FAN COIL UNIT SCHEDULE

MARK	TYPE	CFM (MAX)	E.S.P.	COOLING DATA				HEATING DATA				MANUFACTURER & MODEL NO.	REMARKS
				CAPACITY (MBH)		GPM	P.D. (FT)	CAPACITY (MBH)	GPM	KW	P.D. (FT)		
				TOTAL	SENSIBLE								
FC-1.1	THIN-LINE HORIZONTAL CONCEALED	202	0.20"	5.1	4.4	1.0	3.0	-	-	2.0	-	MCQUAY #FTSH2S03	1 THRU 8, 10, 12
FC-1.2	THIN-LINE HORIZONTAL CONCEALED (ALT #1)	192	0.20"	4.9	4.2	1.0	2.9	10.5	1.0	-	2.0	MCQUAY #FTSH2S03	1 THRU 10, 12, 13
FC-2.1	THIN-LINE HORIZONTAL CONCEALED	263	0.20"	6.6	5.8	1.5	1.5	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.2	THIN-LINE HORIZONTAL CONCEALED	409	0.30"	10.0	8.9	2.0	2.0	-	-	2.0	-	MCQUAY #FTSH2S04	1 THRU 8, 10, 12
FC-2.3	THIN-LINE HORIZONTAL CONCEALED	275	0.20"	6.9	6.1	1.5	1.5	-	-	2.0	-	MCQUAY #FTSH2S04	1 THRU 8, 10, 12
FC-2.4	THIN-LINE HORIZONTAL CONCEALED	408	0.30"	10.0	8.8	2.0	2.0	22.6	1.5	-	5.3	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.5	THIN-LINE HORIZONTAL CONCEALED	440	0.30"	10.8	9.5	2.1	2.2	23.4	1.6	-	3.8	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.6	THIN-LINE HORIZONTAL CONCEALED	440	0.30"	10.8	9.5	2.1	2.2	23.4	1.6	-	3.8	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.7	THIN-LINE HORIZONTAL CONCEALED	440	0.30"	10.8	9.5	2.1	2.2	23.4	1.6	-	3.8	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.8	THIN-LINE HORIZONTAL CONCEALED	440	0.30"	10.8	9.5	2.1	2.2	23.4	1.6	-	3.8	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.9	THIN-LINE HORIZONTAL CONCEALED	192	0.20"	4.9	4.2	1.0	2.9	12.7	1.0	-	2.0	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.10	THIN-LINE HORIZONTAL CONCEALED (ALT #1)	440	0.30"	10.8	9.5	2.1	2.2	23.4	1.6	-	3.8	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.11	THIN-LINE HORIZONTAL CONCEALED (ALT #1)	275	0.20"	6.9	6.1	1.5	1.5	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.12	THIN-LINE HORIZONTAL CONCEALED (ALT #1)	440	0.30"	10.8	9.5	2.1	2.2	23.4	1.6	-	3.8	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.13	THIN-LINE HORIZONTAL CONCEALED (ALT #1)	275	0.20"	6.9	6.1	1.5	1.5	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.14	THIN-LINE HORIZONTAL CONCEALED (ALT #2)	275	0.20"	6.9	6.1	1.5	1.5	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-2.15	THIN-LINE HORIZONTAL CONCEALED (ALT #2)	275	0.20"	6.9	6.1	1.5	1.5	18.4	1.2	-	3.7	MCQUAY #FTSH2S04	1 THRU 10, 12, 13
FC-3.1	THIN-LINE HORIZONTAL CONCEALED	493	0.30"	14.0	11.8	3.0	2.2	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-3.2	THIN-LINE HORIZONTAL CONCEALED	493	0.30"	14.0	11.8	3.0	2.2	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-3.3	THIN-LINE HORIZONTAL CONCEALED	493	0.30"	14.0	11.8	3.0	2.2	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-3.4	THIN-LINE HORIZONTAL CONCEALED	493	0.30"	14.0	11.8	3.0	2.2	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-3.5	THIN-LINE HORIZONTAL CONCEALED (ALT #1)	493	0.30"	14.0	11.8	3.0	2.2	26.2	1.7	-	1.0	MCQUAY #FTSH2S06	1 THRU 10, 12, 13
FC-4.1	THIN-LINE HORIZONTAL CONCEALED	700	0.30"	18.7	15.9	3.7	3.5	-	-	6.0	-	MCQUAY #FTSH2S08	1 THRU 8, 10, 12
FC-4.2	THIN-LINE HORIZONTAL CONCEALED	674	0.30"	18.1	15.3	3.6	3.3	29.0	2.0	-	1.0	MCQUAY #FTSH2S08	1 THRU 10, 12, 13
FC-4.3	THIN-LINE HORIZONTAL CONCEALED	674	0.30"	18.1	15.3	3.6	3.3	29.0	2.0	-	1.0	MCQUAY #FTSH2S08	1 THRU 10, 12, 13
FC-4.4	THIN-LINE HORIZONTAL CONCEALED	674	0.30"	18.1	15.3	3.6	3.3	29.0	2.0	-	1.0	MCQUAY #FTSH2S08	1 THRU 10, 12, 13
FC-5.1	THIN-LINE HORIZONTAL CONCEALED	904	0.30"	23.7	20.2	4.7	6.6	45.6	3.0	-	1.0	MCQUAY #FTSH2S10	1 THRU 10, 12, 13

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. UNIT SHALL CONSIST OF A BASE CASING AND RETURN AIR PLENUM FABRICATED OF HEAVY GAUGE GALVANIZED STEEL WITH FOUR-SIDED 3/4-INCH DUCT COLLAR FOR EASE OF CONNECTING DISCHARGE DUCTWORK. RETURN AIR PLENUM SHALL HAVE A FILTER FRAME FOR 1-INCH PLEATED DISPOSABLE FILTERS AND 1-INCH RETURN AIR DUCT COLLAR. PLENUM SHALL BE FULLY INSULATED TO PREVENT UNIT SWEATING AND ATTENUATE FAN NOISE.
3. UNIT SHALL BE INSULATED WITH 1/2" MULTI-DENSITY GLASS FIBER ON THE CABINET BOTTOM PANEL AND DISCHARGE TRANSITION BETWEEN COIL AND DISCHARGE OPENING. HIDEAWAY TSH RETURN AIR PLENUM SHALL BE INSULATED WITH 1/2" MULTI-DENSITY GLASS FIBER.
4. COILS SHALL HAVE ALUMINUM FINS WITH COPPER TUBES MECHANICALLY EXPANDED FOR A PERMANENT BOND.
5. PROVIDE PRIMARY DRAIN PAN CONSTRUCTED OF 20-GAUGE GALVANIZED STEEL, INSULATED WITH 1/4" MULTI-DENSITY CLOSED CELL INSULATION. PROVIDE SECONDARY DRAIN PAN CONSTRUCTED OF GALVANIZED STEEL WITH CONDENSATE OVERFLOW SWITCH TO SHUT DOWN UNIT.
6. PROVIDE THREE-SPEED, PERMANENT SPLIT CAPACITOR, HIGH STATIC MOTOR.
7. COOLING CAPACITY BASED ON 77° F DB/63° F WB EAT, 44° F EWT.
8. PROVIDE LEFT-HAND OR RIGHT-HAND UNITS AND SIDE OR BOTTOM FILTER ACCESS. FIELD VERIFY BEST INSTALLATION ORIENTATION.
9. PROVIDE FACTORY PIPING PACKAGE PER DETAILS 5/M4.1 & 6/M4.1 WITH HEATING WATER COIL CONNECTIONS CAPPED FOR FUTURE USE.
10. MAXIMUM DEPTH OF FAN COIL UNIT SHALL BE 10.5 INCHES.
11. PROVIDE THERMAL OVERLOAD SWITCH WITH ELECTRIC HEATING COILS.
12. COMPARABLE PRODUCTS MANUFACTURED BY CARRIER AND I.E.C. MAY BE SUBMITTED.
13. HEATING CAPACITY BASED ON 180° F EWT.

FAN SCHEDULE

MARK	SERVES	TYPE	CFM	EXT. S.P.	FAN RPM	DRIVE	MAX SONES	CONTROL	MANUFACTURER & MODEL NO.	REMARKS
EF-1.1	TOILET	CEILING	75	0.37"	950	DIRECT	2.0	REMARKS	GREENHECK #SP-B110	1, 2, 3, 4, 5
EF-1.2	TOILET	CEILING	75	0.37"	950	DIRECT	2.0	REMARKS	GREENHECK #SP-B110	1, 2, 3, 4, 5
EF-2.1	SOILED	CEILING	110	0.37"	1400	DIRECT	2.5	REMARKS	GREENHECK #SP-A190	1, 2, 3, 4, 5
EF-3.1	TOILETS (ALT BID #2)	INLINE CENTRIFUGAL	300	0.50"	1070	DIRECT	2.5	REMARKS	GREENHECK #CSP-A510	1, 2, 3, 4, 5
EF-3.2	TOILETS (ALT BID #2)	INLINE CENTRIFUGAL	300	0.50"	1070	DIRECT	2.5	REMARKS	GREENHECK #CSP-A510	1, 2, 3, 4, 5

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. PROVIDE FAN MOUNTED SPEED CONTROL FOR FAN BALANCING.
3. SEE SEQUENCE OF OPERATIONS ON M4.1.
4. PROVIDE HOODED WALL CAP WITH INTEGRAL BACKDRAFT DAMPER AND BIRDSCREEN
5. COMPARABLE PRODUCTS MANUFACTURED BY COOK AND PENNBARRY MAY BE SUBMITTED.

CABINET AND UNIT HEATER SCHEDULE (ELECTRIC)

MARK	TYPE	ARRANGEMENT	CFM	HEATING CAP. (KW)	EXT. S.P.	FAN RPM	MANUFACTURER & MODEL NO.	REMARKS
EUH-1.1	FAN FORCED WALL HEATER	SURFACE	100	1.5	---	---	QMARK AWH SERIES	1, 2, 3, 4
EUH-1.2	FAN FORCED WALL HEATER	SURFACE	100	1.5	---	---	QMARK AWH SERIES	1, 2, 3, 4

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E0.0 FOR ELECTRICAL DATA.
2. PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT SWITCH.
3. INSTALL HEATER WITH BOTTOM OF CABINET 6-INCHES A.F.F.
4. COMPARABLE PRODUCTS MANUFACTURED BY INDEECO AND MARKEL MAY BE SUBMITTED.

SINGLE DUCT-AIR TERMINAL UNIT SCHEDULE

MARK	LOCATION	INLET SIZE	MAXIMUM COOLING CFM	MINIMUM CFM	MAXIMUM HEATING CFM	HEATING COIL KW	NC RAD/DIS	MANUFACTURER & MODEL NO.	REMARKS
TU-1.1	ALT #1	8" DIA	600	240	360	2.0	18/16	NAILOR D30RE-08	1 THRU 5, 6
TU-2.1	ALT #1	10" DIA	800	320	480	-	18/16	NAILOR D30RE-10	1 THRU 5
TU-2.2	ALT #1	10" DIA	1300	520	780	-	18/16	NAILOR D30RE-10	1 THRU 5
TU-2.3	ALT #1	10" DIA	1000	400	600	-	18/16	NAILOR D30RE-10	1 THRU 5
TU-2.4	ALT #1	10" DIA	1150	460	690	5.0	18/16	NAILOR D30RE-10	1 THRU 5, 6

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON E0.0 SHEETS FOR ELECTRICAL DATA.
2. NC RATINGS BASED ON THE MAXIMUM CFM AND 0.5 IN W.G. PRESSURE DROP ACROSS THE VAV BOX INCLUDING THE CONTROL DAMPER AND HEATING COIL.
3. PROVIDE INSULATED CASING, BOTTOM ACCESS PANEL, AND HANGER BRACKETS.
4. PROVIDE LEFT OR RIGHT-HAND CONTROL ENCLOSURE AS SHOWN ON PLANS.
5. COMPARABLE PRODUCTS MANUFACTURED BY KRUEGER AND PRICE MAY BE SUBMITTED.
6. PROVIDE FACTORY MOUNTED TOGGLE TYPE DISCONNECT SWITCH, POWER CIRCUIT FUSING, AND SCR CONTROL.

REGISTER - GRILLE - DIFFUSER SCHEDULE

MARK	FUNCTION	TYPE	CFM RANGE	MAX N.C.	SIZE (INCHES)	BORDER OR FRAME	MATERIAL ALUM.	MATERIAL STEEL	FINISH	ACCESS.	MANUFACTURER & MODEL NO.	REMARKS
S-1	SUPPLY	SQUARE FACE NOMINAL PNL.	0 - 110	25	6" Ø NECK	24 x 24 LAY-IN		X	STND. WHITE	-	KRUEGER SERIES # 1400	1,2,3,4,8
S-2	SUPPLY	SQUARE FACE NOMINAL PNL.	111 - 200	25	8" Ø NECK	24 x 24 LAY-IN		X	STND. WHITE	-	KRUEGER SERIES # 1400	1,2,3,4,8
S-3	SUPPLY	SQUARE FACE NOMINAL PNL.	201 - 350	25	10" Ø NECK	24 x 24 LAY-IN		X	STND. WHITE	-	KRUEGER SERIES # 1400	1,2,3,4,8
S-4	SUPPLY	DOUBLE DEFLECTION	0 - 660	25	12 x 12	SURFACE MOUNT	X		STND. WHITE	O.B.D.	KRUEGER SERIES # 5880H	1,2,3,8
S-5	SUPPLY	DOUBLE DEFLECTION	0 - 665	25	16 X 8	SURFACE MOUNT	X		STND. WHITE	O.B.D.	KRUEGER SERIES # 5880H	1,2,3,8
S-6	SUPPLY	SLOT HORIZ / VERT THROW	0 - 550	25	48" LONG	LAY-IN	X		STND. WHITE	PLENUM BOOT	KRUEGER SERIES #1910-6	1,2,3,5,6,7,8
S-7	SUPPLY	SLOT HORIZ / VERT THROW	0 - 300	25	60" LONG	LAY-IN	X		STND. WHITE	PLENUM BOOT	KRUEGER SERIES #1910-2	1,2,3,5,6,7,8
S-8	SUPPLY	SLOT HORIZ / VERT THROW	0 - 300	25	60" LONG	SURFACE MOUNT	X		STND. WHITE	PLENUM BOOT	KRUEGER SERIES #1910-2	1,2,3,5,6,7,8
R-1	RETURN	PERF. PANEL 12 x 24 FACE	0 - 600	25	6 X 18 NECK	12 x 24 LAY-IN		X	STND. WHITE	-	KRUEGER SERIES # 6490	1,2,3,8
R-2	RETURN	PERF. PANEL 24 x 24 FACE	0 - 1850	25	22 x 22 NECK	24 x 24 LAY-IN	X		STND. WHITE	-	KRUEGER SERIES # 6490	1,2,3,8
R-3	RETURN	FIXED DEFL. 35° BLADE	0 - 665	25	16 X 8	SURFACE MOUNT	X		STND. WHITE	O.B.D.	KRUEGER SERIES # S580H	1,2,3,8
R-4	RETURN	PERF. PANEL 24 x 24 FACE	0 - 1850	25	22 x 22 NECK	24 x 24 LAY-IN	X		STND. WHITE	-	KRUEGER SERIES #6490	1,2,3,8
E-1	EXHAUST	FIXED DEFL. 35° BLADE	0 - 500	25	12 x 12	SURFACE MOUNT	X		STND. WHITE	O.B.D.	KRUEGER SERIES # S580H	1,2,3,8

REMARKS:
1. PROVIDE SPECIFIC NOISE CRITERIA (NC) DATA FOR EACH LINE ITEM WITH SHOP DRAWINGS.
2. COORDINATE BORDER OR FRAME TYPE WITH CEILING TYPE.
3. COORDINATE FINISH WITH ARCHITECT.
4. PROVIDE SUPPLY AIR OUTLETS WITH INSULATED BLANKET ON BACKPAN.
5. PROVIDE WITH INTERNALLY INSULATED PLENUM BOOT. SEE PLANS FOR NECK SIZE. AND HEIGHT OF PLENUM BOOT.
6. PROVIDE LAY-IN TYPE FRAME FOR LINEAR SLOT DIFFUSERS LOCATED IN LAY-IN A.C.T. TYPE CEILING. PROVIDE SURFACE MOUNT TYPE FRAME WITH MITERED END CAPS FOR LINEAR SLOT DIFFUSERS LOCATED IN GYP-BOARD TYPE CEILING. COORDINATE WITH ARCHITECTURAL PLANS.
7. DATA BASED ON HORIZONTAL AIR FLOW PATTERN. ADJUST 50% OF SLOTS TO THROW AIR HORIZONTALLY ACROSS CEILING AND REMAINING SLOTS TO THROW AIR VERTICALLY TO WASH WINDOWS.
8. COMPARABLE PRODUCTS MANUFACTURED BY PRICE AND METALAIRE MAY BE SUBMITTED.

Revisions | Date

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Drawing Title
- MECHANICAL SCHEDULES

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Location
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Approved Project Director
KEVIN HUTSELL

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