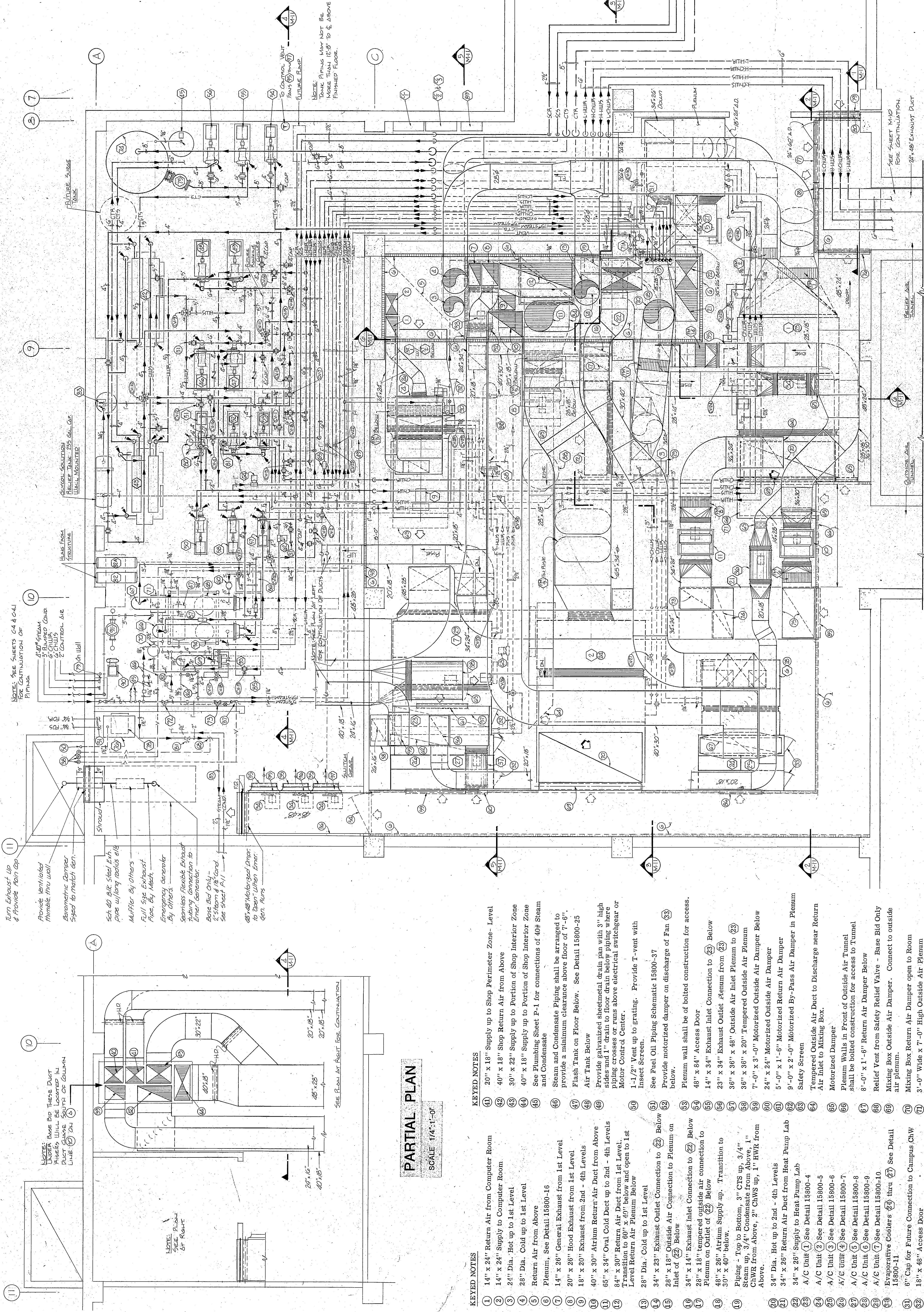


KEYED NOTES (Continued)

- (61) Relocated PRV Station. See Sheet P-11. Base Bid Only
(62) 1-1/2" Condensate. Base Bid Only.
(63) 2" Steam. Base Bid Only.
(64) Sound Trap (ST-3) Below.
(65) 5'-0" x 5'-0" Motorized Outside Damper.
(66) 4'-0" x 3'-0" Motorized Outside Air Damper.
(67) See Detail 15800-47 for Heat Exchanger Stand for (65) and (67)
(68) See Detail 15800-44 for Heat Exchanger Stand for (68)

GENERAL NOTES:

- A Seal all duct and piping penetrations of return air plenum at chase.
B All horizontal piping shall be at least 8'-6" above finished floor unless otherwise indicated.
C Provide manual air vents at all high points in piping system.



KEYED NOTES

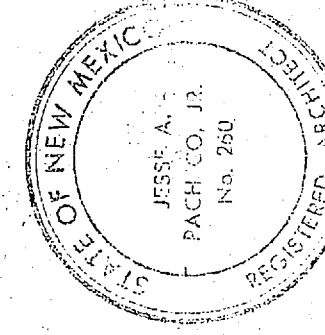
- (1) 14" x 24" Return Air from Computer Room
(2) 14" x 24" Supply to Computer Room
(3) 24" Dia. Hot up to 1st Level
(4) 28" Dia. Cold up to 1st Level
(5) Return Air from Above
(6) Plenum, See Detail 15800-16
(7) 14" x 26" General Exhaust from 1st Level
(8) 20" x 26" Hood Exhaust from 1st Level
(9) 18" x 20" Exhaust from 2nd - 4th Levels
(10) 40" x 30" Atrium Return Air Duct from Above
(11) 65" x 34" Oval Cold Duct up to 2nd - 4th Levels
(12) 84" x 30" Return Air Duct from 1st Level, Level Return Air Plenum Below
(13) 26" Dia. Cold up to 1st Level
(14) 34" x 23" Exhaust Outlet Connection to (2) Below
(15) 28" x 18" Outside Air Connection to Plenum on Inlet of (2) Below
(16) 34" x 14" Exhaust Inlet Connection to (2) Below
(17) Plenum on Outlet of (2) Below
(18) 28" x 18" tempered outside air connection to 30" x 40" below.
(19) 48" x 26" Atrium Supply up. Transition to Piping - Top to Bottom, 3" CTS up, 3/4" Steam up, 3/4" CTS down, 1" HWI from Above.
(20) 34" Dia. Hot up to 2nd - 4th Levels
(21) 34" x 26" Return Air Duct from Heat Pump Lab
(22) 34" x 26" Supply to Heat Pump Lab
(23) A/C Unit (1) See Detail 15800-4
(24) A/C Unit (2) See Detail 15800-5
(25) A/C Unit (3) See Detail 15800-6
(26) A/C Unit (4) See Detail 15800-7
(27) A/C Unit (5) See Detail 15800-8
(28) A/C Unit (6) See Detail 15800-9
(29) A/C Unit (7) See Detail 15800-10
(30) Evaporative Coolers (2) thru (27) See Detail 15800-11
(31) 6" Cap for Future Connection to Campus CHW
(32) 18" x 48" Access Door
(33) 18" x 42" Access Door
(34) 18" x 18" Access Door
(35) Barometric Damper 30" x 30"
(36) Hold Duct Tight to Structure
(37) Relief Vent from Relief Valve (1) Pipe Size larger than Relief Valve Outlet.
(38) Crane Swartwout Exhaust Head with Drain to Atrium Drain
(39) 4'-0" x 7'-0" Transfer Grille (H)
(40) 20" x 18" Supply up to Energy Conversion Lab Level 1
(41) 20" x 18" Supply up to Shop Perimeter Zone - Level
(42) 40" x 18" Shop Return Air from Above
(43) 30" x 22" Supply up to Portion of Shop Interior Zone
(44) 40" x 18" Supply up to Portion of Shop Interior Zone
(45) See Plumbing Sheet P-1 for connections of 40" Steam and Condensate
(46) Steam and Condensate Piping shall be arranged to provide a minimum clearance above floor of 7'-6".
(47) Flash Tank on Floor Below. See Detail 15800-25
(48) Air Tank Below
(49) Provide galvanized sheetmetal drain pan with 3" high gully drain and floor drain below piping where piping crosses or runs above electrical switchgear or Motor Control Center.
(50) 1-1/2" Vent up to grating. Provide T-vent with Insect Screen.
(51) See Fuel Oil Piping Schematic 15800-37
(52) Provide motorized damper on discharge of Fan (53) below.
(53) Plenum wall shall be of bolted construction for access.
(54) 48" x 84" Access Door
(55) 14" x 34" Exhaust Inlet Connection to (52) Below
(56) 23" x 34" Exhaust Outlet Plenum from (52) Below
(57) 36" x 35" x 48" Outside Air Inlet Plenum to (52) Below
(58) 36" x 35" x 20" Tempered Outside Air Plenum
(59) 7'-0" x 3'-0" Motorized Outside Air Damper Below
(60) 24" x 24" Motorized Outside Air Damper
(61) 5'-0" x 1'-6" Motorized Return Air Damper
(62) 9'-0" x 2'-0" Motorized By-Pass Air Damper in Plenum
(63) Safety Screen
(64) Tempered Outside Air Duct to Discharge near Return Air Inlet to Mixing Box.
(65) Motorized Damper
(66) Plenum Walls in Front of Outside Air Tunnel shall be bolted construction for access to Tunnel
(67) 8'-0" x 1'-6" Return Air Damper Below
(68) Relief Vent from Safety Relief Valve - Base Bid Only
(69) Mixing Box Outside Air Damper. Connect to outside air plenum.
(70) Mixing Box Return Air Damper open to Room
(71) 3'-0" Wide x 7'-0" High Outside Air Plenum
(72) Return Air Inlet Open to Room
(73) 36" x 24" From 5'-0" x 5'-0" x 3'-2" plenum on tempered outside air outlet of (2) below
(74) 34" x 24" exhaust down to 23" x 58" Exhaust Inlet of (2) Below
(75) 37" x 58" Exhaust Outlet from (2) Below
(76) 4'-0" x 2'-0" Relief Damper Below for A/C Unit (1)
(77) 5'-0" x 7'-0" Relief Damper for A/C Unit (1)
(78) 4'-0" x 7'-0" Transfer Grille (H)
(79) Provide (3) 48" x 28" motorized damper interlocked with Fans (65) and (67)

BASEMENT LEVEL PLAN

SCALE 1/4"=1'-0"

UNM MECHANICAL ENGINEERING BLDG

BASEMENT - HVAC PLAN



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