ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER

ZUNI, NEW MEXICO

PROJECT NO. 72-022

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

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5401 WEST BARD AVENUE
WASHINGTON D.C. 20016

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1114 COMMERCE STREET
DALLAS, TEXAS 75202

ASSOCIATE ARCHITECTS
CHAMBERS, CAMPBELL, ISAACSON, CHAPLIN, INC.
ARCHITECTS, ENGINEERS, PLANNERS
ALBUQUERQUE, NEW MEXICO

CAUDILL, ROWLETT, SCOTT
ARCHITECTS, PLANNERS
HOUSTON, TEXAS

CONSULTING ENGINEERS
ALLISON ENGINEERING, INC.
MECHANICAL, PLUMBING & ELECTRICAL ENGINEERS
ALBUQUERQUE, NEW MEXICO

RANDY HOLT AND ASSOCIATES
STRUCTURAL ENGINEERS
ALBUQUERQUE, NEW MEXICO

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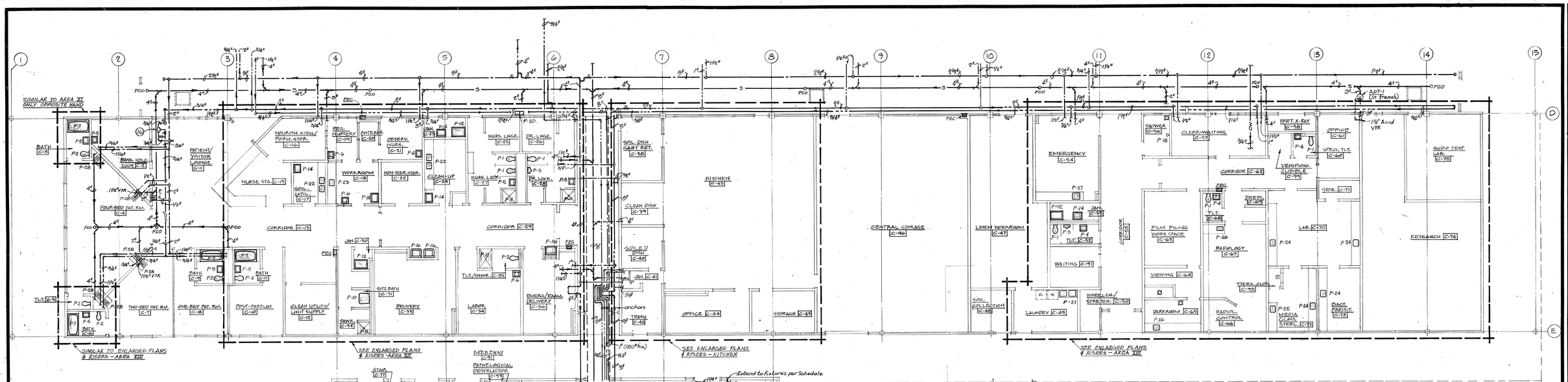
APPROVED		ARCHITECTURAL	ELECTRICAL	MECHANICAL	STRUCTURAL



PLUMBING FLOOR PLAN - UNIT C

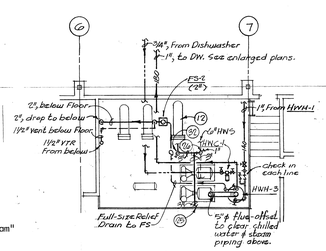
SCALE: 1/8" = 1'-0"

NOTES:

1. Fire Department siamese connection.
2. Water motor-fire department alarm gong.
3. Fire protection sprinkler system risers. See detail.
4. 8" fire protection main to half of building sprinkler system.
5. 4" fire protection main to fire hose cabinets.
6. 8" fire protection main with thrust block and mechanical joints.
7. 4" domestic water main, in sleeve from outside to above floor.
8. Pressure reducing station, see detail.
9. Sump pump SP-1 at bottom of pit. See detail.
10. See "Mech. Piping Plan" for Compressors and Vac. Pump in this area.
11. Domestic water storage heater HWH-1. See detail.
12. Auxiliary water heater HWH-2. See detail.
13. Location of fuel oil pumps. See detail.
14. Emergency generator and day tank for fuel oil.
15. 2" vent under floor.
16. Install mixing valve MV-1 (3/4" x 3/4" x 3/4") above ceiling. See detail this sheet.
17. Water softener WS-1, see details.
18. Vent riser exposed on wall. Offset in joist space to VTR as shown. Make vent connections above floor.

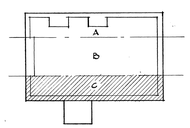
NOTES (CONTINUED):

19. 2" softened cw make-up, drop to Tower Pump Pit. See "Condenser Water Flow Diagram".
20. 1/2" softened cw make-up, drop to each Chemical Reservoir. See "Condenser Water Flow Diagram".
21. 1" softened cw make-up, drop to 8" CWR line. See "Chilled Water Piping Schematic".
22. 1/2" softened cw, drop to Purge Unit. See "Chilled Water Piping Schematic".
23. 1 1/2" softened cw, drop to Blowdown Tank at (9). See "Flow Diagram" Sheet M-22.
24. 1/2" softened cw, drop to Air Washer (50). Connect as required.
25. See "Plumbing Floor Plan - Unit C" for continuation.
26. 1" softened cw, drop to 6" HWS Line. See "Heating Water Schematic".
27. Install vacuum breaker at high point in line.
28. See "Partial Plan - Mezzanine" for continuation.
29. 2" Lanscape water supply with vacuum breaker and shutoff valve. Sleeve from above floor to outside.
30. See "Utilities Plot Plan" for continuation.
31. 3/4" Lanscape water supply with vacuum breaker and shutoff valve. Sleeve from above floor to outside.
32. 3" softened cw drop to HWH-2. See Detail.
33. 3" softened cw drop to HWH-1. See Detail.
34. Due to the pressence of LP Gas in the Mechanical Room the two depressed areas shall be gravity-drained to daylight. Drain shall consist of 4" hub fitting at floor of pit with 4" drain sloping at 1/4" per foot extended beyond building line through dirt bank to daylight. Discharge shall have 16 mesh bronze insect screen attached.



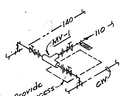
PARTIAL PLAN - MEZZANINE

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

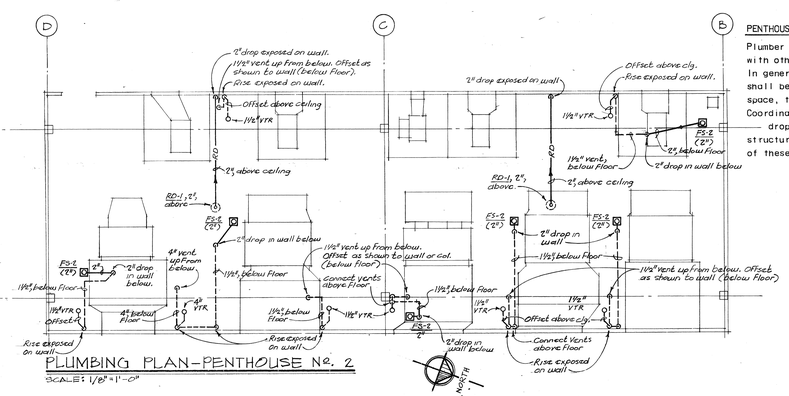


PENTHOUSES PIPING NOTE:

Plumber must coordinate drain and vent piping with other trades, primarily sheetmetal work. In general, piping shown below penthouse floor shall be located within the structural members space, to minimize conflict with ducts. Coordinate routing to clear duct rises and drops passing thru structure space; see ductwork plans for location of these rises and drops.

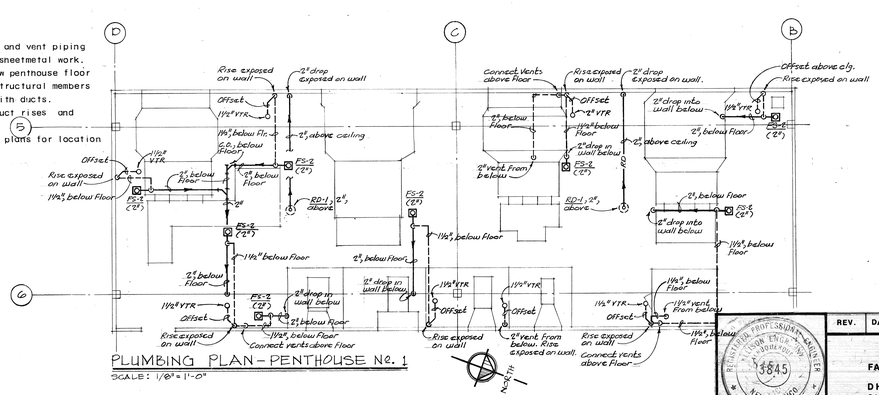


TYPICAL MIXING VALVE DETAIL - 110° F. WATER TO ROOMS NOT TO SCALE



PLUMBING PLAN - PENTHOUSE No. 2

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



PLUMBING PLAN - PENTHOUSE No. 1

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

REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
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5401 WEST BARD AVENUE
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ROFEC
1114 COMMERCE STREET
DALLAS TEXAS 75202

PROJECT
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DRAWN
CHECKED F. S.
APPROVED
REVISIONS:

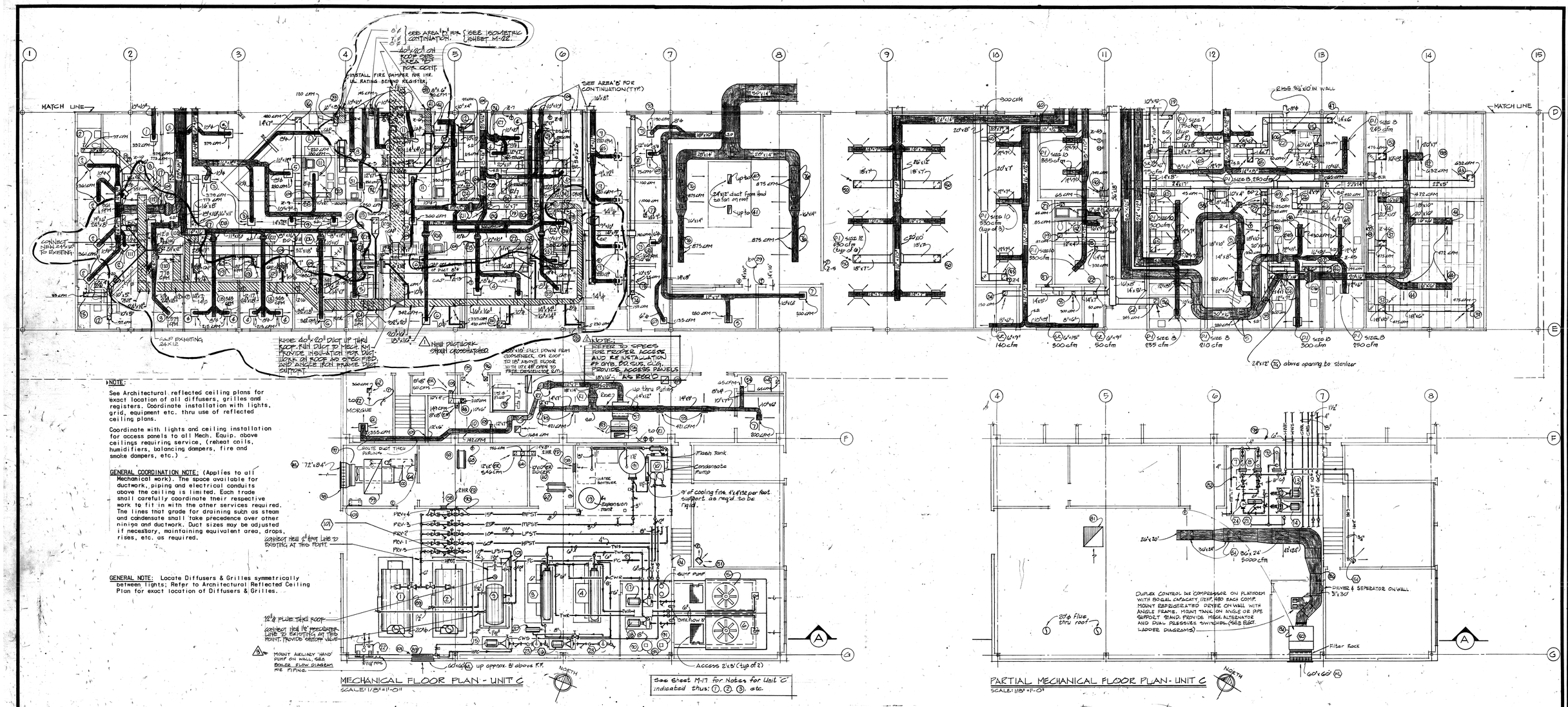
ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

PLUMBING PLAN — UNIT C

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN, INC.
ARCHITECTS — ENGINEERS — PLANNERS
A SUBSIDIARY OF SOUTHWEST FOREST INDUSTRIES
3000 INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87106

CRS
CAUDILL ROWLETT SCOTT

PROJ 72-022
DATE 5-29-73
M 3
OF



MECHANICAL FLOOR PLAN - UNIT C

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

See Sheet M-17 for Notes for Unit 'C' indicated thus: (1), (2), (3), etc.

NOTE:

See Architectural reflected ceiling plans for exact location of all diffusers, grilles and registers. Coordinate installation with lights, grid, equipment etc. thru use of reflected ceiling plans.

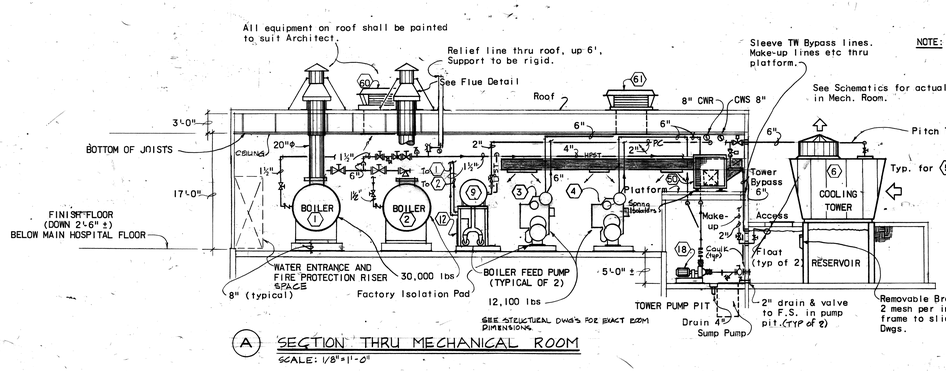
Coordinate with lights and ceiling installation for access panels to all Mech. Equip. above ceilings requiring service, (reheat coils, humidifiers, balancing dampers, fire and smoke dampers, etc.)

GENERAL COORDINATION NOTE: (Applies to all Mechanical work). The space available for ductwork, piping and electrical conduits above the ceiling is limited. Each trade shall carefully coordinate their respective work to fit in with the other services required. The lines that grade for draining such as steam and condensate shall take precedence over other minimum ductwork. Duct sizes may be adjusted if necessary, maintaining equivalent area, drops, rises, etc. as required.

GENERAL NOTE: Locate Diffusers & Grilles symmetrically between lights; Refer to Architectural Reflected Ceiling Plan for exact location of Diffusers & Grilles.

PARTIAL MECHANICAL FLOOR PLAN - UNIT C

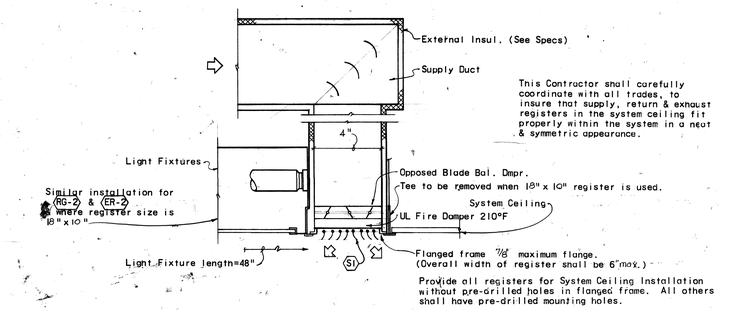
SCALE: 1/8" = 1'-0"



NOTE: Maintain water level in Tower Sumps at approx. 7" sump top, or as recommended by Mfr.

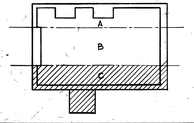
(A) SECTION THRU MECHANICAL ROOM

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



SUPPLY REGISTER DETAIL

NOT TO SCALE



REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.
4	10-23-81		ADDED NEW BOILER, ASSOCIATED EQUIP & PIPING.	CM&A	
3	5-12-81		REF. NOTE	B&S	
1	5-12-81		ADDED NEW R.S. SYSTEM.	CM&A	

REGISTERED PROFESSIONAL ENGINEER — NEW MEXICO — 3845

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

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ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

HEATING, VENTILATING, & A/C - UNIT C

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN, INC.
ARCHITECTS • ENGINEERS • PLANNERS
3500 INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87106

CRS
CAUDILL ROWLETT SCOTT

PROJ 72-022

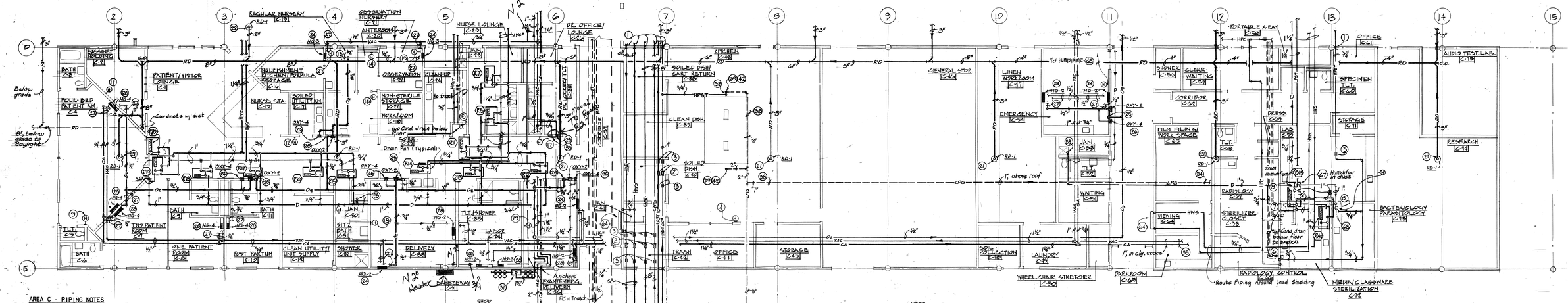
DATE 5-29-73

M 16

OF

SCHEDULE OF DROPS TO HOSPITAL GASES OUTLETS

HG-2	2-½" O_2 2-½" VAC 1-½" CA	HG-4	1-½" O_2 1-½" VAC 1-½" CA
HG-3	1-½" O_2 2-½" VAC		



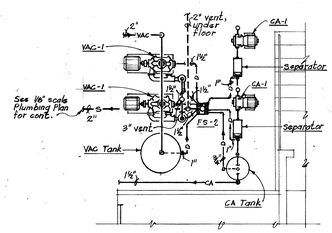
AREA C - PIPING NOTES

1. Anchor piping with channels to joist system.
2. Expansion joint
3. Pipe guide, added to joist system with cross angles.
4. Humidistat controlling in (29)
5. Drop ¾" HPST and connect to warming cabinet per Mfr. recommendations. See detail for trap, etc.
6. Drop ¾" HPST to washer and connect per Mfr. recommendations. See detail for trap, etc. Provide PRV, strainer, etc. as req'd. per Mfr.
7. Drop ¾" HPST to sterilizer and connect per Mfr. recommendations. See detail for trap, etc.
8. See steam drip detail, extend drain from humidifier.
9. Humidistat controlling from Unit
10. Install manual air vents at all high points where piping turns down in direction of flow. Provide convenient access.
11. Humidistat controlling from Unit (27)
12. Humidistat controlling from Unit (27)
13. Humidistat controlling from Unit (27)
14. Humidistat controlling from Unit (27)
15. Humidistat controlling from Unit (27)
16. Humidistat controlling from Unit (27)
17. Humidistat controlling from Unit (27)
18. Humidistat controlling from Unit (27)
19. Humidistat controlling from Unit (27)
20. Pitch HPST line to drip toward traps at sterilizer.
21. 3" drop from Roof Drain RD-1, 3" size, above.
22. 2" drop from Roof Drain RD-1, 2" size, above.
23. Extend 4" to outside wall, drop to below floor.
24. Hospital Gases Outlets mounted in wall.
25. Drop in wall, line size, offset thru oxygen Emergency Shutoff Valve OXY-2 in wall. Rise to above ceiling.
26. Oxygen Alarm OXY-4 in wall, with 3/8" sensor to branch.
27. Extend piping as shown on "Sched. of Drops to Hosp. Gases Outlets" this sheet.
28. Hospital Gases Outlets mounted in wall console - see Electrical Drawings for exact location.
29. Compressed Air Alarm CA-2 in wall, with 3/8" sensor to main.
30. Vacuum Alarm VAC-2 in wall, with 3/8" sensor to main.
31. Oxygen Manifold OXY-1 on wall.
32. Drop 3/4" HPST to Steam Kettles and Cooker, with strainer, PRV, gauges, traps, etc. per Mfr. recommendations. Route condensate to Floor Drain.
33. Drop 1" Drain Line from Coil Drain Pans into wall, out just above rim of janitor's sink and turn down into sink.
34. 1" LPG above roof to Lab areas. See enlarged plans for continuation.
35. 1" VAC and 1" CA to Lab areas. See enlarged plans for continuation.
36. Sleeve 5" LPG thru wall, up approx. 24" above floor. Rise to joist space.
37. Extend 4" to Boiler; with dirt leg, gas cock, and code connection.
38. LPG piping above roof with supports as detailed approx. 6'-0" O.C.
39. Drop or rise thru pitch pan to above roof. See Penetration Detail.
40. Extend 2" to Pathological Destructor, with dirt leg, two gas cocks, code connection.
41. Extend ¾" to Booster Heater HWH-3, with dirt leg, gas cock, Flex. conn.
42. 2" drop thru roof. See Sheet K-3 for gas piping in kitchen below hood. All LPG piping by this contractor.
43. Contractor shall reduce to 4" and install a BAILEY Model No. 90 (close on falling pressure) diaphragm earthquake valve. Install sensor line from diaphragm to at least 3'-0" beyond valve. Valve shall require manual reset after actuation. Enlarge to 5" beyond valve.

MECHANICAL PIPING PLAN - UNIT 'C'
SCALE: 1/8" = 1'-0"

GENERAL NOTE: All Kitchen equipment and Hospital equipment requiring steam (kettles, sterilizers, warmers, etc.) shall be provided with necessary PRV'S, gauges, strainers, traps, and valves per Mfr. recommendations. The Contractor shall coordinate with the equipment suppliers to insure all necessary appurtenances are provided and installed.

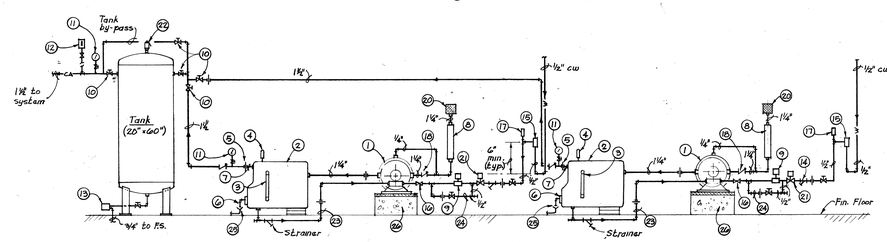
NOTE:
Provide expansion capability in all piping at building expansion joints. Insure that no piping is anchored on both sides of a building expansion joint.



ENLARGED CA & VAC PUMP PLAN
SCALE: 1/4" = 1'-0"

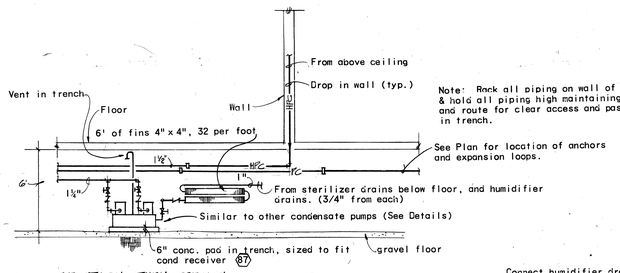
COMPRESSOR DETAIL NOTES:

1. Compressor
2. Separator with float valve
3. Gage glass
4. Relief valve
5. Orifice union
6. 1" pipe elbow
7. Nipple
8. Silencer
9. Solenoid valve (seal supply)
10. Shutoff valve
11. Pressure gauge
12. Pressure switch (wall mtd.)
13. Trap
14. Strainer
15. Anti siphon
16. Control valve (seal supply)
17. Shock arrestor
18. Check valve (inlet)
20. Filter inlet
21. Flow switch
22. Safety valve
23. ½" recirculation line
24. By-pass for initial prime
25. 1" drain with air gap to floor sink
26. 1/4" min. thick conc. base with isolators. Shim to be level.



COMPRESSOR CA-1 PIPING SCHEMATIC
NOT TO SCALE

NOTE:
See plan for physical arrangement of pumps and tank.

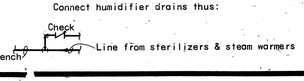


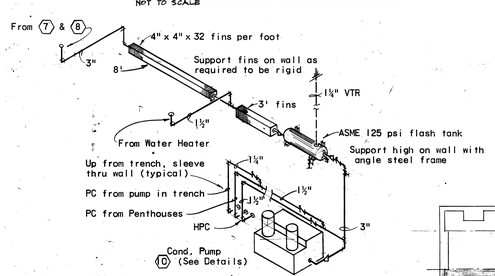
SECTION THRU TRENCH
NOT TO SCALE

Note: Rack all piping on wall of trench, & hold all piping high maintaining pitch, and route for clear access and passage in trench.

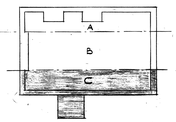
Notes: All Piping below floor from sterilizers shall be in 4" transite sleeve. All piping shall be copper. Type "L"

Connect humidifier drains thus:





CONDENSATE RETURN SCHEMATIC (IN MECH. RM.)
NOT TO SCALE



REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.
1	11-29-81		ADDED HEAT BOILER, ASSOCIATED EQUIP. & PIPING	CM & A	

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

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REGISTERED PROFESSIONAL ENGINEER — COMMONWEALTH OF PENNSYLVANIA — 3845 — ROBERT P. FRIGGINS

PROJECT
DATE
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CHECKED
APPROVED B.F.
REVISIONS:

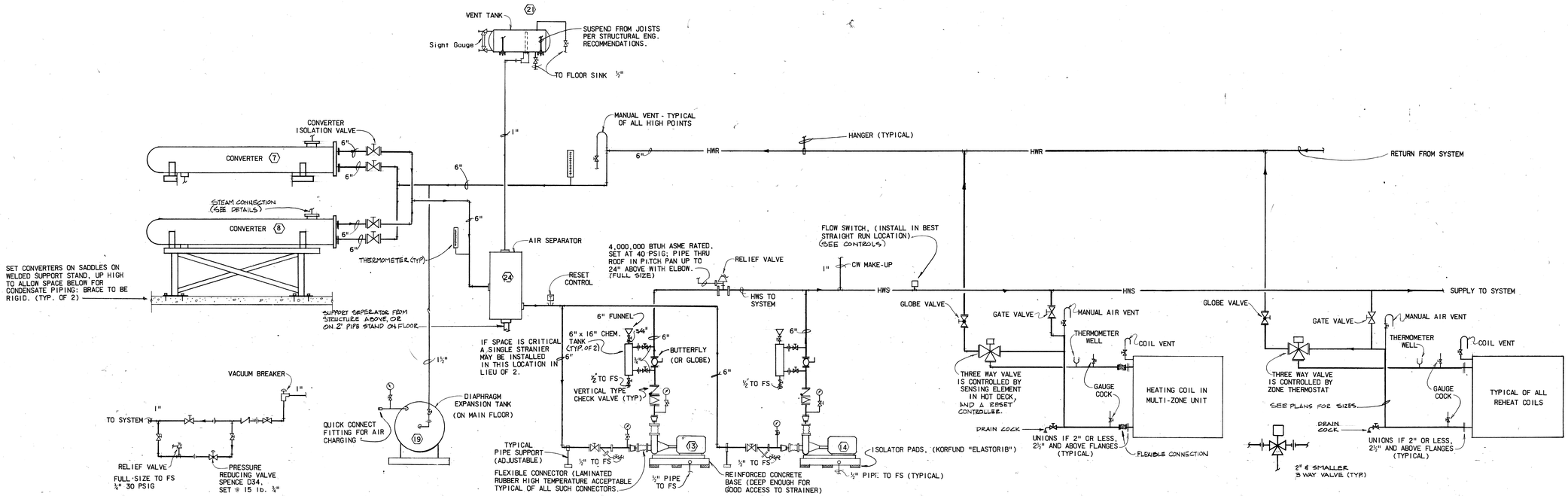
ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

MECHANICAL PIPING PLAN - UNIT 'C'

CHAMBERS - CAMPBELL / ISAACSON - CHAPLIN, INC.
ARCHITECTS - ENGINEERS - PLANNERS
A SUBSIDIARY OF SOUTHWEST FOREST INDUSTRIES
2500 INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87106

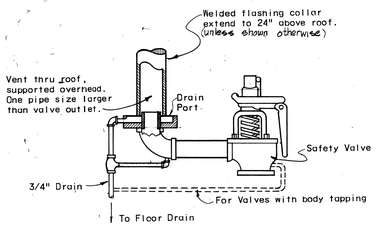
CRS
CAUDILL ROWLETT SCOTT

PROJ 72-022
DATE 5-29-73
M 19
OF



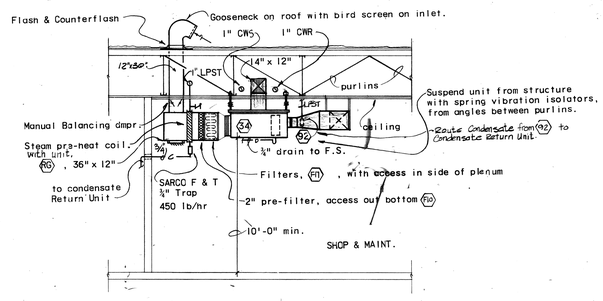
HEATING WATER SCHEMATIC

NOT TO SCALE



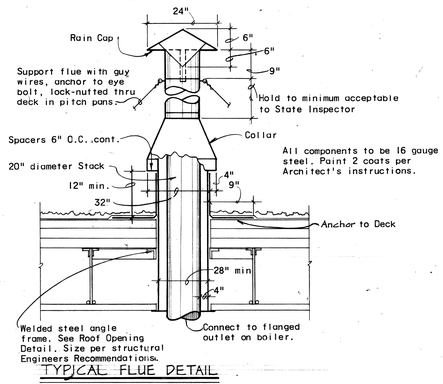
TYPICAL RELIEF VALVE

NOT TO SCALE



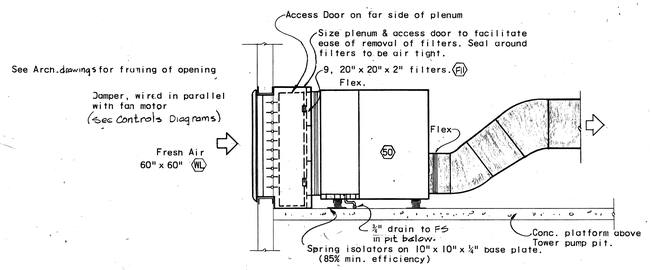
FAN COIL (34) DETAIL

SCALE: 1/4"=1'-0"



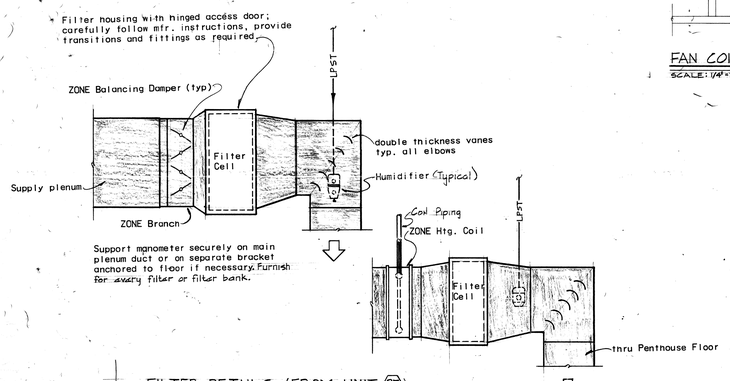
TYPICAL FLUE DETAIL

NOT TO SCALE



AIR WASHER DETAIL (MECHANICAL ROOM)

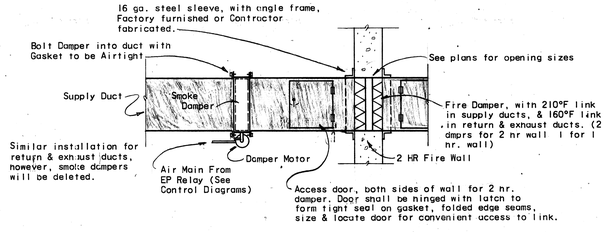
NOT TO SCALE



FILTER DETAILS (FROM UNIT (27))

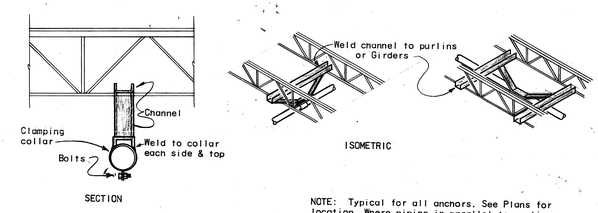
NOT TO SCALE

NOTE: This Contractor shall provide as built drawings to the owner showing locations of all fire & smoke dampers. At each location of dampers, the Contractor shall install a white 4" x 6" tag on side of duct with large black letters, (FD) for fire damper or (SD) for smoke damper, and (BD) for balancing damper.



FIRE DAMPER & SMOKE DAMPER DETAIL

NOT TO SCALE



NOTE: Typical for all anchors. See Plans for location. Where piping is parallel to purlins or girders, two channels are required between Purlins or Girders thus:

PIPE ANCHOR TO PURLINS OR GIRDERS

NOT TO SCALE

REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.

REGISTERED PROFESSIONAL ENGINEER — ALLISON ENDO CHAPLIN, INC. — 3845 — NEW MEXICO — SUBMITTED BY: F. FRIGERIO

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

DHEW
5401 WEST BARD AVENUE
WASHINGTON D.C. 20016

ROFEC
1114 COMMERCE STREET
DALLAS TEXAS 75202

PROJECT
DATE
DRAWN
CHECKED B.F.
APPROVED
REVISIONS:

ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

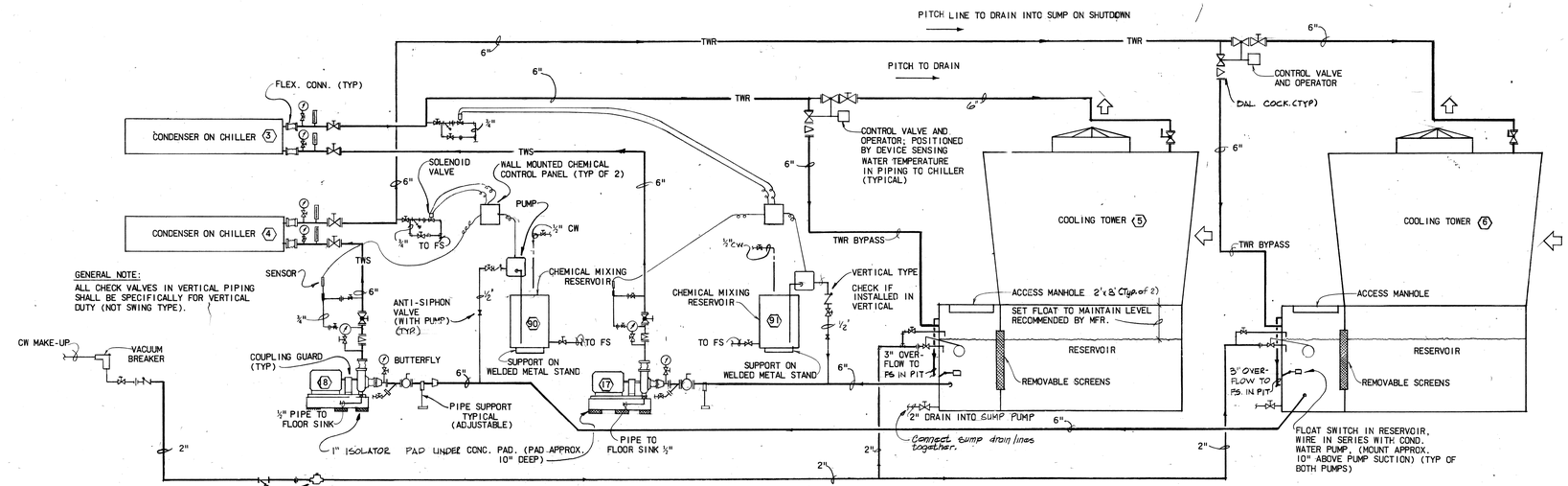
HEATING WATER FLOW DIAGRAMS

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN, INC.
ARCHITECTS — ENGINEERS — PLANNERS
A SUBSIDIARY OF SOUTHWEST FOREST INDUSTRIES
2000 INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87106

CRS
CAUDILL ROWLETT SCOTT

PROJ 72-022
DATE 5-29-73

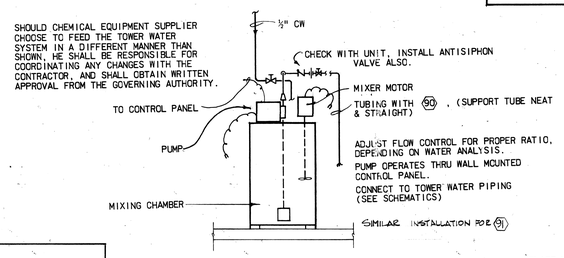
M 20
OF



GENERAL NOTE:
ALL CHECK VALVES IN VERTICAL PIPING SHALL BE SPECIFICALLY FOR VERTICAL DUTY (NOT SWING TYPE).

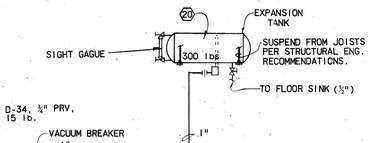
CONDENSER WATER FLOW DIAGRAM

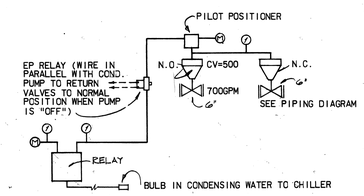
NOT TO SCALE



FEED PUMP 90 DETAIL

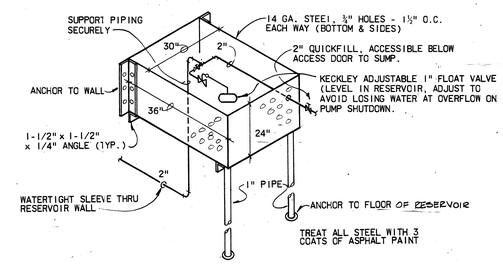
NOT TO SCALE





CONDENSING WATER CONTROL

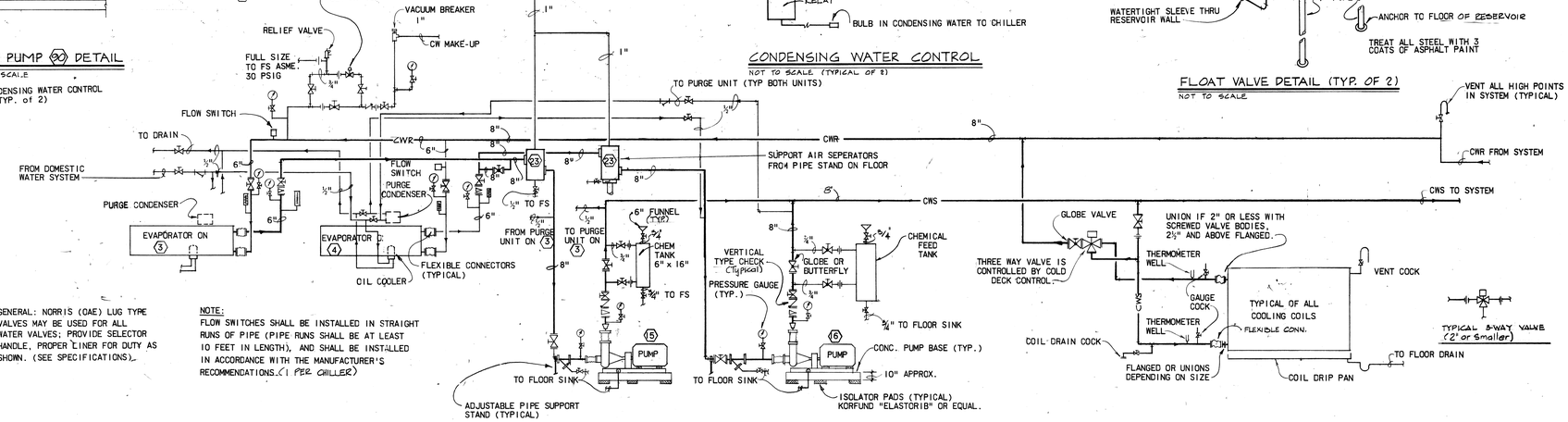
NOT TO SCALE (TYPICAL OF 2)



FLOAT VALVE DETAIL (TYP. OF 2)

NOT TO SCALE

SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—··—	DOMESTIC COLD WATER	PIV	POST INDICATOR VALVE
—··—	DOMESTIC HOT WATER (Temperature as shown)	BD	BALANCING DAMPER
—··—	RECIRCULATING HOT WATER	PS	PITOT STATION
—··—	VENT PIPING	BOP	BOTTOM OF PIPE ELEVATION
—S—	SOIL OR WASTE PIPING	FA	FRESH AIR
—FP—	FIRE PROTECTION LINE	RA	RETURN AIR
—RD—	ROOF DRAIN LEADER	—FOS—	FUEL OIL SUPPLY
—LPG—	LIQUIFIED PETROLEUM GAS	—FOR—	FUEL OIL RETURN
—D—	GRAVITY DRAIN LINE	—BD—	BLOWDOWN
—VAC—	VACUUM PIPING	—BFW—	BOILER FEED WATER
—CA—	COMPRESSED AIR	—CHEM—	CHEMICAL FEED
—CWS—	CIRCULATING CHILLED WATER SUPPLY		GATE VALVE
—CWR—	CIRCULATING CHILLED WATER RETURN		GLOBE VALVE
—HWS—	HEATING WATER SUPPLY	—HPC—	HIGH PRESSURE CONDENSATE
—HWR—	HEATING WATER RETURN		CONTROL VALVE
—LPST—	LOW PRESSURE STEAM		CHECK VALVE
—HPST—	HIGH PRESSURE STEAM		SQUARE HEAD BALANCING COCK
—PC—	PUMPED CONDENSATE PIPING		ANGLE VALVE
—C—	CONDENSATE PIPING	H	HUMIDISTAT
—O_2—	OXYGEN PIPING - 50 PSIG		WYE STRAINER
NC	NORMALLY CLOSED		FLEXIBLE CONNECTOR
NO	NORMALLY OPEN		REDUCERS
VTR	VENT THRU ROOF		UNION
FCO	FLOOR CLEANOUT		FLANGED CONNECTION
CO	CLEANOUT		DROP IN PIPING
WCO	WALL CLEANOUT		RISE IN PIPING
NIC	NOT IN CONTRACT		DROP IN PIPING
NTS	NOT TO SCALE		PRESSURE GAUGE
HB	HOSE BIBB		THERMOMETER
WH	WALL HYDRANT		SUPPLY DUCT, SECTION
FS	FLOOR SINK		RETURN DUCT, SECTION
FD	FLOOR DRAIN		ADJUSTABLE EXTRACTOR
CFM	CUBIC FEET PER MINUTE		ADJUSTABLE SPLITTER DAMPER
GPM	GALLONS PER MINUTE		TURNING VANES
PSI	POUNDS PER SQUARE INCH		EXHAUST OR RETURN AIR
EWT	ENTERING WATER TEMPERATURE		SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	T	THERMOSTAT
MPST	MEDIUM PRESSURE STEAM		DOOR LOUVER



GENERAL: NORRIS (OAE) LUG TYPE VALVES MAY BE USED FOR ALL WATER VALVES; PROVIDE SELECTOR HANDLE, PROPER LINER FOR DUTY AS SHOWN. (SEE SPECIFICATIONS).

NOTE:
FLOW SWITCHES SHALL BE INSTALLED IN STRAIGHT RUNS OF PIPE (PIPE RUNS SHALL BE AT LEAST 10 FEET IN LENGTH), AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. (1 PER CHILLER)

CHILLED WATER PIPING SCHEMATIC

NOT TO SCALE

REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.

REGISTERED PROFESSIONAL ENGINEER — MECHANICAL ENGINEER — 3845 — NEW MEXICO — ROBERT E. CHAMBERS

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

DHEW
5401 WEST BARD AVENUE
WASHINGTON D. C. 20016

ROFEC
1114 COMMERCE STREET
DALLAS TEXAS 75202

PROJECT
DATE
DRAWN
CHECKED B.F.
APPROVED
REVISIONS:

ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

COOLING WATER FLOW DIAGRAMS

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN, INC.
ARCHITECTS — ENGINEERS — PLANNERS
A SUBSIDIARY OF SOUTHWEST FOREST INDUSTRIES
3500 INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87106

CRS
CAUDILL ROWLETT SCOTT

PROJ 72-022
DATE 5-29-73

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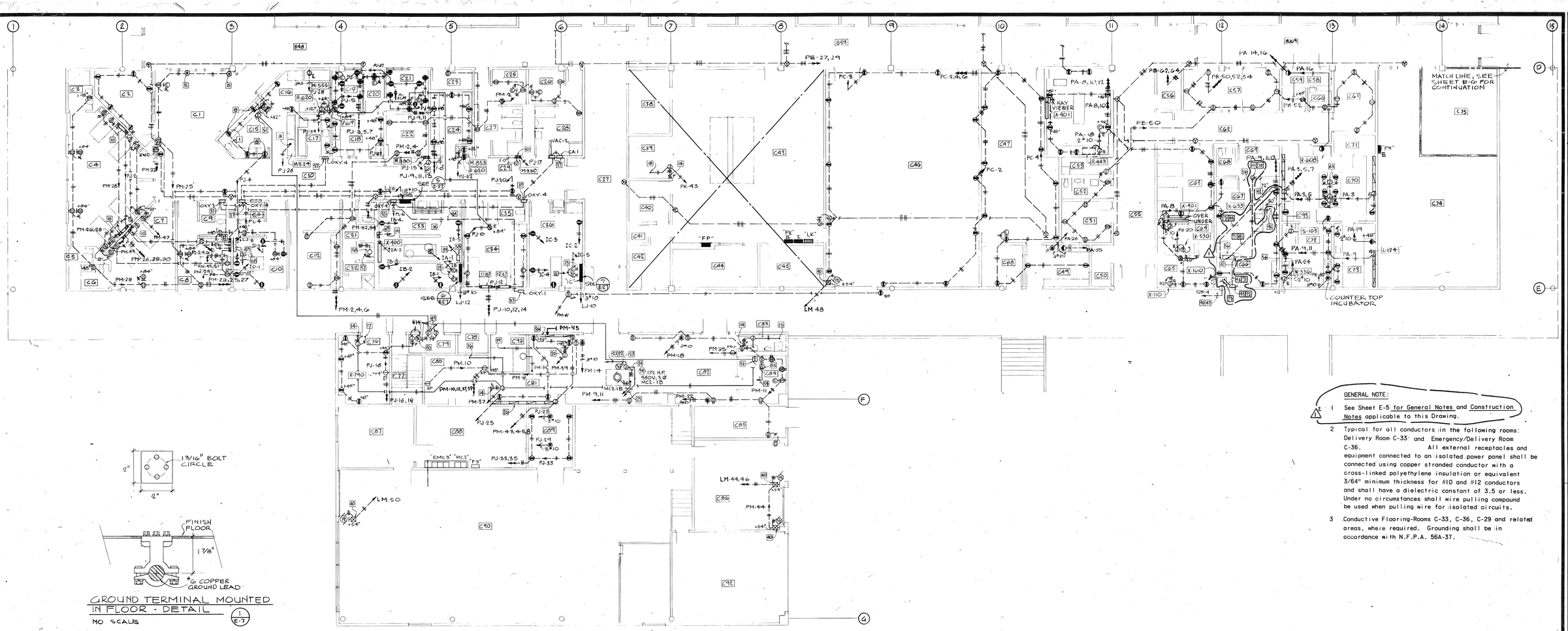
OF

72-120



GROUND TERMINAL MOUNTED IN FLOOR - DETAIL (1 / E-7)

NO SCALE

POWER FLOOR PLAN - UNIT C (5, 5a)

1/8"=1'-0"

GENERAL NOTE:

1 See Sheet E-5 for General Notes and Construction Notes applicable to this Drawing.

2 Typical for all conductors in the following rooms: Delivery Room C-33 and Emergency/Delivery Room C-36. All external receptacles and equipment connected to an isolated power panel shall be connected using copper stranded conductor with a cross-linked polyethylene insulation or equivalent 3/64" minimum thickness for #10 and #12 conductors and shall have a dielectric constant of 3.5 or less. Under no circumstances shall wire pulling compound be used when pulling wire for isolated circuits.

3 Conductive Flooring-Rooms C-33, C-36, C-29 and related areas, where required. Grounding shall be in accordance with N.F.P.A. 56A-37.

REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.
2	1-21-82	1-2	AS BUILT PER CONTRACTOR'S MARK UP	AEI	REM
1	7-16-79		INSTALL NEW X-RAY UNIT	AEI	REM

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

DHEW
5401 WEST BARD AVENUE
WASHINGTON D.C. 20210

ROFEC
1114 COMMERCE STREET
DALLAS TEXAS 75202

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — No. 1003

APPROVED: ARCHITECTURAL NA | STRUCTURAL NA | MECHANICAL NA | ELECTRICAL CV

PROJECT
DATE
DRAWN D.C.
CHECKED D.P.
APPROVED
REVISIONS:

ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

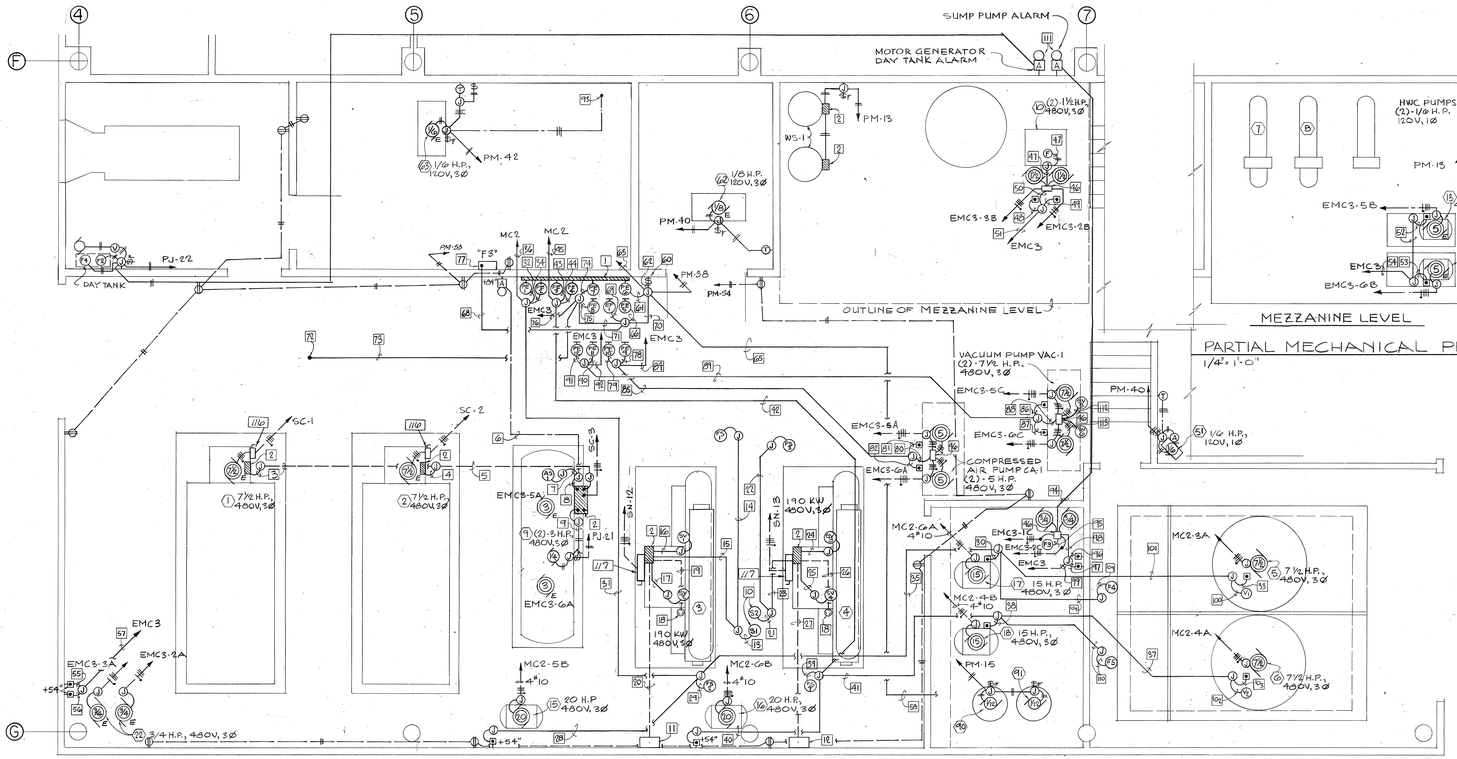
POWER FLOOR PLAN UNIT-C

CHAMBERS - CAMPBELL ISAACSON - CHAPLIN, INC.
ARCHITECTS - ENGINEERS - PLANNERS
A CORPORATION OF CONSULTING ENGINEERS
3700 MONTGOMERY BLVD. NE - ALBUQUERQUE, N.M. 87109

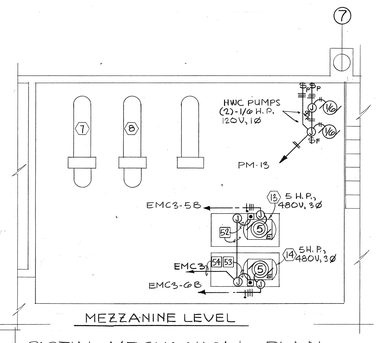
CRS
CAUDILL ROWLETT SCOTT

PROJ 72-022
DATE 5-29-73

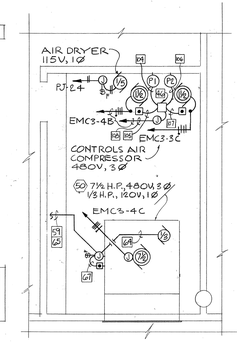
E 7
OF



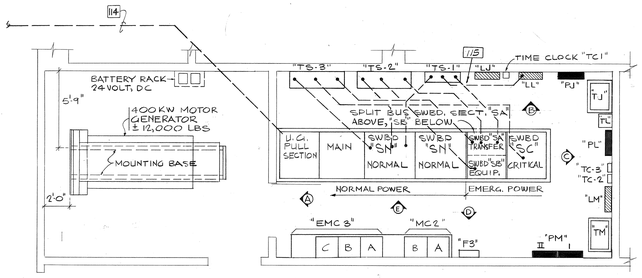
MECHANICAL/ELECTRICAL PLAN - UNIT C
1/4"=1'-0"



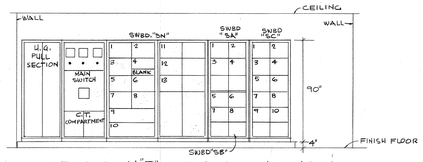
MEZZANINE LEVEL
PARTIAL MECHANICAL PLAN
1/4"=1'-0"



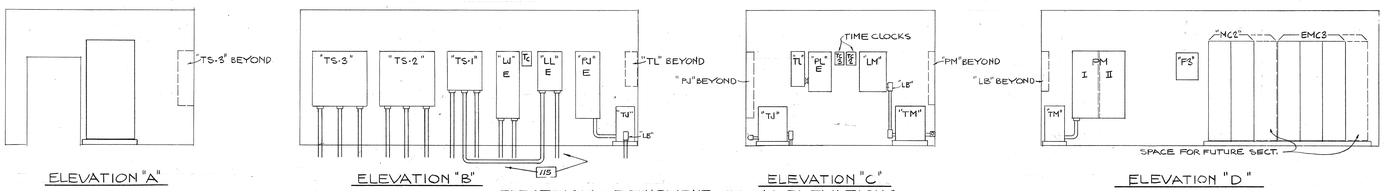
PARTIAL PLAN OF PLATFORM ABOVE PUMP PIT
1/4"=1'-0"



ROOM C-88

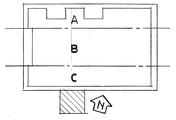


ELEVATION "E" BUILDING SWITCHBOARDS
NO SCALE



ELEVATION "A" ELEVATION "B" ELEVATION "C" ELEVATION "D"

ELECTRICAL EQUIPMENT ROOM ELEVATIONS
1/4"=1'-0"



116 Disconnect switch, 30 amp, 600 volt, 3 pole, fusible, Nema 1 enclosure, horse power rated. Fuse at 15 amps with Buss fusetrons. Mount on unit to miss access panels.

117 Disconnect switch,400 amp, 600 volt, 3 pole, fusible, Nema 1 enclosure, horsepower rated. Fuse at 250 amps with Buss fusetrons. Mount on unit to miss access panels.

50 6 #14 control conductors No. 55,56,57,62,60 & 61.
51 4 #14 control conductors No. 55,57,60 & 62
52 2 #14 control conductors No. 63 & 64.
53 2 #14 control conductors No. 65 & 66.
54 4 #14 control conductors No. 63,64,65 & 66.
55 2 #14 control conductors No. 67 & 68.
56 2 #14 control conductors No. 69 & 70.
57 4 #14 control conductors No. 67,68,69 & 70.
58 See Partial Plan of Platform for continuation.
59 See Mechanical/Electrical Floor Plan for continuation.
60 Hand-off- auto selector switch to control Spray pump in Unit 50 . Mount adjacent to thermostat controlling Unit 50 .
61 2 #12 control conductors No. 78 & 79.
62 3 #12 conductors No. 77,78 & 79.
63 2 #12 and 5 #14 control conductors No. 76 & 77 and 71,72, 74,27 & 28.
64 2 #12 control conductors No. 78 & N4.
65 2 #12 & 2 #14 control conductos No. 78,N4 and 71,73.
66 2 #14 control conductors No. 71 & 72.
67 2 #14 control conductors No. 71 & 73
68 6 #14 control conductors No. 73,74,82,83,86 & 87.
69 2 #14 control conductors No. 27 & 28.
70 6 #14 control conductors No. 71,72,73,74,27 & 28.
71 4 #14 control conductors No. 82,83,86,87.
72 Up to Exhaust Fan 60 located on roof. See Sheet E-14 for continuation.
73 4 #14 control conductors No. 80,82,84 & 86.
74 2 #14 control conductors No. 80 & 81.
75 2 #14 control conductors No. 84 & 85.
76 6 #14 control conductors No. 80,81,83,84,85,87.
77 Fire Alarm Relay Cabinet. See Fire Alarm Riser Sheet E-22 for description. Mount adjacent to Motor Control Centers up 5'-0" to bottom.
78 2 #14 control conductors No. 88 & 89.
79 2 #14 control conductors No. 92 & 93.
80 4 #14 control conductors No. 89,90,93,94.
81 2 #14 control conductors No. 90 & 91.
82 2 #14 control conductors No. 94 & 95.
83
84 4 #14 control conductors No. 88,91,92,95.
85 4 #14 control conductors No. 89,90 ,93,94
86 2 #14 control conductors No. 103 & 104.
87 2 #14 control conductors No. 107 & 108.
88 8 #14 control conductors No. 102,103,106,107,104,N6, 108,N8
89 8 #14 control conductors No. 102,103,104,106,107,108. N6,N8
90 2 #14 control conductors No. 101 & 102.
91 2 #14 control conductors No. 105 & 106.
92 8 #14 control conductors No. 101,104,105,108, N6, N8, 107, 106.
93 Up to Exhaust Fan 44 on roof. See Sheet E-14 for continuation.
94 2 #14 control conductors No. 75 & 96.
95 2 #14 control conductors No. 112 & 113.
96 2 #14 control conductors No. 110 & 111.
97 2 #14 control conductors No. 115 & 116.
98 4 #14 control conductors No. 109, 110,114,115.
99 4 #14 control conductors No. 109,111,114,116.
100 2 #14 control conductors No. 237 & 26.
101 2 #14 control conductors No. 24 & 26.
102 2 #14 control conductors No. 238 & 54.
103 2 #14 control conductors No. 52 & 238.
104 2 #14 control conductors No.239 & 240.
105 2 #14 control conductors No. 241 & 242.
106 2 #14 control conductors No. 243 & 244.
107 2 #14 control conductors No. 245 & 246.
108 4 #14 control conductors No. 239,242,243,246.
109 2 #14 control conductors No. 20 & 250.
110 2 #14 control conductors No. 48 & 251.
111 Label alarm bells as noted.
112 2 #14 control conductors No. 104 & N6
113 2 #14 control conductors No. 108 & N8
114 5 runs each-4#500 MCM THW, and 1#3 in. 4" concrete encased cement asbestos dust. See sheet E-1 for continuation.
115 See Power Riser Diagram, Sheet E-16, for conductor and conduit sizes.

GENERAL NOTES:

1 All conduit ¾" minimum unless otherwise noted on the Drawings or in the Specifications.
2 All conductors shall have THW insulation unless otherwise noted on the Drawing or in the Specifications.
3 Separate equipment grounding conductors shall be provided with all feeders, all 277V or 480V branch circuits, and in all surface or flexible raceway. Equipment grounding conductor shall be full size unless otherwise noted on the Drawing or in the Specifications.
4 All conductors shall be No. 12 A.W.G. minimum unless otherwise noted on the Drawings or in the Specifications.

CONSTRUCTION NOTES:

1 8'x4'x¾" plywood terminal board up 4'-0" to bottom for mounting mechanical EP & 03 Relays.
2 Control Panel on Unit.
3 2#14 control conductors No. 4 & 5.
4 2 #14 control conductors No. 13 & 14.
5 4 #14 control conductors No. 4,5,13 & 14
6 2 #14 control conductors No. 9 & 10.
7 3 #14 control conductors No. 6,7 & 8.
8 5 #14 control conductors No. 6,7,8,9 & 10.
9 2 #14 control conductors No. 11 & 12.
10 Sensor in Chilled Water Return by Mechanical
11 Wall mounted starter Panel (M) for Chiller 3
12 Wall mounted starter Panel (M) for Chiller 4
13 2 #14 control conductors No. H2 & 1.
14 2 #14 control conductors No. 1 & 2.
15 2 #14 control conductors No. H2 & 2.
16 2 #14 control conductors No. 8 & N2.
17 2 #14 control conductors No. 9 & N2.
18 Receptacle (M) mounted on Purge Unit.
19 3 #12 control conductors No. 3,4 & 5.
20 12 #14 control conductors No. 3,6,7,8,10,11,12,13, 14,15,16 & 17.
21 2 #14 control conductors No. H3 & 29.
22 2 #14 control conductors No. 29 & 30.
23 2 #14 control conductors No. H3 & 30.
24 2 #14 control conductors No. 36 & N3.
25 2 #14 control conductors No. 37 & N3.
26 3 #12 control conductors No. 31,32 & 33.
27 12 #14 control conductors No. 31,34,35,36,38,39,40, 41,42,43,44,45.
28 2 #14 control conductors No. 18 & 19.
29 2 #14 control conductors No. 22 & 23
30 2 #14 control conductors No. 21 & 250.
31 8 #14 control conductors No. 20,21,22,23, 24, 26, 18 & 19
32 2 #14 control conductors No. 20 & 23.
33 2 #14 control conductors No. 24 & 237.
34 2 #14 control conductors No. 24 & 25
35 4 #14 control conductors No. 20,21,24 & 26.
36 8 # 14 control conductors No. 18,19,20,21,22,24, 25 & 26.
37 2 #14 control conductors No. 52 & 54.
38 2 #14 control conductors No. 251& 51.
39 2 #14 control conductors No. 49 & 50.
40 2 # 14 control conductors No. 46 & 47.
41 4 #14 control conductors No. 48,51,52 & 54.
42 8 #14 control conductors No. 46,47,48,49,50,51, 52 & 54.
43 2 #14 control conductors No. 49 & 50.
44 2 #14 control conductors Nol 52 & 53.
45 8 #14 control conductors No. 46,47,48,51,52,53,54,49
46 Mechanical Alternator (M) on unit.
47 2 #14 control conductors No. 58 & 59.
48 2 #14 control conductors No. 56 & 57.
49 2 #14 control conductors No. 61 & 62.

PROJECT
DATE
DRAWN
CHECKED
APPROVED
REVISIONS:

ZUNI COMPREHENSIVE COMMUNITY HEALTH CENTER
ZUNI, NEW MEXICO

POWER-MECHANICAL & ELECTRICAL ROOMS FLOOR PLANS

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN, INC.
ARCHITECTS — ENGINEERS — PLANNERS
A SUBSIDIARY OF SOUTHWEST FOREST INDUSTRIES
STONY INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87110

CRS
CAUDILL ROWLETT SCOTT

REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 1083 JOHN POWELL 12-49

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

DHEW
5401 WEST BARD AVENUE
WASHINGTON D.C. 20016

ROFEC
1114 COMMERCE STREET
DALLAS TEXAS 75202

PROJ 72-022
DATE
E 12
OF

Panel "PA" 120/208V,3φ, 4 wire, S.N. Surface mount, 225 Amp Buss 10,000 A.I.C. minimum breaker - Emergency - Critical 125A-3P Main Breakers

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1,31,33	
1Px20A	Receptacles	2 thru 16,27,29	
1Px20A	Telephone Bd.	21,23	Rm B-107
1Px20A	Spare	17,35,39,41	
1Px20A	Medi-prep	25	Rm B-71
1Px20A	Exam Lights	37	Rm C-54,B-69
1Px20A	Unit Htr. (52)	34	Pentnouse - east
1Px20A	Condensate Pumps (87)	36,38	Pentnouse - east
1Px30A	Transfer Cabinet	19	
1Px30A	Ice Station	18	
1Px30A	Washer	24	
2Px30A	Auto Film Processor	20	
2Px30	Dryer	26	
2Px30	Vacuum Pump	30	
2Px30	Counter Top Incubator	40	Rm C-72
1Px20	Dental Gas	41	

Panel "PB" 120/208V, 3φ, 4 wire, solid neutral, surface mount, two section 225 Amp Buss 225 Amp sub-feed lugs, 10,000 A.I.C. minimum breaker - Normal Power 200A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1,77	
1Px20A	Receptacles	2 thru 56,62,65, 67,69	
1Px20A	E.W.C.	71,73	
1Px20A	Dental Exam Lights	61,63	Rm A-6,A-11
1Px20A	Dental X-ray Units	75	
1Px20A	Spaces	83 thru 84	
2Px20A	Receptacle	57,58,64	
2Px30A	Xerox	68	Rm A-20
2Px30A	Space Only	72	
2Px50A	Receptacle	76	
1Px20A	DENTAL X-RAY	79 thru 82	

Panel "PC" 120/208V, 3φ, 4 wire, S.N., surface mount, 225 Amp Buss 10,000 A.I.C. minimum breaker - Emergency - Critical 80A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1	
1Px20A	Receptacles	3,5,7,2,4,6,8,10,12	
1Px20A	Distilled Water Center	13	
1Px20A	Clean Work Station	15	
1Px20A	Sterilizer (controls)	17	
1Px20A	Universal Washer (controls)	16	
1Px20A	Doctors Dictation	18	
1Px20A	Spares	20 thru 24	
1Px20A	Telephone Bd.	9,11	Rm B-61
1Px20A	Mechanical Retrieval	19, 25-30	
1Px30A	Instrument Washer Ster'r	14	
1Px20A	Spaces	32 34,35,36	
1Px20A	Pump (97)	31,33	G.F.C.I.

Panel "PE" 120/208V, 3φ, 4 wire, S.N., surface mount, 225 Amp Buss , 10,000 A.I.C. minimum breaker - Normal Power 60A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1,3,23	
1Px20A	Receptacles	2,4 thru 14,24,25, 27,16,17,18	
1Px20A	E.W.C.	26	
1Px20A	Spares	33,35,15 ,30,34,36	
1Px20A	Spaces		
1Px30A	Dental Vacuum Pump VAC-3	32	¾ H.P.
2Px20A	Receptacle	19,20,	
3Px20A	STERILIZER	28,29	

Panel "PF" 120/208V,3φ, 4 wire, S.N.Surface mount,225 Amp Buss 10,000 A.I.C. minimum breakers - Emergency - Critical 150A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1,14,16,37	
1Px20A	Receptacles	2 thru 8,10,11,13, 15,17,19,21,35,38	
1Px20A	Refrigerator	12	
1Px20A	Medi-prep Station	9	
1Px20A	Unit Heater (52)	32	½ H.P.
1Px20A	Condensate Pumps (88)	34,36	
1Px20A	Nurse Call Master Panel	18	
1Px20A	Space	40-42	
1Px20A	Telephone	31,33	
2Px30A	Receptacle - Dining	23,24,27,28	
2Px50A	Nourishment Station	20	
1Px20A	Heart Monitor	39	

Panel "PH" 120/208V, 3φ, 4 wire, S. N. two section, surface mount 225 Amp Buss 10,000 A.I.C. minimum breakers - Normal Power 125A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1 thru 9,11,57,61	
1Px20A	Receptacles	10,12 thru 16,18 thru 30,32 thru 51, 53,55,56,59,63 thru 71,73,74,75,76,78	
1Px20A	E.W.C.	17,31	
1Px20A	Sitz Bath	62	G.F.C.I.
1Px20A	Spare	72,77	
1Px20A	Space	83,84	
1Px20A	Receptacle	79,81,80,82	G F C.I
2Px20A	Receptacles	52,58	

Panel "PJ" 120/208V, 3φ, 4 wire, S.N., surface mount, 225 Amp Buss., 10,000 A.I.C. minimum breakers - Emergency - Critical 125A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1,36	
1Px20A	Receptacles	2 thru 14,16,18,23, 20,32	
1Px20A	Conductometer	15,17	
1Px20A	Chemical Pump (12)	21	
1Px20A	Generator Fuel Supply Controls	22	
1Px20A	Air Dryer	24	
1Px20A	Medi-prep Station	26	
1Px20A	Telephone	33,35	
1Px20A	CONTROLS (CO)	19	
1Px20A	SPACE	38,40,41,42	
1Px20A	Refrigerator	34	
2Px30A	Telephone	25,29	
2Px50A	Nourishment Station	28	
1Px20A	Receptacle	37,39	

Panel "PK" 120/208V, 3φ, 4 wire, S. N., surface mount, floor to ceilingskirts, two section, 225 Amp Buss 10,000 A.I.C. minimum breaker, Emergency - Critical 175A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Receptacles	1,3,7,9,11,13,14,15, 17,18,18,20,45	
1Px20A	E.W.C.	16	
1Px20A	Ice Cream Dispenser	5	
1Px20A	Freezers	2,4	
1Px20A	Refrigerators	6,8,19	
1Px20A	Slicer	12	
1Px20A	Spares	22,25,48,53	
1Px20A	Spaces	49 thru 54	
1Px30A	Ice Machine/Bin	36	
1Px20A	Exhaust Fan (58)	43	
1Px20A	Chiller	47	
2Px30A	Receptacles	24,28,31,32,35	
2Px40A	Panel "FP"	44	Feed thru Mechanical Contractor
3Px20A	Coffee Urn	40	

Panel "FP" 120/208V, 1φ, 3 wire, S.N., surface mount, 100 Amp Buss 10,000 A.I.C. minimum breaker, floor and ceiling skirts, Emergency - Critical 40A-2P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	K9 & K11	1	Gas Solenoid Shutoff Valves
1Px20A	Oven K12	3	
1Px20A	Hood Lignts	4	
1Px20A	Fire Protection System	5	
1Px20A	Spare	2	
1Px20A	Spaces	6,7,8	

Panel "PL" 120/208V, 3φ, 4 wire, S.N., surface mount, 100 Amp Buss , 10,000 A.I.C. minimum breaker - Emergency - Life Safety 50A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1	
1Px20A	Paging System	2	
1Px20A	Oxygen Alarms	4,6	
1Px20A	Spares	3,5	
1Px20A	Spaces	7,9,11,8,10,12	

Panel "PM" 120/208V, 3φ, 4 wire, S.N., surface mount, two section, 400 Amp Buss 10,000 A.I.C. minimum breaker - Normal Power 150A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Lighting	1,3,5,7,19	
1Px20A	Receptacles	2,4,6,8,9,10,11,12, 21,23 thru 30,32, 43,45,47,49,51	
1Px20A	H.W.C. Pumps	13	
1Px20A	Chemical Pumps	15	
1Px20A	Unit Heater	17	
1Px20A	E.W.C.	33,35	
1Px20A	Exhaust Fans (42), (43), (57),	37	
1Px20A	Spray Pump (50)	38	
1Px20A	Exhaust Fan (59)	39	
1Px20A	Fan Coil (62) & Unit Heater (51)	40	
1Px20A	Fan Coil (63) & Exhaust Fan (44)	42	
1Px20A	Overhead Doors	44,46,48,50	
1Px20A	Spares	31,52,53,54,41	
1Px20A	Space	55 thru 60	
2Px20A	Receptacle	34	
2Px30A	Receptacle	14,18,22	
1Px20A	Receptacle	41	G.F.C.I.

Panel "PN" 120-208V, 3φ,4 wire, S.N., surface mount, floor and ceiling skirts, 225 Amp Buss 10,000 A.I.C. minimum breakers, Emergency - Critical 70A-3P Main Breaker

BREAKER	LOAD	CIRCUIT NOS.	REMARKS
1Px20A	Spaces	1 thru 24	

NOTE: G.F.C.I. indicates ground fault circuit interrupting type circuit breaker.
G.E. #THQL1120GF,O.A.E.

REV.	DATE	ACTION	DESCRIPTION	BY	APP'D.
	3-16-83		AS BUILT NEW BOILER	CPMA	CPMA
1	6-23-81		ADDED NEW BOILER (NW)	CMA	CMA

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 1063 W. DEAN POWELL 7-29

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
FACILITIES ENGINEERING AND CONSTRUCTION AGENCY

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WASHINGTON D. C. 20016

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ZUNI, NEW MEXICO

PANEL SCHEDULES

CHAMBERS – CAMPBELL
ISAACSON – CHAPLIN, INC.
ARCHITECTS – ENGINEERS – PLANNERS
A SUBSIDIARY OF SOUTHWEST FOREST INDUSTRIES
3500 INDIAN SCHOOL RD. N.E. ALBUQUERQUE, N.M. 87106

CRS
CAUDILL
ROWLETT
SCOTT

PROJ 72-022
DATE 5-29-73

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OF

Switchboard "SA" & "SB" 277/480V, 3Φ, 4 wire, split buss construction with "SA" on top and "SB" on bottom, 100% Neutral buss, 50% Equipment Grounding buss. "SA" shall have 600 Amp M.L.O. "SB" shall have 400 Amp M.L.O. Nema Class III. 30,000 A.I.C. minimum breaker.

"SA" (ABOVE)

BREAKER	LOAD	CIRCUIT No.	REMARKS
3PX125A	Panel "LL" thru "TS-1"	1	
3PX125A	Space	2	
3PX400A	SWBD "SB" thru "TS-2"	3	
3PX600A	SWBD "SC" thru "TS-3"	4	

"SB" (BELOW)

BREAKER	LOAD	CIRCUIT No.	REMARKS
3Px125A	Motor Control Center "EMC3"	1	
3Px125A	Space	2	
3Px125A	Motor Control Center "EMC1"	3	
3Px125A	Motor Control Center "EMC2"	4	

Switch board "SC" 277/480V, 3Φ, 4 wire, 100% neutral bus, 50% equipment grounding buss, 800 amp M.L.O. Nema class III. 25,000A.I.C. minimum breaker.

BREAKERS	LOAD	CIRCUIT NO.	REMARKS
3Px30A	Boiler 1	1	
3Px30A	Boiler 2	2	
3Px30A	Feed Water Pumps 9	3	
3Px100A	Space	4	
3Px100A	Panel "LC"	5	
3Px100A	Panel "LK"	6	
3Px100A	Panel "LF"	7	
3Px100A	Panel "LJ"	8	
3Px150A	Panel "LA"	9	
3Px100A	Space	10	

Switchboard "SN", 277/480V- 3Φ, 4 wire, 50% Neutral buss, 50% equipment grounding buss, 2500 Amp buss, 2500 Amp main breaker with ground fault protection. Nema Class III 30,000 A.I.C. minimum breaker.

BREAKERS	LOAD	CIRCUIT NO.	REMARKS
3Px70A	Motor Control Center "MC1"	1	Ground Fault Protection
3Px125A	Panel "LL" thru "TS-1"	2	Ground Fault Protection
3Px125A	Panel "LE"	3	Ground Fault Protection
2Px100A	Radiographic Unit	4	Ground Fault Protection
IP	Blank		
3Px125A	Panel "LH"	5	Ground Fault Protection
3Px150A	Panel "LM"	6	Ground Fault Protection
3Px150A	Space	7	
3Px200A	Motor Control Center "MC2"	8	Ground Fault Protection
3Px250A	Panel "LB"	9	Ground Fault Protection
3Px450A	SWBD "SB" thru "TS-2"	10	Ground Fault Protection
3Px600A	SWBD "SC" thru "TS-3"	11	Ground Fault Protection
3Px400A	Chiller 3	12	Ground Fault Protection
3Px400A	Chiller 4	13	Ground Fault Protection

Panel "LA" 277/480V, 3Φ, 4 wire, S,N. surface mount, 225 Amp M.L.O., 14,000 A.I.C. minimum breaker. Emergency-Critical

BREAKERS	LOAD	CIRCUIT NO.	REMARKS
1Px20A	Lighting	1 thru 6	
1Px20A	Spaces	7 thru 12	
3Px30A	Transformer "TN"-15-KVA	15	Feeds Panel "PN"
3Px50A	Transformer "TA"-30-KVA	16	Feeds Panel "PA"

Panel "LB" 277/480V, 3Φ, 4 wire, S.N, surface mount, 225 Amp M.L.O., 14,000 A.I.C. minimum breaker. Normal Power

BREAKER	LOAD	CIRCUIT NO.'s	REMARKS
1Px20A	Lighting	1 thru 18,19 & 21	
1Px20A	Space only	20,22,23,24	
3Px70A	Transformer "TB"-45 KVA	27	Feeds Panel "PB"
3Px70A	Space only	28	

Panel "LC" 277/480V, 3Φ, 4 wire, S.N., surface mount., 225 Amp. M.L.O., 14,000 A.I.C. minimum breaker. Emergency-Critical

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1 thru 6	
1Px20A	Spares	7,9,11	
1Px20A	Spaces	8,10,12	
3Px20A	Sterilizer	15	
3Px15A	Universal Washer	16	
3Px30A	Transformer "TC"- 15KVA	21	Feeds PNL "PC"
3Px40A	Space only	22	Future (Fryer K16)

Panel "LE" 277/480V., 3Φ, 4 wire, S.N., surface mount., 225 Amp M.L.O., 14,000 A.I.C. minimum breaker-Normal Power

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1,3,5	
1Px20A	Spares	2,4,6	
1Px20A	Spaces	7,9,11	
3Px40A	Fryer K16-22KW	10	Thru fire protection contactor
3Px30A	Transformer "TE" 15 KVA	15	Feeds Panel "PE"
3Px40A	Fryer K16-22 KW	16	Thru fire protection contactor

Panel "LF" 277/480V., 3Φ, 4 wire, S.N., surface mount., 100 Amp M.L.O., 14,000 A.I.C. minimum breaker. Emergency-Critical

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1,2,3,5	
1Px20A	Spares	4,6	
3Px50A	Transformer "TF" 30KVA	9	Feeds Panel "PF"
3Px50A	Space only	10	

Panel "LH" 277/480V., 3Φ, 4 wire, S.N., surface mount, 225 Amp M.L.O., 14,000 A.I.C. minimum breaker-Normal Power.

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1,2,3,4,5	
12Px20A	Spare	6	
3Px 50A	Transformer "TH" 30KVA	9	Feeds Panel "PH"
3Px70A	Space only	10	

Panel "LJ" 277/480V., 3Φ, 4 wire, S.N., surface mount., 225 Amp M.L.O., 25,000 A.I.C. minimum breaker-Emergency-Critical

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1,2,3,4,5	
1Px20A	Spares	7,9,11	
1Px20A	Panel "IA" 3KVA	6	Isolation Panel
1Px20A	Panel "ID" 3KVA	8	Isolation Panel
1Px30A	Panel "IC" 5KVA	10	Isolation Panel
1Px30A	Panel "IB" 5KVA	12	Isolation Panel
3Px50A	Transformer "TJ" 30KVA	15	Feeds Panel "PJ"
3Px30A	Space only	16	
1Px20A	LPG. Vaporizer Controls	11	

Panel "LK" 277/480V., 3Φ, 4 wire, S.N., surface mount., 225 Amp M.L.O., 14,000 A.I.C. minimum breader-Emergency-Critical

Floor to ceiling skirts

BREAKERS	LOAD	CIRCUIT NO's.	REMARKS
3Px15	Disposer K25	1	1H.P.
3Px15	Disposer K26	2	1½ H.P.
3Px15	Dishwasher K34	3	1 H.P.
3Px15	Disposer K27	4	2 H.P.
3Px20	Space only	5&6	
3Px50	Transformer "TK" 30KVA	7	Feeds Panel "PK"
3Px50	Space only	8	

Panel "LL" 277/480V, 3Φ, 4 wire, S.N., surface mount., 225 Amp M.L.O., 25,000 A.I.C. minimum breaker, Emergency-Lifesafety

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1,3,5	
1Px20A	Exterior Lighting	2,4	Controlled by Time Clock TC1
1Px20A	Exit Lights	8,10	
1Px20A	Spare	6,12	
1Px20A	Spaces	7,9,11	
3Px30A	Transformer "TL" 15KVA	15	Feeds Panel "PL"
3Px30A	Space only	16	

Panel "LM" 277/480V., 3Φ, 4 wire, S.N., surface mount., 225 Amp M.L.O., 25,000 A.I.C., minimum breaker, Normal Power

BREAKER	LOAD	CIRCUIT NO's.	REMARKS
1Px20A	Lighting	1,3,5	
1Px20A	Exterior Lighting	2,4,6,8	Controlled by Time Clock "TC2"
1Px20A	Exterior Lighting-Parking lot	9,11	Controlled by Time Clock "TC3"
1Px20A	Spares	10,12,7	
3Px50A	Transformer "TM" 30 KVA	13	Feeds Panel "PM"
3Px50A	Space only	14	

TRANSFORMER SCHEDULE

ITEM	PRIMARY	SECONDARY	KVA	FED FROM	FEEDS	MOUNTING
TA	480v,3Φ,60hz	120/208v,3Φ,60hz	30	Panel "LA"	Panel "PA"	Wall
TB	480v,3Φ,60hz	120/208v,3Φ,60hz	45	Panel "LB"	Panel "PB"	Floor
TC	480v,3Φ,60hz	120/208v,3Φ,60hz	15	Panel "LC"	Panel "PC"	Wall
TE	480v,3Φ,60hz	120/208v,3Φ,60hz	15	Panel "LE"	Panel "PE"	Wall
TF	480v,3Φ,60hz	120/208v,3Φ,60hz	30	Panel "LF"	Panel "PF"	Wall
TH	480v,3Φ,60hz	120/208v,3Φ,60hz	30	Panel "LH"	Panel "PH"	Floor
TJ	480v,3Φ,60hz	120/208v,3Φ,60hz	30	Panel "LJ"	Panel "PJ"	Floor
TK	480v,3Φ,60hz	120/208v,3Φ,60hz	30	Panel "LK"	Panel "PK"	Wall
TL	480v,3Φ,60hz	120/208v,3Φ,60hz	15	Panel "LL"	Panel "PL"	Wall
TM	480v,3Φ,60hz	120/208v,3Φ,60hz	30	Panel "LM"	Panel "PM"	Floor
TN	480v,3Φ,60hz	120/208v,3Φ,60hz	15	Panel "LN"	Panel "PN"	Floor
TX	480v,1Φ,60hz	240v,1Φ	37.5	SWBD. "SN"	Radiographic Unit	Floor

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