60X34 & 60X10 OA DUCTS UP FROM BASEMENT TO MEZZANINE

INSTALL FIRE DAMPER AT FIRST FLOOR AND MEZZ FLOOR PENETRATIONS

12X22 UP
8X22 DOWN

24X18 EXHAUST LOUVER

EXTEND 16X16 RA UP THRU VAULT ROOF W/FD & SECURITY BARS AT PENETRATION

DROP THRU VAULT ROOF

SECURITY BARS & FD AT PENETRATION

72X18 OR DUCT UP FROM BASEMENT TO MEZZANINE (ALT 1)

72X16 REL UP TO RELIEF SHAFT AT MEZZANINE (ALT 1)

EXPOSED DUCTWORK TIGHT TO CEILING

16X12 UP THRU MEZZ FLOOR W/FD

12X20 UP THRU MEZZ FLOOR W/FD

0-2 HOUR MARK TIME SWITCH FOR EF-13

12X12 UP TO MEZZ W/FD

GENERAL NOTES:

1. ALL DUCTWORK SHOWN THUS [▨] SHALL BE DUAL WALL FACTORY INSULATED PER SPECIFICATIONS.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION AND RATING OF FIRE SEPARATION WALLS REQUIRING FIRE DAMPERS AND FIRE PENETRATION SEALANT.
3. CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK WITH PIPING, LIGHTS, STRUCTURE AND ARCHITECTURAL CEILINGS.
4. DO NOT ROUTE PIPING OR DUCTWORK OVER ELECTRICAL PANELS.
5. PROVIDE TURNING VANES AT ALL LOW VELOCITY DUCT TURNS GREATER THAN 30° (SUPPLY, RETURN AND EXHAUST) PER SPECIFICATIONS.

PLAN NOTES:

① PROVIDE SPLITTER DAMPER AND TURNING VANES

② DROP TO BELOW MEZZ - SEE DETAIL 1, SHEET M1.4

③ RETURN AIR ELBOW ABOVE CEILING WITH 1" THICK LINER AND TURNING VANES. SIZE AS INDICATED.

(A) FIRST FLOOR MECHANICAL PLAN

1/8" = 1'-0"

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