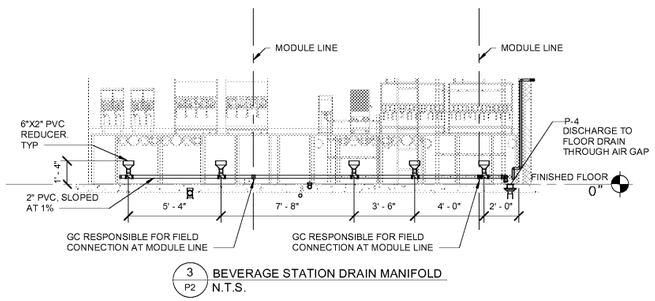
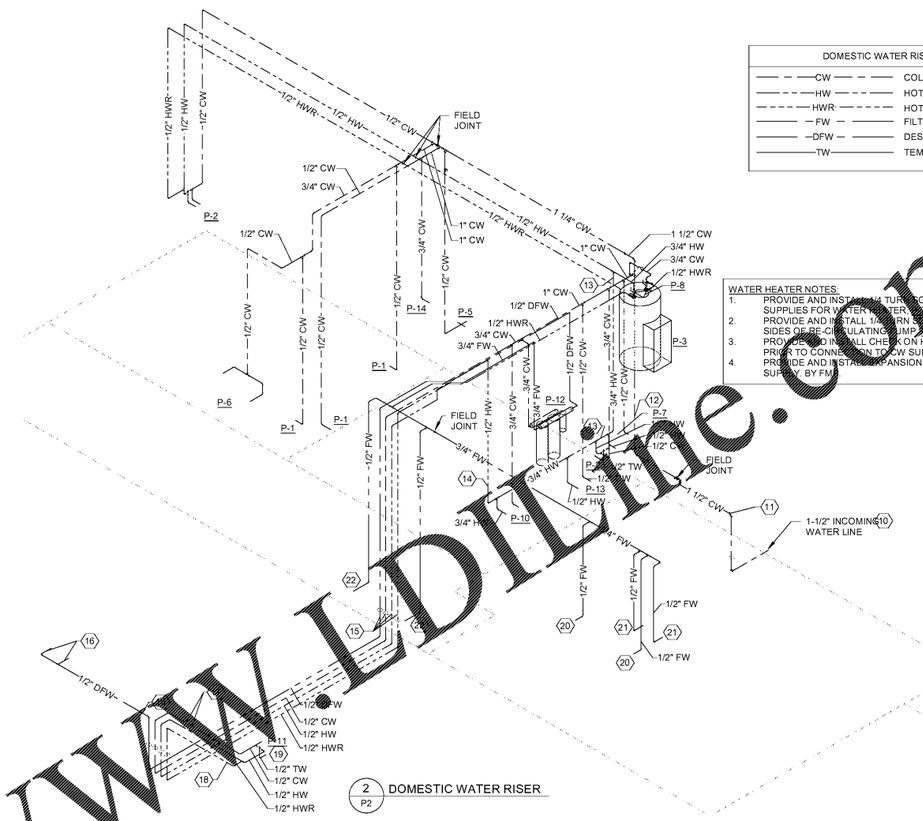


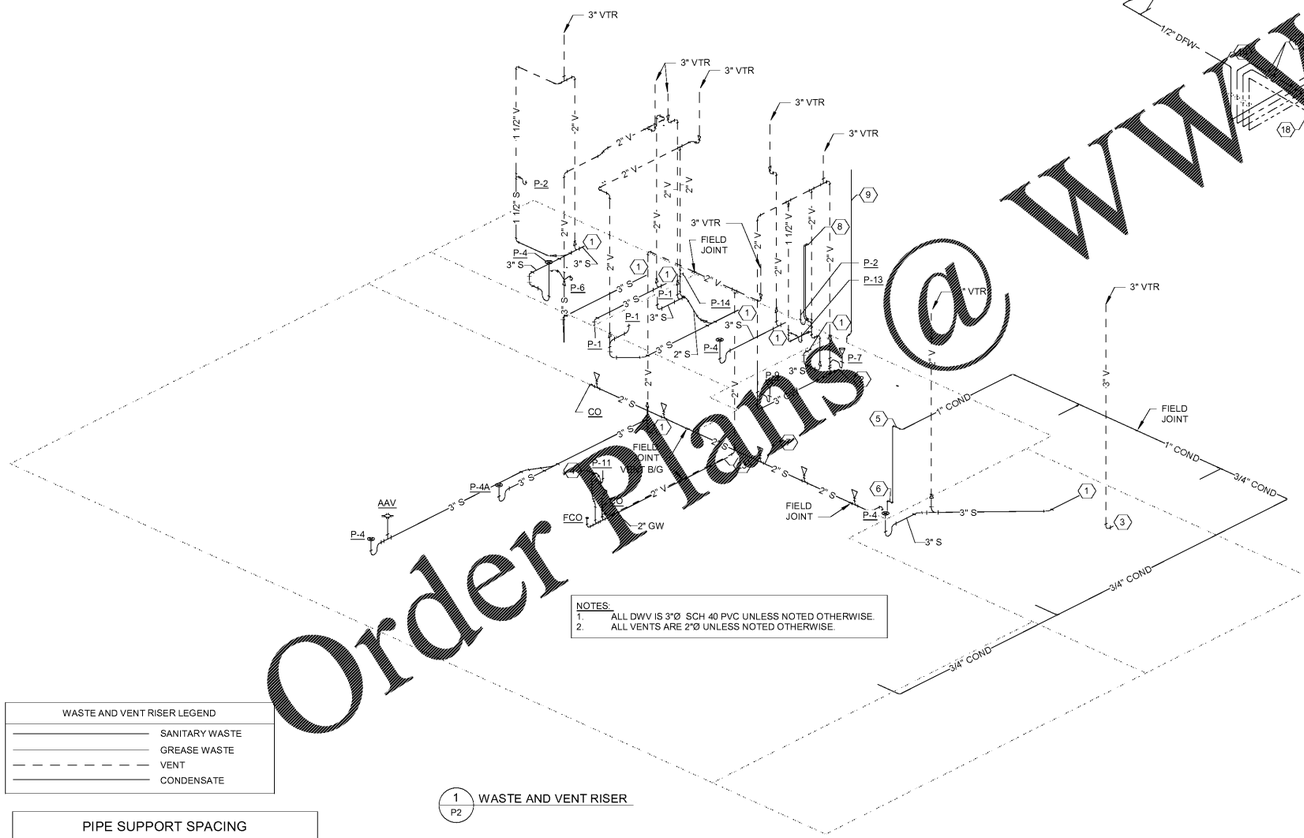
3 / P2 BEVERAGE STATION DRAIN MANIFOLD
N.T.S.



2 / P2 DOMESTIC WATER RISER

DOMESTIC WATER RISER LEGEND	
—— CW ——	COLD WATER
—— HW ——	HOT WATER
—— HWR ——	HOT WATER RETURN
—— FW ——	FILTERED WATER
—— DFW ——	DESCALED FILTERED WATER
—— TW ——	TEMPERED WATER

WATER HEATER NOTES:
1. PROVIDE AND INSTALL 1/4 TURN DV AND UNION ON HW & CW SUPPLIES FOR WATER HEATER, BY P.
2. PROVIDE AND INSTALL 1/4 TURN DV AND UNION OF BOTH SIDES OF RE-CIRCULATING PUMP, P-8, BY FMP.
3. PROVIDE AND INSTALL CHECK ON HWR DOWNSTREAM OF P-8 PRIOR TO CONNECTION TO CW SUPPLY FOR P-3, BY FMP.
4. PROVIDE AND INSTALL EXPANSION TANK FOR P-3 ON CW SUPPLY, BY FMP.



1 / P2 WASTE AND VENT RISER

WASTE AND VENT RISER LEGEND	
——	SANITARY WASTE
——	GREASE WASTE
- - - - - - - - -	VENT
——	CONDENSATE

PIPE SUPPORT SPACING		
	HORIZONTAL	VERTICAL
CPVC ø ≤ 1-1/4"	3'	10'
CPVC ø > 1-1/4"	4'	10'
PVC	4'	10'

KEYNOTES

NO.	DESCRIPTION
1	G.C. CONNECTION TO SANITARY SEWER. REFER TO DETAIL 8/P1 OR 2/P1.
2	G.C. CONNECTION TO GREASE WASTE. REFER TO DETAIL 8/P1.
3	G.C. CONNECTION TO GREASE INTERCEPTOR VENT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
4	ISLAND VENT FOR HANDSINK, P-11. REFER TO DETAIL 12/P1 AND 13/P1.
5	CONDENSATE PIPING THROUGH COOLER WALL.
6	CONDENSATE PIPING THROUGH UTILITY WALL.
7	2" DRAIN MANIFOLD FOR BEVERAGE STATION. PROVIDE 2" AIR GAP FOR ALL EQUIPMENT DISCHARGE TO MANIFOLD. RECEPTERS SHALL BE 6" TO 2" PVC REDUCER. TOP OF REDUCERS SHALL BE MANIFOLD SHALL DISCHARGE TO P-4 THROUGH 2" AIR GAP. G.C. RESPONSIBLE FOR FIELD CONNECTION AT MODULE LINE. REFER TO DETAIL 3/P2.
8	ROUTE 3/4" DRAIN LINE FROM WATER HEATER DRAIN PAN AND SEPEARTE FULL-SIZE PRESSURE RELIEF LINE FROM WATER HEATER DOWN TO P-7 WITH 2" AIR GAP.
9	ROUTE 1" CONDENSATE FROM RTU'S DOWN THRU ROOF INTO WALL. CONDENSATE SHALL STUB THRU WALL AND DISCHARGE TO MOP SINK, P-7, THROUGH AIR GAP.
10	1-1/2" INCOMING WATER LINE. REFER TO DETAIL 7/P1.
11	ROUTE 1-1/2" CW HORIZONTAL TIGHT TO WALL AT 18" AFF, MINIMUM 14" AFF, COORDINATE WITH CONDENSATE DISCHARGING TO MOP SINK.
12	ROUTE 1-1/2" CW UP IN WALL, THEN ROUTE HORIZONTAL ABOVE CEILING.
13	ROUTE 3/4" HW DOWN IN WALL, THEN ROUTE HORIZONTAL LOW IN WALL SO THAT INDIVIDUAL HW SUPPLIES TO FIXTURES ARE LIMITED TO 24' IN LENGTH EACH. COORDINATE WITH ALL TRADES.
14	ROUTE 1/2" HW UP IN WALL, THEN ROUTE HORIZONTAL ABOVE CEILING.
15	FMS TO ROUTE INSULATED 1/2" CW, HW, HWR, AND DFW PIPING DOWN IN WALL THROUGH SLAB, THEN HORIZONTAL UNDER FLOOR THROUGH STEEL.
16	G.C. SHALL EXTEND 1/2" DFW FOR COFFEE MACHINES IN MILLWORK. PROVIDE (2X) 3/8" STUBS WITH 1/4-TURN BALL VALVES.
17	G.C. SHALL EXTEND 1/2" CW & HW TO MIXING VALVE WITHIN MILLWORK. INSTALL MIXING VALVE IN ACCESSIBLE LOCATION WITHIN MILLWORK.
18	G.C. SHALL EXTEND 1/2" HWR WITHIN MILLWORK AND CONNECT TO 1/2" HW UPSTREAM OF MIXING VALVE, WITHIN 12" OF MIXING VALVE.
19	G.C. SHALL ROUTE 1/2" CW & TW FROM MIXING VALVE TO HANDSINK, P-11.
20	INSTALL FILTERED WATER STUBS FOR ICE MACHINES AT 72" AFF.
21	INSTALL FILTERED WATER STUBS FOR BOOSTER PUMPS AT 96" AFF.
22	INSTALL FILTERED WATER STUBS FOR ICEE MACHINES AT 21" AFF.
23	G.C. SHALL MAKE CONNECTION BELOW SLAB TO VENT IN WALL FROM ISLAND SINK. REFER TO RISER ON P2 FOR ADDITIONAL INFORMATION.

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ISSUE RECORD

DATE	REV.	DESCRIPTION
05/29/2020		PERMIT SUBMISSION SET
08/07/2020	1	OUT TO BID SET

PROFESSIONAL SEAL
08/07/2020

PROFESSIONAL IN CHARGE
ROBERT BLAKE SMITH

PROJECT MANAGER
ERIC WONG

QUALITY CONTROL
ERIC WONG

DRAWN BY
AVERY LANE

PROJECT NAME
MURPHY EXPRESS
MURPHY OIL CONVENIENCE STORE
NW CORNER HWY 1 & OAK DRIVE, LEXINGTON SOUTH CAROLINA 29073

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

FMS JOB NUMBER
G20MU00061

FMS MODEL NUMBER
XXXXXX

PROJECT NUMBER
20181975.5

SHEET TITLE
PLUMBING RISER

SHEET NUMBER
P2

PROTO V2.0 11/01/2019

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