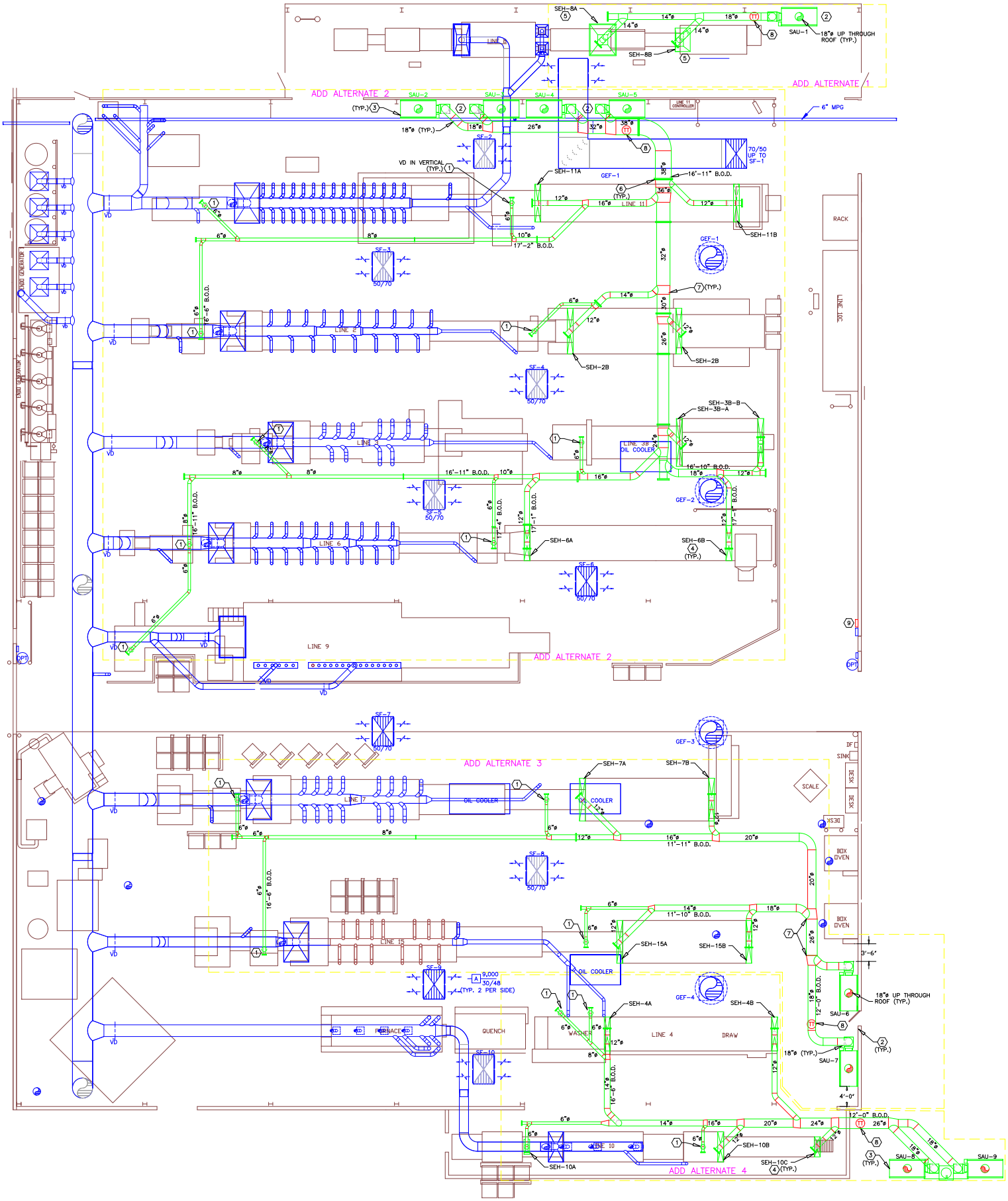
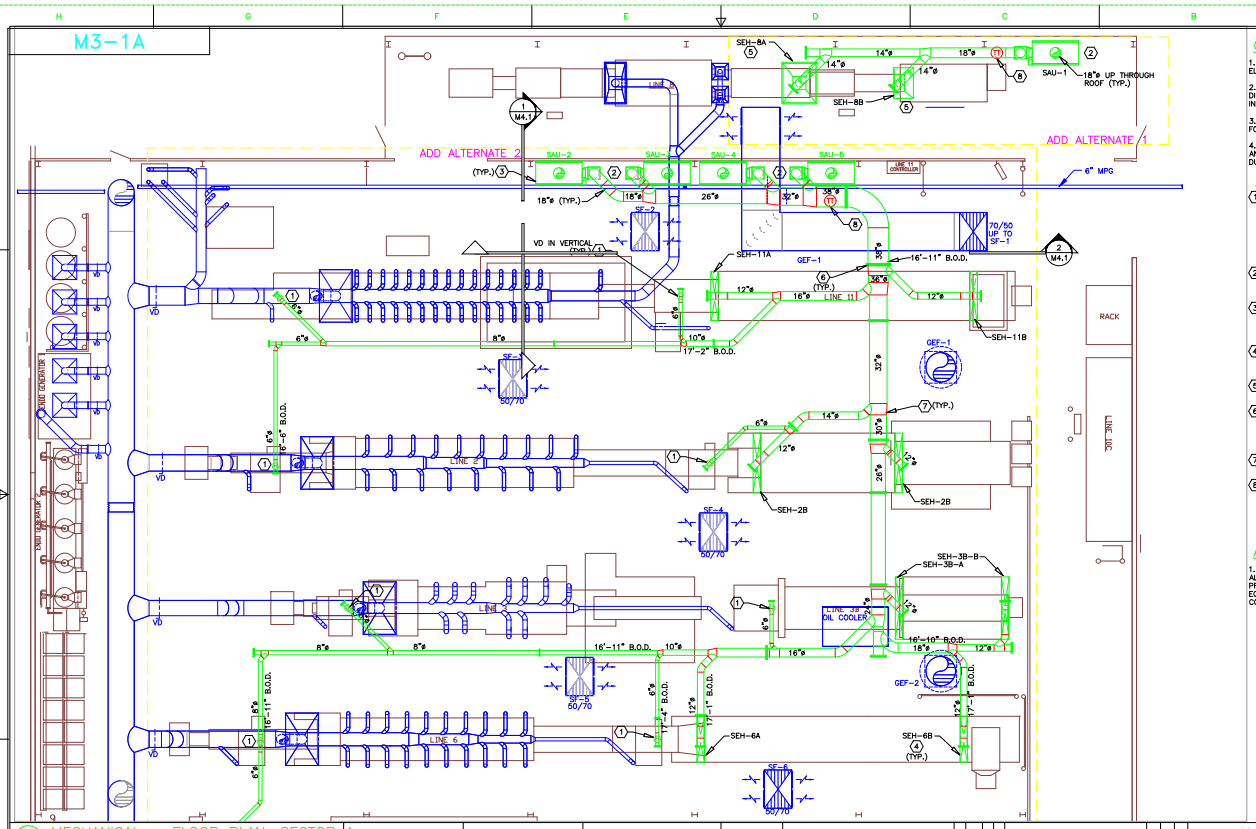

ADD ALTERNATE 1
ADD ALTERNATE 2
ADD ALTERNATE 3
ADD ALTERNATE 4
SEH-8A
SEH-8B
SAU-1
18"ø UP THROUGH ROOF (TYP.)
SAU-2
SAU-3
SAU-4
SAU-5
6" MPG
18"ø (TYP.)
VD IN VERTICAL (TYP.)
SF-2
SF-3
SF-4
SF-5
SF-6
SF-7
SF-8
SF-9
SF-10
70/50 UP TO SF-1
GEF-1
GEF-2
GEF-3
GEF-4
SEH-11A
SEH-11B
16'-11" B.O.D.
17'-2" B.O.D.
LINE 11
LINE 2
SEH-2B
LINE 3
LINE 3B
OIL COOLER
SEH-3B-B
SEH-3B-A
LINE 6
SEH-6A
SEH-6B
LINE 9
RACK
LINE 10C
LINE 7
SEH-7A
SEH-7B
SCALE
SINK
DESK
BOX OVEN
LINE 15
SEH-15A
SEH-15B
9,000 30/48 (TYP. 2 PER SIDE)
FURNACE
QUENCH
WASHER
LINE 4
DRAW
SEH-4A
SEH-4B
SAU-6
SAU-7
SAU-8
SAU-9
SEH-10A
SEH-10B
SEH-10C
LINE 10
12'-0" B.O.D.
11'-11" B.O.D.
11'-10" B.O.D.
16'-6" B.O.D.
11'-4" B.O.D.
17'-1" B.O.D.
VD
OPT


M3-1A
ADD ALTERNATE 2
ADD ALTERNATE 1
SAU-1
SAU-2
SAU-3
SAU-4
SAU-5
18"ø UP THROUGH ROOF (TYP.)
6" MPG
VD IN VERTICAL (TYP.)
SEH-8A
SEH-8B
SEH-11A
SEH-11B
SEH-2B
SEH-3B-B
SEH-3B-A
SEH-6A
SEH-6B
GEF-1
GEF-2
OIL COOLER
RACK
LINE 11
LINE 2
LINE 6
LINE 10
LINE 1C
SF-2
SF-4
SF-5
SF-6
50/70
70/50 UP TO SF-1
16'-11" B.O.D.
17'-2" B.O.D.
16'-10" B.O.D.
17'-1" B.O.D.
16'-6" B.O.D.
17'-4" B.O.D.
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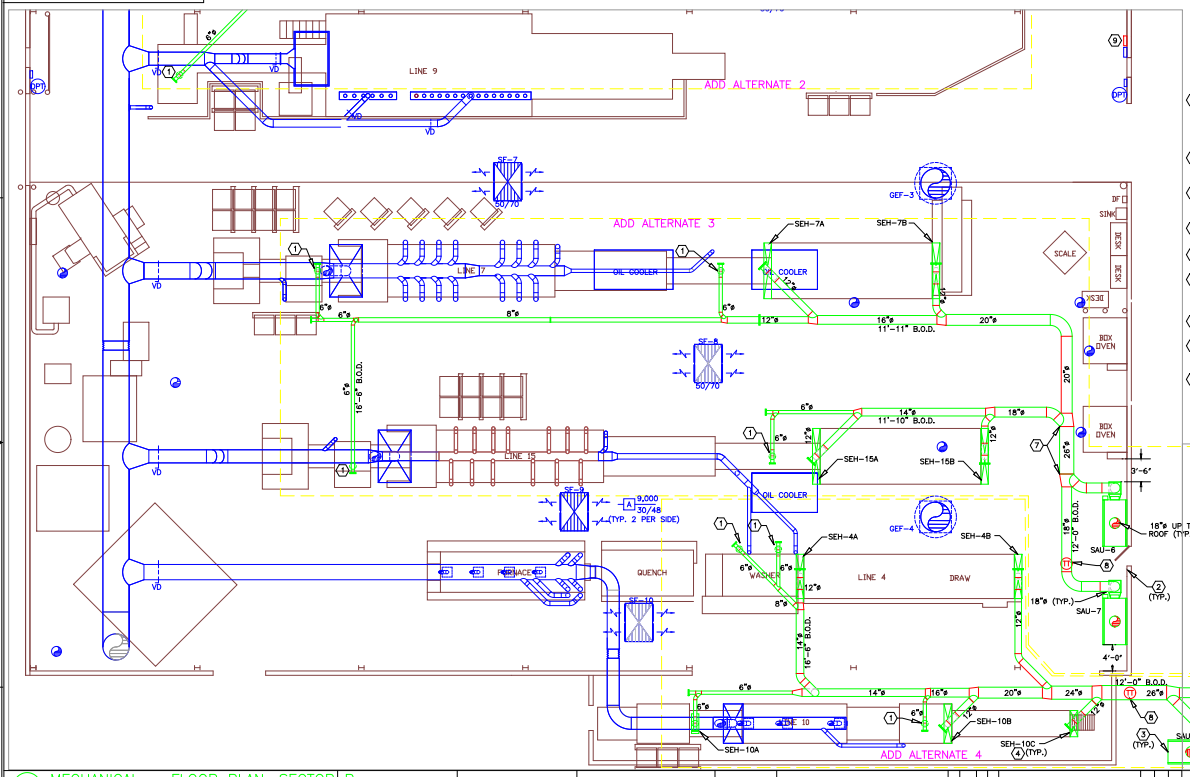
M3-1B



GENERAL NOTES

1. FIELD COORDINATE ALL DUCT ROUTINGS AND ELEVATION PRIOR TO FABRICATION.
2. PROVIDE ACCESS DOORS AT CHANGES IN DIRECTION OVER 45 DEGREES AND EVERY 25 FEET IN STRAIGHT RUNS.
3. SLOPE HORIZONTAL DUCT RUNS AT 1/16" PER FOOT IN DIRECTION OF AIR FLOW.

KEYED NOTES

1. 6" SMOKE EXHAUST DUCT TO WASH SYSTEM. TIE INTO EXISTING DUCT AS AVAILABLE. FURNISH AND INSTALL DUCTWORK TRANSITIONS AS REQUIRED. WHERE NO EXISTING DUCTWORK IS AVAILABLE COORDINATE TIE-IN LOCATION TO TOP OF WASH WITH OWNER. BALANCE FLOWRATES AS SCHEDULED ON SHEET M1-2 (TYP. OF 8 ON THIS SHEET).
2. FURNISH AND INSTALL OIL COLLECTION PIPING SYSTEM. REFER TO 2/M5-1 FOR SYSTEM DETAILS. (TYP. 2 ON THIS SHEET).
3. FURNISH AND INSTALL 3.5" TALL CONCRETE HOUSEKEEPING PADS FOR EACH SAU PAD SHALL EXTEND 4" BEYOND EQUIPMENT FOOTPRINT.
4. REFER TO 1/M5-1 FOR HOOD DETAILS AND M1-2 FOR FLOWRATE SCHEDULE (TYP. ALL BUT LINE 8).
5. REFER TO M/5-2 FOR HOOD DETAILS AND M1-2 FOR FLOWRATE SCHEDULE.
6. INSTALL STAINLESS STEEL BOLTED FLANGE AT LOCATIONS SHOWN. SUPPORT DUCTWORK ON EITHER SIDE OF FLANGE. (TYPICAL) FIELD COORDINATE EXACT AND OTHER LOCATIONS WITH OWNER.
7. USE ECCENTRIC REDUCERS TO KEEP BOTTOM OF DUCT FLAT.
8. FURNISH AND INSTALL DUCT TEMPERATURE PROBE AND TRANSMITTER AT LOCATIONS SHOWN. REFER TO SHEET M6-2 FOR ADDITIONAL INFORMATION. (TYP. OF 2 ON THIS SHEET).
9. HEAT TREAT SMOKE ABATEMENT EQUIPMENT ANNUNCIATION PANEL. COORDINATE EXACT LOCATION WITH OWNER.

ADD ALTERNATE:

1. FURNISH SEPARATE PRICING FOR EACH ADD ALTERNATE INDICATED ON THE DRAWINGS. THIS PRICE TO TO INCLUDE DEMOLITION WORK, NEW EQUIPMENT, DUCTWORK, ROOF CURBS, ETC. CONTAINED WITHIN THE OUTLINED AREAS.

1 MECHANICAL – FLOOR PLAN, SECTOR B
1/8" = 1'-0"

Consulting Engineers
Energy Engineering Associates, Inc.
6615 Vaught Ranch Rd
Austin, Texas 78730
(512) 744-4400
EEA Project # 2060075

DWG. NO.	REFERENCE DRAWING

BY	MONTH	YEAR	NO	REVISION RECORD	DR.	CK.	ZONE
12	06	06	00	ISSUED FOR CONSTRUCTION	EEA	EEA	

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ALCOA FASTENING SYSTEMS
WACO OPERATIONS

HEAT TREAT
SMOKE ABATEMENT PACKAGE
MECHANICAL NEW WORK FLOORPLAN
SECTOR B

DRAWN BY	BLDG/AREA	CLASS	DISCIPLINE	DESIGNED BY
LAMBERT HAVELKA	XXX	XXX	XXX	EEA
SCALE: AS NOTED				DRAWN BY: EEA
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