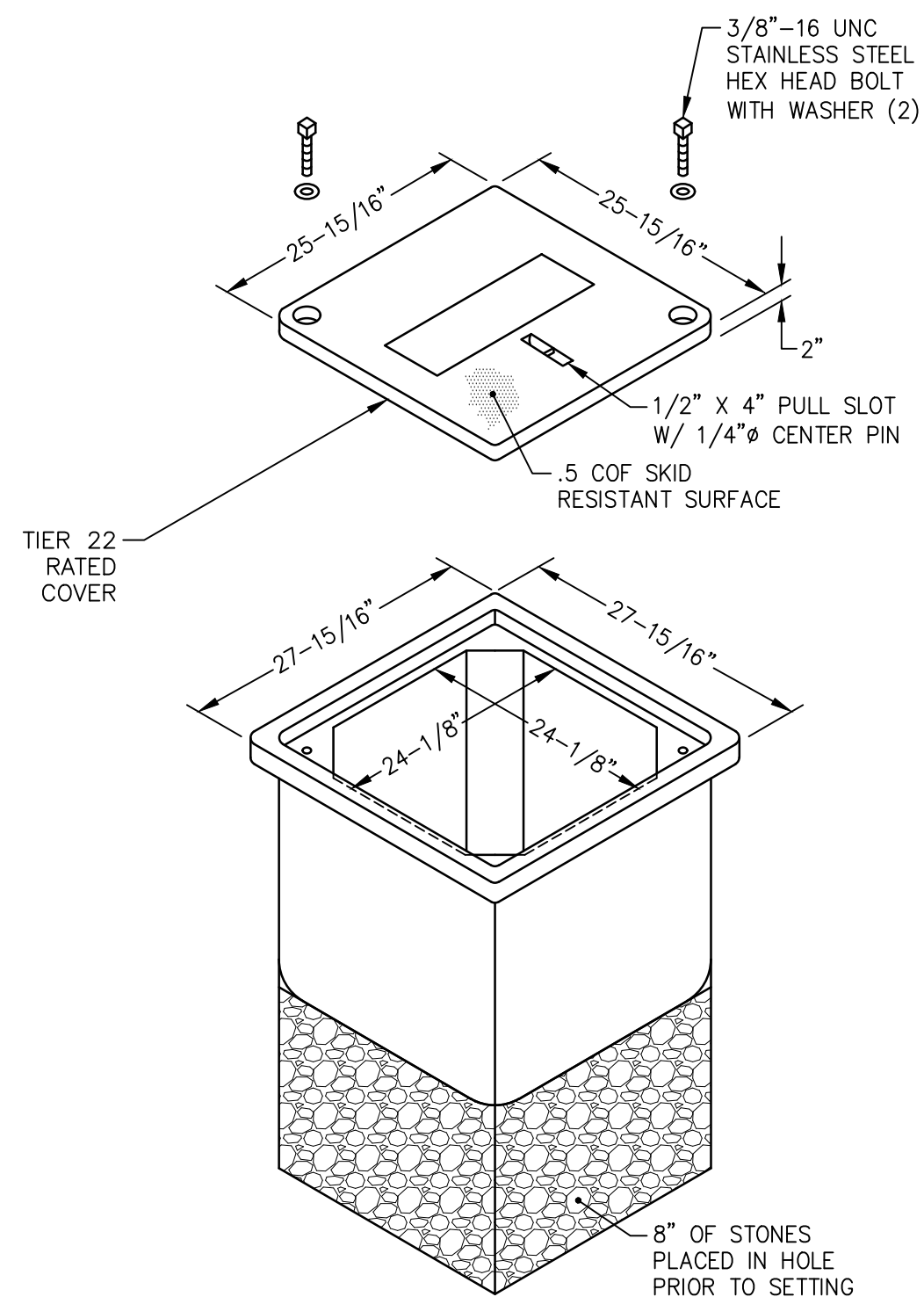


PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

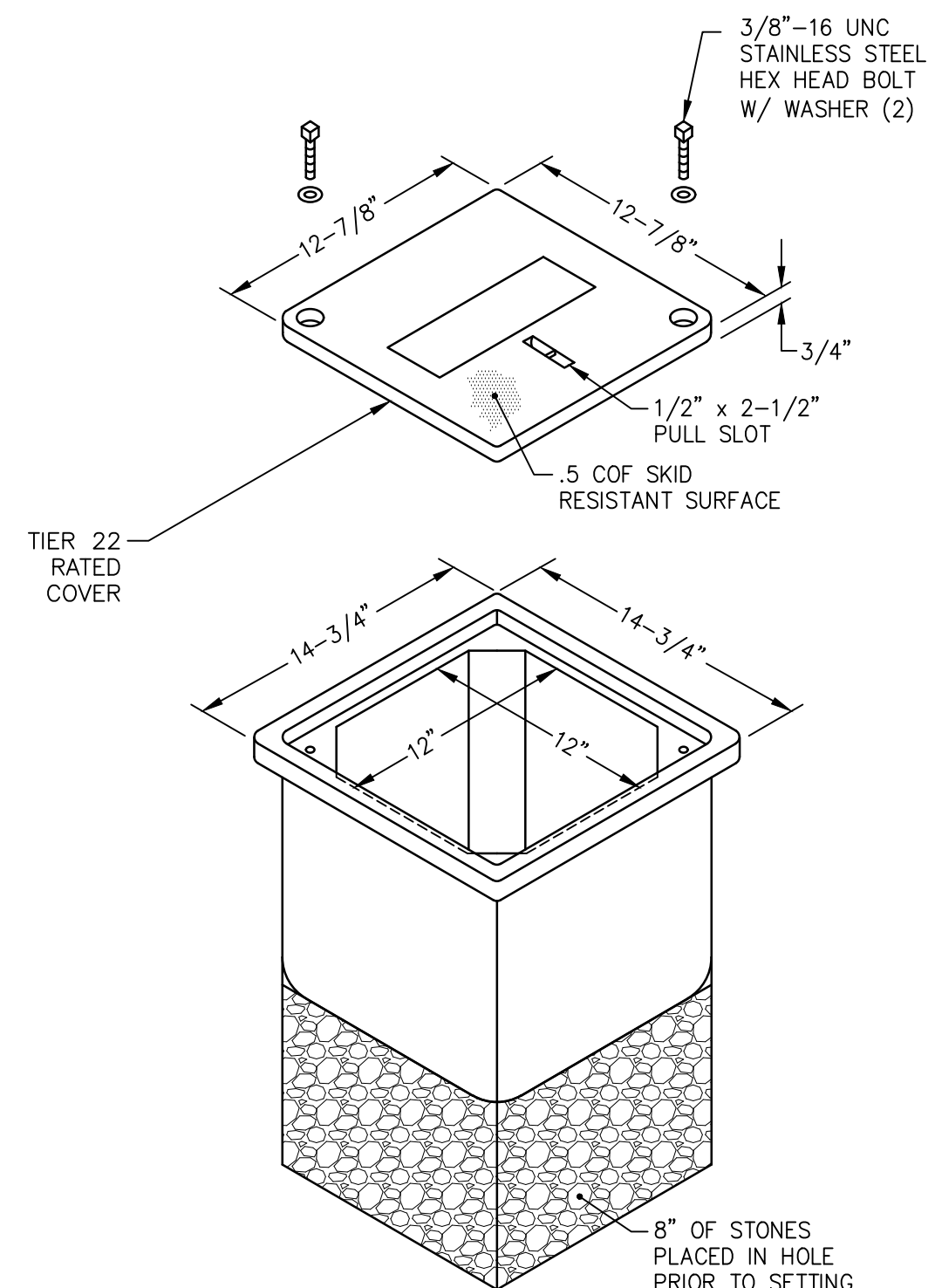
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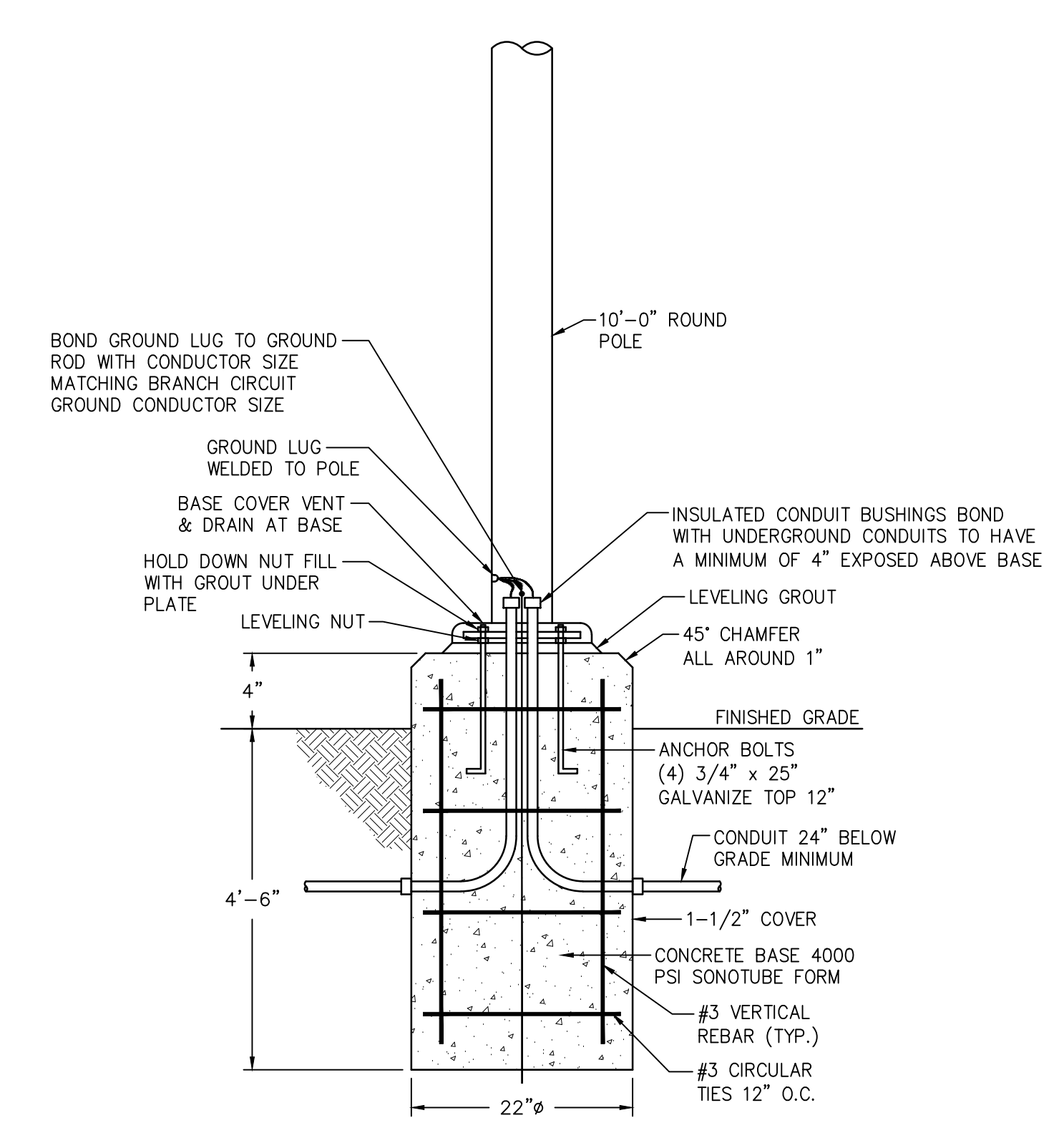
**ELECTRICAL DETAILS (SITE LIGHTING)**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY



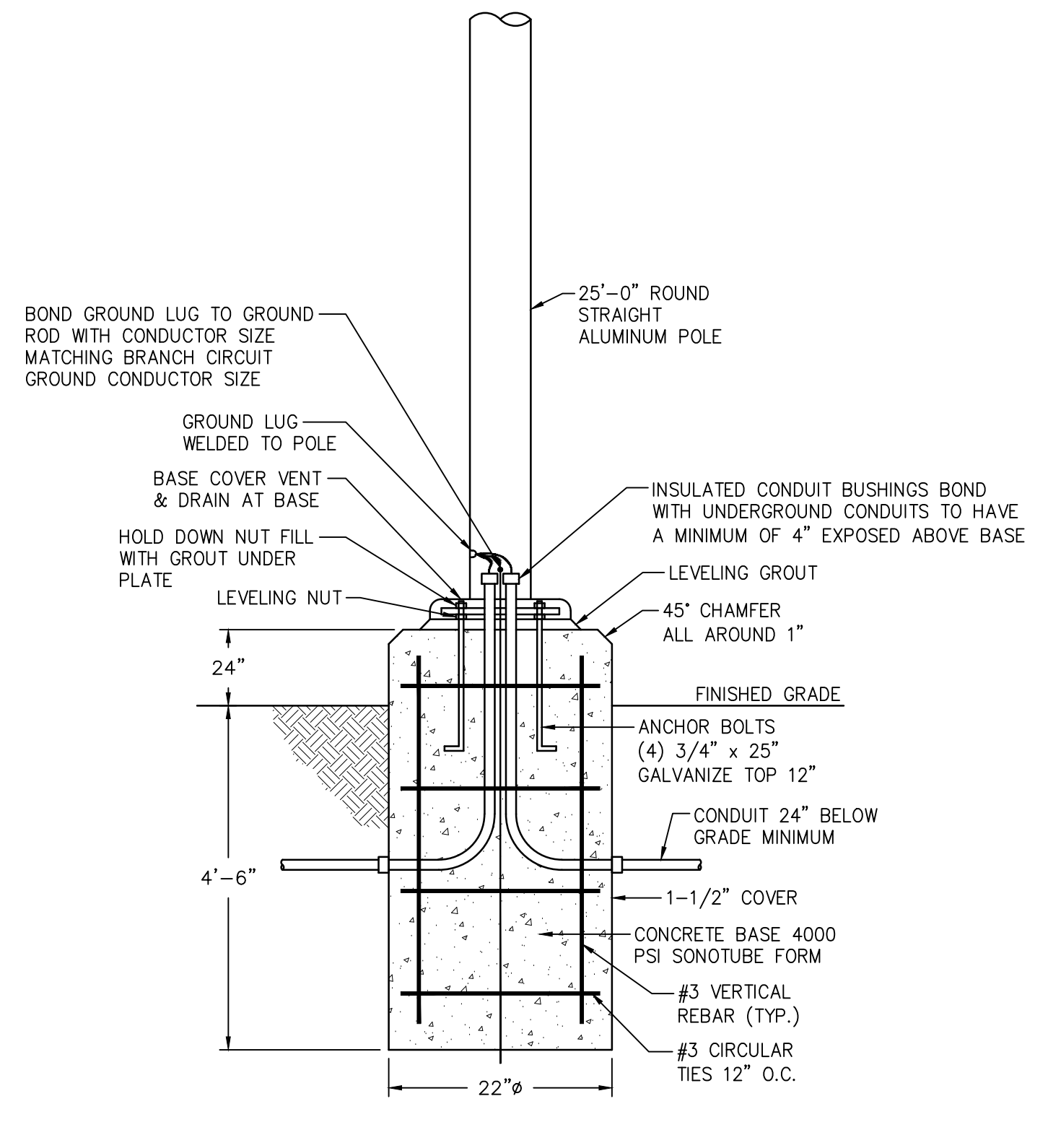
4 **24"x24" HAND HOLE DETAIL**  
N.T.S.



3 **12"x12" HAND HOLE DETAIL**  
N.T.S.



2 **SITE LIGHTING POLE BASE DETAIL - TYPE 'G'**  
N.T.S.



1 **SITE LIGHTING POLE BASE DETAIL**  
N.T.S.

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**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
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"ENGINEERING EXCELLENCE"

DATE:  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

DATE: *10-28-2024*  
**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. No. 56794

**ISSUED FOR BID**  
DATE: 10-11-2024

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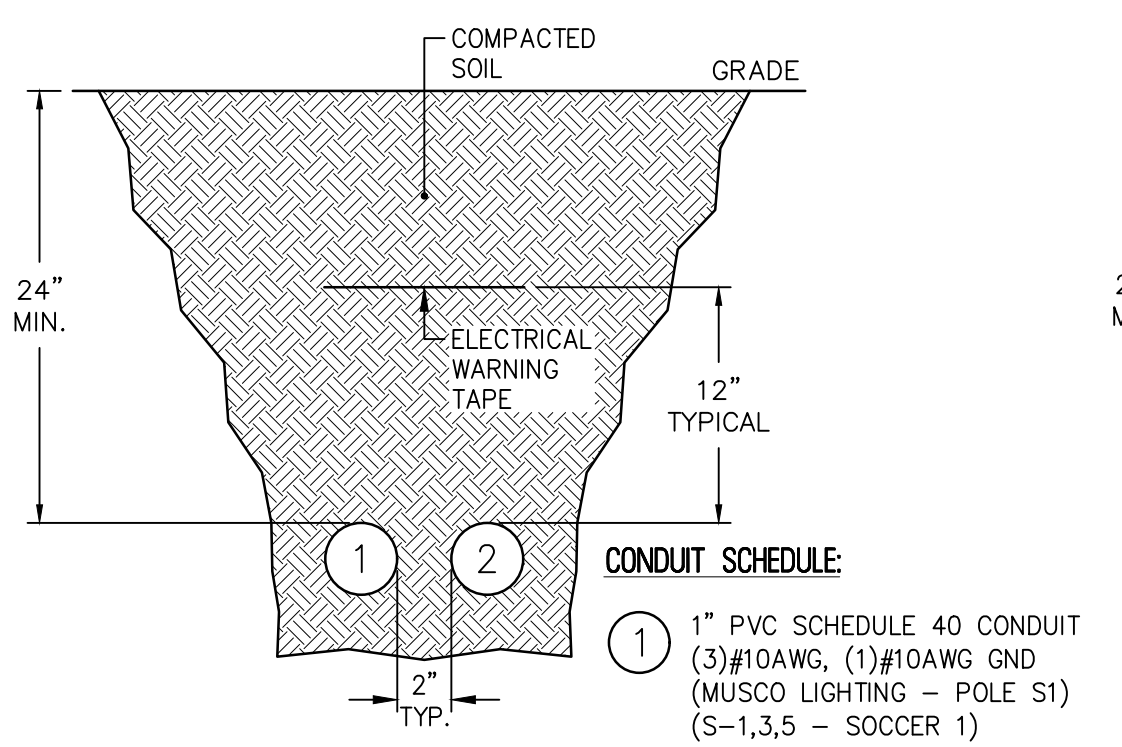
NO.	REVISION	DATE	BY

**ELECTRICAL DETAILS (SITE LIGHTING)**

WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND

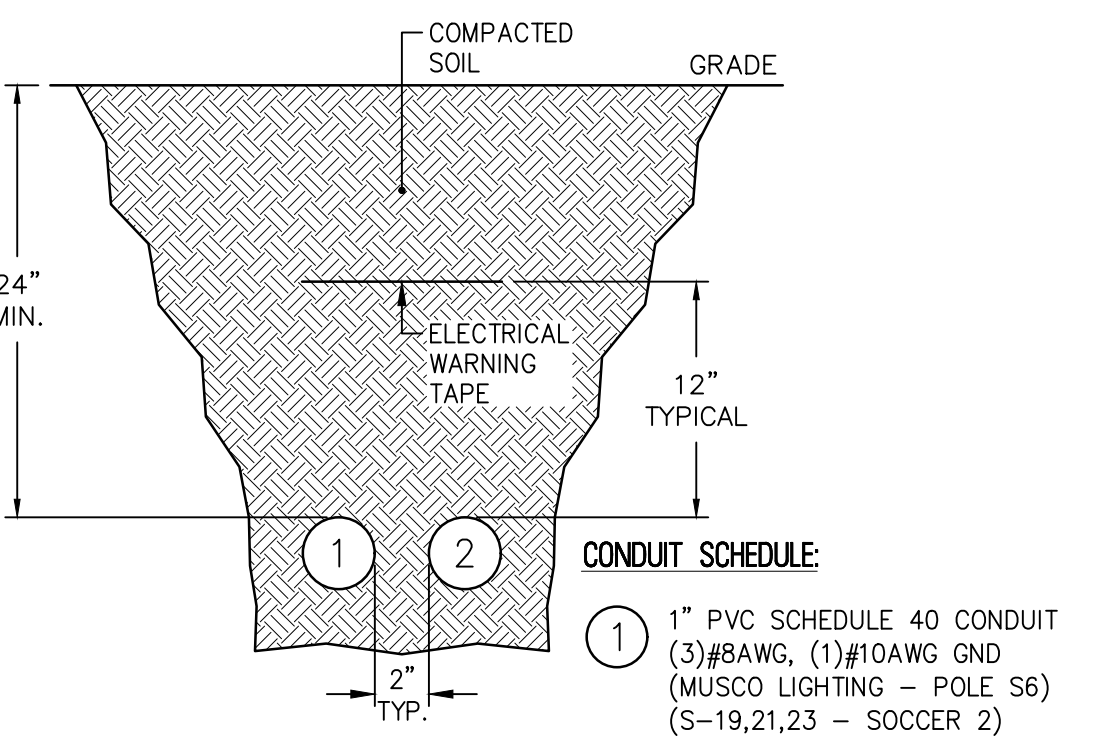
WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY: J.Z.	DESIGN BY: J.Z.	CHECKED BY:	SCALE: AS NOTED
DATE: 10-13-2021	SHEET No.: E-5.2		
JOB No.: 0824T062			



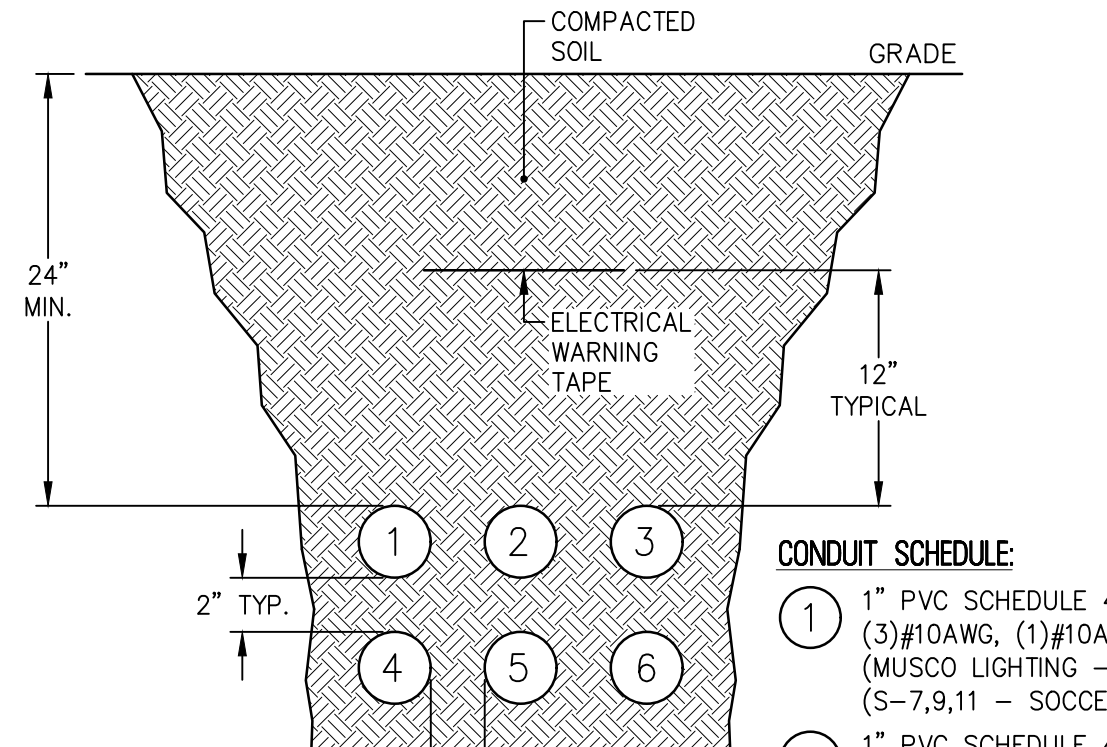
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S1) (S-1,3,5 - SOCCER 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S2) (S-2,4,6 - SOCCER 1)

**4 DUCT BANK DETAIL D-D**  
N.T.S.



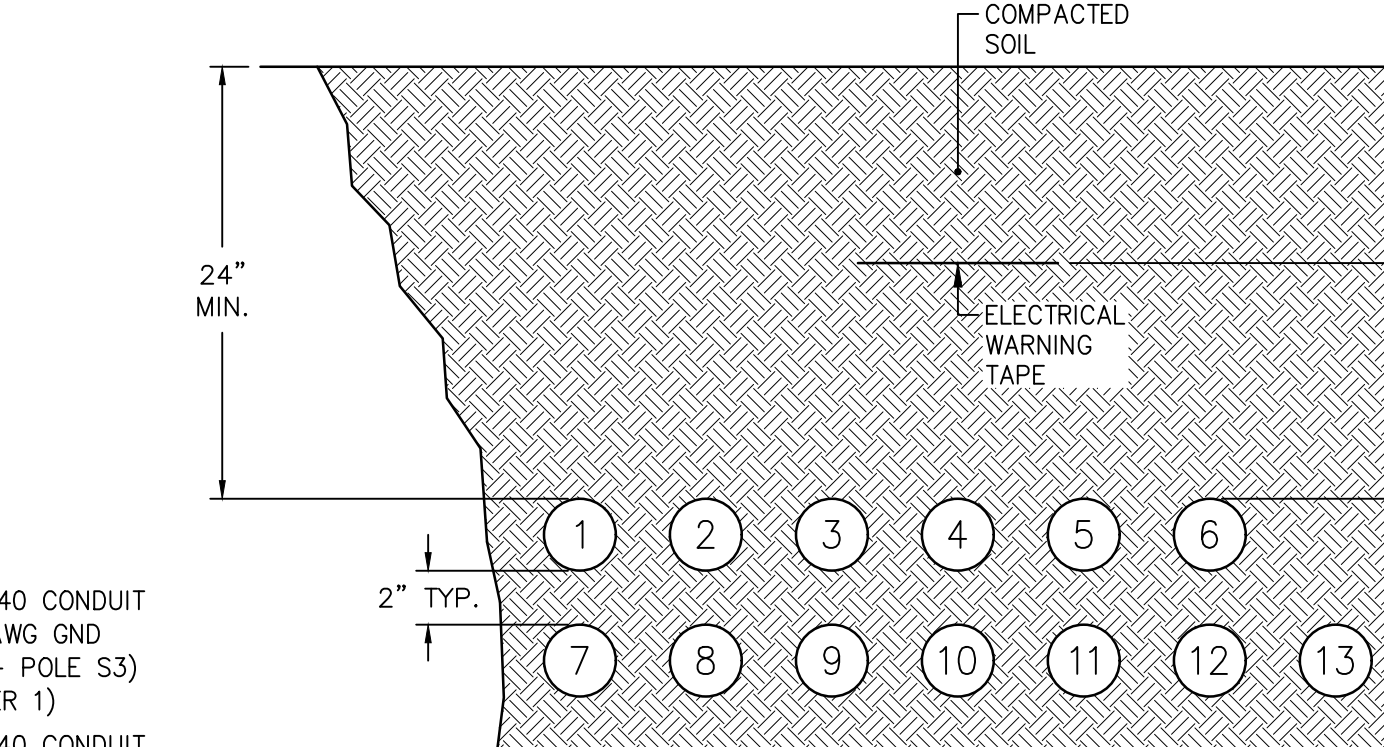
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S6) (S-19,21,23 - SOCCER 2)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#6AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S5) (S-20,22,24 - SOCCER 2)

**3 DUCT BANK DETAIL C-C**  
N.T.S.



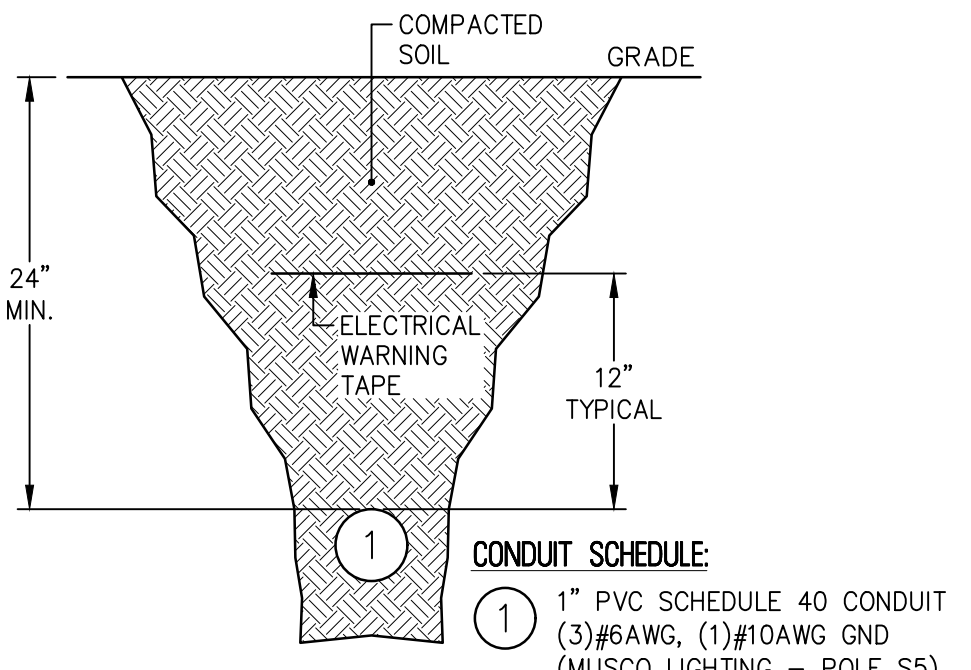
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S3) (S-7,9,11 - SOCCER 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-8,10,12 - SOCCER 1)
  - ③ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S3) (S-13,15,17 - SOCCER 2)
  - ④ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-14,16,18 - SOCCER 2)
  - ⑤ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S6) (S-19,21,23 - SOCCER 2)
  - ⑥ 1" PVC SCHEDULE 40 CONDUIT (3)#6AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S5) (S-20,22,24 - SOCCER 2)

**2 DUCT BANK DETAIL B-B**  
N.T.S.



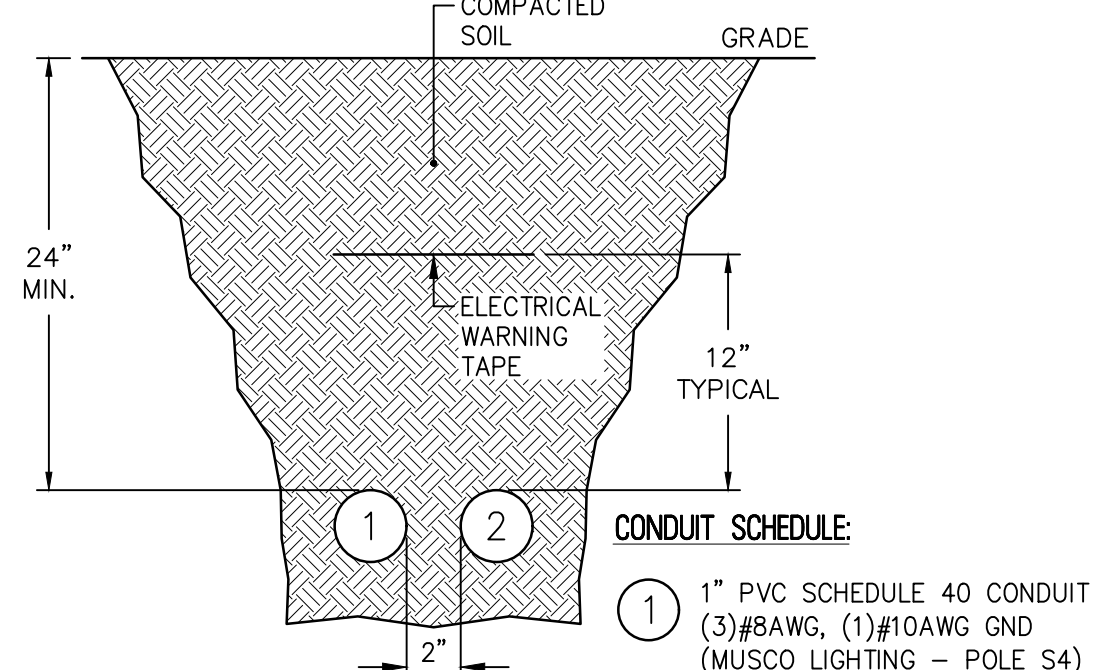
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S1) (S-1,3,5 - SOCCER 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S2) (S-2,4,6 - SOCCER 1)
  - ③ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S3) (S-7,9,11 - SOCCER 1)
  - ④ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-8,10,12 - SOCCER 1)
  - ⑤ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S3) (S-13,15,17 - SOCCER 2)
  - ⑥ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-14,16,18 - SOCCER 2)
  - ⑦ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S6) (S-19,21,23 - SOCCER 2)
  - ⑧ 1" PVC SCHEDULE 40 CONDUIT (3)#6AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S5) (S-20,22,24 - SOCCER 2)
  - ⑨ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE B1) (S-25,27,29 - SOFTBALL 1)
  - ⑩ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A1) (S-26,28,30 - SOFTBALL 1)
  - ⑪ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A2) (S-31,33,35 - SOFTBALL 1)
  - ⑫ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE B2) (S-32,34,36 - SOFTBALL 1)
  - ⑬ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C1) (S-43,45,47 - SOFTBALL 1)
  - ⑭ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C2) (S-44,46,48 - SOFTBALL 1)
  - ⑮ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A2) (S-49,51,53 - SOFTBALL 2)
  - ⑯ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A3) (S-50,52,54 - SOFTBALL 2)
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  - ⑳ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C4) (S-62,64,66 - SOFTBALL 2)

**1 DUCT BANK DETAIL A-A**  
N.T.S.



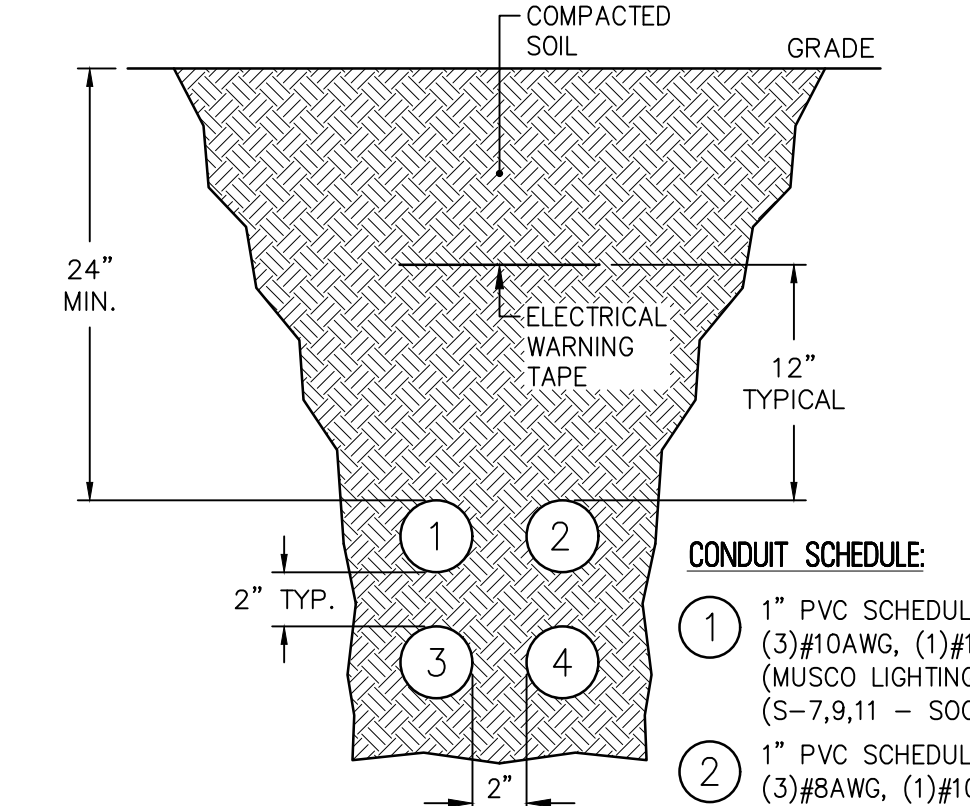
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#6AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S5) (S-20,22,24 - SOCCER 2)

**8 DUCT BANK DETAIL H-H**  
N.T.S.



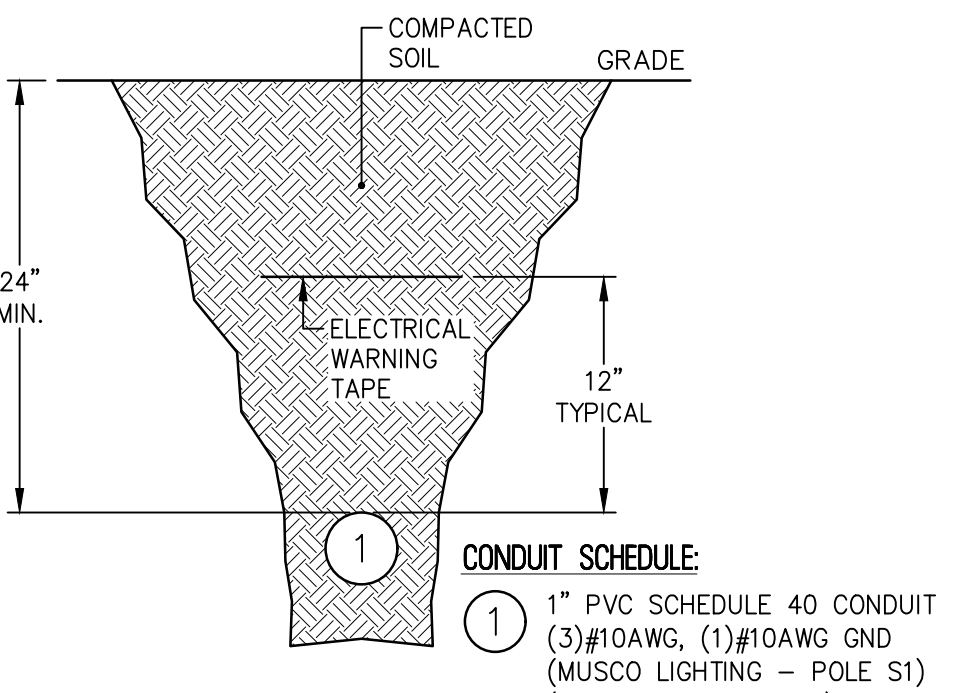
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-8,10,12 - SOCCER 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-14,16,18 - SOCCER 2)

**7 DUCT BANK DETAIL G-G**  
N.T.S.



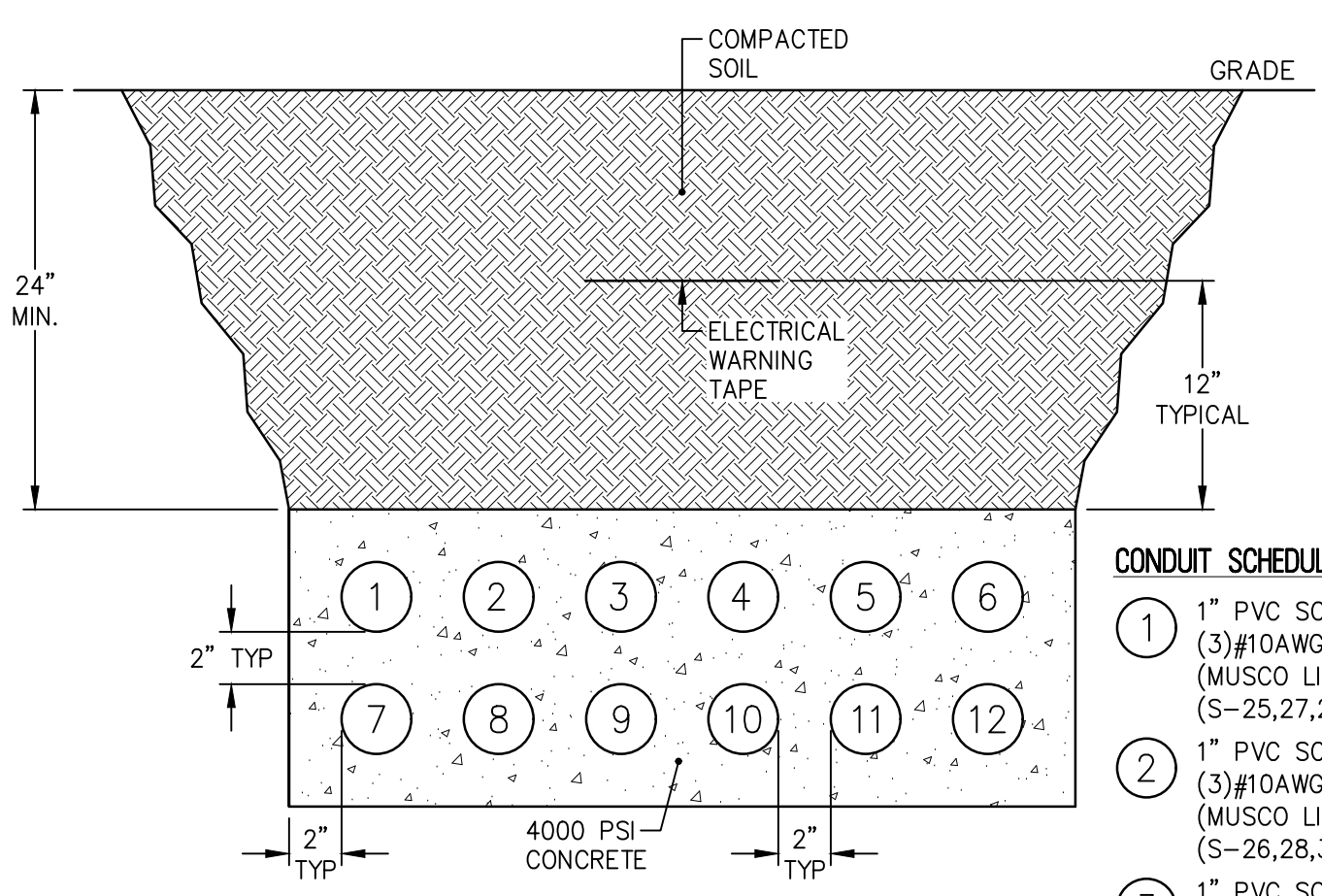
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S3) (S-7,9,11 - SOCCER 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-8,10,12 - SOCCER 1)
  - ③ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S3) (S-13,15,17 - SOCCER 2)
  - ④ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S4) (S-14,16,18 - SOCCER 2)

**6 DUCT BANK DETAIL F-F**  
N.T.S.



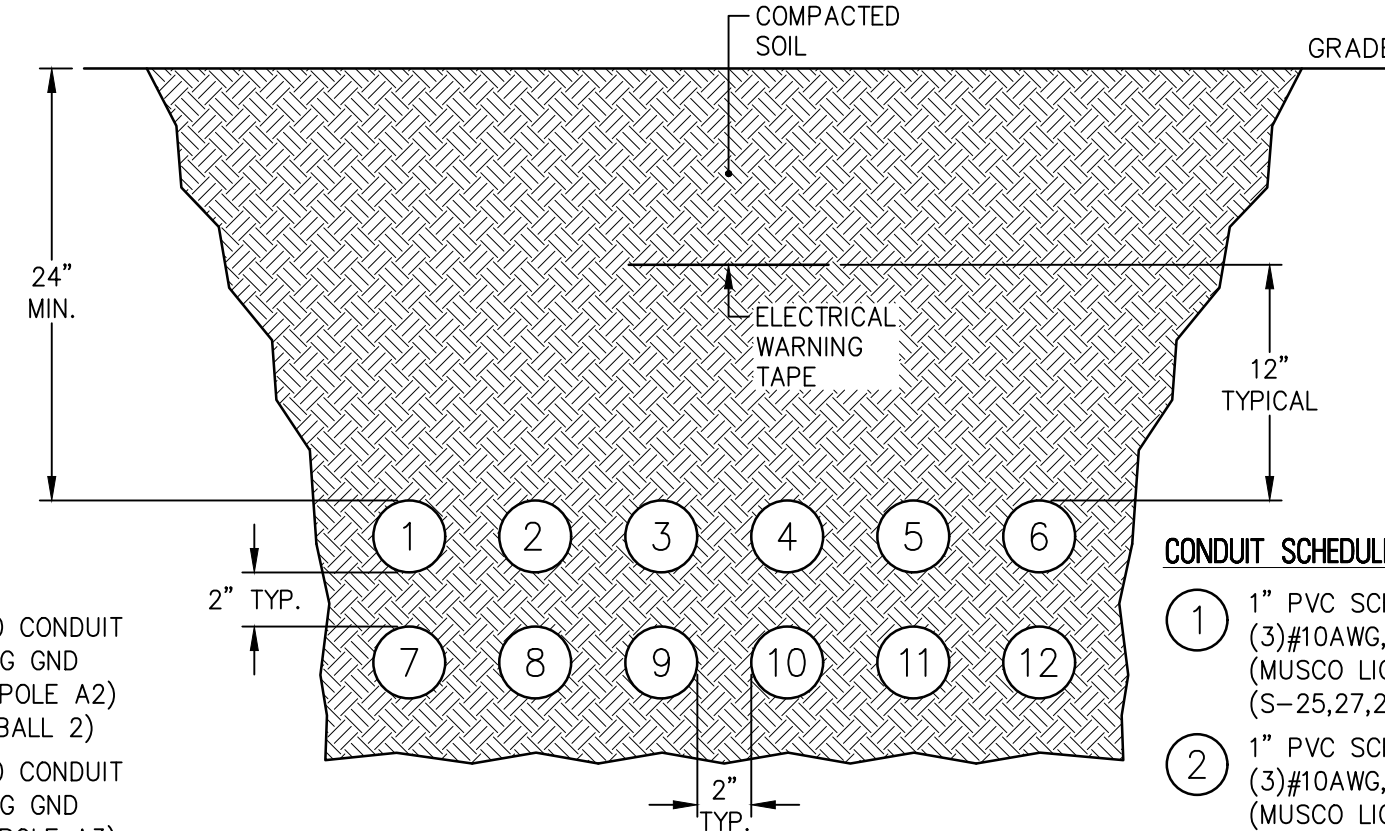
- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE S1) (S-1,3,5 - SOCCER 1)

**5 DUCT BANK DETAIL E-E**  
N.T.S.



- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE B1) (S-25,27,29 - SOFTBALL 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A1) (S-26,28,30 - SOFTBALL 1)
  - ③ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A2) (S-31,33,35 - SOFTBALL 1)
  - ④ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE B2) (S-32,34,36 - SOFTBALL 1)
  - ⑤ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C1) (S-43,45,47 - SOFTBALL 1)
  - ⑥ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C2) (S-44,46,48 - SOFTBALL 1)

**10 DUCT BANK DETAIL L1-L1**  
N.T.S.



- CONDUIT SCHEDULE:**
- ① 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE B1) (S-25,27,29 - SOFTBALL 1)
  - ② 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A1) (S-26,28,30 - SOFTBALL 1)
  - ③ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE A2) (S-31,33,35 - SOFTBALL 1)
  - ④ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE B2) (S-32,34,36 - SOFTBALL 1)
  - ⑤ 1" PVC SCHEDULE 40 CONDUIT (3)#10AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C1) (S-43,45,47 - SOFTBALL 1)
  - ⑥ 1" PVC SCHEDULE 40 CONDUIT (3)#8AWG, (1)#10AWG GND (MUSCO LIGHTING - POLE C2) (S-44,46,48 - SOFTBALL 1)

**9 DUCT BANK DETAIL L-L**  
N.T.S.

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WEB SITE ADDRESS : WWW.RVE.COM  
Certification of Authorization: 24 CA 28003300  
"ENGINEERING EXCELLENCE"

DATE: \_\_\_\_\_  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. NO. 40059  
*Christopher A. Saponaro*  
DATE: 10-26-2024  
**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. NO. 56794

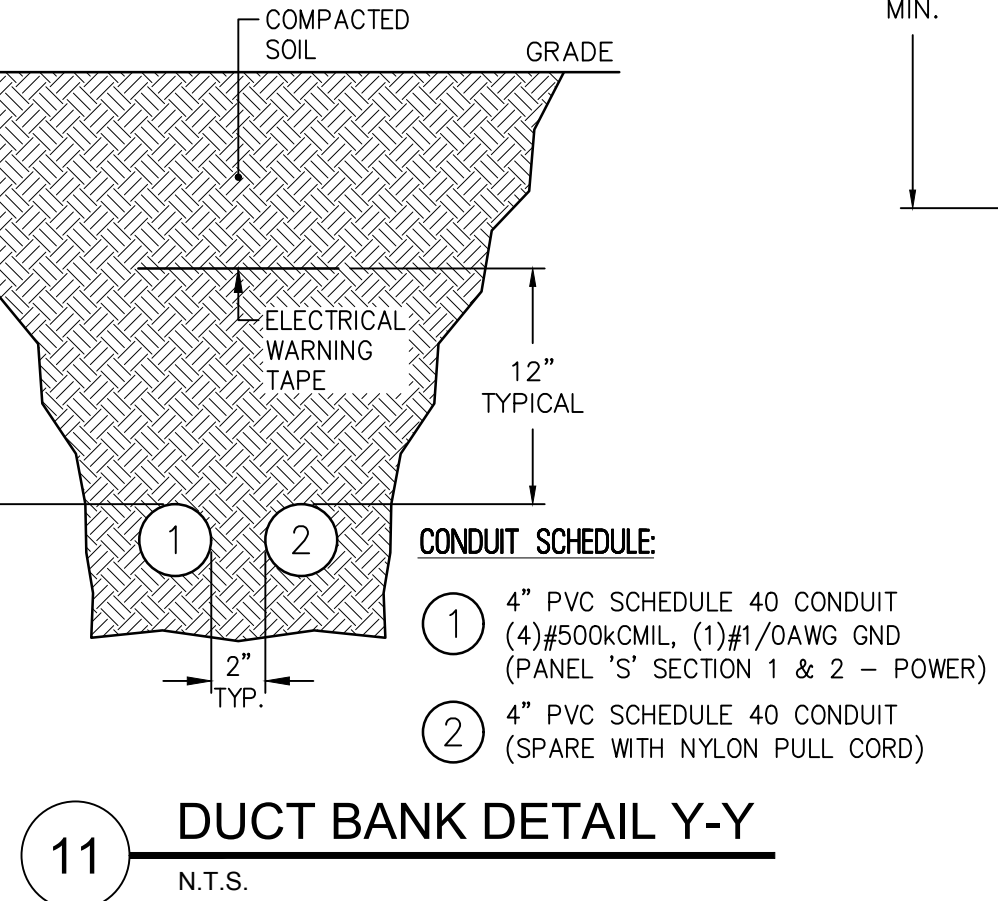
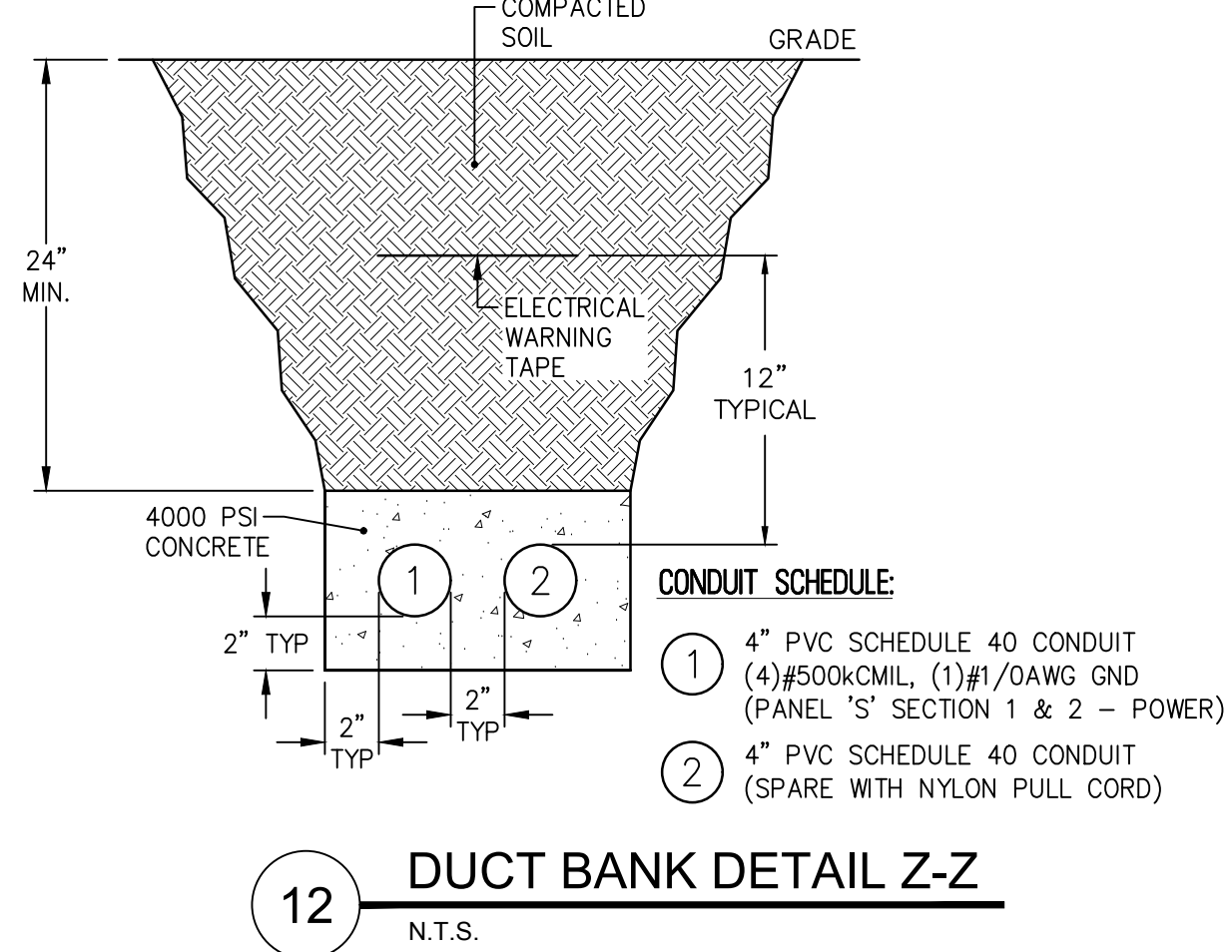
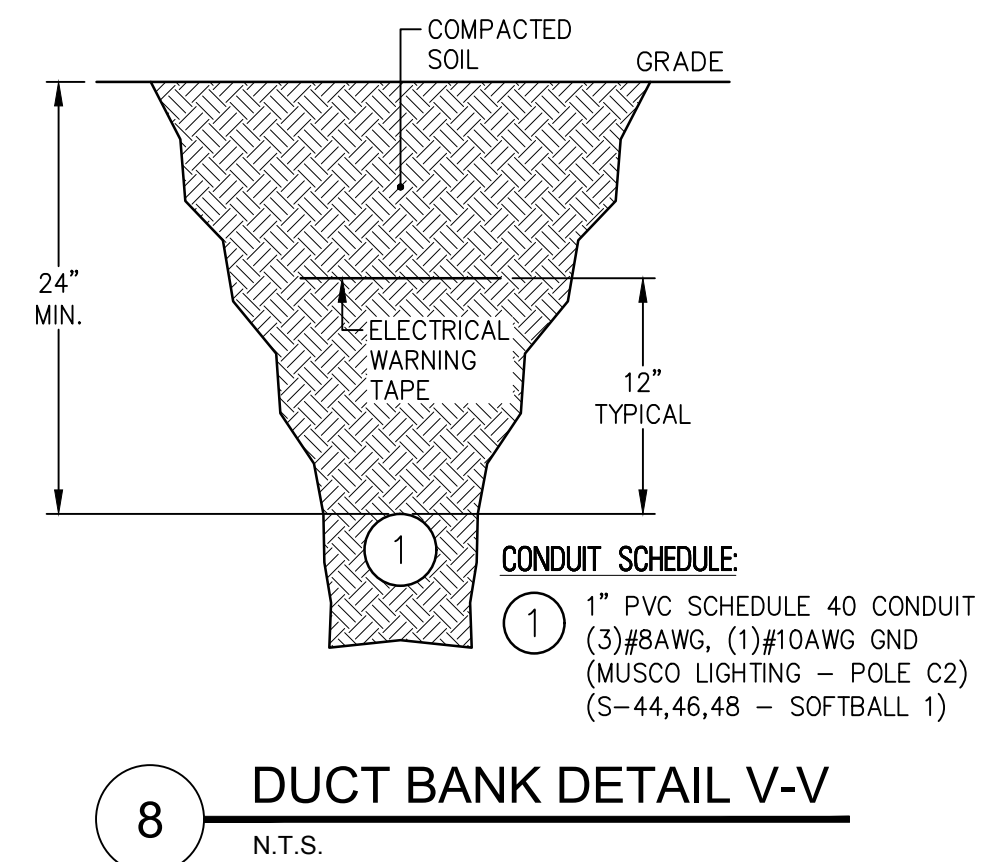
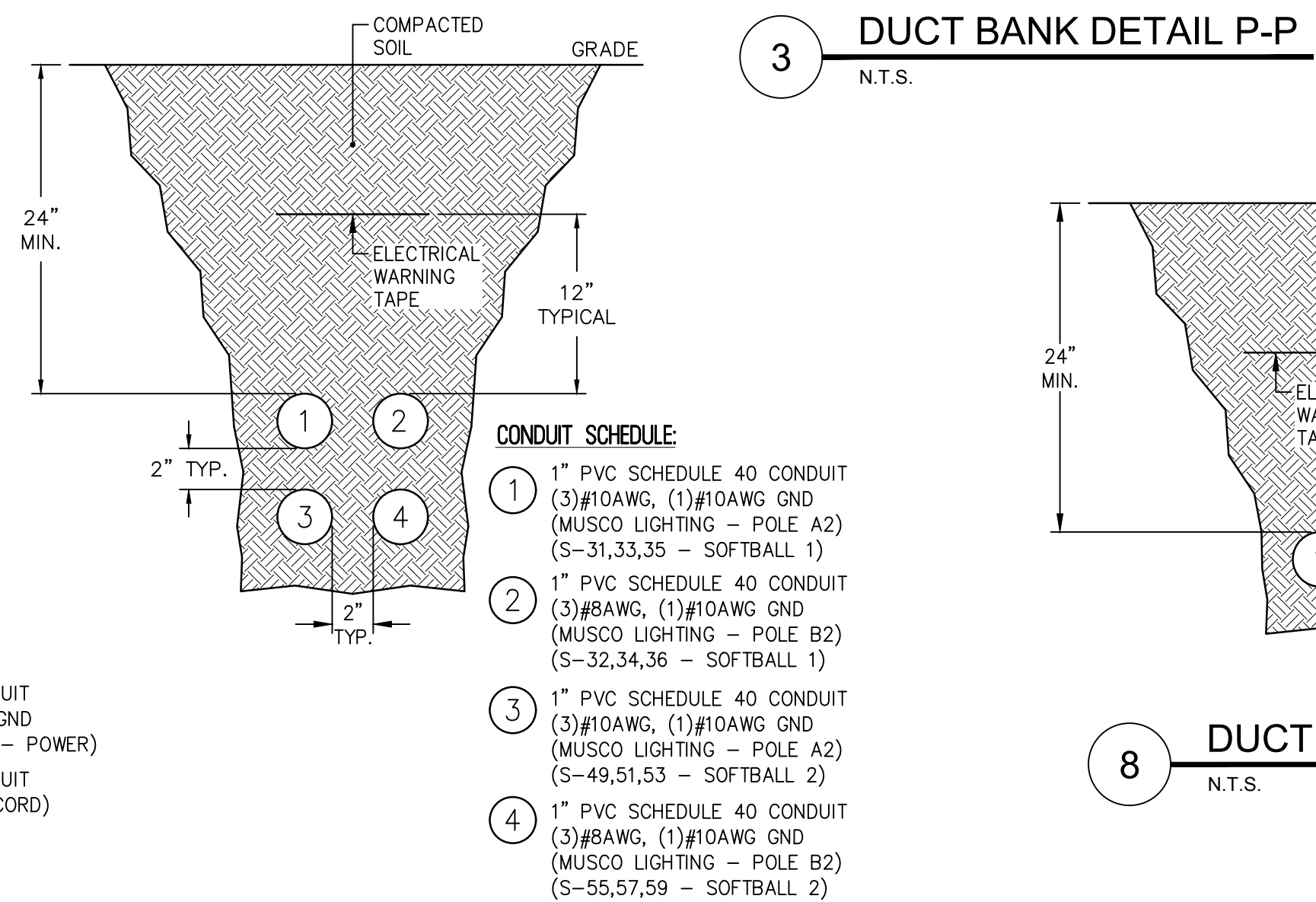
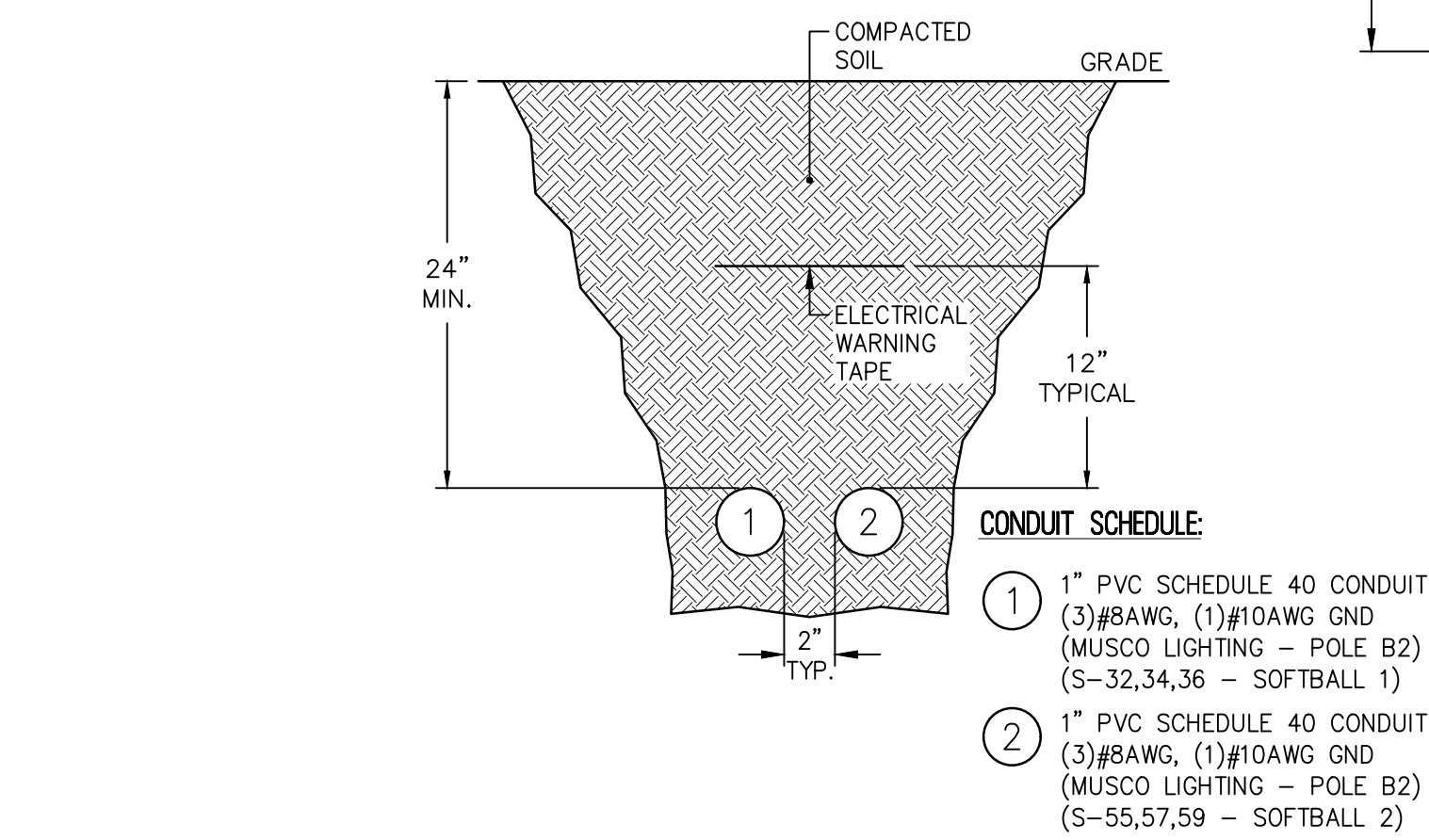
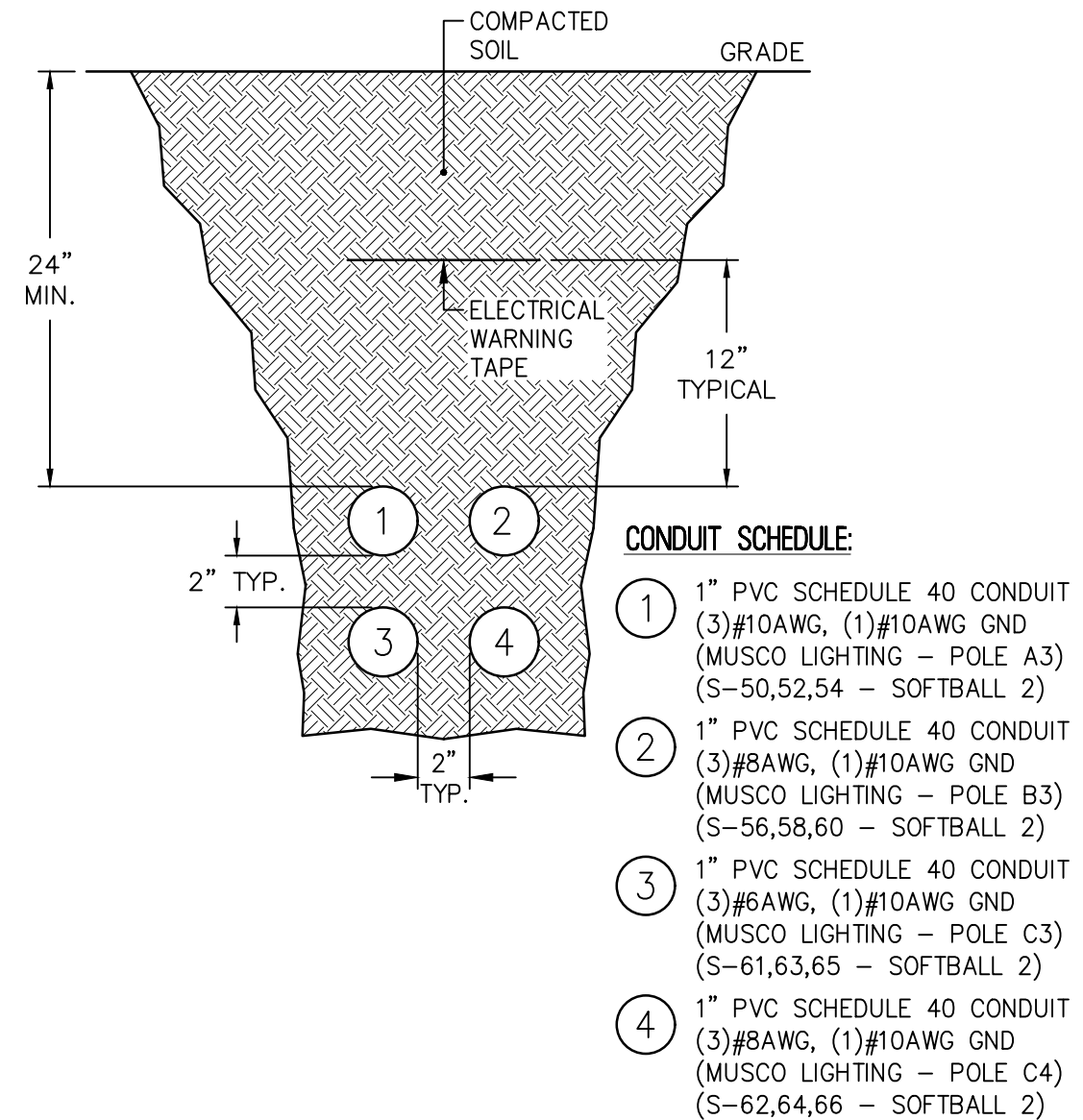
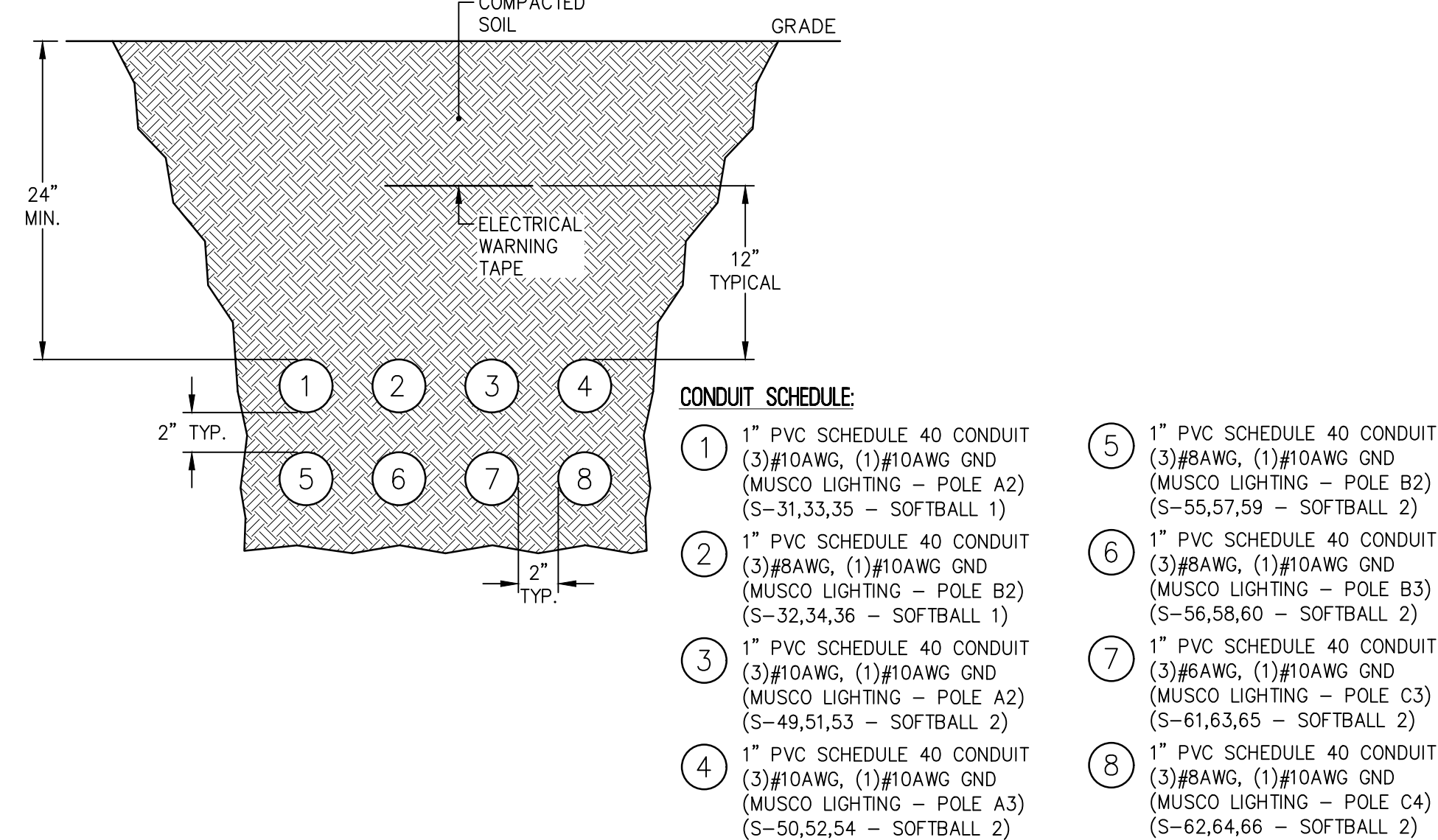
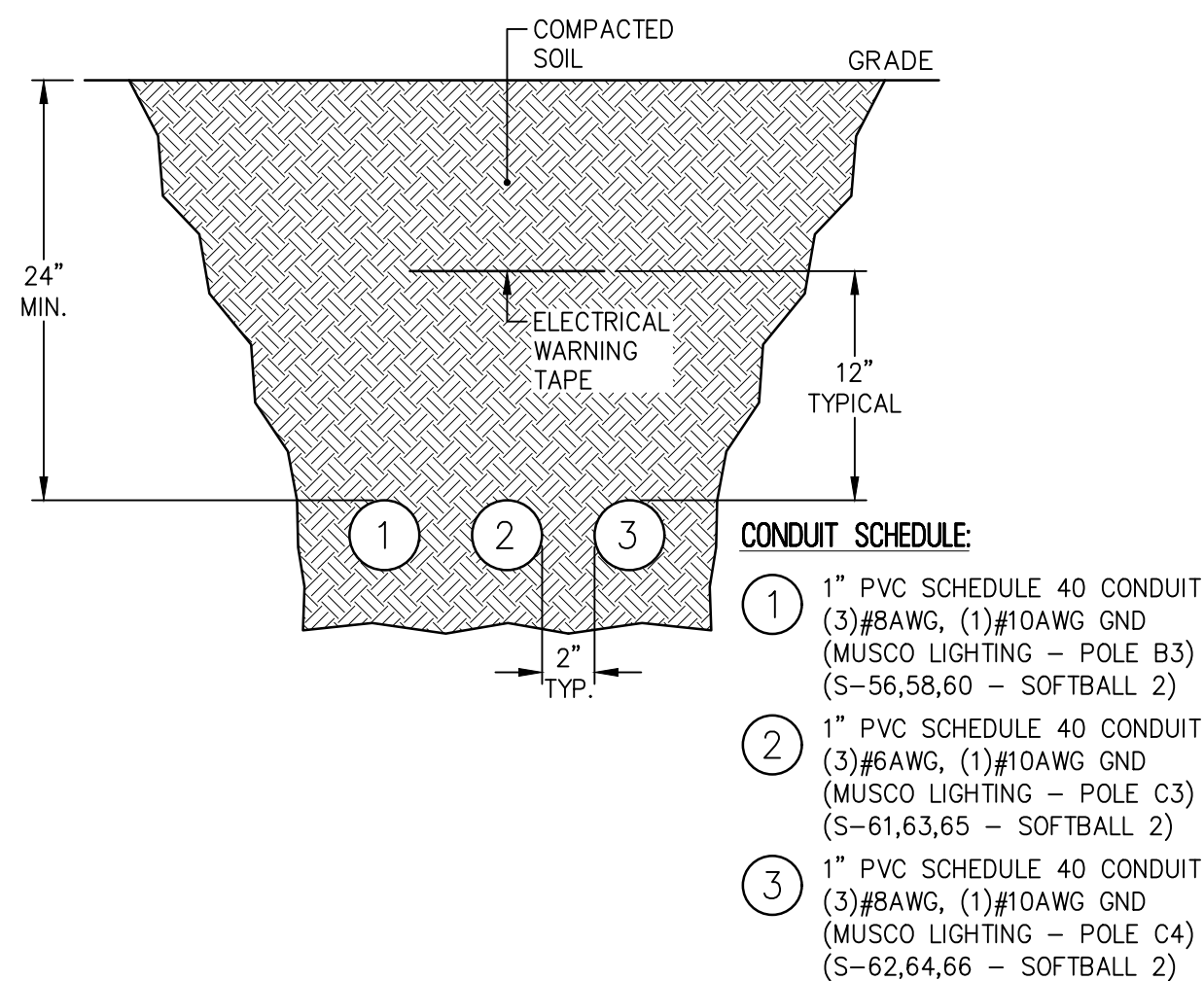
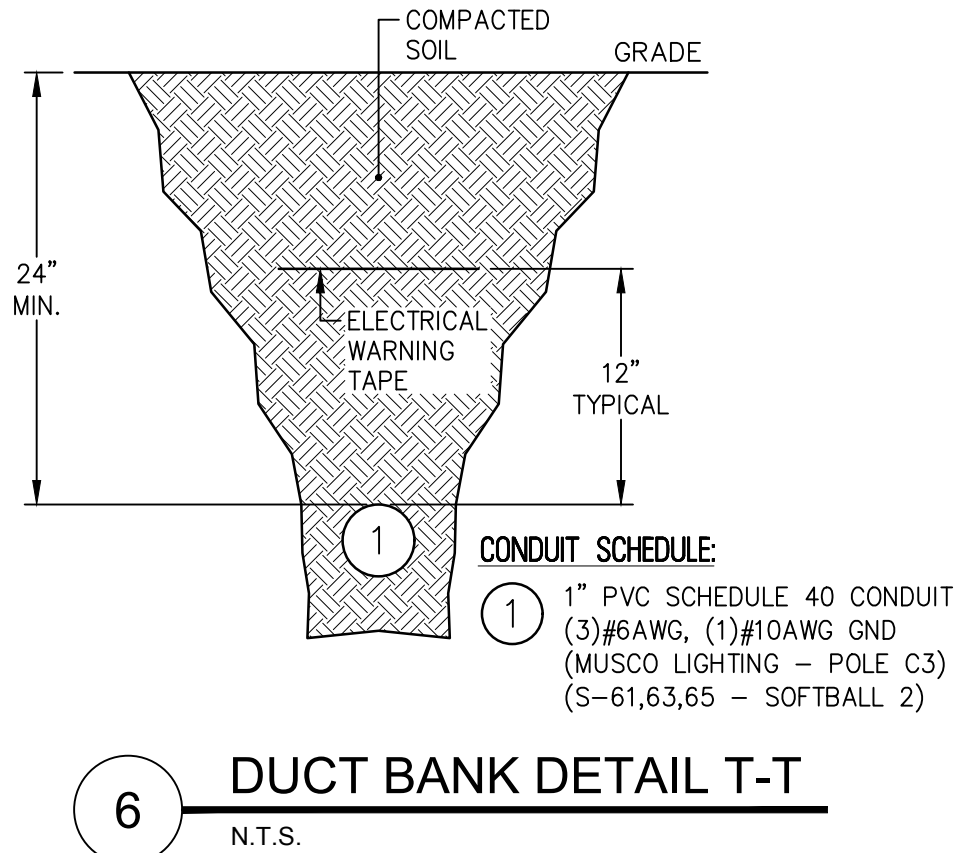
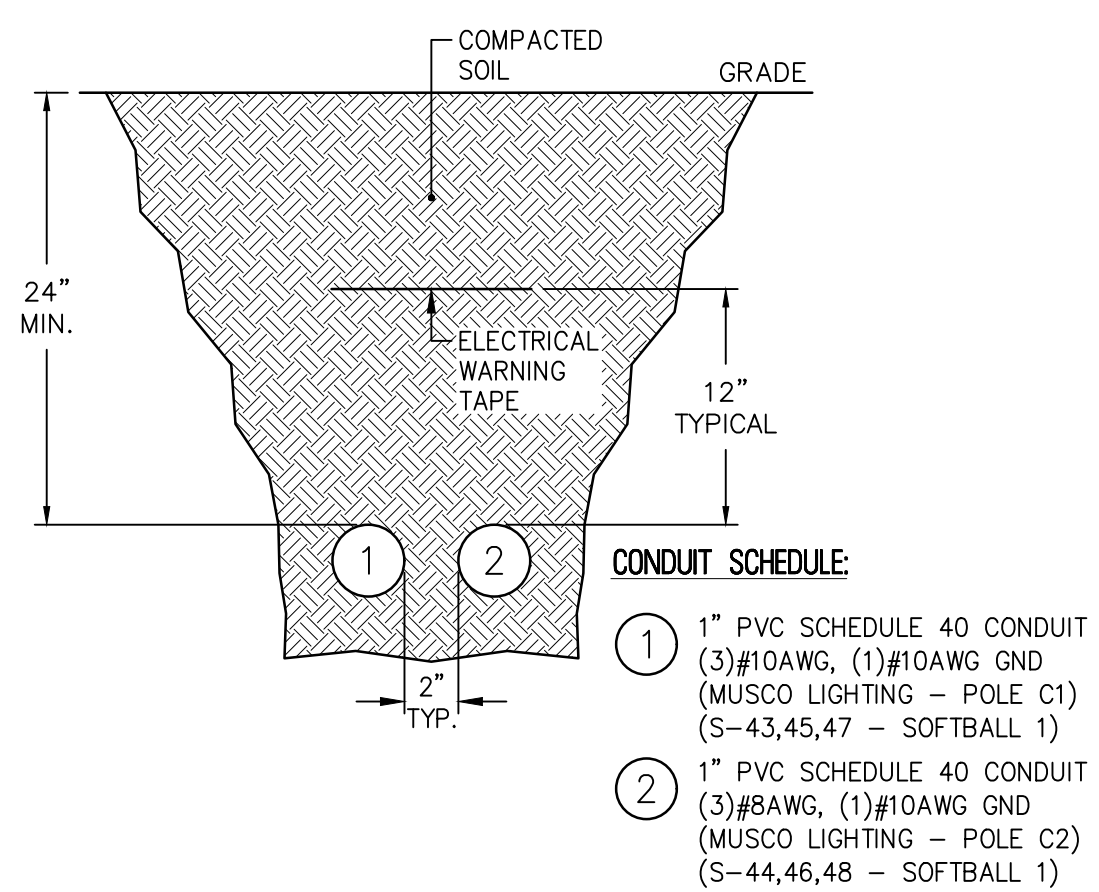
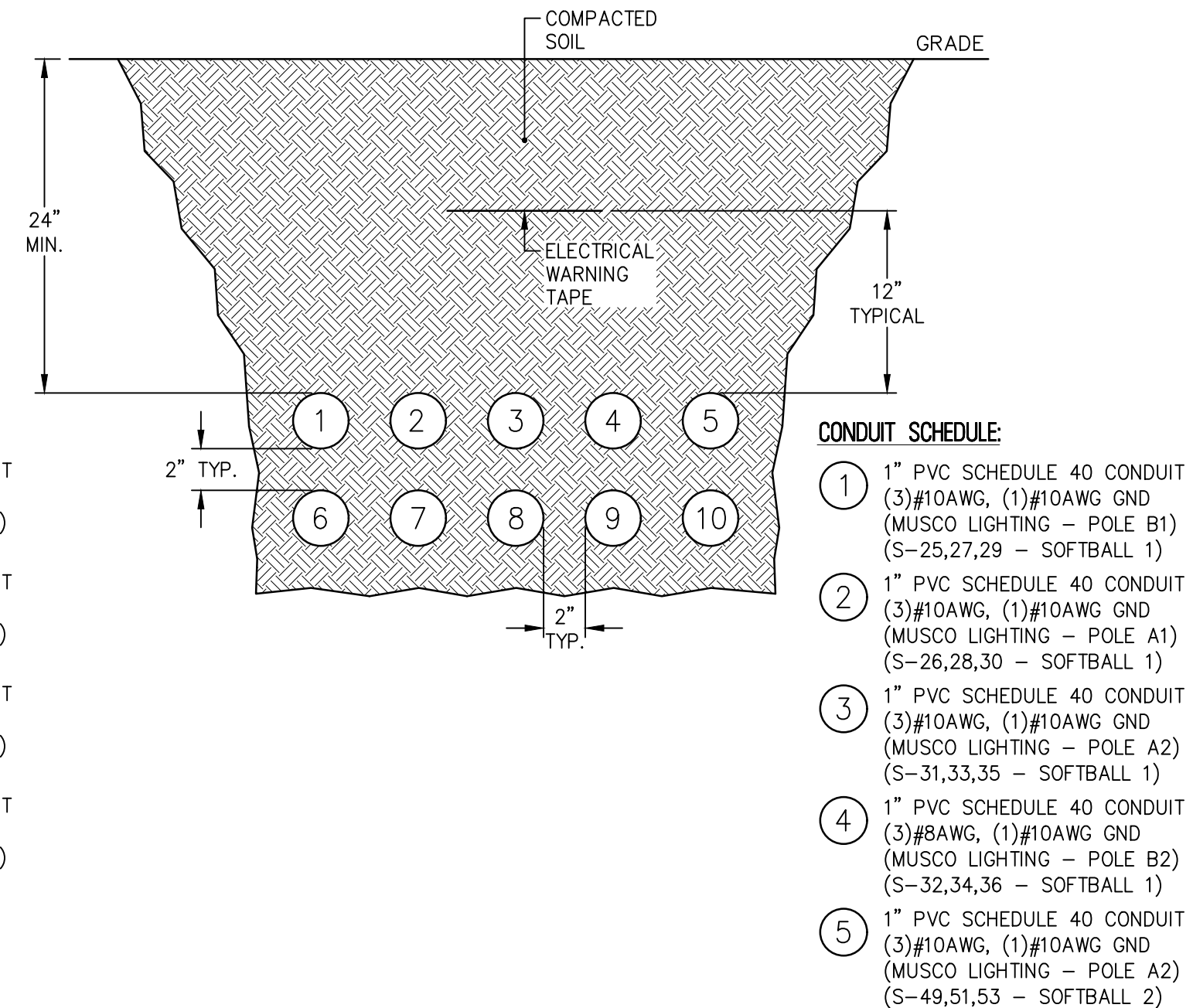
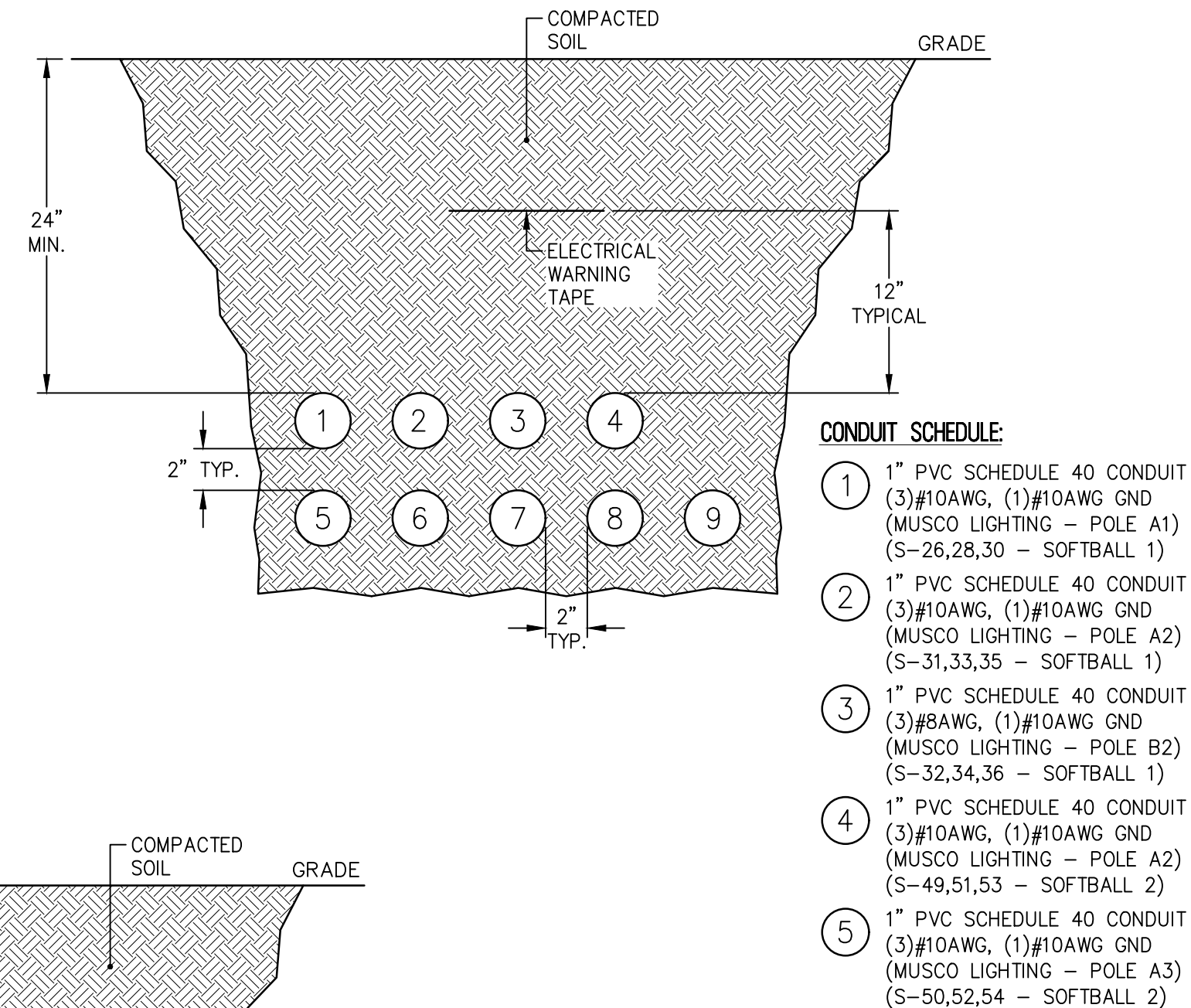
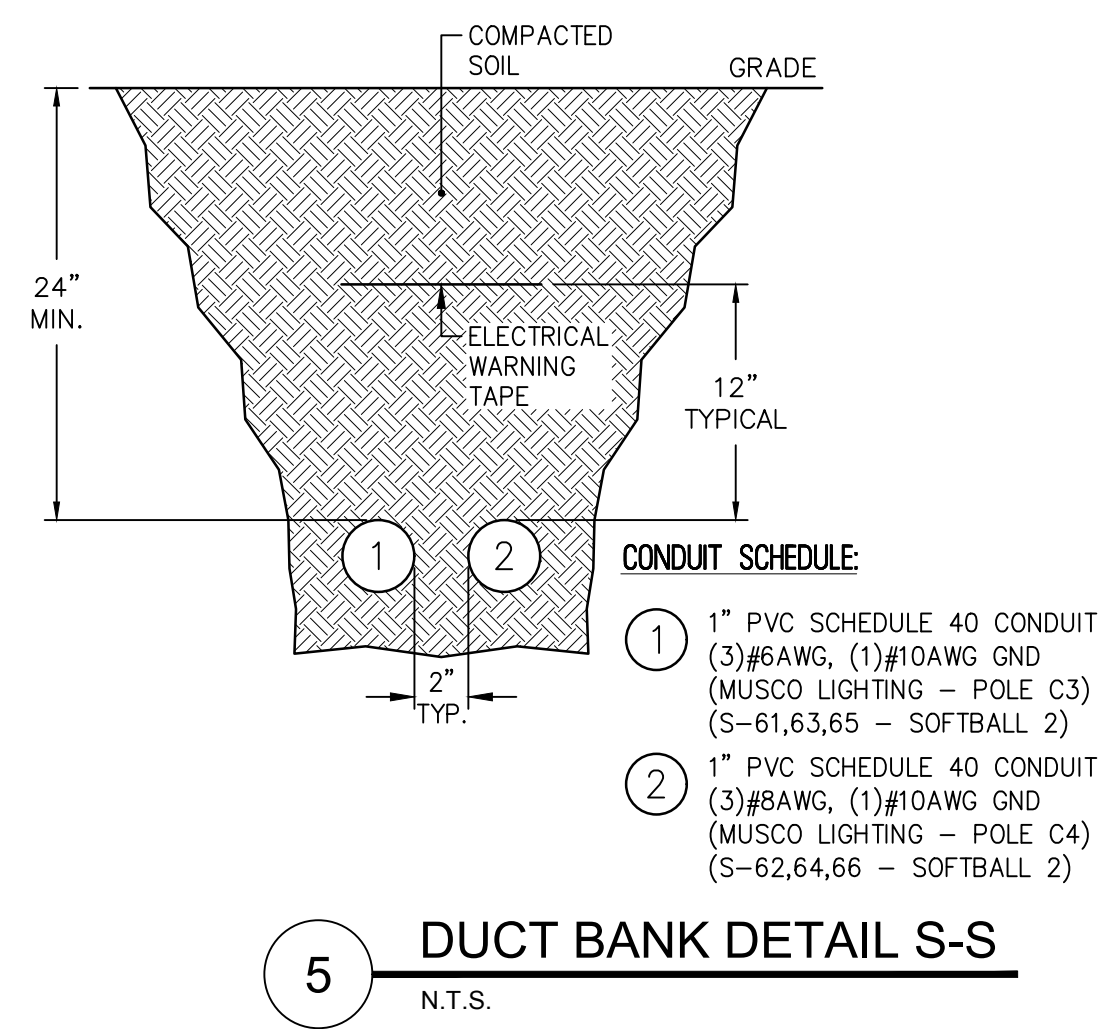
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NO.	REVISION	DATE	BY	CHK

**ELECTRICAL DETAILS (SPORT FIELD LIGHTING)**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLoucester COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.Z.	J.Z.		AS NOTED
DATE:			
10-13-2021			
JOB No.:			
0824T062			E-5.3



**RVE**  
1901  
**REMINGTON & VERNICK ENGINEERS**  
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CHERRY HILL, NJ 08003  
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WEB SITE ADDRESS : WWW.RVE.COM  
Certification of Authorization: 24 CA 28003300  
-ENGINEERING EXCELLENCE-

DATE: \_\_\_\_\_  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. NO. 40059  
*Christopher A. Saponaro*  
DATE: 10-26-2024  
**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. NO. 56794

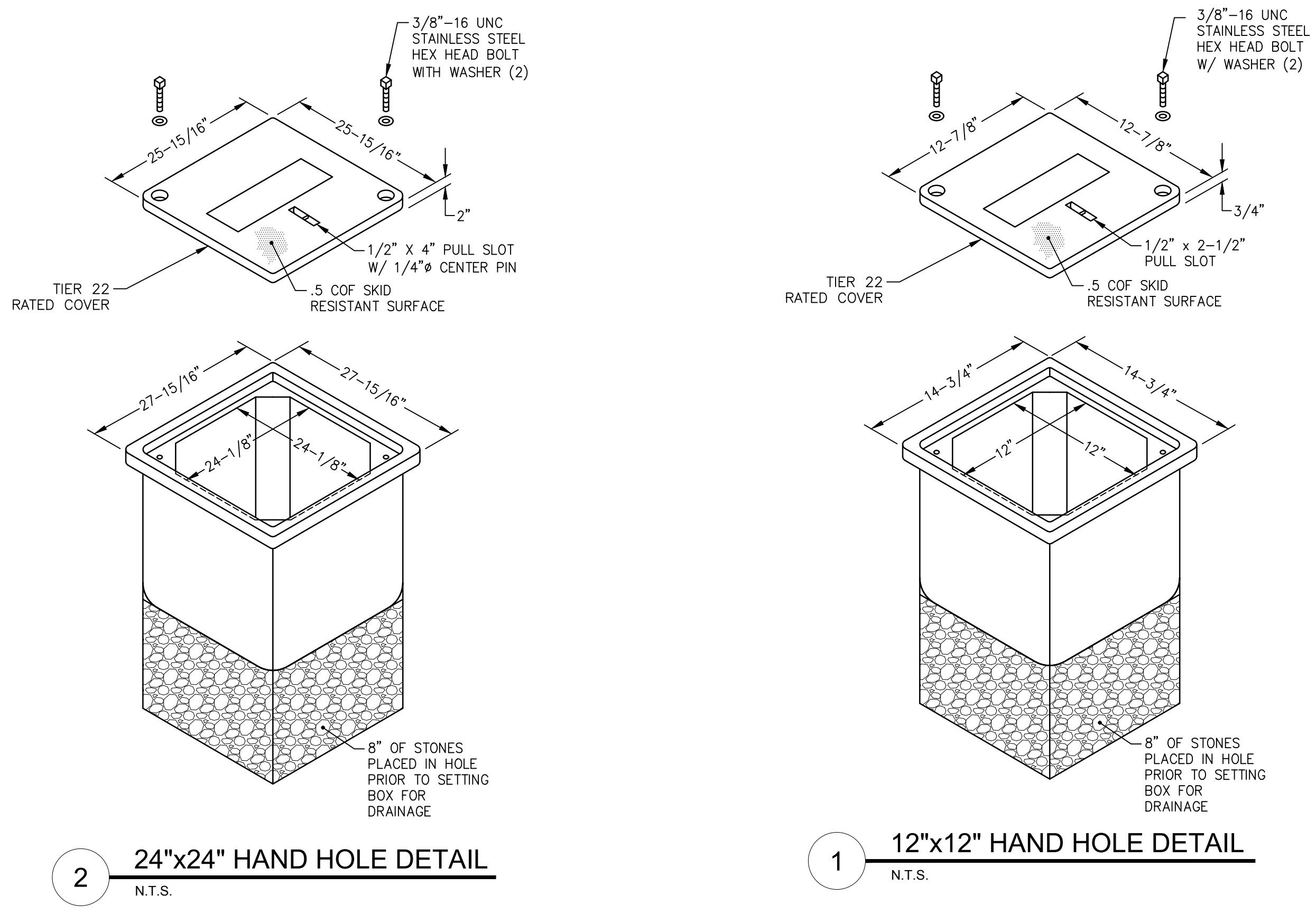
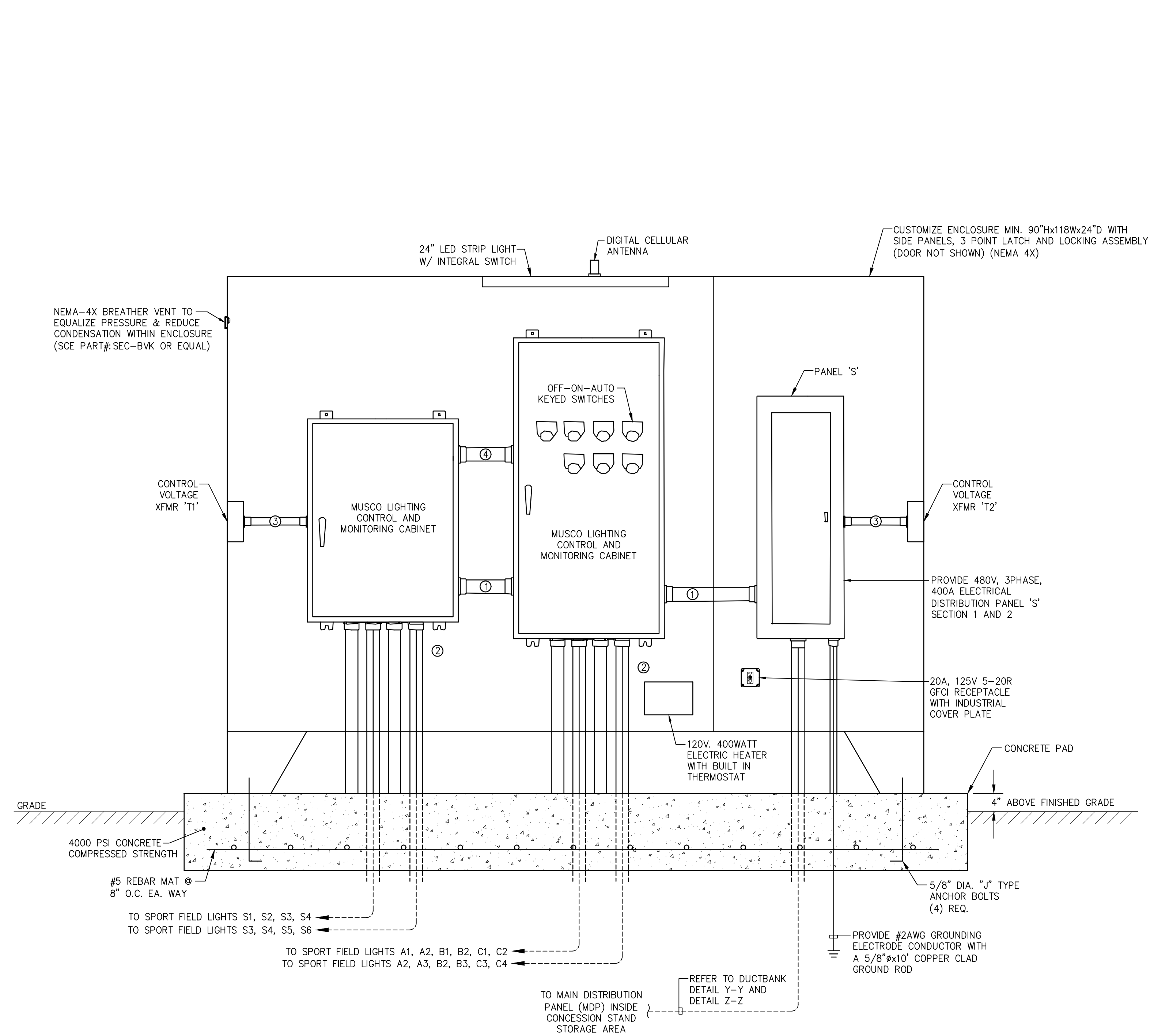
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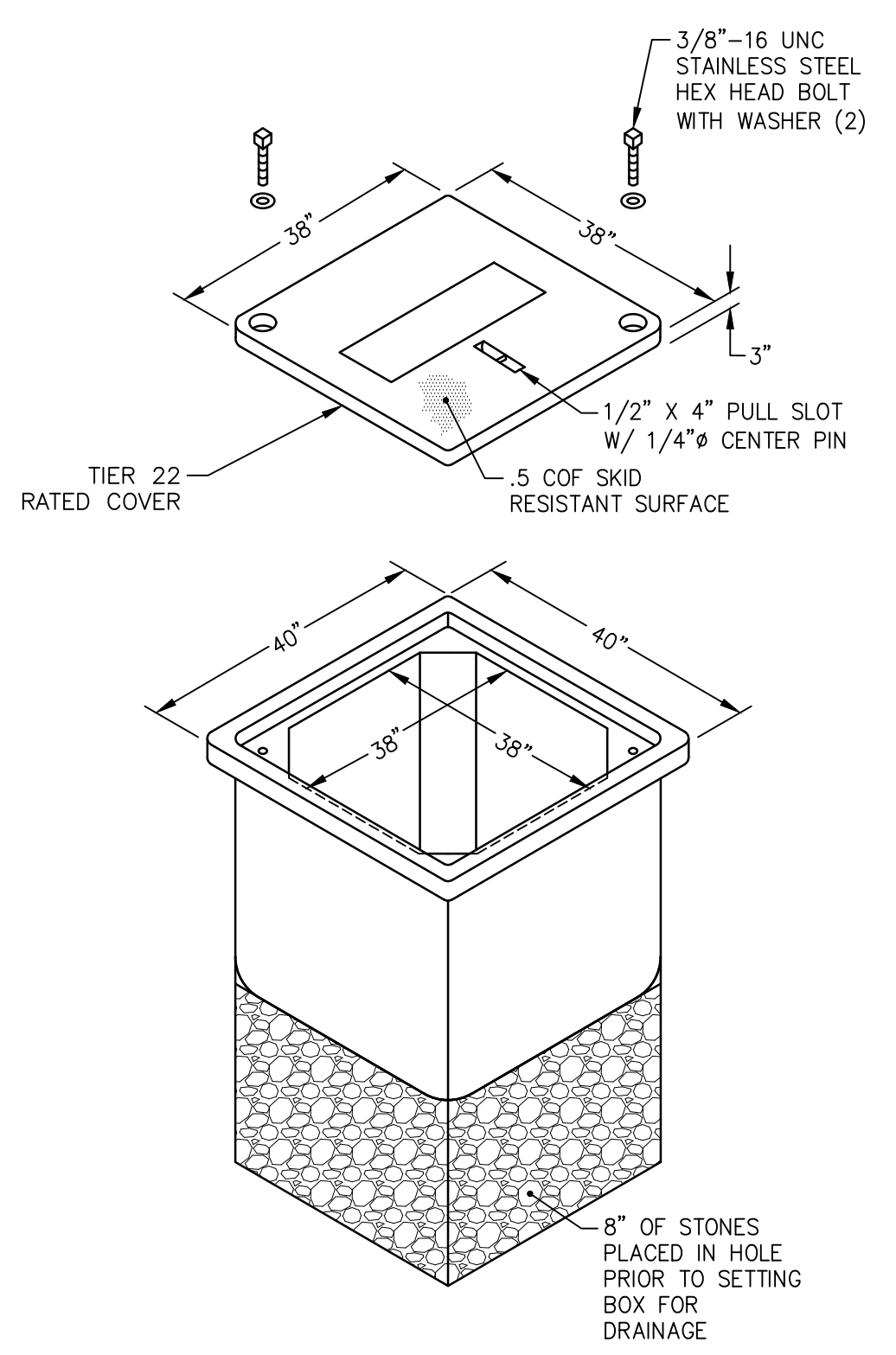
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CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY: J.Z.	DESIGN BY: J.Z.	CHECKED BY: J.Z.	SCALE: AS NOTED
DATE: 10-13-2021	SHEET No.: E-5.4		
JOB No.: 0824T062			



2 24"x24" HAND HOLE DETAIL  
N.T.S.

1 12"x12" HAND HOLE DETAIL  
N.T.S.



3 36"x36" HAND HOLE DETAIL  
N.T.S.

CONDUIT ID	DESCRIPTION
①	LINE POWER TO CONTACTORS, AND EQUIPMENT GROUNDING CONDUCTOR
②	POWER-LINE COMMUNICATION CONNECTION (DEDICATED, 20A)
③	LOAD POWER TO LIGHTING CIRCUITS, AND EQUIPMENT GROUNDING CONDUCTOR
④	CONTROL POWER

- NOTES:**
- ALL CONDUIT DIAMETERS SHOULD BE PER CODE UNLESS OTHERWISE SPECIFIED TO ALLOW FOR CONNECTOR SIZE
  - EQUIPMENT GROUNDING CONDUCTOR AND ANY SPLICES MUST BE INSULATED
  - REFER TO CONTROL AND MONITORING SYSTEM INSTALLATION INSTRUCTIONS FOR MORE DETAILS ON EQUIPMENT INFORMATION AND THE INSTALLATION REQUIREMENTS
  - IMPORTANT CONTROL WIRES ④ MUST BE IN SEPARATE CONDUIT FROM LINE AND LOAD POWER WIRES ①, ②

4 CONTROL AND MONITORING CABINET SYSTEM  
N.T.S.

**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
WEB SITE ADDRESS : WWW.RVE.COM  
Certification of Authorization: 24 CA 28003300  
"ENGINEERING EXCELLENCE"

DATE: \_\_\_\_\_  
**CHRISTOPHER A. SAPONARO**  
 NJ PROFESSIONAL ENGINEER LIC. No. 40059  
  
 DATE: 10-28-2024  
**KAVAN R. SMITH**  
 NJ PROFESSIONAL ENGINEER LIC. No. 56794

**ISSUED FOR BID**  
DATE: 10-11-2024

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.  
 ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY/CHK

**ELECTRICAL DETAILS (SPORT FIELD LIGHTING)**  
 WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 WOOLWICH TOWNSHIP  
 WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY  
 DATE: 10/22/2024 14:01 PM

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.Z.	J.Z.	J.Z.	AS NOTED
DATE:	10-13-2021	SHEET No.:	E-5.5
JOB No.:	0824T062		

LIGHT FIXTURE SCHEDULE

Table with columns: TYPE, DESCRIPTION, MOUNTING, MANUFACTURER, CATALOG NO., LAMPS, VOLTS, REMARKS. Rows include fixtures like RECESSED 2X2 FLAT PANEL, LENSED STRIPLIGHT, LED AREA LUMINAIRE, etc.

NOTE: ALL FIXTURE FINISHES/COLORS SHALL BE DETERMINED BY OWNER.

PANEL: L1. Table with columns: CKT #, CIRCUIT, BREAKER, BRANCH, DESCRIPTION, kVA PER PHASE, REMARKS, etc. Includes a summary row for total connected load (amps) and (kVA).

PANEL: S. Table with columns: CKT #, CIRCUIT, BREAKER, BRANCH, DESCRIPTION, kVA PER PHASE, REMARKS, etc. Includes a summary row for total connected load (amps) and (kVA).

PANEL: S (CONT). Table with columns: CKT #, CIRCUIT, BREAKER, BRANCH, DESCRIPTION, kVA PER PHASE, REMARKS, etc. Includes a summary row for total connected load (amps) and (kVA).



DATE: CHRISTOPHER A. SAPONARO NJ PROFESSIONAL ENGINEER LIC. NO. 40059

DATE: 10-26-2024 KAVAN R. SMITH NJ PROFESSIONAL ENGINEER LIC. NO. 56794

ISSUED FOR BID DATE: 10-11-2024

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Table with columns: NO., REVISION, DATE, BY CHK.

ELECTRICAL SCHEDULES WOOLWICH TOWNSHIP LOCKE AVE PARK CONCESSION STAND WOOLWICH TOWNSHIP GLOUCESTER COUNTY NEW JERSEY

### Lighting System

#### Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	60'	60'	1	TLC-LED-1200	1.17 kW	C
		60'	2	TLC-LED-900	1.78 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
A2	60'	60'	1	TLC-LED-1200	1.17 kW	C
		60'	2	TLC-LED-900	1.78 kW	D
		60'	2	TLC-LED-900	1.78 kW	D
		16'	1	TLC-BT-575	0.58 kW	C
		16'	1	TLC-BT-575	0.58 kW	D
A3	60'	60'	1	TLC-LED-1200	1.17 kW	D
		60'	2	TLC-LED-900	1.78 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
B1	60'	60'	3	TLC-LED-1200	3.51 kW	C
		60'	2	TLC-LED-900	1.78 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
B2	60'	60'	4	TLC-LED-1200	4.68 kW	C
		60'	3	TLC-LED-1200	3.51 kW	D
		60'	1	TLC-LED-900	0.89 kW	C
B3	60'	60'	2	TLC-LED-900	1.78 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
		16'	1	TLC-BT-575	0.58 kW	C
C1-C2	60'	60'	4	TLC-LED-1200	4.68 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
C3-C4	60'	60'	4	TLC-LED-1200	4.68 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
S1-S2	70'	70'	6	TLC-LED-1500	8.58 kW	A
		70'	6	TLC-LED-1500	8.58 kW	A
S3-S4	70'	70'	6	TLC-LED-1500	8.58 kW	B
		70'	6	TLC-LED-1500	8.58 kW	B
S5-S6	70'	70'	6	TLC-LED-1500	8.58 kW	B
<b>16</b>			<b>108</b>		<b>127.50 kW</b>	

#### Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Soccer 1	34.32 kW	24
B	Soccer 2	34.32 kW	24
C	Softball 1	29.57 kW	30
D	Softball 2	29.29 kW	30

#### Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1200	LED 5700K - 75 CRI	1170W	136,000	>120,000	>120,000	>120,000	33
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	15
TLC-LED-1500	LED 5700K - 75 CRI	1430W	160,000	>120,000	>120,000	>120,000	48
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	12

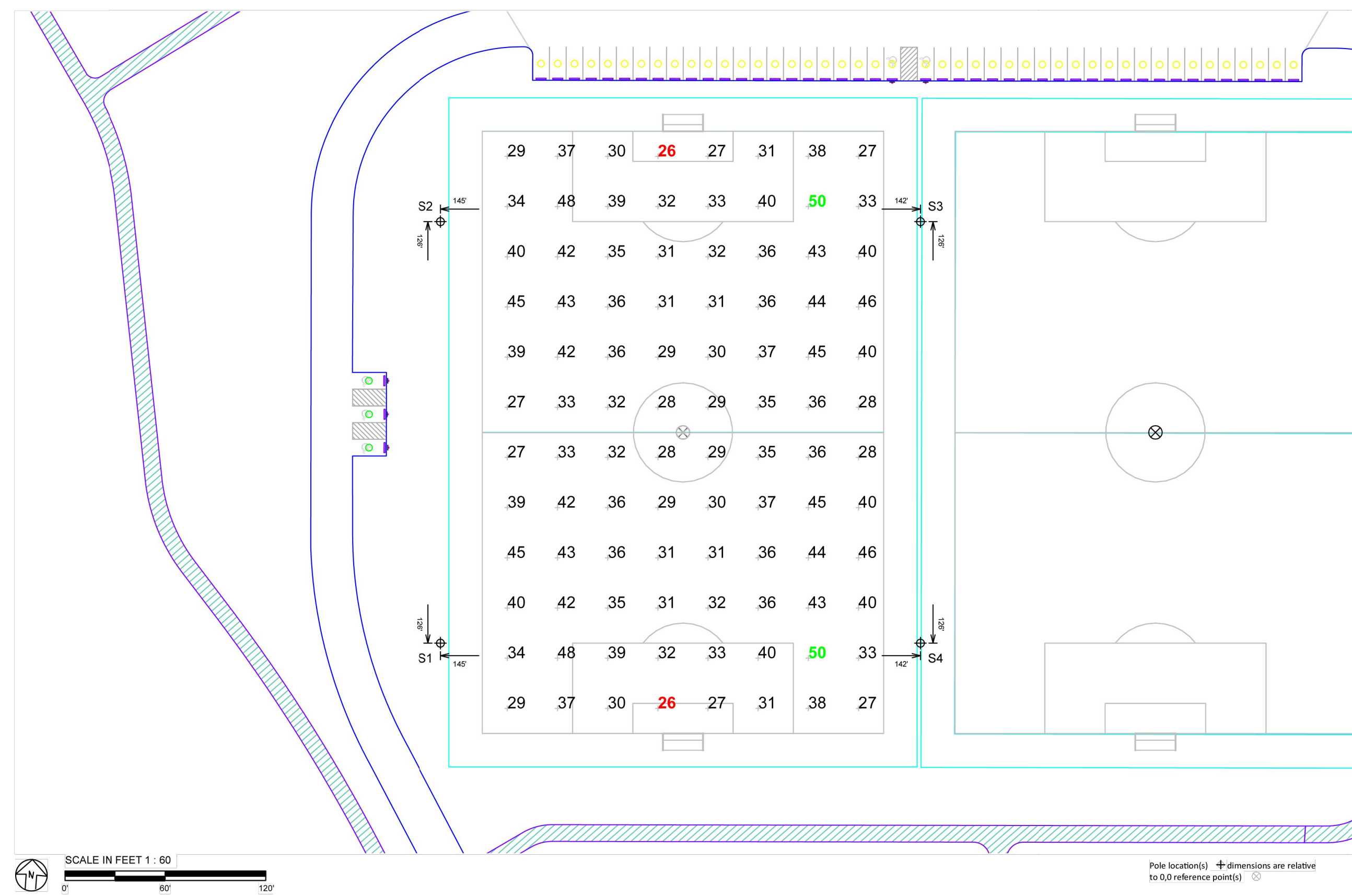
#### Light Level Summary

##### Calculation Grid Summary

Grid Name	Calculation Metric	Illumination				Circuits	Fixture Qty
		Ave	Min	Max	Ave/Min		
150' Glare	Max Candela (by Fixture)	1367	16.3	6894	424.00	84.05	108
150' Spill	Horizontal	0.02	0	0.11	0.00		108
150' Spill	Max Vertical Illuminance Metric	0.06	0	0.33	1176.22		108
Soccer 1	Horizontal Illuminance	35.6	26	50	1.88	1.37	A
Soccer 2	Horizontal Illuminance	35.5	26	49	1.85	1.37	B
Softball 1 (Infield)	Horizontal Illuminance	51.3	40	62	1.56	1.28	C

Pole		Luminaires						
QTY	LOCATION	SIZE	ELEVATION	WORKING HEIGHT	LUMINAIRE TYPE	QTY	SIZE	OTHER QTY
2	S1-S2	70'	70'	70'	TLC-LED-1500	6	6	0
2	S3-S4	70'	70'	70'	TLC-LED-1500	6	6	0
4						36	24	12

\* This structure utilizes a back-to-back mounting configuration

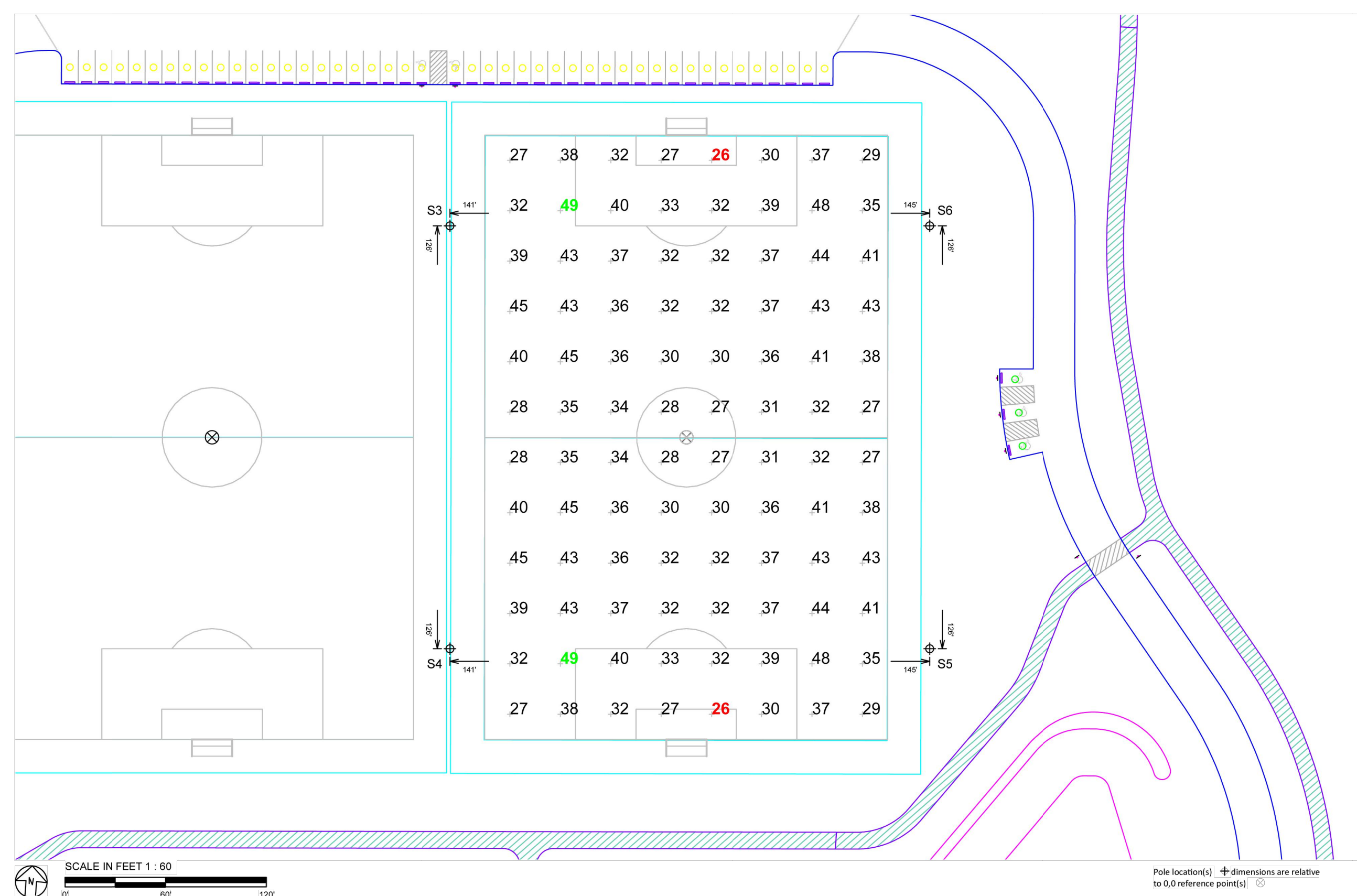


### 1 SOCCER FIELD 1 ILLUMINATION SUMMARY

SCALE: 1" = 60' - 0"

Pole		Luminaires						
QTY	LOCATION	SIZE	ELEVATION	WORKING HEIGHT	LUMINAIRE TYPE	QTY	SIZE	OTHER QTY
2	S3-S4	70'	70'	70'	TLC-LED-1500	6	6	0
2	S5-S6	70'	70'	70'	TLC-LED-1500	6	6	0
4						36	24	12

\* This structure utilizes a back-to-back mounting configuration



### 2 SOCCER FIELD 2 ILLUMINATION SUMMARY

SCALE: 1" = 60' - 0"

### Locke Avenue Park Soccer

Swedesboro, NJ

GRID SUMMARY	
Name:	Soccer 1
Size:	360' x 240'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	30
Scan Average:	35.62
Maximum:	50
Minimum:	26
Avg / Min:	1.35
Guaranteed Max / Min:	2.3
Max / Min:	1.88
UG (adjacent pts):	1.51
CU:	0.81
No. of Points:	96

LUMINAIRE INFORMATION:  
Applied Circuits: A  
No. of Luminaires: 24  
Total Load: 34.32 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

### Locke Avenue Park Soccer

Swedesboro, NJ

GRID SUMMARY	
Name:	Soccer 2
Size:	360' x 240'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	30
Scan Average:	35.54
Maximum:	49
Minimum:	26
Avg / Min:	1.34
Guaranteed Max / Min:	2.3
Max / Min:	1.85
UG (adjacent pts):	1.55
CU:	0.81
No. of Points:	96

LUMINAIRE INFORMATION:  
Applied Circuits: B  
No. of Luminaires: 24  
Total Load: 34.32 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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DATE: 10-28-2024  
**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. NO. 56794

### ISSUED FOR BID

DATE: 10-11-2024

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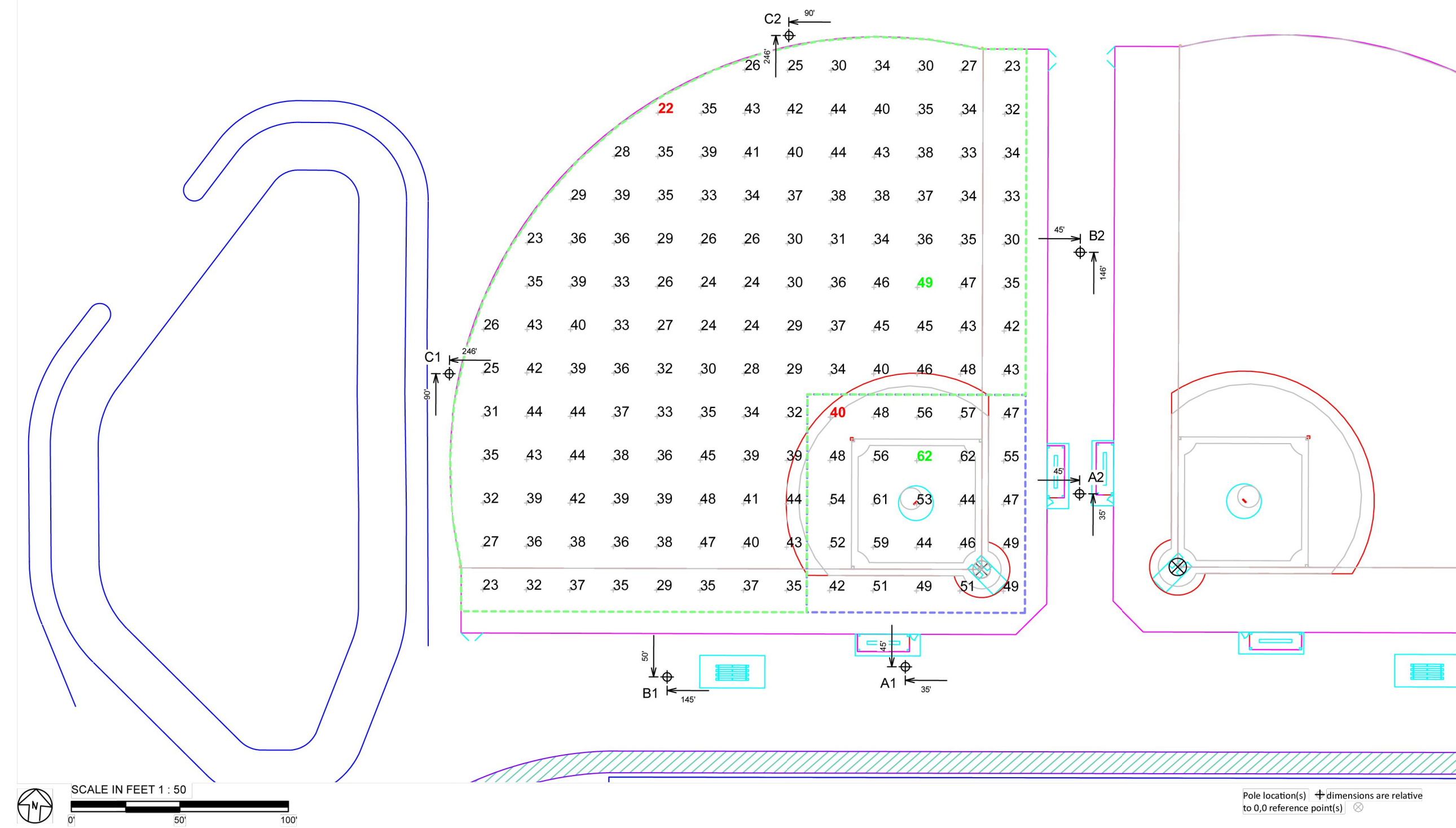
**SPORTS LIGHTING PHOTOMETRICS (FOR REFERENCE ONLY)**

WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.Z.	J.Z.	J.Z.	AS NOTED
DATE:	DATE:	SHEET No.:	
10-13-2021		R-1	
JOB No.:			
0824T062			

EQUIPMENT LIST FOR AREAS SHOWN											
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	Luminaires		OFF/ORB	SIC	OTHER	GROUPS
						POLE	NO.				
1	A1	60'	-	60'	TLC-LED-900	2/2"	2	2	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
1	A2	60'	-	60'	TLC-LED-1200	1/1"	1	1	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
1	B1	60'	-	60'	TLC-LED-900	2/2"	2	2	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
				60'	TLC-LED-1200	3/3"	3	3	0		
1	B2	60'	-	60'	TLC-LED-900	1/2"	1	2	0		
				15'	TLC-87-575	1/1"	1	1	0		
				60'	TLC-LED-1200	4/3"	4	3	0		
2	C1-C2	60'	-	15.5'	TLC-87-575	1/1"	1	0			
				60'	TLC-LED-1200	4/4"	4	4	0		
TOTALS							40	30	10		

\* This structure utilizes a back-to-back mounting configuration



**1 SOFTBALL FIELD 1 ILLUMINATION SUMMARY**  
SCALE: 1" = 50' - 0"

GRID SUMMARY	
Name:	Softball 1
Size:	240'x265' / 240' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

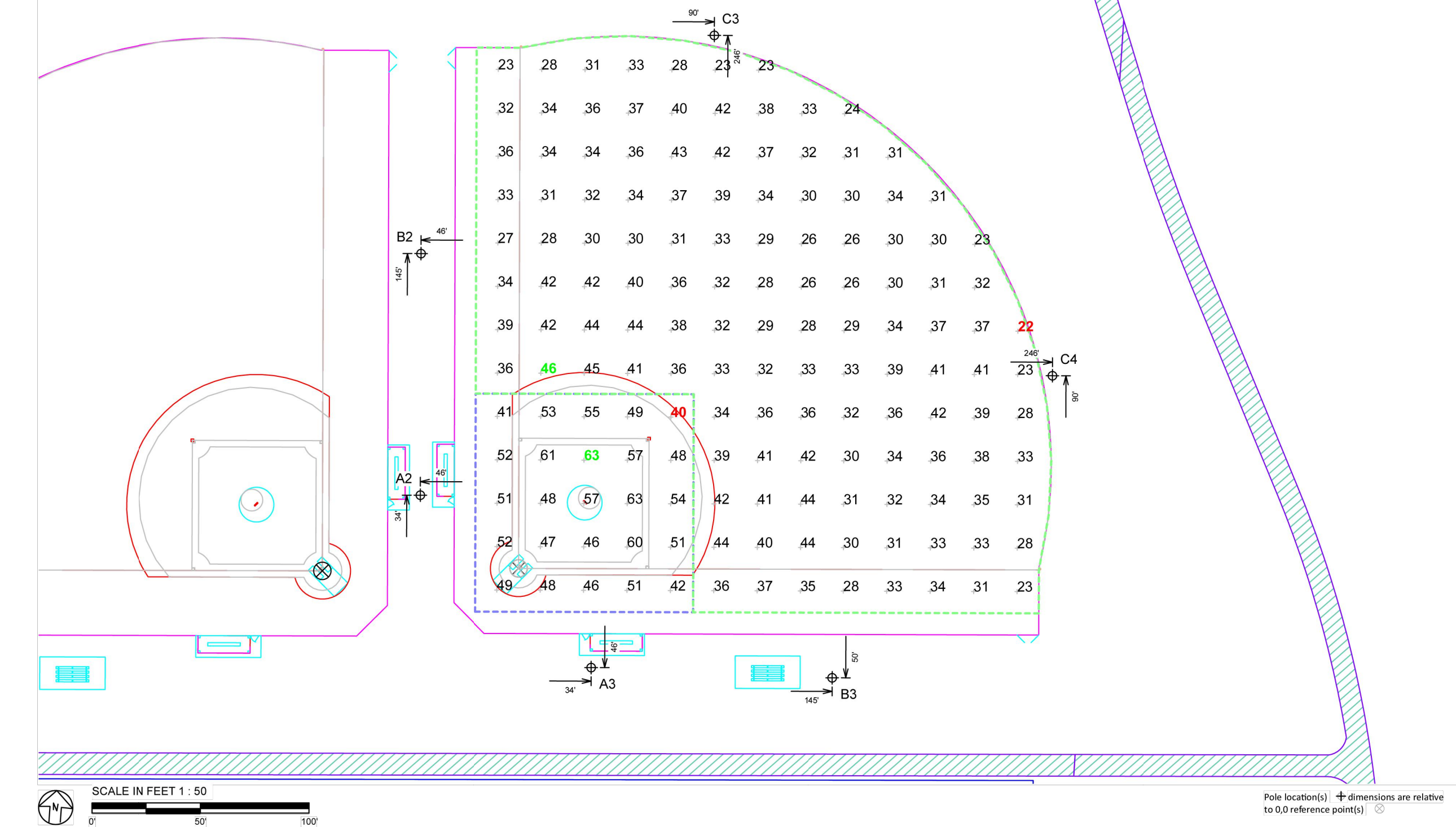
ILLUMINATION SUMMARY		
MAIN IRRADIATED HORIZONTAL FOOTCANDLES	Infield	Outfield
	Guaranteed Average:	50
Scan Average:	51.27	35.50
Maximum:	62	49
Minimum:	40	22
Avg / Min:	1.29	1.58
Guaranteed Max / Min:	2	2.5
Max / Min:	1.56	2.17
UG (adjacent pts):	1.40	1.71
CU:	0.72	
No. of Points:	25	127

LUMINAIRE INFORMATION	
Applied Circuit(s):	C
No. of Luminaires:	30
Total Load:	29.57 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN											
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	Luminaires		OFF/ORB	SIC	OTHER	GROUPS
						POLE	NO.				
1	A2	60'	-	60'	TLC-LED-900	2/2"	2	2	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
1	A3	60'	-	60'	TLC-LED-1200	1/1"	1	1	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
1	B2	60'	-	60'	TLC-LED-900	1/2"	2	1	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
				60'	TLC-LED-1200	4/3"	3	4	0		
1	B3	60'	-	60'	TLC-LED-900	2/2"	2	2	0		
				15.5'	TLC-87-575	1/1"	1	1	0		
				60'	TLC-LED-1200	3/3"	3	3	0		
2	C3-C4	60'	-	15.5'	TLC-87-575	1/1"	1	0			
				60'	TLC-LED-1200	4/4"	4	4	0		
TOTALS							40	30	10		

\* This structure utilizes a back-to-back mounting configuration



**2 SOFTBALL FIELD 2 ILLUMINATION SUMMARY**  
SCALE: 1" = 50' - 0"

GRID SUMMARY	
Name:	Softball 2
Size:	240'x265' / 240' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY		
MAIN IRRADIATED HORIZONTAL FOOTCANDLES	Infield	Outfield
	Guaranteed Average:	50
Scan Average:	51.32	33.91
Maximum:	63	46
Minimum:	40	22
Avg / Min:	1.29	1.51
Guaranteed Max / Min:	2	2.5
Max / Min:	1.58	2.03
UG (adjacent pts):	1.31	1.82
CU:	0.70	
No. of Points:	25	127

LUMINAIRE INFORMATION	
Applied Circuit(s):	D
No. of Luminaires:	30
Total Load:	29.29 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

**RVE**  
1901

**REMINGTON & VERNICK ENGINEERS**

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CHERRY HILL, NJ 08003  
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-ENGINEERING EXCELLENCE-

DATE: \_\_\_\_\_

**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. NO. 40059

*Christopher A. Saponaro*

DATE: 10-28-2024

**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. NO. 56794

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**SPORTS LIGHTING PHOTOMETRICS (FOR REFERENCE ONLY)**

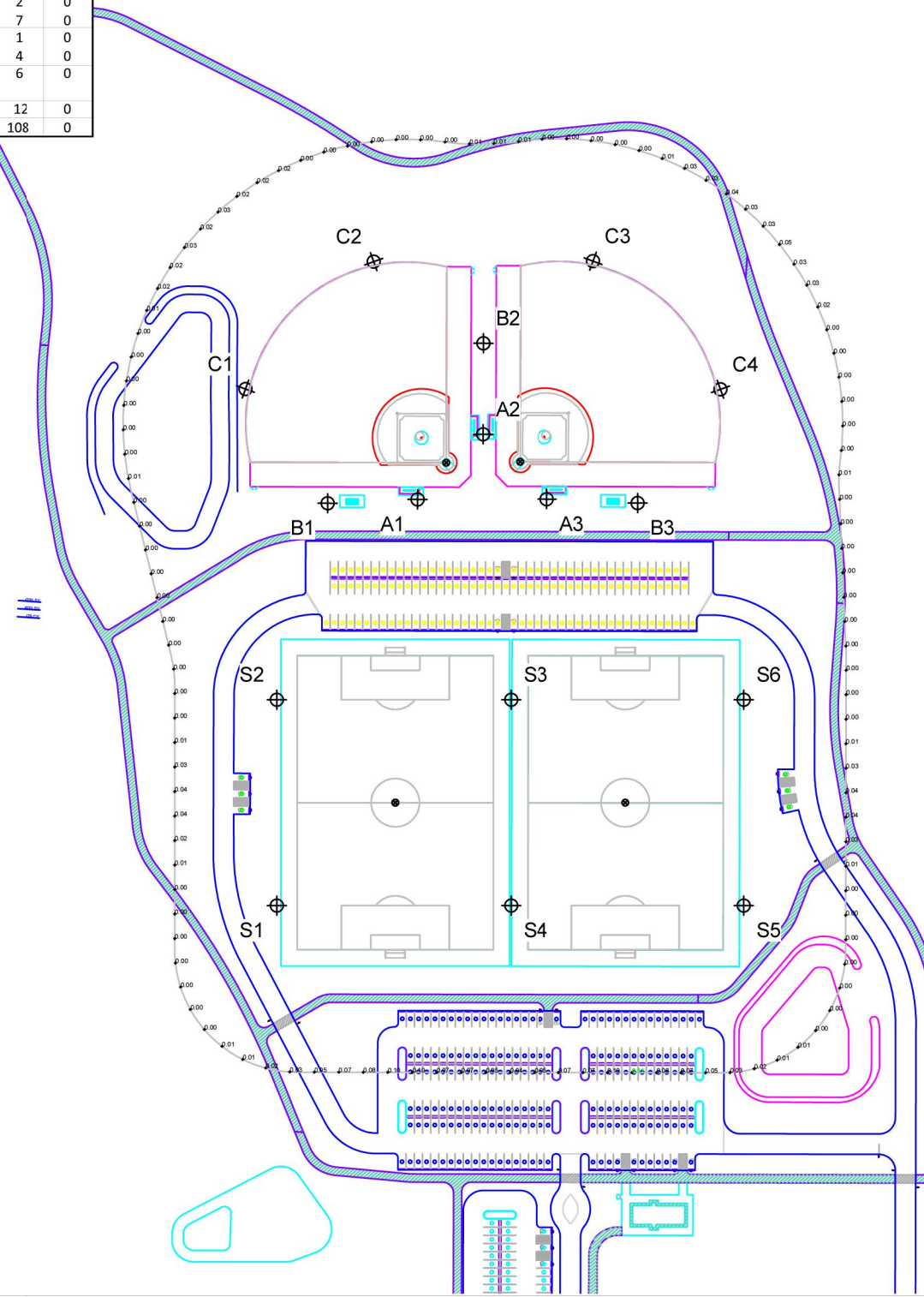
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
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DATE:	SHEET No.:		
10-13-2021	R-2		
JOB No.:			
0824T062			



EQUIPMENT LIST FOR AREAS SHOWN									
QTY	LOCATION	POLE	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	Luminaires			
						TYPE	QTY	TSB	OTHER
2	A1, A3	60'	-	60'	15.5'	TLC-LED-900	2	2	0
1	A2	60'	-	60'	15.5'	TLC-LED-1200	1	1	0
1	B1, B3	60'	-	60'	15.5'	TLC-LED-900	2	2	0
2	B2	60'	-	60'	15.5'	TLC-LED-1200	1	1	0
1	B4	60'	-	60'	15.5'	TLC-LED-900	2	2	0
4	C1-C4	60'	-	60'	15.5'	TLC-LED-900	4	4	0
4	S1-S2	70'	-	70'	15.5'	TLC-LED-1500	6	6	0
4	S3-S4	70'	-	70'	15.5'	TLC-LED-1500	6	6	0
16	TOTALS						108	108	0

\* This structure utilizes a back-to-back mounting configuration



1 SITE ILLUMINATION SUMMARY - 150' SPILL  
SCALE: 1" = 200' - 0"

**Locke Avenue Park Soccer**  
Swedesboro, NJ

GRID SUMMARY	
Name:	150' Spill
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
ENTRANCE FOOT-CANDELA	
Scan Average:	0.0189
Maximum:	0.11
Minimum:	0.00
No. of Points:	119

LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D
No. of Luminaires:	108
Total Load:	127.5 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume a 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. No. 56794

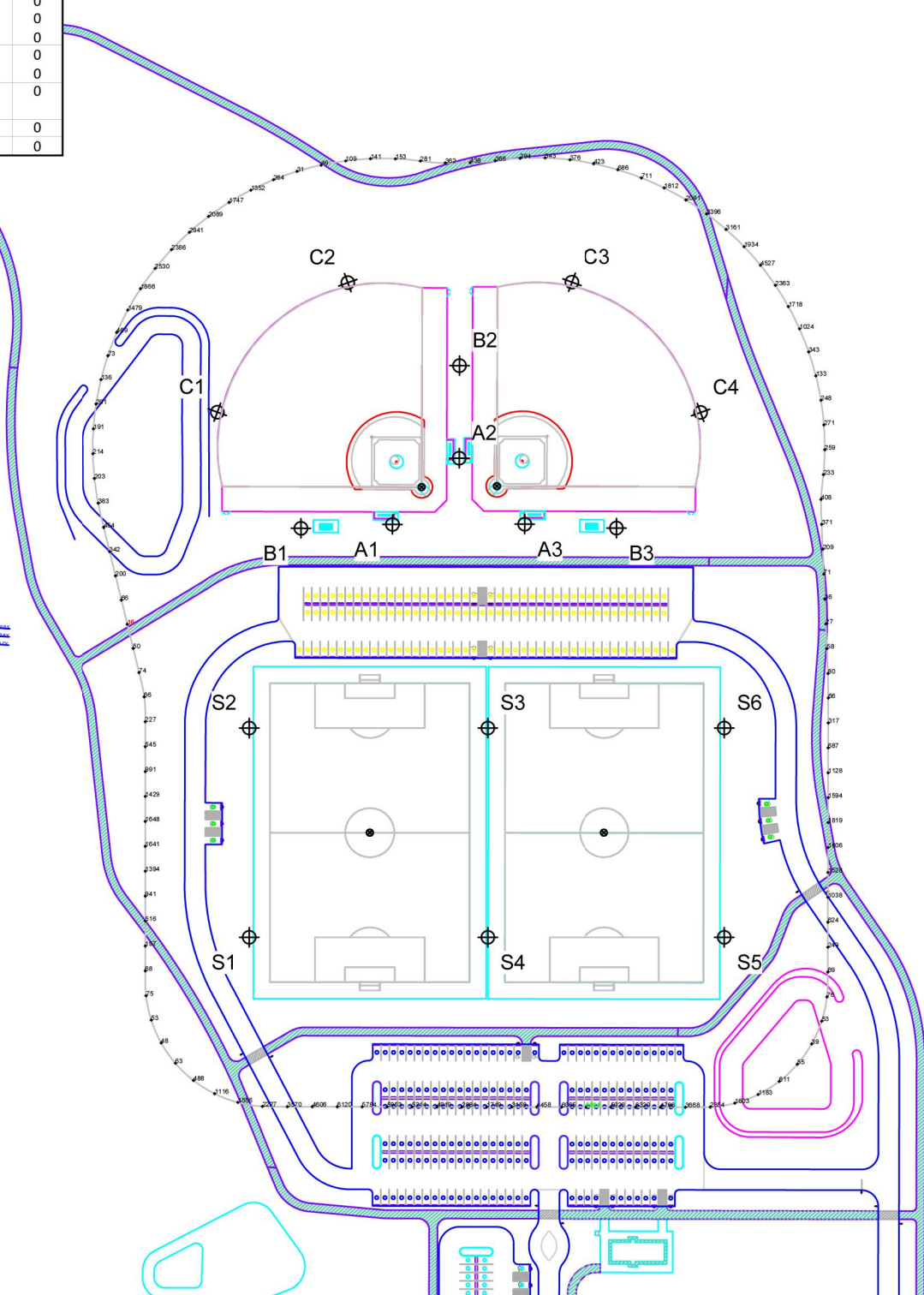
**ISSUED FOR BID**  
DATE: 10-11-2024

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

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EQUIPMENT LIST FOR AREAS SHOWN									
QTY	LOCATION	POLE	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	Luminaires			
						TYPE	QTY	TSB	OTHER
2	A1, A3	60'	-	60'	15.5'	TLC-LED-900	2	2	0
1	A2	60'	-	60'	15.5'	TLC-LED-1200	1	1	0
1	B1, B3	60'	-	60'	15.5'	TLC-LED-900	2	2	0
2	B2	60'	-	60'	15.5'	TLC-LED-1200	1	1	0
1	B4	60'	-	60'	15.5'	TLC-LED-900	2	2	0
4	C1-C4	60'	-	60'	15.5'	TLC-LED-900	4	4	0
4	S1-S2	70'	-	70'	15.5'	TLC-LED-1500	6	6	0
4	S3-S4	70'	-	70'	15.5'	TLC-LED-1500	6	6	0
16	TOTALS						108	108	0

\* This structure utilizes a back-to-back mounting configuration



2 SITE ILLUMINATION SUMMARY - 150' GLARE  
SCALE: 1" = 200' - 0"

**Locke Avenue Park Soccer**  
Swedesboro, NJ

GRID SUMMARY	
Name:	150' Glare
Spacing:	30.0'
Height:	5.0' above grade

ILLUMINATION SUMMARY	
CANDELA (PER FOOT-CANDELA)	
Scan Average:	1366.6587
Maximum:	6893.53
Minimum:	16.26
No. of Points:	119

LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D
No. of Luminaires:	108
Total Load:	127.5 kW

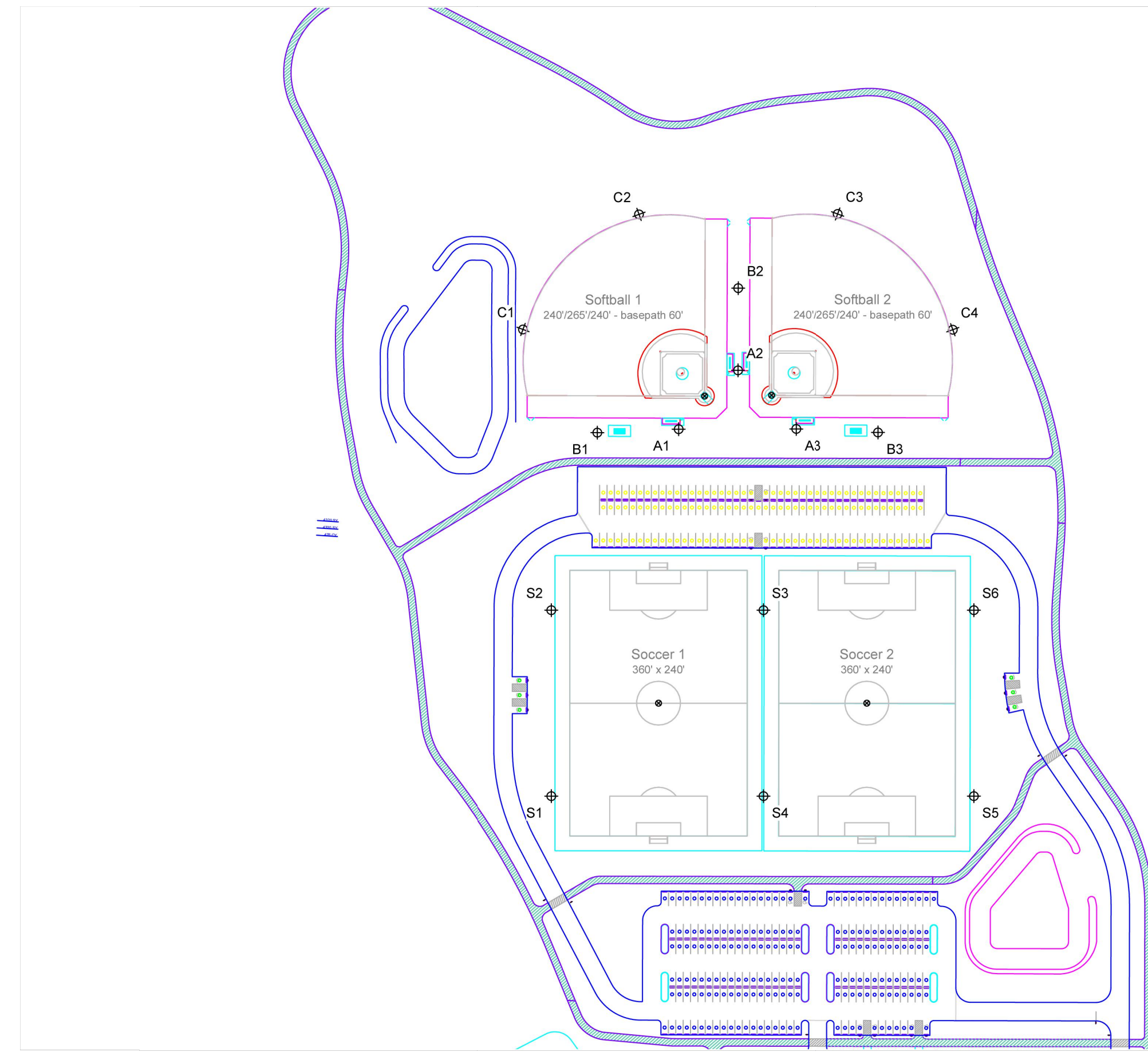
**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume a 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

NO.	DATE	BY	CHK	REVISION

**SPORTS LIGHTING PHOTOMETRICS (FOR REFERENCE ONLY)**

WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
J.Z.	J.Z.	J.Z.	AS NOTED
DATE:	SHEET No.:		R-3
10-13-2021	0824T062		



SCALE IN FEET 1" = 150'

Pole location(s) + dimensions are relative to 0.0 reference point(s)

**1 SITE ILLUMINATION SUMMARY**  
SCALE: 1" = 150' - 0"

**Locke Avenue Park Soccer**  
Swedesboro, NJ

**EQUIPMENT LAYOUT**

**INCLUDES:**  
- Soccer 1  
- Soccer 2  
- Softball 1  
- Softball 2

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume a 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

**EQUIPMENT LIST FOR AREAS SHOWN**

QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	Luminaires		FT/LUM
					COURSE	TYPE	
2	A1, A3	60'	-	60'	TLC-LED-900	2	30
1	A2	60'	-	15.5'	TLC-8T-575	1	15.5
1	A2	60'	-	60'	TLC-LED-1300	1	60
1	A2	60'	-	60'	TLC-LED-900	2	120
1	A2	60'	-	15.5'	TLC-8T-575	1	15.5
1	A2	60'	-	60'	TLC-LED-1300	1	60
1	A2	60'	-	60'	TLC-LED-900	2	120
1	B2	60'	-	15.5'	TLC-8T-575	1	15.5
1	B2	60'	-	60'	TLC-LED-1300	1	60
1	B2	60'	-	60'	TLC-LED-900	2	120
4	C1-C4	60'	-	15.5'	TLC-8T-575	1	15.5
4	S1-S2	70'	-	70'	TLC-LED-1500	6	420
2	S3-S4	70'	-	70'	TLC-LED-1500	6	420
16				70'	TLC-LED-1500	6/6*	108

\*This structure utilizes a back-to-back mounting configuration

**SINGLE LUMINAIRE AMPERAGE DRAW CHART**

Ballast Specifications Line-to-neutral	Line Amperage Per Luminaire per foot			
	208	220	240	277
Single Phase Voltage	208	220	240	277
TLC-LED-1300	7.9	8.4	9.1	10.4
TLC-LED-900	5.3	5.0	4.6	4.0
TLC-LED-1500	8.3	8.1	7.4	8.4
TLC-8T-575	3.4	3.2	2.9	2.5



**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
WEB SITE ADDRESS : WWW.RVE.COM  
Certification of Authorization: 24 CA 28003300  
~ENGINEERING EXCELLENCE~

DATE:  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

*Christopher A. Saponaro*  
DATE: 10-28-2024  
**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. No. 56794

**ISSUED FOR BID**  
DATE: 10-11-2024

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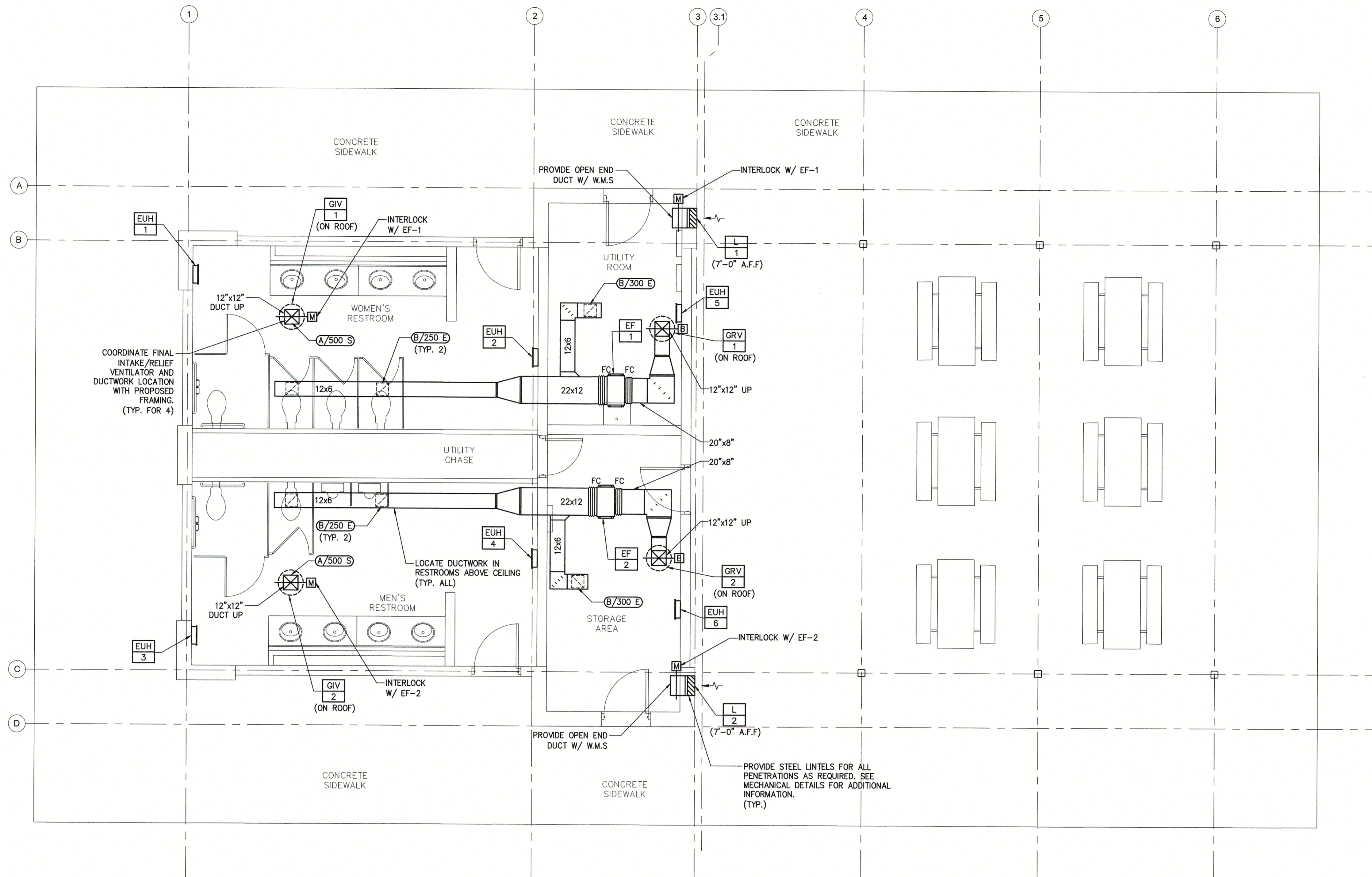
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NO.	REVISION	DATE	BY	CHK

**SPORTS LIGHTING PHOTOMETRICS (FOR REFERENCE ONLY)**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY: J.Z.    DESIGN BY: J.Z.    CHECKED BY:    SCALE: AS NOTED  
DATE: 10-13-2021    SHEET No.: R-4  
JOB No.: 0824T062





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

**NOTES:**

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
- THIS NEW WORK PLAN HAS BEEN PROVIDED AS A GUIDE TO CONVEY THE DESIGN INTENT. ALL NEW WORK REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
- DUCTWORK ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE EQUIPMENT/ DUCTWORK INSTALLATION WITH ALL STRUCTURAL FRAMING, ELECTRICAL CONDUIT, SYSTEMS WIRING/ CABLE, FIRE PROTECTION PIPING, PLUMBING PIPING (SANITARY DRAINAGE, ROOF DRAINAGE, DOMESTIC HOT/ COLD WATER AND GAS PIPING), ETC., AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW DUCTWORK OR PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

**RVE**  
1901  
**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
WEB SITE ADDRESS: WWW.RVE.COM  
Certification of Authorization: 24 GA 28003300  
—ENGINEERING EXCELLENCE—

DATE: 10-11-2024  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

**ISSUED FOR BID**  
DATE: 10-11-2024

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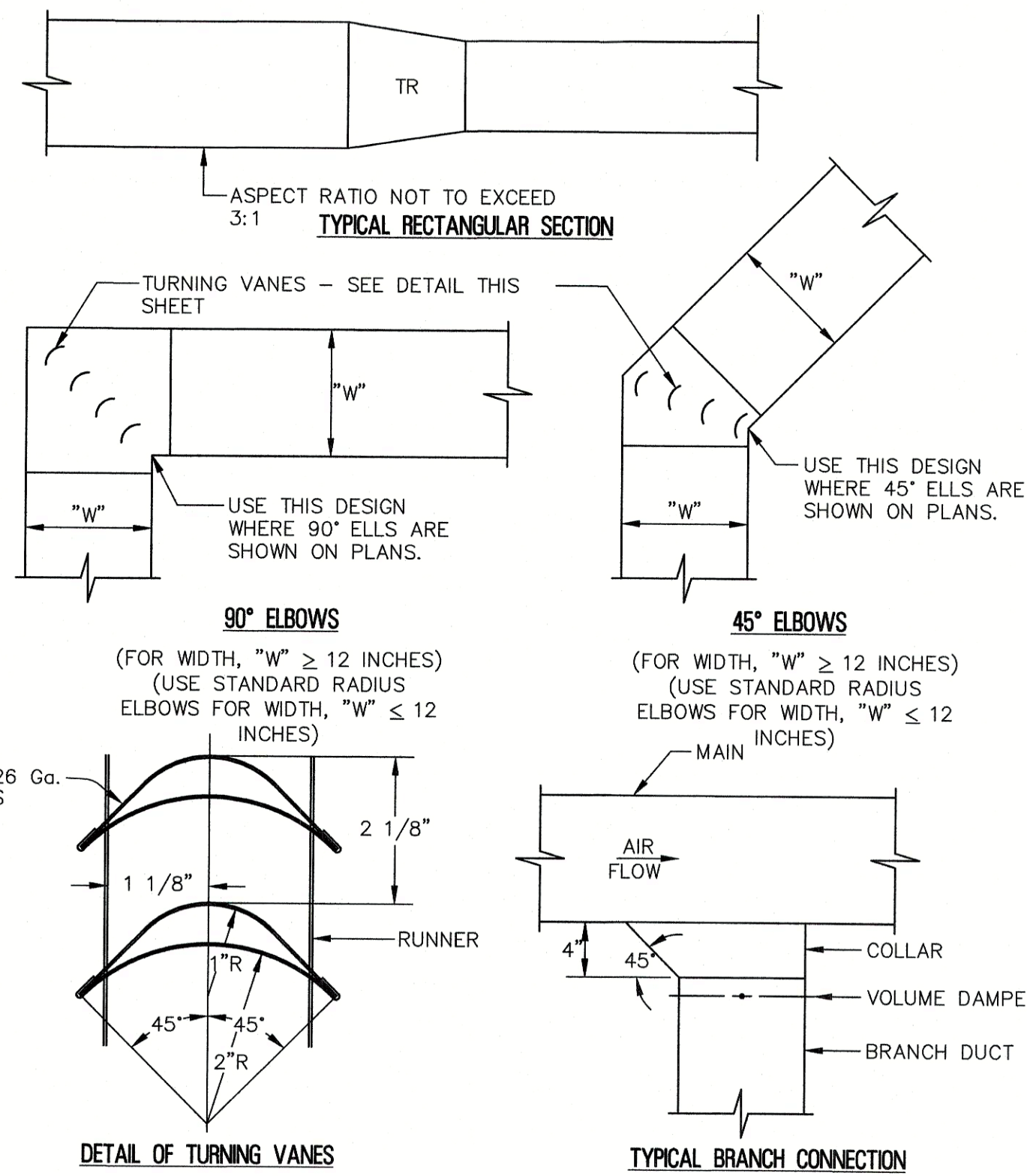
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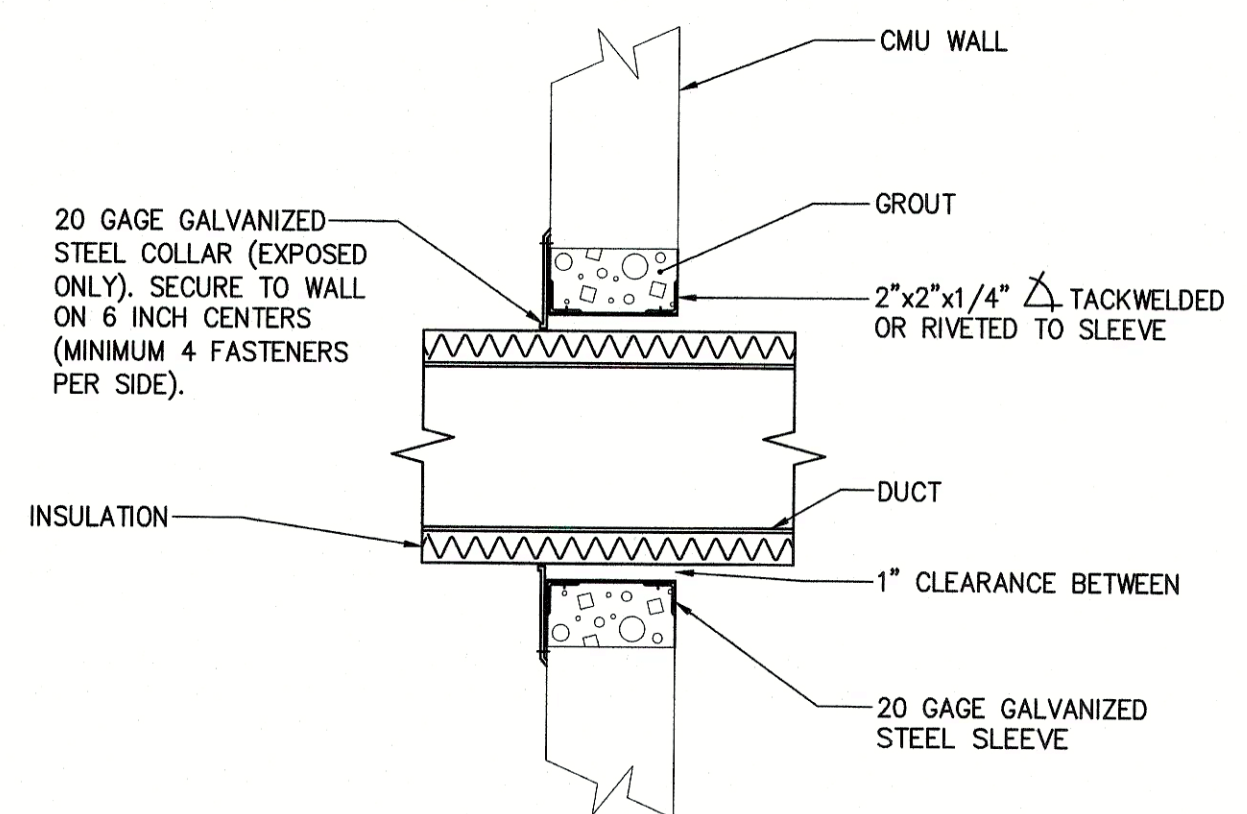
**MECHANICAL FLOOR PLAN**

WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY  
NEW JERSEY

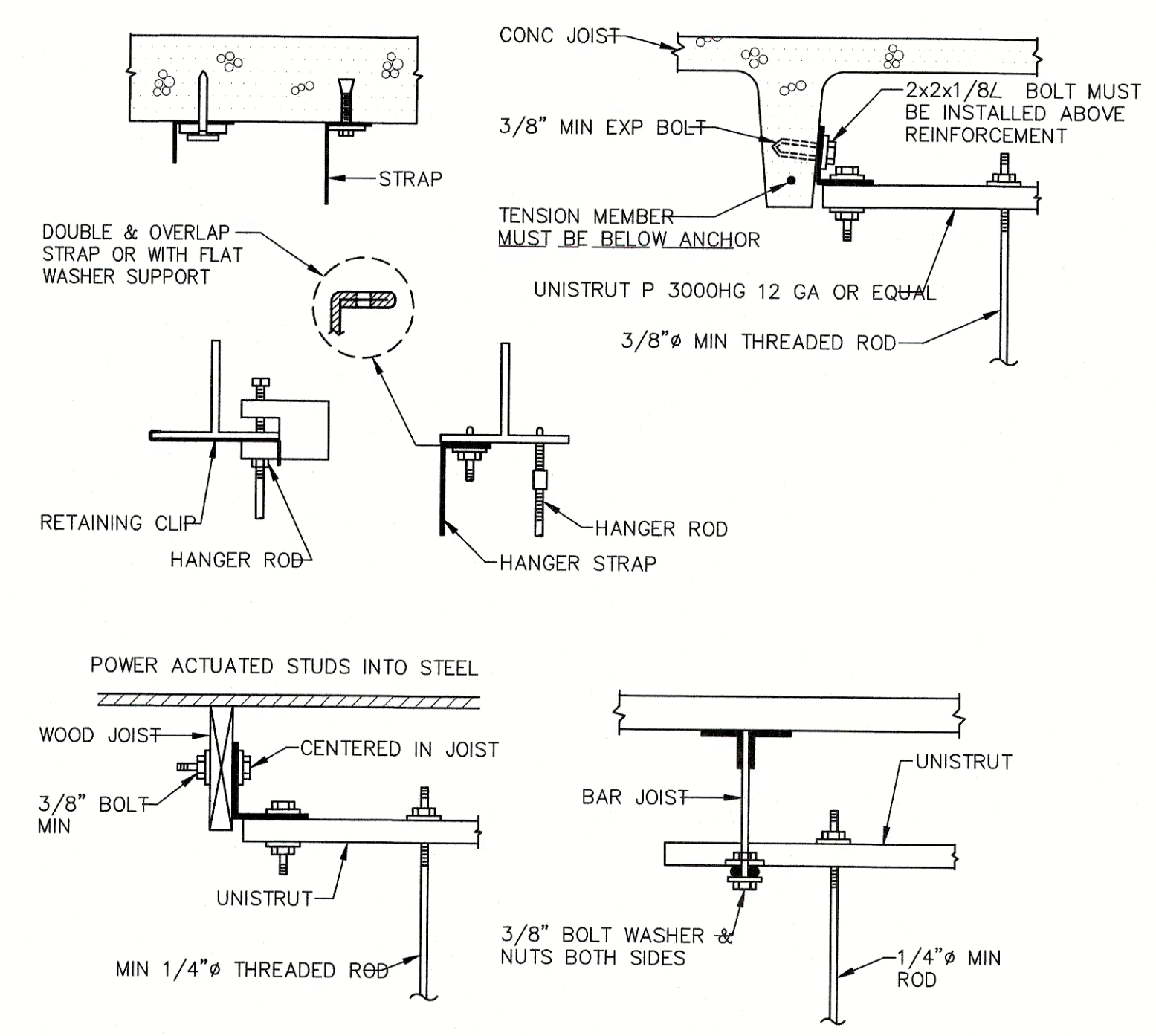
DRAWN BY: <b>BZ</b>	DESIGN BY: <b>TK</b>	CHECKED BY: <b>TK</b>	SCALE: AS NOTED
DATE: 10-13-2021	SHEET No.: <b>M-2.1</b>		
JOB No.: 0824T062			



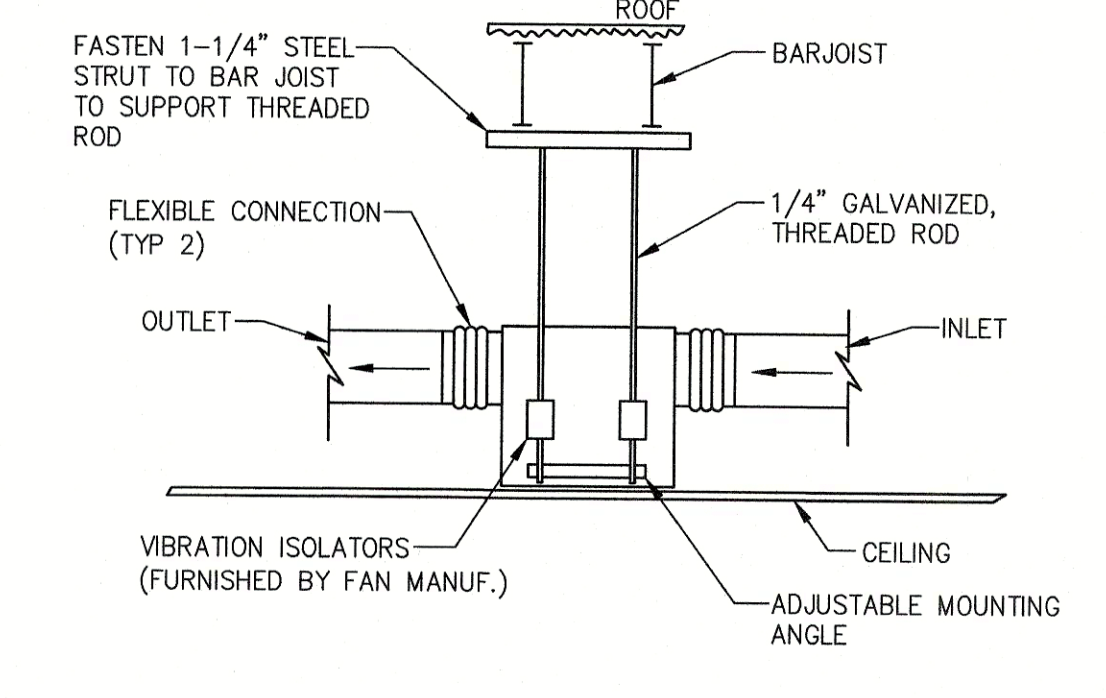
**1 DETAILS OF DUCT LAYOUT**  
N.T.S.



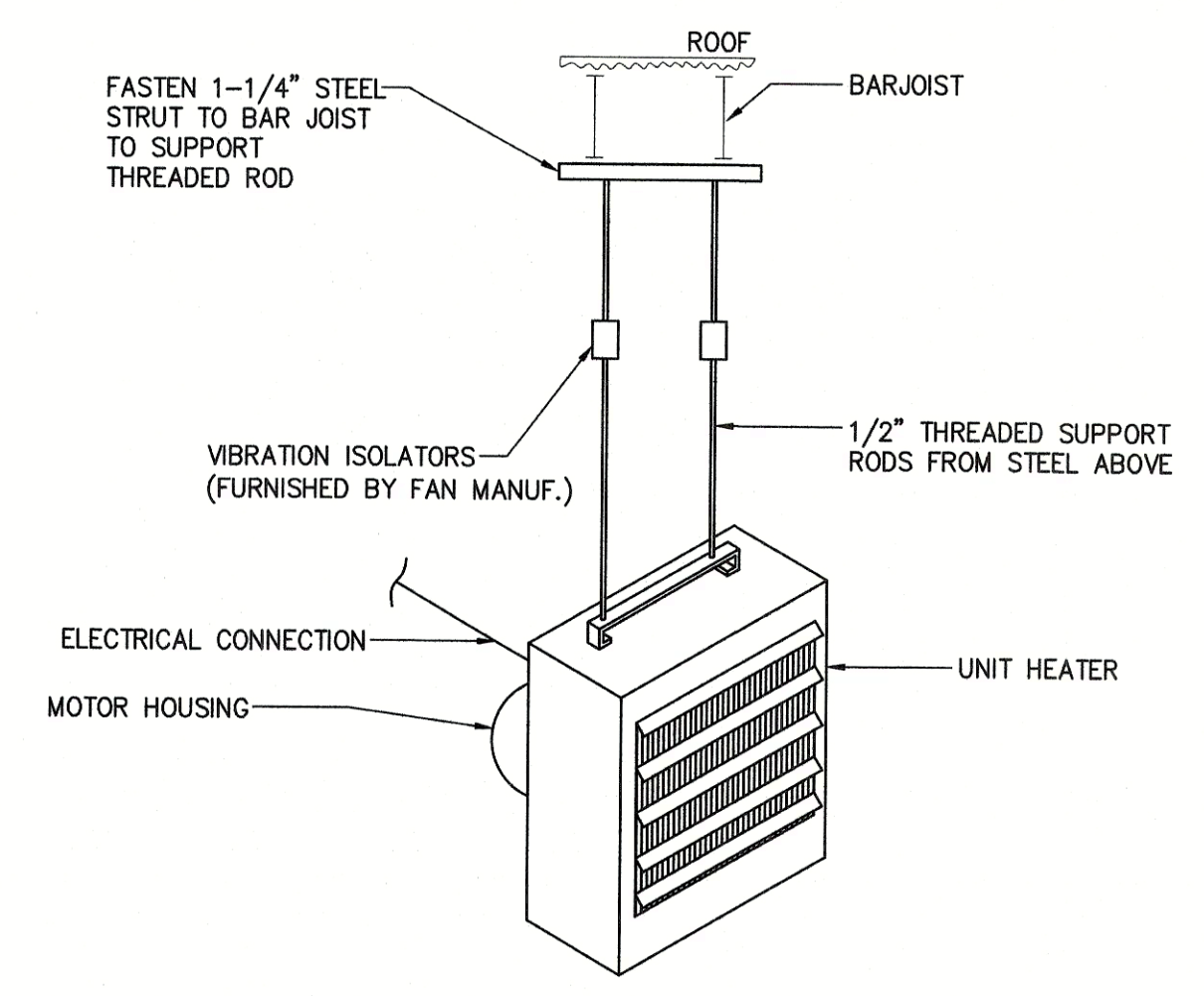
**2 DUCT PENETRATION THROUGH WALL DETAIL (NOT APPLICABLE TO FIRE-RATED WALLS)**  
N.T.S.



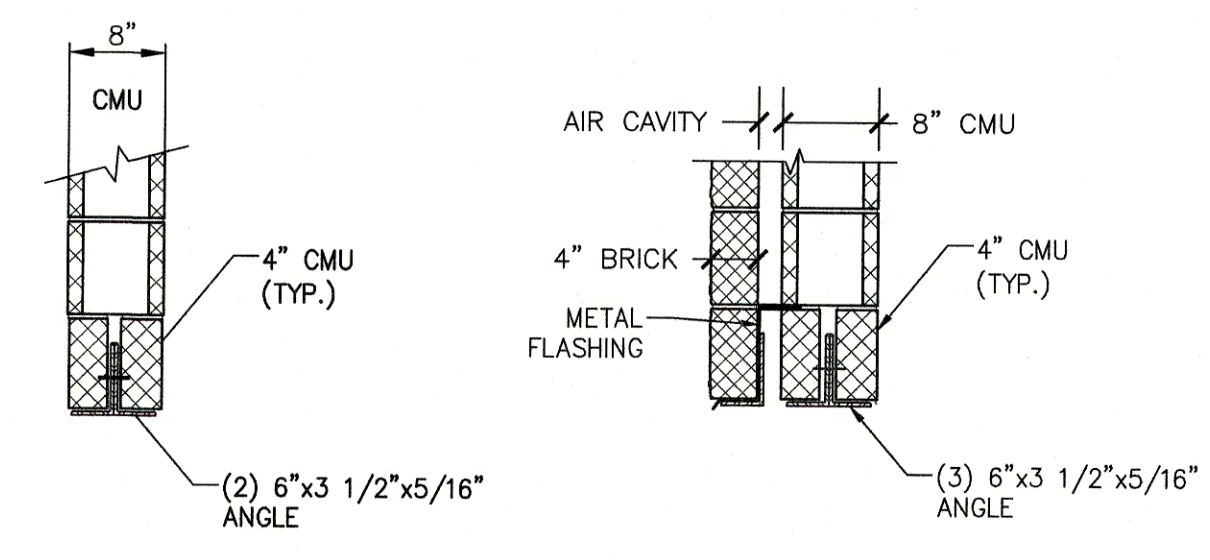
**3 UPPER ATTACHEMENT AND JOIST HANGERS FOR DUCTWORK DETAIL**  
N.T.S.



**4 INLINE FAN DETAIL**  
N.T.S.



**5 ELECTRIC FAN-FORCED HEATER UNIT DETAIL**  
N.T.S.



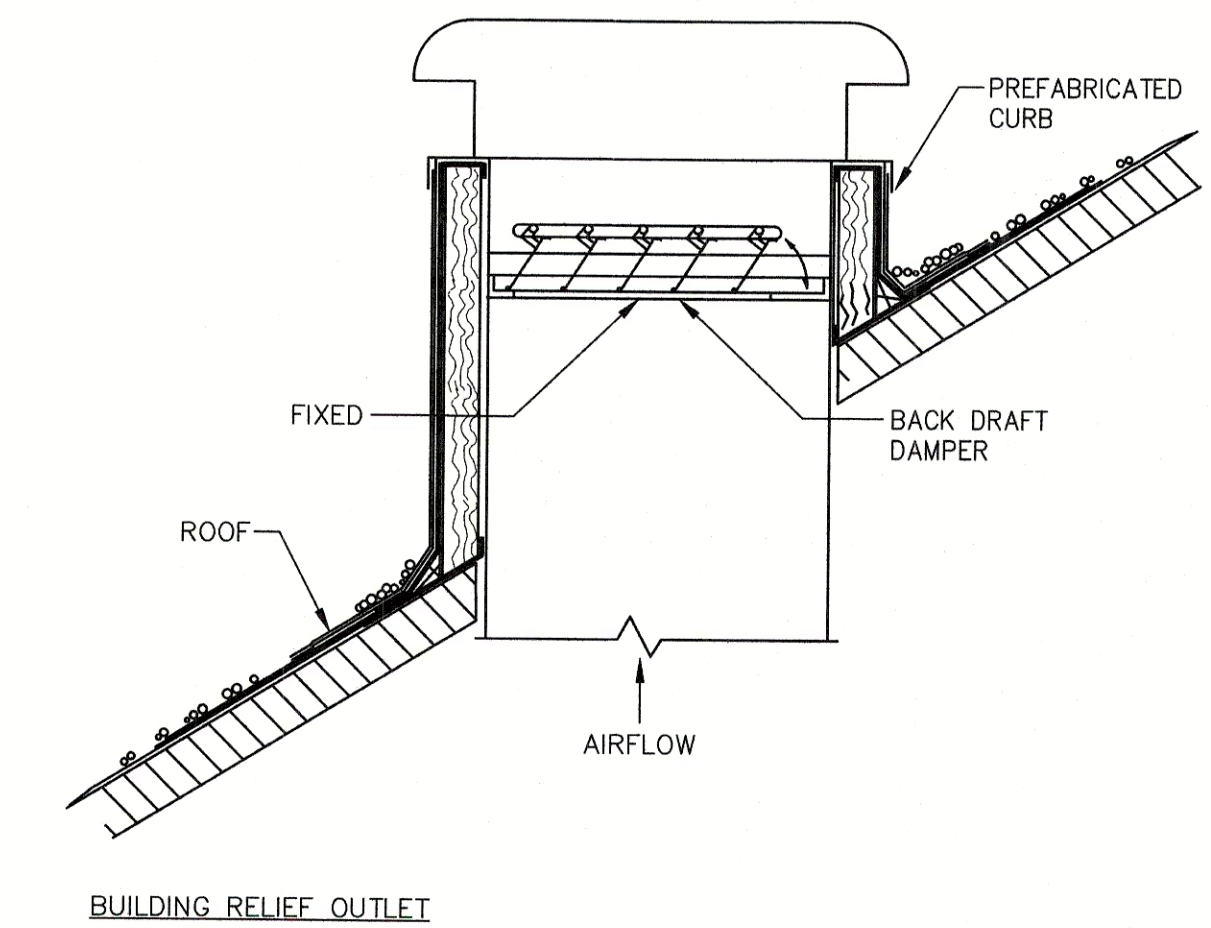
**GENERAL NOTES:**  
1. GROUT CELLS UNDER LINTEL SOLID FOR 8" BEARING & PROVIDE FULL BED MORTAR @ ANCHORS.  
2. ALL LINTELS SHALL BEAR A MINIMUM OF 8" ON BLOCK.

**STEEL LINTEL SCHEDULE**

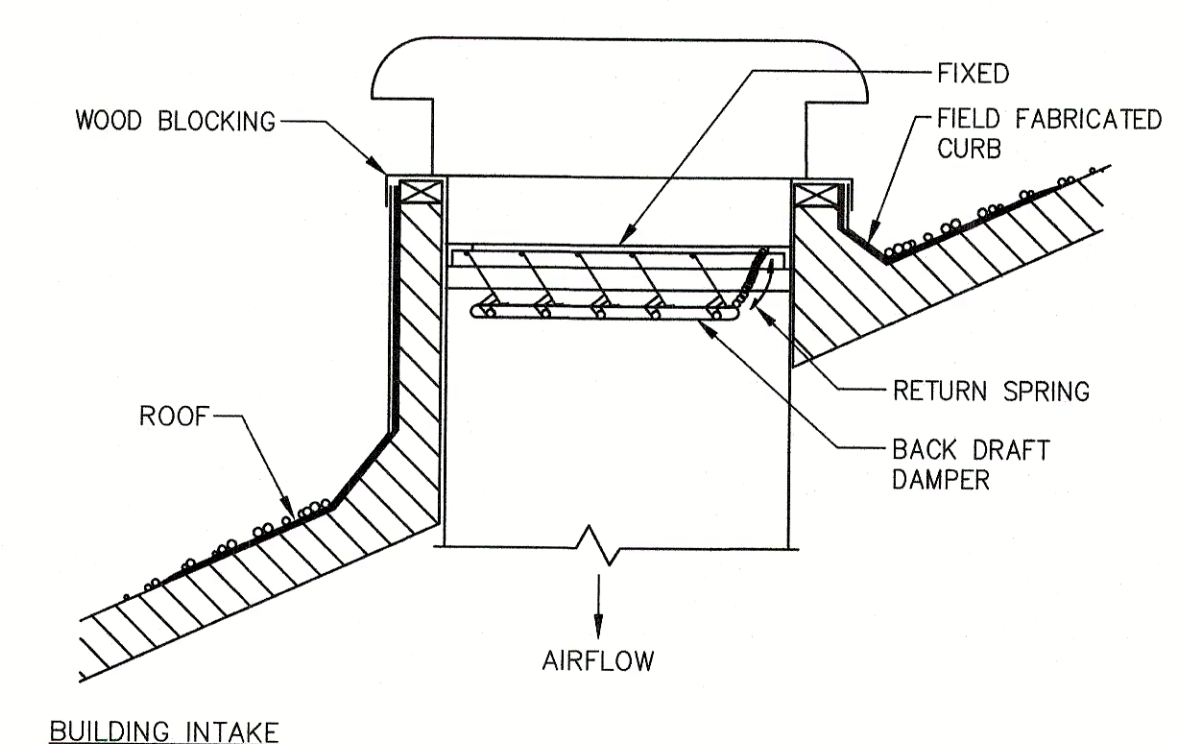
CLEAR SPAN	BEARING WALL LINTEL SECTION NOTE 2	NON-BEARING WALL LINTEL SECTION	BEARING EACH END NOTE 1
UP TO 4'-11"	(2) <math>\angle 5 \times 3 \frac{1}{2} \times 5/16''</math>	(2) <math>\angle 4 \times 3 \frac{1}{2} \times 5/16''</math>	8"
5'-0" TO 5'-11"	(2) <math>\angle 6 \times 3 \frac{1}{2} \times 5/16''</math>	(2) <math>\angle 5 \times 3 \frac{1}{2} \times 5/16''</math>	8"
6'-0" TO 6'-11"	(2) <math>\angle 6 \times 3 \frac{1}{2} \times 1/2''</math>	(2) <math>\angle 6 \times 3 \frac{1}{2} \times 5/16''</math>	8"
7'-0" TO 8'-11"	(1) W8x24	NA	8"
9'-0" TO 12'-0"	(1) W8x31	NA	8"

**NOTE:**  
1. GROUT CELLS SOLID WITH PEA GRAVEL CONCRETE FOR FULL WALL HEIGHT UNDER LINTEL FOR 8" BEARING LENGTH.  
2. FOR 4" CMU VENER WALLS, USE SINGLE ANGLES OF SIZES SHOWN.  
3. PROVIDE STEEL LINTELS AT ALL DOORS, WINDOWS AND MISCELLANEOUS OPENINGS AS REQUIRED.

**6 LINTEL DETAIL**  
N.T.S.



**BUILDING RELIEF OUTLET**



**BUILDING INTAKE**

**7 BUILDING INTAKE AND RELIEF WITH BACKDRAFT DAMPERS**  
N.T.S.

**RVE**  
1901  
**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
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WEB SITE ADDRESS: WWW.RVE.COM  
Certification of Authorization: 24 GA 28003300  
-ENGINEERING EXCELLENCE-

DATE: 10-11-2024  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

**ISSUED FOR BID**  
DATE: 10-11-2024

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NO.	REVISION	DATE	BY/CHK

**MECHANICAL DETAILS**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
BZ	TJ	TJ	AS NOTED
DATE:	DATE:	SHEET No.:	
10-13-2021		M-3.1	
JOB No.:			
0824T062			



REMINGTON & VERNICK ENGINEERS

2059 SPRINGDALE ROAD
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(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS : WWW.RVE.COM

Certification of Authorization: 24 GA 28003300

-ENGINEERING EXCELLENCE-

DATE: 10-1-2024
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 400959

ISSUED FOR BID
DATE: 10-11-2024

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Table with columns: No., DATE, BY, CHK, REVISION

MECHANICAL SCHEDULES
WOOLWICH TOWNSHIP
LOCKE AVE PARK CONCESSION STAND
GLOUCESTER COUNTY
WOOLWICH TOWNSHIP

Table with columns: DRAWN BY, DESIGN BY, CHECKED BY, SCALE, DATE, SHEET NO., JOB NO.

VENTILATION SCHEDULE

Table with columns: ROOM NAME, EQUIPMENT TAG NUMBER, APPROX. AREA (SF), OCCUPANT DENSITY, NUMBER OF PEOPLE AND/OR FIXTURES, VENTILATION AIR REQUIREMENTS (ASHRAE 62, INTERNATIONAL MECH CODE 2021), OUTDOOR AIR, EXHAUST AIR, RETURN AIR, SUPPLY AIR

NOTES:
1. OCCUPANT LOADS ARE BASED ON ACTUAL SEATING CAPACITY
2. OUTSIDE AIR QUANTITIES ARE CALCULATED IN ACCORDANCE WITH SECTION 403 OF THE 2018 INTERNATIONAL MECHANICAL CODE AND HAVE BEEN ADJUSTED FOR MULTIPLE ZONE RECIRCULATING SYSTEMS AS APPLICABLE.

EXHAUST FAN SCHEDULE

Table with columns: TAG, AREA SERVED, FAN TYPE, INLET / OUTLET ARRANGEMENT, CFM, EXTERNAL S.P. (in. w.c.), MOTOR HP OR WATTS, DRIVE TYPE, NOMINAL FAN RPM, ELECTRICAL V/PH/Hz, MCA (A), MOP (A), SONES, ROOF / WALL OPENING SIZE, DIMENSIONS W x H (INCHES), APPROXIMATE WEIGHT (LBS), BASIS OF DESIGN, NOTES

NOTES:
1. PROVIDE WITH VIBRATION ISOLATORS, MOTOR STARTER, SPEED CONTROLLER, AND UNIT MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH INTEGRAL MOTORIZED BACKDRAFT DAMPER WHICH SHALL OPEN / CLOSE WHEN FAN IS ENERGIZED / DE-ENERGIZED.
3. INTERLOCK FAN ON / OFF OPERATION WITH BATHROOM ROOM LIGHT SWITCH.

ELECTRIC CABINET UNIT HEATER SCHEDULE

Table with columns: TAG, HEATER TYPE, ROOM SERVED, KW RATING, CAPACITY (BTU/HR), AIRFLOW (CFM), AMPS, ELECTRICAL (V/PH/Hz), ROUGH-IN DIMENSIONS W x H x D (IN.), APPROXIMATE WEIGHT (LBS), BASIS OF DESIGN, NOTES

NOTES:
1. PROVIDE INTEGRAL TAMPER PROOF THERMOSTAT, AUTOMATIC FAN DELAY CIRCUIT, AUTOMATIC RESET THERMAL LIMIT, POWDER COATED STEEL GRILLE WITH EXTRUDED ALUMINUM FRONT FRAME, STEEL BLOCK FIN ELEMENT, VANE AXIAL FAN BLADE, DISCONNECT SWITCH AND MOUNTING ACCESSORIES.
2. PROVIDE FIELD INSTALLED MODEL NUMBER 3320EX33 4-INCH SURFACE MOUNTING FRAME.

LOUVER SCHEDULE

Table with columns: TAG, SERVICE, SYSTEM / AREA, AIRFLOW (CFM), DIMENSIONS (W x H INCHES), FREE AREA (SQ.FT.), FREE AREA VEL (FPM), AIR PD (IN. W.G.), MATERIAL, FINISH, BASIS OF DESIGN, NOTES

NOTES:
1. PROVIDE WITH BIRD SCREEN, INTEGRAL FLANGE AND BAKED ENAMEL FINISH (COORDINATE COLOR WITH OWNER).
2. PROVIDE WITH RUSKIN CD36 MOTORIZED 120 V DAMPER. DAMPER TO INCLUDE SP100 SWITCH PACKAGE.
3. PROVIDE WITH RUSKIN BD6 GRAVITY BACKDRAFT DAMPER.

GRAVITY INTAKE VENTILATOR SCHEDULE

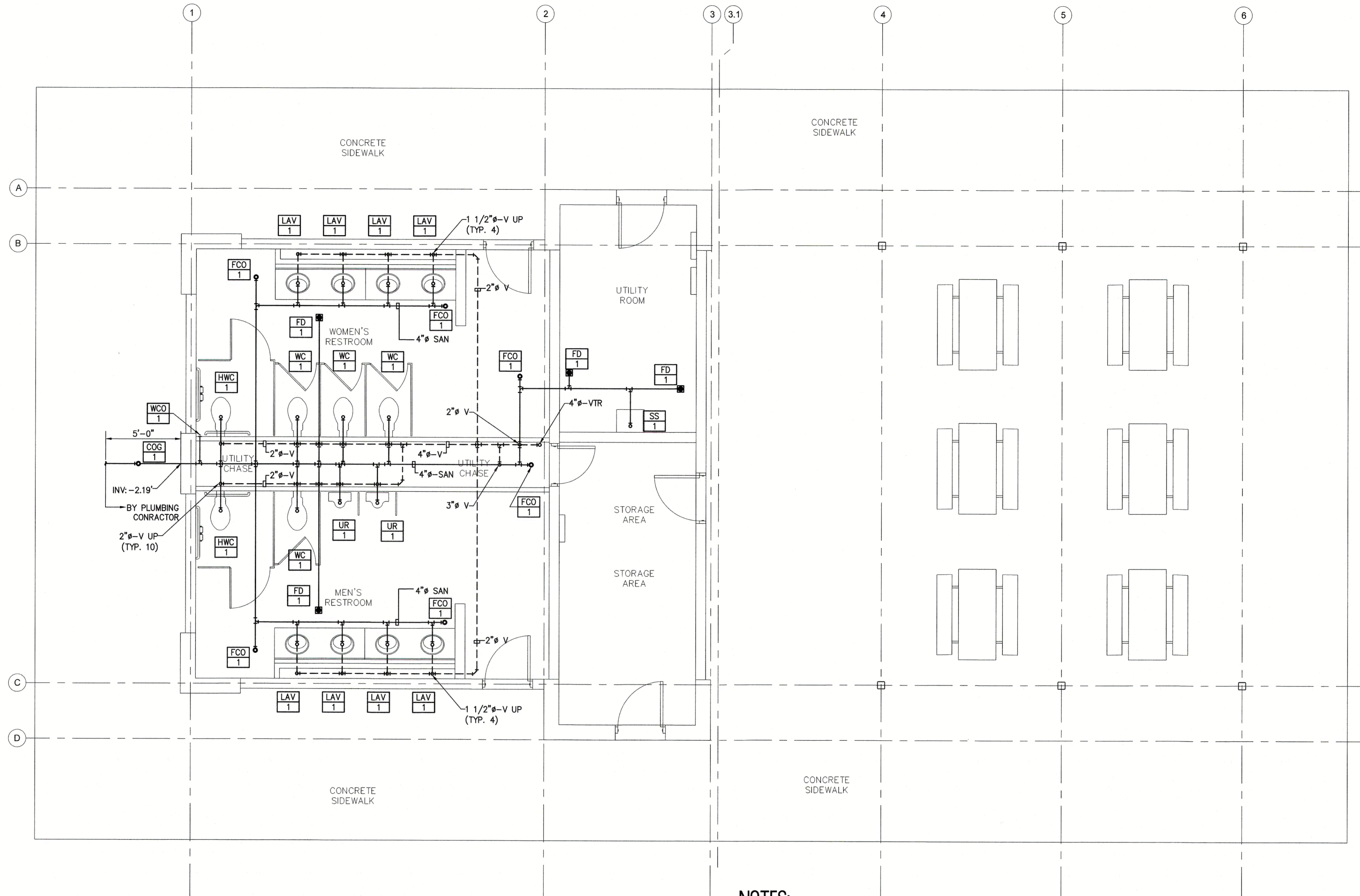
Table with columns: TAG, SERVICE, SYSTEM(S) SERVED, CFM, ROOF OPENING, THROAT AREA (SQ. FT.), THROAT VEL. (FPM), PRESSURE DROP (IN. W.C.), HOOD SIZE, WEIGHT (LBS), BASIS OF DESIGN, NOTES

NOTES:
1. PROVIDE WITH BIROSCREEN, ROOF CURB, AND AUTOMATIC BACKDRAFT DAMPER

DIFFUSER, REGISTER & GRILLE SCHEDULE

Table with columns: TAG, DESCRIPTION, FACE, NECK, DIRECTION, MANUFACTURER, BASIS OF DESIGN, NOTES

NOTES:
1. COORDINATE MOUNTING FRAME WITH CEILING/WALL TYPE.
2. COORDINATE COLOR & FINISH WITH ARCHITECT.
3. PROVIDE GRILLE WITH BORDER FLANGE FOR LAY-IN TYPE CEILINGS. SEE PLANS FOR LOCATIONS.
4. PROVIDE WITH ALUMINUM OPPOSED BLADE DAMPERS.
5. NC (NOISE CRITERIA) LEVEL MAY BE NO GREATER THAN 25.



**1 PLUMBING SANITARY PIPING FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
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3. PIPE ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE EQUIPMENT/ PIPING INSTALLATION WITH ALL STRUCTURAL FRAMING, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL CONDUIT, SYSTEMS WIRING/ CABLE, FIRE PROTECTION PIPING, ETC., AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. ALL INVERT ELEVATIONS SHOWN ARE APPROXIMATE.
5. ALL HORIZONTAL SANITARY PIPING 3-INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED AT A MINIMUM 0.25-INCHES PER FOOT IN DIRECTION OF FLOW. ALL HORIZONTAL SANITARY PIPING 4-INCHES IN DIAMETER AND LARGER SHALL BE SLOPED AT A MINIMUM 0.125-INCHES PER FOOT IN DIRECTION OF FLOW.
6. ROUTE SANITARY DRAIN RISERS AND VENT PIPING CONCEALED IN INTERIOR WALLS. WHERE PIPING CANNOT BE CONCEALED IN INTERIOR WALLS, CONTRACTOR SHALL CHASE WALLS TO CONCEAL PIPING. ALL CHASE WALLS SHALL MATCH INTERIOR WALLS IN CONSTRUCTION AND FINISH.
7. NOT ALL PIPE SIZES AND INLINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY. SEE PLUMBING RISER DIAGRAMS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE ALL FITTINGS, REDUCERS, PIPE SPECIALTIES, ETC., AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.



**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
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WEB SITE ADDRESS : WWW.RVE.COM  
Certification of Authorization: 34 CA 28003300  
-ENGINEERING EXCELLENCE-

*Christopher A. Saponaro*  
DATE: 10-13-2021  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40069

**ISSUED FOR BID**  
DATE: 10-11-2024

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NO.	REVISION	DATE	BY	CHK

**PLUMBING SANITARY PIPING FLOOR PLAN**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLoucester COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
BZ	TJK	TJK	AS NOTED
DATE:	DATE:	SHEET No.:	
10-13-2021	10-13-2021	P-2.1	
JOB No.:			
08241062			

Project: Gloucester County, NJ - Plumb Sanitary Piping Floor Plan, Project No. 24-016



**REMINGTON & VERNICK ENGINEERS**

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*Christopher A. Saponaro*  
DATE: 10-11-2024

**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

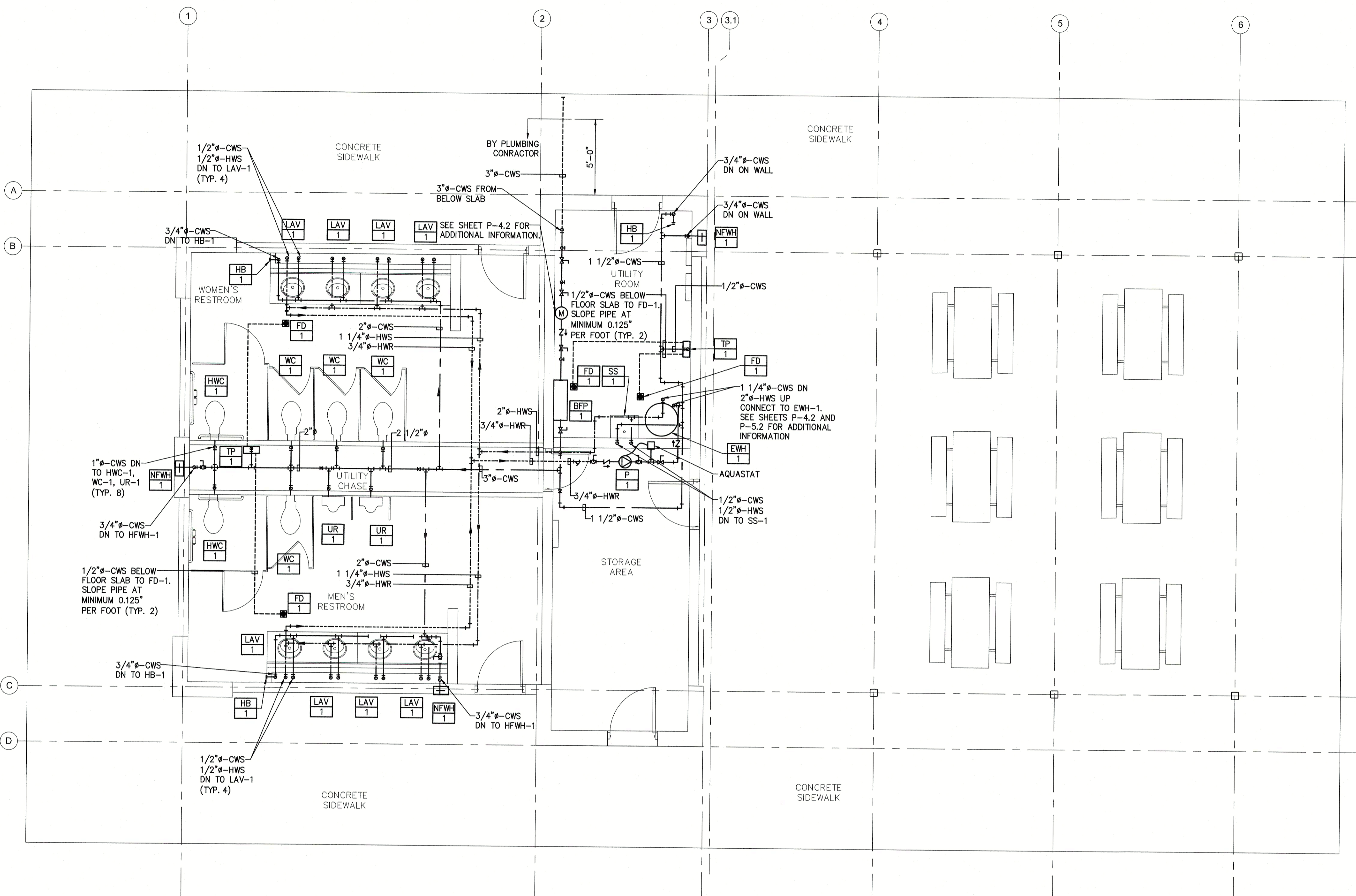
**ISSUED FOR BID**  
DATE: 10-11-2024

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**NOTES:**

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
- THIS NEW WORK PLAN HAS BEEN PROVIDED AS A GUIDE TO CONVEY THE DESIGN INTENT. ALL NEW WORK REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
- PIPE ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE EQUIPMENT/ PIPING INSTALLATION WITH ALL STRUCTURAL FRAMING, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL CONDUIT, SYSTEMS WIRING/ CABLE, FIRE PROTECTION PIPING, ETC., AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SEE DIVISION 26 DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINES CONNECTING TO MAINS.
- DOMESTIC WATER PIPING SHALL BE COPPER WITH SOLDERED FITTINGS/ JOINTS.
- ROUTE UTILITY PIPING, SANITARY DRAIN PIPING AND VENT PIPING ABOVE CEILINGS, BELOW FLOORS AND IN WALLS AS SHOWN ON PLAN. UNLESS OTHERWISE NOTED, WHERE PIPING CANNOT BE CONCEALED IN INTERIOR WALLS, CONTRACTOR SHALL CHASE WALLS TO CONCEAL PIPING. ALL CHASE WALLS SHALL MATCH INTERIOR WALLS IN CONSTRUCTION AND FINISH. ROUTE UTILITY MAINS AS CLOSE TO THE UNDERSIDE OF THE ROOF DECK AS POSSIBLE AND THROUGH OPEN WEB JOISTS WHERE POSSIBLE.
- NOT ALL PIPE SIZES AND INLINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY. SEE PLUMBING RISER DIAGRAMS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE ALL VALVES, FITTINGS, REDUCERS, PIPE SPECIALTIES, ETC., AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.
- THE CONTRACTOR SHALL PROVIDE ALL PIPING, VALVES, FITTINGS, PIPE SPECIALTIES AND APPURTENANCES REQUIRED TO PROPERLY INSTALL THE NEW WATER METER IN ACCORDANCE WITH THE UTILITY COMPANY REQUIREMENTS WHETHER OR NOT THE REQUIRED APPURTENANCES ARE PROVIDED BY THE UTILITY COMPANY.



**1 PLUMBING UTILITY PIPING FLOOR PLAN**  
SCALE: 1/4"=1'-0"

NO.	REVISION	DATE	BY/CHK

**PLUMBING UTILITY PIPING FLOOR PLAN**

WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY

WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
BZ	TK	TK	AS NOTED
DATE:		SHEET No.:	
10-13-2021		P-3.1	
JOB No.:			
0824T062			





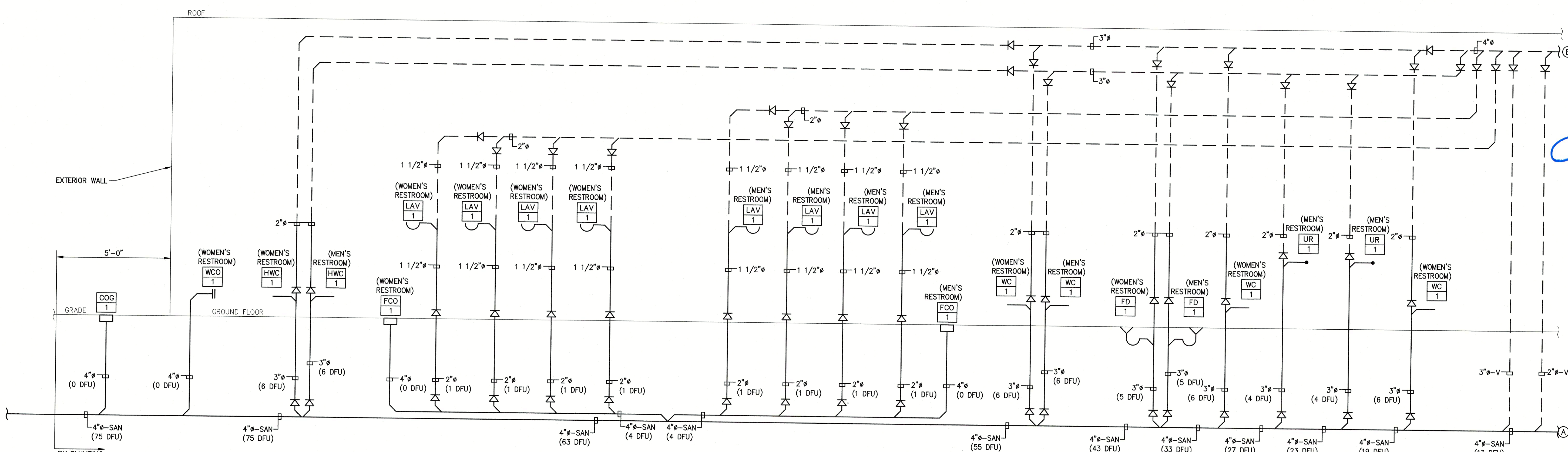
**REMINGTON & VERNICK ENGINEERS**  
 2059 SPRINGDALE ROAD  
 CHERRY HILL, NJ 08003  
 (856) 795-9595, FAX (856) 795-1882  
 WEB SITE ADDRESS : WWW.RVE.COM  
 Certification of Authorization: 24 GA 28033300  
 -ENGINEERING EXCELLENCE-

DATE: 10-11-2024  
**CHRISTOPHER A. SAPONARO**  
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

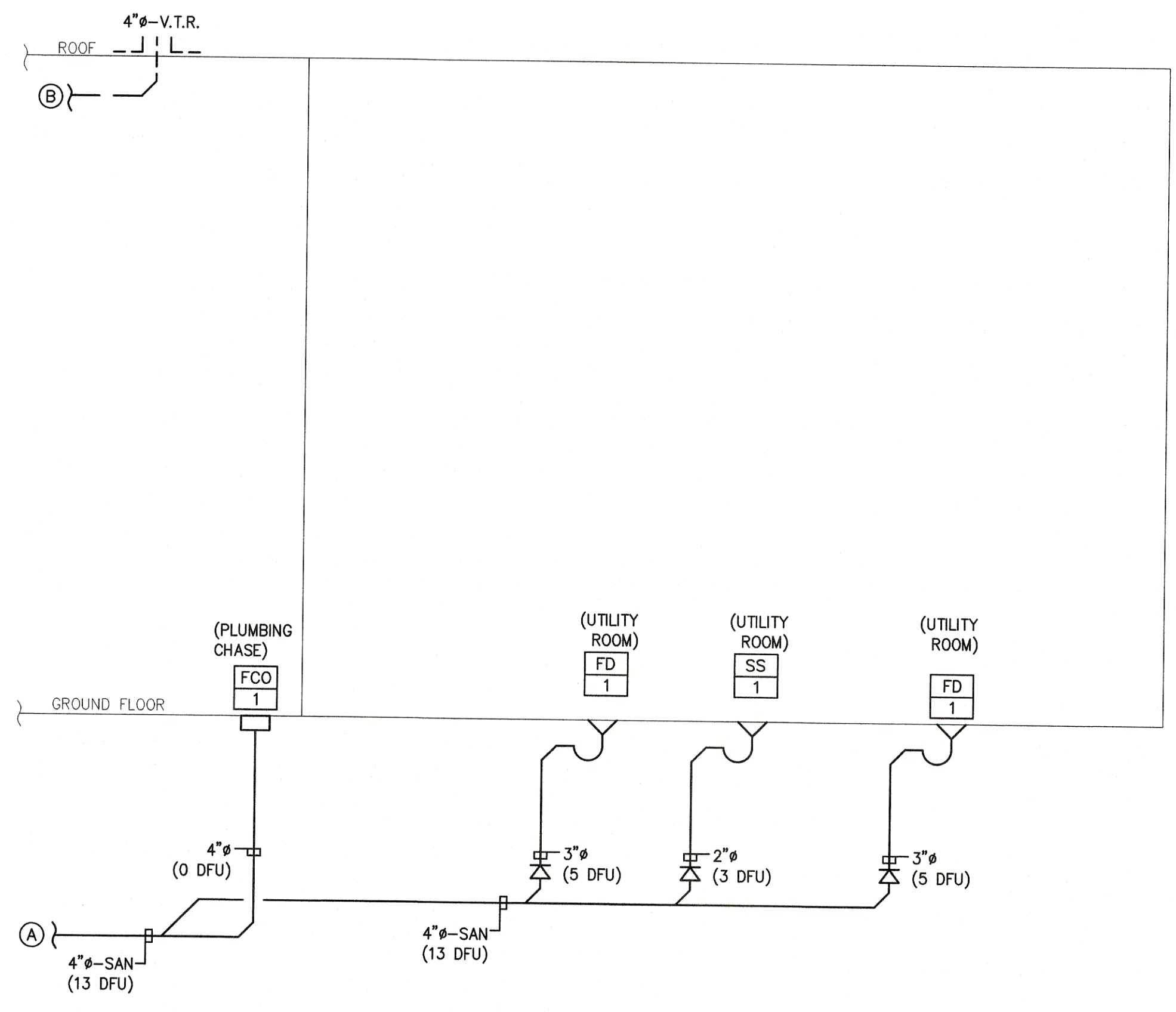
**ISSUED FOR BID**  
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**1 PLUMBING SANITARY PIPING RISER DIAGRAM**  
 SCALE: N.T.S.



**1 PLUMBING SANITARY PIPING RISER DIAGRAM (CONT.)**  
 SCALE: N.T.S.

**SANITARY PIPING RISER DIAGRAM NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. REFER TO PLUMBING FIXTURE SCHEDULES AND FOOD SERVICE DRAWINGS FOR FIXTURE CONNECTION SIZES.
3. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN FOR CLARITY, SEE THE PLUMBING DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
4. ALL HORIZONTAL DRAINAGE PIPING 3 INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4 INCHES THROUGH 6" IN DIAMETER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 8 INCHES AND LARGER IN DIAMETER SHALL BE SLOPED A MINIMUM OF 1/16" PER FOOT IN THE DIRECTION OF FLOW.
5. PROVIDE ALL FLOOR DRAINS WITH DEEP SEAL TRAPS.
6. SANITARY DRAINAGE AND VENT PIPING SHALL BE CAST IRON, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND MODIFY PIPING LAYOUT AS NECESSARY TO AVOID INTERFERENCES. PROVIDE PLUMBING WORK IN ACCORDANCE WITH THE NSPC.
8. IF OFFSETS ARE REQUIRED IN VERTICAL PIPING TO AVOID INTERFERENCES. PROVIDE OFFSET USING 45° FITTINGS. 90° ELBOW FITTINGS SHALL NOT BE USED UNLESS PROVIDED IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE.
9. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE.

NO.	REVISION	DATE	BY

**PLUMBING RISER DIAGRAMS**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND

WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
BZ	TJK	TJK	AS NOTED
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SHEET No.: P-4.1			
JOB No.: 0824T062			



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--ENGINEERING EXPERIENCE--

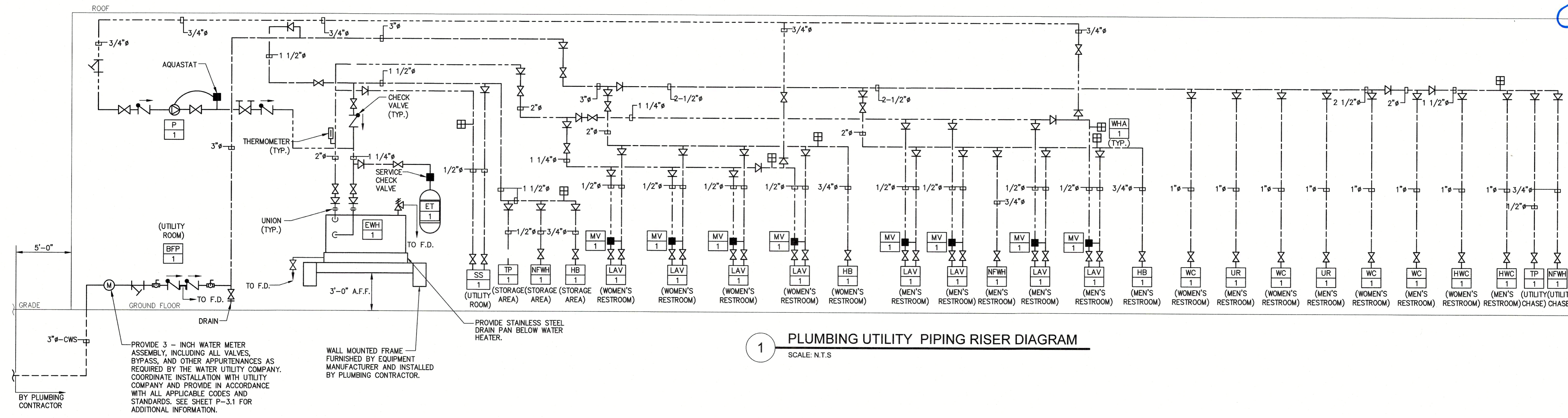
*Christopher A. Sapronaro*

DATE: 10-11-2024  
**CHRISTOPHER A. SAPRONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

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**1 PLUMBING UTILITY PIPING RISER DIAGRAM**  
SCALE: N.T.S.

**UTILITY PIPING RISER DIAGRAM NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY, SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
3. REFER TO EQUIPMENT SCHEDULES FOR EQUIPMENT CONNECTION SIZES.
4. DOMESTIC WATER PIPING SHALL BE SOLDERED TYPE L COPPER TUBE. SEE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

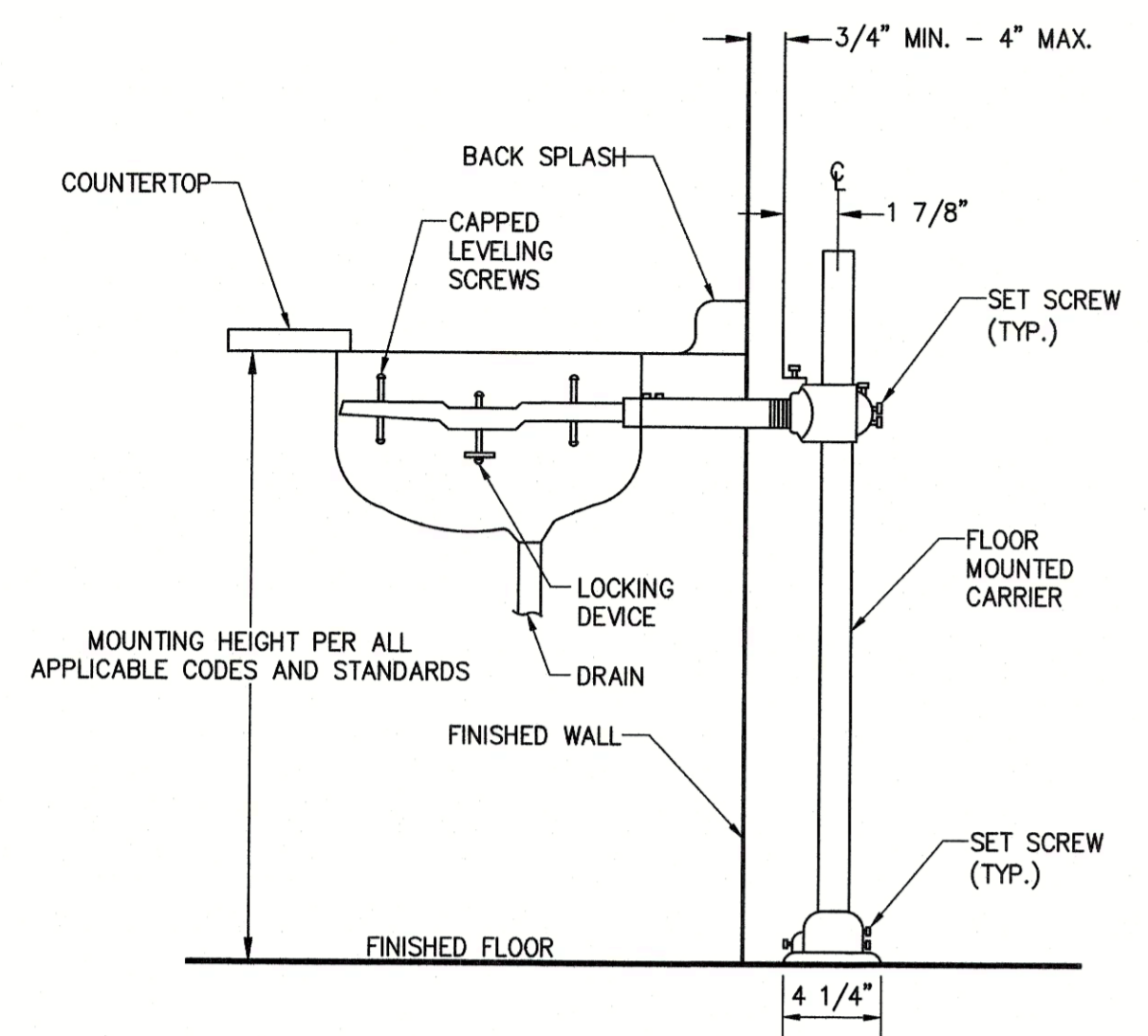
NO.	REVISION	DATE	BY/CHK

**PLUMBING RISER DIAGRAMS**

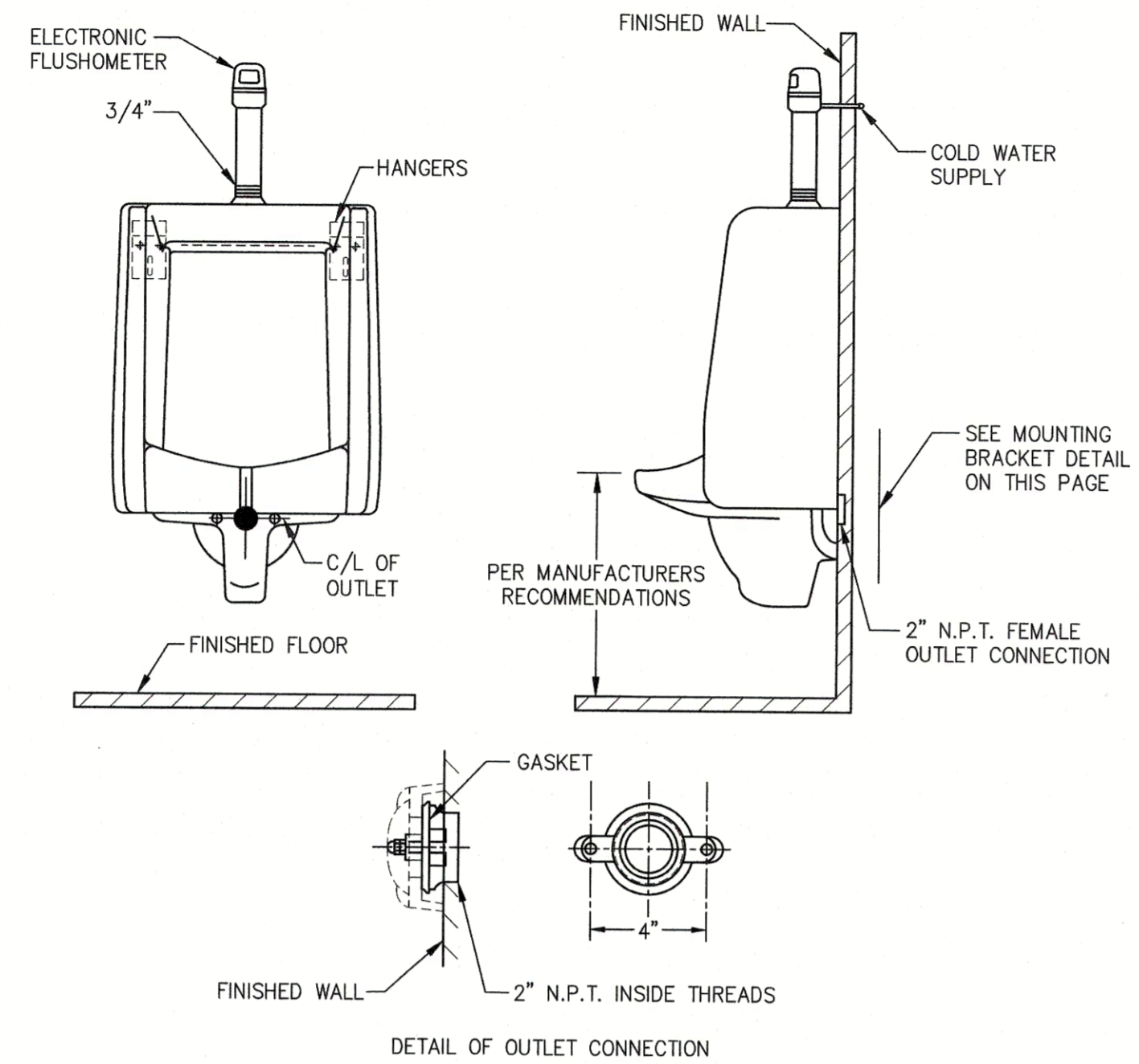
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LOCKE AVE PARK  
CONCESSION STAND

WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

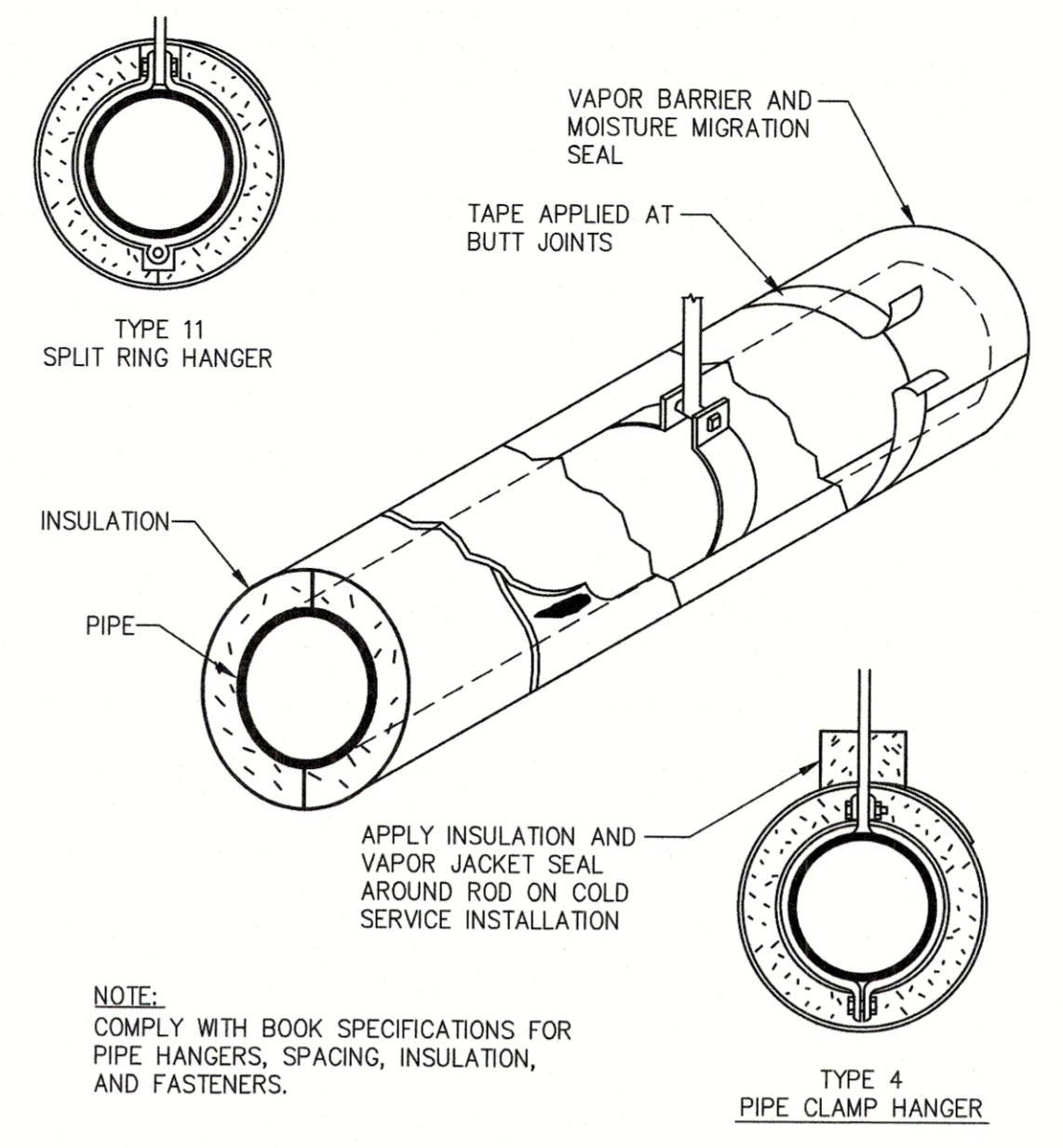
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DATE:	SHEET No.:		
10-13-2021	P-4.2		
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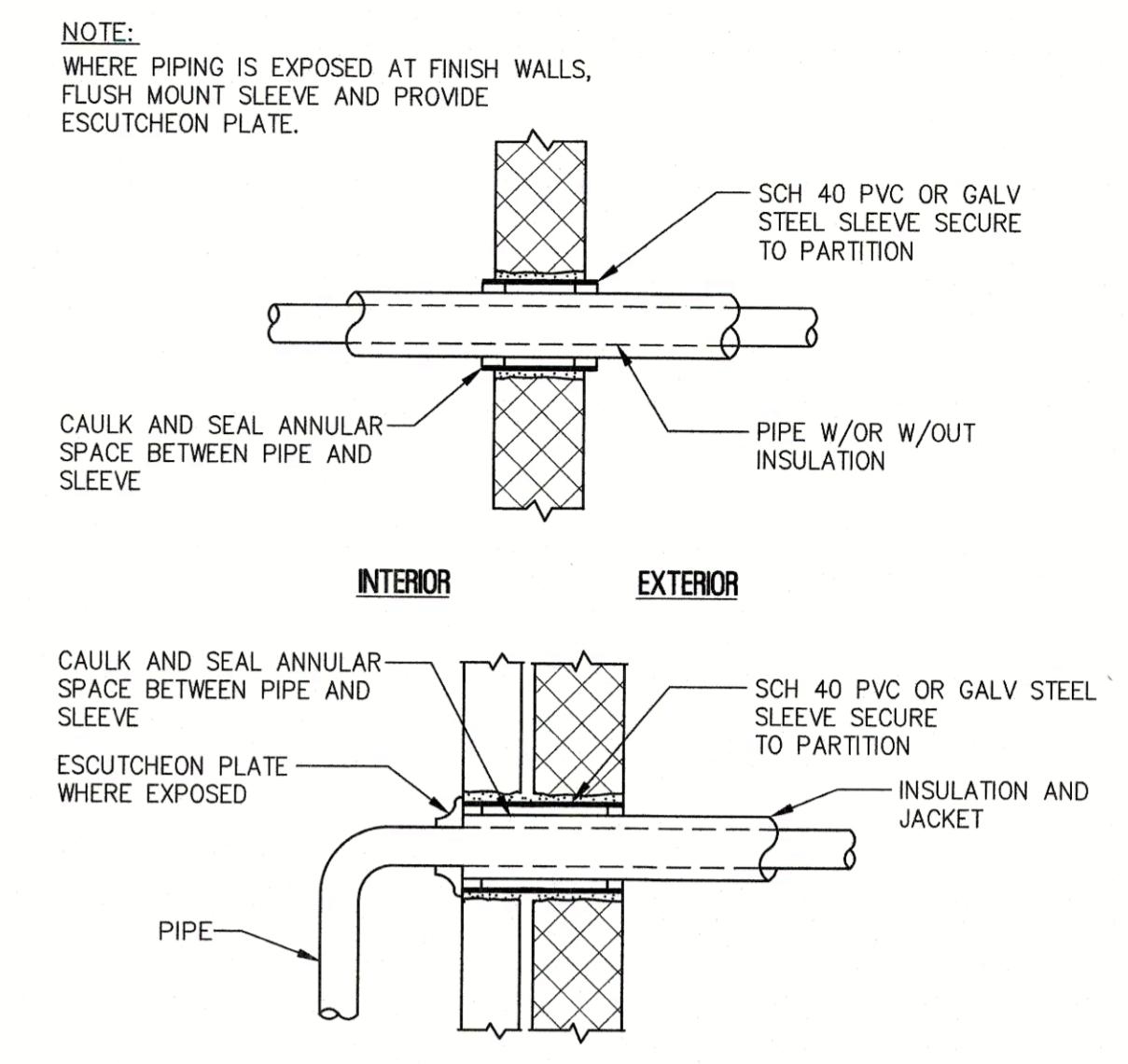
**DROP-IN LAVATORY MOUNTING DETAIL**  
SCALE: N.T.S.



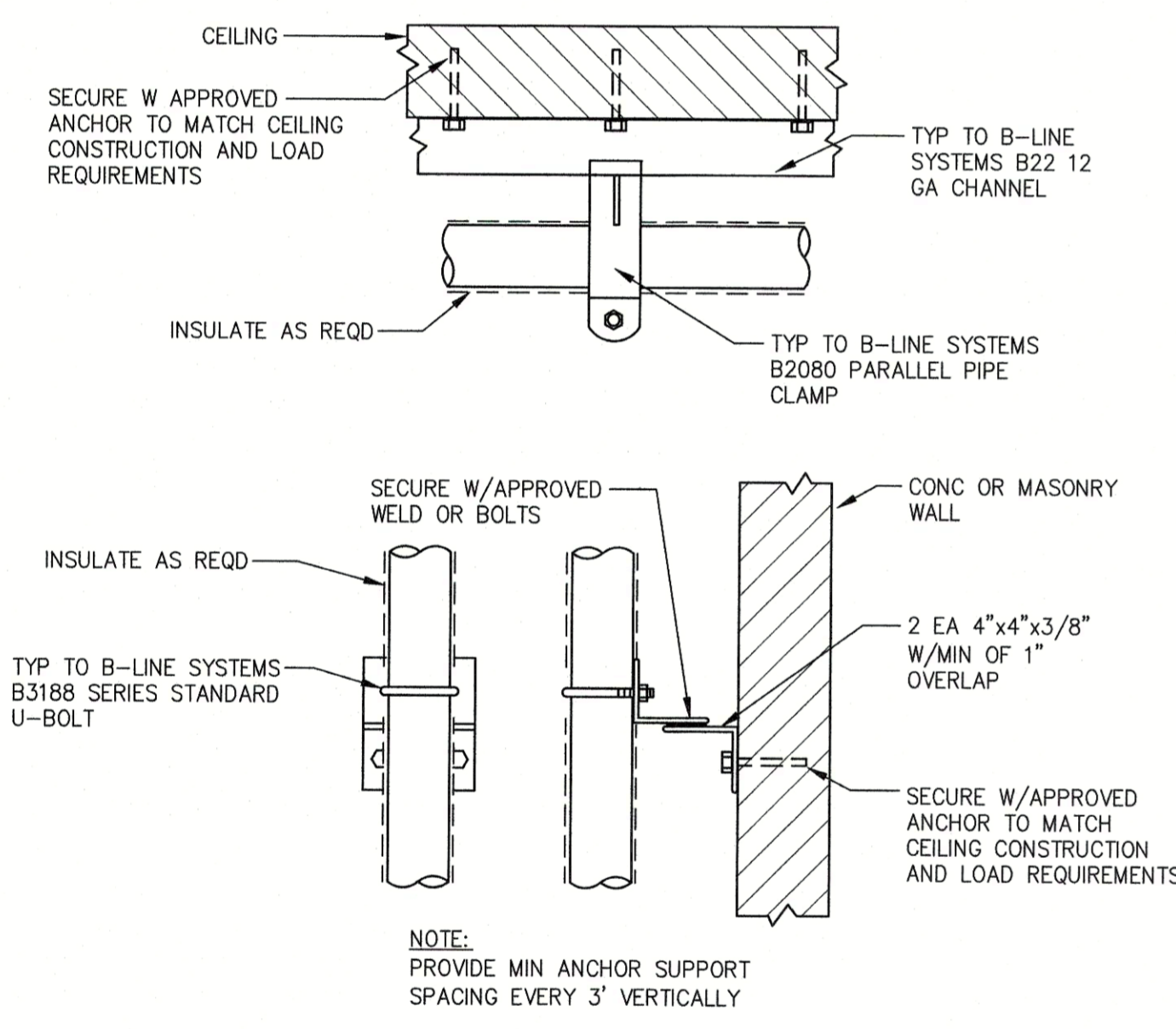
**AUTOMATIC WALL MOUNTED URINAL DETAIL**  
N.T.S.



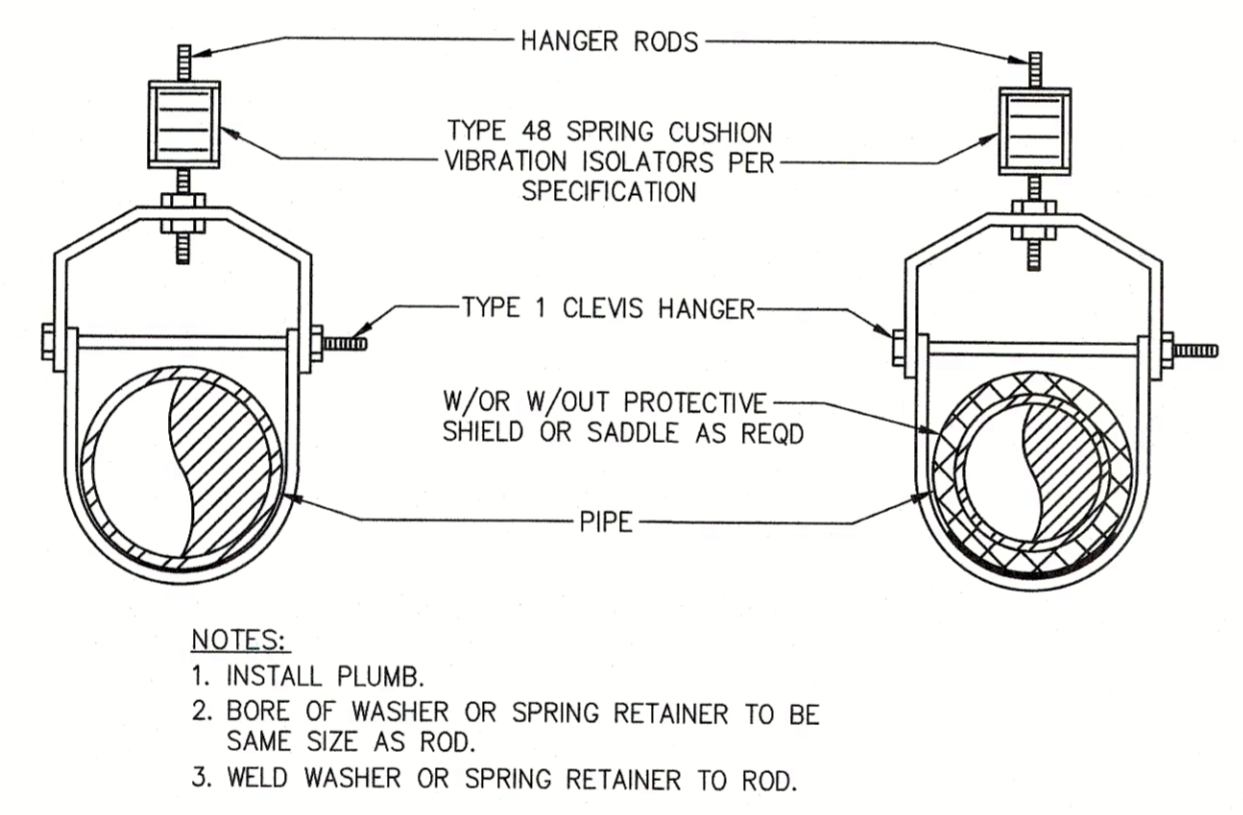
**HANGER, INSULATION AND VAPOR JACKET DETAIL**  
N.T.S.



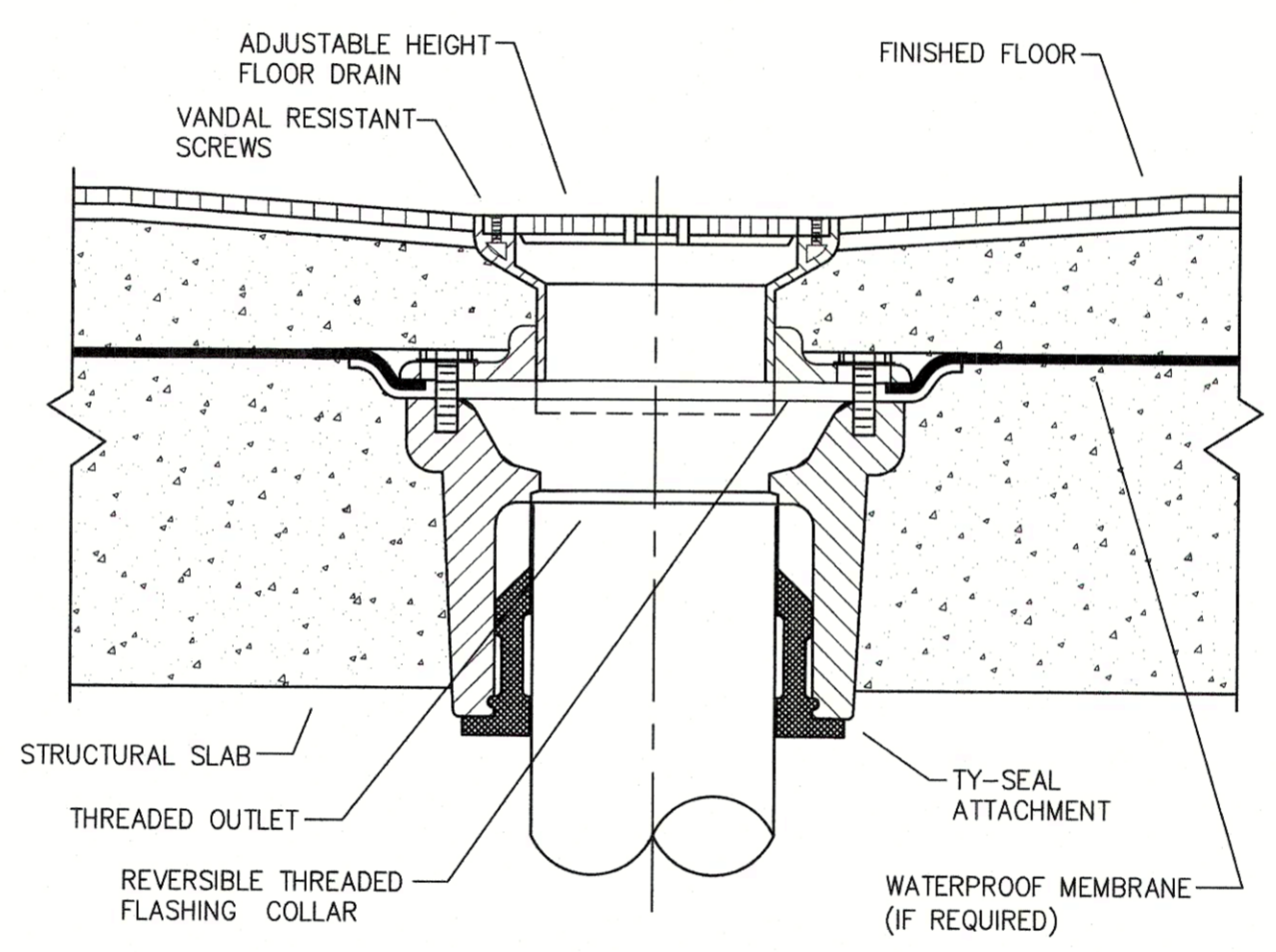
**PIPE PENETRATION THRU WALLS DETAIL**  
N.T.S.



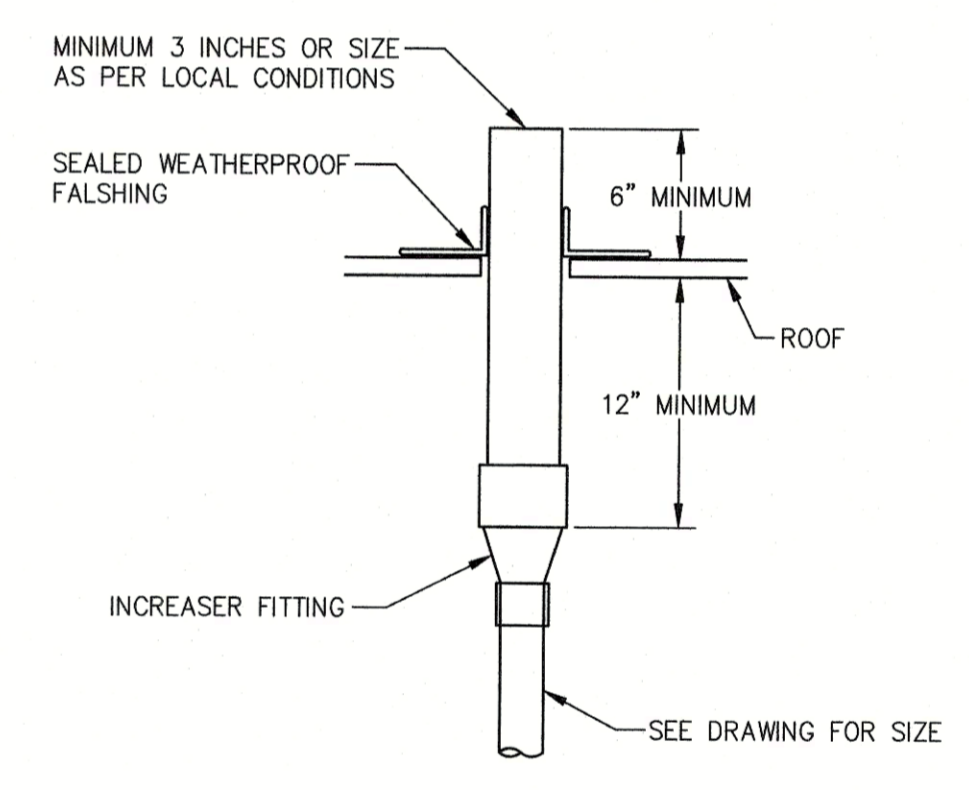
**WALL AND CEILING PIPE BRACKET SUPPORTS DETAIL**  
N.T.S.



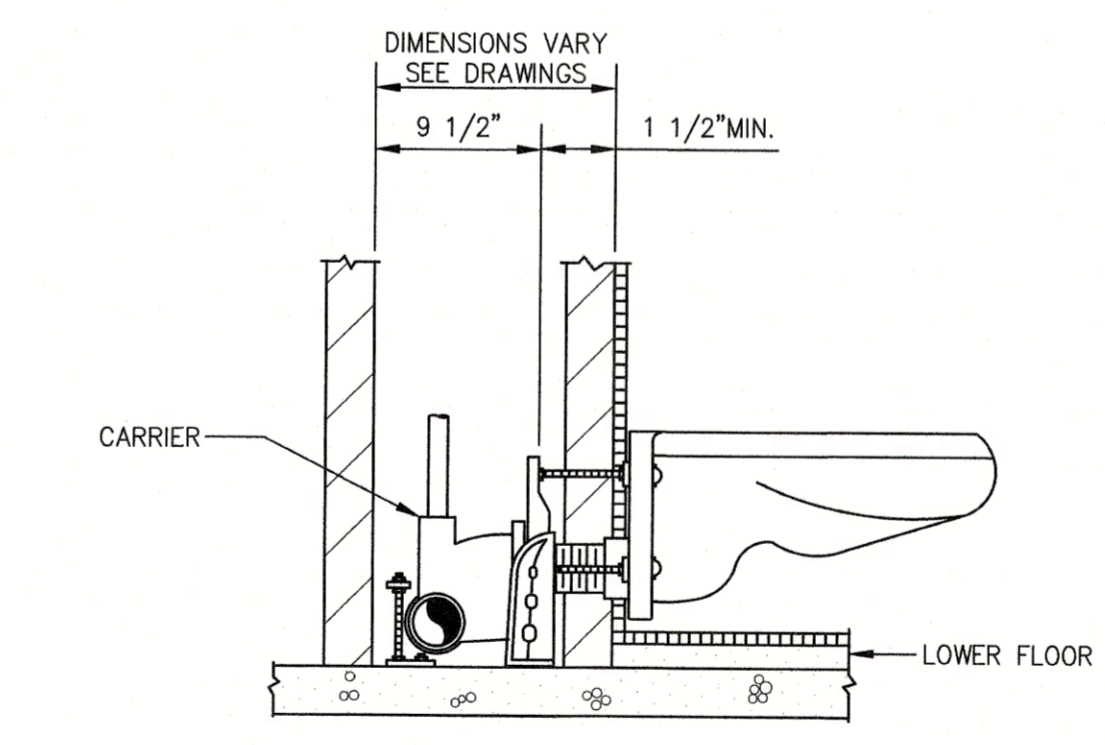
**SINGLE PIPE TYPE 1 CLEVIS HANGER DETAIL**  
N.T.S.



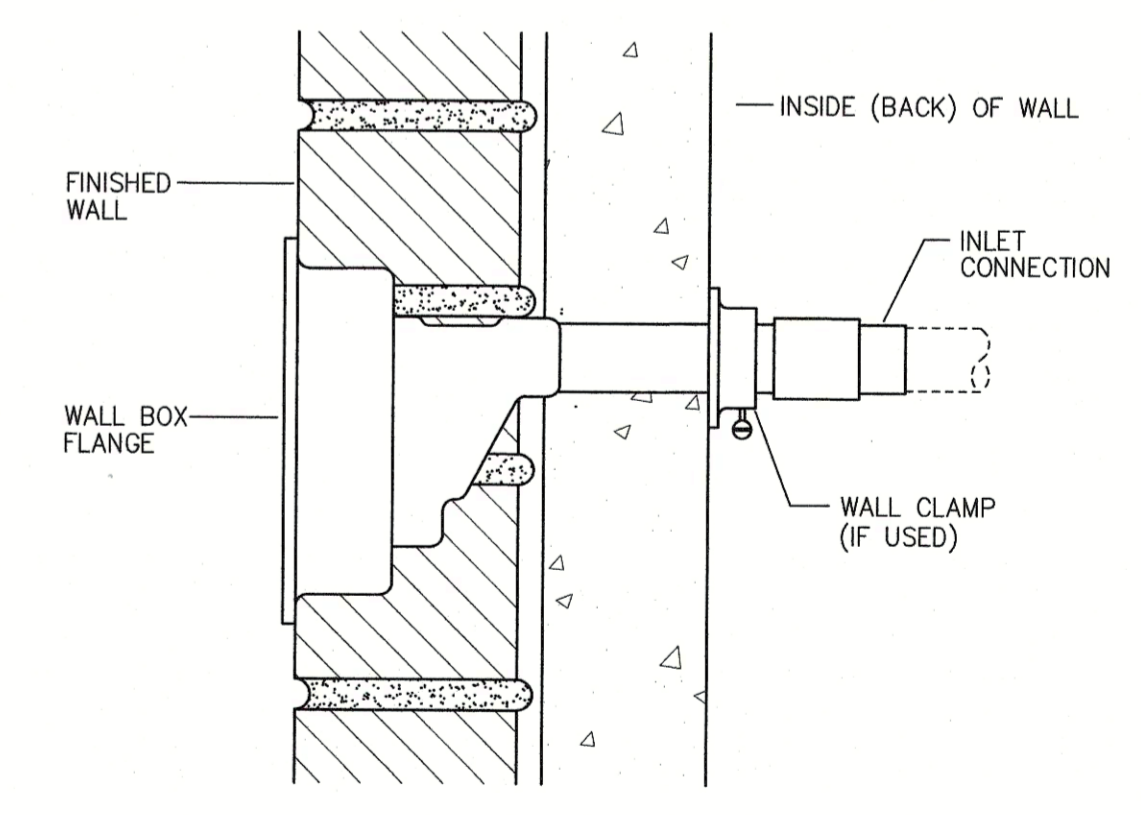
**FLOOR DRAIN DETAIL**  
N.T.S.



**ROOF VENT PENETRATION DETAIL**  
N.T.S.



**SINGLE ADJUSTABLE WALL HUNG WATER CLOSET DETAIL**  
N.T.S.



**FREEZE-PROOF WALL HYDRANT DETAIL**  
N.T.S.



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-ENGINEERING EXCELLENCE-

DATE: 10-11-2024  
**CHRISTOPHER A. SAPONARO**  
NJ PROFESSIONAL ENGINEER LIC. No. 40059

**ISSUED FOR BID**  
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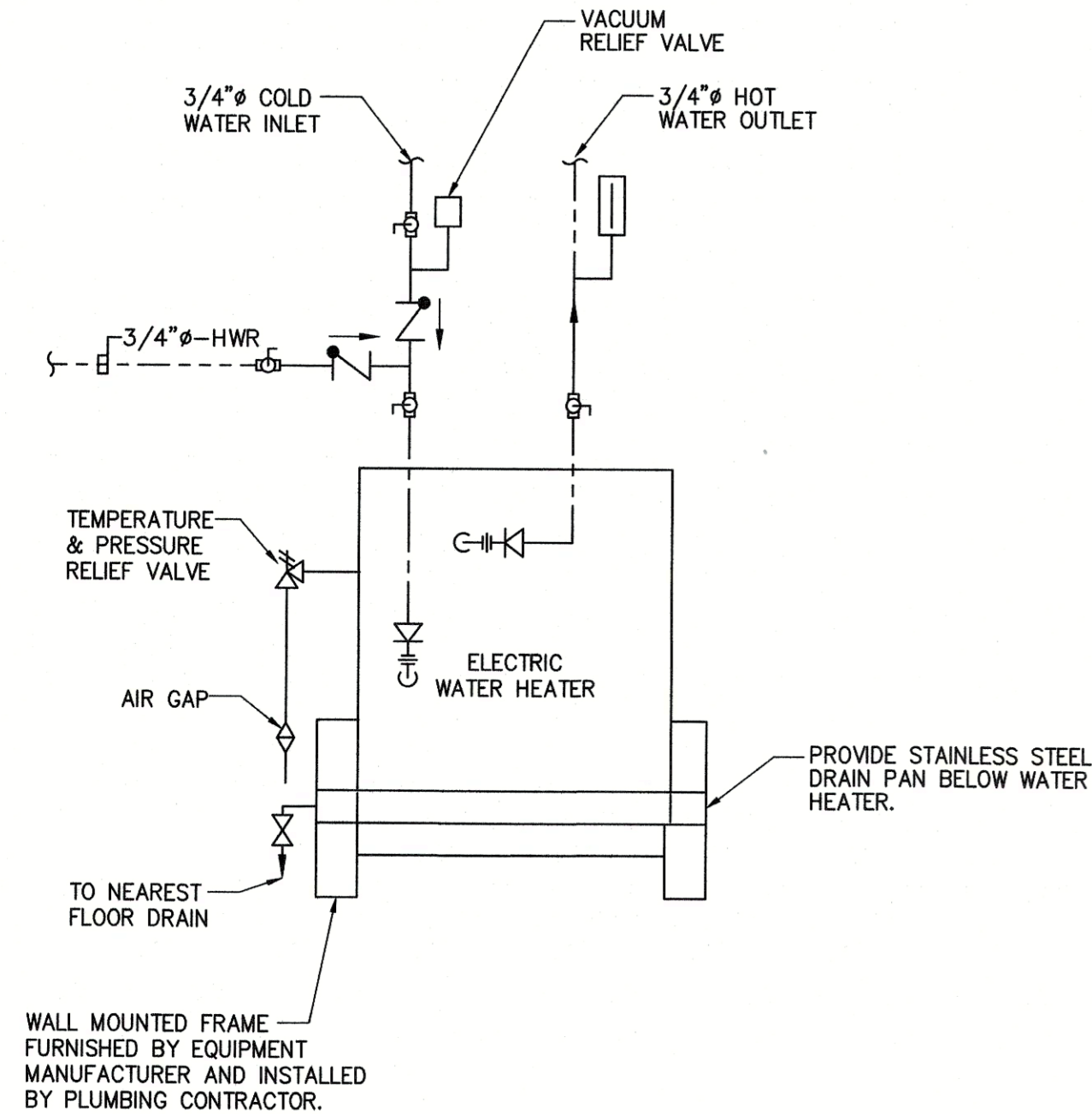
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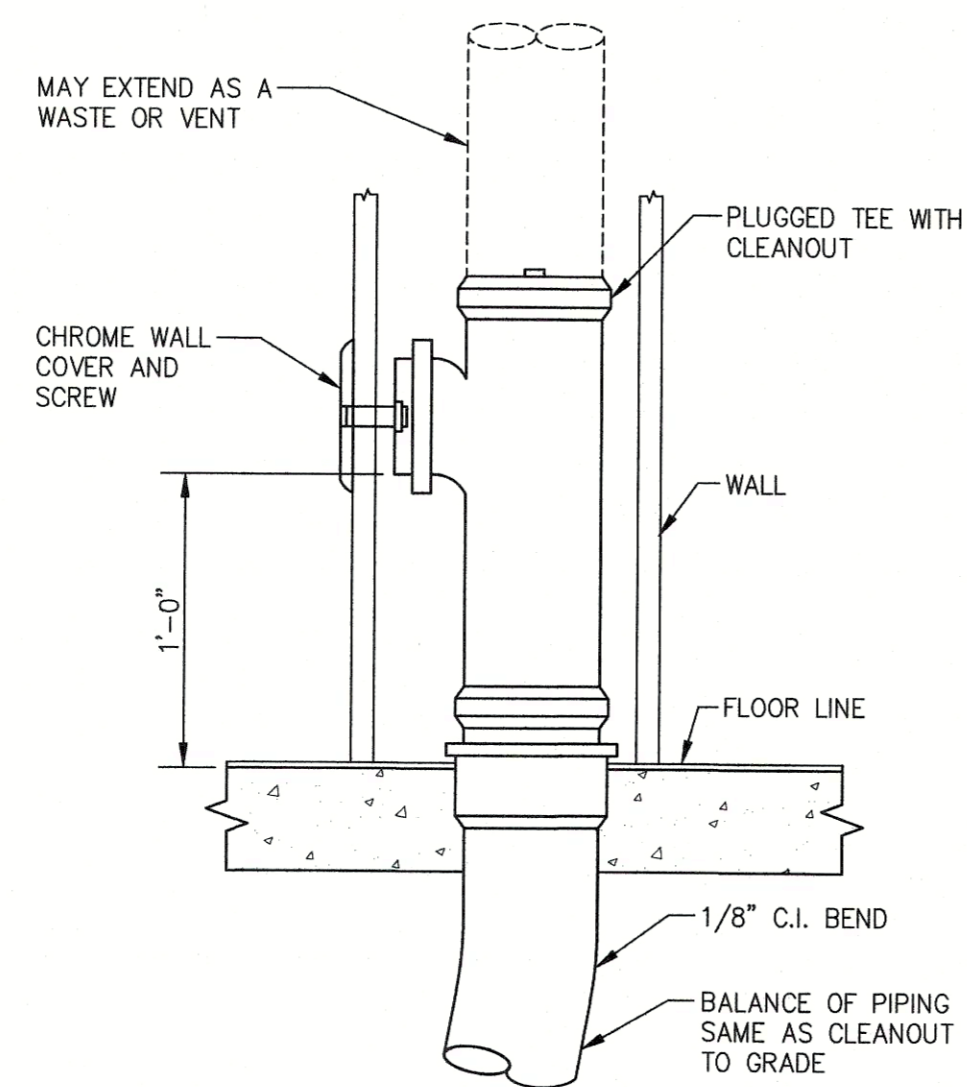
No.	REVISION	DATE	BY

**PLUMBING DETAILS**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY  
WOOLWICH TOWNSHIP  
NEW JERSEY

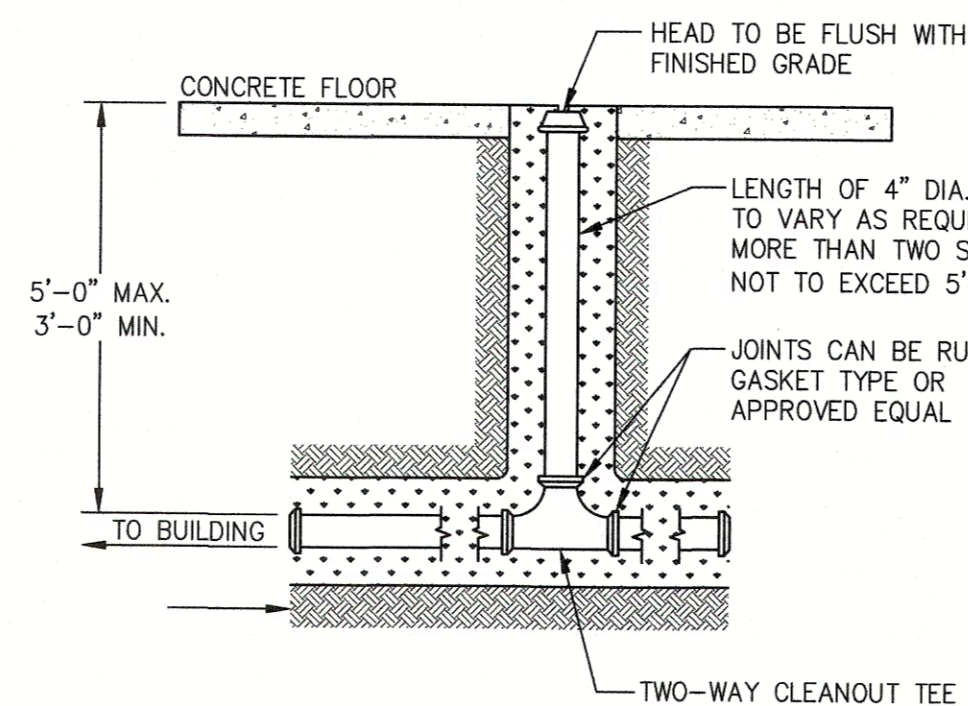
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BZ	TK	TK	AS NOTED
DATE:	SHEET No.:		
10-13-2021	P-5.1		
JOB No.:			
0824062			



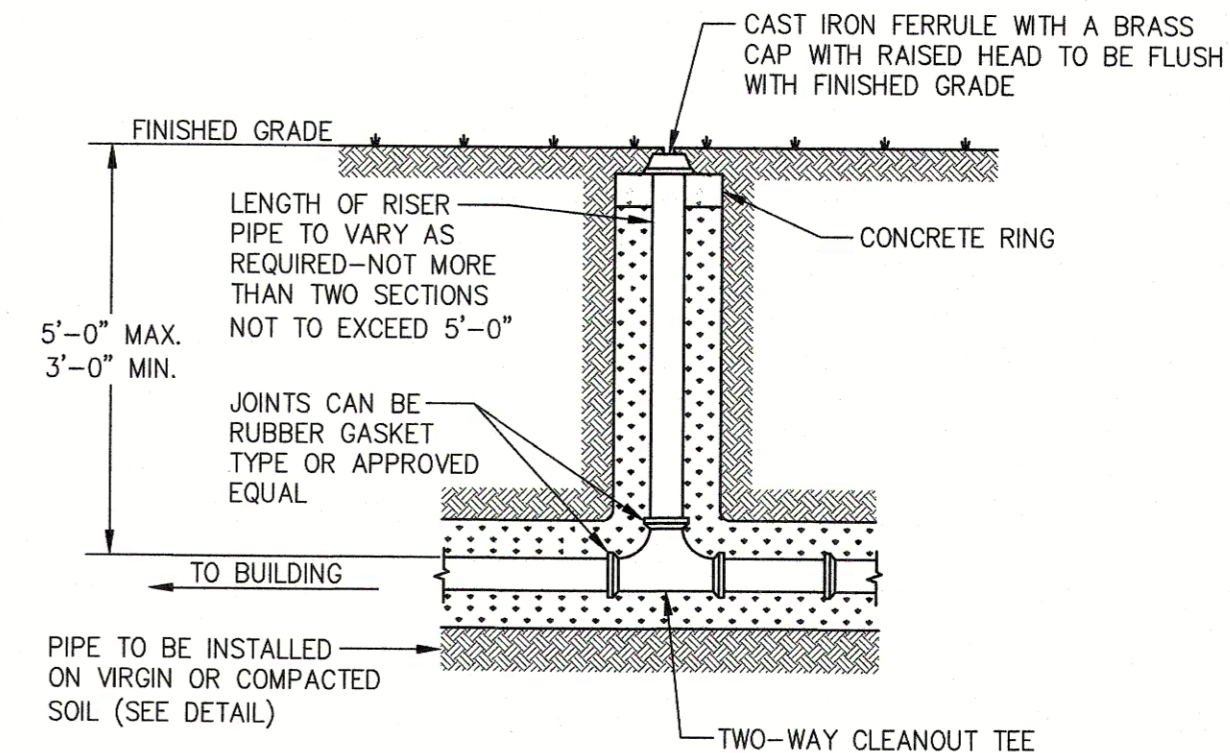
**ELECTRIC WATER HEATER DETAIL**  
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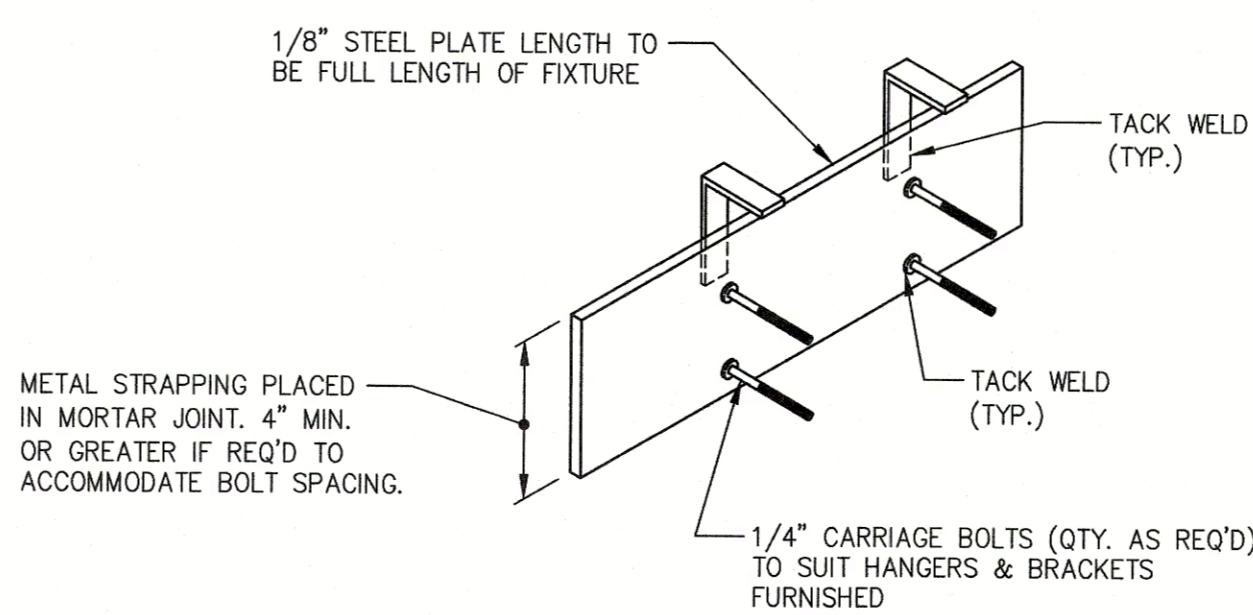
**WALL CLEANOUT DETAIL**  
 N.T.S.



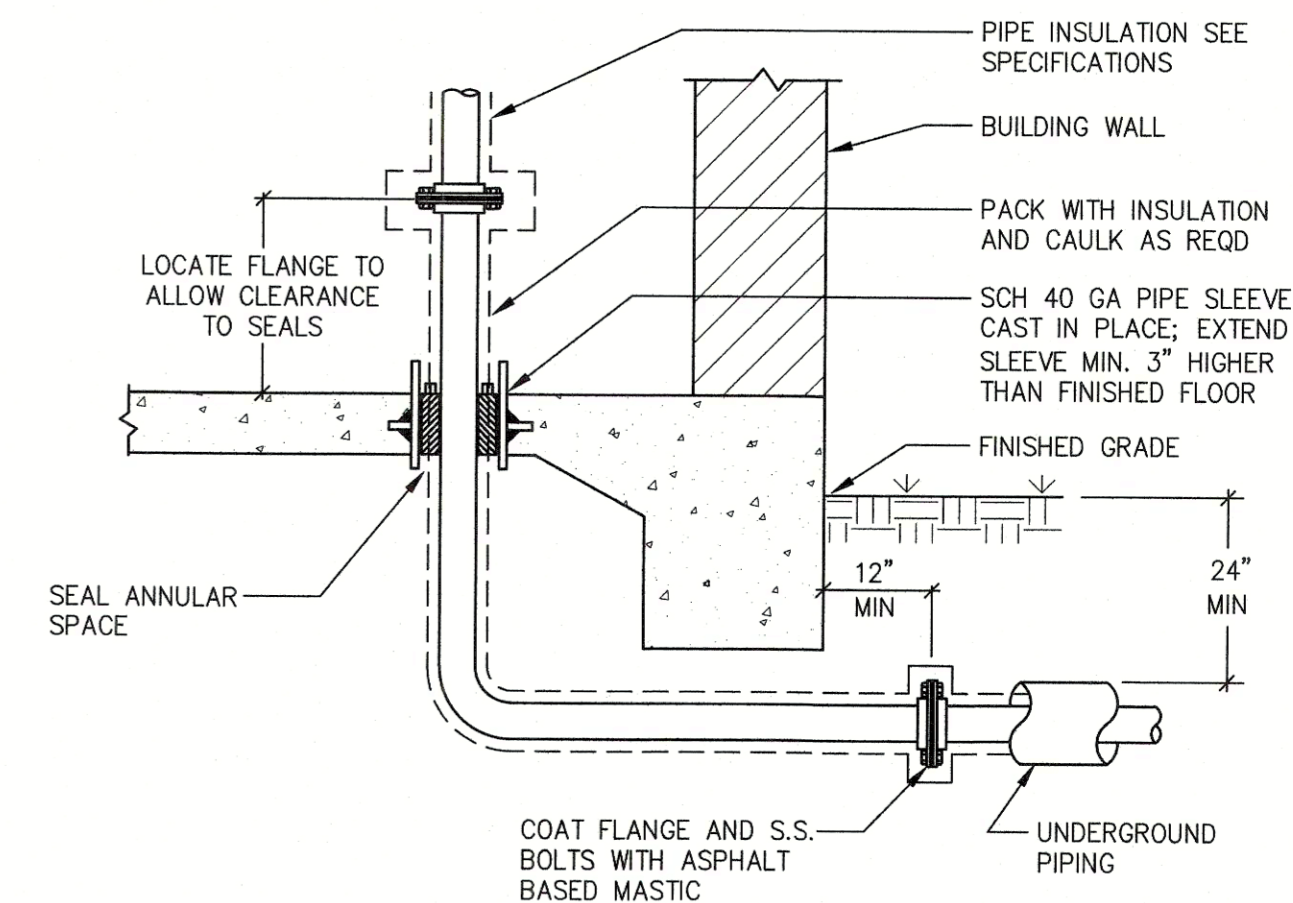
**STANDARD CLEANOUT DETAIL**  
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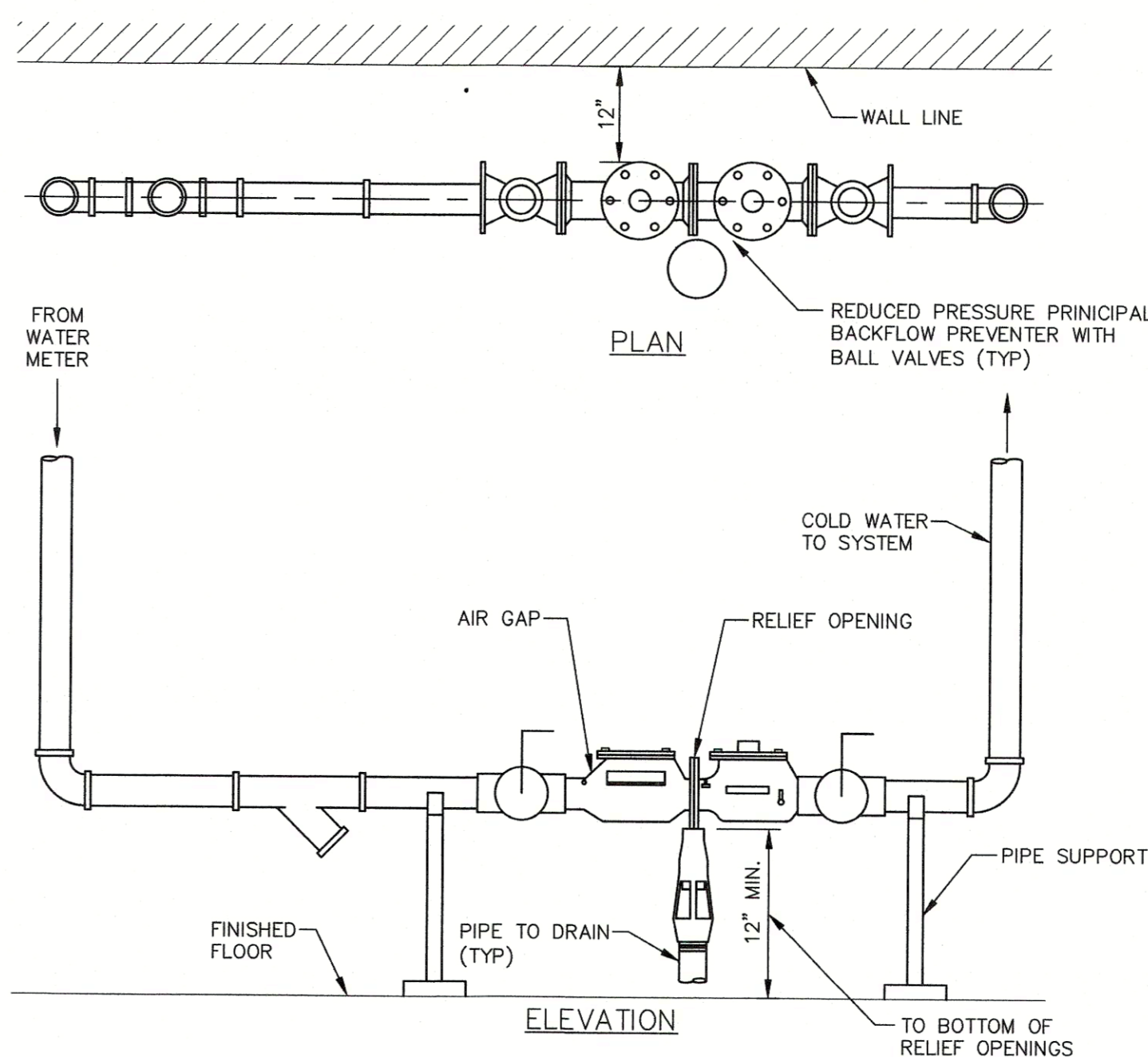
**CLEANOUT TO GRADE DETAIL**  
 N.T.S.



**URINAL BACKUP PLATE DETAIL**  
 N.T.S.



**PIPE PENETRATION THRU CONCRETE FLOOR DETAIL**  
 N.T.S.



**DOMESTIC WATER BACKFLOW PREVENTER DETAIL**  
 N.T.S.



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NO.	REVISION	DATE	BY

**PLUMBING DETAILS**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND

NEW JERSEY  
 GLoucester COUNTY

WOOLWICH TOWNSHIP  
 Gloucester County

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DATE: 10-13-2021	JOB No.: 0824062		SHEET No.: P-5.2

**PLUMBING FIXTURE SCHEDULE**

TAG	FIXTURE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	ACCESSORY MANUFACTURER	ACCESSORY	MINIMUM CONNECTION SIZE (INCHES)				WATER SUPPLY FIXTURE UNITS (WSFU's)	DRAINAGE FIXTURE UNITS (DFU's)
							COLD	HOT	DRAIN	VENT		
BFP-1	BACKFLOW PREVENTER	REDUCED PRESSURE ZONE ASSEMBLY	WATTS	LF909M1	WATTS	QT, S	1	N/A	N/A	N/A	N/A	N/A
COG-1	CLEANOUT	OUTDOOR, CLEANOUT ON GRADE	JAY R. SMITH	4251	JAY R. SMITH	-G-U	N/A	N/A	LINE	N/A	N/A	N/A
FD-1	FLOOR DRAIN	SQUARE FLOOR DRAIN W/TRAP PRIMER	JAY R. SMITH	2030-B	JAY R. SMITH	-B-P-U-P050	N/A	N/A	3	1 1/2	N/A	5.0
FCO-1	FLOOR CLEANOUT	ADJUSTABLE SQUARE FLOOR CLEAN OUT	JAY R. SMITH	4040	JAY R. SMITH	-U-F-C-PB	N/A	N/A	LINE	N/A	N/A	N/A
HB-1	HOSE BIBB	NO-KINK COPPER ALLOY BRONZE HOSE BIBB	NIBCO	HOSE BIBB	WATTS	SERIES B VACUUM BREAKER	3/4	N/A	N/A	N/A	2.5	N/A
HWC-1	ADA WATER CLOSET	HIGH EFFICIENCY 1.28 GPF ADA COMPLIANT WALL MOUNT	ZURN	Z5617.216.02.12.00	ZURN ONE SYSTEM	CONCEALED HARDWIRE SENSOR FLUSHVALVE	1	N/A	3	2	8.0	6.0
LAV-1	LAVATORY SINK	COUNTERTOP LAVATORY W/ BATTERY SENSOR FAUCET	AMERICAN STANDARD	0496.221	SLOAN	SLOAN EAF150 BATTERY 0.5GPM FAUCET, MIXING VALVE (TMV-2), GRID DRAIN, TRAP W/ ADA WRAP, SUPPLY KIT	1/2	1/2	1 1/2	1 1/2	1.0	1.0
MV-1	MIXING VALVE	THERMOSTATIC WATER CONTROLLER	SYMONS	6-400	N/A	NOTE 4	N/A	N/A	N/A	N/A	2.5	N/A
NFWH-1	NON FREEZE WALL HYDRANT	LOCKING BOX TYPE NON-FREEZE WALL HYDRANT W/VACUUM BREAKER	ZURN	Z1300	ZURN	CL, PB, RK, (SEE DWGS. FOR WALL THICKNESS), EXTRA OPERATING KEY	3/4	1/2	2	NA	3.0	3.0
SS-1	SERVICE SINK	CAST IRON SERVICE SINK	ZURN	Z5888	ZURN	-Z5900-IP3, -Z843M1	1/2	1/2	2	NA	3.0	3.0
TP-1	TRAP PRIMER	ELECTRONIC TRAP PRIMER	PPP	MPB-500-120V	PPP	PROVIDE INLET SHUT-OFF VALVE, BOX COVER, AND OPTIONAL DISTRIBUTION UNIT	1/2	N/A	N/A	N/A	N/A	N/A
UR-1	URINAL	0.125 GPF WALL MOUNTED URINAL W/HARDWIRED CONCEALED AUTOMATIC FLUSH VALVE	ZURN ONE SYSTEM	Z5759.389.11.V5	ZURN	HARDWIRED CONCEALED FLUSH VALVE ZEMSE295-UJL, CARRIER, HARDWIRE POWER CONVERTER P6000-HW6	1	N/A	2	2	4.0	4.0
WC-1	WATER CLOSET	ECOVANTAGE SENSOR FLUSHVALVE WALL HUNG TOPSPUD	ZURN	Z5615.241.02.12.00	ZURN ONE SYSTEM	HARDWIRED SENSOR FLUSH, GASKET KIT	1	N/A	3	2	8.0	6.0
WCO-1	WALL CLEAN OUT	WALL CLEAN OUT TEE AND COVER	JAY R. SMITH	4550	JAY R. SMITH	4550-U-PB	N/A	N/A	LINE	N/A	N/A	N/A
WHA-1	WATER HAMMER ARRESTOR	INLINE, BELLOWS TYPE WATER HAMMER ARRESTOR	JAY R. SMITH	HYDROTOL 5010	N/A	NOTE 3	1	N/A	N/A	N/A	N/A	N/A

NOTES:

- COLOR/FINISH TO BE AS APPROVED BY THE ARCHITECT/OWNER.
- PROVIDE ALL ACCESSORIES REQUIRED TO OPERATE AND INSTALL FIXTURES. INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. COORDINATE FIXTURE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- PROVIDE ACCESS PANELS FOR WATER HAMMER ARRESTORS AS RECOMMENDED BY MANUFACTURER.
- PROVIDE MIXING VALVES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. LOCATE IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL AS REQUIRED.



1901  
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 (856) 795-9595, FAX (856) 795-1882  
 WEB SITE ADDRESS: WWW.RVE.COM  
 Certification of Authorization: 24 GA 28003300  
 -ENGINEERING EXCELLENCE-

DATE: 10-11-2024  
**CHRISTOPHER A. SAPONARO**  
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

**ISSUED FOR BID**  
 DATE: 10-11-2024

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**ELECTRIC WATER HEATER SCHEDULE**

TAG	TYPE	AREA SERVED	BASIS OF DESIGN MANUFACTURER/ MODEL NUMBER	STORAGE CAPACITY (GALLONS)	TOTAL WATTS	VOLTS/PHASE/HZ	RECOVERY @ 100 DEGREE F (GALLONS/ HOUR)	COLD WATER INLET DIAMETER (INCHES)	HOT WATER OUTLET DIAMETER (INCHES)	NOTES
EW-1	TANK	RESTROOMS/ UTILITY ROOM	JEJ040 NS	40	5,500	208/1/60	23	3/4"	3/4"	1,2 & 3

NOTES:

- PROVIDE WATER HEATER WITH ONE YEAR TANK AND PARTS WARRANTY, GLASS-LINED INSULATED STEEL TANK (300 PSIG TEST PRESSURE - 150 PSIG WORKING PRESSURE), ADJUSTABLE INTEGRAL THERMOSTAT, IMMERSION HEATING ELEMENTS (NON-SIMULTANEOUS WIRED), MANUAL RESET HIGH LIMIT SAFETY CONTROL, COMBINATION TEMPERATURE/ PRESSURE RELIEF VALVE, FACTORY INSTALLED HEAT TRAPS, TANK SAVER ANODE, BRASS DRAIN VALVE AND MODEL JKT 3004 (POSITION NO. 5) WALL MOUNTING SHELF.
- WATER HEATER SHALL BE NAECA CODE COMPLIANT AND MEET STANDARD ASHRAE/ IES 90.1 AND UBS, CEC NATIONAL CODES.
- PROVIDE WATER HEATER WITH NON-FUSED DISCONNECT SWITCH.

**EXPANSION TANKS SCHEDULE**

TAG	TANK VOLUME (GAL)	MAXIMUM ACCEPTANCE VOLUME	MAXIMUM WORKING PRESSURE (PSIG)	MAXIMUM WORKING TEMPERATURE (DEGREES F)	TANK PRE-CHARGE PSIG	SYSTEM CONNECTION (INCHES)	TANK DIAMETER (INCHES)	TANK HEIGHT (INCHES)	APPROXIMATE TANK WEIGHT 100% FULL (LBS)	BASIS OF DESIGN MANUFACTURER/ MODEL NUMBER	NOTES
ET-1	2.1	1	150	150	40	3/4	8	12	23	FLEXCON INDUSTRIES FLEX 2 PH 5	1

NOTES:

- PROVIDE EXPANSION TANK WITH FULL ACCEPTANCE BUTYL DIAPHRAM BLADDER SYSTEM, STAINLESS STEEL CONNECTIONS, FACTORY PRE-CHARGE, SIGHT GLASS, SERVICE VALVE, AND ALL OTHER ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER FOR PROPER INSTALLATION AND OPERATION.

**RECIRCULATION PUMP SCHEDULE**

TAG	SERVICE	TYPE	FLUID TYPE	FLOW (GPM)	TDH (FEET)	MOTOR HP	MOTOR RPM	ELECTRICAL VOLTS/ PHASE/ HERTZ	BASIS OF DESIGN MANUFACTURER/ MODEL NUMBER	NOTES
P-1	DOMESTIC HOT WATER RECIRCULATION	INLINE CENTRIFUGAL	WATER	2	10	0.04	3250	115/1/60	TACO IL008-BC6	1

NOTES:

- PROVIDE WITH NON-FUSED DISCONNECT SWITCH AND STARTER, TIMER AND AQUASTAT.

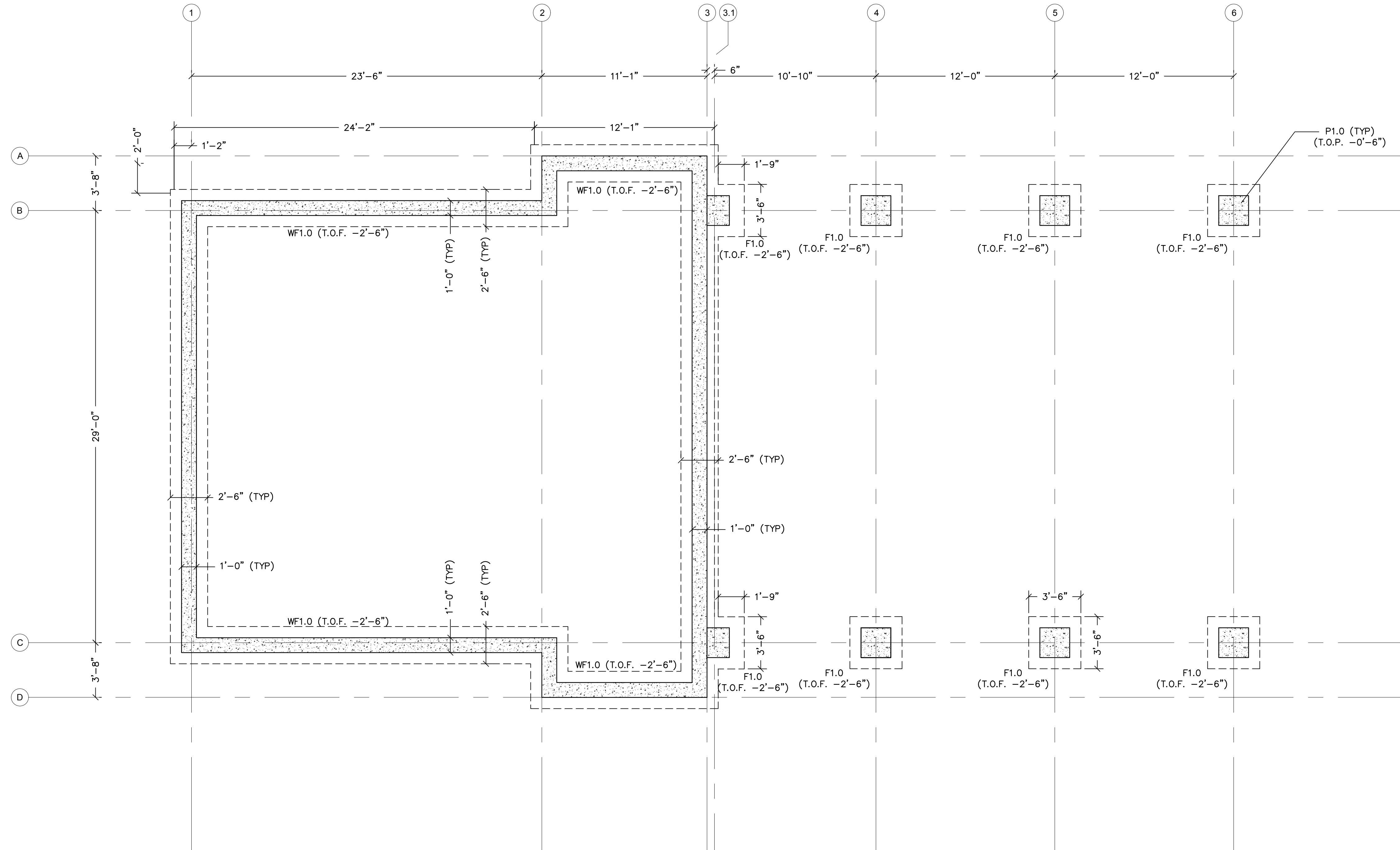
NO.	REVISION	DATE	BY

**PLUMBING SCHEDULES**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY

DRAWN BY: BZ    DESIGN BY: TJL    CHECKED BY: [Signature]    SCALE: AS NOTED  
 DATE: 10-13-2021    SHEET No.: P-6.1  
 JOB No.: 08247062





### FOUNDATION PLAN

SCALE: 1/4"=1'

(.....) INDICATES T/FTG. EL. SUBTRACTED FROM F.F., T/F.F. @ EL. 0'-0".

REFER TO ARCHITECTURAL ELEVATIONS FOR FINISHED GRADES.

SECTIONS SHOWN IN PLAN APPLY TO SIMILAR CONDITIONS THROUGHOUT THE BLDG.

PIER SCHEDULE	WALL FOOTING SCHEDULE	COLUMN FOOTING SCHEDULE
P1.0	WF1.0	F1.0
2'-0" x 2'-0" W/ #8 VERT. BARS @ EQ. SP. AND #3 @ 12" O.C. TIES	2'-6"W x 1'-0" THICK W/ #5 @ 12" O.C. EACH WAY T&B	3'-6" x 3'-6" x 1'-0" THICK W/ #5 @ 12" O.C. EACH WAY T&B



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DATE: 11-13-2024  
**KENNETH C. RESSLER**  
 NJ PROFESSIONAL ENGINEER LIC. No. 34559

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NO.	REVISION	DATE	BY/CHK

**FOUNDATION PLAN**  
 WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY

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11 / 2024	S-1.1		
JOB No.:	0824 T 062		

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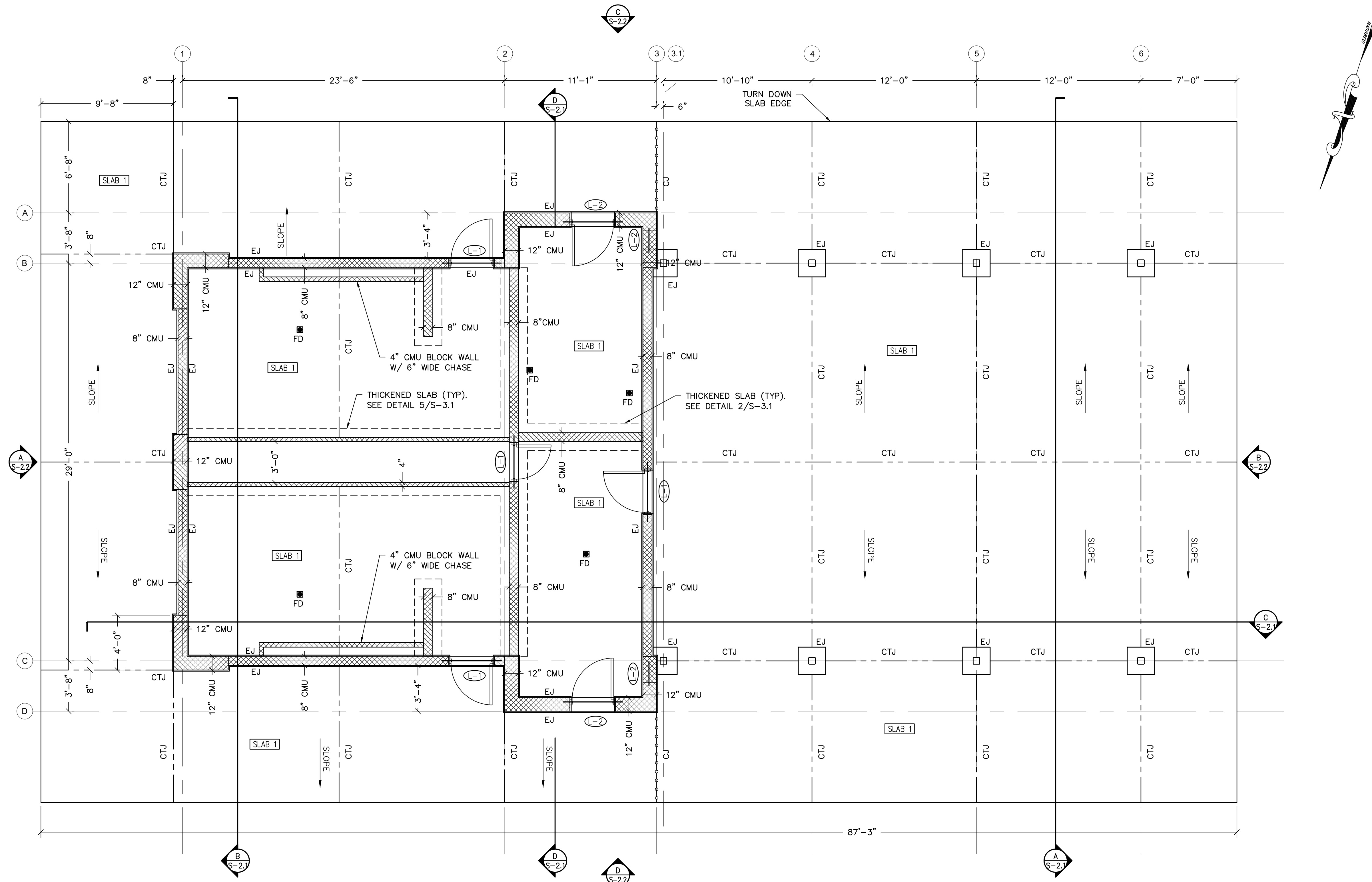


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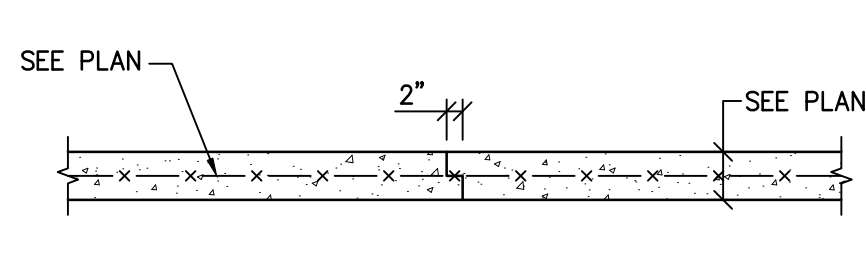
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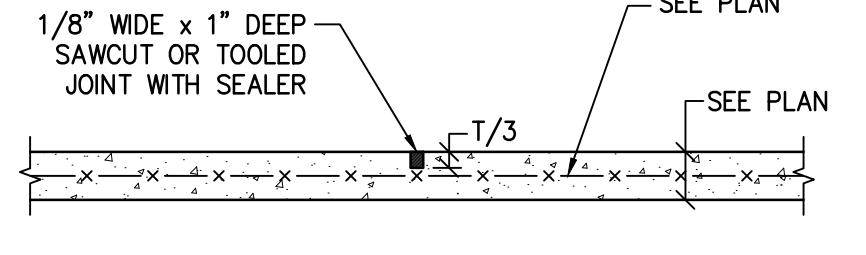
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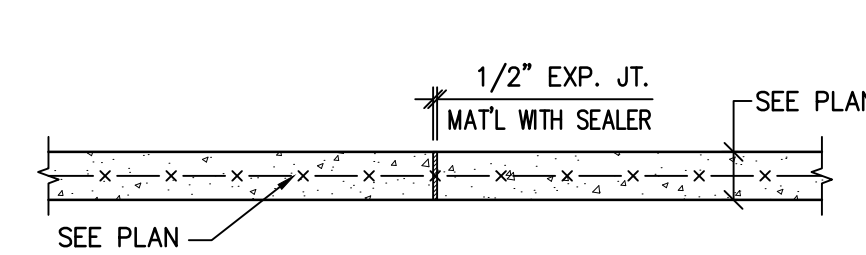
**TOP SLAB AND LINTEL PLAN**  
 SCALE: 1/4"=1'



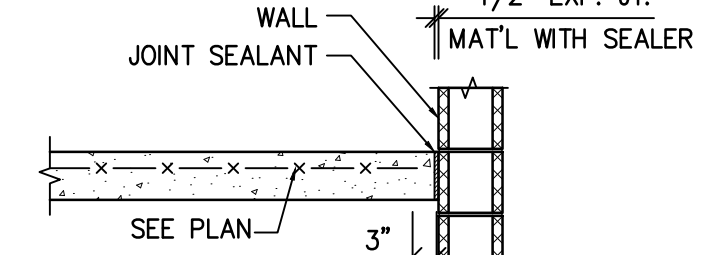
**SLAB CONSTRUCTION JOINT**  
 N.T.S.



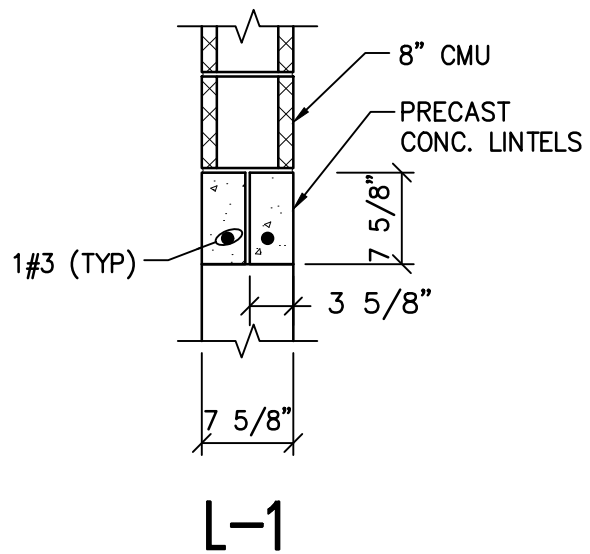
**SLAB CONTROL JOINT**  
 N.T.S.



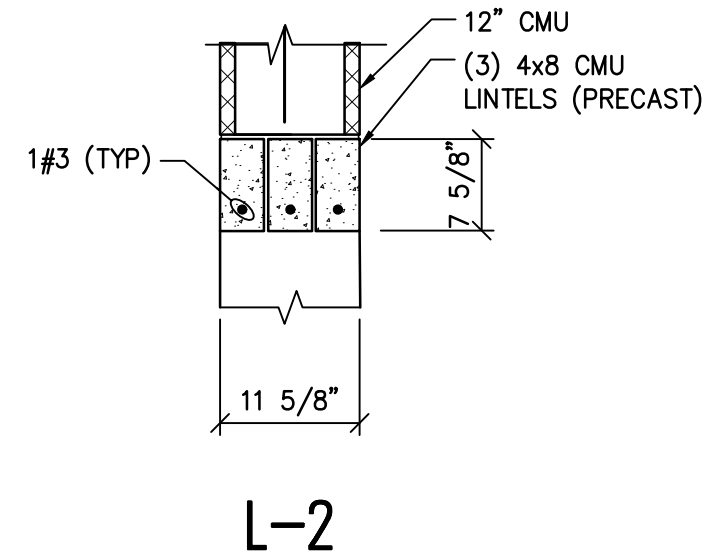
**SLAB EXPANSION JOINT**  
 N.T.S.



**SLAB EXPANSION JOINT**  
 N.T.S.



**L-1**



**L-2**

SLAB ON GRADE SCHEDULE	
SLAB-1	
4" THICK S.O.G. W/WWF 6x6 - W2.9xW2.9 ON 10 MIL VAPOR BARRIER AND 6" CRUSHED STONE	

**LEGEND**

- EXPANSION JOINT= EJ
- CONTROL JOINT= CTJ
- CONSTRUCTION JOINT= CJ

STEEL LINTEL SCHEDULE			
CLEAR SPAN	BEARING WALL LINTEL SECTION NOTE 2	NON-BEARING WALL LINTEL SECTION	BEARING EACH END NOTE 1
UP TO 4'-11"	(2) <math>4 \times 3 \times 1/2 \times 5/16 \text{\"}>	(2) <math>4 \times 3 \times 1/2 \times 5/16 \text{\"}>	8"
5'-0" TO 5'-11"	(2) <math>6 \times 3 \times 1/2 \times 5/16 \text{\"}>	(2) <math>5 \times 3 \times 1/2 \times 5/16 \text{\"}>	8"
6'-0" TO 6'-11"	(2) <math>6 \times 3 \times 1/2 \times 1/2 \text{\"}>	(2) <math>6 \times 3 \times 1/2 \times 5/16 \text{\"}>	8"
7'-0" TO 8'-11"	(1) W8x24	NA	8"
9'-0" TO 12'-0"	(1) W8x31	NA	8"

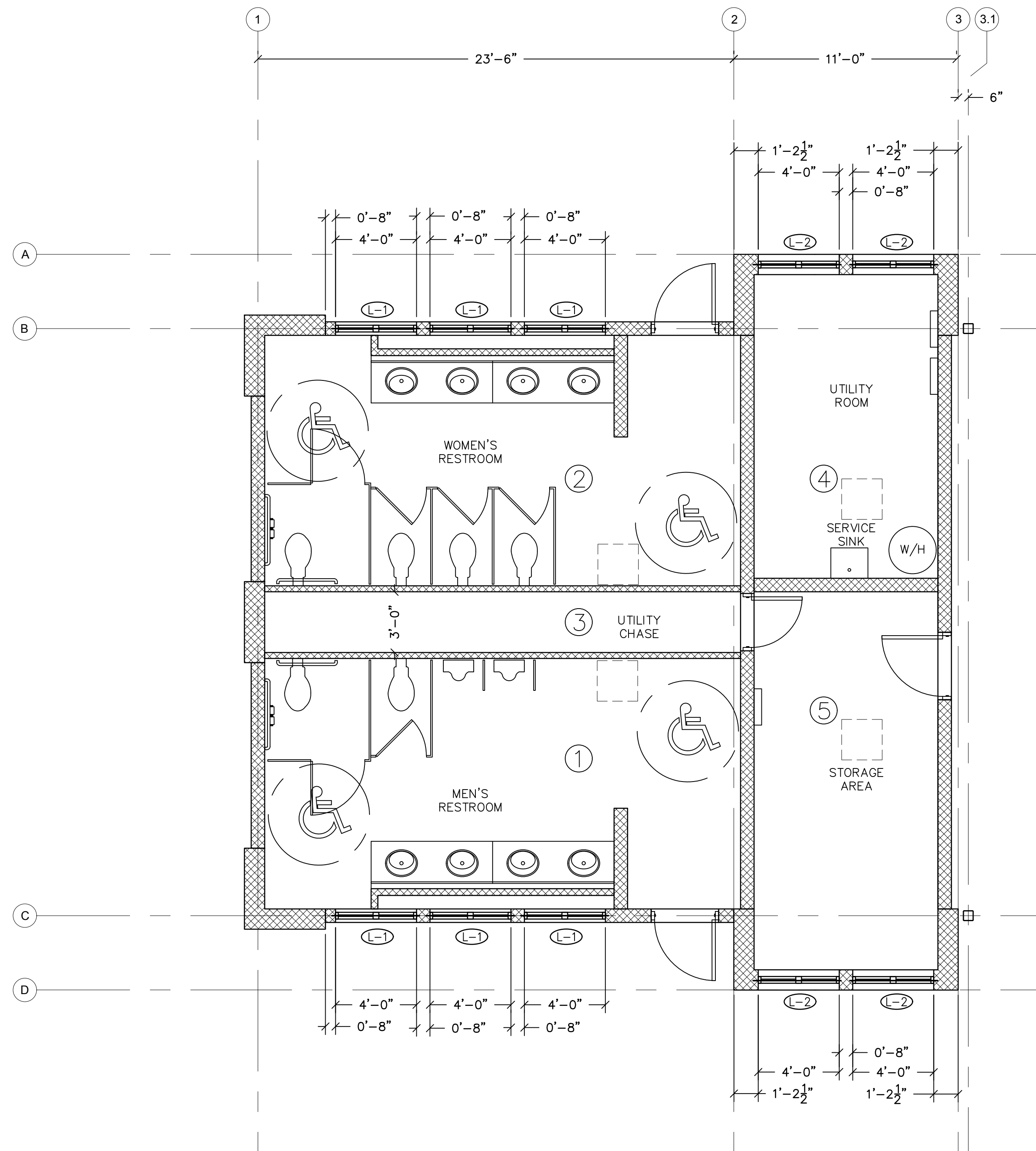
NOTE:  
 1. GROUT CELLS SOLID WITH PEA GRAVEL CONCRETE FOR FULL WALL HEIGHT UNDER LINTEL FOR 8" BEARING LENGTH.  
 2. FOR 4" CMU VENEER WALLS, USE SINGLE ANGLES OF SIZES SHOWN.  
 3. PROVIDE STEEL LINTELS AT ALL DOORS, WINDOWS AND MISCELLANEOUS OPENINGS AS REQUIRED.

**SLAB AND LINTEL PLAN**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY

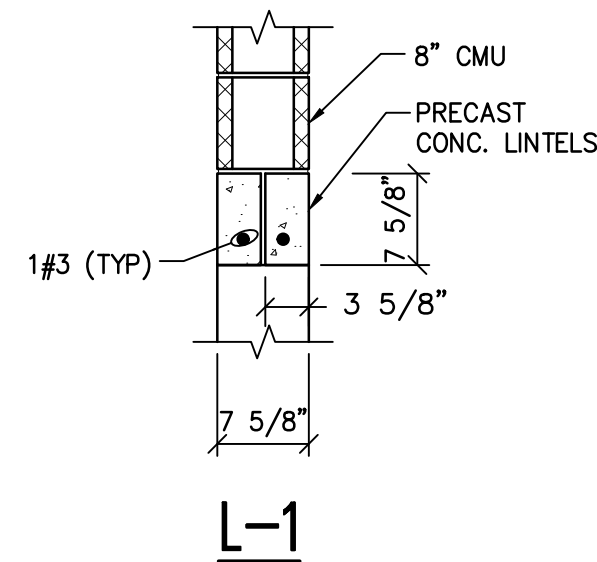
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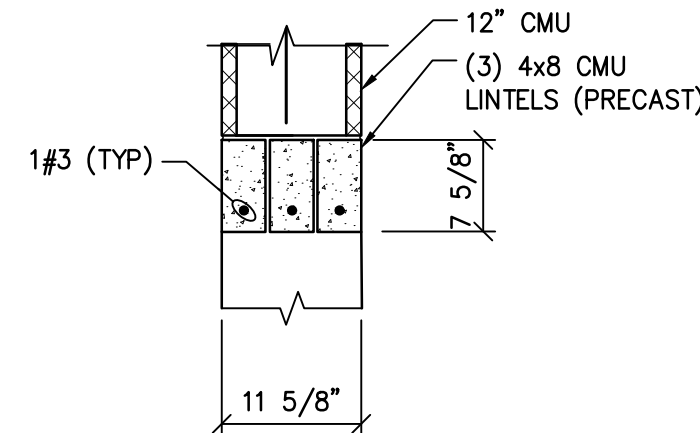


**WINDOW LINTEL PLAN (HIGH)**

SCALE: 1/4"=1'



**L-1**



**L-2**

**WINDOW SCHEDULE**

WINDOW NO.	WINDOW LOCATION	WINDOW SIZE WIDTHxHEIGHT	WINDOW MATERIAL	FRAME MATERIAL	REMARKS
W1	VARIOUS	4'-0" x 2'-0"	SEE SPEC	SEE SPEC	2 REQ'D
W2	VARIOUS	4'-0" x 2'-0"	SEE SPEC	SEE SPEC	3 REQ'D

**STEEL LINTEL SCHEDULE**

CLEAR SPAN	BEARING WALL LINTEL SECTION NOTE 2	NON-BEARING WALL LINTEL SECTION	BEARING EACH END NOTE 1
UP TO 4'-11"	(2) <math>\angle 5 \times 3 \times 1/2 \times 5/16 \text{ inch}</math>	(2) <math>\angle 4 \times 3 \times 1/2 \times 5/16 \text{ inch}</math>	8"
5'-0" TO 5'-11"	(2) <math>\angle 6 \times 3 \times 1/2 \times 5/16 \text{ inch}</math>	(2) <math>\angle 5 \times 3 \times 1/2 \times 5/16 \text{ inch}</math>	8"
6'-0" TO 6'-11"	(2) <math>\angle 6 \times 3 \times 1/2 \times 1/2 \text{ inch}</math>	(2) <math>\angle 6 \times 3 \times 1/2 \times 5/16 \text{ inch}</math>	8"
7'-0" TO 8'-11"	(1) W8x24	NA	8"
9'-0" TO 12'-0"	(1) W8x31	NA	8"

**NOTE:**

- GROUT CELLS SOLID WITH PEA GRAVEL CONCRETE FOR FULL WALL HEIGHT UNDER LINTEL FOR 8" BEARING LENGTH.
- FOR 4" CMU VENEER WALLS, USE SINGLE ANGLES OF SIZES SHOWN.
- PROVIDE STEEL LINTELS AT ALL DOORS, WINDOWS AND MISCELLANEOUS OPENINGS AS REQUIRED.



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NO.	REVISION	DATE	BY	CHK

**WINDOW LINTEL & SCHEDULE PLAN (HIGH)**  
 WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY

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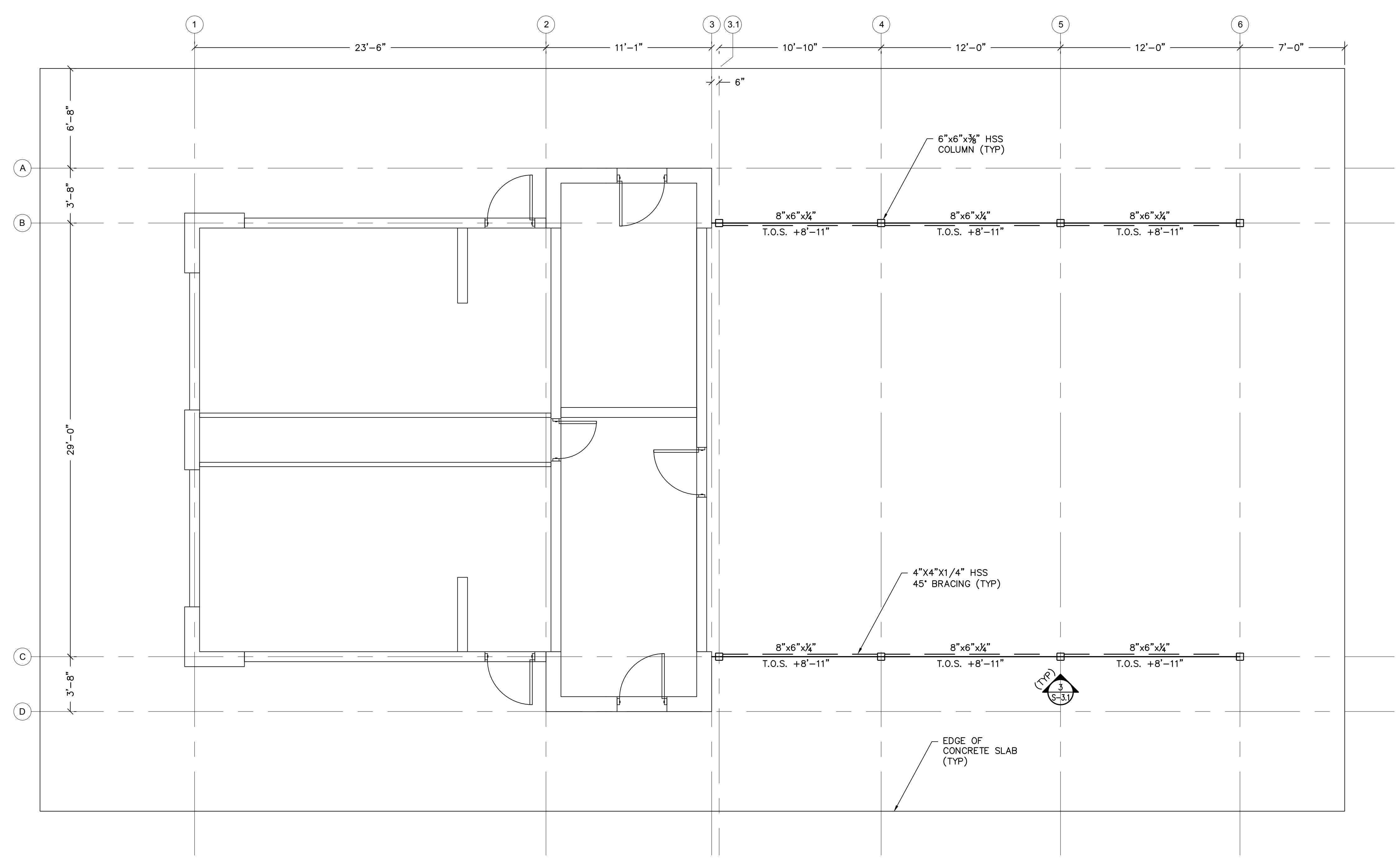
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**STEEL FRAMING PLAN**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND

WOOLWICH TOWNSHIP  
 GLOUCESTER COUNTY  
 NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
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DATE:	SHEET No.:		
11 / 2024	S-1.3		
JOB No.:	0824 T 062		



**STEEL FRAMING PLAN**  
 SCALE: 1/4"=1'

**NOTE:**  
 ALL EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED.

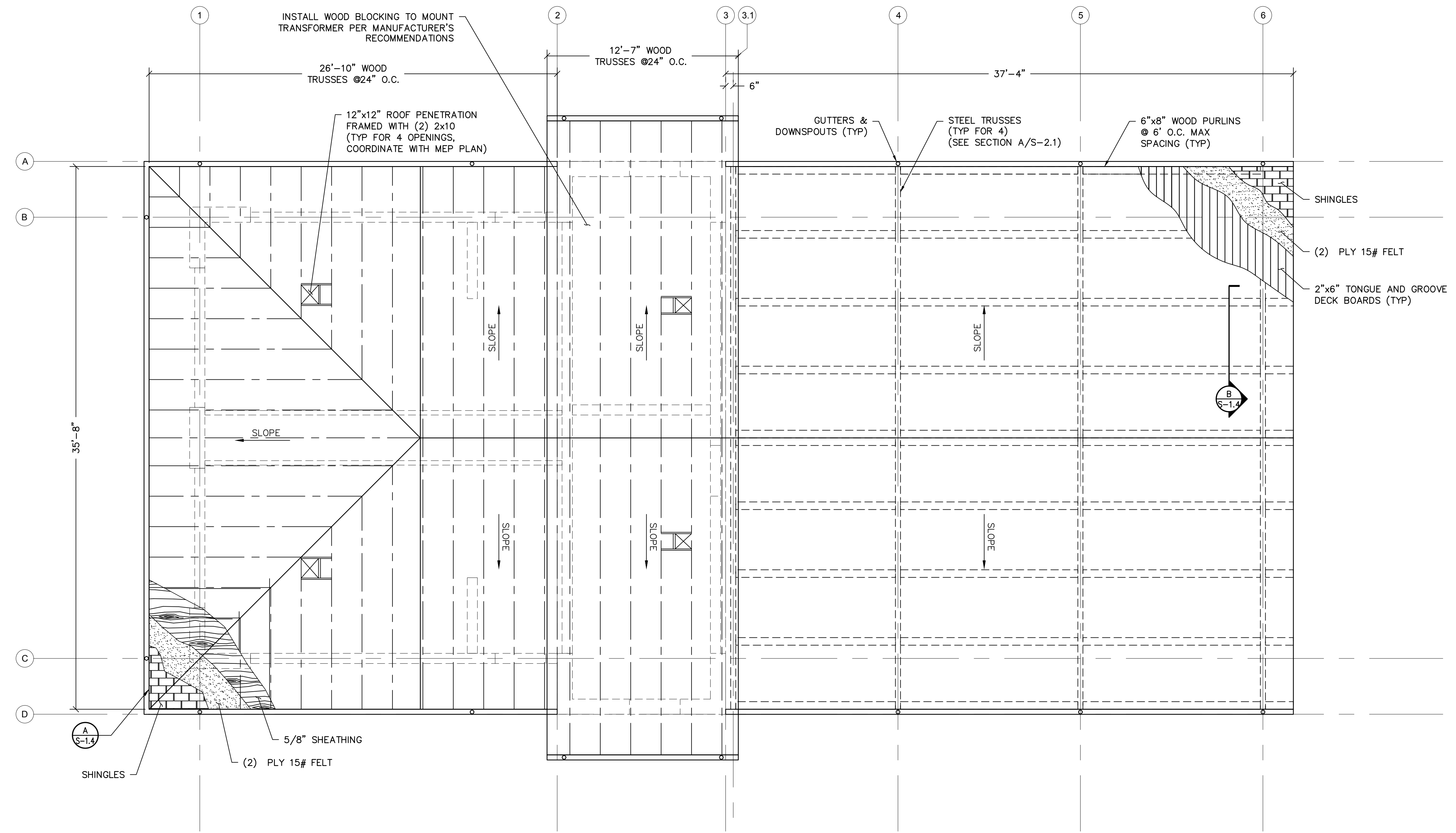
COLUMN SCHEDULE	
COLUMN	B-3.1, B-4, B-5, B-6 C-3.1, C-4, C-5, C-6
COLUMN SIZE	HSS 6x6x3/8
BASE PLATE	BP-1 (SEE S-3.1)



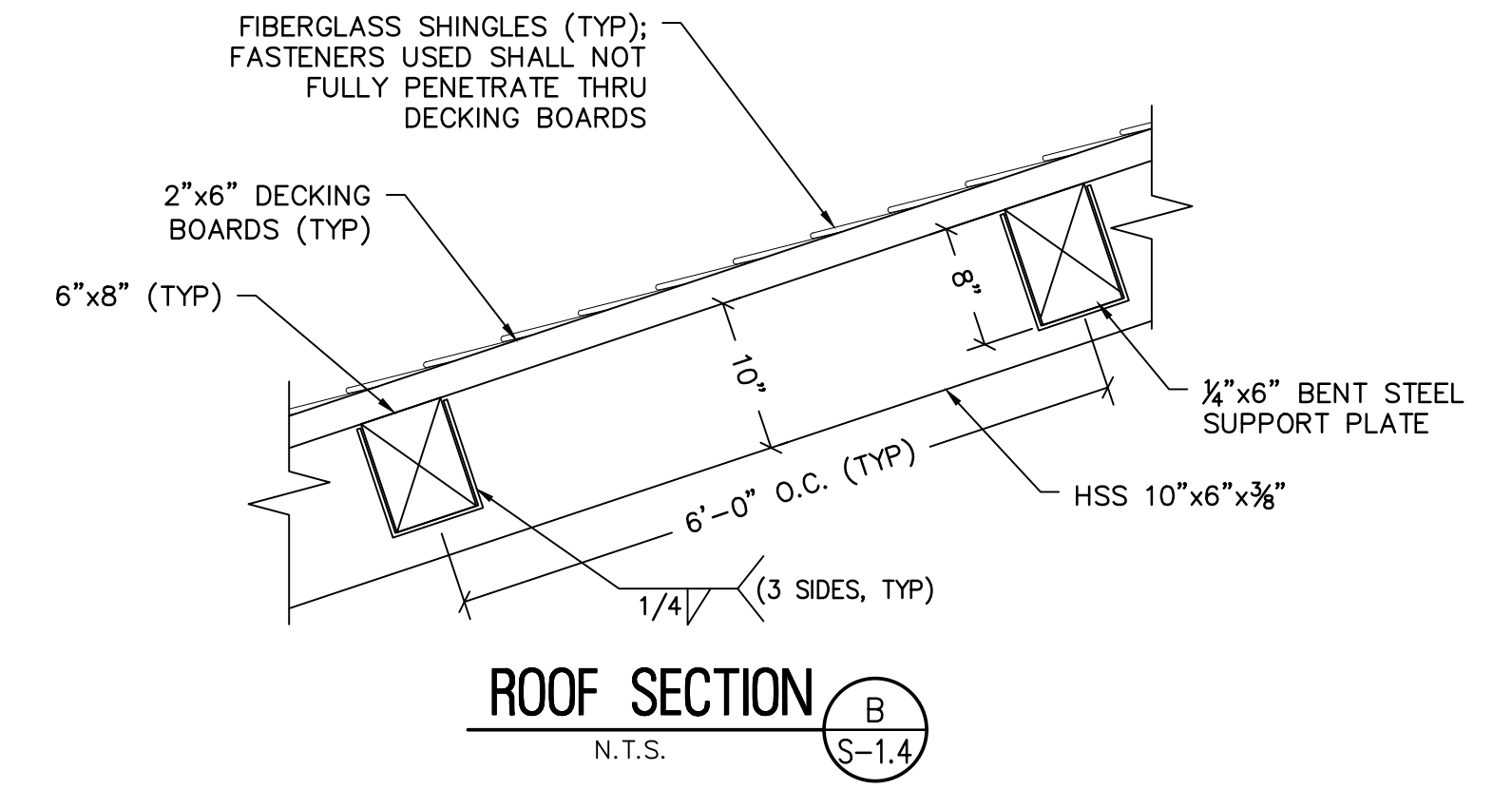
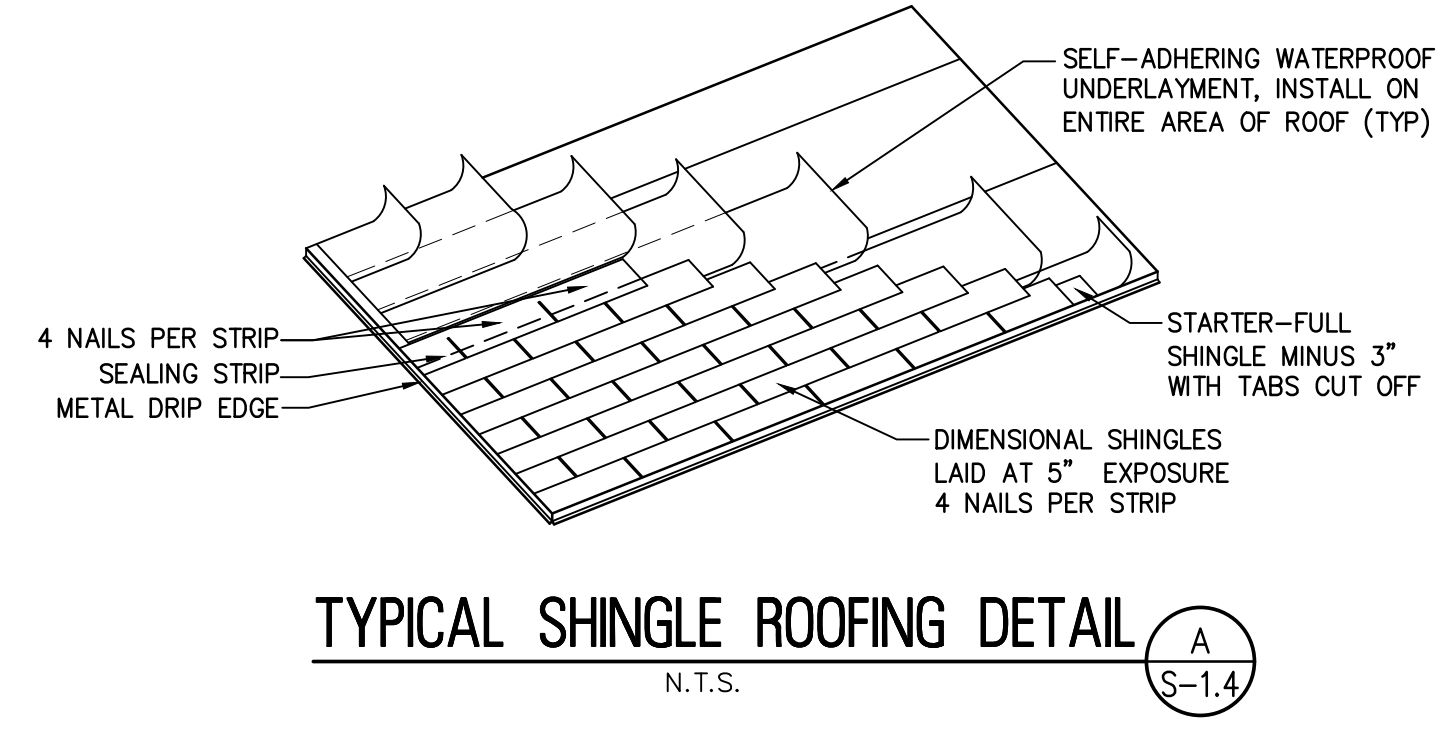
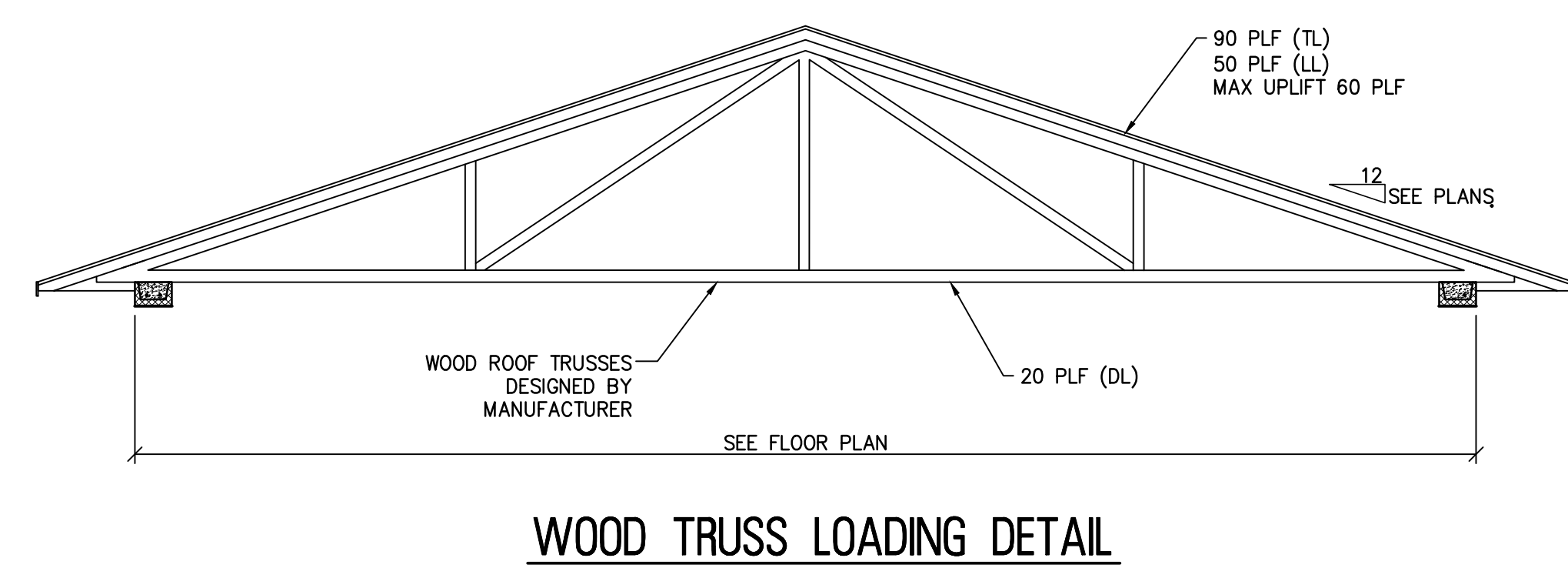
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**ROOF FRAMING PLAN**  
 SCALE: 1/4"=1'



NO.	REVISION	DATE	BY	CHK

**ROOF FRAMING PLAN**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 GLOUCESTER COUNTY  
 NEW JERSEY

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DATE:	11 / 2024		
JOB No.:	0824 T 062		
SHEET No.:			S-1.4



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& VERNICK  
ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
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Certification of Authorization: 24 GA 28003300  
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DATE: 11-13-2024  
**KENNETH C. RESSLER**  
NJ PROFESSIONAL ENGINEER LIC. NO. 34559

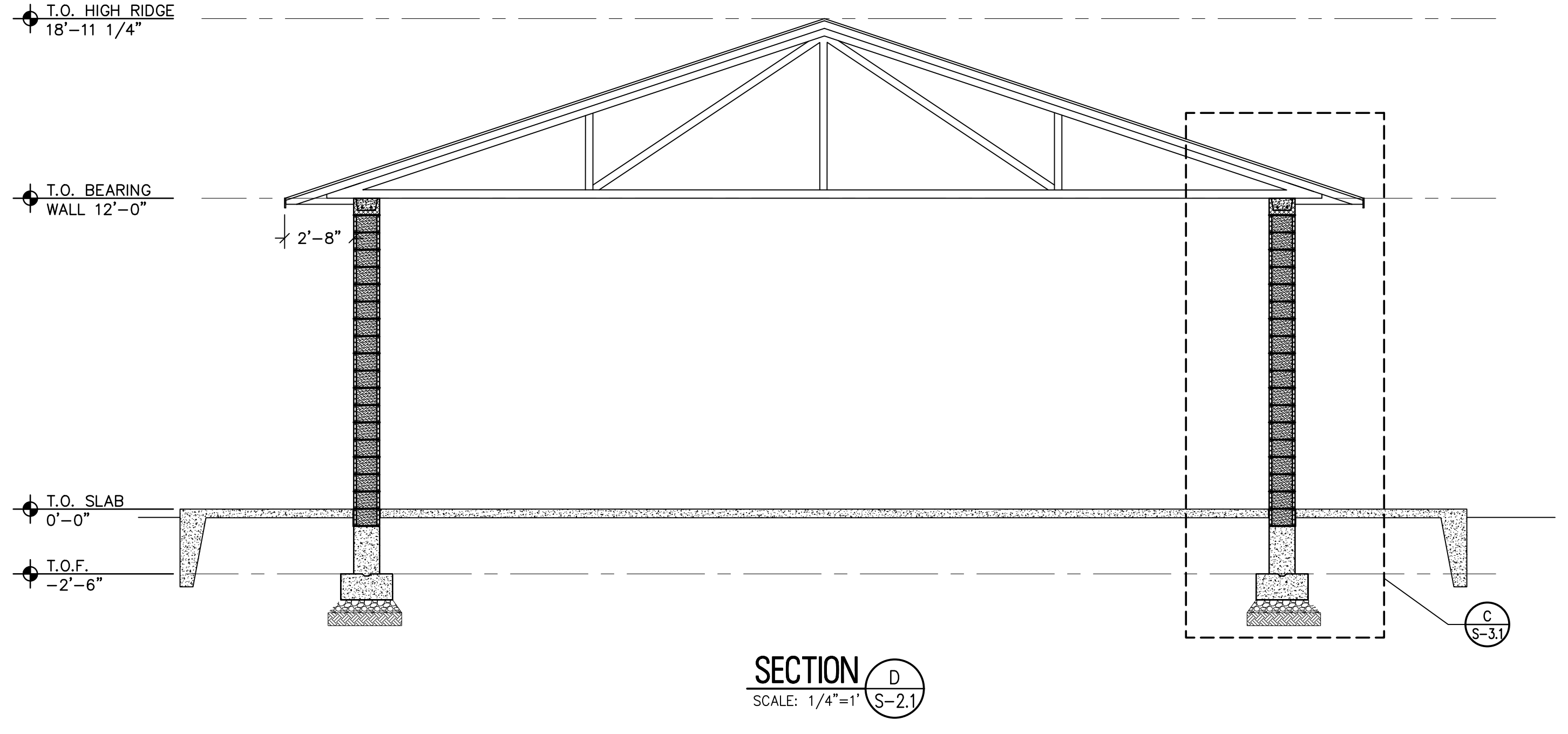
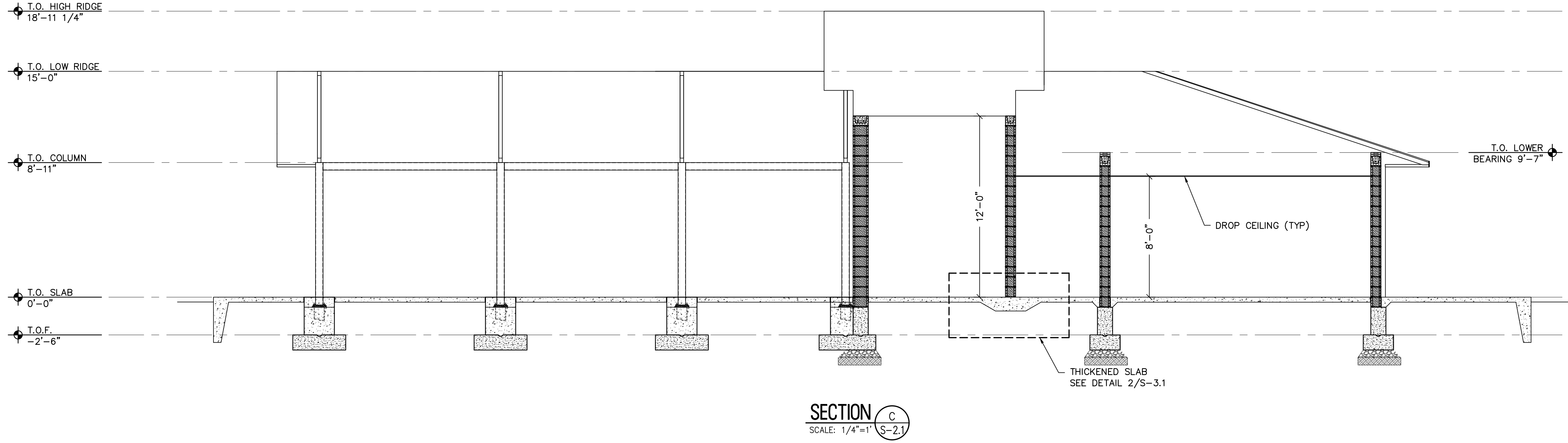
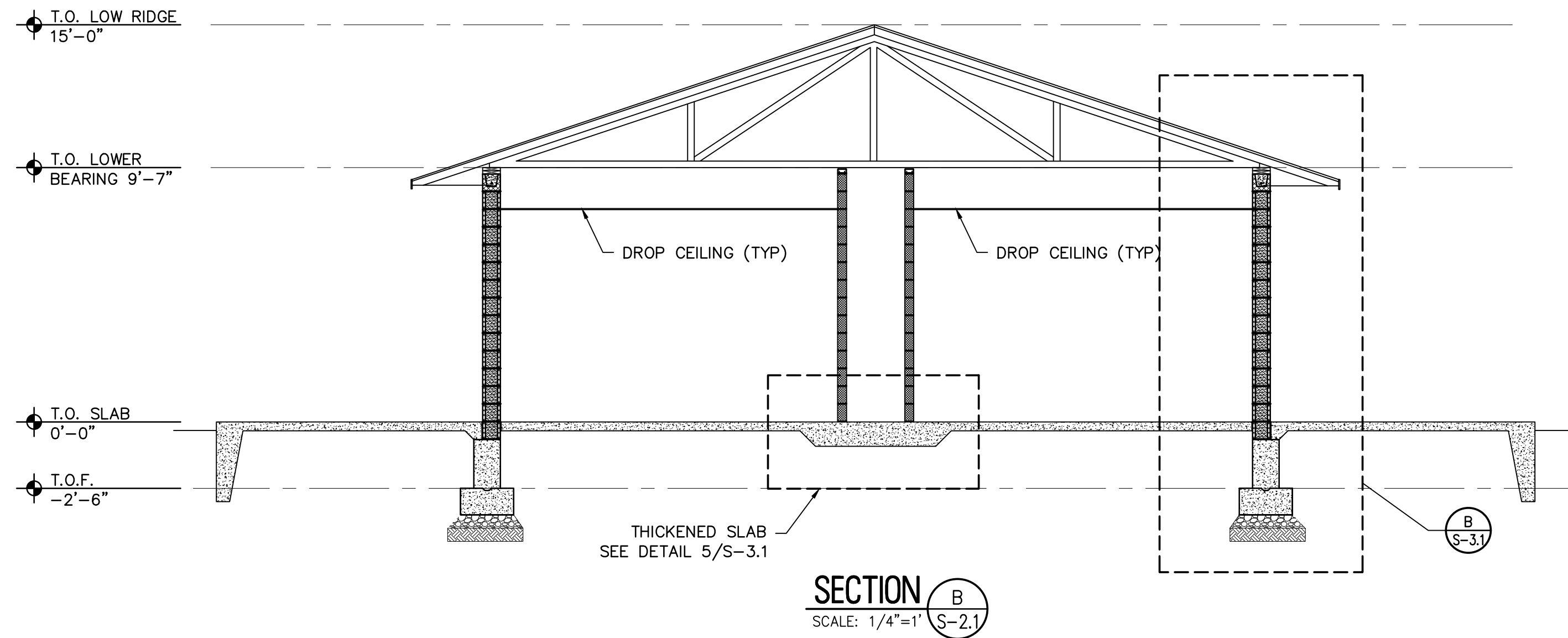
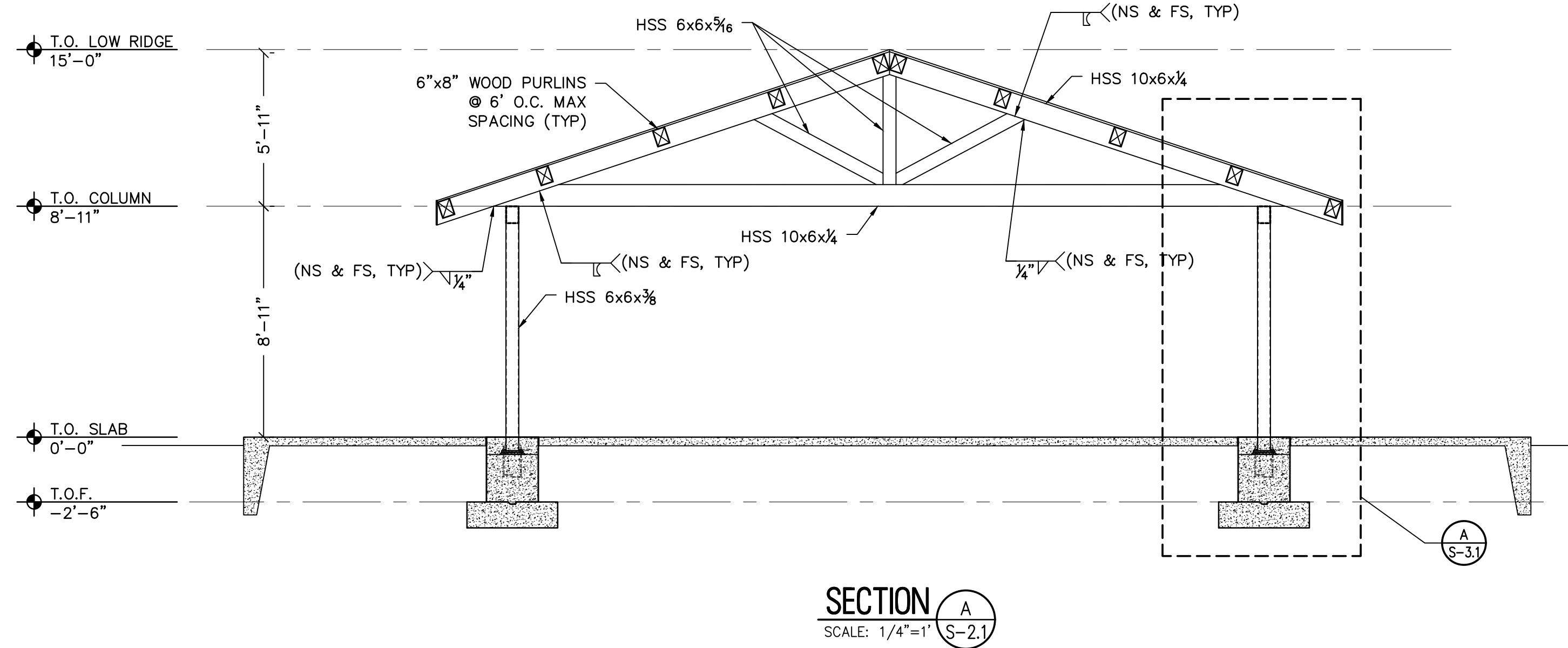
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NO.	REVISION	DATE	BY	CHK

<b>SECTIONS</b>	WOOLWICH TOWNSHIP	NEW JERSEY
	LOCKE AVE PARK CONCESSION STAND	
	WOOLWICH TOWNSHIP GLoucester County	

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JOB No.	0624 T 062		



P:\CADD\Projects\0624T\062 T 062 Lock Ave Concession Stand\0624T 062.rvt

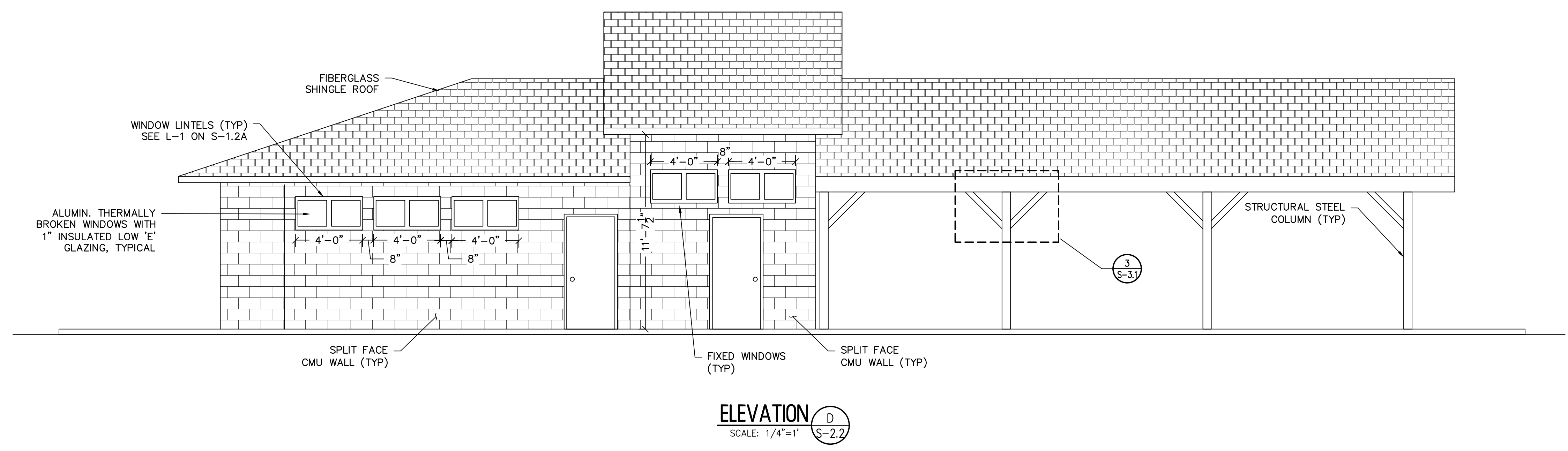
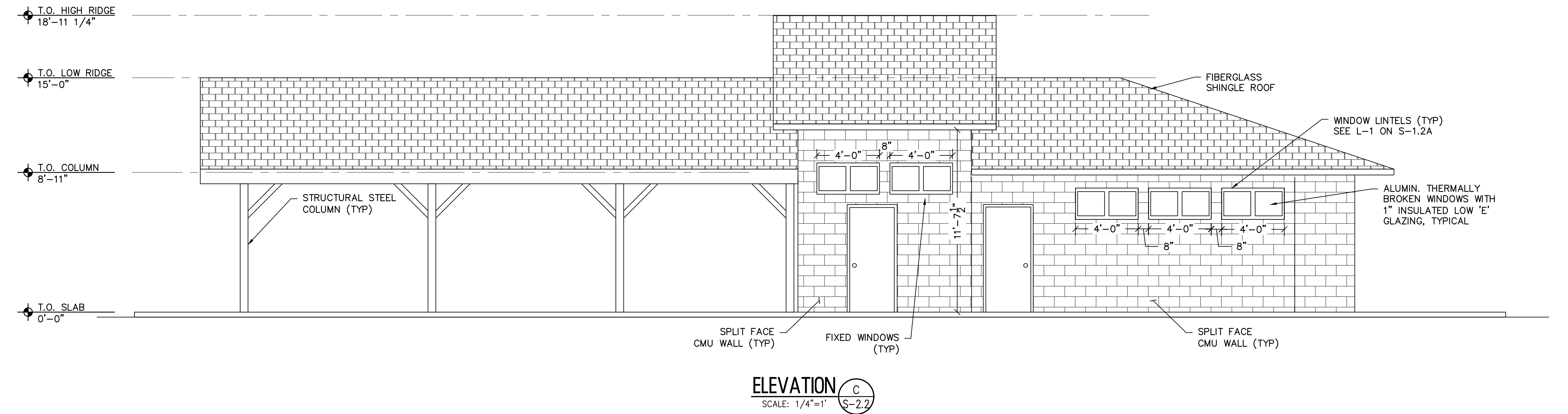
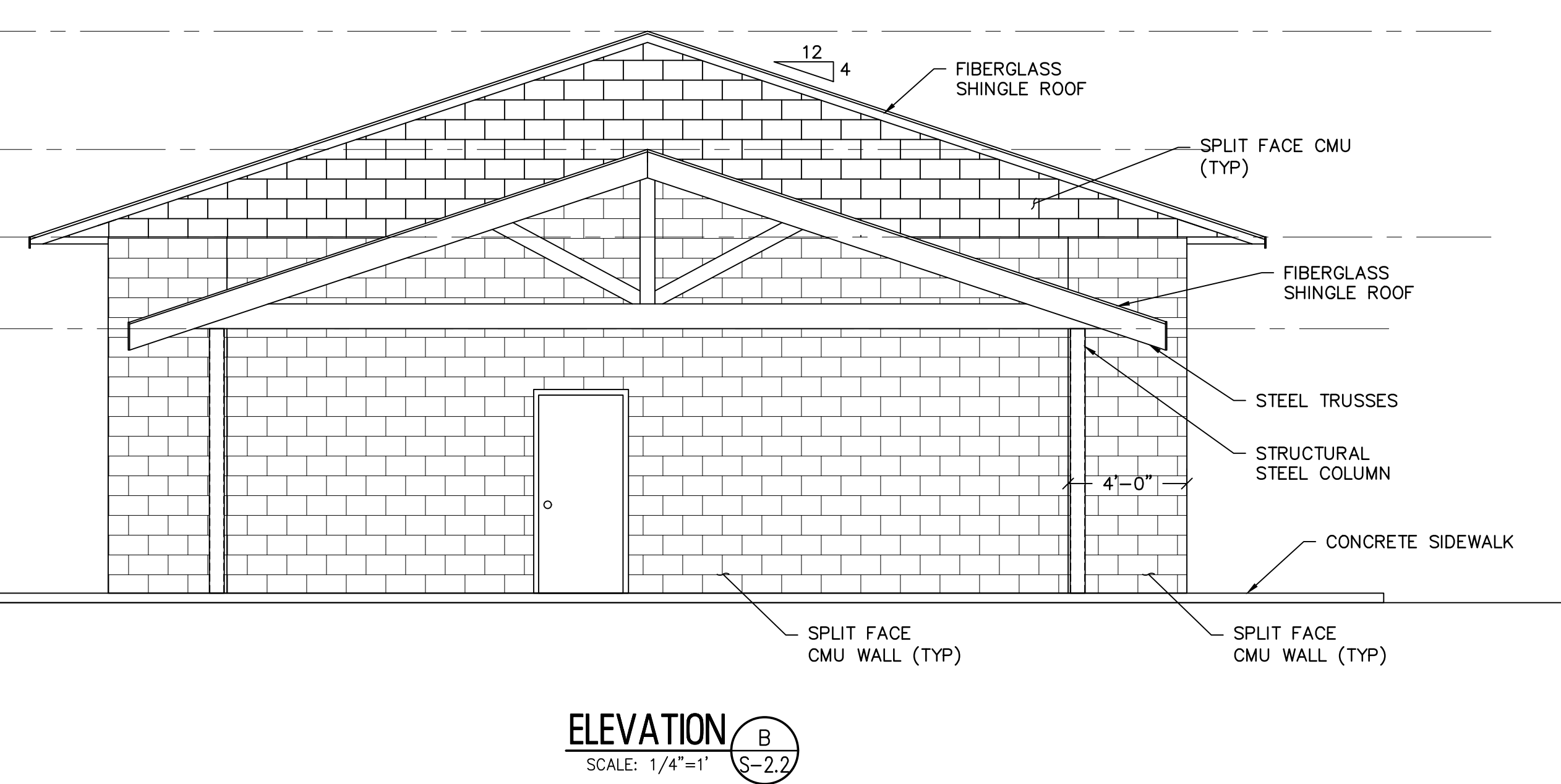
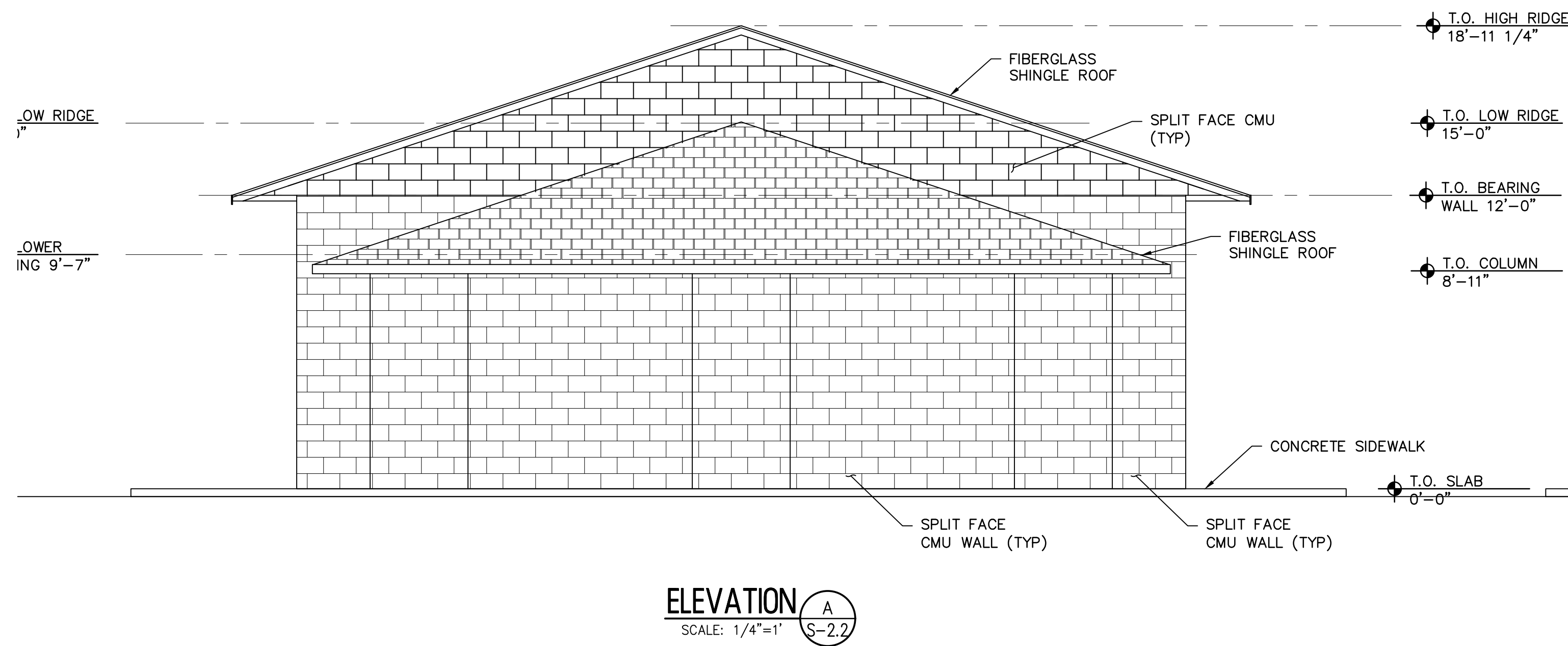
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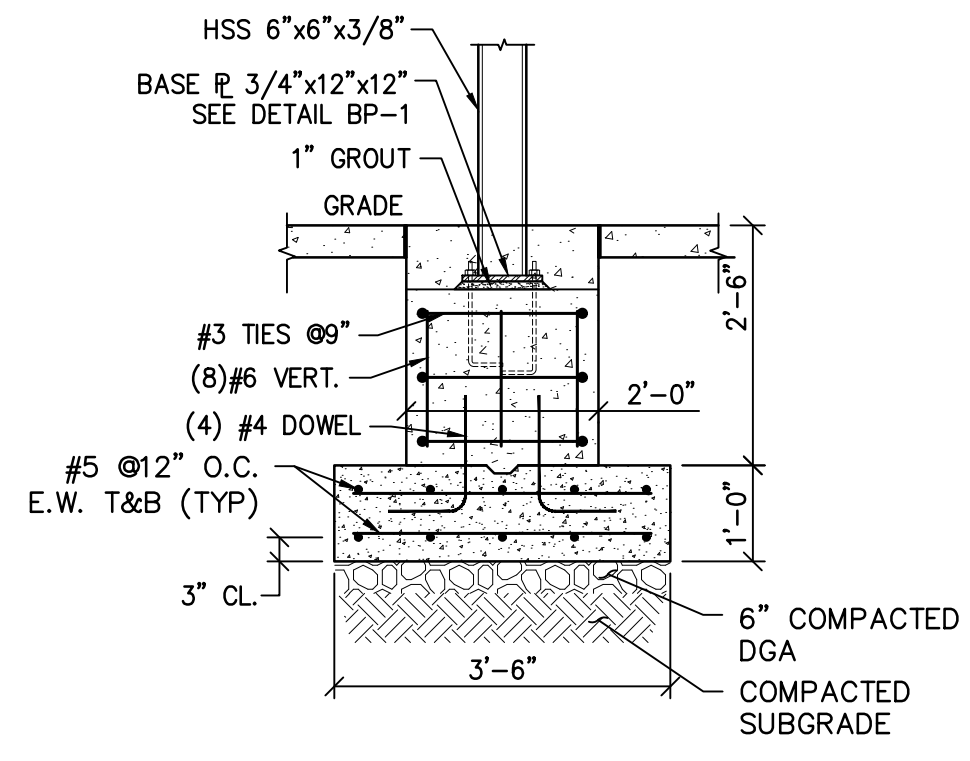
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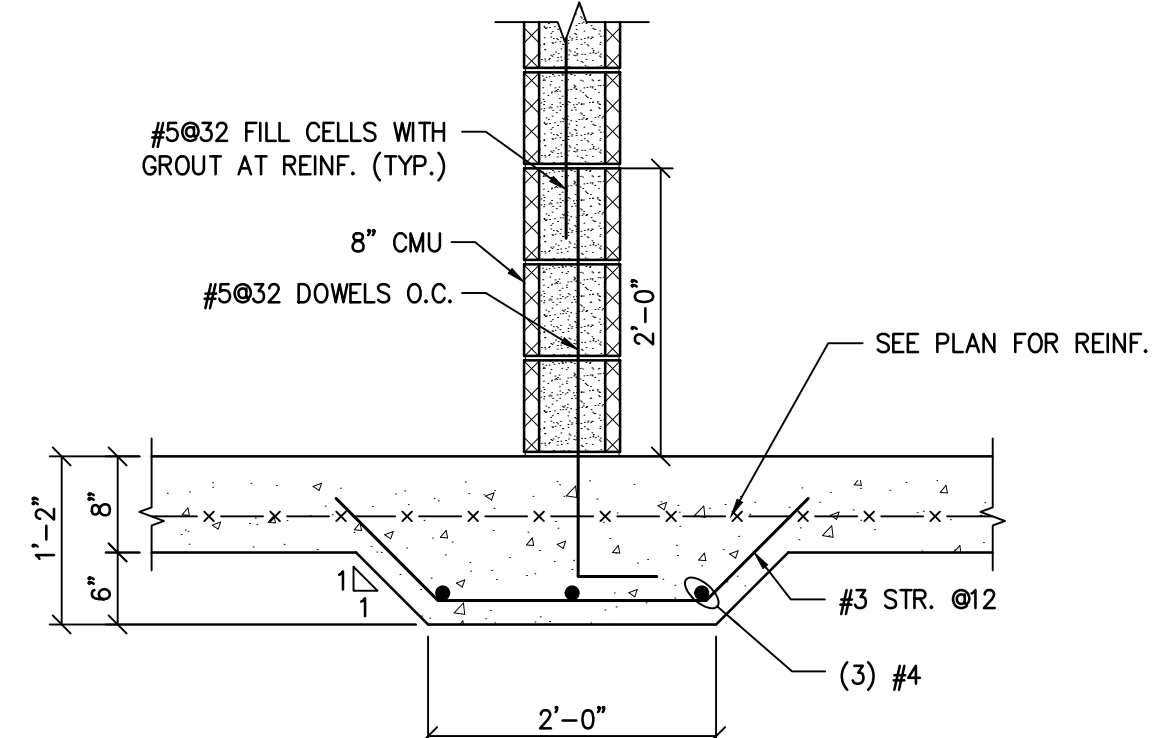
**ELEVATIONS**  
WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY  
NEW JERSEY

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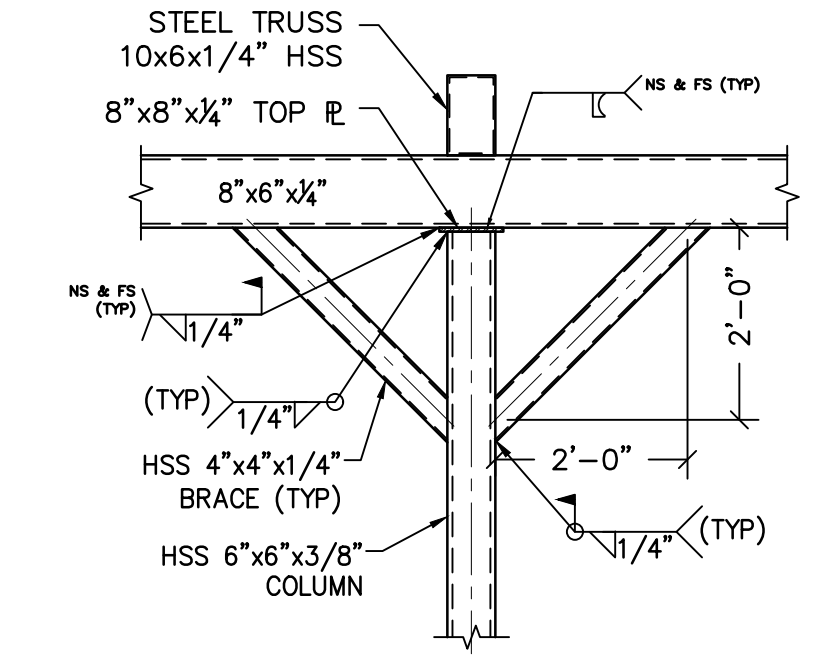




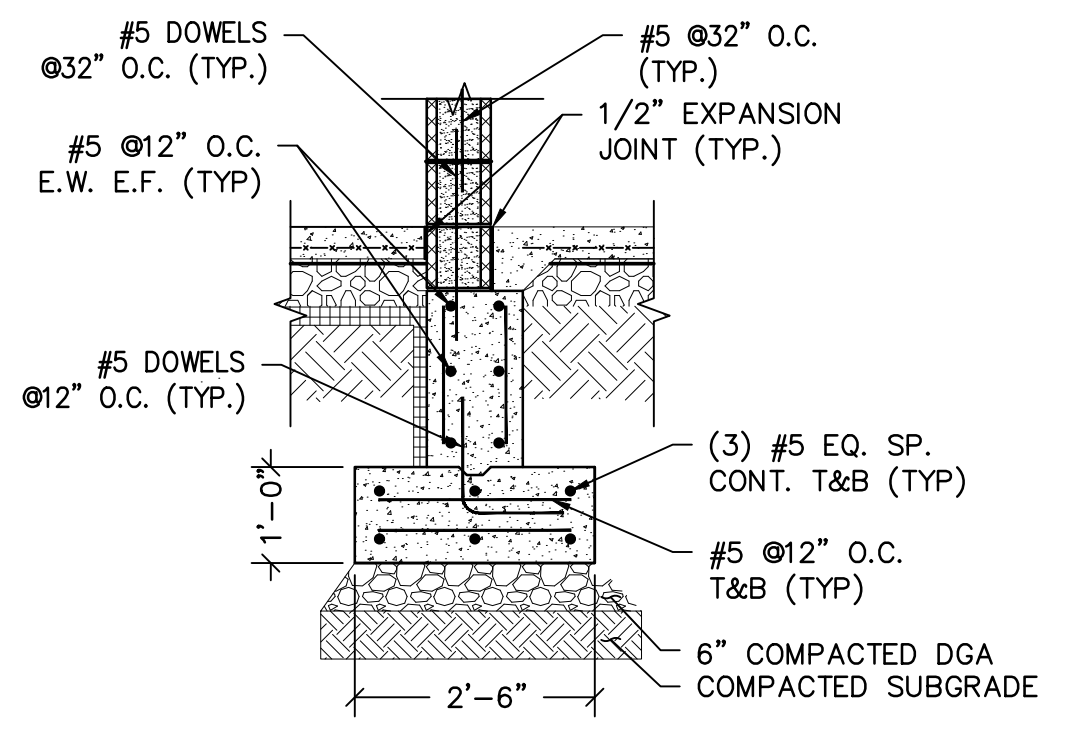
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SCALE: 3/4"=1"  
S-3.1



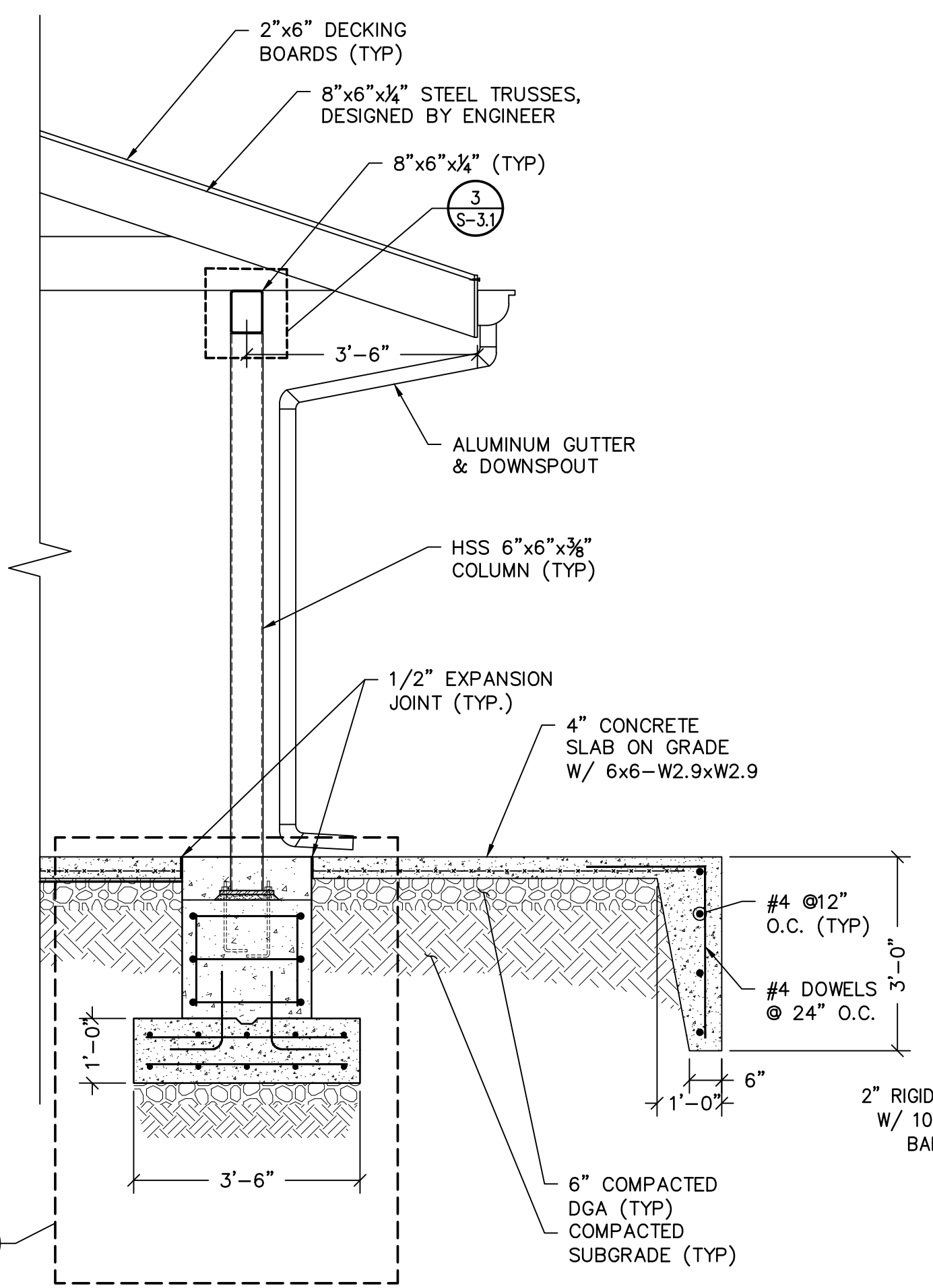
**THICKENED SLAB DETAIL 2**  
SCALE: 3/4"=1"  
S-3.1



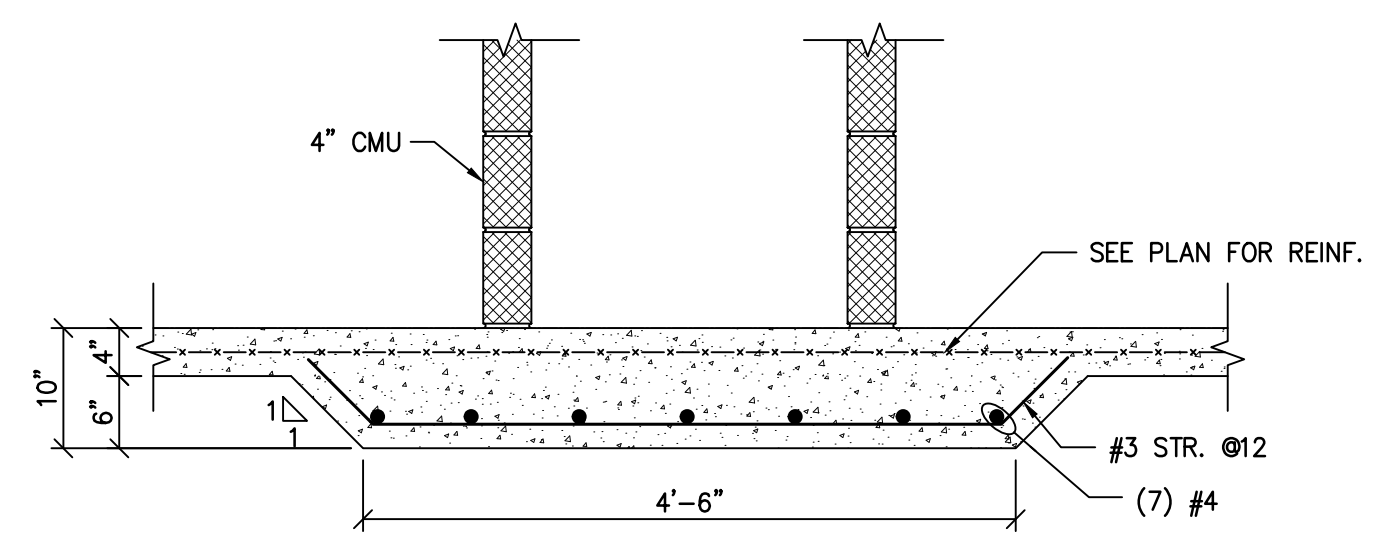
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SCALE: 1/2"=1"  
S-3.1



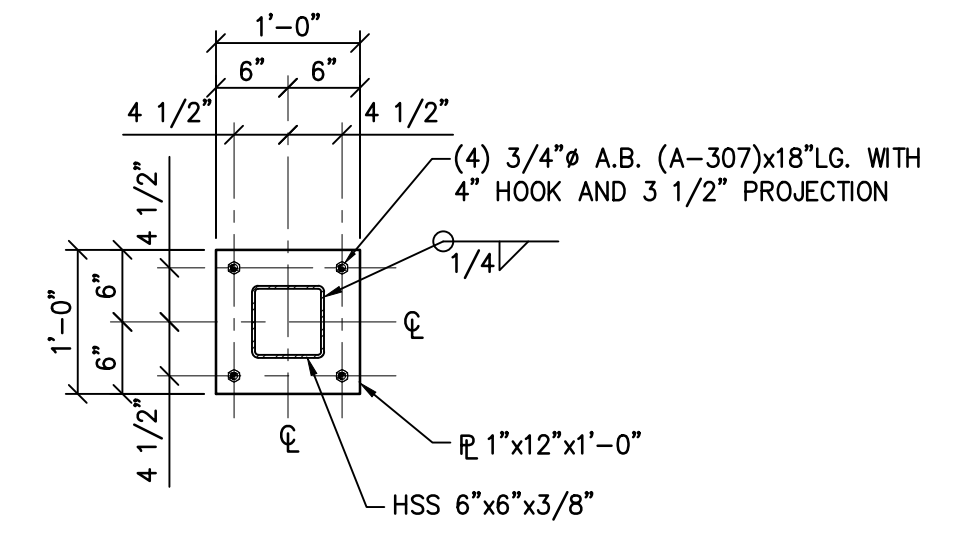
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S-3.1



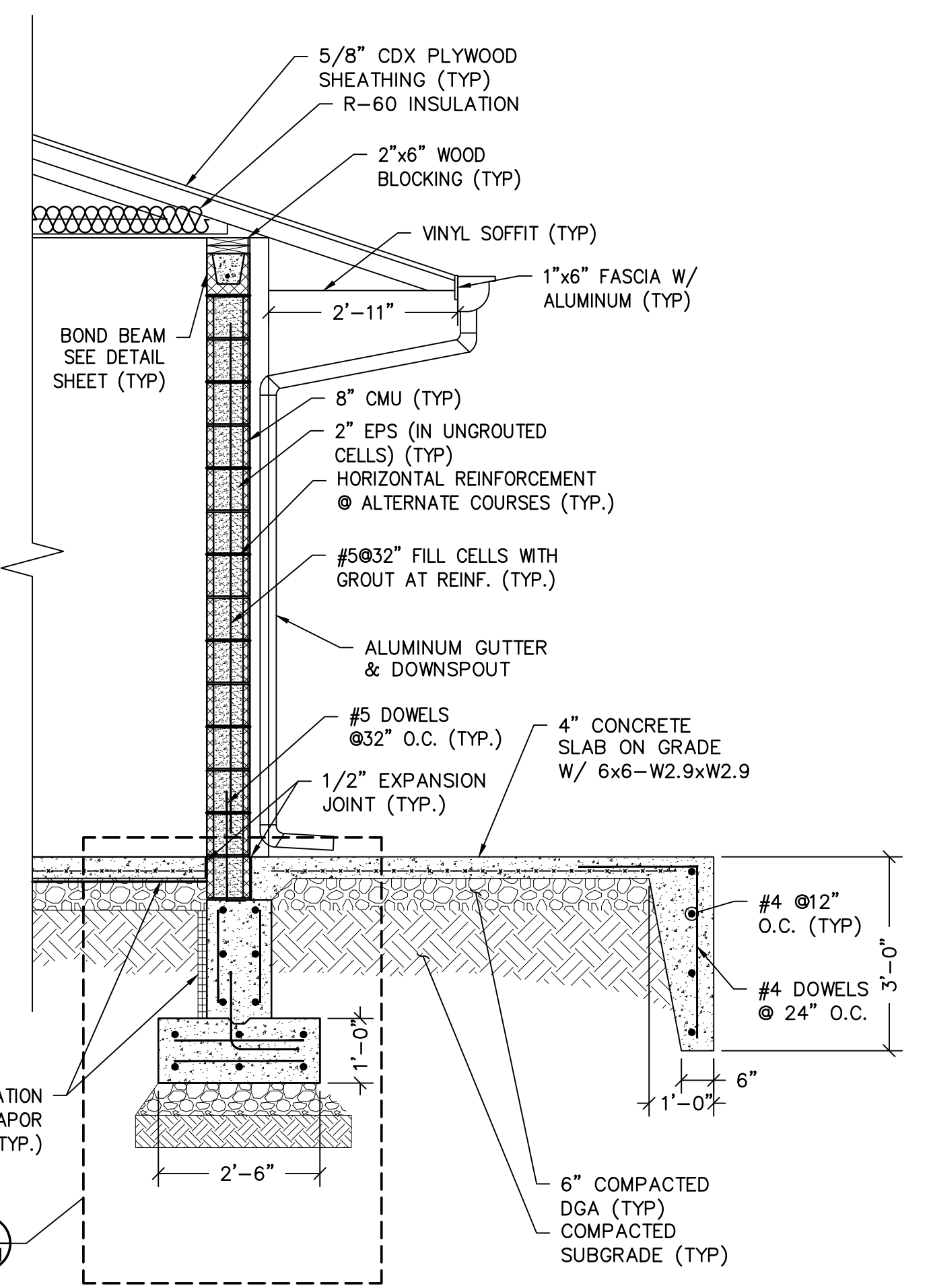
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S-3.1



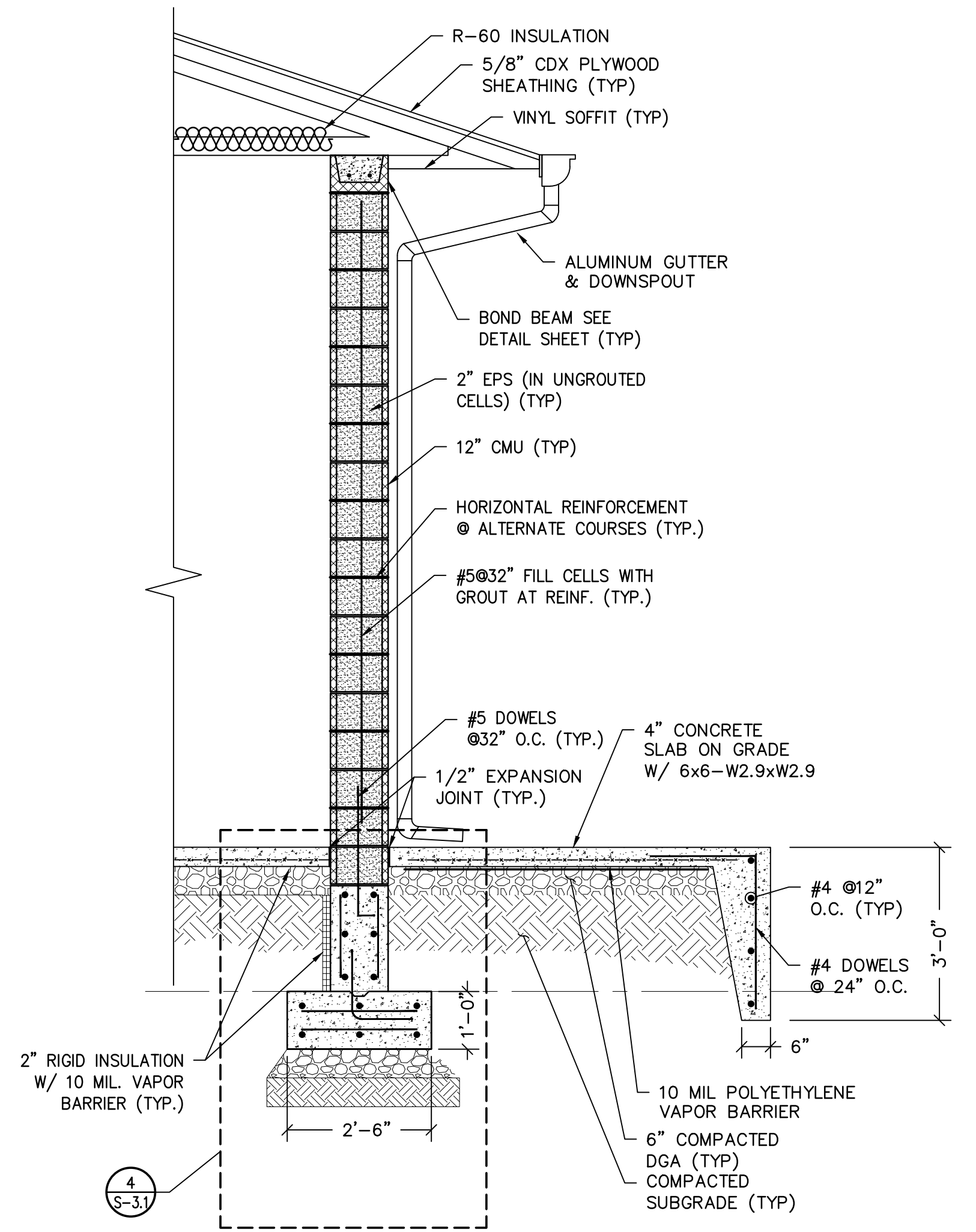
**THICKENED SLAB DETAIL 5**  
SCALE: 3/4"=1"  
S-3.1



**BP-1**



**SECTION B**  
SCALE: 1/4"=1"  
S-3.1



**SECTION C**  
SCALE: 1/4"=1"  
S-3.1



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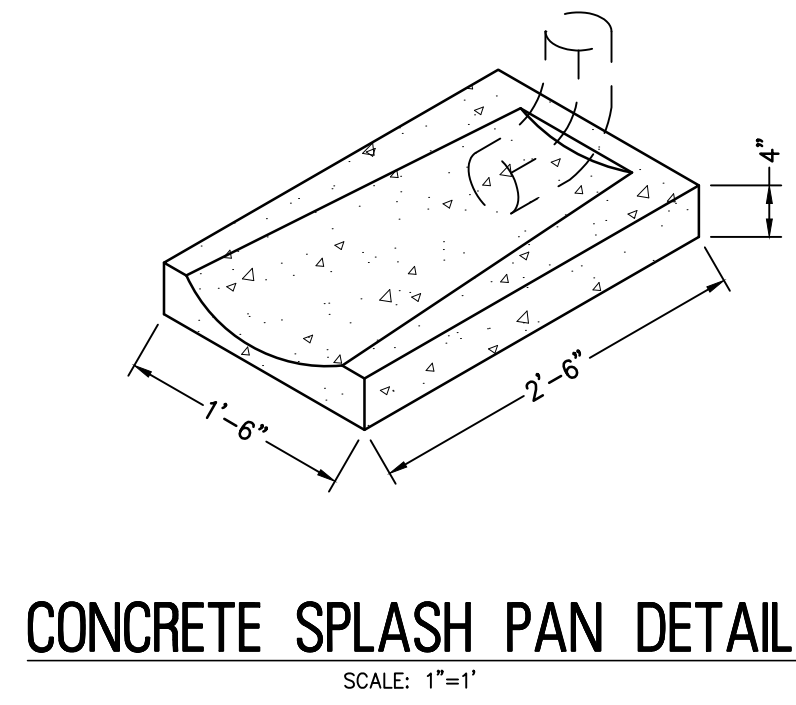
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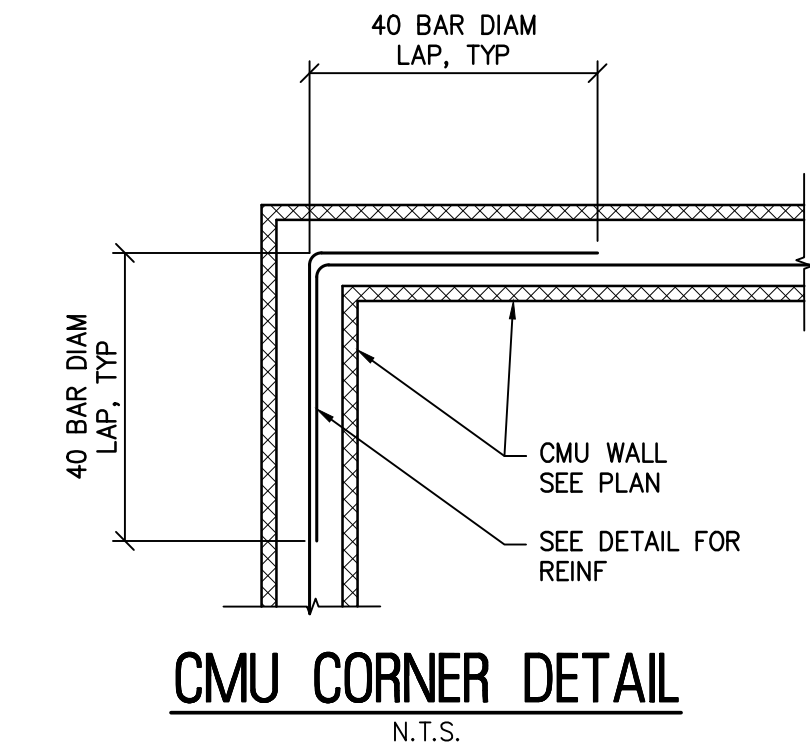
NO.	REVISION	DATE	BY

**SECTIONS AND DETAILS**  
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GLoucester COUNTY  
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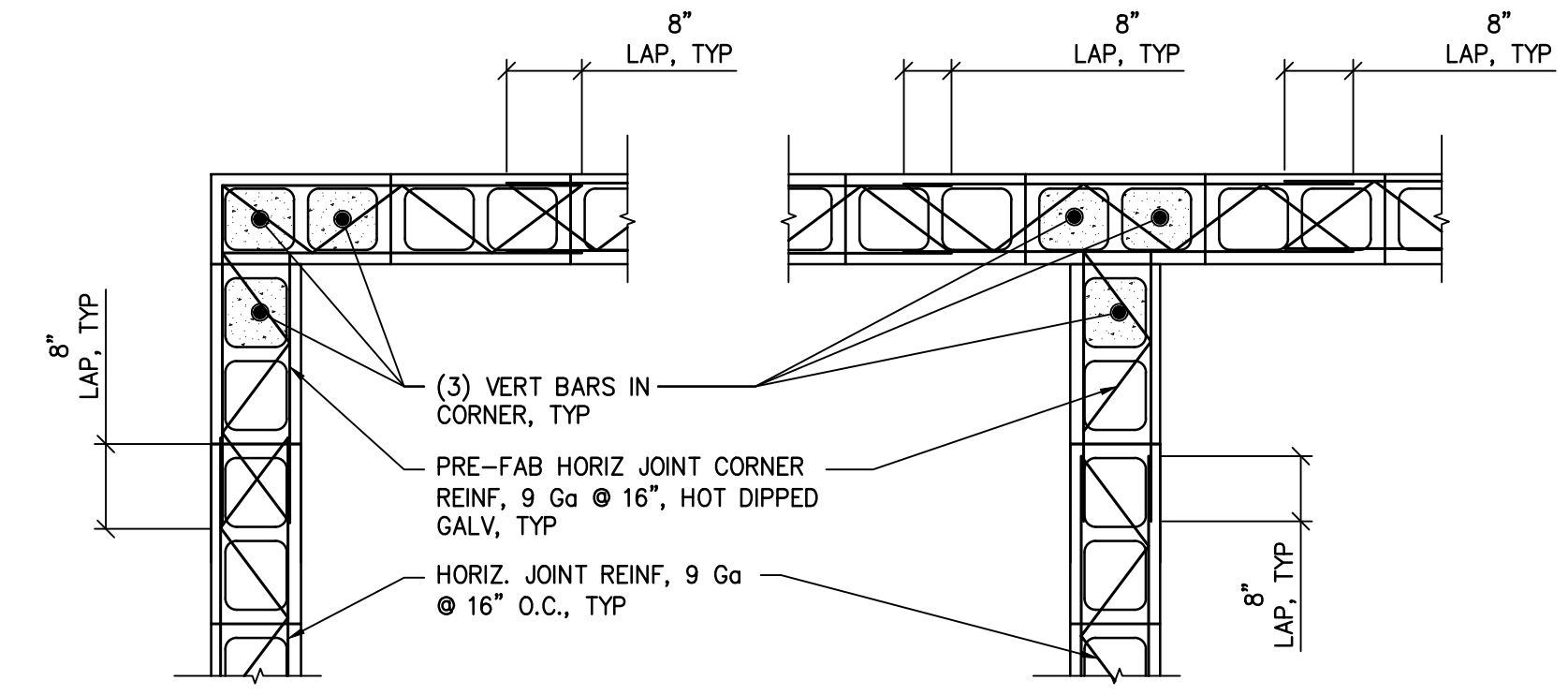
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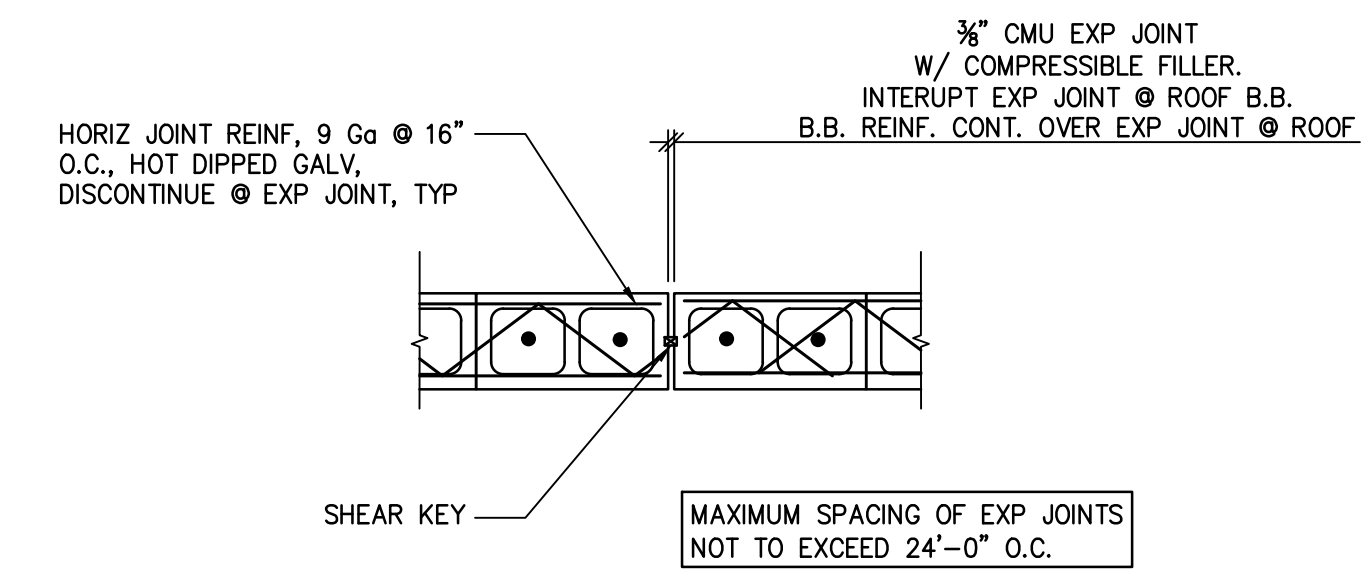
**CONCRETE SPLASH PAN DETAIL**  
SCALE: 1"=1'



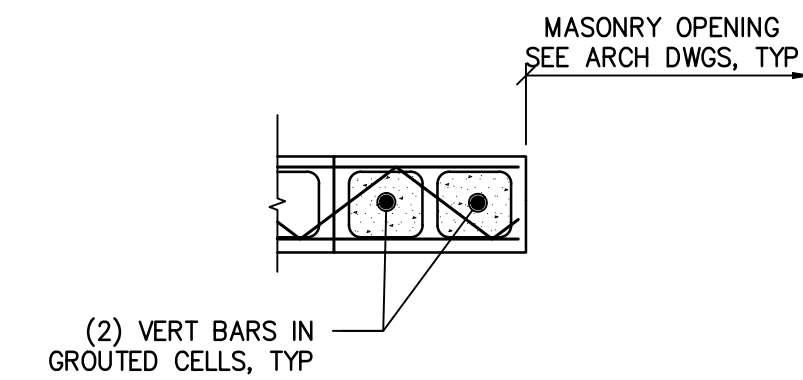
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N.T.S.



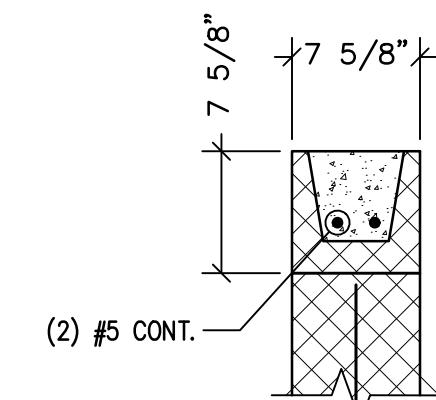
**TYPICAL CMU CONTRACTION JOINT DETAIL**  
N.T.S.



**TYPICAL CMU CONTRACTION JOINT DETAIL**  
N.T.S.

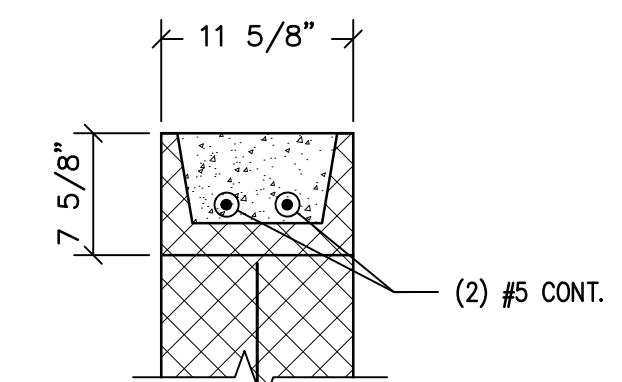


**TYPICAL CMU REINF. @ MASONRY OPENING DETAIL**  
N.T.S.



- NOTE:  
1. PROVIDE BOND BEAM AT TOP COURSE OF ALL WALLS.  
2. LAP REINFORCING BARS MIN. 2'-6" AT ALL CORNERS, SEE DETAIL.

**8" BOND BEAM DETAIL** 1  
S-3.2  
N.T.S.



**12" BOND BEAM DETAIL** 2  
S-3.2  
N.T.S.



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*Kenneth C. Ressler*  
DATE: 11-13-2024  
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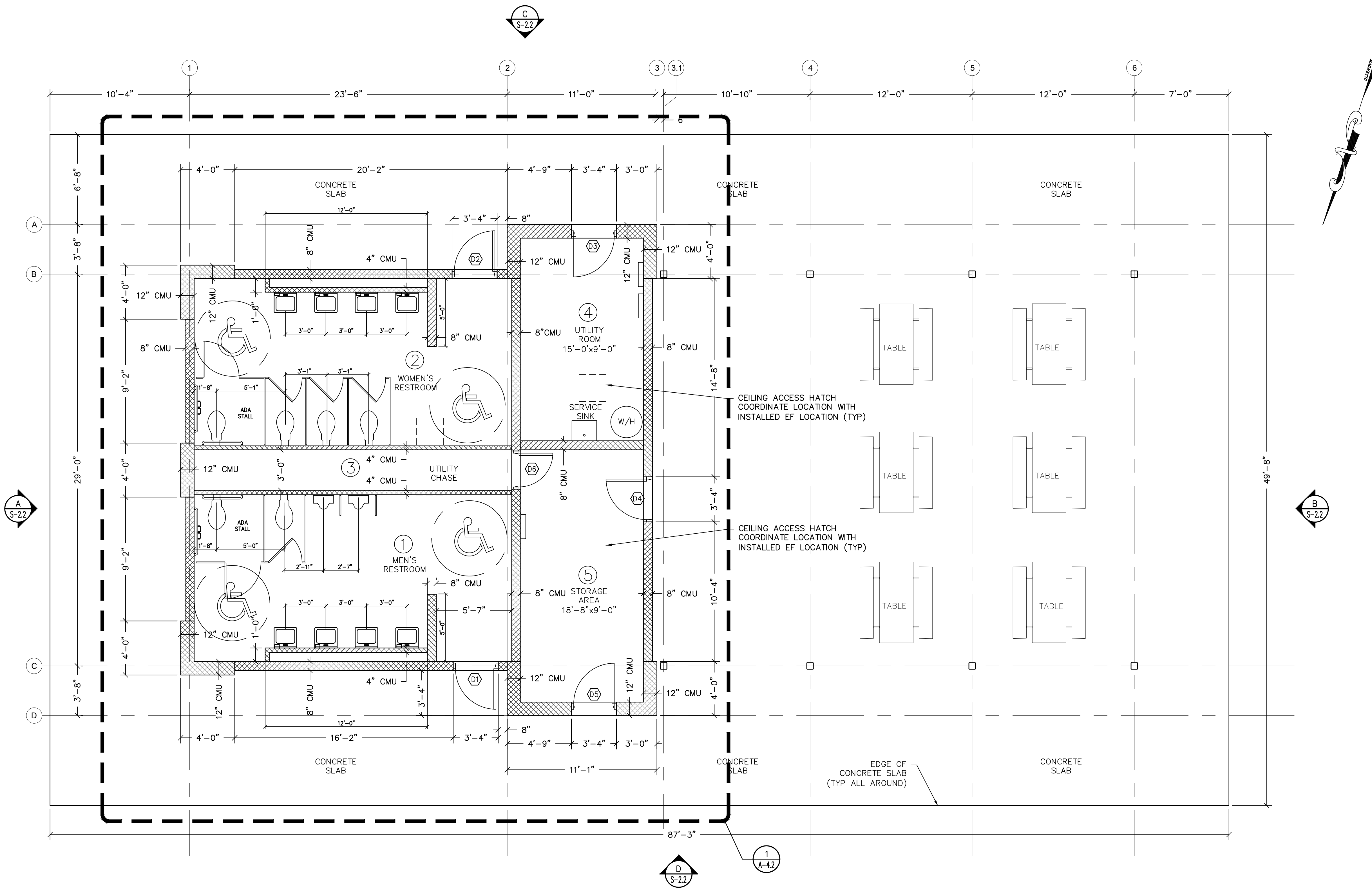
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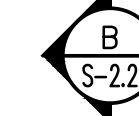
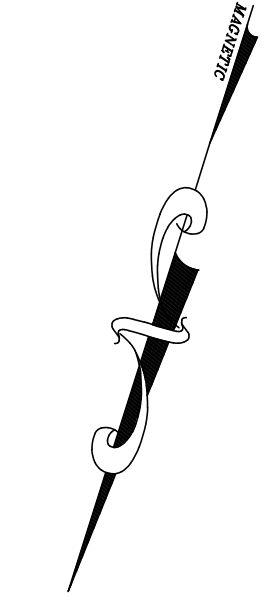
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**FLOOR PLAN**  
 WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 GLOUCESTER COUNTY  
 NEW JERSEY

DRAWN BY: MLM  
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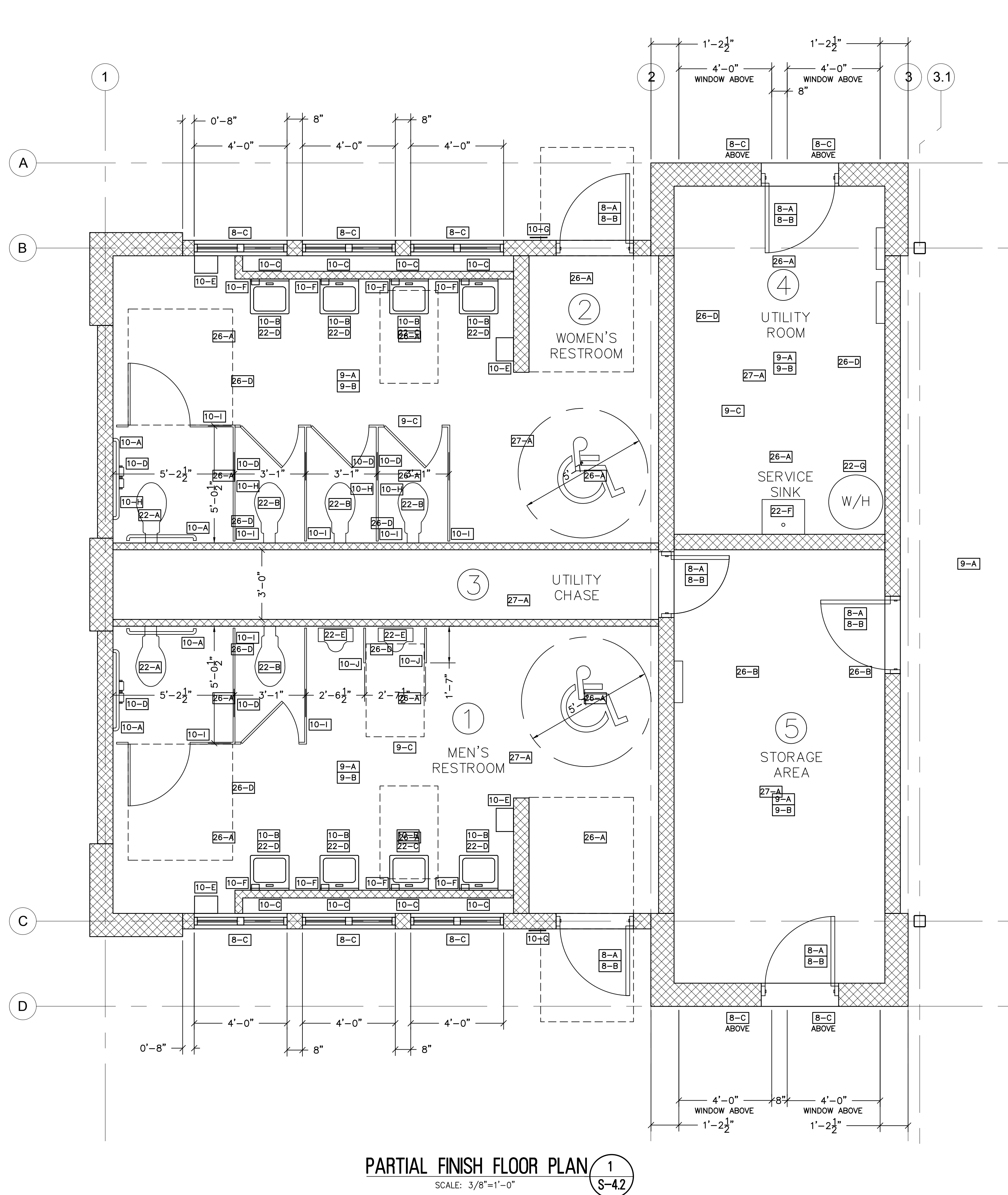


**FLOOR PLAN**  
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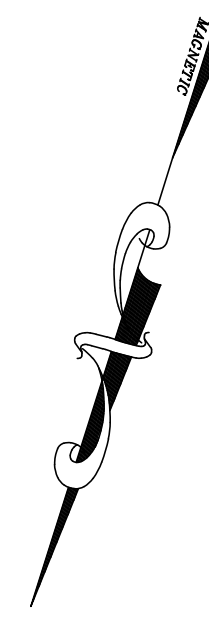


1  
A-4.2





**PARTIAL FINISH FLOOR PLAN** 1  
SCALE: 3/8"=1'-0"  
S-4.2



**MATERIAL KEYNOTES**

- 8 DOORS AND WINDOWS
  - 8-A NEW HOLLOW METAL DOOR FRAME, FACTORY PRIMED, ANCHOR BOLT DIMPLES FILLED PRIOR TO FINAL PAINTING, FINISH COLOR TO BE CHOSEN BY OWNER.
  - 8-B NEW HOLLOW METAL DOOR AND HARDWARE, FACTORY PRIMED AND PAINTED, OWNER TO CHOSE FINISH COLOR.
  - 8-C NEW 4.5" THERMALLY BROKEN ALUMINUM FRAMED WINDOW WITH 1" LOW E TEMPERED GLAZING, CLEAR ANODIZED FINISH
- 9 FINISHES
  - 9-A NEW SEALED CONCRETE FLOOR, NON-SLIP BROOM FINISH
  - 9-B PRIME AND PAINT, ALL NEW EXPOSED SURFACES, INTERIOR AND EXTERIOR INCLUSIVE OF WALLS, WINDOW RETURNS, HOLLOW METAL FRAMES, ETC.
  - 9-C NEW 2'-0"x2'-0" ACOUSTICAL TILE CEILING GRID SYSTEM. CEILING TILES TO BE MOISTURE RESISTANT.
- 10 SPECIALTIES
  - 10-A NEW 1 1/2" METAL GRAB BARS. BASIS OF DESIGN B-6806 SERIES AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-B NEW UNDER COUNTER PIPE INSULATION. BASIS OF DESIGN 2368SK72 AS MANUFACTURED BY MCMMASTER-CARR, <https://www.mcmaster.com/>
  - 10-C NEW 18"x36" WALL MOUNTED MIRROR. BASIS OF DESIGN B-165 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-D NEW TOILET PAPER DISPENSER. BASIS OF DESIGN B-9890 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-E NEW MANUAL PAPER TOWEL DISPENSER. BASIS OF DESIGN B-72860 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-F NEW SOAP DISPENSERS. BASIS OF DESIGN B-4112 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-G NEW 9x9 ACRYLIC ADA COMPATIBLE ROOM SIGNAGE WITH TACTILE SYMBOLS AS MANUFACTURED BY COMPLIANCE SIGNS, <https://www.compliance-signs.com>
  - 10-H NEW SURFACE MOUNTED SANITARY WAPKIN DISPOSAL. BASIS OF DESIGN B-270 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-I NEW TOILET PARTITIONS, INCLUSIVE OF DOORS, HEADRAILS, AND ACCESSORIES. BASIS OF DESIGN, HINNY HIDERS AS MANUFACTURED BY SCRANTON PRODUCTS, <https://www.scrantonproducts.com/>
  - 10-J NEW URINAL PARTITION INCLUSIVE OF ALL ACCESSORIES. BASIS OF DESIGN, HINNY HIDERS AS MANUFACTURED BY SCRANTON PRODUCTS, <https://www.scrantonproducts.com/>
- 22 PLUMBING
  - 22-A NEW BARRIER-FREE WATER-CLOSET. SEE PLUMBING DRAWINGS.
  - 22-B NEW WATER-CLOSET. SEE PLUMBING DRAWINGS.
  - 22-C NEW BARRIER-FREE LAVATORY, FAUCET & PIPING, COMPLETE. SEE PLUMBING DRAWINGS, INCLUSIVE OF HEAVY DUTY CARRIER AND WOOD BLOCKING AT THE ANCHORAGE POINTS AND MOUNTING BRACKETS.
  - 22-D NEW LAVATORY, FAUCET & PIPING, COMPLETE. SEE PLUMBING DRAWINGS, INCLUSIVE OF HEAVY DUTY CARRIER AND WOOD BLOCKING AT THE ANCHORAGE POINTS AND MOUNTING BRACKETS.
  - 22-E NEW BARRIER-FREE URINAL. SEE PLUMBING DRAWINGS, INCLUSIVE OF CARRIER AND WOOD BLOCKING AT THE ANCHORAGE POINTS AND MOUNTING BRACKETS.
  - 22-F NEW MOP SINK. SEE PLUMBING DRAWINGS.
  - 22-G NEW HOT WATER HEATER. SEE PLUMBING DRAWINGS.
- 26 ELECTRICAL
  - 26-A NEW 2x2 LAY-IN LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
  - 26-B NEW 1x8 PENDANT LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
  - 26-C NEW 1x4 PENDANT LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
  - 26-D NEW HVAC REGISTER SEE MECHANICAL DRAWINGS.
- 28 SECURITY & FIRE ALARM
  - 27-A NEW HEAT/SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS

**GENERAL NOTES**

1. THE GENERAL CONTRACTOR (GC) SHALL BE RESPONSIBLE AND OBLIGATED TO SUCCESSFULLY COMPLETE ALL OF THE WORK SHOWN ON THE ARCHITECTURAL PLANS AND TO COMPLETE EACH AND EVERY NECESSARY DETAIL OF EVERY ITEM SPECIFIED AND / OR IS REQUIRED TO COMPLETE THE SPECIFIED WORK REGARDLESS OF WHETHER OR NOT A DETAIL IS SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS.
2. THE GC SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING ANY MATERIALS. ANY DISCREPANCIES DUE TO FAILURE OF DIMENSION CONFIRMATION SHALL BE RECTIFIED AT NO ADDITIONAL COST TO THE OWNER.
3. NOT ALL ITEMS ARE SHOWN WITHIN THE ARCHITECTURAL DRAWINGS. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FULL SCOPE OF WORK.

**RVE**  
1901  
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**FINISH FLOOR PLAN**

WOOLWICH TOWNSHIP  
LOCKE AVE PARK  
CONCESSION STAND  
GLOUCESTER COUNTY

WOOLWICH TOWNSHIP  
GLOUCESTER COUNTY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
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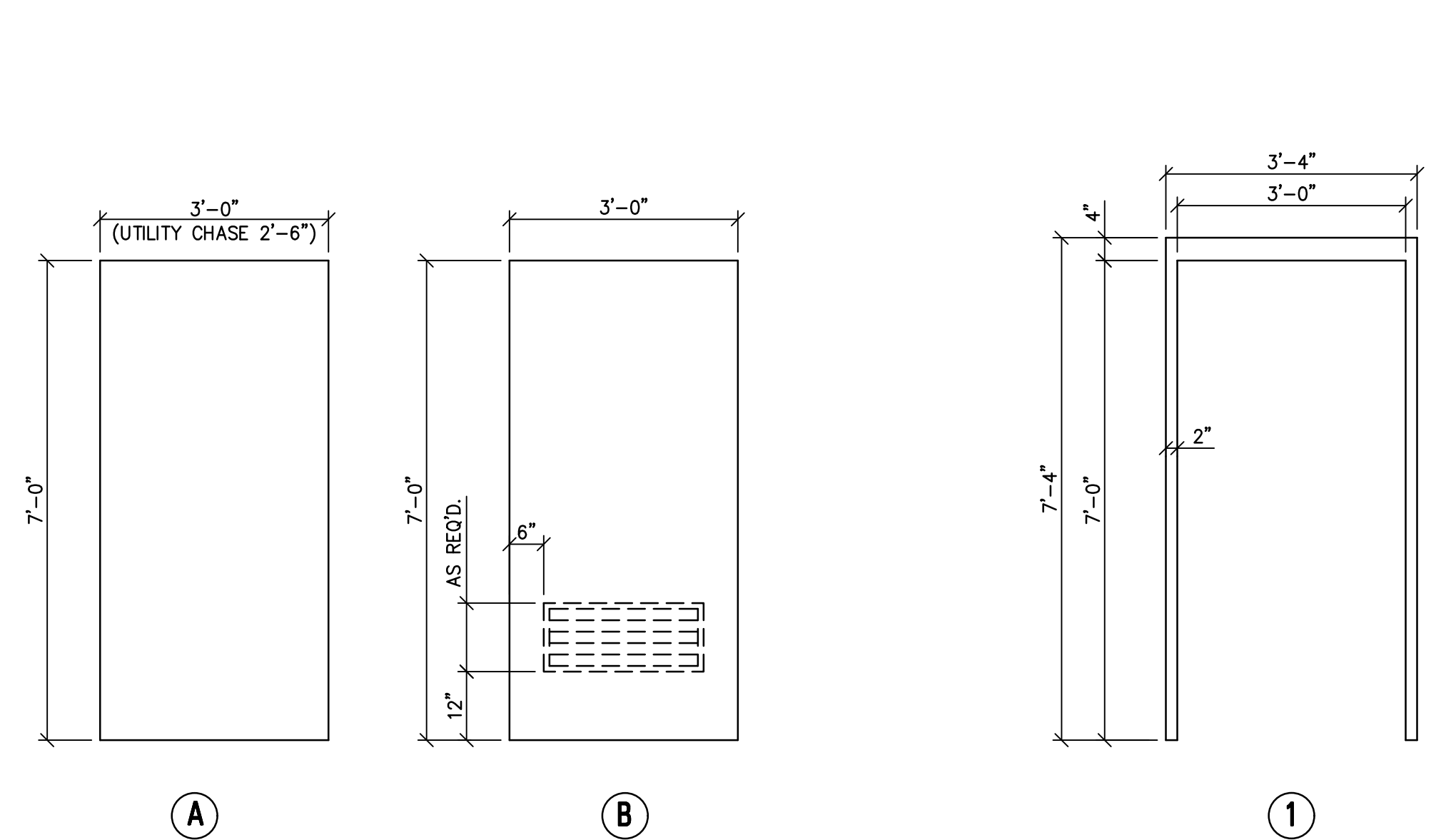
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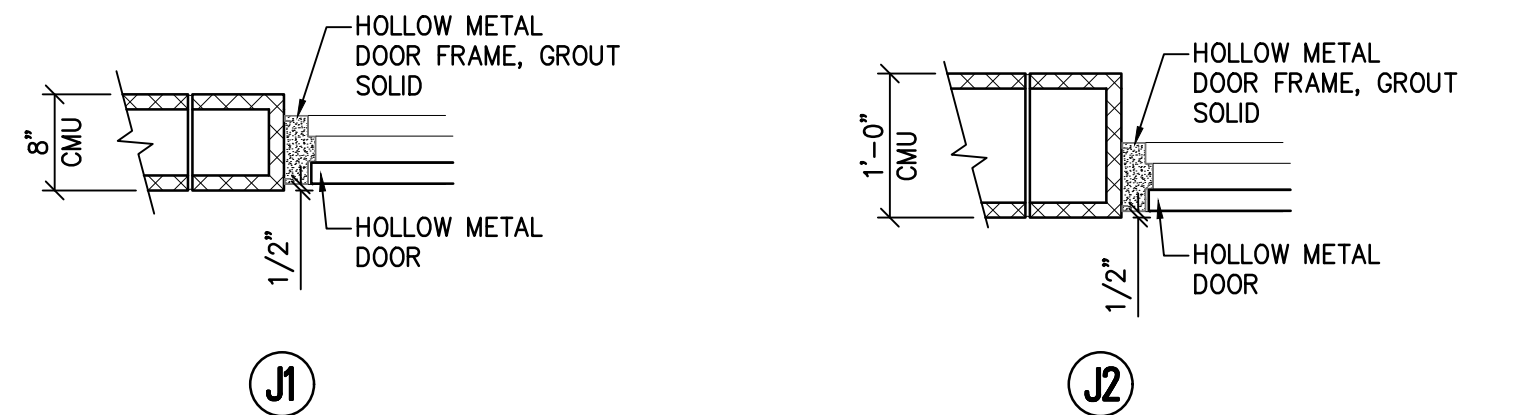
NO.	REVISION	DATE	BY

**DOOR WINDOW AND FIXTURE DETAILS**  
 WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 GLOUCESTER COUNTY  
 WOOLWICH TOWNSHIP  
 NEW JERSEY

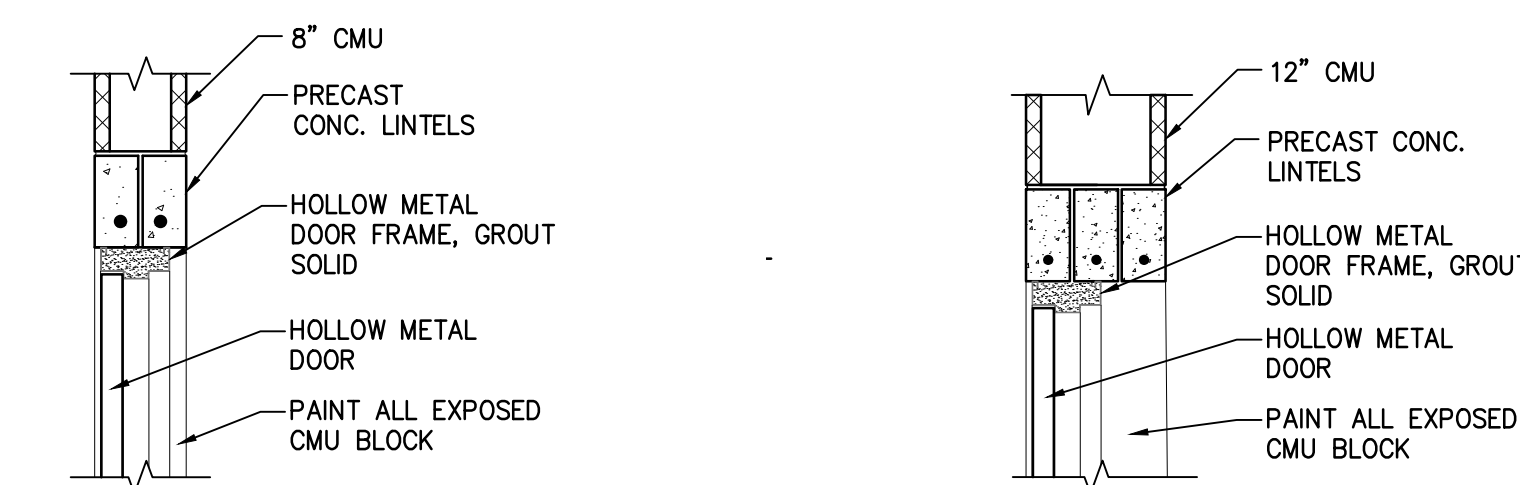
DATE	SCALE
11 / 2024	AS NOTED
JOB No.:	S-4.4
0824 T 062	



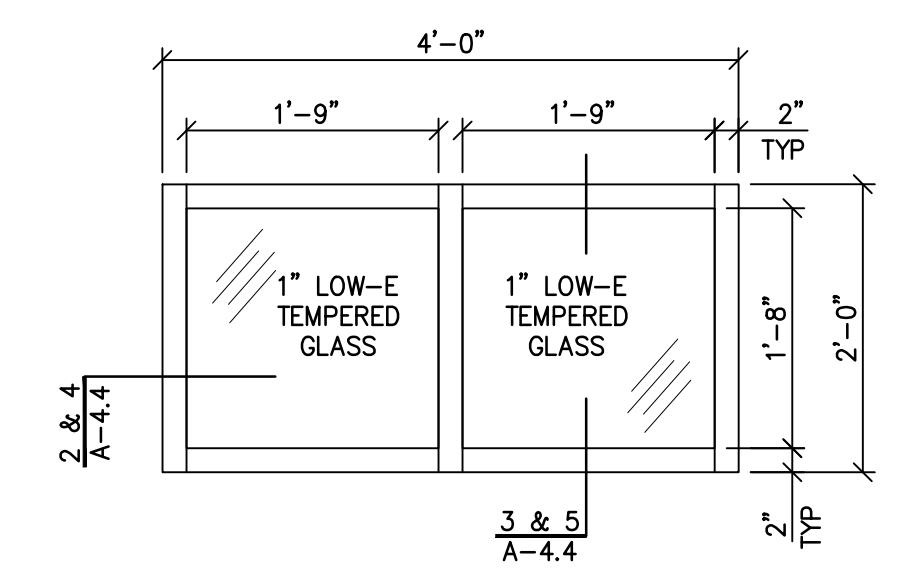
**FRAME ELEVATION**



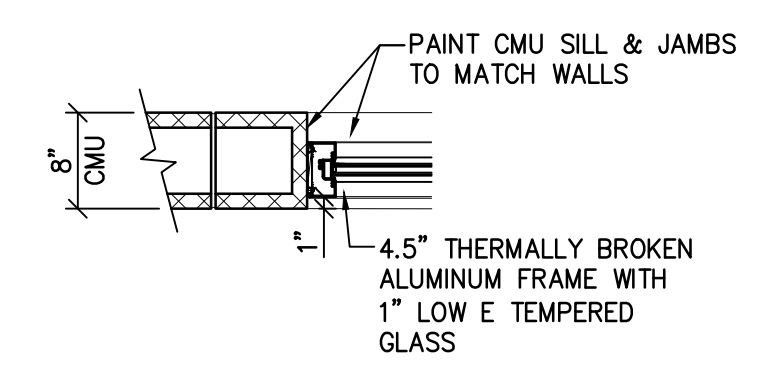
**TYPICAL DOOR JAMB DETAILS 6**  
 SCALE: 3/4"=1'-0"  
 S-4.4



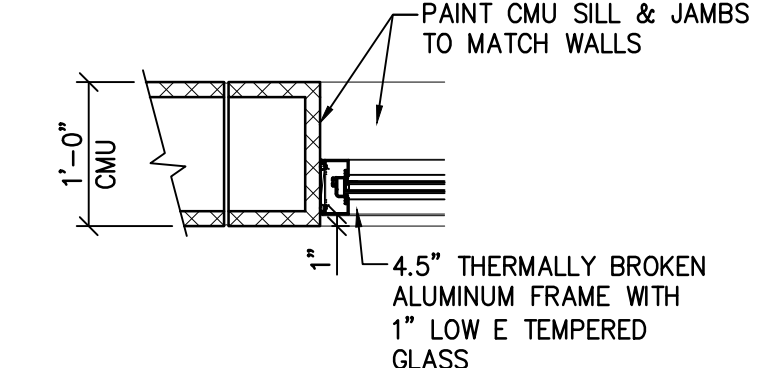
**TYPICAL DOOR HEAD DETAILS 7**  
 SCALE: 3/4"=1'-0"  
 S-4.4



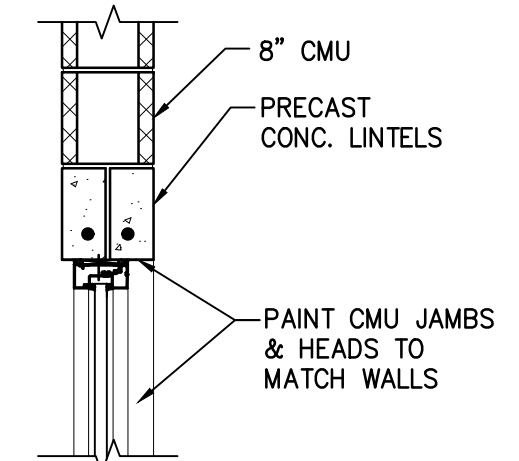
**TYPICAL WINDOW ELEVATION 1**  
 SCALE: 3/4"=1'-0"  
 S-4.4



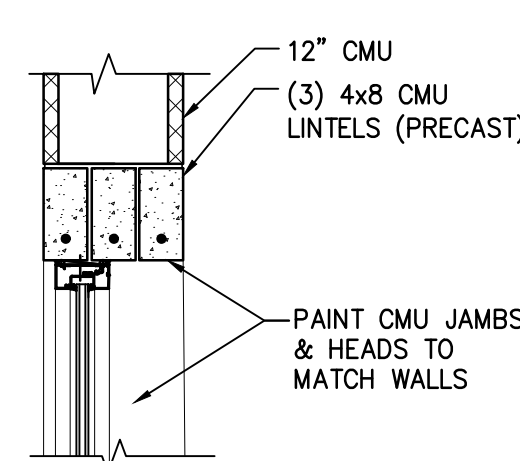
**8" WALL WINDOW JAMB DETAIL 4**  
 SCALE: 3/4"=1'-0"  
 S-4.4



**12" WALL WINDOW JAMB DETAIL 2**  
 SCALE: 3/4"=1'-0"  
 S-4.4

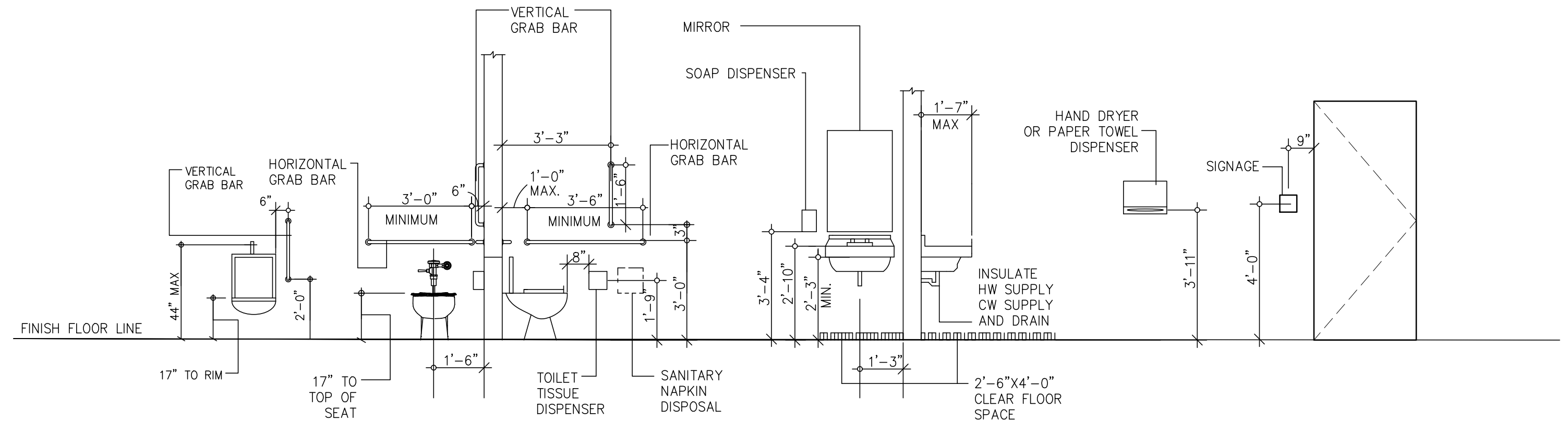


**8" WALL WINDOW SECTION DETAIL 5**  
 SCALE: 3/4"=1'-0"  
 S-4.4



**12" WALL WINDOW SECTION DETAIL 3**  
 SCALE: 3/4"=1'-0"  
 S-4.4

DOOR AND FRAME SCHEDULE										
DOOR NO.	ROOM #	ROOM NAME	DOOR SIZE WIDTHxHEIGHTxTHICKNESS	DOOR MATERIAL	DOOR ELEVATION	FRAME MATERIAL	FRAME ELEVATION	HEAD DETAIL	JAMB DETAIL	HARDWARE SET
D1	1	MEN'S ROOM	3'-0"x7'-0"x1 3/4"	HM	B	HM	1	J1	H1	O1
D2	2	WOMEN'S ROOM	3'-0"x7'-0"x1 3/4"	HM	B	HM	1	J1	H1	O1
D3	4	UTILITY ROOM	3'-0"x7'-0"x1 3/4"	HM	A	HM	1	J2	H2	O1
D4	5	STORAGE AREA	3'-0"x7'-0"x1 3/4"	HM	A	HM	1	J2	H2	O1
D5	5	STORAGE AREA	3'-0"x7'-0"x1 3/4"	HM	A	HM	1	J2	H2	O1
D6	3	UTILITY CHASE	2'-6"x7'-0"x1 3/4"	HM	A	HM	1	J1	H1	O2



**ADA HEIGHT REQUIREMENTS 8**  
 SCALE: N.T.S.  
 S-4.4



**REMINGTON & VERNICK ENGINEERS**  
 2059 SPRINGDALE ROAD  
 CHERRY HILL, NJ 08003  
 (856) 795-9595, FAX (856) 795-1882  
 WEB ADDRESS: RVE.COM  
 Certification of Authorization: 24 GA 28003300  
**Excellence • Innovation • Service**

*Kenneth C. Ressler*  
 DATE: 11-13-2024  
**KENNETH C. RESSLER**  
 NJ PROFESSIONAL ENGINEER LIC. No. 34559

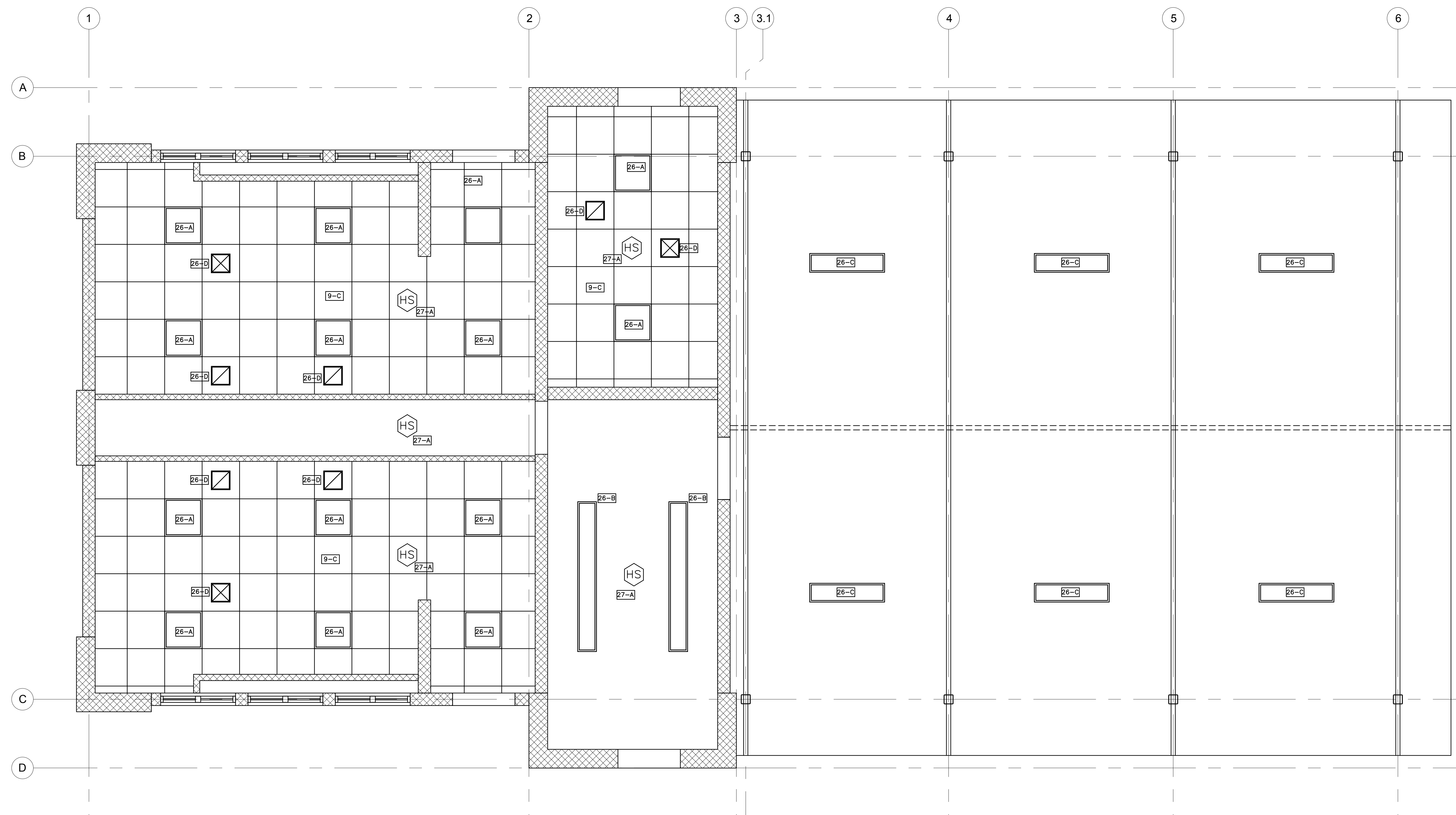
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NO.	REVISION	DATE	BY	CHK

**REFLECTED CEILING PLAN**

WOOLWICH TOWNSHIP  
 LOCKE AVE PARK  
 CONCESSION STAND  
 GLOUCESTER COUNTY  
 NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
MLM	MJB	JDT	AS NOTED
DATE:	SHEET No.:		
11 / 2024	S-4.3		
JOB No.:	DATE PLOTTED:		
0824 T 062	11/20/24 10:42:17 AM		



**PARTIAL REFLECTED CEILING PLAN**  
 SCALE: 3/8"=1'

**GENERAL NOTES**

- THE GENERAL CONTRACTOR (GC) SHALL BE RESPONSIBLE AND OBLIGATED TO SUCCESSFULLY COMPLETE ALL OF THE WORK SHOWN ON THE ARCHITECTURAL PLANS AND TO COMPLETE EACH AND EVERY NECESSARY DETAIL OF EVERY ITEM SPECIFIED AND / OR IS REQUIRED TO COMPLETE THE SPECIFIED WORK REGARDLESS OF WHETHER OR NOT A DETAIL IS SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS.
- THE GC SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING ANY MATERIALS. ANY DISCREPANCIES DUE TO FAILURE OF DIMENSION CONFIRMATION SHALL BE RECTIFIED AT NO ADDITIONAL COST TO THE OWNER.
- NOT ALL ITEMS ARE SHOWN WITHIN THE ARCHITECTURAL DRAWINGS. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FULL SCOPE OF WORK.

**MATERIAL KEYNOTES**

- 8 DOORS AND WINDOWS**
- 8-A NEW HOLLOW METAL DOOR FRAME, FACTORY PRIMED. ANCHOR BOLT DIMPLES FILLED PRIOR TO FINAL PAINTING. FINISH COLOR TO BE CHOSEN BY OWNER.
  - 8-B NEW HOLLOW METAL DOOR AND HARDWARE, FACTORY PRIMED AND PAINTED. OWNER TO CHOSE FINISH COLOR.
  - 8-C NEW 4.5" THERMALLY BROKEN ALUMINUM FRAMED WINDOW WITH 1" LOW E TEMPERED GLAZING. CLEAR ANODIZED FINISH.
- 9 FINISHES**
- 9-A NEW SEALED CONCRETE FLOOR, NON-SLIP BROOM FINISH.
  - 9-B PRIME AND PAINT, ALL NEW EXPOSED SURFACES, INCLUSIVE OF WALLS, WINDOW RETURNS, HOLLOW METAL FRAMES, ETC.
  - 9-C NEW 2'-0"x2'-0" ACOUSTICAL TILE CEILING GRID SYSTEM. CEILING TILES TO BE MOISTURE RESISTANT.
- 10 SPECIALTIES**
- 10-A NEW 1 1/2" METAL GRAB BARS. BASIS OF DESIGN B-6806 SERIES AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-B NEW UNDER COUNTER PIPE INSULATION. BASIS OF DESIGN 23685K72 AS MANUFACTURED BY McMASTER-CARR, <https://www.mcmaster.com/>
  - 10-C NEW 18"x36" WALL MOUNTED MIRROR. BASIS OF DESIGN B-165 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>

- 10 SPECIALTIES (CONT.)**
- 10-D NEW TOILET PAPER DISPENSER. BASIS OF DESIGN B-9890 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-E NEW MANUAL PAPER TOWEL DISPENSER. BASIS OF DESIGN B-72860 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-F NEW SOAP DISPENSERS. BASIS OF DESIGN B-4112 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-G NEW 9x9 ACRYLIC ADA COMPATIBLE ROOM SIGNAGE WITH TACTILE SYMBOLS AS MANUFACTURED BY COMPLIANCE SIGNS, <https://www.compliance-signs.com>
  - 10-H NEW SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. BASIS OF DESIGN B-270 AS MANUFACTURED BY BOBRICK, <https://www.bobrick.com>
  - 10-I NEW TOILET PARTITIONS, INCLUSIVE OF DOORS, HEADRAILS, AND ACCESSORIES. BASIS OF DESIGN, HINY HIDERS AS MANUFACTURED BY SCRANTON PRODUCTS, <https://www.scrantonproducts.com/>
  - 10-J NEW URINAL PARTITION INCLUSIVE OF ALL ACCESSORIES, BASIS OF DESIGN, HINY HIDERS AS MANUFACTURED BY SCRANTON PRODUCTS, <https://www.scrantonproducts.com/>
- 22 PLUMBING**
- 22-A NEW BARRIER-FREE WATER-CLOSET. SEE PLUMBING DRAWINGS.
  - 22-B NEW WATER-CLOSET. SEE PLUMBING DRAWINGS.
  - 22-C NEW BARRIER-FREE LAVATORY, FAUCET & PIPING, COMPLETE. SEE PLUMBING DRAWINGS. INCLUSIVE OF CARRIER AND WOOD BLOCKING AT THE ANCHORAGE POINTS AND MOUNTING BRACKETS.

- 22 PLUMBING (CONT.)**
- 22-D NEW LAVATORY, FAUCET & PIPING, COMPLETE. SEE PLUMBING DRAWINGS. INCLUSIVE OF CARRIER AND WOOD BLOCKING AT THE ANCHORAGE POINTS AND MOUNTING BRACKETS.
  - 22-E NEW BARRIER-FREE URINAL. SEE PLUMBING DRAWINGS. INCLUSIVE OF CARRIER AND WOOD BLOCKING AT THE ANCHORAGE POINTS AND MOUNTING BRACKETS.
  - 22-F NEW MOP SINK. SEE PLUMBING DRAWINGS.
  - 22-G NEW HOT WATER HEATER. SEE PLUMBING DRAWINGS.
- 26 ELECTRICAL**
- 26-A NEW 2x2 LAY-IN LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
  - 26-B NEW 1x8 PENDANT LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
  - 26-C NEW 1x4 PENDANT LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
  - 26-D NEW HVAC REGISTER SEE MECHANICAL DRAWINGS.
- 27 SECURITY & FIRE ALARM**
- 27-A NEW HEAT/SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS