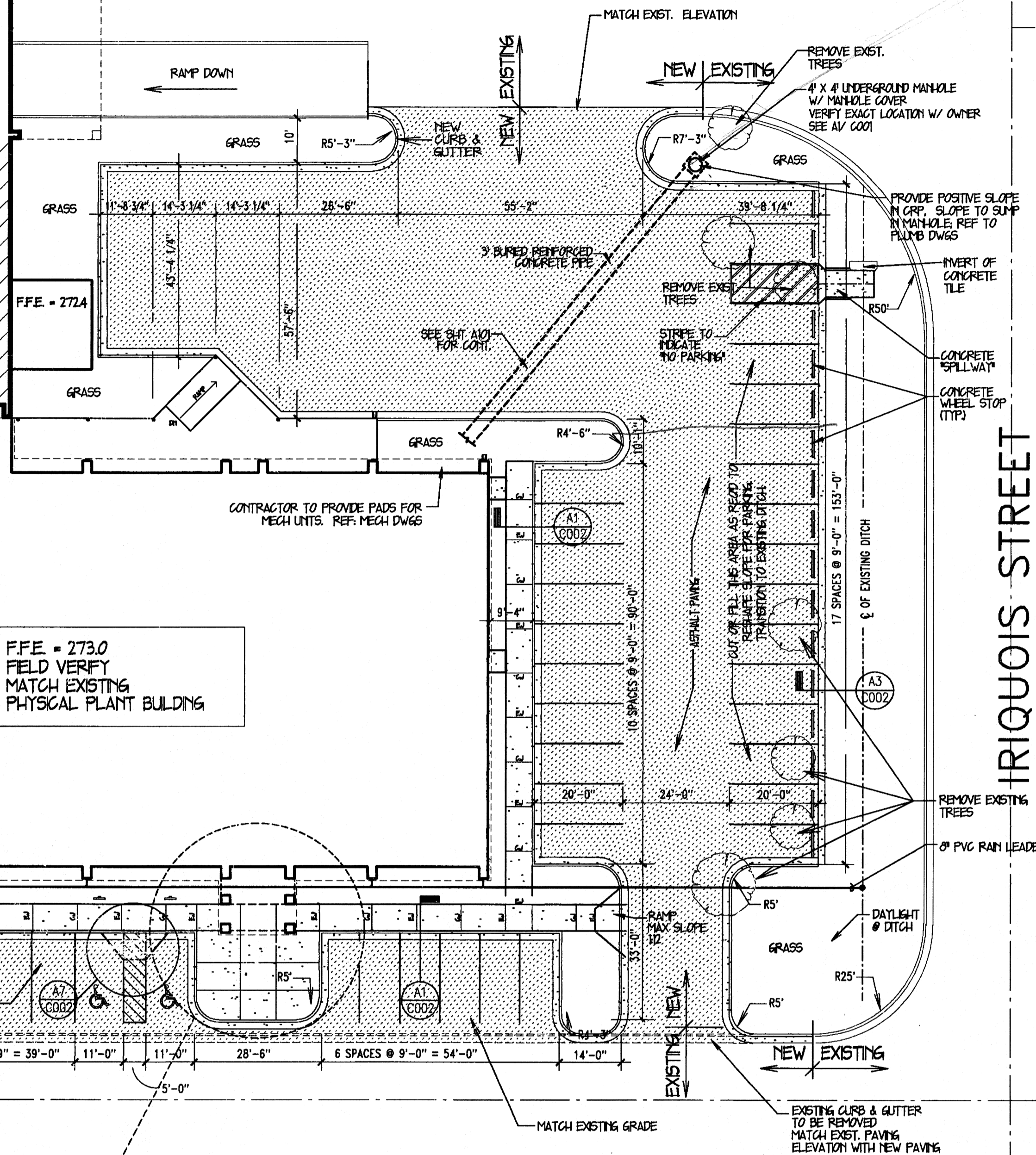


CONCRETE SWALE W/CURB DETAIL K1
NO SCALE

EXISTING PHYSICAL PLANT BUILDING
F.F.E. = 273.0

SEE SHEET A10 FOR THIS AREA



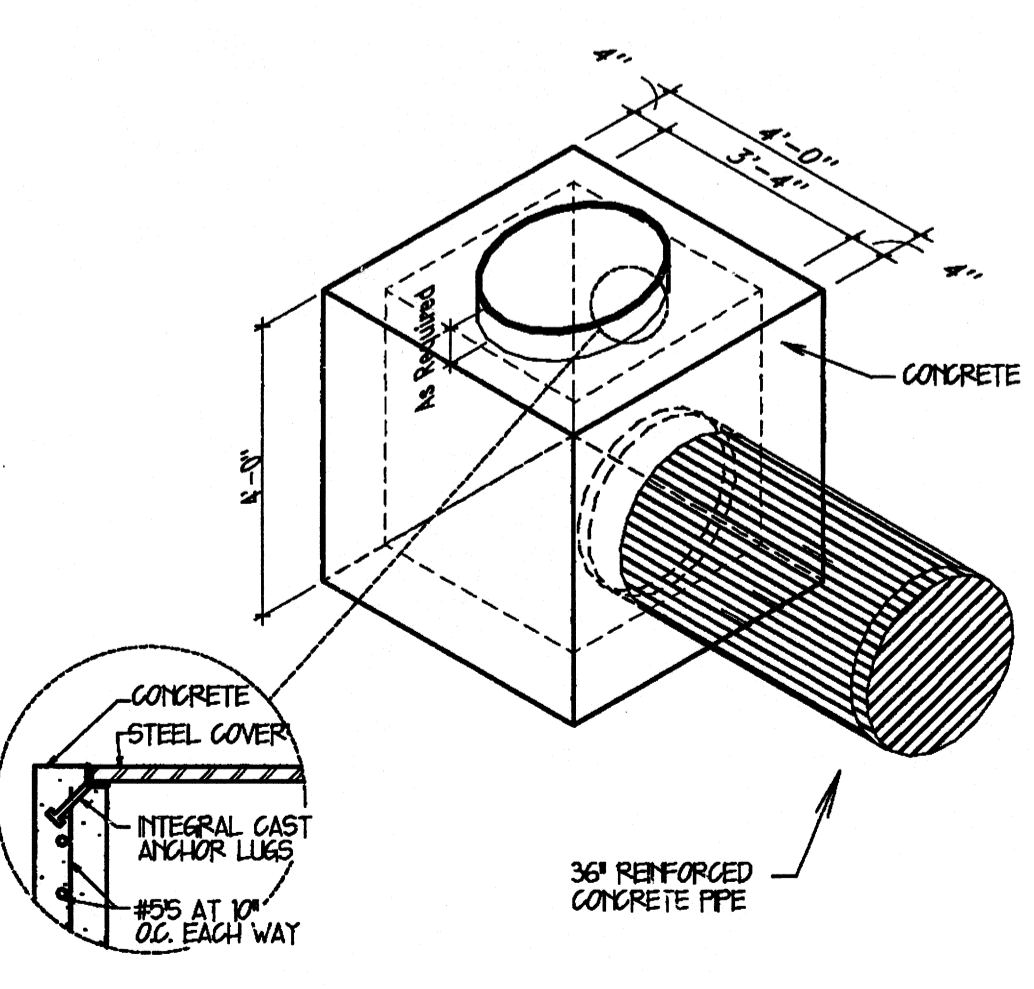
F.F.E. = 273.0
FIELD VERIFY
MATCH EXISTING
PHYSICAL PLANT BUILDING

CONTRACTOR TO PROVIDE PADS FOR
MECH UNITS. REF. MECH DWGS

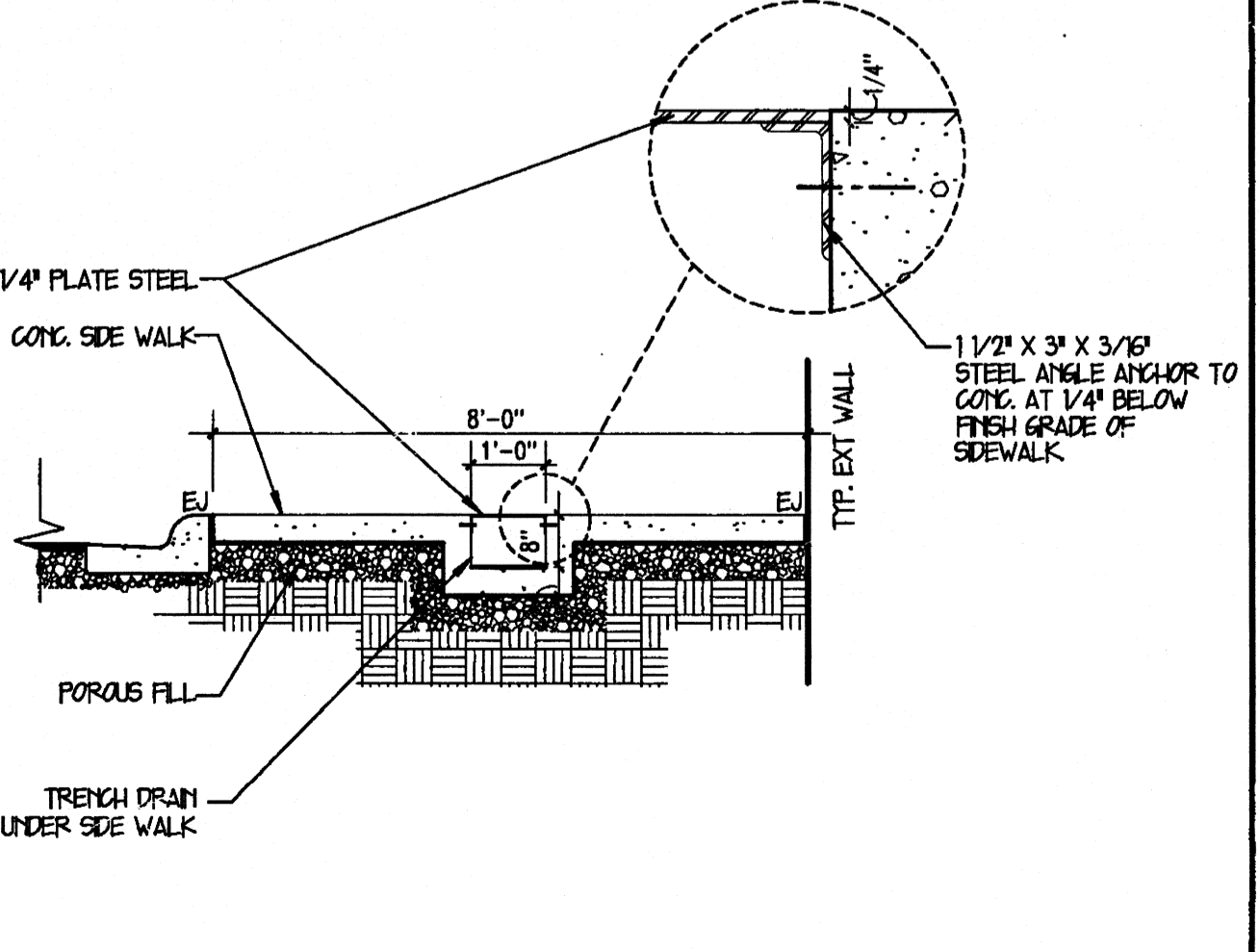
---	PROPERTY LINE
---	SETBACK
---	EASEMENT
X-X	FENCE
W	WATER LINE
G	GAS LINE
T	TELEPHONE LINE
E	ELECTRIC
SS	SANITARY SEWER
---	EXISTING GRADE

PAWNEE STREET

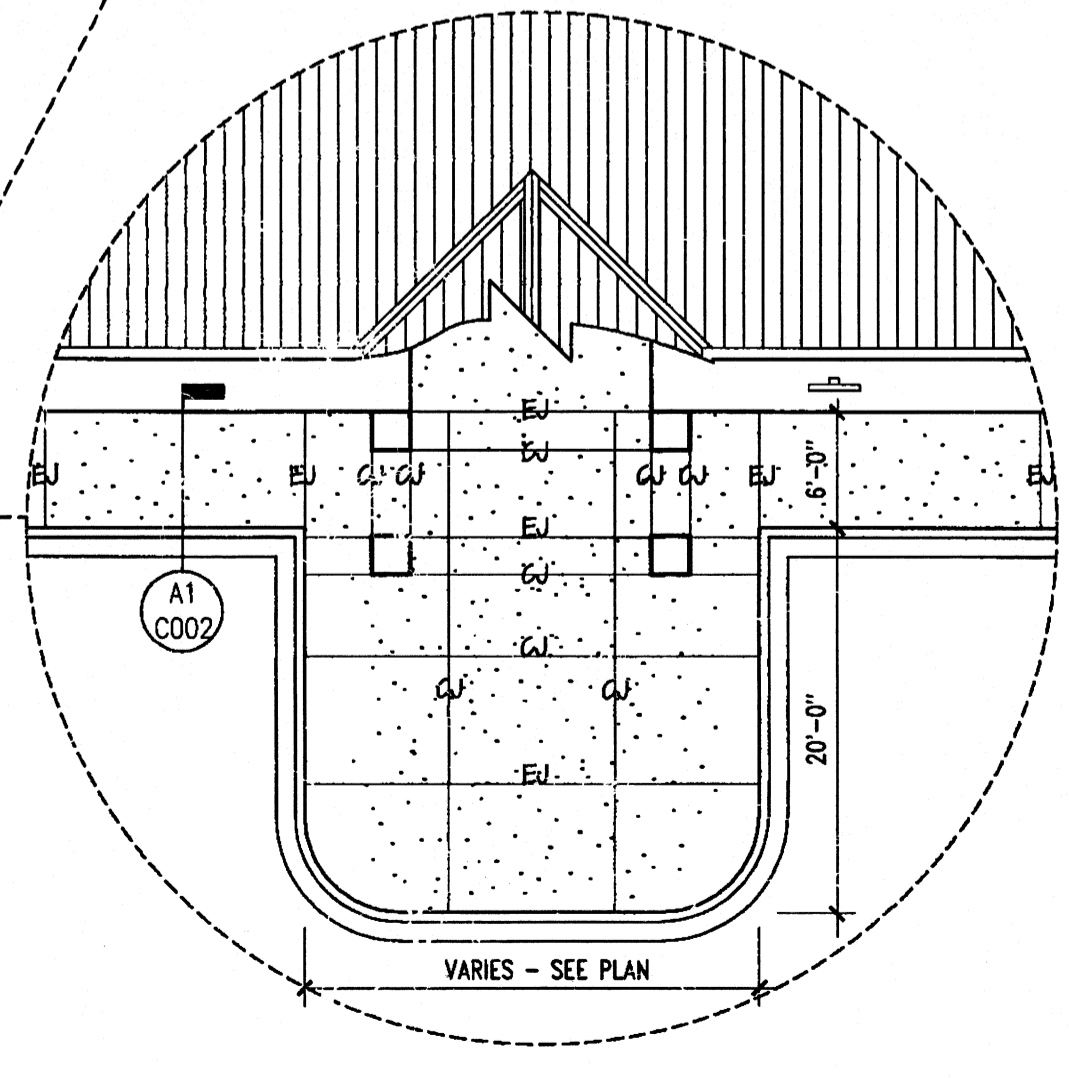
IRIGOUIS STREET



MANHOLE DETAIL A1
NO SCALE

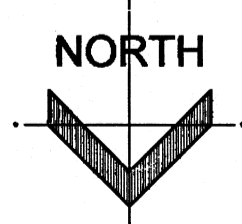


TRENCH DRAIN DETAIL A4
NO SCALE



- NOTES:
1. EXPANSION JOINTS IN ALL EXTERIOR CONG. PAVING, CURB, GUTTER, ETC. MUST BE ACCOMPLISHED BY USE OF "ZP STRIP" WITH POURABLE CALK SEALANT.
 2. CONTROL JOINTS IN ALL EXTERIOR CONG. PAVING, CURB, GUTTER, ETC. MUST BE TOOLED.
 3. REMOVE EXISTING SECTIONS OF CURB/ GUTTER PAVING, ETC. AS READ BY THE NEW WORK. SAW CUT FOR STRAIGHT CLEAN EDGE. PATCH BACK TO EXISTING AS READ.
 4. MAINTAIN POSITIVE DRAINAGE FROM BUILDING. VERIFY GRADES WITH ARCHITECT.

NOTES:
SEE COO16 FOR SITE GRADING



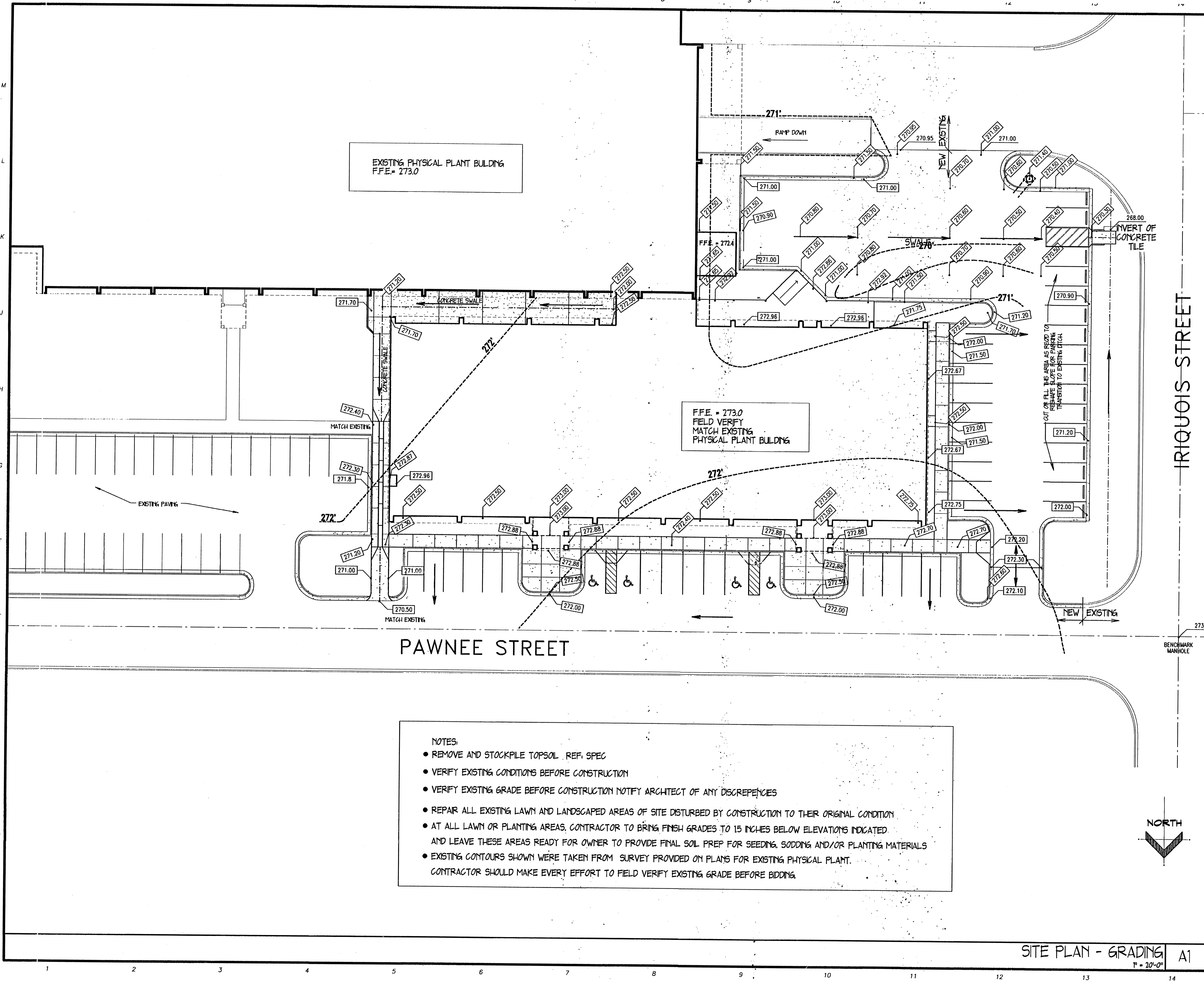
SITE PLAN A7
1" = 20'-0"

LEGEND D14
NO SCALE

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 JONESBORO, ARKANSAS

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	Drawing No. COO1		



---	PROPERTY LINE
---	SETBACK
---	EASEMENT
X-X	FENCE
W	WATER LINE
G	GAS LINE
T	TELEPHONE LINE
E	ELECTRIC
SS	SANITARY SEWER
---	EXISTING GRADE
---	EXISTING SPOT ELEV.
---	NEW SPOT ELEV.
---	DIRECTION OF WATER FLOW

- NOTES:**
- REMOVE AND STOCKPILE TOPSOIL REF. SPEC
 - VERIFY EXISTING CONDITIONS BEFORE CONSTRUCTION
 - VERIFY EXISTING GRADE BEFORE CONSTRUCTION NOTIFY ARCHITECT OF ANY DISCREPANCIES
 - REPAIR ALL EXISTING LAWN AND LANDSCAPED AREAS OF SITE DISTURBED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION
 - AT ALL LAWN OR PLANTING AREAS, CONTRACTOR TO BRING FINISH GRADES TO 15 INCHES BELOW ELEVATIONS INDICATED AND LEAVE THESE AREAS READY FOR OWNER TO PROVIDE FINAL SOIL PREP FOR SEEDING, SODDING AND/OR PLANTING MATERIALS
 - EXISTING CONTOURS SHOWN WERE TAKEN FROM SURVEY PROVIDED ON PLANS FOR EXISTING PHYSICAL PLANT. CONTRACTOR SHOULD MAKE EVERY EFFORT TO FIELD VERIFY EXISTING GRADE BEFORE BIDDING.

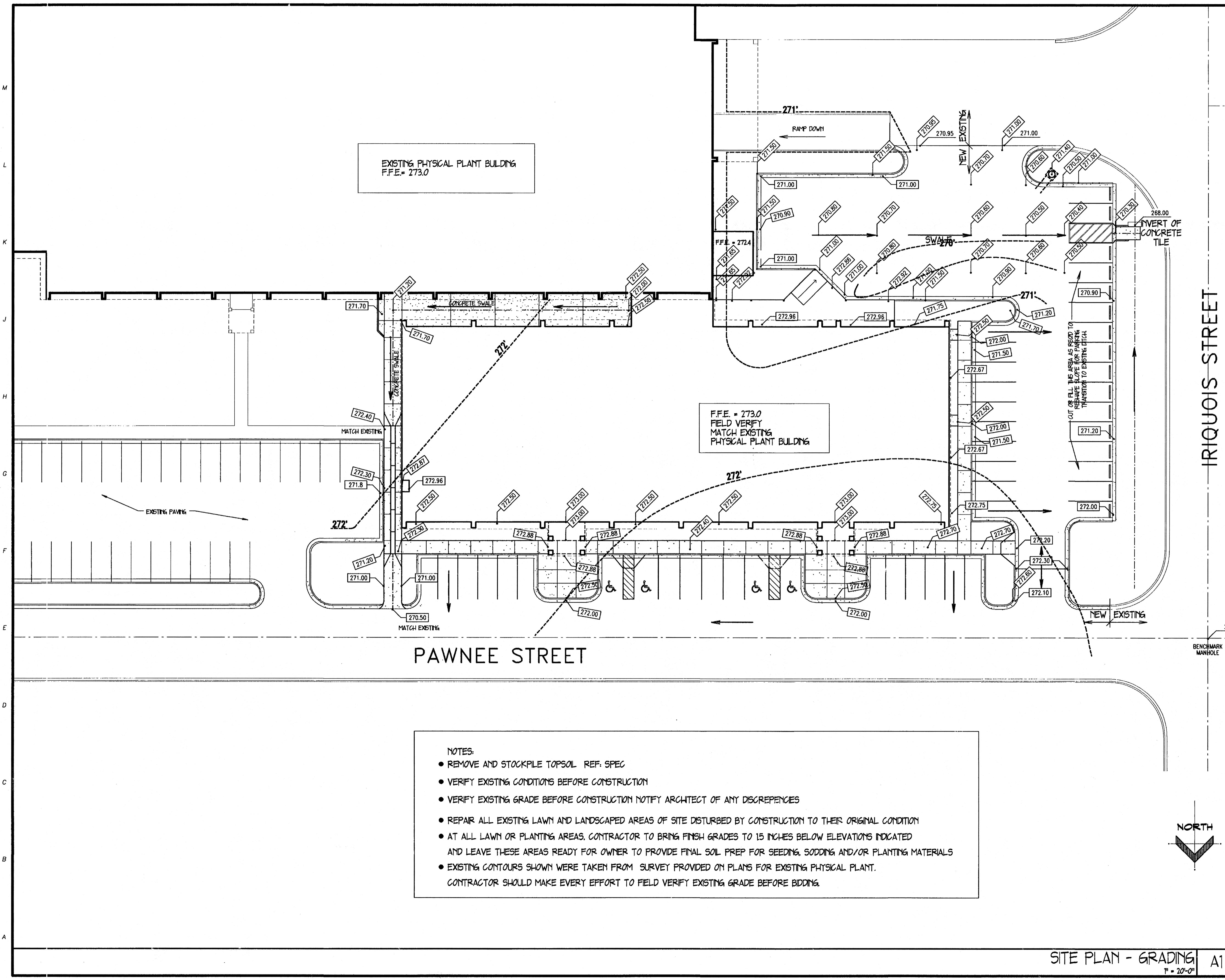
LEGEND D14
NO SCALE

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	Drawing No. 0001-G	Copyright © 2000 by Stuck Associates Architects All Rights Reserved
	Consultant	

SITE PLAN - GRADING A1
 1" = 20'-0"



EXISTING PHYSICAL PLANT BUILDING
F.F.E. = 273.0

F.F.E. = 273.0
FIELD VERIFY
MATCH EXISTING
PHYSICAL PLANT BUILDING

PAWNEE STREET

IRIGUIS STREET

- LEGEND** D14
NO SCALE
- PROPERTY LINE
 - SETBACK
 - EASEMENT
 - X-X- FENCE
 - W- WATER LINE
 - G- GAS LINE
 - T- TELEPHONE LINE
 - E- ELECTRIC
 - SS- SANITARY SEWER
 - 334- EXISTING GRADE
 - 270.00- EXISTING SPOT ELEV.
 - 270.00- NEW SPOT ELEV.
 - ↗ DIRECTION OF WATER FLOW

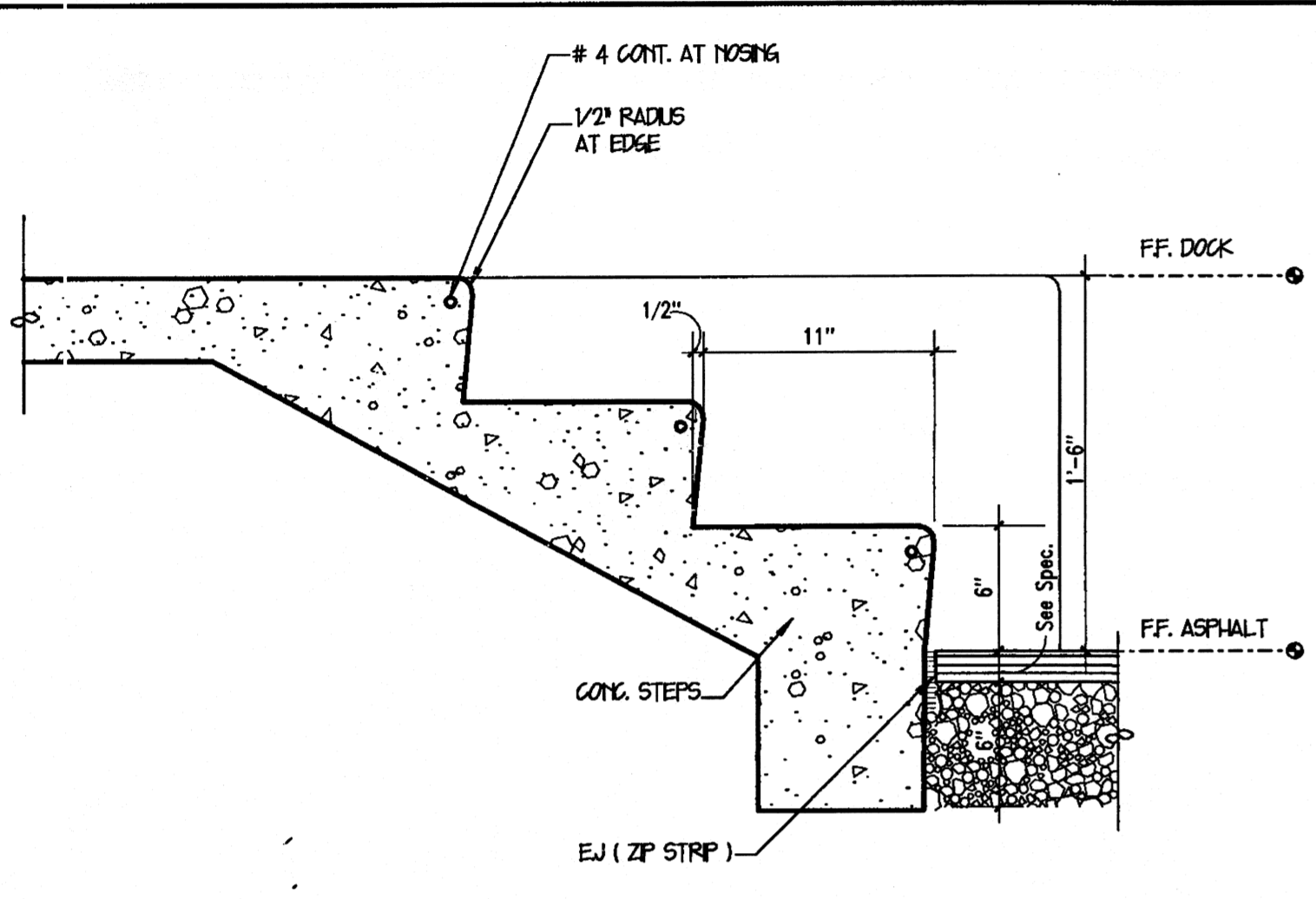
- NOTES:**
- REMOVE AND STOCKPILE TOPSOIL REF. SPEC
 - VERIFY EXISTING CONDITIONS BEFORE CONSTRUCTION
 - VERIFY EXISTING GRADE BEFORE CONSTRUCTION NOTIFY ARCHITECT OF ANY DISCREPANCIES
 - REPAIR ALL EXISTING LAWN AND LANDSCAPED AREAS OF SITE DISTURBED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION
 - AT ALL LAWN OR PLANTING AREAS, CONTRACTOR TO BRING FINISH GRADES TO 15 INCHES BELOW ELEVATIONS INDICATED AND LEAVE THESE AREAS READY FOR OWNER TO PROVIDE FINAL SOIL PREP FOR SEEDING, SODDING AND/OR PLANTING MATERIALS
 - EXISTING CONTOURS SHOWN WERE TAKEN FROM SURVEY PROVIDED ON PLANS FOR EXISTING PHYSICAL PLANT. CONTRACTOR SHOULD MAKE EVERY EFFORT TO FIELD VERIFY EXISTING GRADE BEFORE BIDDING.

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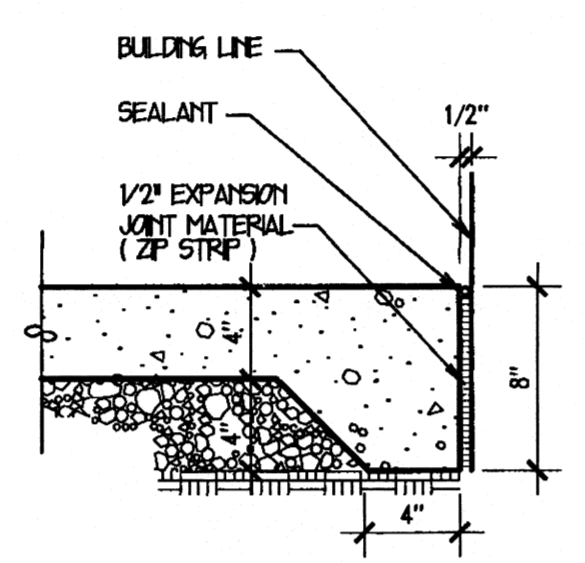
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Seal STUCK ASSOCIATES ARCHITECTS REGISTERED ARCHITECTS AR 0000000000	DRAWING INFO Drawing: 05-15-2000 Plot Date:	Rev. No. Rev. Date Comp. No. 1 6-6-00 126B-97
		Rev. No. Rev. Date Issue Date 5-25-00
		Rev. No. Rev. Date
Drawing No. 0001-G		Copyright © 2000 by Stuck Associates Architects All Rights Reserved

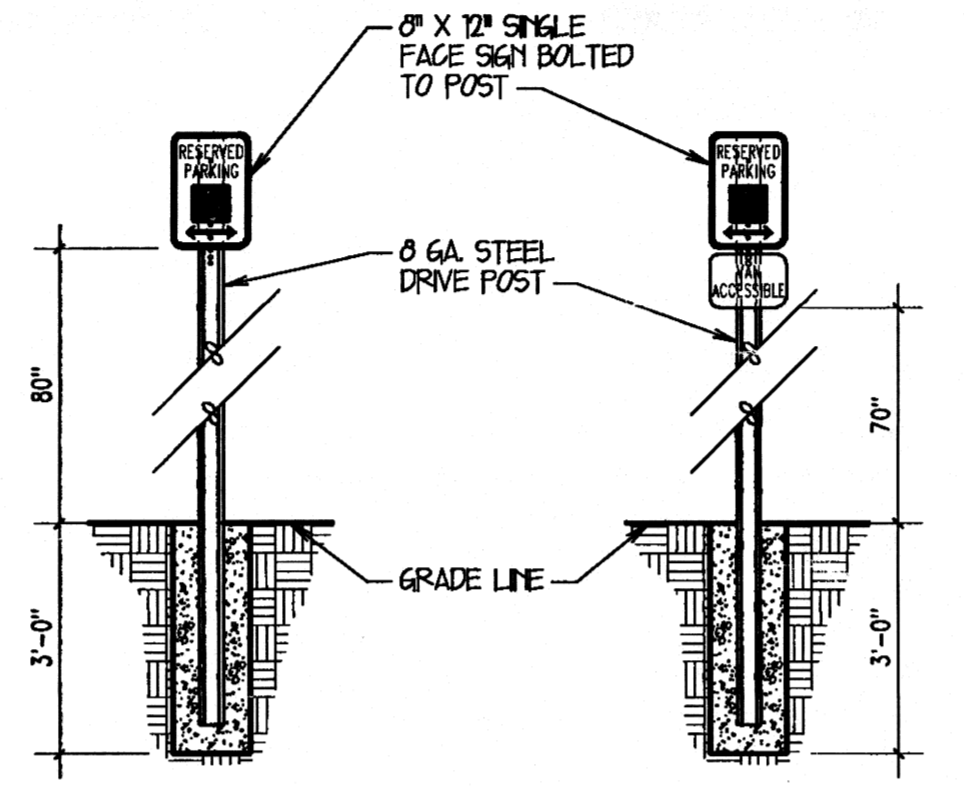
SITE PLAN - GRADING A1
 1" = 20'-0"



EXTERIOR STEPS DETAIL G1
1 1/2" = 1'-0"

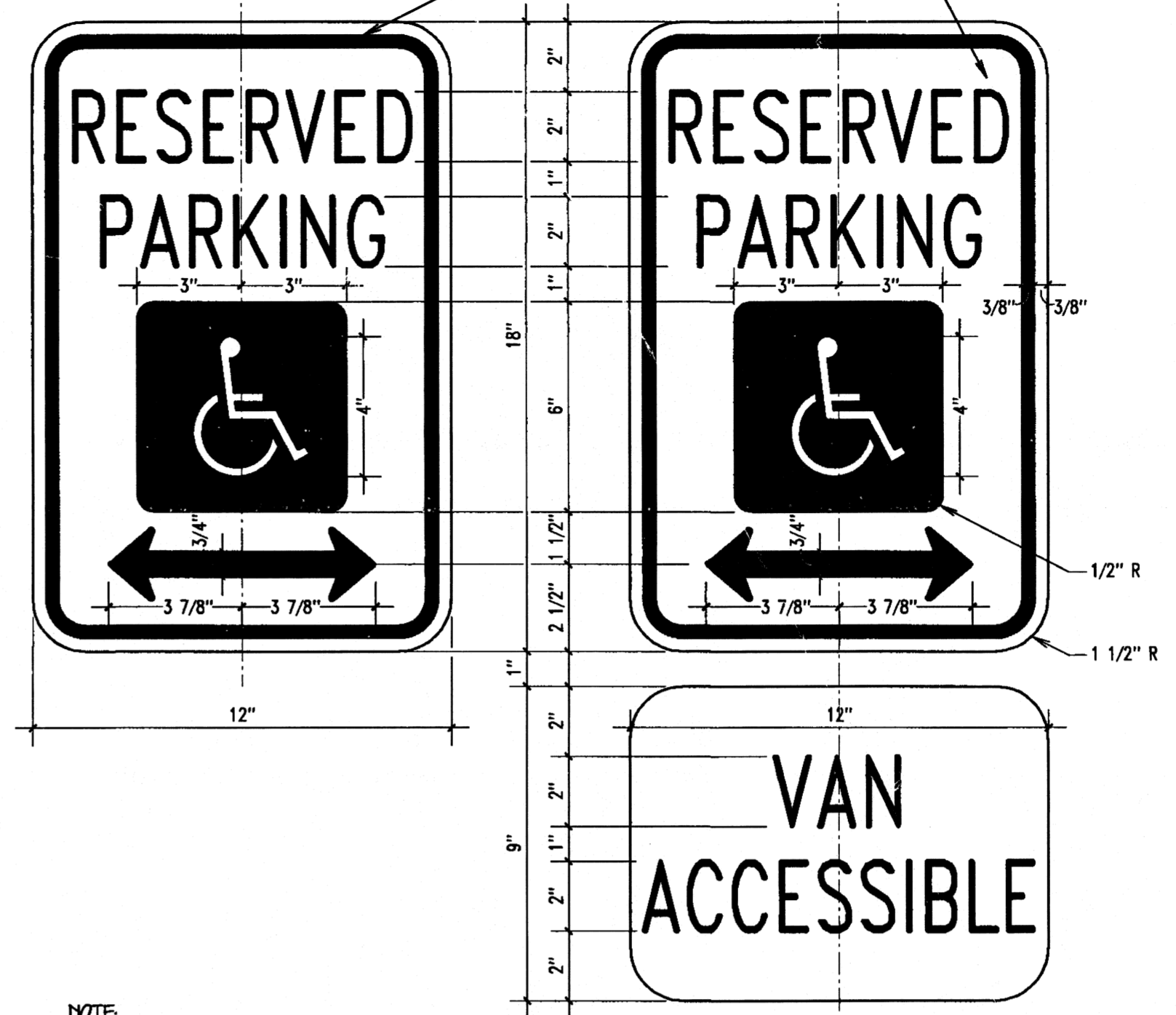


EXPANSION JT. G5
1 1/2" = 1'-0"



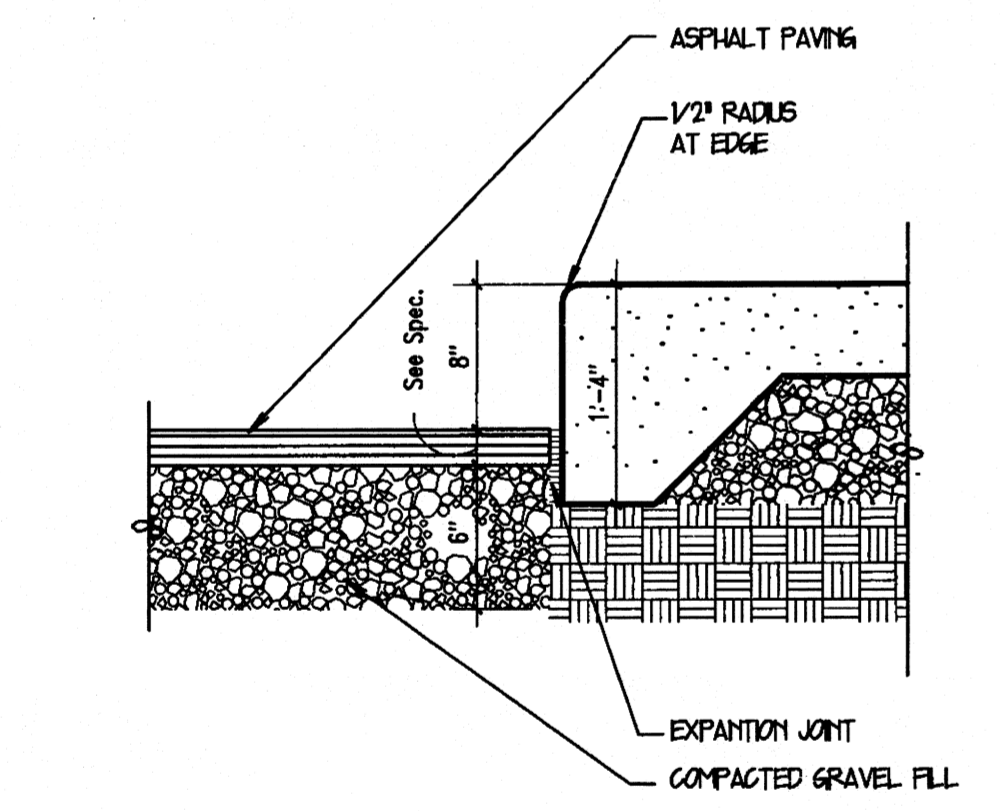
NOTE: HANDICAPPED SIGNS ARE TO BE EQUAL TO R7-8 FROM THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (STATE LEGISLATION)

HANDICAP SIGN DETAIL G7
NTS

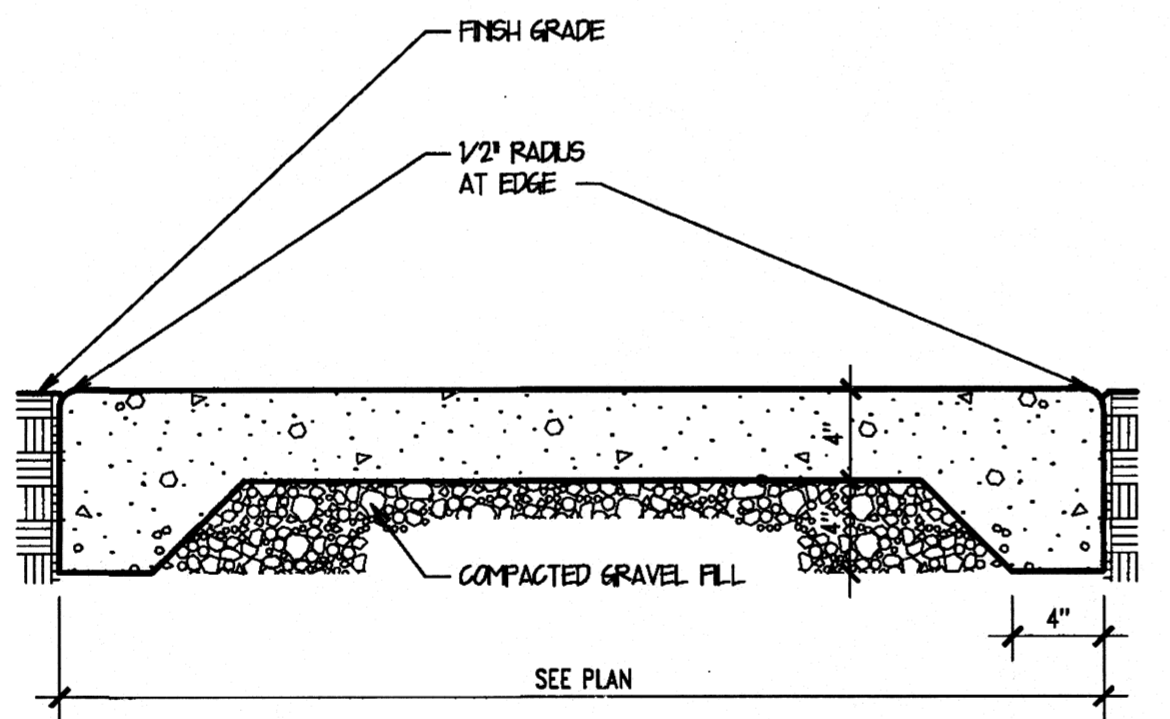


NOTE: HANDICAPPED SIGNS ARE TO BE EQUAL TO R7-8 FROM THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (STATE LEGISLATION)

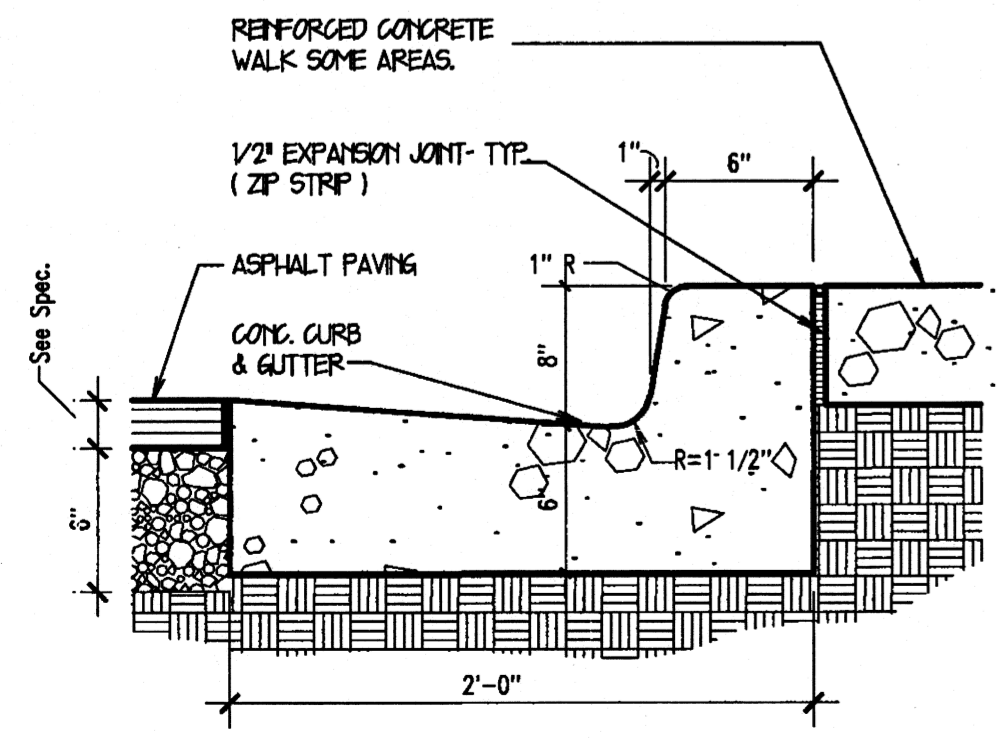
HANDICAP PARKING SIGN G10
3" = 1'-0"



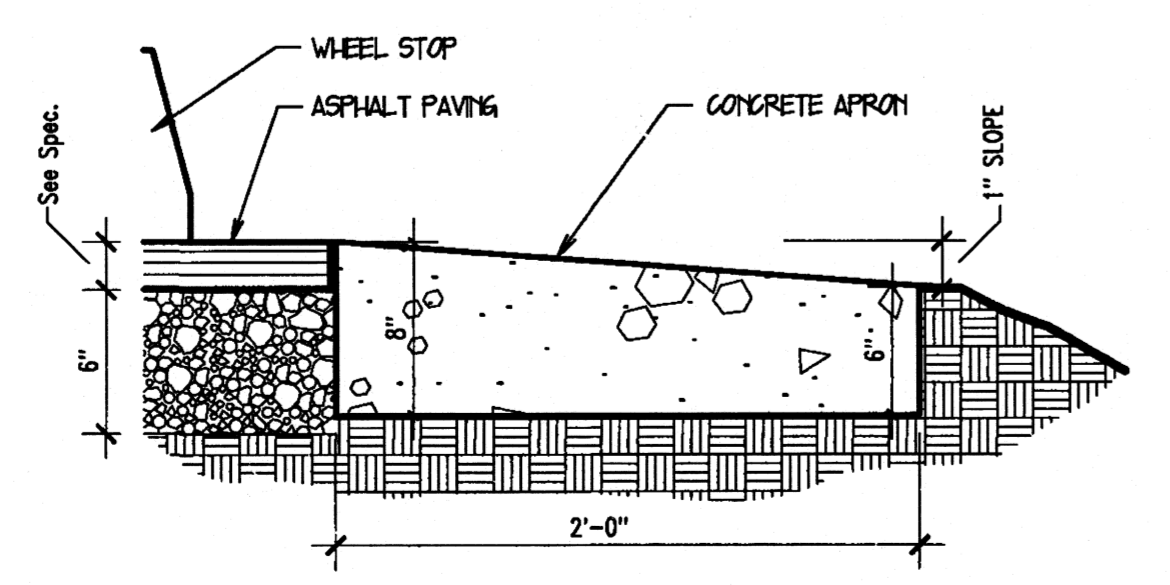
CONC. WALK EDGE DETAIL D1
1 1/2" = 1'-0"



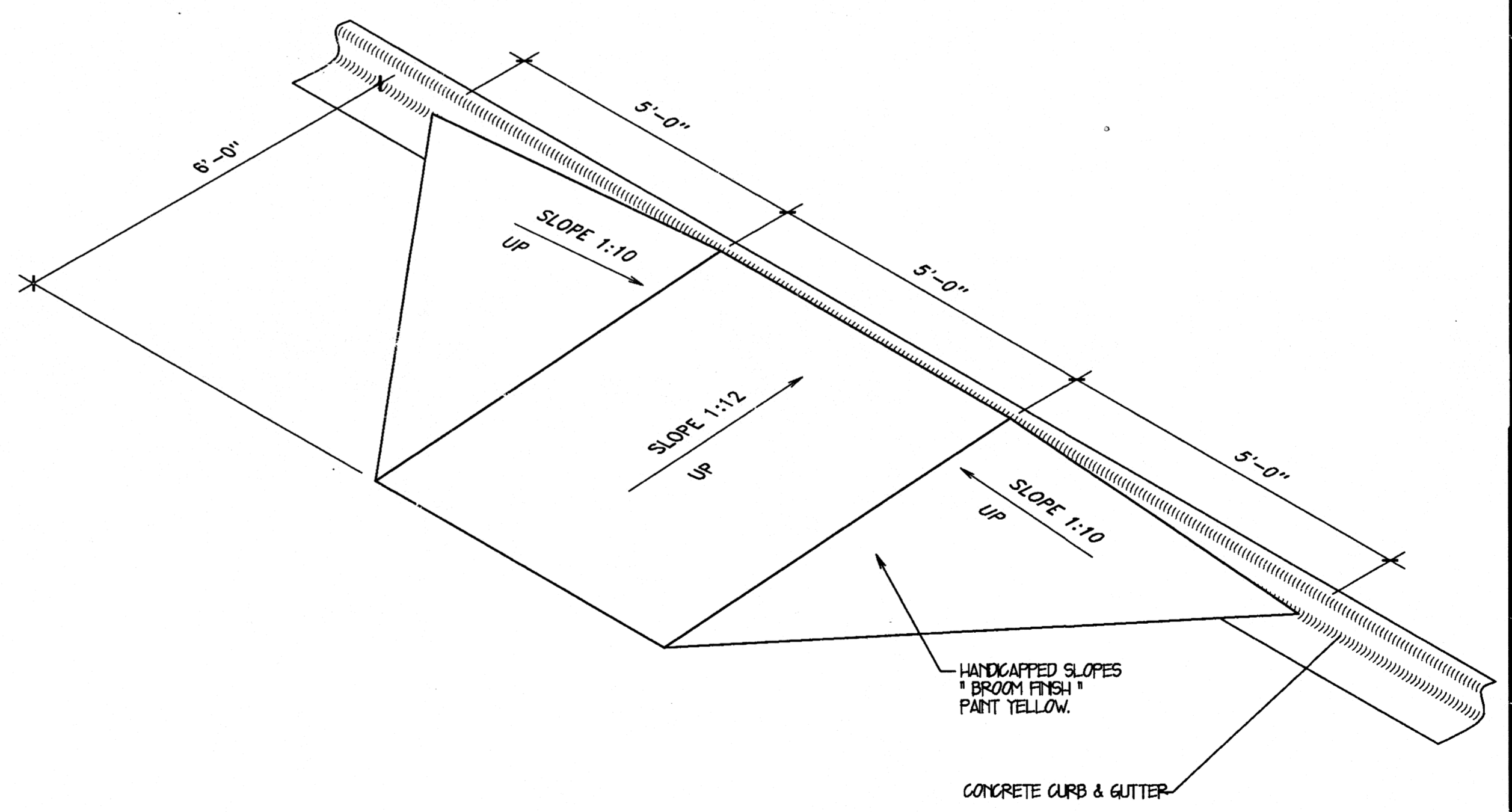
SIDEWALK DETAIL D3
1 1/2" = 1'-0"



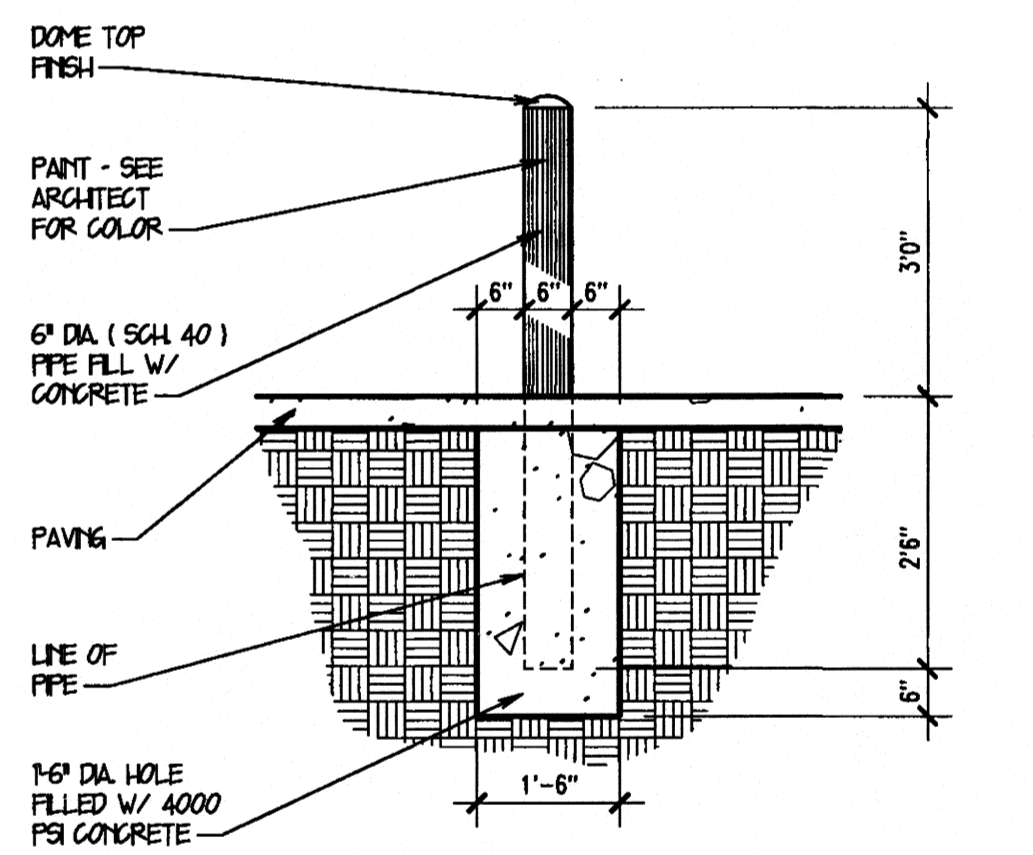
CURB DETAIL A1
1 1/2" = 1'-0"



APRON DETAIL A3
1 1/2" = 1'-0"



RAMP DETAIL A7
1/2" = 1'-0"



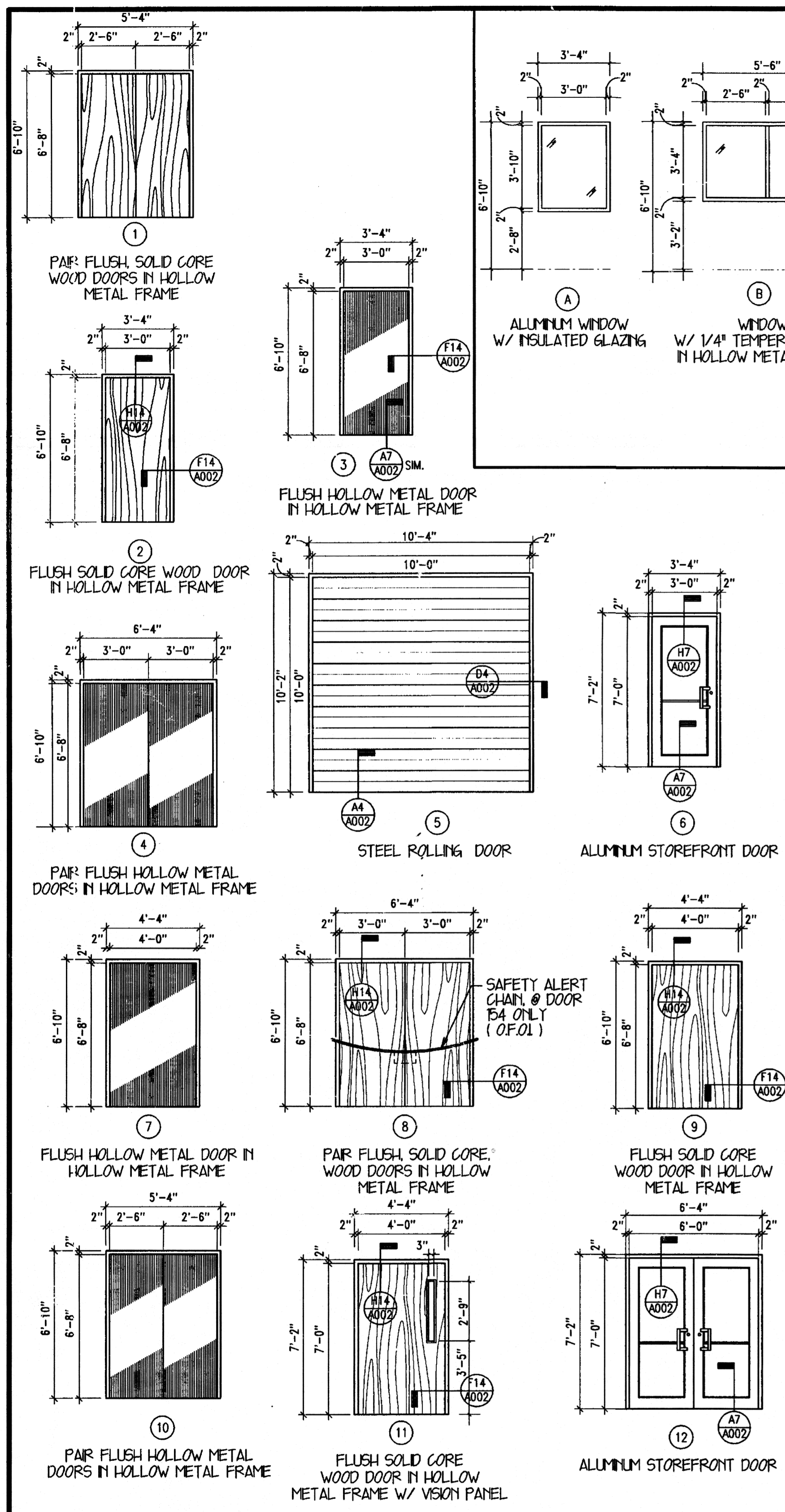
NOTE: BOLLARDS TO BE PLACED PRIOR TO FINISH PAVING

BOLLARD DETAIL D14
1/2" = 1'-0"

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	DRAWING INFO Drawing: 06-15-2000 Plot Date:	Rev. No. Rev. Date 1 6-00 2 5-25-00
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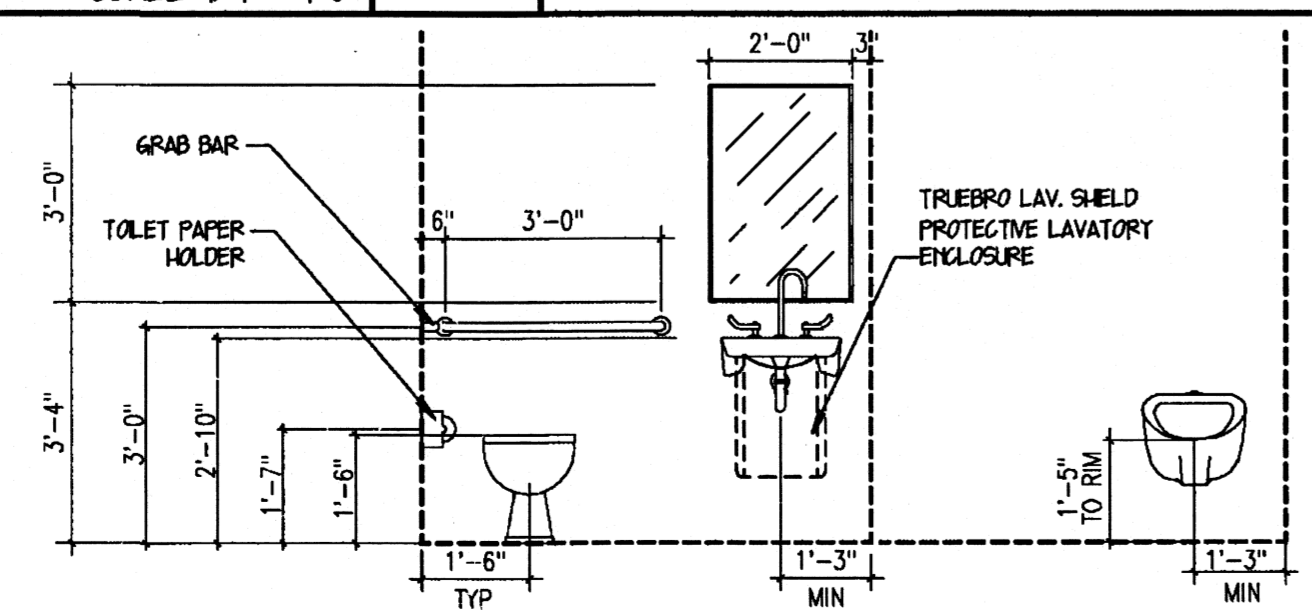


SCHEDULED DOOR AND FRAME TYPES C1
SCALE: 1/4" = 1'-0"

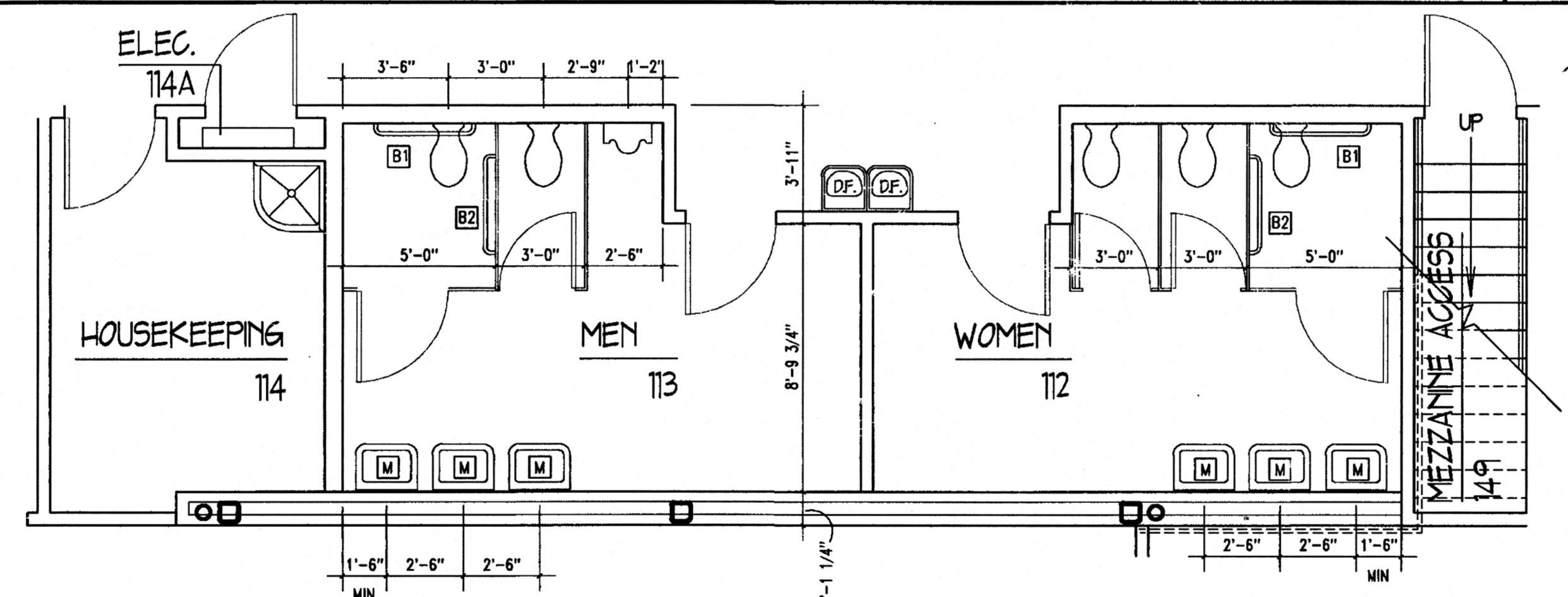
MARK	DESCRIPTION	MODEL #	REMARKS/MOUNTING
M	MIRROR	BOBRICK B290-2436	40" AFF. TO BOTTOM
B1	GRAB BAR	BOBRICK B5507 X 36	36" AFF. TO CENTERLINE
B2	GRAB BAR	BOBRICK B5507 X 42	36" AFF. TO CENTERLINE

NOTE:
TOILET PAPER DISPENSERS, PAPER TOWEL DISPENSERS,
AND SOAP DISPENSERS ARE OPTIONAL AND SHALL NOT
BE CONSIDERED AS PART OF THE CONTRACT.

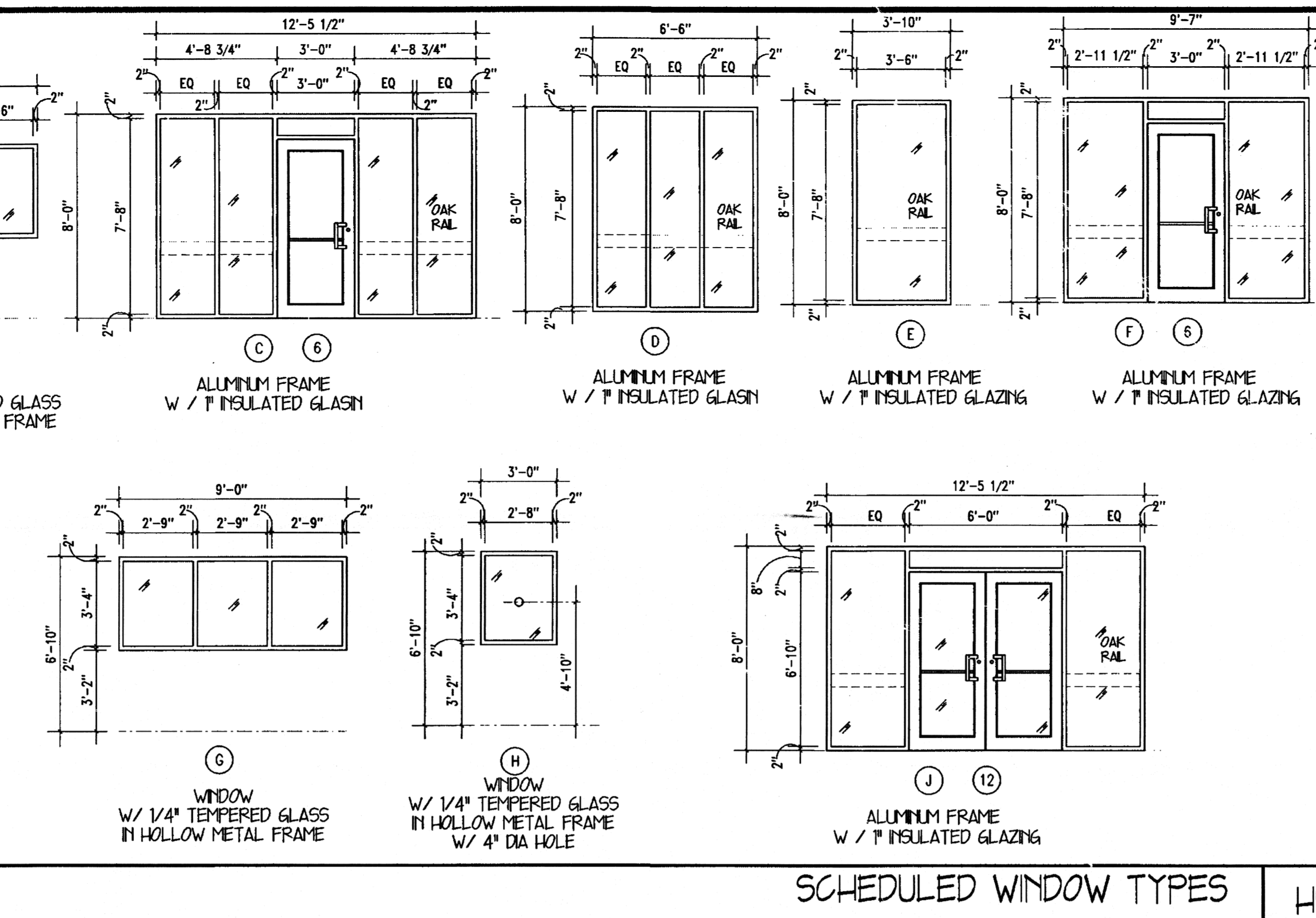
TOILET ACCESSORIES SCHEDULE A1
NO SCALE



FIXTURE MOUNTING A4
3/8" = 1'-0"



ENLARGED TOILET PLAN A7
SCALE: 1/4" = 1'-0"



SCHEDULED WINDOW TYPES H5

OPNG. NO.	LOCATION FROM - TO	FIRE RATING	DOOR TYPE	WINDOW TYPE	HARD WARE	REMARKS
1	100B-EXT	-	6	C	HW-1	
2	1A01-100B	-	6	F	HW-1	
3	1A01-101	-	2		HW-2	
4	1A01-102	-	2		HW-2	
5	1A01-103	-	2		HW-2	
6	1A01-105	-	1		HW-3	
7	1A01-104	-	2		HW-2	
8	104-104A	-	2		HW-2	
9	1A01-AW01	-	6		HW-1	
10	1A01-EXT	-	6		HW-1	
11	1B01-116	-	2		HW-2	
12	1B01-117	-	2		HW-2	
13	1B01-107	-	9		HW-2	
14	107-115	-	2		HW-2	
15	1B01-115	-	2		HW-2	
16	1B01-118	-	2		HW-2	
17	1B01-119	-	2		HW-2	
18	100C1-120	-	2		HW-2	
19	100C1-121	-	2		HW-2	
20	100C1-114	-	2		HW-5	
21	100C1-122	-	2		HW-2	
22	100C1-123	-	2		HW-2	
23	100C1-113	-	2		HW-5	
24	100C1-124	-	2		HW-2	
25	100C1-112	-	2		HW-5	
26	100C1-125	-	2		HW-2	
27	100C1-126	-	2		HW-2	
28	100C1-127	-	2		HW-2	
29	100C1-128	-	2		HW-2	
30	100C1-129	-	2		HW-5	
31	100C1-130	-	8		HW-6	
32	130B-130	-	8		HW-3	
33	131E-EXT	-	5		-	OVERHEAD DOOR
34	130A-130	90 MIN	8		HW-6	
35	100C1-131	-	9		HW-4	
36	131-131A	-	2		HW-2	
37	131A-131B	-	2		HW-5	
38	131-131C	-	2		HW-2	
39	131-131D	-	2		HW-2	
40	131-131E	-	8		HW-3	
41	131-131F	-	2		HW-2	
42	131-131F	-	2		HW-2	
43	131E-EXT	-	7		HW-7	
44	131A-131	-	-	G	-	
45	131H-EXT	-	10		HW-3	
46	1H01-137	-	7		HW-4	SPECIAL WALL THICKNESS
47	1B01-100C	90	11		HW-6	
48	1H01-138	-	2		HW-2	
49	1H01-139	-	2		HW-2	
50	130-EXT	-	4		HW-6	
51	137-137A	-	2		HW-2	SPECIAL WALL THICKNESS
52	137-FF01	-	3		HW-4	
53	1H01-140	-	2		HW-2	
54	1H01-136	-	2		HW-2	
55	136-136A	-	2		HW-2	
56	1H01-141	-	2		HW-2	
57	1H01-142	-	2		HW-2	
58	1H01-143	-	2		HW-2	
59	1H01-144	-	2		HW-2	
60	1H01-145	-	2		HW-2	
61	1H01-146	-	2		HW-2	
62	1H01-147	-	2		HW-2	
63	1A01-148	-	2		HW-2	
64	100-100A	-	2		HW-2	
65	100-106	-	2		HW-2	
66	100-107	-	9		HW-2	
67	100-108	-	2		HW-2	
68	108-107	-	2		HW-2	
69	100C1-109	-	2		HW-2	
70	100C1-110	-	2		HW-2	
71	100C1-111	-	2		HW-4	
72	111-111A	-	2		HW-2	
73	100C1-132	-	2		HW-5	
74	100C1-133	-	2		HW-5	
75	100C1-134	-	2		HW-2	
76	100C1-135	-	2		HW-4	
77	1A01-1100C	-	6		HW-1	
78	1B01-1101	-	2		HW-2	
79	1B01-1100	-	2		HW-2	
80	1107-1B01	-	2		HW-5	
81	1B01-1108	-	2		HW-5	
82	1B01-1109	-	2		HW-5	
83	1B01-1110F	-	2		HW-2	
84	1110F-1110C	-	2		HW-2	
85	1110F-1110A	-	2		HW-5	
86	1110B-EXT	-	5		-	OVERHEAD DOOR
87	1110B-EXT	-	3		HW-7	
88	1110-1110B	-	8		HW-3	
89	EXT-1110E	-	3		HW-7	
90	EXT-1110D	-	3		HW-7	
91	1110B-TCC01	-	2		HW-2	
92	TCC01-1106	-	2		HW-2	
93	TCC01-1105	-	2		HW-2	
94	TCC01-1101	-	2		HW-2	
95	TCC01-1104	-	2		HW-2	
96	1A01-1103	-	2		HW-2	
97	1A01-1102	-	2		HW-2	

OPNG. NO.	LOCATION FROM - TO	FIRE RATING	DOOR TYPE	WINDOW TYPE	HARD WARE	REMARKS
98	1A01-EXT	-	-	A	-	
99	1102-EXT	-	-	A	-	
100	1103-EXT	-	-	A	-	
101	1104-EXT	-	-	A	-	
102	1104-EXT	-	-	A	-	
103	1105-EXT	-	-	A	-	
104	1106-EXT	-	-	A	-	
105	128-EXT	-	-	A	-	
106	1310-EXT	-	-	A	-	
107	131C-EXT	-	-	A	-	
108	131A-EXT	-	-	A	-	
109	127-EXT	-	-	A	-	
110	126-EXT	-	-	A	-	
111	125-EXT	-	-	A	-	
112	124-EXT	-	-	A	-	
113	123-EXT	-	-	A	-	
114	122-EXT	-	-	A	-	
115	121-EXT	-	-	A	-	
116	120-EXT	-	-	A	-	
117	120-EXT	-	-	A	-	
118	120-EXT	-	-	A	-	
119	119-EXT	-	-	A	-	
120	118-EXT	-	-	A	-	
121	117-EXT	-	-	A	-	
122	116-EXT	-	-	A	-	
123	104A-EXT	-	-	A	-	
124	104A-EXT	-	-	A	-	
125	104A-EXT	-	-	A	-	
126	104-EXT	-	-	A	-	
127	103-EXT	-	-	A	-	
128	102-EXT	-	-	A	-	
129	101-EXT	-	-	A	-	
130	100B-EXT	-	-	D	-	
131	100B-EXT	-	-	D	-	
132	148-EXT	-	-	A	-	
133	147-EXT	-	-	A	-	
134	145-EXT	-	-	A	-	
135	143-EXT	-	-	A	-	
136	142-EXT	-	-	A	-	
137	141-EXT	-	-	A	-	
138	140-EXT	-	-	A	-	
139	139-EXT	-	-	A	-	
140	138-EXT	-	-	A	-	
141	100C-EXT	-	-	E	-	
142	100C-EXT	-	12	J	HW-1	
143	100C-EXT	-	-	E	-	
144	1102-1A01	-	-	B	-	
145	1110C-1110F	-	-	B	-	
146	150-EXT	-	3	-	HW-4	
147	150-EXT	-	5	-	-	UNINSULATED
148	130A-EXISTING	-	8	-	HW-3	UNINSULATED
149	FF01-136A	-	2	-	HW-2	
150	136-137A	-	-	H	-	SPECIAL WALL THICKNESS
151	131E-202	-	2	-	HW-2	
152	149-00001	-	2	-	HW-2	
153	114A-0001	-	2	-	HW-2	
154	202-OPEN	-	8	-	HW-10	SAFETY ALERT CHAIN - O.F.O.I.
155	1110D-1110E	-	2	-	HW-2	

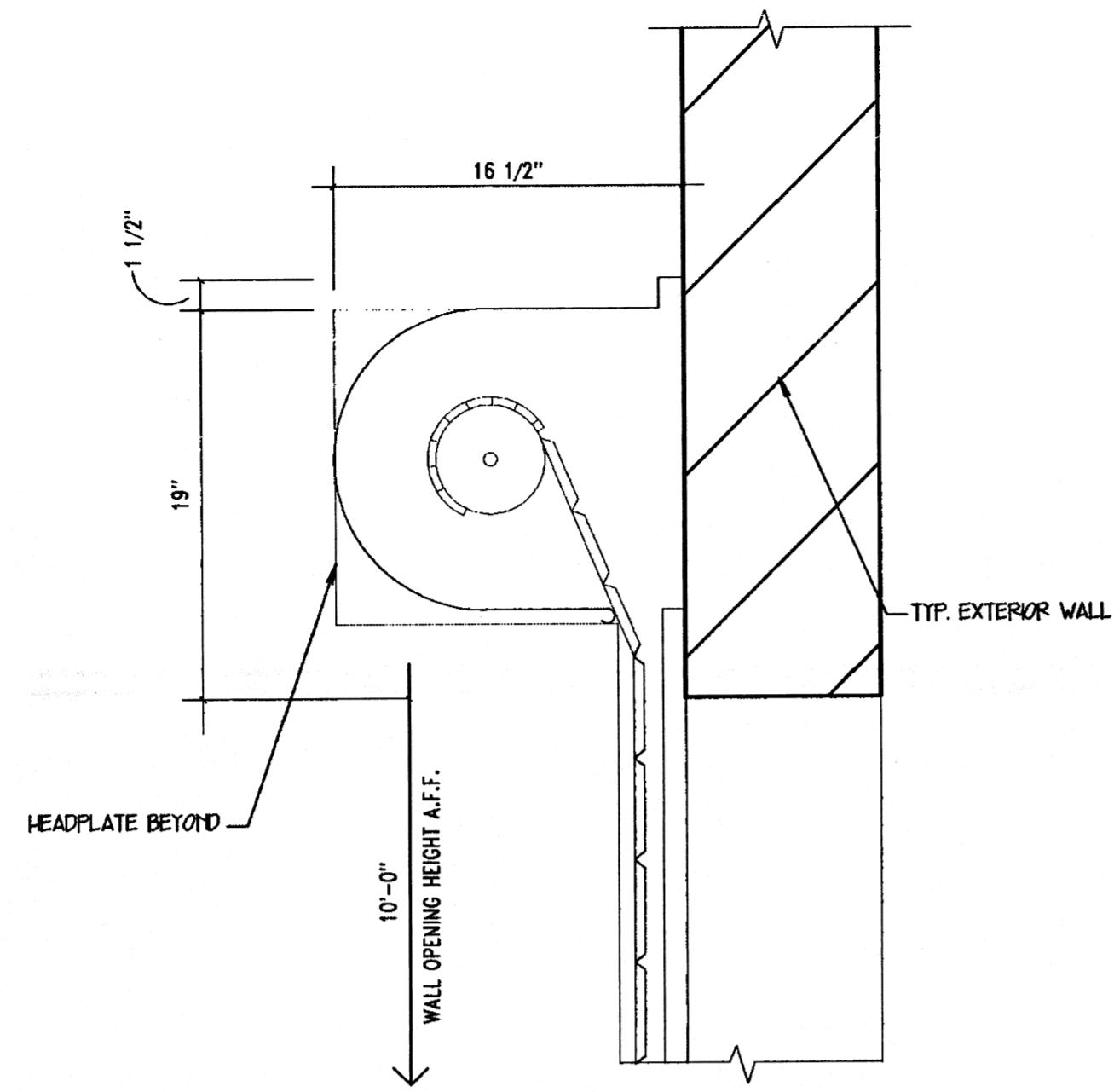
NOTE:
VERIFY FRAME THICKNESS TO FLOOR PLAN / WALL LEGEND

DOOR & WINDOW SCHEDULE D12

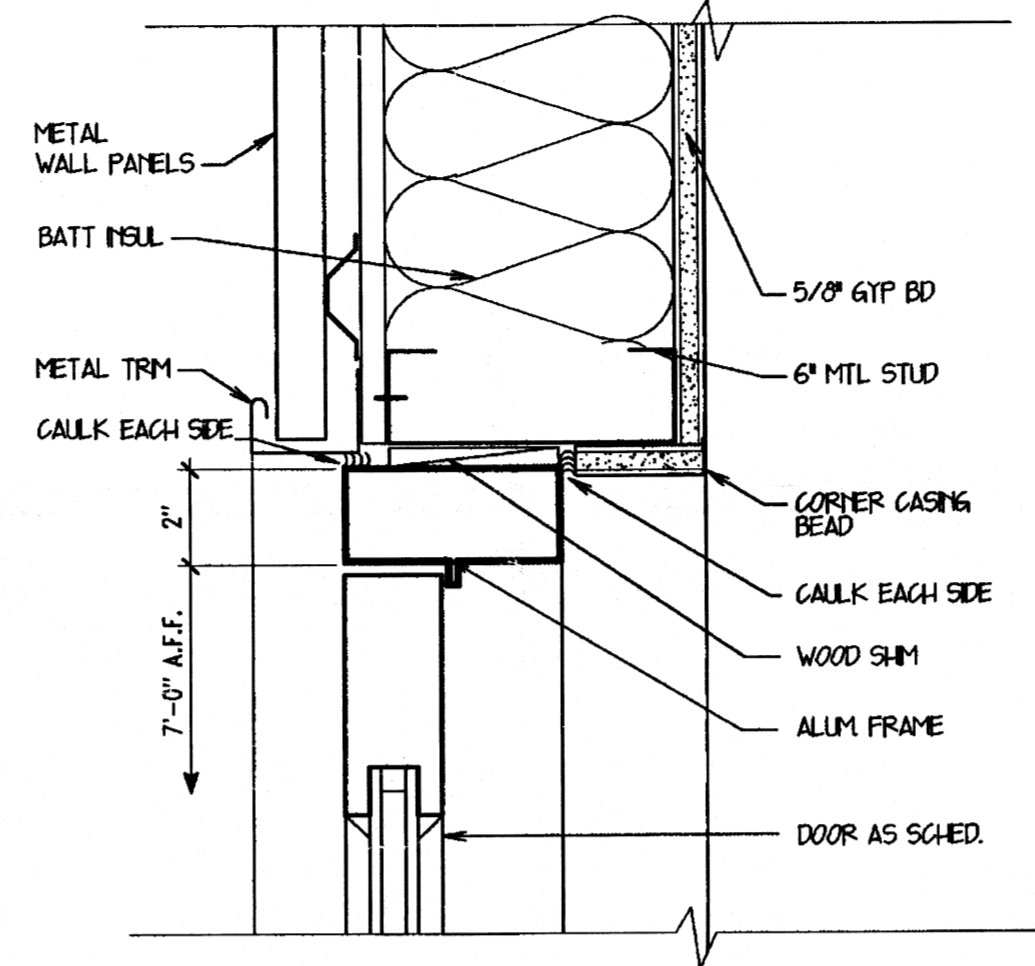
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 JONESBORO, ARKANSAS

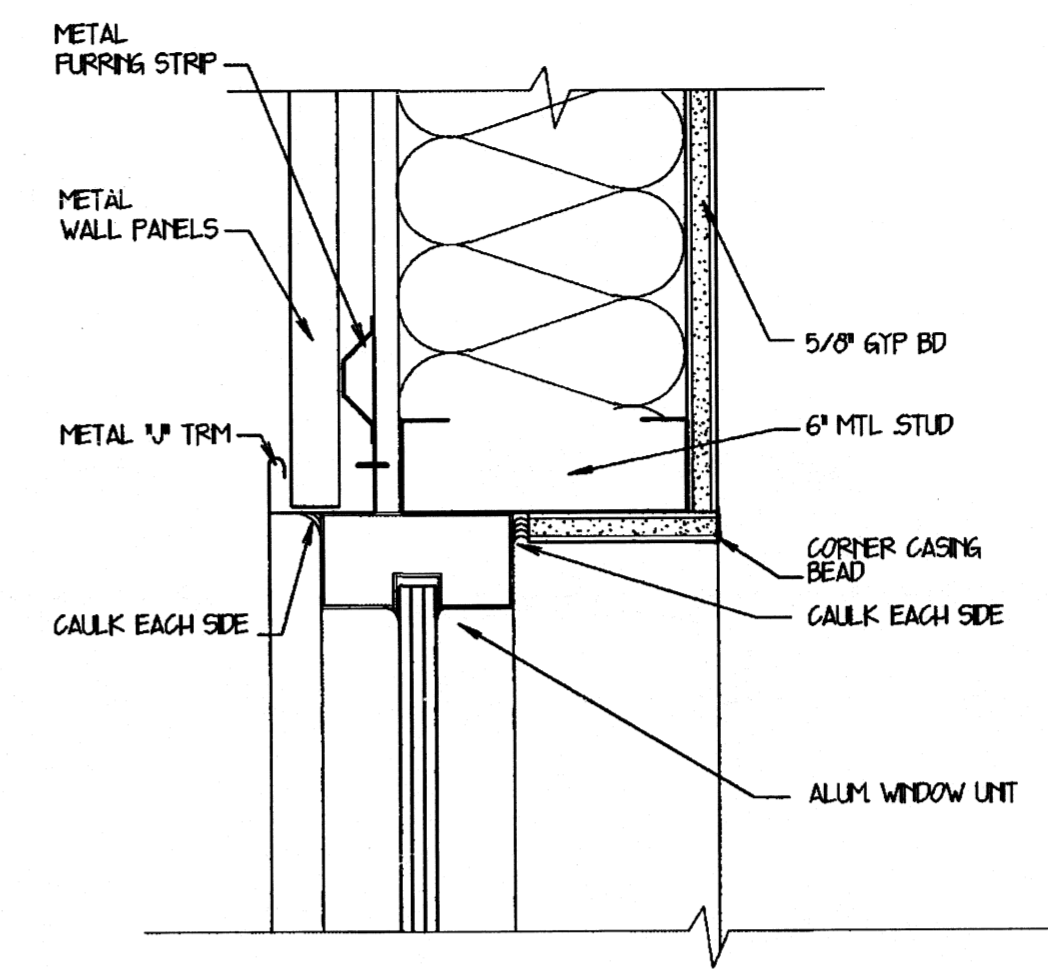
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 DRAWING INFO
 Drawing: 1
 Plot Date: 08-15-2000
 Rev. No. 1
 Rev. Date 6-6-00
 Comp. No. 1268-97
 Issue Date 5-25-00
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 Drawing No. **A001**



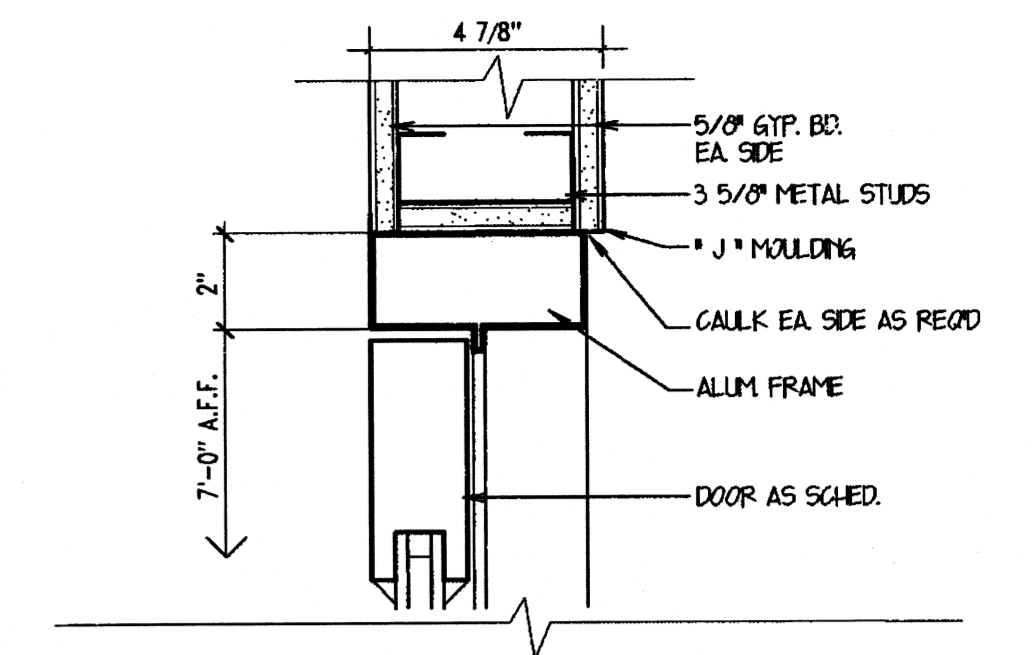
ROLLING DOOR - HEAD DETAIL
1 1/2" = 1'-0" H4



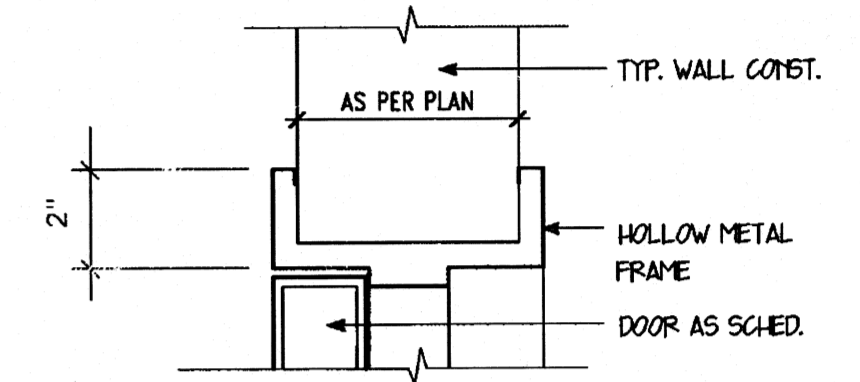
ALUM. EXT. DOOR HEAD
JAMB SIMLAR 3" = 1'-0" H7



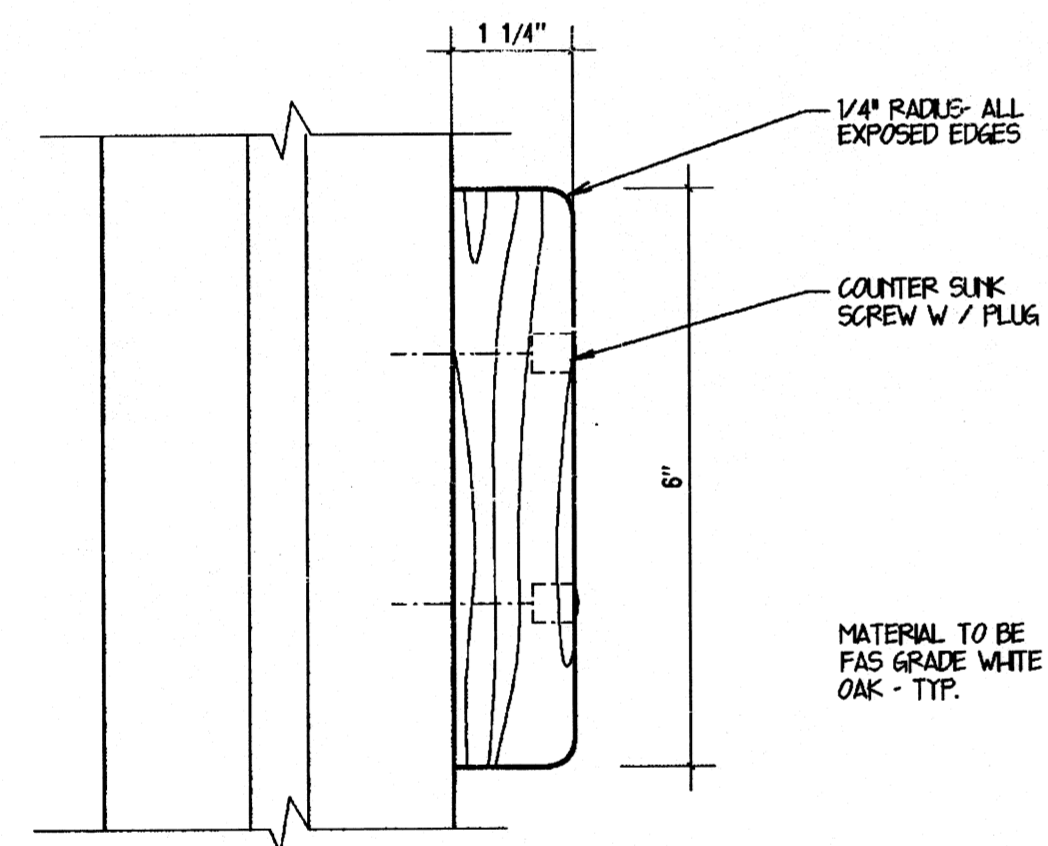
ALUM. EXT. WINDOW HEAD
3" = 1'-0" H11



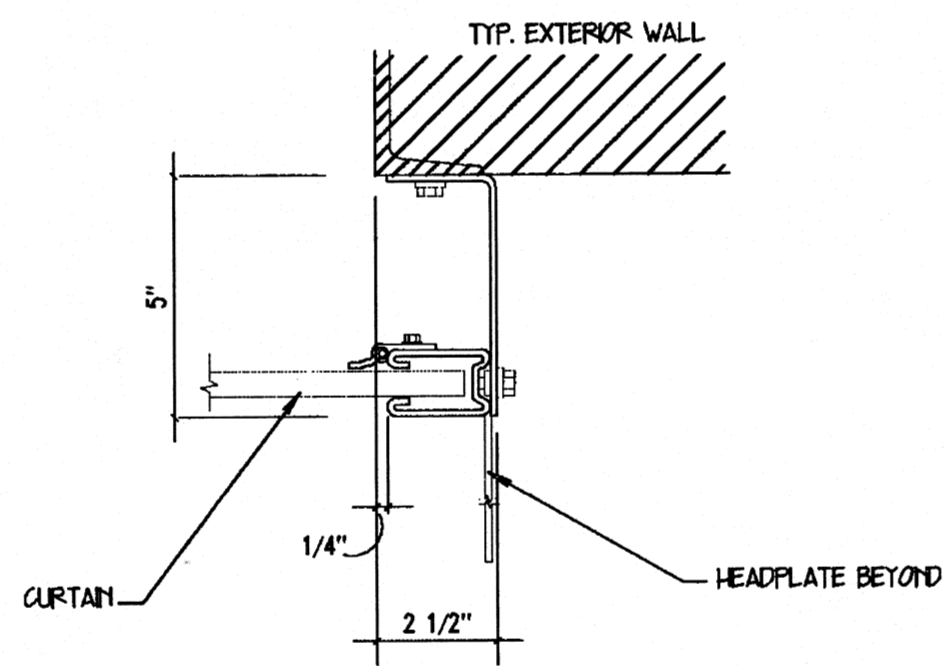
ALUM. INT. DR HEAD
JAMB SIMLAR 3" = 1'-0" J14



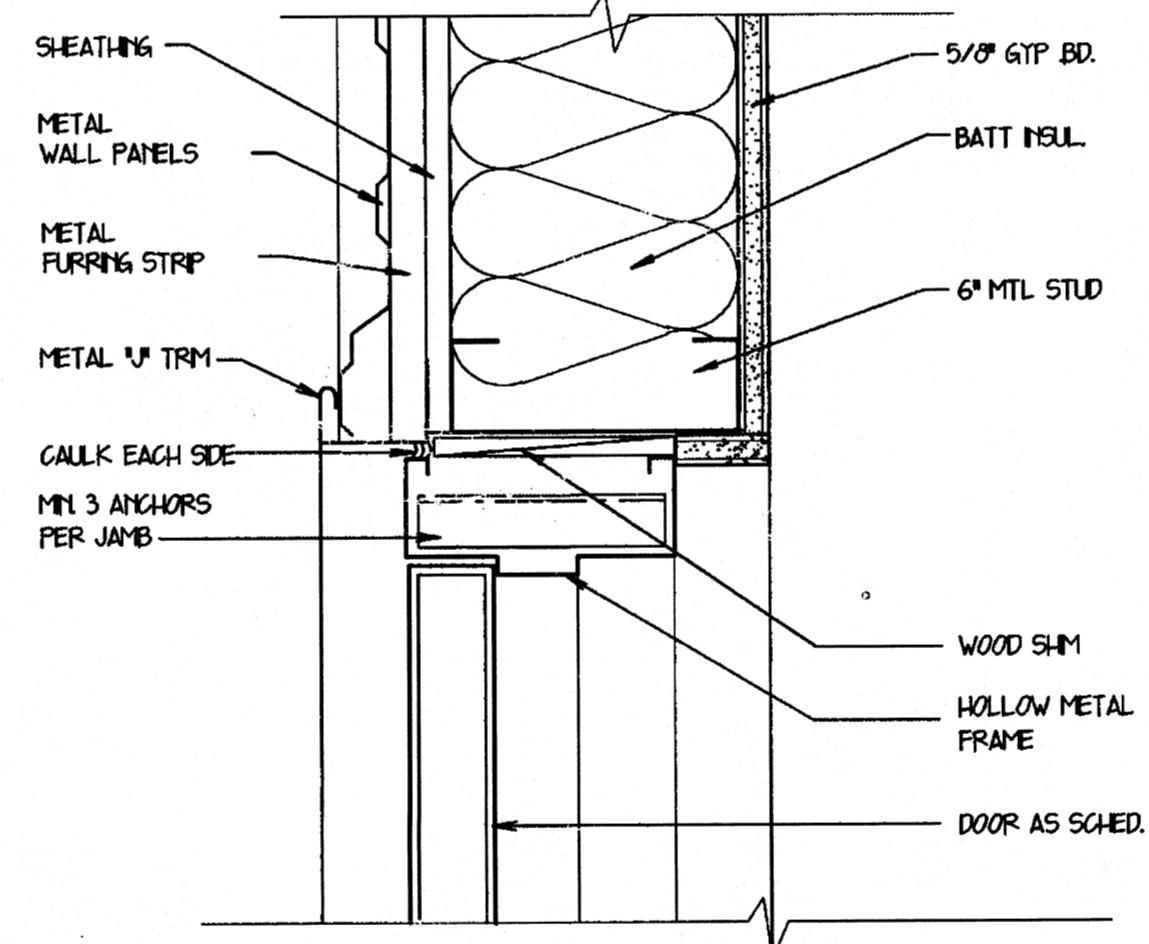
HMF INT. DR HEAD
3" = 1'-0" H14



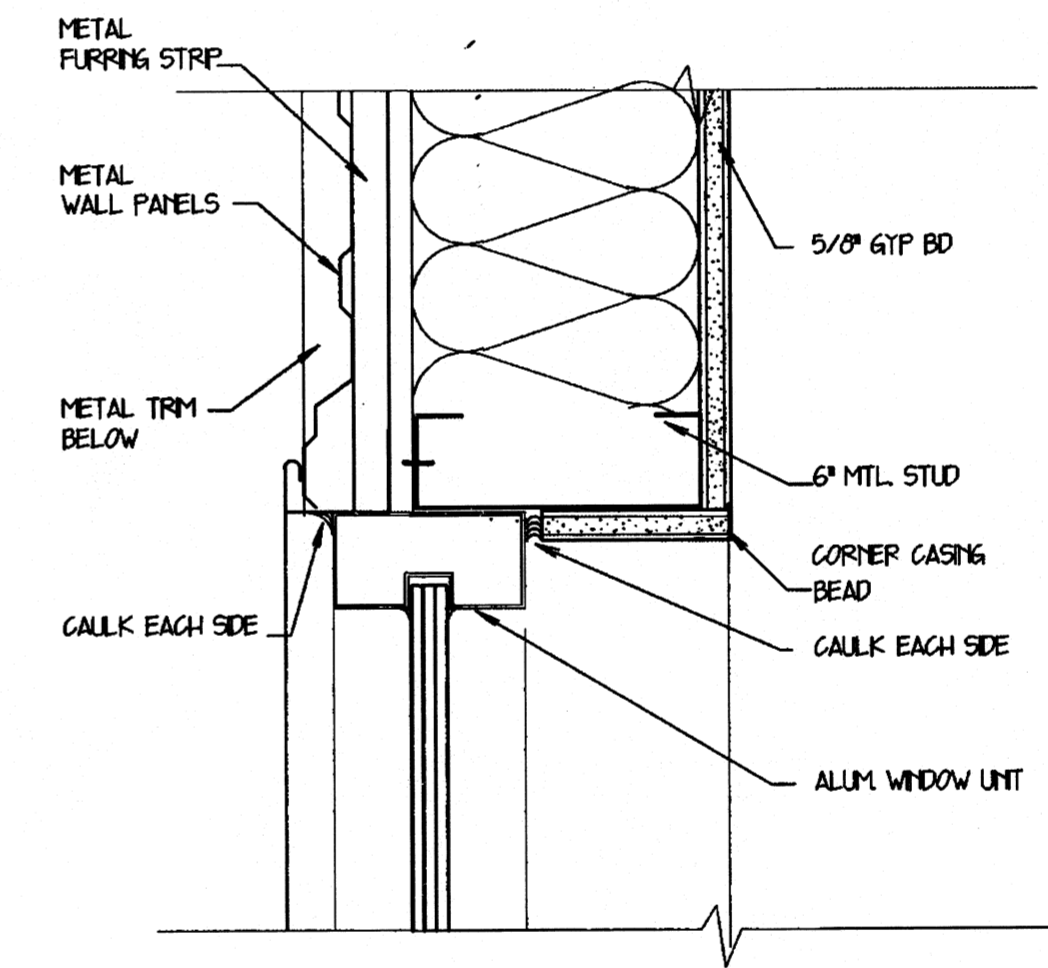
WINDOW RAIL DETAIL
HALF SCALE D1



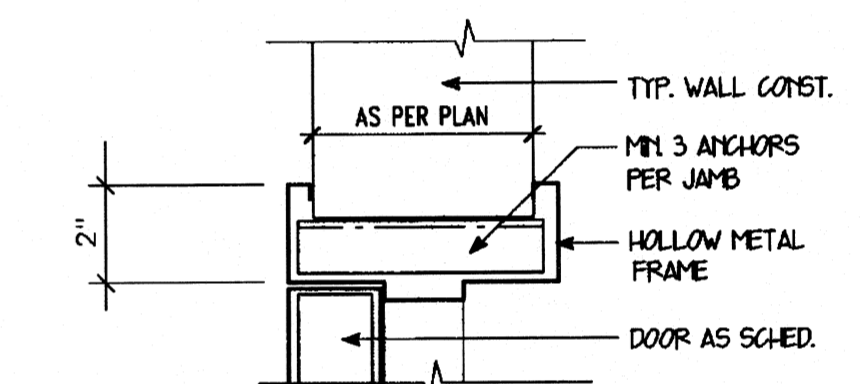
ROLLING DOOR - JAMB DETAIL
3/4" = 1'-0" D4



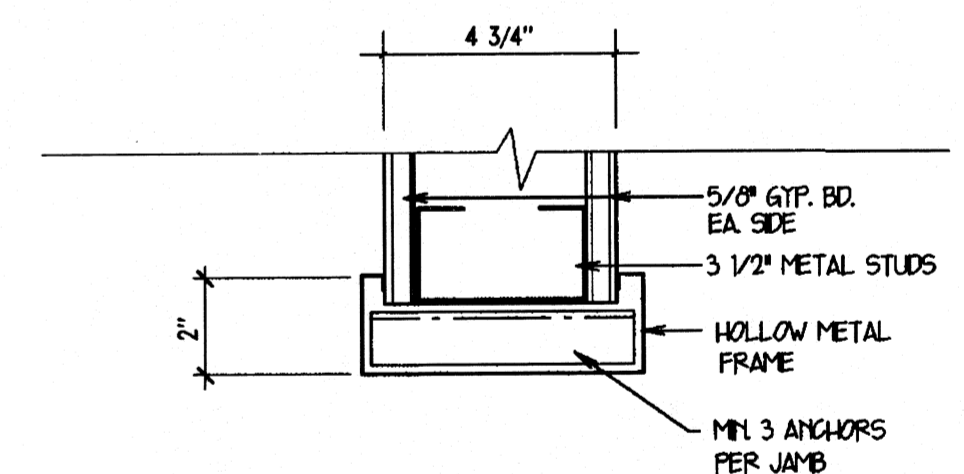
HMF EXT. DOOR JAMB
HEAD SIMLAR 3" = 1'-0" D7



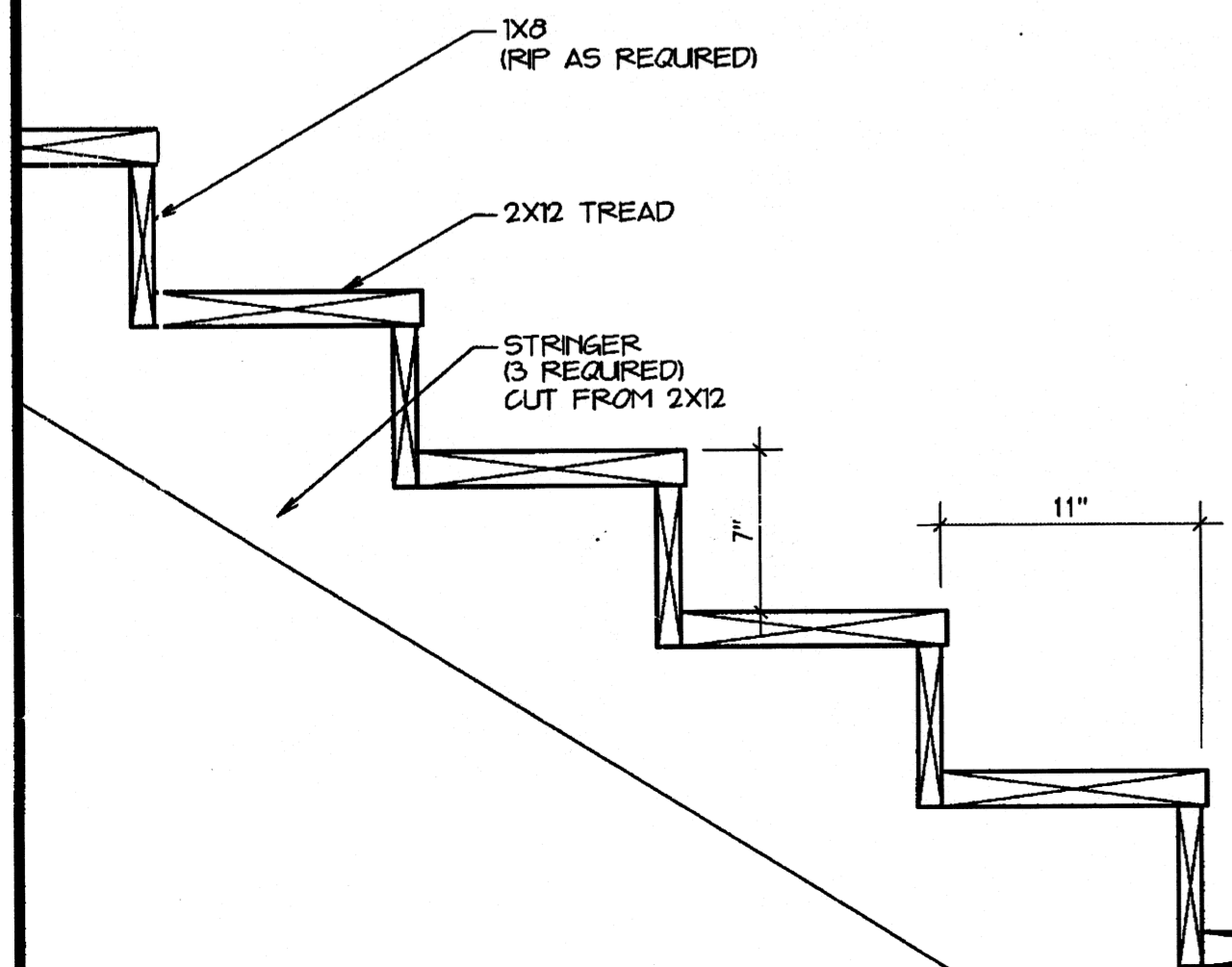
ALUM. EXT. WINDOW JAMB
3" = 1'-0" D11



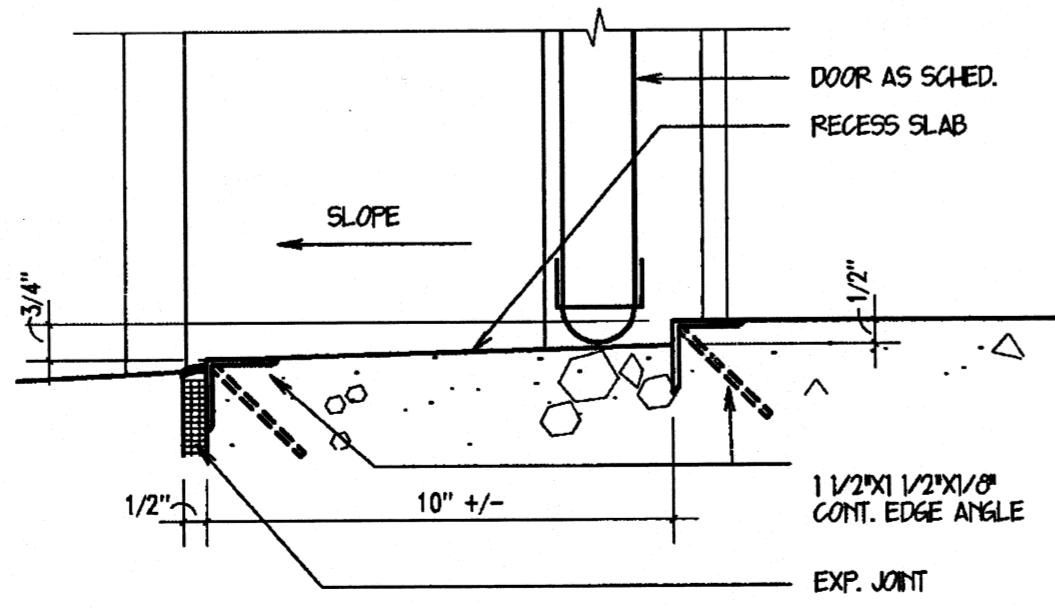
HMF INT. DR JAMB
3" = 1'-0" F14



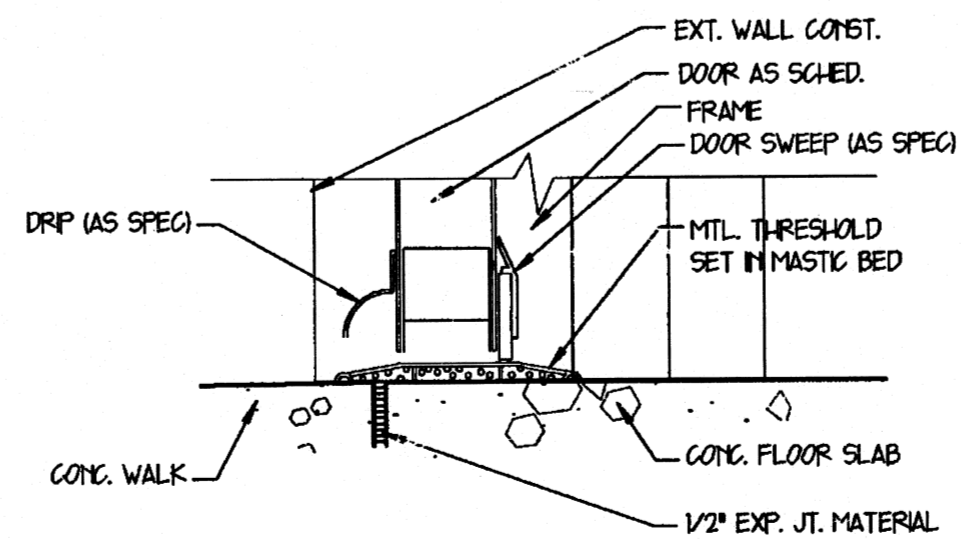
HMF CASED OPENING JAMB
HEAD SIMLAR 3" = 1'-0" D14



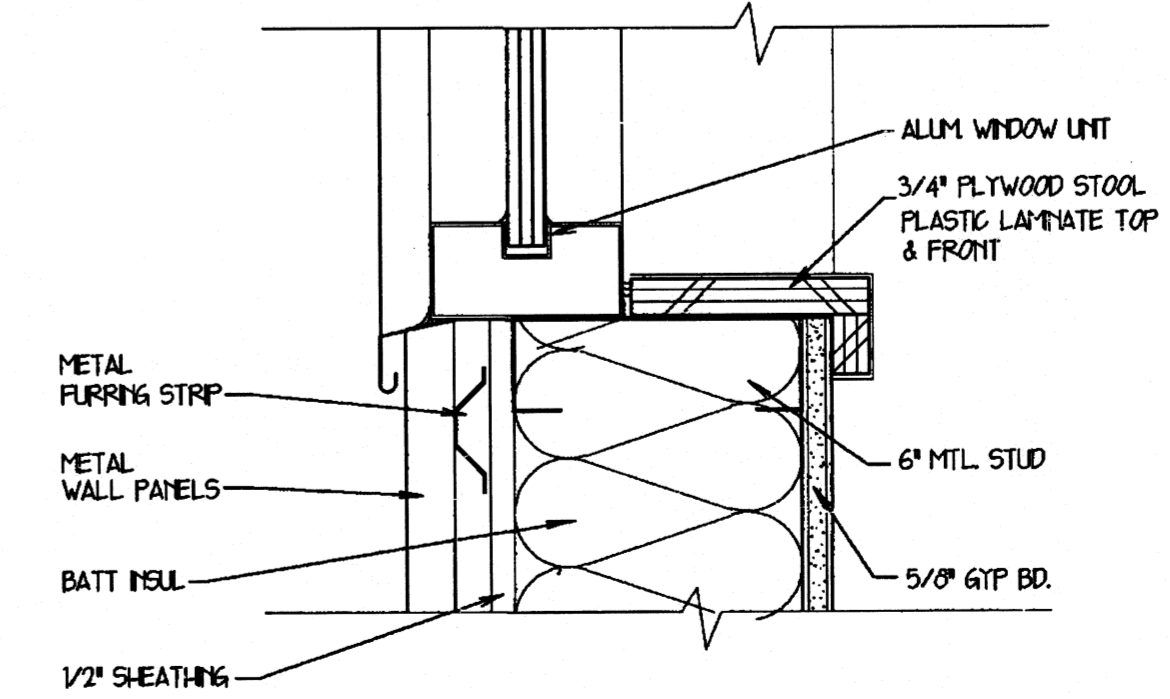
TREAD & RISER DETAIL
1 1/2" = 1'-0" A1



ROLLING DOOR - SILL DETAIL
3/4" = 1'-0" A4



DOOR SILL DETAIL
3" = 1'-0" A7

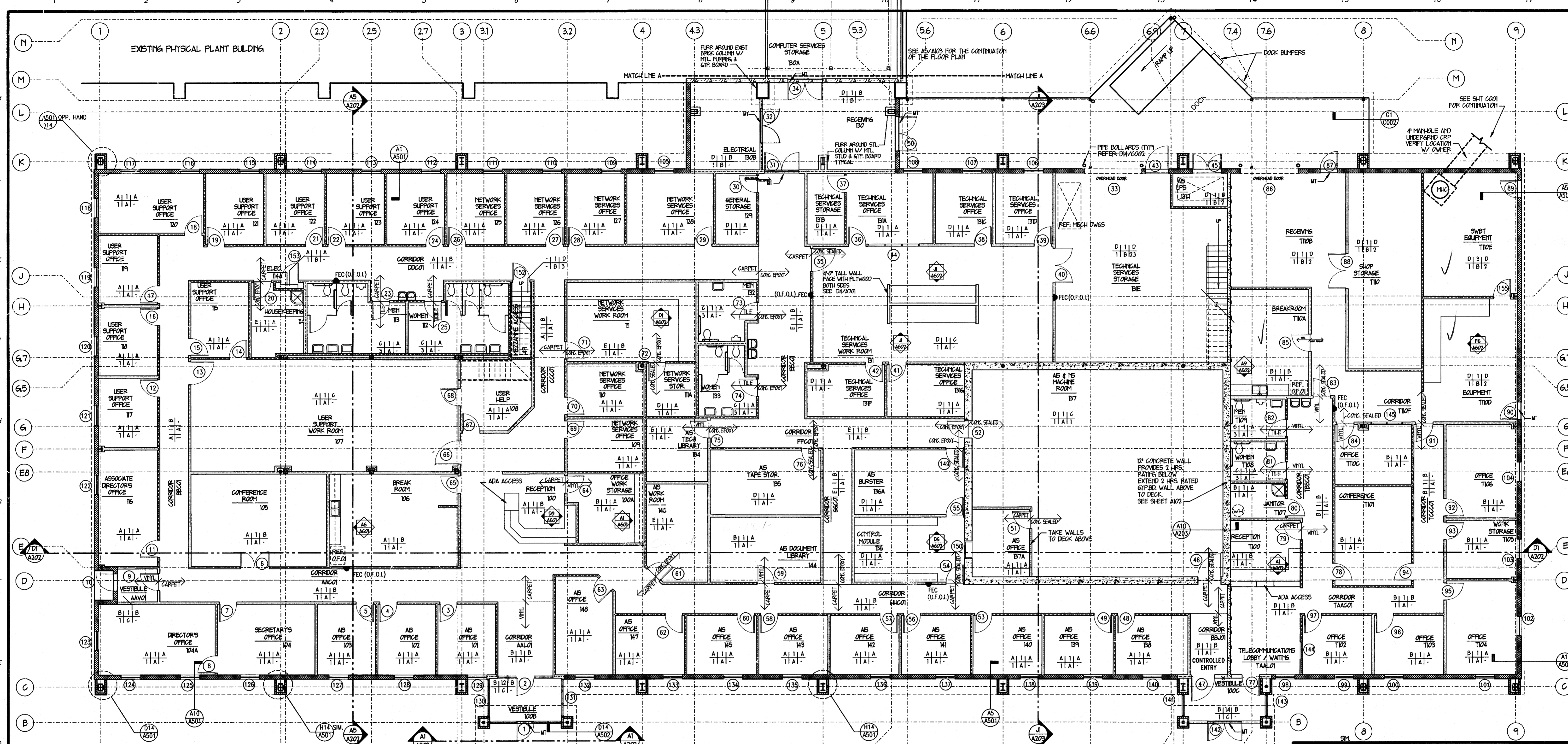


ALUM. EXT. WINDOW SILL
3" = 1'-0" A11

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A002



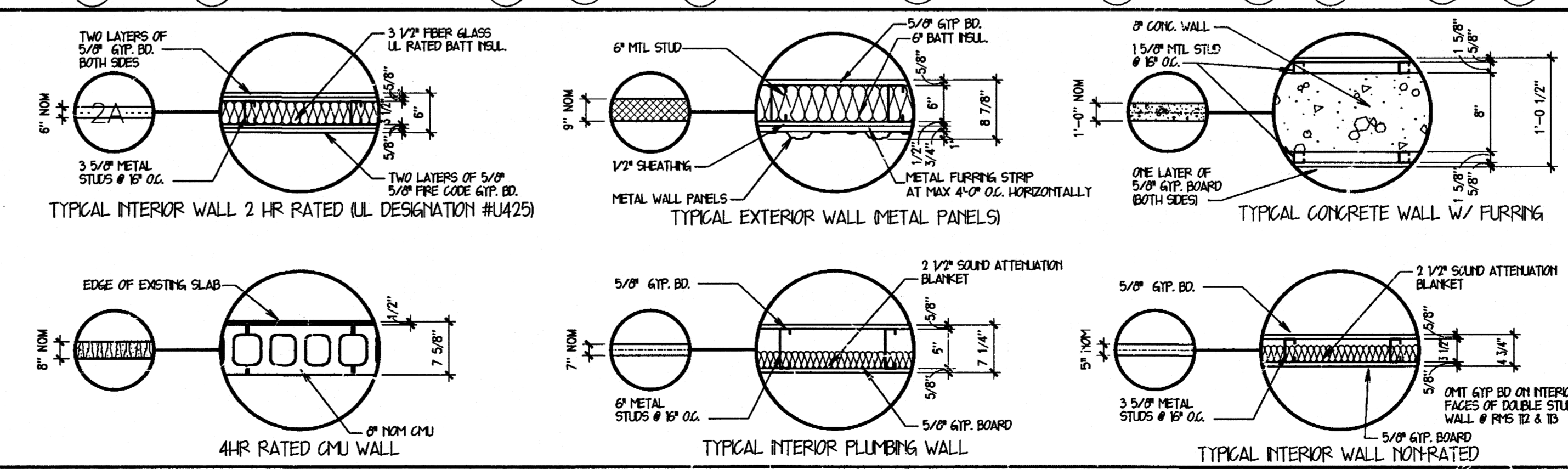
FLOOR PLAN
1/8" = 1'-0"

A1

ROOM FINISH SCHED.
NO SCALE

A4

FLOOR	WALLS	CEILING HEIGHT
A. CARPET	1. GIP. BD. W/PAIN	A. 8'-0"
B. VINYL TILE	2. STOREFRONT	B. 9'-0"
C. CERAMIC GRANULAR	3. PLYWOOD - PT	C. 9'-6"
D. CONC./SEALED	4. EXPOSED STRUCTURE	D. OPEN TO STRUCTURE
E. CONC./EPOXY		
BASE	CEILING	MISC.
1. RUBBER COVE	A. 2" X 4" SUSPENDED	1. CEILING GRID ONLY -
2. POURED CERAMIC	ACOUSTICAL TILE	NO TILE
3. 4" INTEGRAL CERAMIC	B. OPEN TO STRUCTURE	2. TAKE WALLS TO
GRANULAR	C. GIP. BOARD	UNERSIDE OF ROOF &
		SEAL
		3. UNFINISHED TREADS &
		REERS



WALL LEGEND
NO SCALE

A7

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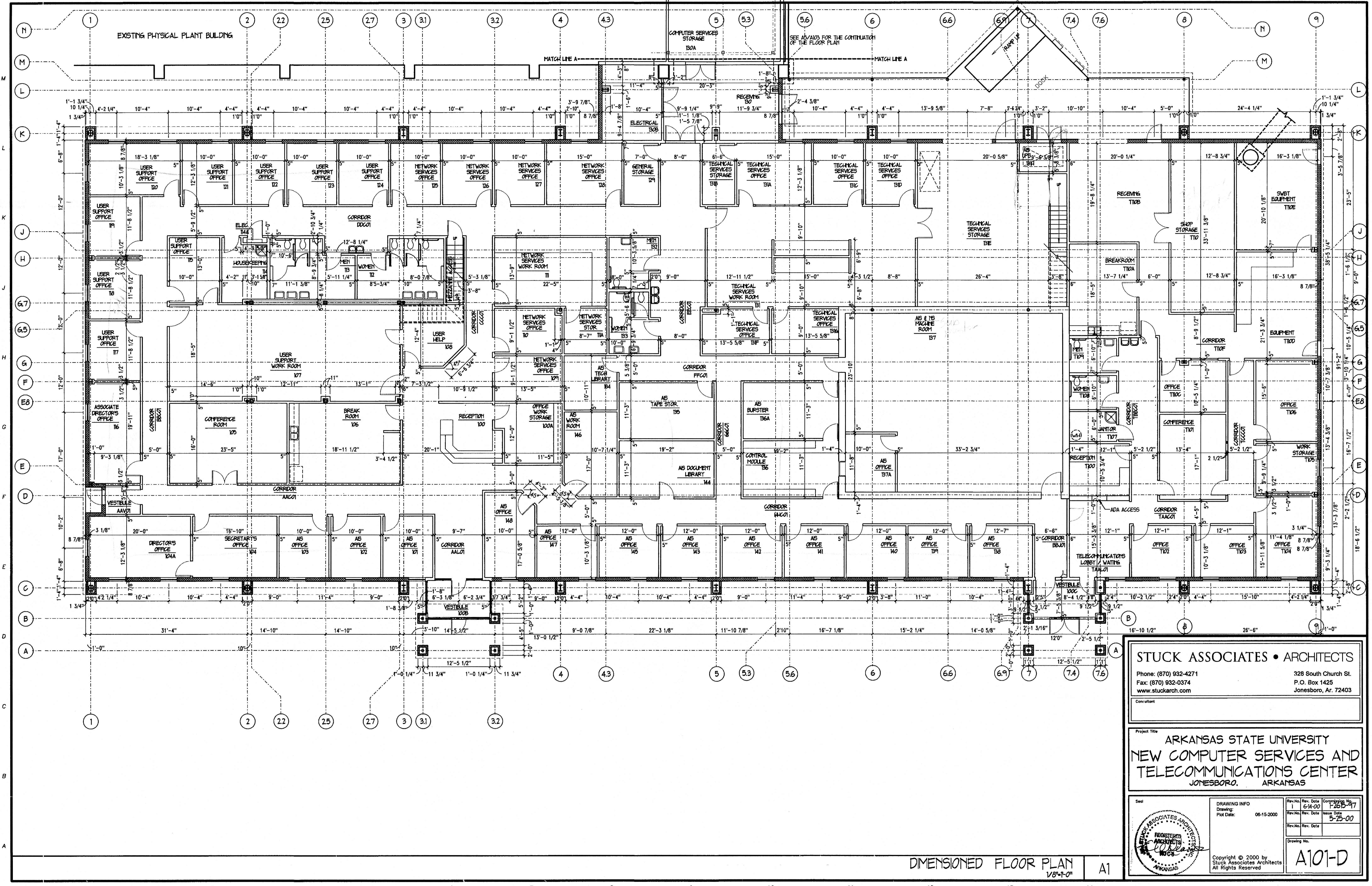
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Seal: _____
 Drawing No. **A101**

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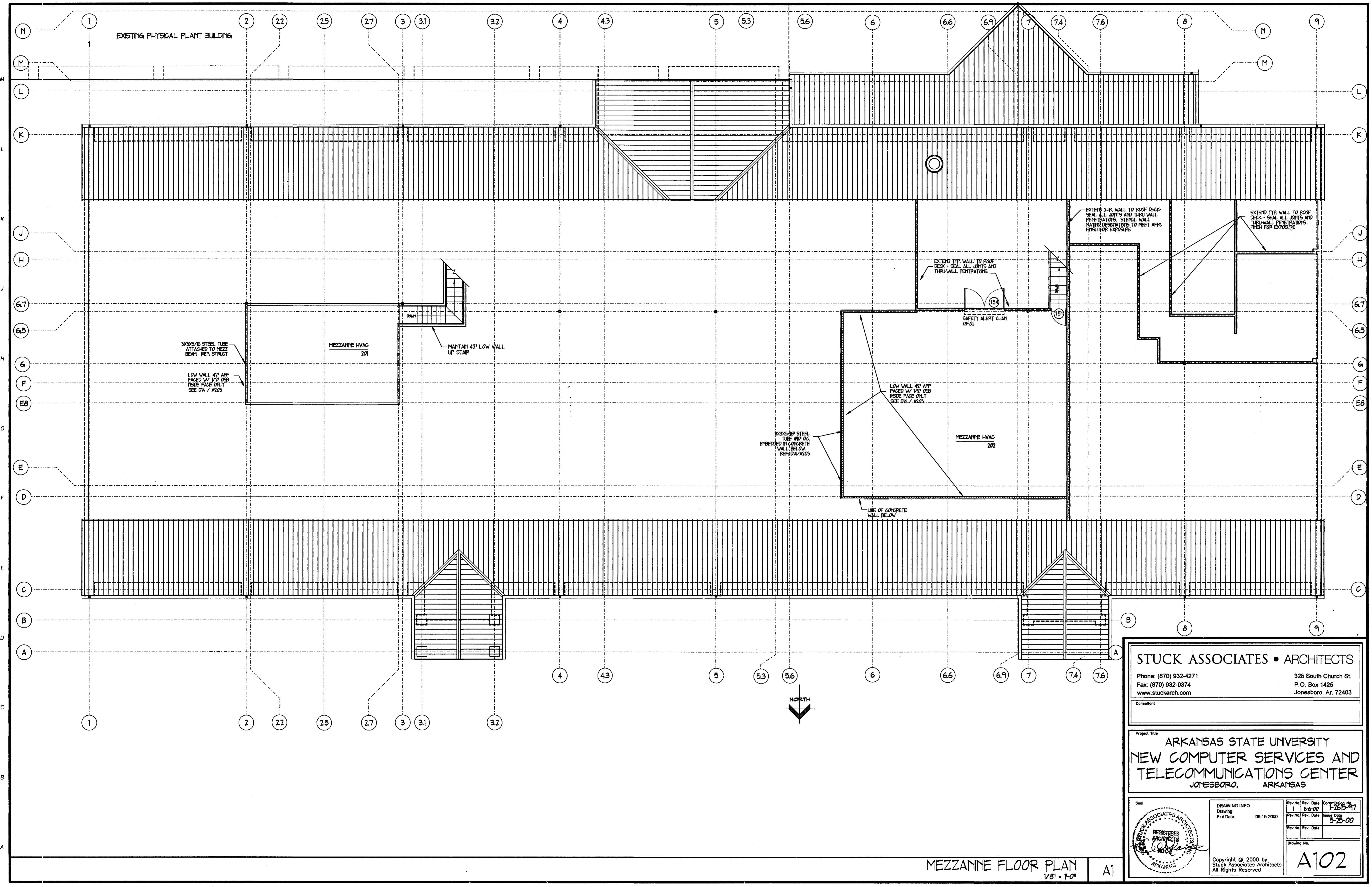
DIMENSIONED FLOOR PLAN
1/8"=1'-0" A1

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1	6-6-00	1-265-97
2	5-25-00	

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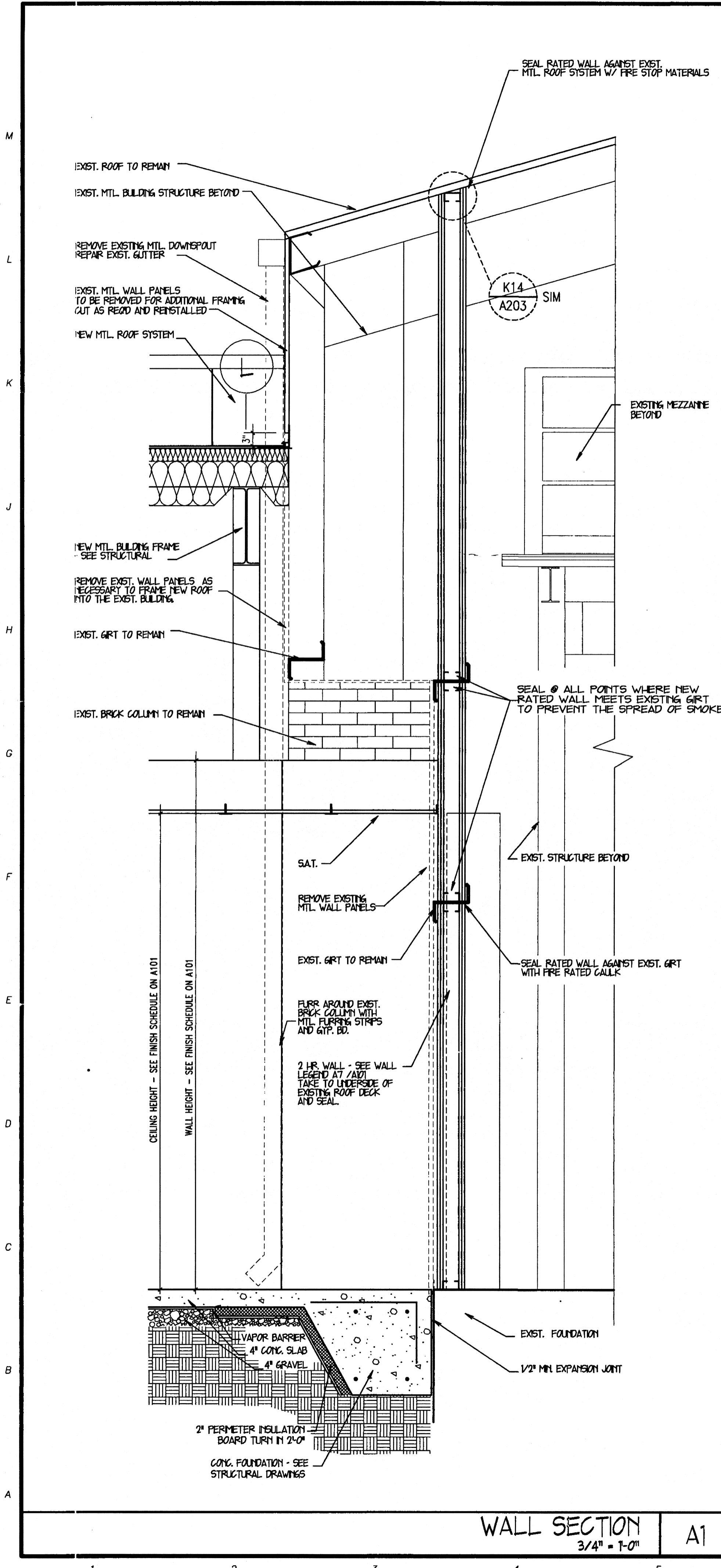
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 Plot Date:

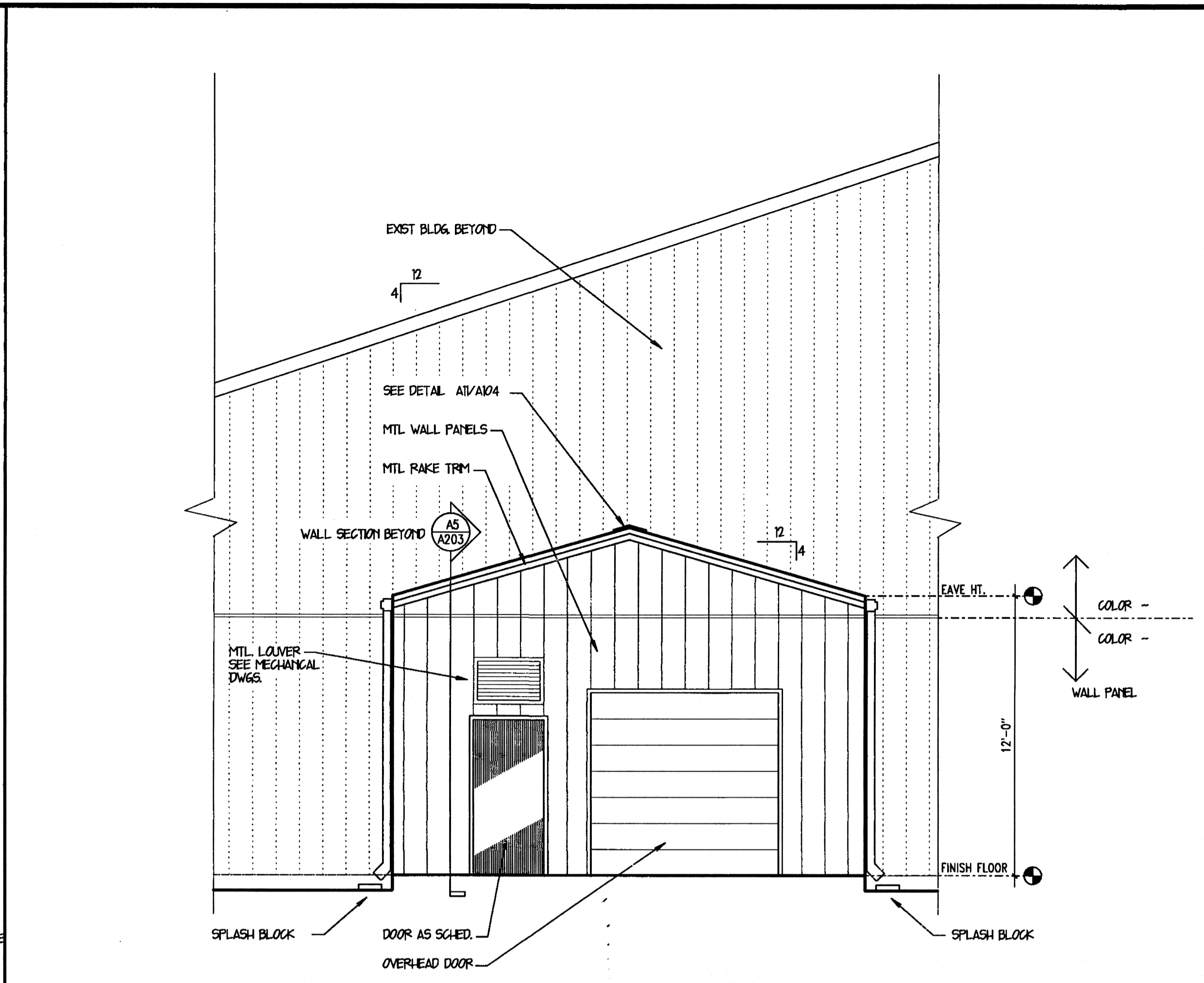
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Drawing No. **A102**

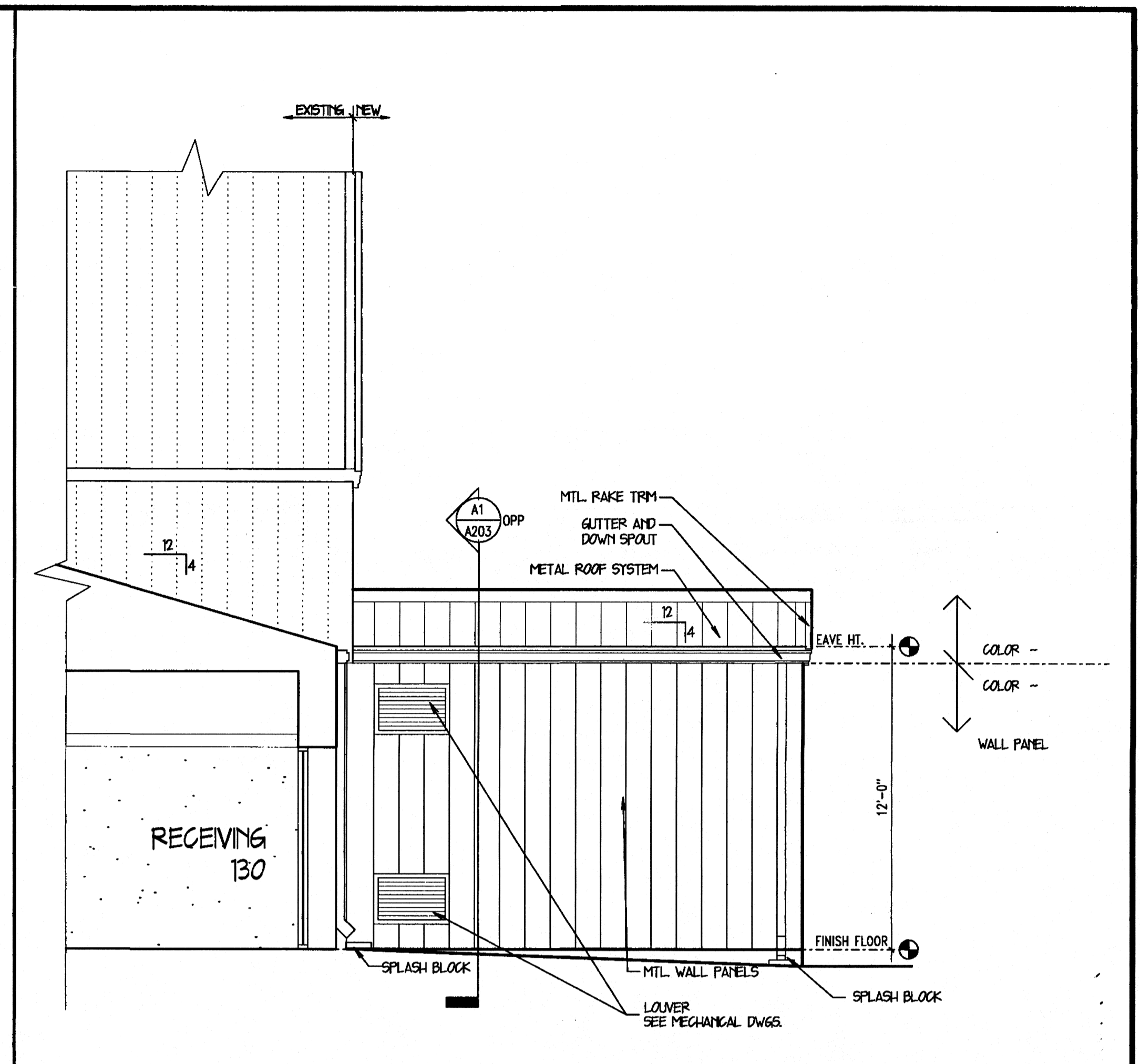
MEZZANINE FLOOR PLAN
 1/8" = 1'-0" A1



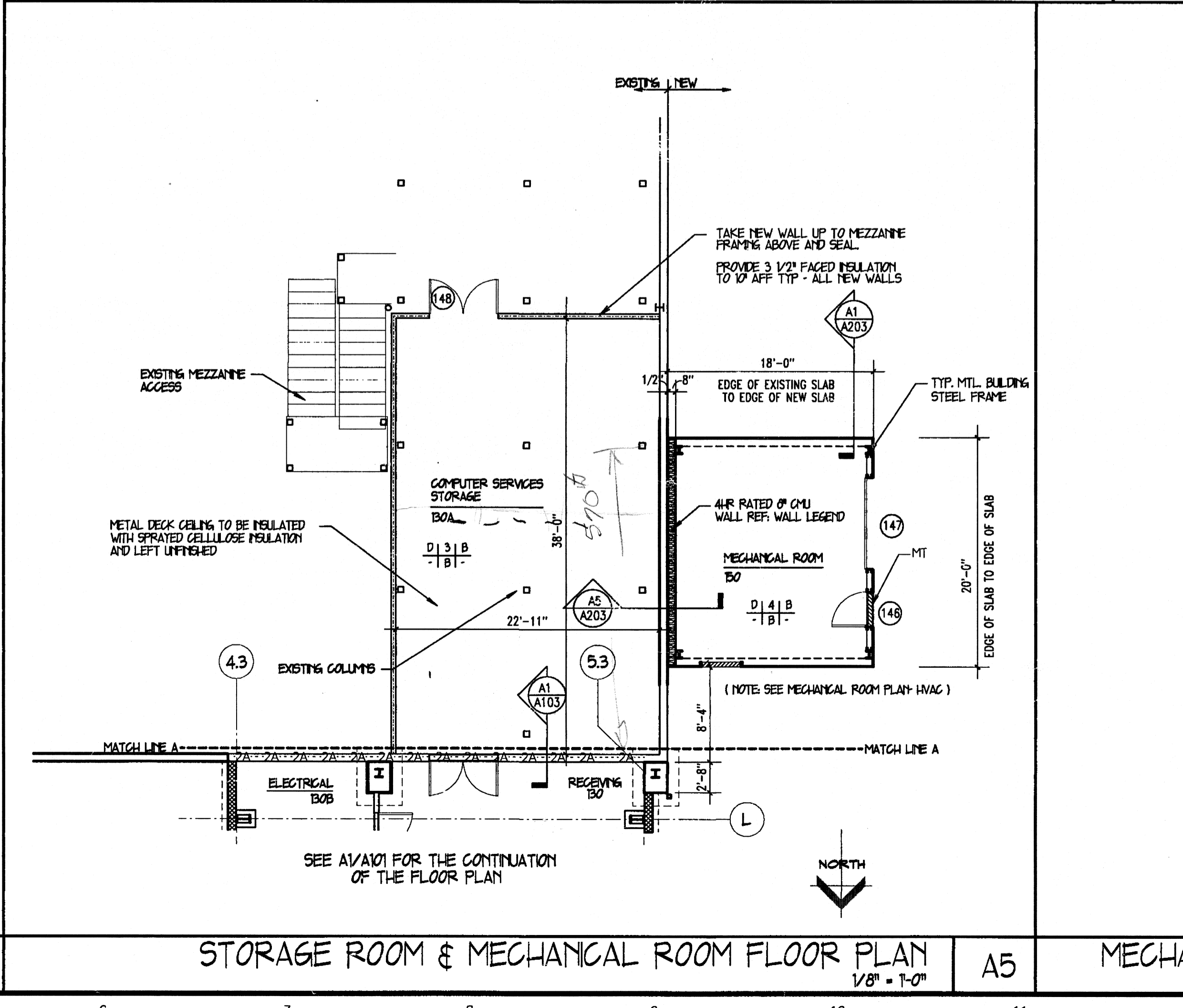
WALL SECTION A1
3/4" = 1'-0"



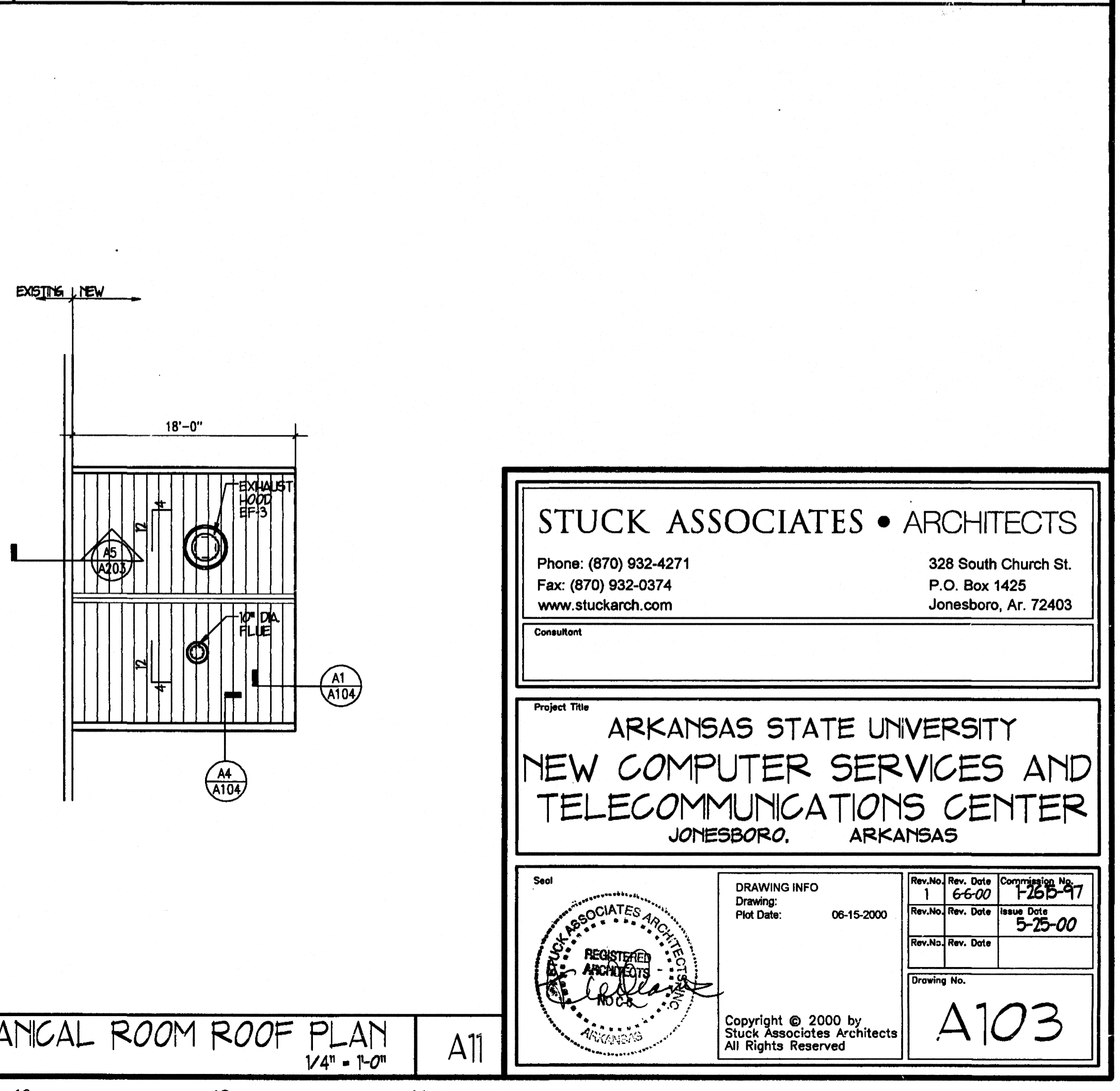
MECHANICAL ROOM WEST ELEVATION F5
1/4" = 1'-0"



MECHANICAL ROOM NORTH ELEVATION (SOUTH ELEV. SIMILAR) F11
1/4" = 1'-0"



STORAGE ROOM & MECHANICAL ROOM FLOOR PLAN A5
1/8" = 1'-0"



MECHANICAL ROOM ROOF PLAN A11
1/4" = 1'-0"

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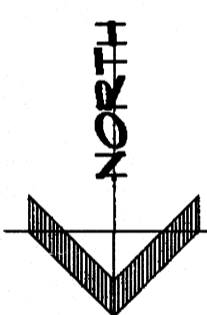
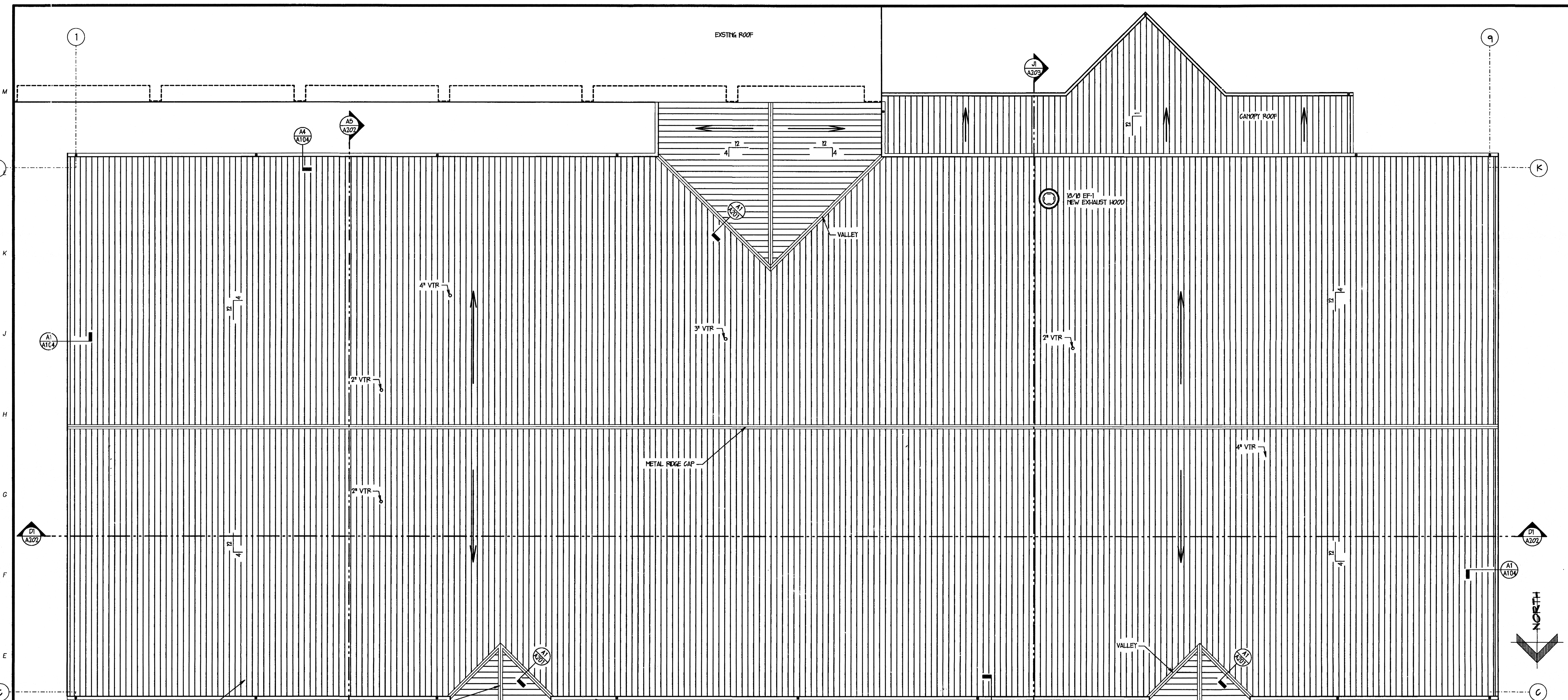
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 Plot Date: 06-15-2000

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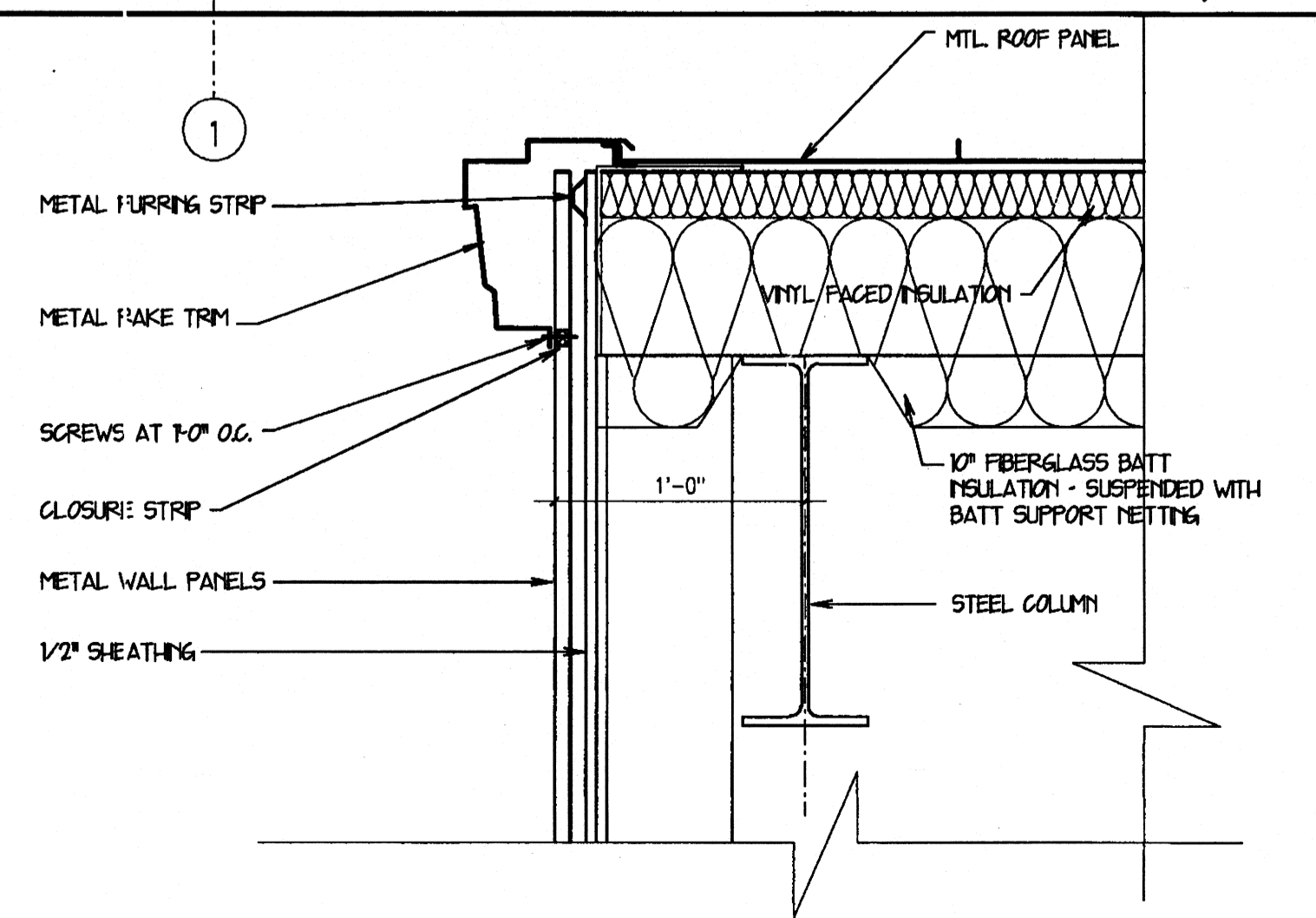
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A103

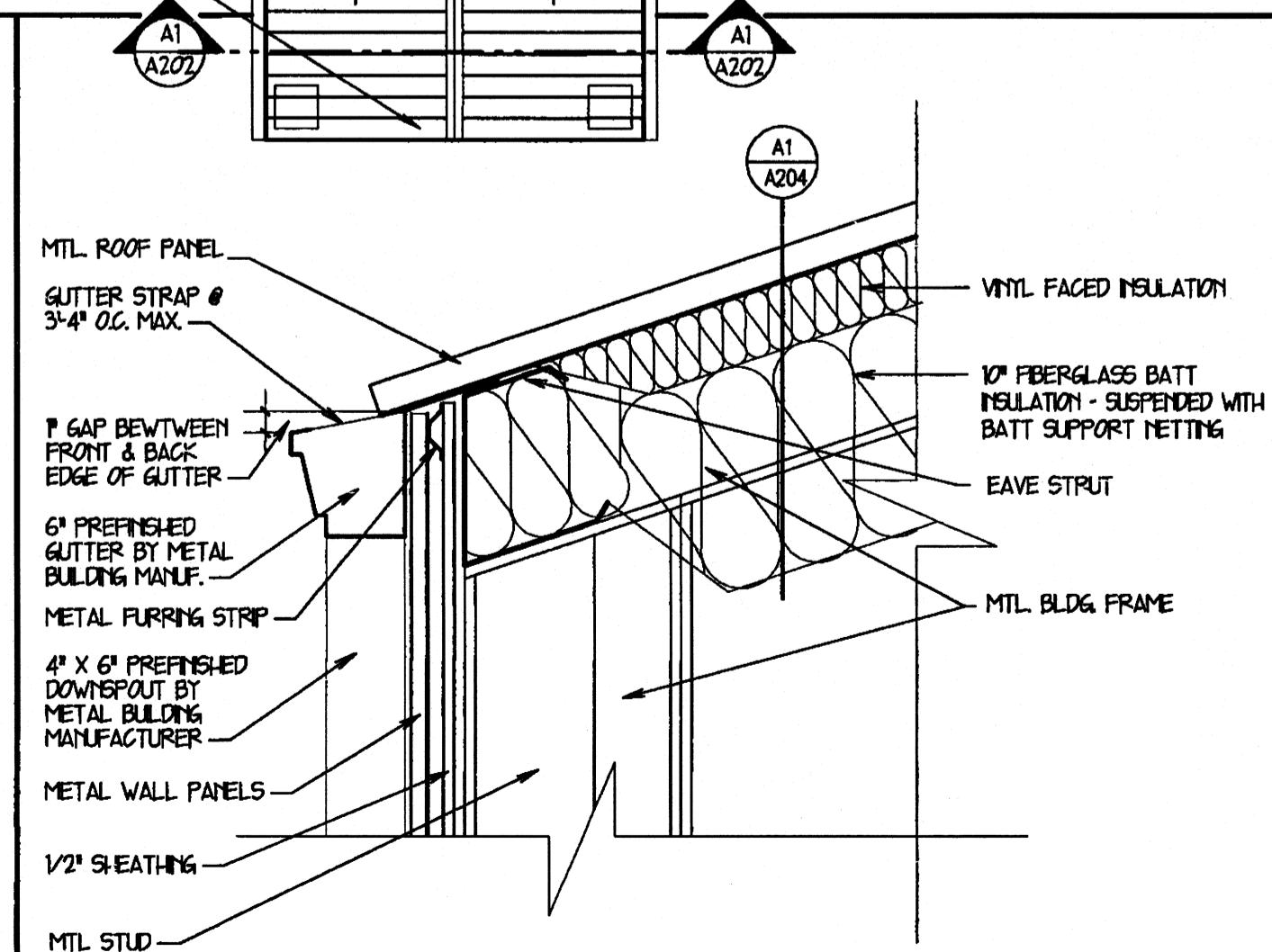


NOTE: SEE MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF ROOF PENETRATIONS

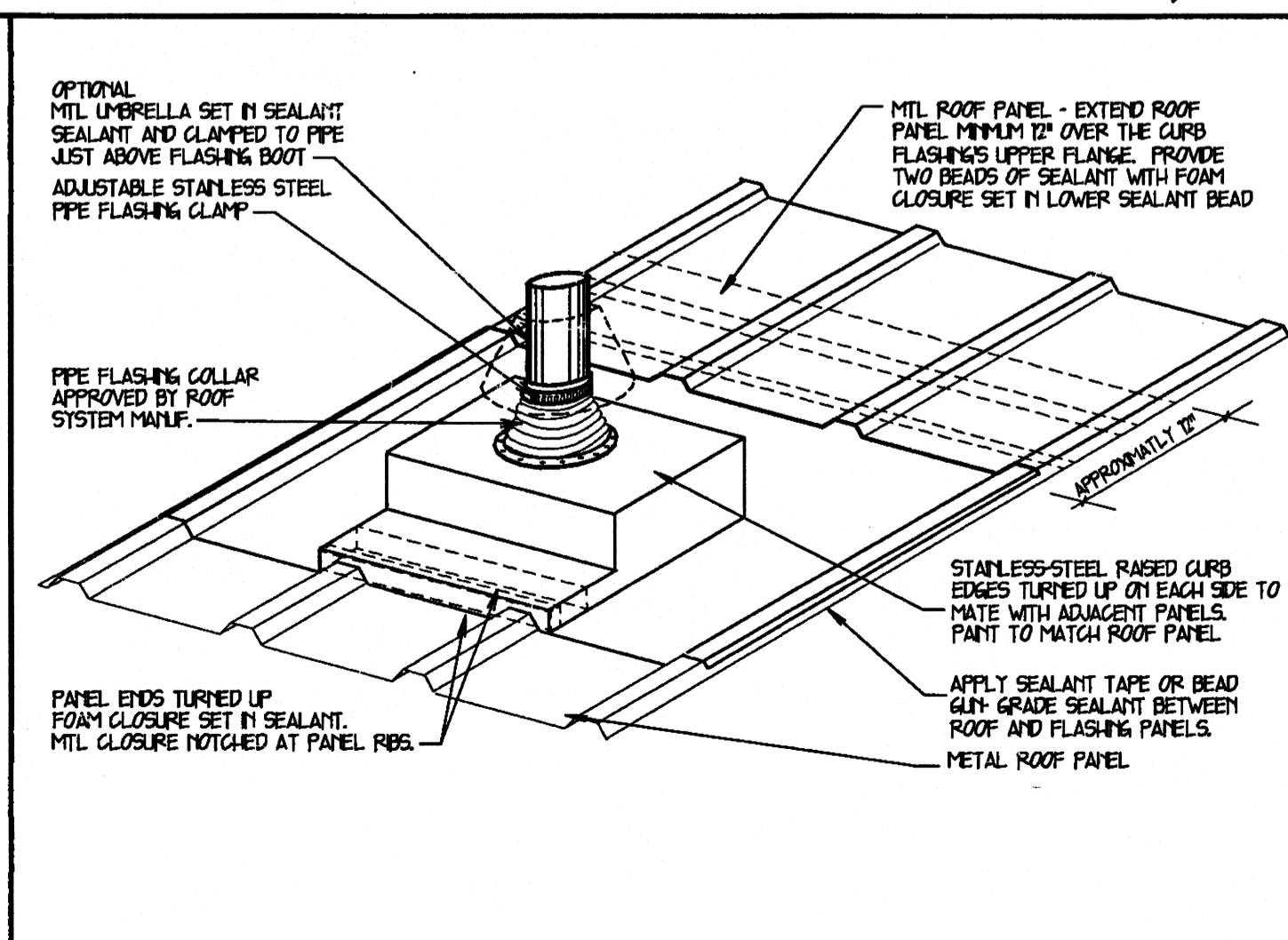
ROOF PLAN
1/8" = 1'-0" A11



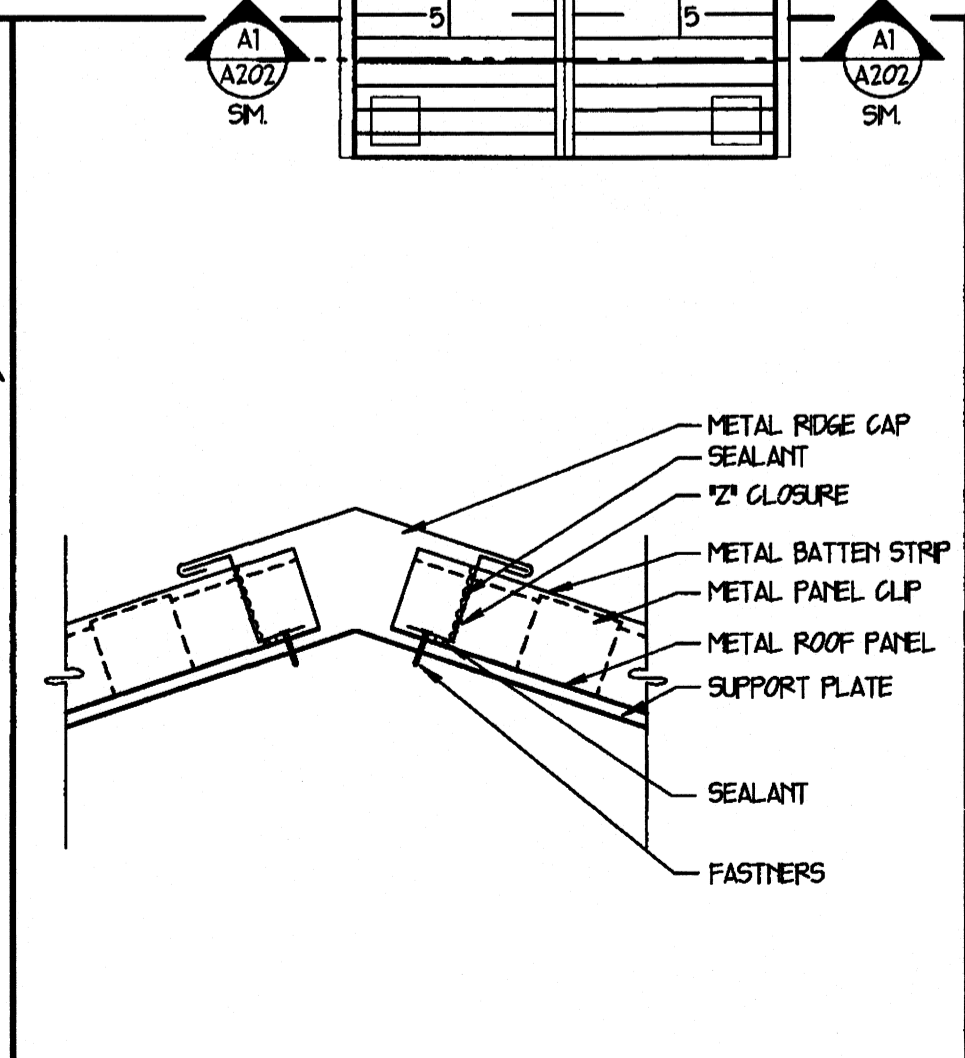
RAKE TRIM DETAIL
SCALE 1 1/2" = 1'-0" A1



GUTTER DETAIL
SCALE 1 1/2" = 1'-0" A4



FLUE/VENT FLASHING DETAIL
NO SCALE A8



METAL RIDGE CAP DETAIL
SCALE 3" = 1'-0" A11

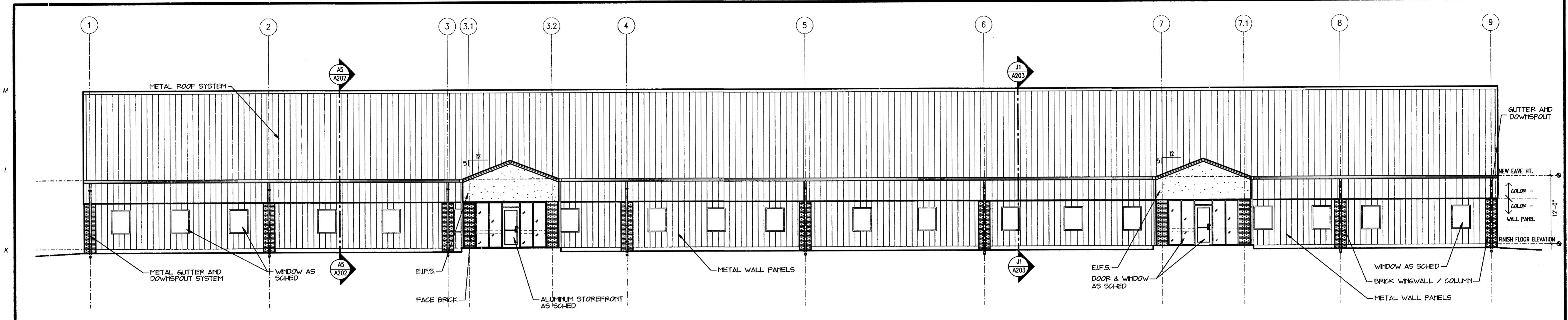
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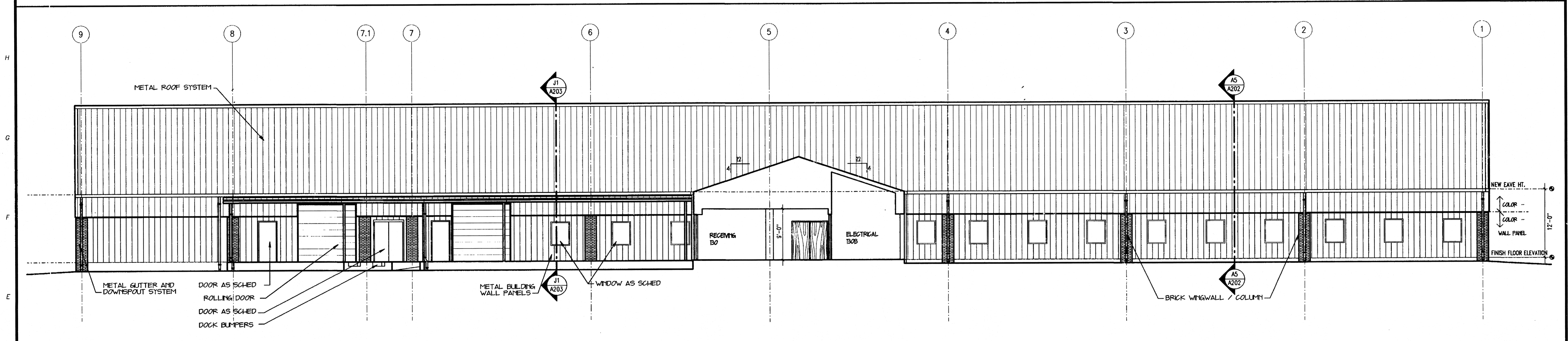
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			5-25-00
		Rev. No. Rev. Date	Drawing No.
			A104

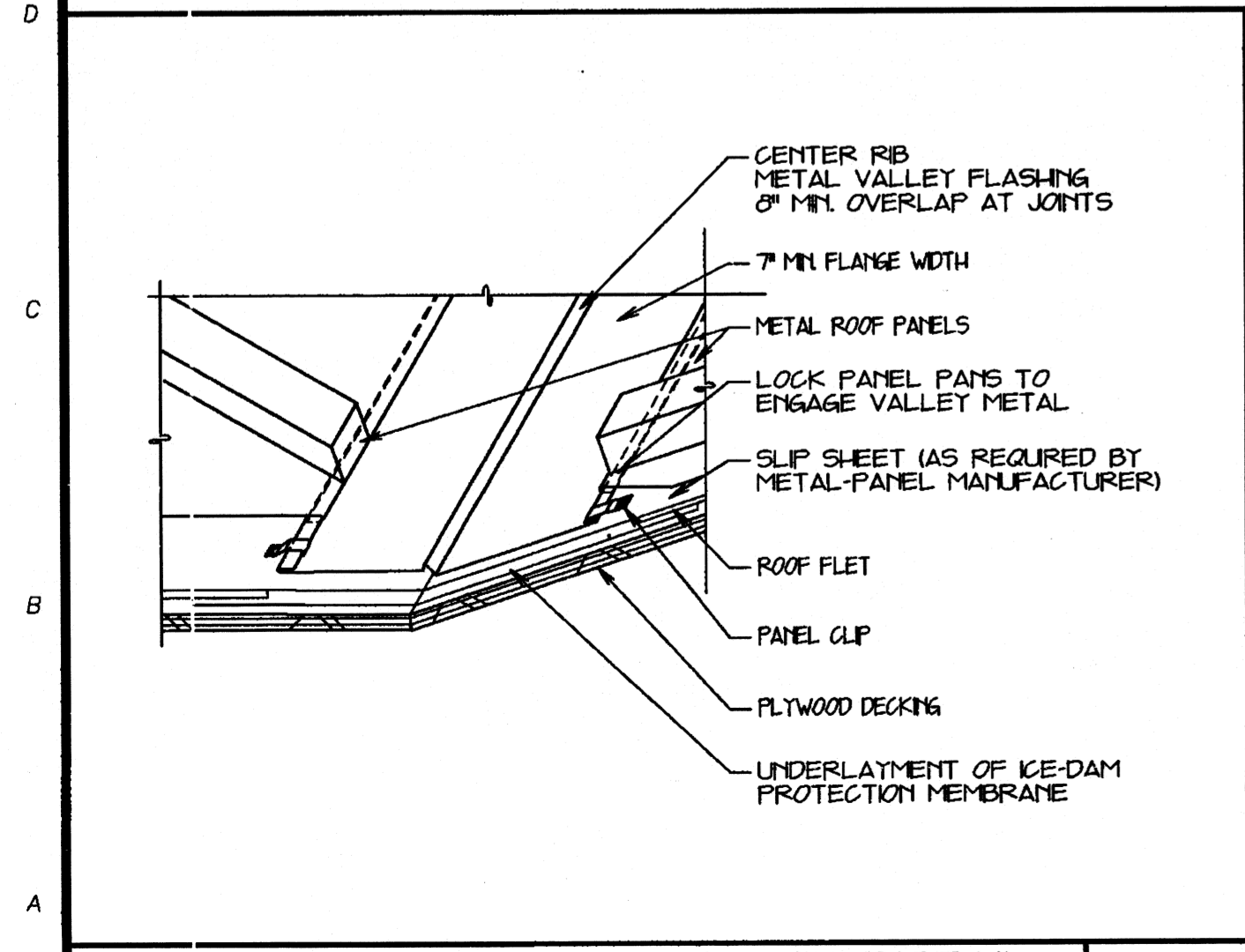
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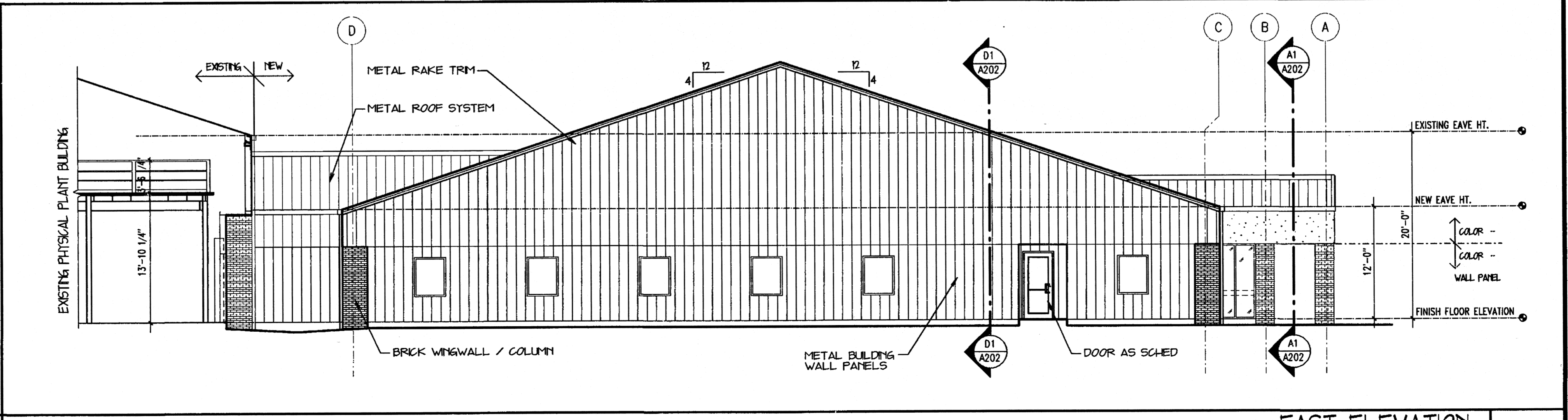
NORTH ELEVATION
1/8" = 1'-0" J1



SOUTH ELEVATION
1/8" = 1'-0" D1




VALLEY DETAIL
NO SCALE A1

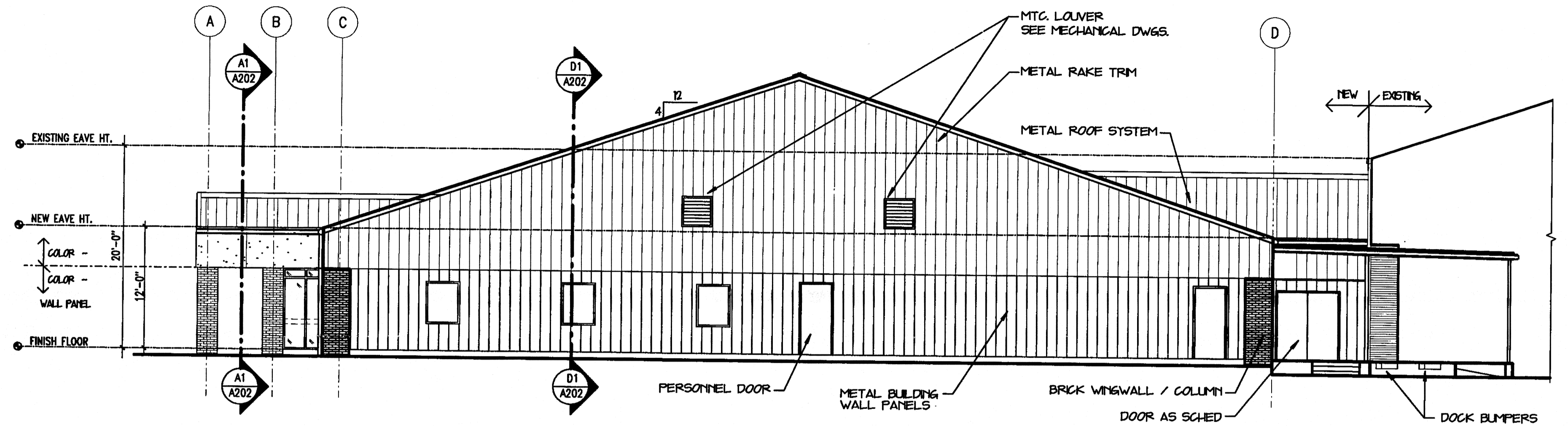


EAST ELEVATION
1/8" = 1'-0" A4

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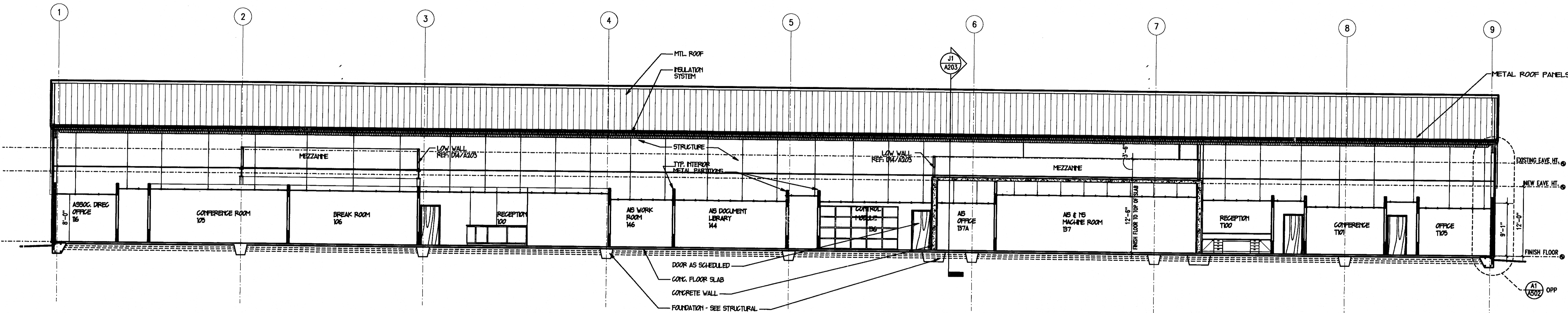
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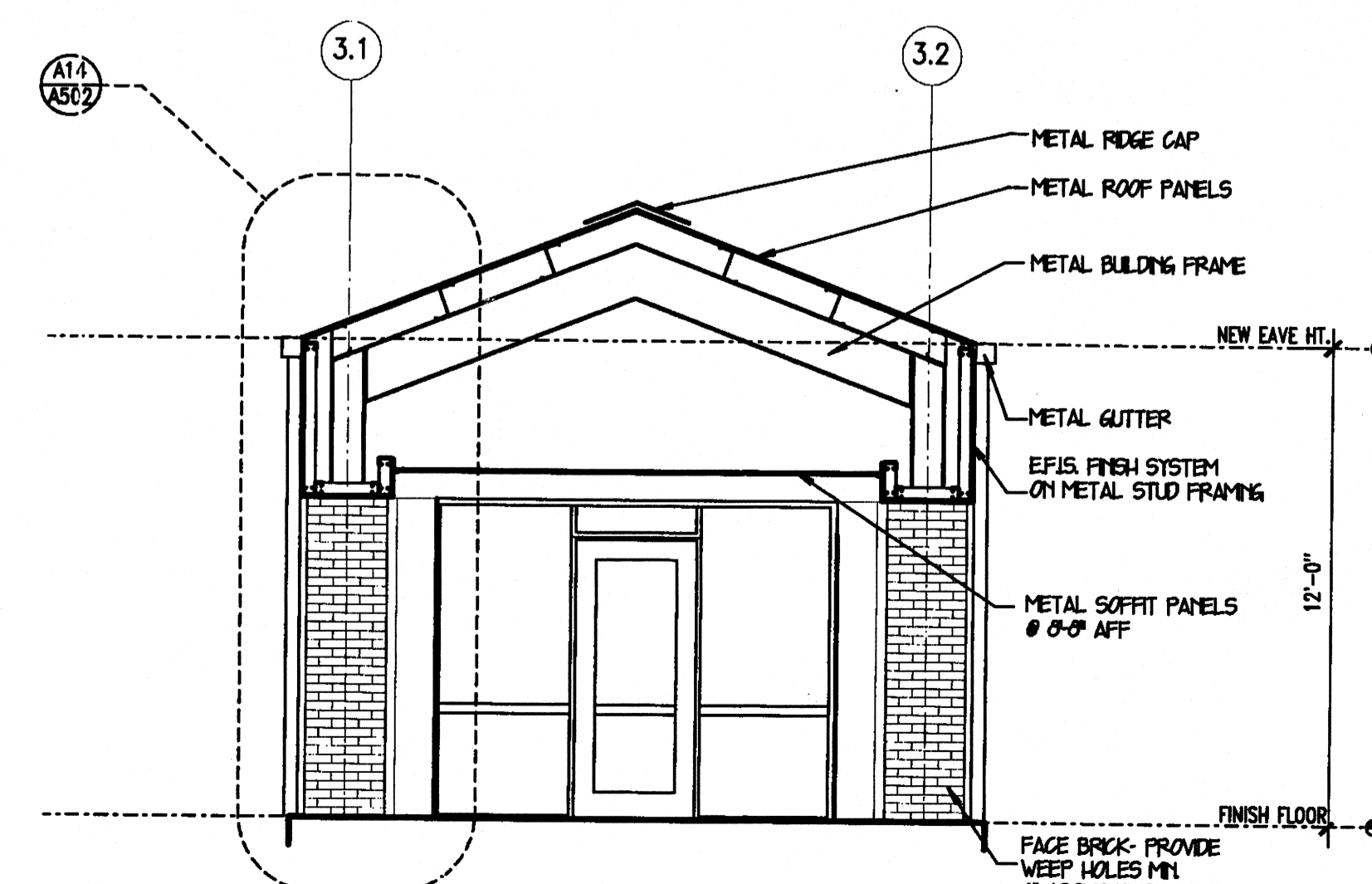
WEST ELEVATION
1/8" = 1'-0"

J1



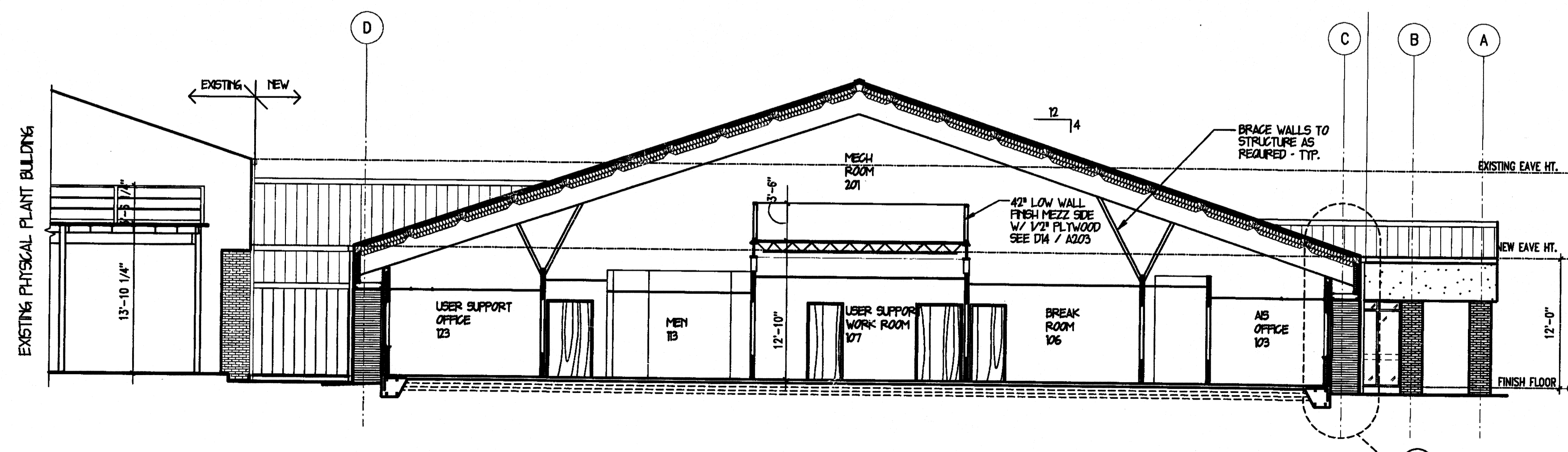
BUILDING SECTION
1/8" = 1'-0"

D1



BUILDING SECTION (CANOPY)
1/4" = 1'-0"

A1



BUILDING SECTION
1/8" = 1'-0"

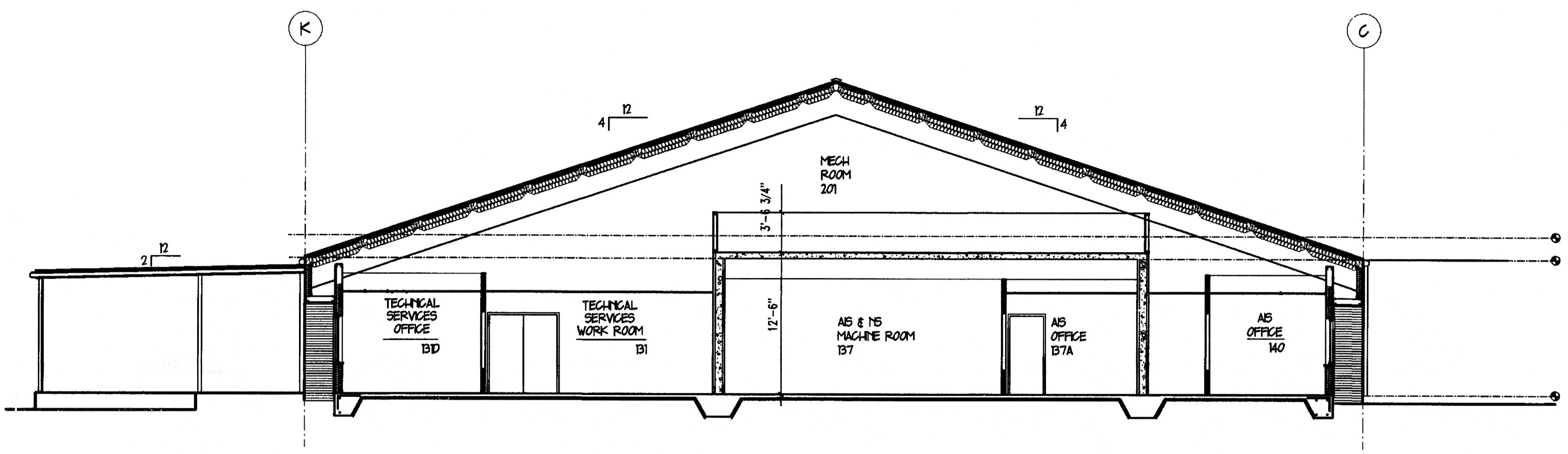
A5

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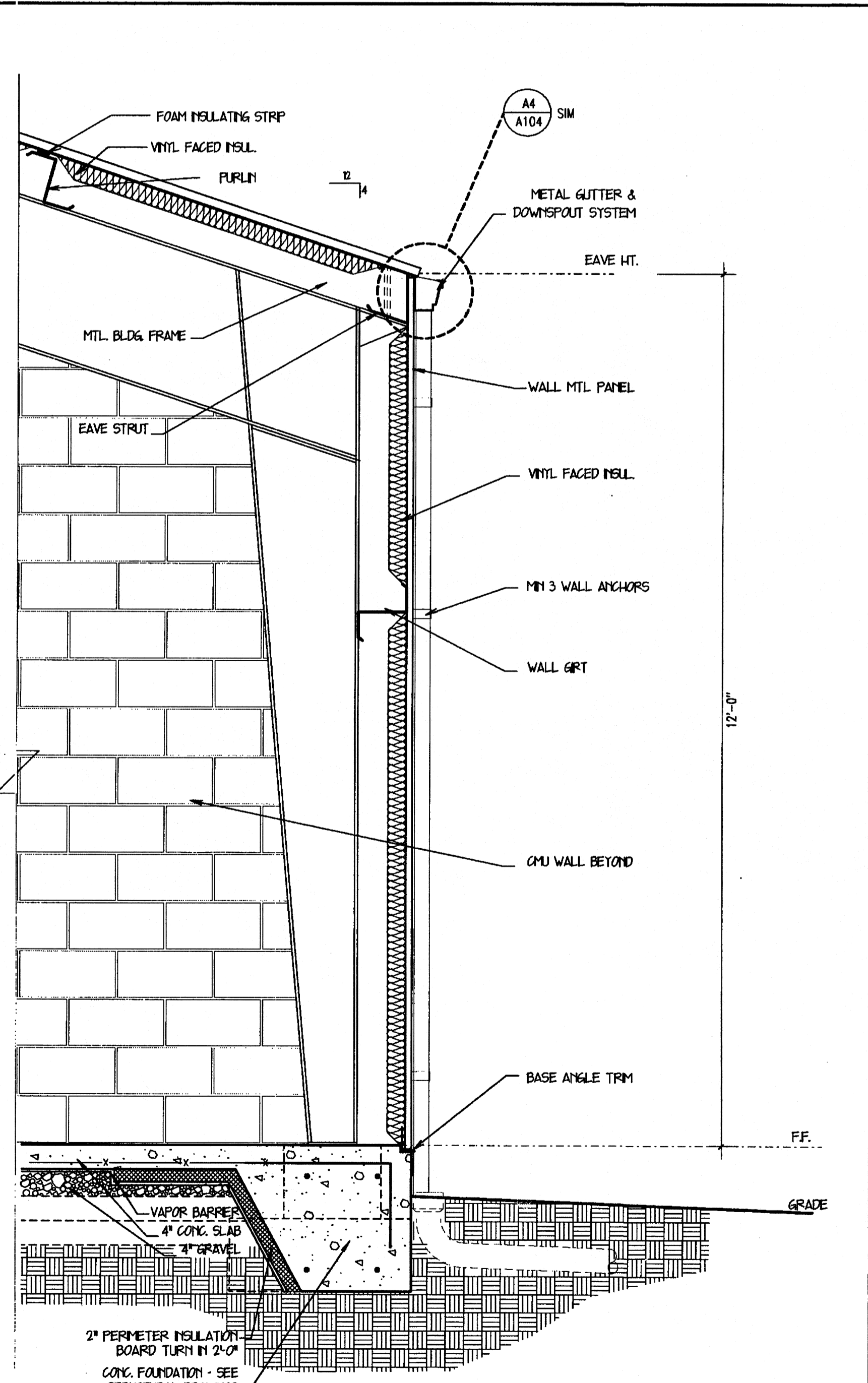
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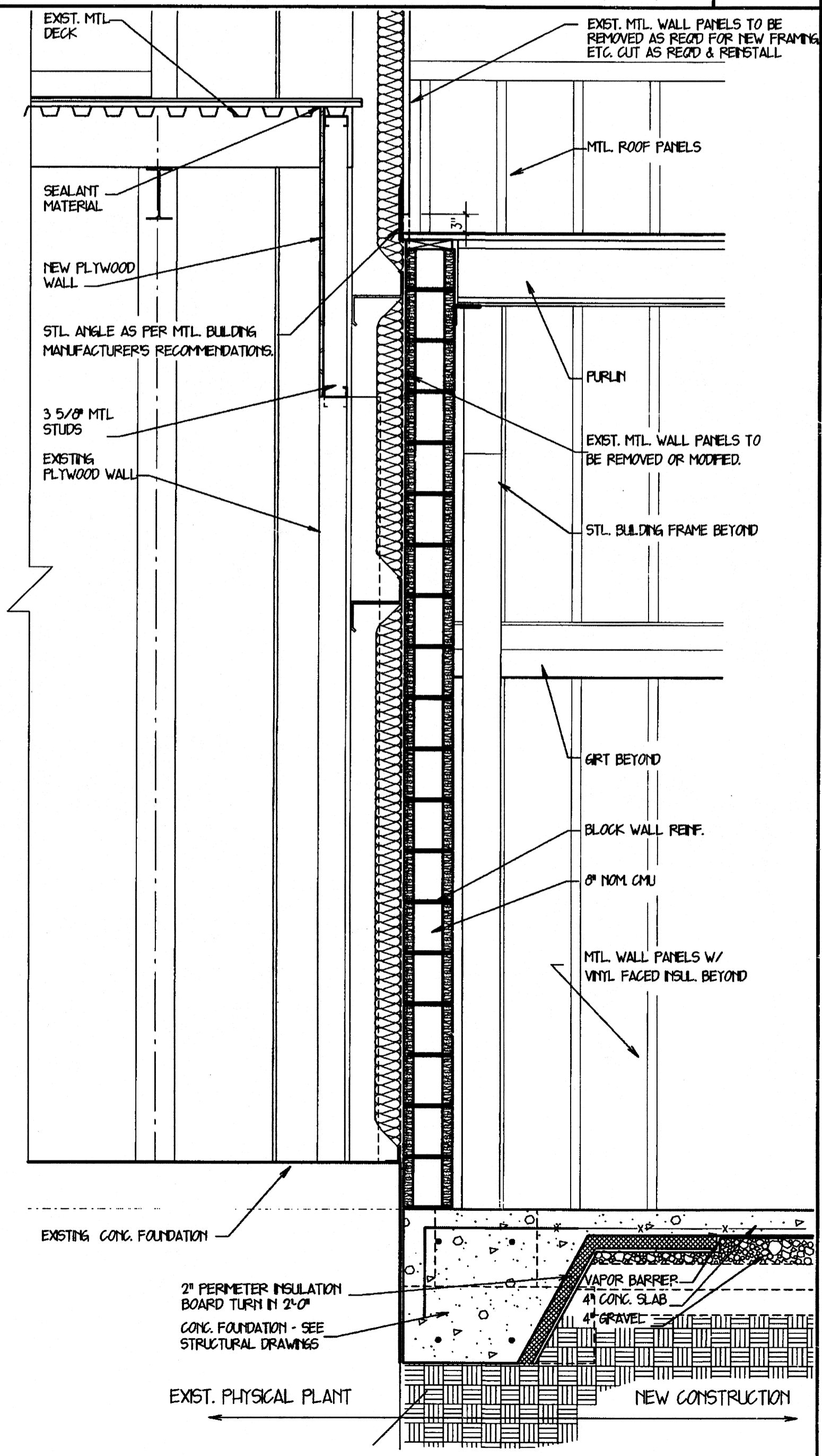
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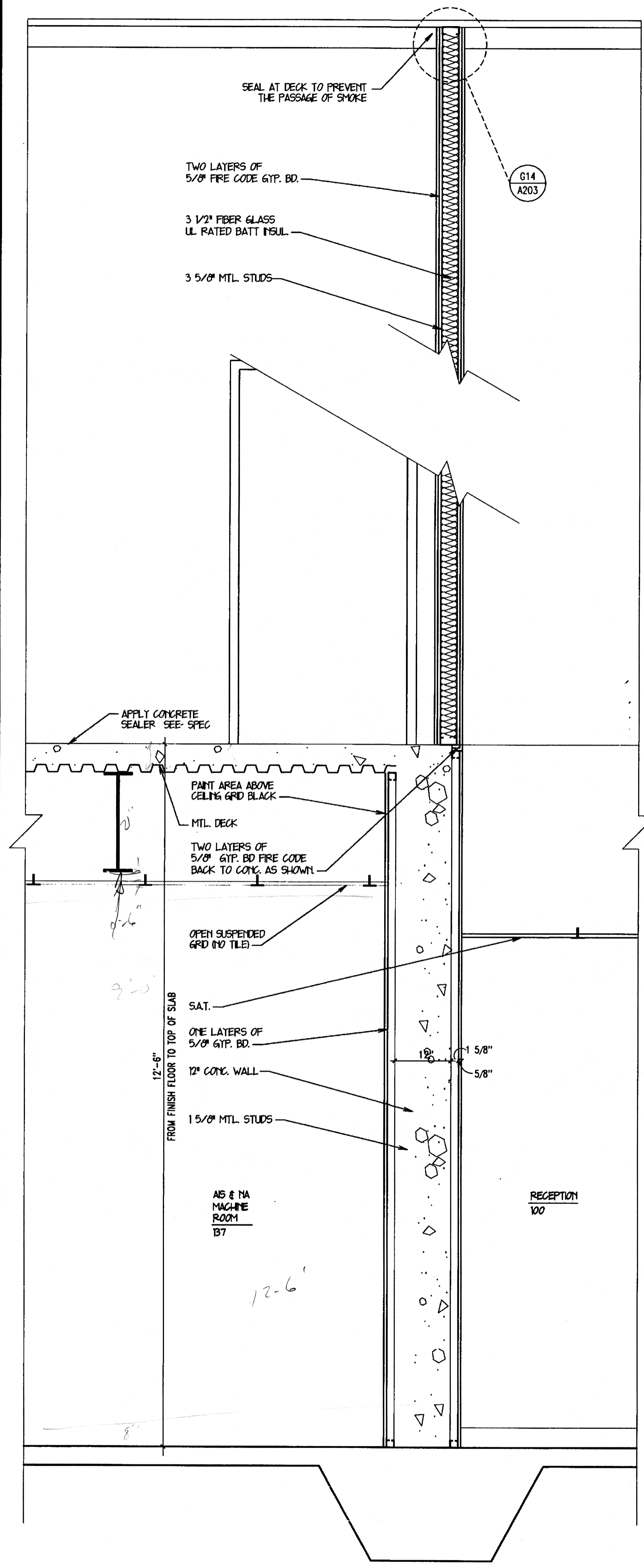
BUILDING SECTION
1/8" = 1'-0" J1



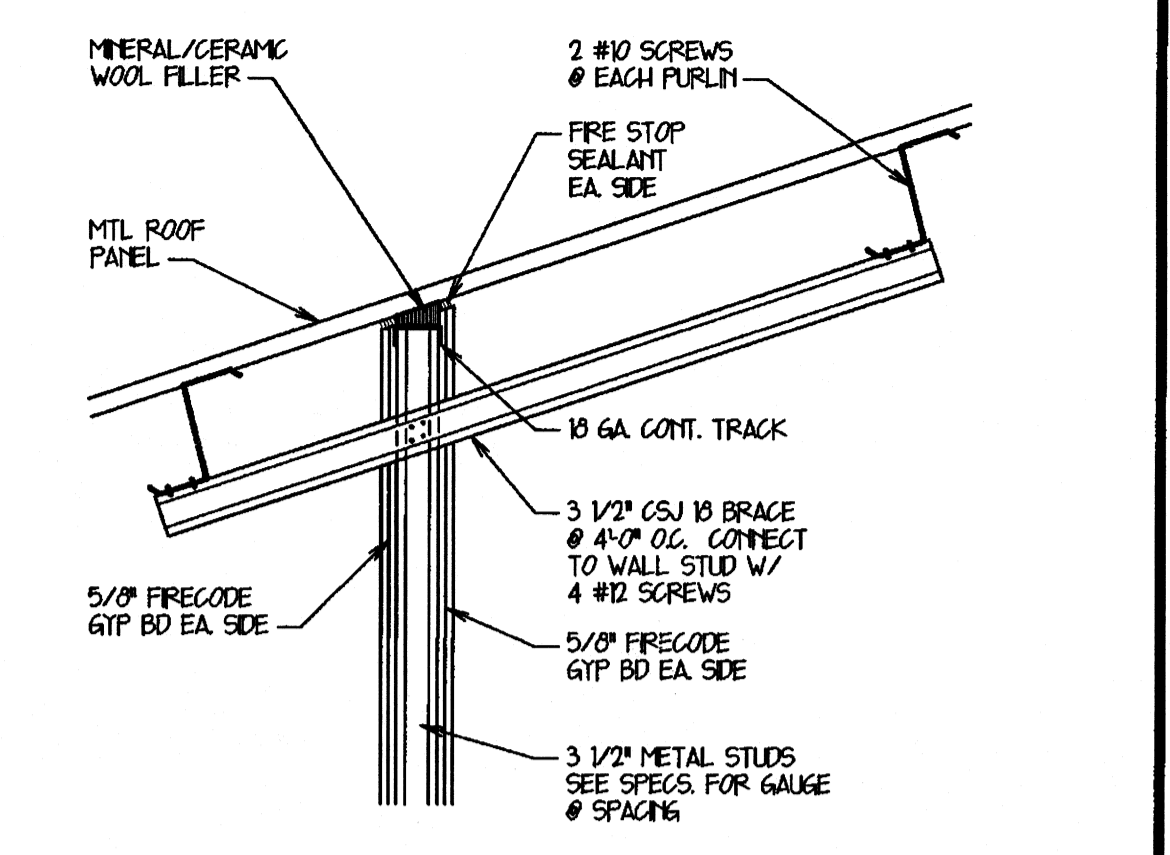
WALL SECTION
3/4" = 1'-0" A1



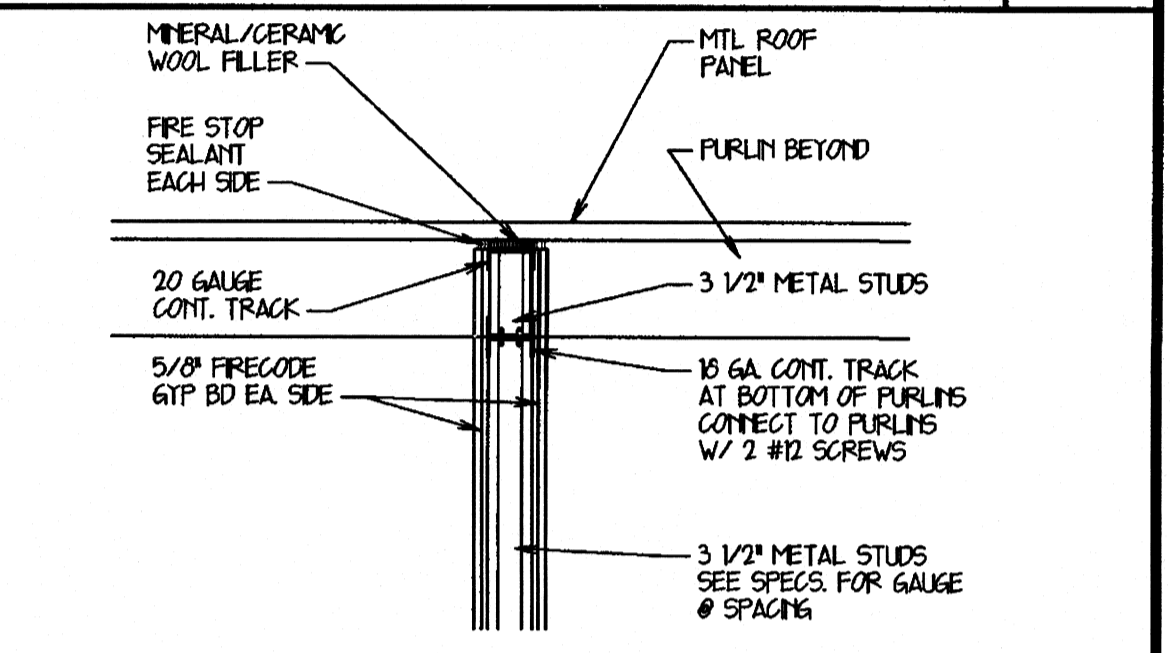
WALL DETAIL
3/4" = 1'-0" A5



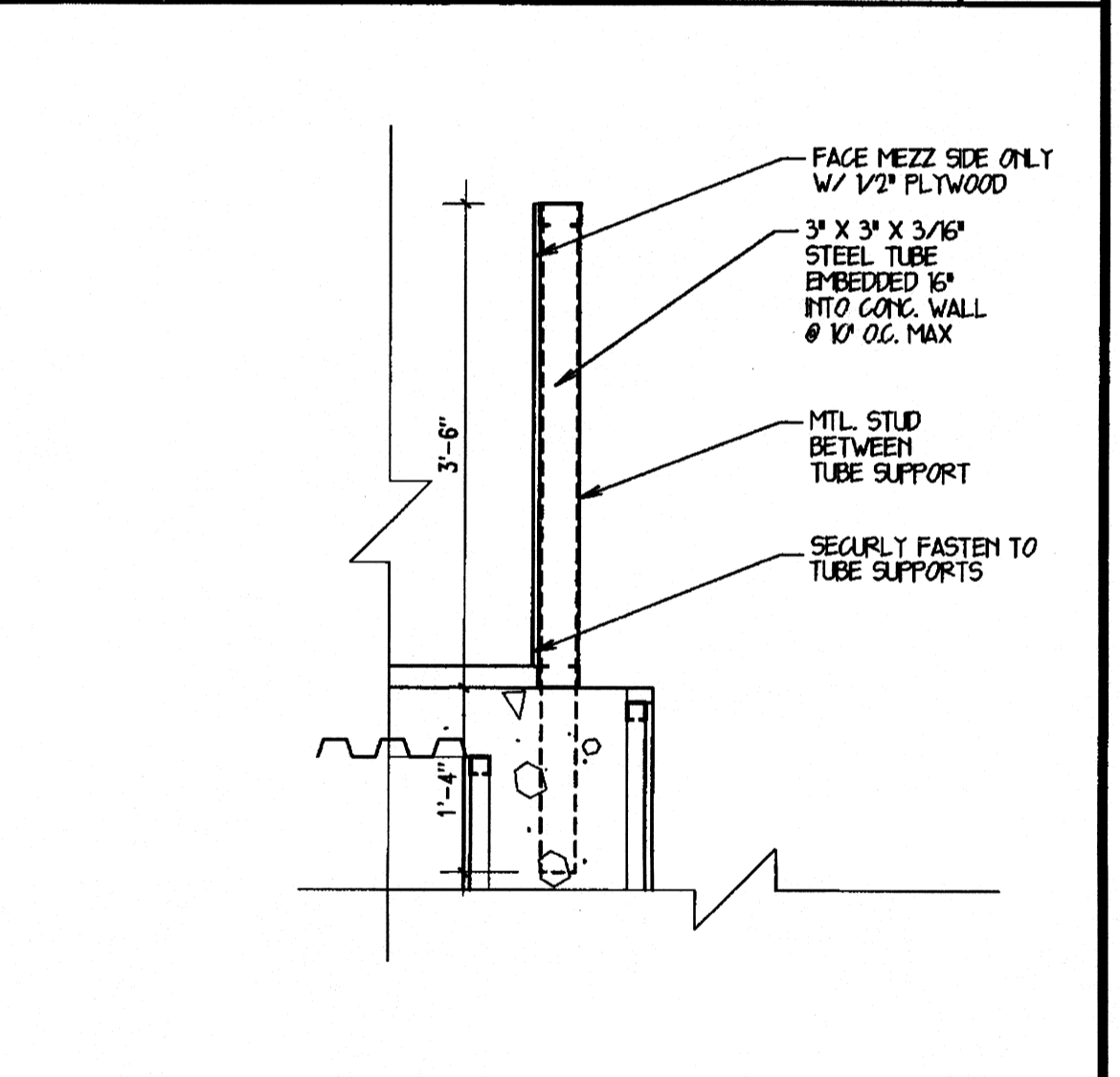
WALL SECTION
3/4" = 1'-0" A10



WALL PARALLEL TO PURLINS DETAIL
3/4" = 1'-0" K14



WALL PERPENDICULAR TO PURLINS DETAIL
3/4" = 1'-0" G14

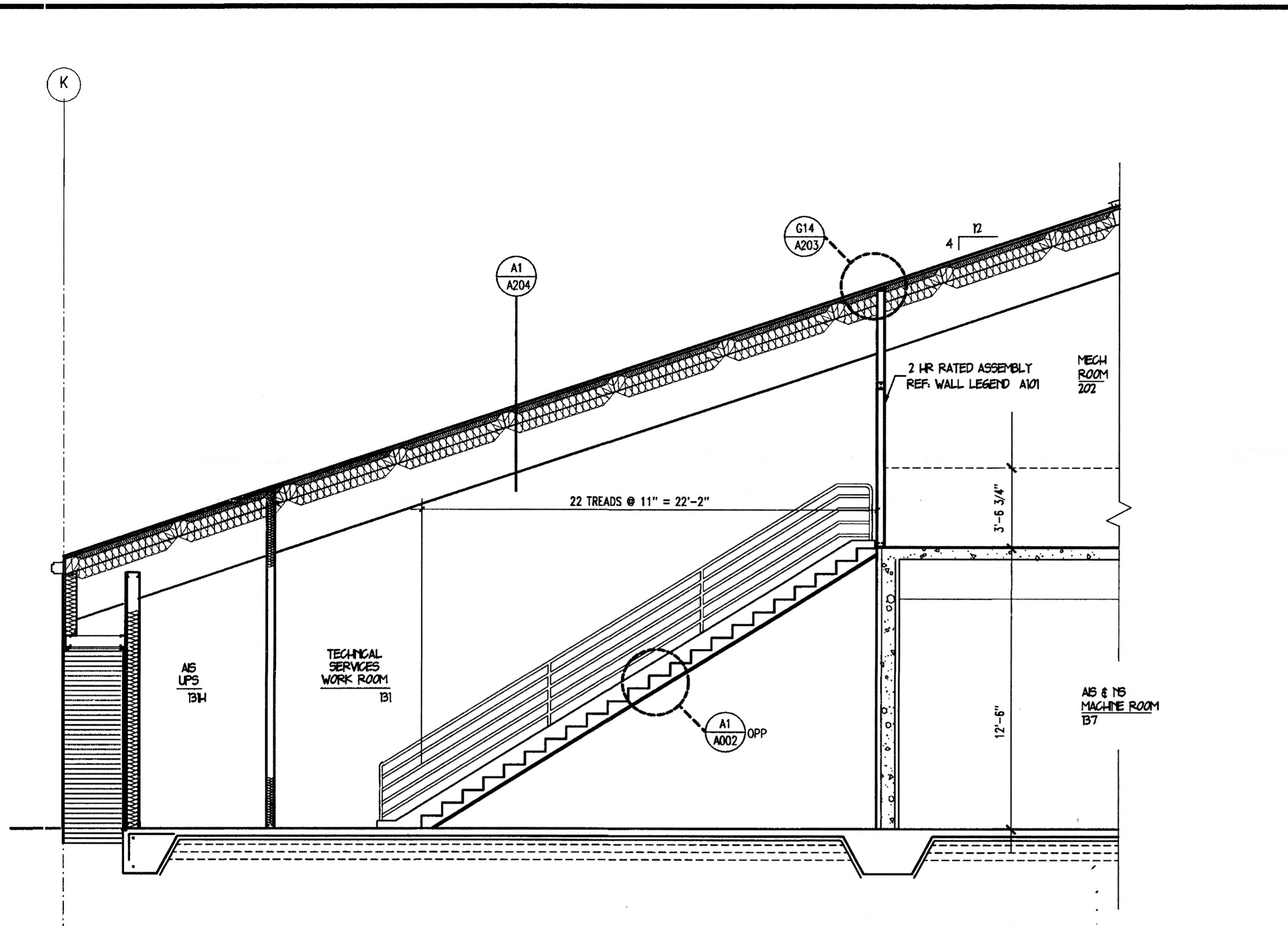


SECTION AT RAIL
3/4" = 1'-0" D14

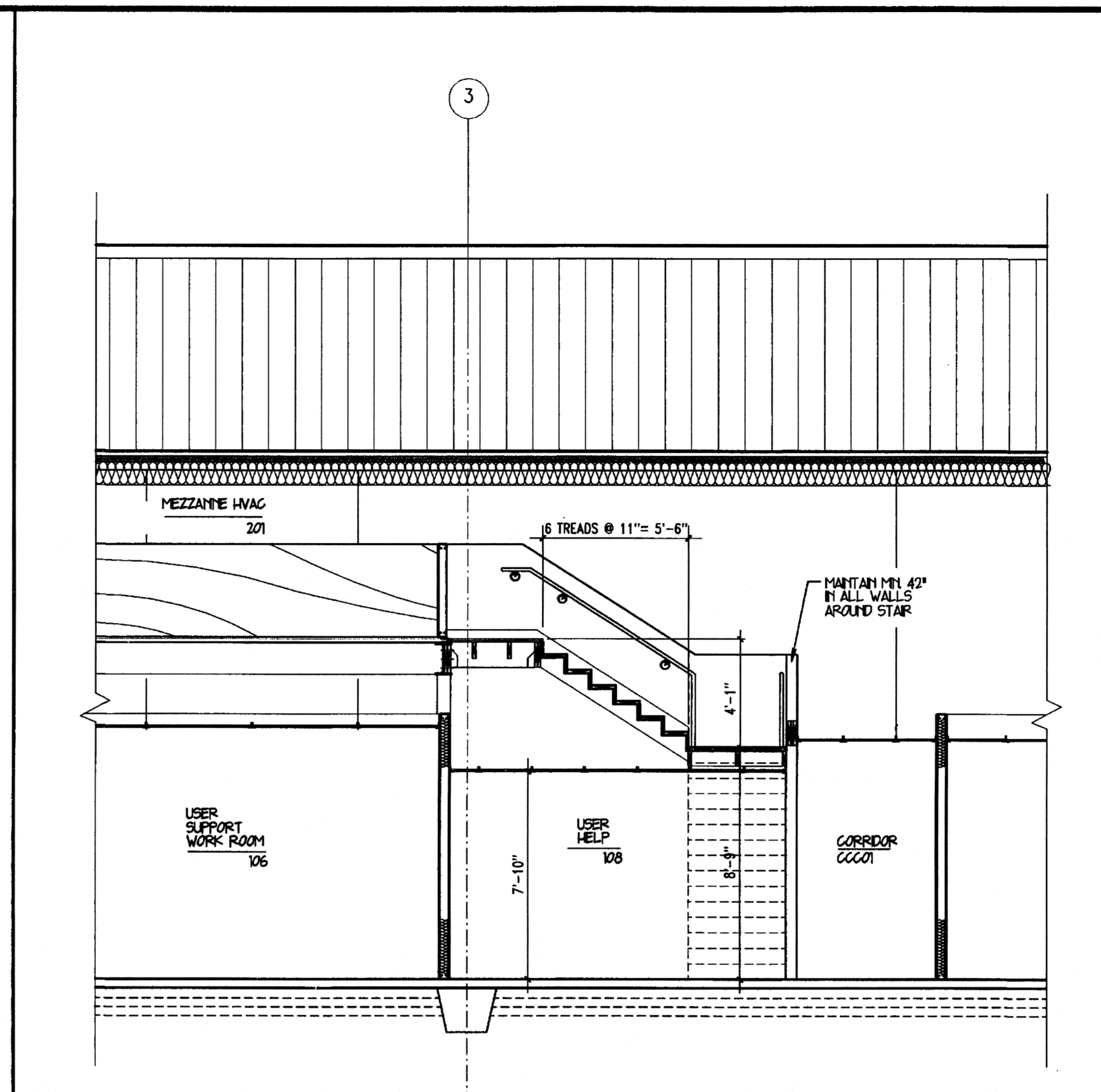
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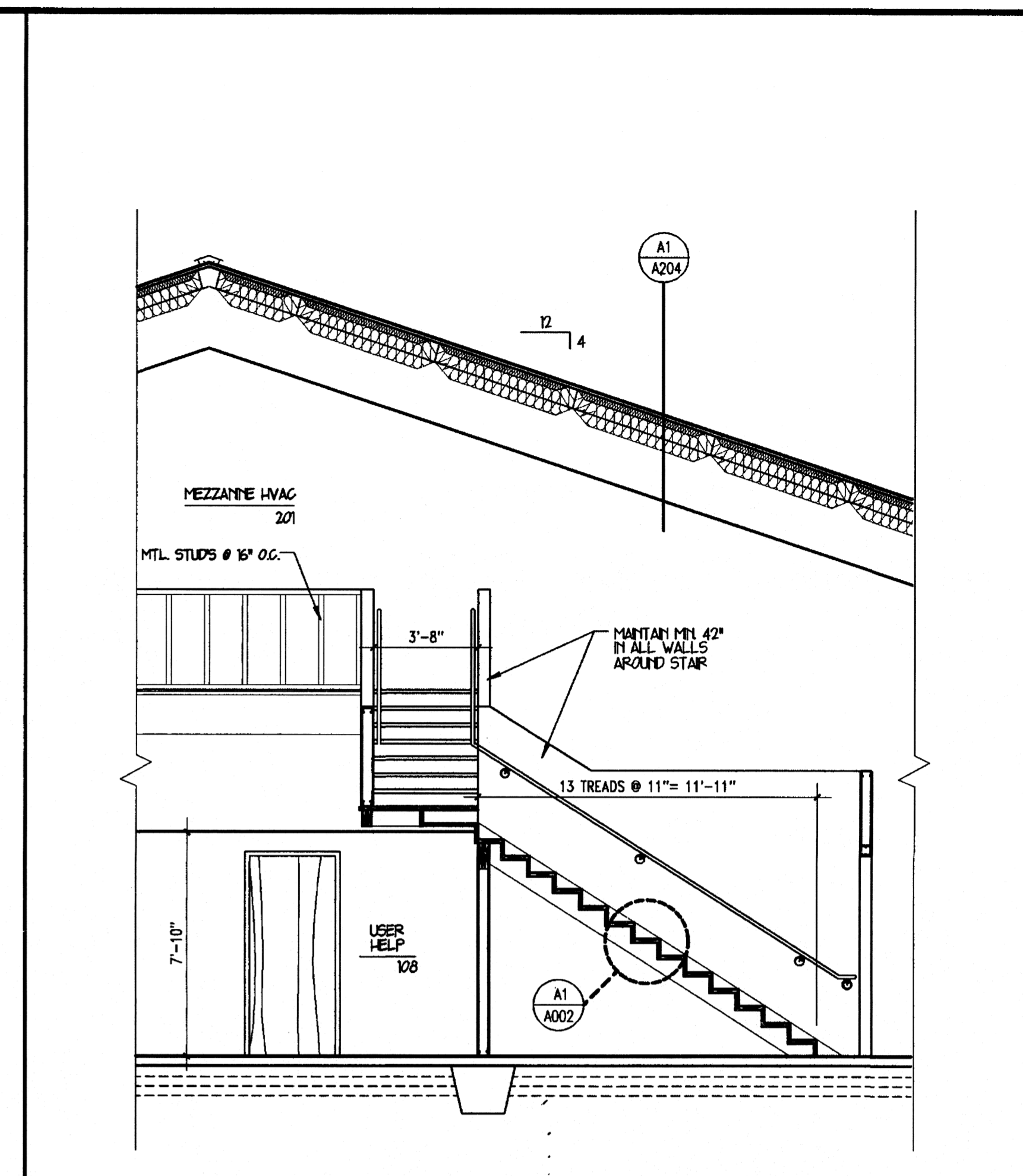
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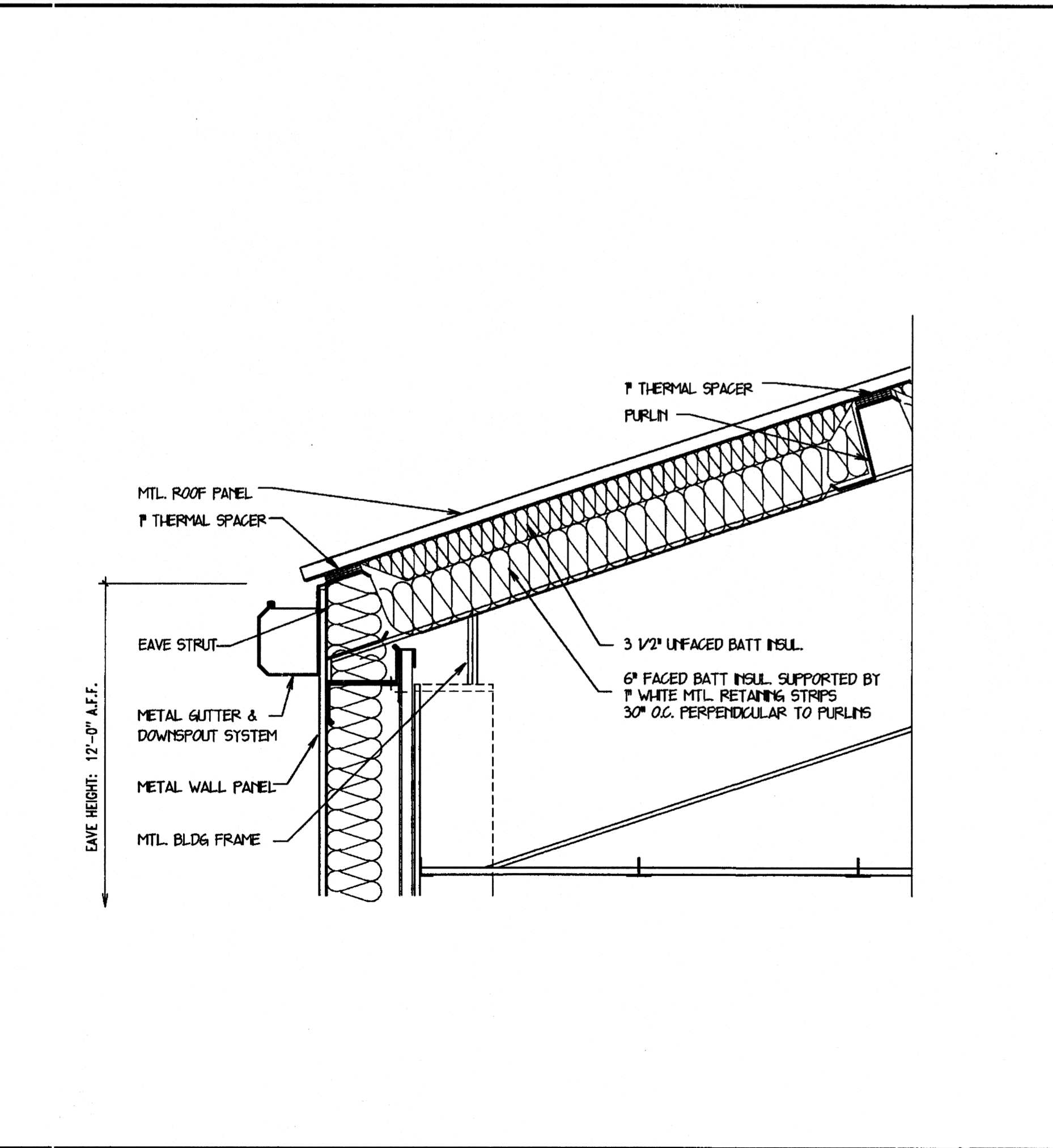
STAIR SECTION
1/4" = 1'-0" G1



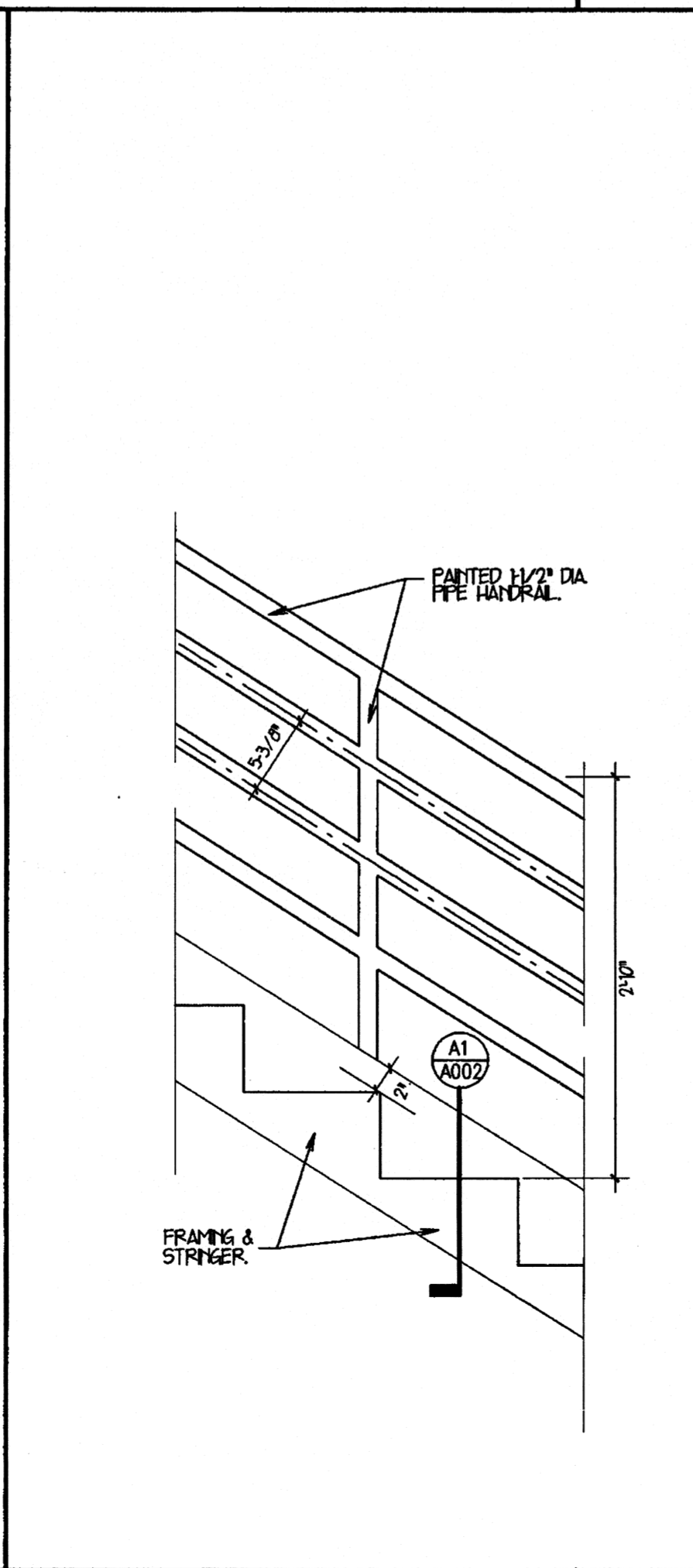
STAIR SECTION
1/4" = 1'-0" G8



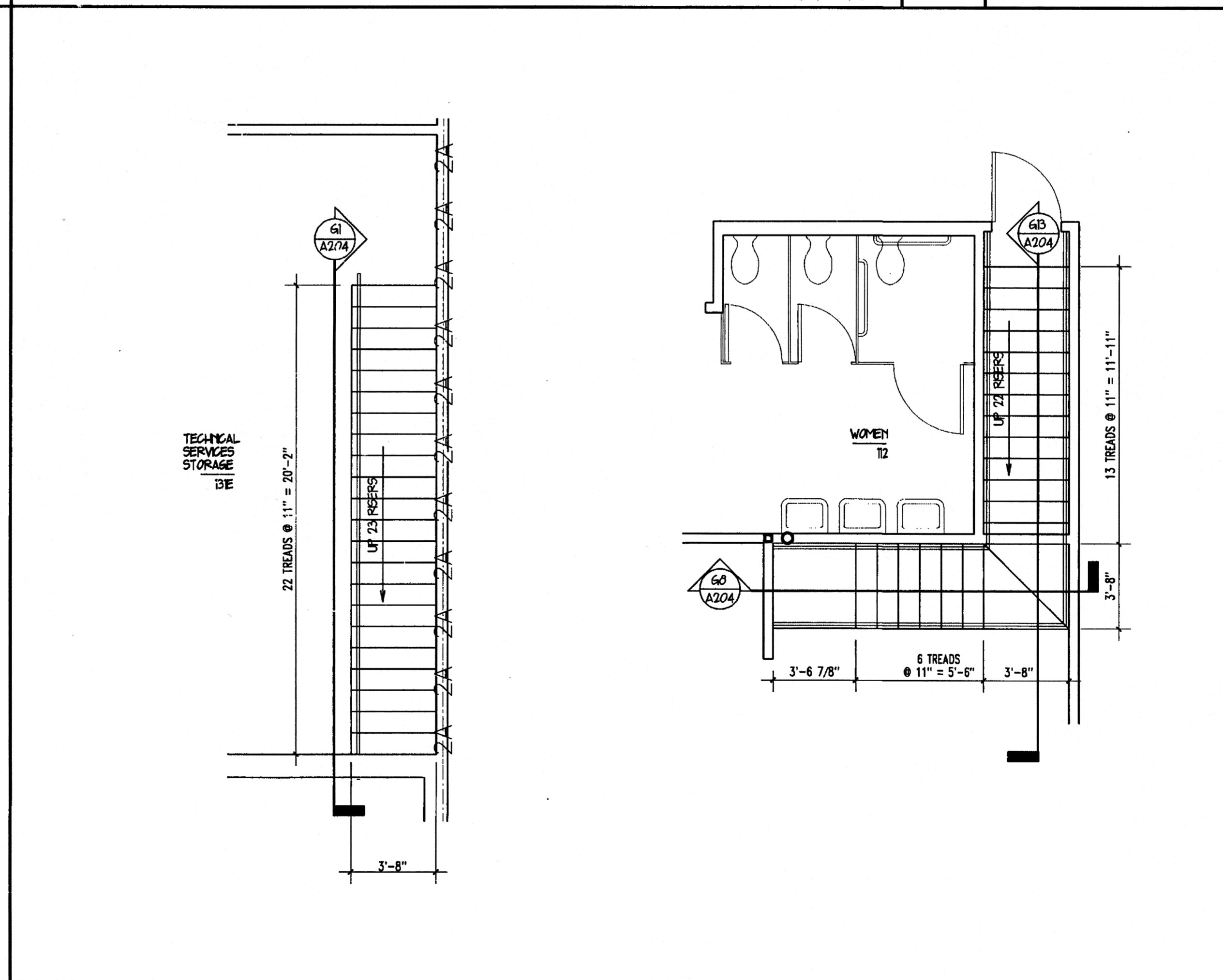
STAIR SECTION
1/4" = 1'-0" G13



INSULATION SYSTEM DETAIL
3/4" = 1' A1



HAND RAIL @ STAIR
1/4" = 1'-0" G1



STAIR FLOOR PLAN
1/4" = 1'-0" A8

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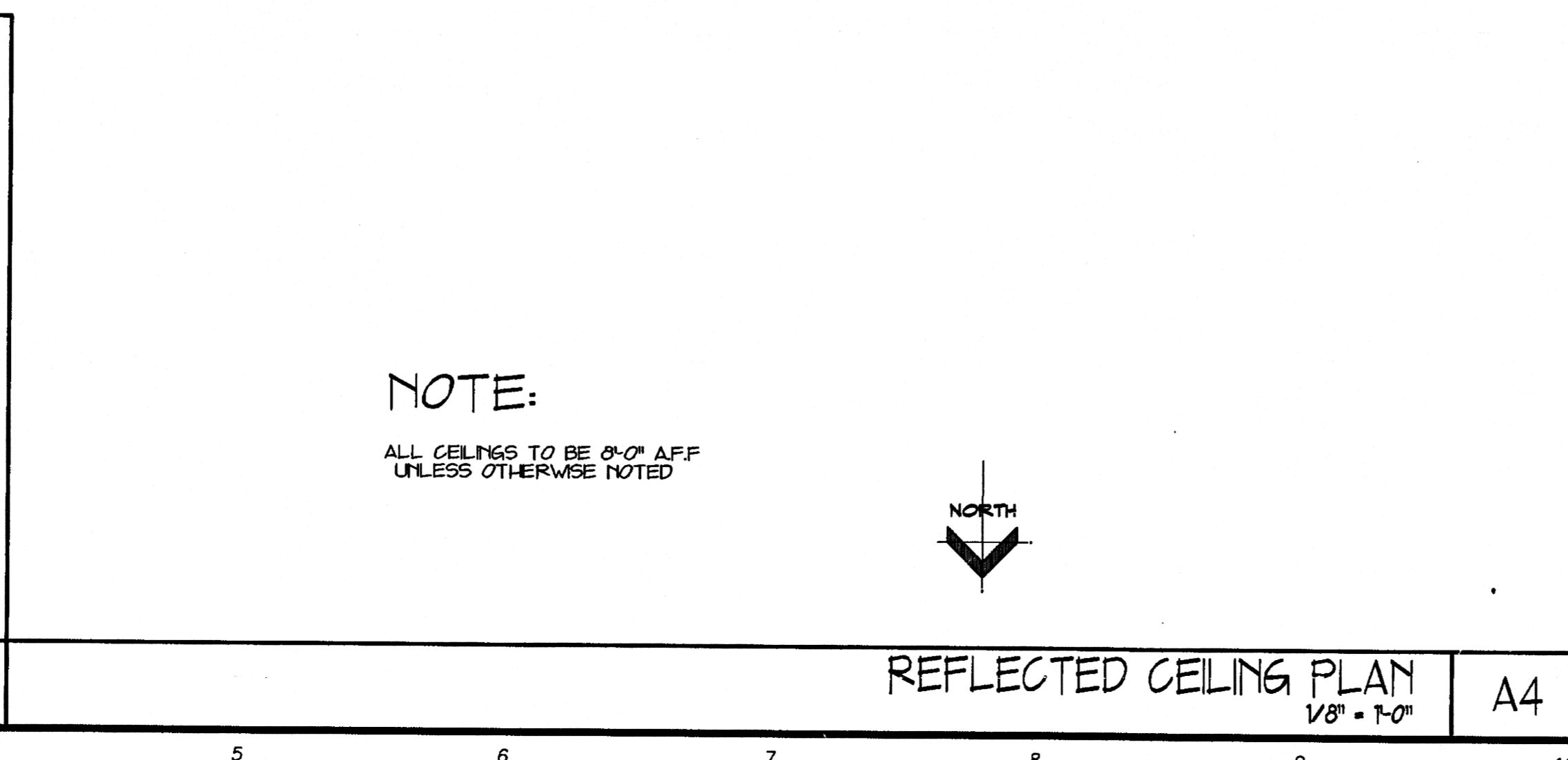
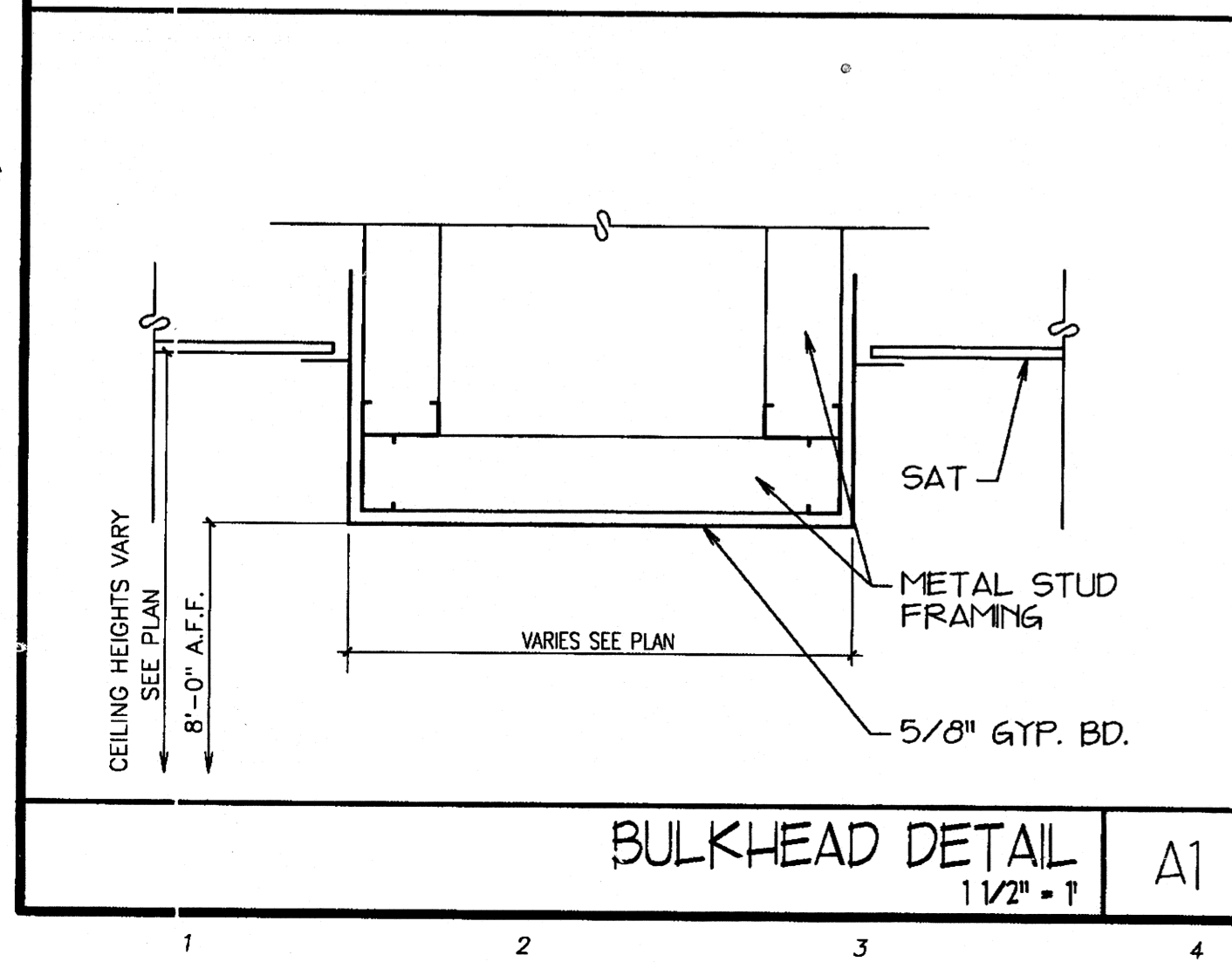
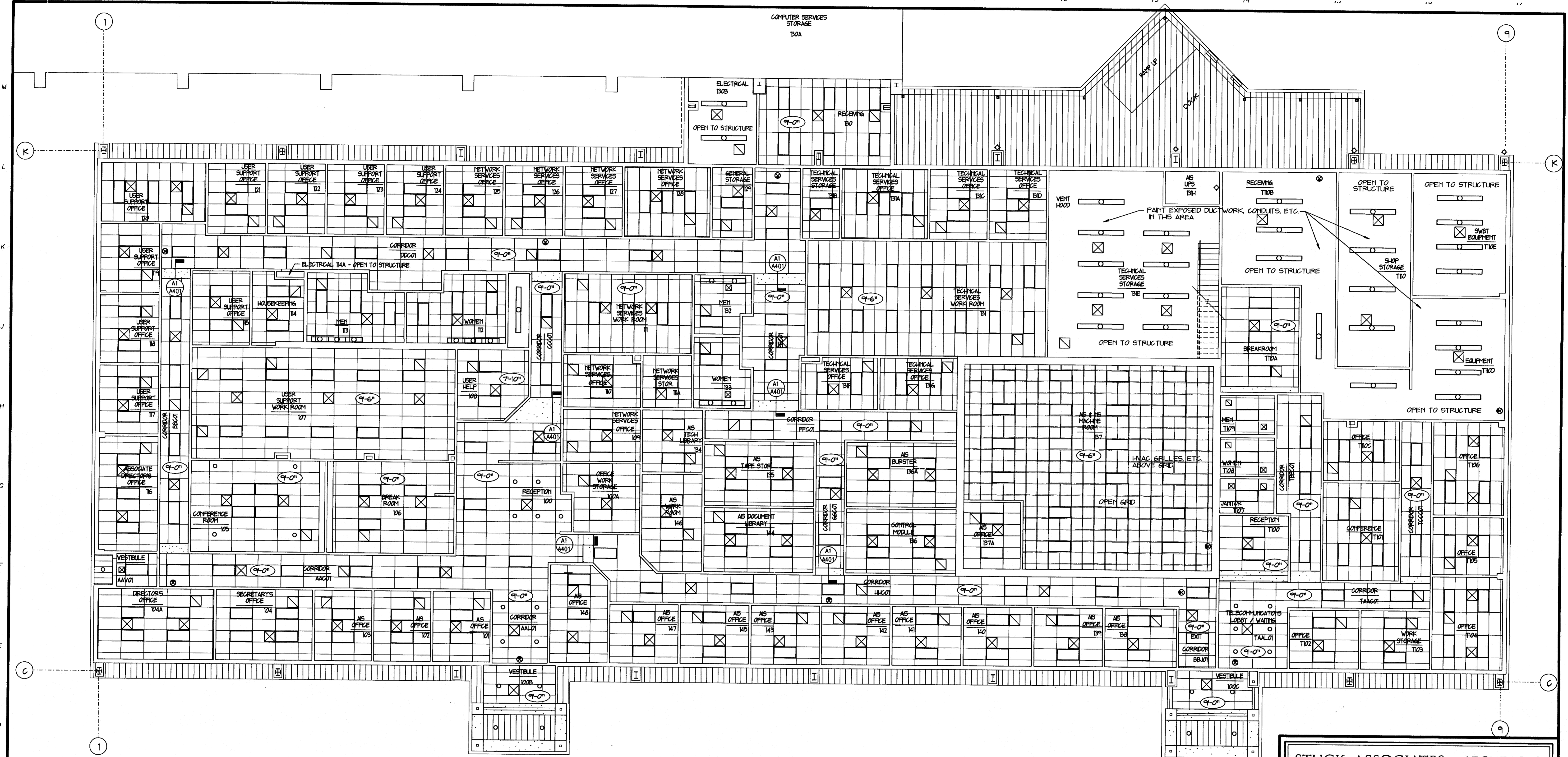
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LEGEND
NOT TO SCALE

	2' X 2' LAY-IN SUPPLY GRILLE - REF. HVAC DWGS.		2' X 4' LAY-IN TROFFER LIGHT - REF. ELEC. DWGS.
	2' X 2' LAY-IN RETURN GRILLE - REF. HVAC DWGS.		EXIT LIGHT
	1' X 1' LAY-IN SUPPLY GRILLE		FLUORESCENT STRIP FIXTURE
	GYP BOARD CEILING		MOUNTED FLUORESCENT FIXTURE
	SUSPENDED ACOUSTICAL TILE		RECESSED LIGHT FIXTURE
	24" X 24" GRID OPEN TO STRUCTURE		MOUNTED FLUORESCENT EXT. FIXTURE
	CEILING HEIGHT		METAL SOFFIT
			EIFS.

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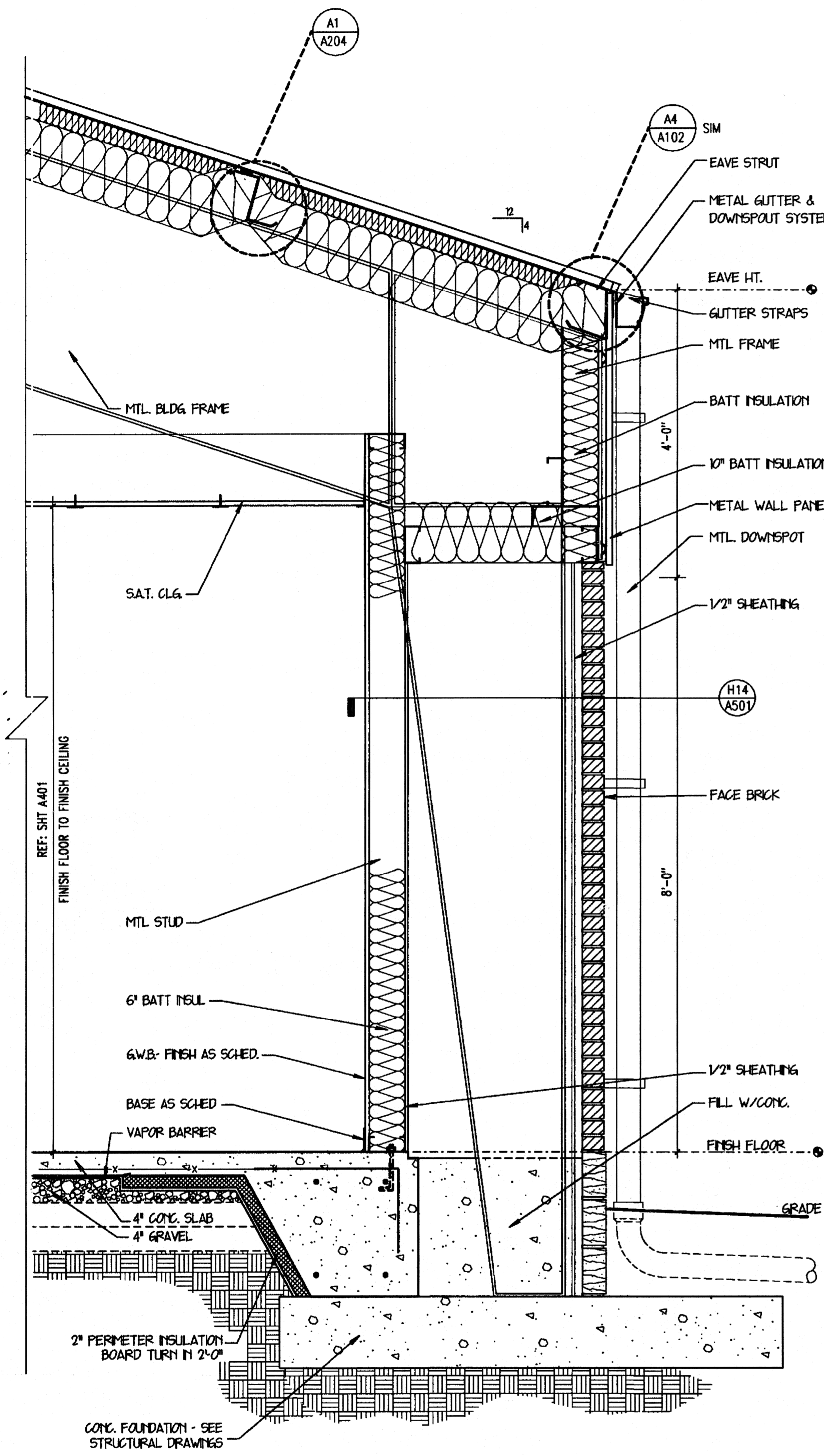
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 Drawing: 06-15-2000
 Plot Date: 06-15-2000

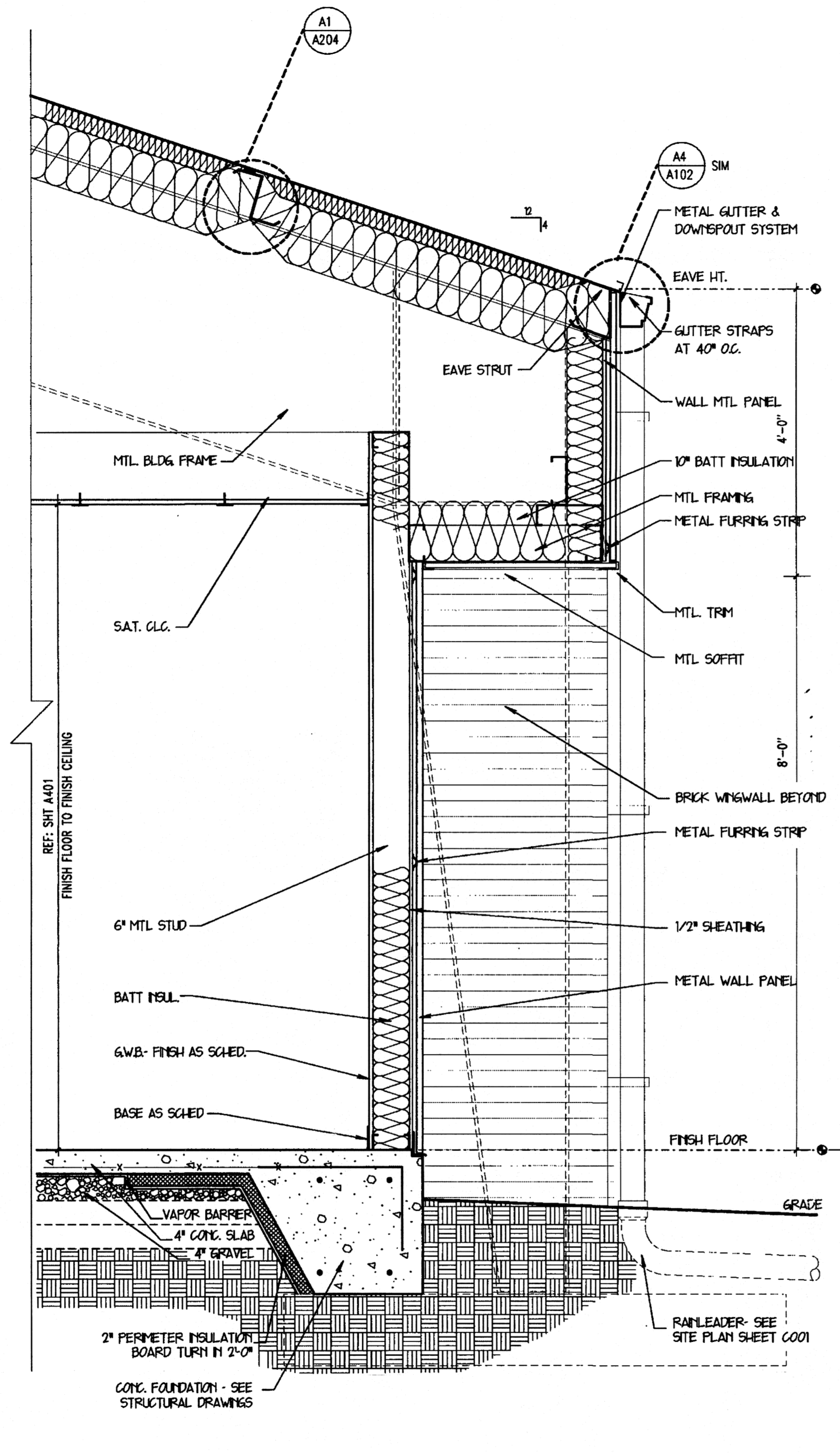
Rev. No. Rev. Date Issue Date
 1 6-7-00 5-25-00
 2 5-25-00 5-25-00

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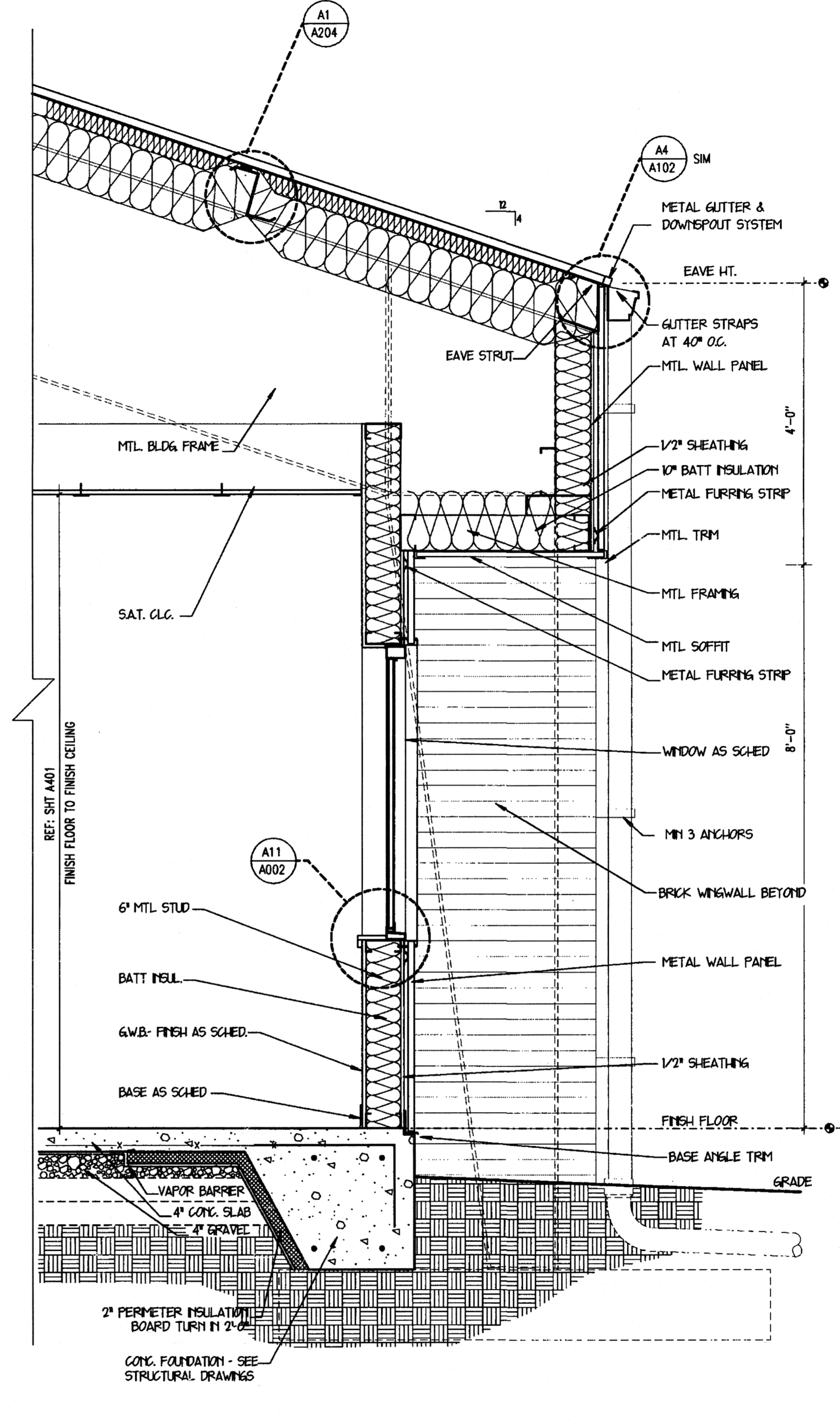
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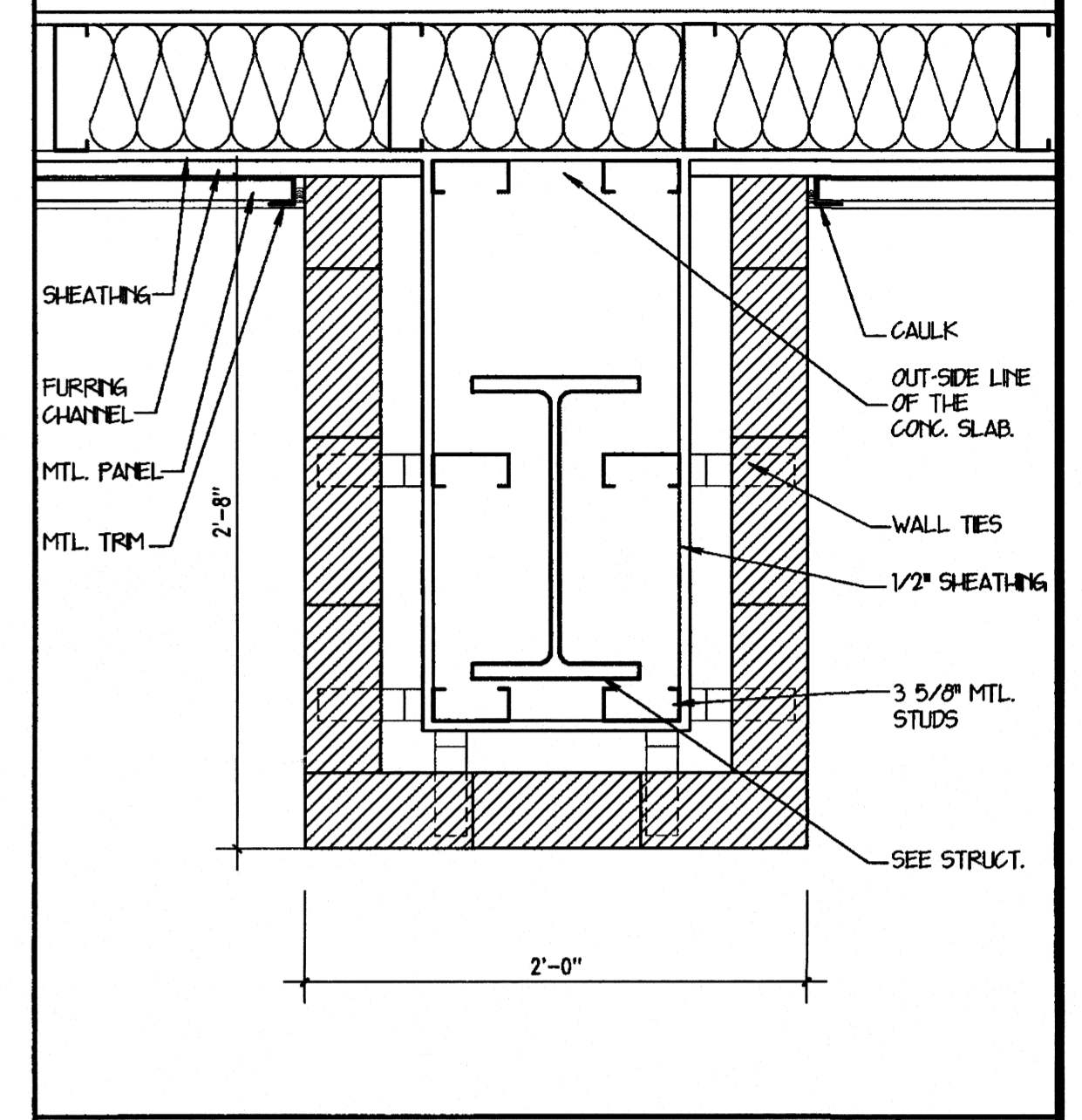
WALL SECTION A1
SCALE: 3/4" = 1'-0"



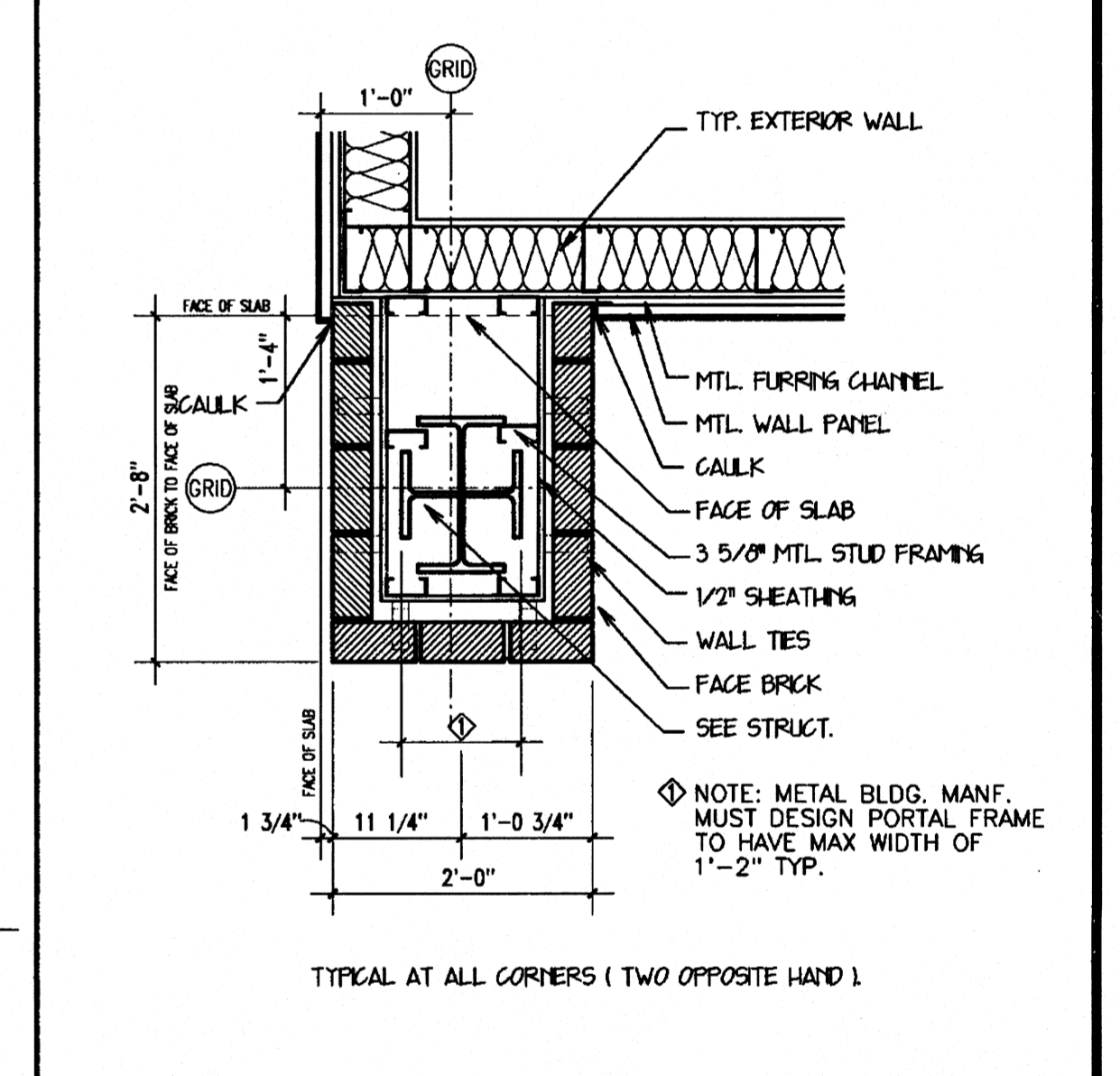
WALL SECTION A5
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WALL SECTION A10
SCALE: 3/4" = 1'-0"



PLAN DETAIL H14
1 1/2" = 1'-0"



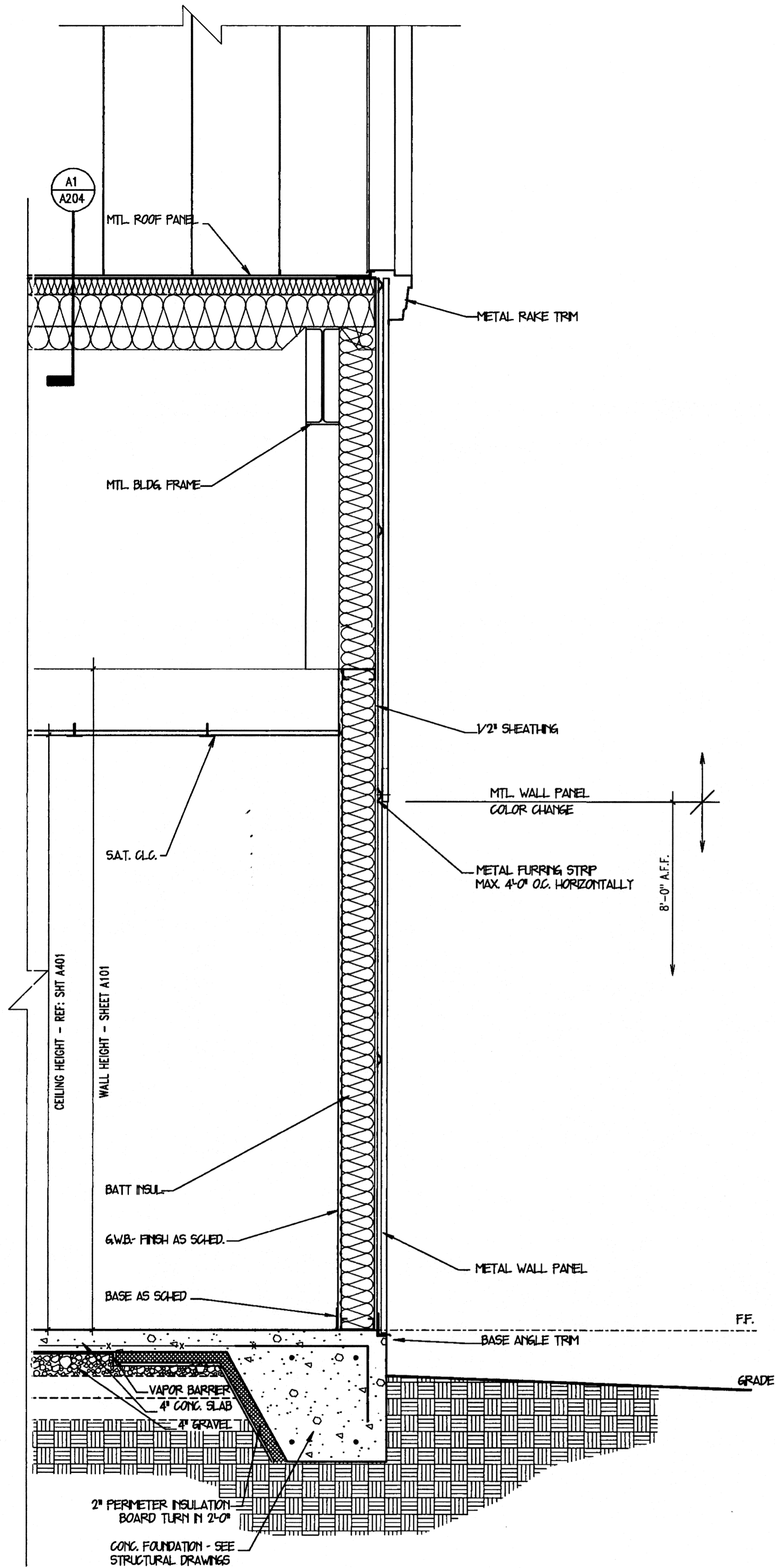
PLAN DETAIL D14
3/4" = 1'-0"

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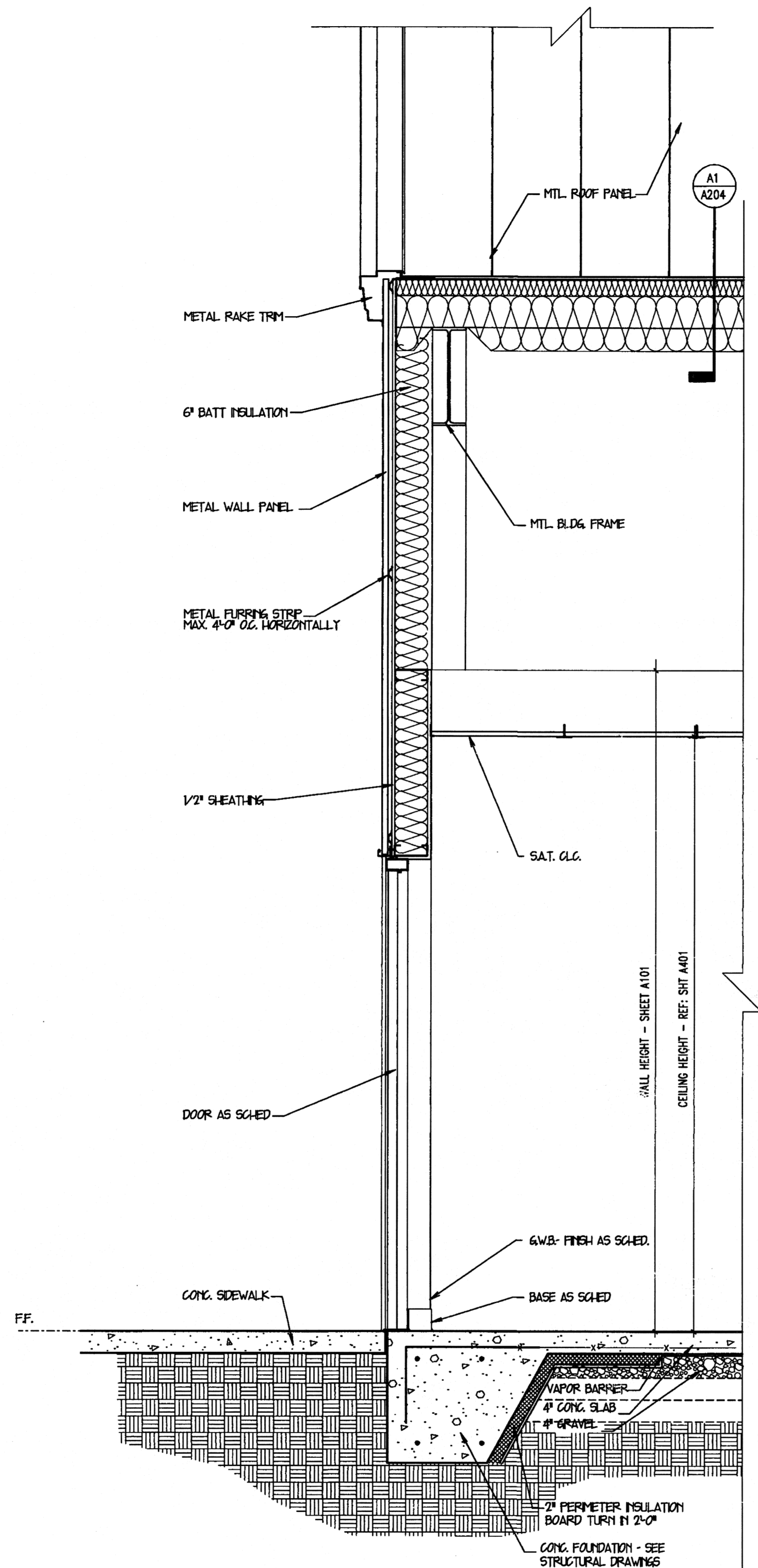
Project Title
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	DRAWING INFO	Rev. No.	Rev. Date	Comp. No.	Comp. Date
	Drawing: 06-15-2000			1265-17	
	Plot Date:			Issue Date	5-25-00
		Rev. No.	Rev. Date		
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		Drawing No.		A501	

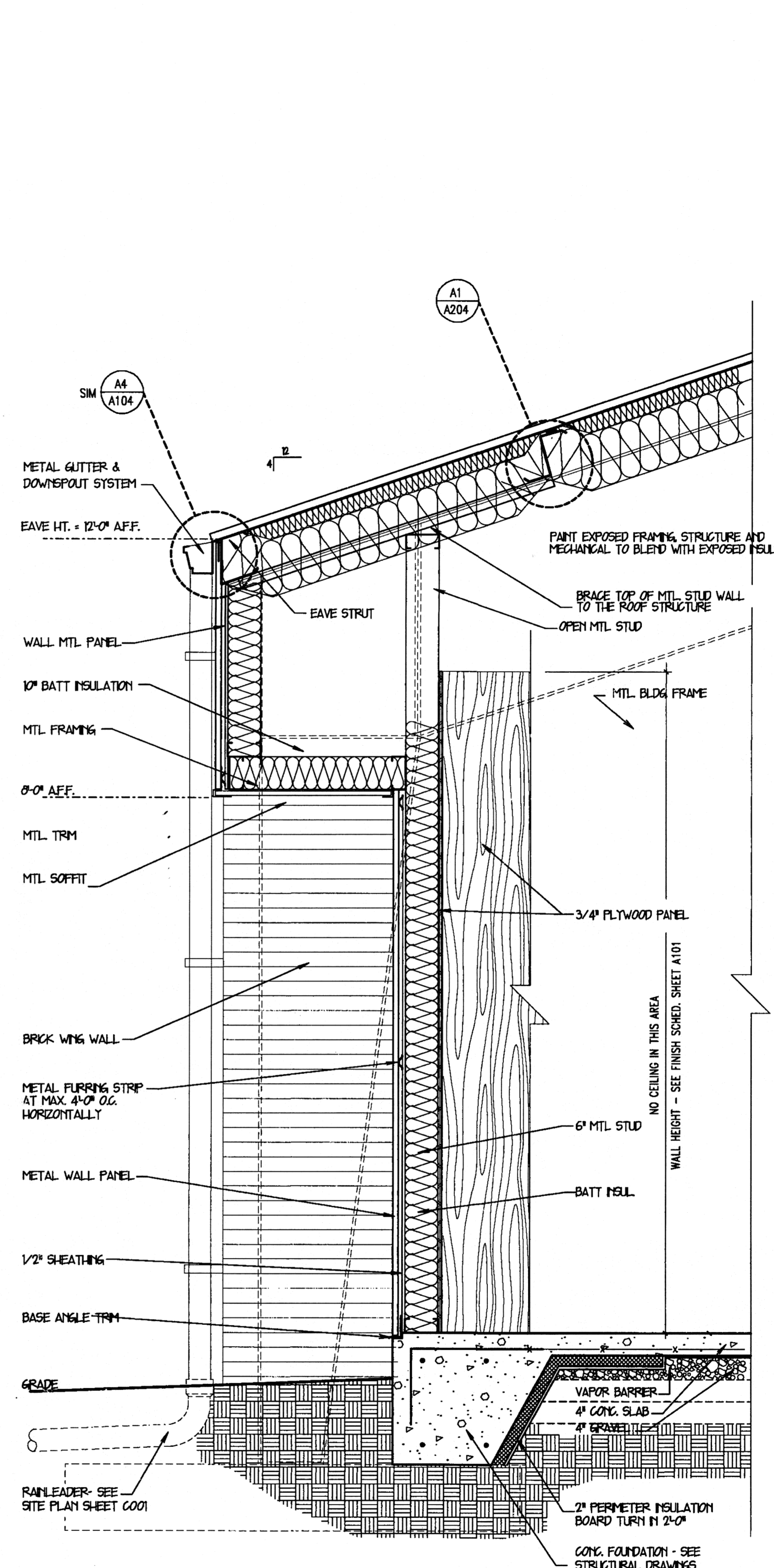
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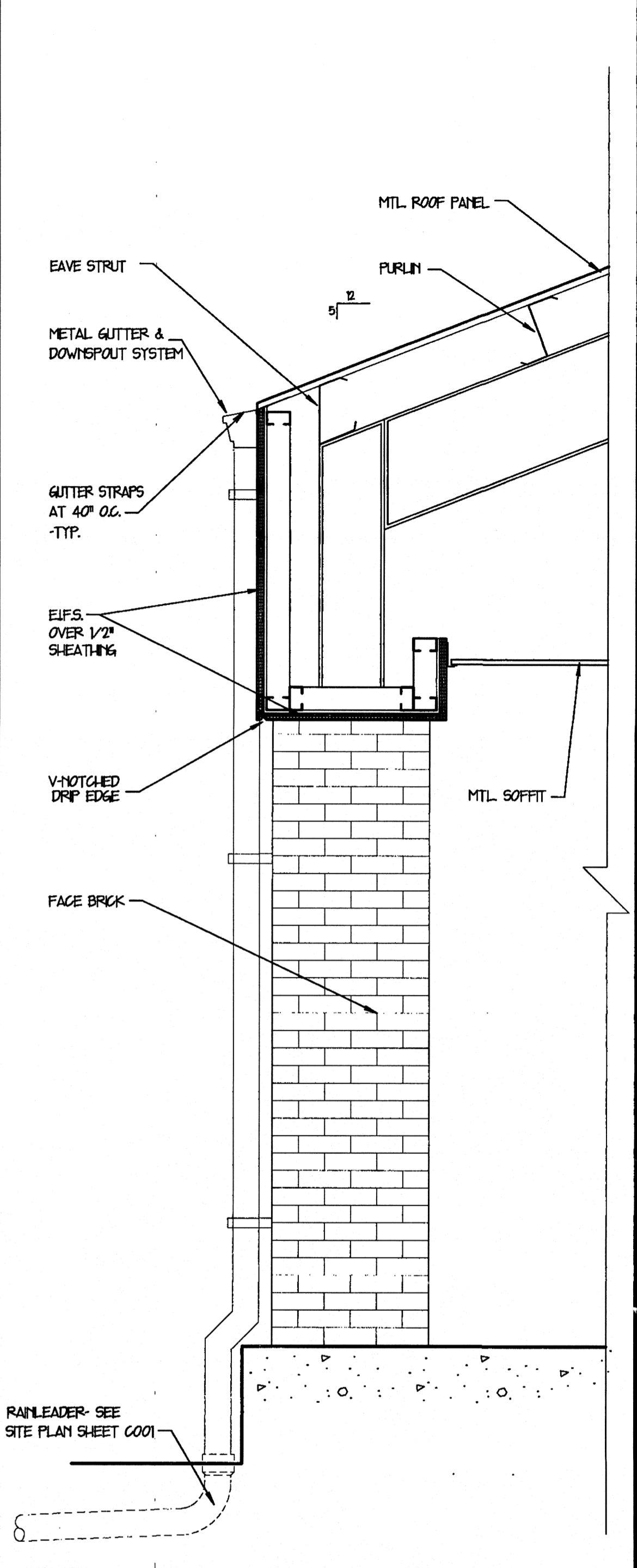
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WALL SECTION A5
3/4" = 1'-0"



WALL SECTION A10
3/4" = 1'-0"



DETAIL (CANOPY) D14
3/4" = 1'-0"

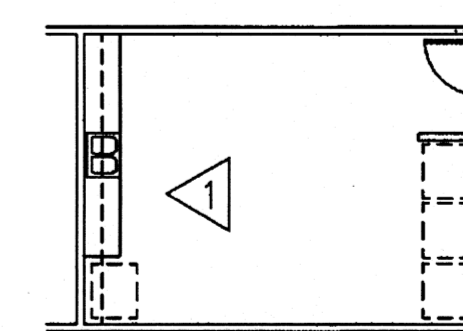
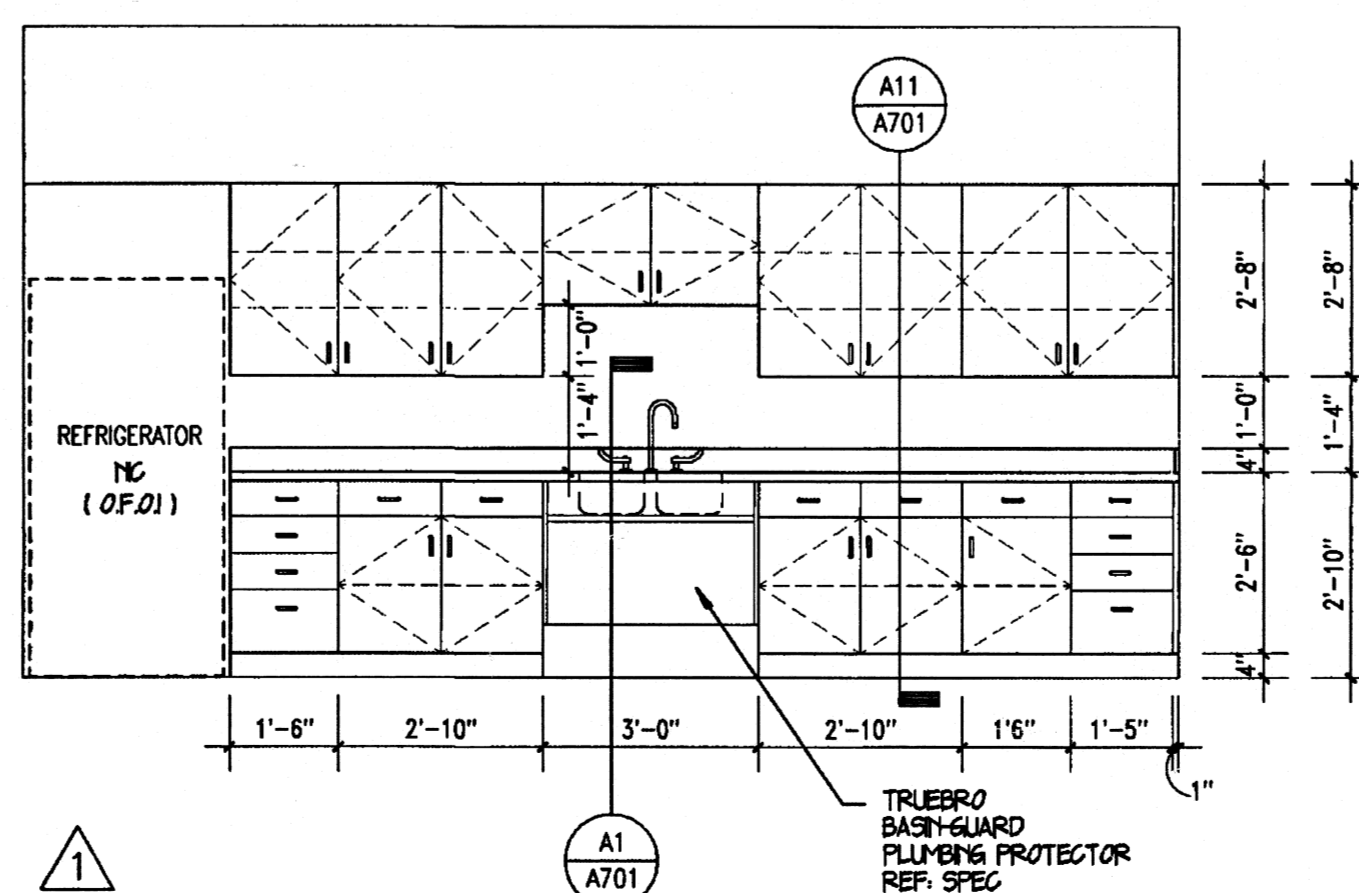
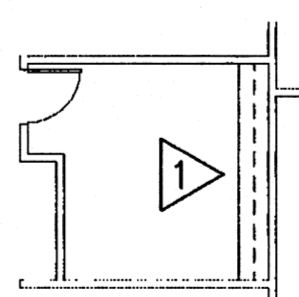
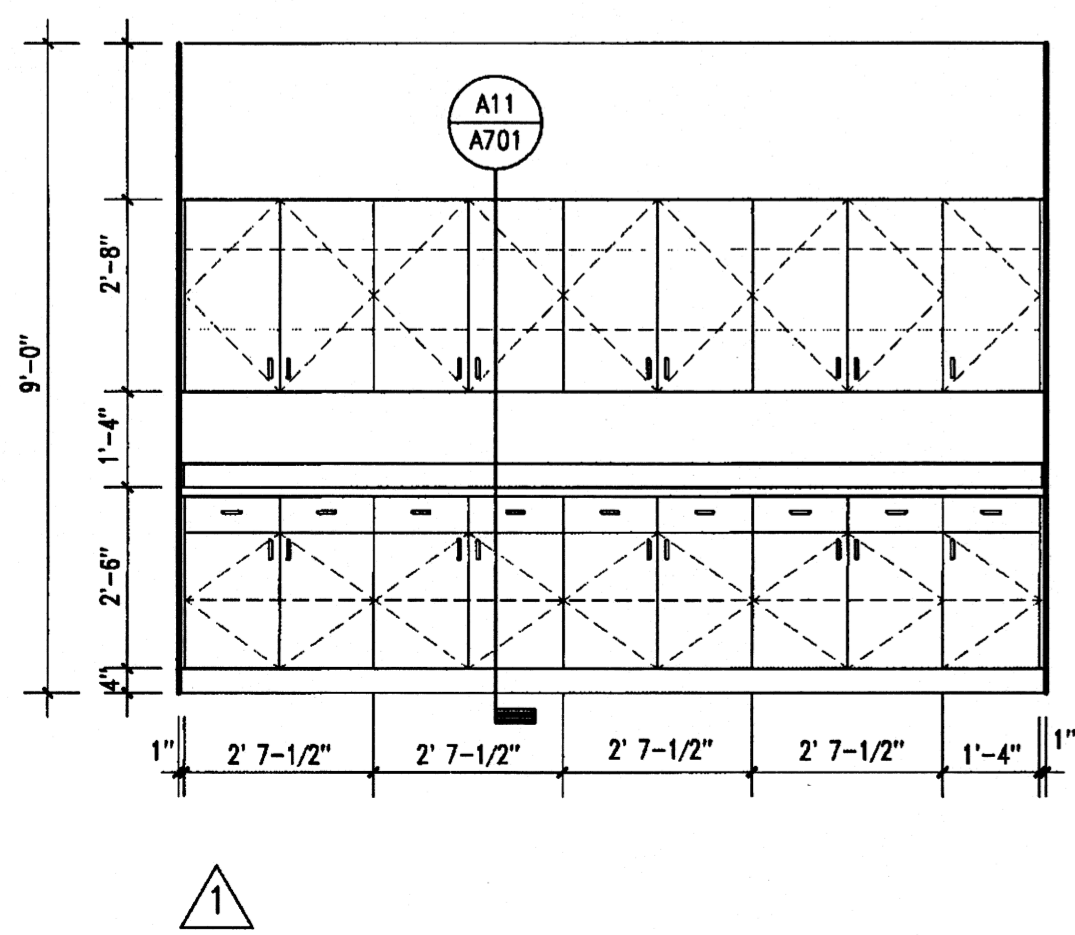
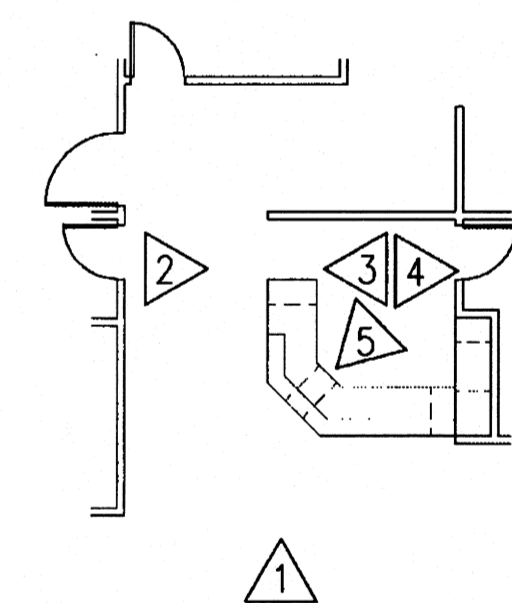
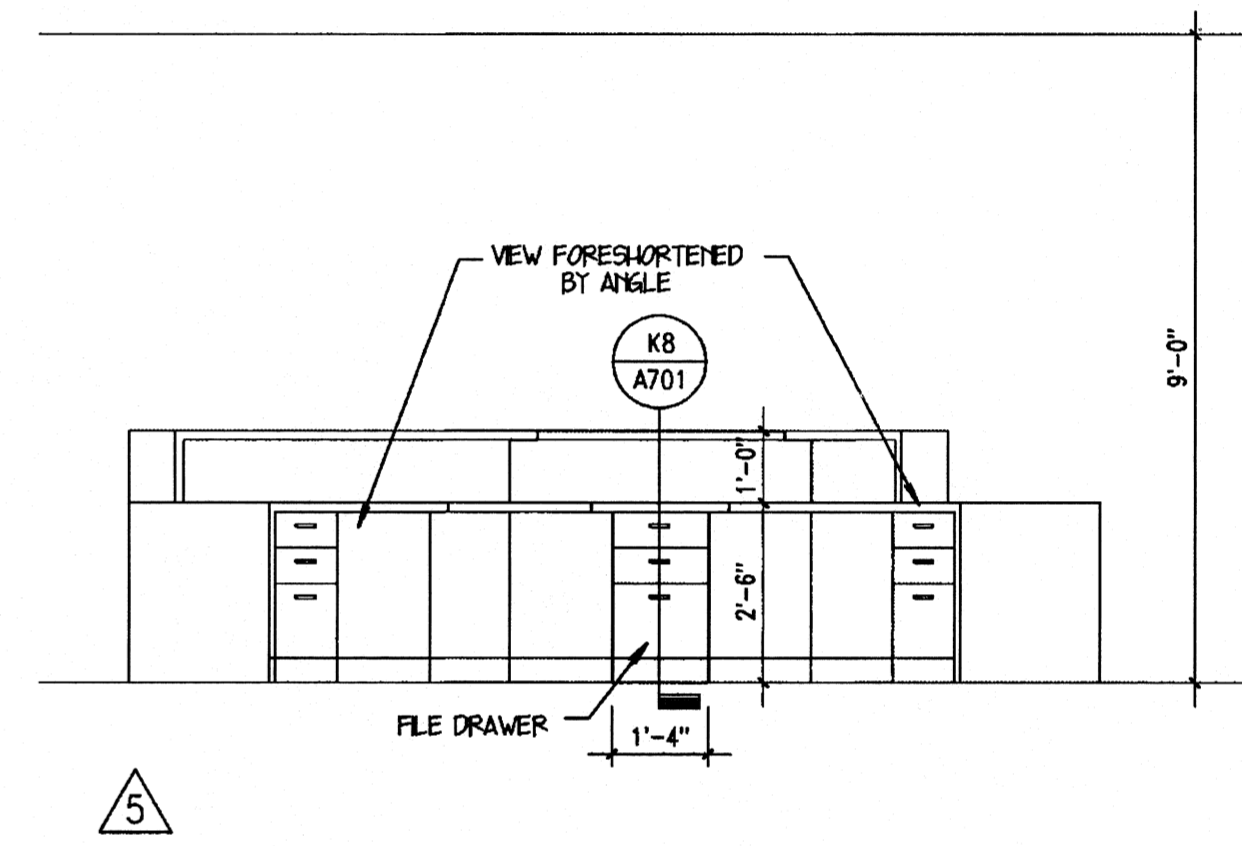
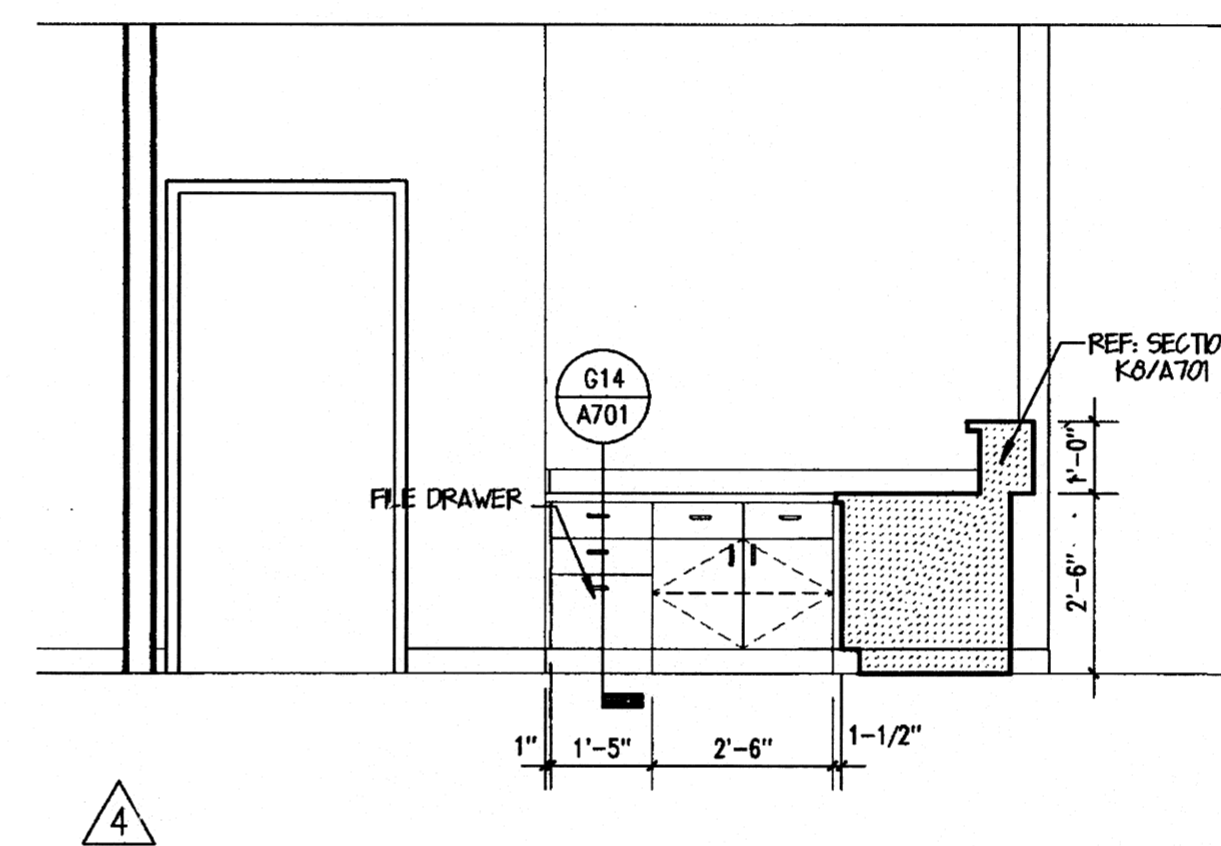
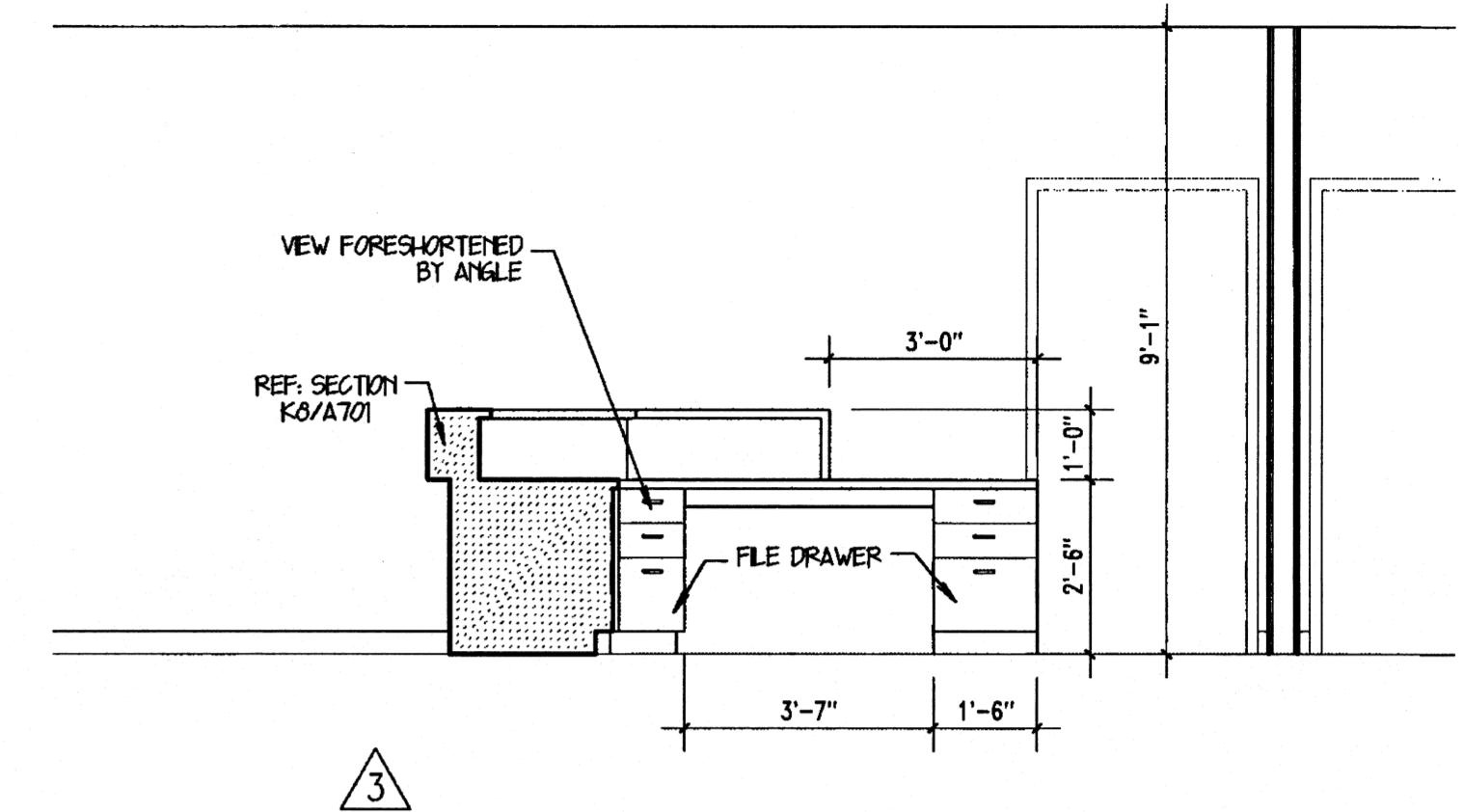
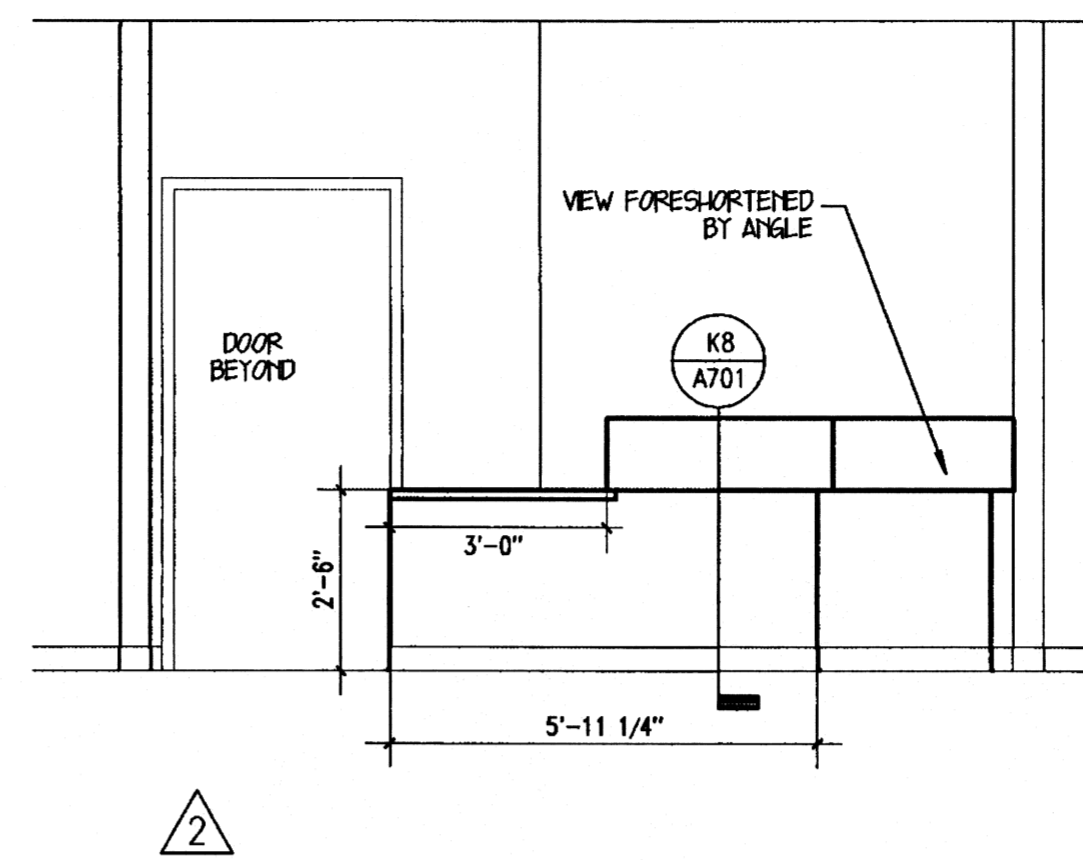
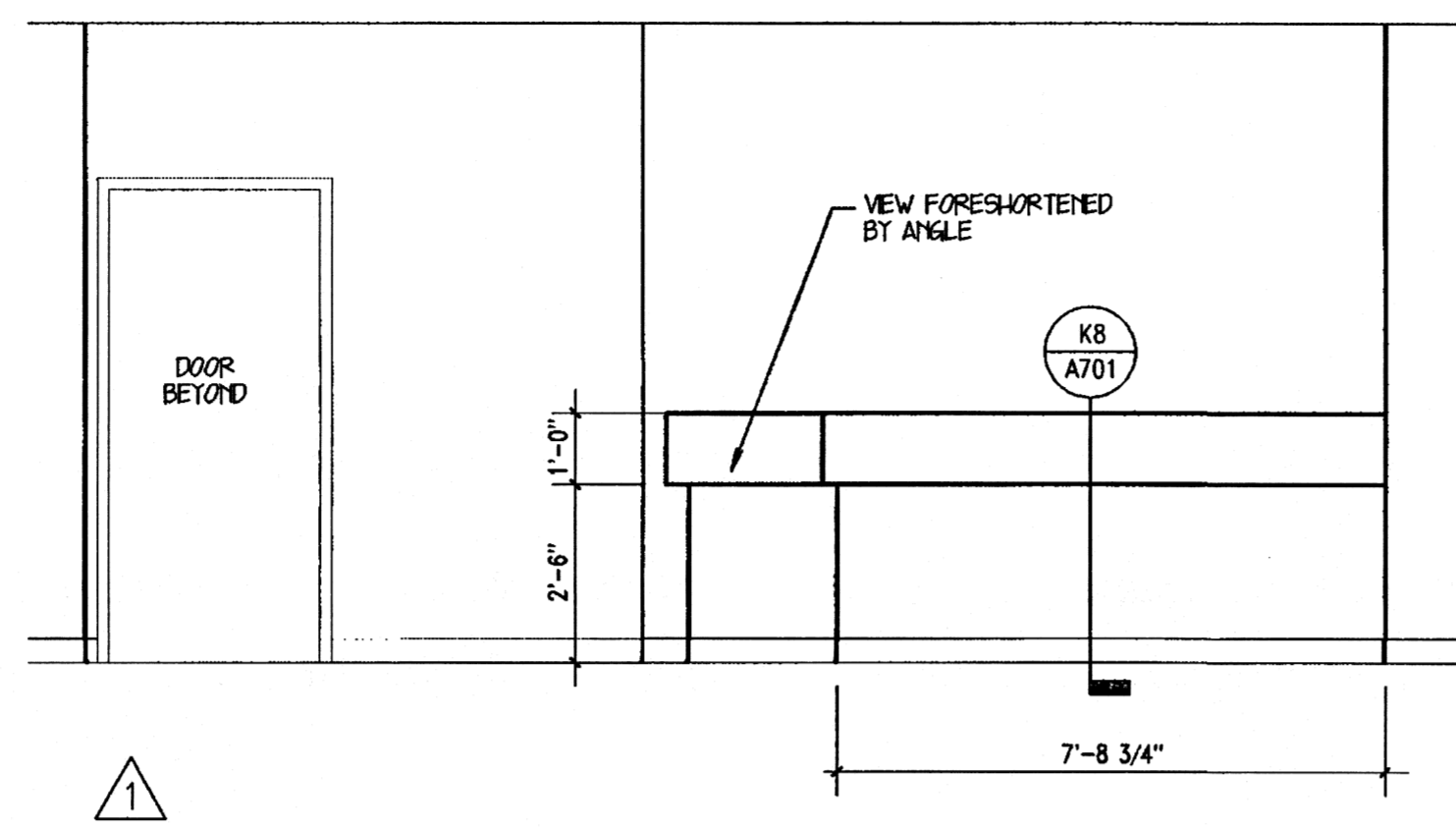
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Drawing:	06-15-2000	1		2000
Plot Date:		2	5-25-00	
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		15		
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RECEPTION 100
3/8" = 1'-0" D8

OFFICE WORK STORAGE 100A
3/8" = 1'-0" A1

BREAK ROOM 106
3/8" = 1'-0" A6

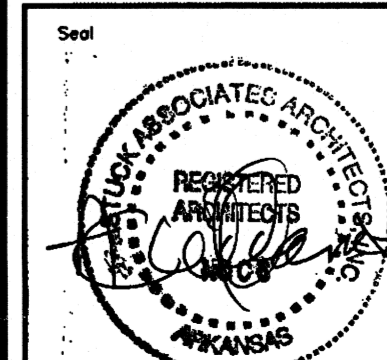
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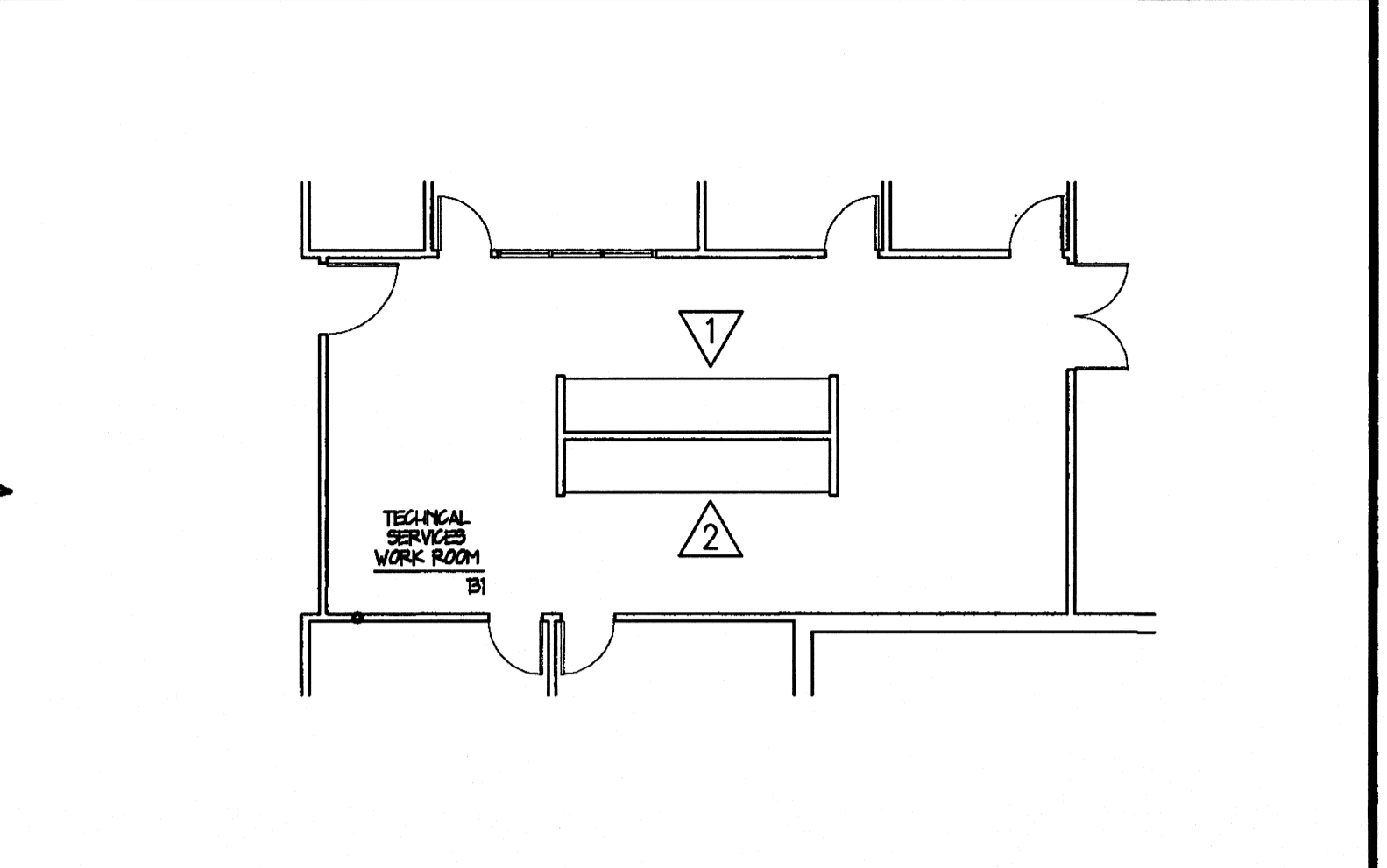
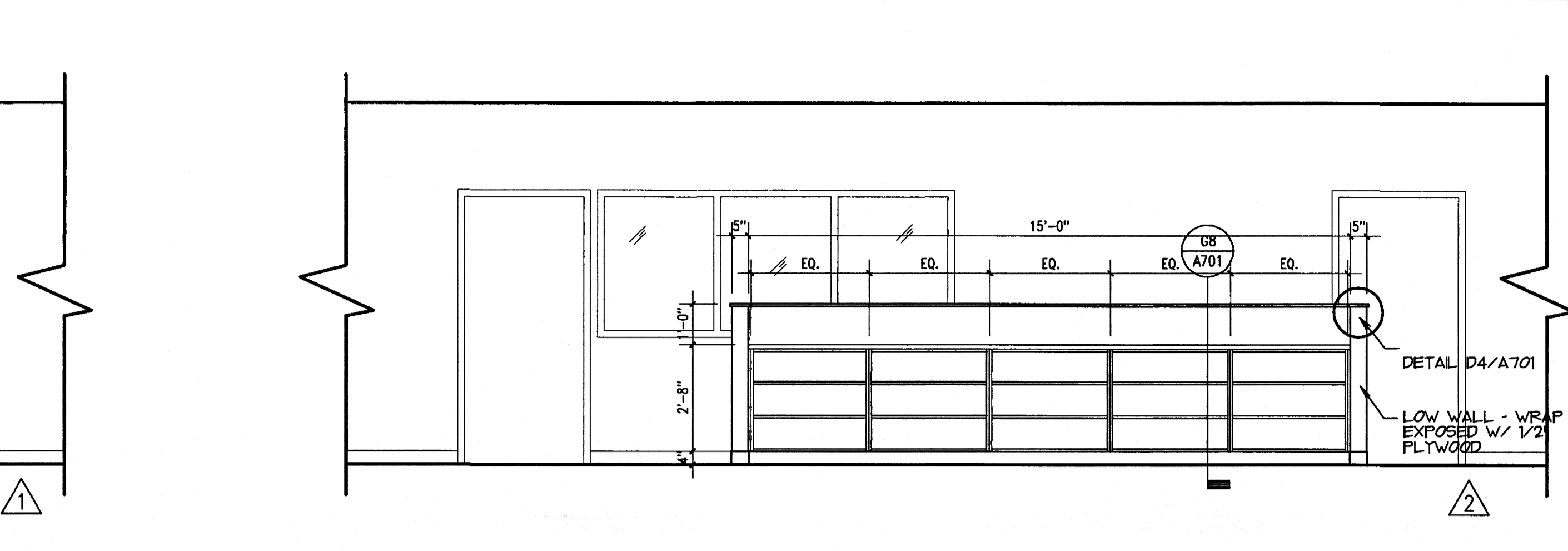
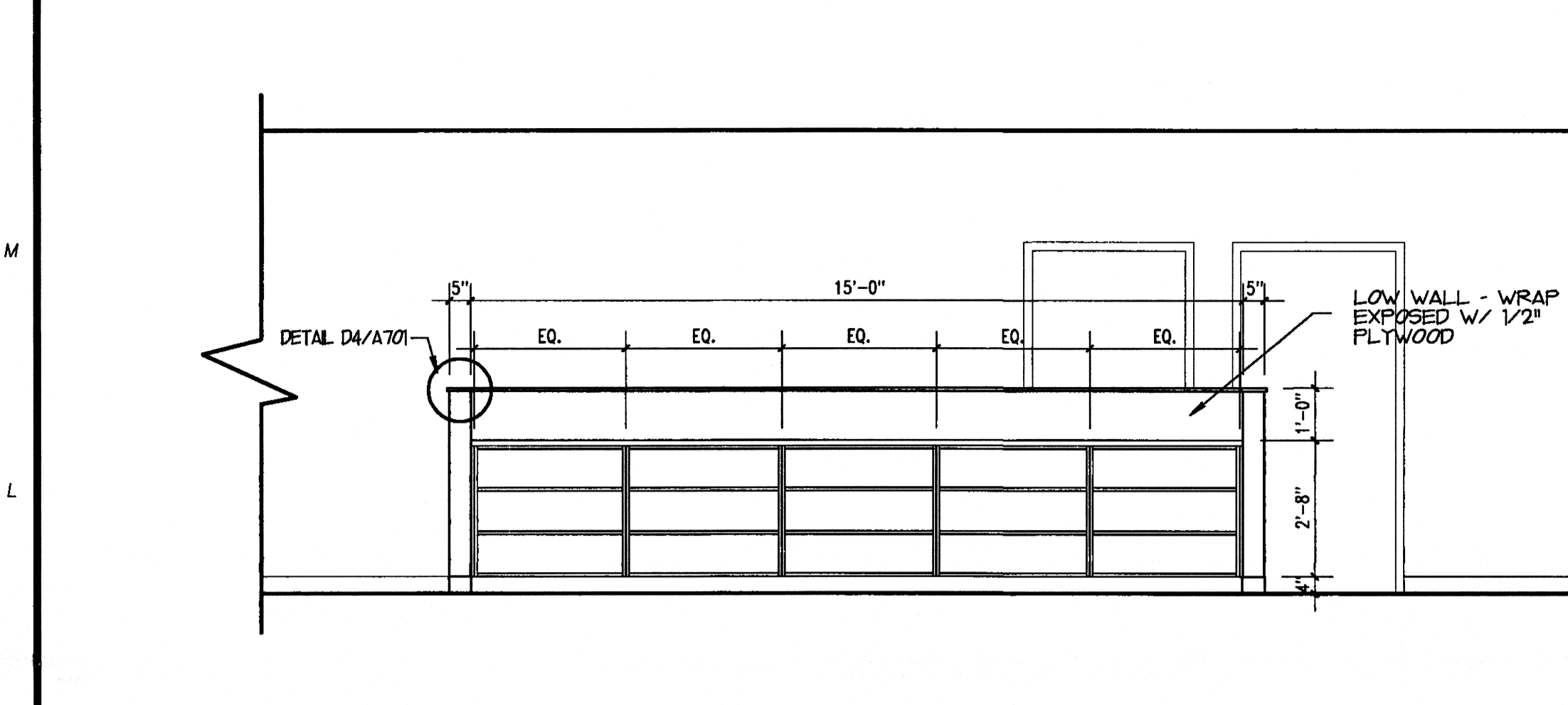
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Rev. No.	Rev. Date	Commission No.
1	6-6-00	F285-97
		Issue Date
		5-25-00
Drawing No.		
A601		

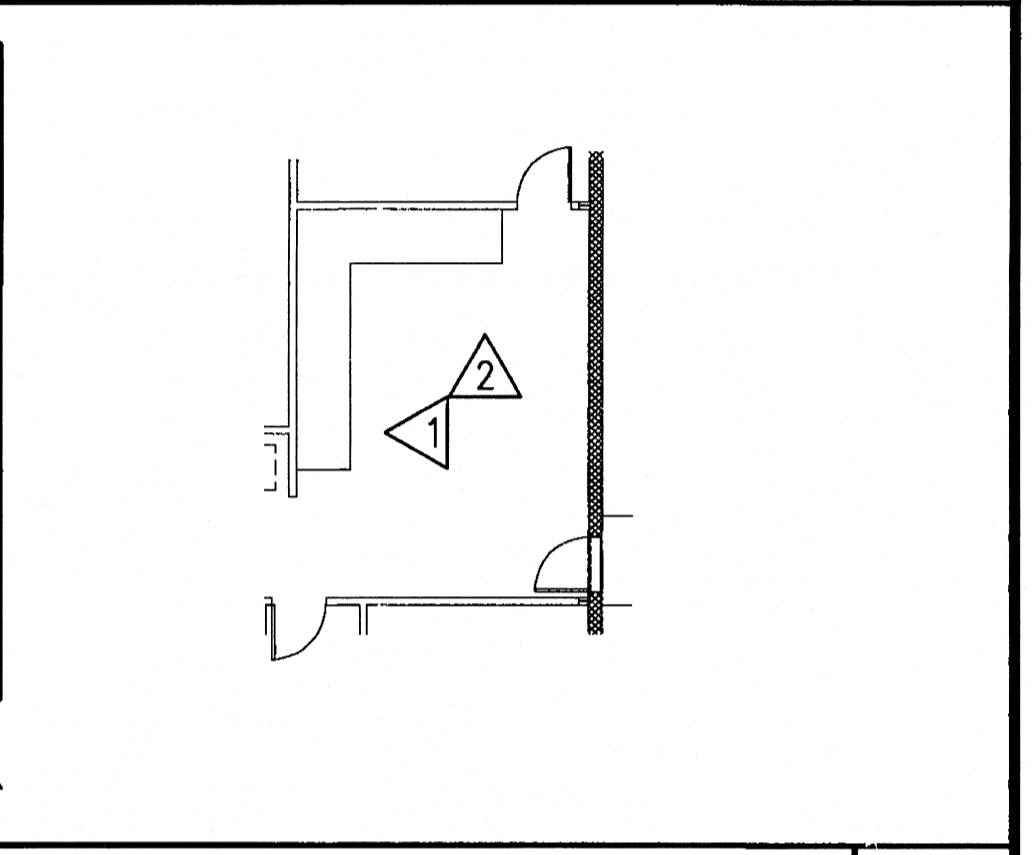
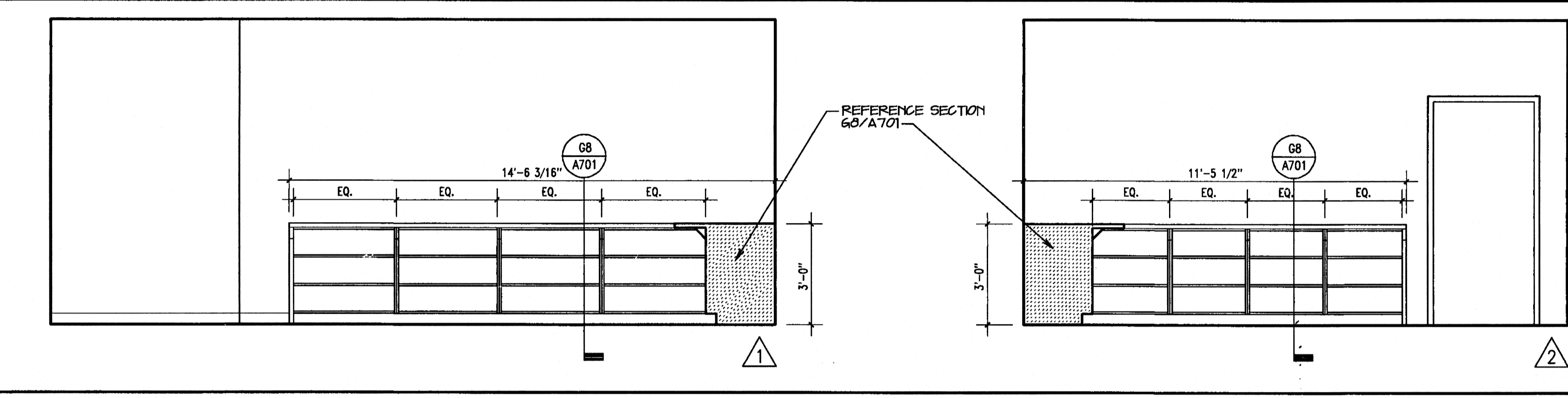
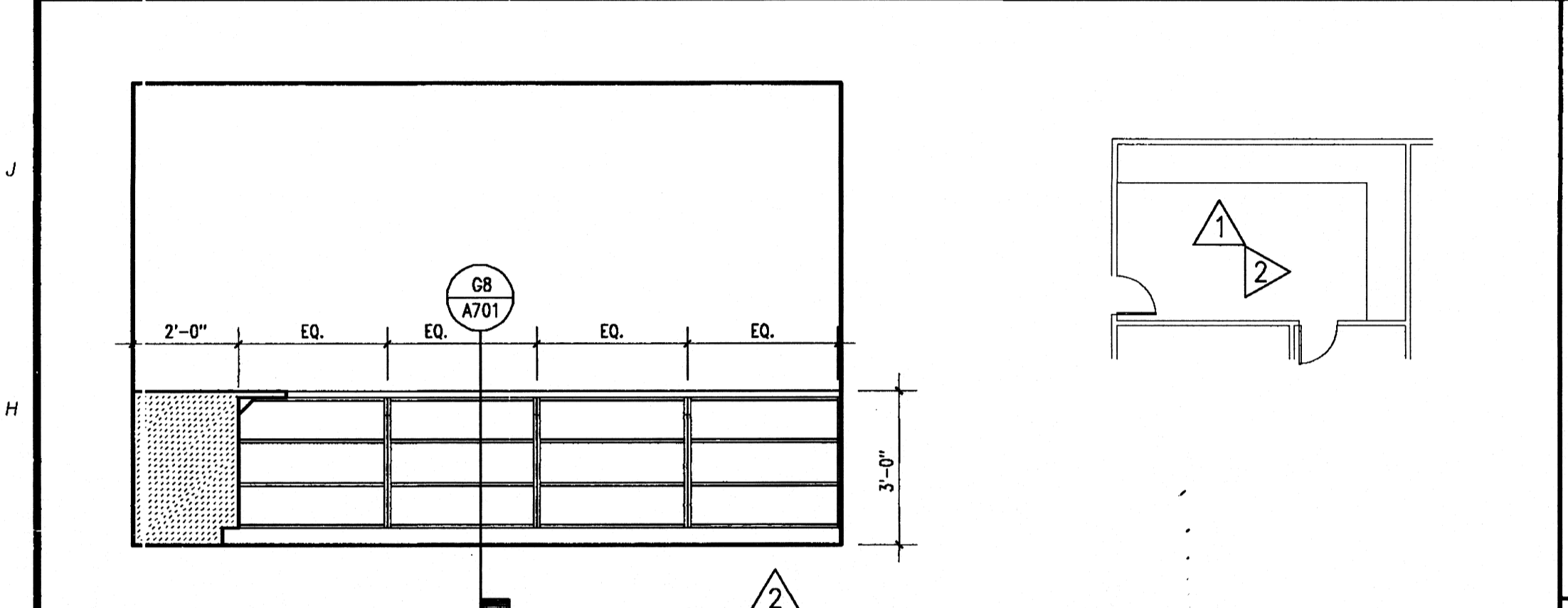


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Plot Date:

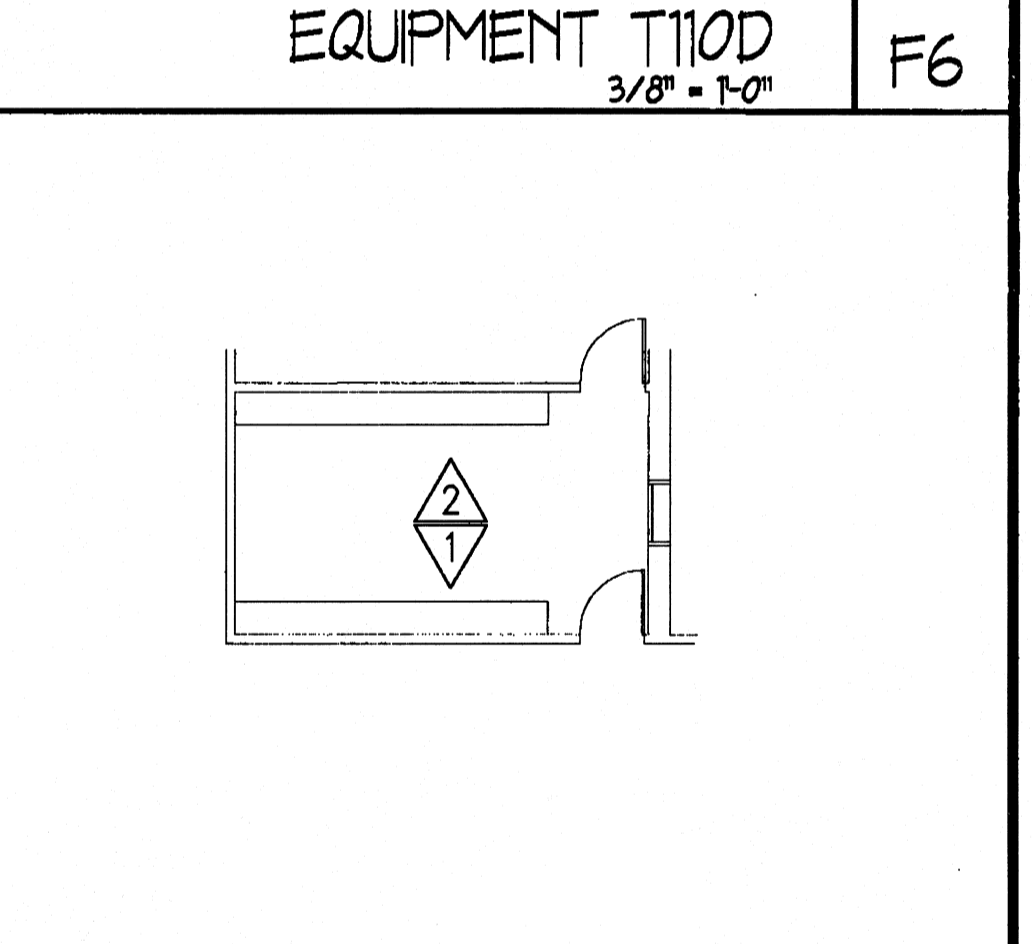
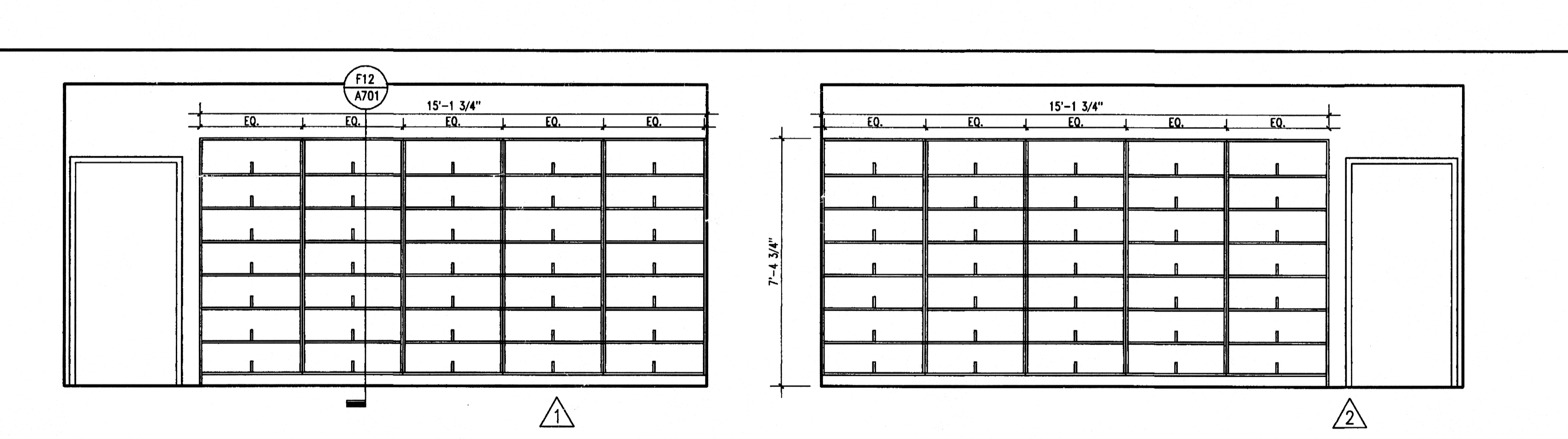
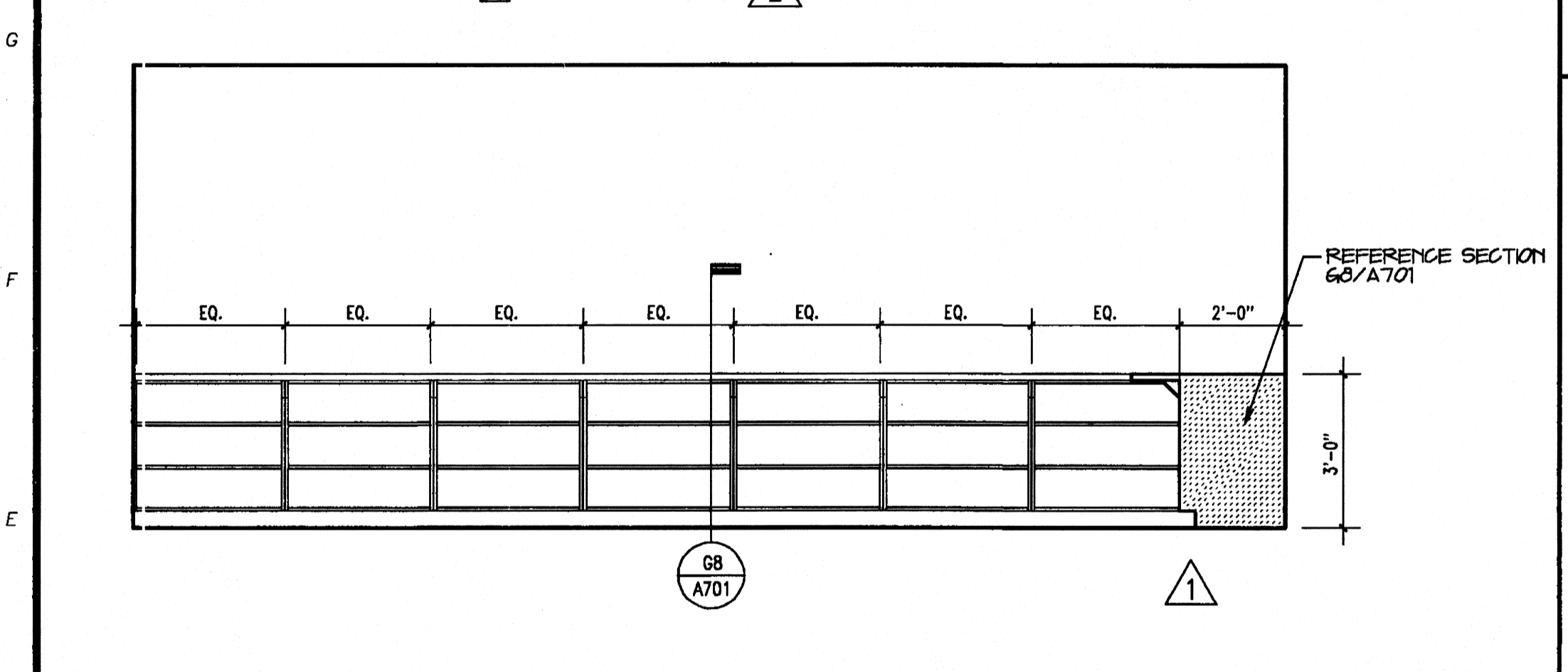
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TECHNICAL SERVICES WORK ROOM 131
3/8" = 1'-0" J1

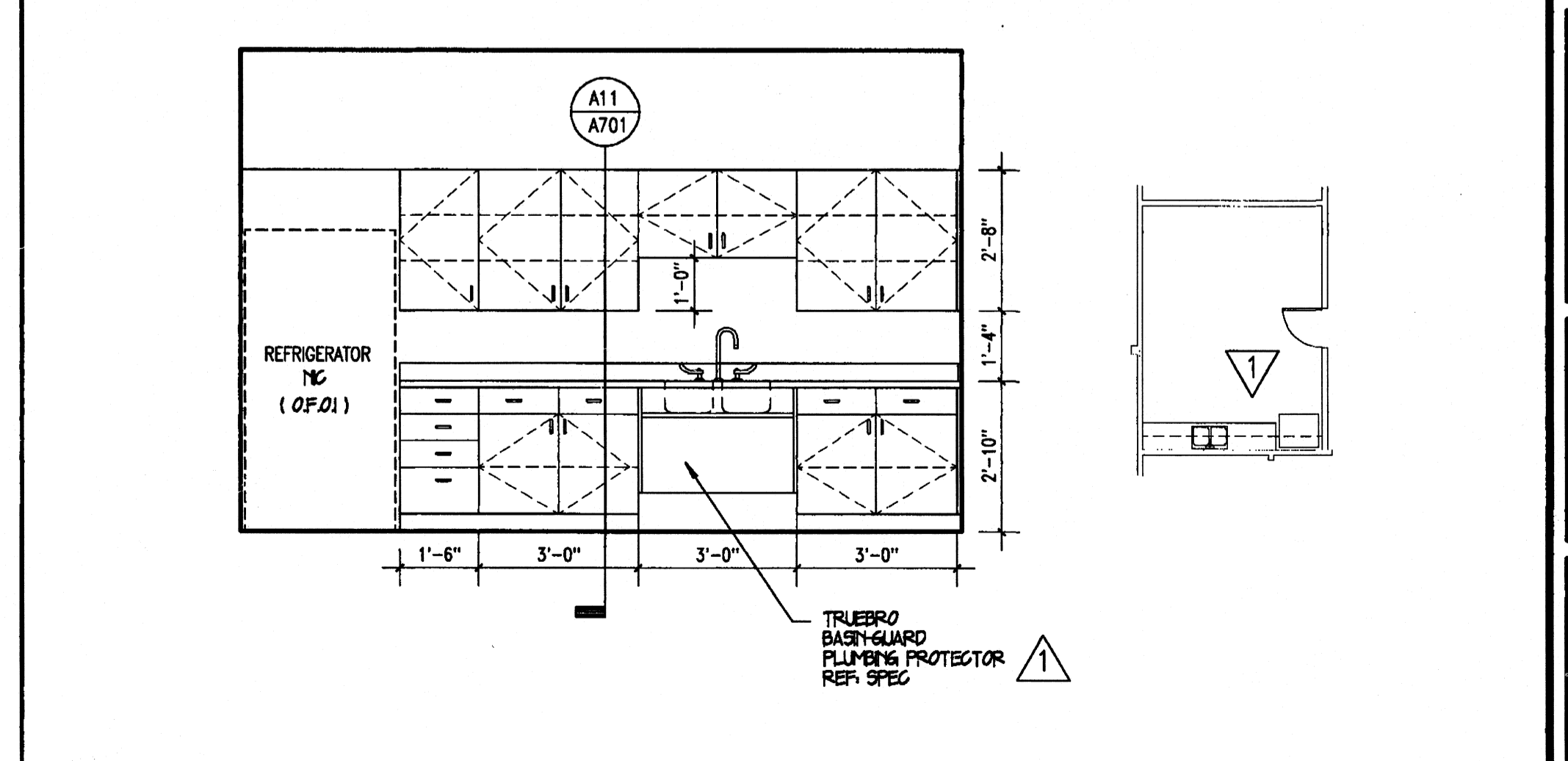
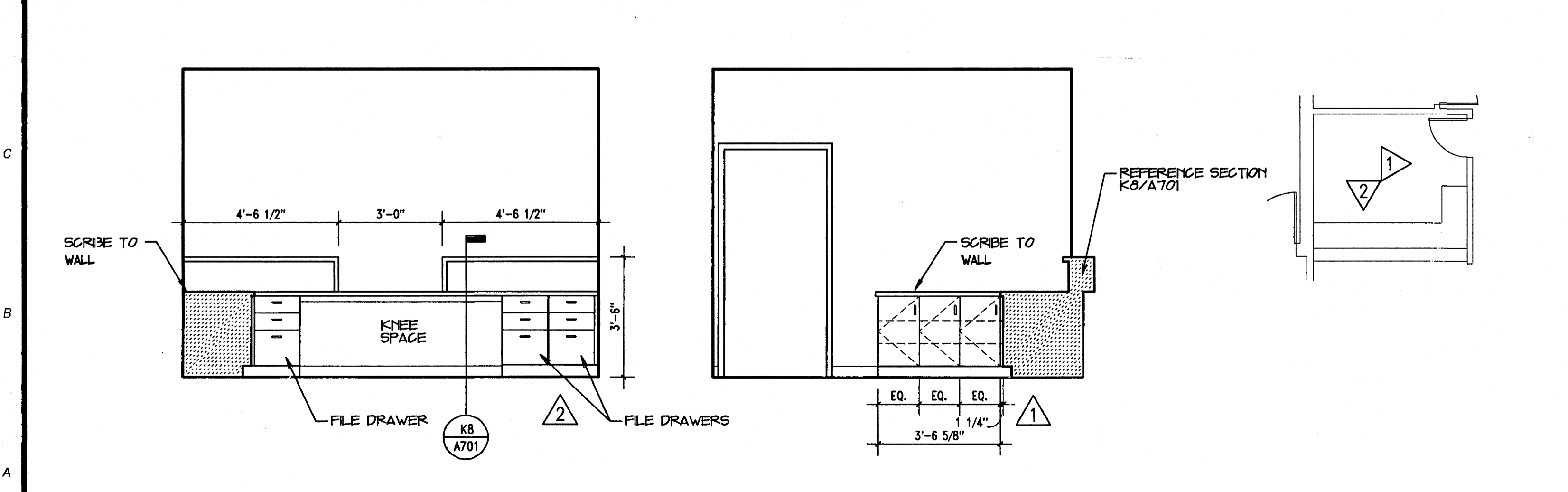


EQUIPMENT T110D
3/8" = 1'-0" F6



NETWORK SERVICES WORK ROOM 111
3/8" = 1'-0" D1

CONTROLL MODULE 136
3/8" = 1'-0" D6



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Seal: [Professional Seal]

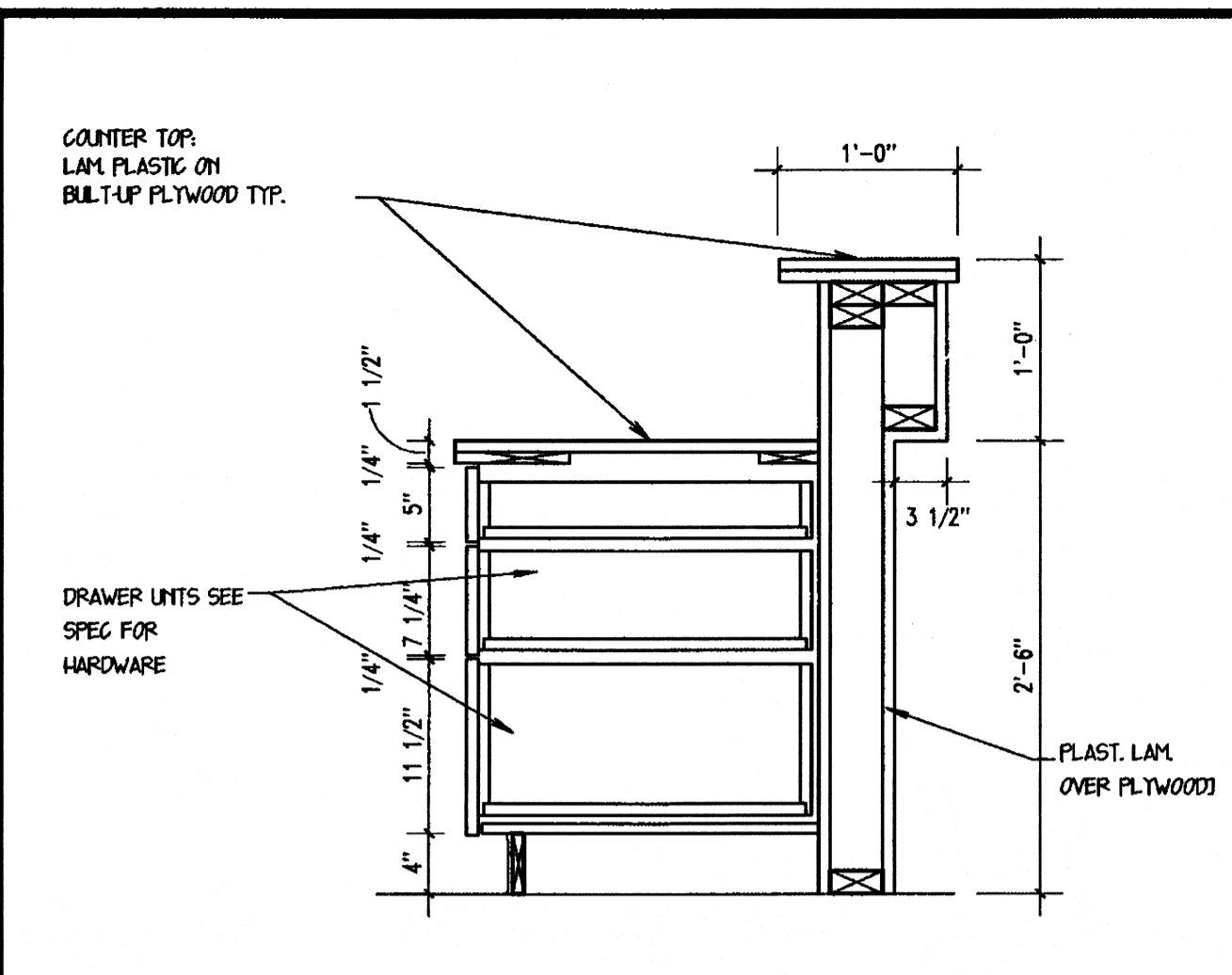
DRAWING INFO
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 Date: 12-6-00
 Issue Date: 5-25-00

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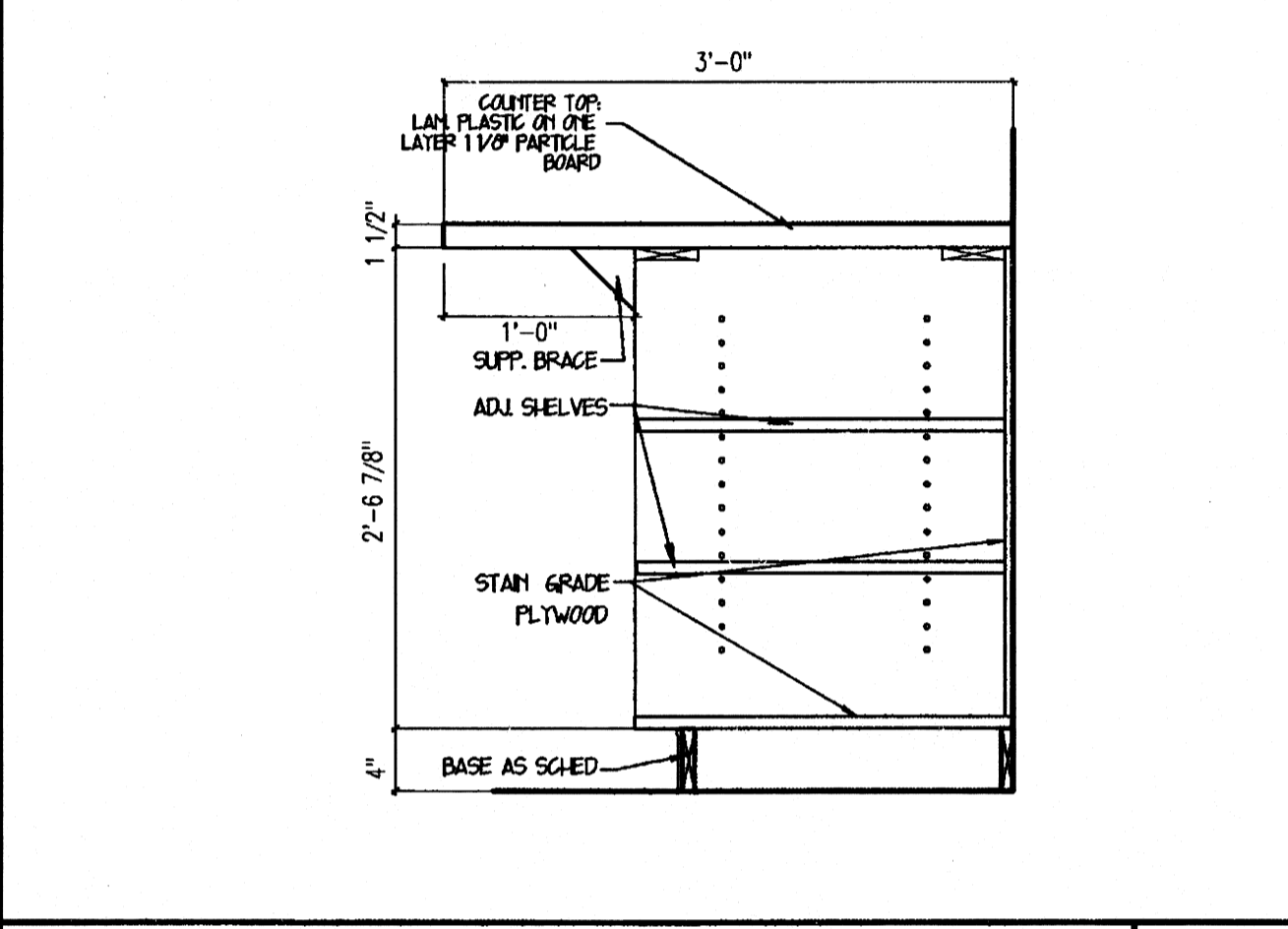
Drawing No. **A602**

RECEPTION T100
3/8" = 1'-0" A1

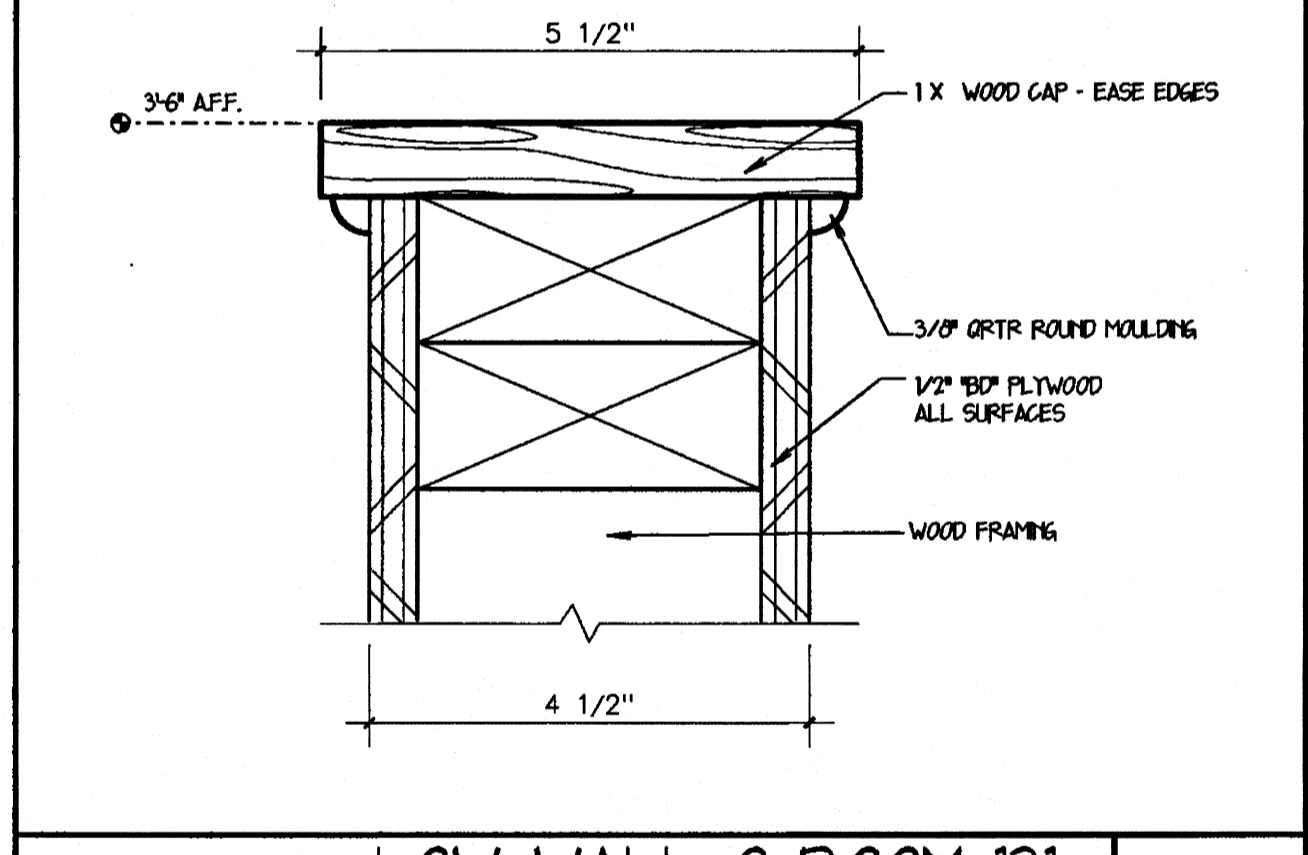
BREAK ROOM T10A
3/8" = 1'-0" A9



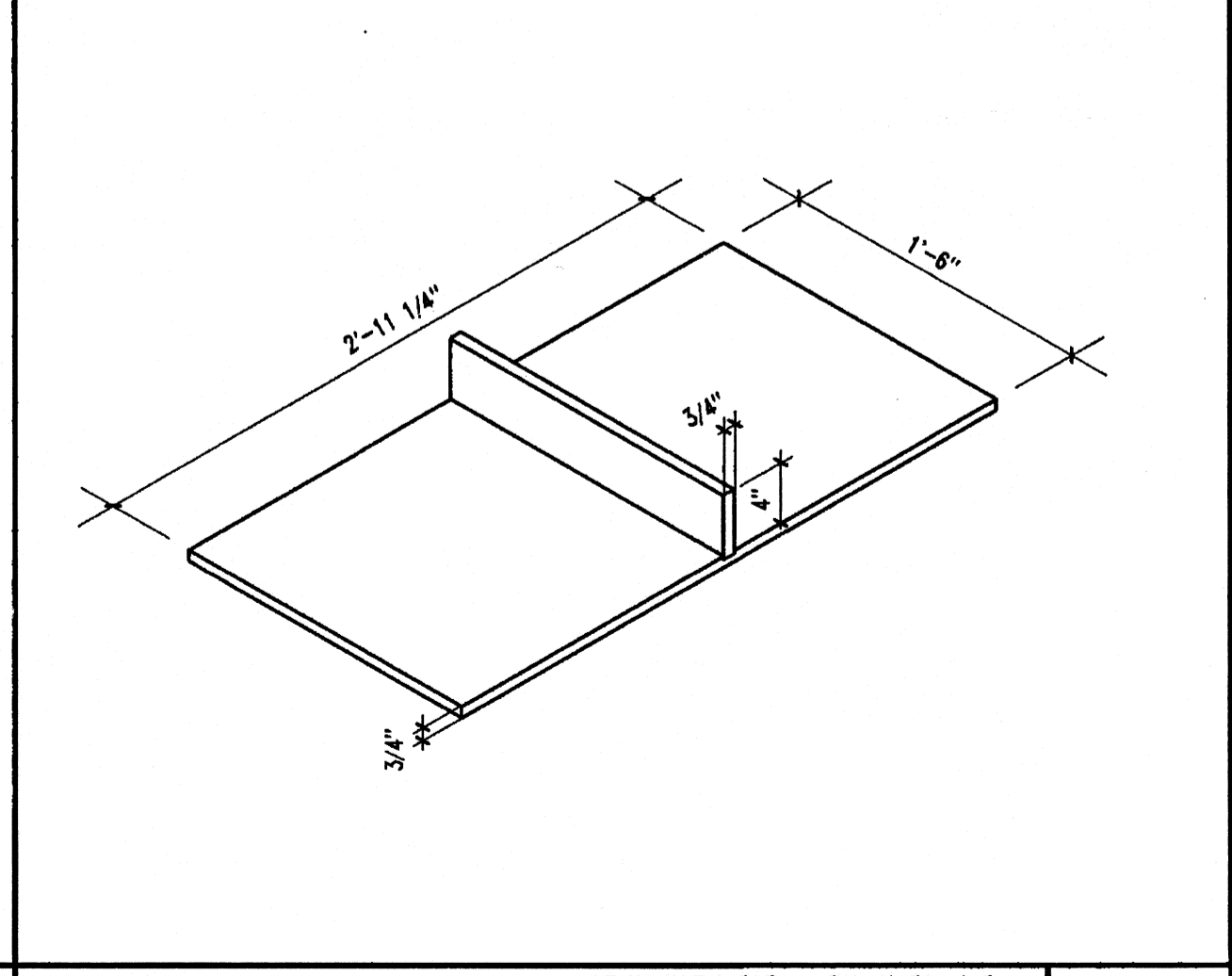
RECEPTION COUNTER
T¹ = 10"
K8



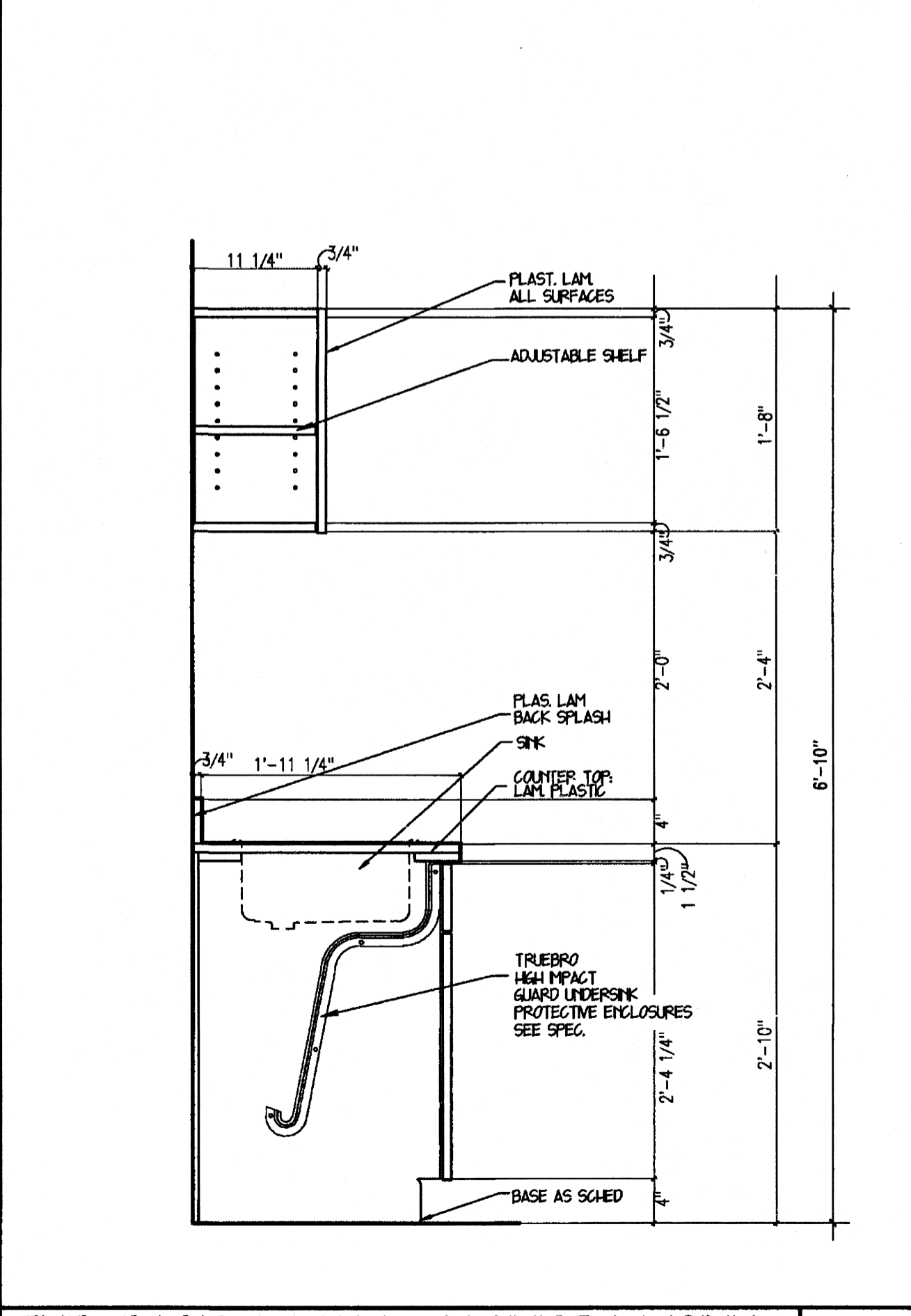
WORK TABLE
T¹ = 10"
G8



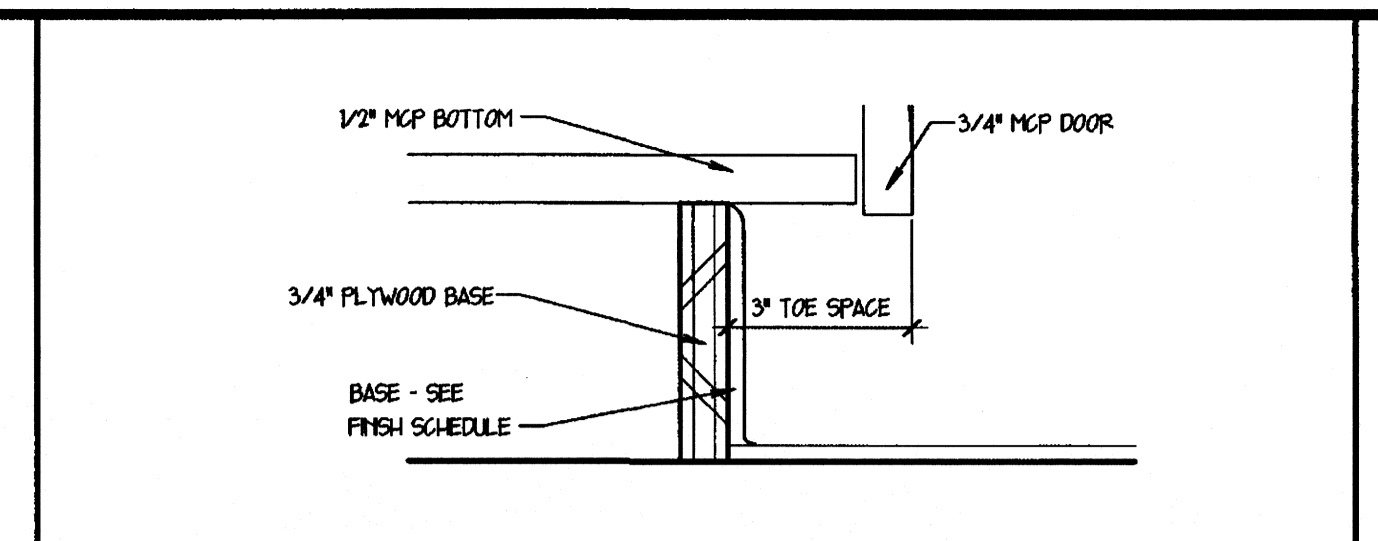
LOW WALL @ ROOM 131
HALF SIZE
D4



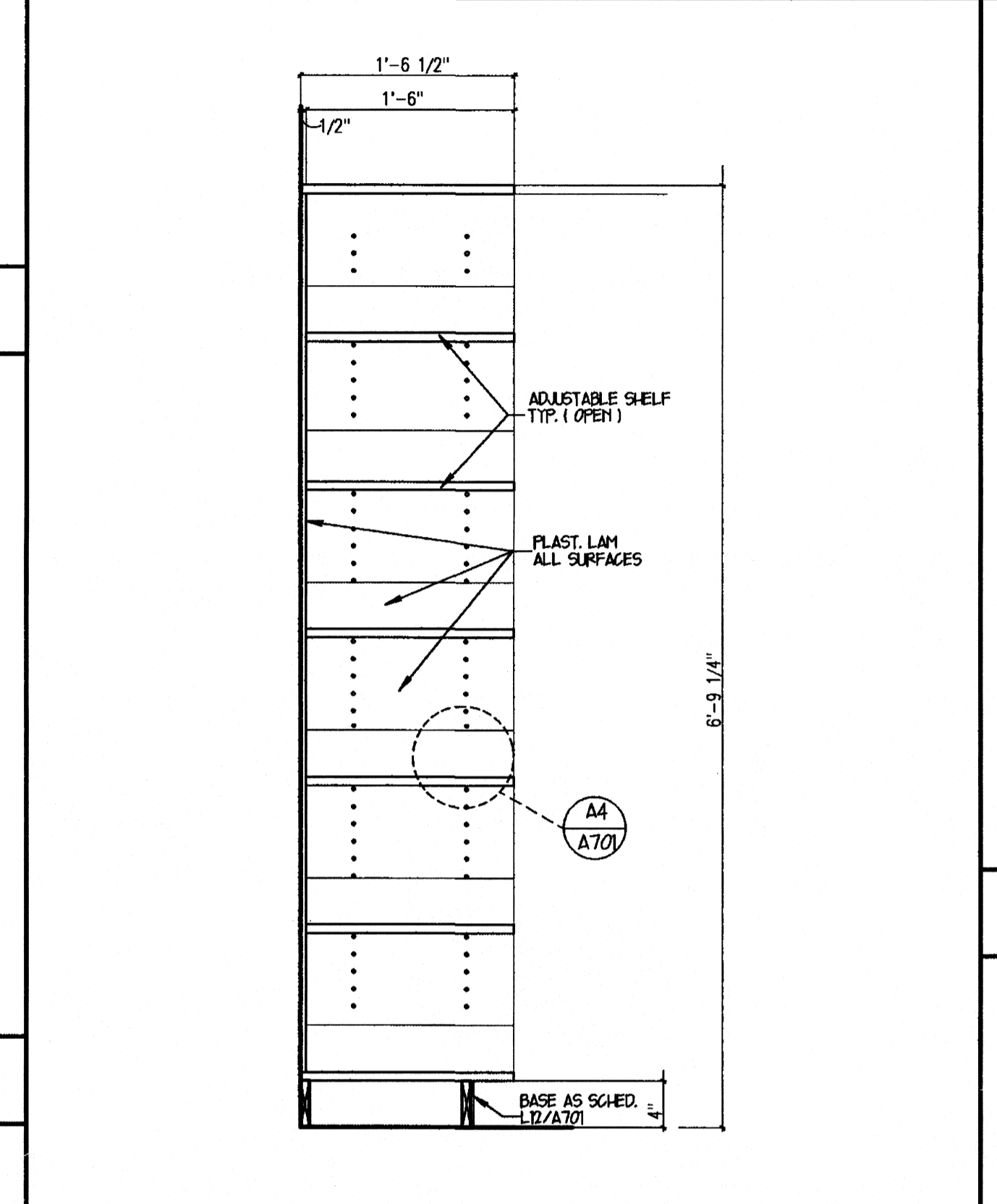
DIVIDED SHELF
T¹ = 10"
A4



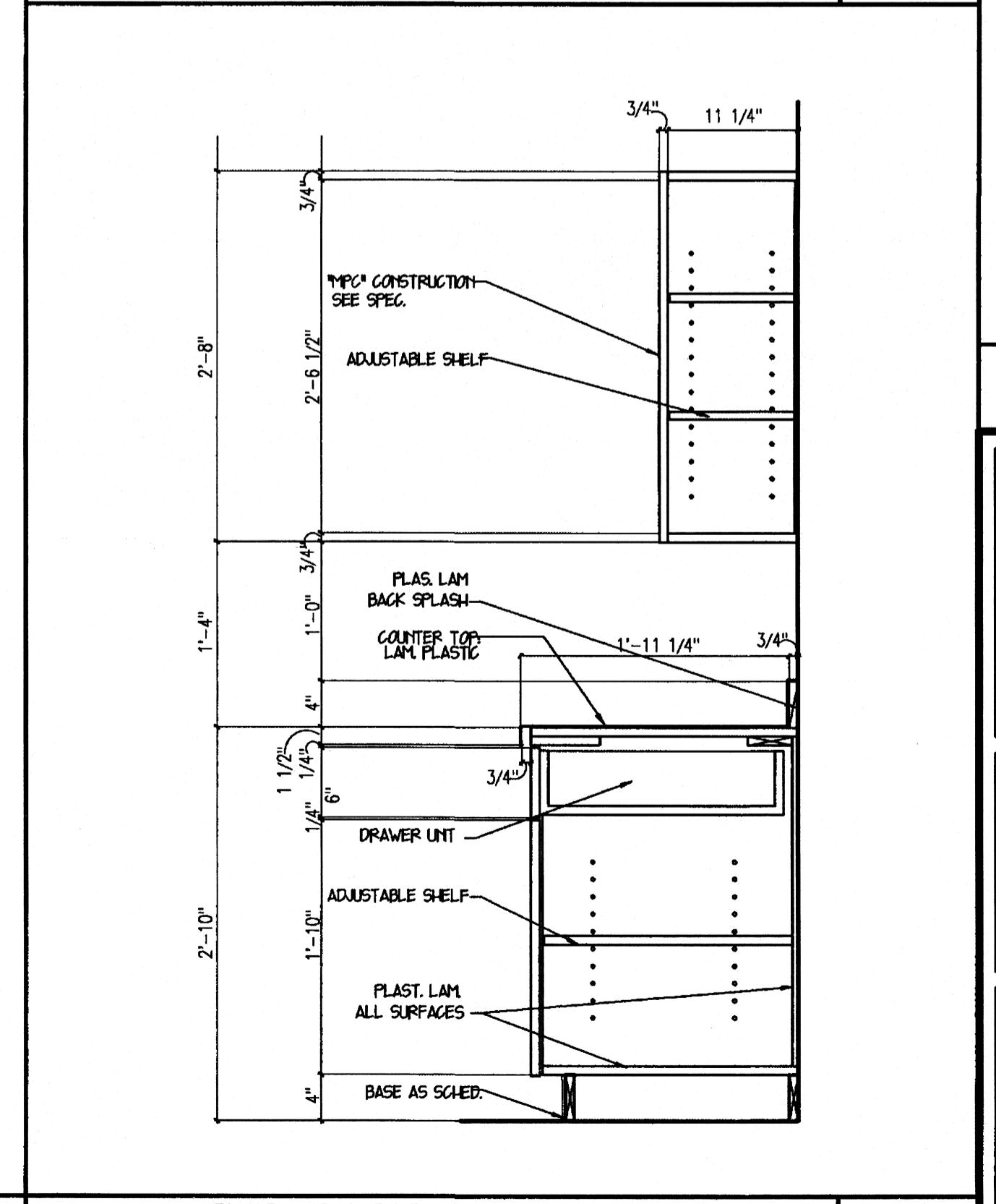
TYP. BASE & WALL CABINET W/SINK
T¹ = 10"
A8



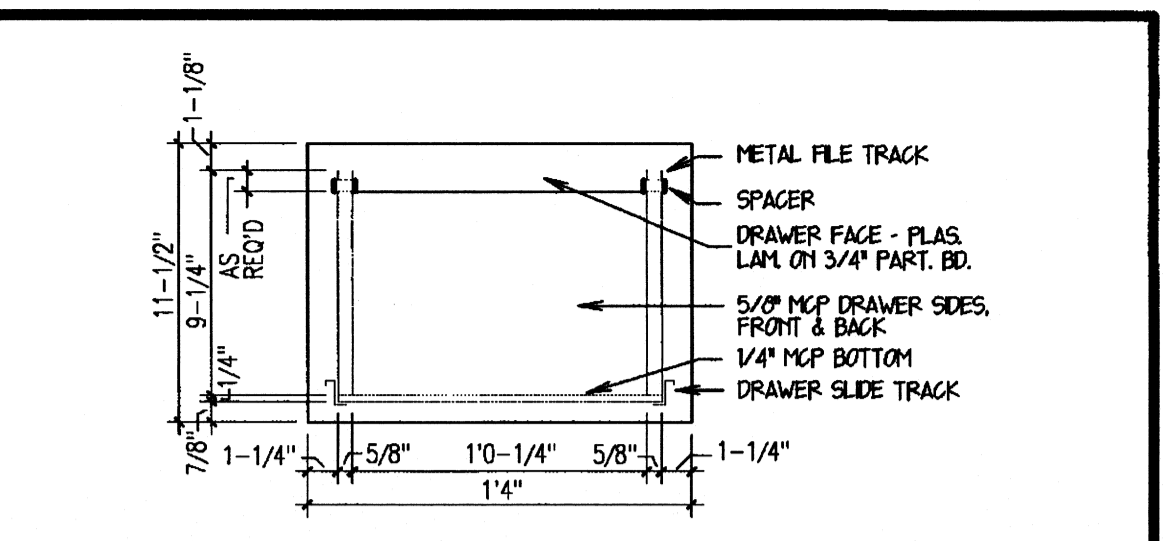
TYPICAL BASE
NO SCALE
L12



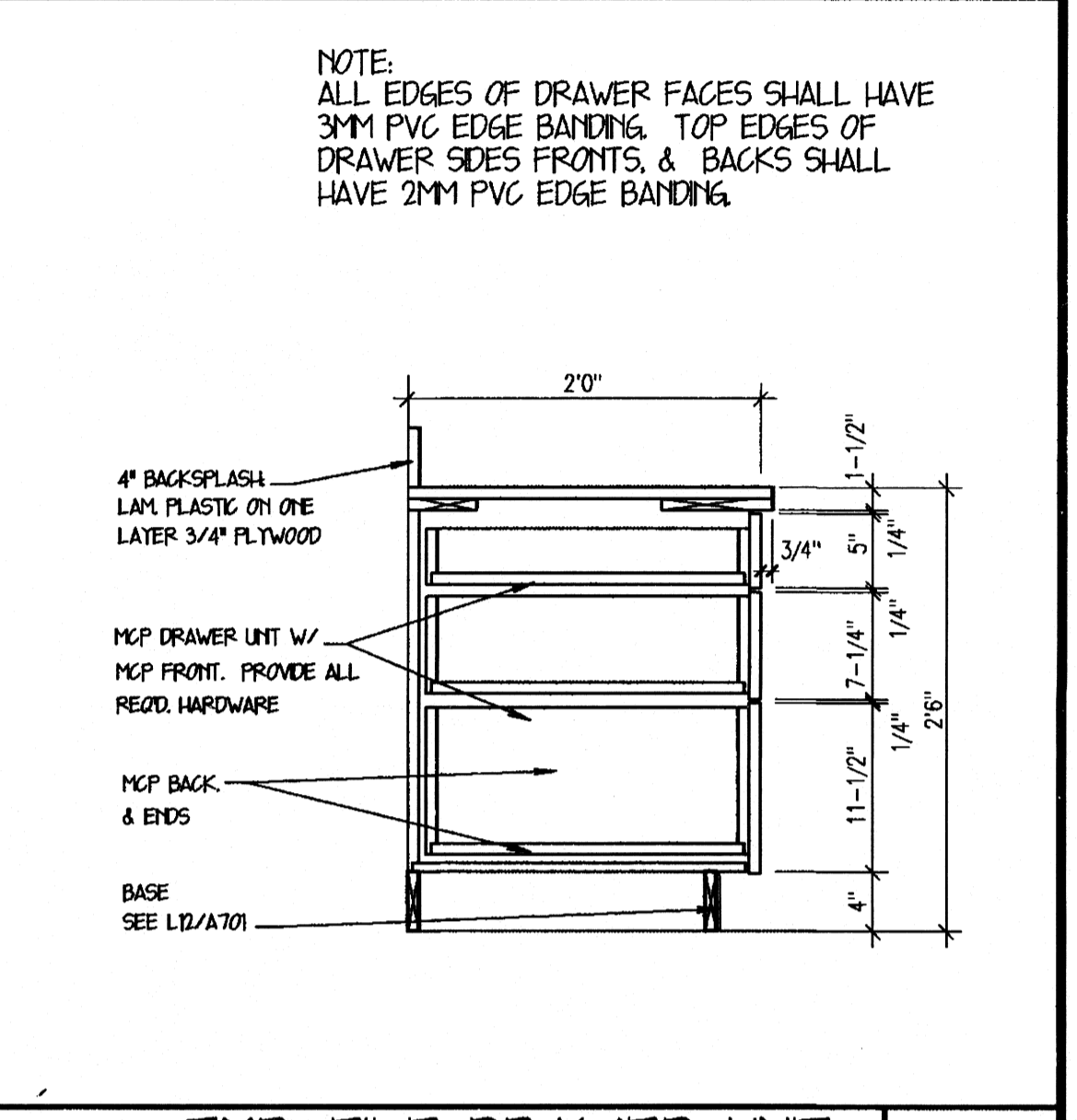
ADJUSTABLE SHELVES
T¹ = 10"
F12



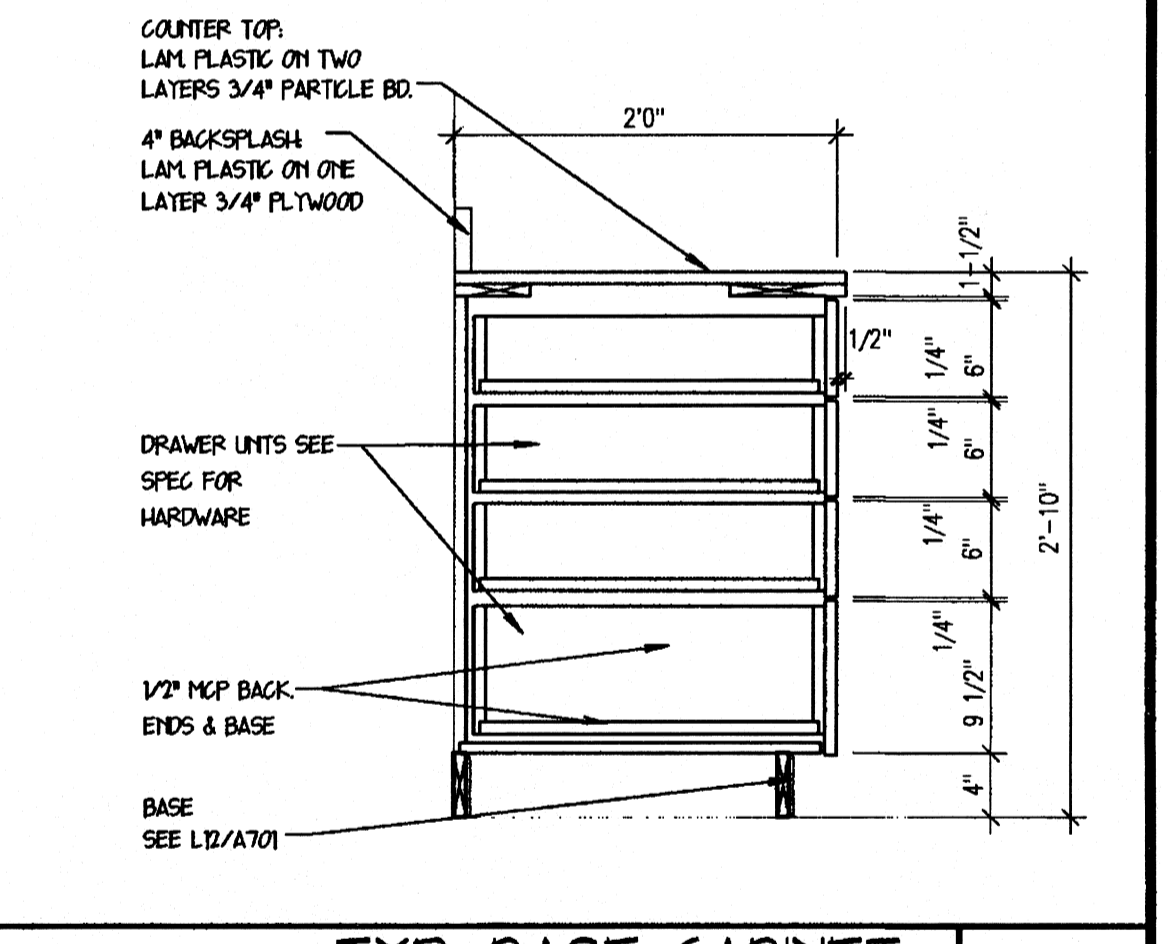
TYP. BASE & WALL CABINET
T¹ = 10"
A11



SECTION HANGING FILE DRAW.
NO SCALE
L14



TYP. FILE DRAWER UNIT
T¹ = 10"
G14



TYP. BASE CABINET
W/ DRAWERS
T¹ = 10"
D14

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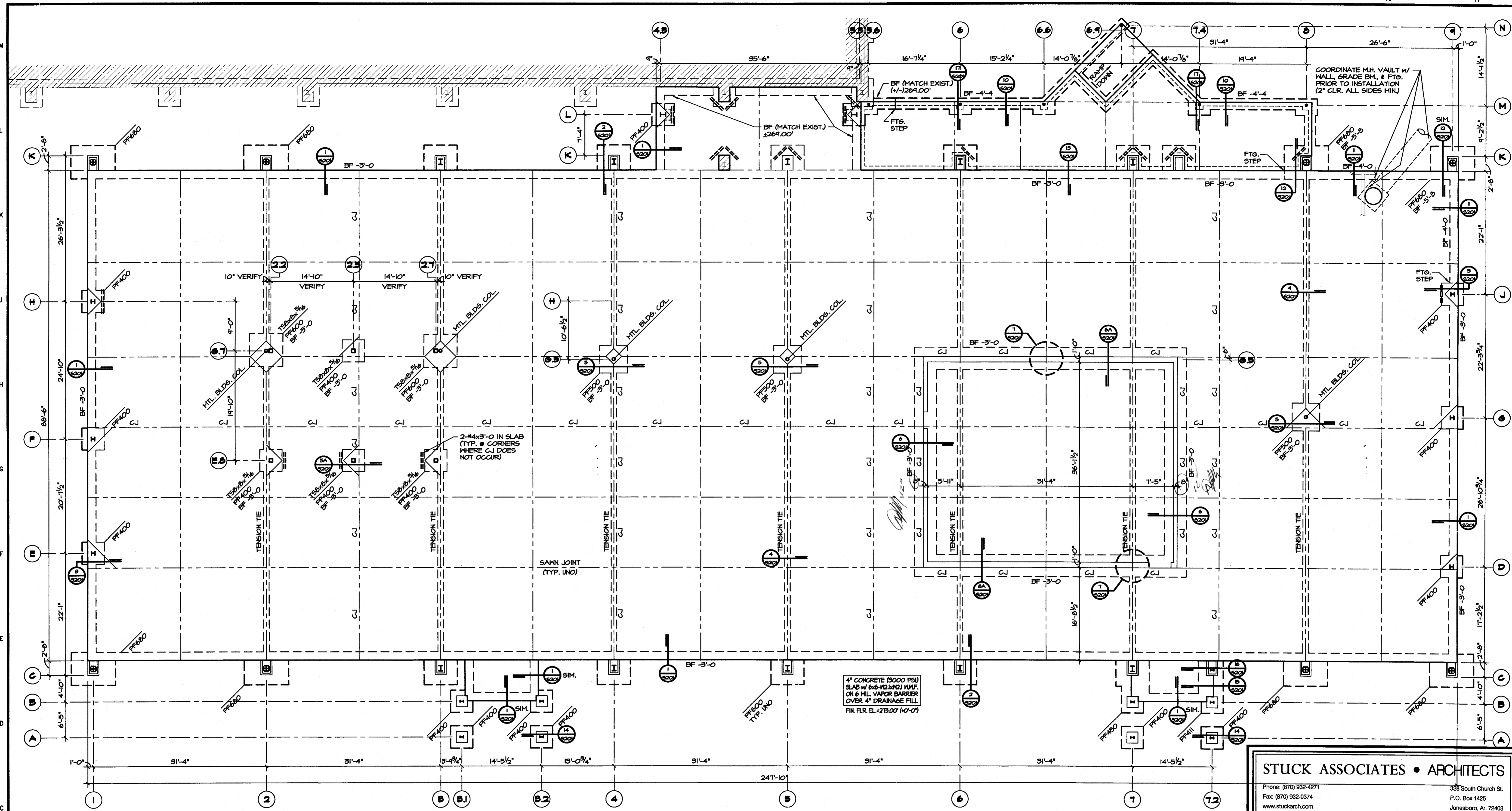
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DRAWING INFO
Drawing: 1265-17
Plot Date: 06-15-2000

Rev. No. Rev. Date
1 265-17
2 5-25-00

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Drawing No.
A701



FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION NOTES

1. SPREAD FOOTINGS SHALL BEAR AT LEAST 2'-0" BELOW EXISTING GRADE ON STIFF UNDISTURBED NATURAL SOIL OR PROPERLY COMPACTED SELECT FILL WITH AN ALLOWABLE NET BEARING PRESSURE OF AT LEAST 2200 PSF.
2. PRIOR TO PLACING FILL, COMPLETELY REMOVE ALL ORGANIC CONTAINING SOILS, HIGHLY PLASTIC SOILS, MISCELLANEOUS DEBRIS, ROOTS, OLD FOUNDATIONS, SLABS, WALLS, ETC. AND ALL BURIED TANKS, VAULTS, MANHOLES, ETC., UNLESS SPECIFICALLY IDENTIFIED TO REMAIN, FROM WITHIN TEN FEET OF THE BUILDING PERIMETER.
3. AFTER STRIPPING, THE AREA WITHIN TEN FEET OF THE BUILDING PERIMETER SHALL BE PROOF ROLLED AND ALL SOFT ZONES SHALL BE RENKORED OR UNDERCUT AND REPLACED WITH PROPERLY COMPACTED LOW PLASTICITY SELECT FILL.
4. ALL UNDERCUTTING, SITE PREPARATION, FILL SELECTION, BACKFILLING AND COMPACTION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS.
5. ALL SPREAD FOOTING EXCAVATIONS SHALL BE INSPECTED BY THE SOILS ENGINEER OR HIS REPRESENTATIVE TO VERIFY THAT THE DESIGN NET BEARING CAPACITY IS ATTAINED.
6. ALL FILL UP TO THE TOP OF FOOTING ELEVATION WITHIN FIVE FEET OF THE BUILDING PERIMETER SHALL BE COMPACTED TO AT LEAST 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
7. IF OLD BASEMENTS OR OTHER DEEP EXISTING STRUCTURES ARE DISCOVERED WITHIN TEN FEET OF THE BUILDING PERIMETER, NOTIFY ARCHITECT IMMEDIATELY.

GENERAL NOTES

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF AT LEAST 3000 PSI AT 28 DAYS. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE 5 1/2% AIR ENTRAINMENT. TOTAL ENTRAPPED AIR SHALL NOT EXCEED 3% (4-11 1/2%) FOR INTERIOR SLABS WITH STEEL TROVEL FINISH.
2. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
3. ALL ANCHOR BOLTS SHALL BE ASTM A36.
4. ACI SPECIFICATIONS SHALL GOVERN ALL PHASES OF FABRICATION AND CONSTRUCTION.
5. CONTRACTOR SHALL PROVIDE TEMPORARY GUYS AND BRACING AS REQUIRED DURING CONSTRUCTION. STRUCTURE IS NOT STABLE UNTIL ALL STRUCTURAL MEMBERS, CONNECTIONS, AND DECKING ARE IN PLACE. SEE METAL BUILDING MANUFACTURER FOR SPECIAL ERECTION REQUIREMENTS.
6. IN CASES OF DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.

THE FOUNDATIONS AND MEZZANINE FRAMING HAVE BEEN DESIGNED TO RESIST SEISMIC FORCES PER THE 1998 ARKANSAS FIRE PREVENTION CODE IN ACCORDANCE WITH THE REQUIREMENTS OF ACT 1100 OF THE 1991 ARKANSAS STATE LEGISLATURE. THE REQUIRED SEISMIC DESIGN DATA IS AS FOLLOWS:

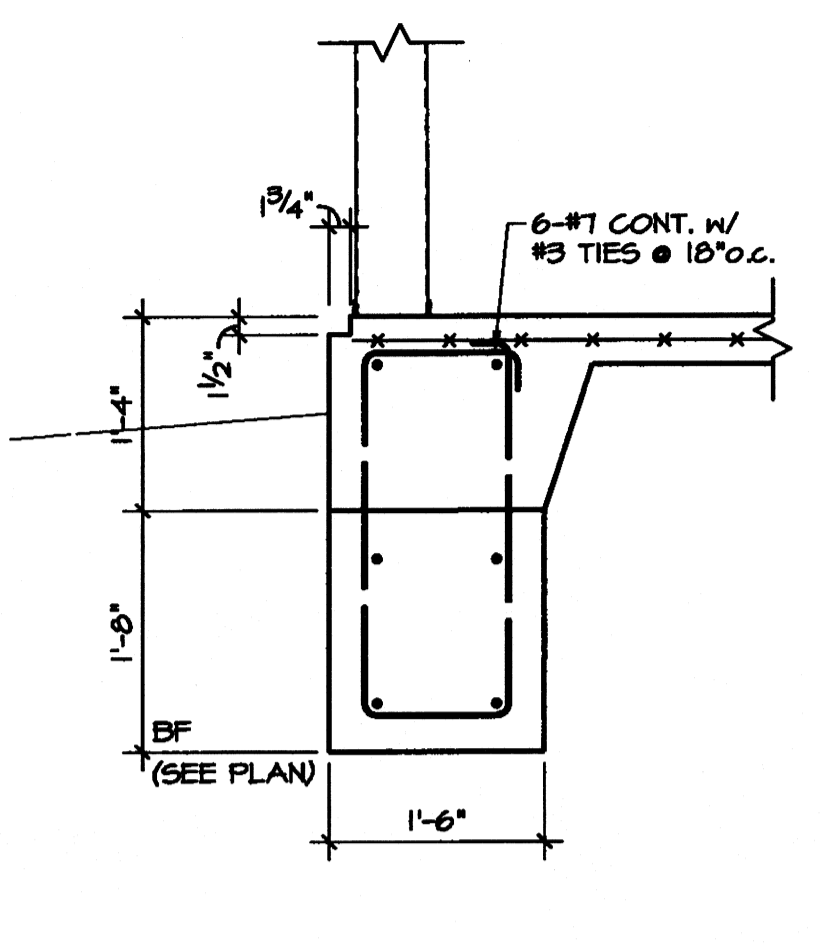
SEISMIC ZONE PER ACT 1100 OF 1991 FOR THE STRUCTURE.....	3
PEAK VELOCITY RELATED ACCELERATION Av (1607.15).....	0.25
PEAK ACCELERATION Ag (1607.15).....	0.25
SEISMIC HAZARD EXPOSURE GROUP (1607.1.6).....	1
SEISMIC PERFORMANCE CATEGORY (1607.1.8).....	D
SOIL PROFILE TYPE (1607.3.1).....	S3
BASIC STRUCTURAL SYSTEM (1607.3.3).....	MOMENT RESISTING FRAMES
SEISMIC RESISTING SYSTEM (1607.3.3).....	ORDINARY FRAMES OF STEEL
RESPONSE MODIFICATION FACTOR R (1607.3.3).....	4.5
DEFLECTION AMPLIFICATION FACTOR Cd (1607.3.3).....	4
ANALYSIS PROCEDURE UTILIZED (1607.4 OR 1607.5).....	1607.4

SEISMIC STRUCTURAL DESIGN FOR METAL BUILDING FRAMES AND COMPONENTS SHALL BE PERFORMED BY OTHERS.

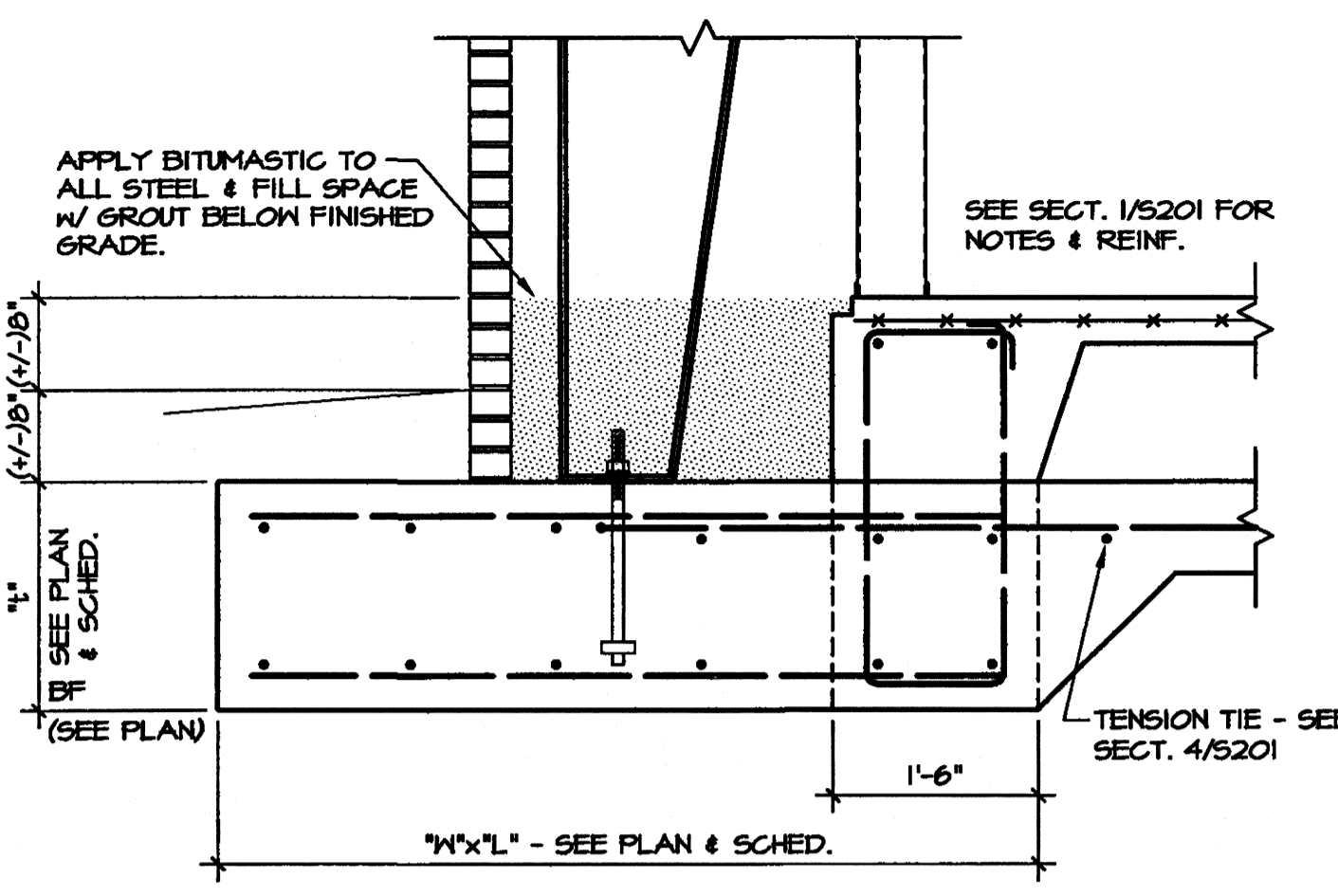
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 401 West Capitol Little Rock, Ar. 72201 Phone: (501) 376-3752

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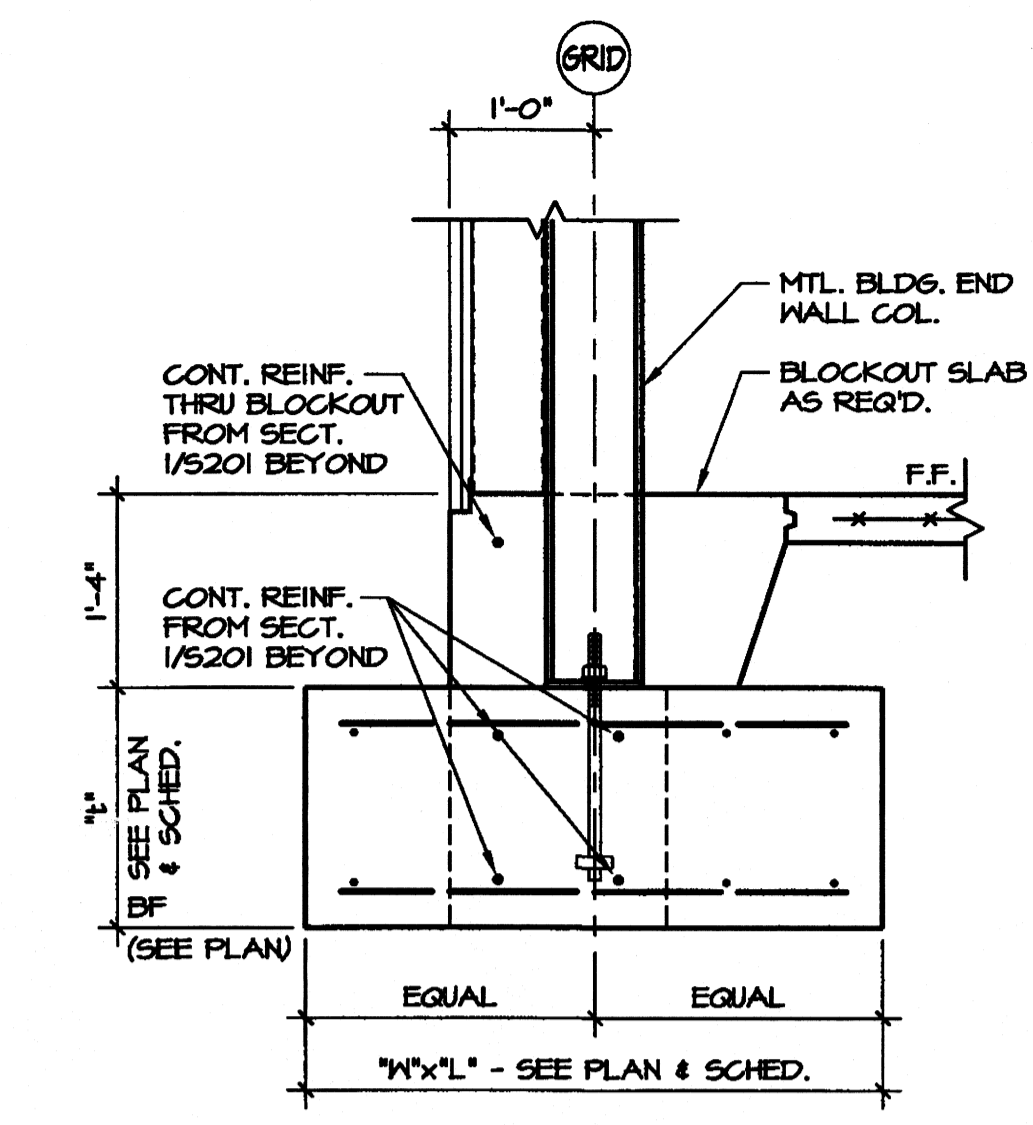
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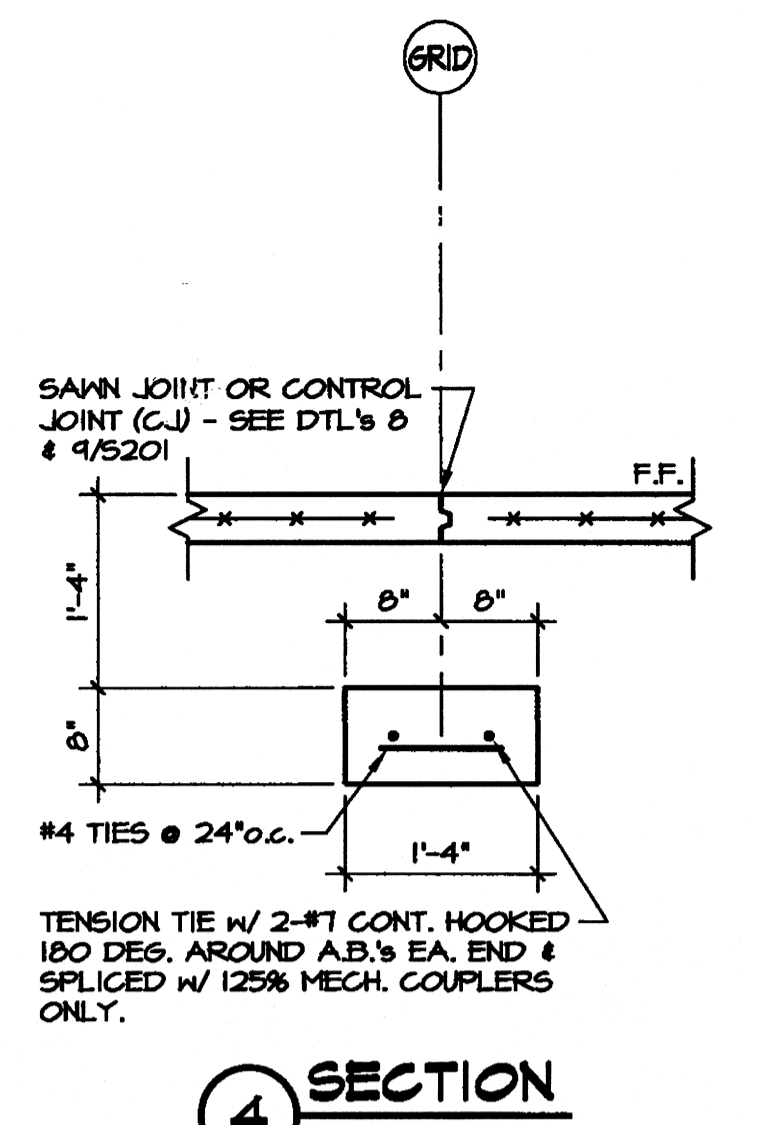
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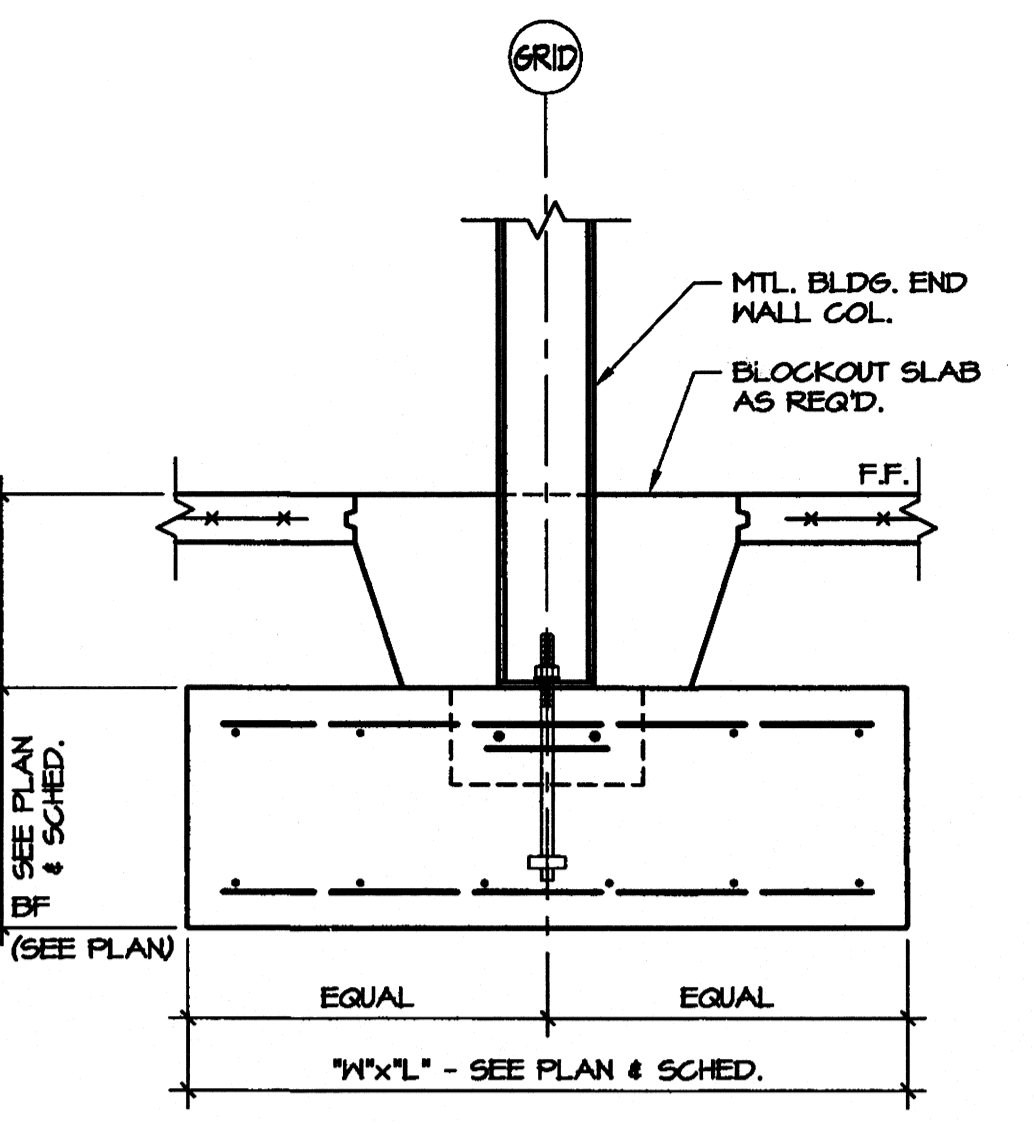
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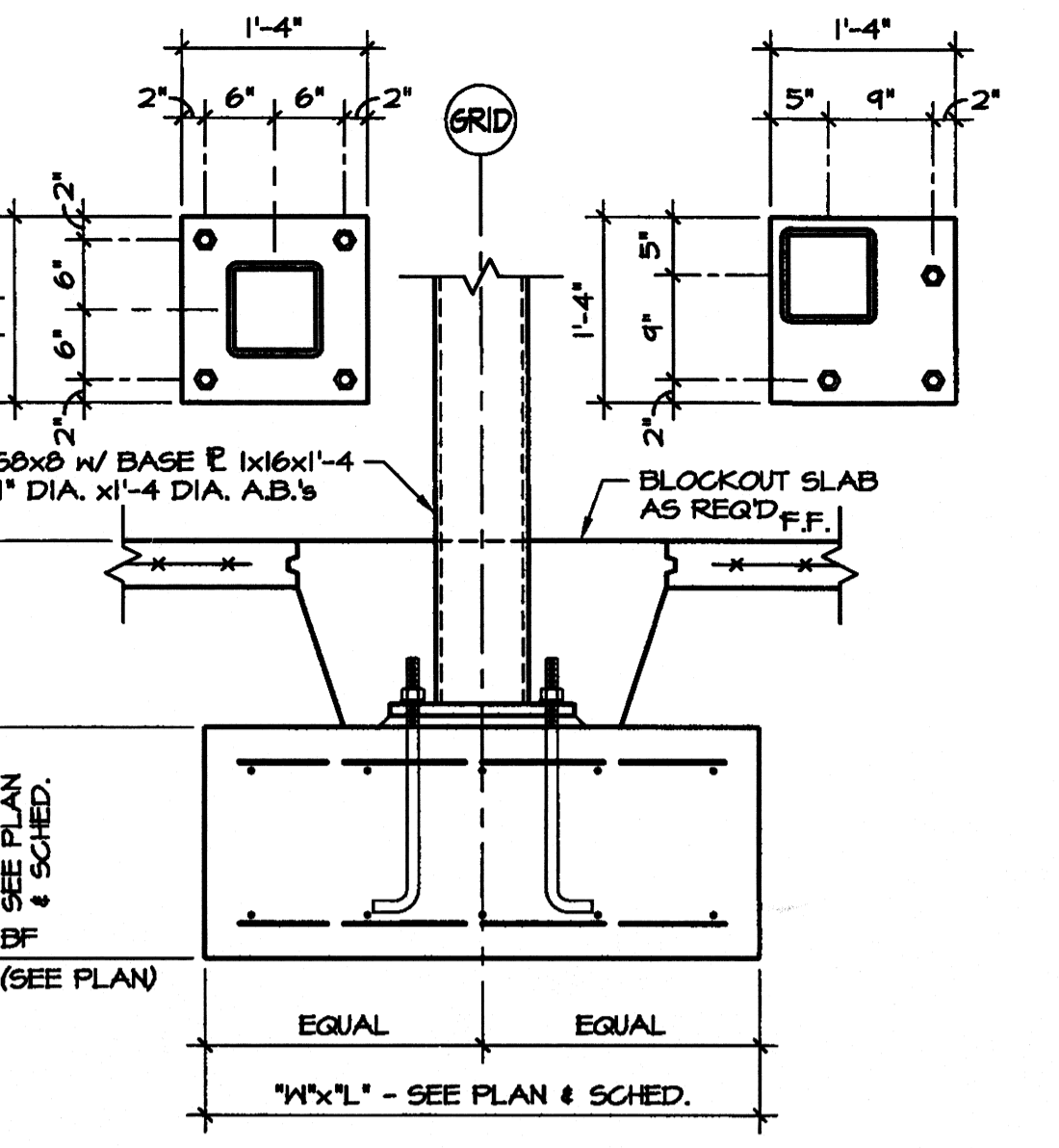
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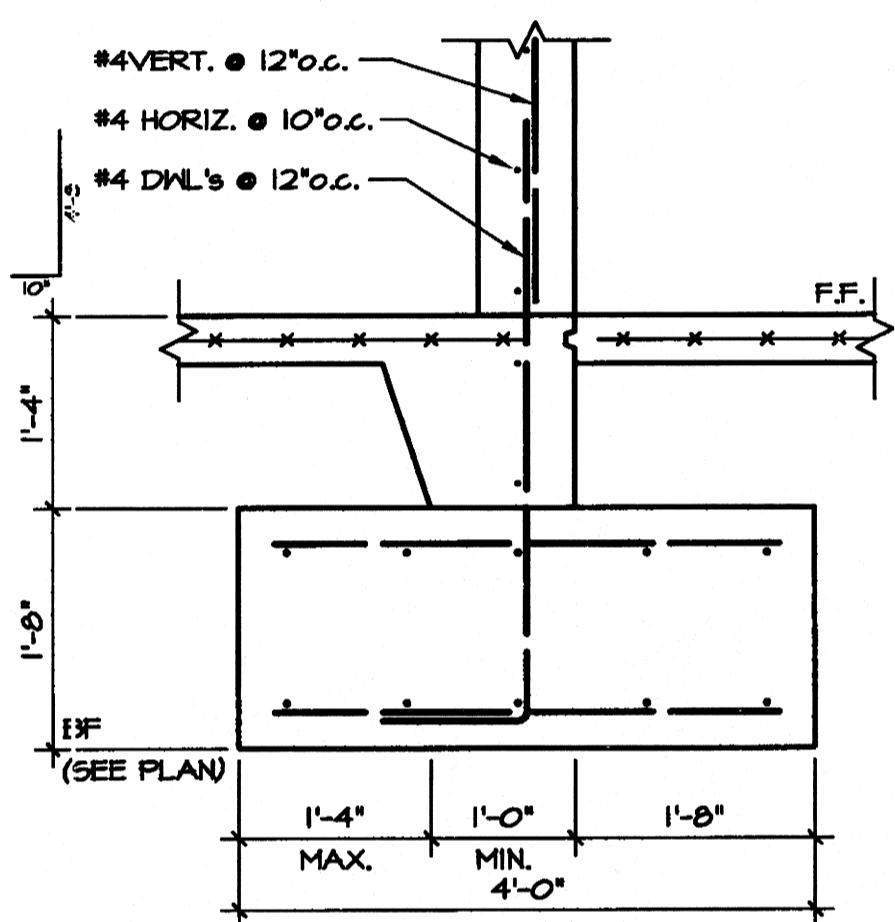
4 SECTION
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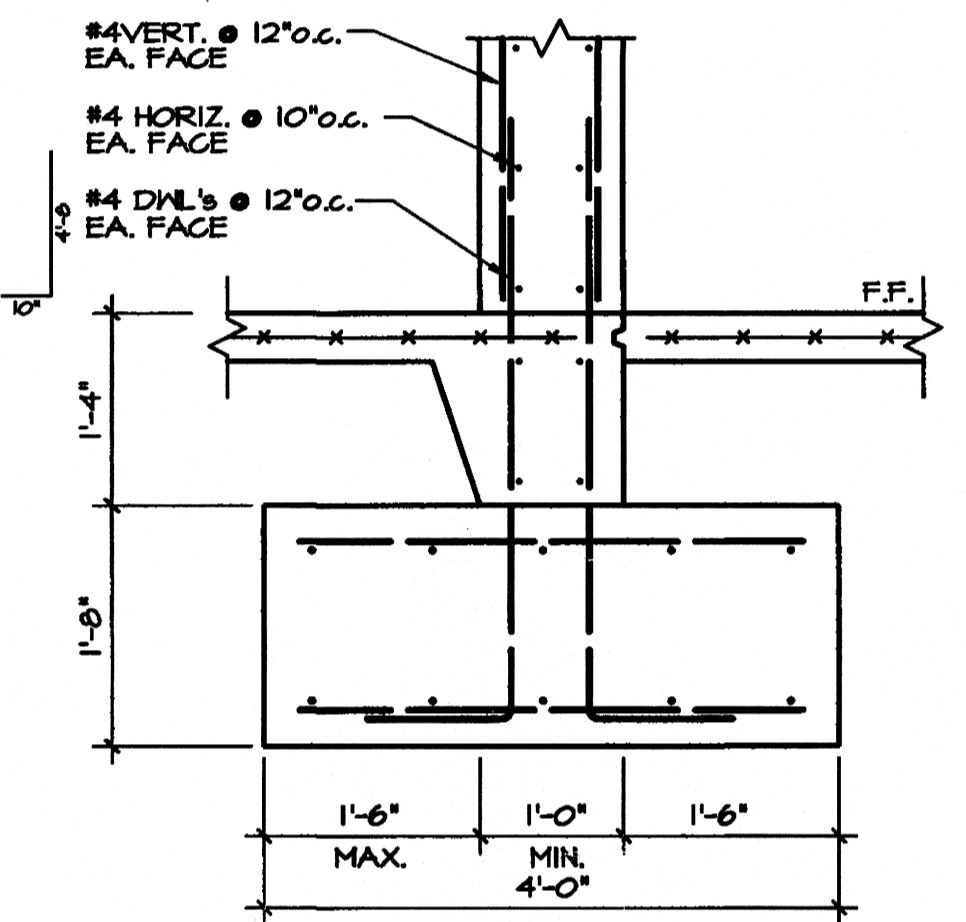
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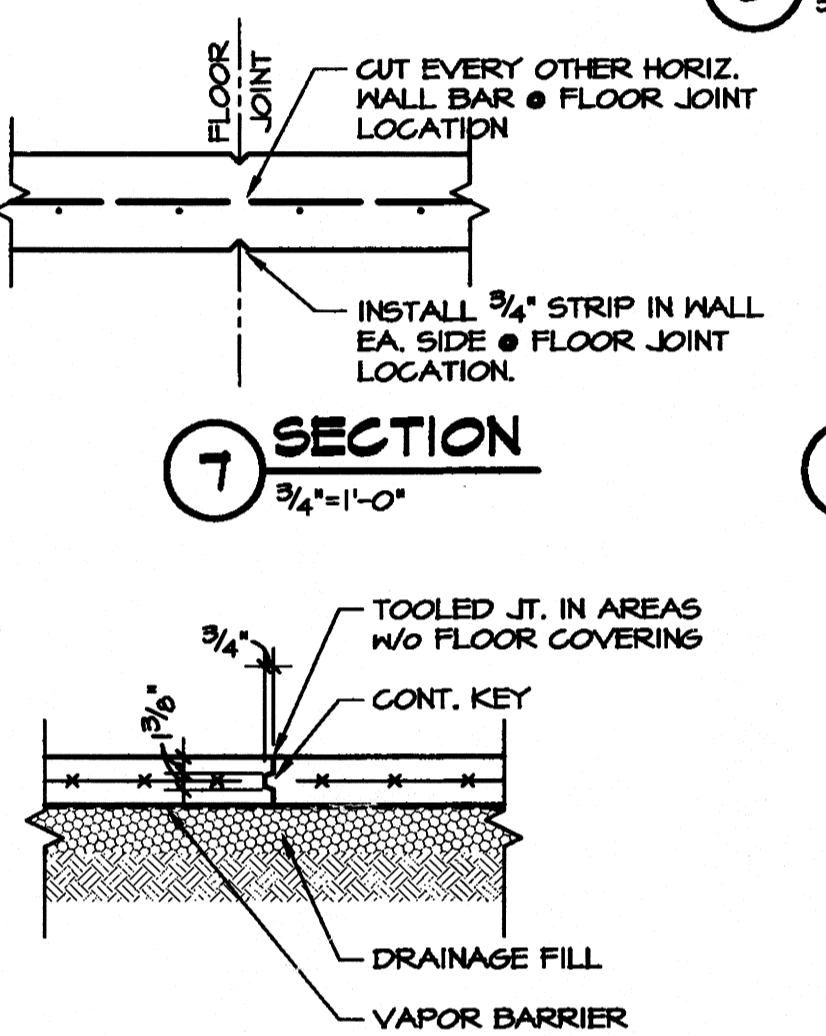
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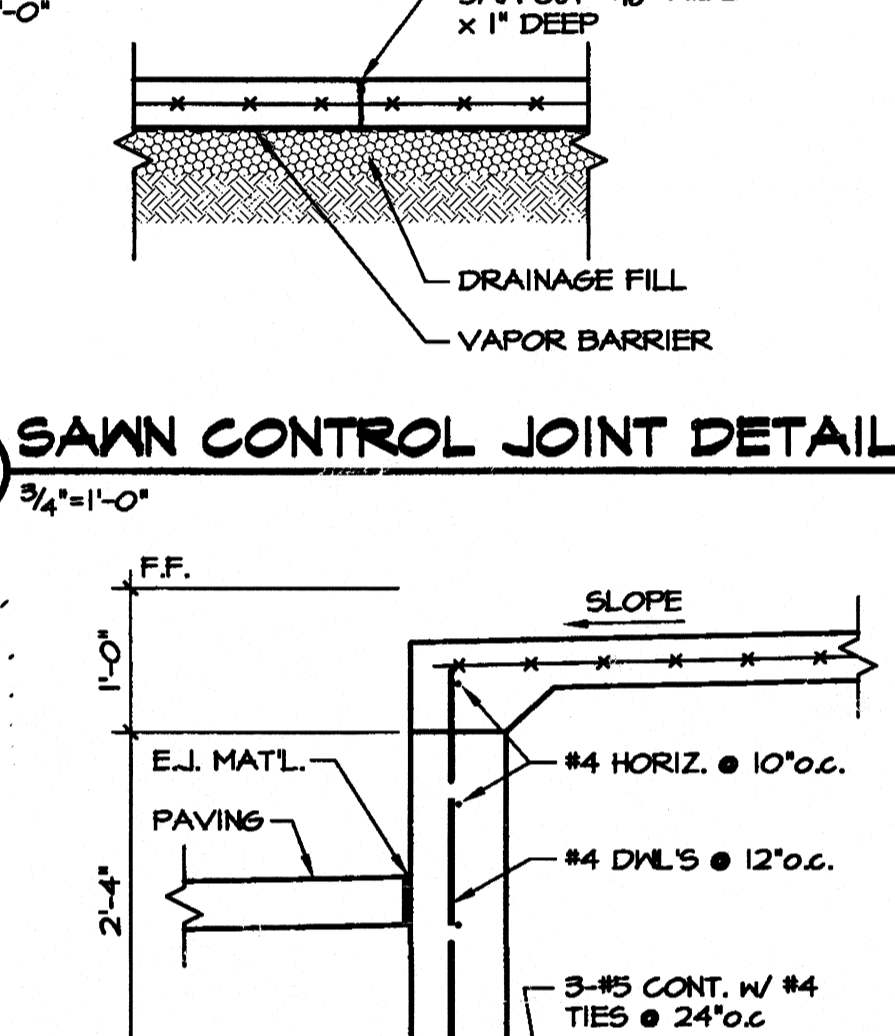
6 SECTION
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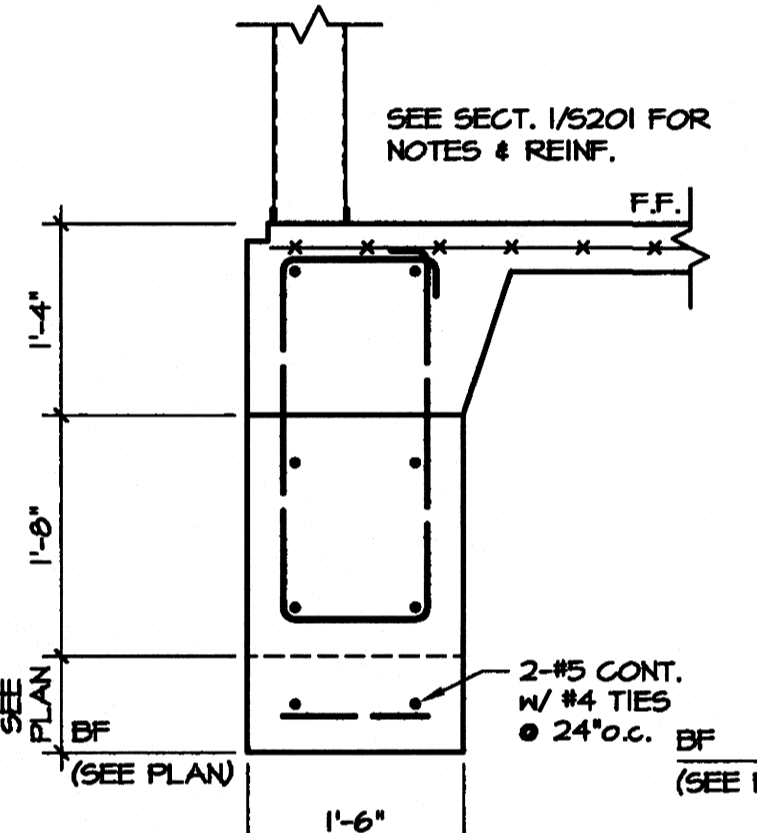
6A SECTION
3/4"=1'-0"



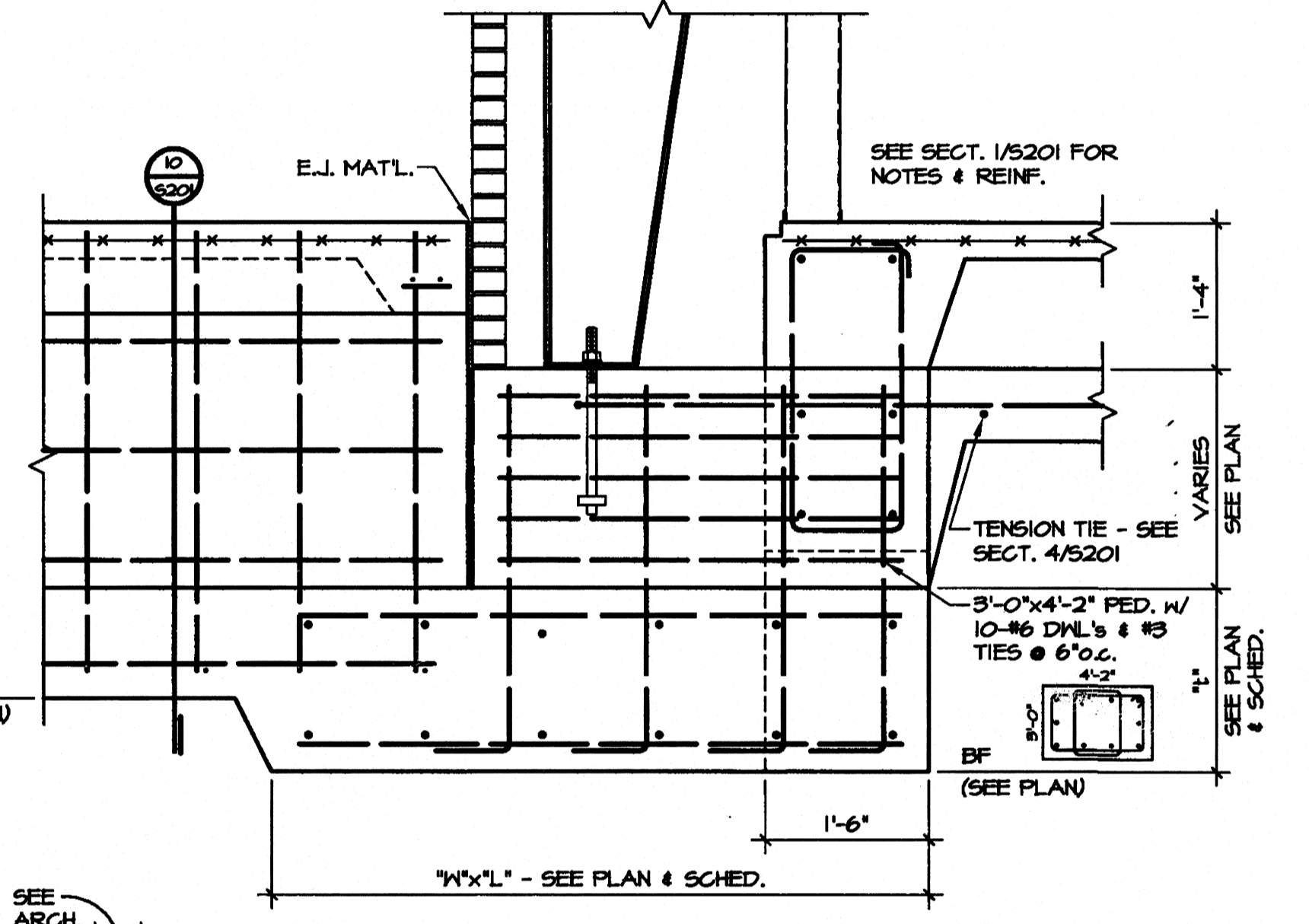
7 SECTION
3/4"=1'-0"



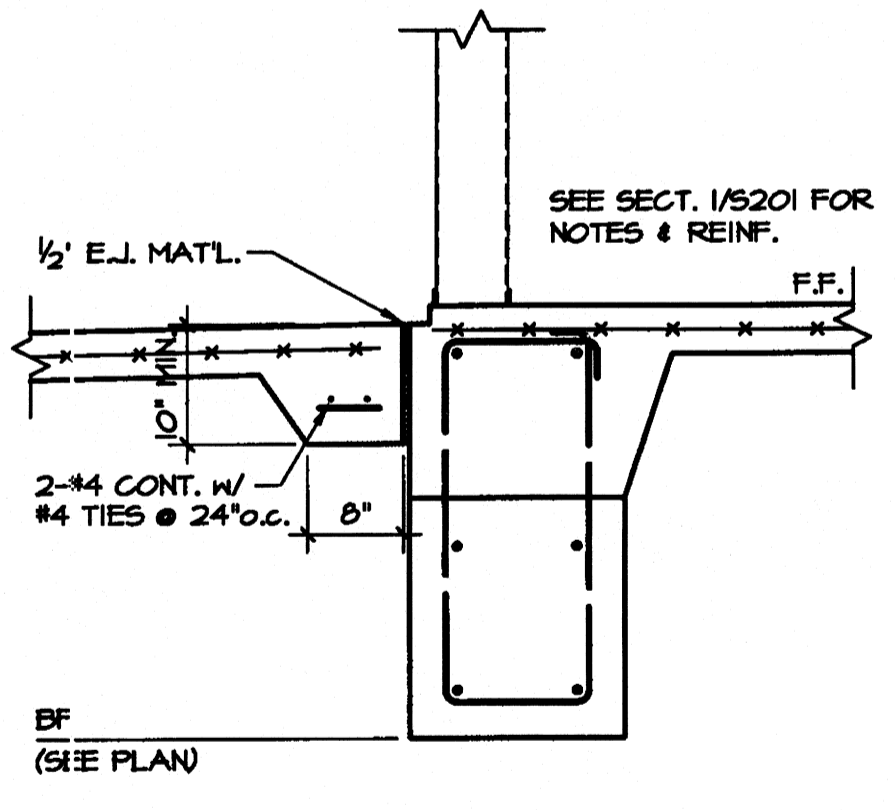
9 SAWN CONTROL JOINT DETAIL
3/4"=1'-0"



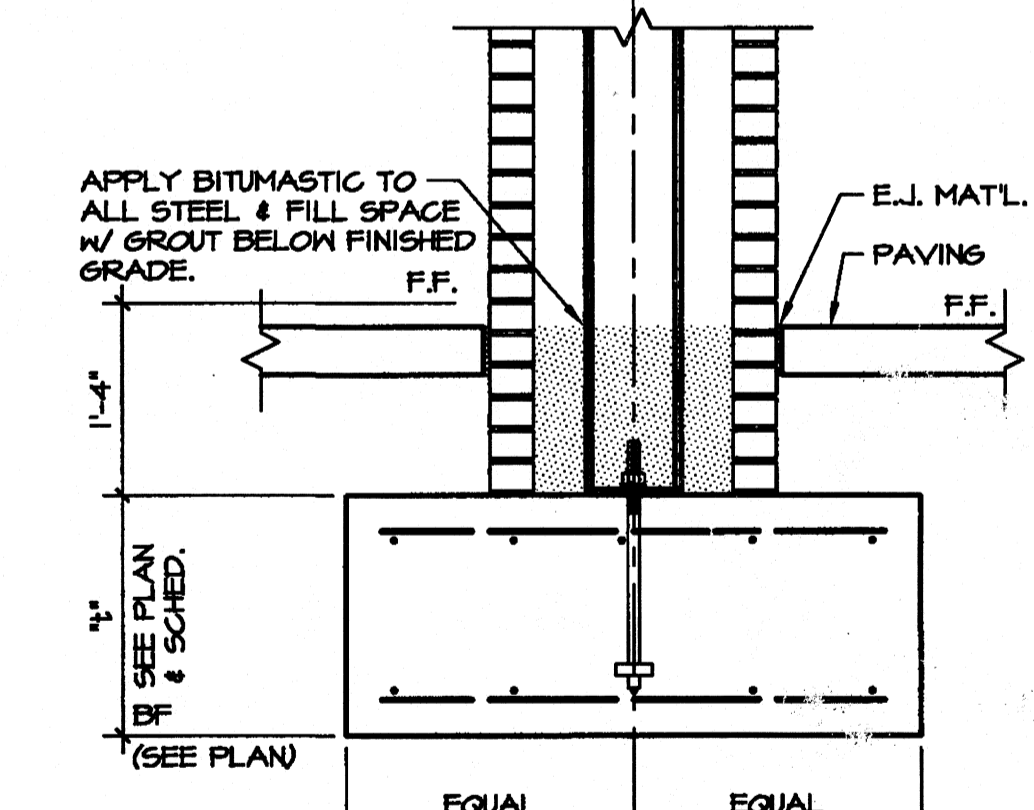
11 SECTION
3/4"=1'-0"



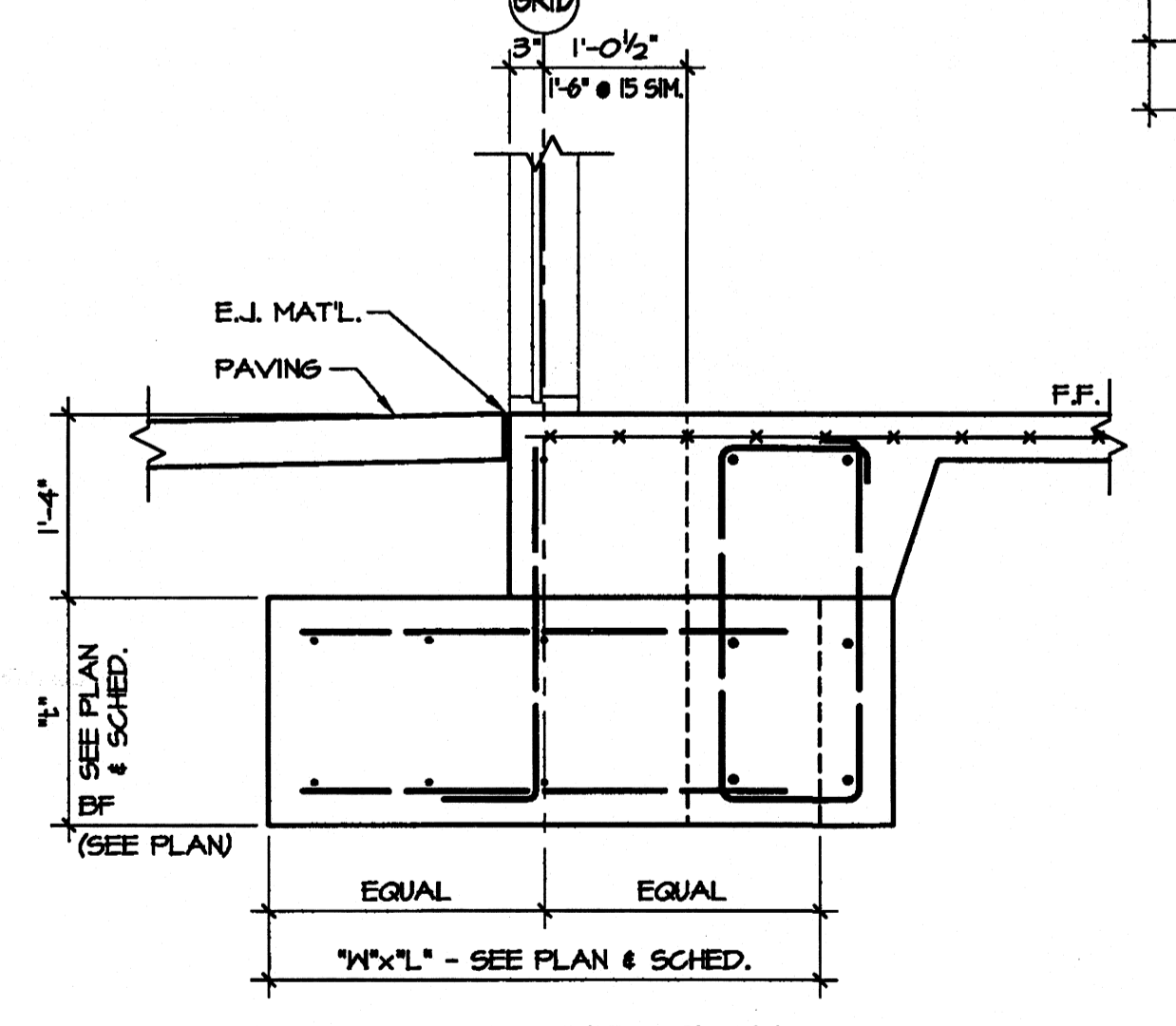
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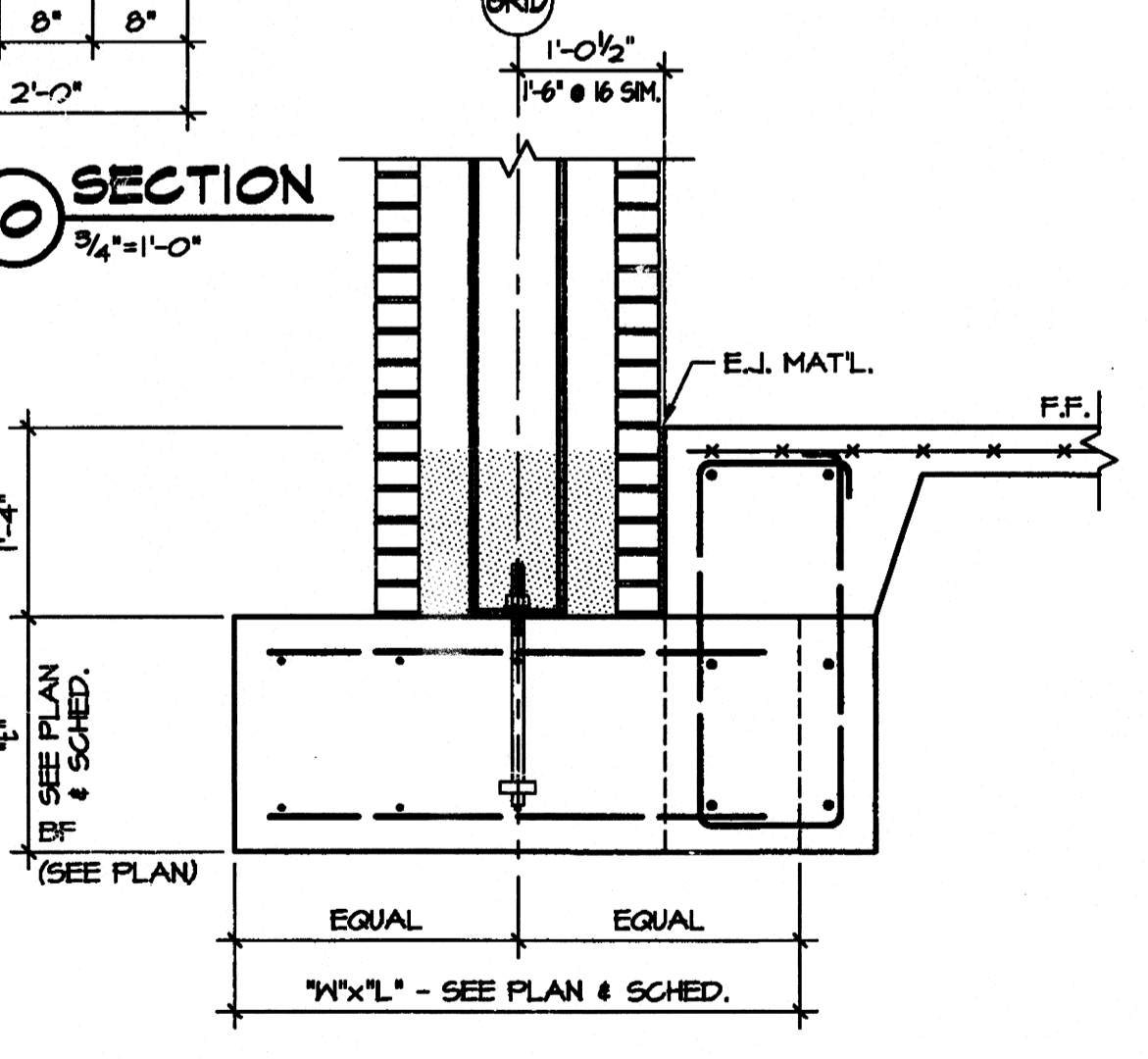
13 SECTION
3/4"=1'-0"



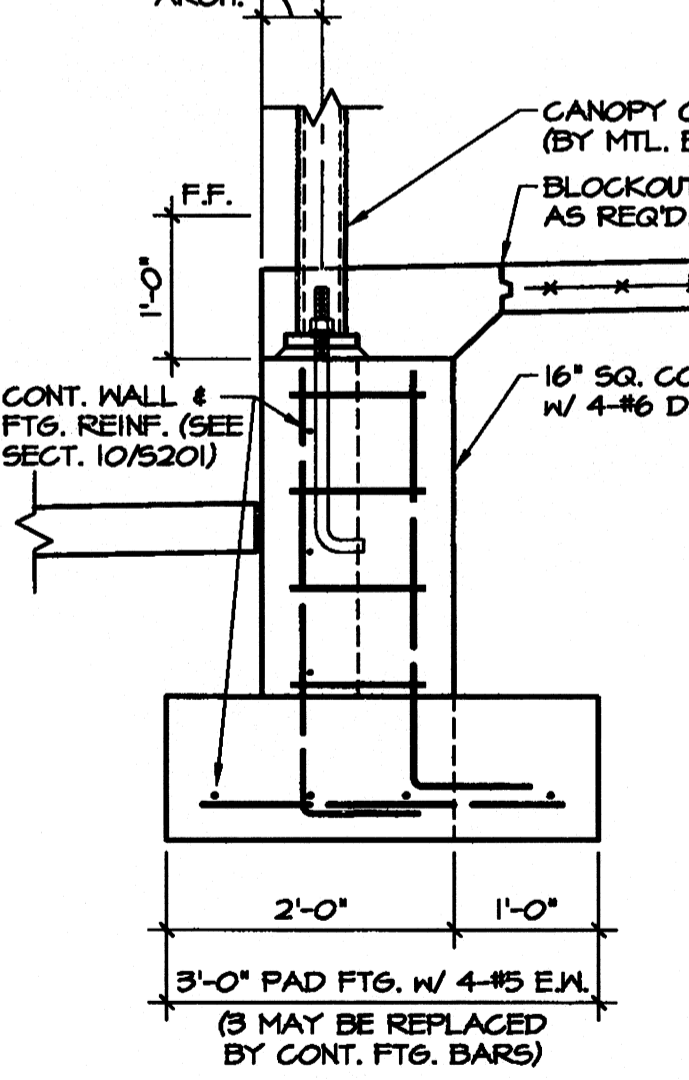
14 SECTION
3/4"=1'-0"



15 SECTION
3/4"=1'-0"



16 SECTION
3/4"=1'-0"



17 SECTION
3/4"=1'-0"

MARK	PAD SIZE			REINFORCING	REMARKS
	"W"	"L"	"H"		
PF400	4'-0"	4'-0"	1'-8"	5-#5 EA. WAY T&B	2 BARS T&B MAY BE REPLACED BY GRADE BEAM BARS
PF450	4'-0"	5'-0"	1'-8"	5-#5 LONG WAY T&B 6-#5 SHORT WAY T&B	
PF411	4'-0"	11'-0"	1'-8"	5-#5 LONG WAY T&B 12-#5 SHORT WAY T&B	2 BARS T&B MAY BE REPLACED BY GRADE BEAM BARS
PF500	5'-0"	5'-0"	1'-8"	6-#6 EA. WAY T&B	2 BARS T&B MAY BE REPLACED BY GRADE BEAM BARS
PF600	6'-0"	6'-0"	1'-8"	6-#7 EA. WAY T&B	2 BARS T&B MAY BE REPLACED BY GRADE BEAM BARS
PF680	6'-0"	8'-0"	1'-8"	6-#7 LONG WAY T&B 9-#8 SHORT WAY T&B	

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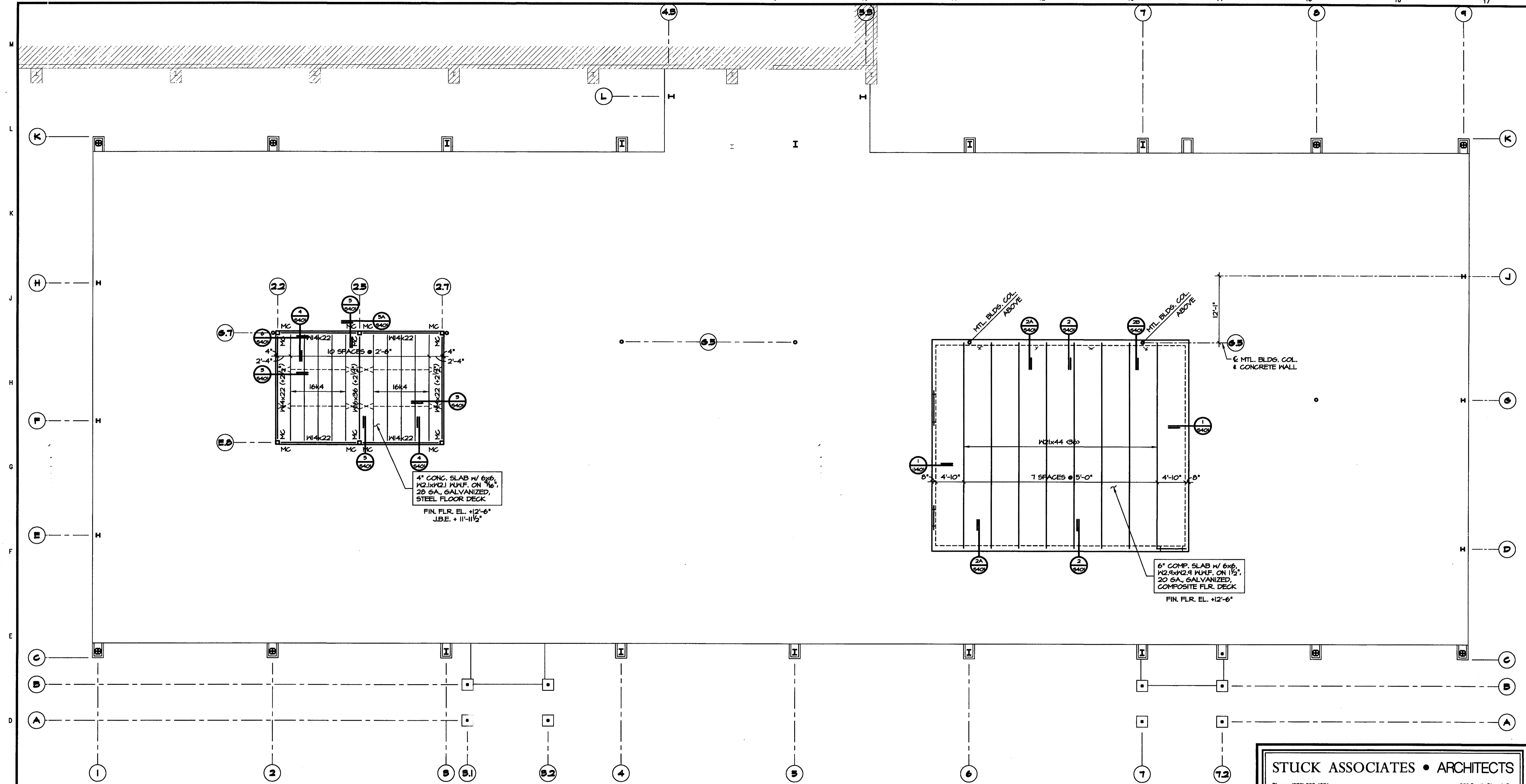
Consultant
ENGINEERING CONSULTANTS, INC.
 401 West Capitol
 Little Rock, Ar. 72201
 Suite 305
 Phone: (501) 378-3752

Professional Engineer
 No. 5920
 M. ALLISON

Certificate of Authorization
 No. 26
 ENGINEERING CONSULTANTS, INC.
 ARKANSAS - ENGINEER

Revision Table:
 Rev. No. 1, Date 1-26-97
 Rev. No. 2, Date 5-25-00

Drawing No.
S201



MEZZANINE FRAMING PLAN
 1/8" = 1'-0"

- FRAMING NOTES:**
1. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS NOTED AS GRADE 50 STEEL (AST2). SQUARE TUBES SHALL BE ASTM A500, GRADE B, F_y = 46 KSI AND ROUND STEEL PIPE SHALL BE ASTM A501, F_y = 36 KSI.
 2. STRUCTURAL BOLTS SHALL BE ASTM A325. BOLTS THROUGH WOOD BLOCKING SHALL BE ASTM A307. ALL ANCHOR BOLTS SHALL BE ASTM A307.
 3. AISC, AISC AND AWS SPECIFICATIONS SHALL GOVERN ALL PHASES OF FABRICATION AND CONSTRUCTION.
 4. CONTRACTOR SHALL PROVIDE TEMPORARY GUYS AND BRACING AS REQUIRED DURING CONSTRUCTION. STRUCTURE IS NOT STABLE UNTIL ALL STRUCTURAL MEMBERS, CONNECTIONS, AND DECKING ARE IN PLACE.
 5. IN CASES OF DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
 6. ALL WELDS SHALL BE E70XX, MINIMUM
 7. BOLTED CONNECTIONS SHALL BE BEARING TYPE SELECTED TO SUPPORT ONE HALF THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN THE TABLES OF UNIFORM LOAD CONSTANTS, PART 2 OF THE AISC MANUAL, 8TH EDITION, FOR THE GIVEN BEAM, SPAN AND GRADE OF STEEL SPECIFIED UNLESS NOTED OTHERWISE, ALSO THE EFFECTS OF ANY CONCENTRATED LOADS MUST BE TAKEN INTO ACCOUNT.

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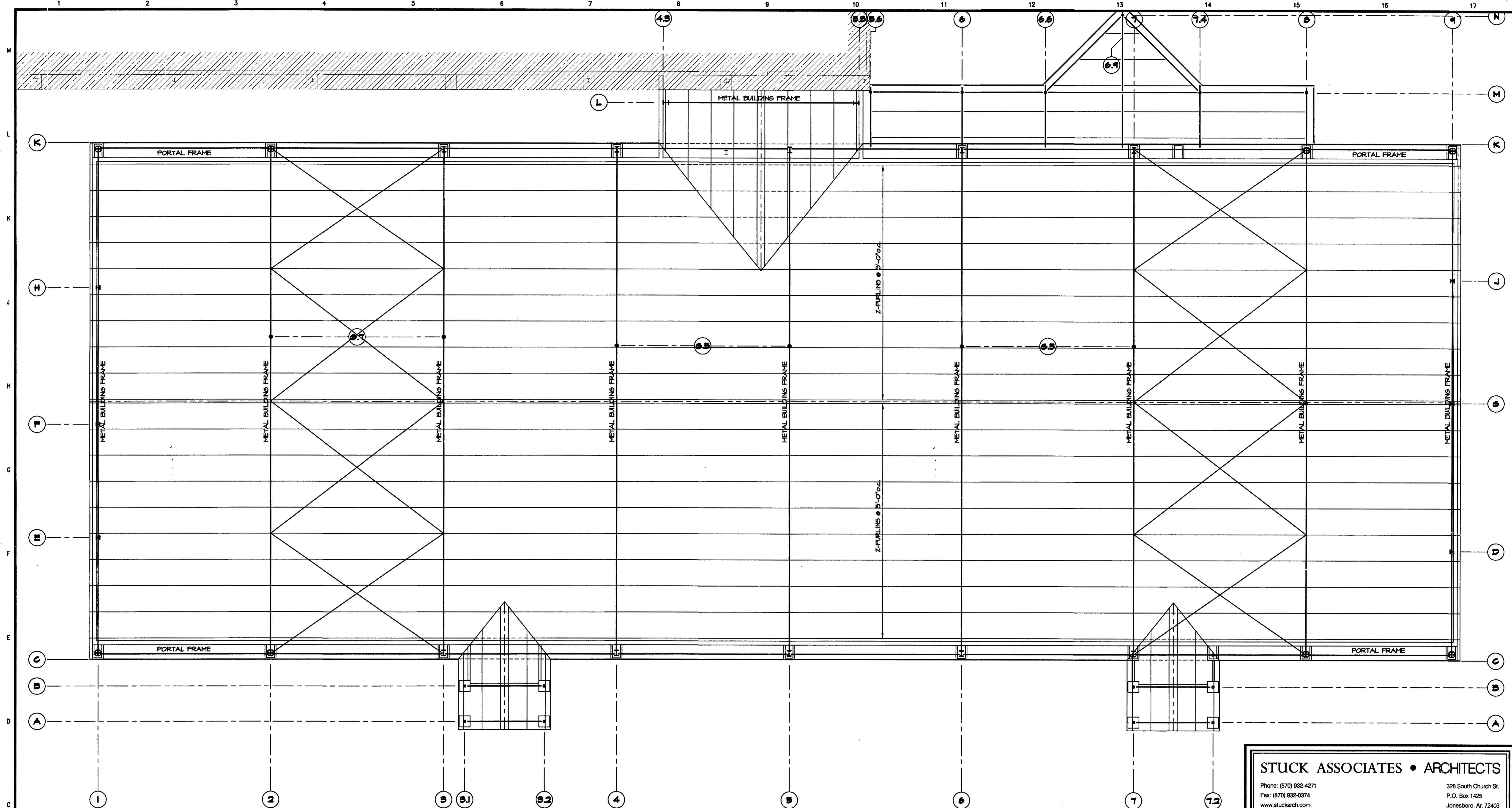
Project Title: **ARKANSAS STATE UNIVERSITY
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Rev. No.	Rev. Date	Comments No.
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2	3-25-00	

Seal: **FRANK M. ALLISON**
 REGISTERED PROFESSIONAL ENGINEER
 No. 5920

Seal: **ENGINEERING CONSULTANTS, INC.**
 CERTIFICATE OF AUTHORIZATION
 No. 26
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Drawing No. **S301**

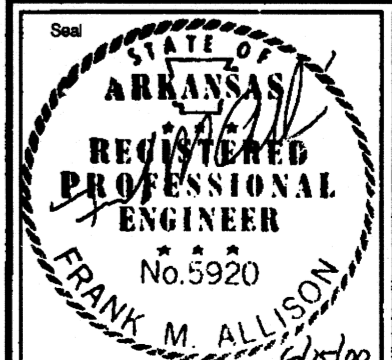
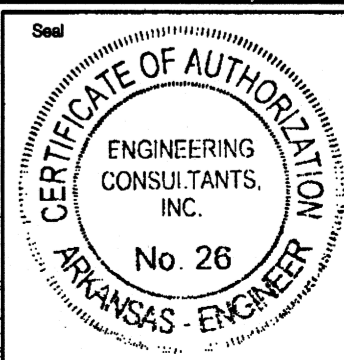


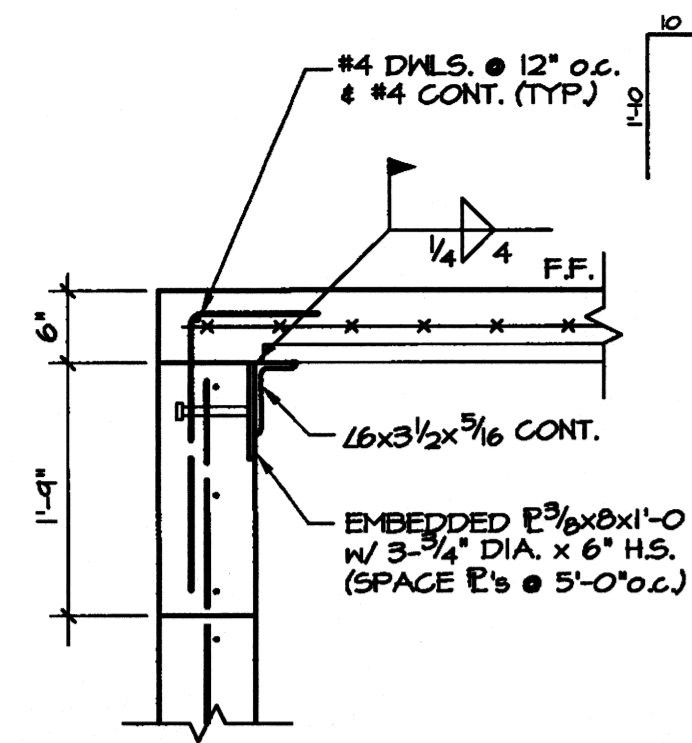
ROOF FRAMING PLAN
 1/8" = 1'-0"

METAL BUILDING NOTES

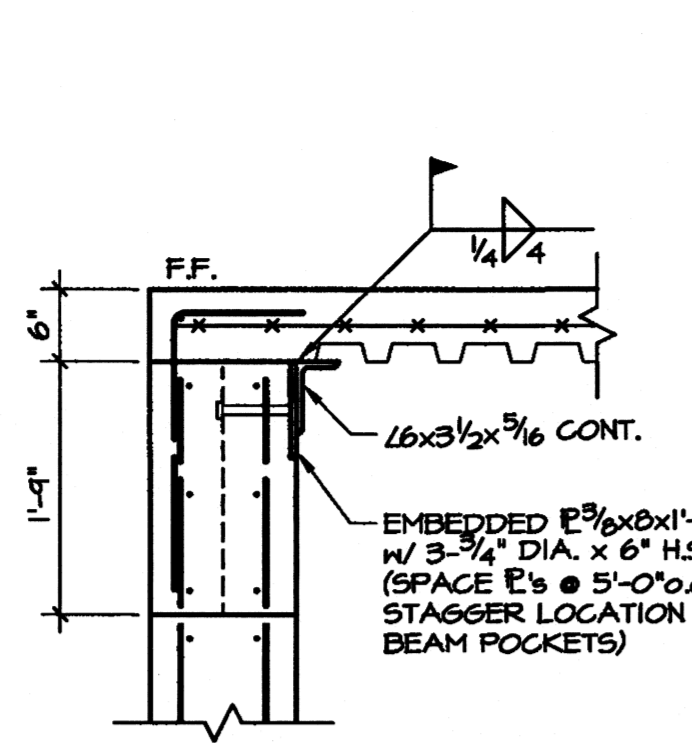
1. METAL BUILDING VERTICAL BRACING SHALL CONSIST OF PORTAL FRAMES AT LOCATIONS SHOWN ON PLANS. METAL BUILDING MANUFACTURER SHALL COORDINATE LOCATION OF ALL BRACES TO MINIMIZE INTERFERENCE WITH ARCHITECTURAL FEATURES. ROD OR CABLE BRACES MAY NOT BE SUBSTITUTED WHERE PORTAL FRAMES ARE SHOWN.
2. MAXIMUM PURLIN LIVE LOAD DEFLECTION SHALL NOT EXCEED SPAN/360 OR 1", WHICHEVER IS SMALLER.
3. FRAME LIVE LOAD DEFLECTION SHALL NOT EXCEED SPAN/360.
4. MAXIMUM GIRT LATERAL DEFLECTION FROM WIND OR SEISMIC LOADS SHALL NOT EXCEED SPAN/240 FOR GIRTS PROVIDING LATERAL SUPPORT FOR METAL SIDING ONLY.
5. MAXIMUM BUILDING SIDESWAY (DRIFT) FROM WIND OR SEISMIC LOADS SHALL NOT EXCEED WALL HEIGHT/240.
6. DESIGN LOADS:
 ROOF DEAD LOAD: ACTUAL HEIGHT OF ROOF PLUS HANGING EQUIPMENT, LIGHTS, CEILING, ETC. (1 PSF MINIMUM COLLATERAL DEAD LOAD. TOTAL DEAD LOAD USED FOR DESIGN SHALL BE AT LEAST 10 PSF.)
 ROOF LIVE LOAD: 20 PSF (PURLINS & FRAMES). LIVE LOAD REDUCTIONS FOR FRAMES WILL NOT BE ALLOWED.
 WIND: 80 MPH
 SEISMIC: ZONE 3
 CODES: 1949 ARKANSAS FIRE PREVENTION CODE
 MEMA METAL BUILDING SYSTEMS MANUAL (LATEST EDITION)

7. METAL BUILDING FRAMING LAYOUT AND MEMBERS SHOWN ARE SUGGESTED ONLY. MANUFACTURER IS RESPONSIBLE FOR COORDINATING REQUIREMENTS WITH OWNER AND PROVIDING COMPLETE STRUCTURAL FRAMING SYSTEM DESIGNED BY THE MANUFACTURER. METAL BUILDING MANUFACTURER SHALL COORDINATE ALL DIMENSIONS, ELEVATIONS, BRACINGS, AND SIZES AND SHAPES OF MEMBERS WITH OWNER PRIOR TO FABRICATION AND CONSTRUCTION. ALL MEMBERS, CONNECTIONS, AND DECKING NOT SPECIFICALLY SIZED ON DRAWINGS SHALL BE DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER.
8. METAL BUILDING MANUFACTURER SHALL PROVIDE CALCULATIONS AND SHOP DRAWINGS, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS, FOR REVIEW PRIOR TO FABRICATION.

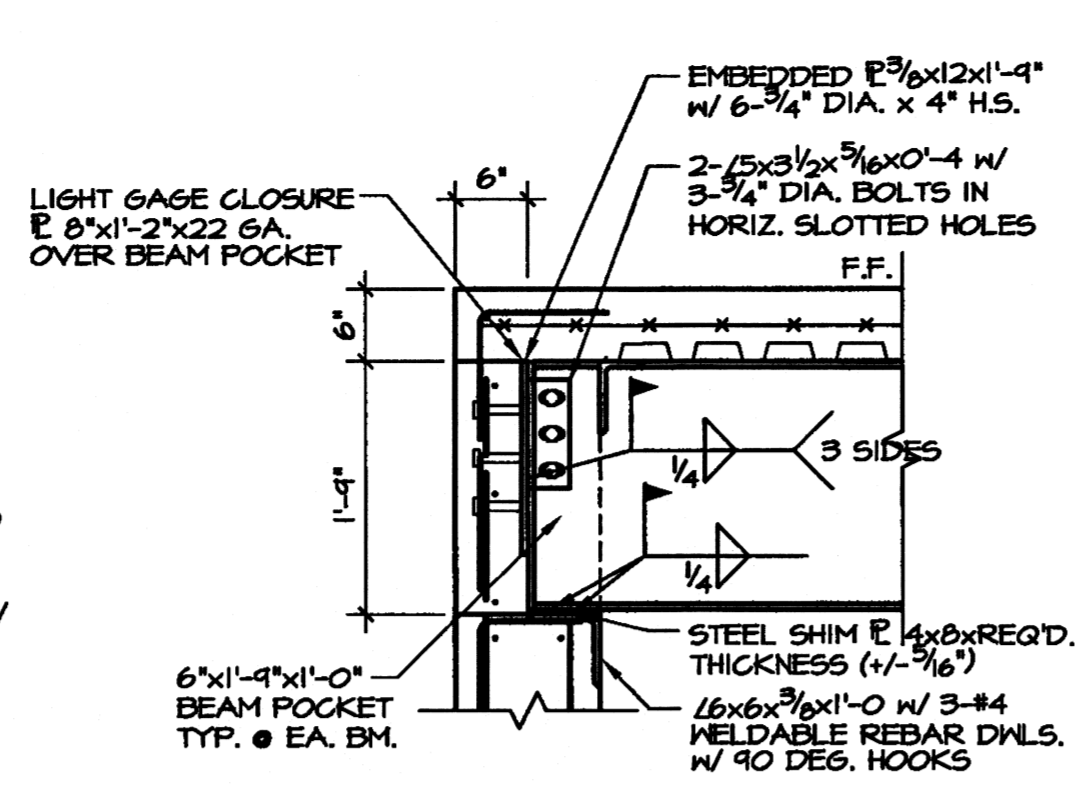
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Consultant: ENGINEERING CONSULTANTS, INC. 401 West Capitol Suite 305 Little Rock, Ar. 72201 Phone: (501) 376-3752	
Project Title: ARKANSAS STATE UNIVERSITY NEW COMPUTER SERVICES AND TELECOMMUNICATIONS CENTER JONESBORO, ARKANSAS	
 FRANK M. ALLISON No. 5920	 ENGINEERING CONSULTANTS, INC. No. 26
Rev. No. Rev. Date Commission No. 1-2615-47 Rev. No. Rev. Date Issue Date 5-25-00 Rev. No. Rev. Date	Drawing No. 5302



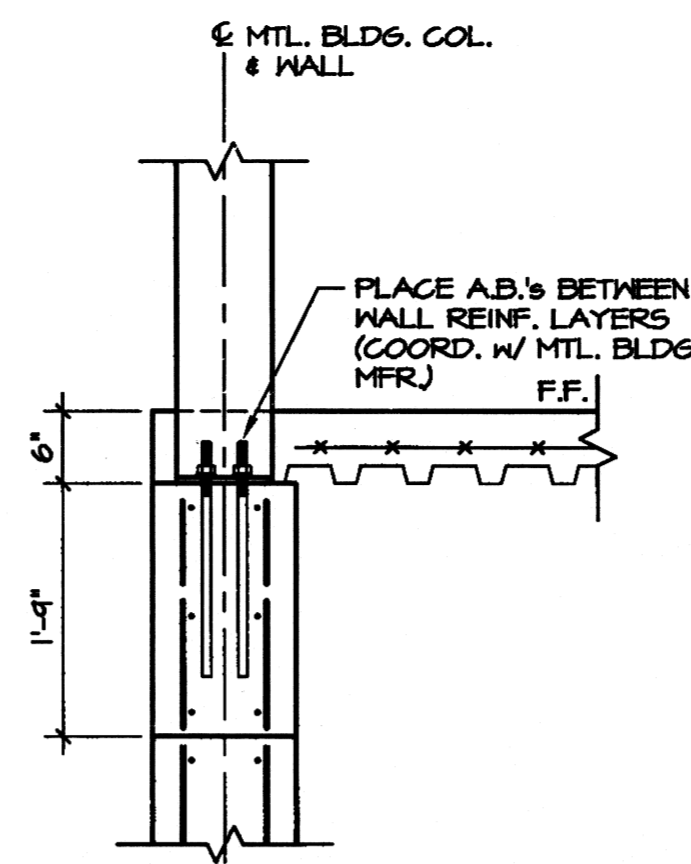
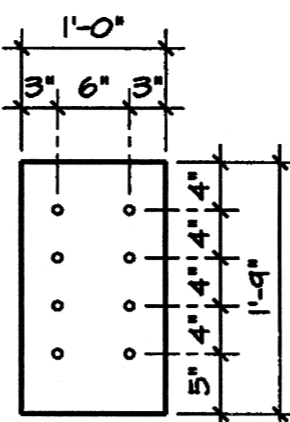
1 SECTION
3/4" = 1'-0"



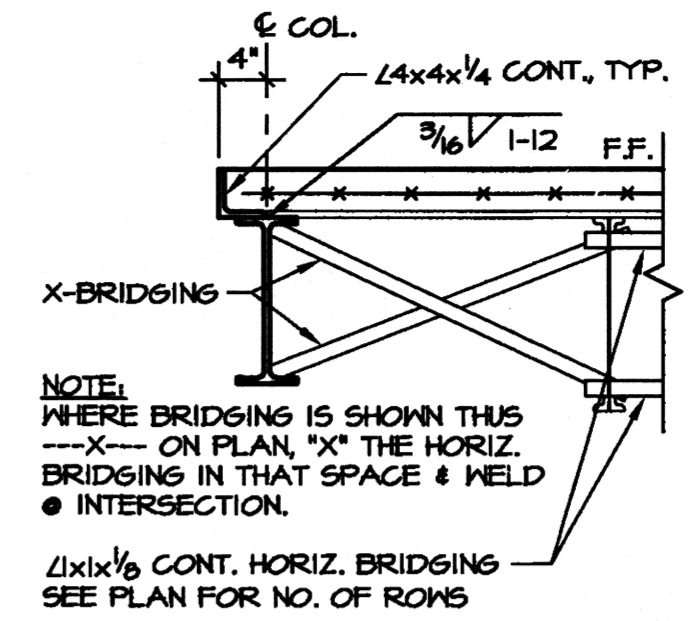
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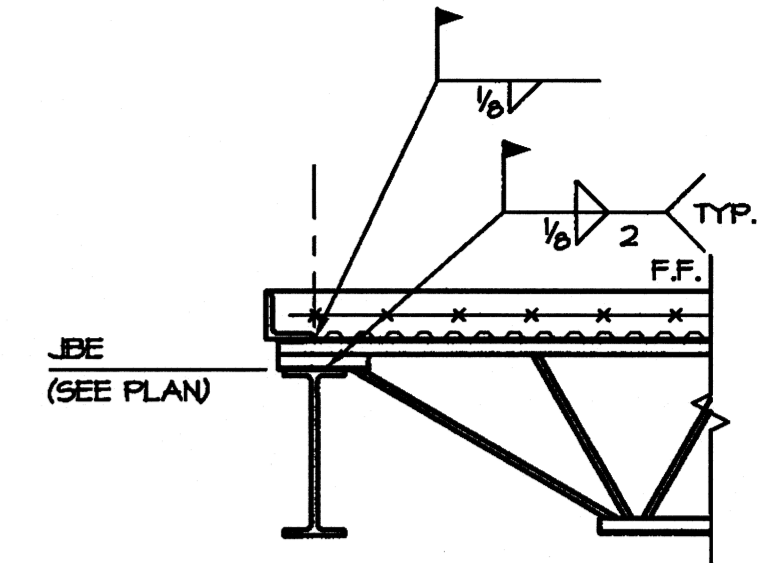
2A SECTION
3/4" = 1'-0"



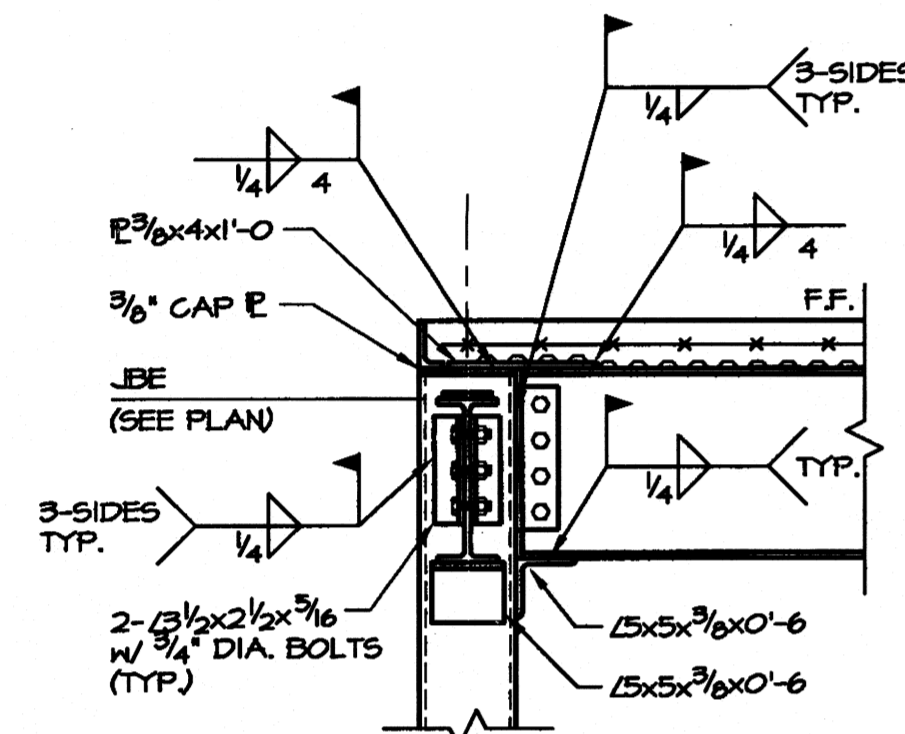
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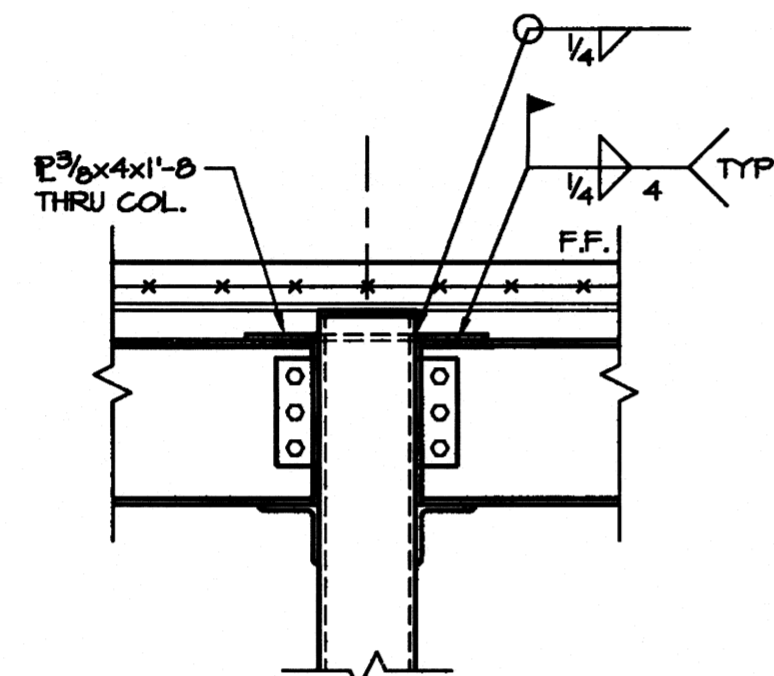
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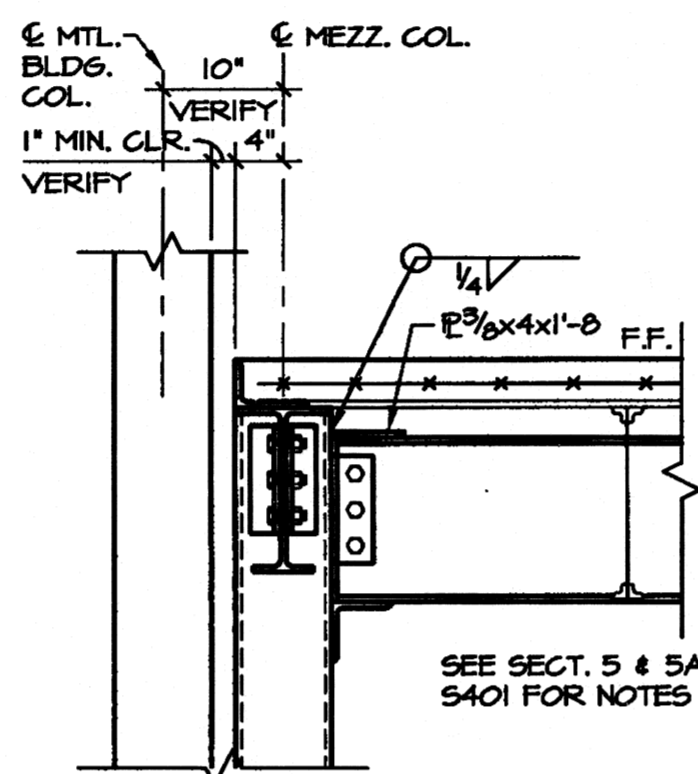
4 SECTION
3/4" = 1'-0"



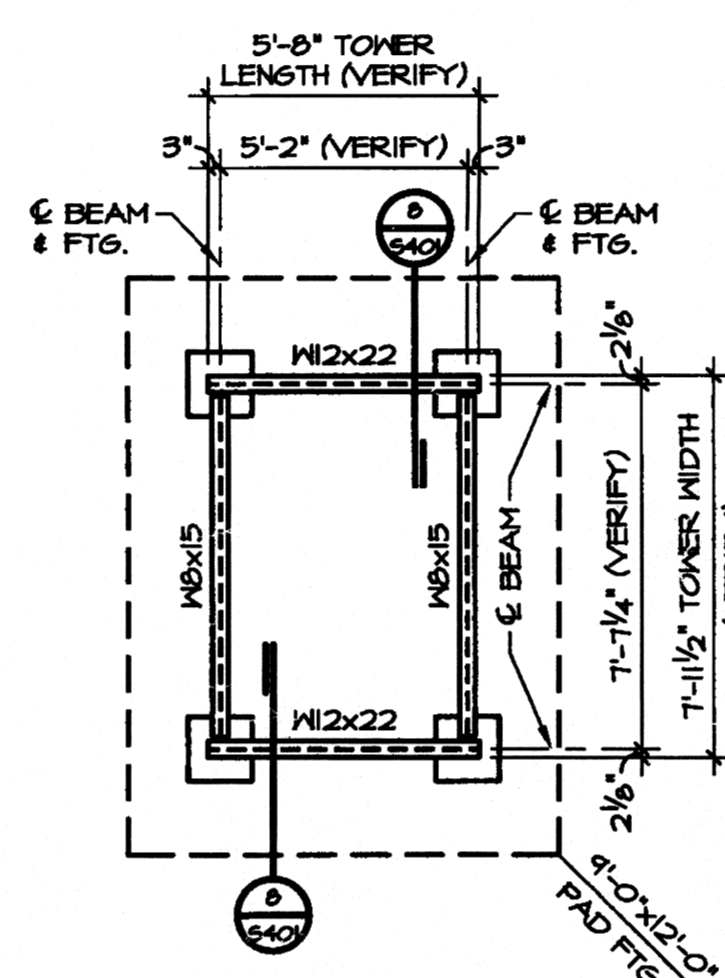
5 SECTION
3/4" = 1'-0"



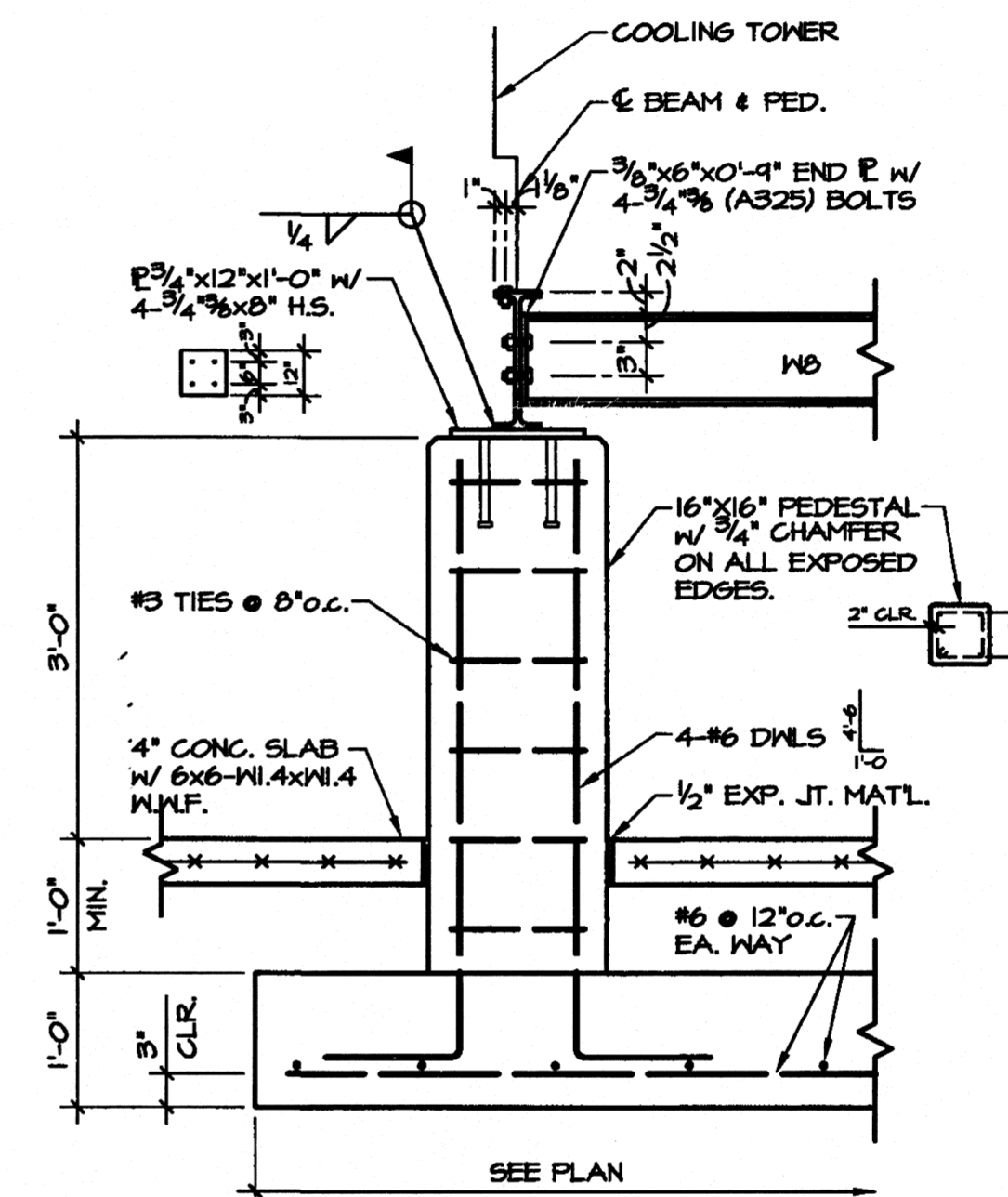
5A SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"



7 COOLING TOWER FOUNDATION PLAN
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"

- GENERAL NOTES:
- CLEAN & PAINT ALL STEEL & WELDS PER SPECIFICATIONS.
 - BOLTS: ASTM A325-X, GALVANIZED.

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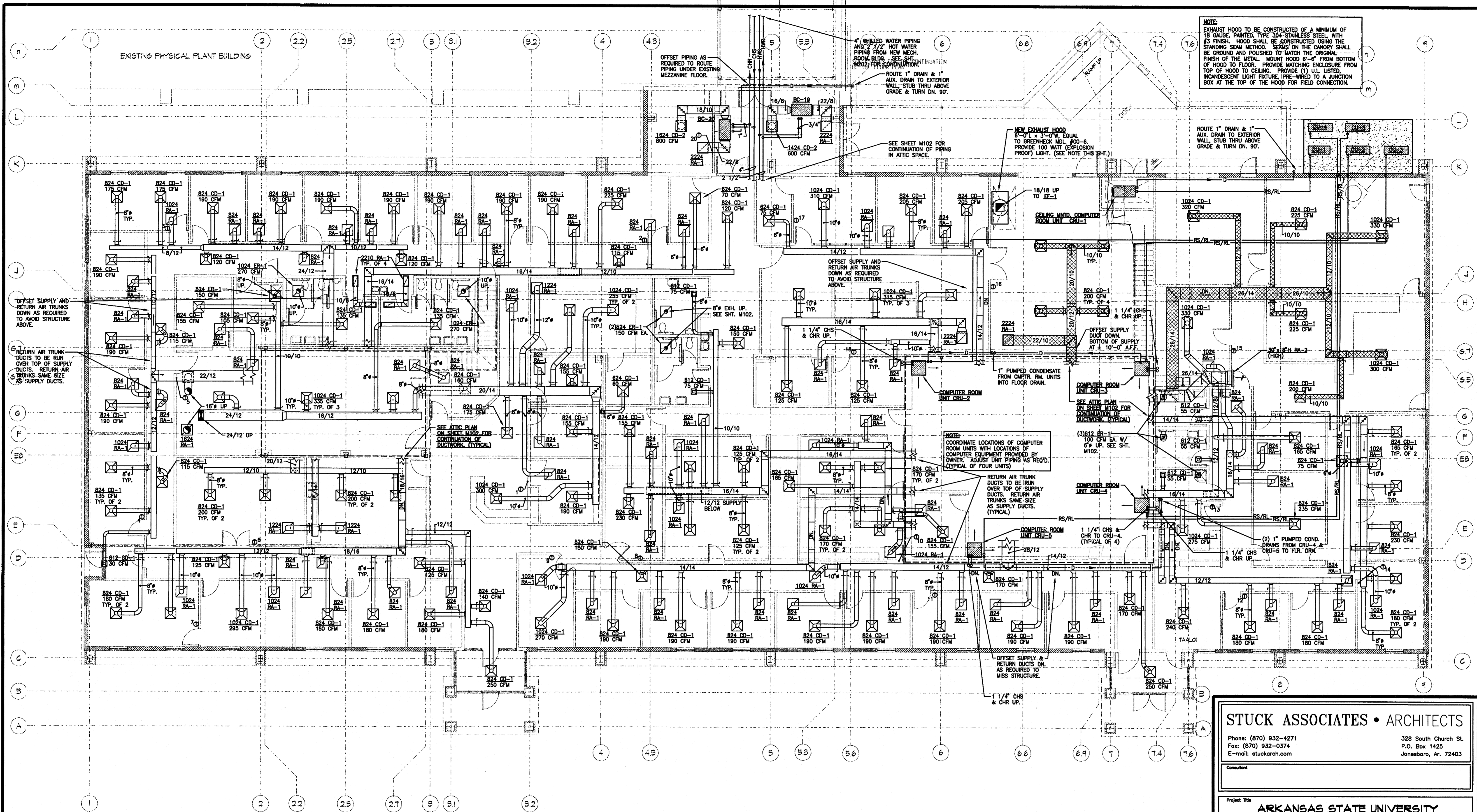
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 REGISTERED PROFESSIONAL ENGINEER
 No. 5920

Seal: **ENGINEERING CONSULTANTS, INC.**
 No. 26
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Drawing No. **S401**



NOTE:
EXHAUST HOOD TO BE CONSTRUCTED OF A MINIMUM OF 18 GAUGE, PAINTED, TYPE 304-STAINLESS STEEL WITH #3 FINISH. HOOD SHALL BE CONSTRUCTED USING THE STANDING SEAM METHOD. SEAMS ON THE CANOPY SHALL BE GROUND AND POLISHED TO MATCH THE ORIGINAL FINISH OF THE METAL. MOUNT HOOD 6"-6" FROM BOTTOM OF HOOD TO FLOOR. PROVIDE MATCHING ENCLOSURE FROM TOP OF HOOD TO CEILING. PROVIDE (1) UL LISTED, INCANDESCENT LIGHT FIXTURE, PRE-WIRED TO A JUNCTION BOX AT THE TOP OF THE HOOD FOR FIELD CONNECTION.

NEW EXHAUST HOOD
6'-0" x 3'-0" W. EQUAL TO GREENHECK MDL. #60-6. PROVIDE 100 WATT (EXPLOSION PROOF) LIGHT. (SEE NOTE THIS SHT.)

SEE SHEET M102 FOR CONTINUATION OF PIPING IN ATTIC SPACE.

ROUTE 1" DRAIN & 1" AUX. DRAIN TO EXTERIOR WALL. STUB THRU ABOVE GRADE & TURN DN. 90°.

OFFSET SUPPLY AND RETURN AIR TRUNKS DOWN AS REQUIRED TO AVOID STRUCTURE ABOVE.

SEE ATTIC PLAN ON SHEET M102 FOR CONTINUATION OF DUCTWORK (TYPICAL).

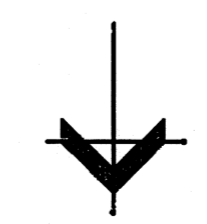
NOTE: COORDINATE LOCATIONS OF COMPUTER ROOM UNITS WITH LOCATIONS OF COMPUTER EQUIPMENT PROVIDED BY OWNER. ADJUST UNIT PIPING AS REQ'D. (TYPICAL OF FOUR UNITS)

RETURN AIR TRUNK DUCTS TO BE RUN OVER TOP OF SUPPLY DUCTS. RETURN AIR TRUNKS SAME SIZE AS SUPPLY DUCTS. (TYPICAL)

OFFSET SUPPLY & RETURN DUCTS DN. AS REQUIRED TO MISS STRUCTURE.

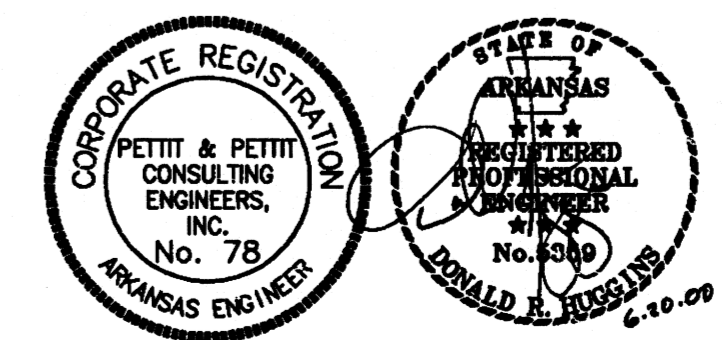
FLOOR PLAN - HVAC

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



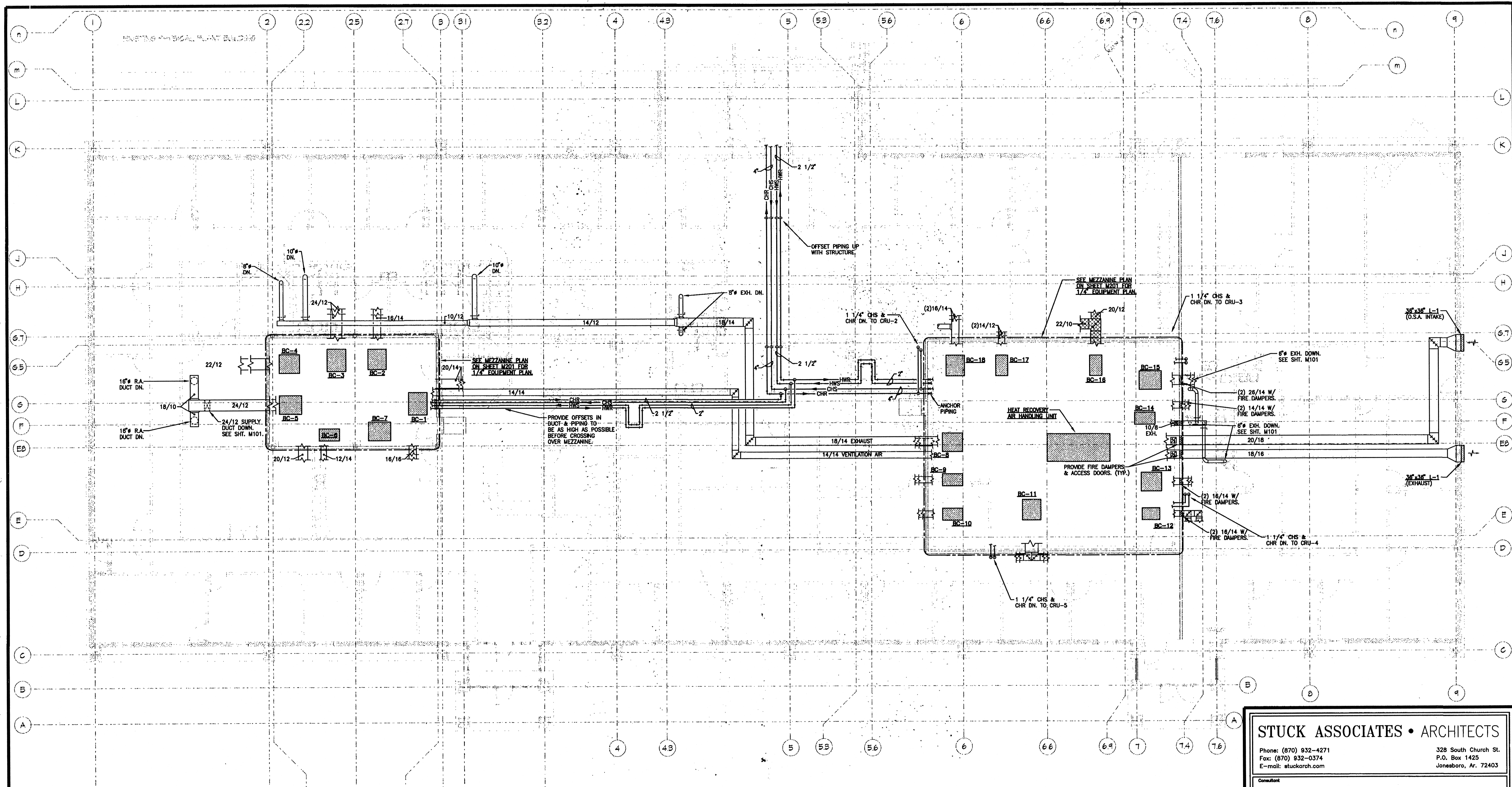
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1	6-20-00	1-2615-97
2	5-25-2000	Issue Date
3		Revision Date
Drawing No. M101		

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

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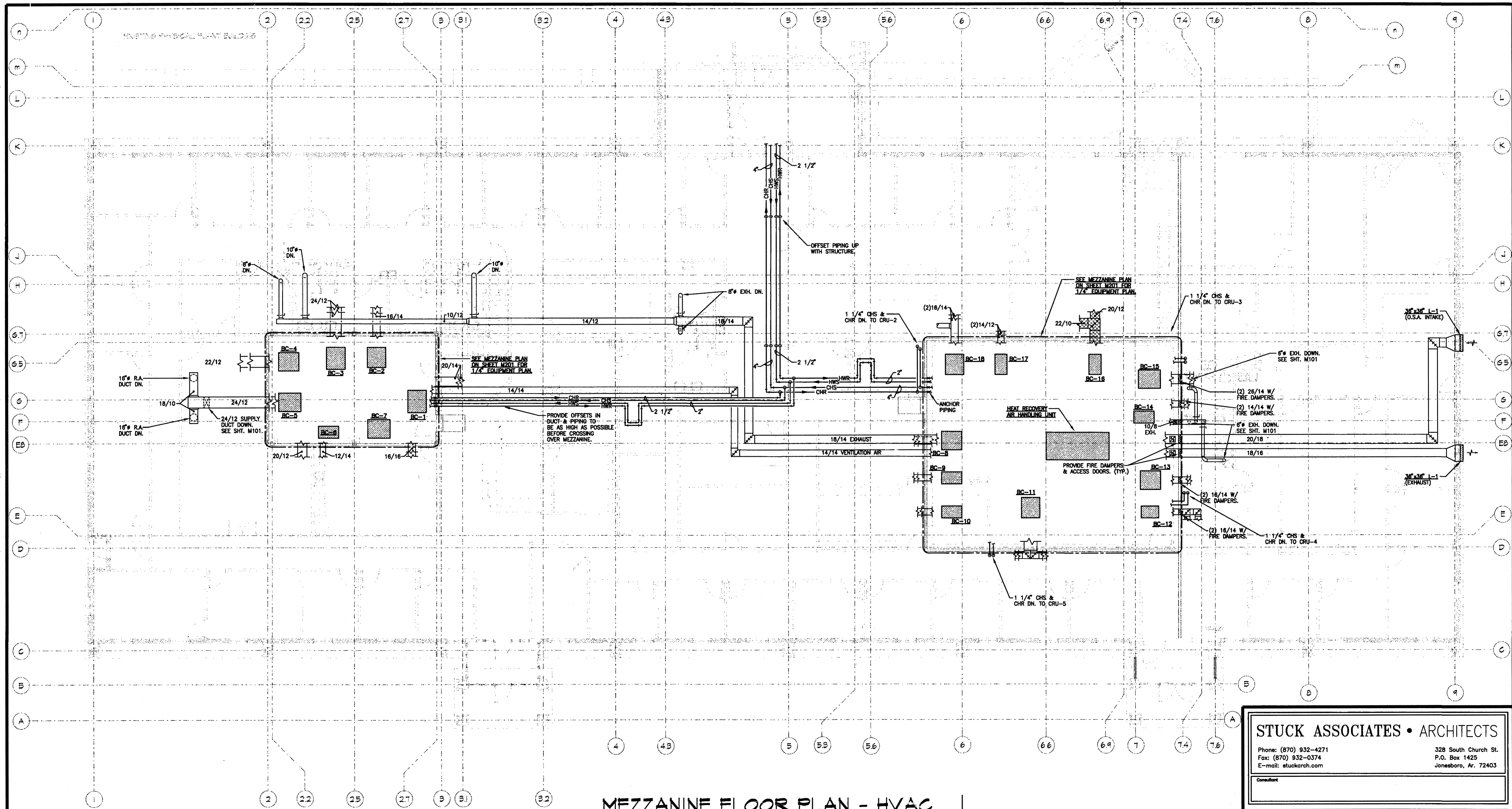
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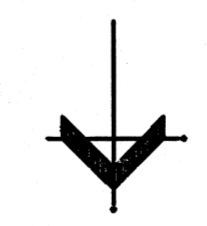
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1	6-6-00	1-2615-97	2	5-25-2000	
Drawing No. M102					

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MEZZANINE FLOOR PLAN - HVAC

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



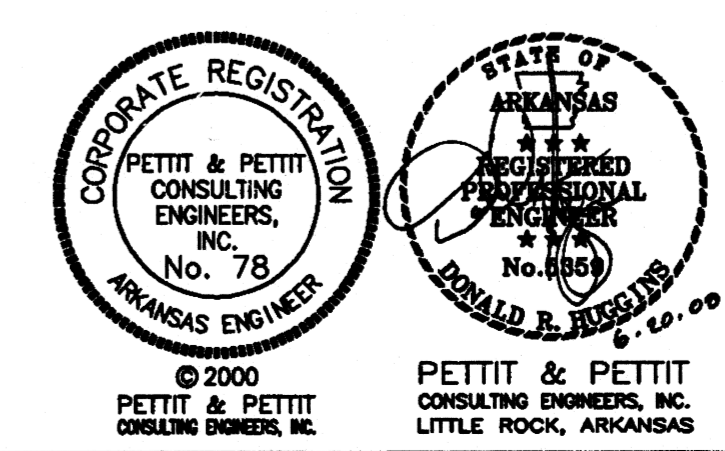
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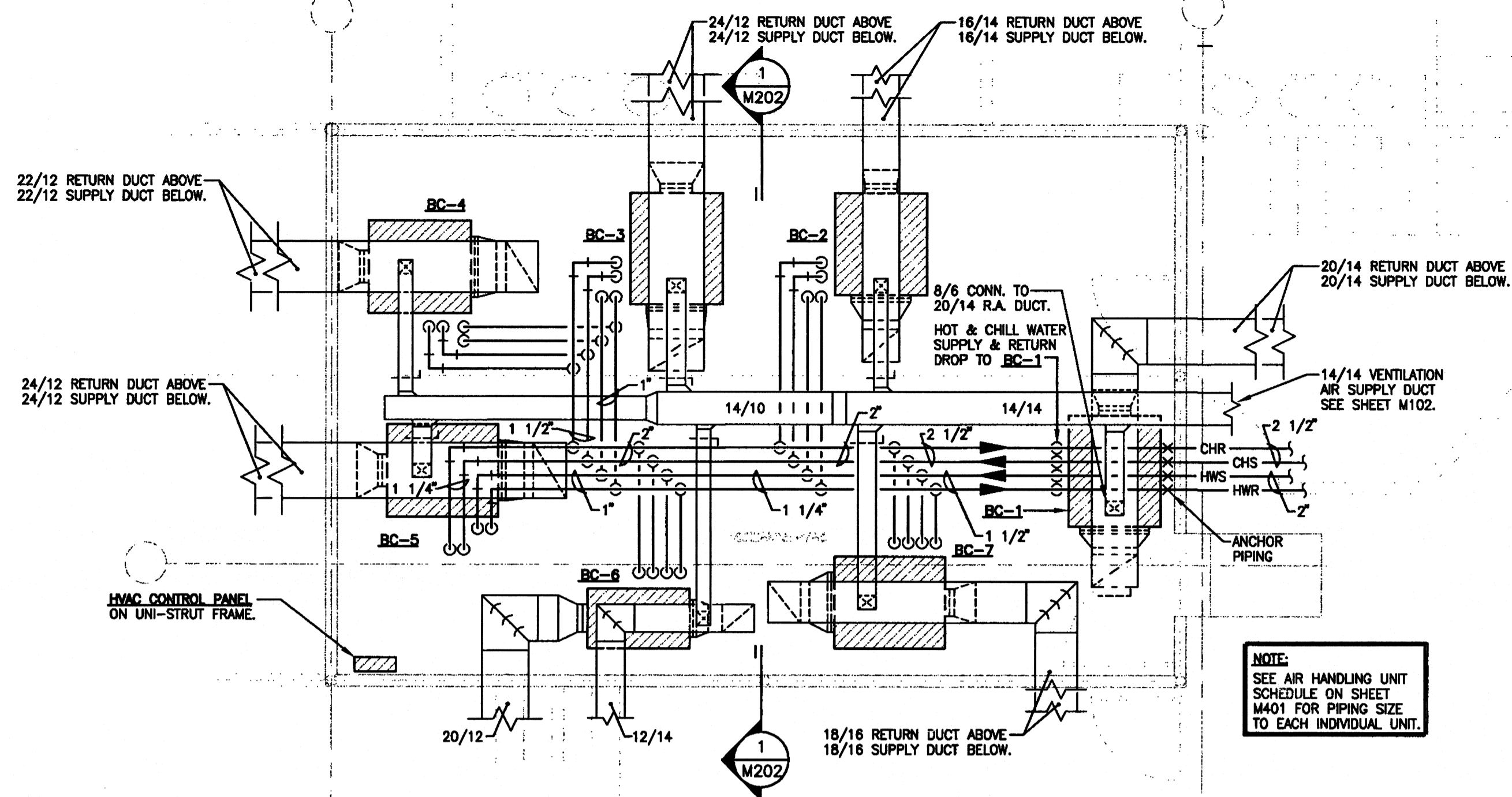
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Rev. No.	Rev. Date	Commission No.
1	5-25-2000	1-2615-47
2	5-25-2000	

Drawing No.
M102

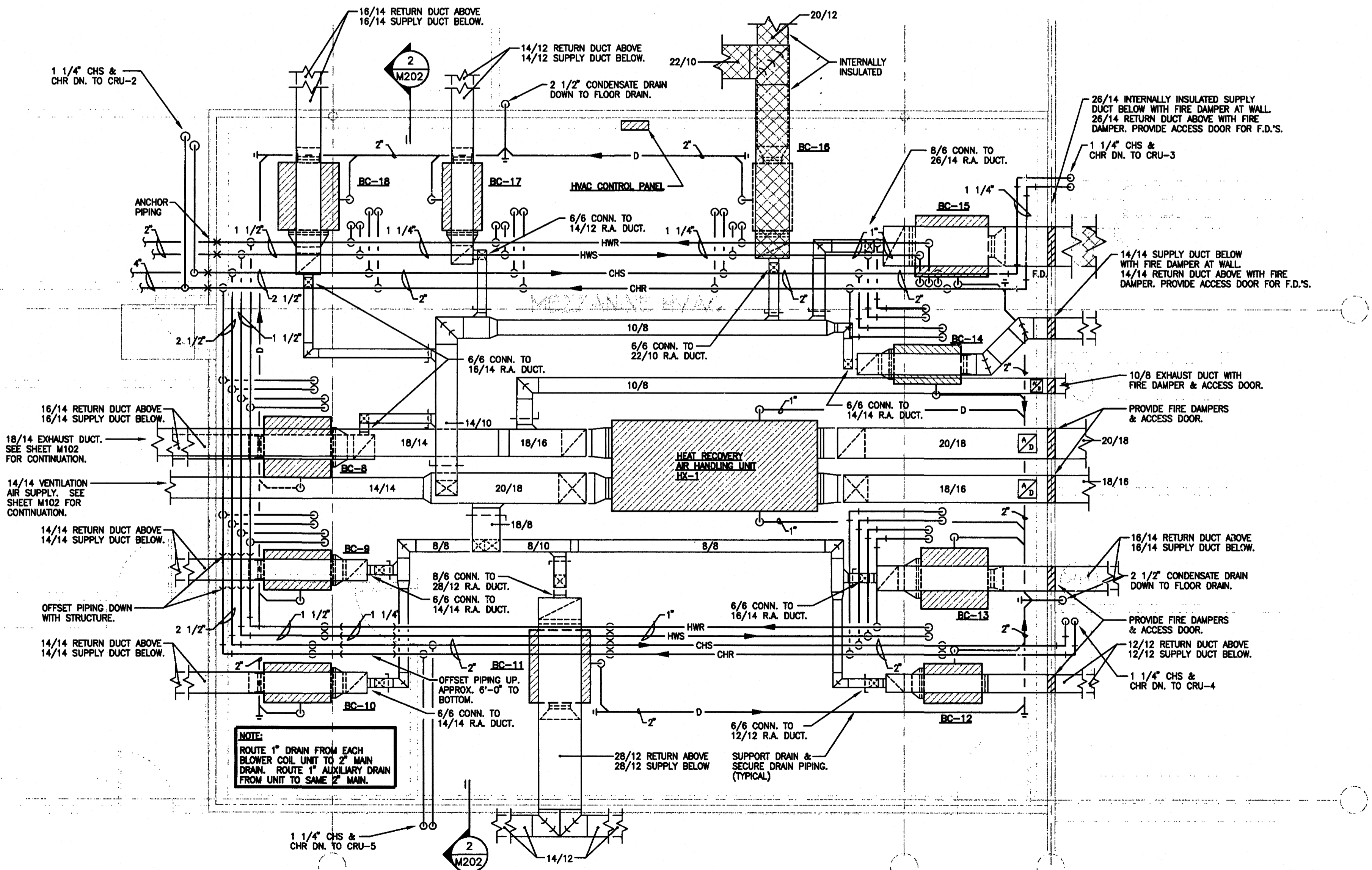


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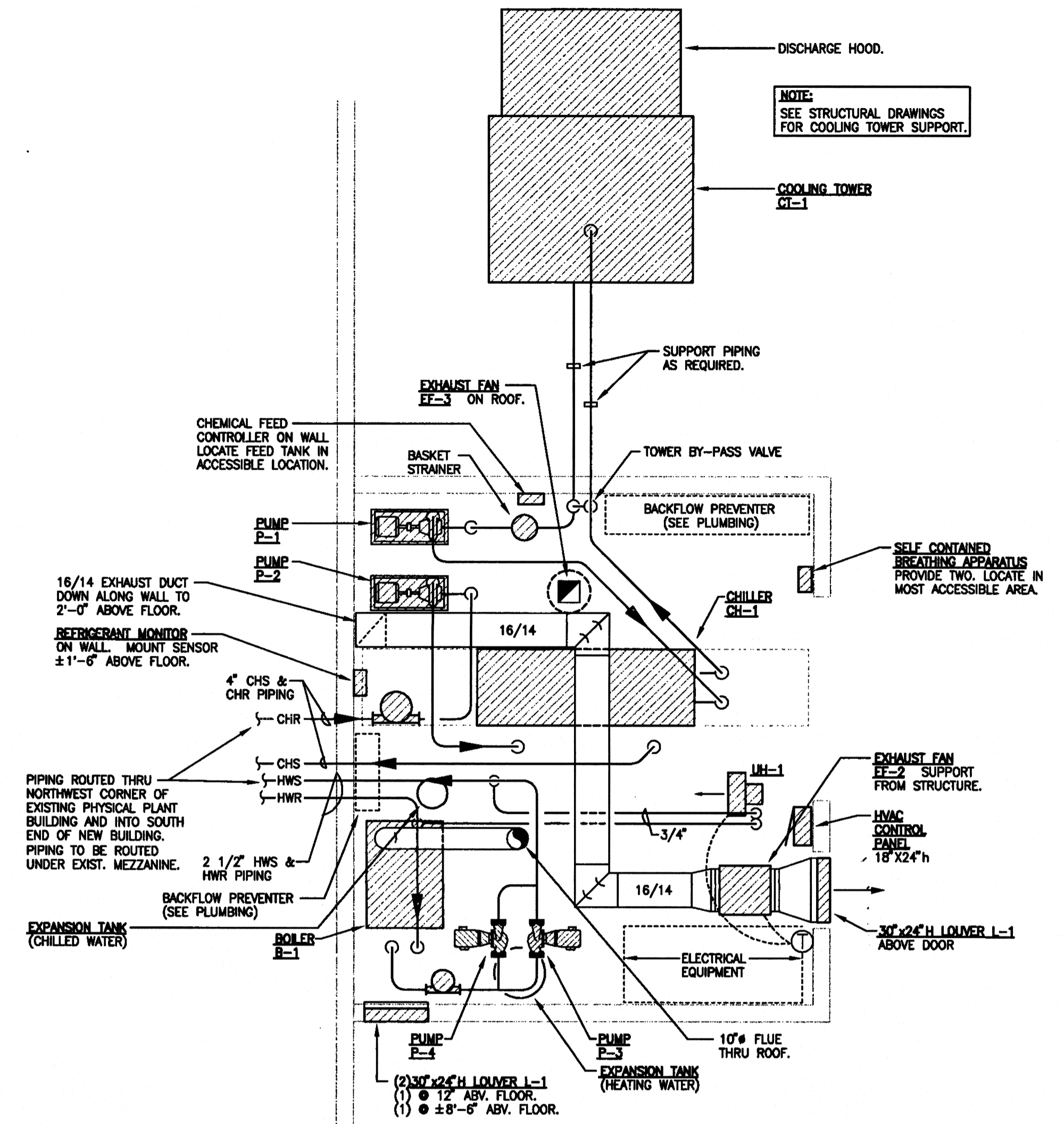
MEZZANINE PLAN - HVAC
SCALE: 1/4" = 1' - 0"

NOTE: SEE AIR HANDLING UNIT SCHEDULE ON SHEET M401 FOR PIPING SIZE TO EACH INDIVIDUAL UNIT.



MEZZANINE PLAN - HVAC
SCALE: 1/4" = 1' - 0"

NOTE: SEE AIR HANDLING UNIT SCHEDULE ON SHEET M401 FOR PIPING SIZE TO EACH INDIVIDUAL UNIT.



MECH. ROOM PLAN - HVAC
SCALE: 1/4" = 1' - 0"

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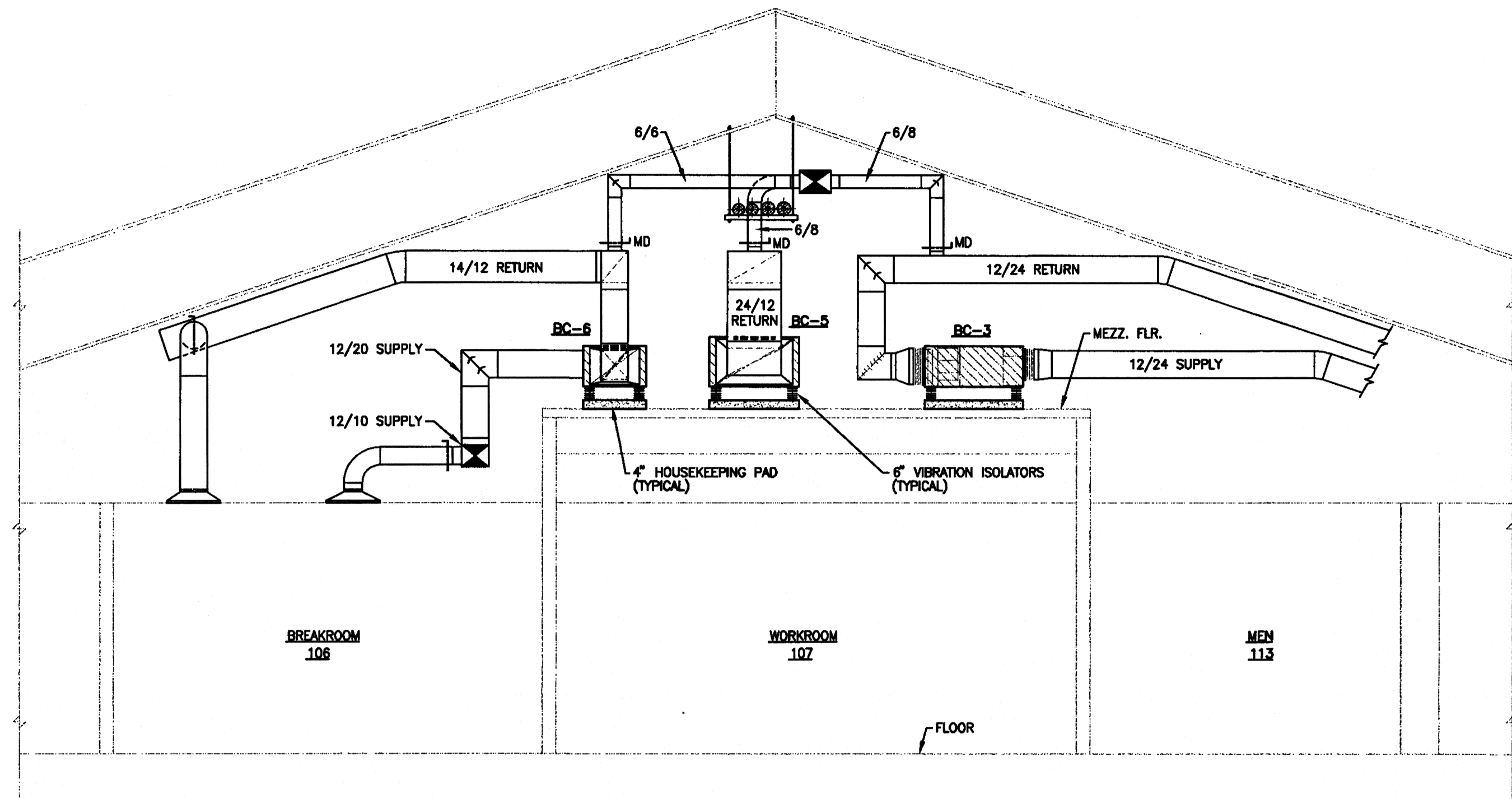
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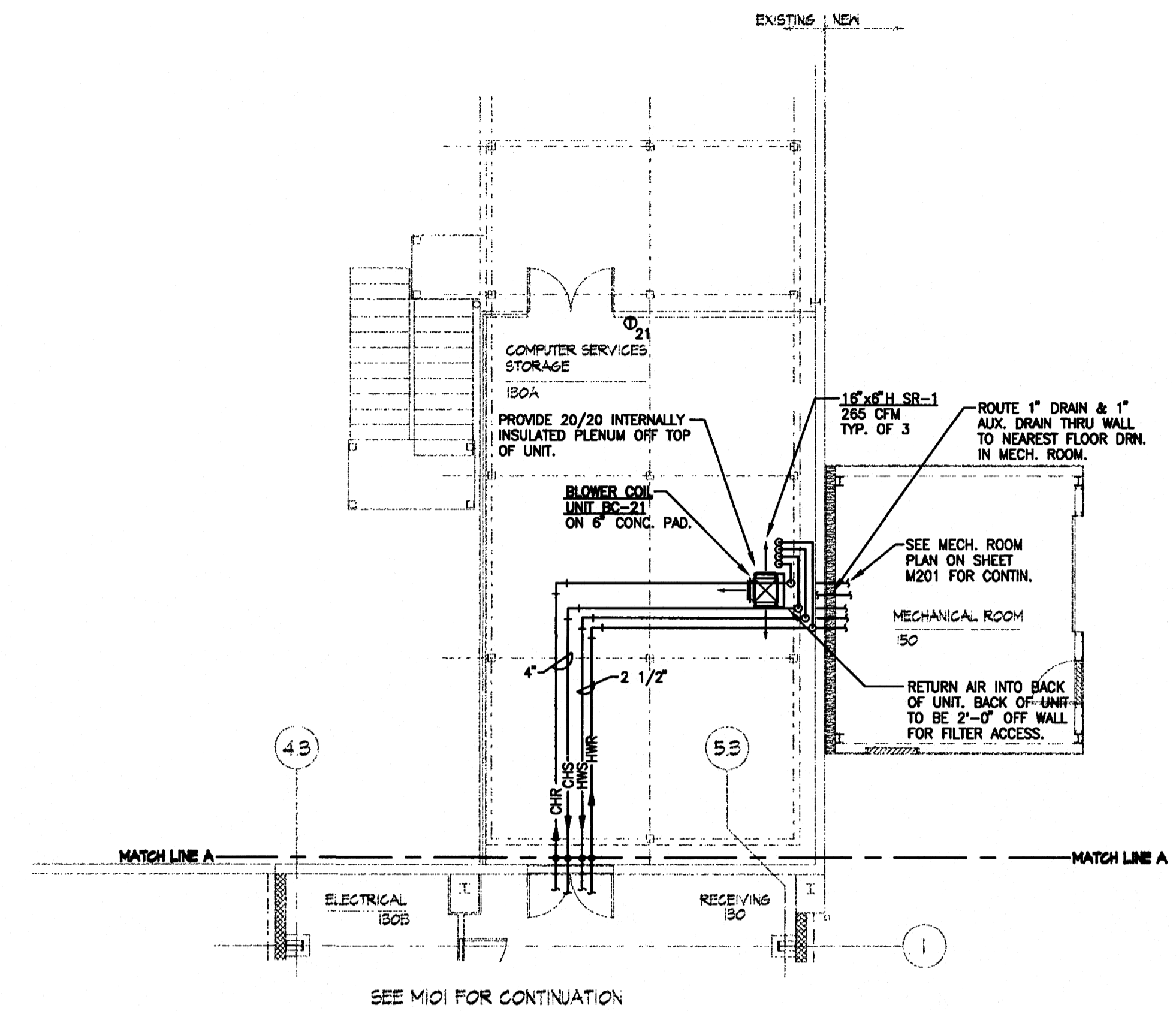
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DANIEL B. ROSS
6-25-00

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Rev. No.	Rev. Date	Revision Date
Drawing No.	M201	

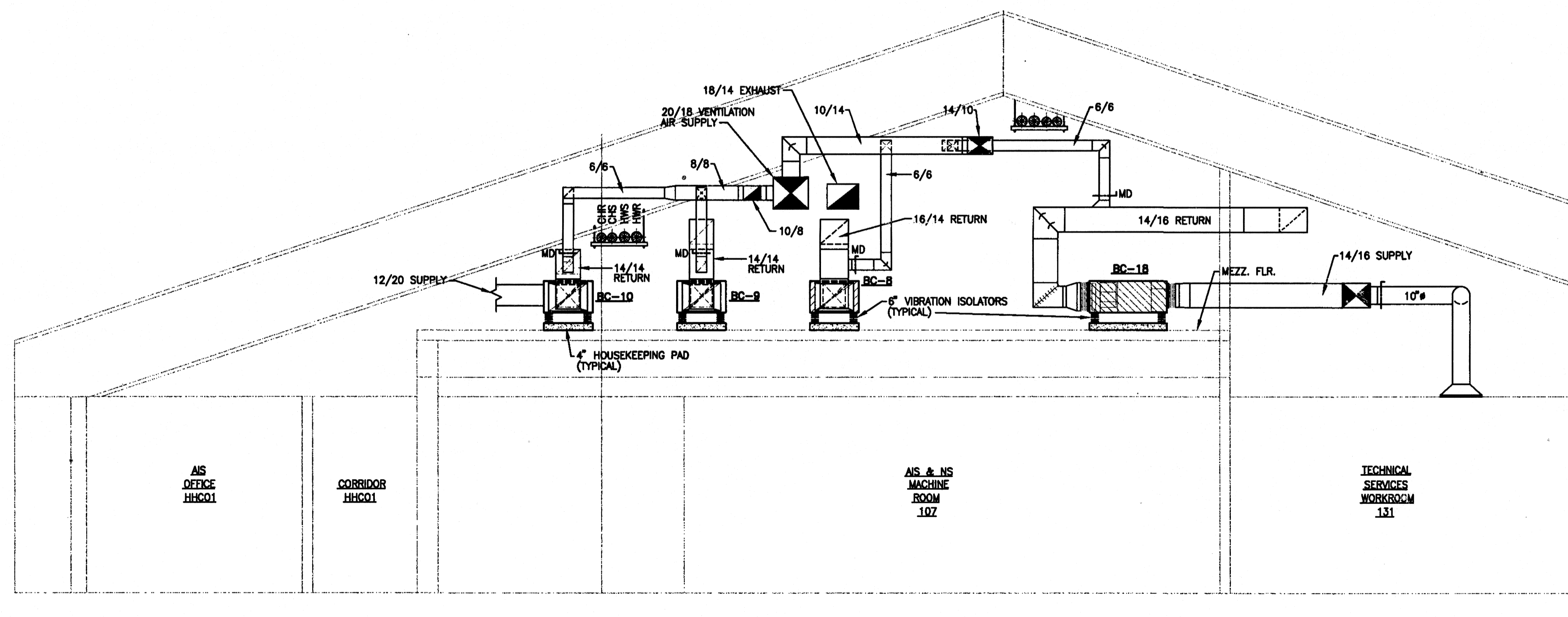
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1 SECTION
SCALE: 1/4" = 1' - 0"



3 PARTIAL PLAN - HVAC
SCALE: 1/8" = 1' - 0"



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

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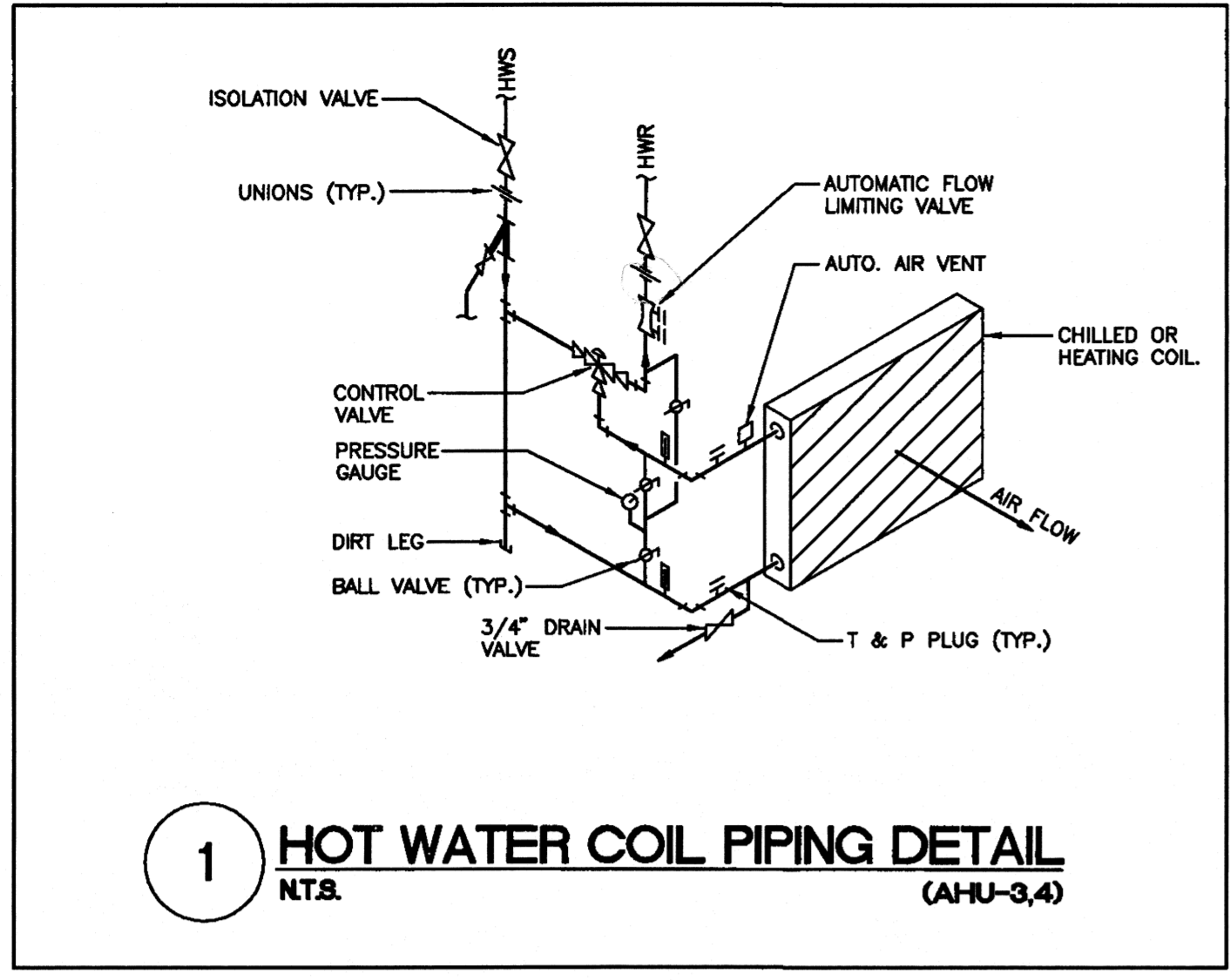
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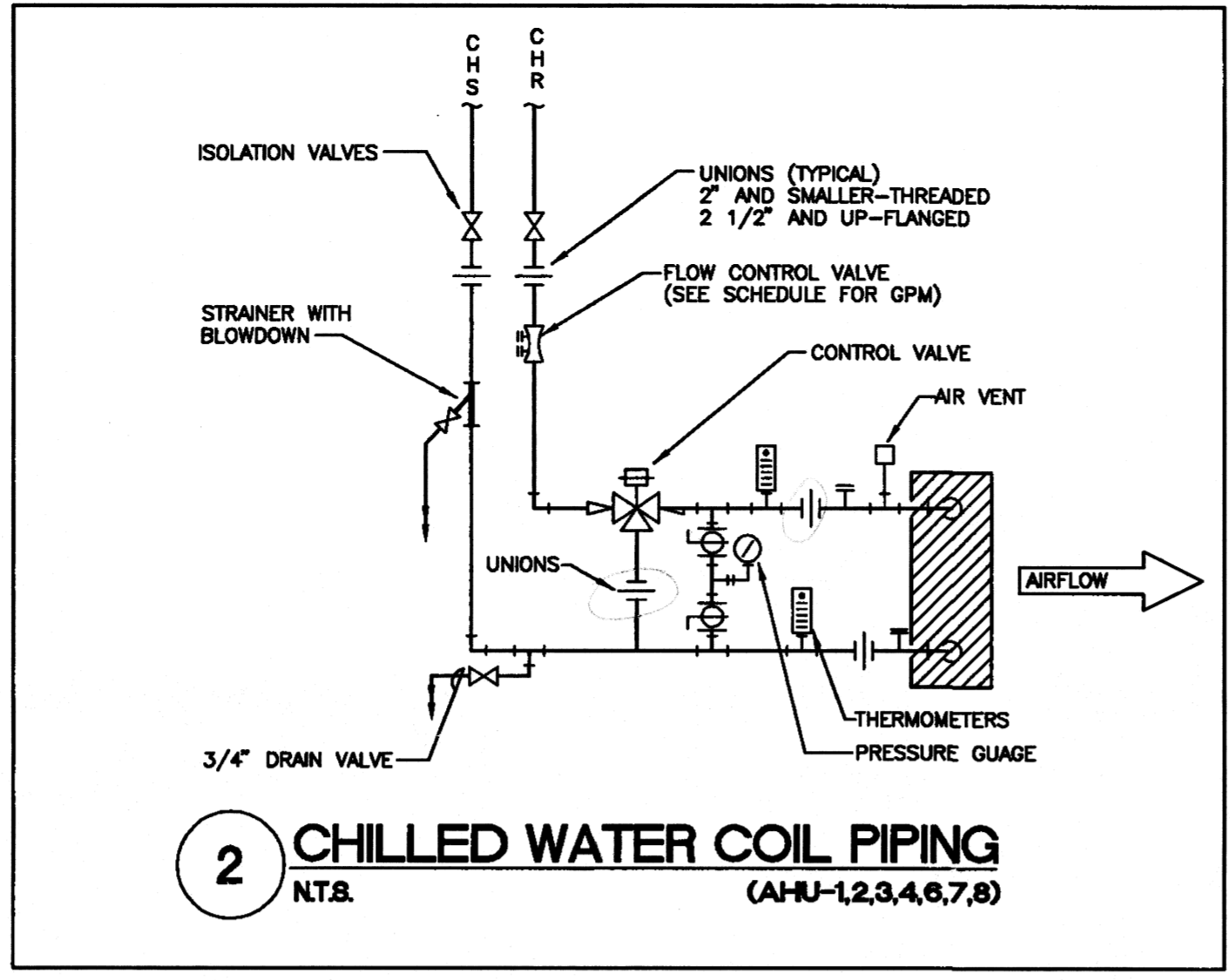
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 DONALD E. ROSSITER
 6-26-90

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Rev./No.	Rev. Date	Issue Date
5-25-2000		
Rev./No.	Rev. Date	Revision Date
Drawing No.		
M202		

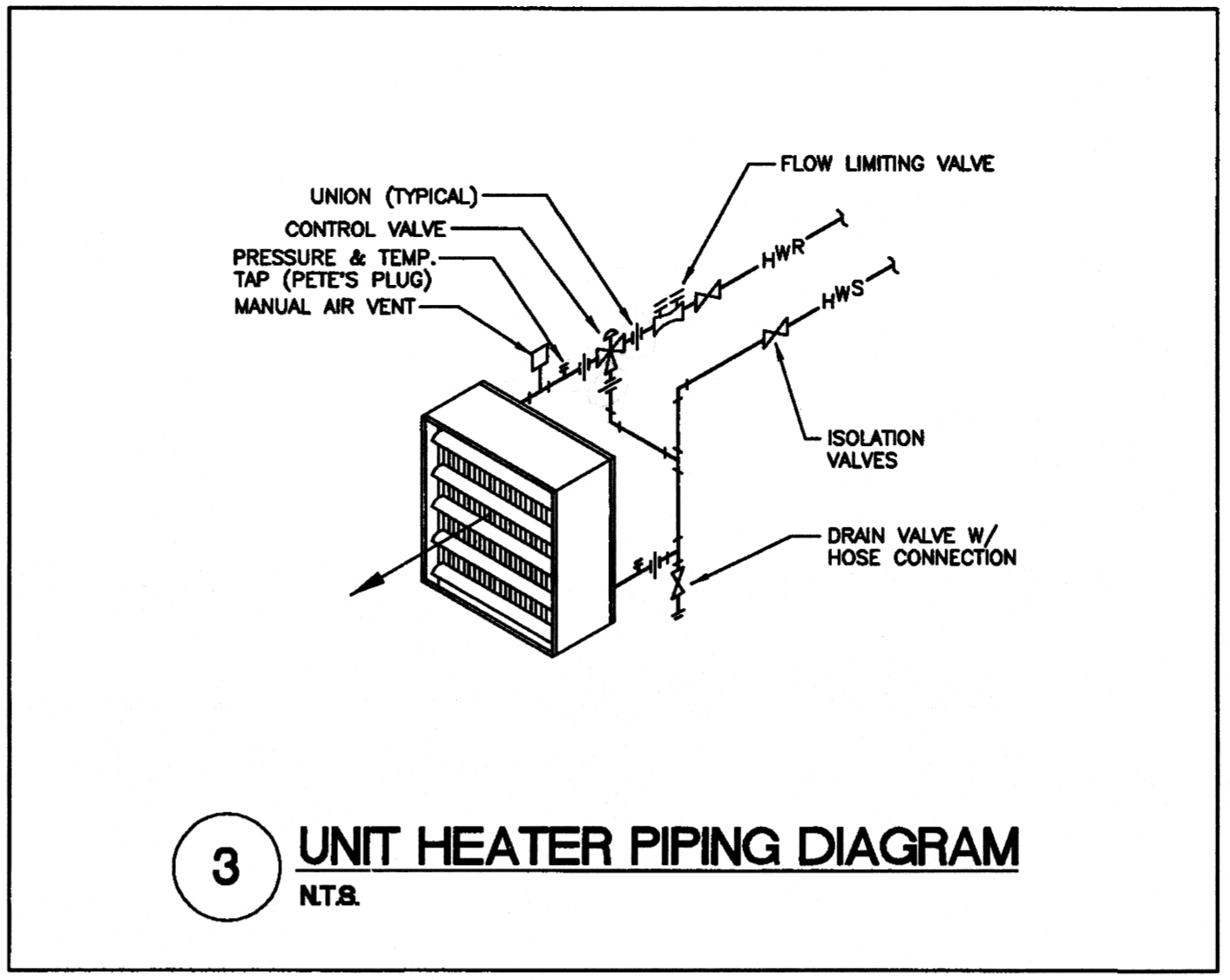
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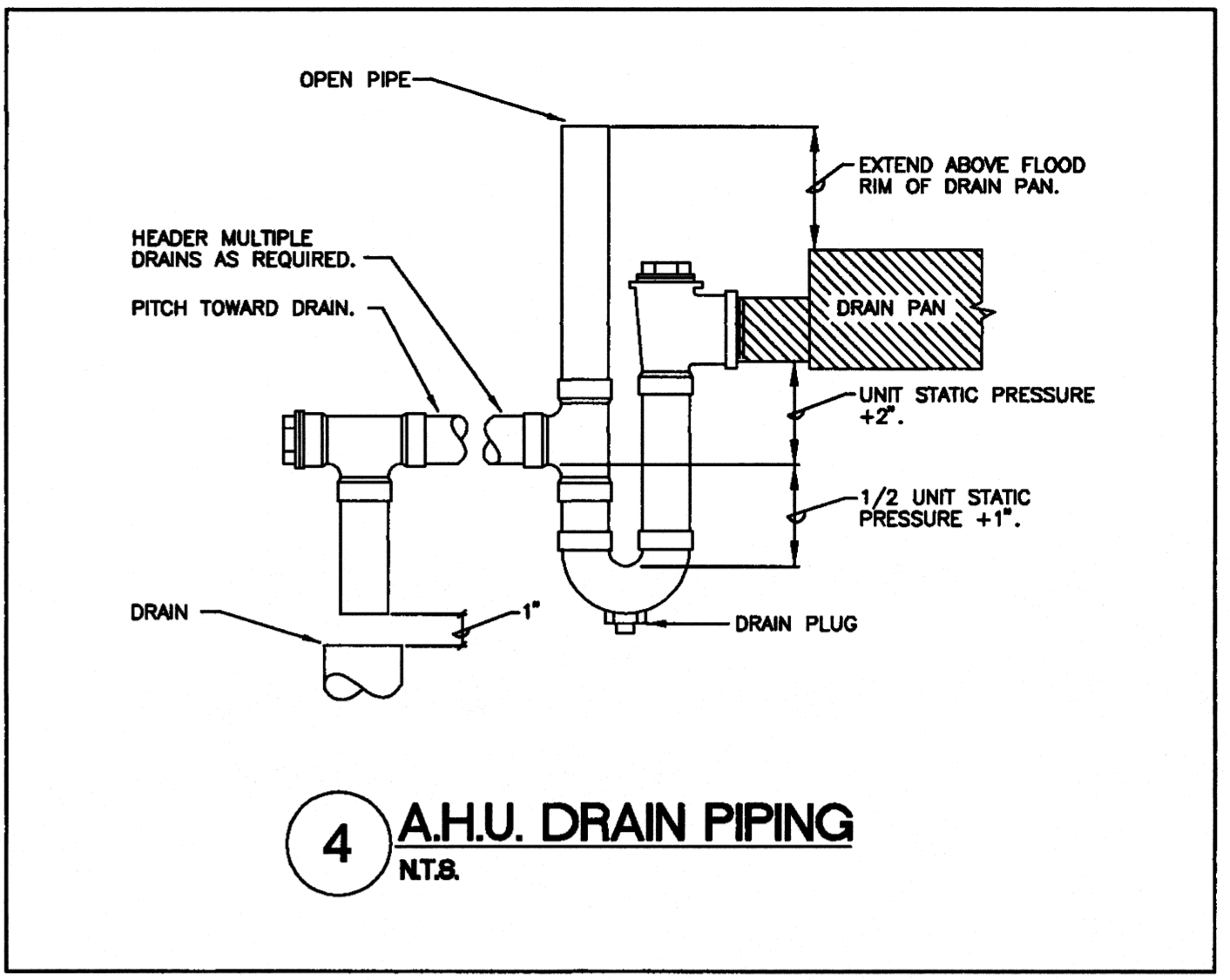
1 HOT WATER COIL PIPING DETAIL
NTB. (AHU-3,4)



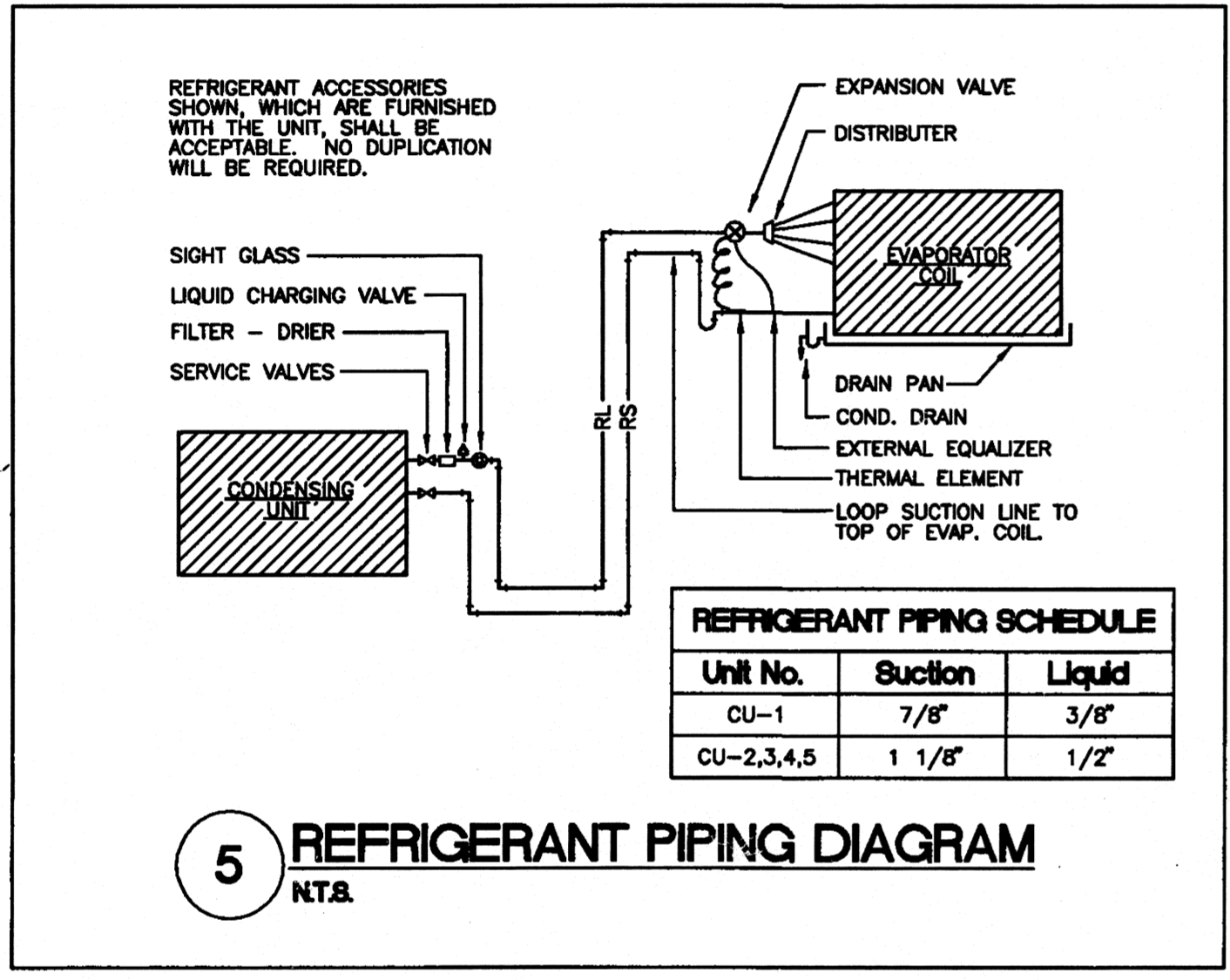
2 CHILLED WATER COIL PIPING
NTB. (AHU-1,2,3,4,6,7,8)



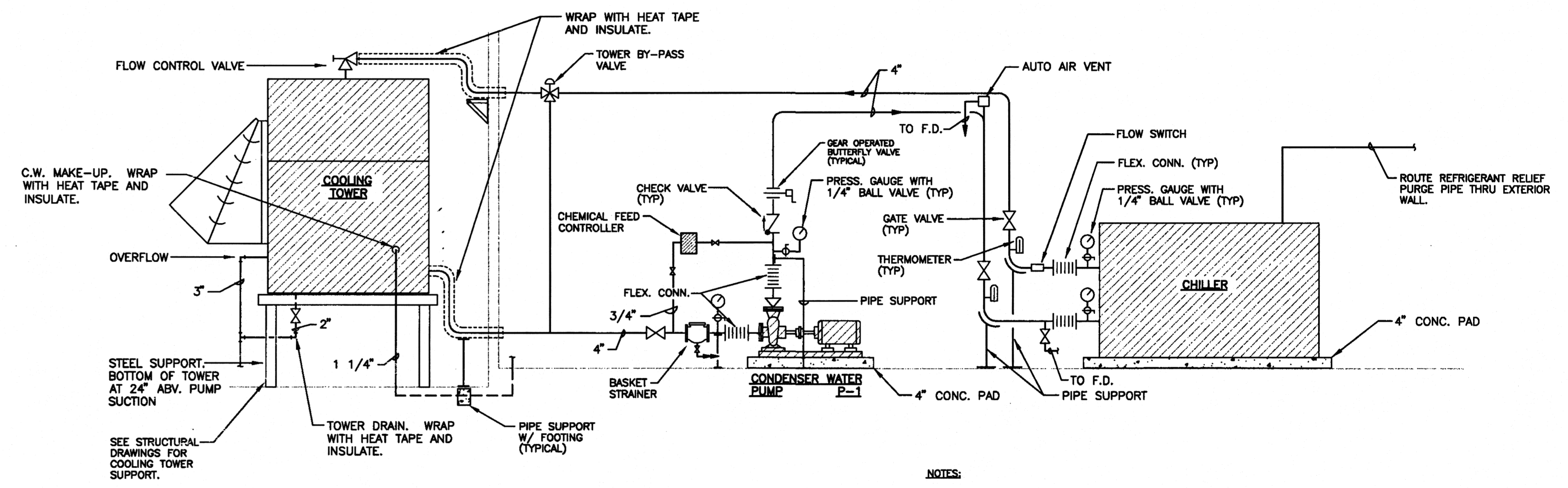
3 UNIT HEATER PIPING DIAGRAM
NTB.



4 A.H.U. DRAIN PIPING
NTB.

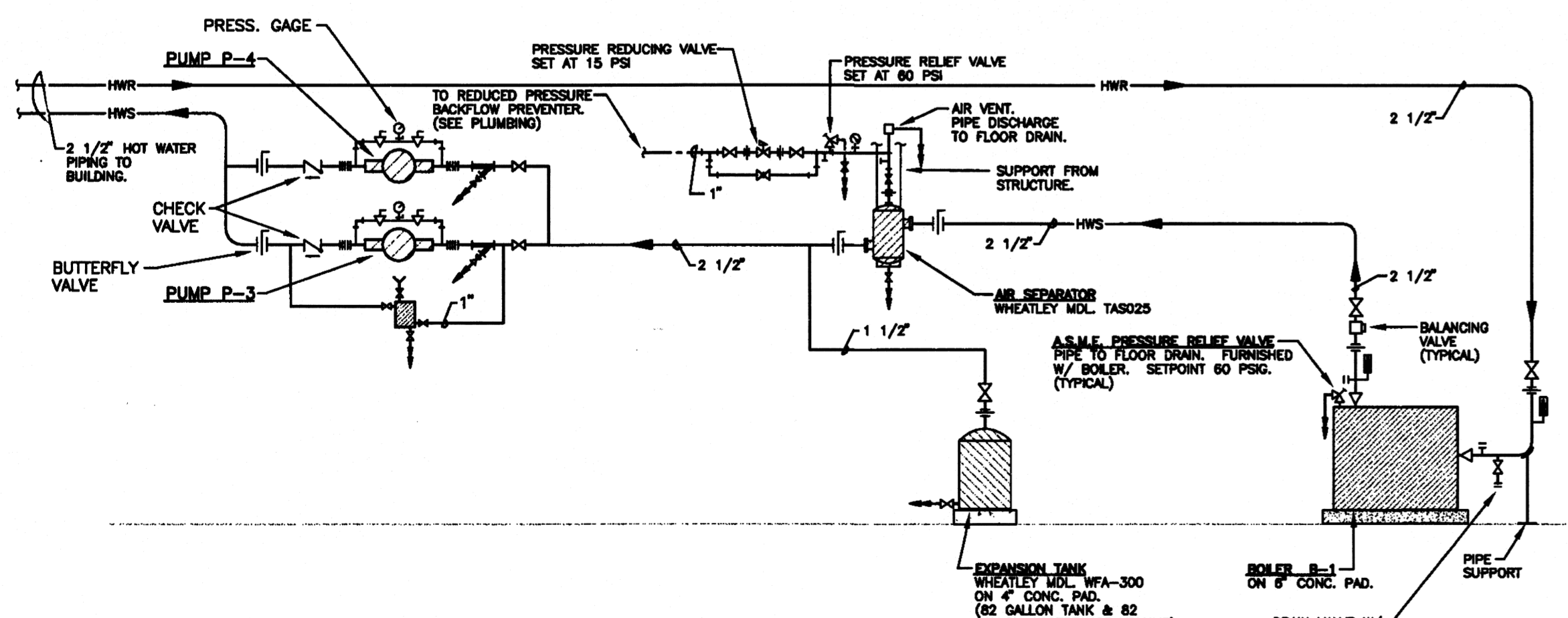


5 REFRIGERANT PIPING DIAGRAM
NTB.



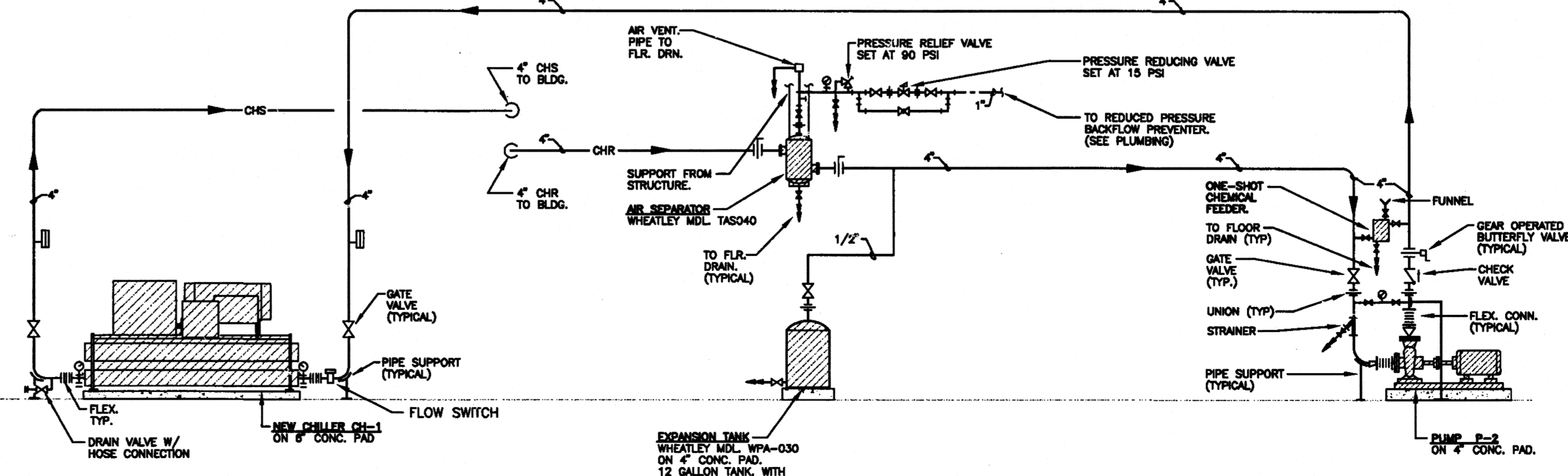
6 CONDENSER WATER FLOW DIAGRAM
NOT TO SCALE

- NOTES:
1. PROVIDE HEAT TAPE ON EXTERIOR DOMESTIC COLD WATER AND CONDENSER WATER PIPING. INSULATE WITH 2" FOAMGLASS AND ALUMINUM JACKET.
 2. ALL EXPOSED (UN-INSULATED) PIPING AND STEEL SUPPORTS SHALL BE CLEANED AND PAINTED WITH TWO COATS OF BLACK PAINT. EQUAL TO SHERWIN WILLIAMS DIRECT TO METAL ALKYL OIL BASED ENAMEL. UNPRIMED METAL TO BE PRIMED WITH SHERWIN WILLIAMS KEMKROMIK UNIVERSAL PRIMER THEN PAINTED AS NOTED ABOVE.



7 HEATING WATER FLOW DIAGRAM
NOT TO SCALE

1. COORDINATE WITH CONTROL CONTRACTOR FOR TEMP. WELL LOCATIONS.
2. VENT SYSTEM AS REQUIRED.



8 CHILLED WATER FLOW DIAGRAM
NOT TO SCALE

1. COORDINATE WITH CONTROL CONTRACTOR FOR TEMP. WELL LOCATIONS.
2. VENT SYSTEM AS REQUIRED.

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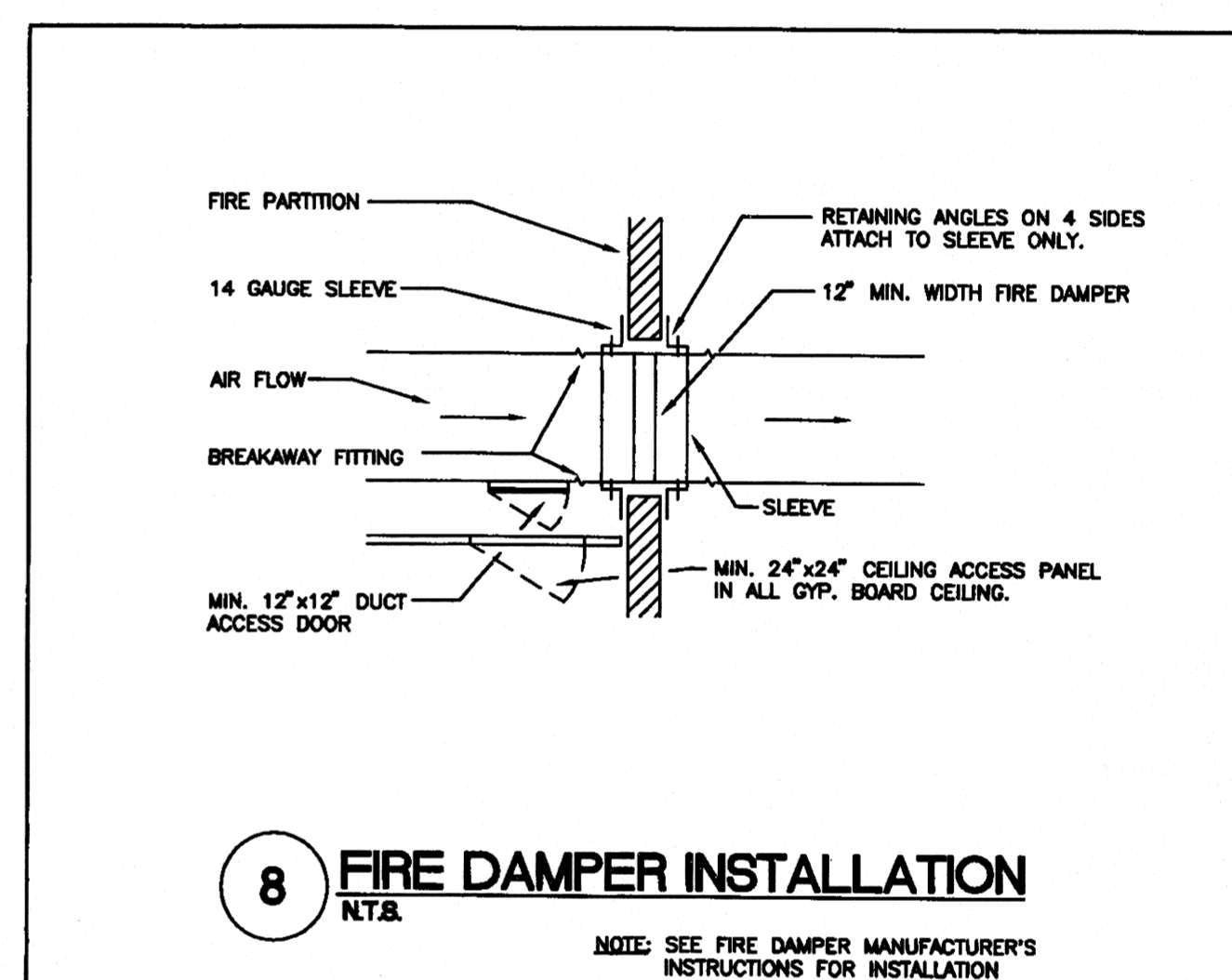
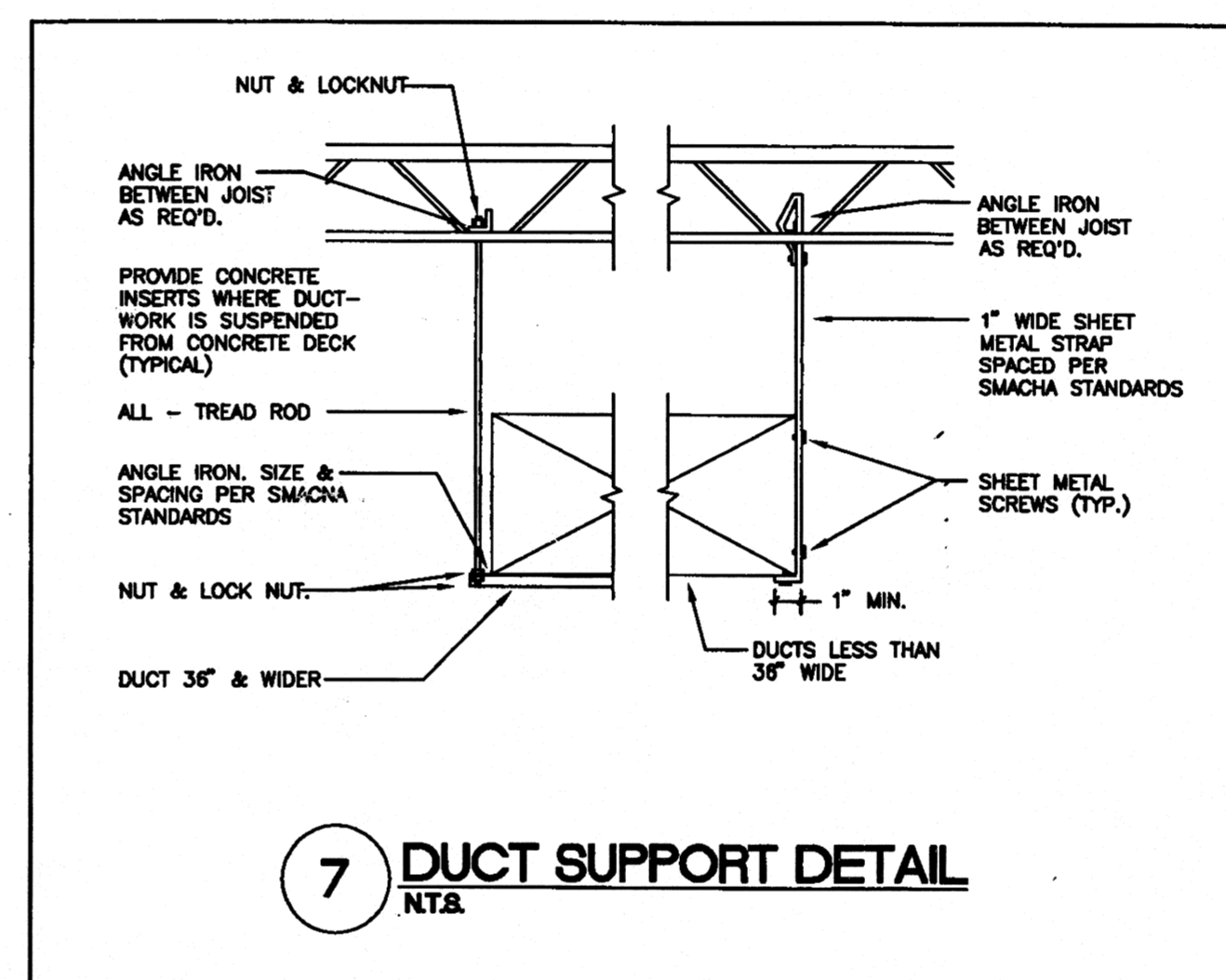
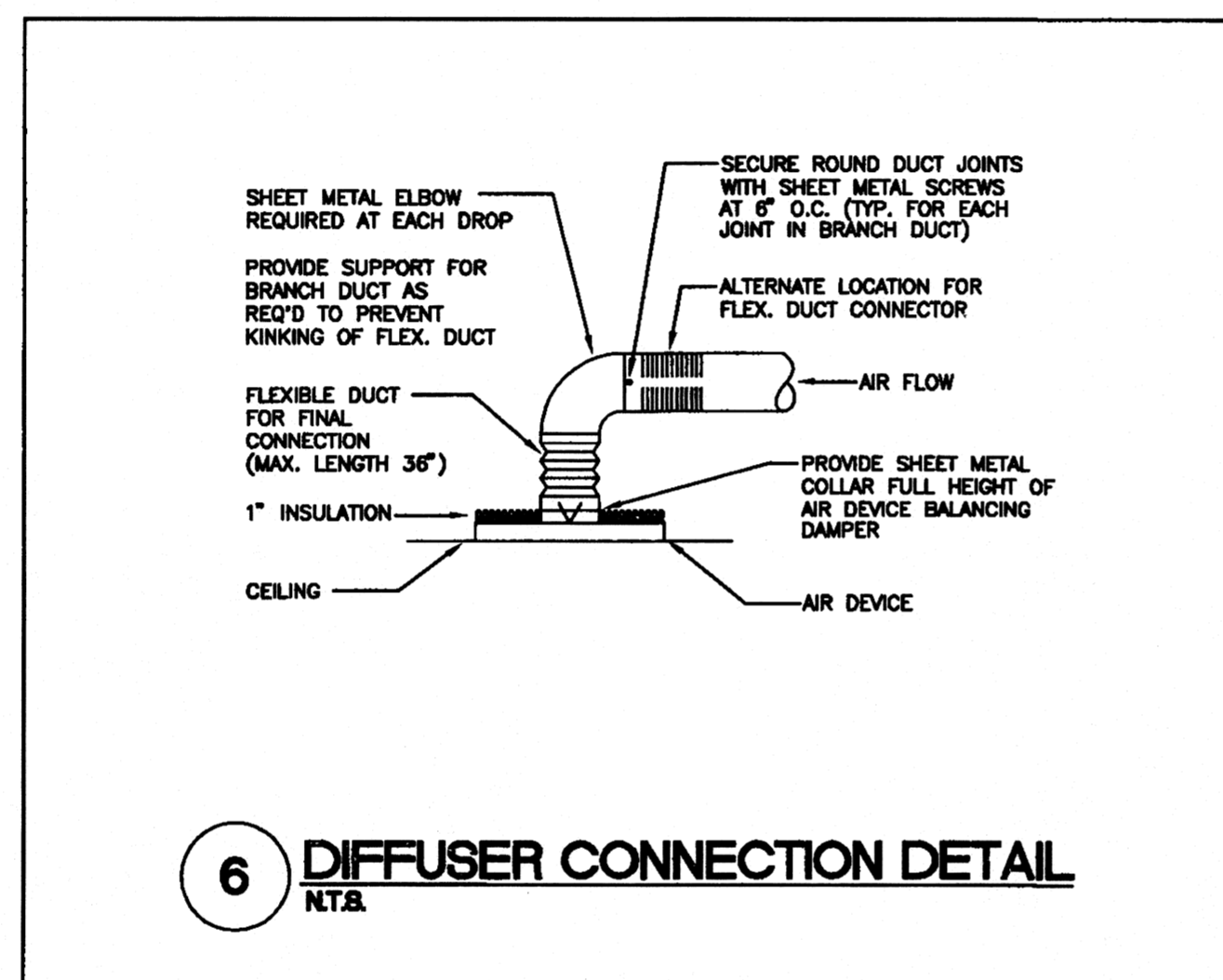
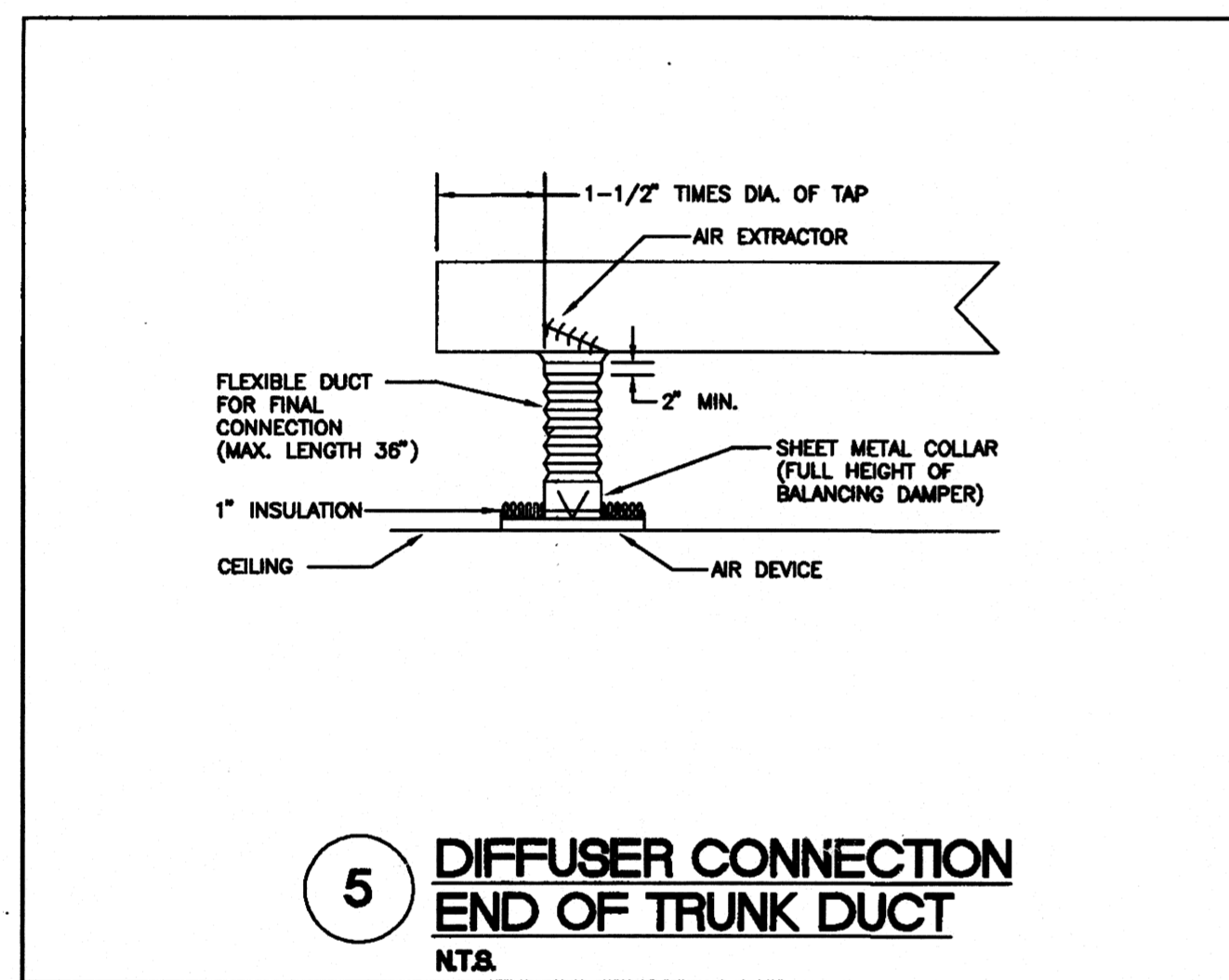
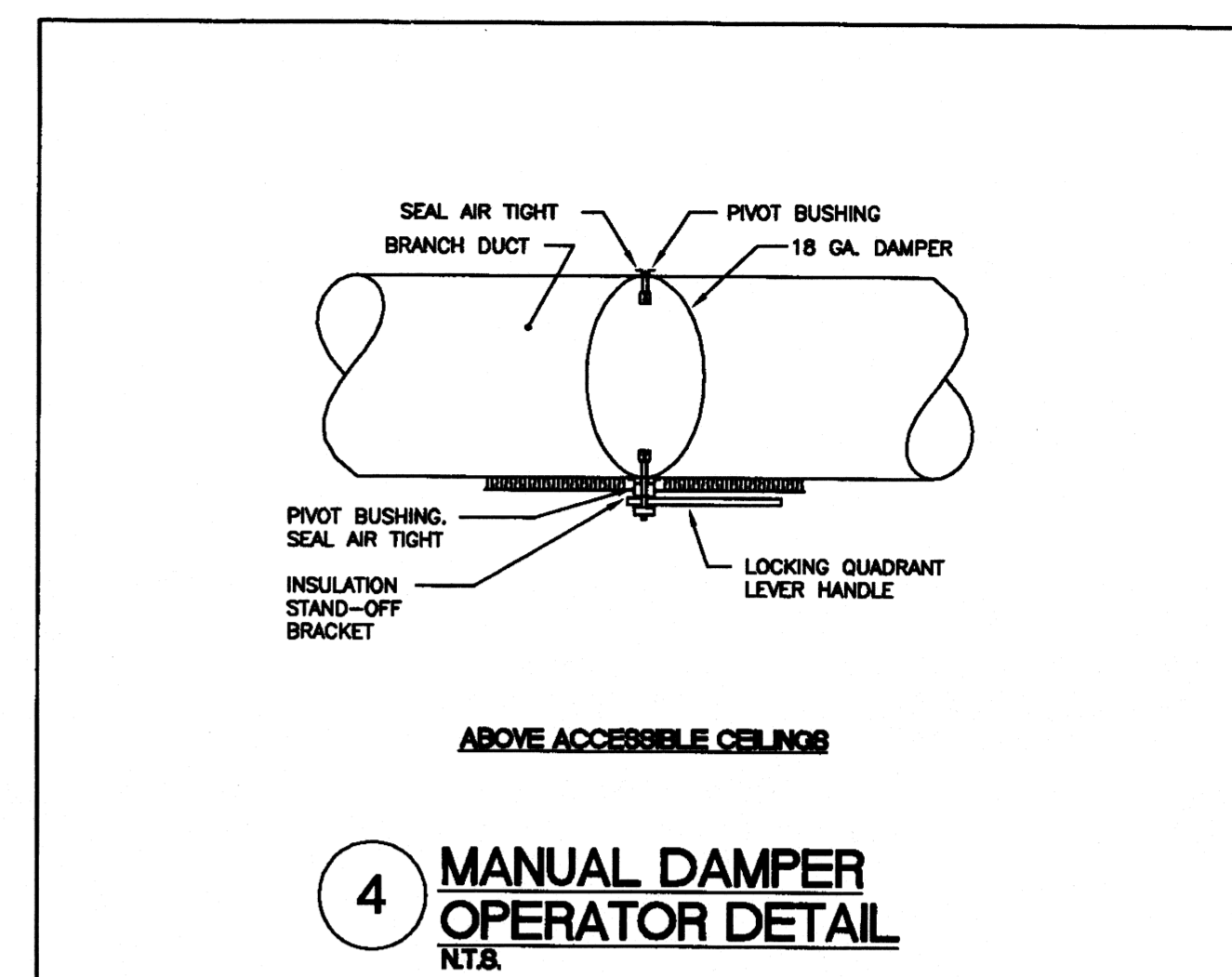
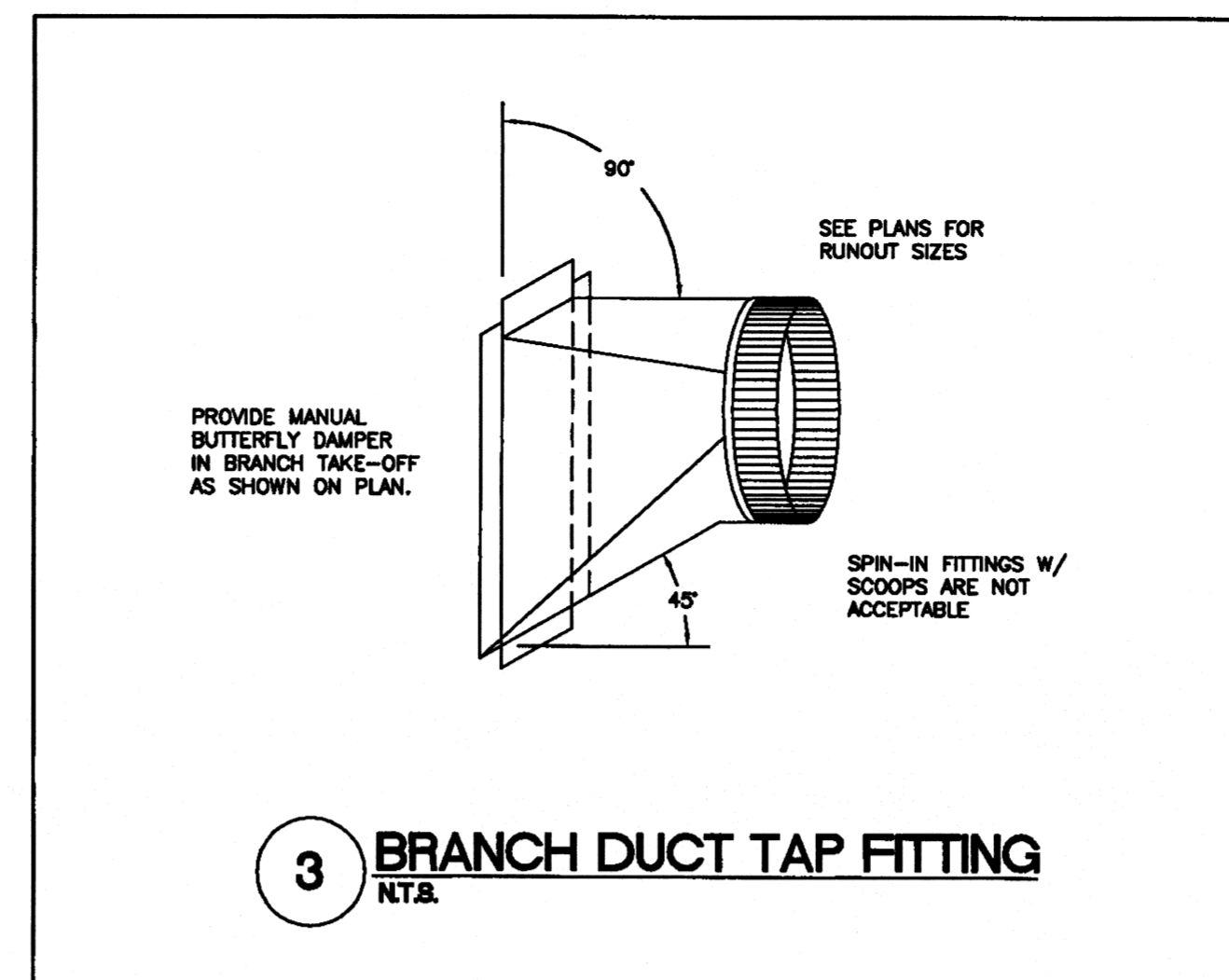
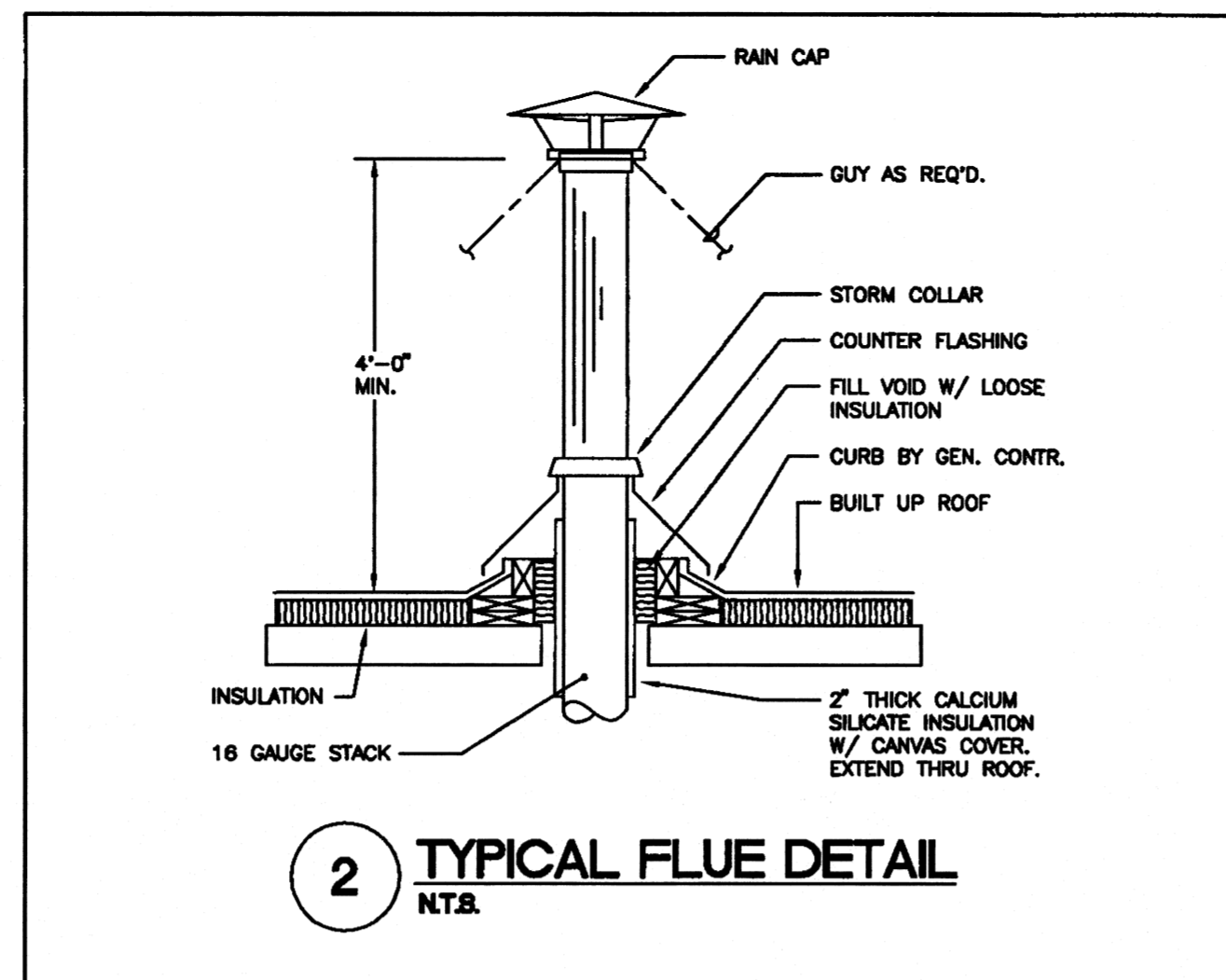
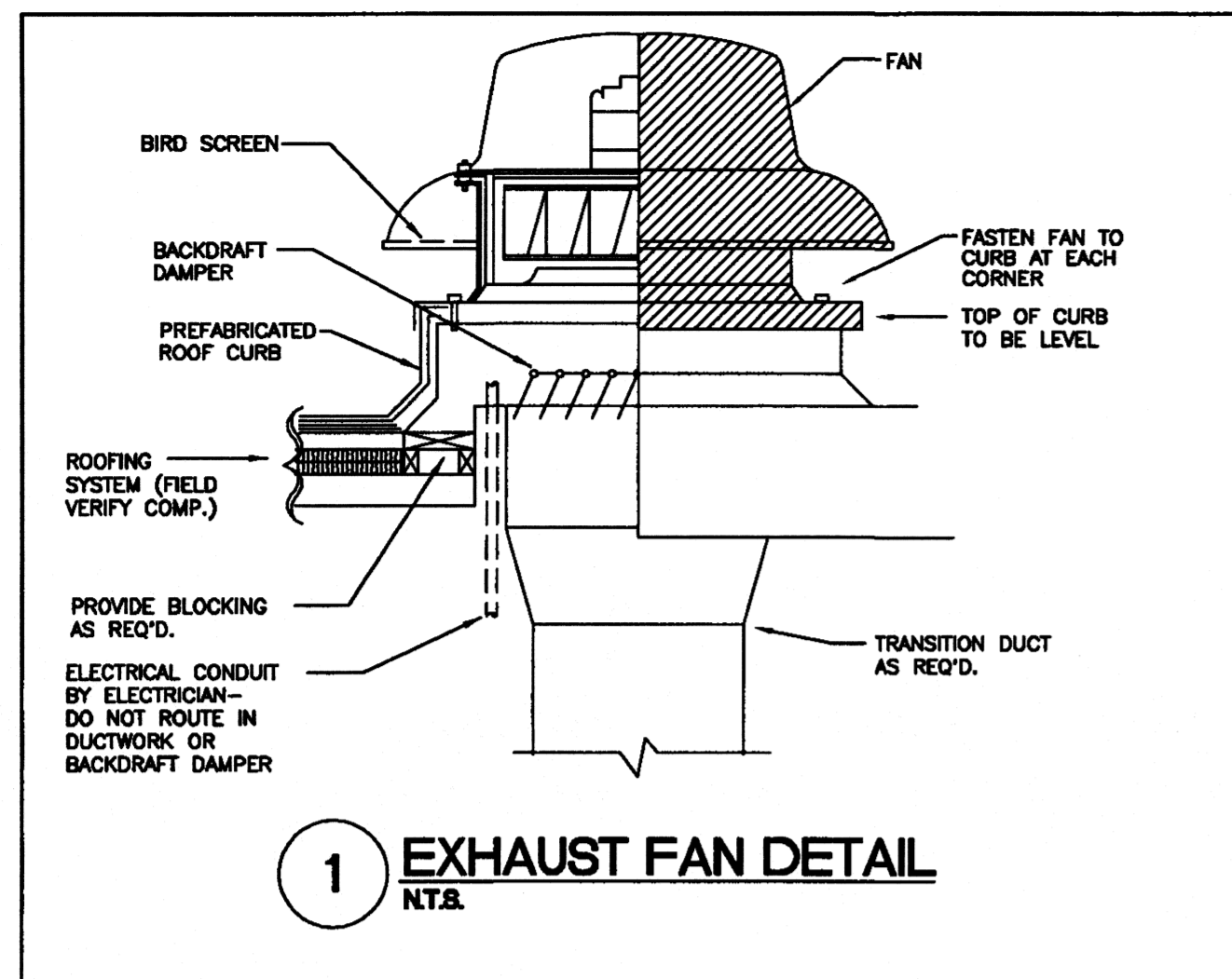
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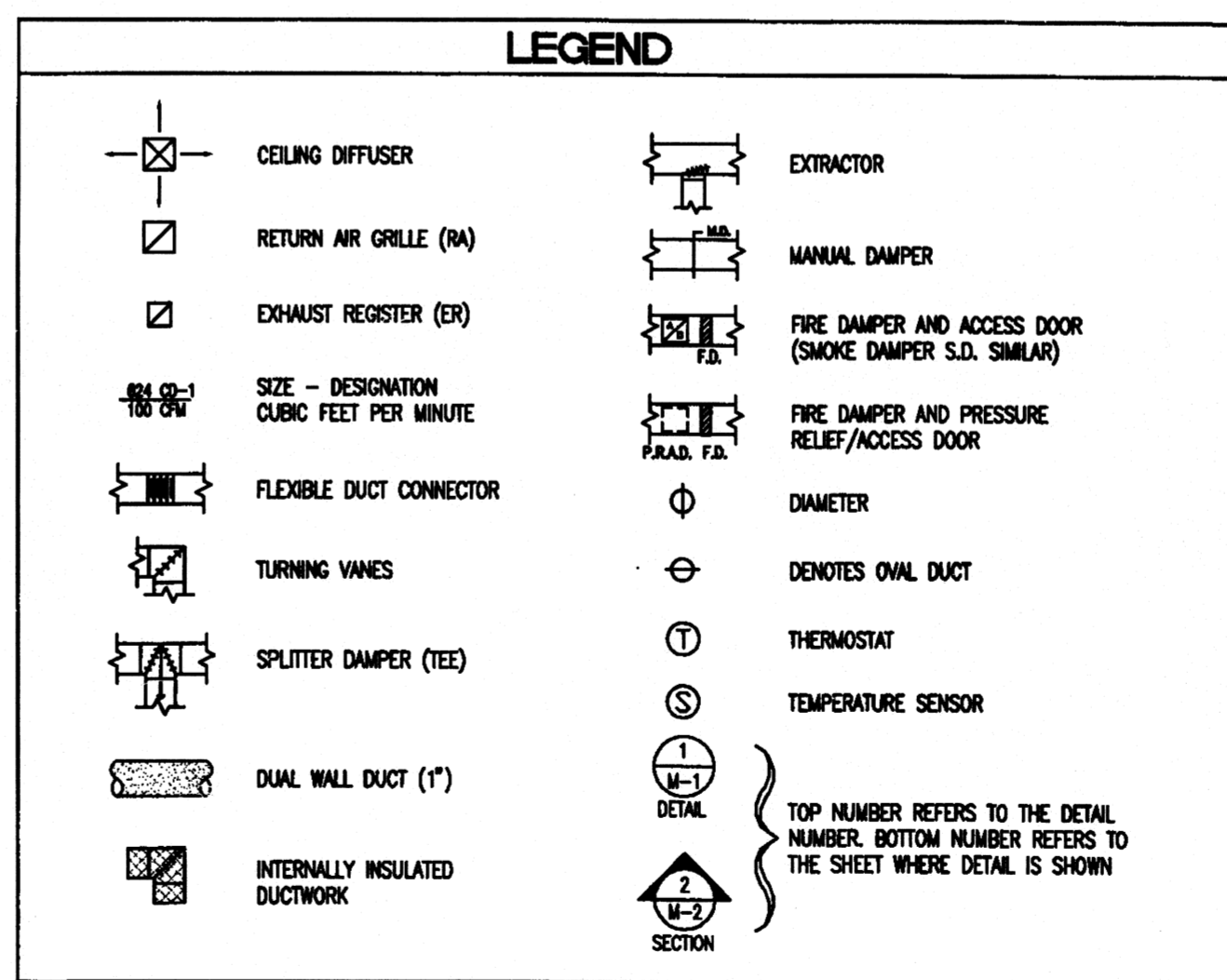
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2	5-25-2000	

Drawing No.
M301

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- GENERAL NOTES**
- DUE TO THE SMALL SCALE OF THIS DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.
 - THIS FACILITY IS LOCATED IN SEISMIC ZONE 1 AS DESCRIBED IN THE STANDARD BUILDING CODE. ALL PIPING, DUCTWORK, AND EQUIPMENT SHALL BE ISOLATED AND/OR RESTRAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS ZONE.
 - DUCT SIZES INDICATED ON PLANS ARE ACTUAL SHEET METAL SIZES AND DO ALLOW FOR INTERNAL INSULATION OF RECTANGULAR DUCT, IF APPLICABLE.
 - ROUND BRANCH DUCT RUNOUTS SHALL BE SAME SIZE AS DIFFUSER THROAT UNLESS OTHERWISE NOTED.
 - MOUNT ALL THERMOSTATS AT 54" ABOVE FINISHED FLOOR.
 - FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTIONS TO DIFFUSERS. A MAXIMUM LENGTH OF THREE FEET (3') SHALL BE USED.
 - ALL CEILING-MOUNTED SUPPLY DIFFUSERS SHALL HAVE FOUR-WAY (4-WAY) PATTERN UNLESS OTHERWISE INDICATED.
 - WHERE SPLITTER DAMPERS ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS, PROVIDE EXTENDED CONTROL ROD AND REGULATOR AS SPECIFIED.
 - WHERE MANUAL DAMPERS ARE INSTALLED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE STAND-OFF BRACKET TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR HANDLE.
 - PROVIDE TURNING VANES IN ALL 90-DEGREE ELBOWS.
 - PROVIDE SLEEVES THROUGH WALLS AND FLOORS. SEAL EXCESS OPENING WITH WATER-PROOF SEALANT. COORDINATE LOCATIONS AND SIZES OF SLEEVES WITH GENERAL CONTRACTOR. SLEEVES SHALL PROVIDE A MAXIMUM OF 1" CLEARANCE BETWEEN DUCT OR PIPE AND SLEEVE. SEAL PENETRATION IN FIRE/SMOKE RATED WALLS AND FLOOR WITH AN APPROVED FIRE/SMOKE BLOCK SEALANT.
 - EXTERNALLY INSULATE SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK UNLESS NOTED OTHERWISE.
 - EXHAUST DUCTWORK SHALL BE UN-INSULATED, UNLESS NOTED OTHERWISE.
 - EXTERNALLY INSULATE LOW-VELOCITY ROUND RUNOUT DUCTWORK.
 - EXTERNALLY INSULATE HIGH-VELOCITY, SINGLE-WALL ROUND AND OVAL DUCTWORK.
 - INSULATE THE TOP OF ALL SUPPLY AIR DIFFUSERS WITH A MINIMUM OF 1/2" THICK FIBERGLASS DUCT WRAP.
 - INSULATE ALL PIPING, DUCTS, AND EQUIPMENT, WHETHER INDICATED OR NOT, WHICH ARE SUBJECT TO FREEZING OR CONDENSATION FORMATION.
 - RUN COOLING COIL CONDENSATE DRAINS FULL SIZE TO NEAREST FLOOR OR ROOF DRAIN.
 - ARRANGE PIPING TO ALLOW FOR PROPER SERVICE & ACCESS TO EQUIPMENT. INSTALL UNIONS AND ISOLATION VALVES TO ALLOW FOR REMOVAL OF EQUIPMENT WITHOUT DISTURBING MAINS.
 - PROVIDE ADDITIONAL DRAIN VALVES AND AIR VENTS AS REQUIRED TO PROPERLY DRAIN AND VENT ENTIRE PIPING SYSTEM.
 - PROVIDE WELLS FOR TEMPERATURE SENSORS FURNISHED WITH EQUIPMENT OR AS REQUIRED FOR TEMPERATURE CONTROL SYSTEM. COORDINATE REQUIREMENTS WITH CONTROLS CONTRACTOR.
 - PROVIDE REDUCERS AS REQUIRED. VERIFY SIZES WITH APPROVED EQUIPMENT SHOP DRAWINGS.
 - INSTALL PIPE GUIDES ON ALL PIPING WITH EXPANSION JOINTS AT DISTANCE RECOMMENDED BY EXPANSION JOINT MANUFACTURER.
 - REFER TO PLUMBING PLANS FOR LOCATION OF DRAINS.
 - REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE AND SMOKE RATED PARTITIONS.
 - COORDINATE LOCATION OF DUCTS AND DIFFUSERS WITH STRUCTURAL FRAMING MEMBERS. OFFSET DUCTS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS.
 - COORDINATE LOCATIONS AND ELEVATION OF DUCT RUNS WITH PLUMBING, SPRINKLER, AND ELECTRICAL CONTRACTORS.
 - COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
 - COORDINATE MAKE-UP WATER AND GAS REQUIREMENTS WITH PLUMBING CONTRACTOR.



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Drawing No.
M302

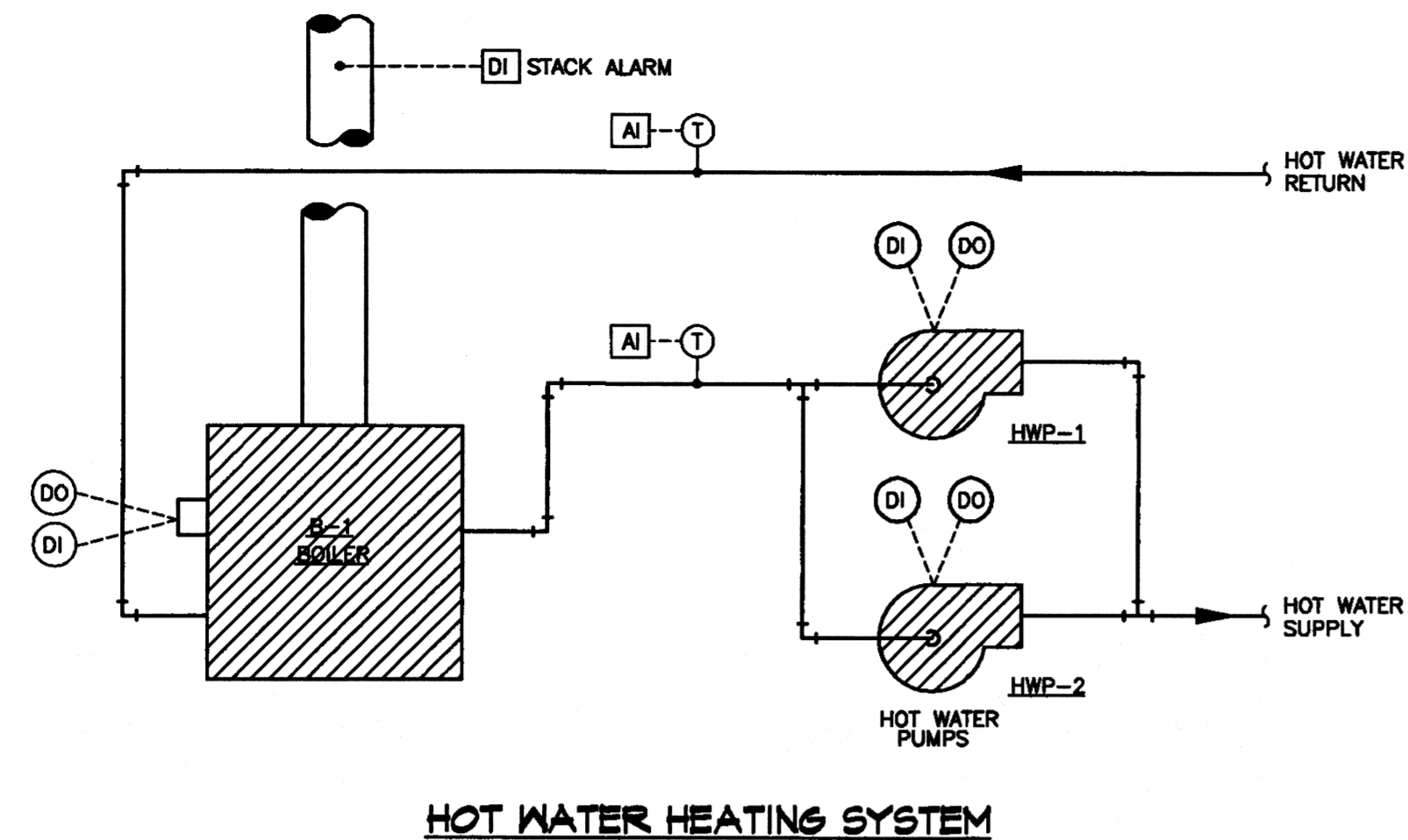
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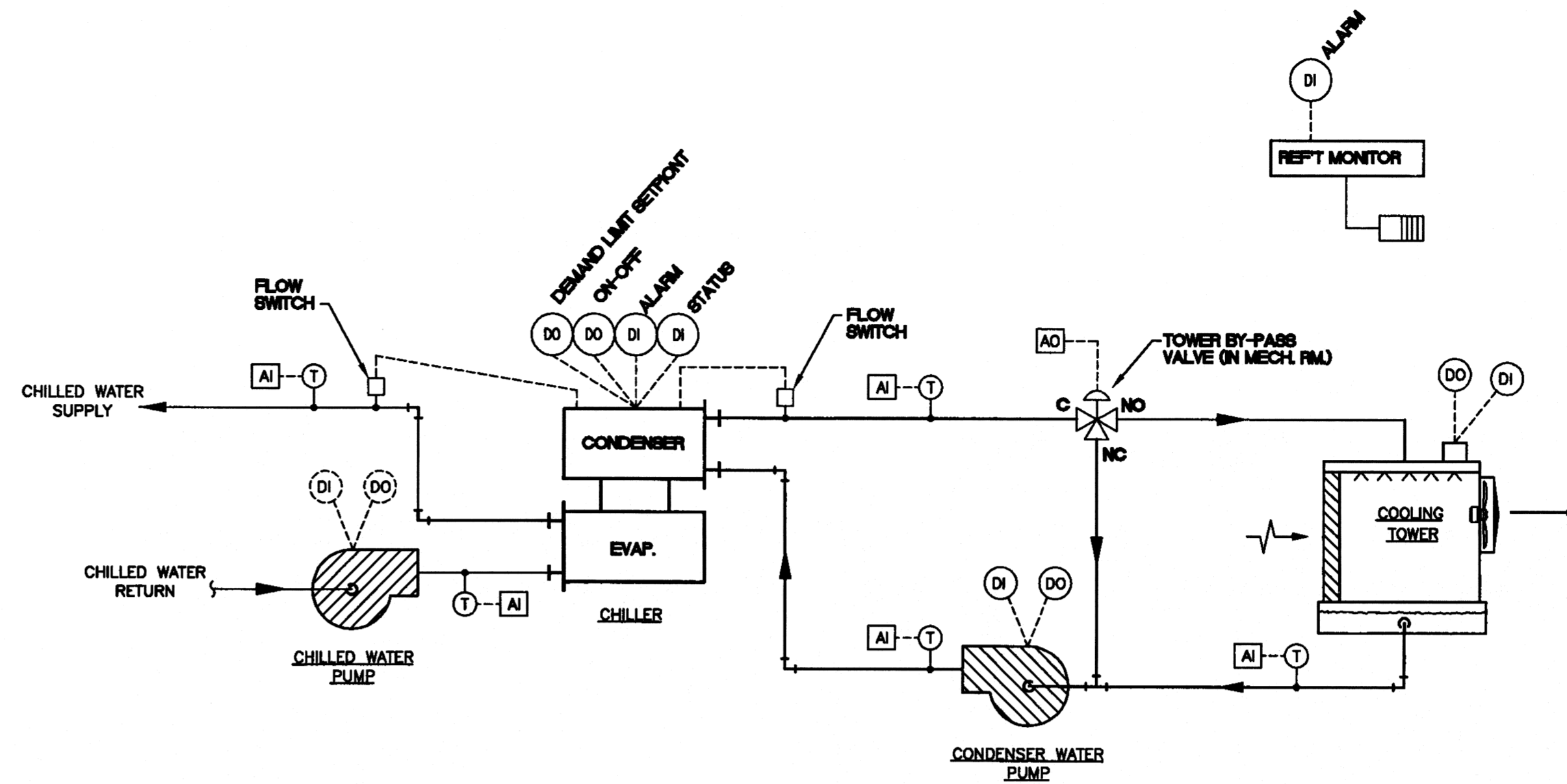
HOT WATER HEATING SYSTEM

SEQUENCE:

BOILER SHALL OPERATE WHENEVER ANY BLOWER COIL UNIT CONTROLLER CALLS FOR HEAT.
HOT WATER PUMPS SHALL OPERATE DUTY/STAND-BY AND ALTERNATE TO EQUALIZE RUN TIME.
BOILER CONTROL SYSTEM:
BOILER BURNER SHALL MODULATE AS REQ'D. TO MAINTAIN SETPOINT.

OUTSIDE AIR	HOT WATER SUPPLY
30°F	180°F
60°F	120°F

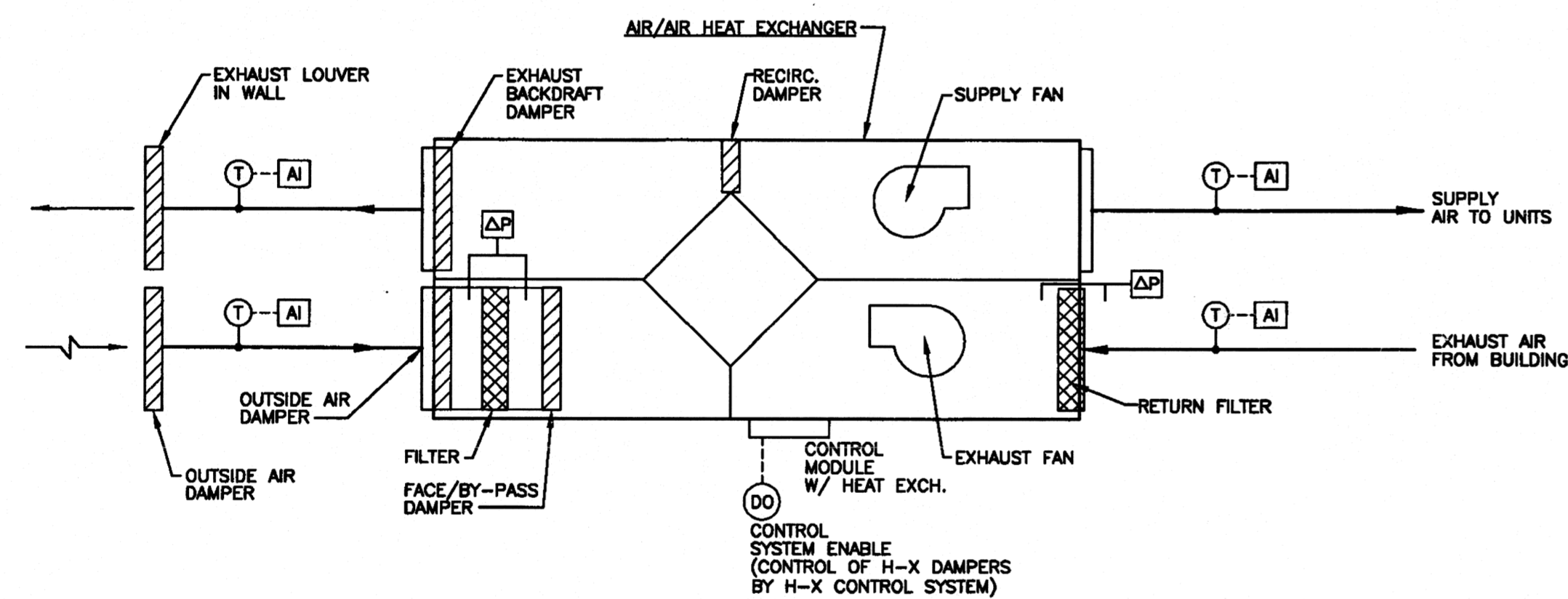
UPON ACTIVATION OF REFRIGERANT ALARM, BOILER WILL BE DISABLED.
STACK HIGH TEMP. ALARM SHALL DISABLE BOILER AND SHALL ALARM AT CAMPUS SECURITY OFFICE.



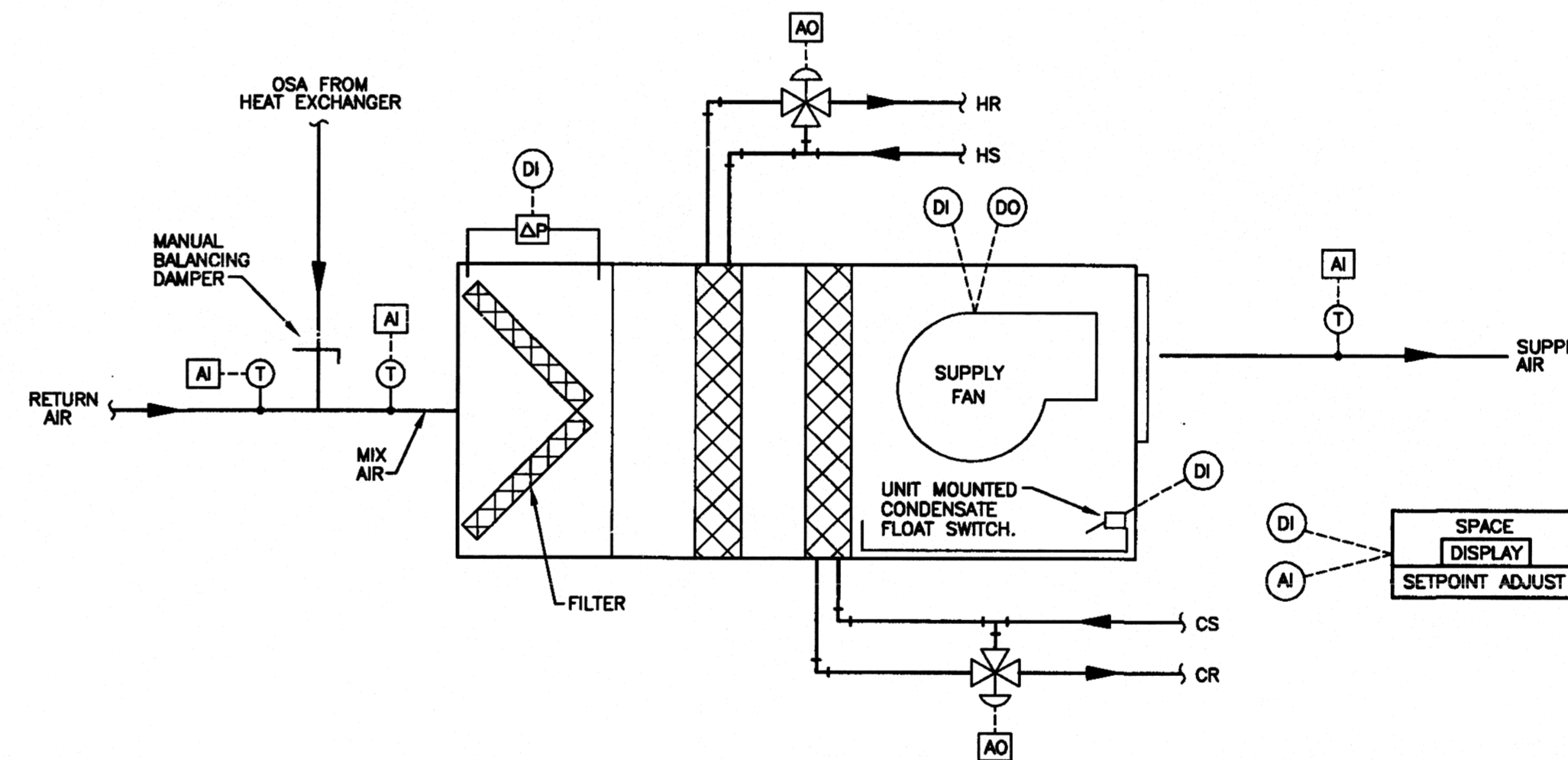
CHILLED WATER SYSTEM

SEQUENCE

THE CHILLED WATER PUMP SHALL BE STARTED AND STOPPED ON CALL FROM COOLING BY ANY BLOWER COIL UNIT CONTROLLER. THE CHILLER AND CONDENSING WATER PUMP SHALL BE INTERLOCKED TO RUN WHEN CHILLED WATER PUMP IS ON. COOLING TOWER FAN AND COOLING TOWER BY-PASS SHALL BE MODULATED IN SEQUENCE TO MAINTAIN SETPOINT. UPON REFRIGERANT MONITOR ALARM, ACTIVATE EF-2. INDICATE ALARM AT FRONT END COMPUTER.



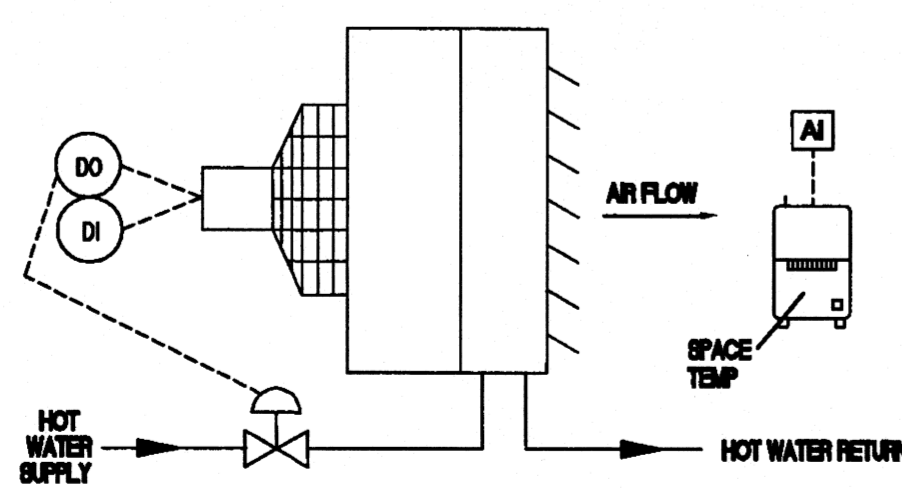
HEAT EXCHANGER



BLOWER COIL UNITS

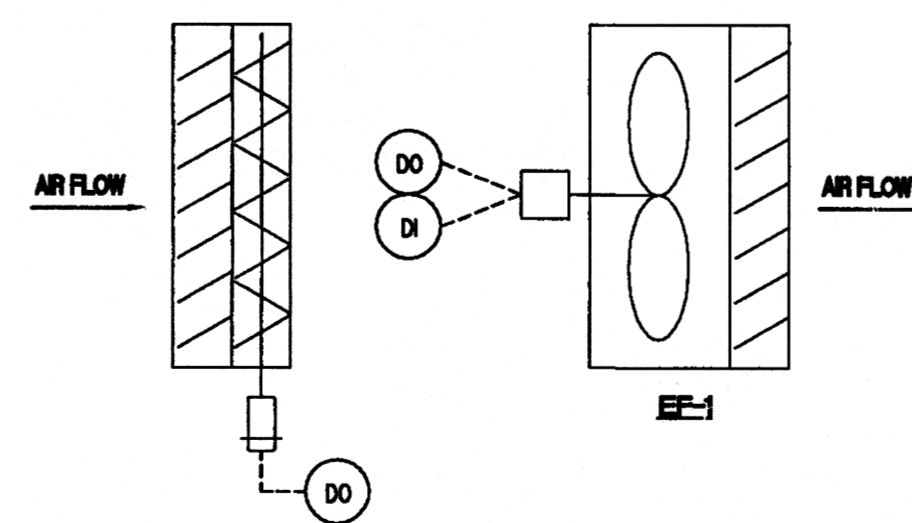
SEQUENCE

SPACE THERMOSTAT SHALL SEQUENCE HEATING AND COOLING VALVES TO MAINTAIN SETPOINT. CHILLED WATER SHALL OPERATE TWO POSITION AND HEATING VALVE SHALL MODULATE. DURING OCCUPIED HOURS THERMOSTAT SHALL MAINTAIN HEATING/COOLING SETPOINT. DURING UNOCCUPIED HOURS UNIT SHALL MAINTAIN SUMMER/WINTER SETPOINTS. FAN SHALL OPERATE CONTINUOUS IN OCCUPIED MODE AND CYCLE AS REQ'D IN UNOCCUPIED MODE. CONDENSATE OVERFLOW SWITCH SHALL ALARM CONTROL SYSTEM SHOULD CONDENSATE PAN BEG TO OVER FLOW. CONTROL SYSTEM TO INDICATE ALARM AT FRONT END AND CONTROL SYSTEM SHALL SHUT UNIT OFF.



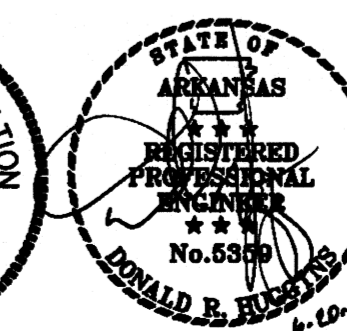
HOT WATER UNIT HEATER

SEQUENCE
UNIT HEATER THERMOSTAT SHALL CYCLE FAN 'ON' AND OPEN HOT WATER VALVE AS REQ'D TO MAINTAIN SETPOINT.



MECHANICAL ROOM VENTILATION

SEQUENCE
1 MECH ROOM TEMP SENSOR SHALL START EXHAUST FAN EF-2 WHEN TEMPERATURE EXCEEDS SETPOINT. REFRIGERANT MONITOR SHALL OVERRIDE FAN 'ON' UPON ALARM.



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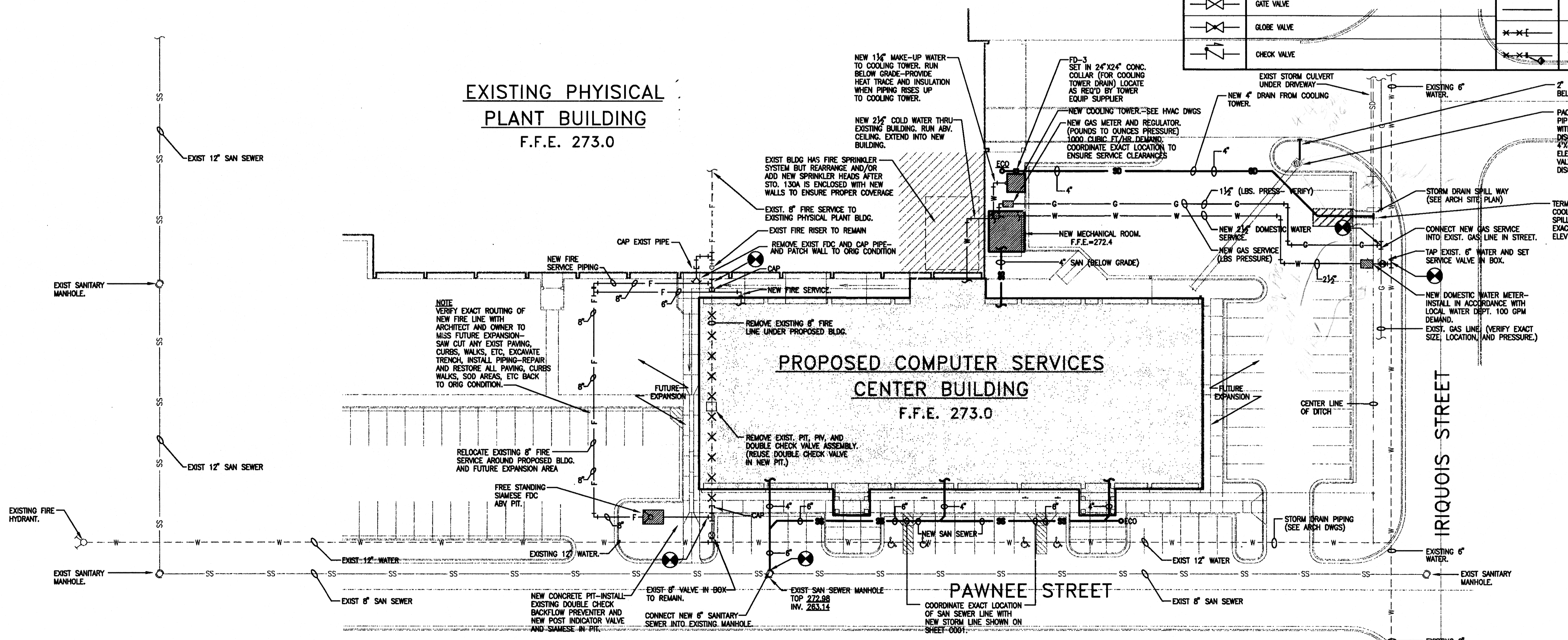
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Rev. No.	Rev. Date	Revision Date

Drawing No. **M501**

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PLUMBING LEGEND

SYMBOL	DESCRIPTION	
	SOIL, WASTE, OR SANITARY SEWER	
	SANITARY SEWER (ON SITE)	
	SANITARY VENT	
	GREASE WASTE	
	COMBINATION WASTE AND VENT	
	ACID WASTE	
	ACID VENT	
	WATER (ON SITE)	
	COLD WATER	
	HOT WATER	
	HOT WATER RETURN	
	TEMPERED WATER (105°F)	
	STORM DRAIN	
	INDIRECT DRAIN	
	OVERFLOW STORM DRAIN	
	SUMP PUMP DISCHARGE	
	NATURAL GAS (LOW PRESSURE GAS)	
	NATURAL GAS (MEDIUM PRESSURE GAS)	
	FLOW DIRECTION	
	GATE VALVE	
	GLOBE VALVE	
	CHECK VALVE	



ARKANSAS STATE LAW REQUIRES THAT THE EXCAVATOR IS TO LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE ARKANSAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE EXCAVATOR MAKE A TELEPHONE CALL TO THE ARKANSAS ONE-CALL SYSTEM AT 1-800-482-8998 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING TO ENSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.

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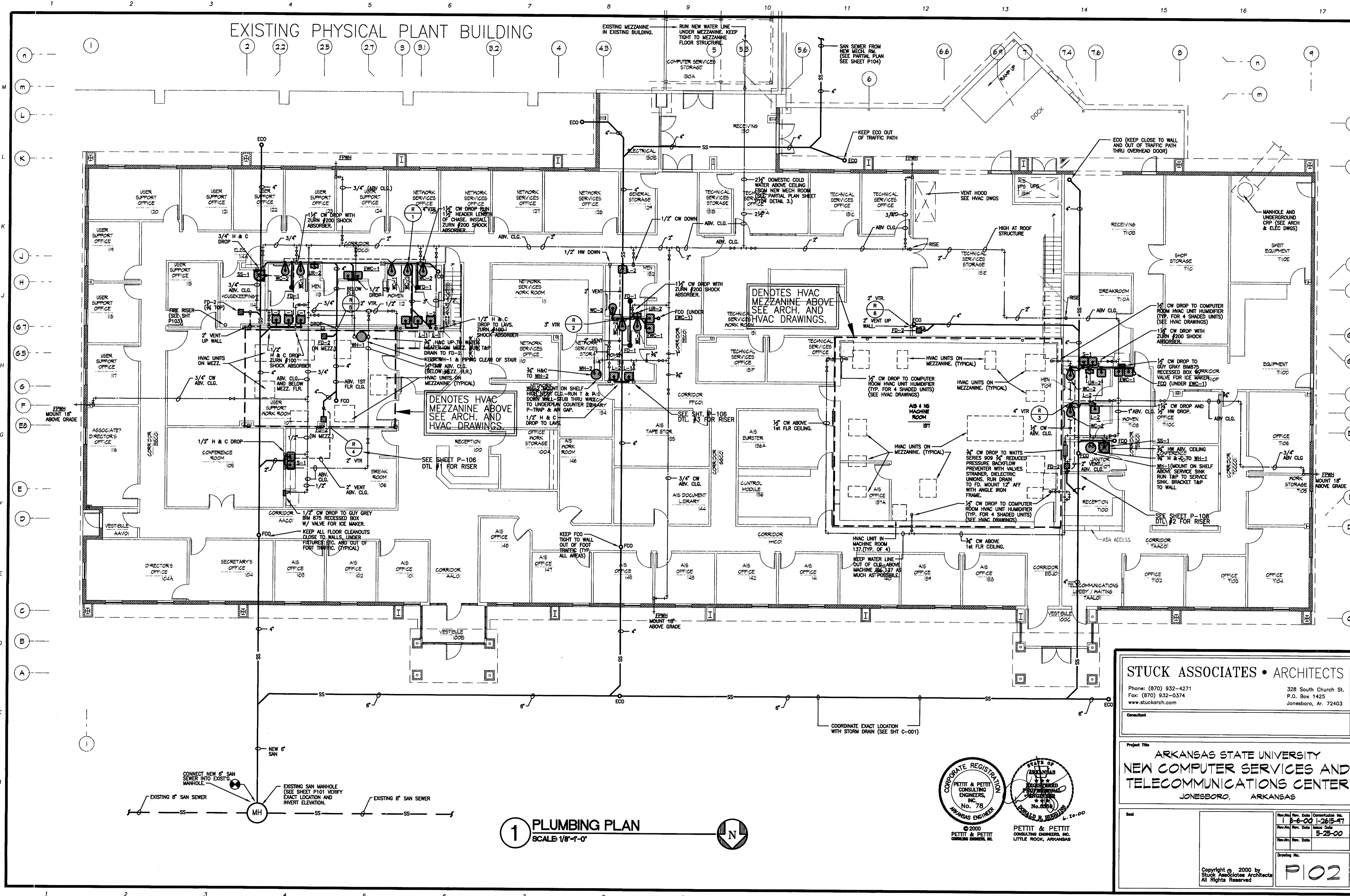
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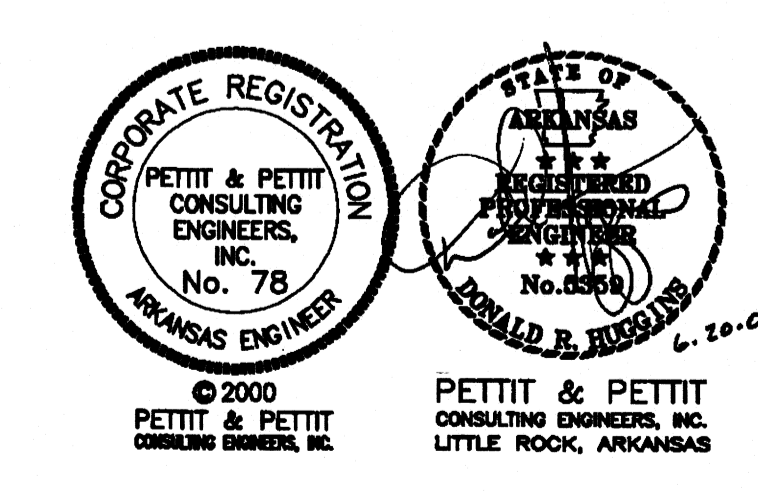
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EXISTING PHYSICAL PLANT BUILDING



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



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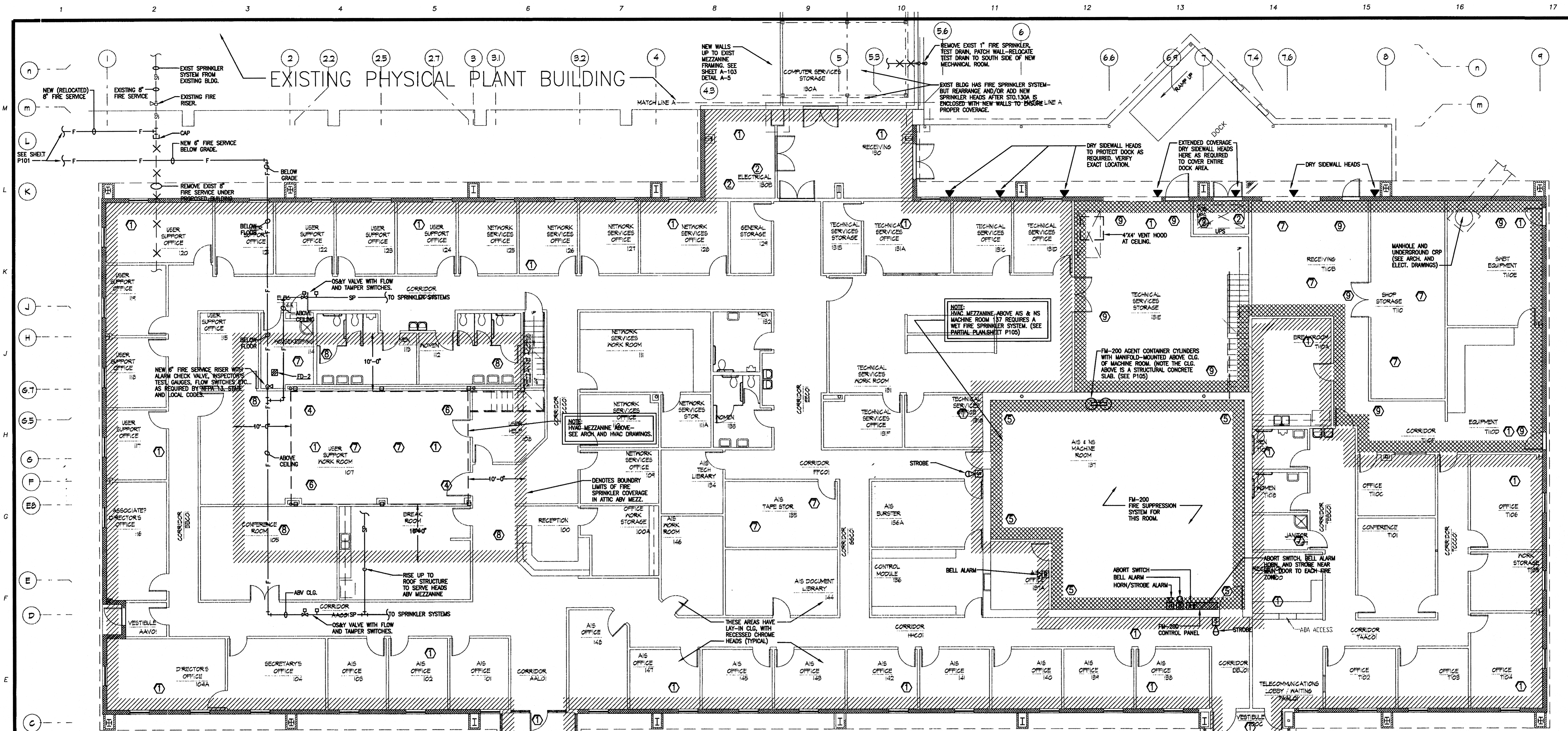
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 2 5-25-00

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P102

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AUTO FIRE SPRINKLER LEGEND:

- SINGLE CROSS-HATCHING DENOTES BOUNDARIES OF AREAS THAT REQUIRE AUTOMATIC FIRE SPRINKLER SYSTEM.
- DENOTES AREAS THAT DO NOT REQUIRE FIRE SPRINKLERS
- DOUBLE CROSS-HATCHING DENOTES BOUNDARIES OF AREAS THAT REQUIRED AUTOMATIC FIRE SPRINKLER OR SUPPRESSION SYSTEM, BUT WITH NOTED EXCEPTION, AND/OR, ADDITION.

FIRE PROTECTION KEYED NOTES:

- 1 THE ENTIRE BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC WET TYPE FIRE SPRINKLER SYSTEM. (EXCEPT AIS & NS MACHINE RM WHICH REQUIRES A FM-200 FIRE SUPPRESSION SYSTEM.) SINGLE CROSS-HATCHING DENOTES BOUNDARIES OF STANDARD WET SYSTEM. ALL AREAS ARE LIGHT HAZARD OCCUPANCIES UNLESS NOTED OTHERWISE. SEE GENERAL FIRE PROTECTION NOTES AND OTHER KEYED NOTES FOR SPECIAL AREA REQUIREMENTS.
- 2 FIRE SPRINKLER HEADS AROUND ELECTRICAL PANELS (SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATIONS) SHALL HAVE DEFLECTOR SHIELDS TO AVOID DIRECT WATER SPRAY ON EQUIPMENT.
- 3 PROVIDE SPRINKLER HEADS AT TOP AND BOTTOM FLOORS OF ALL LARGE MECHANICAL CHASES (AS REQUIRED BY CODE)
- 4 IN MECHANICAL AND ELECTRICAL ROOMS (ESPECIALLY ROOMS WITHOUT CEILINGS) COORDINATE CAREFULLY THE EXACT LOCATIONS OF HEADS. REVIEW MECHANICAL AND ELECTRICAL DRAWINGS TO ENSURE THAT HEADS ARE NOT INSTALLED DIRECTLY ABOVE DUCTWORK, EQUIPMENT, ETC.
- 5 THIS AREA REQUIRES A FM-200 FIRE SUPPRESSION SYSTEM. OPEN GRID CEILING IS AT 9'-6", BUT DECK IS AT 12'-0" (APPROX) FR FM-200 AGENT VOLUME CALCULATIONS. INSTALL NOZZLES AT CEILING AREA ONLY. THE AGENT CONTAINER TO BE LOCATED IN MECHANICAL MEZZANINE ABOVE.
- 6 HVAC MEZZANINE REQUIRES WET SPRINKLER SYSTEM.
- 7 THESE AREAS ARE ORDINARY HAZARD (GROUP 1) OCCUPANCIES.
- 8 SPRINKLER HEADS ABOVE MEZZANINE SHALL BE UPRIGHT BRASS HEADS ATTACHED AT BLDG ROOF STRUCTURE. PROVIDE SPRINKLER COVERAGE 10'-0" BEYOND EDGES OF MEZZANINE FLOOR.
- 9 THESE AREAS OPEN TO STRUCTURE (WITHOUT CEILINGS) INSTALL EXPOSED SPK PIPING WITH BRASS UPRIGHT HEADS.

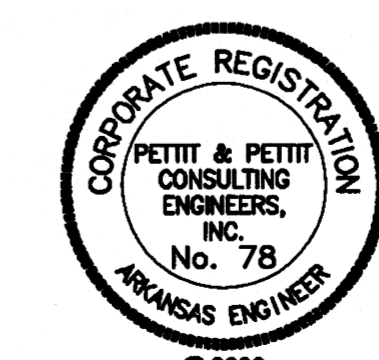
1 FIRE PROTECTION PLAN
SCALE: 1/8"=1'-0"



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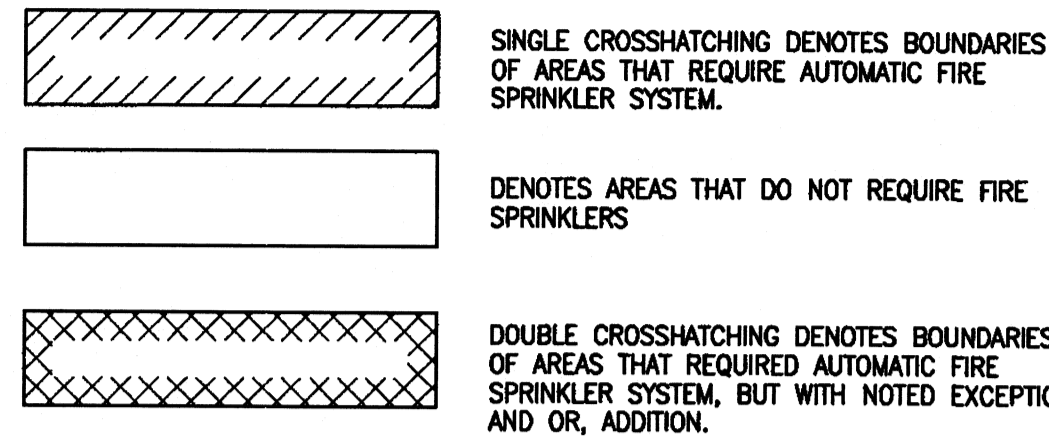


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AUTO FIRE SPRINKLER LEGEND:



FIRE PROTECTION KEYED NOTES:

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- FIRE SPRINKLER HEADS AROUND ELECTRICAL PANELS (SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATIONS) SHALL HAVE DEFLECTOR SHIELDS TO AVOID DIRECT WATER SPRAY ON EQUIPMENT.
- PROVIDE SPRINKLER HEADS AT TOP AND BOTTOM FLOORS OF ALL LARGE MECHANICAL CHASES (AS REQUIRED BY CODE)
- IN MECHANICAL AND ELECTRICAL ROOMS (ESPECIALLY ROOMS WITHOUT CEILINGS) COORDINATE CAREFULLY THE EXACT LOCATIONS OF HEADS. REVIEW MECHANICAL AND ELECTRICAL DRAWINGS TO ENSURE THAT HEADS ARE NOT INSTALLED DIRECTLY ABOVE DUCTWORK, EQUIPMENT, ETC.
- THIS AREA REQUIRES A FM-200 FIRE SUPPRESSION SYSTEM. CEILING IS 10'-0" INSTALL NOZZLES AT CEILING ONLY AGENT CONTAINER TO BE LOCATED IN MECHANICAL MEZZANINE ABOVE.
- HVAC MEZZANINE REQUIRES WET SPRINKLER SYSTEM.
- THESE AREAS ARE ORDINARY HAZARD (GROUP 1) OCCUPANCIES.
- SPRINKLER HEADS ABOVE MEZZANINE SHALL BE UPRIGHT BRASS HEADS ATTACHED AT BUILDING ROOF STRUCTURE. PROVIDE SPRINKLER COVERAGE 10'0" BEYOND EDGES OF MEZZANINE FLOOR.
- THESE AREAS OPEN TO STRUCTURE (WITHOUT CEILINGS) INSTALL EXPOSED SPK PIPING WITH BRASS UPRIGHT HEADS

FIRE PROTECTION GENERAL NOTES:

- THE BUILDING SHALL BE COMPLETELY SPRINKLED. SEE HVAC AND ELECTRICAL DRAWINGS FOR GRILLES, LIGHTS, ETC. AND COORDINATE SPRINKLER HEAD LOCATION AS REQUIRED. THESE SYSTEMS SHALL BE HYDRAULICALLY DESIGNED TO MEET NFPA 13, STATE AND LOCAL CODES. IN FINISHED AREAS LOCATE SPRINKLER HEADS SYMMETRICALLY IN ROOMS AND SPACES AS FAR AS PRACTICAL.
- PROVIDE SPRINKLER HEADS AT TOP AND BOTTOM FLOORS OF ALL LARGE MECHANICAL CHASES (AS REQUIRED BY CODE).
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FIRE EXTINGUISHER CABINETS, ETC.
- COORDINATE FIRE SPRINKLER ZONING WITH ELECTRICAL DRAWINGS AND FIRE ALARM SYSTEM.
- ALL VALVES MUST BE ACCESSIBLE, IF INSTALLED ABOVE A FIXED CEILING, ACCESS DOORS SHALL BE INSTALLED.
- ALL 2 1/2" FIRE DEPARTMENT VALVES SHALL HAVE PRESSURE REDUCING DEVICES TO LIMIT PRESSURE TO THE CODE APPROVED 100 PSI.
- ALL SPRINKLER BRANCHES DOWNSTREAM OF AN ALARM SHALL HAVE A 1" MINIMUM TEST DRAIN LINE WITH EASILY ACCESSIBLE VALVE. DISCHARGE DRAIN TO AN APPROPRIATE LOCATION, THRU OUTSIDE WALL.
- ALL SPRINKLER PIPING SHALL SLOPE TO LOW POINTS WITH VALVES FOR DRAINING.

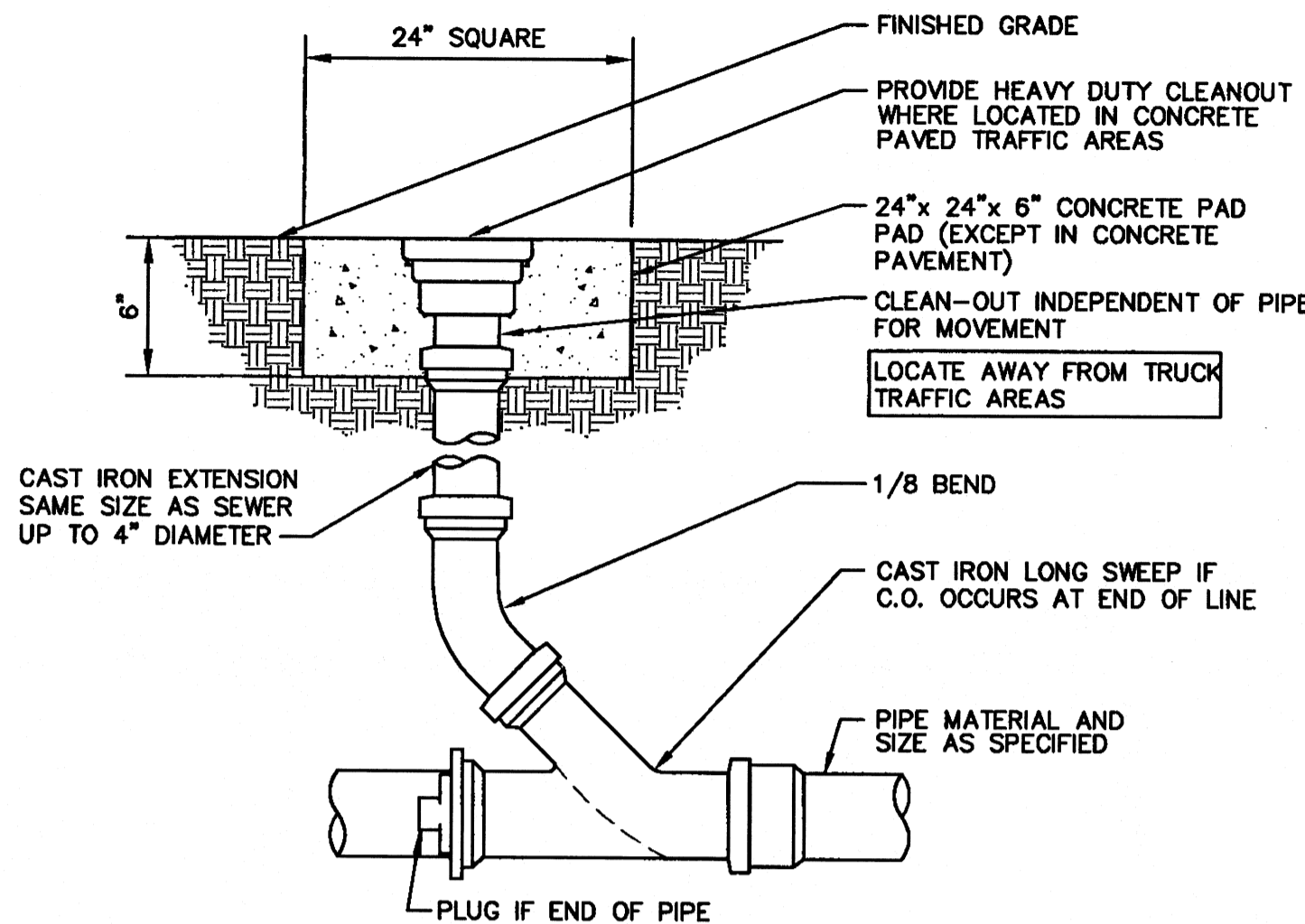
PLUMBING GENERAL NOTES

- HOT AND COLD WATER SUPPLIES TO FIXTURES SHALL BE AS FOLLOWS, UNLESS SHOWN OR NOTED OTHERWISE:

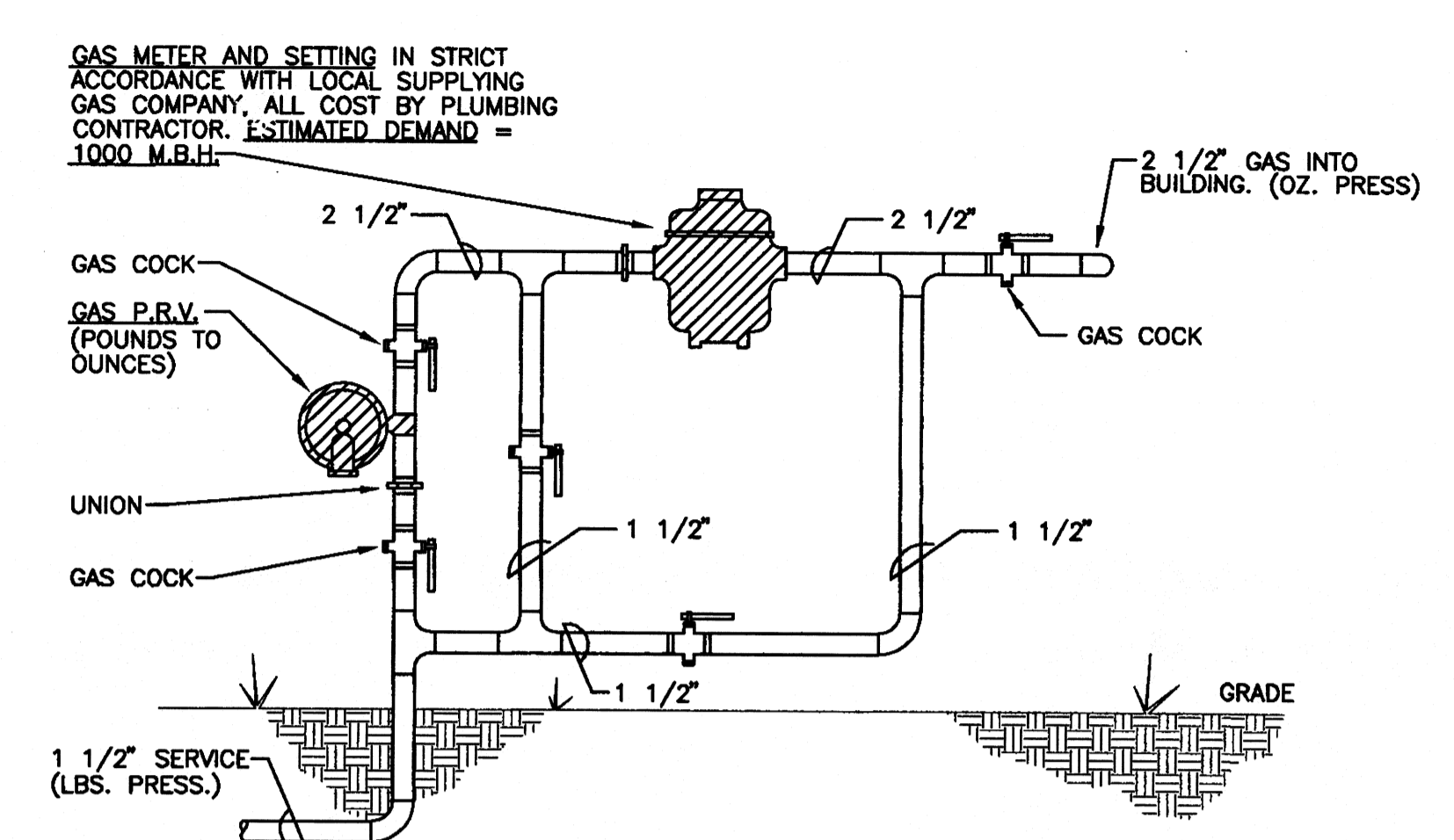
WATER CLOSET	1-1/4"
URINAL	1/2"
LAVATORY	1/2"
SERVICE SINK	3/4"
ELECTRIC WATER COOLER	3/4"
SINK	1/2"
FREEZE-PROOF WALL HYDRANT	3/4"
ICE MACHINE	1/2"
HOSE BIBB	3/4"
DISH WASHER	3/4"
MODERATE CLIMATE WALL HYDRANT	3/4"
- INSTALL WATER HAMMER ARRESTORS EQUAL TO ZURN "SHOKTROL" AT EA. QUICK CLOSING VALVE, AND AT EA. GROUP OF PLUMBING FIXTURES AS NOTED ON DWG'S. SIZED AS PER MANUFACTURERS RECOMMENDATIONS. AT INDIVIDUAL FIXTURES LIKE LAVS, DRINKING FOUNTAINS FFWH ETC AN AIR CHAMBER LINE SIZE X 1/8" HIGH MAY BE USED.
- ALL SUPPLIES TO FIXTURE SHALL BE PROVIDED WITH HIGH EAR COUPLING EQUAL TO MUELLER CO. No. C-100HE (1/2", 3/4" OR 1" SIZE) AT THE WALL (ANCHOR TO CROSS MEMBER SUPPORT) BEFORE PIPE ENTERS ROOM SPACE TO ASSURE NO PIPE MOVEMENT WITHIN WALL CAVITY.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TYPE TRAP WITH NOT LESS THAN FOUR INCH (4") WATER SEAL.
- ALL VENTS THROUGH ROOF SHALL BE PROVIDED WITH 6 LB. LEAD FLASHING OR FLASHING AND COUNTER FLASHING COMPATIBLE WITH ROOF SYSTEM.
- PROVIDE GAS COCK, DIRT LEG, AND UNION AT ALL FINAL CONNECTIONS TO EQUIPMENT.
- FLUSH VALVES SHALL BE MOUNTED SUCH THAT THE DIMENSION FROM FLUSH VALVE CENTERLINE TO FINISHED FLOOR SHALL BE 36" WHERE HANDICAPPED GRAB BARS ARE INSTALLED ON BACK WALL AT CLOSET, FLUSH VALVE SHALL BE MOUNTED AT STANDARD HEIGHT. SEE SPECIFICATIONS AND WATER CLOSET DETAIL.
- WHERE THIS SYMBOL OCCURS ON THE DRAWINGS, REFERENCE SHOULD BE MADE TO THE KEYED NOTES ON THAT SAME SHEET AND THE CORRESPONDING NUMBER OF THAT NOTE.
- IN ALL AREAS SUBJECT TO FREEZING, WATER PIPING SHALL BE INSTALLED ON THE THERMAL SIDE OF THE INSULATION.
- CLOSE COORDINATION AND COOPERATION SHALL BE MAINTAINED BETWEEN TRADES WITH REGARD TO PLUMBING, HVAC, FIRE PROTECTION AND ELECTRICAL PLANS.
- THE CONTRACTOR SHALL, PRIOR TO THE START OF ANY WORK UNDER THIS CONTRACT, JOB SITE VERIFY SIZE, ELEVATION, LOCATION, AND ETC. OF ANY EXISTING PIPING NOTED, SHOWN, OR IMPLIED, TO WHICH NEW PIPING IS RELATED OR CONNECTED.

FIRE PROTECTION LEGEND

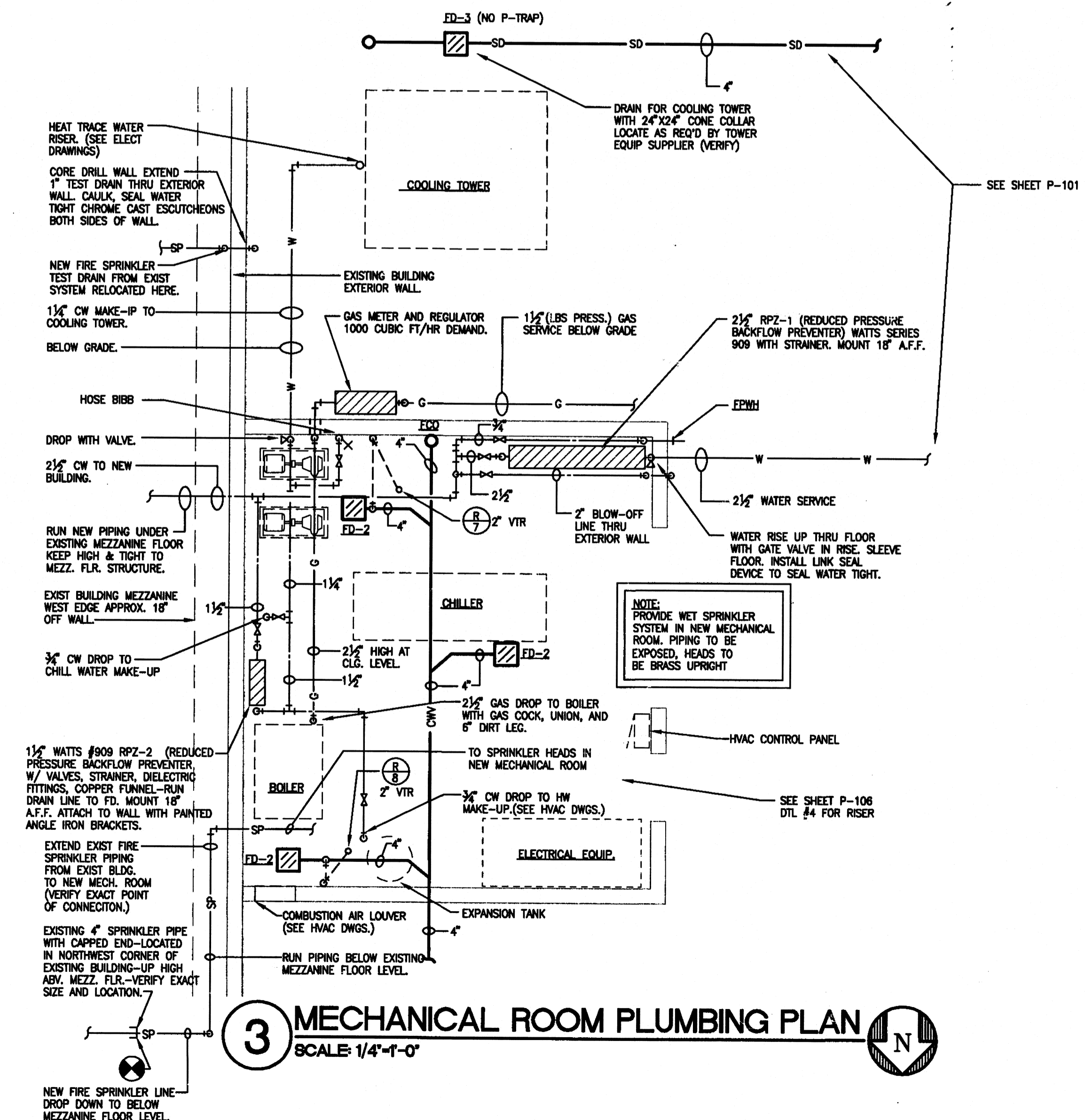
SYMBOL	DESCRIPTION
—SP—	FIRE SPRINKLER PIPING
—F—	FIRE PROTECTION WATER SUPPLY
●	UPRIGHT SPRINKLER HEAD
○	RECESSED SPRINKLER HEAD IN CEILING
⊕	SUPERVISED INDICATING TYPE VALVE (O.S.&Y)
⊖	FLOW SWITCH
▨	RECESSED FIRE HOSE CABINET
▩	RECESSED FIRE EXTINGUISHER CABINET
F.E.	FIRE EXTINGUISHER
F.H.C.	FIRE HOSE CABINET
O.S.&Y.	OUTSIDE SCREW & YOKE
F.E.C.	FIRE EXTINGUISHER CABINET
⊕	FIRE HYDRANT
⊖	FIRE DEPARTMENT CONNECTION



1 EXTERIOR CLEAN-OUT (ECO)
SCALE: NONE



2 GAS METER DETAIL
SCALE: NONE



3 MECHANICAL ROOM PLUMBING PLAN
SCALE: 1/4"=1'-0"

DRAIN SCHEDULE		
SYMBOL	MANUFACTURER	REMARKS
FD-1	WADE SERIES 1100STD FLOOR DRAIN, CAST IRON BODY WITH FLANGE, CLAMPING COLLAR, SEEPAGE OPENINGS AND 7" DA. NICKEL BRONZE STRAINER	
FD-2	WADE SERIES 9140 FLOOR SINK, 12"x12"x8" DEEP, ALUMINUM DOME SECONDARY STRAINER, 1/2" OR 3/4" NICKEL BRONZE GRATE, CONTRACTOR TO VERIFY	VERIFY EXACT LOCATIONS WITH HVAC DWGS
FD-3	WADE SERIES 9140, 12"x12"x8", FLOOR SINK 3/4" TOP, ALUMINUM DOME SECONDARY STRAINER, NICKEL BRONZE TOP.	SET IN 24"x24"x6" CONCRETE COLLAR NEAR COOLING TOWER

NOTE: ALL FLOOR DRAINS SHALL BE ACCESSORIZED FOR VANDAL PROOF INSTALLATION

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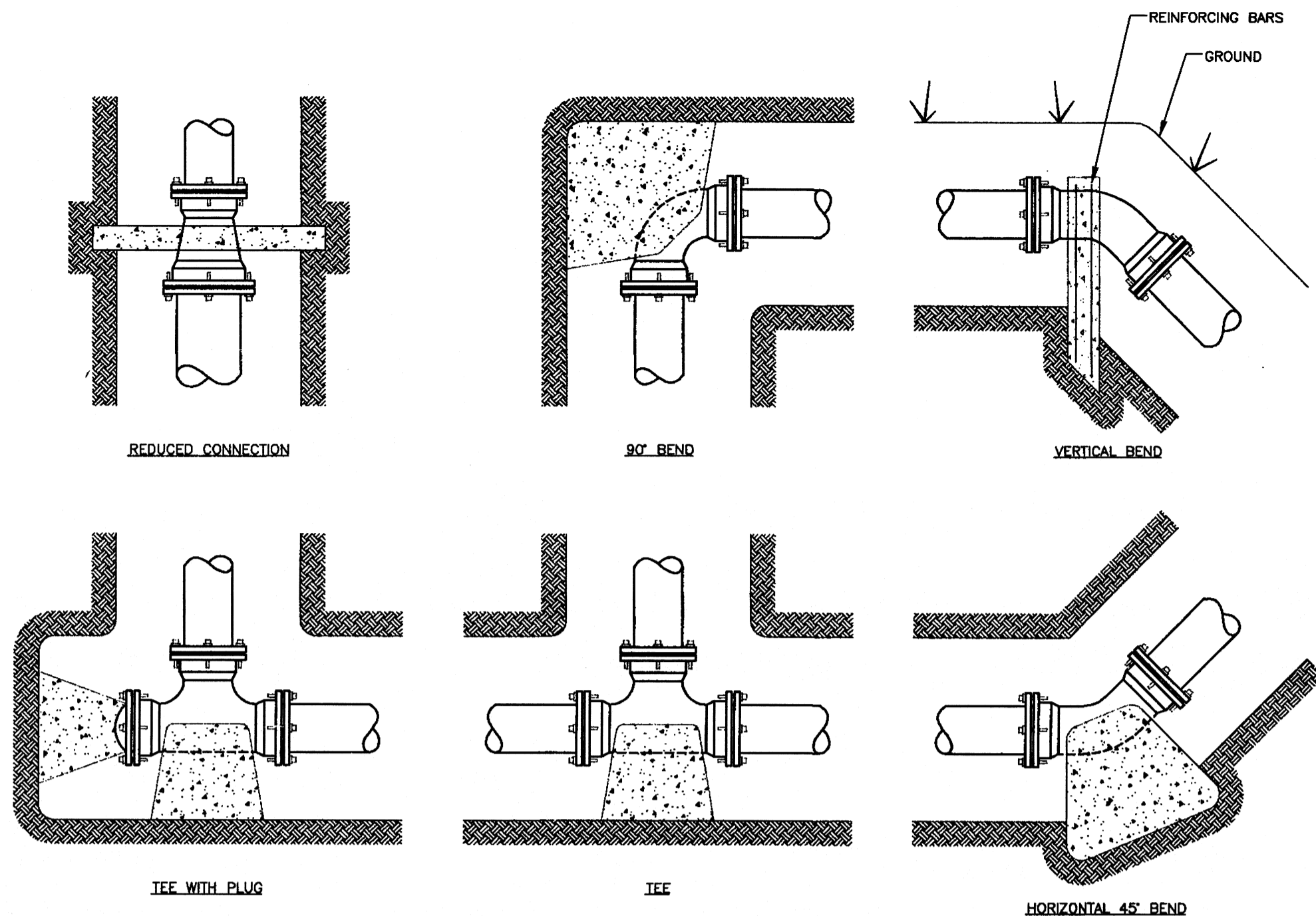
Professional Engineer Seal: **DAVID R. HARRIS**, No. 5388, State of Arkansas, License Date 5-25-00

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Sheet: **P104**

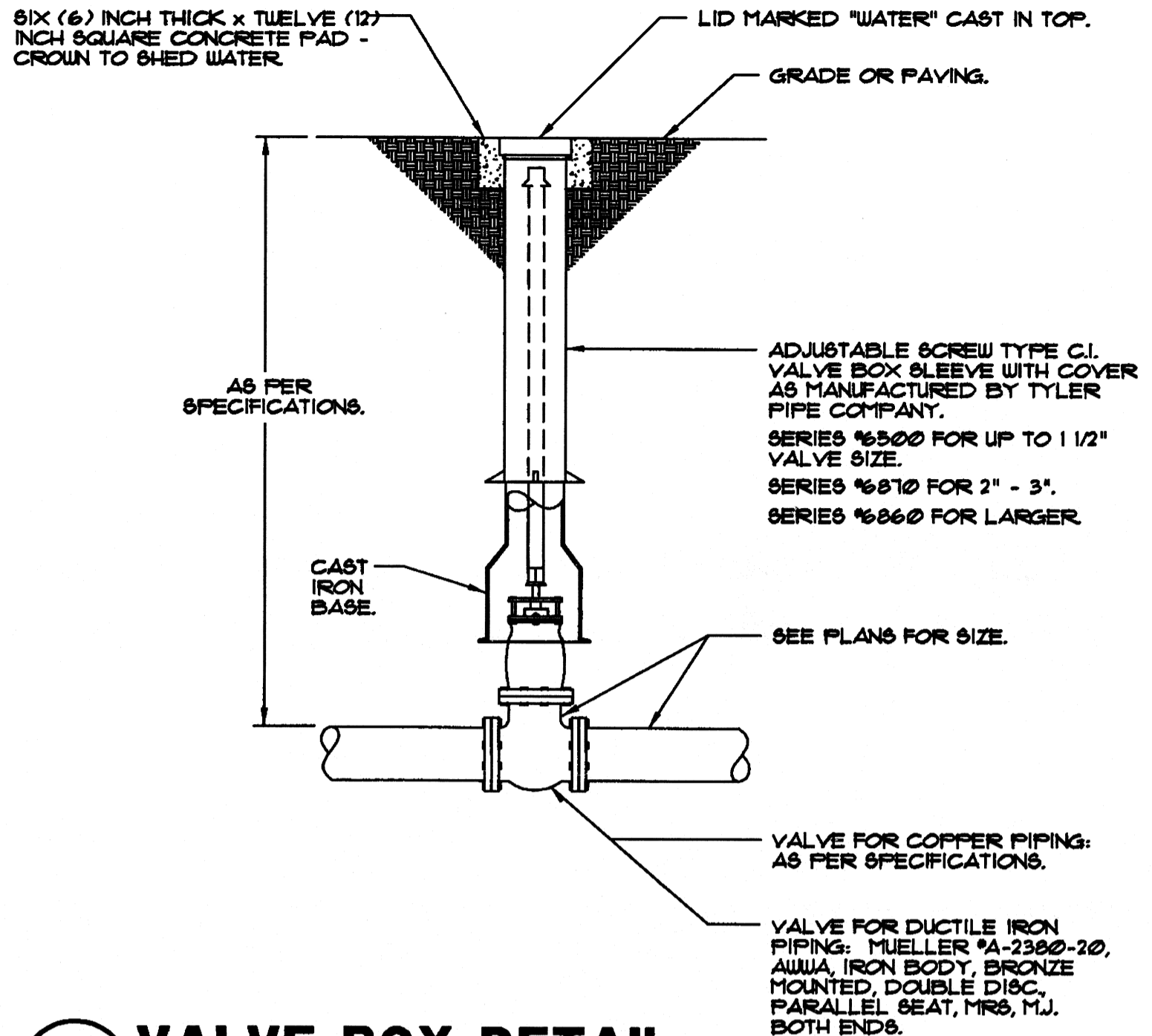
Revision Table:
 1 Rev. No. Rev. Date Comm. No. 1-2615-97
 2 Rev. No. Rev. Date Issue Date 5-25-00

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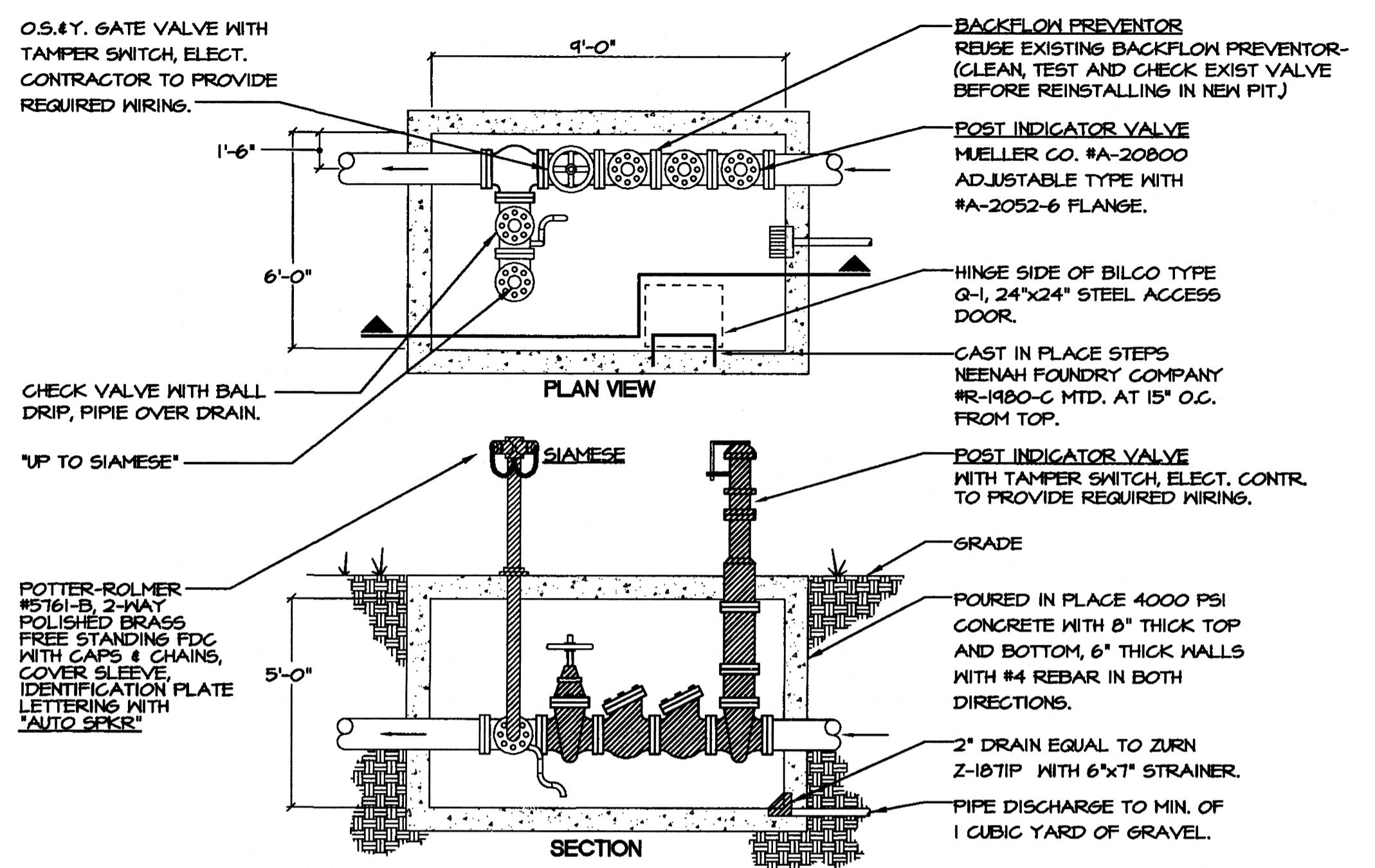
1 TYPICAL THRUST BLOCKING DETAILS
SCALE: NONE

- ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
- WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE BLOCKING OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A KICKER BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
- WEIGHT CALCULATIONS TO BE BASED ON THRUST DUE TO STATIC PRESSURE + 50% OR TEST PRESSURE, WHICHEVER IS GREATER.
- WHEN BLOCKING AGAINST PLUG, PLUG SHALL BE COVERED TO PREVENT BINDING OF CONCRETE.
- WHERE SHEAR BECOMES A PROBLEM PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
- CLEARANCE SHALL BE A MINIMUM OF 6" BETWEEN PIPE AND OBSTRUCTION.
- CLEARANCE ON PIPES BELONGING TO OIL & GAS COMPANIES SHALL SPECIAL BE 18" UNLESS SPECIAL PERMISSION IS GIVEN BY THESE COMPANIES.

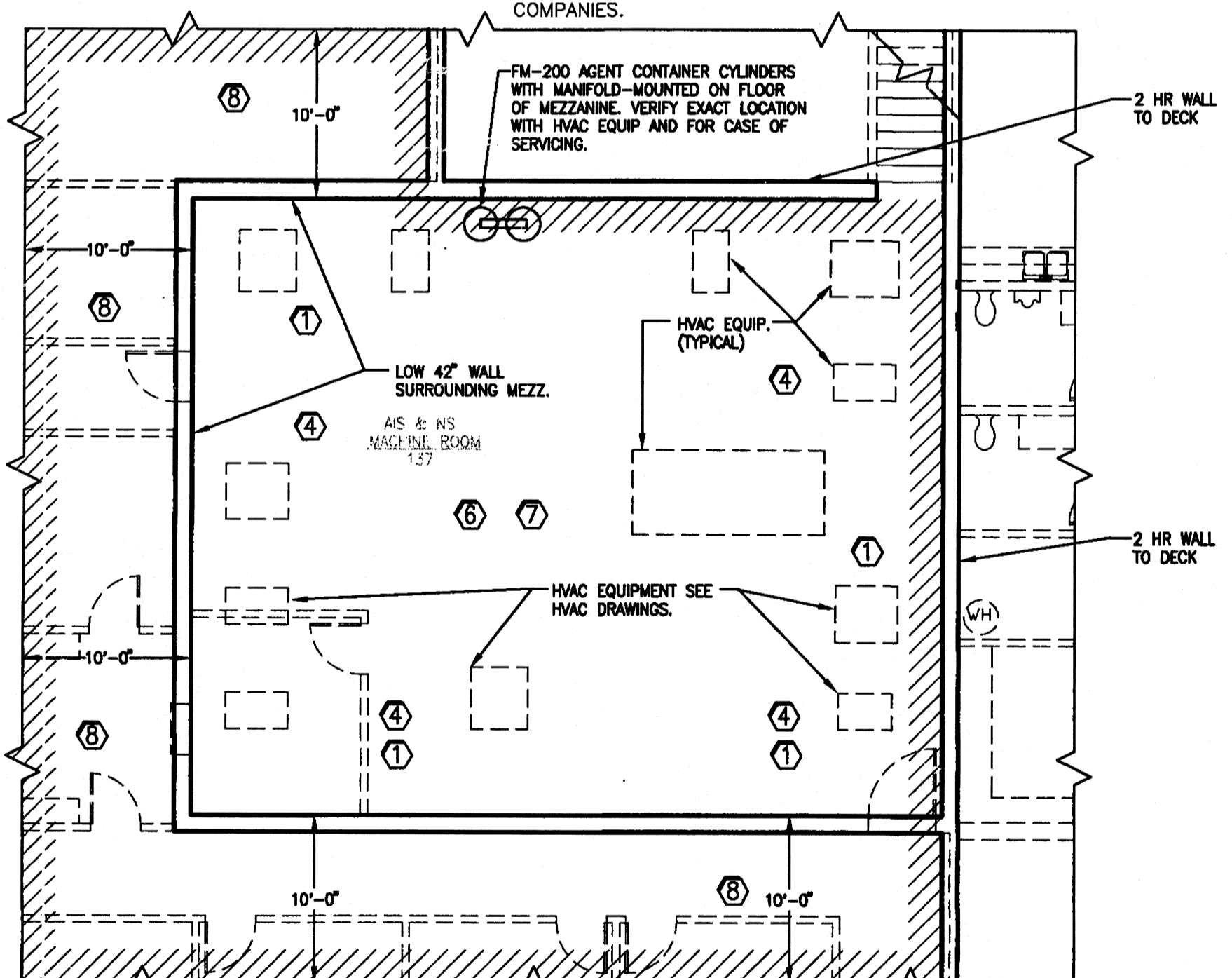


2 VALVE BOX DETAIL
SCALE: NONE

NOTE: CONTRACTOR SHALL PROVIDE TO THE OWNER UPON COMPLETION OF THIS WORK, A VALVE OPERATING WRENCH WITH SOCKET SIZE TO FIT VALVE NUT AND SUFFICIENT LENGTH TO PROVIDE 1" CENTERLINE AT FORTY-TWO (42) INCHES ABOVE FINISH GRADE. WRENCH SHALL BE EQUAL TO #A-24610 AS MANUFACTURED BY MUELLER COMPANY.



3 BACKFLOW PREVENTOR/P.I.V./SIAMESE PIT DETAIL
SCALE: NONE

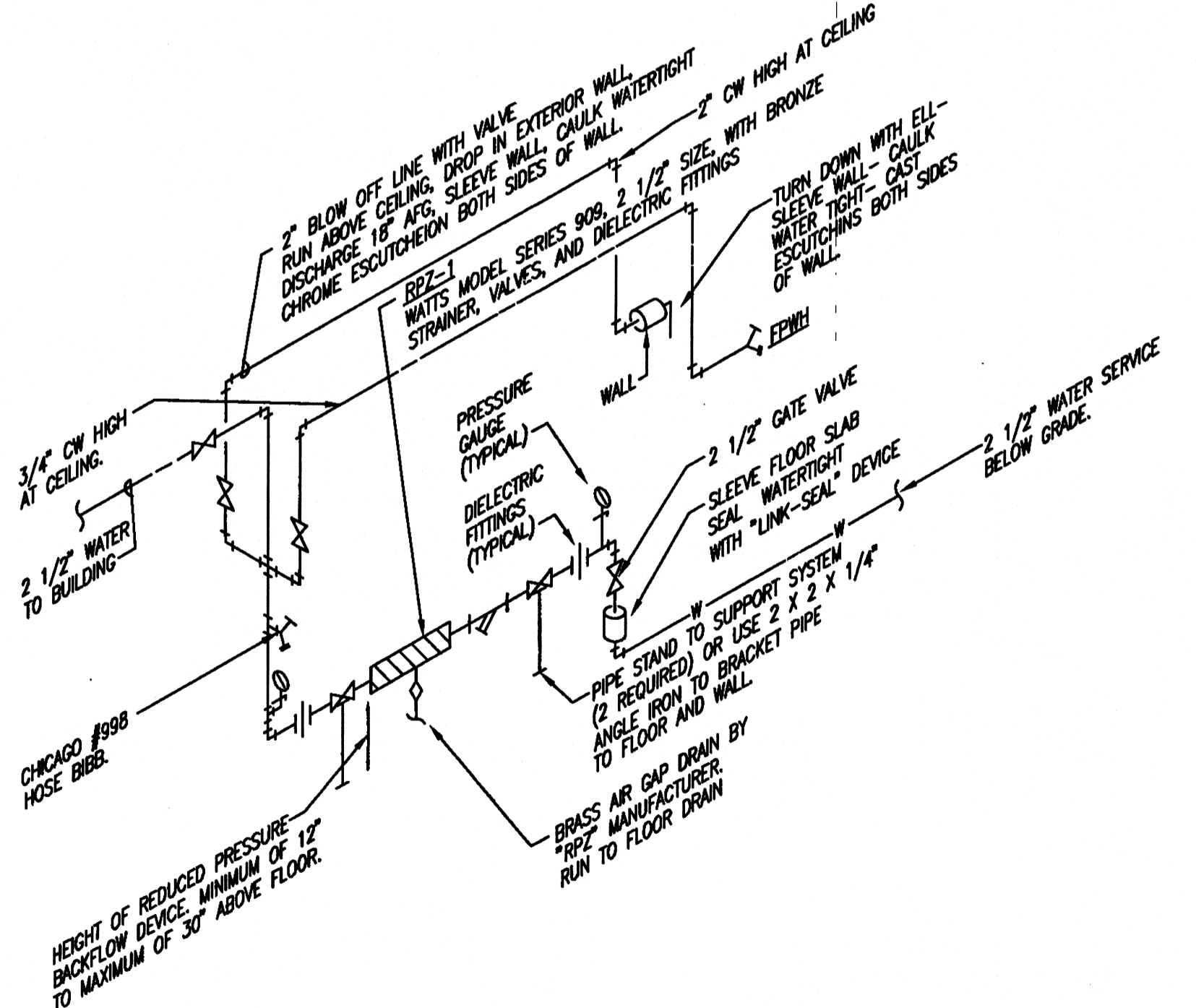


4 PARTIAL FIRE PROTECTION PLAN - HVAC MEZZANINE ABOVE ROOM 137
SCALE: 1/8"=1'-0"

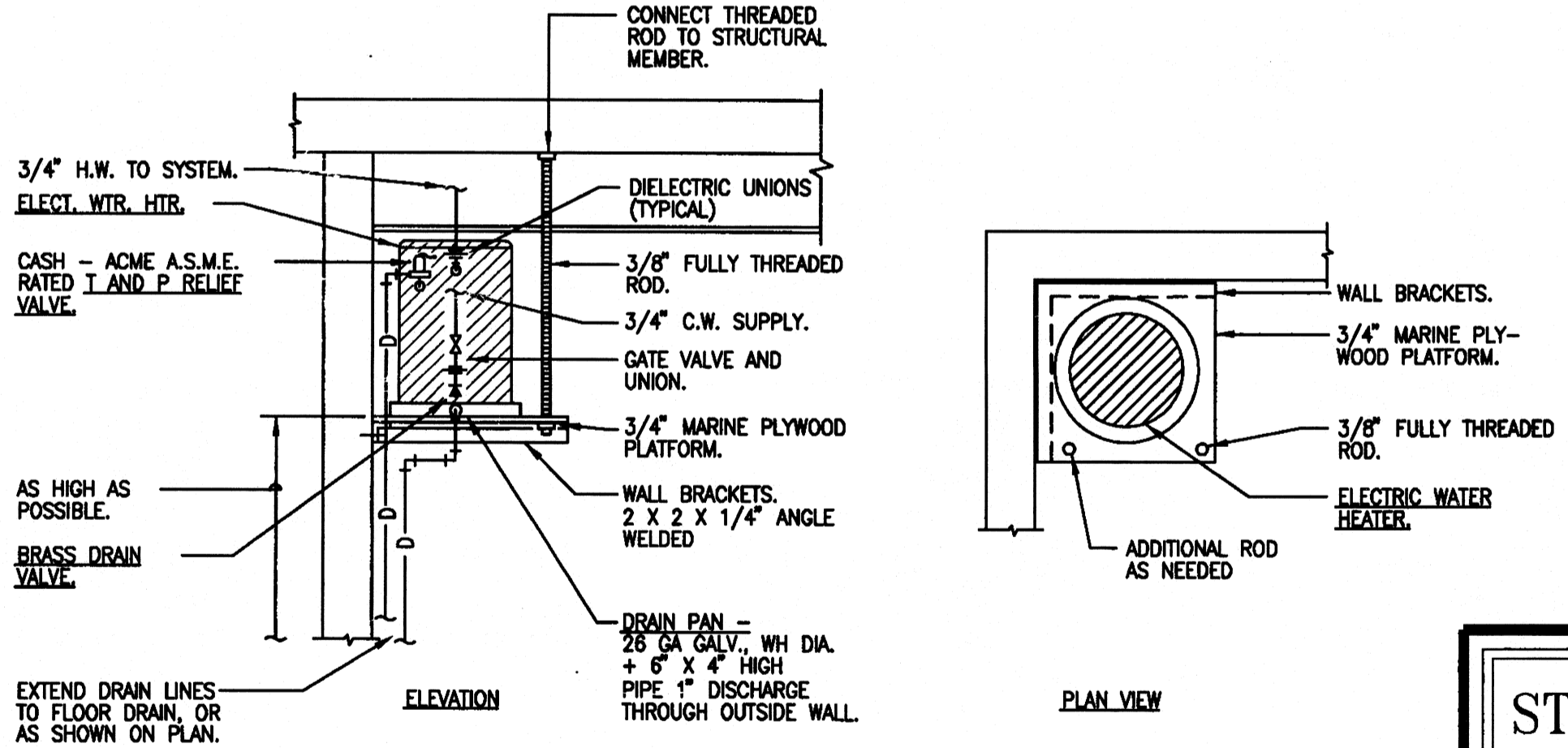
THIS HVAC EQUIP. MEZZANINE REQUIRES A WET SPRINKLER SYSTEM. CALIBRALLY COORDINATE HEADS AND PIPING WITH OTHER EQUIPMENT. THIS AREA IS ORDINARY HAZARD (GROUP 1) OCCUPANCY.

FIRE PROTECTION KEYED NOTES:

- THE ENTIRE BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC WET TYPE FIRE SPRINKLER SYSTEM. (EXCEPT AIS & NS MACHINE RM. WHICH REQUIRES A FM-200 FIRE SUPPRESSION SYSTEM). SINGLE CROSSHATCHING DENOTES BOUNDARIES OF STANDARD WET SYSTEM. ALL AREAS ARE LIGHT HAZARD OCCUPANCIES UNLESS NOTED OTHERWISE. SEE GENERAL FIRE PROTECTION NOTES AND OTHER KEYED NOTES FOR SPECIAL AREA REQUIREMENTS.
- IN MECHANICAL AND ELECTRICAL ROOMS (ESPECIALLY ROOMS WITHOUT CEILING) COORDINATE CAREFULLY THE EXACT LOCATIONS OF HEADS. REVIEW MECHANICAL AND ELECTRICAL DRAWINGS TO ENSURE THAT HEADS ARE NOT INSTALLED DIRECTLY ABOVE DUCTWORK, EQUIPMENT, ETC.
- HVAC MEZZANINE REQUIRES WET SPRINKLER SYSTEM.
- THESE AREAS ARE ORDINARY HAZARD (GROUP 1) OCCUPANCIES.
- SPRINKLER HEADS ABOVE MEZZANINE SHALL BE UPRIGHT BRASS HEADS ATTACHED AT BUILDING ROOF STRUCTURE. PROVIDE SPRINKLER COVERAGE 10' BEYOND EDGES OF MEZZANINE FLOOR.



5 DOMESTIC RPZ-1 DETAIL AT NEW MECHANICAL ROOM
SCALE: NONE



6 ELECTRIC WATER HEATER DETAIL
SCALE: NONE (TYPICAL FOR WH-1 AND WH-2.)

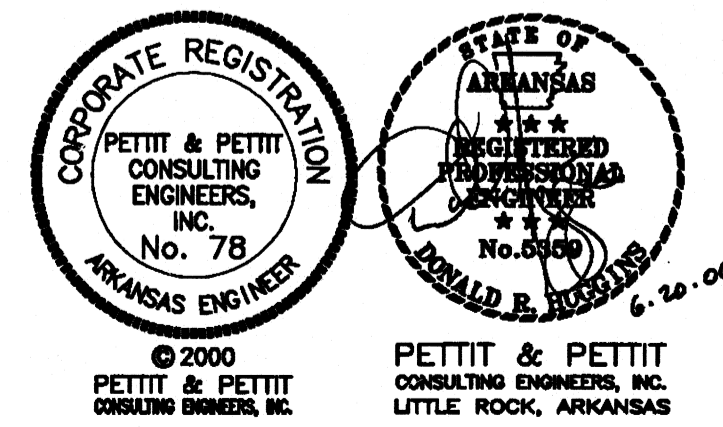
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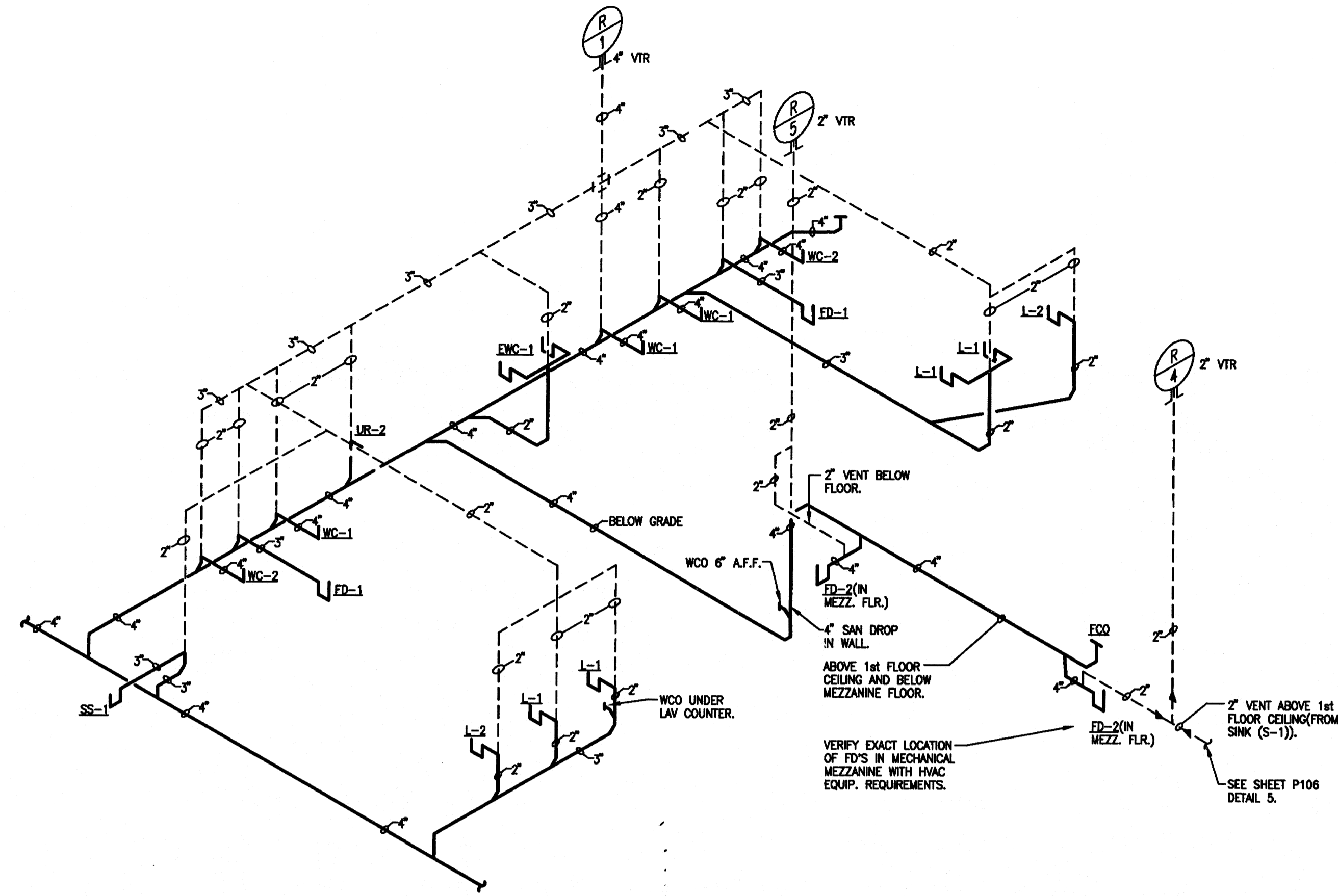
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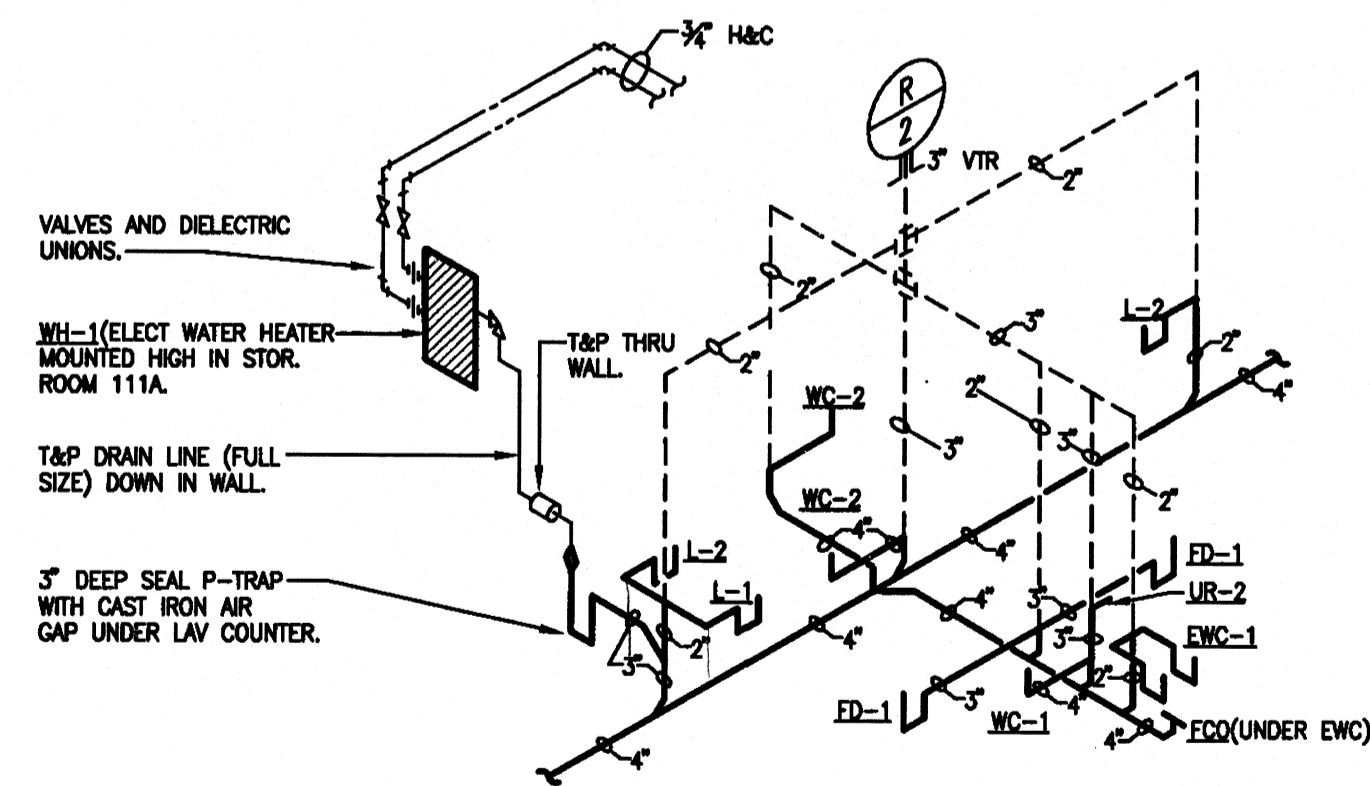
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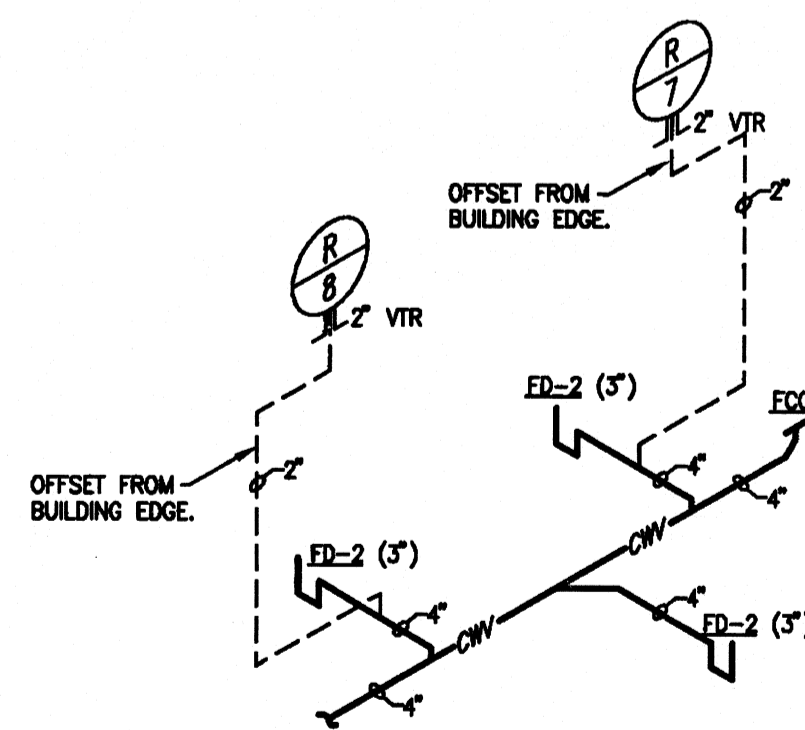




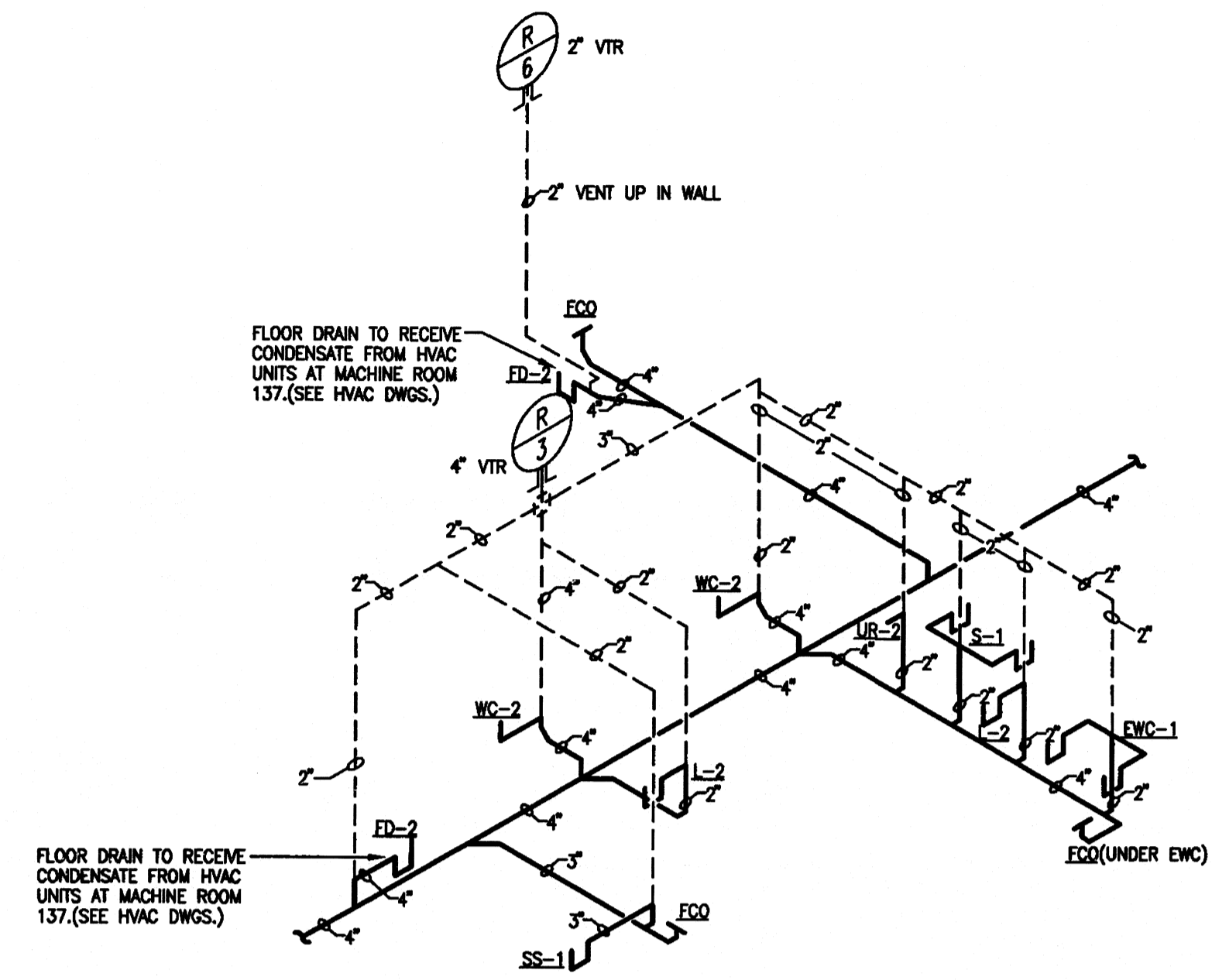
1 WASTE AND VENT RISER AT WOMEN 112 AND MEN 113 TLTS
SCALE: NONE



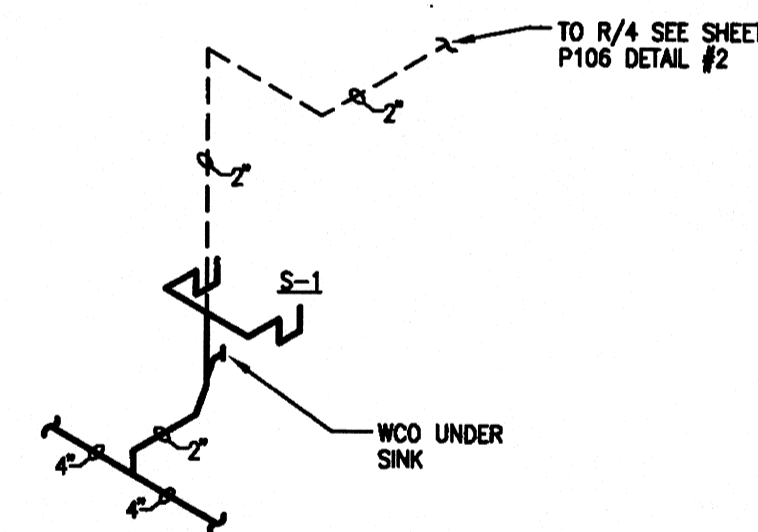
3 WASTE AND VENT RISER AT MEN 132, AND WOMEN 133 TLTS.
SCALE: NONE



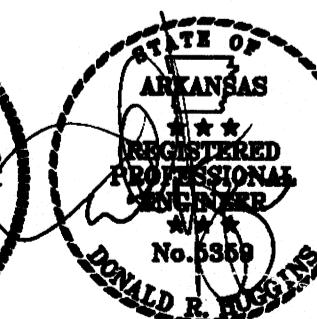
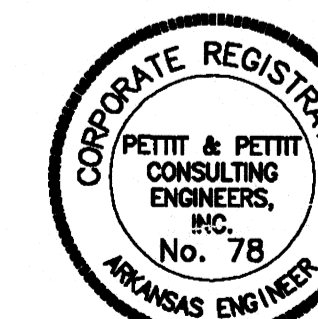
4 WASTE AND VENT RISER AT NEW MECHANICAL ROOM
SCALE: NONE



2 WASTE AND VENT RISER AT WOMEN 108, MEN 109 TLTS, AND JAN 107.
SCALE: NONE



5 WASTE AND VENT RISER AT BREAK ROOM 106
SCALE: NONE



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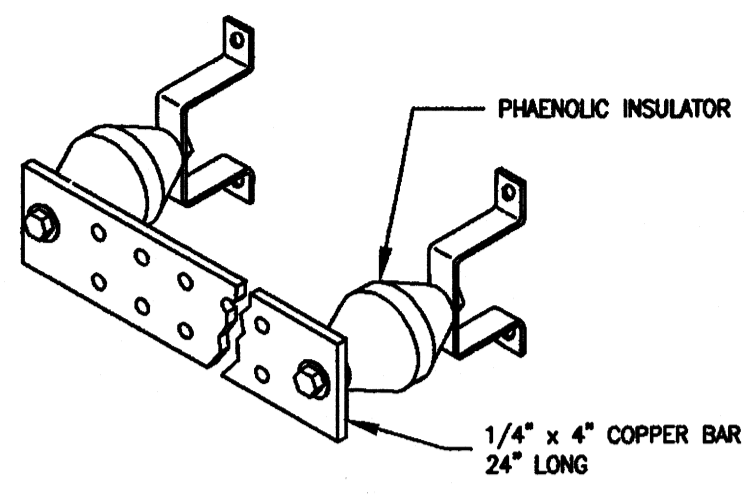
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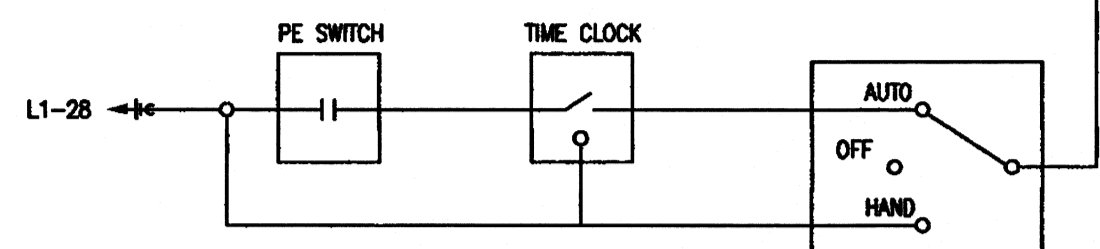
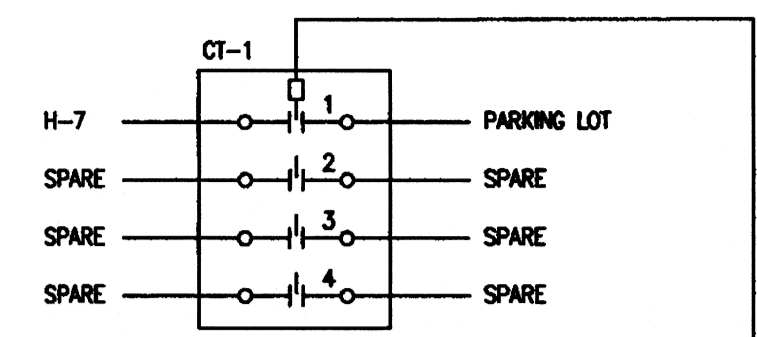
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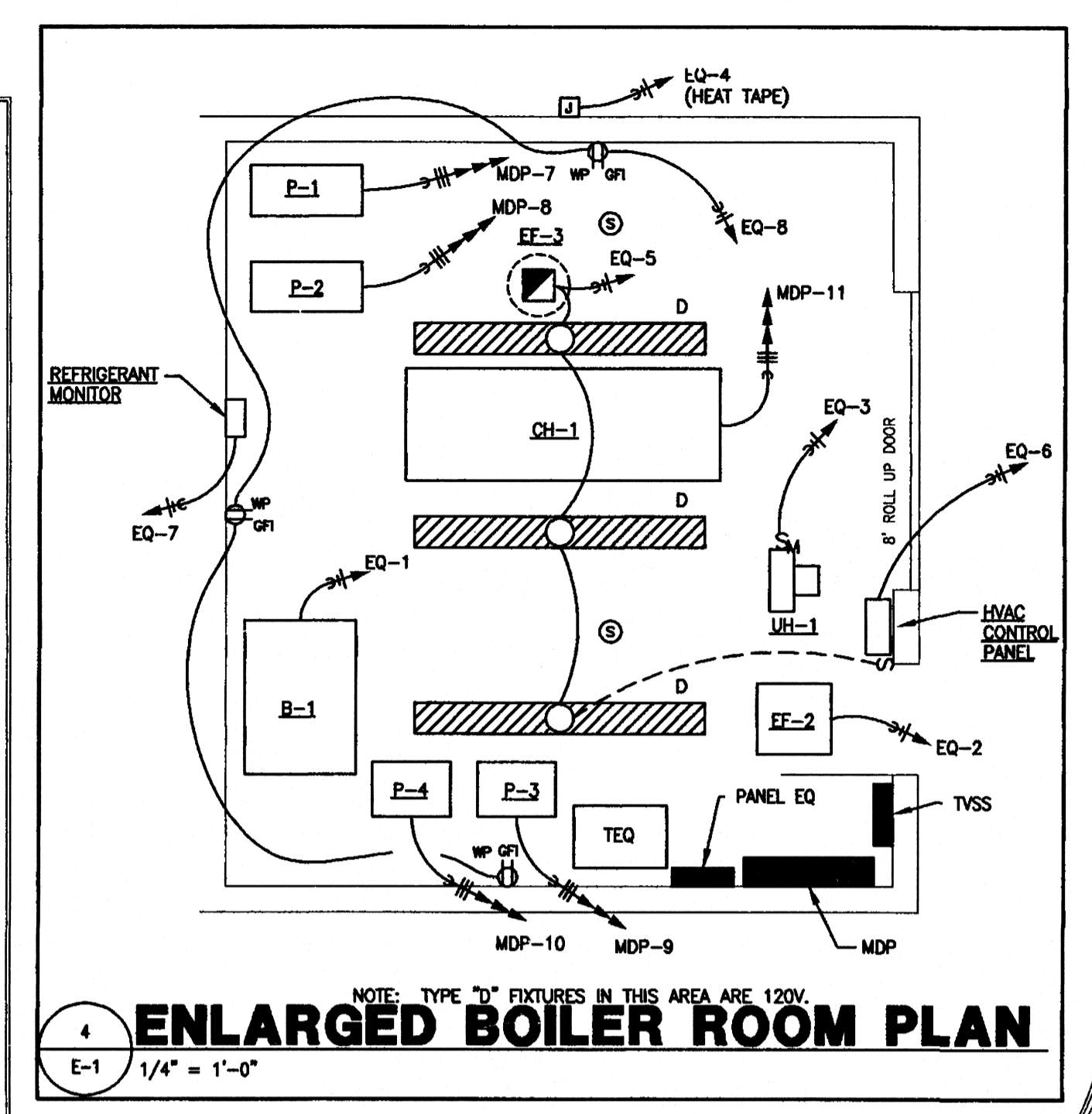


2 TYPICAL GROUND BAR
E-1 N.T.S.

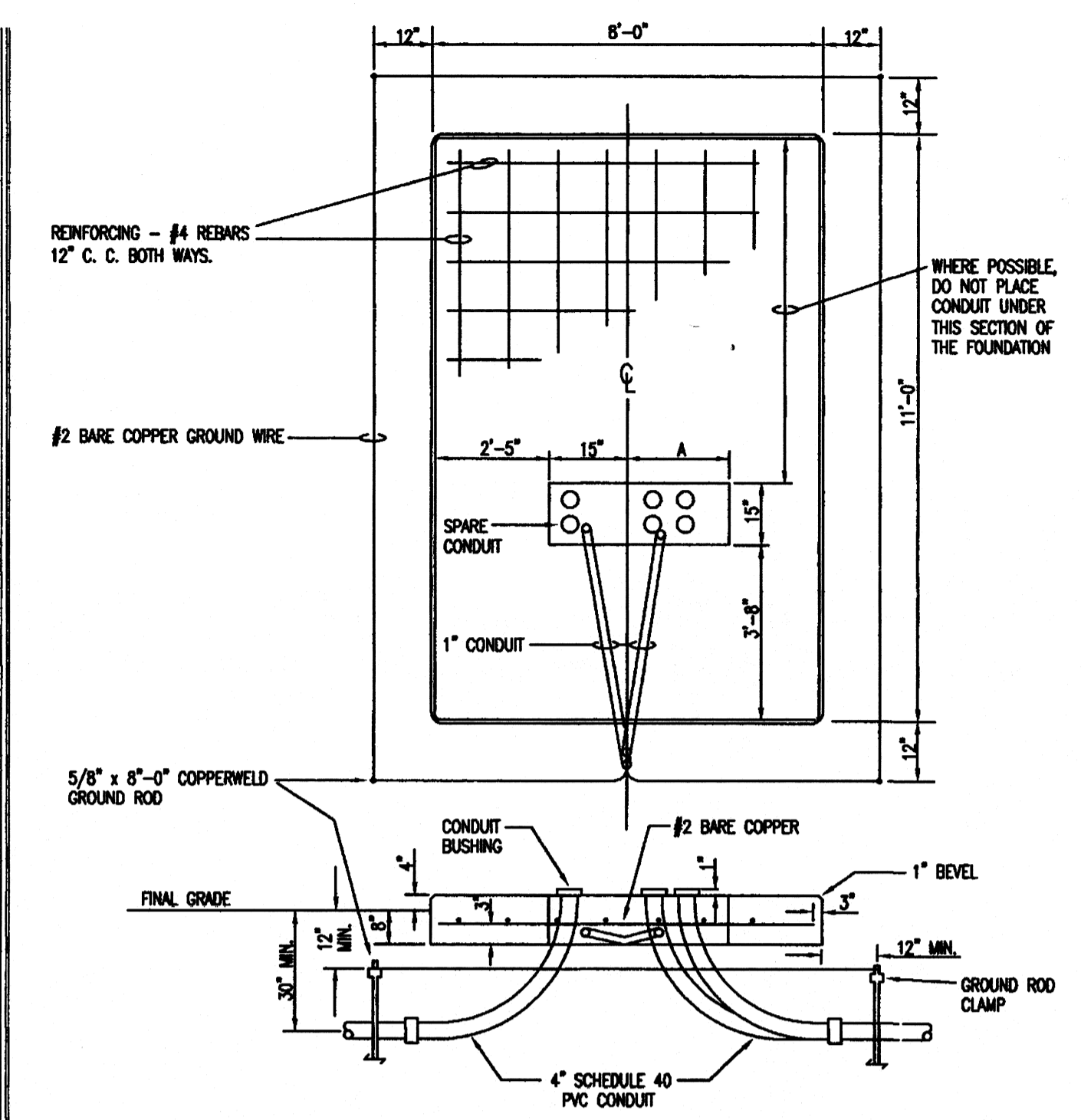
- NOTES**
1. FE SWITCH TO BE MOUNTED ON THE ROOF (FACING NORTH). SWITCH SHALL BE YORK #2101 (ADJUSTABLE), OR EQUAL. COORDINATE MOUNTING LOCATION AND ADJUSTMENTS WITH OWNER'S REPRESENTATIVE AND ARCHITECT.
 2. PROVIDE CT-1 WITH CONNECTIONS AS SHOWN. CONTACTORS SHALL BE SQUARE D TYPE LG, 277V, 30A, 800V, ELECTRICALLY HELD, OR EQUAL.
 3. PROVIDE NEUTRAL WIRING CONNECTION FOR FE SWITCH AND TIME CLOCK.
 4. PROVIDE A NEMA 1 ENCLOSURE TO MOUNT CT-1 AND H.O.A. SWITCH.
 5. TIME CLOCK SHALL BE YORK #7200L, OR EQUAL. COORDINATE ON/OFF SCHEDULES WITH OWNER'S REPRESENTATIVE AND ARCHITECT.



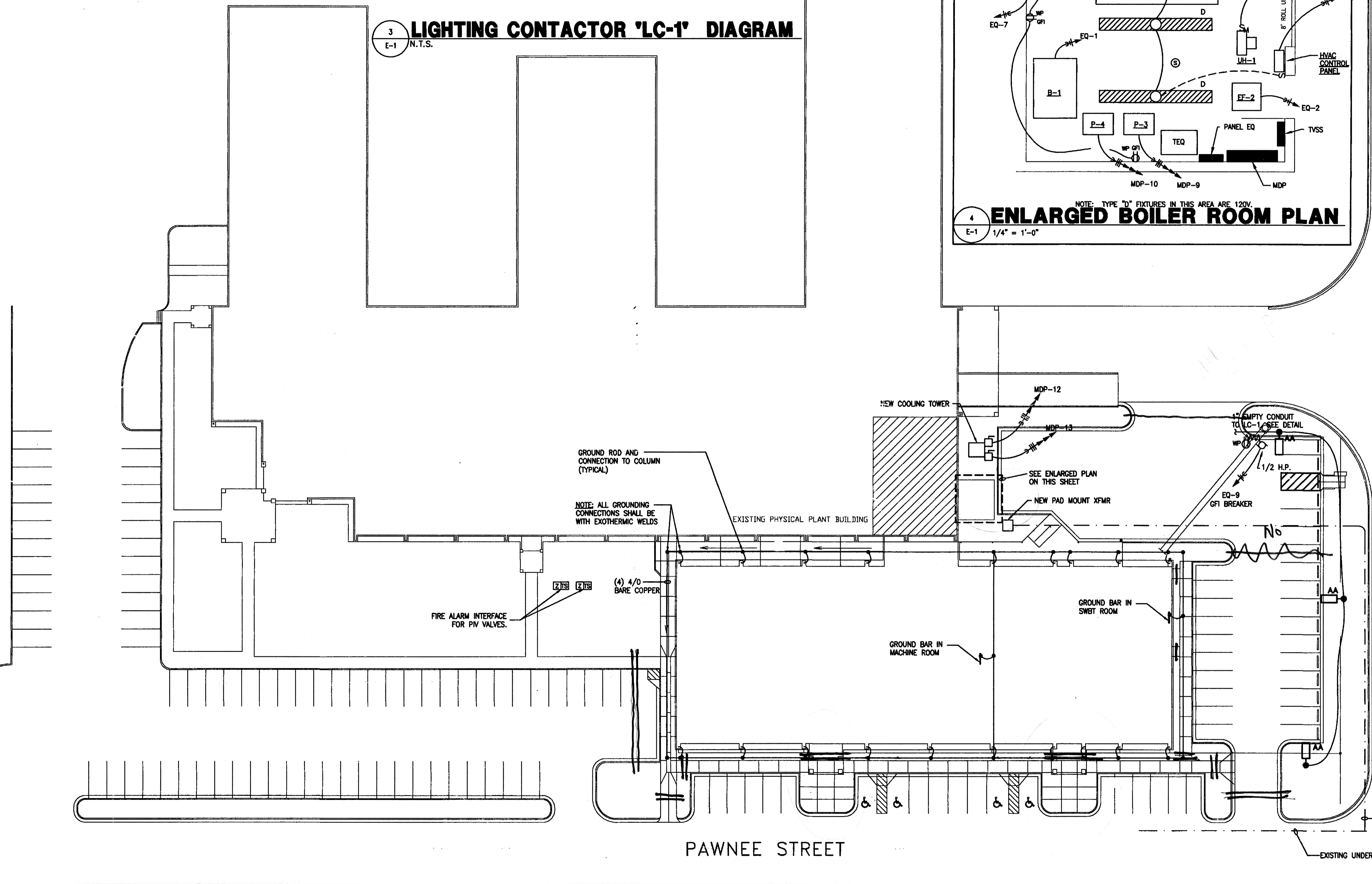
3 LIGHTING CONTACTOR 'LC-1' DIAGRAM
E-1 N.T.S.



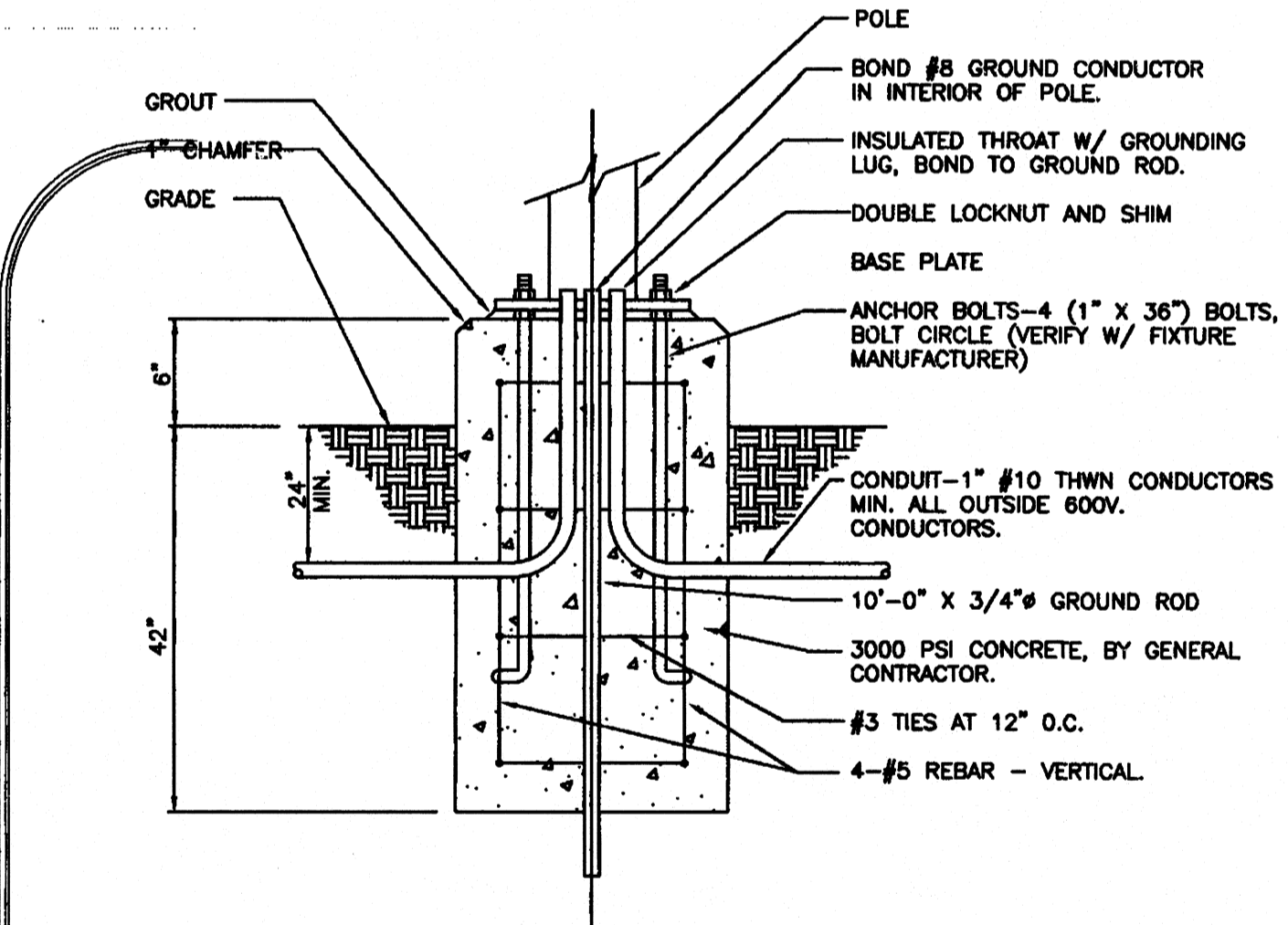
4 ENLARGED BOILER ROOM PLAN
E-1 1/4" = 1'-0"



5 TRANSFORMER PAD DETAIL
E-1 N.T.S.



1 ELECTRICAL SITE PLAN
E-1 1" = 30'-0"

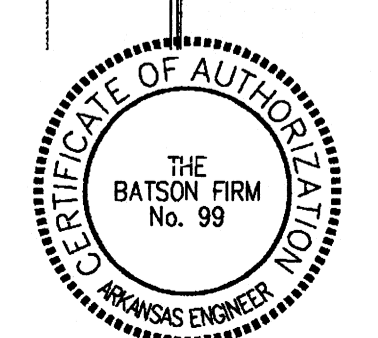


6 LIGHTING POLE BASE DETAIL
E-1 N.T.S.

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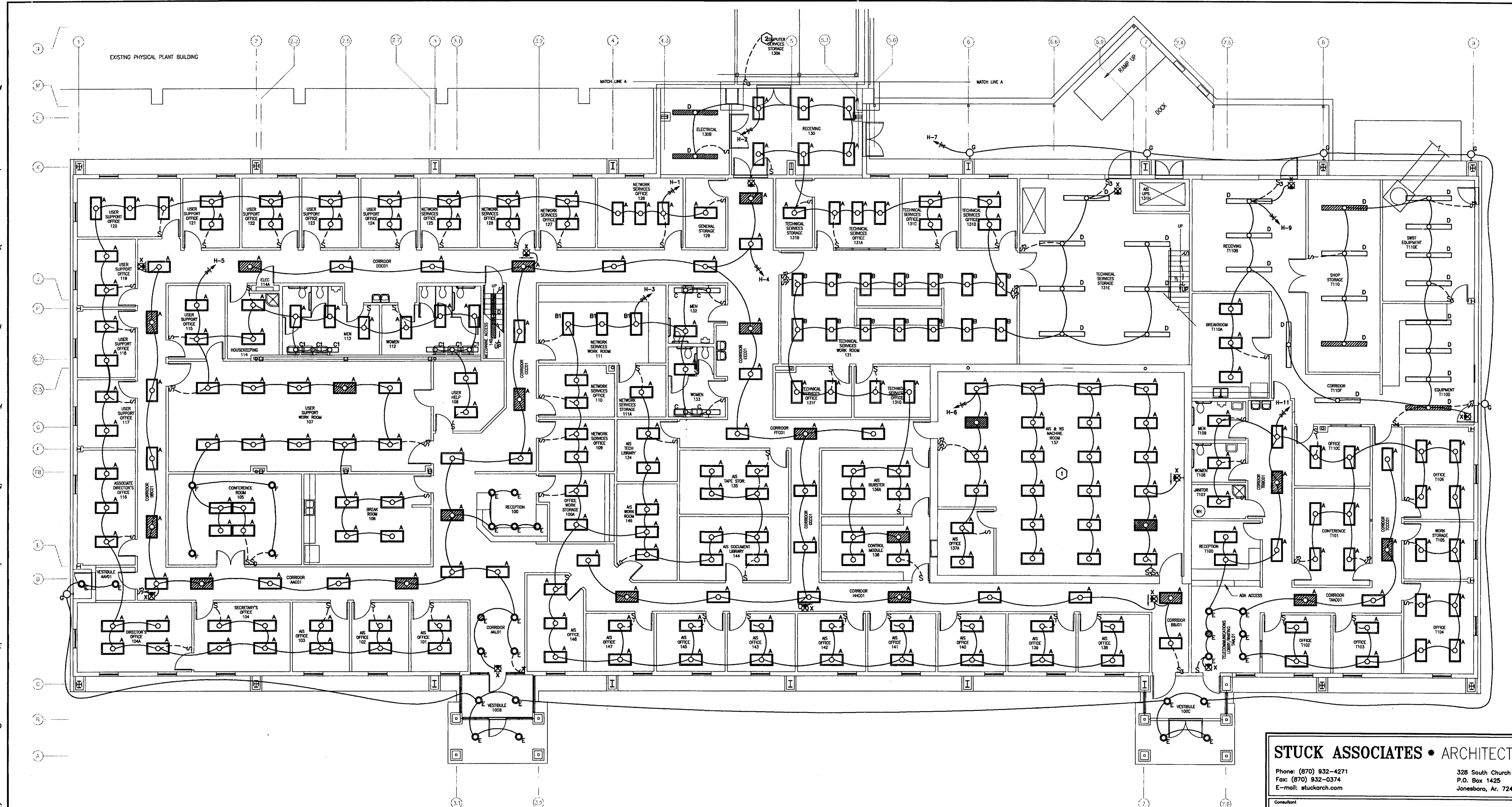


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Rev. No.	Rev. Date	Revision Date

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E-1

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- KEYED NOTES**
- ① LIGHTING SHOWN IN THIS AREA FOR PRICING ONLY. ACTUAL ARRANGEMENT MUST BE FIELD VERIFIED.
 - ② REPLACE EXISTING SINGLE POLE SWITCH WITH 3-WAY SWITCH AND ADD SWITCH AS INDICATED FOR 3-WAY OPERATION OF EXISTING LIGHTS IN PAPER STORAGE.

1 LIGHTING PLAN
E-2 1/8" = 1' - 0"

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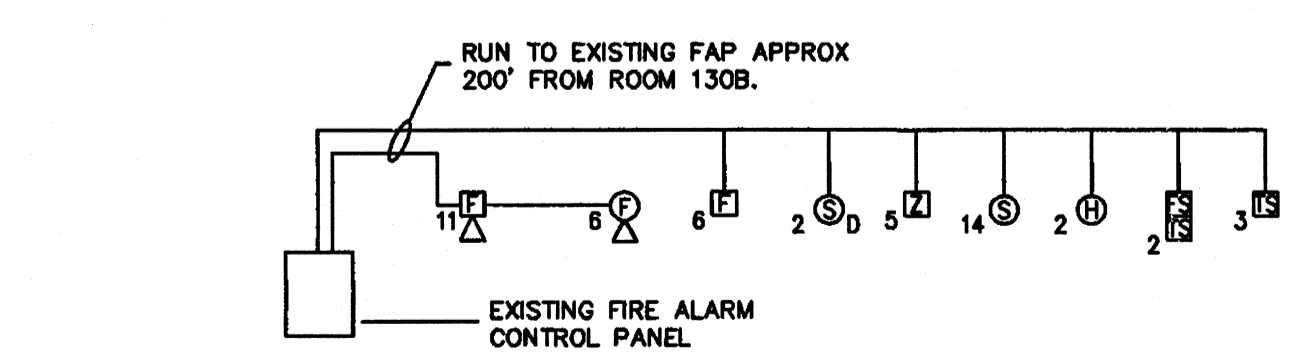
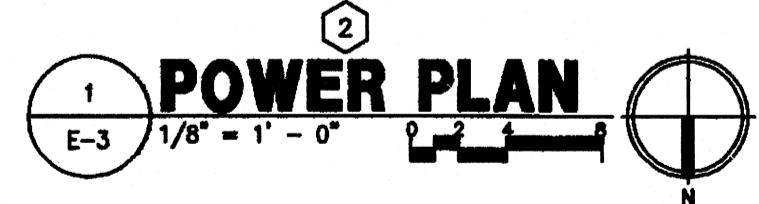
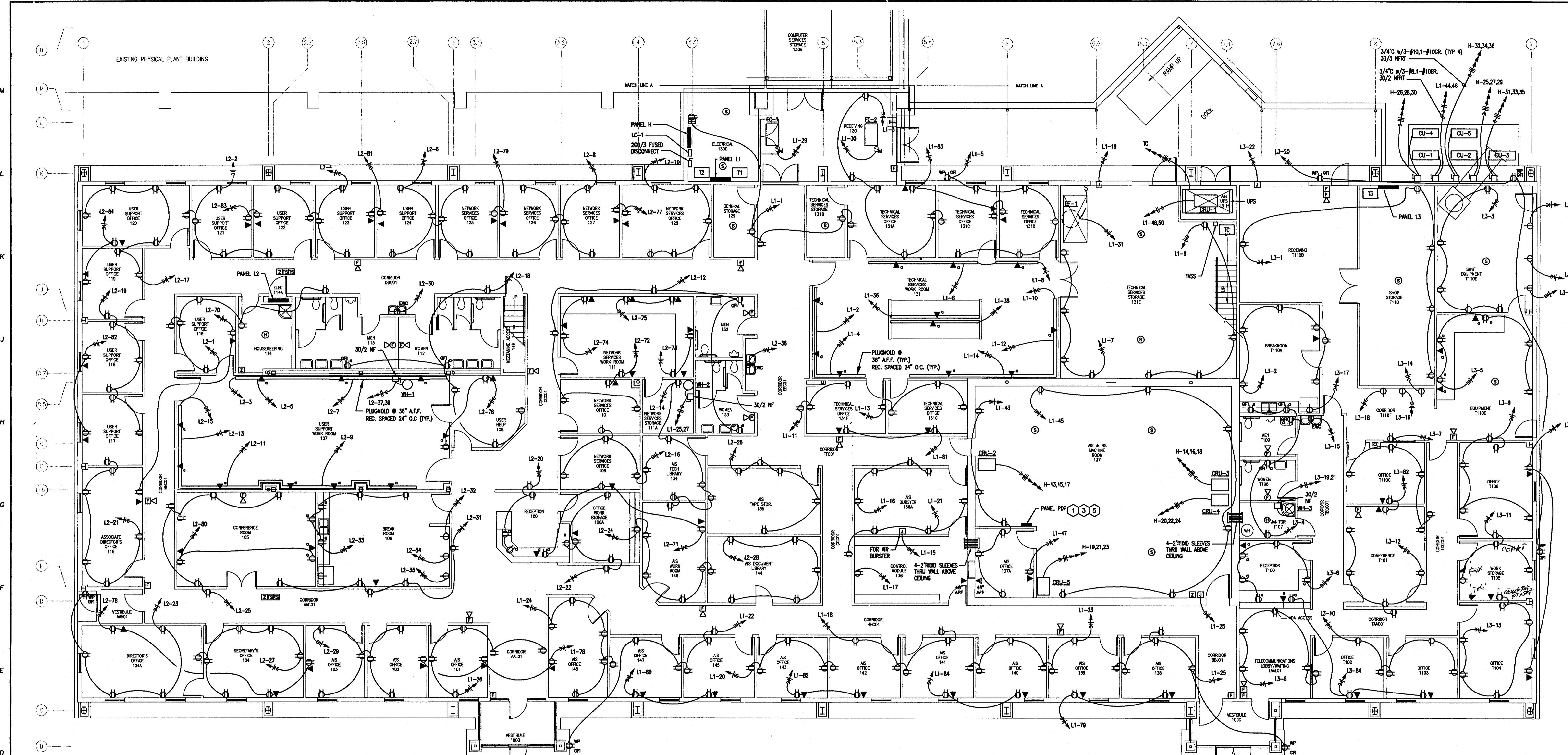
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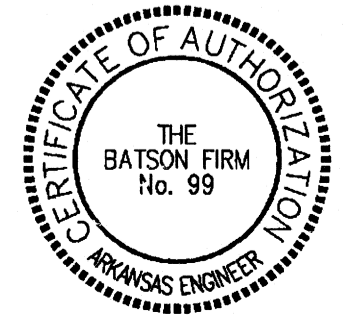


2 FIRE ALARM RISER
E-3 NOT TO SCALE

KEYED NOTES

- 1 POWER DISTRIBUTION PANEL PDP FOR UPS CIRCUITS. VERIFY EXACT BREAKERS REQUIRED.
- 2 PROVIDE SEPARATE NEUTRAL FOR ALL CIRCUITS. SHARED NEUTRALS ARE NOT ACCEPTABLE.
- 3 PROVIDE 100' OF CABLE TRAY IN THIS ROOM. EXACT LAYOUT TO BE FIELD VERIFIED.
- 4 PROVIDE 120V CIRCUIT AND MOTOR SWITCH FOR BLOWER COIL IN THIS AREA.
- 5 DO NOT PENETRATE CEILING WITH CONDUITS IN THIS AREA.
- 6 GENERAL NOTE - IN ROOMS WITH NO CEILING RUN CONDUIT UP AND OUT AS HIGH AS POSSIBLE ON WALL. RUN ALL CONDUITS IN A NEAT AND STRAIGHT MANNER.

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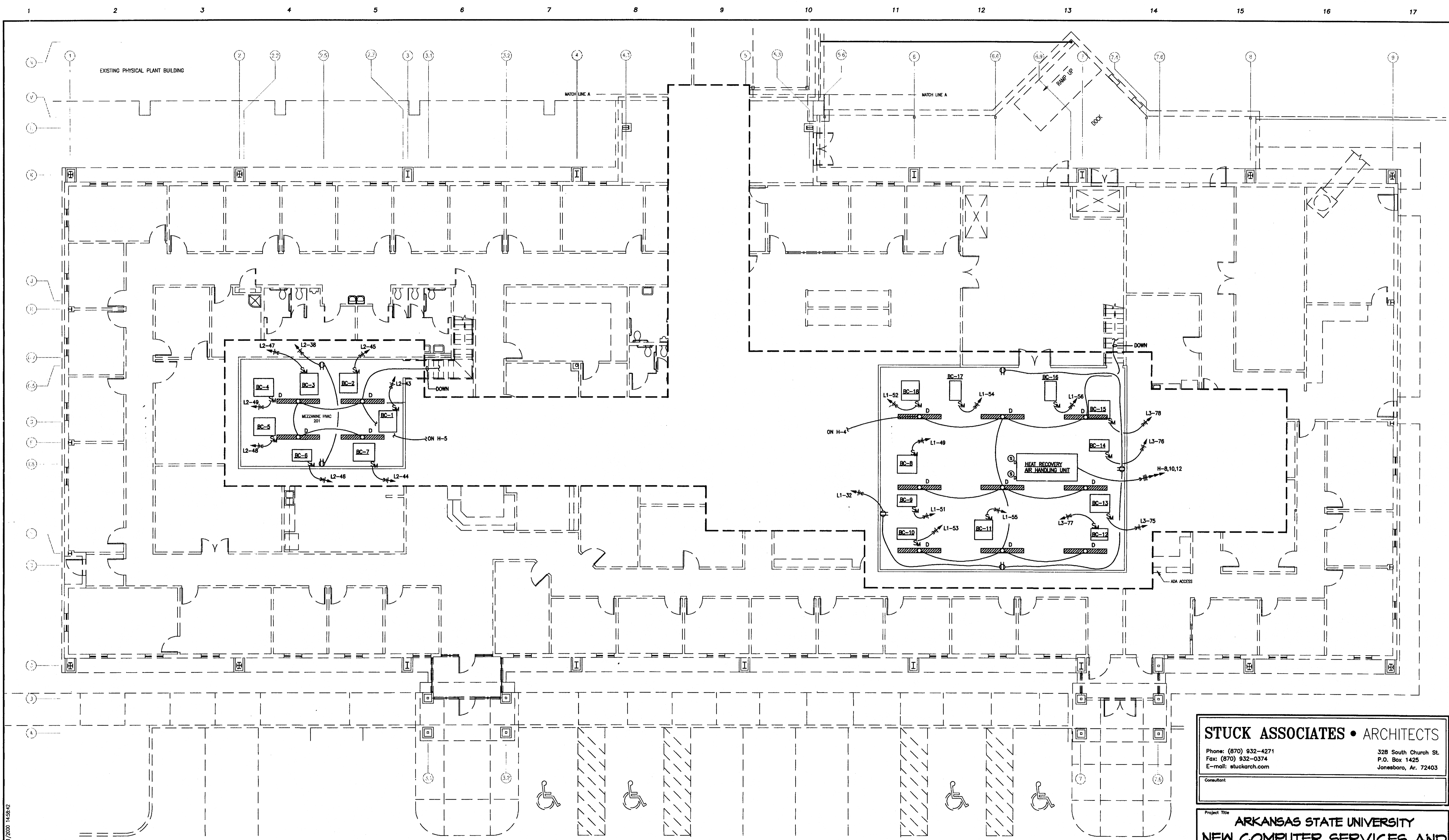
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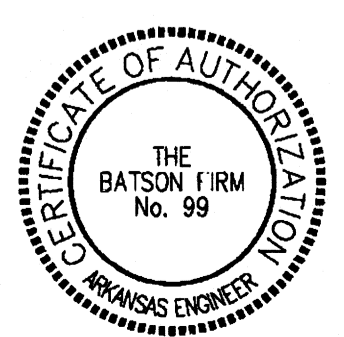
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MEZZANINE PLAN
 1/8" = 1' - 0"
 1
 E-4

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ELECTRICAL LEGEND

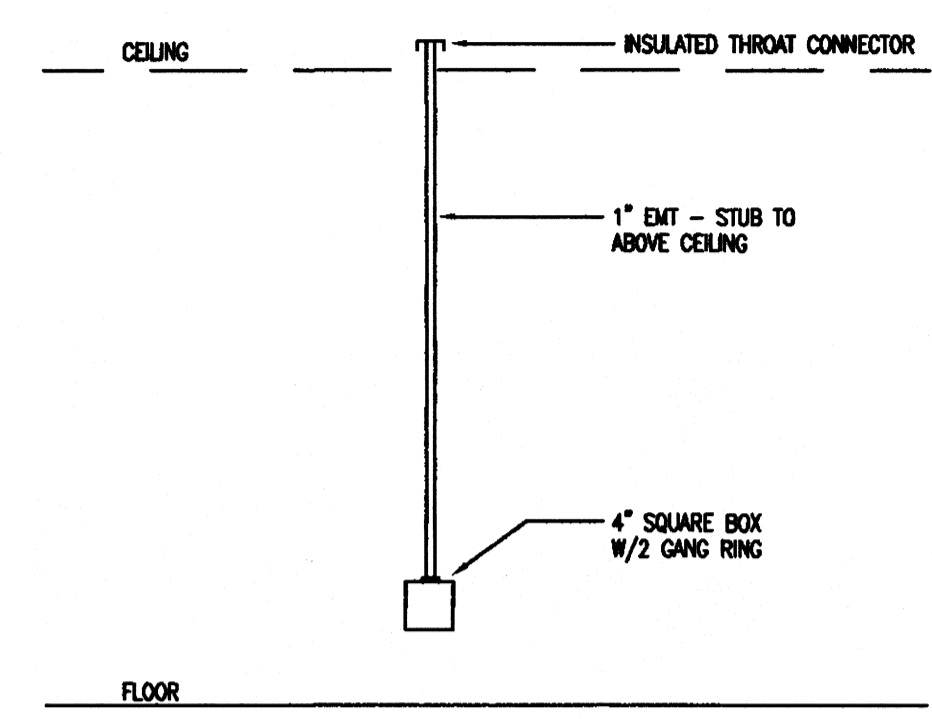
- 2x4 LAY-IN FIXTURE, SHADING INDICATES EMERGENCY POWERED
- INCANDESCENT, FLUORESCENT, OR HID FIXTURE
- SURFACE FIXTURE OR STRIP, SHADING INDICATES EMERGENCY POWERED
- EXIT LIGHT, SHADING INDICATES EMERGENCY FACES
- SINGLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- DIMMER SWITCH (600W UNLESS OTHERWISE NOTED)
- MANUAL MOTOR STARTER SWITCH
- HOMERUN: HOT, NEUTRAL, GROUND
- DUPLEX RECEPTACLE
- SINGLE RECEPTACLE
-
- JUNCTION BOX (FLUSH MOUNTED)
- MOTOR OUTLET
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- COMBINATION MOTOR STARTER / FUSED SWITCH
- MOTOR STARTER
- TELEPHONE/DATA OUTLET
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- FIRE ALARM PULL STATION
- FIRE ALARM SIGNAL DEVICE/PAGING
- FIRE ALARM TAMPER/FLOW SWITCHES
- ADA STROBE
- ZAM FIRE ALARM DEVICE
- INDICATES ABOVE COUNTER
- INDICATES GROUND FAULT PROTECTION
- INDICATES WEATHERPROOF

FIXTURE SCHEDULE

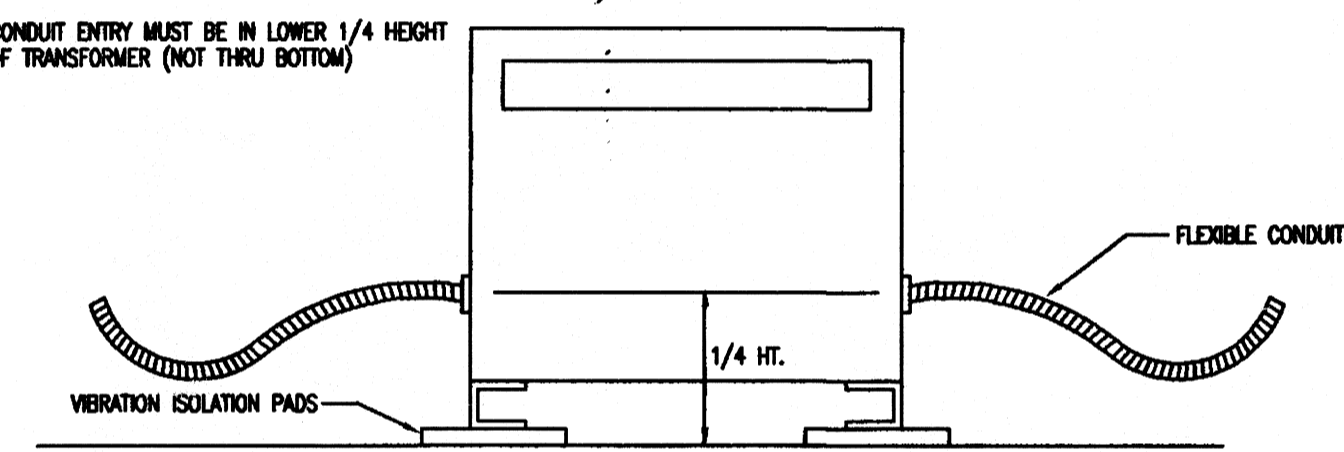
TYPE	MANUFACTURER	LAMPS	VOLTS	NOTES
A	METALUX # 2GC-232A-277-TEB81	2-F32T8/SPX35/ALTO	277	1,3,5
B	METALUX # 2GC-332A-277-TEB82	3-F32T8/SPX35/ALTO	277	1,3,5
B1	METALUX # 2GC-332A-277-TEB81	3-F32T8/SPX35/ALTO	277	1,3,5
C	METALUX # BAU-232-277-TEB81	2-F32T8/SPX35/ALTO	277	1,2,3
C1	METALUX # BAU-225-277-TEB81	2-F25T8/SPX35/ALTO	277	1,2,3
D	METALUX # 8TSS-232-277-TEB81	4-F32T8/SPX35/ALTO	277	1,3,6
E	HALO # C7032-2E-7050-LI	1-PLT32/SPX35	277	*
F	PORTFOLIO # HD7-7600-LI	1-150PAR/CAP	277	*
G	LUMARK # MHGP-150H-277	1-150MH	277	*
X	SURE-LITES # EP-1-R2CLED	BY MANUFACTURER	277	4
AA	OWNER FURNISHED AND INSTALLED	1-400SMH	277	

LIGHTING NOTES

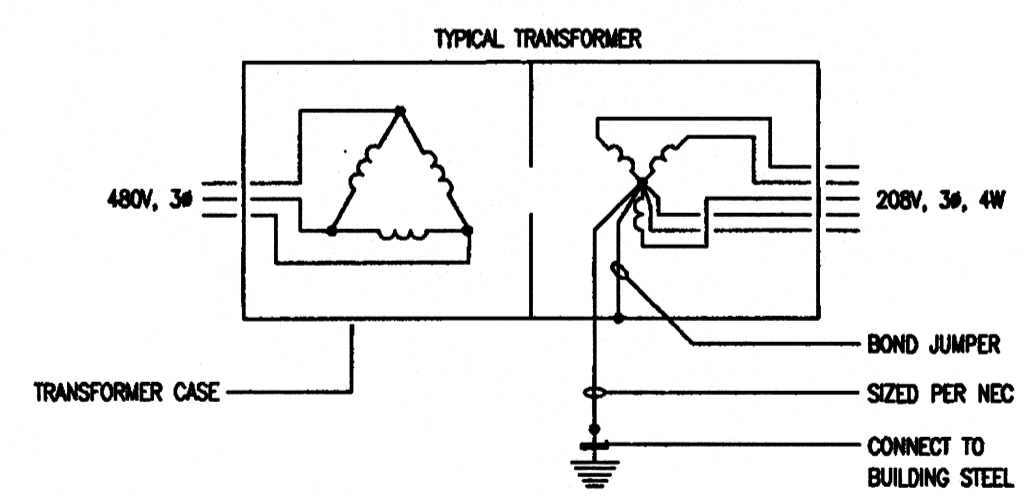
- PROVIDE ELECTRONIC BALLAST, ADVANCE MARK 5 OR MOTOROLA, <10% HD.
- WALL MOUNT 7'-0" A.F.F.
- PROVIDE BODINE B50ST EMERGENCY BALLAST WHERE INDICATED.
- PROVIDE SINGLE OR DOUBLE FACE AS INDICATED, WALL OR CEILING MOUNTED.
- REFER TO LIGHTING PLAN FOR EXACT LOCATIONS AND SPACINGS.
- MOUNT TO AVOID EQUIPMENT. CHAIN HUNG AT 8'-0" A.F.F.



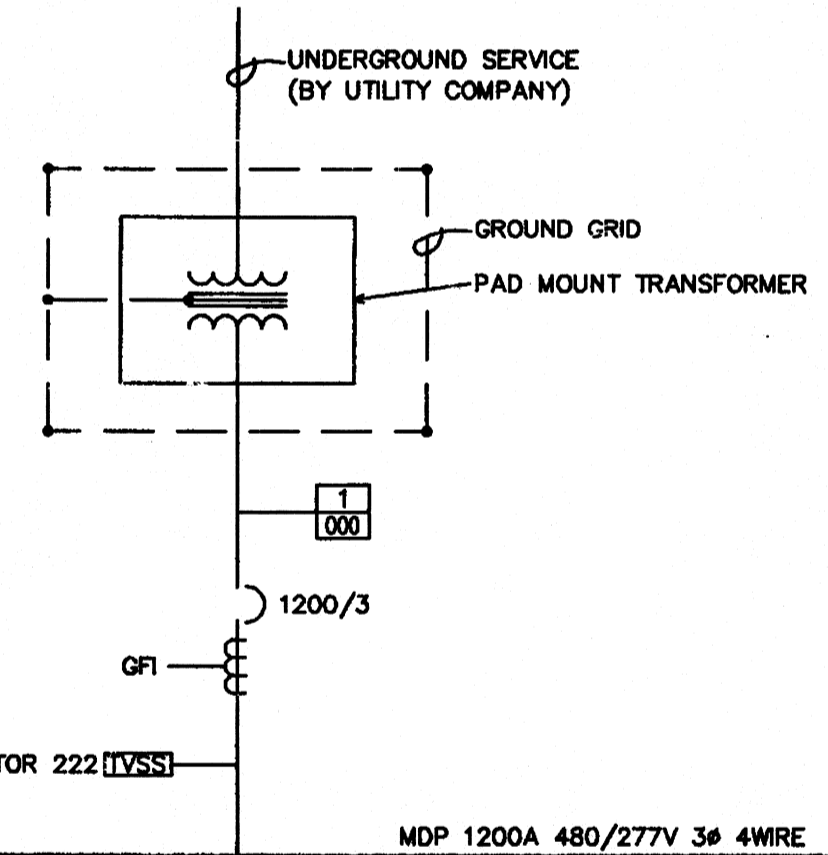
1 TYPICAL PHONE OR DATA OUTLET
E-5 NTS



2 TRANSFORMER CONDUIT INSTALLATION
E-5 NTS

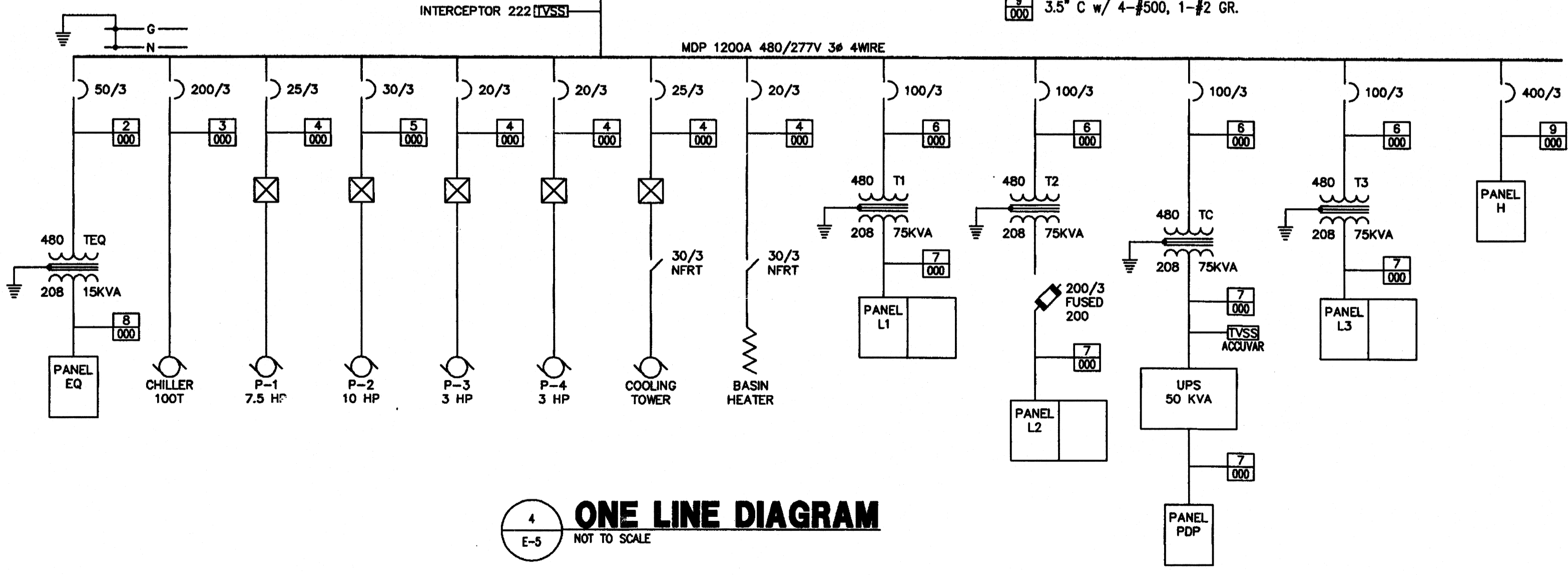


3 TRANSFORMER GROUNDING DETAIL
E-5 NTS



ONE-LINE FEEDER SCHEDULE

- 1 4-3.5" C w/ 4-#500, 1-#3/0 GR.
- 2 3/4" C w/ 3-#10
- 3 2.5" C w/ 4-#3/0, 1-#6 GR.
- 4 3/4" C w/ 3-#12, 1-#12 GR.
- 5 3/4" C w/ 3-#10, 1-#10 GR.
- 6 1.5" C w/ 3#1
- 7 2.5" C w/ 4-#4/0, 1-#4 GR.
- 8 2" C w/ 4-#1, 1-#6 GR.
- 9 3.5" C w/ 4-#500, 1-#2 GR.

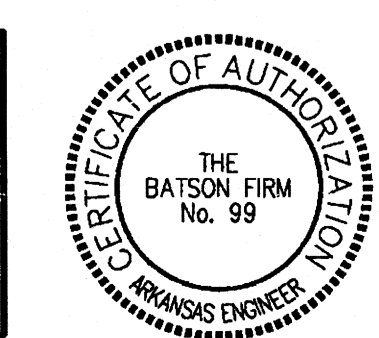


4 ONE LINE DIAGRAM
E-5 NOT TO SCALE

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Project Title
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 NEW COMPUTER SERVICES AND
 TELECOMMUNICATIONS CENTER**
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Seal:

Rev.No	Rev. Date	Commission No.
1	1-26-97	
2	5-25-2000	
3		
4		

Drawing No. **E-5**

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