

LEGEND		
ABBR	SYMBOL	DESCRIPTION
CHS		CHILLED WATER SUPPLY
CHR		CHILLED WATER RETURN
HS		HOT WATER SUPPLY
HR		HOT WATER RETURN
D		DRAIN
ICW		INDUSTRIAL COLD WATER
CS		CONDENSER WATER SUPPLY
CR		CONDENSER WATER RETURN
PD		PUMPED DRAIN
CONT V		CONTROL VALVE
SOV		SHUT-OFF VALVE
TV		THROTTLING VALVE
CV		CHECK VALVE
REL V		RELIEF VALVE
STR		STRAINER
FPC		FLEXIBLE PIPE CONNECTION
UNION		UNION
AV		AIR VENT
RED		REDUCER
PG		PRESSURE GAUGE
TH		THERMOMETER
TW		TEST WELL (PETE'S PLUG)
FSW		FLOW SWITCH
T-STAT		THERMOSTAT
S		SPACE TEMPERATURE SENSOR W/ PLUG-IN PORT
H		SPACE HUMIDITY SENSOR
FLFD		FUSIBLE TEMP. LINK FIRE DAMPER
DD		DUCT MOUNTED SMOKE DETECTOR
FSD		COMBINATION FIRE/SMOKE DAMPER
AUTO D		MOTORIZED DAMPER
MVD		MANUAL VOLUME DAMPER
RE-D		MVD WITH REMOTE CEILING OPERATOR
OBD		OPPOSED BLADE DAMPER
BDD		BACKDRAFT DAMPER
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
OA		OUTSIDE AIR
SW		SIDEWALL
LD		LINED DUCTWORK/PLENUM
		WATER TEMPERATURE SENSOR
RHG		REFRIGERANT HOT GAS
RL		REFRIGERANT LIQUID

GENERAL NOTES	
1.	DO NOT SCALE DRAWINGS.
2.	CONTRACTOR SHALL COORDINATE WORK INDICATED HEREON W/ PLUMBING, ELECTRICAL & FIRE PROTECTION SECTIONS. SUBMIT 1/4" SCALE SHOP DRAWINGS FOR DUCT SYSTEMS, DIMENSIONED TO INCORPORATE THE WORK OF OTHER TRADES. INDICATE SPACES RESERVED FOR FIRE SPRINKLER, PIPING & ELECTRICAL CONDUIT MAINS.
3.	UNLESS NOTED OTHERWISE, BRANCH DUCTS TO INDIVIDUAL TERMINALS, DIFFUSERS AND GRILLES SHALL BE SAME SIZE AS NECK INLET.
4.	PROVIDE EQUIPMENT SCHEDULED OR INDICATED ON THE DRAWINGS BUT NOT INCLUDED WITHIN THE SPECIFICATIONS. INSTALLATION SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE SUBMITTALS.
5.	ELECTRICAL CHARACTERISTICS OF MECHANICAL EQUIPMENT SHALL BE VERIFIED WITH ELECTRICAL DRAWINGS PRIOR TO EQUIPMENT ORDER RELEASE. ADDITIONAL ELECTRICAL WORK RESULTING FROM EQUIPMENT SUBSTITUTION IS THE RESPONSIBILITY OF THIS CONTRACTOR.
6.	LENGTH OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO 5'-0" MAX. HORIZONTAL RUN WITH ONLY ONE 90° ELL. PERMITTED. SECURE FLEXIBLE DUCTWORK WITH SCREWS & DRAWBANDS.
7.	DUCT SIZES INDICATED ARE NET INSIDE CLEAR DIMENSIONS.
8.	PROVIDE CEILING OPERATORS FOR INACCESSIBLE M.V.D.'s WHERE INDICATED, EQUAL TO YOUNG REGULATOR, REMOTE GEAR OPERATED, WITH CEILING ESCUTCHEON.
9.	ITEM DESIGNATIONS INDICATED HEREON ARE FOR PURPOSES OF THESE DOCUMENTS ONLY. CONTRACTOR SHALL VERIFY W/ OWNERS REPRESENTATIVE ACTUAL "TAGGING" INFORMATION TO BE PROVIDED FOR EACH ITEM OF MECHANICAL EQUIPMENT PRIOR TO NAMEPLATE ORDER RELEASE.
10.	CEILING DIFFUSERS SHALL BE 36" MIN. FROM CEILING MOUNTED SMOKE DETECTORS. COORD. W/ DIV. 16.
11.	SECURE DIFFUSERS & GRILLES TO T-BAR CEILINGS, WHERE APPLICABLE. SUBMIT SHOP DWG. FOR APPROVAL PRIOR TO BEGIN WORK.
12.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LOCATION OF GRILLES & DIFFUSERS IN CEILING, AS WELL AS ACCESS DOORS.
13.	COORDINATE EQUIP. DIMENSIONS AND LAYOUT W/ PLUMBING SECTION WHERE FLOOR SINKS ARE INDICATED.
14.	WHERE PIPES OR DUCTS PASS THROUGH FIRE-RATED FLOOR OR WALLS, SEAL W/ MATERIALS EQUAL TO 3M FIRE BARRIER, MEETING TESTING PER ASTM-E-814 (UL 1479). USE CAULK OR PUTTY TYPE.
15.	PROVIDE 18" X 18" MIN. ACCESS DOOR IN INACCESSIBLE CEILINGS AND WALLS FOR EQUIP. REQUIRING ACCESS OR ADJUSTMENT. COORDINATE LOCATIONS AND SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO BEGINNING WORK.
16.	TURNING VANE RUNNERS SHALL HAVE A VANE IN EVERY SLOT IN STRICT CONFORMANCE WITH MFR.'S INSTRUCTIONS AND SMACNA DUCT CONSTRUCTION STANDARDS.
17.	VERIFY FIT OF DUCTWORK AND PIPING PRIOR TO FABRICATION.
18.	INSULATED PIPING EXPOSED TO VIEW (THROUGHOUT THE FACILITY), SHALL BE COVERED FINISHED W/ PVC JACKET EQUAL TO MANVILLE PVC/ PERMA-WELD PIPE JACKETING SYSTEM USING 30 MIL THICK JACKET. FITTINGS, FLANGES VALVES & ACCESSORIES SHALL BE JACKETED. INSTALL PER MFRS. INSTRUCTIONS W/ SEAM SO AS NOT TO BE VISIBLE FROM OCCUPIED SPACE.
19.	DUCTWORK LOCATED BEL. 7'-6" IN MECHANICAL ROOMS SHALL BE EQUIPPED W/ PADDING MATERIAL ON ALL CORNERS, EDGES & OTHER SURFACES WHICH MAY BE HAZARDOUS.
20.	COORDINATE & VERIFY ACTUAL APPROVED EQUIPMENT DIMENSIONS PRIOR TO POURING EQUIPMENT PADS.
21.	DUCT MOUNTED SMOKE DETECTORS SHALL BE ZERO VELOCITY TYPE WHERE INDICATED ON DRAWINGS.
22.	DRAIN PIPING FROM A.C. EQUIPMENT SHALL BE ROUTED SO AS NOT TO CREATE A TRIPPING HAZARD. COORDINATE ACTUAL DRAIN CONNECTIONS WITH PLUMBING SECTION. COORDINATE FLOOR SINK LOCATIONS ACCORDINGLY.
23.	CONDENSATE DRAIN TRAPS SHALL BE 3" DEEP, MINIMUM.
24.	COORDINATE ALL CHASE, SLEEVE AND SLAB BLOCKOUT REQUIREMENTS BEFORE CONCRETE IS POURED OR BLOCK IS SET.
25.	PROVIDE ACCESS DOOR IN DUCTWORK UPSTREAM OF EACH REHEAT COIL. DUCTMATE METU ROUND DUCT ACCESS DOOR.

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GENERAL NOTES, CONT'D.		
26.	DUCTWORK VISIBLE BEHIND DIFFUSERS, REGISTERS, OR GRILLES SHALL BE PAINTED FLAT BLACK.	
27.	REFER TO EQUIPMENT DRAWINGS, SPECS. & SHOP DRAWINGS FOR CONNECTIONS TO EQUIPMENT.	
28.	MANUAL VOLUME DAMPERS AND VALVES ON INSULATED DUCTWORK AND PIPING SHALL HAVE EXTENDED STEMS TO ALLOW FOR THE INSULATION THICKNESS. PROVIDE MIN. 12" LONG RED RIBBON QUADRANT LOCATOR ON VOLUME DAMPER HANDLES.	
29.	PIPING AND DUCTWORK SUPPORTED BELOW THE ORCHESTRA SEATING, LOGE SEATING, BALCONY SEATING, STAGE AND SUPPLY AIR PLENUM SHALL BE RESILIENTLY SUSPENDED FROM THE STRUCTURE.	
30.	PIPING SYSTEMS CONNECTED TO ROTATING AND OR VIBRATING EQUIPMENT SHALL BE CONNECTED WITH FLEXIBLE CONNECTIONS.	
31.	ANY DUCT OR PIPING SYSTEM WHICH IS LOCATED IN THE THEATER, THEATER SUPPLY PLENUM, THEATER CEILING PLENUM OR STAGE HOUSE SHALL BE LAGGED OR ENCLOSED IN DRY WALL AND RESILIENTLY SUPPORTED.	
32.	PIPE SIZE SHALL BE MAINTAINED UNTIL A LOWER SIZE IS INDICATED ON PLANS OR SCHEDULES.	
33.	WHERE THE REQUIREMENT FOR DUCT LAGGING OR DRYWALL ENCLOSURE IS INDICATED IN SPECIFICATION OR ON DRAWINGS, EITHER DUCT LAGGING OR DRYWALL ENCLOSURES MAY BE USED. REFER TO SPECIFICATION SECTION 15070 FOR LAGGING AND DUCT WORK ENCLOSURE FOR SOUND PROOFING REQUIREMENTS.	
34.	WHERE A DRYWALL ENCLOSURE OR DUCT LAGGING IS NOTED TO EXTEND FROM OR TO A SOUND ATTENUATOR, THE LAGGING OR ENCLOSURE SHALL COVER THE ENTIRE SOUND ATTENUATOR.	

SHEET INDEX		
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**THE SAENGER
THEATRE RENEWAL
PROJECT**

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SHEET TITLE:
**SHEET INDEX,
LEGEND &
GENERAL NOTES**

M-0.00

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REVISED ENTIRE SHEET