FAN COIL SCHEDULE

ITEM	MANUFACTURER MODEL NUMBER	SERVICE LEVEL/ ROOM NAME	CFM	ESP (IN. WC)	COOLING COIL					HEATING COIL					MOTOR			OUTSIDE AIR	NOTES
					ENT. AIR (°FDB/°FWB)	SENSIBLE MBH	ENT. WTR. (°F)	GPM	MAX. WPD (FT. WC)	LEV. AIR (°FDB)	TOTAL MBH	ENT. WTR. (°F)	GPM	MAX. WPD (FT. WC)	NO.	H.P.	VOLTS/PHASE		
FC 25	INTERNATIONAL HBC16	UPPER BALC./ ELECT. ROOM	1600	0.75	76/67	28.4	45	8	2.7	–	–	–	–	–	1	3/4	460/3	–	4
FC 26	INTERNATIONAL BPY06	UPPER BALC./ ELECT. PANEL	635	0.1	76/67	9.4	45	2	1.6	–	–	–	–	–	1	1/8	115/1	–	2
FC 27	INTERNATIONAL BPY04	UPPER BALC./ LADIES ROOM	365	0.18	76/67	6.2	45	1	3.3	102.9	13.1	180	1	0.6	1	1/8	115/1	60	1
FC 28	INTERNATIONAL HPY16	LOGE/ DIMMER ROOM	1565	0.5	76/67	24.9	45	5	1.0	–	–	–	–	–	2	1/5	115/1	–	2
FC 29	INTERNATIONAL HBC20	UPPER BALC./ BLOWER ROOM	2000	0.75	76/67	34.1	45	8	3.2	–	–	–	–	–	1	1	460/3	–	4
FC 30	INTERNATIONAL HBC12	UPPER BALC./ SERVER ROOM	1200	0.25	76/67	21.6	45	6	4.1	–	–	–	–	–	1	3/4	460/3	–	
FC 31	INTERNATIONAL HBC12	BASEMENT/ SERVER ROOM	1200	0.25	76/67	21.6	45	6	4.1	–	–	–	–	–	1	3/4	460/3	–	
FC 32	INTERNATIONAL BPY04	UPPER BALC./ MENS ROOM	365	0.18	76/67	6.2	45	1	3.3	102.9	13.1	180	1	0.6	1	1/8	115/1	30	1
FC 33	INTERNATIONAL HBC16	UPPER BALC./ ELECT. ROOM	1600	0.75	76/67	28.4	45	8	2.7	–	–	–	–	–	1	3/4	460/3	–	4
FC 34	INTERNATIONAL VBY20	ORCHESTRA/ TRANSFORMER ROOM	2000	1.0	80/67	49.0	45	8	4.8	–	–	–	–	–	1	3/4	480/3	–	5
FC 35	INTERNATIONAL VBY20	ORCHESTRA/ TRANSFORMER ROOM	2000	1.0	80/67	49.0	45	8	4.8	–	–	–	–	–	1	3/4	480/3	–	5
FC 36	INTERNATIONAL BPY06	LOGE/ STORAGE	340	0.30	76/67	7.0	45	2	2.2	103.1	11.6	180	1	0.7	1	1/8	115/1	15	2
FC 37	INTERNATIONAL HBC16	MECHANICAL/ FOLLOW SPOT ROOM	1600	0.75	76/67	28.4	45	8	2.7	89.1	33.3	180	1	0.2	1	1	480/3	200	3
FC 38	INTERNATIONAL HBC16	MECHANICAL/ FOLLOW SPOT ROOM	1600	0.75	76/67	28.4	45	8	2.7	89.1	33.3	180	1	0.2	1	1	480/3	200	3
FC 39	INTERNATIONAL HBC20	ELEVATOR MACH./ ELEV. MACHINE RM.	2000	0.75	76/67	34.1	45	8	3.2	–	–	–	–	–	1	1	460/3	–	4
FC 40	INTERNATIONAL BPY06	UPPER BALC./ CORRIDOR	340	0.32	76/67	6.0	45	2	1.6	103.2	12.3	180	1	0.7	1	1/8	115/1	–	1
FC 41	INTERNATIONAL BPY06	UPPER BALC./ CORRIDOR	340	0.32	76/67	6.0	45	2	1.6	103.2	12.3	180	1	0.7	1	1/8	115/1	–	1

MECH. EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
A CH 1 THRU CH 10	MULTISTACK MODEL (10) ASR70X6H2A AIR COOLED WATER CHILLER (10 MODULES) TO COOL 968 GPM FROM 54°F TO 40°F (565 TOTAL TONS) AT 7' MAX. WPD, 105°F AMBIENT AND 125°F MAXIMUM REFRIGERANT SATURATION TEMPERATURE. FURN. WITH STAINLESS STEEL EVAPORATION, LIQUID LINE FILTERS/DRYERS, MULTIPLE INDEPENDENT REFRIGERATION SYSTEMS (20 TOTAL CIRCUITS) EVAPORATIVE CHILLER WATER CONTROL, REFRIGERANT RECEIVER, HOT GAS BYPASS, INTEROPERABILITY WEB PORTAL (BACKNET) EMCS INTERFACE, VARIABLE FLOW EVAPORATOR WITH MOTORIZED SUPPLY VALVE AND MANUAL RETURN VALVE, EXTENDED HEADERS, STAINLESS STEEL INLET HEADERS, R410A REFRIGERANT CHARGE. CONFIGURE FOR 2 ELECTRICAL CIRCUITS, EACH SERVING 5 MODULES, FOR 480V/3ø SERVICE. (482 MCA/600 AMPS MOCP, EACH CIRCUITS) 22,500 LBS. MAX. OPERATING WEIGHT.
B 1 B 2 B 3	LAARS MOD. RHEOS–1200 CONDENSING HOT WATER BOILER FOR 1200 MBH INPUT, 1080 MBH HEAT OUTPUT (HIGH FIRE). FURN. WITH WATER FLOW SWITCH, LOW WATER CUT–OFF WITH TEST LIGHT AND MANUAL RESETS, CAPACITY MODULATION TO 25% OF FULL FIRE, ASME STAMPED FOR 160 PSIG W.P., FACTORY MTD. AND WIRE PRIMARY PUMP FOR 115V/1ø SERVICE, PUMP TIME DELAY, AND TEMPERATURE & PRESSURE GAUGE, STAINLESS STEEL SECONDARY HEAT EXCHANGER, COPPER PRIMARY HEAT EXCHANGER, PRESSURE RELIEF VALVE (75 PSIG), INDICATOR/STATUS LIGHTS, SELECTOR SWITCH FOR INTERIOR OR EXTERIOR CONTROL (0–10 VDC), HIGH AND LOW GAS PRESSURE SWITCHES, BOILER CONTROL CIRCUIT FOR 115V/1ø SERVICE 2100 LBS. MAX. OPERATING WEIGHT.
ET 1	WESSELS MOD. NVA–1600 BOTTOM CONNECTION REPLACEABLE BLADDER HOT WATER EXPANSION TANK FOR 422 GALLON TANK & ACCEPTANCE VOLUME. ASME STAMPED FOR 125 PSIG W.P. AT 240°F. FURN. W/ 2" NPT SYSTEM CONNECTION. 0.302" CHARGING VALVE, PRE–CHARGED TO 30 PSIG, 5320# MAX. OPER. WT.
ET 2	WESSELS MOD. NVA–1400 BOTTOM CONNECTION REPLACEABLE BLADDER CHILLED WATER EXPANSION TANK FOR 370 GALLON TANK & ACCEPTANCE VOLUME, ASME STAMPED FOR 125 PSIG W.P. AT 240°F. FURN W/ 1¼" NPT SYSTEM CONNECTION, 0.302" CHARGING VALVE, PRE–CHARGED TO 30 PSIG, 4500# MAX. OPER. WT.

MECH. EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
RH 1	8,000 CFM AT 0.11" W.C. STATIC PRESSURE DROP. FURNISH W/ INTEGRAL BIRDSCREEN, BACKDRAFT DAMPER, & PREFABRICATED ROOF CURB. MAX. OPERATING WEIGHT 150 LBS.
CWP 1 THRU CWP 3	ARMSTRONG VERTICAL INLINE PUMP SERIES 4380 4X4X13L FOR 450 GPM @ 130' THD. W/ 25HP 460V/3PH MOTOR @ 1800 RPM, 125 LB CAST IRON CONSTRUCTION W/ BRONZE IMPELLER, 175 PSIG WORKING PRESSURE, MAX. 800 LB OPER. WT.
HWP 1 HWP 2	ARMSTRONG VERTICAL INLINE PUMP SERIES 4380 4X4X10 FOR 160 GPM @ 100' THD. W/ 10 HP 460V/3PH MOTOR @ 1800 RPM, 125 LB CAST IRON CONSTRUCTION W/ BRONZE IMPELLER, 175 PSIG WORKING PRESSURE, MAX. 450 LB OPER. WT.
A CU 1 THRU CU 10	CHANDLER REFRIGERATION MOD. HNH–D06–A051 FOR 9010 MBH TOTAL COMBINED HEAT REJECTION (901 MBH HEAT REJECTION, EACH) AT 105°F AMBIENT, 125°F SATURATED CONDENSING TEMPERATURE. FURN. WITH 6 FANS IN 2 ROWS (3 FANS/ROW), EACH FOR 1–1/2 HP AT 460V/3ø SERVICE, 1140 RPM (21.9 MCA/30 AMPS MOCP, EACH UNIT). UNIT SHALL BE COMPATIBLE (MATCHING COMBINATION) WITH CHILLER MODULED CH–1 THRU CH–10. FURN WITH COATED STEEL FAN GUARDS, HINGED FAN PANELS, SIDE ACCESSES PANELS, WEATHERPROOF CONTROL PANEL WITH FACTORY MTD. DOOR INTERRUPT DISCONNECT SWITCH. 2150 LBS. MAX. OPERATING WEIGHT (EACH)
IH 1	GREENHECK GRAVITY VENTILATOR MODEL FGI OR EQUAL FOR MAXIMUM 8,000 CFM AT 0.11" W.C. STATIC PRESSURE DROP. FURNISH W/ INTEGRAL BIRDSCREEN, BACKDRAFT DAMPER, & PREFABRICATED ROOF CURB. MAX. OPERATING WEIGHT 150 LBS.
IH 2	GREENHECK GRAVITY VENTILATOR MODEL FGI OR EQUAL FOR MAXIMUM 11,000 CFM AT 0.11" W.C. STATIC PRESSURE DROP. FURNISH W/ INTEGRAL BIRDSCREEN, BACKDRAFT DAMPER, & PREFABRICATED ROOF CURB. MAX. OPERATING WEIGHT 200 LBS.

MECH. EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
RH 2	GREENHECK GRAVITY VENTILATOR MODEL FGR FOR MAXIMUM 11,000 CFM AT 0.12" W.C. STATIC PRESSURE DROP. FURNISH W/ INTEGRAL BIRDSCREEN, BACKDRAFT DAMPER, & PREFABRICATED ROOF CURB. MAX. OPERATING WEIGHT 175 LBS.
ADS 1	SPIROVENT MODEL VDN400FL AIR SEPARATOR AND DIRT SEPARATOR FOR HEATING HOT WATER SERVICE, 160 GPM FLOW, 4" INLET/OUTLET, 150 PSIG MAX. WORKING PRESSURE, 270°F MAX. OPERATING TEMPERATURE. FURNISH W/ REMOVABLE LOWER HEAD FOR CLEANING. MAX. OPERATING WEIGHT 300 LBS.
ADS 2	SPIROVENT MODEL VDN1000FL AIR SEPARATOR AND DIRT SEPARATOR FOR HEATING HOT WATER SERVICE, 900 GPM FLOW, 10" INLET/OUTLET, 150 PSIG MAX. WORKING PRESSURE, 270°F MAX. OPERATING TEMPERATURE. FURNISH W/ REMOVABLE LOWER HEAD FOR CLEANING. MAX. OPERATING WEIGHT 1,100 LBS.

SCHEDULE NOTES

1. HIORIZONTAL HIDEAWAY FAN COIL UNIT. PROVIDE W/ RETURN PLENUM, 30% THROWAWAY FILTER & HANGING VIBRATION ISOLATION AS INDICATED IN SPEC.'S
2. EXPOSED HORIZONTAL FAN COIL UNIT. PROVIDE W/ ½" G.B.S. @ S.A & R.A. DUCT CONNECTION, 30% THROWAWAY FILTER & HANGING VIBRATION ISOLATION AS INDICATED IN SPEC.'S
3. HORIZONTAL BELT DRIVE FAN COIL UNIT. PROVIDE W/ RETURN PLENUM, 30% THROWAWAY FILTER & HANGING VIBRATION ISOLATION AS INDICATED IN SPEC.'S
4. HORIZONTAL BELT DRIVE FAN COIL UNIT. PROVIDE W/ ½" G.B.S. @ S.A. & R.A. DUCT CONNECTION, 30% THROWAWAY FILTER & HANGING VIBRATION ISOLATION AS INDICATED IN SPEC.'S
5. VERTICAL BELT DRIVE FAN COIL UNIT. PROVIDE W/ ½" G.B.S. @ R.A. DUCT CONNECTION, 30% THROWAWAY FILTER & BASE MTD. VIBRATION ISOLATION AS INDICATED IN SPEC.'S

THE SAENGER THEATRE RENEWAL PROJECT
142 North Rampart Street
New Orleans, LA

Client
Saenger Theatre Redevelopment Company
200 West Loop South, Suite 1040 Houston TX 77027

Architect
MARTINEZ+JOHNSON ARCHITECTURE
1412 Eye St., NW
Washington, DC 20005
202.333.4480

Structural Engineer
Shawn J. Franke, P.E.
549 Heimer Road San Antonio TX 78232
210.979.7900

Theatre Consultant
Schuler Shook
123 Third Street North #210 Minneapolis, MN 55401
612.339.5958

Acoustical Engineer
Akustiks
93 North Main Street South Norwalk, CT 06854
202.299.1904

MEP Engineer
JBA Consulting Engineers, Inc.
3525 N. Causeway BLVD. Suite 500 Metairie, LA 70002
504.830.0139

Civil Engineer
Linfield, Hunter, & Junius, Inc.
3608 18th Street Suite 200 Metairie, LA 70002
504.833.5300

Architectural Historian
EHT Traceries, Inc.
1121 Fifth Street NW Washington, DC 20001
202.393.1199

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02.19.10	1	PERMIT SET
04.02.10	2	GMP CONTRACT SET

DATE:	No.:	REVISION:
11.11.10		CONTRACT SET

SHEET TITLE:
SCHEDULES

09.0394

M-0.03

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