

UNIT HEATER SCHEDULE - ELECTRIC

SYMBOL	SERVICE	TYPE	CFM	EAT °F	LAT °F	STAGES	KW PER STAGE	ELECTRICAL							CONTROL	MANUFACTURER	MODEL	REMARKS	
								FAN HP	RPM	KW	VOLT/ PHASE/ WIRE	FLA/ RLA	DISCONNECT						CONTROLLER/STARTER
													BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)				
UH-1	ELECTRICAL ROOM	HORIZONTAL	400	60	86	1	3.3	1/125	1,550	3.3	480-3	4.0	MFR.	NF	MFR	T-STAT	TRANE	UHEC	NOTE 1, 2, 3, 4, 5
UH-2	WATER SERVICE	HORIZONTAL	400	60	86	1	3.3	1/125	1,550	3.3	480-3	4.0	MFR.	NF	MFR	T-STAT	TRANE	UHEC	NOTE 1, 2, 3, 5
UH-3	ELEVATOR EQUIPMENT	HORIZONTAL	400	60	86	1	3.3	1/125	1,550	3.3	480-3	4.0	MFR.	NF	MFR	T-STAT	TRANE	UHEC	NOTE 1, 2, 3, 4, 5

- NOTES:
1. PROVIDE UNIT MOUNTED LOW VOLTAGE THERMOSTAT CONTROLS.
 2. MECHANICAL CONTRACTOR SHALL INSTALL MFR PROVIDED WALL MOUNTED LOW VOLTAGE THERMOSTAT CONTROLS.
 3. UNIT HEATER SHALL ACCEPT LOW VOLTAGE SIGNAL FROM THERMOSTAT FOR CONTROL.
 4. UNIT HEATER PROVIDED AS SUPPLEMENTAL HEAT.
 5. ADDITIONAL ACCEPTABLE MANUFACTURERS SHALL INCLUDE TRANE, MOIDINE AND REZNOR.

SPLIT SYSTEM HEATING / COOLING UNIT - DIRECT EXPANSION

SYMBOL	SERVICE	CFM	NOMINAL TONS	COIL TYPE & REFRIGERANT	# OF CIRCUITS	REFRIGERANT COOLING COIL			MBH TOTAL	HEATING COIL			VOLT- PHASE	LRA/	MCA	MOP AMPS	DISCONNECT BY (NOTE A)	CONTROLLER/STARTER BY (NOTE A)	MANUFACTURER	MODEL	REMARKS
						EAT	*FDB	*FWB		MIN	MBH TOTAL	MIN									
SS-1	SECURITY ROOM	350	1.5	R410A	1	80	67	18	8	19	208-1	14/12	13.0	20.0	EC	MFR			MTSUSHI	PKA	NOTE 1, 2, 4
SS-2	ELEVATOR EQUIPMENT	350	1.5	R410A	1	80	67	18	8	19	208-1	14/12	13.0	20.0	EC	MFR			MTSUSHI	PKA	NOTE 1, 2, 3, 4

- NOTES:
1. PROVIDE UNIT WITH INDOOR REMOTE CONTROLLER - WIRED TYPE.
 2. LOW AMBIENT UNIT SHALL BE SELECTED FOR OPERATION DOWN TO 0°F.
 3. PROVIDE UNIT WITH WALL MOUNT BRACKET ACCESSORY FOR CONDENSING UNIT. COORDINATE VIBRATION ISOLATION REQUIREMENTS WITH MANUFACTURER.
 4. ADDITIONAL ACCEPTABLE MANUFACTURERS INCLUDE MITSUBISHI, SANYO AND LG.

FAN SCHEDULE

SYMBOL	SERVICE	CFM	S.P. IN. W.C.	FAN RPM (NOTE F)	DRIVE	MAX. AMCA SONES	BACKDRAFT DAMPER	CURB TYPE (NOTE G)	ELECTRICAL						MANUFACTURER	MODEL	REMARKS	
									BHP (NOTE E)	MHP (NOTE E)	VOLT- PHASE	DISCONNECT		CONTROLLER/STARTER				
												BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)				TYPE (NOTE C)
EF-1	STARWELL	800	0.5	1,150	DIRECT	6.5	ELECTRIC	MFR	0.100	0.170	115-1	MFR	NF	MFR	-	COOK	120C11D	NOTE 1, 2
EF-2	STARWELL	1,400	0.5	1,550	DIRECT	12	ELECTRIC	MFR	0.260	0.250	115-1	MFR	NF	MFR	-	COOK	120C15D	NOTE 1, 2

- NOTES:
1. FAN AND DAMPER SHALL BE SINGLE-POINT CONNECTION.
 2. ADDITIONAL ACCEPTABLE MANUFACTURERS INCLUDE AEROVENT, GREENHECK, COOK, ACME.

GRILLES REGISTERS & DIFFUSERS SCHEDULE

SYMBOL	MAT'L	TYPE	MARGIN (NOTE 1)	INLET SIZE (INCH)	FACE SIZE (INCH)	VOLUME DAMPER REQ'D	FINISH	MANUFACTURER	MODEL	REMARKS
SG-1	STEEL	DOUBLE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	WHITE	TITUS	300R	NOTE 1, 2, 3

- NOTES:
1. COORDINATE EXACT GRILLE SIZE WITH ROUGH-IN WALL OPENING.
 2. FRONT BLADES SHALL BE VERTICAL.
 3. ADDITIONAL ACCEPTABLE MANUFACTURERS INCLUDE TITUS, TUTTLE & BAILEY, PRICE, NAILOR AND KRUEGER.

BACKDRAFT DAMPER SCHEDULE

SYMBOL	SERVICE	SIZE W x H (IN.)	CFM	MAX.	MIN.	OPPOSED OR PARALLEL BLADES	HORIZONTAL OR VERTICAL BLADES	MANUFACTURER	MODEL	REMARKS
BD-1	NORTH STAIRWELL	24 X 18	400	0	0	PARALLEL	HORIZONTAL	RUSKIN	CBD2	NOTE 1, 2, 3
BD-2	NORTH STAIRWELL	24 X 18	400	0	0	PARALLEL	HORIZONTAL	RUSKIN	CBD2	NOTE 1, 2, 3
BD-3	SOUTH STAIRWELL	30 X 24	700	0	0	PARALLEL	HORIZONTAL	RUSKIN	CBD2	NOTE 1, 2, 3
BD-4	SOUTH STAIRWELL	30 X 24	700	0	0	PARALLEL	HORIZONTAL	RUSKIN	CBD2	NOTE 1, 2, 3

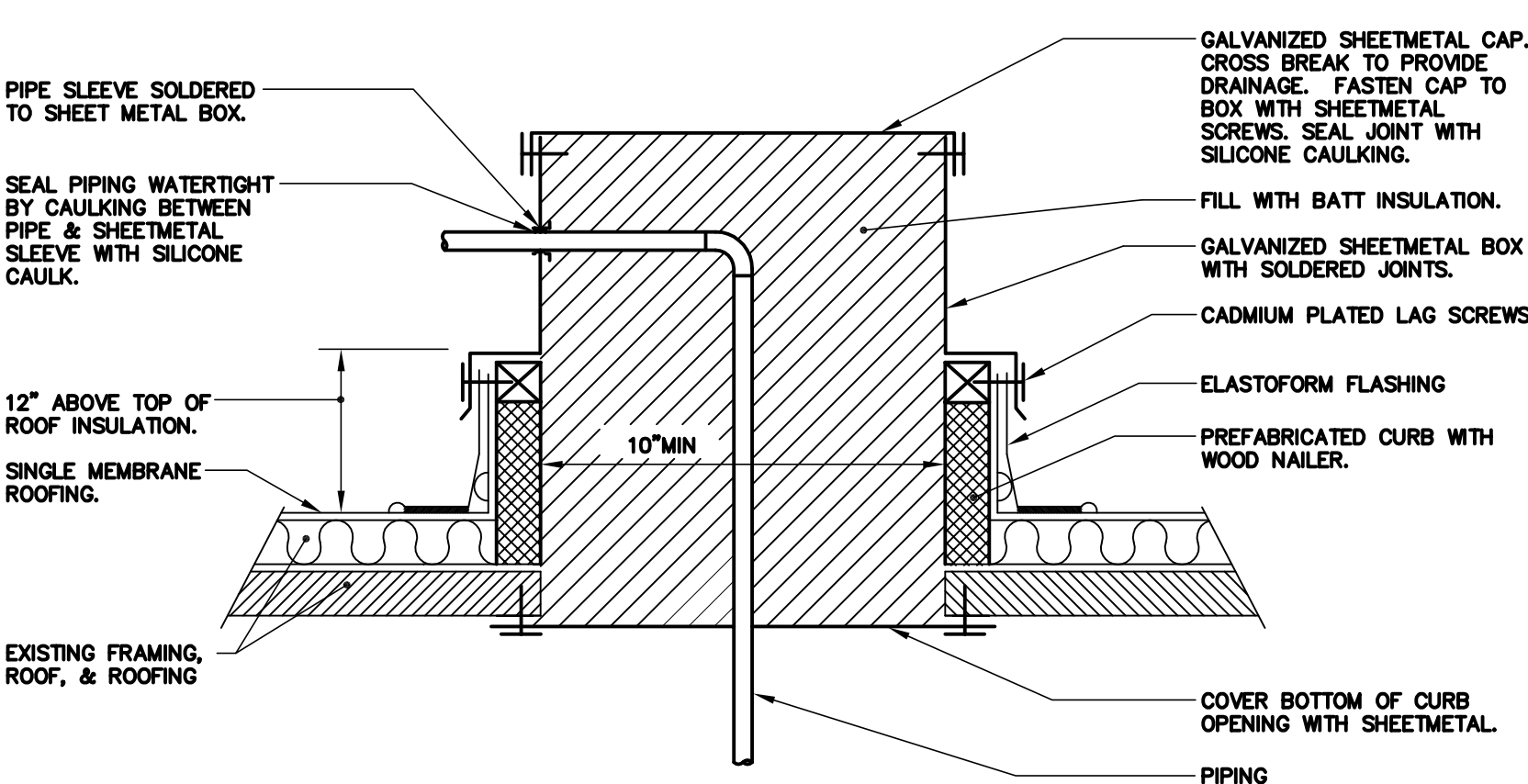
- NOTES:
1. COORDINATE DAMPER MOUNTING REQUIREMENTS WITH LOUVER AND GENERAL CONTRACTOR.
 2. COUNTERWEIGHT SHALL BE BALANCED TO -0.2" W.C. STATIC PRESSURE.
 3. ADDITIONAL ACCEPTABLE MANUFACTURERS INCLUDE RUSKIN, GREENHECK AND TAMCO.

LOUVER SCHEDULE

SYMBOL	SERVICE	CFM	SIZE W x H (IN.)	FREE AREA VEL. FPM	S.P. IN. W.C.	FINISH	MANUFACTURER	MODEL	REMARKS
L-1	STAIRWELL	800	48 X 18	400	0.02	TYPE 1	RUSKIN	ELF375DX	NOTE 1, 2
L-2	STAIRWELL	1,400	60 X 24	400	0.02	TYPE 1	RUSKIN	ELF375DX	NOTE 1, 2

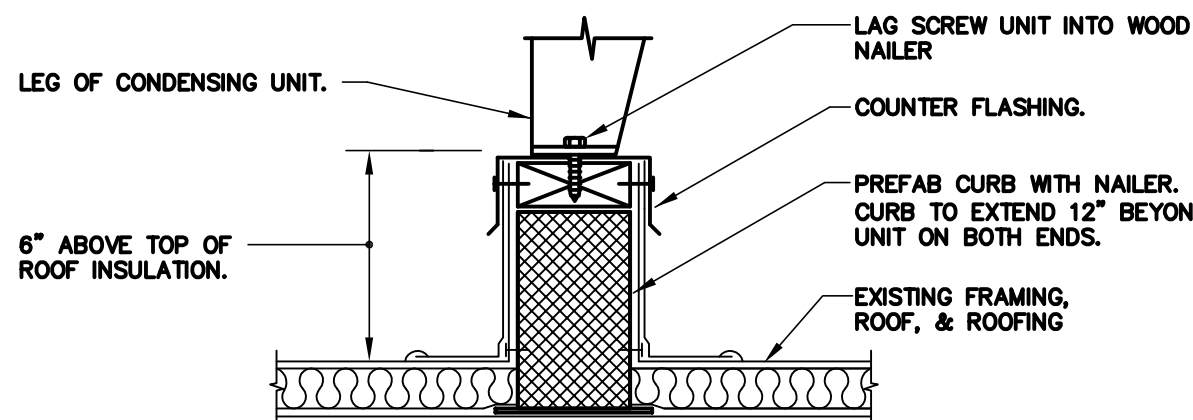
FINISH TYPE:
TYPE 1 MILL FINISH

- GENERAL NOTES:
1. LOUVER SHALL BE PROVIDED WITH INSECT SCREEN.
 2. ADDITIONAL ACCEPTABLE MANUFACTURERS INCLUDE GREENHECK ESD-403, AIR FLOW EA-403, DOWCO DBE-4.



REFRIGERANT PIPING WEATHERPROOFING

NO SCALE



CONDENSING UNIT SUPPORT

NO SCALE

