

AIR HANDLING UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	FAN DATA						MOTOR DATA				COOLING COIL DATA										ELECTRIC REHEAT DATA				ELECTRICAL (SGL. POINT CONN.)			CONDENSATE DRAIN LINE (IN)	REMARKS
			TOTAL C.F.M.	O.A. MAX.	CFM MIN.	EXT S.P.	B.H.P.	R.P.M.	H.P.	VOLTS	PH. HZ.	R.P.M.	MAX. FACE VEL.	AIR I.W.G.	SENS. C.B.H.	TOTAL C.B.H.	E.A.T.*F	W.B.	L.A.T.*F	W.B.	MIN. ROWS	MAXIMUM FINS/FOOT	G.P.M.	WATER A.P.F.	WTR. ENT.*F	LVG.*F	K.W.	M.B.H.	STAGES		
AHU-1	1224 MECHANICAL ROOM	WEST WING CLASSROOMS	12,385	2,000	-	3.0"	-	15	480	3/60	1800	500	0.57	286.2	405.4	78.30	66.00	51.56	55.06	6	98	100.6	12.9	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #30 OR APPROVED EQUAL	
AHU-2	1206 MECHANICAL ROOM	BAND / MUSIC / ART	5,070	800	-	3.0"	-	7.5	480	3/60	1800	500	0.57	99.7	151.7	78.30	66.40	55.54	55.06	6	98	30.2	4.01	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #12 OR APPROVED EQUAL	
AHU-3	1141 MECHANICAL ROOM	ADMINISTRATION	5,875	650	-	3.0"	-	10	480	3/60	1800	500	0.58	137.2	182.1	77.30	65.00	54.98	54.47	6	98	36.3	3.68	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #12 OR APPROVED EQUAL--SEE NOTE #9	
AHU-4	1139 MECHANICAL ROOM	TEACHER WORKROOM / BREAKROOM	3,105	250	-	1.25"	-	3	480	3/60	1800	500	0.50	72.5	90.8	76.70	64.40	54.53	54.34	6	123	18.1	1.39	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #8 OR APPROVED EQUAL	
AHU-5	1225 MECHANICAL ROOM	EAST WING CLASSROOMS	11,360	2,000	-	3.0"	-	10	480	3/60	1800	500	0.43	223.6	333.9	78.90	66.70	56.48	55.49	6	72	69.6	5.98	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #25 OR APPROVED EQUAL	
AHU-6	1502 MECHANICAL ROOM	EAST ENTRY / RESTROOMS / HALL	2,370	300	-	1.25"	-	3	480	3/60	1800	500	0.47	54.0	67.8	77.50	65.30	56.41	56.06	6	105	13.4	0.9	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #6 OR APPROVED EQUAL	
AHU-7	2411 MECHANICAL ROOM	GYMNASIUM	5,040	1,000	-	1.00"	-	5	480	3/60	1800	500	0.58	34.7	45.5	78.90	66.70	53.57	53.19	8	75	41.3	5.77	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #12 OR APPROVED EQUAL	
AHU-8	2411 MECHANICAL ROOM	CAFETERIA	6,000	2,500	-	1.25"	-	5	480	3/60	1800	500	0.92	177.0	340.4	83.30	70.70	53.04	52.89	8	100	67.8	5.8	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #12 OR APPROVED EQUAL	
AHU-9	1528 MECHANICAL ROOM	KITCHEN	5,475	600	-	1.25"	-	5	480	3/60	1800	500	0.50	133.1	156.3	77.20	64.90	55.84	55.10	6	84	32.4	3.0	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #12 OR APPROVED EQUAL	
AHU-10	2218 MECHANICAL ROOM	WEST WING CLASSROOMS	13,100	2,000	-	3.0"	-	15	480	3/60	1800	500	0.48	314.1	436.5	78.10	65.90	55.61	54.71	6	78	86.82	9.95	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #30 OR APPROVED EQUAL	
AHU-11	2213 MECHANICAL ROOM	LIBRARY / LIBRARY ADMINISTRATION	4,855	500	-	1.25"	-	5	480	3/60	1800	500	0.43	117.3	152.5	77.10	64.80	54.90	54.36	6	90	30.4	2.7	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #12 OR APPROVED EQUAL	
AHU-12	2207 MECHANICAL ROOM	SOUTH WING CLASSROOMS	15,870	2,500	-	3.0"	-	20	480	3/60	1800	500	0.48	356.1	504.6	78.30	66.00	56.25	55.15	6	72	101.5	11.38	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #35 OR APPROVED EQUAL	
AHU-13	2206 MECHANICAL ROOM	EAST WING CLASSROOMS	13,100	2,000	-	3.0"	-	15	480	3/60	1800	500	0.48	314.1	436.5	78.10	65.90	55.61	54.71	6	78	86.82	9.95	45.0	55.0	REFER TO VAV SCHEDULES	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #30 OR APPROVED EQUAL	
AHU-14	1508 PLATFORM PREP	PLATFORM/GYM	1,840	200	-	1.0"	-	1	480	3/60	1800	500	0.27	34.7	45.5	77.20	64.90	58.82	58.86	4	92	9.09	3.64	45.0	55.0	REFER TO DUCT HEATER SCHEDULE	480/3/60	BASED ON MOTOR HP	1.25"	TRANE MODEL MCC #06 OR APPROVED EQUAL	

- ALL SINGLE WALL AIR UNITS TO HAVE FOIL FACED INSULATION.
- ALL UNITS TO INCLUDE STAINLESS STEEL DRAIN PANS UNDERNEATH ALL COIL SECTIONS.
- ALL DUAL CIRCUIT REFRIGERANT COILS SHALL BE INTERTWINED, STACKED COILS NOT ACCEPTABLE.
- ALL AIR HANDLING UNITS SHALL BE EQUIPPED WITH VIBRATION ISOLATORS, ALL COILS TO HAVE EXPANSION VALVES.
- EXT S.P. DOES NOT INCLUDE DIRTY FILTER LOSE.
- REFER TO DETAILS FOR EXACT ORIENTATION OF ALL UNITS.
- ALL CONDENSATE DRAIN LINES (MAIN & AUXILIARY) TO BE RIGID COPPER.
- PROVIDE VFD'S FOR ALL AIR HANDLING UNITS. VFD TO BRING CONSTANT VOLUME UNITS TO SCHEDULED CFM DURING TIME OF OPERATION.
- AHU-3 SHALL ALSO BE EQUIPPED WITH A DX COIL, 5875 CFM, 6 ROW, 470 FPM FACE VELOCITY, 0.66" P.D., 77.3 DB/ 65.0 WB EAT, 55.0 DB/ 54.5 WB LAT, 101 FINS/FOOT, 12.3 FT2 FACE AREA, 182.1 MBTUH TOTAL AND 140.7 MBTUH SENSIBLE.

AIR COOLED CONDENSING UNIT SCHEDULE

UNIT NO.	TONS OF REFR.	COMPR. MOTOR DATA				COMPRESSOR DATA			CONDENSER DATA						UNIT WIRING DATA		REMARKS			
		NO. REQ'D.	VOLTS	PH. HZ.	R.L.A. EACH	L.R.A. EACH	TYPE REFR.	SUCT. TEMP.	TOTAL M.B.H.	AMBIENT TEMP.	MIN. EER	COND. TEMP.	VOLTS	PH. HZ.	NO. FANS	F.L.A. EACH		H.P. EACH	M.C.A.	MAX FUSE SIZE
CU-1	15	2	480	3/60	13.2	94.9	R-22	45.0	182.1	95	-	120	480	3/60	2	1.6	1/2	32.9	45	TRANE MODEL TTA180B4 OR APPROVED EQUAL

- LIQUID & SUCTION LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS WITH CONSIDERATION FOR ALL ACCESSORIES, LENGTH OF RUN, TURNS, AND ELEVATION CHANGES TO INSURE PROPER OPERATION AND CAPACITY.
- PROVIDE SUCTION ACCUMULATORS FOR ALL CONDENSING UNITS.
- ALL CONDENSING UNIT SHALL COME EQUIPPED WITH PHASE FAILURE AND PHASE REVERSAL PROTECTION

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL NO.	C.F.M.	SUPPLY	RETURN	EXHAUST	O.A.	REGISTER	GRILLE	DIFFUSER	DOOR GR.	LOUVER	CEILING	WALL/DR.	NECK SIZE	FACE SIZE	MATERIAL	FINISH	O.B.D.	REMARKS
A	PRICE	SERIES ASCDA	SEE DWG.	•						•					6"	24x24	ALUMINUM	WHITE	YES	ADJUSTABLE
B	PRICE	SERIES ASCDA	SEE DWG.	•						•					8"	24x24	ALUMINUM	WHITE	YES	ADJUSTABLE
C	PRICE	SERIES ASCDA	SEE DWG.	•						•					10"	24x24	ALUMINUM	WHITE	YES	ADJUSTABLE
D	PRICE	SERIES ASCDA	SEE DWG.	•						•					12"	24x24	ALUMINUM	WHITE	YES	ADJUSTABLE
E	PRICE	SERIES ASCDA	SEE DWG.	•						•					6"	12x12	ALUMINUM	WHITE	YES	ADJUSTABLE
F	PRICE	SERIES 630	SEE DWG.	•	•					•					8X8	8X8	ALUMINUM	WHITE	NO	LOUVER FACE, 3/4" BLADE SPACING
G	PRICE	SERIES 630	SEE DWG.	•	•					•					12X12	12X12	ALUMINUM	WHITE	NO	LOUVER FACE, 3/4" BLADE SPACING
H	PRICE	SERIES 630	SEE DWG.	•	•					•					18X18	18X18	ALUMINUM	WHITE	NO	LOUVER FACE, 3/4" BLADE SPACING
I	PRICE	SERIES 630	SEE DWG.	•	•					•					24x24	24x24	ALUMINUM	WHITE	NO	LOUVER FACE, 3/4" BLADE SPACING
J	PRICE	SERIES 630	SEE DWG.	•	•					•					24X48	24X48	ALUMINUM	WHITE	NO	LOUVER FACE, 3/4" BLADE SPACING
K	PRICE	SERIES AMDA	SEE DWG.	•						•					9x9	14x14	ALUMINUM	WHITE	YES	ADJUSTABLE, W/BEVELED FRAME
L	PRICE	SERIES AMDA	SEE DWG.	•						•					12x12	17x17	ALUMINUM	WHITE	YES	ADJUSTABLE, W/BEVELED FRAME
M	PRICE	SERIES 80	SEE DWG.	•	•					•					12x12	12x12	ALUMINUM	WHITE	NO	EGGCRATE TYPE, 1/2"x1/2"x1/2"
N	PRICE	SERIES 80	SEE DWG.	•	•					•					18x18	18x18	ALUMINUM	WHITE	NO	EGGCRATE TYPE, 1/2"x1/2"x1/2"
O	PRICE	SERIES 80	SEE DWG.	•	•					•					48x48	48x48	ALUMINUM	WHITE	NO	EGGCRATE TYPE, 1/2"x1/2"x1/2"
Q	PRICE	SERIES PDDR	SEE DWG.	•						•					12"	24x24	ALUMINUM	WHITE	NO	PERFORATED RETURN USED AS SUPPLY
R	PRICE	SERIES 630	SEE DWG.	•	•					•					24x24	24x24	ALUMINUM	WHITE	NO	LOUVER FACE, 3/4" BLADE SPACING
S	PRICE	SERIES AMDA	SEE DWG.	•						•					12x12	24x24	ALUMINUM	WHITE	YES	ADJUSTABLE, W/BEVELED FRAME, 3-WAY THROW
T	PRICE	SERIES SDA100	SEE DWG.	•						•					TWO (2) 1" SLOTS		ALUMINUM	RE: ARCH	YES	LINEAR SLOT DIFFUSER, 4'-0" SECTION, FINISH TO BE SELECTED BY ARCHITECT TO MATCH CEILING
U	PRICE	SERIES 96	SEE DWG.	•	•					•					SEE DWGS.	SEE DWGS.	STEEL	WHITE	YES	HEAVY DUTY GYM TYPE, LOUVER FACE, 3/4" BLADE SPACING

- REFER TO ARCH FOR CEILING TYPE, CONTRACTOR TO PROVIDE AND INSTALL PLASTER FRAME FOR GYPSUM BOARD CEILING INSTALLATION.
- ALL GRILLES, REGISTERS, DIFFUSERS, ETC. TO COME WITH WHITE FINISH UNLESS OTHERWISE SPECIFIED BY ARCHITECT IN FIELD DURING CONSTRUCTION. FINISH SHOULD BE SUITABLE FOR PAINTING WITHOUT ANY ADDITIONAL PREPARATION.
- NOT ALL MARKS NECESSARILY FOUND ON THE PLANS.
- ALL LINEAR DIFFUSERS TO COME WITH FACTORY INSTALLED INTERNALLY LINED PLENUMS WITH SLOPED SHOULDERS ON REAR.
- ALL GRILLES SHALL BE ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTED ON DRAWINGS.
- MANUFACTURERS MODEL NUMBER REPRESENTS QUALITY OF EQUIPMENT TO BE INSTALLED, THIS PROJECT.
- PERFORMANCE DATA FOR ALL GRILLES, LINEARS, DIFFUSERS, ETC. MUST BE SUBMITTED TO ENGINEER BEFORE PRIOR APPROVAL IS AWARDED.
- MOUNT ALL LINEAR DIFFUSERS (SUPPLY & RETURN) WITH CONCEALED FASTENERS.
- APPROVED MANUFACTURERS: NAILOR, TITUS.
- ALL LINEAR SLOT DIFFUSERS TO BE 2 SLOT UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL GRILLE/DIFFUSER SIZES AS NOTED ON SCHEDULE UNLESS OTHERWISE NOTED ON DRAWINGS.
- ADJUSTABLE GRILLES & DIFFUSERS ARE TO BE USED FOR ADJUSTING DIRECTION OF AIR FLOW. ADJUSTABLE GRILLES/DIFFUSERS NOT TO BE USED FOR AIR BALANCING.

ELECTRIC UNIT HEATER SCHEDULE

UNIT NO.	LOCATION	CAPACITY		STAGES	MOTOR DATA		ELEC. DATA		TEMP. RISE DEGREE F	REMARKS
		K.W.	BTUH		C.F.M.	R.P.M.	VOLTS	PH. HZ.		
EUH-1	RM 1601	5.0	17,050	1	400	1300	277	1/60	40	MARKEL MODEL 3470 SERIES OR APPROVED EQUAL
EUH-2	RM 1602	5.0	17,050	1	400	1300	277	1/60	40	MARKEL MODEL 3470 SERIES OR APPROVED EQUAL
EUH-3	CONCESSION	5.0	17,050	1	400	1300	277	1/60	40	MARKEL MODEL 3470 SERIES OR APPROVED EQUAL
EUH-4	RISER 1529	3.3	11,260	1	400	1550	277	1/60	26	MARKEL MODEL 5100 SERIES OR APPROVED EQUAL

- POSITION EUH-4 AS TO BLOW ACROSS SPRINKLER RISER FOR FREEZE PROTECTION.
- ELECTRIC UNIT HEATER, EUH-1,2,3, TO BE CONTROLLED BY REMOTE MOUNTED THERMOSTATS. EUH-1 TO HAVE UNIT MOUNTED THERMOSTAT.
- EUH-1,2,3 TO BE CEILING RECESSED MOUNTED, COORDINATE WITH STRUCTURE. EUH-4 TO BE MOUNTED FROM STRUCTURE ABOVE.

DUCT HEATER SCHEDULE (ELECTRIC)

MARK	SERVICE	C.F.M.	K.W.	NO. STEPS	MAX P.D.	DUCT SIZE	ELECTRIC SERVICE	E.A.T.*F	L.A.T.*F	REMARKS
DH-1	AHU-4	3,105	24	6	0.1"	34x16	480/3/60	65.97	90.39	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL
DH-2	AHU-6	2,370	20	5	0.1"	32x14	480/3/60	63.67	90.33	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL
DH-3	AHU-7	5,040	48	8	0.1"	28x28	480/3/60	60.08	90.17	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL
DH-4	AHU-8	6,000	80	8	0.1"	30x28	480/3/60	49.17	91.29	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL
DH-5	AHU-9	5,475	36	6	0.1"	48x18	480/3/60	64.52	85.29	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL
DH-6	AHU-11	4,855	40	8	0.1"	48x16	480/3/60	64.85	90.88	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL
DH-7	AHU-14	1,840	12	8	0.1"	20x18	480/3/60	64.57	85.17	MARKEL HF, TUTCO DC3 SERIES OR APPROVED EQUAL

- PROVIDE DUCT HEATER WITH FACTORY MOUNTED DISCONNECT, AIR FLOW AND OVER TEMPERATURE CONTROL CUTOUPS.
- ALL ELECTRIC DUCT HEATERS ARE TO BE INSTALLED WITHIN INTERNALLY INSULATED DUCTWORK.

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