

SCOPE OF WORK

- 1) REPLACE EXISTING 4 TON HVAC UNIT WITH NEW YORK 4 TON HVAC.
- 2) REPLACE ANY BAD FLEX DUCTING ABOVE T-BAR CEILING IF REQUIRED.
- 3) INSTALL 7 FOOT GALVANIZED CLASS II KITCHEN HOOD.

MAKE UP AIR CALCS. AIR BALANCE

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

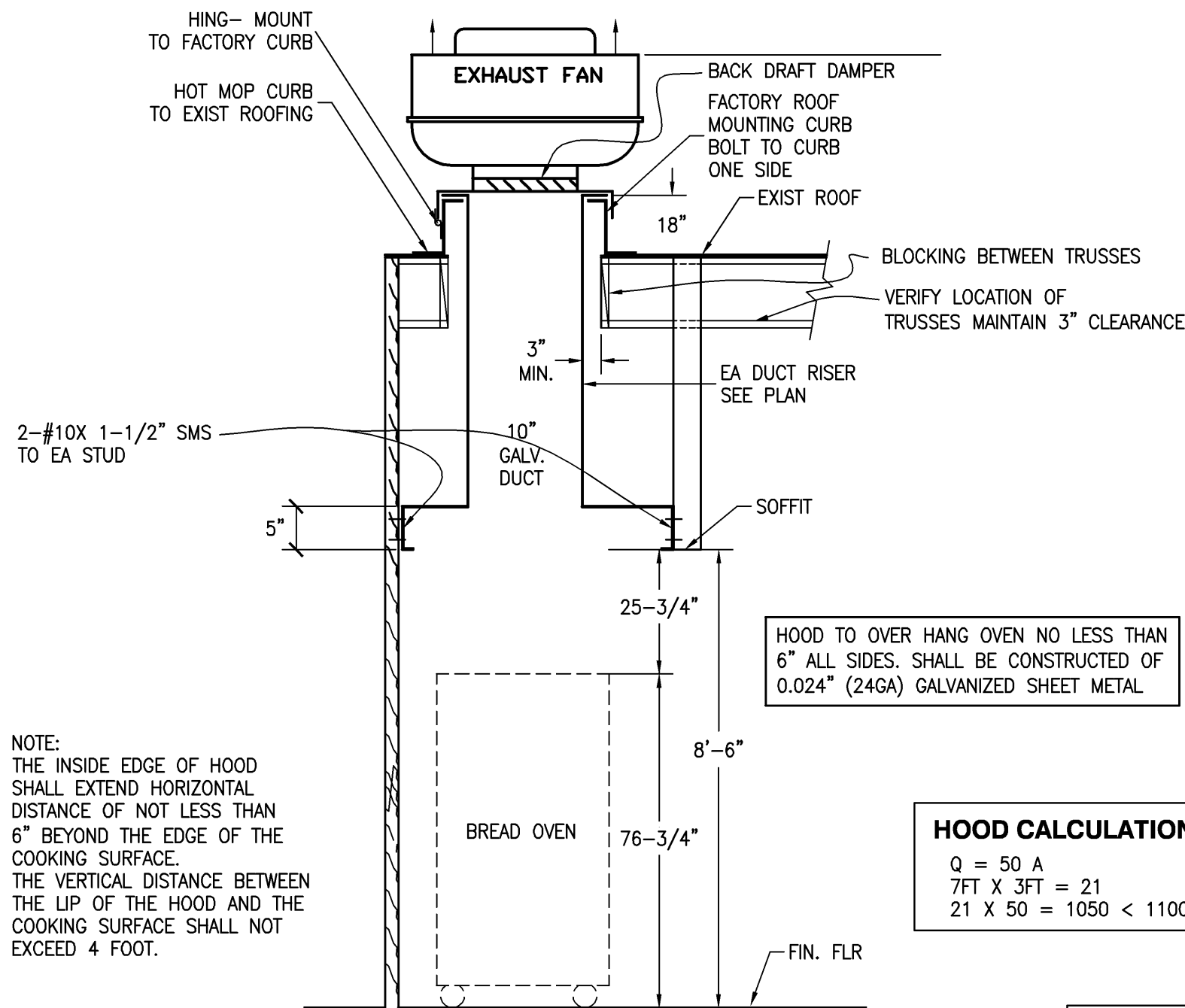
0-90 CFM	600 FPM	.08 LOSS PER 100FT	6" DIAMETER
90-200 CFM	600 FPM	.08 LOSS PER 100FT	8" DIAMETER
200-375 CFM	700 FPM	.08 LOSS PER 100FT	10" DIAMETER
375-600 CFM	800 FPM	.08 LOSS PER 100FT	12" DIAMETER
600-900 CFM	875 FPM	.08 LOSS PER 100FT	14" DIAMETER
900-1200 CFM	900 FPM	.08 LOSS PER 100FT	16" DIAMETER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



NOTE:
THE INSIDE EDGE OF HOOD SHALL EXTEND HORIZONTAL DISTANCE OF NOT LESS THAN 6" BEYOND THE EDGE OF THE COOKING SURFACE.
THE VERTICAL DISTANCE BETWEEN THE LIP OF THE HOOD AND THE COOKING SURFACE SHALL NOT EXCEED 4 FOOT.

4 KITCHEN HOOD - TYPE II

HOOD AT QSR-2 SIMILAR EXCEPT HOOD IS 24" FROM TOP OF OVEN

N.T.S.

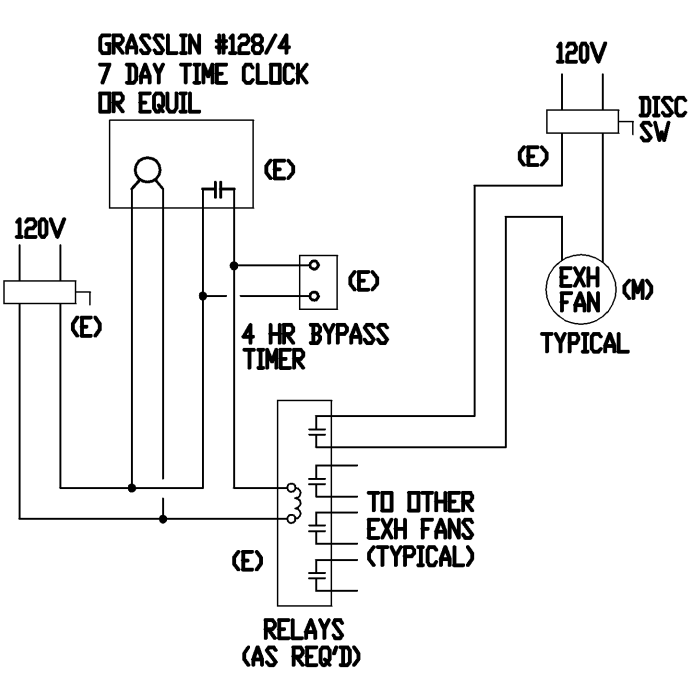
EQUIPMENT SERVICED BY HOOD

TURBO CHEF RAPID COOK OVEN
NU-VU BREAD OVEN/PROOFER

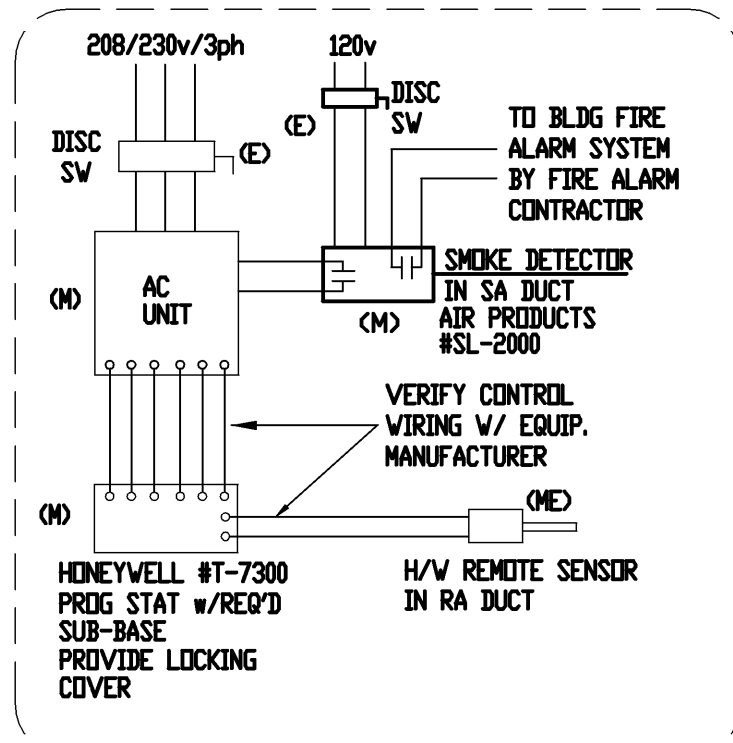
- NOTE
1. SUPPLY AIR FAN TO BE WIRED TO RUN CONTINUOUS DURING OCCUPIED HOURS
 2. INTERLOCK RELATED EXHAUST FAN TO RUN AT THE SAME TIME AS THE UNIT SUPPLY FAN
 3. ALL CONTROL WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE DISC SV FURNISHED & INSTALLED BY MECHANICAL CONTRACTOR
 4. ALL POWER WIRING & CONDUIT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



VENTILATION / EXHAUST

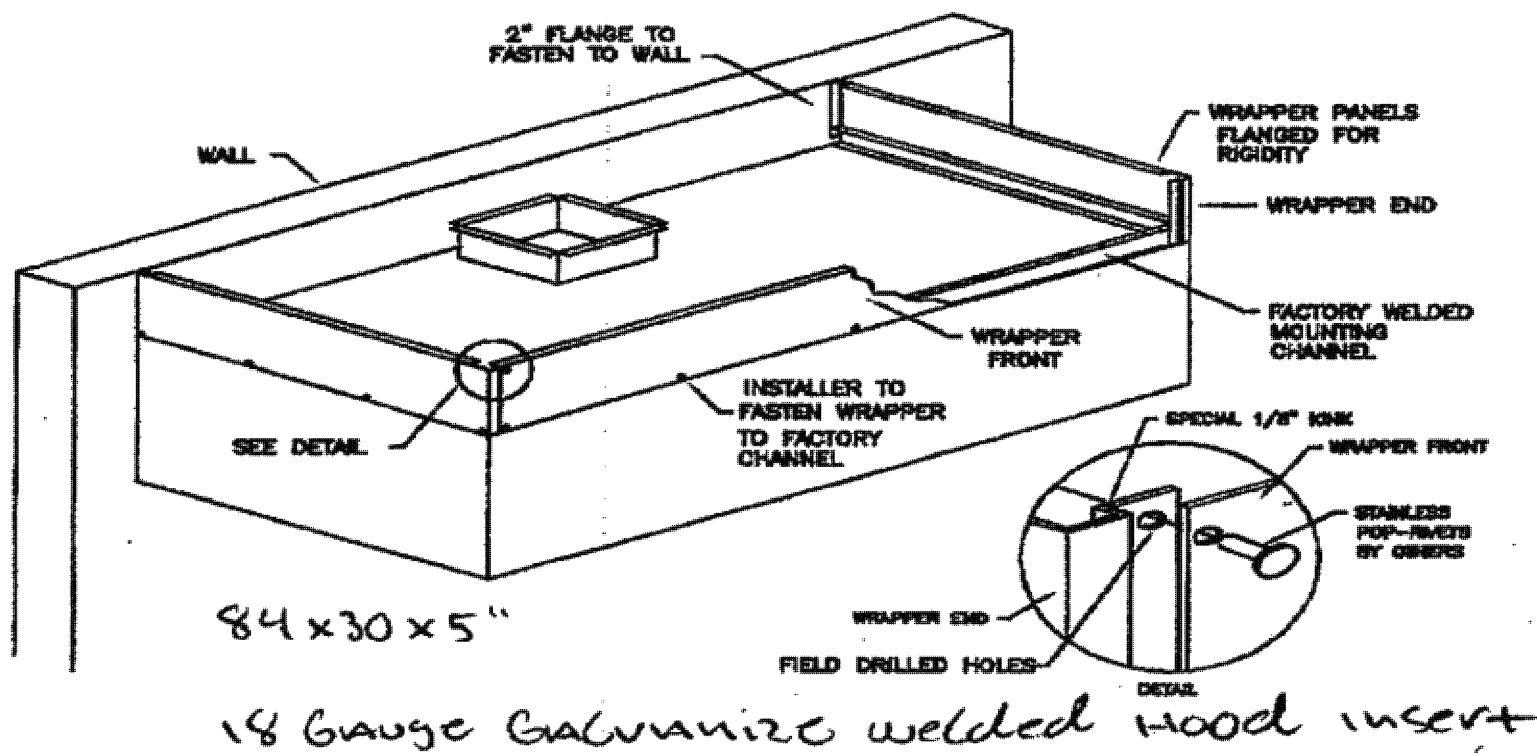


TYPICAL

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

N.T.S.

3 CONTROL DIAGRAMS - TYP.



TYPE II HOOD DETAIL

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.

ROOF ACCESS LADDER SHALL COMPLY WITH SECTION 904.10 CMC

ALL PIPING AND DUCT WORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTIONS 118, 123, 124 TITLE 24 ENERGY STANDARDS AND TABLE 6-6A AND 6-6B OF CMC.

ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTION 112 AND 122 E.E.S.

ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS PER SECTION 111-113, 115, 120-124 TITLE 24 ENERGY STANDARDS.

REGISTERS TO BE ANEMOSTAT OR EQUAL
SUPPLY T'BAR CEILING-#RMD-FP
SUPPLY HARD SURFACE-#RMD-S
SUPPLY SIDE WALL-#S2HO
RETURN/EXHAUST T'BAR CEILING-#GC50L
RETURN/EXHAUST HARD SURFACE-#GC50
RETURN/EXHAUST SIDE WALL-#S3HOD
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 @ 110F

AC 4

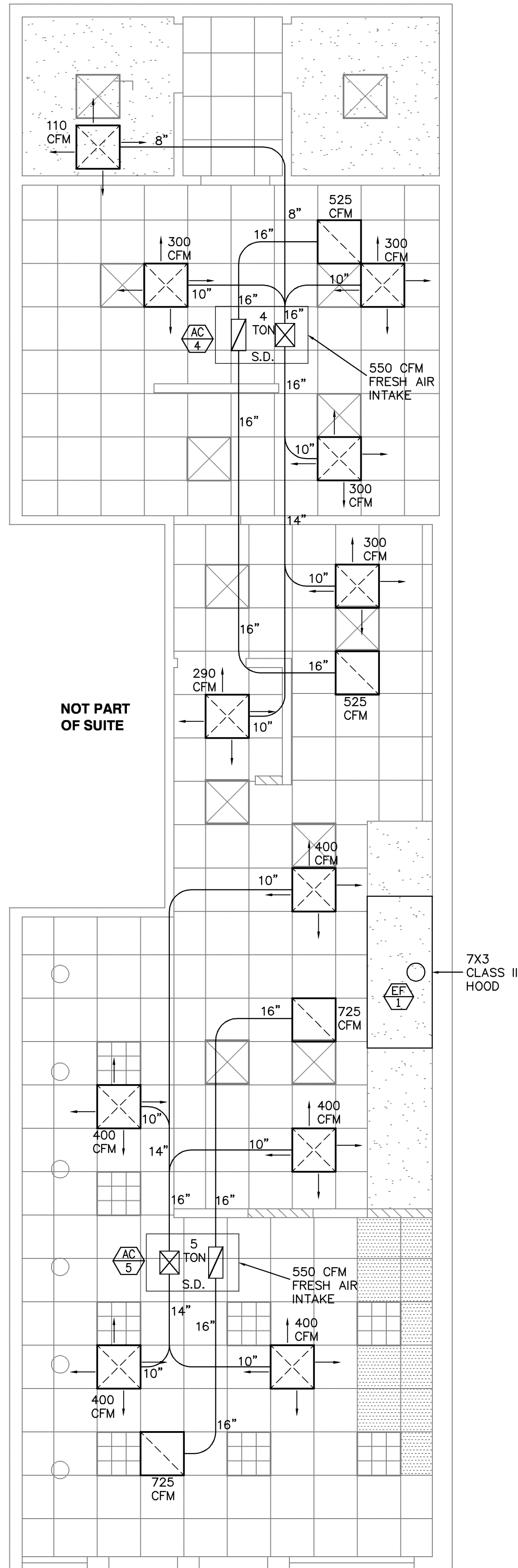
EXISTING NOM 4 TON - CARRIER #48HJ005 SINGLE-PACKAGE ROOFTOP UNIT
ELECTRIC COOLING & GAS HEATING - 1600 CFM @ .6" ESP - BELT
DRIVE - 72,000 BTUH INPUT & 57,100 BTUH OUTPUT - 22.0 FLA
@ 208/230v/3ph - 800 LBS

AC 5

EXISTING NOM 5 TON - CARRIER #48HJ006 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



NOT PART OF SUITE

7X3 CLASS II HOOD

MECHANICAL PLAN

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

P.E.
INCORPORATED
PASQUINI
ENGINEERING

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Fax: (661)-328-9030

NO.	DATE

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STORE 2502
950 FIFTH AVE.
SAN DIEGO, CA 92101

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	8/11/2010
JOB NO.	6196
FILE NO.	619622

EXP. 12/31/10

SHEET
M-2

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