(4) DISCONNECT AND REMOVE EXISTING AIR HANDLER FROM MEZZANINE MECHANICAL ROOM. CUT UP EXISTING UNIT AS REQUIRED FOR REMOVAL. DISCONNECT AND REMOVE EXISTING 40 KW ELECTRICAL HEAT ELEMENT. REFER TO ELECTRICAL

5) PROVIDE AND INSTALL NEW DOWN-FLOW FURNACE AS

STRUCTURE. PROVIDE SHEET METAL DRAIN PAN CONNECTIONS TO NEW FURNACE AND DRAIN PAN. RISE 6" OUTSIDE AIR DUCT UP AND TERMINATE AT

7) REMOVE SECTION OF EXISTING 60x24 DUCT IN ATTIC

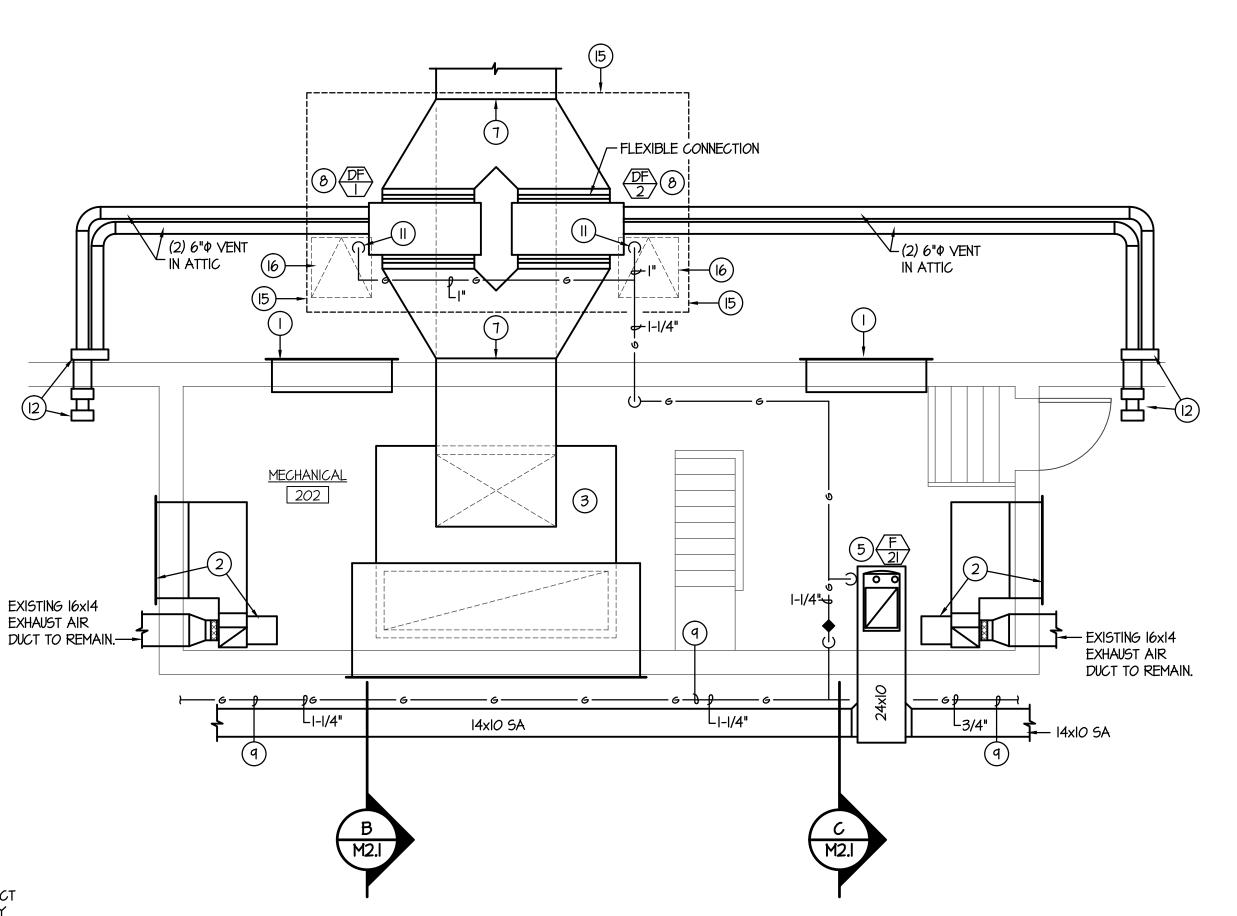
(8) PROVIDE AND INSTALL NEW DUCT FURNACE AS

FOR TYPICAL GAS LINE CONNECTION TO INDOOR EQUIPMENT.

EXTEND THRU WALL WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL O/M3.I FOR TYPICAL INSTALLATION OF DUCT FURNACE AND VENTS THRU WALL.

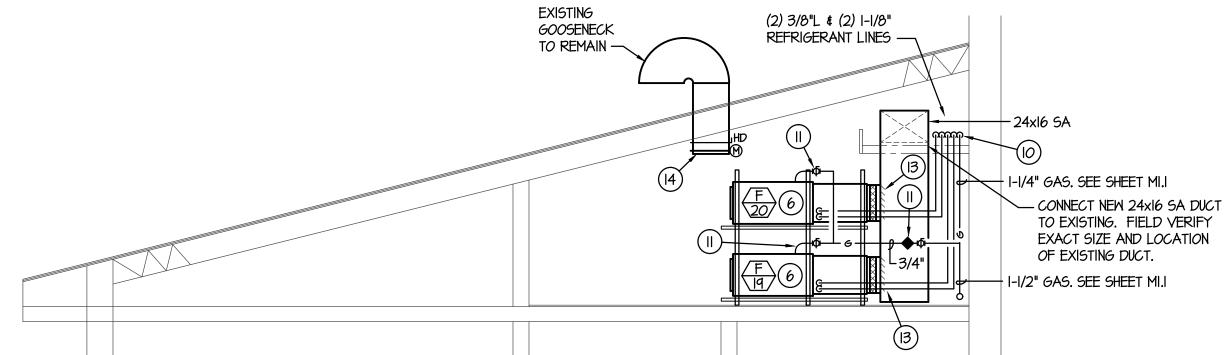
(14) EXISTING GOOSENECK AND (2) IOXIB OUTSIDE AIR DUCTS THRU ROOF TO REMAIN. DISCONNECT FROM EXISTING AIR HANDLER. PROVIDE SINGLE MOTORIZED DAMPER AND MANUAL BALANCING DAMPER ACROSS BOTH DUCTS. BALANCE TO 500 MAXIMUM OUTSIDE AIR. REFER TO DETAIL B/M3.1 FOR TYPICAL DAMPER

(15) REMOVE EXISTING CEILING TILE AND GYP. BOARD AS REQUIRED TO INSTALL NEW EQUIPMENT. RETAIN EXISTING TILE FOR RE-INSTALLATION. REPAIR EXISTING GYPSUM BOARD AND CEILING TILE AFTER WORK HAS BEEN COMPLETED. FIELD VERY EXISTING CONDITIONS PRIOR TO BIDDING. PROVIDE NEW CEILING TILE AS REQUIRED TO MATCH EXISTING.



LARGE SCALE GYM MECH. ROOM

SCALE: 1/4" = 1'-0"



F & F 20

LARGE SCALE CAFETERIA MECH. ROOM

<u>MECHANICAL</u>

CEILING ACCESS -

SCALE: 1/4" = 1'-0"

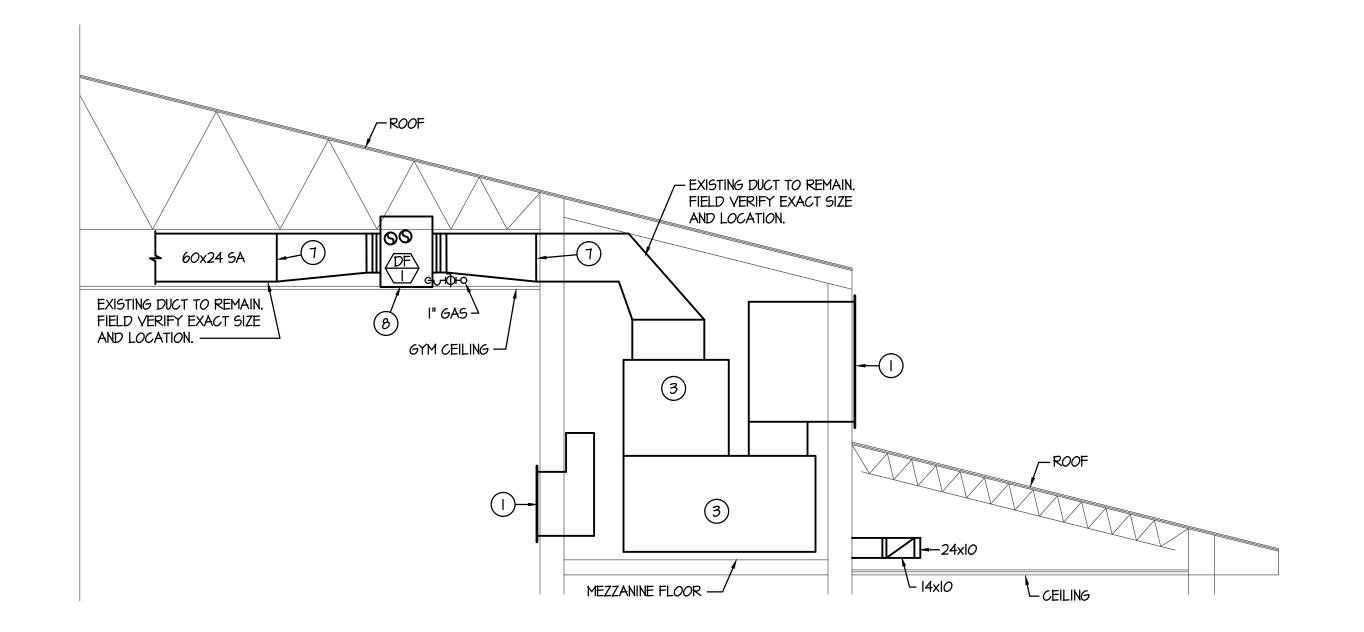
CONNECT NEW 24x16 SA DUCT

TO EXISTING. FIELD VERIFY EXACT SIZE AND LOCATION

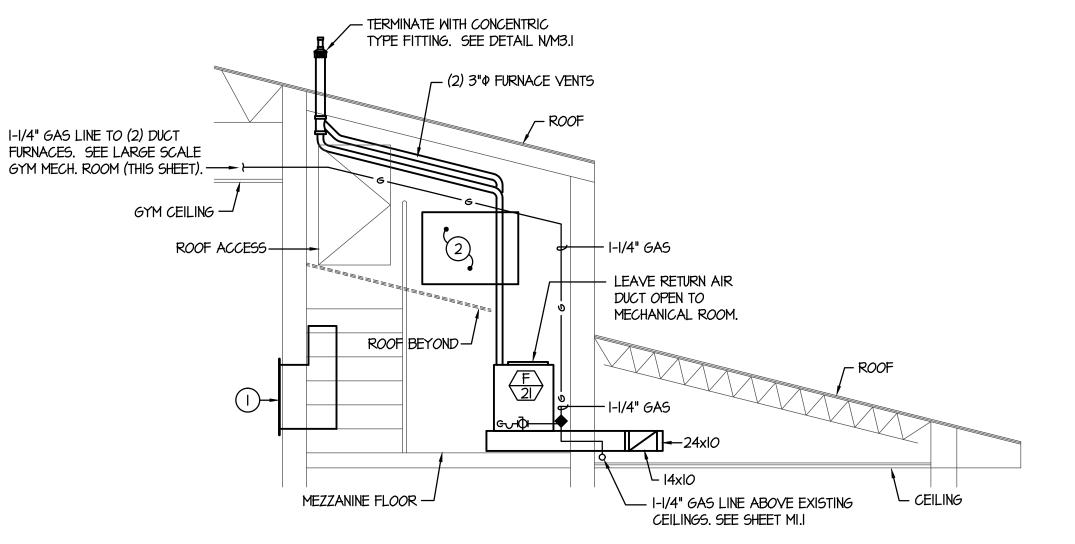
OF EXISTING DUCT.

I-I/2"-√









MECHANICAL SECTION SCALE: 1/4" = 1'-0"



EXISTING RETURN GRILLE AND SOUND BOOT TO REMAIN. PROTECT GRILLES AND DUCTWORK DURING

3 EXISTING AIR HANDLER TO REMAIN. DISCONNECT AND REMOVE EXISTING 200 KM ELECTRICAL HEAT

ELEMENT. REFER TO ELECTRICAL DRAWINGS.

6 PROVIDE AND INSTALL NEW HORIZONTAL FURNACE AS SPECIFIED. SUPPORT FURNACE FROM EXISTING ROOF BELOW FURNACE AND DX COOLING COIL. REFER TO DETAIL L/M3.I FOR TYPICAL SUPPORTS AND PIPING NORTH SIDE OF ROOF RIDGE VENT.

AS REQUIRED TO INSTALL NEW DUCT FURNACES. PROVIDE NEW DUCT TRANSITIONS AS REQUIRED TO CONNECT EXISTING DUCT TO NEW FURNACES. FIELD VERIFY EXACT DUCT SIZES AND LOCATIONS.

SPECIFIED. MOUNT IN ATTIC SPACE AND SUPPORT FROM ROOF STRUCTURE. CONNECT I" GAS LINE WITH SHUT-OFF VALVE AND FLEXIBLE HOSE TO EACH UNIT. (REFER TO DETAIL D/M3.I.) RUN (2) 6" VENTS THRU ATTIC SPACE AND EXTEND THRU EXTERIOR WALL WITH CONCENTRIC TYPE FITTING. (REFER TO DETAIL O/M3.1)

9) RUN NEW GAS LINE THRU ATTIC SPACE. FIELD VERIFY EXISTING CONDITIONS AND ADJUST ROUTING OF PIPING AS REQUIRED FOR CONDITIONS.

(IO) RUN NEW REFRIGERANT AND GAS PIPING ABOVE CEILING CLOUD IN CAFETERIA. COORDINATE PIPING WITH EXISTING LIGHT FIXTURES AND DUCTWORK.

(II) CONNECT GAS LINE TO EQUIPMENT WITH SHUT-OFF VALVE AND FLEXIBLE HOSE. REFER TO DETAIL D/M3.I

(12) RUN (2) 6" ϕ DUCT FURNACE VENT TO EXTERIOR WALL

(13) PROVIDE BACK-DRAFT DAMPER IN SUPPLY AIR DUCT AT POINT OF CONNECTION TO COMMON SUPPLY DUCT.

INSTALLATION.

(16) PROVIDE NEW 30x30 CEILING ACCESS IN EXISTING (REPAIRED) CEILING. REFER TO SPECIFICATIONS.

cia SOS

Systems

eered

gin

ARGE

DRWN. BY: CKD. BY: M JENSEN D SUDWEEKS JOB NO.