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ISSUE/REVISION RECORD

DATE	DESCRIPTION
01/25/21	PERMIT SET

PROFESSIONAL SEAL



PROFESSIONAL IN CHARGE
FLOYD KEELS, PE
PROJECT MANAGER
RW
QUALITY CONTROL
RW
DRAWN BY
AB

PROJECT NAME
SHEETZ AUTOMATIC CARWASH
CAMERON NC

SAWYER RD. & NC 24-87
CAMERON, NC 28326



1801 Rockdale Industrial Blvd.
Conyers, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 483-6037
FMS JOB NUMBER
G20V36
FMS MODEL NUMBER
XXXXXX

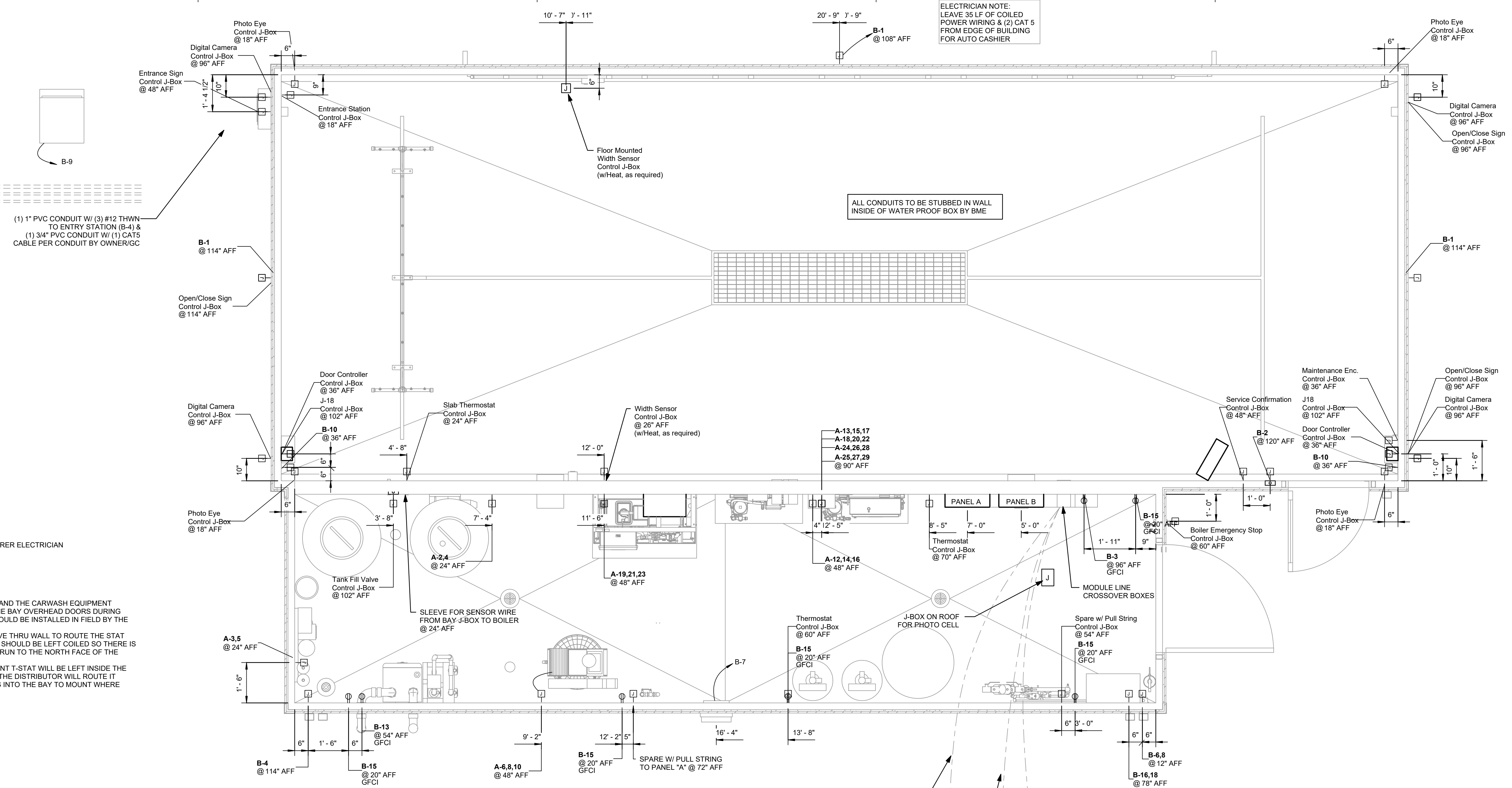
PROJECT NUMBER
20210019

SHEET TITLE

ELECTRICAL PLAN

SHEET NUMBER

E1



ELECTRICIAN NOTE:
LEAVE 35 LF OF COILED POWER WIRING & (2) CAT 5 FROM EDGE OF BUILDING FOR AUTO CASHIER

ALL CONDUITS TO BE STUBBED IN WALL INSIDE OF WATER PROOF BOX BY BME

(1) 1" PVC CONDUIT W/ (3) #12 THWN TO ENTRY STATION (B-4) & (1) 3/4" PVC CONDUIT W/ (1) CAT5 CABLE PER CONDUIT BY OWNER/GC

BME = BLDG. MANUFACTURER ELECTRICIAN

- NOTES:**
1. BOILER OUTDOOR STAT AND THE CARWASH EQUIPMENT T-STAT THAT CLOSSES THE BAY OVERHEAD DOORS DURING FREEZING WEATHER SHOULD BE INSTALLED IN FIELD BY THE DISTRIBUTOR.
 2. BME WILL INSTALL SLEEVE THRU WALL TO ROUTE THE STAT THRU. THE EXTRA WIRE SHOULD BE LEFT COILED SO THERE IS SUFFICIENT LENGTH TO RUN TO THE NORTH FACE OF THE BUILDING.
 3. THE CARWASH EQUIPMENT T-STAT WILL BE LEFT INSIDE THE EQUIPMENT ROOM AND THE DISTRIBUTOR WILL ROUTE IT THRU THE CROSSOVERS INTO THE BAY TO MOUNT WHERE THEY DESIRE.

Electrical General Notes

1. Site Electrician is responsible for mounting CT & Meter (When Applicable), and making final electrical connection of service to building Panel A.
2. Site Electrician is responsible to make primary grounding to building water piping per NEC. See riser diagram.
3. EMT conduit shall be installed in building, as a complete system and be securely fastened in place to studs, or blocking at least every 10'-0" and within 3'-0" of each outlet box, or j-box, or fitting.
4. A secondary grounding supplied in building by grounding between interior water pipe and building steel frame. See riser diagram.
5. Site Electrician is responsible for field work.
6. All wiring to be copper type THHN or THWN installed in EMT conduit per NEC.
7. All wiring, fixtures, and equipment are UL listed or labeled or equal.
8. Site Electrician to use in-line fusing at base of each pole.
9. Site electrician shall obtain all required installation permits from local authorities, and make arrangements for any required inspections.
10. Site electrician shall locate and make all electrical connections that cross module lines, and if applicable make connections to roof mounted equipment and fascia signs.
11. After power is installed to building, site electrician shall connect batteries in emergency lighting and exit signs.
12. Site electrician shall furnish and install disconnecting means for all outside lighting and signs within sight of such lighting and sign controls.
13. Site electrician shall install required seals in jobsite installed conduits as required by N.E.C. article 514.
14. After installing all conduits through floor chases in modular building, general contractor shall fill floor chases with concrete and finish floor at chase areas.
15. The service entrance diagram shows minimum requirements as required by the "National Electrical Code". Size for service entrance conductors and conduits may vary, depending on length of conductors. Site electrician shall calculate voltage drop and make adjustments as required. Site electrician shall refer to owner furnished site specific plans for all required on site electrical.
16. Fault current: Building is designed at 10,000 AMPS RMS. When available fault current at site exceeds 10,000 AMPS RMS, the site electrician must install a main fused disconnect which limits the fault current to 10,000 AMPS RMS.

1 Electrical Plan
1/2" = 1'-0"

Wash Equipment Conduit Schedule						
Load Name	Conduit	Conduit Size	Wire Pulls	Wire Gauge	From	To
Reclaim Pump						
RO Reject Solenoid						
Boost Pump						
Entrance Door Driver Side Sensor	1	1/2"	1	Supplied	Bay Box	Driver Side Sensor Thru J-Box
Entrance Door Passenger Side Sensor	2	1/2"	1	Supplied	Bay Box	Passenger Side Sensor Thru J-Box
Entrance J18	4	1"	7	16 AWG	Bay Box	J18 (Entrance Door Eye Control)
Entrance Sign	6	3/4"	5	16 AWG	Bay Box	Entrance Sign Thru J-Box
Maintenance Box	7	1/2"	3	16 AWG	Bay Box	J-Box for Maintenance Box
Driver Side Width Measure Sensor	8	3/4"	3	(1) Supplied Cable & (2) 16 AWG	Bay Box	J-Box for Sensor

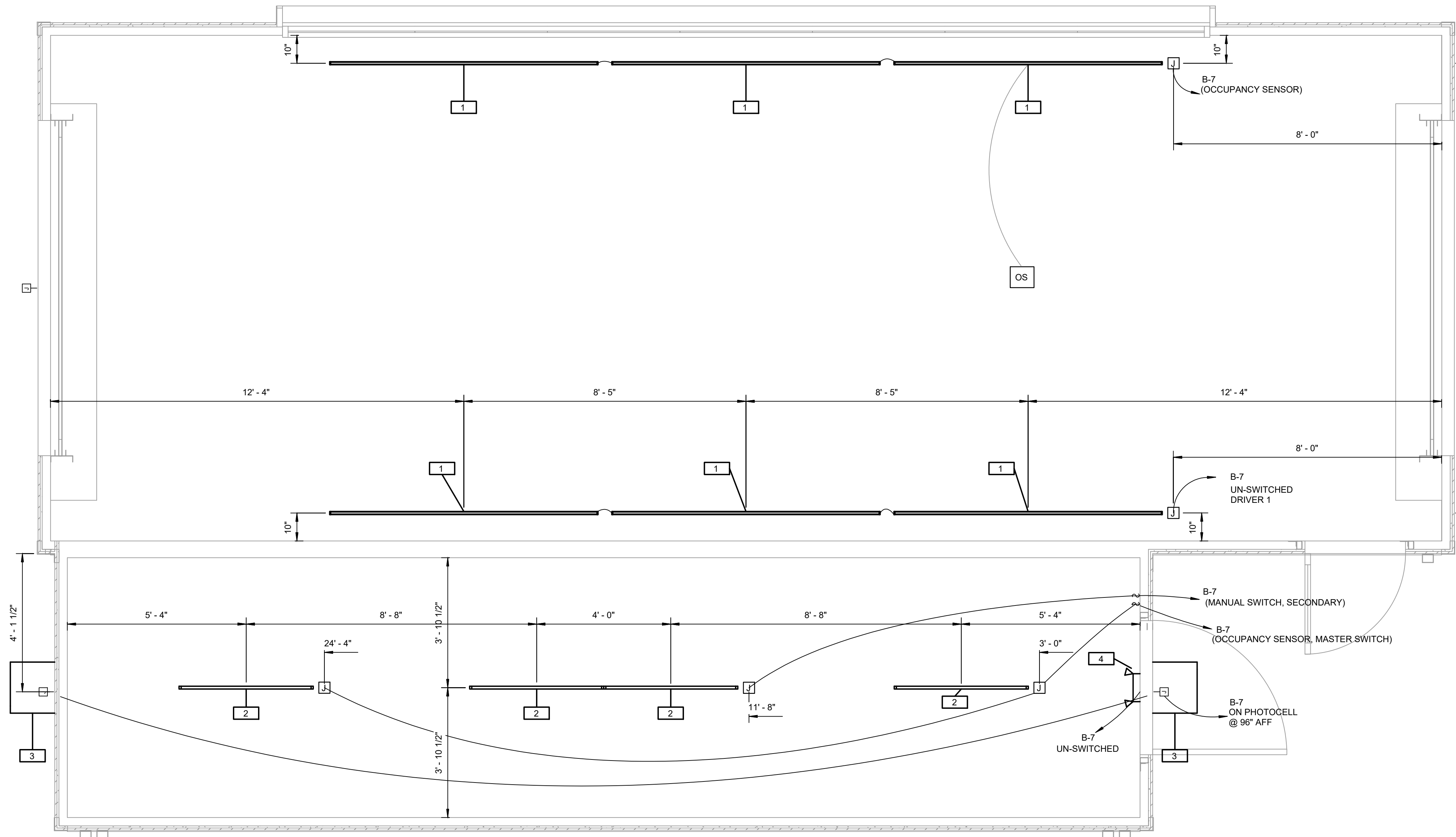
Wash Equipment Conduit Schedule						
Load Name	Conduit	Conduit Size	Wire Pulls	Wire Gauge	From	To
Passenger Side Width Measure Sensor	9	3/4"	3	(1) Supplied Cable & (2) 16 AWG	Bay Box	J-Box for Sensor
RO Control	11	1/2"	2	16 AWG	RO System	RO System
Confirmation Sign	12	3/4"	9	22 AWG	Instructional Sign	Service Confirmation Sign
Exit J18	14	1"	7	16 AWG	Bay Box	J18 (Exit Door Eye Control)
Exit Door Driver Side Sensor	15	1/2"	1	Supplied	J18 (Exit Door Eye Controls)	Driver Side Sensor Thru J-Box
Exit Door Passenger Side Sensor	16	1/2"	1	Supplied	J18 (Exit Door Eye Controls)	Passenger Side Sensor Thru J-Box
Entry Station	18	1"	13	16 AWG	Wash Activation	Entry Station
Open/Close Sign at Entrance	19	1"	4	18 AWG		
Open/Close Sign at Exit (Driver Side)	20	1"	4	18 AWG		
Open/Close Sign at Exit (Passenger Side)	21	1"	4	18 AWG		

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1 Reflected Lighting Plan
1/2" = 1'-0"

PROFESSIONAL SEAL



01/25/2021

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FLOYD KEELS, PE

PROJECT MANAGER

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QUALITY CONTROL

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SHEET TITLE

**LIGHTING
PLAN**

SHEET NUMBER

E2

Lighting Fixture Schedule						
Mark	Count	Description	Model	Wattage	Lamp	Comments
1	6	LED Tube Area Light 8'	LEDTUBE8'	80 W	LED	
2	4	LED Linear 4'	LEDLIN	40 W	LED	
3	2	The Edge LED Wall Pack	SEC-EDG-3M-WM-08-D-UL-BK-525	91 W	LED	Furnished and Installed by Sheetz
4	1	Combo Emergency/Exit Light, Thermoplastic Housing, Lead Calcium High Output Batt Rated Min. 1-1/2 Hrs. Red on white. High Charge Indicator. Provide remote heads as noted on plan, Or Equal.	LHQM-S-W-3-R	4 W	LED, RED	

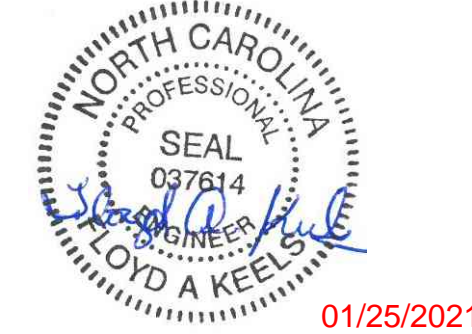
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ISSUE/REVISION RECORD
DATE DESCRIPTION
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Branch Panel: A																		
Location: Equipment Room 2				Volts: 120/208 Wye				A.I.C. Rating: 35,000K A.I.C. (Fully Rated)										
Supply From: Power Company				Phases: 3				Mains Type: MCB										
Mounting: Surface				Wires: 4				Mains Rating: 400 A										
Enclosure: Type 1								MCB Rating: 400 A										
CKT	Load Class	Circuit Description	Trip	Poles	Wire Size	Wire Type	A(kVA)	B(kVA)	C(kVA)	Wire Type	Wire Size	Poles	Trip	Circuit Description	Load Class	CKT		
A-1	--	Spare for Future Reclaim	20 A	1	--	--	0.0	0.7		Default	2-#12, 1-#12, 1-#12	2	20 A	RO Repress Pump	Equipment	A-2		
A-3	Equipment	RO System	20 A	2	2-#12, 1-#12, 1-#12	Default		0.7	0.7		--	--	--	--	Equipment	A-4		
A-5	Equipment	--	--	--	--	--				0.7	1.2	Default	3-#10, 1-#10, 1-#10	3	30 A	Air Compressor*	Equipment	A-6
A-7	--	Spare for Future Reclaim	20 A	3	--	--	0.0	1.2		--	--	--	--	--	Equipment	A-8		
A-9	--	--	--	--	--	--		0.0	1.2		--	--	--	--	Equipment	A-10		
A-11	--	--	--	--	--	--			0.0	2.3	Default	3-#10, 1-#10, 1-#10	3	25 A	Solution Pump Station*	Equipment	A-12	
A-13	Equipment	Back Bridge	40 A	3	3-#8, 1-#8, 1-#10	Default	3.6	2.3		--	--	--	--	--	Equipment	A-14		
A-15	Equipment	--	--	--	--	--		3.6	2.3		--	--	--	--	Equipment	A-16		
A-17	Equipment	--	--	--	--	--			3.6	3.6	Default	3-#8, 1-#8, 1-#10	3	40 A	Front Bridge	Equipment	A-18	
A-19	Equipment	High Pressure Pump Station*	45 A	3	3-#6, 1-#6, 1-#10	Default	4.3	3.6		--	--	--	--	--	Equipment	A-20		
A-21	Equipment	--	--	--	--	--		4.3	3.6		--	--	--	--	Equipment	A-22		
A-23	Equipment	--	--	--	--	--			4.3	5.3	Default	3-#6, 1-#6, 1-#10	3	50 A	Dryer Feed 1	Equipment	A-24	
A-25	Equipment	Dryer Feed 2	50 A	3	3-#6, 1-#6, 1-#10	Default	5.3	5.3		--	--	--	--	--	Equipment	A-26		
A-27	Equipment	--	--	--	--	--		5.3	5.3		--	--	--	--	Equipment	A-28		
A-29	Equipment	--	--	--	--	--			5.3	--	--	--	1	--	Space	--	A-30	
A-31	--	Space	--	1	--	--	--	--	--	--	--	--	1	--	Space	--	A-32	
A-33	--	Space	--	1	--	--	--	--	--	--	--	--	1	--	Space	--	A-34	
A-35	--	Space	--	1	--	--	--	--	--	--	--	--	1	--	Space	--	A-36	
A-37	Power	Surge Protection (F.L.)	30 A	3	3-#10, 1-#10, 1-#10	Default	0.0	3.2		Default	See One Line Riser	3	100 A	Panel B Subfeed	SUB	A-38		
A-39	Power	--	--	--	--	--		0.0	4.5		--	--	--	--	SUB	A-40		
A-41	Power	--	--	--	--	--			0.0	4.5		--	--	--	SUB	A-42		
Total Load:							29.5 kVA	31.5 kVA	30.8 kVA									
Total Amps:							246 A	262 A	257 A									
Legend:																		
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals													
Lighting		0.9 kVA	125.00%	1.1 kVA														
Power		1.3 kVA	100.00%	1.3 kVA	Total Conn. Load: 91.8 kVA													
Equipment		89.6 kVA	100.00%	89.6 kVA	Total Est. Demand: 92.0 kVA													
					Total Conn. Current: 255 A													
					Total Est. Demand Current: 256 A													
Notes:																		
*Overcurrent device may have to be increased due to starting and load conditions. See NEC 430-52, Table 430-52. Wire size based on 75 degrees celsius terminations and 75 degrees celsius insulation.																		

Branch Panel: B																	
Location: Equipment Room 2				Volts: 120/208 Wye				A.I.C. Rating: 35,000K A.I.C. (Fully Rated)									
Supply From: A				Phases: 3				Mains Type: MLO									
Mounting: Surface				Wires: 4				Mains Rating: 225 A									
Enclosure: Type 1								MCB Rating: 100 A									
CKT	Load Class	Circuit Description	Trip	Poles	Wire Size	Wire Type	A(kVA)	B(kVA)	C(kVA)	Wire Type	Wire Size	Poles	Trip	Circuit Description	Load Class	CKT	
B-1	Lighting	Signs (Spare)	20 A	1	1-#12, 1-#12, 1-#12	Default	0.0	0.0		Default	1-#12, 1-#12, 1-#12	1	20 A	Spare	Equipment	B-2	
B-3	Power	Digital Video Recorder	15 A	1	1-#14, 1-#14, 1-#14	Default		0.2	0.1		Default	1-#14, 1-#14, 1-#14	1	15 A	Inline EF (Mech Fixture '55')	Equipment	B-4
B-5	--	Space	--	1	--	--			--	2.0	Default	2-#10, 1-#10, 1-#10	2	25 A	Instantaneous Water Heater	Equipment	B-6
B-7	Lighting	Lights / EF (Mech Fixture '29')	20 A	1	1-#12, 1-#12, 1-#12	Default	0.9	2.1		--	--	--	--	--	(Plumbing Fixture 'D')	Equipment	B-8
B-9	Equipment	PDQ Access	20 A	1	1-#12, 1-#12, 1-#12	Default		0.4	0.4		Default	1-#12, 1-#12, 1-#12	1	20 A	Door Controllers	Equipment	B-10
B-11	--	Space	--	1	--	--			--	0.0	--	--	2	50 A	Spare	--	B-12
B-13	Power	Floor Heater Boiler (Mech Fixture '18')	20 A	1	1-#12, 1-#12, 1-#12	Default	0.2	0.0		--	--	--	--	--	--	--	B-14
B-15	Power	Receptacles	20 A	1	1-#12, 1-#12, 1-#12	Default		0.9	2.5		Default	2-#10, 1-#10, 1-#10	2	30 A	Pressure Washer	Equipment	B-16
B-17	--	Space	--	1	--	--			--	2.5	--	--	--	--	--	Equipment	B-18
B-19	--	Space	--	1	--	--	--	--	--	--	--	--	1	--	Space	--	B-20
B-21	--	Space	--	1	--	--	--	--	--	--	--	--	1	--	Space	--	B-22
B-23	--	Space	--	1	--	--	--	--	--	--	--	--	1	--	Space	--	B-24
Total Load:							3.2 kVA	4.5 kVA	4.5 kVA								
Total Amps:							27 A	38 A	38 A								
Legend:																	
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals												
Lighting		0.9 kVA	125.00%	1.1 kVA													
Power		1.3 kVA	100.00%	1.3 kVA	Total Conn. Load: 12.2 kVA												
Equipment		10.0 kVA	100.00%	10.0 kVA	Total Est. Demand: 12.4 kVA												
					Total Conn. Current: 34 A												
					Total Est. Demand Current: 35 A												
Notes:																	

PROFESSIONAL SEAL



01/25/2021

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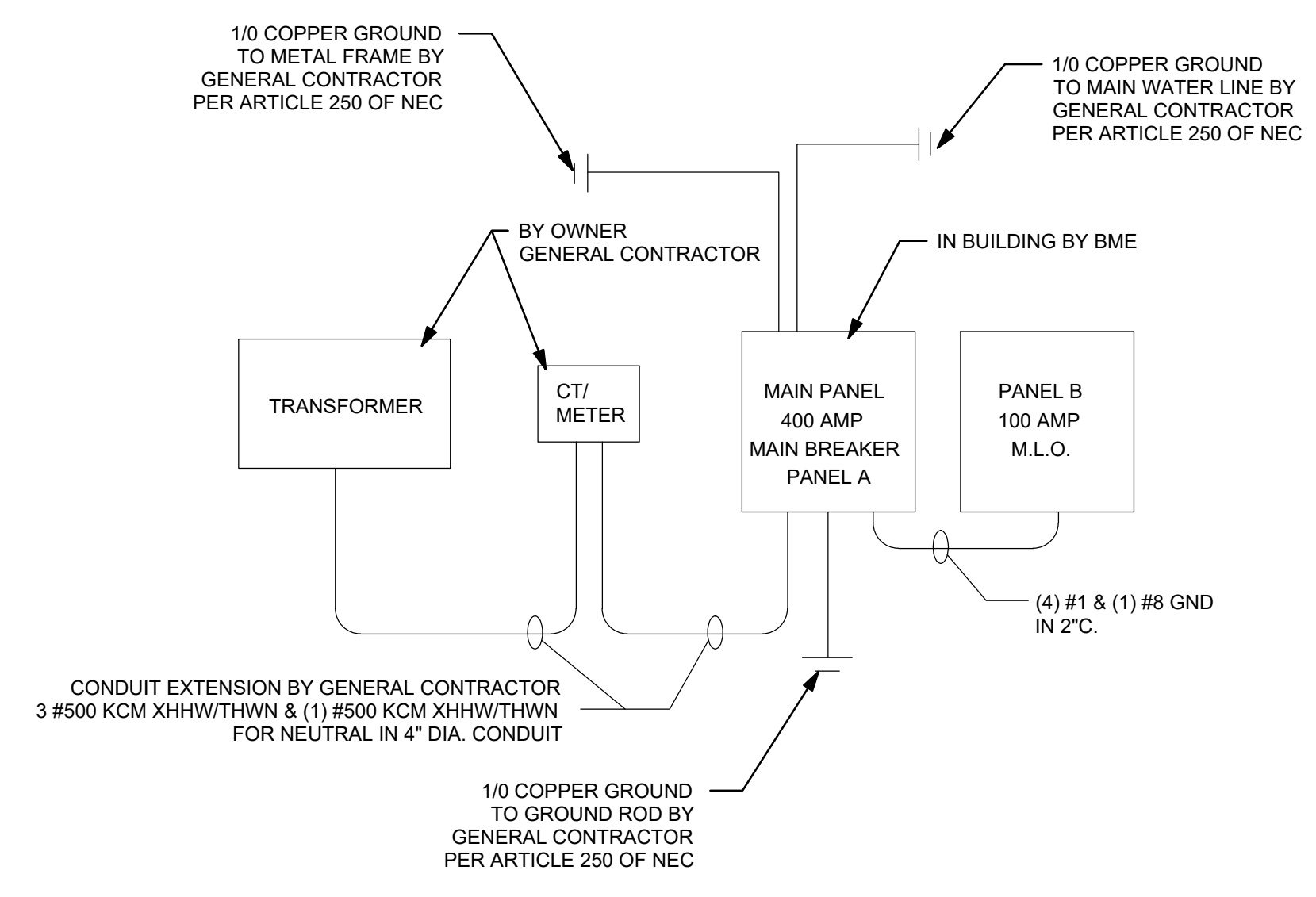
PROJECT NUMBER
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SHEET TITLE

**ELECTRICAL
SCHEDULES**

SHEET NUMBER

E3



ONE LINE RISER DIAGRAM

Drawing Name: P:\2021\01252021\01252021_001.dwg Date: 01/25/2021 10:00:00 AM Scale: 1:1 Plot Date: 01/25/2021 10:00:00 AM Plotter: HP DesignJet T1100e

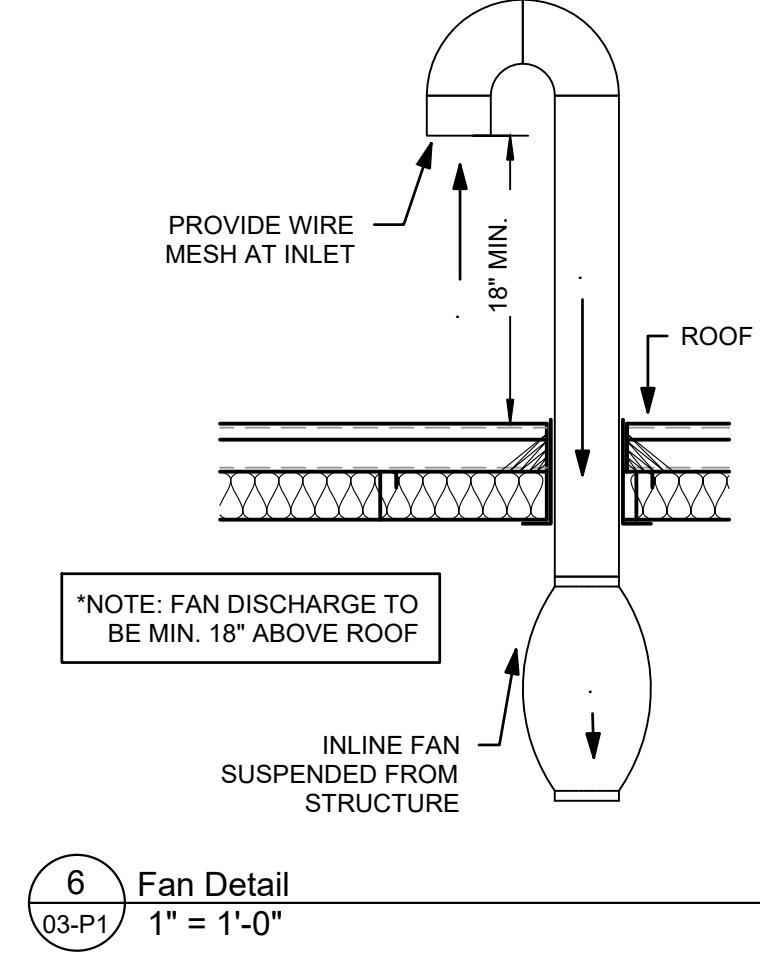
Plumbing Fixture Schedule							
Mark	Count	Description	Manufacturer	Model	Furnished By	Installed By	Comments
A	1	Utility Sink (ANSI-Specification Z 124.6-2001) w/ Eye Wash Faucet Combo			BMP	BMP	Direct Drain.
B	2	Floor Drain (ASTM D2665) ASME A112.63			BMP	BMP	
C	1	Lead Free Under Sink Guardian - compression and Quick-Connect fitting thermostatic mixing valves.	WATTS	LFUSG-B-M2	BMP	BMP	
D	1	Instantaneous Water Heater	Chronomite Laboratories	M-20L / 208	BMP	BMP	
E	1	Backflow Preventer-1 1/2" Connection w/ Air Gap Fitting, ASSE 1013, CSA B64.4	Wilkins	975XL	BMP	BMP	Non-potable water. Relief to hub drain.
F	1	Backflow Preventer-3/4" Connection w/ Air Gap Fitting, ASSE 1013, CSA B64.4	Wilkins	975XL	BMP	BMP	Potable water. Relief to hub drain.

Process Piping Plumbing Equipment Schedule					
Mark	Count	Description	Manufacturer	Model	Comments
14	1	R.O. Unit	Pur Clean		No drain.
16	2	300 Gallon Vertical Storage	Chemtainer	TC6481C	Hose to hub drain.
24	1	Air compressor	Champion		Hose to hub drain.
25	1	Electric Cold Water Stationary Pressure Washer, 2,000 PSI, 3 GPM, 220 Volt	Hydro Spray	HSWC3020 EDXA	No drain.
26	1	Water Softener System	Velocity	TWIN-2T-1 50K	Hose to hub drain.

Mechanical Equipment Schedule					
Mark	Count	Description	Manufacturer	Model	Comments
18	1	NFB High-Efficiency Condensing Fire Tube Boiler	Navien, Inc.	NFB-175	
29	1	Exhaust Fan		509	
55	1	Inline Centrifugal Fan	Fantech	FR125	

- Notes:**
- Equip the boiler w/ a drain valve that drains onto the floor.
 - Re-pipe the boiler safety valve towards floor.
 - Tag stop valves relating to boiler.
 - Boiler thermometer to be installed on outlet.
 - Anchor or brace the boiler using structural means.
- Notes:**
- Heat tubing outside building at entrance & exit furnished by Genesis, installed by GC.
 - BMP to furnish a ball valve on weep valve line.
 - BMP to pull the heat tubing lines longer in equipment room to ensure they reach manifolds.
 - BMP to pressure test boiler & heat tubing lines.

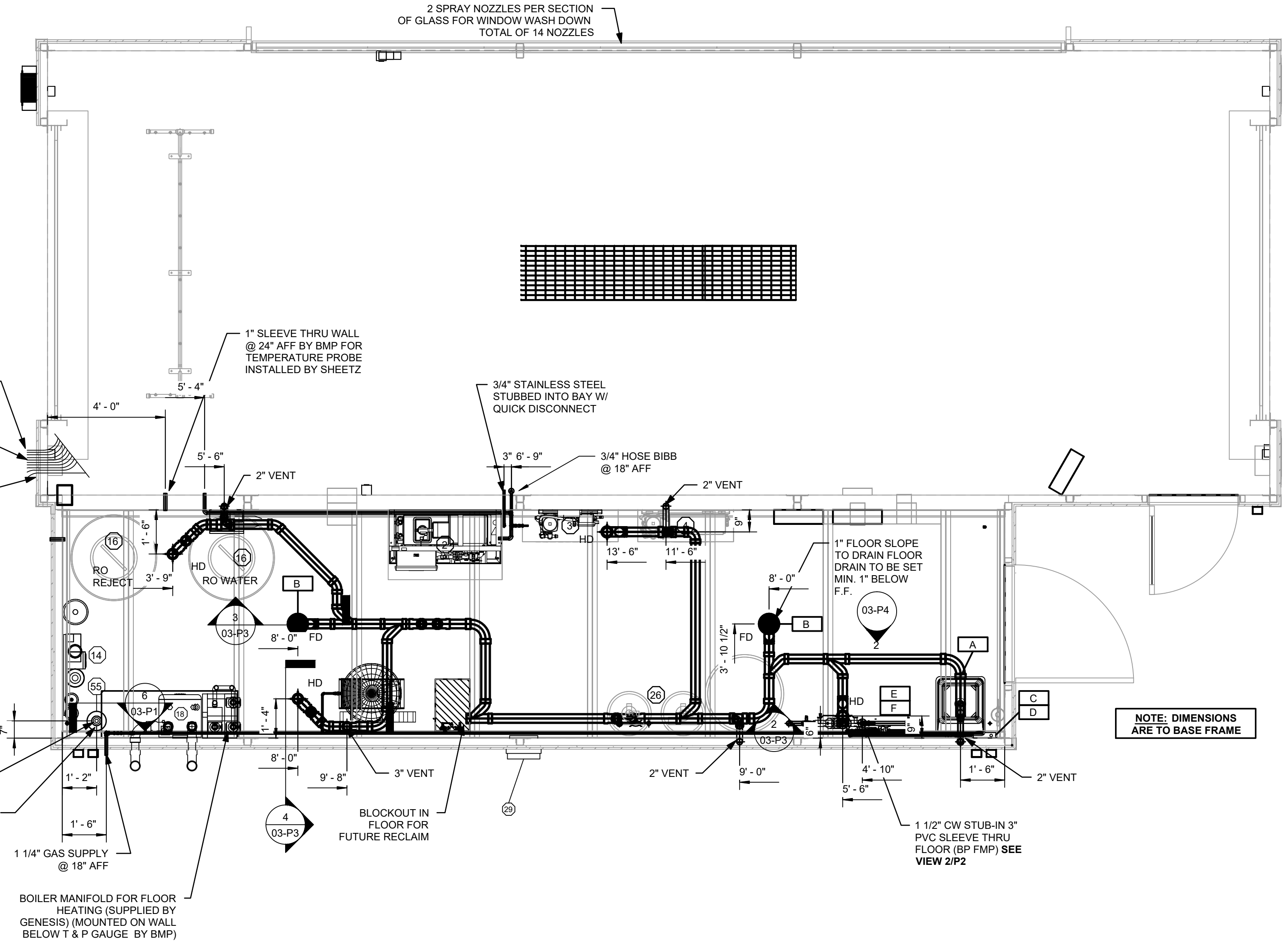
GAS CONSUMPTION TABLE	
FLOOR HEAT	175,000
FUTURE	105,000
TOTAL	280,000



NOTE: G.C. TO RUN INCOMING WATER PIPE AFTER BUILDING IS SET IN FIELD

NOTE: SEE INTERIOR ELEVATIONS SHEET A4 & A5 FOR DIMENSIONS

NOTE: CAR WASH SOFTENER TO BE SET AT ZERO GRAINS OF HARDNESS



NOTE: DIMENSIONS ARE TO BASE FRAME

PLUMBING LEGEND	
BM	BUILDING MANUFACTURER
BMP	PLUMBER
CW	CITY WATER (COPPER)
FD	FLOOR DRAIN
GC	GENERAL CONTRACTOR
HD	HUB DRAIN
HW	HOT WATER LINES (COPPER)
RO	RO WATER (CPVC)
RW	RECLAIM WATER (COPPER)
SS	SANITARY SEWER
SW	SOFT WATER (COPPER)
VSTR	VENT STACK THRU ROOF

Plumbing General Notes

- All plumbing to be per applicable plumbing code. (See sheet CS1).
- Hydraulic piping to be wall radiant e-pep cross-linked polyethylene tubing per ASTM F-876/8771 rated @ 100 psi @ 180 degrees Fahrenheit or equal. Installed per OML chapter 12.
- All water lines to be copper and all waste piping to be pvc sch. 40.
- Vertical copper pipe to be supported every 4' to 5'.
- All pvc vertical piping inside building shall be anchored between floors and ceiling & allow for thermal expansion.
- Horizontal copper to be supported at intervals not to exceed 3'.
- All pvc vertical piping inside building shall be anchored at maximum distance of 4'-0".
- All vents thru roof shall be a minimum of 3" diameter to prevent frost closure. 12" below roof to 12" above roof.
- All p-traps for equipment inside the building by building manufacturer supplier.
- All p-traps for floor drains and hub drains under building are pvc and supplied and installed by BMP.
- All sanitary sewer connections to points indicated are pvc or per local code and are supplied and installed by GC.
- Wrap pipes in exterior plumbing walls with pre-formed foam insulation.

Plumbing Field Notes

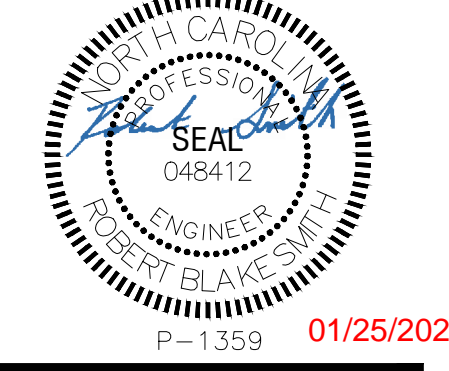
- Site contractor to supply and install all plumbing required on site and make field joint connections to building at locations shown on sheet F1.
- Drainage and vent system shall be tested with 10' head of water after building installation.
- Water supply system shall be tested with not less than 25 psi above working pressure both in shop and on site.

Gas Notes:

- No gas piping to be below building slab.
- Gas piping to be schedule 40 black iron with screwed fittings.
- Gas using equipment shall be separately valved.
- Gas plug cocks shall be Rockwell Nordstrum, Dezurick, or approved equal.
- Gas piping installation shall comply with the applicable gas code and pamphlet 54 of the NFPA and 2009 IFGC.

1 Plumbing Plan
 3/8" = 1'-0"

PROFESSIONAL SEAL



PROFESSIONAL IN CHARGE

ROBERT B. SMITH, PE
 PROJECT MANAGER
 RW
 QUALITY CONTROL
 RW
 DRAWN BY
 YY

PROJECT NAME

**SHEETZ
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SHEET TITLE

**PLUMBING
 PLAN**

SHEET NUMBER

P1

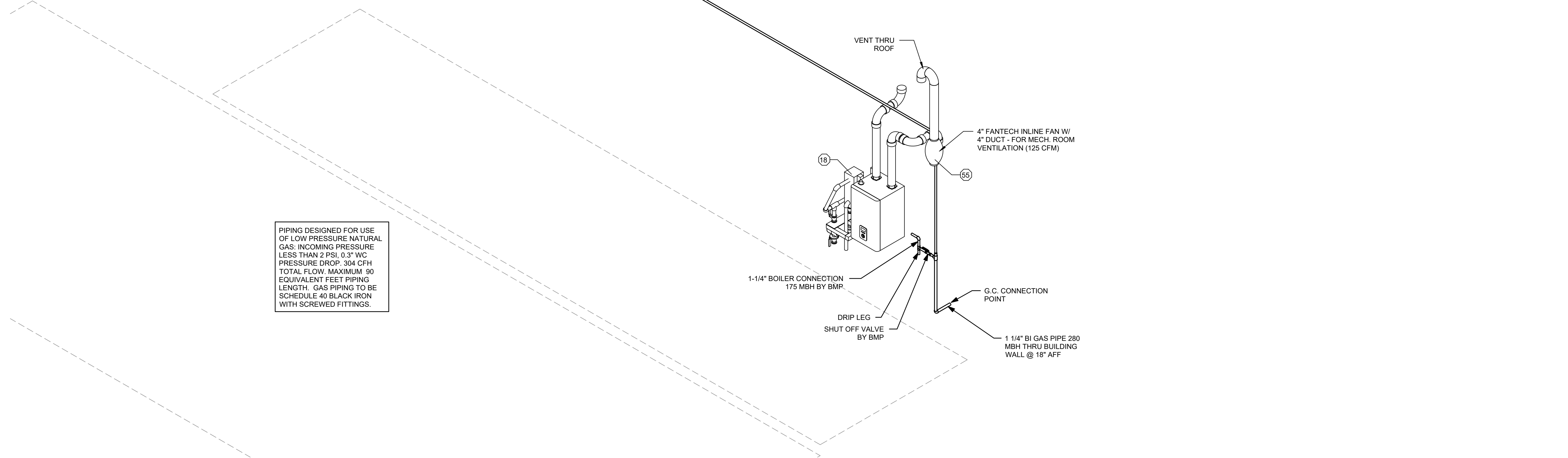
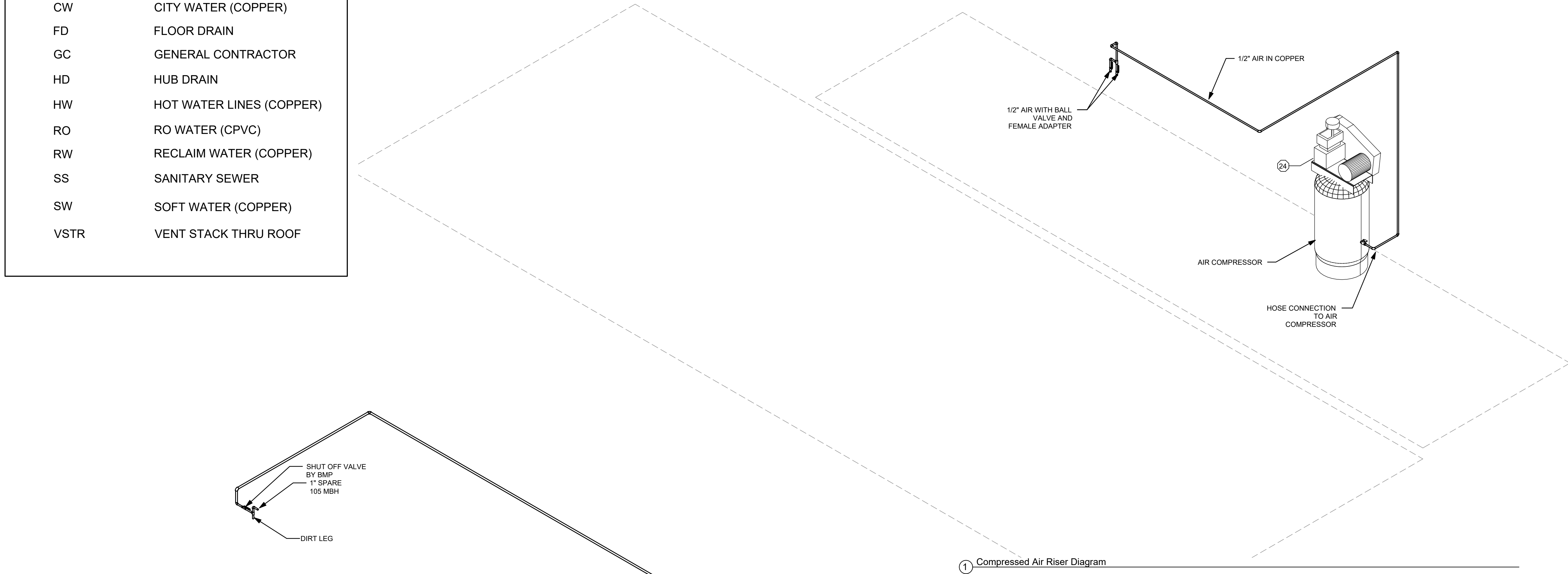
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PLUMBING LEGEND

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FD	FLOOR DRAIN
GC	GENERAL CONTRACTOR
HD	HUB DRAIN
HW	HOT WATER LINES (COPPER)
RO	RO WATER (CPVC)
RW	RECLAIM WATER (COPPER)
SS	SANITARY SEWER
SW	SOFT WATER (COPPER)
VSTR	VENT STACK THRU ROOF



PIPING DESIGNED FOR USE OF LOW PRESSURE NATURAL GAS. INCOMING PRESSURE LESS THAN 2 PSI, 0.3\"/>

2 Gas Riser Diagram

PROFESSIONAL SEAL

Professional Seal of Robert B. Smith, PE, No. 048412, State of North Carolina.

P-1359 01/25/2021

PROFESSIONAL IN CHARGE
ROBERT B. SMITH, PE
PROJECT MANAGER
RW
QUALITY CONTROL
RW
DRAWN BY
YY

PROJECT NAME
SHEETZ AUTOMATIC CARWASH
CAMERON NC
SAWYER RD. & NC 24-87
CAMERON, NC 28326

FREY MOSS STRUCTURE
1801 Rockdale Industrial Blvd.
Corners, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 483-6037
FMS JOB NUMBER: G20V36
FMS MODEL NUMBER: XXXXXX

PROJECT NUMBER
20210019
SHEET TITLE
PLUMBING RISER & DETAILS
SHEET NUMBER
P2

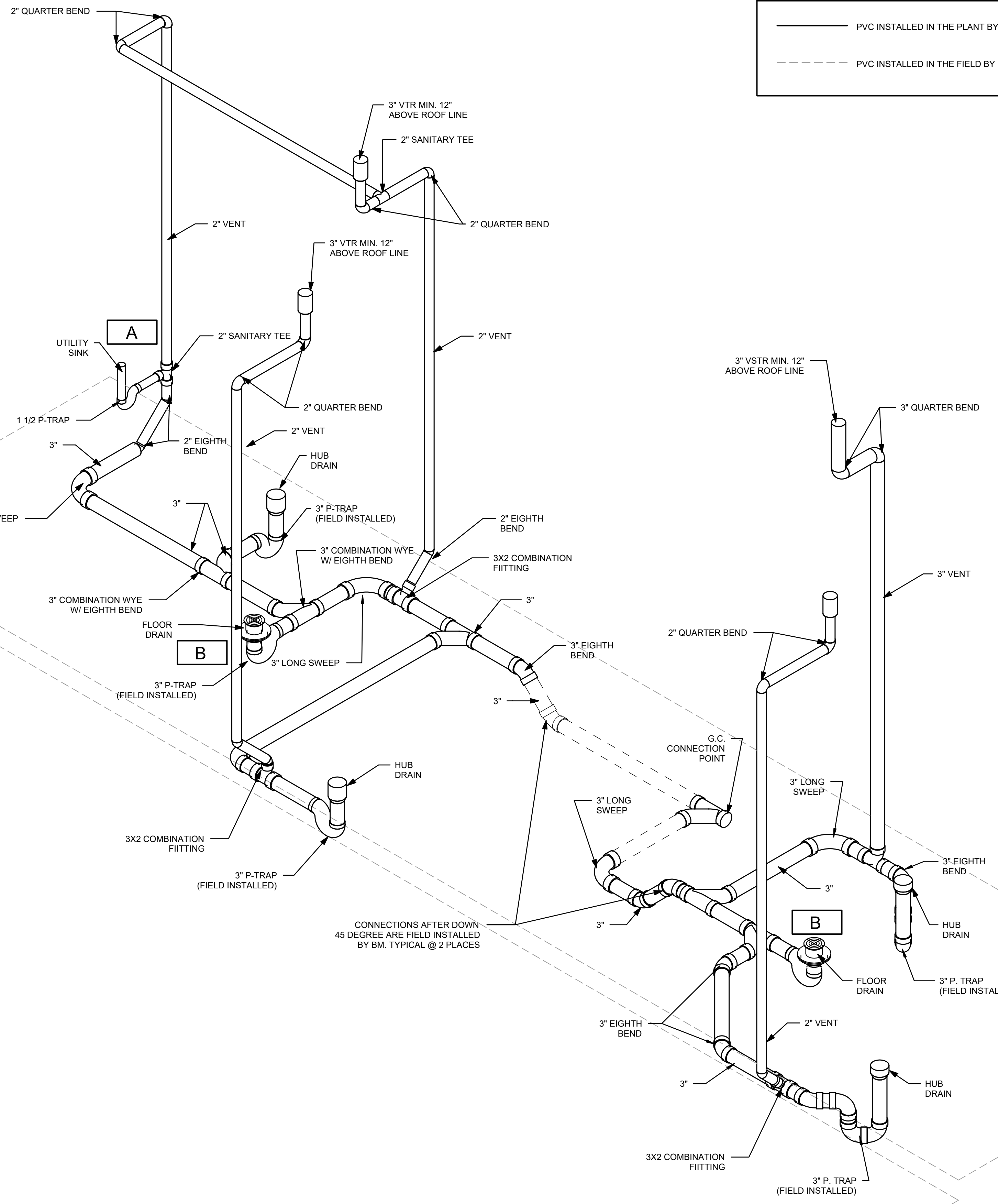
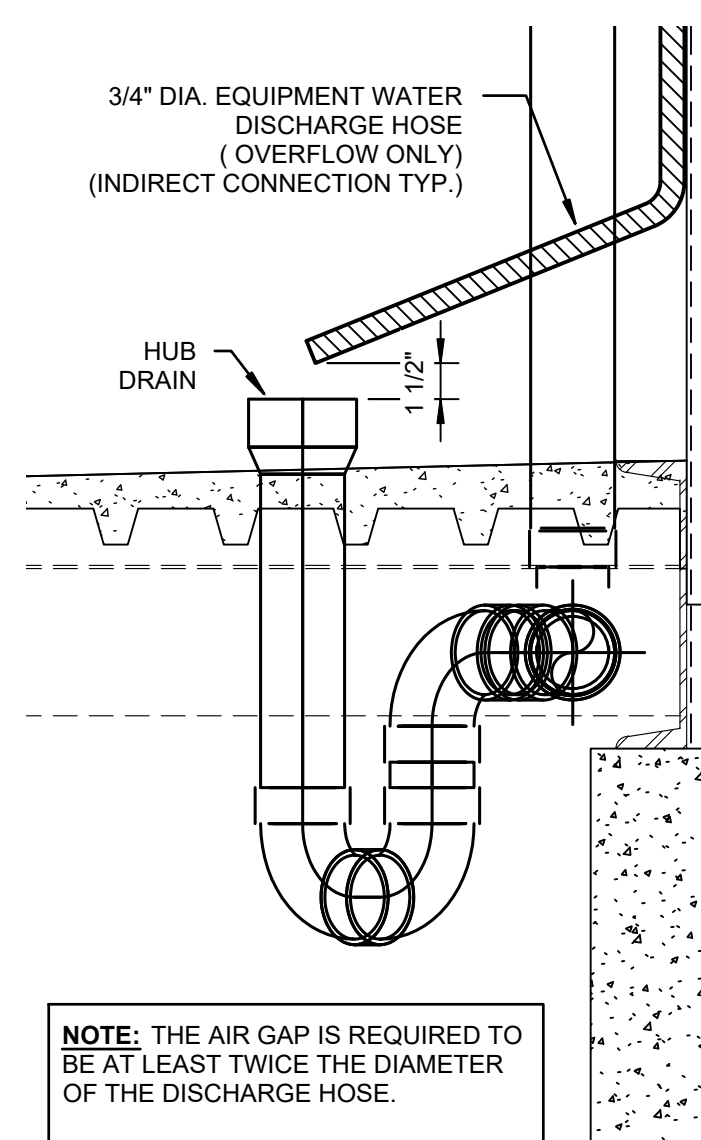
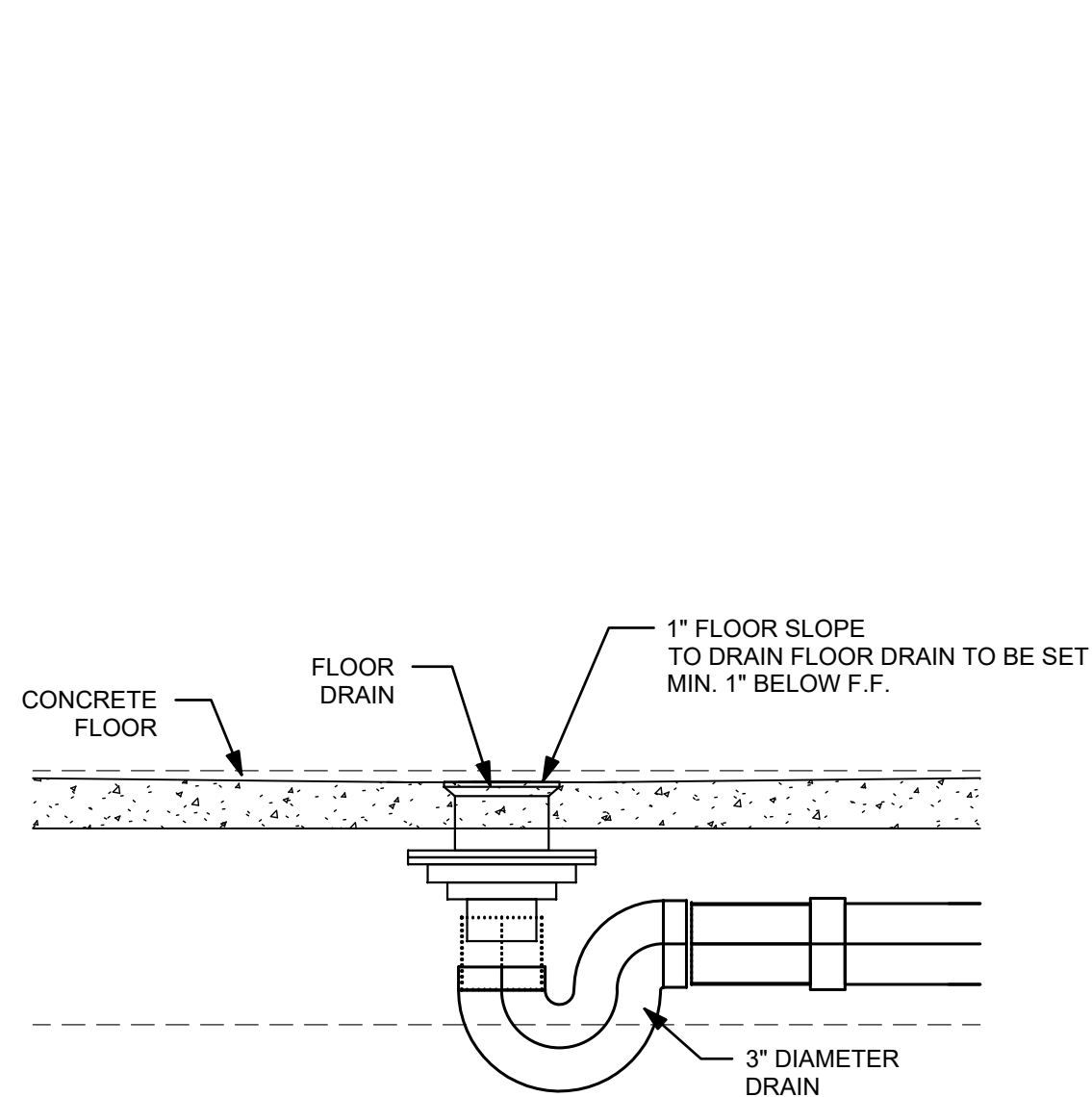
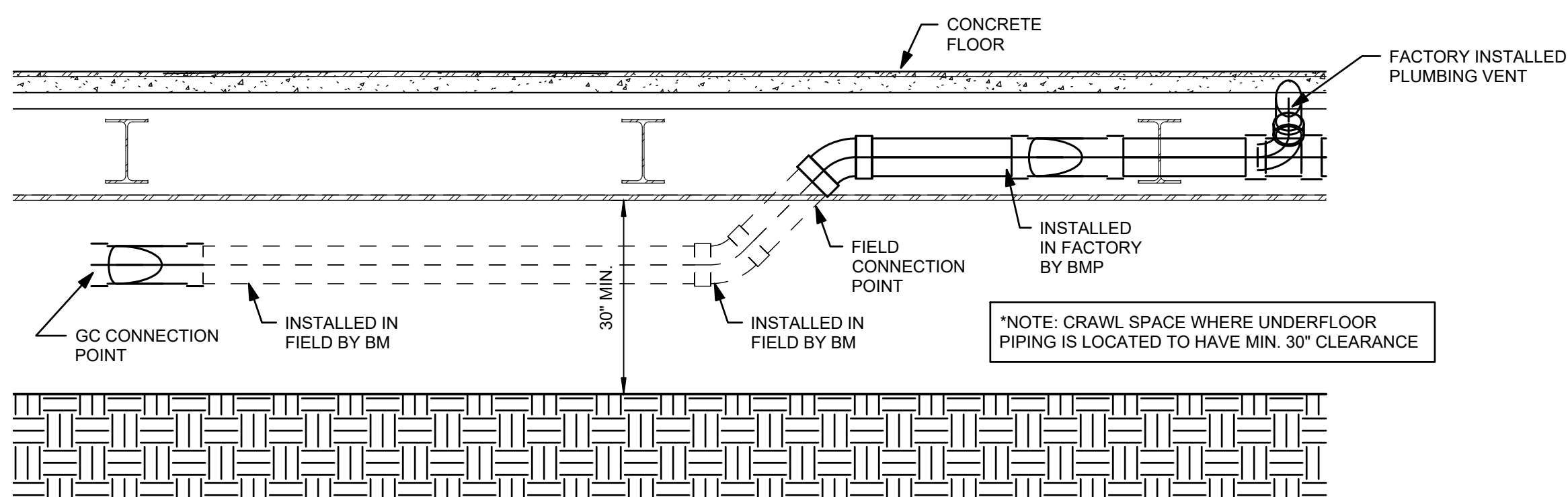
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PLUMBING LEGEND

BM	BUILDING MANUFACTURER
BMP	PLUMBER
CW	CITY WATER (COPPER)
FD	FLOOR DRAIN
GC	GENERAL CONTRACTOR
HD	HUB DRAIN
HW	HOT WATER LINES (COPPER)
RO	RO WATER (CPVC)
RW	RECLAIM WATER (COPPER)
SS	SANITARY SEWER
SW	SOFT WATER (COPPER)
VSTR	VENT STACK THRU ROOF

DWV PIPE LEGEND

—————	PVC INSTALLED IN THE PLANT BY BMP
-----	PVC INSTALLED IN THE FIELD BY BM



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ISSUE/REVISION RECORD

DATE	DESCRIPTION
01/25/21	PERMIT SET

PROFESSIONAL SEAL

ROBERT B. SMITH
P-1359 01/25/2021

PROFESSIONAL IN CHARGE
ROBERT B. SMITH, PE
PROJECT MANAGER
RW
QUALITY CONTROL
RW
DRAWN BY
YY

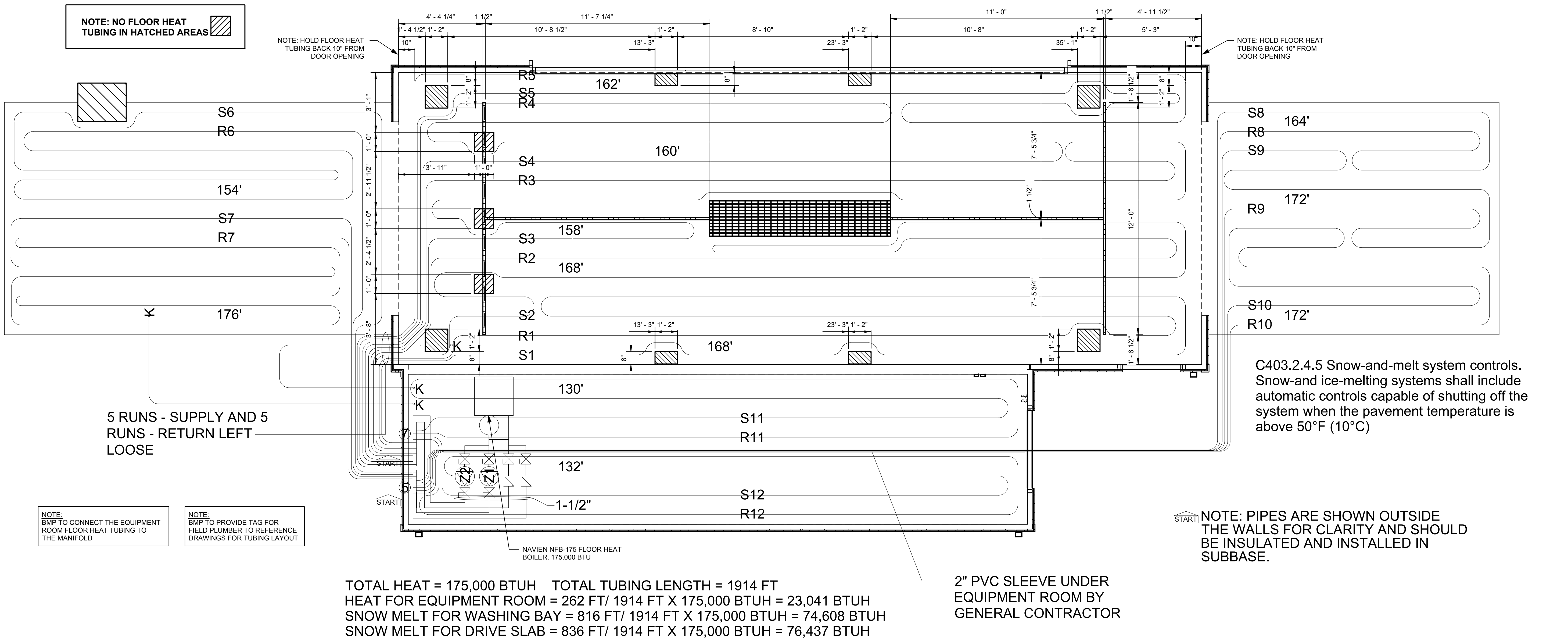
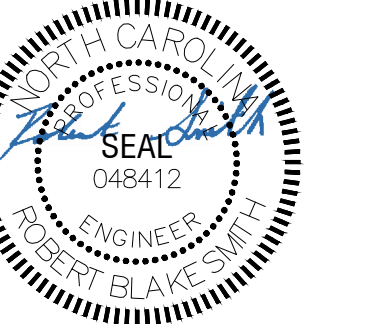
PROJECT NAME
SHEETZ AUTOMATIC CARWASH CAMERON NC
SAWYER RD. & NC 24-87
CAMERON, NC 28326

FREY MOSS STRUCTURE
1801 Rockdale Industrial Blvd.
Conyers, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 483-6037
FMS JOB NUMBER
G20V36
FMS MODEL NUMBER
XXXXXX

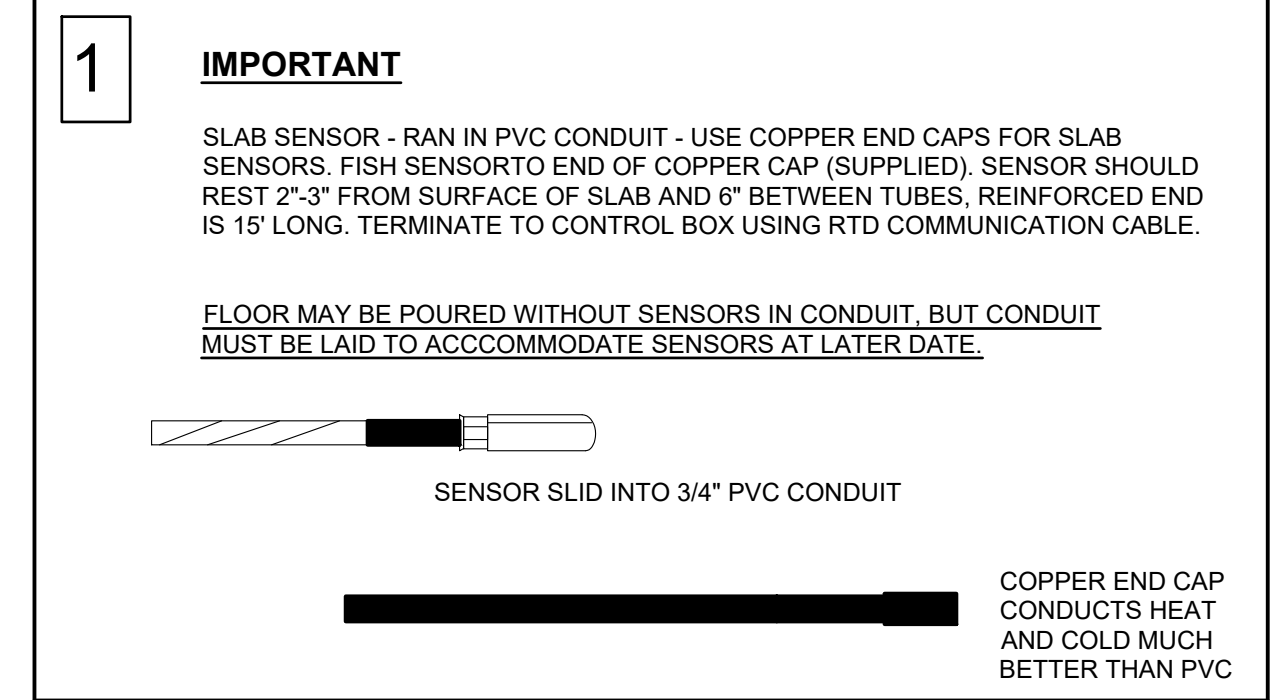
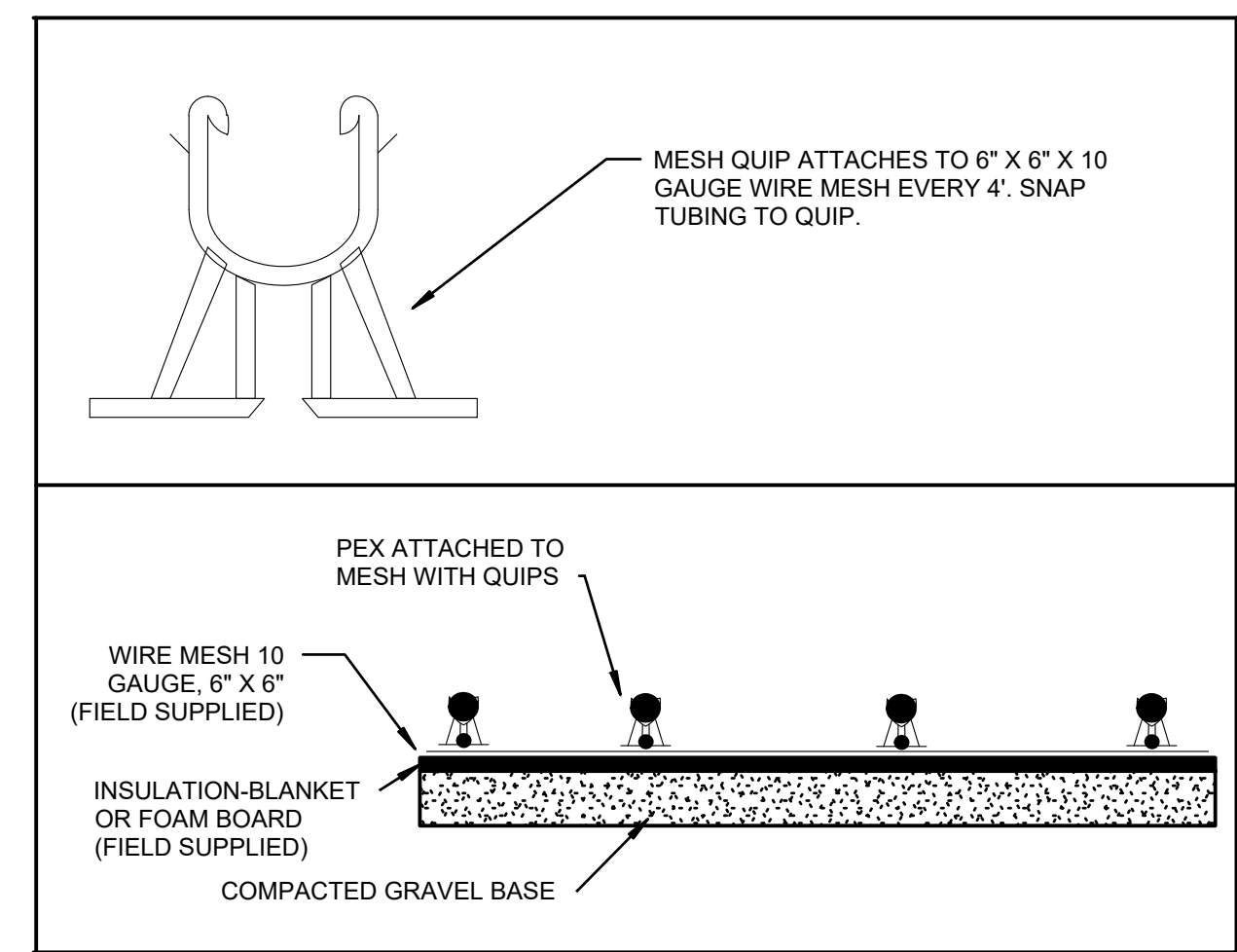
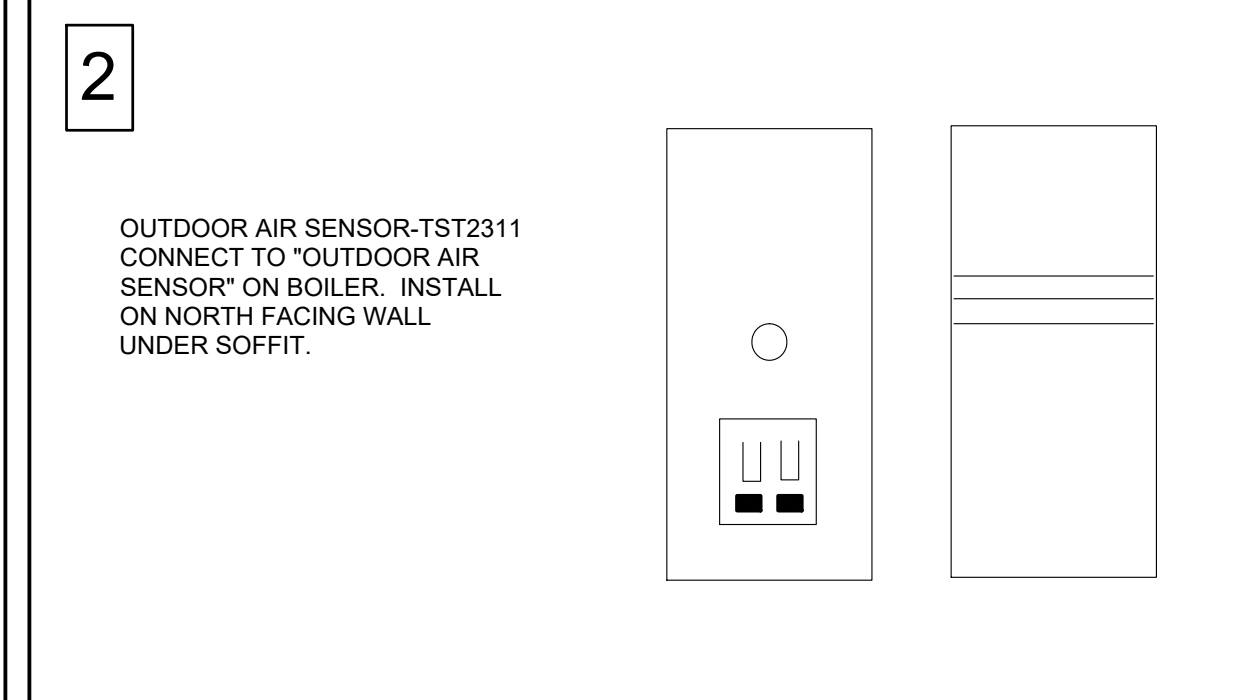
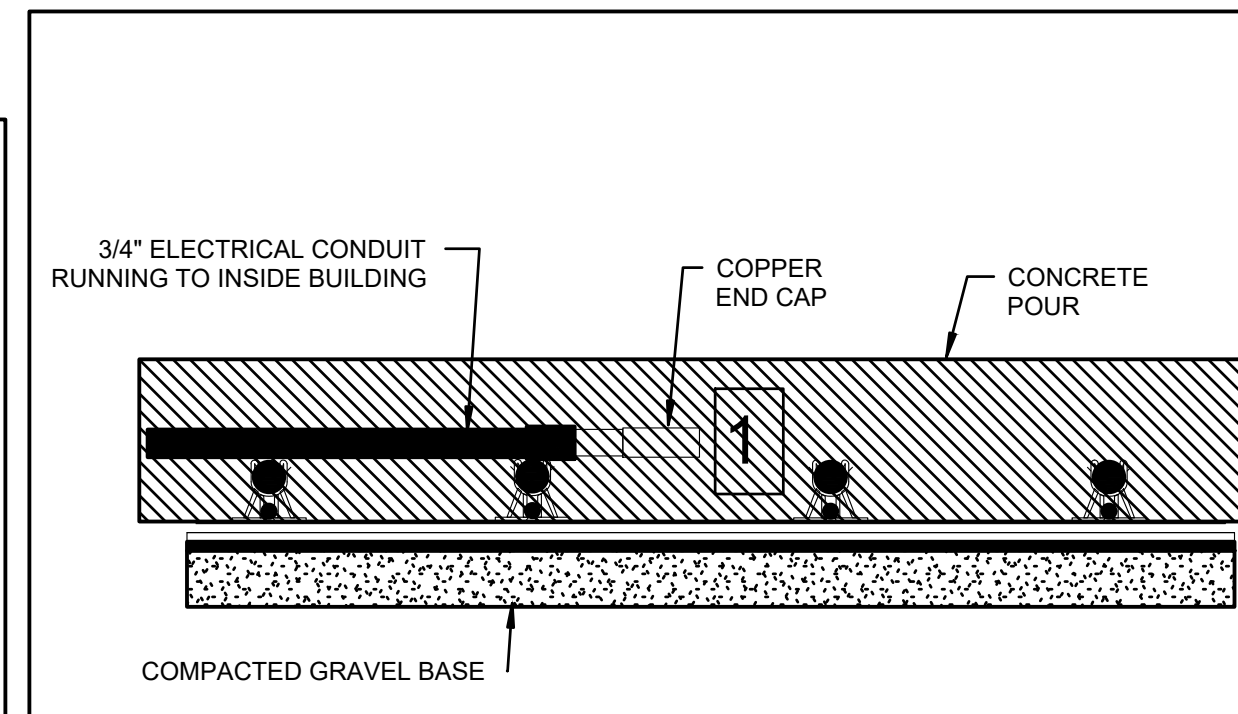
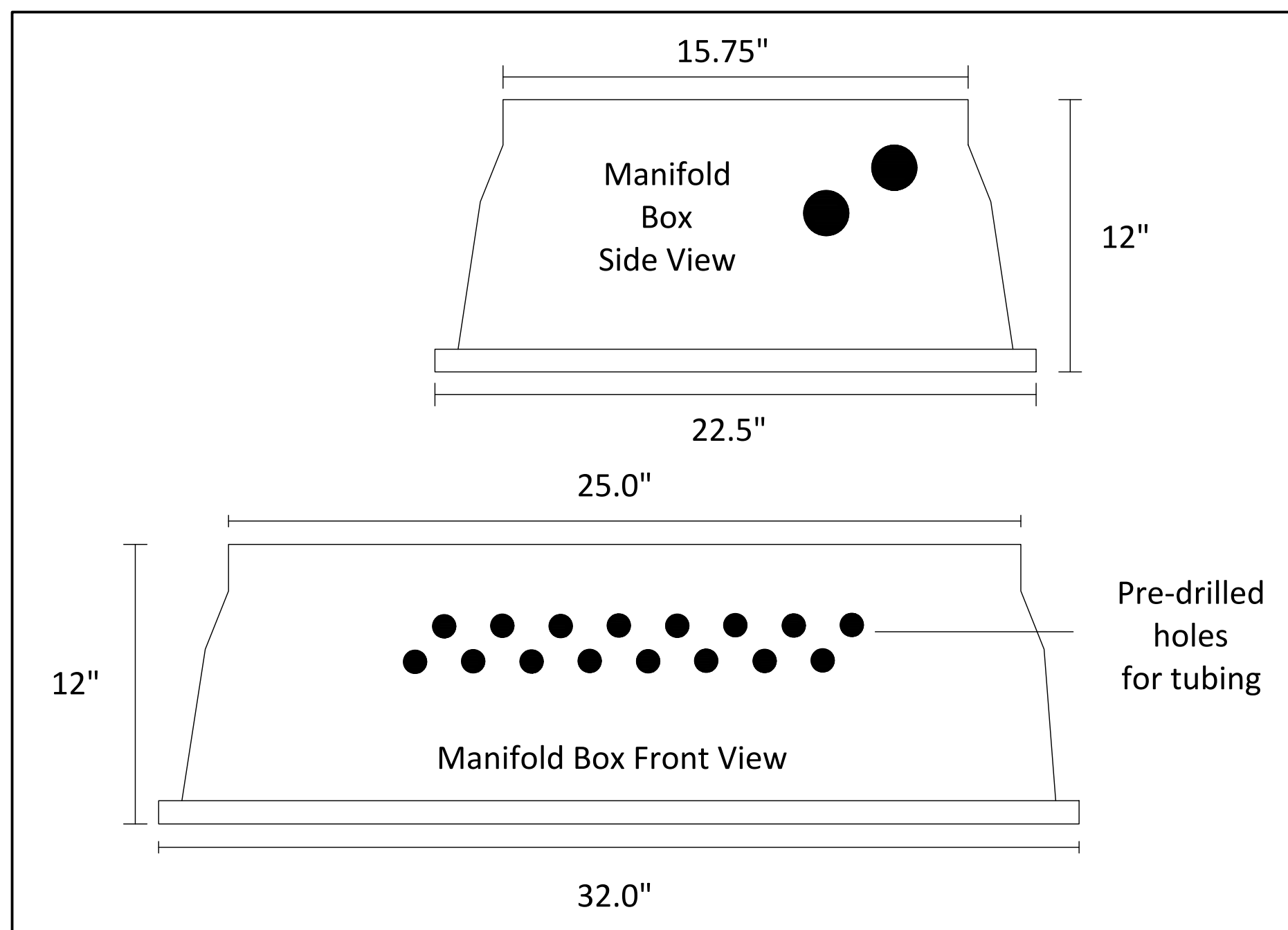
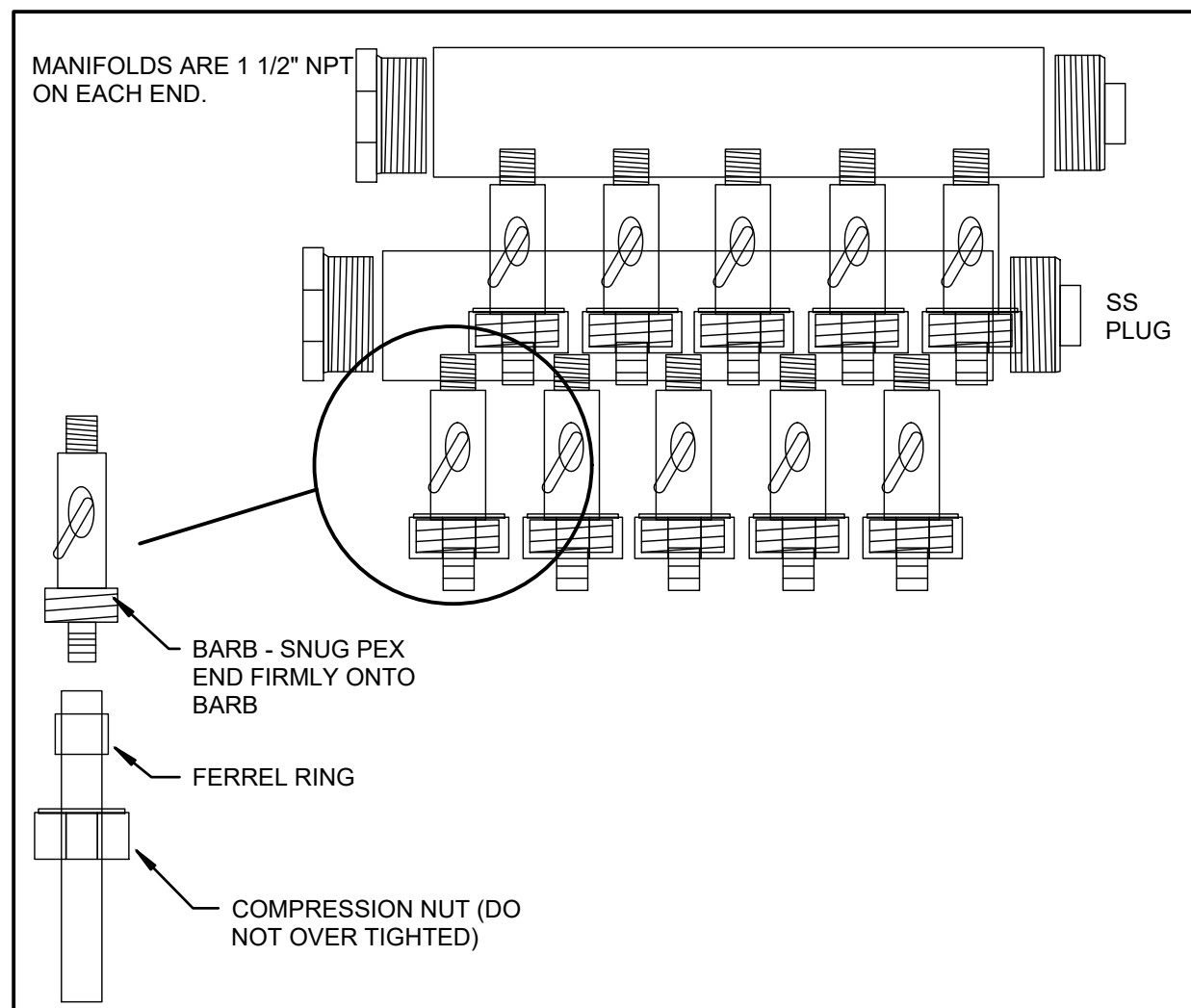
PROJECT NUMBER
20210019

SHEET TITLE
PLUMBING RISER & DETAILS
SHEET NUMBER
P3

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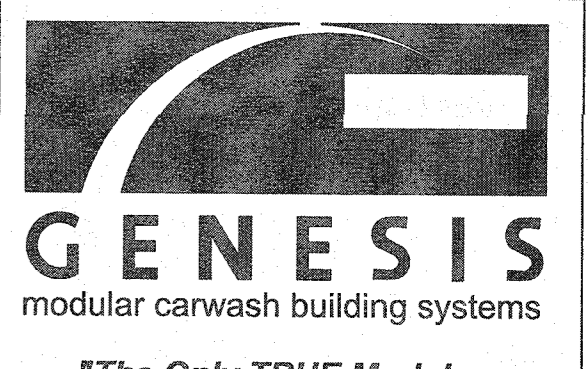


1 Floor Heat Plan
3/8" = 1'-0"

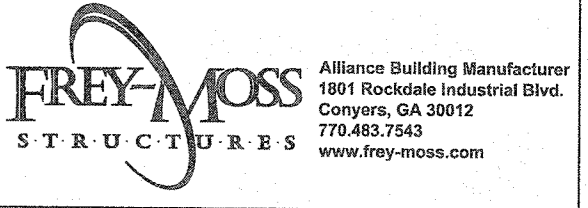


PLUMBING AND/OR ELECTRICAL HOLES(S) WILL NOT BE LOCATED ANY CLOSER THAN 6" FROM COLUMNS.

BEAM WEB PENETRATIONS	
MATERIAL	ALLOWED HOLE SIZE +/- 1/2"
2" DIA.	3" DIA.
3" DIA.	4" DIA.
4" DIA.	5" DIA.
1/2" TO 1" EMT	SLOT 4" X 2" MAX.
1/2" TO 1 1/2" COPPER WATER LINES	1" TO 2" DIA.

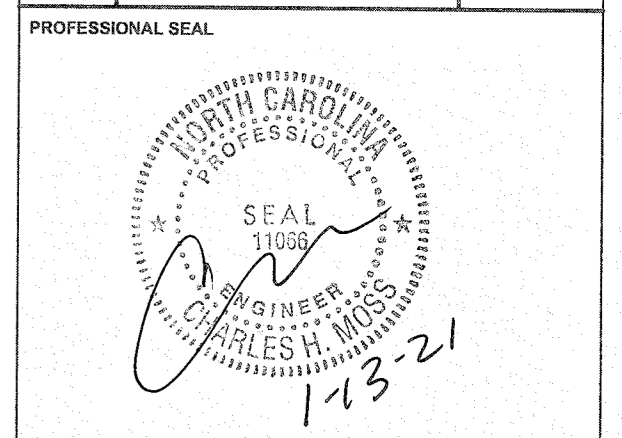


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No.	Description	Date



MODULAR CONSTRUCTION

CLIENT
Sheetz

PROJECT NAME
42' Single Bay Car Wash

SHEET TITLE
Floor Framing Plan

PROJECT NUMBER
G20V36

ADDRESS
**Sawyer Rd. & NC 24-87
Cameron, NC**

GENESIS NO.
PR1078

DRAWING NO.
PR1078

DATE
12/10/20

PROFESSIONAL IN CHARGE
SM

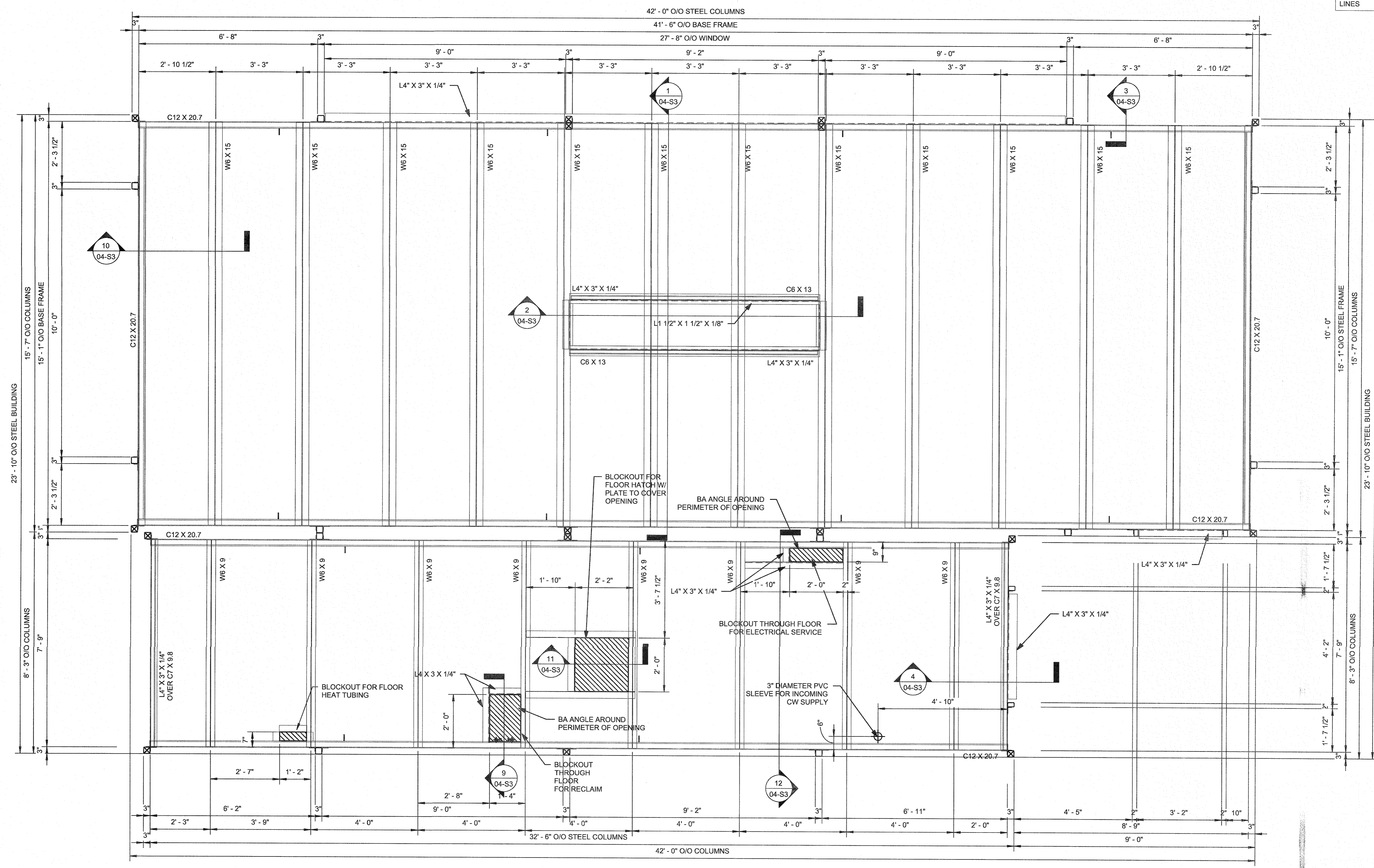
PROJECT MANAGER
SM

DRAWN BY
TM

QUALITY CONTROL
SM

04-S1

Page **15** Of **22**
Scale **As indicated**



1 Floor Framing Plan
1/2" = 1'-0"

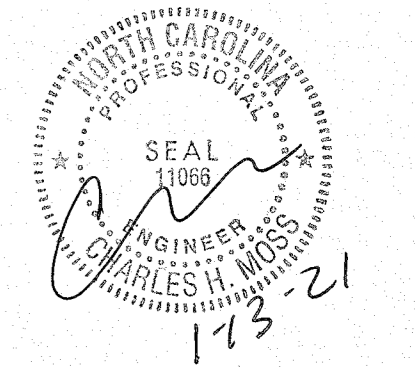
NOTE: ALL PULL DIMENSIONS ARE TAKEN FROM OUTSIDE OF THE STEEL BASE FRAME OF EACH MODULE.

- ☒ DENOTES LIFTING COLUMN
- ◻ DENOTES T.S. 3" X 3" X 3/16" COLUMN
- ◻ DENOTES T.S. 3" X 2" X 1/4 GA COLUMN
- | DENOTES BASE LIFTING POINT

12/10/2020 11:22:08 AM

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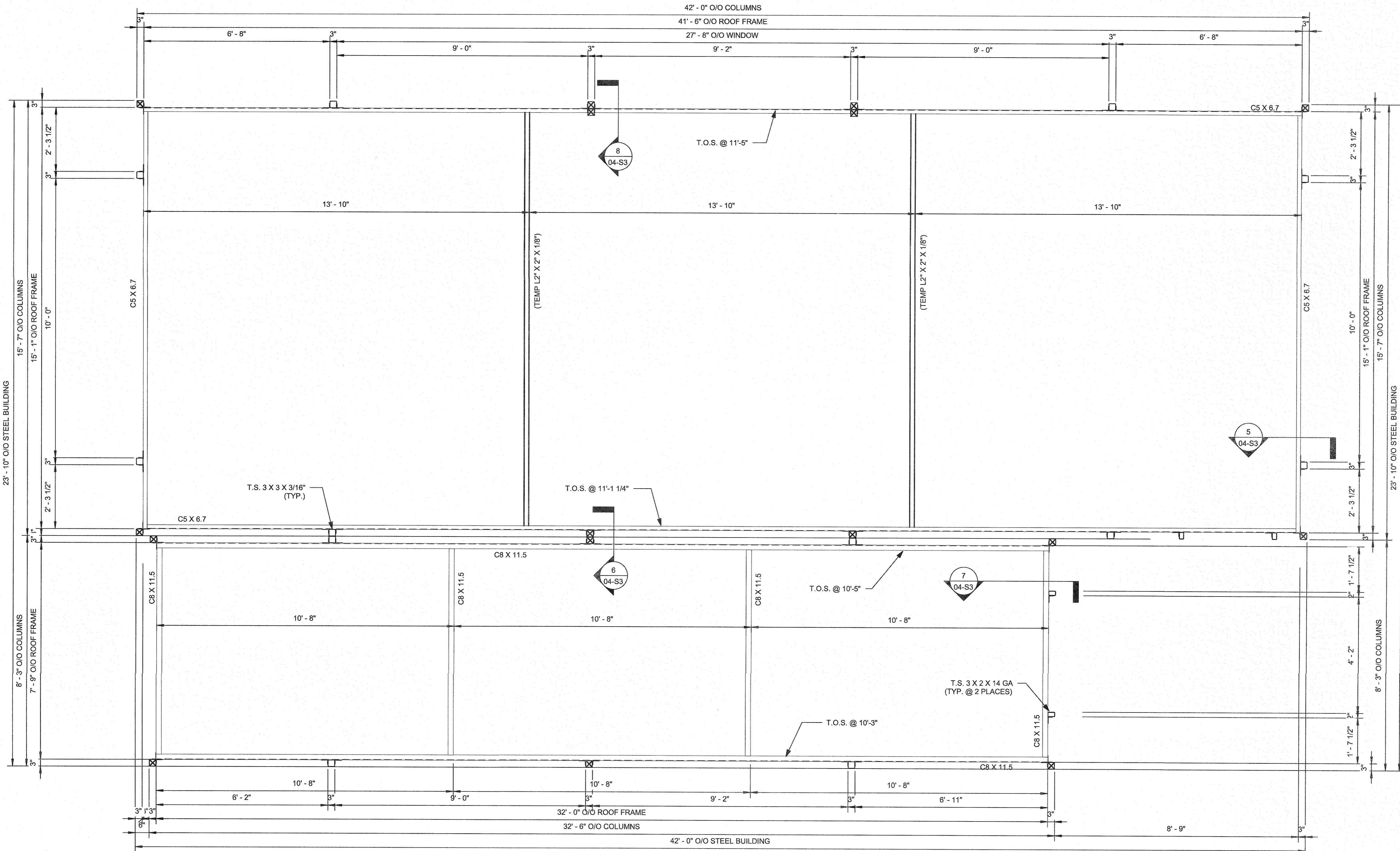
No.	Description	Date

C.H. MOSS, P.E.
 P.O. BOX 28
 COVINGTON, GA 30015
 PROFESSIONAL SEAL


MODULAR CONSTRUCTION
 CLIENT
Sheetz
 PROJECT NAME
42' Single Bay Car Wash
 SHEET TITLE
Roof Framing Plan

PROJECT NUMBER
G20V36
 ADDRESS
 Sawyer Rd. &
 NC 24-87
 Cameron, NC
 GENESIS NO.
PR1078
 DRAWING NO.
 GBP PROJECT NO.
 DATE
12/10/20
 PROFESSIONAL IN CHARGE
 PROJECT MANAGER

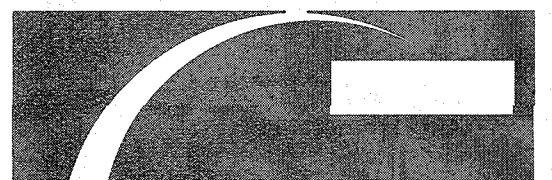
DRAWN BY
 QUALITY CONTROL
TM
SM
04-S2
 Page 16 of 22
 Scale As indicated



① Roof Framing Plan
 1/2" = 1'-0"

DENOTES LIFTING COLUMN
 DENOTES T.S. 3" X 3" X 3/16" COLUMN
 DENOTES T.S. 3" X 2" X 14 GA COLUMN
 DENOTES BASE LIFTING POINT

NOTE: ALL PULL DIMENSIONS ARE TAKEN FROM OUTSIDE OF THE STEEL BASE FRAME OF EACH MODULE.



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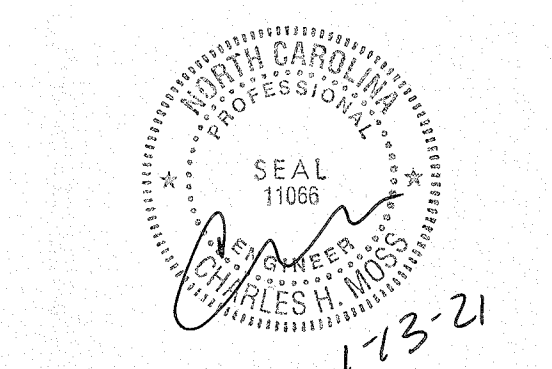
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No.	Description	Date

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P.O. BOX 28
COWINGTON, GA 30015

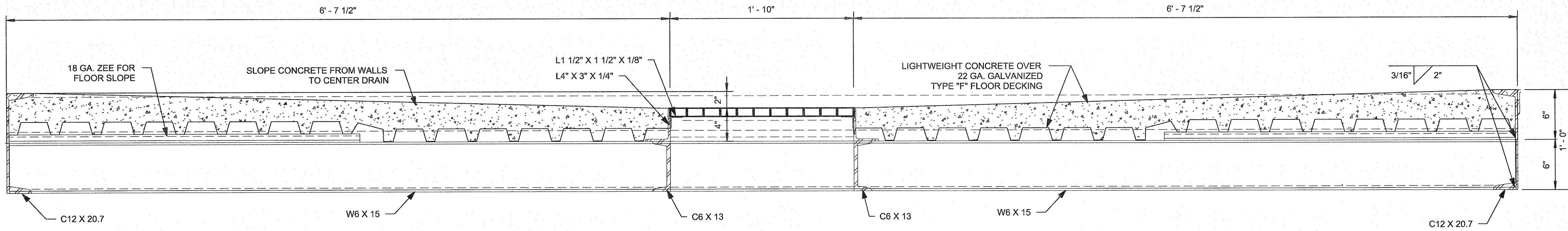
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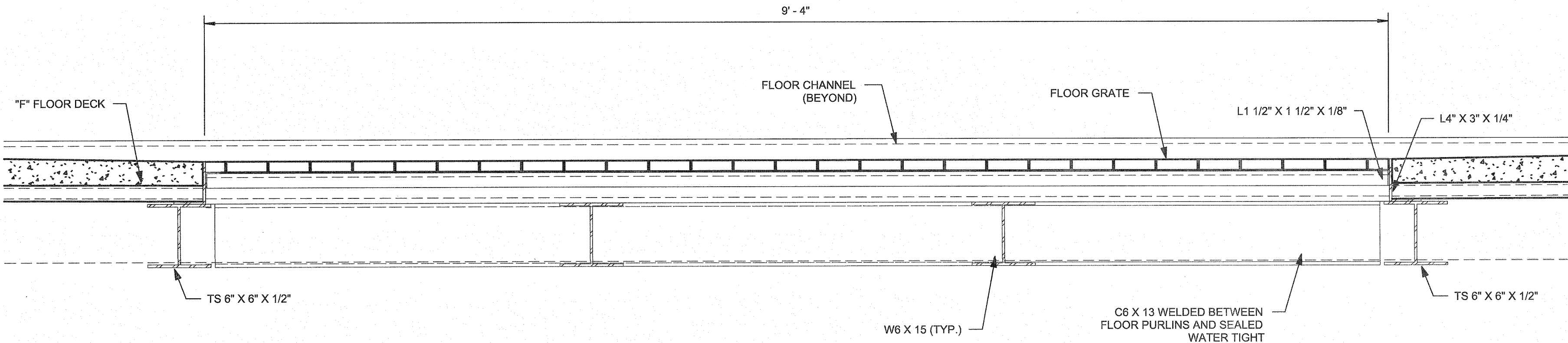
MODULAR CONSTRUCTION

CLIENT	Sheetz
PROJECT NAME	42' Single Bay Car Wash
SHEET TITLE	Framing Sections
PROJECT NUMBER	G20V36
ADDRESS	Sawyer Rd. & NC 24-87 Cameron, NC
GENESIS NO.	PR1078
DRAWING NO.	
GF PROJECT NO.	
DATE	12/10/20
PROFESSIONAL IN CHARGE	
PROJECT MANAGER	
DRAWN BY	TM
QUALITY CONTROL	SM

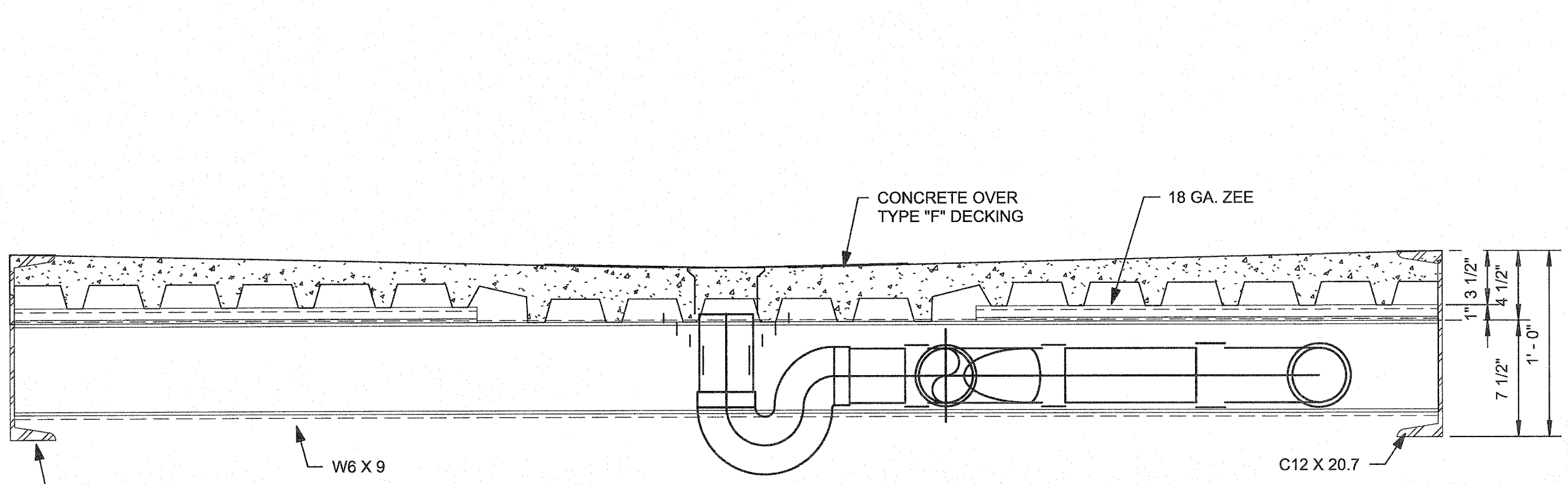
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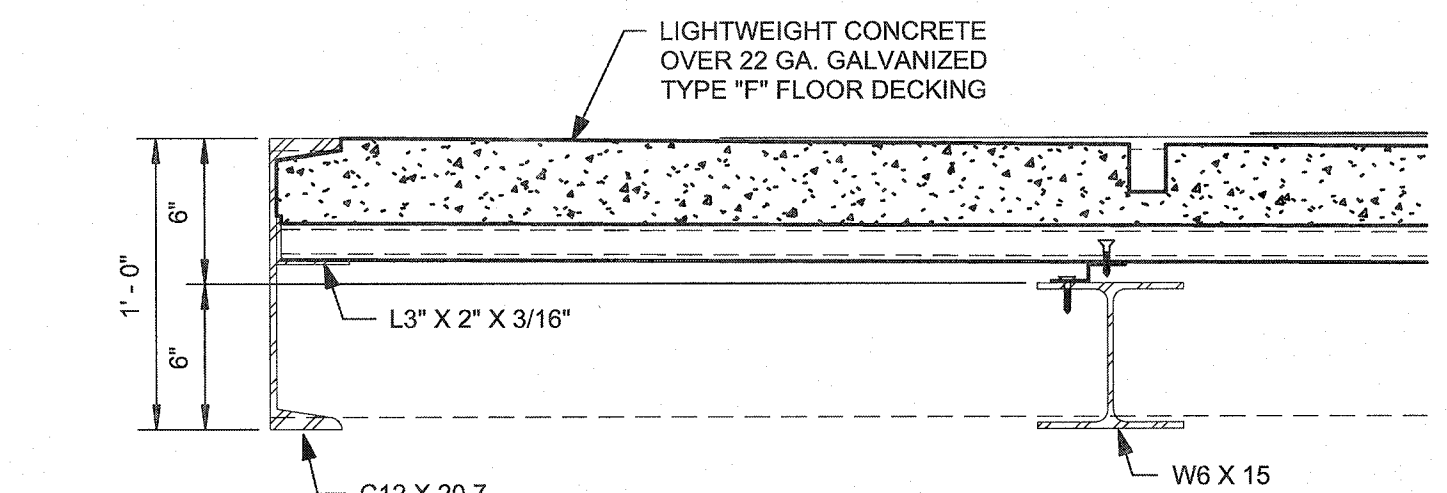
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04-S3 1 1/2" = 1'-0"



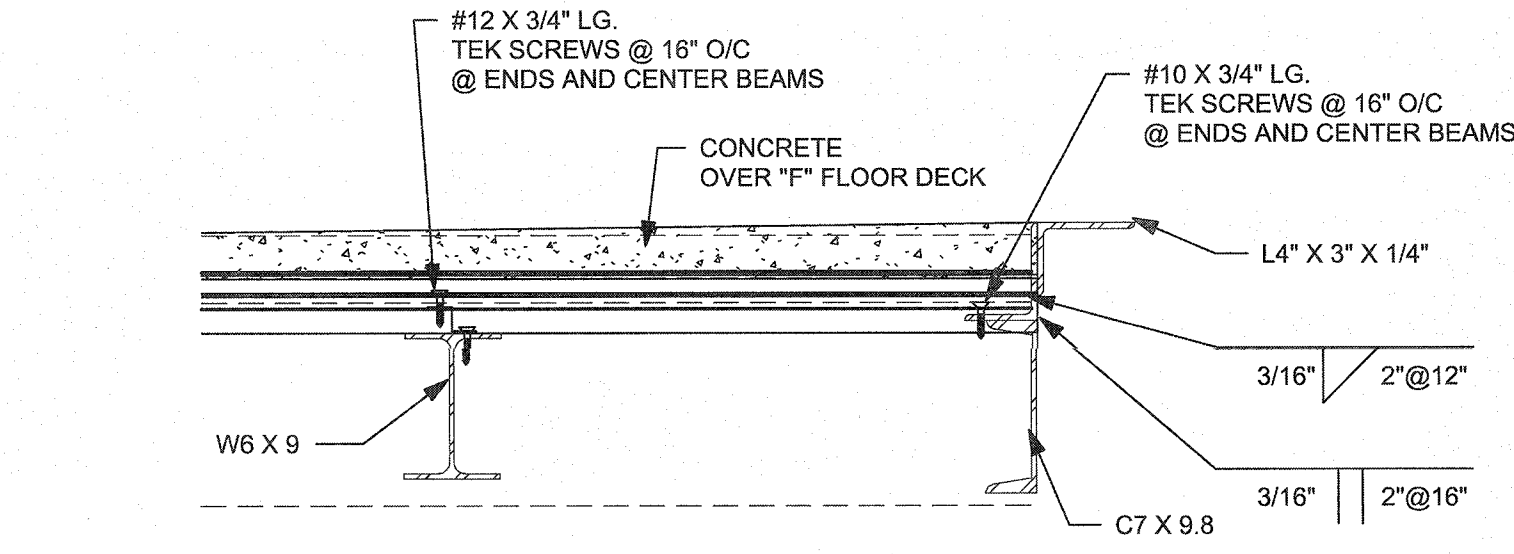
2 Base Frame Section 2
04-S3 1 1/2" = 1'-0"



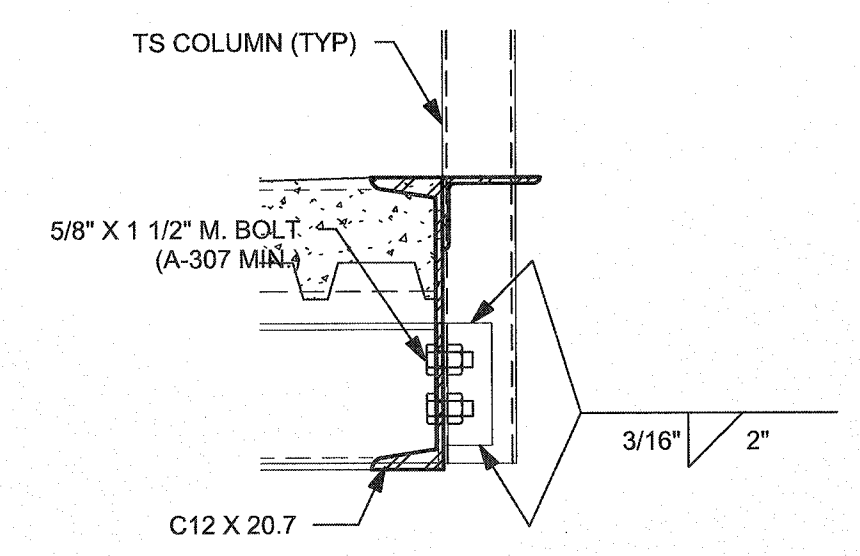
12 Base Frame Section 8
04-S3 1 1/2" = 1'-0"



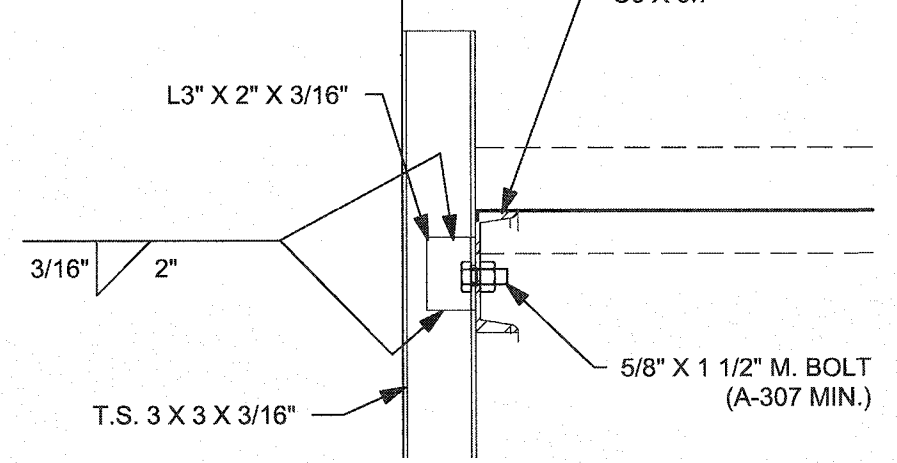
10 Base Frame Section 6
04-S3 1 1/2" = 1'-0"



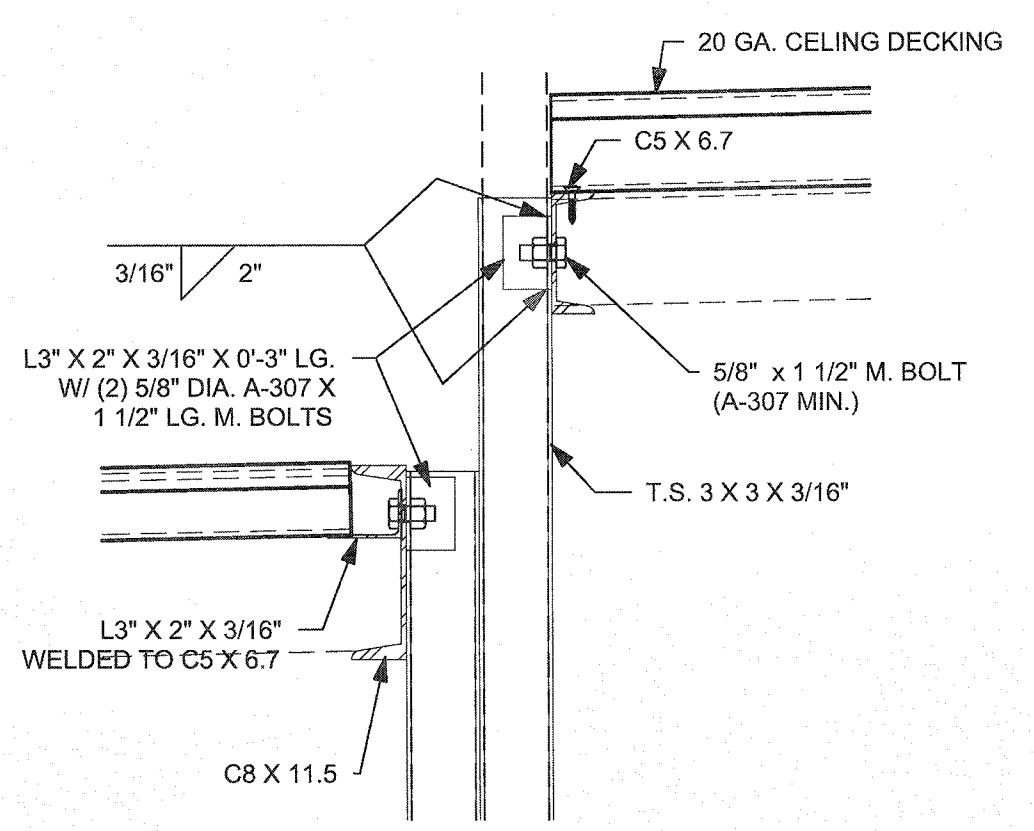
4 Base Frame Section 4
04-S3 1 1/2" = 1'-0"



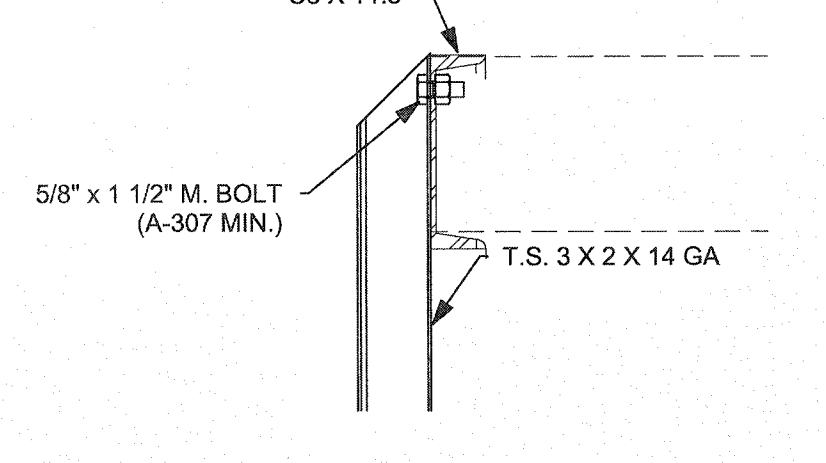
3 Base Frame Section 3
04-S3 1 1/2" = 1'-0"



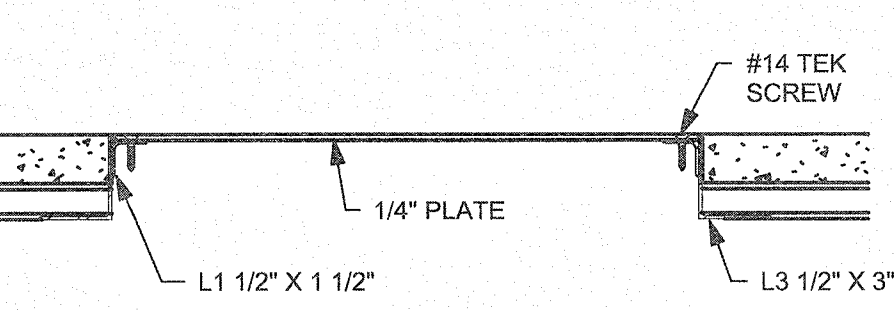
5 Roof Framing Section 9
04-S3 1 1/2" = 1'-0"



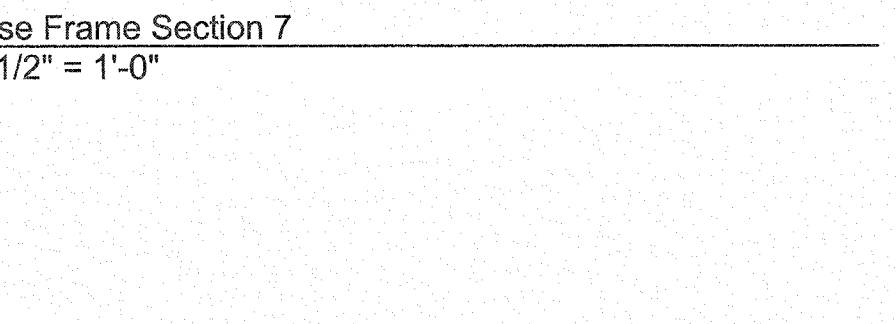
6 Roof Framing Section 10
04-S3 1 1/2" = 1'-0"



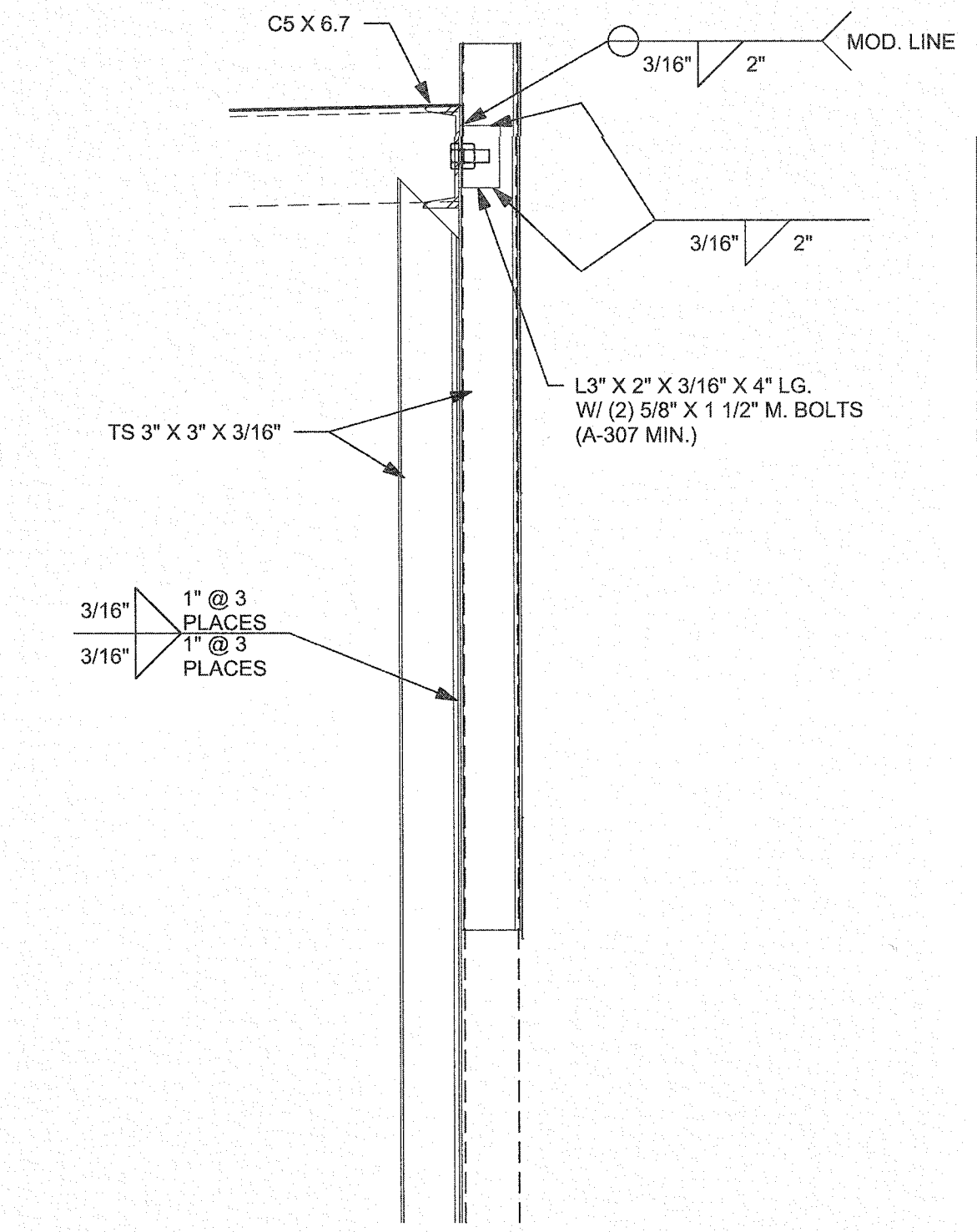
7 Roof Framing Section 11
04-S3 1 1/2" = 1'-0"



9 Base Frame Section 5
04-S3 1 1/2" = 1'-0"

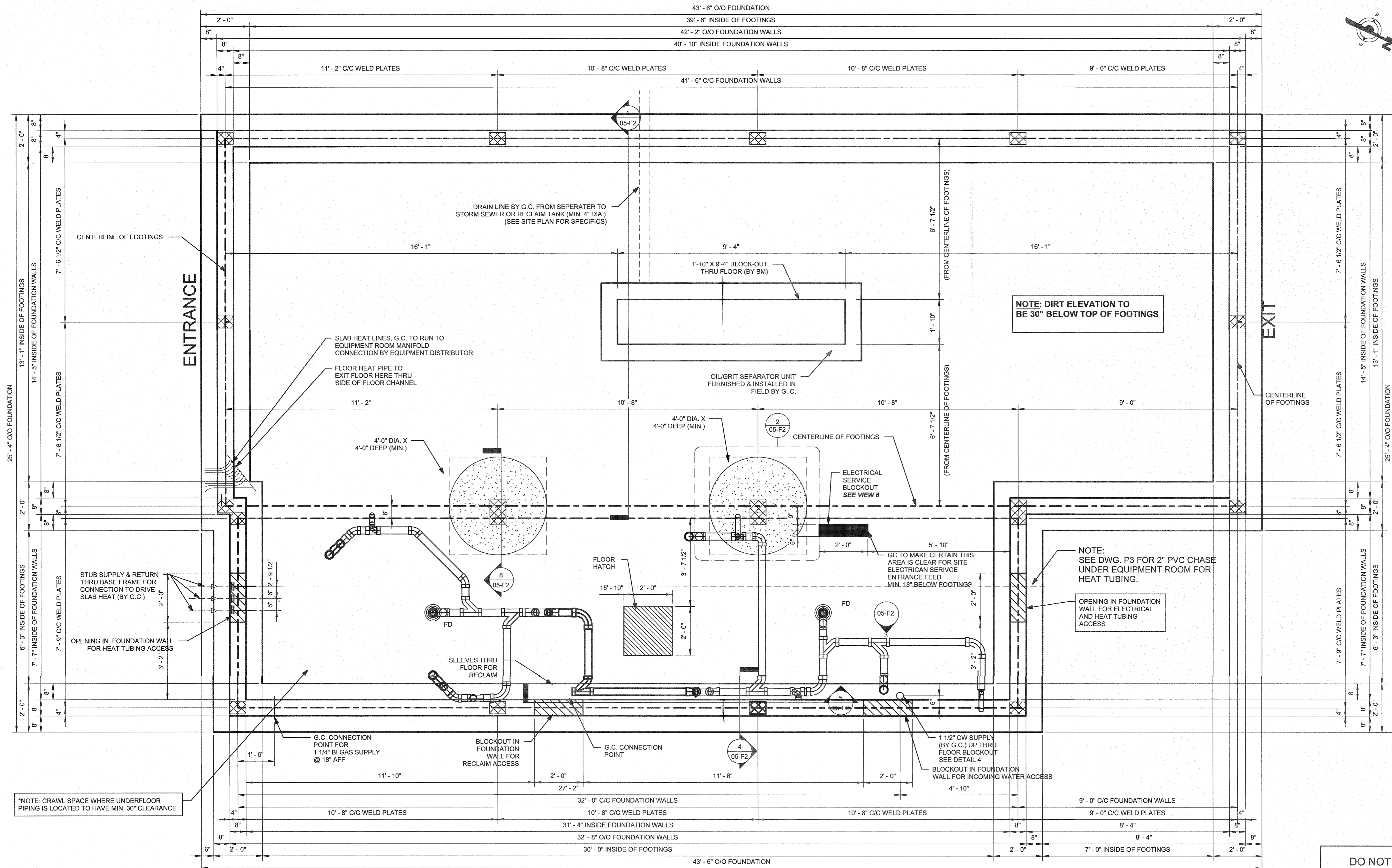


11 Base Frame Section 7
04-S3 1 1/2" = 1'-0"



8 Roof Framing Section 12
04-S3 1 1/2" = 1'-0"

NC HWY 24-87



DO NOT POUR FOUNDATION UNLESS THIS DRAWING IS SIGNED APPROVED BELOW

DATE _____

NAME _____

SIGNED _____

1. SECURE BUILDING BY WELDING BASE CHANNEL TO WELD PLATES BY BM.
2. ALL CONCRETE SHALL BE A MINIMUM OF 2500 PSI AT 28 DAYS.
3. TOP OF PIER FOOTINGS TO BE LEVEL WITHIN +/- 1/4" TOL.
4. SOIL BENEATH PIER FOOTINGS TO BE WELL COMPACTED AND BE CAPABLE OF SUPPORTING A LOAD OF 2000 PSF. SOIL CONDITIONS ARE THE CONTRACTOR'S RESPONSIBILITY.
5. SETTLING OF THE FOOTINGS IS THE CONTRACTOR'S RESPONSIBILITY.
6. ALL CONCRETE FIELD WORK BY G.C.

① Foundation
1/2" = 1'-0"

NOTE:
SIZE AND LOCATION OF FOOTINGS AND WELD PLATES IS CRITICAL. INSTALLATION IS TO CONFORM TO PROVIDED DRAWING WITH REFERENCE TO BOTH SIZE AND LOCATION.

NOTE:
WELD PLATES FURNISHED AND INSTALLED BY G.C.

NOTE:
DO NOT STUB ELECTRICAL OR PLUMBING ABOVE TOP OF FOOTING / WELD PLATES UNTIL AFTER BUILDING IS SET IN FIELD

NOTE:
FOUNDATION IS 12" BELOW FINISHED FLOOR ELEVATION. SEPARATOR IS 13" BELOW FINISHED FLOOR ELEVATION.

NOTE: G.C. TO RUN INCOMING WATER PIPE AFTER BUILDING IS SET IN FIELD

GENESIS
modular carwash building systems

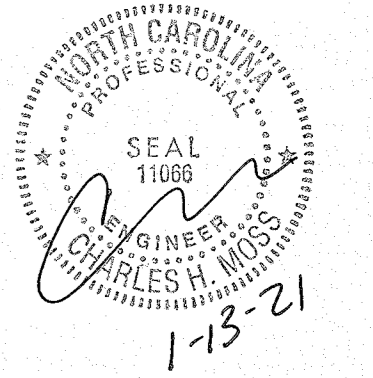
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No.	Description	Date

C.H. MOSS, P.E.
P.O. BOX 28
COVINGTON, GA 30033



MODULAR CONSTRUCTION

CLIENT _____

Sheetz

PROJECT NAME
42' Single Bay Car Wash

SHEET TITLE
Foundation Plan

PROJECT NUMBER
G20V36

ADDRESS
Sawyer Rd. &
NC 24-87
Cameron, NC

GENESIS NO. **PR1078**

DRAWING NO. _____

GBF PROJECT NO. _____

DATE **12/10/20**

PROFESSIONAL IN CHARGE _____

PROJECT MANAGER _____

DRAWN BY _____ **TM**

QUALITY CONTROL _____ **SM**

