

FIRST FLOOR
MECHANICAL PLAN
1/8"=1'-0"

REVISED: NO.

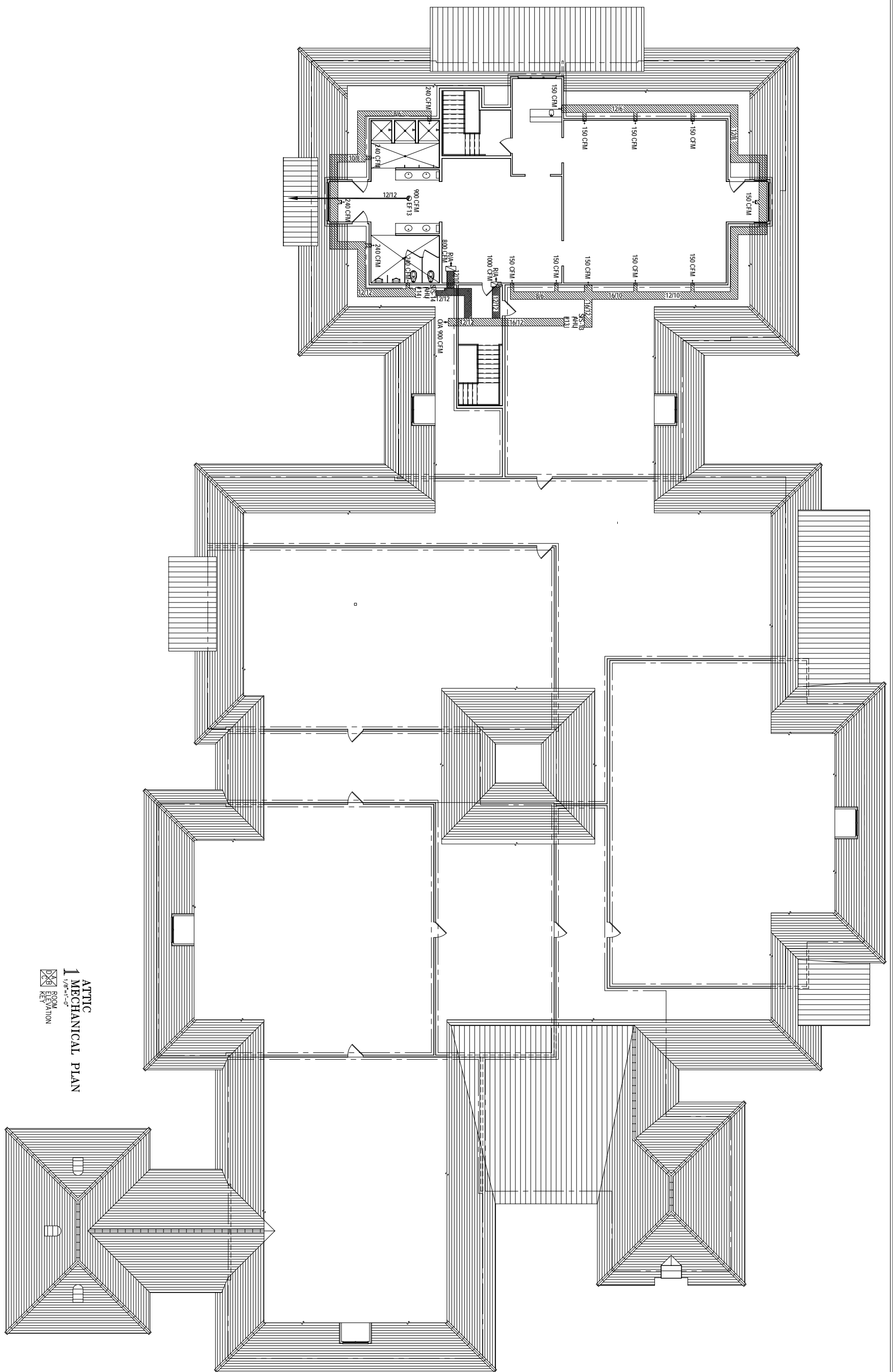
M-1

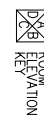
DRAWING NO. DAMMON
PROJECT: 1833
SCALE: DATE: 1-26-07
FOLIO: FOLIO

TCHEFUNCTA COUNTRY CLUB
NEW CLUBHOUSE
COVINGTON, LOUISIANA

DAMMON ENGINEERING, INC.
1095 FLORIDA AVENUE 685-649-6688 SLIDELL, LA. 70469
DAMMONENGINEERING.COM

M-1




 ATTIC
 1 MECHANICAL PLAN
 1/8" = 1'-0"
 ROOM KEY
 ELEVATION

REVISED: NO.

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DRAWING: NO.
 DRAWN: NAME
 PROJECT: 1833

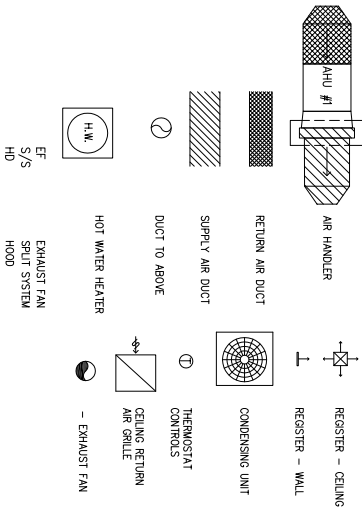
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MECHANICAL LEGEND



EXHAUST FAN SCHEDULE				
MARK	CFM	SP	HP	TYPE
EF1	800	3/8	1/4	CEILING
EF2	800	3/8	1/4	CEILING
EF3	600	1/4	1/2	WALL
EF4	950	1/4	1/2	WALL
EF5	2000	1/4	1/2	WALL
EF6	1000	1/4	1/2	WALL
EF7	400	3/8	1/4	CEILING
EF8	600	1/4	1/2	WALL
EF9	1200	1/4	1/2	WALL
EF10	1600	1/4	1/2	WALL
EF11	1600	1/4	1/2	WALL
EF12	500	3/8	1/4	CEILING 2 RECD
EF13	900	3/8	1/4	CEILING

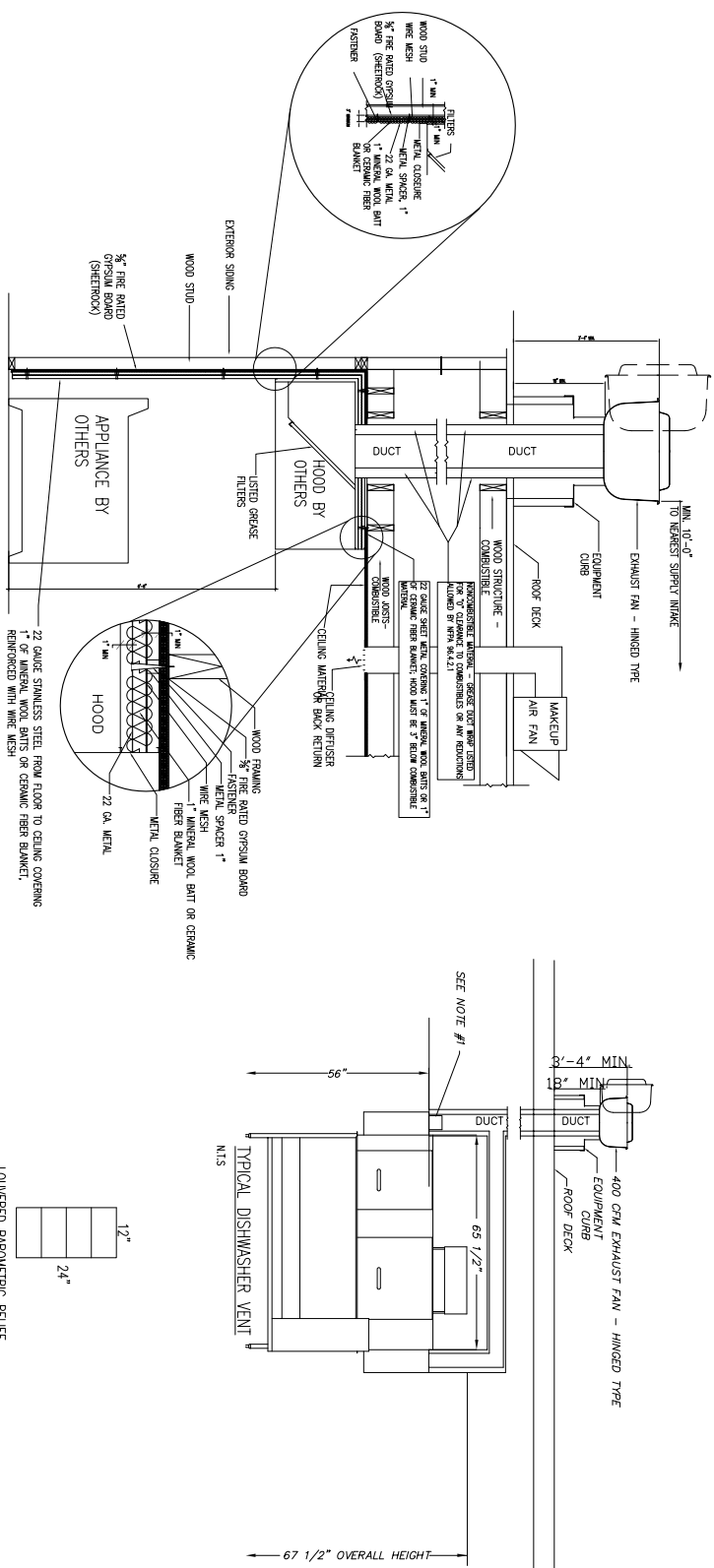
HVAC NOTES

1. CONCEALED DUCTWORK TO BE UL-181, CLASS 1, FIBERGLASS DUCTBOARD. DUCTS SHALL BE SIZED TO LIMIT MAIN DUCTS TO 1000 CFM & SECONDARY DUCTS TO 800 CFM. TO BE INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL PER SMACNA STANDARDS. LINE WITH NEOPRENE COATED 1.0" - 1.5 POUNDS PER CUBIC FOOT DUCT INSULATION.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125 °F FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
11. EXHAUST FAN EQUAL TO BROAN MODEL NO. 100 CF. OR EQUAL. FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCH. DWGS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. INSTALL FIRE DAMPER WHERE S.A. & R.A. DUCTS PENETRATE 1 HOUR RATED CEILING.
18. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).

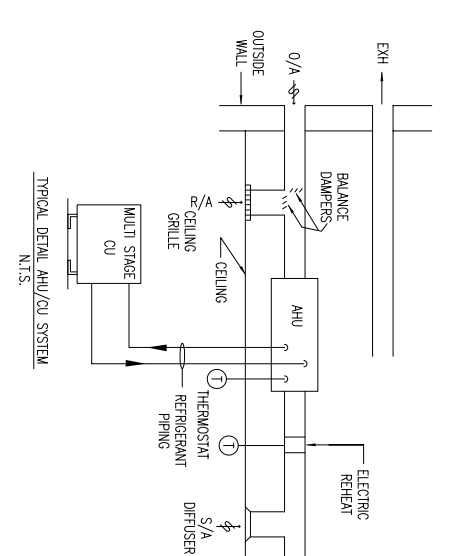
SPLIT SYSTEM AIR HANDLER UNIT/ CU SCHEDULE

AHU NO.	AREA	SEN	LAT	TOTAL	CFM	O/A	HEAT	REHEAT	ESP	FAN HP	YORK MODEL AHU	TON	CU
1	GOLF SHOP	52	46	98	2420	800	59	15	.44	1.50	KEU 090	7.5	
2	FITNESS	58	34	92	3046	600	50	13	.48	1.50	KEU 090	7.5	
3	LADIES' LOCKER	52	34	86	2655	600	42	12	.30	1.50	KEU 090	7.5	
4	BAR	66	55	120	3141	930	77	14	.38	2.00	KEU 120	10	
5	INFORM. DINING.	54	36	90	2970	450	101	13	.34	1.50	KEU 090	7.5	
6	FOUNDER	60	57	117	2800	1000	99	12	.35	2.00	KEU 120	10	
7	KITCHEN	73	46	119	3740	600	14	8	.30	0.75	KEU 060	5	
8	CHEF OFFICE	31	5	36	1933	400	13	9	.30	0.75	KEU 060	5	
9	BANQUET	31	31	62	1565	400	3	7	.49	0.75	KEU 060	5	
10	BANQUET	30	30	60	1500	400	25	8	.43	0.75	KEU 060	5	
11	BANQUET	30	30	60	1806	400	32	10	.43	0.75	KEU 060	5	
12	RECEPTION AREA	62	57	119	2832	1000	73	12	.26	2.00	KEU 120	10	
13	2ND FLOOR LOCKER	28	28	56	1500	500	37	5	.37	0.75	KEU 060	5	
14	2ND FLOOR SHOWER	21	23	44	1200	400	28	4	.31	0.75	KEU 060	5	
15	BANQUET	69	72	141	1600	1600	86	-	0.50	2.00	SELECT BY CONTRACTOR	12	
16	BANQUET	69	72	141	1600	1600	86	-	0.50	2.00	SELECT BY CONTRACTOR	12	
17	INFO. DINE BANQUET	69	72	141	1600	1600	86	-	0.50	2.00	SELECT BY CONTRACTOR	12	
TOTALS:												142	

MBH = 1000 BTU/HR
AHU/ CU = HORIZONTAL AIR HANDLER/ CONDENSING UNIT



- GENERAL NOTES**
1. CONTRACTOR TO RELIABLY SUPPORT AHU IN ATTIC SPACES.
 2. CONTRACTOR TO PROVIDE THERMOSTATS, FAN SWITCHES AND ANY OTHER CONTROLS AS REQUIRED FOR THE UNIT.
 3. DUCT PENETRATION OF FIRE AND/OR RATED WALLS SHALL BE PROTECTED WITH APPROVED FIRE-RATED ASSEMBLIES.
 4. CONDENSING UNIT TO BE SIZED TO ACCOMMODATE REQUIREMENTS OF THE AHU.
 5. REFRIGERANT PIPING TO CONTAIN BACK PRESSURE VALVE, TIL VALVE, BLOCK VALVES, SIGHT GLASS, ELECTRIC VALVE, DRYER STRAINER AND ANY OTHER PIPING FOR PROPER OPERATION.



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