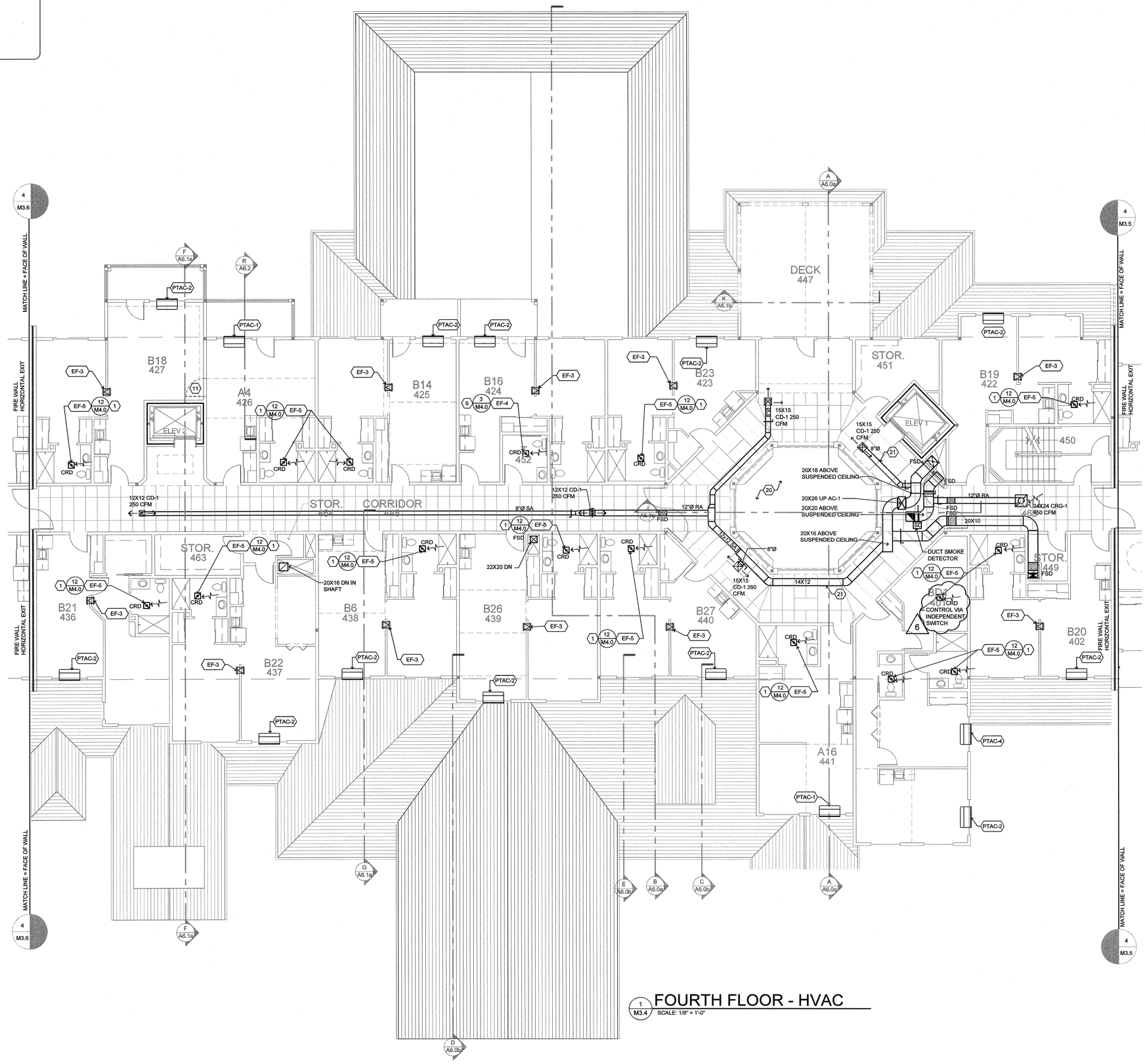

1 FOURTH FLOOR - HVAC

M3.4 SCALE: 1/8" = 1'-0"

HVAC KEY NOTES:

1. 4" EXHAUST DUCT FROM BATHROOM 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. SEE 13/M4.0 FOR WALL DISCHARGE.
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. USE ALUMINUM DUCTWORK.
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. SEE 13/M4.0 FOR WALL DISCHARGE.
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. DUCT LOCATED IN ATTIC, INSULATE WITH EXTERIOR INSULATION MIN. 2"
16. ROUTE DRAIN OVER AND DOWN IN WALL. DAYLIGHT INTO JANITOR SINK.
17. EXHAUST DUCTS LOCATED IN THE ATTIC FROM BELOW 1" INSULATION.
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 6" 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.
28. SMOKE CONTROL DUCTS. SEE "SC" SHEETS FOR MORE INFORMATION.
29. TRANSFER AIR DUCT. TWO 12X12" PRICE PDDR DIFFUSER CONNECTED WITH A 8X4" DUCT. PROVIDE A FIRE SMOKE DAMPER WHERE DUCT CROSSES CORRIDOR WALL. MOTOR TO BE MOUNTED ON CORRIDOR SIDE OF WALL. SEE DETAIL 5/M4.0.
30. LOCATE IN VACANT SPACE ABOVE BUILT-IN FREEZER/REFIRGERATOR
31. INTERLOCK MOTORIZED DAMPER TO OPEN WHEN HP IS OPERATING. SEE MECHANICAL SCHEDULE (M4.2) FOR MINIMUM OUTSIDE AIR REQUIREMENT. (6)

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	OBD	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	OBD	WHITE	E.H. PRICE PDR
CRG-3	CEILING FILTER GRILLE	PERFORATED	T-BAR	MVD	WHITE	E.H. PRICE 10FF
RG-1	SIDEWALL GRILL	FIXED BAR	1" BORDER	OBD	WHITE	E.H. PRICE 530
SR-1	SIDEWALL SUPPLY GRILL	DOUBLE DEFL.	1" BORDER	OBD	WHITE	E.H. PRICE 520
TG-1	TRANSFER GRILL	FIXED BAR	1" BORDER	OBD	WHITE	E.H. PRICE 530
CTG-1	CEILING GRILLE	FIXED BAR	SURFACE	OBD	WHITE	E.H. PRICE 530
WL-1	WALL LOUVER	FIXED BAR DRAINABLE	6" DEEP	OBD	MILL.	RUSKIN ELF6375DX
WL-2	WALL LOUVER	FIXED BAR DRAINABLE	2" DEEP		MILL.	GREENHECK EHH-201 SIZE: 22X10

OBD = 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.

PTAC CALLOUTS HAVE BEEN UPDATED (6)

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FOURTH FLOOR CORE HVAC PLAN

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DATE
8/28/2015
REVISED DATE
6 3/13/2017

SHEET
M3.4