2023	ISS SUBMITTAL

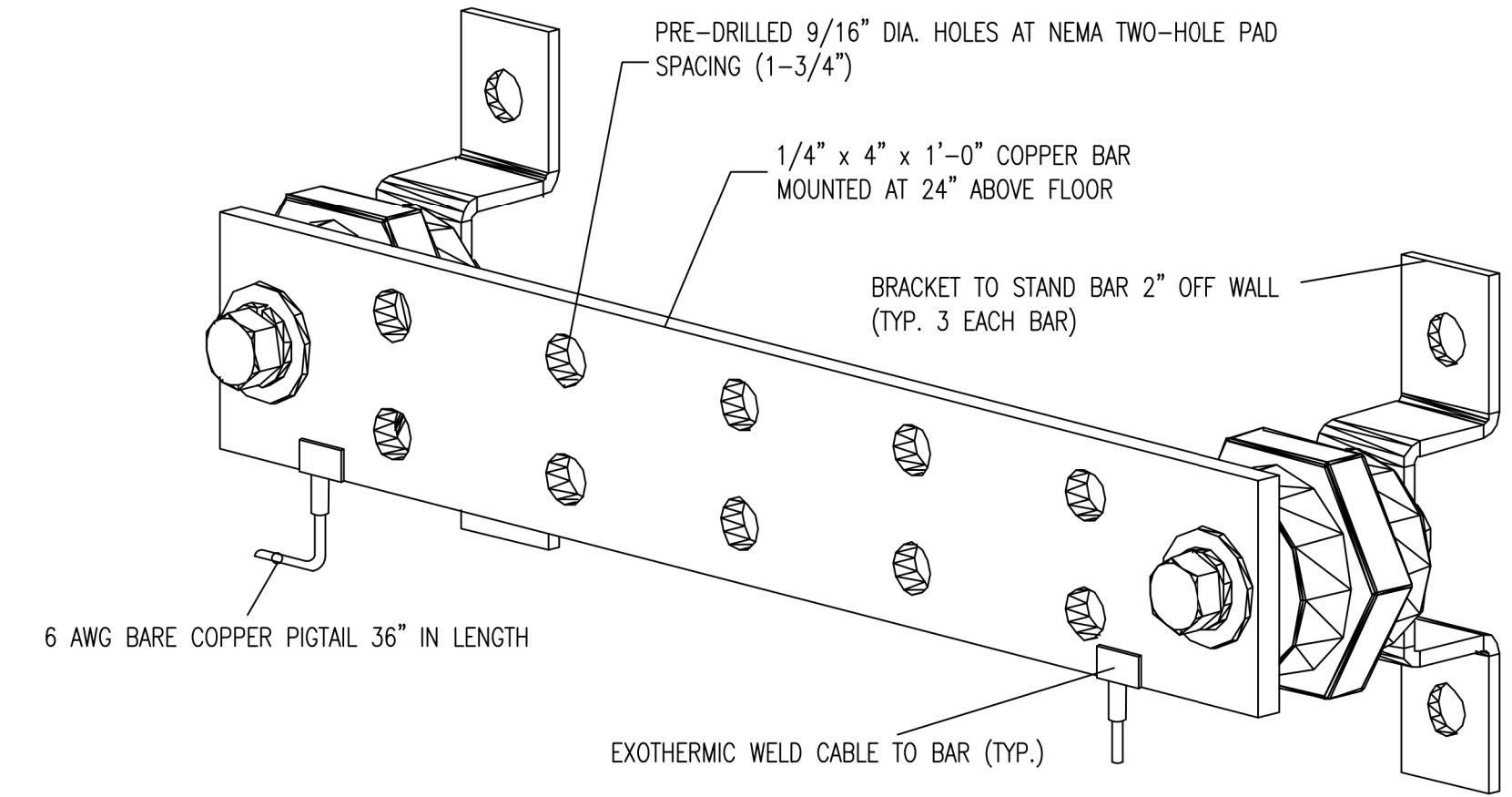
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37237-01

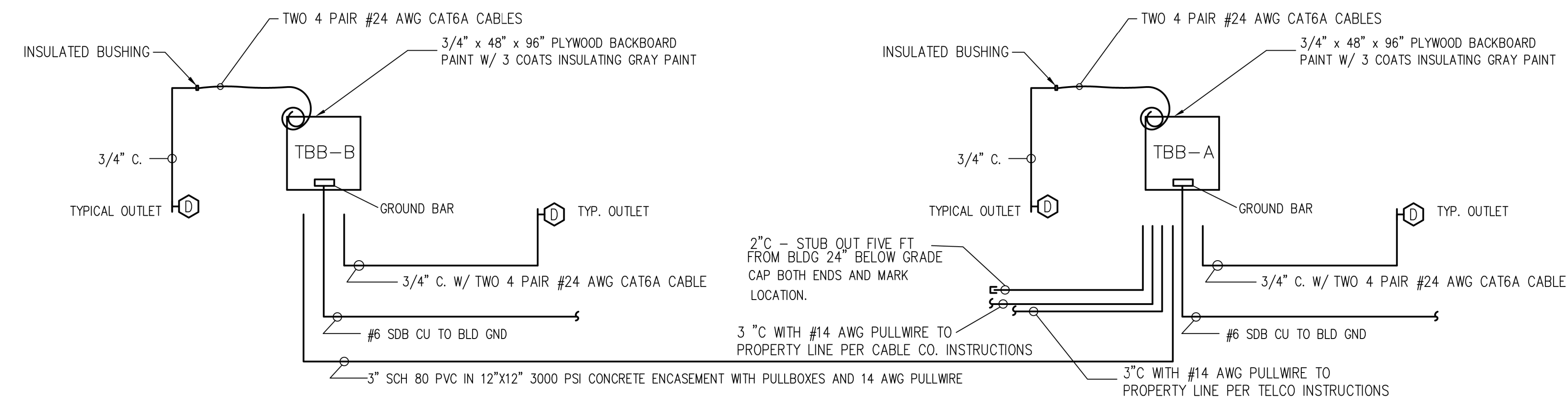


DATA/COM RISER, ELECTRICAL LEGEND

SITE IMPROVEMENTS FOR SOUTHPORT SPORTS COMPLEX SOUTHPORT, FL



TYPICAL GROUND BAR DETAIL



DATA/COMM/TV RISER  
NO SCALE

ELECTRICAL LEGEND

- Ⓢ A.C. TOGGLE SWITCH, SINGLE POLE, 120-277VAC, 20A. SPECIFICATION GRADE, 48" AFF
- Ⓜw MOTOR RATED TOGGLE SWITCH. MOUNT ADJACENT TO MOTOR.
- ⓈK KEY OPERATED A.C. TOGGLE SWITCH, AS ABOVE
- Ⓢc LOW VOLTAGE SWITCH. SEE PLANS. 48" AFF.
- ⓈD DUPLEX RECEPTACLE - 3 WIRE GROUNDING TYPE, 125V., 15A. OR 20A. AS REQUIRED, SPECIFICATION GRADE, 18" AFF
- ⓈD DUPLEX RECEPTACLE AS ABOVE, MOUNT HORIZONTALLY 4" ABOVE COUNTER BACKSPASH TO CENTER LINE
- ⓈDf DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
- ⓈS SINGLE RECEPTACLE, 3W GROUNDING TYPE, 125V., 20A. SPECIFICATION GRADE, COORDINATE MOUNTING HEIGHT WITH EQUIPMENT
- ⓈQ QUAD RECEPTACLE- TWO DUPLEX RECEPTACLES UNDER ONE COVER
- ⓈE SPECIAL RECEPTACLE OR EQUIPMENT CONNECTION, COORDINATE WITH EQUIPMENT SUPPLIED
- ⓈT TELEPHONE OUTLET, 4" SQ BOX WITH PLASTER RING, DUPLEX RJ-11 JACK, & COVER, 18" AFF OR AS NOTED, PREWIRE TO TBB.
- BRANCH CIRCUIT CONCEALED ABOVE CEILING OR IN WALLS, NUMBER OF CROSS LINES INDICATES NUMBER OF #12 CONDUCTORS WHEN MORE THAN TWO. ARROW INDICATES HOMERUN TO PANEL AND CIRCUIT INDICATED.
- BRANCH CIRCUIT CONCEALED IN SLAB OR BELOW SLAB ON GRADE.
- DISCONNECT SWITCH, SIZE AND ENCLOSURE TYPE SHOWN.
- ⓈH DATA/COM SYSTEMS OUTLET. PROVIDE DUPLEX CAT 6 JACK & TWO FOUR PAIR #24 AWG UTP CAT 6 CABLES IN 3/4" CONDUIT TO TBB. MT 18" AFF. TERMINATE, TEST, & CERTIFY CABLES.
- POWER PANEL
- ⓈTC TIME CLOCK, SEE PLANS
- TELEPHONE BACKBOARD, SEE RISER DIAGRAM
- ⓈJ JUNCTION BOX SIZED PER NEC WITH FLEXIBLE EQUIPMENT CONNECTION
- ⓈM MOTOR, HORSEPOWER INDICATED BY NUMBER INSIDE OR AS SCHEDULED.
- ⓈG GROUND AS REQUIRED BY NEC & LOCAL CODES & AS INDICATED AS A MINIMUM
- ⓈA LED LIGHT FIXTURE. CAPITAL LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE).
- ⓈC CEILING MOUNTED LIGHT FIXTURE
- ⓈW WALL MOUNTED LIGHT FIXTURE
- TBB - TELEPHONE BACKBOARD
- WP - WEATHERPROOF
- AFF - ABOVE FINISHED FLOOR
- AFG - ABOVE FINISHED GRADE
- NEC - NATIONAL ELECTRICAL CODE
- SPD - SURGE PROTECTIVE DEVICE

Ronald J Nix  
Digitally signed by Ronald J Nix  
Date: 2023.08.24 17:27:51 -04'00'

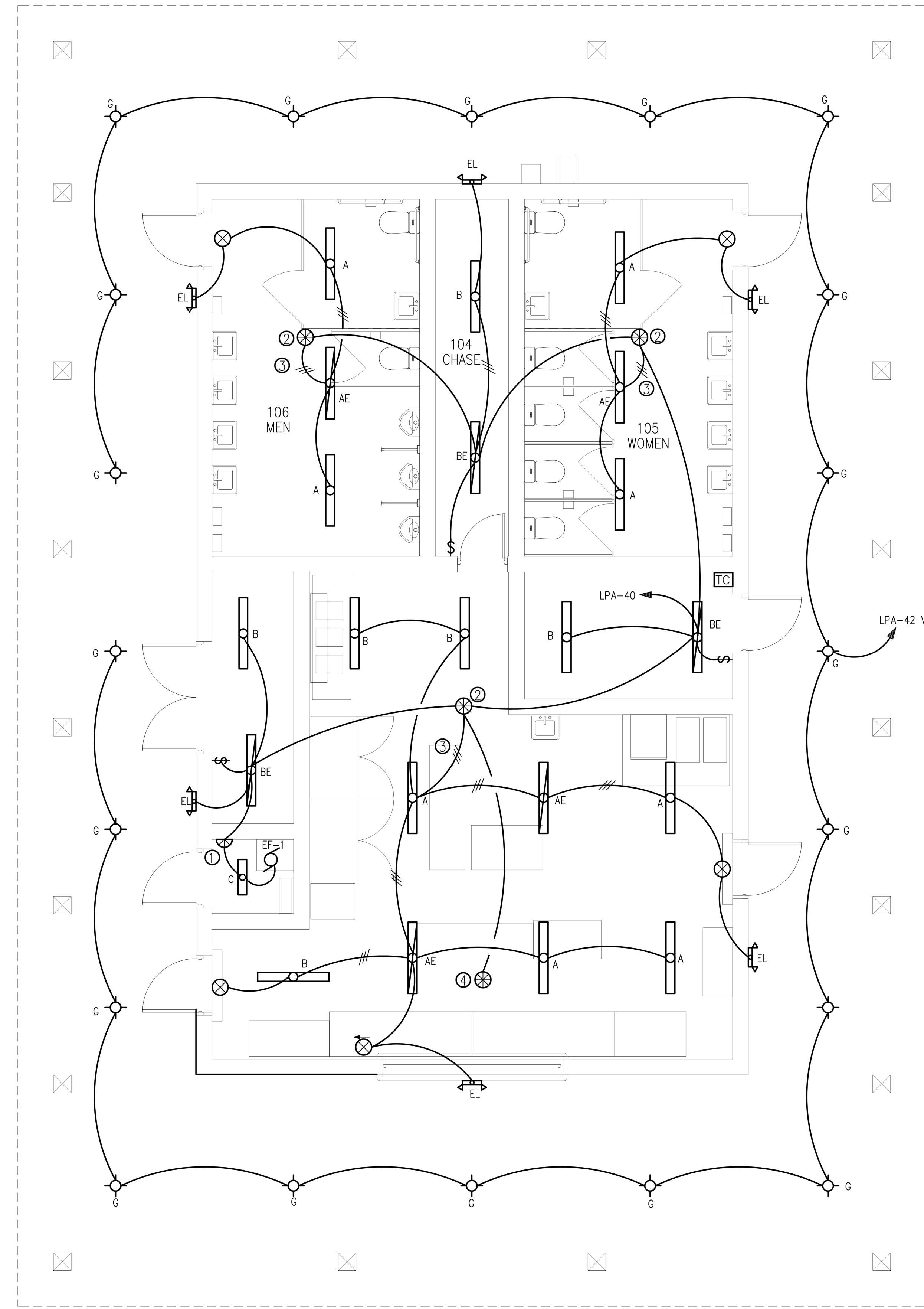
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REV.	DR.	CHK.	DATE	DESCRIPTION
0	RUN	NIX	12/03/2021	20% REVIEW
1	RUN	NIX	06/20/2022	100% REVIEW
2	RUN	NIX	07/18/2022	ISSUE DOCUMENTS
3	RUN	NIX	08/10/2023	ISSUE SUBMITTAL

E1.06  
37237-01

### PLAN NOTES (THIS SHEET)

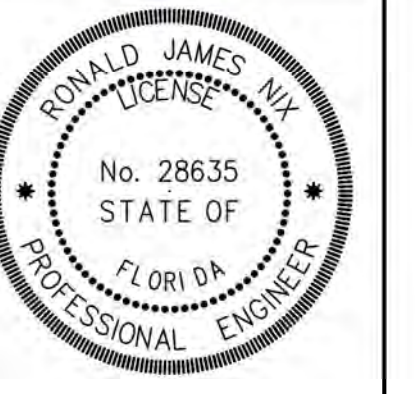
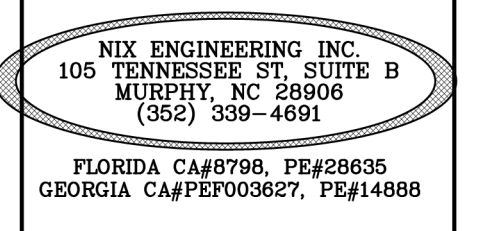
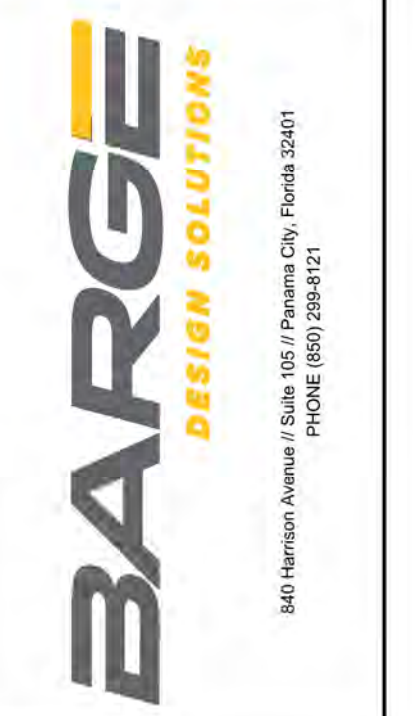
- ① OCCUPANCY SENSOR EQUAL TO STEINEL DT-WLS-1-W-U22, WALL MOUNT DUAL TECHNOLOGY.
- ② OCCUPANCY SENSOR EQUAL TO STEINEL DT-QUATTROCOM-24-U22 WITH TR200 POWER PACK WIRE TO TURN ON AND OFF AUTOMATICALLY.
- ③ BYPASS LIGHTING CONTROLS WITH UNSWITCHED LEG FOR EMERGENCY LIGHTING
- ④ OCCUPANCY SENSOR SLAVE EQUAL TO STEINEL DT-QUATTROCOM-24-U22
- ⑤ SEE SHEET E1.03 NOTE 16.



**CONCESSIONS BUILDING LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"

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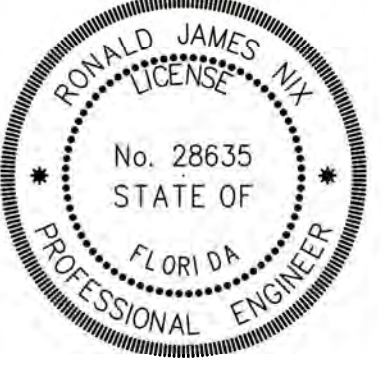
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Digitally signed by Ronald J Nix  
Date: 2023.08.24 17:32:41 -04'00'



**CONCESSIONS BUILDING LIGHTING PLAN**  
**SITE IMPROVEMENTS FOR**  
**SOUTHPORT SPORTS COMPLEX**  
 SOUTHPORT, FL

REV.	CHK.	DATE	DESCRIPTION
0	RJN	12/03/2021	30% REVIEW
1	RJN	07/19/2022	PERMIT DOCUMENTS
2	RJN	05/31/2023	DO SUBMITTAL
3			

**E2.01**  
37237-01



**Ronald J Nix**  
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Date: 2023.08.24 17:32:10 -04'00'

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CONCESSIONS BUILDING POWER PLAN  
SITE IMPROVEMENTS FOR  
SOUTHPORT SPORTS COMPLEX  
SOUTHPORT, FL

REV	DATE	DESCRIPTION
0	12/03/2021	50% REVIEW
1	06/20/2022	100% REVIEW
2	07/22/2022	ISSUE DOCUMENTS
3	08/10/2023	ISSUE SUBMITTAL

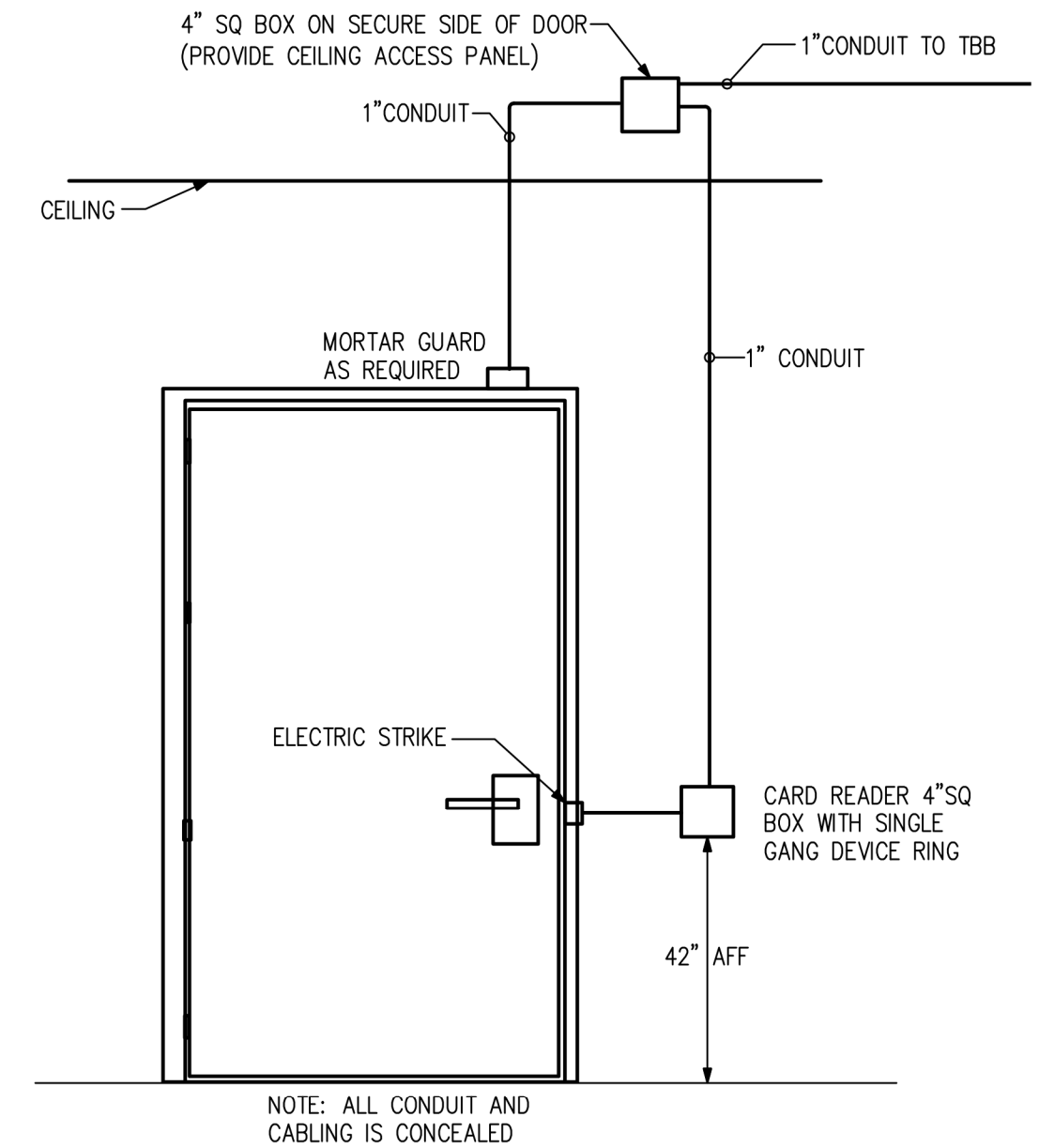
**E2.02**  
37237-01

**PLAN NOTES (THIS SHEET)**

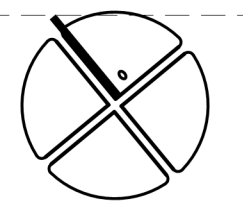
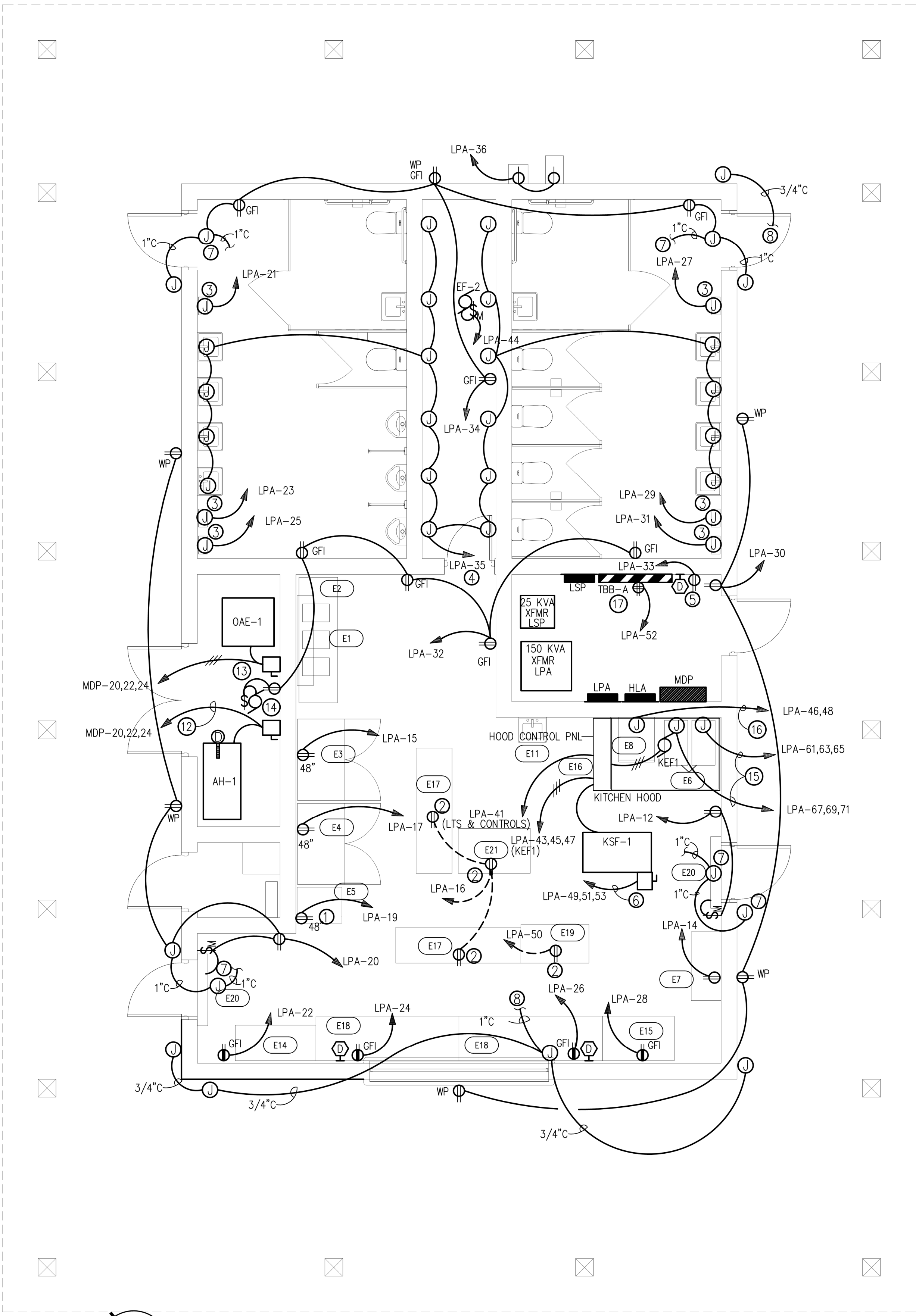
- PROVIDE CORD, CORD CAP, CORD CONNECTOR AND MATCHING RECEPTACLE FOR ICE MAKER.
- PROVIDE 3/4" RGS COUPLING FLUSH WITH FLOOR. INSTALL HORIZONTAL FS BOX WITH 3/4"X CLOSE NIPPLE TO COUPLING. PROVIDE MARINE GRADE WEATHER PROOF WHILE IN USE COVER.
- HAND DRYER - MOUNT 45" AFF TO BOTTOM OF DRYER IN MEN'S ROOM AND 43" AFF TO BOTTOM OF DRYER IN WOMEN'S ROOM. PROVIDE CIRCUIT BREAKER LOCK-OFF DEVICE FOR DISCONNECT. COORDINATE CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
- PROVIDE POWER TO ELECTRONIC VALVES TRANSFORMER FURNISHED WITH VALVE. INSTALL VALVE TRANSFORMER IN 6"x6"x4" JUNCTION BOX AND CONNECT LOW VOLTAGE TO VALVE. COORDINATE JUNCTION BOX LOCATION AND ACCESS WITH PLUMBING.
- FOR LIGHTNING PROTECTION SYSTEM, BASIS OF DESIGN: CONTRACTOR TO COORDINATE INSTALLATION WITH JULIAN SMITH: 571-241-3636; JSMITH@EARTHNETWORKS.COM. CONTRACTOR TO PAY THE FIRST YEAR INSTALLATION AND MAINTENANCE FEE OF \$2,000 AND COORDINATE THE CONTRACT BETWEEN BAY COUNTY AND EARTH NETWORKS. EQUAL LIGHTNING PROTECTION SYSTEMS BY OTHER MANUFACTURERS WILL BE ALLOWED.
- FOUR 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4"C. PROVIDE 60A/3P NEMA 4X DISCONNECT AND CONNECT SUPPLY FAN SYSTEM. CONTROLS BY OTHERS.
- TO TBB FOR ACCESS CONTROLS. COORDINATE WITH ACCESS CONTROLS CONTRACTOR. LOCATE JUNCTION BOXES FOR ACCESS CONTROL COMPONENTS. SEE DETAIL THIS SHEET.
- TO TBB FOR CCTV. COORDINATE WITH CCTV SYSTEM CONTRACTOR. LOCATE JUNCTION BOXES FOR CAMERAS.
- PROVIDE 30A/3P, 600V, NEMA 4X DISCONNECT AND CONNECT UNIT.
- MOUNT DISCONNECT TO 6"x6"x72" PRESSURE TREATED POST WITH 36" BELOW GRADE.
- THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4"C. PROVIDE 30A/3P, 600V, NEMA 4X DISCONNECT AND CONNECT UNIT.
- THREE 10 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4"C. PROVIDE 30A/3P, 600V DISCONNECT AND CONNECT UNIT.
- PROVIDE 30A/3P, 600V DISCONNECT AND CONNECT UNIT.
- MOTORIZED DAMPER. PROVIDE TOGGLE SWITCH ADJACENT TO MOTOR FOR DISCONNECT.
- THREE 6 AWG THWN CU AND ONE 10 AWG CU GND IN 1"C. PROVIDE FLUSH MOUNT BOX WITH WEATHERPROOF STAINLESS STEEL COVER. MAKE CONNECTION TO FRYER WITH LFMC.
- TWO 8 AWG THWN CU AND ONE 10 AWG CU GND IN 3/4"C. PROVIDE FLUSH MOUNT BOX WITH WEATHERPROOF STAINLESS STEEL COVER. MAKE CONNECTION TO GRIDDLE WITH LFMC.
- PROVIDE WALL MOUNTED DATA EQUIPMENT RACK WITH CABLE MANAGEMENT AND 48 PORT CAT 6 PATCH PANEL.
- THREE 6 AWG THWN CU AND ONE 10 AWG CU GND IN 1"C. PROVIDE 60A/3P, 600V DISCONNECT AND CONNECT INSTANTANEOUS WATER HEATER.

**GENERAL NOTES**

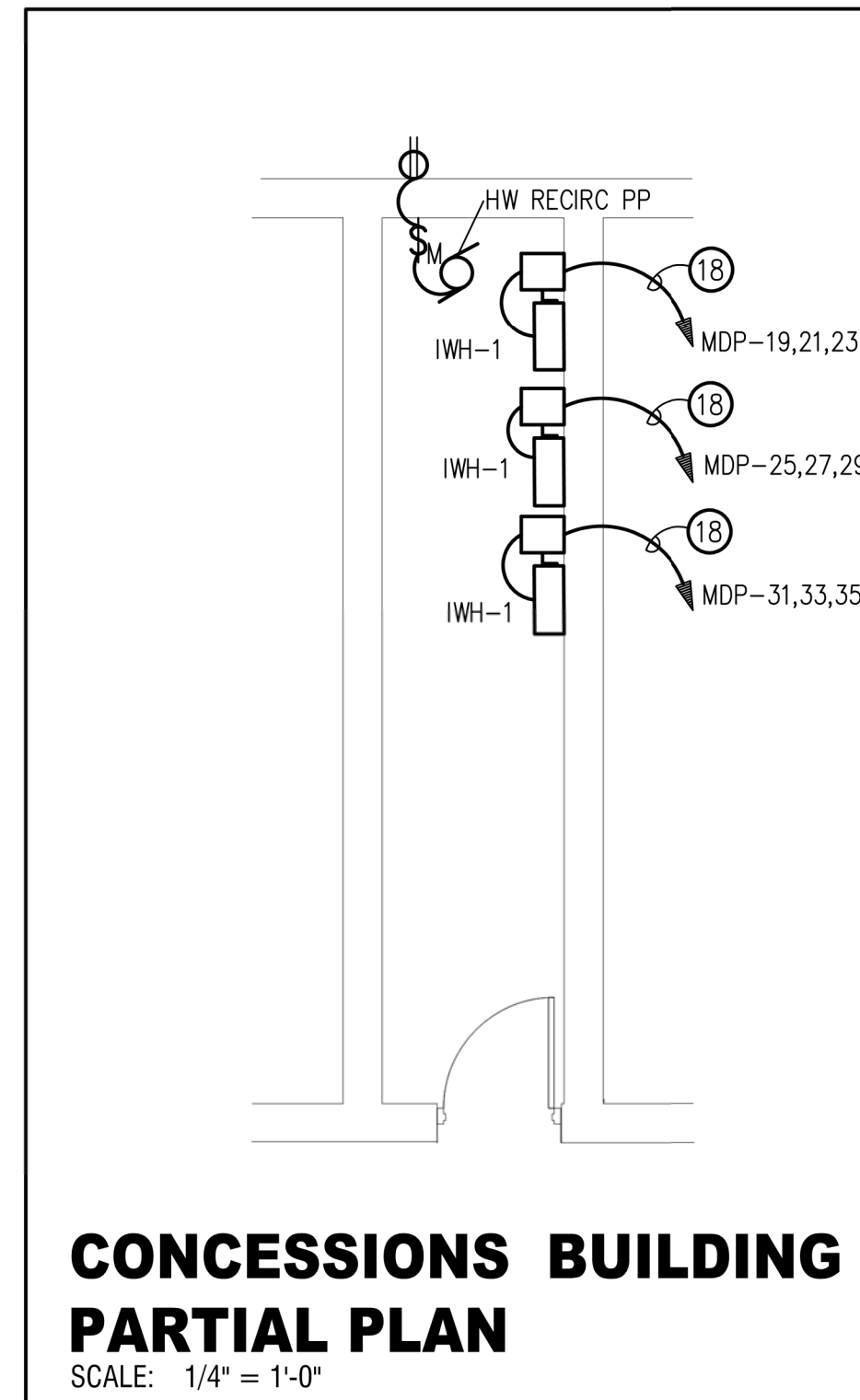
- ACCESS CONTROLS AND CCTV SYSTEMS WILL BE PROVIDED UNDER A SEPARATE CONTRACT.



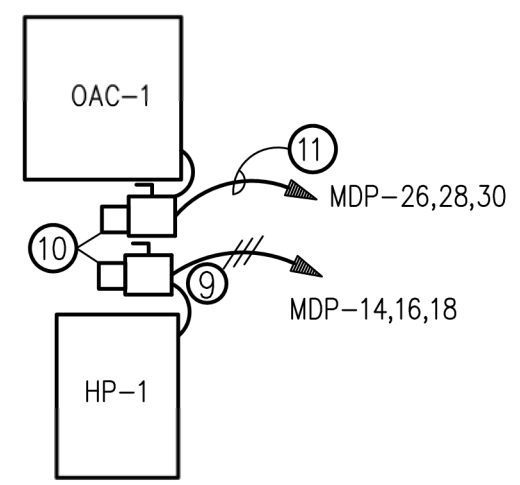
ACCESS CONTROL - ELECTRIC STRIKE WITH READER

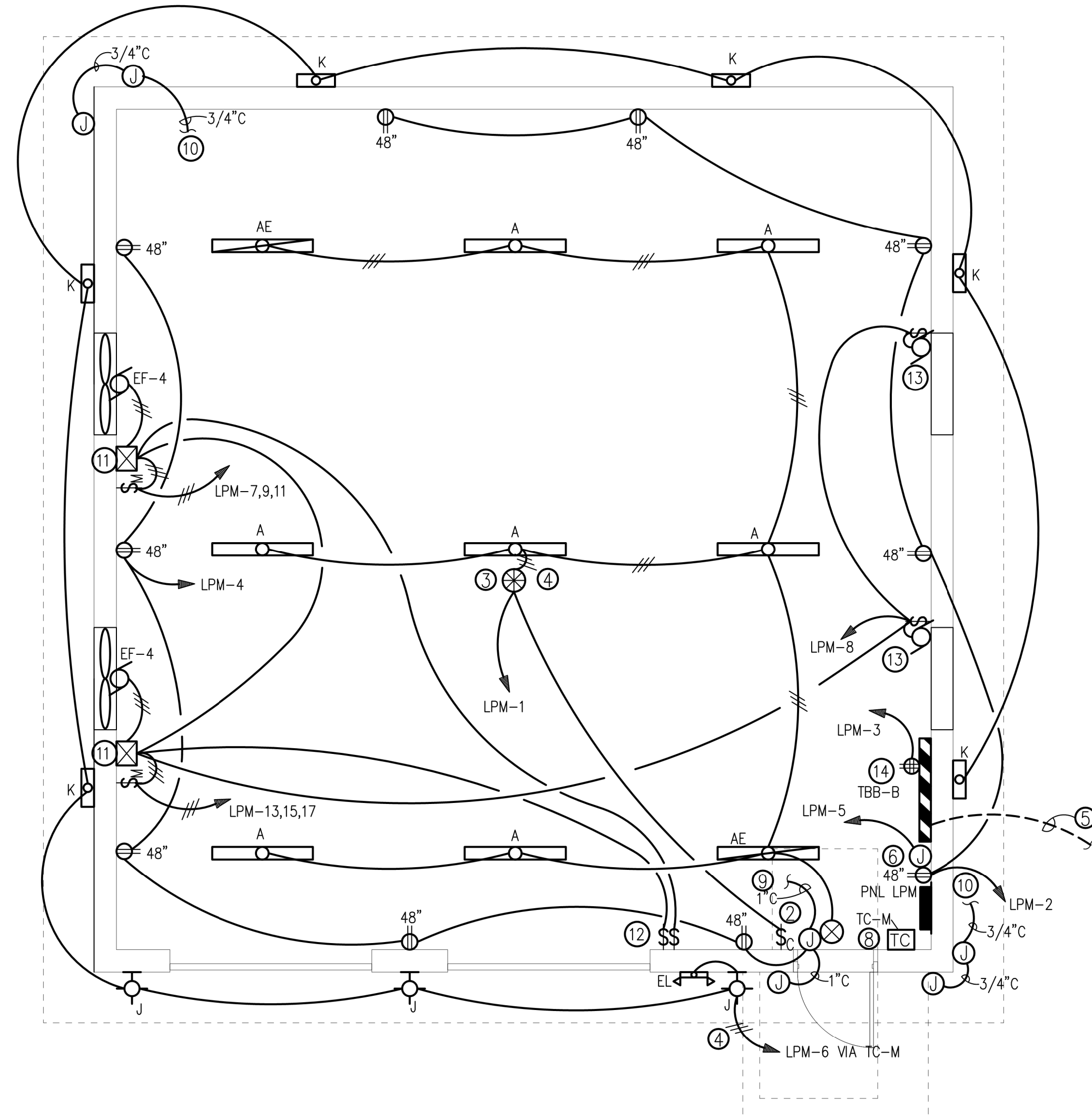


**CONCESSIONS BUILDING POWER PLAN**  
SCALE: 1/4" = 1'-0"

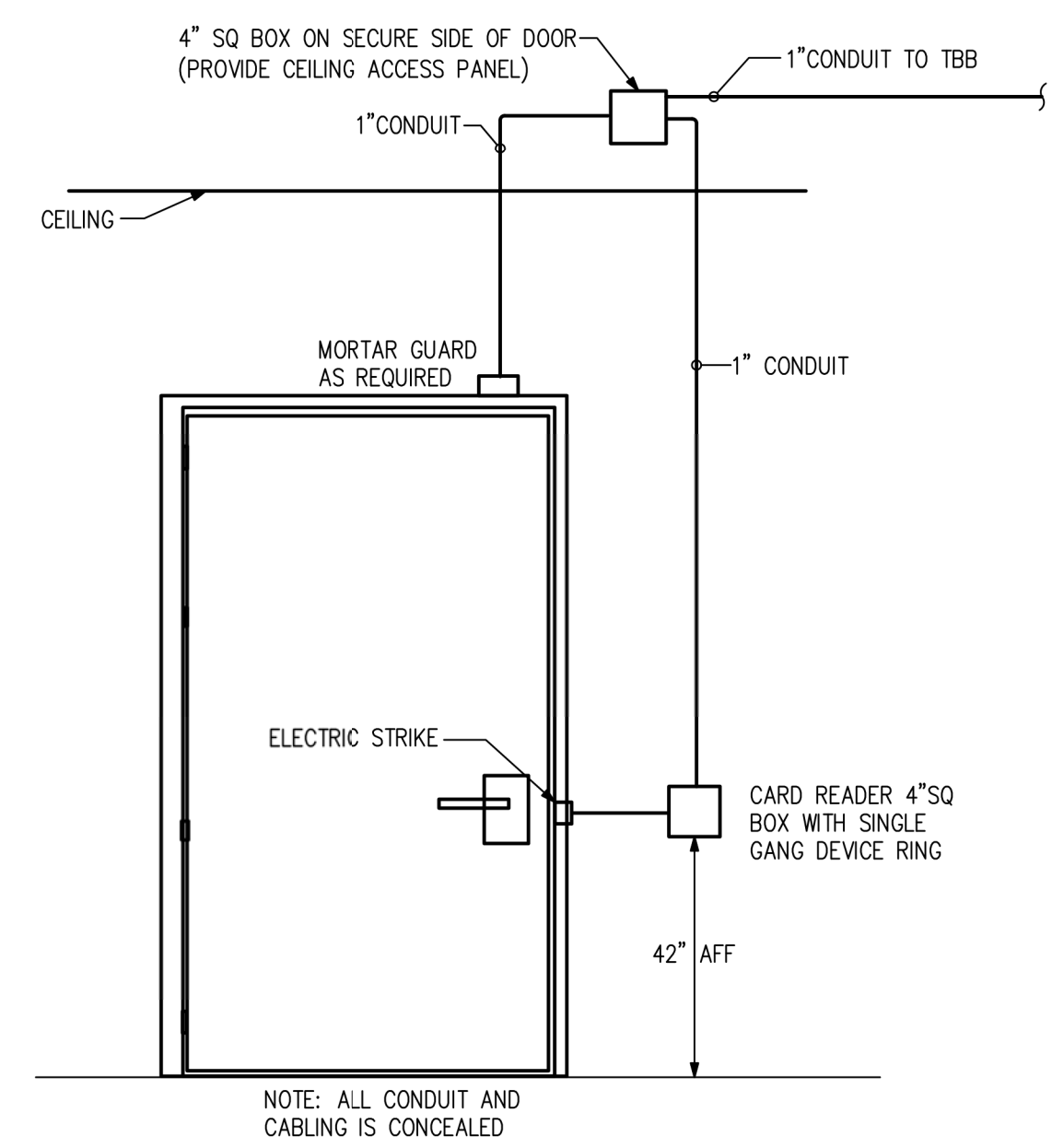


**CONCESSIONS BUILDING PARTIAL PLAN**  
SCALE: 1/4" = 1'-0"

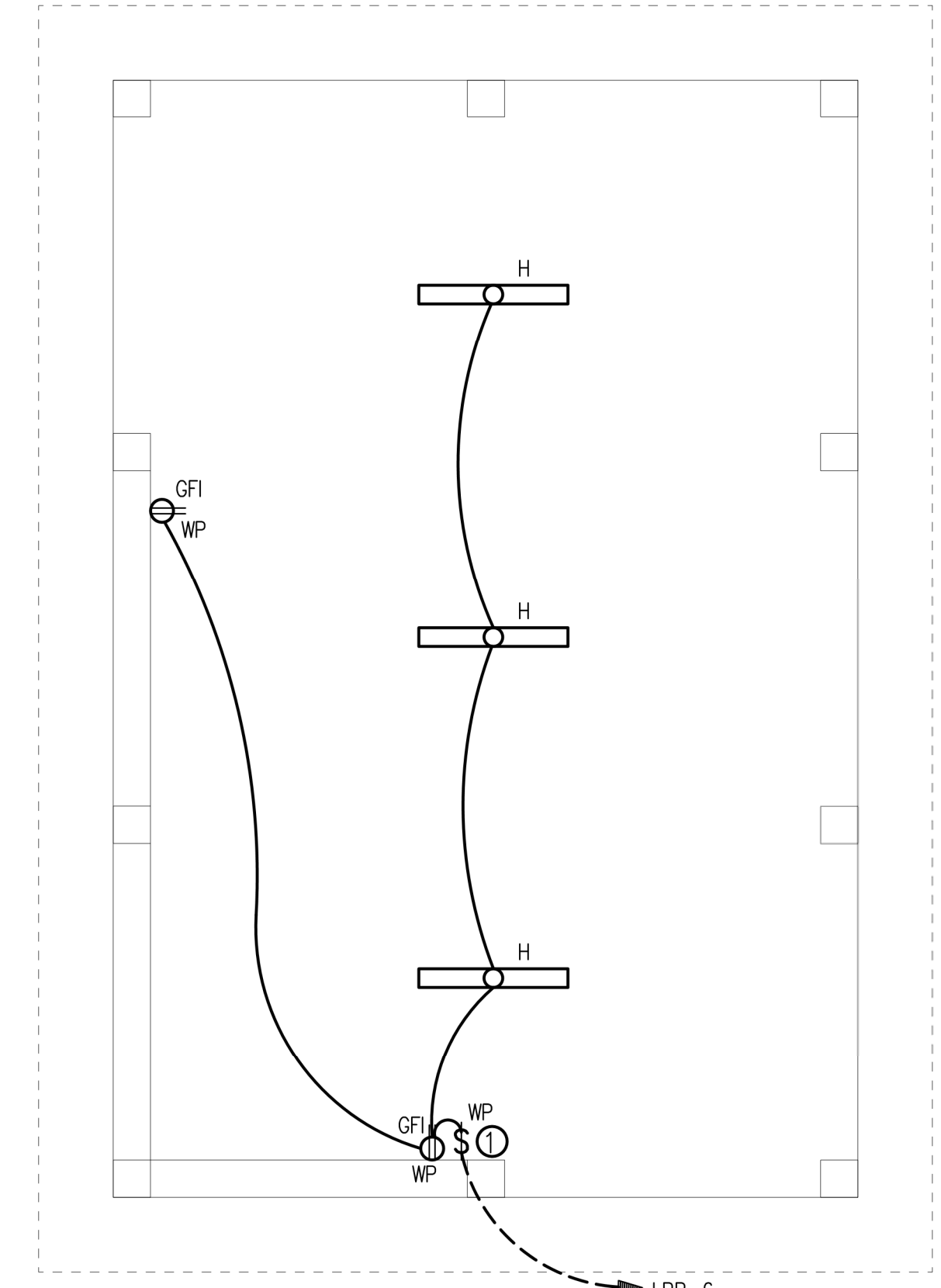




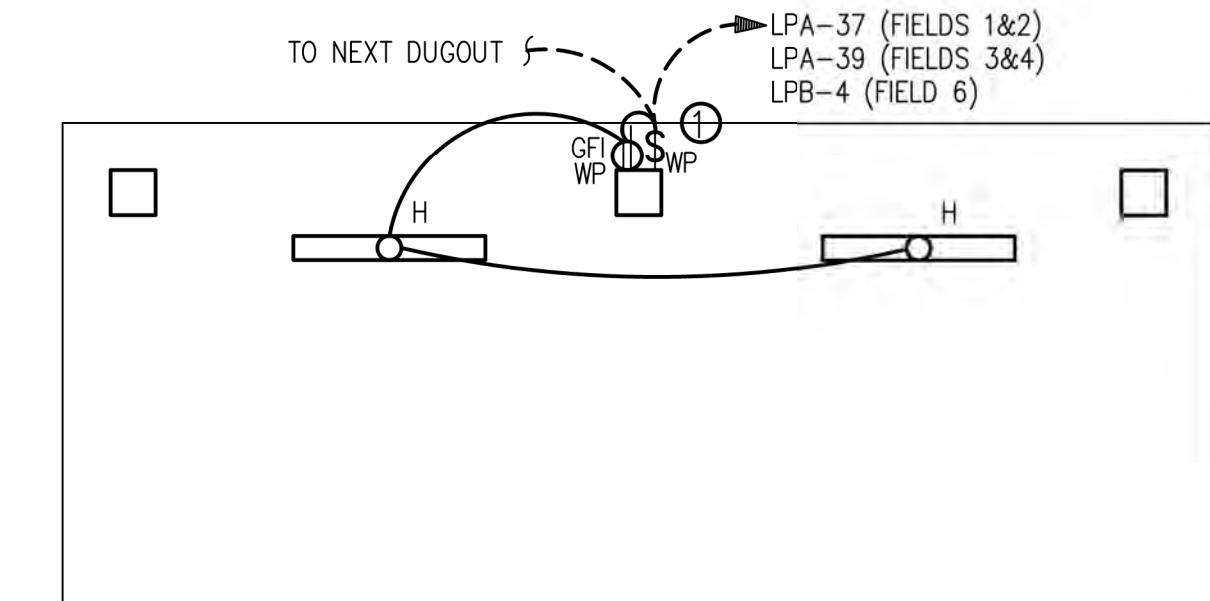
**MAINTENANCE BUILDING ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**ACCESS CONTROL - ELECTRIC STRIKE WITH READER**  
NO SCALE



**PAVILION ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



**DUGOUT ELECTRICAL PLAN (TYP)**  
SCALE: 1/4" = 1'-0"

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**Ronald J Nix**  
Digitally signed by Ronald J Nix  
Date: 2023.08.24 17:31:38 -04'00'

**PLAN NOTES (THIS SHEET)**

- ① PROVIDE 20 AMP TOGGLE SWITCH IN NEMA 4X ENCLOSURE FOR DISCONNECT. MINIMUM CONDUIT AND WIRING TO BE 10 AWG CU IN 3/4" SCH 40 PVC BELOW GRADE AND SCH 80 ABOVE GRADE. ALL EXPOSED PVC RUNS OVER 10 FT SHALL HAVE EXPANSION COUPLINGS PER MANUFACTURER'S INSTRUCTIONS.
- ② LOW VOLTAGE SWITCH EQUAL TO STEINEL LV-1-LED-U22
- ③ OCCUPANCY SENSOR EQUAL TO STEINEL DT-QUATTROCOM-24-U22 WITH TR200 POWER PACK. WIRE TO TURN ON MANUALLY AND TURN OFF AUTOMATICALLY.
- ④ BYPASS LIGHTING CONTROLS WITH UNSWITCHED LEG FOR EMERGENCY LIGHTING.
- ⑤ 3" SCH 80 PVC CONDUIT WITH 14 AWG PULLWIRE TO BACKBOARD TBB-A IN CONCESSIONS BUILDING. PROVIDE 12" X 12" CONCRETE ENCASEMENT.
- ⑥ LOCATE FOR IRRIGATION CONTROLLER. COORDINATE LOCATION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
- ⑦ TWO 6 AWG THWN CU AN DONE 6 AWG CU GND IN 1" C. PROVIDE 20A/2P TOGGLE SWITCH IN NEMA 4X ENCLOSURE FOR DISCONNECT. CONDUIT TO BE SCH 40 PVC BELOW GRADE AND SCH 80 ABOVE GRADE. ALL EXPOSED PVC RUNS OVER 10 FT SHALL HAVE EXPANSION COUPLINGS PER MANUFACTURER'S INSTRUCTIONS.
- ⑧ PROVIDE SINGLE CIRCUIT ASTRONOMIC DIGITAL 365 DAY PROGRAMMABLE TIME CLOCK WITH POWER RESERVE.
- ⑨ TO TBB FOR ACCESS CONTROLS. LOCATE JUNCTION BOXES FOR ACCESS CONTROLS COMPONENTS. COORDINATE WITH ACCESS CONTROLS CONTRACTOR.
- ⑩ TO TBB FOR CCTV. LOCATE JUNCTION BOXES FOR CCTV CAMERAS. COORDINATE WITH CCTV SYSTEM CONTRACTOR.
- ⑪ PROVIDE NEMA SIZE 0 MAGNETIC MOTOR STARTER WITH OVERLOAD RELAY, THERMAL UNITS, 120V COIL, 120V CONTROL POWER TRANSFORMER, AND TWO AUXILIARY CONTACTS. PROVIDE MOTOR RATED TOGGLE SWITCH W/O OVERLOAD PROTECTION ADJACENT TO MOTOR STARTER FOR DISCONNECT.
- ⑫ COORDINATE LOCATION OF FAN CONTROL SWITCHES WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- ⑬ MOTORIZED LOUVER. PROVIDE MOTOR RATED TOGGLE SWITCH ADJACENT TO MOTOR FOR DISCONNECT. INTERLOCK WITH EF-4 FANS SO THAT BOTH LOUVERS OPEN WHEN EITHER FAN IS RUNNING.
- ⑭ PROVIDE WALL MOUNTED DATA EQUIPMENT RACK WITH CABLE MANAGEMENT AND 48 PORT CAT 6 PATCH PANEL.

**GENERAL NOTES**

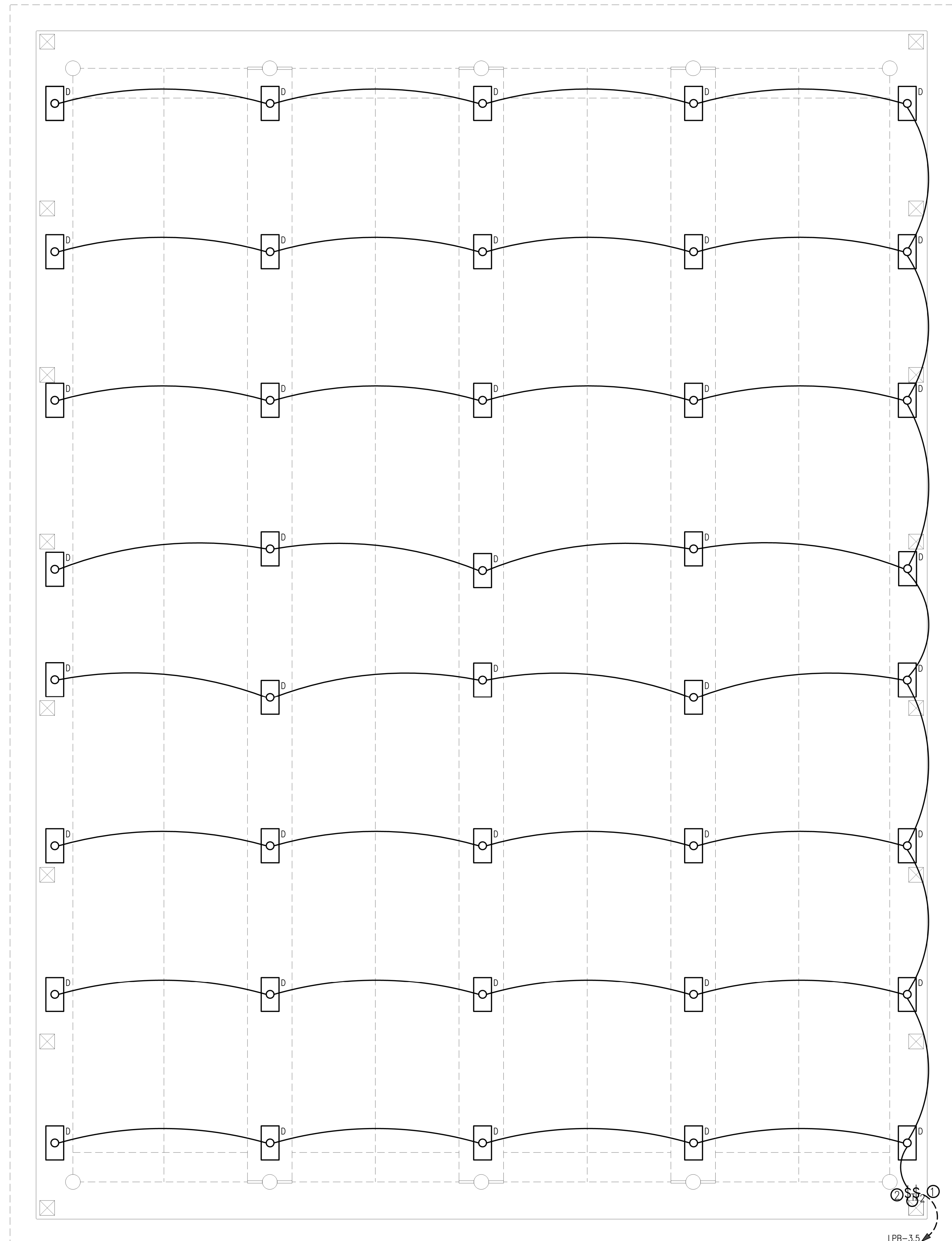
1. ACCESS CONTROLS AND CCTV SYSTEMS WILL BE PROVIDED UNDER A SEPARATE CONTRACT.

LIGHTING FIXTURE SCHEDULE (BASIS OF DESIGN)						
TYPE	MANUFACTURER	CATALOG No.	LAMPS		MOUNTING	REMARKS
			No.	TYPE		
A	LSI LIGHTING	EG3-113768-4-LED-06L-DA-S-INV-DIM 35-80-SL	1	48 WATT, 6500 LUMEN LED ARRAY	CEILING SURFACE	
B	LSI LIGHTING	EG3-113768-4-LED-04L-DA-S-UNV-DIM 35-80-SL	1	32 WATT, 4380 LUMEN LED ARRAY	CEILING SURFACE	
C	LSI LIGHTING	EG3-113768-2-LED-04L-DA-S-UNV-DIM 35-80-SL	1	32 WATT, 4330 LUMEN LED ARRAY	CEILING SURFACE	
D	LSI LIGHTING	EGW-113768 2-LED-10L-DA-S-UNV-DIM-50-80-OSWL-STD	1	79 WATT, 10,380 LUMEN LED ARRAY	BOTTOM OF TRUSSES	SPAN TRUSSES WITH STAINLESS STEEL UNISTRUCT AS REQUIRED
EL	EVENLITE	TELESIS TCL-2206-2-W-SD	2	2 WATT LED HEADS	WALL @ 9'-0" AFF	
FL	LSI LIGHTING	XFLM-113768-MF-LED-49-HO-NW-UE-BRZ-SMC-23-BRZ	1	64 WATT, 5175 LUMEN LED ARRAY	STANCHION MOUNT 10" AFG TO BOTTOM OF FIXT	PROVIDE 12" DIA X 24"D 3000 PSI CONCRETE EMBED
G	NORA LIGHTING	NOZ-81-6672-2639L/30W/3500K-MPW-NOZ-81REFLD	1	30 WATT, 2639 LUMEN LED ARRAY	CEILING RECESSED	
H	LSI LIGHTING	EG3-113768-4-LED-04L-DA-S-UNV-DIM 35-80-OWSL-SL	1	32 WATT, 4380 LUMEN LED ARRAY	CEILING SURFACE	
J	LURALINE	RD11-582-GNLX-FR-TL9HD-PREMIUM-CG3-SSP	1	9.4 WATT, 2179 LUMEN LED ARRAY	WALL @ 84" AFF TO BOTTOM OF SHADE	COLOR TO BE SELECTED BY ARCHITECT. PROVIDE SIDING ADAPTER
K	LSI LIGHTING	XWS-113768-LED-2L-MTPD-UNV-DIM-35-80CRI-FINISH-SPI	1	15 WATT, 1887 LUMEN LED ARRAY	WALL @ 8'-6" AFF TO CENTER	PROVIDE SIDING ADAPTER
⊗	EVENLITE	TWL-2206-EM-R-1U-W-SD	1	LED STRIP	UNIVERSAL CANOPY	

NOTE: SUFFIX "E" TO FIXTURE TYPE DENOTES EMERGENCY BATTERY PACK INSTALLED IN FIXTURE AND CONNECTED AHEAD OF ALL SWITCHING

REV.	DATE	DESCRIPTION
0	12/03/2024	80% REVIEW
1	06/20/2022	100% REVIEW
2	07/19/2022	PERMIT DOCUMENTS
3	05/21/2023	ISS SUBMITTAL



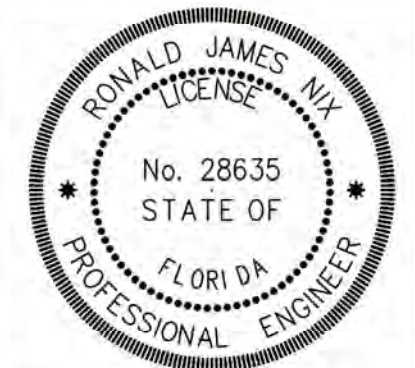


**BATTING CAGES ELECTRICAL PLAN**

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

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**Ronald J Nix**  
 Digitally signed  
 by Ronald J Nix  
 Date: 2023.08.24  
 17:31:09 -04'00'



**PLAN NOTES (THIS SHEET)**

- ① PROVIDE 20A/2P TOGGLE SWITCH IN NEMA 4X ENCLOSURE FOR DISCONNECT. MINIMUM CONDUIT AND WIRING TO BE 10 AWG CU IN 3/4" SCH 40 PVC BELOW GRADE AND SCH 80 ABOVE GRADE. ALL EXPOSED PVC RUNS OVER 10 FT SHALL HAVE EXPANSION COUPLINGS PER MANUFACTURER'S INSTRUCTIONS.
- ② PROVIDE SPRING WOUND COUNTDOWN TIMER MOUNTED IN SURFACE FD BOX AND INSTALLED IN A 12"X12"X6" NEMA 4X ENCLOSURE WITH HINGED COVER AND THREE POINT LATCH. TIMER TO BE DPST, SIX HOUR MAX WITHOUT HOLD EQUAL TO INTERMATIC FF46H.



NIX ENGINEERING INC.  
 105 TENNESSEE ST, SUITE B  
 MURPHY, NC 28906  
 (352) 338-4891  
 FLORIDA CA#0798, PE#28635  
 GEORGIA CA#PEF003627, PE#14888



**BATTING CAGES ELECTRICAL PLAN**  
**SITE IMPROVEMENTS FOR**  
**SOUTHPORT SPORTS COMPLEX**  
 SOUTHPORT, FL

REV	DR	CHK	DATE	DESCRIPTION
0	LN	NIX	12/03/2021	90% REVIEW
1	LN	NIX	06/20/2022	100% REVIEW
2	LN	NIX	05/31/2023	100% REVIEW
3	LN	NIX	05/31/2023	100% REVIEW

**E4.01**  
 37237-01