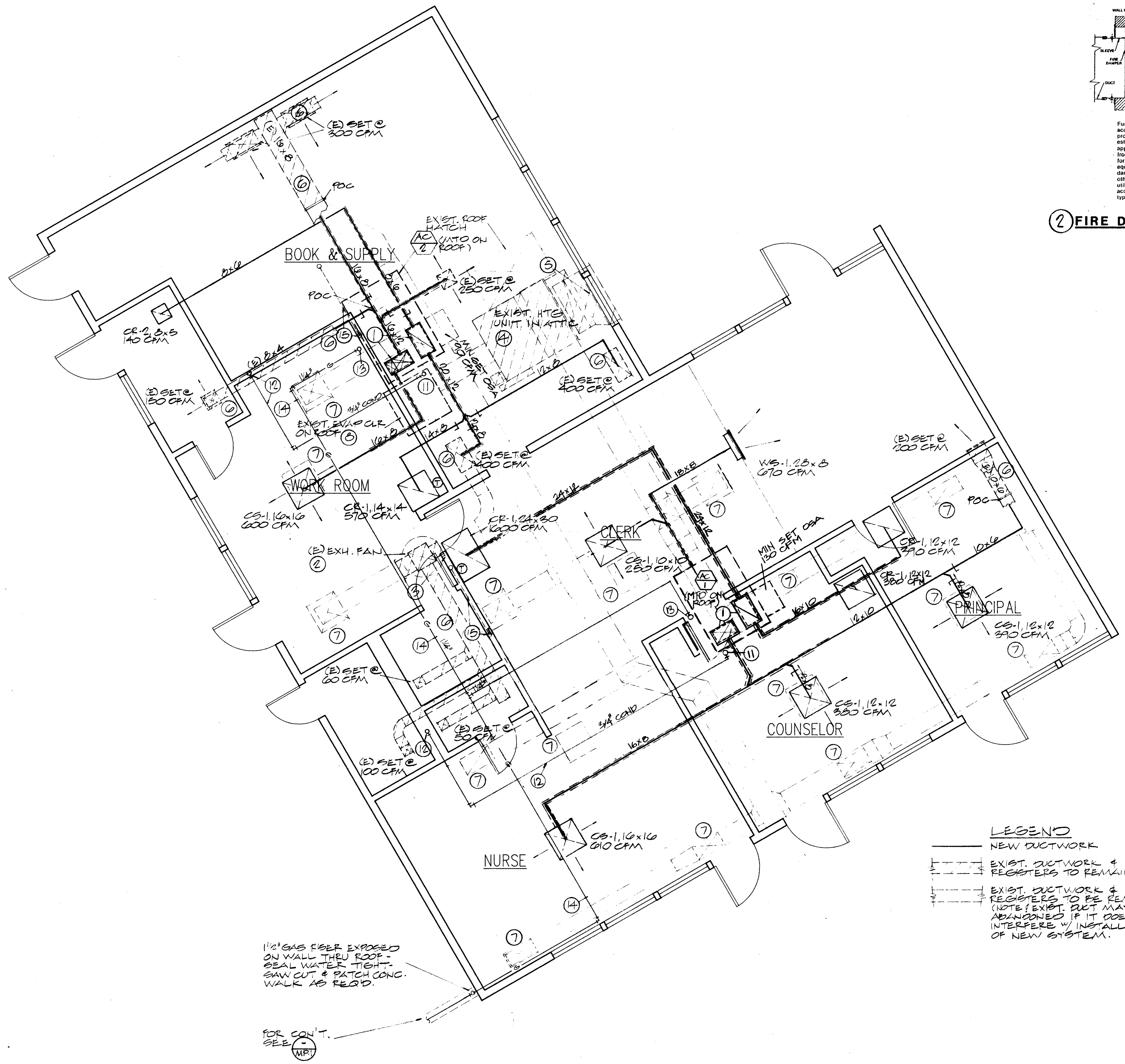
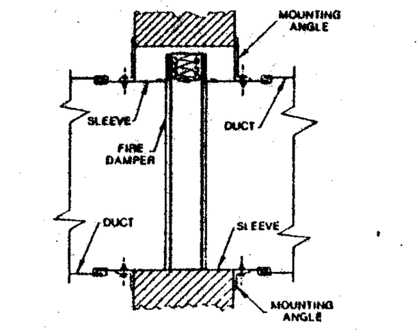


① ADMINISTRATION BUILDING MECHANICAL FLOOR PLAN

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



INSTALLATION REQUIREMENTS

Requirements for an approved installation include the following:

Openings in floor or wall shall be 1/8" per foot larger than damper dimensions (3/16" larger per foot for stainless). Minimum clearance of 1/4" required for any installation.

Sleeve gage shall be at least equal to the gage of the duct as defined by the appropriate SMACNA Duct Construction Standard, as described in NFPA90A, when one or more of the following Duct Sleeve Connections are used: Plain S Slip, Hemmed S Slip, Standing S Slip, Reinforced Standing S Slip, Inside Slip Joint, Double S Slip.

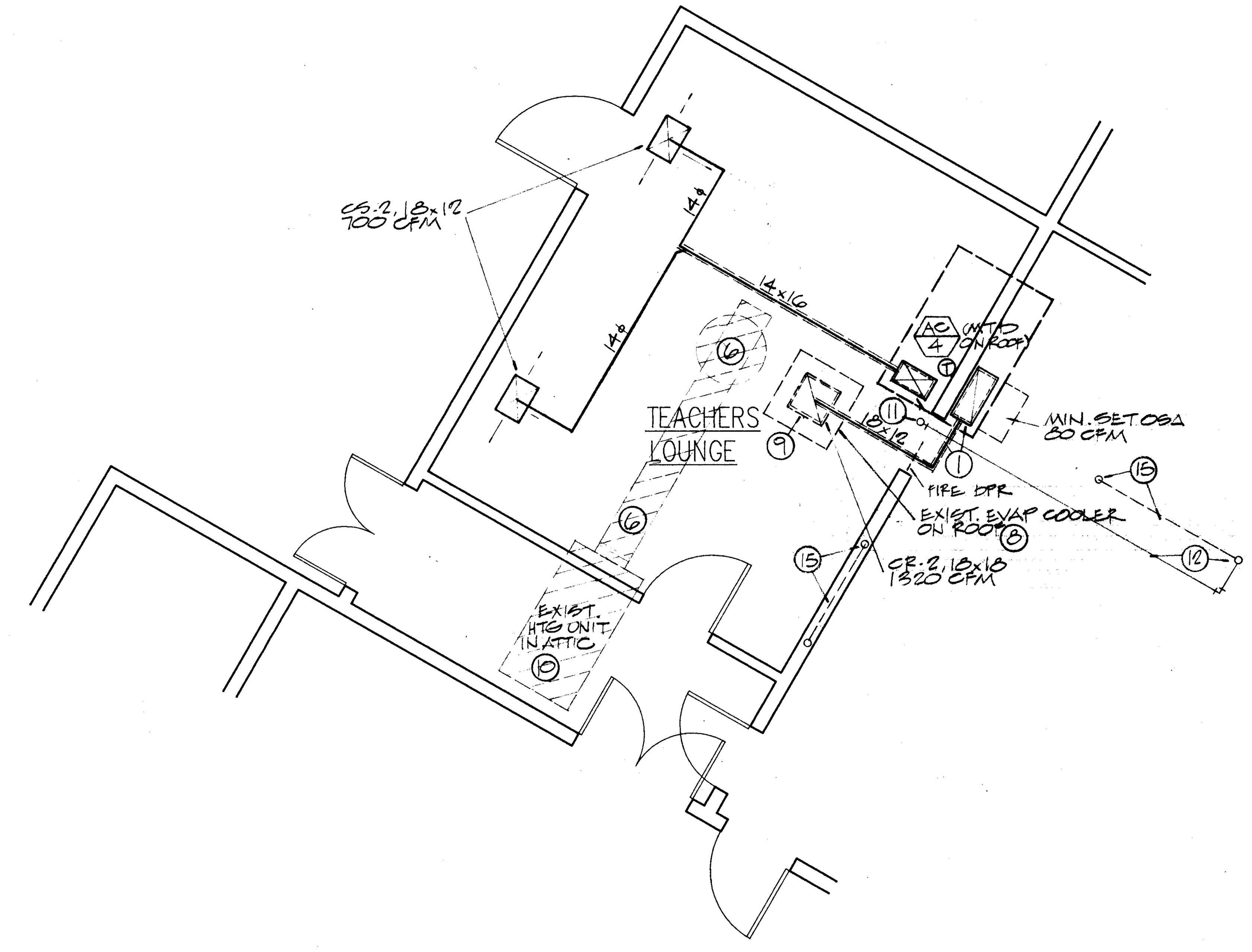
If any other Duct Sleeve Connections are used, the sleeve shall be minimum 16 gage for dampers up to 36"w x 24"h and 14 gage if width exceeds 36" or height exceeds 24".

Mounting angles shall be minimum of 1½" x 1½" x 14 gage and bolted, tack welded or screwed to sleeve at maximum spacing of 12" and with minimum of two connections in each side, top and bottom. Mounting angles shall overlap wall a minimum of one inch on all four sides.

Damper shall be bolted, tack welded or screwed to sleeve on same spacing as angles. Sleeves shall not extend more than 6" outside of wall.

Furnish and install, at locations shown on plans, fire dampers constructed and tested in accordance with UL Safety Standard 555. Each fire damper shall have a 1½ hour fire protection rating, 212°F fusible link, and shall include a UL label in accordance with established UL labeling procedures. Damper Manufacturer's literature submitted for approval prior to installation shall include comprehensive performance data developed from testing in accordance with AMCA Standard 500 and shall illustrate pressure drops for all sizes of dampers required at all anticipated air flow rates. Fire dampers shall be equipped for vertical or horizontal installation as required by the location shown. Fire dampers shall be installed in wall and floor openings utilizing steel sleeves, angles, other materials, and practices required to provide an installation equivalent to that utilized by the manufacturer when dampers were tested at UL. Installation shall be in accordance with the damper manufacturer's instructions. Fire dampers shall be Ruskin type IBD.

② FIRE DAMPER



② MULTI-PURPOSE BUILDING MECHANICAL FLOOR PLAN

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

KEY NOTES

1. 16 X 12 SA AND 26 X 12 RA CONNECTIONS AT UNIT (NOM. SIZES, VERIFY WITH MANUFACTURER) TRANSITION TO SIZES THAT FIT BETWEEN EXISTING RAFTERS AND SIZES SHOWN.
2. EXISTING ROOF MOUNTED EXHAUST FAN - CHANGE DRIVES AND SE TO 210 CFM.
3. CAP EXHAUST DUCT NOT USED.
4. ABANDON EXISTING HEATING UNIT IN ATTIC. PROPERLY DISCONNECT ELECTRICAL AND CAP HW PIPING. ABANDON EXISTING DUCTWORK. REMOVE ONLY IF REQUIRED TO INSTALL NEW DUCT AND REGISTERS.
5. SEAL OFF EXISTING LOUVER WITH S.M. PLATE.
6. EXISTING DUCTWORK AND REGISTER TO REMAIN.
7. REMOVE EXISTING REGISTER AND DUCTWORK. INSTALL 2' X 4' 'T' BAR CEILING TILE IN LOCATION OF REMOVED REGISTER. MATCH EXISTING TILE PATTERN AND COLOR. FIELD VERIFY.
8. EXISTING EVAPORATIVE COOLER TO BE REMOVED. CAP ROOF JACK WATER TIGHT. CAP CW LINE. RETURN TO OWNER.
9. REMOVE EXISTING EVAPORATIVE COOLER DROP BOX REGISTER. INSTALL NEW REGISTER AS SHOWN. MODIFY DUCT AS REQUIRED.
10. EXISTING HEATING UNIT IN ATTIC TO REMAIN IN OPERATION.
11. 3/4" CONDENSATE CONNECTION AT A.C. UNIT WITH TRAP.
12. 3/4" CONDENSATE DRAIN EXPOSED ON ROOF. CONNECT TO EXISTING PLUMBING VENT. FIELD VERIFY. SEE PIPE SUPPORT DETAIL.
13. 1 1/4" GAS CONNECTION TO A.C. UNIT WITH GAS COCK.
14. GAS LINE EXPOSED ON ROOF. SEE PIPE SUPPORT DETAIL.
15. EXISTING PLUMBING VENT THRU ROOF. OFF-SET ON ROOF 10 FEET AWAY FROM AIR CONDITIONING OSA INTAKE. FIELD VERIFY LOCATION AND SIZE.

NO.	REVISION	DATE	BY

APPROVED FIRE AND PANIC ONLY
APR 4 1991
STATE FIRE MARSHAL SOUTHERN REGION

FIRE MARSHAL

TITLE 24 & 1988 UBC

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
APR 4 1991
Structural Safety Section
A 55660
Checked By J.P. /L.A.

O.S.A.

Glenn Hartzell A.I.A.
26 'H' STREET, 93304 (805) 324-6416
P.O. BOX 2344, 93303, BAKERSFIELD, CALIFORNIA
ARCHITECT C-10298 DATE

LICENSED ARCHITECT GLENN E. HARTZELL No. C-10298 OCT 31 1991 REN. DATE STATE OF CALIFORNIA

BAKERSFIELD CITY SCHOOL DISTRICT
BY RESOLUTION OF THE BOARD OF TRUSTEES APPROVED :
DATE

MECHANICAL FLOOR PLANS ~ LEGEND ~ NOTES
(AIR CONDITIONING)
HORT SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
2301 PARK DRIVE, BAKERSFIELD, CALIFORNIA

DATE 1-11-91
DRAWN GS

JOB NO. 142

SHEET NO. MP2

SHEET 2 OF 6