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MECHANICAL & ELECTRICAL ENGINEERS
400 HENRIEY STREET, EUGENE, OREGON 97401

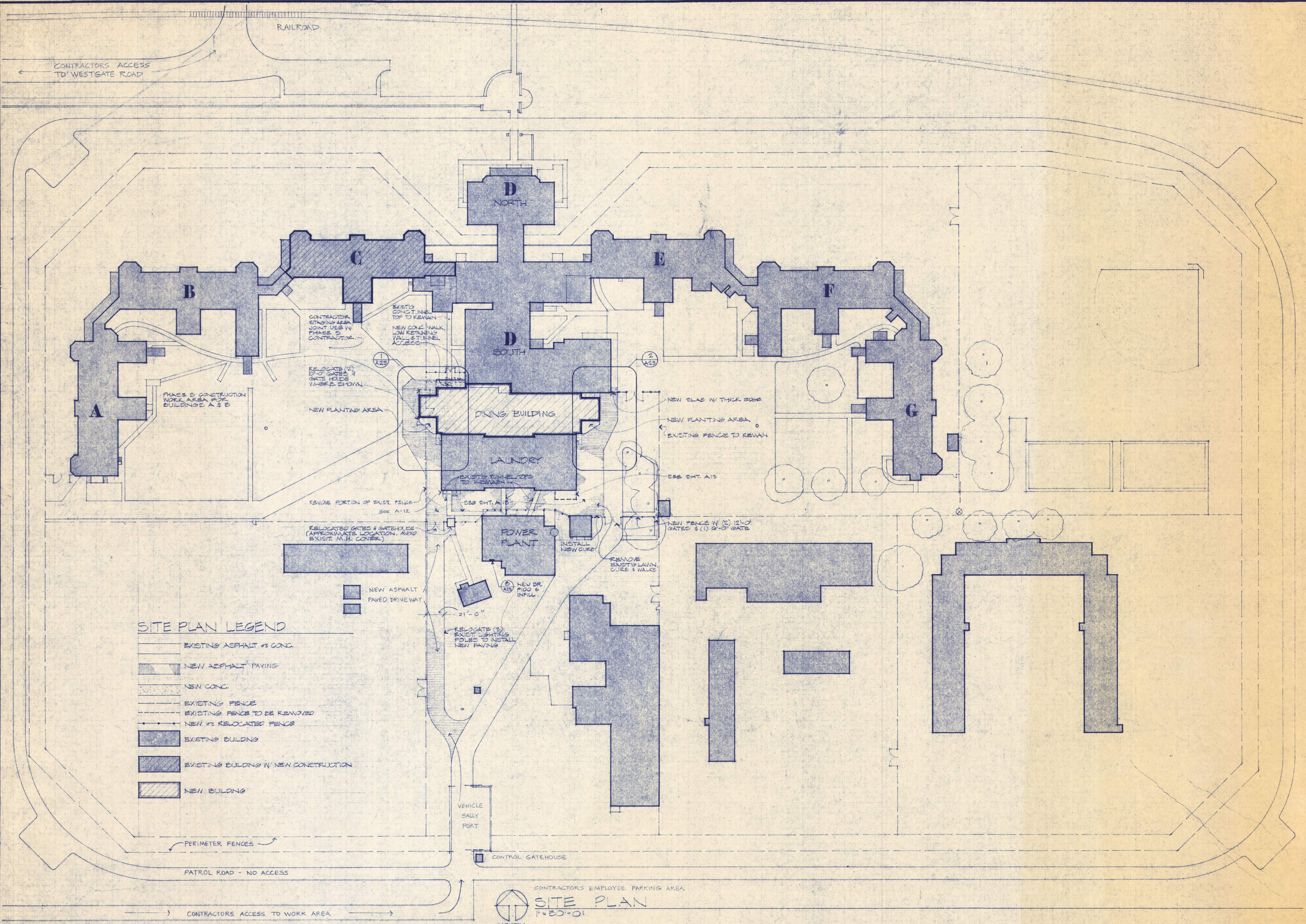
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECTS
1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
1888 S. W. LAUREL LEAF LANE, PORTLAND, OREGON 97225

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6
OREGON STATE CORRECTIONS DIVISION
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
DINING BUILDING

1225 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 228-1161
600 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3209



SITE PLAN LEGEND

- EXISTING ASPHALT or CONC.
- NEW ASPHALT PAVING
- NEW CONC.
- EXISTING FENCE
- EXISTING FENCE TO BE REMOVED
- NEW or RELOCATED FENCE
- EXISTING BUILDING
- EXISTING BUILDING W/ NEW CONSTRUCTION
- NEW BUILDING

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ABBREVIATIONS

Acou.	Acoustic	P.C.	Precast concrete.
B.U.	Built-up	PNL	Panel
Cm. Plast.	Cement plaster.	Q.T.	Quarry tile.
C.I.P.	Cast in place.	R.I.	Rigid insulation.
C.P.	Cement plaster.	R.O.	Rough opening.
C.M.U.	Concrete masonry unit.	S.S.	Stainless steel.
E.C.	Existing concrete.	S.V.	Sheet vinyl.
E.J.	Expansion joint.	T.O.	Top of.
E.W.	Each way.	Thres.	Threshold
F.B.O.	Furnished by owner. Installed by contractor.	W.T.	Water table.
FDN.	Foundation	V.P.	Veneer plaster.
F.E.C.	Fire extinguisher cabinet.		
FIB.	Fiber		
F.O.	Face of.		
F.O.C.	Face of concrete.		
F.O.M.	Face of masonry.		
F.P.	Fire proofing.		
F.R.T.	Fire retardant treated.		
H.M.	Hollow metal.		
JT.	Joint		
K.J.	Key joint.		
M.H.	Man hole.		

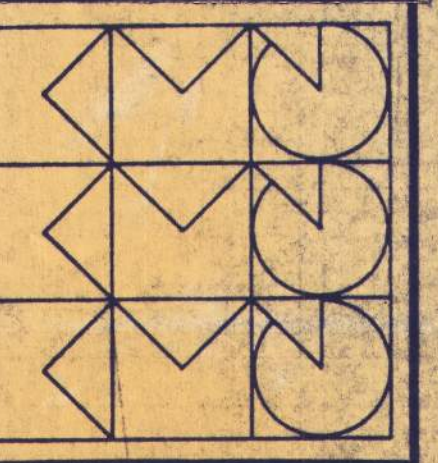
CROSS REFERENCES & SYMBOLS

- KEY: SIZE MAY VARY DETAIL NUMBER
- SHEET NUMBER
- BUILDING SECTION OR MAJOR CUT
- BUILDING ELEVATION, EXTERIOR
- INTERIOR ELEVATION
- DETAIL CUT
- DETAIL REFERENCE

LEGEND

- ROOM NUMBER
- DOOR NUMBER
- PLUMBING CHASE PANEL, SEE @ A11
- WINDOW TYPES, 'C' UNIT ONLY, SEE SHT. A-5
- PARTITION TYPES, 'C' UNIT ONLY, SEE SHT. A-5 SCHEDULE
- EXISTING LARGE OPENINGS TO BE CLOSED W/ REINFC. CONCRETE.
- EXISTING DOOR & FRAME TO REMAIN
- REMOVE EXISTING DOOR & FRAME & REPLACE WITH NEW.
- NEW DOOR & FRAME.
- BARTH
- GRAVEL
- NEW CONC.
- PRECAST CONC.
- NEW G.M.U.
- QUARRY TILE
- BATT INSULATION
- RIGID INSULATION
- RIGID FIBERGLASS INSULATION
- GYP. BD., PLASTER, GROUT, ETC. AS NOTED
- PLYWOOD
- FINISH WOOD
- EXISTING CONSTRUCTION

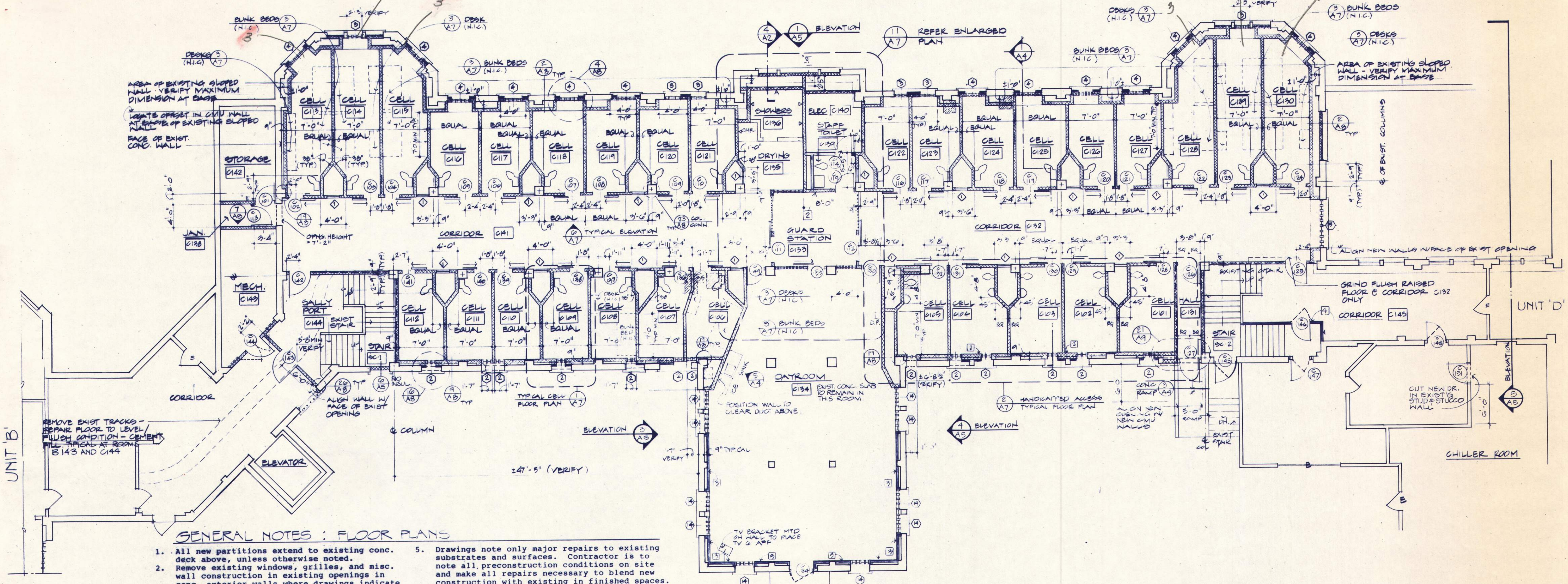
Ref. # 20 C2D2
Dining Building Phase 6
2/10/1988 EOCI



APPROVED
DRAWN B.S. JK
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JOB 8016

A1

3- C113, C115, C128, C130
4- C114, C129



GENERAL NOTES : FLOOR PLANS

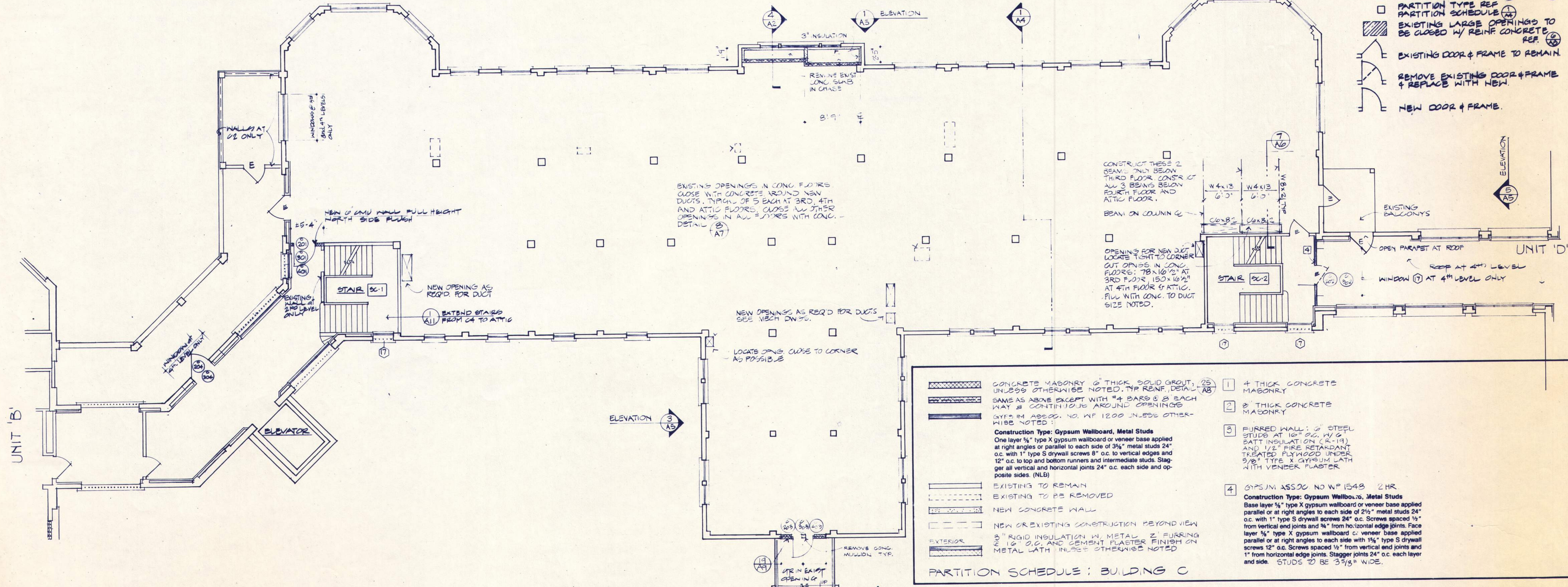
- All new partitions extend to existing conc. deck above, unless otherwise noted.
- Remove existing windows, grilles, and misc. wall construction in existing openings in conc. exterior walls where drawings indicate new windows or closed openings. Deliver existing grilles and windows to the owner.
- Close all openings in existing conc. floors not required in new work with 4 1/2" min. thick conc. Ref. Detail 8/A7. Drawings do not show all existing openings. Contractor to verify size, quantity and location of openings for repair.
- Patch spalled or missing conc. at existing columns and beams to match surrounding surface configuration.
- Drawings note only major repairs to existing substrates and surfaces. Contractor is to note all preconstruction conditions on site and make all repairs necessary to blend new construction with existing in finished spaces.
 - Plaster exposed surfaces of walls, ceilings, columns, beams where existing plaster is damaged or missing. Align with existing surfaces. Match existing surface textures.
 - Repair plaster and substrate where broken to adjoin new construction.
- Existing grilles and windows are to remain, where no new work is scheduled.
- Concrete block walls may not be constructed on caissons not less than four days after caissons are cast.
- Shore around all new openings cut in suspended concrete floors until beams or walls are constructed. Do not saw cut openings beyond the required dimensions.

C1 FLOOR PLAN
1/8" = 1'-0"

NOTE: REMOVE AND REPLACE CONC FLOOR SLAB SEE STRUCTURAL PLAN, SHEET A2.

SYMBOLS:

- ROOM NUMBER REFER FINISH SCHEDULE (SPECIFICATIONS)
- DOOR NUMBER REFER DOOR SCHEDULE (SPECIFICATIONS)
- ◇ PLUMBING CHASE PANEL REF. (S)
- ◇ WINDOW TYPE REFER EXTERIOR ELEVATIONS (A) THRU (M)
- PARTITION TYPE REFER PARTITION SCHEDULE (A) THRU (M)
- ▨ EXISTING LARGE OPENINGS TO BE CLOSED BY REINF. CONCRETE. REF. (S)
- ▤ EXISTING DOOR & FRAME TO REMAIN.
- ▥ REMOVE EXISTING DOOR & FRAME & REPLACE WITH NEW.
- ▧ NEW DOOR & FRAME.



PARTITION SCHEDULE : BUILDING C

	CONCRETE MASONRY 6" THICK, SOLID GROUT, 25 UNLBBS OTHERWISE NOTED. TOP REIN. DETAIL A8	1	4" THICK CONCRETE MASONRY
	CONSTRUCTION TYPE: Gypsum Wallboard, Metal Studs One layer 5/8" type X gypsum wallboard or veneer base applied at right angles or parallel to each side of 3/4" metal studs 24" o.c. with 1" type S drywall screws 8" o.c. to vertical edges and 12" o.c. to top and bottom runners and intermediate studs. Stagger all vertical and horizontal joints 24" o.c. each side and opposite sides. (N.B.)	2	2" THICK CONCRETE MASONRY
	EXISTING TO REMAIN	3	FURRED WALL: 2" STEEL STUDS AT 16" O.C. IN G. BATT INSULATION (R-19) AND 1/2" FIRE RETARDANT TREATED PLYWOOD UNDER 5/8" TYPE X GYPSUM LATH WITH VENER PLASTER
	EXISTING TO BE REMOVED	4	GYPSUM ASSOC. NO WP 1548 2 HR CONSTRUCTION TYPE: Gypsum Wallboard, Metal Studs Base layer 1/2" type X gypsum wallboard or veneer base applied parallel or at right angles to each side of 2 1/2" metal studs 24" o.c. with 1" type S drywall screws 24" o.c. Screws spaced 1/2" from vertical and joints and 1/4" from horizontal edge joints. Face layer 1/2" type X gypsum wallboard c. veneer base applied parallel or at right angles to each side with 1 1/2" type S drywall screws 12" o.c. Screws spaced 1/4" from vertical and joints and 1" from horizontal edge joints. Stagger joints 24" o.c. each layer and side. STUDS TO BE 3/4" WIDE.
	NEW CONCRETE WALL		
	NEW OR EXISTING CONSTRUCTION BEYOND VIEW		
	EXTERIOR 3" RIGID INSULATION W/ METAL Z. FURRING & 1/2" O.C. AND CEMENT PLASTER FINISH ON METAL LATH UNLESS OTHERWISE NOTED		

C2,3,4 FLOOR PLAN
1/8" = 1'-0"

NOTE: CONTRACTOR TO REPLACE ANY BROKEN GLASS IN EXISTING WINDOWS OF C2, C3, AND C4

BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
988 SW MARKET STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1937 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
400 S.W. THIRD AVE., PORTLAND, OREGON 97204

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
CORRECTIONS DIVISION
PENDLETON, OREGON

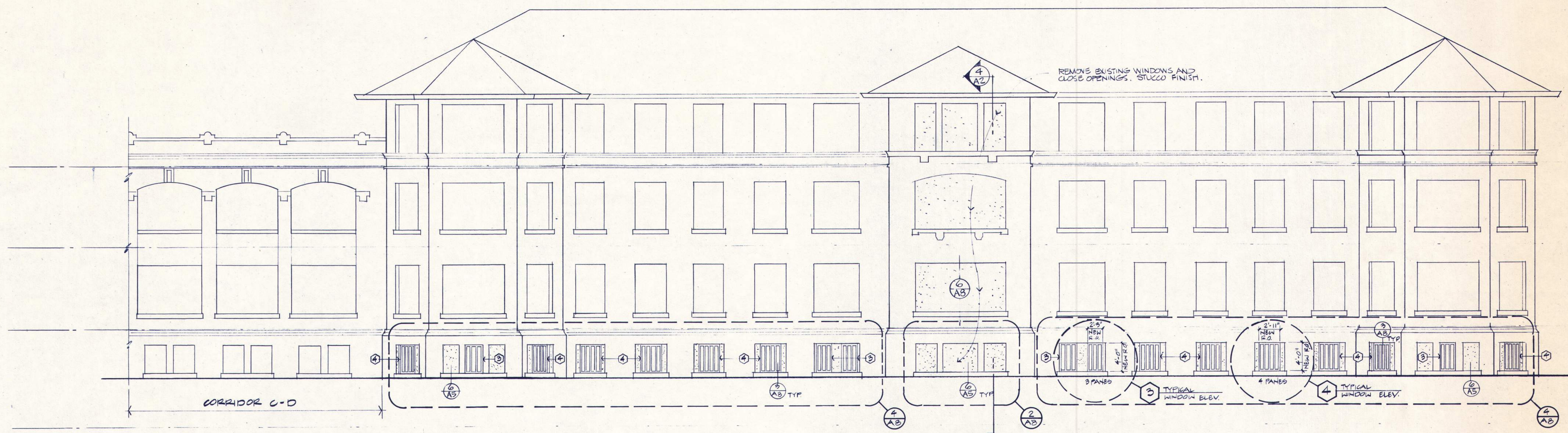
WEGROUP pc / ARCHITECTS & PLANNERS
122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 233-1181
865 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

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DRAWN DFP
DATE 2-10-88
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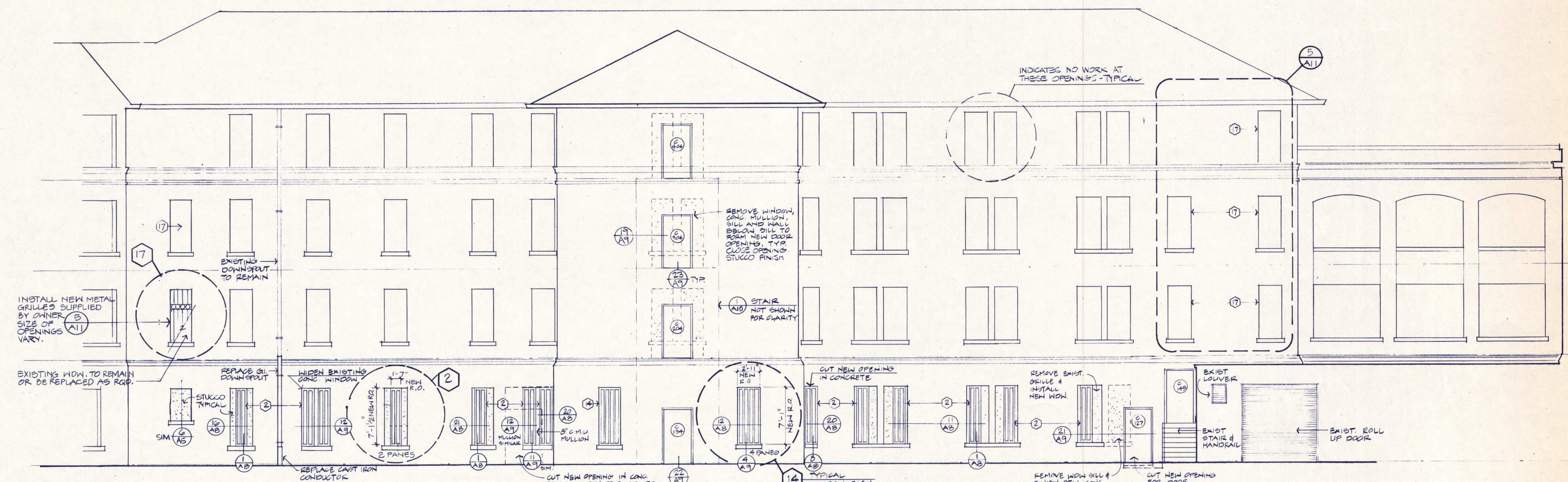
A3

T.B.



1 UNIT C: NORTH ELEVATION
 1/8" = 1'-0" REFER GENERAL NOTES

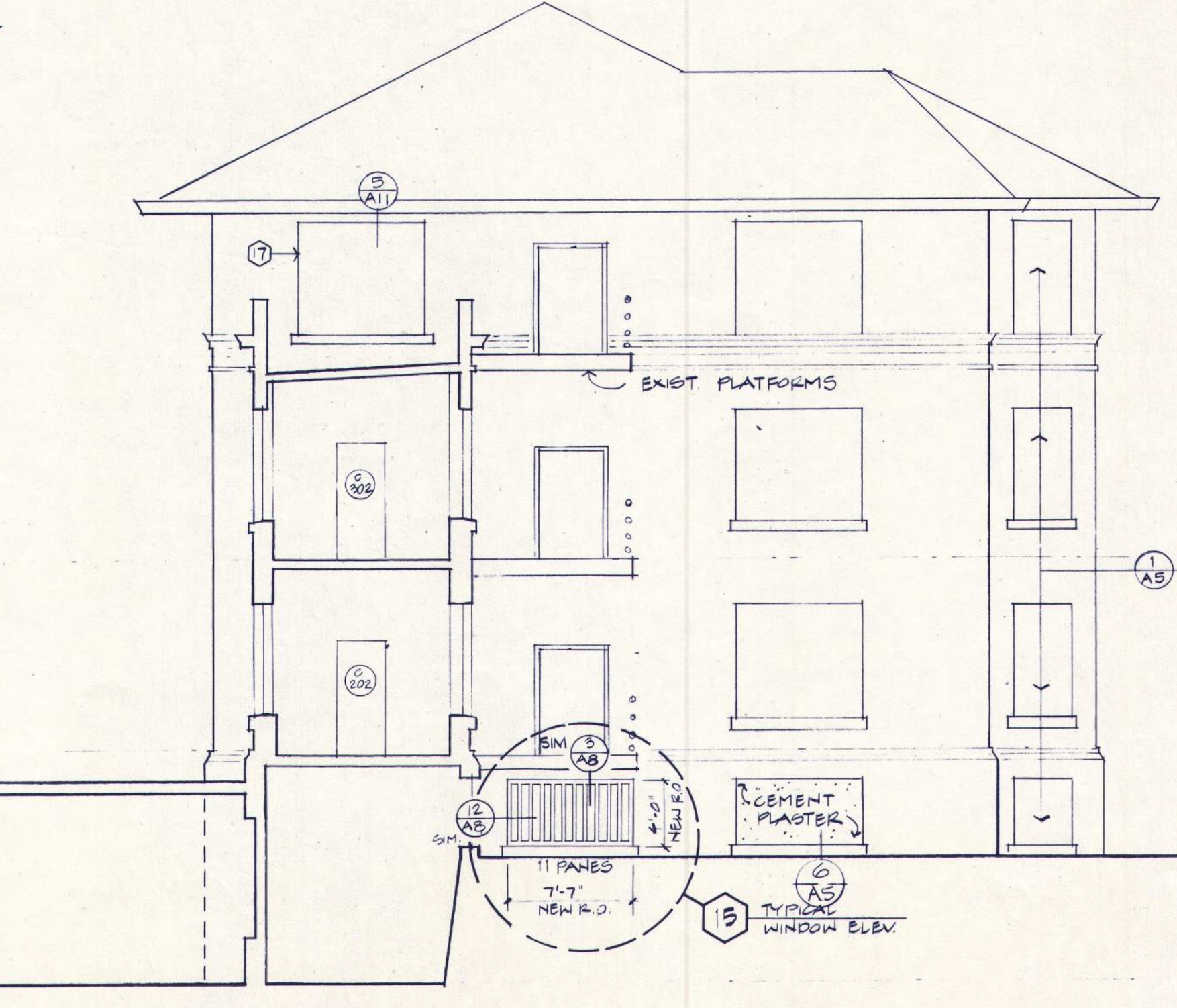
NOTE: SEE 2 FOR GENERAL NOTES FOR EXTERIOR ELEVATIONS.



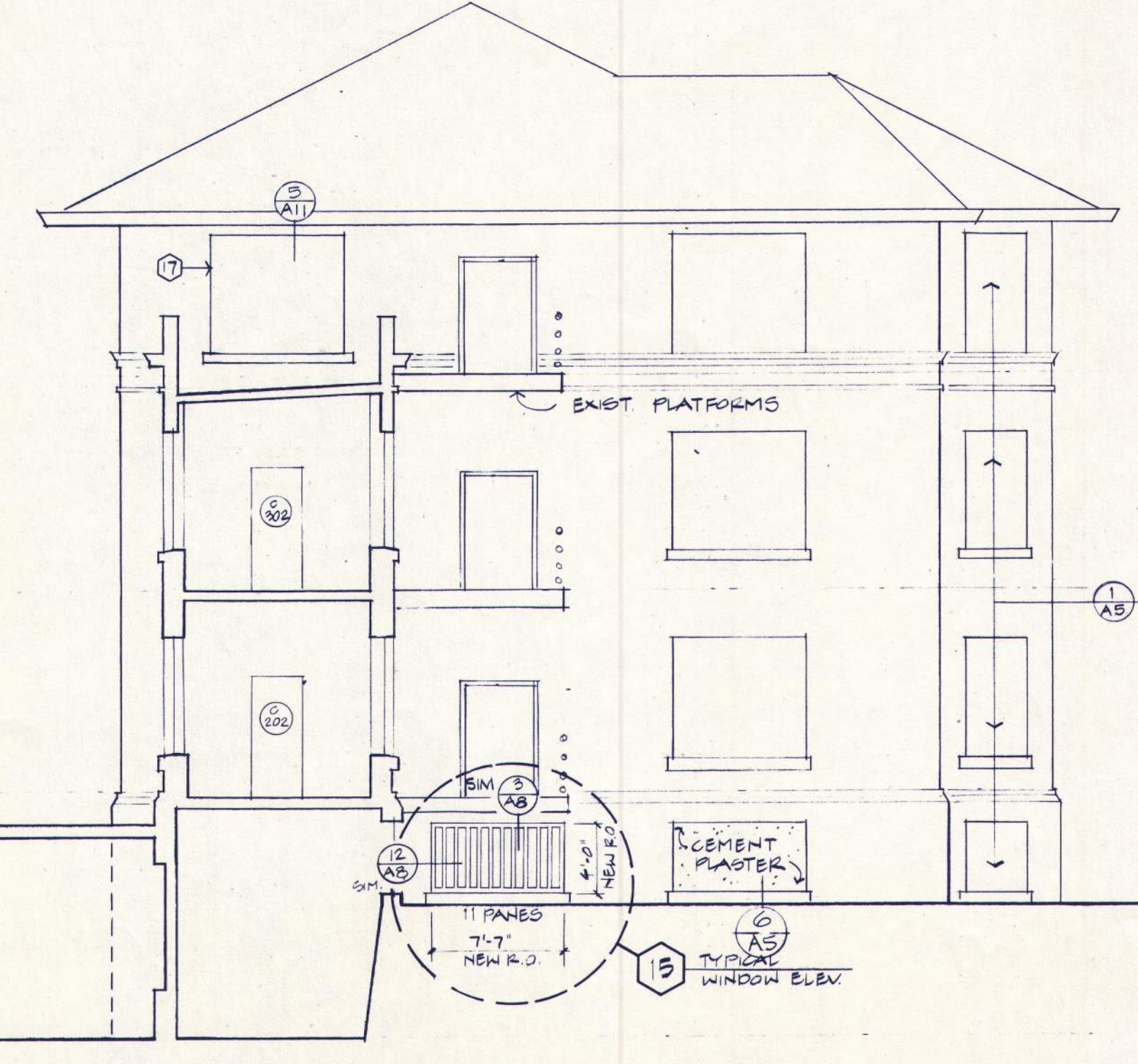
2 UNIT C: SOUTH ELEVATION
 1/8" = 1'-0" REFER GENERAL NOTES



3 UNIT C: WEST ELEV. of CENTER WING
 1/8" = 1'-0" REFER GENERAL NOTES

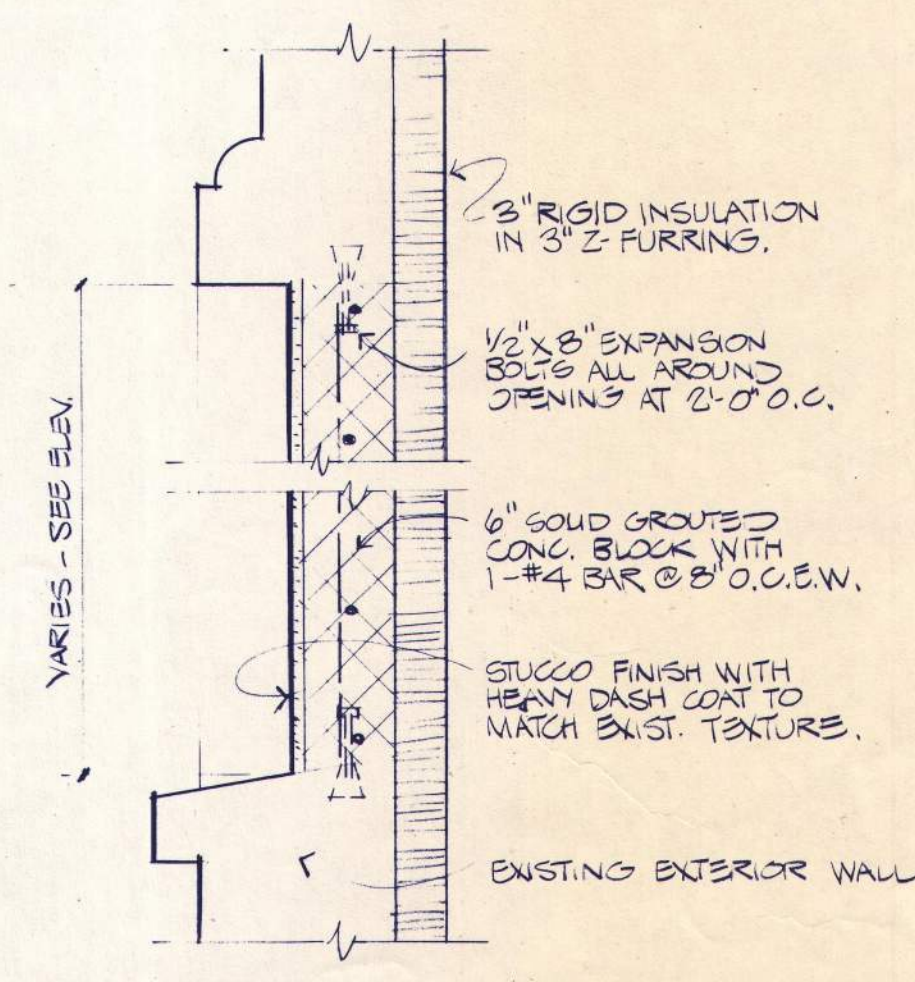


4 UNIT C: EAST ELEV. of CENTER WING
 1/8" = 1'-0" REFER GENERAL NOTES



5 UNIT C: EAST ELEVATION
 1/8" = 1'-0" REFER GENERAL NOTES

NOTE:
 ONLY WINDOW TYPES 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
 ARE USED IN PHASE G.
 SEE BUILDING ELEV. GENERAL NOTES
 SHEET A-5



6 CLOSED OPENING
 1/2" = 1'-0"

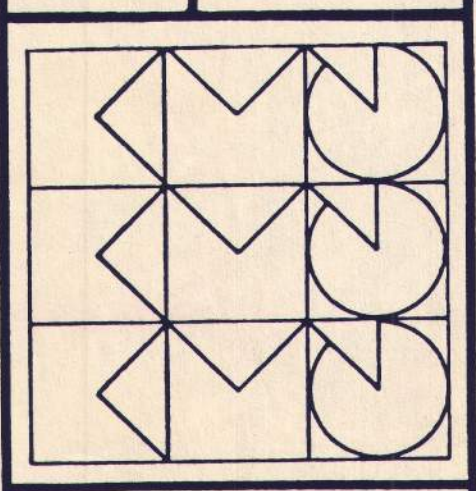


BALZHISER, HUBBARD ASSOCIATES
 MECHANICAL & ELECTRICAL ENGINEERS
 445 MARKET STREET CORVALLIS, OREGON 97331
 LLOYD BOND & ASSOCIATES
 LANDSCAPE ARCHITECT
 1837 OAK STREET EUGENE, OREGON 97401
 FRANK HONEY
 STRUCTURAL ENGINEER
 404 S.W. CORVALLIS, CORVALLIS, OREGON 97331

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6
 OREGON STATE CORRECTIONS DIVISION
 PENDELTON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

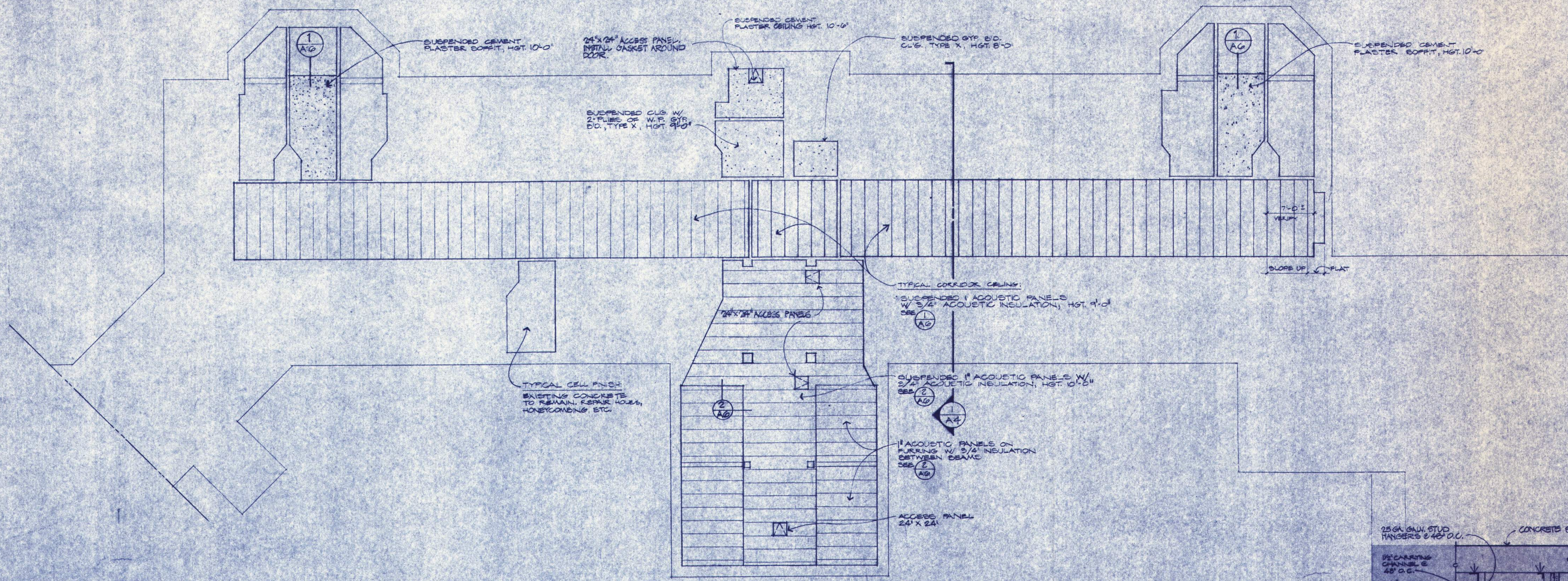
122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
 885 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249



APPROVED
 DRAWN D.F.P. RSW
 DATE 2-10-88
 JOB 201 G

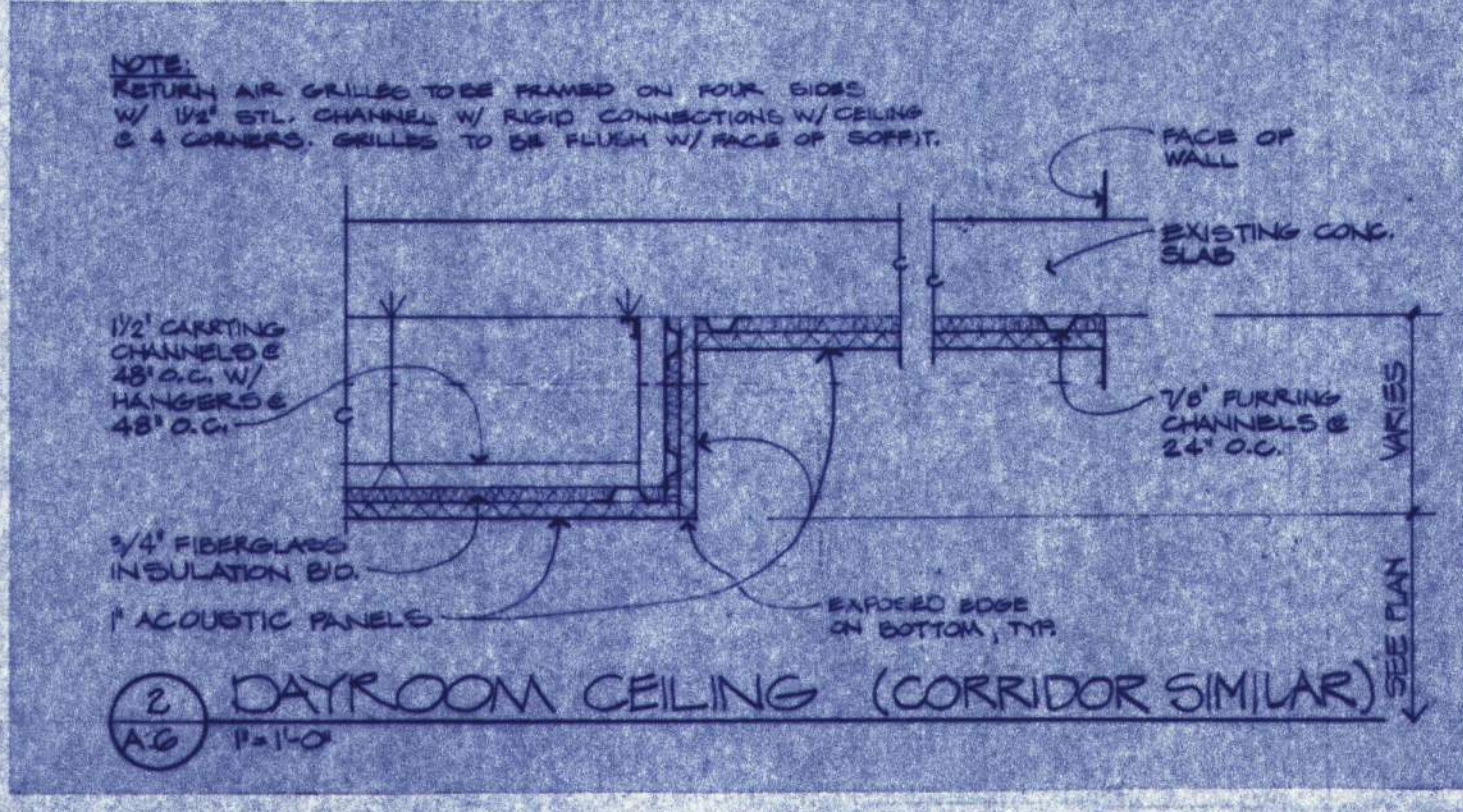
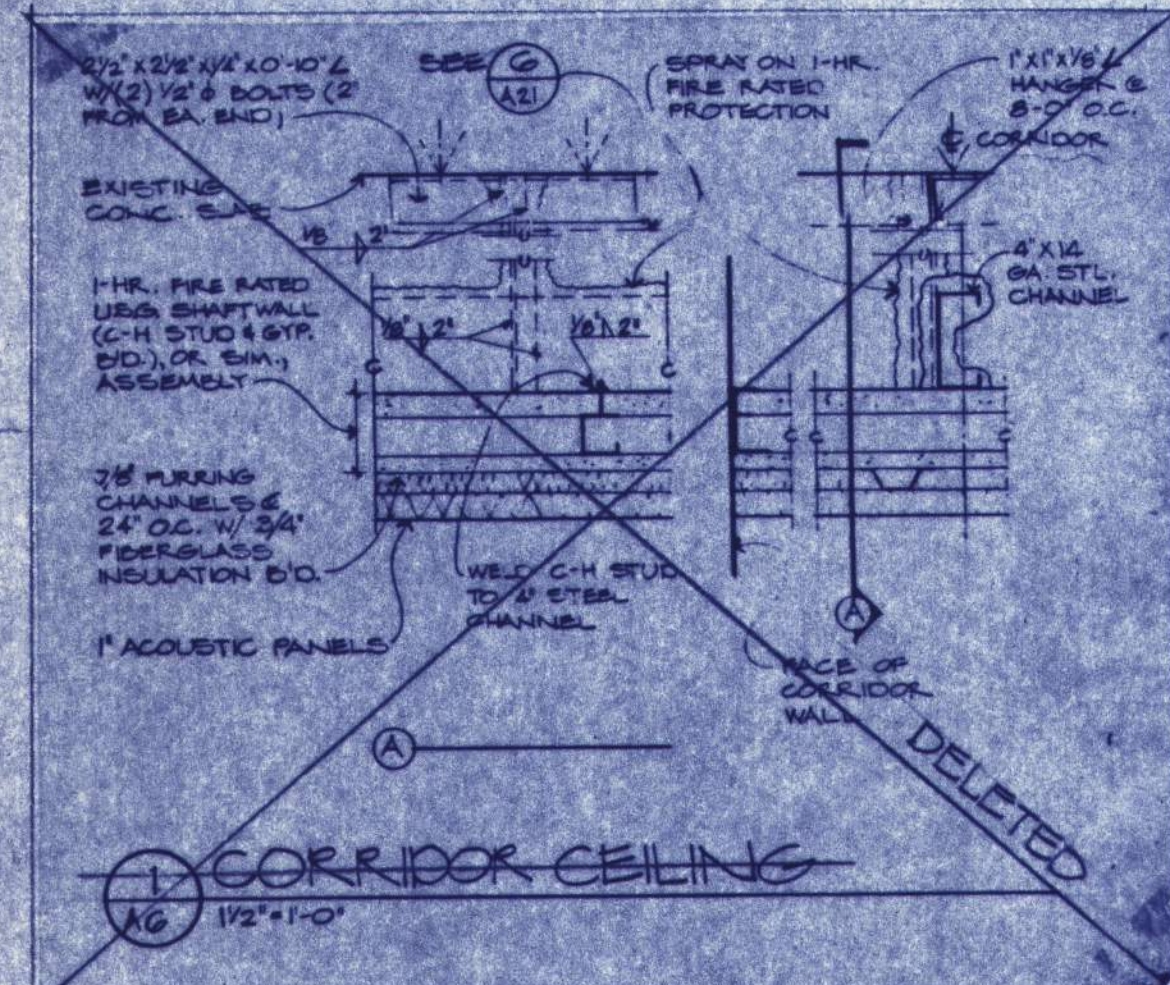
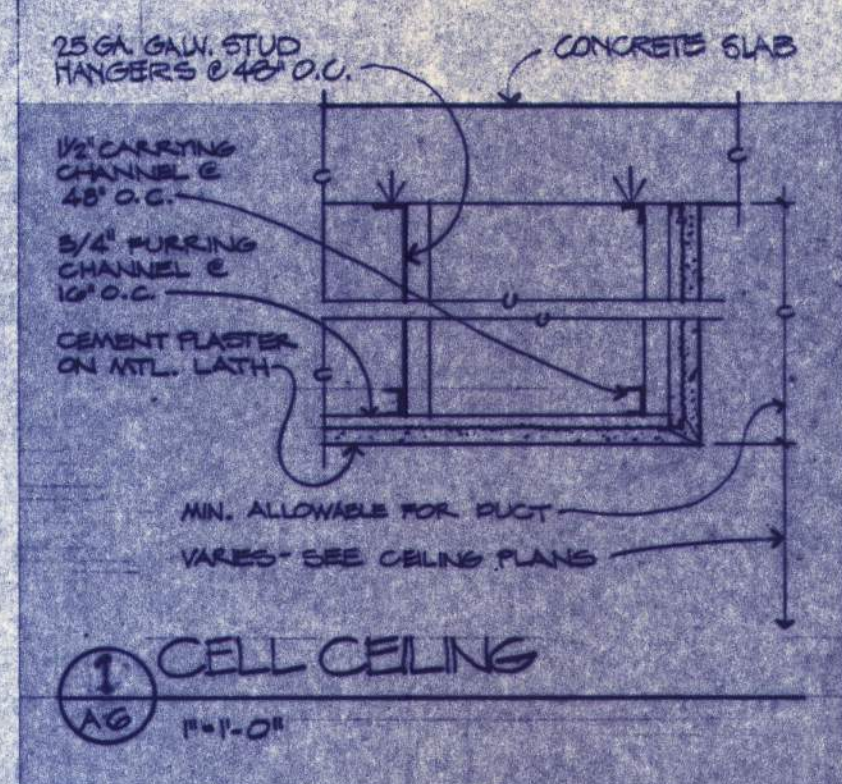


T.B.



NOTE: RELOCATE ACCESS PANELS AS NECESSARY TO AVOID LIGHT FIXTURES

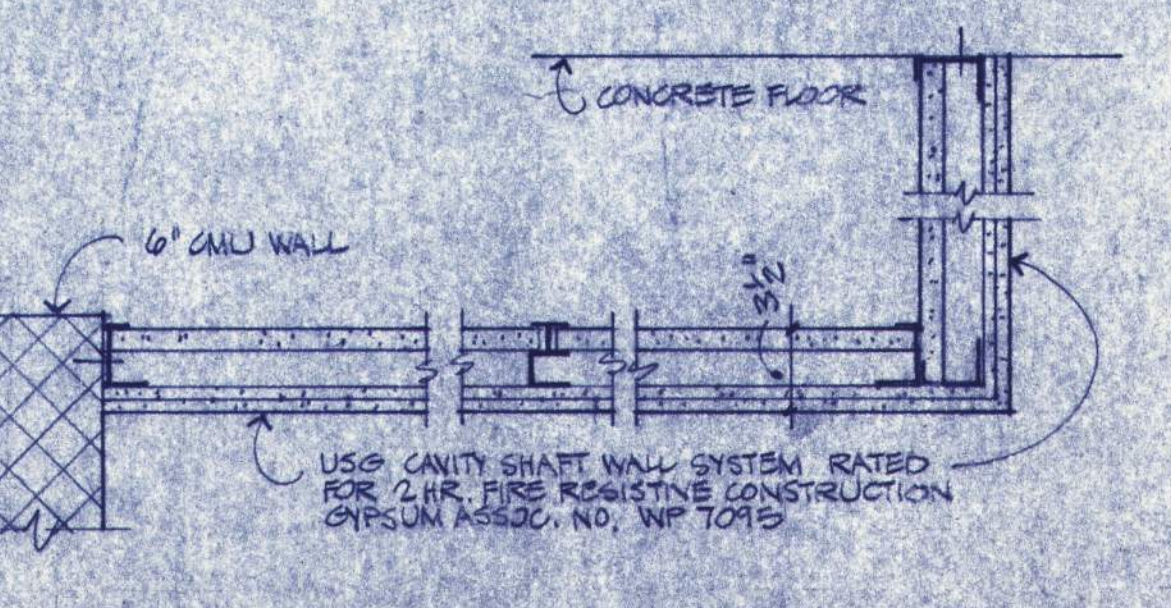
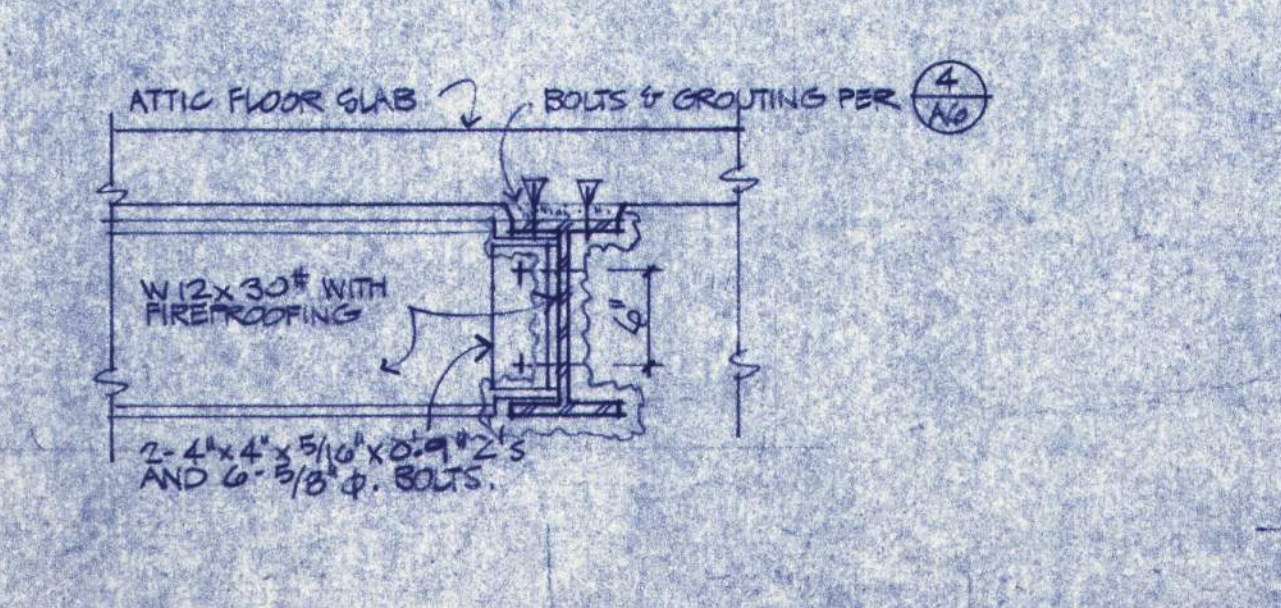
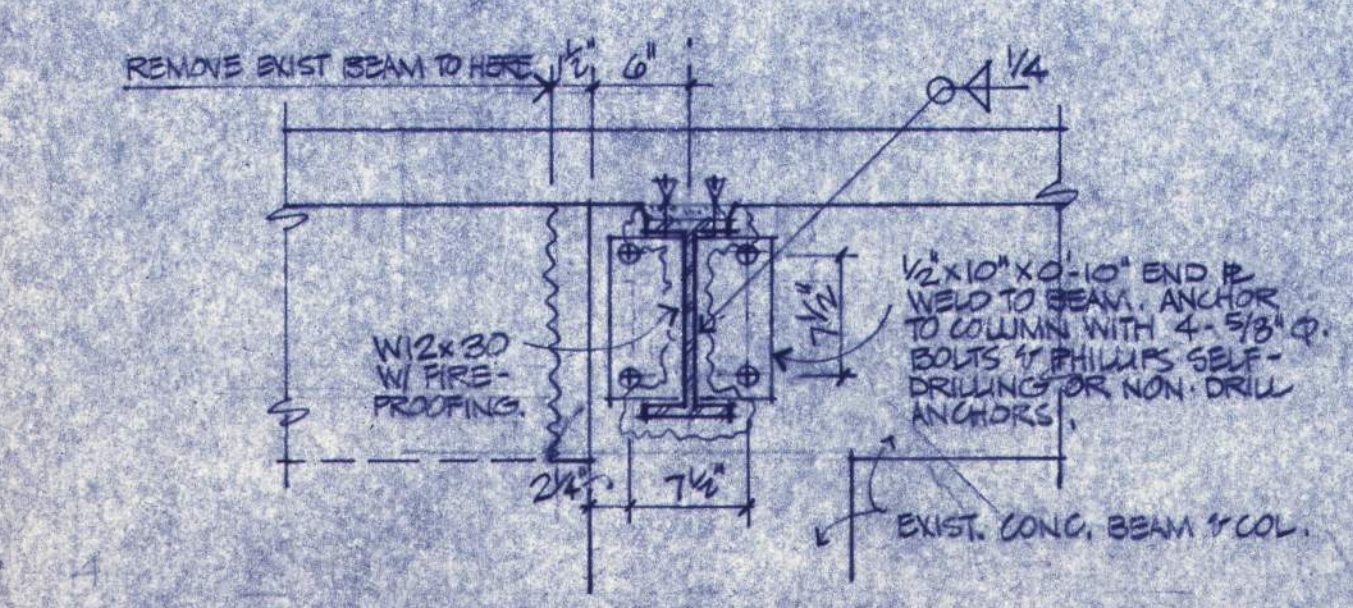
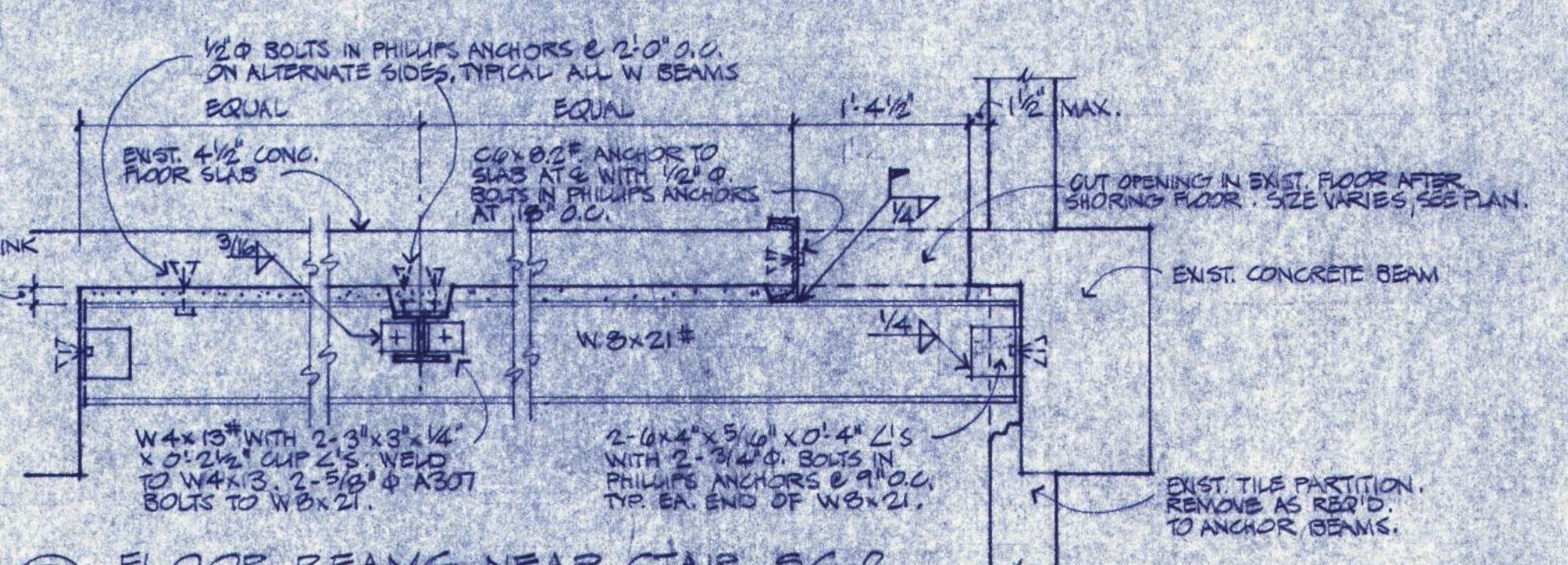
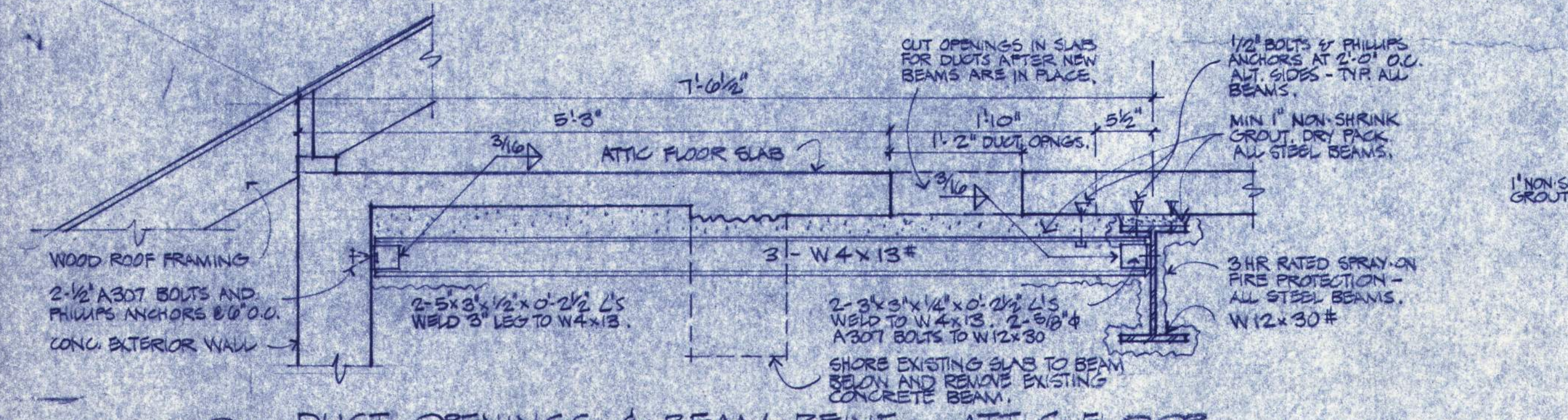
REFLECTED CEILING PLAN - C1
 1/2" = 1'-0"



1. ALL NEW EXTERIOR SURFACES ARE TO BE FINISHED WITH CEMENT PLASTER USING A HEAVY DASH TEXTURE TO MATCH EXISTING.
2. WHERE A NEW STEEL GRILLE IS SHOWN LEAVE EXISTING WINDOW IN PLACE AND INSTALL GRILLES AS DETAIL. REF. (A) GRILLES FURNISHED BY OWNER.
3. REMOVE ALL EXISTING WINDOWS, WINDOW GRILLES, AND MISCELLANEOUS INFILL CONSTRUCTION WHERE DRAWINGS SHOW NEW WINDOWS OR CLOSED OPENINGS. DELIVER GRILLES AND WINDOWS TO THE OWNER.

4. REFER MECHANICAL DRAWINGS AND ROOF PLAN SHEET A-4 FOR EXISTING ROOF HOLES TO BE REUSED AND NEW OPENINGS TO BE CUT IN ROOF FOR NEW EQUIPMENT.
5. CONTRACTOR TO SURVEY AND REPLACE ALL BROKEN GLASS IN EXISTING WINDOWS TO REMAIN WITH CLEAR DSB GLASS. THIS REQUIREMENT INCLUDES C2, C3, C4.
6. VERIFY WINDOW R.O. HEIGHTS ON SITE.

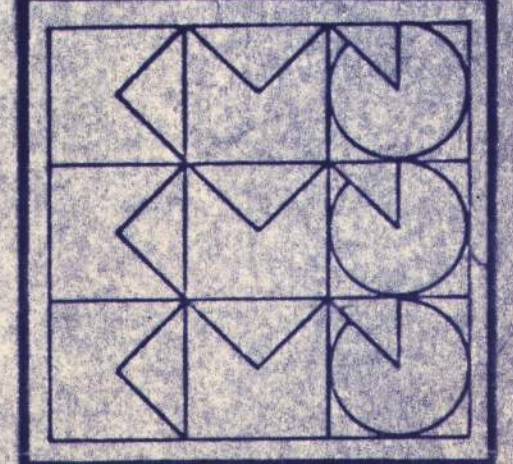
BUILDING ELEVATIONS GENERAL NOTES



BEAM TO COLUMN
 1/2" = 1'-0"

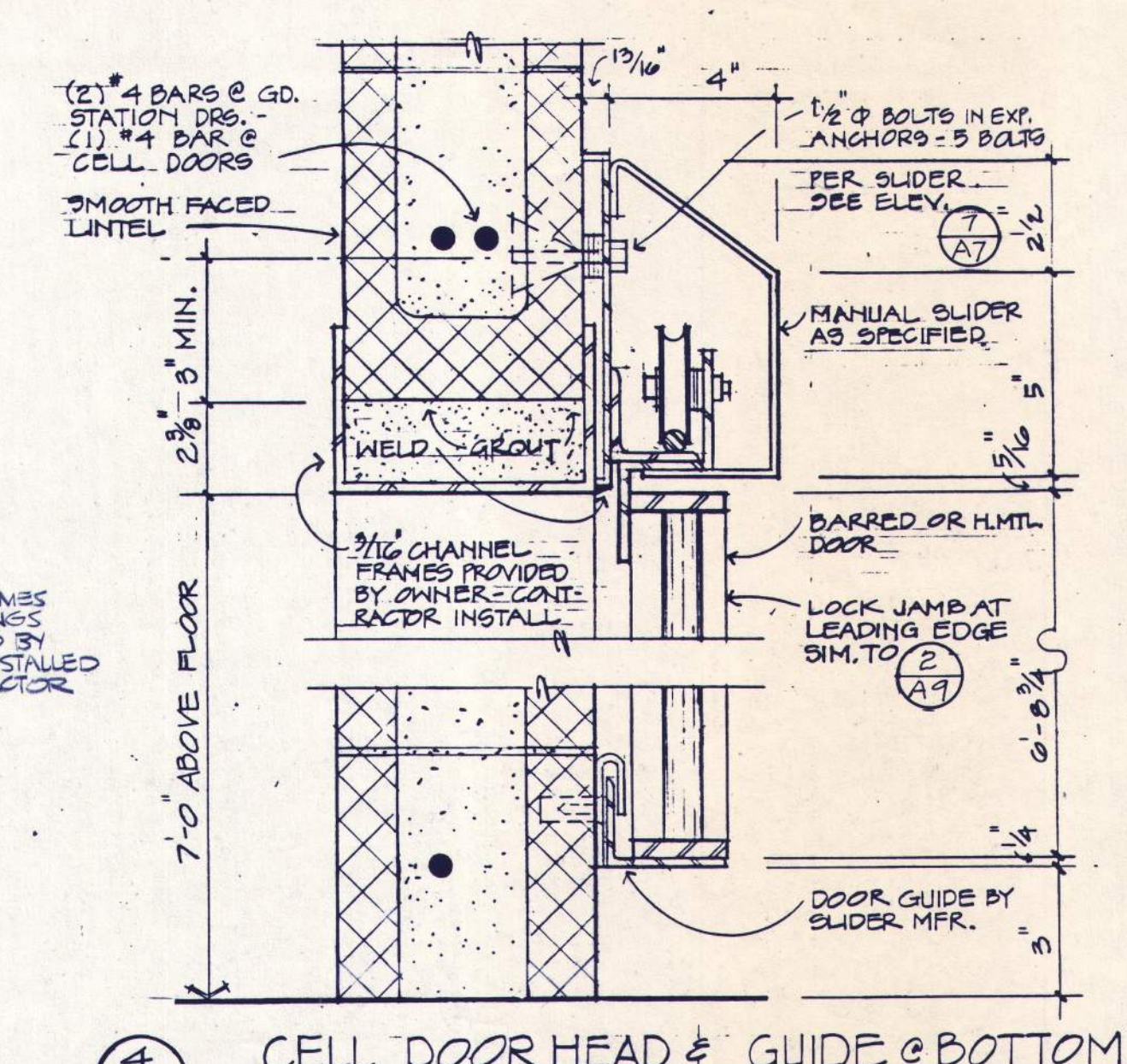
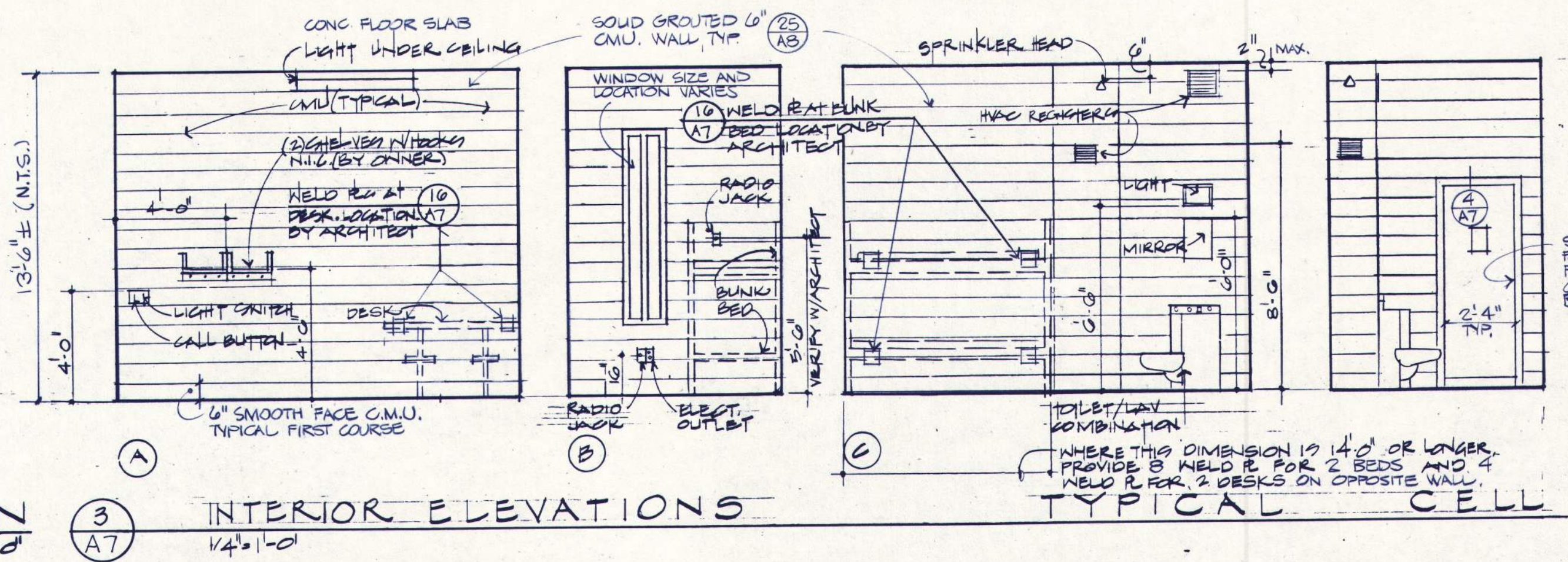
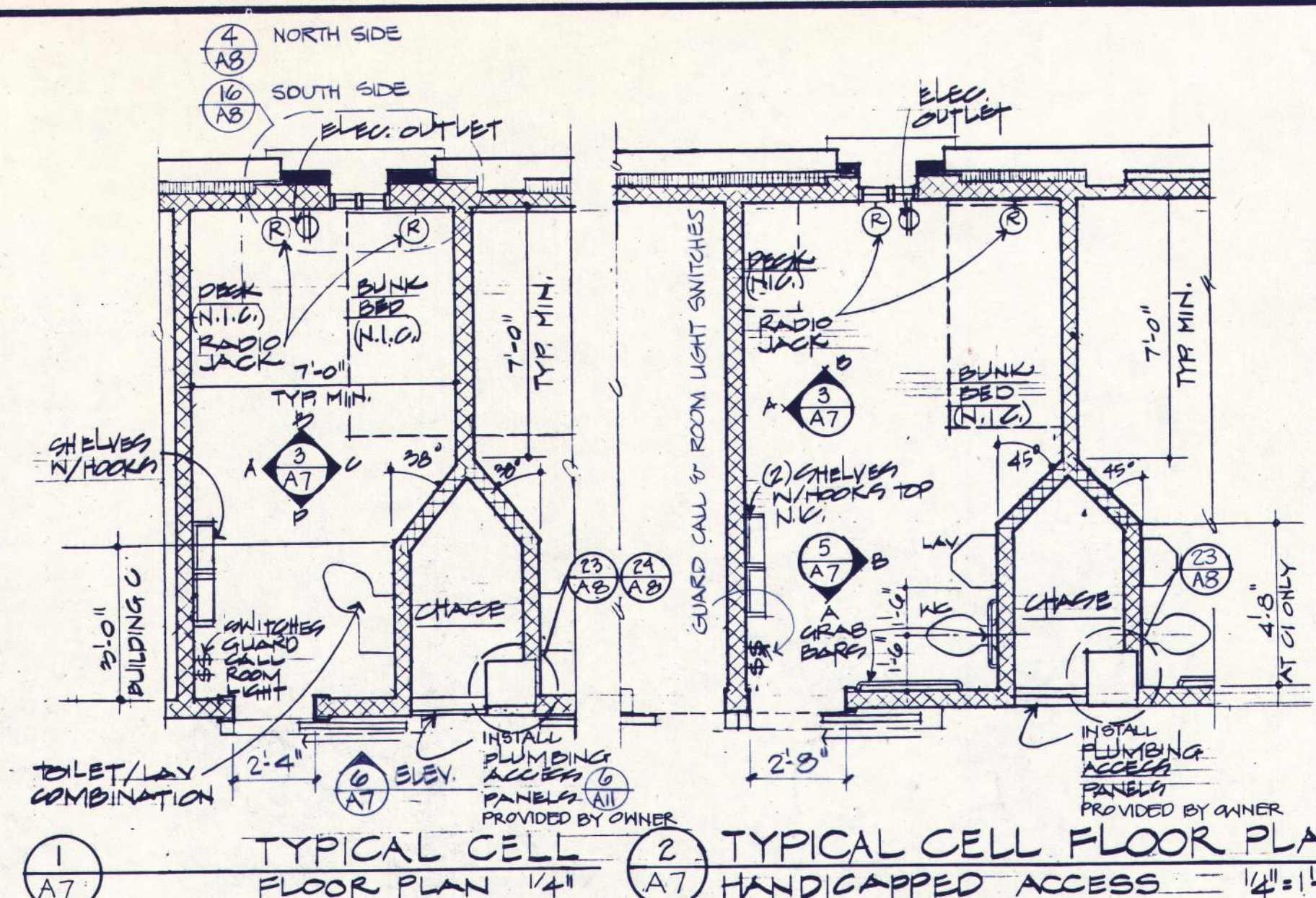
BEAM TO BEAM
 1/2" = 1'-0"

2 HR. FIRE RATED SOFFIT
 1/2" = 1'-0"

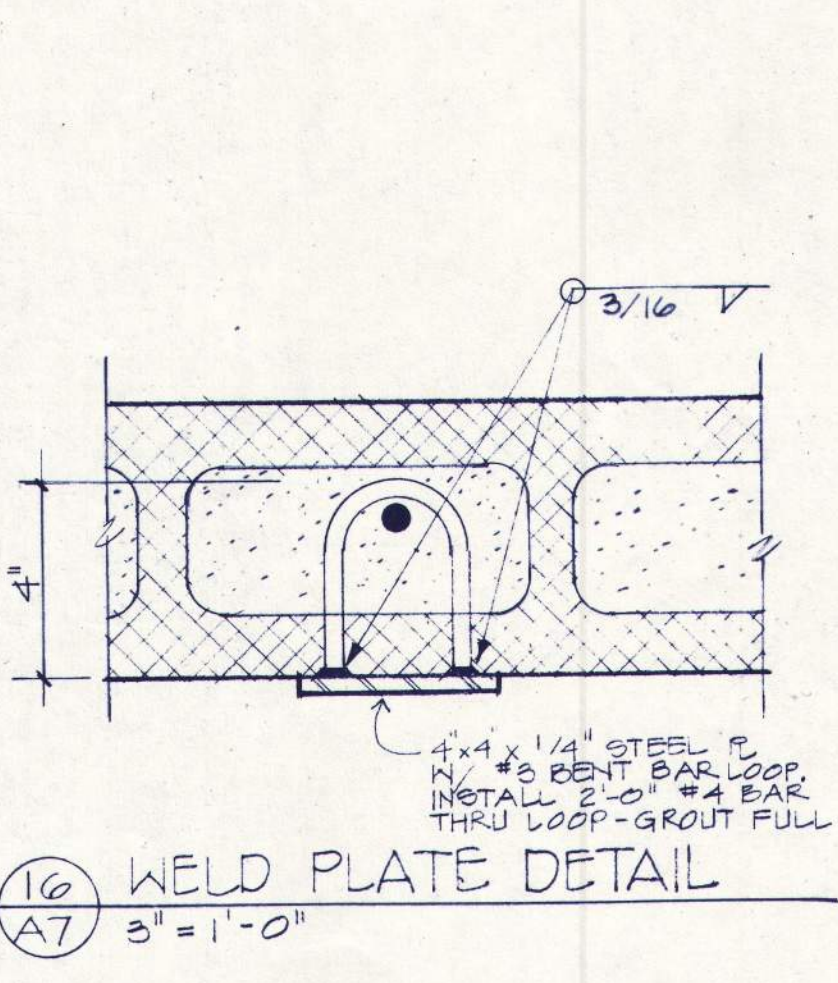
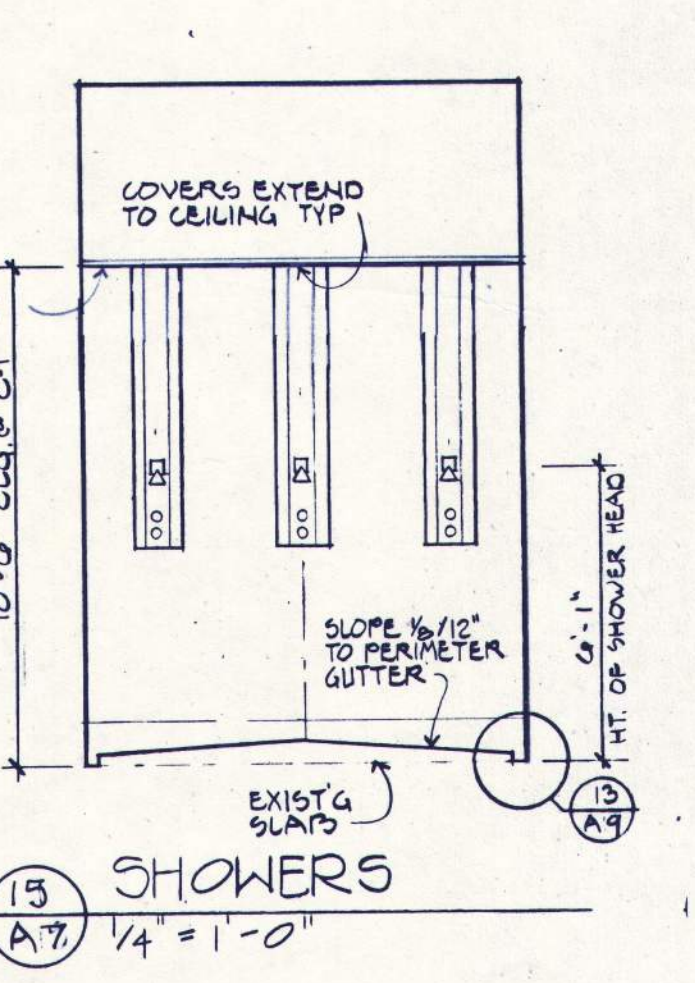
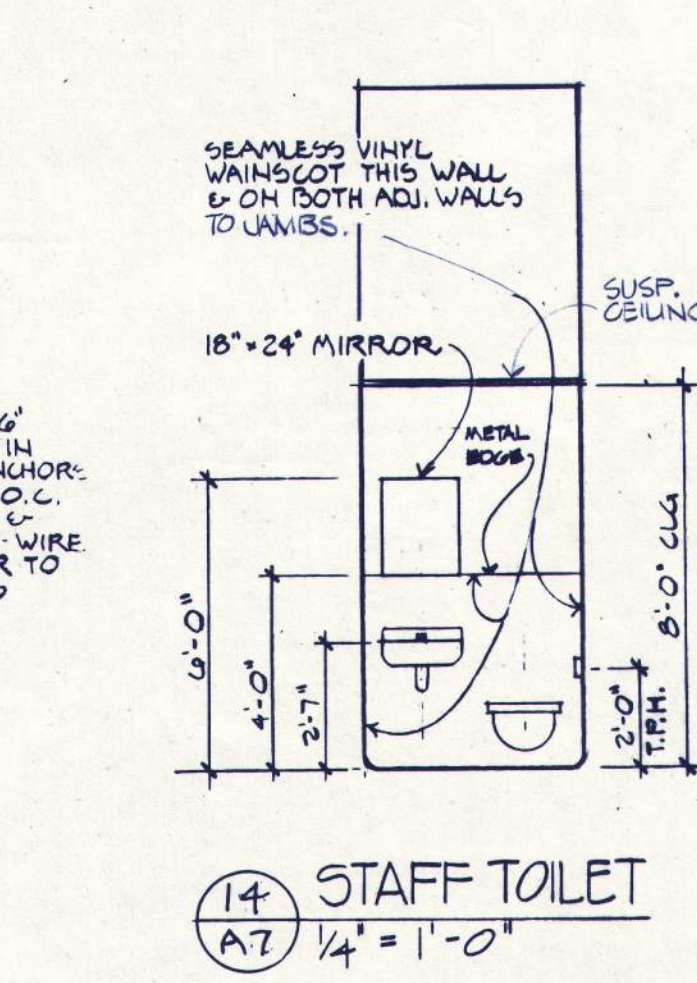
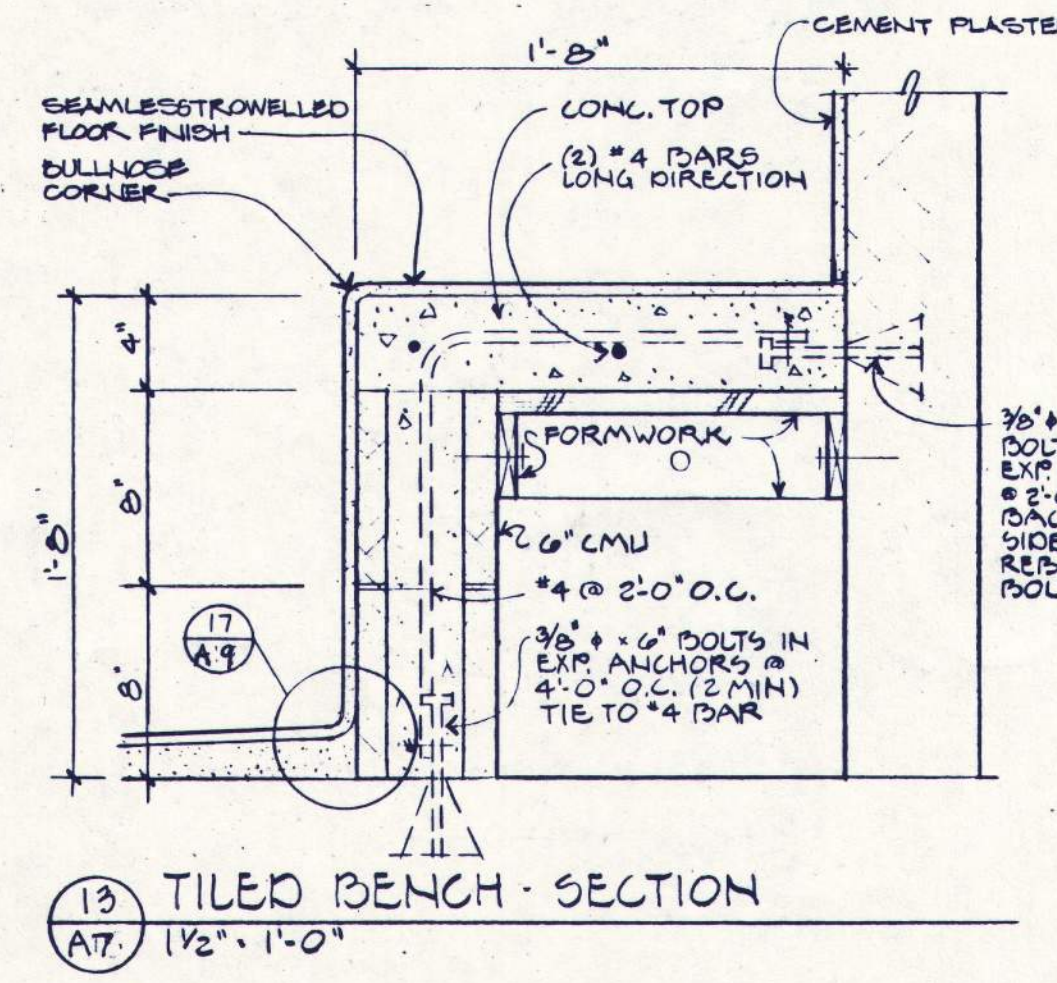
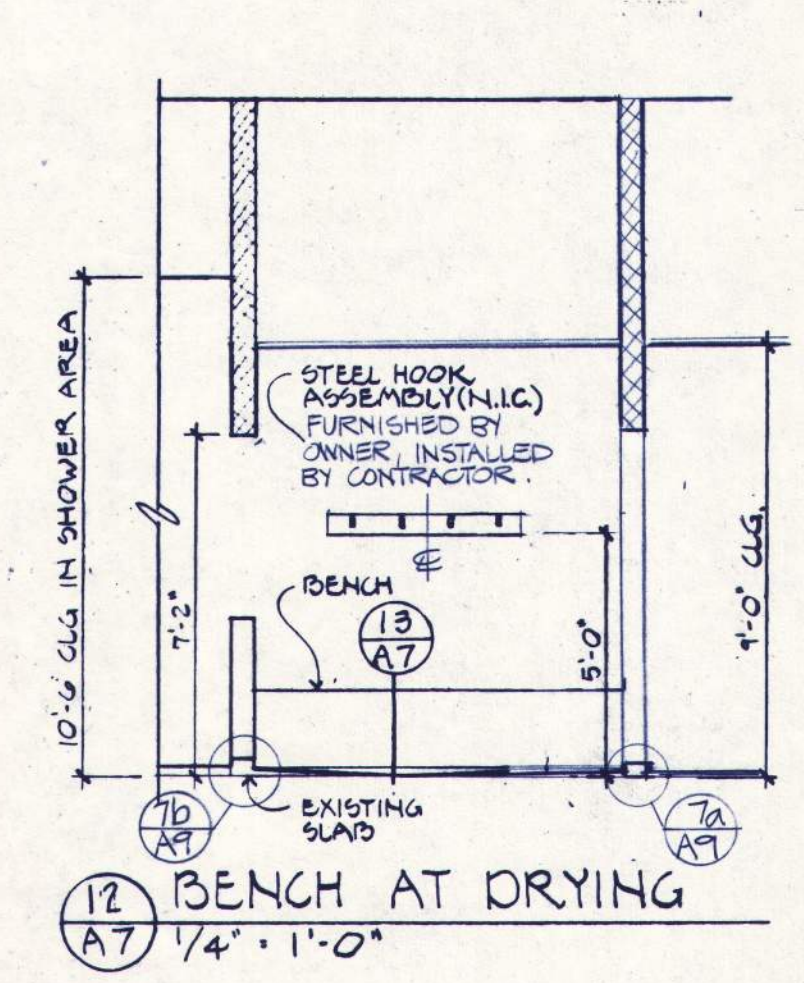
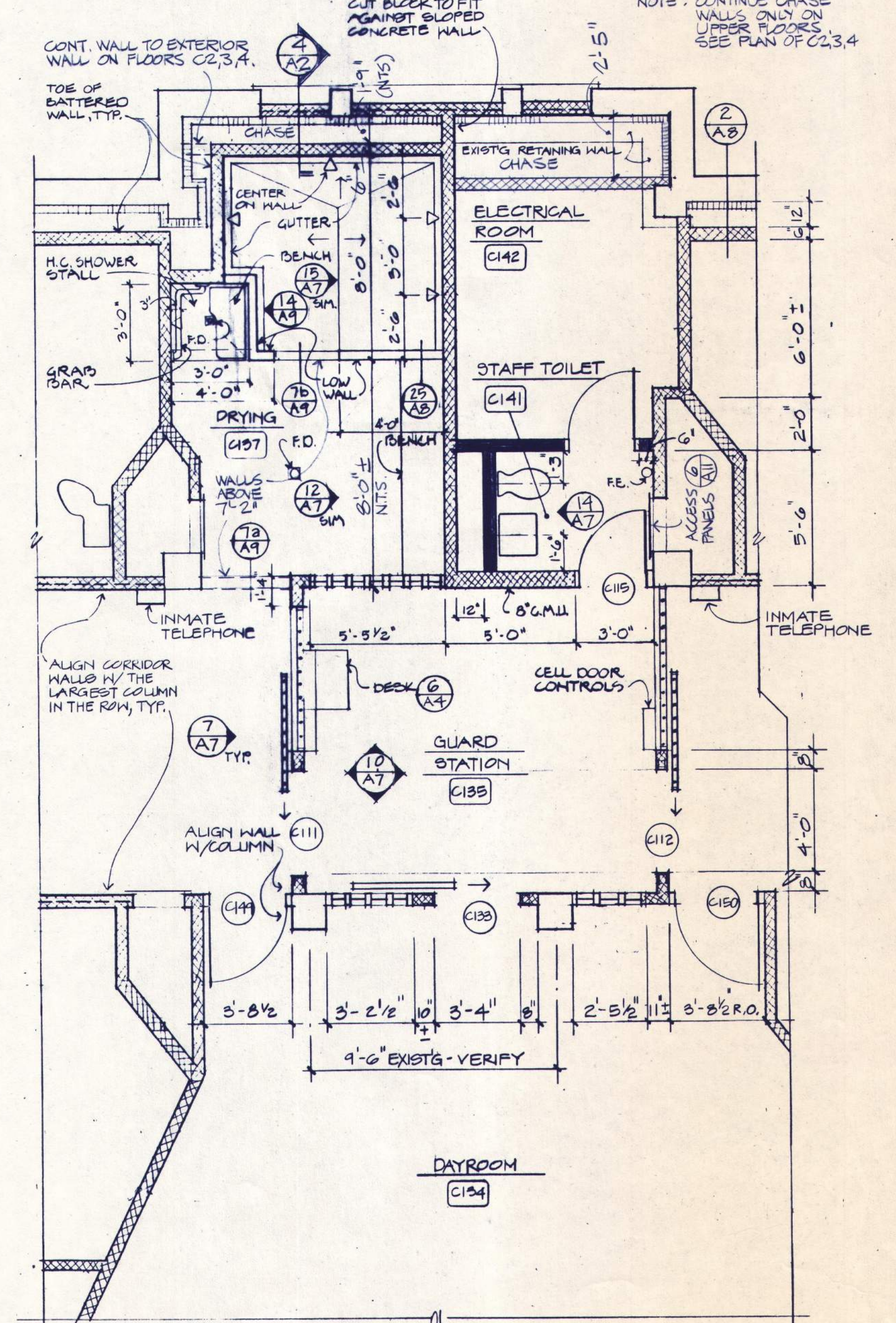
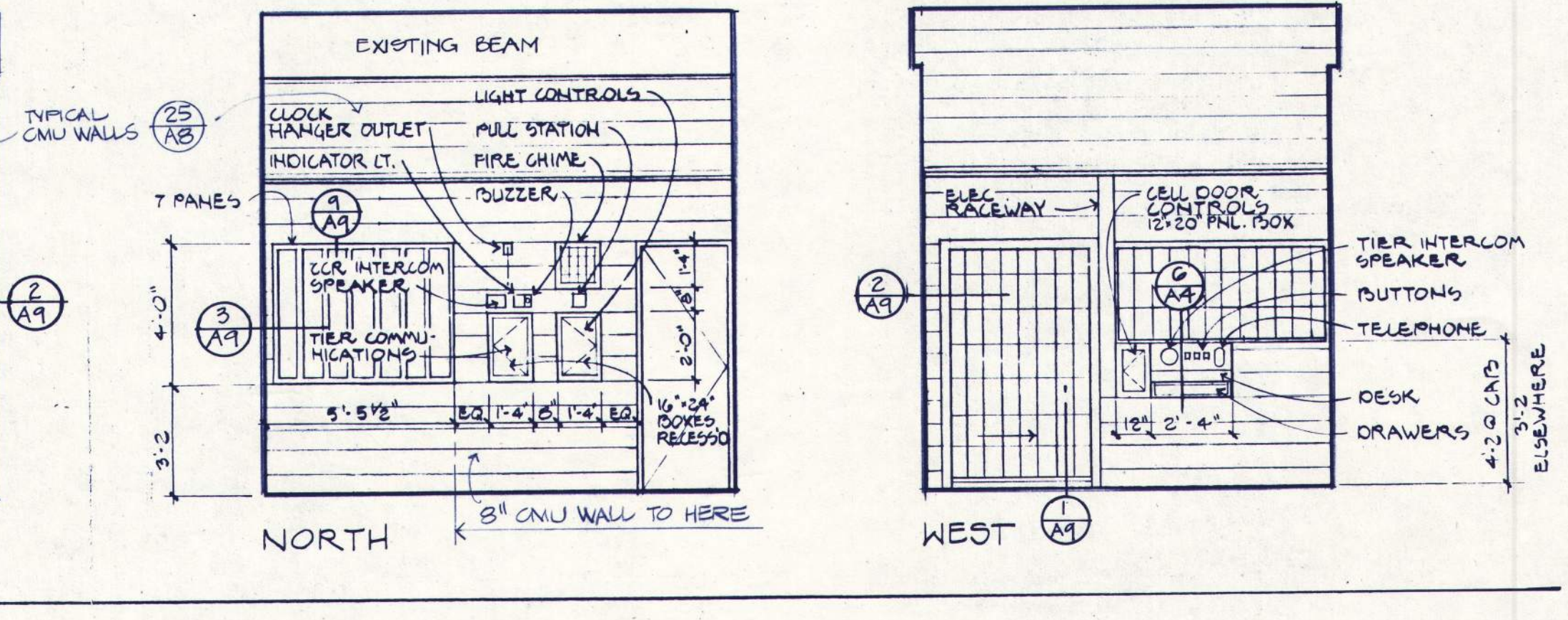
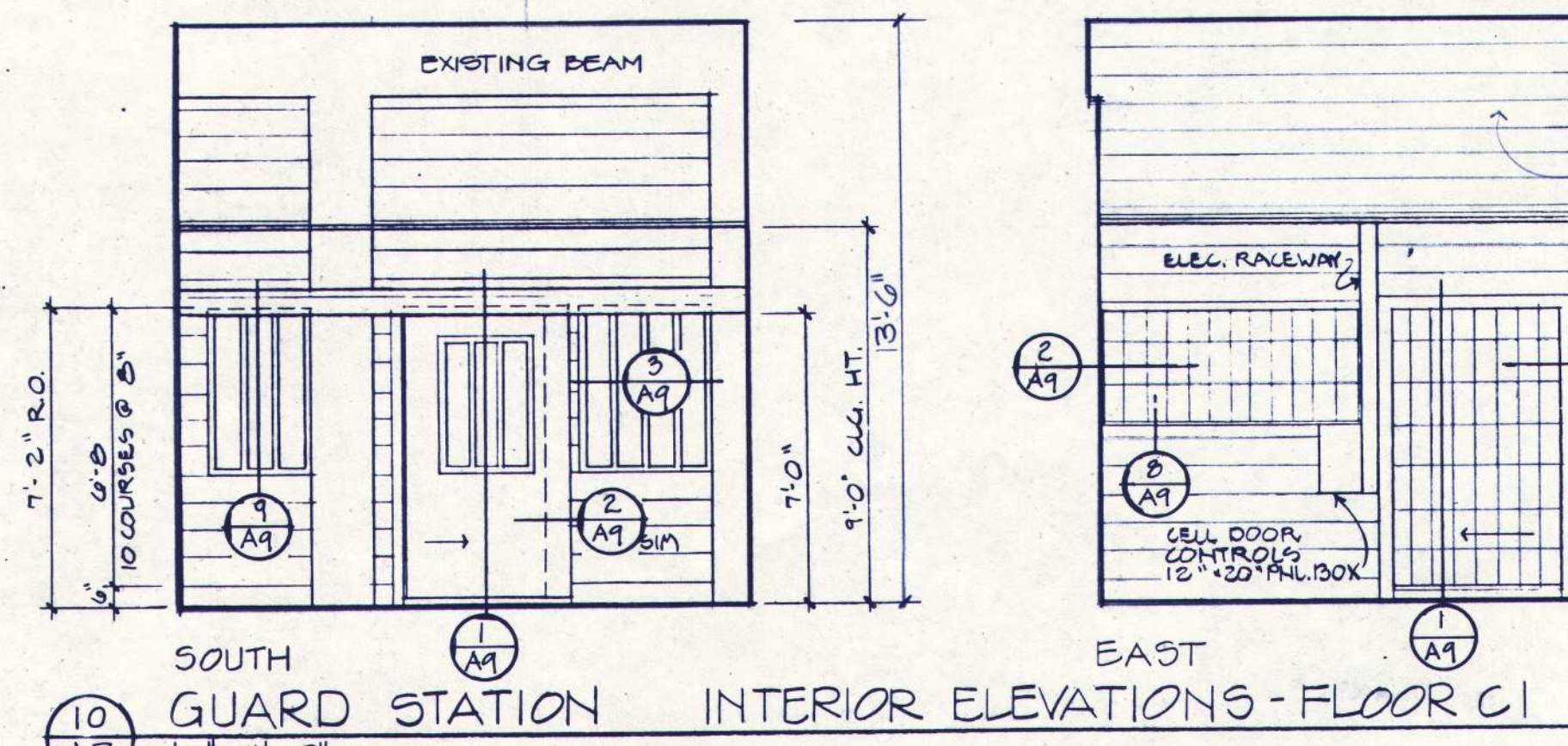
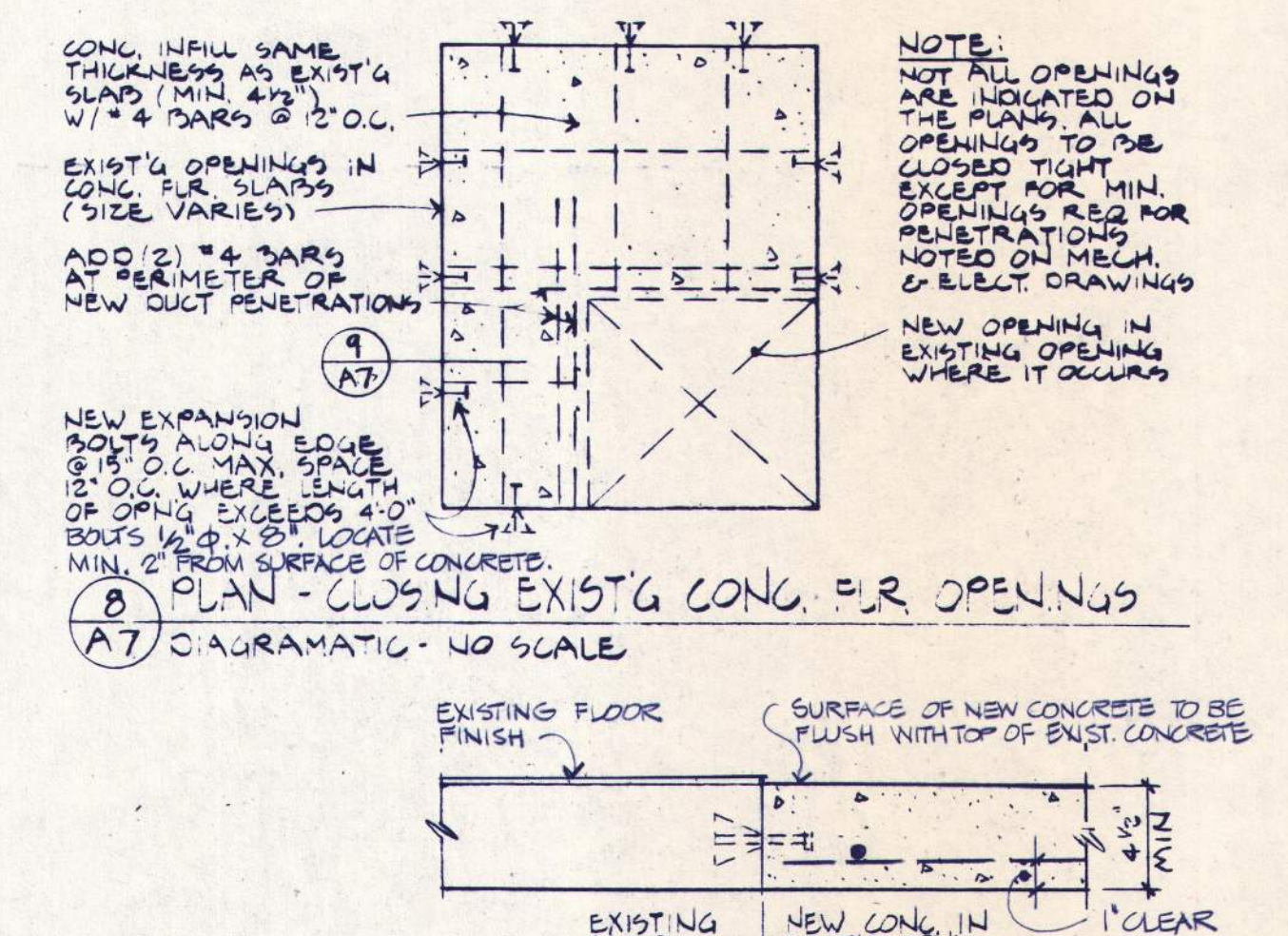
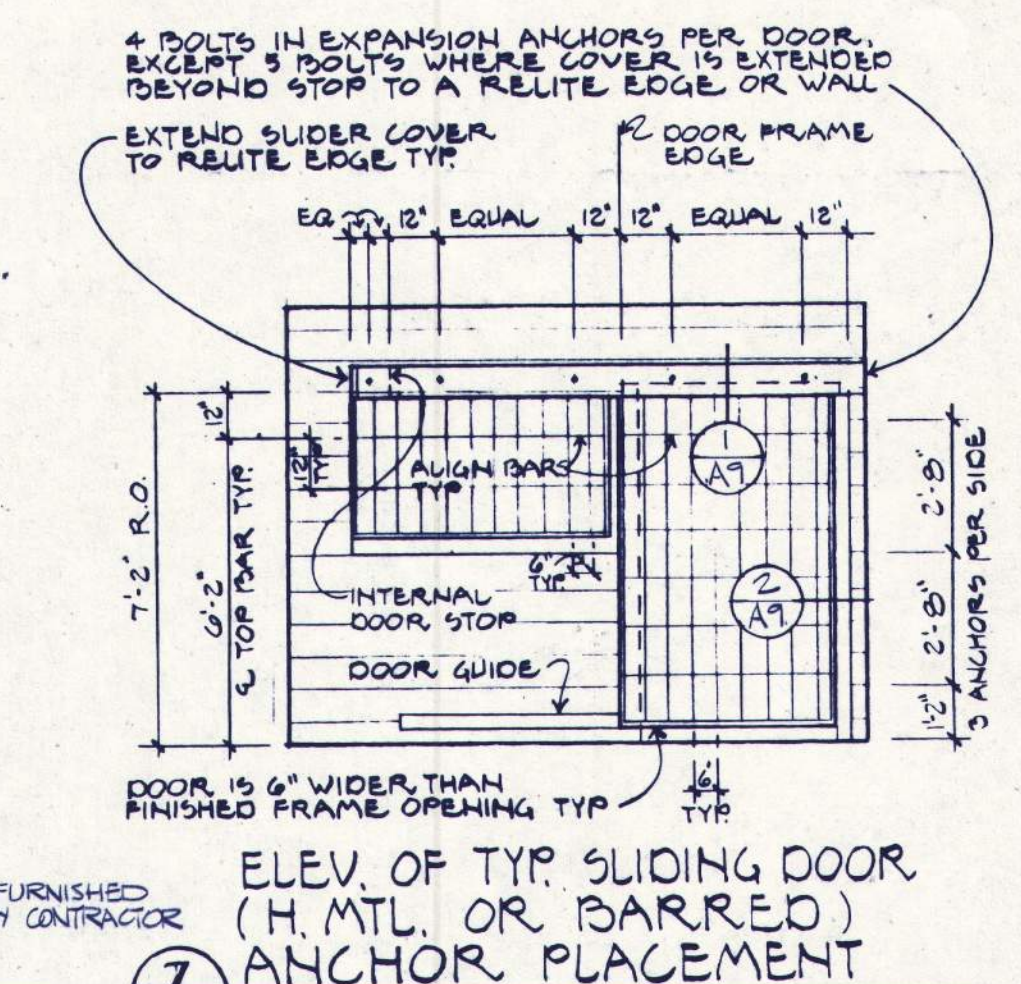
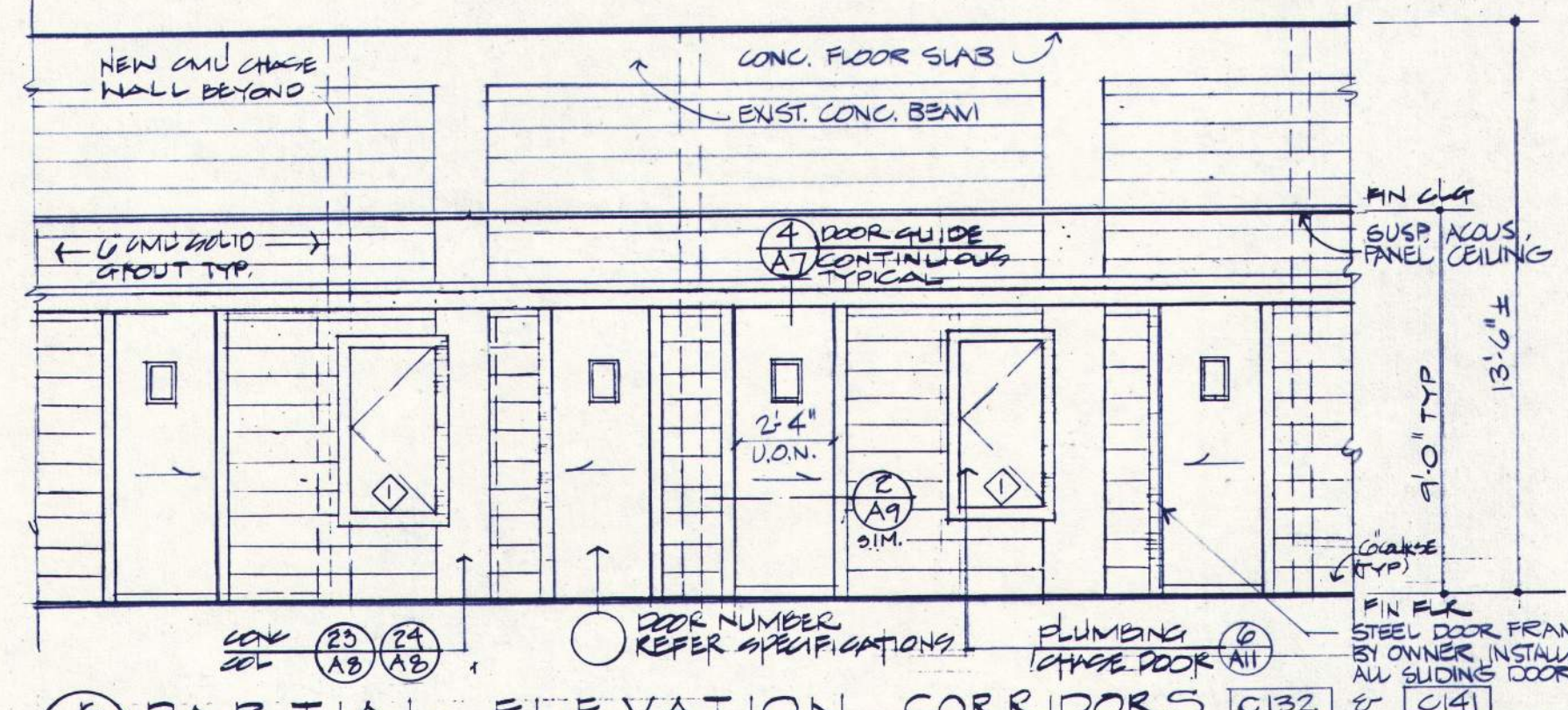
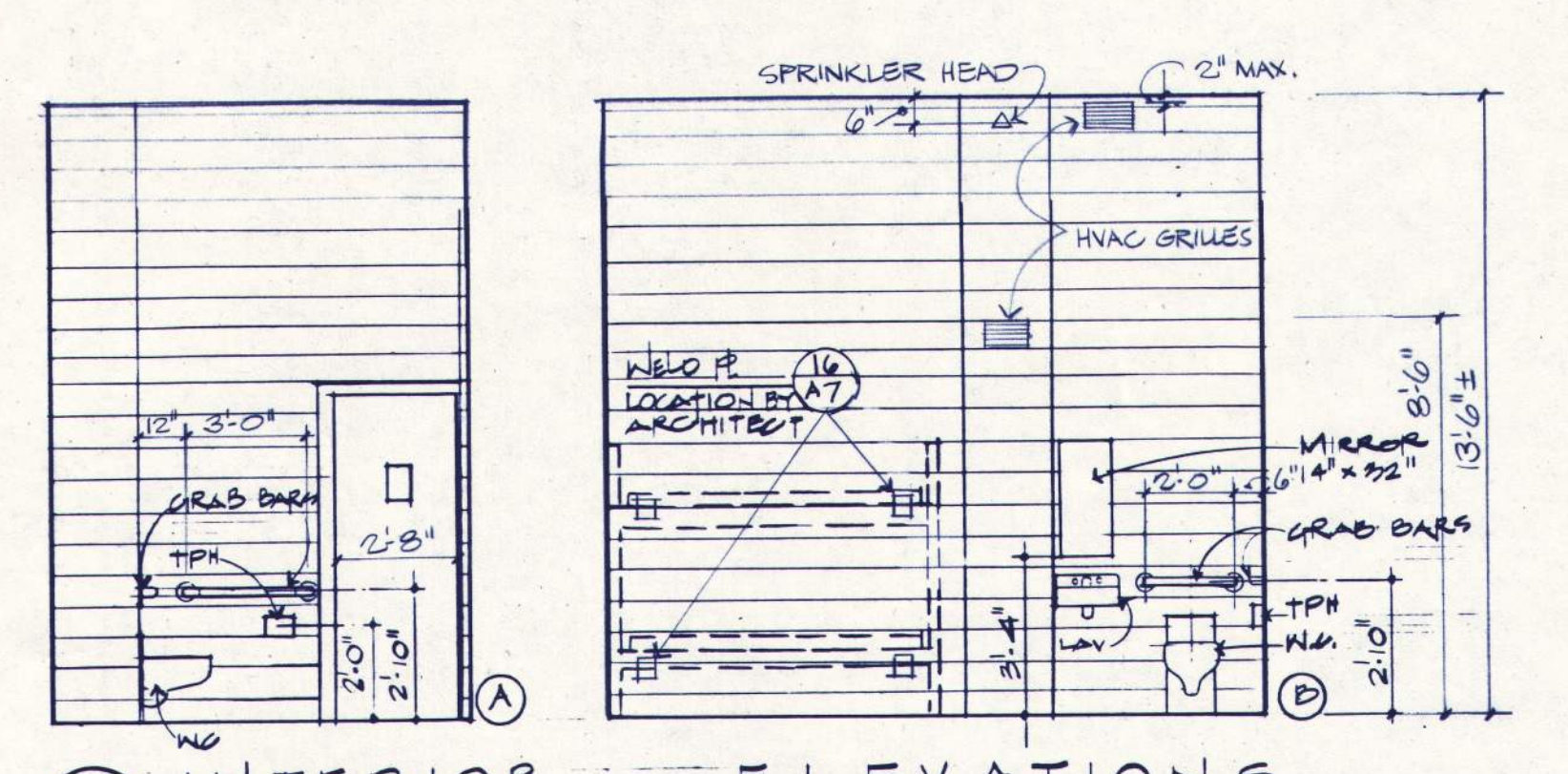


APPROVED
 DRAWN J.K. & D.E. REYN
 DATE 2.10.88
 JOB 801.6

AG



TYPICAL CELL NOTES:
 1) CELL DIMENSIONS AND CONFIGURATIONS VARY. REFER BUILDING PLANS FOR SPECIFIC CONDITIONS.
 2) CONTRACTOR TO PROVIDE AND INSTALL 4 WELD PLATES FOR EACH BUNK BED AND 2 WELD PLATES FOR EACH DESK. BEDS AND DESKS TO BE PROVIDED AND INSTALLED BY OWNER. FOR SPECIAL LOCATIONS REFER BUILDING PLANS EXACT LOCATIONS BY ARCHITECT.



BALZHISER, HUBBARD ASSOCIATES
 MECHANICAL & ELECTRICAL ENGINEERS
 1000 N. W. 10TH AVENUE, SUITE 1000, PORTLAND, OREGON 97227

LLOYD BOND & ASSOCIATES
 LANDSCAPE ARCHITECT
 1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
 STRUCTURAL ENGINEER
 1000 N. W. 10TH AVENUE, SUITE 1000, PORTLAND, OREGON 97227

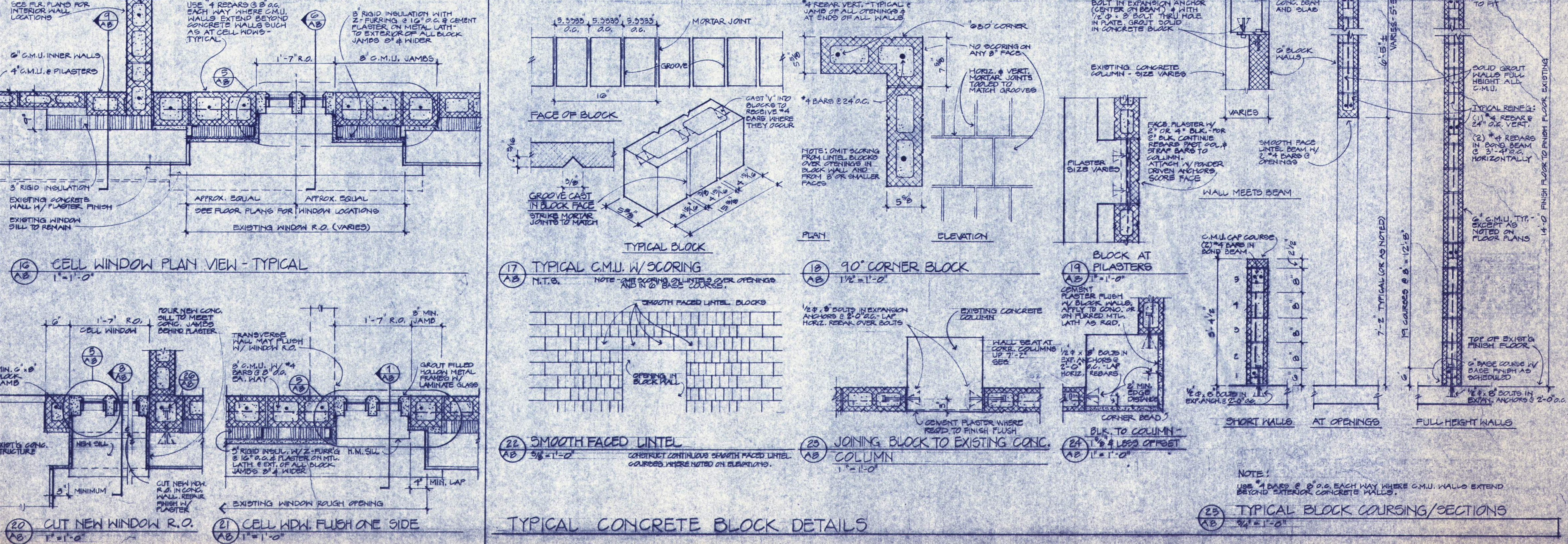
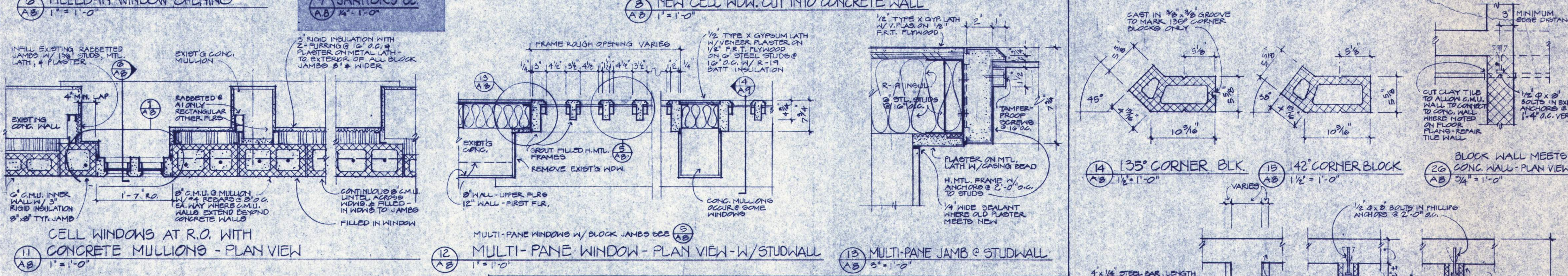
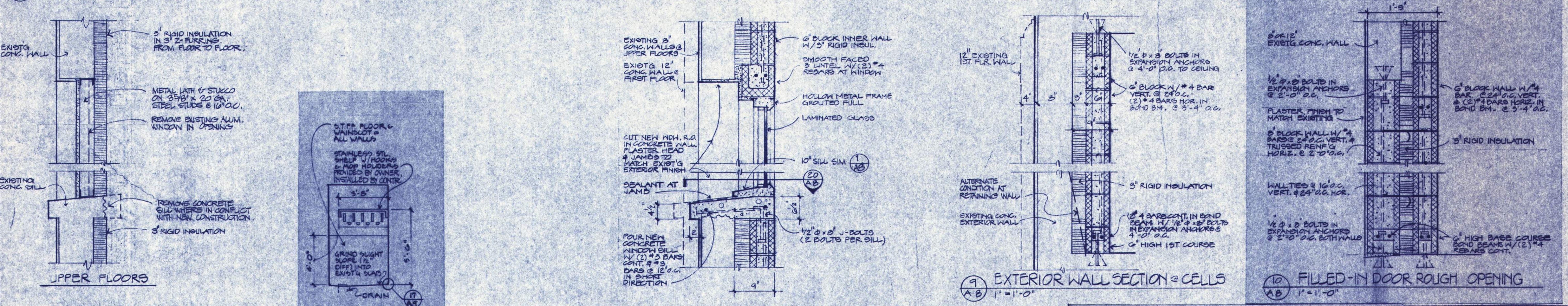
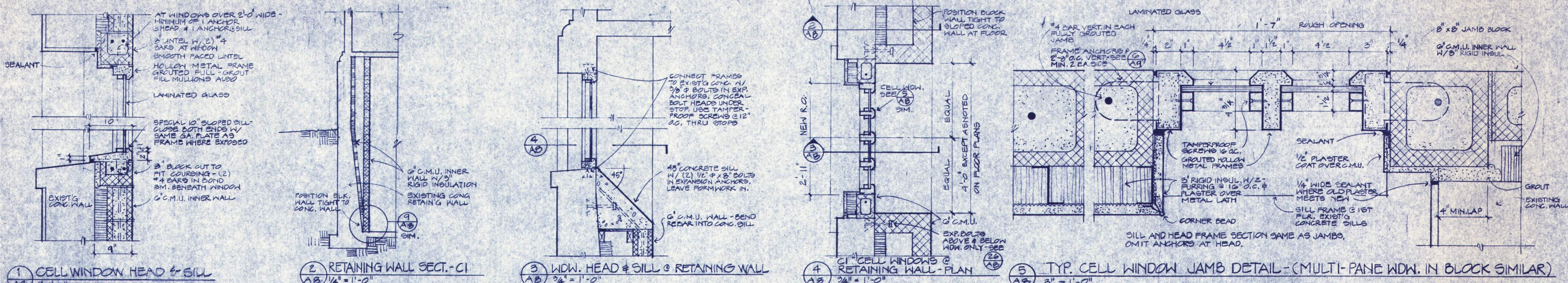
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 PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
 863 THIRTIETH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3549

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 DRAWN S.B. D.G., J.M.
 DATE 2-10-88
 JOB 801.0

A7



PHASE 6

C UNIT

EASTERN OREGON CORRECTIONAL INSTITUTION - PENDELTON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

OREGON STATE CORRECTIONS DIVISION

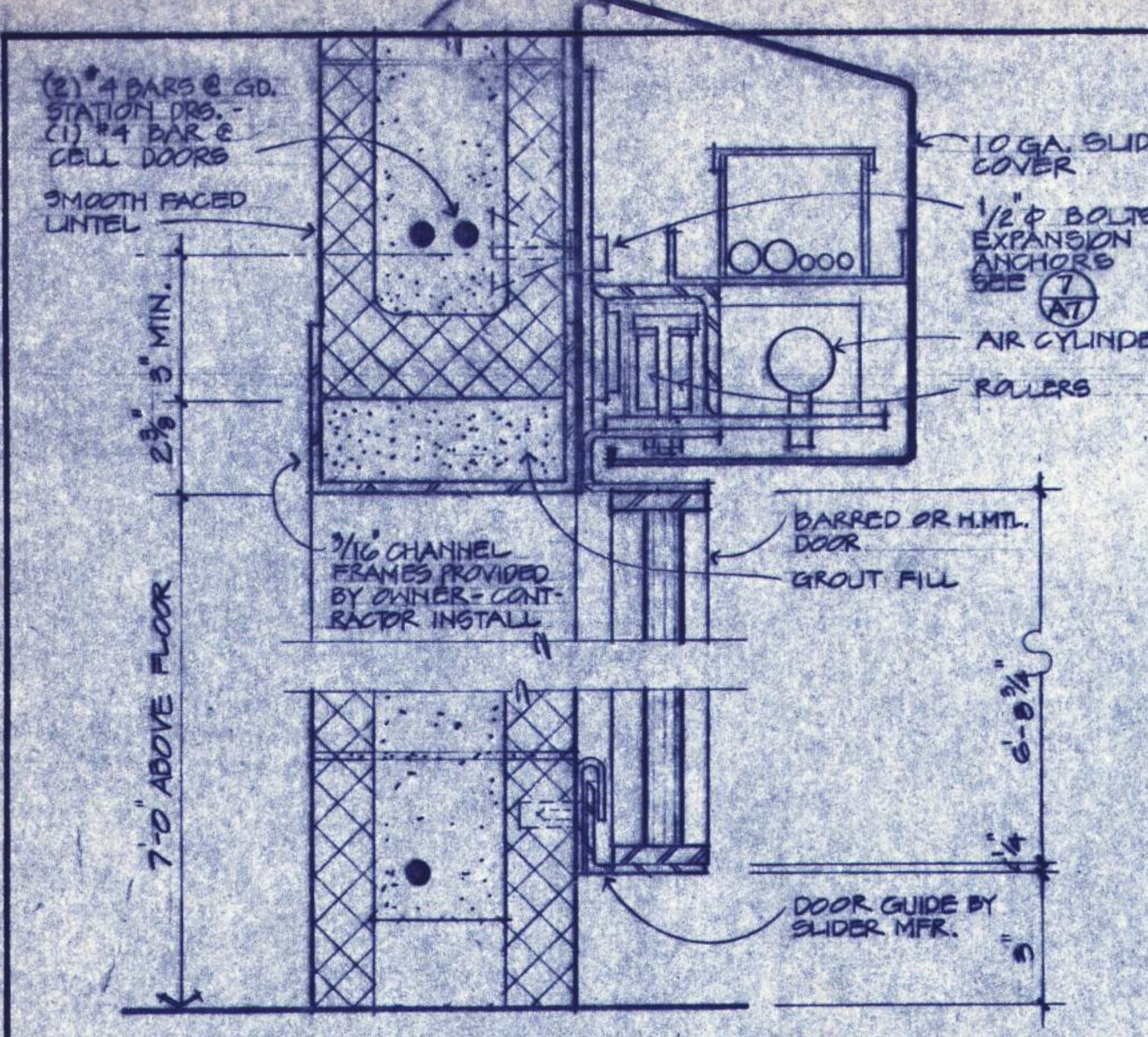
APPROVED
DRAWN O.S.
DATE 2/10/88
JOB 8010

NOTE:
USE 4 BARS @ 8" O.C. EACH WAY WHERE C.M.U. WALLS EXTEND BEYOND EXTERIOR CONCRETE WALLS.

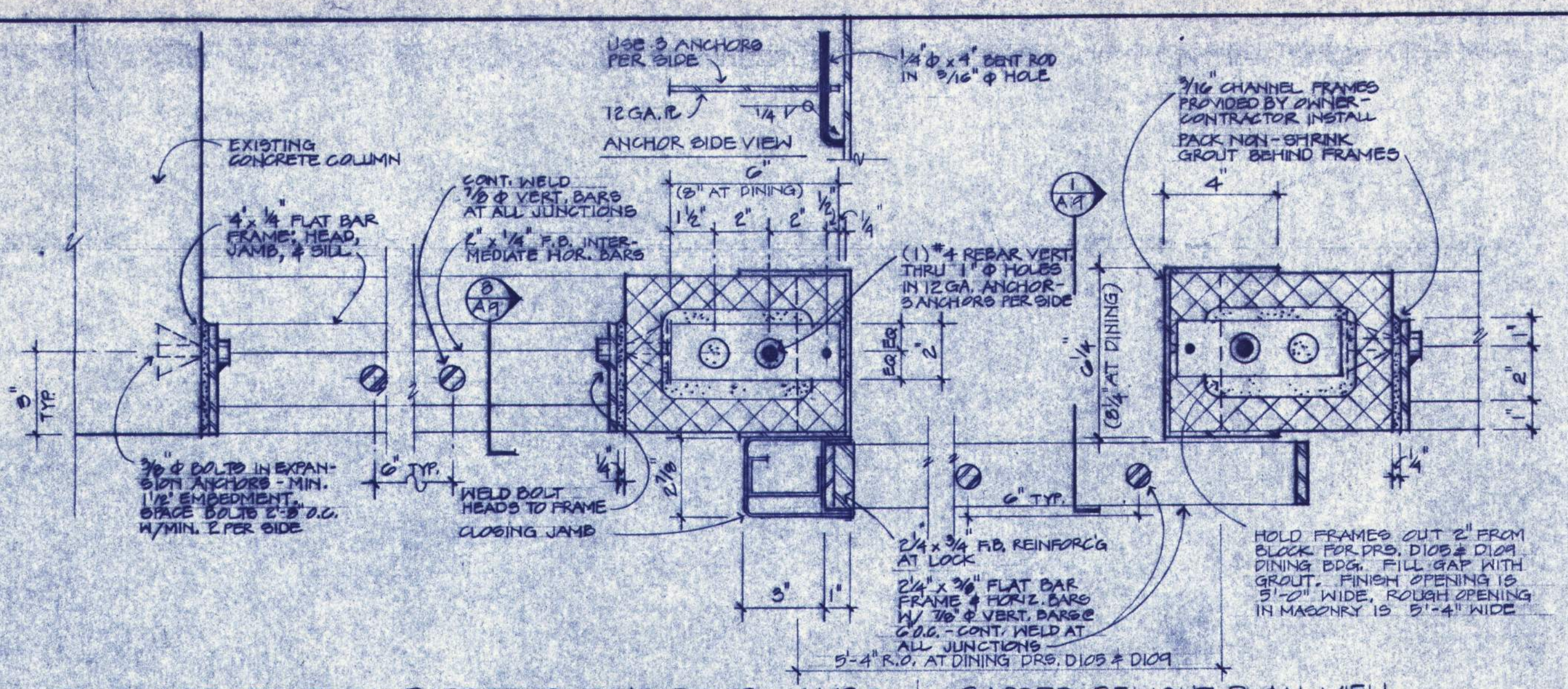
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BALZHISER, HUBBARD ASSOCIATES
1000 NE 10TH STREET, PORTLAND, OREGON 97232

REGISTERED ARCHITECT - STRUCTURAL ENGINEER
LOYD BOND & ASSOCIATES
1000 NE 10TH STREET, PORTLAND, OREGON 97232

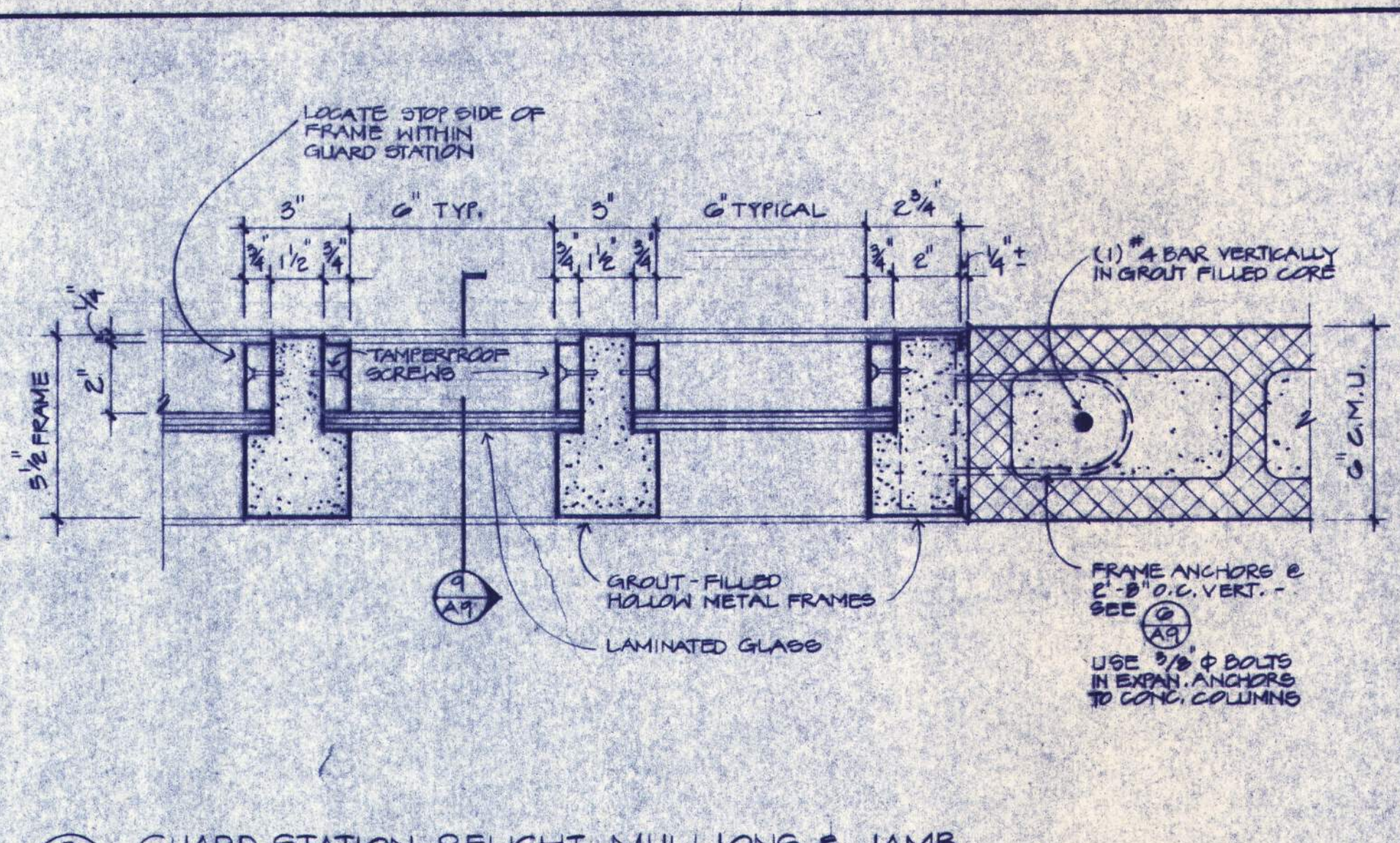
REGISTERED ARCHITECT - MECHANICAL & ELECTRICAL ENGINEERS
FRANK HONEY
1100 S. LAMAR, PORTLAND, OREGON 97202



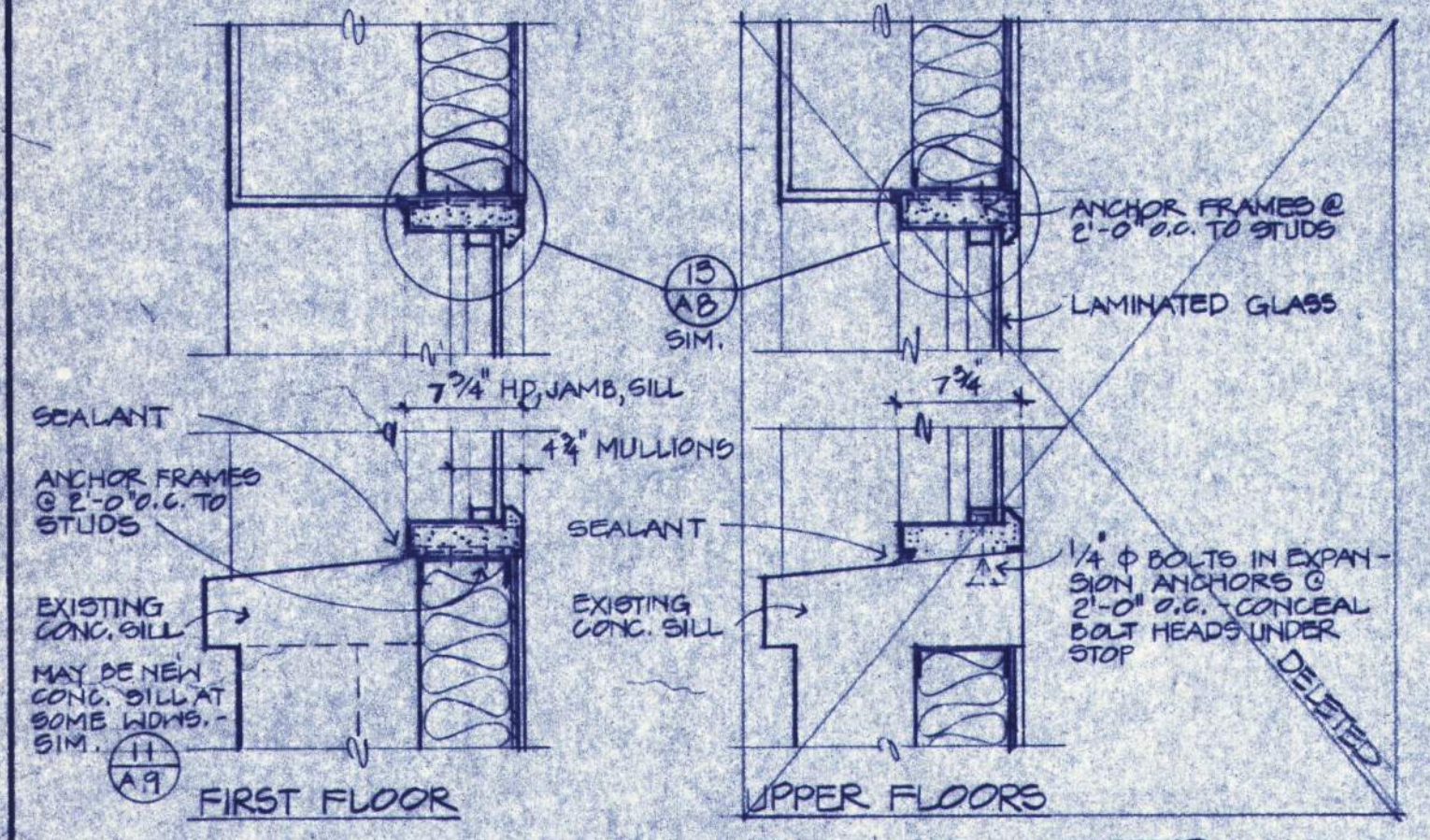
1 SLIDING DOOR HEAD & GUIDE & BOTTOM
A9 3'-1'-0"



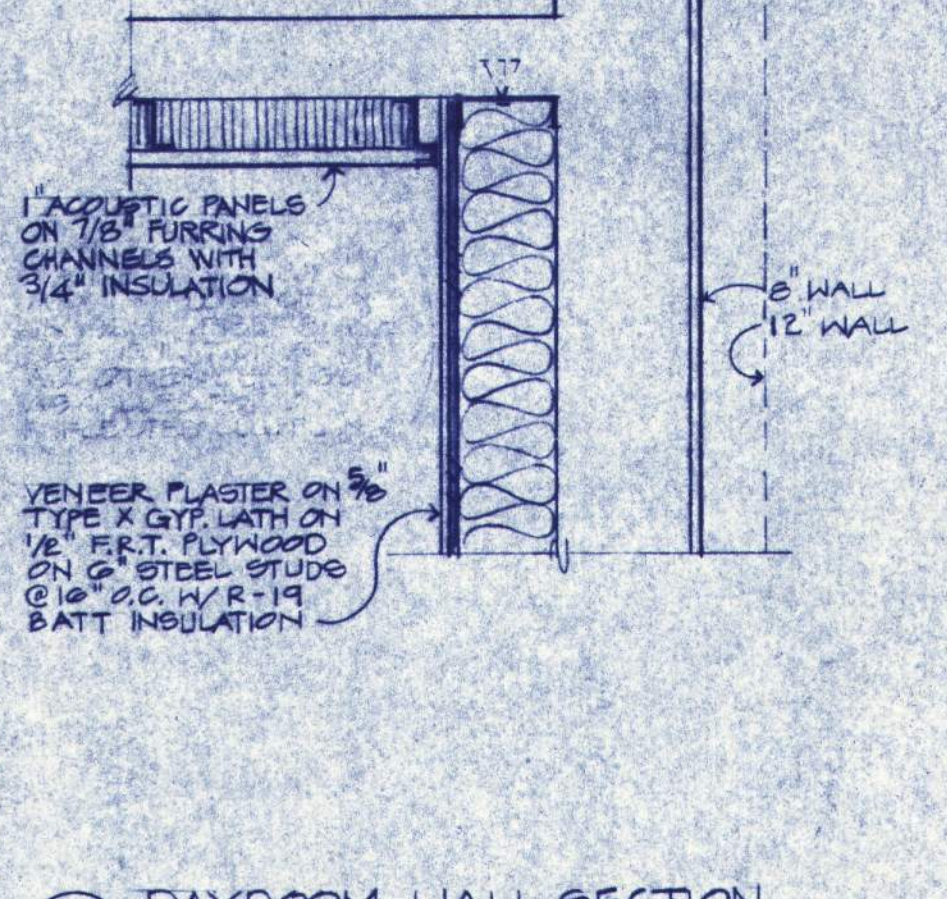
2 GUARD STATION BARRED SLIDING DOOR JAMBS & BARRED RELIGHT PLAN VIEW
A9 5'-1'-0"



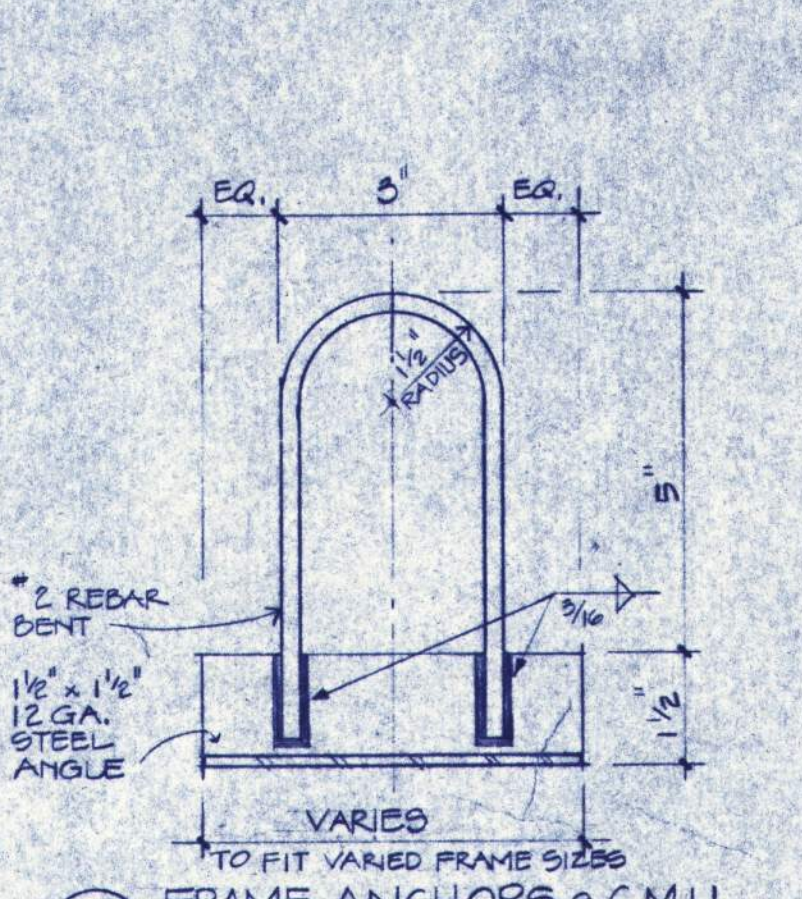
3 GUARD STATION RELIGHT MULLIONS & JAMB
A9 5'-1'-0"



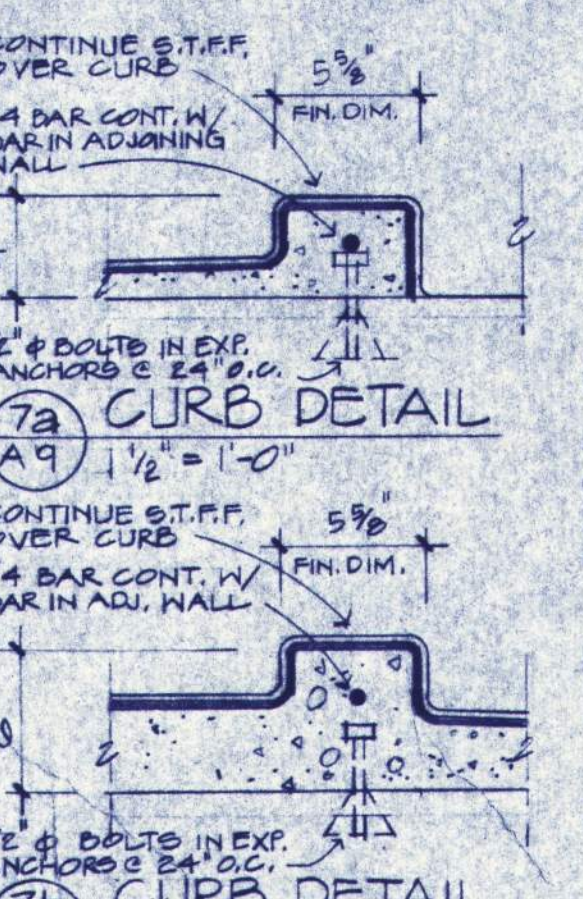
4 MULTI-PANE WINDOW HEAD & SILL AT STUDWALL
A9 1'-1'-0"



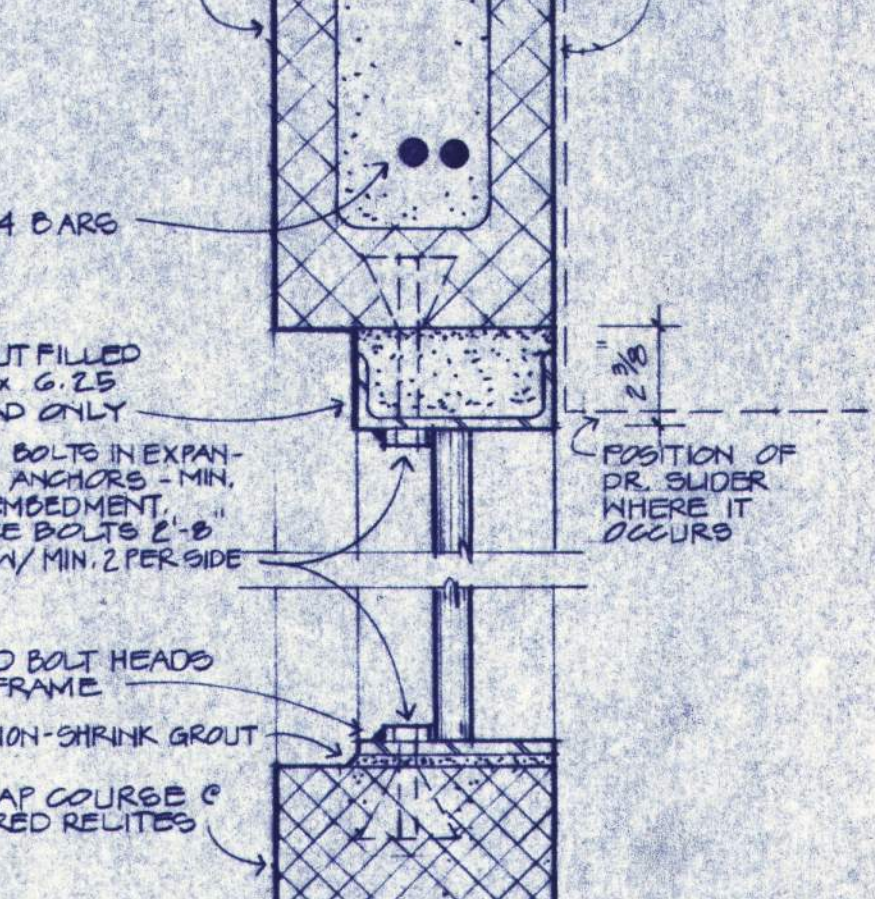
5 DAYROOM WALL SECTION
A9 1'-1'-0"



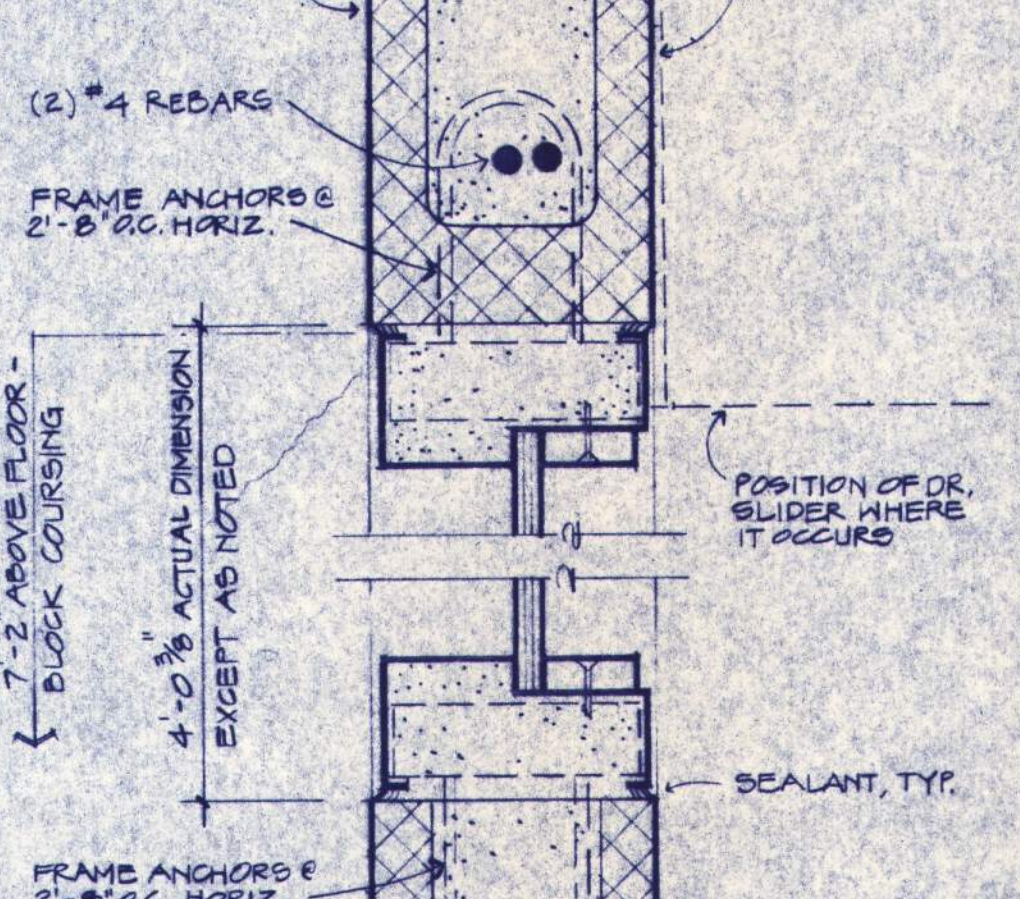
6 FRAME ANCHORS & C.M.U.
A9 3/8\"/>



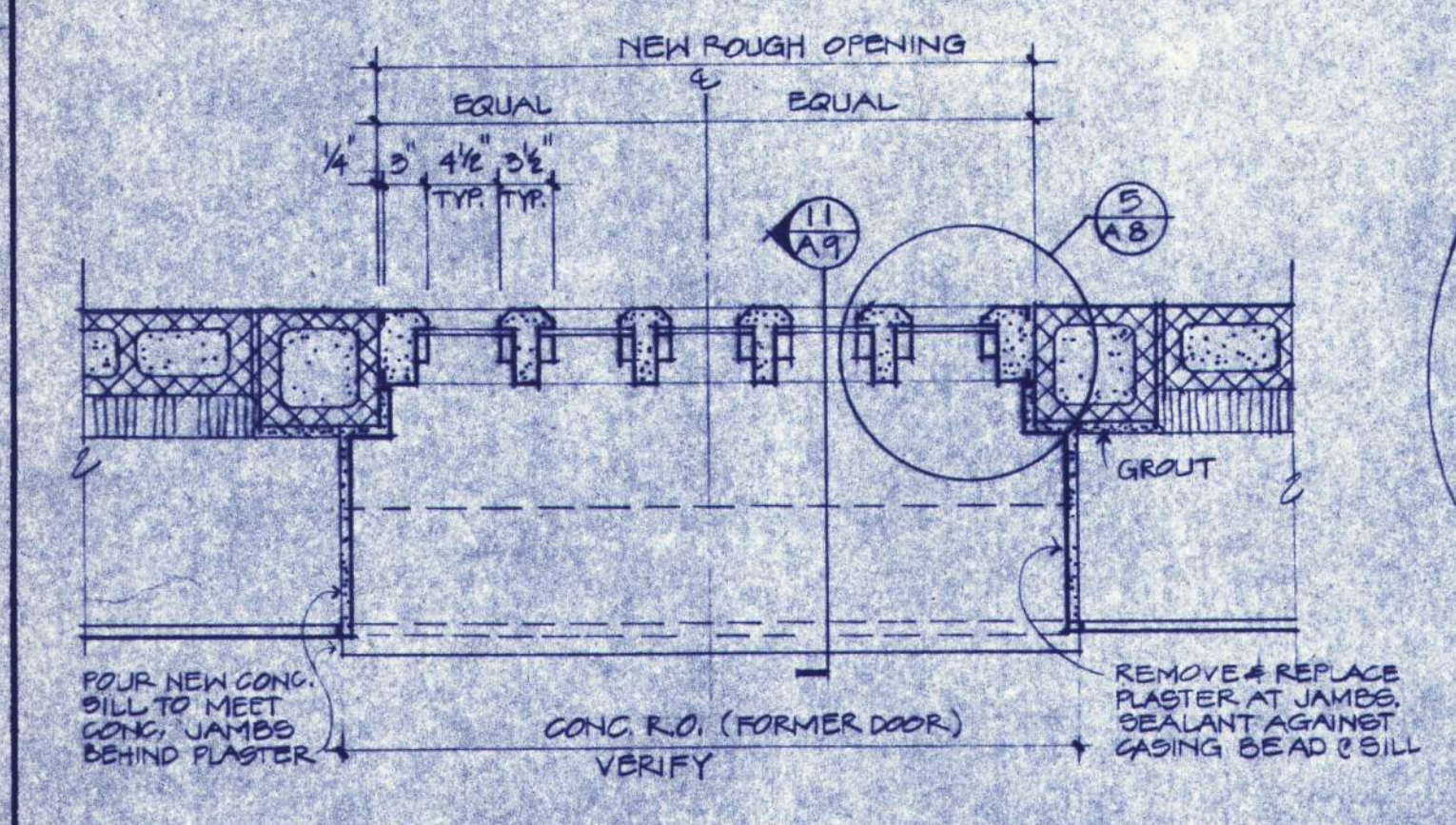
7a CURB DETAIL
A9 1 1/2\"/>



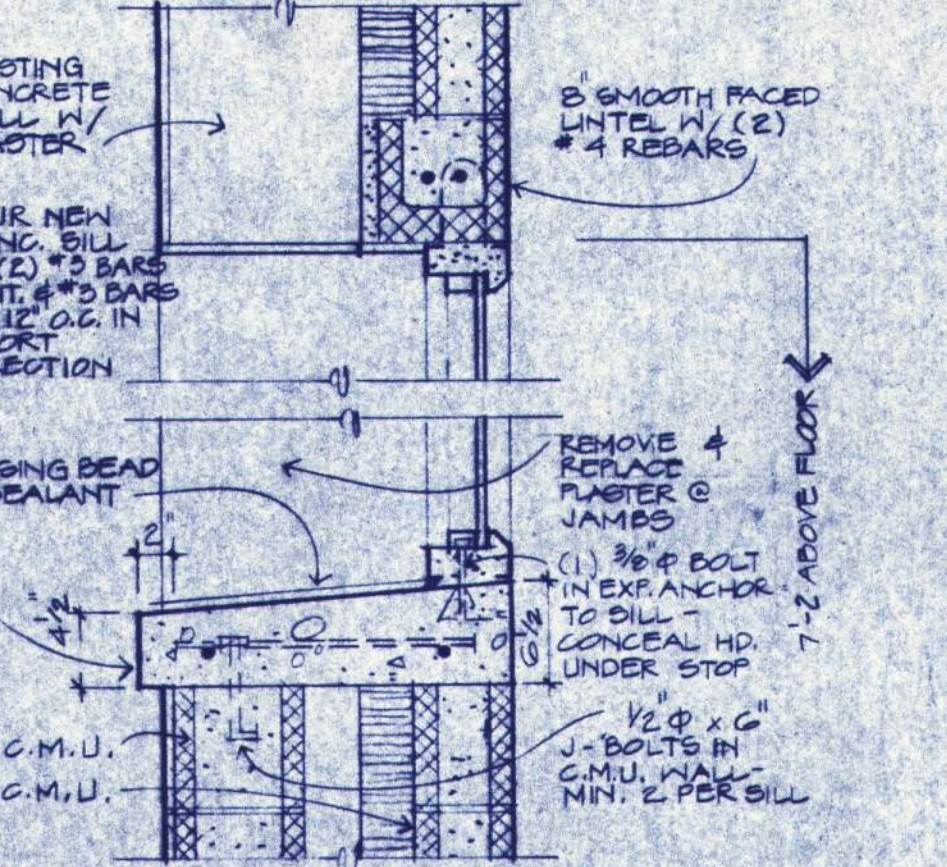
7b CURB DETAIL
A9 1 1/2\"/>



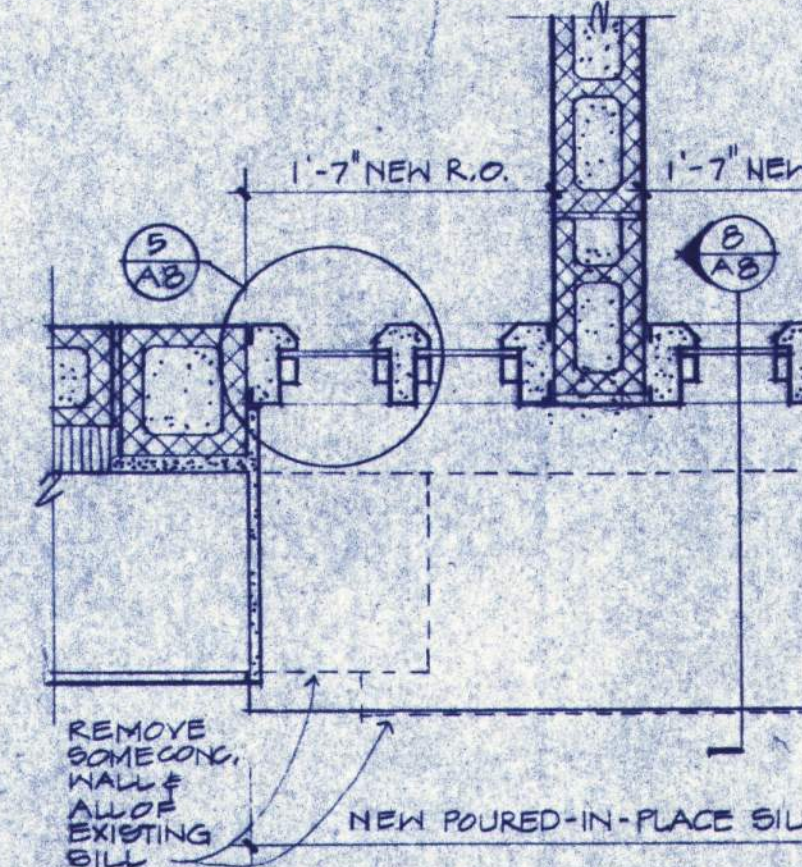
8 BARRED RELITE HEAD & SILL
A9 5'-1'-0"



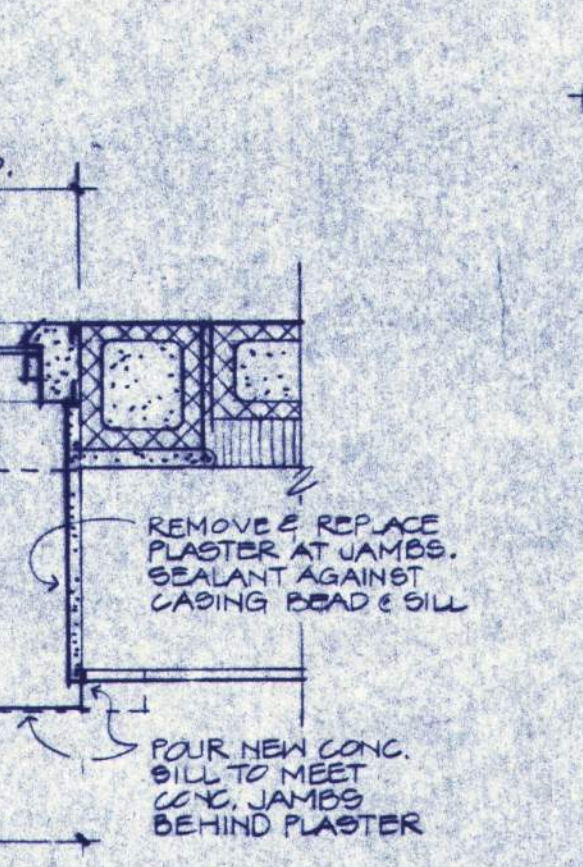
9 H.M.T.L. RELIGHT HEAD & SILL
A9 5'-1'-0"



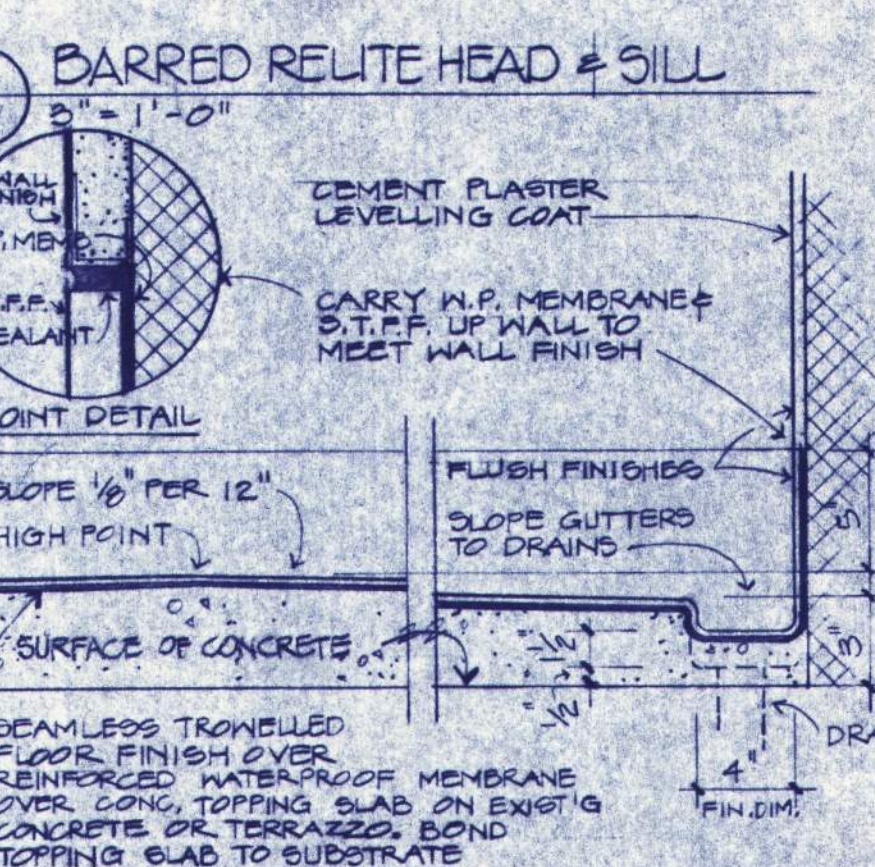
10 PLAN VIEW - CONVERT DOOR TO WINDOW
A9 1'-1'-0"



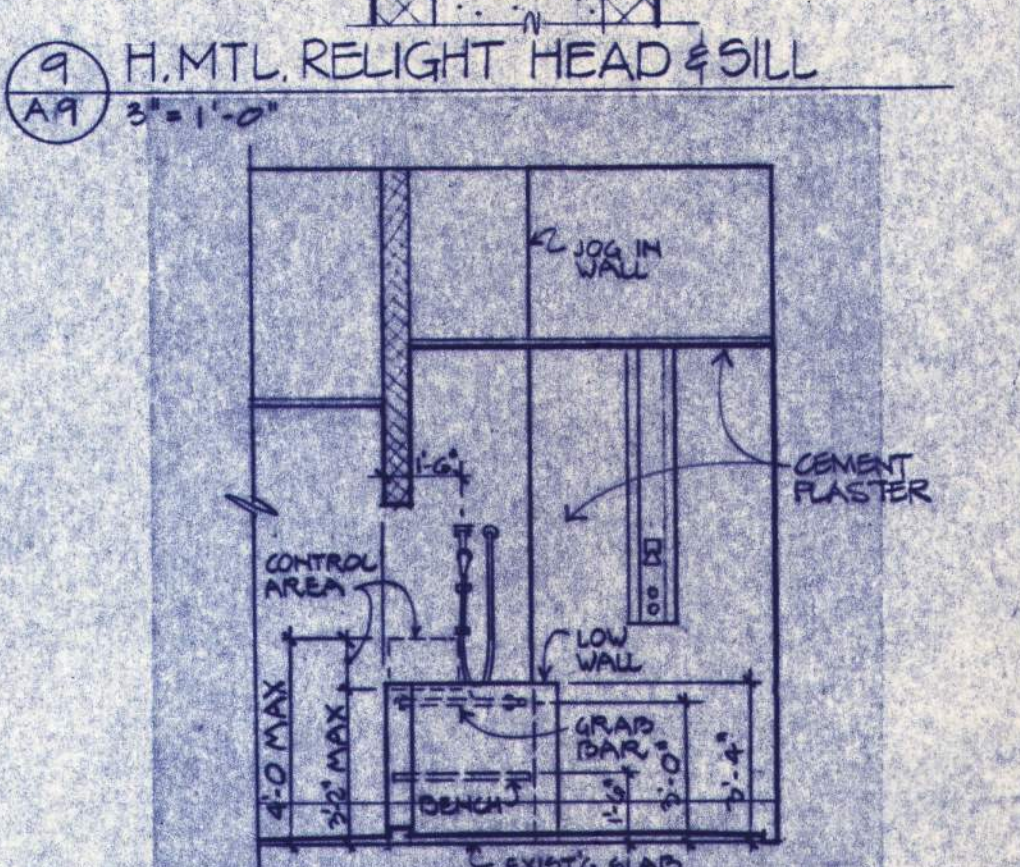
11 SECTION THRU WINDOW
A9 1'-1'-0"



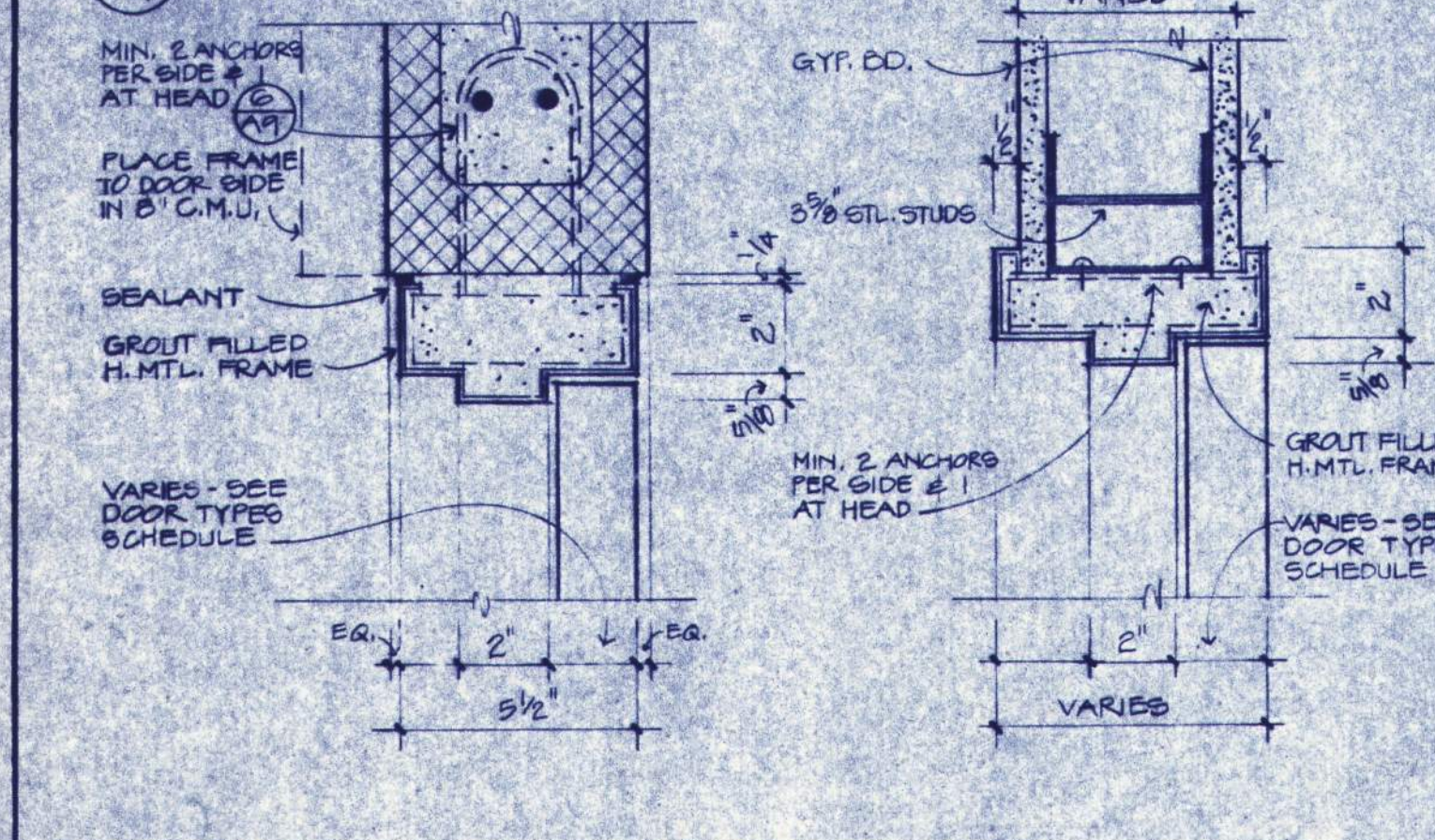
12 WIDENING EXISTING WINDOW R.O.
A9 1'-1'-0"



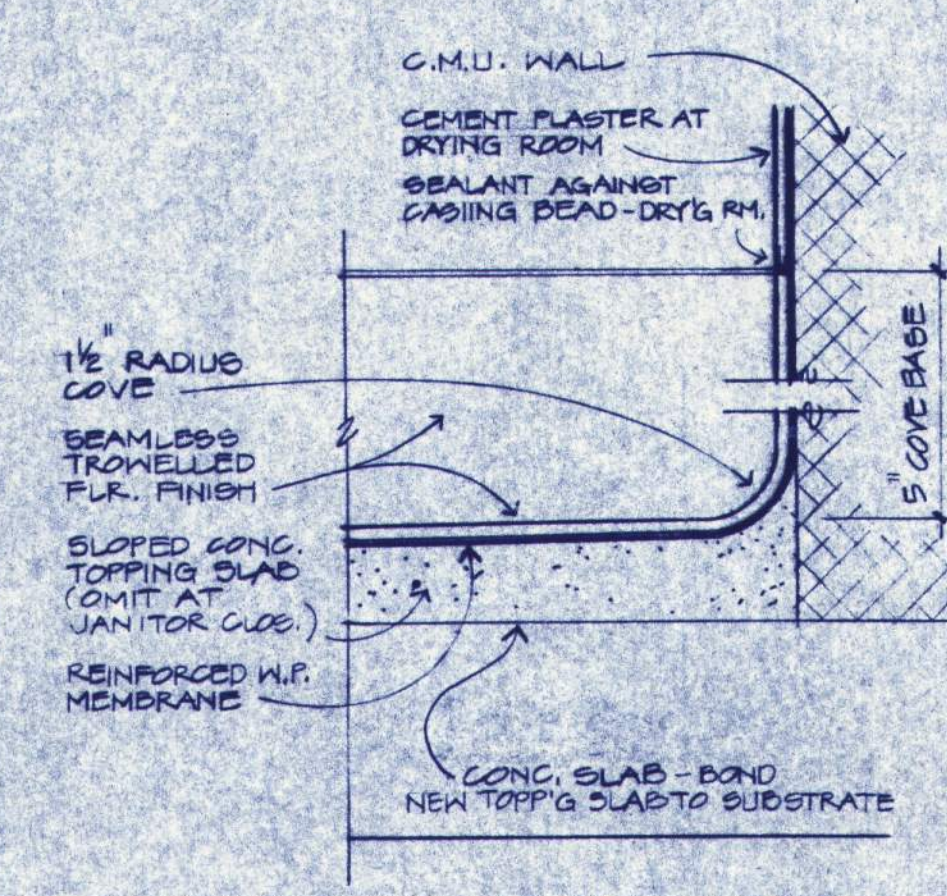
13 SHOWER ROOM FLOORS
A9 1 1/2\"/>



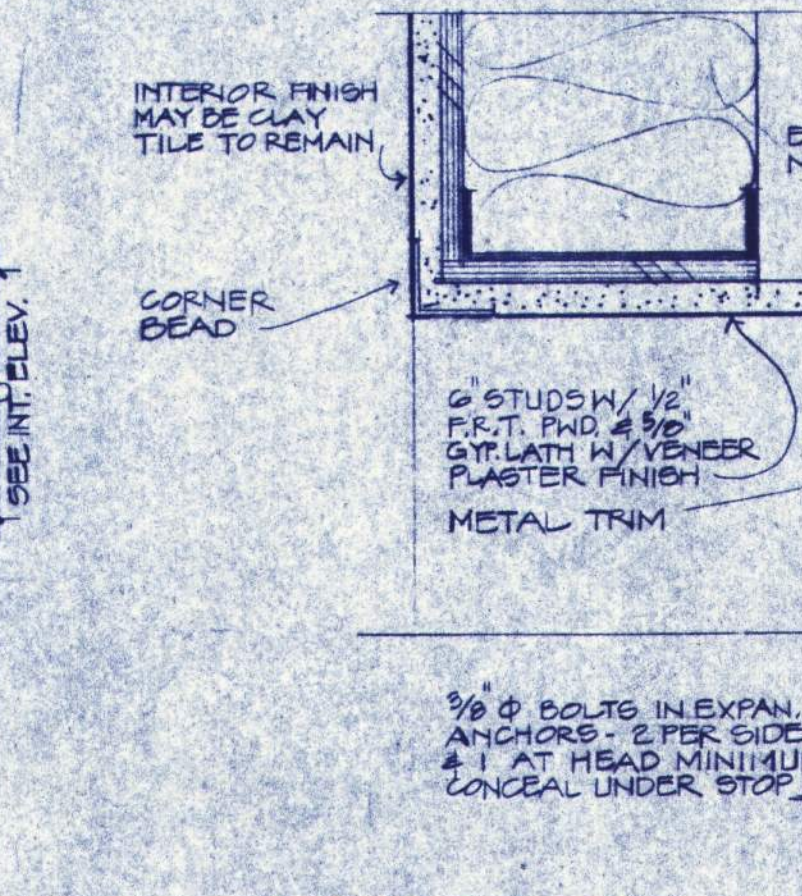
14 HANDICAP ACCESS SHOWER & C.I.
A9 1/4\"/>



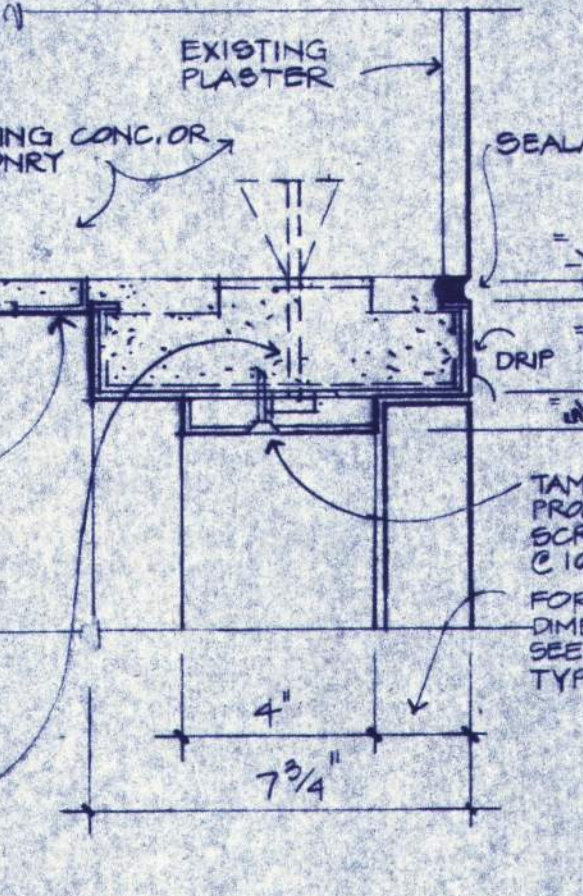
15 DOOR HEAD - C.M.U.
A9 5'-1'-0"



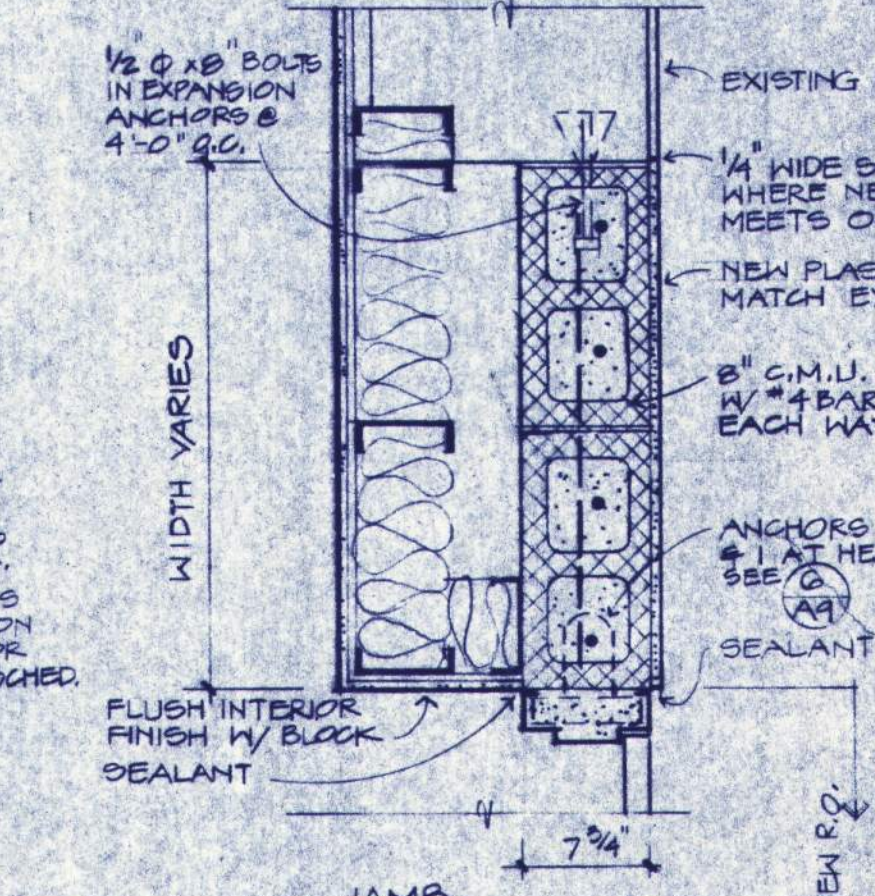
16 DR. HEAD - STUDWALL
A9 5'-1'-0"



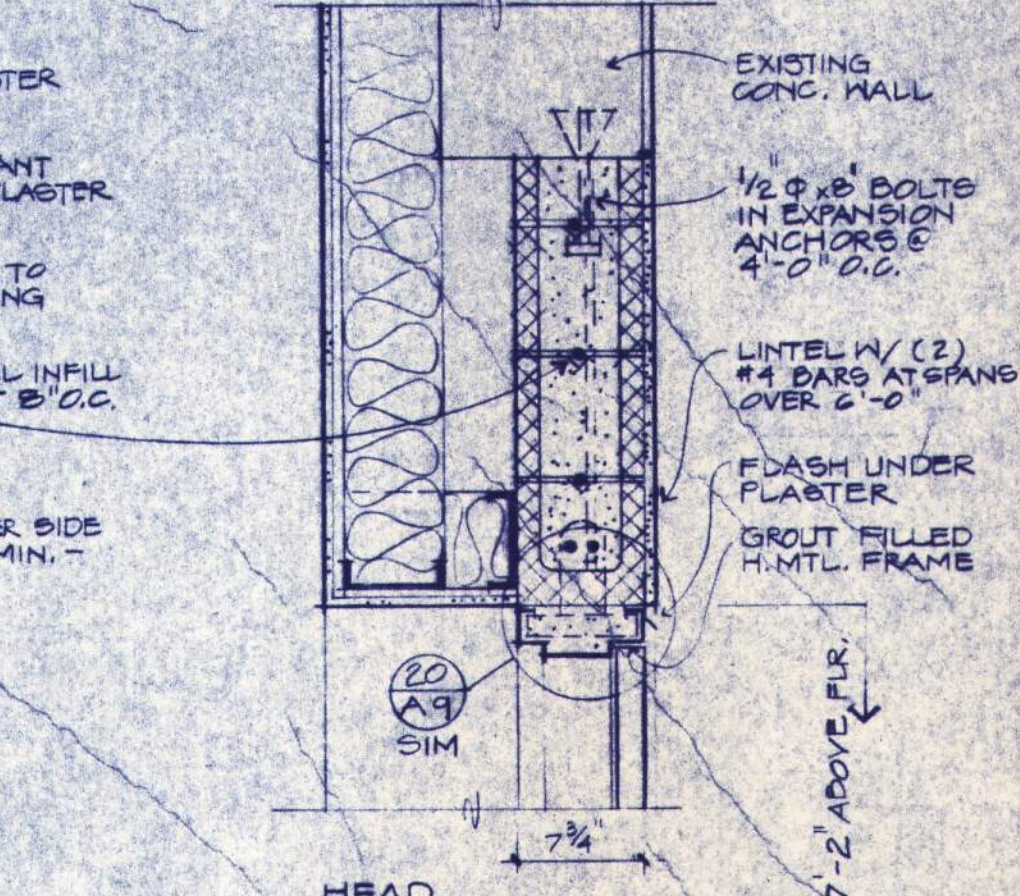
17 S.T.F.F. COVERED BASE
A9 5'-1'-0"



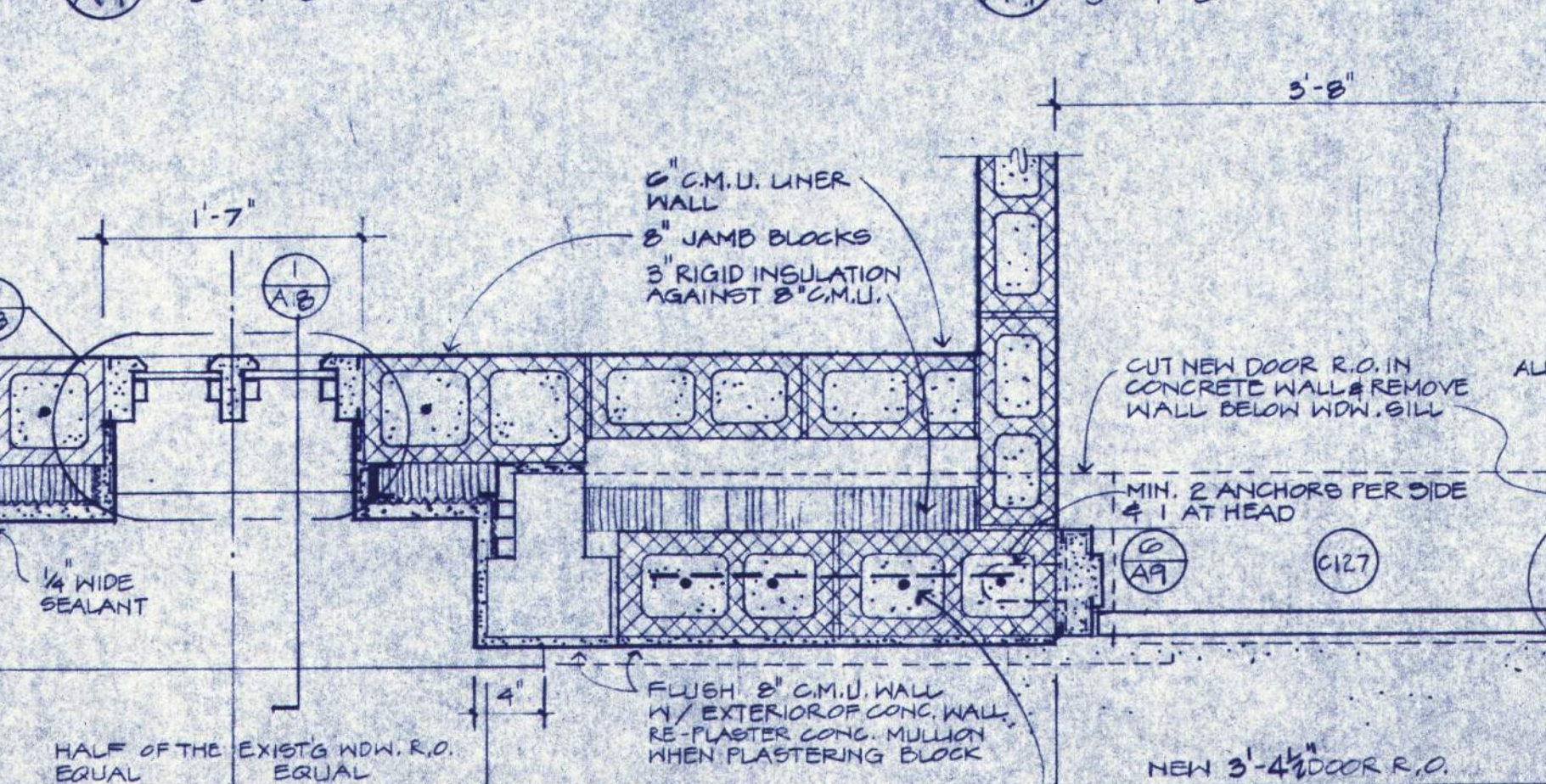
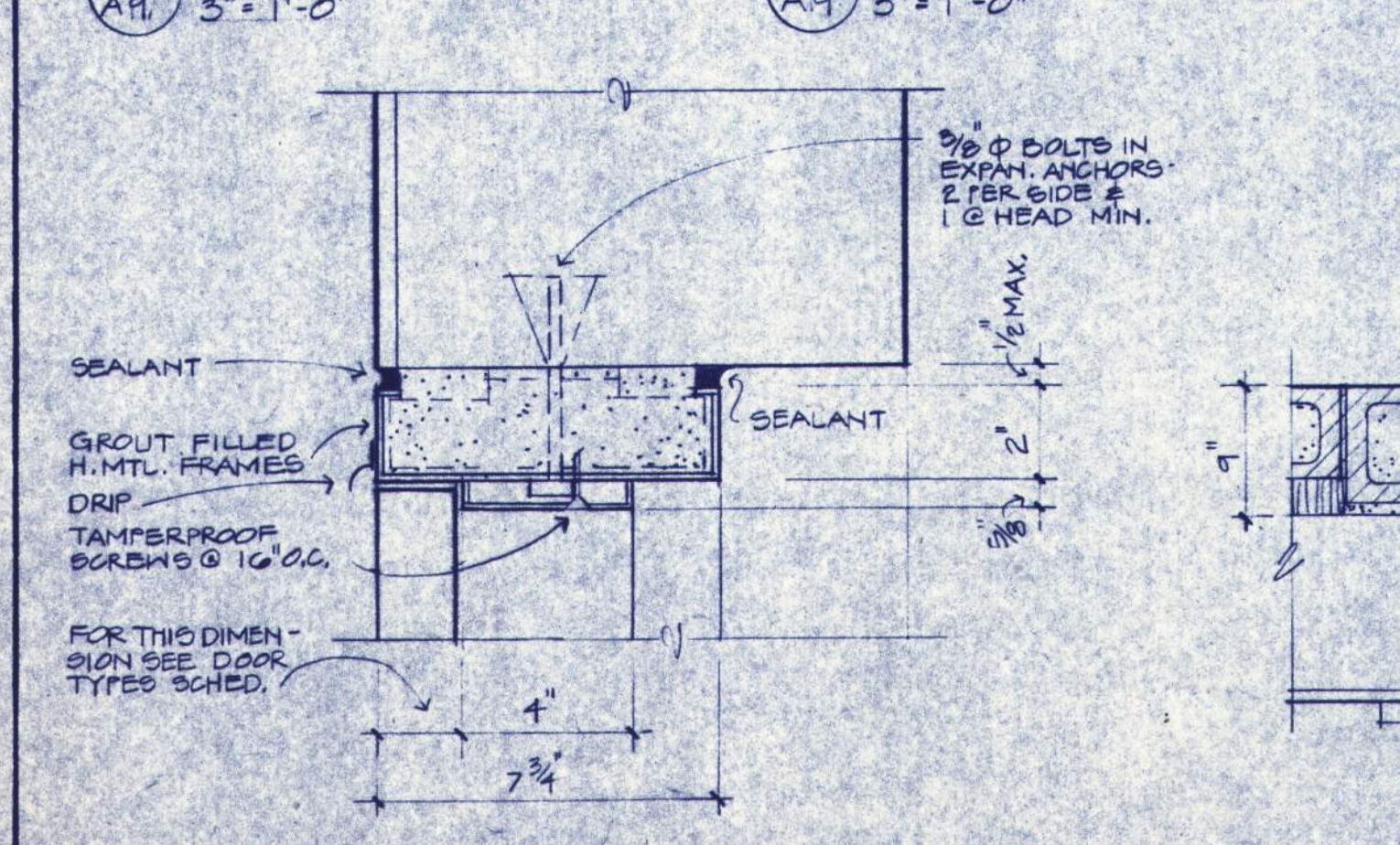
18 DOOR HEAD IN EXIST'G CONC. OR C.M.U. R.O.
A9 5'-1'-0"



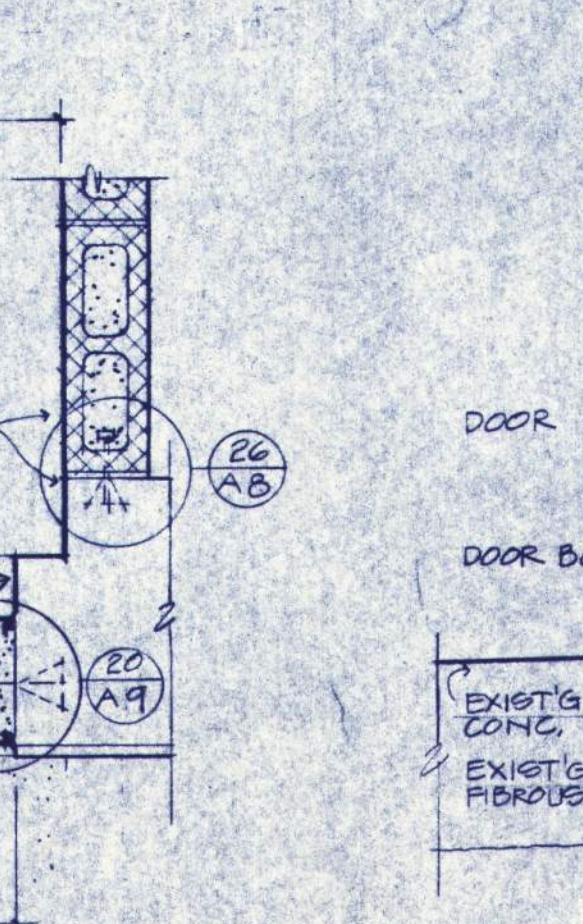
19 CONVERTING WINDOW OPENING TO DOOR OPENING
A9 1'-1'-0"



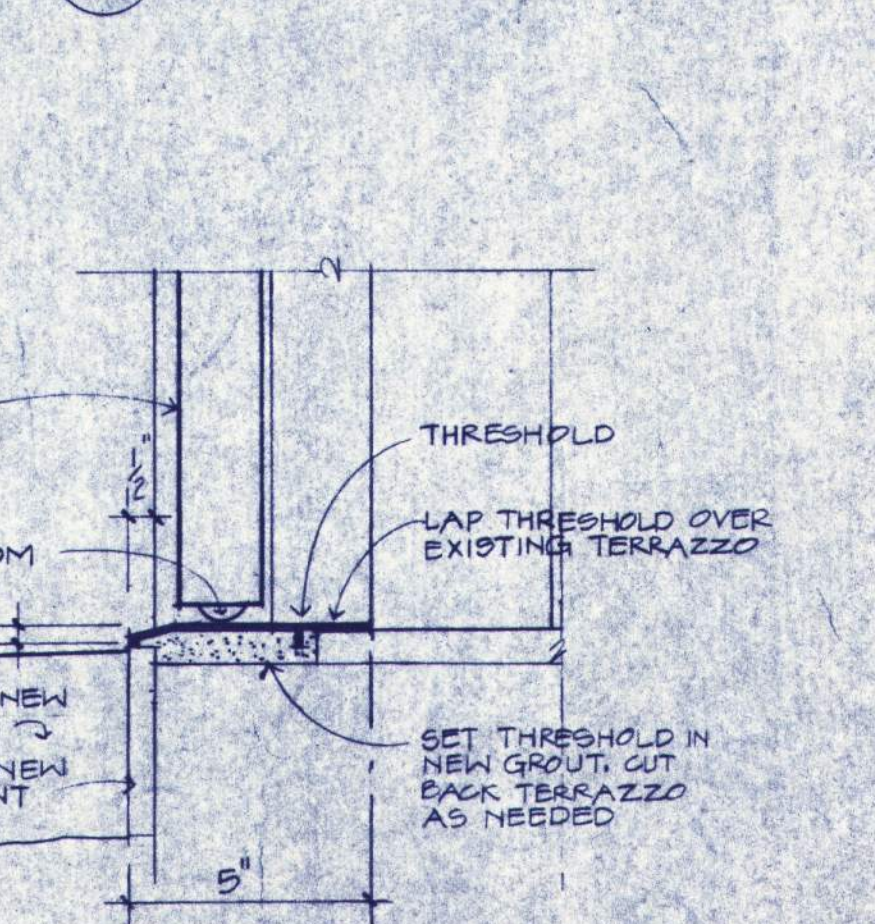
20 NEW DR. OPENING CUT IN CONCRETE
A9 5'-1'-0"



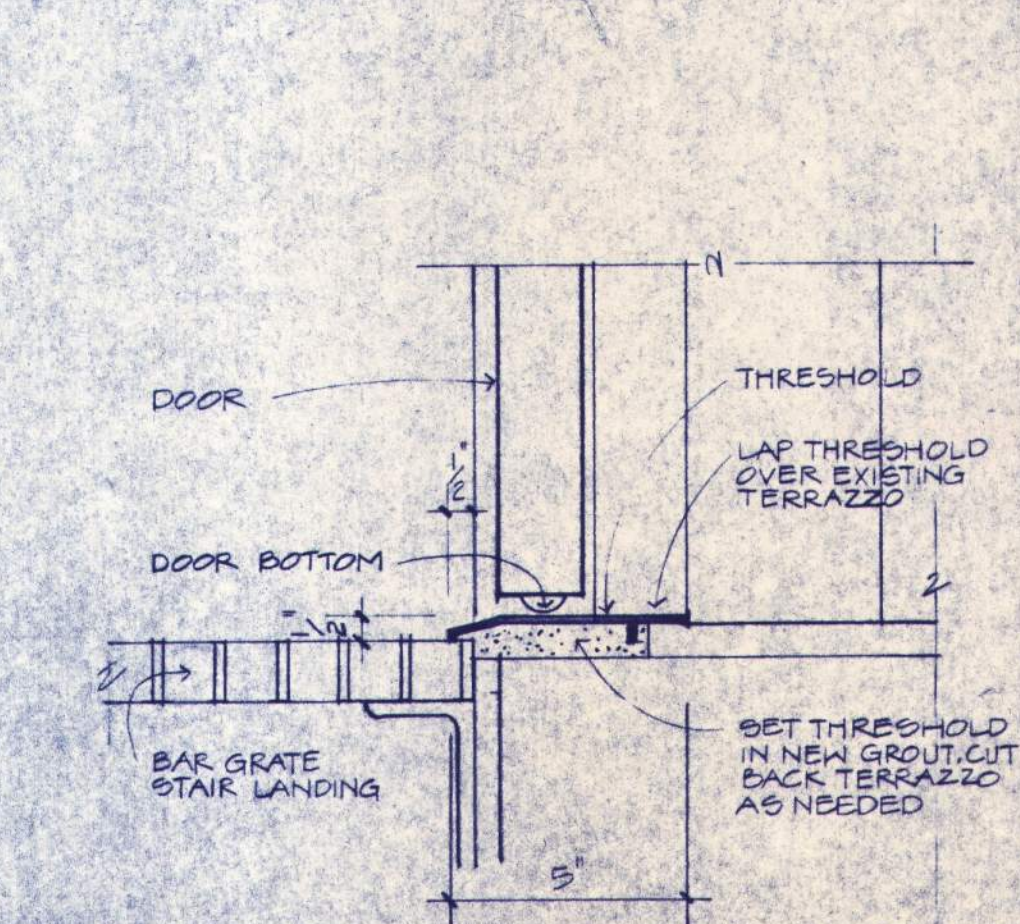
21 ENLARGED PLAN OF DOOR C127 & ADJACENT WINDOW
A9 1'-1'-0"



22 THRESHOLD TO CONG. PAD
A9 5'-1'-0"



23 THRESHOLD TO BAR GRATING
A9 5'-1'-0"



24 THRESHOLD TO BAR GRATING
A9 5'-1'-0"

PHASE 6

EASTERN OREGON CORRECTIONAL INSTITUTION

PENDELTON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 (503) 223-1811
853 THIRTIETH AVENUE EAST, EUGENE, OREGON 97401 (503) 344-3249

REGISTERED ARCHITECT
LLOYD BOND & ASSOCIATES
1837 OAK STREET, EUGENE, OREGON 97401

REGISTERED ARCHITECT
FRANK HONEY
1835 S. W. LAMAR WAY, LAKE, OREGON 97137

REGISTERED ARCHITECT
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
200 N. W. 10TH STREET, ASTORIA, OREGON 97103

APPROVED
DRAWN S.B.
DATE 1-10-88
JOB 801.6



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
880 MARSHY STREET, EUGENE, OREGON 97401

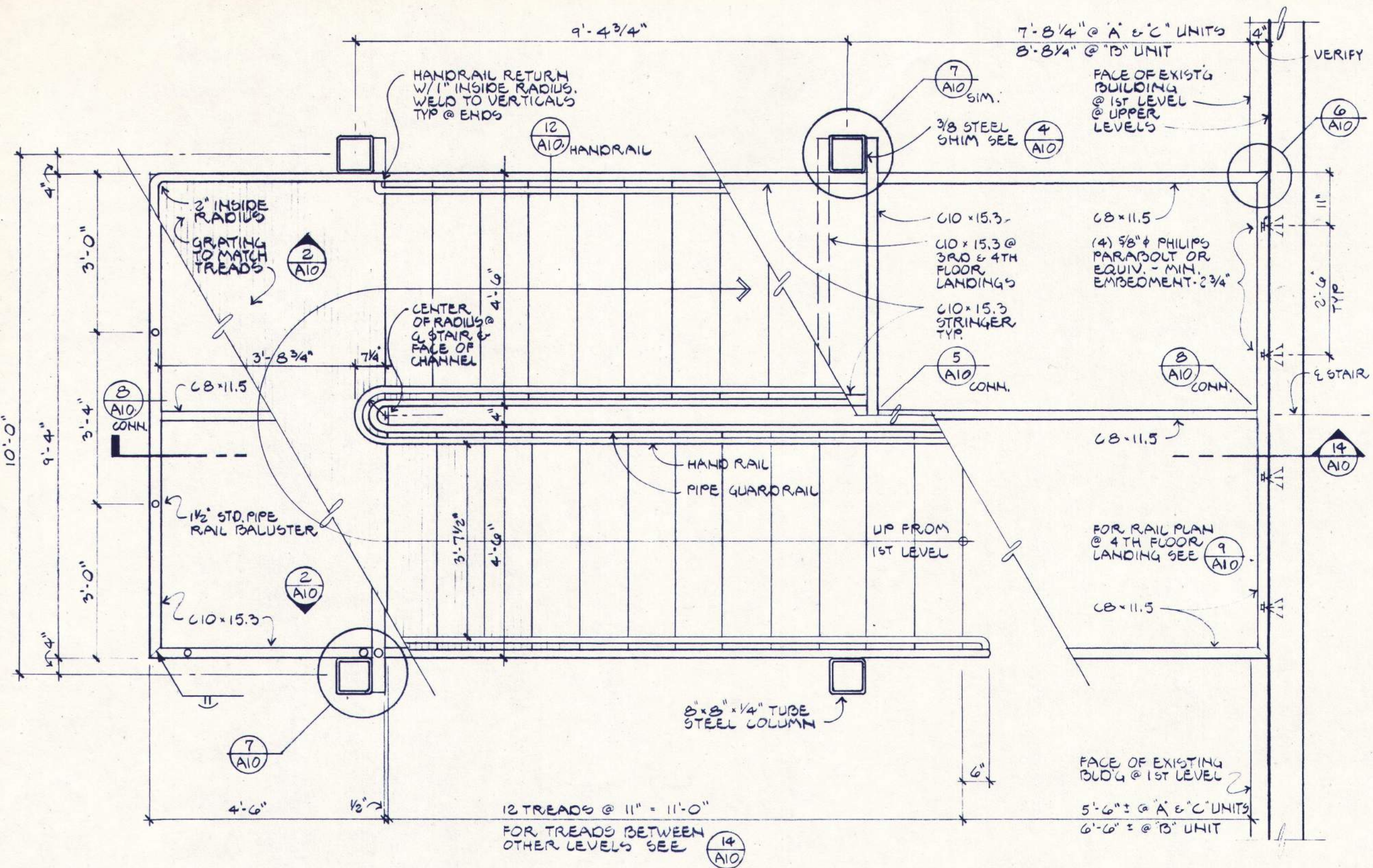
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1871 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
898 S. W. LAUREL LEAF LANE, PORTLAND, OREGON 97225

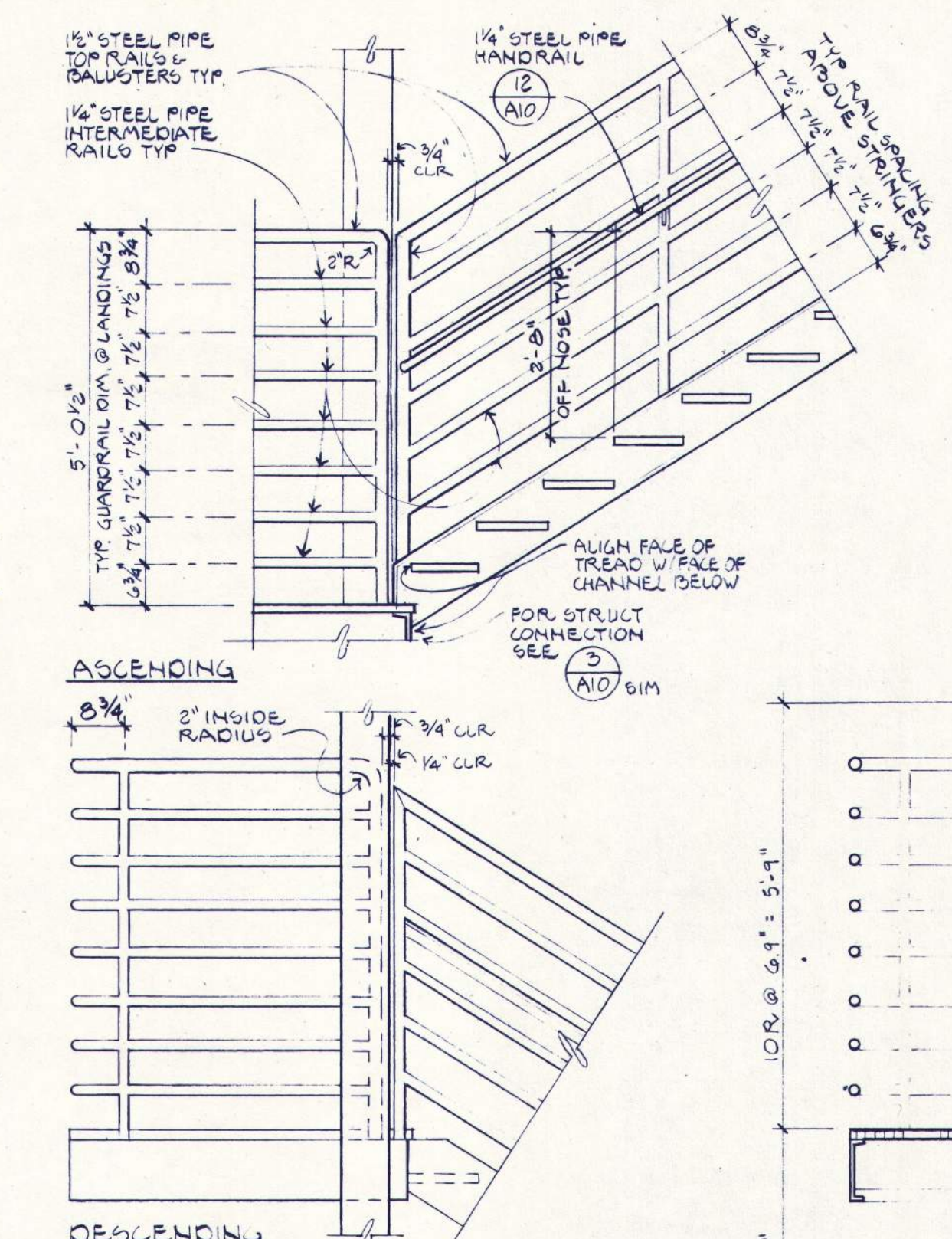
EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
OREGON STATE CORRECTIONS DIVISION
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

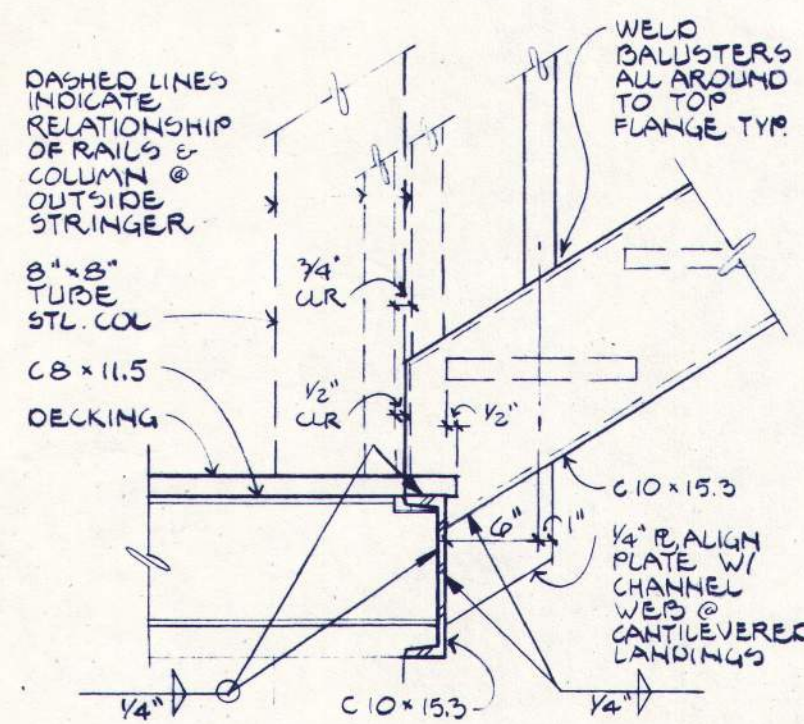
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883 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3249



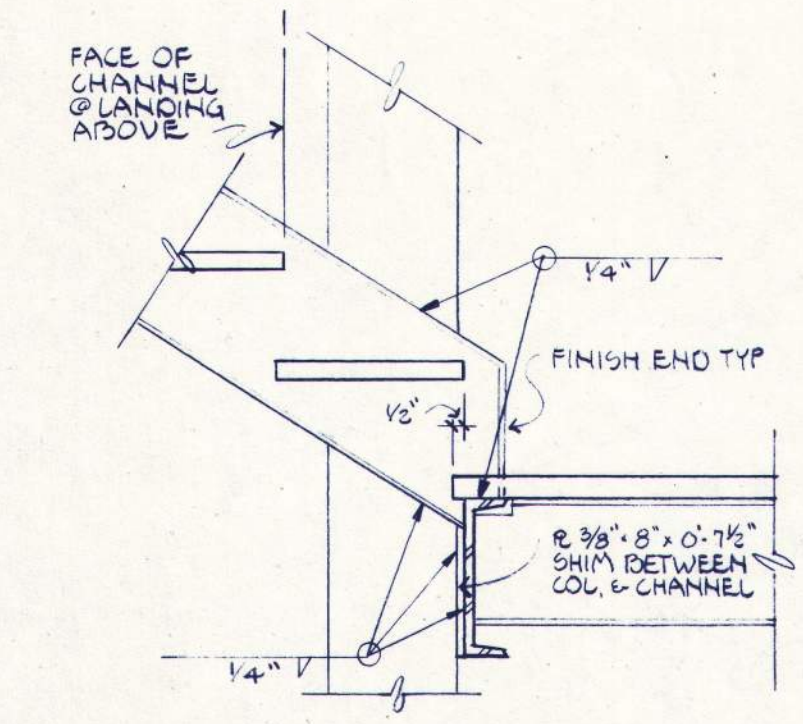
1 STEEL STAIR PLAN
1/2" = 1'-0"



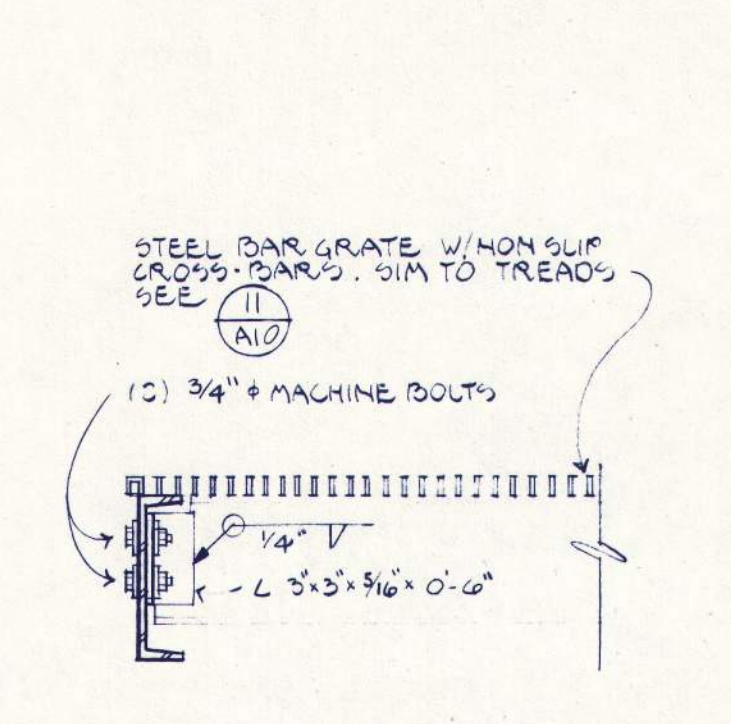
2 OUTSIDE RAIL
1/2" = 1'-0"



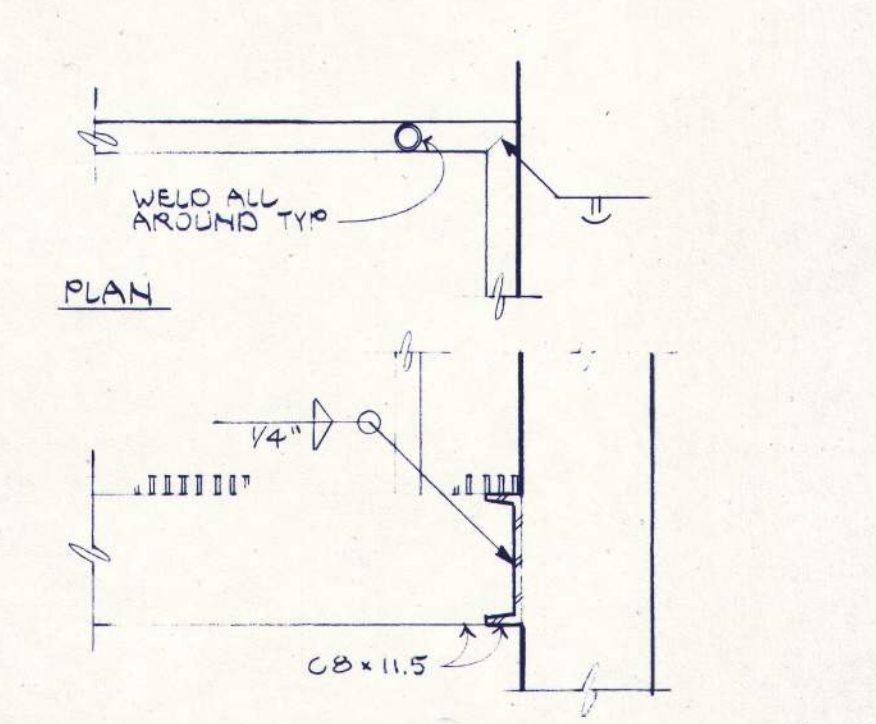
3 STRINGER @ INSIDE
1" = 1'-0"



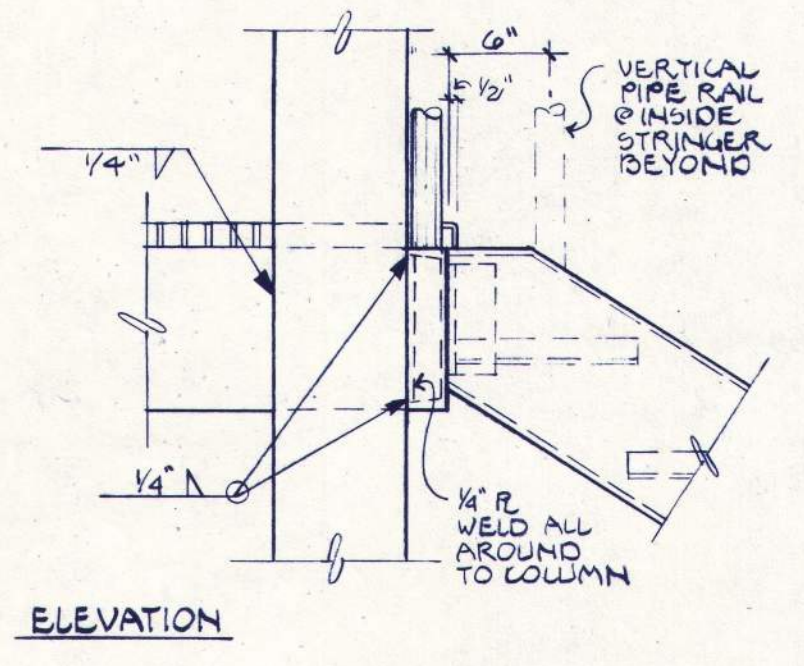
4 STRINGER @ 2ND FLR LANDG
1" = 1'-0"



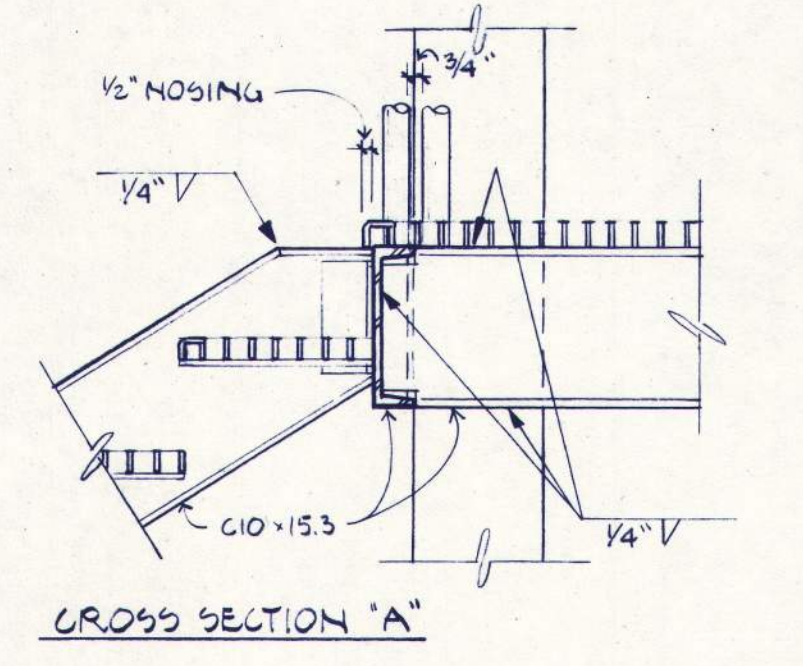
5 INSIDE LANDG CONNECT
1" = 1'-0"



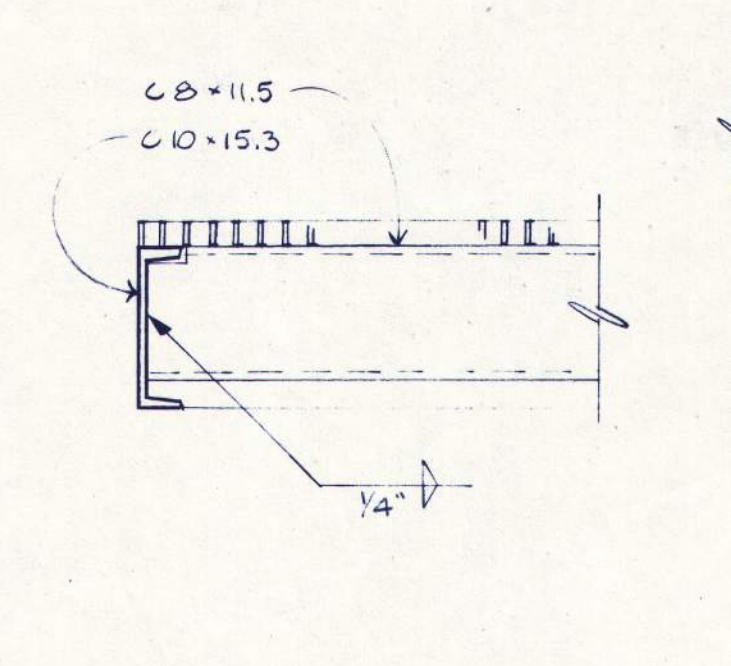
6 LANDING CORNER @ WALL
1" = 1'-0"



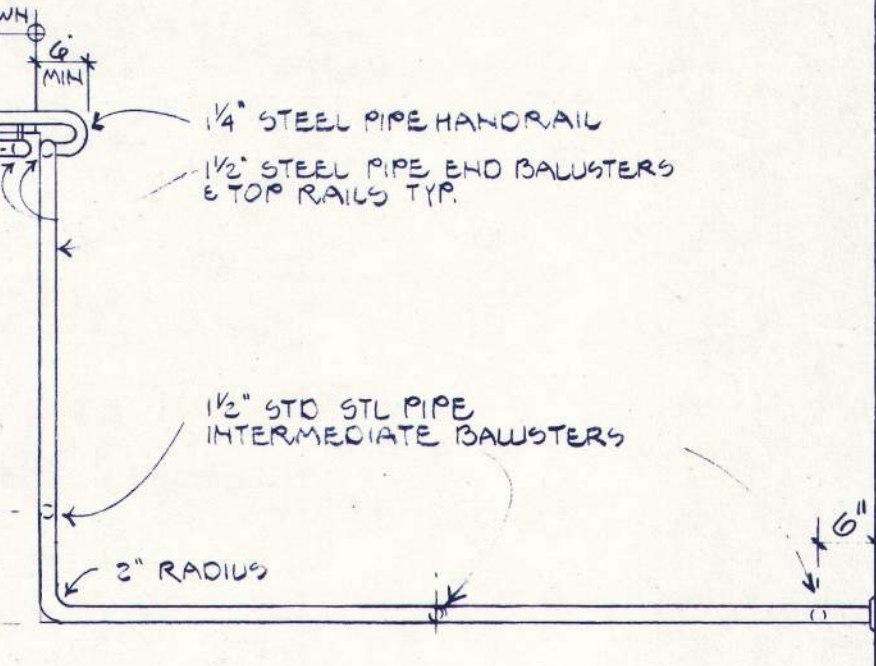
ELEVATION



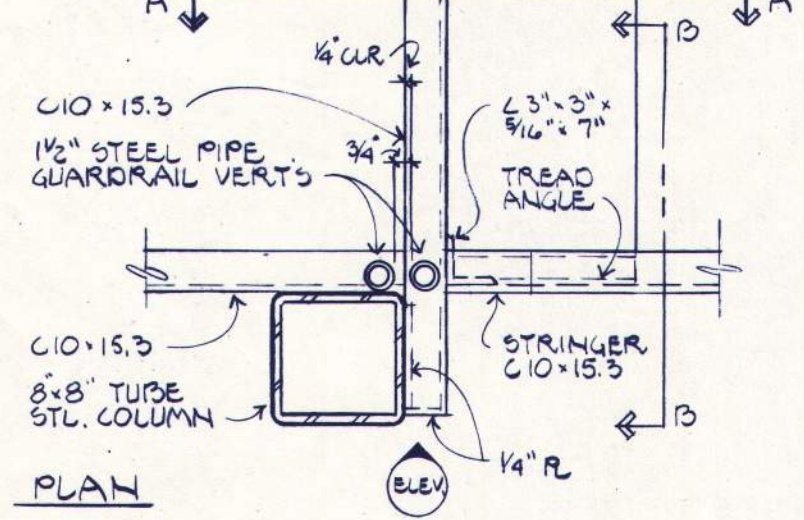
CROSS SECTION 'A'



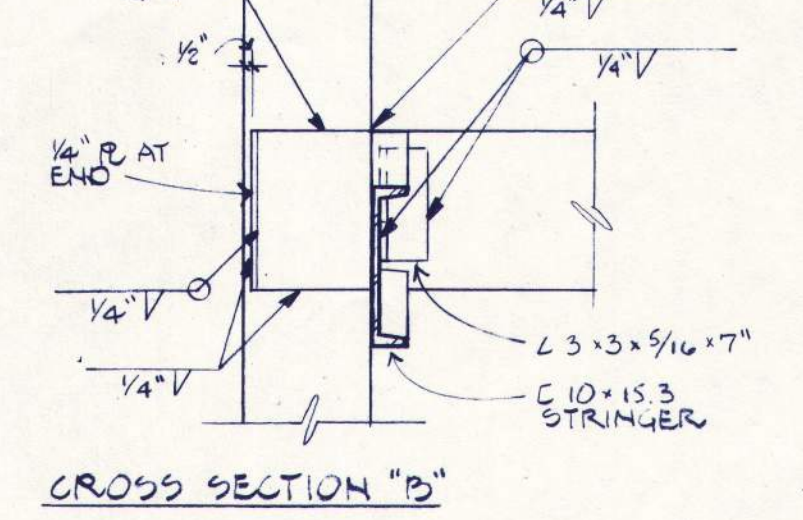
7 LANDING CONNECT
1" = 1'-0"



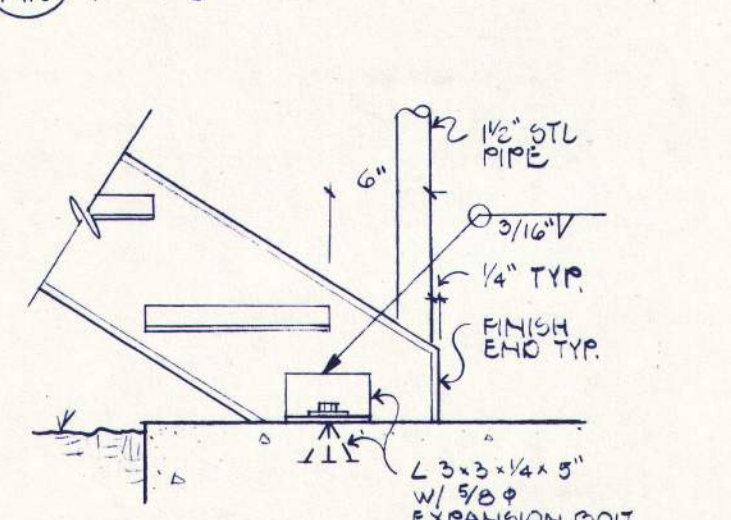
8 PARTIAL RAIL PLAN - 4TH FLR LANDG
1" = 1'-0"



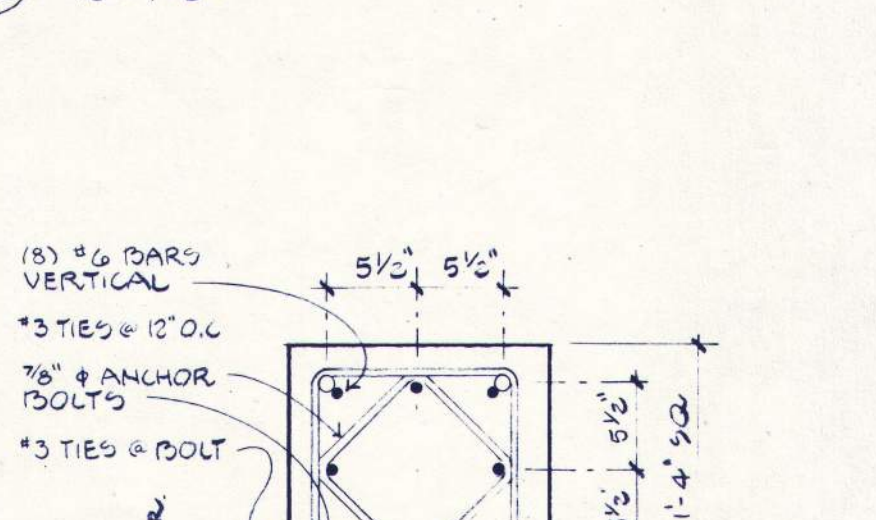
PLAN



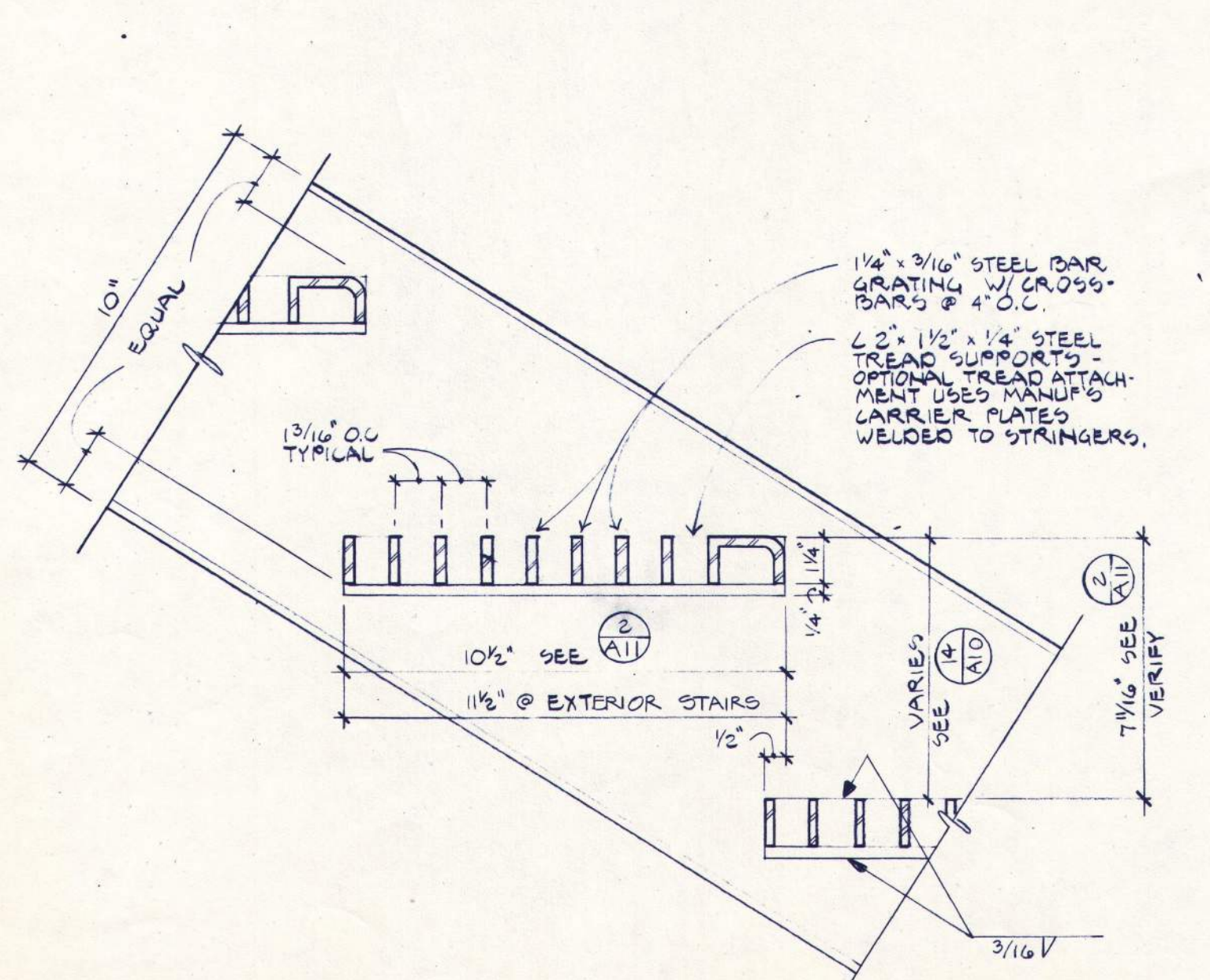
CROSS SECTION 'B'



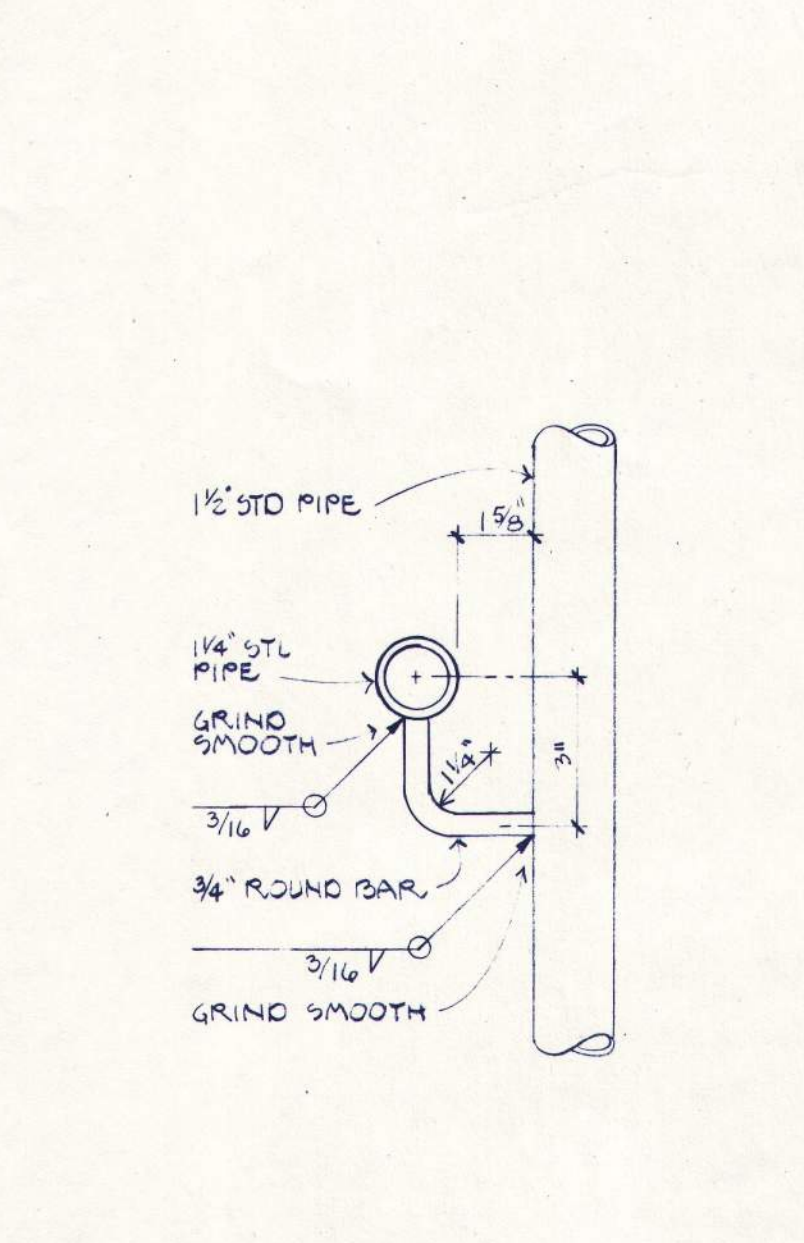
9 STRINGER CONNECTION
1" = 1'-0"



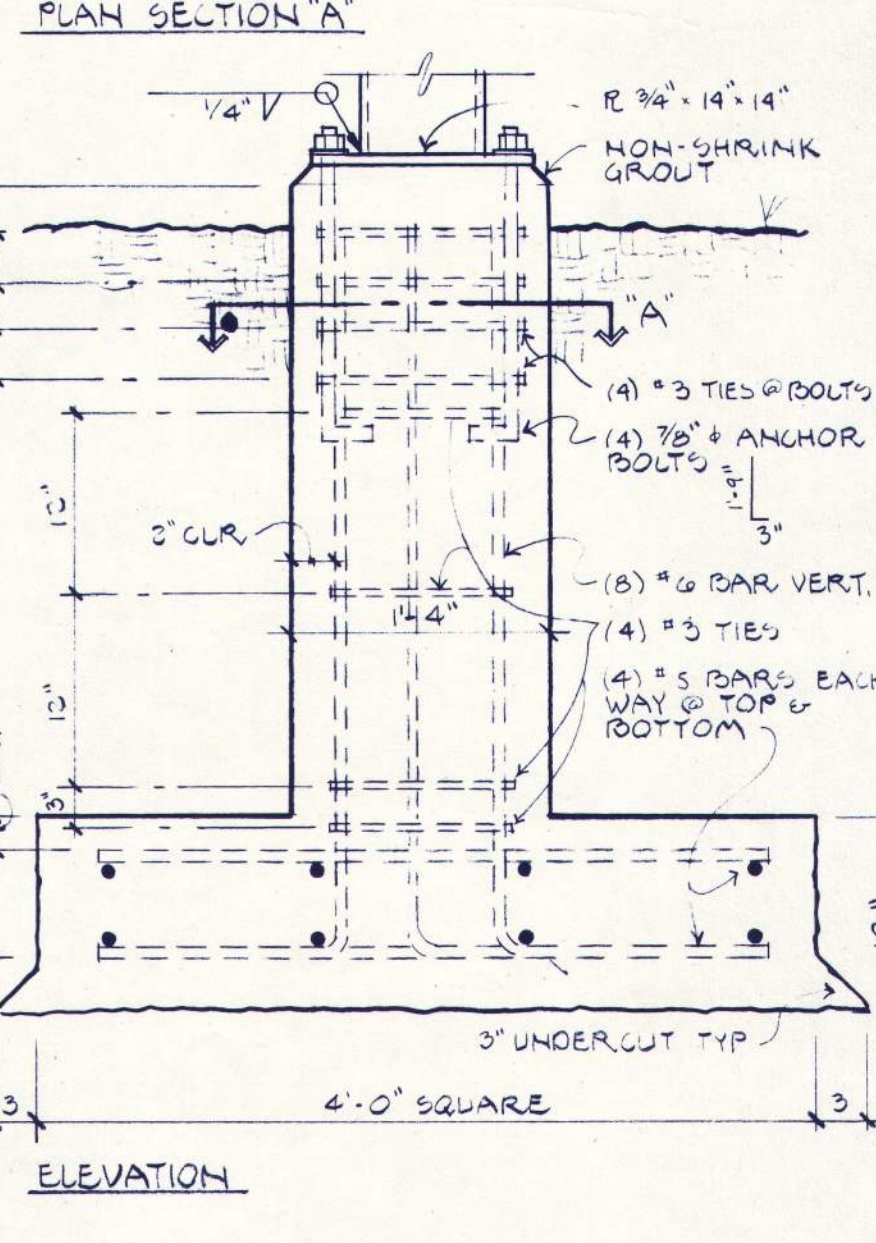
PLAN SECTION 'A'



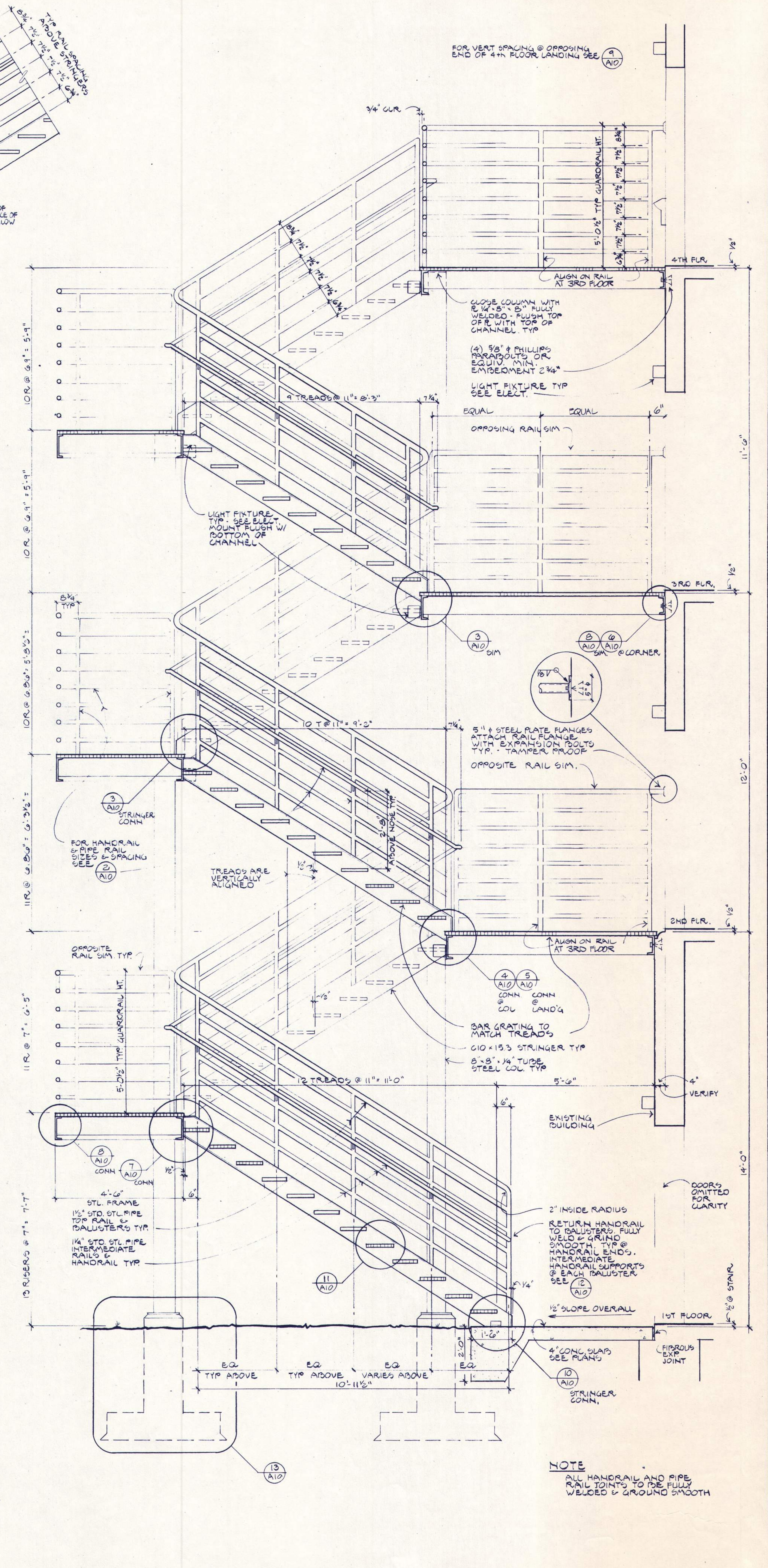
11 STAIR TREADS
3" = 1'-0"



12 HANDRAIL
3" = 1'-0"



13 COLUMN FOOTING
1" = 1'-0"



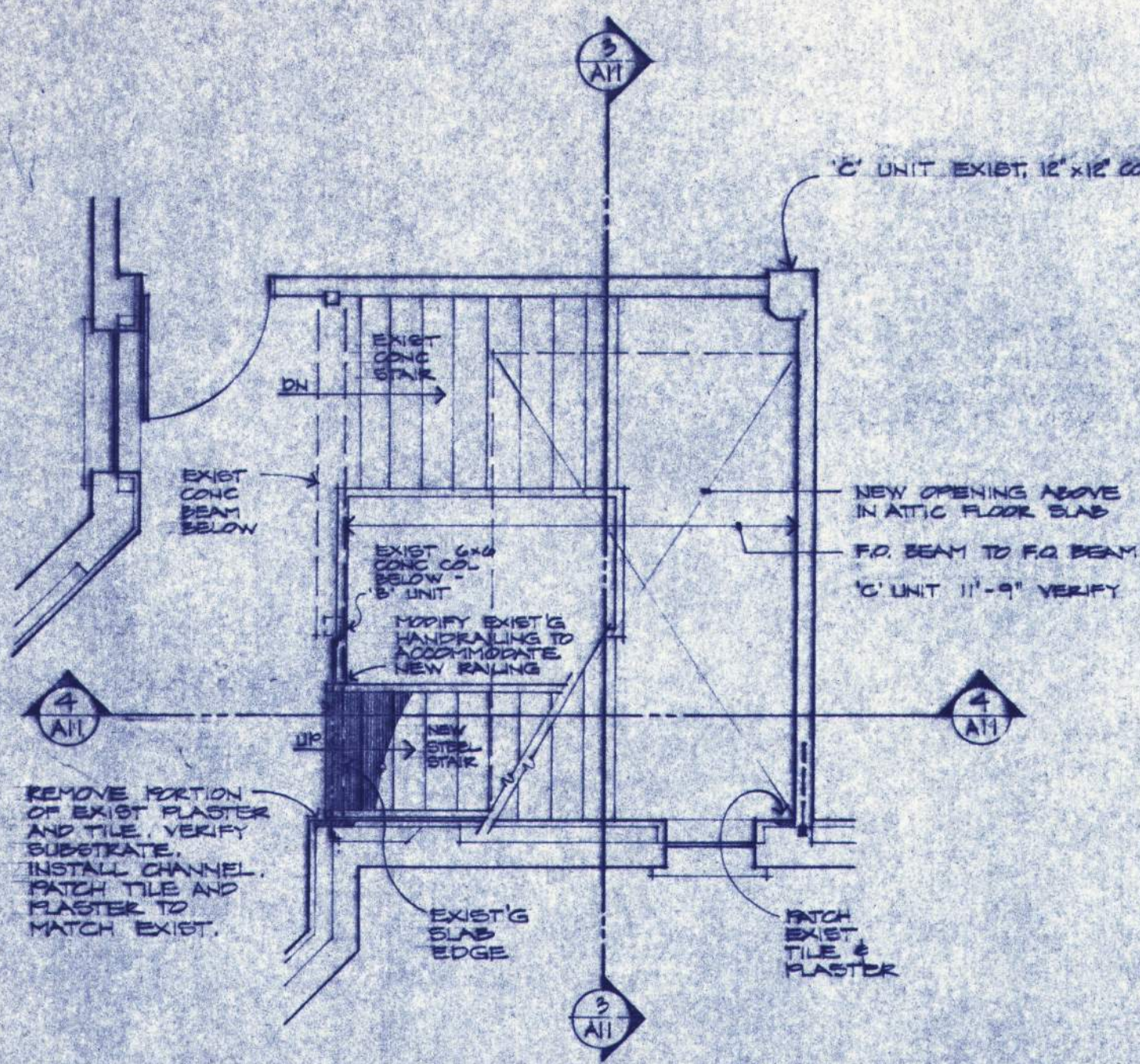
14 STEEL STAIR SECTION - EXTERIOR STAIRS
1/2" = 1'-0"

NOTE
ALL HANDRAIL AND PIPE RAIL JOINTS TO BE FULLY WELDED & GRIND SMOOTH

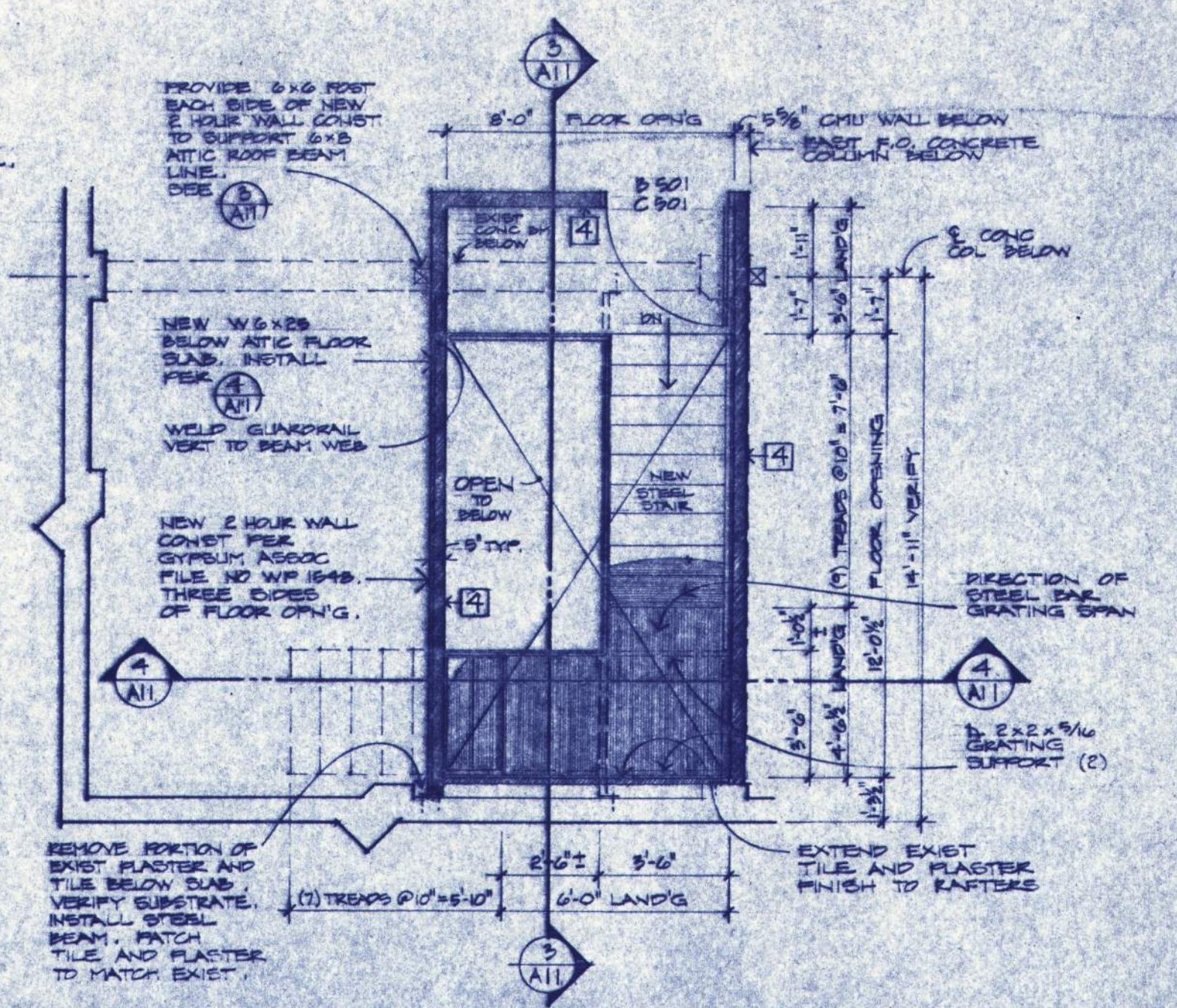
APPROVED D.G.
DRAWN D.G.
DATE 2-10-88
JOB 801.6



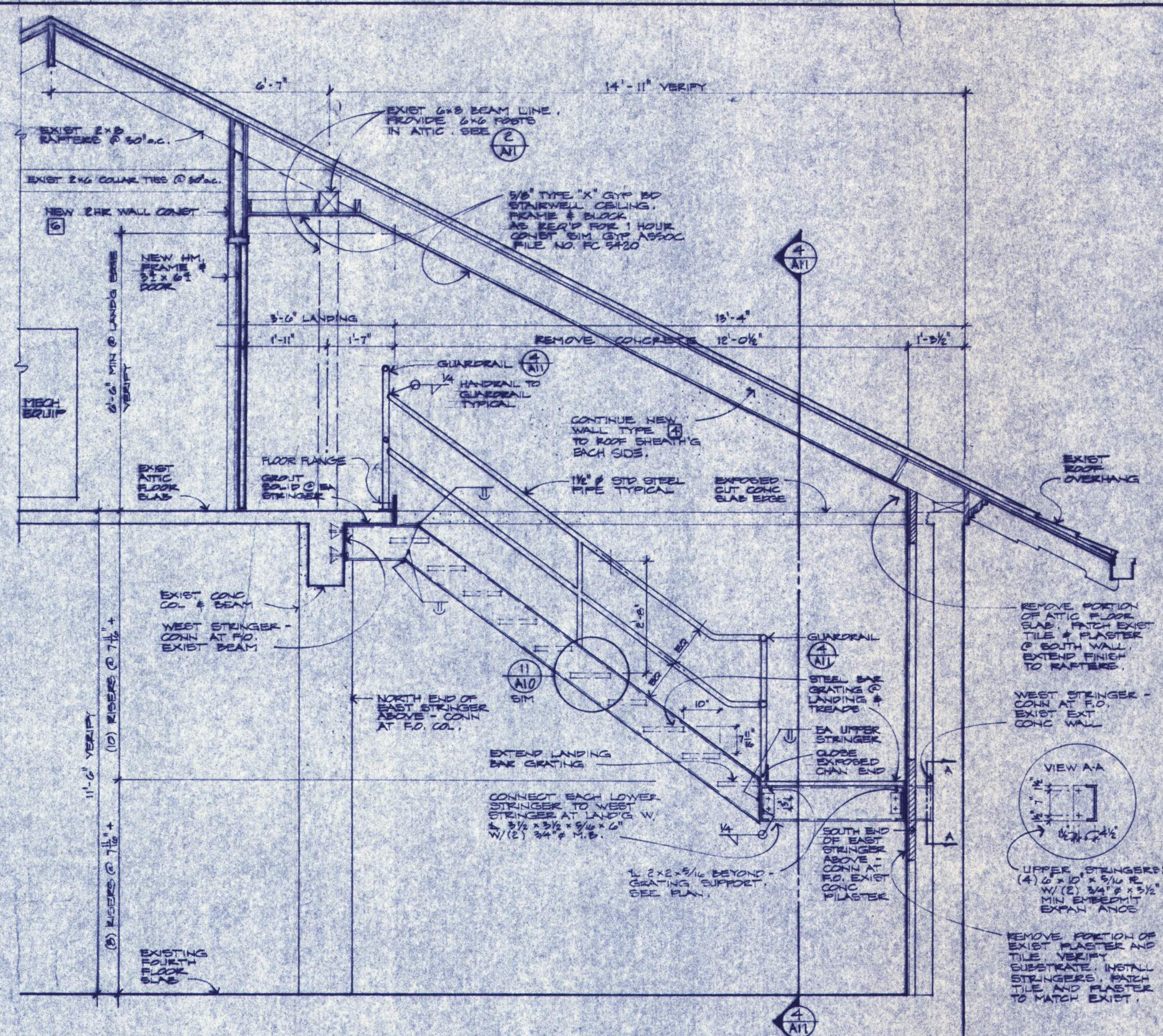
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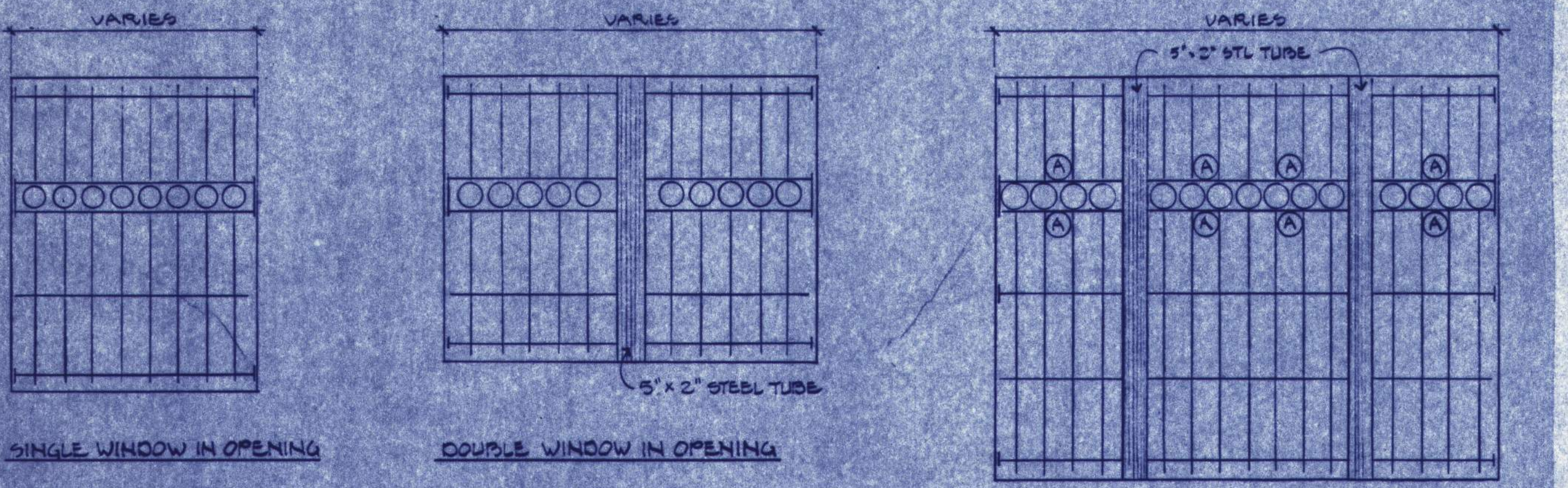
1
1/4" = 1'-0"
C UNIT - WEST STAIRS
PARTIAL FOURTH FLOOR PLAN
NOTE: VERIFY ALL DIMENSIONS.



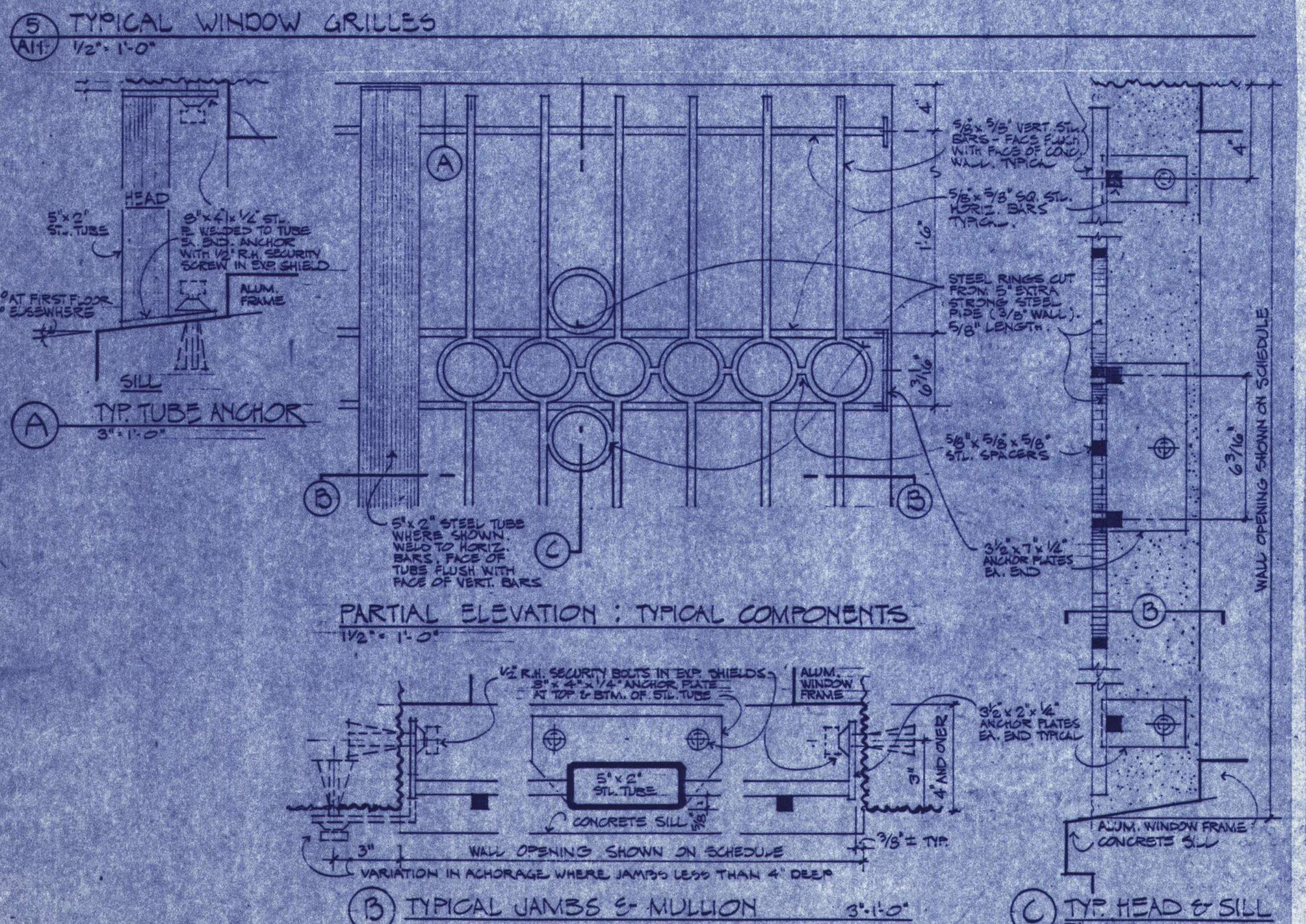
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1/4" = 1'-0"
C UNIT - WEST STAIRS
PARTIAL ATTIC FLOOR PLAN



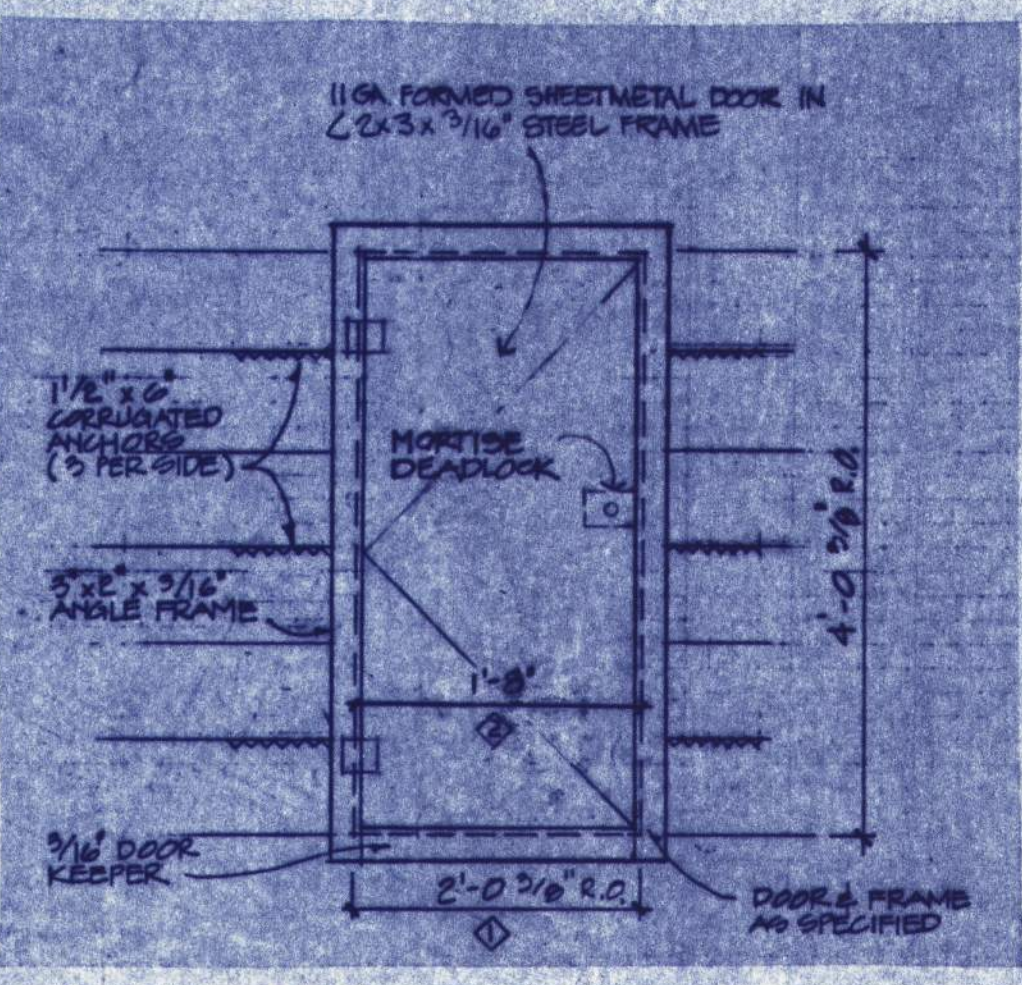
3
1/8" = 1'-0"
SECTION - NEW STAIRSTO ATTIC
LOOKING EAST



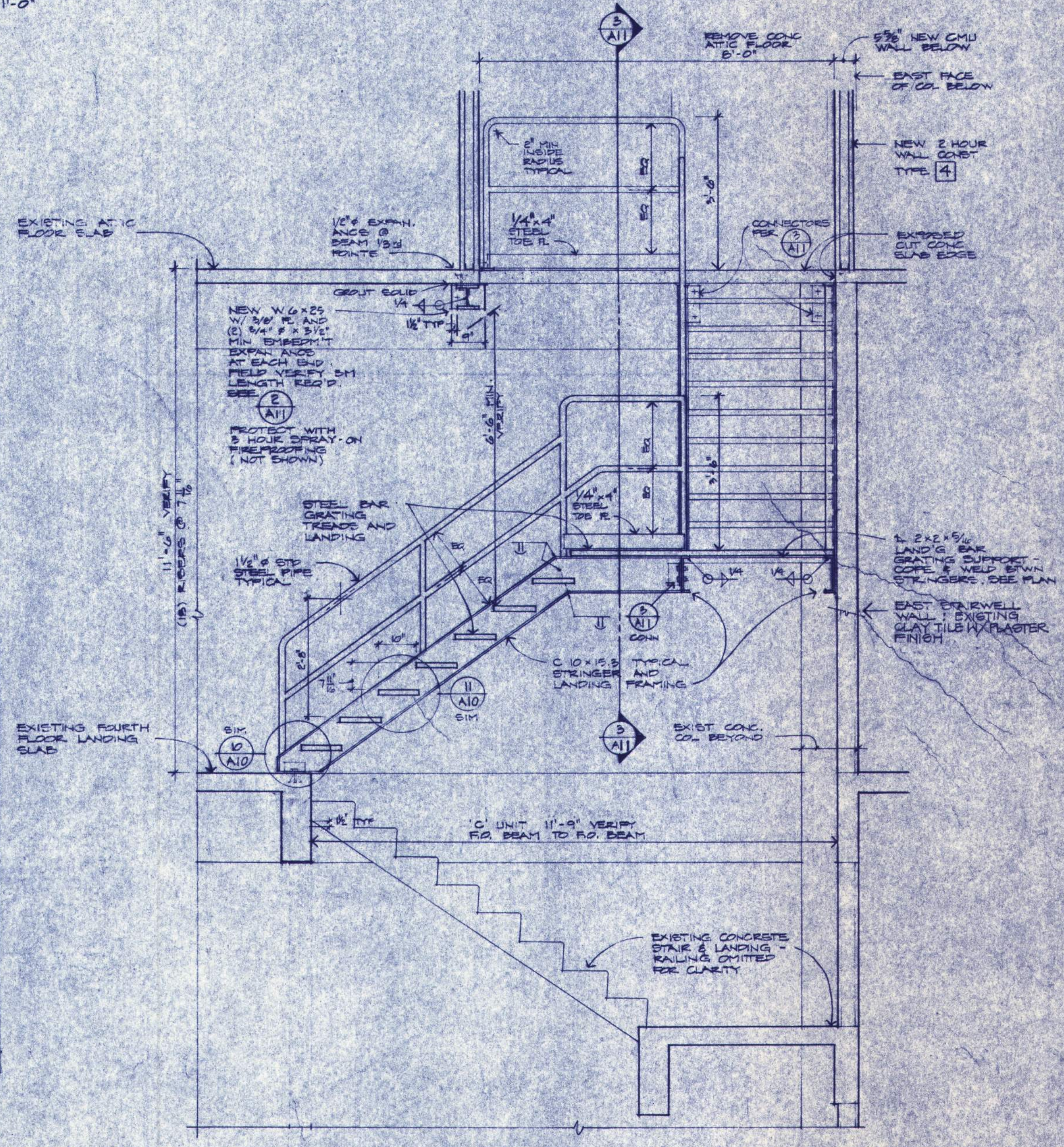
5
1/2" = 1'-0"
TYPICAL WINDOW GRILLES



6
3/4" = 1'-0"
TYPICAL GRILLE DETAILS



7
3/4" = 1'-0"
ELEVATION OF ACCESS PNL. AT PLUMB G CHASE
CONTRACTOR INSTALL PANELS FURNISHED BY OWNER.



4
1/8" = 1'-0"
SECTION - NEW STAIRSTO ATTIC
LOOKING NORTH

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENITENT, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTIETH AVENUE EAST / EUGENE, OREGON 97401 / (503) 244-3248

APPROVED
DRAWN: E.C.
DATE: 2-10-88
JOB: 801.6

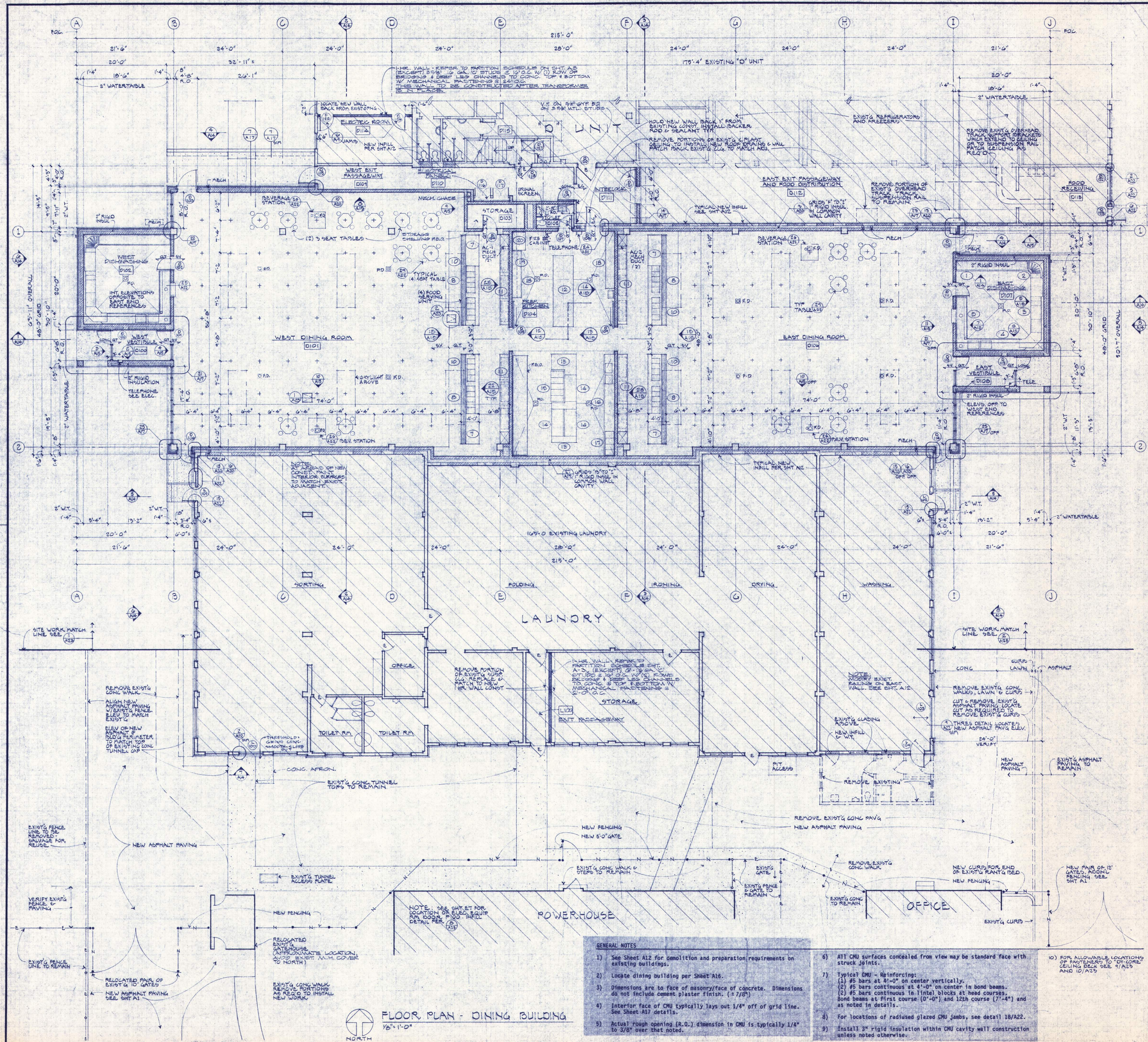
ATI

REGISTERED ARCHITECT
NODDIO OF OREGON

BALZNER, HUBBARD ASSOCIATES
MECHANICAL, ELECTRICAL AND PLUMBING
400 MARBLE STREET, ANGELES, OREGON 97101

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
107 54th STREET, EUGENE, OREGON 97401

FRANK HONEY
500 S.W. LAMAR AVE. PORTLAND, OREGON 97208



FLOOR PLAN - DINING BUILDING
1/8" = 1'-0"

- GENERAL NOTES**
- See Sheet A12 for demolition and preparation requirements on existing buildings.
 - Locate dining building per Sheet A15.
 - Dimensions are to face of masonry/face of concrete. Dimensions do not include cement plaster finish. (+/- 7/8")
 - Interior face of CMU typically lays out 1/4" off of grid line. See Sheet A17 details.
 - Actual rough opening (R.O.) dimension in CMU is typically 1/4" to 3/8" over that noted.
 - All CMU surfaces concealed from view may be standard face with struck joints.
 - Typical CMU - Reinforcing:
 - #5 bars at 4'-0" on center vertically.
 - #5 bars continuous at 4'-0" on center in bond beams.
 - #5 bars continuous in lintel blocks at head courses. Bond beams at first course (0'-0") and 12th course (7'-4") and as noted in details.
 - For locations of radiused glazed CMU jams, see detail 18/A22.
 - Install 3" rigid insulation within CMU cavity wall construction unless noted otherwise.
 - FOR ALLOWABLE LOCATIONS OF FASTENERS TO "DY-CORE" CEILING DECK SEE 9/A25 AND 10/A32



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
100 COMMERCIAL STREET, PORTLAND, OREGON 97201

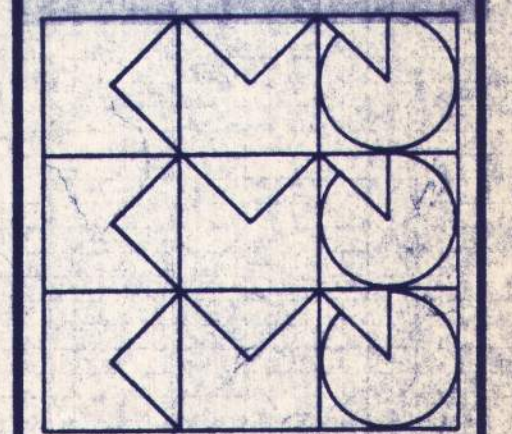
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1817 OAK STREET, ASTORIA, OREGON 97103

FRANK HONEY
STRUCTURAL ENGINEER
1000 S.W. COMMERCIAL COURT, PORTLAND, OREGON 97205

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

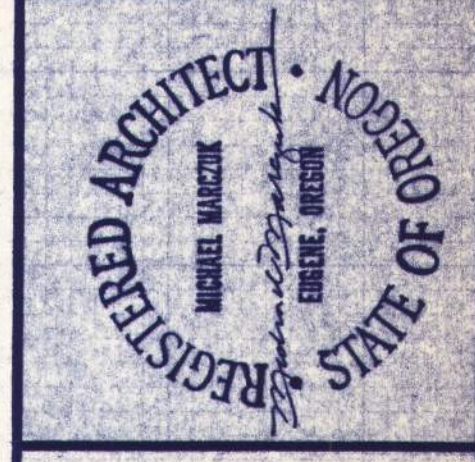
WEGROUP pc / ARCHITECTS & PLANNERS
1025 W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1151
863 THIRTEENTH AVENUE, EAST EUGENE, OREGON 97401 / (503) 344-3249

DINING BUILDING



APPROVED
DRAWN DLG, JK, BSL
DATE 2/10/88
JOB 2016

A13



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
889 MARSHALL STREET, EUGENE, OREGON 97401

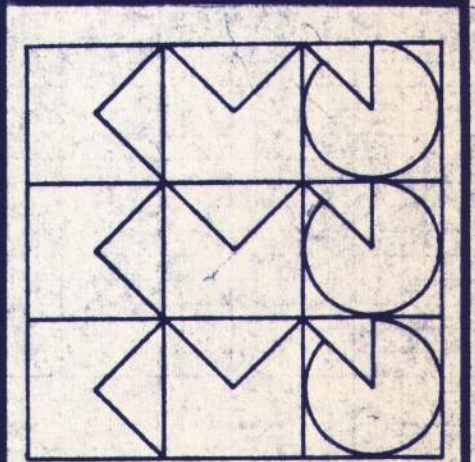
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1031 ONE SHEET BUILDING, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
884 S.W. LUMMEL LAKE LANE, PORTLAND, OREGON 97209

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

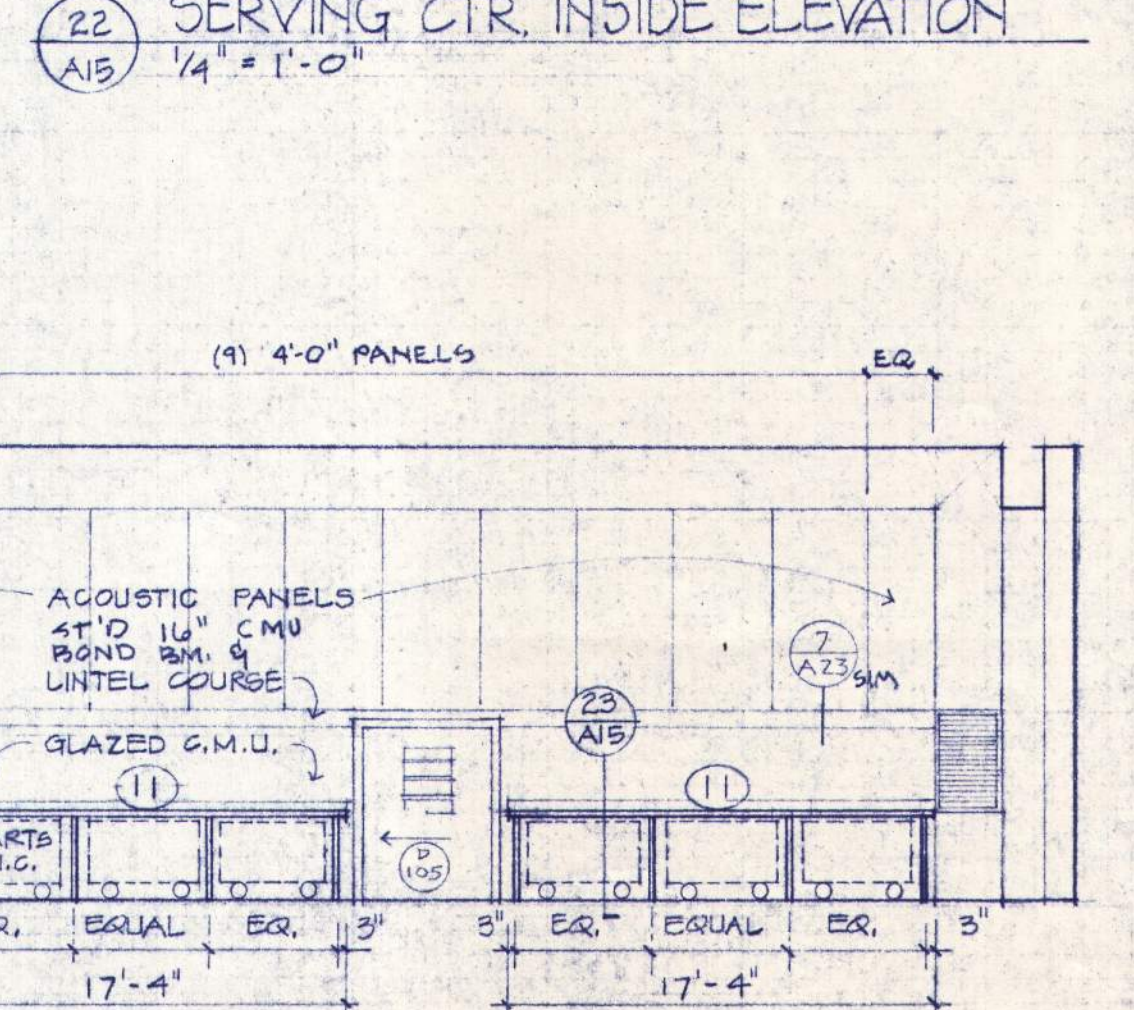
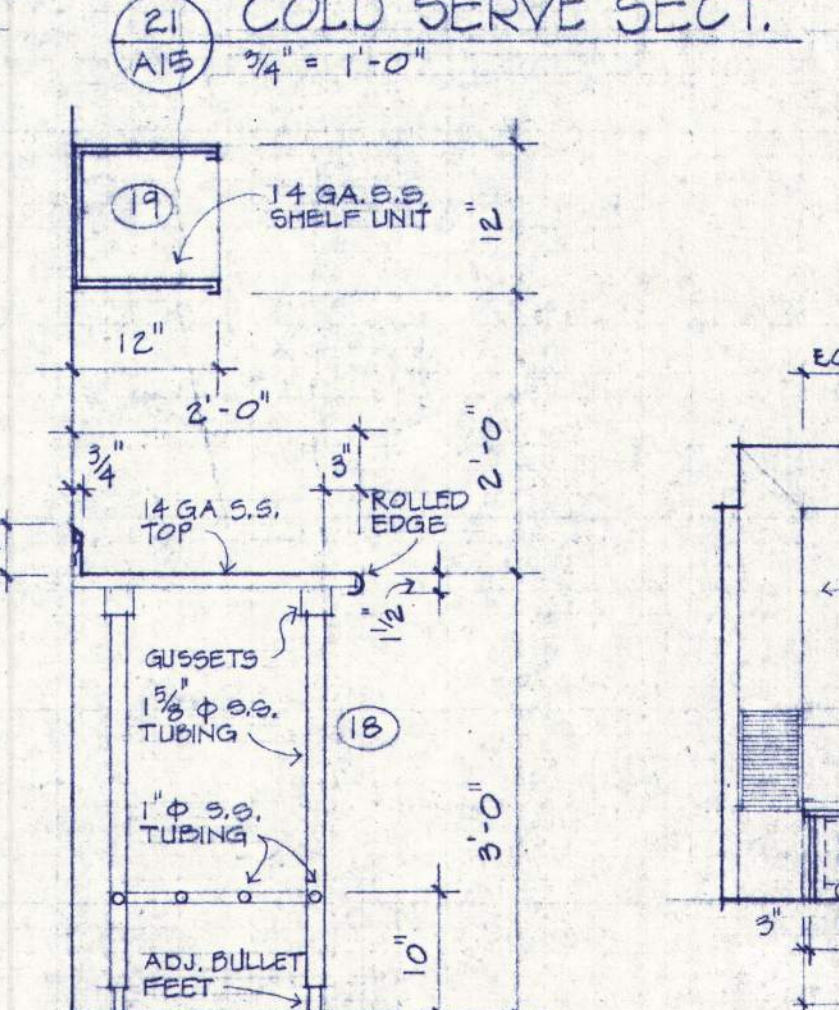
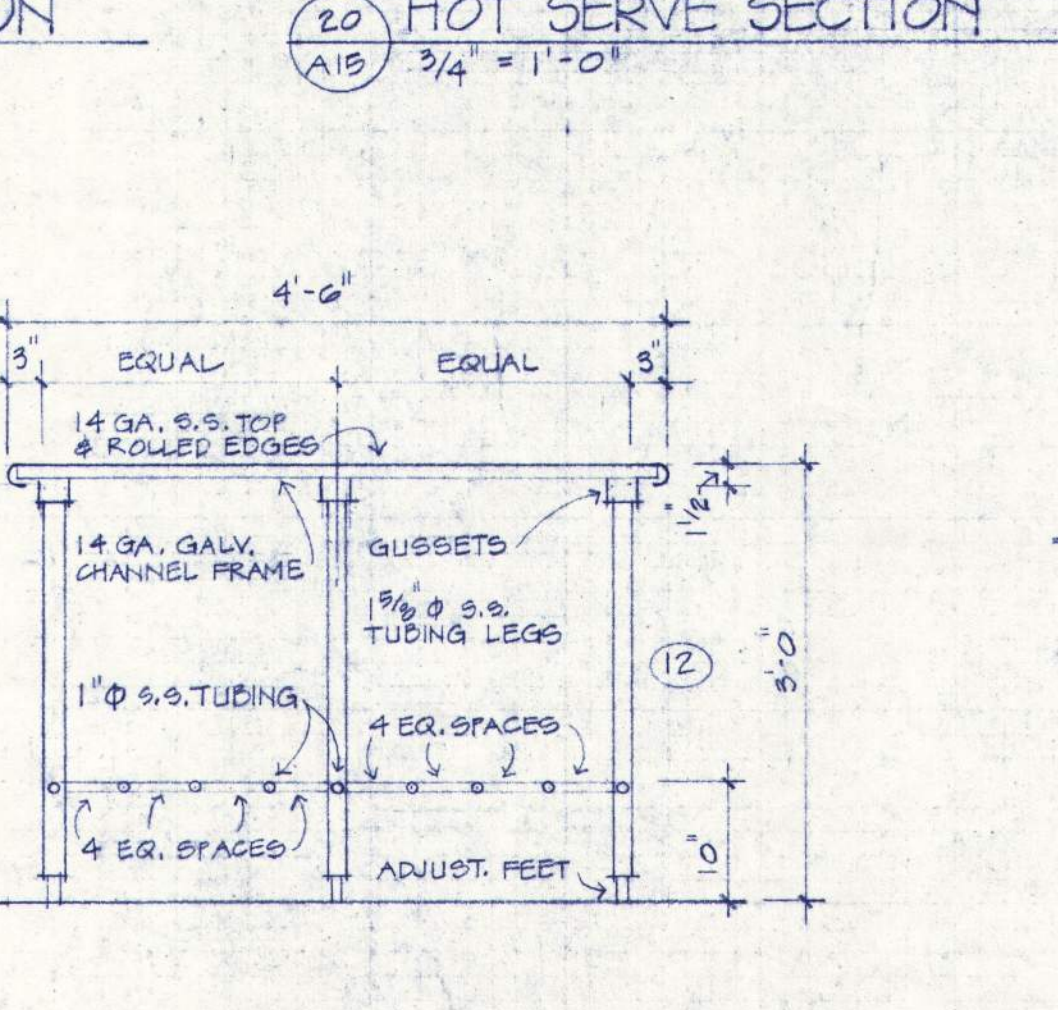
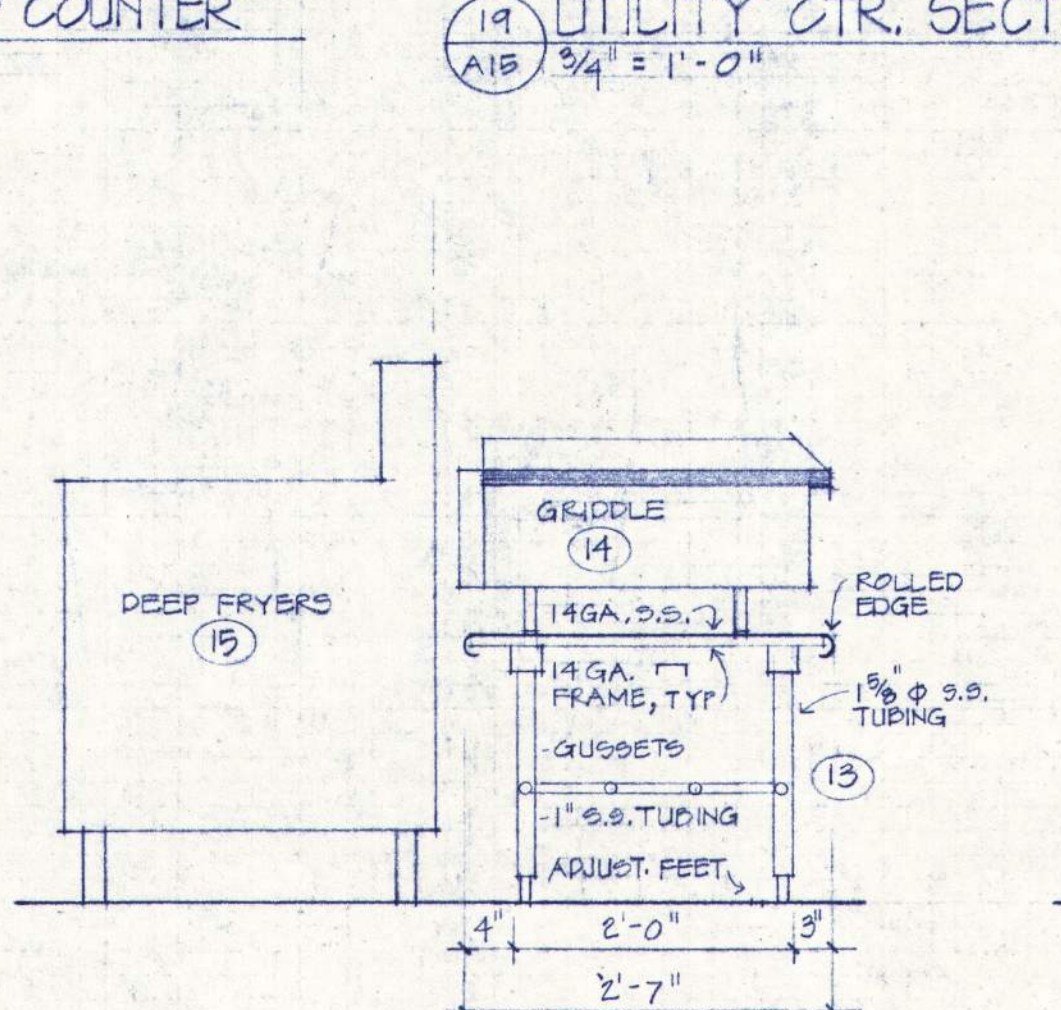
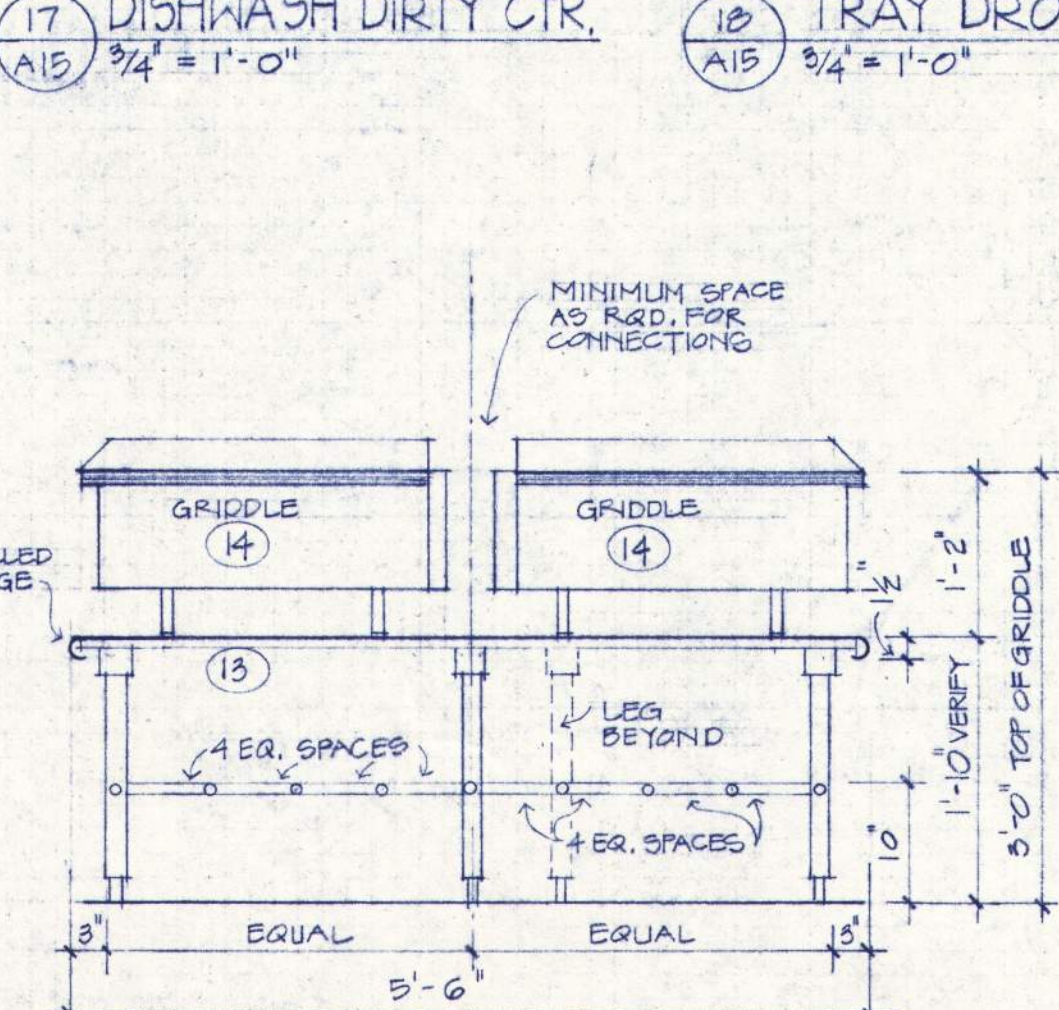
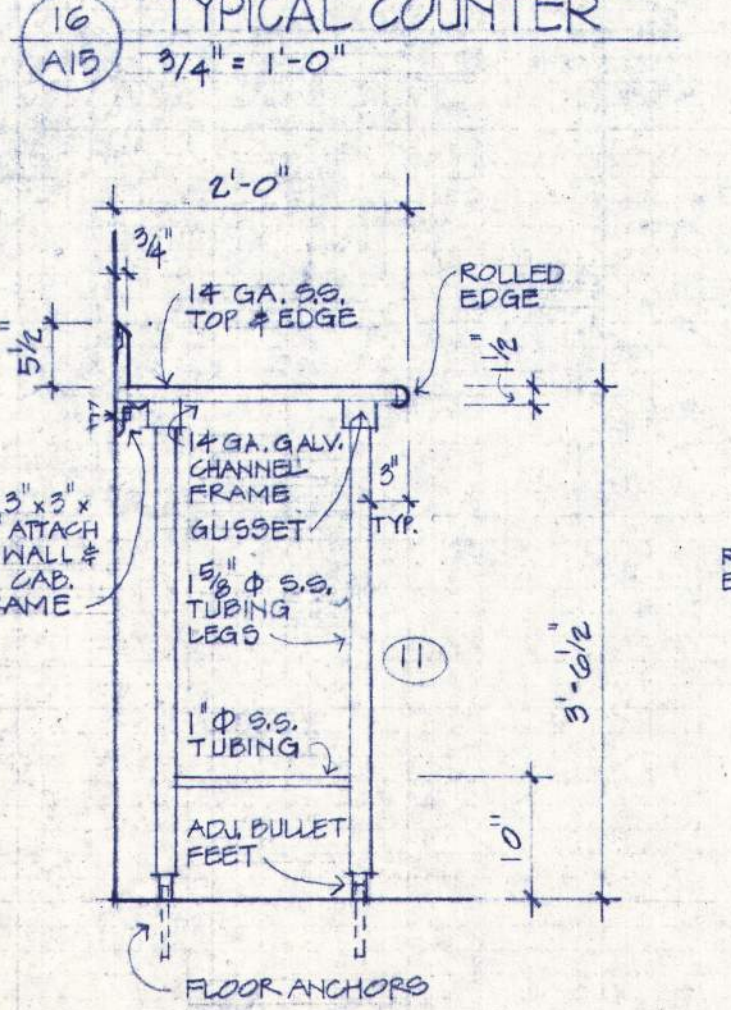
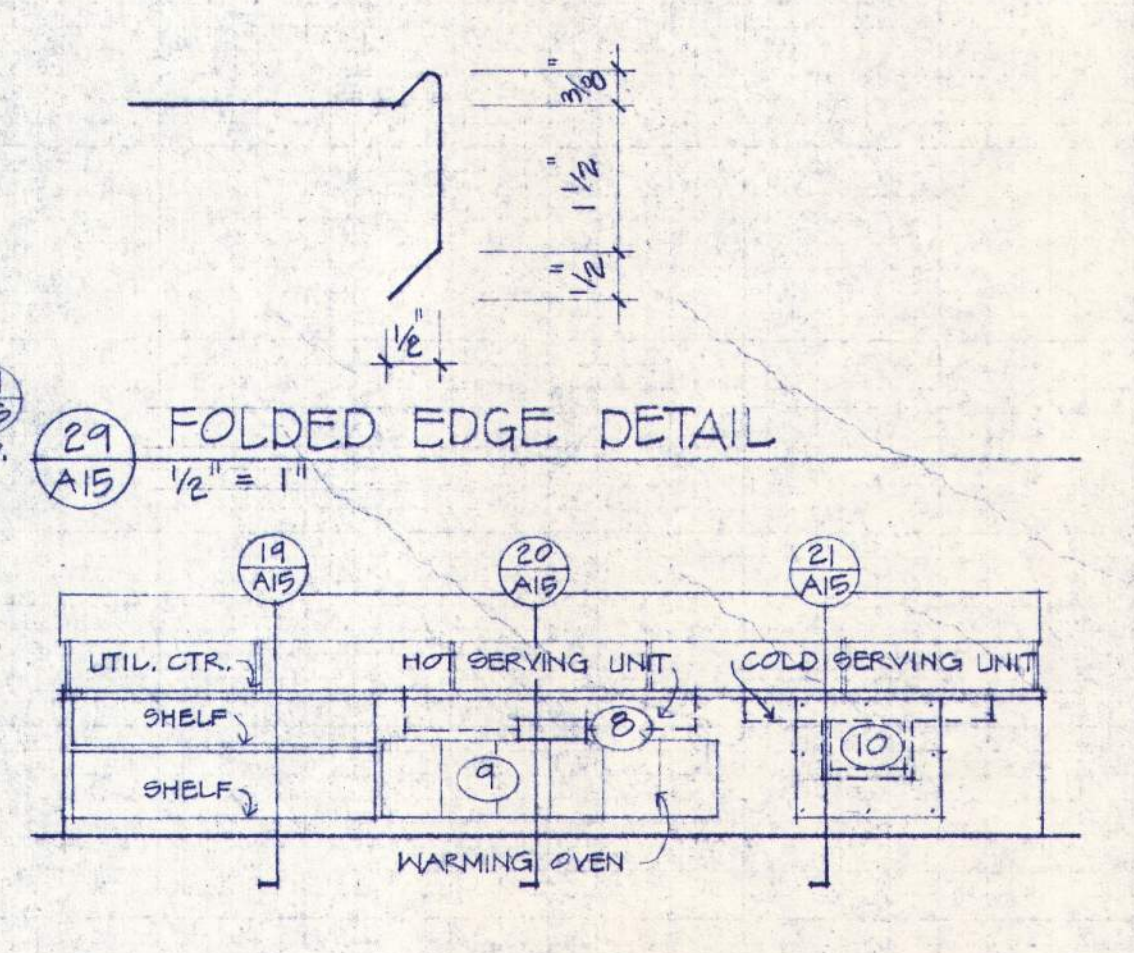
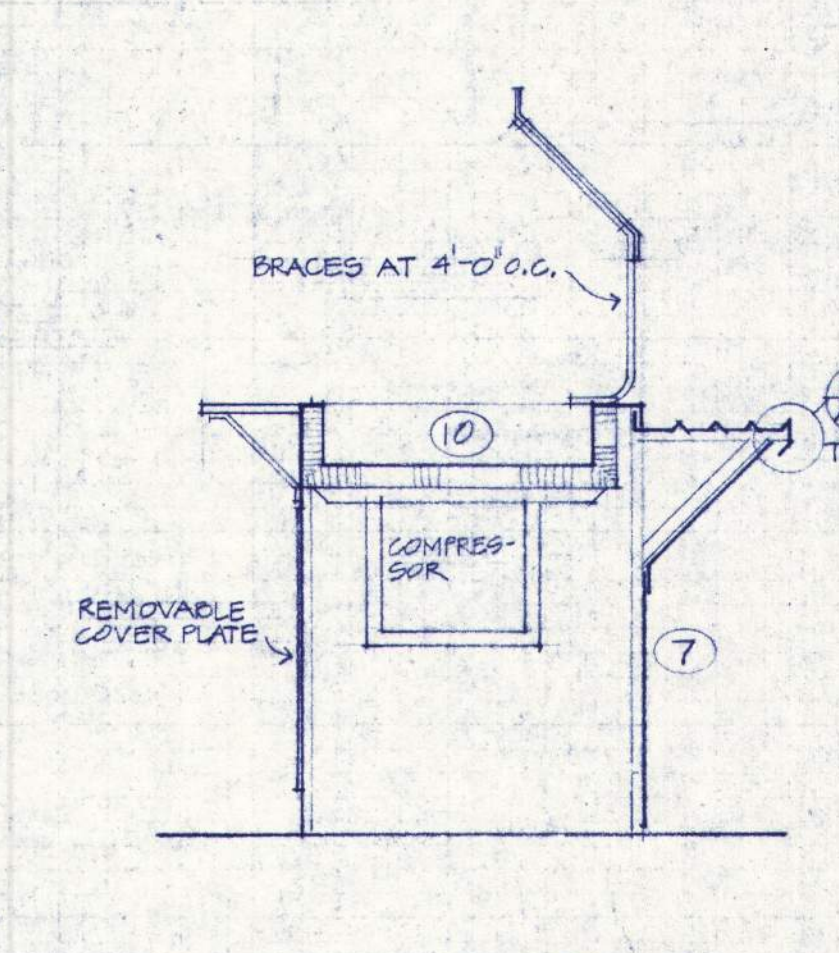
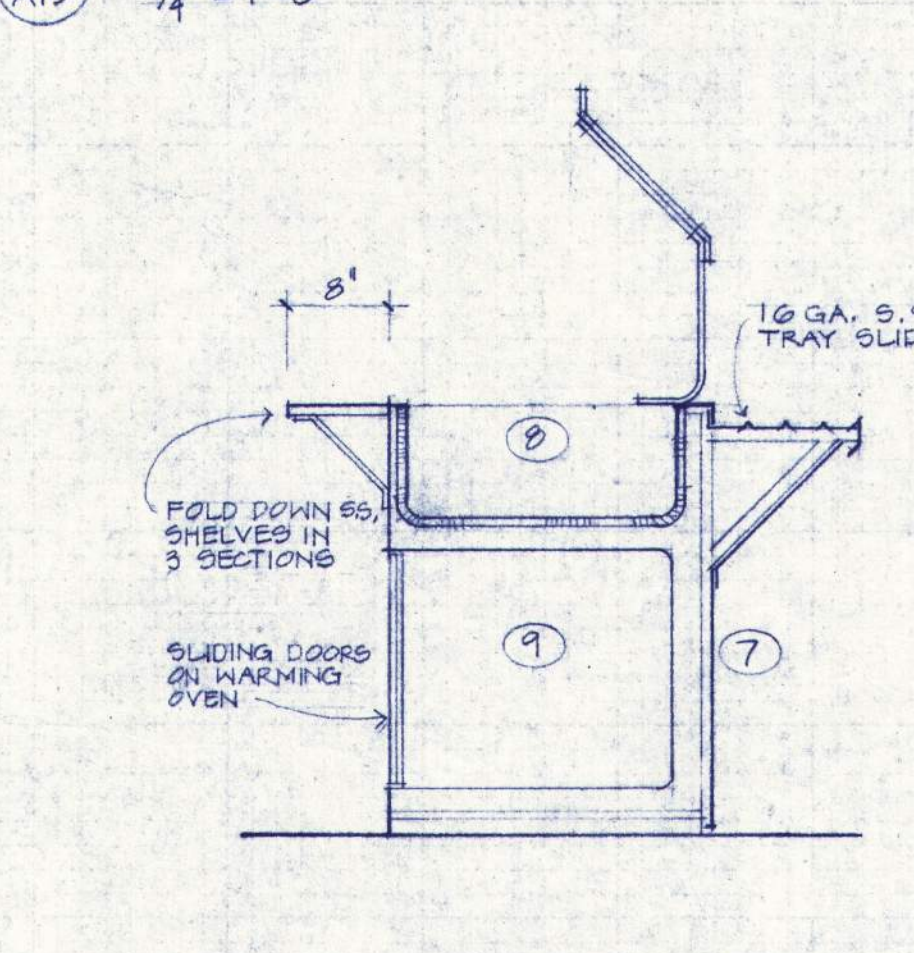
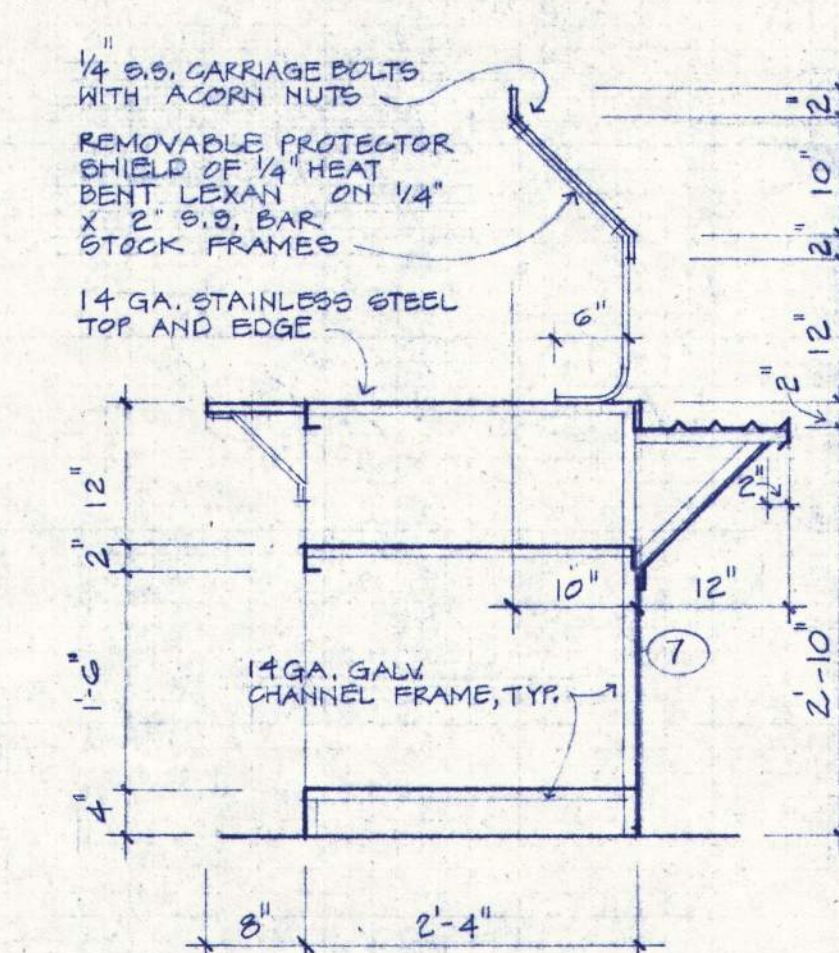
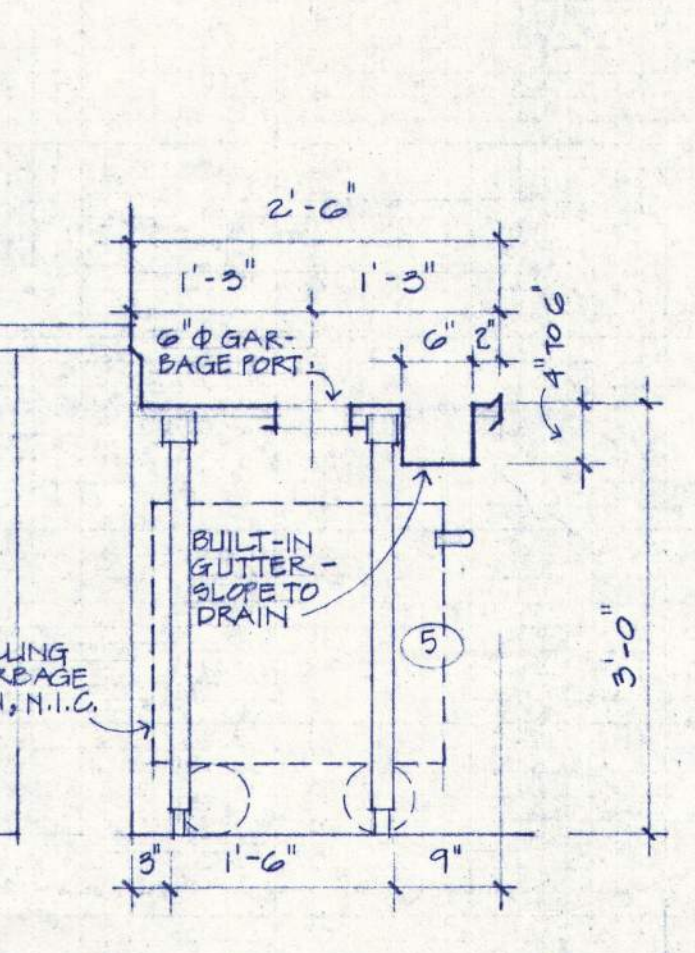
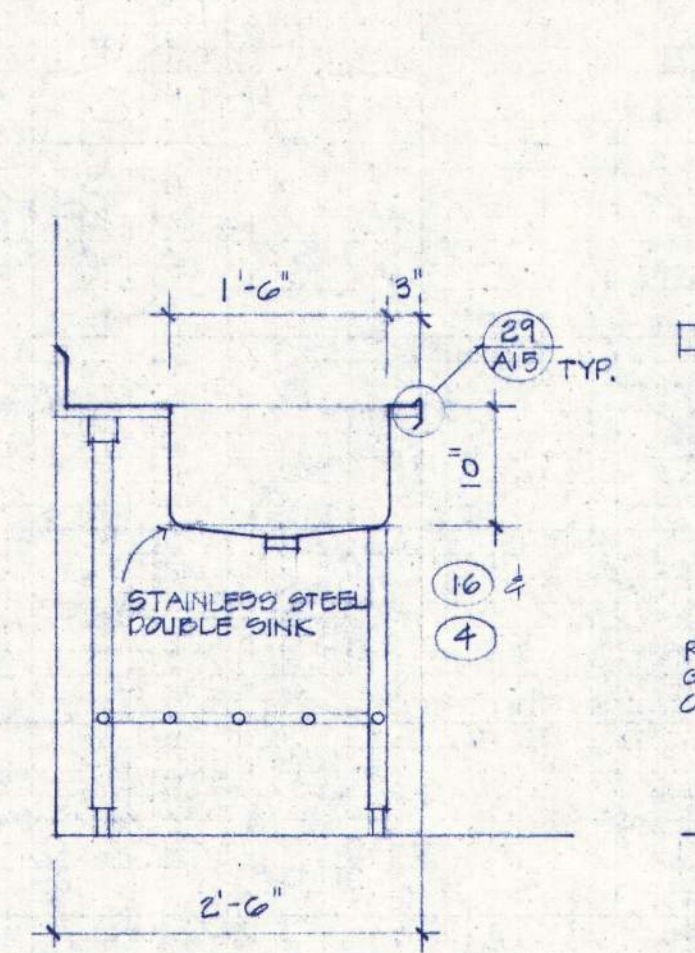
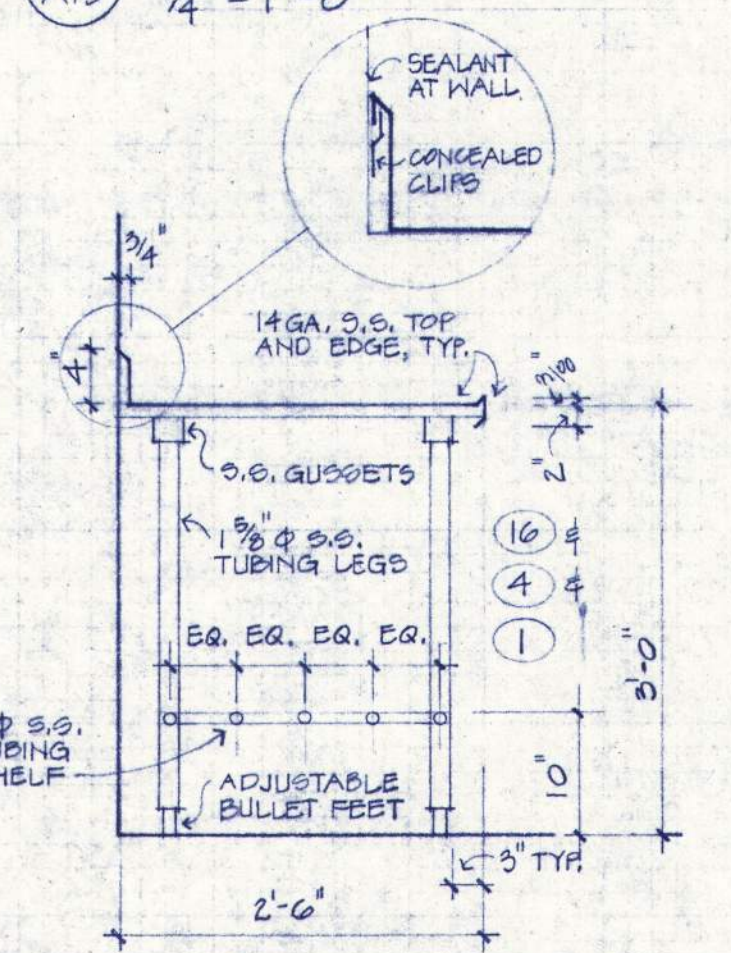
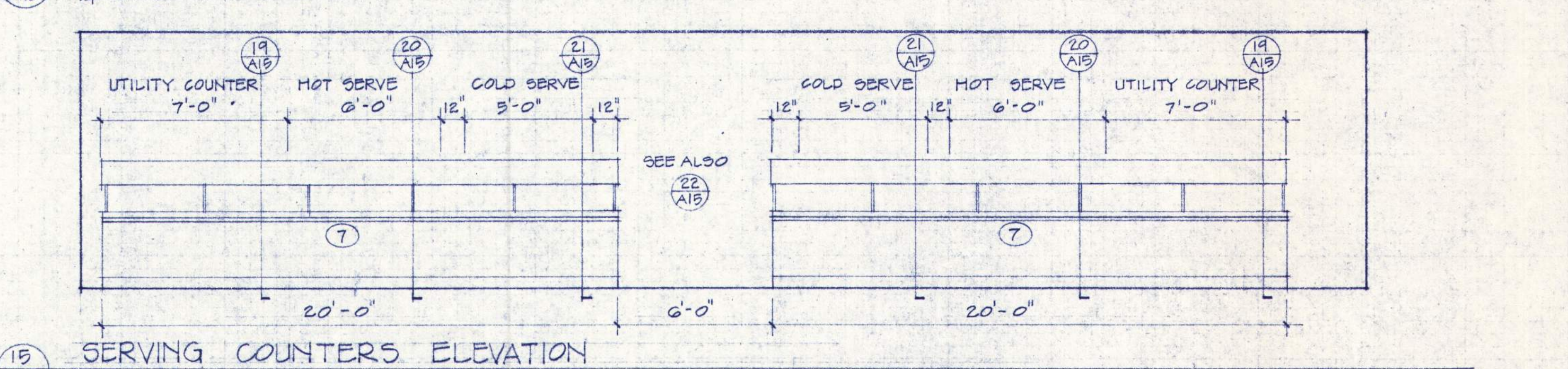
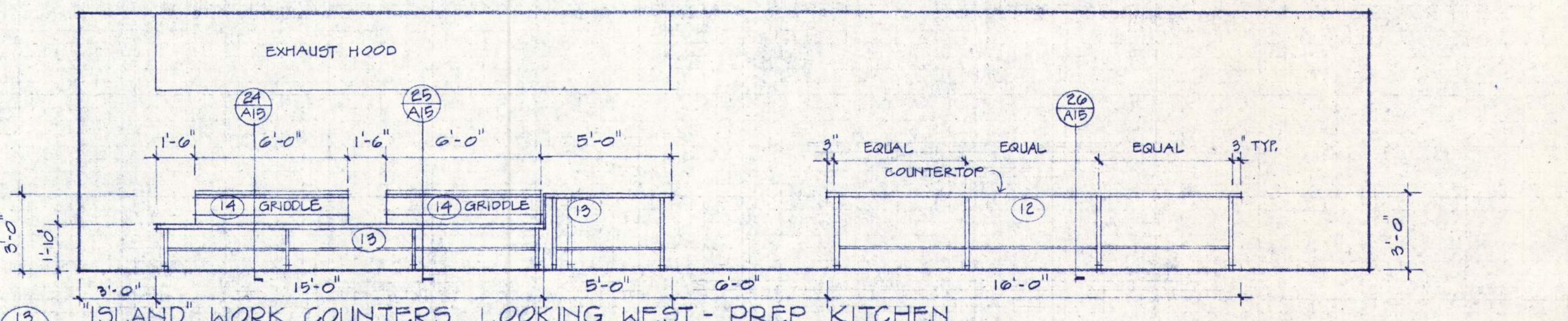
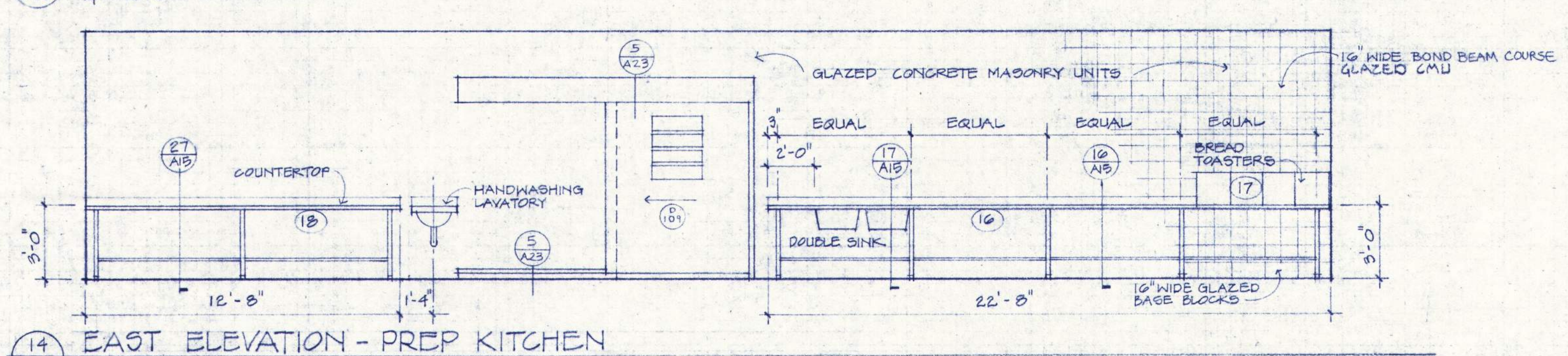
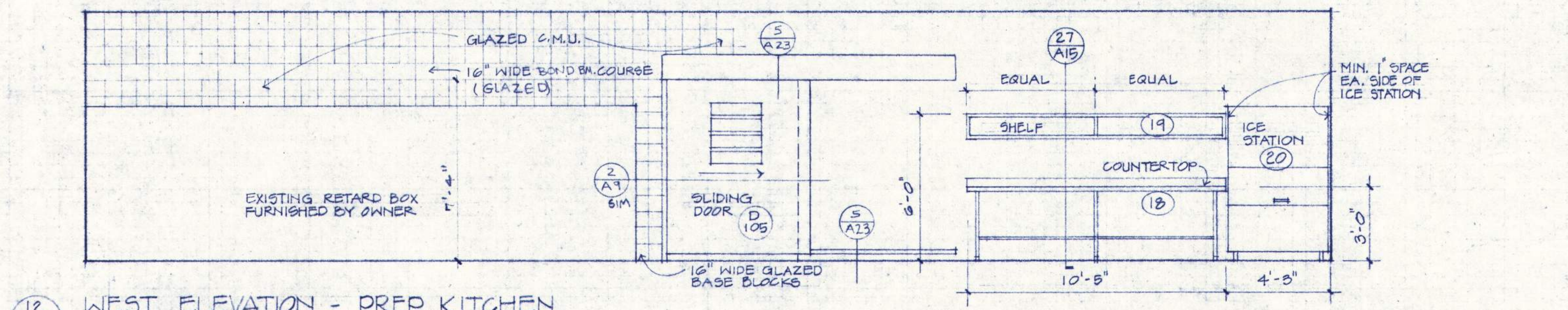
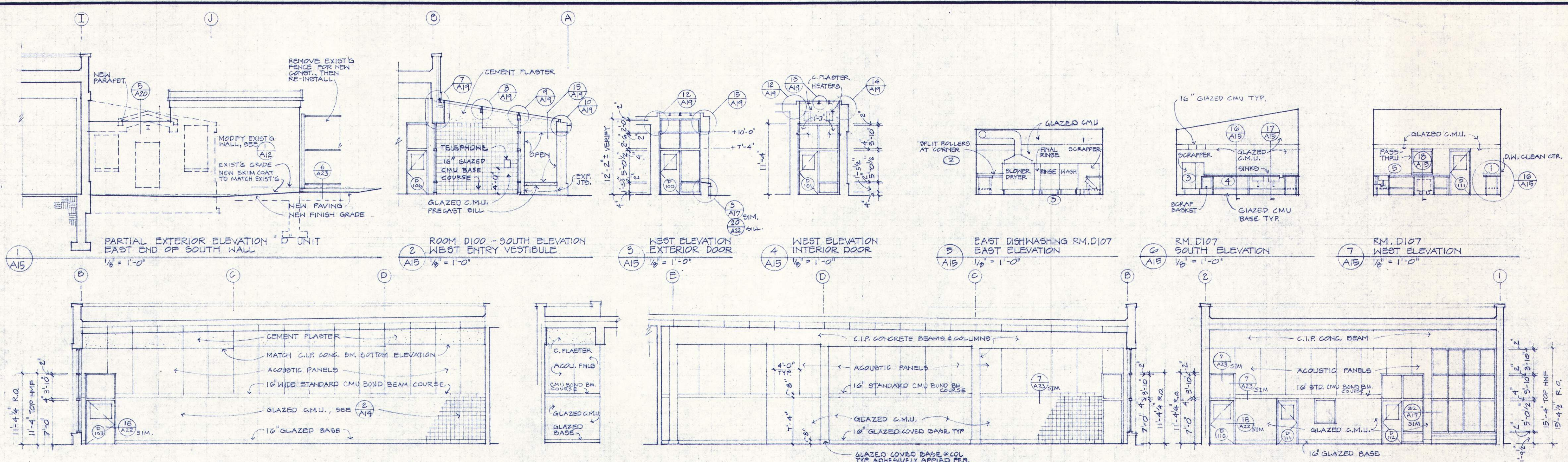
WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

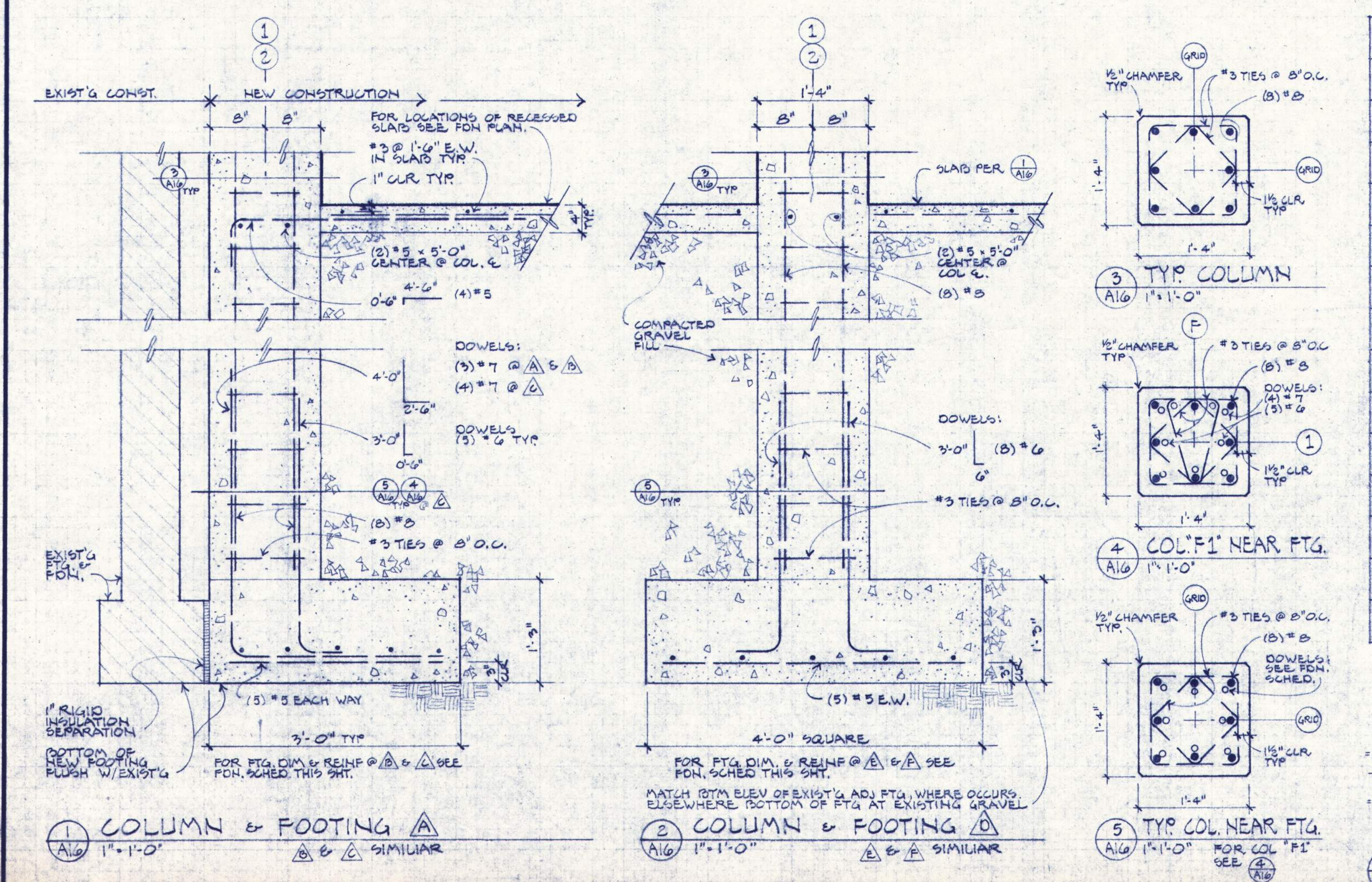
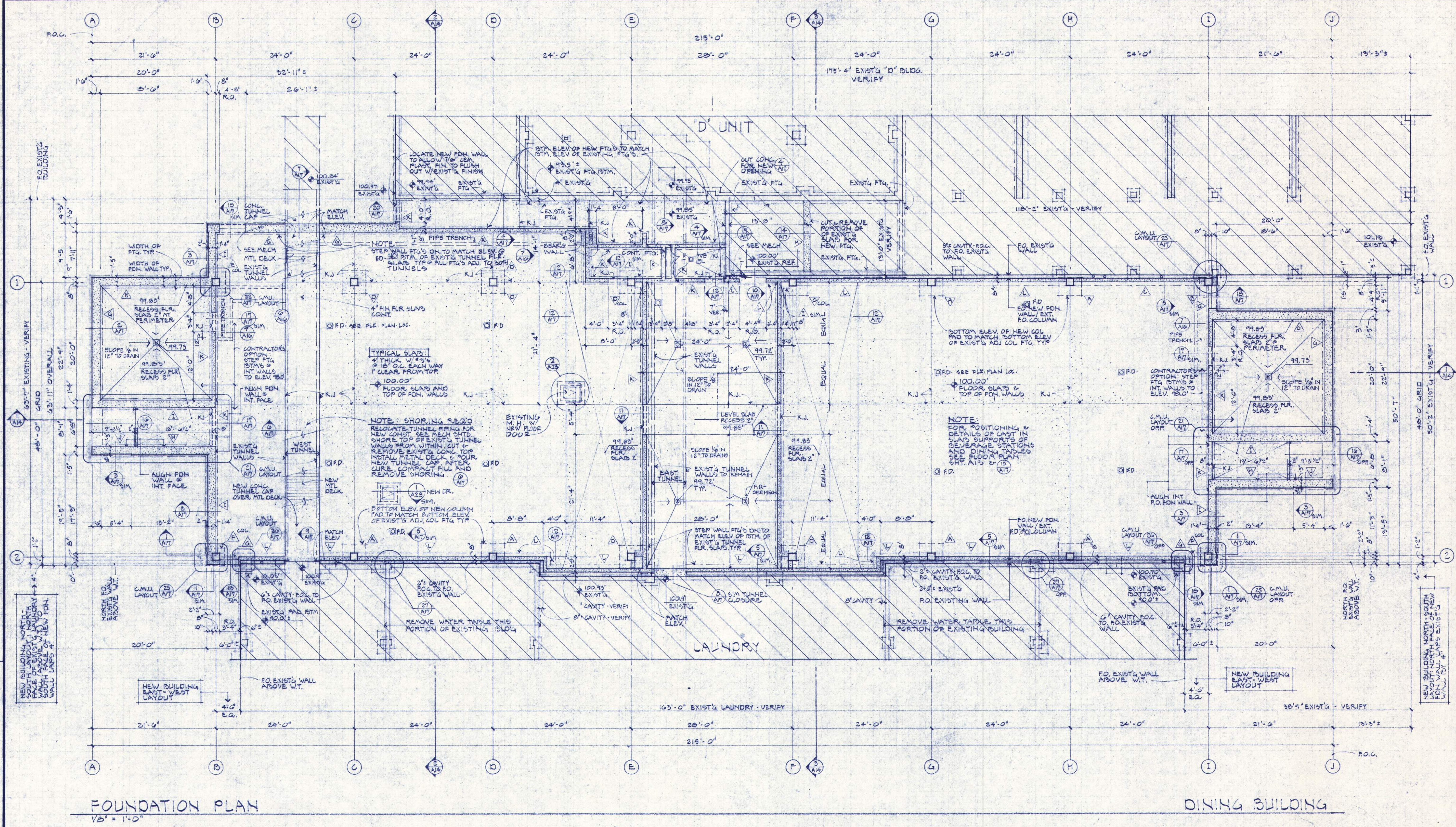


APPROVED
DRAWN
DATE 2/10/88
JOB 021.6

A 15



29. SERVING CTR. - PREP KITCHEN (3/4" = 1'-0"); 30. COUNTERS WITH CART STORAGE - ELEVATION (1/8" = 1'-0")



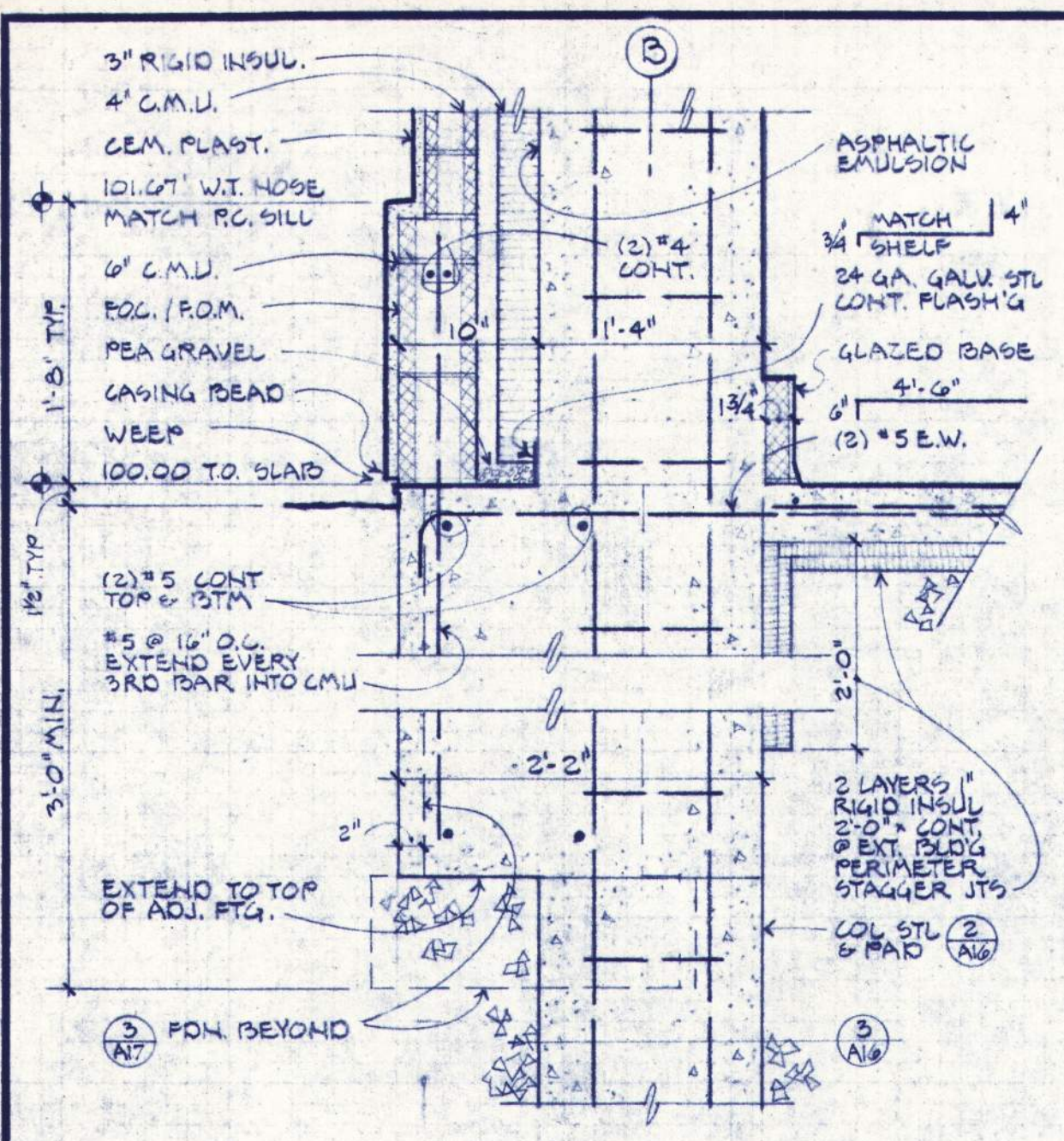
FOUNDATION SCHEDULE

MARK	FOOTING		COLUMN/WALL		DETAIL	LOCATION
	SIZE	THK. REINFORCEMENT	SIZE	REINFORCEMENT		
A	3'-0" x 4'-0"	1'-3"	(5) #5 E.W. W/ (3) #7 & (5) #6 DOWELS	1'-4" x 1'-4"	(A) #5 W/ #5 TIES @ 8" O.C.	12'-00" x 11'-02" '11'
B	3'-0" x 3'-0"	1'-3"	(4) #5 E.W. W/ (2) #7 & (4) #6 DOWELS	1'-4" x 1'-4"	(B) #5 W/ #5 TIES @ 8" O.C.	'11'
C	3'-0" x 5'-0"	1'-3"	(6) #5 E.W. W/ (4) #7 & (6) #6 DOWELS	1'-4" x 1'-4"	(C) #5 W/ #5 TIES @ 8" O.C.	'11'
D	4'-0" x 4'-0"	1'-3"	(5) #5 E.W. W/ (3) #7 & (5) #6 DOWELS	1'-4" x 1'-4"	(D) #5 W/ #5 TIES @ 8" O.C.	11'-00" x 11'-00" '12'
E	3'-6" x 3'-6"	1'-3"	(4) #5 E.W. W/ (2) #7 & (4) #6 DOWELS	1'-4" x 1'-4"	(E) #5 W/ #5 TIES @ 8" O.C.	'12'
F	3'-0" x 3'-0"	1'-3"	(3) #5 E.W. W/ (2) #7 & (3) #6 DOWELS	1'-4" x 1'-4"	(F) #5 W/ #5 TIES @ 8" O.C.	'12'
G	2'-0" CONT.	8"	(2) #5 CONT.	1'-6" CONT.	#5 VERTS @ 16" O.C. E.P. & (2) #5 HORIZ. @ TOP OF PTM. & 15" O.C.	EXT. WALL W.T.
H	2'-0" CONT.	8"	(2) #5 CONT.	1'-5" CONT.	#5 VERTS @ 16" O.C. E.P. & (2) #5 HORIZ. @ TOP OF PTM. & 15" O.C.	EXT. WALL W.T.
I	2'-0" CONT.	8"	(2) #5 CONT.	1'-4" CONT.	#5 VERTS @ 16" O.C. E.P. & (2) #5 HORIZ. @ TOP OF PTM. & 15" O.C.	EXT. WALL W.T.
J	2'-0" CONT.	8"	(2) #5 CONT.	1'-3" CONT.	#5 VERTS @ 16" O.C. E.P. & (2) #5 HORIZ. @ TOP OF PTM. & 15" O.C.	EXT. WALL @ BENCH
K	1'-6" CONT.	8"	(1) #5 CONT.	8" CONT.	#5 VERTS @ 16" O.C. & (2) #5 HORIZ. @ TOP OF PTM. & 15" O.C.	EXT. WALL
L	1'-4" CONT.	8"	(2) #5 CONT.	8" CONT.	#5 VERTS @ 16" O.C. & (2) #5 HORIZ. @ TOP OF PTM. & 15" O.C.	PERIMETER WALL
M	9"	8"	---	#5 VERT @ 4'-0" O.C.	---	EXISTING BLDG.

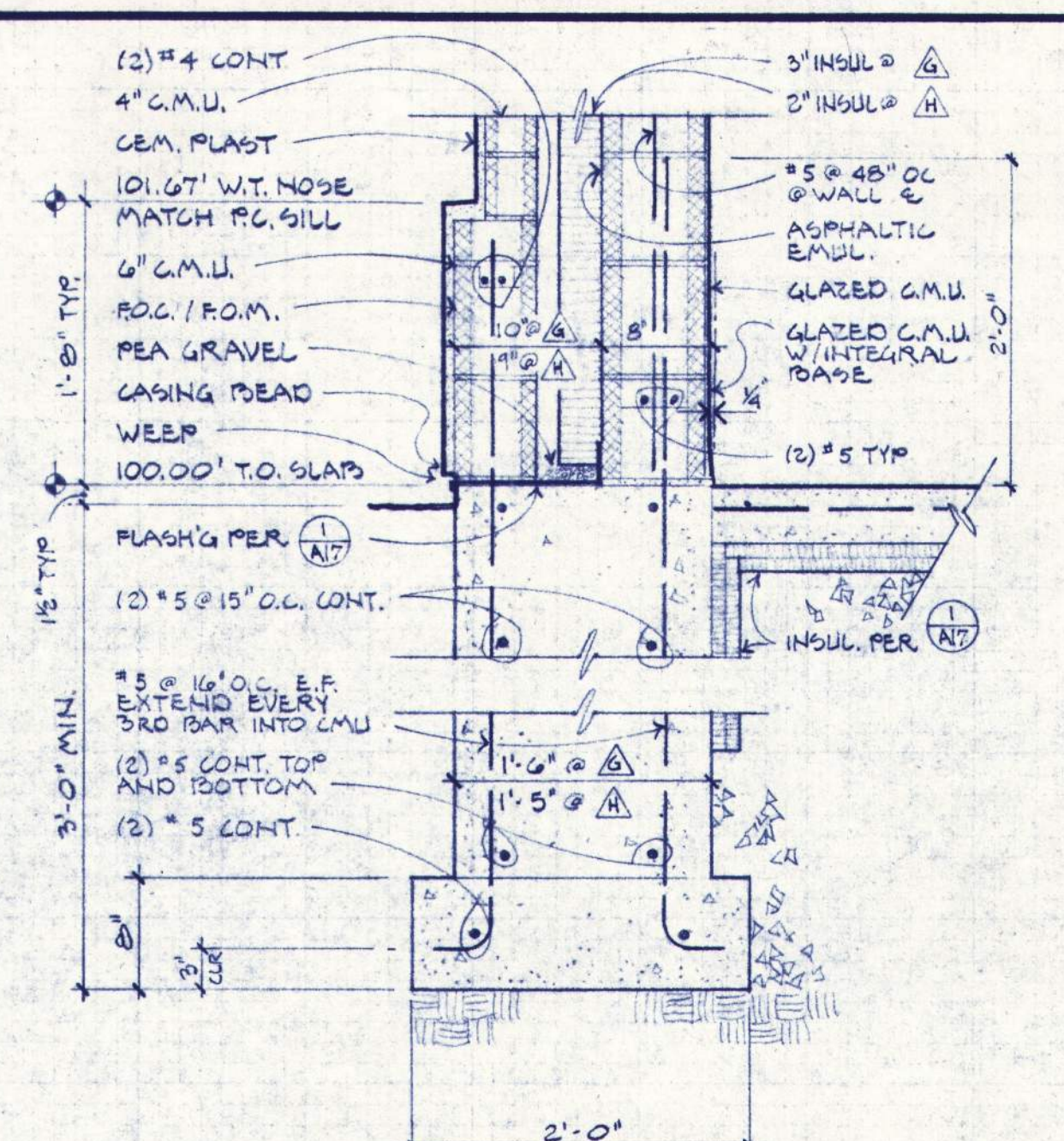
6 PIPE TRENCH
1/2" = 1'-0"

7 PIPE TRENCH @ FND.
1/2" = 1'-0"

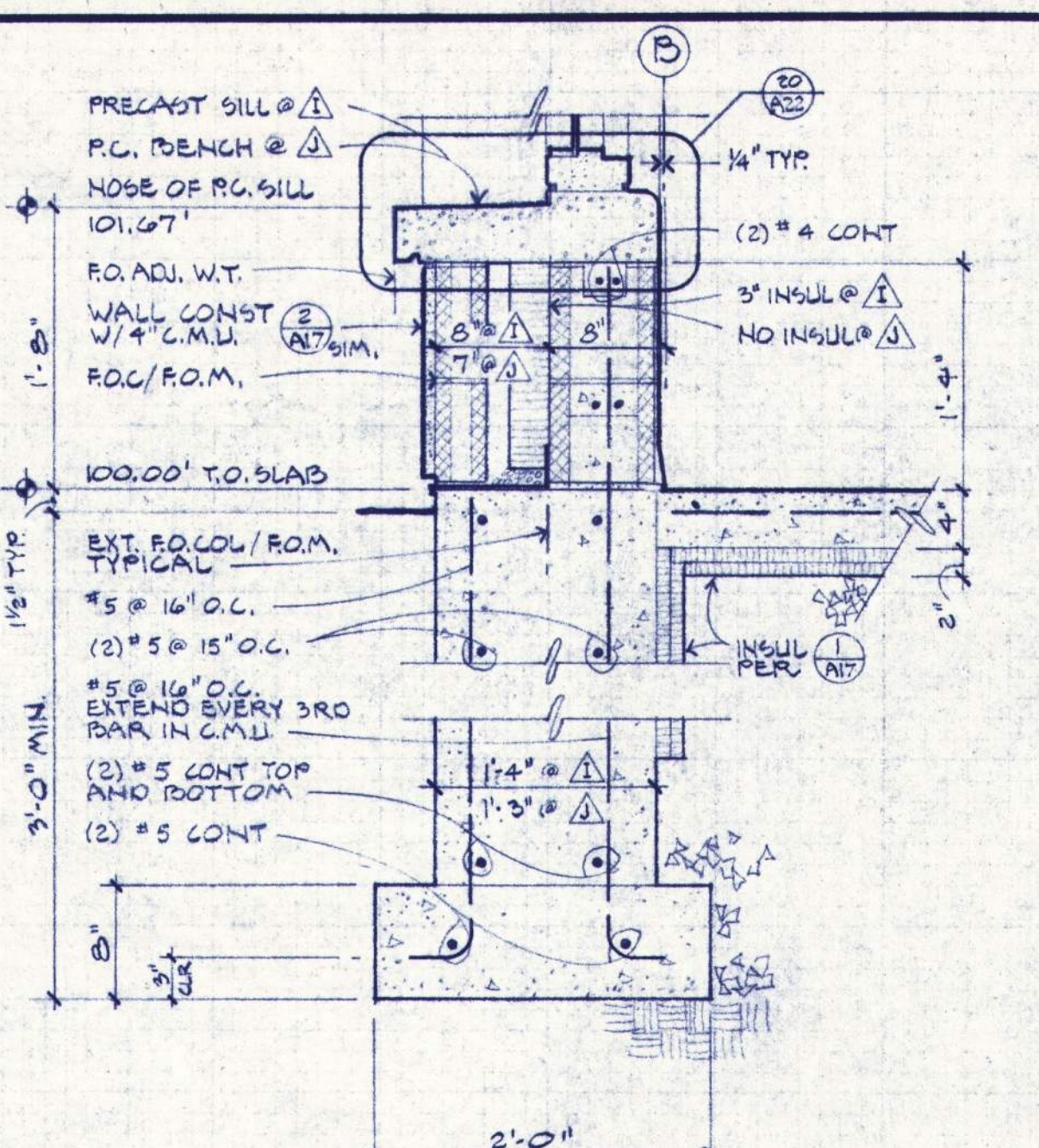
- SYMBOLS:**
- TOP OF NEW FOUNDATION WALL
 - FOOTING TYPE MARK - SEE SCHEDULE THIS SHEET
- GENERAL NOTES**
- The architectural drawings do not reflect all of the slab and wall openings required for ducts, pipes, conduit, etc. It is the general contractor's responsibility to coordinate all opening requirements and to provide such openings.
 - Do not permit any excavation (duct or pipe trenches, etc.) closer than 2' horizontal to 1' vertical slope extended below the bottom edge of an adjacent footing.
 - Top of foundation walls step down 6" below finished slab elevation at exterior doors. Bend down continuous steel at steps.
 - Bottom elevation of column pads are to match bottom elevation of adjacent footings of existing buildings or tunnels where they occur. At other locations, pad depth is to existing gravel.
 - New footings and foundation walls are to be no closer than 1" from existing foundations. 1" insulation board can be installed to provide minimum separation.
 - Locate cold keyed joints at column centerline and as shown on plan. Maintain reinforcing continuous across joint.
 - A 1/2" fibrous expansion joint is to be used between new slab and existing concrete.
 - See Sheets A1, A13, and A23 for finish grading and exterior paving elevations and details.
 - Foundation plan shows work to top of foundation wall and finish floor slab elevation only. See floor plan sheet A13 for CMU bearing and cavity wall layout.
 - Dimensions given from existing building are measured from face of existing finish of the wall taken above any existing water table. All dimensions taken from existing conditions need to be verified.



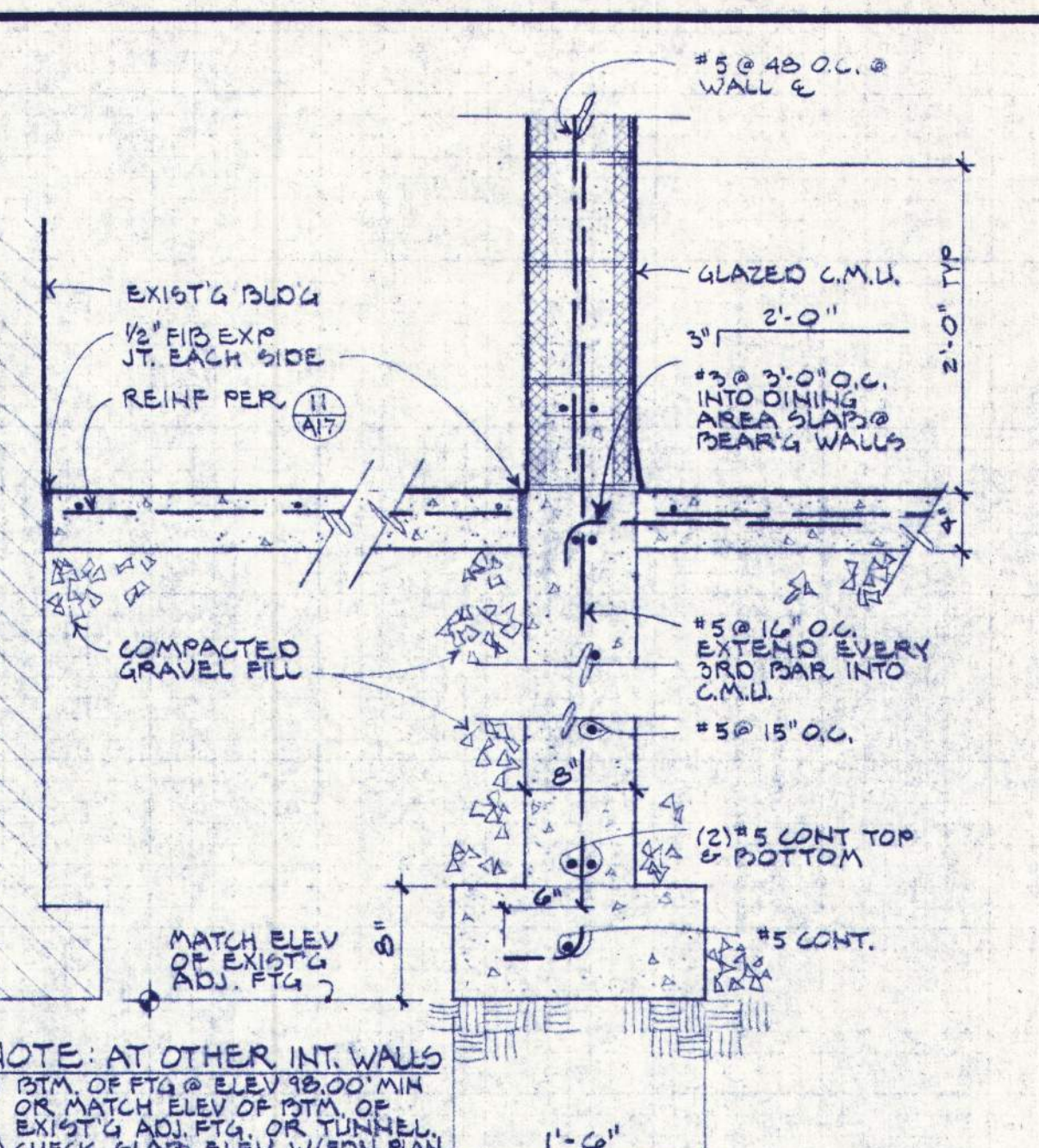
1 COLUMN W/W.T. @ GRID 'B-2'
COL @ I-12' SIM.



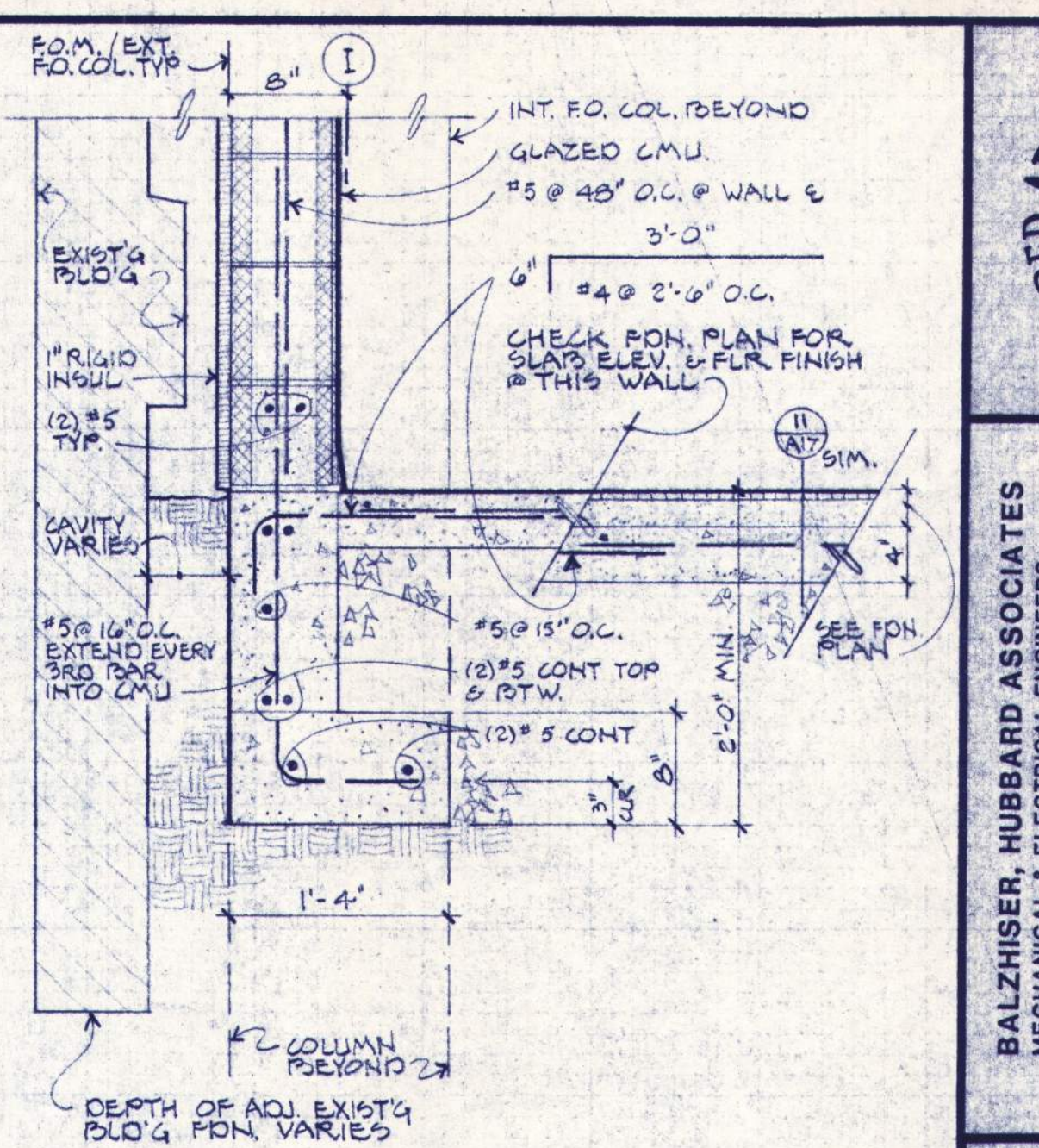
2 FOUNDATION & EXT. WALL W/W.T.
1\"/>



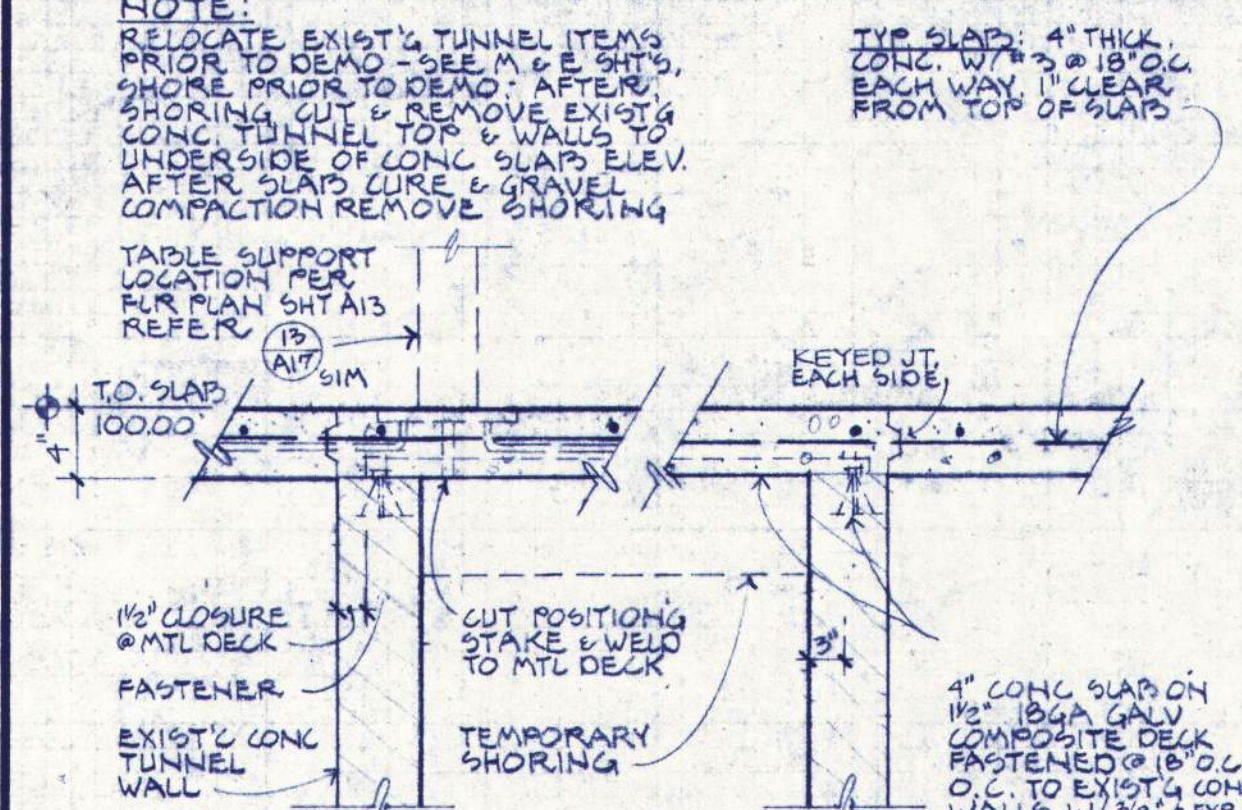
3 FDN. & EXT. WALL @ WINDOW SILL
SIM @ ENTRY BENCH



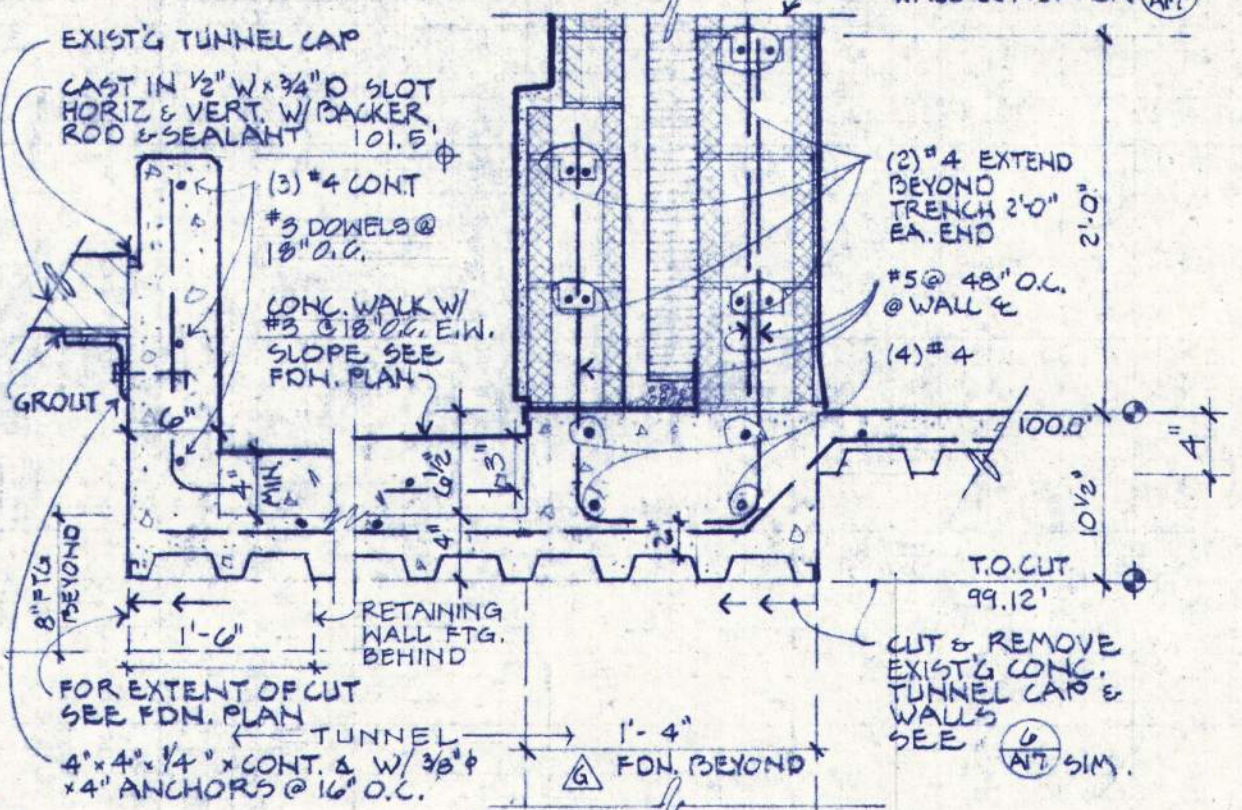
4 FOUNDATION & INTERIOR BEAR'G WALL
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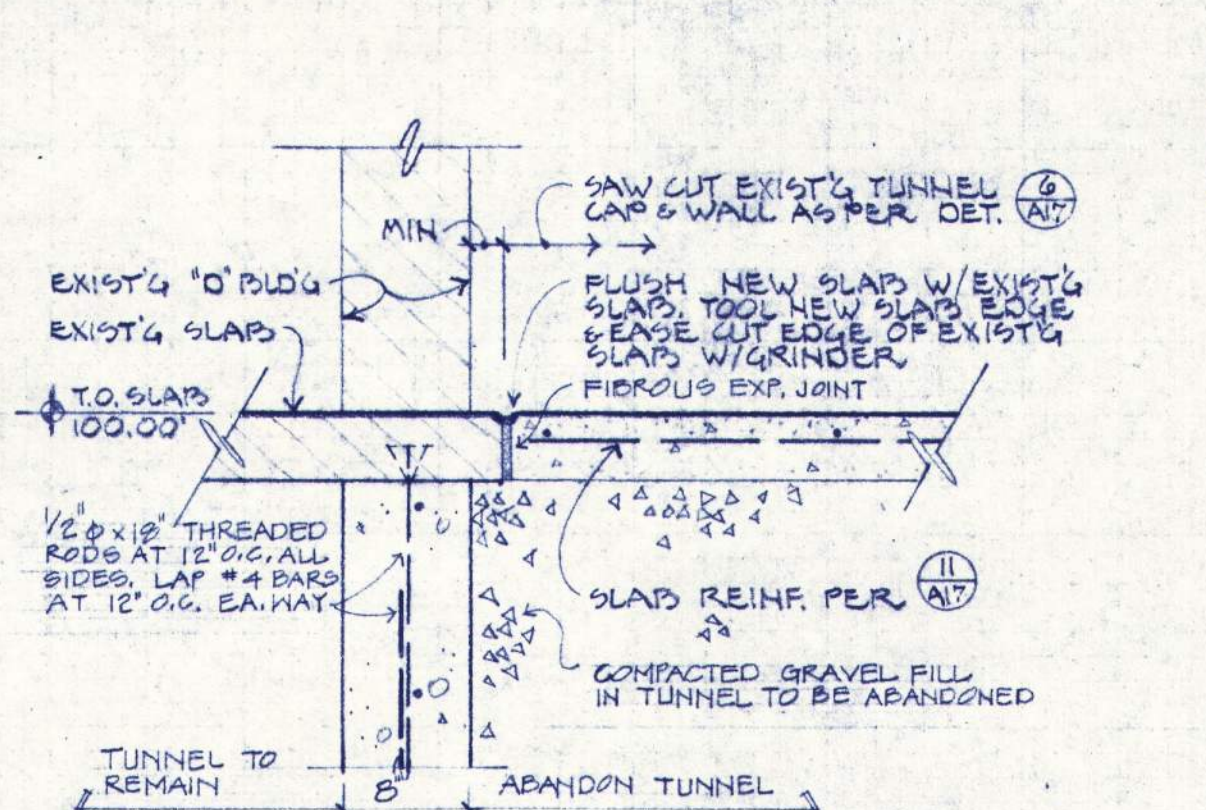
5 FDN. & INT. WALL @ ADJ. EXIST'G BLD'G
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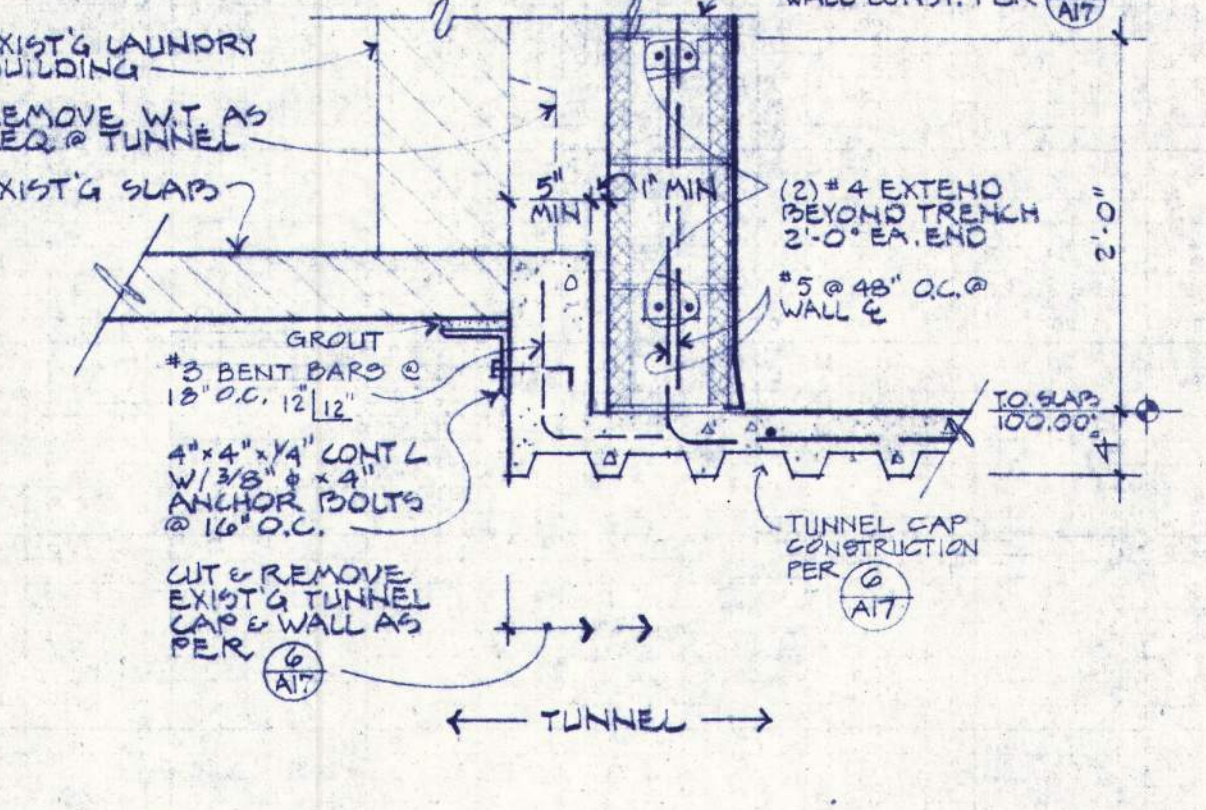
6 TUNNEL CAP @ W. TUNNEL
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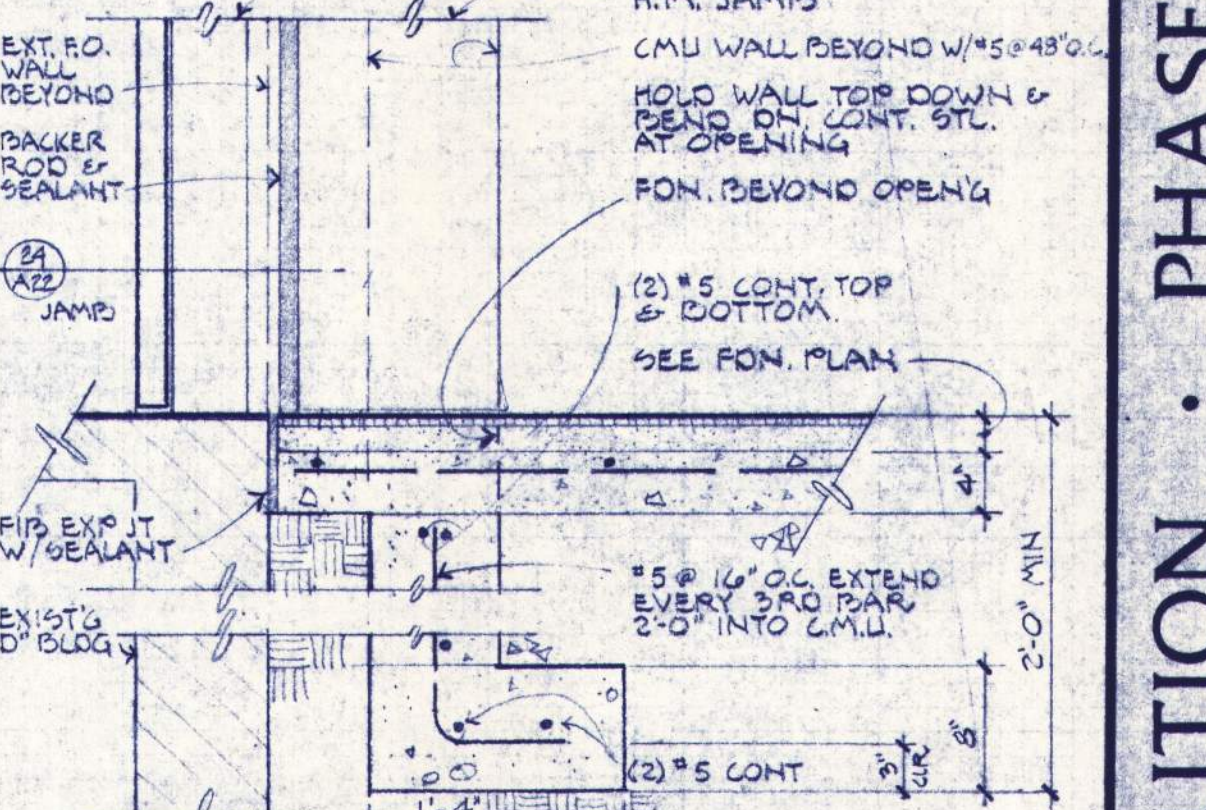
7 TUNNEL CAP @ EXT. WALL & CONC. WALK
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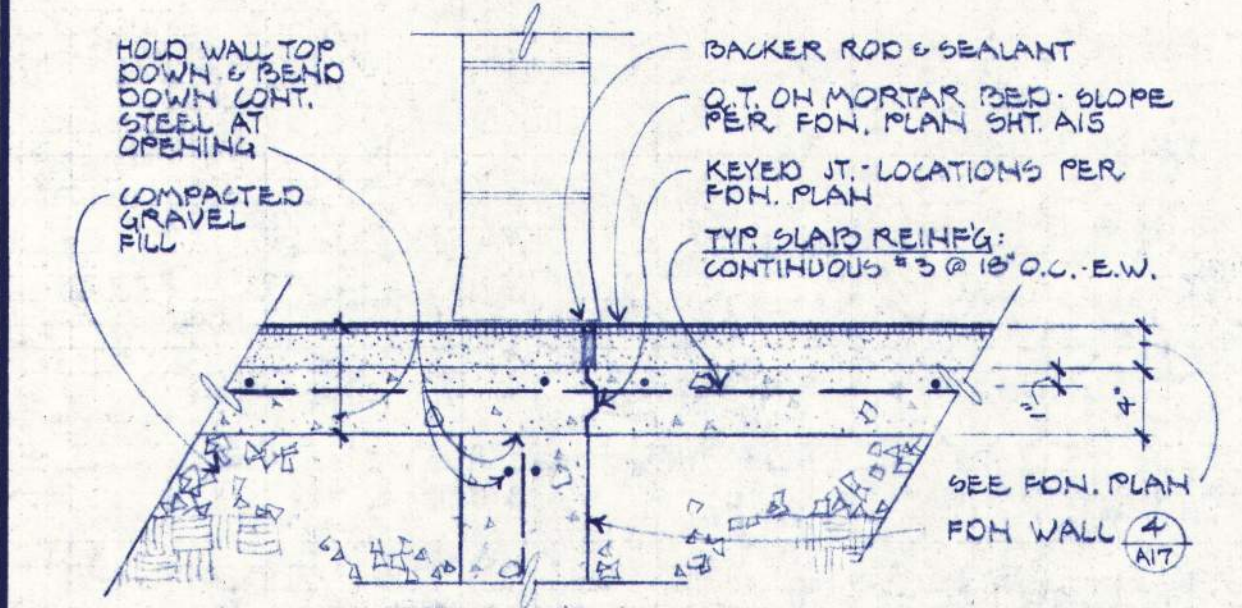
8 ABANDONED TUNNEL @ EXIST'G 'D' BDG.
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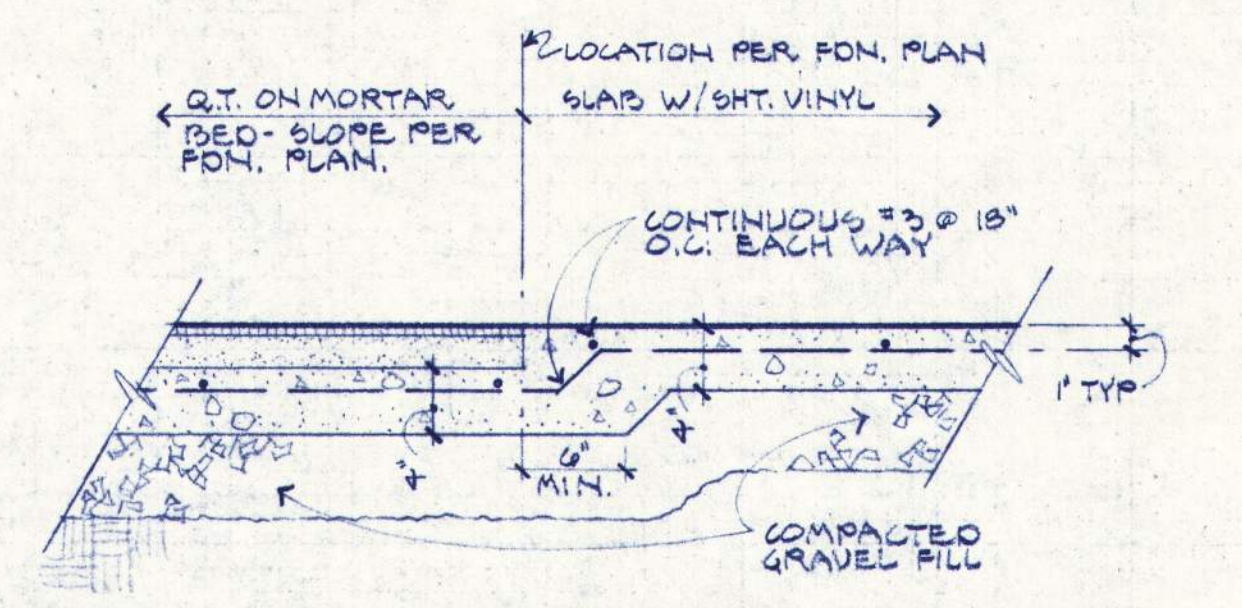
9 TUNNEL CAP @ EXIST'G LAUNDRY BLD'G
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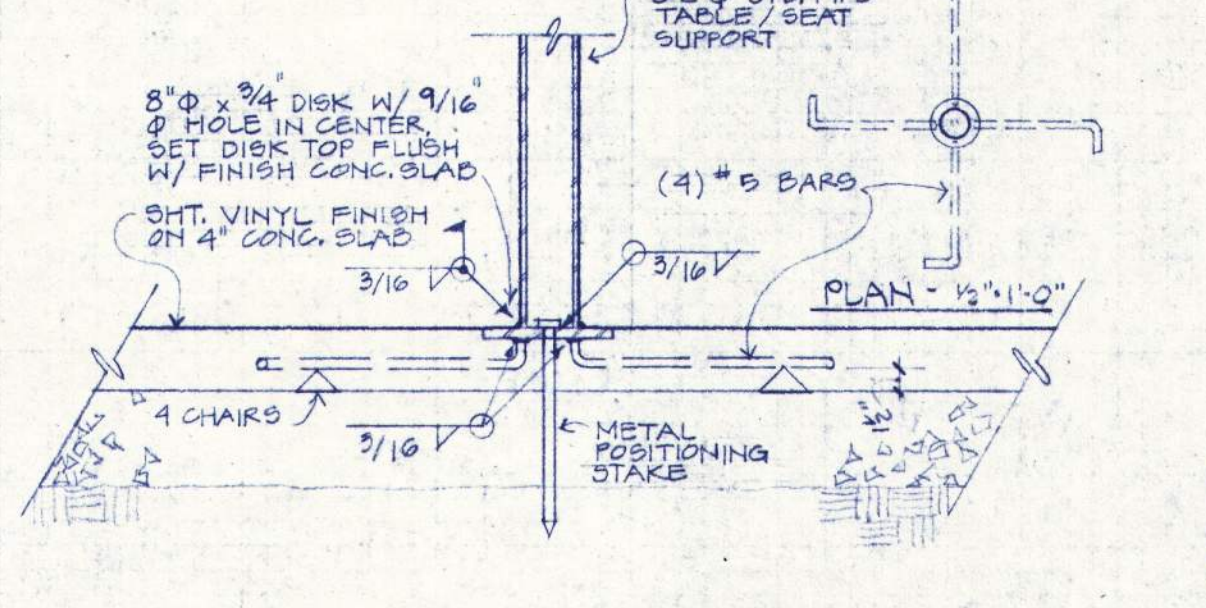
10 FDN. @ EXIST'G 'D' BLD'G BTW GRIDS 'E' & 'F'
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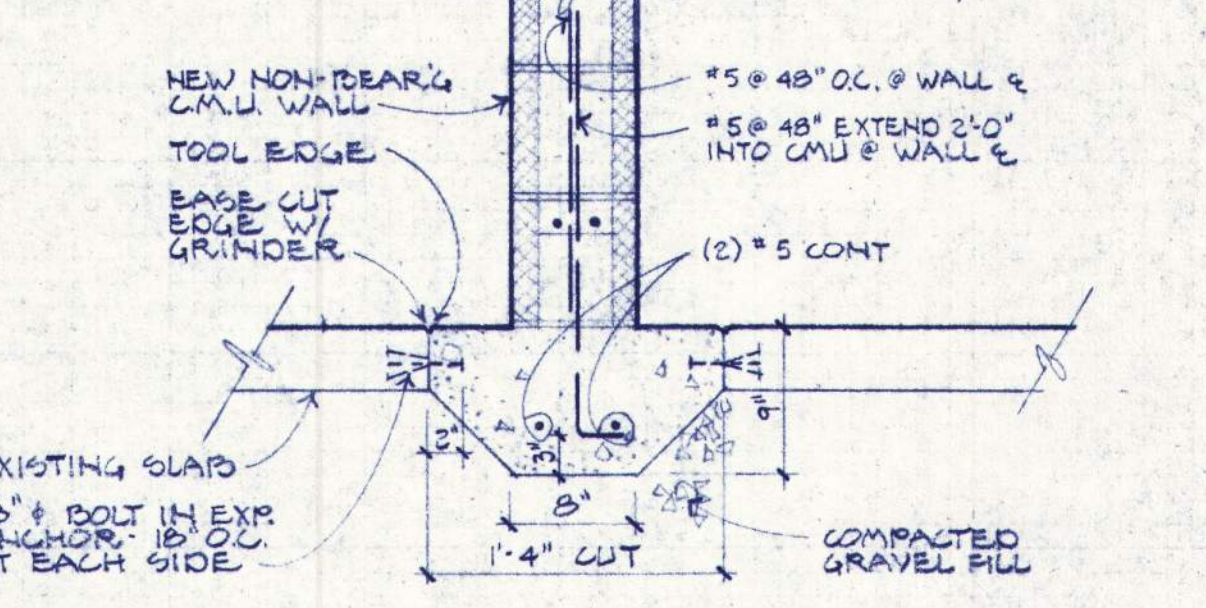
11 TYP. SLAB W/QUARRY TILE FINISH
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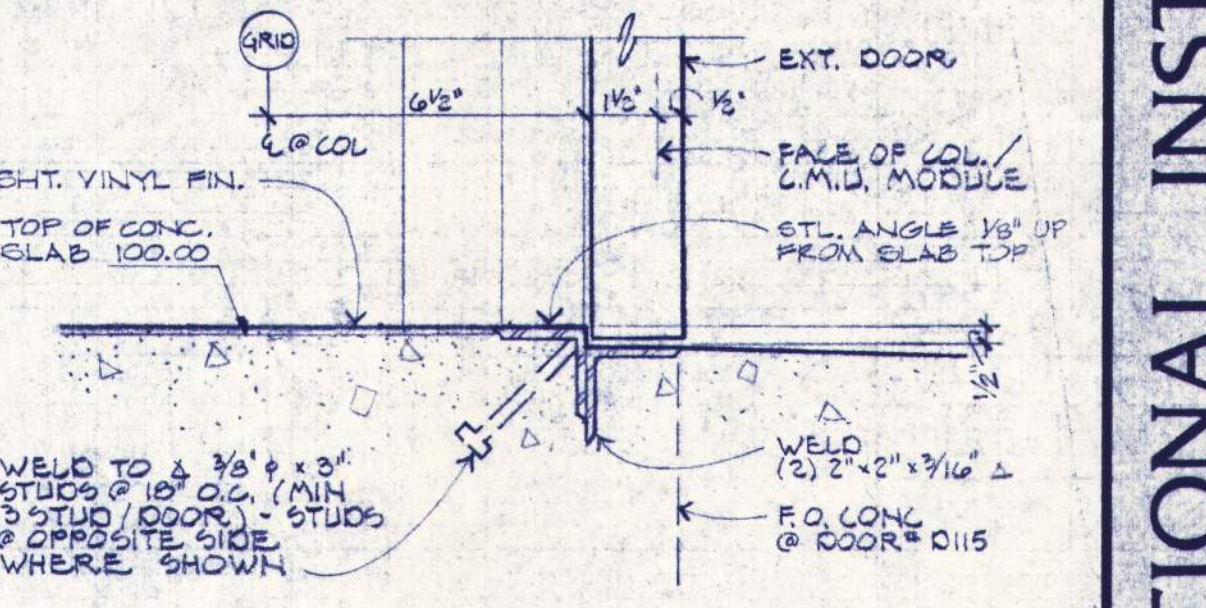
12 Q.T. TO S.V. FLR. FINISH TRANSITION
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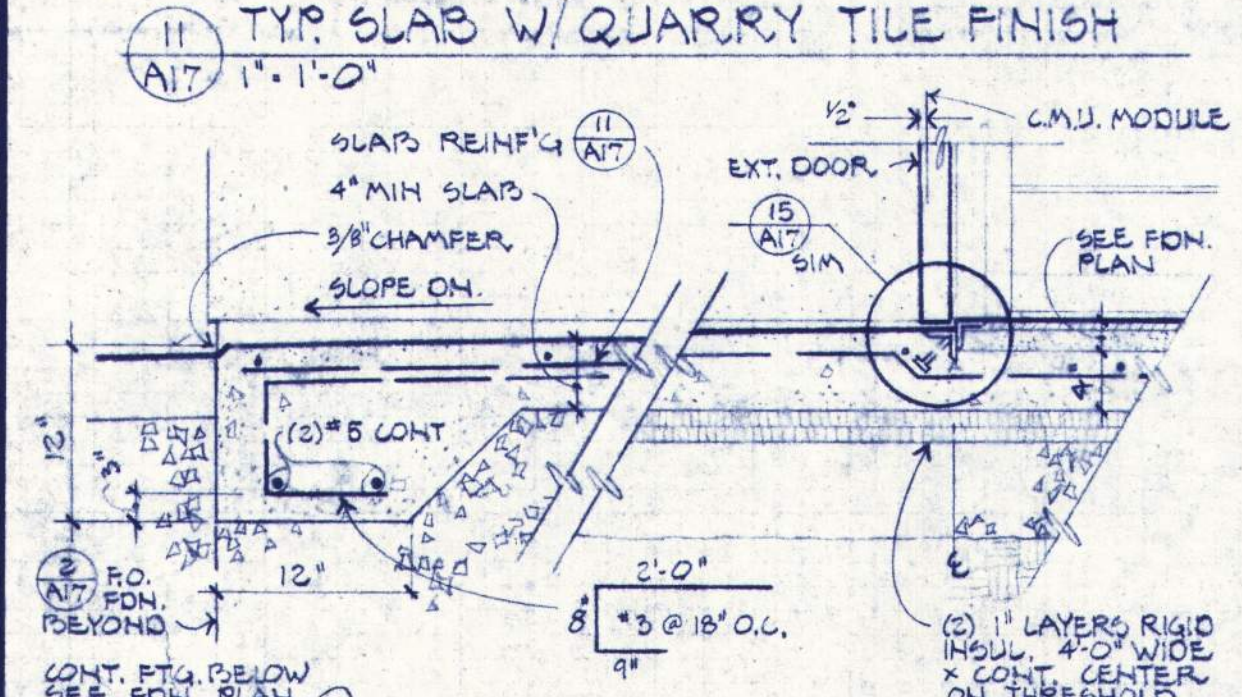
13 SECTION AT TABLE SUPPORT
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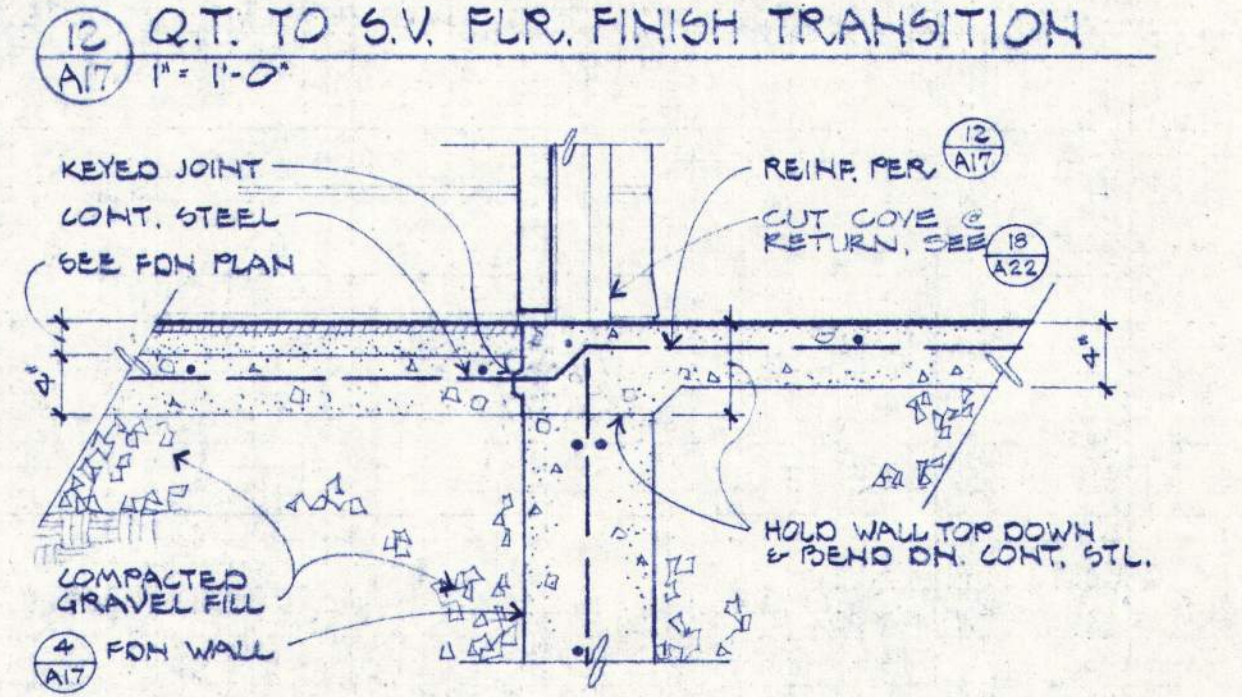
14 NEW FTG. & WALL @ EXIST'G SLAB
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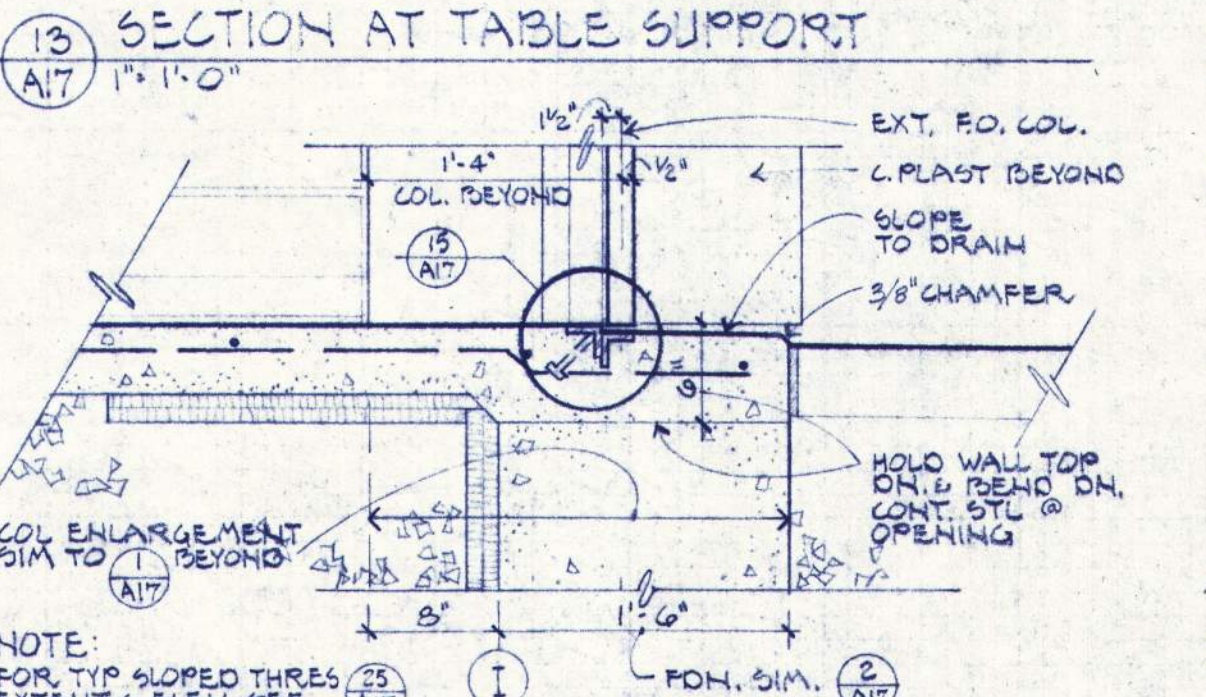
15 THRESHOLD @ EXT. DOOR
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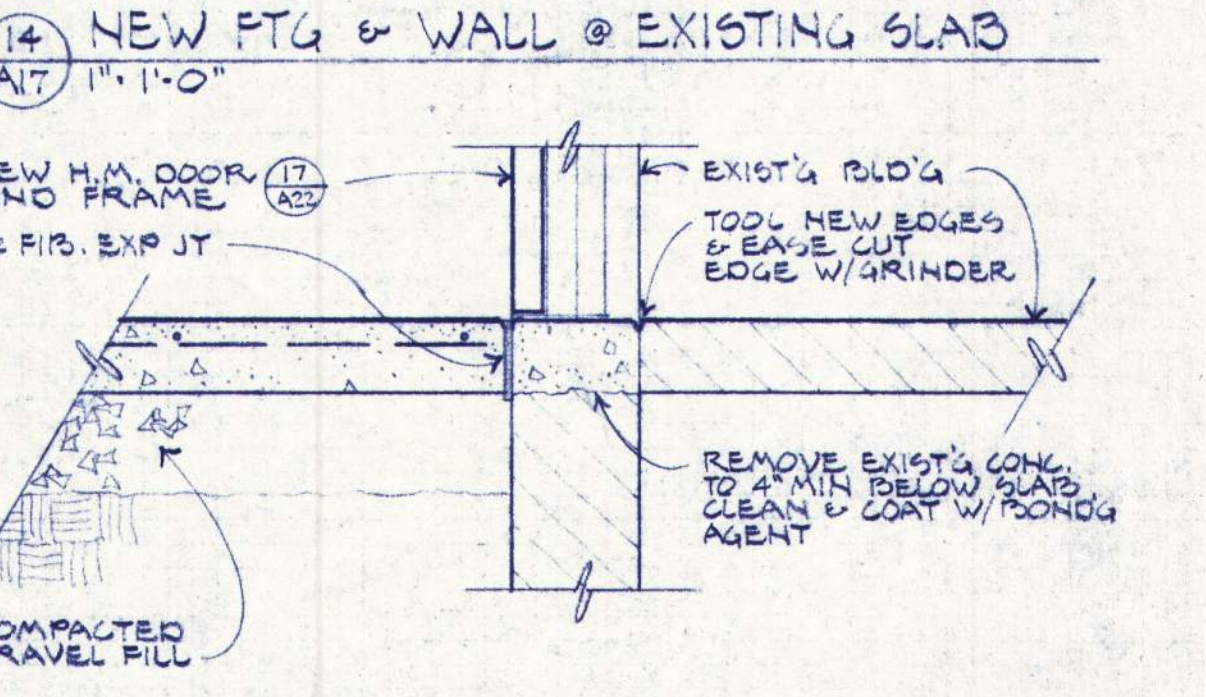
16 THRESHOLD @ ENTRY VESTIBULE
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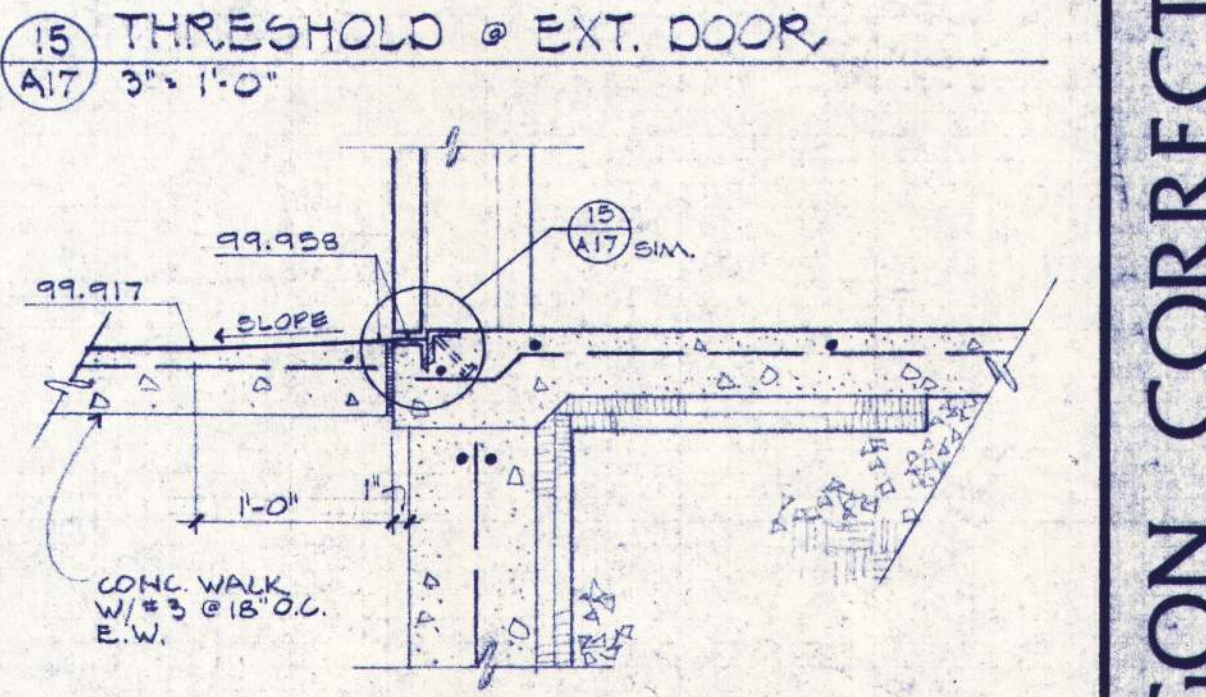
17 THRESHOLD @ ENTRY VEST. & DINING
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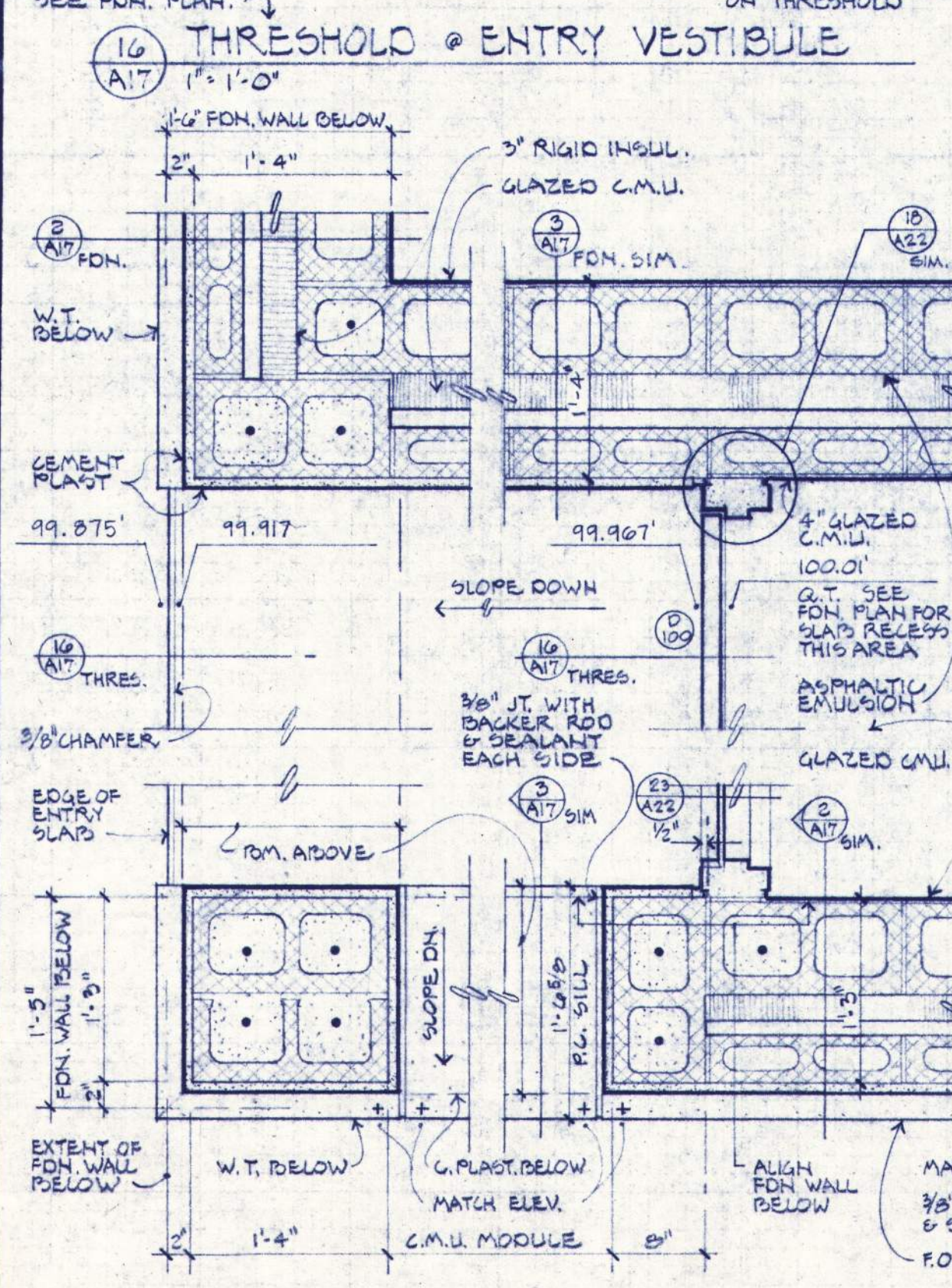
18 THRESHOLD AT EXIT DOOR
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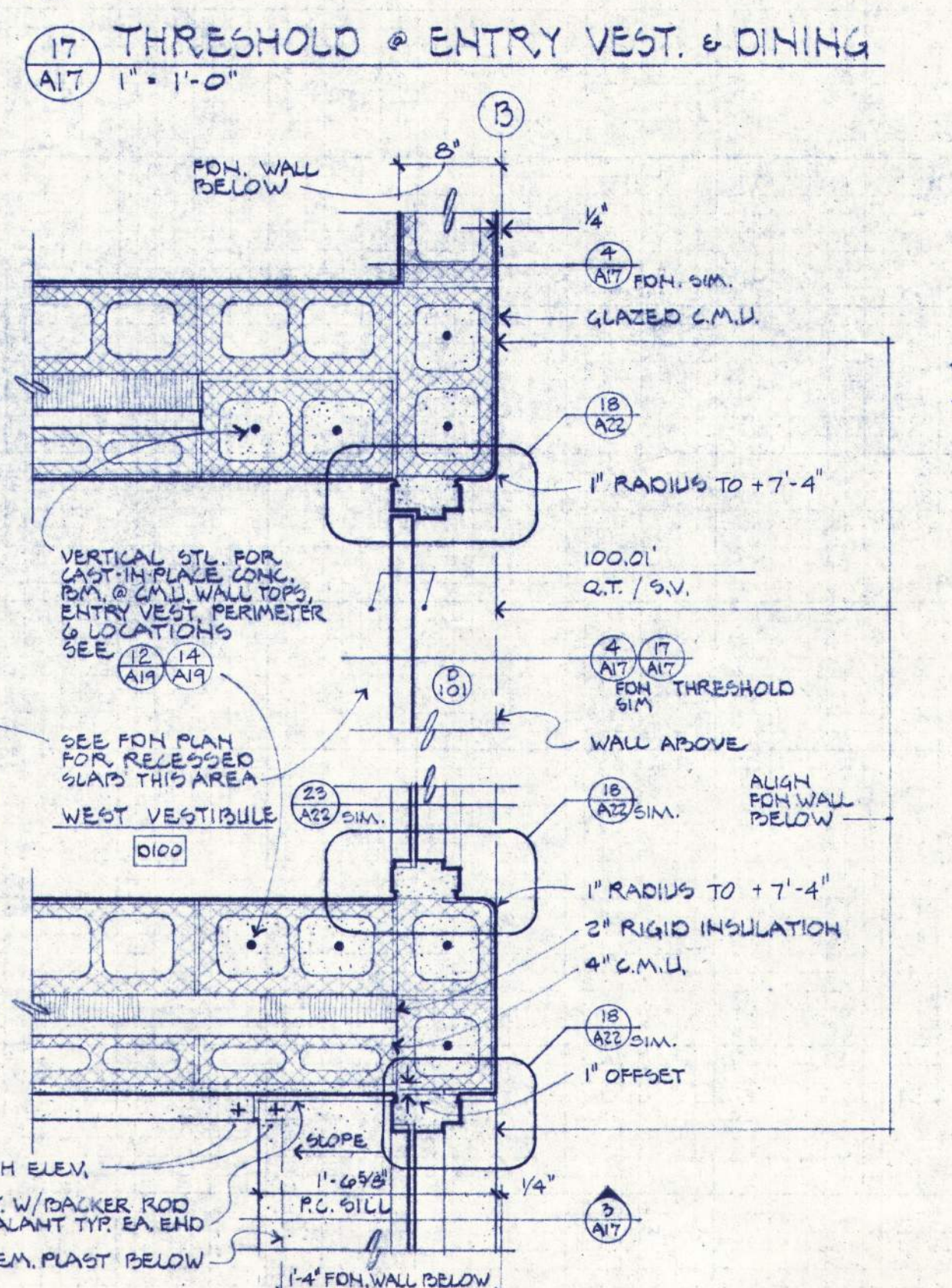
19 THRESHOLD @ EXIST'G BUILDING
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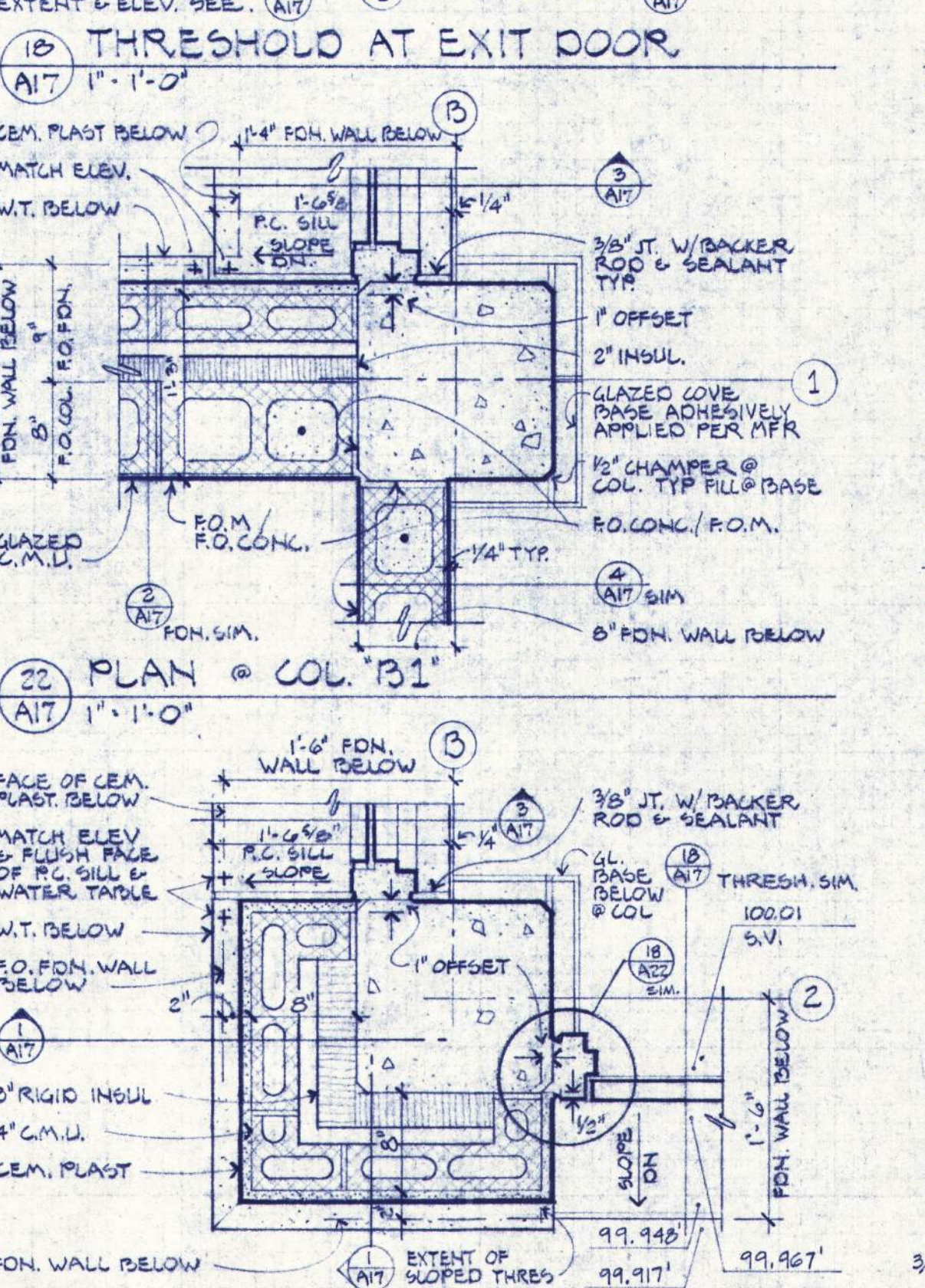
20 THRESHOLD AT EXIT DOOR 'D115'
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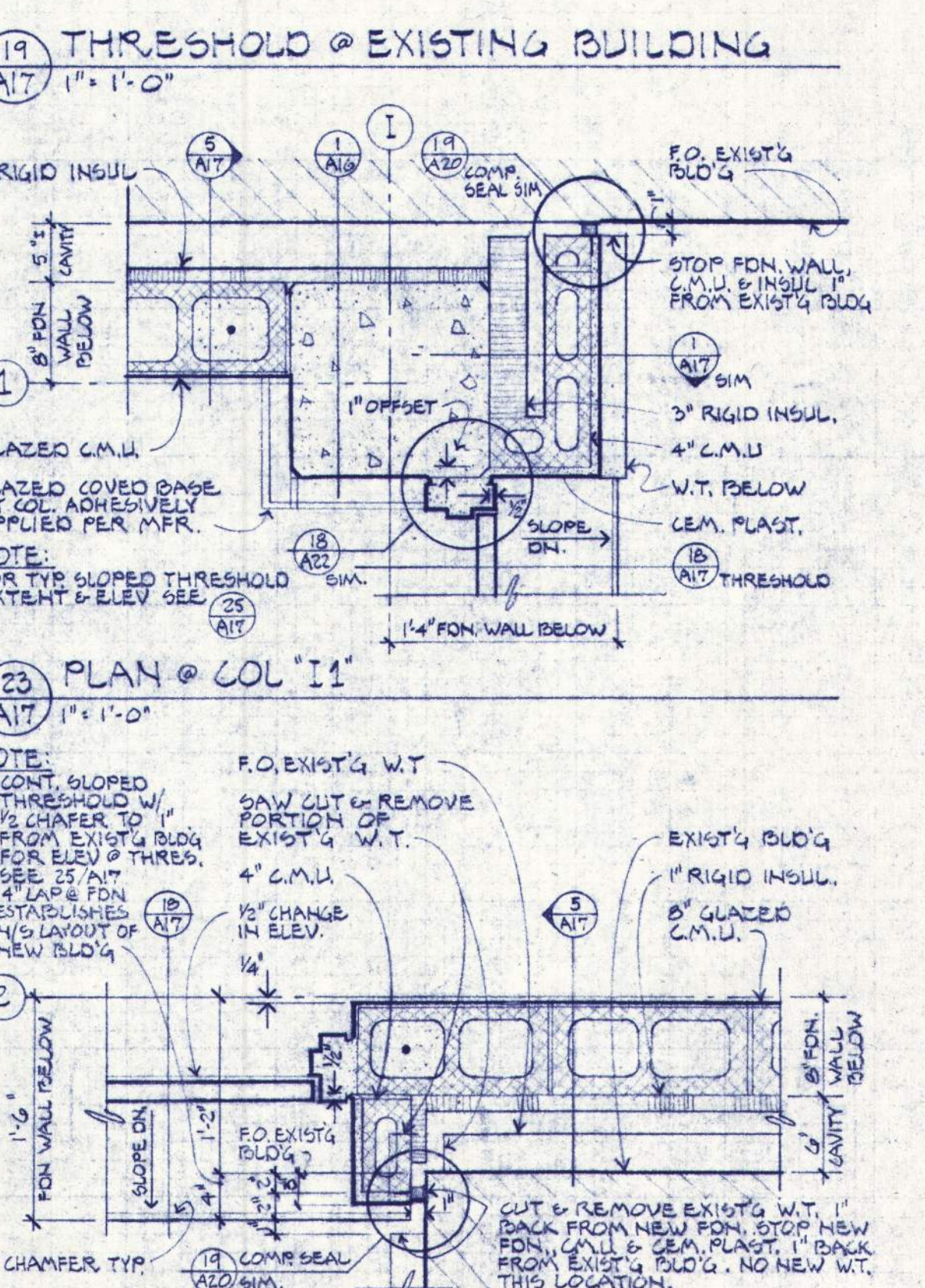
21 PLAN @ ENTRY VESTIBULE
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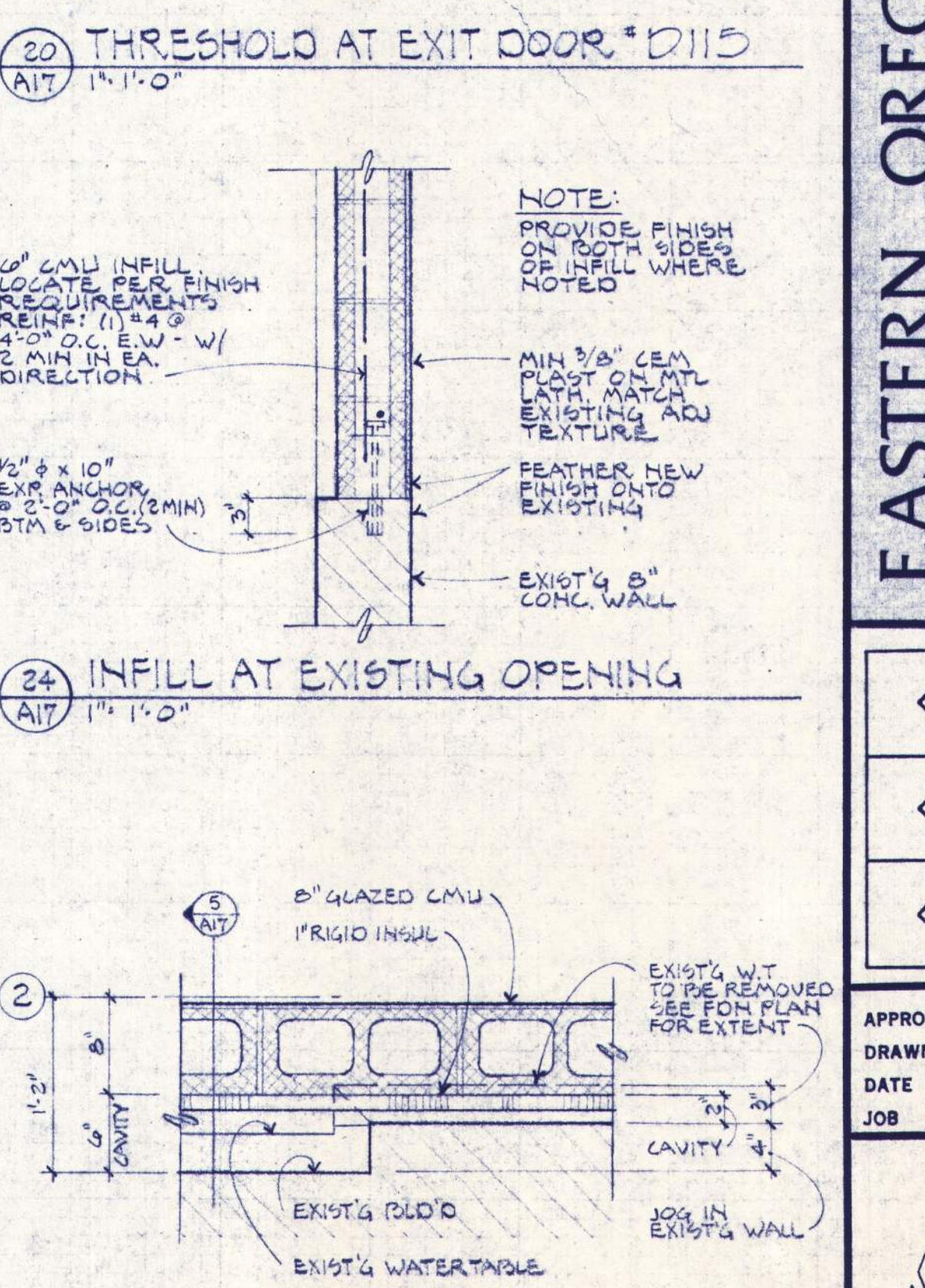
22 PLAN @ COL 'B1'
1\"/>



23 PLAN @ COL 'I1'
1\"/>



24 PLAN @ EXIST'G BLD'G NEAR GRID 'B-2'
OPPOSITE NEAR GRID 'I-2'



25 PLAN @ JOG IN EXIST'G LAUNDRY BLD'G
1\"/>

PHASE 6

EASTERN OREGON CORRECTIONAL INSTITUTION

WEGROUP pc/ARCHITECTS & PLANNERS

PENLETON, OREGON

DINING BUILDING

REGISTERED ARCHITECT NO. 8000
REGISTERED ARCHITECT NO. 8000

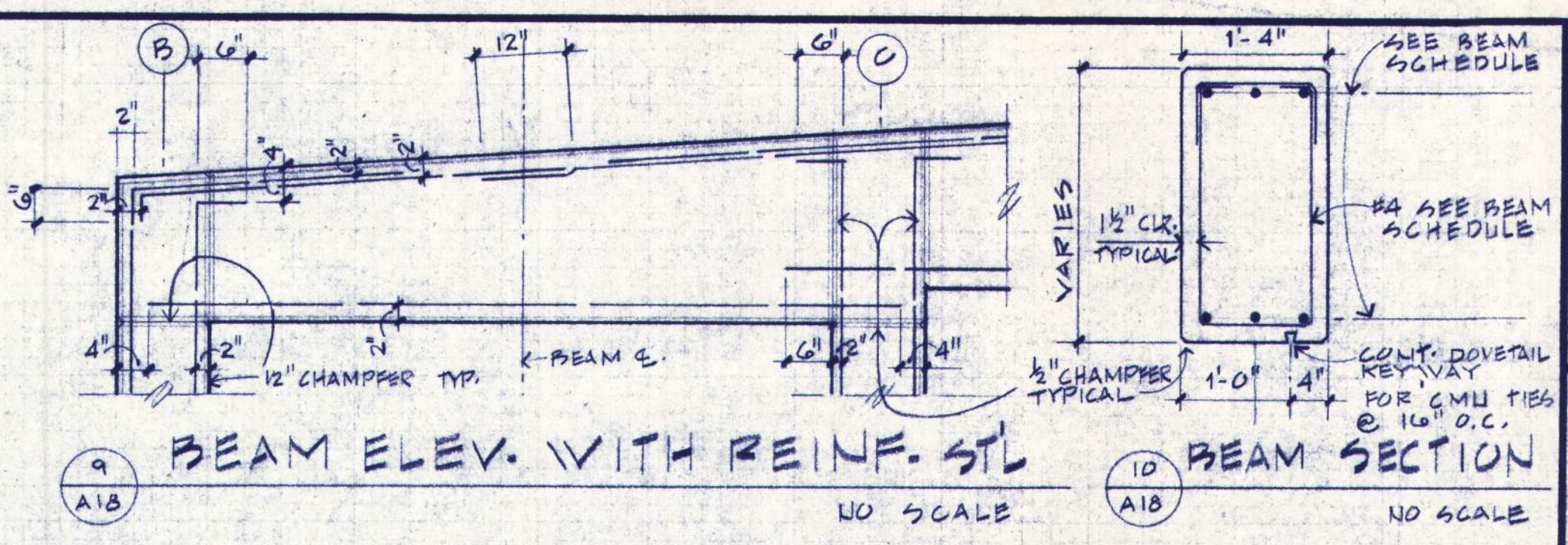
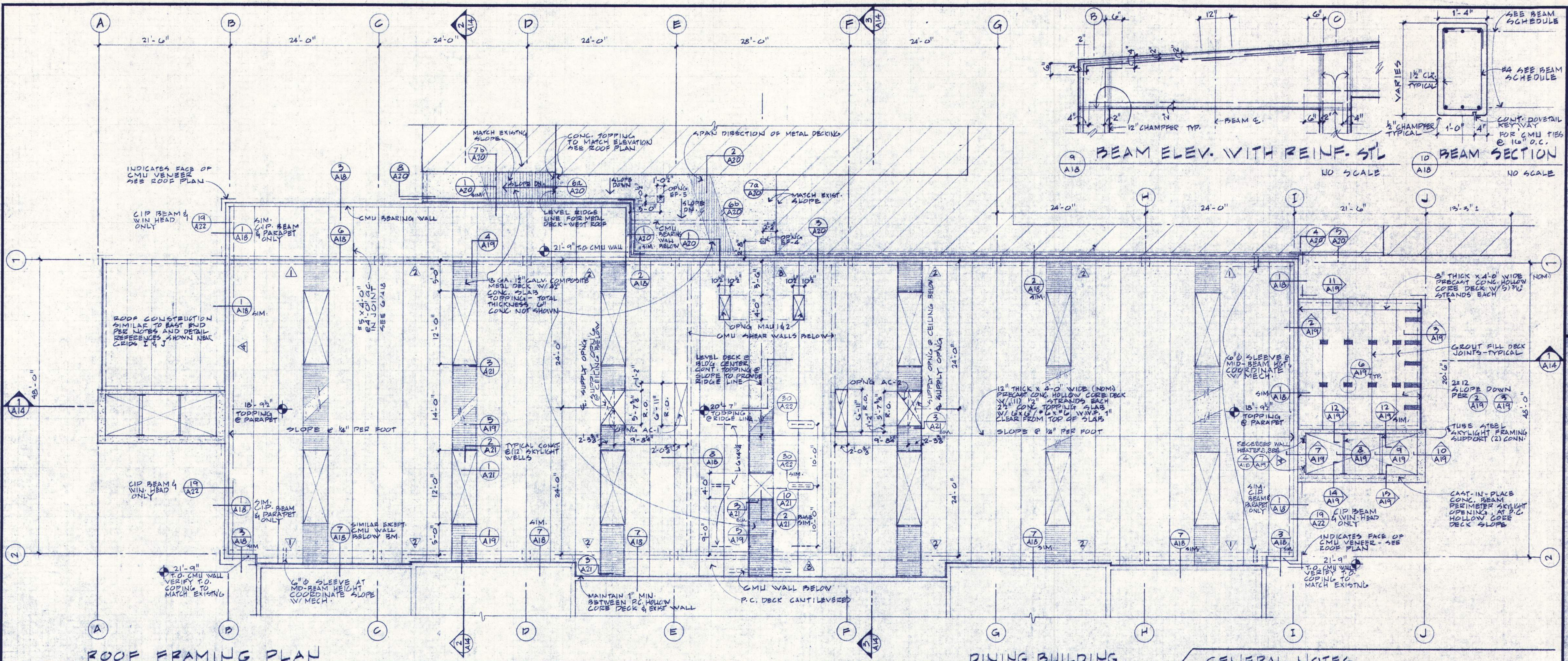
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
1225 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1827 OAK STREET / EUGENE, OREGON 97401 / (503) 344-3249

FRANK HONEY
STRUCTURAL ENGINEER
1000 N. WASHINGTON / ASTORIA, OREGON 97103 / (503) 325-1181

APPROVED
DRAWN: OLC
DATE: 2/10/88
JOB: 8016

A17



REGISTERED ARCHITECT
NORRIS & HAYES
 1000 N. W. 10TH AVENUE
 PORTLAND, OREGON 97228

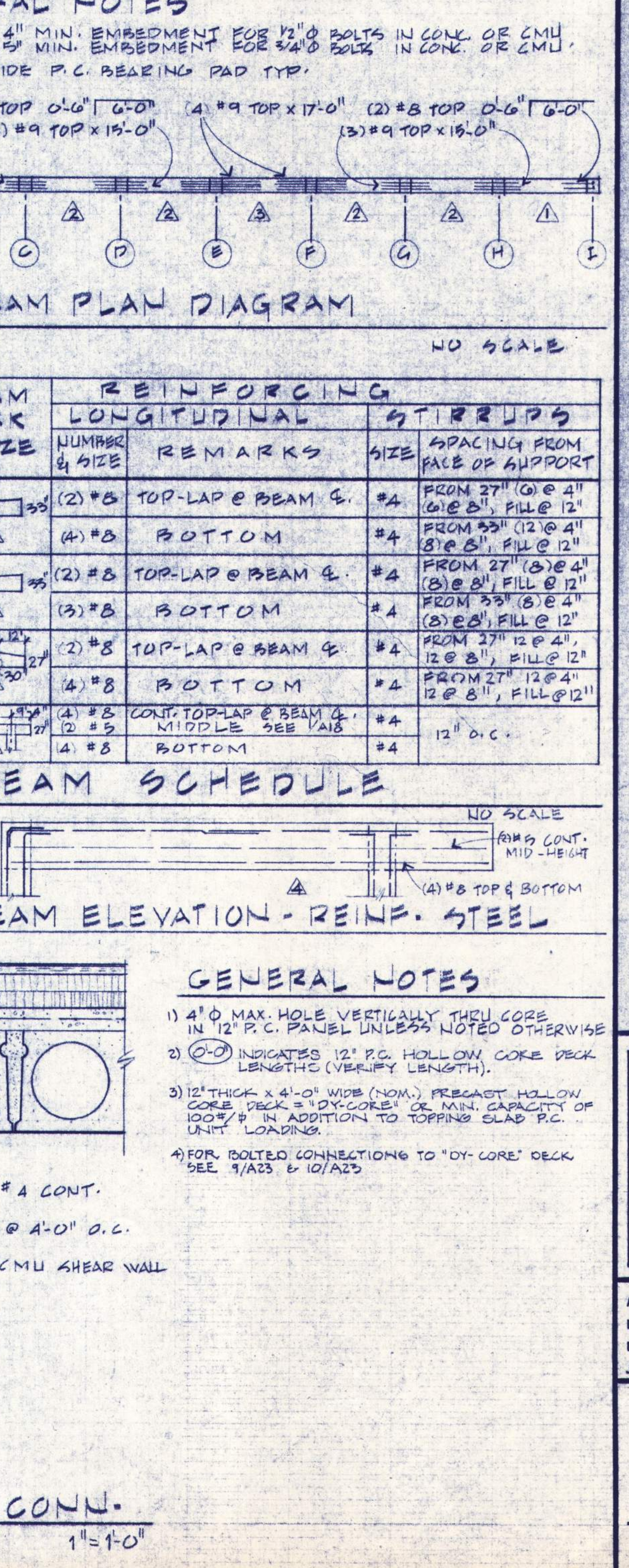
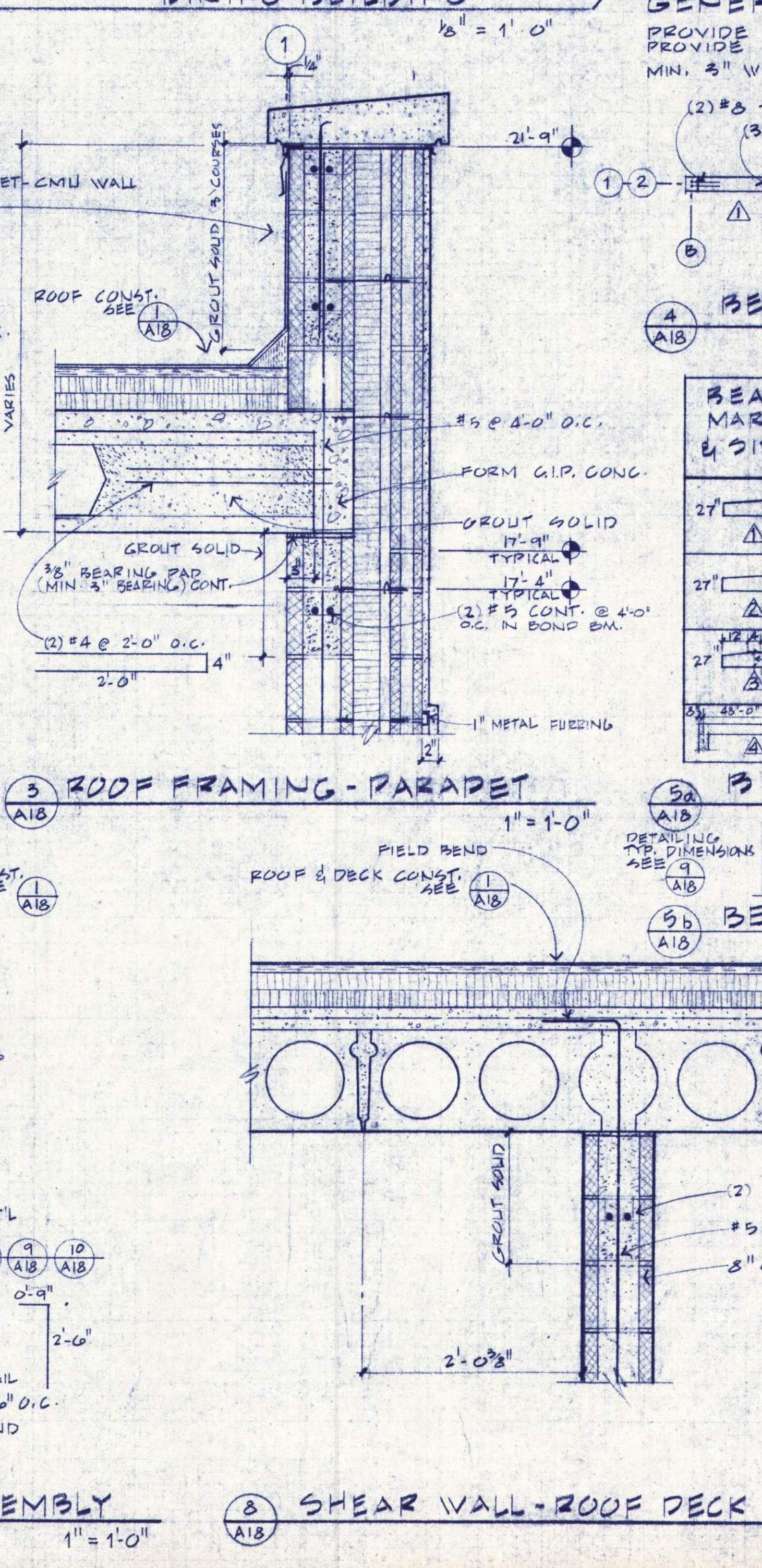
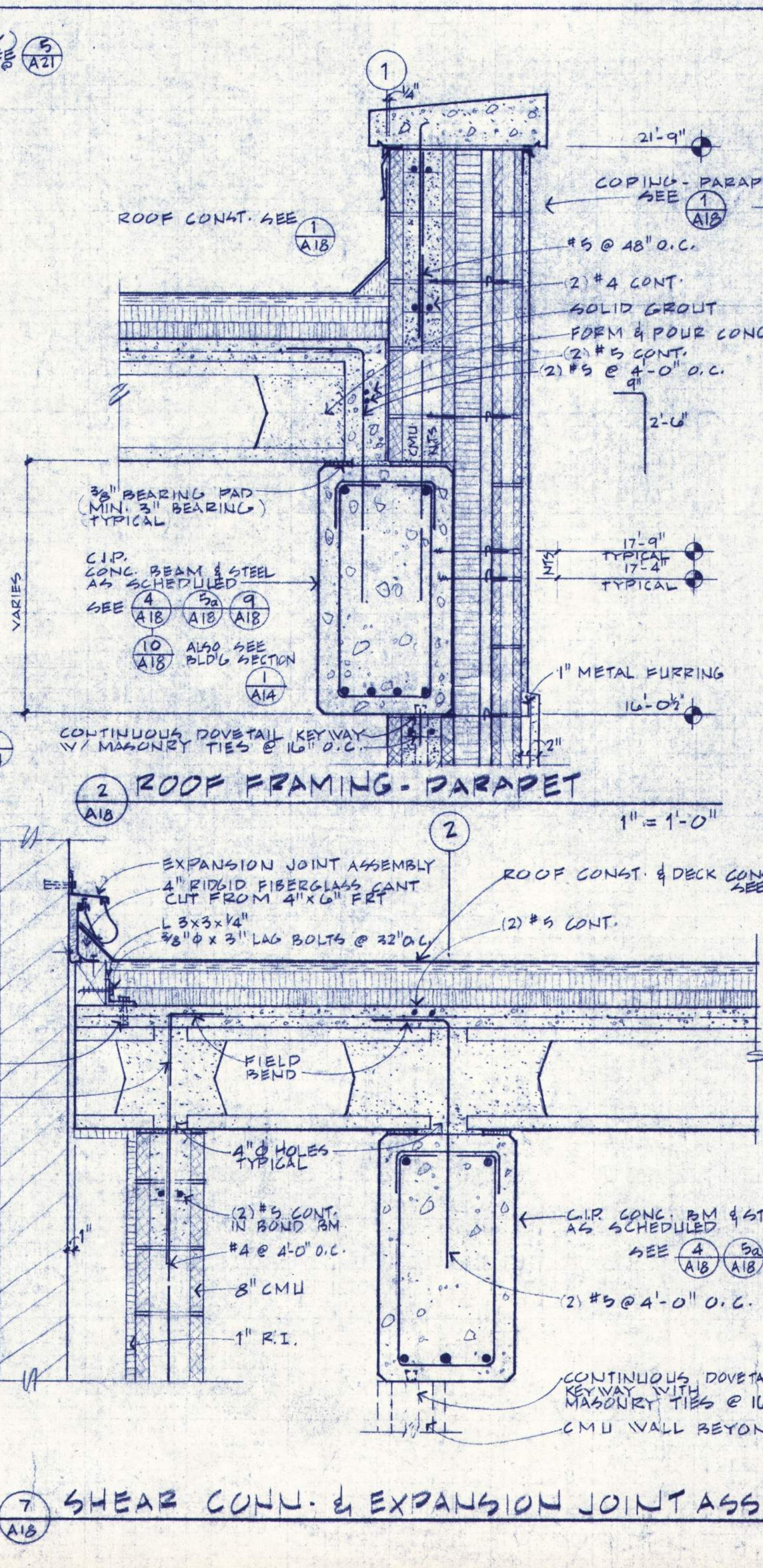
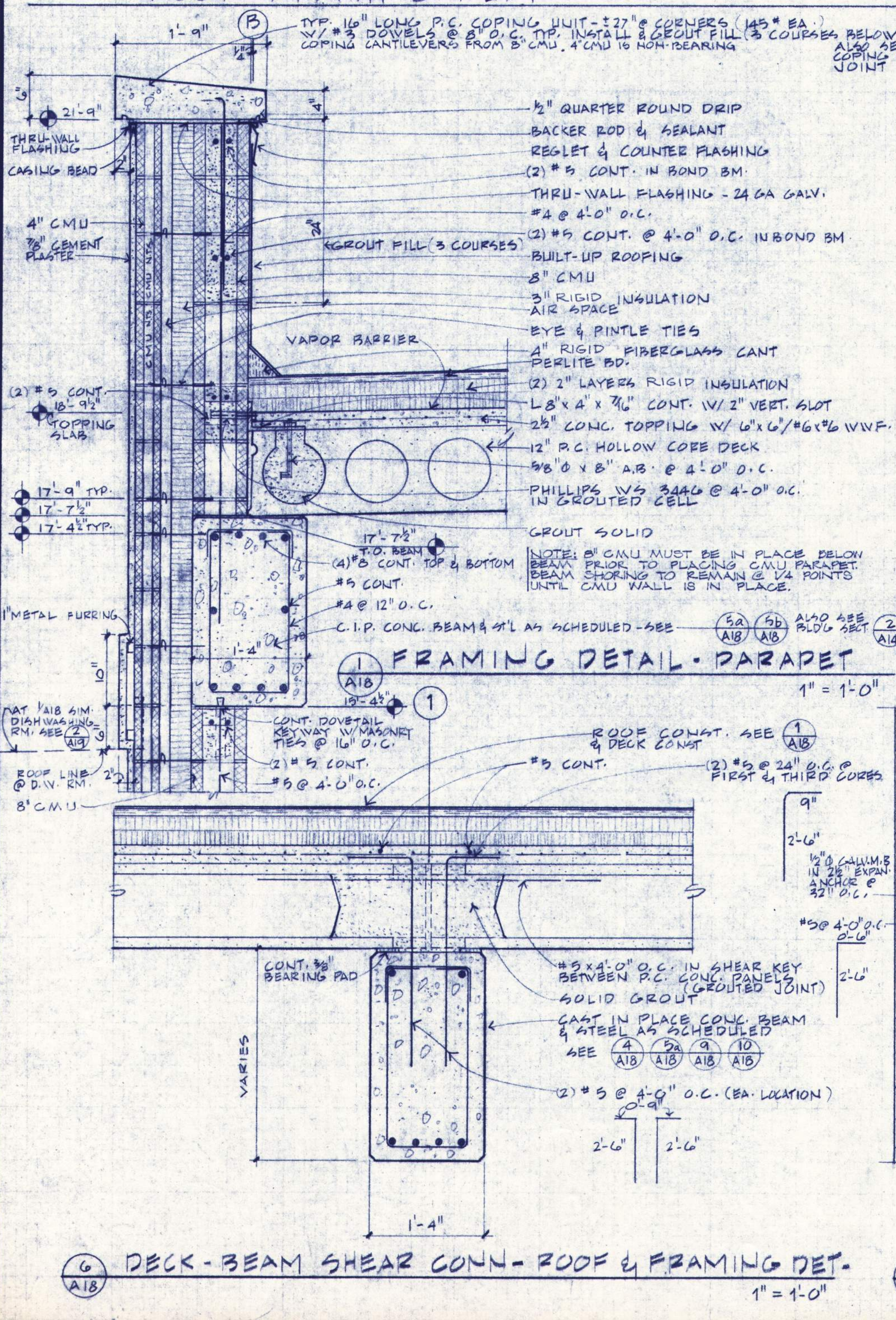
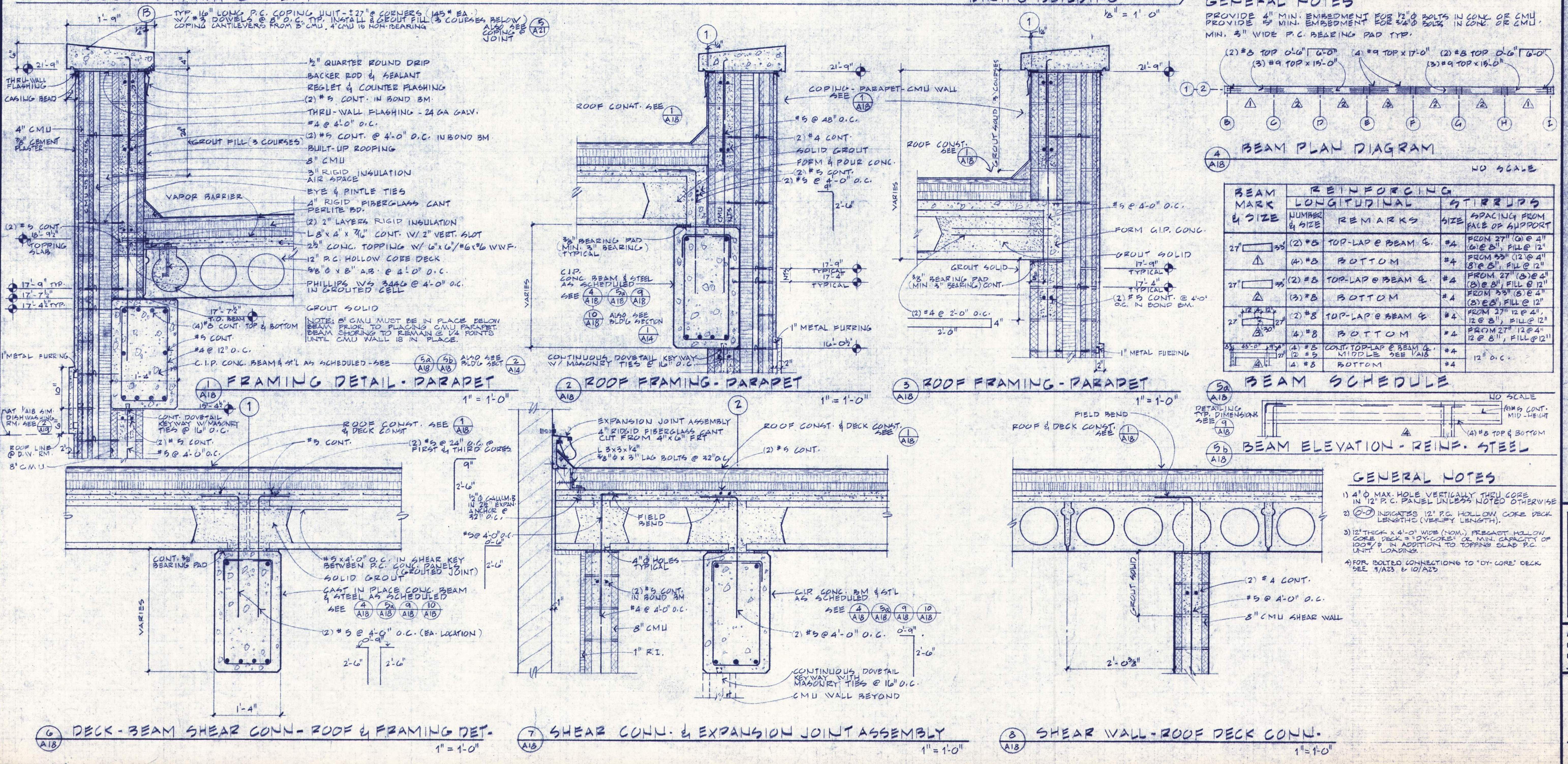
REGISTERED ARCHITECT
LANDSCAPE ARCHITECT
 1401 OAK STREET
 BURGESS, OREGON 97148

BALZHISER, HUBBARD ASSOCIATES
 MECHANICAL & ELECTRICAL ENGINEERS
 800 N. W. 10TH STREET
 PORTLAND, OREGON 97228

LOYD BOND & ASSOCIATES
 LANDSCAPE ARCHITECT
 1401 OAK STREET
 BURGESS, OREGON 97148

FRANK HONEY
 STRUCTURAL ENGINEER
 800 N. W. 10TH STREET
 PORTLAND, OREGON 97228

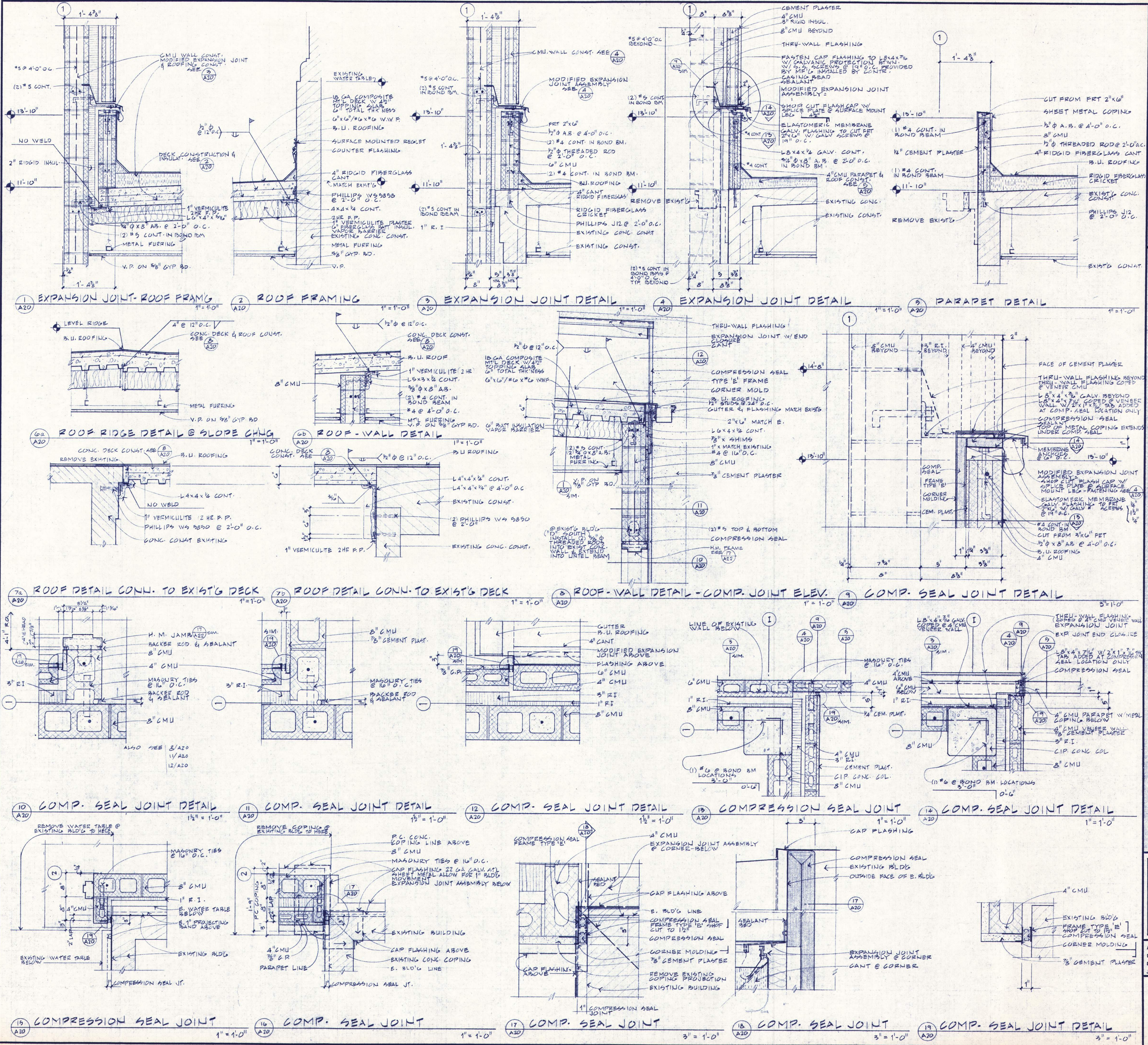
EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
DINING BUILDING
WEGROUP pc / ARCHITECTS & PLANNERS
 PENDELTON, OREGON
 822 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 225-1181
 863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249



6 DECK-BEAM SHEAR CONN. - ROOF & FRAMING DET.
7 SHEAR CONN. & EXPANSION JOINT ASSEMBLY
8 SHEAR WALL-ROOF DECK CONN.

APPROVED
 DRAWN L.W.
 DATE 2/16/88
 JOB B01.6

A18



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
400 MARKET STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECTS
1807 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
809 S. W. LAUREL LANE, PORTLAND, OREGON 97205

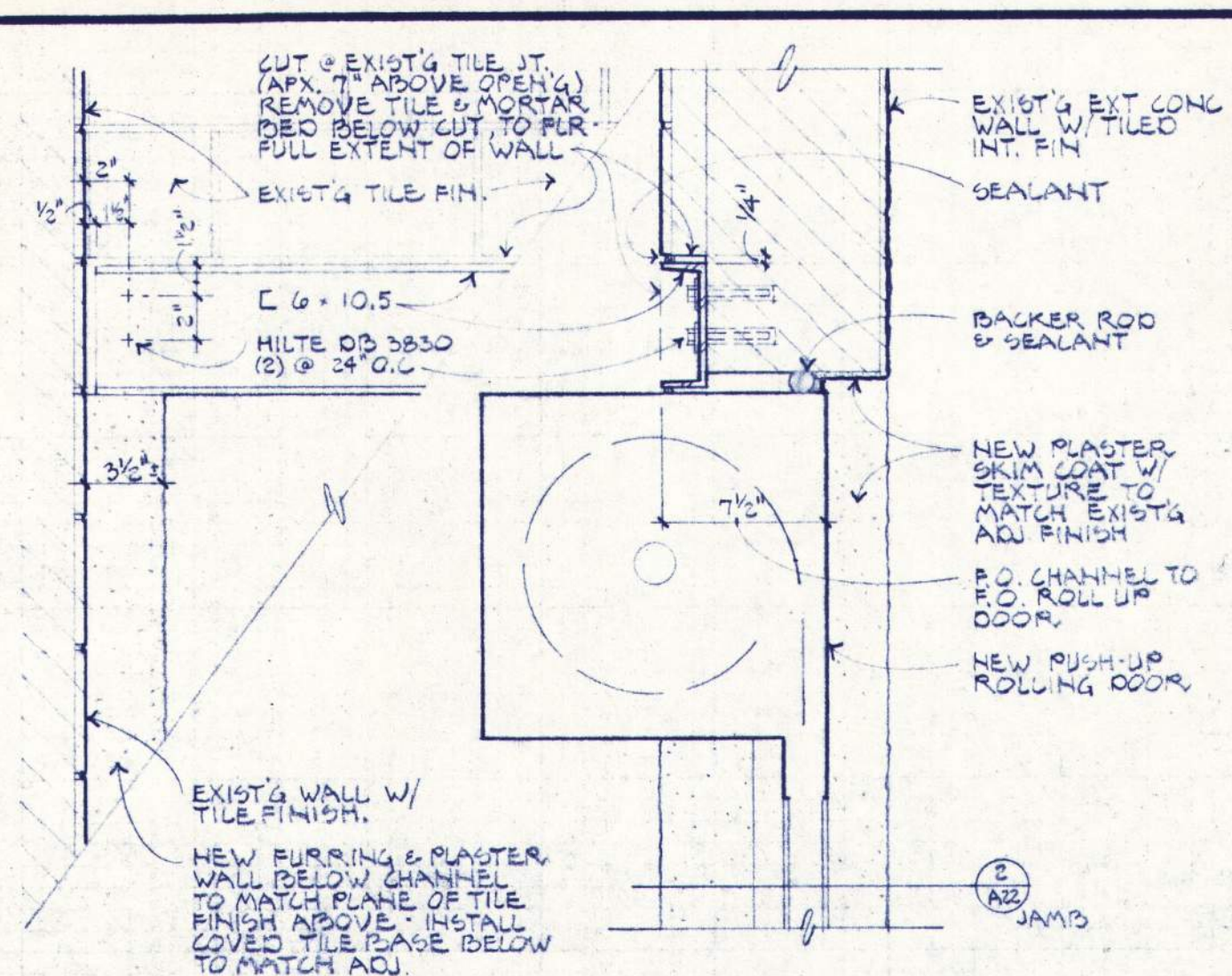
EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

WEGROUP INC / ARCHITECTS & PLANNERS
122 S. W. THIRD AVENUE, PORTLAND, OREGON 97204 (503) 224-1181
883 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 (503) 344-3849

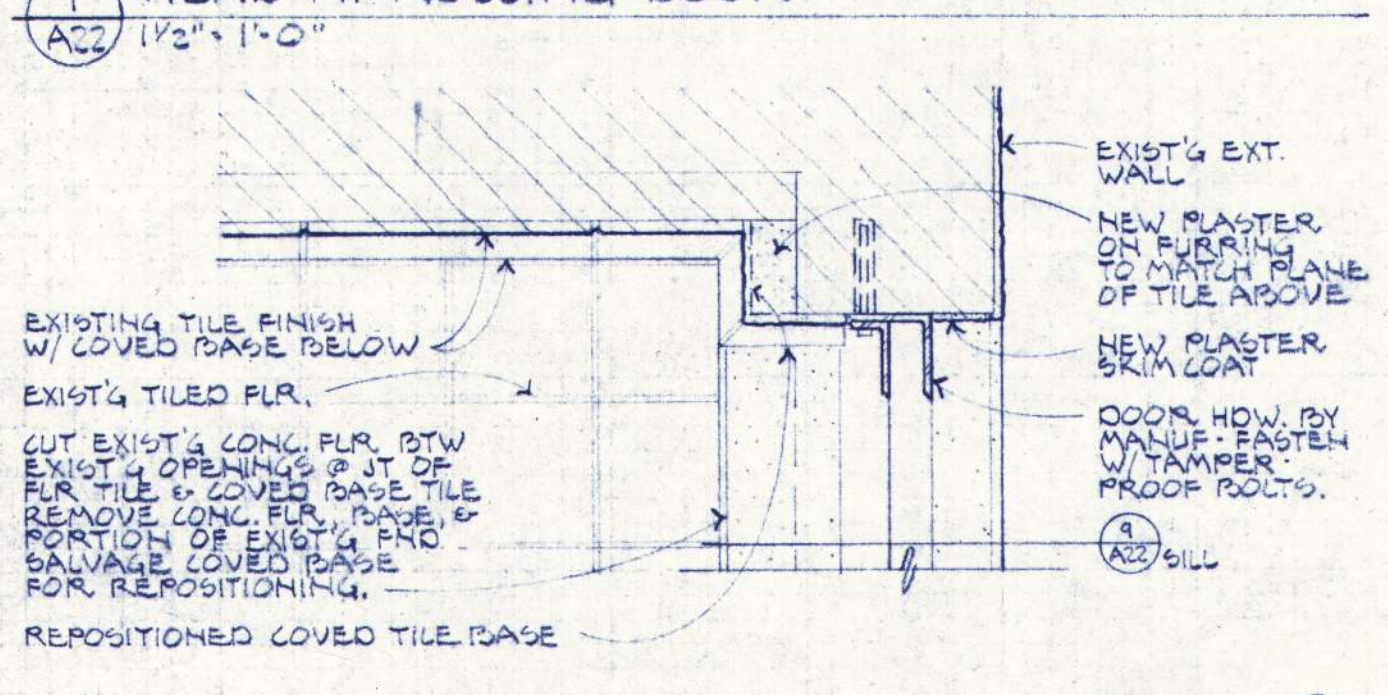
APPROVED

DRAWN	L.W.
DATE	2/10/88
JOB	8016

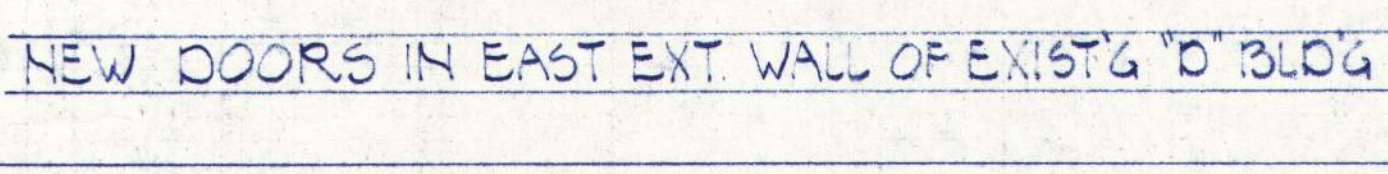




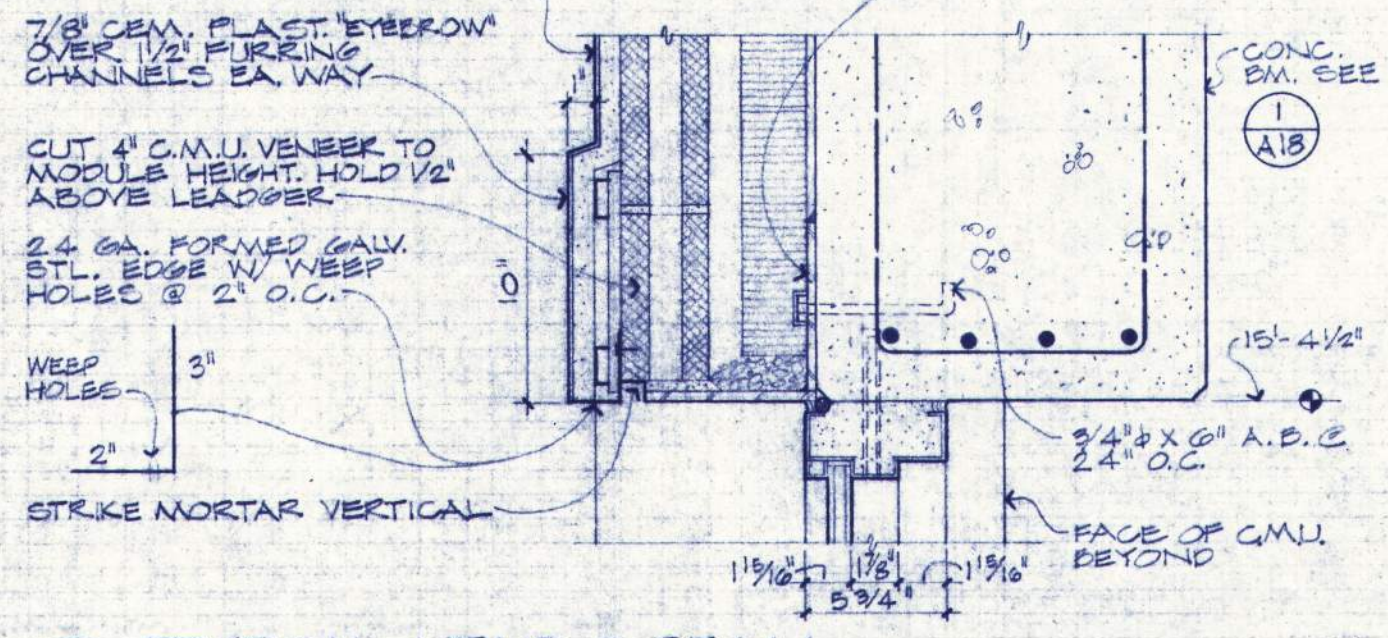
3 HEAD AT TRANSOM
A22 1/2" x 1'-0"



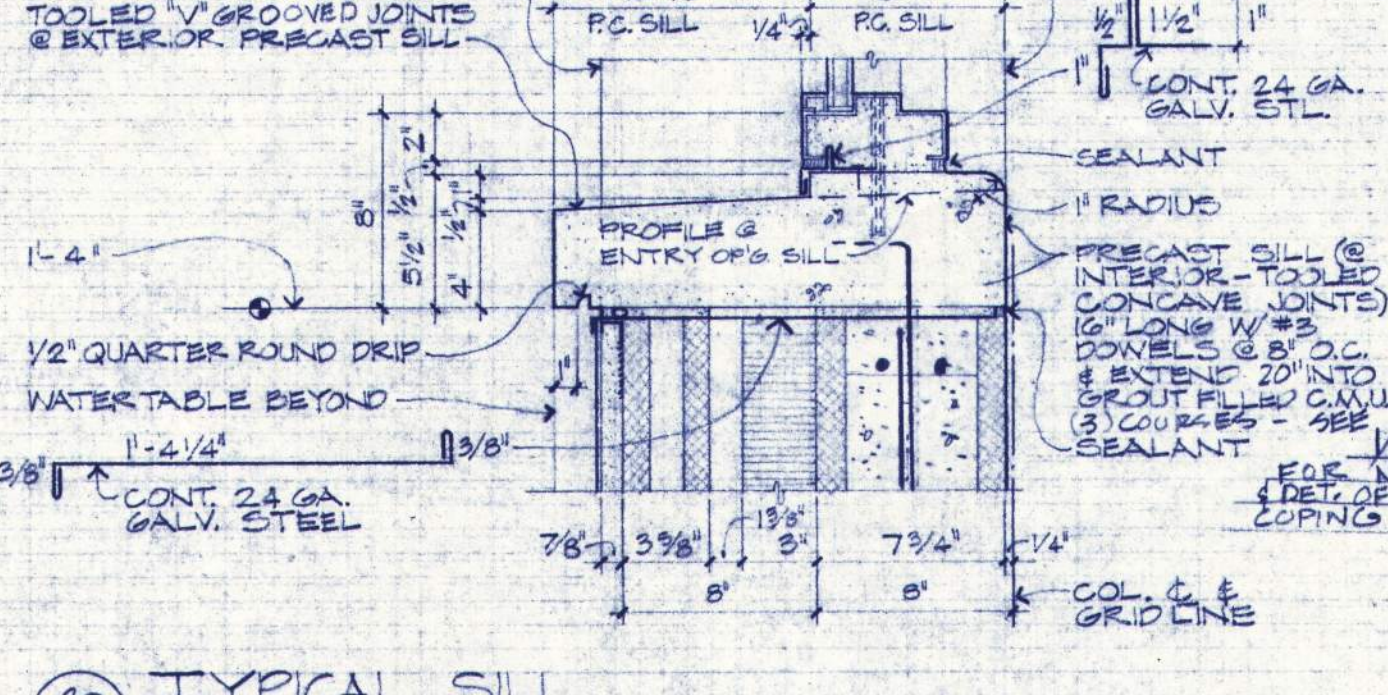
4 HEAD AT ROLLING DOOR
A22 1/2" x 1'-0"



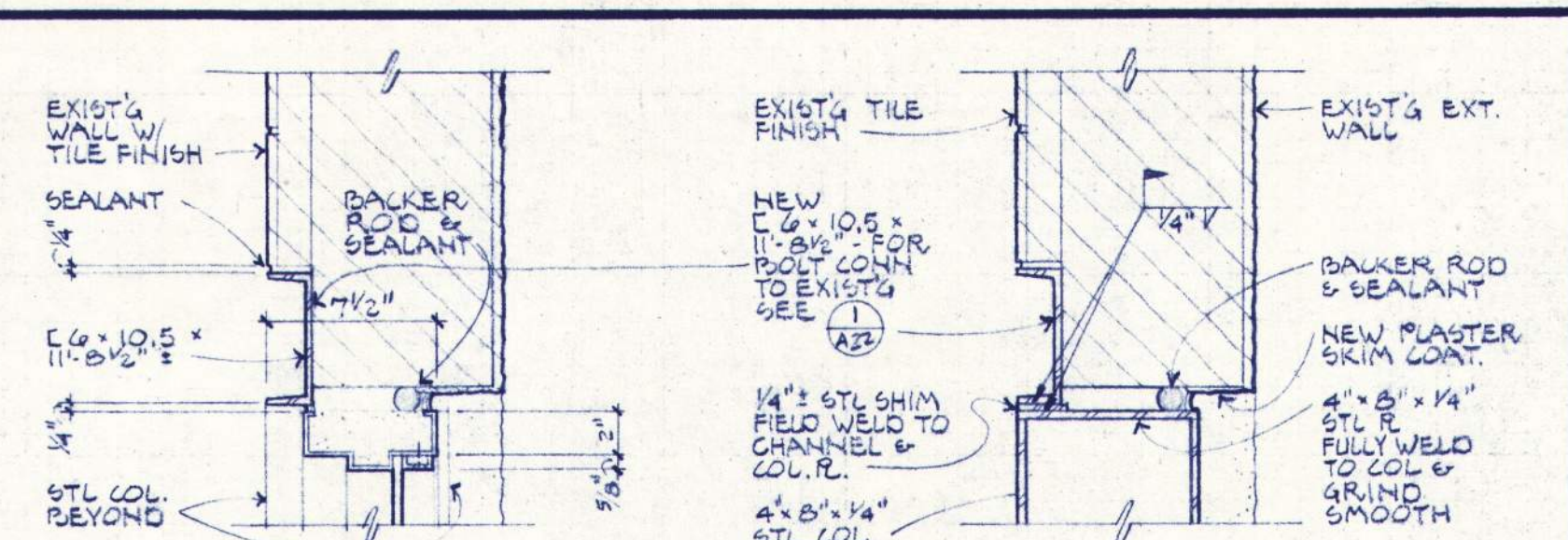
5 JAMB AT ROLLING DOOR
A22 1/2" x 1'-0"



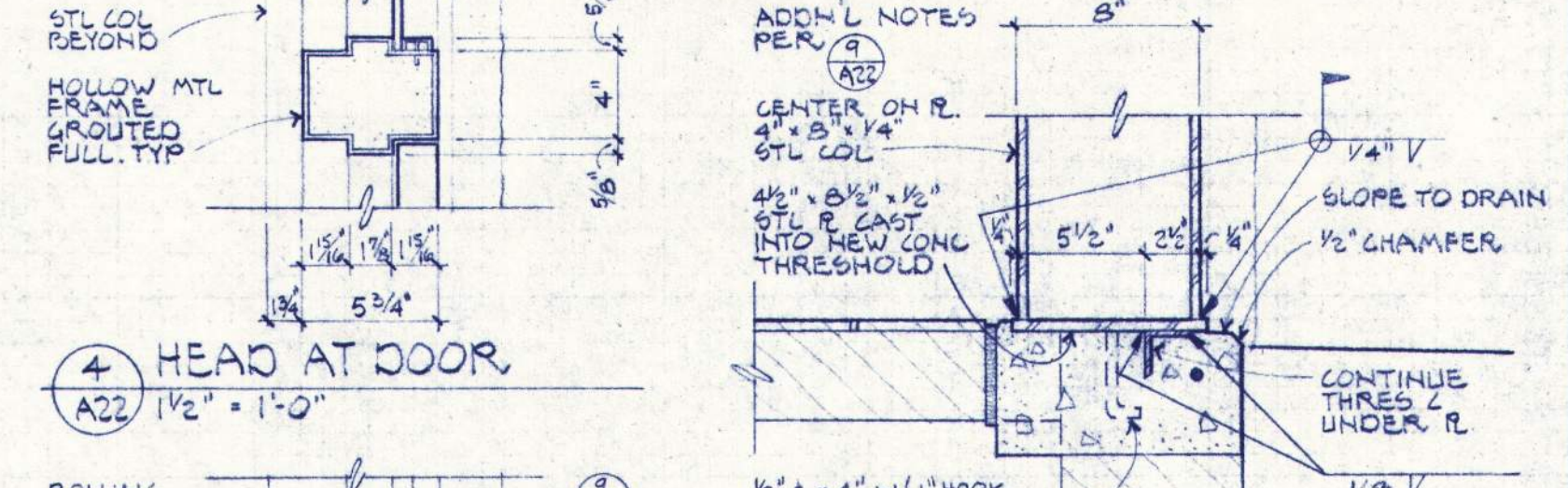
6 JAMB AT COLUMN
A22 1/2" x 1'-0"



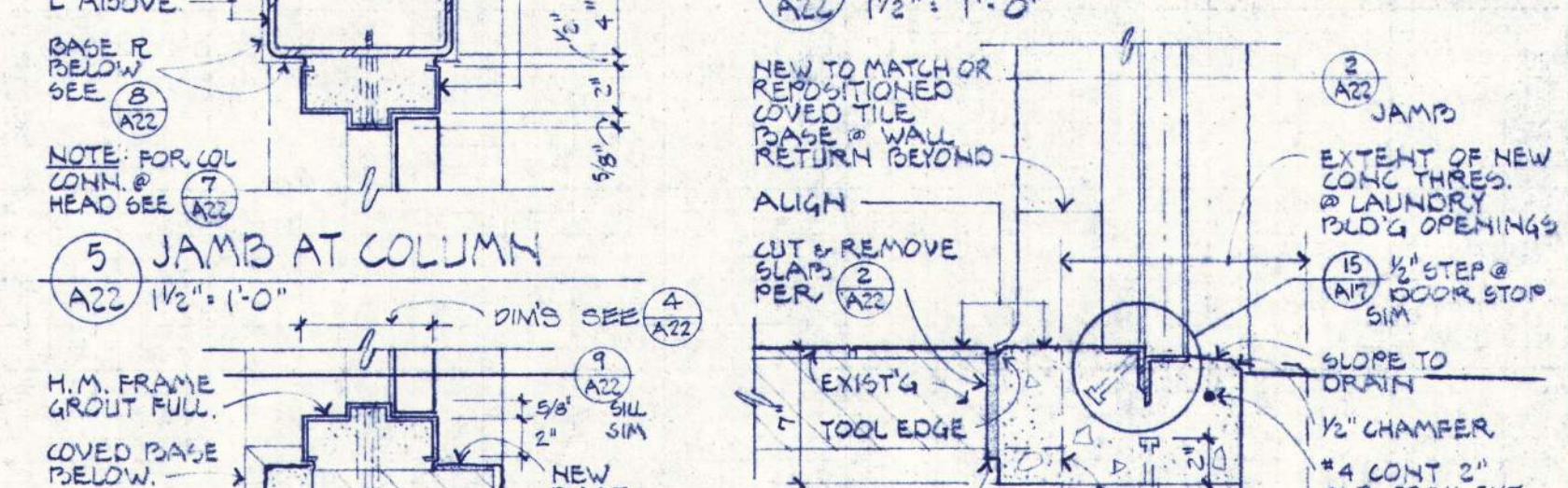
7 JAMB @ EXIST'G WALL
A22 1/2" x 1'-0"



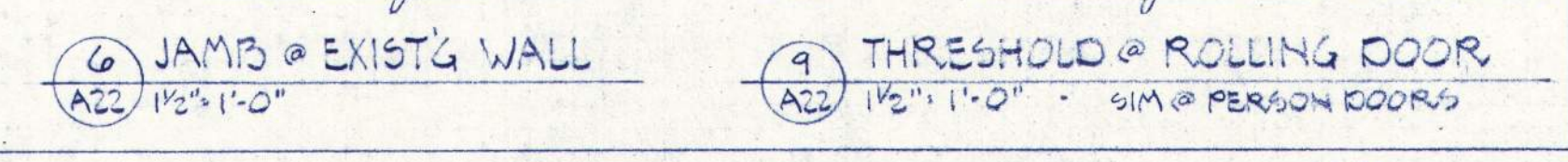
8 HEAD @ STL COLUMN
A22 1/2" x 1'-0"



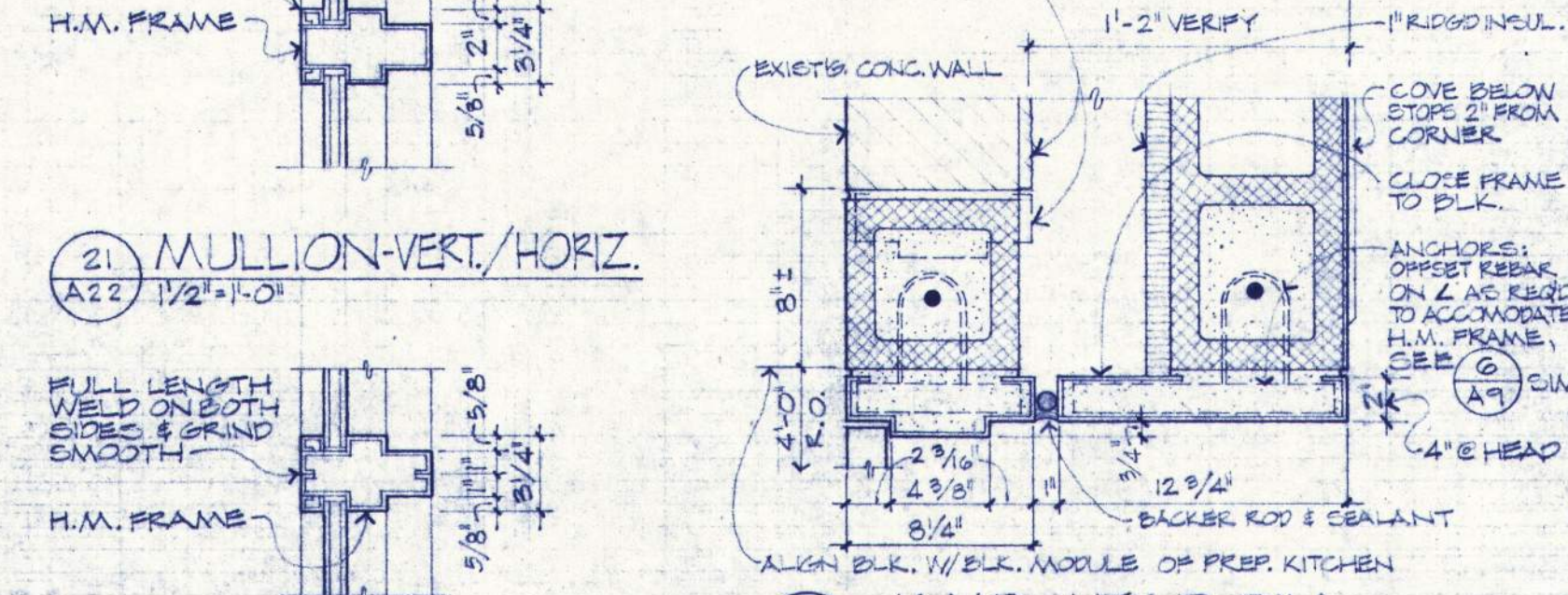
9 HEAD @ DOOR
A22 1/2" x 1'-0"



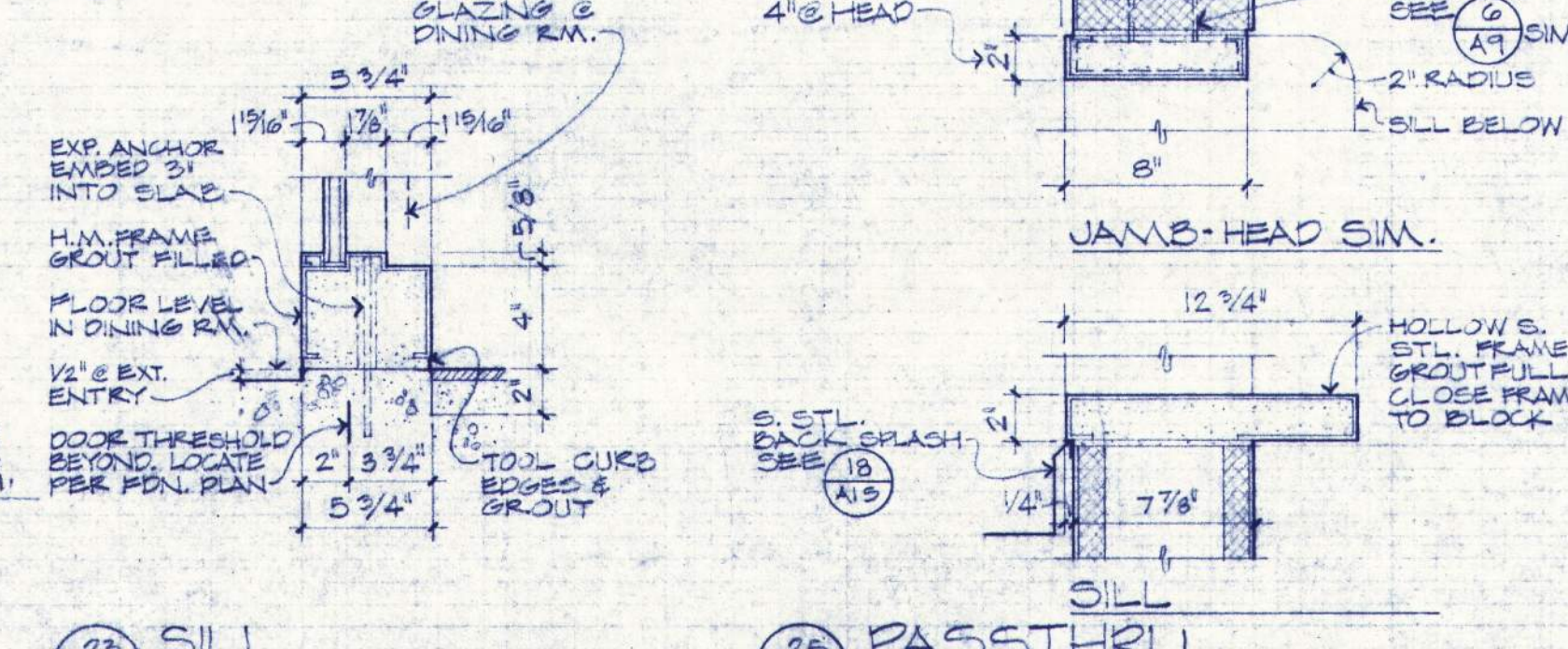
10 JAMB @ STL COLUMN
A22 1/2" x 1'-0"



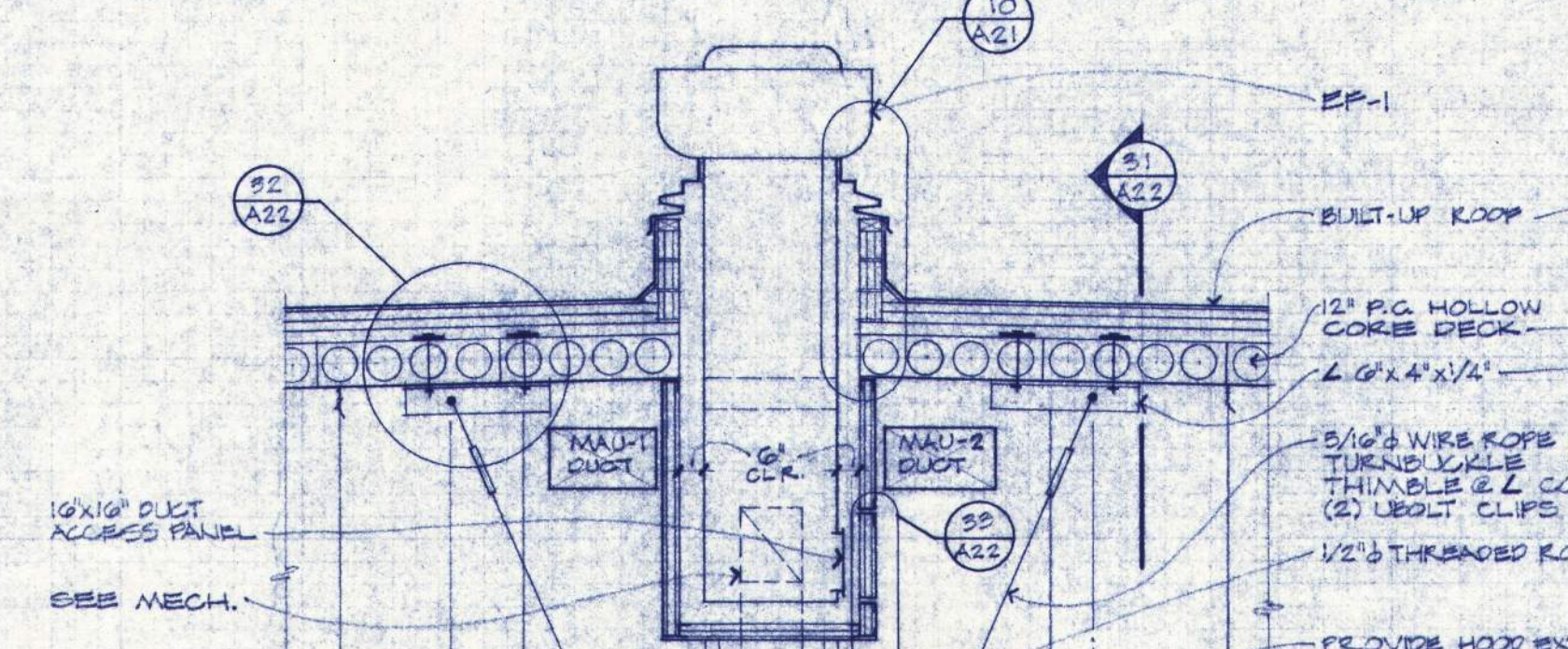
11 JAMB @ EXIST'G WALL
A22 1/2" x 1'-0"



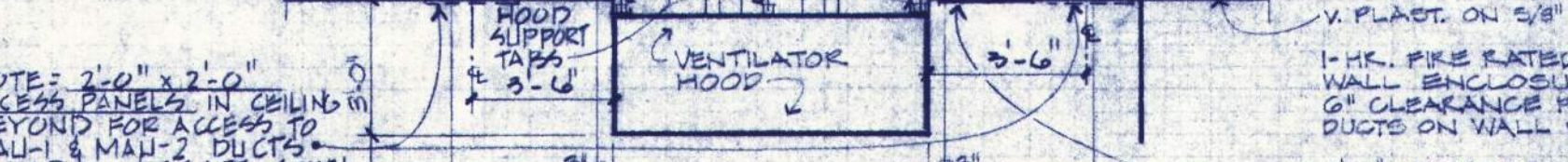
12 THRESHOLD @ ROLLING DOOR
A22 1/2" x 1'-0"



13 THRESHOLD @ ROLLING DOOR
A22 1/2" x 1'-0"



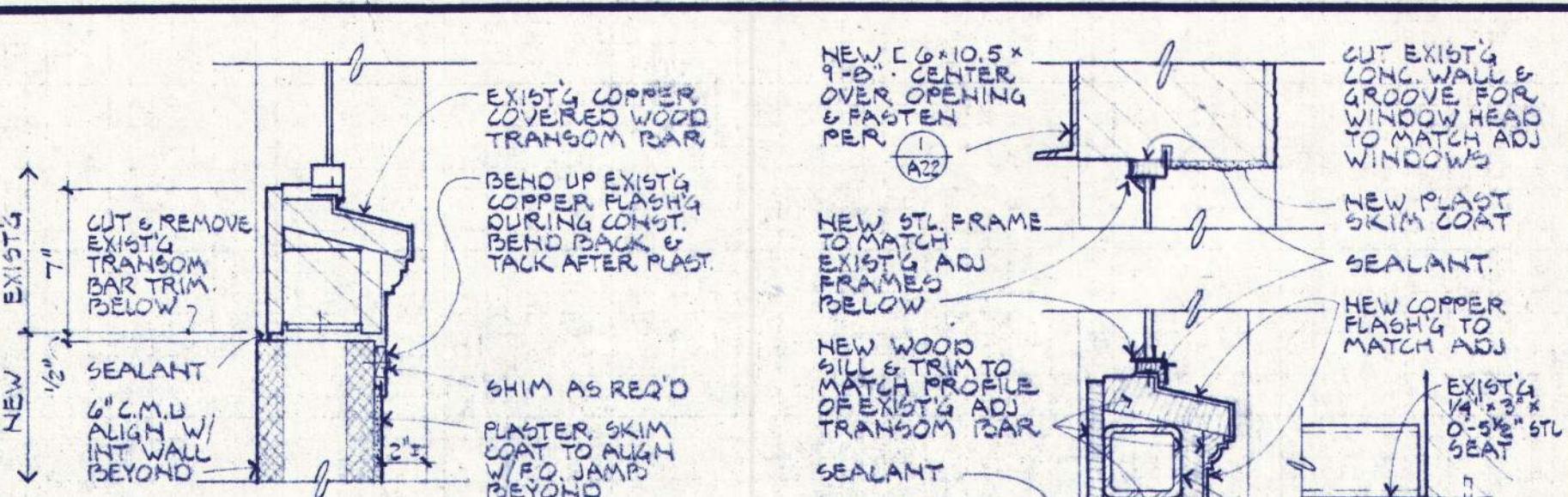
14 JAMB AT C.M.U.
A22 1/2" x 1'-0"



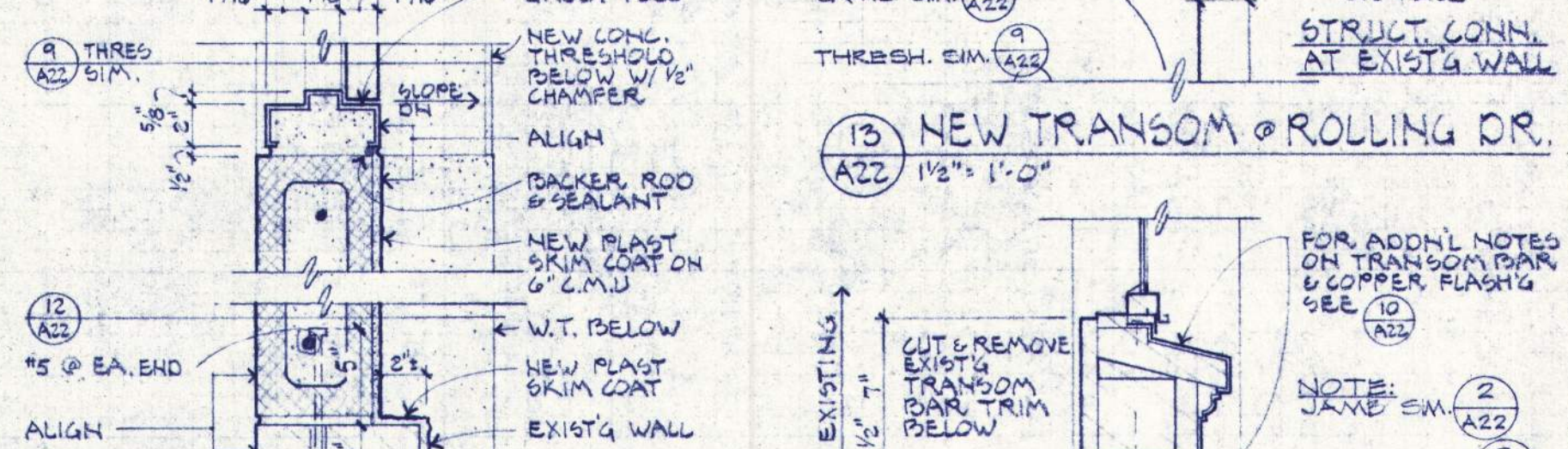
15 JAMB AT C.M.U.
A22 1/2" x 1'-0"



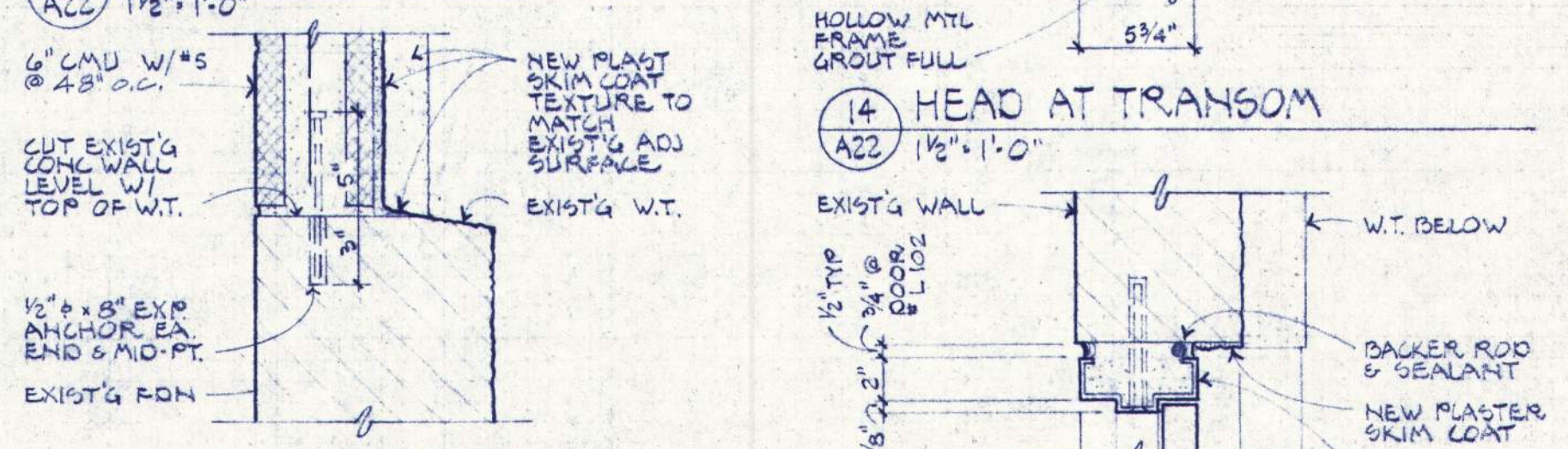
16 JAMB AT C.M.U.
A22 1/2" x 1'-0"



17 JAMB AT C.M.U.
A22 1/2" x 1'-0"



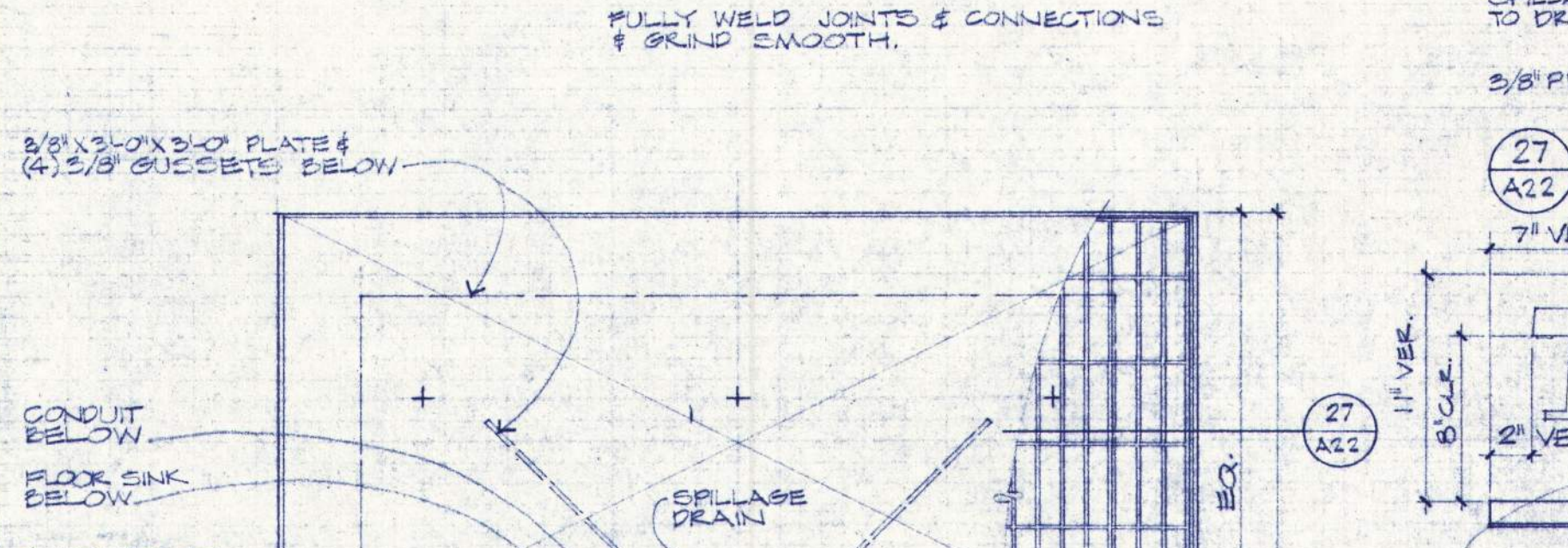
18 JAMB AT C.M.U.
A22 1/2" x 1'-0"



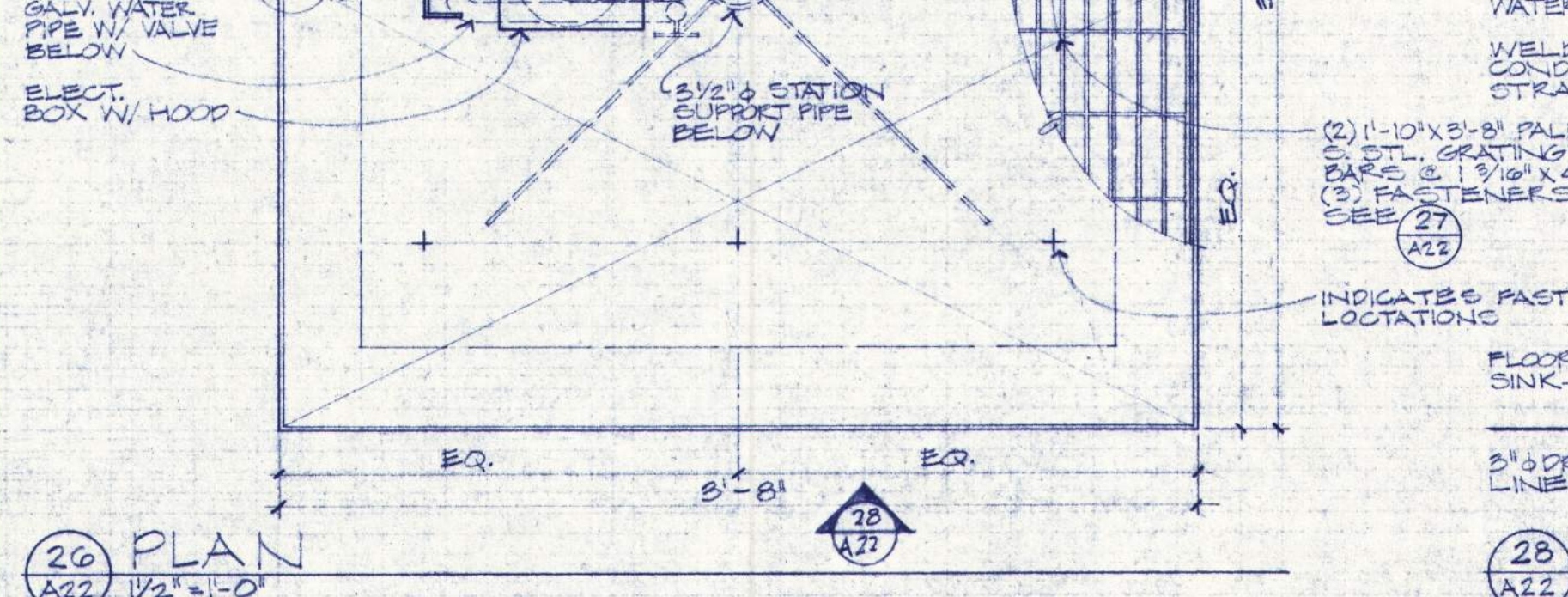
19 JAMB AT C.M.U.
A22 1/2" x 1'-0"



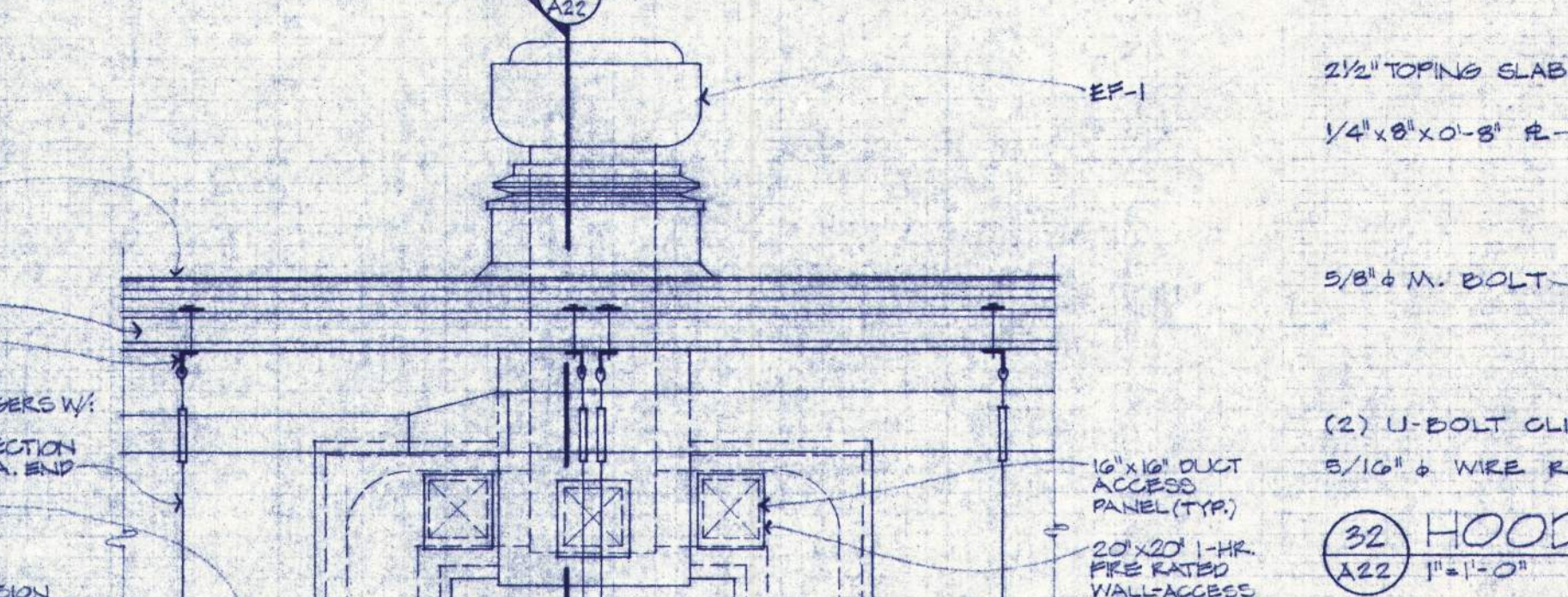
20 JAMB AT C.M.U.
A22 1/2" x 1'-0"



21 JAMB AT C.M.U.
A22 1/2" x 1'-0"



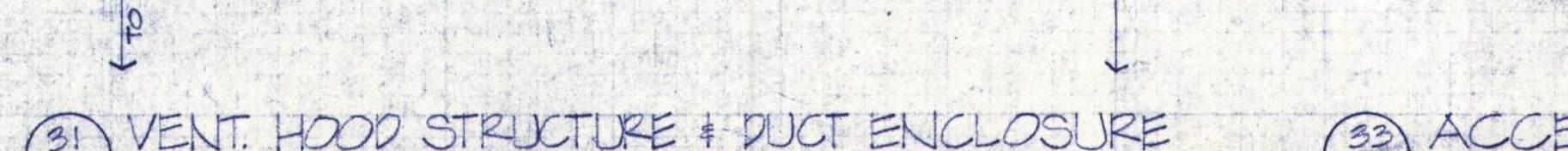
22 JAMB AT C.M.U.
A22 1/2" x 1'-0"



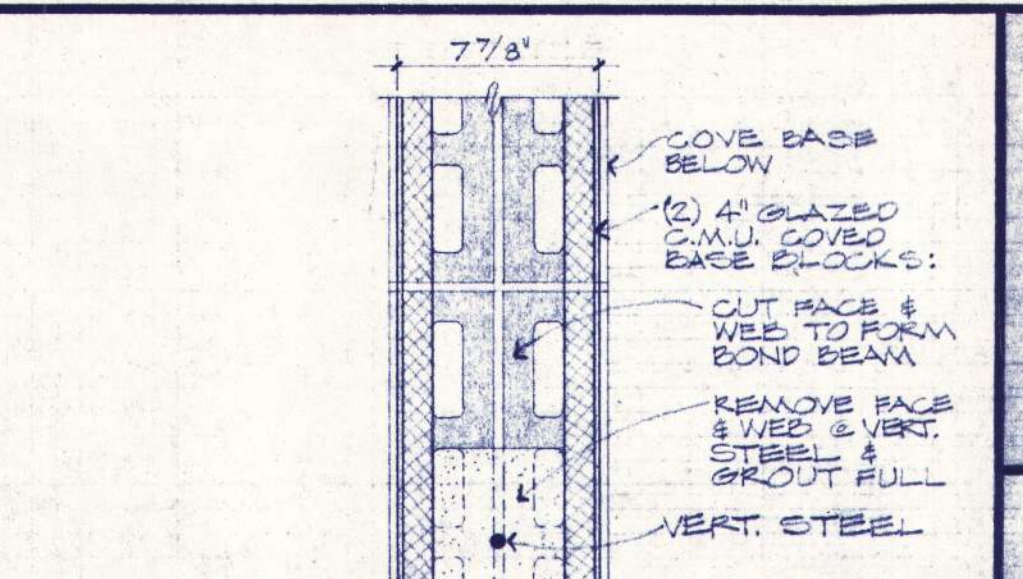
23 JAMB AT C.M.U.
A22 1/2" x 1'-0"



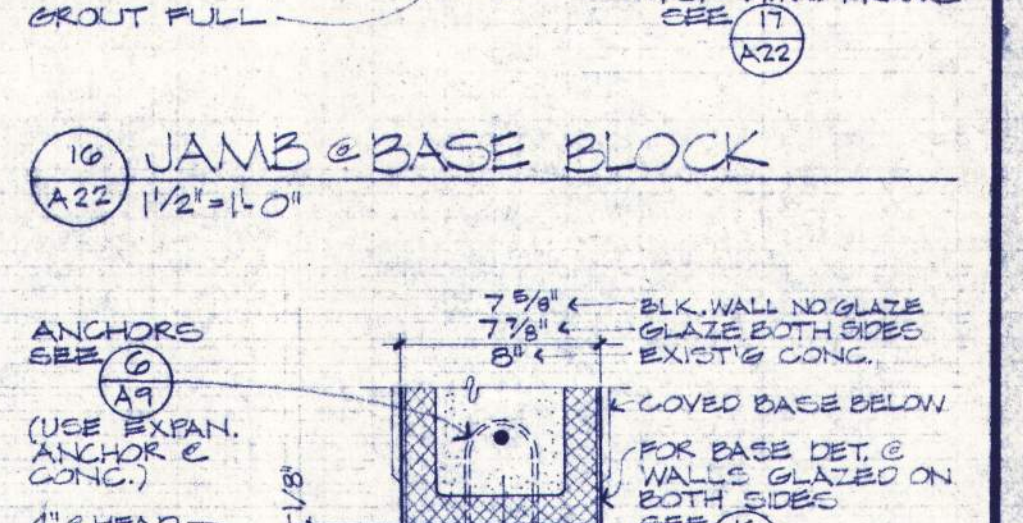
24 JAMB AT C.M.U.
A22 1/2" x 1'-0"



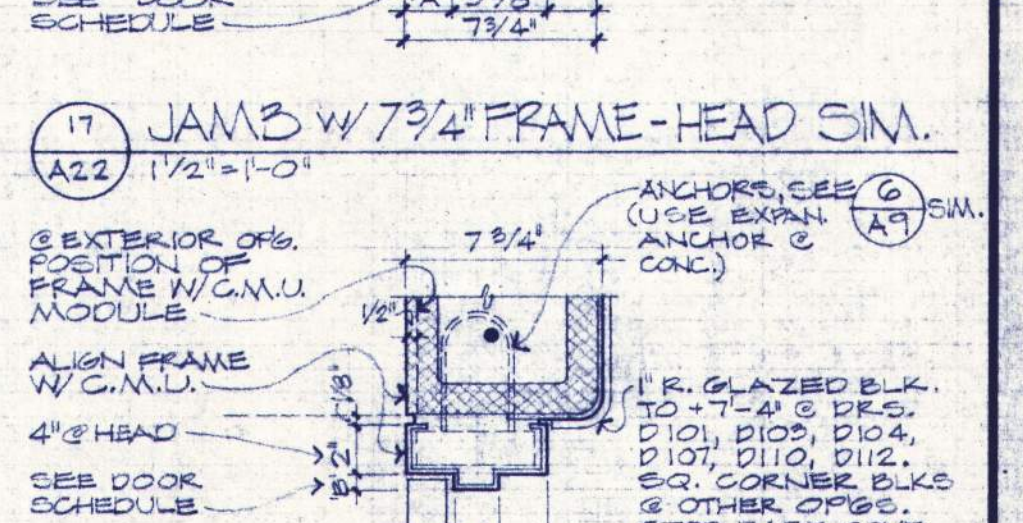
25 JAMB AT C.M.U.
A22 1/2" x 1'-0"



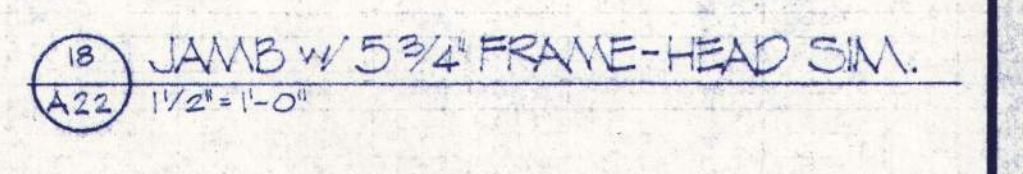
26 JAMB AT C.M.U.
A22 1/2" x 1'-0"



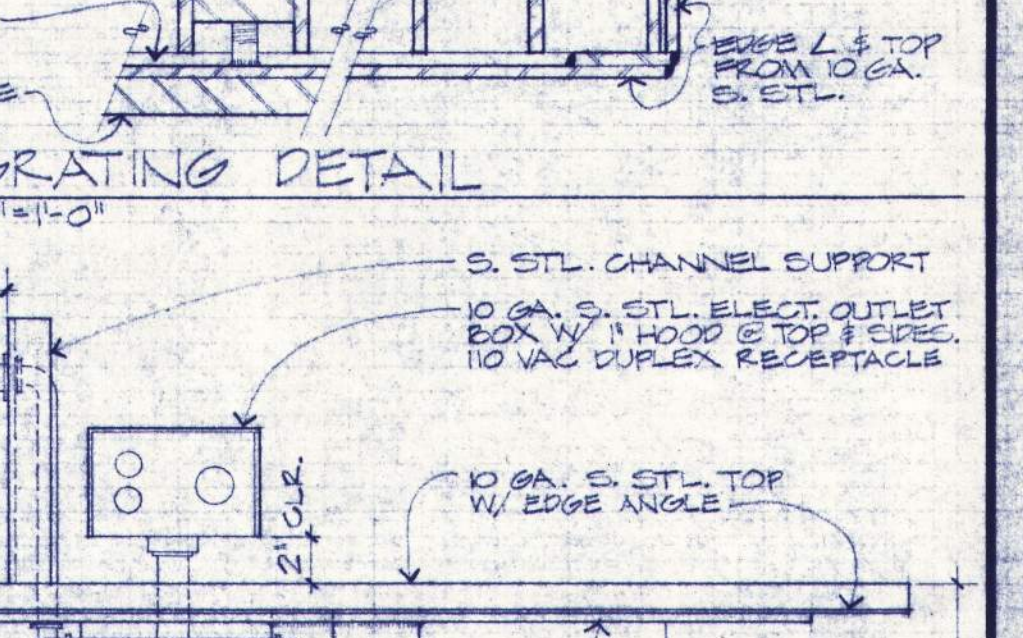
27 JAMB AT C.M.U.
A22 1/2" x 1'-0"



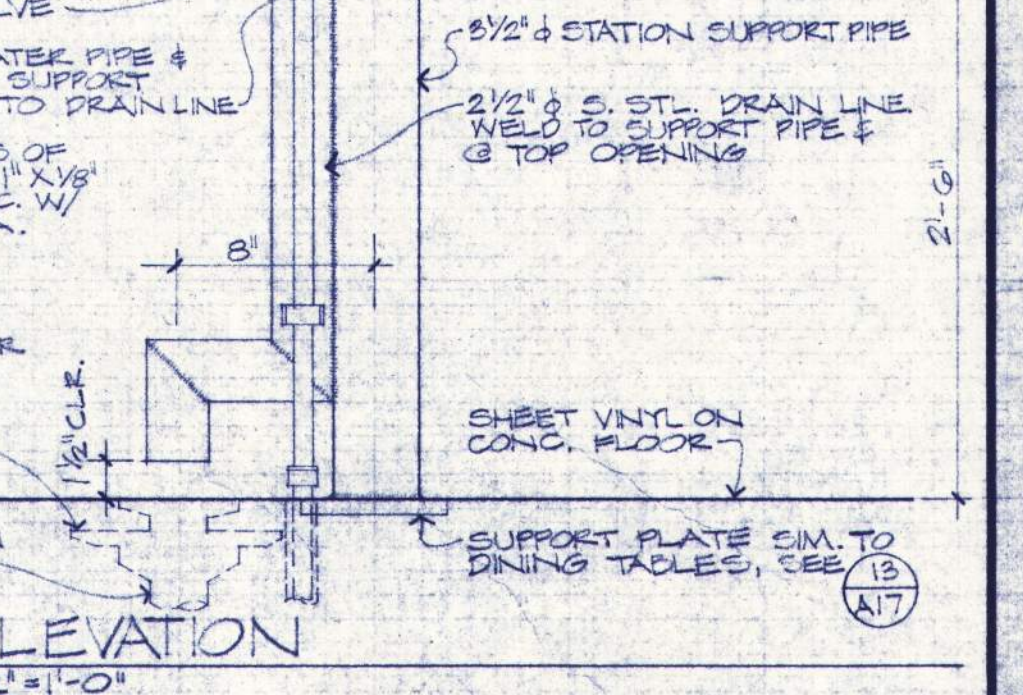
28 JAMB AT C.M.U.
A22 1/2" x 1'-0"



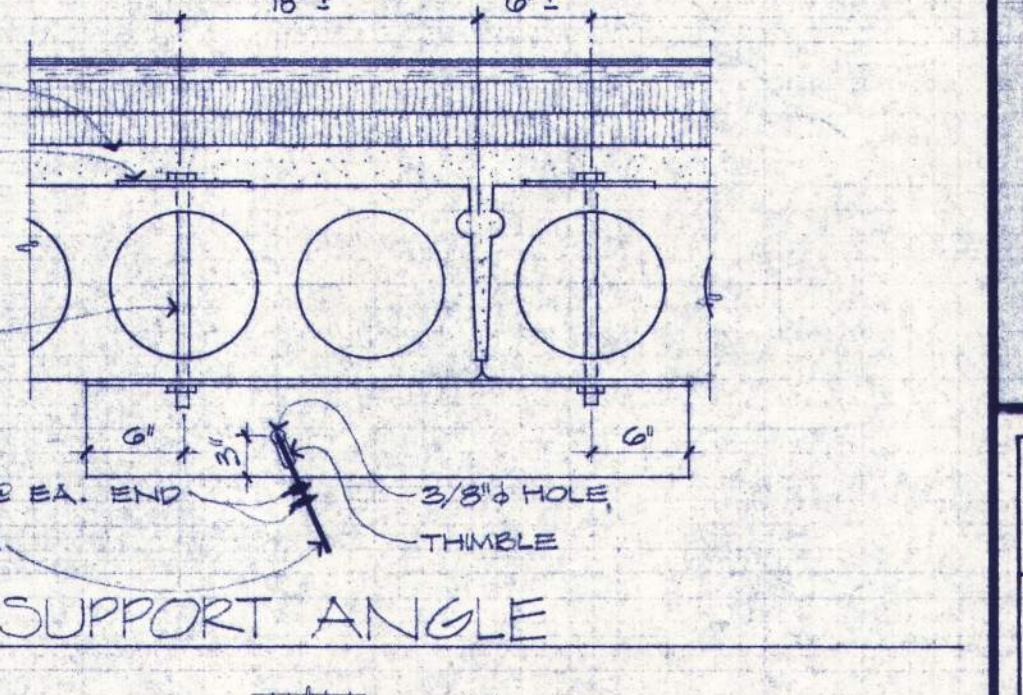
29 JAMB AT C.M.U.
A22 1/2" x 1'-0"



30 JAMB AT C.M.U.
A22 1/2" x 1'-0"



31 JAMB AT C.M.U.
A22 1/2" x 1'-0"



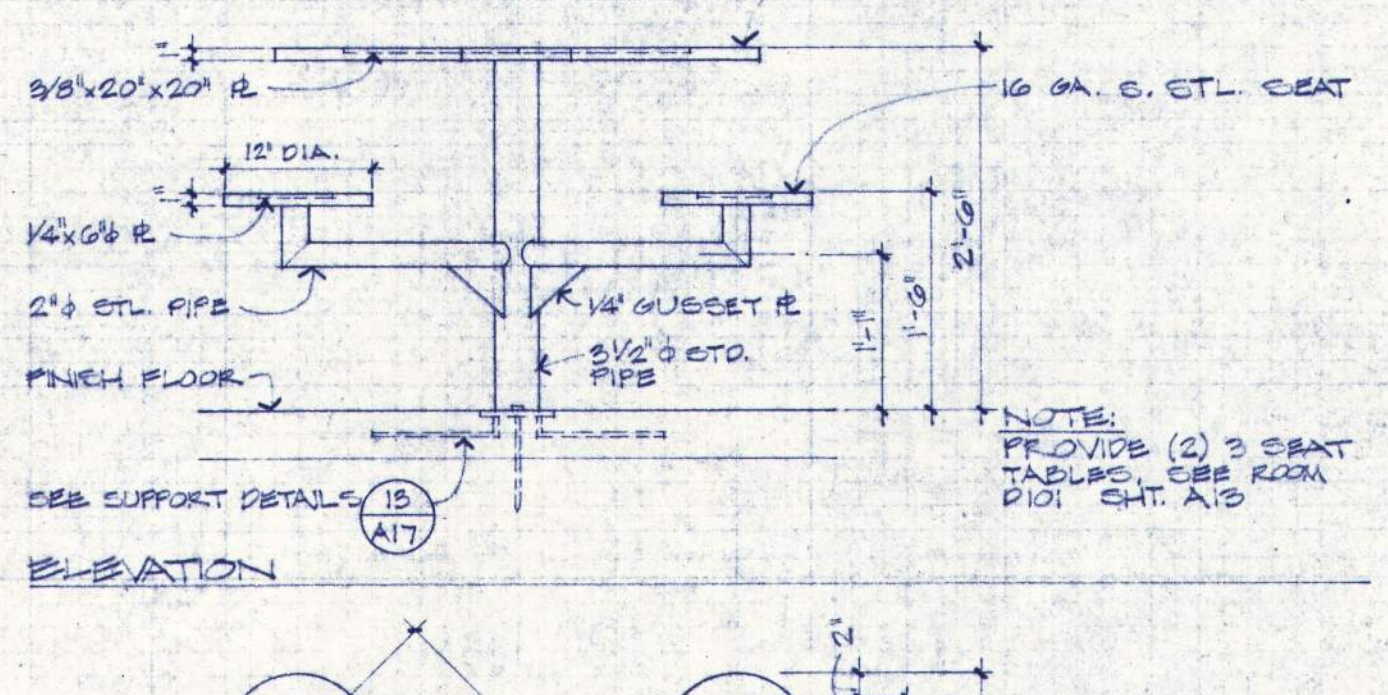
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A22 1/2" x 1'-0"



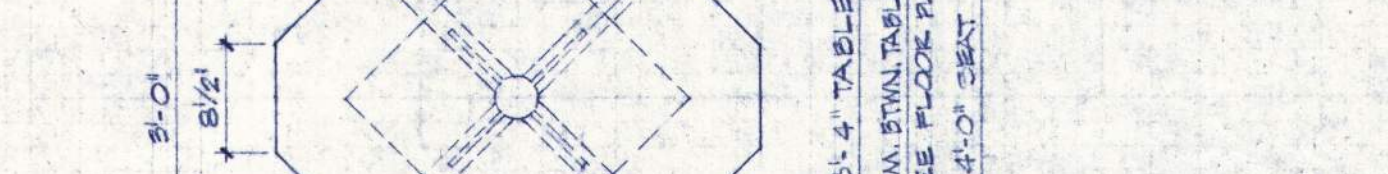
33 JAMB AT C.M.U.
A22 1/2" x 1'-0"



34 JAMB AT C.M.U.
A22 1/2" x 1'-0"



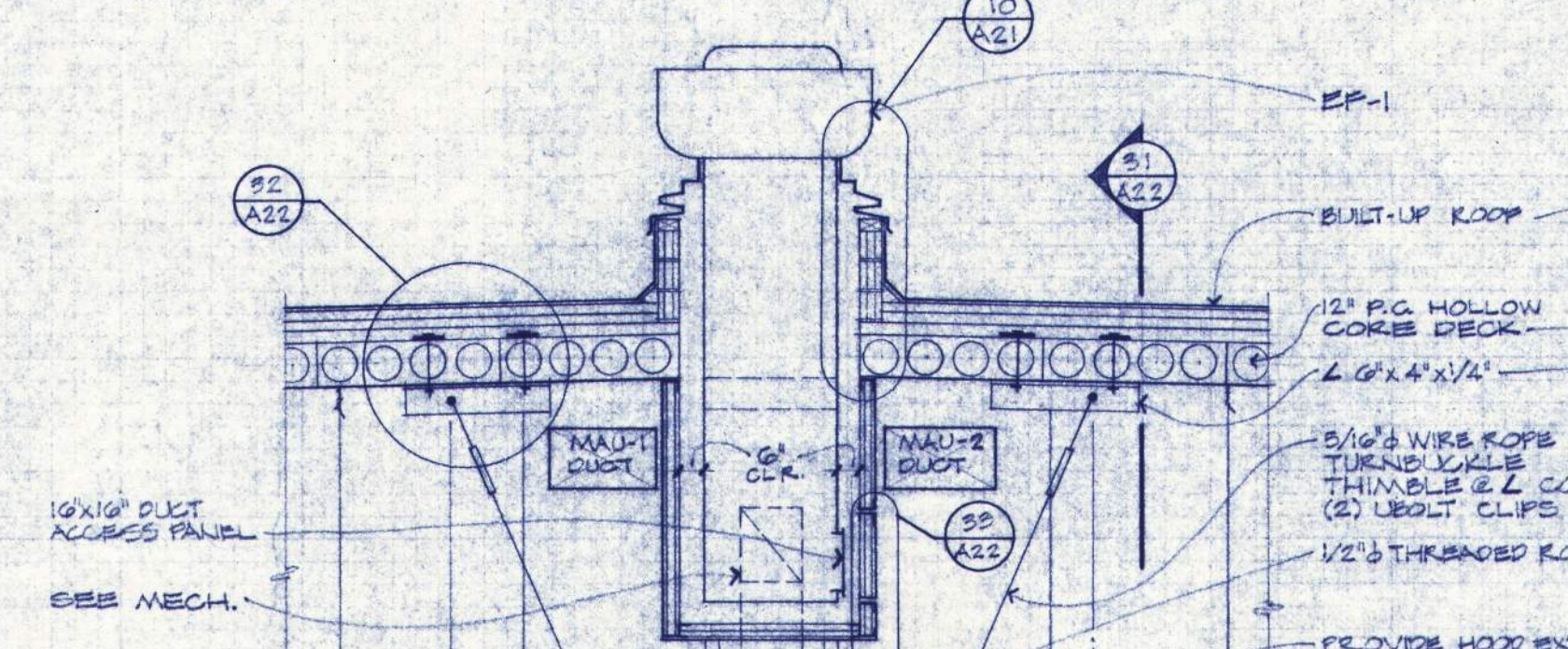
19 TYPICAL SILL
A22 1/2" x 1'-0"



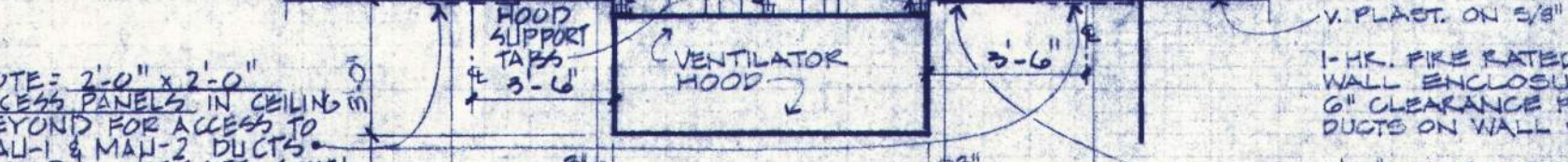
20 TYPICAL SILL
A22 1/2" x 1'-0"



21 TYPICAL SILL
A22 1/2" x 1'-0"



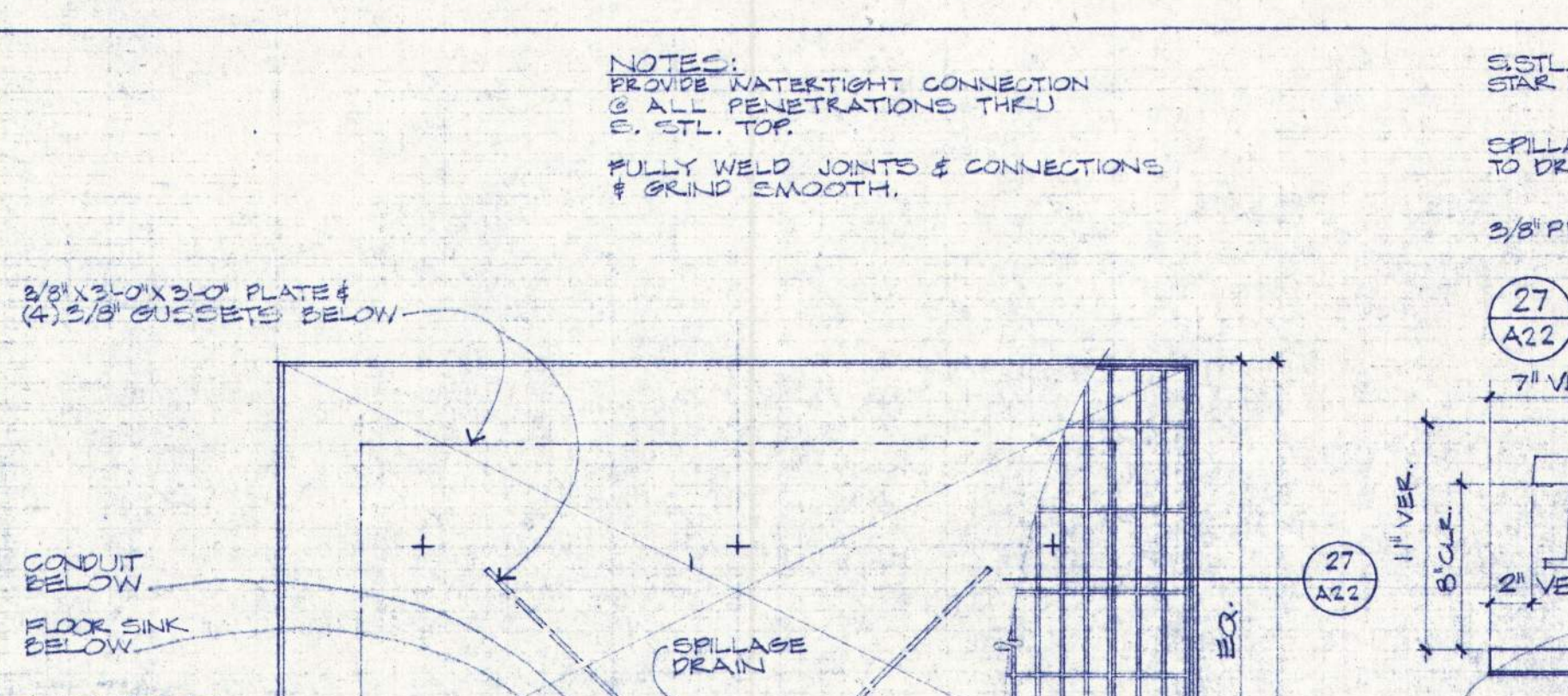
21 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



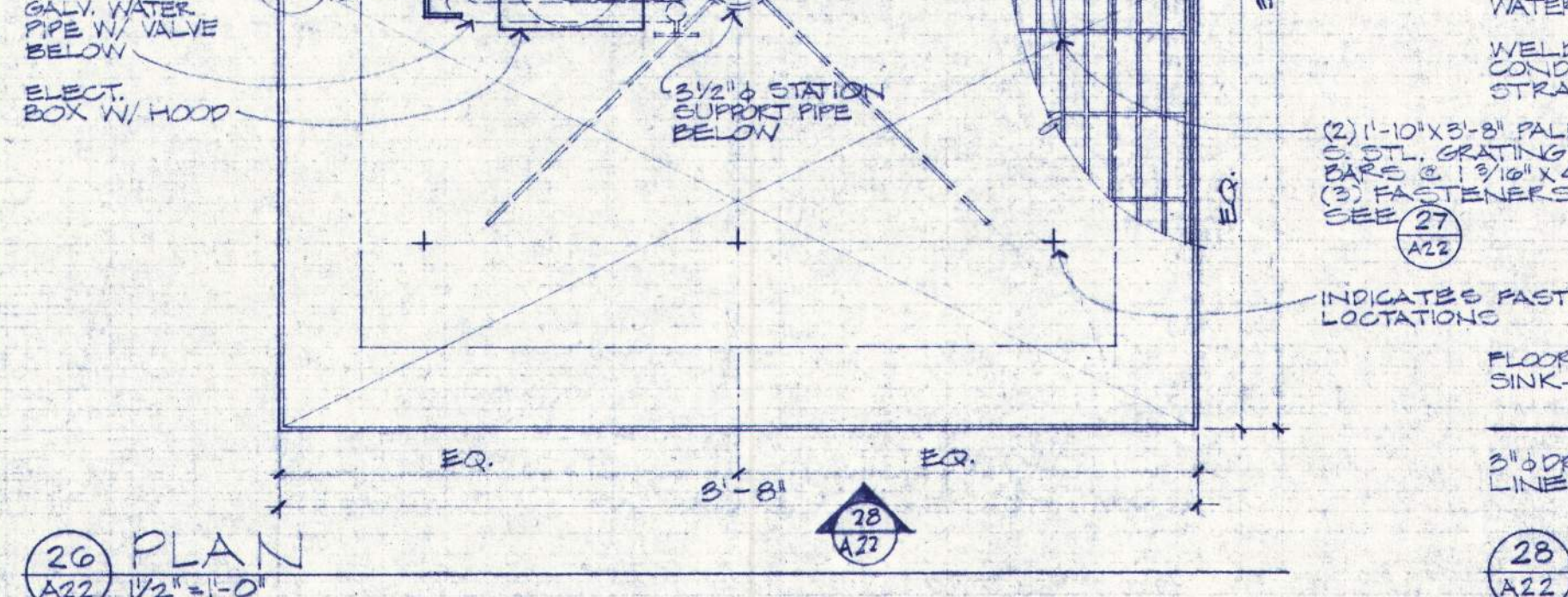
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A22 1/2" x 1'-0"



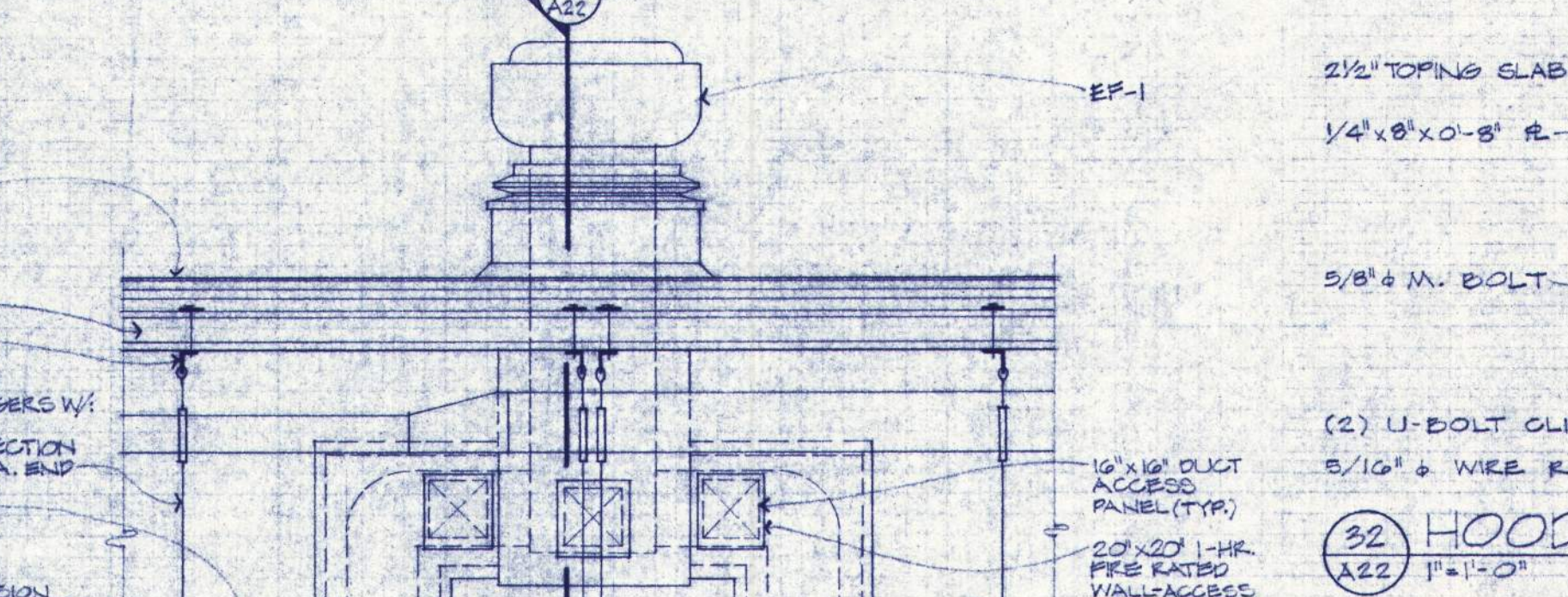
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A22 1/2" x 1'-0"



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A22 1/2" x 1'-0"



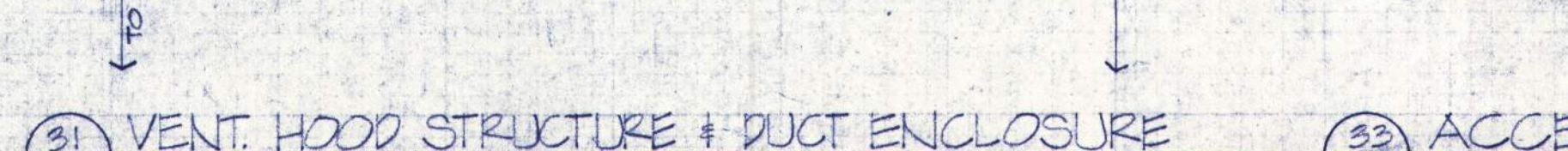
25 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



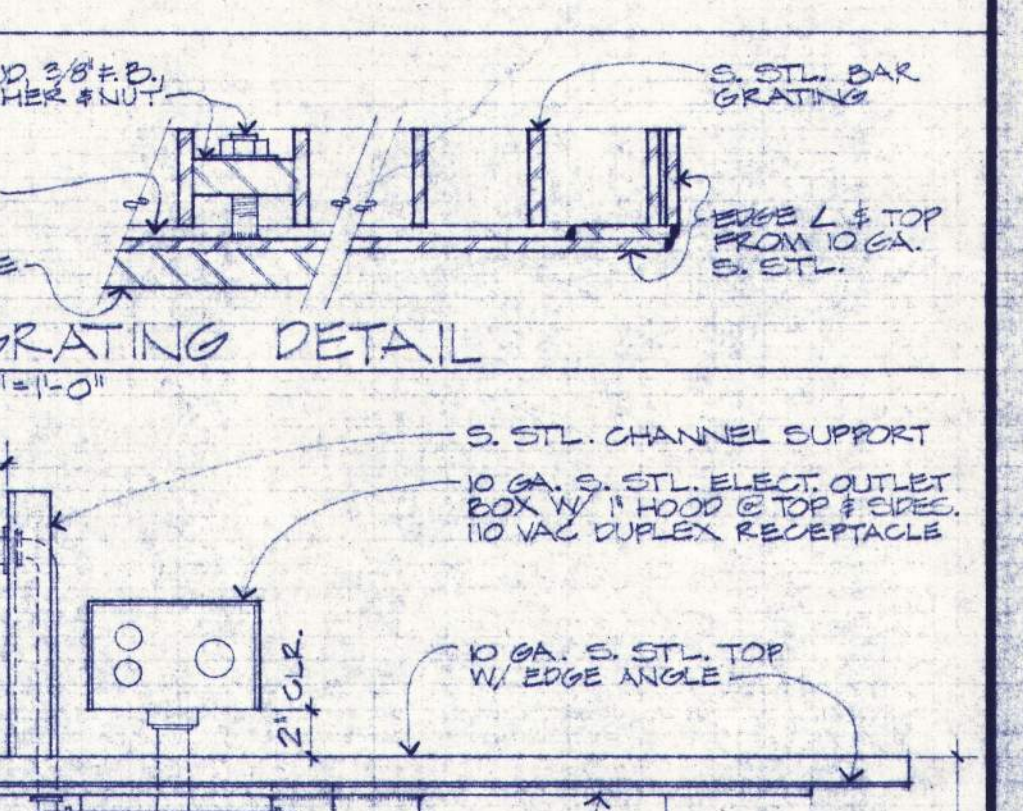
26 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



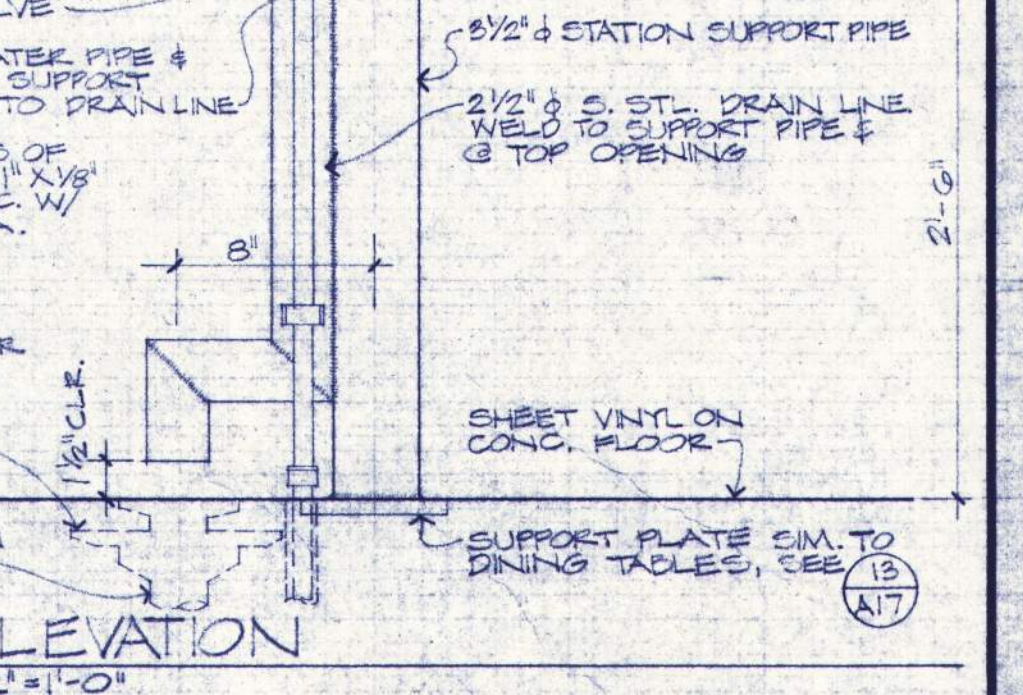
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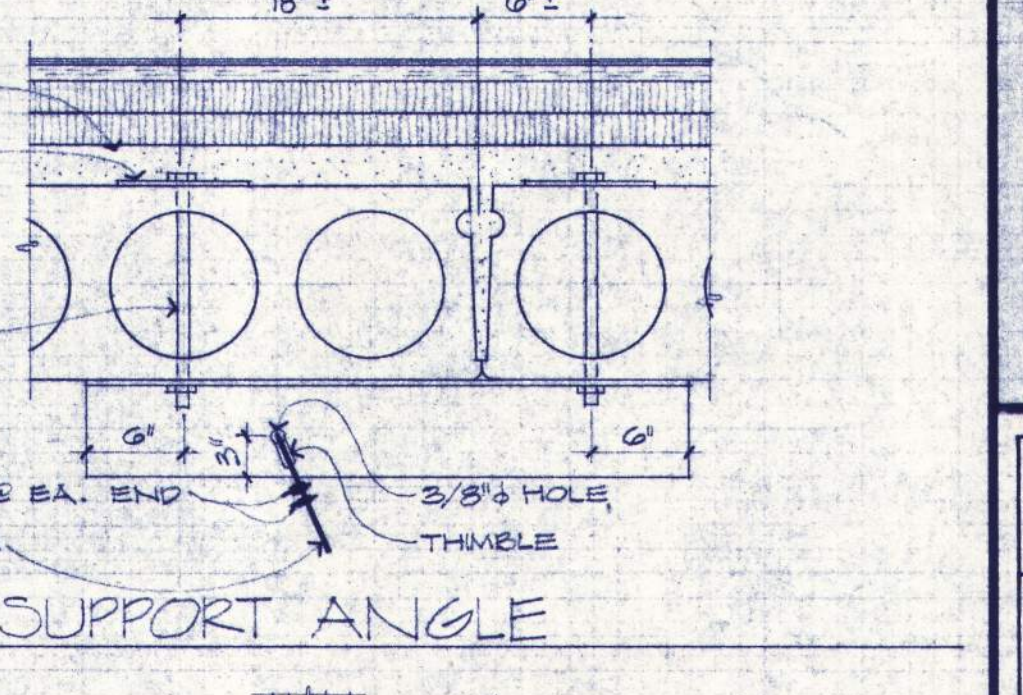
28 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



29 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



30 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



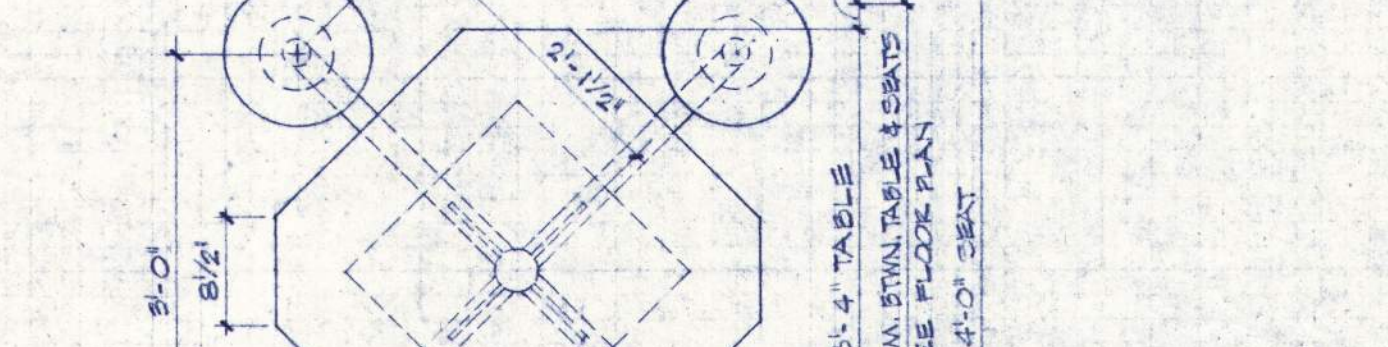
31 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



32 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



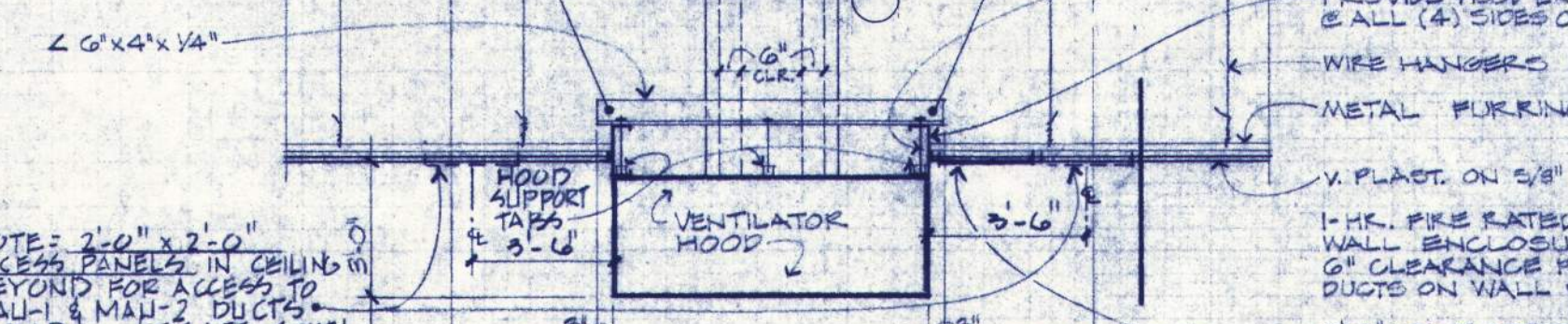
33 MULLION-VERT./HORIZ.
A22 1/2" x 1'-0"



29 DINING TABLE (F.B.O.)
A22 3/4" x 1'-0"



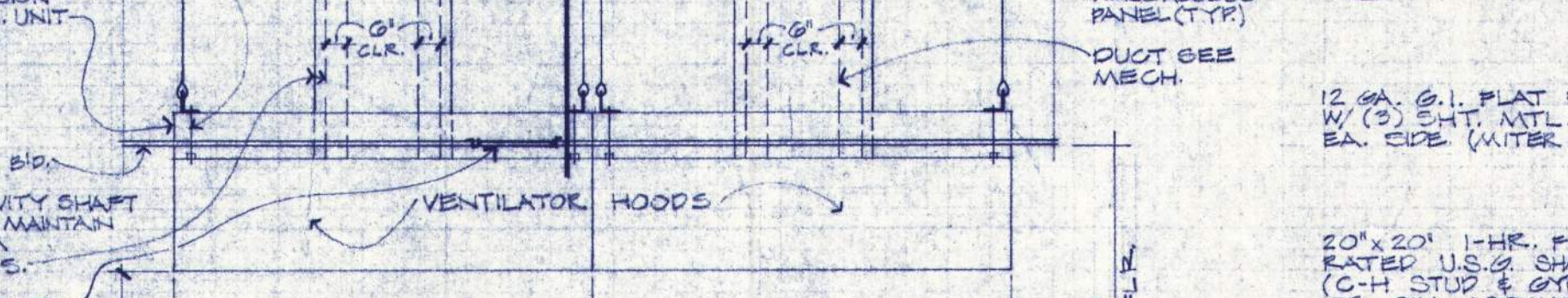
30 DINING TABLE (F.B.O.)
A22 3/4" x 1'-0"



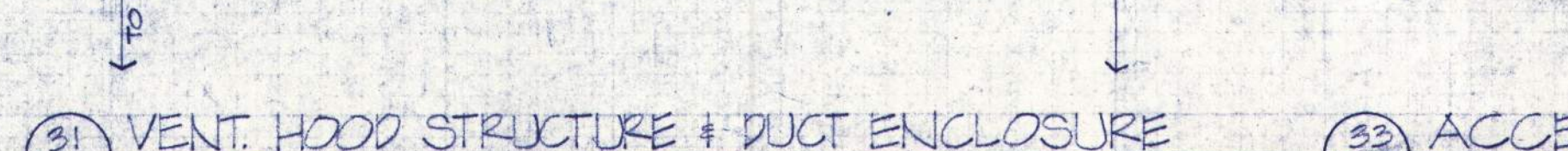
30 VENT. HOOD STRUCTURE & DUCT ENCLOSURE
A22 1/4" x 1'-0"



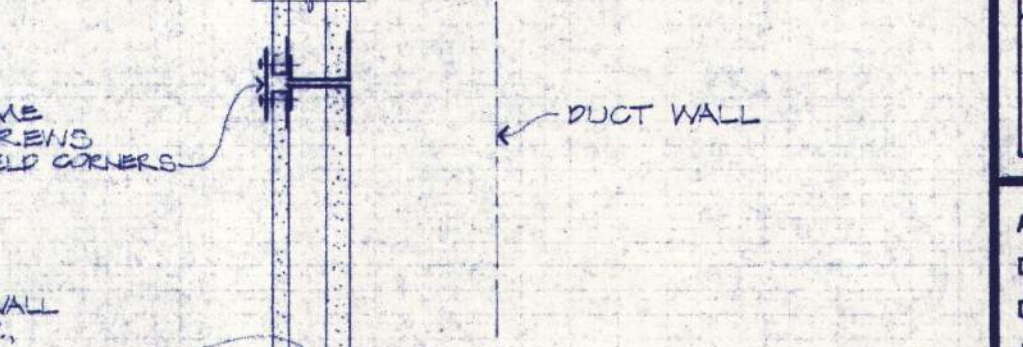
31 VENT. HOOD STRUCTURE & DUCT ENCLOSURE
A22 1/4" x 1'-0"



32 VENT. HOOD STRUCTURE & DUCT ENCLOSURE
A22 1/4" x 1'-0"



33 VENT. HOOD STRUCTURE & DUCT ENCLOSURE
A22 1/4" x 1'-0"



32 ACCESS PANEL
A22 1/2" x 1'-0"



33 ACCESS PANEL
A22 1/2" x 1'-0"

REGISTERED ARCHITECT • NORTON ID STATE

BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
910 MARSHALL STREET EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
187 104 STREET EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
8190 S. LAUREL LAKE PORTLAND, OREGON 97225

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6

WEGROUP pc / ARCHITECTS & PLANNERS

OREGON STATE CORRECTIONS DIVISION
PENDLETON, OREGON

125 S. W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3240

APPROVED
DRAWN D.G. x
DATE 2/10/88
JOB 801.6

A 22



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
410 HURLEY STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
107 1/2nd STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
840 S. W. LAUREL LANE, PORTLAND, OREGON 97223

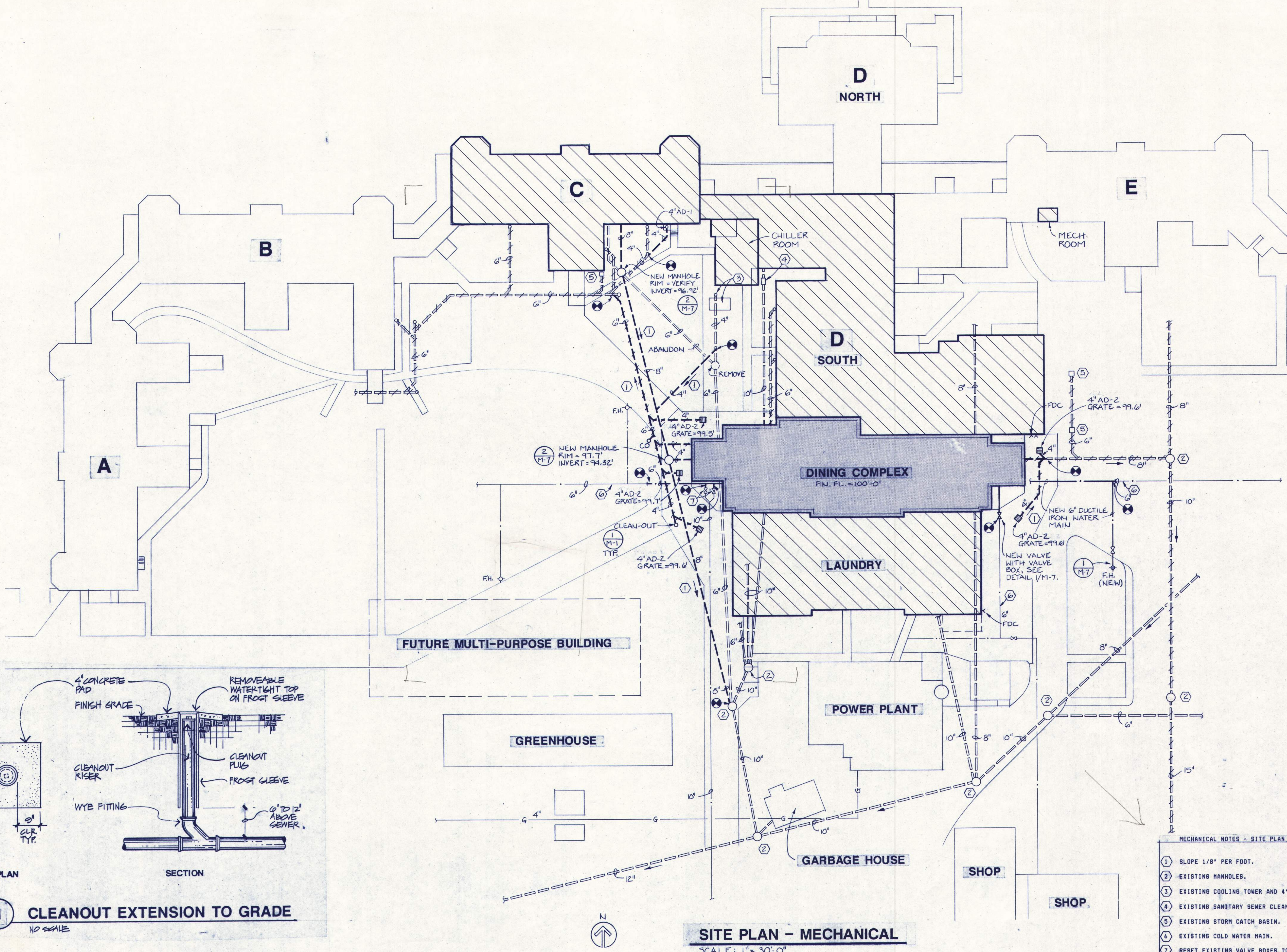
EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

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DRAWN
DATE 2/10/88
JOB 801.6

M1



- MECHANICAL NOTES - SITE PLAN**
- 1 SLOPE 1/8" PER FOOT.
 - 2 EXISTING MANHOLES.
 - 3 EXISTING COOLING TOWER AND 4" DRAIN.
 - 4 EXISTING SANITARY SEWER CLEAN-OUT PIT.
 - 5 EXISTING STORM CATCH BASIN.
 - 6 EXISTING COLD WATER MAIN.
 - 7 RESET EXISTING VALVE BOXES TO NEW GRADE ELEVATIONS.

SITE PLAN - MECHANICAL
SCALE: 1" = 30'-0"

SYMBOLS

SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
—	CW	COLD WATER PIPE	—	A	COMPRESSED AIR PIPE	—	HY	WALL HYDRANT	—	RAV	AUTOMATIC AIR VENT	—	RA	RETURN AIR	—	EA	EXHAUST AIR
—	HW	HOT WATER PIPE	—	S	WET SYSTEM SPRINKLER PIPE	—	FD,FS	FLOOR DRAIN/FLOOR SINK	—	FCV	FLOW CONTROL VALVE	—	EA	EXHAUST AIR	—	SDC	SUPPLY DIFFUSER CEILING
—	T(120)	TEMPERED WATER PIPE (DEGREES F)	—	DS	DRY SYSTEM SPRINKLER PIPE	—	TH	THERMOMETER	—	WH	WATER HEATER	—	SNW	SUPPLY REGISTER WALL	—	SDW	SUPPLY GRILLE WALL
—	T(140)	TEMPERED WATER PIPE (DEGREES F)	—	PH	FIRE HYDRANT	—	PRV	PRESSURE REDUCING VALVE	—	CI	CAST IRON	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	T(180)	TEMPERED WATER PIPE (DEGREES F)	—	FD	FIRE DEPARTMENT CONNECTION	—	BA	BALANCING VALVE WITH GAUGE PORTS	—	CP	CIRCULATING PUMP	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	HWR	HOT WATER RECIRCULATION PIPE	—	DIR	DIRECTION OF FLOW	—	BC	BAUCING COCK	—	FCU-1A	FAN COIL UNIT	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	HP	HIGH PRESSURE COLD WATER	—	SLO	SLOPE	—	GC	GAUGE COCK	—	TH	THERMOSTAT WITH ZONE/UNIT CONTROLLED	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	W	SANITARY WASTE PIPE	—	VTR	VENT THROUGH ROOF	—	GS	GAS SWITCH	—	TH	THERMOSTAT WITH GUARD	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	V	VENT PIPE	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	GV	GATE VALVE	—	DI	DUCT IONIZATION DETECTOR	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	EXISTING WASTE PIPE TO REMAIN		—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	EXISTING WASTE PIPE TO BE REMOVED		—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	EXISTING STORM DRAIN PIPE TO REMAIN		—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	EXISTING STORM DRAIN TO BE REMOVED		—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	CHS	CHILLED WATER SUPPLY PIPE	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	CHR	CHILLED WATER RETURN PIPE	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	C	CONDENSATE DRAIN PIPE	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	SH	STEAM HIGH PRESSURE PIPE (40 PSIG)	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	SL	STEAM LOW PRESSURE PIPE (15 PSIG)	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	CH	CONDENSATE HIGH PRESSURE PIPE (40 PSIG)	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	CL	CONDENSATE LOW PRESSURE PIPE (15 PSIG)	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	PC	PUMPED CONDENSATE PIPE	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING
—	G	GAS PIPE	—	CD	CLEANOUT: WALL, FLOOR, OR CEILING	—	CV	CHECK VALVE	—	DL	DOUBLE LINE DUCT WITH SOUND ATTENUATING LINER	—	RCW	RETURN REGISTER WALL	—	RCW	RETURN REGISTER CEILING

SHEET INDEX

SHEET	DESCRIPTION
M1	SITE PLAN AND LEGEND
M2	EQUIPMENT SCHEDULES
M3	C-UNIT DEMOLITION AND PLUMBING FIXTURE SCHEDULE
M4	C1, C2, C3 FLOOR PLANS - HVAC
M5	C4 FLOOR PLAN - HVAC AND PARTIAL SECTIONS
M6	C5 ATTIC PLANS - HVAC AND PARTIAL SECTIONS
M7	C-UNIT FOUNDATION PLAN AND DETAILS - PLUMBING
M8	C1, C2, C3, C4 FLOOR PLANS - PLUMBING
M9	C-UNIT MECHANICAL ROOMS AND DETAILS
M10	CAFETERIA SITE AND D-UNIT DEMOLITION
M11	CAFETERIA FLOOR PLAN - HVAC
M12	CAFETERIA FOUNDATION PLAN AND DETAILS - PLUMBING
M13	CAFETERIA AND D-UNIT FLOOR PLANS - PLUMBING
M14	CAFETERIA ROOF PLAN, SCULLERY PLAN AND DETAILS
M15	CAFETERIA SECTIONS AND DETAILS - HVAC
M16	POWER PLANT AND LAUNDRY - HVAC AND PIPING
M17	D-UNIT MECHANICAL ROOM AND PIPING SCHEMATIC
M18	C-UNIT SECTIONS - HVAC
M19	HVAC DETAILS
M20	HVAC PIPING DIAGRAMS AND PARTIAL SECTION
M21	PIPING DETAILS
M22	E, F, AND G-UNITS - PLUMBING

HVAC EQUIPMENT SCHEDULE												
UNIT	LOCATION	AREA SERVED	MFR AND MODEL NO.	CFM	T.S.A. IN. WG	FAN TYPE	FAN RPM	HP	VOLTS/PHASE	MIN OSA (%)	APPROX. UNIT WEIGHT LBS.	NATURAL GAS BTU INPUT
AHU-1C	ATTIC	1ST FLOOR NORTH CELLS	PACE A-1281 NOTE ①	3,535	2 1/2	FC	1314	5	208/3	25	1,100	--
AHU-2C	ATTIC	1ST FLOOR SOUTH CELLS	PACE A-1181 NOTE ①	3,170	2 1/2	FC	1480	3	208/3	25	1,100	--
AHU-3C	ATTIC	2ND, 3RD & 4TH FLOORS NORTH ZONES	PACE A-2481 NOTE ①	13,350 NOTE ②	2 1/2	AF	1226	10	208/3	20 NOTE ③	2,900	--
AHU-4C	ATTIC	2ND, 3RD & 4TH FLOORS SOUTH ZONES	PACE A-2481 NOTE ②	12,050 NOTE ②	2 1/2	AF	1185	10	208/3	15 NOTE ③	2,900	--
AHU-5C	ATTIC	1ST, 2ND, 3RD & 4TH FLOORS NORTH ZONES	PACE A-951	1,600	1 3/4	FC	1401	1	208/3	100	380	--
FCU-1C	1ST FLOOR	DAYROOM	PACE SCF-114B	1,600	1 1/2	FC	1199	1 1/2	208/3	100 NOTE ④	380/	--
SRU-1C	1ST FLOOR	DAYROOM	SMOKELETS MODEL LB	1,200	--	FC					150	--
ACU-1D	ROOF	WEST CAFETERIA	TRANE SFHC-C30	10,000		FC	745	7 1/2	208/3	25	6,050	500,000
						FC	767	5	208/3			
ACU-2D	ROOF	EAST CAFETERIA	TRANE SFHC-C25	10,000		FC	745	7 1/2	208/3	25	5,250	500,000
						FC	767	5	208/3			
ACU-3D	ELEC. ROOM	ELECTRICAL ROOM	TRANE BWH748A	1,600	1 1/2	FC					200	--
MAU-1D	ROOF	KITCHEN	ESSICK 400L-DF	4,500	1/2	FC	430	1 1/2	208/3	100	1500	750,000
MAU-2D	ROOF	KITCHEN	ESSICK 400L-DF	4,500	1/2	FC	430	1 1/2	208/3	100	1500	750,000

NOTES: ① OPTIONAL WIDE CABINET.
② FUTURE AIR QUANTITY WITH CELLS ON 2ND, 3RD AND 4TH FLOORS = 10,480 CFM.
③ FUTURE AIR QUANTITY WITH CELLS ON 2ND, 3RD AND 4TH FLOORS = 5,170 CFM.
④ FUTURE OUTSIDE AIR QUANTITY WITH CELLS ON 2ND, 3RD AND 4TH FLOORS = 400 CFM (25%).
⑤ FUTURE = 25%
⑥ ROOFTOP CONDENSING UNIT CM-1D FOR ACU-3D; TRANE BTD 748A-B, 43.3 MBH TOTAL, 41.0 MBH SENSIBLE, AT 80 DEGREES F DB/63 DEGREES F WB EAT AND 95 DEGREES F OUTDOOR DB, 208/1 PHASE.

A:EDCISCHD.AFB

AIR HANDLING UNIT - COIL SCHEDULE															
UNIT SERVED	SIZE FH X FL	VELOCITY FPM	STEAM COIL - NOTES ② ③ ④					CHILLED WATER COIL - NOTE ①					TCV		
			RWS/FINS PER INCH	EAT/MIN LAT	MIN MBH	LBS /HR	MAX APD (IN. WG)	RWS/FINS PER INCH	EAT DB/MB (F)	LAT DB/MB (F)	TOTAL MBH	GPM		MAX WATER (FT.)	MAX APD (IN. WG)
AHU-1C	25 1/2 X 37	540	1/8	52/92	153.4	156	0.10	4/10	83/61	64.1/53.7	74.9	16.5	3.0	0.43	2-WAY
AHU-2C	25 1/2 X 37	480	1/8	52/96	151.3	154	0.08	5/10	83/61	57.6/51.0	89.9	20.0	6.8	0.44	2-WAY
AHU-3C NOTE ⑦	48 X 73	550	1/10	56/105 NOTE ⑧	709.8	720	0.12	6/8	82/60.8	58.4/51.5 NOTE ⑨	352.4	78.3	8.0	0.55	3-WAY
AHU-4C NOTE ⑧	48 X 68	530	1/8	59/90 NOTE ⑩	405.3	411	0.09	6/8	81/60.4	59.2/51.8 NOTE ⑩	294.3	65.4	5.6	0.52	3-WAY
AHU-5C	19 1/2 X 28	420		SEE BELOW				2/8	97/65	78.3/58.4	33.5	7.5	2.6	0.12	2-WAY
	13 1/2 X 28 NOTE ⑥	610	1/8	-2/45	81.6	83	0.12			SEE ABOVE					
FCU-1C	19 1/2 X 26	455	1/8	45/98	92.0	93	0.07	6/8	78/58.4	55/49	41.2	9.0	10.7	0.40	2-WAY

NOTES: ① CHILLED WATER EWT = 46 DEGREES F, LWF = 56 DEGREES F, 35% GLYCOL SOLUTION.
② MAXIMUM COIL FACE VELOCITY = 600 FPM.
③ COIL STEAM PRESSURE = 5 PSIG.
④ MAXIMUM FIN SPACING = 10 FINS/INCH.
⑤ FACE AND BY-PASS COIL.
⑥ SIZE STEAM TRAP FOR TWICE THE DESIGN LOAD.
⑦ FUTURE CELLS; CHILLED WATER COIL - REUSE TCV VALVE TO TEMPER WATER AND BLANK OFF PART OF COIL FACE. REBALANCE WATER FLOW. STEAM COIL - BLANK OFF COIL FACE.
⑧ FUTURE CELLS; CHILLED WATER COIL - REUSE TCV MIXING VALVE TO TEMPER SUPPLY WATER AND/OR BLANK OFF PART OF COIL FACE. STEAM COIL - BLANK OFF COIL FACE.
⑨ FUTURE EAT = 63 DEGREES F DB/61 DEGREES F WB, FUTURE LAT = 65 DEGREES F DB/54 DEGREES F WB.
⑩ FUTURE EAT = 63 DEGREES F DB/61 DEGREES F WB, FUTURE LAT = 58 DEGREES F DB/51 DEGREES F WB.
⑪ FUTURE EAT = 52 DEGREES F, LAT = 89 DEGREES F MIN.
⑫ FUTURE EAT = 52 DEGREES F, LAT = 90 DEGREES F MIN.

A:EDCISCHD.AHU

RANGE HOOD SCHEDULE							
UNIT	QUANTITY	DESCRIPTION	MFR. AND MODEL NO.	VOLTS/PHASE	WATER	WASTE	REMARKS
RH-1D	1	RANGE HOOD	BAYLORD BDL-DS-MA-CA	120/1	1 1/4" HW	(2) 2"	SET AT 7'-0" ABOVE FINISH FLOOR. PROVIDE 12" EXTENSIONS, #8PC-3000 CONTROL CABINET AND QU-1.5-18 QUENCHER PANEL.

A:EDCISCHD.RHS

RETURN AND EXHAUST FAN SCHEDULE												
UNIT	LOCATION	AREA SERVED	MFR AND MODEL #	CFM	TSP IN. WG	FAN TYPE	RPM	HP	VOLTS/PHASE	DRIVE	REMARKS	
RF-1C	ATTIC	1ST FLOOR NORTH CELLS	PACE SCF-114B	3,535	3/4	FC	919	1 1/2	208/3	BELT		
RF-2C	ATTIC	1ST FLOOR SOUTH CELLS	PACE SCF-97B	2,570	3/4	FC	1081	1	208/3	BELT		
RF-3C	ATTIC	2ND, 3RD & 4TH FLOORS NORTH ZONES	PACE 36 SW81 NOTE ④	12,450 NOTE ④	3/4	AF PLUB	567	5	208/3	BELT	APPROX. UNIT WEIGHT = 1,900 LBS.	
RF-4C	ATTIC	2ND, 3RD & 4TH FLOORS SOUTH ZONES	PACE 36 SW81 NOTE ④	11,150 NOTE ④	3/4	AF PLUB	532	5	208/3	BELT	APPROX. UNIT WEIGHT = 1,900 LBS.	
EF-1C	ATTIC	1ST, 2ND, 3RD & 4TH FLOORS TOILET/SHWR.	PACE SCF-85B	2,400 NOTE ⑤	1/2	FC	1168	1 1/2	208/3	BELT		
EF-2C	ATTIC	1ST, 2ND, 3RD & 4TH FLOORS DAYROOM	PACE SCF-97A	1,600	1/2	FC	1039	3/4	208/3	BELT		
EF-3C	ATTIC	MECHANICAL ROOM	PACE U-9F	500	1/8	FC	500	1/6	120/1	BELT	UTILITY SET	
EF-1D	KITCHEN ROOF	KITCHEN HOOD	GREENHECK CUBE-HP-36	10,000	1 7/8	BI	760	7 1/2	208/3	BELT	ROOF CURB BY GENERAL CONTRACTOR. VENTED CURB BY MECH. CONT'R.	
EF-2D	EAST DISH WASHING RM	DISHWASHER ROOM	GREENHECK GMB-18	2,000	3/8	BI	800	1/3	120/1	BELT		
EF-3D	WEST DISH WASHING RM	DISHWASHER ROOM	GREENHECK GMB-18	2,000	3/8	BI	800	1/3	120/1	BELT		
EF-4D	TOILET RM CEILING	TOILET ROOM	GREENHECK SP-8	100	3/8	FC	1,550	43 WATTS	120/1	DIRECT	PROVIDE MODEL R8BP ROOF CAP WITH CURB.	
EF-5D	EXISTING ROOF	EXISTING TOILET RMS	GREENHECK G-80-B	200	3/8	BI	1,300	1/30	120/1	DIRECT	ROOF CURB BY GENERAL CONTRACTOR	
EF-6D	MECHANICAL ROOM	MECHANICAL ROOM	CARNES V18A-18	3,500	1/2	FC	1150	3/4	120/1	BELT	MOTOR ON TOP, INLET AIR SCREEN, BELT GUARD.	
EF-1L	LAUNDRY ROOF	LAUNDRY	PACE U-27AF	4,200	3/8	AF	570	1	208/3	BELT	TOP HORIZONTAL DISCHARGE. WEATHER PROOF CONSTRUCTION, SEE NOTE ⑥	

NOTES: ① FUTURE AIR QUANTITY WITH CELLS ON 2ND, 3RD AND 4TH FLOORS = 9,580 CFM.
② FUTURE AIR QUANTITY WITH CELLS ON 2ND, 3RD AND 4TH FLOORS = 4,270 CFM.
③ FUTURE AIR QUANTITY SHOWN WITH CELLS ON 2ND, 3RD AND 4TH FLOORS = 2,400 CFM.
④ ARRANGEMENT TYPE 1.
⑤ ARRANGEMENT TYPE 10.

A:EDCISCHD.REF

WATER HEATER SCHEDULE												
UNIT	LOCATION	TYPE	CAPACITY GPM	PD PSI	EWT (F)	LWT (F)	STEAM PSI OR VOLTS/PHASE	MFR. AND MODEL NO.	LBS/HR OR KW	REMARKS		
WH-1E	E105	INSTANTANEOUS	120	2	50	120	10	AERCO NO. SW18 13/4/S	4,200	ALTERNATE #1 PATTERSON KELLY MODEL 405-20		
WH-1D	D-UNIT CHILLER/MECH RM	INSTANTANEOUS	35	1	50	180	10	AERCO NO. SW18 15/3/S	2,275	ALTERNATE #1 PATTERSON KELLY MODEL 404-20		
WH-2D	D-UNIT CHILLER/MECH RM	INSTANTANEOUS	35	1	50	180	10	AERCO NO. SW18 15/3/S	2,275	ALTERNATE #1 PATTERSON KELLY MODEL 404-20		
WH-1C	C143	INSTANTANEOUS	70		40	140	10	AERCO NO. SW18-13/4.00/S	3,500	ALTERNATE #1 PATTERSON KELLY MODEL 405-20		
WH-3G	G136	INSTANTANEOUS	--	--	--	--	120/1	CHRONOMITE S-23L	2.3 KW			
WH-4B	B263	INSTANTANEOUS	--	--	--	--	120/1	CHRONOMITE S-23L	2.3 KW			
WH-1A	FURNISH TO OWNER	INSTANTANEOUS	70	--	40	140	10	AERCO NO. SW18-13/4.00/S	3,500	ALTERNATE #1 PATTERSON KELLY MODEL 405-20		
WH-1B	FURNISH TO OWNER	INSTANTANEOUS	70	--	40	140	10	AERCO NO. SW18-13/4.00/S	3,500	ALTERNATE #1 PATTERSON KELLY MODEL 405-20		

NOTES: ① STEAM PRESSURE IS INLET PRESSURE TO STEAM CONTROL VALVE.
② SIZE STEAM TRAPS AT 2 TIMES WATER HEATER CAPACITY.

A:EDCISCHD.WHS

PUMP SCHEDULE										
UNIT	LOCATION	AREA SERVED	PUMP TYPE	FLOW GPM	HEAD FT/WG	MOTOR HP	VOLTS/PHASE	MFR. AND MODEL NO.	REMARKS	
CP-1D	D-UNIT CHILLER/MECH RM	DINING COMPLEX	IN-LINE	10	14	1/6	115/1	B&B SERIES P.R.-1*	BRONZE CONSTRUCTION	
CP-2D	D-UNIT CHILLER/MECH RM	DINING COMPLEX	IN-LINE	10	14	1/6	115/1	B&B SERIES P.R.-1*	BRONZE CONSTRUCTION	
CP-1C	C143	C-UNIT	IN-LINE	10	14	1/6	115/1	B&B SERIES P.R.-1*	BRONZE CONSTRUCTION	
CP-3B	B136	B1	IN-LINE	5	10	1/20	120/1	B&B LR-20B	BRONZE CONSTRUCTION	
CP-4B	B263	B2	IN-LINE	5	10	1/20	120/1	B&B LR-20B	BRONZE CONSTRUCTION	
CRU-1C	C143	C-UNIT	DUPLX CONDENSATE	37.5	40 PSI @ 84"	TWO 2 HP	208/3	HOFFMAN NO. 254HC	36 GALLON RECEIVER 3500 RPM MOTOR	
SP-1D	D-UNIT CORRIDOR	D-UNIT FREEZERS	SUMP PUMP	45	21	1/4	115/1	HYDR-O-MATIC SP25	SIMPLEX SYSTEM WITH 18 X 30 FIBERGLASS BASIN	
CRU-1D	D-UNIT CHILLER/MECH RM	D-UNIT WATER HEATERS	DUPLX CONDENSATE	22.5	30 PSI8	TWO 1 HP	208/3	HOFFMAN NO. 153HC	23 GALLON RECEIVER 3500 RPM MOTOR	
CRU-1E	E-105	WATER HEATERS	DUPLX CONDENSATE	37.5	30 PSI8	TWO 1 HP	208/3	HOFFMAN NO. 253HC	36 GALLON RECEIVER 3500 RPM MOTOR	

A:EDCISCHD.PS

ELECTRIC UNIT HEATER SCHEDULE							
UNIT	LOCATION	TYPE	CFM	MOTOR HP	VOLTS/PHASE	KW	MFR. AND MODEL NO.
EUH-1C	STAIR	HORIZ. ELEC.	400	1/125	208/3	5	TRANE UHEC-03300B0 WITH WALL BRACKET
EUH-2C	UNIT-C CORRIDOR	HORIZ. ELEC.	400	1/125	208/3	3.3	TRANE UHEC-03300B0 WITH WALL BRACKET
EUH-1D	KITCHEN	HORIZ. ELEC.	400	1/125	480/3	3.3	TRANE UHEC-03300B0 WITH WALL BRACKET
EUH-2D	EAST DISH WASHING RM	HORIZ. ELEC.	400	1/125	480/3	3.3	TRANE UHEC-03300B0 WITH WALL BRACKET
EUH-3D	WEST DISH WASHING RM	HORIZ. ELEC.	400	1/125	480/3	3.3	TRANE UHEC-03300B0 WITH WALL BRACKET

A:EDCISCHD.UHS

REHEAT COIL SCHEDULE							
UNIT NO.	CFM	SIZE FH X FL	VELOCITY FPM	EAT/MIN LAT (F)	MBH	LBS/HR	MAX APD IN. WG
RHC-1C	1500	15 X 24	600	58/74	26.0	26	0.11

A:EDCISCHD.RCS

ELECTRIC WALL/CEILING HEATERS						
UNIT	LOCATION	CFM	KW	MFR. AND MODEL NO.	VOLTS/PHASE	
EWH-1D	WEST VESTIBULE	210	4	ELECTROMODE EWA40Y	277/1	
EWH-2D	WEST VESTIBULE	210	4	ELECTROMODE EWA40Y	277/1	
EWH-3D	EAST VESTIBULE	210	4	ELECTROMODE EWA40Y	277/1	
EWH-4D	EAST VESTIBULE	210	4	ELECTROMODE EWA40Y	277/1	
ECH-1D	EXISTING WEST CORRIDOR	200	HI-3.75 LO-1.25	TRANE E46-ED-02	480/3	

A:EDCISCHD.EWH



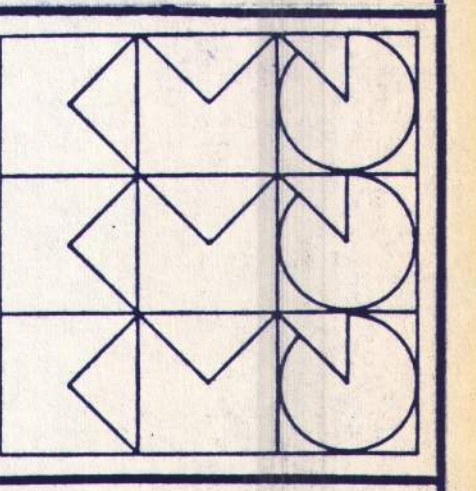
BALZISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
880 MARSHLEY STREET EUGENE, OREGON 97401

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 ONE STREET EUGENE, OREGON 97401

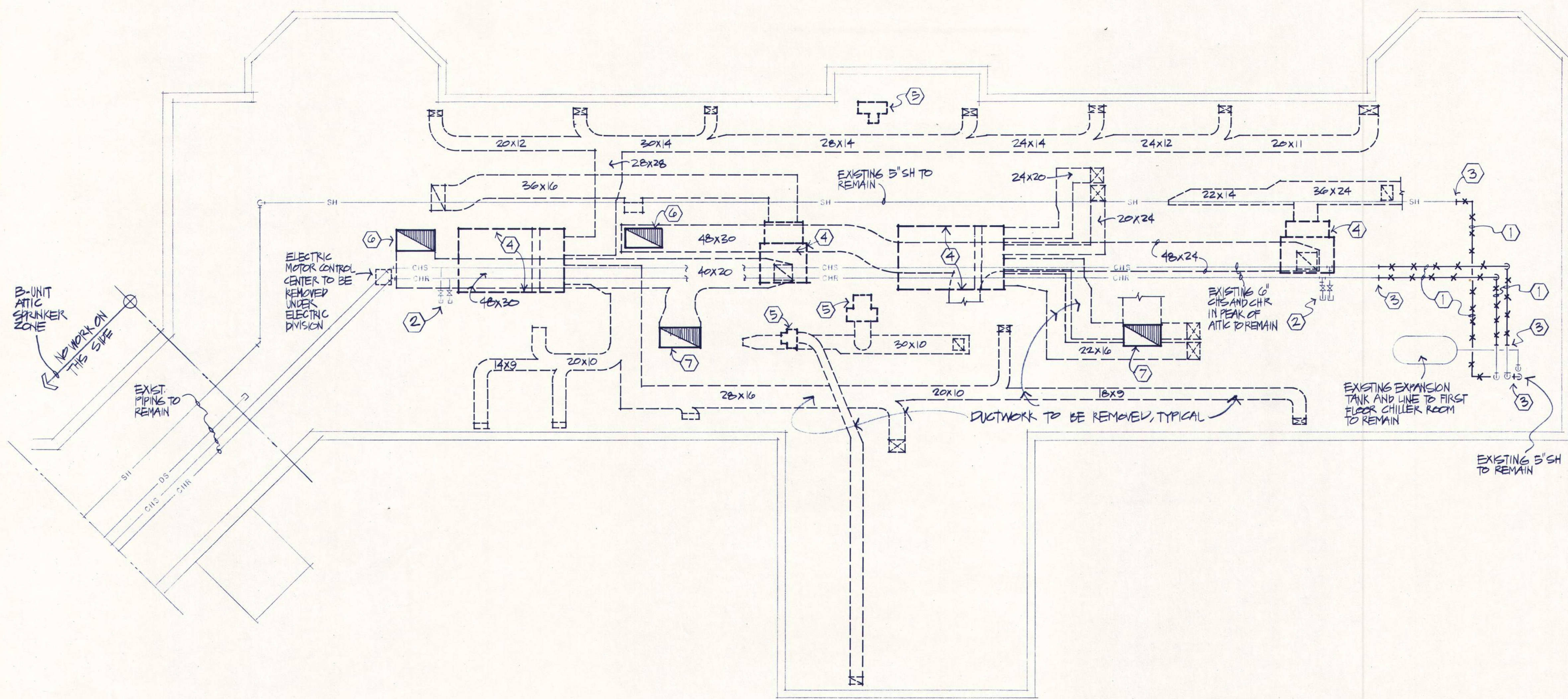
FRANK HONEY
STRUCTURAL ENGINEER
8880 S.W. LAUREL LEAF LANE PORTLAND, OREGON 97225

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6
CORRECTIONS DIVISION
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

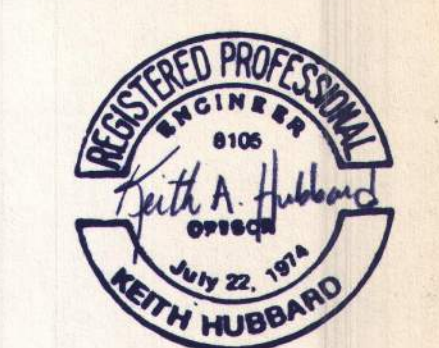


APPROVED
DRAWN 2/10/88
DATE
JOB 801.6



- DEMOLITION NOTES - C UNIT - ATTIC SPACE**
- REMOVE EXISTING PIPING WHERE SHOWN.
 - EXISTING 3" CHS AND CHR VALVED STUB-OUT TO REMAIN.
 - FUTURE CONNECTION UNDER NEW WORK.
 - REMOVE EXISTING AIR HANDLING UNIT AND ALL ASSOCIATED DUCTWORK.
 - REMOVE EXISTING EXHAUST FAN UNIT AND ALL ASSOCIATED DUCTWORK.
 - EXISTING GOOSENECK OPENING ON ROOF TO REMAIN. REMOVE ASSOCIATED DUCT UP TO CROSS BEAM (APPROXIMATELY 7'-6" ABOVE FLOOR). CAP FOR FUTURE CONNECTION.
 - EXISTING GOOSENECK OPENING ON ROOF TO REMAIN. REMOVE ASSOCIATED DUCT UP TO UNDERSIDE OF ROOF JOIST. CAP FOR FUTURE CONNECTION.
- A:EGCICSDP.M3
- GENERAL NOTES - C UNIT ATTIC - DEMOLITION**
- SCHEDULE REMOVAL OF EXISTING STEAM AND CHILLED WATER PIPING WITH OWNER AND OTHER PHASES OF WORK IN OTHER BUILDINGS.
 - REMOVE ALL DUCTWORK IN ATTIC UNLESS OTHERWISE INDICATED. SIZES AND DUCTWORK SIZES ARE APPROXIMATE.
 - REMOVAL OF ASBESTOS PIPE INSULATION IN THE ATTIC IS UNDER A SEPARATE CONTACT.
- A:EGCICSDM.M3

C5 ATTIC PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"



BALZHISER, HUBBARD ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
410 BUCKLEY STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
849 S. W. LOVELL, CLATSOP COUNTY, PORTLAND, OREGON 97205

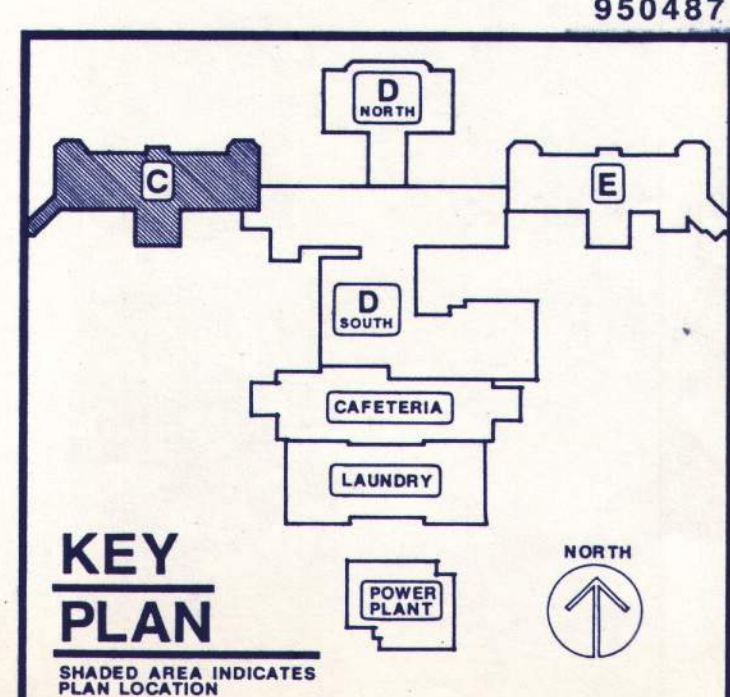
EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
OREGON STATE CORRECTIONS DIVISION

122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

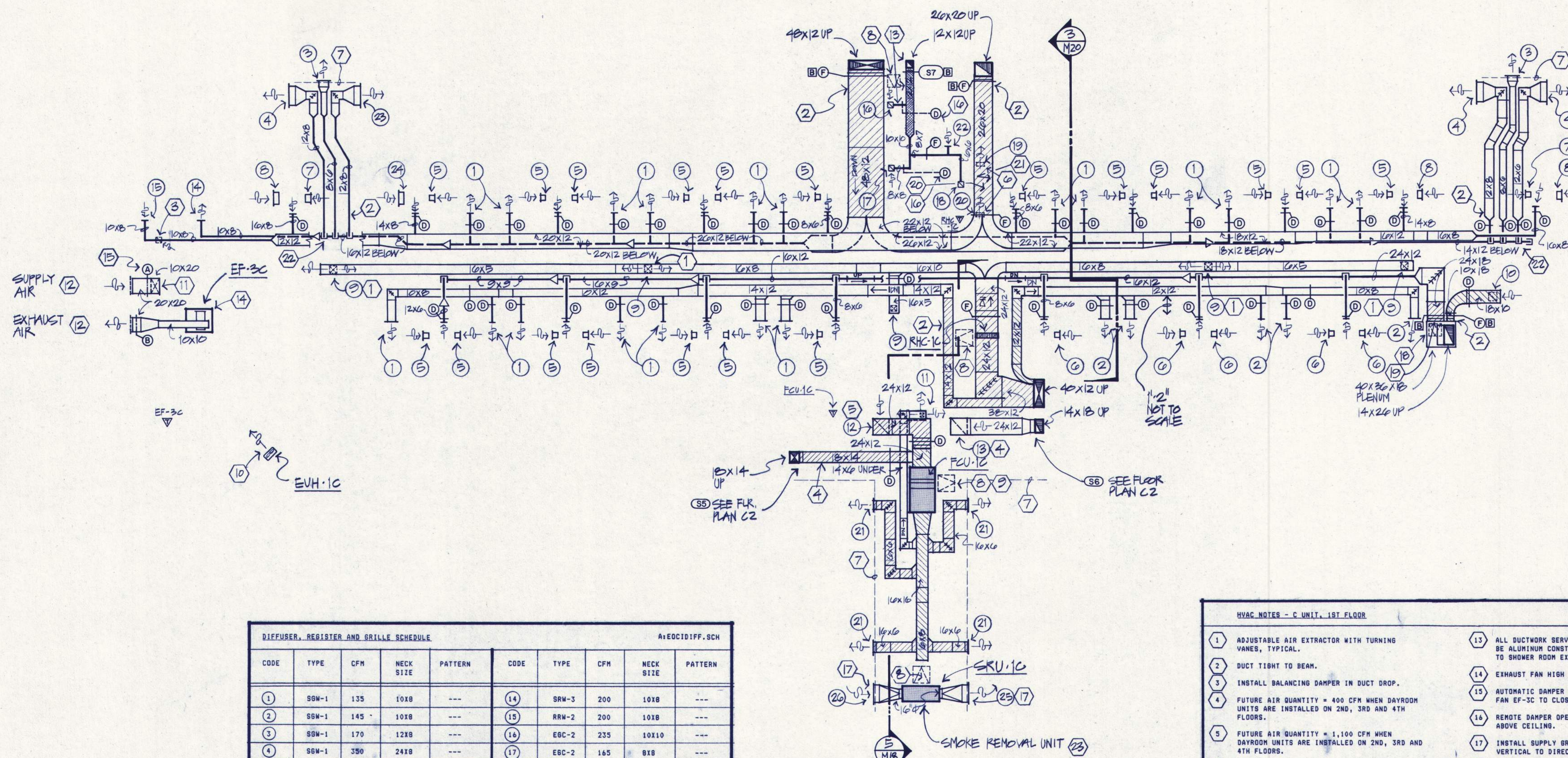
PLUMBING FIXTURE SCHEDULE

CODE	FIXTURE	CONNECTION				MANUFACTURER	MODEL NO.	DESCRIPTION AND REMARKS	CODE	FIXTURE	CONNECTION				MANUFACTURER	MODEL NO.	DESCRIPTION AND REMARKS	CODE	FIXTURE	CONNECTION				MANUFACTURER	MODEL NO.	DESCRIPTION AND REMARKS
		W	V	HW	CW						W	V	HW	CW						W	V	HW	CW			
WC/L-1	WATER CLOSET LAVATORY	3	2	1/2	1	BRADLEY	5402R 5402L	STAINLESS STEEL, FLOOR MOUNTED, WALL OUTLET, INTEGRAL SEAT. SLOAN ROYAL #662 FLUSH VALVE, #1500 WALL SLEEVE, #1330 TISSUE HOLDER, #1301-2 TENSION RELEASE TONEL HOOKS, #1200-7, 3" NO HUB WASTE CONNECTION W/CLEANOUT AND #1117 WASTE W/CLEANOUT. 1/2 GPM LAV. FLOW CONTROL.	SS-1	SERVICE SINK MOUNT		1/2	1/2	CHICAGO	956-R-VPC	FAUCET ONLY, CHROME PLATED, MOUNT 42" ABOVE FINISHED FLOOR. NOTE: 4" FD-4 (FLOOR DRAIN) SERVING THIS FAUCET TO BE ROUGHED-IN AT THE LOCATION OF A KOHLER #K-6710 SERVICE SINK.	AD-2	AREA DRAIN	4				ZURN	Z-645	12"x14" X-HEAVY DUTY, DURA COATED, C.I., SIDE OUTLET, C.I. SECURED GRATE, V.P. SCREWS, INTERNAL TRAP W/CLEAN-OUT AND SUSPENDED SEDIMENT BUCKET.	
WC-2	WATER CLOSET	3	2		1	BRADLEY	7230	STAINLESS STEEL WALL MOUNT WITH INTEGRAL SEAT. SLOAN ROYAL #611 FLUSH VALVE, #1500 WALL SLEEVE AND #1200-7, 3" NO HUB WASTE CONN. SET AT HANDICAPPED HEIGHT.	SH-1	SHOWER		1/2		BRADLEY	1W-6"TF-SH-SX-RSD	WALL MOUNTED BRADSOLE, 18 GA. STAINLESS STEEL, PUSHBUTTON 60 SECOND METERING VALVE, SHROUD ASSEMBLY, NO. SECURE SERVICE SHOWER HEAD, RECESSED SOAP DISH. ALL FASTENERS VANDALPROOF.	RD-1	ROOF DRAIN					JOSAM	21500	COATED CAST IRON W/POLYPROPYLENE LOCKING RING, BECK CLAMP, EXTENSION COLLAR AND NO HUB CONNECTION.	
WC-3	WATER CLOSET	3	2		1	KOHLER KINGSTON	K-4430-ET	WALL MOUNTED, TOP SPUD, VITREOUS CHINA (WHITE), ELONGATED BOWL, SIPHON JET. SLOAN ROYAL #110-3 FLUSH VALVE. OLSONITE 100C WHITE SEAT COMMERCIAL CARRIER.	SH-2	SHOWER		1/2		BRADLEY	1W-6"SY-2,SSC-SH-RSD-DV-HN600	SAME AS SH-1, EXCEPT WITH DIVERTER VALVE AND HAND HELD SHOWER HEAD W/S.S. FLEXIBLE HOSE FOR HANDICAPPED.	RD-2	ROOF DRAIN					JOSAM	21500	SAME AS RD-1 EXCEPT ADD 2" WATER GUARD. SEE ARCHITECTURAL FOR DETAIL.	
U-1	URINAL	2	1-1/2		3/4	KOHLER	K-4980-T	WALL MOUNT, TOP SPUD, VITREOUS CHINA, WASHOUT WITH SLOAN ROYAL #186 FLUSH VALVE. COMMERCIAL CARRIER.	DF-1	DRINKING FOUNTAIN	1-1/4	1/2	BRADLEY	6812	FRONT MOUNT, 304 STAINLESS STEEL, 12 GA. CABINET, #4 SATIN FINISH, #1101 FAST DRAIN, #1112-1 P-TRAP, #1101 SELF-CLOSING VALVE, #1500 WALL SLEEVE, PENAL BUBBLER (1/2 GPM FLOW) AND V.P. SCREWS.	HY-1	WALL HYDRANT			3/4	WOODFORD	865-P	FREEZEPROOF, WALL HYDRANT WITH BUILT-IN VACUUM BREAKER. RECESSED VANDALPROOF BOX WITH LOOSE KEY. 18" ABOVE FINISHED GRADE.			
L-2	LAVATORY	1-1/4	1-1/4	1/2	1/2	BRADLEY	6585	BARRIER FREE STAINLESS STEEL SLOAN ROYAL #662 FLUSH VALVE, #1301-2 TENSION RELEASE TONEL HOOKS, #1500 WALL SLEEVE, AND #1117 ELBOW WASTE.	FD-1	FLOOR DRAIN	2, 3		JAY R. SMITH	2040-B	DURA-COATED CAST IRON BODY, BOTTOM OUTLET, ADJUSTABLE TYPE Y NICKEL BRONZE STRAINER, V.P. SCREWS, PRIME TAP. NOTE: PROTECT V.P. SCREW HOLES FROM BEING PLUGGED DURING CONST.	HY-1	WALL HYDRANT			3/4	WOODFORD	Y95	FREEZELESS HARD HYDRANT WITH BUILT-IN VACUUM BREAKER. TAMPERPROOF RECESSED BOX WITH LOOSE KEY. SET FLUSH WITH GRADE.			
L-3	LAVATORY	1-1/4	1-1/4	1/2	1/2	KOHLER	K-2032	GREENWICH VITREOUS CHINA WALL HUNG, 18X15 WITH 4" FAUCET CENTERS, SYMMONS 5-60-G CHROME PLATED FAUCET AND GRID STRAINER VANDALPROOF (1/2 GPM SPOUT).	FD-1	FLOOR DRAIN	2		JAY R. SMITH	2040-B	SAME AS FD-1, EXCEPT ADD A JAY R. SMITH #3580 NICKEL BRONZE FUNNEL.	HB-1	HOSE BIBB			3/4	CHICAGO	952	INSIDE SILL FAUCET WITH VACUUM BREAKER AND REMOVABLE HANDLE.			
L-4	LAVATORY	1-1/4	1-1/4	1/2	1/2	ELKAY	ELW0-2219	WALL MOUNT 304" STAINLESS STEEL, CHICAGO #895-VP CHROME PLATED FAUCET AND #1X-174 GRID STRAINER. (1/2 GPM SPOUT).	FD-3	FLOOR DRAIN	3		JAY R. SMITH	6205-C	DUCO CAST IRON GUTTER DRAIN, INTEGRAL FLASHING CLAMP, BOTTOM OUTLET, CHROME PLATED FACE AND VANDALPROOF SCREWS.	HB-2	HOSE BIBB			3/4	CHICAGO	R35-SFB	SERVICE SINK FITTING W/EXPOSED VALVES FOR SUPPLIES FROM BELOW. REID SPOUT W/VACUUM BREAKER, WALL BRACE, 3/4" HOSE THREAD OUTLET, CHROME PLATED.			
S-1	SINK	1-1/2	1-1/2	1/2	1/2	ELKAY	LR-1918	19X18, 18 GAUGE, 302 S.S. SELF-RIMMING SINGLE COMPARTMENT #1000 WITH CHICAGO #786 GOOSENECK SPOUT, #369 WING HANDLES, ELKAY #KX-99 DRAIN, AND IN-SINK-ERATOR #K-778 HOT WATER DISPENSER MOUNTED IN COUNTER TOP.	FD-2	FLOOR DRAIN	2		JAY R. SMITH	2040-B	DUCO CAST IRON BODY W/INTEGRAL CLEAN-OUT, SQUARE NICKEL BRONZE GRATE, PRIME TAP, AND VANDALPROOF SCREWS (PROTECT V.P. SCREW HOLES FROM BEING PLUGGED DURING CONSTRUCTION).	MV-1	THERMOSTATIC MIXING VALVE			1-1/2	1-1/2	SYMMONS	5-900A	TEMP CONTROL THERMOSTATIC CONTROLLER, 83 GPM AT 25 PSI DROP, CHECK VALVES, STRAINERS, BIMETAL DIAL THERMOMETER (3" FACE, 20" TO 240" F) AND INLET STOPS. SAFETY STOP SET AT 110° F.		
S-2	SINK	1-1/2	1-1/2	1/2	1/2	BY OTHERS		PROVIDE A CHICAGO #540L CHROME PLATED FAUCET, ELKAY #K-24-RT S.S. STRAINERS (2 REQUIRED) AND A WASTE FLOW CONTROL FITTING AT 35 GPM MAXIMUM.	FD-4	FLOOR DRAIN	4		ZURN	Z-610	12X12 SQUARE TOP, DURA-COATED C.I. BODY, BOTTOM OUTLET, SEDIMENT BUCKET, SECURED C.I. GRATE, V.P. SCREWS, PRIMING TAP. (PROTECT V.P. SCREWS FROM BEING PLUGGED DURING CONSTRUCTION).	IM-1	ICE MAKER			3-5/8	1/2	SCOTSMAN	AC25A-1A	TEXTURED METAL W/SANDLAWOOD ENAMEL FINISH, WOODGRAIN UPPER FRONT PANEL AND BIN ACCESS DOOR, #KLPZE 6" BLACK ENAMEL METAL LESS.		
S-3	SINK	1-1/2	1-1/2	3/4	3/4	BY OTHERS		PROVIDE A CHICAGO #728-SS CHROME PLATED FAUCET, T&S #B-114, PRE-RINSE UNIT, ELKAY #K-24-RT S.S. STRAINERS (2 REQUIRED) AND A WASTE FLOW CONTROL FITTING AT 35 GPM MAXIMUM.	FD-5	FLOOR DRAIN			JAY R. SMITH	2040-B	DUCO CAST IRON BODY W/INTEGRAL CLEAN-OUT, SQUARE NICKEL BRONZE GRATE, PRIME TAP, AND VANDALPROOF SCREWS (PROTECT V.P. SCREW HOLES FROM BEING PLUGGED DURING CONSTRUCTION).	G1-1	GREASE INTERCEPTOR					SMITH	R335-W	WHITE DUCO COATING INSIDE AND OUTSIDE. 35 GPM FLOW RATE, 70 LB. GREASE CAPACITY, FLOW CONTROL FITTING, FULLY ENCLOSED CRADLE W/INTERNAL DRAIN PAN, FLUSH COVER.		
									FS-1	FLOOR SINK			COMMERCIAL ENAMELLING	906	12X12X6 ENAMELLED CAST IRON, BOTTOM OUTLET AND #912 HALF TOP GRATE.	DU-1	DISPOSAL UNIT	3	1-1/2			RED GOAT	C712P-OSA	15" ROTOR, 2-1/2 HP. AUTO-REVERSING "MINI" CONTROL BOX, MODEL ARM-CR W/OVERLOADS, 480 V, 3 PHASE, STAINLESS STEEL FLANGED RING, VINYL SILVER TRAP, T&S #B114 PRE-RINSE UNIT, 2 WATER INLETS, ELECTRIC SOLENOID VALVE, 2 FLOW CONTROL VALVES AND VACUUM BREAKER.		
									AD-1	AREA DRAIN	4		ZURN	Z-611	9"X9" MEDIUM DUTY, DURA COATED, CAST IRON BODY, BOTTOM OUTLET, CAST IRON SECURED GRATE, V.P. SCREWS, AND SUSPENDED SEDIMENT BUCKET.	BS-1	BEVERAGE STATION			1/2		CENTRAL BRASS	326	CAST BRASS GLASS FILLER W/1/2" 14 NPS FEMALE THREAD AND STATIONARY FLANGE. SEE ARCHITECTURAL FOR DETAIL.		



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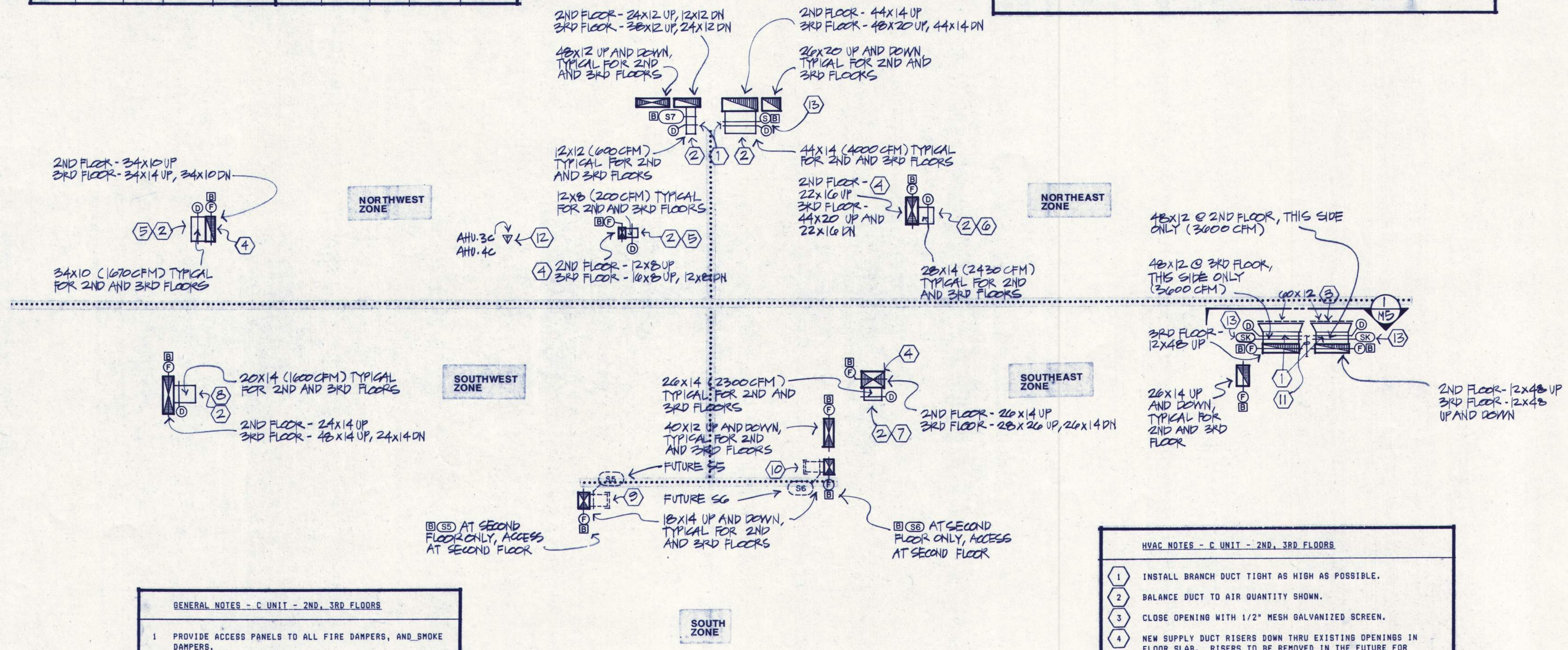
M3



DIFFUSER, REGISTER AND GRILLE SCHEDULE					A:EDC1DIFF.SCH				
CODE	TYPE	CFM	NECK SIZE	PATTERN	CODE	TYPE	CFM	NECK SIZE	PATTERN
1	SRW-1	135	1018	---	14	SRW-3	200	1018	---
2	SRW-1	145	1018	---	15	RRW-2	200	1018	---
3	SRW-1	170	1218	---	16	ESC-2	235	10110	---
4	SRW-1	350	2418	---	17	ESC-2	165	818	---
5	RRW-1	135	1018	---	18	ESC-2	100	616	---
6	RRW-1	145	1018	---	19	TOW-1	100	616	---
7	RRW-1	170	1218	---	20	TOW-1	200	1018	---
8	RRW-1	350	2418	---	21	SRW-2	320	1616	---
9	RDC-1	300	12x12	2-WAY	22	ERM-1	100	616	---
10	RDC-1	900	15x15	---	23	SRW-1	325	2418	---
11	RDC-1	320	12x12	3-WAY	24	RRW-1	325	2418	---
12	RDC-1	0	24x24	---	25	SRW-2	1200	24x24	---
13	ESC-1	1400	24x24	---	26	RRW-1	1200	24x24	---

C1 FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"

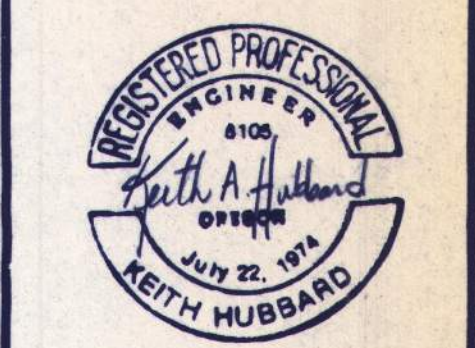
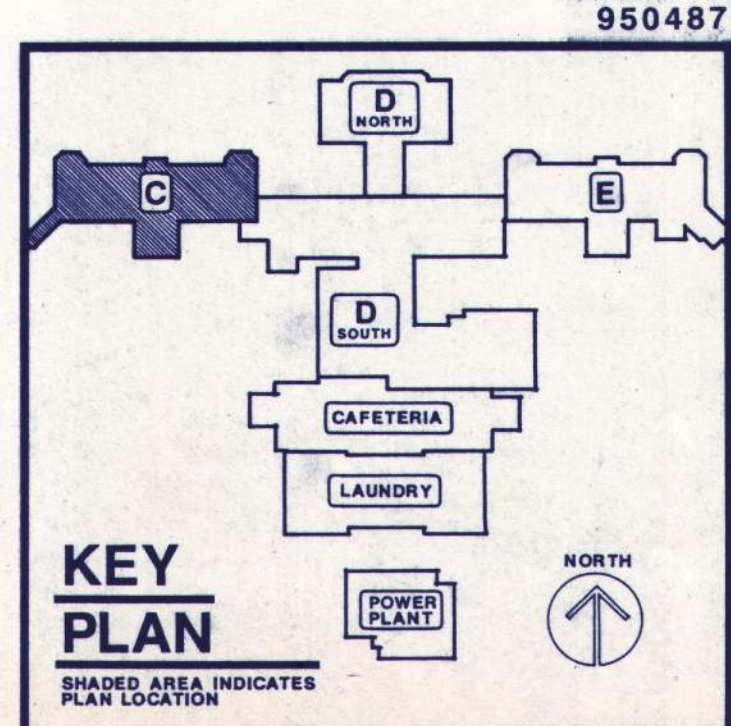
- HVAC NOTES - C UNIT, 1ST FLOOR**
- ADJUSTABLE AIR EXTRACTOR WITH TURNING VANES, TYPICAL.
 - DUCT TIGHT TO BEAM.
 - INSTALL BALANCING DAMPER IN DUCT DROP.
 - FUTURE AIR QUANTITY = 400 CFM WHEN DAYROOM UNITS ARE INSTALLED ON 2ND, 3RD AND 4TH FLOORS.
 - FUTURE AIR QUANTITY = 1,100 CFM WHEN DAYROOM UNITS ARE INSTALLED ON 2ND, 3RD AND 4TH FLOORS.
 - INSTALL TRANSFER GRILLES WITH TOP DOWN 2" BELOW CEILING.
 - LINE OF DROPPED CEILING. SEE ARCHITECTURAL DRAWINGS.
 - CEILING ACCESS DOOR. SEE ARCHITECTURAL DRAWINGS.
 - AIR CONDITIONING UNIT MOTOR, COIL, AND FILTER ACCESS ON THIS SIDE.
 - ELECTRIC UNIT HEATER. FIRST FLOOR ONLY.
 - TERMINATE OUTSIDE AIR DUCT 12" ABOVE FLOOR.
 - 20 X 20 OUTSIDE AIR EXHAUST AIR LouVERS. BOTTOM UP 11'-0" ABOVE MECHANICAL ROOM FLOOR. MINIMUM FREE AREA = 1.1 SQ. FT.
 - ALL DUCTWORK SERVING THE SHOWER AREA SHALL BE ALUMINUM CONSTRUCTION. SLOPE DUCT DOWN TO SHOWER ROOM EXHAUST DRILL.
 - EXHAUST FAN HIGH IN ROOM.
 - AUTOMATIC DAMPER INTERLOCKS WITH EXHAUST FAN EF-3C TO CLOSE WHEN FAN IS OFF.
 - REMOTE DAMPER OPERATOR TO BE ACCESSIBLE ABOVE CEILING.
 - INSTALL SUPPLY GRILLE WITH BLADES IN THE VERTICAL TO DIRECT AIR SUPPLY AS SHOWN.
 - INSTALL ACCESS PANEL FOR FIRE DAMPER AND TEMPERATURE SENSOR IN PLENUM.
 - REMOTE TEMPERATURE SENSOR FOR UNIT AHU-3C MOUNTED IN PLENUM, ACROSS 24 X 18 OPENING.
 - REMOTE TEMPERATURE SENSOR FOR UNIT AHU-1C MOUNTED IN DUCT.
 - MOUNT REMOTE TEMPERATURE ADJUSTMENT CONTROLLER FOR AHU-1C AND AHU-3C ON WALL.
 - DUCT TAKE-OFF FROM TOP OF MAIN DUCT, TYPICAL.
 - INSTALL FAN VARIABLE SPEED CONTROLLER AT UNIT.



- GENERAL NOTES - C UNIT - 2ND, 3RD FLOORS**
- PROVIDE ACCESS PANELS TO ALL FIRE DAMPERS, AND SMOKE DAMPERS.

- HVAC NOTES - C UNIT - 2ND, 3RD FLOORS**
- INSTALL BRANCH DUCT TIGHT AS HIGH AS POSSIBLE.
 - BALANCE DUCT TO AIR QUANTITY SHOWN.
 - CLOSE OPENING WITH 1/2" MESH GALVANIZED SCREEN.
 - NEW SUPPLY DUCT RISERS DOWN THRU EXISTING OPENINGS IN FLOOR SLAB. RISERS TO BE REMOVED IN THE FUTURE FOR FUTURE CELLS SIMILAR TO 1ST FLOOR LAYOUT.
 - SUPPLY DUCT SERVING NORTHWEST ZONE.
 - SUPPLY DUCT SERVING NORTHEAST ZONE.
 - SUPPLY DUCT SERVING SOUTHWEST ZONE.
 - SUPPLY DUCT SERVING SOUTHEAST ZONE.
 - FUTURE OUTSIDE AIR DUCT SERVING FUTURE FAN COIL UNIT FOR SOUTH ZONE OR DAYROOM. FUTURE = 400 CFM.
 - FUTURE EXHAUST AIR DUCT SERVING SOUTH ZONE OR DAYROOM. FUTURE = 400 CFM.
 - NEW BEAM. SEE ARCHITECTURAL DRAWINGS.
 - TEMPORARY THERMOSTAT ON SECOND FLOOR ONLY TO CYCLE UNITS AND HEATING CONTROL VALVES.
 - COMBINATION FIRE/SMOKE DAMPER OR SMOKE DAMPER CONTROL UNDER FUTURE WORK.

C2, C3 FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
889 MAIN STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
147 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
889 S.W. LAMUEL LEAVY LANE, PORTLAND, OREGON 97225

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
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WEGROUP pc / ARCHITECTS & PLANNERS
OREGON STATE CORRECTIONS DIVISION

122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1161
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

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M4

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BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
800 MARLEY STREET, SEASIDE, OREGON 97138

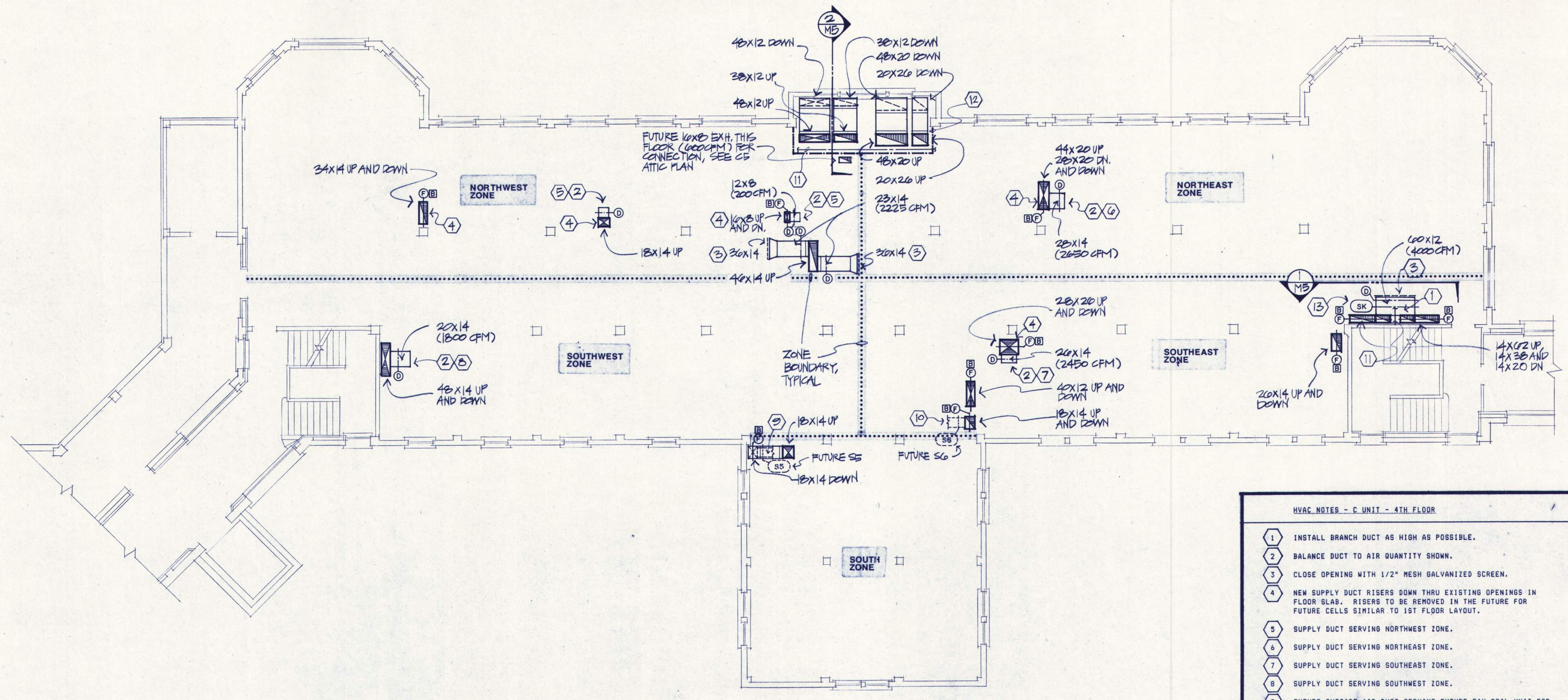
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1827 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
888 S.W. LAUREL LEAF LANE, PORTLAND, OREGON 97221

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE, EAST EUGENE, OREGON 97401 / (503) 344-3249

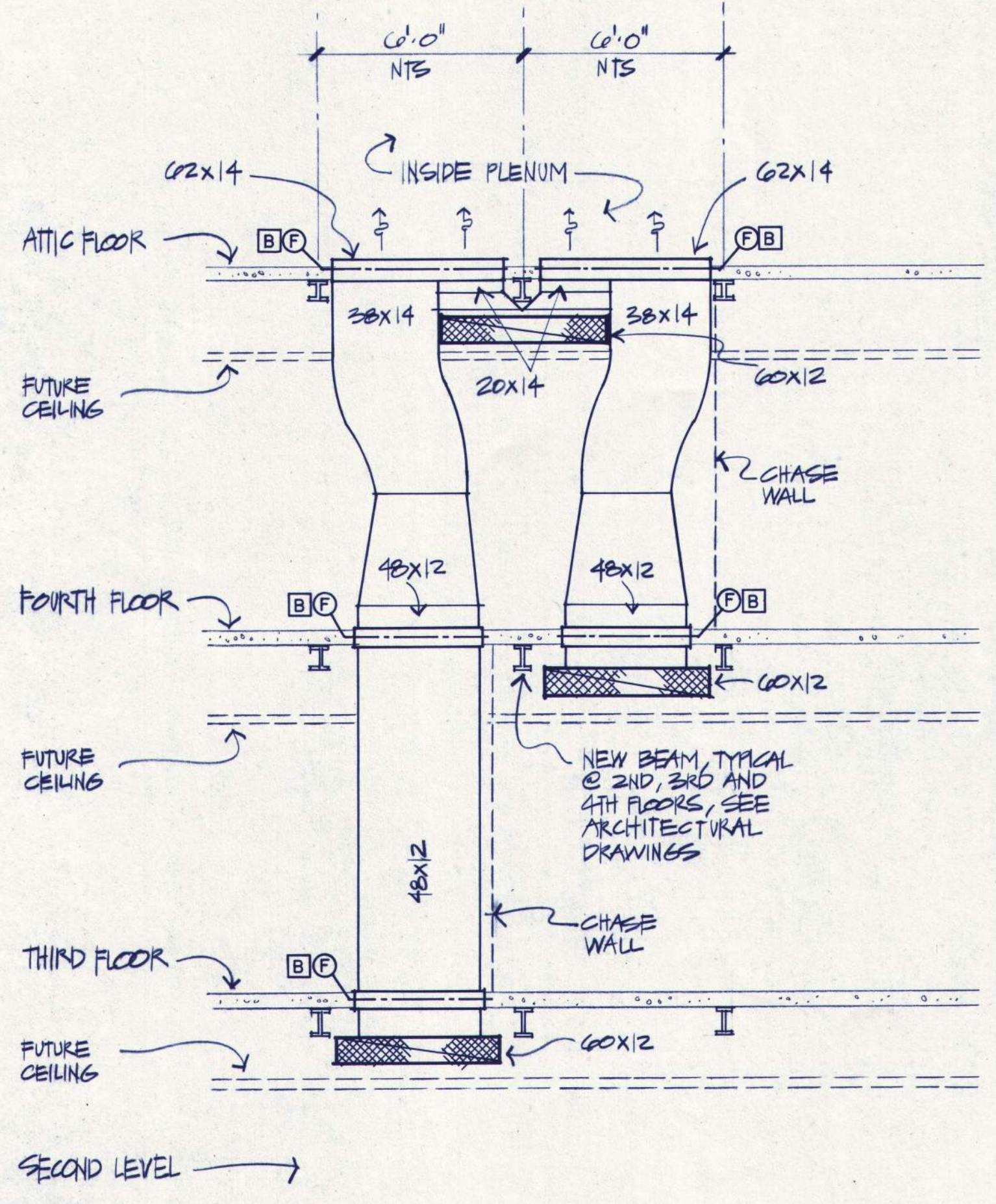


C4 FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"

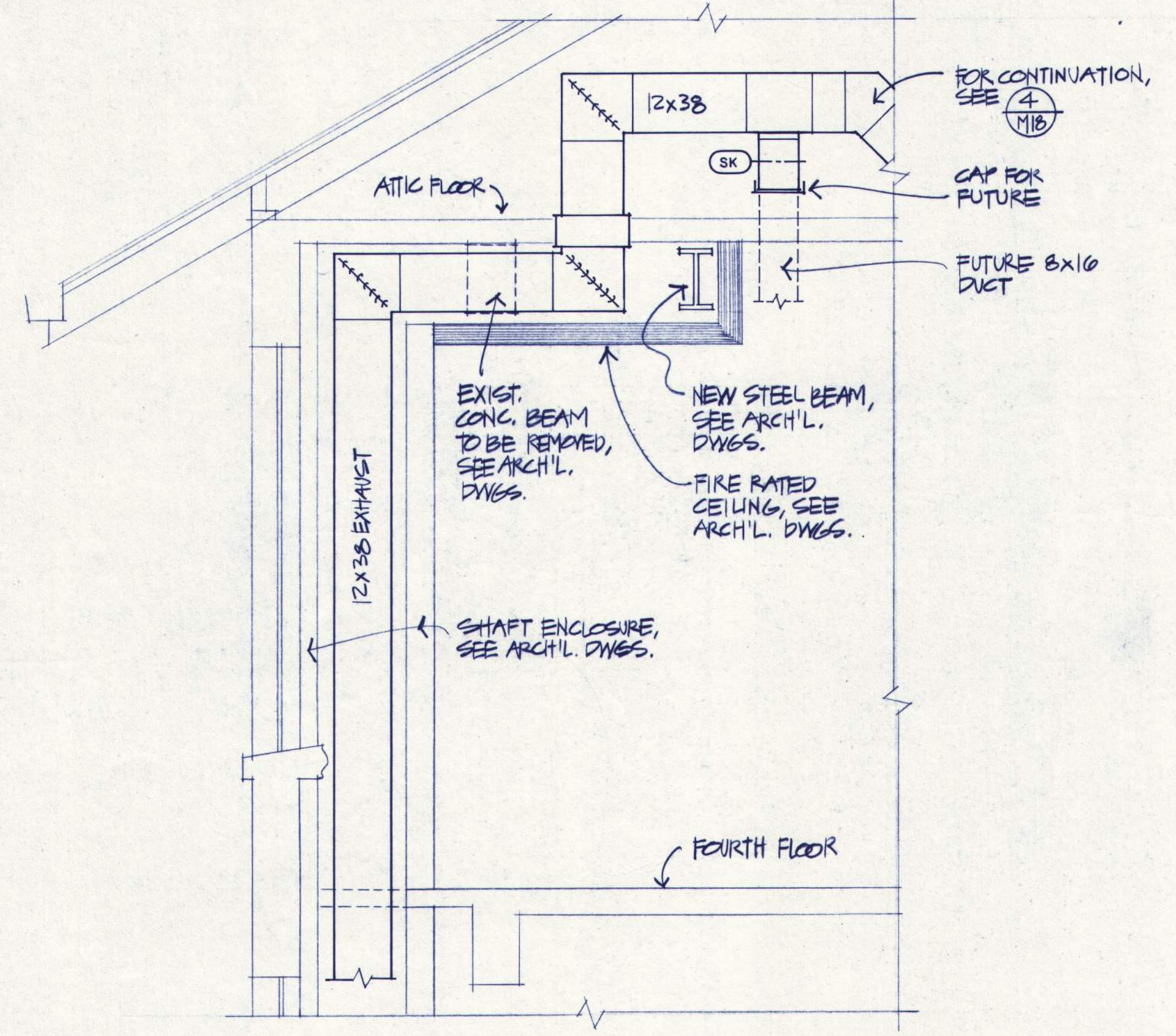
HVAC NOTES - C UNIT - 4TH FLOOR

1. INSTALL BRANCH DUCT AS HIGH AS POSSIBLE.
2. BALANCE DUCT TO AIR QUANTITY SHOWN.
3. CLOSE OPENING WITH 1/2" MESH GALVANIZED SCREEN.
4. NEW SUPPLY DUCT RISERS DOWN THRU EXISTING OPENINGS IN FLOOR SLAB. RISERS TO BE REMOVED IN THE FUTURE FOR FUTURE CELLS SIMILAR TO 1ST FLOOR LAYOUT.
5. SUPPLY DUCT SERVING NORTHWEST ZONE.
6. SUPPLY DUCT SERVING NORTHEAST ZONE.
7. SUPPLY DUCT SERVING SOUTHEAST ZONE.
8. SUPPLY DUCT SERVING SOUTHWEST ZONE.
9. FUTURE OUTSIDE AIR DUCT SERVING FUTURE FAN COIL UNIT FOR SOUTH ZONE OR DAYROOM. FUTURE = 400 CFM.
10. FUTURE EXHAUST AIR DUCT SERVING SOUTH ZONE OR DAYROOM. FUTURE = 400 CFM.
11. NEW BEAM. SEE ARCHITECTURAL DRAWINGS.
12. FIRE RATED CEILING ENCLOSURE.
13. SMOKE DAMPER CONTROL UNDER FUTURE WORK.

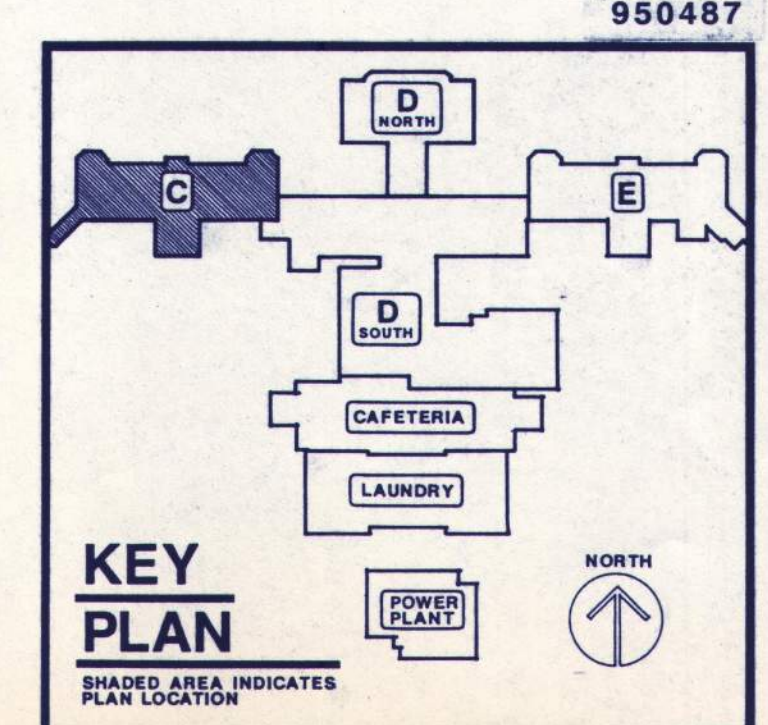
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1 SECTION @ DUCT RISERS
SCALE: 1/4" = 1'-0"



2 SECTION @ SHAFT ENCLOSURE
SCALE: 1/2" = 1'-0"



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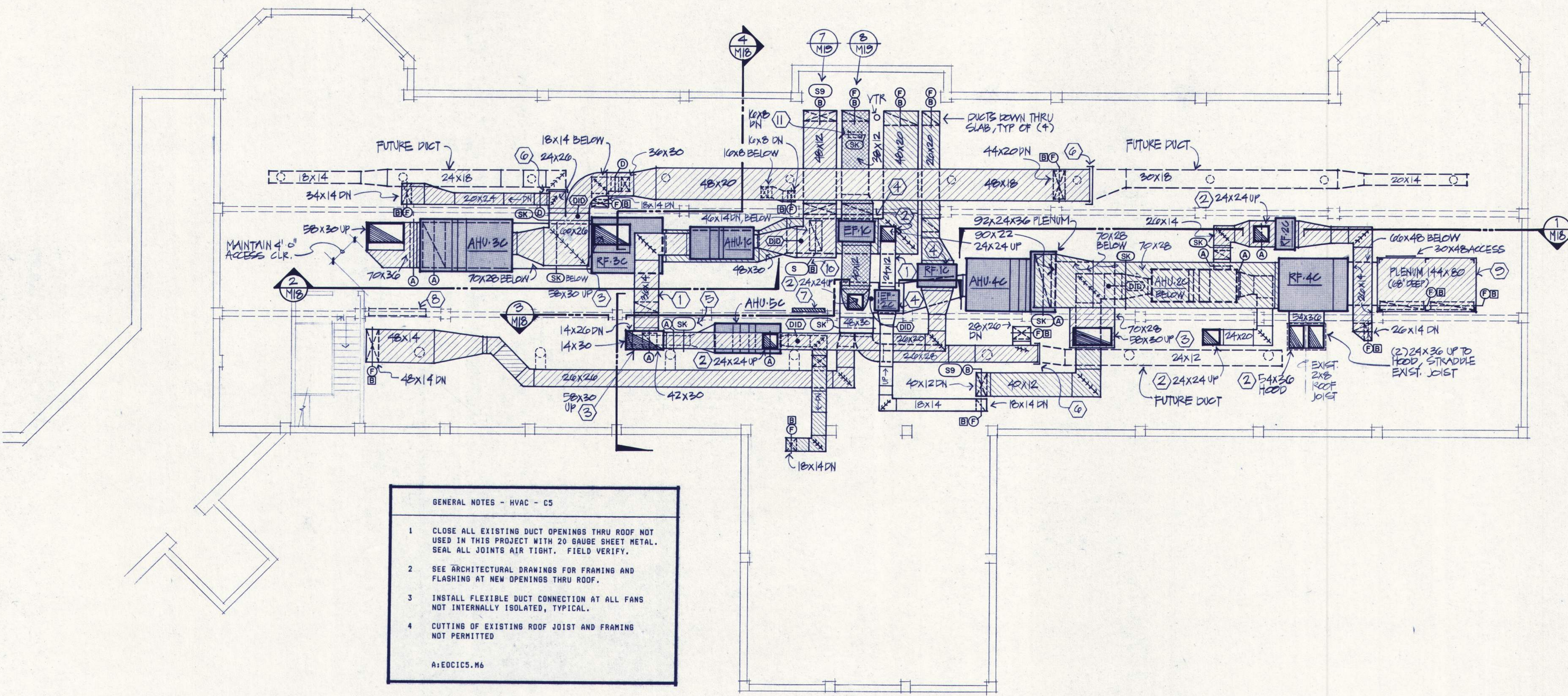
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
400 MARKET STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
187 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
889 S. W. LAUREL LEAF LANE, PORTLAND, OREGON 97225

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PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
883 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3249



GENERAL NOTES - HVAC - C5

- 1 CLOSE ALL EXISTING DUCT OPENINGS THRU ROOF NOT USED IN THIS PROJECT WITH 20 GAUGE SHEET METAL. SEAL ALL JOINTS AIR TIGHT. FIELD VERIFY.
- 2 SEE ARCHITECTURAL DRAWINGS FOR FRAMING AND FLASHING AT NEW OPENINGS THRU ROOF.
- 3 INSTALL FLEXIBLE DUCT CONNECTION AT ALL FANS NOT INTERNALLY ISOLATED, TYPICAL.
- 4 CUTTING OF EXISTING ROOF JOIST AND FRAMING NOT PERMITTED.

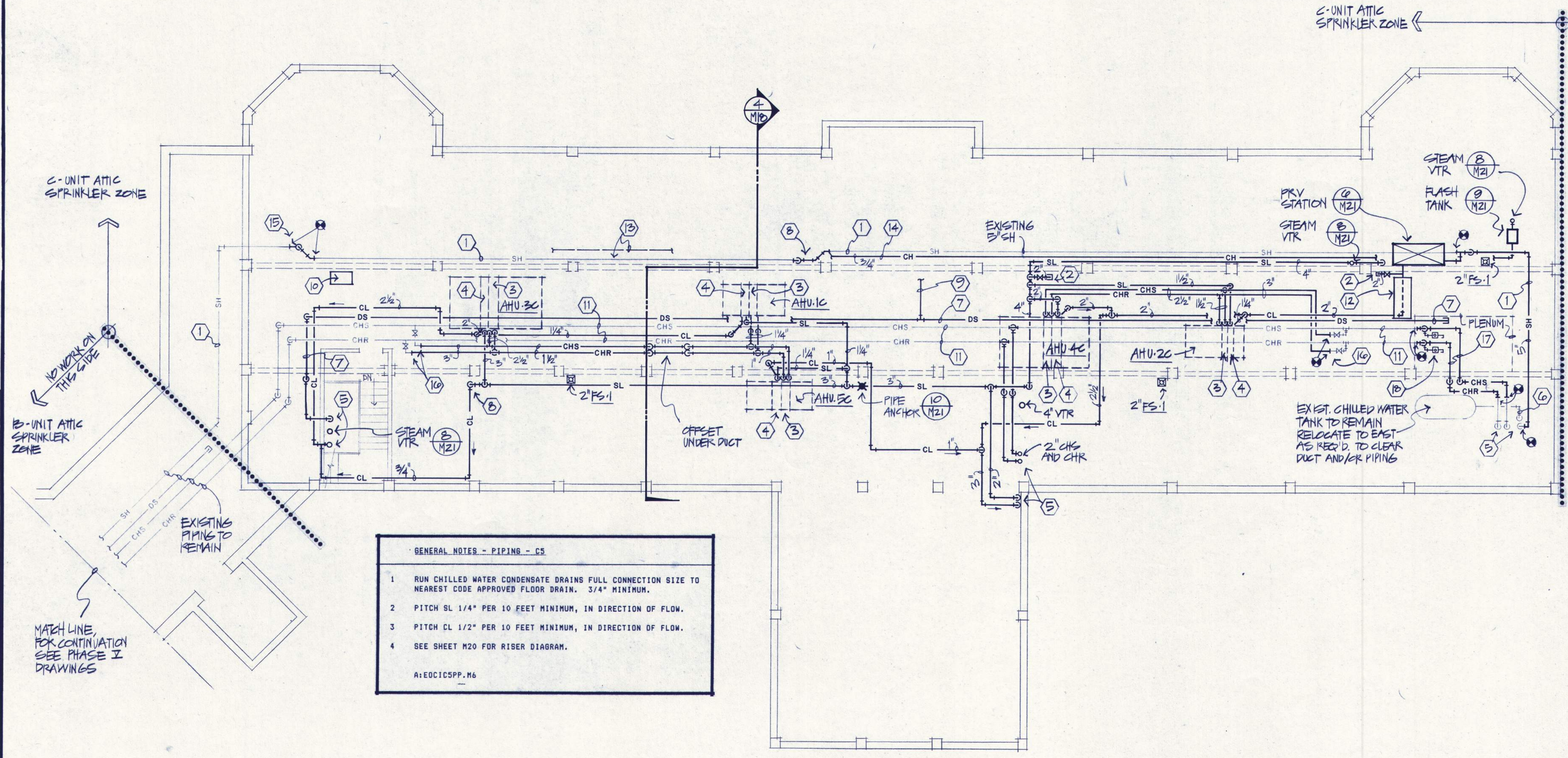
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HVAC NOTES - C UNIT, ATTIC SPACE

- 1 RUN DUCT AS HIGH AS POSSIBLE.
- 2 CONNECT TO NEW EXHAUST OR OUTSIDE HOOD ON ROOF. EXHAUST HOOD NECK SIZE SAME AS DUCT SIZE SHOWN, UNLESS NOTED OTHERWISE.
- 3 CONNECT TO EXISTING OPENING THRU ROOF. SEAL JOINTS AIR TIGHT.
- 4 FAN UNIT MOUNTED AS HIGH AS POSSIBLE, BOTTOM ACCESS.
- 5 AUTOMATIC SMOKE DAMPER IN RETURN DUCT.
- 6 CAP DUCT FOR FUTURE CONNECTION.
- 7 TEMPERATURE CONTROL PANEL, TCP-1.
- 8 MOTOR CONTROL CENTER, SEE ELECTRICAL DRAWINGS.
- 9 PLENUM CONSTRUCTION PER SMACNA HVAC DUCT CONSTRUCTION STANDARD, FIRST EDITION, 1985. FIGURE 6-3.
- 10 COMBINATION FIRE/SMOKE DAMPER. CONTROL UNDER FUTURE WORK BY ELECTRICAL DIVISION.
- 11 EXHAUST TAKE-OFF FOR FOURTH FLOOR. CAP DUCT AFTER SMOKE DAMPER(S). SK TO BE CONTROLLED SIMILAR TO 87 COMBINATION FIRE/SMOKE DAMPERS ON OTHER FLOORS. FUTURE PENETRATION: PROVIDE BARS AND FIRE DAMPER.

A:EDCIC5.M6

C5 ATTIC PLAN - HVAC
SCALE: 1/8" = 1'-0"



GENERAL NOTES - PIPING - C5

- 1 RUN CHILLED WATER CONDENSATE DRAINS FULL CONNECTION SIZE TO NEAREST CODE APPROVED FLOOR DRAIN. 3/4" MINIMUM.
- 2 PITCH SL 1/4" PER 10 FEET MINIMUM, IN DIRECTION OF FLOW.
- 3 PITCH CL 1/2" PER 10 FEET MINIMUM, IN DIRECTION OF FLOW.
- 4 SEE SHEET M20 FOR RISER DIAGRAM.

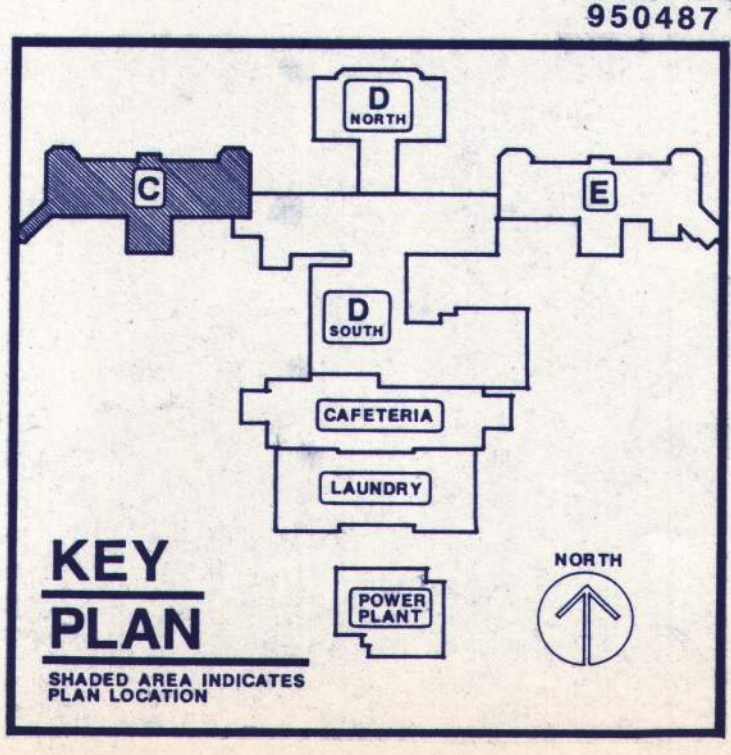
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PIPING NOTES - C UNIT - ATTIC SPACE

- 1 EXISTING STEAM LINE. INSULATE ENTIRE EXISTING STEAM LINE WITH NEW INSULATION AS SPECIFIED.
- 2 VALVE AND CAP SL AND CL PIPE FOR FUTURE CONNECTION.
- 3 FOR COOLING COIL PIPING, SEE DETAIL 3 ON SHEET M21 OR 4 ON SHEET M21 AS REQUIRED BY COIL SCHEDULE.
- 4 FOR STEAM COIL PIPING, SEE DETAIL 2 ON SHEET M21.
- 5 PIPING FROM 1ST LEVEL. FOR CONTINUATION ON FLOOR BELOW, SEE C-UNIT PLUMBING PLAN ON SHEET M6.
- 6 EXISTING CHS EXPANSION TANK LINE TO FIRST FLOOR CHILLER ROOM.
- 7 NEW SPRINKLER MAIN, HIGH IN ATTIC.
- 8 STEAM DRIP LEG. SEE DETAIL 7 ON SHEET M21.
- 9 SPRINKLER BRANCH PIPING, TYPICAL. COORDINATE WITH OTHER SERVICES IN ATTIC.
- 10 AIR COMPRESSOR FOR DRY SPRINKLER SYSTEM IN ATTIC.
- 11 EXISTING 6" CHS AND CHR IN PEAK OF ATTIC.
- 12 INSTALL RAMP OVER PIPING.
- 13 RELOCATE EXISTING SH LINE TO NEW LOCATION SHOWN.
- 14 HIGH PRESSURE CONDENSATE FROM DRIP LEG.
- 15 RECONNECT SH LINE.
- 16 CONNECT NEW CHS AND CHR PIPING TO EXISTING VALVED STUB-OUTS.
- 17 CHS AND CHR ABOVE PLENUM.
- 18 MANUAL AIR VENT. INSTALL AT ALL HIGH POINTS OF PIPING.

A:EDCIC5PP.M6

C5 ATTIC PLAN - PIPING
SCALE: 1/8" = 1'-0"



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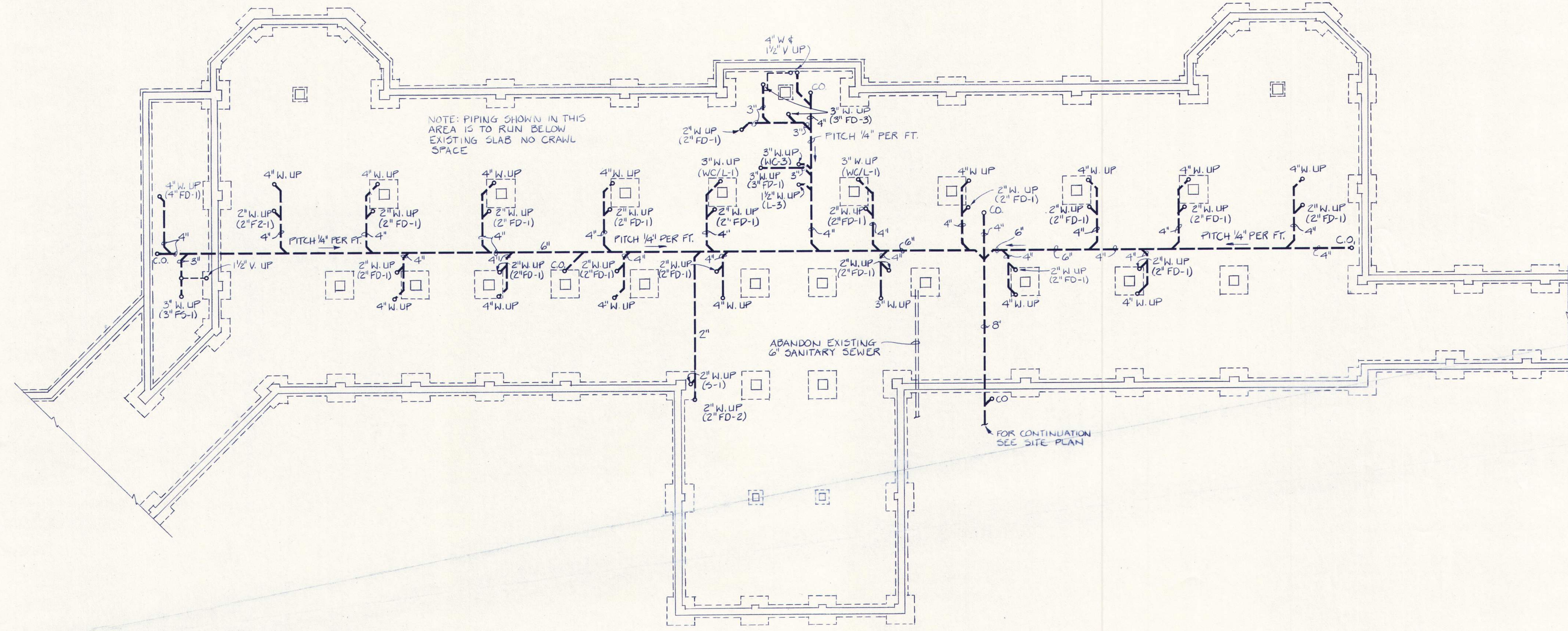
M6



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
400 MARKET STREET, PORTLAND, OREGON 97204

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
107 OAK STREET, EUGENE, OREGON 97401

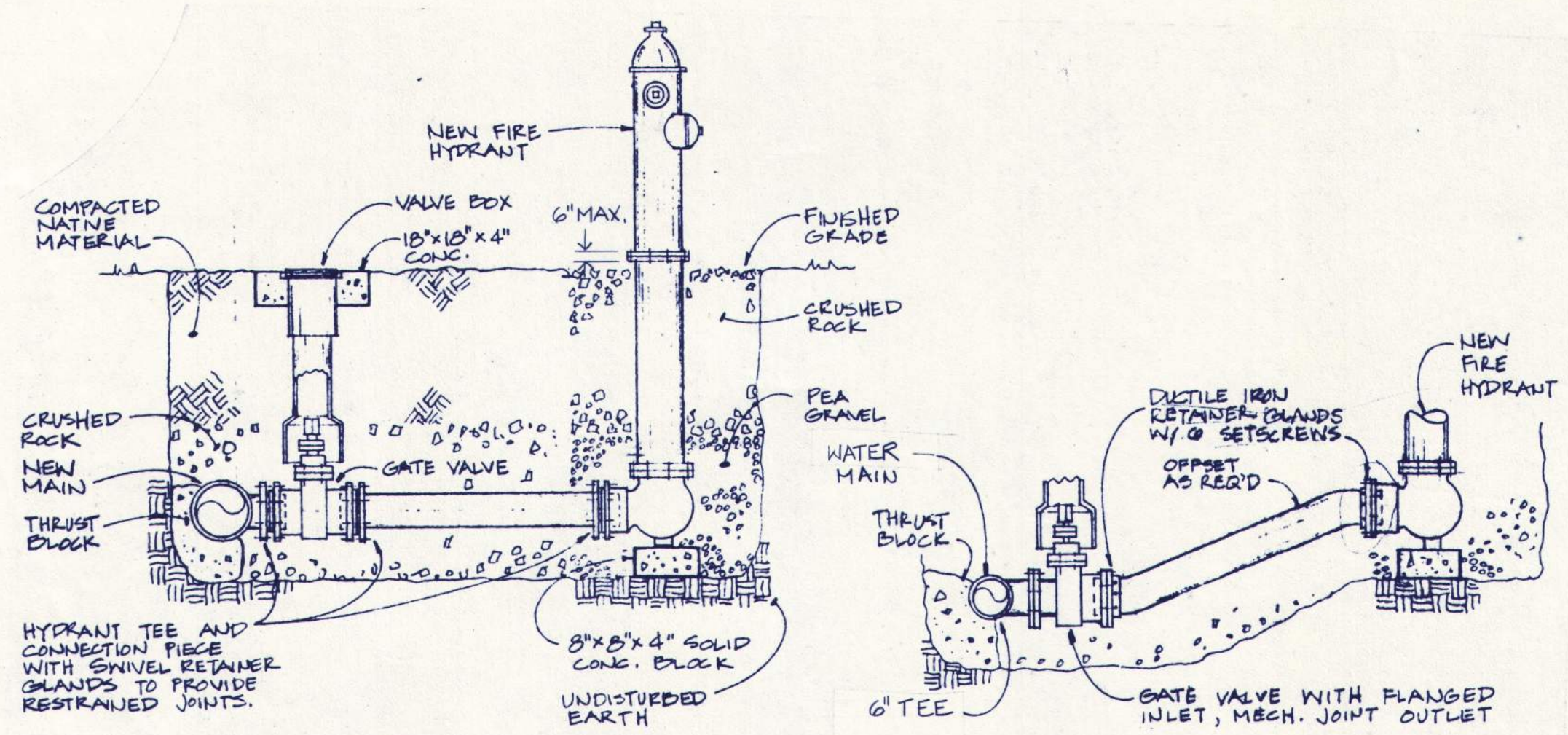
FRANK HONEY
STRUCTURAL ENGINEER
699 E. W. LAMAR, LEWIS & CLARK, PORTLAND, OREGON 97204



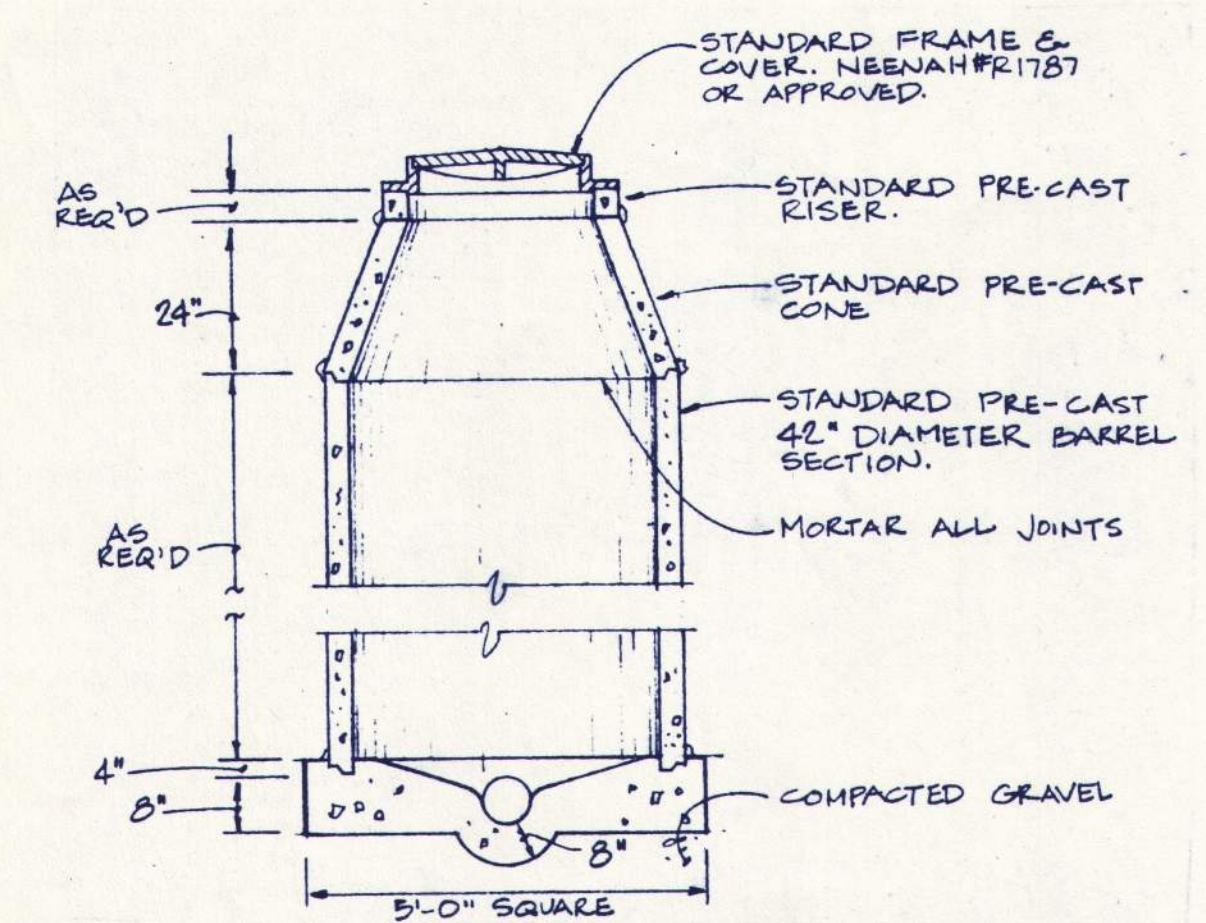
NOTE: PIPING SHOWN IN THIS AREA IS TO RUN BELOW EXISTING SLAB NO CRAWL SPACE

ABANDON EXISTING 6\"/>

FOR CONTINUATION SEE SITE PLAN

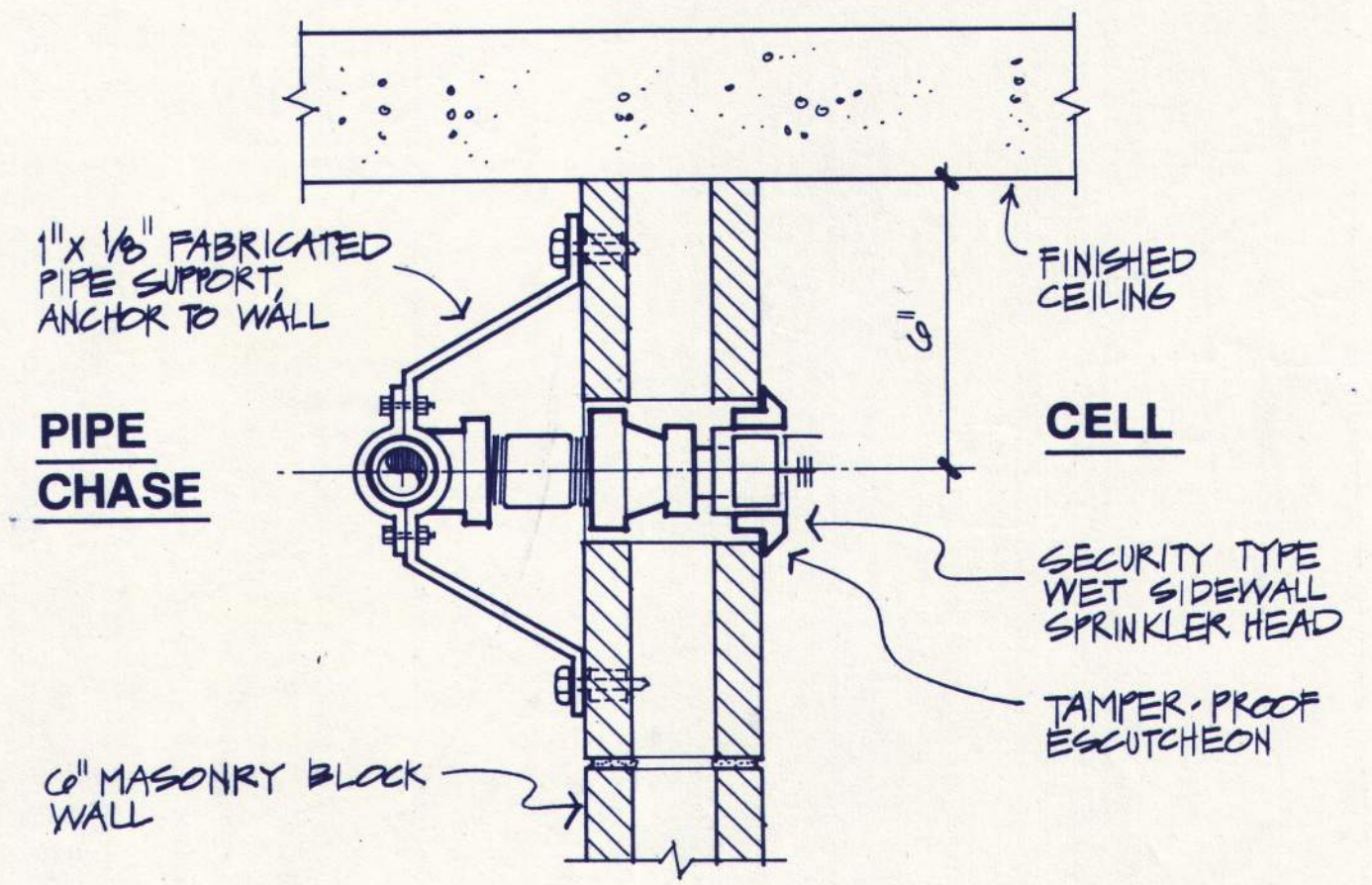


1 FIRE HYDRANT DETAILS

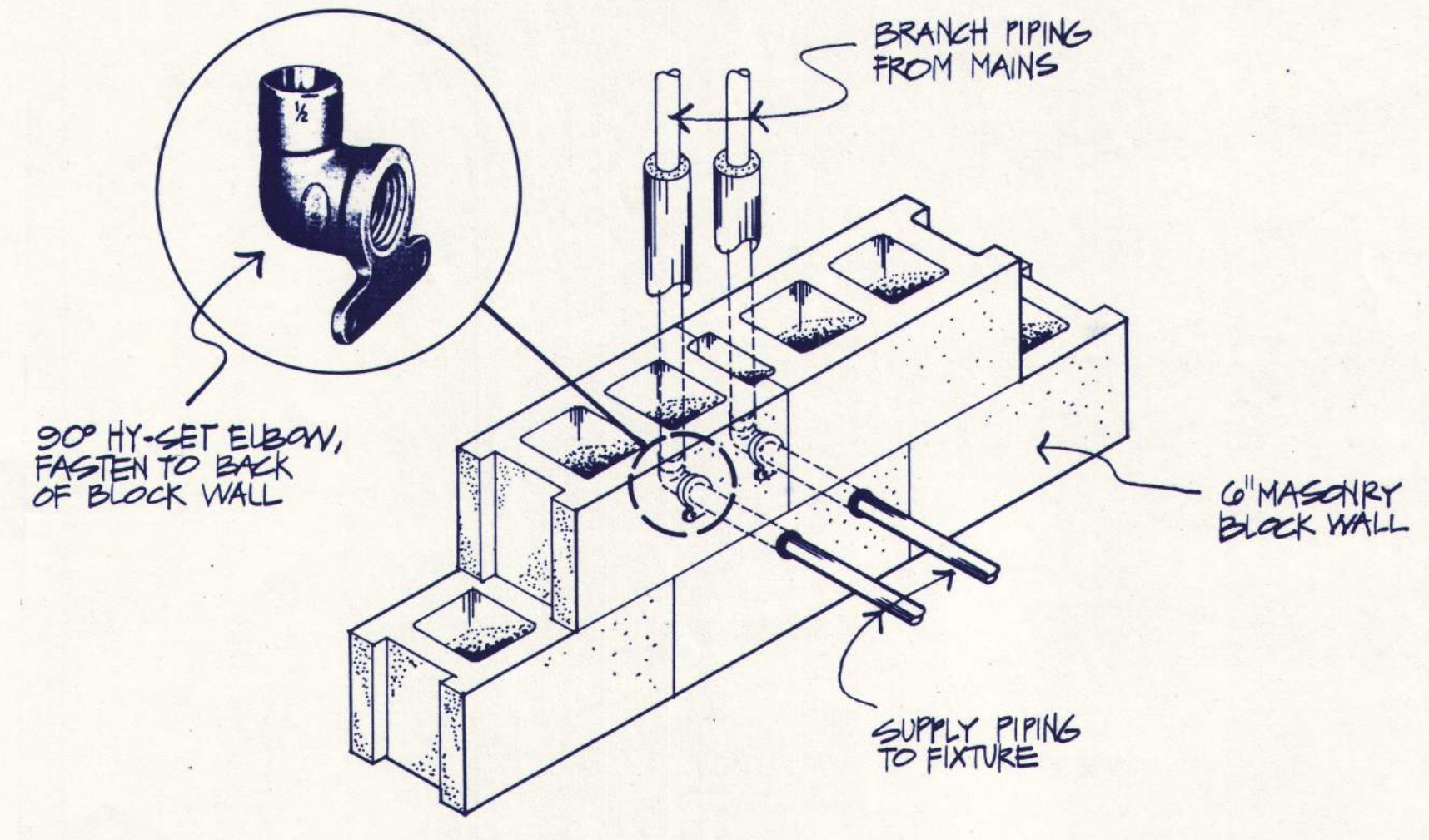


2 MANHOLE DETAIL

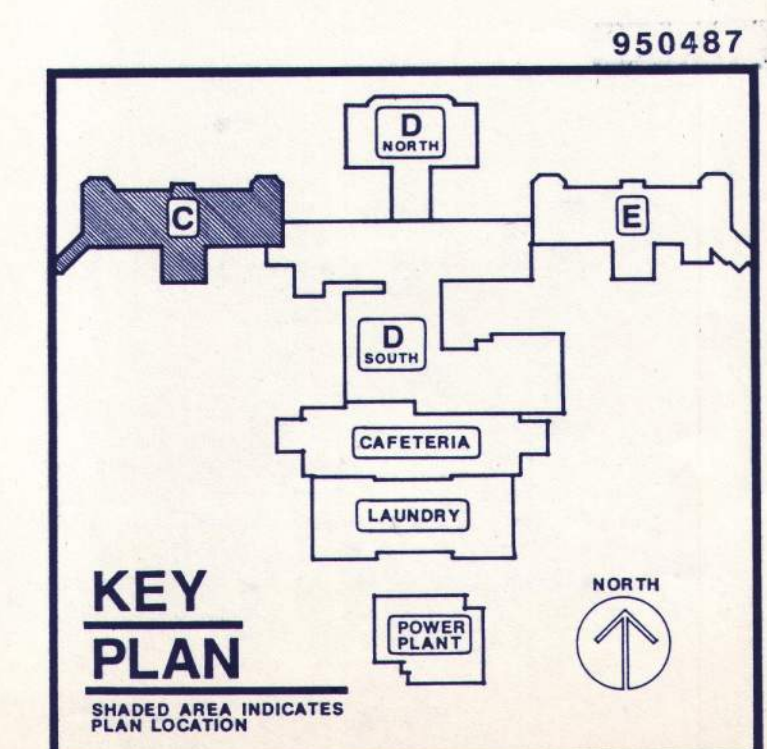
C FOUNDATION PLAN - PLUMBING
SCALE 1/8" = 1'-0"



3 SIDEWALL SPRINKLER HEAD
NO SCALE



4 DOMESTIC WATER PIPE SUPPORT
NO SCALE



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WEGROUP pc / ARCHITECTS & PLANNERS

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883 THIRTIETH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3549

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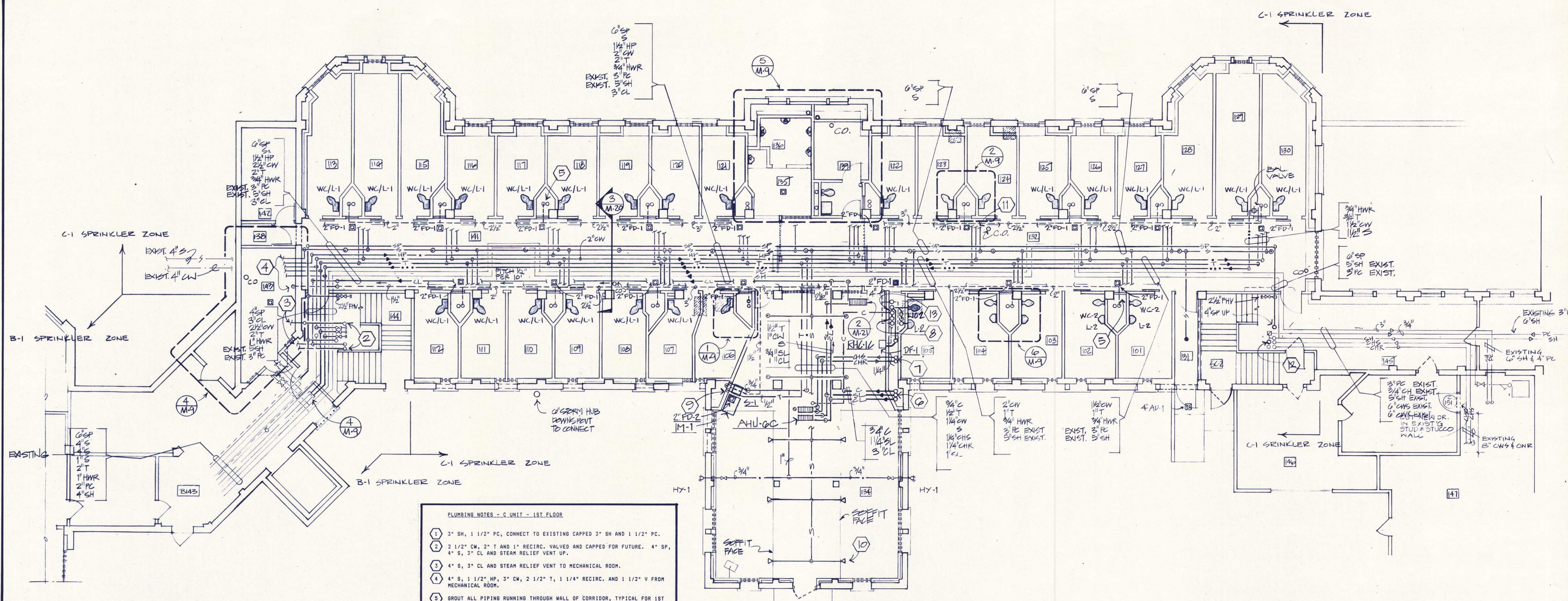
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MECHANICAL & ELECTRICAL ENGINEERS
805 HENRIEY STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LLOYD BOND
1407 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
899 S. W. LAUREL LEAF LANE, PORTLAND, OREGON 97223

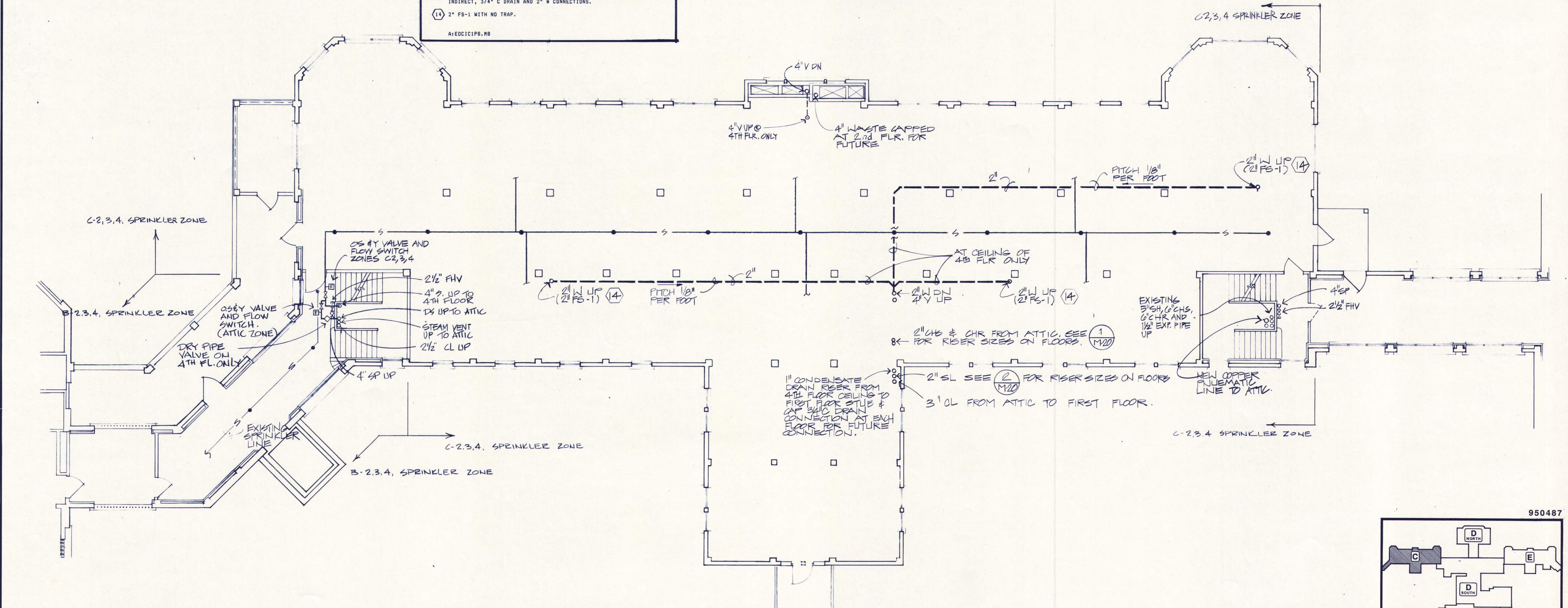
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OREGON STATE CORRECTIONS DIVISION
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680 THIRTIETH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3249

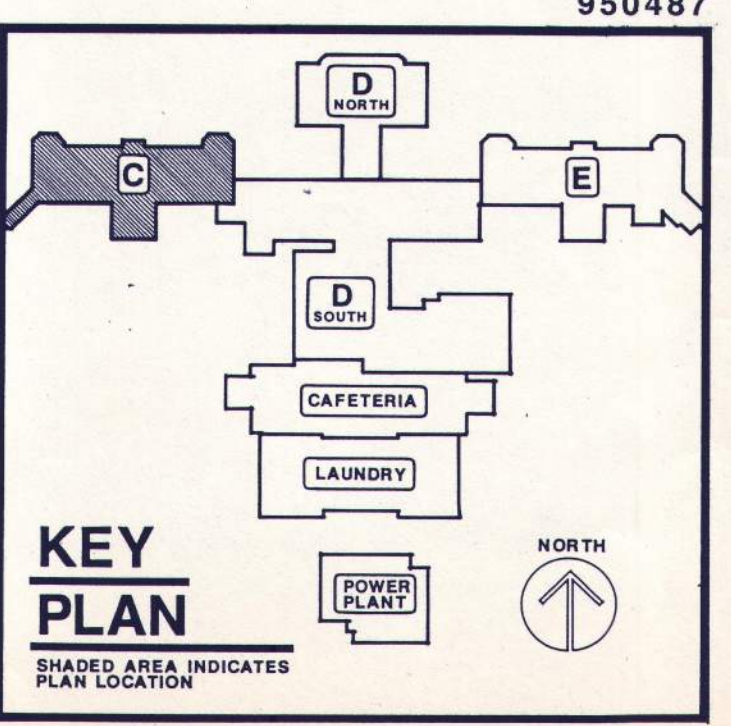


- PLUMBING NOTES - C UNIT - 1ST FLOOR
- 1) 3" SH, 1 1/2" PC, CONNECT TO EXISTING CAPPED 3" SH AND 1 1/2" PC.
 - 2) 1 1/2" CW, 2" T AND 1" RECIRC. VALVED AND CAPPED FOR FUTURE. 4" SP, 4" S, 3" CL AND STEAM RELIEF VENT UP.
 - 3) 4" S, 3" CL AND STEAM RELIEF VENT TO MECHANICAL ROOM.
 - 4) 4" S, 1 1/2" UP, 3" CW, 2 1/2" T, 1 1/4" RECIRC. AND 1 1/2" V FROM MECHANICAL ROOM.
 - 5) BRUIT ALL PIPING RUNNING THROUGH WALL OF CORRIDOR, TYPICAL FOR 1ST FLOOR ONLY.
 - 6) 3/4" DRAIN, 1 1/4" SL AND 3" CL FROM ATTIC ABOVE.
 - 7) 1 1/4" CHS AND CHR FROM ATTIC ABOVE.
 - 8) 4" VENT AND 2" WASTE UP.
 - 9) PROVIDE VALVED 1/2" CW FROM INSIDE OF BASE CABINET TO IN-1.
 - 10) INDICATES SIDENALL SPRINKLER HEADS IN FACE OF SOFFIT.
 - 11) 3/4" T, 1 1/2" CW AND 1 1/2" S TO CELL CHASE, TYPICAL.
 - 12) EXISTING 3" SH, 4" CHS AND CHR AND 1 1/2" PIPE FROM EXPANSION TANK. PROVIDE NEW COPPER PNEUMATIC LINE TO ATTIC.
 - 13) PROVIDE 4" TRAPPED OPEN HUB DRAIN NEAR CEILING IN 4" STACK FOR INDIRECT, 3/4" C DRAIN AND 2" W CONNECTIONS.
 - 14) 2" FS-1 WITH NO TRAP.
- A1E0CIC1P6.M8

C1 FLOOR PLAN PLUMBING
SCALE 1/8" = 1'-0"

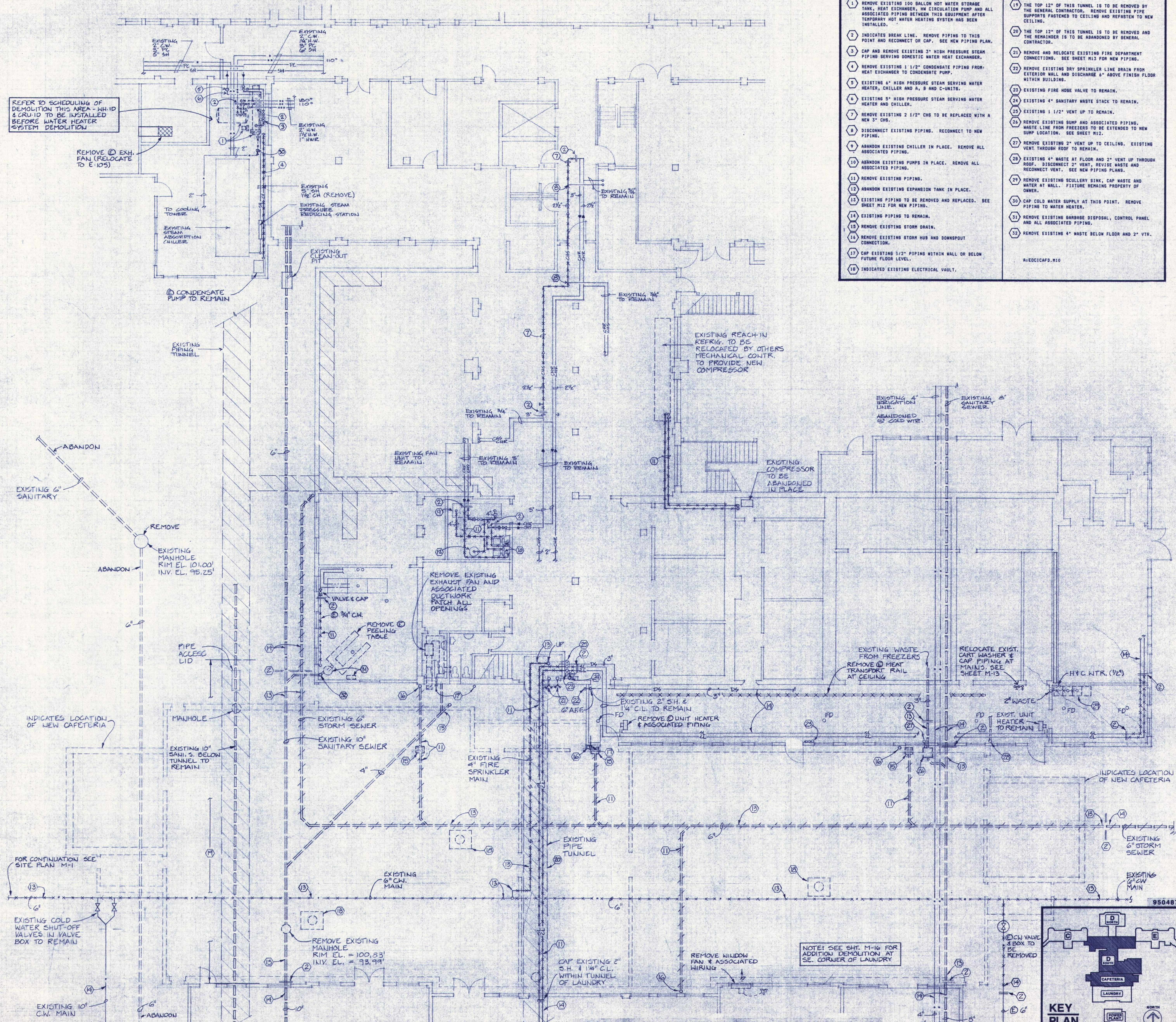


C2,3,4 FLOOR PLAN PLUMBING
SCALE 1/8" = 1'-0"



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M8



REFER TO SCHEDULING OF DEMOLITION THIS AREA - WH-10 & GR-110 TO BE INSTALLED BEFORE WATER HEATER SYSTEM DEMOLITION

REMOVE EXH. FAN (RELOCATE TO E-105)

EXISTING 2" H.W. 1" H.W.C.
EXISTING 1/2" CH (REMOVE)
EXISTING STEAM PRESSURE REDUCING STATION

EXISTING 3/4" TO REMAIN

EXISTING REACH-IN REFRIG. TO BE RELOCATED BY OTHERS MECHANICAL CONTR. TO PROVIDE NEW COMPRESSOR

REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK PATCH ALL OPENINGS

EXISTING COMPRESSOR TO BE ABANDONED IN PLACE

EXISTING WASTE FROM FREEZERS REMOVE MEAT TRANSPORT RAIL AT CEILING

RELOCATE EXIST. CART WASHER & CAP PIPING AT TRAINING SEE SHEET M-13

INDICATES LOCATION OF NEW CAFETERIA

INDICATES LOCATION OF NEW CAFETERIA

FOR CONTINUATION SEE SITE PLAN M-1

EXISTING COLD WATER SHUT-OFF VALVES IN VALVE BOX TO REMAIN

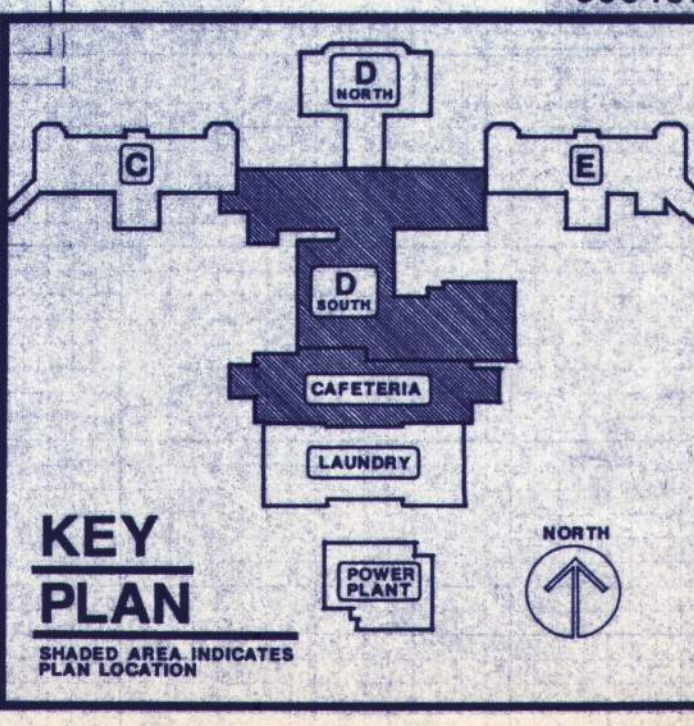
REMOVE EXISTING MANHOLE RIM EL. = 100.83' INV. EL. = 93.99'

CAP EXISTING 2" S.H. & 1/4" C.L. WITHIN TUNNEL OF LAUNDRY

REMOVE WINDOW FAN & ASSOCIATED WIRING

NOTE: SEE SHT. M-16 FOR ADDITION DEMOLITION AT SE. CORNER OF LAUNDRY

EXISTING 2" CW VALVE & BOX TO BE REMOVED



- DEMOLITION NOTES - CAFETERIA/D-UNIT**
- 1 REMOVE EXISTING 100 GALLON HOT WATER STORAGE TANK, HEAT EXCHANGER, IN CIRCULATION PUMP AND ALL ASSOCIATED PIPING BETWEEN THIS EQUIPMENT AFTER TEMPORARY HOT WATER HEATING SYSTEM HAS BEEN INSTALLED.
 - 2 INDICATES BREAK LINE. REMOVE PIPING TO THIS POINT AND RECONNECT OR CAP. SEE NEW PIPING PLAN.
 - 3 CAP AND REMOVE EXISTING 3" HIGH PRESSURE STEAM PIPING SERVING DOMESTIC WATER HEAT EXCHANGER.
 - 4 REMOVE EXISTING 1 1/2" CONDENSATE PIPING FROM HEAT EXCHANGER TO CONDENSATE PUMP.
 - 5 EXISTING 4" HIGH PRESSURE STEAM SERVING WATER HEATER, CHILLER AND A, B AND C-UNITS.
 - 6 EXISTING 5" HIGH PRESSURE STEAM SERVING WATER HEATER AND CHILLER.
 - 7 REMOVE EXISTING 2 1/2" CHS TO BE REPLACED WITH A NEW 3" CHS.
 - 8 DISCONNECT EXISTING PIPING. RECONNECT TO NEW PIPING.
 - 9 ABANDON EXISTING CHILLER IN PLACE. REMOVE ALL ASSOCIATED PIPING.
 - 10 ABANDON EXISTING PUMPS IN PLACE. REMOVE ALL ASSOCIATED PIPING.
 - 11 REMOVE EXISTING PIPING.
 - 12 ABANDON EXISTING EXPANSION TANK IN PLACE.
 - 13 EXISTING PIPING TO BE REMOVED AND REPLACED. SEE SHEET M12 FOR NEW PIPING.
 - 14 EXISTING PIPING TO REMAIN.
 - 15 REMOVE EXISTING STORM DRAIN.
 - 16 REMOVE EXISTING STORM HUB AND DOWNSPOUT CONNECTION.
 - 17 CAP EXISTING 1/2" PIPING WITHIN WALL OR BELOW FUTURE FLOOR LEVEL.
 - 18 INDICATED EXISTING ELECTRICAL VAULT.
 - 19 THE TOP 12" OF THIS TUNNEL IS TO BE REMOVED BY THE GENERAL CONTRACTOR. REMOVE EXISTING PIPE SUPPORTS FASTENED TO CEILING AND REFASTEN TO NEW CEILING.
 - 20 THE TOP 12" OF THIS TUNNEL IS TO BE REMOVED AND THE REMAINDER IS TO BE ABANDONED BY GENERAL CONTRACTOR.
 - 21 REMOVE AND RELOCATE EXISTING FIRE DEPARTMENT CONNECTIONS. SEE SHEET M13 FOR NEW PIPING.
 - 22 REMOVE EXISTING DRY SPRINKLER LINE DRAIN FROM EXTERIOR WALL AND DISCHARGE 4" ABOVE FINISH FLOOR WITHIN BUILDING.
 - 23 EXISTING FIRE HOSE VALVE TO REMAIN.
 - 24 EXISTING 4" SANITARY WASTE STACK TO REMAIN.
 - 25 EXISTING 1 1/2" VENT UP TO REMAIN.
 - 26 REMOVE EXISTING SUMP AND ASSOCIATED PIPING. WASTE LINE FROM FREEZERS TO BE EXTENDED TO NEW SUMP LOCATION. SEE SHEET M12.
 - 27 REMOVE EXISTING 2" VENT UP TO CEILING. EXISTING VENT THROUGH ROOF TO REMAIN.
 - 28 EXISTING 4" WASTE AT FLOOR AND 2" VENT UP THROUGH ROOF. DISCONNECT 2" VENT. REVISE WASTE AND RECONNECT VENT. SEE NEW PIPING PLANS.
 - 29 REMOVE EXISTING SCULLERY SINK, CAP WASTE AND WATER AT WALL. FUTURE REMAIN PROPERTY OF OWNER.
 - 30 CAP COLD WATER SUPPLY AT THIS POINT. REMOVE PIPING TO WATER HEATER.
 - 31 REMOVE EXISTING GARBAGE DISPOSAL, CONTROL PANEL AND ALL ASSOCIATED PIPING.
 - 32 REMOVE EXISTING 4" WASTE BELOW FLOOR AND 2" VTR.

CAFETERIA SITE AND D-UNIT, DEMOLITION
SCALE: 1/8" = 1'-0"

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BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
1000 NE MARKET STREET, PORTLAND, OREGON 97232

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1827 OAK STREET
EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
408 S.W. CORVALLIS AVENUE, PORTLAND, OREGON 97209

REGISTERED PROFESSIONAL ENGINEER
8108
JULY 22, 1982
KEITH HUBBARD

APPROVED
DRAWN: 2/10/82
DATE: 8/1/82
JOB: M10



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MECHANICAL & ELECTRICAL ENGINEERS
400 MARSHALL STREET, EUGENE, OREGON 97401

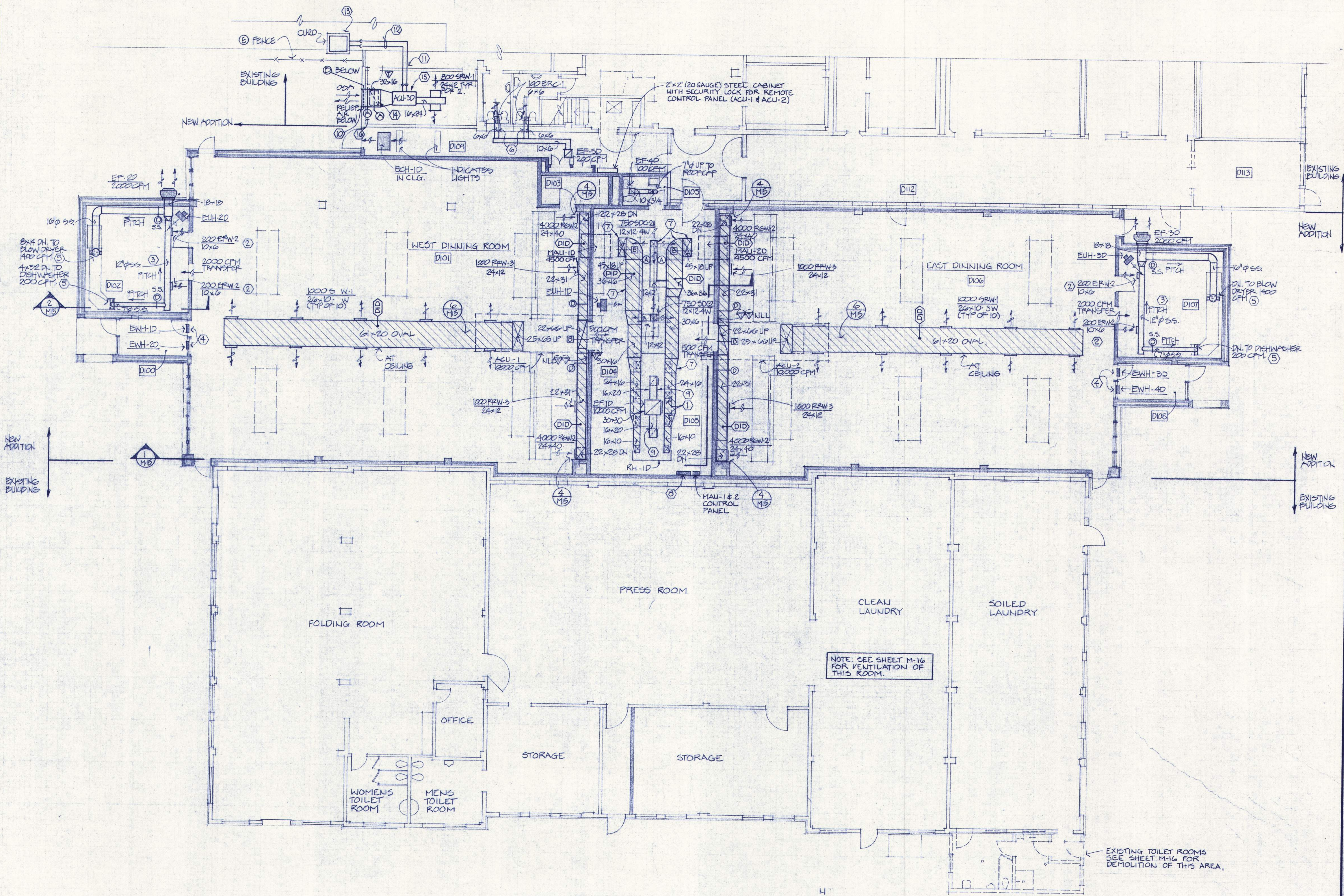
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1401 1/2 COMMERCE STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
840 E. W. LAMBLE LEAF LANE, PORTLAND, OREGON 97225

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603 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

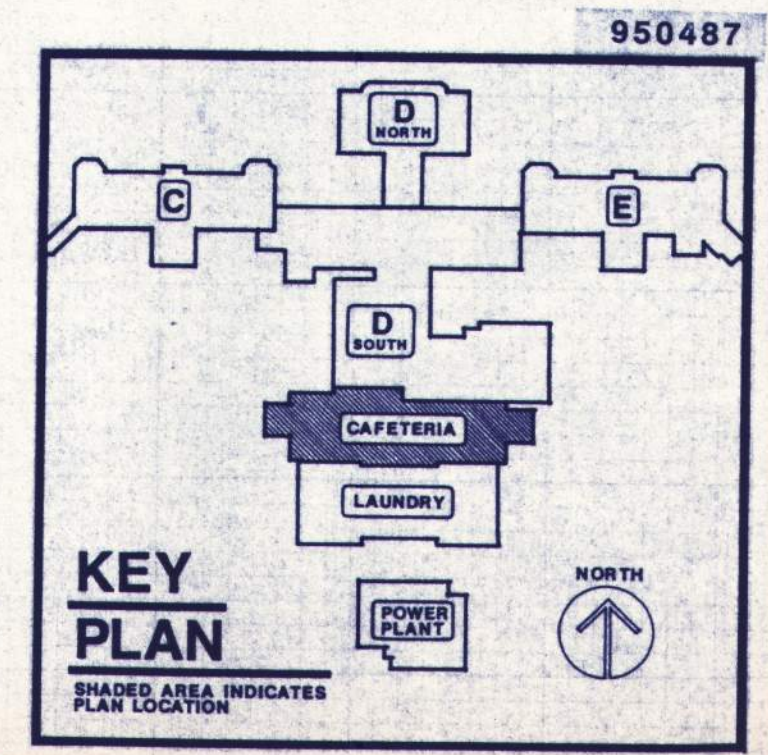


CAFETERIA FLOOR PLAN - HVAC

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



FIRST FLOOR HVAC CAFETERIA PLAN NOTES	
1	16 X 10 SUPPLY TO KITCHEN EXHAUST HOOD. 938 CFM EA., TYPICAL FOR 8.
2	CONNECTING COLLAR IS TO BE FULL SIZE, EQUAL TO THE OUTSIDE DIMENSION OF THE REGISTER FACE.
3	ALL EXHAUST DUCTWORK IN THIS AREA TO BE STAINLESS STEEL WITH WELDED SEAMS.
4	ELECTRIC WALL HEATERS RECESSED IN BEAM NEAR CEILING. SEE ARCH. DETAIL 7 / A19.
5	CONNECT TO DISHWASHER.
6	CUT NEW OPENINGS IN WALL ABOVE CEILING.
7	DOUBLE WALL DUCT WITH 1" FIBERGLASS FILLER & STANDING SEAMS FOR ALL MAU 1D & 20 SUPPLY DUCT.
8	RANGE HOOD CONTROL PANEL AND FIRE PROTECTION QUENCHER PANEL.
9	SLOPE DUCT TOWARD HOOD OUTLET.
10	OUTSIDE AIR & RELIEF AIR LOUVER. OVERALL SIZE 32" X 32". REMOVE EXISTING WINDOW AND FRAMING. INSTALL LOUVER AND FRAME AROUND AS REQUIRED WITH WOOD BLOCKING. SEAL INSTALLATION WEATHERTIGHT. ATTACH 32 X 16 PLENUM TO UPPER HALF OF LOUVER. INSTALL 32 X 16 RELIEF AIR BACKDRAFT DAMPER TO LOWER HALF HALF OF LOUVER.
11	PIPE PENETRATION THROUGH WALL UNDERSIDE OF EXISTING CEILING. CORE DRILL WALL AND SEAL PENETRATION AROUND PIPES WITH AN APPROVED FIRE RATED SEALANT. INSTALL ESCUTCHEON PLATE AT ALL WALL PENETRATIONS.
12	REFRIGERANT PIPING HIGH IN SPACE, TYPICAL. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. INSTALL OIL TRAP ON ALL SUCTION RISERS AND PITCH SUCTION LINE TOWARD COMPRESSOR.
13	4" THICK CONCRETE PAD ON GRADE PROVIDED BY MECHANICAL CONTRACTOR.
14	AUTOMATIC RETURN AIR INTAKE DAMPER UNDERSIDE OF PLENUM.
15	SUSPEND UNIT FROM ROOF STRUCTURE ABOVE. MOUNT UNIT AS HIGH AS POSSIBLE.
16	OUTSIDE AIR DAMPER.



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BALZHISER, HUBBARD ASSOCIATES
ELECTRICAL ENGINEERS
400 MARKET STREET, EUGENE, OREGON 97401

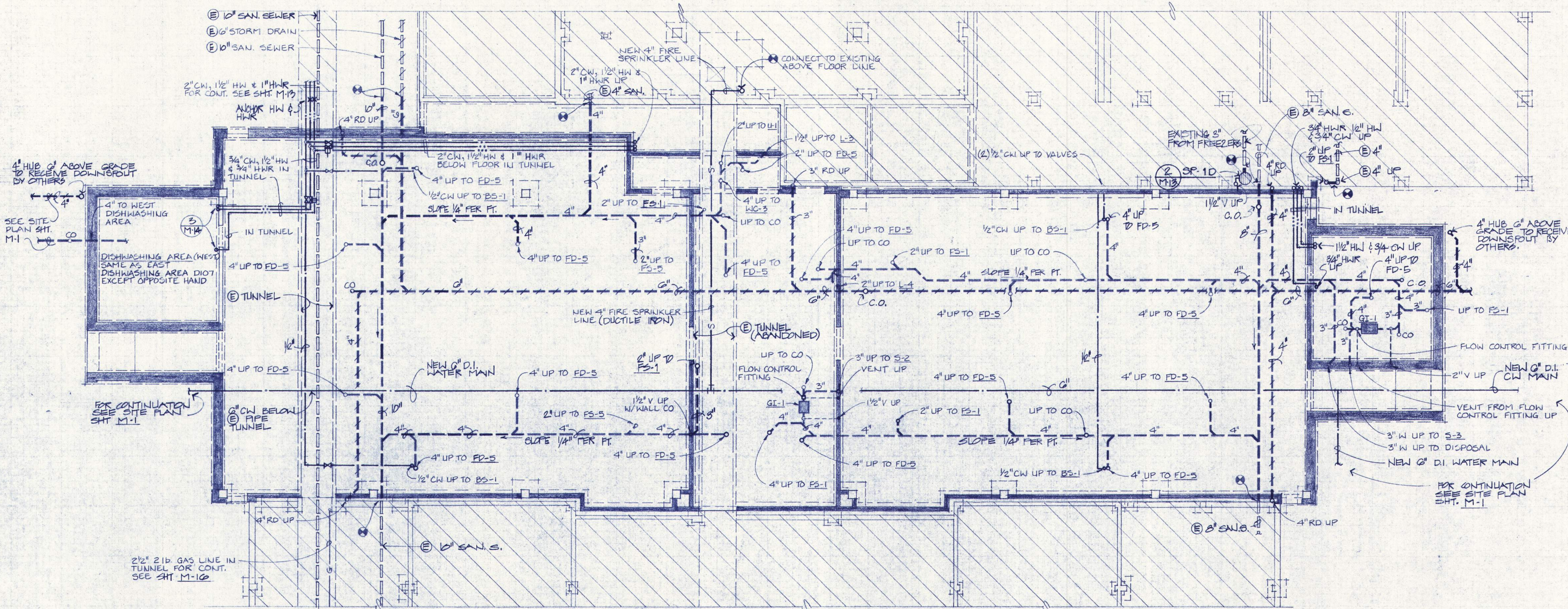
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1807 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
100 S.W. CORNER, UNIT, CORVALLIS, OREGON 97331

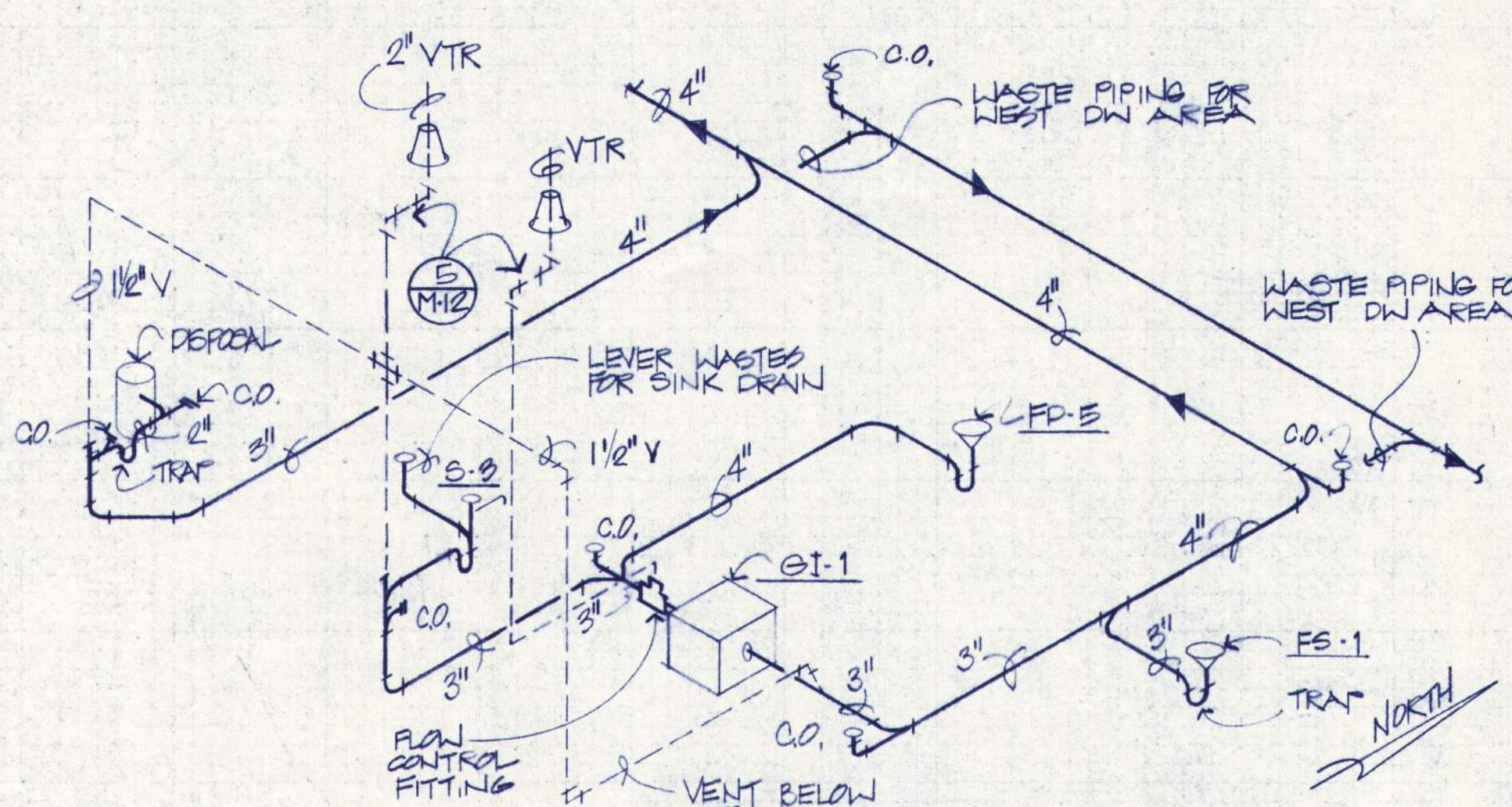
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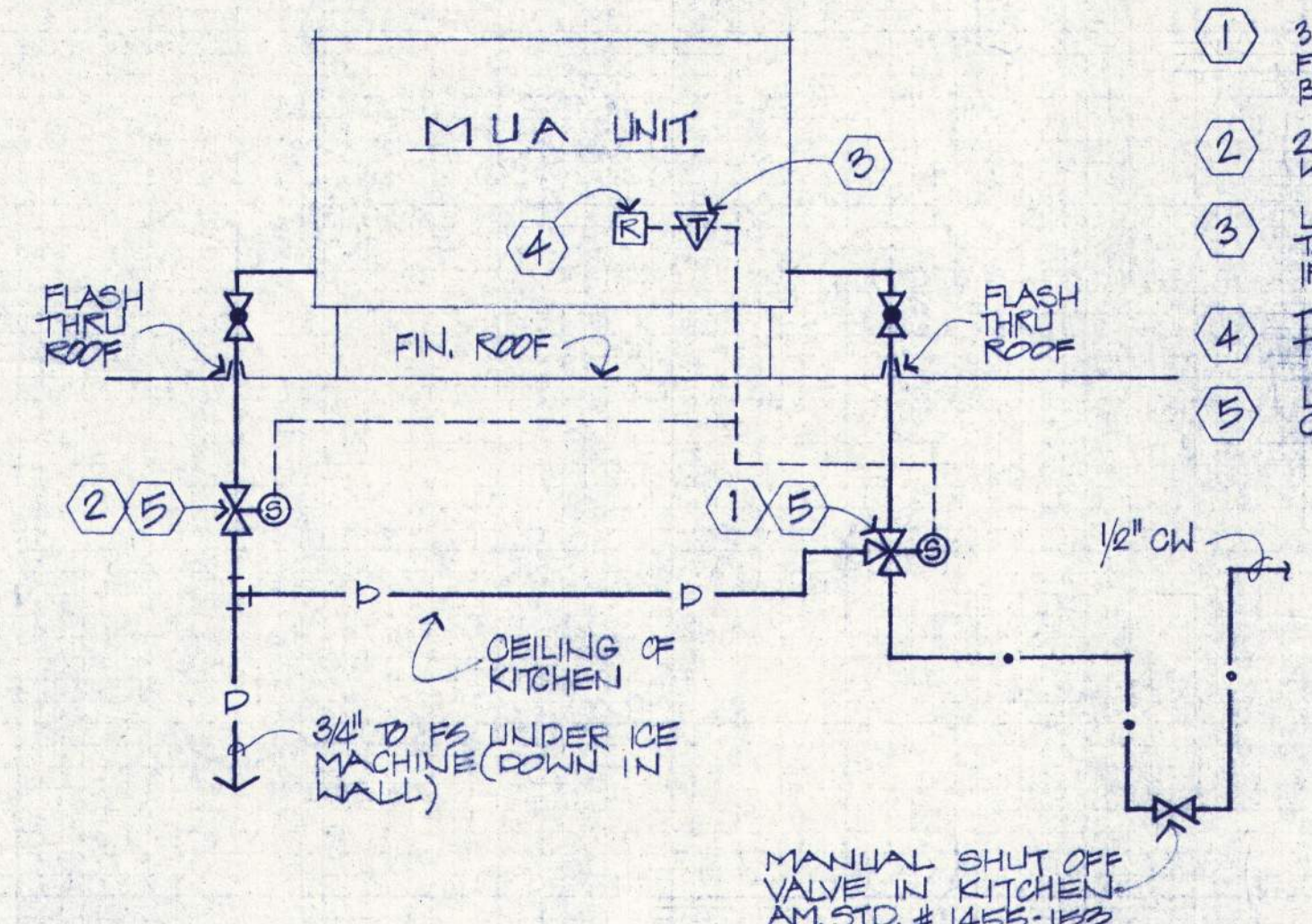
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883 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249



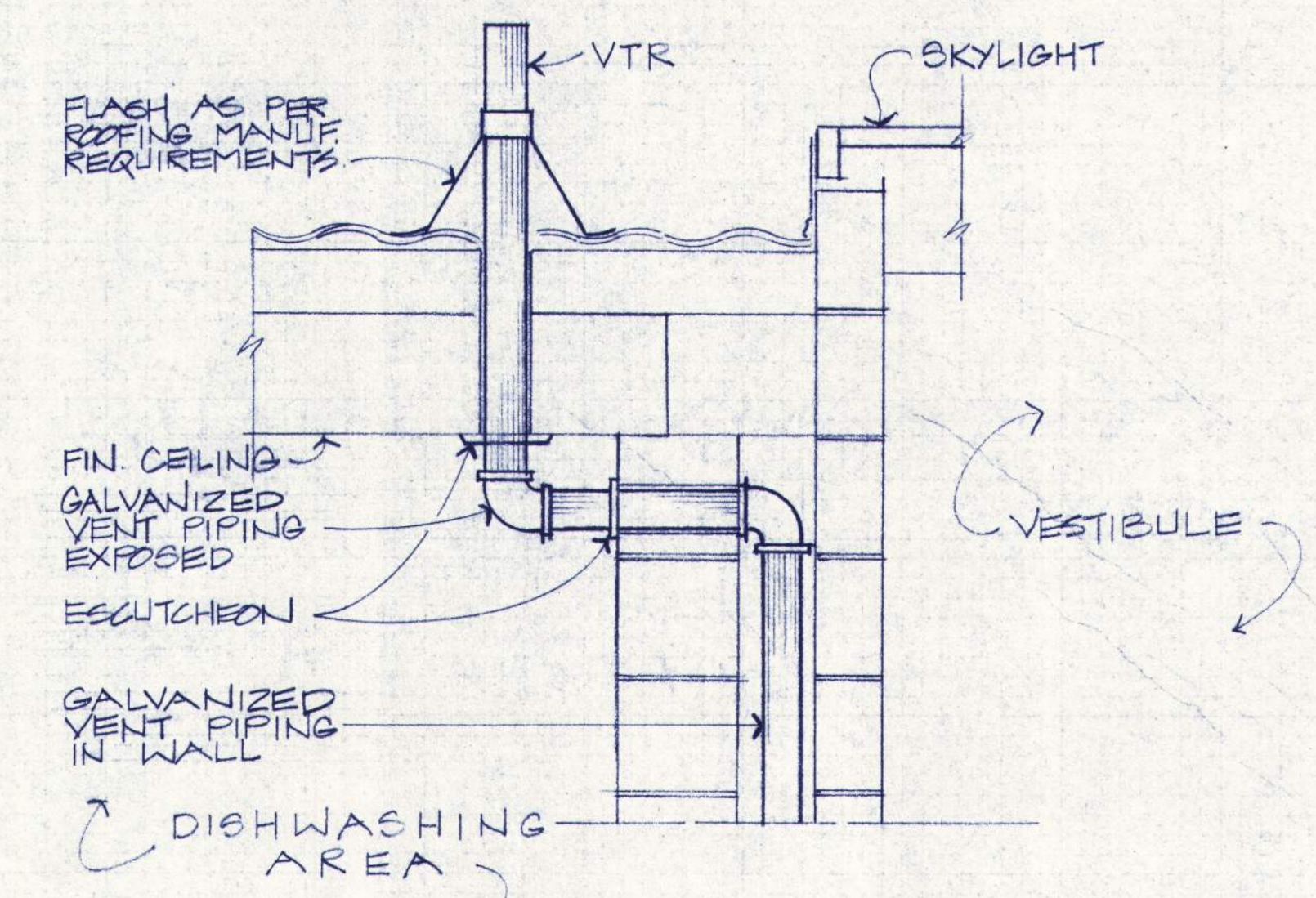
CAFETERIA FOUNDATION PLAN
1/8\"/>



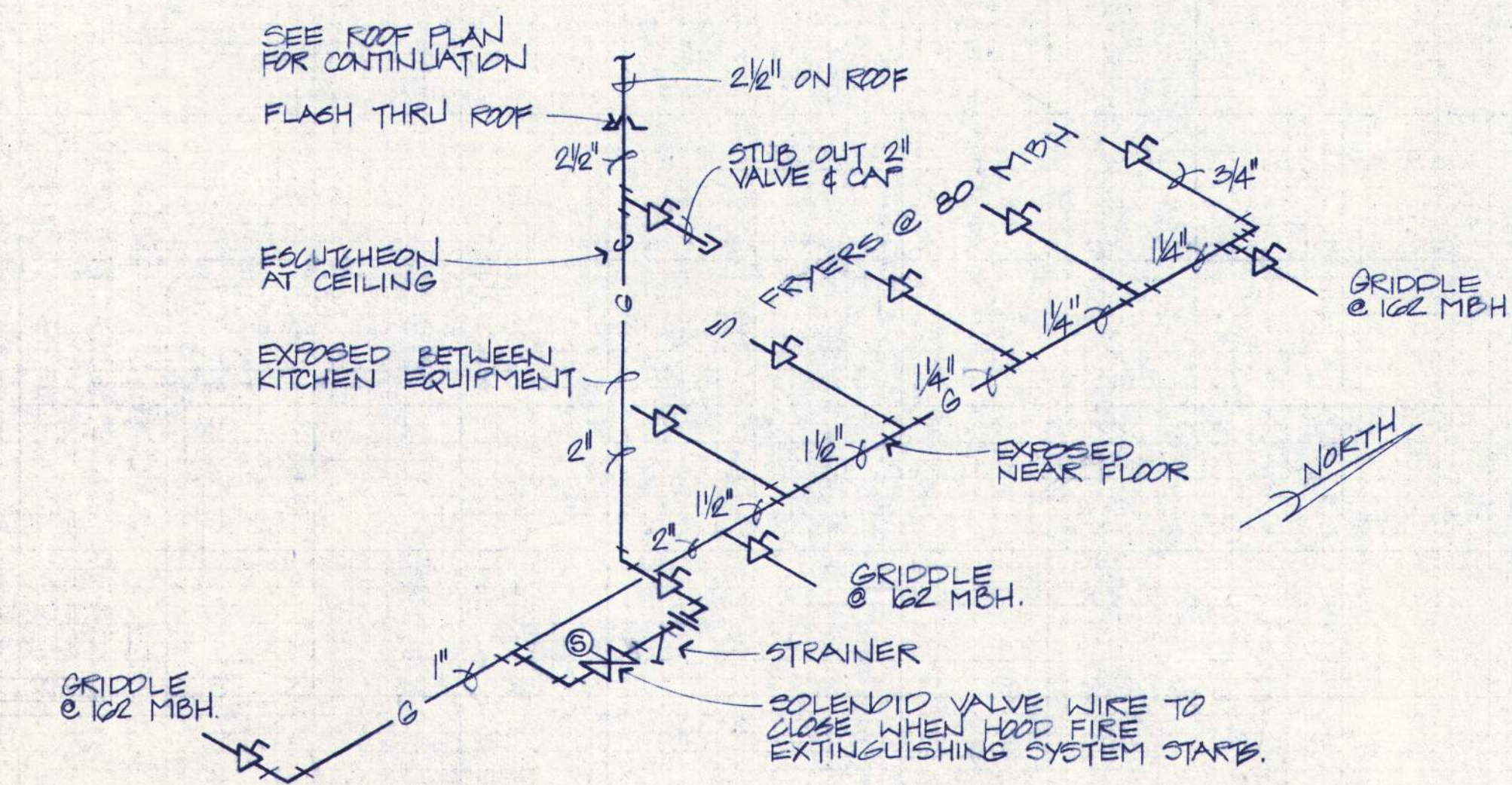
1 WASTE VENT SCHEMATIC EAST DISHWASHING
NO SCALE



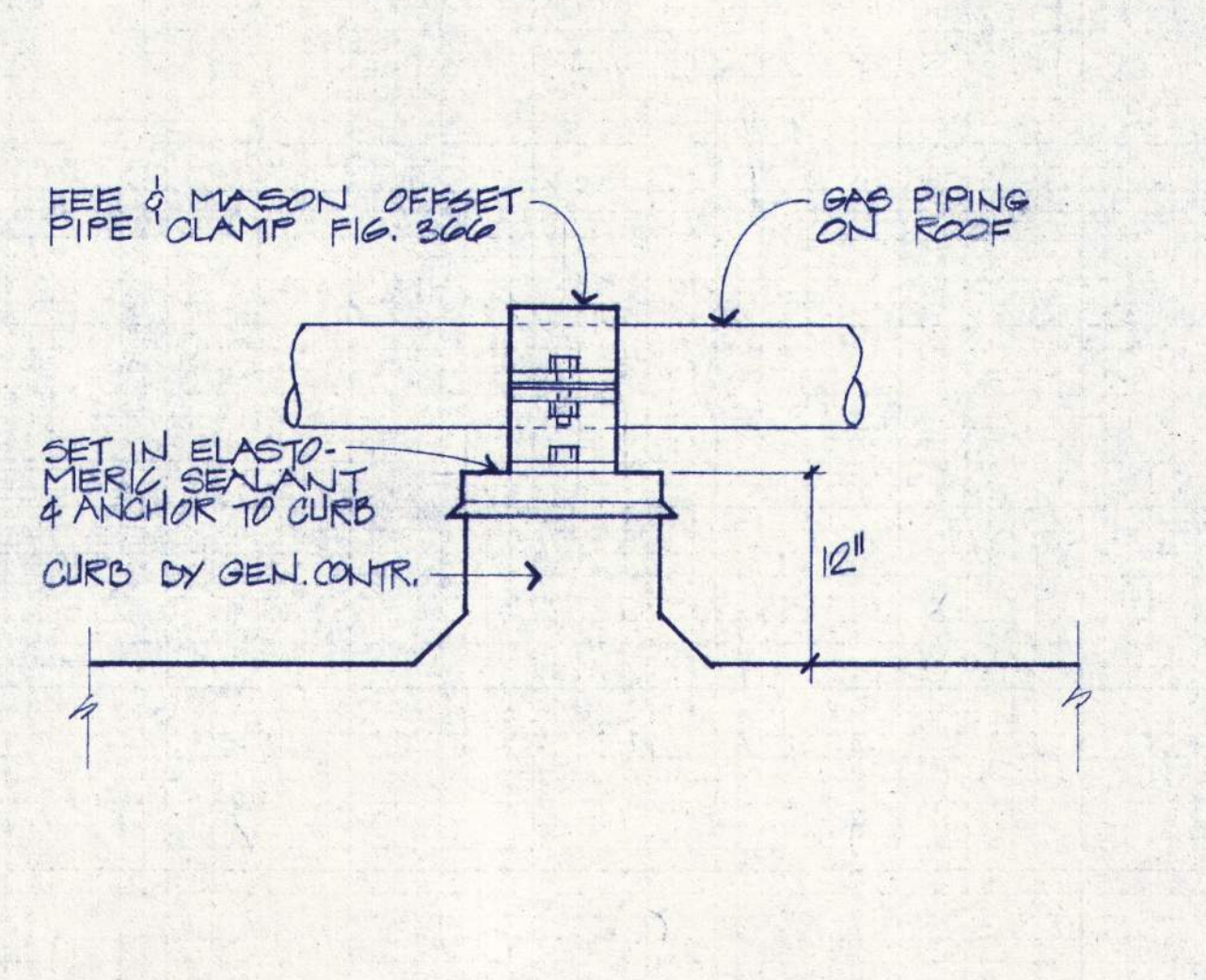
3 MUA PIPING DIAGRAM
NO SCALE



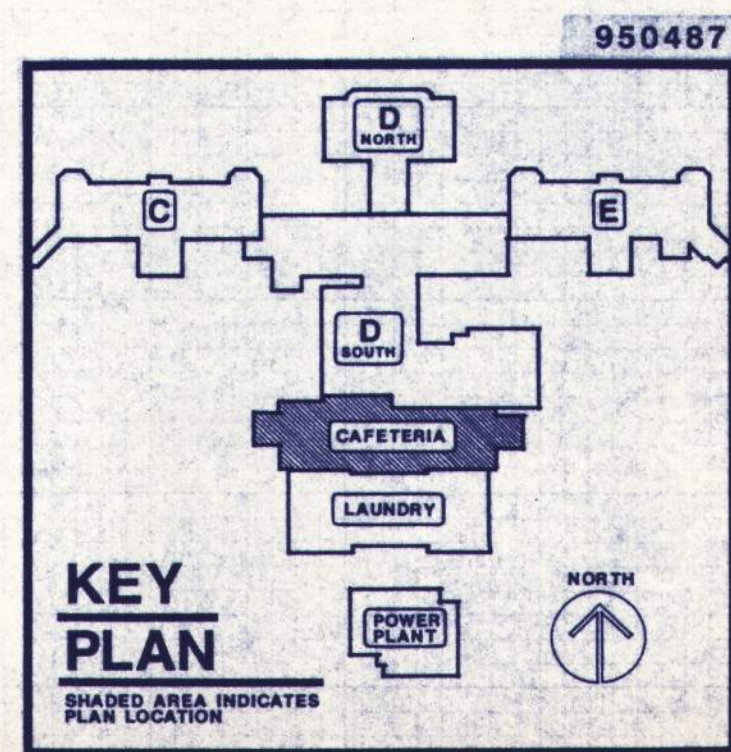
5 VTR DETAIL DISHWASHING
NO SCALE



2 GAS PIPING DIAGRAM KITCHEN
NO SCALE



4 GAS PIPE SUPPORT ON ROOF DETAIL
NO SCALE



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M12



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ENGINEERS
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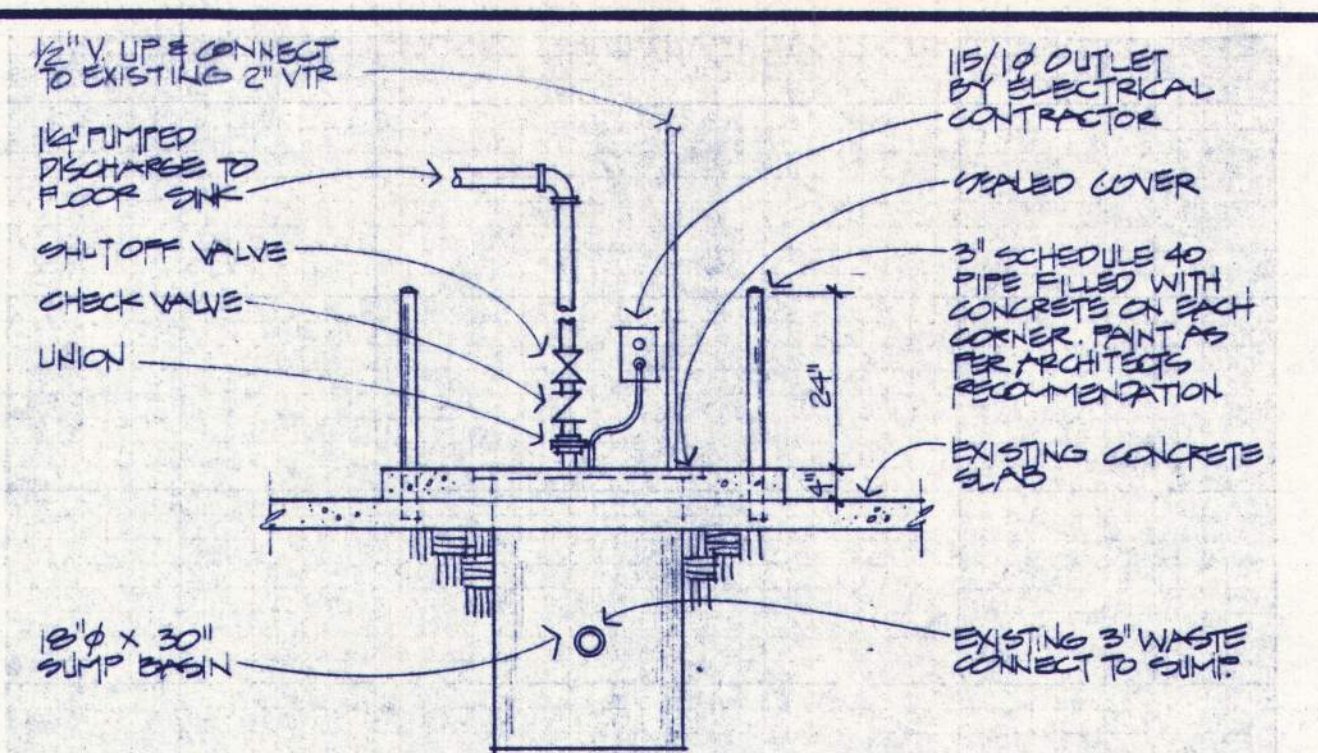
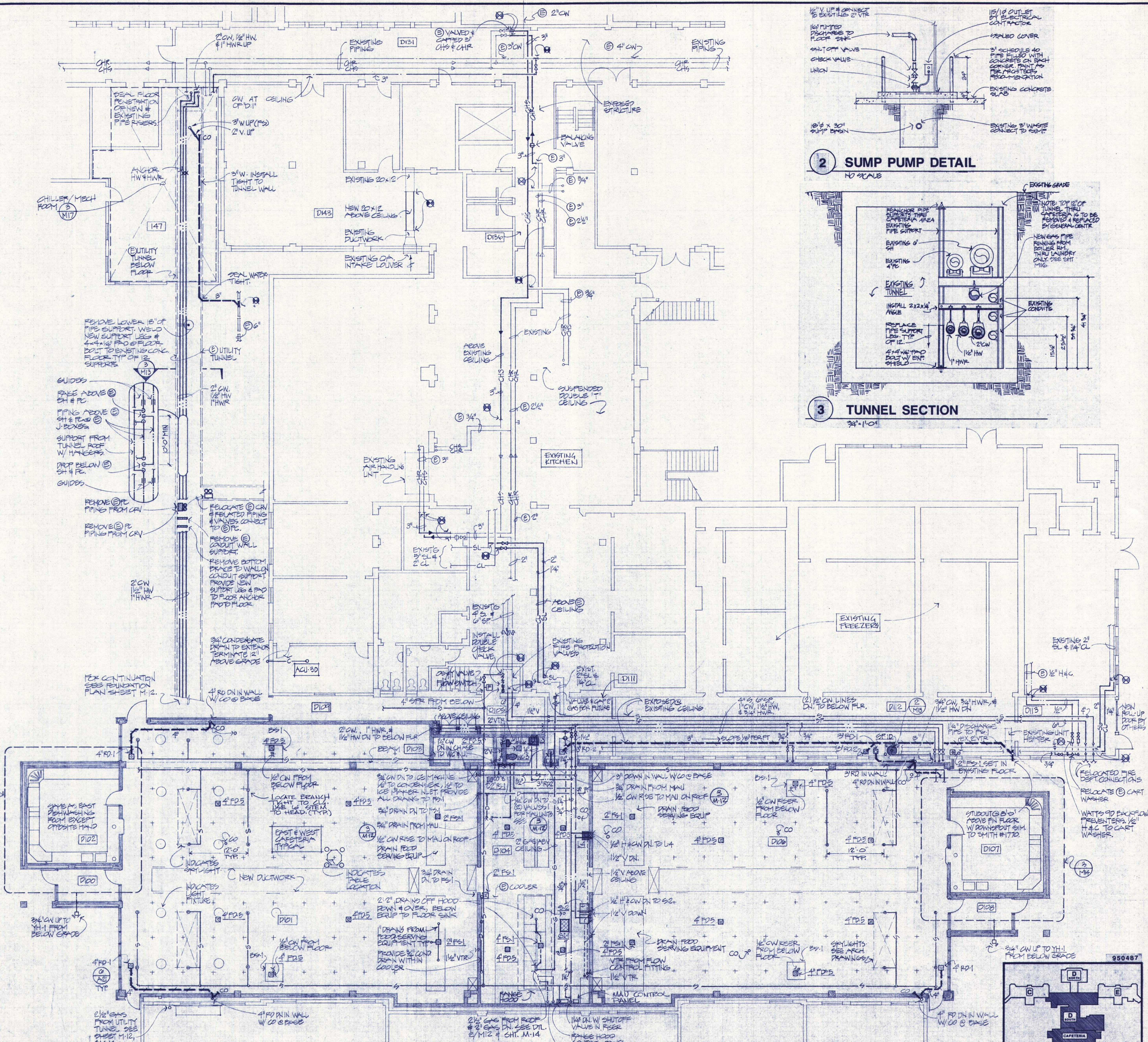
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
187 5th STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
200 S. W. 10th ST., PORTLAND, OREGON 97204

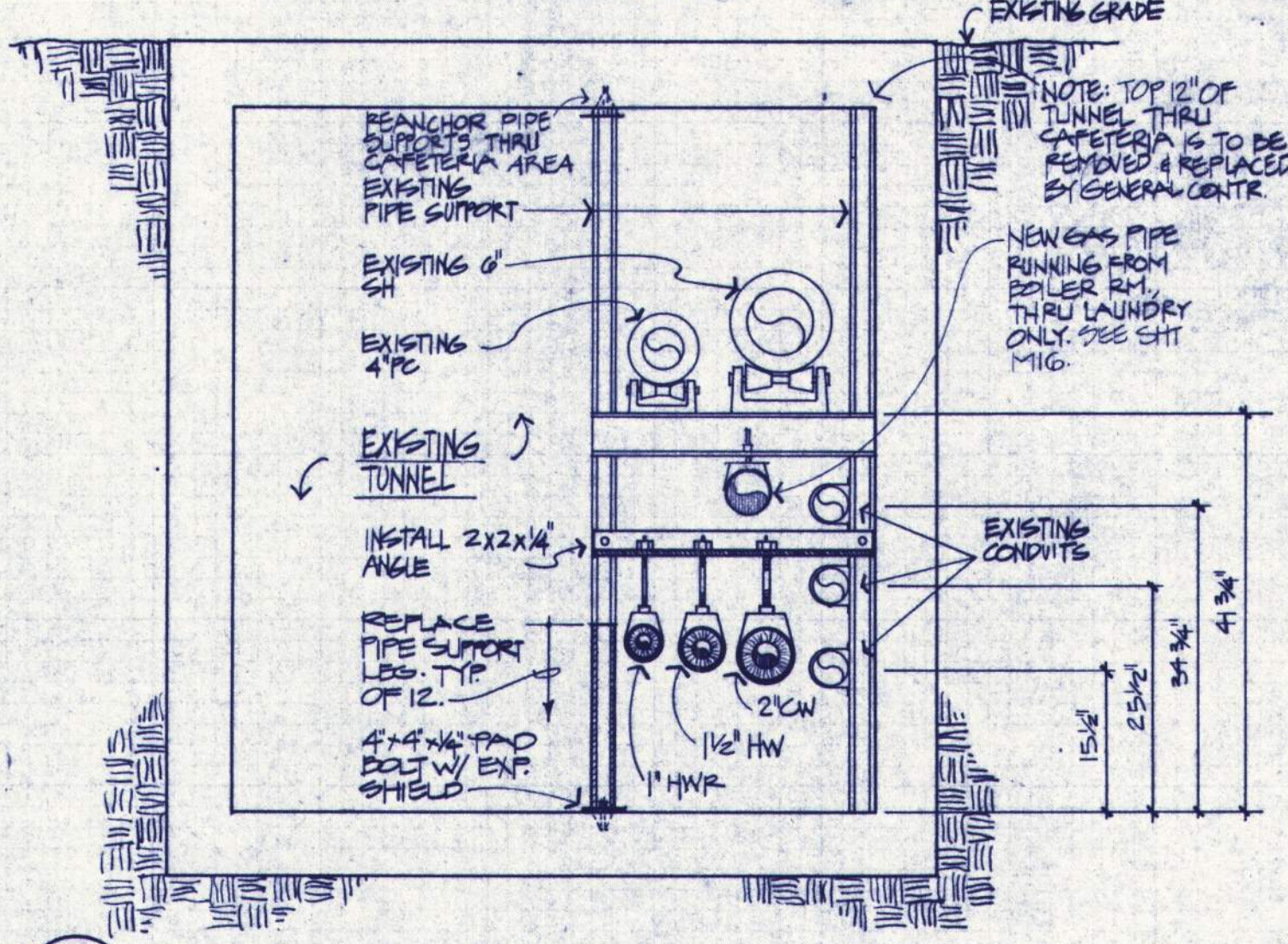
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865 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249



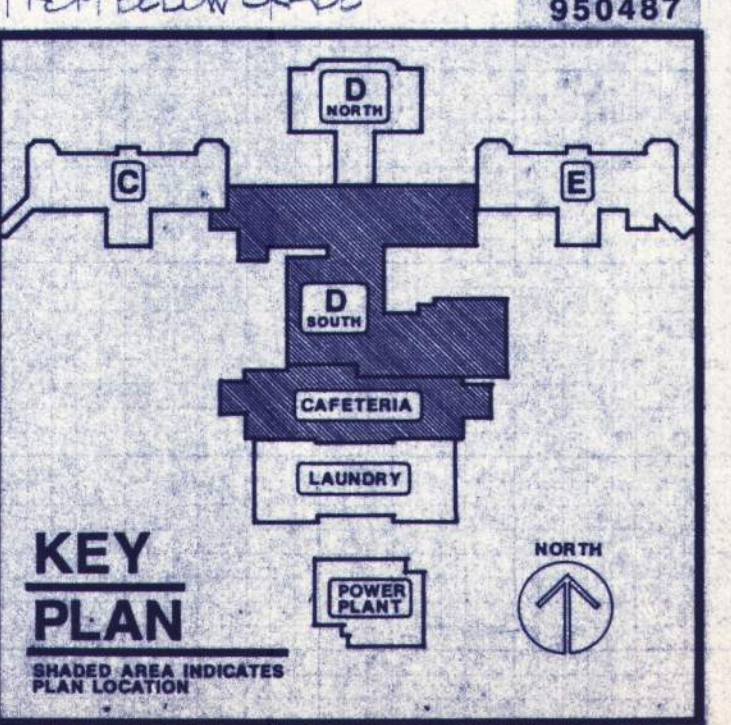
2 SUMP PUMP DETAIL
NO SCALE



3 TUNNEL SECTION
3/4\"/>

CAFETERIA & D - UNIT FLOOR PLANS - PLUMBING

1/8\"/>



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JOB 950487

M13



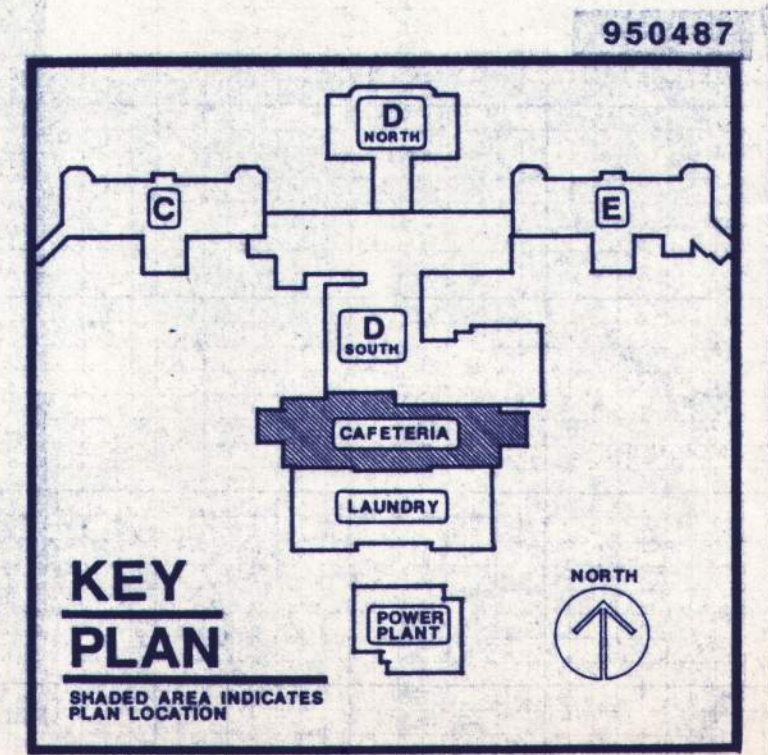
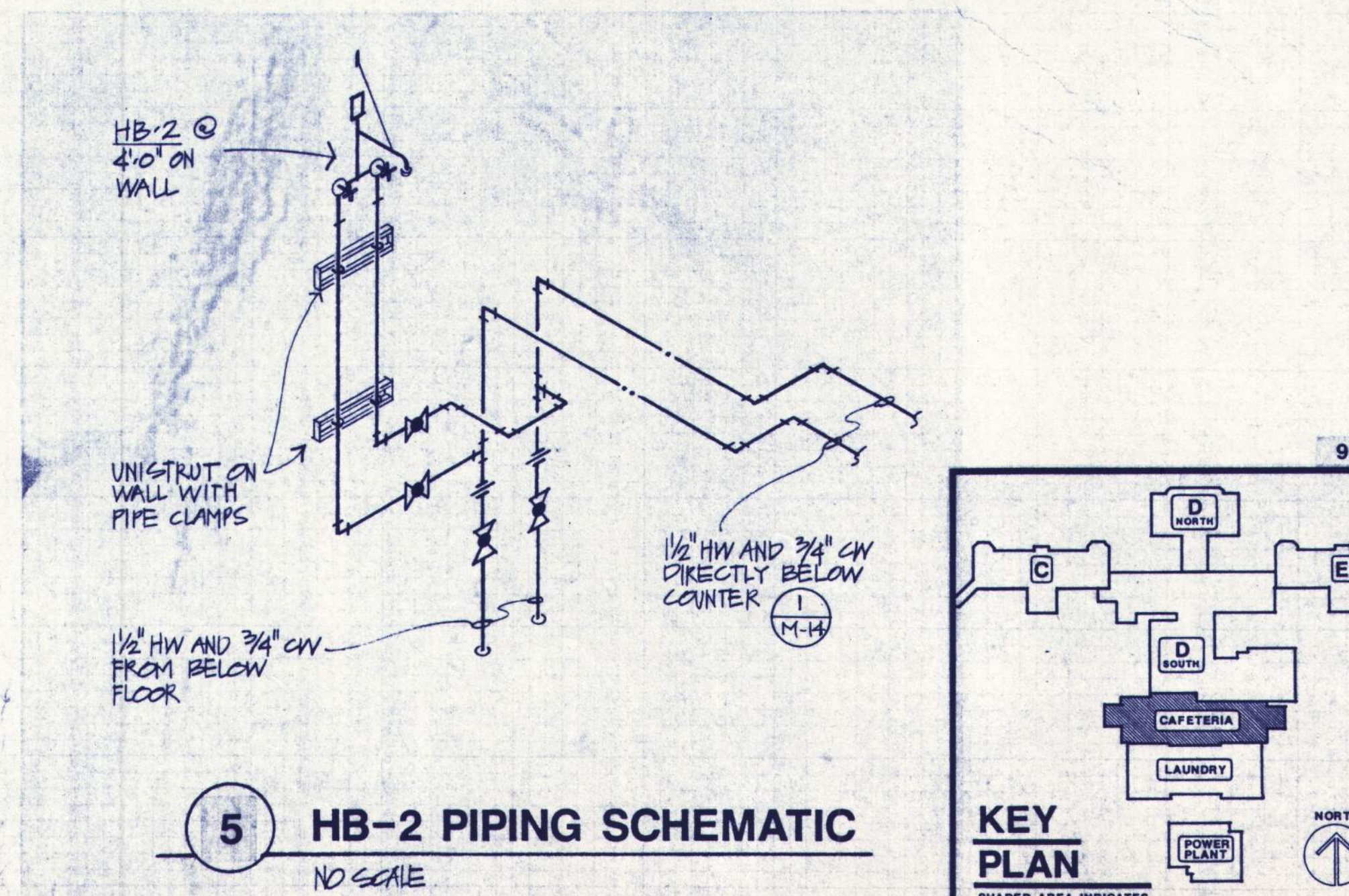
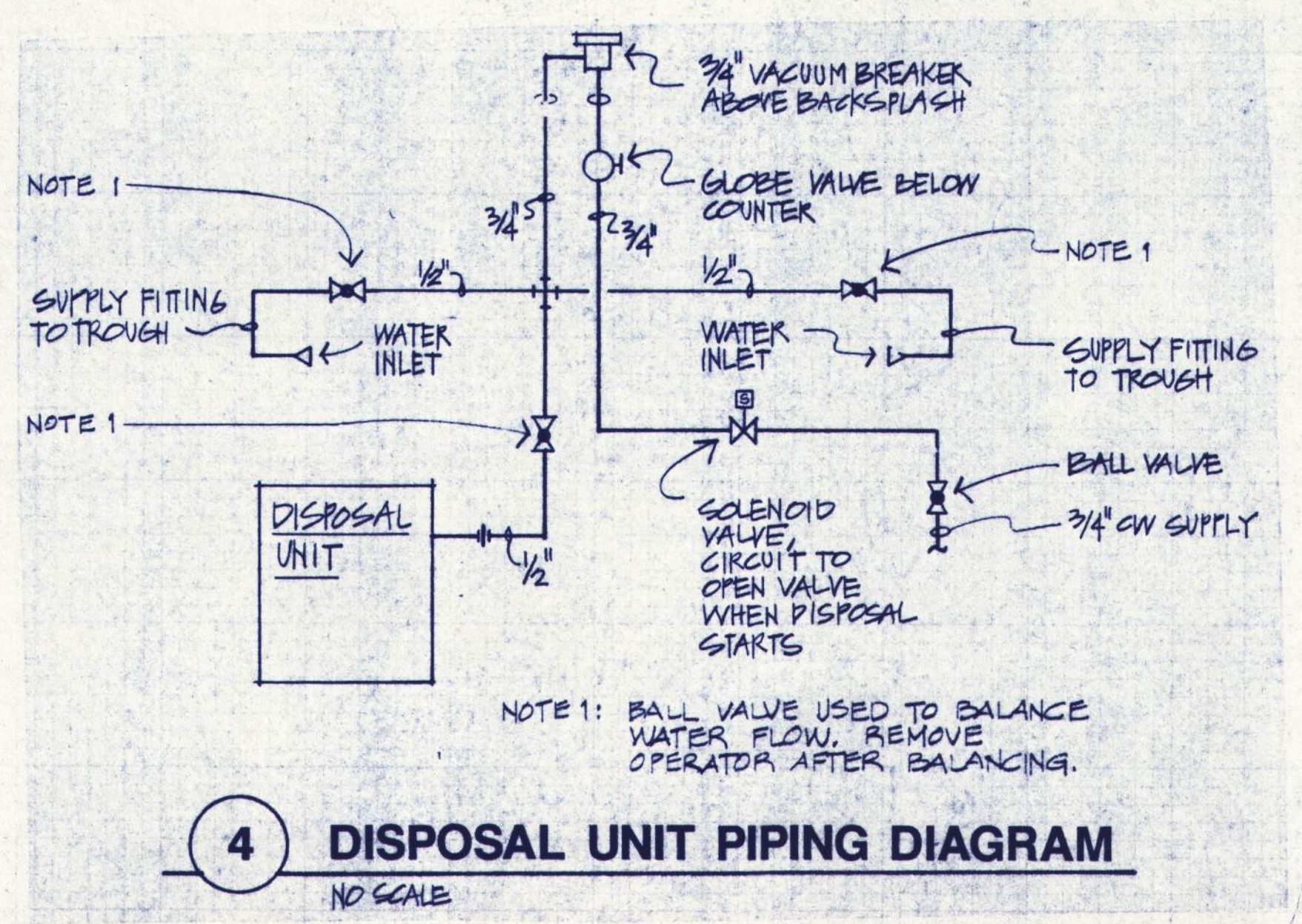
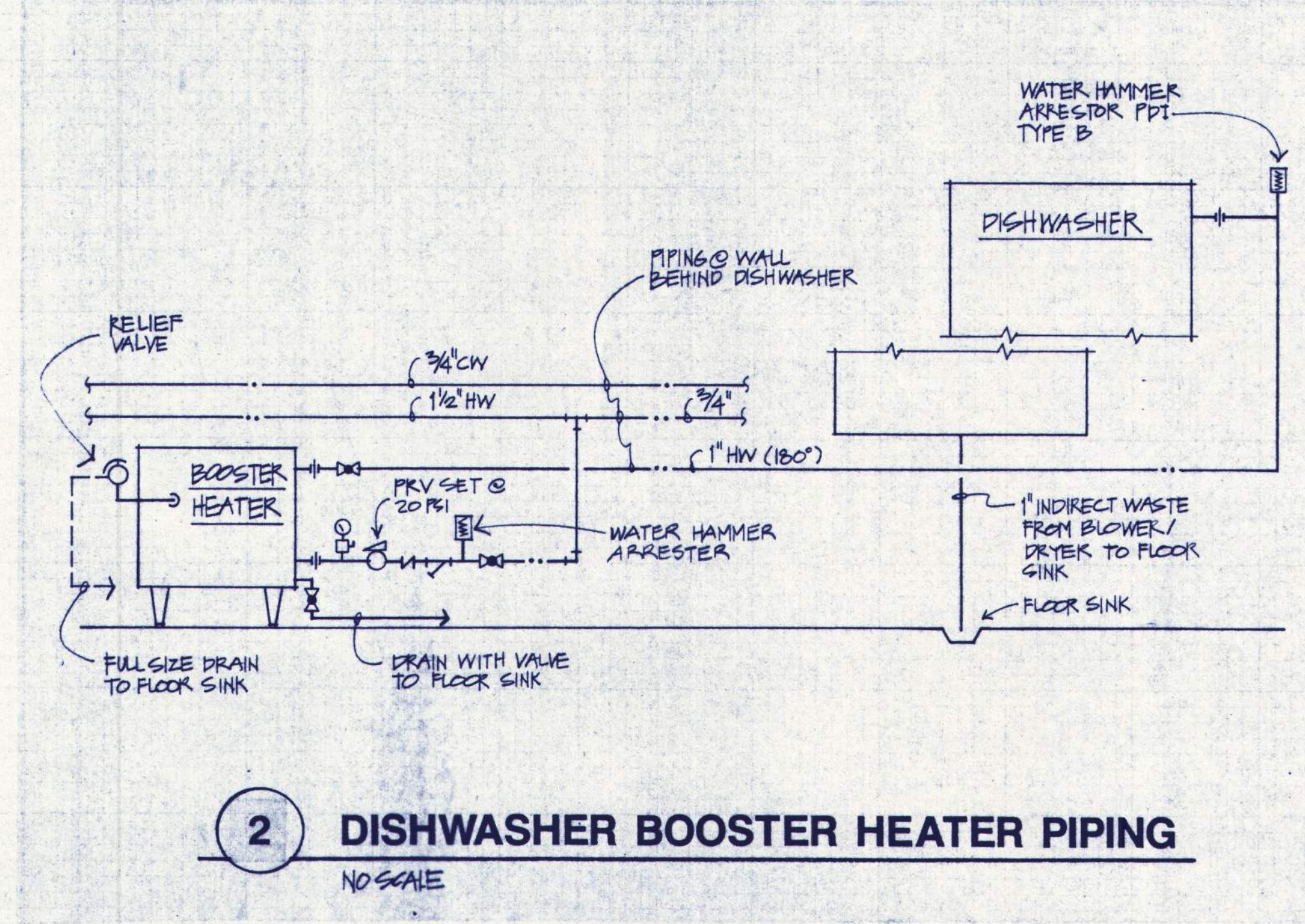
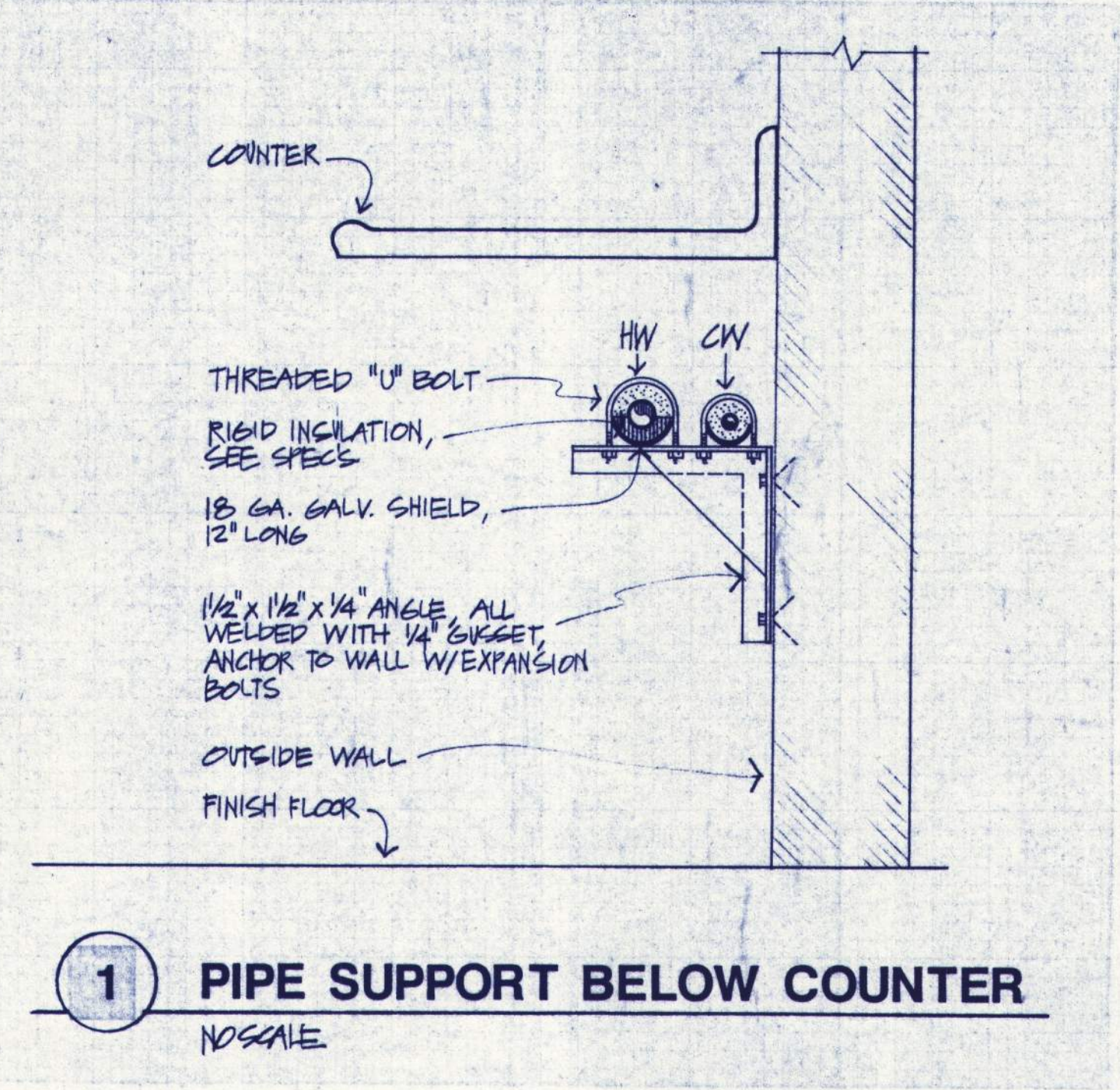
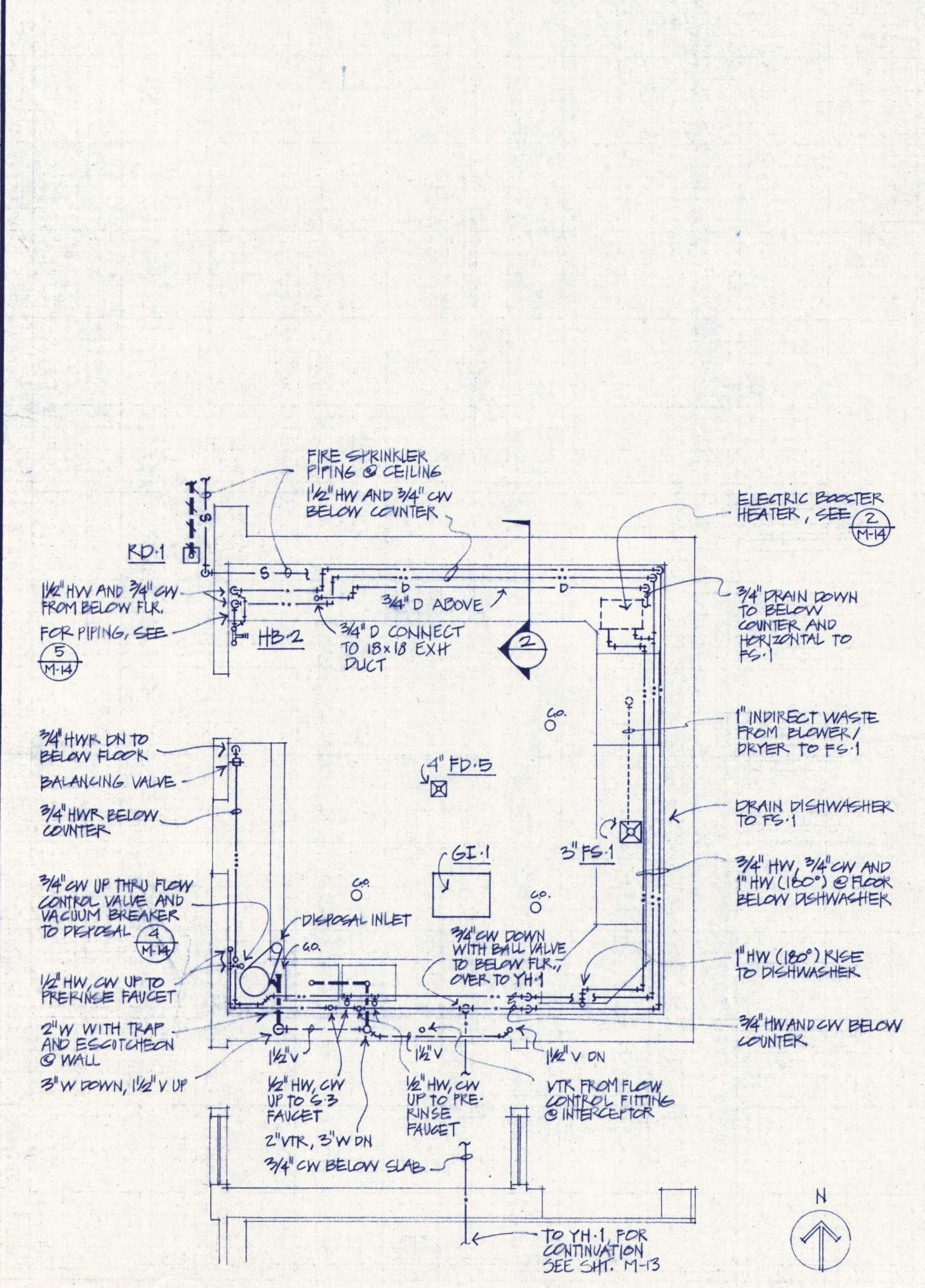
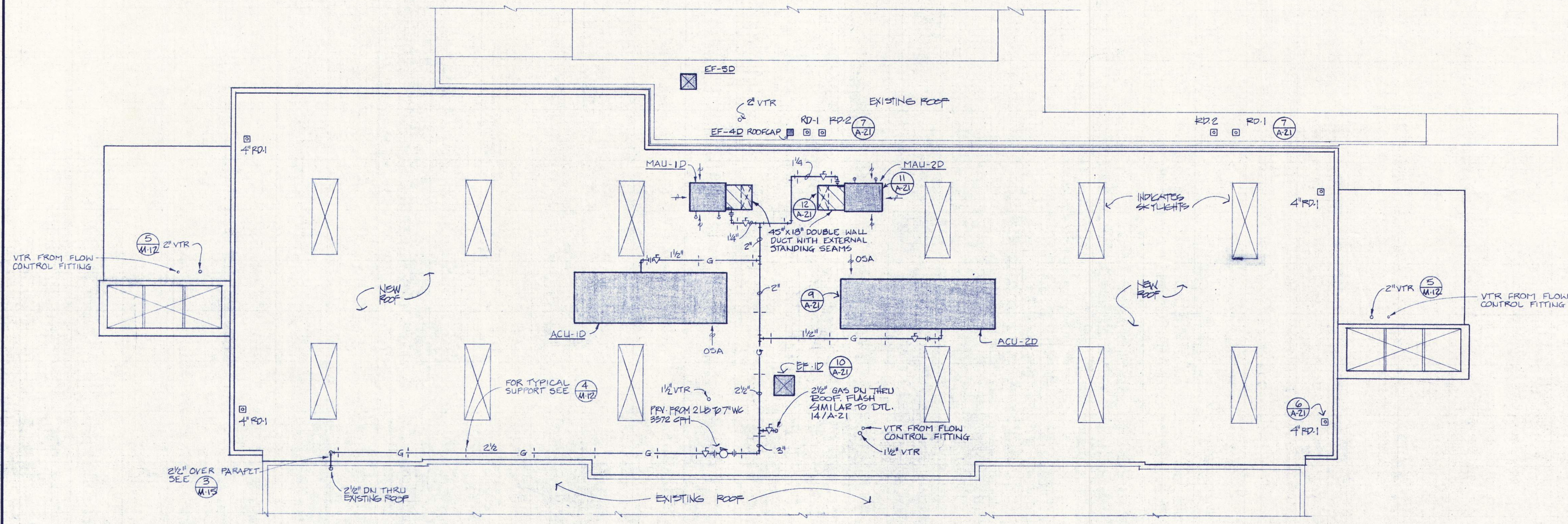
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MECHANICAL & ELECTRICAL ENGINEERS
400 MONMOUTH STREET PORTLAND, OREGON 97201

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET BURNSIDE, OREGON 97141

FRANK HONEY
STRUCTURAL ENGINEER
9518 S.W. LAUREL LEAF LANE PORTLAND, OREGON 97225

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M14

2 1/2" GAS UP FROM TUNNEL & THRU ROOF, NOTCH BACK OF EXISTING CABINET. SEE SHEET M-14 FOR CONTINUATION.

NEW ROLL-UP DOOR

EXIST. 4'-0" HIGH WOOD CABINET

LIGHT FIXTURES SURFACE MOUNTED ON T-BAR CEILING

2 1/2" GAS IN TUNNEL BELOW

SUSPENDED T-BAR CEILING @ 14'-6" APPROX.

FOLDING ROOM

BEAM

EXPOSED CONCRETE ROOF STRUCTURE

SUSPENDED T-BAR CEILING @ 14'-6" APPROX.

LIGHT FIXTURES SUSPENDED @ 8'-0"

STORAGE

WOMEN'S TOILET ROOM

MEN'S TOILET ROOM

8" PLASTER CEILINGS

3" MFB

UTILITY TUNNEL

VALVE AND CAP 2" GAS IN TUNNEL FOR FUTURE.

NEW 2" GAS TO RUN IN PIPE RACK OF EXISTING UTILITY TUNNEL

LIGHT FIXTURES SURFACE MOUNTED ON T-BAR CEILING

SUSPENDED T-BAR CEILING @ 14'-6" APPROX.

20" Ø VENT FROM STEAM PRESS

PRESS ROOM

WOOD CLOSURE OVER OLD SKYLIGHT TYP.

30"x30" GRILLE

WOOD CLOSURE OVER OLD SKYLIGHT, FOR CONTINUATION SEE

30"x18" UP THRU WOOD COVER OVER OLD SKYLIGHT.

CLEAN LAUNDRY ROOM

SURFACE MOUNTED LIGHT FIXTURES

UTILITY TUNNEL

FOR PIPING SCHEMATIC OF WATER SERVICE AND FIRE SPRINKLER RISER SEE DETAIL

UTILITY TUNNEL

2 LAMP FIXTURES SURFACE MOUNTED ON T-BAR CEILING

STEAM UNIT HEATER SUSPENDED BELOW CEILING

SUSPENDED T-BAR CEILING @ 14'-8" APPROX.

MOD EGC-3 24"x24" TYP. OF 3

NEW SHEET METAL DUCT

SUPPLY AIR GRILLE

SOILED LAUNDRY ROOM

2 LAMP FIXTURES SUSPENDED BELOW STRUCTURE

NEW MAN DOOR

EXPOSE CONCRETE ROOF STRUCTURE

NEW ROLL-UP DOOR

EXISTING EYEWASH RELOCATED, CONNECT TO 4" WASTE AND 3/4" C.W.

NEW FIRE DEPARTMENT HOSE CONNECTION

RELOCATE EXISTING EYEWASH TO OPPOSITE SIDE OF WALL, REROUTE C.WTR. & WASTE IN LAUNDRY.

REMOVE DRINKING FOUNTAIN AND CAP C.WTR. & WASTE IN LAUNDRY.

REMOVE FLOOR DRAINS AND CAP WASTE BELOW GRADE

REMOVE EXISTING CEILING EXHAUST FANS.

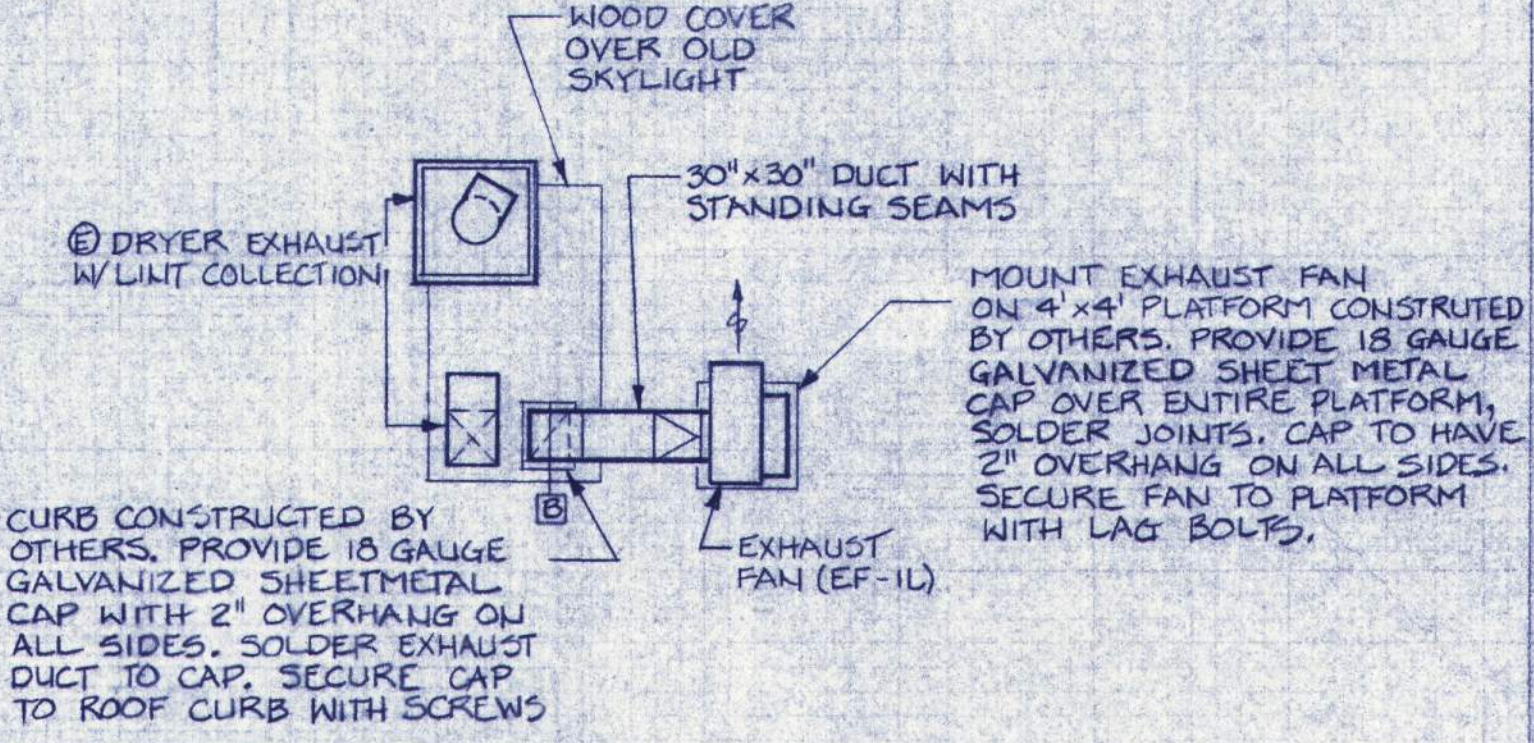
NOTE: ALL FIXTURES, VALVES & EQUIP. REMOVED TO REMAIN PROPERTY OF OWNER

EXISTING 4" WASTE & 3/4" H.&C. WTR. TO REMAIN

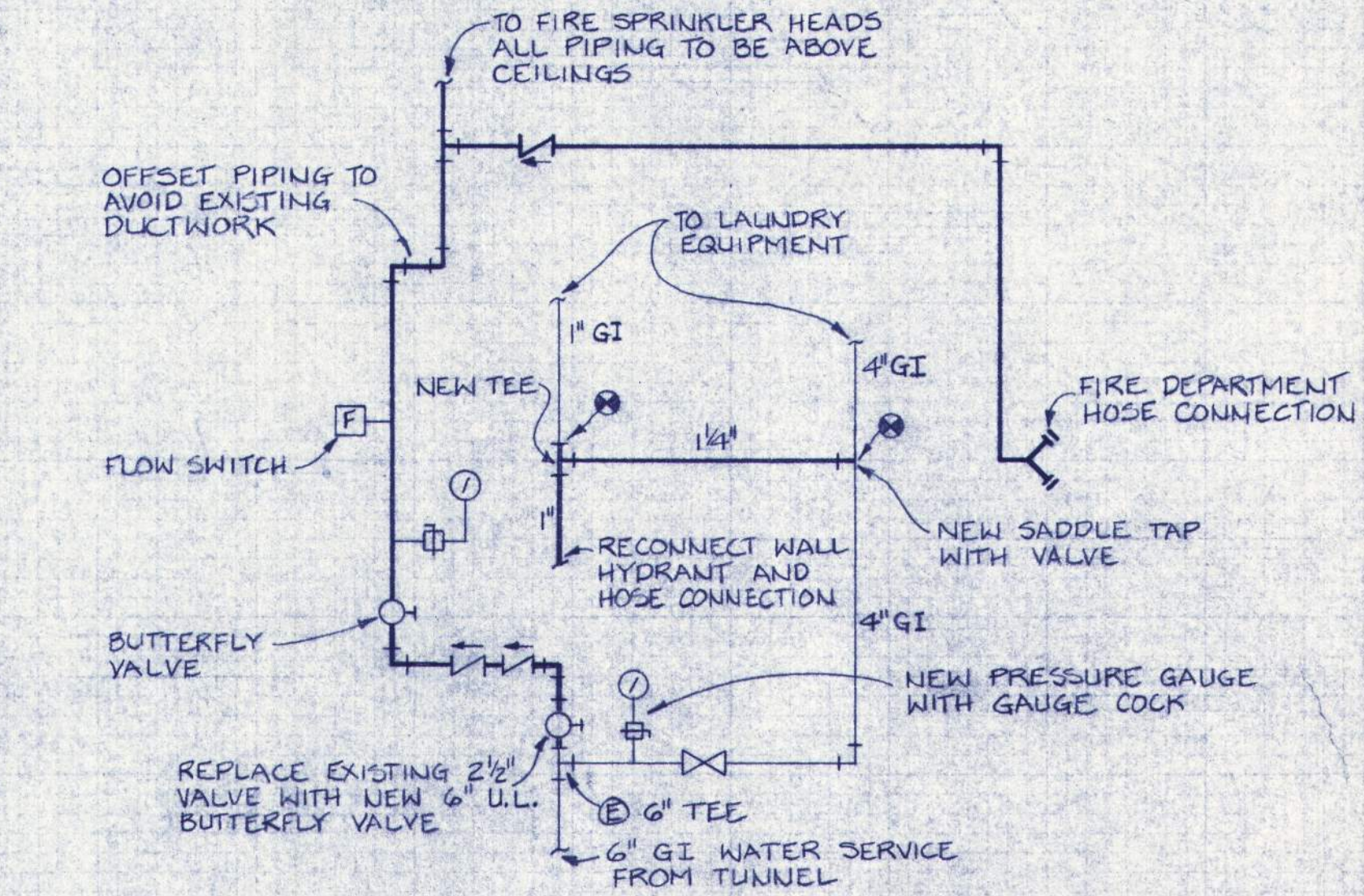
CAP H.&C. WTR. IN LAUNDRY

EXISTING TOILET ROOMS TO BE REMOVED

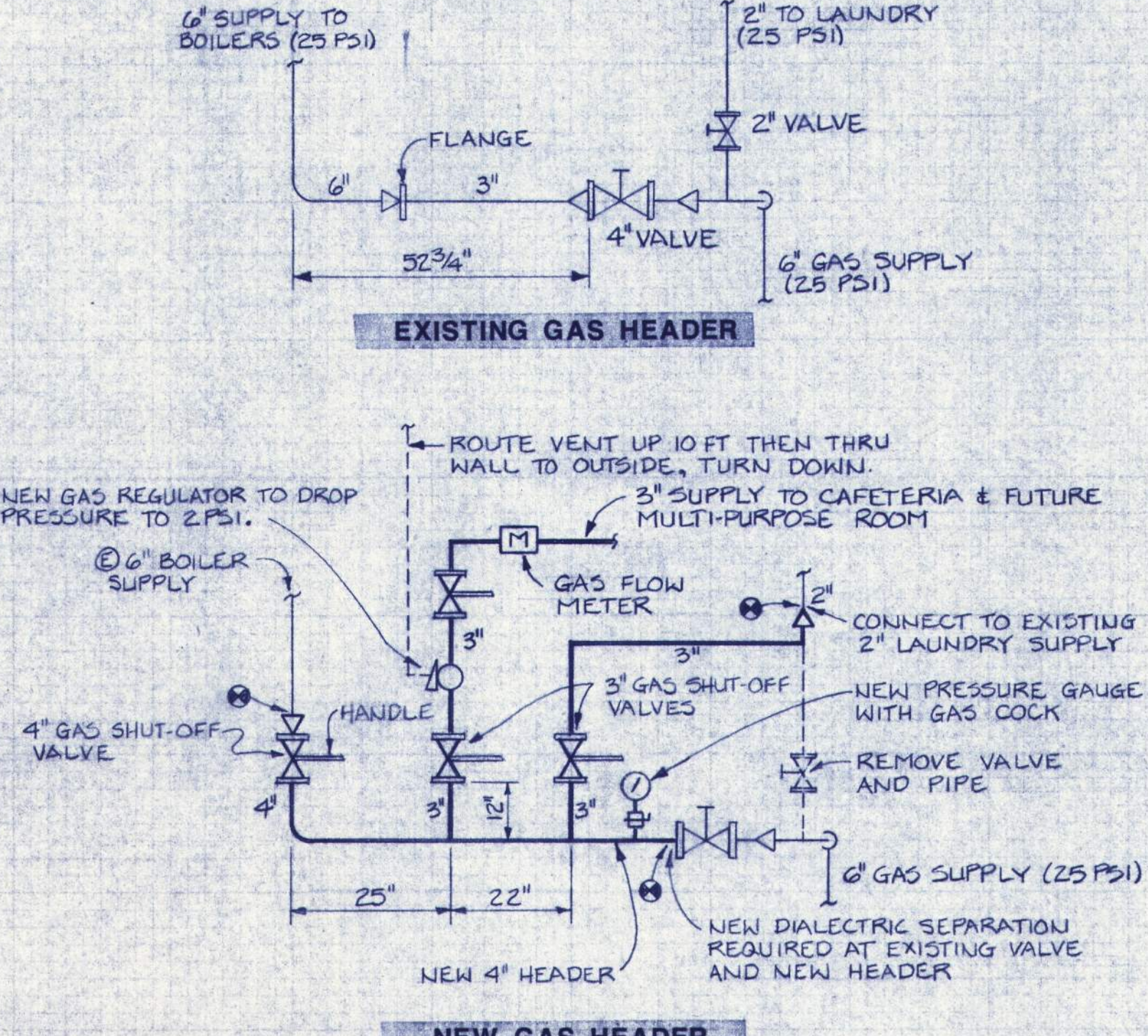
REMOVE LAV. URINAL, WTR. CLOSET, & SHOWER. CAP WASTE BELOW GRADE AND REMOVE H.&C. WTR. TO LAUNDRY.



2 PARTIAL LAUNDRY ROOF PLAN
SCALE: 1/8" = 1'-0"

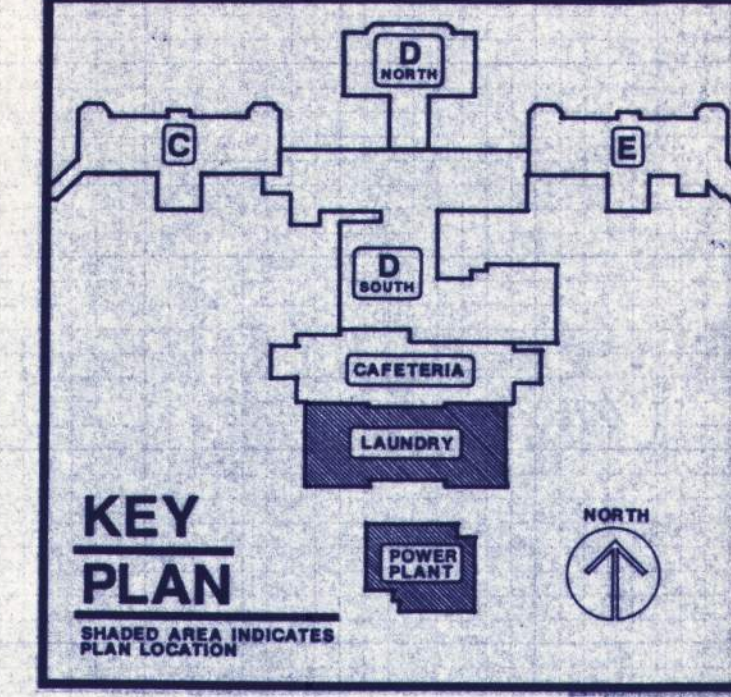


3 LAUNDRY WATER SERVICE / FIRE SPRINKLER RISER
NO SCALE



1 NATURAL GAS VALVE HEADER
NO SCALE

LAUNDRY AND POWER PLANT PLAN - HVAC & PIPING
SCALE: 1/8" = 1'-0"



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
800 MARKET STREET, PORTLAND, OREGON 97201

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECTS
1877 OAK STREET, PORTLAND, OREGON 97201

FRANK HONEY
STRUCTURAL ENGINEER
800 S.W. LAUREL LEAF LANE, PORTLAND, OREGON 97201

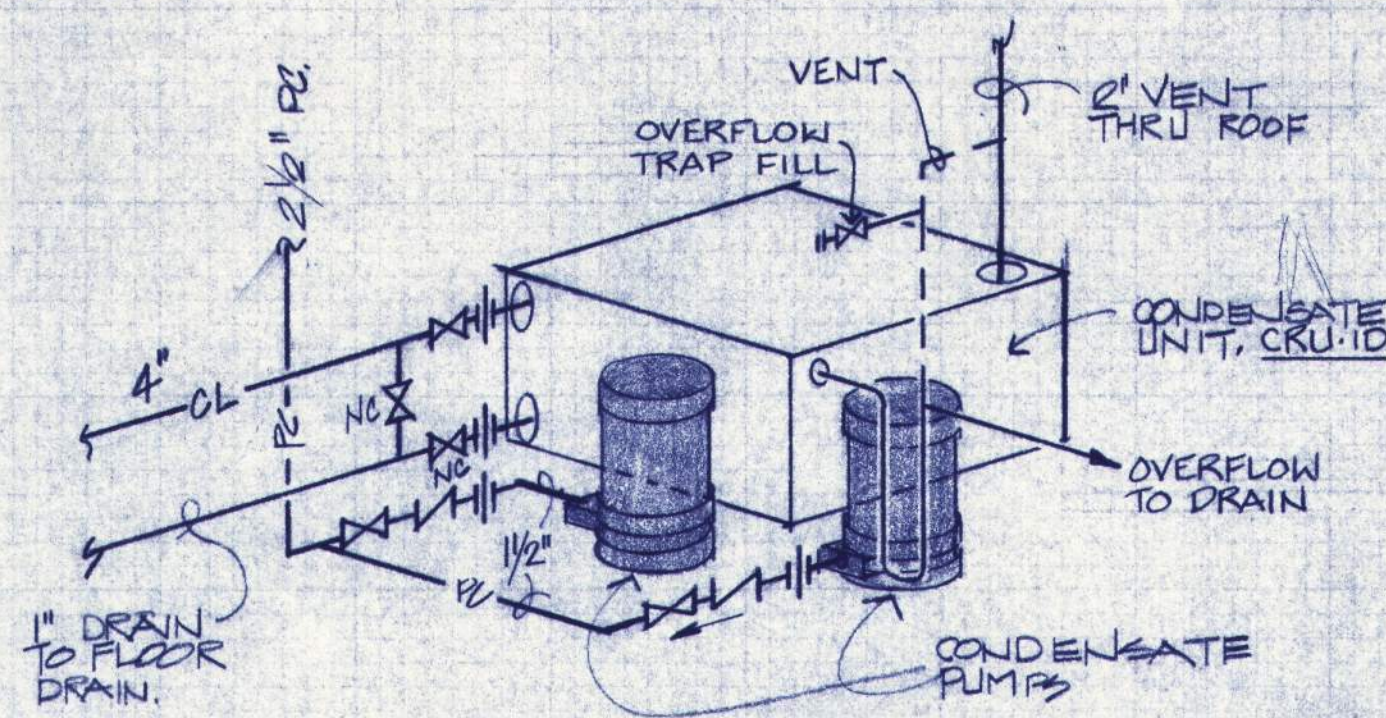
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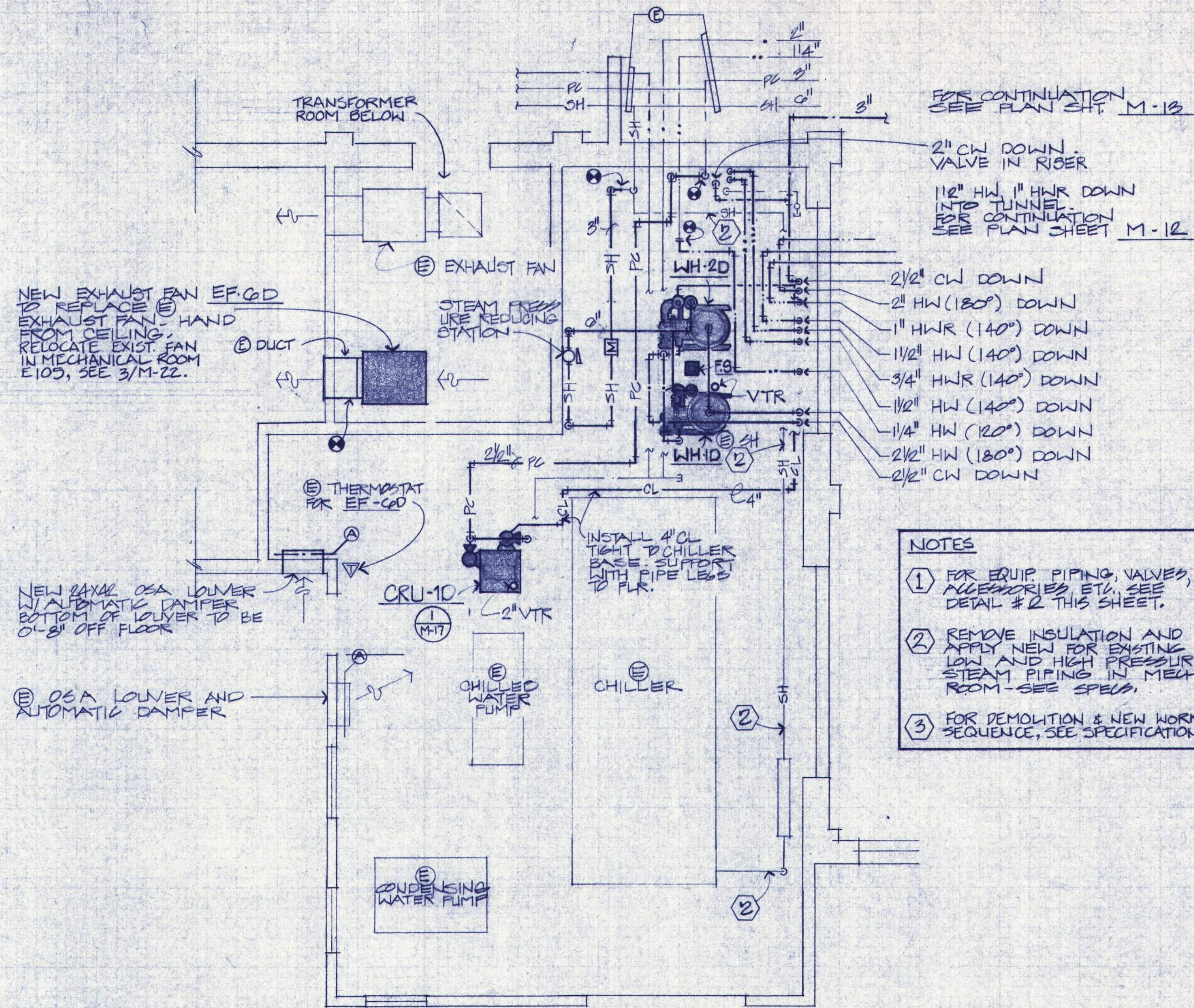
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860 THIRTIETH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-0240

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M16

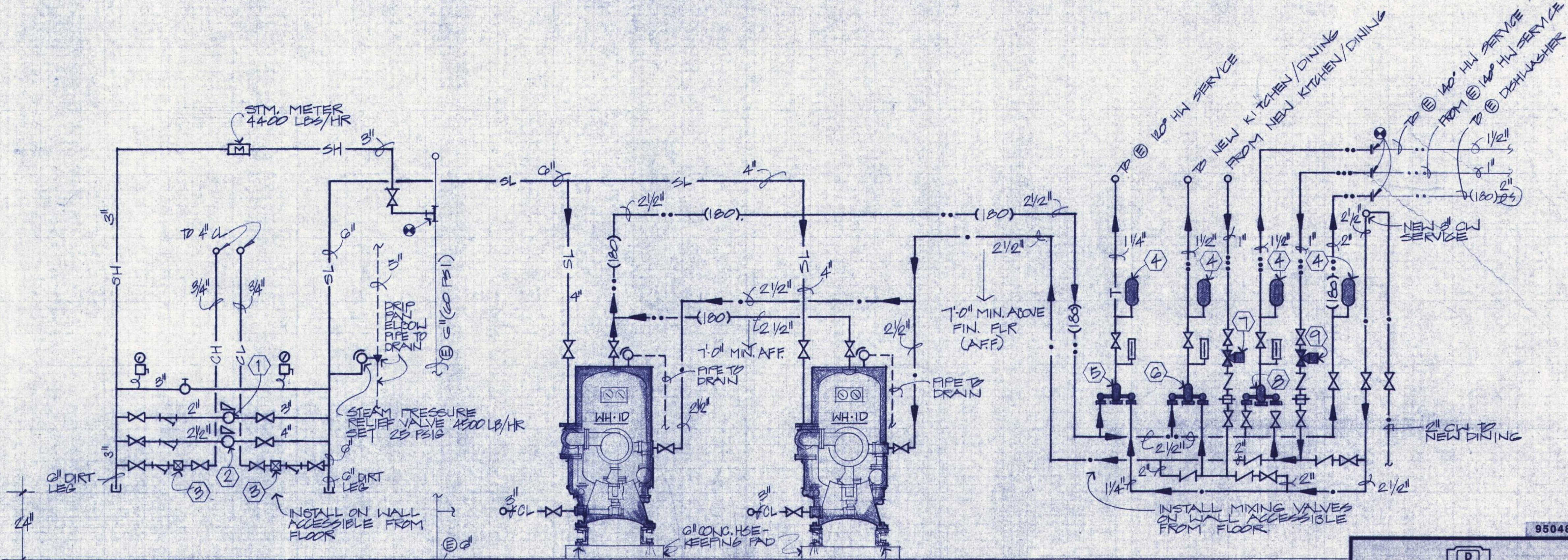


1 CONDENSATE PUMP PIPING DETAIL
NO SCALE



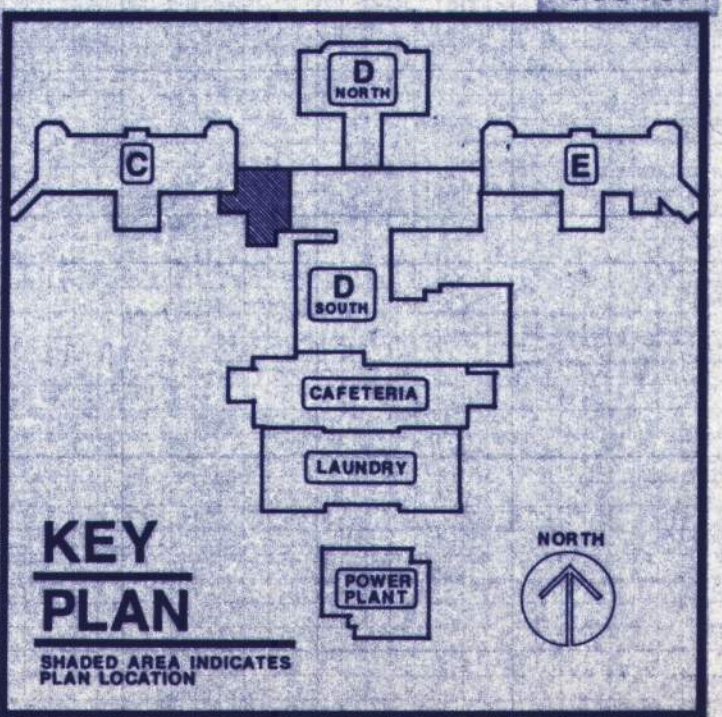
3 MECHANICAL / CHILLER ROOM PLAN
1/4" = 1' - 0"

- NOTES**
- ① FOR EQUIP PIPING, VALVES, ACCESSORIES, ETC., SEE DETAIL # 2 THIS SHEET.
 - ② REMOVE INSULATION AND APPLY NEW FOR EXISTING LOW AND HIGH PRESSURE STEAM PIPING IN MECH. ROOM - SEE SPECS.
 - ③ FOR DEMOLITION & NEW WORK SEQUENCE, SEE SPECIFICATIONS.



2 PIPING SCHEMATIC
NO SCALE

- PIPING SCHEMATIC NOTES**
- ① STEAM PRESSURE REDUCING VALVE 1500 LBS/HR. 60 PSIG TO 15 PSIG.
 - ② STEAM PRESSURE REDUCING VALVE 3000 LBS/HR. 60 PSIG TO 15 PSIG.
 - ③ 3/4\"/>



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863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
400 HURLEY STREET, EUGENE, OREGON 97401

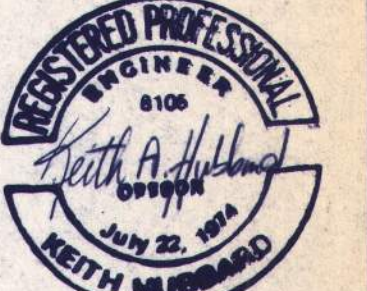
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1000 UNIVERSITY AVENUE, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
400 S. W. LAMAR, LEAF LANE, PORTLAND, OREGON 97208



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MECHANICAL & ELECTRICAL ENGINEERS
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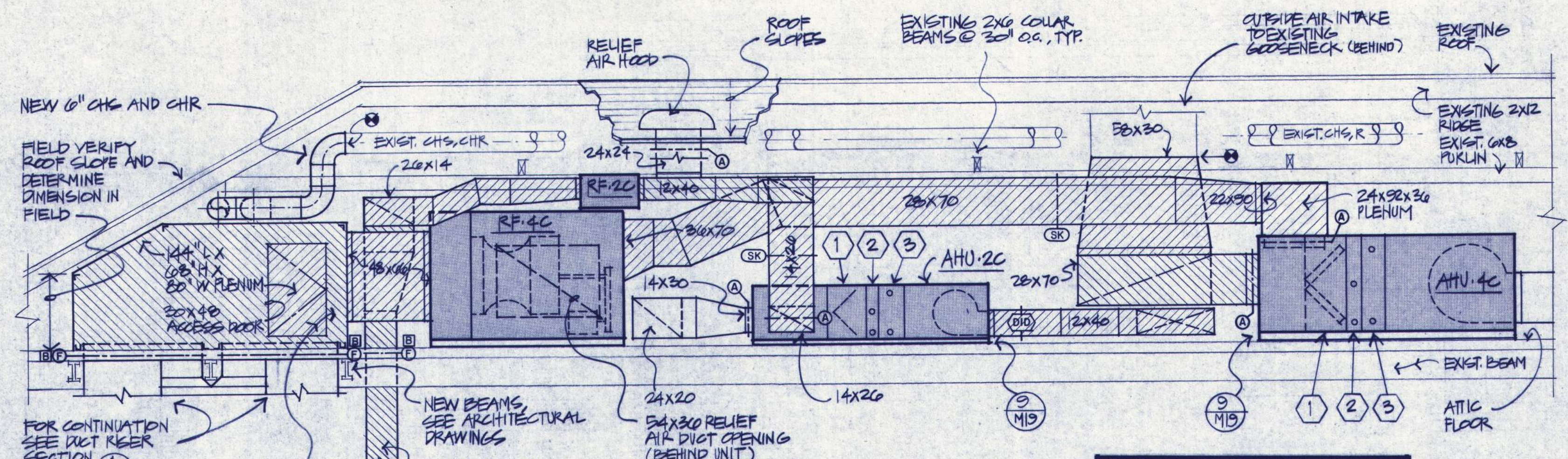
LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1857 OAK STREET, BUREAU, OREGON 97141

FRANK HONEY
STRUCTURAL ENGINEER
1928 S.W. LIVING, LAIN, OREGON 97146

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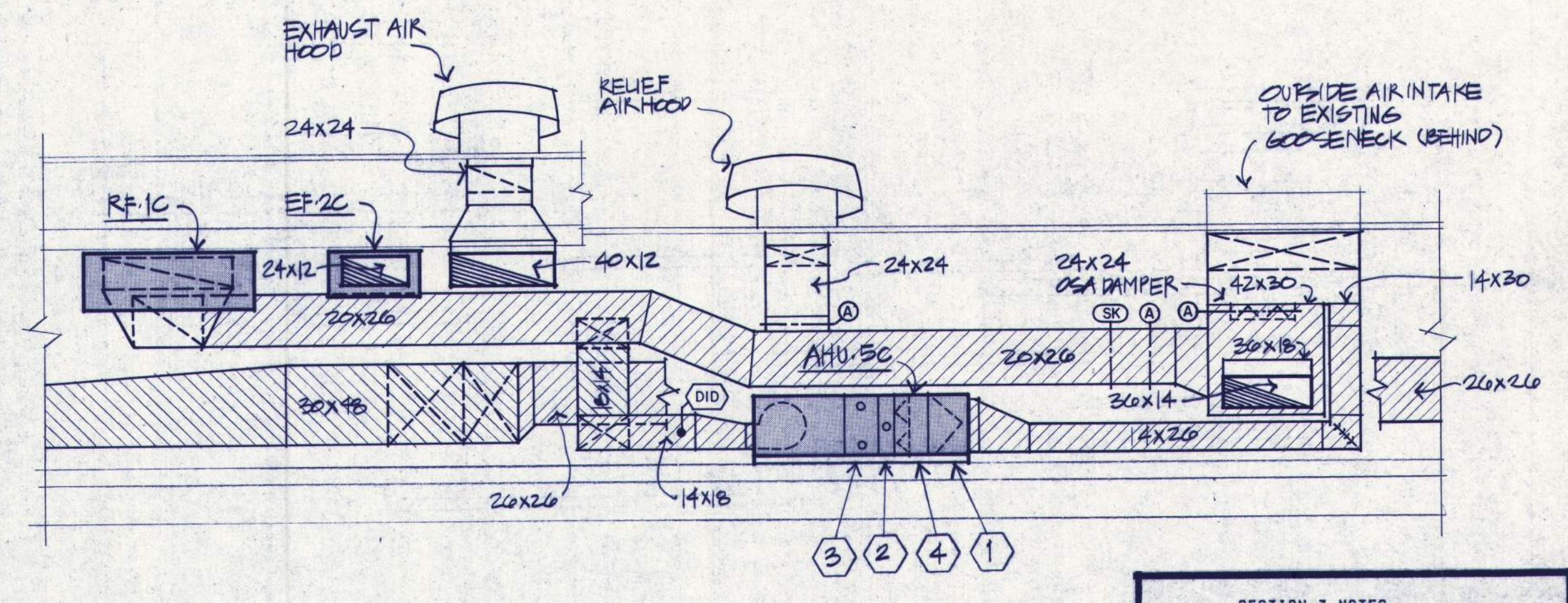
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863 THIRTEENTH AVENUE EAST/EUGENE, OREGON 97401 / (503) 344-2649



1 SECTION THRU C-UNIT ATTIC
SCALE: 1/4" = 1'-0"

SECTION 1 NOTES

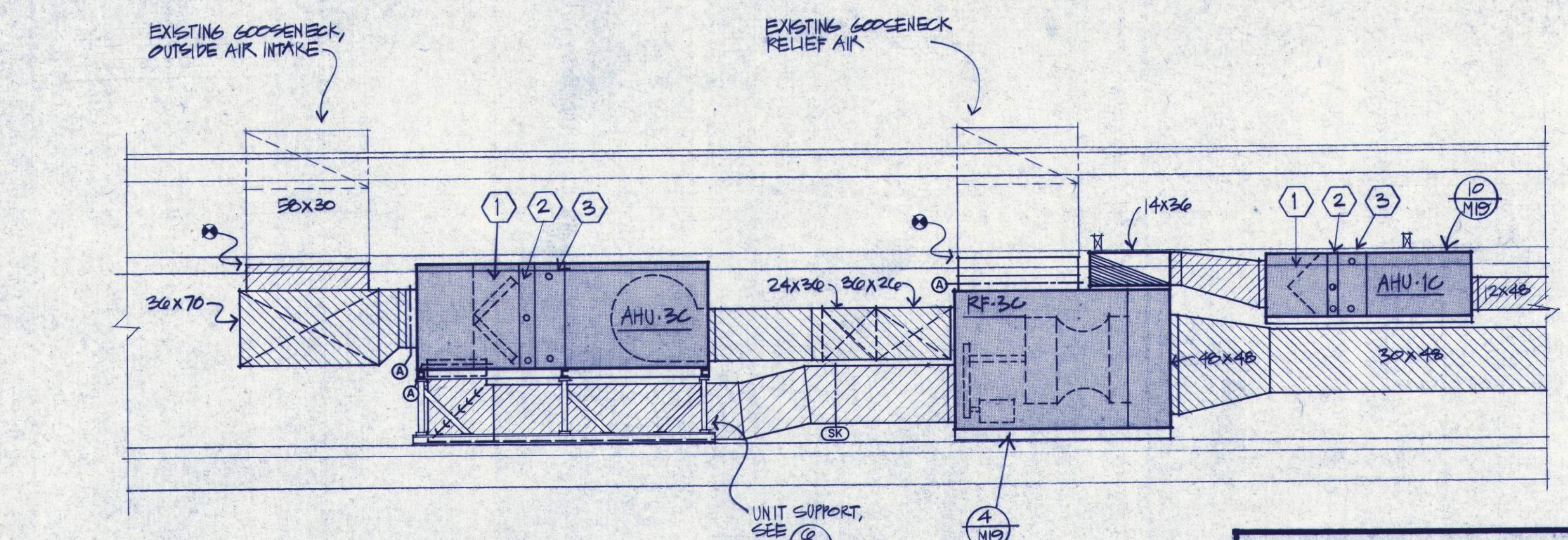
1	FILTERS
2	HEATING COIL
3	COOLING COIL



3 SECTION THRU C-UNIT ATTIC
SCALE: 1/4" = 1'-0"

SECTION 3 NOTES

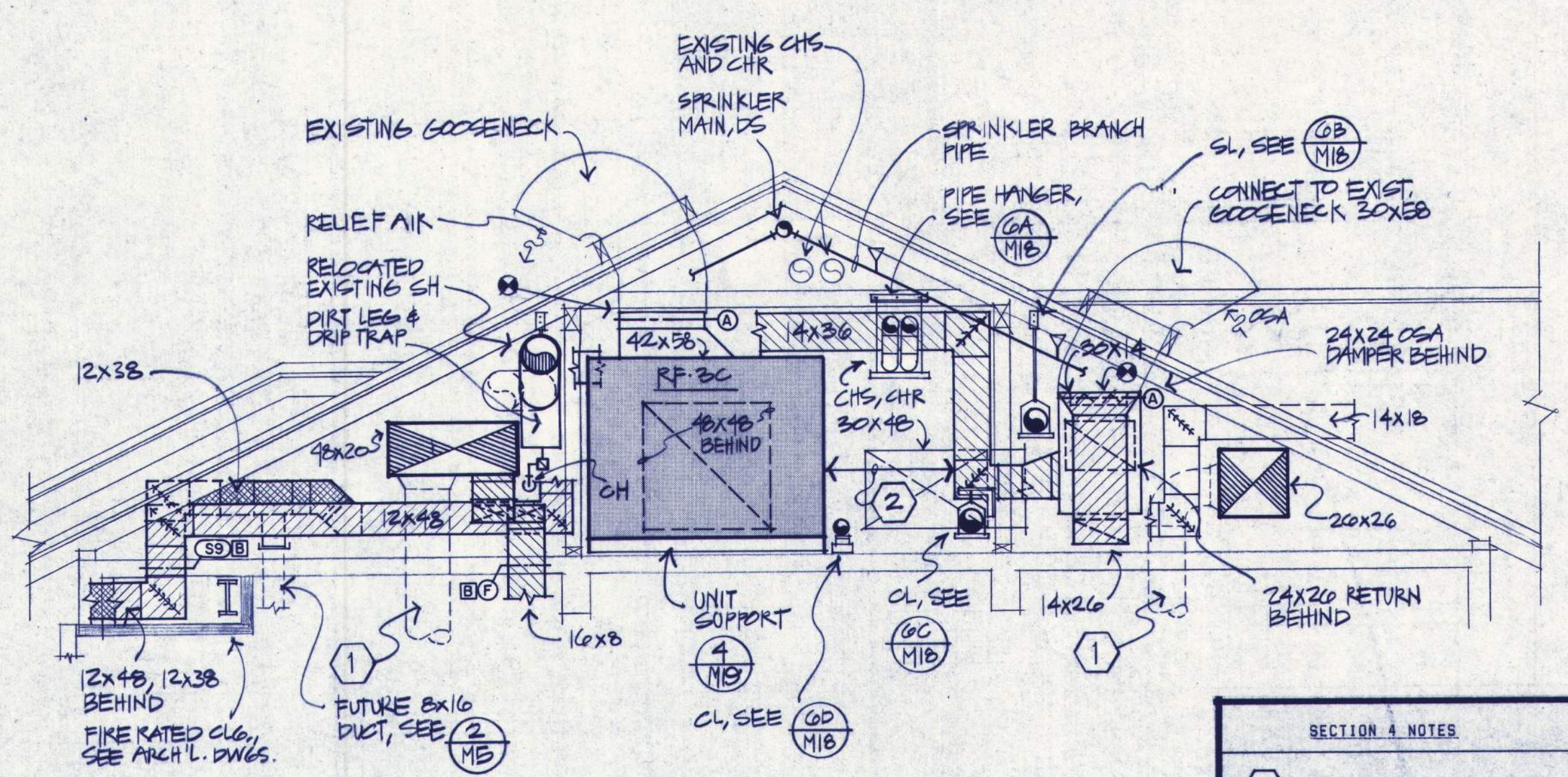
1	FILTERS
2	HEATING COIL
3	COOLING COIL
4	FACE AND BYPASS DAMPERS



2 SECTION THRU C-UNIT ATTIC
SCALE: 1/4" = 1'-0"

SECTION 2 NOTES

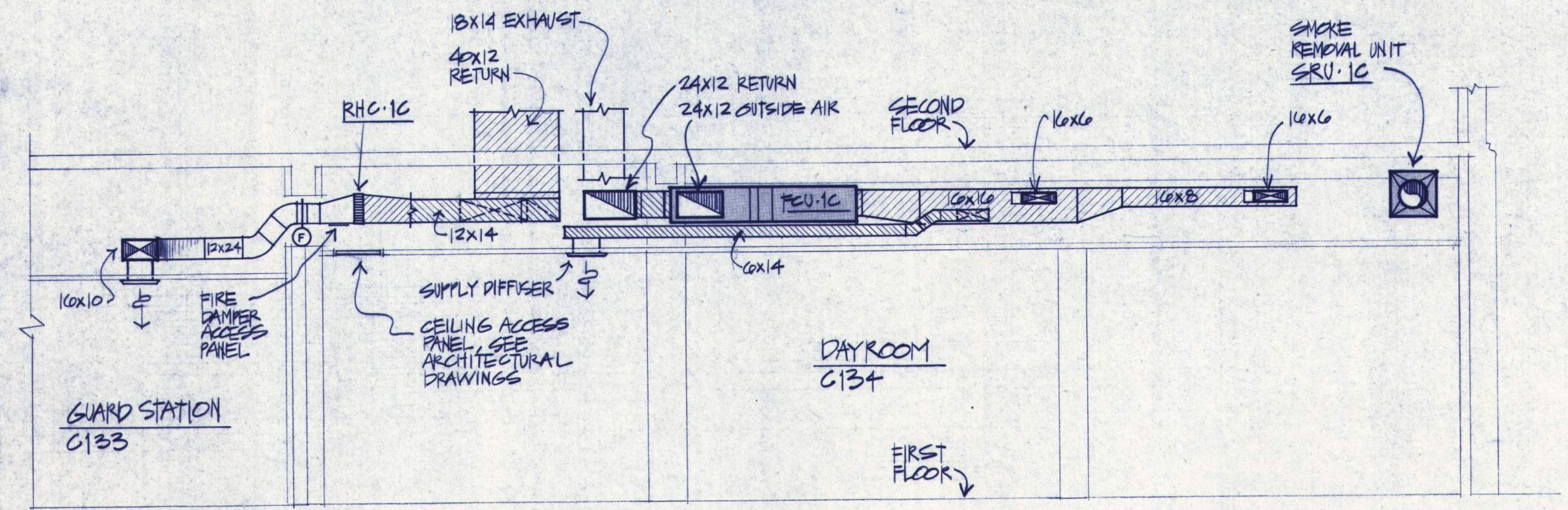
1	FILTERS
2	HEATING COIL
3	COOLING COIL



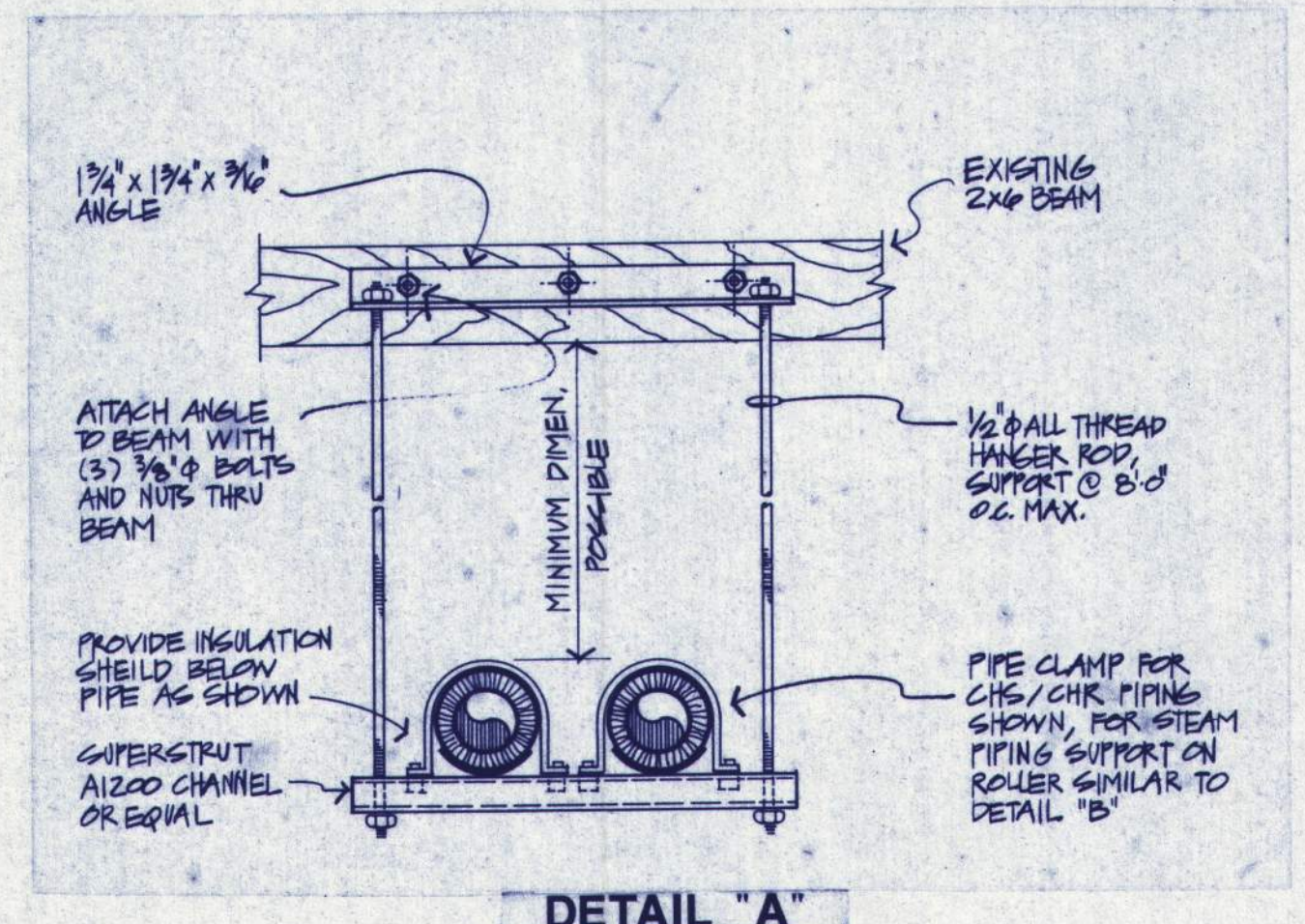
4 SECTION THRU C-UNIT ATTIC
SCALE: 1/4" = 1'-0"

SECTION 4 NOTES

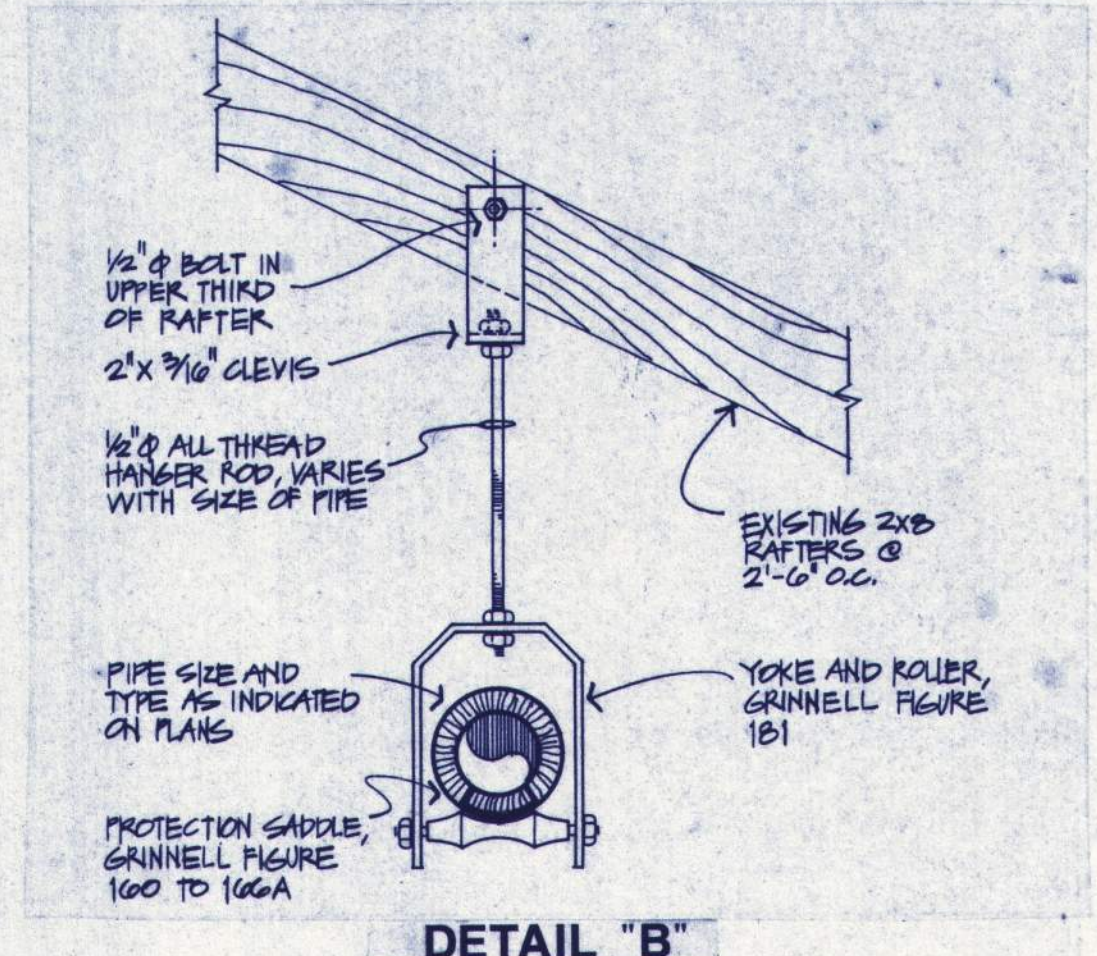
1	FUTURE DUCT RISERS TO CELLS
2	THIS DIMENSION: MAINTAIN MAXIMUM CLEAR SPACE POSSIBLE THRU ATTIC.



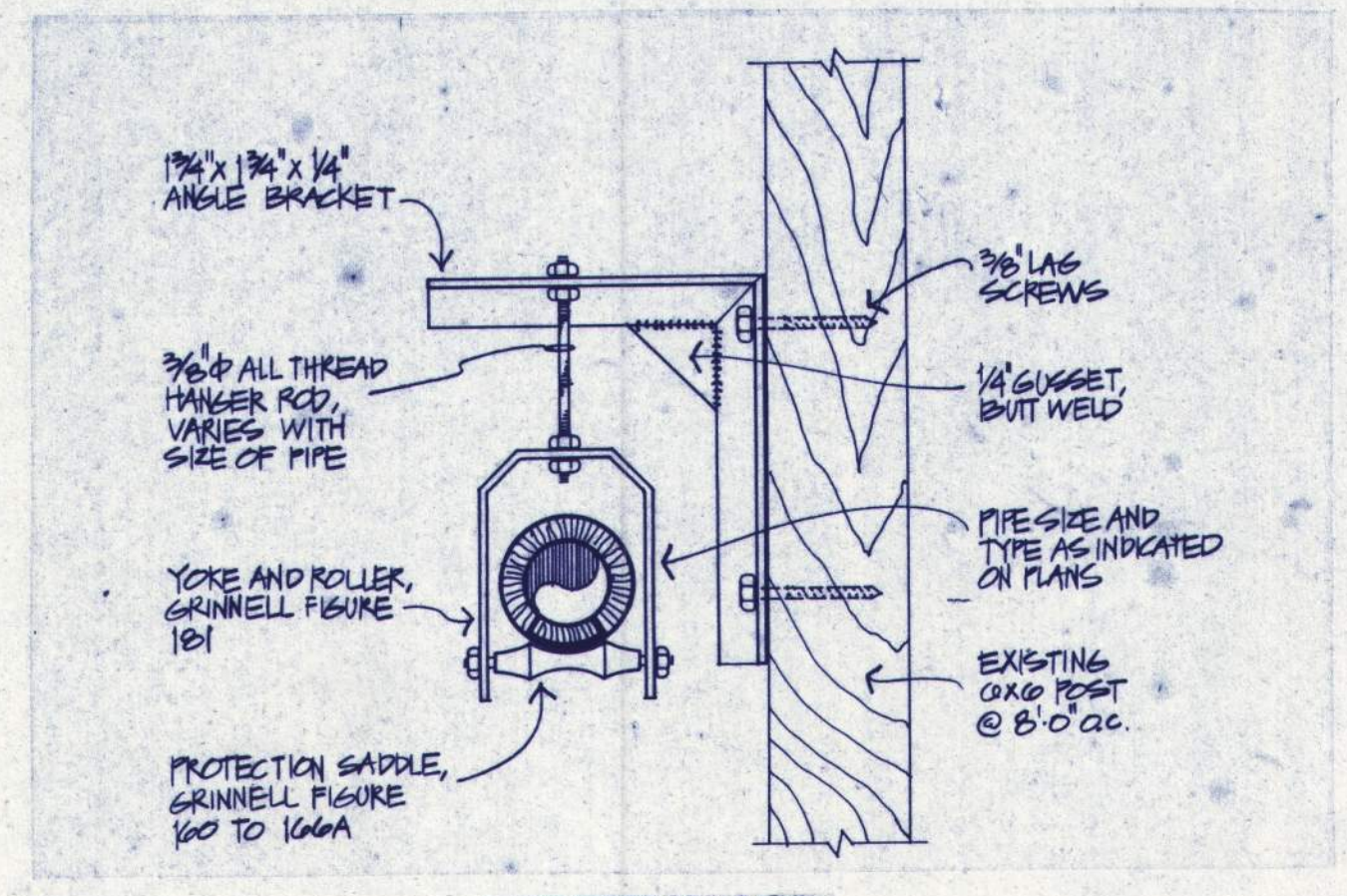
5 SECTION THRU C-UNIT 1ST FLR.
SCALE: 1/4" = 1'-0"



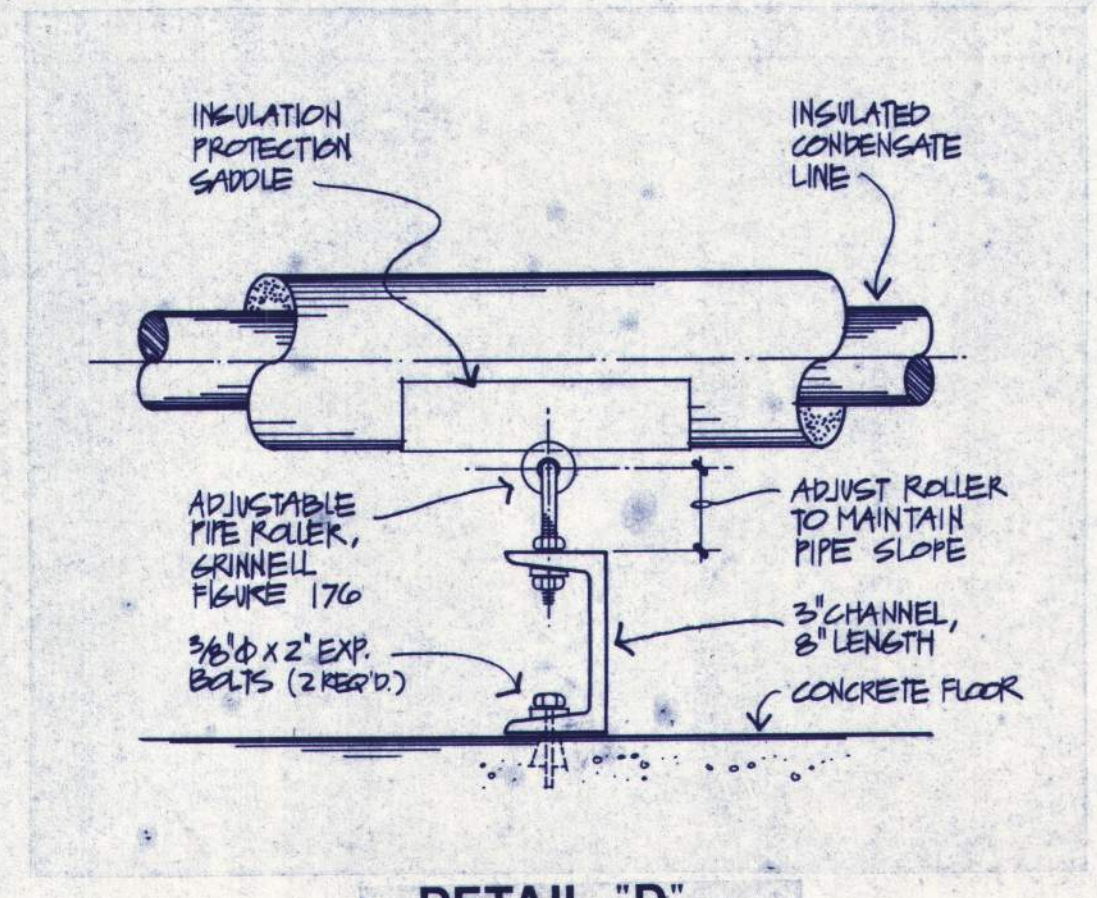
DETAIL "A"



DETAIL "B"



DETAIL "C"

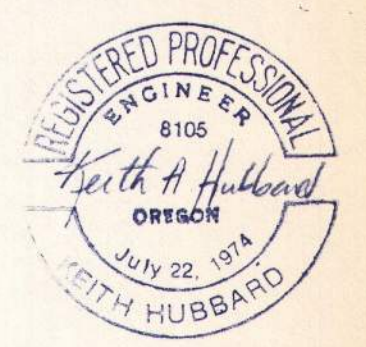


DETAIL "D"

6 PIPE SUPPORTS
NO SCALE

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DATE 2/10/88
JOB 8016

M18



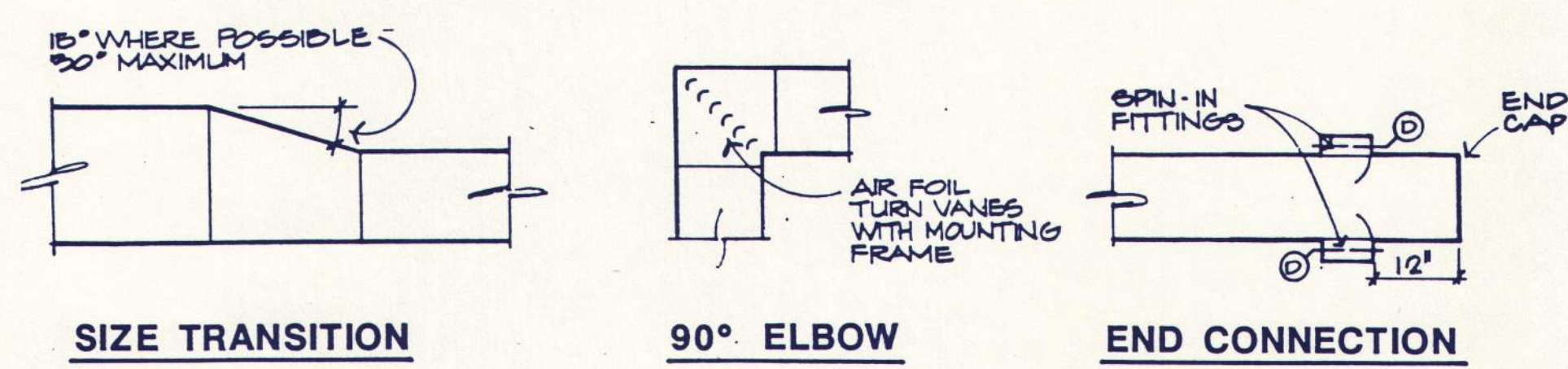
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MECHANICAL & ELECTRICAL ENGINEERS
460 MARBLE STREET, EUGENE, OREGON 97401

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
838 S. W. LAUREL LANE, PORTLAND, OREGON 97205

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WEGROUP pc / ARCHITECTS & PLANNERS
122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
853 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3249

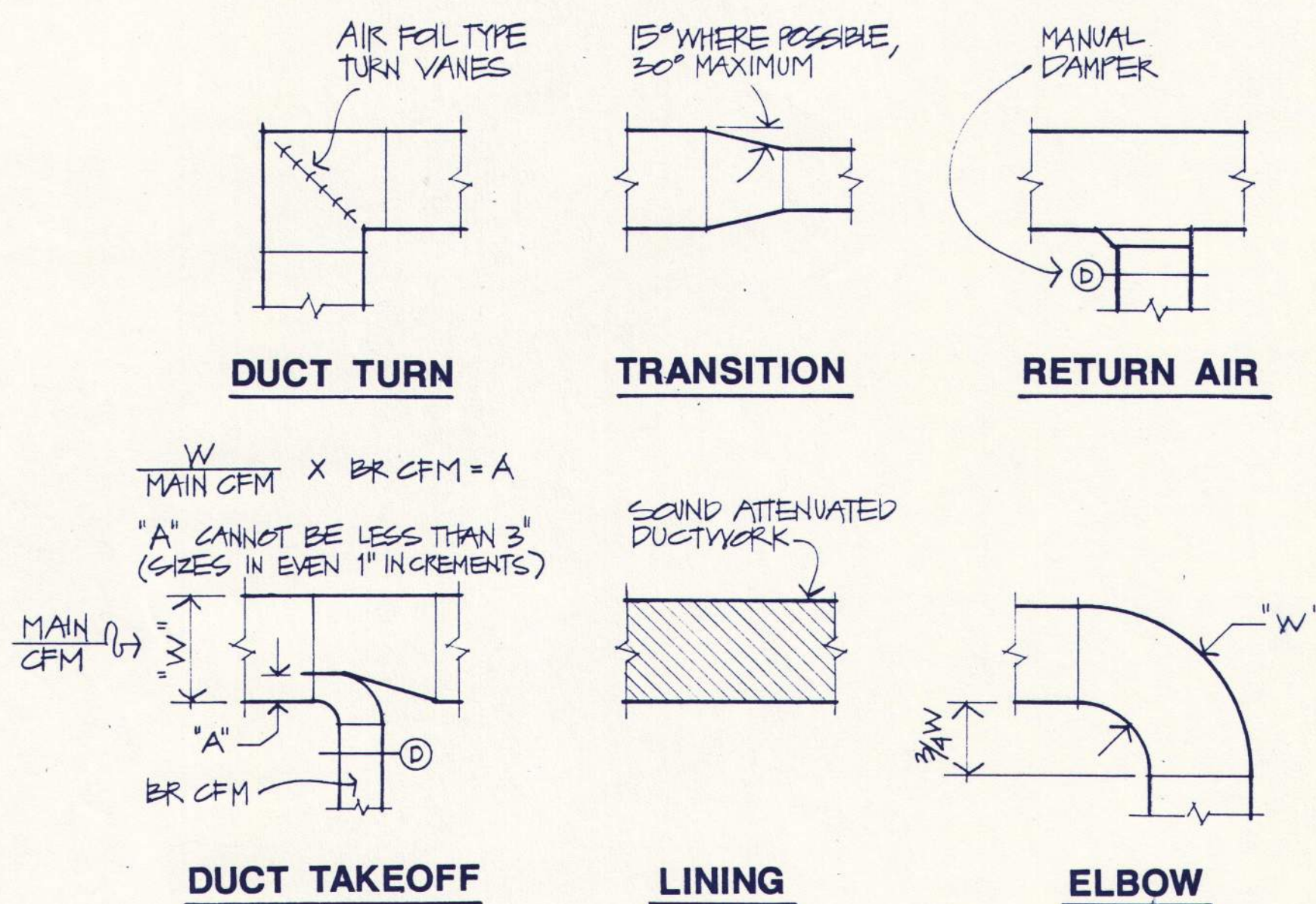


SIZE TRANSITION

90° ELBOW

END CONNECTION

1 LOW PRESSURE FIBERGLASS DUCT
NO SCALE



DUCT TURN

TRANSITION

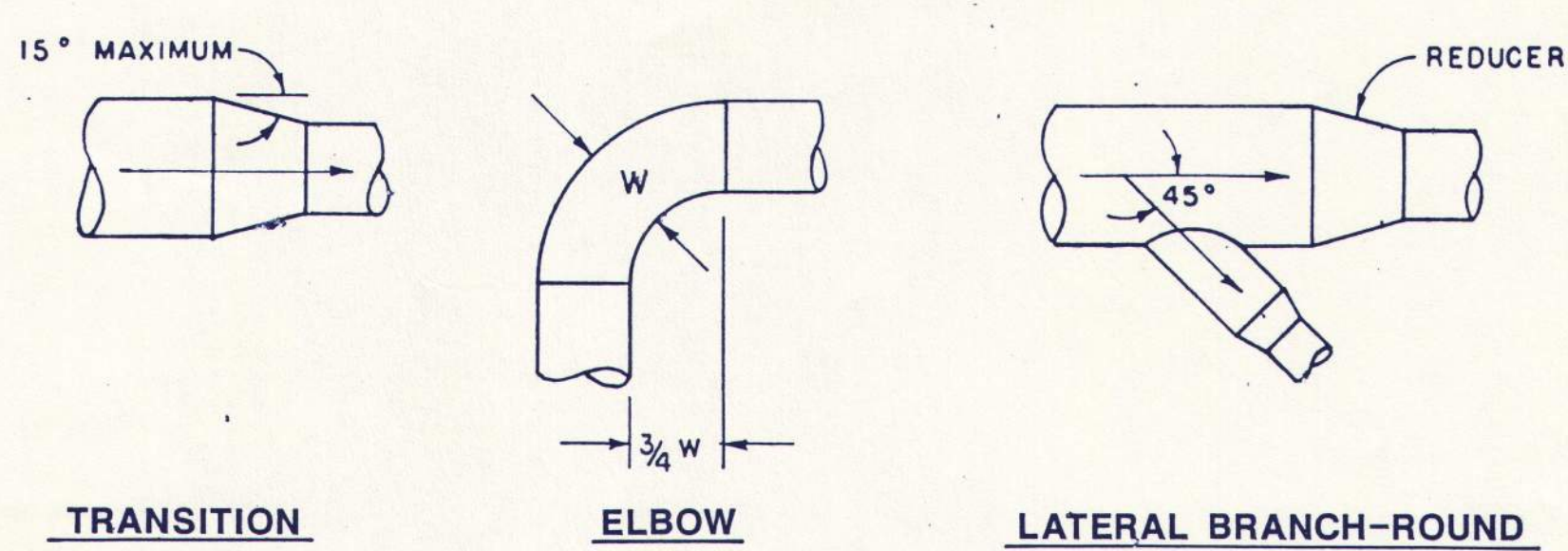
RETURN AIR

DUCT TAKEOFF

LINING

ELBOW

2 RECTANGULAR SHEET METAL DUCT
NO SCALE

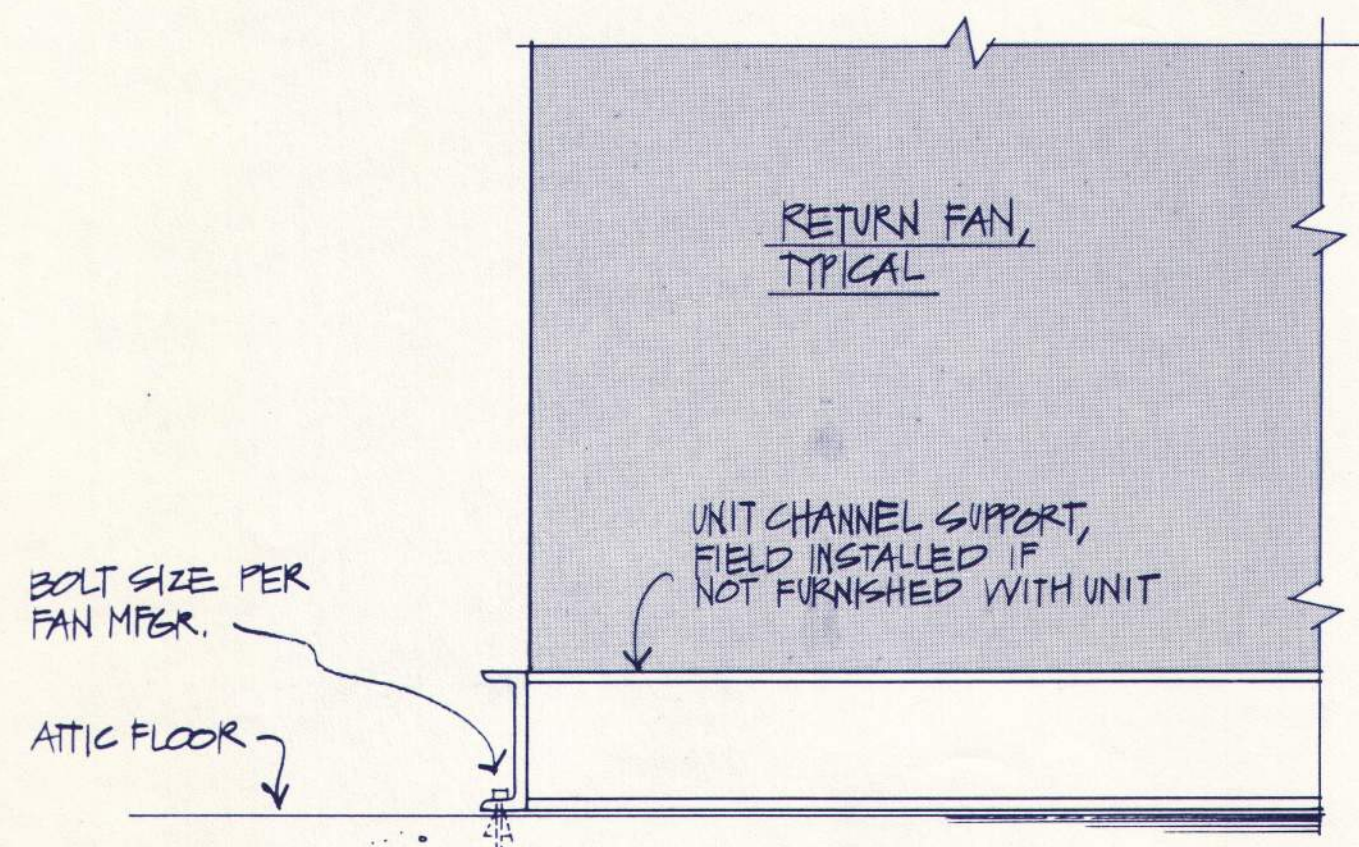


TRANSITION

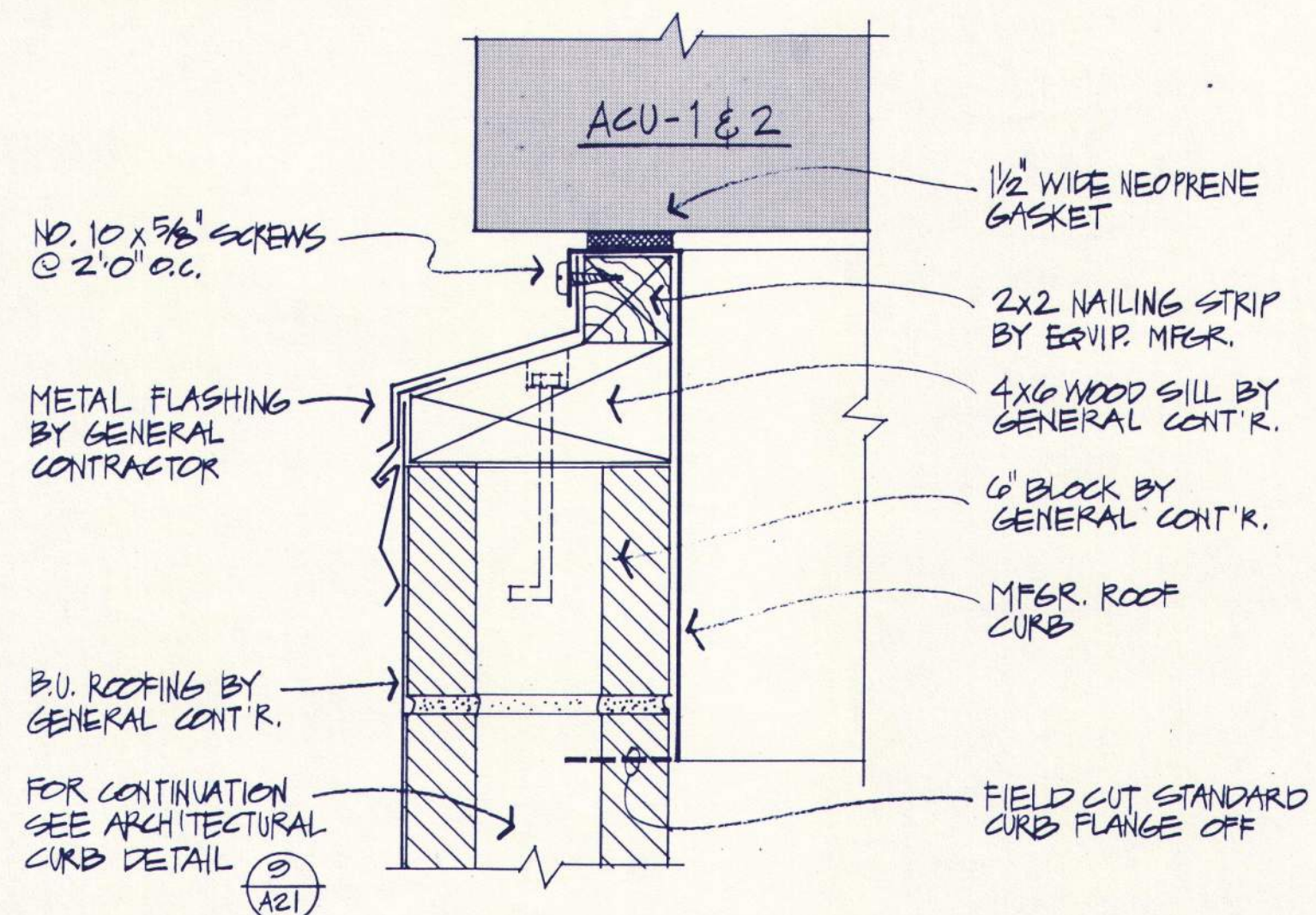
ELBOW

LATERAL BRANCH-ROUND

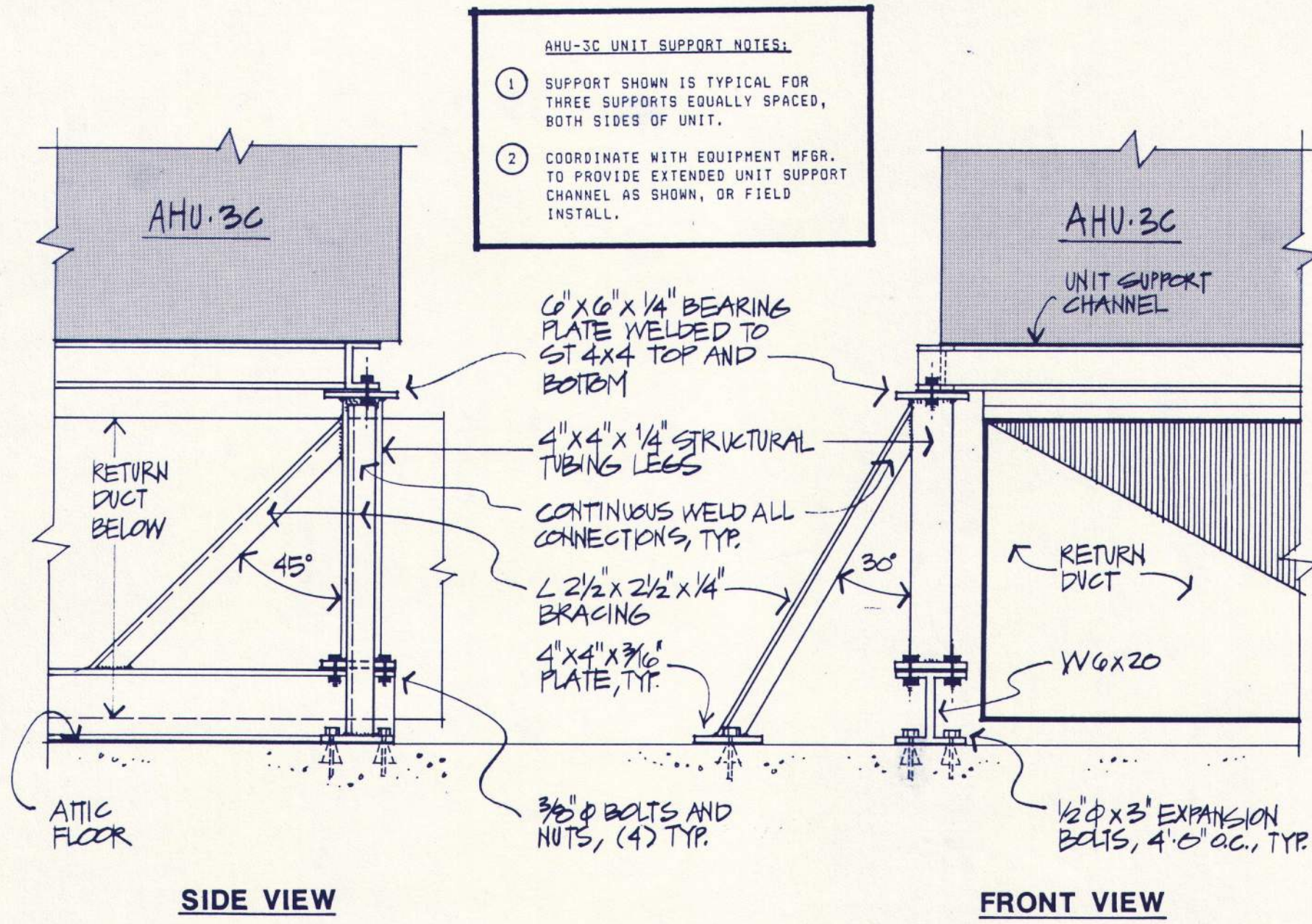
3 ROUND SHEET METAL DUCT
NO SCALE



4 RETURN FAN SUPPORT
NO SCALE



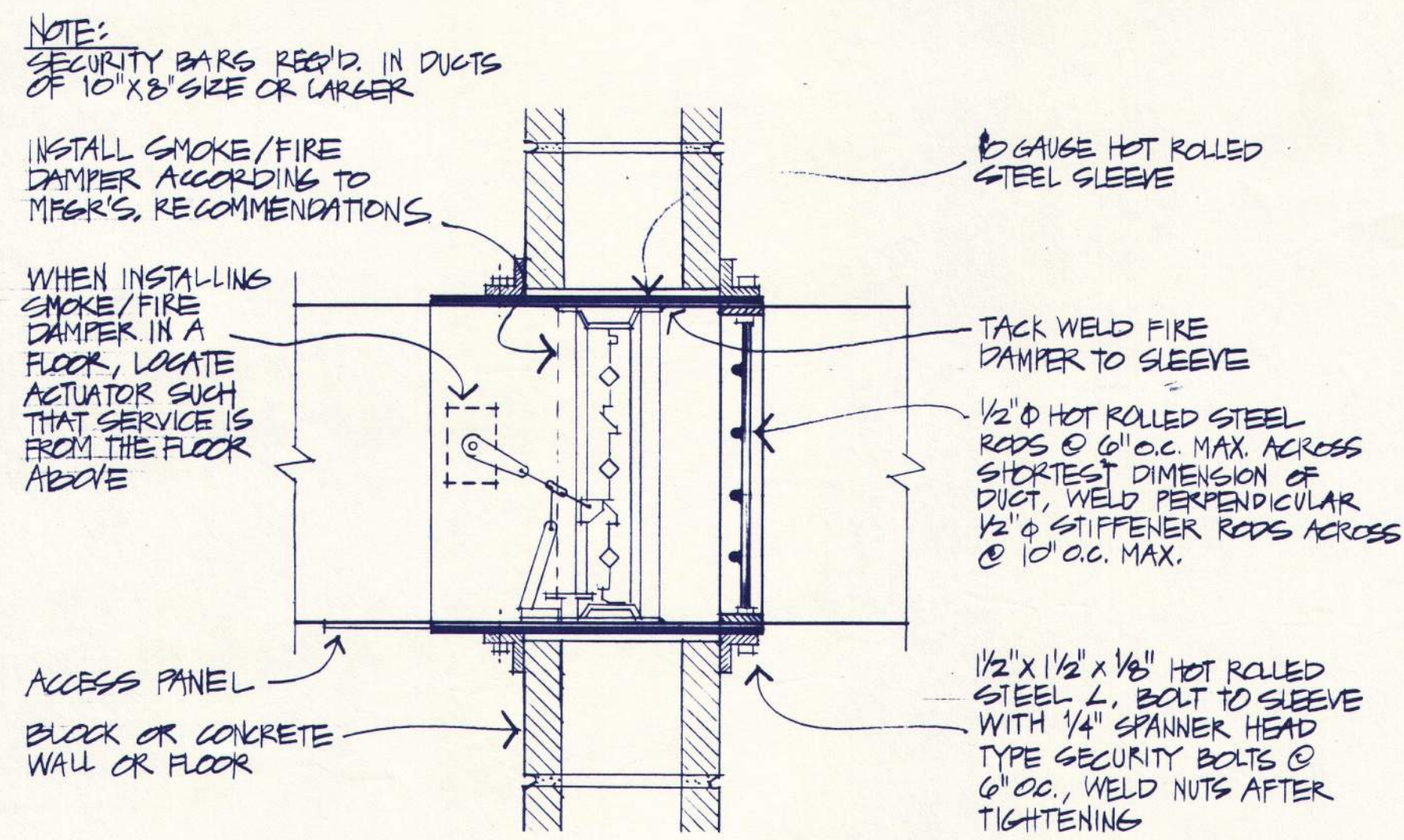
5 ACU-1/ACU-2 ROOF CURB
NO SCALE



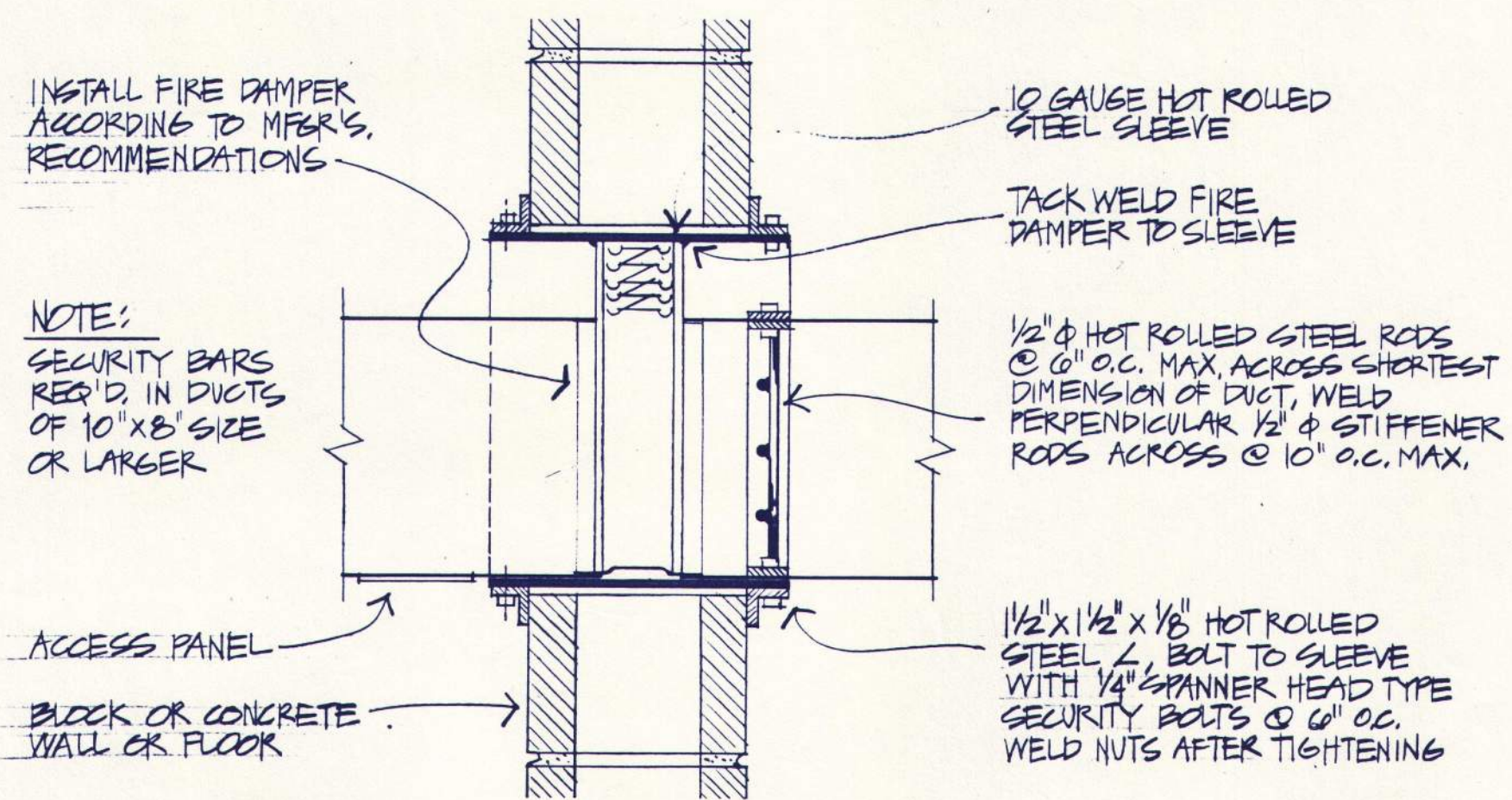
SIDE VIEW

FRONT VIEW

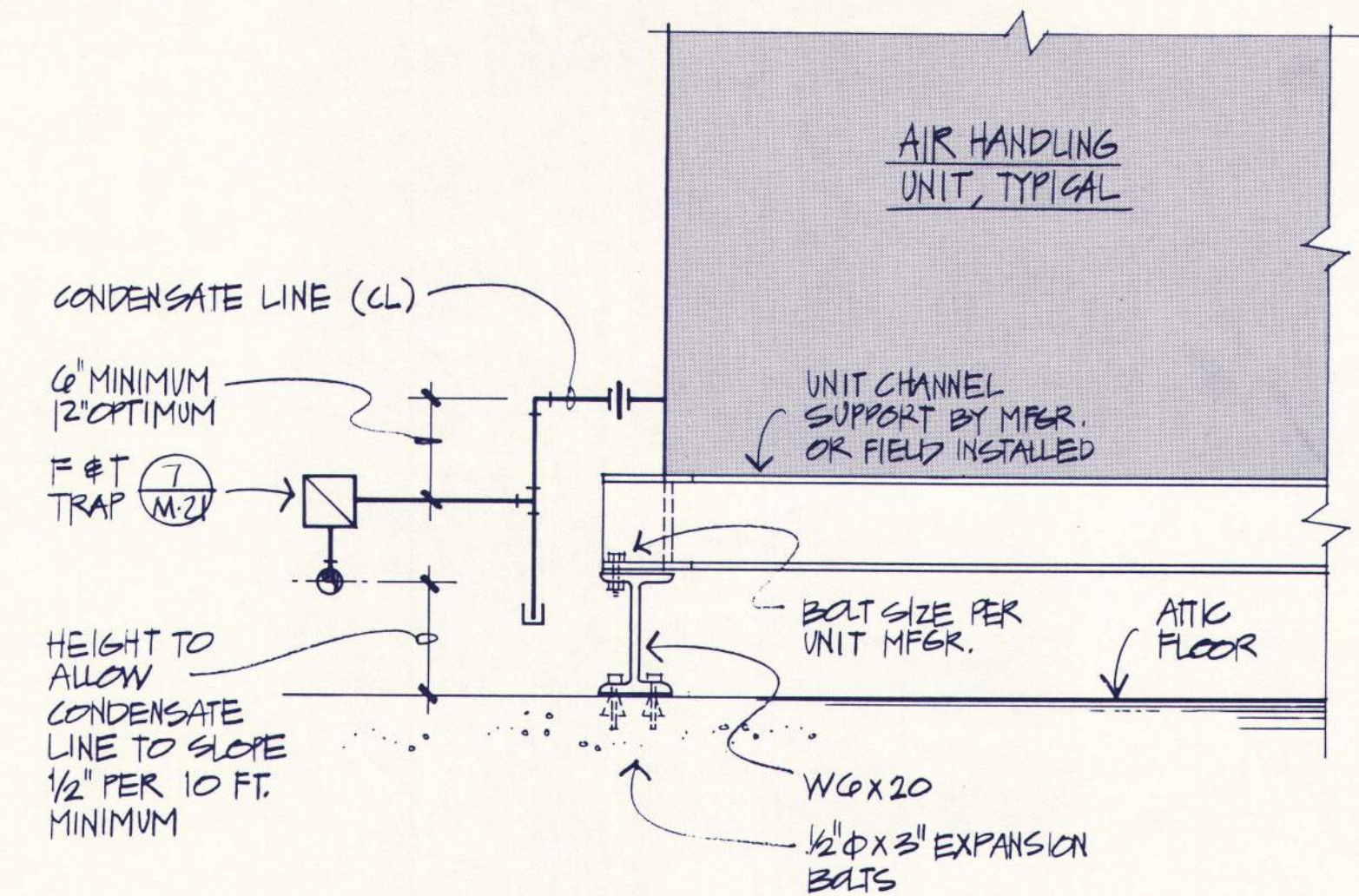
6 AHU-3C UNIT SUPPORT
NO SCALE



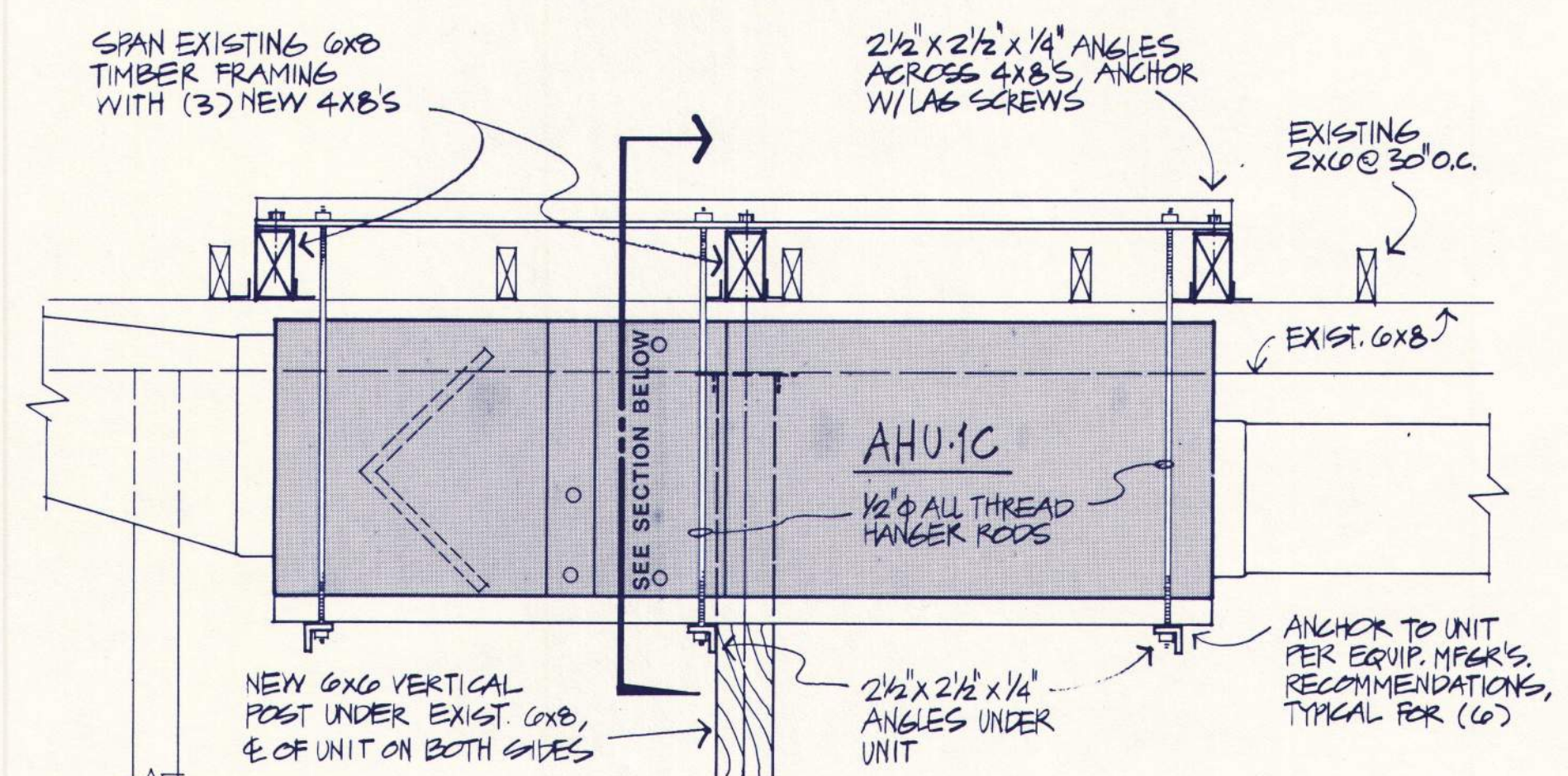
7 SECURITY BARS WITH SMOKE/FIRE DAMPER
NO SCALE



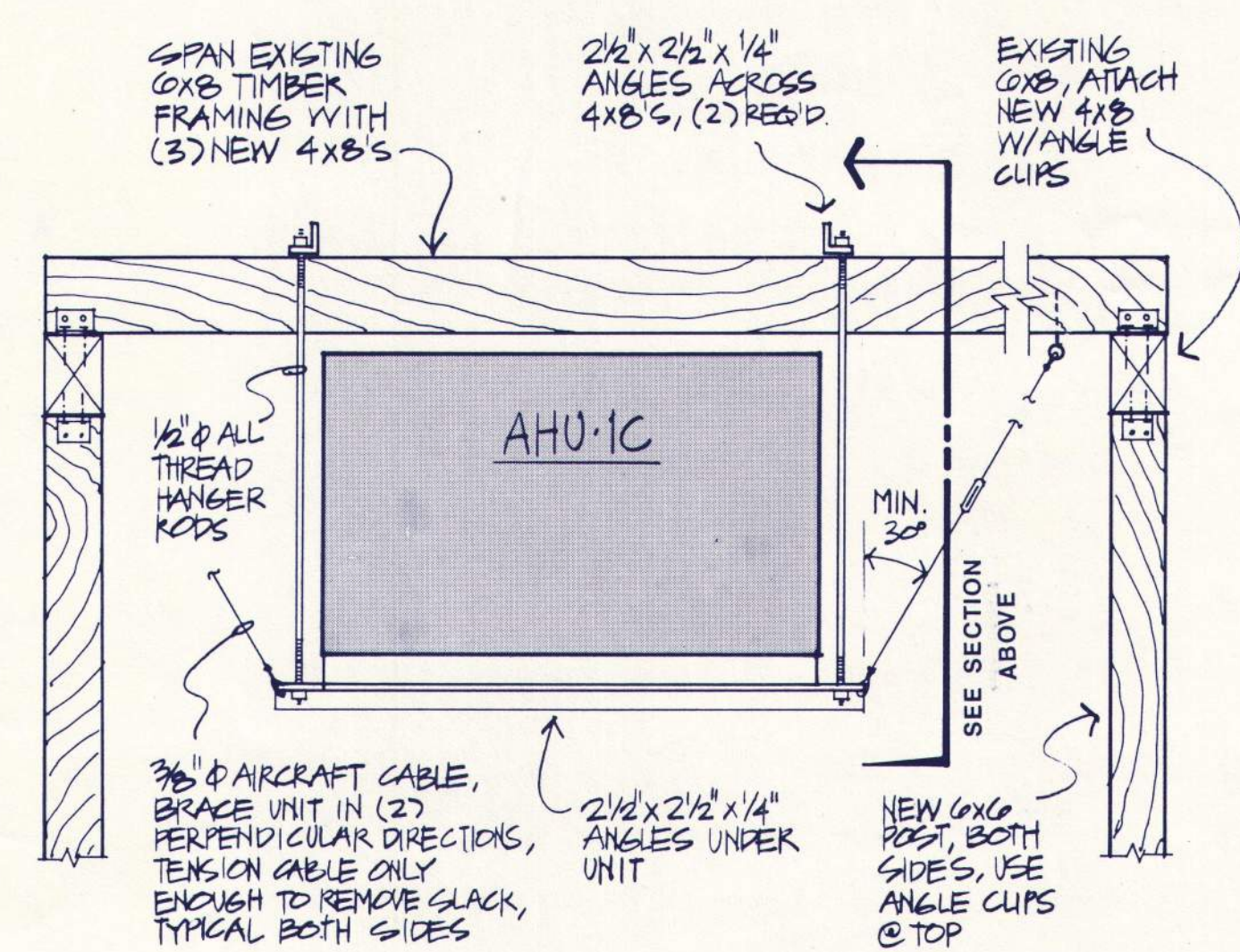
8 SECURITY BARS WITH FIRE DAMPER
NO SCALE



9 AIR HANDLING UNIT
NO SCALE



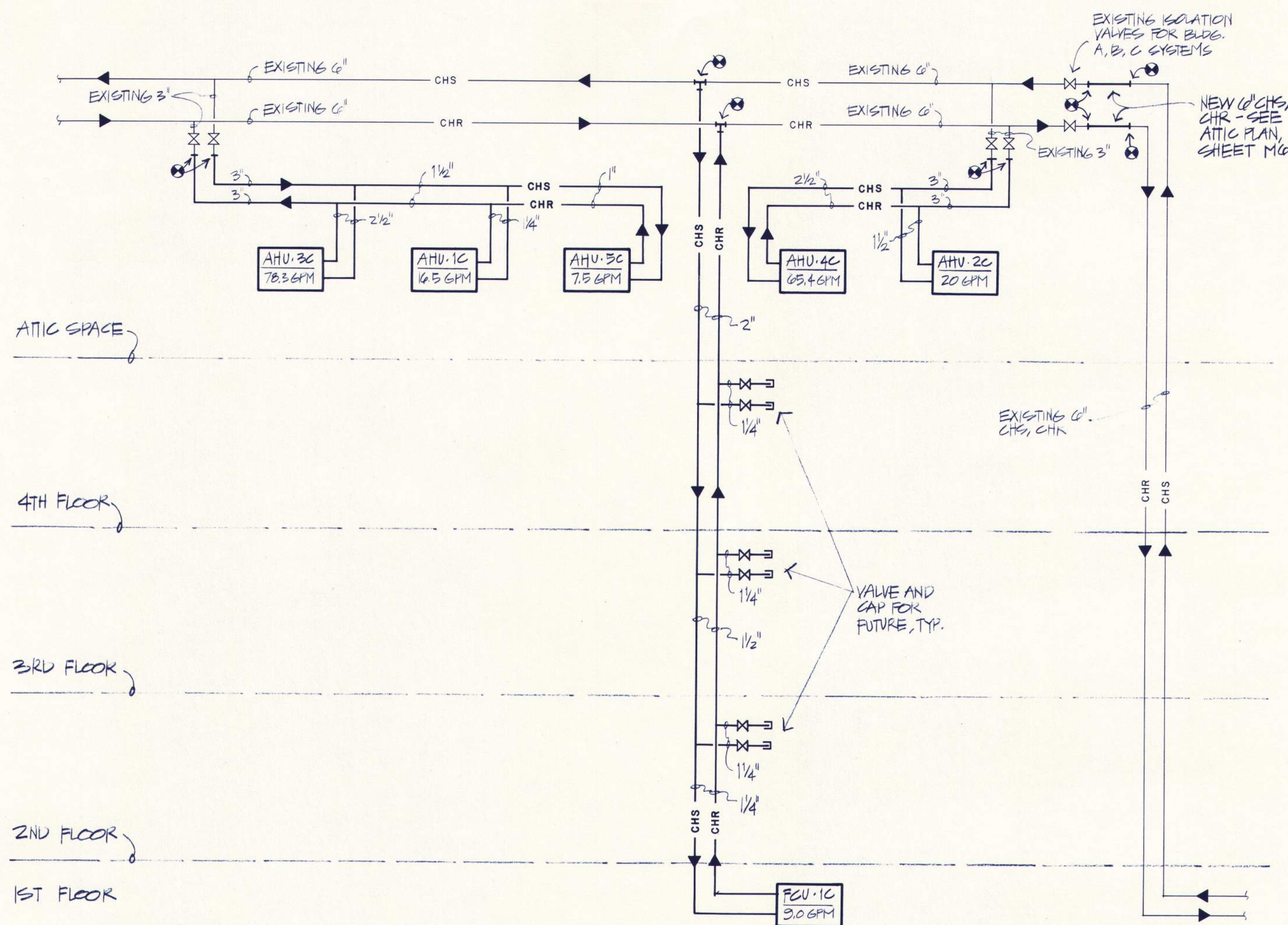
LONGITUDINAL SECTION



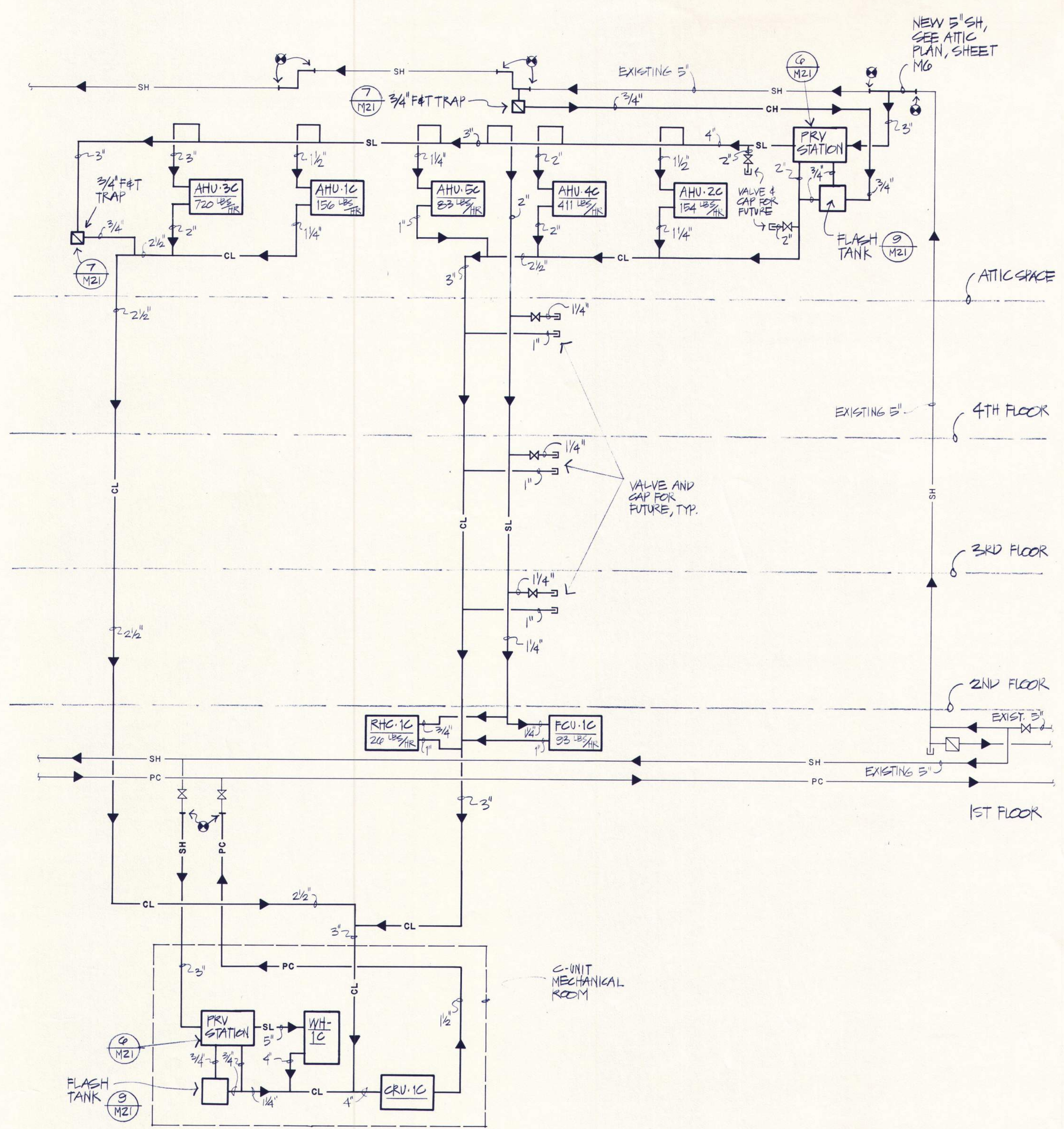
CROSS SECTION

10 ACU-1 HANGER SUPPORT
NO SCALE

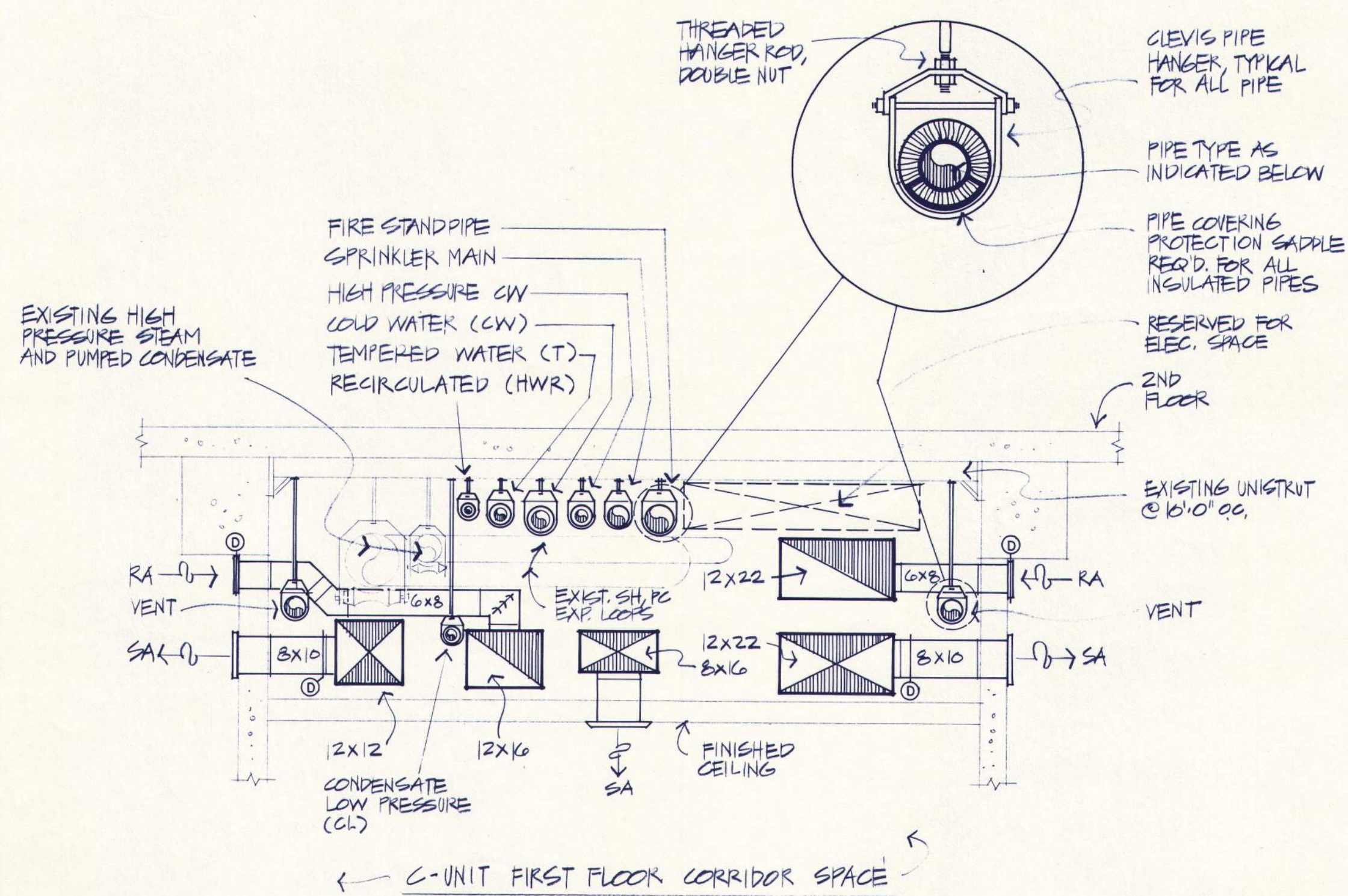
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1 CHILLED WATER RISER DIAGRAM - C UNIT
NO SCALE



2 STEAM RISER DIAGRAM - C UNIT
NO SCALE



3 SECTION - C UNIT CORRIDOR - MECHANICAL
SCALE: 1/2" = 1'-0"



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
880 MONMOUTH STREET, EUGENE, OREGON 97401

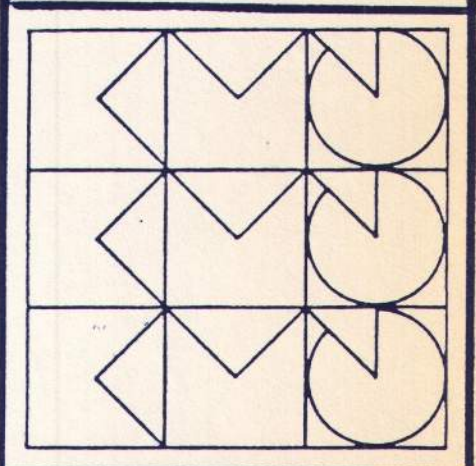
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECTS
1937 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
858 S.W. LAUREL LEAF LANE, PORTLAND, OREGON 97225

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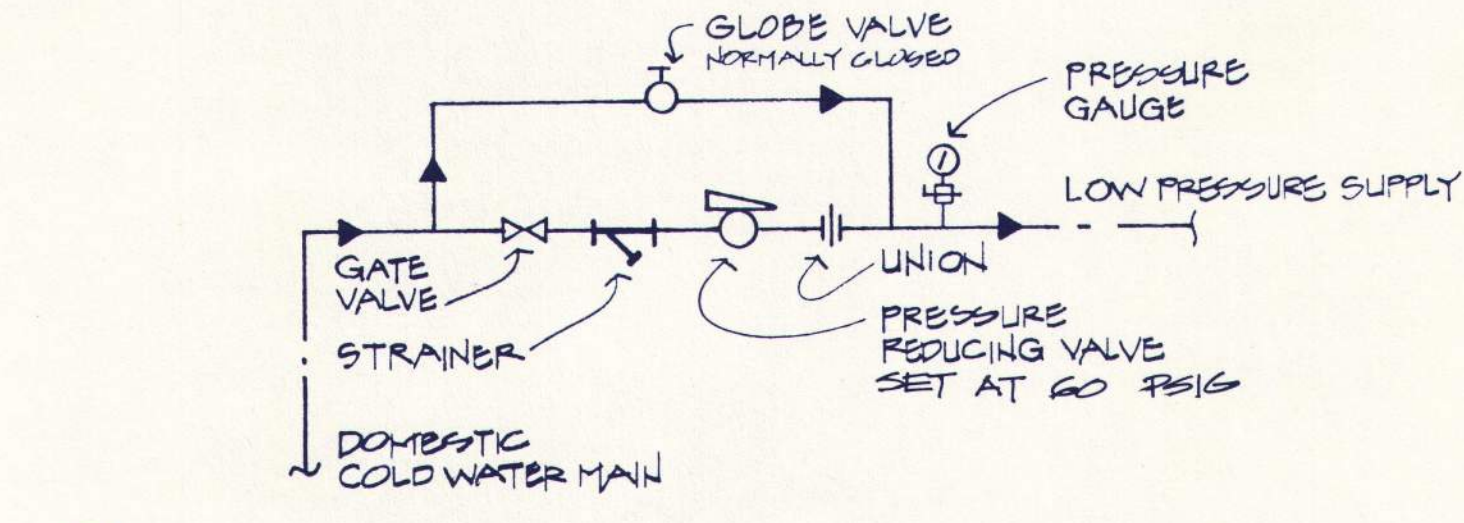
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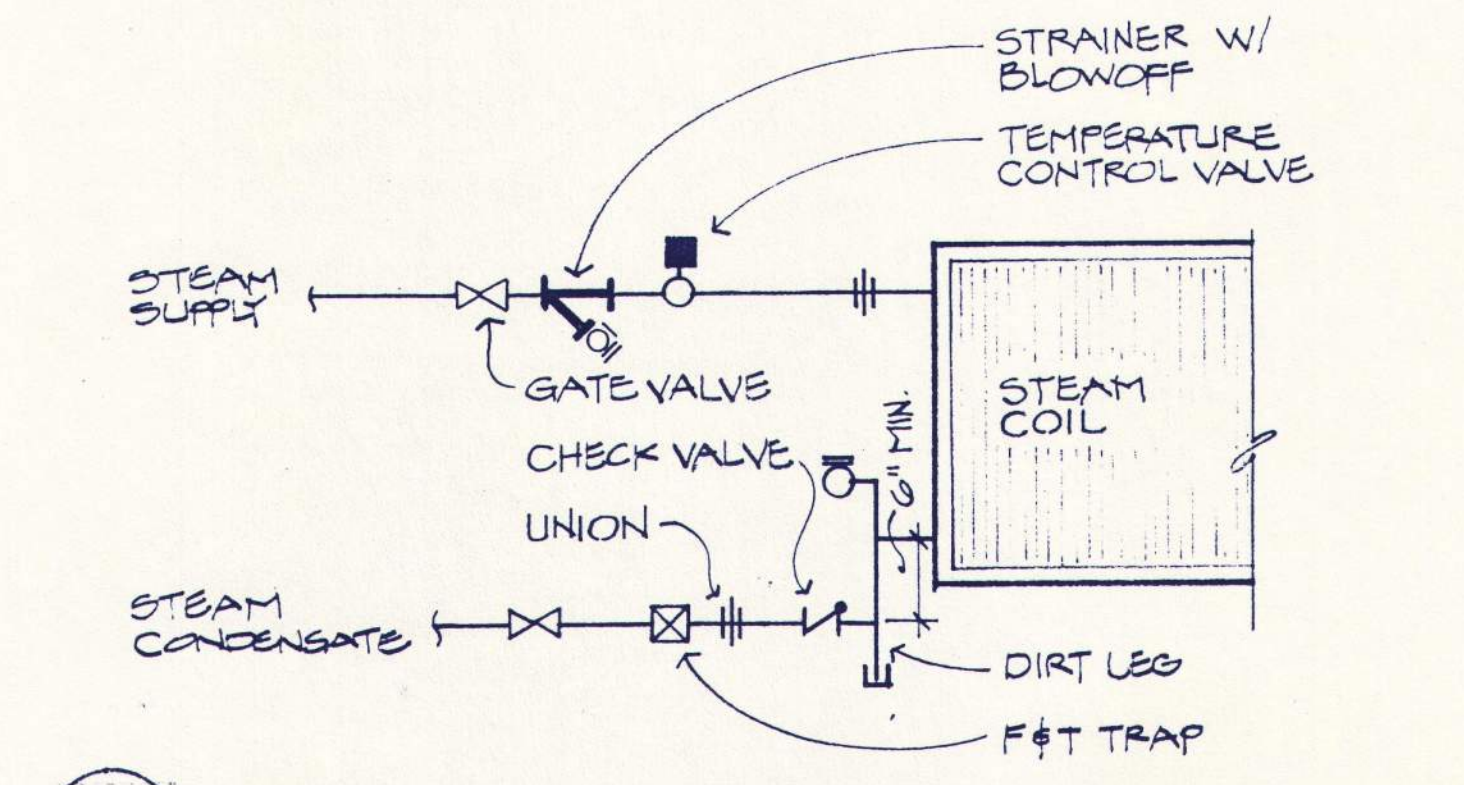


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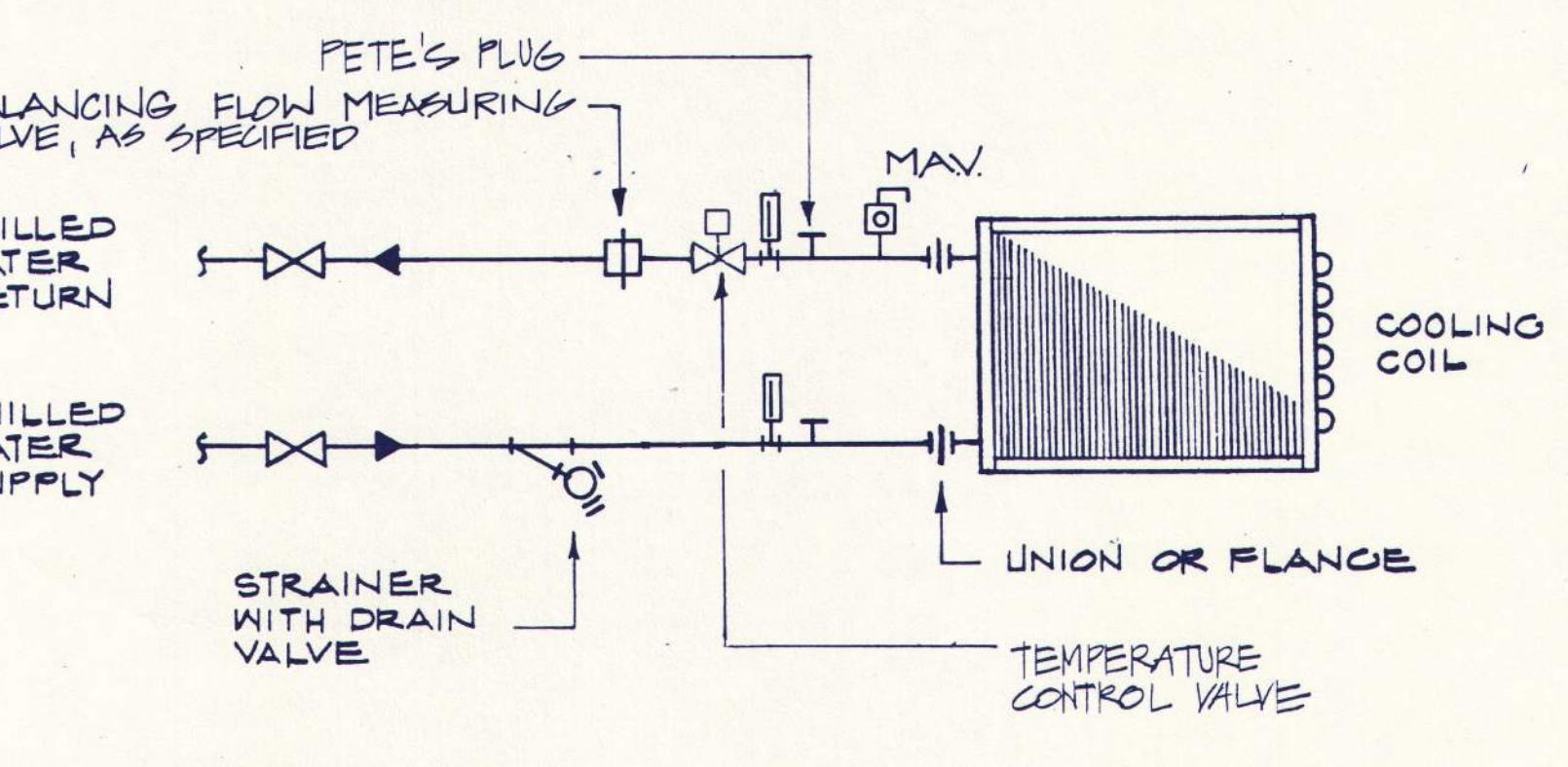
M20



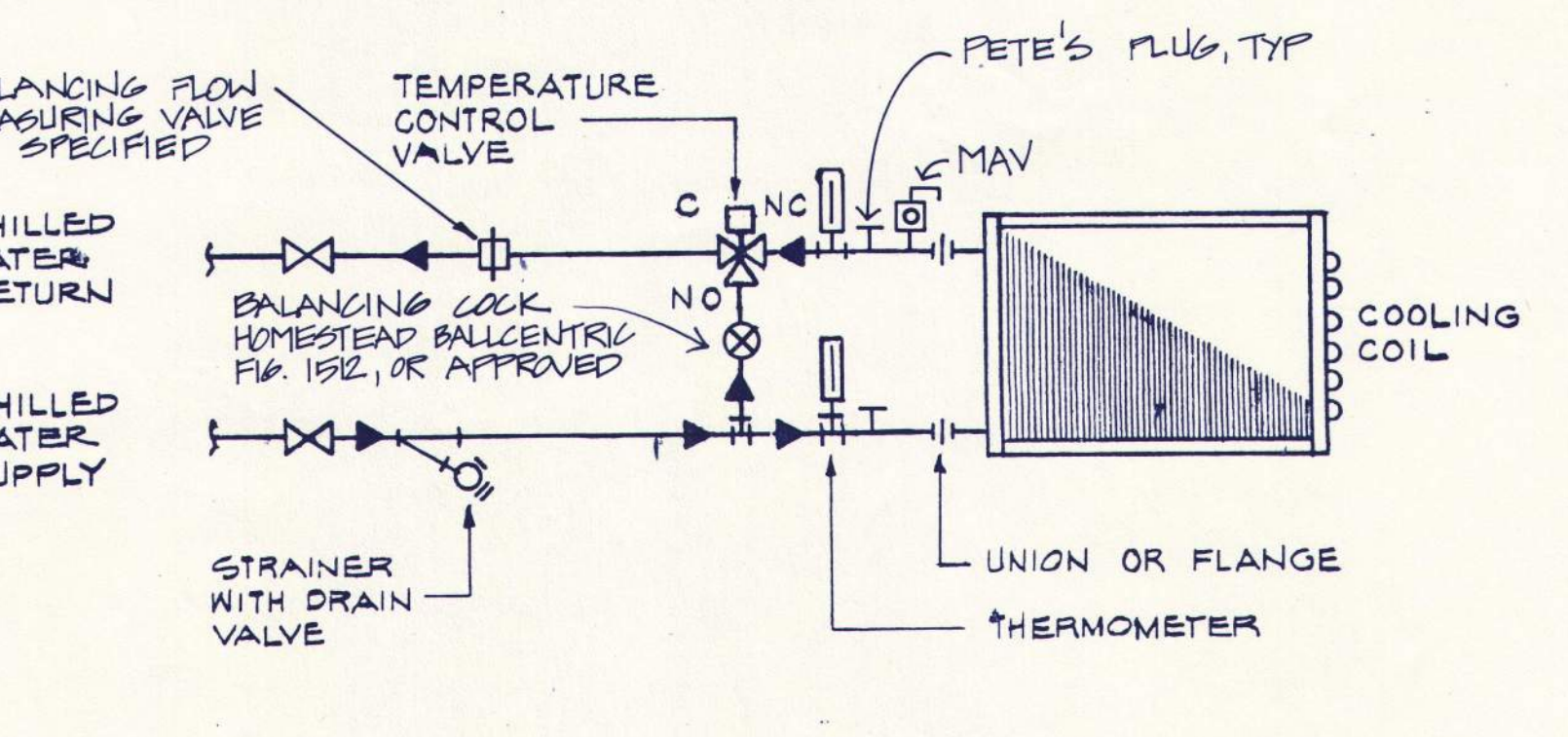
1 WATER PRESSURE REDUCING STATION
NO SCALE



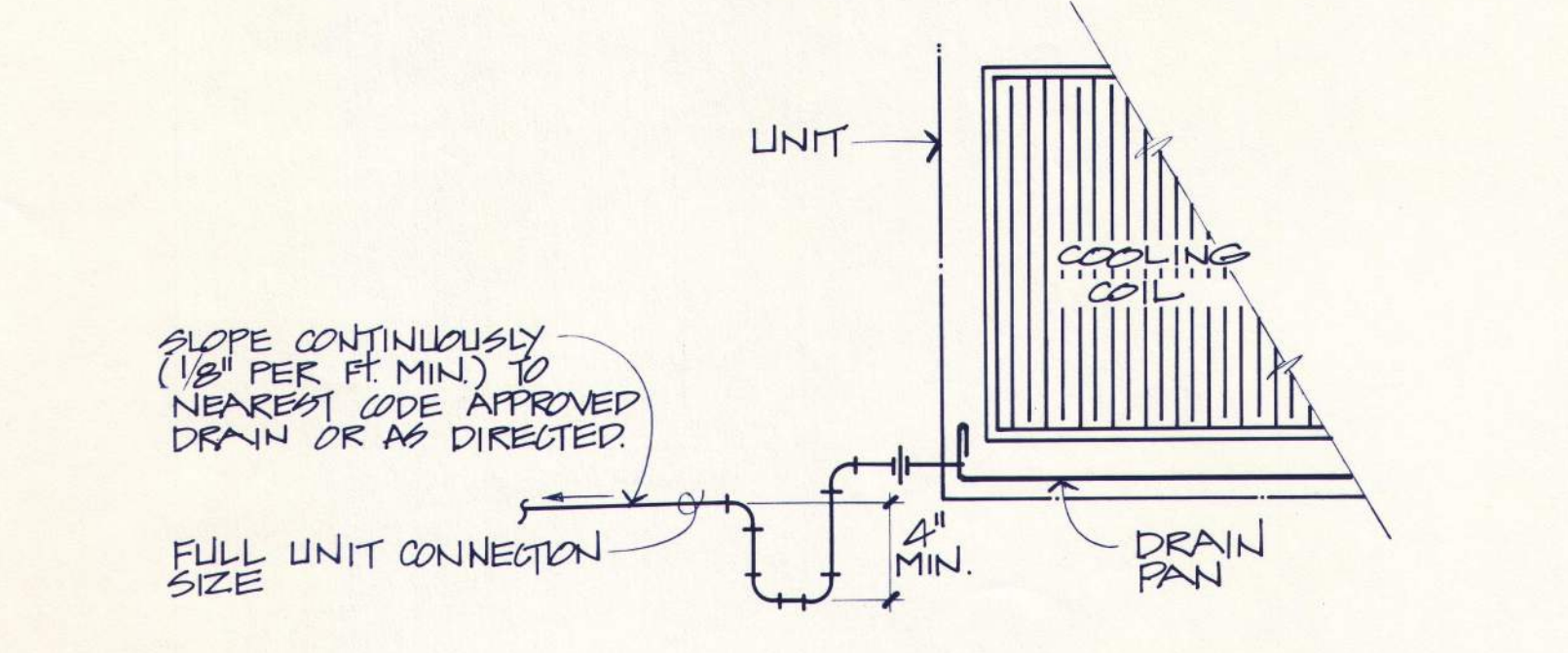
2 STEAM COIL PIPING DETAIL
NO SCALE



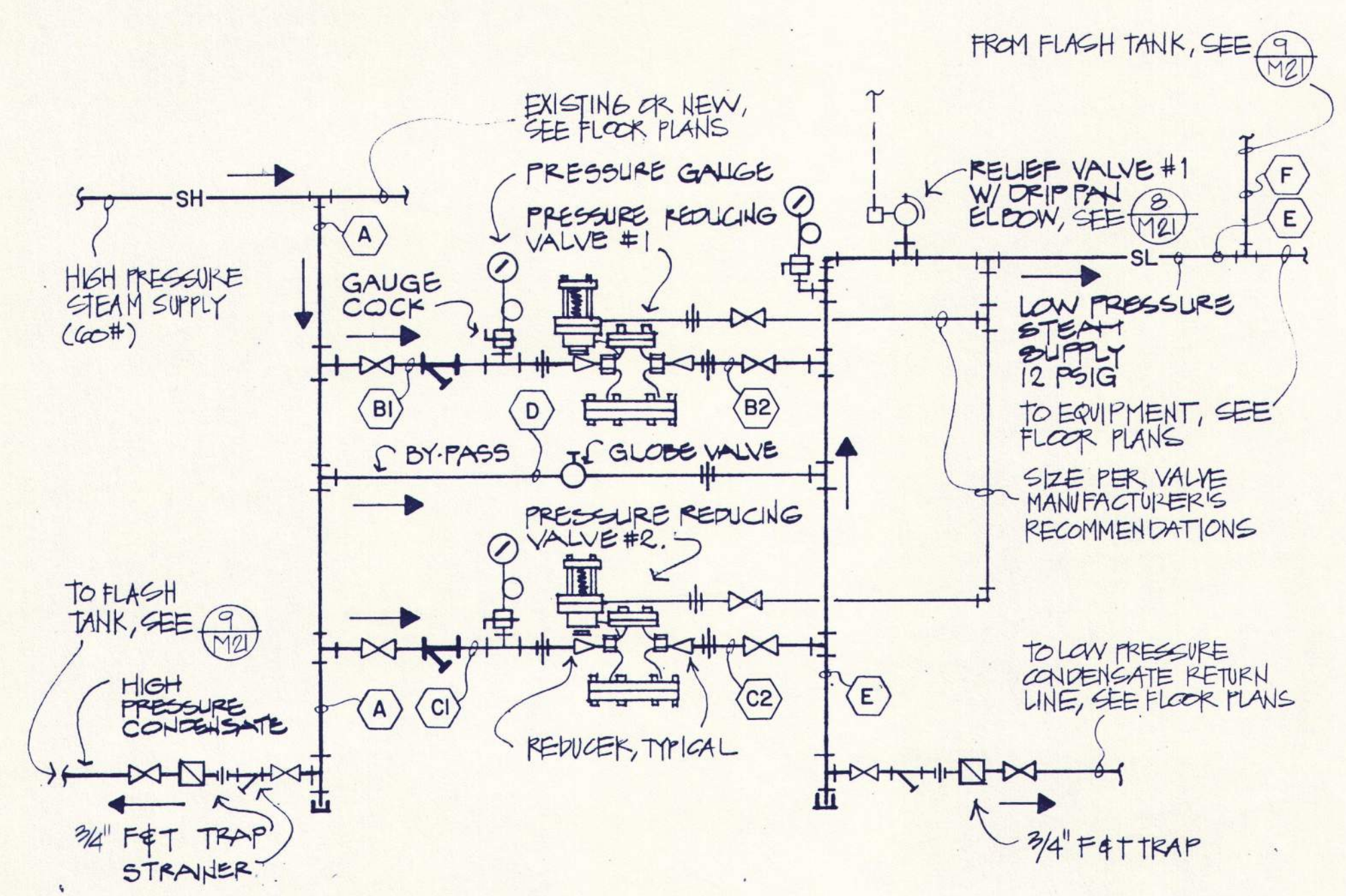
3 COOLING COIL PIPING, 2-WAY
NO SCALE



4 COOLING COIL PIPING, 3-WAY
NO SCALE

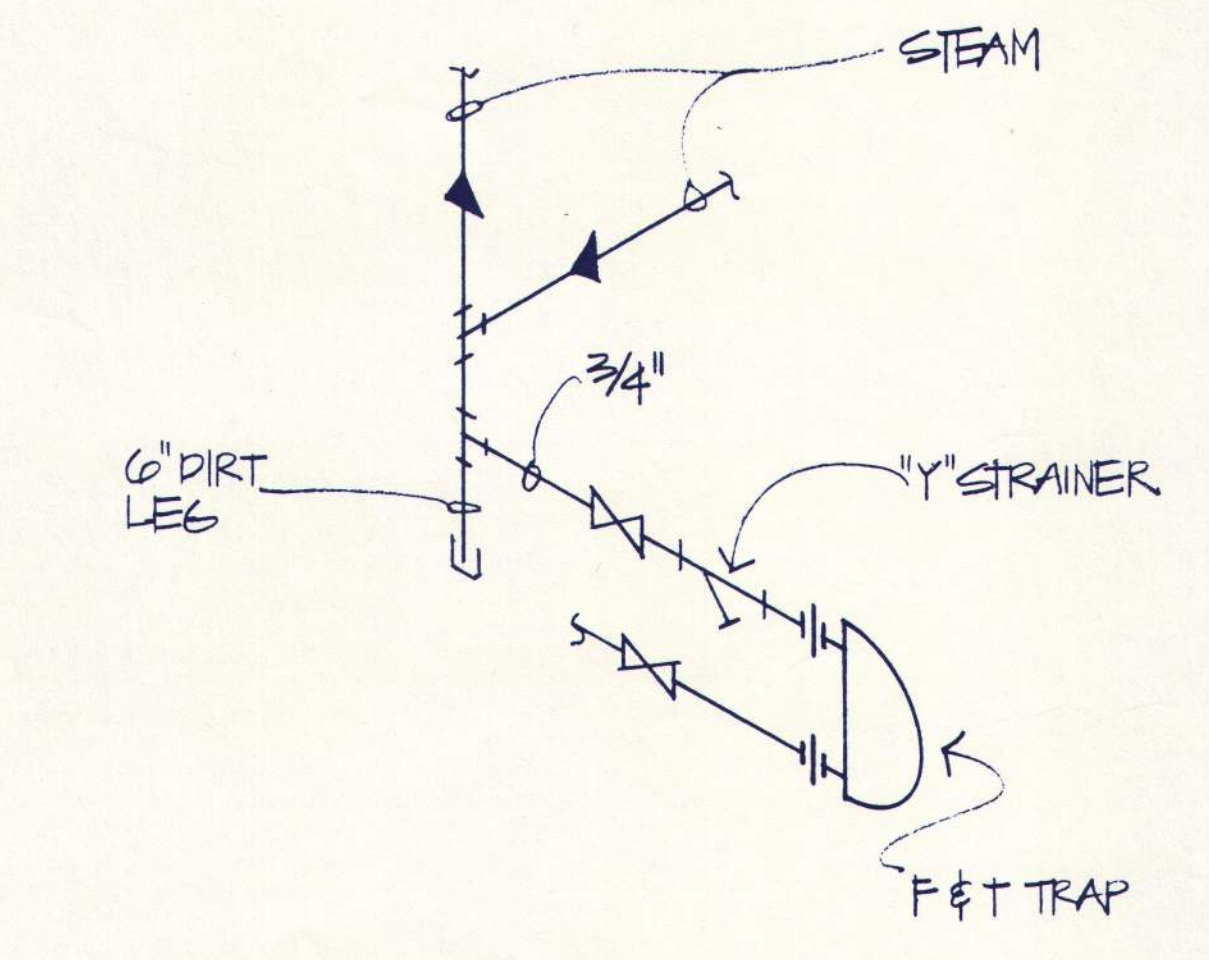


5 COOLING COIL CONDENSATE DRAIN
NO SCALE

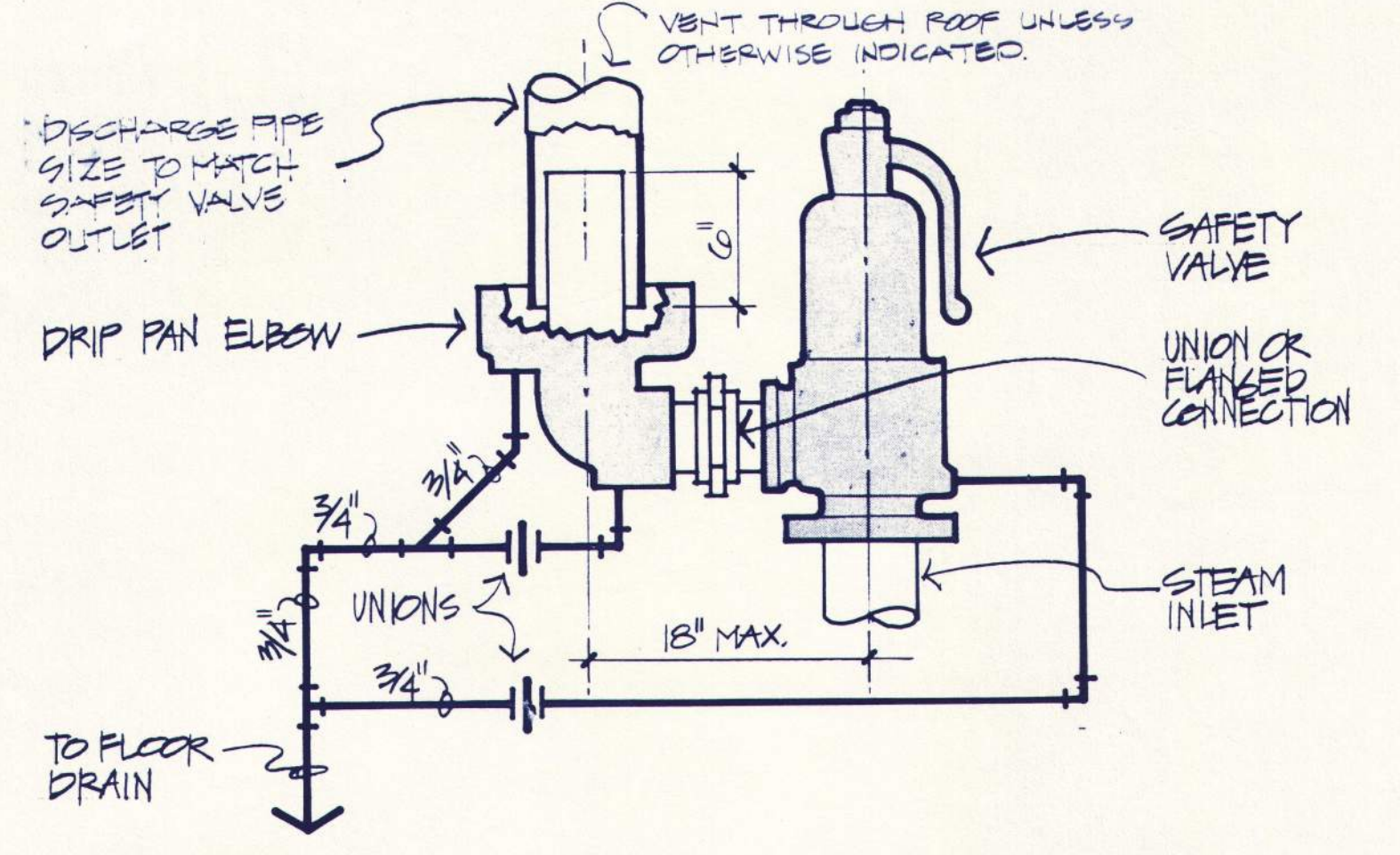


6 STEAM PRESSURE REDUCING STATION
NO SCALE

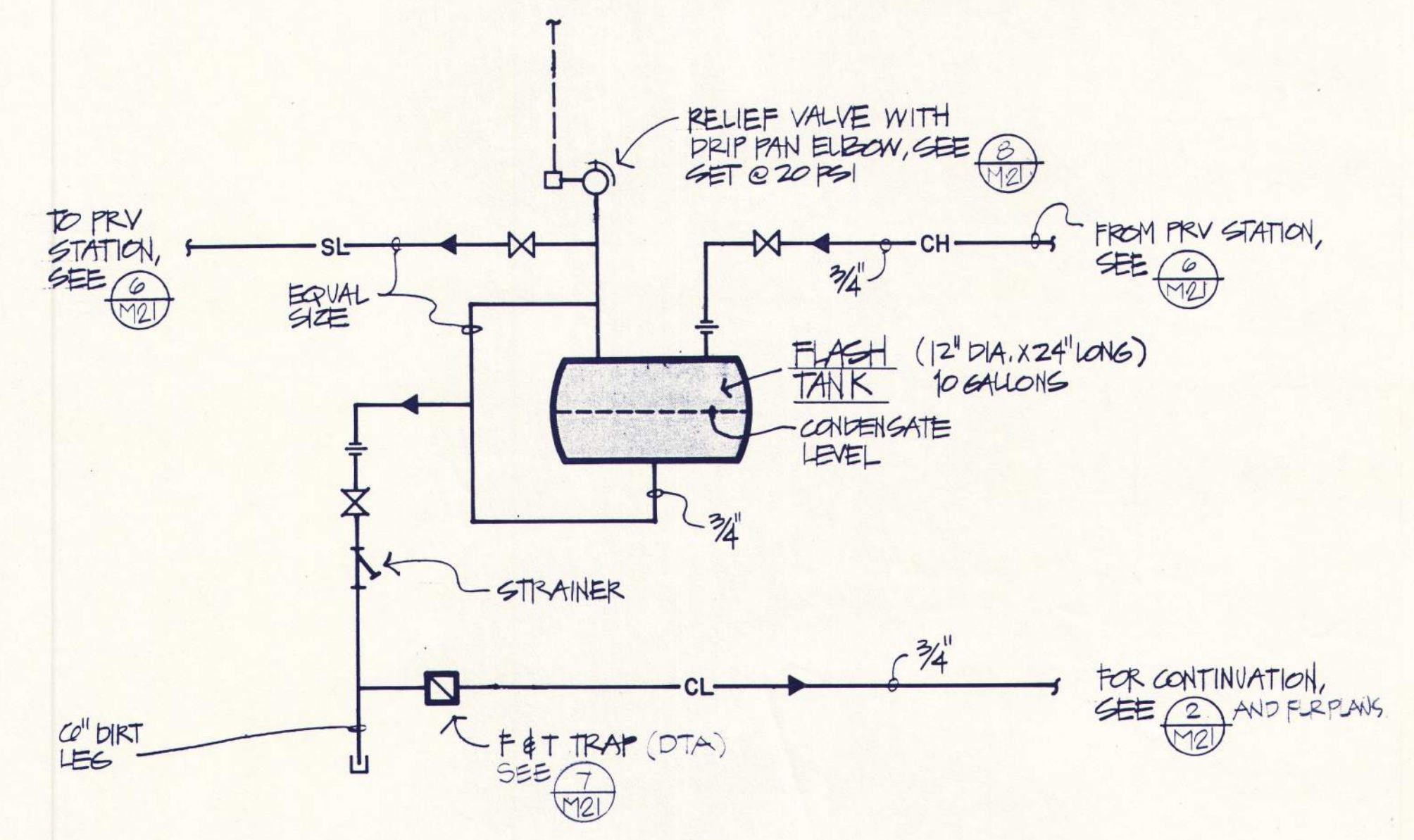
ROOM NO.	PIPE SIZE - IN INCHES							PRV #1 LBS/HR	PRV #2 LBS/HR	RELIEF VALVE #1 SET @ PSIG		
	A	B1	B2	C1	C2	D	E					
MECHANICAL ROOMS - FIRST FLOOR												
C149	3"	3"	4"	2"	3"	2 1/2"	3"	1 1/4"	2154	1917	4192	20
ATTIC SPACE												
C-UNIT	3"	2 1/2"	3"	1 1/2"	2 1/2"	1 1/2"	4"	1"	1000	800	2400	20



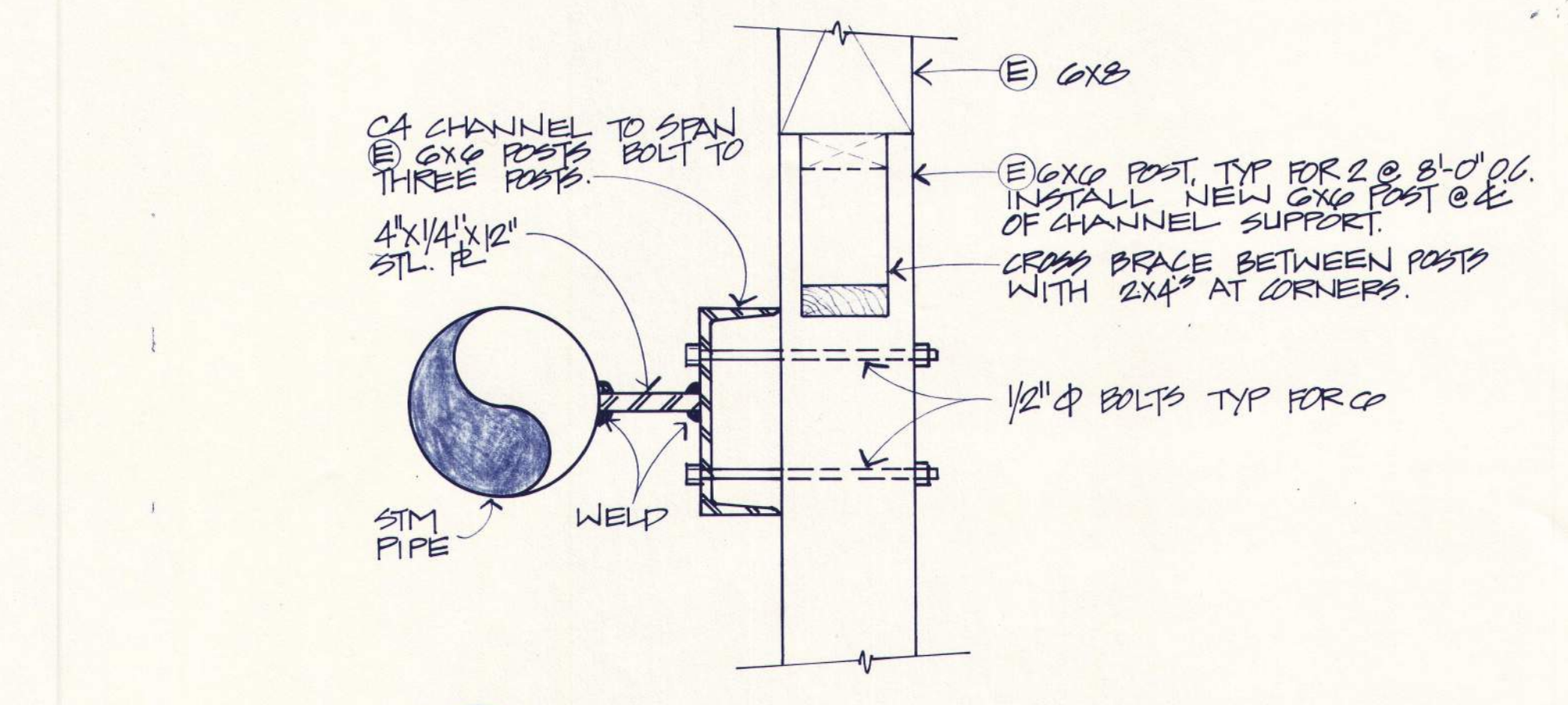
7 DRIP TRAP ASSEMBLY (DTA)
NO SCALE



8 DRIP PAN ELBOW
NO SCALE



9 FLASH TANK PIPING
NO SCALE



10 PIPE ANCHOR DETAIL
NO SCALE



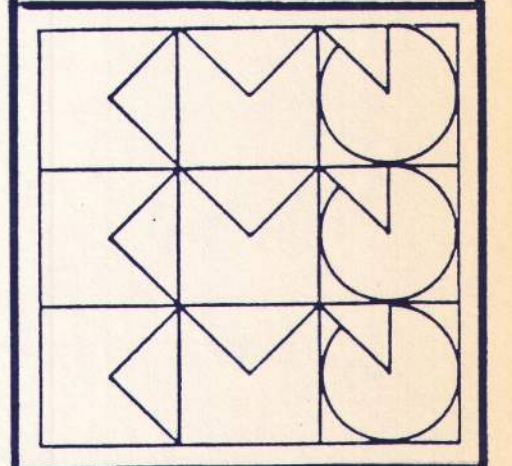
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
885 MAIN STREET, EUGENE, OREGON 97401

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1877 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
1990 S. W. LAMUEL LANE, PORTLAND, OREGON 97225

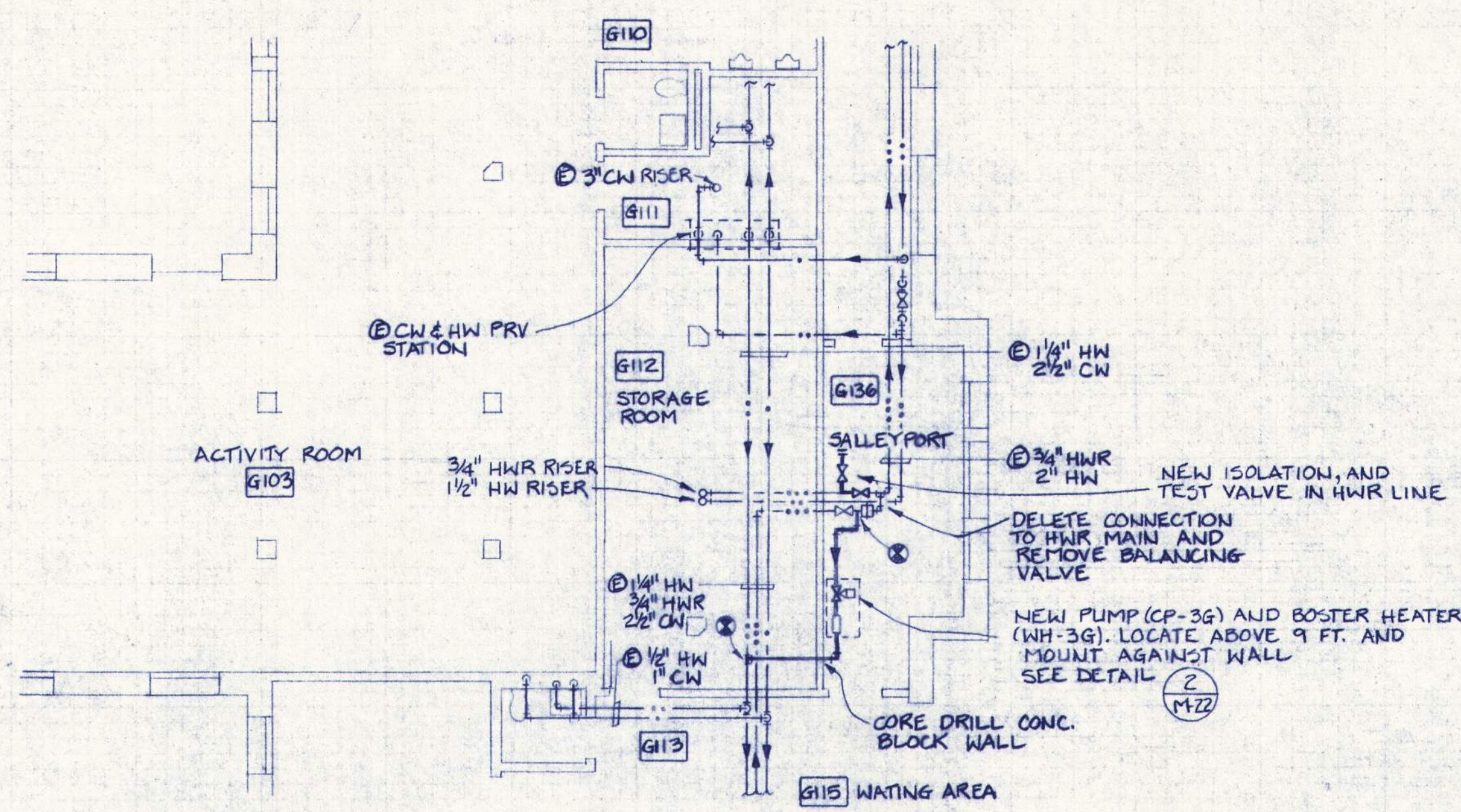
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CORRECTIONS DIVISION
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
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863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

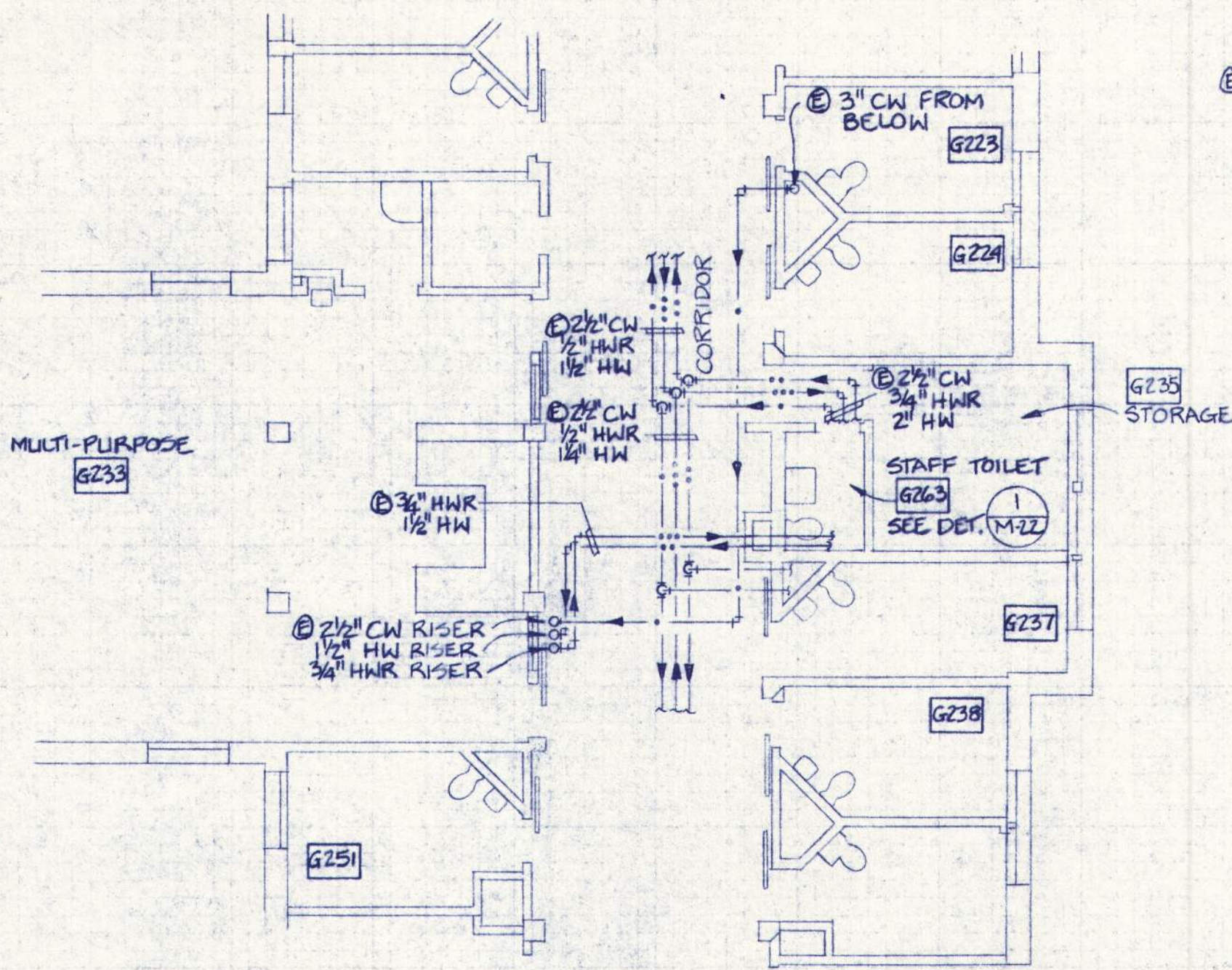


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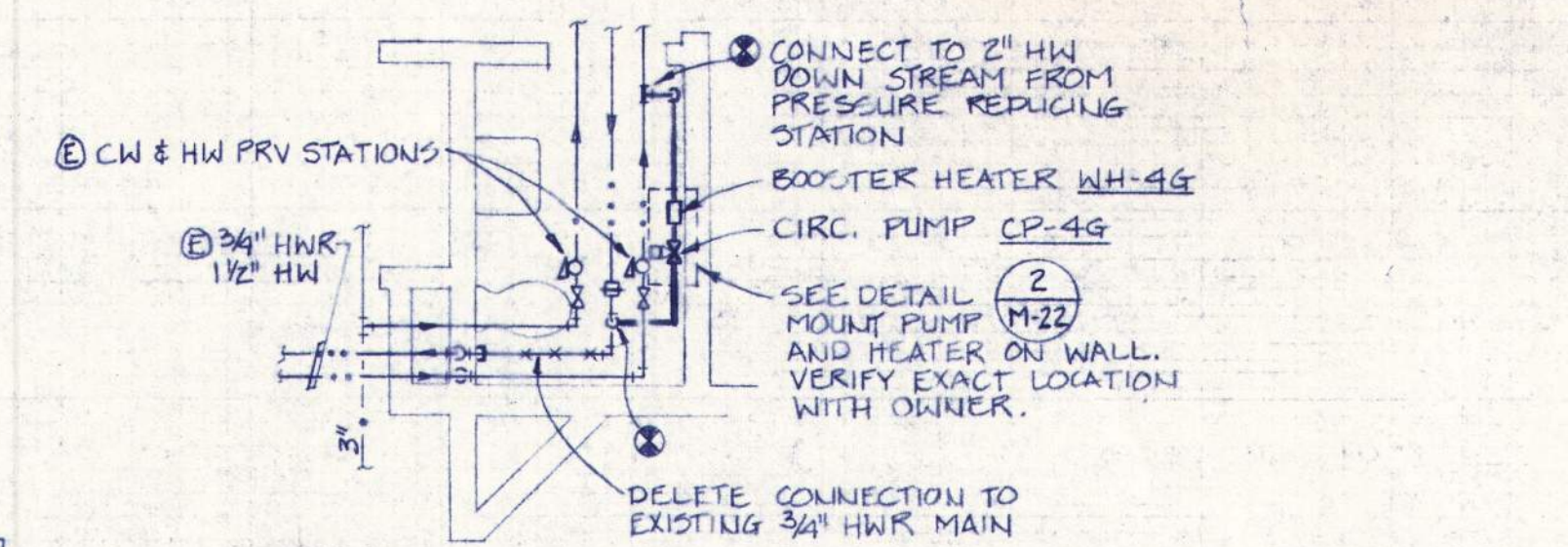
M21



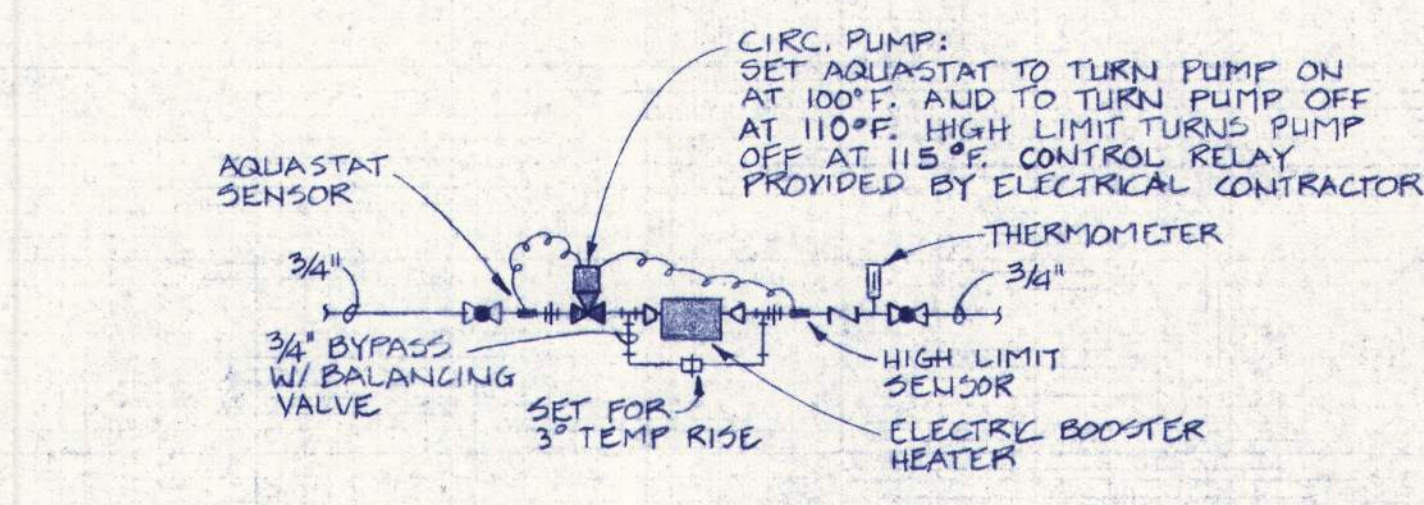
PARTIAL PLUMBING PLAN - G1
SCALE: 1/8" = 1'-0"



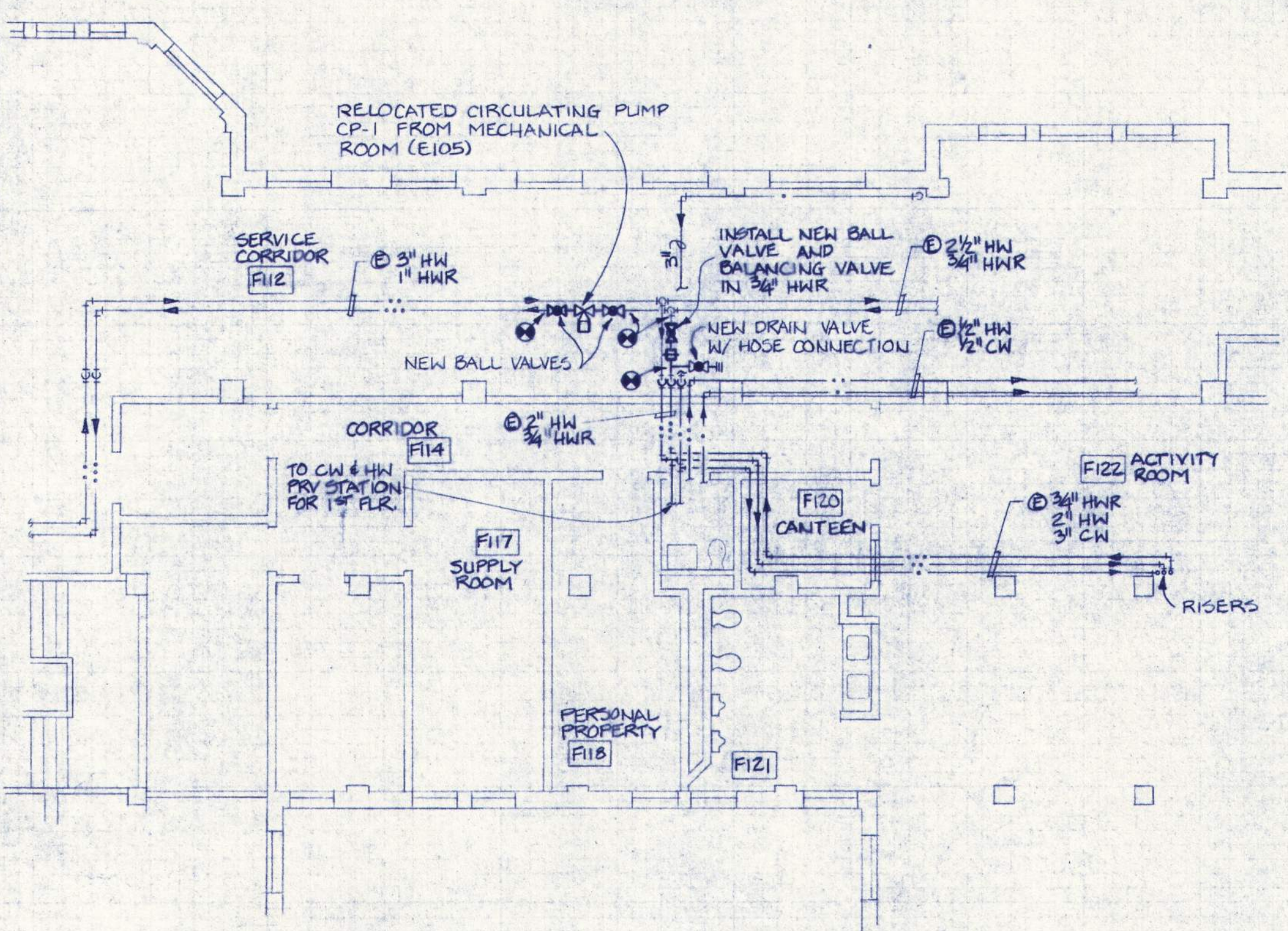
PARTIAL PLUMBING PLAN - G2
SCALE: 1/8" = 1'-0"



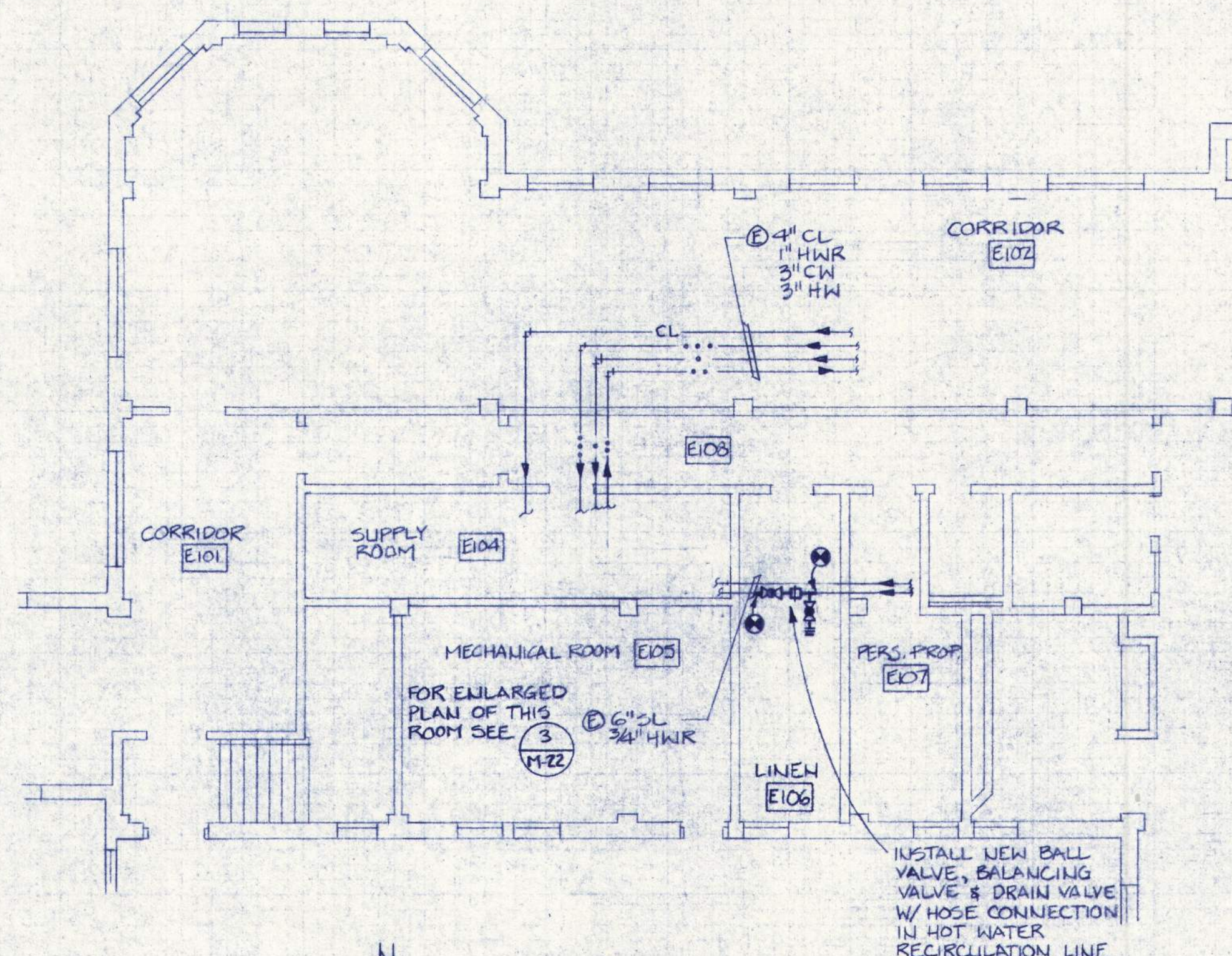
1 STAFF TOILET (G263) PLUMBING PLAN
SCALE: 1/4" = 1'-0"



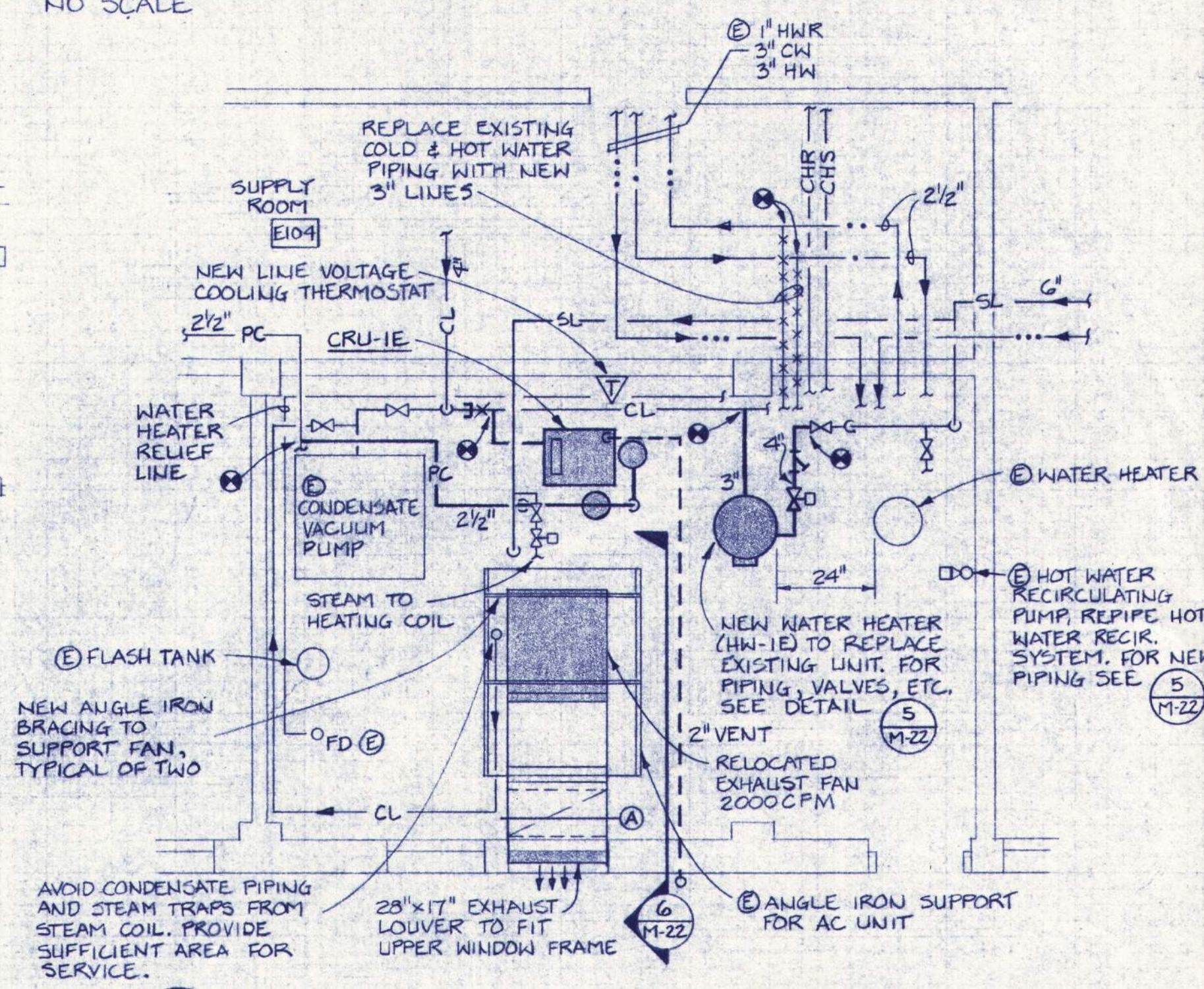
2 CIRCULATING PUMP / BOOSTER HEATER DETAIL
NO SCALE



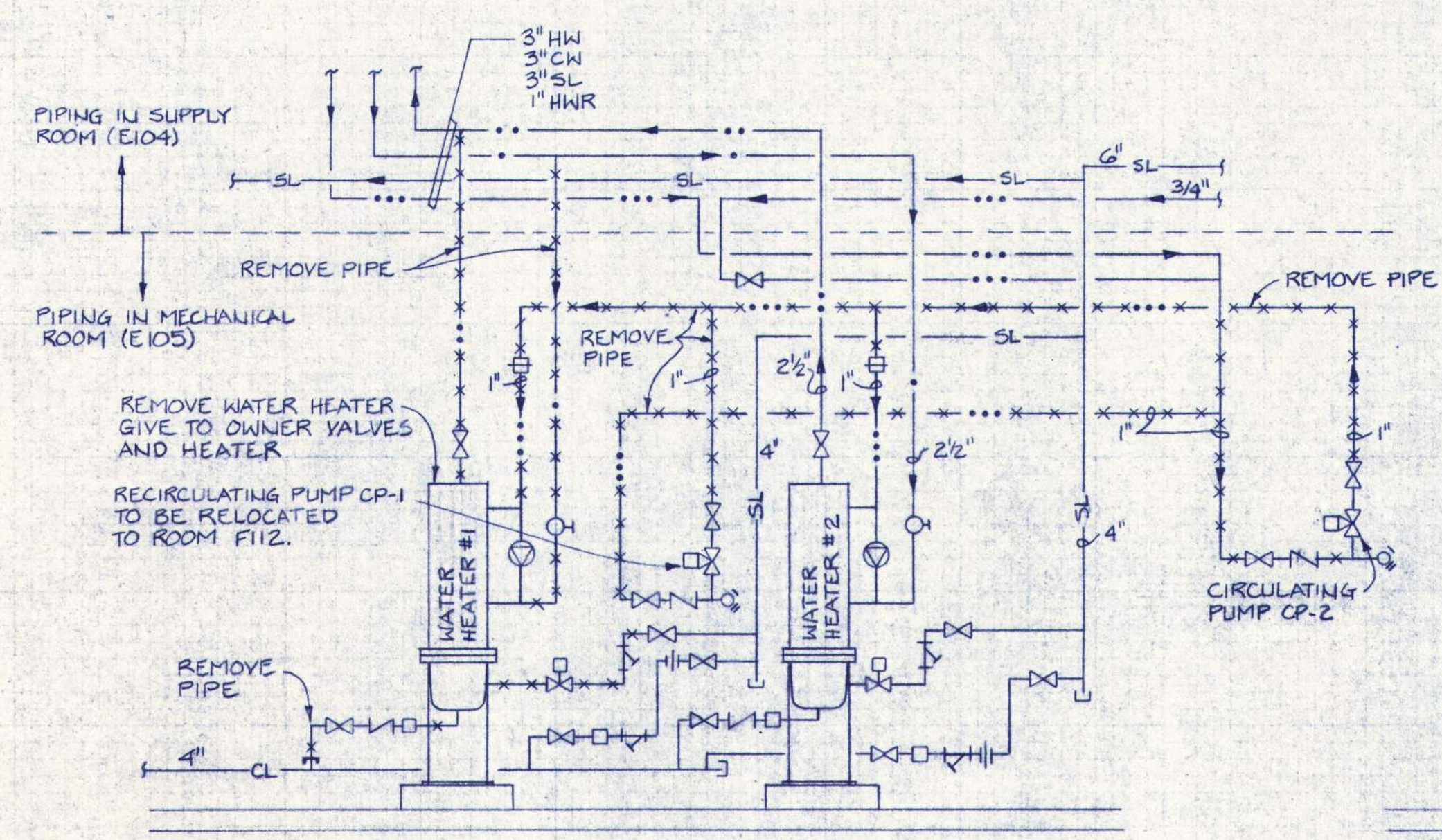
PARTIAL PLUMBING PLAN - F1
SCALE: 1/8" = 1'-0"



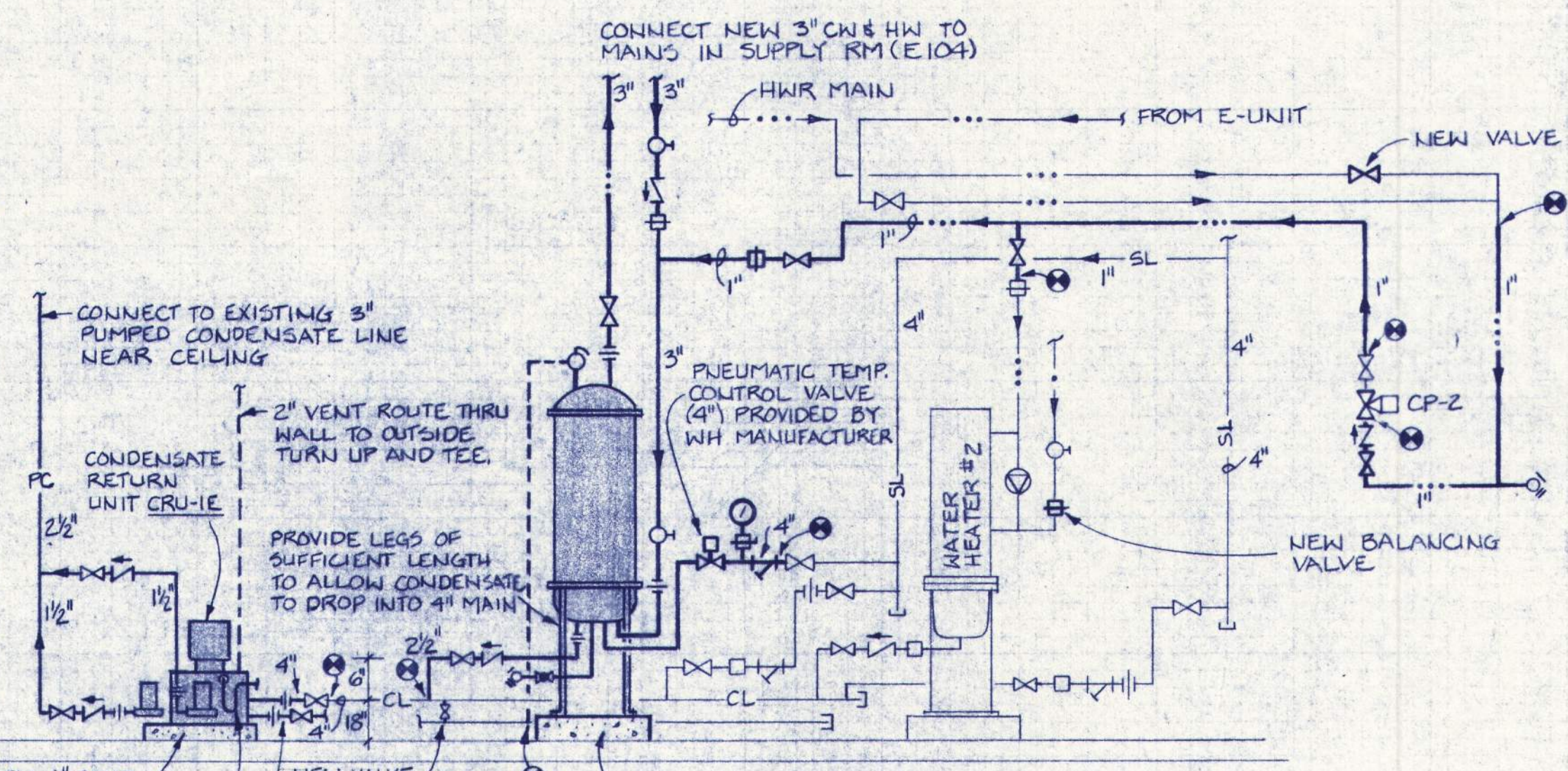
PARTIAL PLUMBING PLAN - E1
SCALE: 1/8" = 1'-0"



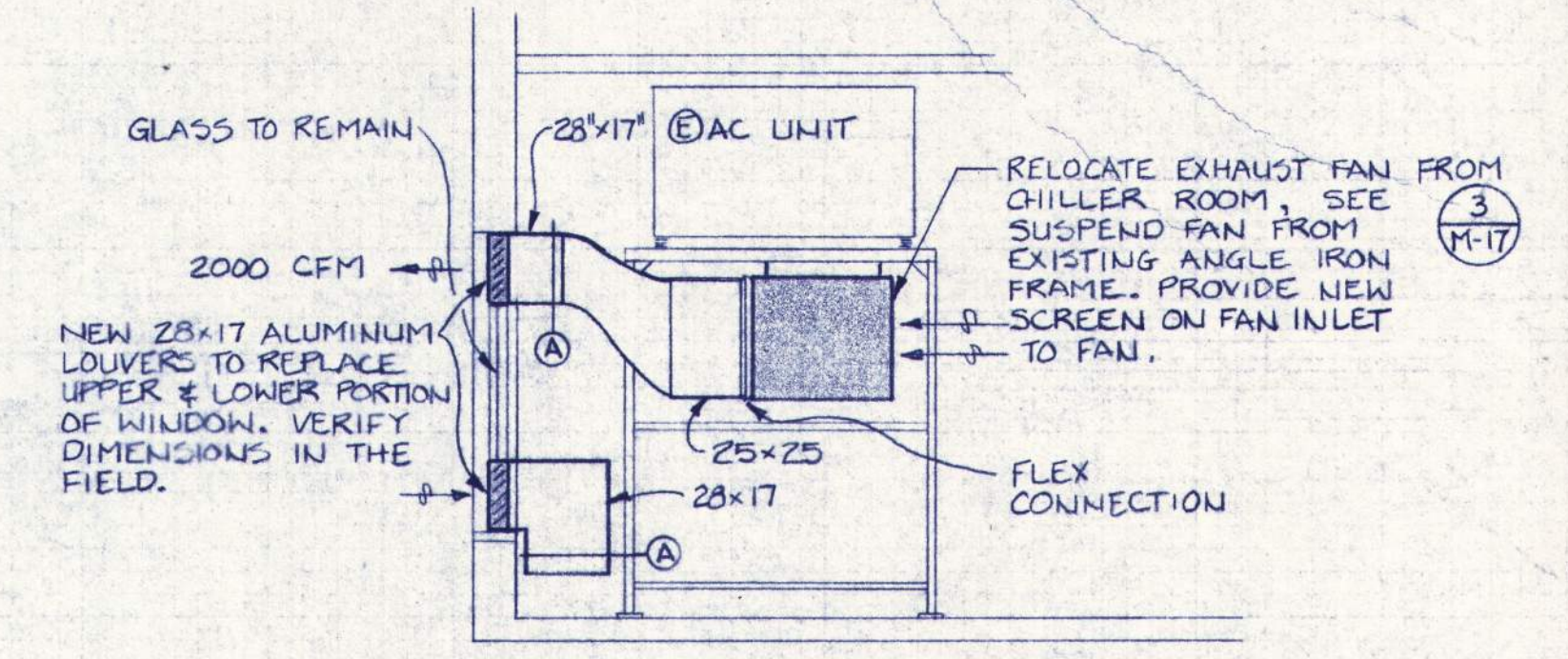
3 MECHANICAL RM E105 / SUPPLY RM E104
SCALE: 1/4" = 1'-0"



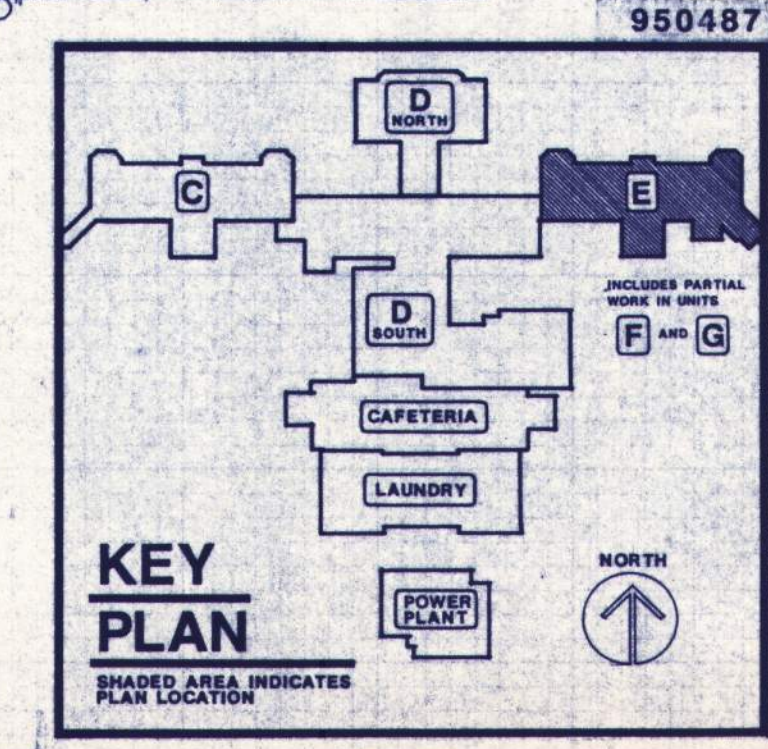
4 WATER HEATER PIPING PLAN (RM E105) DEMOLITION
NO SCALE



5 NEW WATER HEATER PIPING PLAN (RM E105)
NO SCALE



6 EXHAUST FAN DETAIL
SCALE: 1/4" = 1'-0"



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BALZHISER HUBBARD ASSOCIATES
MECHANICAL ELECTRICAL ENGINEERS
600 MARKET STREET, SEASIDE, OREGON 97138

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1475 SW STREET, SEASIDE, OREGON 97138

FRANK HONEY
STRUCTURAL ENGINEER
880 S. W. LUMIEL LANE, PORTLAND, OREGON 97214

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 225-1181
885 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

GENERAL NOTES

- A. LOCATIONS SHOWN FOR EXISTING AND NEW ELECTRICAL EQUIPMENT ON THE ACCOMPANYING PLANS ARE APPROXIMATE. ALL FINAL LOCATIONS ARE TO BE FIELD VERIFIED AND ADJUSTED AS REQUIRED PRIOR TO ACTUAL INSTALLATION. COORDINATE ALL CONSTRUCTION WITH ARCHITECT AND OTHER TRADES.
- B. THE LOCATION OF EXISTING WIRING SYSTEMS SHOWN ON PLANS IS BASED ON OLD PLAN DRAWINGS DATED 1965 AND VISUAL VERIFICATION OF GENERAL LOCATIONS IN THE FIELD. FIELD VERIFY ALL EXISTING CONDITIONS AFFECTING NEW ELECTRICAL WORK PRIOR TO BID DATE.
- C. THE WORD "PROVIDE" WHEN USED ALONE ON THESE ELECTRICAL PLANS IS INTENDED TO MEAN THAT THE ELECTRICAL SUBCONTRACTOR IS TO FURNISH AND INSTALL THE RELATED WORK DESCRIBED.
- D. ALL (N) SPARE UNDERGROUND DUCT STUBS SHOWN ON SITE PLANS SHALL BE MARKED AT BOTH ENDS WITH DRIVEN PIPE MONUMENT FOR EASY LOCATION.
- E. INTERMEDIATE METALLIC CONDUIT ("IMC") MAY BE USED WHEREVER "GRS" IS CALLED FOR IN DRY LOCATIONS INSIDE BUILDINGS.
- F. APPLICABLE TO ALL PLAN SHEETS: NEW WALLS ARE SHOWN SHADED. EXISTING WALLS TO REMAIN ARE SHOWN OPEN, THOSE TO BE REMOVED ARE SHOWN DASHED.
- G. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION ALL CEILING MOUNTED LIGHT FIXTURES.
- H. REFER TO PROJECT REQUIREMENTS SECTION OF SPECIFICATIONS FOR LOCATIONS OF BUILDING AREAS WHERE WORK MUST BE PERFORMED DURING DESIGNATED TIME PERIODS SUCH AS THE KITCHEN AND CENTRAL CONTROL ROOM.
- I. MINOR AMOUNT OF EXISTING BRANCH CIRCUIT (GRS) REMAINS SUBSEQUENT TO OWNER'S INTERIOR DEMOLITION AT ALL FLOOR LEVELS. REUSE IF SERVICEABLE; REMOVE IF NOT.
- J. GENERAL DESCRIPTIONS OF NEW CEILING SYSTEM HAVE BEEN NOTED ON ELECTRICAL FLOOR PLAN DRAWINGS FOR CONTRACTOR'S CONVENIENCE. ARCHITECT'S SIMILAR INFORMATION ON BUILDING REFLECTED CEILING ARE MORE ACCURATE AND SHALL GOVERN SHOULD CONFLICTS OCCUR. REVIEW ARCHITECT'S CEILING PLANS THOROUGHLY PRIOR TO CONDUIT ROUGH-IN.
- K. THE TERM "WIRING" AS USED ON DRAWINGS INCLUDES BOTH THE RACEWAY AND CONDUCTORS WITHIN.
- L. BACK TO BACK OUTLET BOXES IN COMMON WALLS WILL NOT BE PERMITTED ON THIS PROJECT. OFFSET AT LEAST 12", U.O.N.
- M. PROVIDE WIRING REQUIRED BUT NOT SHOWN ON PLANS FOR DEVICES OF THE FOLLOWING SYSTEMS.
 1. FIRE ALARM SYSTEM.
 2. SMOKE CONTROL DAMPER AND MECHANICAL SHUT DOWN SYSTEM.
 3. SALLYPORT SIGNAL SYSTEM.
 4. CELL CALL SIGNAL SYSTEM.
 5. INTERCOM SYSTEM.
 6. DOOR CONTROL SYSTEM.
- N. WHEN ADDING CIRCUIT BREAKERS TO (E) PANEL BOARDS. MATCH EXISTING FOR MANUFACTURER AND FAULT CURRENT RATING.
- O. USE STENCIL TYPE BLOCK LETTERING WITH PAINT OR INDELIBLE INK FOR PULL BOX AND FEEDER DUCT DESIGNATORS AS CALLED FOR ON DRAWINGS. OBJECTIVE IS TO EASILY READ FROM FLOOR BELOW.
- P. HAND DIG WHEN EXPOSING EXISTING UNDERGROUND FACILITIES IN AREA OF (N) DINING BUILDING. UNDERGROUND ELECTRICAL DUCT LINES MAY BE OF FRAGILE FIBER MATERIAL. PROTECT SAME AFTER EXPOSURE AND UNTIL (N) BACKFILL IS PLACED.
- Q. CONCEAL ALL WIRING THIS PROJECT EXCEPT IN UTILITY CORRIDORS, ELECTRICAL OR MECHANICAL EQUIPMENT ROOMS, OR AS NOTED ON DRAWINGS.

ABBREVIATIONS

(COMMON TO ELECTRICAL PLAN SHEETS AND SPECIFICATIONS)

- (E) EXISTING TO REMAIN
- (R) REMOVE
- (N) NEW
- (RL) RELOCATE
- U.O.N. UNLESS OTHERWISE NOTED
- C.A.R. CONNECT AS REQUIRED
- "PTR" PRIOR TO ROUGH IN
- "EOCI" EASTERN OREGON CORRECTIONAL INSTITUTE
- "AFF" ABOVE FINISHED FLOOR
- "CCR" CENTRAL CONTROL ROOM
- "CCER" CENTRAL CONTROL EQUIPMENT ROOM
- "GRS" GALVANIZED RIGID STEEL
- "GRD" EQUIPMENT GROUNDING CONDUCTOR
- "MDA" MAIN DISTRIBUTION ASSEMBLY
- "SDA" SUB-DISTRIBUTION ASSEMBLY
- "A1" ELECTRICAL PANELBOARD DESIGNATOR (NAMEPLATE), TYPICAL. BUILDING DESIGNATOR. BUILDING FLOOR DESIGNATOR
- "EER" ELECTRICAL EQUIPMENT ROOM.
- "US-4" UNIT SUB-STATION NO. 4.
- "US-5" UNIT SUB-STATION NO. 5.
- "OLD" ONE LINE DIAGRAM.
- "MES" METAL ENCLOSED SWITCHGEAR.
- "PSE" PRIMARY SECTIONALIZING ENCLOSURE.
- "DLCP" DINING LIGHTING CONTROL PANEL.
- "TLCP" TIER LIGHTING CONTROL PANEL.

ELECTRICAL SYMBOLS

- PLAN NOTE. SEE DESCRIPTION ON APPLICABLE DRAWING.
- JUNCTION BOX, WEATHERPROOF.
- HOMERUN TO PANEL.
- INDICATES EXISTING DEVICE TO REMAIN.
- INDICATES EXISTING DEVICE TO BE RELOCATED.
- INDICATES EXISTING DEVICE TO BE REMOVED.
- FLUORESCENT FIXTURE, CODE LETTER SHOWN.
- FLUORESCENT FIXTURE, CODE LETTER SHOWN, WITH BUILT-IN FLUORESCENT NITE LIGHT.
- FLUORESCENT STRIP LIGHT, CODE LETTER SHOWN.
- EXISTING FLUORESCENT FIXTURE.
- LIGHT OUTLET, SURFACE, CODE LETTER SHOWN.
- LIGHT OUTLET, BRACKET, CODE LETTER SHOWN.
- LIGHT OUTLET CONNECTED ON EMERGENCY CIRCUIT.
- SWITCH, SINGLE POLE, LOCAL LIGHTING CIRCUIT "a".
- SWITCH, THREE WAY.
- DIMMER SWITCH.
- 15 AMP - 125 V, DUPLEX RECEPTACLE, GROUNDING TYPE 24" AFF, U.O.N.
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER OR UP AT HEIGHT AS NOTED.
- DUPLEX RECEPTACLE, GROUND FAULT TYPE.
- 15 AMP - 125 V, DOUBLE DUPLEX RECEPTACLE, GROUNDING TYPE.
- 15 AMP - 125 V, DUPLEX RECEPTACLE CONNECTED TO EMERGENCY CIRCUIT.
- DUPLEX RECEPTACLE MOUNTED IN BOX WITH LIGHT SWITCH AND CONNECTED TO SAME CIRCUIT.
- DUPLEX RECEPTACLE, WEATHER PROOF.
- JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT.
- MAGNETIC STARTER OR CONTACTOR.
- DISCONNECT SWITCH.
- SPECIAL OUTLET, TYPE AS NOTED.
- MOTOR OUTLET.
- EQUIPMENT CONNECTION.
- BRANCH PANEL.
- EMPTY CONDUIT, SIZE AS SHOWN.
- WIRING IN, OR ON, CEILING OR WALLS.
- WIRING RUN IN OR UNDER FLOOR.
- NUMBER OF CONDUCTORS IN CONDUIT, THREE SHOWN, #12 UNLESS OTHERWISE SHOWN.
- NO. 10 AWG WIRING IN CONDUIT.
- CONDUIT UP - CONDUIT DOWN.
- EXISTING WIRING.
- NURSE CALL SYSTEM WIRING.
- TELEPHONE OUTLET, 4" X 4" BOX WITH COVER, WALL MOUNTED, UP 12" U.O.N.
- TELEVISION OUTLET, 4" SQ., BOX WITH COVER AND GROMMETED CENTER OPENING.
- TELEVISION SPEAKER AND BACK BOX FLUSH IN CEILING. 8" SPEAKER WITH INTEGRAL VOLUME CONTROL, WHITE ROUND BAFFLE EQUAL TO SOUNDOLIER "SV1" SERIES.
- RADIO OUTLET BOX FOR FUTURE USE, 2 GANG WITH COVER/PLATE.
- INDICATES DOOR MONITORED AND CONTROLLED FROM CENTRAL CONTROL.
- IDENTIFIER, CONTROLLED AND MONITORED DOORS.
- INDICATES CELL DOOR WITH PNEUMATIC OPERATOR, MONITORED AND CONTROLLED FROM LOCAL GUARD STATION.
- INDICATES DOOR WITHOUT PNEUMATIC OPERATOR, MONITORED AND CONTROLLED FROM LOCAL GUARD STATION.
- SALLYPORT SIGNAL SYSTEM DOME LIGHT AND AUDIO SIGNAL DEVICE.
- SALLYPORT SIGNAL SYSTEM PUSHBUTTON.
- SIGNAL TRANSFORMER OR POWER SUPPLY, AS REQUIRED.
- EQUIPMENT CABINET.
- INTERCOM MASTER STATION.
- WALL INTERCOM PUSHBUTTON CALL STATION, SLAVE TO CENTRAL CONTROL MASTER.
- INTERCOM SPEAKER, CEILING MOUNTED.
- FIRE ALARM KEYED MANUAL STATION.
- FIRE ALARM CHIME.
- FIRE ALARM IONIZATION DETECTOR.
- FIRE ALARM HEAT/RATE OF RISE DETECTOR.
- FIRE ALARM DUCT IONIZATION DETECTOR.
- FIRE ALARM FLOW SWITCH AND OS&Y VALVE.
- SMOKE DAMPER, LETTERING INSIDE OVAL IDENTIFIES MECHANICAL AIR SYSTEM, SUBSCRIPT IDENTIFIES RELATED FAN UNIT AS DESCRIBED IN THE FIRE ALARM SPECIFICATION SMOKE CONTROL SCHEDULE.
- ALUMINUM CABLE TRAY. SEE SPECIFICATIONS.
- MECHANICAL EQUIPMENT CONNECTION IDENTIFIER.
- FOOD SERVICE EQUIPMENT (DINING AREA) CONNECTION IDENTIFIER.
- CLOCK HANGER OUTLET; BUILDING "C".
- CLOCK, SYNCHRONIZED SYSTEM TYPE (DINING AREA). MATCH EXISTING (FARADAY NO. 1724-16, VERIFY) FLUSH, ROUND, 16 INCH, SHATTERPROOF LENS.

LUMINAIRE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NO.	MOUNTING	LAMP	VOLTS	FINISH	REMARKS		
A	PRUDENTIAL	P182-48FS-120V-18GA-TPBH-NITE LITE-ES-GLR	SURFACE CEILING	2-F40, W, SS AND 1-F8T5	120	WHITE	6"x6" 2-LAMP VANDAL-RESISTANT, CORNER MOUNT LUMINAIRE 18 GAUGE, TAMPERPROOF, BALLAST HOUSING. PROVIDE NITE LIGHT AND TAMPERPROOF SCREWS 8" O.C. TOP AND BOTTOM.		
B	LITHONIA	M240-MA-0.140-120-ES-GLR-TP	SURFACE CEILING	2-F40, W, SS	120	WHITE	12"x48", 2-LAMP SURFACE FLUORESCENT FIXTURE, ACRI-TUF LENS, TAMPERPROOF DOOR.		
C	LITHONIA	SP-240AR-0.140-120-ES-GLR-TP	RECESSED CEILING	2-F40, W, SS	120	WHITE	12"x48", 2-LAMP, RECESSED FLUORESCENT TROFFER WITH 0.140" ACRI-TUF LENS AND TAMPER PROOFED LENS DOOR.		
D	LITHONIA	M220-120-A-ES	SURFACE WALL	2-F20, W	120	ALUMI-NUM	24" LONG, 2 LAMP FLUORESCENT OVER MIRROR TYPE LUMINAIRE, UP AND DOWN LIGHT. INSTALL UP ± 7'-0" AFF.		
E	LITHONIA	540-240-120-ES-GLR-TP-AL-W	SURFACE CEILING	2-F40, W, SS	120	CLEAR PRIS-MATIC	12"x48", 2-LAMP, VANDAL-PROOF FLUORESCENT LUMI-NAIRE, TAMPERPROOF, ALUMINUM BODY, MET LOCATION.		
F	PRUDENTIAL	P101-18TS-120V-18GA-SW-TPBH-ES-GLR-RECEP.	SURFACE WALL	1-F15T12, W	120	WHITE	4"x4", 1-LAMP FLUORESCENT LIGHT; 18 GAUGE; TAMPERPROOF BALLAST HOUSING. SCREWS ON 6" CENTERS, TOP AND BOTTOM; END MOUNT SINGLE RECEPTACLE; ROCKER SWITCH. CENTER ABOVE MIRROR.		
G	PARAMOUNT	50424	RECESSED	4-F40, W, SS	120	WHITE	4-LAMP, RECESSED TROFFER WITH PLASTER FRAME. REVERSE LENS, MET LOCATION LABEL.		
GI	PARAMOUNT	60424	SURFACE	4-F40, W, SS	120	STAIN-LESS STEEL	2"x4", 4-LAMP SURFACE FLUORESCENT FIXTURE. STAINLESS STEEL BODY, REVERSE LENS, MET LOCATION LABEL.		
H	HADCO	Y015-4101	SURFACE WALL	1-F40/W	120	BLACK BASE	5"x5"x50"(L) SINGLE LAMP FLUORESCENT FIXTURE WITH ACRYLIC DIFFUSER, MET LOCATION LABEL, TAMPER PROOF SCREWS, AND 0" BALLAST.		
L	HOLOPHANE	VFLD15AHP48B3-50104-06387	SURFACE WALL	1-250W, HPS, CLEAR	208	BLACK	H.I.D. CYLINDER LUMINAIRE WALL MOUNTED HIGH ON BUILDING. AIM TO BEST ILLUMINATE HIMSTAD ZONE.		
M	P&S	35	SURFACE WALL	1-100W, I.F.	120	PORCE-LAIN	PORCELAIN LAMP HOLDER WITH MCGILL #1434 WIRE GUARD, RECEPTACLE, AND PULL CHAIN. INSTALL 12" ABOVE CHASE ACCESS DOOR, U.O.N.		
N	DAYRITE	LLB25MH-120-LRA-SF-SCB3	PENDANT	1-250W, MH, CLEAR	120	WHITE	20" DIAMETER STEM HUNG INDUSTRIAL TYPE H.I.D. LUMINAIRE, 3/16" ACRYLIC LENS, RETAINER CHAIN.		
N1	DAYRITE	LLB25MH-120-LRA-SF-Q-SCB3	PENDANT	1-250W, MH, CLEAR; 1 QUARTZ LAMP	120	WHITE	SAME AS TYPE "N", EXCEPT WITH QUARTZ STANDBY LAMP.		
P	LITHONIA	UN-240-120-ES-MG3	SURFACE CEILING	2-F40, W, SS	120	WHITE	48" LONG, 2 LAMP, OPEN STRIP FLUORESCENT FIXTURE WITH WIRE GUARD.		
R	LIGHTOLIER	7760	RECESSED	1-120W, PAR 38, FL	120	WHITE TRIM	INCANDESCENT DOWN LITE WITH MILLIGROOVE BAFFLE.		
S	LINEAR	S1420-SPECIAL	SURFACE	4-F40, W, SS	120	WHITE	5"x6"x8"-0" RECTANGULAR FLUORESCENT, PRISMATIC REFRACTOR, DIE CAST ENDS. PROVIDE BALLAST BATTERY PAK TO OPERATE SINGLE LAMP ON POWER LOSS.		
T	LIGHTOLIER	6790	SURFACE WALL	32W, CIRC-LINE, W	120	BLACK BASE	14" DIA. FLUORESCENT DRUM.		
U	DEVINE	MWP20-50HPS-120	SURFACE WALL	50W, HPS	120	BLACK BASE	10" SQ. H.I.D. FLOOD LIGHT, MET LABEL. POLYCARBONATE LENS.		
UI	DEVINE	LWP60-150HPS-120	SURFACE WALL	150W, HPS	120	BLACK BASE	SAME AS TYPE "U", EXCEPT 14" SQ., HIGHER MATTAGE.		
EX	FAIL SAFE	1600-GN-120	SURFACE WALL	(2) P6T5	120	BLACK	SINGLE FACE FLUORESCENT EXIT SIGN, VANDAL PROOF, INDESTRUCTIBLE.		
EM	DUAL LITE	EDS-PL	SEMI-RECESSED	PROVIDED WITH FIXTURE	120	WHITE	SELF-CONTAINED EMERGENCY LIGHT WITH BATTERY PAK AND HIGH IMPACT POLYCARBONATE LENS.		
EM1	DUAL LITE	EZ2	SURFACE	PROVIDED WITH FIXTURE	120	BEIGE	WALL MOUNTED EMERGENCY LIGHT, DOUBLE HEADS.		

LUMINAIRE SCHEDULE NOTES

1. AT LUMINAIRE TYPES "A" AND "F", ALL SUBSTITUTION REQUESTS WILL INCLUDE SHOP DRAWINGS SHOWING LOCATIONS OF ACCESSORY DEVICES AND TAMPER PROOF SCREW METHODS, LOCATIONS, ETC. NO EXPOSED KNOCKOUTS AT FIXTURE ENDS. AT LUMINAIRE "A", LOCATE (6) SCREWS EQUALLY SPACED IN ROW, LENGTH OF FIXTURE WITH (2) ADDITIONAL SCREWS, EACH END. AT LUMINAIRE "F", PROVIDE (3) SCREWS TOP AND BOTTOM AT COVER RETURN LIP. SECURELY ATTACH LIGHT SWITCH AND RECEPTACLE SO THAT THEY MAY NOT BE PUSHED INTO OR PULLED OUT OF FIXTURE HOUSING.
2. AT LUMINAIRE TYPE "H": CONNECT EACH FIXTURE FROM COMMON J-BOX AS SHOWN ON PLANS. UNIT MUST BE DRILLED FOR WIRE ACCESS (NO K.O.'S).
3. THE FOLLOWING MANUFACTURERS ARE APPROVED TO BID (SUBJECT TO SPECIFICATIONS) AGAINST THE "B", "C", AND "P" FLUORESCENT SERIES: DAYRITE, GLOBE, METALUX, COLUMBIA.



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
600 MARSHALL STREET, EUGENE, OREGON 97401

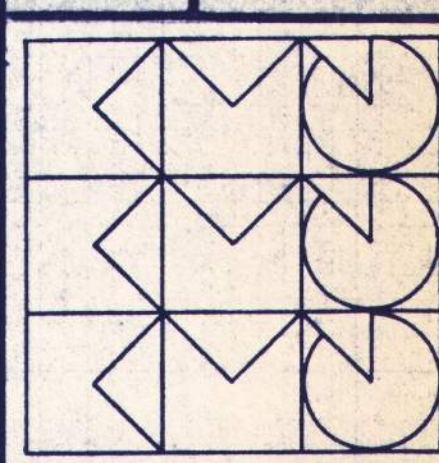
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1407 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
3403 S.W. LAUREL LEVY LANE, PORTLAND, OREGON 97226

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6
OREGON STATE CORRECTIONS DIVISION, PENDELTON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE/PORTLAND, OREGON 97204 / (503) 223-1181
883 THIRTEENTH AVENUE EAST/EUGENE, OREGON 97401 / (503) 344-3249



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JOB 8016

E1

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

CONNECTION NUMBER	DESCRIPTION	LOCATION	LOAD/VOLT/PHASE	CONDUIT/WIRE	DISCONNECT/FUSE/STARTER	REMARKS
(AIR HANDLING UNITS)						
1	AHU-1C	BLDG "C"	5HP/208/3	3/4" C: 3#8	60A-3P/1-1"1"	1
2	AHU-2C		3HP/208/3	1/2" C: 3#10	30A-3P/1-1"0"	1
3	AHU-3C		10HP/208/3	3/4" C: 3#8	60A-3P/1-1"2"	1
4	AHU-4C		10HP/208/3	3/4" C: 3#8	60A-3P/1-1"2"	1
5	AHU-5C		1HP/208/3	1/2" C: 3#12	30A-3P/1-1"0"	1
(RETURN FANS)						
6	RF-1C	BLDG "C"	1-1/2HP/208/3	1/2" C: 3#12	30A-3P/1-1"0"	1
7	RF-2C		1/2HP/3	1/2" C: 3#12	30A-3P/1-1"0"	1
8	RF-3C		5/208/3	1/2" C: 3#12	30A-3P/1-1"1"	1
9	RF-4C		5/4HP/208/3	1/2" C: 3#12	30A-3P/1-1"1"	1
(EXHAUST FANS)						
10	EF-1C	BLDG "C"	1-1/2HP/208/3	1/2" C: 3#12	30A-3P/1-1"0"	1
11	EF-2C		3/4HP/208/3	1/2" C: 3#12	30A-3P/1-1"0"	1
12	EF-3C		1/8HP/120/1	1/2" C: 2#12	20A-1P/1-1"	1
13	SRU-1		1/2HP/120/1	1/2" C: 2#12	20A-1P/1-1"	5
(AIR COMPRESSORS)						
14	AC-1	BLDG "C"	1/4HP/120/1	1/2" C: 2#12	20A-1P	3
(FAN COIL UNITS)						
15	FCU-1C	BLDG "C"	1-1/2HP/208/3	1/2" C: 3#12	30A-3P/1-1"0"	2
(PUMPS)						
16	CRU-1C		2-2HP/208/3	1/2" C: 3#10	30-3P/1-1"	4
17	CP-1C		1/6 HP/120/1	1/2" C: 2#12	20-1P/1-1"	1
(WATER HEATERS)						
18	WH-1C		1/12HP/120/1	1/2" C: 2#12	20A-1P/1-1"	6

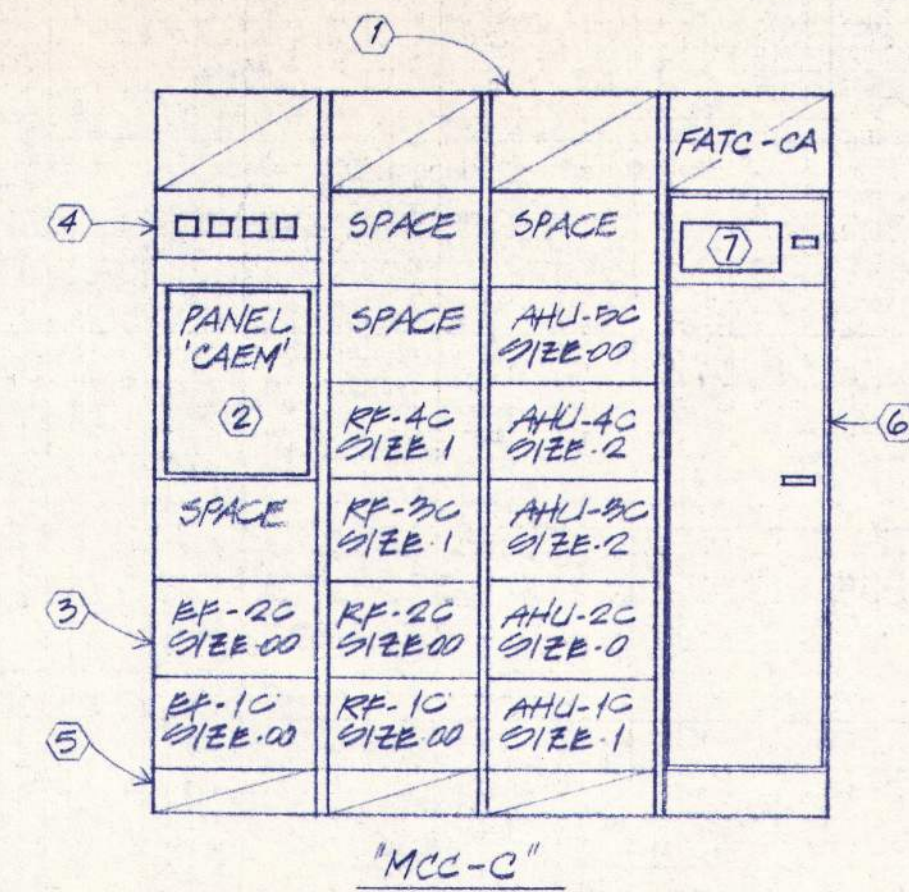
- SCHEDULE NOTES (SEE REMARKS COLUMN, ABOVE)**
- CONNECT TO APPROPRIATE STARTER OR CIRCUIT BREAKER IN MOTOR CONTROL CENTER.
 - PROVIDE STARTER ADJACENT TO FLOOR PANELBOARD.
 - FOR SPRINKLER DRY PIPE SYSTEM; FLOOR MOUNTED IN ATTIC.
 - DUPLEX OPERATION; CONNECT TO UNIT CONTROL PANEL AS REQUIRED.
 - UNIT IN CEILING SPACE.
 - CONNECT UNIT SUPPLIED CIRC. PUMP AND CONTROLS AS REQUIRED.

BUILDING ATTIC PLAN NOTES - ELECTRICAL

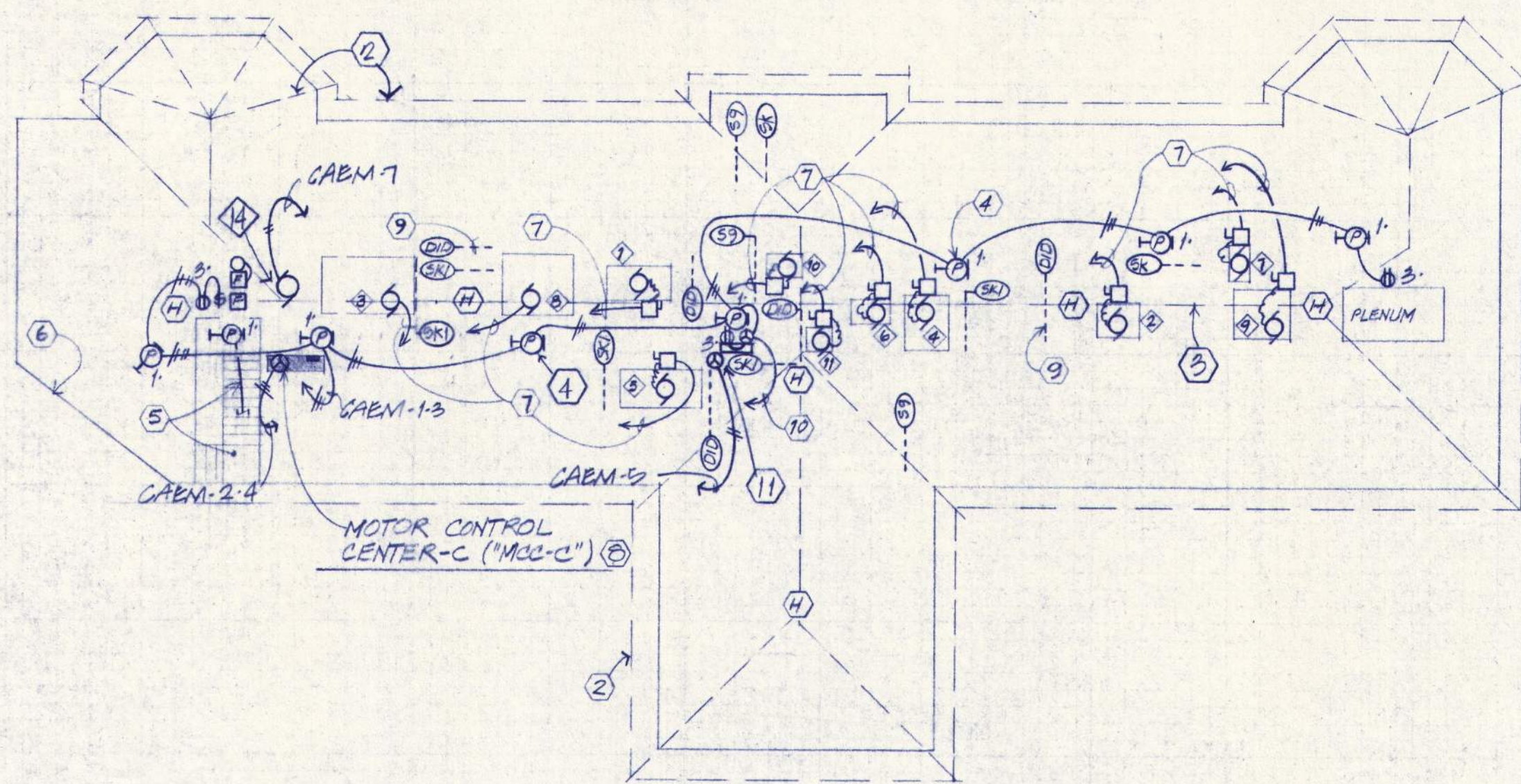
- PRIOR TO (N) WORK IN THESE AREAS, THE ATTIC SPACES WILL BE MADE CLEAR OF EXISTING MECHANICAL HVAC EQUIPMENT. PROVIDE ANY REMAINING ELECTRICAL DEMOLITION NOTED, BELOW.
- DASHED LINES INDICATE EDGE OF ROOF OVERHAND AND HIP LINES, TYPICAL.
- ROOF RIDGE (PEAK) LINE, TYPICAL ±8 FT ABOVE ATTIC FLOOR.
- INSTALL LUMINAIRE FROM OVERHEAD JOISTS. COORDINATE WITH MECHANICAL PIPING.
- (N) STAINWAY, 4TH FLOOR TO ATTIC. INSTALL "P" FIXTURE BEST LOCATION STAIR LIGHTING. CONNECT TO STAIRWAY LIGHTING CIRCUIT ON 4TH FLOOR.
- FULL HEIGHT DRAFT BARRIER WALL BEING INSTALLED UNDER SEPARATE CONTRACT.
- TO ATTIC "MCC". SEE EQUIPMENT SCHEDULE, THIS SHEET.
- MCC TO BE INSTALLED UNDER A SEPARATE CONTRACT. STARTERS PROVIDED UNDER THIS CONTRACT. SEE ELEVATION.
- LOCATE DUCT IONIZATION DETECTORS WHERE SHOWN ON MECHANICAL PLANS. TYPICAL.
- PROVIDE 8 CONDUCTOR #14 AWG CABLE FROM SMOKE CONTROL PROGRAMMABLE CONTROLLER TO MECHANICAL CONTROL PANEL. USE 1 PAIR FOR NIGHT SETBACK SCHEDULE. REMAINING WIRES ARE FOR FUTURE.
- MECHANICAL TEMPERATURE CONTROL PANEL ("TCP-1"). PROVIDE 120 VOLT CONTROL CIRCUIT.

CONTROL CENTER ELEVATION NOTES

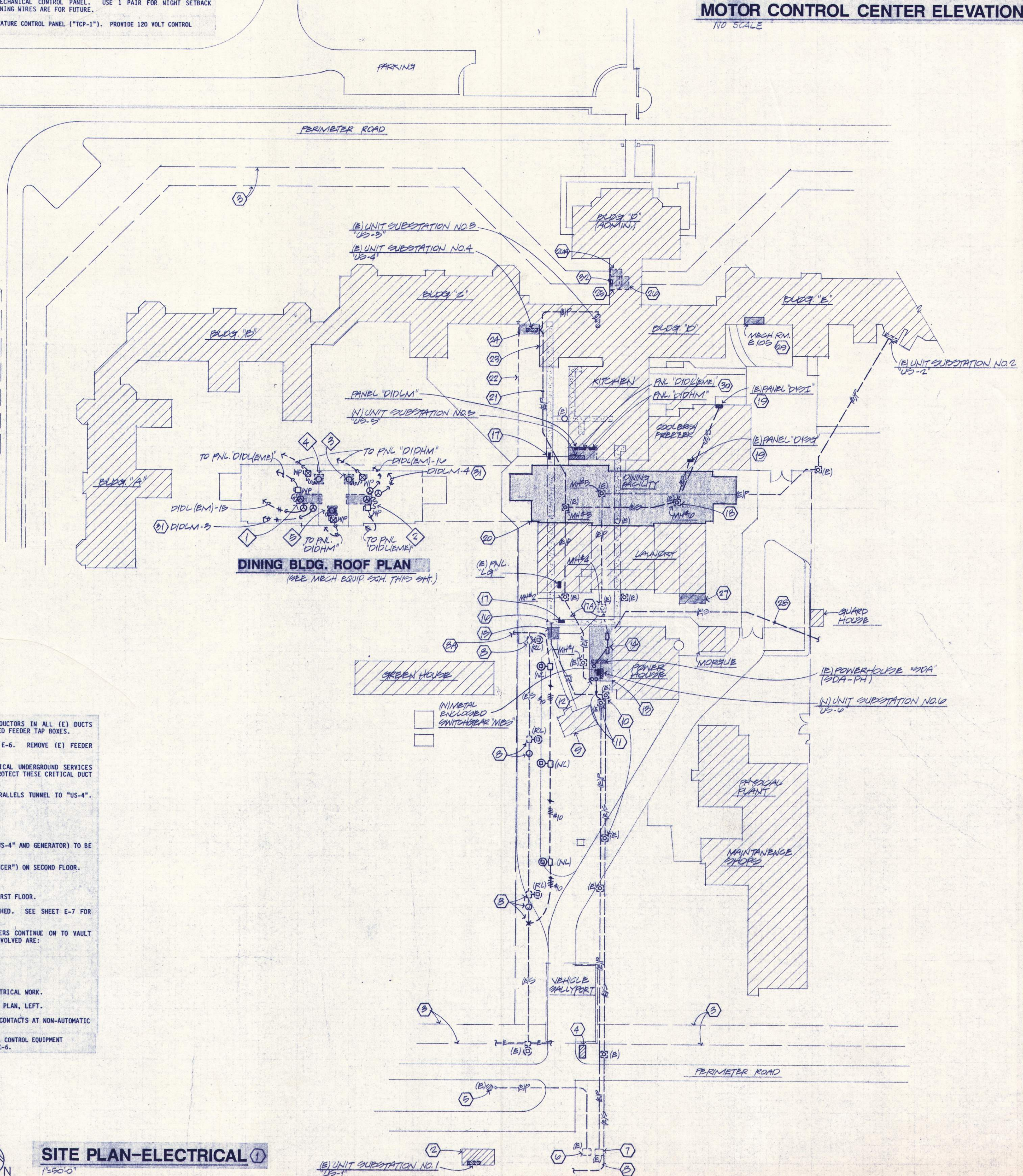
- MCC PROVIDED UNDER A SEPARATE CONTRACT. STARTERS PROVIDED UNDER THIS CONTRACT.
- 20 CIRCUIT PANELBOARD. SEE PANEL SCHEDULES.
- REQUIRED MAGNETIC STARTER SIZE; VERIFY WITH MECHANICAL CONTRACTOR.
- TOP MAIN LUG TERMINATIONS.
- 6" HIGH WIREWAY SECTION, TYPICAL.
- EMPTY SECTION WITH SINGLE LOCKING DOOR FOR FIRE ALARM AND SMOKE CONTROL WIRING TERMINATIONS. PROVIDED UNDER A SEPARATE CONTRACT. WIRING FOR THIS BUILDING WILL BE INSTALLED UNDER THIS CONTRACT. PROGRAMMABLE CONTROLLER FOR SMOKE CONTROL SYSTEM WILL BE INSTALLED AND PROGRAMMED UNDER A SEPARATE CONTRACT.
- FIRE ALARM ANNUNCIATOR PANEL C-ATTIC (FAAP-CA). PROVIDED UNDER A SEPARATE CONTRACT.



MOTOR CONTROL CENTER ELEVATION
NO SCALE



BUILDING "C" ATTIC PLAN
1/4" = 1'-0"



DINING BLDG. ROOF PLAN
1/8" = 1'-0"

- SITE PLAN NOTES**
- SEE LARGER 1/8" SCALE FLOOR PLANS FOR FURTHER SITE WORK DETAIL. BUILDINGS SHOWN CROSS-HATCHED ARE EXISTING; THOSE SHOWN SHADDED ARE NEW. SHADDED PORTIONS OF (E) BUILDINGS ARE SO SHOWN FOR EMPHASIS, THIS WORK.
 - REMOTE ELECTRICAL EQUIPMENT BUILDING (SECURITY GENERATOR ROOM).
 - (E) DOUBLE PERIMETER FENCE.
 - VEHICLE SALLYPORT GATE HOUSE.
 - PPAL PRIMARY SERVICE DIP POLE.
 - PPAL METERING ENCLOSURE.
 - EOCI OWNED PRIMARY SECTIONALIZING ENCLOSURE ("PSE").
 - RELOCATE (E) SITE LIGHTING STANDARD AND GROUND MOUNTED J-BOX TO ACCOMMODATE (N) ROADWAY. INTERCEPT AND EXTEND (E) UNDERGROUND 1-1/2" DUCT TO (N) LOCATION; BURY 30" MINIMUM. PULL IN (S) #10 CONDUCTORS AND CONNECT AS REQUIRED AT (E) STANDARD, SOUTH AND VEHICLE SALLYPORT. CONNECT 2 OF 4 LUMINAIRES TO DIFFERENT BRANCH CIRCUITS. AIM LUMINAIRES AS DIRECTED BY EOCI STAFF. SEE LUMINAIRE BASE DETAIL, DRAWING E-5.
 - RUN 1-1/2" DUCT STUB FROM POLE BASE TO LOCATION SHOWN. BURY 30"; CAP, MARK.
 - INCINERATOR BUILDING.
 - VAULT FOR SECONDARY SERVICES AND COMMUNICATIONS WIRING.
 - VAULT FOR PRIMARY SERVICE CONDUCTORS WITH EXTENSION INTO (E) TRANSFORMER VAULT.
 - (E) TRANSFORMER VAULT. SEE 1/8" SCALE PLAN, SHEET E-7 FOR REQUIRED NEW WORK TO INCLUDE REMOVAL OF (E) TRANSFORMERS AND INSTALLATION OF (N) PRIMARY SWITCHGEAR.
 - (E) COMPRESSOR ROOM WITH POWER HOUSE MAIN SERVICE SWITCH (1600 AMP). SEE SHEET E-7 FOR (N) ELECTRICAL WORK.
 - ELECTRICAL/POWER GENERATOR ROOM SHOWING FLOOR BOXES (2) FOR (E) PRIMARY AND SECONDARY CIRCUITS. SEE SHEET E-7 FOR (N) WORK.
 - (E) PORTABLE GATEHOUSE RELOCATED TO THIS POSITION; VERIFY.
 - (E) TUNNEL ACCESS FOR SECONDARY CIRCUITS; CONDUITS STUB THRU WALL.
 - TUNNEL ACCESS LID TO REMAIN.
 - DUCT BANK TRAVELS ACROSS TUNNEL NEAR CEILING.

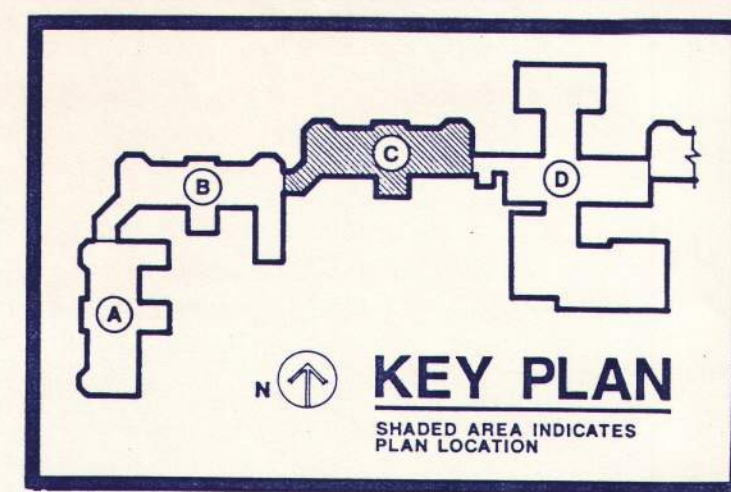
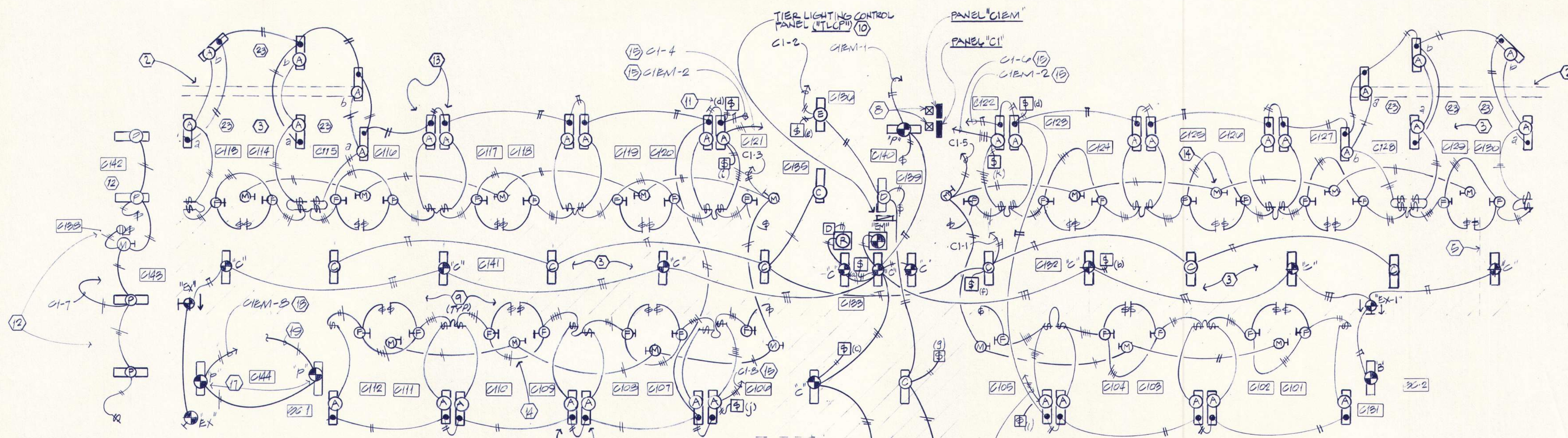
- THIS MANHOLE TO BE ABANDONED. REMOVE (E) CONDUCTORS IN ALL (E) DUCTS SERVED BY VAULT. REMOVE (2) EXISTING WALL MOUNTED FEEDER TAP BOXES.
- REFEED (E) PANEL FROM (E) KITCHEN; SEE SHEET E-6. REMOVE (E) FEEDER CONDUCTORS.
- AS EVIDENT FROM THIS PLAN, CONSIDERABLE ELECTRICAL UNDERGROUND SERVICES EXIST IN THE AREA OF THE (N) DINING BUILDING. PROTECT THESE CRITICAL DUCT SYSTEMS DURING EXCAVATION AND (N) CONSTRUCTION.
- (E) 4" PRIMARY DUCT CROSSES TUNNEL TOP THEN PARALLELS TUNNEL TO "US-4". SEE SHEET E-6 FOR RELATED WORK.
- (E) SECURITY FENCE TO REMAIN.
- (E) CHILLER BUILDING; TUNNEL RUNS UNDER SAME.
- (E) ELECTRICAL/GENERATOR ROOM. (N) EQUIPMENT ("US-4" AND GENERATOR) TO BE PROVIDED UNDER EXISTING CONTRACT (PHASE V).
- (E) CENTRAL CONTROL ELECTRICAL EQUIPMENT ROOM ("CCER") ON SECOND FLOOR.
- (E) CENTRAL CONTROL ROOM ("CCR"), SECOND FLOOR.
- (E) COMMUNICATIONS EQUIPMENT ROOM BELOW "CCR", FIRST FLOOR.
- THIS AREA OF BUILDING (LAVATORY) TO BE DEMOLISHED. SEE SHEET E-7 FOR ELECTRICAL DEMOLITION.
- APPROXIMATE LOCATION UNDERGROUND SECONDARY FEEDERS CONTINUE ON TO VAULT SERVING SHOPS AND OLD NURSES DORMITORY. DUCTS INVOLVED ARE:
 - (3) 3-1/2" (ONE IS SPARE)
 - (1) 3"
 - (2) 2-1/2" (ONE IS SPARE)
 - (1) 2"
- SEE PARTIAL PLAN, SHEET E-8 FOR REQUIRED (N) ELECTRICAL WORK.
- PANELS SERVE ROOF TOP MECHANICAL UNITS. SEE ROOF PLAN, LEFT.
- (ROOF PLAN) RUN NORMAL CONTROL CIRCUIT THRU AUX. CONTACTS AT NON-AUTOMATIC TRANSFER SWITCH ("NTS"), THEN TO PANEL.
- APPROXIMATE LOCATION (E) MASTER CLOCK IN "02" CENTRAL CONTROL EQUIPMENT ROOM ("CCER"). SERVE (N) DINING CLOCKS. SEE SHEET E-6.

SITE PLAN-ELECTRICAL
1/8" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
12,699
JAMES P. KRUMSICK
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
800 MARSHLEY STREET, SUITE 100, DUNDON, OREGON 97141
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
107 1/2 ONE STREET, SUITE 100, DUNDON, OREGON 97141
FRANK HONEY
STRUCTURAL ENGINEER
300 S.W. LAUREL LEAF LANE, PORTLAND, OREGON 97239

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON
WEGROUP pc / ARCHITECTS & PLANNERS
192 S.W. THIRD AVENUE (PORTLAND, OREGON 97204) (503) 293-1181
863 THIRTEENTH AVENUE (EAST) (EUGENE, OREGON 97401) (503) 944-3249

APPROVED
DRAWN
DATE 2/10/89
JOB 20116



RALZUISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
480 MARSHLEY STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
ELECTRICAL ENGINEER
1835 S. LAUREL LANE, PORTLAND, OREGON 97225

LIGHTING PLAN NOTES - FLOOR "C1"

- 1 LIGHTING SHOWN THIS PLAN IS TYPICAL FOR FLOOR "C1", ONLY. NO NEW LIGHTING REQUIRED AT FLOORS C2, C3, C4, ABOVE, U.O.N.
- 2 EXPOSED DROPPED CONCRETE BEAM.
- 3 DROPPED CEILING FOR MECHANICAL DUCTS THIS AREA SHOWN CROSS HATCHED.
- 4 OPEN.
- 5 CEILING SLOPES UP TO WINDOW EAST OF THIS BREAK LINE.
- 6 INSTALL J-BOX FLUSH IN CEILING AND LUMINAIRE UP 28"-0". SEE DETAIL SHEET E-9. CONTINUE BRANCH CIRCUIT UP TO UPPER TYPE "H" LUMINAIRES. SMOOTH STUCCO SURFACE AND CAULK AT LUMINAIRE BASE.
- 7 TO LIGHTING CONTROL CONTACTOR IN "EER".
- 8 LIGHTING CONTROL CONTACTORS SERVING BUILDING WALL MOUNTED SECURITY LIGHT AT 4TH FLOOR AND EXTERIOR STAIR LIGHTS. SEE DETAIL, SHEET E-9, C.A.R.
- 9 CELL NORMAL LIGHT BY-PASS SWITCHES. INSTALL ABOVE CHASE IN COMMON BOX, TYPICAL. CELL LIGHTING WIRING IS DIAGRAMMATIC, ONLY. SEE DETAILS, SHEET E-9, FOR RACEWAY ROUTING AND WIRING DIAGRAM.
- 10 INSTALL "TLCP" FLUSH IN WALL, IN GUARD STATION WALL MODULE. PANEL TO CONTAIN ALL SWITCHES SHOWN THIS AREA. SEE PANEL DETAIL, SHEET E-10.
- 11 TYPICAL LIGHTING CONTROL SWITCH WITH ALPHA DESIGNATOR INDICATING LIGHTS UNDER SWITCH CONTROL. INSTALL IN "TLCP", C.A.R. SEE DETAIL.
- 12 REMOVE ALL (E) LIGHT FIXTURES AND RELATED WIRING THESE ROOMS. FIGURE (2) PORCELAIN LAMP HOLDERS PER ROOM.
- 13 BLACK DOT REPRESENTS CONNECTION TO NIGHT LIGHT IN FIXTURE, TYPICAL.
- 14 INSTALL TYPE "M" FIXTURE ON WALL ABOVE CHASE DOOR, TYPICAL ALL SHOWN THIS SHEET.
- 15 ROUTE HOME RUN THROUGH TIER LIGHTING CONTROL PANEL. CIRCUITING IS DIAGRAMMATIC; SEE WIRING DETAILS. PROVIDE NUMBER OF CONDUCTORS NECESSARY TO SATISFY AREA CONTROL REQUIREMENTS. SEE CONTROL DIAGRAM DRAWING E-9.
- 16 OPEN
- 17 REPLACE (E) STAIRWAY LIGHTS AT SAME LOCATIONS, U.O.N. REMOVE ALL BATTERY LIGHTS.
- 18 CONNECT THROUGH EXTERIOR STAIR CONTACTOR, RM. C140.
- 19 CONTINUE WIRING TO UPPER LEVEL LUMINAIRES.

- 20 OPEN
- 21 OPEN
- 22 OPEN
- 23 INSTALL TYPE "A" LUMINAIRES ABOVE DESKS.
- 24 CONTROL THESE LUMINAIRES AT SWITCH (N).

C1 FLOOR PLAN-LIGHTING



LIGHTING PLAN NOTES - FLOORS "C2", "C3", AND "C4"

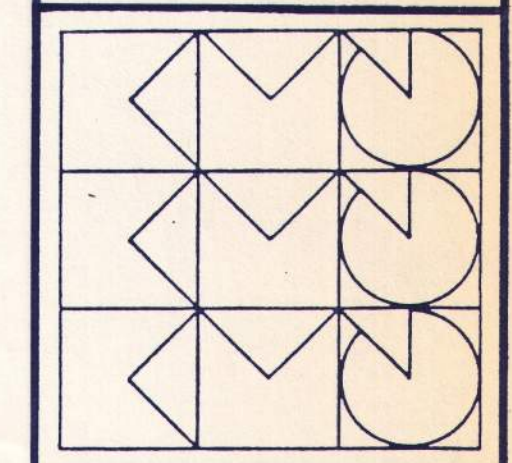
- 1 AT 4TH FLOOR, INSTALL LUMINAIRE TOP EVEN WITH WINDOW HEADS. AIM TO BEST ILLUMINATE HIGH MAST SHADOW AREA.
- 2 HOMERUN TO 1ST FLOOR PANEL THRU CONTACTOR. RUN CONDUIT IN WALL/COLUMN CORNER. INSTALL J-BOX SURFACE ON CEILING. "LB" CONNECTORS AND SHORT LENGTH EXPOSED WIRING ACCEPTABLE ON OUTSIDE BUILDING WALL, ONLY.
- 3 OPEN
- 4 OPEN
- 5 OPEN
- 6 INSTALL J-BOX FLUSH IN CEILING AND LUMINAIRE UP 28"-0". SEE DETAIL, SHEET E-9 FOR TOTAL NUMBER TYPE "M" FIXTURES AT OUTSIDE STAIRS. CONTINUE BRANCH CIRCUIT UP AND DOWN TO OTHER TYPE "H" LUMINAIRES.

C2.3.4 FLOOR PLAN - LIGHTING

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

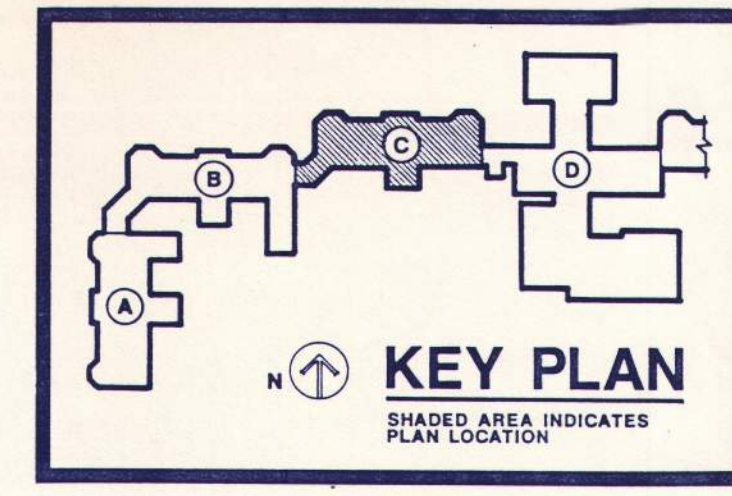
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E3



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MECHANICAL & ELECTRICAL ENGINEERS
410 MARSHALL STREET, EUGENE, OREGON 97401

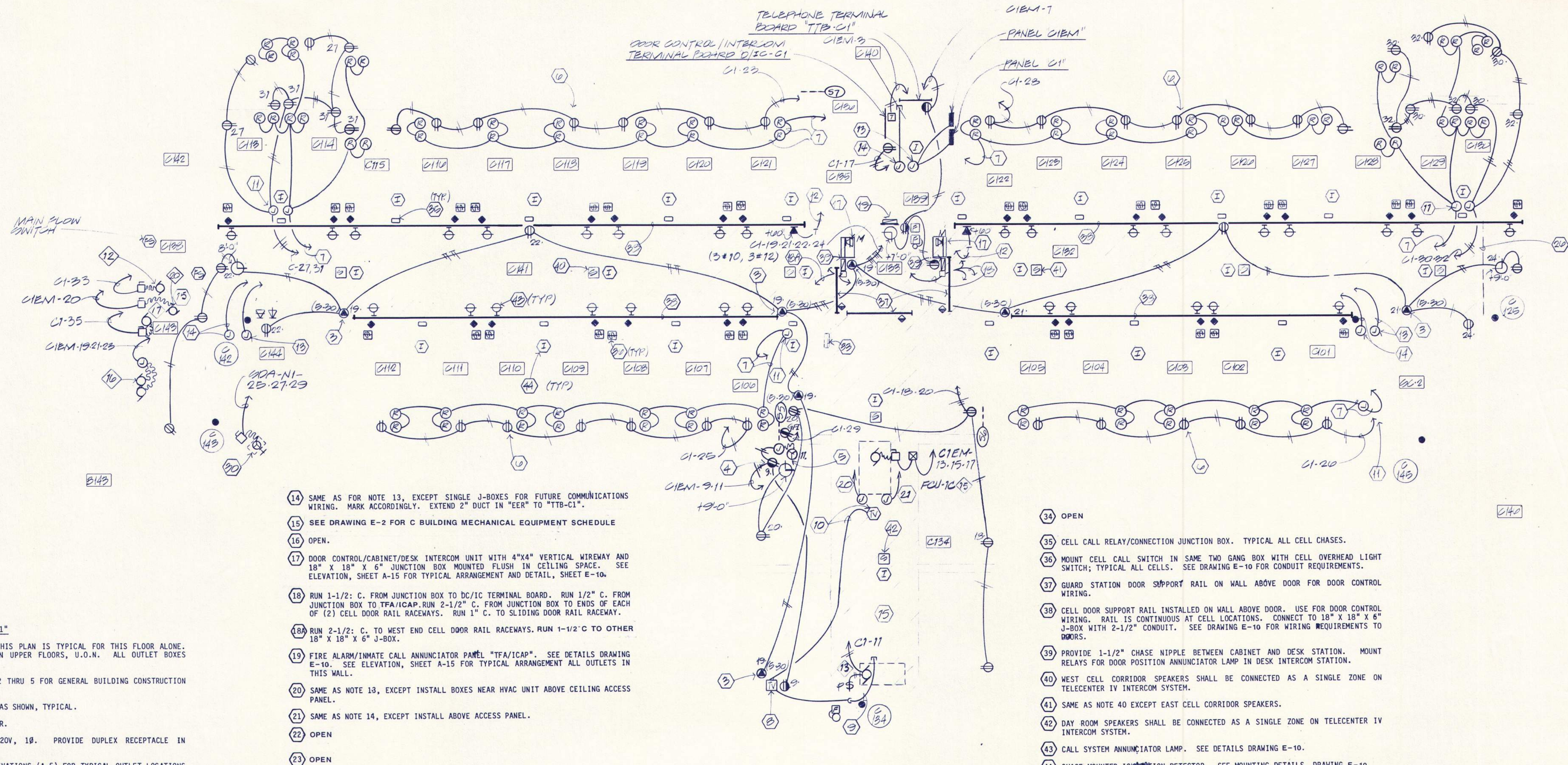
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1807 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
REGISTERED ELECTRICAL ENGINEER
800 S. LAUREL LEAF LANE, PORTLAND, OREGON 97225

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 344-3249



POWER/SIGNAL PLAN NOTES - FLOORS "C1"

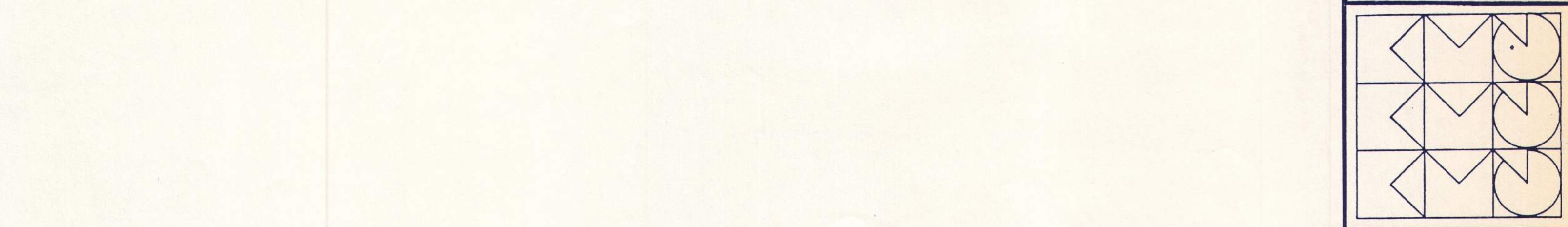
- 1 POWER/SIGNAL SYSTEM SHOWN ON THIS PLAN IS TYPICAL FOR THIS FLOOR ALONE. NO ELECTRICAL WORK REQUIRED ON UPPER FLOORS, U.O.N. ALL OUTLET BOXES SHALL HAVE TAMPERPROOF SCREWS.
- 2 REFER TO LIGHTING PLAN NOTES 2 THRU 5 FOR GENERAL BUILDING CONSTRUCTION CHARACTERISTICS, THIS FLOOR.
- 3 OUTLET FOR BUFFER, NEMA RATING AS SHOWN, TYPICAL.
- 4 RECEPTACLE FOR ICE MAKER. C.A.R.
- 5 HOT WATER DISPENSER: 750W, 120V, 1Ø. PROVIDE DUPLEX RECEPTACLE IN CABINET.
- 6 SEE ARCHITECTURAL CELL ROOM ELEVATIONS (A-S) FOR TYPICAL OUTLET LOCATIONS AND HEIGHTS, TYPICAL ALL CELLS. ONE RADIO OUTLET IS FOR LOWER BUNK, OTHER IS FOR UPPER BUNK. RUN CONCEALED RACEWAY CONTINUOUS IN (N) CONCRETE BLOCK WALL APPLIED TO (E) OUTSIDE BUILDING WALL.
- 7 1-1/4" C.O. HOMERUN TO "EER" AND 1" C.O. BETWEEN EACH RADIO OUTLET. STUB DUCTS TO "TTB-C1"; MARK "RADIO - NW" (NORTHWEST), SW, NE, SE, RESPECTIVELY.
- 8 INSTALL OUTLETS UP 27'-0" FOR TELEVISION CONNECTIONS. SEE ARCHITECTURAL.
- 9 STUB 1-1/4" DUCT INTO ATTIC. RUN 20 FEET TOWARD MAIN ATTIC SPACE ON OVERHEAD RAFTERS. MARK "BLDG C-TV".
- 10 FLUSH ENCLOSURE AND SPEAKER FOR TV. RUN 1/2" C: 2#16, TWISTED, TO TV J-BOX. C.A.R.
- 11 INSTALL 6X6X4 J-BOX WITH SCREW COVER CONVENIENT LOCATION IN MECHANICAL CHASE OR ROOM SHOWN; LABEL BOX COVERS "RADIO".
- 12 1" C.O. TO TTB-1C.
- 13 PROVIDE (2) 12"x12"x6" D SCREW COVER J-BOXES ON WALL ABOVE DOOR, ONE FOR FUTURE EMERGENCY POWER BRANCH CIRCUITS, OTHER FOR FUTURE NORMAL BRANCH CIRCUITS. LABEL ACCORDINGLY. RUN 2" DUCT SYSTEM BETWEEN SIMILAR BOXES, WITH PULL STRING, AND 2" DUCT FROM "EER" BOXES TO PANELS "C1" AND "C1EM", RESPECTIVELY.

- 14 SAME AS FOR NOTE 13, EXCEPT SINGLE J-BOXES FOR FUTURE COMMUNICATIONS WIRING. MARK ACCORDINGLY. EXTEND 2" DUCT IN "EER" TO "TTB-C1".
- 15 SEE DRAWING E-2 FOR C BUILDING MECHANICAL EQUIPMENT SCHEDULE
- 16 OPEN.
- 17 DOOR CONTROL/CABINET/DESK INTERCOM UNIT WITH 4"x4" VERTICAL WIRWAY AND 18" X 18" X 6" JUNCTION BOX MOUNTED FLUSH IN CEILING SPACE. SEE ELEVATION, SHEET A-15 FOR TYPICAL ARRANGEMENT AND DETAIL, SHEET E-10.
- 18 RUN 1-1/2" C. FROM JUNCTION BOX TO DC/IC TERMINAL BOARD. RUN 1/2" C. FROM JUNCTION BOX TO TFA/ICAP. RUN 2-1/2" C. FROM JUNCTION BOX TO ENDS OF EACH OF (2) CELL DOOR RAIL RACEWAYS. RUN 1" C. TO SLIDING DOOR RAIL RACEWAY.
- 18A RUN 2-1/2" C. TO WEST END CELL DOOR RAIL RACEWAYS. RUN 1-1/2" C. TO OTHER
- 19 FIRE ALARM/INMATE CALL ANNUNCIATOR PANEL "TFA/ICAP". SEE DETAILS DRAWING E-10. SEE ELEVATION, SHEET A-15 FOR TYPICAL ARRANGEMENT ALL OUTLETS IN THIS WALL.
- 20 SAME AS NOTE 13, EXCEPT INSTALL BOXES NEAR HVAC UNIT ABOVE CEILING ACCESS PANEL.
- 21 SAME AS NOTE 14, EXCEPT INSTALL ABOVE ACCESS PANEL.
- 22 OPEN
- 23 OPEN
- 24 OPEN
- 25 OPEN
- 26 THIS AREA OF CEILING SLOPES UP TO WINDOW SILL. COORDINATE WITH MECHANICAL CONTRACTOR WHEN LAYING OUT DUCT RUNS HERE; VERY LIMITED CEILING SPACE.
- 27 OPEN
- 28 OPEN
- 29 OPEN

- 34 OPEN
- 35 CELL CALL RELAY/CONNECTION JUNCTION BOX. TYPICAL ALL CELL CHASES.
- 36 MOUNT CELL CALL SWITCH IN SAME TWO GANG BOX WITH CELL OVERHEAD LIGHT SWITCH; TYPICAL ALL CELLS. SEE DRAWING E-10 FOR CONDUIT REQUIREMENTS.
- 37 GUARD STATION DOOR SUPPORT RAIL ON WALL ABOVE DOOR FOR DOOR CONTROL WIRING.
- 38 CELL DOOR SUPPORT RAIL INSTALLED ON WALL ABOVE DOOR. USE FOR DOOR CONTROL WIRING. RAIL IS CONTINUOUS AT CELL LOCATIONS. CONNECT TO 18" X 18" X 6" J-BOX WITH 2-1/2" CONDUIT. SEE DRAWING E-10 FOR WIRING REQUIREMENTS TO DOORS.
- 39 PROVIDE 1-1/2" CHASE NIPPLE BETWEEN CABINET AND DESK STATION. MOUNT RELAYS FOR DOOR POSITION ANNUNCIATOR LAMP IN DESK INTERCOM STATION.
- 40 WEST CELL CORRIDOR SPEAKERS SHALL BE CONNECTED AS A SINGLE ZONE ON TELECENTER IV INTERCOM SYSTEM.
- 41 SAME AS NOTE 40 EXCEPT EAST CELL CORRIDOR SPEAKERS.
- 42 DAY ROOM SPEAKERS SHALL BE CONNECTED AS A SINGLE ZONE ON TELECENTER IV INTERCOM SYSTEM.
- 43 CALL SYSTEM ANNUNCIATOR LAMP. SEE DETAILS DRAWING E-10.
- 44 CHASE MOUNTED IDENTIFICATION DETECTOR. SEE MOUNTING DETAILS, DRAWING E-10.

- 30 UNIT HEATER (EUN-1C): 5.0 KW, 2ØV, 3Ø. C.A.R. THRU 3ØA-3Ø DISCONNECT HIGH ON WALL TO PANEL SDA-(N) IN "US-4" ELECTRICAL ROOM. SEE SHEET E-6 FOR LOCATION.
- 31 OPEN
- 32 OPEN
- 33 (E) PANELBOARD; USE FOR TEMPORARY POWER; REMOVE PANEL BRANCH DUCTS OUT PANEL BOTTOM, AND 3" FEEDER FULL LENGTH BUILDING "C" CORRIDOR. ALSO REMOVE (E) CEILING HUNG MOUNTING RACKS FOR SAME.

CI FLOOR PLAN - POWER / SIGNAL

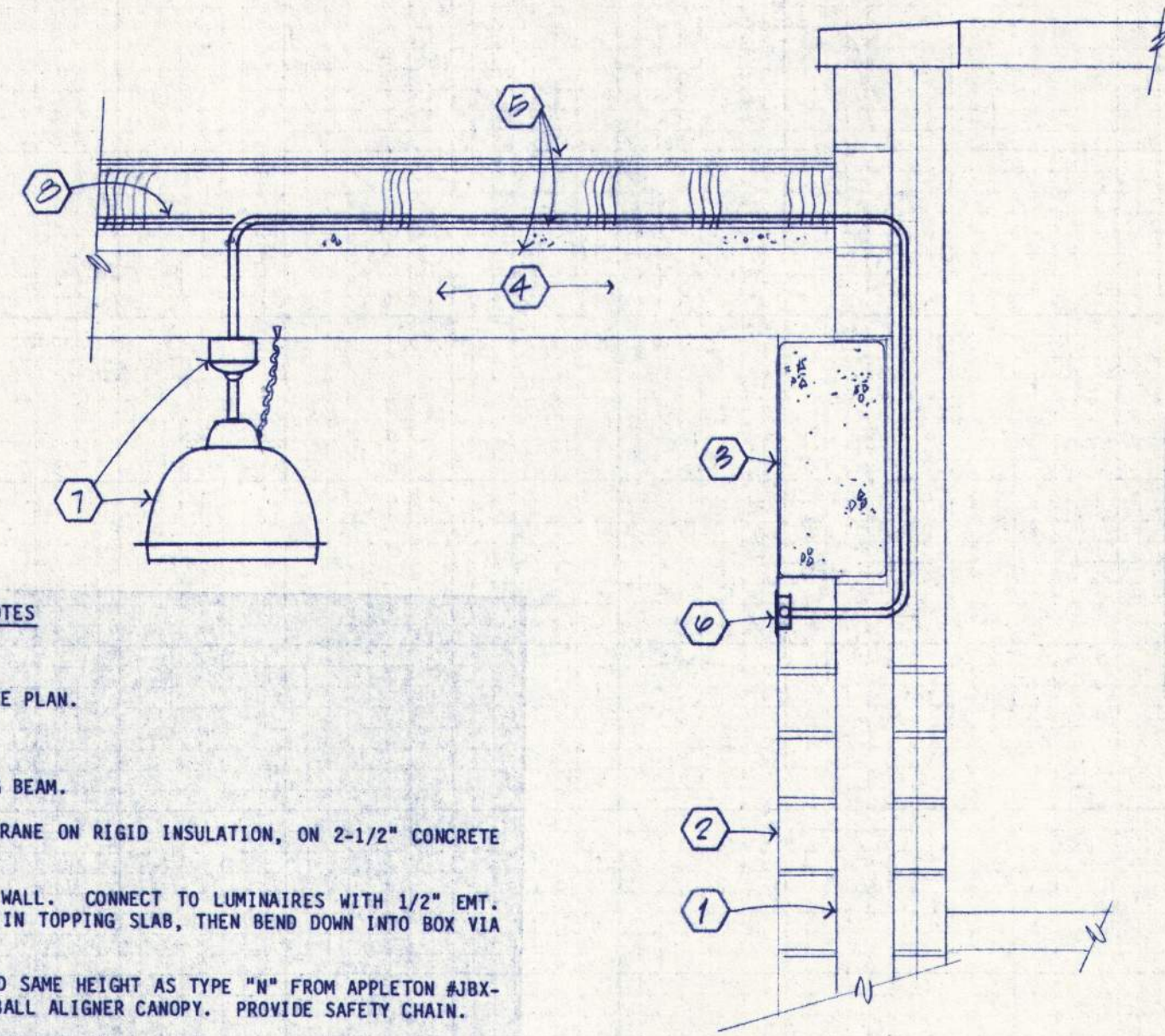


C2.3.4 FLOOR PLAN - POWER / SIGNAL

- POWER/SIGNAL NOTES, FLOORS "C2", "C3", "C4"
- 1 DOOR MONITOR AND CONTROL LOCATIONS ARE TYPICAL AT THIS LOCATION FOR DOOR 301 AND 401 ON FLOORS C3 AND C4.
 - 2 DOOR MONITOR AND CONTROL LOCATIONS ARE TYPICAL FOR DOORS 302 AND 303 ON THIRD FLOOR.
 - 3 CONNECT TO (2) FLOW SWITCHES AT 4TH FLOOR, SINGLE AT FLOORS BELOW.

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E4



LUMINAIRE "N1" MOUNTING DETAIL NOTES

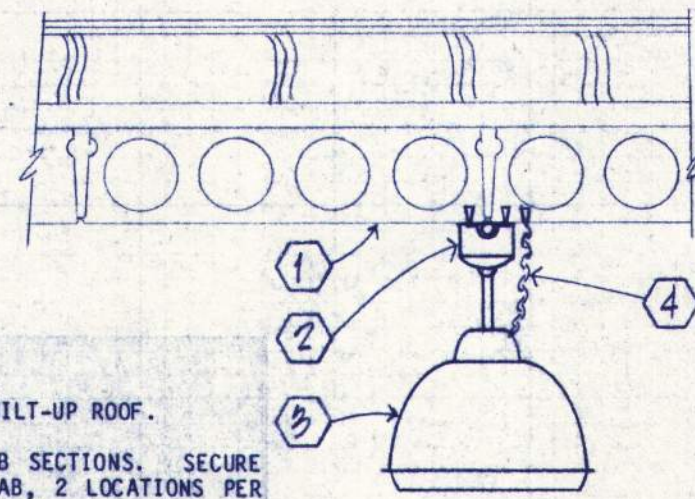
- 1 CONCRETE BLOCK WALL.
- 2 COLUMN ON 24 FOOT CENTERS; SEE PLAN.
- 3 CONCRETE BEAM AT CEILING.
- 4 "CORE FLOOR" CONCRETE CEILING BEAM.
- 5 ROOF, BUILT-UP ROOFING MEMBRANE ON RIGID INSULATION, ON 2-1/2" CONCRETE TOPPING SLAB.
- 6 SINGLE GANG J-BOX FLUSH IN WALL. CONNECT TO LUMINAIRE WITH 1/2" EMT. ROUTE AROUND BEAM, THEN RUN IN TOPPING SLAB, THEN BEND DOWN INTO BOX VIA GAP BETWEEN CORE SLABS.
- 7 TYPE "N1" LUMINAIRE. SUSPEND SAME HEIGHT AS TYPE "N" FROM APPLETON AIBX-50-85 CAST SURFACE BOX WITH BALL ALIGNER CANOPY. PROVIDE SAFETY CHAIN.
- 8 SECOND CONDUIT CONTINUES TO TYPE "S" LUMINAIRE WHERE PLAN SHOWN.

LUMINAIRE "N" MOUNTING DETAIL NOTES

- 1 CORE FLOOR SLAB CEILING WITH 2-1/2" D TOPPING SLAB, BUILT-UP ROOF.
- 2 RUN 1/2" DUCT ("DMT") IN GROOVE BETWEEN 4 FOOT SLAB SECTIONS. SECURE OUTLET BOX USING CONCRETE EXPANSION INSERTS INTO SLAB, 2 LOCATIONS PER BOX. USE APPLETON AIBX-50-85 BOX AND BALL ALIGNER CANOPY.
- 3 TYPE "N" LUMINAIRE WITH ±12" PENDANT STEM, BALL CANOPY.
- 4 SECURE SHORT LENGTH BALLAST SAFETY CHAIN TO SLAB USING CONCRETE EXPANSION INSERT.

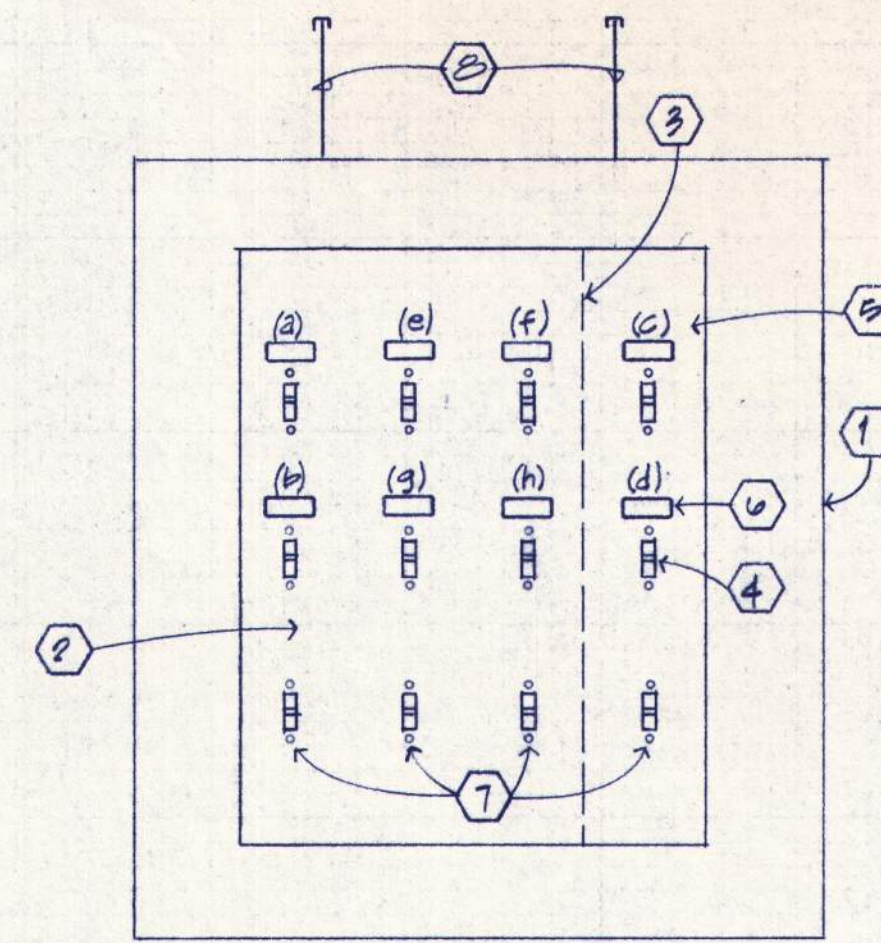
LUMINAIRE "N" MOUNTING DETAIL

1/2" x 1/2"



DINING LIGHTING CONTROL PANEL NOTES

- 1 12" W X 16" H X 6" D STAINLESS STEEL FLUSH EQUIPMENT ENCLOSURE WITH LOCKING HANDLE, SIMILAR TO HOPKIN #A-10200PLP (STAINLESS) WITH #A-1092Z PANEL AND #A-MADFK NEHA SWING OUT PANEL KIT. PROVIDE TAMPER RESISTANT LATCH KIT #D-L33. PROVIDE 20 #0-L33Y KEYS.
- 2 SWING OUT PANEL; INSTALL INSIDE ENCLOSURE SIZE REQUIRED TO FILL ENCLOSURE INSIDE DIMENSIONS. PUNCH EVENLY SPACED HOLES FOR TOGGLE SWITCH HANDLES; CENTER SLIP HOLES FOR SWITCH SCREENS.
- 3 PROVIDE BARRIER TO SEPARATE NORMAL FROM EMERGENCY WIRING. SCREW TO BACK OF SWING OUT PANEL.
- 4 TOGGLE TYPE SWITCH WITH LIGHTED TOGGLE HANDLE (RED) IN "ON" POSITION. SECURELY SCREW TO DEAD FRONT WITH TAMPERPROOF SCREENS. ALL SWITCHES 2 POLE TYPE, EXCEPT "A" AND "B" AND "SPARES".
- 5 SWITCH DESIGNATOR. SEE SCHEDULE AND FLOOR PLANS.
- 6 PHENOLIC SWITCH NAMEPLATE. LABEL PER DESIGNATOR SCHEDULE.
- 7 SPARE SWITCHES; LABEL "SPARE".
- 8 PROVIDE 3/4" DUCT INTO CEILING SPACE. MARK END "SPARE".



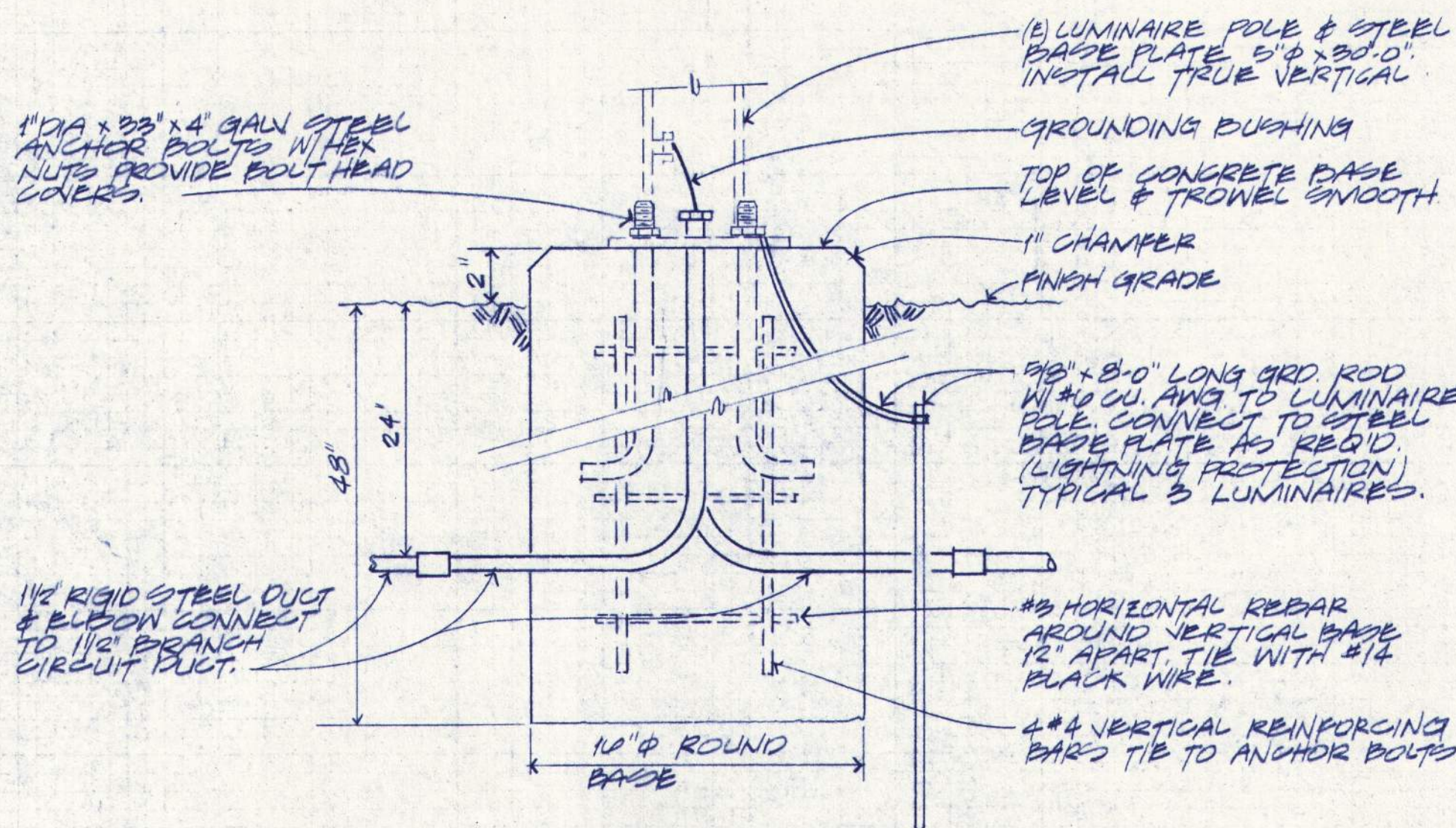
SWITCH DESIGNATOR SCHEDULE

- (a): SERVING
- (b): SERVING
- (c): EAST DINING (EMERGENCY)
- (d): WEST DINING (EMERGENCY)
- (e): EAST DINING (WEST)
- (f): WEST DINING (EAST)
- (g): WEST DINING (EAST)
- (h): WEST DINING (WEST)

DINING LIGHTING CONTROL PANEL "DLCP" DETAIL

NO SCALE

A SECTION-LUMINAIRE "N1" MOUNTING DETAIL

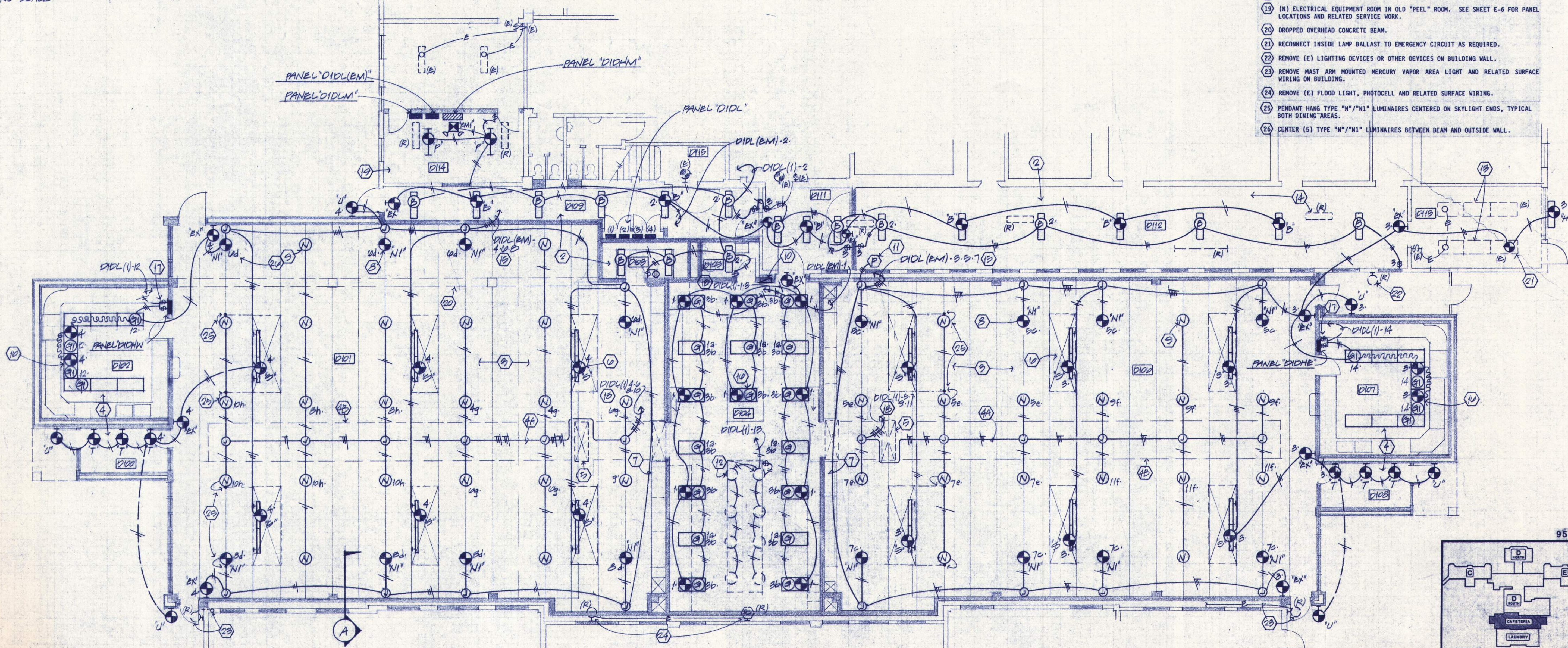


POLE MOUNTED LUMINAIRE BASE DETAIL

NO SCALE

DINING AREA LIGHTING PLAN NOTES

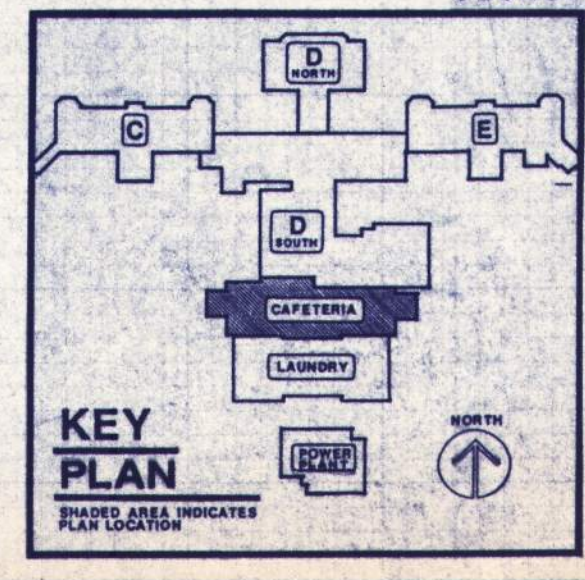
- 1 SEE ARCHITECTURAL ELEVATION DRAWINGS FOR HEIGHTS ALL WALL MOUNTED LUMINAIRE. (N) WALLS ARE, IN GENERAL, CONCRETE BLOCK TYPE.
- 2 CORRIDOR 0112 HAS (E) SUSPENDED PLASTER CEILING; ROOMS D103-D-105, D109 HAVE (N) SUSPENDED PLASTER CEILING.
- 3 DINING ROOM CEILING ARE CONCRETE SLAB (CORE SLAB) ±18'-0" AFF.
- 4 DISHWASH CEILING IS SLOPED CORE SLAB ±12'-0" AFF. SURFACE MOUNT FIXTURES. RUN SHORT LENGTH RACEWAY FROM WALL TO FIXTURE USING "EMT". RUN EMERGENCY WIRING INSIDE FIXTURES IN FLEX RACEWAY.
- 5 RUN THIS RACEWAY SYSTEM DOWN CENTER OF ROOM EXPOSED ON CEILING ABOVE SUSPENDED MECHANICAL DUCT. RUN BRANCH WIRING TO TYPE "N" LUMINAIRE IN GROOVE BETWEEN CORE SLABS. ENTRY VESTIBULE CEILING IS GLASS.
- 6 DASHED LINE REPRESENTS OVERHEAD SUSPENDED MECHANICAL AIR SUPPLY DUCT.
- 7 MECHANICAL DUCT RISES VERTICALLY THRU CEILING AT THIS LOCATION. RUN RACEWAY AROUND AS HIDDEN AS POSSIBLE.
- 8 INSTALL TYPE "S" LUMINAIRE MIDWAY ON WALL OF OVERHEAD SKYLIGHT (SHOWN WITH DASHED LINES). RUN WIRING CONCEALED IN ROOF TOPPING SLAB ABOVE CORE SLAB, TYPICAL BOTH DINING ROOMS. CONTROL VIA PHOTOCELL. CONNECT CIRCUIT HOT LEG TO BATTERY POWERED BALLAST.
- 9 RUN THIS WIRING LEG ACROSS ROOM IN ROOF TOPPING SLAB.
- 10 SEE DETAIL, ABOVE, FOR WIRING METHOD AT PERIMETER WALLS.
- 11 SEE DETAIL, ABOVE, FOR INSTALLATION ALL TYPE "N" LUMINAIRE.
- 12 DINING LIGHTING CONTROL PANEL ("DLCP"). SEE DETAIL, ABOVE.
- 13 INSTALL PHOTOCELL ABOVE ROOF. SEE CONTROL DETAIL, SHEET E-9. CONTROLS ALL TYPE "S", "T", "U", AND "H" FIXTURES.
- 14 CONNECT TO EXHAUST HOOD LIGHTS AS REQUIRED. INSTALL CONTROL SWITCH IN "FS" TYPE BOX ON LOWER EDGE OF HOOD.
- 15 REMOVE (E) PENDANT STEMS. MOUNT (E) LUMINAIRE SURFACE ON CEILING. USE SPACERS AS REQUIRED.
- 16 REMOVE ALL (E) CORRIDOR LIGHTS; BLANK COVER OUTLET BOXES WITH 5" ROUND WHITE COVERS.
- 17 RUN CIRCUIT NO. 3 AND 4 THRU PHOTOCELL CONTROLLED RELAY; OTHER CIRCUITS THRU "DLCP". CONNECT EXIT SIGNS TO SAME CIRCUIT UNLESS NOTED OTHERWISE.
- 18 CONNECT INSIDE LAMPS TO EMERGENCY CIRCUIT AT TYPE "G" AND "G1" LUMINAIRE, TYPICAL WHERE SHOWN.
- 19 CONNECT INSIDE LAMPS TO SWITCH CLOSEST TO DOOR; OUTSIDE LAMPS TO ADJACENT SWITCH.
- 20 HOMERUN THRU "DLCP" SWITCHES.
- 21 (N) ELECTRICAL EQUIPMENT ROOM IN OLD "PEEL" ROOM. SEE SHEET E-6 FOR PANEL LOCATIONS AND RELATED SERVICE WORK.
- 22 DROPPED OVERHEAD CONCRETE BEAM.
- 23 REMOVE (E) LIGHTING DEVICES OR OTHER DEVICES ON BUILDING WALL.
- 24 REMOVE MAST ARM MOUNTED MERCURY VAPOR AREA LIGHT AND RELATED SURFACE WIRING ON BUILDING.
- 25 REMOVE (E) FLOOD LIGHT, PHOTOCELL AND RELATED SURFACE WIRING.
- 26 PENDANT HANG TYPE "N"/"N1" LUMINAIRE CENTERED ON SKYLIGHT ENDS, TYPICAL BOTH DINING AREAS.
- 27 CENTER (S) TYPE "N"/"N1" LUMINAIRE BETWEEN BEAM AND OUTSIDE WALL.



DI FLOOR PLAN (PARTIAL)-LIGHTING

1/8" = 1'-0"

(DINING COMPLEX)



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OREGON STATE CORRECTIONS DIVISION
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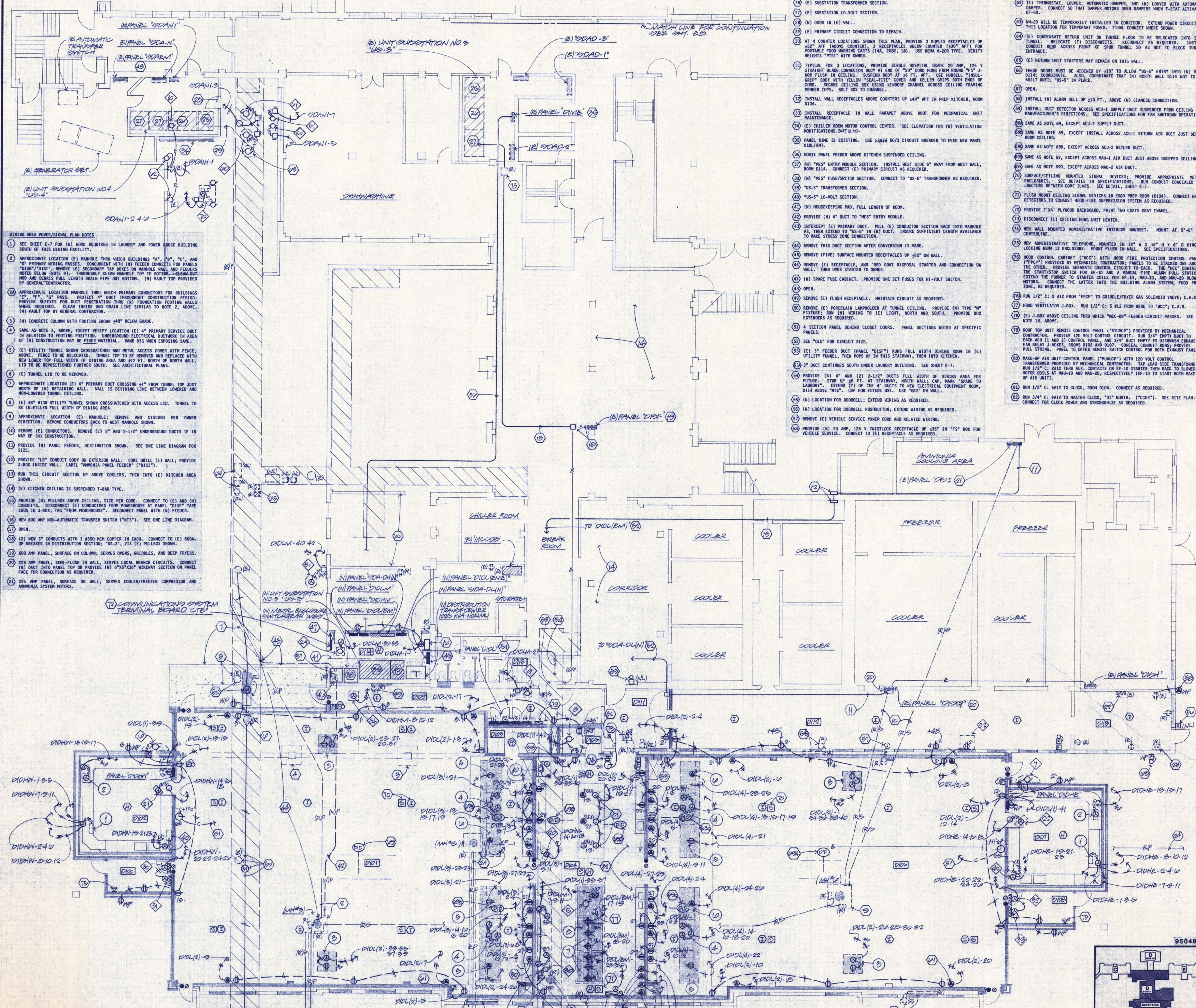
125 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 (503) 223-1181
685 THIRTEENTH AVENUE, EAST, EUGENE, OREGON 97401 (503) 344-5249

BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
400 MARSHALL STREET, EUGENE, OREGON 97401

LOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
107 04A STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
440 S.W. CAMELLEAF LANE, PORTLAND, OREGON 97204





- DINING AREA POWER/SIGNAL PLAN NOTES**
- SEE SHEET E-7 FOR (N) WORK REQUIRED IN LAUNDRY AND POWER HOUSE BUILDING SOUTH OF THIS DINING FACILITY.
 - APPROXIMATE LOCATION (E) MANHOLE THRU WHICH BUILDINGS "A", "B", "C", AND "D" PRIMARY WIRING PASSES. CONCURRENT WITH (N) FEEDER CONNECTIONS FOR PANELS "DISP"/"DIS1". REMOVE (E) SECONDARY TAP BOXES ON MANHOLE WALL AND FEEDERS NOTED BELOW (NOTE 9). THOROUGHLY CLEAN MANHOLE TOP TO BOTTOM. CLEAN AROUND AND DEBRIS FULL LENGTH DRAIN PIPE OUT BOTTOM. (N) VAULT TOP PROVIDED BY GENERAL CONTRACTOR.
 - APPROXIMATE LOCATION MANHOLE THRU WHICH PRIMARY CONNECTIONS FOR BUILDINGS "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z" PASSES. PROTECT 4" DUCT THROUGHOUT CONSTRUCTION PERIOD. PROVIDE SLEEVES FOR DUCT PENETRATION THRU (N) FOUNDATION FOOTING WALLS WHERE REQUIRED. CLEAN INSIDE AND DRAIN LINE SIMILAR TO NOTE 2, ABOVE. (N) VAULT TOP BY GENERAL CONTRACTOR.
 - (N) CONCRETE COLUMN WITH FOOTING SHOWN 48" BENEATH GRADE.
 - SAME AS NOTE 3, ABOVE, EXCEPT VERIFY LOCATION (E) 4" PRIMARY SERVICE DUCT IN RELATION TO FOOTING POSITION. UNDERGROUND ELECTRICAL DUCTWORK IN AREA OF (N) CONSTRUCTION MAY BE FIBER MATERIAL. HAND DIG WHEN EXPOSING SAME.
 - (E) UTILITY TUNNEL SHOWN CROSSHATCHED AND METAL ACCESS COVER WITH FENCE, ABOVE. FENCE TO BE RELOCATED. TUNNEL TOP TO BE REMOVED AND REPLACED WITH NEW LOWER TOP FULL WIDTH OF DINING AREA AND 212 FT. NORTH OF NORTH WALL. LID TO BE REPOSITIONED FURTHER SOUTH. SEE ARCHITECTURAL PLANS.
 - (E) TUNNEL LID TO BE REMOVED.
 - APPROXIMATE LOCATION (E) 4" PRIMARY DUCT CROSSING 34" FROM TUNNEL TOP JUST NORTH OF (N) RETAINING WALL. WALL IS DIVIDING LINE BETWEEN LOWERED AND NON-LOWERED TUNNEL CEILING.
 - (E) 48" HIGH UTILITY TUNNEL SHOWN CROSSHATCHED WITH ACCESS LID. TUNNEL TO BE IN-FILLED FULL WIDTH OF DINING AREA.
 - APPROXIMATE LOCATION (E) MANHOLE; REMOVE AND DISCARD PER OWNER DIRECTION. REMOVE CONDUCTORS BACK TO MANHOLE SHOWN.
 - REMOVE (E) CONDUCTORS. REMOVE (E) 2" AND 2-1/2" UNDERGROUND DUCTS IF IN WAY OF (N) CONSTRUCTION.
 - PROVIDE (N) PANEL FEEDER, DESTINATION SHOWN. SEE ONE LINE DIAGRAM FOR SIZE.
 - PROVIDE "LB" CONDUIT BODY ON EXTERIOR WALL. CORE DRILL (E) WALL; PROVIDE J-BOX INSIDE WALL. LABEL "AMMONIA PANEL FEEDER" ("DIS1").
 - RUN THIS CIRCUIT SECTION UP ABOVE COOLERS, THEN INTO (E) KITCHEN AREA SHOWN.
 - (E) KITCHEN CEILING IS SUSPENDED T-BAR TYPE.
 - PROVIDE (N) PULLBOX ABOVE CEILING, SIZE PER CODE. CONNECT TO (E) AND (N) CONDUITS. DISCONNECT (E) CONDUCTORS FROM POWERHOUSE AT PANEL "DISP" TAP ENDS IN J-BOX; TAG FROM POWERHOUSE. RECONNECT PANEL WITH (N) FEEDER.
 - NEW 600 AMP NON-AUTOMATIC TRANSFER SWITCH ("MIS"). SEE ONE LINE DIAGRAM.
 - OPEN.
 - NEW 3" CONDUITS WITH 3 #30 NON COPPER IN EACH. CONNECT TO (E) 600A-UP BREAKER IN DISTRIBUTION SECTION; "US-5", VIA (E) PULLBOX SHOWN.
 - 600 AMP PANEL, SURFACE ON COLUMN; SERVES Ovens, GRIDDLES, AND DEEP FRYERS.
 - 225 AMP PANEL, SEMI-FLUSH IN WALL; SERVES LOCAL BRANCH CIRCUITS. CONNECT (N) DUCT INTO PANEL TOP OR PROVIDE (N) 6"x6"x36" WIREWAY SECTION ON PANEL FACE FOR CONNECTION AS REQUIRED.
 - 225 AMP PANEL, SURFACE ON WALL; SERVES COOLER/FREEZER COMPRESSOR AND AMMONIA SYSTEM MOTORS.

- COMMUNICATIONS SYSTEM TERMINAL SYMBOLS**
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- (E) WALL MOUNTED HEATER TO REMAIN.
- CIRCUIT BREAKER AND WIRING SURFACE ON WALL; REMOVE.
- PRIMARY DUCT CONTINUES TO BUILDING "E"; SEE SITE PLAN.
- SUBSTATION HI-VOLT SECTION.
- SUBSTATION TRANSFORMER SECTION.
- SUBSTATION LO-VOLT SECTION.
- (N) DOOR IN (E) WALL.
- PRIMARY CIRCUIT CONNECTION TO REMAIN.
- AT 4 COUNTER LOCATIONS SHOWN THIS PLAN, PROVIDE 3 DUPLEX RECEPTACLES UP 48" AFF (ABOVE COUNTER); 3 RECEPTACLES BELOW COUNTER (30" AFF) FOR PORTABLE FOOD WARMING CARTS (14A, 20B, 18). USE NEMA 6-20R TYPE. VERIFY HEIGHTS "PFR" WITH OWNER.
- TYPICAL FOR 3 LOCATIONS, PROVIDE SINGLE HOSPITAL GRADE 20 AMP, 125 V STRAIGHT BLADE CONNECTOR BODY AT END OF "TOP" COORD FROM ROOM "53" 2-BOX FLUSH IN CEILING. SUSPEND BODY AT 26 FT. AFF. USE HUBBELL "INSUL-GRP" BODY WITH YELLOW "SEAL-TITE" COVER AND KELLEN GRIPS BOTH ENDS OF COIL. SECURE COIL BOX USING KINROD CHANNEL, ACROSS CEILING FRAMING MEMBER TOPS. BOLT BOX TO CHANNEL.
- INSTALL WALL RECEPTACLES ABOVE COUNTERS UP 48" AFF IN PREP KITCHEN, ROOM 101A.
- INSTALL RECEPTACLE IN WALL PARAPET ABOVE ROOF FOR MECHANICAL UNIT MAINTENANCE.
- CHILLER ROOM MOTOR CONTROL CENTER. SEE ELEVATION FOR (N) VENTILATION MODIFICATIONS, SHAF 8-10.
- PANEL DIME IS EXISTING. USE 1/2" NEMA 50/3 CIRCUIT BREAKER TO FEED NEW PANEL DIDLEM.
- ROUTE PANEL FEEDER ABOVE KITCHEN SUSPENDED CEILING.
- (N) "MES" ENTRY MODULE SECTION. INSTALL WEST SIDE 6" AWAY FROM WEST WALL, ROOM 101A. CONNECT (E) PRIMARY CIRCUIT AS REQUIRED.
- (E) CHILLER ROOM MOTOR CONTROL CENTER. SEE ELEVATION FOR (N) VENTILATION MODIFICATIONS, SHAF 8-10.
- "US-5" TRANSFORMER SECTION. CONNECT TO "US-5" TRANSFORMER AS REQUIRED.
- "US-5" TRANSFORMER SECTION.
- "US-5" LO-VOLT SECTION.
- (N) HOUSEKEEPING PAD, FULL LENGTH OF ROOM.
- PROVIDE (N) 4" DUCT TO "MES" ENTRY MODULE.
- INTERCEPT (E) PRIMARY DUCT. PULL (E) CONDUCTOR SECTION BACK INTO MANHOLE #3, THEN EXTEND TO "US-5" IN (N) DUCT. INSURE SUFFICIENT LENGTH AVAILABLE TO MAKE STRESS COME CONNECTION.
- REMOVE THIS DUCT SECTION AFTER CONVERSION IS MADE.
- REMOVE (FIVE) SURFACE MOUNTED RECEPTACLES UP 48" ON WALL.
- REMOVE (E) RECEPTACLE, AND "RED GOAT DISPOSAL STARTER AND CONNECTION ON WALL. TURN OVER STARTER TO OWNER.
- (N) SPARE FUSE CABINET. PROVIDE ONE SET FUSES FOR HI-VOLT SWITCH.
- OPEN.
- REMOVE (E) FLUSH RECEPTACLE. MAINTAIN CIRCUIT AS REQUIRED.
- REMOVE (E) PORCELAIN LAMPHOLDER AT TUNNEL CEILING. PROVIDE (N) TYPE "M" FIXTURE; RUN (N) WIRING TO (E) LIGHT, NORTH AND SOUTH. PROVIDE BOX EXTENDERS AS REQUIRED.
- 4 SECTION PANEL BEHIND CLOSET DOORS. PANEL SECTIONS NOTED AT SPECIFIC PANELS.
- (E) 3" FEEDER DUCT (PANEL "DISP") RUNS FULL WIDTH DINING ROOM IN (E) UTILITY TUNNEL, THEN RIGGS UP IN THIS STAIRWAY, THEN INTO KITCHEN.
- 3" DUCT CONTINUES SOUTH UNDER LAUNDRY BUILDING. SEE SHEET E-7.
- PROVIDE (4) 4" AND (2) 2-1/2" DUCTS FULL WIDTH OF DINING AREA FOR FUTURE. STOP UP 48 FT. AT STAIRWAY, NORTH WALL; CAP, MARK "SPARE TO LAUNDRY". EXTEND (2) OF THE 4" DUCTS TO NEW ELECTRICAL EQUIPMENT ROOM, 0114 ABOVE "MIS". CAP FOR FUTURE USE. USE "MIS" ON WALL.
- (N) LOCATION FOR DOORBELL; EXTEND WIRING AS REQUIRED.
- (N) LOCATION FOR DOORBELL PUSHPUTTON; EXTEND WIRING AS REQUIRED.
- REMOVE (E) VEHICLE SERVICE POWER CORD AND RELATED WIRING.
- PROVIDE (N) 20 AMP, 125 V TWISTLOCK RECEPTACLE UP 48" IN "FS" BOX FOR VEHICLE SERVICE. CONNECT TO (E) RECEPTACLE AS REQUIRED.
- REMOVE (E) OVERDOOR AIR CURTAIN AND ALL RELATED CONTROL DEVICES AND WIRING.
- REMOVE (E) CLOCK AND ALL RELATED WIRING.
- PROVIDE 30 AMP, 125V RECEPTACLE FOR FLOOR BUFFERS, TYPICAL FOR (4) THIS ROOM.
- REMOVE (E) THERMOSTAT, LOUVER, AUTOMATIC DAMPER, AND (N) LOUVER WITH AUTOMATIC DAMPER. CONNECT SO THAT DAMPER MOTORS OPEN DAMPERS WHEN T-STAT ACTIVATES EF-49.
- MH-20 WILL BE TEMPORARILY INSTALLED IN CORRIDOR. EXTEND POWER CIRCUIT TO THIS LOCATION FOR TEMPORARY POWER. FINAL CONNECT WHERE SHOWN.
- CONDENSATE RETURN UNIT ON TUNNEL FLOOR TO BE RELOCATED INTO SPUR TUNNEL. RELOCATE (E) DISCONNECTS. RECONNECT AS REQUIRED. INSTALL CONDENSATE PIPES ACROSS FRONT OF SPUR TUNNEL SO AS NOT TO BLOCK TUNNEL ENTRANCE.
- RETURN UNIT STARTERS MAY REMAIN ON THIS WALL.
- THESE DOORS MUST BE WIDENED BY 110" TO ALLOW "US-5" ENTRY INTO (N) ROOM 0114; COORDINATE. ALSO, COORDINATE THAT (N) NORTH WALL 0114 NOT TO BE BUILT UNTIL "US-5" IN PLACE.
- OPEN.
- INSTALL (N) ALARM BELL UP 10 FT., ABOVE (N) SIAMENSE CONNECTION.
- INSTALL DUCT DETECTOR ACROSS ACU-1 SUPPLY DUCT SUSPENDED FROM CEILING PER MANUFACTURER'S DIRECTIONS. SEE SPECIFICATIONS FOR FAN SHUTDOWN OPERATION.
- SAME AS NOTE 69, EXCEPT ACU-2 SUPPLY DUCT.
- SAME AS NOTE 69, EXCEPT INSTALL ACROSS ACU-1 RETURN AIR DUCT JUST BELOW ROOM CEILING.
- SAME AS NOTE 69, EXCEPT ACROSS ACU-2 RETURN DUCT.
- SAME AS NOTE 69, EXCEPT ACROSS MAU-1 AIR DUCT JUST ABOVE DROPPED CEILING.
- SAME AS NOTE 69, EXCEPT ACROSS MAU-2 AIR DUCT.
- SURFACE/CEILING MOUNTED SIGNAL DEVICES; PROVIDE APPROPRIATE METAL ENCLOSURES. SEE DETAILS IN SPECIFICATIONS. RUN CONDUIT CONCEALED IN JUNCTION BETWEEN CORE SLABS. SEE DETAIL, SHEET E-7.
- FLUSH MOUNT CEILING SIGNAL DEVICES IN FOOD PREP ROOM (0104). CONNECT HEAT DETECTORS TO EXHAUST HOOD FIRE SUPPRESSION SYSTEM AS REQUIRED.
- PROVIDE 2"x4" PLWOOD BACKBOARD, PAINT TWO COATS GRAY EMAMEL.
- DISCONNECT (E) CEILING HUNG UNIT HEATER.
- NEW WALL MOUNTED ADMINISTRATIVE INTERCOM HANDSET. MOUNT AT 5'-0" TO CENTERLINE.
- NEW ADMINISTRATIVE TELEPHONE. MOUNTED IN 12" W X 16" H X 6" D HINGED LOCKING NEMA 12 ENCLOSURE. MOUNT FLUSH IN WALL. SEE SPECIFICATIONS.
- HOOD CONTROL CABINET ("MCC") WITH HOOD FIRE PROTECTION CONTROL PANEL ("FPCP") PROVIDED BY MECHANICAL CONTRACTOR; PANELS TO BE STACKED ONE ABOVE THE OTHER. PROVIDE SEPARATE CONTROL CIRCUIT TO EACH. THE "MCC" CONTAINS THE START/STOP SWITCH FOR EF-10 AND A MANUAL FIRE ALARM PULL STATION. EXTEND THE FORMER TO STARTER COILS FOR EF-10, MAU-10, AND MAU-20 BLOWER MOTORS. CONNECT THE LATTER INTO THE BUILDING ALARM SYSTEM, FOOD PREP ZONE, AS REQUIRED.
- RUN 1/2" C; 2 #12 FROM "FPCP" TO GRID/FRYER GAS SOLENOID VALVE; C.A.R.
- HOOD VENTILATOR J-BOX. RUN 1/2" C; 5 #12 FROM HERE TO "MCC"; C.A.R.
- (E) J-BOX ABOVE CEILING THRU WHICH "MCC-08" FEEDER CIRCUIT PASSES. SEE NOTE 18, ABOVE.
- ROOF TOP UNIT REMOTE CONTROL PANEL ("RTMPC") PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120 VOLT CONTROL CIRCUIT. RUN 3/4" EMPTY DUCT TO EACH RTMPC (1 AND 2) CONTROL PANEL, AND 3/4" DUCT EMPTY TO DISCHARGE EXHAUST FAN RELAY J-BOXES, ROOMS 0102 AND 0107. CONCEAL CONDUIT RUNS; PROVIDE PULL STRINGS. PANEL TO OFFER REMOTE SWITCH CONTROL FOR BOTH EXHAUST FANS.
- MAKE-UP AIR UNIT CONTROL PANEL ("MAUCP") WITH 120 VOLT CONTROL TRANSFORMER PROVIDED BY MECHANICAL CONTRACTOR. TAG LOAD SIDE TRANSFORMER; RUN 1/2" C; 2#12 THRU AUX. CONTACTS ON EF-10 STARTER THEN BACK TO BLOWER MOTOR COILS AT MAU-10 AND MAU-20, RESPECTIVELY (EF-10 TO START BOTH MAKE-UP AIR UNITS).
- RUN 1/2" C; #12 TO CLOCK, ROOM 0104. CONNECT AS REQUIRED.
- RUN 3/4" C; #12 TO MASTER CLOCK, "01" NORTH. ("MCCER"). SEE SITE PLAN. CONNECT FOR CLOCK POWER AND SYNCHRONISM AS REQUIRED.

PHASE 6

EASTERN OREGON CORRECTIONAL INSTITUTION • PHASE 6

PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS

OREGON STATE CORRECTIONS DIVISION

122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
865 THIRTIETH AVENUE EAST, EUGENE, OREGON 97407 / (503) 344-3549

APPROVED
DRAWN
DATE
JOB

2/10/88
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E6

950487

MATCH LINE FOR CONTINUATION
SEE SH. E7

KEY PLAN

DINING AREA
KITCHEN
LAUNDRY
CAPITRA

NORTH

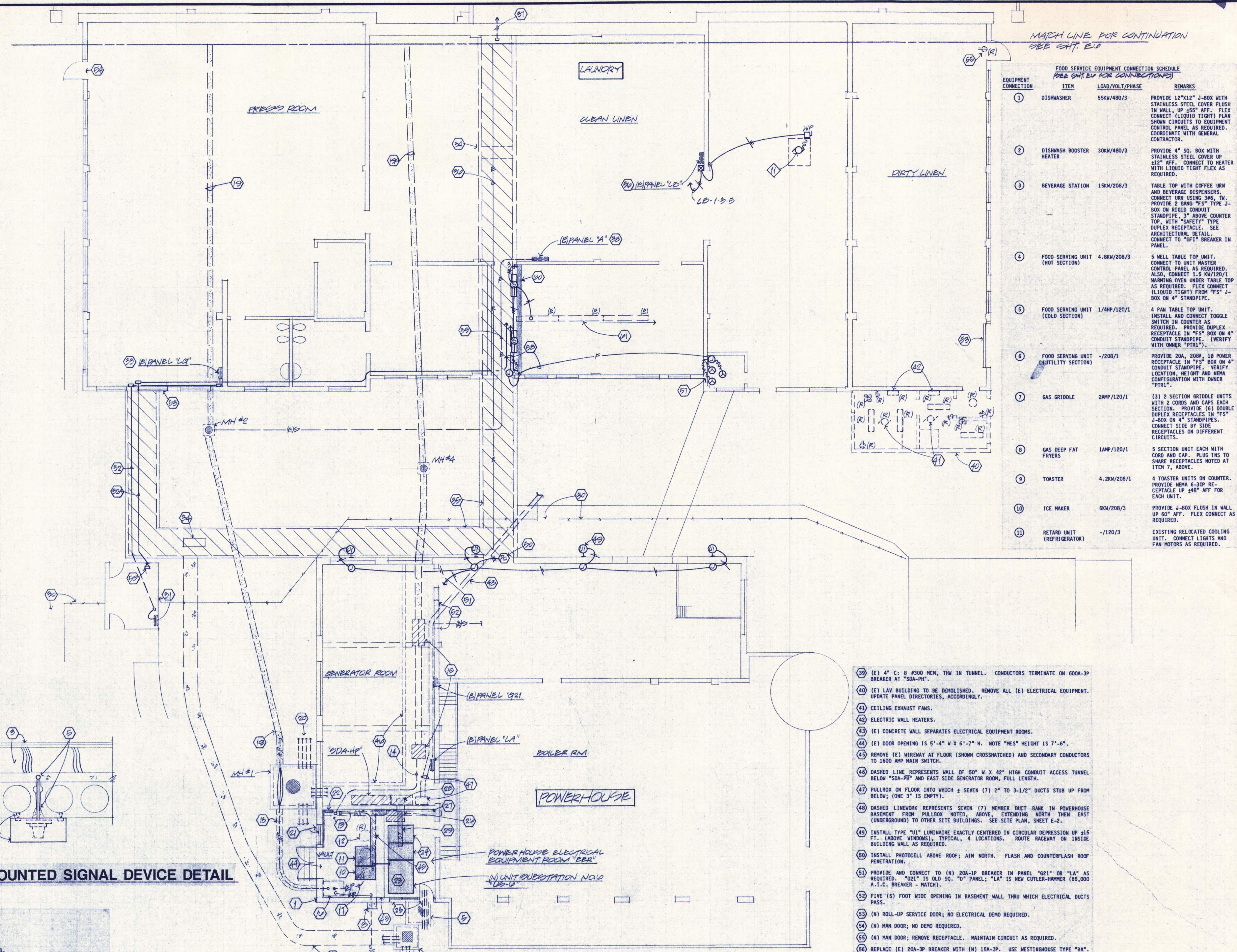
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REGISTERED PROFESSIONAL
ENGINEER
NO. 12,695
JAMES P. KRUMHOLTZ
OREGON
SEP 21, 1984

BALCHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
200 BANCROFT STREET, PORTLAND, OREGON 97201

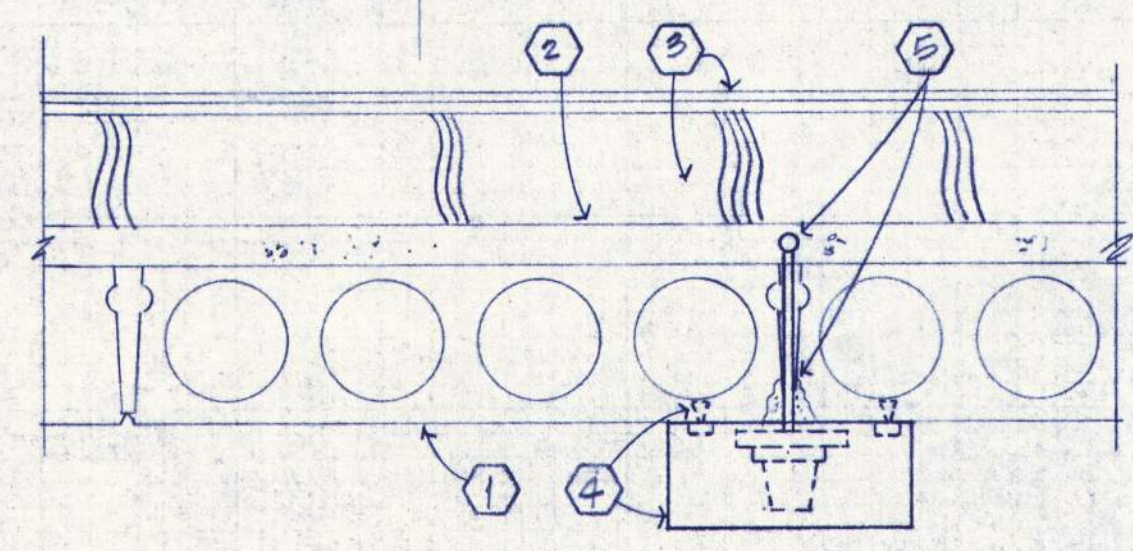
LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
187 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
100 S.W. LAUREL LANE, PORTLAND, OREGON 97209



MATCH LINE FOR CONTINUATION
SEE SHEET E-2

FOOD SERVICE EQUIPMENT CONNECTION SCHEDULE (SEE SHEET E-6 FOR CONNECTIONS)			
EQUIPMENT CONNECTION	ITEM	LOAD/VOLT/PHASE	REMARKS
1	DISHWASHER	55KW/480/3	PROVIDE 12"x12" J-BOX WITH STAINLESS STEEL COVER FLUSH IN WALL UP 48" AFF. FLEX CONNECT (LIQUID TIGHT) PLAN SHOW CIRCUITS TO EQUIPMENT CONTROL PANEL AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
2	DISHWASHER BOOSTER HEATER	30KW/480/3	PROVIDE 4" SD. BOX WITH STAINLESS STEEL COVER UP 48" AFF. CONNECT TO HEATER WITH LIQUID TIGHT FLEX AS REQUIRED.
3	BEVERAGE STATION	15KW/208/3	TABLE TOP WITH COFFEE URN AND BEVERAGE DISPENSERS. CONNECT URN USING 3/8" IN. PROVIDE 2 GANG "FS" TYPE J-BOX ON RIGID CONDUIT STANDPIPE. 3" ABOVE COUNTER TOP, WITH "SAFETY" TYPE DUPLEX RECEPTACLE. SEE ARCHITECTURAL DETAIL. CONNECT TO "GFI" BREAKER IN PANEL.
4	FOOD SERVING UNIT (HOT SECTION)	4.8KW/208/3	5 WELL TABLE TOP UNIT. CONNECT TO UNIT MASTER CONTROL PANEL AS REQUIRED. ALSO, CONNECT 1.5 KW/120/1 WARMING OVER UNDER TABLE TOP AS REQUIRED. FLEX CONNECT (LIQUID TIGHT) FROM "FS" J-BOX ON 4" STANDPIPE.
5	FOOD SERVING UNIT (COLD SECTION)	1.4HP/120/1	4 PAN TABLE TOP UNIT. INSTALL AND CONNECT TOGGLE SWITCH IN COUNTER AS REQUIRED. PROVIDE DUPLEX RECEPTACLE IN "FS" BOX ON 4" CONDUIT STANDPIPE. (VERIFY WITH OWNER "P71").
6	FOOD SERVING UNIT (UTILITY SECTION)	-/208/1	PROVIDE 20A, 200V, 1Ø POWER RECEPTACLE IN "FS" BOX ON 4" CONDUIT STANDPIPE. VERIFY LOCATION, HEIGHT AND WGM CONFIGURATION WITH OWNER "P71".
7	GAS GRIDDLE	2AMP/120/1	(3) 2 SECTION GRIDDLE UNITS WITH 2 CORDS AND CAPS EACH SECTION. PROVIDE (6) DOUBLE DUPLEX RECEPTACLES IN "FS" J-BOX ON 4" STANDPIPES. CONNECT SIDE BY SIDE RECEPTACLES ON DIFFERENT CIRCUITS.
8	GAS DEEP FAT FRYERS	1AMP/120/1	5 SECTION UNIT EACH WITH CORD AND CAP. PLUG INS TO SHARE RECEPTACLES NOTED AT ITEM 7, ABOVE.
9	TOASTER	4.2KW/208/1	4 TOASTER UNITS ON COUNTER. PROVIDE NEMA 6-3ØP RECEPTACLE UP 48" AFF FOR EACH UNIT.
10	ICE MAKER	6KW/208/3	PROVIDE J-BOX FLUSH IN WALL UP 60" AFF. FLEX CONNECT AS REQUIRED.
11	RETARD UNIT (REFRIGERATOR)	-/120/3	EXISTING RELOCATED COOLING UNIT. CONNECT LIGHTS AND FAN MOTORS AS REQUIRED.



DINING CEILING MOUNTED SIGNAL DEVICE DETAIL
NO SCALE

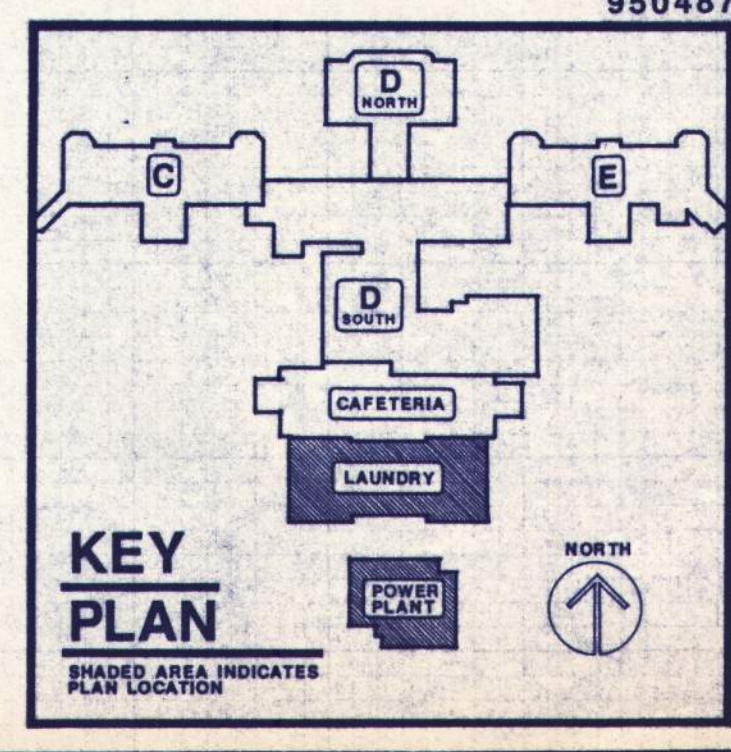
- DINING CEILING MOUNTED DEVICE NOTES**
- (N) CORE SLAB CEILING.
 - (N) 2-1/2" TOPPING SLAB.
 - RIGID INSULATION AND BUILT-UP ROOFING.
 - DETECTOR GUARD OR SPEAKER ENCLOSURE; SEE SHEET E-6 FOR LOCATIONS. USING CONCRETE INSERTS, BOLT INTO SLAB FOUR (4) LOCATIONS.
 - RUN WIRING CONCEALED IN TOPPING SLAB. DRILL SLAB SIDES AS REQUIRED FOR CONDUIT PENETRATION INTO ENCLOSURE.

FLOOR PLAN-(LAUNDRY/POWERHOUSE) ELECTRICAL
1/8"=1'-0"

- LAUNDRY AND POWER HOUSE BUILDING PLAN NOTES**
- ORIGINAL PPL TRANSFORMER VAULT. SEE SITE PLAN, SHEET E-2.
 - SECONDARY PULL BOX NOTED ON SITE PLAN.
 - ENCASED DUCT BANK CONTINUES SOUTH BEYOND PERIMETER FENCE.
 - ENCASED SECONDARY/COMMUNICATIONS DUCT BANK CONTINUES TO UTILITY TUNNEL CORNER.
 - OLD WATER VAULT AT BUILDING WALL.
 - (E) PRIMARY SERVICE PULL BOX.
 - ENCASED DUCT BANK CONTINUES SOUTH TO "PSE". SEE SITE PLAN.
 - PRIMARY DUCT VERTICAL RISER INTO VAULT. PROVIDE (N) 12"x12" CONCRETE ENCASMENT TO CONCEAL SAME.
 - OPEN.
 - (N) METAL ENCLOSED SWITCHGEAR ("MES") BUSSED ENTRANCE MODULE (BAY NO. 1). REMOVE (E) 100 KYA OIL FILLED TRANSFORMER.

- (N) MES SWITCH MODULE (BAY NO. 2). REMOVE (E) 100 KYA TRANSFORMER. CONNECT TO "US-6" THRU WALL.
- REMOVE (E) 167 KYA TRANSFORMER.
- REPLACE (E) CABLES WITH (N) PRIMARY DUCT AND CABLES FROM BAY NO. 1 TO (E) WALL MOUNTED POT HEADS. SEE "OLD".
- (E) PRIMARY SERVICE DUCT SERVING BUILDINGS "E", "F", "G", UNDER ROOM FLOOR.
- (E) COMBINATION (TWO SECTION) PRIMARY/SECONDARY PULL BOX FLUSH IN CONCRETE FLOOR.
- (E) PRIMARY FUSE ENCLOSURE FOR BUILDING "A", "B", "C", "D" FEEDER TO REMAIN.
- RECONNECT (E) PRIMARY CABLES TO (N) BAY NO. 1 AS REQUIRED.
- ENCASED PRIMARY DUCT CONNECTION TO MANHOLE.
- ENCASED PRIMARY DUCT BANK CONTINUES NORTH THRU MANHOLE NO. 2 TO MANHOLE NO. 3. SEE SITE PLAN.
- SAME AS NOTE 19, EXCEPT THRU NO. 4 TO NO. 5.
- (E) UNDERGROUND SECONDARY DUCTS CONTINUE NORTH TO VARIOUS LOCATIONS.
- (E) 4" C. 8 #300 MCM, THW IN TUNNEL. CONDUCTORS TERMINATE ON 600A-3Ø BREAKER AT "SDA-PH".
- (E) LAY BUILDING TO BE DEMOLISHED. REMOVE ALL (E) ELECTRICAL EQUIPMENT. UPDATE PANEL DIRECTORIES, ACCORDINGLY.
- CEILING EXHAUST FANS.
- ELECTRIC WALL HEATERS.
- (E) CONCRETE WALL SEPARATES ELECTRICAL EQUIPMENT ROOMS.
- (E) DOOR OPENING IS 5'-4" W X 6'-7" H. NOTE "MES" HEIGHT IS 7'-6".
- REMOVE (E) WIREWAY AT FLOOR (SHOWN CROSSHATCHED) AND SECONDARY CONDUCTORS TO 1600 AMP MAIN SWITCH.
- DASHED LINE REPRESENTS WALL OF 50" W X 42" HIGH CONDUIT ACCESS TUNNEL BELOW "SDA-PH" AND EAST SIDE GENERATOR ROOM, FULL LENGTH.
- PULLBOX ON FLOOR INTO WHICH SEVEN (7) 2" TO 3-1/2" DUCTS STUB UP FROM BELOW; ONE IS EMPTY.
- DASHED LINEMARK REPRESENTS SEVEN (7) MEMBER DUCT BANK IN POWERHOUSE BASEMENT FROM PULLBOX NOTED ABOVE, EXTENDING NORTH THEN EAST (UNDERGROUND) TO OTHER SITE BUILDINGS. SEE SITE PLAN, SHEET E-2.
- INSTALL TYPE "UI" LUMINAIRE EXACTLY CENTERED IN CIRCULAR DEPRESSION UP ±15 FT. (ABOVE WINDOWS), TYPICAL, 4 LOCATIONS. ROUTE RACEMAY ON INSIDE BUILDING WALL AS REQUIRED.
- INSTALL PHOTOCELL ABOVE ROOF; AIM NORTH. FLASH AND COUNTERFLASH ROOF PENETRATION.
- PROVIDE AND CONNECT TO (N) 20A-1Ø BREAKER IN PANEL "G21" OR "LA" AS REQUIRED. "G21" IS OLD 5Ø, "D" PANEL; "LA" IS NEW CUTLER-HAMMER (65,000 A.T.C. BREAKER - MATCH).
- FIVE (5) FOOT WIDE OPENING IN BASEMENT WALL THRU WHICH ELECTRICAL DUCTS PASS.
- (N) ROLL-UP SERVICE DOOR; NO ELECTRICAL DEMO REQUIRED.
- (N) MAN DOOR; NO DEMO REQUIRED.
- (N) MAN DOOR; REMOVE RECEPTACLE. MAINTAIN CIRCUIT AS REQUIRED.
- REPLACE (E) 20A-3Ø BREAKER WITH (N) 15A-3Ø. USE WESTINGHOUSE TYPE "BA". USE TO FEED NEW HVAC EQUIPMENT.
- (N) LAUNDRY BUILDING FIRE SPRINKLER STANDPIPE. CONNECT FLOW SWITCH AND O.S.T. TAMPER SWITCHES PROVIDED BY MECHANICAL CONTRACTOR.
- RUN 1/2" DUCT WITH FIRE ALARM WIRING AND 3/4" DUCT WITH INTERCOM WIRING ABOVE CEILING THEN DOWN TO (N) 4" X 4" J-BOX IN TUNNEL (MARK "FIRE ALARM AND INTERCOM"). THEN RUN WIRING TO MAIN INTERCOM SWITCH AND FIRE ALARM PANEL; BUILDING "F" VIA (N) DIVING ALARM CONDUITS. CONNECT AS SEPARATE FIRE ALARM ZONE FOR FLOW ALARM AND TAMPER TROUBLE.
- NEW ADMINISTRATIVE TELEPHONE IN GUARD SHACK. VERIFY EXACT TELEPHONE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- (N) WALL, FLOOR TO CEILING. INSTALL TYPE "S" LUMINAIRE UP 19'-0", TYPICAL FOR TWO.
- SHIFT (E) PENDANT HUNG LIGHTS EAST TO ACCOMMODATE (N) WALL.
- WEST VAULT WALL AND AIR VENT; REMOVE (E) VENT GRILLE. PROVIDE (N) 1/2" PLYWOOD, EXTERIOR GRADE, WALL FURRING FROM FLOOR TO 8 FEET AFF. PAINT TWO COATS GREY ENAMEL. MAINTAIN 5'-0" CLEAR FROM PLYWOOD TO FRONT OF "MES".
- PROVIDE (N) SPARE FUSE CABINET AT ROOM CORNER. LEAVE (3) SPARE 50 AMP AND (3) SPARE 80 AMP, TYPE "E", FUSES IN CABINET. MATCH FUSE TYPE AT "MES" AND (E) PRIMARY FUSE ENCLOSURE.
- 750 KYA TRANSFORMER SECTION. INSTALL ON CONCRETE PAD.
- 2500 AMP SECONDARY (LOW VOLT) SECTION. INSTALL ON CONCRETE PAD.
- WINDOW TO BE REMOVED FOR "US-6" ENTRY, THEN FILLED WITH CONCRETE BLOCK AND (N) DOOR. WINDOW SILL IS 48" ABOVE GRADE; WINDOW OPENING IS 27'-6" HIGH.
- REMOVE (E) 1600 AMP SWITCH. SEE INSTALLATION SCHEDULE.
- (E) OVERHEAD BEAM BOTTOM ±10'-0" AFF.
- (E) WIREWAY CONNECTION OVERHEAD TO "SDA-PH", SECTION 1.
- (N) CABLE TRAY CONNECTION TO WIREWAY. SEE "OLD", SHEET E-11, FOR (N) CABLE REQUIREMENTS FOR BACKFEED CONDITION.
- (N) FENCE AND GATE.
- RELOCATED PORTABLE GATEHOUSE. CONNECT (E) LOAD CENTER TO PANEL "LG" IN LAUNDRY BUILDING.
- RUN 1" C. 3Ø, CU INTO AND ALONG TUNNEL WALL AT CEILING. STUB UP THRU FLOOR, THENCE TO PANEL USING "LB" BODIES.
- RUN 3/4" C. WITH 2 #20 AWG TWISTED SHIELDED PAIR INTO AND ALONG TUNNEL WALL AT CEILING. STUB UP THRU FLOOR THENCE OVERHEAD AT CEILING USING "LB" BODIES.
- PROVIDE AND CONNECT TO (N) 40A-2Ø BREAKER AS REQUIRED. LABEL DIRECTORY. PANEL IS "SQUARE D".
- ACCESS LID INTO TUNNEL.
- CROSSHATCHED AREA REPRESENTS LOCATION OF UNDERGROUND UTILITY TUNNEL.
- (E) 3" DUCT ON TUNNEL FLOOR SERVES KITCHEN OVEN PANEL "DISP". DISCONNECT CONDUCTORS AT "SDA-PH". PROVIDE (N) NAMEPLATE AT 600A-3Ø BREAKER TO READ "SPARE". STENCIL MARK DUCT TOP AT ACCESS LID "SPARE TO KITCHEN".
- PROVIDE (4) 4" AND (2) 2-1/2" SPARE DUCTS TO KITCHEN. USE PVC SUPPORTED ±2" ABOVE FLOOR. SEE SHEET E-6 FOR TERMINATION OTHER END. CAP ENDS.
- MAIN POWER PANEL FOR LAUNDRY.

- (E) 4" C. 8 #300 MCM, THW IN TUNNEL. CONDUCTORS TERMINATE ON 600A-3Ø BREAKER AT "SDA-PH".
- (E) LAY BUILDING TO BE DEMOLISHED. REMOVE ALL (E) ELECTRICAL EQUIPMENT. UPDATE PANEL DIRECTORIES, ACCORDINGLY.
- CEILING EXHAUST FANS.
- ELECTRIC WALL HEATERS.
- (E) CONCRETE WALL SEPARATES ELECTRICAL EQUIPMENT ROOMS.
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- INSTALL PHOTOCELL ABOVE ROOF; AIM NORTH. FLASH AND COUNTERFLASH ROOF PENETRATION.
- PROVIDE AND CONNECT TO (N) 20A-1Ø BREAKER IN PANEL "G21" OR "LA" AS REQUIRED. "G21" IS OLD 5Ø, "D" PANEL; "LA" IS NEW CUTLER-HAMMER (65,000 A.T.C. BREAKER - MATCH).
- FIVE (5) FOOT WIDE OPENING IN BASEMENT WALL THRU WHICH ELECTRICAL DUCTS PASS.
- (N) ROLL-UP SERVICE DOOR; NO ELECTRICAL DEMO REQUIRED.
- (N) MAN DOOR; NO DEMO REQUIRED.
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- RUN 1/2" DUCT WITH FIRE ALARM WIRING AND 3/4" DUCT WITH INTERCOM WIRING ABOVE CEILING THEN DOWN TO (N) 4" X 4" J-BOX IN TUNNEL (MARK "FIRE ALARM AND INTERCOM"). THEN RUN WIRING TO MAIN INTERCOM SWITCH AND FIRE ALARM PANEL; BUILDING "F" VIA (N) DIVING ALARM CONDUITS. CONNECT AS SEPARATE FIRE ALARM ZONE FOR FLOW ALARM AND TAMPER TROUBLE.
- NEW ADMINISTRATIVE TELEPHONE IN GUARD SHACK. VERIFY EXACT TELEPHONE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- (N) WALL, FLOOR TO CEILING. INSTALL TYPE "S" LUMINAIRE UP 19'-0", TYPICAL FOR TWO.
- SHIFT (E) PENDANT HUNG LIGHTS EAST TO ACCOMMODATE (N) WALL.



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
1400 N. CENTRAL STREET, PORTLAND, OREGON 97201

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
1800 N. W. CENTRAL STREET, PORTLAND, OREGON 97201

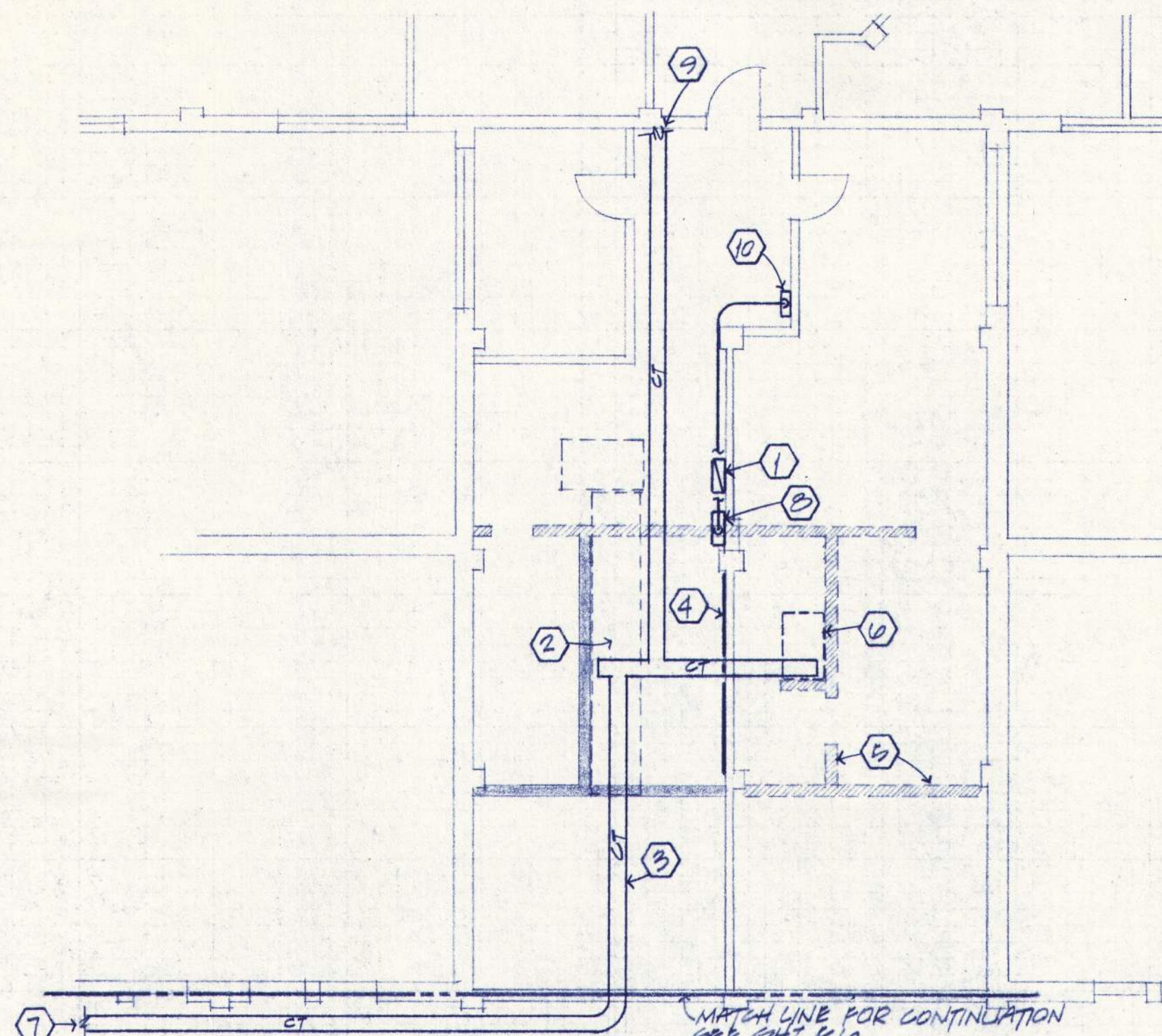
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OREGON STATE CORRECTIONS DIVISION
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
1205 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 223-1181
865 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 / (503) 944-3249

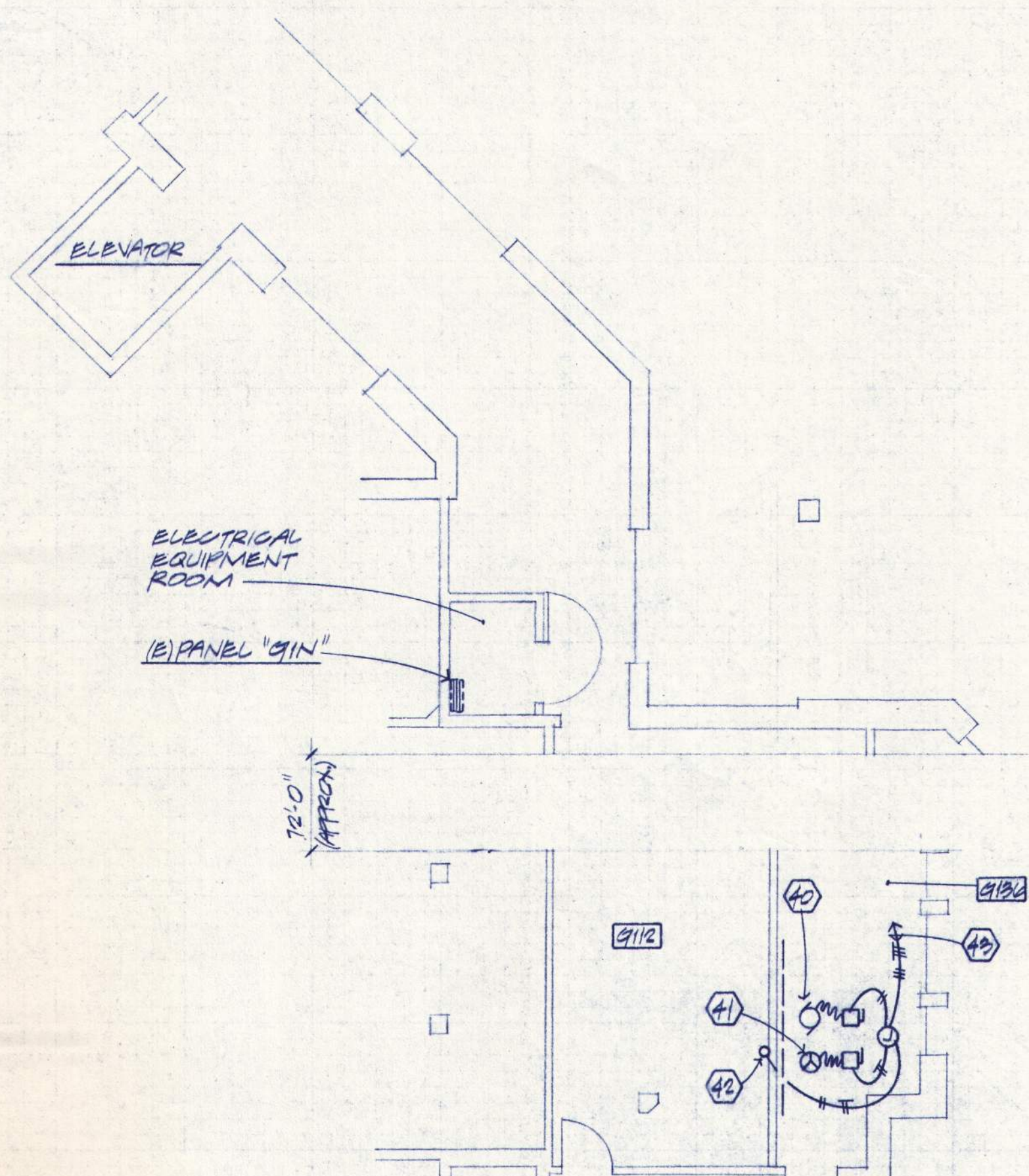
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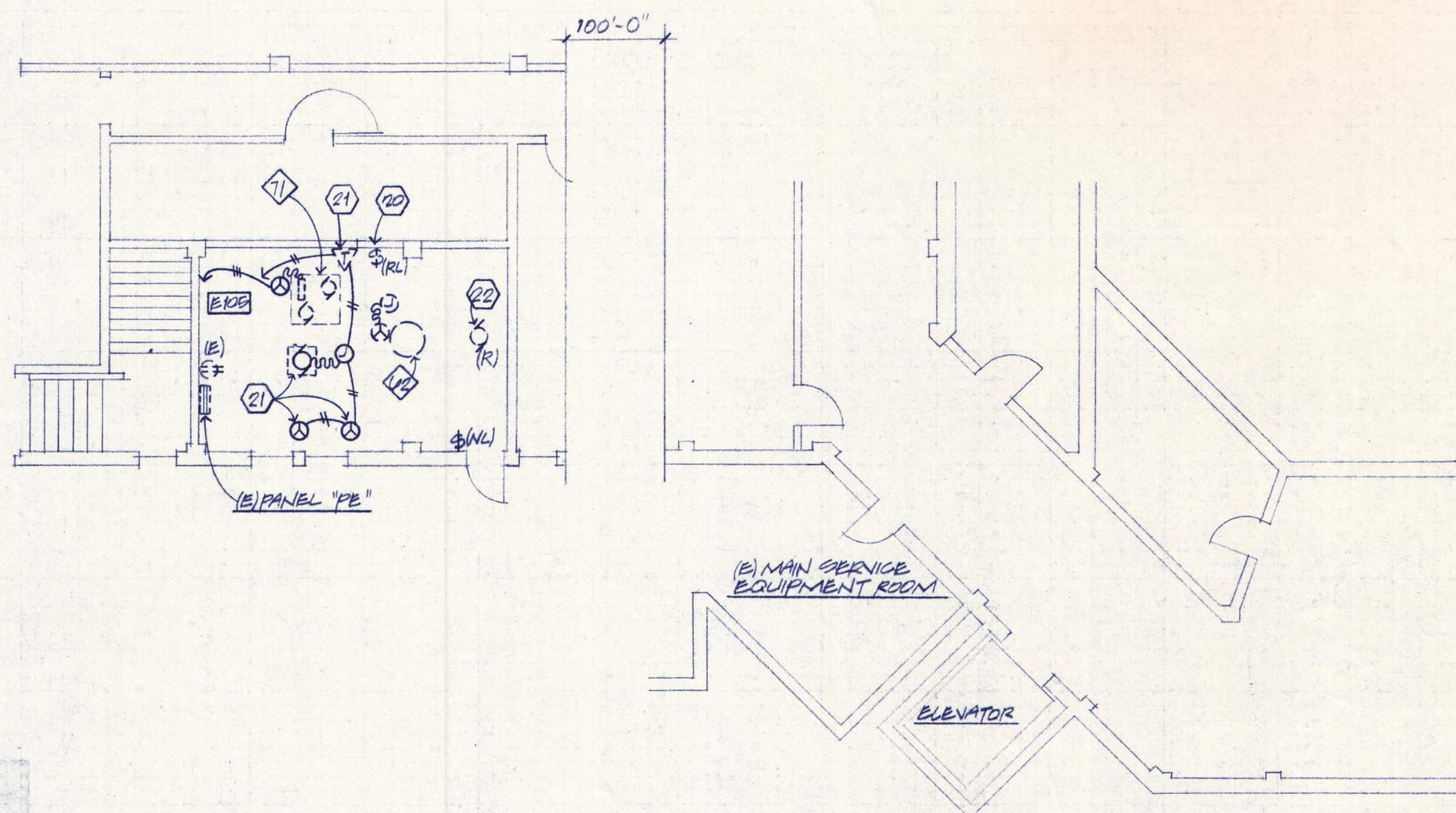


DI PARTIAL FLOOR PLAN-ELECTRICAL
18'-10"

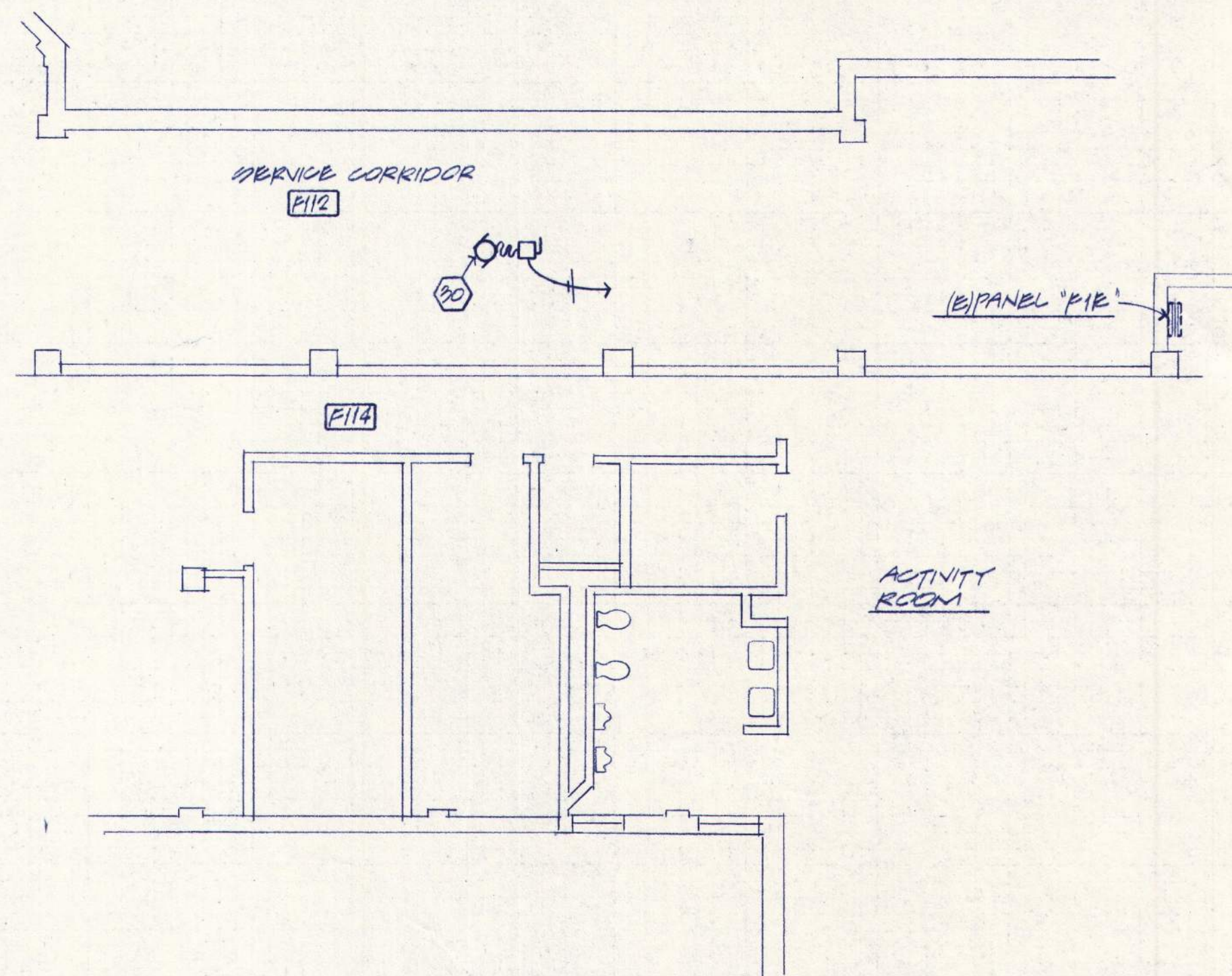


GI PARTIAL FLOOR PLAN-ELECTRICAL
18'-10"

MECHANICAL EQUIPMENT CONNECTION SCHEDULE						
BUILDING "D" AND MISCELLANEOUS AREAS						
CONNECTION NUMBER	DESCRIPTION	LOCATION	LOAD/VOLT/PHASE	CONDUIT/WIRE	DISCONNECT/FUSE/STARTER	REMARKS
(AIR CONDITIONING UNITS)						
1	ACU-10	DINING (ROOF)	162FLA/480/3	2-1/2" TC; 3 #250 NCM, TH, AL	400A-3P/ 225AF/-	GAS HEAT, ELECTRIC COOL ROOF TOP UNIT. SEE SITE PLAN, SHEET E-2. PROVIDE (2) LOW CONTROL CIRCUITS, ONE FROM PNL "G10M" FOR BASIC SYSTEM CONTROL, ANOTHER FROM PNL "G10LM" FOR COMPRESSOR DROP OUT CONTROL UPON LOSS OF NORMAL POWER. CONNECT TO UNIT INSTALLED RELAY PROVIDED BY MECHANICAL CONTRACTOR. VERIFY AND TEST THE DROP-OUT SYSTEM FOR PROPER OPERATION. SEE PANEL SCHEDULES.
2	ACU-20	DINING (ROOF)	144FLA/480/3	2" TC; 3 #3/0 TH, AL	200A-3P/ 200AF/-	SAME AS FOR AC-1.
3	ACU-30	DINING (ELECT. RM.)	1/2HP/208/1	1/2" TC; 2 #12		CEILING HUNG UNIT; C.A.R.
(MAKE UP AIR UNITS)						
4	MAU-10	DINING (ROOF)	1-1/2HP/480/3	1/2" TC; 3 #12	30A-3P/-/100"	ROOF TOP UNIT. SEE SITE PLAN, SHEET E-2. CONTROL FROM "MCC", ROOM BELOW.
5	MAU-20	DINING (ROOF)	1-1/2HP/480/3	1/2" TC; 3 #12	30A-3P/-/100"	SAME AS FOR MAU-1.
(EXHAUST FANS)						
6	EF-10	DINING (ROOF)	7-1/2HP/480/3	1/2" TC; 3 #12	30A-3P/-/1"	ROOF TOP UNIT FOR FOOD PREP EXHAUST HOOD. SEE SHEET E-2. PROVIDE COMBINATION STARTER DISCONNECT. CONTROL FROM HOOD CONTROL CABINET ("MCC"), BELOW. C.A.R.
7	EF-20	DINING (WEST DISHMASS)	1/3HP/120/1	1/2" TC; 2 #12	20A-1P/-/-	CONTROL VIA SWITCH WITH PILOT LIGHT AND RELAY. INSTALL RELAY (LOAD HOLDING COIL) IN FLUSH WALL BOX. HOME RUN BRANCH CIRCUIT THRU REMOTE CONTROL PANEL ("RTURPC"). SEE SHEET E-6. MARK CIRCUIT NUMBER.
8	EF-30	DINING (EAST DISHMASS)				NO CONTROL (24 HR. "DN").
9	EF-40	DINING (LAV)	1/20HP/120/1			ON TOP OF "EER" CEILING; REPLACES (E) FAN UNIT. CONTROL VIA REVERSE ACTING THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE (N) 30A-1P BREAKER IN PANEL.
10	EF-50	KITCHEN (LAV)				
11	EF-60	CHILLER ROOM	3/4HP/120/1		30A-1P/-/-	
12	EF-1L	LAUNDRY BLDG.	1HP/208/3	1/2" TC; 3 #12	30A-3P/-/-	ROOF TOP UNIT. PROVIDE MANUAL STARTER (50 "D" NO. M86-2). RUN WIRING OVERHEAD IN CEILING SPACE.
(UNIT HEATERS)						
13	UH-10	DINING (FOOD PREP)	3.3KW/480/3	1/2" TC; 3 #12	-/-/-	DISCONNECT SWITCH BUILT INTO UNIT.
14	UH-20	DINING (WEST DISHMASS)				
15	UH-30	DINING (EAST DISHMASS)	3.3KW/480/3	1/2" TC; 3 #12	-/-/-	SAME AS UH-10.
(WALL HEATERS)						
16	EH-10	DINING (WEST ENTRY)	4KW/277/1	1/2" TC; 2 #10	-/-/-	HEATER BUILT INTO OVERHEAD CONCRETE BEAM. SEE ARCHITECTURAL DETAIL C.A.R.
17	EH-20	DINING (EAST ENTRY)				
18	EH-30	DINING (EAST ENTRY)				
19	EH-40	DINING (EAST ENTRY)				
20	ECH-10	DINING (CORRIDOR)	3.75KW/480/3	1/2" TC; 3 #12		HEATER RECESSED INTO (N) DROPPED CEILING. C.A.R.
(DISPOSALS)						
21	DU-1	DINING (DISHMASS)	7.5HP/480/3	1/2" TC; 3 #12	-/-/-	INSTALL OPERATOR CONTROL PANEL PROVIDED BY MECHANICAL CONTRACTOR ON WALL ABOVE COUNTER. CONNECT DISPOSAL MOTOR AND SOLENOID VALVE (UNDER COUNTER) AS REQUIRED.
(PUMPS)						
22	CP-10	CHILLER ROOM	1/6HP/120/1	1/2" TC; 2 #12	20A-1P/-/-	IN-LINE CIRCULATING PUMP FOR (N) HOT WATER HEATER; C.A.R. PROVIDE 30A-1P BREAKER IN PANEL.
23	CP-20	CHILLER ROOM	1/6HP/120/1	1/2" TC; 2 #12	20A-1P/-/-	SAME AS ITEM 20, ABOVE.
24	SP-10	DINING CORRIDOR	1/4HP/120/1	1/2" TC; 2 #12	20A-1P/-/-	SUMP PUMP BELOW FLOOR. PROVIDE DUPLEX OUTLET UP 24" AFF FOR SAME.
(HOT WATER HEATERS)						
25	WH-10	BLDG. "D" (CHILLER ROOM)	1/12HP/120/1	1/2" TC; 2 #12	20A-1P/-/-	STEAM WATER HEATER. PROVIDE CONTROL AND MOTOR CIRCUIT. C.A.R. PROVIDE 20A-1P BREAKER IN PANEL.
26	WH-20	BLDG. "D" (CHILLER ROOM)				
27	WH-1E	BLDG. "E", 1ST FL. (MECHANICAL ROOM)				STEAM WATER HEATER. DISCONNECT (E) HOT WATER HEATER CONTROL CIRCUIT. RECONNECT SAME TO (N) HEATER AS REQUIRED.
(CONDENSATE RETURN UNITS)						
28	CRU-10	BLDG. "D" (CHILLER ROOM)	(2) 1HP/208/3	1/2" TC; 3 #12	30A-3P/-/-	FLOOR MOUNTED UNIT WITH STARTERS FURNISHED. CONNECT CONTROL PANEL AS REQUIRED. PROVIDE 15A-3P BREAKER IN PANEL.
29	CRU-1E	BLDG. "E" (MECHANICAL ROOM)				SAME AS ITEM 20, ABOVE. EXCEPT CONNECT TO (E) 20A-3P SPARE BREAKER IN PANEL.
(CONDENSING UNITS)						
30	CU-10		38FLA/208/3	3/4" TC; 3 #10	30A-3P/-/1"	ROOF TOP UNIT SERVING FOOD PREP REACH-IN "RETIARD" UNIT. C.A.R.
31	CU-20		33FLA/208/1	3/4" TC; 2 #8	30A-3P/40AF/-	GROUND MOUNTED UNIT SERVING DINING ELECTRICAL ROOM. C.A.R.



EI PARTIAL FLOOR PLAN-ELECTRICAL
18'-10"



FI PARTIAL FLOOR PLAN-ELECTRICAL
18'-10"

- PARTIAL FLOOR PLAN NOTES**
- NEW RAU/LAND TELECENTER 4 CENTRAL EQUIPMENT BEING INSTALLED UNDER A SEPARATE CONTRACT. SEE DRAWING E-12 AND SPECIFICATIONS FOR ADDITIONAL WORK UNDER THIS CONTRACT.
 - EXISTING PROGRAMMABLE CONTROLLER ENCLOSURE. SEE DOOR CONTROL RISER. DRAWING E-12 FOR WORK AT THE PC ENCLOSURE.
 - CABLE TRAY EXTENSION BEING INSTALLED UNDER A SEPARATE CONTRACT. USE NEW AND EXISTING CABLE TRAY FOR NEW INTERCOM AND DOOR CONTROL WIRING.
 - EXISTING COMMUNICATION SYSTEM TERMINAL BOAD ("CTB"). ADD TERMINAL BLOCKS AS INDICATED IN COMMUNICATION RISER AND SPECIFICATIONS.
 - OUTLINE OF CENTRAL CONTROL ROOM ("CCR") ON FLOOR D2 ABOVE.
 - OUTLINE OF DOOR CONTROL PANEL #2 IN "CCR" ABOVE. SEE PANEL DETAIL SHEET E-12.
 - CABLE TRAY CONTINUES TO EAST END OF 'C' BUILDING. SEE DRAWING E-4 FOR TERMINATION OF CABLE TRAY RUN.
 - FIRE ALARM PANEL FAP-01 BEING INSTALLED UNDER A SEPARATE CONTRACT. SEE DRAWING E-12 AND SPECIFICATIONS FOR ADDITIONAL WORK UNDER THIS CONTRACT. NEW DINING HALL FIRE ALARM EQUIPMENT WILL BE SUPERVISED BY THIS PANEL.
 - CABLE TRAY CONTINUES 55 FEET NORTH TO THE MAIN TELEPHONE EQUIPMENT ROOM. USE THIS CABLE TRAY FOR NEW TELEPHONE CABLES.
 - FAN CONTROL SYSTEM PROGRAMMABLE CONTROLLER BEING INSTALLED UNDER A SEPARATE CONTRACT. SEE DRAWING E-12 FOR NEW CONDUIT AND WIRE CONNECTIONS TO FIRE ALARM PANEL.
 - (OPEN).
 - RELOCATE (E) LIGHT SWITCH TO OUTSIDE DOOR.
 - MECHANICAL CONTRACTOR TO RELOCATE AN EXHAUST FAN AND THERMOSTAT FROM THE CHILLER ROOM. CONNECT TO (E) ROOM RECEPTACLE CIRCUIT THRU THE REVERSE ACTING THERMOSTAT SO THAT FAN ACTIVATES UPON TEMPERATURE RISE. CONNECT (2) NEW DAMPER MOTORS IN RELATED AIR DUCTS TO OPEN AT SAME TIME.
 - DISCONNECT (E) CIRC. PUMP TO BE RELOCATED TO BUILDING "F" BY MECHANICAL CONTRACTOR. SEE PARTIAL PLAN.
 - (OPEN).
 - CONNECT RELOCATED IN-LINE CIRC. PUMP (CP-2) NEAR CEILING. PROVIDE (N) 20A-1P BREAKER IN PANEL; UPDATE PANEL DIRECTORY.
 - (OPEN).
 - (N) CIRC. PUMP: 1/3 HP, 120 V, 1 Ø IN LINE UNIT; C.A.R.
 - (N) BOOSTER HEATER: 2.3 KW, 120 V, 1 Ø; C.A.R.
 - UP TO ROOM 6236, ABOVE. RUN WIRING ABOVE ACCESSIBLE CEILING, ROOM G12.
 - TO PANEL "G1M". PROVIDE AND CONNECT TO (2) 15A-1P BREAKERS FOR CIRC. PUMPS AND (2) 30A-1P BREAKERS FOR HEATERS. UPDATE PANEL DIRECTORY.
 - (OPEN).
 - WIRING CONTINUES DOWN TO ROOM G12, BELOW, SEE PLAN, LEFT.
 - SAME AS NOTE 40, PLAN LEFT.
 - SAME AS NOTE 41, PLAN LEFT.

G2 PARTIAL FLOOR PLAN-ELECTRICAL
18'-10"



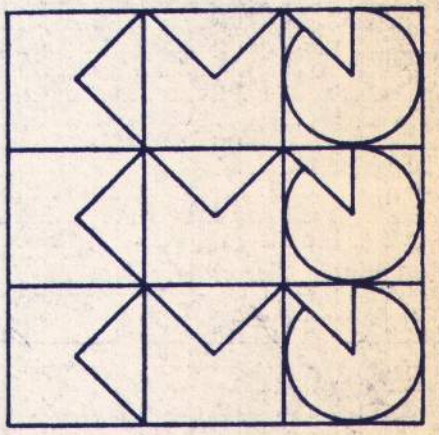
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
940 MARBLE STREET TUGUEN, OREGON 97140

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
898 E.W. LAUREL LANE PORTLAND, OREGON 97202

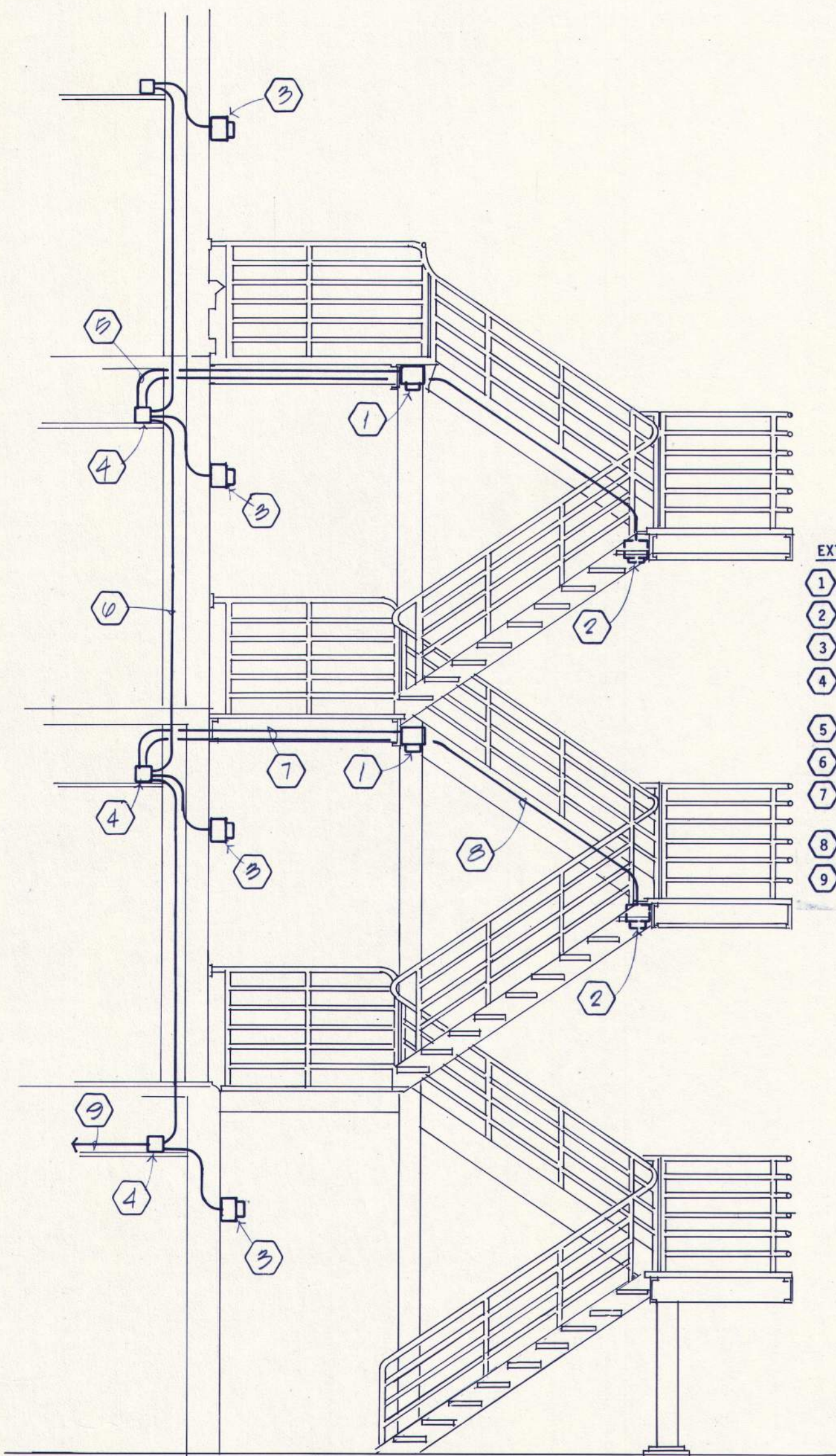
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WEGROUP pc / ARCHITECTS & PLANNERS
122 S.W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 224-1181
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249



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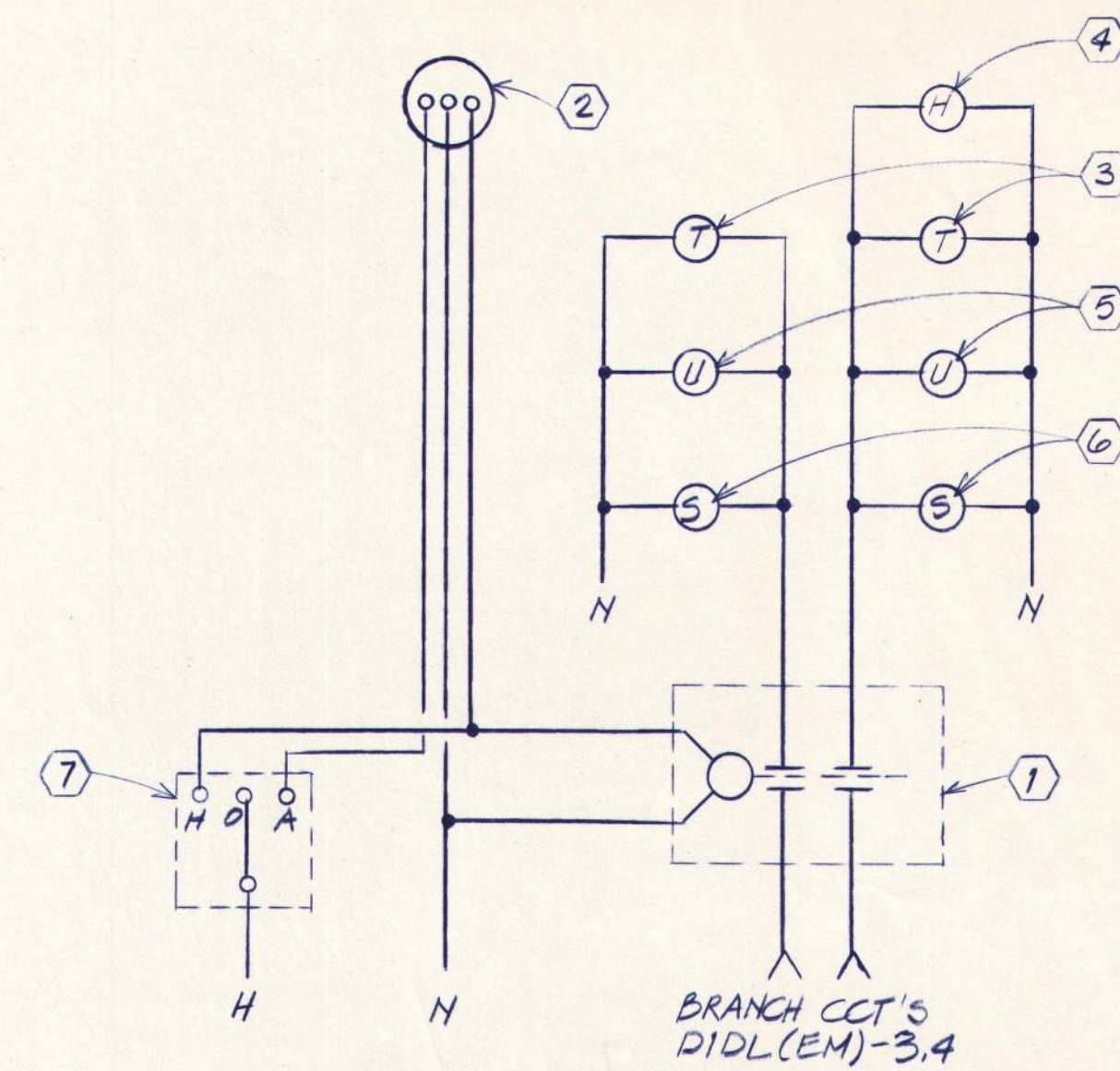
EXTERIOR STAIR DETAIL - NOTES

- 1 (N) TYPE "H" LUMINAIRE. BOLT TO LANDING FRAMING CHANNEL, 3 LOCATIONS.
- 2 SAME AS NOTE 1; LUMINAIRE ON OPPOSITE SIDE OF STAIR RISER.
- 3 SAME AS NOTE 1; INSTALL UP ±10'-0" ABOVE LANDING.
- 4 INSTALL J-BOX FLUSH IN LOWERED CEILING JUST INSIDE OF DOORS, TYPICAL WHERE SHOWN.
- 5 BRANCH CIRCUIT SYSTEM. USE EMT INSIDE BUILDING; "GRS" OUTSIDE BUILDING.
- 6 ROUTE INSIDE WALL TO CONCEAL WIRING, TYPICAL. SEE FLOOR PLANS.
- 7 SECURE RACEWAY TO "C" CHANNELS. DRILL CHANNEL TO CONNECT THRU SIDE OF LUMINAIRE.
- 8 SECURELY BOLT RACEWAY TO RISER FRAMING MEMBER, 3 LOCATIONS, MINIMUM.
- 9 HOMERUN TO RESPECTIVE PANEL. SEE FIRST FLOOR PLANS.

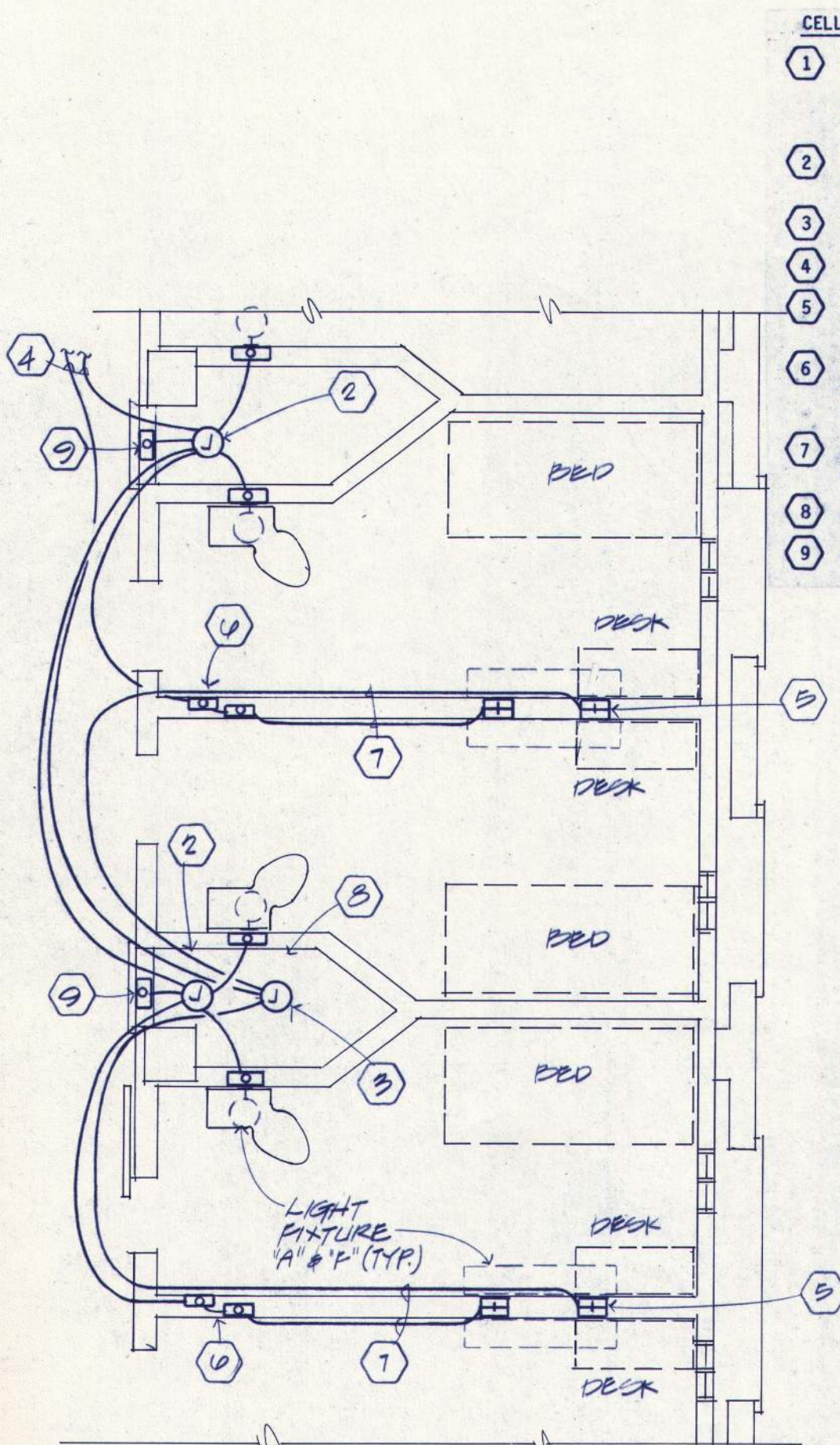
EXTERIOR STAIR LIGHTING DETAIL

NOTES - DINING LIGHTING CONTROL DIAGRAM

- 1 2 POLE, 20 AMP, 240 V CONTACTOR IN NEMA 1 ENCLOSURE WITH 120 V HOLDING COIL. INSTALL IN DINING HALL ELECTRICAL CLOSET. LABEL "DINING HALL SECURITY LIGHTING".
- 2 BUILDING MOUNTED PHOTOCELL.
- 3 WALL MOUNTED VESTIBULE FIXTURES, (3) EACH CIRCUIT.
- 4 WALL MOUNTED FLUORESCENT, (1) ON EAST EXTERIOR WALL.
- 5 WALL MOUNTED SECURITY FIXTURE, (3) EACH CIRCUIT.
- 6 WALL MOUNTED FLUORESCENT IN SKYLIGHT, (12) EACH CIRCUIT.
- 7 HAND-OFF-AUTO SWITCH WALL MOUNTED IN ELECTRICAL CLOSET. LABEL "DINING HALL SECURITY LIGHTING".



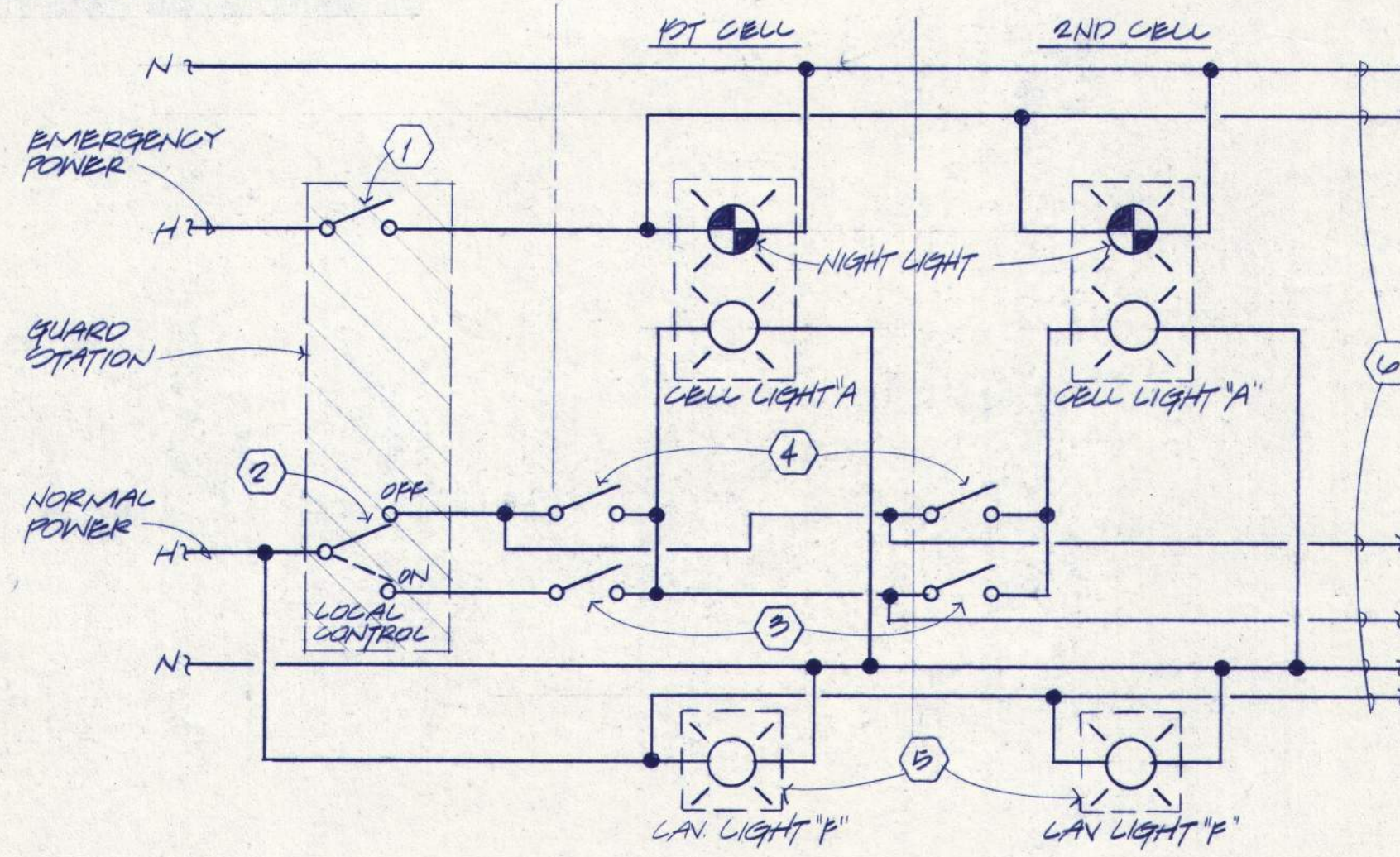
INTERIOR/EXTERIOR BLDG. SECURITY LIGHTING CONTROL DIAGRAM - DINING HALL



CELL LIGHTING WIRING METHOD NOTES

- 1 EXCEPT FOR THE 4TH FLOOR, BUILDINGS A AND B, CELL CEILINGS WILL BE EXPOSED (EXISTING) CONCRETE. AT THE 4TH FLOOR A LAYER OF INSULATION AND FINISH MATERIAL WILL BE APPLIED. DO NOT RUN CONDUIT SURFACE ON THESE CEILINGS. ALL CELL WIRING WILL BE CONCEALED IN (N) WALLS.
- 2 INSTALL J-BOX FOR NORMAL LIGHTING CIRCUITS AT CONVENIENT LOCATION IN MECHANICAL CHASE; COORDINATE WITH MECHANICAL CONTRACTOR.
- 3 SAME AS FOR NOTE 2, EXCEPT FOR EMERGENCY LIGHTING CIRCUITS.
- 4 CONTINUE WIRING TO NEXT CELL CHASE.
- 5 J-BOXES IN WALL AT CEILING FOR NORMAL CELL LIGHT AND NITE LITE (EMERGENCY). BACK-TO-BACK BOXES (NOT THRU-THE-WALL TYPE) ALLOWED HERE.
- 6 CELL LIGHT SWITCH (NORMAL) MASONRY TYPE J-BOXES. OFFSET 6" MINIMUM. FILL CHASE NIPPLE WITH MASTIC AFTER WIRES INSTALLED. 2 GANG BOX WITH CENTER DIVIDER AND CELL CALL SWITCH IN OTHER SECTION.
- 7 RUN RACEWAY FROM CORRIDOR CEILING TO SWITCHES, THEN TO LUMINAIRE IN MASONRY WALL.
- 8 J-BOX FOR LAV LIGHT ABOVE MIRROR, TYPICAL; C.A.R.
- 9 J-BOX ABOVE CHASE DOOR FOR CEILING MOUNTED LIGHT CONTROL OVERRIDE.

CELL LIGHTING WIRING METHOD-TYPICAL



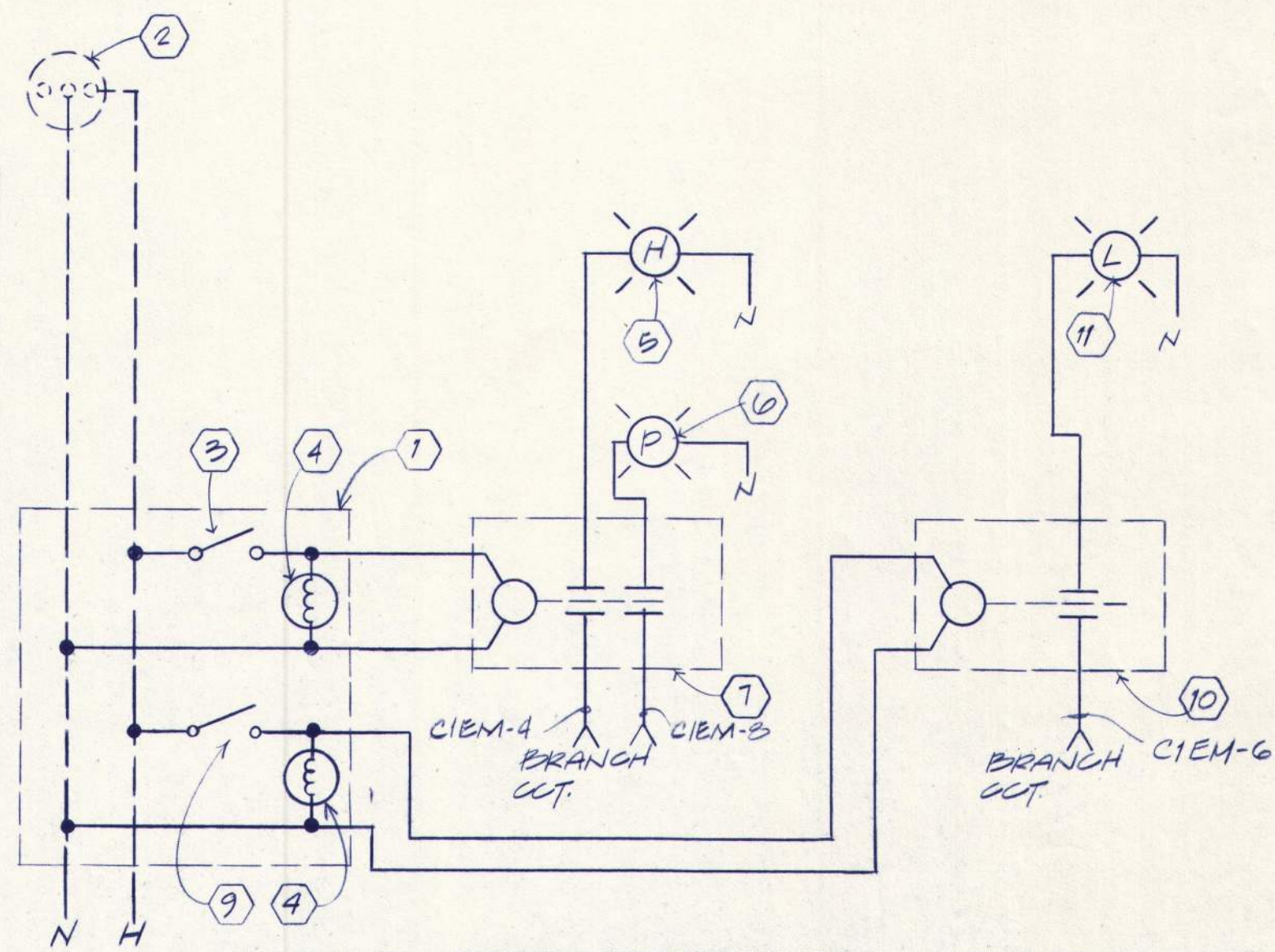
CELL LIGHTING CONTROL DIAGRAM

CELL WIRING LIGHTING CONTROL NOTES

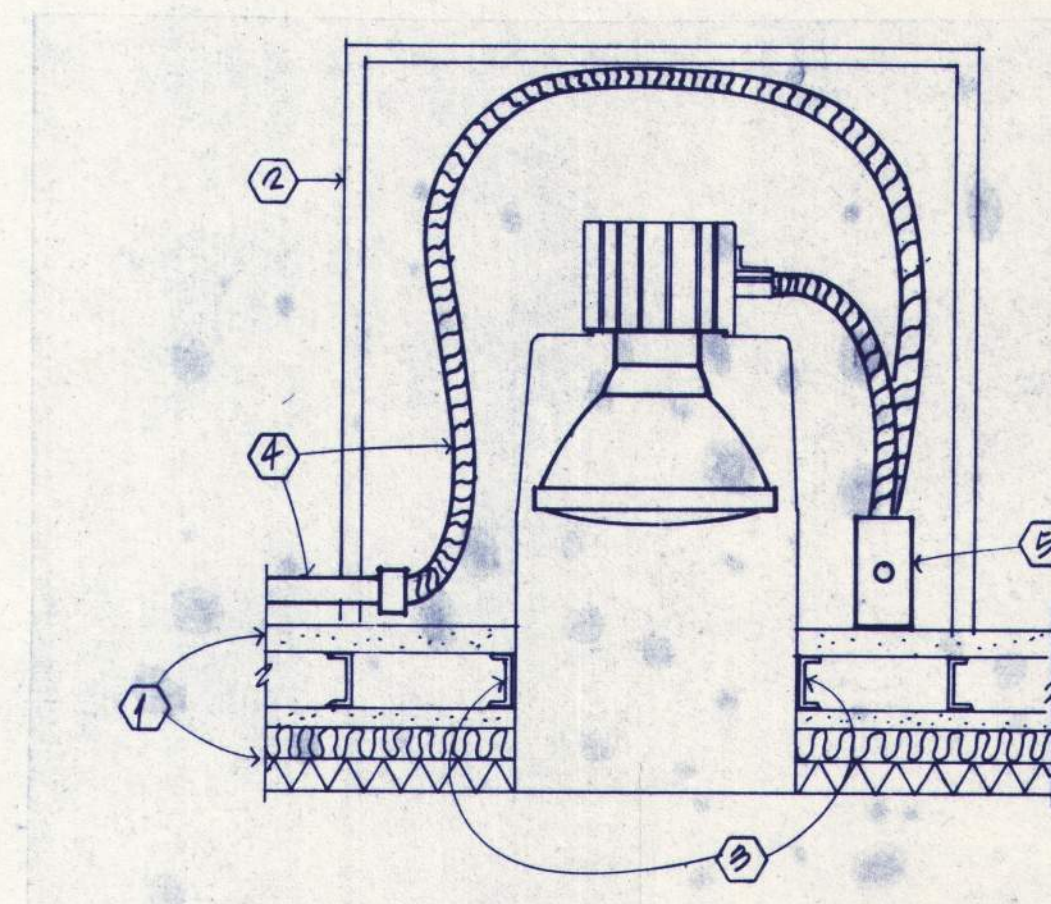
- 1 SINGLE POLE SWITCH IN TIER LIGHT CONTROL PANEL ("TLCP").
- 2 DOUBLE THROW SWITCH IN SAME PANEL.
- 3 LOCAL SWITCH IN CELL.
- 4 OVERRIDE SWITCH IN CORRIDOR ABOVE CHASE DOOR.
- 5 LAV LIGHT HAS BUILT-IN SWITCH.
- 6 CONTINUATION TO DOWN STREAM CELLS.

EXTERIOR STAIR CONTROL DIAGRAM NOTES

- 1 (E) EXTERIOR SECURITY LIGHTING CONTROL PANEL AT CENTRAL CONTROL ROOM.
- 2 (E) PHOTOCELL SERVING AUTOMATIC SYSTEM.
- 3 (E) SWITCH IN PANEL FOR MANUAL CONTROL ALL BUILDING EXTERIOR STAIRS.
- 4 (E) PILOT LIGHT ABOVE SWITCH.
- 5 OUTSIDE STAIR LUMINAIRE, TYPICAL OF 8, U.O.N.
- 6 INSIDE STAIR LUMINAIRE, TYPICAL OF 7, U.O.N.
- 7 2 POLE, 20 AMP, 240 VOLT CONTACTOR IN NEMA 1 ENCLOSURE WITH 277 VOLT HOLDING COIL. INSTALL IN BUILDING ELECTRICAL ROOMS AT FIRST FLOOR. LABEL "EXTERIOR/INTERIOR STAIR LIGHTS".
- 8 SAME AS NOTE 7, EXCEPT INSTALL IN GENERATOR ROOM. LABEL "BUILDING "C" EAST INTERIOR STAIR LIGHTS".
- 9 (E) SINGLE POLE SWITCH IN PANEL FOR MANUAL CONTROL OF ALL BUILDING EXTERIOR LIGHTS.
- 10 SAME AS NOTE #7, EXCEPT LABEL "WALL SECURITY LIGHT".
- 11 BUILDING WALL MOUNTED LUMINAIRE, TYPICAL OF ONE.



EXTERIOR/INTERIOR STAIR LIGHTING CONTROL DIAGRAM



TYPE "R" LUMINAIRE MOUNTING DETAIL

NO SCALE

TYPE "R" LUMINAIRE MOUNTING NOTES

- 1 HOUSING GUARD STATION AND CORRIDOR CEILINGS CONSIST OF UPPER AND LOWER GYP BOARD MATERIAL SEPARATED WITH "C" CHANNELS, AND APPLIED INSULATION/TECTUM FINISH SURFACE. TOTAL THICKNESS ±5-1/4".
- 2 FIREPROOF "HAT" PROVIDED BY GENERAL CONTRACTOR.
- 3 TYPE "R" LUMINAIRE. INSTALL HOUSING THRU CEILING CUT OUTS SO THAT FIXTURE IS FIRMLY HELD TO CEILING MATERIAL BY MOUNTING RETAINER RING. REMOVE MOUNTING ADJUSTABLE BRACKETS. PROVIDE EXTRA CEILING "C" CHANNEL EACH SIDE OF FIXTURE HOUSING. SCREEN RING MOUNTING TABS INTO CHANNEL, TWO LOCATIONS.
- 4 PROVIDE SUFFICIENT LENGTH FLEX CONDUIT TO J-BOX TO ALLOW BOX REMOVAL THRU FIXTURE OPENING.
- 5 LUMINAIRE J-BOX. PLACE INSIDE "HAT" TO ALLOW EASY REMOVAL THRU FIXTURE OPENING.



BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
400 BARNETT STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECT
1837 OAK STREET, EUGENE, OREGON 97401

FRANK HONEY
STRUCTURAL ENGINEER
1836 S. W. LAUREL LANE, PORTLAND, OREGON 97225

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
PENDLETON, OREGON

WEGROUP pc / ARCHITECTS & PLANNERS
OREGON STATE CORRECTIONS DIVISION

122 S. W. THIRD AVENUE / PORTLAND, OREGON 97204 / (503) 223-1181
863 THIRTEENTH AVENUE EAST / EUGENE, OREGON 97401 / (503) 344-3249

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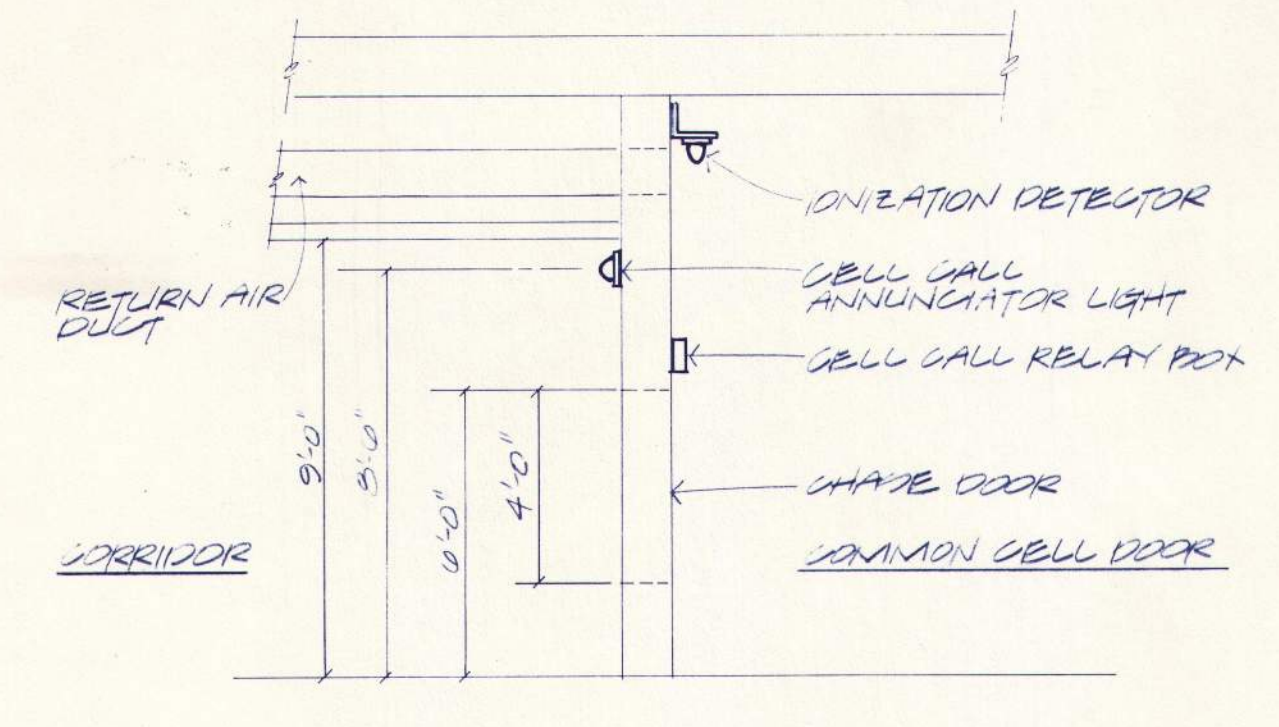
BALZHISER, HUBBARD ASSOCIATES
MECHANICAL & ELECTRICAL ENGINEERS
850 MARNEY STREET, EUGENE, OREGON 97401

LLOYD BOND & ASSOCIATES
LANDSCAPE ARCHITECTS
107 1/2 AVENUE, PORTLAND, OREGON 97201

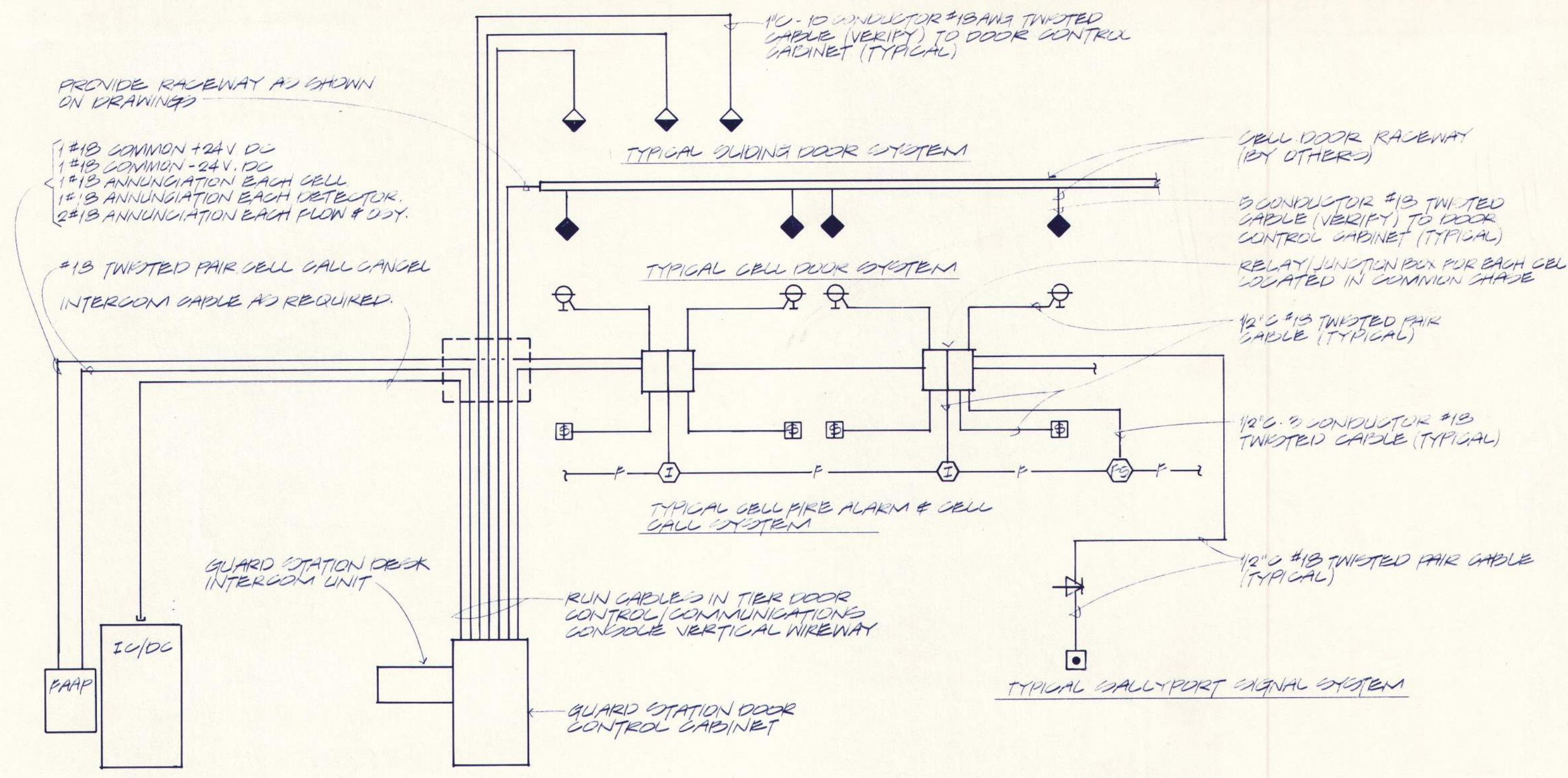
FRANK HONEY
STRUCTURAL ENGINEER
899 S. W. LAUREL LANE, PORTLAND, OREGON 97225

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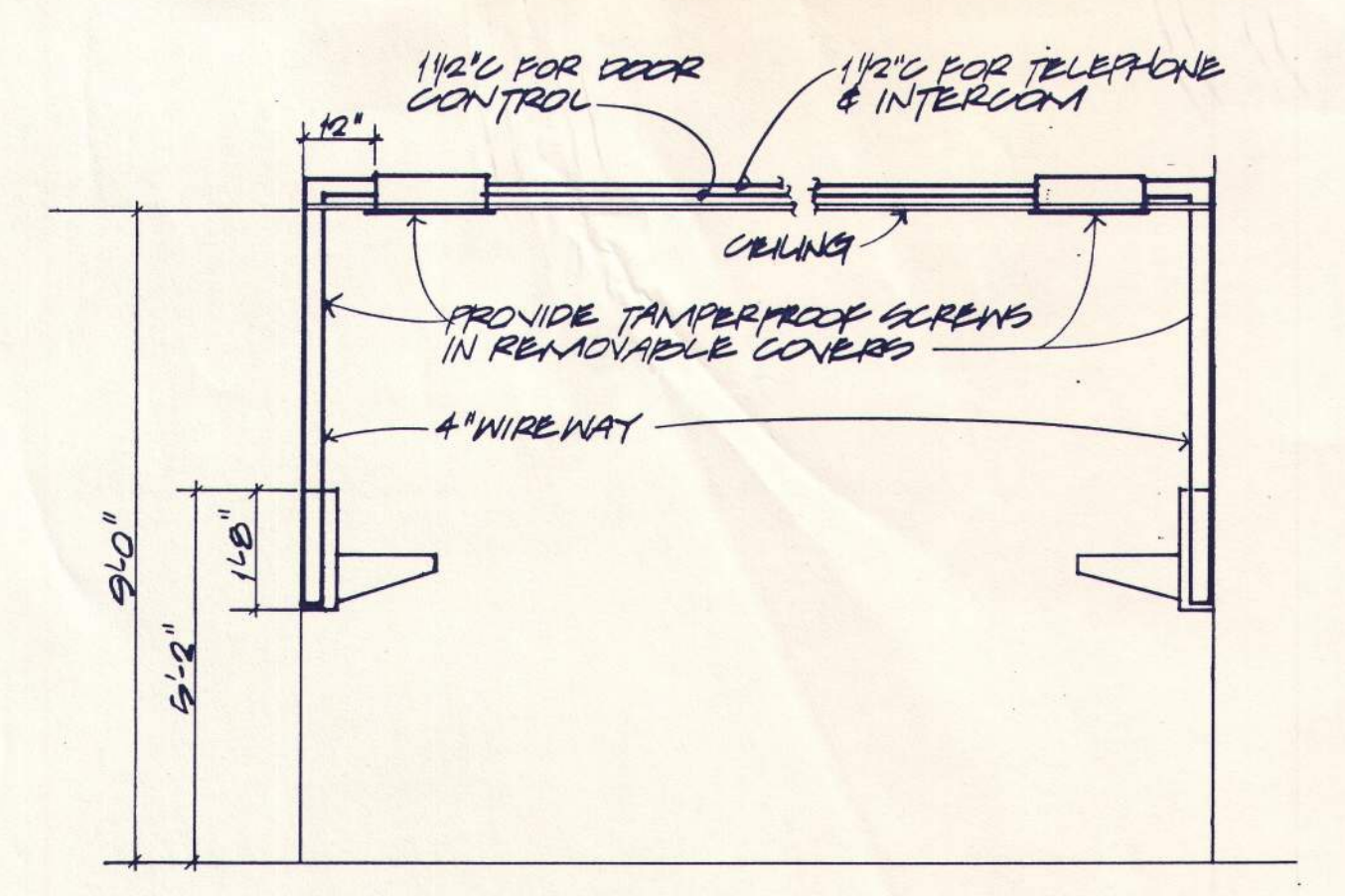
WEGROUP pc / ARCHITECTS & PLANNERS
122 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 (503) 223-1181
863 THIRTEENTH AVENUE EAST, EUGENE, OREGON 97401 (503) 344-3549



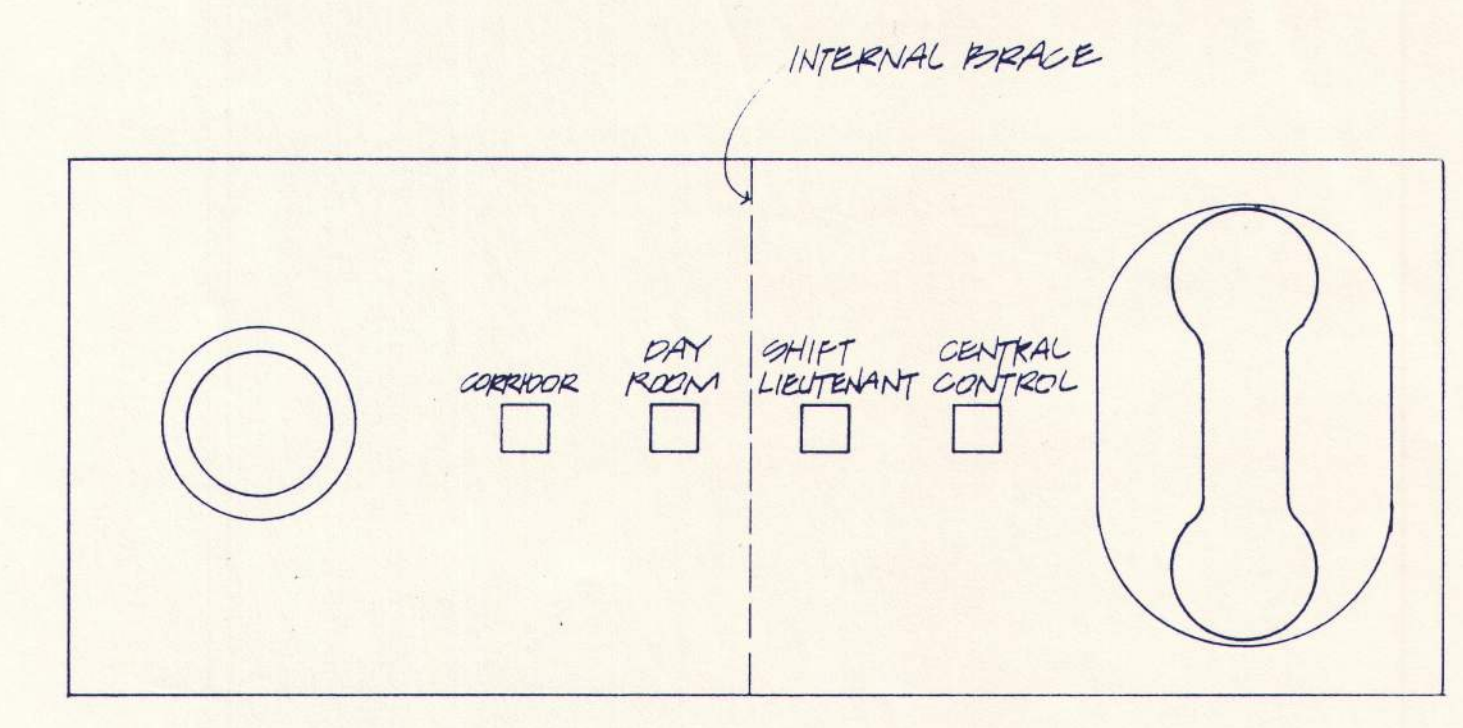
A CELL CHASE
1/4"=1'-0"



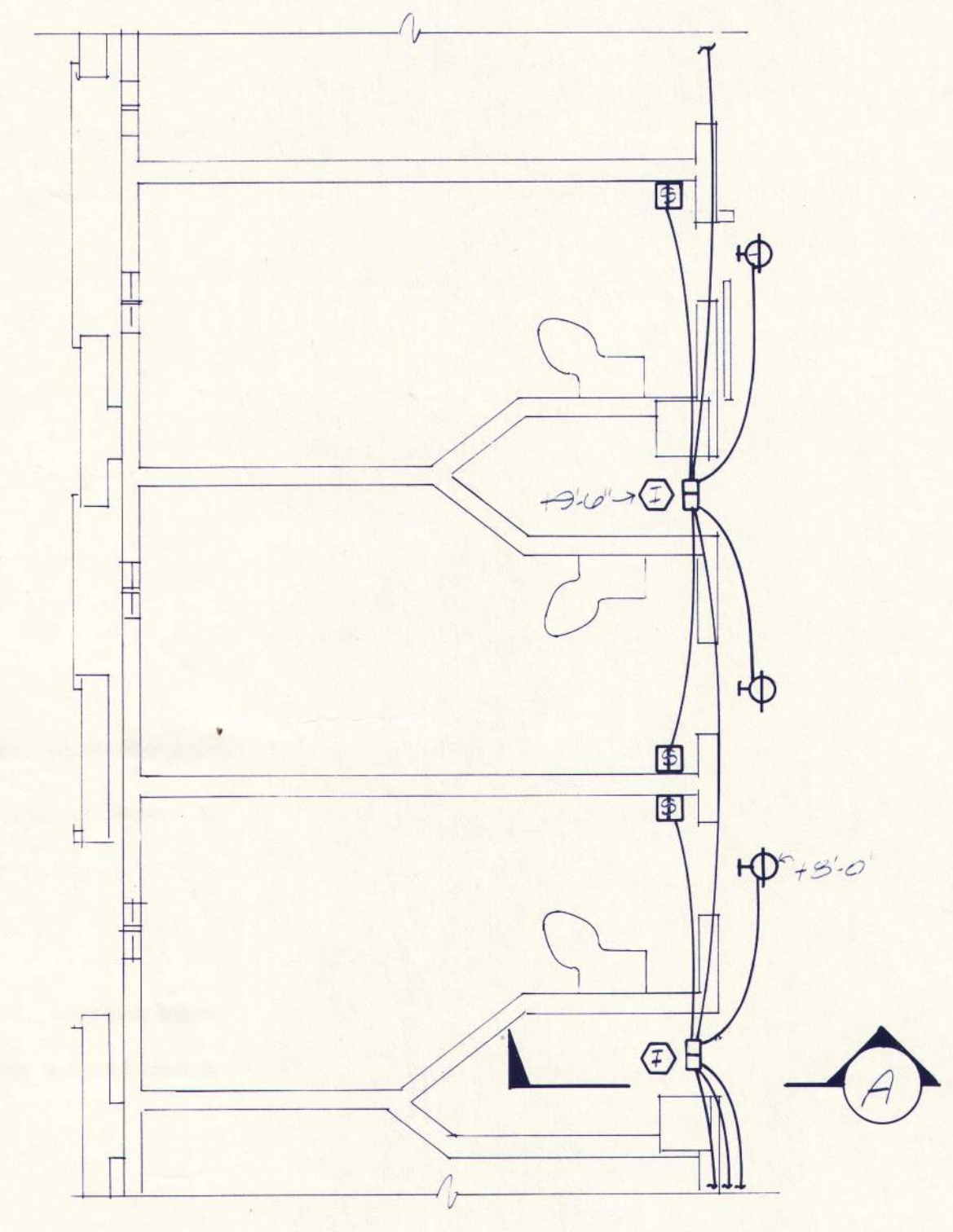
CABLE ROUTING DIAGRAM CELL FLOOR GUARD STATION DOOR CONTROL & RELATED SYSTEMS
NO SCALE



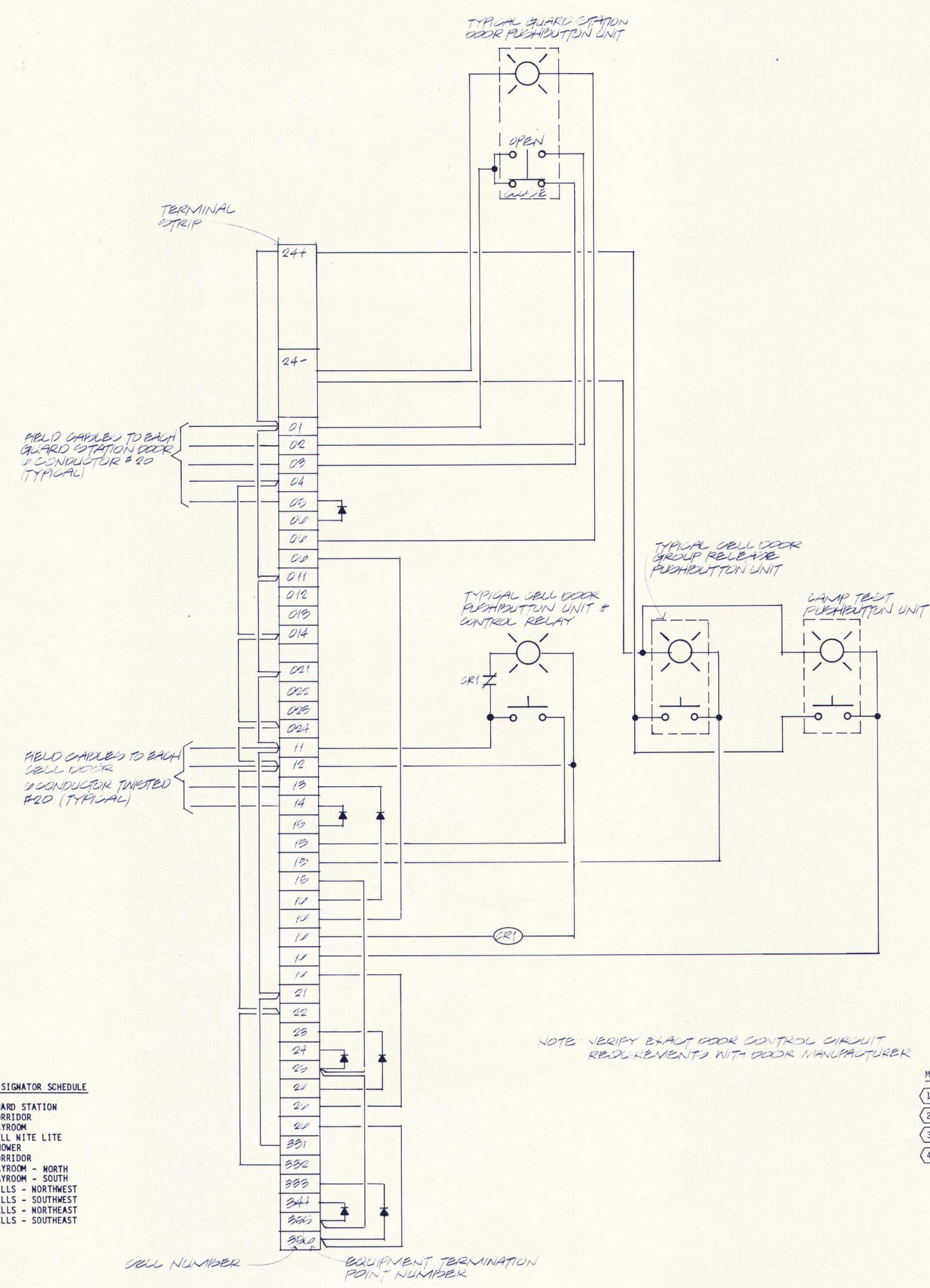
GUARD STATION VERTICAL WIREWAY DETAIL-BUILDING C1
1/4"=1'-0"



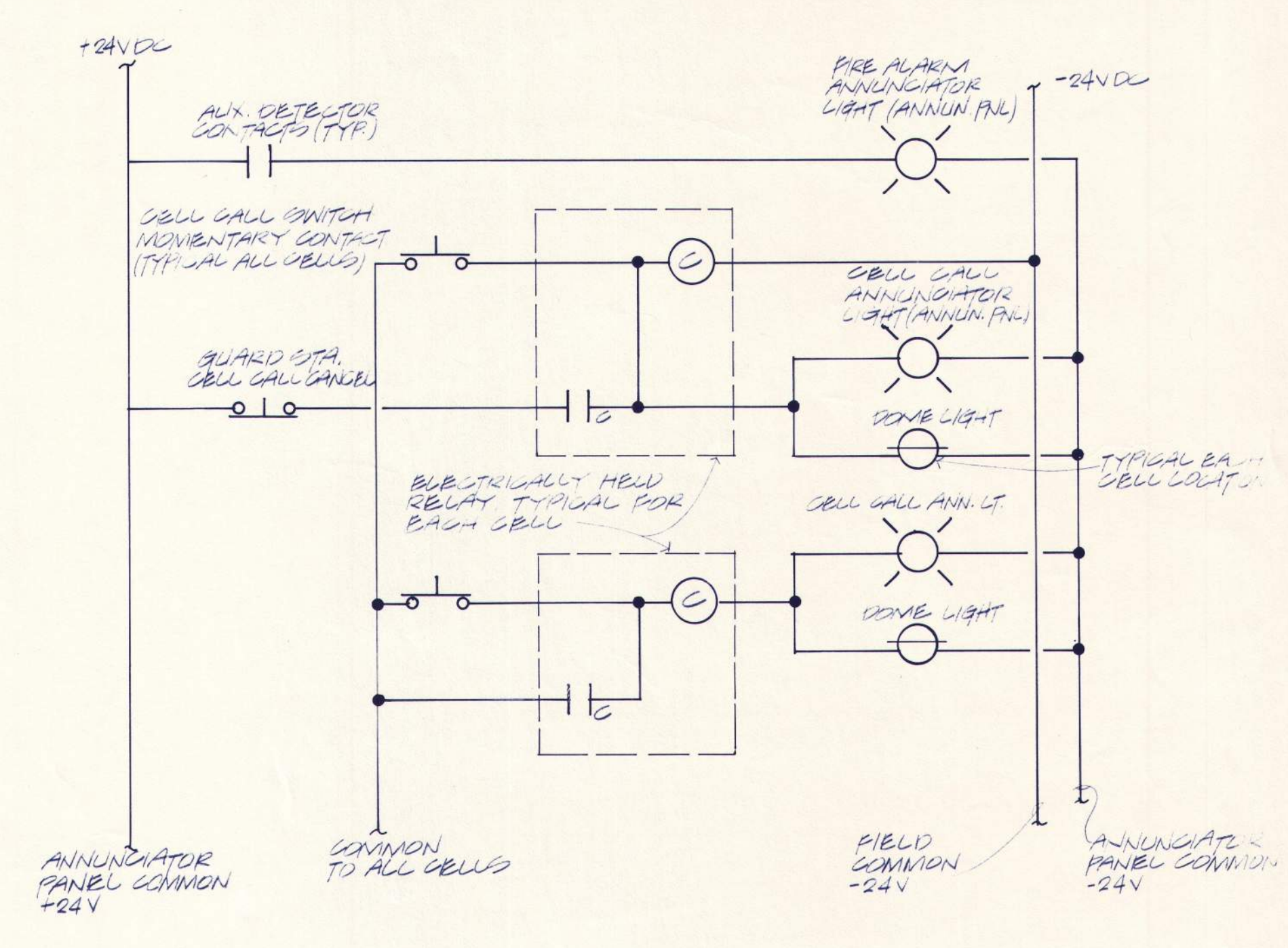
TYPICAL BUILDING "C" GUARD STATION DESK UNIT DEVICE MOUNTING DETAIL
1/4"=1'-0"



CELL SIGNAL WIRING METHOD-TYPICAL
1/4"=1'-0"



GUARD STATION DOOR CONTROL SCHEMATIC
NO SCALE



CELL CALL SCHEMATIC DIAGRAM
NO SCALE

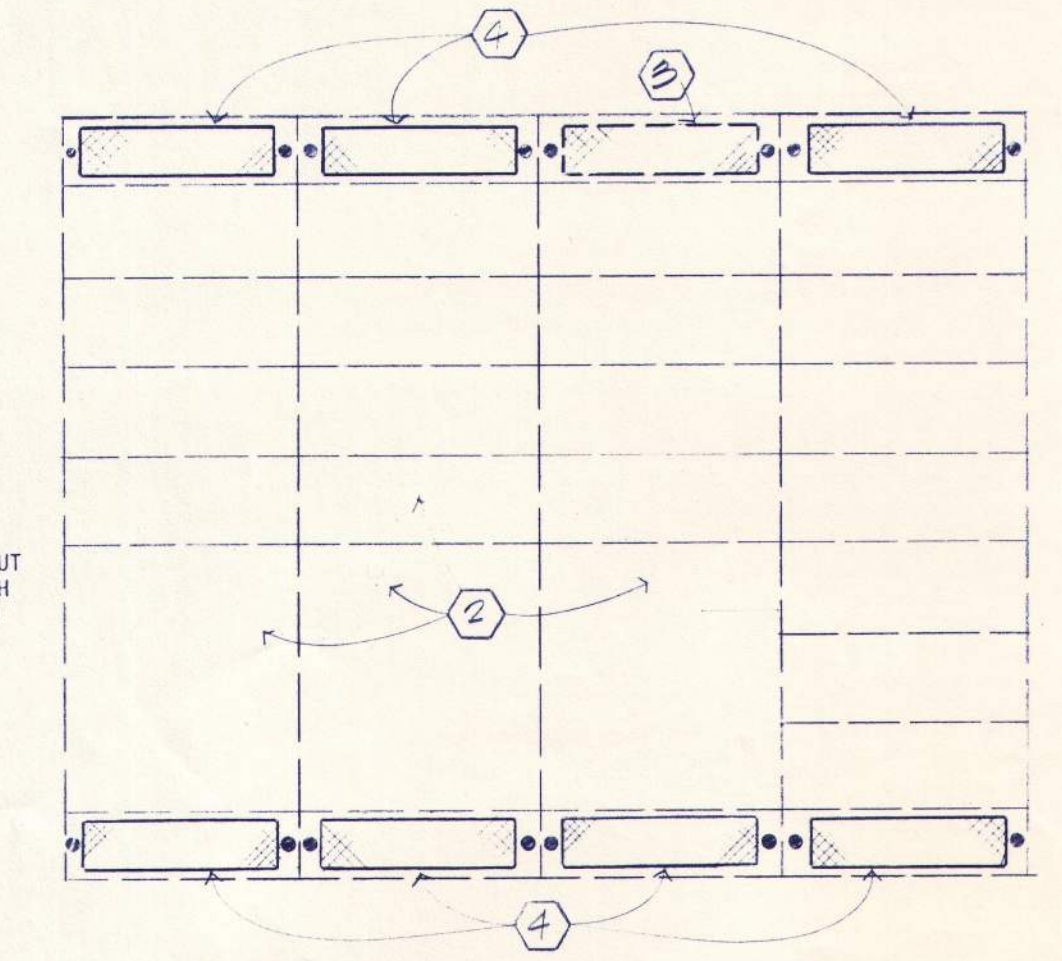
TIER LIGHTING CONTROL PANEL "TLCP" DETAIL

- NO SCALE
- LIGHTING CONTROL PANEL NOTES
- 16" x 4" x 24" H x 6" D FLUSH EQUIPMENT ENCLOSURE WITH LOCKING HANDLE, SIMILAR TO HOFFMAN AA-161206FLP (STAINLESS) WITH AA16P12 PANEL AND AA-NADOK NEMA SWING OUT PANEL KIT. PROVIDE TAMPER RESISTANT LATCH KIT #0-L33. PROVIDE 20 KEY-SWITCH KEYS. THIS ENCLOSURE TO MATCH ADJACENT FIRE ALARM ANNUNCIATOR ENCLOSURE.
 - SWING OUT PANEL. INSTALL INSIDE ENCLOSURE SIZE REQUIRED TO FIT ENCLOSURE INSIDE DIMENSIONS. PUNCH EVENLY SPACED HOLES FOR TOGGLE SWITCH HANDLES, COUNTER SINK HOLES FOR SWITCH SCREWS.
 - PROVIDE BARRIER TO SEPARATE NORMAL FROM EMERGENCY WIRING.
 - PHENOLIC NAMEPLATE; LABEL "EMERGENCY SECTION".
 - SAME AS NOTE 4, EXCEPT "NORMAL SECTION".
 - TOGGLE TYPE SWITCH WITH LIGHTED TOGGLE HANDLE (RED) IN "ON" POSITION. SECURELY SCREW TO DEAD FRONT WITH TAMPERPROOF SCREWS.
 - SWITCH DESIGNATOR. SEE SCHEDULE AND FLOOR PLANS.
 - PHENOLIC SWITCH NAMEPLATE. LABEL PER DESIGNATOR SCHEDULE.

SWITCH DESIGNATOR SCHEDULE

(A):	GUARD STATION
(B):	CORRIDOR
(C):	DAY ROOM
(D):	CELL WIRE LITE
(E):	SHOWER
(F):	CORRIDOR
(G):	DAY ROOM - NORTH
(H):	DAY ROOM - SOUTH
(I):	CELLS - NORTHWEST
(J):	CELLS - SOUTHWEST
(K):	CELLS - NORTHEAST
(L):	CELLS - SOUTHEAST

- MOTOR CONTROL CENTER DETAIL NOTES
- 1 SEE SHEET E-6 FOR LOCATION.
 - 2 (E) MOTOR STARTERS AND PANEL SPACES; NO CHANGE REQUIRED.
 - 3 (E) VENTILATED PANEL COVER.
 - 4 (E) BLANK COVERS. REPLACE WITH (N) FACTORY MADE VENTILATED COVERS, OR CUT OPENINGS TO SAME (FULL HEIGHT AND WIDTH) AND ADD EXPANDED METAL MESH WITH COPPER WINDOW SCREEN BACKING SIMILAR TO (E) VENTILATED COVER. WELD MESH AND SCREEN INTO PLACE.



EXISTING CHILLER ROOM MOTOR CONTROL CENTER DETAIL
NO SCALE

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DRAWN
DATE 2-10-88
JOB 8016

DOOR CONTROL AND INTERCOM RACEWAY AND CABLE SCHEDULE

RUN NO.	CONDUIT SIZE	DOOR CONTROL CABLES #18 5 COND. TWISTED (VERIFY)	INTERCOM CABLES - CABLE TYPE PER MFG'R'S. RECOMMENDATION
1	TWO 3"	1 PER INDICATED DOOR IN BLDG. C PLUS 12 SPARES	1 PER ZONE INDICATED PLUS 20 SPARES
2	TWO 3"	CONDUIT AND WIRING TO BE INSTALLED UNDER A SEPARATE CONTRACT.	
3	TWO 3"	1 PER INDICATED DOOR IN BLDG. C PLUS 12 SPARES	1 PER ZONE INDICATED PLUS 4 SPARES

NOTES - DOOR CONTROL RISER

DOOR CONTROL LEGEND

E EMERGENCY GROUP RELEASE CONTROL WITH MONITORING.
 EC INDIVIDUAL AND GROUP LOCKDOWN CONTROL.
 SE SALLYPORT INTERLOCKED DOOR CONTROL WITH GROUP RELEASE.
 M MONITORED ONLY - NO CONTROL.
 EL EMERGENCY LOCKDOWN CONTROL WITH MONITORING.

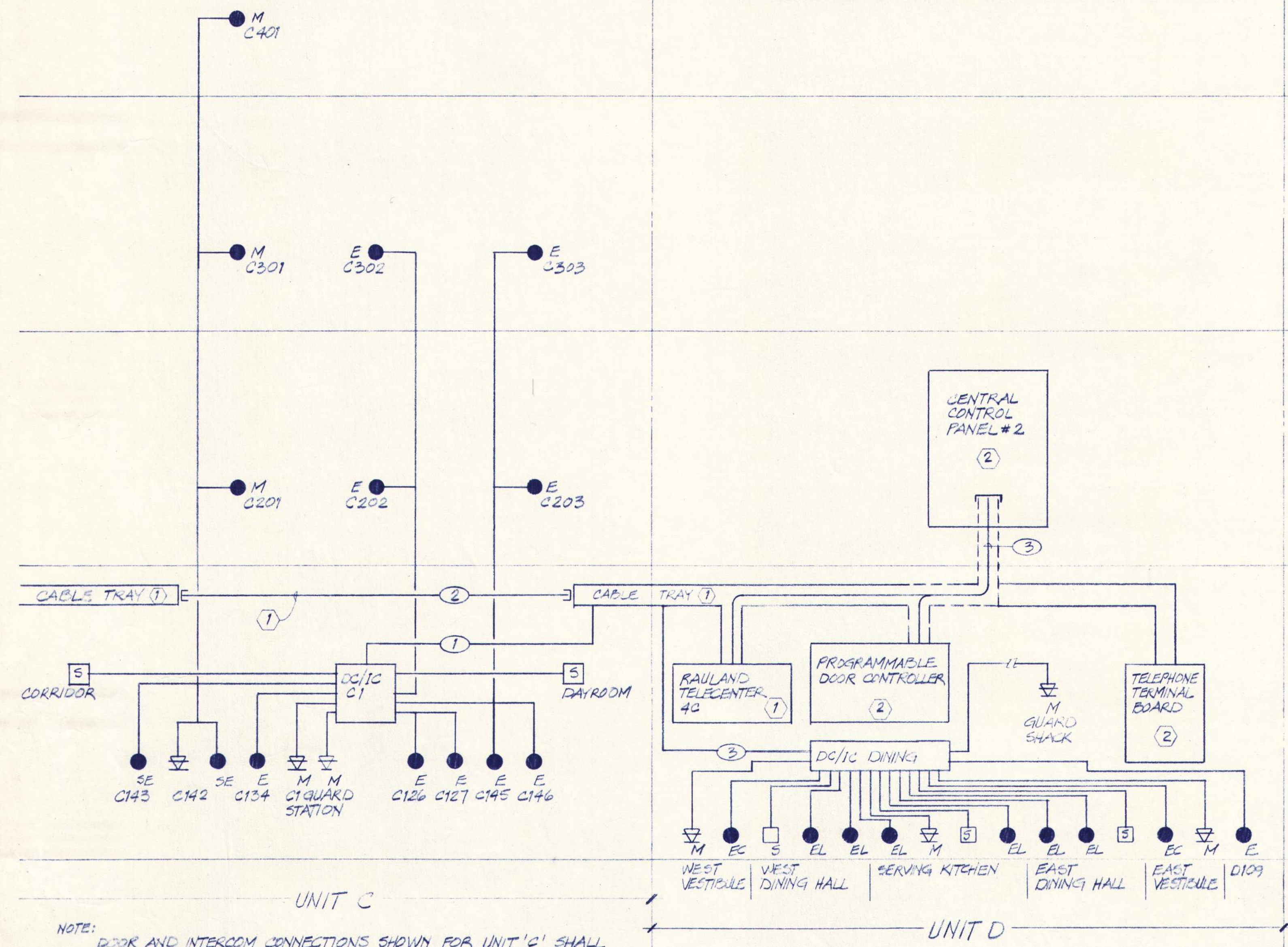
NOTES

1 EQUIPMENT INSTALLED UNDER A SEPARATE CONTRACT.
 2 EXISTING EQUIPMENT.
 3 PROVIDE NEW 25 PAIR CABLE BETWEEN EXISTING PROGRAMMABLE CONTROLLER AND DOOR CONTROL PANEL #2 FOR DINING HALL CONTROL DEVICES, SEE SPECIFICATIONS.

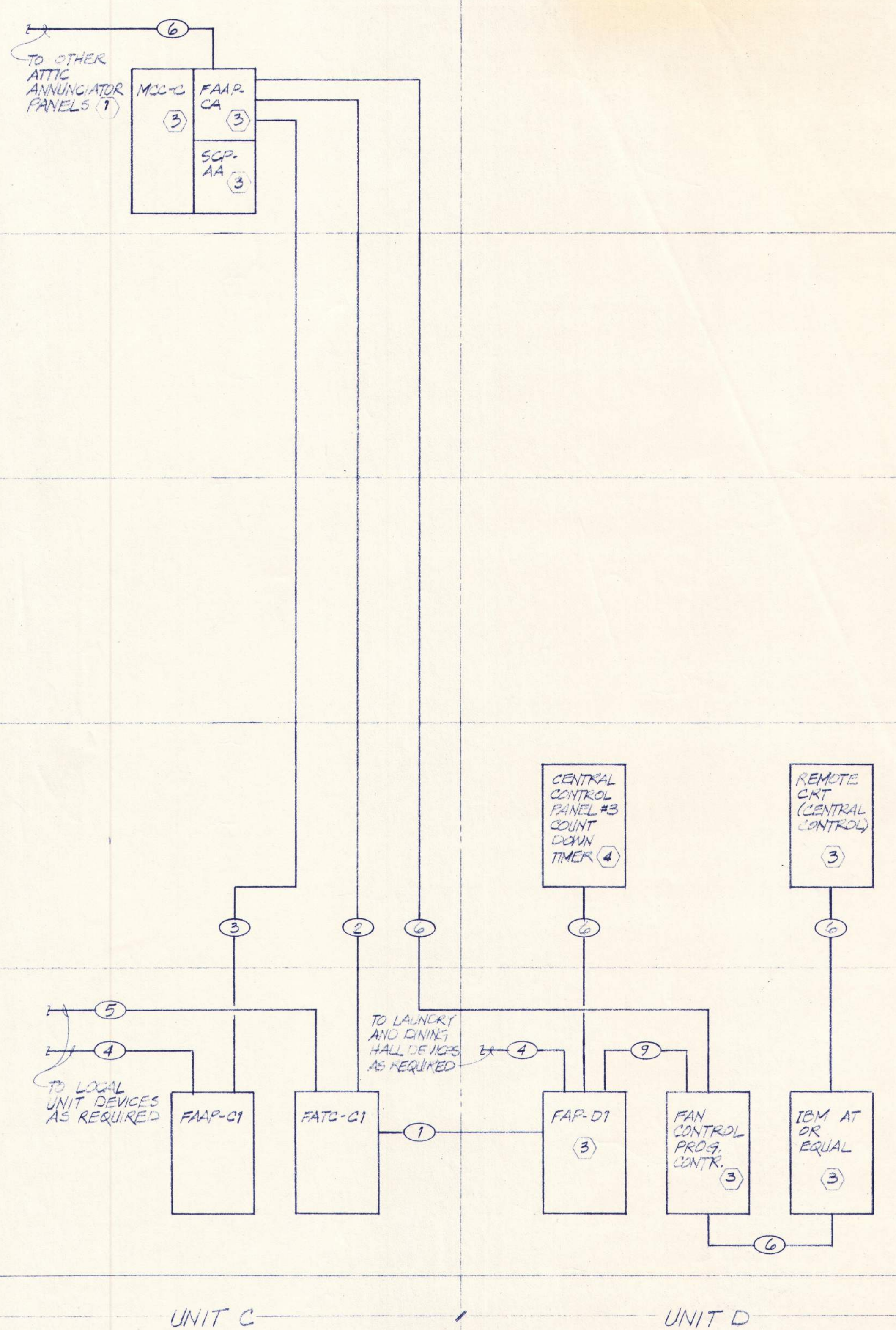
WIRING REQUIREMENTS:

RUN SEPARATE 5 CONDUCTOR CABLE, #18 AWG TO EACH DOOR LOCATION FOR CONTROL AND OR MONITORING. VERIFY CONDUCTOR QUANTITY AND SIZE WITH DOOR HARDWARE SUPPLIER PRIOR TO INSTALLATION.

SALLYPORT INTERLOCK DOOR CONTROL INDICATES THAT THE PROGRAMMABLE CONTROLLER PREVENTS THE OPERATION OF A SALLYPORT DOOR IF ANY OTHER DOOR IN THE SAME SALLYPORT IS INSECURE.



ATTIC FLOOR
 FOURTH FLOOR
 THIRD FLOOR
 SECOND FLOOR
 FIRST FLOOR



FIRE ALARM ANNUNCIATOR AND SMOKE CONTROL RISER

FIRE ALARM ANNUNCIATION AND SMOKE CONTROL RACEWAY AND CABLE SCHEDULE

RUN NO.	CONDUIT SIZE	CIRCUIT DESCRIPTIONS
1	3/4"	COUNT DOWN TIMER AND AUDIBLE ALARM CIRCUITS AS REQUIRED TO FIRE ALARM CONTROL PANELS.
2	2"	FIRE ALARM INITIATING AND AUDIBLE ALARM CIRCUITS AS SCHEDULED.
3	2" 2" (EMPTY)	FIRE ALARM ZONE INTERFACE CIRCUITS FROM AUXILIARY FIRE ALARM ZONE MODULE CONTACTS TO PROGRAMMABLE CONTROLLER EQUIPMENT IN SMOKE CONTROL SMOKE CONTROL PANELS (SCP). PLUS FIRE ALARM ANNUNCIATION CIRCUITS FROM PROGRAMMABLE CONTROLLER EQUIPMENT LOCATED IN "SCP" TO LOCAL FLOOR ANNUNCIATOR PANELS (FAAP). SEE ANNUNCIATOR PANEL DETAILS FOR REQUIRED ANNUNCIATOR CIRCUIT REQUIREMENTS.
4	SIZE AS REQUIRED	LOCAL FIRE ALARM DEVICE AND CELL CALL ANNUNCIATOR CIRCUITS AS SHOWN ON SHEET E-19.
5	SIZE AS REQUIRED	FIRE ALARM INITIATING CIRCUITS AND AUDIBLE ALARM CIRCUITS TO LOCAL DEVICES.
6		CONDUIT AND WIRE INSTALLED UNDER A SEPARATE CONTRACT.
7	2"	FIRE ALARM ZONE INTERFACE CIRCUITS FROM AUXILIARY FIRE ALARM ZONE CONTACTS TO PROGRAMMABLE CONTROLLER EQUIPMENT.

NOTES TO FIRE ALARM AND SMOKE CONTROL SCHEDULE

1. WIRE MANAGEMENT:

A. PROVIDE IDENTIFIED MULTICONDUCTOR CABLES FOR SYSTEM CIRCUIT SEPARATION AND IDENTIFICATION.

(1) FIRE ALARM INITIATING ZONE CIRCUITS.
 (2) FIRE ALARM SIGNAL ZONE CIRCUITS.
 (3) FIRE ALARM ZONE INTERFACE CONDUCTORS TO THE PROGRAMMABLE CONTROLLER EQUIPMENT.
 (4) FIRE ALARM AND CELL CALL CONDUCTOR TO ANNUNCIATOR PANELS.

2. VERIFY CABLE REQUIREMENTS FOR FIRE ALARM SYSTEM AND PROGRAMMABLE CONTROLLER EQUIPMENT WITH MANUFACTURERS.

3. EQUIPMENT TO BE INSTALLED UNDER A SEPARATE CONTRACT.

4. EXISTING EQUIPMENT.

CENTRAL CONTROL, DOOR CONTROL, AND INTERCOM RISER

Panel # 2 Legend Building C

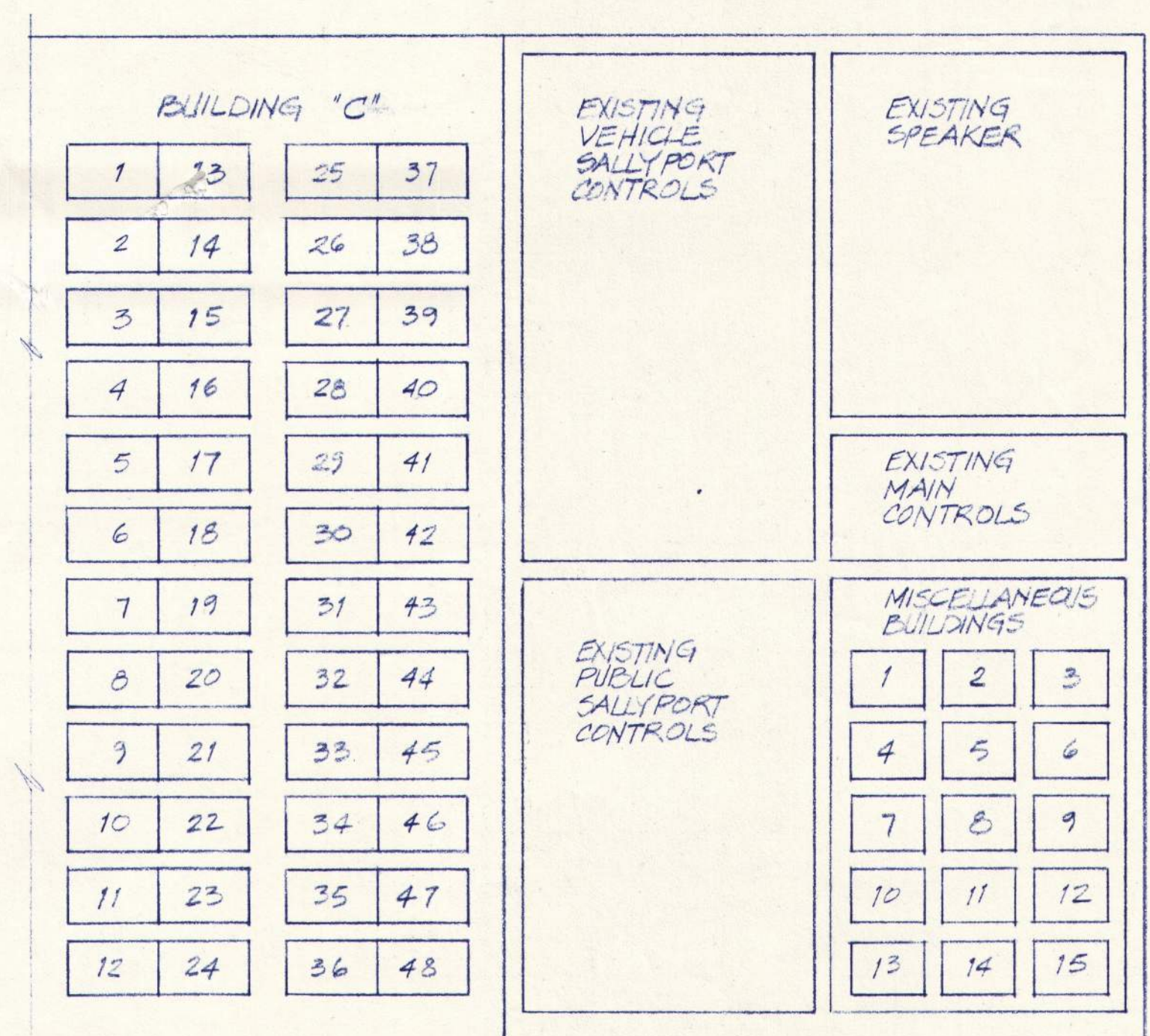
Switch No.	Nomenclature	Switch No.	Nomenclature	Switch No.	Nomenclature	Switch No.	Nomenclature
1	GROUP RELEASE 1ST	13	B.S.	25	B.S.	37	B.S.
2	M.O. C146	14	I.C. C1 GUARD STA.	26	M.O. C301	38	B.S.
3	M.C. C143	15	I.C. C143	27	M.O. C302	39	B.S.
4	M.O. C142	16	M.O. C127	28	M.O. C303	40	B.S.
5	M.O. C145	17	M.O. C126	29	B.S.	41	B.S.
6	M.C. C134	18	B.S.	30	B.S.	42	B.S.
7	I.C. DAY RM C-1	19	I.C. WEST CORR C-1	31	B.S.	43	B.S.
8	M.O. C201	20	I.C. EAST CORR C-1	32	M.O. C401	44	B.S.
9	M.O. C202	21	B.S.	33	M.O. C402	45	B.S.
10	M.O. C203	22	B.S.	34	M.O. C403	46	B.S.
11	B.S.	23	B.S.	35	B.S.	47	B.S.
12	B.S.	24	B.S.	36	B.S.	48	B.S.

NOTES: ALL PUSHBUTTONS AND WIRING TO BUILDING C CONTROL PANEL SHALL BE PROVIDED UNDER A SEPARATE CONTRACT.

Existing Panel #2 Legend Dining Hall

Switch No.	Nomenclature	Switch No.	Nomenclature	Switch No.	Nomenclature
1	INTERCOM W. VESTBLE	2	INTERCOM-KITCHEN	3	INTERCOM E. VESTBLE
4	W. DIN. HALL SPEAK.	5	KITCHEN SPEAKERS	6	E. DIN. HALL SPKRS
7	DOOR CTRL-W. VESTBLE	8	DOOR CTRL-CORR. DIHG	9	DOOR CTRL-E. VESTBLE
10	EMERG DOOR LOCK-WEST	11	SPARE	12	EMERG. DOOR LOCK-E.
13	SPARE	14	SPARE	15	SPARE

NOTES: ALL PUSHBUTTONS ARE EXISTING. PROVIDE NEW ENGRAVED LENS CAPS.



PANEL NO. 2 DOOR CONTROL/INTERCOM TURRET PUSHBUTTON LAYOUT

NO SCALE



BALZHISER, HUBBARD ASSOCIATES
 MECHANICAL & ELECTRICAL ENGINEERS
 840 MARNEY STREET EUGENE, OREGON 97401

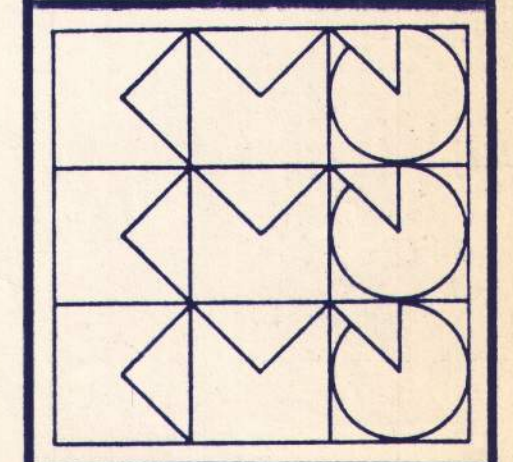
LLOYD BOND & ASSOCIATES
 LANDSCAPE ARCHITECT
 1827 OAK STREET EUGENE, OREGON 97401

FRANK HONEY
 STRUCTURAL ENGINEER
 840 S. W. LUMBER LANE PORTLAND, OREGON 97218

EASTERN OREGON CORRECTIONAL INSTITUTION - PHASE 6
 PENLETON, OREGON

WEGROUP pc/ARCHITECTS & PLANNERS
 OREGON STATE CORRECTIONS DIVISION

125 S.W. THIRD AVENUE, PORTLAND, OREGON 97204 / (503) 253-1151
 853 THIRTIETH AVENUE, EAST EUGENE, OREGON 97401 / (503) 344-3249



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