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
—HWS—	HOT WATER SUPPLY	HWS
—HWR—	HOT WATER RETURN	HWR
—CWS—	CHILLED WATER SUPPLY	CWS
—CWR—	CHILLED WATER RETURN	CWR
—CHWS—	CHILLED/HOT WATER SUPPLY	CHWS
—CHWR—	CHILLED/HOT WATER RETURN	CHWR
—BS—	BRINE SUPPLY	BS
—BR—	BRINE RETURN	BR
—S—	STEAM SUPPLY	—
—SCR—	STEAM CONDENSATE RETURN	—
—RD—	REFRIGERANT DISCHARGE	RD
—RL—	REFRIGERANT LIQUID	RL
—RS—	REFRIGERANT SUCTION	RS
	BALL VALVE	—
	BUTTERFLY VALVE	—
	CHECK VALVE	—
	GATE VALVE	—
	PLUG VALVE	—
	PRESSURE RELIEF VALVE	PRV
	UNION	—
	INSTRUMENT WELL	—
	FLOW SWITCH	FS
	STRAINER	—
	REDUCER OR INCREASER	—

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
-or-	FIRE DAMPER WITH ACCESS PANEL	FD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
T	THERMOSTAT @ +5'-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)

All mechanical and electrical equipment shall be braced or anchored to resist a horizontal force acting in any direction using the following criteria:

Fixed Equipment on Grade	22½ of Operating Weight
Fixed Equipment on Structure	33⅓ of Operating Weight
Emergency Power Equipment on Grade	33⅓ of Operating Weight
Emergency Power Equipment on Structure	50% of Operating Weight

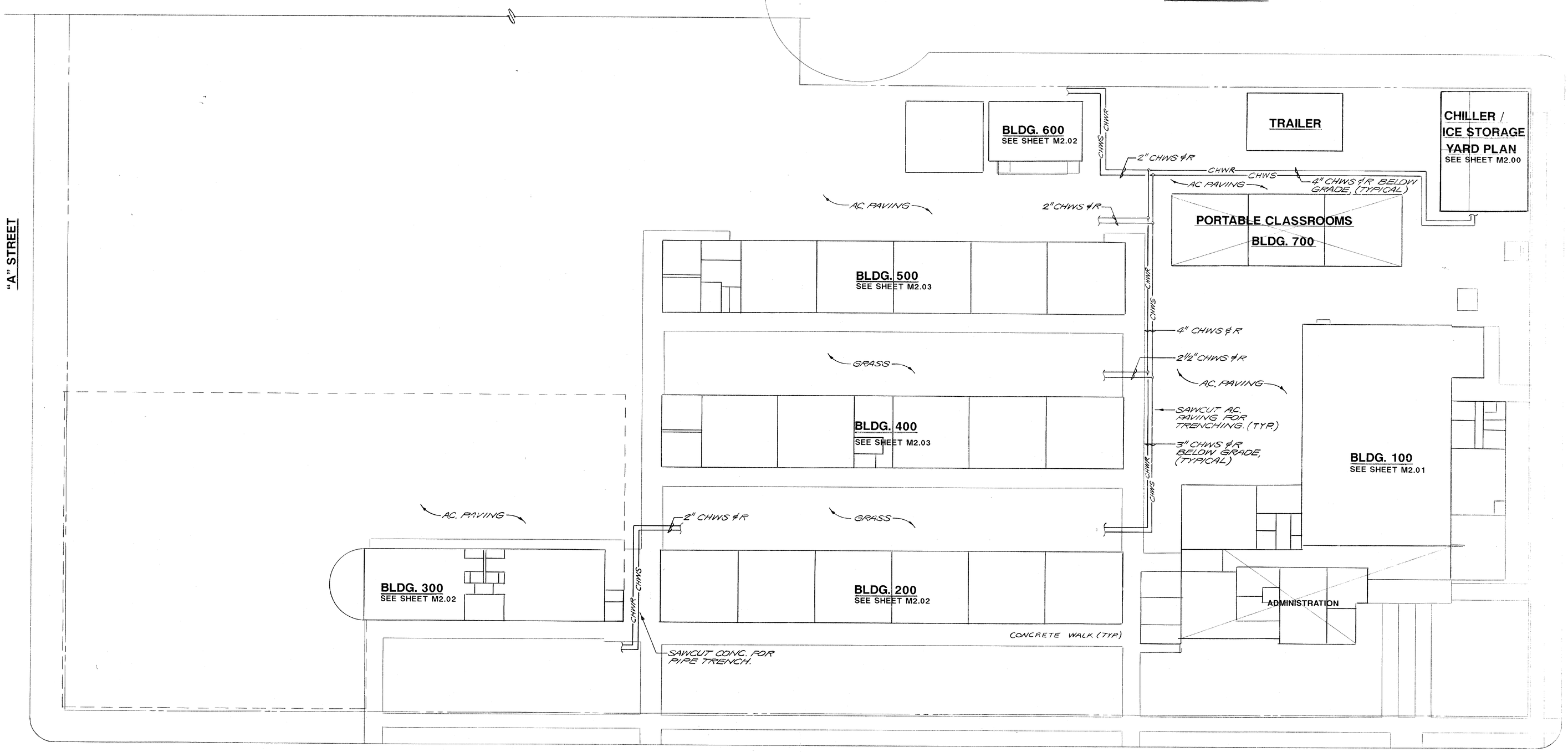
For Flexibly Mounted Equipment Use 2 X the above values.
Simultaneous Vertical Force - Use 1/3 X Horizontal Force.

Where anchorage details are not shown on the drawings the field installation shall be subject to the approval of the MECHANICAL engineer and the field representative of the Office of the State Architect.

NOTE:
FOR BUILDING 100 USE LOADS ABOVE MULTIPLIED BY 1.25.

NOTES:

1. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATION AND DEPTH OF POINTS OF CONNECTION TO EXISTING UTILITIES.
2. MINIMUM DOMESTIC WATER PIPE SIZE TO BE 3/4", UNLESS NOTED OTHERWISE. USE A REDUCING ELL AT WALL IF NECESSARY.
3. ALL EXISTING EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. ALL REMOVED EQUIPMENT WHICH REMAINS THE DISTRICT'S PROPERTY SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.
4. REMOVE ALL EXISTING THERMOSTATS AND DO NOT REUSE. INSTALL COVER PLATE. (UNLESS EXISTING HEATING SYSTEM TO REMAIN OR OTHERWISE NOTED).
5. CONTRACTOR TO WATER-JET UNDER EXISTING CONCRETE WHEN SOIL CONDITIONS PERMIT. SAWCUTTING WILL BE PERMITTED WHEN CONDITIONS DO NOT ALLOW JETTING OR EXCAVATION BELOW EXISTING CONCRETE. ALL CONCRETE TO BE PATCHED TO MATCH EXISTING WHEN CUT.
6. ALL PIPE INSULATION (OTHER THAN BURIED) SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS, AND A SMOKE DENSITY NOT TO EXCEED 450.



AIR CONDITIONING SITE PLAN
SCALE: 1"=20'-0"

N

bfgc

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ROOSEVELT SCHOOL MODERNIZATION
FOR
BAKERSFIELD CITY SCHOOL DISTRICT

AIR CONDITIONING SITE PLAN

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