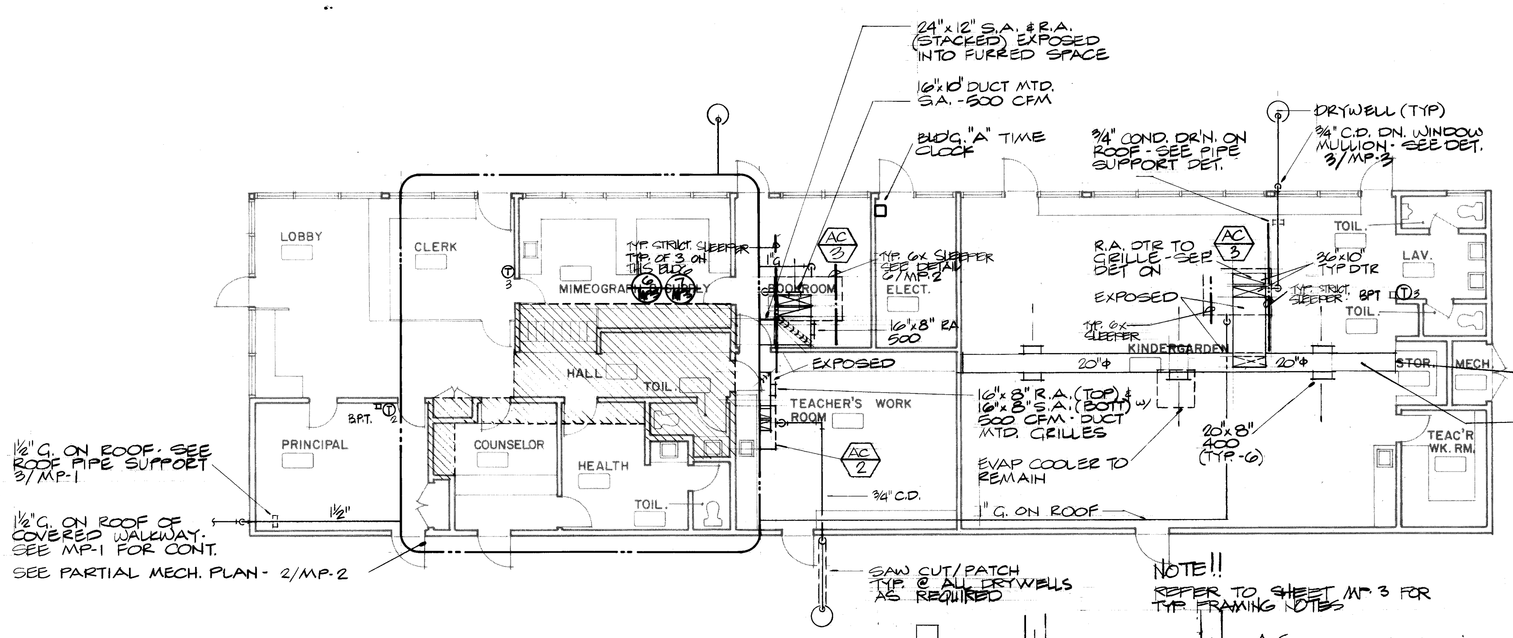
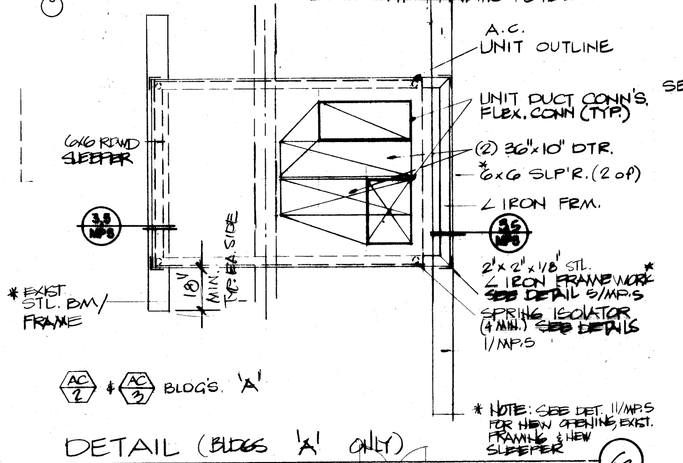


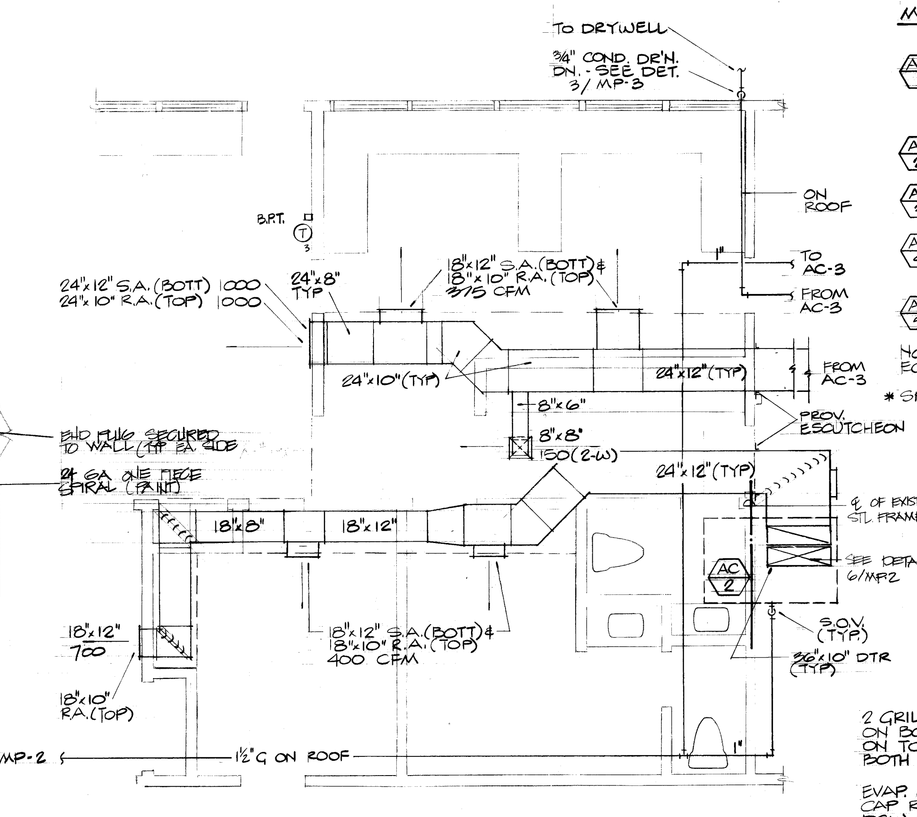
BUILDING A

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



DETAIL (BLDGS 'A' ONLY)

1/2" = 1'-0" (6)



PARTIAL H.V.A.C. & PLB'G. - BLD'G. "A"

SCALE: 1/4" = 1'-0" (2)

MECHANICAL EQUIPMENT

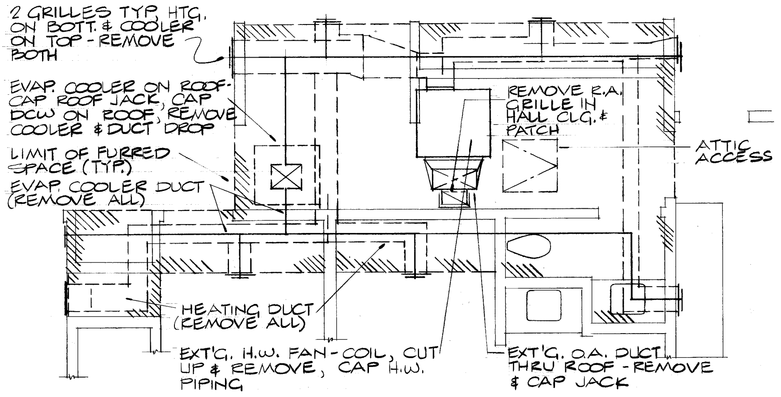
MARK	DESCRIPTION
AC 1	ROOFTOP A.C. HTG./COOLING PACKAGED UNIT "DAY & NIGHT" No. 5B0B0480174 (4 TON) 48MBH TOT/ 35.6 MBH SENS. COOLING CAPACITY @ 105°-67° BDP. 74 MBH GAS INPUT/ 58.4 MBH OUTPUT, 79% A.F.U.E., 8.5 E.E.R., 1600 CFM @ .45" S.P., 370 lbs., 25.3 M.C.A. @ 208V/ 230V - 3ø, "MEGA" # 33LFM-B CORNER SPRINGS,* INTERNAL FILTERS, MAN. O.A. DPR SET @ 225 CFM,
AC 2	SAME AS AC-1 EXCEPT: No. 5B0B0600174 (5 TON) 58.6 TOT/ 46.9 SENS., 2000 CFM, 390 lbs., 29.5 M.C.A.,
AC 3	SAME AS AC-1 EXC: No. 5B0B0720174 (6 TON) 71.2 TOT./ 56.1 SENS., 2400 CFM @ .3", 680 lbs., 36 M.C.A,
AC 4	SAME AS AC-1 EXC: No. 5B0A030040 (2.5 TON) 27.0 TOT./ 20.2 SEN'S., 1000 CFM @ .2" S.P., 470 lbs., 20.4 MCA & 208/230/1ø, 40 MBH GAS INPUT, 31 MBH OUT, EXTERNAL FILTERS,
AC 5	SAME AS AC-4 EXC: No. 5B0A024040 (2 TON) 22.6 TOT/ 16.7 SEN'S., 800 CFM, 460 lbs., 17.1 MCA

NOTE: AC-2 & 3 FOR ADMIN. PORTION OF BLD'G. "A" TO HAVE MODULATING ECONOMIZERS & RELIEF DPR'S.

* SPRING PRE-APPROVAL # R-0081

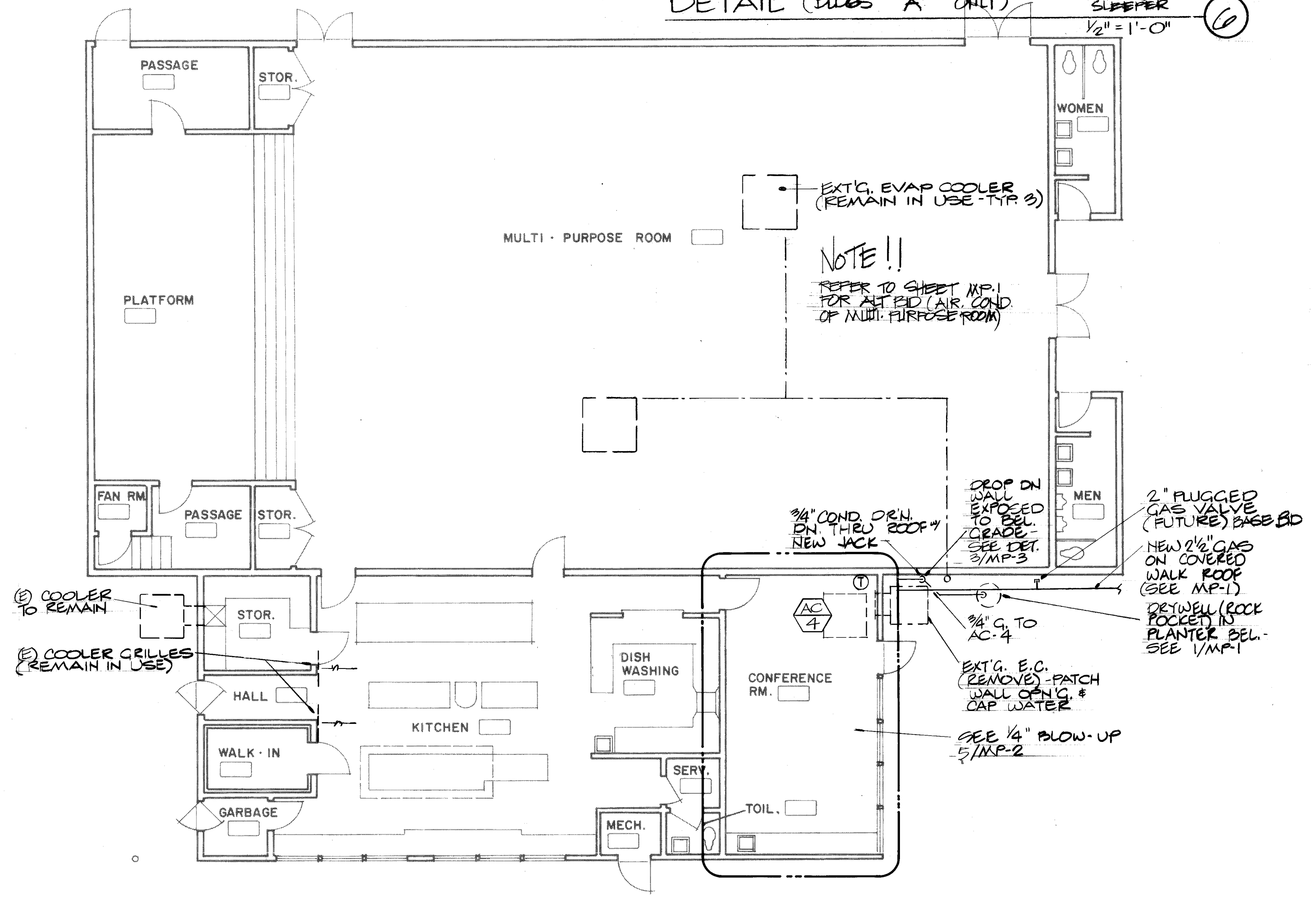
REGISTER SCHEDULE ("ANEMOSTAT" No.'s)

SIDEWALL	S.A.	-	32VO (OBD)
SURFACE	R.A.	-	53HS (OBD)
SURFACE	S.A.	-	MRDS
T-BAR	S.A.	-	PRFO
T-BAR	R.A.	-	3PRO (OBD)
SIDEWALL	R.A.	-	53HS (OBD)



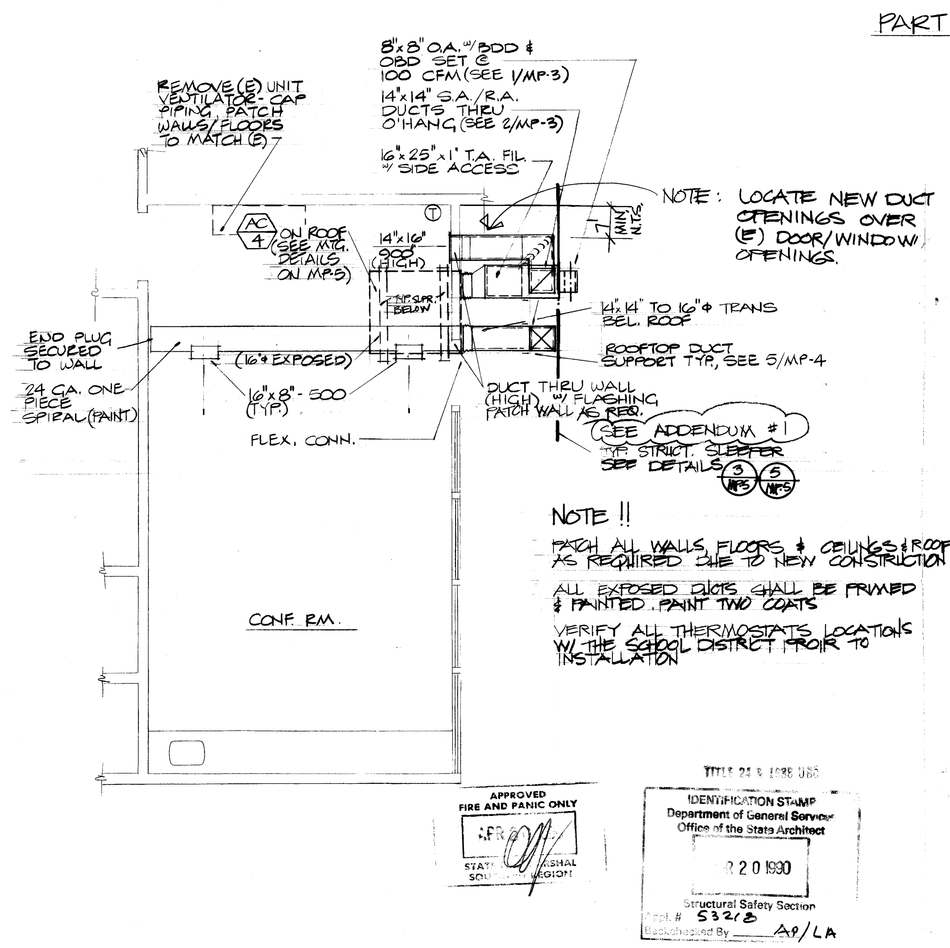
PARTIAL DEMOLITION PLAN - BLD'G. "A"

SCALE: 1/4" = 1'-0" (3)



BUILDING B

(4)



PARTIAL MECH. PLAN - BLD'G. "B"

SCALE: 1/4" = 1'-0" (5)

SCHOOL EQUIPMENT ANCHORAGE:

WHERE DETAILS OF MECHANICAL EQUIPMENT ANCHORAGE ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE OSA FIELD ENGINEER. THE OPERATING WEIGHT OF SUCH EQUIPMENT IS LIMITED TO 500 LB. AND IT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE	33 1/3% OF OP. WEIGHT
FIXED EQUIPMENT ON STRUCTURE	33 1/3% OF OP. WEIGHT
EMERGENCY POWER & COMMUNICATION EQUIPMENT ON GRADE	33 1/3% OF OP. WEIGHT
EMERGENCY POWER & COMMUNICATION EQUIPMENT ON STRUCTURE	50% OF OP. WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE '2' X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE SHALL BE 1/3 X HORIZONTAL FORCE.

GENERAL NOTES:

Indicates 1"-3# fiberglass duct liner. Unless noted otherwise, line thru the first elbow or to 12' min. on S.A./R.A. ductwork. Exhaust duct to be lined w/ 1/2" vinyl faced duct liner for entire run.

All supply and return ductwork that is unlined to be wrapped w/ 2" fiberglass (Unfaced except in R.A. plenum applications) blanket ductwrap. (R-7 min.) EXP. DUCTWORK EXEMPT.

All square elbows (45° or 90°) to be furnished w/ airfoil type turning vanes. At contractors option (and if space allows), long radius sweep elbows may be substituted for square elbows.

Rectangular ductwork has generally been shown because of space limitations which will not allow the use of round duct. Equiv. sized round duct will be allowed at contractors option if it will fit. Flex duct shall be limited to the last 6' of the run for register connection.

Thermostats shall be Title 24 approved.

All gravity vents, exhaust fans, and O.A. intakes shall be equipped w/ backdraft dampers. (Except exhaust ducts from Class 1 grease hoods).

Seal all duct joints w/ 4" canvas saturated in arabol. (incl. transverse joints).

Verify voltage and phase available on jobsite with elect. contractor prior to ordering equipment.

APPROVED FIRE AND PANIC ONLY — STATE FIRE MARSHAL

TITLE 24 ENERGY — IDENTIFICATION STAMP — Department of General Services — Office of the State Architect — 2 2 0 1990 — Structural Safety Section — File # 5321.8 — Reviewed By AP/LA

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

FLOOR PLAN 1/8"

CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE AND AS SHOWN ON THE DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.

DATE | REVISIONS
4/90 | ADDENDUM

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JOB # 8916
DATE 7-'89
DRAWN RB
CHECKED GB

SHEET MP-2 OF 5 SHEETS

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