

GENERAL PROJECT NOTE - COORDINATION OF WORK:

Layout of materials, equipment and systems is generally diagrammatic unless specifically dimensioned. Some work may be shown offset for clarity. The actual locations of all materials, piping, ductwork, fixtures, equipment, supports, etc. shall be carefully planned, prior to installation of any work, to avoid all interferences with each other, or with structural, electrical, architectural or other elements. Verify the proper voltage and phase of all equipment with the electrical plans. All conflicts shall be called to the attention of the Architect and the Engineer prior to the installation of any work or the ordering of any equipment.

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
	ROUND DUCT	—
	SHEET METAL DUCT	—
	DUCT WITH ACOUSTIC LINING	—
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST AIR DUCT DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT	VCD
	OPPOSED BLADE DAMPER	OBD
	FIRE DAMPER WITH ACCESS PANEL	FD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
	THERMOSTAT @ +4'-0"	T'STAT
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE OR DUCT TURN DOWN	—
	PIPE OR DUCT TURN UP	—
	BYPASS TIMER	BPT
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)
	EXISTING TO BE REMOVED	—

REMOVE (E) EVAP. COOLER, SUPPORT AND RELATED PIPING/ DUCTWORK. REPAIR WINDOW TO MATCH EXISTING. (TYPICAL)

APPLY BLOW-IN INSULATION THRU ROOF OPENING. PROVIDE THICKNESS REQUIRED FOR THERMAL RESISTANCE OF "R-19". SEE ARCH. SPECS. (TYPICAL FOR ALL AREAS SERVED BY NEW H.C. UNITS.)

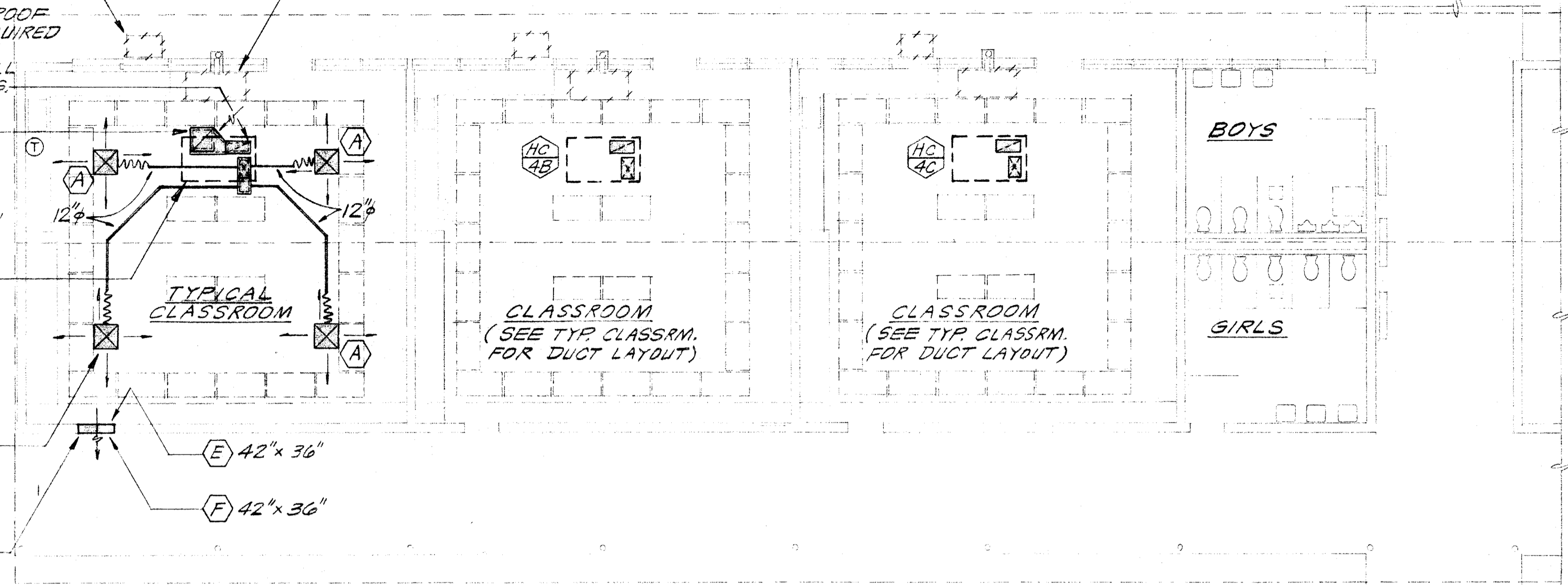
24" x 24" 1625 CFM

HEATING/ COOLING UNIT ON ROOF W/ 17" x 12" S.A. & 26" x 11" R.A. DOWN THRU ROOF. SEE DETAIL A / M-3. (TYPICAL)

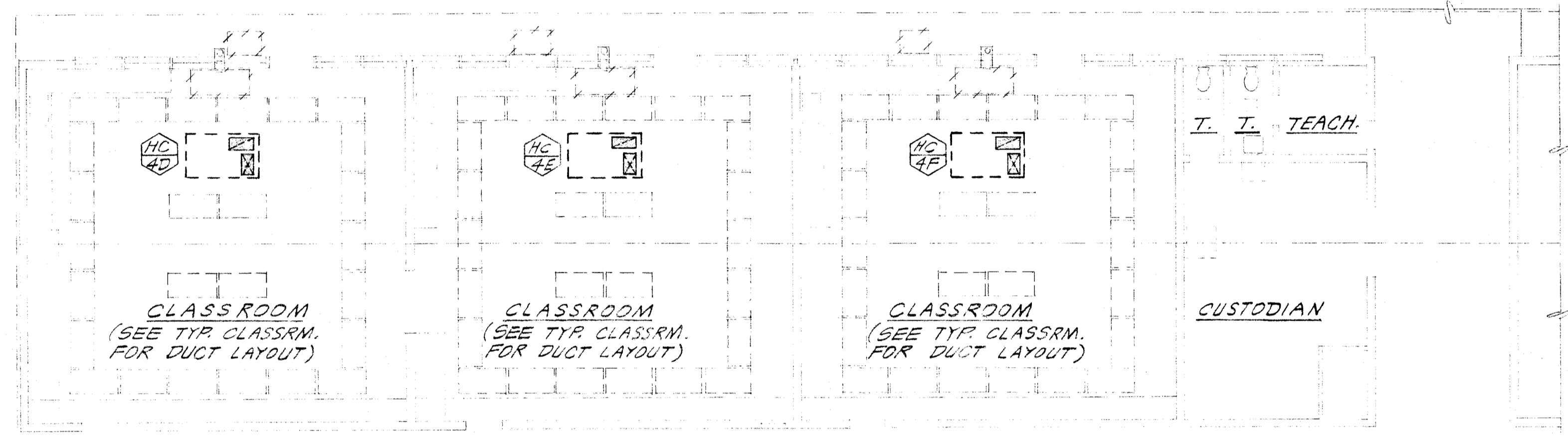
15" x 15" - 4W 500 CFM (TYP. OF A) SEE DET. D / M-3.

BAROMETRIC RELIEF ASSEMBLY ABV. DOOR. SEE DETAIL E / M-3 (TYPICAL)

REMOVE (E) FLR. MTD. FURNACE, & FLUE TO WALL AND ABOVE ROOF. PATCH FLR., WALL AND ROOF TO MATCH EXISTING.



BUILDING A



BUILDING C

HEATING/ COOLING UNIT ON ROOF W/ 18" x 15" S.A. & 26" x 11" R.A. DOWN THRU ROOF. SEE DETAIL A / M-3 (TYP. OF 2)

12" x 12" - 4W 375 CFM (TYP. OF 2)

SEE DET. FOR TYPICAL SPIN-IN FITTING.

12" x 12" - 4W 250 CFM SEE DETAIL D / M-3. (TYPICAL)

48" x 24" 1950 CFM

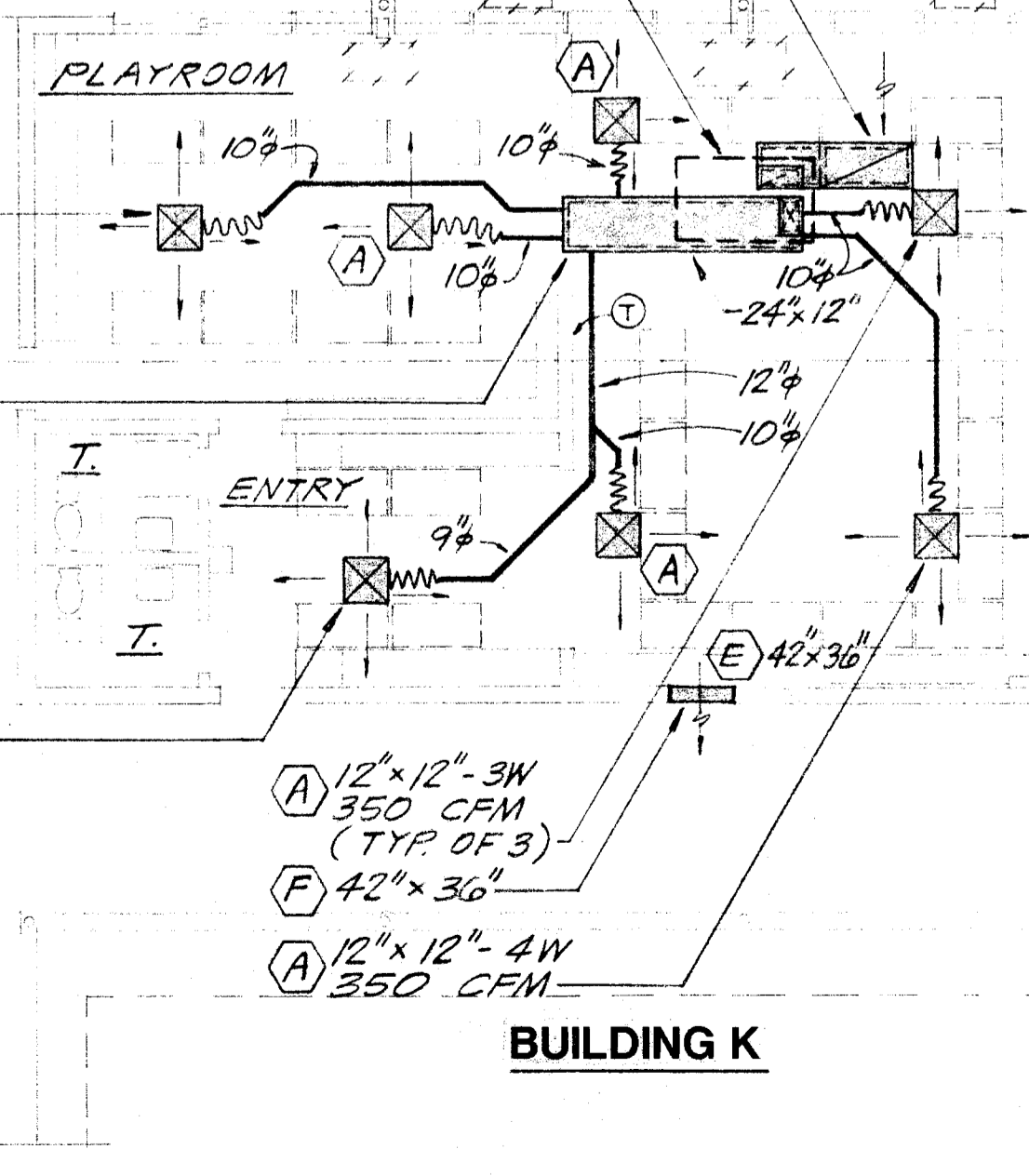
48" x 24" 1950 CFM

HEATING/ COOLING UNIT ON ROOF W/ 17" x 11" S.A. & 11" x 11" R.A. DOWN THRU ROOF. OFFSET DUCTS TO AVOID ROOF JOISTS. SEE DETAIL A / M-3.

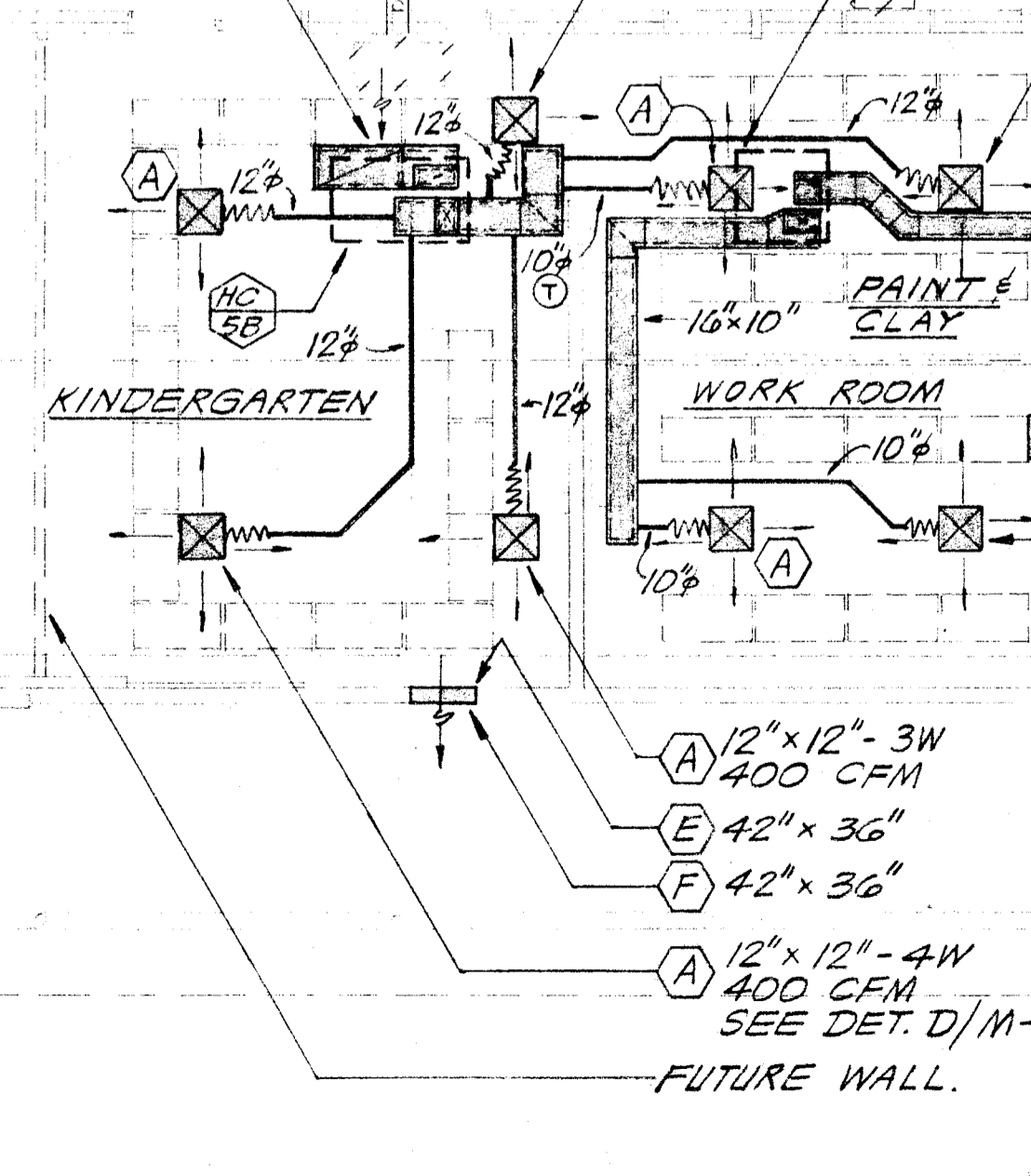
12" x 12" - 4W 400 CFM (TYP. OF 2)

24" x 24" 700 CFM

12" x 12" - 4W 400 CFM (TYP. OF 2)



BUILDING K



FUTURE WALL.

AIR CONDITIONING PLAN

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



REVISIONS	
1	DEA REVIEW 5/2/17

HEATING & COOLING MODIFICATIONS
 CASTRO LANE ELEMENTARY SCHOOL
 2600 ROSE MARIE DRIVE
 BAKERSFIELD CITY SCHOOL DISTRICT

Lawrence • Nye • Becker Associates
 CONSULTING MECHANICAL ENGINEERS, INCORPORATED
 1400 Easton Drive, Suite 130
 Fresno, California 98711
 (209) 226-0101 FAX 209-224-6327
 1300 W. Shaw Avenue, Suite 2B
 Fresno, California 98711
 (209) 226-0101 FAX 209-224-6327

DATE	4-4-97
DRAWN	RAR
CHECKED	GLN
PROJECT	96298
SHEET	M-1