

**HVAC KEY NOTES:**

- 1 4" EXHAUST DUCT FROM BATH-ROOM EXHAUST FAN TO APPROVED DISCHARGE CAP WITH INTEGRAL BACK DRAFT DAMPER. MAINTAIN 3FT MIN. CLEARANCE TO BUILDING OPENINGS, AND 10' MIN. FROM MECHANICAL FRESH AIR INTAKES. SEE 3/M4.0 FOR ROOF DISCHARGE DETAIL.
- 2 HOOD DRAWINGS (H-1 - H-5) FOR ADDITIONAL INFORMATION.
- 3 SEE SHEET M4.2 FOR KITCHEN HOOD SECTIONS
- 4 DISHWASHER: TYPE II HOOD AND EXHAUST SYSTEM.
- 5 6" Ø SHEETMETAL EXHAUST DUCT IN SOFFIT TO APPROVED SOFFIT CAP WITH BACKDRAFT DAMPER.
- 6 6" EXHAUST DUCT TO APPROVED DISCHARGE CAP WITH INTEGRAL BACK DRAFT DAMPER. MAINTAIN 3FT MIN. CLEARANCE TO ALL OPENINGS, SEE 3/M4.0 FOR ROOF DISCHARGE DETAIL.
- 7 7" Ø RANGE EXHAUST DUCT TO APPROVED CAP. PROVIDE UL LISTED FIRE CAULKING AT RATED MEMBRANE PENETRATIONS.
- 8 OUTDOOR COOLER/ FREEZER UNITS. ROUTE REFRIGERATION LINES UNDER SLAB IN 6" CONDUIT WITH LONG SWEEPS.
- 9 INSTALL ATTIC FANS (EF-9) NEAR ROOF PEAK, OPPOSITE OF MAIN PARKING.
- 10 8" EXHAUST DUCT FROM EXHAUST FAN TO APPROVED DISCHARGE CAP WITH INTEGRAL BACK DRAFT DAMPER. MAINTAIN 3FT MIN. CLEARANCE TO ALL OPENINGS, SEE 3/M4.0 FOR ROOF DISCHARGE DETAIL.
- 11 LOCATION OF FUTURE DOOR
- 12 MECHANICAL SHAFT COORDINATE WITH ARCHITECTURAL AND STRUCTURAL. SEE DETAILS 8/A8.8 AND 2/S2.5.
- 13 SPLIT SYSTEM EVAPORATORS, SEE MECH. SPECIFICATIONS
- 14 FILTER RETURN GRILLE FOR T-BAR INSTALLATION.
- 15 LAUNDRY MAKE UP AIR -SEE DETAIL 5/M4.0
- 16 ROUTE DRAIN OVER AND DOWN IN WALL. DAYLIGHT INTO JANITOR SINK.
- 17 NOT USED.
- 18 8x8 EXHAUST DUCT TO APPROVED CAP.
- 19 ROUTE ALL DUCTWORK UNDER MECHANICAL WELL INTO ATTIC SPACE.
- 20 SEE SHEETS SMOKE CONTROL SHEETS SC1.1, 1.2 1.3, 1.4 AND SC2.1 FOR ATRIUM SMOKE EXHAUST
- 21 COORDINATE DUCT ROUTING CLOSELY W/ STRUCTURAL. NOTIFY ARCHITECT IF CONFLICTS OCCUR. TYPICAL FOR ALL AREAS OF BUILDING.
- 22 W/ FSD AT TOP OF SHAFT
- 23 DRYER VENT, (4" MIN., MATCH DRYER DISCHARGE) EXHAUST DUCT TO APPROVED ROOF CAP WITH INTEGRAL BACK DRAFT DAMPER.
- 24 MOUNT PTAC UNIT 8" ABOVE OUTSIDE ROOF LINE. PROVIDE REMOTE THERMOSTAT OR REMOTE CONTROLLER WHERE MANUFACTURER EQUIPMENT HAS NO OPTION FOR REMOTE THERMOSTAT.
- 25 WATER HEATER VENTING UP. PROVIDE 3" PVC FOR VENT AND 3" PVC FOR COMBUSTION AIR. SEE DETAILS 1/M2.2 AND 14/M4.0.
- 26 DRYER VENT, 4" EXHAUST DUCT TO IN-O-VATE DRYER BOX AT WALL PENETRATION. PROVIDE UL LISTED RATED SEAL AT MEMBRANE PENETRATIONS. SEE SHEET M4.0 FOR DRYER DETAILS.
- 27 PROVIDE CONDENSATE LINE FOR FUTURE THRU-WALL PTAC UNITS IN "C" UNIT SPARE BEDROOMS.

**DIFFUSER, REGISTER AND GRILLE SCHEDULE**

SYM	TYPE	FACE	FRAME	DAMPER	FINISH	MODEL NO.
CD-1	CEILING DIFFUSER	LOUVERED	T-BAR	MVD	WHITE	E.H. PRICE SMD
CD-2	CEILING DIFFUSER	LOUVERED	SURFACE	CRD	WHITE	E.H. PRICE SMD
CD-3	CEILING SUPPLY/EXHAUST	LOUVERED	SURFACE	N/A	WHITE	ALDES 'CAR'
CRG-1	CEILING GRILLE	PERFORATED	T-BAR	MVD	WHITE	E.H. PRICE PDR
CRG-2	CEILING GRILLE	PERFORATED	SURFACE	CRD	WHITE	E.H. PRICE PDR
CRG-3	CEILING FILTER GRILLE	PERFORATED	T-BAR	MVD	WHITE	E.H. PRICE TOFF
RG-1	SIDEWALL GRILLE	FIXED BAR	1" BORDER	CRD	WHITE	E.H. PRICE S30
SR-1	SIDEWALL SUPPLY GRILLE	DOUBLE DEFL.	1" BORDER	CRD	WHITE	E.H. PRICE S20
TG-1	TRANSFER GRILLE	FIXED BAR	1" BORDER	CRD	WHITE	E.H. PRICE S30
CTG-1	CEILING GRILLE	FIXED BAR	SURFACE	CRD	WHITE	E.H. PRICE S30
WL-1	WALL LOUVER	FIXED BAR	9" DEEP	CRD	MILL	RUSKIN ELF8370DX
WL-2	WALL LOUVER	FIXED BAR	2" DEEP	CRD	MILL	GREENHECK EHH-201 SIZE: 22X10

CRD = OPPOSED BLADE DAMPER  
MVD = MANUAL VOLUME DAMPER

SEE DETAILS 8/M2.1, 9/M2.1, AND 9/M4.0 FOR ALLOWABLE BORING / NOTCHING OF MEMBERS.

**SECOND FLOOR - HVAC**  
SCALE: 1/8" = 1'-0"

