

0-90 CFM	600 FPM	.08 LOSS PER 100FT	6" DIAMETER
90-200 CFM	600 FPM	.08 LOSS PER 100FT	8" DIAMETER
200-375 CFM	700 FPM	.08 LOSS PER 100FT	10" DIAMETER
375-600 CFM	800 FPM	.08 LOSS PER 100FT	12" DIAMETER
600-900 CFM	875 FPM	.08 LOSS PER 100FT	14" DIAMETER
900-1200 CFM	900 FPM	.08 LOSS PER 100FT	16" DIAMETER
1200-1600 CFM	900 FPM	.08 LOSS PER 100FT	18" DIAMETER
1600-2000 CFM	900 FPM	.08 LOSS PER 100FT	20" DIAMETER
2000-2400 CFM	900 FPM	.08 LOSS PER 100FT	22" DIAMETER

- NOTES:
1. ALL ELBOWS TO BE SMOOTH RADIUS.
2. ALL FITTINGS TO BE OF INDUSTRY STANDARD TYPE WITH COEFFICIENTS PUBLISHED IN MANUAL Q.

1 DUCT SIZING REQUIREMENTS

PER CHAPTER 6 C.M.C.

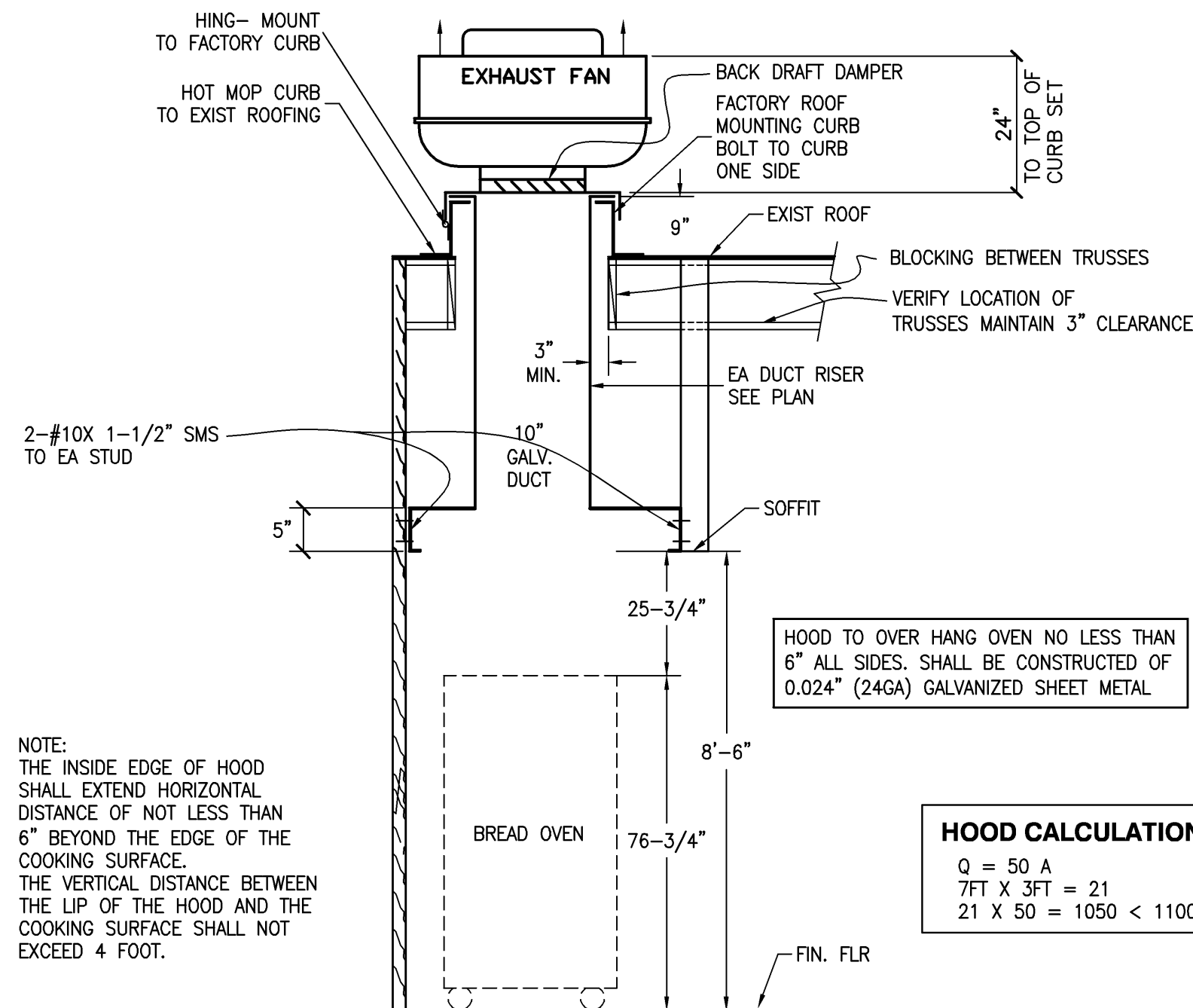
MAKE UP AIR CALCS. AIR BALANCE

EF-1 = -1100 CFM
OSA = +1100 CFM
TOTAL = 0 NUETRAL AIR BALANCE

EQUIPMENT SERVICED BY HOOD

TURBO CHEF RAPID COOK OVEN

NU-VU BREAD OVEN/PROOFER

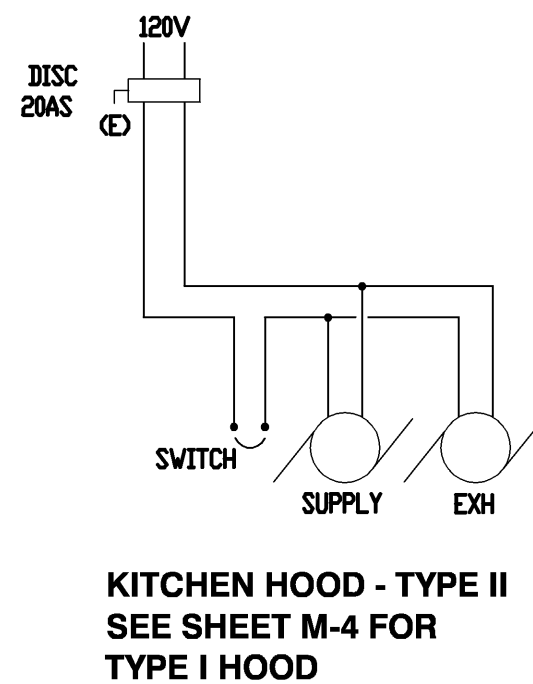
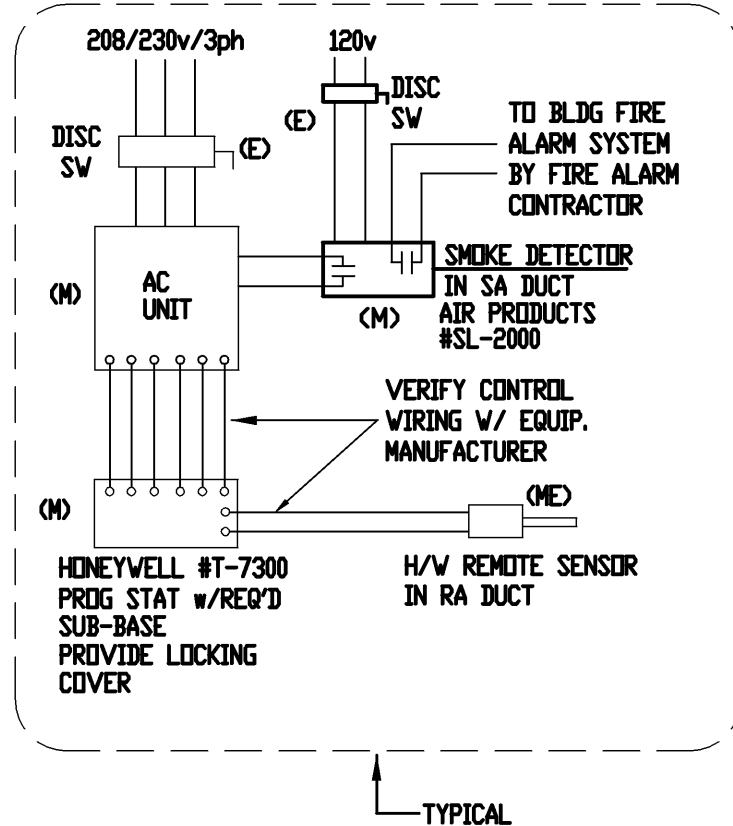
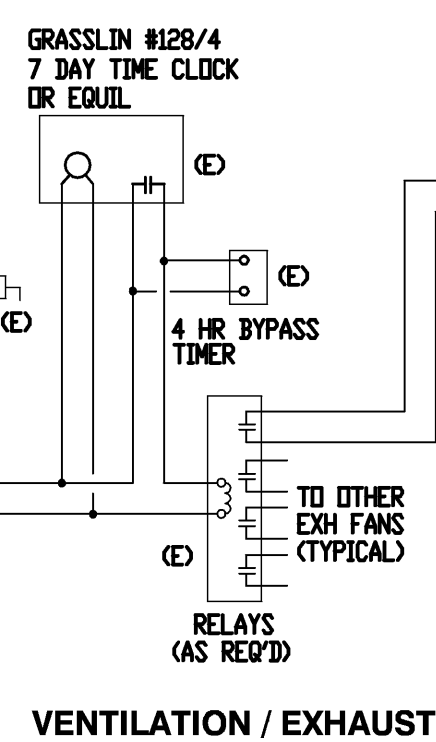


2 KITCHEN HOOD - TYPE II

N.T.S.
HOOD AT QSR-2 SIMILAR EXCEPT HOOD IS 24" FROM TOP OF OVEN

- NOTE
1. SUPPLY AIR FAN TO BE WIRED TO RUN CONTINUOUS DURING OCCUPIED HOURS
2. INTERLOCK RELATED EXHAUST FAN TO RUN AT THE SAME TIME AS THE UNIT SUPPLY FAN
3. ALL CONTROL WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE DISC SV FURNISHED & INSTALLED BY MECHANICAL CONTRACTOR
4. ALL POWER WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE DISC SV FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR

LEGEND
E FURNISHED, INSTALLED, & WIRED BY ELECTRICAL CONTRACTOR
M FURNISHED, INSTALLED, & WIRED BY MECHANICAL CONTRACTOR
ME FURNISHED & INSTALLED BY MECHANICAL & WIRED BY ELECTRICAL



KITCHEN HOOD - TYPE II
SEE SHEET M-4 FOR TYPE I HOOD

3 CONTROL DIAGRAMS - TYP.

REGISTERS TO BE ANEMOSTAT OR EQUAL
SUPPLY HARD SURFACE-#RMD-FP
SUPPLY SIDE WALL-#S2H0
RETURN/EXHAUST HARD SURFACE-#GC50L
RETURN/EXHAUST HARD SURFACE-#GC50
RETURN/EXHAUST SIDE WALL-#S3H0D
LINEAR DIFFUSER #ALD-4

1. SEE PLAN FOR THROW AND SIZES.
2. COORDINATE REGISTER LOCATIONS w/LIGHTING AND ALL OTHER TRADES.
3. ALL REGISTERS TO HAVE OBD's.

REGISTER LEGEND

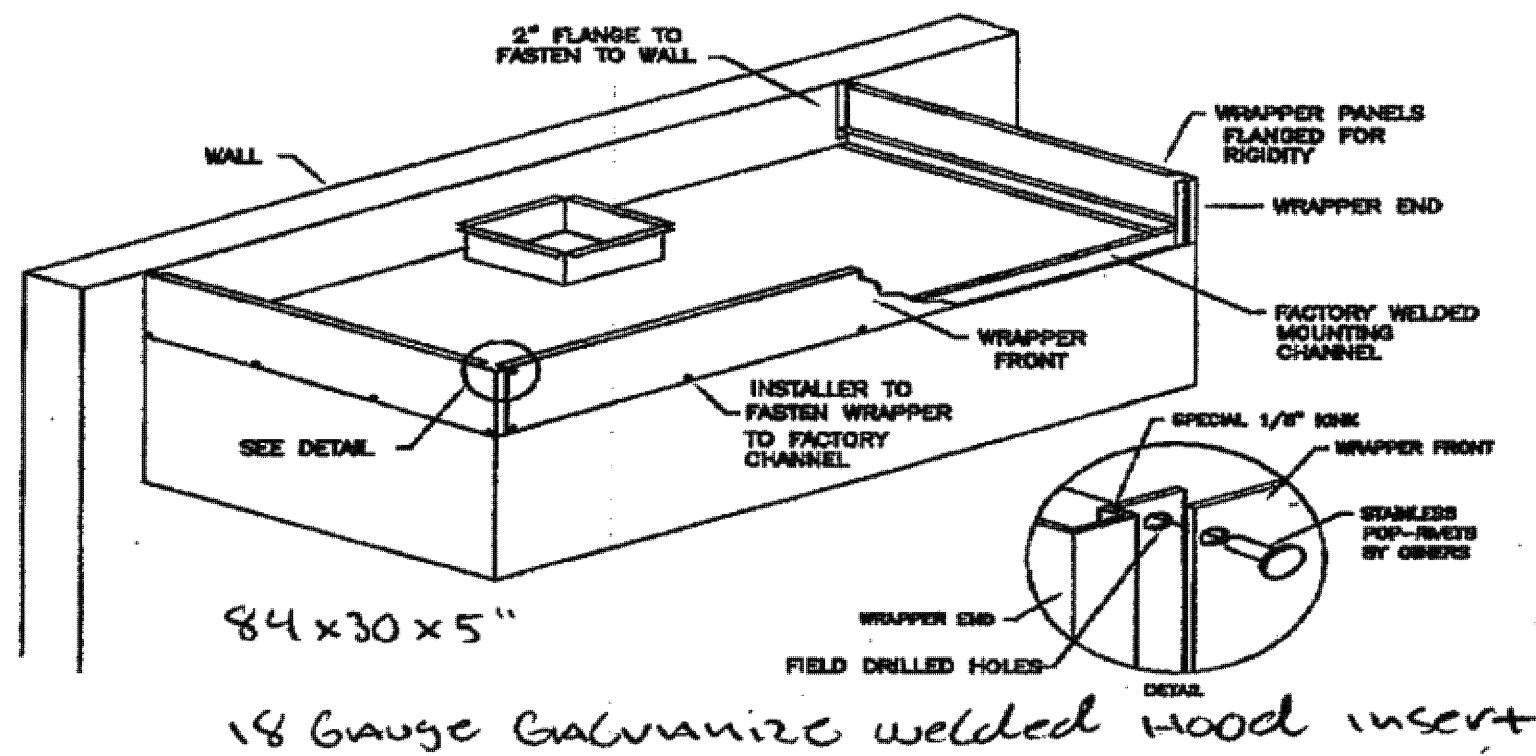
SIZE CFM SAD - SUPPLY AIR DIFFUSER

SIZE CFM RAG - RETURN AIR REGISTER

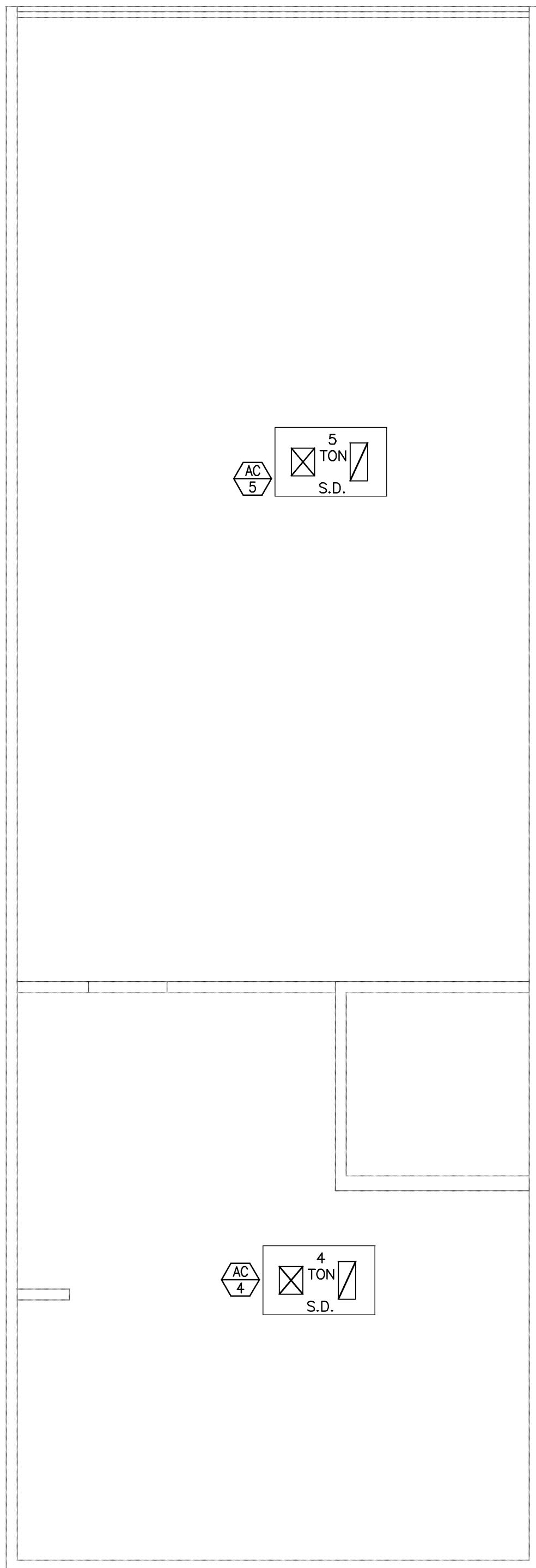
SIZE CFM EAG - EXHAUST AIR REGISTER

MECHANICAL NOTES

1. ALL GRILLES TO BE ANEMOSTAT RMD-FP GC50L
2. ALL DUCT WORK TO BE METAL
3. SEAL ALL JOINTS W/ HIGH PRESSURE DUCT SEALANT
4. INSULATE ALL DUCT WORK W/ 2" FOIL FACE FIBERGLAS
5. ALL HAND SINKS TO HAVE TEMPRING VALVE SET @ 110°F



TYPE II HOOD DETAIL



MECHANICAL ROOF PLAN

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

- AC 4 EXISTING NOM 4 TON - CARRIER #48HJ0005 SINGLE-PACKAGE ROOFTOP UNIT
ELECTRIC COOLING & GAS HEATING - 1600 CFM @ .6" ESP - BELT
DRIVE - 72,000 BTUH INPUT & 57,100 BTUH OUTPUT - 22.0 FLA
@ 208/230v/3ph - 800 LBS
AC 5 EXISTING NOM 5 TON - CARRIER #48HJ0006 SINGLE-PACKAGE ROOFTOP UNIT
ELECTRIC COOLING & GAS HEATING - 2000 CFM @ .6" ESP - BELT
DRIVE - 72,000 BTUH INPUT & 57,100 BTUH OUTPUT - 28.0 FLA
@ 208/230v/3ph - 800 LBS
EF 1 7X3 CLASS II HOOD - LOW TEMP. HOOD AS PER 2007 CMC 508.4.1.5

NOTE:
ELECTRICAL INTERLOCK BETWEEN MAKE UP AIR AND EXHAUST SHALL BE PROVIDED.

HOOD WILL BE LOCATED INSIDE SOFFIT FRAME. SEE OVEN ARCH SOFFIT DETAIL ON SHEET 2 OF 4. HOOD IS NOT VISIBLE FROM FRONT VIEW.

PROVIDE SMOKE DETECTORS IN MAIN SUPPLY AIR DUCTS OF AIR MOVING SYSTEMS EXCEEDING 2000 CFM PER SECTION 609.0 CMC.

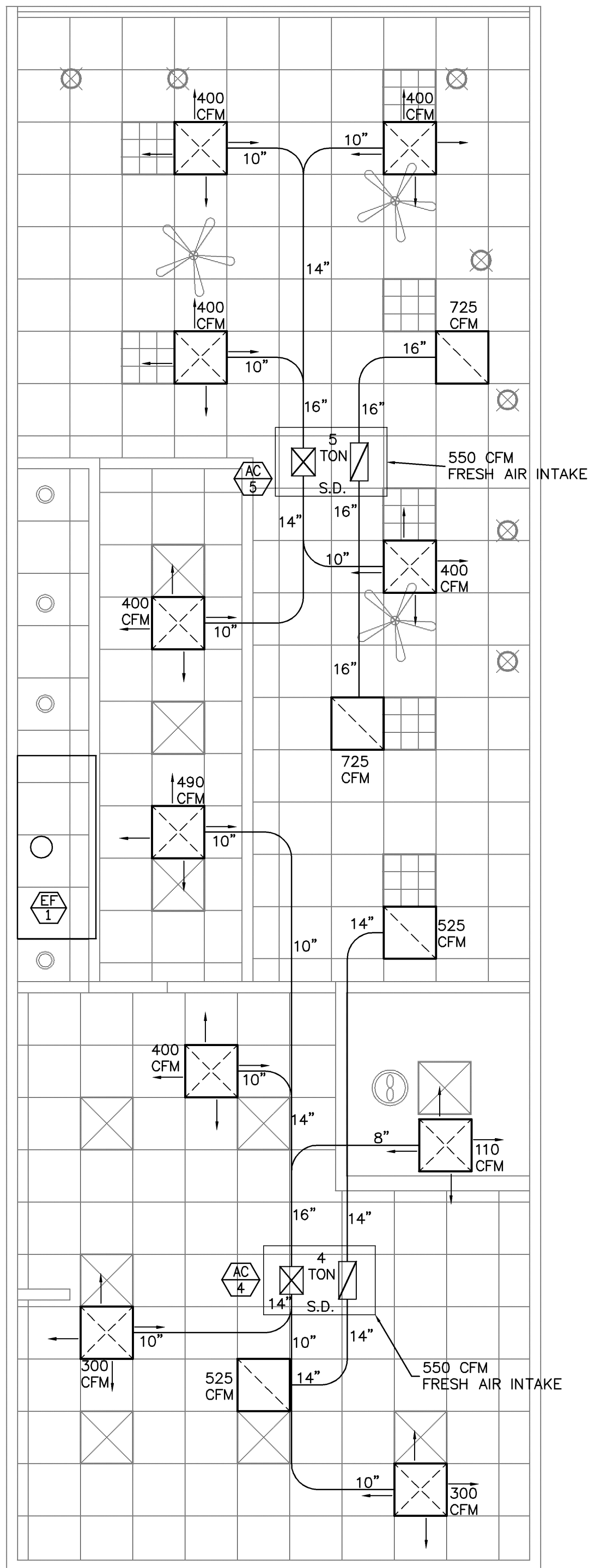
AS PER CMC SECTION 504.5 EXHAUST OUTLET OF KITCHEN HOOD AND HVAC UNIT WILL BE A MINIMUM OF 10 FEET FROM ANY AIR INTAKE

TYPE II HOOD SHALL BE MADE UP OF 18 GAGE GALVANIZED METAL.

TYPE II HOOD DUCTING SHALL BE MADE UP OF 24 GAGE GALVANIZED METAL.

ALL INTAKE POINTS TO BE 10 FT CLEARANCE FROM ALL OTHER VENTS/

EXISTING HVAC TO BE REPLACED ON EXISTING ROOF CURB.



MECHANICAL PLAN

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

P.E.
INCORPORATED
PASQUINI
ENGINEERING

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Bakersfield, Ca. 93304
Telephone: (661)-328-9600
Fax: (661)-328-9030

NO.	DATE

SUBWAY
STORE 50755
2411 E. VALLEY PARKWAY
ESCONDIDO, CA 92027

THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS A "WET STAMP & SIGNATURE" FROM BOTH THE ENGINEER OF RECORD AND A APPROVAL STAMP WITH A "WET STAMP & SIGNATURE" FROM THE LOCAL GOVERNING AGENCY ARE PRESENT.

DWG. BY	J.P.
CHK'D BY	
DATE	10/4/10
JOB NO.	6234
FILE NO.	623422

EXP. 12/31/10

SHEET

M-2

PRINTED: 11/8/2010