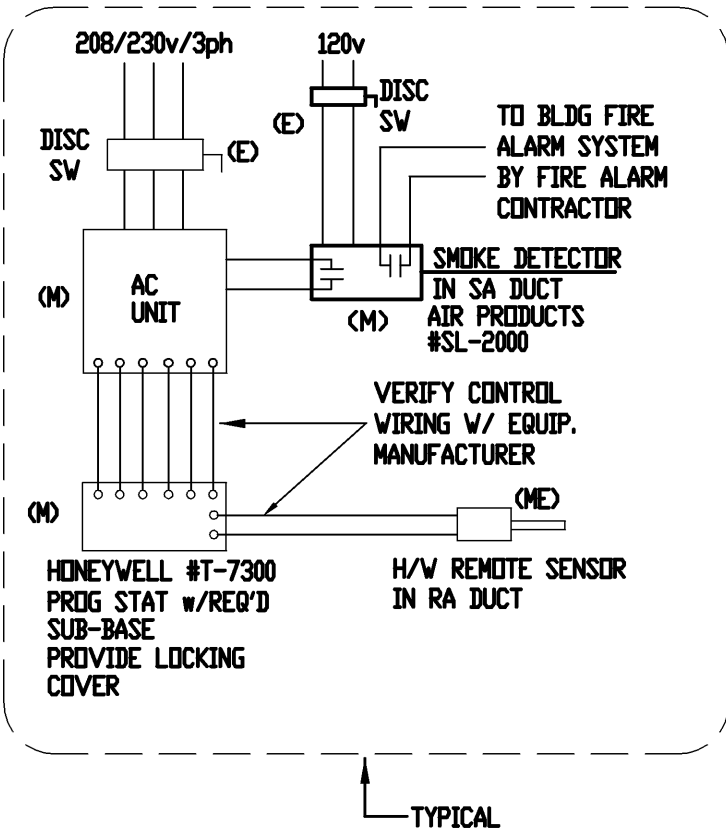
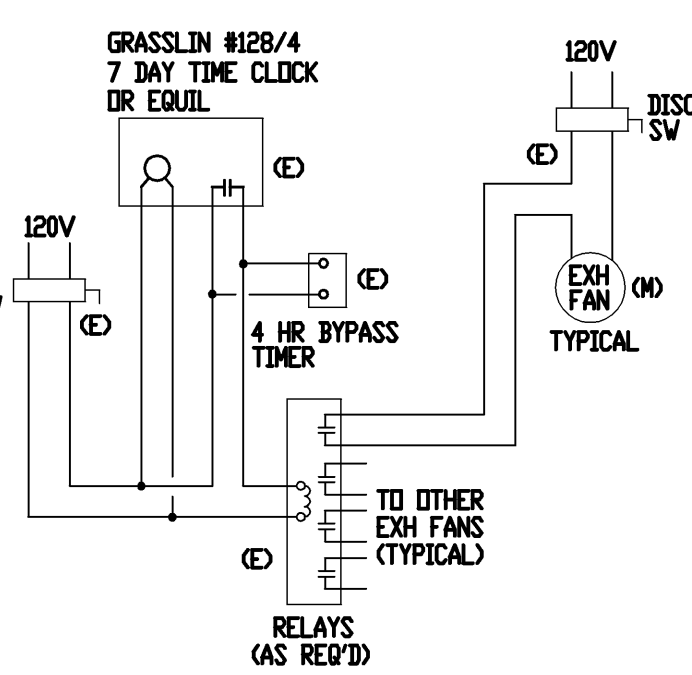


NOTE

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 FURNISHED & INSTALLED BY MECHANICAL CONTRACTOR
4. ALL POWER WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR

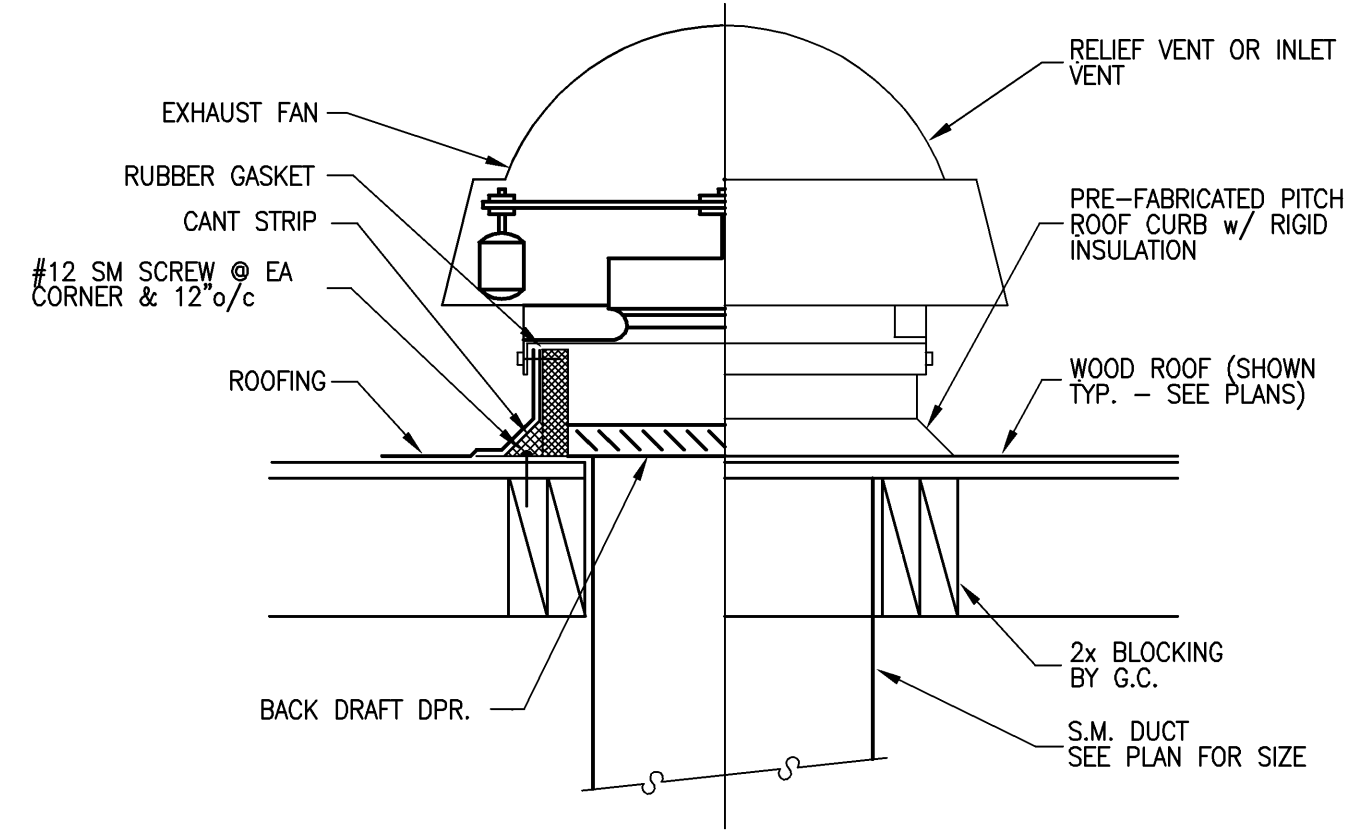
LEGEND

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



3 CONTROL DIAGRAMS - TYP.

N.T.S.



2 EXHAUST FAN MTG - TYP.

N.T.S.

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

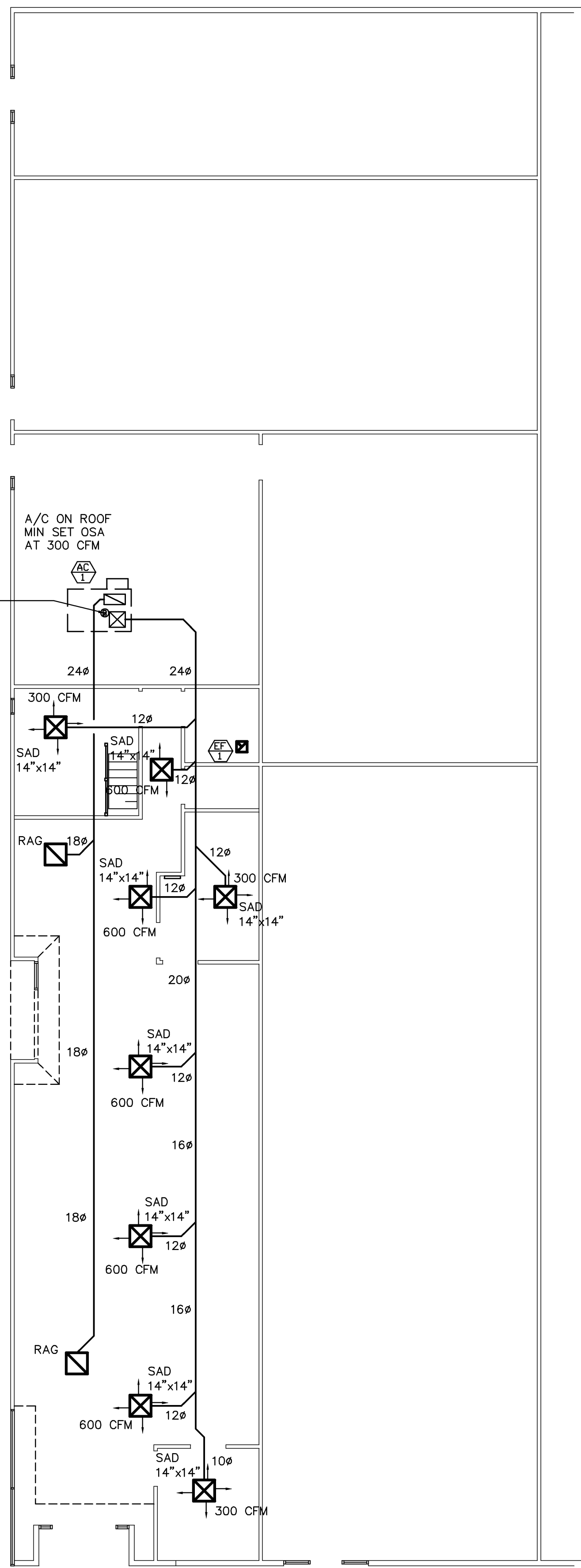
NOTES:

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.

DUCT MOUNTED SMOKE DETECTOR-  
DETECTOR MUST SHUT DOWN UNIT  
WHEN SMOKE IS SENSED - TYPICAL



MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

MECHANICAL SCHEDULE

ALL AC UNITS TO HAVE PROPANE KITS INSTALLED

EXISTING 7 1/2 TON AC UNIT

COOK GEMINI 200 CFM @ .7" ESP W/ BACKDRAFT DAMPER AND ROOF TERMINATION 120V, 1.1 AMPS

REGISTERS TO BE ANEMOSTAT OR EQUAL  
SUPPLY T'BAR CEILING-#RMD-FP  
SUPPLY HARD SURFACE-#RMD-S  
SUPPLY SIDE WALL-#SZHO  
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

SAD - SUPPLY AIR DIFFUSER

RAG - RETURN AIR REGISTER

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

NO.	DATE

SHAILESH PATEL  
TENANT IMPROVEMENT  
301 CENTRAL AVE.  
SHAFTER, CA.

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	F.M.
CHK'D BY	
DATE	05/24/2010
JOB NO.	6148
FILE NO.	6148

EXP. 12/31/10