

| 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. |
| A2 | | HORIZONTAL & VERTICAL | LAY-IN CEILING (SEE NOTE 4) | STEEL, PAINTED WHITE W/ BLACK PATTERN | TITUS | FL-15 | FURNISH WITH OPPOSED BLADE BALANCING DAMPER AND FRONT BLADES PARALLEL TO THE LONG DIMENSION. 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 WIDTH (#HP) | DOOR WIDTH (INCHES) | HEATING CAPACITY (BTU/HR) | ELECTRICAL | | | WEIGHT (LBS.) | REMARKS |
| | | | | | | | INPUT KW | VOLT/PH/Hz | FLA MOCP | | |
| 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 | | OPER WT (LBS) | REMARKS |
| | | | | | H.P. | VOLT/PH/Hz | | |
| 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 | | | REMARKS |
| | | | | INPUT KW | AMPS | VOLT/PH/Hz | |
| 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 | 208/60/3 | 208/60/3 | 208/60/3 | 208/60/3 |
| DUCT CONFIGURATION | DOWNFLOW | DOWNFLOW | DOWNFLOW | DOWNFLOW |
| MAX UNIT OPERATING WEIGHT | 1,608 | 1,300 | 1,291 | 1,291 |
| COOLING PERFORMANCE | | | | |
| ELEVATION | 62 | 62 | 62 | 62 |
| DESIGN AIRFLOW | 3,600 | 3,000 | 3,200 | 2,400 |
| AMBIENT TEMP | 96.0 | 96.0 | 96.0 | 96.0 |
| COOLING ENTERING DB | 74.4 | 76.7 | 74.3 | 75.5 |
| COOLING ENTERING WB | 63.7 | 64.2 | 62.0 | 64.4 |
| COOLING LEAVING UNIT DB | 55.0 | 56.0 | 56.3 | 54.4 |
| COOLING LEAVING UNIT WB | 53.8 | 54.1 | 53.1 | 52.9 |
| GROSS TOTAL CAPACITY | 106.1 | 93.0 | 85.5 | 83.3 |
| GROSS SENSIBLE CAPACITY | 81.4 | 71.4 | 67.0 | 57.6 |
| EER AT ARI | 12.4 | 12.5 | 12.6 | 12.6 |
| SUPPLY FAN | | | | |
| DESIGN ESP | 0.5 | 0.5 | 0.5 | 0.5 |
| TOTAL STATIC PRESSURE | 0.7 | 0.7 | 0.8 | 0.6 |
| HEATING PERFORMANCE | | | | |
| HEATING EAT | 55.7 | 51.8 | 56.1 | 50.3 |
| HEATING LAT | 86.9 | 81.7 | 84.2 | 87.6 |
| INPUT HEATING CAPACITY | 150.0 | 120.0 | 120.0 | 120.0 |
| OUTPUT HEATING CAPACITY | 120.0 | 96.0 | 96.0 | 96.0 |
| HEATING AMBIENT | -3.0 | -3.0 | -3.0 | -3.0 |
| ELECTRICAL DATA | | | | |
| MCA | 46.1 | 42.0 | 41.9 | 41.9 |
| MOP | 60 | 50 | 50 | 50 |

FACTORY INSTALLED OPTIONS:

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

FACTORY PROVIDED, FIELD INSTALLED OPTIONS:

- POWER EXHAUST.
- THE EQUIPMENT MANUFACTURER SHALL PROVIDE 14", PITCHED, WIND RATED ROOF CURBS.

CONTRACTOR PROVIDED AND INSTALLED ITEMS:

- 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 RESPONSIBLE FOR CLEANING THEM.
- 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.
- CONTRACTOR TO PROGRAM HVAC EQUIPMENT THERMOSTAT, INITIAL OPERATION HOURS AND TEMPERATURE SET POINTS. ADJUST OPERATIONAL HOURS WHEN OBTAINED BY GENERAL CONTRACTOR.

OWNER:
WILLIAMS-SONOMA, INC.
3250 Van Ness Avenue
San Francisco, CA 94109
T 415 616 8602
F 415 439 8164
www.williams-sonoma.com



EEA Consulting Engineers
6615 Vaughn Ranch Road, Suite 200
Austin, Texas 78730-2314 USA
512.744.4400 main 512.744.4444 fax
www.eea.com

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 H. HART
Serial No. 12552

west elm
Downtown 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 | 1/28/17 |
| MSK-7 | 05/01/17 |

HVAC SCHEDULES

M-002