	PLUMBING ABBREVIATIONS
AC	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
BOP	BOTTOM OF PIPE
BFP	BACKFLOW PREVENTOR
BTU	BRITISH THERMAL UNITS
СА	COMPRESSED AIR PIPING
CC	COOLING COIL
CD	CONDENSATE DRAIN
СО	CLEAN OUT
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
СМ	COFFEE MAKER
СР	CONDENSATE PUMP
CW	DOMESTIC COLD WATER PIPING
DIA	DIAMETER
DCV	DOUBLE CHECK VALVE
DF	DRINKING FOUNTAIN
DN	DOWN (PENETRATES FLOOR SLAB)
E	EXISTING
ER	EXISTING TO REMAIN
ETR	EXISTING TO BE RELOCATED
EWC	ELECTRIC WATER COOLER
	EMERGENCY SHOWER
EMSH	
FD	FLOOR DRAIN
FS	FLOOR SINK
FU	FIXTURE UNIT
FT	FEET
G	NATURAL GAS OR LIQUID PROPANE PIPING
GC	GENERAL CONTRACTOR
GAL	GALLONS
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSE POWER
HW	HOT WATER PIPING
HWH	HOT WATER HEATER
HWR	HOT WATER RETURN PIPING
IW	INDIRECT WASTE
LAV	LAVATORY
NC	NORMALLY CLOSED
NG	NATURAL GAS PIPING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
MBH	THOUSAND BTU PER HOUR
MS	MOP SINK
PC	PUMPED CONDENSATE
PD	PUMPED DISCHARGE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTOR ASSEMBLY
SAN	SANITARY PIPING
SH	SHOWER
SK	SINK
	SQUARE FEET
SUFI	TRAP PRIMER
SQ FT	
TP	
TP TYP	TYPICAL
TP TYP UR	URINAL
TP TYP UR V	URINAL VENT PIPING
TP TYP UR	URINAL

PLUM	BING P
	NEW COLD W
	EXISTING COL
	NEW HOT WA
	EXISTING HOT
	NEW HOT WA
	EXISTING HOT
	NEW SANITAR
	EXISTING SAN
	NEW SANITAR
	EXISTING SAN
-FOG-	FATS, OILS A
	NEW CONDEN
CD	EXISTING CON
G	NATURAL GAS
	PIPING BELOW
	EXISTING PIPI
·	FLOOR CLEAN
	CLEANOUT
	P-TRAP
•	FLOOR DRAIN
	FLOOR SINK
~ <u>~</u> ~	ELBOW TURNE
	ELBOW TURNE
	BOTTOM PIPE
	TOP PIPE CO
Ę	CAPPED PIPE
	CAPPED AND
	PITCH PIPE D
	SHUT-OFF V
	CHECK VALVE
	PRESSURE RE
M	WATER METER
	BACKFLOW PF
	FREEZE PROC
$\bigcirc$	PUMP
	NEW EQUIPME
¥-¥ ⊻-¥	EXISTING EQU
Г      Е	EXISTING EQU
⊢−¬ └ └ ETR	EXISTING EQU
$\langle \mathbf{x} \rangle$	MECHANICAL
	REVISION SYM
•	POINT OF NE
	REMOVE AND

IG PIPING SYMBOL LIST	GENERAL NOTES
COLD WATER PIPING	1. THESE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO
TING COLD WATER PIPING TO REMAIN	CONVEY THE SCOPE OF WORK AS WELL AS INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, AND PIPING. THE CONTRACTOR SHALL ADHERE TO THESE DRAWINGS AS CLOSELY AS POSSIBLE. HOWEVER, THE RIGHT IS RESERVED TO
HOT WATER PIPING	VARY THE RUNS OF PIPING AND TO MAKE OFFSETS, WHERE NECESSARY, TO ACCOMMODATE CONDITIONS ARISING AT THE JOB SITE. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR
TING HOT WATER PIPING TO REMAIN	APPROVAL. NO WORK SHALL BE PERFORMED PRIOR TO RECEIPT OF EQUIPMENT AND PIPING FABRICATION DRAWING APPROVAL.
HOT WATER RETURN PIPING	2. ANY MATERIAL, WORK OR INCIDENTAL ACCESSORIES OR MINOR DETAILS NOT SHOWN BUT NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS
TING HOT WATER PIPING TO REMAIN	AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SHOWN ON THE DRAWINGS, SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
SANITARY PIPING	3. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW INDIVIDUAL BRANCH PIPING
TING SANITARY PIPING TO REMAIN	TO EACH PLUMBING FIXTURE: ONLY BRANCH PIPING TO GROUPS OF FIXTURES IS INDICATED. EACH AND EVERY FIXTURE SHALL BE PROPERLY PIPED TO WATER, WASTE AND VENT PIPING SYSTEMS. FOR INDIVIDUAL PIPE SIZES TO
SANITARY VENT PIPING	EACH FIXTURE, REFER TO THE PLUMBING FIXTURE SCHEDULE. 4. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL PLUMBING WORK WITH
TING SANITARY VENT PIPING TO REMAIN	ALL OTHER TRADES INCLUDING, BUT NOT LIMITED TO, ELECTRICAL, HVAC, SPRINKLER STRUCTURAL AND GENERAL ARCHITECTURAL.
S, OILS AND GREASE PIPING	5. WHERE PIPING CONNECTIONS FOR EQUIPMENT DIFFER FROM THE LINE SIZE PIPING. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO
CONDENSATE DRAIN PIPING	FURNISH AND INSTALL THE NECESSARY REDUCER/EXPANDER FITTINGS TO ENABLE CONNECTION BETWEEN THE PIPING SYSTEM AND THE EQUIPMENT.
TING CONDENSATE DRAIN PIPING TO REMAIN	6. ALL PIPING LOCATED ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT BE SUPPORTED BY THE CEILING TILES OR
URAL GAS OR LIQUID PROPANE PIPING	CEILING STRUCTURE. 7. PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO
NG BELOW GRADE	INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON THE DRAWINGS.
TING PIPING TO BE DEMOLISHED	ALL VALVES SHALL BE ACCESSIBLE. 8. PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT ENDS OF
DR CLEANOUT	RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED. ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE FOR PIPE 6 INCHES AND SMALLER AND SHALL
ANOUT	BE 6 INCHES FOR PIPE SIZES LARGER THAN 6 INCHES
RAP	9. COORDINATE MOUNTING HEIGHTS OF PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS.
DR DRAIN	10. ALL PIPING SHALL SLOPE TO LOW POINTS. PROVIDE HOSE AND DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS.
DR SINK	11. ALL WATER PIPING RUNNING ABOVE ELECTRICAL SERVICES SHALL BE PROVIDED WITH DRAIN PAN UNDERNEATH. PIPING FROM DRAIN PAN SHALL EXTEND TO NEAREST FLOOR DRAIN.
DW TURNED UP	12. ALL OPENINGS THRU FIRE RATED WALLS OR FLOORS SHALL BE SEALED WITH
DW TURNED DOWN	AN APPROVED FIREPROOFING MATERIAL TO MAINTAIN THE INTEGRITY OF THE WALL OR FLOORS.
TOM PIPE CONNECTION	13. PROVIDE TRAP PRIMER FOR EACH FLOOR DRAIN AND HUB DRAIN. CONNECT TRAP PRIMER TO NEAREST COLD WATER MAIN; PROVIDE ISOLATION VALVE AND EXTEND TO FLOOR DRAIN AS REQUIRED.
PIPE CONNECTION	14. PROVIDE CONDENSATE DRAINS FOR ALL COOLING COILS; PIPE BY GRAVITY TO
PED PIPE	INDIRECT WASTE. 15. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO
PED AND VALVE CONNECTION	PUMPS AND OTHER EQUIPMENT WHICH REQUIRED VIBRATION ISOLATION, EXCEPT WATER COILS. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE.
TH PIPE DOWN IN DIRECTION OF ARROW	16. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF
T-OFF VALVE (GATE OR BALL VALVE SEE SPECS)	EQUIPMENT, IN BYPASSES AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
CK VALVE	17. ALL PIPING SHALL BE INSTALLED TIGHT TO THE BOTTOM OF STEEL AT ALL TIMES UNLESS OTHERWISE INDICATED OR REQUIRED BY FIELD CONDITIONS.
SSURE REDUCING VALVE	18. INSTALL WATER HAMMER ARRESTERS ON ALL PIPING SERVING QUICK CLOSING VALVES.
ER METER	19. PROVIDE GAUGE FITTINGS AND THERMOMETER WELLS AT HOT WATER SUPPLY AND RETURN BRANCHES AND AT PUMP INLETS AND OUTLETS.
KFLOW PREVENTER	20. ALL PIPING OF DISSIMILAR MATERIALS SHALL HAVE DIELECTRIC FITTINGS.
EZE PROOF HOSE BIBB	
P	
EQUIPMENT	
TING EQUIPMENT TO BE REMOVED	
TING EQUIPMENT TO REMAIN	
TING EQUIPMENT TO BE RELOCATED	
HANICAL PLAN NOTE TAG	
SION SYMBOL	
IT OF NEW CONNECTION TO EXISTING WORK	
OVE AND SAFE OFF EXISTING WORK FOR RECONNECTION	

# **DEMOLITION NOTES**

1. DEMOLITION NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS.

2. ALL PIPING IN WALLS AND FLOORS NOT TO BE REUSED WILL BE PLUGGED OR CAPPED AND CUTTING AND PATCHING WILL BE PERFORMED TO RESTORE SURFACE TO ORIGINAL CONDITION BY THIS CONTRACTOR.

3. AFTER REMOVING PIPING THROUGH FLOOR SLABS, PENETRATIONS SHALL BE PATCHED WITH APPROVED FIRE-RATED MATERIAL.

4. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF PLUMBING WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.

5. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.

6. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.

7. THE CONTRACTOR SHALL REMOVE ALL PIPING SUPPORTS, ECT. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN. THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS NECESSARY.

8. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORTS FOR ALL EXISTING PIPING TO REMAIN THAT IS AFFECTED BY DEMOLITION OF THE EXISTING CEILING AND PARTITIONS.

9. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERNATION WORK SHALL BE REROUTED CONCEALED BEHIND FINISHED SURFACES.

10. PORTIONS OF PIPING TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.

11. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.

12. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE PLUMBING CONTRACTOR, AS DIRECTED BY THE OWNER.

13. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.

14. THE SHUTDOWN OF EXISTING BUILDING PLUMBING SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

15. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE & LOCAL REQUIREMENTS.

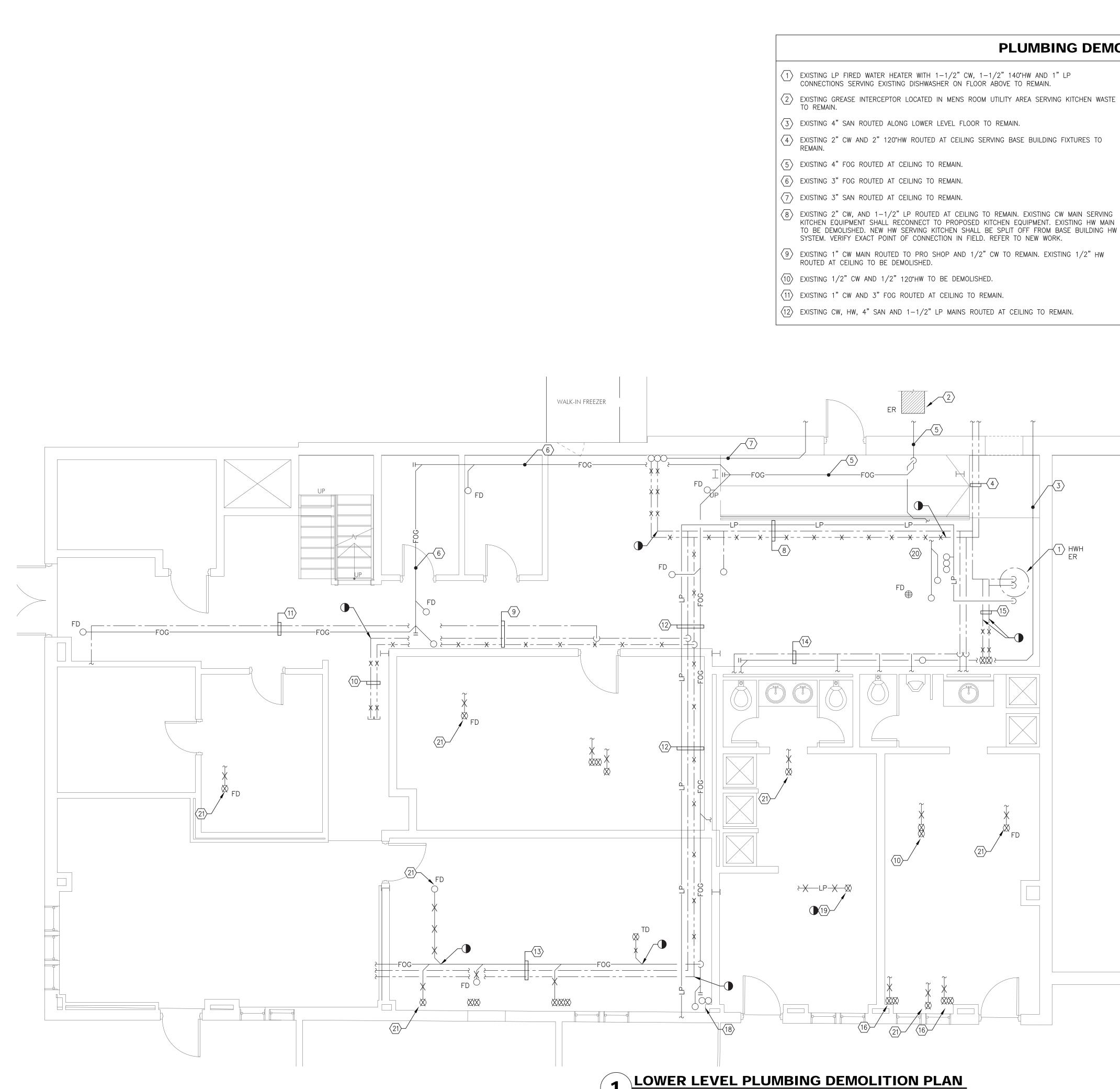
16. VERIFY LP OR NG CONNECTION TO EQUIPMENT BEING INSTALLED OR RELOCATED PRIOR TO DEMOLITION AND RELOCATION. PER FACILITIES ALL EQUIPMENT EXISTING IS LP FED FROM THREE (3) EXISTING 1,000 GAL LP TANKS LOCATED BELOW GRADE AT SITE. COORDINATE WITH LATEST KITCHEN DESIGNER DRAWINGS AND SCHEDULES.

17. COORDINATE POTENTIAL CONFLICTS WITH EXISTING FLOOR DRAINS IN KITCHEN WITH NEW AND RELOCATED KITCHEN EQUIPMENT. RELOCATE OR PROVIDE NEW DRAINS WHERE CONFLICT OCCURS. COORDINATE WITH LATEST ARCHITECTURAL AND KITCHEN DESIGNER DRAWINGS PRIOR TO WORK. PATCH AND REPAIR PENETRATIONS.

# PLUMBING DRAWING INDEX

DRAWING NO.	DRAWING TITLE
P001.00	PLUMBING NOTES AND LEGENDS
P100.00	LOWER LEVEL PLUMBING DEMOLITION PLAN
P101.00	KITCHEN PLUMBING DEMOLITION PLAN
P102.00	TERRACE PLUMBING DEMOLITION PLAN
P200.00	KITCHEN EQUIPMENT SCHEDULE
P201.00	LOWER LEVEL PLUMBING PLAN
P202.00	KITCHEN PLUMBING PLAN
P203.00	ROOF PLUMBING PLAN
P204.00	TERRACE PLUMBING PLAN
P205.00	BAR PLUMBING PART PLANS
P300.00	PLUMBING SCHEDULES
P301.00	PLUMBING DETAILS
P400.00	KITCHEN RISER DIAGRAMS (SHEET 1 OF 2)
P401.00	KITCHEN RISER DIAGRAMS (SHEET 2 OF 2)
P500.00	PLUMBING SPECIFICATIONS

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



- KITCHEN EQUIPMENT SHALL RECONNECT TO PROPOSED KITCHEN EQUIPMENT. EXISTING HW MAIN TO BE DEMOLISHED. NEW HW SERVING KITCHEN SHALL BE SPLIT OFF FROM BASE BUILDING HW
- 9 EXISTING 1" CW MAIN ROUTED TO PRO SHOP AND 1/2" CW TO REMAIN. EXISTING 1/2" HW

TO REMAIN.

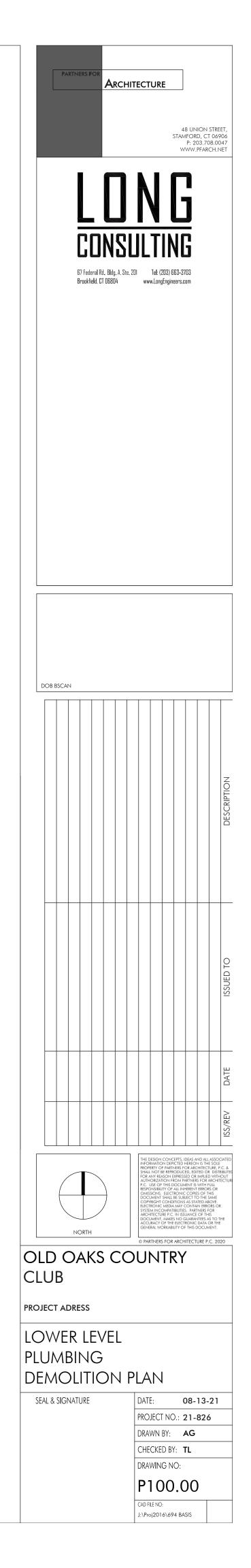
DEMOLITION.

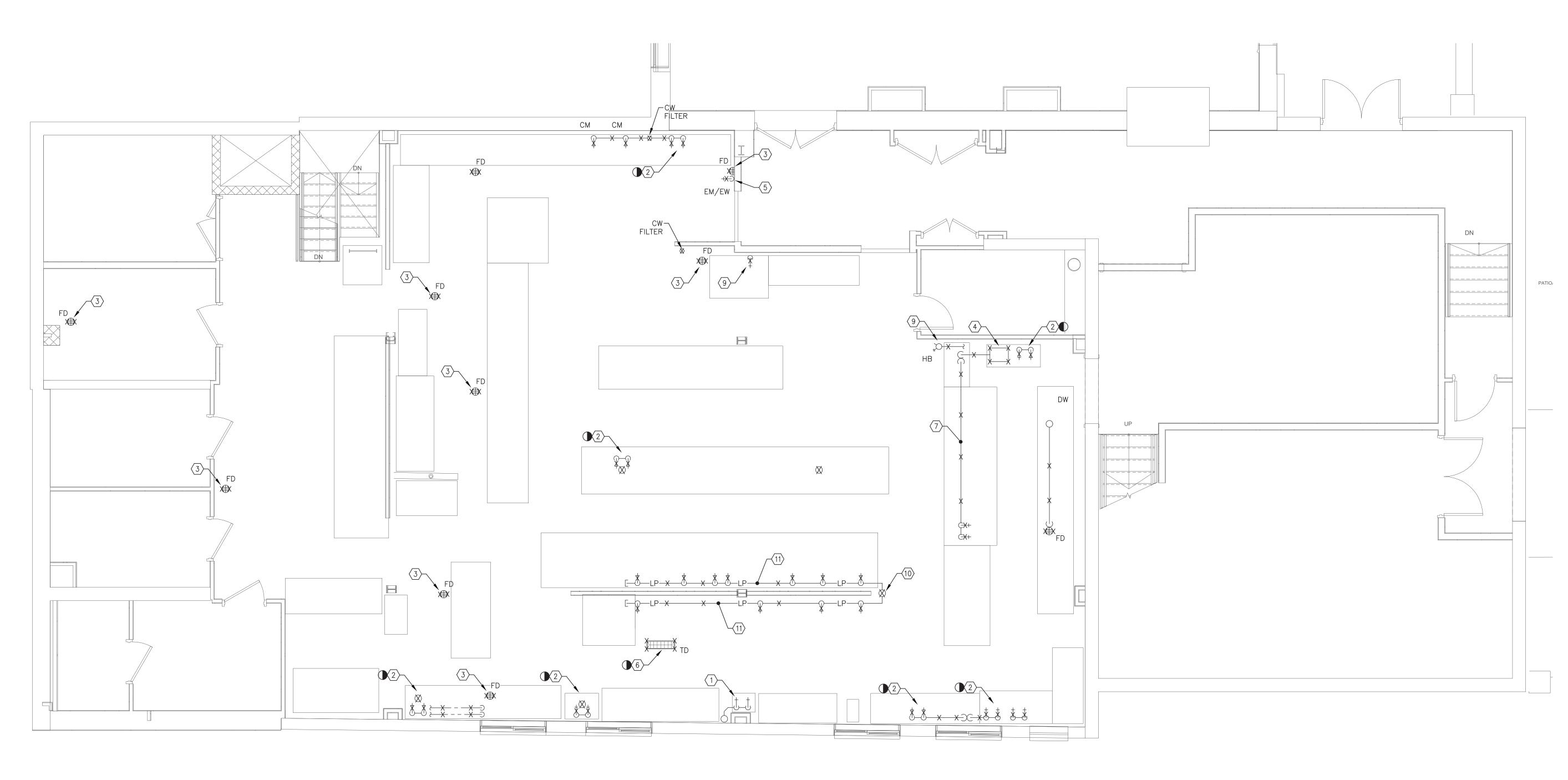
 $\langle 13 \rangle$  EXISTING CW, HW AND 3" SAN ROUTED AT CEILING TO REMAIN.

(14) EXISTING 1-1/2" CW, 1" HW AND 4" SAN ROUTED ALONG WALL SERVING EXISTING FIXTURES

- (15) EXISTING CW AND HW MAINS SERVING DISHWASHER TO REMAIN. CONNECTIONS ROUTED UP TO DISHWASHER TO BE DEMOLISHED. NEW CONNECTIONS SHALL BE PROVIDED FOR NEW DISHWASHER LOCATION. REFER TO NEW WORK.
- (16) EXISTING CW AND HW ROUTED UP TO BE DEMOLISHED. VERIFY AREAS SERVING PRIOR TO
- $\langle 17 \rangle$  EXISTING SAN ROUTED UP TO REMAIN.
- $\langle 18 \rangle$  EXISTING CW, HW AND SAN ROUTED UP TO REMAIN.
- $\langle 19 \rangle$  EXISTING 2" LP ROUTED UP TO BE DEMOLISHED.
- 20 EXISTING 120°HW MAIN SERVING KITCHEN SHALL BE CUT AND DISCONNECTED FROM BASE BUILDING SYSTEM. VERIFY EXISTING FIXTURES IN BATHROOMS AND AREAS NOT IN CONTRACT ARE NOT AFFECTED BY WORK. VERIFY IN FIELD EXACT LOCATION TO DISCONNECT AND SAFE-OFF FOR RECONNECTION TO NEW HOT WATER HEATING EQUIPMENT.

 $\langle 21 \rangle$  existing san routed up to be demolished. Patch and repair slab.





## PLUMBING DEMOLITION PLAN NOTES

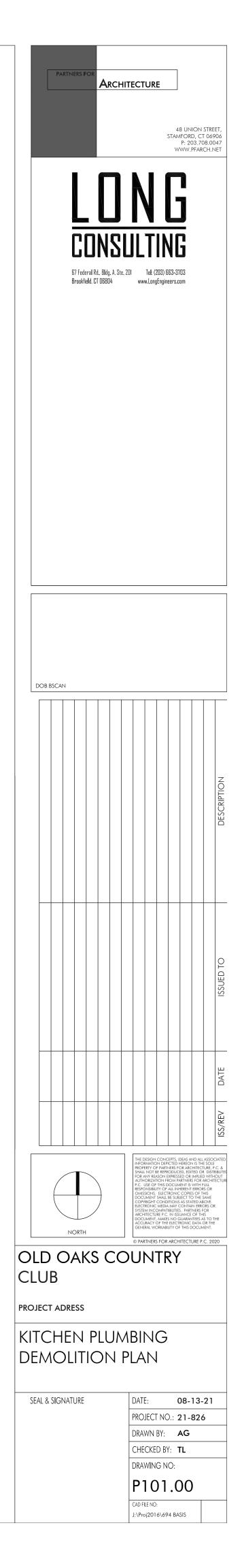
I PEXISTING CW, HW, SPWITH NEW FIXTURE.
 (2) EXISTING CW, HW, SPDEMOLISH EXISTING C
 (3) EXISTING FLOOR DRAREPAIR SLAB.
 (4) EXISTING FLOOR MOLEBE DEMOLISHED AND SAN POST UNIT ROUREPAIR SLAB.
 (5) EXISTING EMERGENCY
 (6) EXISTING TROUGH DREPAIR SLAB.
 (7) EXISTING TROUGH DREPAIN SAN AND
 (7) EXISTING 3" SAN ROAND CAP IN FLOOR.
 (8) EXISTING HOSE BIBB
 (9) EXISTING CW AND FILIIN FLOOR. PATCH AN
 (10) EXISTING 2" LP MAIN

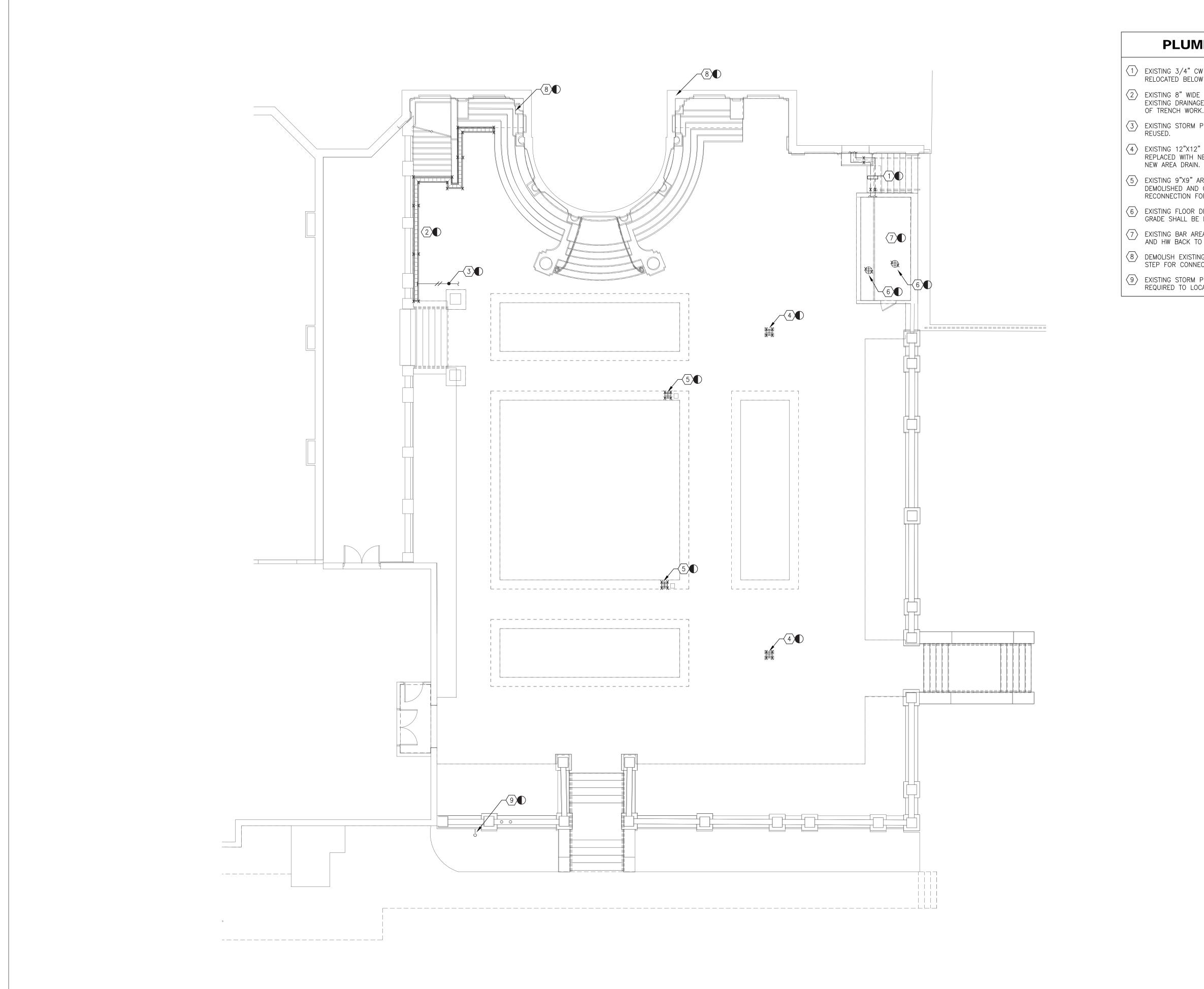
DEMOLISHED.

# **KITCHEN PLUMBING DEMOLITION PLAN**

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

- (1) EXISTING CW, HW, SAN AND VENT CONNECTIONS SERVING FIXTURE TO REMAIN AND BE REUSED WITH NEW FIXTURE.
- EXISTING CW, HW, SAN AND VENT CONNECTIONS SERVING FIXTURE TO BE BE DEMOLISHED. DEMOLISH EXISTING CW, HW AND SAN CONNECTIONS, CAP IN FLOOR. PATCH AND REPAIR SLAB.
   EXISTING FLOOR DRAIN TO BE DEMOLISHED. DEMOLISH SAN AND CAP IN FLOOR. PATCH AND
- EXISTING FLOOR MOUNTED SMALL GREASE INTERCEPTOR USED AS PRE-TREATMENT AT SINK TO BE DEMOLISHED AND REPLACED IN KIND. REFER TO NEW WORK FOR UNIT LOCATION. DEMOLISH SAN POST UNIT ROUTED TO FLOOR BELOW. DEMOLISH SAN AND CAP IN FLOOR. PATCH AND
- 5 EXISTING EMERGENCY EYEWASH TO BE DEMOLISHED.
- 6 EXISTING TROUGH DRAIN SERVING KITCHEN EQUIPMENT DISCHARGE TO BE DEMOLISHED. DEMOLISH SAN AND CAP IN FLOOR. PATCH AND REPAIR SLAB.
- $\langle 7 \rangle$  EXISTING 3" SAN ROUTED ALONG FLOOR SERVING FIXTURE TO BE DEMOLISHED. DEMOLISH SAN AND CAP IN FLOOR. PATCH AND REPAIR SLAB.
- 8 EXISTING HOSE BIBB AND WATER CONNECTION TO BE DEMOLISHED.
- 9 EXISTING CW AND FILTER SERVING ICE MACHINE TO BE DEMOLISHED. DEMOLISH CW AND CAP IN FLOOR. PATCH AND REPAIR SLAB.
- (10) EXISTING 2" LP MAIN ROUTED DOWN TO BE DEMOLISHED. PATCH AND REPAIR SLAB.
- (11) EXISTING 1-1/2" LP MAIN ROUTED ALONG WALL SERVING LP FIRED KITCHEN EQUIPMENT TO BE







# **TERRACE PLUMBING DEMOLITION PLAN**

# PLUMBING DEMOLITION PLAN NOTES

 $\langle 1 \rangle$  EXISTING 3/4" CW AND HW ROUTED 1'-0" ABOVE GRADE TO EXISTING BAR AREA TO BE RELOCATED BELOW GRADE. REFER TO NEW WORK FOR ROUTING.

(2) EXISTING 8" WIDE TRENCH DRAIN SYSTEM TO BE DEMOLISHED AND REPLACED WITH NEW. EXISTING DRAINAGE AND TRENCH TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF TRENCH WORK.

(3) EXISTING STORM PIPE SERVING TRENCH DRAINAGE ROUTED BELOW PAVERS TO REMAIN AND BE

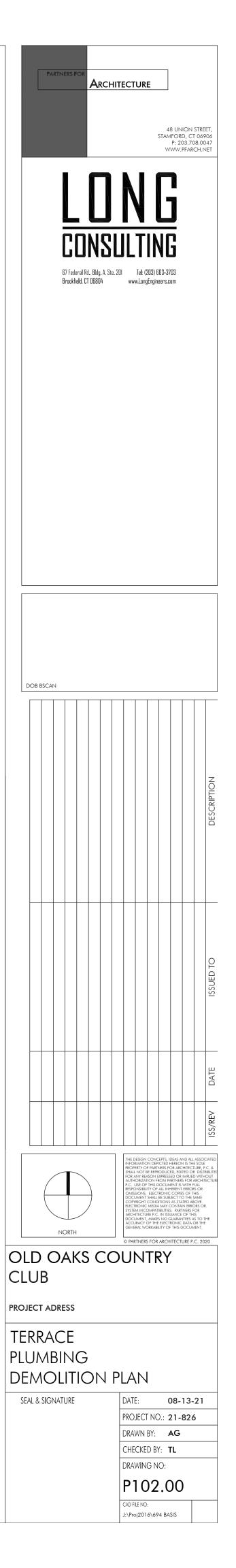
(4) EXISTING 12"X12" AREA DRAIN WITH STORM ROUTED BELOW PAVERS TO BE DEMOLISHED AND REPLACED WITH NEW. REUSE STORM MAIN BELOW PAVERS AS POINT OF RECONNECTION FOR

5 EXISTING 9"X9" AREA DRAIN TO BE DEMOLISHED. EXISTING STORM SERVING AREA DRAIN TO BE DEMOLISHED AND CAPPED BELOW PAVERS. REUSE STORM MAIN BELOW PAVERS AS POINT OF RECONNECTION FOR NEW AREA DRAIN.

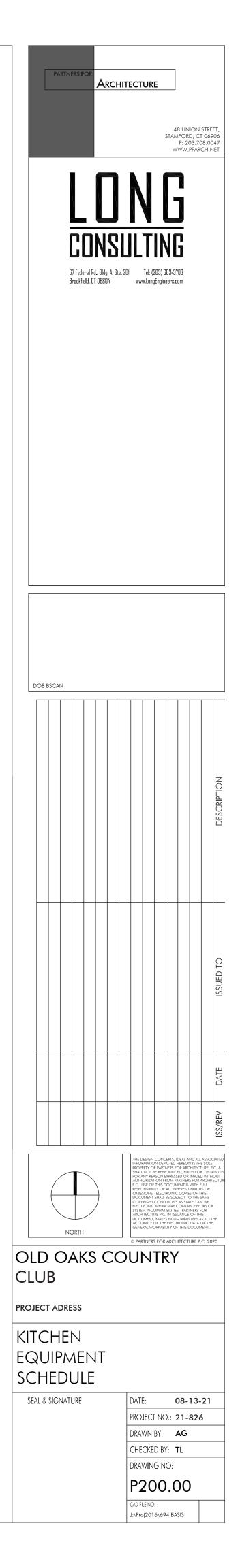
6 EXISTING FLOOR DRAIN IN BAR AREA TO BE DEMOLISHED. EXISTING STORM ROUTED BELOW GRADE SHALL BE DEMOLISHED AND CAPPED IN FLOOR.

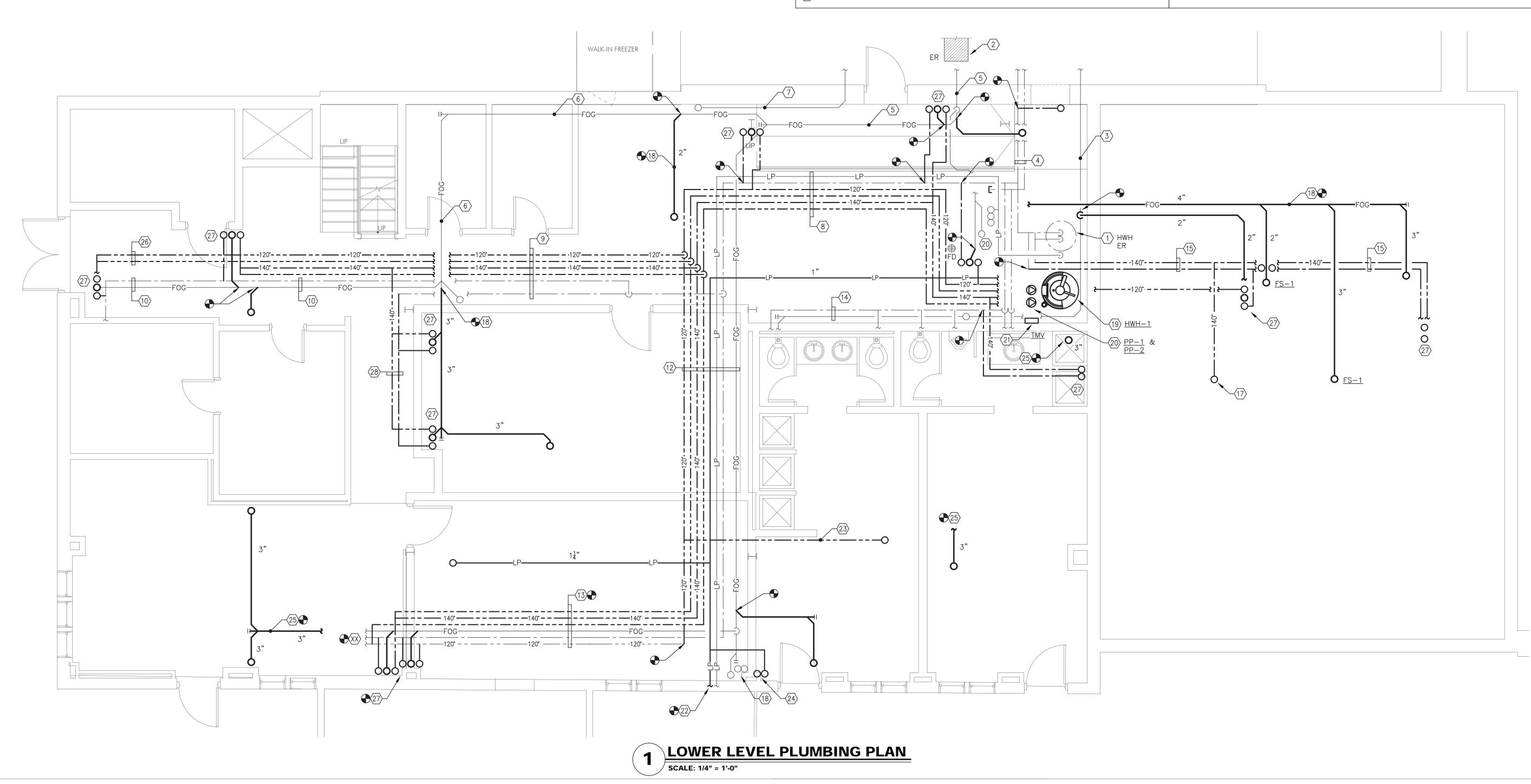
TEXISTING BAR AREA AND ASSOCIATED CW, HW AND SAN SHALL BE DEMOLISHED. DEMOLISH CWAND HW BACK TO MAINS. EXISTING SAN SHALL BE DEMOLISHED AND CAPPED IN FLOOR. 8 DEMOLISH EXISTING GUTTERS ROUTED OVER TOP OF STAIRS. TERMINATE GUTTER ABOVE TOP STEP FOR CONNECTION TO NEW STORM PIPING.

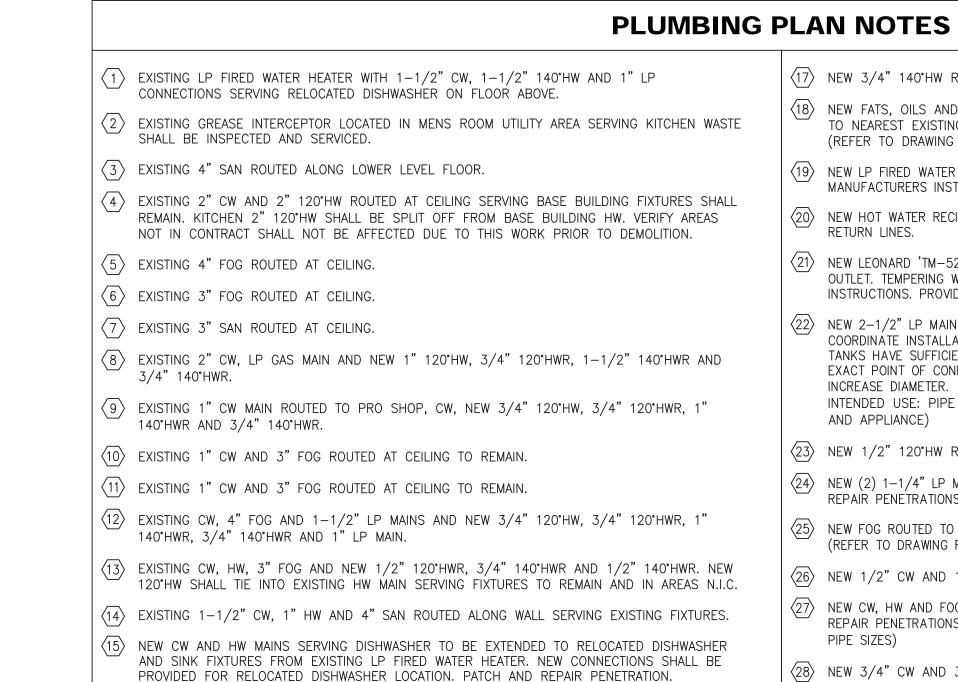
(9) EXISTING STORM PIPING FROM TERRACE. ADJUST ELEVATION STORM PIPING AND OUTLET AS REQUIRED TO LOCATE STORM PIPING BELOW NEW RAMP. VERIFY ROUTING IN FIELD.



			FOOD SEF	NICL LQ			IILDULL			1						
ltem Qty	Category	Manufacturer	Model	tage	Phase	sdu	Kw	Нр	Direct Drain Size (in.)	Indirect Drain Size (in.)	ङ Circuit	Circuit		t Water :e (in.)	Cold Water Size (in.) Gas Size (in.) MBTUH	Equipment Remarks
± 0 1 1	SOILED DISHTABLE W/ SOAKSINK, PRE-	T&S	B-0300-LN	- Volta	-	- Am	-	-	- -	_⊆ :⊼ (3)1−1/2	<u> </u>	Breaker —	_	- Ho		REPLACE FAUCET W/ T&S B-0300LN
2 1 3 1	RINSE SINK, SCRAPTROUGH         CONVEYOR DISHWASHER         CLEAN DISHTABLE	CMA DISHMACHINE	SCMA-EST-66H -	208	3	58.0 -		-	-	2"	– K2(1,3,5) – –	60A, 3P –	(4)#6 + #10 GRD. IN 1"C. _	1/2"	 	W/ 133X 
4 5 5 1	BOOSTER HEATER POT FILTER FAUCET	HUBBELL T&S –	J645R B-0592	208	3	-	45 -	-	-	-	– K2(7,9,11) – –	200A, 3P -	(4)#3/0 + #6 GRD. IN 2-1/2"C -	-	1/2" – –	3/4" OUTLET TO ITEM 2 -
6 1 7 1 8 1	DISH DOLLIES DISH STORAGE SHELVING 3 COMPARTMENT POT SINK	– METRO GOLDENSTEIN	- - T&S B-3970, B-0231, B-0133, B-0156		-	_ _ _	_ _ _	-	- - -	- - 2"	 			  1/2"	  1/2"	
9 1 10 1 11 1	DISH CABINET SANDWICH UNIT REFRIGERATOR DISH CABINET	GOLDENSTEIN CONTINENTAL GOLDENSTEIN		_ 115 _	- 1 -	- 6.1 -	_ _ _	-	_ _ _	- - -	-         -           X         K1(1)           -         -	 20A, 1P 	(2)#12 + #12 GRD. IN 3/4"C. 	-	 	
12 1	COOKS WORK TABLE	GOLDENSTEIN ATLAS METAL	- WIH-4	- 208	-	- 16.4	- 3.4	-	-	- 1"	 X K1(3,5)	- 20A, 2P	- (3)#12 + #12 GRD. IN 3/4"C.	1/2"		W/ CUT OUT FOR STEAM TABLE W/ T&S B-0305 FAUCET W/ DRAINS TO SINGLE MANIFOLD
14 5 15 1	COOKS WORK TABLE WORKTOP FREEZER	GOLDENSTEIN	 CFA68_D	_ 115	-	_ 10.7		-	-		<u>– –</u> Х К1(7)			-	 	W/ L-6-30P PLUG & CORD - W/ 5-15 PLUG & CORD W/ CASTERS
16     1       17     1       18     1	RANGE HOOD SUPPLY FAN EXHAUST FAN	LARKIN – –	EO-FPSP 	115 - -	1 - -	- - -	_ _ _	- - -	X 	X	- K1(9)  	20A, 1P 	(2)#12 + #12 GRD. IN 3/4"C. 			– N.I.C N.I.C
19     1       20     1       21     1	COMBINATION TOP RANGE FIRE SUPPRESSION SYSTEM OPEN BURNER TOP RANGE	GARLAND ANSUL GARLAND	MST-42R R-102 MST-42R	-	-	_ _ _	-	-	-		 			-		EXISTING – RELOCATED – VERIFY TYPE OF GAS GAS VALUE SIZE BY MEP'S VERIFY TYPE OF GAS
21         1           22         1           23         1	OPEN BURNER TOP RANGE OPEN BURNER TOP RANGE FRYER	GARLAND PITCO	MST-42R 5G-14		-	_ _ _	_ _ _	-	_ _ _	-	 	-		-	- 1-1/4" 180	VERIFY TYPE OF GAS LP GAS – EXISTING – RELOCATE
24     1       25     1	FRYER GRIDDLE W/ BROILER BASE	PITCO MONTAGUE	5G-14 -	-	-	-	-	-	-	-	 			-	- 3/4" 110 - 1-1/4" 100	LP GAS VERIFY TYPE OF GAS
26 1 27 2	RANGE W/ OVEN & BROILER ABOVE SELFCOOKING CENTER	GARLAND PITCO	M-100XRM SG14	208	3	_ 59.0	_	-	X	- X	– – – – K1(79,81,83) – K1(44,46,48)		(4)#4 + #8 GRD. IN 1-1/4"C.	-		VERIFY TYPE OF GAS –
28     1       29     1       30     1	HAND WASH SINK POT & PAN SHELVING SUPPLY PLENUM	ADVANCE METRO LARKIN	7-PS-131 - FPSP		-	_ _ _		-	1-1/2" _	- - -	 			1/2"	1/2" – – – – –	INCLUDES TOWEL CAB. & SOAP DISP. – –
30         1           31         1           32         1	WOODTOP BAKERS TABLE S/S TOP BAKERS TABLE	GOLDENSTEIN GOLDENSTEIN		_ _ _	-	_ _ _	_ _ _	-	-	-	 			-		
33     1       34     1       75     1	INGREDIENT BINS HAND WASH SINK	GOLDENSTEIN ADVANCE	- 7-PS-131	-	-	-	-	-	- 1-1/2"	- -	 			_ 1/2"		EXISTING – RELOCATE INCLUDES TOWEL CAB. & SOAP DISP.
35         1           36         1           37         1	60 QT MIXER 1 COMPARTMENT POT SINK REACH—IN REFRIGERATOR	HOBART GOLDENSTEIN CONTINENTAL	HL600 T&S B-23 2RN	208 - 115	3	10.0 - 6.9	-	-	X 	X 1-1/2"	- K1(11,13,15)  X K1(17)	) 20A, 3P - 20A, 1P	(4)#12 + #12 GRD. IN 3/4"C. - (2)#12 + #12 GRD. IN 3/4"C.	 1/2"	 1/2"	CHECK EXISTING PLUG & CORD W/ T&S B-231 FAUCET & LEVER WASTE 5-15 PLUG & CORD W/ CASTERS
38 1 39 1	PAN RACKS MOBILE S/S SALAD & DESSERT TABLE	_ GOLDENSTEIN		-	-	_ _	-	-	-	_ 1-1/2"				_ 1/2"	  1/2"	EXISTING – RELOCATE W/ T&S B-231 FAUCET AND BASKET WASTES
40         1           41         1           42         1	S/S OVERSHELVES FOR ITEM 39 MEAT SLICER S/S DEFROST SINK	GOLDENSTEIN HOBART	2712	 120 	- 1 -	_ _ _	_ _ _	- 1/2 -	_ _ _	 2"	X K1(19)	 20A, 1P 		 		W/ 5-15 PLUG & CORD -
43 1 44 1	POT & PAN SHELVING S/S MOBILE TABLE	METRO GOLDENSTEIN		-	-	-	_	-	-				-	-		
45         1           46         1           47         1	FOOD CUTTER FREEZER FREEZER DEFROST	HOBART IMPERIAL BROWN IMPERIAL BROWN	84145 - CEL0045BS6EEAB0200	120 115 208	1	- - 4.6	-	1/2	 X	- 1"	X K1(21) - K1(23) - K1(25,27)	20A, 1P 20A, 1P 20A, 2P	(2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C. (3)#12 + #12 GRD. IN 3/4"C.	-	 	5–15 PLUG & CORD ROOM 126 ELECTRICAL DEFROST
48     1       49     1	COMPRESSOR SHELVING FOR ITEM 46			208	3	20 -	-	1 -	^ 	- -	- $   -$			-		
50         1           51         1           52         1	SPARE REFRIGERATOR REFRIGERATOR DEFROST	– IMPERIAL BROWN IMPERIAL BROWN	– – CEL0055AS6AMAB0200		- 1 1	- - 0.9	-	-	 X	- X 1"	 - K1(35) - K1(37)			-	 	– ROOM 125 AIR DEFROST
53 1 54 1	COMPRESSOR SHELVING FOR ITEM 51	IMPERIAL BROWN METRO	CCH0005MCAC2 -	208	-	15 -	-	1/2	-	- -	 			-	 	
55         1           56         1           57         1	REFRIGERATOR SPARE REFRIGERATOR DEFROST	IMPERIAL BROWN - IMPERIAL BROWN	– CEL0095AS6AMAB0200	115 - 115	1 - 1	_ 1.8	_ _ _	-	X  X	X - 1"	- K1(39)  K1(41)	20A, 1P 	(2)#12 + #12 GRD. IN 3/4"C. - (2)#12 + #12 GRD. IN 3/4"C.	-	 	ROOM 124
581591	COMPRESSOR SHELVING FOR ITEM 55	– METRO	CCH0010MCAC2 -	208	3		-	1/2	-	_ 	 			-	 	
60         1           61         1           62         1	SPARE REFRIGERATOR REFRIGERATOR DEFROST	- IMPERIAL BROWN IMPERIAL BROWN		- 115 115	- 1 1	- - 0.9	_ _ _	-	— X X	- X 1"	 - K1(14) - K1(16)	 20A, 1P 20A, 1P		- - -	 	- ROOM 123 -
63         1           64         1           65         1	COMPRESSOR PANTRY SHELVING PIZZA PREP REFRIGERATOR	– METRO CONTINENTAL	CPA118	208 - 115	3		-	1/2	-		  X K1(24)			-		- - W/ 5-20P PLUG & CORD W/ CASTORS
	S/S MOBILE TABLE CHEESEMELTERS	GOLDENSTEIN VULCAN	- 1036C	208	- 1	- 17.3	- 3.6	-	- X	- 1"	K1(26,28)		(2)#12 + #12 GKD. IN 3/4°C.	-		NO PLUG & CORD
68 1 69 1 70 1	S/S COOKS WORK TABLE W/ CUT OUT COLD PAN DISH CABINET	GOLDENSTEIN ATLAS METAL GOLDENSTEIN		- 120	- 1	- 10.7 -	-	- 1/2	-		-         -           X         K1(30)		(2)#12 + #12 GRD. IN 3/4"C.	-	 	CUT OUT FOR DROP IN COLD PAN W/ 5-15 PLUG & CORD
70         1           71         1           72         1	COFFEE-TEA-TOASTER COUNTER RANCILIO ESPRESSO MACHINE	RANCILIO GROUP	  NEMA L6-30R	 	-	_  	 	-	_ _ _		 	-		-	<u> </u>	CUT LENGTH TO FIT SPACE NEMA L6-30R
73 1 74 1	TWIN COFFEE GRINDER COFFEE BREWER	WILBUR CURTIS WILBUR CURTIS	ILGD-10 GEMTS10A1000	120 220	1	8.0 35.4	0.96	-	– X	- X	X K1(32) K1(34,36)	20A, 1P 40A, 2P	(2)#12 + #12 GRD. IN 3/4"C. (3)#8 + #10 GRD. IN 3/4"C.	-		-
75         1           76         1           77         1	CONVEYOR TOASTER CONVEYOR TOASTER MICROWAVE OVEN	HATCO HATCO –	TQ-400 TQ-10	120 120 -	1	14.9 15.0 -	1.79 1.8 –	-	_	-	X K1(38) X K1(40)	20A, 1P 20A, 1P –	(2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C. –	-	 	NEMA 6-15P PLUG & CORD NEMA 5-15P PLUG & CORD -
78 1 79 1	S/S OVERSHELVES LARGE CHEST FREEZER	GOLDENSTEIN -		- 115	-	-	-	-	-		 			-	 	
80 1 81 1 82 1	SMALL CHEST FREEZER REACH-IN FREEZER FISH FILE UPRIGHT	– CONTINENTAL CONTINENTAL	– 2F–LT DL1RS–SS–F	115 208 115	1	- 13.1 5.5		-	_ X	- X	 К1(43,45) Х К1(42)	 20A, 2P 20A, 1P		-	 	NO PLUG & CORD
83 1 84 1	SOFT-SERVE ICE CREAM MACHINE S/S MOBILE TABLE	– GOLDENSTEIN		-	-	-	-	-	-					-	 	
	S/S MOBILE TABLE S/S MOBILE TABLE S/S MOBILE TABLE	GOLDENSTEIN GOLDENSTEIN GOLDENSTEIN		-	-	_ _ _	-	-	_ _ _	- - -			_ 	-		- - -
87         1           88         1           89         1	S/S MOBILE TABLE WORKTOP REFRIGERATOR	GOLDENSTEIN CONTINENTAL	 	- - 115	-	_  2.46	-	-	-	-	  X K1(47)			-		
90         1           91         1           92         1	S/S COOKS WORK TABLE HOT PAN S/S DISH CABINET	GOLDENSTEIN ATLAS METAL GOLDENSTEIN	—	208	- 1	- 16.4 -	- 3.4	-	-	- 1" -	-         -           X         K1(49,51)		(3)#12 + #12 GRD. IN 3/4"C.	-		
93 1 94 1	SANDWICH UNIT REFRIGERATOR S/S DISH CABINET	CONTINENTAL	SW48N12M –		1	4.5		-	_ _ _		X K1(53)		(2)#12 + #12 GRD. IN 3/4"C.	-		W/ 5-15 PLUG & CORD W/ CASTERS
95 1 96 1	EXHAUST HOOD EXHAUST HOOD	RATIONAL RATIONAL	EO-FPSP EO-FPSP	115 115	1	-	-	-	X X	X X	K1(55) K1(55)	20A, 1P 20A, 1P	(2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C.	-		
97         1           98         1           99         1	EXHAUST FANS SUPPLY FANS FIRE SUPPRESSION SYSTEM	– – ANSUL	  R-102		-	_ _ _	-	-	-	- - -	 			-	 	GAS VALUE SIZED BY MEP
100 2 101 2	CONVECTION OVEN CONVECTION OVEN	SOUTHBEND SOUTHBEND	SLG22 SLG22	120 120	1	7.9 7.9	-	-	-		X K1(57) & K1(5 X K1(61) & K1(6	63) 20A, 1P	(2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C.	-	- <u>3/4"</u> 144 - <u>3/4"</u> 144	BAKERY (2) 5–15 PLUG & CORDS BANQUET (2) 5–15 PLUG & CORDS
102         2           103         1           104         1	CONVECTION OVEN OPEN BURNER TOP RANGE GRIDDLE TOP RANGE	SOUTHBEND GARLAND GARLAND	SLG22 MST44R MST44R	120 120 120	1 1 1	7.9 3.4 3.4	_ _ _	-	- - -	- - -	X K1(65) & K1(6 X K1(69) X K1(69)	20A, 1P	(2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C. (2)#12 + #12 GRD. IN 3/4"C.	-		
105 1 106 1	FRYER ICE MACHINE	GARLAND MANITOWOC	MST44R 	120 208	1	3.4 18.5	_ _ _	-	– X	- 3/4",1/2"	X         K1(69)           X         K1(69)           K1(71)	20A, 1P 20A, 1P 20A, 2P	$\begin{array}{c} (2) \# 12 + \# 12 \text{ GRD. IN } 3/4 \text{ C.} \\ (2) \# 12 + \# 12 \text{ GRD. IN } 3/4 \text{''C.} \\ (3) \# 12 + \# 12 \text{ GRD. IN } 3/4 \text{''C.} \end{array}$	-	-3/4 140 -3/4 110 1/2 $ -$	
	SOUP WELL UNIT HAND WASH SINK SPARE	– ADVANCE –	- 7-PS-131		-	- - -		-	- 1-1/2" -	- - -	 			1/2	 1/2	- INCLUDES TOWEL CAB. & SOAP DISP. -
110 1 111 1	S/S WALL SHELF HAND WASH SINK	GOLDENSTEIN ADVANCE	_ 	-	- -	_ _ _	-	- -	_ 	-	 			_ 1/2	- <u>-</u> - 1/2	USE EXISTING TOWEL GAS & SOAP DISP.
112 1 113 1	S/S TABLE W/ SINK VACUUM PACKING MACHINE			_ 115	-	- 15	-	-	_ _	1-1/2"	 			1/2	1/2 – – – – –	RELOCATE TO CUTTING ROOM RELOCATE TO CUTTING ROOM
<u>114 1</u> <u>115 1</u> 116 1	SHELVING FOR CUTTING ROOM           POT RACK – CEILING HUNG           TABLE MOUNTED OVERSHELVES	- GOLDENSTEIN GOLDENSTEIN		- - -	-	- - -	- - -	-	- - -	- - -	  		- - -	-	 	RELOCATE TO CUTTING ROOM 
117 1 118 1	TABLE CEILING HUNG S/S DOUBLE OVERSHELF	GOLDENSTEIN GOLDENSTEIN		-	-	-	-	-	-		 	-		-		
119     1       120     1       121     1	POT RACK CEILING HUNG HEAT LAMP S/S OPEN FRONT WALL CABINET	GOLDENSTEIN HATCO -	 GRAPH-84	_ 208 _	- 1 -	- 9.9 -		-		- - -	 			-		- - -
	IS/S OPEN FRONT WALL CABINET HEAT LAMP HAND WASH SINK	HATCO ADVANCE		 208 	- 1 -	- 11.5 -		-	_ 	_ 	 			- - 1/2"		









 $\langle 17 \rangle$  NEW 3/4" 140°HW ROUTED UP. PATCH AND REPAIR PENETRATION.

(18) NEW FATS, OILS AND GREASE (FOG) MAIN ROUTED AT CEILING. NEW FOG MAIN SHALL CONNECT TO NEAREST EXISTING FOG MAIN IN AREA. VERIFY EXACT POINT OF CONNECTION IN FIELD.

(REFER TO DRAWING FOR PIPE SIZES)

(19) NEW LP FIRED WATER HEATER HWH-1 SERVING NEW KITCHEN EQUIPMENT. INSTALL ACCORDING TO

MANUFACTURERS INSTRUCTIONS.

 $\langle 20 \rangle$  NEW HOT WATER RECIRCULATION PUMPS <u>PP-1</u> AND <u>PP-2</u> SERVING 120° AND 140° HOT WATER

(21) NEW LEONARD 'TM-520B-LF-DT' THERMOSTATIC MIXING VALVE TMV WITH 3/4" INLETS AND 1" OUTLET. TEMPERING WATER DOWN FROM 140° TO 120°. INSTALL ACCORDING TO MANUFACTURES INSTRUCTIONS. PROVIDE NECESSARY CLEARANCE FOR ADJUSTMENTS AND MAINTENANCE.

 $\langle 22 \rangle$  NEW 2-1/2" LP MAIN ROUTED FROM EXTERIOR BELOW GRADE LP TANKS SERVING FACILITY. COORDINATE INSTALLATION WITH LP GAS PROVIDER AND FACILITY. VERIFY EXISTING LP STORAGE TANKS HAVE SUFFICIENT CAPACITY FOR NEW INCREASED LP LOAD PRIOR TO CONSTRUCTION. VERIFY EXACT POINT OF CONNECTION TO EXISTING TANKS IN FIELD, FINAL RUN OF LP PIPING MAY INCREASE DIAMETER. (LP SIZED PER INLET PRESS. 11.0 IN. W.C.; PRESSURE DROP 0.5 IN. W.C; INTENDED USE: PIPE SIZING BETWEEN SINGLE OR SECOND STAGE (LOW PRESS.) REGULATOR

(23) NEW 1/2" 120"HW ROUTED UP. PATCH AND REPAIR PENETRATION.

(24) NEW (2) 1-1/4" LP MAINS ROUTED UP SERVING KITCHEN EQUIPMENT AND NEW RTU'S. PATCH AND REPAIR PENETRATIONS.

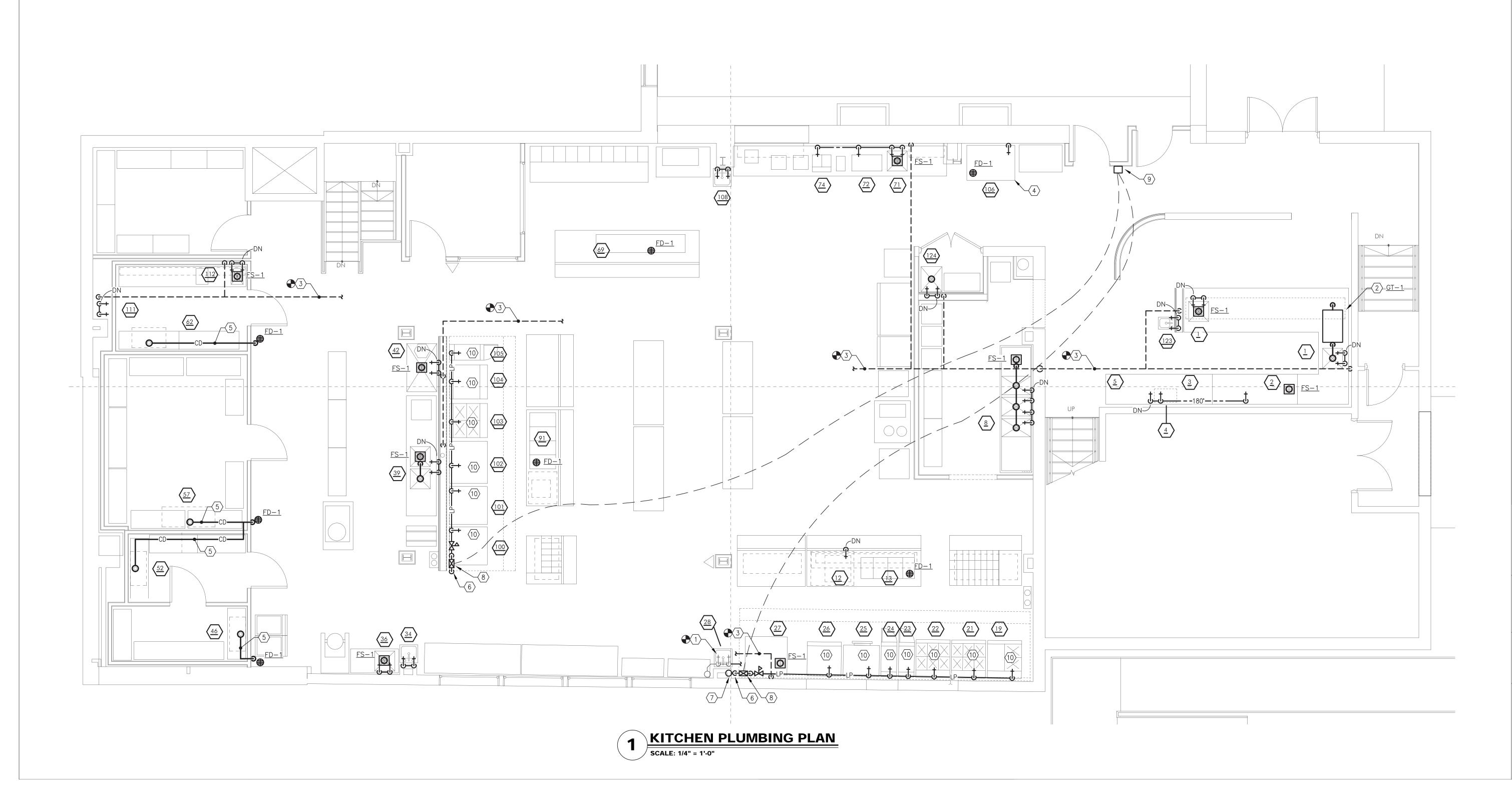
 $\langle 25 \rangle$  NEW FOG ROUTED TO EXISTING FOG MAIN IN AREA. VERIFY EXACT POINT OF CONNECTION IN FIELD. (REFER TO DRAWING FOR PIPE SIZES)

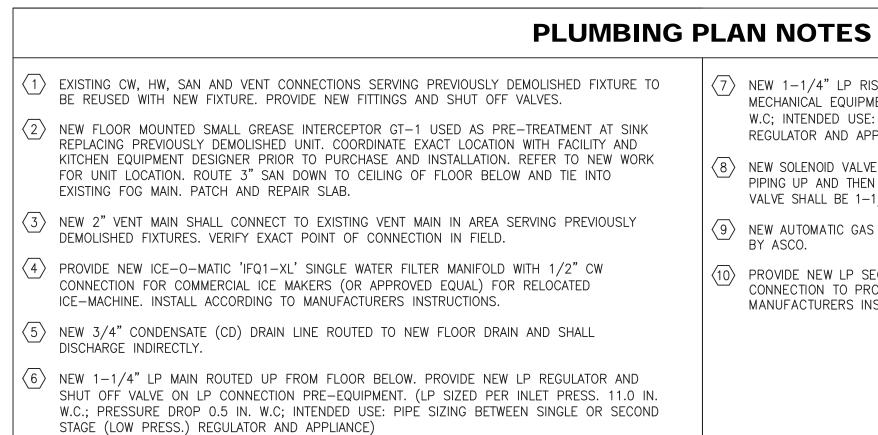
(26) NEW 1/2" CW AND 1/2" 120°HW ROUTED AT CEILING.

(27) NEW CW, HW AND FOG ROUTED UP SERVING NEW AND RELOCATED KITCHEN EQUIPMENT. PATCH AND REPAIR PENETRATIONS. (REFER TO ONE LINE DIAGRAMS AND KITCHEN EQUIPMENT SCHEDULE FOR

(28) NEW 3/4" CW AND 3/4" 140°HW.

	PA	RTNERS		ARC	HITI	ECT	UR		STAN	FOR P: 20	D, C1 03.70	STREET, 1 06906 18.0047 CH.NET
		67 Fede		<b>NS</b> 16804			Tel: (2	203) 6	63-37			
	DB BSCAI	N										
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						INFOF PROPE SHALL FOR A AUTH P.C. U RESPIC DOCU COPY ELECT SYSTE ARCH DOCU ACCU GENE	RMATIC ERTY OI IN OT B IN REA ORIZAT JSE OF DINSIBILI SIONS. JMENT RIGHT RIGHT RIGHT RIGHT RIGHT RIGHT RIGHT RIGHT RIGHT RIGHT RACY ( RAL WC	IN DEP F PARTI SE REPR ASON E ASON E THIS D THIS D THIS D ELECT SHALL COND MEDIA MEDIA DMPAT RE P.C. , MAKE DF THE DRKABI	ICTED I NERS FO ODUC XVPRESS ROM PA IOCUM ALL INH RONIC BE SUB ITIONS MAY C IBILITIES IN ISSI S NO C E ELECT LITY OF ARCH	HEREON DR ARC ED, EDI ED, EDI ED OR ARTINER HERENT IS HERENT IS HE	N IS THI HITECT TED OF IMPLIED S FOR / WITH F ERROR S OF TI O THE S ITED AE IN ERROR IN ERROR TO THE S OF TH TEES A DATA ( DOCUM	URE, P.C. & DISTRIBUTEE DISTRIBUTED UILL ARCHITECTURI UILL SS OR HIS SOR HIS SAME OVE. DR OR OR SS OR OR SS TO THE DR THE
	JB ect at WE		EV	EL			<b>N</b>	11	<u> </u>			
SEA	L & SIGN	NATURE			-	DATH PRO. DRA CHE DRA DRA CAD FI	JECT WN CKE WIN 2 C	T NC BY: D BY G N <b>D 1</b>	).: <b>2</b> //: 1 (): .(	21- AG TL	826	



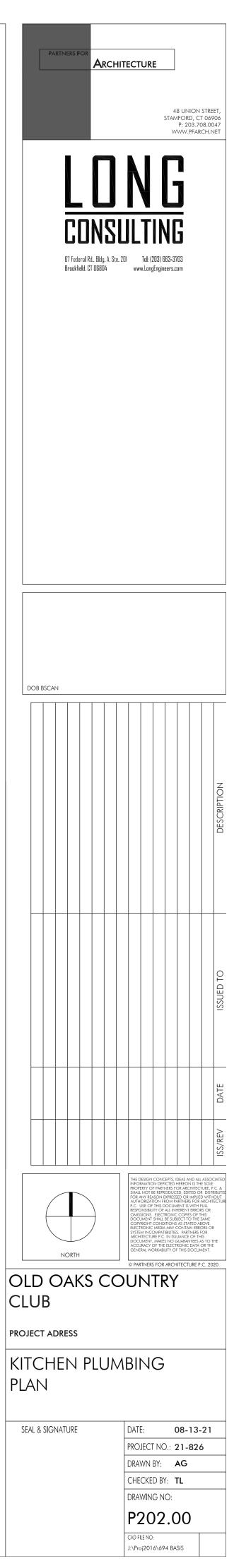


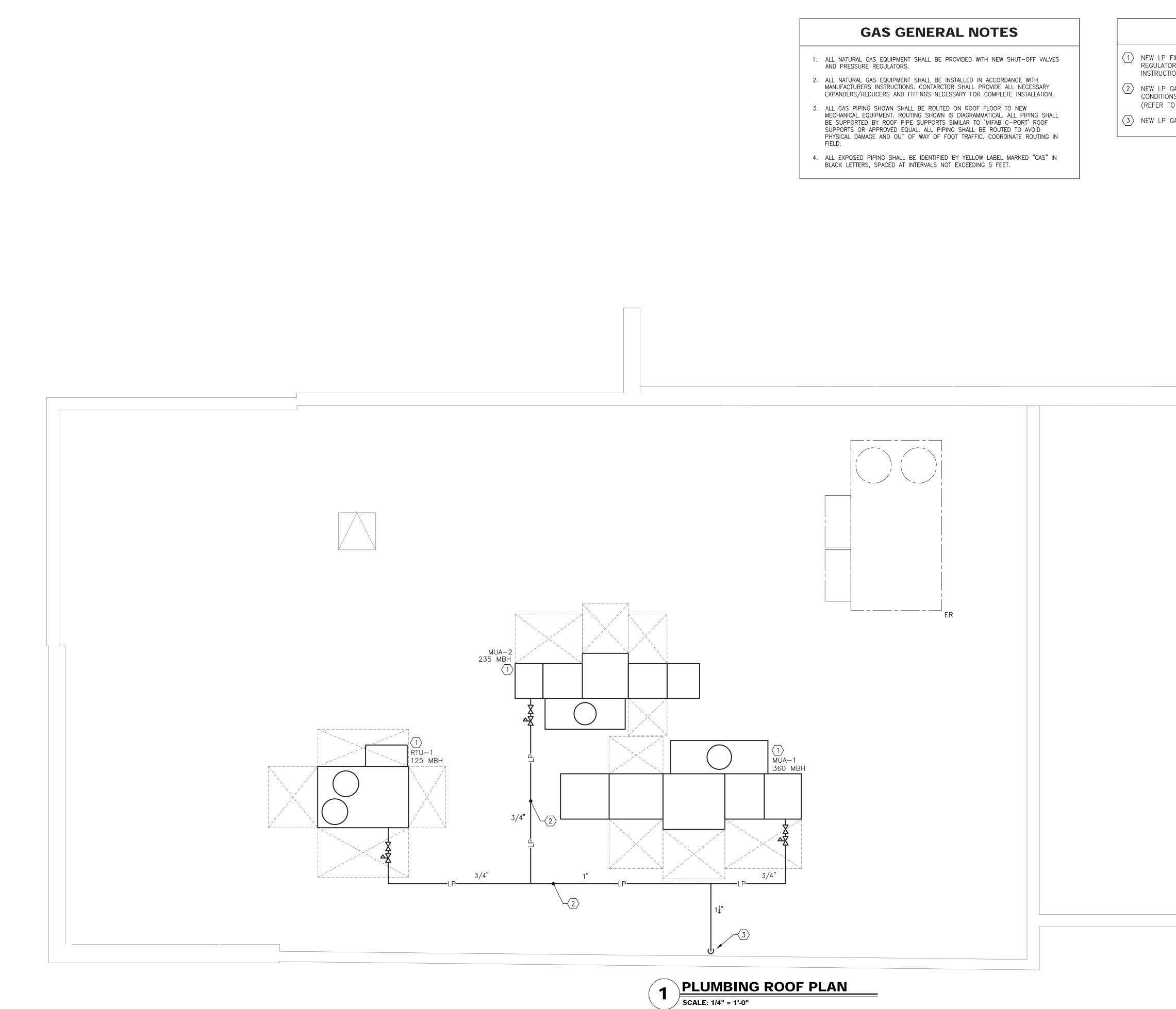
 $\langle 7 \rangle$  NEW 1-1/4" LP RISER ROUTED UP TO ROOF FROM FLOOR BELOW SERVING NEW LP FIRED MECHANICAL EQUIPMENT. (LP SIZED PER INLET PRESS. 11.0 IN. W.C.; PRESSURE DROP 0.5 IN. W.C; INTENDED USE: PIPE SIZING BETWEEN SINGLE OR SECOND STAGE (LOW PRESS.) REGULATOR AND APPLIANCE)

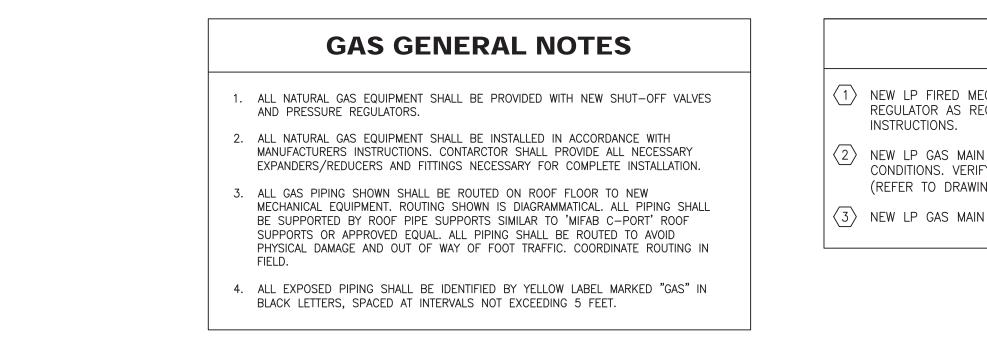
 $\langle 8 \rangle$  NEW SOLENOID VALVE ON LP MAIN BELOW CEILING AREA LOCATED ON WALL. ROUTE 1-1/4" LP PIPING UP AND THEN BACK DOWN TO LP MANIFOLD SERVING LP KITCHEN EQUIPMENT. SÓLENOID VALVE SHALL BE 1-1/4" LP ASCO NORMALLY CLOSED 2 WAY SOLENOID VALVE.

9 NEW AUTOMATIC GAS EMERGENCY SHUTOFF SWITCH CONNECTED TO SOLENOID VALVE MANUFACTURED

10 PROVIDE NEW LP SECOND STAGE PRESSURE REGULATOR AND SHUT OFF VALVE ON LP CONNECTION TO PROPOSED KITCHEN EQUIPMENT. INSTALL KITCHEN EQUIPMENT ACCORDING TO MANUFACTURERS INSTRUCTIONS.





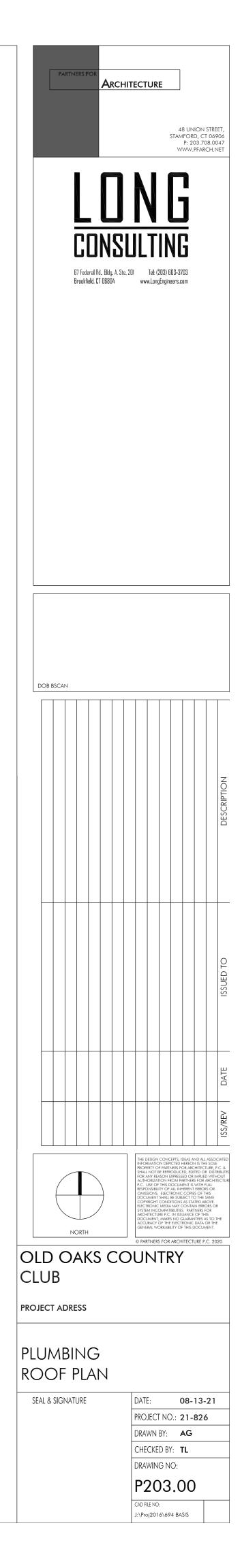


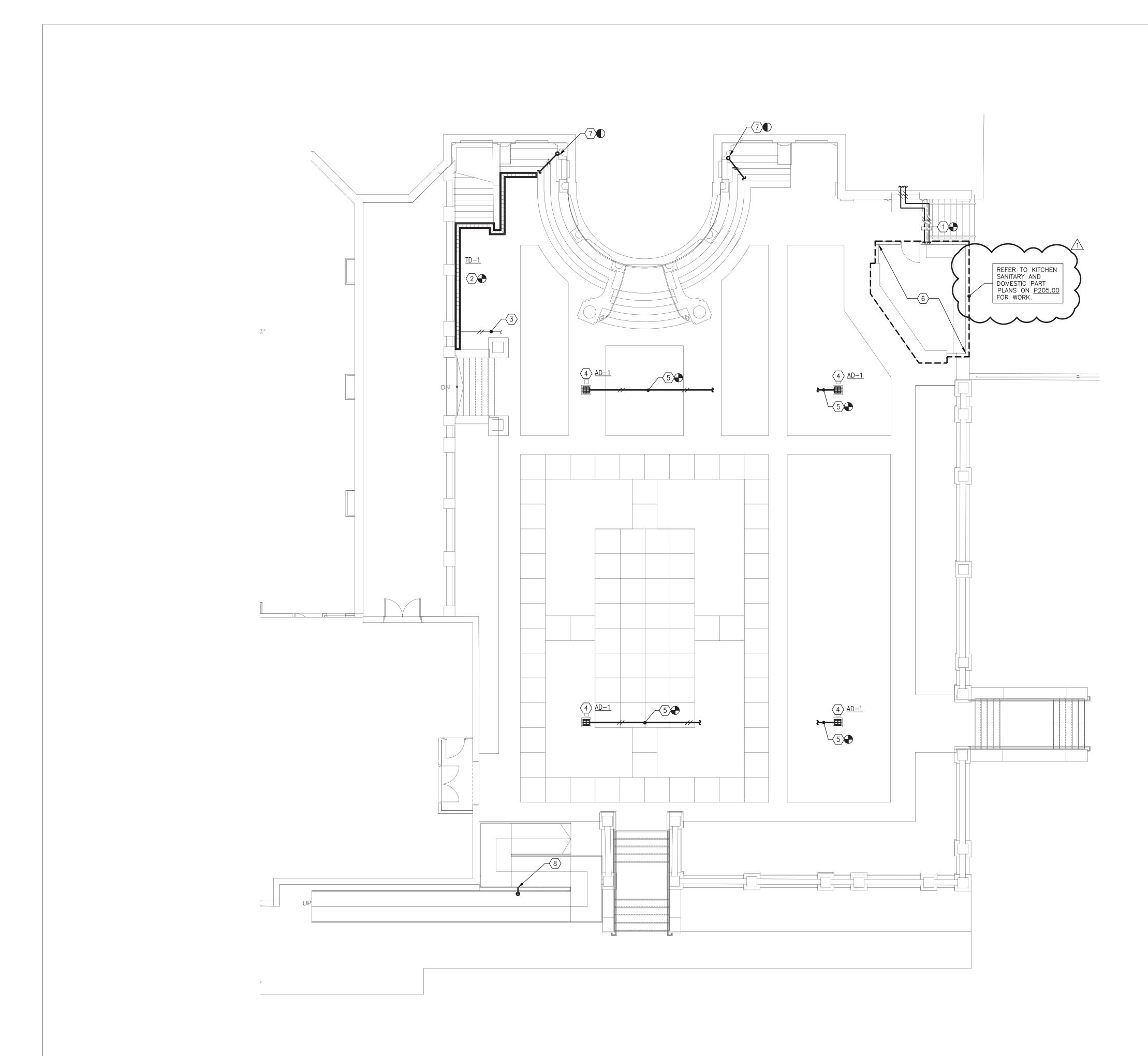
# PLUMBING PLAN NOTES

1 NEW LP FIRED MECHANICAL UNIT. PROVIDE NEW SHUT OFF VALVE AND SECOND STAGE REGULATOR AS REQUIRED ON LP CONNECTION TO UNIT. INSTALL ACCORDING TO MANUFACTURER

2 NEW LP GAS MAIN ROUTED ON ROOF. COORDINATE ROUTING IN FIELD WITH EXISTING ROOF CONDITIONS. VERIFY PIPING DOES NOT IMPEDE FOOT PATH FOR MAINTENANCE TO UNITS. (REFER TO DRAWING FOR PIPE SIZES)

 $\langle 3 \rangle$  NEW LP GAS MAIN ROUTED DOWN TO FLOOR BELOW. PATCH AND REPAIR PENETRATIONS.





1

(1)	NEW 3/4" CV AND HW SHA POINT OF CO AREA FOR PF
2	NEW 8" WIDE SERVING TERF REPAIRED AS AND FINISHES
$\langle 3 \rangle$	EXISTING STO
$\langle 4 \rangle$	NEW 12"X12" PREVIOUSLY [
(5)	NEW 4" DRAII DRAIN. COORE VERIFY EXACT
6	COORDINATE I PRIOR TO WO
7	GUTTER TO D ROUTE NEW S STORM PIPINO
8	EXISTING STO REQUIRED TO

TERRACE PLUMBING PLAN SCALE: 1/8" = 1'-0"

### PLUMBING PLAN NOTES

CW AND HW ROUTED BELOW GRADE TO PROPOSED EXTERIOR BAR AREA. NEW CW ALL RECONNECT TO EXISTING CW AND HW MAINS IN MAIN BUILDING. VERIFY EXACT ONNECTION IN FIELD. NEW CW AND HW SHALL BE VALVED AND CAPPED AT BAR PROPOSED BAR EQUIPMENT.

TRENCH DRAIN SYSTEM REPLACING PREVIOUSLY DEMOLISHED TRENCH DRAIN RRACE AREA. EXISTING DRAINAGE AND TRENCH BELOW GRATE TO BE CLEANED AND REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF TRENCH WORK

ORM PIPE SERVING TRENCH DRAINAGE ROUTED BELOW PAVERS.

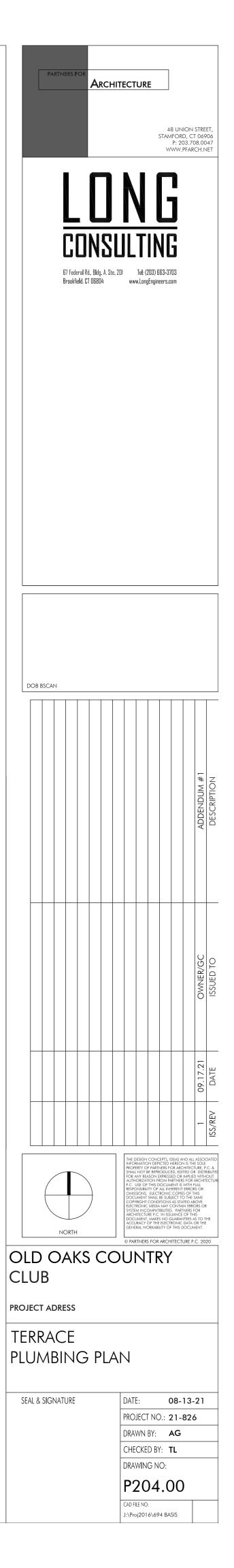
AREA DRAIN WITH STORM ROUTED BELOW PAVERS TO EXISTING STORM SERVING DEMOLISHED DRAINS. VERIFY EXACT ROUTING IN FIELD.

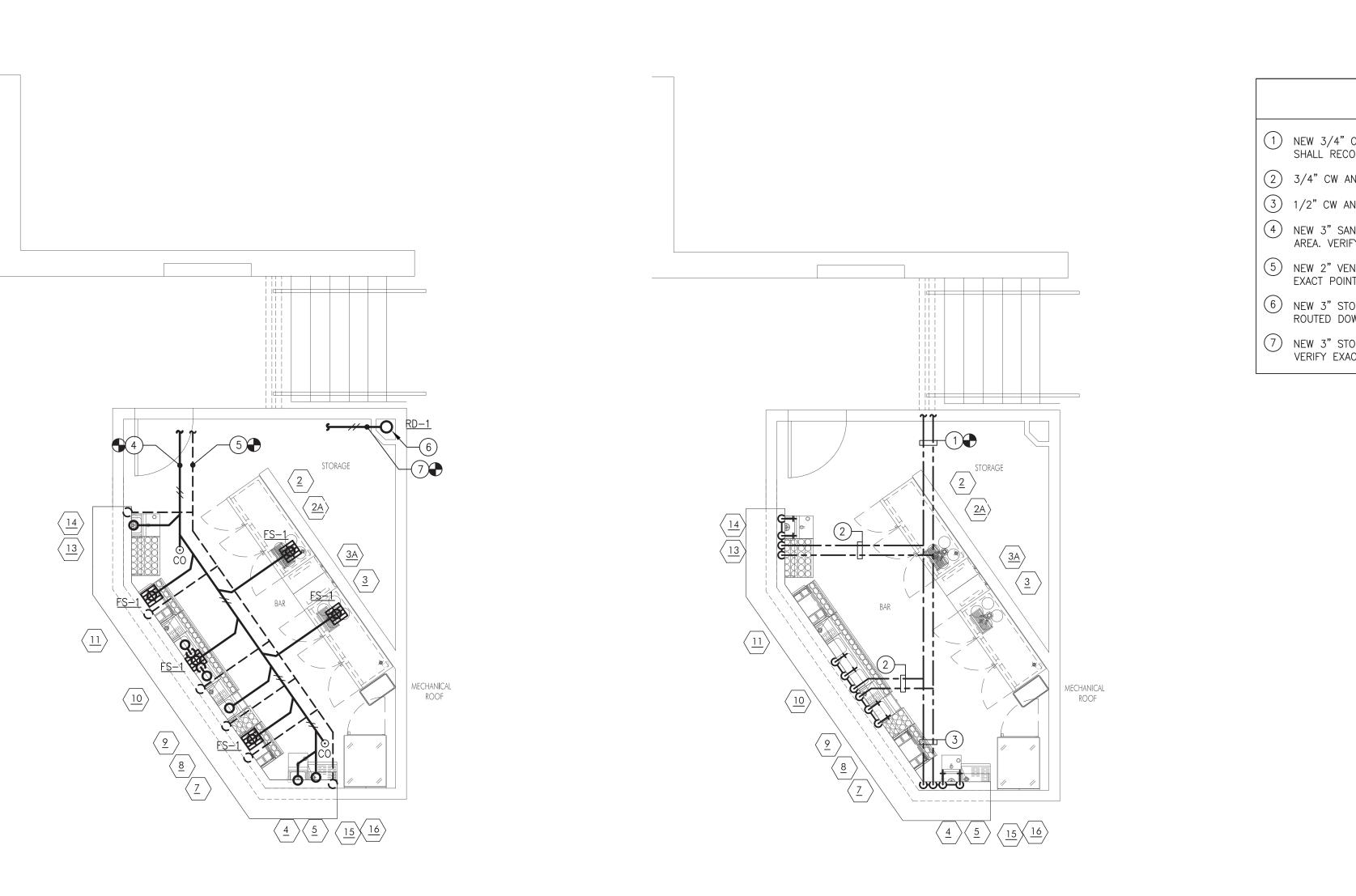
AIN ROUTED BELOW PAVERS TO EXISTING STORM SERVING PREVIOUSLY DEMOLISHED RDINATE ROUTING WITH EXISTING AND NEW UTILITIES BEING ROUTED BELOW PAVERS. T ROUTING IN FIELD.

E INSTALLATION OF ALL PROPOSED BAR AREA EQUIPMENT WITH BAR AREA DESIGNER WORK. ALL UTILITIES AND SIZES SHALL BE COORDINATED WITH BAR AREA DESIGNER.

DISCHARGE INTO NEW OPEN ENDED 4" STORM PIPING LOCATED AT TOP STEP. STORM PIPING BELOW STEPS AND BELOW GRADE. CONNECT NEW 4" INTO EXISTING NG IN TERRACE. VERIFY ROUTING AND EXACT POINT OF CONNECTION IN FIELD.

FORM PIPING FROM TERRACE. ADJUST ELEVATION STORM PIPING AND OUTLET AS O LOCATE STORM PIPING BELOW NEW RAMP. VERIFY ROUTING IN FIELD.







					BAR AREA	EQUI	PMENT	SCHEDU	ILE							
ltem	Qty	Category	Manufacturer	Model	Voltage	Phase	Amps	Kw	Нр	Direct Drain Size (in.)	Indirect Drain Size (in.)	Plug	Hot Water Size (in.) Cold Water Size (in )	Gas Size (in.)	MBTUH	Equipment Remarks
2	1	BACK BAR EQUIPMENT	PERLICK	BBSN72**R	-	-	4.2	_	1/4	-	-	Х		-		-
2A	1	DISPENSING KIT, BACK BAR & DIRECT DRAW	PERLICK	69526-2DA	-	-	-	-	-	-	(1)3/4",(1)1"	-		-		-
3	1	BACK BAR EQUIPMENT	PERLICK	BBSN72**L	-	-	-	-	-	-	-	-		-		-
3A	1	DISPENSING KIT, BACK BAR & DIRECT DRAW	PERLICK	69526-2DA	-	-	-	-	-	-	(1)3/4",(1)1"	-		-		-
4	1	UNDERBAR BLENDER STATION & SINK	PERLICK	TS12BLW	-	-	-	-	-	1-1/2"	-	-	1/2" 1/2	" –		-
5	1	UNDERBAR FILLERS & DRAINBOARDS	PERLICK	TS18	-	-	-	-	-	1-1/2"	-	-		-		-
7	1	UNDERBAR ICE CHEST	PERLICK	TS24IC-EC10	_	-	-	-	-	-	1/2"	-		-		-
8	1	UNDERBAR LIQUOR DISPLAY	PERLICK	TS12LS	-	-	-	-	-	-	-	-		-		-
9	1	UNDERBAR HAND SINK	PERLICK	TS12HSN	-	-	-	-	-	1-1/2"	-	-	1/2" 1/2			-
10	1	UNDERBAR SINK	PERLICK	TS53C				-	-	-	(3)1-1/2"	-	3/4" 3/4	" –		-
11	1	UNDERBAR ICE CHEST	PERLICK	TS24IC-EC10	-	-	-	-	-	-	1/2"	-		-		-
13	1	UNDER BAR LIQUOR DISPLAY	PERLICK	TS24LS	-	-	-	_	-	-	_	-		-		-
14	1	UNDERBAR BLENDER STATION & SINK	PERLICK	TS14BLW	_	-	-		-	1-1/2"	_	-	1/2" 1/2	" –		-
15	1	UNDERBAR MODULAR BAR DIE	PERLICK	MBV05	_	-	-	-	-	-	-	-		-		-
16	1	REACH-IN REFRIGERATOR	VICTORY	VERSA-1D-GD-HC	115	-	-	-	1/2	-	-			-		-

### DOMESTIC BAR PLUMBING PART PLAN 2 SCALE: 1/4" = 1'-0"

# PLUMBING PLAN NOTES

1 NEW 3/4" CW AND HW ROUTED BELOW GRADE TO EXTERIOR BAR AREA. NEW CW AND HW SHALL RECONNECT TO EXISTING CW AND HW MAINS IN MAIN BUILDING. (2) 3/4" CW AND 3/4" HW DROPS SERVING BAR EQUIPMENT.

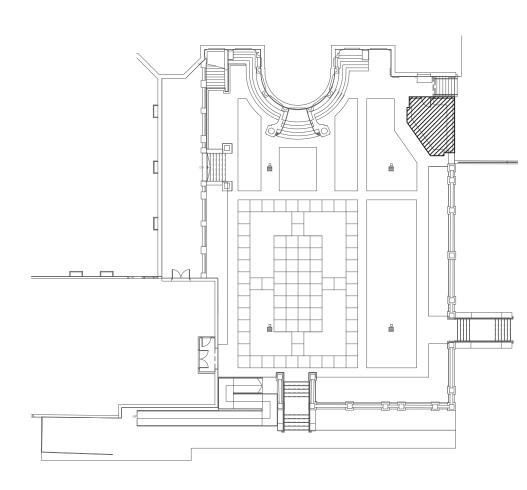
(3) 1/2" CW AND 1/2" HW DROPS SERVING BAR EQUIPMENT.

4 NEW 3" SAN ROUTED BELOW GRADE TO EXISTING SAN SERVING PREVIOUSLY EXISTING BAR AREA. VERIFY EXACT POINT OF CONNECTION IN FIELD.

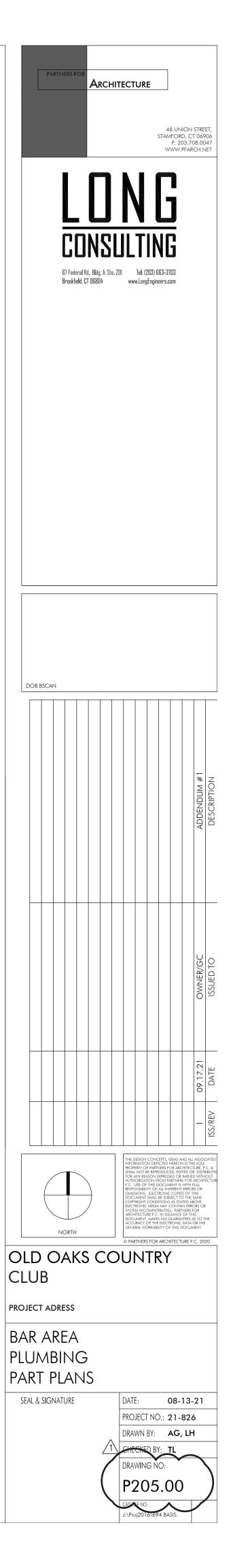
5 NEW 2" VENT ROUTED TO EXISTING VENT SERVING PREVIOUSLY EXISTING BAR AREA. VERIFY EXACT POINT OF CONNECTION IN FIELD.

6 NEW 3" STORM LEADER ROUTED UP TO NEW ROOF DRAIN <u>RD-1</u>. NEW 3" STORM SHALL BE ROUTED DOWN BELOW GRADE.

7 NEW 3" STORM ROUTED BELOW GRADE TO EXISTING STORM MAIN SERVING TERRACE AREA. VERIFY EXACT POINT OF CONNECTION IN FIELD.







SYSTEM
DOMESTIC WATER
NITARY, WASTE, AND VEN
CONDENSATE PIPING (NOT LESS THAN 3/4")
GAS PIPING (2" AND SMALLER)
GAS PIPING (2 1/2" AND L;ARGER)

SYSTEM	
DOMESTIC HOT WATER AND HOT WATER RECIRCULATION PIPING, FITTINGS AND VAVLES (105°F – 140°F)	
DOMESTIC COLD WATER PIPING, FITTINGS, AND VALVES (40°F – 60°F)	
EXPOSED SANITARY, HOT WATER, AND COLD WATER PIPING BELOW LAVATORYS AND SINKS	

	PIPING A	ND FITTINGS SCHE	DULE
	PIPING	FITTINGS	REMARKS
	TYPE L HARD DRAWN COPPER TUBING; PEX PIPING/TUBING	COPPER – CAST BRONZE OR COPPER SWEAT FITTINGS JOINED WITH TIN/ANTIMONY LEAD-FREE SOLDER; COPPER CRIMPING AND COMPRESSION FITTINGS FOR PEX.	_
ENT	SERVICE WEIGHT HUBLESS CAST IRON; PVC (SCHED. 40) PIPING	SERVICE WEIGHT HUBLESS CAST IRON JOINED W/APPROVED STAINLESS MECHANICAL COUPLINGS W/NEOPRENE RESILIENT GASKETS; PVC (SCHED. 40) FITTINGS	NO-HUB COUPLINGS SHALL BE 4-BAND EQUAL TO HUSKY SD-4000
)	SCHEDULE 40 PVC PIPING	SCHEDULE 40 PVC FITTINGS	CONDENSATE SERVING FUEL-FIRED APPLIANCES SHALL BE AN APPROVED CORROSION RESISTANT MATERIAL AND NOT BE SMALLER THAN DRAIN CONNECTION ON UNIT.
	SCHEDULE 40 STEEL	SCREWED SCHEDULE 40 BLACK STEEL	CORRUGATED STAINLESS STEEL TUBING SHALL BE APPROVED FOR SIZED UP TO 2"
)	SCHEDULE 40 STEEL	WELDED SCHEDULE 40 BLACK STEEL	_

	PIPE INSULATION SCHEDULE													
	PRODUCT MANUFACTURER	INSULATION THICKI	NESS		REMARKS									
)Т ;,	JOHN MANVILLE MICRO-LOK HP OR APPROVED EQUAL. PROVIDE PVC COVERS ON ALL EXPOSED PIPING	LESS THAN 1-1/4" 1-1/2" TO 4"	_	1" 1-1/2"	ALTERNATE PRODUCTS SHALL HAVE A CONDUCTIVITY OF 0.21–0.28 BTU–IN/(H–FT2–*F). PROVIDE ALL EXPOSED PIPING WITH PVC PIPE COVERS									
Э,	JOHN MANVILLE MICRO-LOK HP OR APPROVED EQUAL. PROVIDE PVC COVERS ON ALL EXPOSED PIPING	LESS THAN 1–1/4" 1–1/2" TO 4"	_	1/2" 1"	ALTERNATE PRODUCTS SHALL HAVE A CONDUCTIVITY OF 0.21–0.27 BTU–IN/(H–FT2–°F). PROVIDE ALL EXPOSED PIPING WITH PVC PIPE COVERS.									
R, )W	TRUEBRO – LAV GUARD2	RESILIENT MOLDED VINYL			ALTERNATE PRODUCTS SHALL BE SHALL COMPLY WITH ASME A112.8.9–2001 AND ADA ARTICLE 4.19.4									

LP FIRED HOT WATER HEATER SCHEDULE												
UNIT #	LOCATION	GALLONS	RECOVERY RATE GPH (90° RISE)	GAS INPUT TYPE	THERMAL EFFICIENCY	ELECTRICAL M VOLTS PHASE AMPS			MANUFACTURER MODEL	REMARKS		
HWH-1	EXIST. MECH. ROOM	119	388	300 MBH LIQUID PROPANE	96%	120	1	2	AO SMITH BTH—300 Mxi	PROVIDE UNIT WITH CONCENTRIC VENT KIT FOR DIRECT VENTING		
NOTES: 1. PROVIDE AMTROL IN LINE EXPANSION TANK SIZED PER MANUFACTURERS RECOMMENDATIONS.												

PROVIDE DIRECT VENTING IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. REFER TO MECHANICAL DRAWINGS FOR VENTING.
 DISCHARGE T&P RELIEF VALVE INDIRECTLY TO FLOOR IN EXISTING MECHANICAL AREA.

	PUMP SCHEDULE														
PUMP TAG	SERVICE LOCATION	FLUID	PUMP TYPE	GPM	HEAD FEET	BHP	HP VOLTS PHASE RPM			RPM	MANUFACTURER MODEL	REMARKS			
P-1	120° HW RECIRC EXIST. MECH.	WATER	INLINE	2	8	_	1/40	120	1	3250	TACO 006 BC4	CONTROLLED BY AQUASTAT ON HOT RECIRC PIPE			
P-2	140° HW RECIRC EXIST. MECH.	WATER	INLINE	2	8	-	1/40	120	1	3250	TACO 006 BC4	CONTROLLED BY AQUASTAT ON HOT RECIRC PIPE			

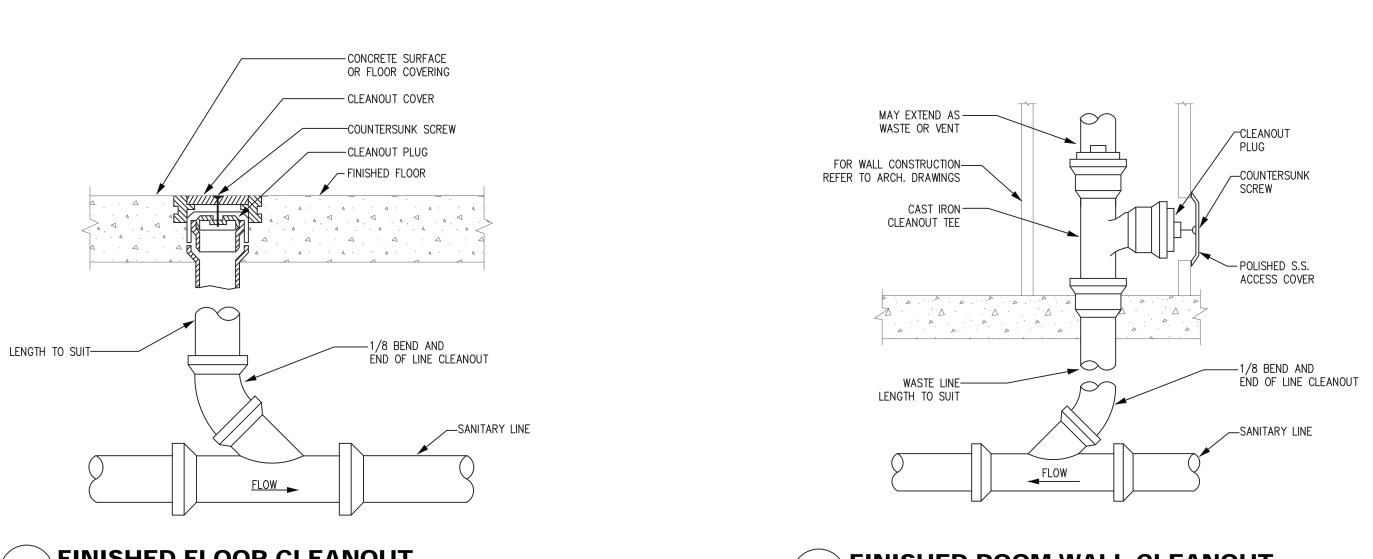
	DRAIN SCHEDULE													
UNIT TAG	DRAIN TYPE	MATERIAL	VARIATIONS	SIZE	TRAP	CONNECTION TYPE	VENT SIZE	STRAINER	MANUFACTURER MODEL	REMARKS				
FD-1	FLOOR	CAST IRON	MEDIUM DUTY	8 1/2"	3"	NO HUB	2"	MEDIUM DUTY	JAY R SMITH 2010C	NOTE 1				
FS-1	FLOOR SINK	STAINLESS STEEL	MEDIUM DUTY	12"x12"	_	NO HUB	2"	DOME	JAY R SMITH 9694 (10")	COORDINATE GRATE MODEL WITH OWNER				
AD-1	AREA DRAIN	STAINLESS STEEL	HEAVY DUTY	12"x12"	_	NO HUB	_	COORD. STRAINER	MIFAB F1440	COORDINATE FINISHES WITH ARCHITECT				
TD-1	TRENCH DRAIN	STAINLESS STEEL	MEDIUM DUTY	8"x39.7"	_	NO HUB	_	COORD. WITH ARCHITECTURAL	MIFAB T200-PGA-3-SM	COORDINATE QTY. OF GRATES PRIOR TO PURCHASE, NOTE 2				
NOTES:														

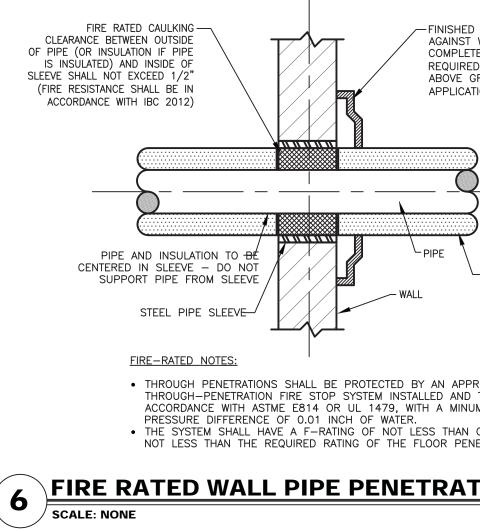
PROVIDE WITH SUFFIX "-F37-F38" FOR USE AS FUNNEL FOR DRAINAGE IN NON-TRAFFIC AREAS WHERE SPECIFIED BY KITCHEN CONSULTANT.
 TRENCH DRAIN GRATE SHALL REPLACE EXISTING GRATE SYSTEM SERVING EXISTING TRENCH. COORDINATE INSTALLATION OF NEW GRATE WITH EXISTING TRENCH SYSTEM PRIOR TO PURCHASE AND INSTALLATION. TRENCH IS SPECIFIED AS <u>CLASS A</u> AND <u>ADA</u> COMPLIANT.

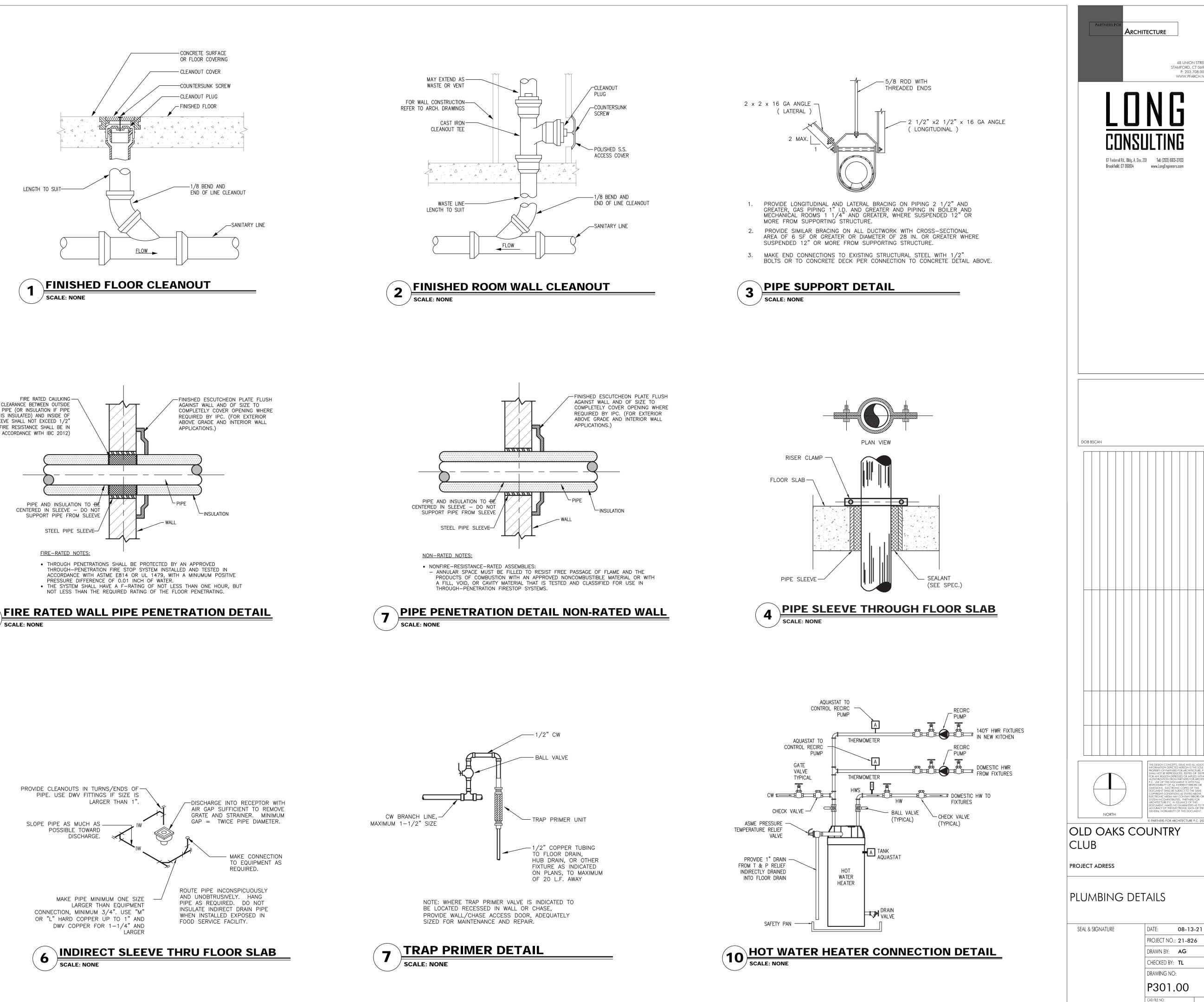
GREASE INTERCEPTOR SCHEDULE												
EQUIPMENT	MANUFACTURER		ELECTR	ICAL DATA	1	GPM	GREASE	REMARKS				
TAG	MODEL	VOLTS	PHASE	WATTS	AMPS		CAPACITY					
GT-1	ZURN Z1170 (700)	_	_	_	-	35	70 LBS	FLOOR MOUNTED. INSTALLED BELOW RELOCATED SINK, REPLACING EXISTING UNIT. PROVIDED WITH 3" INLET/OUTLET CONNECTIONS. (OR APPROVED EQUAL)				
NOTES:						-						

UNIT SHALL REPLACE EXISTING GREASE INTERCEPTOR SERVING SINK NEAR DISHWASHING AREA. UNIT TO BE USED AS PRETREATMENT PRIOR TO DISCHARGE BEING ROUTED TO FOG MAIN IN CEILING OF FLOOR BELOW. COORDINATE EXACT LOCATION, MAKE/MODEL WITH UNIT PRIOR TO PURCHASE AND INSTALLATION.

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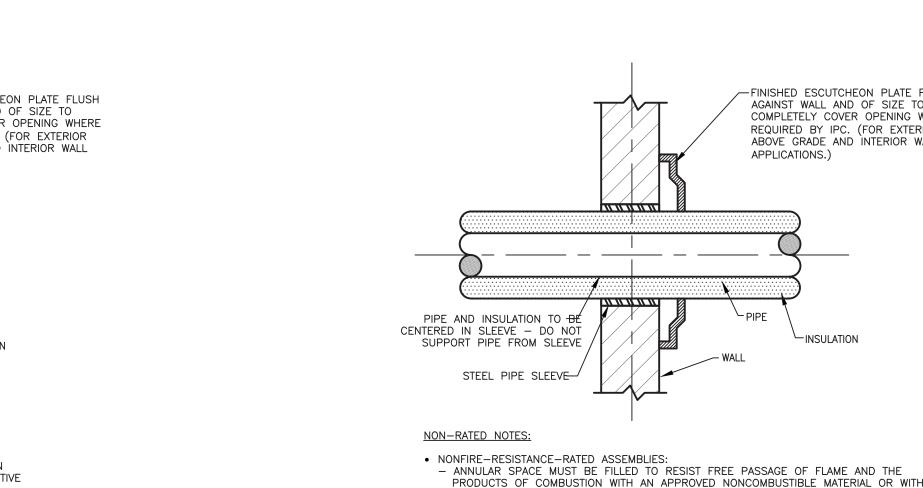




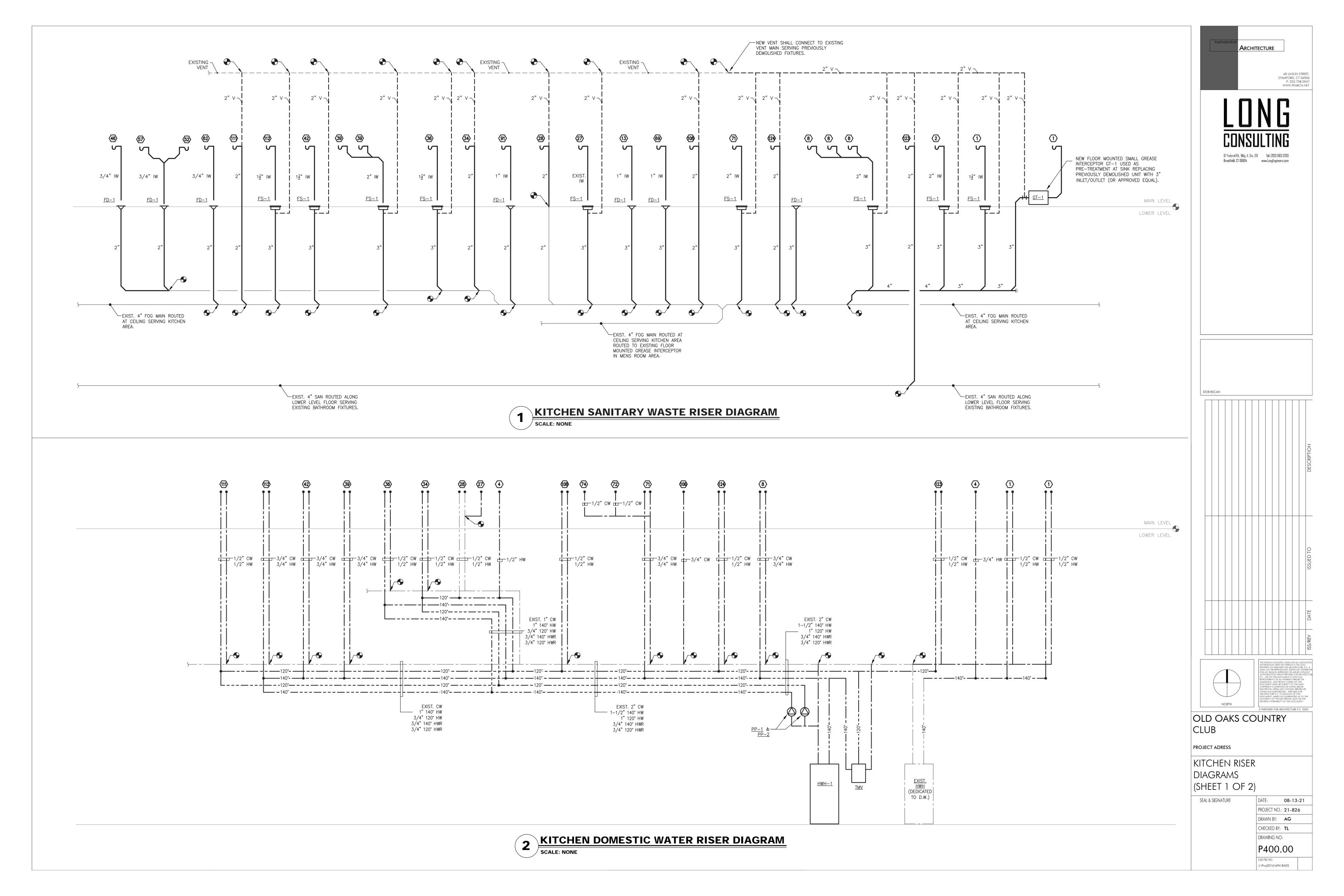
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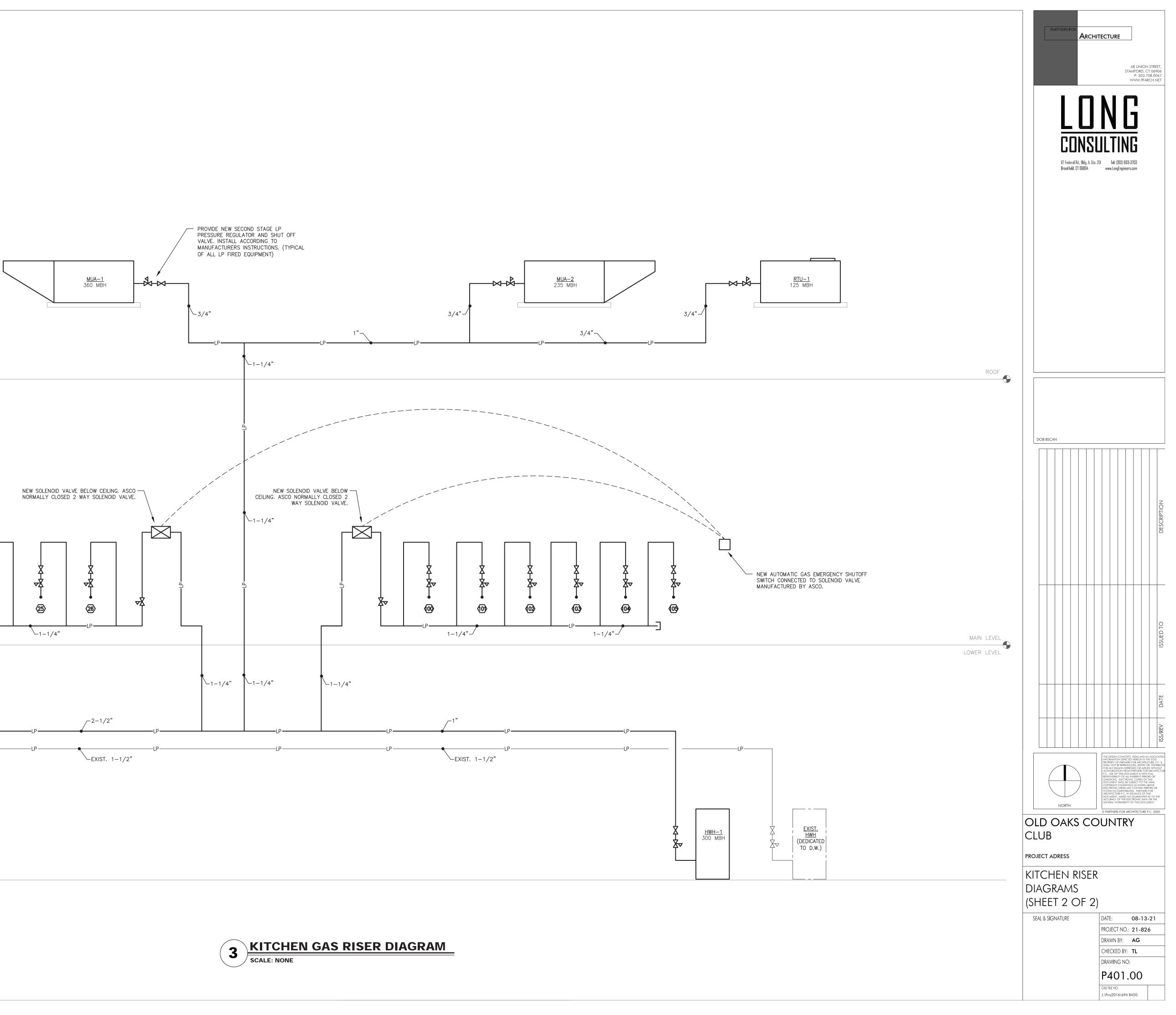
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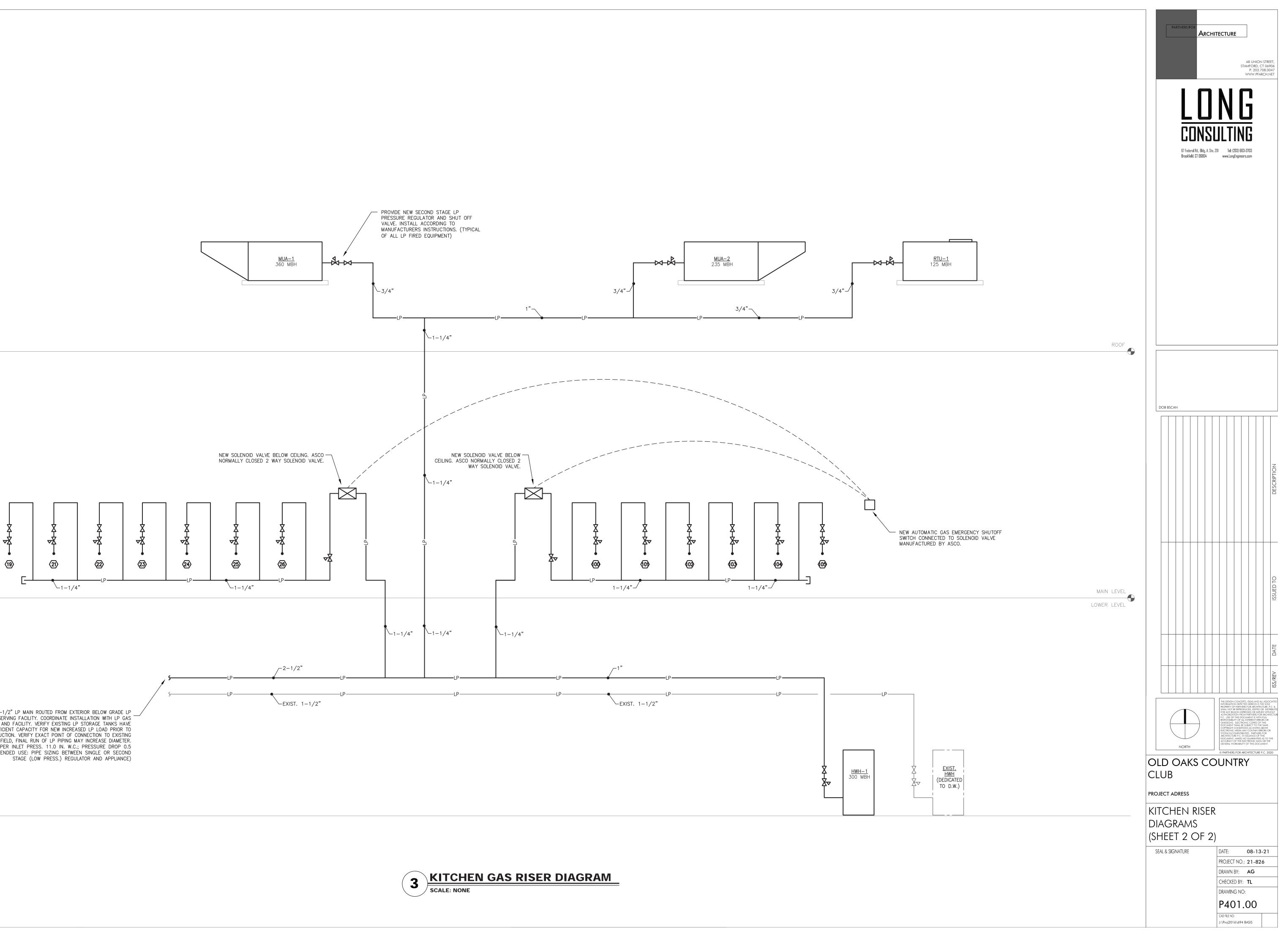
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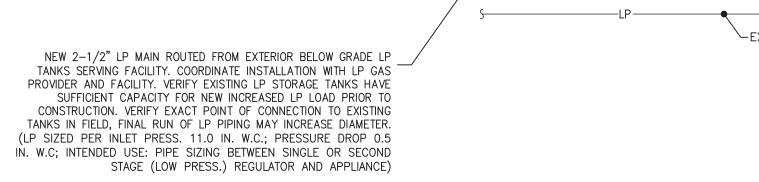


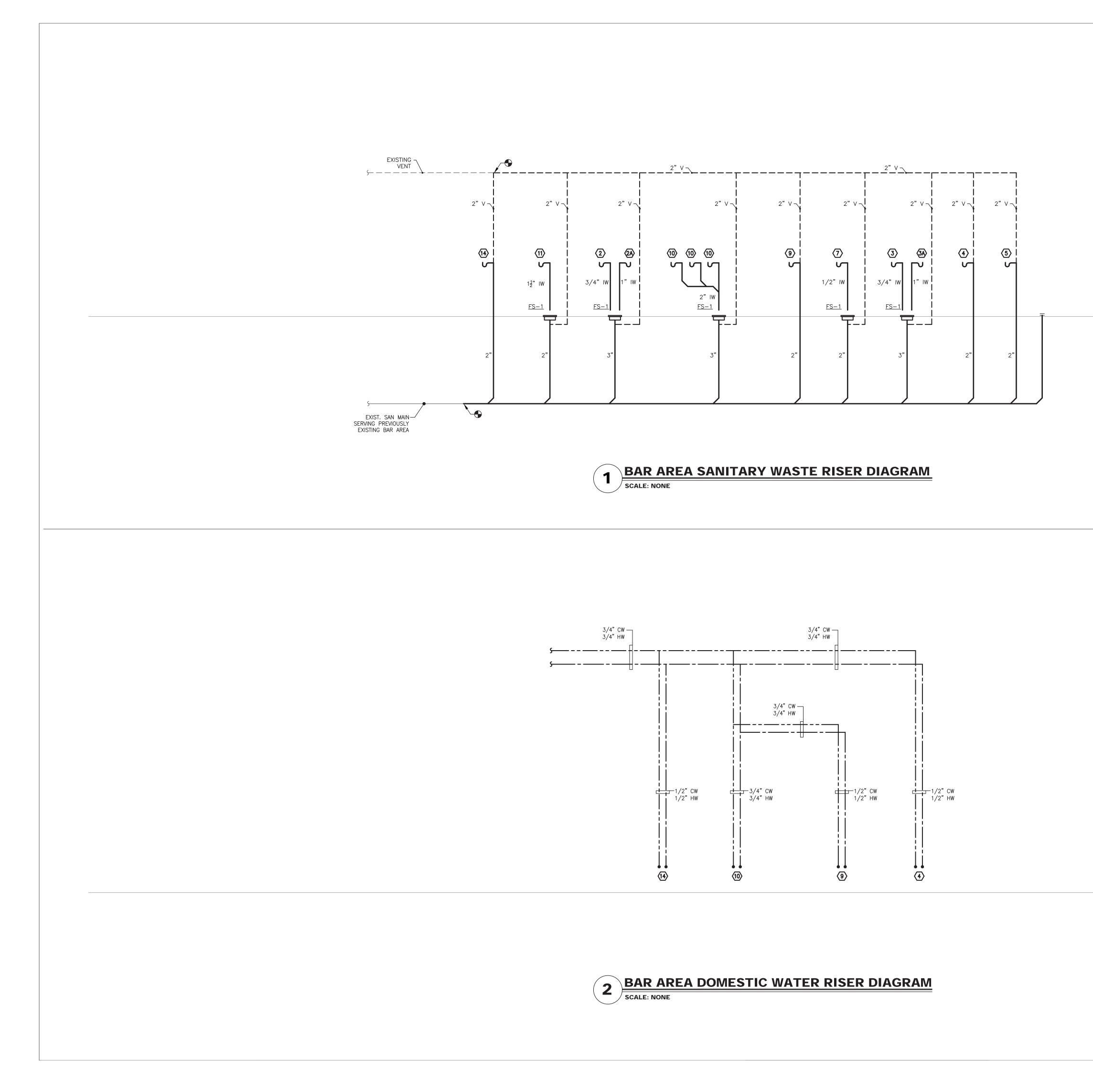








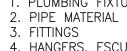




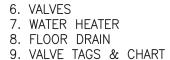
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BAR AREA BELOW GRADE	
	DOB BSCAN
	OWNER/GC
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### PLUMBING SPECIFICATIONS

- 1. <u>GENERAL REQUIREMENTS</u>:
  - A. PROVIDE ALL PLUMBING WORK SHOWN ON THE CONTRA THE LATEST LOCAL AND STATE CITY BUILDING.
  - B. PATCH AND/OR REPLACE DAMAGED ARCHITECTURAL CO INSTALLATION. CLEAN UP THE CONSTRUCTION SITE DAIL INTERFERE WITH THE WORK OF OTHER TRADES, AND AND TESTING.
  - C. THE CONTRACTOR SHALL EXAMINE THE PREMISED BEFO THOROUGHLY FAMILIARIZE HIMSELF WITH CONDITIONS
  - D. REPORT ANY CONDITIONS WHICH WOULD PREVENT THE ARCHITECT PRIOR TO STARTING ANY WORK.
  - E. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN PARTITIONS, AND HUNG CEILINGS.
  - F. INTERRUPTION OF EXISTING BUILDING SERVICES IN ORD SHALL BE MADE AT SUCH TIME AS TO CAUSE THE LEA BUILDING OPERATING PROCEDURE. ALL EXISTING SERVICE DIRECTED BY BUILDING MANAGEMENT. THE CONTRACTO ANY SHUTDOWN.
  - G. LOCATION OF EXISTING BUILDING SERVICES IN ORDER SHALL BE MADE AT SUCH TIME AS TO CAUSE THE LEA FEES, OBTAIN ALL PERMITS AND APPROVALS NECESSAF SHOWN ON THE CONTRACT DRAWINGS.
  - H. THE PLUMBING CONTRACTOR SHALL PAY ALL FEES, OF NECESSARY FOR THE COMPLETION AND NEW WORK SH
  - I. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE EXISTING CONDITIONS AND NEW WORK OF ALL THE OT
  - J. PROVIDE NEW PLUMBING FIXTURES, PIPING AND EQUIP DRAWINGS. CONNECT NEW PIPING TO EXISTING STACKS
  - K. PREPARE AS-BUILT DRAWINGS INDICATING ACTUAL LOCA AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE OW AND TESTING. SUBMIT THREE SETS OF PRINTS AND ( PROVIDE ON DISK TO OWNER THE AS-BUILT CONDITION
- 2. EXAMINATION OF CONTRACT DOCUMENTS:
  - A. EXAMINE THE CONTRACT DOCUMENTS OF THIS TRADE VERIFY ALL EXISTING CONDITIONS AT THE SITE, AND AND CHARACTER OF THE WORK IN THE BUILDING. SU ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS AF
  - B. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MA NECESSARY TO PROVIDE ALL WORK SHOWN ON THE THE LOCAL BUILDING CODE.
  - C. REPORT, IN WRITING, TO THE ARCHITECT ANY AND ALL OR OTHERWISE AFFECT OR PREVENT THE PROPER EXE THIS SECTION. DO NOT COMMENCE WORK UNTIL ANY CORRECTED BY THE TRADE OR TRADES RESPONSIBLE.
- D. FAILURE TO NOTIFY THE ARCHITECT OF UNSATISFACTOR ACCEPTANCE OF ALL CONDITIONS.
- E. THE EXECUTION OF THE WORK OF THIS SECTION CONS ADJOINING WORK AND OTHER CONDITIONS AS BEING CLAIMS OF DEFECTS IN SUCH CASES WILL NOT BE AL
- F. THE DRAWINGS INDICATE AND THE SPECIFICATIONS DES THE APPROXIMATE LOCATION OF EQUIPMENT, FIXTURES ADJUSTED IN THE FIELD TO SUIT EXISTING CONDITIONS
- G. THE CONTRACTOR SHALL WITHOUT EXTRA COST TO TH MODIFICATIONS IN THE WORK AS MAY BE REQUIRED OTHER TRADES, OR FOR THE PROPER INSTALLATION O
- 3. QUALITY ASSURANCE:
- A. ALL PIPES SHALL BE MARKED TO INDICATE MANUFACT LENGTH SHALL HAVE THE MANUFACTURER'S NAME CAS
- B. EACH FIXTURE SHALL HAVE THE MANUFACTURER'S SYM OR ROLLED ON.
- 4. <u>SCOPE OF WORK:</u>
- A. FURNISH AND INSTALL NEW PLUMBING FIXTURES, PIPIN THE CONTACT DRAWINGS. CONNECT TO EXISTING STACK
- B. PROVIDE AND INSTALL ALL NEW WORK IN ACCORDANCI
- C. PROVIDE ROUGH CUTTING AND PATCHING FOR THE INS
- 5. <u>SUBMITTALS:</u>
  - A. SUBMIT THE FOLLOWING ITEMS FOR APPROVAL: 1. PLUMBING FIXTURES, SUPPORTS AND TRIM



4. HANGERS, ESCUTCHEONS AND SLEEVES 5. INSULATION



- B. PREPARE AND SUBMIT PIPING INSTALLATION DRAWINGS FABRICATION. SUCH APPROVAL SHALL NOT RELIEVE CO RESPONSIBILITIES.
- 6. PRODUCT DELIVERY, STORAGE AND HANDLING:
- A. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE MATERIALS AND EQUIPMENT.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PIPES, VALVES, ETC., EITHER AT THE JOB SITE WHERE REPRESENTATIVE OR IN HIS OWN WAREHOUSE.
- C. ANY EQUIPMENT, FIXTURES OR PIPING DAMAGED DURIN SHALL BE REPLACED OR REPAIRED BY THE CONTRACT
- 7. <u>GUARANTEE:</u>
  - A. AS PART OF THIS CONTRACT, THE PLUMBING CONTRAC ALL WORK INCLUDED IN THESE CONTRACT DOCUMENTS ONE YEAR FROM THE DATE OF THE OWNER'S FINAL A SHALL REPAIR OR REPLACE ANY MATERIALS FOUND OWNER'S FINAL ACCEPTANCE STARTS WHEN FINAL PAY
- 8. <u>PIPE AND FITTINGS:</u>
  - A. ALL MATERIALS SHALL BE NEW AND INSTALLED IN A FIRST CLASS MANNER.

RACT DOCUMENTS AND IN ACCORDANCE WITH	TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE (CISPI) AND BE LISTED BY NSF INTERNATIONAL.	B. FIXTURE
OMPONENTS AS A RESULT OF SYSTEM ILY DURING CONSTRUCTION SO AS NOT TO	C. REFER TO PIPING AND FITTINGS SCHEDULE ON DRAWING <u>P-300.00</u> FOR PIPING MATERIALS. 9. <u>VALVES:</u>	1. EACH 2. THE P
AFTER THE COMPLETION OF INSTALLATION	<ul> <li>A. ISOLATION CONTROL VALVES (2-1/2" AND SMALLER): BRONZE TWO-PIECE BALL TYPE 250 PSI WSP, THREADED ENDS, AND SOLDERED JOINT END SIMILAR TO CONBRACO, APOLLO 70-300 SERIES.</li> </ul>	FROM 3. UPON AND L
WHICH AFFECT HIS WORK.	B. CHECK VALVES: BRONZE SWING TYPE, 125 PSI, SIMILAR TO STOCKHAM NO. B-319.	14. ESCUTCHEONS
E INSTALLATION OF THE WORK TO THE	<ul> <li>C. THROTTLING VALVES: GLOBE BRONZE, SOLDER ENDS, CLASS 125 SIMILAR TO STOCKHAM NO. B-14T.</li> </ul>	A. INSTALL E WALLS, F
N INSTALLING PIPING IN FINISHED WALLS,	D. GAS VALVES:	SCREWS. B. ESCUTCHE
RDER TO CONNECT NEW PIPING TO EXISTING EAST INTERFERENCE WITH ESTABLISHED (ICE SHUTDOWNS SHALL BE SUPERVISED AS OR SHALL GIVE NOTICE 48 HOURS PRIOR TO	1. FOR GAS PIPING, 2" SIZE AND SMALLER, A TOP ENTRY VALVE, CRANE "ACCESSO" WITH BUENA "N" SEAT IN CARBON STEEL BODY AND FIXED HANDLE, SHALL BE USED.	1. FINISH 2. UNFINI
TO CONNECT NEW PIPING TO EXISTING	<ol> <li>VALVES FOR GAS PIPING, 2-1/2" AND LARGER SHALL BE IRON, THREADED END CONSTRUCTION, LUBRICATED PLUG COCK WITH SQUARE HEAD OPERATING PLUG. VALVE SHALL BE RATED AT 2003 W.O.G. VALVE SHALL BE WALWORTH CO. NO. 1700F.</li> </ol>	15. VACUUM BREAK
EAST PLUMBING CONTRACTOR SHALL PAY ALL RY FOR THE COMPLETION OF ALL WORK	10. INSULATION (INDOORS):	A. VACUUM TO WATTS
BTAIN ALL PERMITS AND APPROVALS	A. COLD, HOT WATER PIPING, HORIZONTAL STORM PIPING AND HORIZONTAL FLOOR DRAIN WASTE PIPING IN MECH. ROOMS.	B. VACUUM TO WATTS
HOWN ON THE CONTRACT DRAWINGS. FOR COORDINATING HIS WORK WITH THE	1. JOHN MANSVILLE MICRO-LR 850 FIBERGLASS PIPE INSULATION TYPE AP-T, 1 INCH THICK COMPOSITE INSULATION. FIRE AND SMOKE HAZARD RATING NOT TO EXCEED A FLAME SPREAD	C. PROVIDE
THER TRADES. PMENT WHERE SHOWN ON THE CONTRACT	OF 25 OR SMOKE DEVELOPMENT OF 50. B. COLD, HOT WATER, HORIZONTAL STORM PIPING FITTINGS AND VALVES.	16. DISINFECTION
S AND RISERS.	1. JOHN MANSVILLE PRE-CUT, HI-LO TEMP INSULATION INSERTS AND ZESTON 25/50 RATING PVC	A. DISINFECT OF LOCAL
CATIONS OF PLUMBING FIXTURES AND PIPING. WNER UPON COMPLETION OF INSTALLATION ONE SET OF REPRODUCABLES. IN ADDITION	INSULATED FITTING COVERS. 11. <u>HANGERS:</u>	17. DISSIMILAR MET A. PROVIDE
DNS IN AUTOCAD 2004.	A. EXCEPT AS OTHERWISE INDICATED, PROVIDE FACTORY FABRICATED HANGERS, CLAMPS, RODS, BUILDING ATTACHMENTS, SADDLES AND SHIELDS COMPLYING WITH ANSI MSS-SP-58. CONTRACTOR	18. INSTALLATION
AND ALL OTHER TRADES FOR THIS PROJECT.	SHALL SELECT AND APPLY HANGERS AND SUPPORTS IN ACCORDANCE WITH MSS-SP-69.	A. ALL DRAII FOOT, UN
BECOME FULLY INFORMED AS TO THE EXTENT BMITTAL OF A BID IS AN AGREEMENT THAT RE FULLY UNDERSTOOD.	B. ALL HANGER, ANCHORS AND SUPPORTS SHALL BE AS MANUFACTURES BY THE FEE AND MASON COMPANY OR APPROVED EQUAL AS FOLLOWS:	PER FOO
ATERIALS SPECIFIED, OR UNSPECIFIED, CONTRACT DOCUMENTS IN ACCORDANCE WITH	1. ALL BARE HORIZONTAL CAST IRON PIPING SHALL BE HUNG WITH FIG. #239 ADJUSTABLE GALVANIZED STEEL HANGERS.	B. ALL DRAII WITH LON EXISTING
	2. ALL INSULATED HORIZONTAL PIPING SHALL BE HUNG WITH FIG. #239 ADJUSTABLE GALVANIZED STEEL CLEVIS HANGERS WITH FIG. #71 RIGID INSULATION SADDLE. SADDLE BA S 180° SECTION	C. ALL VENT
L CONDITIONS WHICH MAY INTERFERE WITH ECUTION AND COMPLETION OF THE WORK OF AND ALL SUCH CONDITIONS HAVE BEEN	OF 1 INCH POLYURETHANE FOAM, ALUMINUM FACED, WATERPROOF JACK EXTENDING ALL AROUND A 180° SECTION OF GALVANIZED METAL SHIELD. SHIELD AND SECTION OF INSULATION SHALL BE FIBERGLASS AS SPECIFIED IN INSULATION SECTIONS OF THE SPECIFICATION.	D. ALL WATE SHALL BE PIPING SF
RY CONDITIONS WILL BE CONSIDERED AS AN	3. VERTICAL LINES SHALL BE SUPPORTED BY MEANS OF RISER CLAMPS. RISER CLAMPS SHALL FIT EXACT PIPE SIZE OR BARE PIPES. FOR CAST IRON PIPES USE FIG. #241. TWO BOLT,	E. ALL CON
NSTITUTES ACCEPTANCE OF THE BASE OR SATISFACTORY IN EVERY RESPECT AND LATER	GALVANIZED BLACK STEEL CLAMPS OR FIG. #368 CARBON STEEL COPPER PLATED RISER CLAMP. 4. RODS FOR PIPE HANGERS SHALL BE FIG. #263. CONTINUOUS THREADED ROD, GALVANIZED STEEL SIZED FOR THE LOAD REQUIRED.	F. ALL PIPIN G. NO PIPIN TESTS HA
LLOWED. SCRIBED THE GENERAL ARRANGEMENT AND	C. INSTALLATION	APPROVEI
S, PIPING ETC. EXACT LOCATIONS MAY BE	1. ATTACH HANGER RODS TO THE BUILDING IN A MANNER APPROVED BY THE ARCHITECT. 2. DO NOT HANG PIPING FROM DUCTWORK OR OTHER PIPING.	H. NO DEAD
HE OWNER, MAKE ALL REASONABLE TO PREVENT CONFLICT WITH THE WORK OF DF THE WORK.	3. THE CONTRACTOR MAY COORDINATE WITH THE OTHER WORK OR EXISTING PIPING TO USE A COMMON MEANS OF SUPPORT. SUBMIT FOR APPROVAL ALL PERTINENT DESIGN DATA RELATING TO THE SUPPORT AS WELL AS VERIFICATION OF THE RESPONSIBILITY FOR THE SUPPORT.	A. CERTAIN SECTIONS
	4. HANGERS SHALL NOT PENETRATE INSULATION	B. TRASNMIT FOR WOR INSTALLAT
FURER AND ASTM STANDARD. EACH FULL TYPE ST, STAMPED OR ROLLED ON.	D. INTERVAL OF SUPPORTS	C. ALL NEW
MBOL AND PRESSURE RATING CAST, STAMPED	<ol> <li>HORIZONTAL PIPING SHALL BE SUPPORTED AT INTERVALS AS FOLLOWS:</li> <li>a. CAST IRON PIPE SHALL BE SUPPORTED AT 5 FT. INTERVALS</li> </ol>	20. TESTING AND E
	b. COPPER TUBING SHALL BE SUPPORTED AT 6 FT. INTERVALS	A. PROVIDE BALANCIN
NG AND EQUIPMENT WHERE INDICATED ON CKS AND RISERS.	2. ADDITIONAL HANGERS TO PREVENT SAGGING WILL BE ADDED AS REQUIRED.	CODE. TE SUCH OT
E WITH BUILDING CODE REQUIREMENTS.	12. SLEEVES A. PROVIDE SLEEVES FOR ALL PIPES PASSING THROUGH FLOORS, WALLS AND PARTITIONS.	B. NOTIFY TH REQUIRED
STALLATION OF NEW PIPING.	<ol> <li>1. SLEEVES THROUGH WALLS, AND WHERE SERVING EXPOSED PIP PENETRATING FLOORS SHALL BE SCHEDULE 40 STEEL PROVIDED WHERE NECESSARY.</li> </ol>	TESTS. C. TESTS SH PIPING AN
	2. SLEEVES WITHIN FURRED OUT ENCLOSURE SHEET ROCK PARTITIONS AND BLOCK WALLS SHALL BE 18 GAUGE GALVANIZED SHEET METAL.	D. ALL DEFE
	B. PROVIDE OPENINGS WITH AN I.D. AT LEAST 1/2 INCH GREATER THAN THE OUTSIDE OF THE PIPE SERVED.	REPEATED OF THE (
	C. DO NOT SUPPORT PIPES BY RESTING PIPE CLAMPS ON SLEEVES.	E. ANY DAM REPLACED DETERMIN
	13. PLUMBING FIXTURES AND TRIM	21. SUBSTITUTION
FOR REVIEW AND APPROVAL PRIOR TO	A. PLUMBING FIXTURES AND TRIM 1. FURNISH AND INSTALL NEW PLUMBING FIXTURES AND TRIM WHERE SHOWN ON THE CONTRACT	A. THE PRO MATERIALS
ONTRACTOR OF INSTALLATION	DRAWINGS. THE ARCHITECT'S INTERIOR FINISH DRAWINGS SHALL BE FOLLOWED FOR THE LOCATION OF ALL NEW FIXTURES.	NAMES AI SUBMITTE 22. VALVE TAGS AN
FOR THE ON-TIME DELIVERY OF HIS	2. FIXTURES SHALL BE SET LEVEL AND SQUARE WITH RELATION TO FINISHED FLOOR AND WALL LINES.	A. EACH VAL
SAFE STORAGE OF ALL EQUIPMENT, FIXTURES,	3. FAUCETS SHALL BE CHROME-PLATED BRASS, MONEL OR STAINLESS MATERIALS SHALL BE THOROUGHLY CLEANED AND POLISHED BEFORE PLATING. PLATE SHALL BE HEAVY, THOROUGHLY	NUMERAL CHAIN. E/
E DIRECTED BY THE OWNER'S	AND EVENLY APPLIED, AND GUARANTEED NOT TO STRIP OR PEEL. PLATED WORK SHALL BE HIGHLY BUFFED. FAUCETS SHALL HAVE METAL INDICES AND SHALL BE OF THE RENEWABLE SEAT TYPE.	B. THE CON SHOWING
NG HANDLING, STORAGE OR INSTALLATION TOR AT NO COST TO THE OWNER.	4. EACH FIXTURE SUPPLY CONNECTION SHALL BE PROVIDED WITH INDIVIDUAL SHUT-OFF OR STOP VALVES.	23. SLEEVE FIRE S
	5. ESCUTCHEONS SHALL BE ONE PIECE CAST BRASS CHROMIUM—PLATES AND SHALL BE PROVIDED WITH SET SCREWS TO PROPERLY HOLD ESCUTCHEON IN PLACE.	A. ALL SLEE ASTM TES UNPENETF
CTOR SHALL GUARANTEE AND CERTIFY THAT S IS FREE FROM DEFECTS FOR A PERIOD OF	6. BEFORE FINAL ACCEPTANCE, ADJUST FIXTURE STOPS FOR AN AMPLE NON-SPLASHING FLOW.	B. FIRESTOP
ACCEPTANCE. THE PLUMBING CONTRACTOR O BE DEFECTIVE FOR THAT PERIOD OF TIME. YMENT TO THE CONTRACTOR IS MADE.	7. WHERE WASTE, VENT OR WATER SUPPLY PIPING IS EXPOSED TO VIEW AT FIXTURES, THE PIPES ALL BE CHROMIUM-PLATED. NO COVER TUBING WILL BE PERMITTED.	C. FIRESTOP
	8. NECESSARY CARRIERS, BRACKETS, PLATES, CLEATS, BOLTS, ETC. SHALL BE FURNISHED FOR SECURING FIXTURES RIGIDLY IN PLACE.	
FIRST CLASS MANNER	CESSAINS FINTENES MODEL IN FEACE.	

B. PIPE AND FITTINGS SHALL CONFORM TO THE LATEST ASA, ASTM, AND/OR FS STANDARD. IN

ADDITION ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE

9. SPACES BETWEEN PLUMBING FIXTURES AND FLOORS, WALLS OR COUNTERS SHALL BE SEALED WITH A WATERPROOF SEALANT TO PREVENT WATER SEEPAGE.

10. PROVIDE VACUUM BREAKERS WHERE REQUIRED FOR SUBMERGED INLETS. XTURE INSTALLATION

EACH FIXTURE SHALL BE INDIVIDUALLY CONTROLLED WITH INDIVIDUAL STOPS.

THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLUMBING FIXTURES FROM DAMAGE.

UPON COMPLETION OF INSTALLATION AND TESTING, PLUMBING FIXTURES SHALL BE CLEANED AND LEFT IN FIRST CLASS CONDITION AND IN WORKING ORDER.

STALL ESCUTCHEONS ON BOTH SIDES OF CONSTRUCTION WHEREVER PIPES PASS THROUGH ALLS, FLOORS, PARTITIONS OR CEILINGS. ESCUTCHEONS SHALL BE HELD IN PLACE WITH SET REWS. TAKE SPECIAL CARE TO PROTECT ESCUTCHEONS DURING THE COURSE OF CONSTRUCTION.

SCUTCHEON APPLICATION SCHEDULE FINISHED SPACES SHALL BE POLISHED BRASS.

UNFINISHED SPACES SHALL BE PLAIN BRASS OR CAST IRON.

BREAKER

CUUM BREAKER (TYPE A) – CAST BRASS CHROME PIPE IS EXPOSED TO PUBLIC VIEW SIMILAR WATTS NO. 800MCQT. (CONSTANT PRESSURE VACUUM BREAKER).

ACUUM BREAKER (TYPE B) – CAST BRASS CHROME PIPE IF EXPOSED TO PUBLIC VIEW SIMILAR WATTS NO. 909-S.

ROVIDE WHERE INDICATED ON THE DRAWINGS

TION

SINFECTION INTERIOR POTABLE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH REQUIREMENTS LOCAL BUILDING CODE.

AR METALS

ROVIDE ISOLATION FLANGES FOR CONNECTIONS WITH ANY DISSIMILATION METALS.

TION

DRAINAGE PIPING 3" AND LARGER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/8" PER OT, UNLESS OTHERWISE INDICATED. ALL DRAINAGE PIPING AT 2" AND SMALLER PITCH AT 1/4" R FOOT MINIMUM.

DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE EASY BENDS ITH LONG TURN FITTINGS. DRAINAGE PIPING AT FIRST FLOOR CEILING SHALL BE RUN AS HIGH AS (ISTING CONDITIONS WILL PERMIT.

VENT PIPES SHALL BE GRADED TO FREE THEMSELVES OF ANY WATER OR CONDENSATION.

WATER PIPING SHALL RUN FREE OF TRAPS AND UNNECESSARY BENDS. ANY TRANSFORMED ALL BE PROVIDED WITH VALVES TO COMPLETELY DRAIN THE SYSTEM. ALL HOT AND COLD WATER PING SHALL BE SEPERATED BY A MINIMUM OF 6" ON CENTER.

CONNECTIONS BETWEEN DISSIMILAR METALS SHALL BE MADE WITH DIELECTRIC UNIONS.

PIPING SHALL HAVE REDUCING FITTINGS. NO BUSHING WILL BE PERMITTED ON ANY PIPING. PIPING OR WORK OF ANY KIND SHALL BE CONCEALED OR COVERED UNTIL ALL REQUIRED

STS HAVE BEEN SATISFACTORILY COMPLETED AND THE WORK HAS BEEN INSPECTED AND PROVED BY THE OWNER'S REPRESENTATIVE AND ALL AUTHORITIES HAVING JURISDICTION.

DEAD ENDS SHALL BE LEFT ON ANY DRAINAGE PIPE UPON COMPLETION OF THE WORK. VATION

ERTAIN MATERIALS WILL BE FURNISHED, INSTALLED OR FURNISH INSTALLED, UNDER OTHER ECTIONS. EXAMINE THE CONTRACT DOCUMENTS TO ASCERTAIN THESE.

ASNMIT TO THE TRADES DOING THE WORK OF OTHER SECTIONS ALL THE INFORMATION REQUIRED OR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLE TIME FOR THEIR STALLATION.

NEW WORK SHALL BE COORDINATED WITH EXISTING CONDITIONS

AND BALANCING

ROVIDE LABOR MATERIALS, INSTRUMENTS, POWER, ETC. AS REQUIRED FOR TESTING AND LANCING. ALL PIPING AND EQUIPMENT SHALL BE TESTED AS REQUIRED BY THE LOCAL BUILDING DE. TESTS SHALL BE PERFORMED IN THE PRESENCES OF THE OWNER'S REPRESENTATIVE AND UCH OTHER PARTIES AS MAY HAVE LEGAL JURISDICTION.

OTIFY THE OWNER'S REPRESENTATIVE AT LEAST 48 HOURS IN ADVANCE OF MAKING THE EQUIRED TESTS, SO THAT ARRANGEMENTS MAY BE MADE FOR THEIR PRESENCE TO WITNESS THE STS.

STS SHALL BE APPLIED TO COMPLETED OR PARTIALLY COMPLETED SYSTEMS. IN NO CASE SHALL PING AND EQUIPMENT BE SUBJECTED TO PRESSURES EXCEEDING THEIR RATING.

DEFECTIVE WORK SHALL BE PROMPTLY REPAIRED OR REPLACED AND THE TESTS SHALL BE PEATED UNTIL THE PARTICULAR SYSTEM AND ALL COMPONENTS PARTS RECEIVE THE APPROVAL THE OWNER'S REPRESENTATIVE.

NY DAMAGES RESULTING FROM TESTS SHALL BE REPAIRED AND/OR DAMAGED MATERIALS PLACED. ALL TO THE SATISFACTION OF THE OWNER. THE DURATION OF TESTS SHALL NE AS TERMINED BY ALL AUTHORITIES HAVING JURISDICTION.

JTION OR SPECIFIC MATERIALS

E PRODUCTS AND/OR MATERIALS LISTED IN THESE SPECIFICATIONS REPRESENT DESIRED TERIALS AND CONSTRUCTION STANDARDS FOR THE VARIOUS ITEMS OR WORK. MANUFACTURER MES AND MODEL NUMBERS ARE USED TO DESCRIBE, TYPES, STYLES AND QUALITY. MATERIALS JBMITTED FOR APPROVAL OTHER THAN SPECIFIED HEREIN MUST OR EXCEED THESE STANDARDS. TAGS AND CHART

ACH VALVE, EXCEPT VALVES AT FIXTURES, WILL HAVE A 2" DIAMETER. BRASS TAG WITH 1" HIGH JMERAL STAMPED THEREON, SECURED TO THE VALVE BY MEANS OF BRASS S HOOK OR BRASS HAIN. EACH SYSTEM TO HAVE A LETTER DESIGNATION AS WELL.

E CONTRACTOR SHALL FURNISH AN APPROVED, NEATLY DRAWN VALVE CHART, PROPERLY FRAMED IOWING THE USE AND LOCATION OF EACH VALVE THAT IS TAGGED. FIRE STOPPING

SLEEVES THROUGH RATED WALLS OR PARTITIONS SHALL FORM A U.L. (UL 1479 & ASTM E814 TM TESTED) CLASSIFIED FIRESTOP CAPABLE OF RETURNING THE WALL PARTITION BACK TO ITS IPENETRATED FIRE RESISTANCE.

RESTOPPING CAULK SHALL BE SIMILAR TO 3M CP 25WB + CAULK.

RESTOPPING WRAP SHALL BE SIMILAR TO 3M FS-195 + WRAP/STRIP

