GENERAL NOTES

1. PROVIDE COMPLETE AIR CONDITIONING SYSTEMS INCLUDING ALL AIR CONDITIONING UNITS, DUCTWORK, INSULATION, CONTROLS, AND HEATING SYSTEMS.
2. ALL SYSTEMS TO BE IN ACCORDANCE WITH GOVERNING CODES AND ORDINACES AND APPROVED BY GOVERNING INSPECTION AGENCIES. OBTAIN ALL PERMITS AND PAY ALL FEES.
3. DUCTWORK TO BE FABRICATED OF GALVANIZED STEEL IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE (OR SMACNA DUCT CONSTRUCTION MANUAL IF PRESSURE CLASS IS DESIGNATED)
4. ALL SUPPLY AND RETURN AIR DUCTS SHALL BE LINED FROM UNIT TO A MINIMUM OF 8' BEYOND WITH 1" – 1.5 POUND VINYL COATED GLASS FIBER LINING. DIMENSIONS ARE NET INSIDE THE LINING. (OR AS SHOWN ON PLAN, SEE DUCT LINING NOTES).
5. RECTANGULAR DUCTWORK HAS GENERALLY BEEN SHOWN BECAUSE OF SPACE LIMITATIONS WHICH WILL NOT ALLOW THE USE OF ROUND DUCT. EQUIVALENT SIZED ROUND DUCT WILL BE ALLOWED AT CONTRACTORS OPTION IF IT WILL FIT. FLEX DUCT MAY BE USED AS SHOWN ON PLAN.
6. ALL SQUARE OR RECTANGLE DUCT TURNS FROM 45 DEGREES TO 90 DEGREES INCLUDING TURNS TO REGISTERS SHALL BE EQUIPPED WITH AIR FOIL TURNING VANES. LONG RADIUS ELBOWS MAY ALSO BE USED. ALL DUCT TRANSITIONS TO BE MADE AS SMOOTH AS POSSIBLE WITH PROPORTIONAL SPLITS. NO CAP AND TAP.
7. ALL DUCT TRANSVERSE JOINTS TO BE TAPED AIR TIGHT WITH 4" WIDE CANVAS AND ARABOL.
8. OUTSIDE INTAKES SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS.
9. ALL CONCEALED SUPPLY AND RETURN AIR DUCTS NOT LINED SHALL BE WRAPPED WITH 2" – 3/4 POUND GLASS FIBER DUCT WRAP FOIL FACED. (R–7 MIN.)
10. SYSTEMS TO BE BALANCED FOR PROPER AIR DELIVERY AND DISTRIBUTION OF HEATING AND COOLING.
11. PROVIDE ALL CONTROLS, THERMOSTATS, RELAYS AND CONTACTORS NECESSARY FOR PROPER AUTOMATIC OPERATION OF THE SYSTEMS. THERMOSTATS SHALL BE TITLE 24 APPROVED.
12. VERIFY VOLTAGE AND PHASE AVAILABLE ON JOBSITE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

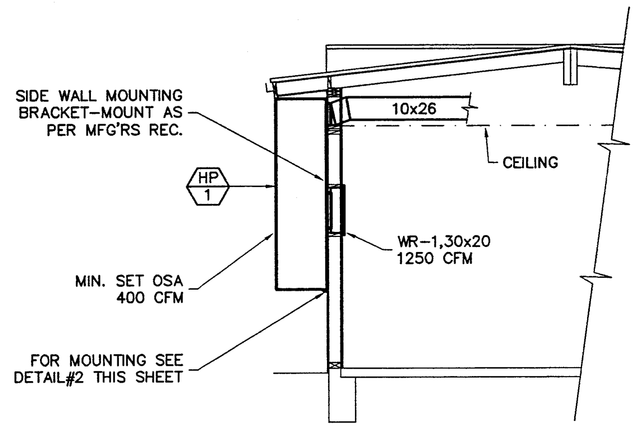
EQUIPMENT SCHEDULE

HP 1 — BARD #WH482 WALL MOUNTED HEAT PUMP UNIT – NOM. 4TON BAROMETRIC FRESH AIR DAMPER – FRONT OUTLET – 1" THROW AWAY FILTER – DUAL ELECT CIRCUITS: UNIT MIN. CIRCUIT AMPS, 38 & ELECT STRIP HEAT, 5 KW – 208/230v/1ph – 560 LBS (NOTE! VERIFY SITE VOLTAGE PRIOR TO ORDERING UNIT)

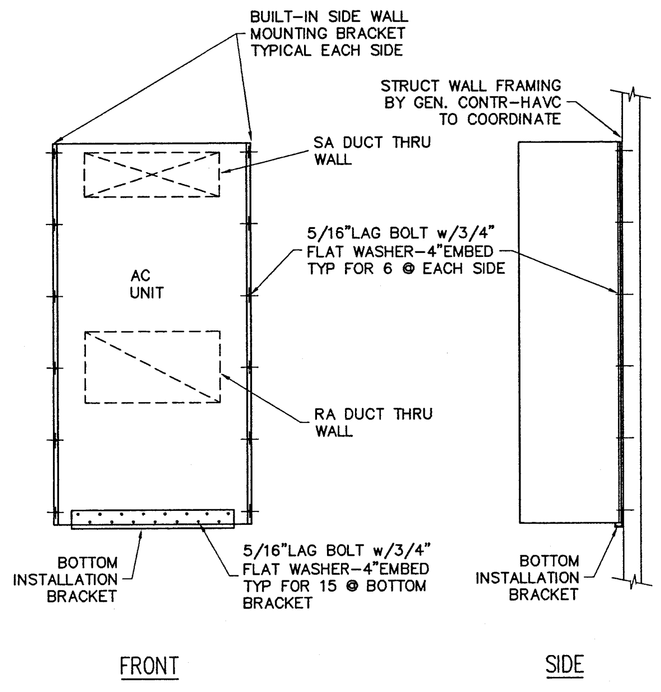
CS–1 ANEMOSTAT #RMD–FP SUPPLY DIFFUSER – 24"x24" 'T'BAR PANEL
WR–1 ANEMOSTAT #S3HOD WALL RETURN REGISTER
SEE PLAN FOR SIZES.

ALTERNATE – GAS HEATING

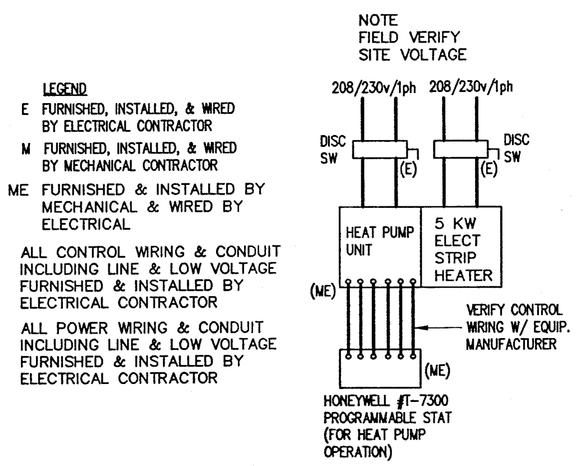
AC 1 — BARD #WAG40C–A54C WALL MOUNTED COMBINATION GAS/ELECTRIC UNIT – NOM. 3.5 TON – 51,000 BTUH OUTPUT – BAROMETRIC FRESH AIR DAMPER – FRONT OUTLET (THE SUPPLY AIR DUCT REQUIRES A ONE INCH CLEARANCE ON ALL FOUR SIDES FROM COMBUSTIBLE MATERIALS) 23.7 FLA @ 208/230v/1ph – 525 LBS.
(NOTE! VERIFY SITE VOLTAGE PRIOR TO ORDERING UNIT)



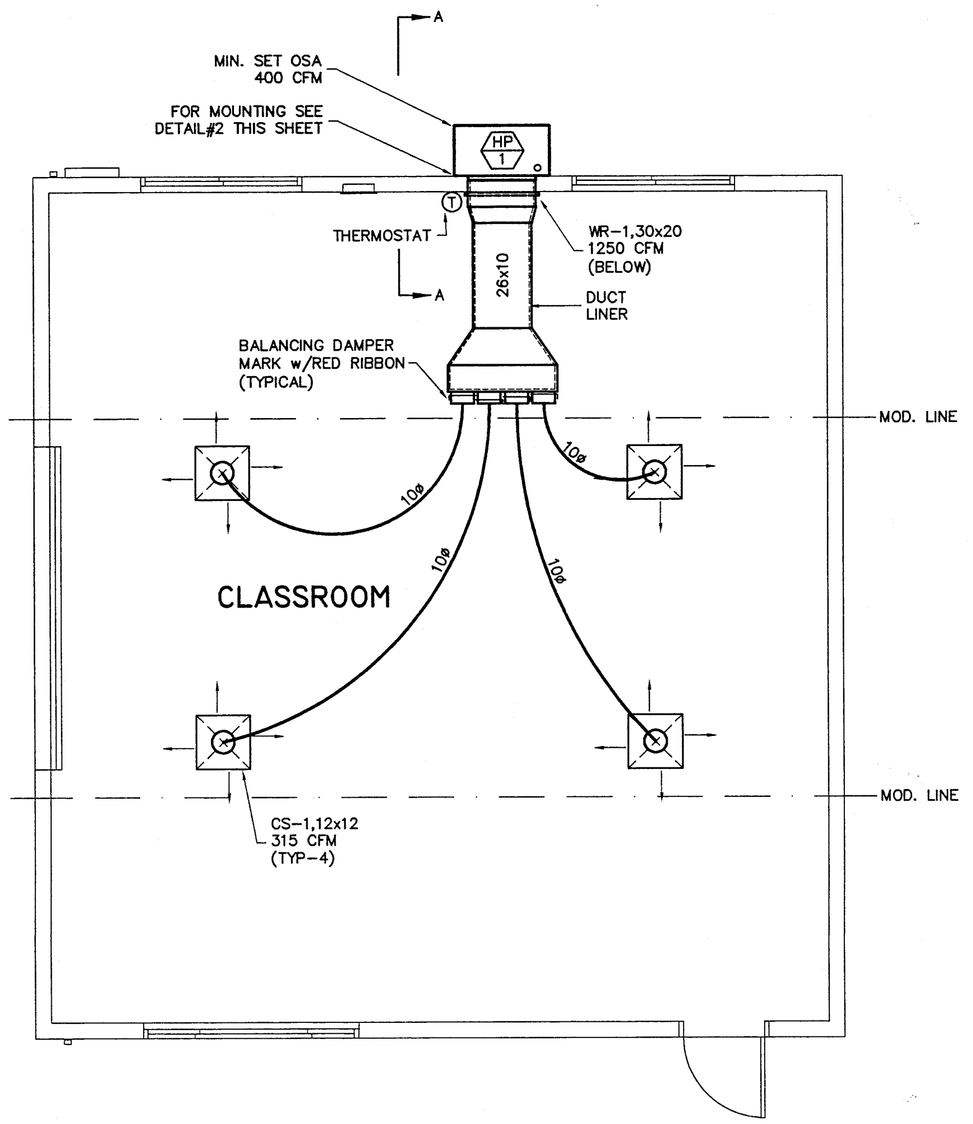
1 SECTION A-A — SCALE : 1/4" = 1'–0"



2 AC UNIT MOUNTING — SCALE : 1/2" = 1'–0"



3 CONTROL DIAGRAM - TYP — NTS



FRONT

"A" AS SHOWN
"B" OPPOSITE HAND

MECHANICAL FLOOR PLAN

SCALE : 1/4" = 1'–0"

ARCHITECT	Glenn Hartzell – Architect, inc.
STRUCTURAL	HBL
MECHANICAL	Frank Cantelmi
ELECTRICAL	Interstate Engineering

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MECHANICAL FLOOR PLAN
DETAILS–NOTES–SCHEDULE

RELOCATABLE CLASSROOM
MODEL #960 S

JOB NO. 288

SHEET NO. MP1

DATE 3–25–98 | DRAWN GS

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△ REVISIONS | D.S.A.

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