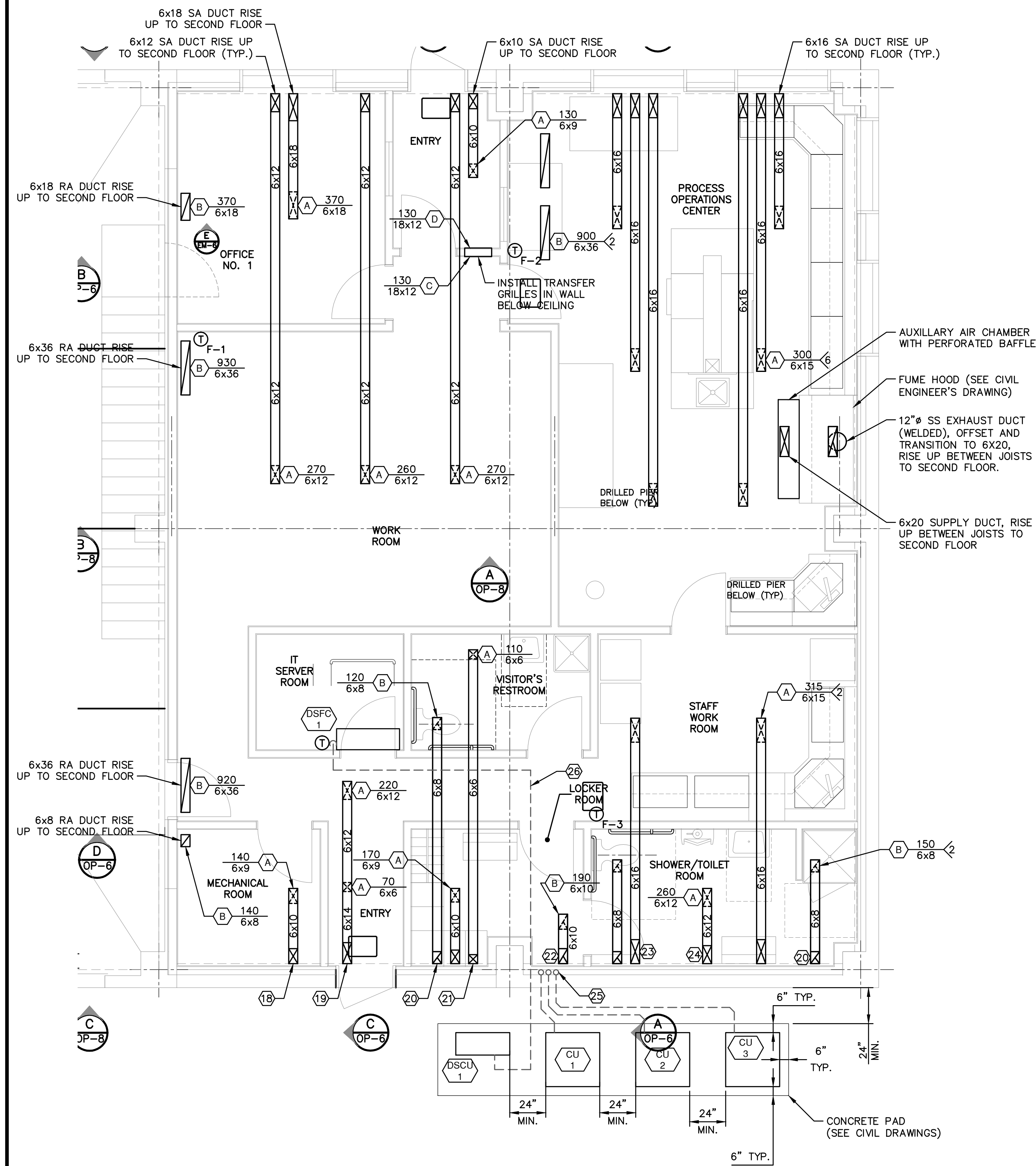


KEYED NOTES

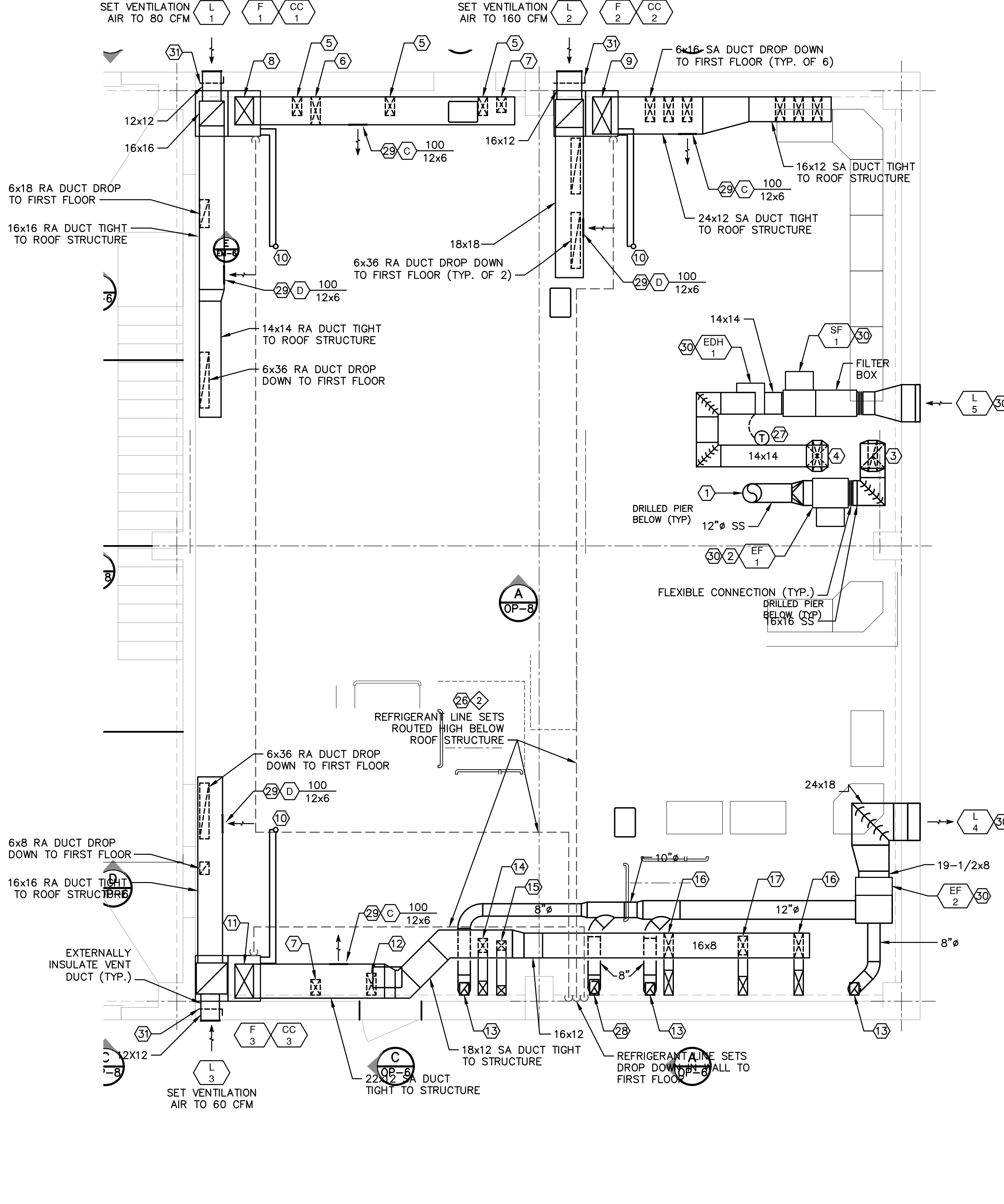
- 12" SS DUCT RISE UP THROUGH ROOF. DUCT SHALL EXTEND ABOVE ROOF VERTICALLY A MINIMUM OF 10'-0". THE LAST 1'-0" SECTION OF THE DUCT SHALL TRANSITION TO 10" Ø. OPENING IN ROOF SHALL BE FLASHED AND SEALED WEATHER-TIGHT. DUCT EXTENSION ABOVE ROOF SHALL BE SUPPORTED BY A MINIMUM OF THREE GUY WIRES WITH 45° ANGLES, ATTACHED TO ROOF STRUCTURE.
- ALL DUCTWORK DOWNSTREAM OF EF-1 SHALL BE WELDED AIRTIGHT.
- 16x16 WELDED SS EA DUCT DROP DOWN AND TRANSITION TO 6x20 SS DUCT ABOVE SECOND FLOOR.
- 14x14 SA DUCT DROP DOWN AND TRANSITION TO 6x20 DUCT PRIOR TO PENETRATING THE FLOOR.
- 6x12 SA DUCT DROP DOWN TO FIRST FLOOR.
- 6x18 SA DUCT DROP DOWN TO FIRST FLOOR.
- 6x10 SA DUCT DROP DOWN TO FIRST FLOOR.
- SA DUCT RISE UP AND TRANSITION TO 18x12, TIGHT TO STRUCTURE.
- SA DUCT RISE UP AND TRANSITION TO 24x12.
- 3" Ø CONCENTRIC VENT KIT THROUGH ROOF. MAINTAIN 10FT. (MIN.) SEPARATION FROM VENTILATION AIR INTAKES.
- SA DUCT RISE UP AND TRANSITION TO 22x12, TIGHT TO STRUCTURE.
- 6x14 SA DUCT DROP DOWN TO FIRST FLOOR.
- 6x8 EA DUCT RISE UP THROUGH FLOOR AND TRANSITION TO 8" Ø.
- 6x10 SA DUCT DROP DOWN TO FIRST FLOOR. OFFSET ABOVE SECOND FLOOR AS REQUIRED.
- 6x6 SA DUCT DROP DOWN TO FIRST FLOOR. OFFSET ABOVE SECOND FLOOR AS REQUIRED.
- 6x16 SA DUCT DROP DOWN TO FIRST FLOOR. OFFSET ABOVE SECOND FLOOR AS REQUIRED.
- 6x12 SA DUCT DROP DOWN TO FIRST FLOOR. OFFSET ABOVE SECOND FLOOR AS REQUIRED.
- 6x10 SA DUCT RISE UP TO SECOND FLOOR, TYPICAL.
- 6x14 SA DUCT RISE UP TO SECOND FLOOR.
- 6x8 EA DUCT RISE UP TO SECOND FLOOR, TYPICAL.
- 6x6 SA DUCT RISE UP TO SECOND FLOOR.
- 6x10 EA DUCT RISE UP TO SECOND FLOOR.
- 6x16 SA DUCT RISE UP TO SECOND FLOOR, TYPICAL.
- 6x12 SA DUCT RISE UP TO SECOND FLOOR.
- REFRIGERANT LINE SETS (SUCTION AND DISCHARGE) RISE UP TO SECOND FLOOR IN WALL.
- REFRIGERANT LINE SET IN JOIST SPACE.
- THERMOSTAT FOR ELECTRIC DUCT HEATER SHALL BE LOCATED WITHIN 14x14 SUPPLY DUCTWORK.
- 6x10 EA DUCT RISE UP THROUGH FLOOR AND TRANSITION TO 8" Ø.
- SURFACE MOUNT ON SIDE OF DUCT.
- MOUNT HIGH, BELOW ROOF STRUCTURE.
- MOTORIZED DAMPER BEHIND VENTILATION LOUVER.

GENERAL NOTES

- A. ALL RECTANGULAR DUCT ON THE UPPER LEVEL, INCLUDING RETURN AIR PLENUM BOXES BELOW FURNACES, SHALL HAVE ACOUSTIC LINING MEETING THE ENERGY CODE.
- B. ROUND DUCT SHALL BE EXTERNALLY WRAPPED. RECTANGULAR DUCT ON THE FIRST FLOOR SHALL BE EXTERNALLY WRAPPED WITH INSULATION MEETING THE ENERGY CODE.



1 LOWER LEVEL MECHANICAL PLAN
MOP-2 SCALE: 1/4" = 1'-0"



1 UPPER LEVEL MECHANICAL PLAN
MOP-2 SCALE: 1/4" = 1'-0"

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
→	AIR FLOW DIRECTION	⊗	POSITIVE PRESSURE DUCT
⊗	AIR DEVICE CALLOUT - TOP DENOTES CFM BOTTOM DENOTES NECK SIZE (SEE SCHEDULES)	⊘	NEGATIVE PRESSURE DUCT
⊗	EQUIPMENT CALLOUT - SEE SCHEDULES	⊗	EXHAUST AIR DUCT
○	ELBOW DOWN	---	REFRIGERANT LINE SET (REPRESENTS SUCTION AND DISCHARGE)
○	ELBOW UP		

REVISIONS

NO.	DATE	DESCRIPTION
1	06/29/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (OPERATIONS BUILDING)
2	08/15/2012	ISSUED FOR CONSTRUCTION PER PPRBD BUILDING PERMIT #135220 (OPERATIONS BLDG)

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MECHANICAL PLAN

HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN: JE
DESIGNED: MK
CHECKED: GF
DATE: MAY 2012
PROJECT NO.: 20166.410
GMS FILE NO.: 2599

GMS, INC.
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SHEET
MOP-2
OF
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