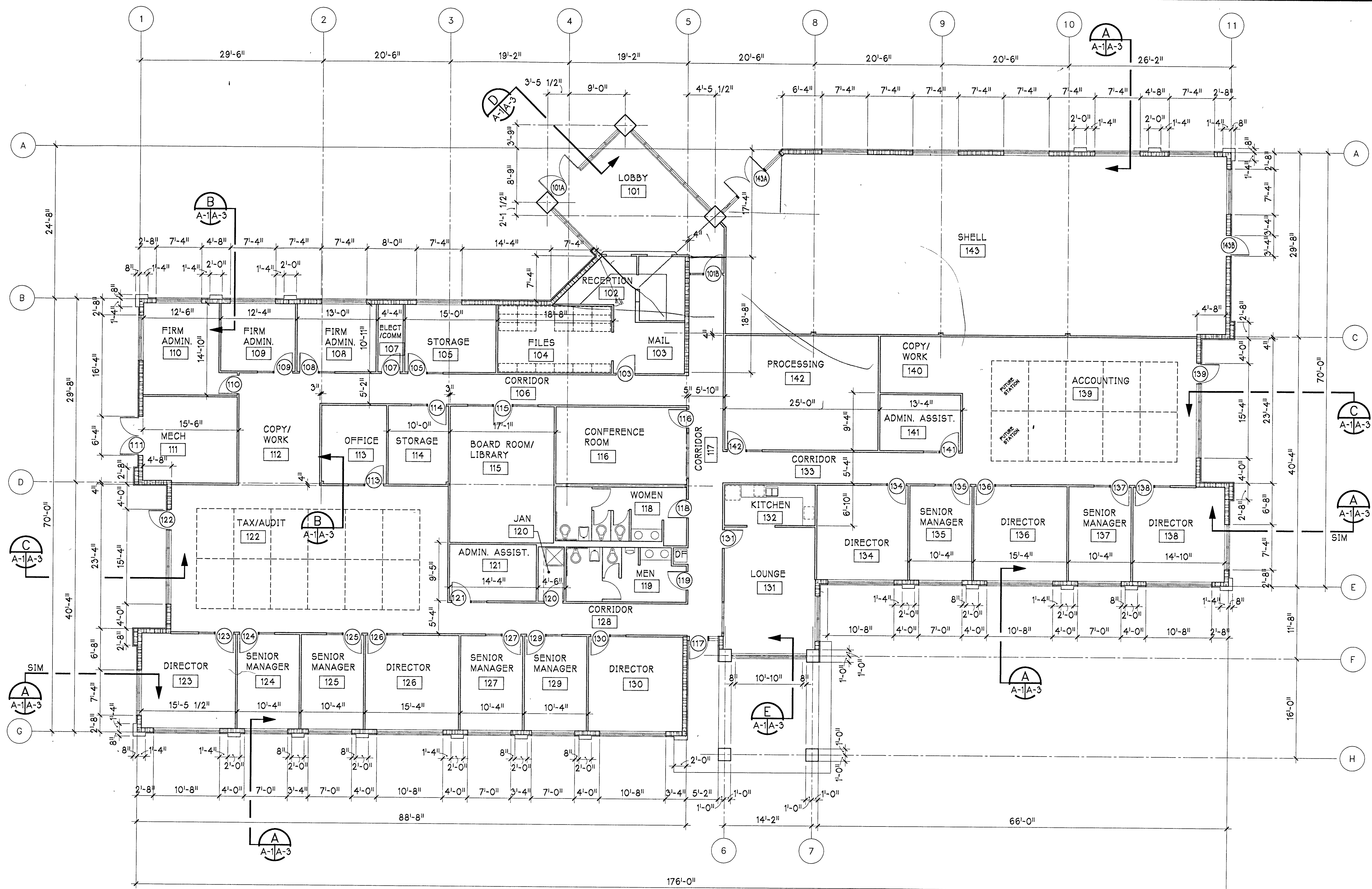


FLOOR PLAN
 1/8" = 1'-0"
 [North Arrow]

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 MAR. 2, 1994

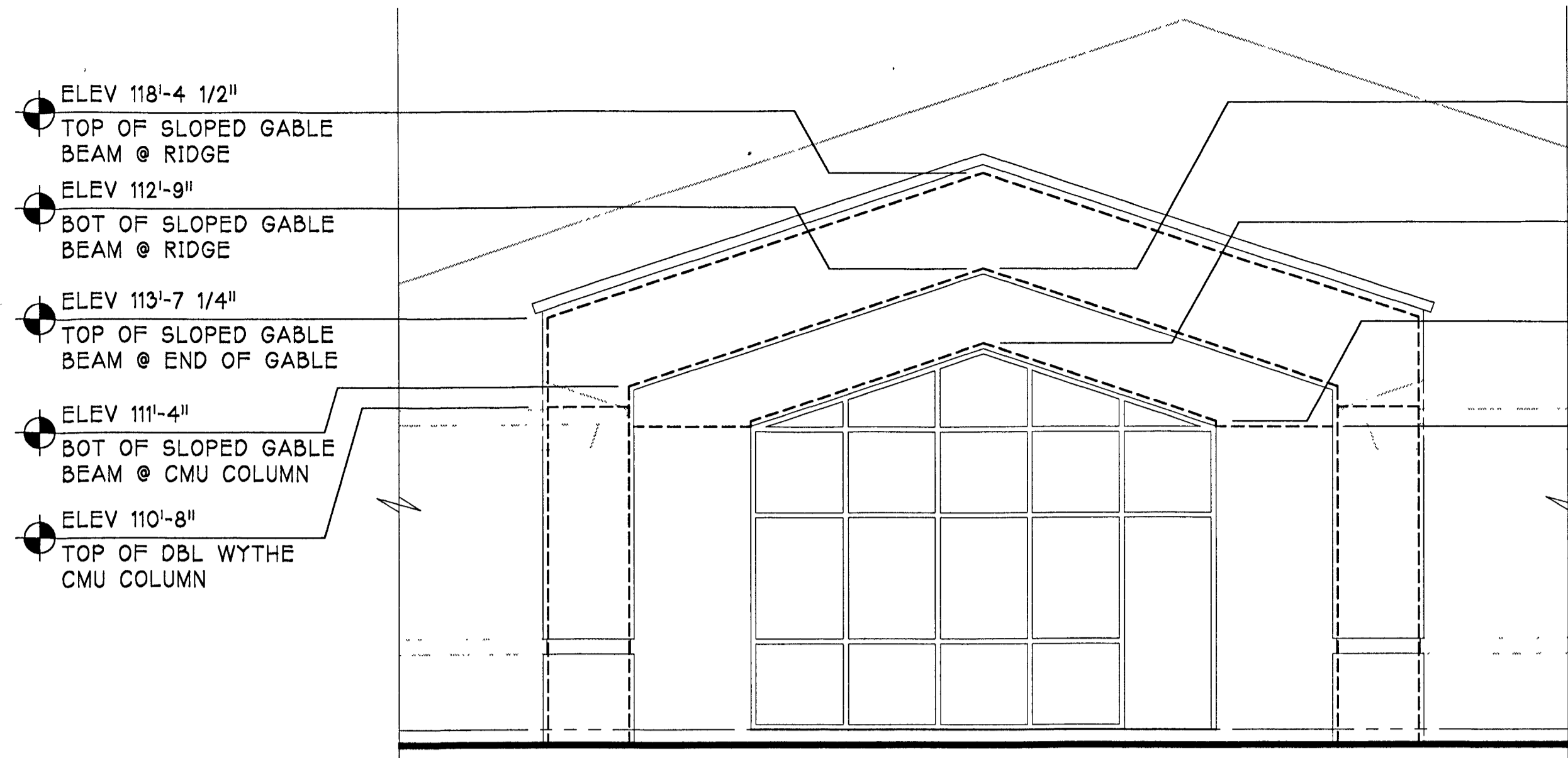
BY	CHK	
DATE	REVISION	
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HOYMAN, DOBSON & COMPANY FLOOR PLAN		
DATE		
DESIGNED BY	SMITH	
DRAWN BY		
CHECKED BY	THRON	
CAD CODE	3605 01A1	
PROJECT NO	3605 01	
DRAWING NO	A-1	
SHEET	OF	



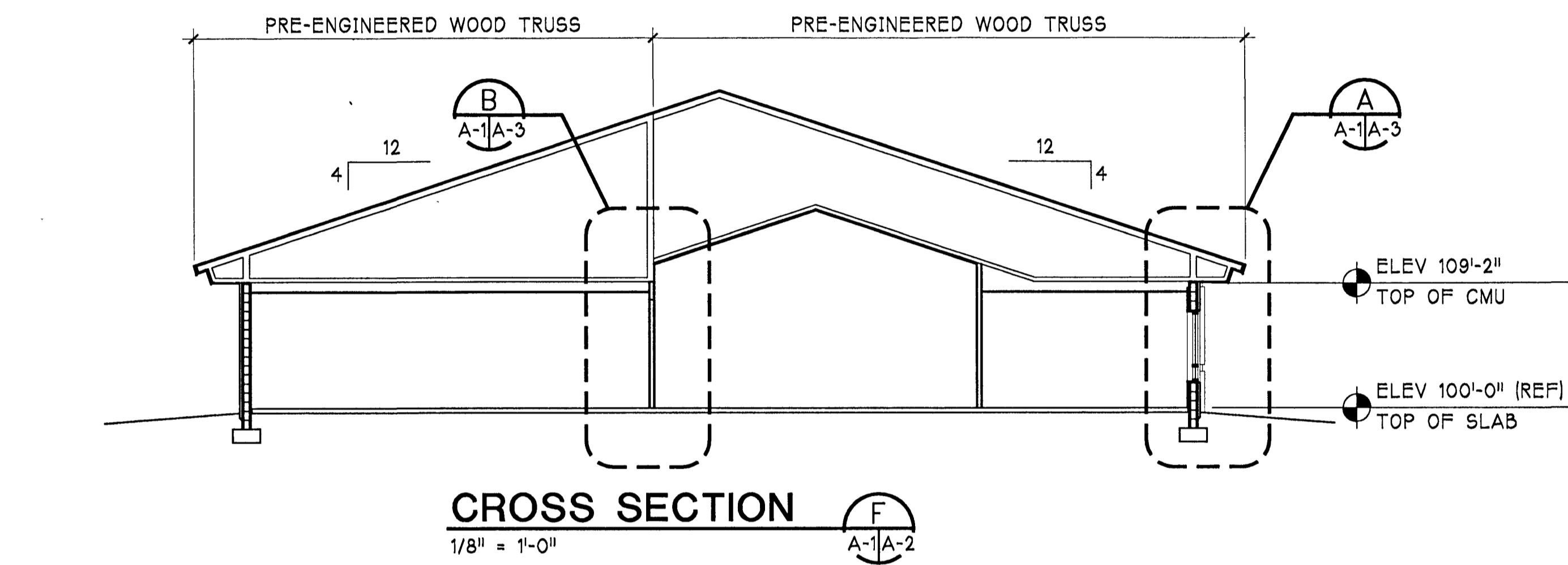
FLOOR PLAN
 1/8" = 1'-0"

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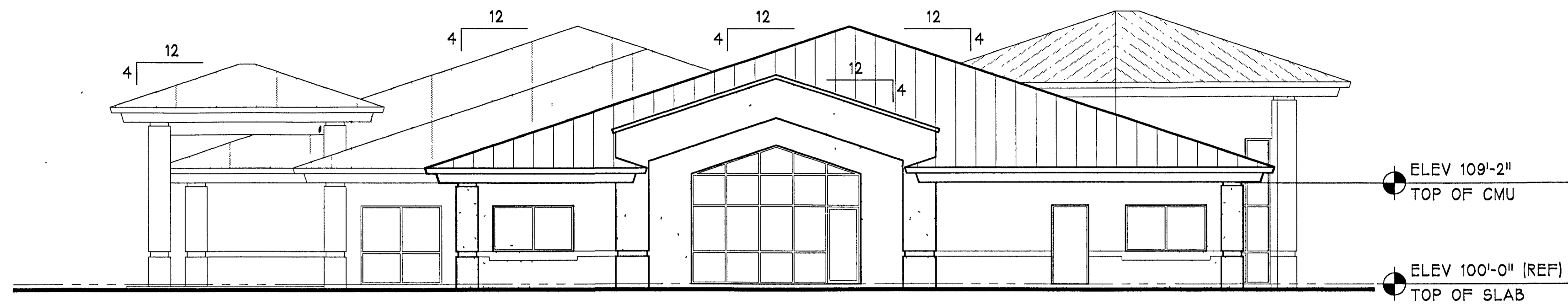
BY	CHK	
DATE	REVISION	
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<p>OFFICE BUILDING MELBOURNE, FLORIDA HOYMAN, DOBSON & COMPANY FLOOR PLAN</p>		
DATE	DESIGNED BY	SMITH
	DRAWN BY	
	CHECKED BY	THRON
	CAD CODE	3605.01A1
	PROJECT NO.	3605.01
	DRAWING NO.	A-1
	SHEET	OF



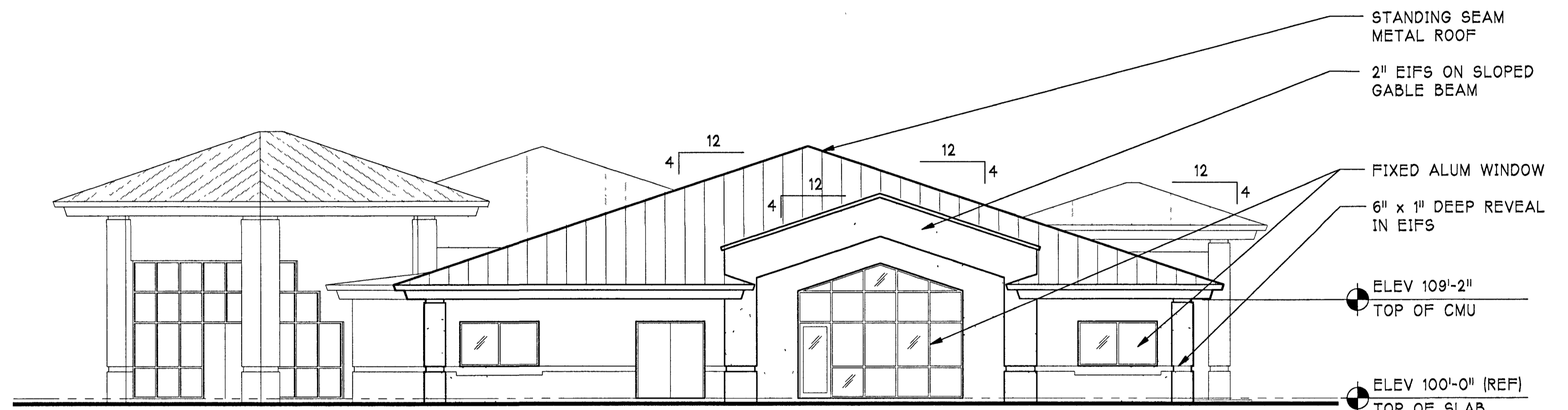
PARTIAL EAST ELEVATION -SHOWING SLOPED GABLE BEAM & SLOPED WINDOW HEADER BEAM
 1/4" = 1'-0" (WEST ELEVATION IS OPPOSITE HAND)



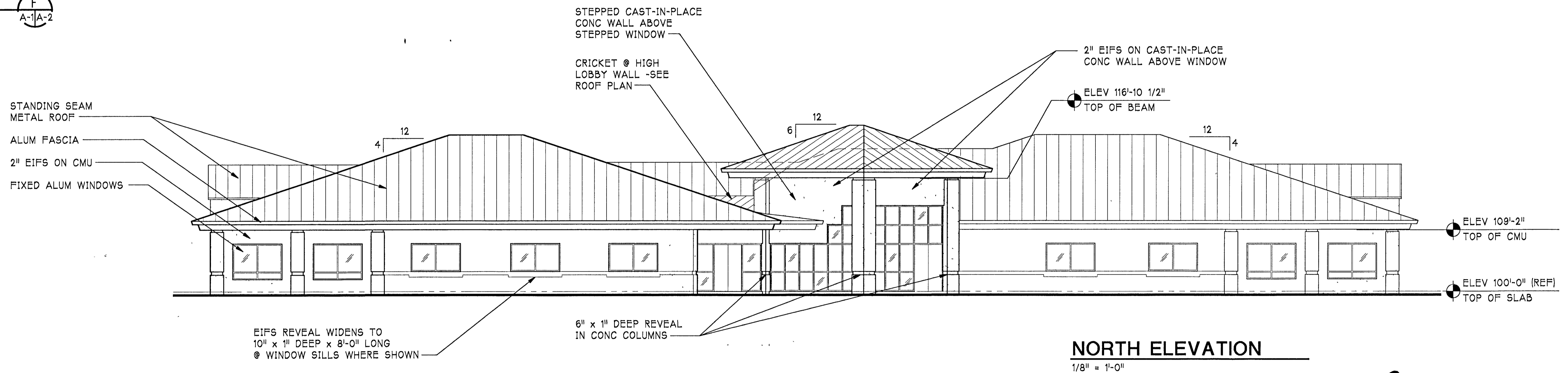
CROSS SECTION
 1/8" = 1'-0"



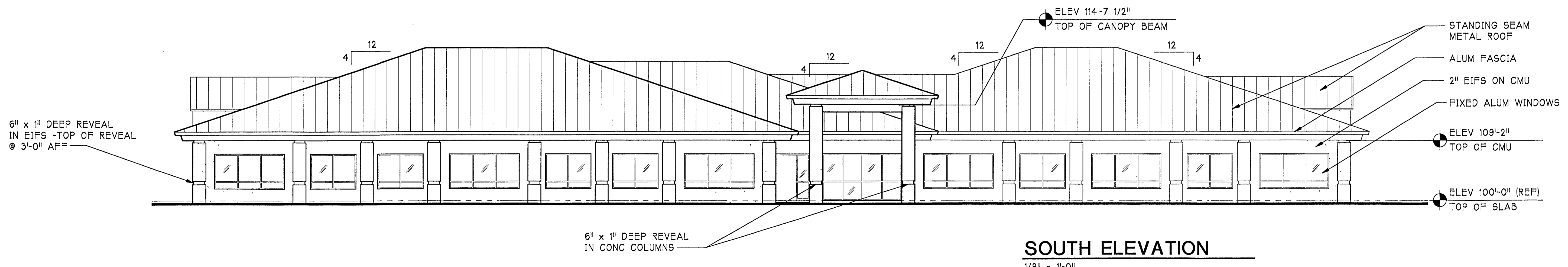
EAST ELEVATION
 1/8" = 1'-0"



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



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

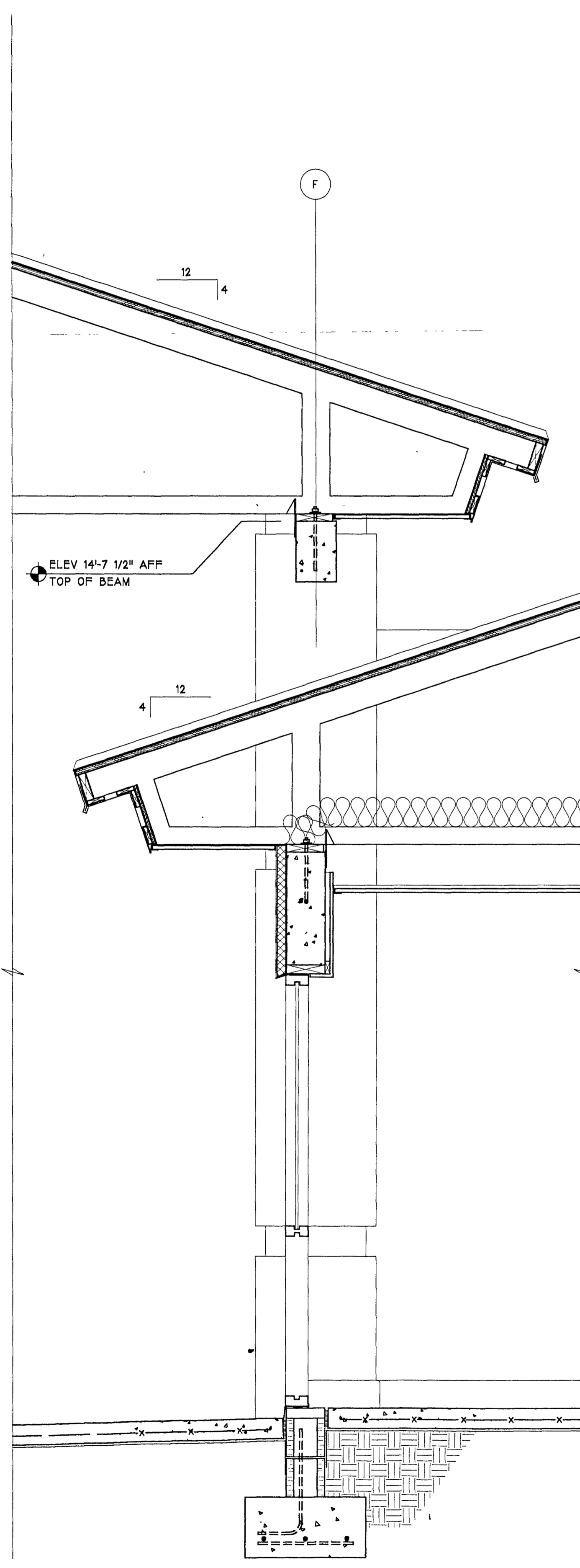


SOUTH ELEVATION
 1/8" = 1'-0"

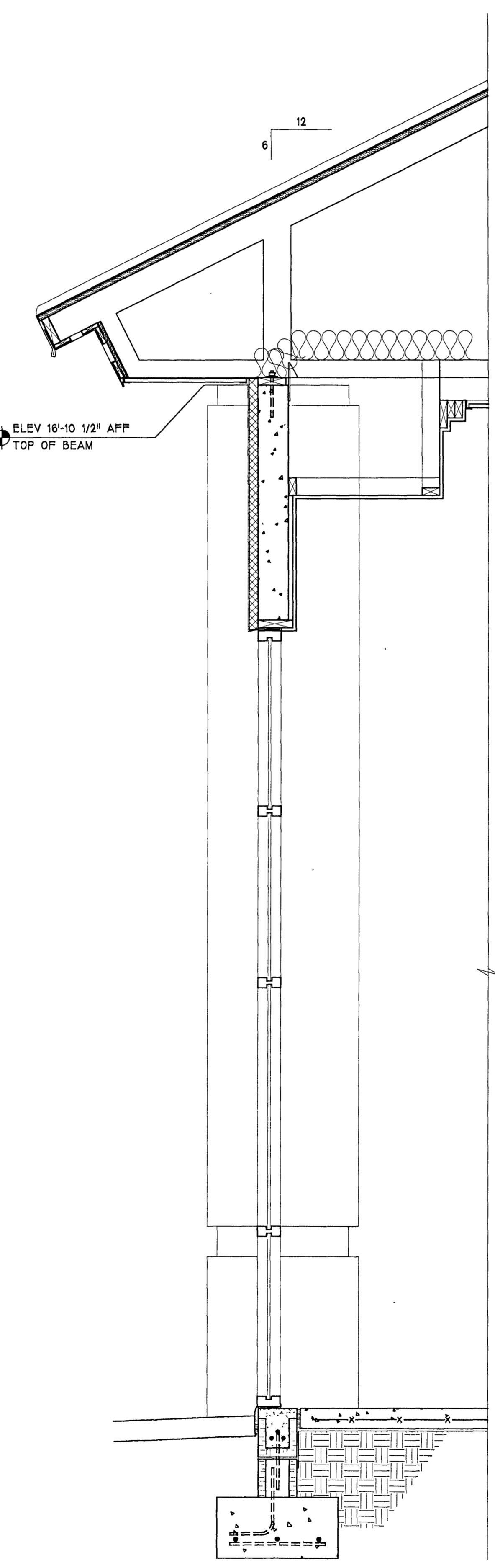
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REVISION		
DATE		
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HOYMAN, DOBSON & COMPANY OFFICE BUILDING MELBOURNE, FLORIDA ELEVATIONS & CROSS SECTION		
DATE		
DESIGNED BY	SMITH	
DRAWN BY	SMITH	
CHECKED BY	THRON	
CAD CODE	3605.01A2	
PROJECT NO.	3605.01	
DRAWING NO.	A-2	
SHEET	OF	

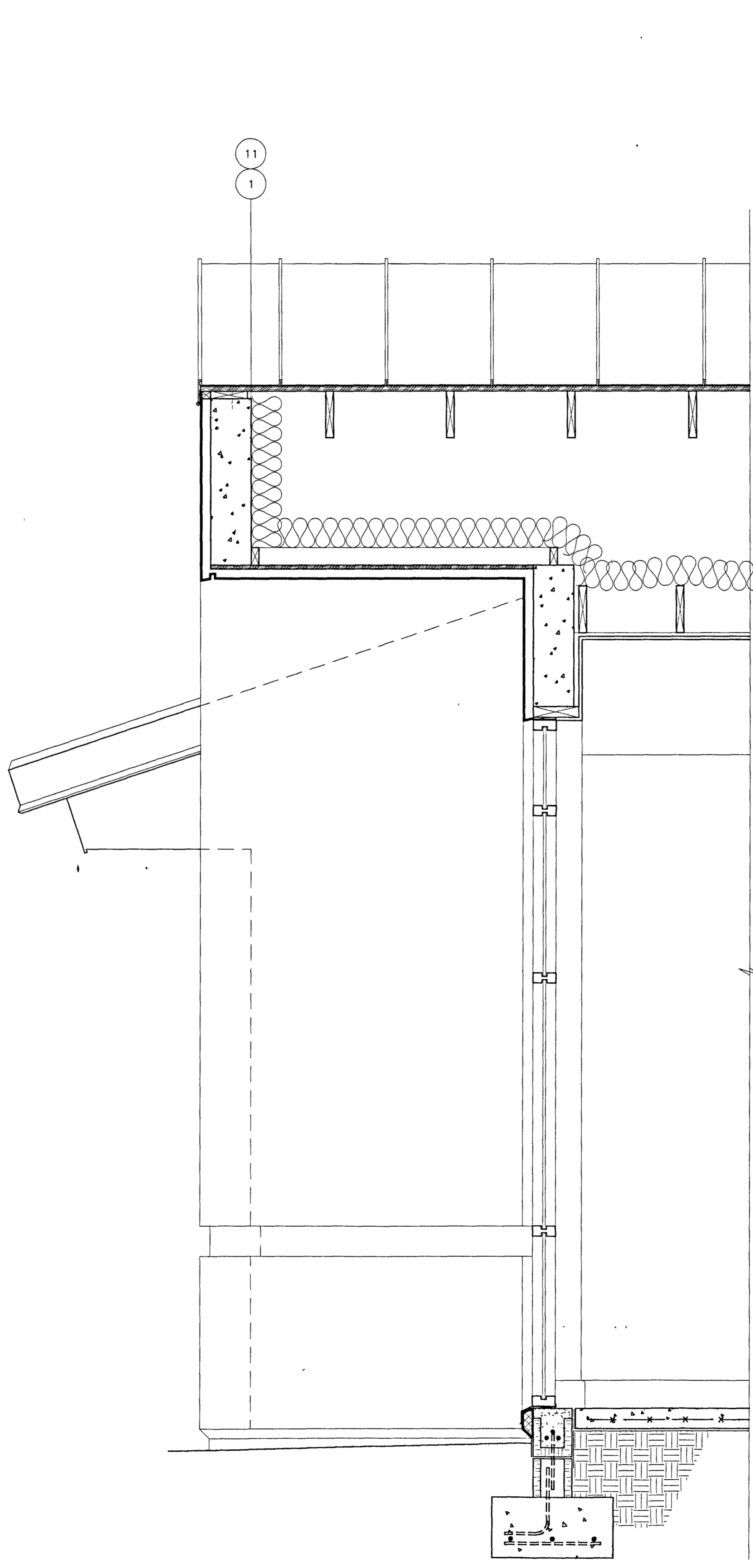
E
D
C
B
A



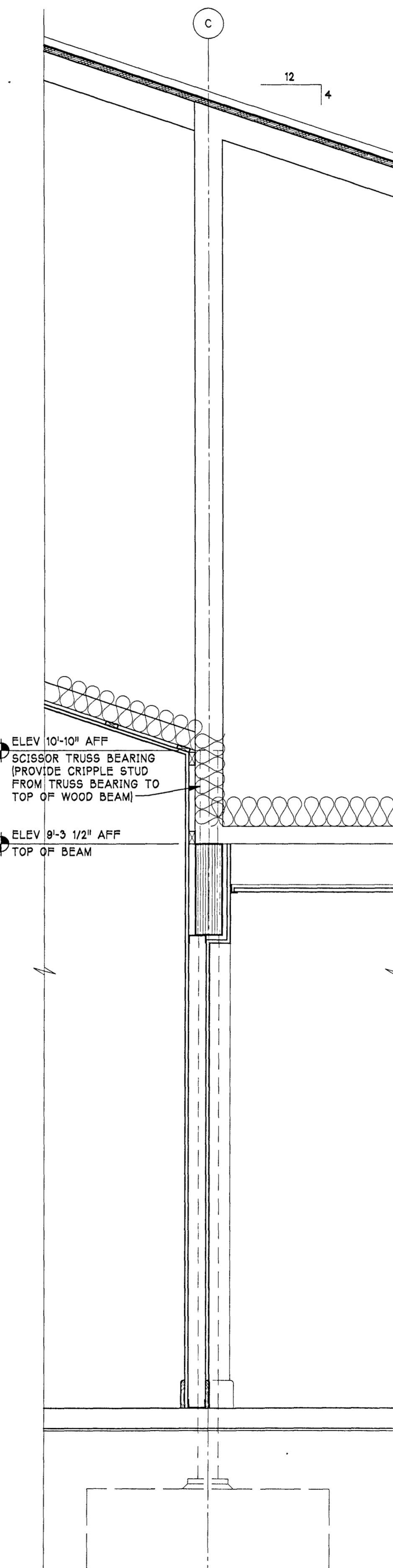
SECTION E
3/4" = 1'-0"



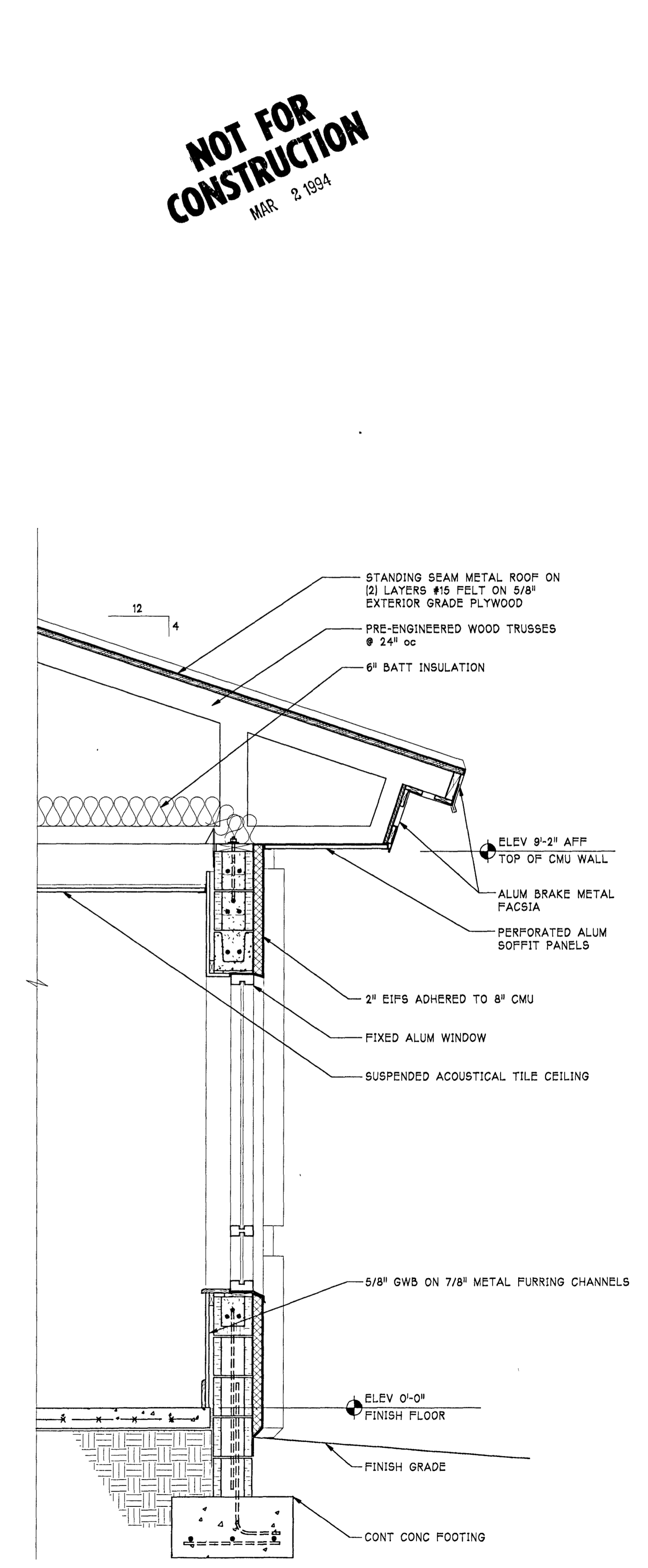
SECTION D
3/4" = 1'-0"



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



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



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

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- STANDING SEAM METAL ROOF ON
- (2) LAYERS #15 FELT ON 5/8" EXTERIOR GRADE PLYWOOD
- PRE-ENGINEERED WOOD TRUSSES @ 24" oc
- 6" BATT INSULATION
- ELEV 9'-2" AFF TOP OF CMU WALL
- ALUM BRAKE METAL FACIA
- PERFORATED ALUM SOFFIT PANELS
- 2" EIFS ADHERED TO 8" CMU
- FIXED ALUM WINDOW
- SUSPENDED ACOUSTICAL TILE CEILING
- 5/8" GWS ON 7/8" METAL FURRING CHANNELS
- ELEV 0'-0" AFF FINISH FLOOR
- FINISH GRADE
- CONT CONC FOOTING

BY	CHK	
REVISION		
DATE		
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OFFICE BUILDING MELBOURNE, FLORIDA HOYMAN, DOBSON & COMPANY WALL SECTIONS		
DATE	2-21-84	
DESIGNED BY	SMITH	
DRAWN BY	SMITH	
CHECKED BY	THRON	
CAD CODE	3605.01A3	
PROJECT NO.	3605.01	
DRAWING NO.	A-3	
SHEET	OF	

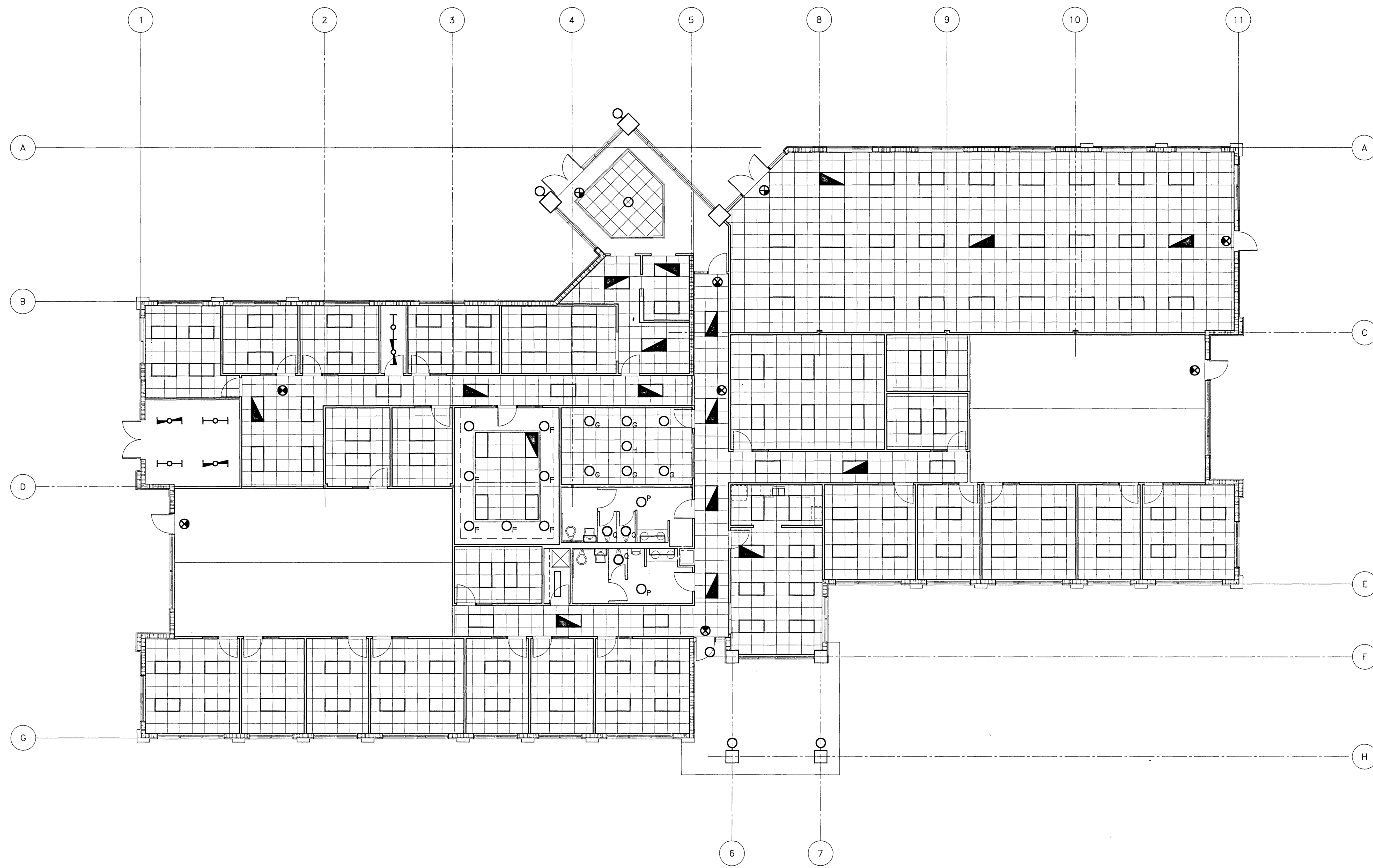
5

4

3

2

1



REFLECTED CEILING PLAN

1/8" = 1'-0"



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MAR. 2 1994

OFFICE BUILDING
MELBOURNE, FLORIDA
HOYMAN, DOBSON & COMPANY
REFLECTED CEILING PLAN & DETAILS

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DATE	2-21-74
DESIGNED BY	SMITH
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CHECKED BY	THRON
CAD CODE	3605.01A6
PROJECT NO.	3605.01
DRAWING NO.	A-5
SHEET	OF

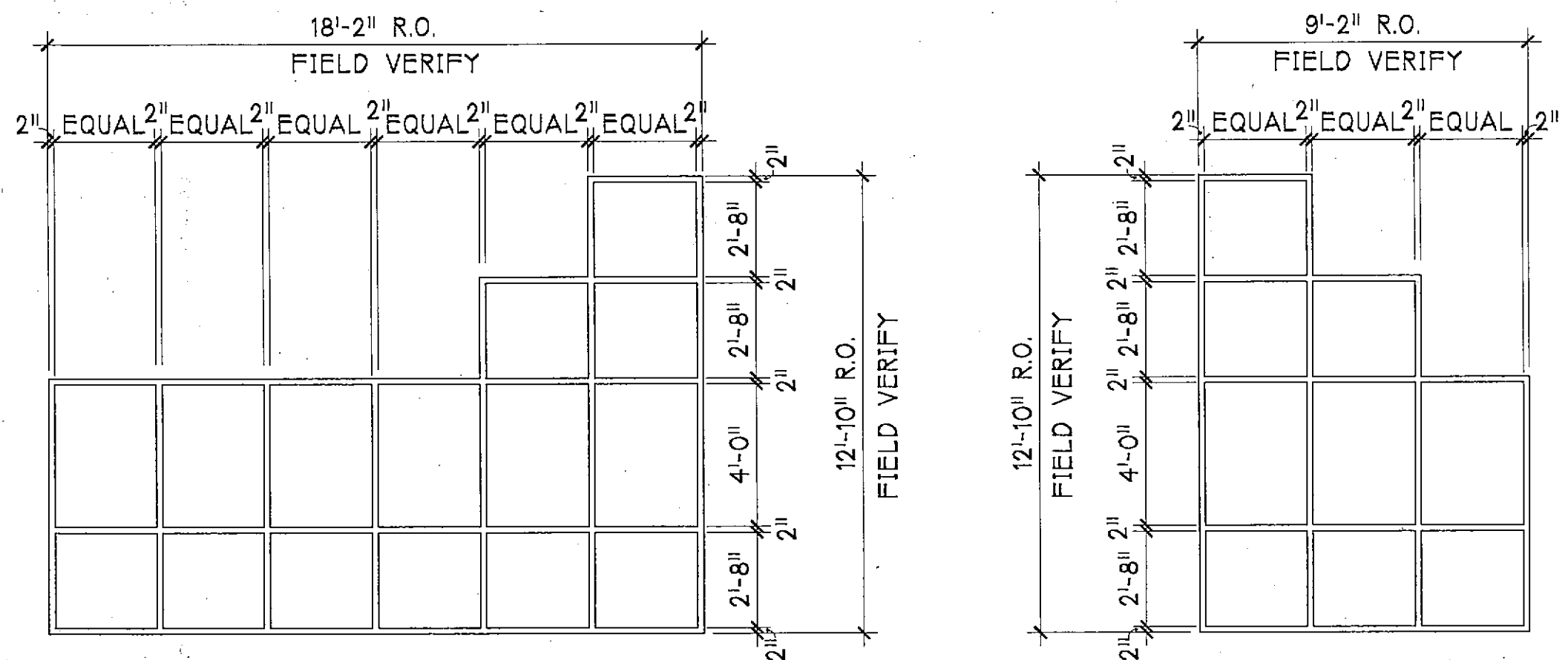
REVISION	DATE	BY	CHK

FINISH SCHEDULE

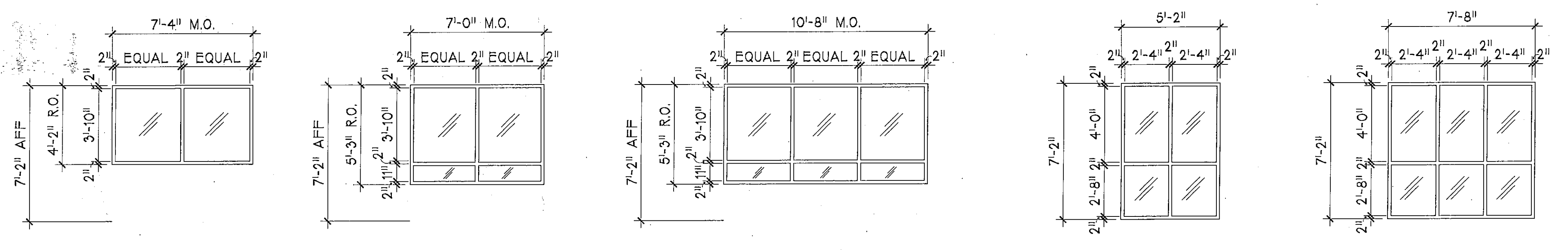
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	REMARKS
				NORTH	EAST	SOUTH	WEST			
101	LOBBY		CARPET	WOOD	GWB	GWB	GWB	GWB/ACT	15'-0"	
102	RECEPTION		CARPET	WOOD	GWB	GWB	GWB	ACT	8'-6"	
103	MAIL		CARPET	WOOD	GWB	GWB	GWB	ACT	8'-6"	
104	FILES		CARPET	WOOD	GWB	GWB	GWB	ACT	8'-6"	
105	STORAGE		CARPET	WOOD	GWB	GWB	GWB	ACT	8'-6"	
106	CORRIDOR		CARPET	WOOD	GWB	-	GWB	-	ACT	8'-6"
107	ELECT/COMMUNICATIONS		VCT	VINYL	GWB	GWB	GWB	GWB	ACT	8'-6"
108	FIRM ADMINISTRATION		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
109	FIRM ADMINISTRATION		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
110	FIRM ADMINISTRATION		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
111	MECHANICAL		CONC	VINYL	GWB	GWB	GWB/CMU	CMU	STRUCT	-
112	COPY/WORK		CARPET	WOOD	GWB	GWB	-	GWB	ACT	8'-6"
113	OFFICE		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
114	STORAGE		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
115	BOARD ROOM/LIBRARY		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
116	CONFERENCE ROOM		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
117	CORRIDOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
118	WOMEN		CT	CT	GWB	GWB	GWB	GWB	9'-2"	
119	MEN		CT	CT	GWB	GWB	GWB	GWB	9'-2"	
120	JANITOR		VCT	VINYL	GWB	GWB	GWB	GWB	9'-2"	
121	ADMIN ASSISTANT		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
122	TAX/AUDIT		CARPET	WOOD	GWB	GWB	GWB	GWB	VARIES	
123	DIRECTOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
124	SENIOR MANAGER		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
125	SENIOR MANAGER		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
126	DIRECTOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
127	SENIOR MANAGER		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
128	SENIOR MANAGER		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
129	CORRIDOR		CARPET	WOOD	GWB	-	GWB	-	ACT	8'-6"
130	DIRECTOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
131	LOUNGE		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
132	KITCHEN		VCT	VINYL	GWB	GWB	GWB	GWB	ACT	8'-6"
133	CORRIDOR		CARPET	WOOD	GWB	-	GWB	-	ACT	8'-6"
134	DIRECTOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
135	SENIOR MANAGER		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
136	DIRECTOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
137	SENIOR MANAGER		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
138	DIRECTOR		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
139	ACCOUNTING		CARPET	WOOD	GWB	GWB	GWB	GWB	VARIES	
140	COPY/WORK		CARPET	WOOD	GWB	-	GWB	-	ACT	8'-6"
141	ADMIN ASSISTANT		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
142	PROCESSING		CARPET	WOOD	GWB	GWB	GWB	GWB	ACT	8'-6"
143	SHELL		-	-	GWB	GWB	GWB	GWB	ACT	8'-6"

DOOR SCHEDULE

DOOR #	DOOR			FRAME		LOUVER		THRESH	LABEL	DETAILS			HDW. #	REMARKS
	SIZE	THK.	TYPE	MAT'L	TYPE	MAT'L	DEPTH			MAT'L	DEPTH	H		
101A	3'-0" x 7'-0"	1 3/4"		AL/GL		AL								
101B	3'-0" x 7'-0"	1 3/4"		WD		HM								
103	3'-0" x 7'-0"	1 3/4"		WD		HM								
105	3'-0" x 7'-0"	1 3/4"		WD		HM								
107	3'-0" x 7'-0"	1 3/4"		WD		HM								
108	3'-0" x 7'-0"	1 3/4"		WD		HM								
109	3'-0" x 7'-0"	1 3/4"		WD		HM								
110	3'-0" x 7'-0"	1 3/4"		WD		HM								
111	3'-0" x 7'-0"	1 3/4"		HM		HM								
113	3'-0" x 7'-0"	1 3/4"		WD		HM								
114	3'-0" x 7'-0"	1 3/4"		WD		HM								
115	3'-0" x 7'-0"	1 3/4"		WD		HM								
116	3'-0" x 7'-0"	1 3/4"		WD		HM								
117	3'-0" x 7'-0"	1 3/4"		AL/GL		AL								
118	3'-0" x 7'-0"	1 3/4"		WD		HM								
119	3'-0" x 7'-0"	1 3/4"		WD		HM								
120	3'-0" x 7'-0"	1 3/4"		WD		HM								
121	3'-0" x 7'-0"	1 3/4"		WD		HM								
122	2'-10" x 7'-0"	1 3/4"		AL/GL		AL								
123	3'-0" x 7'-0"	1 3/4"		WD		HM								
124	3'-0" x 7'-0"	1 3/4"		WD		HM								
125	3'-0" x 7'-0"	1 3/4"		WD		HM								
126	3'-0" x 7'-0"	1 3/4"		WD		HM								
127	3'-0" x 7'-0"	1 3/4"		WD		HM								
128	3'-0" x 7'-0"	1 3/4"		WD		HM								
130	3'-0" x 7'-0"	1 3/4"		WD		HM								
131	3'-0" x 7'-0"	1 3/4"		WD		HM								
134	3'-0" x 7'-0"	1 3/4"		WD		HM								
135	3'-0" x 7'-0"	1 3/4"		WD		HM								
136	3'-0" x 7'-0"	1 3/4"		WD		HM								
137	3'-0" x 7'-0"	1 3/4"		WD		HM								
138	3'-0" x 7'-0"	1 3/4"		WD		HM								
139	2'-10" x 7'-0"	1 3/4"		AL/GL		AL								
141	3'-0" x 7'-0"	1 3/4"		WD		HM								
142	3'-0" x 7'-0"	1 3/4"		WD		HM								
143A	PR. 3'-0" x 7'-0"	1 3/4"		AL/GL		AL								
143B	3'-0" x 7'-0"	1 3/4"		HM		HM								

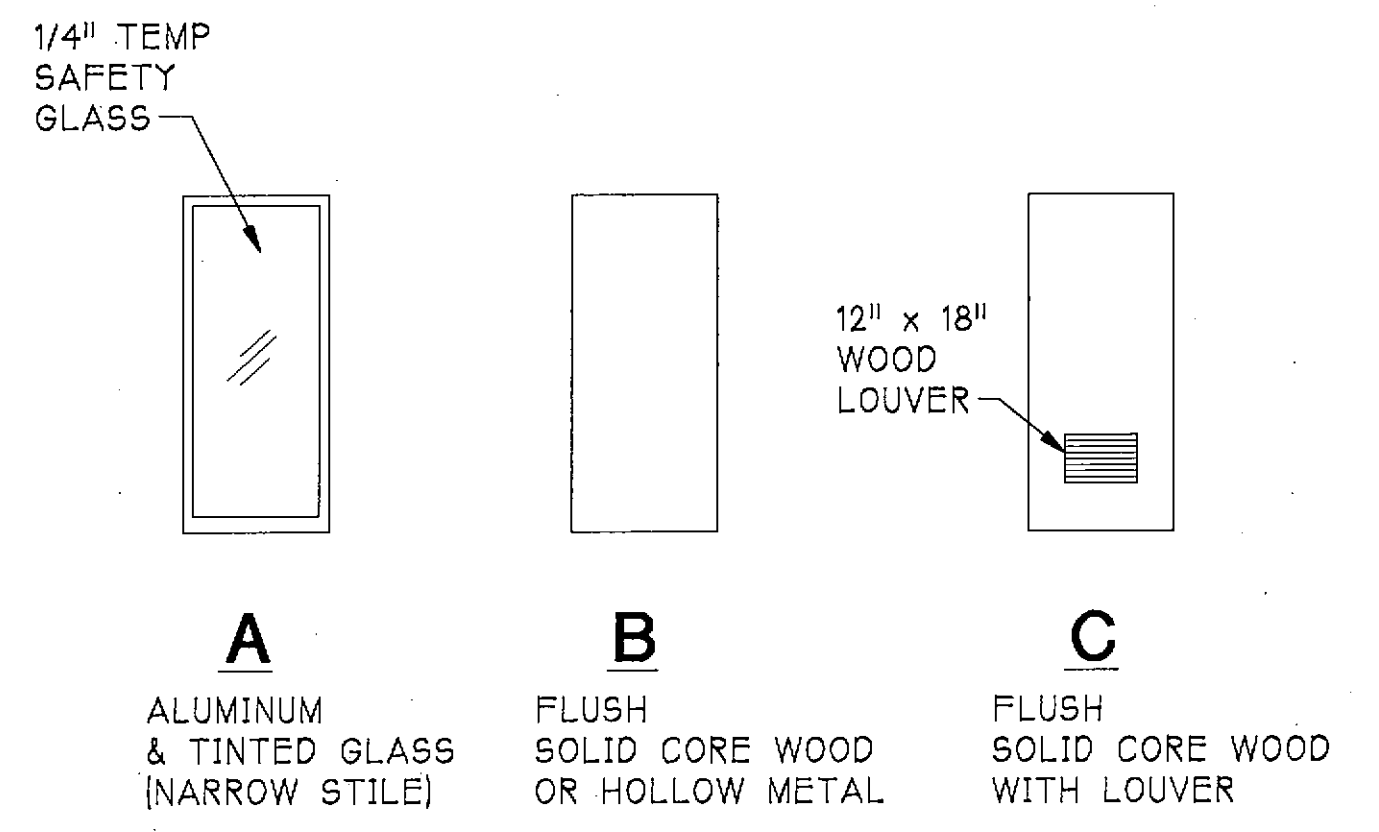


ALUM W/ TINTED GLASS
 BOTTOM (6) PANELS: 1/4" TEMP SAFETY GLASS
 ALL OTHER PANELS: 1/4" PLATE GLASS

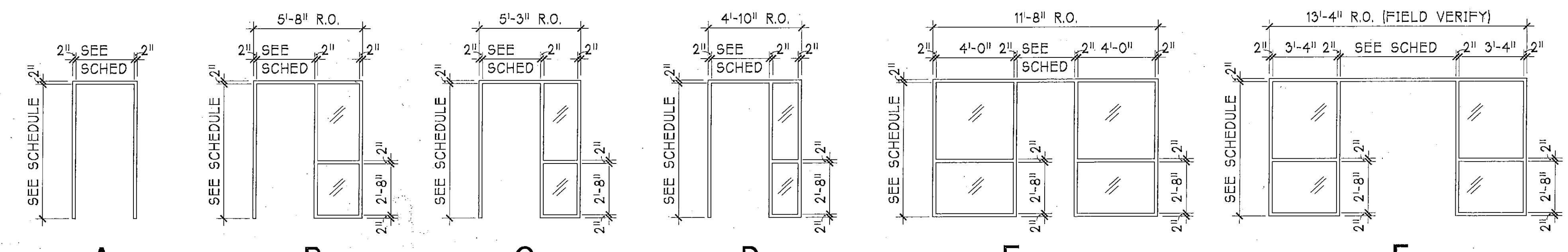


WINDOW SCHEDULE

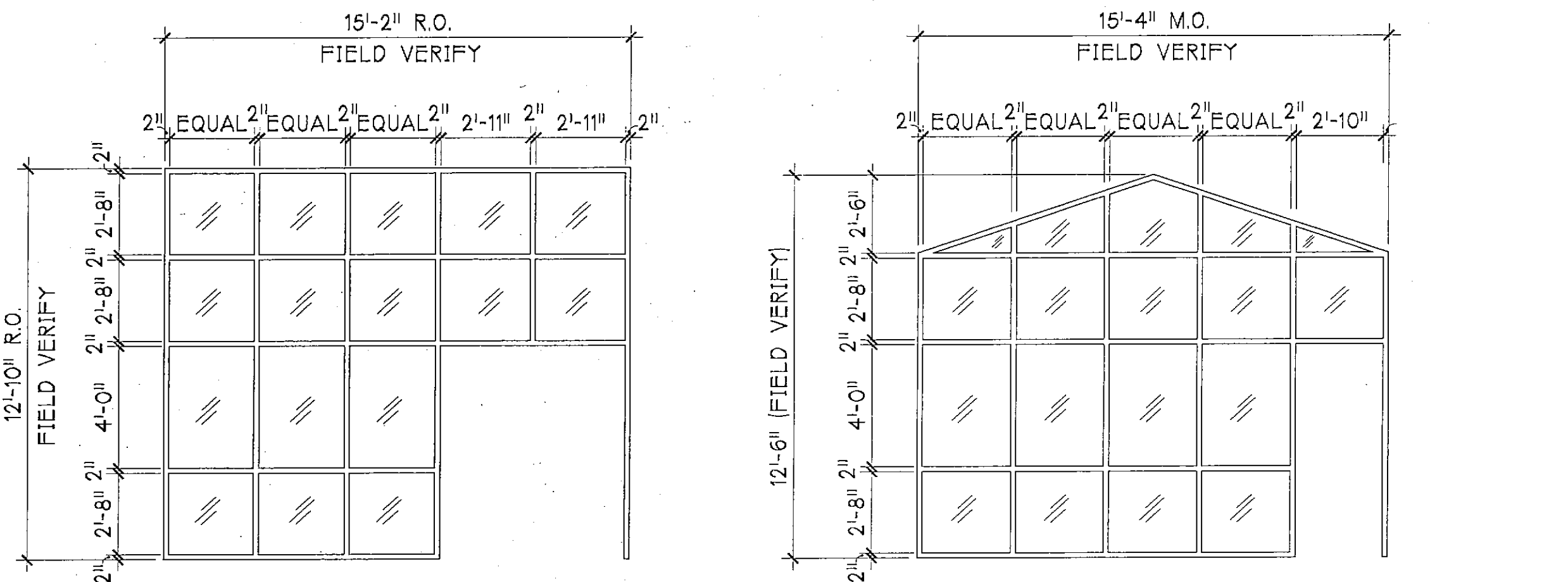
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DOOR TYPES



SIDLIGHTS FOR FRAMES B, C, D, E & F: UPPER PANEL 1/4" PLATE GLASS, LOWER PANEL 1/4" TEMP SAFETY GLASS



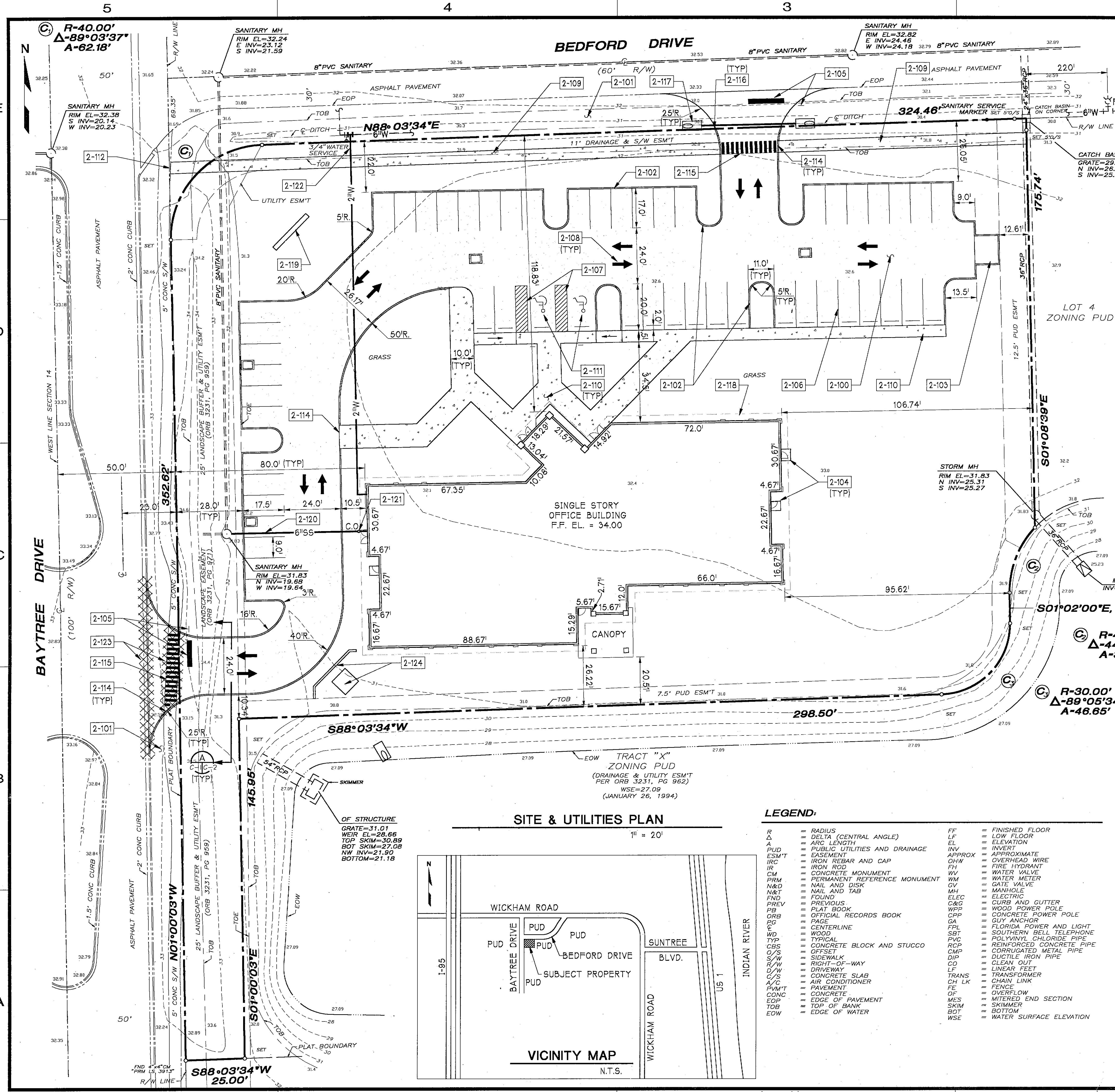
ALUMINUM
 (3) BOTTOM PANELS: 1/4" TEMP SAFETY GLASS (TINTED)
 ALL OTHER PANELS: 1/4" PLATE GLASS (TINTED)

FRAME TYPES

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 MELBOURNE, FLORIDA 32840
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OFFICE BUILDING
 MELBOURNE, FLORIDA
 HOYMAN, DOBSON & COMPANY
 SCHEDULES & DETAILS

DATE
 DESIGNED BY SMITH
 DRAWN BY SMITH
 CHECKED BY THRON
 CAD CODE 3605.01A6
 PROJECT NO. 3605.01
 DRAWING NO. A-6
 SHEET OF



GENERAL NOTES:

- GENERAL STATEMENT: THE 2.112 ACRE OFFICE BUILDING SITE IS PROPOSED TO BE DEVELOPED WITH A 12,000 S.F. BUILDING AND RELATED PARKING, CITY WATER AND COUNTY SEWER. THE PROPOSED BUILDING IS CONCRETE BLOCK CONSTRUCTION WITH WOOD FRAME ROOF.
- LEGAL DESCRIPTION: LOT 14, BAYTREE CORPORATE PARK, AS RECORDED IN PLAT BOOK 39, PAGE 50 OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA, SECTION 14, TOWNSHIP 26 S, RANGE 36 E.
- ZONING: PUD
- ROOF EAVE HEIGHT = 20'
- OWNER OF RECORD: HOYMAN, DOBSON & COMPANY
6767 N. WICKHAM ROAD
MELBOURNE, FLORIDA 32940
(407) 255-0088
- ENGINEER OF RECORD: BRPH ARCHITECTS-ENGINEERS, INC.
3275 SUNTREE BOULEVARD
MELBOURNE, FLORIDA 32940
(407) 254-7666
- DATA TABULATION:
 - GROSS ACREAGE OF SITE = 2.112 ACRES
GROSS S.F. OF SITE = 91,999 S.F.
 - ONE STRUCTURE PROPOSED, OFFICE BUILDING, CONCRETE BLOCK CONSTRUCTION WITH WOOD FRAME ROOF.
 - FLOOR AREA: 12,000 S.F. OFFICE AREA
 - PERCENT OF SITE COVERED BY STRUCTURE:
12,000 S.F./91,999 S.F. x 100% = 13.04%
PERCENT OF SITE COVERED BY IMPERVIOUS AREAS:
28,502 S.F./91,999 S.F. x 100% = 30.98%
 - PARKING:
REQUIRED: 1 PER 250 S.F. OFFICE AREA
12,000 S.F./250 S.F. = 48 SPACES
PROVIDED: 52 SPACES (INCLUDING 2 HANDICAP)

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MAR 2 1994

GENERAL NOTES & CONDITIONS:

- NOTES FOR THE SOIL & EROSION CONTROL PERMIT:
- THE CONTRACTOR SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO CONTROL WIND AND WATER EROSION OF THE SOIL ON SITE.
 - THE CONTRACTOR SHALL CONTROL EXCESSIVE RUNOFF FROM THE PROJECT BY EXCAVATING THE PROPOSED RETENTION AREA DURING THE PRELIMINARY CLEARING AND GRUBBING OPERATION OF THE PROJECT.
 - TYPE 1 HAY BALE BARRIERS SHALL BE USED AT THE SITE TO PREVENT EROSION FROM STORMWATER DISCHARGE AND TO PREVENT STORMWATER RUNOFF FROM ENTERING ONTO ADJACENT PROPERTIES. THESE HAY BALES SHALL BE PLACED IN ACCORDANCE WITH F.D.O.T. INDEX #103.
 - SHOULD THE SITE BECOME EXCESSIVELY DRY, AND WIND AND SOIL EROSION BECOME PREVALENT AND A NUISANCE TO THE COMMUNITY, THE CONTRACTOR SHALL WATER AND/OR MULCH THE AREA, AND/OR PROVIDE FENCING AS NECESSARY.
 - IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO COMPLY WITH ANY AND ALL ADDITIONAL FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCY REQUIREMENTS AND TO OBTAIN ANY AND ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.

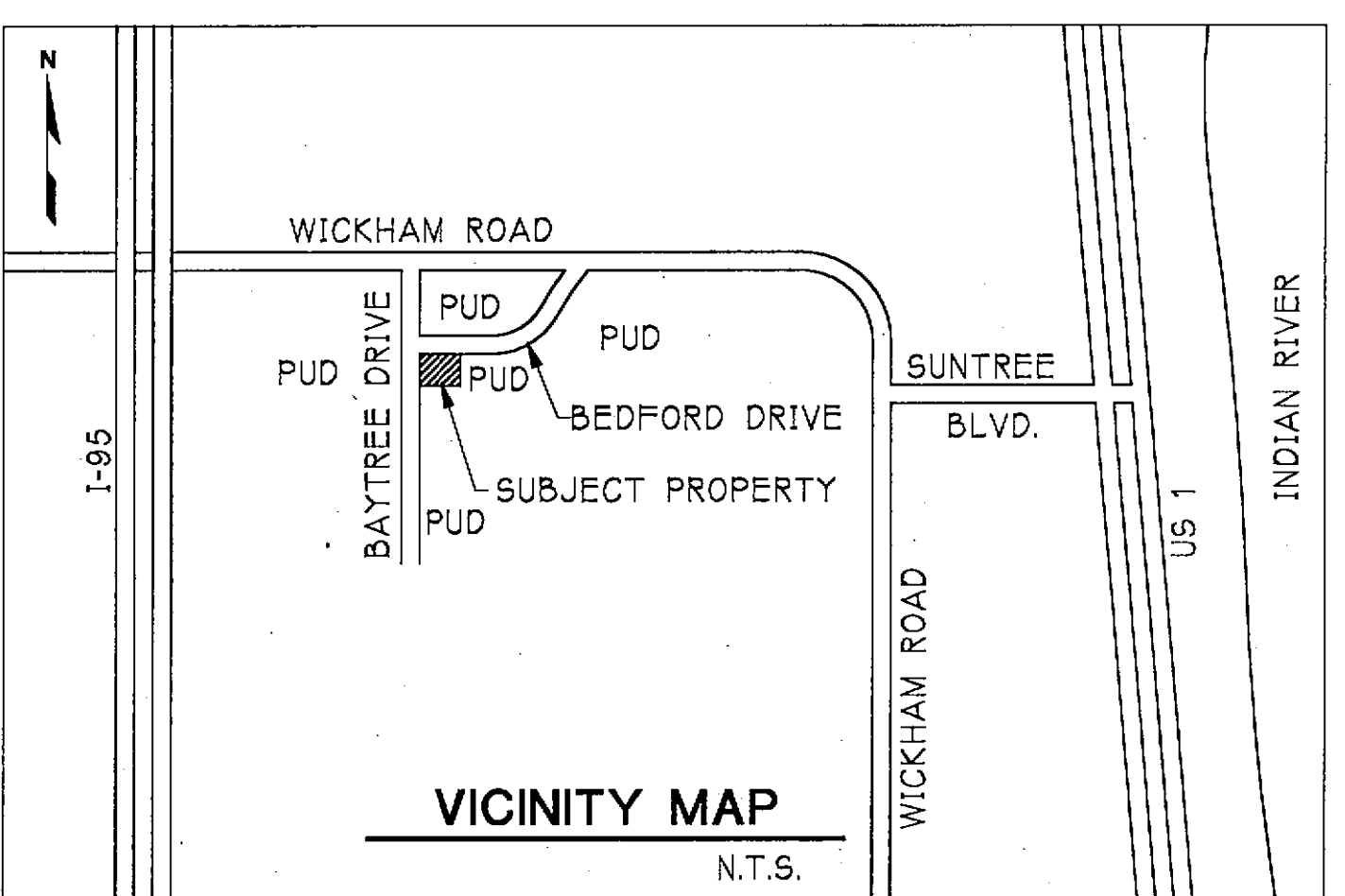
NOTES:

- PROVIDE 1 1/2" ASCE TYPE III OR S-3 ASPHALTIC CONCRETE PAVEMENT OVER 6" LIMEROCK BASE OVER 8" STABILIZED, COMPACTED SUBGRADE. SEE DETAIL DRAWING C-3.
- SOO ALL NON-IMPERVIOUS AREAS AND OTHER AREAS DISTURBED DURING CONSTRUCTION.
- PROVIDE FDOT TYPE 10" CONCRETE CURBING, SEE DETAIL DRAWING C-2
- PROVIDE CONCRETE DUMPSTER PAD WITH 6" CBS SETBACK WALL. SEE DETAIL DRAWING C-3.
- PROVIDE 4'x4' CONCRETE STOOPS. SEE DETAIL DRAWING C-3.
- PROVIDE FDOT 24" STOP BAR AND 30" STOP SIGN.
- PROVIDE 4" WHITE PAINT STRIPING, TYPICAL.
- PROVIDE 4" BLUE PAINT STRIPING 18" O.C. @ 45° ANGLE TO DRIVE LANES, TYPICAL WITH H.C. RAMPS.
- PROVIDE FDOT WHITE PAINTED DIRECTIONAL ARROWS.
- PROVIDE CONCRETE ROADSIDE SIDEWALK, SEE DETAIL DRAWING C-5.
- PROVIDE CONCRETE SIDEWALK, SEE DETAIL DRAWING C-3.
- PROVIDE HANDICAP PARKING SPACES. SEE DETAIL DRAWING C-3.
- MATCH NEW SIDEWALK ELEVATION WITH EXISTING SIDEWALK.
- PROVIDE CONCRETE WHEEL STOPS, SEE DETAIL DRAWING C-3.
- PROVIDE SIDEWALK 1/2" (MAX) TO MATCH PAVEMENT FLUSH. PROVIDE 3'-0" TAPER IN CURB.
- PROVIDE FDOT 12" WHITE PAINTED SIDEWALK CROSSING. SEE DETAIL DRAWING C-3.
- PROVIDE 3'-0" TAPER IN CURB.
- PROVIDE 40 L.F. OF 12" RCP PIPE WITH CONCRETE MITERED ENDS.
- TYPICAL 3'-0" ROOF OVERHANG.
- PROVIDE SIGN, 25" MINIMUM SETBACKS. SEE DETAIL DRAWING C-3.
- PROVIDE 6" P.V.C. S.S. PIPE AND CONNECTION TO EXISTING S.S. MANHOLE. SLOPE PIPE @ 1/8" PER FOOT. CONNECT AS PER COUNTY REQUIREMENTS.
- PROVIDE S.S. CLEANOUT. SEE DETAIL DRAWING C-3.
- PROVIDE 2" COPPER WATER PIPE AND CONNECTION TO EXISTING 6" WATER MAIN. CONNECT AS PER COUNTY REQUIREMENTS.
- SAWCUT AND REMOVE EXISTING CONCRETE CURBING AND SIDEWALKS FOR INSTALLATION OF NEW DRIVEWAY.
- CONDENSING UNIT AND SCREEN WALL. SEE DRAWING M-1 FOR DETAILS

LEGEND:

R	= RADIUS (CENTRAL ANGLE)	FF	= FINISHED FLOOR
Δ	= DELTA (CENTRAL ANGLE)	LF	= LOW FLOOR
A	= ARC LENGTH	EL	= ELEVATION
PUD	= PUBLIC UTILITIES AND DRAINAGE	INV	= INVERT
ESMT	= EASEMENT	APPROX	= APPROXIMATE
IRC	= IRON REBAR AND CAP	OHW	= OVERHEAD WIRE
IR	= IRON ROD	PH	= FIRE HYDRANT
CM	= CONCRETE MONUMENT	WV	= WATER VALVE
N&D	= NAIL AND DISK	WM	= WATER METER
N&T	= NAIL AND TAB	GV	= GATE VALVE
FND	= FOUND	MH	= MANHOLE
PREV	= PREVIOUS	ELEC	= ELECTRIC
PG	= PLAT BOOK	C&C	= CURB AND CUTTER
ORB	= OFFICIAL RECORDS BOOK	WPP	= WOOD POWER POLE
PC	= PAGE	CPP	= CONCRETE POWER POLE
CL	= CENTERLINE	SA	= SOUTHERN BELL TELEPHONE
WD	= WOOD	FPL	= FLORIDA POWER AND LIGHT
TYP	= TYPICAL	RCP	= REINFORCED CONCRETE PIPE
CBS	= CONCRETE BLOCK AND STUCCO	CMP	= CORRUGATED METAL PIPE
S/W	= SIDEWALK	DIP	= DUCTILE IRON PIPE
R/W	= RIGHT-OF-WAY	CO	= CLEAN OUT
D/W	= DRIVEWAY	LF	= LINEAR FEET
C/S	= CONCRETE SLAB	TRNS	= TRANSFORMER
A/C	= AIR CONDITIONER	CH LK	= CHAIN LINK
P/M/T	= PAVEMENT	FE	= FENCE
CONC	= CONCRETE	OF	= OVERFLOW
TOP	= TOP OF BANK	MES	= MITERED END SECTION
EDW	= EDGE OF WATER	SKM	= SKIMMER
		BOT	= BOTTOM
		WSE	= WATER SURFACE ELEVATION

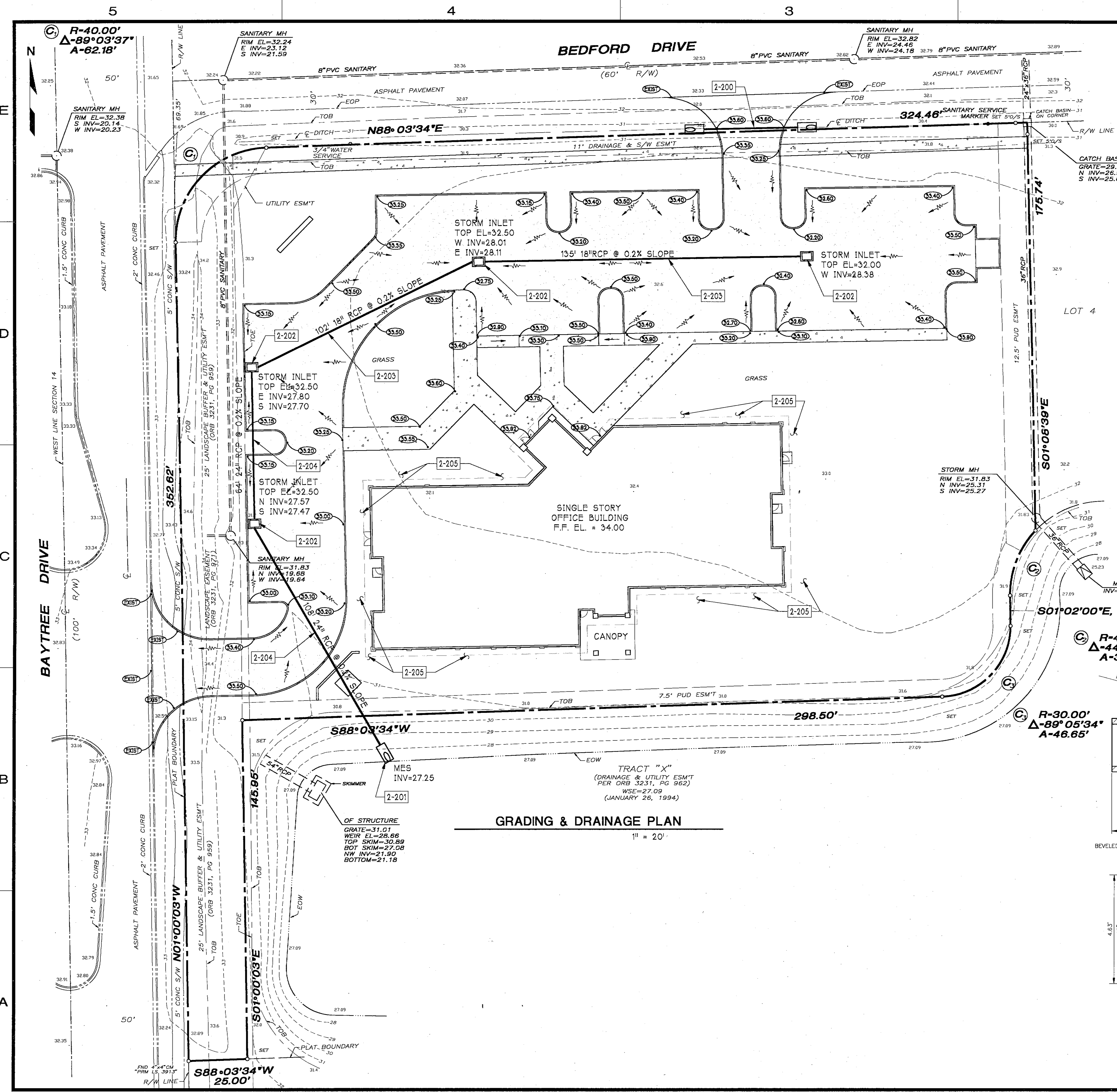
SITE & UTILITIES PLAN
1" = 20'



DATE	2-26-94
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DRAWN BY	YORIO
CHECKED BY	SIMPERS
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PROJECT NO.	3605.01
DRAWING NO.	C-1
SHEET	OF 3

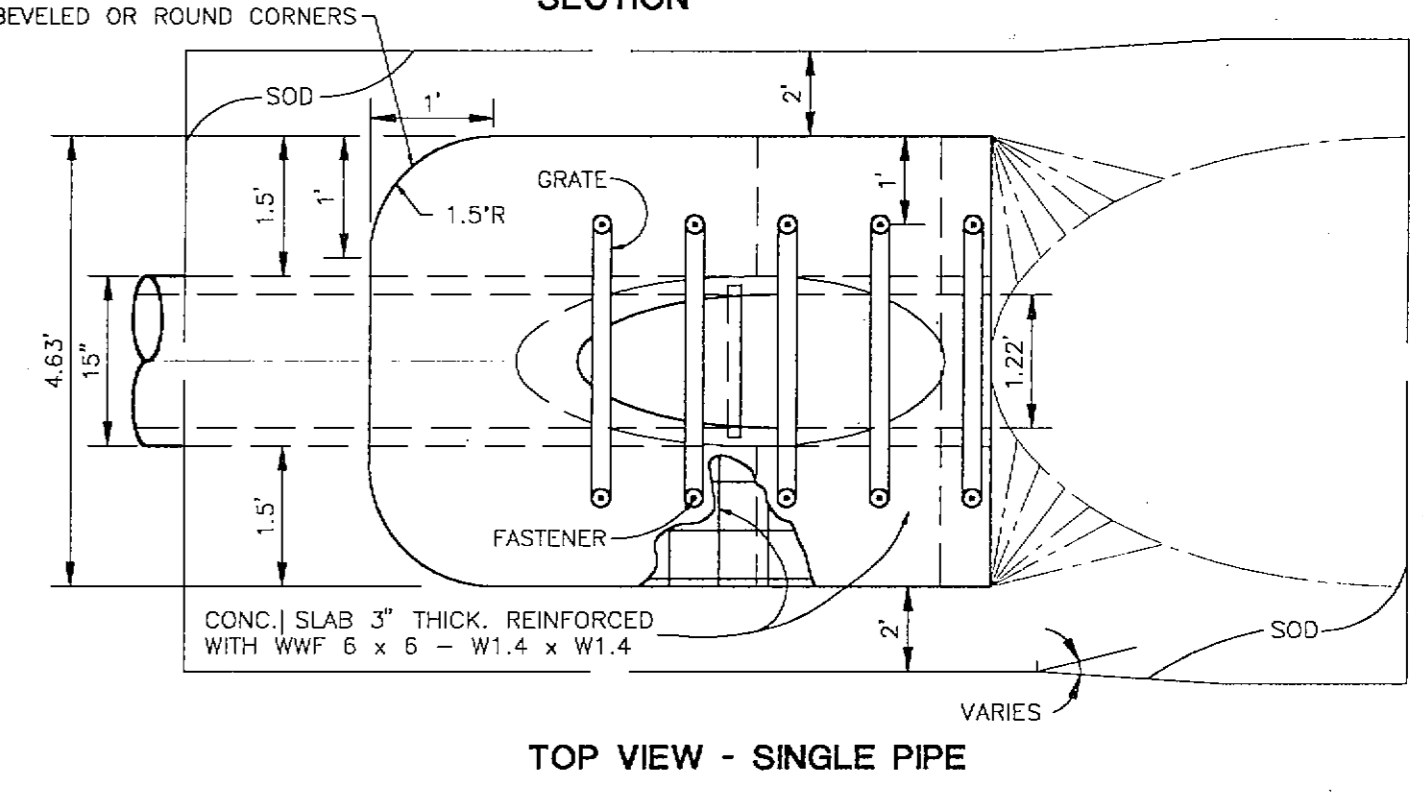
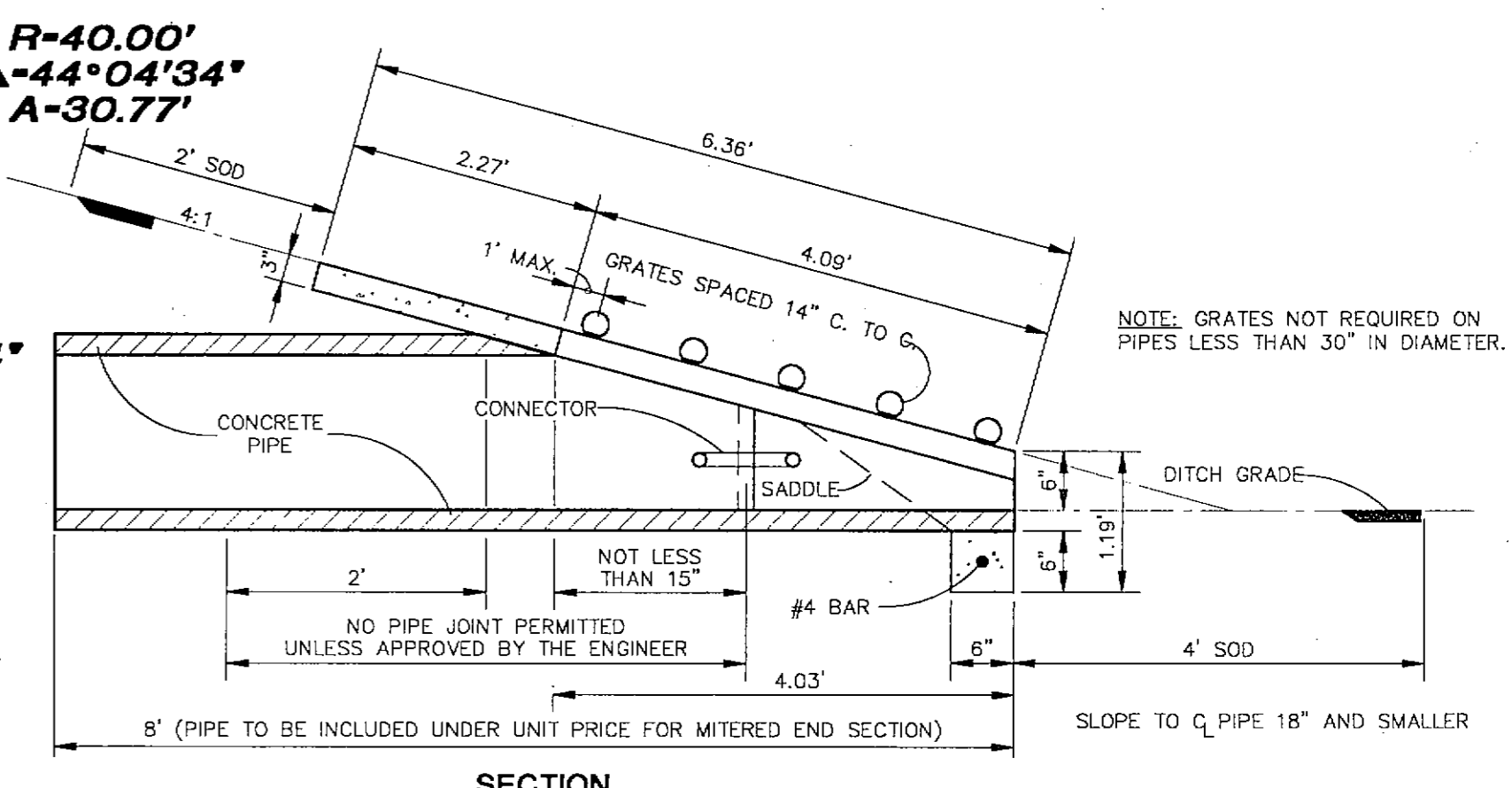
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HOYMAN, DOBSON & COMPANY
MELBOURNE, FLORIDA
SITE & UTILITIES PLAN



- NOTES:**
- 2-200 PROVIDE 40 L.F. OF 12" RCP PIPE WITH FDOT CONCRETE MITERED ENDS. WEST INV. = 30.50, EAST INV. = 30.40
 - 2-201 PROVIDE FDOT MITERED END, INV. 27.25
 - 2-202 PROVIDE FDOT TYPE III INLET BOXES WITH GALVANIZED GRATES, FOUR (4) TYPICAL. SEE PLAN FOR ELEVATIONS.
 - 2-203 PROVIDE 18" RCP PIPE, SEE PLAN FOR LENGTH AND SLOPE.
 - 2-204 PROVIDE 24" RCP PIPE, SEE PLAN FOR LENGTH AND SLOPE.
 - 2-205 GRADE ALL AREAS AROUND BUILDING TO DRAIN AWAY FROM BUILDING.

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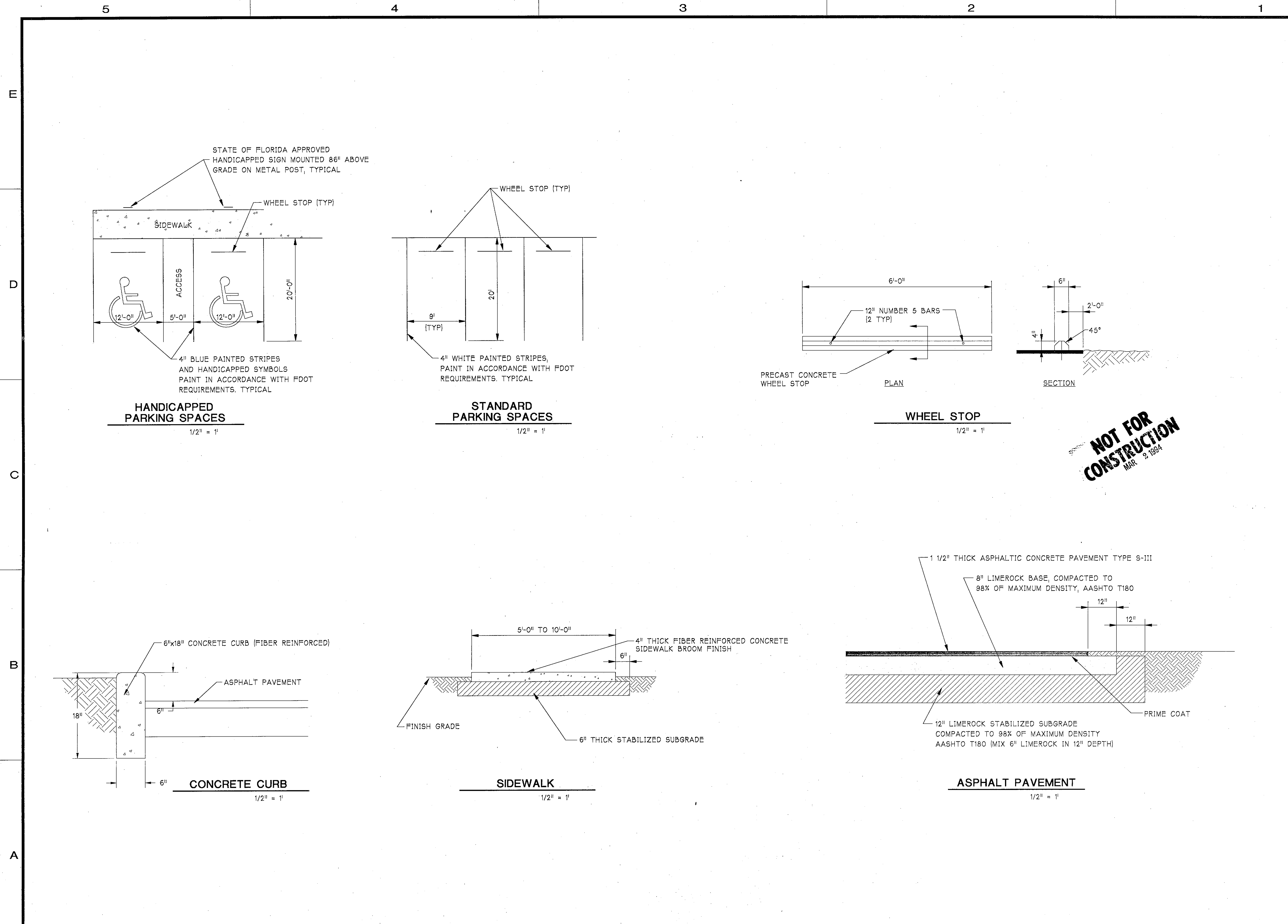


MITERED END SECTION
NTS

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GRADING & DRAINAGE PLAN



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REVISION	DATE	BY	CHK

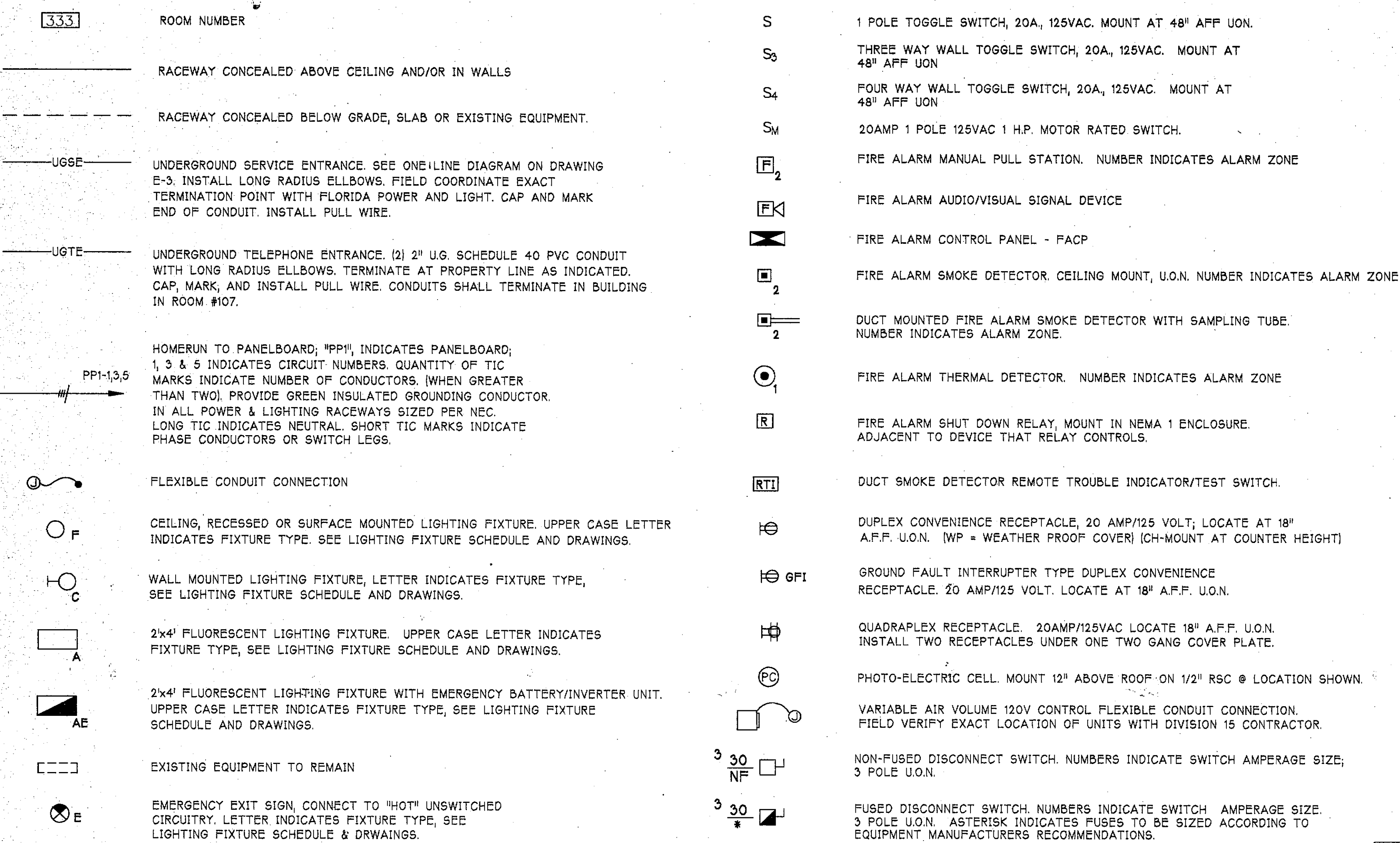
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PROJECT NO.	3605.01
DRAWING NO.	C-3
SHEET	3 OF 3

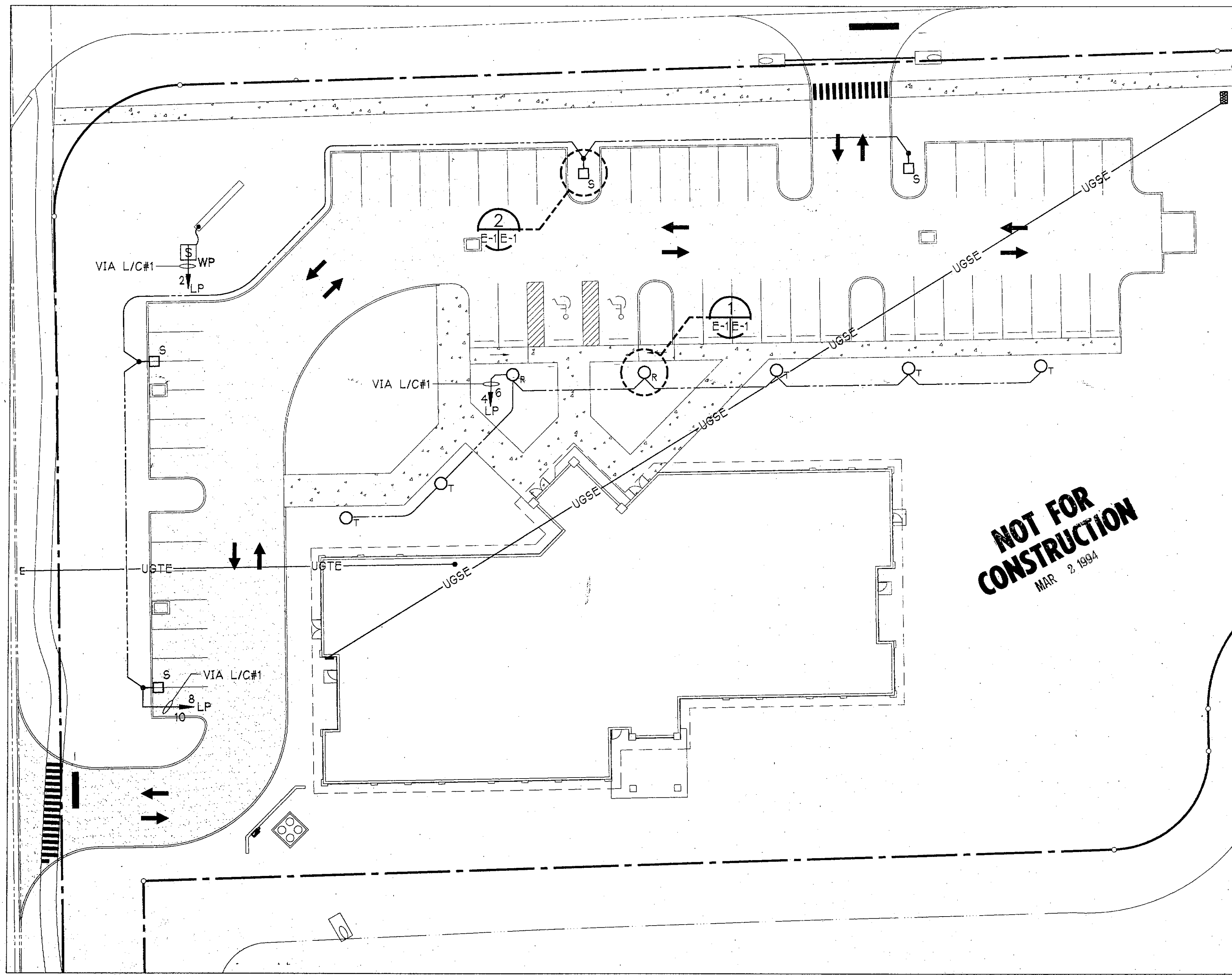
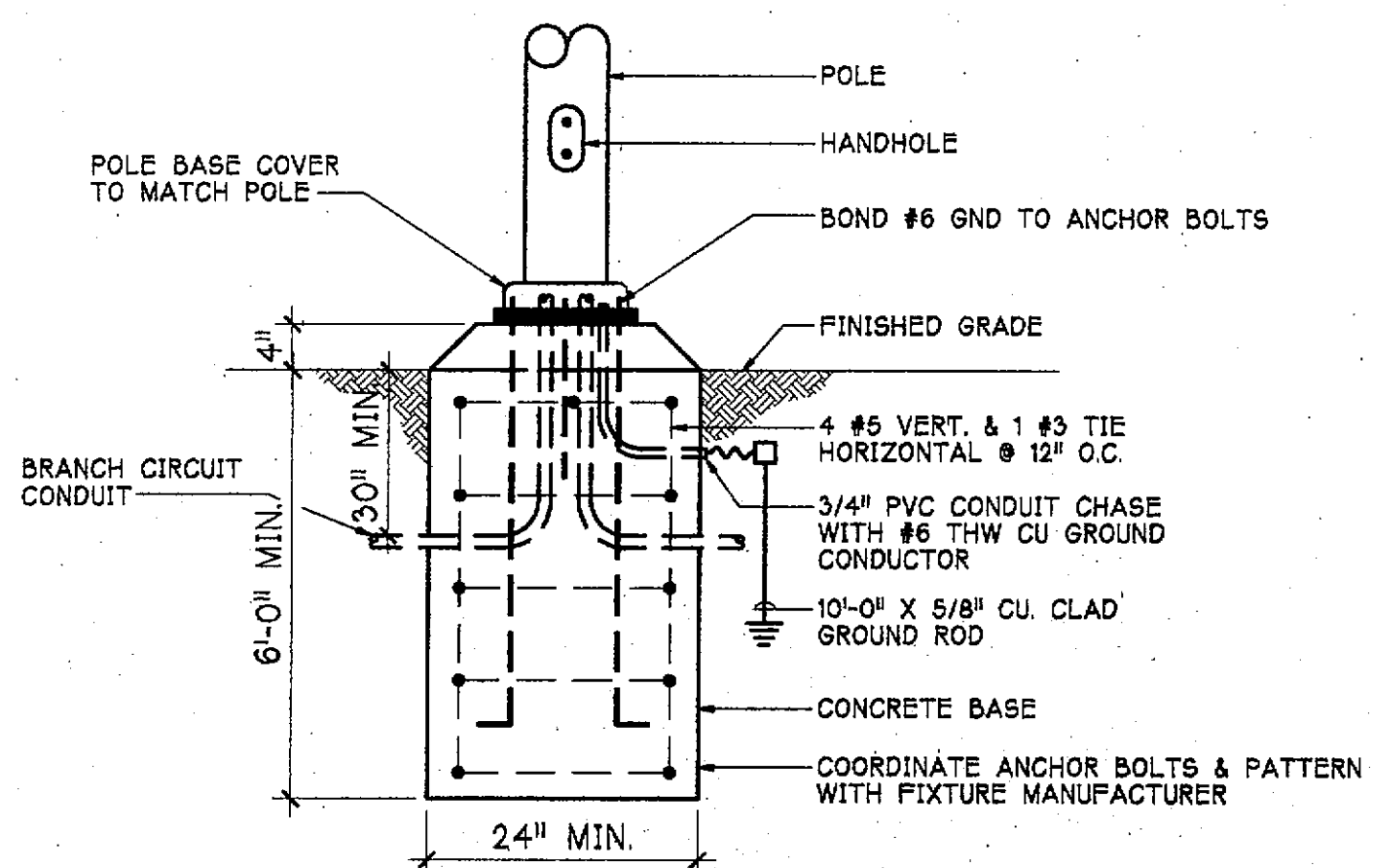
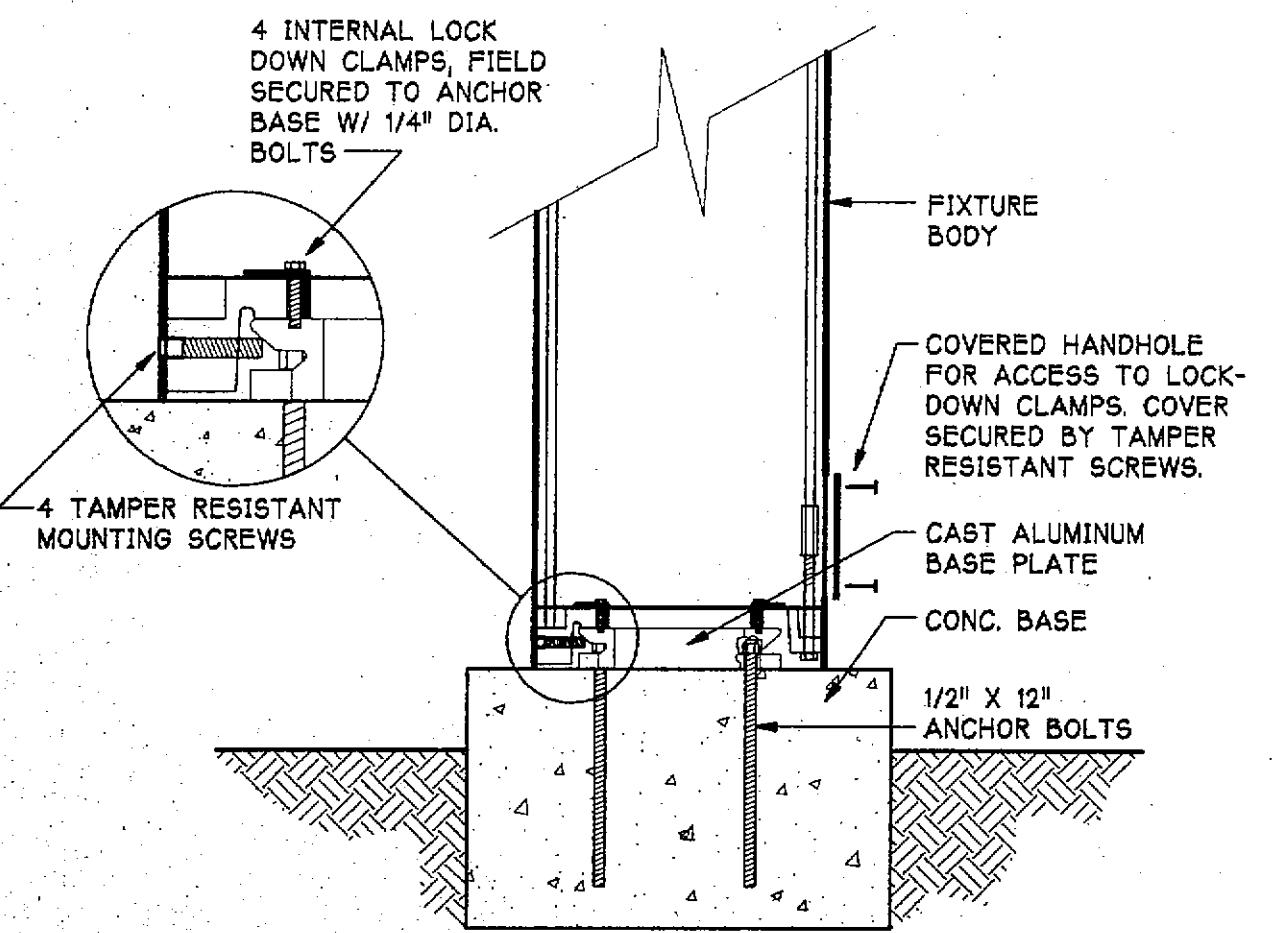
ELECTRICAL SYMBOLS

(APPLIES TO ALL ELECTRICAL SHEETS)



LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	LAMPS			DIFFUSER	MOUNTING	VOLT	MANUFACTURER	REMARKS	EQUAL BY
		QUAN.	WATTS	TYPE						
A	2x4' RECESSED FLUORESCENT PARABOLIC	3	F40	CW/SS	18 CELL SEMI-SPECULAR ALUMINUM	RECESSED GRID	120	COLUMBIA #P4-2436-433631-120-ESB		DAYBRITE/BENJAMIN, LITHONIA
AE	2x4' RECESSED FLUORESCENT PARABOLIC W/EMERGENCY BATTERY	3	F40	CW/SS	18 CELL SEMI-SPECULAR ALUMINUM	RECESSED GRID	120	COLUMBIA #P4-2436-433631-120-ESB-EL	PROVIDE FACTORY INSTALLED BATTERY PACKS	DAYBRITE/BENJAMIN, LITHONIA
B	SURFACE FLUORESCENT	2	F40	CW/SS	PRISMATIC ACRYLIC	SURFACE	120	COLUMBIA #WP-240-A-120-PAF-ITB4-ESB		DAYBRITE/BENJAMIN, LITHONIA
C	SURFACE FLUORESCENT	2	F40	CW/SS	TUBE GUARDS	SURFACE	120	COLUMBIA #E8240-120-PAF-ITB4-ESB-4WGA	PROVIDE TUBE GUARDS AND WIRE GUARDS	DAYBRITE/BENJAMIN, LITHONIA
CE	SURFACE FLUORESCENT W/EMERGENCY BATTERY	2	F40	CW/SS	TUBE GUARDS	SURFACE	120	COLUMBIA #E8240-120-PAF-ITB4-4WGA-EL-ESB	FIBP	DAYBRITE/BENJAMIN, LITHONIA
D	2x4' RECESSED FLUORESCENT PARABOLIC	4	F40	CW/SS	32 CELL SEMI-SPECULAR ALUMINUM	RECESSED GRID	120	COLUMBIA #P4-2448-434831-120-ESB		DAYBRITE/BENJAMIN, LITHONIA
DE	2x4' RECESSED FLUORESCENT PARABOLIC W/EMERGENCY BATTERY	4	F40	CW/SS	32 CELL SEMI-SPECULAR ALUMINUM	RECESSED GRID	120	COLUMBIA #P4-2448-434831-120-ESB-EL	FIBP	DAYBRITE/BENJAMIN, LITHONIA
E	EMERGENCY EXIT SIGN	2	F8	TS	PLEXIGLASS	CEILING MOUNT W/ RECESSED HOUSING	120	PRESCOLITE #R-6-EMC SERIES	PROVIDE ARROWS AND DOUBLE FACE AS INDICATED	LITHONIA, EMERGI-LITE
EE	PENDANT EMERGENCY EXIT SIGN	2								
F	RECESSED INCANDESCENT	1	75W	R30 FLOOD	SPECULAR CLEAR ALZACK	RECESSED GRID	120	PRESCOLITE #P271-750		OMEGA, HALO
G	RECESSED INCANDESCENT	1	75W	SPOT	SPECULAR CLEAR ALZACK	RECESSED GRID	120	PRESCOLITE #P26X14745		OMEGA, HALO
H	PENDANT INCANDESCENT									
K	2x4' RECESSED FLUORESCENT	4	F40	CW/SS	ACRYLIC	RECESSED GRID	120	COLUMBIA #P28692-244-120-ESB		
L	2x4' RECESSED FLUORESCENT PARABOLIC	2	F40	CW/SS	12 CELL SEMI-SPECULAR ALUMINUM	RECESSED GRID	120	COLUMBIA #P4242G-432631-120-ESB		
LE	2x4' RECESSED FLUORESCENT PARABOLIC W/EMERGENCY BATTERY	2	F40	CW/SS	12 CELL SEMI-SPECULAR ALUMINUM	RECESSED GRID	120	COLUMBIA #P4242G-432631-120-EL-ESB	FIBP	
M	4x6" FLUORESCENT WALL BRACKET									
N	2x4" FLUORESCENT WALL BRACKET									
P	EMERGENCY RECESSED FLUORESCENT	2	26W	CFL	SPECULAR CLEAR ALZACK	RECESSED	120	PRESCOLITE #CFR826MST492EM-120V	FIBP	
Q	RECESSED FLUORESCENT	2	13W	CFL	SPECULAR CLEAR ALZACK	RECESSED	120	PRESCOLITE #CFR83-972-120V		
R	H.I.D. BOLLARD	1	100W	M.H.	CLEAR ACRYLIC	CONCRETE BASE	208	MOLDCAST #37-3-11-20-2FU-SP1-DCRBP1	FINISH SHALL BE ACCENT COLOR SHALL BE	MOUNT ON CONCRETE BASE SEE DETAIL #1 BELOW
S	POLE MOUNT H.I.D.	1	400W	M.H.	GLASS	POLE MOUNT 22-01 APG	208	QUALITY LIGHTING #FS-24-3-400-MH-208-SJR-PPDF	ASYMMETRIC DISTRIBUTION FINISH SHALL BE ACCENT COLOR SHALL BE	
T	H.I.D. BOLLARD	1	100W	M.H.	CLEAR ACRYLIC	CONCRETE BASE	208	MOLDCAST #37-3-11-20-SP1-AST-DCRBP1		



GENERAL NOTES

(APPLIES TO ALL ELECTRICAL SHEETS)

- ALL BRANCH CIRCUIT CONDUITS SHALL CONTAIN A MINIMUM OF 2 #12 WIRES, PLUS A GROUND WIRE SIZED PER NEC. ADDITIONAL WIRES REQUIRED ARE SO INDICATED BY THE NUMBER OF TIC MARKS SHOWN, OR AS REQUIRED. GROUND CONDUCTORS NOT SHOWN.
- COORDINATE THE LOCATION OF ALL DEVICES AND BOXES WITH WINDOWS, CHALK, MARKER, AND BULLETIN BOARDS, BUILT-INS, AND CABINETS.
- COORDINATE HEIGHTS OF WALL MOUNTED LIGHTING FIXTURES TO CLEAR MIRRORS, CABINETS AND BUILT-INS.
- EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES SHALL BE WIRED AHEAD OF ALL LOCAL SWITCHING.
- ALL PHASE CONDUCTORS, NEUTRALS, AND GROUNDS SHALL BE MINIMUM NO. 12 AWG, AND MINIMUM CONDUIT SIZE SHALL BE 1/2" C.

ABBREVIATIONS AND ACRONYMS

(APPLIES TO ALL ELECTRICAL SHEETS)

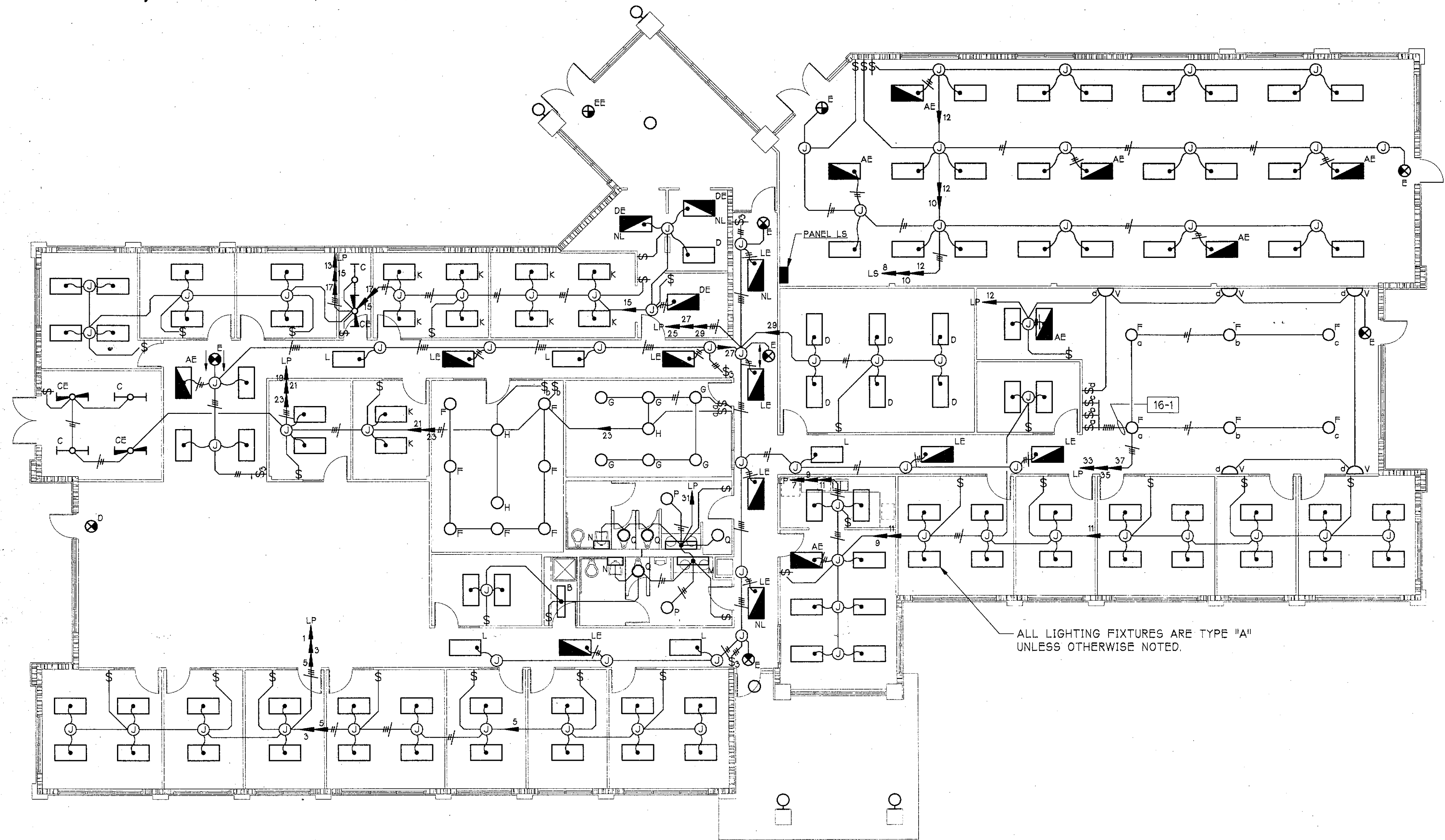
A	AMPERES	FA	FIRE ALARM SYSTEM	NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
A/C	AIR CONDITIONING	FLUOR	FLUORESCENT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AC	ALTERNATING CURRENT	FACP	FIRE ALARM CONTROL PANEL	N.O.	NORMALLY OPEN
AFF	ABOVE FINISHED FLOOR	G	GROUND	O.C.	ON CENTER
AFG	ABOVE FINISHED GRADE	GF1	GROUND FAULT CIRCUIT INTERRUPTER	PC	PHOTO-ELECTRIC CELL
AHU	AIR HANDLING UNIT	GRD	GROUND	PBL	PANELBOARD
AWG	AMERICAN WIRE GAUGE	HP	HORSEPOWER	PVC	POLYVINYL CHLORIDE
ARCH	ARCHITECTURAL	HPS	HIGH PRESSURE SODIUM	RCPT	RECEPTACLE
BC	BELOW COUNTER	HID	HIGH INTENSITY DISCHARGE	RM	ROOM
BFF	BELOW FINISHED FLOOR	HVAC	HEATING, VENTILATION, AIR CONDITIONING	RSC	GALVANIZED RIGID STEEL CONDUIT
BFG	BELOW FINISHED GRADE	J	JUNCTION	RTI	REMOTE TROUBLE INDICATOR
CH	COUNTER HEIGHT	KAIC	(THOUSAND) AMPERE INTERRUPTING CAPACITY	SA	SURGE ARRESTOR
C	CONDUIT	KVA	KILOVOLT-AMPERES	SN	SOLID NEUTRAL
CFL	COMPACT FLUORESCENT	KW	KILOWATT	SPEC	SPECIFICATION
CONC	CONCRETE	LC	LIGHTING CONTACTOR	SQ	SQUARE
COND	CONDUIT	LTG	LIGHTING	SW	SWITCH
CONT	CONTINUED OR CONTINUATION	MAU	MAKE UP AIR UNIT	TT	TWIN TUBE
CU	COPPER	MCM	THOUSANDS OF CIRCULAR MILS	TYP	TYPICAL
DISC	DISCONNECT	M.H.	METAL HALIDE	UC	UNDER COUNTER
ELEC	ELECTRICAL	N	NEUTRAL	UG	UNDERGROUND
EM	EMERGENCY	N/A	NOT APPLICABLE	UON	UNLESS OTHERWISE NOTED
EMT	ELECTRICAL METALLIC TUBING	N.C.	NORMALLY CLOSED	V	VOLTS
EW	ELECTRIC WATER COOLER	NEC	NATIONAL ELECTRICAL CODE	W	WIRE
EX	EXISTING	NF	NON-FUSED	WP	WEATHERPROOF
EXT	EXTERIOR	NL	NIGHT LIGHT	Y	WYE (CONNECTED)

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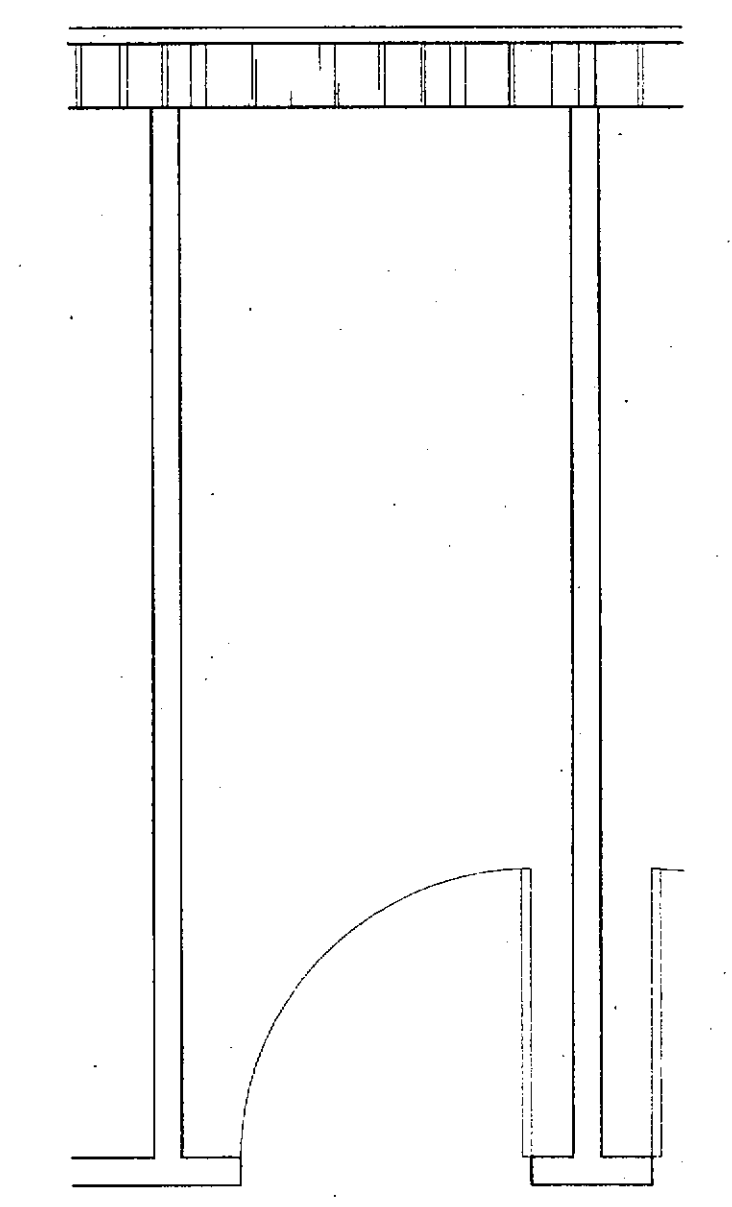
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 LEGEND AND ABBREVIATIONS

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 DRAWN BY: M. SMITH
 CHECKED BY: _____
 CAD CODE: 3605.01/E-1
 PROJECT NO.: 3605.01
 DRAWING NO.: E-1
 SHEET OF

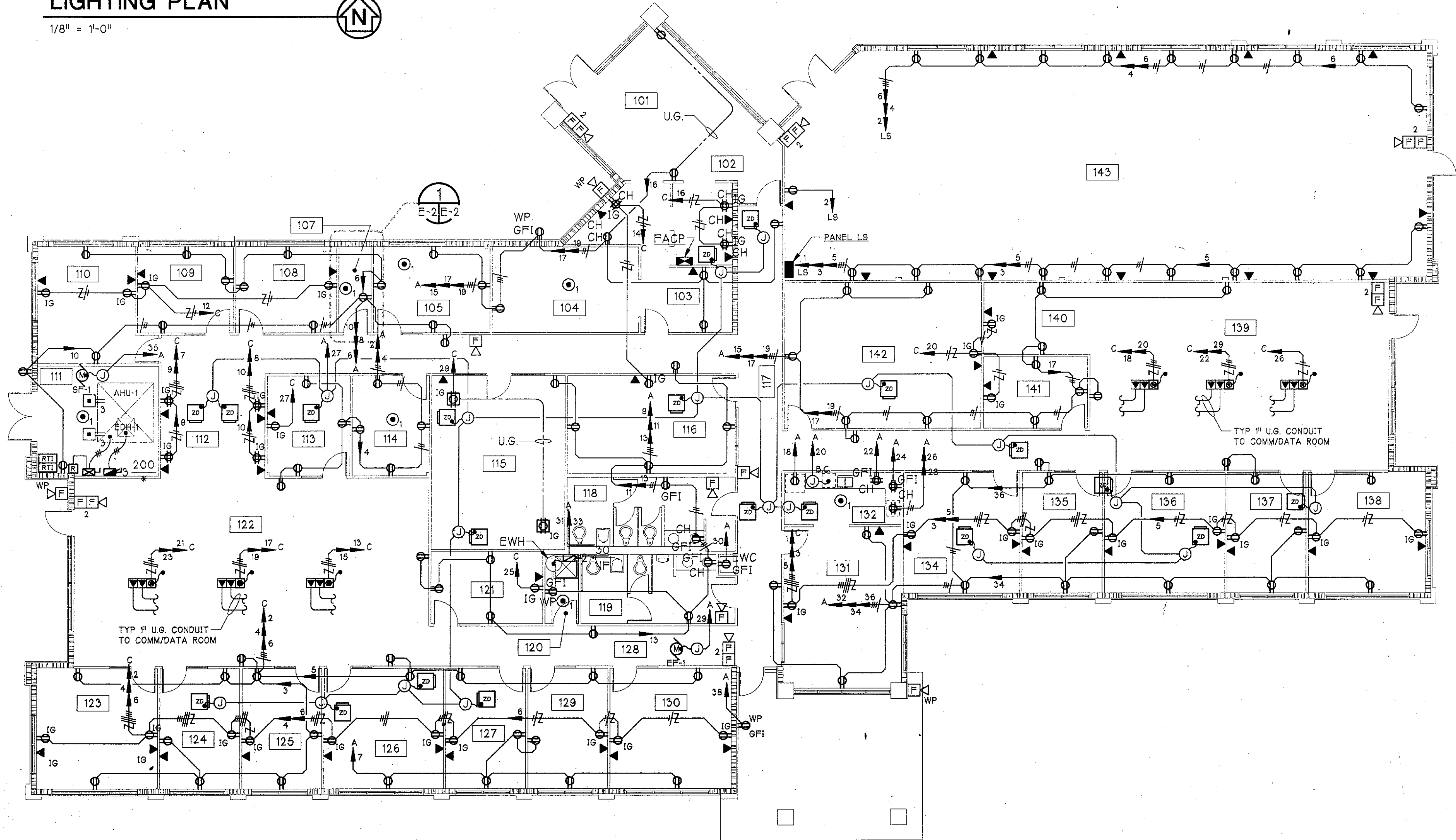
E
D
C
B
A



ENLARGED ELECTRICAL ROOM 
1/2" = 1'-0"

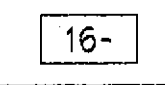


LIGHTING PLAN 
1/8" = 1'-0"



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

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MAR 9, 1994

PLAN NOTES 
16-1 CONNECT CIRCUIT #33 TO SWITCH a, CONNECT CIRCUIT #35 TO SWITCH b,
CONNECT CIRCUIT #37 TO SWITCH c.

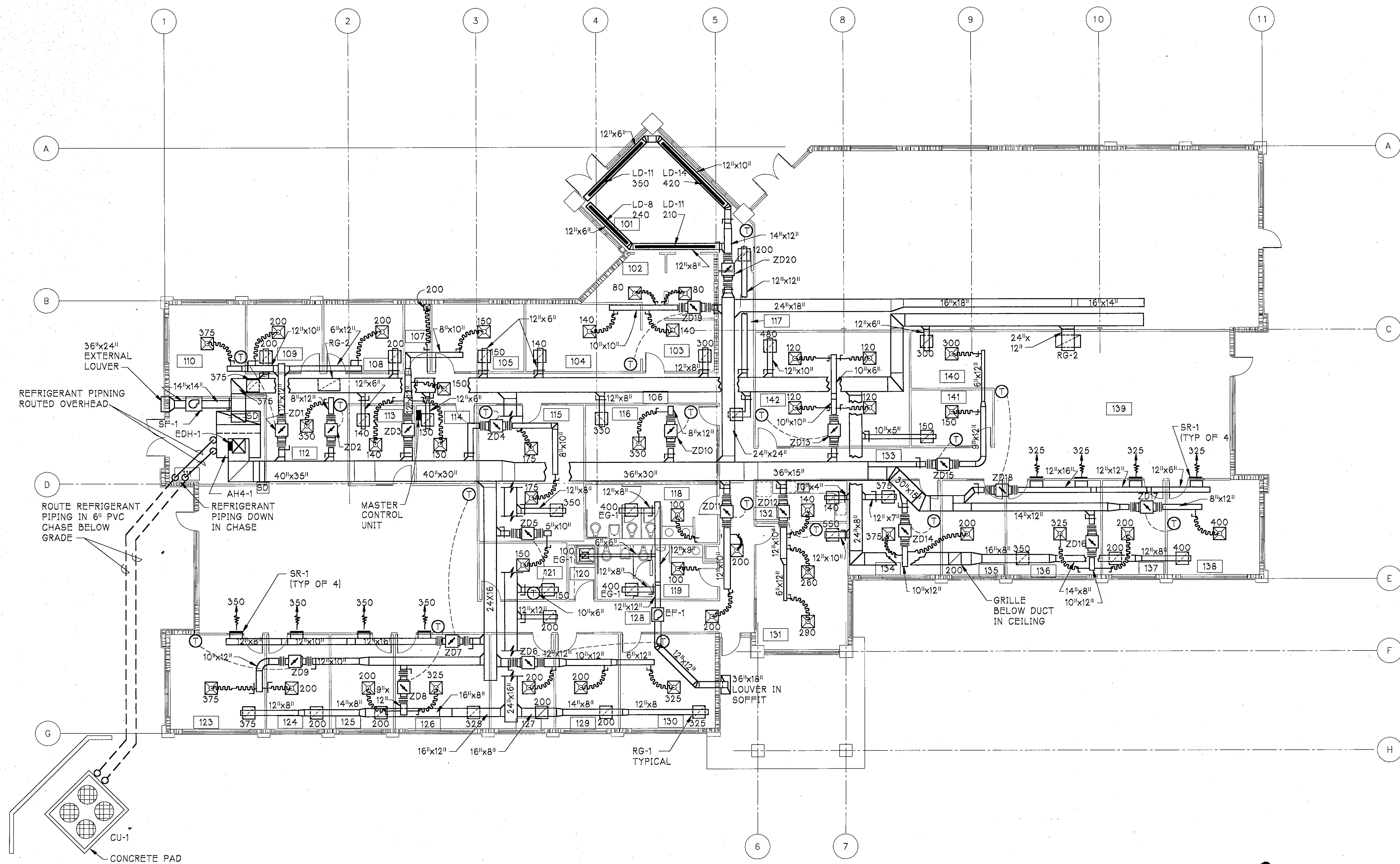
NO.	DATE	REVISION	BY	CHK

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OFFICE BUILDING
MELBOURNE, FLORIDA
HOYMAN, DOBSON, & COMPANY
LIGHTING AND POWER PLAN

DATE	
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DRAWN BY	M. SMITH
CHECKED BY	
CAD CODE	3605.01/E-2
PROJECT NO.	3605.01
DRAWING NO.	E-2
SHEET	OF

5 4 3 2 1



LEGEND

	SUPPLY		SANITARY VENT
	EXHAUST		SANITARY SEWER
	24"x24" RETURN		DOMESTIC HOT WATER
	48"x24" RETURN		DOMESTIC COLD WATER
	FLEXIBLE DUCT		CONDENSATE DRAIN
	GALVANIZED DUCTWORK		PIPE DOWN
	VOLUME DAMPER		PIPE UP
	TURNING VANE		EXT. HOSE BIBB (EHB)
	THERMOSTAT		WATER HAMMER ARRESTOR
	SMOKE DETECTOR		CLEANOUT (ECO OR FCO)
	FIRE DAMPER		GATE VALVE
			INLINE FAN
			ZONE DAMPER
			SIDEWALL DIFFUSER

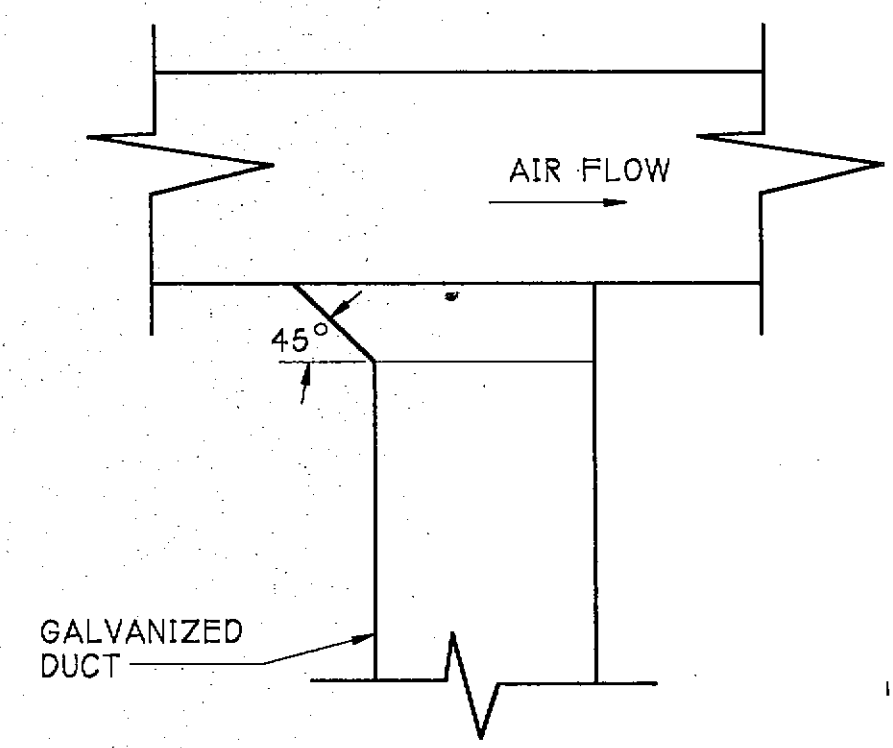
ABBREVIATIONS

AHU	AIR HANDLING UNIT	IN	INCHES
ATCS	AUTOMATIC TEMPERATURE CONTROL SYSTEM	KW	KILOWATTS
APD	AIR PRESSURE DROP	LAT	LEAVING AIR TEMPERATURE
BHP	BREAK HORSE POWER	LAV	LAVATORY
BTU	BRITISH THERMAL UNIT	LD	LINEAR DIFFUSER
CAP	CAPACITY	LRA	LOCKED ROTOR AMPS
CENTR	CENTRIFUGAL	LWT	LEAVING WATER TEMPERATURE
CD	CONDENSATE DRAIN	MAX	MAXIMUM
CFM	CUBIC FEET PER MINUTE	MCA	MINIMUM CIRCUIT AMPACITY
CONN	CONNECTION	MD	MANUAL DAMPER
CONT.	CONTINUE	MIN	MINIMUM
CU	CONDENSING UNIT	MSB	MOP SINK BASIN
CW	COLD WATER	NC	NOISE CRITERIA, NORMALLY CLOSED
DB	DRY BULB	NEC	NATIONAL ELECTRIC CODE
DDC	DIRECT DIGITAL CONTROL	NO	NUMBER, NORMALLY OPEN
DN	DOWN	NOM	NOMINAL
EA	EACH, EXHAUST AIR	NTS	NOT TO SCALE
EAT	ENTERING AIR TEMPERATURE	OA	OUTSIDE AIR
ECO	EXTERIOR CLEANOUT	OC	ON CENTER
EF	EXHAUST FAN	PD	PRESSURE DROP
EFF	EFFICIENCY	PDI	PLUMBING & DRAINAGE INSTITUTE
EG	EXHAUST GRILLE	PH	PHASE
EHB	EXTERIOR HOSE BIBB	POC	POINT OF CONNECTION
ESP	EXTERNAL STATIC PRESSURE	RA	RETURN AIR
EWC	ELECTRIC WATER COOLER	RG	RETURN GRILLE
EWB	ELECTRIC WATER HEATER	RHW	RECIRCULATING HOT WATER
°F	DEGREES FAHRENHEIT	RLA	RATED LOAD AMPS
FA	FACE AREA	RM	ROOM
FACP	FIRE ALARM CONTROL PANEL	RPM	REVOLUTION PER MINUTE
FCO	FLOOR CLEANOUT	SA	SUPPLY AIR
FD	FIRE DAMPER	SK	SINK
FLD	FLOOR DRAIN	SP	STATIC PRESSURE
FLEX	FLEXIBLE	SS	STAINLESS STEEL
FLG	FLANGE	SQ	SQUARE
FT	FEET	SR	SUPPLY REGISTER
FT2	SQUARE FEET	TSH	TOTAL SENSIBLE HEAT
FV	FACE VELOCITY	TSP	TOTAL STATIC PRESSURE
GA	GAUGE	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UL	UNDERWRITER'S LABORATORIES
GTH	GROSS TOTAL HEAT	UR	URINAL
HB	HOSE BIBB	VAV	VARIABLE AIR VOLUME UNIT
HC	HANDICAPPED	VDT	VERTICAL DRAW THRU
HD	HEAD	VTR	VENT THRU ROOF
HP	HORSEPOWER	WB	WET BULB
HR	HOUR	WC	WATER CLOSET
HW	HOT WATER	WCO	WALL CLEANOUT
HZ	HERTZ	WPD	WATER PRESSURE DROP
		ZD	ZONE DAMPER

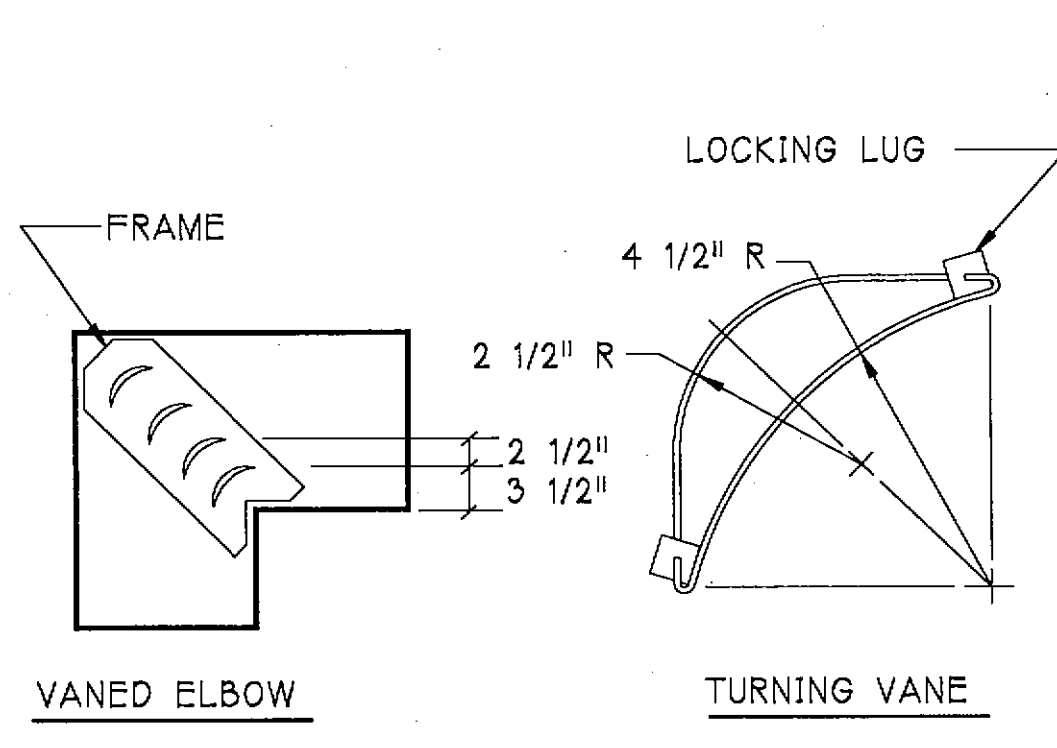
MECHANICAL FLOOR PLAN
 1/8"=1'-0"

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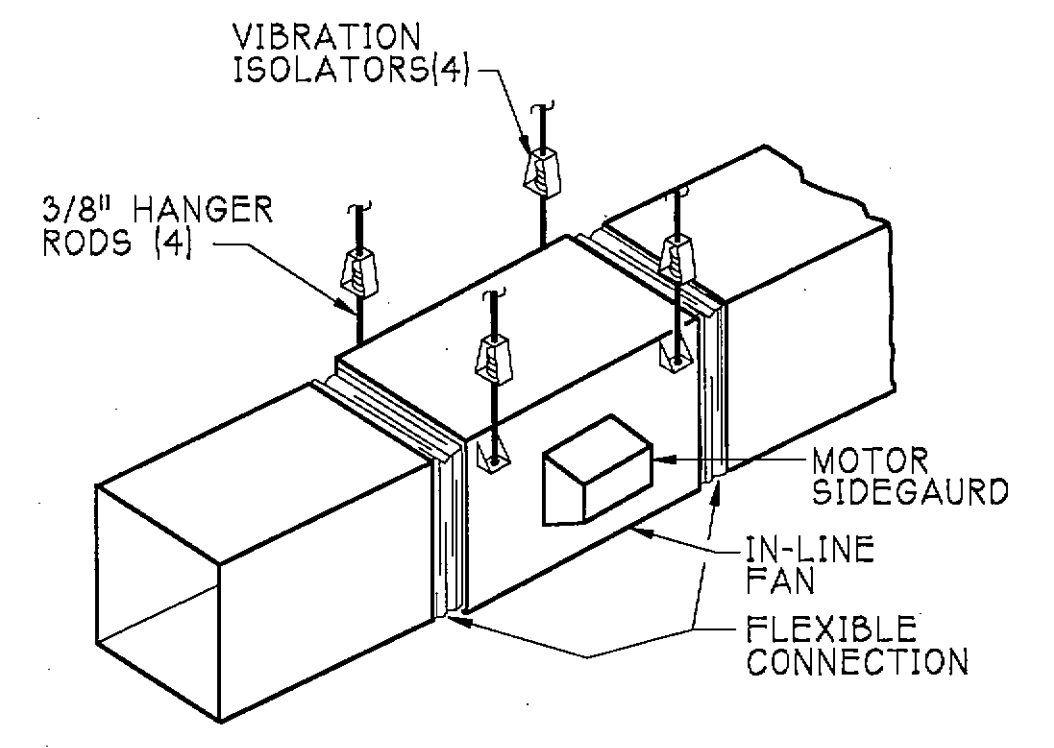
BY	CHK	
REVISION		
DATE		
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HOYMAN, DOBSON & COMPANY MECHANICAL PLAN		
DESIGNED BY	DASILVA	
DRAWN BY	MARLEAU	
CHECKED BY	HOUSER	
CAD CODE	3605.01/M-1	
PROJECT NO.	3605.01	
DRAWING NO.	M-1	
SHEET	OF	



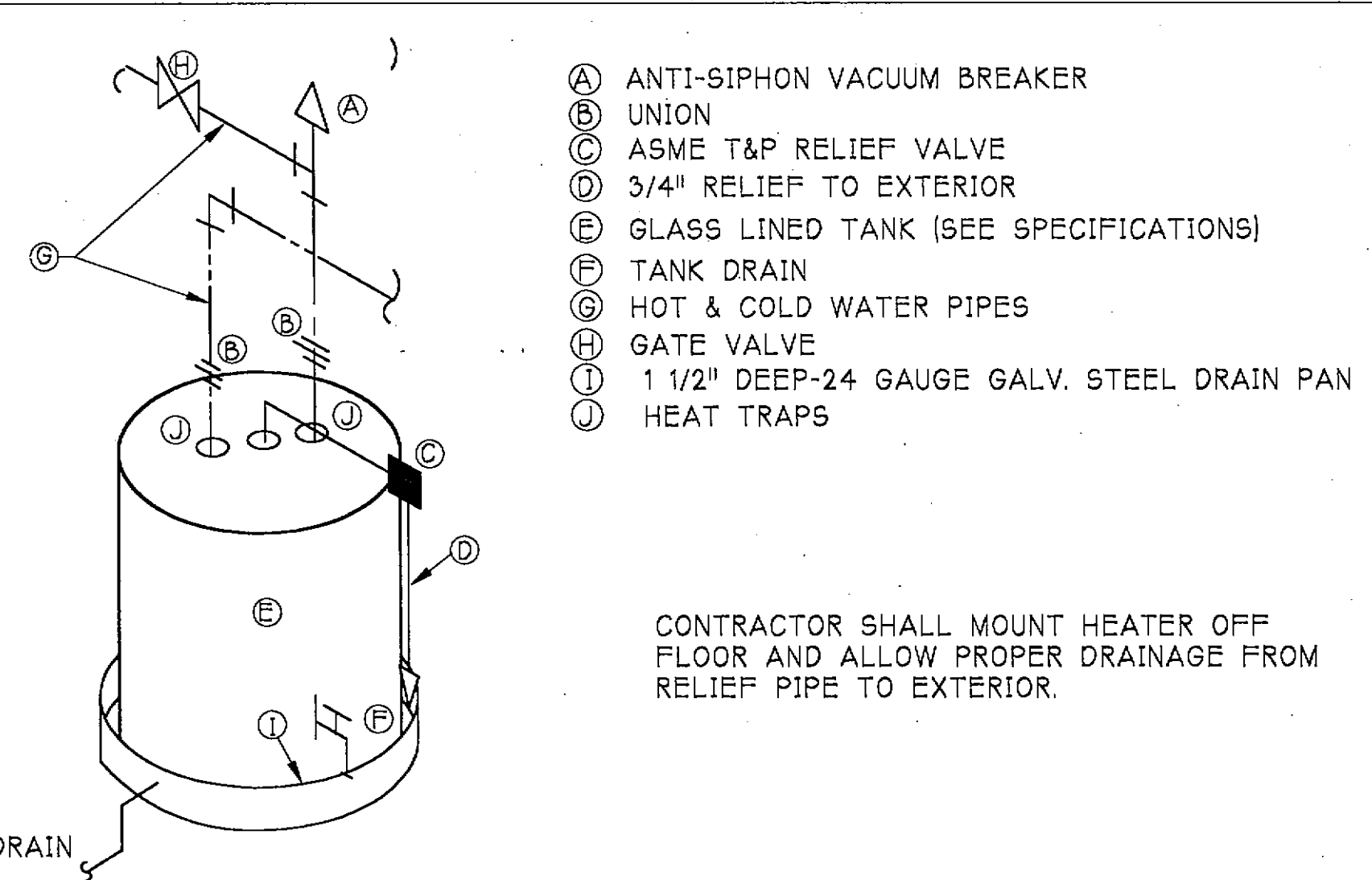
TAKE-OFF DETAIL
NTS



TURNING VANES DETAIL
NTS



IN-LINE FAN DETAIL
NTS



WATER HEATER DETAIL
NTS

FAN SCHEDULE

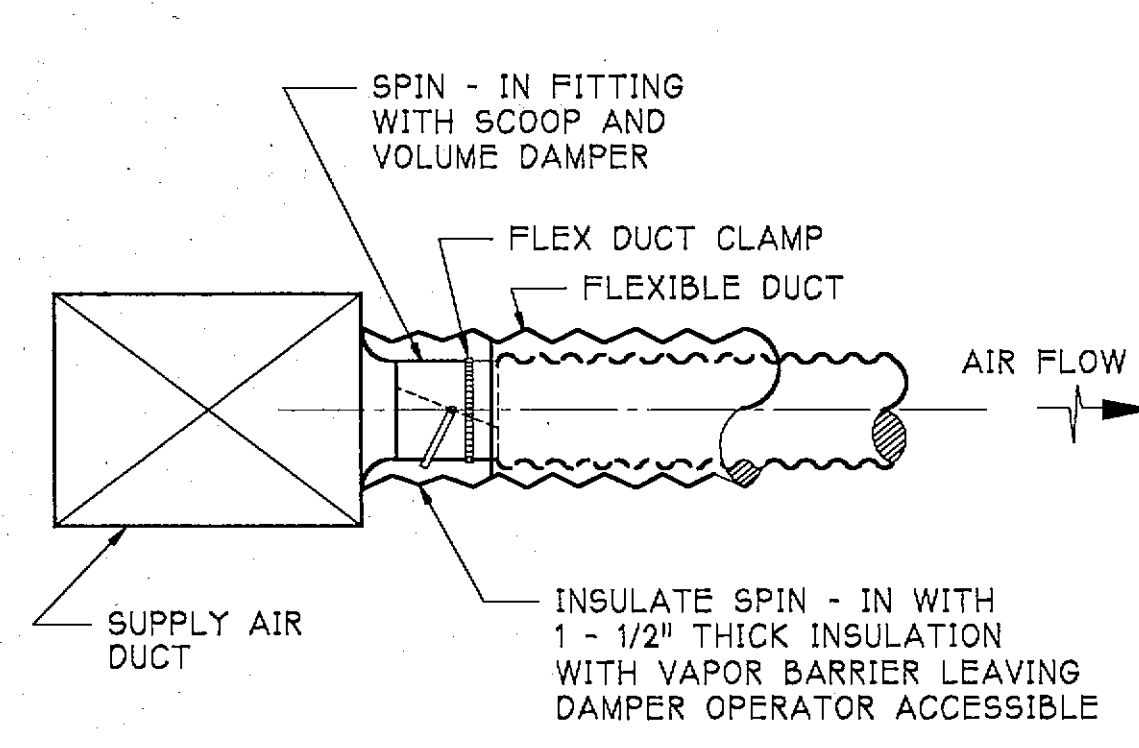
TAG	LOCATION	FUNCTION	FAN TYPE	DRIVE TYPE	CFM	TSP IN WG	RPM	MAX SONES	MOTOR DATA			
									BHP	MOTOR HP	VOLTS	PHASE
EF-1	ABOVE CEILING	EXHAUST	INLINE	BELT	850	.40	1035	10.0	.15	1/4	120	1
SF-1	MECH. ROOM	SUPPLY	INLINE	BELT	1400	.375	990	10.0	.20	1/4	120	1

ACCESSORIES:
1. DISCONNECT
2. BACKDRAFT DAMPER
3. BASIS OF DESIGN: GREENHECK B9Q SERIES

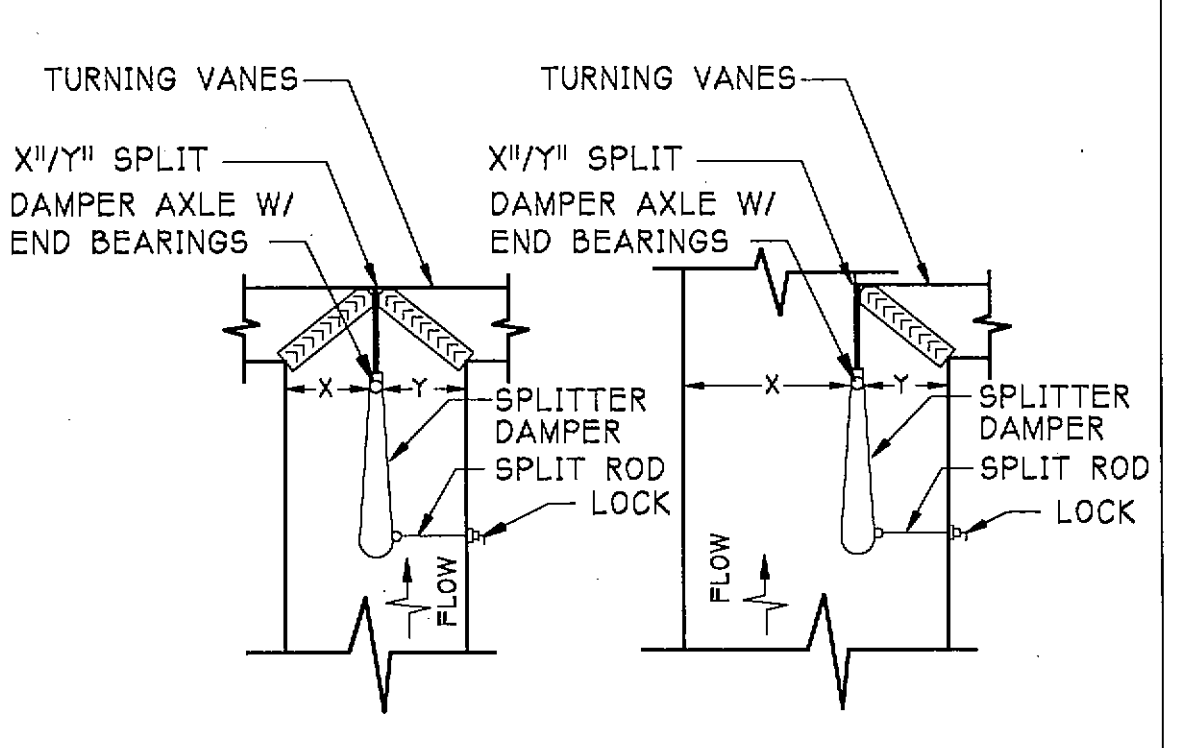
DIFFUSER/GRILLE SCHEDULE

SR-1	SUPPLY REGISTER - WALL MOUNTED, ALUMINUM BLADES, 3/4" SPACING WITH DOUBLE DEFLECTION, FRONT BLADES PARALLEL TO LONG SIDE. BASIS OF DESIGN - TITUS MODEL #272 FL [36"x4"]
LD-#	LINEAR DIFFUSER - # INDICATES LENGTH OF SLOTS IN FEET. CEILING MOUNTED, CONTINUOUS 3/4" SINGLE SLOT OPENING, MATERIAL SHALL BE EXTRUDED ALUMINUM W/ STEEL PATTERN CONTROLLERS. PROVIDE STANDARD WHITE FINISH. PROVIDE BORDER TYPE FOR CEILING INSTALLED. FURNISH TITUS ML-38 W/ MAX. NC LEVEL OF 25
24"x24" OR 48"x24"	RETURN AIR REGISTER ALUMINUM CONSTRUCTION, EGG CRATE GRILLE WITH OPPOSED BLADE DAMPER BORDER TYPE SHALL BE LAY-IN CEILING TYPE SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPE. GRILLE SHALL BE FULL FACE OF MODULE. SIZE NECK ACCORDINGLY: NECK CFM 8"x8" 160 OR LESS 10"x10" 161 TO 300 12"x12" 301 TO 500 16"x16" 501 TO 800 24"x24" 901 AND UP BASIS OF DESIGN - TITUS MODEL #50F
EG-1	SAME AS RG-1 EXCEPT BORDER TYPE SHALL BE SURFACED MOUNTED.

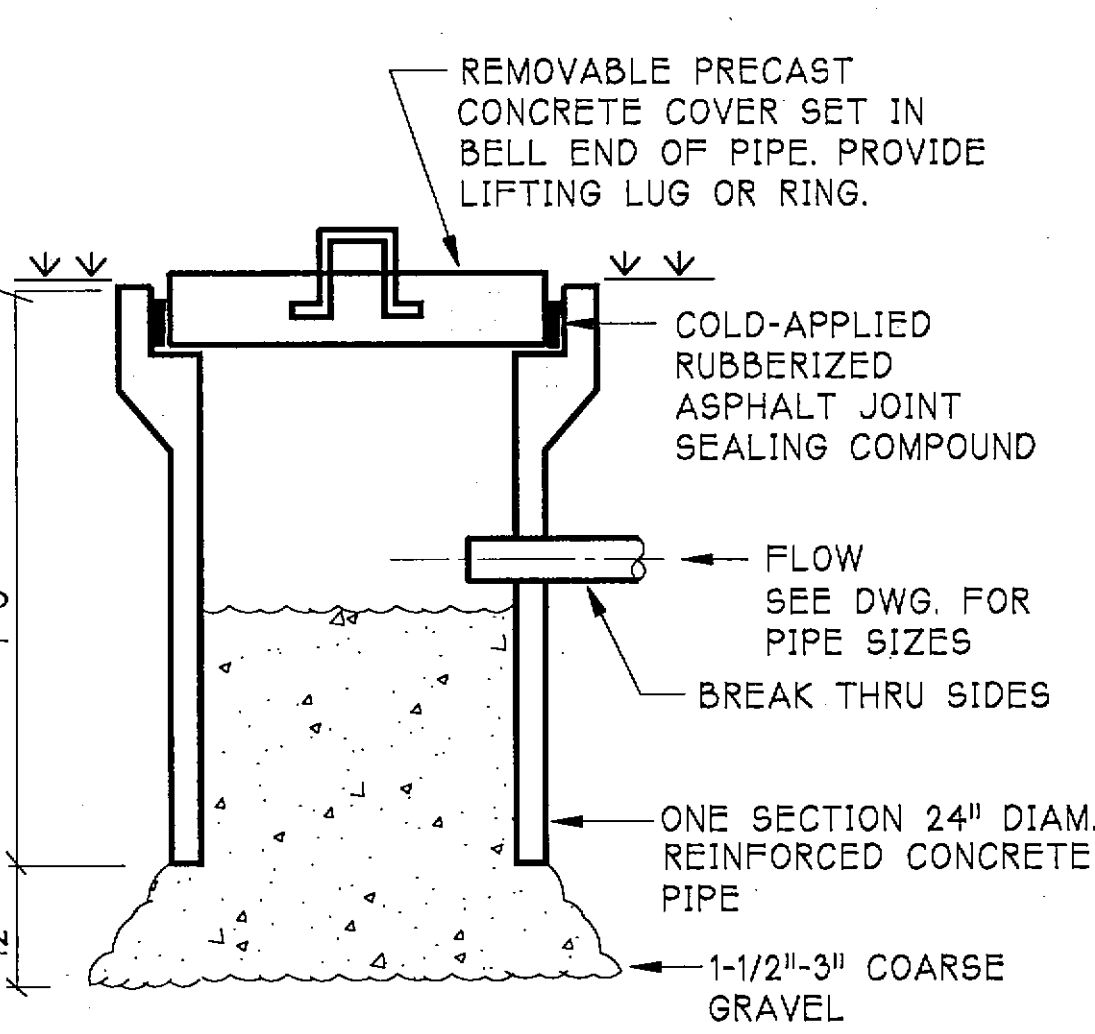
NOTE: ALL AIR DISTRIBUTION DEVICES SHALL BE BAKED ENAMEL WITH STANDARD WHITE FINISH AND SHALL BE FURNISHED WITH OPPOSED BLADE DAMPERS.



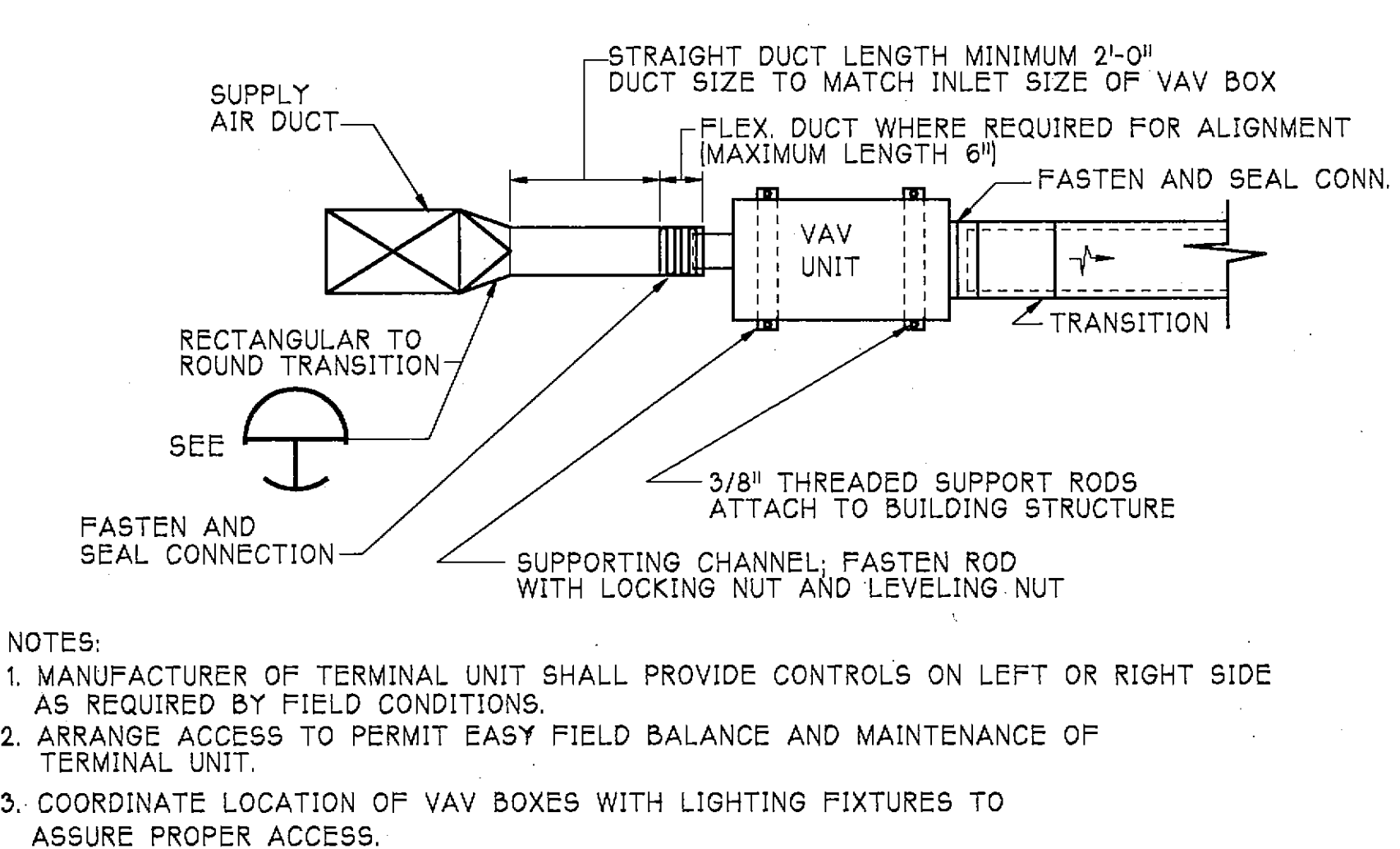
DUCT TRANSITION DETAIL
NTS



DUCT SPLITTER DETAILS
NTS



DRY-WELL DETAIL
NTS

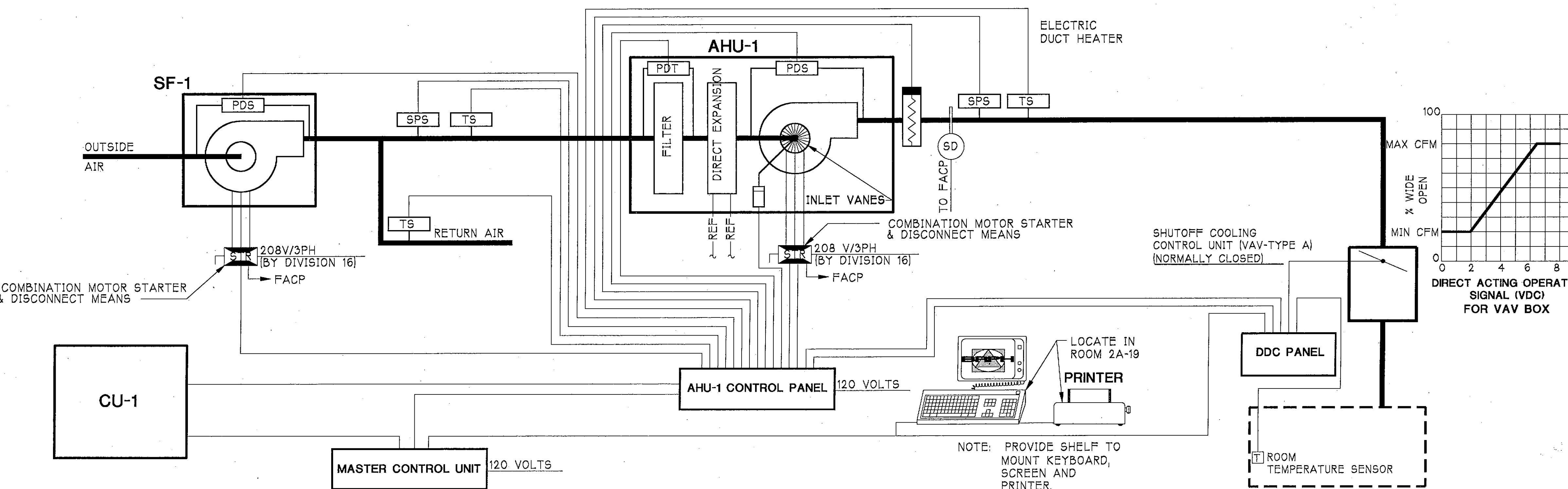


VAV UNIT INSTALLATION
NTS

AIR COOLED CONDENSING UNIT SCHEDULE

TAG	NOMINAL TONNAGE	COMPRESSOR DATA		MIN EER @ ARI	ELECTRICAL DATA	
		TYPE	NO./SIZE (TON)		VOLTS	PHASE
CU-1	40	SCROLL	4 / 10	9.8	208	3

NOTES:
1. REFRIGERANT PIPE SIZES TO BE VERIFIED PER MANUFACTURER'S RECOMMENDATIONS.
2. CAPACITY AT ARI CONDITIONS. 95°F AIR ENTERING.
3. PROVIDE A MINIMUM OF 2 REFRIGERANT CIRCUITS.



AUTOMATIC TEMPERATURE CONTROL SYSTEM (ATCS)

CONTROL LEGEND

- TS DUCT TEMPERATURE SENSOR
- PDT PRESSURE DIFFERENTIAL TRANSDUCER
- PDS PRESSURE DIFFERENTIAL SWITCH
- SPS STATIC PRESSURE SENSOR
- MS MOTOR STARTER
- RT ROOM TEMPERATURE SENSOR

VAV BOX SCHEDULE

ITEM	VALVE NOMINAL CFM	MINIMUM CFM	INLET CONN.
ZD-1	775	80	10"
ZD-2	330	60	6"
ZD-3	620	80	10"
ZD-4	350	100	6"
ZD-5	150	40	5"
ZD-6	725	80	10"
ZD-7	1400	240	12"
ZD-8	525	60	8"
ZD-9	575	60	8"
ZD-10	330	200	6"
ZD-11	600	400	10"
ZD-12	690	120	10"
ZD-13	480	80	8"
ZD-14	575	80	8"
ZD-15	450	60	8"
ZD-16	525	60	8"
ZD-17	400	40	8"
ZD-18	1300	240	12"
ZD-19	440	80	8"
ZD-20	1220	200	12"

NOTES:
1. VAV BOXES SHALL BE SIZED TO HAVE A MAX. RADIATED & DISCHARGE NC OF 30.
2. VAV BOXES SHALL BE CONTROLLED BY A DIRECT DIGITAL CONTROLLER & INTERFACE W/ THE AUTOMATIC TEMPERATURE CONTROL SYSTEM.
3. DIV. 16 SHALL PROVIDE A 120V POWER SERVICE TO EACH VAV BOX. PROVIDE CONTROL TRANSFORMER AS REQUIRED.
4. SEE SPECIFICATION SECTION 15933 'AIR TERMINALS' FOR ADDITIONAL REQUIREMENTS.
5. BASIS OF DESIGN: TRANE

DESIGN PARAMETERS

OUTSIDE AIR
SUMMER- 95° DB
80° WB
WINTER- 25° DB

INSIDE AIR *
SUMMER- TEMPERATURE 76° DB
HUMIDITY 50% (UNCONTROLLED)
WINTER- TEMPERATURE 72° DB

EXHAUST REQUIREMENTS:
TOILETS- MIN. 2CFM/ SQ. FT.
CUSTODIAL ROOM- MIN. 2 CFM/SQ. FT.

OUTSIDE AIR CFM
20 CFM / PERSON
OCCUPANCY OF 70 PEOPLE
OA = 1400 CFM

SEQUENCE OF OPERATION

1.0 GENERAL
THE HYAC EQUIPMENT SHALL BE CONTROLLED BY A MICROPROCESSOR AUTOMATED TEMPERATURE AND CONTROL SYSTEM (ATCS). THE SYSTEM SHALL INCLUDE TIME OF DAY SCHEDULING, DIRECT DIGITAL CONTROL, TEMPERATURE CONTROL, NIGHT TIME SET-BACK WITH OVERRIDE AND ALARM CONDITIONS.

2.0 EQUIPMENT OPERATION

2.1 AIR SIDE EQUIPMENT
AHU-1, SF-1 AND EF-1 SHALL OPERATE PER TIME-OF-DAY SCHEDULING AS DETERMINED BY OWNER. BOTH SF-1 AND EF-1 SHALL OPERATE CONTINUOUSLY.

2.2 COOLING MODE (OCCUPANCY)
THE ATCS SHALL MONITOR SPACE TEMPERATURES AND RESPECTIVE ZONE DAMPERS AND DETERMINE THE SYSTEMS MODE OF OPERATION (COOLING AND HEATING). IN THE COOLING MODE THE ATCS SHALL ENERGIZE THE CONDENSING UNIT'S RESPECTIVE COMPRESSORS AS REQUIRED TO MEET THE COOLING DEMAND.
THE ATCS SHALL MODULATE THE SUPPLY AIR FLOW TO MAINTAIN THE COOLING REQUIREMENTS OF THE SPACE. THE UNITS INLET VANES SHALL MODULATE TO MAINTAIN A DUCT STATIC PRESSURE OF 10 INCHES WATER GAGE (ADJUSTABLE).
VARIABLE AIR VOLUME (VAV) BOXES SHALL MODULATE THE SUPPLY AIR INTO THE SPACE AS REQUIRED TO MAINTAIN THE TEMPERATURE SET POINT AS SENSED BY A SPACE SENSOR.

2.3 HEATING MODE (OCCUPANCY)
DURING THE HEATING MODE THE ATCS SHALL ENERGIZE THE FIRST STAGE OF HEATING FOR EDH+1. ON AN INCREASED DEMAND FOR HEATING THE ADDITIONAL STAGES SHALL BE ENERGIZED.

2.4 NON-OCCUPANCY MODE
THE ATCS SHALL HAVE A NON-OCCUPANCY MODE IN WHICH ONLY THE SYSTEM SHALL OPERATE AND MONITOR THE BLDG. 'OFF-HOUR' PARAMETERS. THE ATCS SHALL SET THE VAV BOXES TEMPERATURE CONTROL FOR EACH SPACE AT 65°F (ADJUSTABLE) COOLING, 60°F HEATING UNLESS LOCALLY OVERRIDDEN.

2.5 MISCELLANEOUS
THE ATCS SHALL CONTINUOUSLY MONITOR AND ALARM THE FOLLOWING:
- PRESSURE DROP ACROSS FILTERS
- OPERATING PARAMETERS OF THE AHU-1, SF-1, EF-1, CU-1, AND VAV BOXES
- SPACE AND DUCT TEMPERATURES
- OUTDOOR TEMPERATURE
SEE SPECIFICATIONS SECTION 15971 'AUTOMATIC TEMPERATURE CONTROL SYSTEM' FOR ADDITIONAL REQUIREMENTS.

AIR HANDLING UNIT SCHEDULE

GENERAL	ITEM	AHU-1
ARRANGEMENT	VDT	
SA CFM	16,250	
OA CFM	1400	
RA CFM	14,850	
TSP IN WG	2.2	
ESP IN WG	1.5	
RPM	650	
BHP	11.4	
MOTOR HP	15.0	
VOLTS/PH	208/3	
FILTER TYPE	PLEATED	
TYPE	2"	
SA CFM	16,250	
MIN TSH CAP BTU	389,000	
MIN GTH CAP BTU	465,000	
MAX ASD IN WG (WET)	0.70	
MAX COIL FV FPM	550	
EAT °F DB	76.5	
EAT °F WB	64.8	
LAT °F DB	56.6	
LAT °F WB	56.1	
MIN ROWS	6	
MAX FINS PER FT	144	
ELECTRIC HEAT KW	4.8	
VOLTS/PH	208/3	

* UNIT SHALL BE FURNISHED W/ A DIRECT EXPANSION COIL W/ R-22
BASIS OF DESIGN: TRANE MODULAR CLIMATE CHANGER UNIT SIZE 35 FURNISHED W/ DOUBLE WALL CONSTRUCTION & FLAT FILTER

NOT FOR CONSTRUCTION
MAR 2, 1994

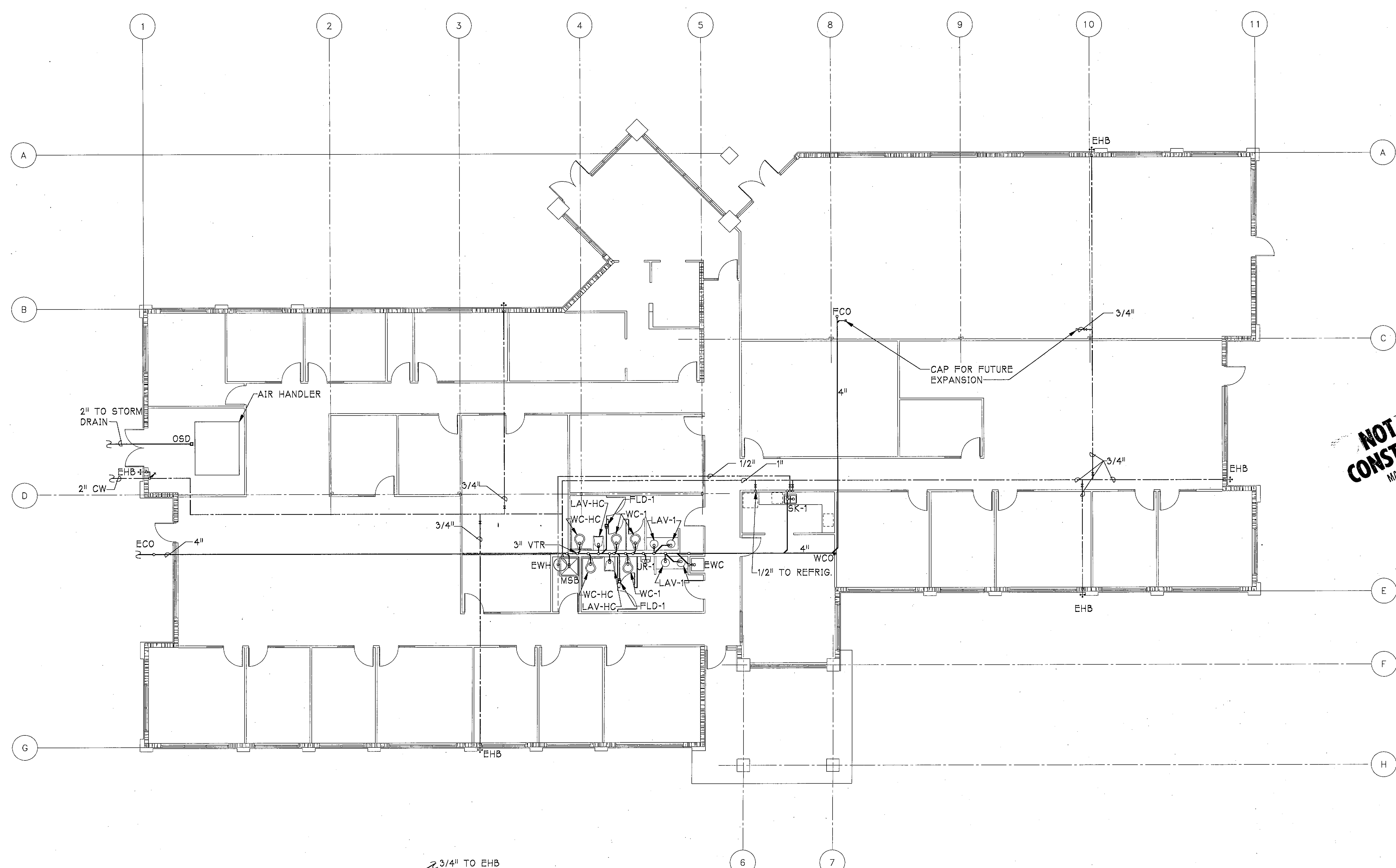
ELECTRIC WATER HEATER SCHEDULE

MARK	TYPE	GALLONS	RECOVERY GPH	KW	VOLTS	PH	REMARKS
EW-1	ELECTRIC	40	36	6	480	3	PROVIDE DRAIN PAN

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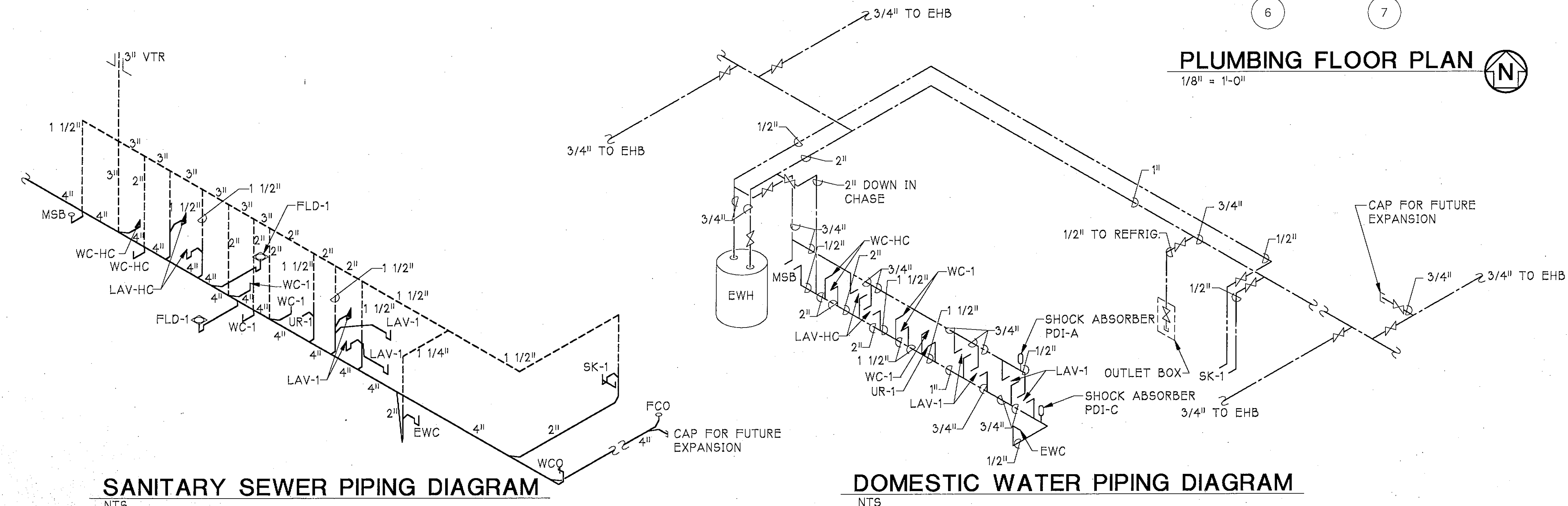
OFFICE BUILDING
MELBOURNE, FLORIDA
HOYMAN, DOBSON & COMPANY
MECHANICAL SCHEDULES & DETAILS

DATE
DESIGNED BY
DESILVA
DRAWN BY
OKERSTROM
CHECKED BY
HOUSER
CAD CODE
3605.01M-2
PROJECT NO.
3605.01
DRAWING NO.
M-2
SHEET OF



NOT FOR CONSTRUCTION
MAR 2 1994

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



SANITARY SEWER PIPING DIAGRAM
NTS

DOMESTIC WATER PIPING DIAGRAM
NTS

PLUMBING FIXTURE SCHEDULE					
ITEM	FIXTURE	TRAP	CW	HW	REMARKS
WC-1	WATER CLOSET HANDICAPPED	INTEGRAL	1"	--	FLOOR MOUNT, VITREOUS CHINA WITH FLUSH VALVE
WC-2	WATER CLOSET	INTEGRAL	1"	--	FLOOR MOUNT, VITREOUS CHINA WITH FLUSH VALVE
UR-1	URINAL	INTEGRAL	3/4"	--	WALL HUNG, VITREOUS CHINA WITH CONCEALED ARM CARRIER AND FLUSH VALVE
LAV-1	LAVATORY HANDICAPPED	1 1/2"	1/2"	1/2"	COUNTER TOP VITREOUS CHINA
LAV-2	LAVATORY	1 1/2"	1/2"	1/2"	WALL HUNG VITREOUS CHINA
SK-1	SINK (SINGLE)	1 1/2"	1/2"	1/2"	COUNTER TOP
MSB	MOP SINK BASIN	3"	1/2"	1/2"	FLOOR MOUNTED
EWC	ELECTRIC WATER COOLER	1 1/4"	3/8"	--	SEE SPECIFICATIONS FOR DETAILS
FLD-1	FLOOR DRAIN	3"	--	--	5" SQUARE STRAINER W/ TRAP PRIMER
OSD	OPEN SITE DRAIN	3"	--	--	SEE SPECIFICATIONS FOR DETAILS PROVIDE BACKWATER VALVE.

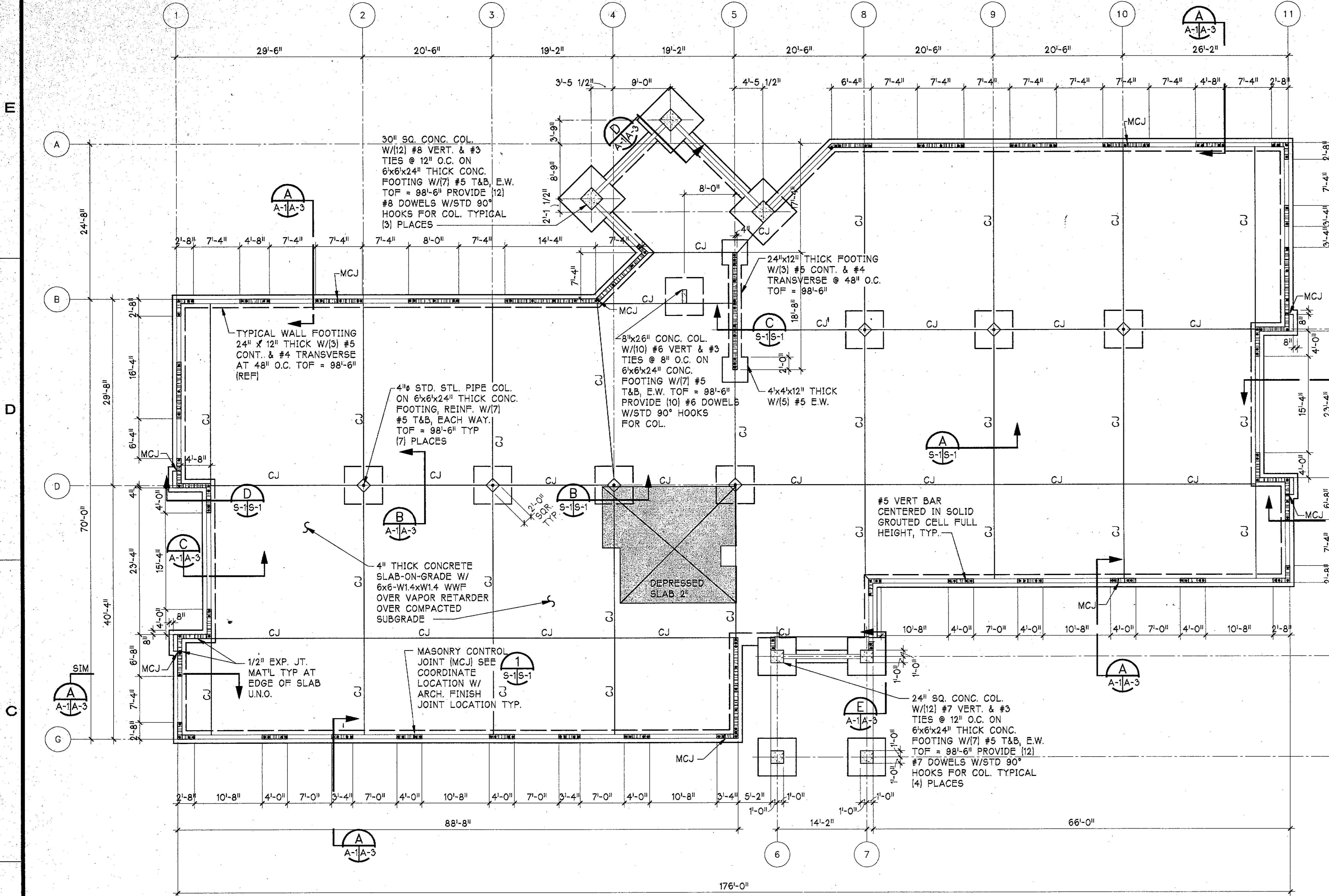
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

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PLUMBING PLAN

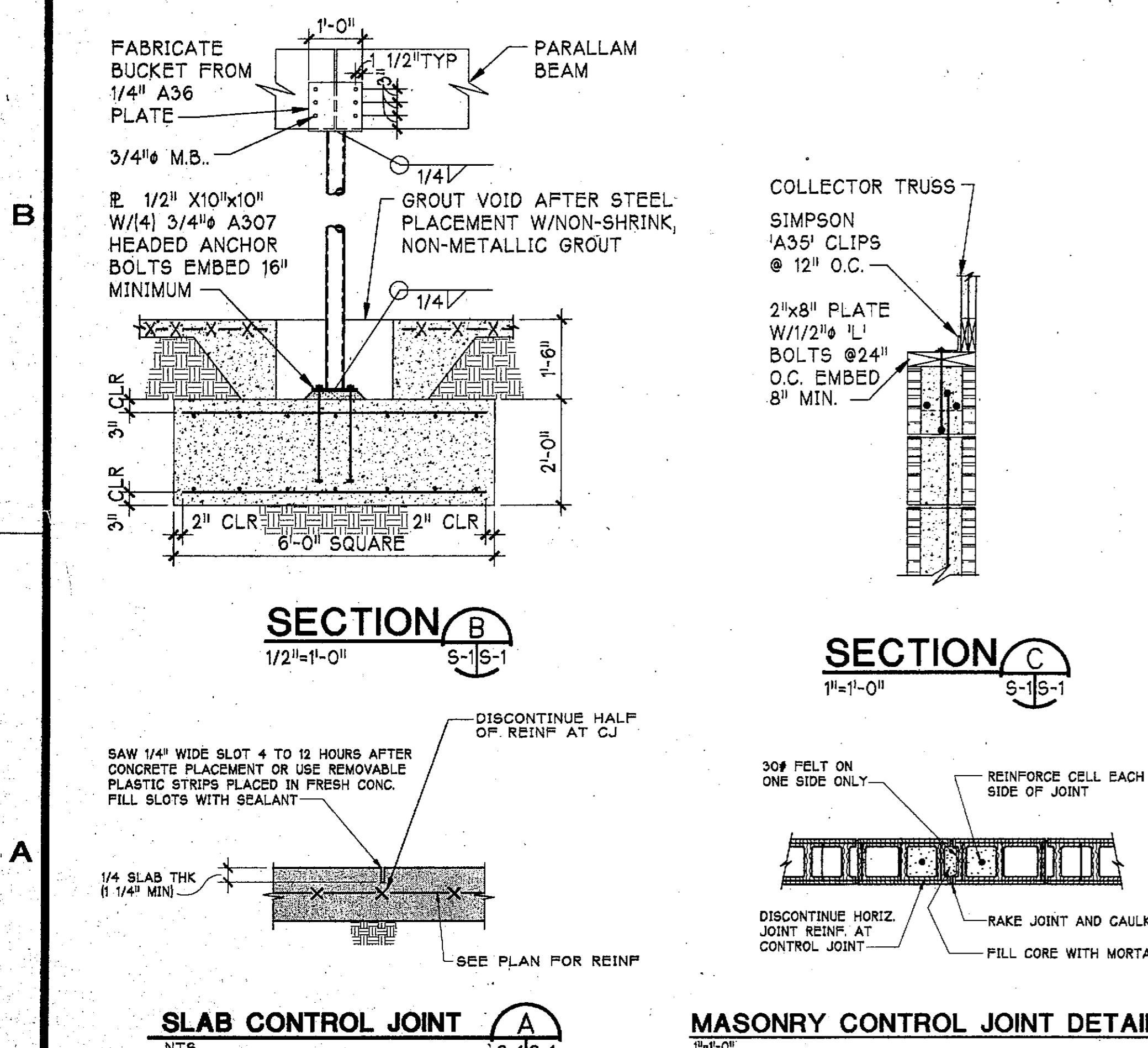
DATE	BY	CHK	REVISION

DESIGNED BY: DESILVA
DRAWN BY: OKERSTROM
CHECKED BY: HOUSER
CAD CODE: 3605.01/P-1
PROJECT NO.: 3605.01
DRAWING NO.: P-1
SHEET OF



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

- GENERAL:**
1. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH PROJECT DRAWINGS AND SPECIFICATIONS FOR CONCRETE MASONRY STRUCTURES.
 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONAL CONSTRUCTIONS AND ANCHOR BOLT LOCATIONS FROM STEEL FABRICATIONS AND SOLE SETTING PLANS.
 3. THE CONTRACTOR SHALL WORK STRUCTURAL DRAWINGS TOGETHER WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS TO DETERMINE THE LOCATION OF ALL STRUCTURAL AND MECHANICAL ELEMENTS. GRADES, ETC. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY UPON DETECTION.
 4. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE ADJUSTED TO APPLY TO ANY UNUSUAL SITUATION OCCURRING ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND LOCATIONS OF ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS.
 5. THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS UPON THE INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING AND OTHER TEMPORARY STRUCTURES AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE STRUCTURE THROUGHOUT CONSTRUCTION.
 6. DESIGN LOADS: REFER TO THE CITY STANDARD BUILDING CODE. DESIGN FOR WIND SPEED: 100 MPH.
 7. FOUNDATIONS AND SLABS ON GRADE ARE DESIGNED TO BEAR ON SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 PSF.
 8. PROTECT THE SURFACE FROM THE SURFACE WITH A HEAVY NONVOLATILE POLYMER TO 20 MILS THICK FOR EXPOSED SURFACES.
 9. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING TO MAINTAIN THE INTEGRITY OF THE STRUCTURE THROUGHOUT CONSTRUCTION.
- GENERAL NOTES: CONCRETE:**
1. ALL CONCRETE STRENGTHS SHALL BE AS FOLLOWS:
FOUNDATIONS: 3000 PSI
SLABS ON GRADE: 3000 PSI
ALL OTHER CONCRETE: 3000 PSI
 2. ALL CONCRETE SHALL BE PLACED AND FINISHED TO THE SPECIFIED FINISH AND SHALL BE CURED AS REQUIRED.
 3. ALL REINFORCING STEEL SHALL BE CONFORM TO ASTM A618 GRADE 60 (FY=60 KSI) AND SHALL BE PROVIDED AS REQUIRED BY THE DESIGN DRAWINGS.
 4. ALL CONCRETE SHALL BE PLACED AND FINISHED TO THE SPECIFIED FINISH AND SHALL BE CURED AS REQUIRED.
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- GENERAL NOTES: WOOD:**
1. ALL WOOD FRAMING SHALL BE DESIGNED, DETAILED AND CONSTRUCTED IN ACCORDANCE WITH THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
 2. ALL WOOD FRAMING SHALL BE DESIGNED, DETAILED AND CONSTRUCTED IN ACCORDANCE WITH THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
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- GENERAL NOTES: WOOD TRUSSES:**
1. THE WOOD TRUSSES SHALL BE DESIGNED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATED. ALL TRUSSES SHALL BE IN ACCORDANCE WITH THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD TRUSSES.
 2. THE FABRICATOR SHALL SUBMIT A STRUCTURAL SUBMITTAL BEARING THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR REVIEW TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. THE SUBMITTAL SHALL INCLUDE THE FOLLOWING: TRUSS LAYOUT DRAWINGS, TRUSS DESIGN CALCULATIONS, AND TRUSS FABRICATION DRAWINGS.
 3. THE FABRICATOR SHALL SUBMIT A STRUCTURAL SUBMITTAL BEARING THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR REVIEW TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. THE SUBMITTAL SHALL INCLUDE THE FOLLOWING: TRUSS LAYOUT DRAWINGS, TRUSS DESIGN CALCULATIONS, AND TRUSS FABRICATION DRAWINGS.
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- GENERAL NOTES: CONCRETE (CONTINUED):**
1. UNLESS OTHERWISE PERMITTED OR SPECIFIED, THE CONCRETE SHALL BE PROPORTIONED AND PLACED TO HAVE A SLAB OF 2" MINIMUM AND 5" MAXIMUM UNLESS OTHERWISE SPECIFIED. CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY MEANS OF MECHANICAL VIBRATION.
 2. ALL CONCRETE SHALL BE PLACED AND FINISHED TO THE SPECIFIED FINISH AND SHALL BE CURED AS REQUIRED.
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- GENERAL NOTES: STRUCTURAL STEEL:**
1. ALL STRUCTURAL STEEL SHALL HAVE THE FOLLOWING MINIMUM YIELD STRENGTH UNLESS OTHERWISE NOTED ON THE DRAWINGS:
STRUCTURAL STEEL: FY = 48 KSI
OTHER THAN TUBE SHAPES: FY = 50 KSI
 2. ALL STEEL FABRICATION AND ERECTION SHALL CONFORM TO THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF AISC SPECIFICATION FOR STRUCTURAL STEEL CONSTRUCTION.
 3. ALL STEEL SHALL BE PLACED AND FINISHED TO THE SPECIFIED FINISH AND SHALL BE CURED AS REQUIRED.
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 15. ALL STEEL SHALL BE PLACED AND FINISHED TO THE SPECIFIED FINISH AND SHALL BE CURED AS REQUIRED.
- GENERAL NOTES: STRUCTURAL SUBMITTALS REQUIRED:**
1. THE CONTRACTOR SHALL SUBMIT ALL STRUCTURAL SUBMITTALS IN ACCORDANCE WITH THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
 2. THE CONTRACTOR SHALL SUBMIT ALL STRUCTURAL SUBMITTALS IN ACCORDANCE WITH THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
 3. THE CONTRACTOR SHALL SUBMIT ALL STRUCTURAL SUBMITTALS IN ACCORDANCE WITH THE PRECISE SPECIFICATIONS AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
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BEAM SCHEDULE					
MARK	SIZE	REINF.	STIRRUPS	TOB ELEV.	REF. DETAIL
①	8"x16"	(2)#5 T&B	#3@12"	14'-7 1/2"	E/A-3
②	8"x22-1/2"	(2)#5 T&B AND MID-DEPTH	#3@12"	9'-2"	E/A-3
③	8"x16" (PRECAST LINTEL)	(2)#5 T&B	--	8'-6"	A/A-3
④	8"x33"	(2)#6 T&B (2)#5 MID-DEPTH	#3@12"	VARIES SEE A-2	C/A-3
⑤	8"x28"	(2)#5 T&B & MID-DEPTH	#3@12"	VARIES SEE A-2	C/A-3
⑥	5-1/4"x18" (PARALLAM BEAM)	--	--	9'-5 1/2"	B/A-3
⑦	8"x16"	(2)#5 T&B	#3@12"	9'-2"	--
⑧	6"x7-8 1/2"	#6@6" O.C. HORIZ. #5@12" O.C. VERT.	--	16'-10 1/2"	--
⑨	8"x24"	(2)#5 T&B & MID-DEPTH	#3@12"	9'-2"	--
⑩	6"x3-10 1/2"	#6@6" O.C. HORIZ. #5@12" O.C. VERT.	--	16'-10 1/2"	D/A-3
⑪	6"xVARIES	#6@6" O.C. HORIZ. #5@12" O.C. VERT.	--	16'-10 1/2"	D/A-3 SIM.

