

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.

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

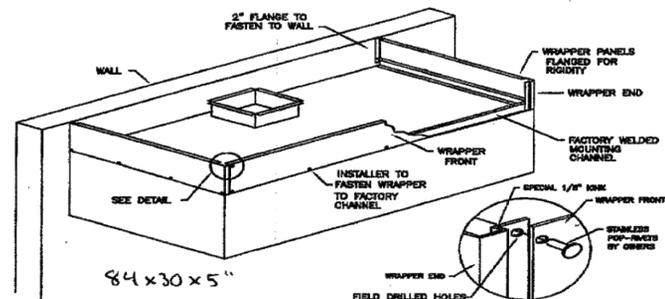
1. SEE PLAN FOR THROW AND SIZES.
 2. COORDINATE REGISTER LOCATIONS w/LIGHTING AND ALL OTHER TRADES.
 3. ALL REGISTERS TO HAVE OBD's.

REGISTER LEGEND

- SIZE CFM [Symbol] SAD - SUPPLY AIR DIFFUSER
 SIZE CFM [Symbol] RAG - RETURN AIR REGISTER
 SIZE CFM [Symbol] 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



84x30x5"

18 Gauge Galvanize welded hood insert

TYPE II HOOD DETAIL

- 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
- K/H 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

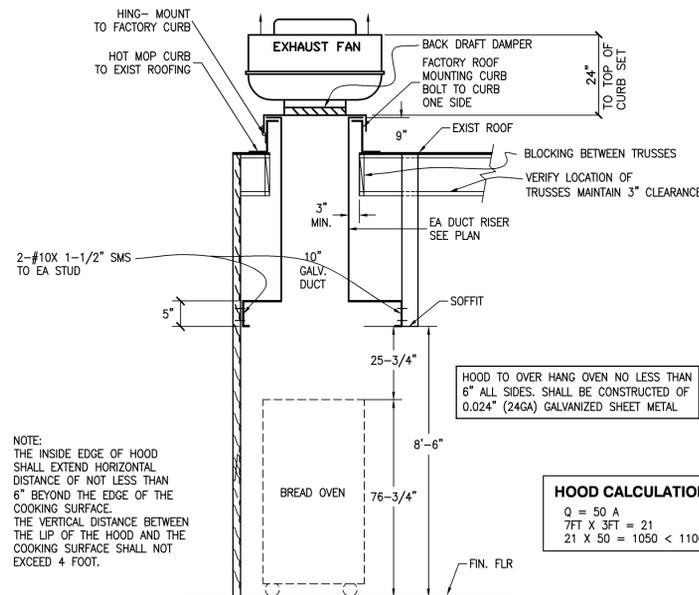
ALL INTAKE POINTS TO BE 10 FT CLEARANCE FROM ALL OTHER VENTS/

EXISTING HVAC TO BE REPLACED ON EXISTING ROOF CURB.

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



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.

HOOD TO OVER HANG OVEN NO LESS THAN 6" ALL SIDES. SHALL BE CONSTRUCTED OF 0.024" (24GA) GALVANIZED SHEET METAL

HOOD CALCULATIONS

Q = 50 A
 7FT X 3FT = 21
 21 X 50 = 1050 < 1100 CFM

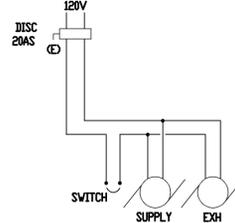
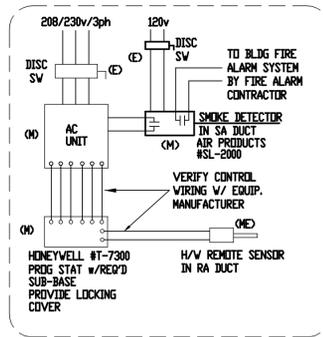
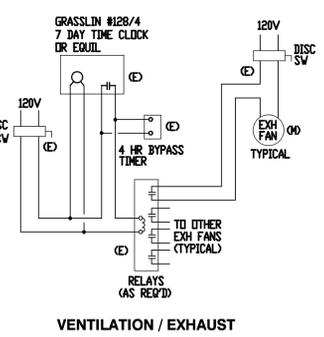
2 KITCHEN HOOD - TYPE II

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

N.T.S.

- NOTE
 1. SUPPLY AIR FAN TO BE WIRED TO RUN CONTINUOUS DURING OCCUPY 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 SW FURNISHED & INSTALLED BY MECHANICAL CONTRACTOR
 4. ALL POWER WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE 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

N.T.S.

MECHANICAL ROOF PLAN

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

MECHANICAL PLAN

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

3 CONTROL DIAGRAMS - TYP.

P.E. INCORPORATED PASQUINI ENGINEERING
 903 H Street Suite 300 Bakersfield, Ca. 93304
 Telephone: (661)-328-9600 Fax: (661)-328-9030

NO.	DATE

SUBWAY SUITE B
 8960 FLETCHER PKWY
 LA MESA, CA 91942

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	7/30/2010
JOB NO.	6190
FILE NO.	619022

EXP. 12/31/10

SHEET M-2