AIR HANDLING UNIT UNIT SCHEDULE

UNIT NO.	SERVICE	LOCATION	FAN DATA						OUTSIDE AIR				COOLING COIL DATA												HEATING COIL DATA												FILTERS			Volts/Ph/Hz	MANUF & MODEL NO.	REMARKS
			CFM	SP (IN W.G.)		FAN TYPE	MOTOR DATA		CFM	TEMP (°F)			AIR TEMP (°F)				TOTAL MBH	SENS. MBH	WATER TEMP. (°F)		GPM	WORK PRESS (PSIG)	FACE AREA (SF)	MAX FACE VELOC. (FPM)	MAX. P.D.		AIR TEMP (°F)				TOTAL MBH	WATER TEMP. (°F)		GPM	WORK PRESS (PSIG)	FACE AREA (SF)	MAX FACE VELOC. (FPM)	MAX. P.D.		TYPE	NO.	SIZE EACH FILTER			
				EXT.	TOT.		BHP	HP		HEATING	COOLING		ENT	LVG					ENT	LVG					AIR (IN)	WTR (FT)	ENT		LVG			ENT	LVG					AIR (IN)	WTR (FT)						
										DB	DB	WB	DB	WB	DB	WB											DB	WB	DB	WB															
AHU-1	AIRSIDE	301 MECH RM	13,500	2.0		PLUG		10	4,050	-21	81	67					541		42	58				500							561	180	120				500						480/3/60	TRANE M-SERIES	
AHU-2	CORE	338 MECH RM	42,500	3.5		PLUG		40	10,625	-21	81	67					1,476		42	58				500							875	180	120				500						480/3/60	TRANE M-SERIES	
AHU-3	LANDSIDE	338 MECH RM	36,000	2.5		PLUG		30	8,400	-21	81	67					1,430		42	58				500							2,920	180	120				500						480/3/60	TRANE M-SERIES	

1. PROVIDE VFD WITH INTEGRAL DISCONNECT SWITCH.

FAN SCHEDULE

FAN NO.	LOCATION	SERVICE	CFM	STATIC PRESS. IN.W.G.	RPM	OUTLET VELOC. FPM	TYPE	MFR.	MODEL NO.	BHP	MOTOR HP	VOLT/PH/HZ	REMARKS
SF-1	TUG TUNNEL 161	TUG TUNNEL 161	7,825				INLINE CENT	TWIN CITY					2-SPEED
SF-2	TUG TUNNEL 161	TUG TUNNEL 161	7,825				INLINE CENT	TWIN CITY					2-SPEED
EF-1	INBOUND TUG TUNNEL RAMP	INBOUND TUG TUNNEL RAMP	8,175				PROP	TWIN CITY					2-SPEED
EF-2	TUG TUNNEL 161	TUG TUNNEL 161	8,175				PROP	TWIN CITY					2-SPEED
EF-3	TUG TUNNEL 161	TUG TUNNEL 161	8,175				PROP	TWIN CITY					2-SPEED
EF-4	OUTBOUND TUG TUNNEL RAMP	OUTBOUND TUG TUNNEL RAMP	8,175				PROP	TWIN CITY					2-SPEED
EF-5	ELECTRICAL 131	ELECTRICAL 131	1,000				PROP	TWIN CITY					
EF-6	TELE-COMM 136	TELE-COMM 136	300				PROP	TWIN CITY					
EF-7	EAST MECH RM	ELEC 239/TELECOM 243	300				INLINE CENT	TWIN CITY					
TEF-1	WEST MECH RM	WEST TOILET ROOMS	2,500				INLINE CENT	TWIN CITY					
TEF-2	EAST MECH RM	EAST TOILET ROOMS	2,500				INLINE CENT	TWIN CITY					
REF-1	WEST MECH RM	AHU-1	12,150				INLINE CENT	TWIN CITY					W/ VFD
REF-2	EAST MECH RM	AHU-2	38,250				INLINE CENT	TWIN CITY					W/ VFD
REF-3	EAST MECH RM	AHU-3	32,400				INLINE CENT	TWIN CITY					W/ VFD

DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL	DESCRIPTION	C.F.M.	SIZE/LENGTH	CORE VELOCITY	MATERIAL	REMARKS
	NAILOR							
	NAILOR							
	NAILOR							

ALL REGISTERS, DIFFUSERS, AND GRILLES TO HAVE INTEGRAL OPPOSED BLADE BALANCING DAMPERS
*CONTINUOUS SLOT DIFFUSER TO HAVE 4' SUPPLY SECTION & UNUSED SECTION OF THE DIFFUSER TO BE USED AS RETURN U.N.O.

VAV TERMINAL UNIT SCHEDULE

SYMBOL	INLET DIAM. (IN.)	CFM			REMARKS
		MAXIMUM CAPACITY	MAXIMUM SETTING	MINIMUM SETTING	

FAN COIL UNIT SCHEDULE

SYMBOL	LOCATION	SERVICE	NOMINAL TONS	FAN				COOLING CAPACITY										FILTER			HUMIDIFIER / REHEAT (FLA/MOPD)	MFR. & MODEL NUMBER	REMARKS
				CFM	EXT. S.P. IN.W.G.	H.P.	ELEC	E.A.T.		E.W.T. (°F)	L.W.T. (°F)	KBTUH		FACE AREA SQ. FT.	NO. ROWS	TOTAL GPM	P.D. FT. H20	TYPE	NO.	FILTER SIZE			
								(°F) DB	(°F) DB			TOTAL	SENS										

PROVIDE HIGH LEVEL WATER LEVEL SENSOR WITH CUT OFF SWITCH AND BMS ALARM FOR ALL FAN COIL UNIT CONDENSATE DRAIN PANS.

FAN POWERED TERMINAL UNIT SCHEDULE

SYMBOL	LOCATION	SIZE-INLET DIAMETER INCHES	AIRFLOW RANGE (CFM)	HOT WATER HEATING COIL			PRIMARY AIR MINIMUM (CFM)	PRIMARY AIR MAXIMUM (CFM)	FAN						MANUFACTURER AND MODEL NUMBER	REMARKS
				MBH	GPM	P.D. (FT W.C.)			FAN CFM COOLING MINIMUM	FAN CFM COOLING MAXIMUM	FAN CFM HEATING	ESP (IN.)	HP	RPM		
FPB															NAILOR 35 SWST	DDC W/ ECM MOTOR

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DULUTH AIRPORT AUTHORITY

DULUTH INTERNATIONAL AIRPORT
DULUTH, MN

NEW TERMINAL DESIGN

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REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 10-30-09
REVIEWED BY: MXB
DRAWN BY: JEH
DESIGNED BY: XX

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SHEET TITLE

MECHANICAL EQUIPMENT SCHEDULES I

SHEET NUMBER

M401

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