Inspections Division
Date: 05/11/17

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	GROUP	TYPE/PATTERN	BORDER/MOUNT	CONSTRUCTION	MANUF.	MODEL	NOTES
A	SUPPLY AIR	24" x 24" 360 DEGREE HORIZONTAL	CEILING (SURFACE MOUNT)	STEEL WHITE	TITUS	T3SQ-4	FURNISH WITH OPPOSED BLADE BALANCING DAMPER AND FRONT BLADES PARALLEL TO THE LONG DIMENSION. NECK SIZE PER PLANS.
A1		DOUBLE DEFLECTION	SIDEWALL (SURFACE MOUNT)	STEEL PRIMED WHITE	TITUS	300RL	SIZE PER PLANS. FURNISH WITH OPPOSED BLADE BALANCING DAMPER AND FRONT BLADES PARALLEL TO THE LONG DIMENSION.
A2		HORIZONTAL & VERTICAL	LAY-IN CEILING (SEE NOTE 4)	STEEL, PAINTED WHITE W/ BLACK PATTERN	TITUS	FL-15	PROVIDE WITH DIFFUSER PATTERN CONTROLLER. ALL ARE TO BE 4 FT. IN LENGTH, 1 SLOT, AND SUPPLIED WITH 10" INLET AND 1.5" SLOT WIDTH
A3		12" x 12" 360 DEGREE HORIZONTAL	CEILING (SURFACE MOUNT)	STEEL, PAINTED WHITE	TITUS	OMNI	FURNISH WITH OPPOSED BLADE BALANCING DAMPER. NECK SIZE PER PLANS.
B	RETURN AIR REGISTERS	24" x 24" CEILING MOUNTED (DUCTED)	LAY-IN CEILING (SEE NOTE 3)	ALUMINUM, PAINTED WHITE	TITUS	PAR	NECK SIZE PER PLANS.
B1		SIDEWALL RETURN GRILLE	SURFACE MOUNT	STEEL PAINTED WHITE	TITUS	25RL	SIZE PER PLANS. CONSTRUCTION WITH 1/2" BLADES SPACING AND 30 DEG. DEFLECTION. (INSTALL INVERTED)

NOTES:
1. PROVIDE MAKE AND MODEL SPECIFIED OR ENGINEER APPROVED SUBSTITUTE.
2. COORDINATE AIR DEVICE COLOR SELECTION WITH ARCHITECT.
3. ALL 12"x12" AND 24"x24" CEILING MOUNTED SUPPLY AND RETURNS IN GYP OR PLASTER CEILINGS SHALL BE INSTALLED WITH A LAY-IN PLASTER FRAME EQUAL TO TITUS MODEL TRM.
4. ALL ADJUSTABLE LINEAR SUPPLY AIR DEVICES IN GYP OR PLASTER CEILING SHALL BE INSTALLED WITH A LAY-IN PLASTER FRAME EQUAL TO TITUS MODEL PF-TBD.

ELECTRIC AIR CURTAIN SCHEDULE

MARK	MFR	MODEL	AIRFLOW RATE - HIGH (CFM)	MOTOR (#/HP)	DOOR WIDTH (INCHES)	HEATING CAPACITY (BTU/HR)	ELECTRICAL INPUT KW	VOLT/PH/HZ	FLA	MOCP	WEIGHT (LBS.)	REMARKS
HAC-1	MARS	LPV272-1E	1800	1@1/6	72	32,423	13	208/3/60	37	50	56	1, 2
HAC-2	MARS	LPV272-1E	1800	1@1/6	72	32,423	13	208/3/60	37	50	56	1, 2

REMARKS:
1) PROVIDE WITH CONTROL PACKAGE INCLUDING FACTORY INSTALLED THERMOSTAT, DOOR SWITCH, TIME DELAY AND MOUNTING BRACKETS.
2) CONTRACTOR TO PROVIDE A SEPARATE DISCONNECT SWITCH.

FAN SCHEDULE

MARK	MFR	MODEL	CFM	S.P. (IN W.G.)	ELECTRICAL H.P.	VOLT/PH/HZ	OPER W/T (LBS)	REMARKS
EF-1	GREENHECK	G-095-VG	670	0.50	1/4	120/1/60	22	1,2,3

REMARKS:
1 PROVIDE FACTORY INSTALLED DISCONNECT SWITCH.
2 EXHAUST FAN TO BE CONTROLLED BY TIME CLOCK.
3 PROVIDE GRAVITY BACKDRAFT DAMPER.

ELECTRIC UNIT HEATER SCHEDULE

MARK	MFR	MODEL	HEATING CAPACITY (BTU/HR)	ELECTRICAL INPUT KW	AMPS	VOLT/PH/HZ	REMARKS
UH-2,3,4	QMARK	CRA1512-IF	5,120	1.50	12.50	120/1	1,2

REMARKS:
1.) PROVIDE SELF-CONTAINED THERMOSTAT AND INTEGRAL DISCONNECT SWITCH.
2.) HEATER SHALL BE MOUNTED RECESSED IN WALL.

LANDLORD PROVIDED & INSTALLED RTU SCHEDULE (TRANE)

TAG NAME		RTU-1	RTU-2	RTU-3	RTU-4
UNIT MODEL		YHC120	YHC102	YHC090	YHC090
UNIT SIZE		10.0	8.5	7.5	7.5
VOLTAGE	V/HZ/PH	208/60/3	208/60/3	208/60/3	208/60/3
DUCT CONFIGURATION		DOWNFLOW	DOWNFLOW	DOWNFLOW	DOWNFLOW
MAX. UNIT OPERATING WEIGHT	LBS	1,608	1,300	1,291	1,291
COOLING PERFORMANCE					
ELEVATION	FT	62	62	62	62
DESIGN AIRFLOW	CFM	3,600	3,000	3,200	2,400
AMBIENT TEMP	°F	96.0	96.0	96.0	96.0
COOLING ENTERING DB	°F	74.4	76.7	74.3	75.5
COOLING ENTERING WB	°F	63.7	64.2	62.0	64.4
COOLING LEAVING UNIT DB	°F	55.0	56.0	56.3	54.4
COOLING LEAVING UNIT WB	°F	53.8	54.1	53.1	52.9
GROSS TOTAL CAPACITY	MBH	106.1	93.0	85.5	83.3
GROSS SENSIBLE CAPACITY	MBH	81.4	71.4	67.0	57.6
EER AT ARI		12.4	12.5	12.6	12.6
SUPPLY FAN					
DESIGN ESP	IN. WG	0.5	0.5	0.5	0.5
TOTAL STATIC PRESSURE	IN. WG	0.7	0.7	0.8	0.6
HEATING PERFORMANCE					
HEATING EAT	°F	55.7	51.8	56.1	50.3
HEATING LAT	°F	86.9	81.7	84.2	87.6
INPUT HEATING CAPACITY	MBH	150.0	120.0	120.0	120.0
OUTPUT HEATING CAPACITY	MBH	120.0	96.0	96.0	96.0
HEATING AMBIENT	°F	-3.0	-3.0	-3.0	-3.0
ELECTRICAL DATA					
MCA	A	46.1	42.0	41.9	41.9
MOP	A	60	50	50	50

FACTORY INSTALLED OPTIONS:
1. ECONOMIZER WITH DRY-BULB CONTROL.
2. THERMAL EXPANSION VALVE.
3. CRANKCASE HEATERS.
4. NON-FUSED DISCONNECTS.
5. UN-POWERED CONVENIENCE RECEPTACLE.
6. HINGED ACCESS DOORS ON ALL SECTIONS OF THE UNITS.
7. 10-YEAR HEAT EXCHANGER WARRANTY.
8. 5-YEAR COMPRESSOR PARTS WARRANTY.
10. BELT-DRIVE MOTOR OPTION WHERE APPLICABLE.
12. 2" DEEP PLEATED MERV 8 RATED FILTERS
13. EPOXY COATING FOR CONDENSER COILS.

FACTORY PROVIDED, FIELD INSTALLED OPTIONS:
1. POWER EXHAUST.
2. THE EQUIPMENT MANUFACTURER SHALL PROVIDE 14", PITCHED, WIND RATED ROOF CURBS.

CONTRACTOR PROVIDED AND INSTALLED ITEMS:
1. CONTRACTOR IS RESPONSIBLE FOR CLEAN HVAC COILS AT THE END OF CONSTRUCTION. PROVISIONS SHOULD BE TAKEN TO KEEP COILS CLEAN, AND IF COILS GET DIRTY, THEN CONTRACTOR IS RESPONSINLE FOR CLEANING THEM.
2. CONTRACTOR SHALL PROVIDE THREE SETS OF 2" DEEP PLEATED MERV 8 RATED FILTERS (SUCH AS FARR 30/30 FILTERS). THE CONTRACTOR SHALL REPLACE FILTERS JUST PRIOR TO AIR-BALANCE, AFTER ANY HEAVY SANDING, AND ONCE AGAIN AFTER FINAL STORE CLEANING IS COMPLETE.
3. CONTRACTOR TO PROGRAM HVAC EQUIPMENT THERMOSTAT, INITIAL OPERATION HOURS AND TEMPERATURE SET POINTS. ADJUST OPERATIONAL HOURS WHEN OBTAINED BY GENERAL CONTRACTOR.

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State of Registration MAINE
Firm Registration No. N/A
EEA Project No. 20166538

DRAWN BY: ARC
CHECKED BY: BKK

PRELIMINARY DESIGN DOCUMENT
Not intended for Construction, Bidding or Permit. This document is released under the authority of:
Registrant's Name: MICHAEL N. HART
Serial No: 10507

west elm
Dowtown Portland
164 Middle Street
Portland, ME 04101
PROJECT #006-160335.00

ISSUED / REVISED	DATE
PRELIMINARY SET	09/08/16
LL COORDINATION SET	11/08/16
LL/PERMIT SET	11/21/16
BID SET	1/26/17
MSK-7	05/01/17

HVAC SCHEDULES

M-002