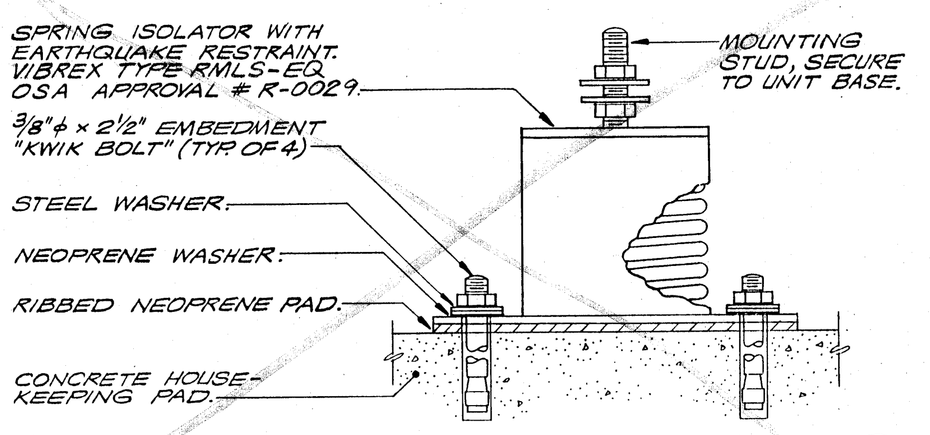


SPRING ISOLATOR

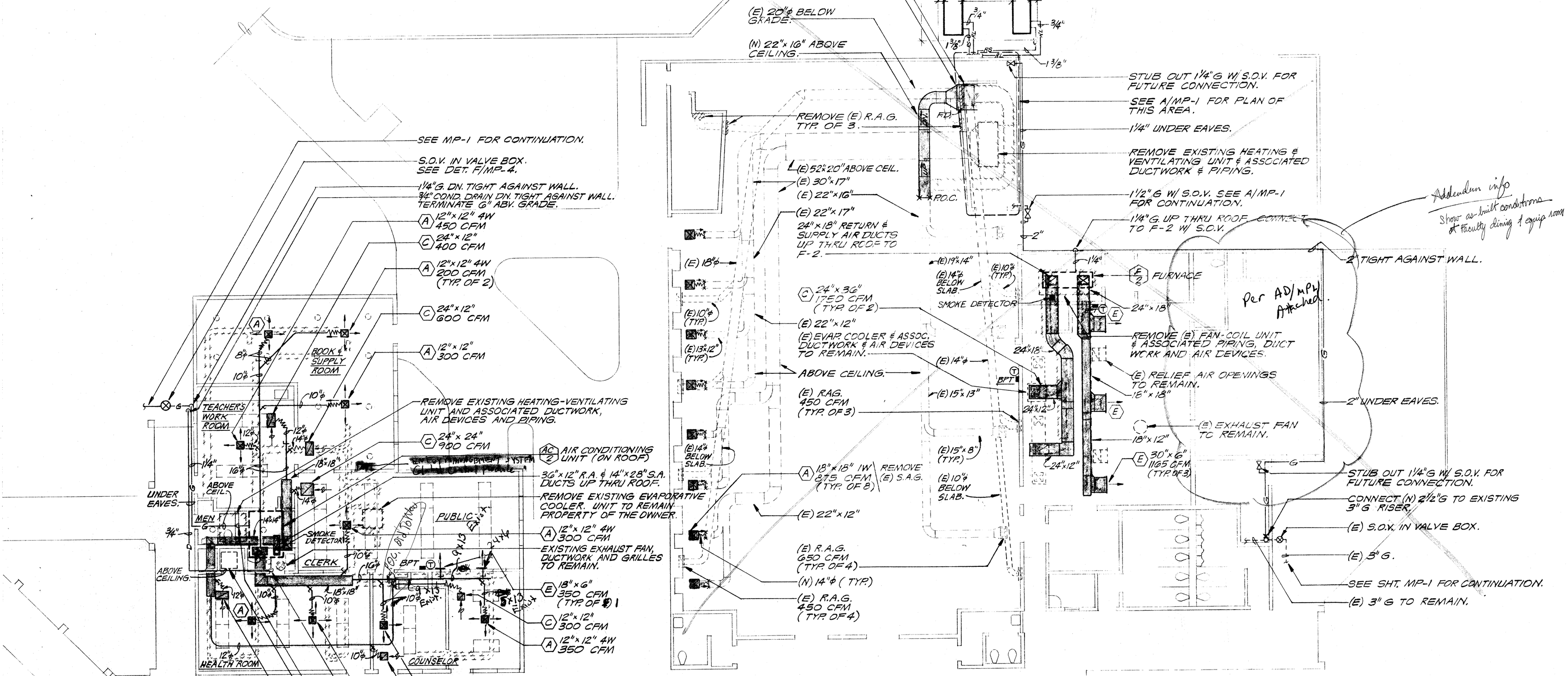
SCALE: NONE

A / MP-2

PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS (BOLTS MUST HAVE I.C.B.O. APPROVAL)

ALL CONCRETE ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) PROOF TESTED IN TENSION TO TWICE THE ALLOWABLE TENSION LOAD. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED.

TYPE OF MATERIALS	TYPE OF TEST	BOLT DIAMETER 3/8"	1/2"	5/8"	3/4"
HARD ROCK CONCRETE	DIRECT PULL-TENSION, LBS.	1300	2000	2900	4300
	TORQUE WRENCH-TORQUE, FT. LBS	25	50	110	150



NOTE: VERTICAL DUCTS WIDER THAN CLEAR OPENING BETWEEN JOISTS MAY BE SPLIT OR RESIZED TO AVOID CUTTING OF EXISTING JOISTS - TYPICAL

BUILDING B - MECHANICAL PLAN

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

NOTE:
ALL WORK IN BUILDING "B" TO BE INCLUDED IN BASE BID.

BUILDING A - MECHANICAL PLAN

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

NOTE:
ALL WORK IN BUILDING "A" TO BE BID AS ALTERNATE #1.

THESE DRAWINGS, RELATED SPECIFICATIONS, IDEAS, DESIGNS, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED, TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DETAILED SHOP DRAWINGS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH THE FABRICATION OF ANY PRODUCT TO BE INCLUDED IN THIS PROJECT.

Frank West Elementary School
HVAC
Bakersfield City School District

DATE	ISSUE FOR

DATE	REVISION

pa James E. Pechin associates architects aia
C-8366
1400 easton drive suite 138
bakersfield, ca 93309 (805)322-2021

SHEET MP2

Project Number 449-1289

Plot Date

TITLE 24 ENERGY COMPLIANCE
Department of
Office of

APPROVED FIRE AND LIFE SAFETY
MAR 5 1991

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