

NRD
 ARCHITECTS & ENGINEERS
 3005 CARRINGTON MILL BLVD. SUITE 105
 NORTH CAROLINA 27617
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 A Division of LMHT Associates

REGISTERED PROFESSIONAL ENGINEER
 STATE OF NORTH CAROLINA
 NO. 24177
 LICENSED IN MECHANICAL ENGINEERING
 LICENSE NO. 24177

Hardee's
 HARDEE'S TAKE PROTOTYPE
 143 CHURCH STREET
 BATESBURG-LEESVILLE, SOUTH CAROLINA 29604

NO.	DATE	DESCRIPTION
1	5/22/2017	COORDINATION

DRAWN BY	CHECKED BY	APPROVED BY
BY #1	BY #2	BY #3
BY #4	BY #5	BY #6

DATE: 2-28-17
 SHEET NUMBER:

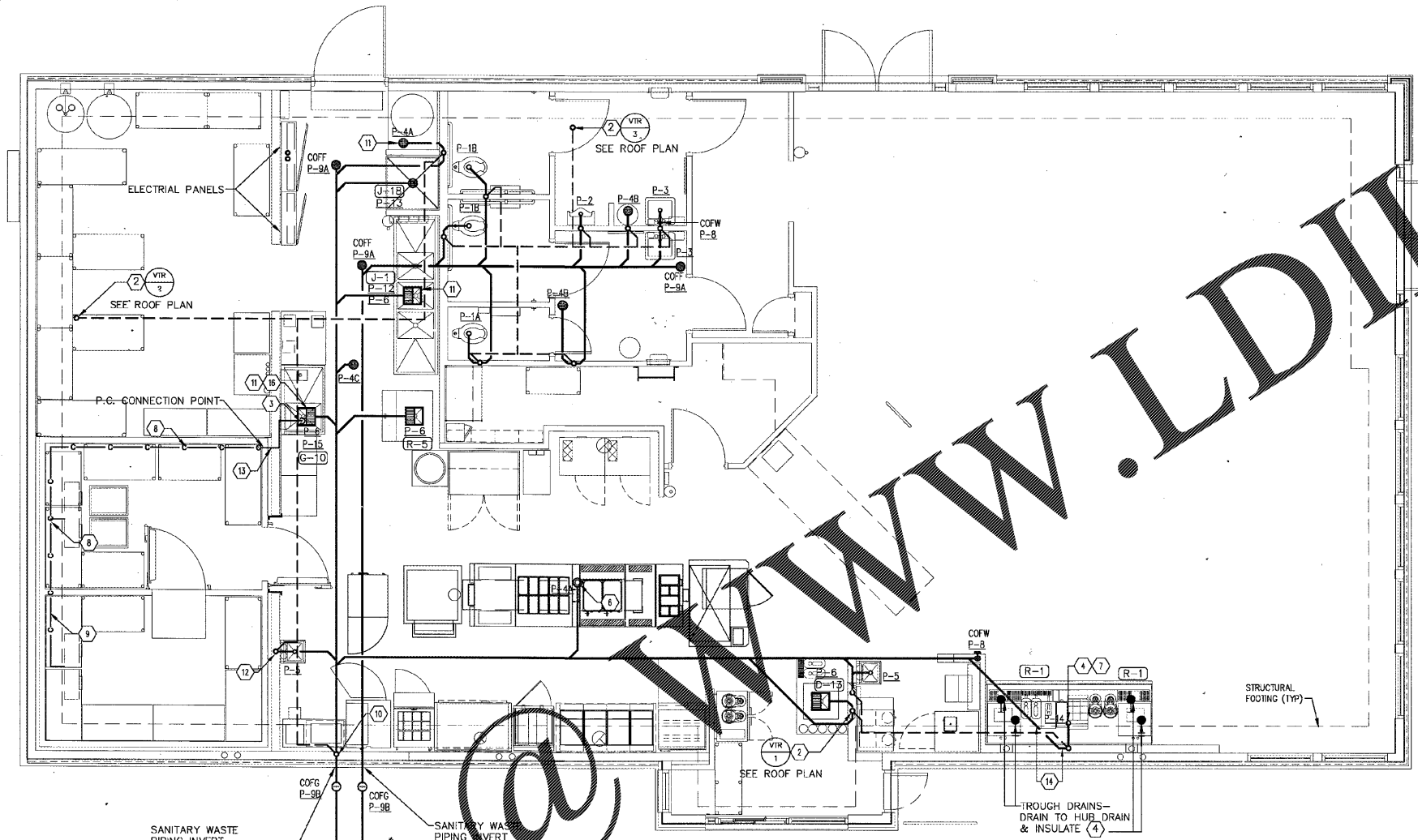
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GENERAL NOTES

- PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATIONS DIVISION 15.
- WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.
- CONTRACTOR MUST CHECK EQUIPMENT NOT IN CONTRACT SO THAT THE SERVICE REQUIREMENTS ARE CORRECTLY TYPED, ADEQUATELY SIZED AND ROUGHED-IN PROPERLY SO AS TO MINIMIZE THE AMOUNT OF WASTE AND FITTINGS NEEDED FOR FINAL HOOK-UP RESULTING IN A NEAT AND ORDERLY LOOKING INSTALLATION.
- CONTRACTOR SHALL FURNISH AND INSTALL SHUT-OFF VALVES ON WATER LINES TO ALL EQUIPMENT. INSTALL 1/2" A.F.F. UNLESS OTHERWISE INDICATED.
- PLUMBING CONTRACTOR TO FURNISH ALL CONDENSATE DRAINS AND INDIRECT WASTE LINES REQUIRED FOR EQUIPMENT.
- CONTRACTOR TO FURNISH AND INSTALL 1/2" (1/4" TO TEA BREWER) FLEXIBLE METAL BRAIDED WATER SUPPLY LINE. FINAL CONNECTION TO EQUIPMENT. SUPPLY LINE SHALL BE 1/2" FLEXIBLE MOVEMENT OF EQUIPMENT.
- RAISE FLOOR DRAINS TO BE LEVEL IN KITCHEN AREA SO EQUIPMENT DOES NOT CAUSE DEPRESSION.

CONSTRUCTION NOTES

- SITE CONTRACTOR TO EXTEND SANITARY LINES TO SEWER MAIN. THIS CONTRACTOR TO COORDINATE LOCATION WITH SITE CONTRACTOR.
- EXTEND 3" SANITARY VENT THRU ROOF. FIELD VERIFY EXACT LOCATION PRIOR TO STARTING WORK. VENT TO BE A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE. LOCATE BEHIND ARCHITECTURAL TOWER ELEMENT AND EXTEND 1'-0" ABOVE TOP OF TOWER IF APPLICABLE.
- 1" PVC CONDENSATE DRAIN LINE BY P.C. TERMINATE INDIRECTLY WITH 2" AIR GAP MIN.
- RUN DRAIN LINES FROM DRINK DISPENSER, COUNTER DRAIN, ICE MACHINE, AND ICE BINS UNDER COUNTER TO HUB DRAIN. MAINTAIN SLOPE TO DRAIN AND PROVIDE 2" AIR GAP. FIELD COORDINATE. SEE DETAIL 21/P7.
- SEE CIVIL DRAWINGS, UTILITY PLAN, FOR ADDITIONAL INFORMATION. COORDINATE WITH SITE CONTRACTOR PRIOR TO STARTING WORK.
- RUN HEAT WELL DRAIN TO THE FLOOR DRAIN W/ FUNNEL PROVIDED UNDER THE MAKEUP TABLE. TERMINATE WITH 2" AIR GAP (MIN.).
- ROUTE SANITARY LINE TO HUB DRAIN BELOW BEVERAGE BAR. SEE DETAIL 21/P7.
- 1" PVC CONDENSATE DRAIN LINE BY FREEZER/COOLER SUPPLIER WITH HEAT TAPE (IN FREEZER) NEAR CEILING-PITCH TOWARD FLOOR SINK
- 3/4" PVC CONDENSATE DRAIN LINE (BY FREEZER/COOLER SUPPLIER) TO FREEZER/COOLER COIL. HEAT TRACE LINES IN FREEZER.
- LOCATE GREASE INTERCEPTOR WITHIN 15' OF VENT IF POSSIBLE.
- ROUTE EQUIPMENT DRAIN INDIRECTLY TO FLOOR RECEPTOR AND TERMINATE WITH AIR GAP TWICE THE DIA. OF EQUIPMENT DRAIN.
- SANITARY WASTE PIPING SHALL DROP TO ROUTE BELOW CONCRETE FOOTING.
- 1" PVC CONDENSATE DRAIN LINE BY P.C. TO FREEZER/COOLER DRAIN CONNECTION POINT.
- SANITARY WASTE PIPING SHALL BE INSTALLED PRIOR TO POURING OF FOOTINGS & SHALL BE ENCASED IN CONCRETE.
- NOT USED.
- FLOOR SINK/HUB DRAIN & ALL ASSOCIATED WASTE PIPING SHALL BE INSTALLED PRIOR TO POURING OF FOOTINGS & SHALL BE ENCASED IN CONCRETE.



SANITARY WASTE PIPING INVERT ELEVATION = 652.44' (-4.06')

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* INVERT DIST. (FT.) BELOW SLAB. E = 656.5'

	L	W	D	Compartments	Capacity (gal)	Number	Rating (gpm)
3-Compartment Sink	24	18	14	3	58.91	1	58.91
					0.00		0.00
					0.00		0.00
Prep Sink	24	18	14	1	19.64	1	19.64
					0.00		0.00
Mop Sink					4	1	4
Floor Sink					4	1	4
Other							0
Other							0
Other							0
Total Flow Rate							86.55 GPM
Retention Time							30 minutes
Grease Interceptor Min. Size							2596.364 gallons

Please note that the following fixtures are also connected to the grease waste line but assumed to have intermittent flow and are not assumed to add to the peak flow of the grease interceptor.

Area Floor Drain	1	1
Area Trench Drains	2	
Handsink	0.5	3
Indirect Drains	1	4
Total Flow Rate		5.00 GPM
Retention Time		30 minutes
		150 gallons

Size Selected **3,000 Gallons**

Note: Calculations based on 2015 International Plumbing Code section 1003.3.4.

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

Order Plans