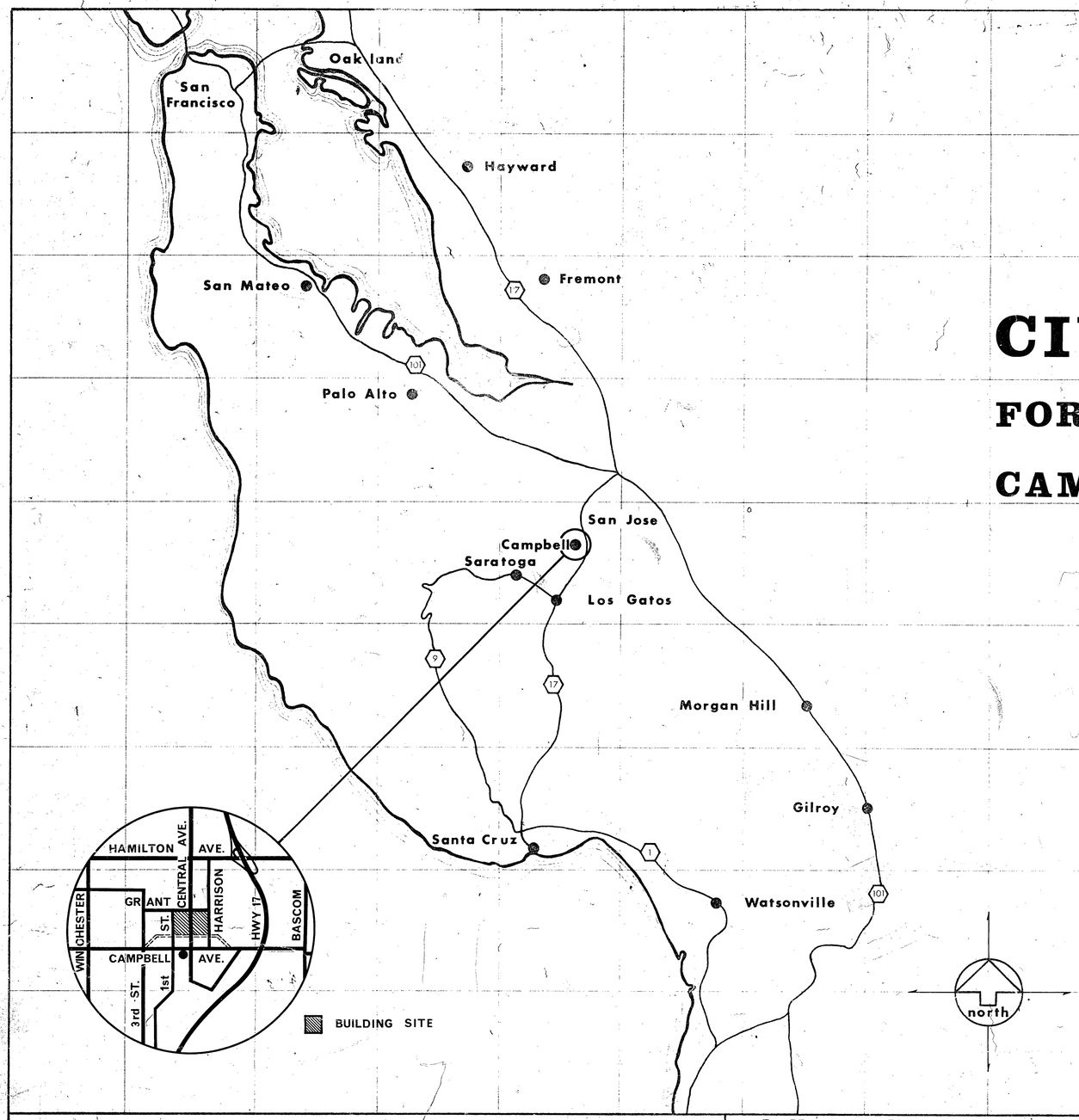

CIVIC CENTER COMPLEX

FOR THE CITY OF CAMPBELL

CAMPBELL CALIFORNIA

LIBRARY PHASE

JOB INSPECTORS PLAN
dates of inspections and corrections are recorded herein
These plans are not to be removed from the location provided.
J. L. Duncan
Project inspector
Clerk of the works

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A-1	SITE PLAN	S-2	FOUNDATION DETAILS	P-2	PLUMBING LOWER LEVEL FLOOR PLAN	E-2	MISCELLANEOUS DETAILS
A-2	LOWER LEVEL PLAN	S-3	FOUNDATION DETAILS	P-3	PLUMBING UPPER LEVEL FLOOR PLAN	E-3	PLOT PLAN
A-3	INTERIOR FINISH & DOOR SCHEDULES, TYPICAL DOOR DETAILS	S-4	UPPER LEVEL FRAMING PLAN	P-4	PLUMBING SCHEDULES & GENERAL NOTES	E-4	UPPER LEVEL LIGHTING PLAN
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A-6	EXTERIOR ELEVATIONS	S-7	UPPER LEVEL FRAMING DETAILS	M-2	MECH. FLOOR PLAN UPPER LEVEL & SCHEDULES	E-7	LOWER LEVEL POWER & SIGNAL PLAN - BASE BID
A-7	BUILDING SECTIONS	S-8	ROOF FRAMING DETAILS	M-3	MECH. FLOOR PLAN ALTERNATE "A", MECH. ROOF PLAN & SCHEDULES	E-8	FIXTURE & PANEL SCHEDULES
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A-15	FINISH MILL WORK & MISCELLANEOUS DETAILS					LA-1	LANDSCAPE PLAN
A-16	ALTERNATE "A" PLAN					LA-2	IRRIGATION PLAN

STRUCTURAL ENGINEER
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423 ALMADEN AVENUE
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PHONE: ~~293-7078~~ 377 1319

MECHANICAL ENGINEER
GEORGE A. GREENE CO.
221 SAINT HACIENDA AVENUE
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PHONE: 374-8850

ELECTRICAL ENGINEER
JACK D. TODD, INC.
245 STOCKTON AVENUE
SAN JOSE, CALIFORNIA 95126
PHONE: 295-4926

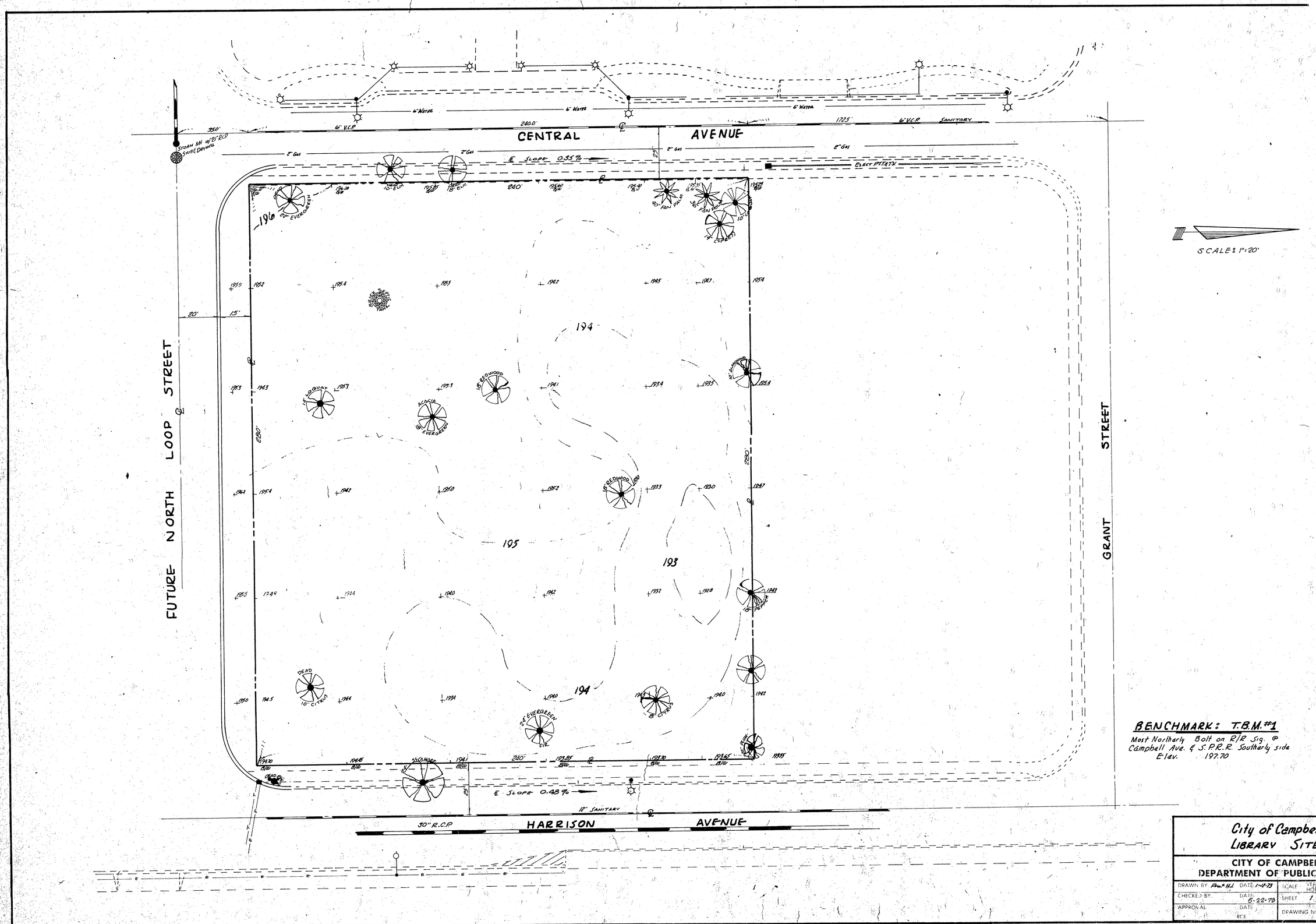
LANDSCAPE ARCHITECT

FROM THE OFFICE OF

WILLIAM W. HEDLEY JR.
ARCHITECT A.I.A.

346 E. CAMPBELL AVE.
CAMPBELL, CALIFORNIA

C-2713
379-7404



BENCHMARK: T.B.M. #1

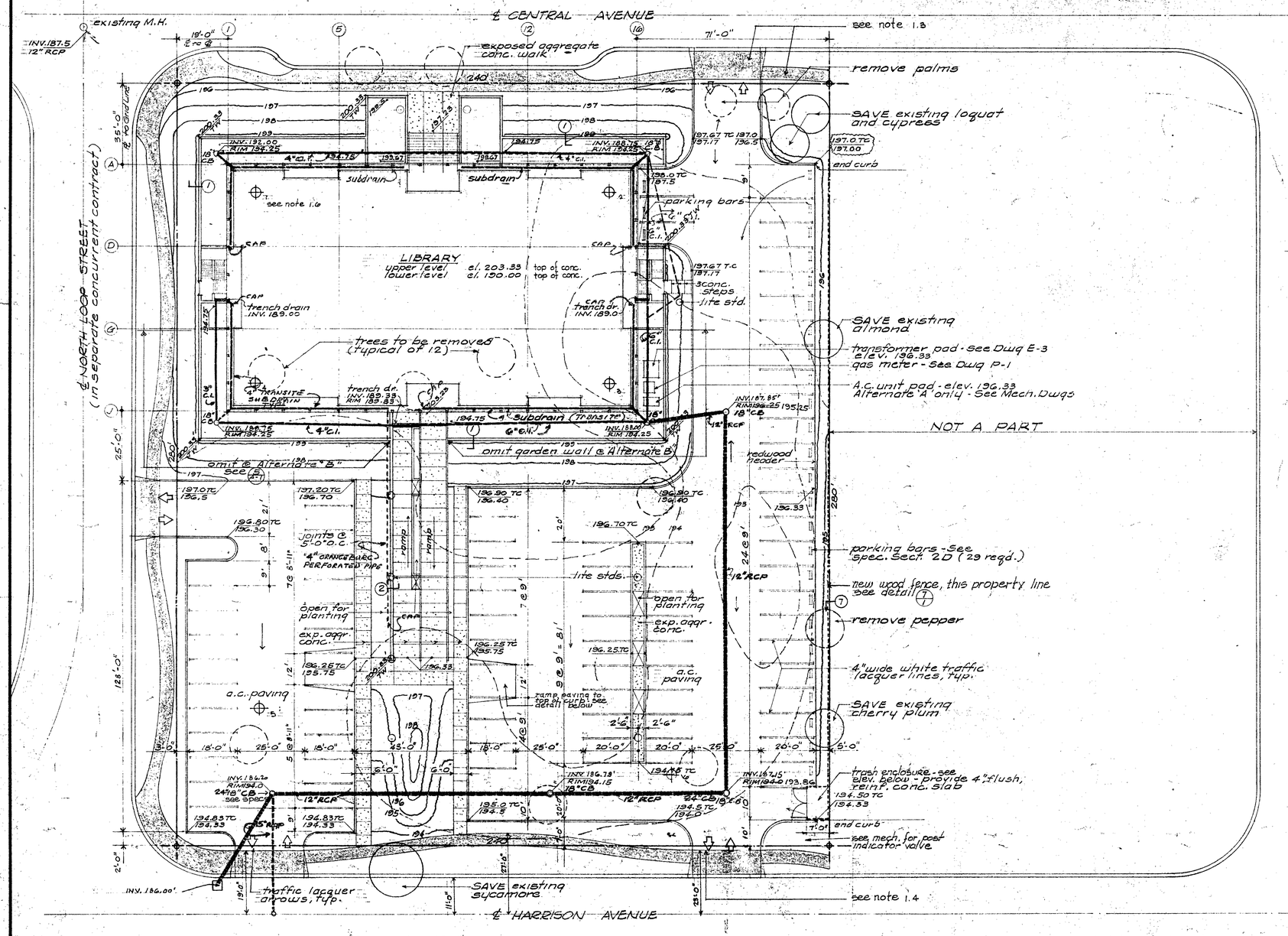
Most Northerly Bolt on R/R Sig. @ Campbell Ave. & S.P.R.R. Southerly side
Elev. 197.70

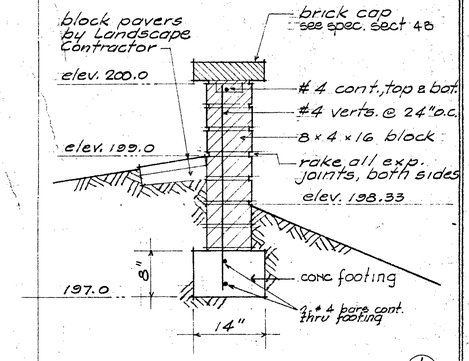
City of Campbell Library Site

CE-1 OF 1

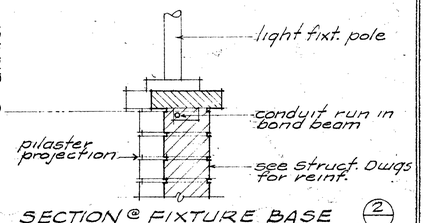
CITY OF CAMPBELL
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: Paul H.L.	DATE: 1-4-73	SCALE: VERT. HORIZ. 1"=20'	
CHECKED BY:	DATE: 5-22-73	SHEET 1 OF 1	
APPROVAL	DATE: RCE	DRAWING NO.	





TYP. GARDEN WALL SECT. (1)
scale 1" = 1'-0"



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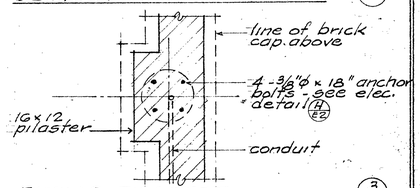
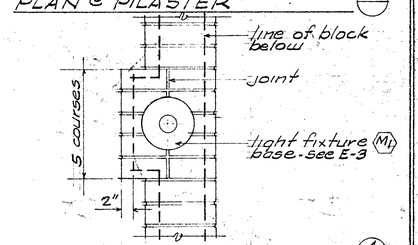


PLAN @ PILASTER (3)



PLAN ABOVE BASE (4)

LIGHT FIXT. (M1) BASE DETS.
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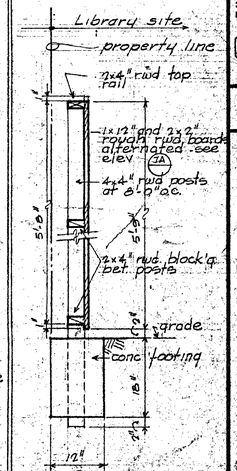
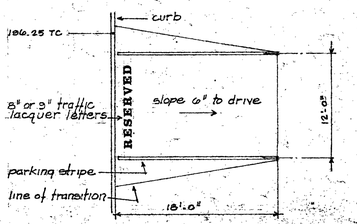


WOOD FENCE DETAIL (7)
scale 3/4" = 1'-0"

SITE PLAN
SCALE: 1" = 40'-0"



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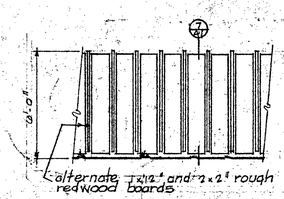
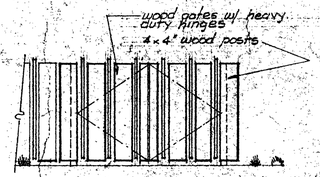


WOOD FENCE ELEV. (7A)
scale 1/4" = 1'-0"



WOOD TRASH ENCLOSURE
scale 1/4" = 1'-0"

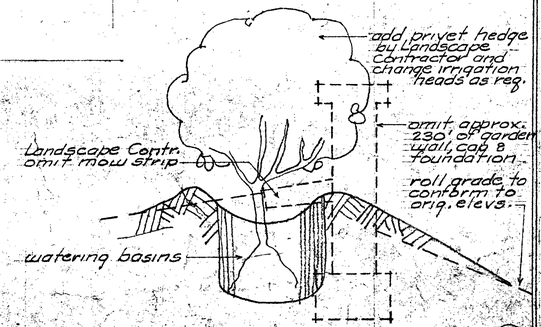


DIAGRAM - ALTERNATE 'B' (5)
no scale

NOTES:

1.1 see Spec. Sections 2C, 2D & 3A for additional Site details.

1.2 see Dwgs. LA-1 & LA-2 for additional Site data.

1.3 shaded sidewalks and drive entrances by City P.W.D. Contract.

1.4 Paving Contractor to meet drive entrance elevs. outside P.L.'s

1.5 All street improvements, curb & gutter, etc. by separate P.W.D. contract.

1.6 indicates soil boring locations.

1.7 Distribute stockpiled topsoil over all areas not paved or occupied by construction to a depth of 4" maximum including areas outside of walks or property lines, to back of street curb.

REVISIONS	
9.18.73	completion
12-21-73	Bid Addenda revisions

JOB: 67-186
DATE: 5-22-73
DRAWN: R.W.
CHECKED:
APPROVED:

THE OFFICE OF
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architect a.i.a.
328 E. CAMPBELL AVE.
CAMPBELL, CALIFORNIA
C-2713
375-1404

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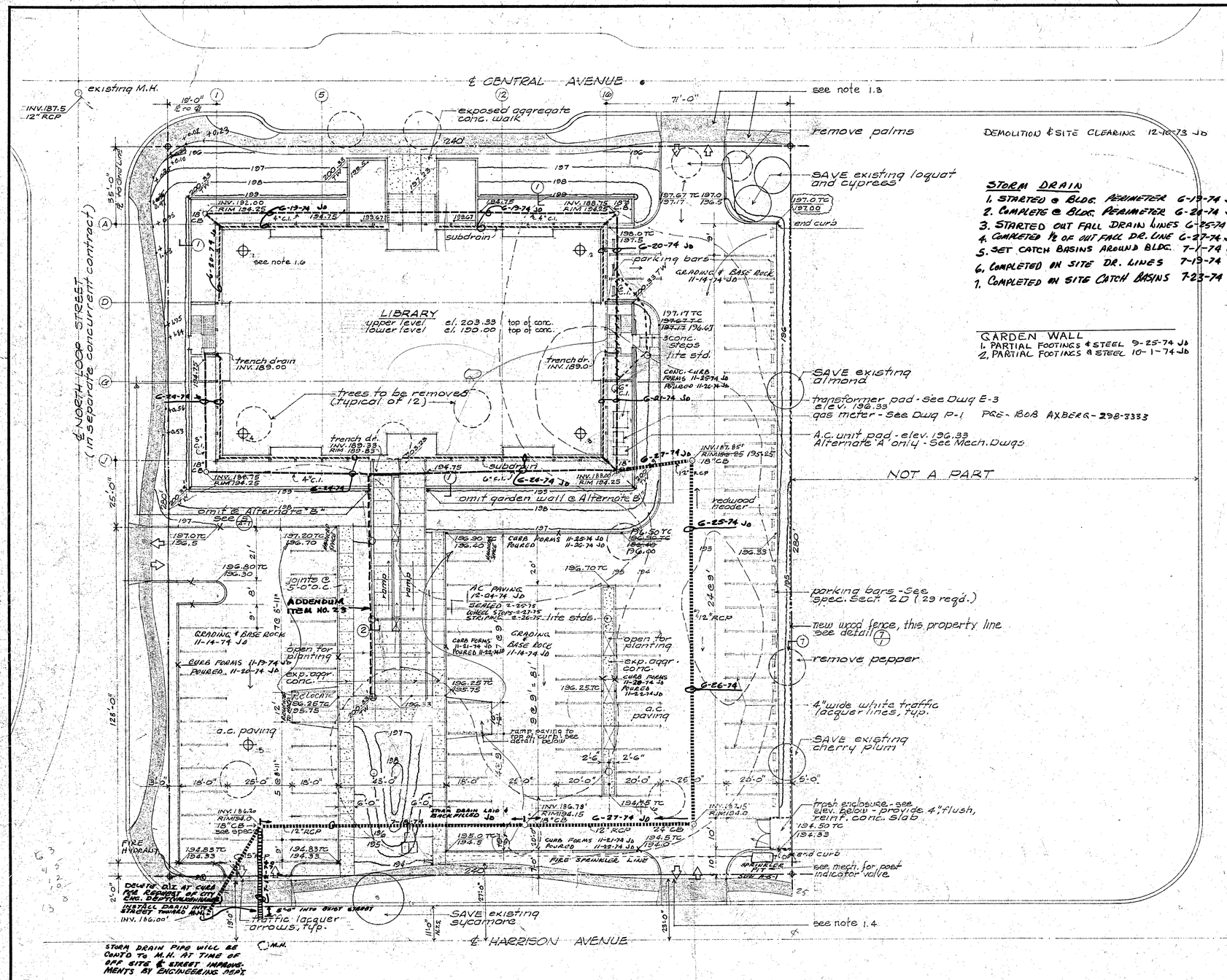
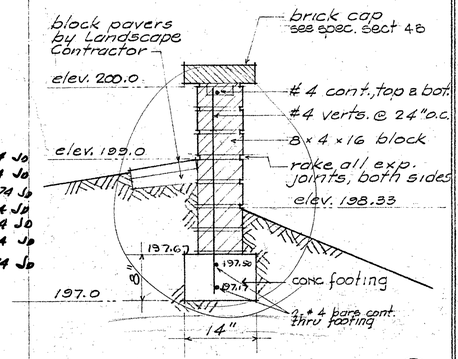
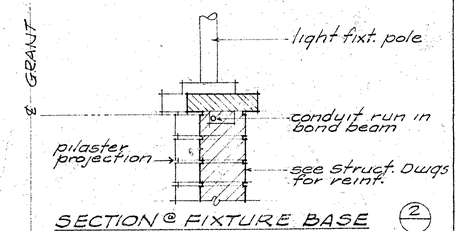
SHEET NO.: A-1
OF 16

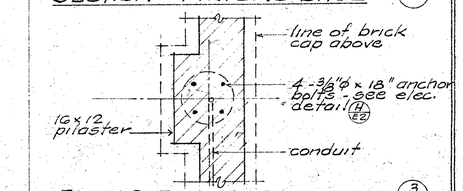




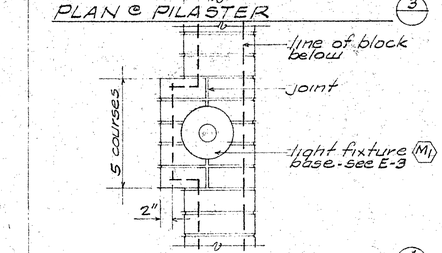
TYP. GARDEN WALL SECT. (1)
scale 1" = 1'-0"



SECTION @ FIXTURE BASE (2)

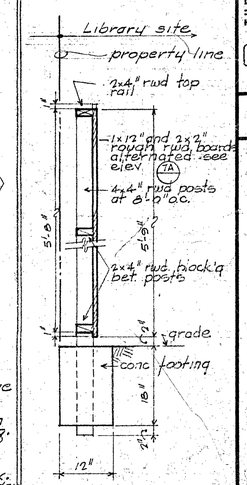


PLAN @ PILASTER (3)



PLAN ABOVE BASE (4)

LIGHT FIXT. (M1) BASE DETS.
scale 1" = 1'-0"



WOOD FENCE DETAIL
scale 3/4" = 1'-0" (7)

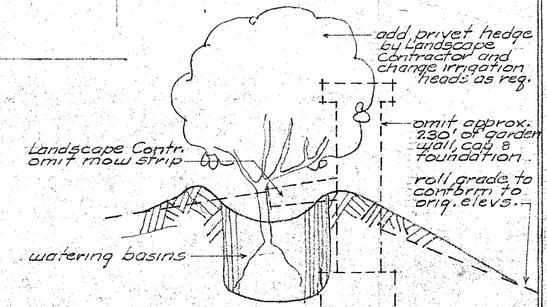
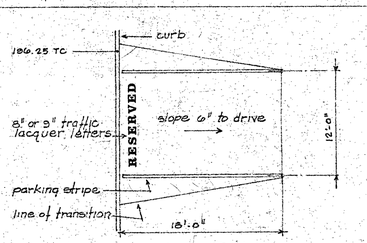
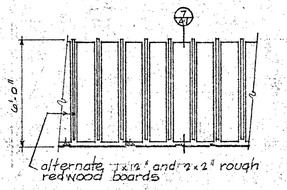


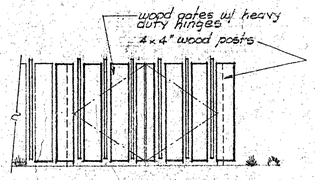
DIAGRAM - ALTERNATE 'B'
no scale (5)



DETAIL (6)



WOOD FENCE ELEV. (7A)
scale 1/4" = 1'-0"



WOOD TRASH ENCLOSURE
scale 1/4" = 1'-0"

SITE PLAN
SCALE: 1" = 20'-0"

NOTES:

1.1 see Spec. Sections 2C, 2D & 3A for additional Site details.

1.2 see Dwgs. LA-1 & LA-2 for additional Site data.

1.3 shaded sidewalks and drive entrances by City P.W.D. Contract.

1.4 Paving Contractor to meet drive entrance elevs. outside P.L.s

1.5 All street improvements, curb & gutter, etc. by separate P.W.D. contract.

1.6 Indicates soil boring locations.

1.7 Distribute stockpiled topsoil over all areas not paved or occupied by construction to a depth of 4" minimum. Include areas outside of walks or property lines to back of street curb.

JOB #	67-1882
DATE	5-22-73
DRAWN	
CHECKED	
APPROVED	

REVISIONS
9-18-73 completion
12-21-73 storm drain rerouting parking lot revision.

THE OFFICE OF
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378-7464
346 E. CAMPBELL AVE.
CAMPBELL, CALIFORNIA

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CAMPBELL, CALIFORNIA

SHEET NO.
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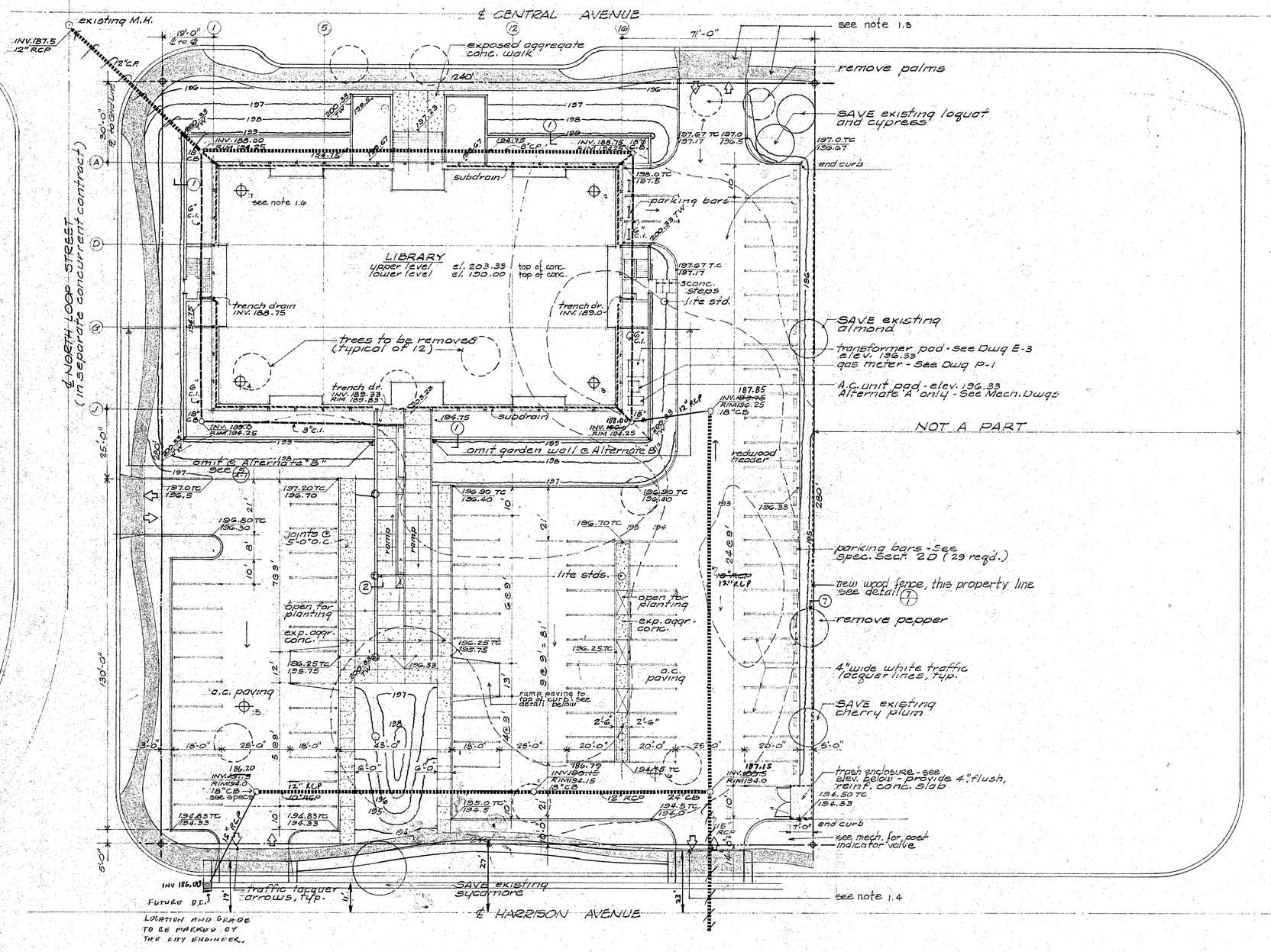
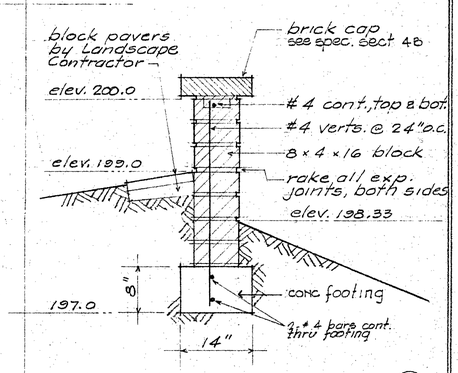
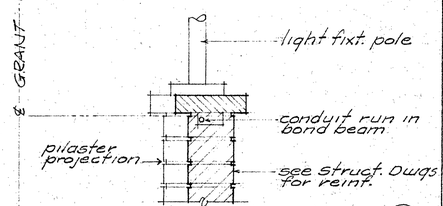
OF 16





TYP. GARDEN WALL SECT. (1)
scale 1" = 1'-0"



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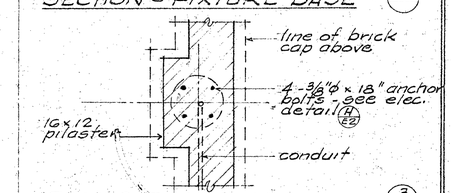
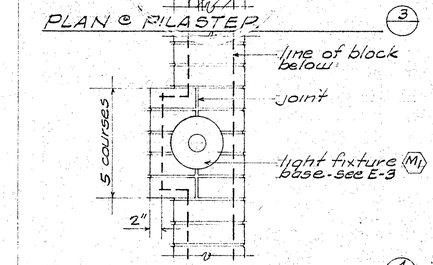
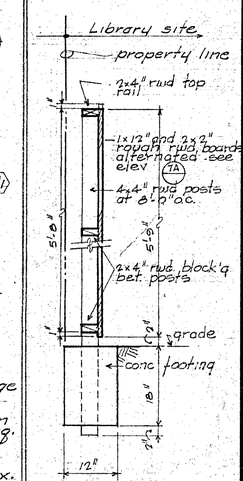


PLAN @ PILASTER (3)

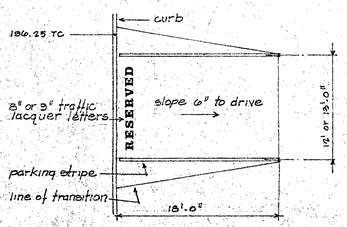


PLAN ABOVE BASE (4)

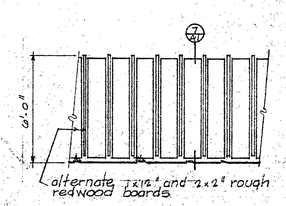
LIGHT FIXT. (M1) BASE DETS.
scale 1" = 1'-0"



WOOD FENCE DETAIL (7)
scale 3/4" = 1'-0"



DETAIL (6)



WOOD FENCE ELEV. (7A)
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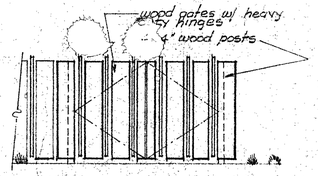


WOOD TRASH ENCLOSURE
scale 1/4" = 1'-0"

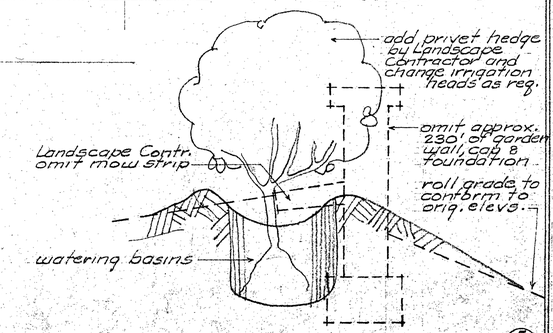
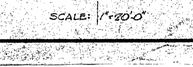


DIAGRAM - ALTERNATE 'B' (5)
no scale



SITE PLAN
SCALE: 1" = 20'-0"

NOTES:

1.1 See Spec. Sections 2C, 2D & 3A for additional Site details.

1.2 See Dwgs. LA-1 & LA-2 for additional Site data.

1.3 Shaded sidewalks and drive entrances by City P.W.D. Contract.

1.4 Paving Contractor to meet drive entrance elevs. outside P.L.s

1.5 All street improvements, curb & gutter, etc. by separate P.W.D. contract.

1.6 Indicates soil boring locations.

1.7 Distribute stockpiled topsoil over all areas not paved or occupied by construction to a depth of 4" minimum. Include areas outside of walks or property lines to back of street curb.

JOB: 67-1881	
DATE: 5-22-73	
DRAWN:	
CHECKED:	
APPROVED:	

REVISIONS

9-18-73	completion

THE OFFICE OF
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CAMPBELL CALIFORNIA

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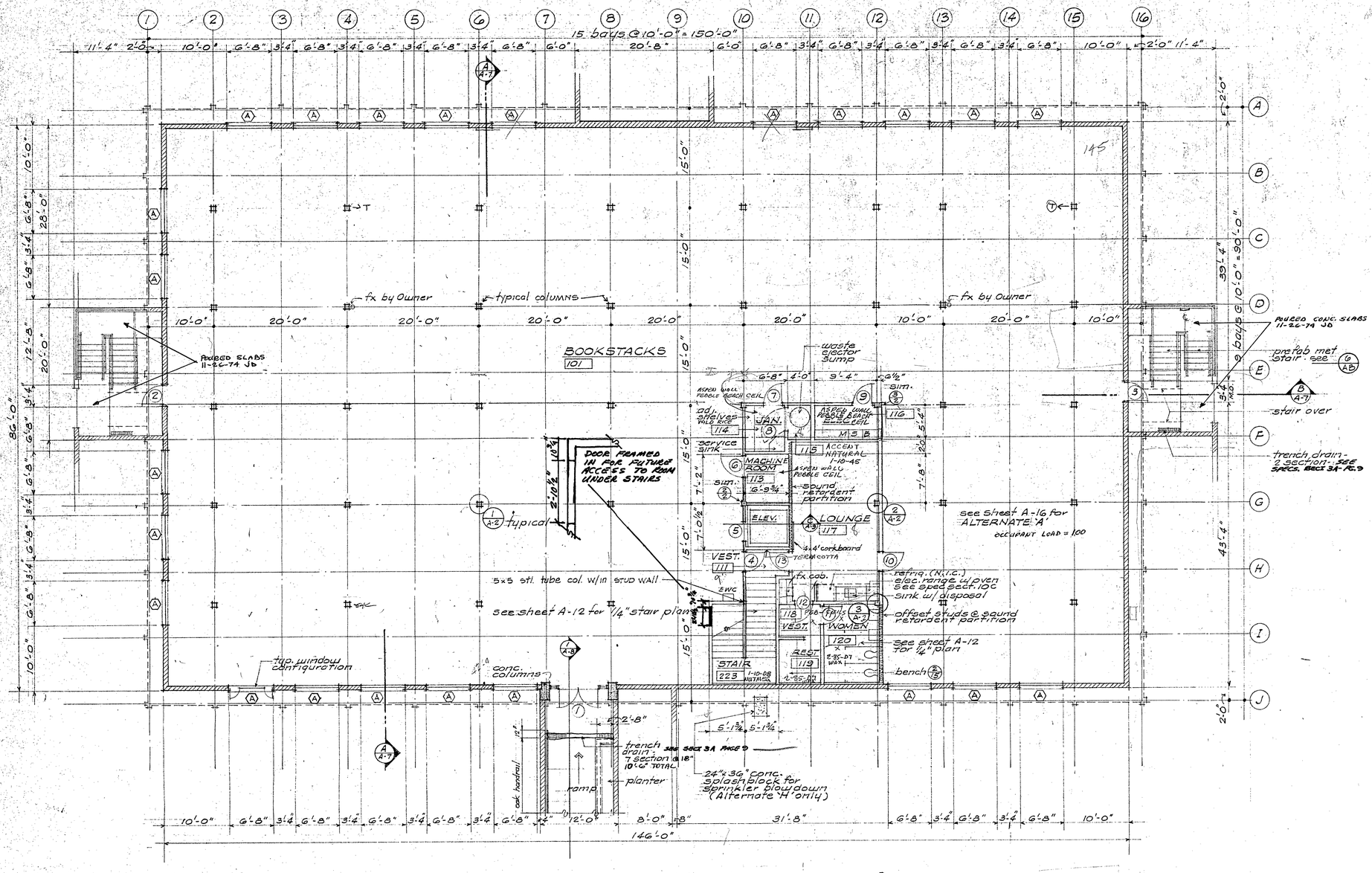

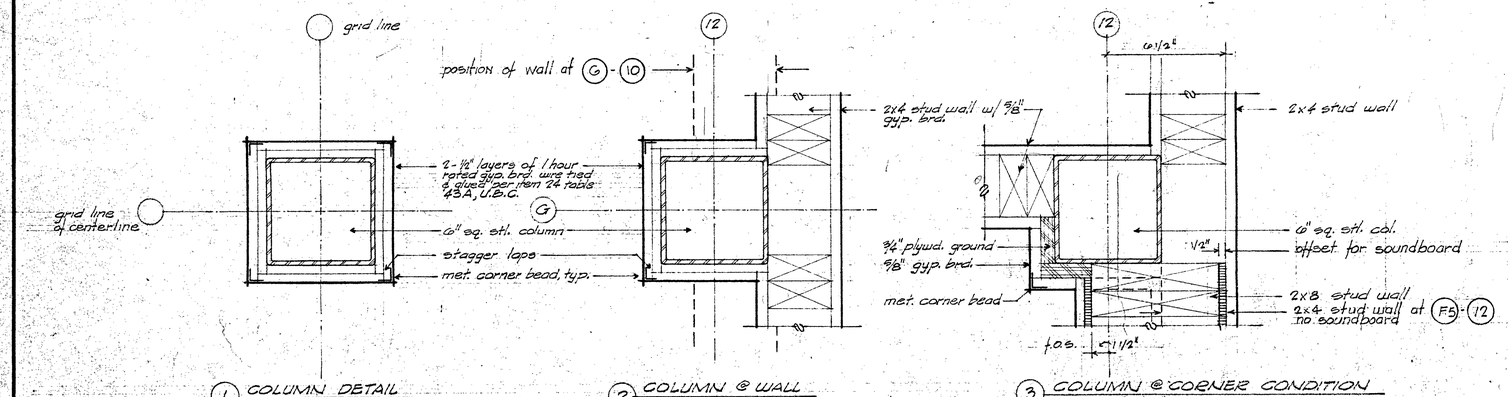

1 COLUMN DETAIL
SCALE: 3" = 1'-0"

2 COLUMN @ WALL
SCALE: 3" = 1'-0"

3 COLUMN @ CORNER CONDITION
SCALE: 3" = 1'-0"

NOTES:

2.1 stud sizes, unless otherwise noted, are 2 x 4 @ 16"

2.2 see sheet A-13 for interior elevs.

RECORD OF INSPECTIONS

U.G. PLUMBING COMPLETE 4-17-74 JD
U.G. ELECTRICAL CONDUIT 4-24-74 JD
BASE ROCK, MEMBRANE & WIRE MESH 5-22-74 JD
PLUMBING TOP OUT (WASTE & VENTS 5-16-74 JD
CONCRETE POURED (NORTH 1/2) 5-23-74 JD
CONCRETE POURED (SOUTH 1/2) 5-24-74 JD
PART'L WALL FRAME (CORRIDOR) 6-10-74 JD

NORTH

LOWER LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

JOB: 67-188L
DATE: 5-22-73
DRAWN: M.A.S.
CHECKED:
APPROVED:

REVISIONS
9-15-73 completion

THE OFFICE OF
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architect a.i.a.
346 E. CAMPBELL AVE.
CAMPBELL CALIFORNIA
C-2713
379-7404

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CAMPBELL, CALIFORNIA

SHEET NO.
A-2
OF 16

INTERIOR FINISH SCHEDULE

NO.	NAME	FLOOR: CARPET (J.I.C.)	FLOOR: VINYL ASBESTOS TILE	FLOOR: CONCRETE W/ HARDENER	FLOOR: CERAMIC MOSAIC TILE	BASE: FOREST RUBBER COVE BASE	BASE: FOREST RUBBER COVED BASE	BASE: CERAMIC TILE	BASE: HARDWOOD SEE SHT A-12	BASE: NONE	WALLS: ⅝ GYPSUM BOARD	WALLS: MASONRY	WALLS: W/½ GYPSUM BOARD	WALL COVERING: VINYL FABRIC ③	WALL COVERING: CERAMIC TILE	WALL COVERING: ¾" PLYWOOD TO 8'-0"	WALL COVERING: WOOD PANELING	WAINSCOT: CERAMIC TILE SEE INTER ELEV.	SOUNDBOARD	CEILINGS: ⅝ GYPSUM BOARD	CEILINGS: ACOUSTICAL TILE	CEILINGS: W/½ GYPSUM BOARD	CEILINGS: LUMINOUS CEILING	HEIGHT	PAINT ③ (see specification section 9C): GYPSUM BOARD WALL	PAINT: MASONRY WALLS	PAINT: CEILINGS	PAINT: DOORS	PAINT: FRAMES	PAINT: CABINETS & TRIM	REMARKS
	LOWER LEVEL																													
101	BOOKSTACKS			●			①			●	●	●								●				②	g.	k.	g.	n.	j.	–	
102																														
103																														
104																														
105																														
106																														
107																														
108	MEN (SEE SHT. A-1.0)				●				●				●	●	●					●				8'-0	h.	k.	h.	n.	j.		ALTERNATE A ONLY
109	CORRIDOR (SEE A-1.0)			●			●				●										●			9'-0	h.	k.	–	n.	j.		ALTERNATE A ONLY
110	COMMUNITY ROOM ⅝	●				●					●	●									●			9'-0	g.	k.	–	n.	j.	n.	ALTERNATE A ONLY
111	VESTIBULE	●				●					●			●						●				8'-0	–	–	g.	n.	j.		
112																														
113	MACHINE ROOM			●			●				●									●				8'-0	g.	–	g.	n.	j.		
114	JANITOR		●				●						●					●		●				8'-0	h.		h.	n.	j.	0(3)	
115	WASTE EJECTOR RM.			●			●				●									●				8'-0	h.		h.	n.	j.		
116	ELECTRICAL ROOM			●			●				●									●				8'-0	g.		g.	n.	j.		
117	LOUNGE	●				●					●									●				8'-0	g.		g.	n.	j.	n.	
118	WOMENS VESTIBULE	●				●					●			●						●				8'-0	–		h.	n.	j.		
119	WOMENS REST	●				●					●			●						●				8'-0			h.	n.	j.	n.	
120	WOMENS TOILET				●				●				●	●	●					●				8'-0			h.	n.	j.		
	UPPER LEVEL																													
201	ENTRY	●				●					●			●							●			9'-0	–		–	–	–	n.	
202	ADULTS	●				●					●			●							●		●	9'-0			g.*	n.	i.	j.	n.	* luminous clg. cavity only
203	ALCOVE	●				●					●			●						●				8'-0			g.				
204	VESTIBULE	●				●					●			●						●				8'-0			g.	n.	j.		
205	CLOSET		●				●				●									●				8'-0	g.		g.	n.	j.	n.	
206	WOMENS TOILET				●				●				●	●	●					●				8'-0			h.	n.	j.		
207	ENTRY	●				●					●			●							●			9'-0						n.	
208	DESK	●				●					●			●						●				8'-0			g	n.	j.	n.	
209	TELEPHONE CLOSET		●				●				●					●				●				8'-0	g.*		g.	n.	j.		* plywood
210	PASSAGE	●				●					●			●							●			9'-0				n.	j.		
211	STORY ALCOVE	●				●					●			●							●			9'-0						n.	
212	CHILDREN	●				●					●			●							●			9'-0				n.	i.	j.	i.	
213	DESK	●				●					●			●						●				8'-0			g.	n.	j.	n.	
214	OFFICE	●				●					●			●							●			8'-0				n.	j.		
215	CLOSET		●				●				●									●				8'-0	g.		g.	n.	j.	0.(3)	
216	OFFICE	●				●					●			●			●				●			8'-0				n.	j.	n.	
217	PANEL CLOSET		●				●				●									●				8'-0	g.		g.	n.	j.	m.	
218	PASSAGE	●				●					●			●							●			9'-0				n.	j.		
219	VESTIBULE	●				●					●			●										8'-0			h.	n.	j.		
220	OMITTED																													
221	JANITOR				●				●				●											8'-0	h.		h.	n.	j.	0.(3)	
222	MENS TOILET				●				●				●	●	●									8'-0			h.	n.	j.		
223	STAIR	●								●				●										VARS			g.			n.	

REMARKS:
① @ gyp. brd. walls only
② underside of lin. framing
③ See Spec. Section A-3 for Alternate 'C'

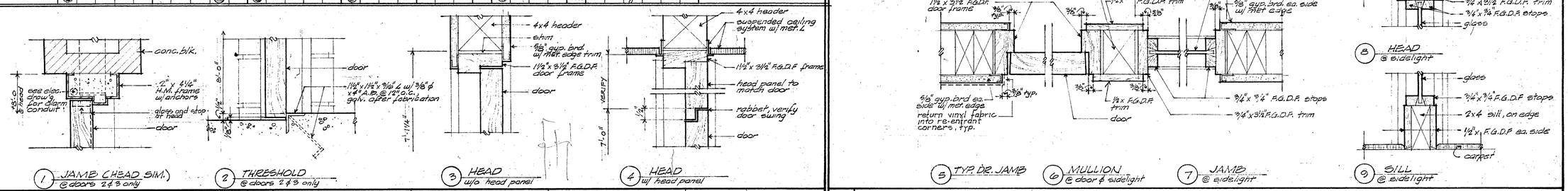
DOOR SCHEDULE

See Spec. Section A-3 for Alternates

NO.	EXTERIOR	TYPE	MATERIAL: GLAZED ALUM. FRAMES	MATERIAL: SOLID CORE WOOD	MATERIAL: HOLLOW CORE WOOD	MATERIAL: GLAZED WOOD FRAMES	SIZE: Width	SIZE: Height 7'-0"	SIZE: Height Other	SIZE: Thk. 1¾"	HARDWARE GROUP	LOUVER: Metal	LOUVER: Wood 12"x 28"	LOUVER: Wood 10"x 24"	UNDERCUT 3/4"	FRAME TYPE: ALUMINUM STOREFRONT	FRAME TYPE: WOOD	FRAME TYPE: HOLLOW METAL	LABEL: Door	LABEL: Frame	DETAIL REFERENCE: Threshold	DETAIL REFERENCE: Head	DETAIL REFERENCE: Transom	DETAIL REFERENCE: Jamb	DETAIL REFERENCE: Mullion or Jamb	REMARKS
	LOWER LEVEL																									
1	●	F	●				Pr. 3⁰		8⁰	●	1					●					14/10	13/10				
2	●	B		●			3⁰	●		●	2							●			2/13	1/13		1/13		See SHT. 10 ELEV. 2 for fixed glass head panel
3	●	B		●			3⁰	●		●	2							●			2/13			1/13		See SHT. 10 ELEV. 2 for fixed glass head panel
4		C		●			3⁰	●		●	3						●					3/13		6/13		GLASS LITE SIZE 27"x 36"
5											–								'C'	'C'						ELEVATOR DOOR BY MANUF.
6		B		●			3⁰	●		●	4		●				●					3/13		6/13		
7		B		●			3⁰	●		●	5						●					3/13		6/13		
8		B			●		3⁰	●		●	6						●					3/13		6/13		w/ weather stripping all around
9		B			●		3⁰	●		●	5						●					3/13		6/13		
10		B		●			3⁰	●		●	7						●					3/13		6/13		
11		B			●		2⁸	●		●	3				●		●					3/13		6/13		
12		B			●		2⁸	●		●	3				●		●					3/13		6/13		
13		C		●			3⁰	●		●	3						●					3/13		6/13		GLASS LITE SIZE 27"x 36"
14		B		○			2⁸	○		○	10				○			○	20 min	20 min.						ALTERNATE 'A' ONLY
15		C		○			3⁰	○		○	11							○	20 "	20 "						ALT. 'A' ONLY - 3'-0"x 33" 2 DOORS THUS LITE
16		C		○			3⁰	○		○	11							○	20 "	20 "						ALT. 'A' ONLY - 3'-0"x 33" 4 DOORS THUS LITE
	UPPER LEVEL																									
101	●	F	●				Pr. 3⁰		9⁰	●	1					●					10/10	9/10				
102	●	G				●	Pr. 3⁰		9 5/8	2¼"	8						●				27/10	26/10		20/10		
103	●	F	●				Pr. 3⁰		9⁰		1					●					10/10	9/10				
104	●	G				●	Pr. 3⁰		9 5/8	2¼"	8						●				27/10	26/10		20/10		
105											–								'C'	'C'						ELEVATOR DOOR BY MANUF.
106		A			●		2⁸		7 11/16	●	5						●					4/13		6/13		
107		A		●			3⁰		7 11/16	●	5						●					4/13		6/13		
108		A			●		2⁸		7 11/16	●	5						●					4/13		6/13		
109											–															OMITTED
110											–															OMITTED
111		A		●			3⁰		7 11/16	●	5						●					4/13		6/13		
112		A			●		2⁸		7 11/16	●	9						●					3/13		6/13		
113		A		●			3⁰		7 11/16	●	5						●					3/13	6/13	6/13		
114		A		●			3⁰		8 11/16	●	5						●					4/13		6/13		
115											–															OMITTED
116		A		●			2⁸		8 1/16	●	3			●			●					4/13		6/13		
117		B			●		2⁸	●		●	3			●			●					3/13		6/13		
118		B			●		2⁸	●		●	5			●			●					3/13		6/13		
119		B		●			2⁸	●		●	3				●		●					3/13		6/13		
120		B			●		2⁸	●		●	5			●			●					3/13		6/13		

DUE TO LACK OF SCHEDULE SPACE, 14, 15 AND 16 ARE NOT NUMBERED SEPARATELY SEE BELOW.

DOOR DETAILS scale: 3"=1'-0"



1 JAMB (HEAD SIM.) @ doors 2 & 3 only
2 THRESHOLD @ doors 2 & 3 only
3 HEAD w/o head panel
4 HEAD w/ head panel
5 TYP. DR. JAMB
6 MULLION @ door & sidelight
7 JAMB @ sidelight
8 HEAD @ sidelight
9 SILL @ sidelight

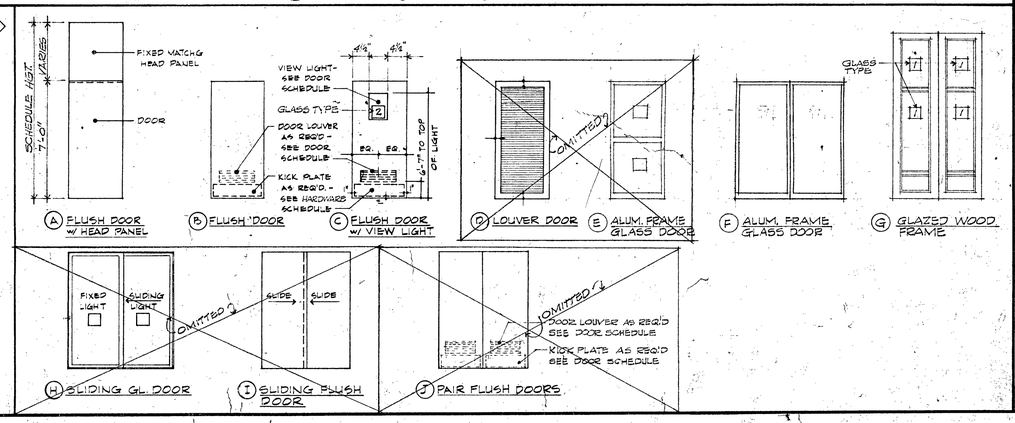
LEGEND SYMBOLS

- EXISTING CONTOUR & REFERENCE ELEVATION
- FINISH CONTOUR & REFERENCE ELEVATION
- FINISH SPOT ELEVATION
- GRAVEL
- CONCRETE BLOCK
- CONCRETE
- BRICK
- GROUT OR PLASTER
- STEEL
- PLYWOOD
- WOOD, FINISH
- WOOD, STRUCTURAL
- WOOD, BLOCKING
- DIRECTION OF VIEW, NUMBER OF DETAIL, SHEET WHERE DTL. SHOWN, DETAIL REFERENCE
- LETTER OF SECTION, SHEET WHERE DTL. SHOWN, SECTION REFERENCE
- DIRECTION OF VIEW, ELEVATION DESIGNATED (SHEET A-13 SHOWS INTER. OR ELEV.)
- ROOM NUMBER, FINISH SCHEDULE REF.
- DOOR NUMBER, DOOR SCHEDULE REF.
- SASH TYPE, WINDOW REFERENCE
- GLASS TYPE, GLAZING SCHEDULE REF.

ABBREVIATIONS

A.B.	ANCHOR BOLT	DWG.	DRAWING	INT.	INTERIOR	REINF.	REINFORCED (ING)
A.C.	ASPHALTIC CONCRETE					REQ'D.	REQUIRED
A.C.TILE	ACOUSTIC TILE	EA.	EACH	JAN.	JANITOR	RM.	ROOM
AL., ALUM.	ALUMINUM	EL., ELEV.	ELEVATION			R.O.	ROUGH OPENING
APPROX.	APPROXIMATELY	ELEC.	ELECTRIC	LAV.	LAVATORY	R.S.	ROOF SUMP
ASB.	ASBESTOS	EQ.	EQUAL			RWD.	REDWOOD
		E.W.C.	ELECTRIC WATER COOLER			RWL.	RAIN WATER LEADER
BLK., BLK'G.	BLOCK, BLOCKING	EX., EXIST.	EXISTING	MAX.	MAXIMUM		
BLD'G.	BUILDING	EXP.	EXPOSED	M.B.	MILLED BOLT		
BD.	BOARD	EXPAN.	EXPANSION	M.C.	MEDICINE CABINET	S.C.	SOLID CORE
BOT.	BOTTOM	EXT.	EXTERIOR	MECH.	MECHANICAL	SH.	SHEET
B.W.	BOTH WAYS			MET.	METAL	SIM.	SIMILAR
		F.D.	FLOOR DRAIN	MFRS.	MANUFACTURER	S.M.S.	SHEET METAL SCREW
CAB.	CABINET	F.H.W.S	FLAT HEAD WOOD SCREW	M.H.	MAN HOLE	S.O.V.	SHUT OFF VALVE
C.A.H.	CLEAR ALL HEART	FIN.	FINISH	MIN.	MINIMUM	SQ.	SQUARE
C.B.	CATCH BASIN	FL.	FLOOR	M.O.	MASONRY OPENING	S.S.	STAINLESS STEEL
CEM	CEMENT	FOC	FACE OF CONCRETE	MTD.	MOUNTED	STD.	STANDARD
C.T., CER. TILE	CERAMIC TILE	FOM	FACE OF MASONRY			STL.	STEEL
C.I.	CAST IRON	FOS	FACE OF STUDS	N.F.	NATURAL FINISH	T&G	TONGUE AND GROOVE
℄	CENTERLINE			N.I.C.	NOT IN CONTRACT	T.O.	TOP OF CURB
CLO.	CLOSET	GA.	GAUGE	NO.	NUMBER	TEL.	TELEPHONE
CLR.	CLEAR	GALV.	GALVANIZED	N.T.S.	NOT TO SCALE	TERR.	TERRAZZO
COL.	COLUMN	G.I.	GALVANIZED IRON	O.D.L.	OVERFLOW DR. LEADER	TYP.	TYPICAL
CONC.	CONCRETE	GL.	GLASS	OBS.	OBSCURE	U.O.N.	UNLESS OTHERWISE NOTED
CONT.	CONTINUOUS	GLZ'D.	GLAZED	O.C.	ON CENTER	VAR.	VARIES
CPT.	CARPET	GYP. BD.	GYPSUM BOARD	OFIC.	OWNER FURNISHED, CONTRACTOR INSTALL	VAT.	VINYL ASBESTOS TILE
C.S.K.	COUNTERSINK	GRD.	GRADE	OPG.	OPENING	V.C.P.	VITRIOUS CLAY PIPE
CTR.	COUNTER					VERT.	VERTICAL
		H.B.	HOSE BIBB	PART.	PARTITION	V.G.	VERTICAL GRAIN
D.F.	DOUGLAS FIR OR DRINKING FOUNTAIN	H.C.	HOLLOW CORE	PL., PL. (EITHER)	PLATE; PROPERTY LINE	V.T.R.	VENT THRU ROOF
		H.M.	HOLLOW METAL	PLAS.	PLASTER		
DIA.	DIAMETER	HORIZ.	HORIZONTAL	PW., PLYWD.	PLYWOOD	W/ OR W/O	WITH OR WITHOUT
DIM.	DIMENSION	H.P.	HOUSE PANEL	POL.	POLISHED	W.C.	WATER CLOSET
DO	DITTO	HT.	HEIGHT	PR.	PAIR	WD.	WOOD
DR.	DOOR					W.H.	WATER HEATER
D.S.	DOWNSPOUT	INSUL.	INSULATION, -ED.	R., RAD.	RADIUS	W.P.	WATERPROOF
DTL.	DETAIL	INV.	INVERT	R.C.P.	REINFORCED CONCRETE PIPE	W.W.M.	WELDED WIRE MESH

DOOR TYPES



A FLUSH DOOR w/ HEAD PANEL
B FLUSH DOOR
C FLUSH DOOR w/ VIEW LIGHT
D LOUVER DOOR
E ALUM. FRAME GLASS DOOR
F ALUM. FRAME GLASS DOOR
G GLAZED WOOD FRAME
H SLIDING GL. DOOR
I SLIDING FLUSH DOOR
J PAIR FLUSH DOORS

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CAMPBELL, CALIFORNIA

JOB: 67-1881
DATE: 5-22-73
DRAWN: WW
CHECKED:
APPROVED:

REVISIONS
9-15-73 completion

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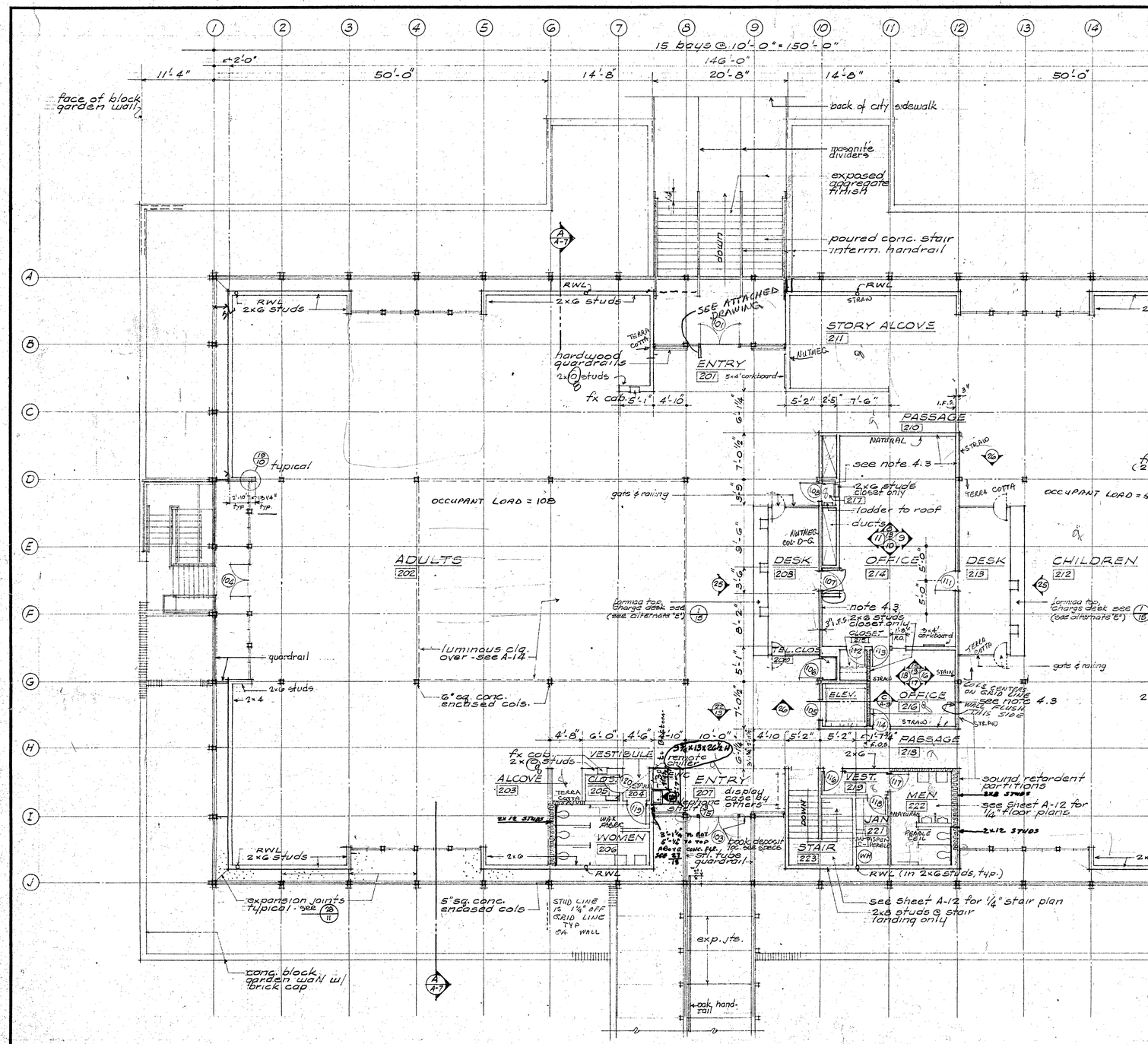

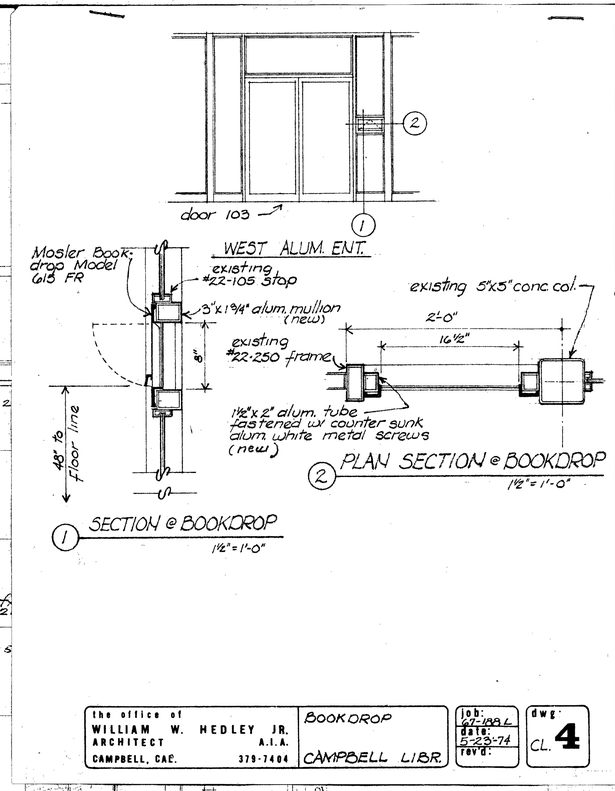

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NOTES

4.1 stud sizes, unless otherwise noted, are 2x4 @ 16"

4.2 see Sheet A-13 for interior elevs.

4.3 studs and gyp. bd. one side cont. to underside of roof structure

4.4 typical partitions to carry to just above highest adjacent ceiling

JOB	67-188L
DATE:	5-22-73
DRAWN	I.M.A.G.
CHECKED:	
APPROVED:	

REVISIONS

9-18-73	completion

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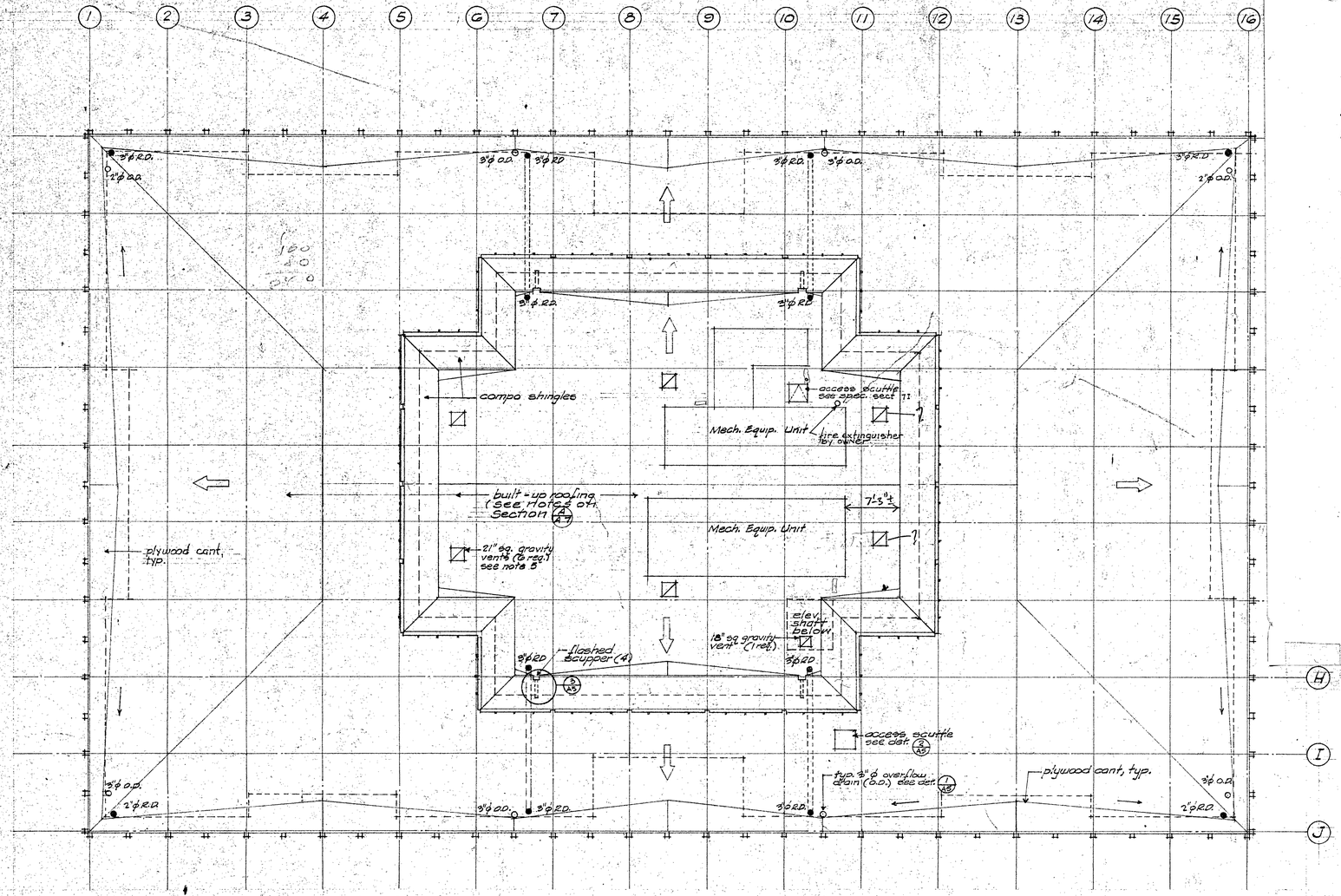
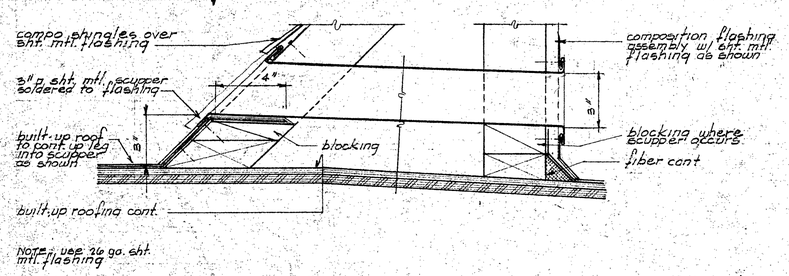
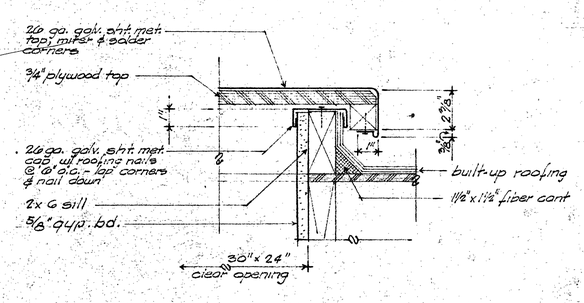
UPPER LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

SHEET NO. A-4 OF 16

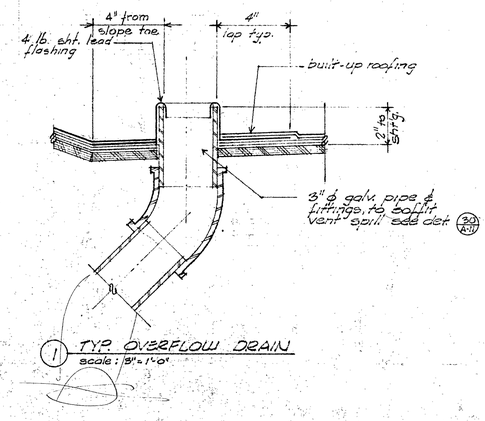




3 OVERFLOW SCUPPER
scale: 3" = 1'-0"



2 ACCESS SCUTTLE
scale: 3" = 1'-0"



1 TYP. OVERFLOW DRAIN
scale: 3" = 1'-0"

Specification **No. 425FS-P** *for use over*

ANY ACCEPTABLE DECK

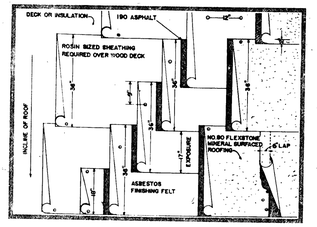
on inclines of **1/4"** *to* **6"** *per foot bondable up to 20 years* *

Johns-Manville

Mineral-Surface Asbestos BUILT-UP ROOFS

This specification is for use over any approved structural deck or insulation. Over nailable decks, all felts are to be back-nailed as described below. ~~On inclines over 2" per foot, felts must be nailed into nailing strips or into insulation with appropriate fasteners to prevent felt slippage.~~

Preparation of Deck — For information on the Preparation of Deck and Roof Drainage, see section on ROOF DECKS, Specification Manual for Johns-Manville Built-Up Roofs.



Application of Roofing

~~Over wood board or structural wood fiber decks, one ply of rosin-sized sheathing paper must be used next to the deck. Poured and precast concrete decks require primer.~~

First: Apply two layers of J-M Asbestos Finishing Felt, lapping each felt 19" over the preceding one ● over a nailable deck mop only the width under the overlap of each felt with asphalt at a minimum rate of 20 lbs per square, and nail on 12" centers, 9" down from the back edge. ~~Hover non-nailable deck or insulation mop the full width under each felt with asphalt at a minimum rate of 20 lbs per square per ply.~~

* *See page 2 of current Specification Manual for Johns-Manville Built-Up Roofs for facsimile of Roof Guarantee Bond and Flashing Endorsement setting forth all terms, conditions, and limitations of the bond.*

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NOTES

Roof drains (R.D. •) typical, J.R. Smith #1010

Provide 4 flashed scuppers & 3" ϕ overflow drains (O.D. ○) as shown. Drains to drop thru exterior soffit per detail 3/A5

Roof assembly shall be one of the following: see specs.
Johns Manville 425 FS
U.S. Gypsum M-A-1
% Fiberglas 420 WMD

Compo shingles shall be either:
Johns Manville "Fire-Glass"
% Fiberglas "Glastar" class A

Provide screened 24 ga. galv. steel gravity vents and rainrite caps flashed into roofing.

JOB	67-1881
DATE	6-22-73
DRAWN	
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9-15-73 completion

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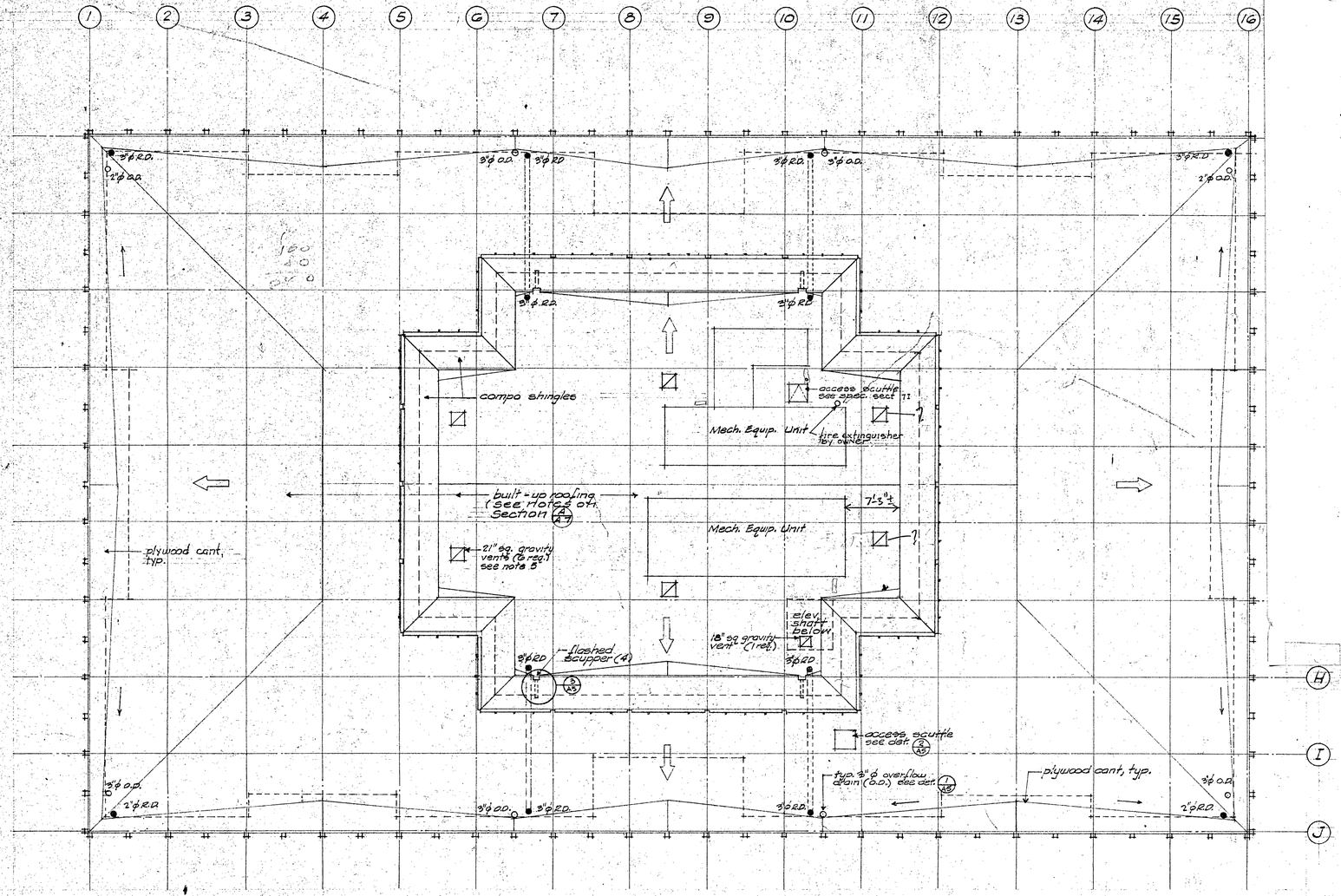
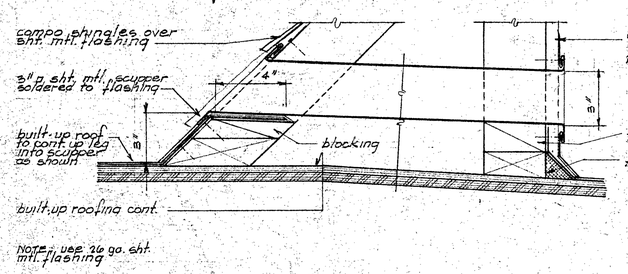
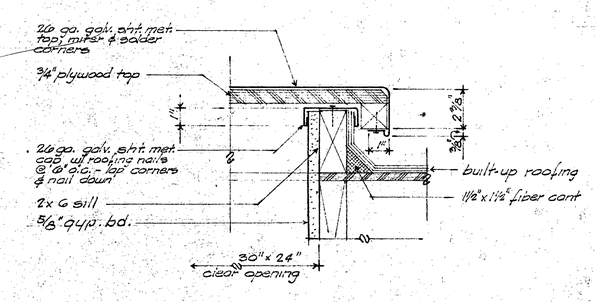
ROOF PLAN
SCALE: 1/8" = 1'-0"

SHEET NO. A-5 OF 16

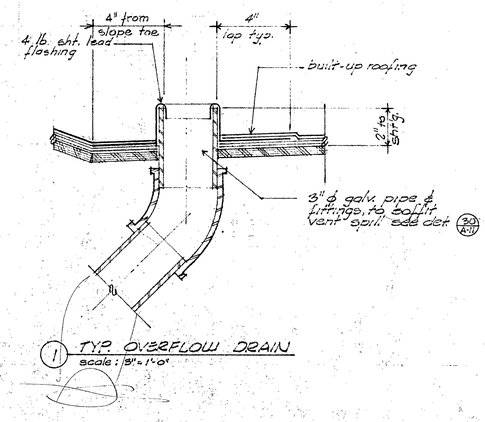




3 OVERFLOW SCUPPER
scale: 3" = 1'-0"



2 ACCESS SCUTTLE
scale: 3" = 1'-0"



1 TYP. OVERFLOW DRAIN
scale: 3" = 1'-0"

Specification **No. 425FS-P** *for use over*

ANY ACCEPTABLE DECK

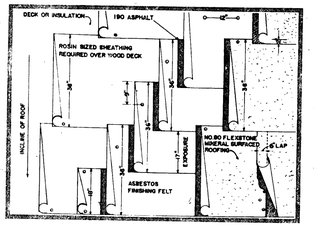
on inclines of **1/4"** *to* **6"** *per foot bondable up to 20 years* *

Johns-Manville

Mineral-Surface Asbestos BUILT-UP ROOFS

This specification is for use over any approved structural deck or insulation. Over nailable decks, all felts are to be back-nailed as described below. ~~On inclines over 2" per foot, felts must be nailed into nailing strips or into insulation with appropriate fasteners to prevent felt slippage.~~

Preparation of Deck — For information on the Preparation of Deck and Roof Drainage, see section on ROOF DECKS, Specification Manual for Johns-Manville Built-Up Roofs.



Application of Roofing

~~Over wood board or structural wood fiber decks, one ply of rosin-sized sheathing paper must be used, next to the deck. Coated and present concrete decks require primer.~~

First: Apply two layers of J-M Asbestos Finishing Felt, lapping each felt 19" over the preceding one ● over a nailable deck mop only the width under the overlap of each felt with asphalt at a minimum rate of 20 lbs per square, and nail on 12" centers, 9" down from the back edge. ~~Hot-mop nailable deck or insulation mop the full width under each felt with asphalt at a minimum rate of 20 lbs per square per ply.~~

* *See page 2 of current Specification Manual for Johns-Manville Built-Up Roofs for facsimile of Roof Guarantee Bond and Flashing Endorsement setting forth all terms, conditions, and limitations of the bond.*

79

NOTES

Roof drains (R.D. •) typical, J.R. Smith #1010

Provide 4 flashed scuppers & 8, 3" ϕ overflow drains (O.D. ○) as shown. Drains to drop thru exterior soffit per detail (3/A5)

Roof assembly shall be one of the following: see specs.
Johns Manville 425 FS
U.S. Gypsum M-A-1
% Fiberglas 420 WMD

Compo shingles shall be either:
Johns Manville "Fire-Glass"
% Fiberglas "Glastar" class A

Provide screened 24 ga. galv. steel gravity vents and rainrite caps flashed into roofing.

JOB	67-1881
DATE	6-22-73
DRAWN	
CHECKED	
APPROVED	

REVISIONS
9.15.73 completion

THE OFFICE OF
WILLIAM W. HEDLEY JR.
architect a.i.a.
346 E. CAMPBELL AVE. C-2713
CAMPBELL CALIFORNIA 379-7404

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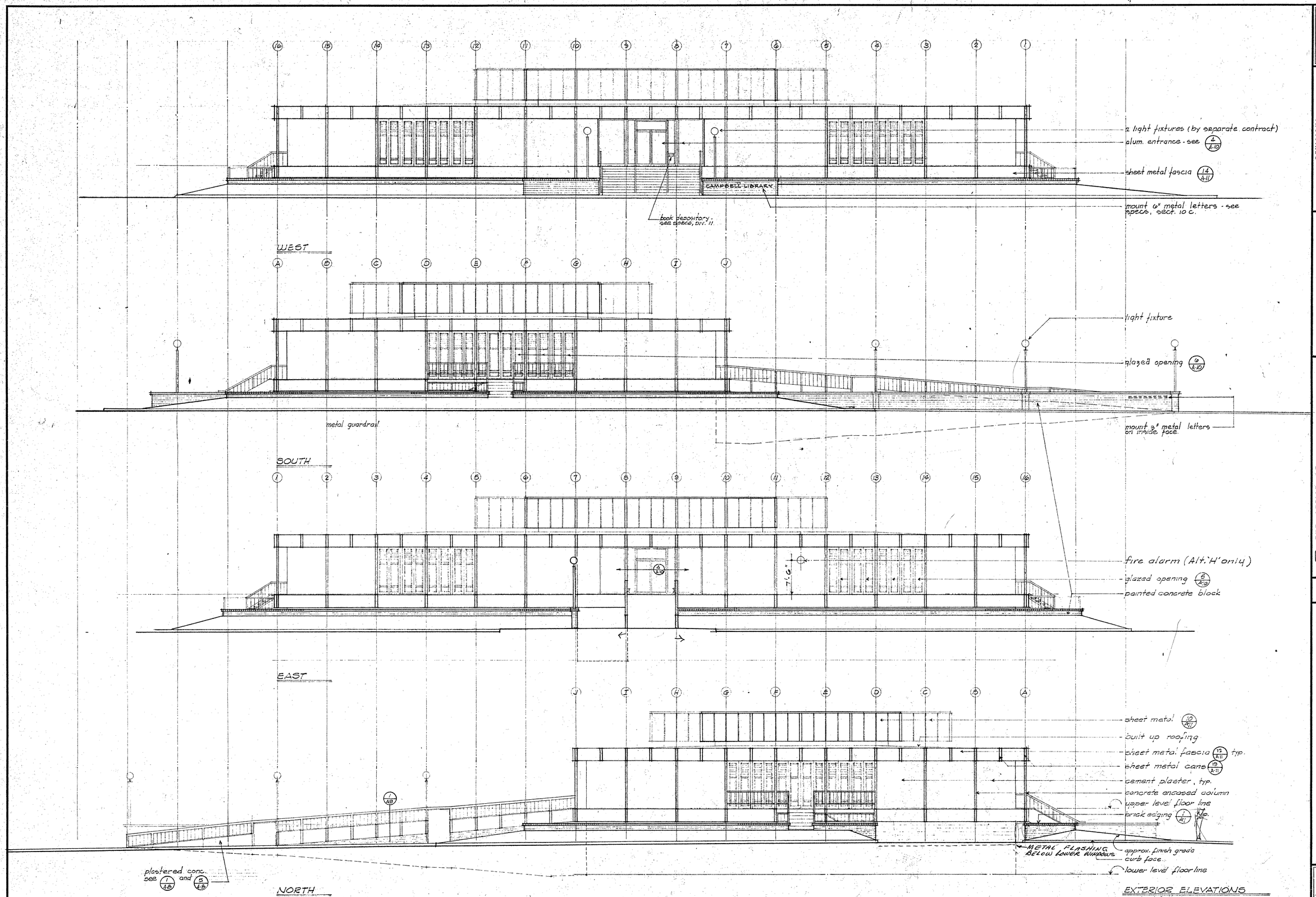
ROOF PLAN
SCALE: 1/8" = 1'-0"

SHEET NO. A-5 OF 16



JOB # 67-882
DATE: 5-22-73
DRAWN: M.A.S.
CHECKED: B.W.
APPROVED:

REVISIONS
9-15-73 completion

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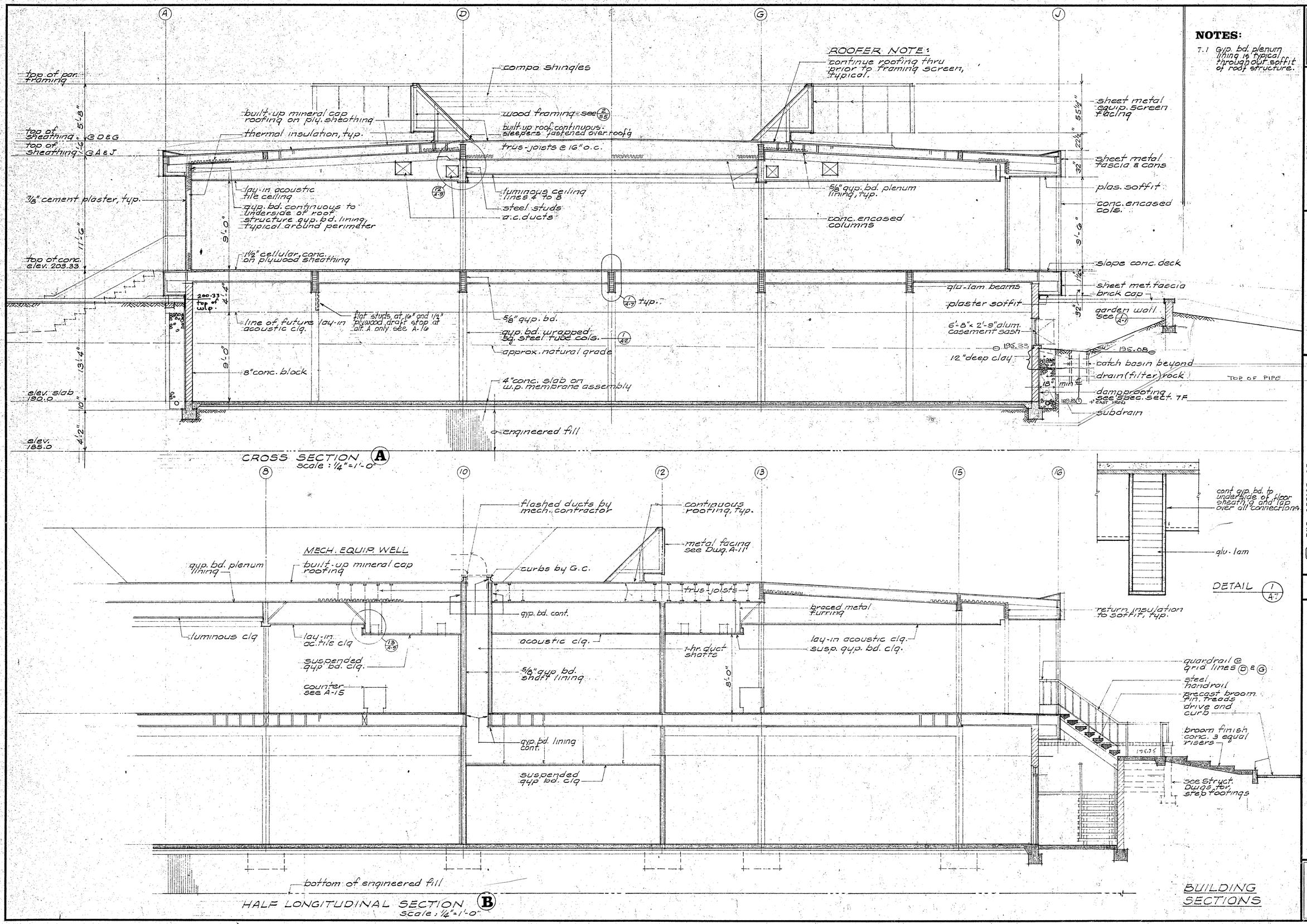
SHEET NO.
A-6
OF 16



CROSS SECTION A
scale: 1/4" = 1'-0"

NOTES:

7.1 gyp. bd. plenum lining is typical throughout soffit of roof structure.

HALF LONGITUDINAL SECTION B
scale: 1/4" = 1'-0"

BUILDING SECTIONS

REVISIONS	
9-15-73	completion

JOB: G7-.88L
DATE: 6-22-73
DRAWN: W.A.S.
CHECKED:
APPROVED:

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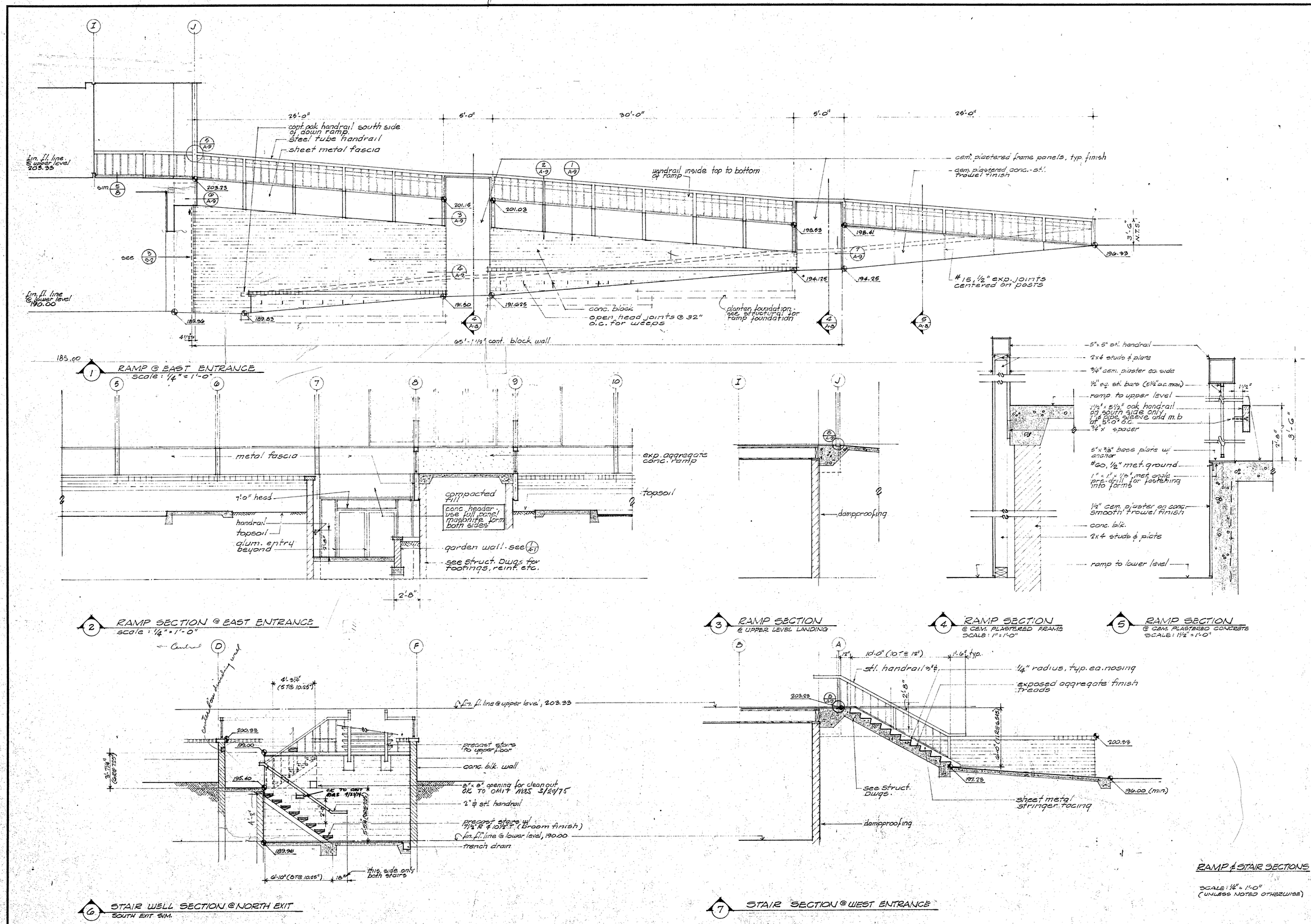
SHEET NO. A-7 OF 16



JOB: 67-188L
DATE: 5-22-73
DRAWN: M.A.S. B.W.
CHECKED:
APPROVED:

REVISIONS
9-15-73 completion

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SHEET NO.
A-8
OF 16

SHOP DRAWING

CHECKED FOR GENERAL DESIGN AND COMPLIANCE WITH DRAWINGS ONLY

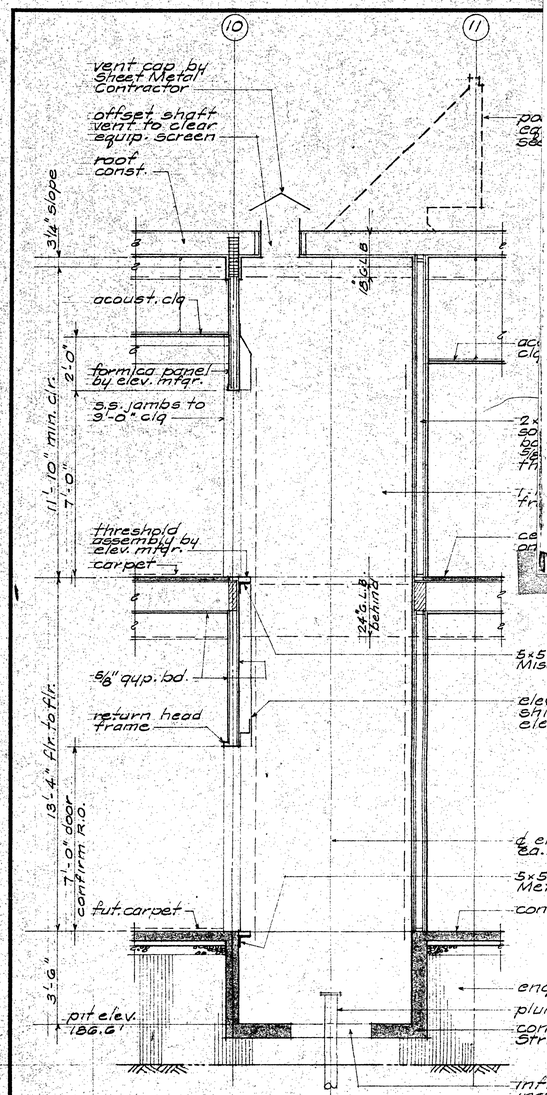
DATE: 6/17/74 JOB NO. 67-188L

☐ APPROVED ☒ APPROVED AS NOTED

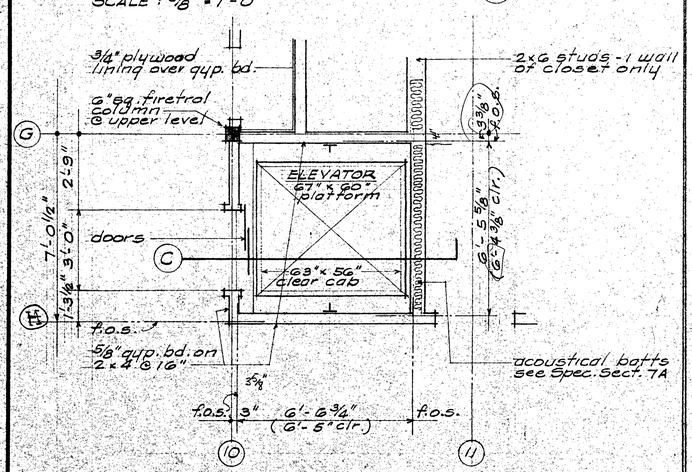
☐ NOT APPROVED ☐ CORRECT AND RESUBMIT

WILLIAM W. HEDLEY, JR. ARCHITECT

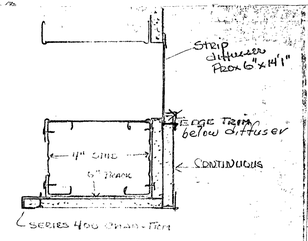
M.A.S.



ELEVATOR SHAFT SECTION (C)
SCALE: 3/8" = 1'-0"

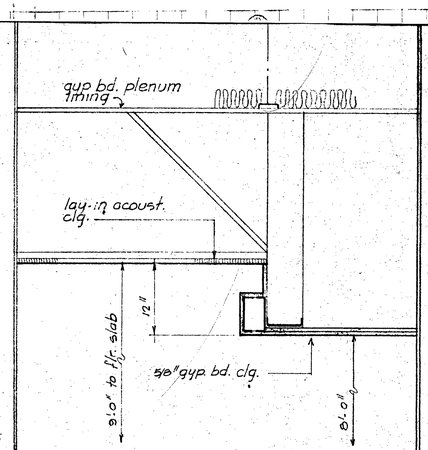


ELEVATOR PLAN @ UPPER LEVEL
LOWER LEVEL SIMILAR
SCALE: 3/8" = 1'-0"

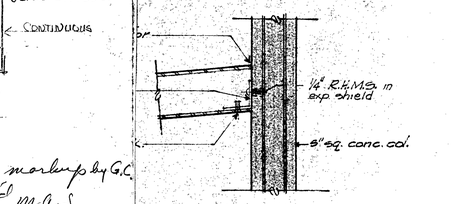


$120.00 + markup by G.C.
OK'd M.A.S.

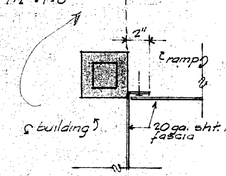
CAMPBELL LIBRARY
DETAIL 12/A9 MODIFIED
TO RECIEVE 4-14"x4" SUPPLY AIR SLOTS
A.R. by RFR



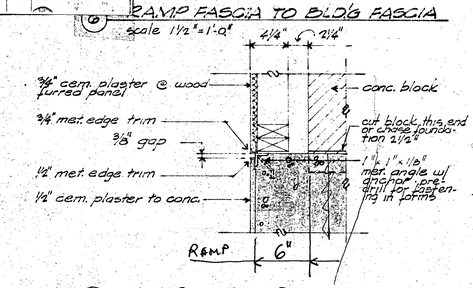
DROP CLG. at CHARGE DESK (13)
scale: 1" = 1'-0"



HANDRAIL - COLUMN CONNECT.
scale 1 1/2" = 1'-0"



(6) RAMP FASCIA TO BLDG FASCIA
scale 1 1/2" = 1'-0"



(7) INTERSECTION @ PLAST. FRAME & PLAST. CONC.
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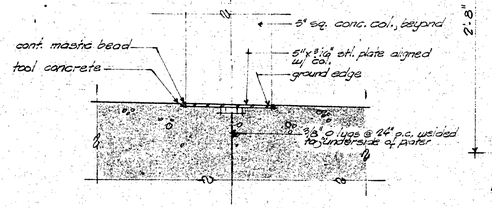

(8) DECK PLATE DETAIL
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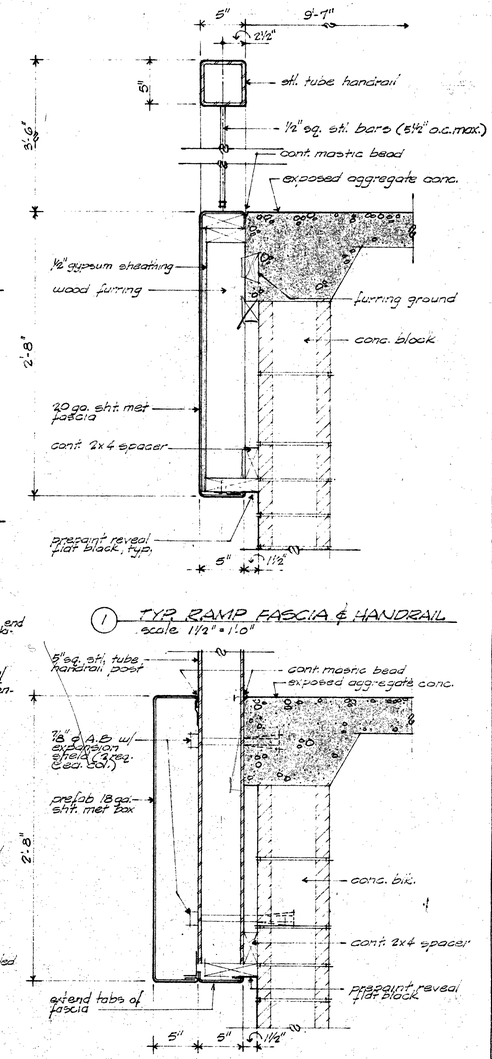
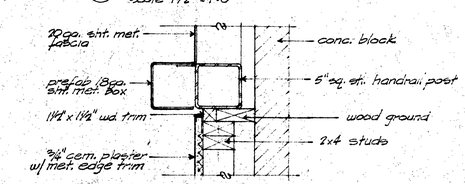
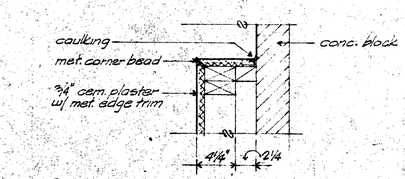


(1) TYP. RAMP FASCIA & HANDRAIL
scale 1 1/2" = 1'-0"

(2) TYP. HANDRAIL POST @ FASCIA
scale 1 1/2" = 1'-0"



(3) CEM. PLASTER TO HANDRAIL POST
scale 1 1/2" = 1'-0"



(4) CEM. PLASTER PANEL
scale 1 1/2" = 1'-0"

NOTES:

REVISIONS	
9-15-75	completion

JOB 67-188L
DATE 5-22-73
DRAWN RWR
CHECKED:
APPROVED:

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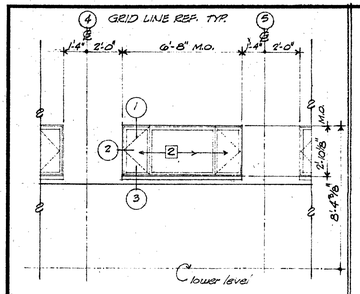
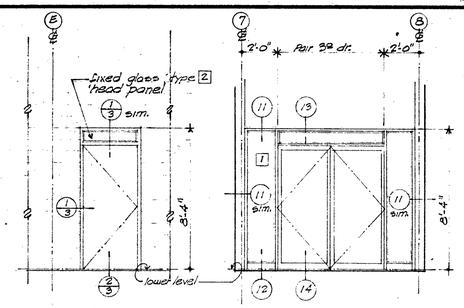
SECTIONS AND DETAILS

SHEET NO. A-9 OF 16

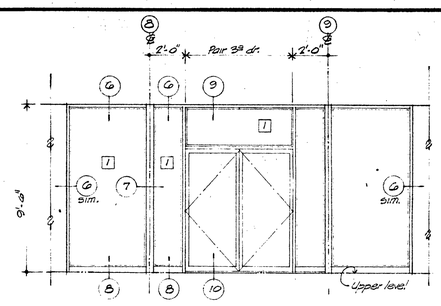


1 ALUM. CASEMENT @ lower level

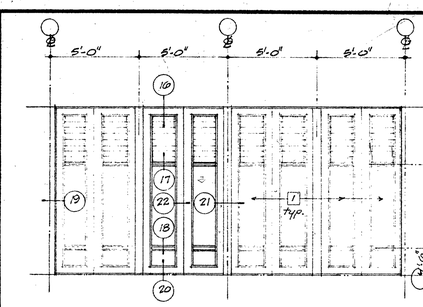


2 DOORS 2 and 3 @ lower level

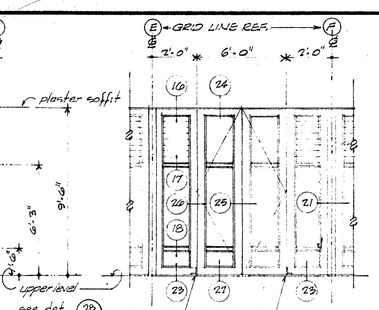
3 ALUM. ENTRANCE @ lower level door no.1



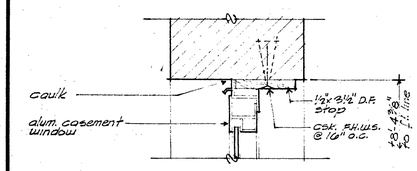
4 ALUM. ENTRANCE @ upper level door no. 105 (Door no.101 sim.)



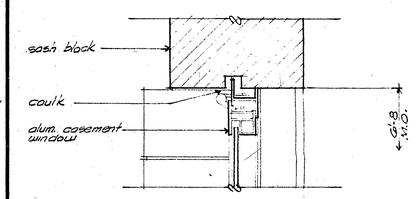
5 TYPICAL ELEVATION @ EXTERIOR PANEL



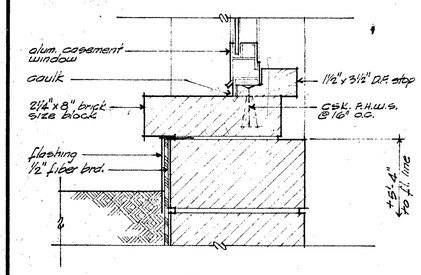
6 EXTERIOR PANEL w/ DOOR 104 door no. 102 sim.



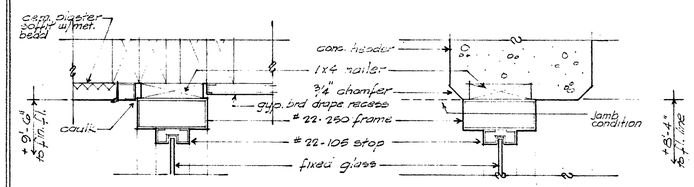
1 HEAD



2 JAMB

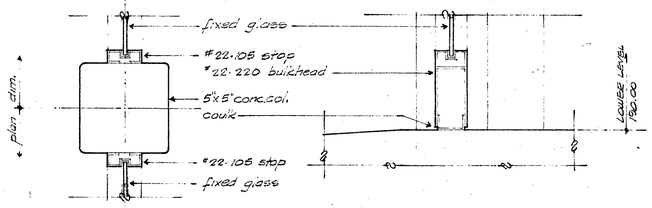


3 SILL



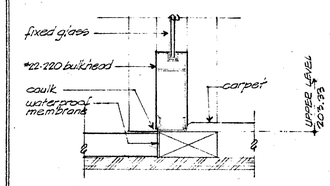
6 TYP. HEAD @ UPPER LEVEL SEE DET. 16 FOR TYPICAL DRAPE RECESS

11 TYP. HEAD @ LOWER LEVEL

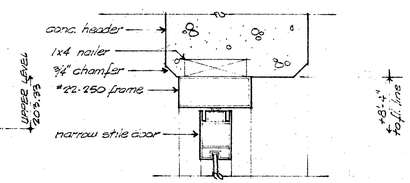


7 COL. CONDITION

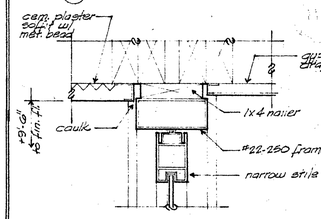
12 TYP. SILL @ LOWER LEVEL



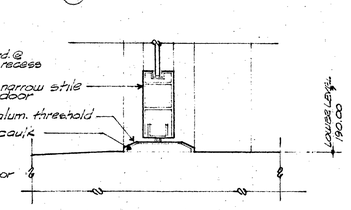
8 TYP. SILL @ UPPER LEVEL



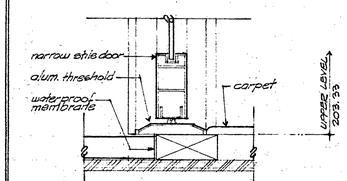
13 DOOR HEAD @ LOWER LEVEL



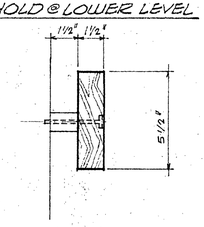
9 DOOR HEAD @ UPPER LEVEL SEE DET. 16 FOR TYPICAL DRAPE RECESS



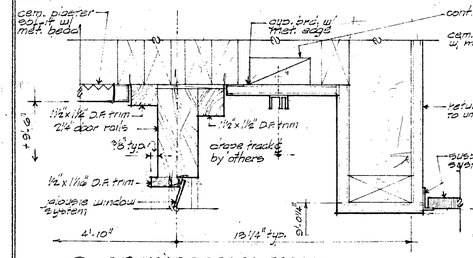
14 THRESHOLD @ LOWER LEVEL



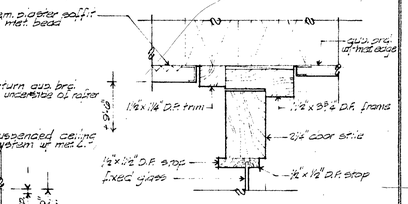
10 THRESHOLD @ UPPER LEVEL



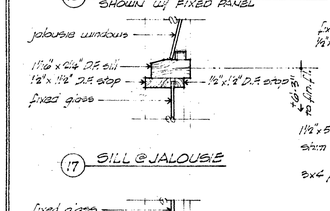
15 HANDRAIL DETAIL



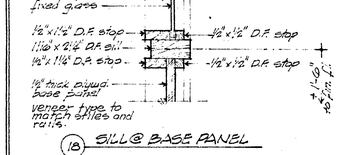
16 TYP. HEAD @ DRAPE RECESS SHOWN w/ FIXED PANEL



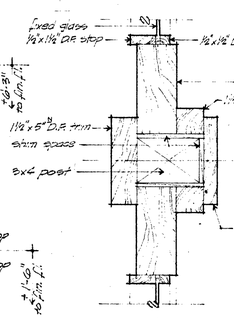
24 HEAD @ OPERABLE PANEL SEE DET. 16 FOR TYP. RECESS



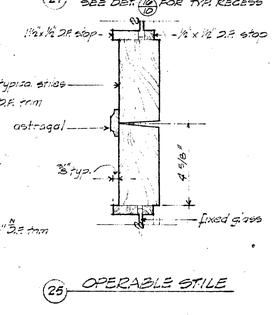
17 SILL @ JALOUSIE



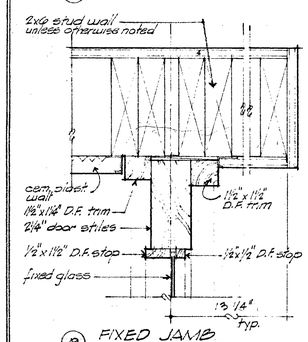
18 SILL @ BASE PANEL



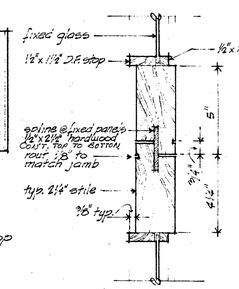
21 TYP. MULLION



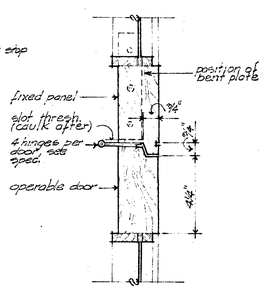
25 OPERABLE STILE



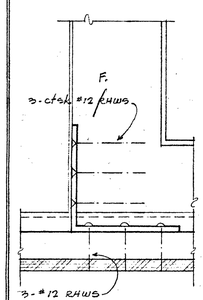
19 FIXED JAMB



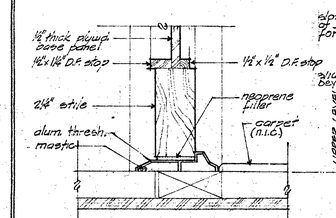
22 FIXED STILE



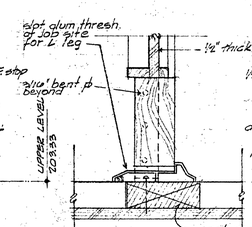
26 OPERABLE JAMB STILE



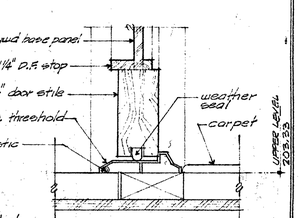
28 SILL



20 TYP. SILL



23 SILL



27 THRESHOLD

NOTES:

10.1 Contractor to verify frame conditions w/ details, doors & finish schedules & floor plans to establish mill sections required, prior to shop drawings.

10.2 Storefront section numbers used are 'Arcadia' see spec. section 8A.

JOB	'67-182L
DATE:	5-22-73
DRAWN:	JW
CHECKED:	
APPROVED:	

REVISIONS: 9-15-73 completion

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CAMPBELL, CALIFORNIA 375-7104

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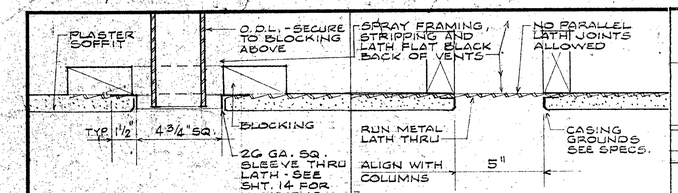
EXTERIOR PANELS & ENTRANCES
SCALE: 1/4" = 1'-0"
DETAILS @ 3" = 1'-0"

SHEET NO. A-10 OF 16

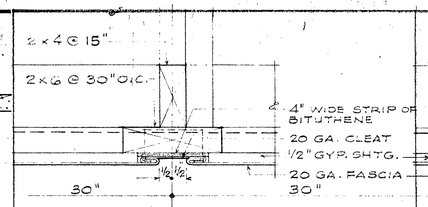
ALUMINUM WINDOW CASEMENT DETAIL

ALUMINUM STOREFRONT & ENTRANCE DOORS DETAIL

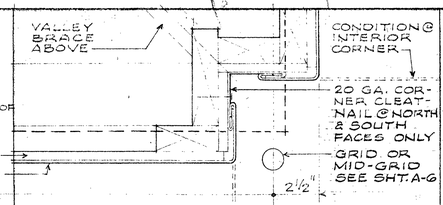
WOOD PANEL WALLS & EXIT DOORS DETAIL



TYP. O.D.L. SLEEVE (30) — TYP. VENTILATION SLOT (29)



EQ. SCREEN GROOVE (22)



EQ. SCREEN CORNER (15)

NOTES:

11.1 ALL SHEET METAL, CLIPS, CLEATS, FASTENINGS, ETC. SHALL BE GALVANIZED STEEL.

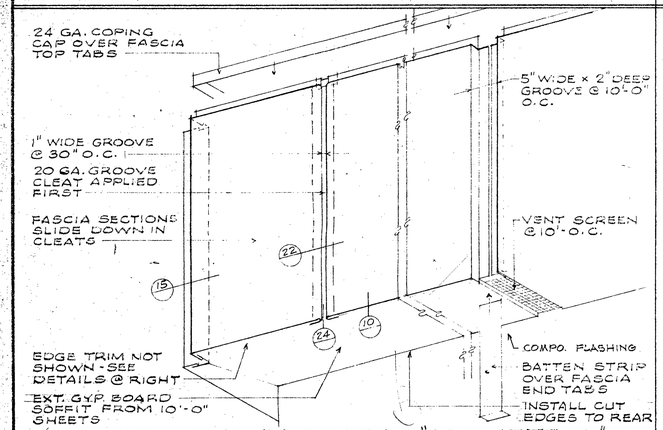
11.2 SEE SHEET A-6 FOR REFERENCE TO GRID LINES.

11.3 SEE SHEET A-5 FOR ADDITIONAL FLASHING DETAILS.

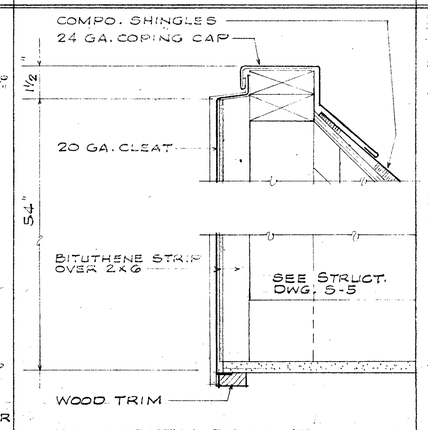
11.4 SEE SHEETS A-8 & A-9 FOR RAMP AND STAIR FASCIAS.

11.5 "DIM. POINTS" REFERS TO DIMENSION POINTS ON SHEET A-7 & S-5

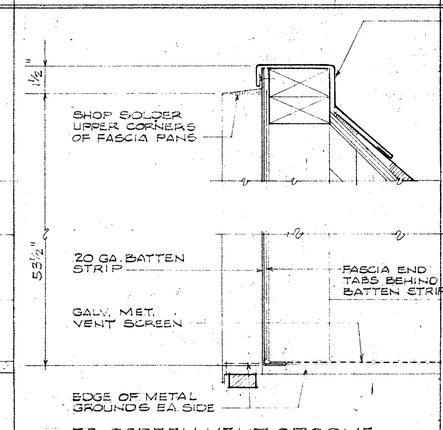
11.6 THIS SHEET IS A "RE-USE" DWG. FROM PREVIOUS CITY HALL PROJECT & MISSING DETAIL NOS. MAY BE DISREGARDED



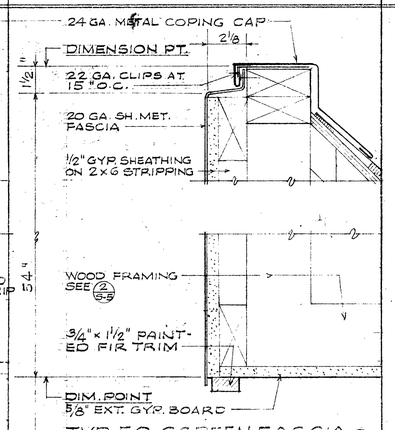
EQUIPMENT SCREEN "ISOMETRIC"
NO SCALE



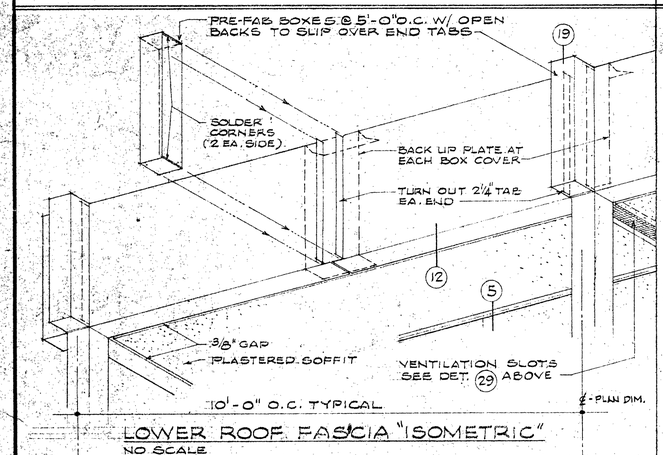
EQ. SCREEN GROOVE (24)



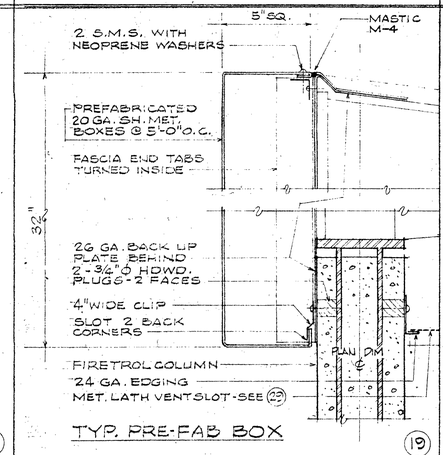
EQ. SCREEN VENT GROOVE (17)



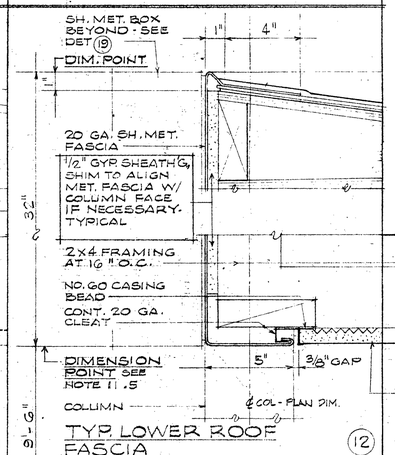
TYP. EQ. SCREEN FASCIA (10)



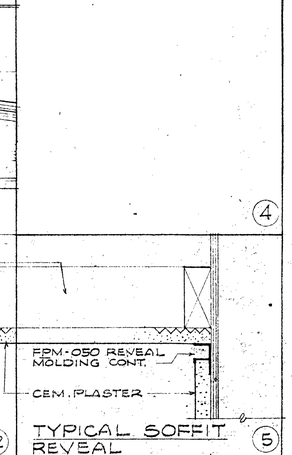
LOWER ROOF FASCIA "ISOMETRIC"
NO SCALE



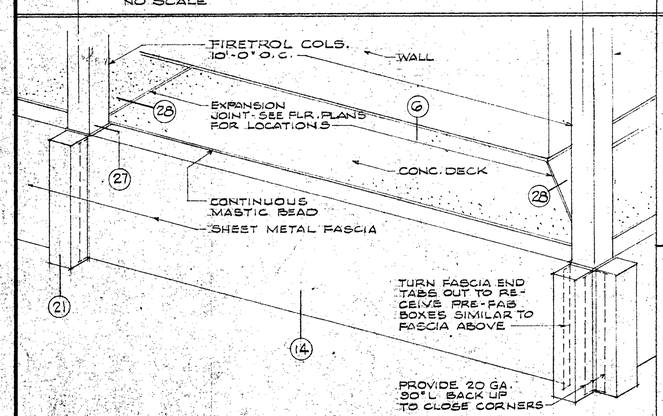
TYP. PRE-FAB BOX (19)



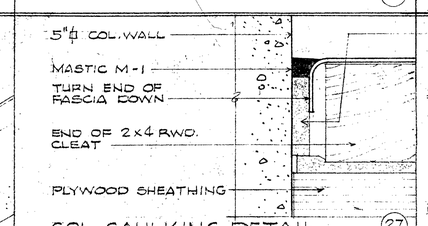
TYP. LOWER ROOF FASCIA (12)



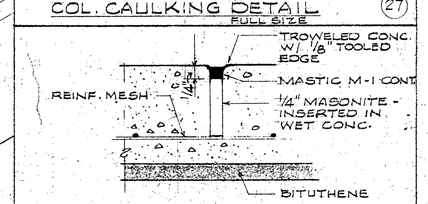
TYPICAL SOFFIT REVEAL (5)



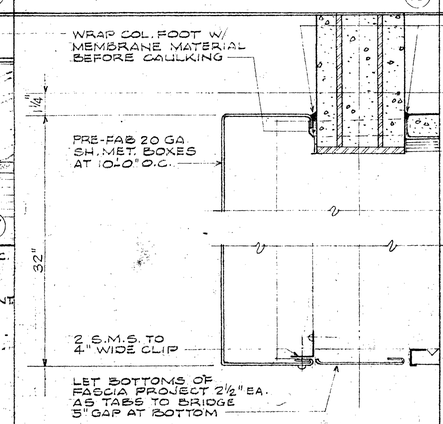
UPPER FLOOR FASCIA "ISOMETRIC"
NO SCALE



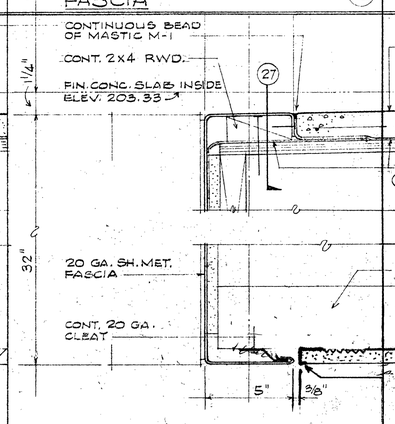
COL. CAULKING DETAIL (27)
FULL SIZE



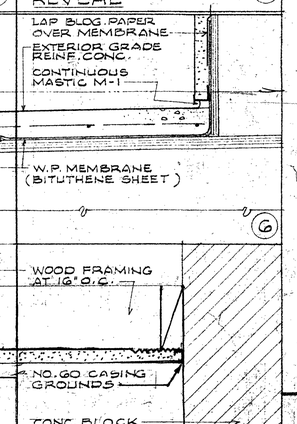
TYP. EXP. JOINT AT DECK (28)
FULL SIZE



TYPICAL COLUMN FOOT (21)



TYPICAL DECK FASCIA (14)



SOFFIT (7)

SHEET METAL DETAILS

SCALE: 3" = 1'-0" UNLESS OTHERWISE NOTED

REVISIONS	
July 27, '73	completion
9.15.73	

JOB: 67-188-L
DATE: 5-22-73
DRAWN: MAS
CHECKED:
APPROVED:

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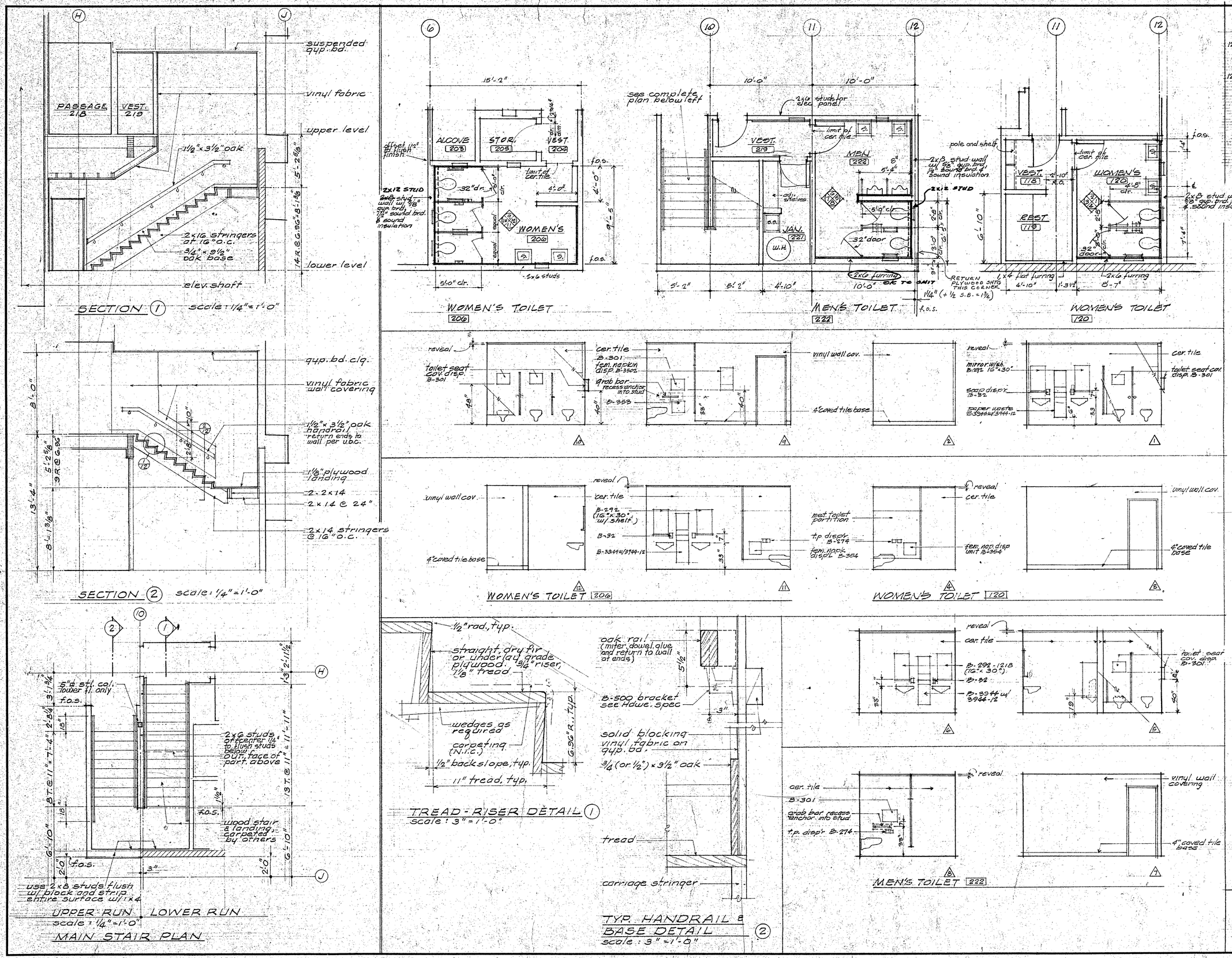
SHEET NO. A-11 OF 16



NOTES:

12.1 See sheet A-16 for additional toilet room plan under Alternate "A"

12.2 See tile details in spec. Section 9E

REVISIONS

9-15-73 completion

JOB: 67-188L
DATE: 5-22-73
DRAWN: R.T. MAS
CHECKED:
APPROVED:

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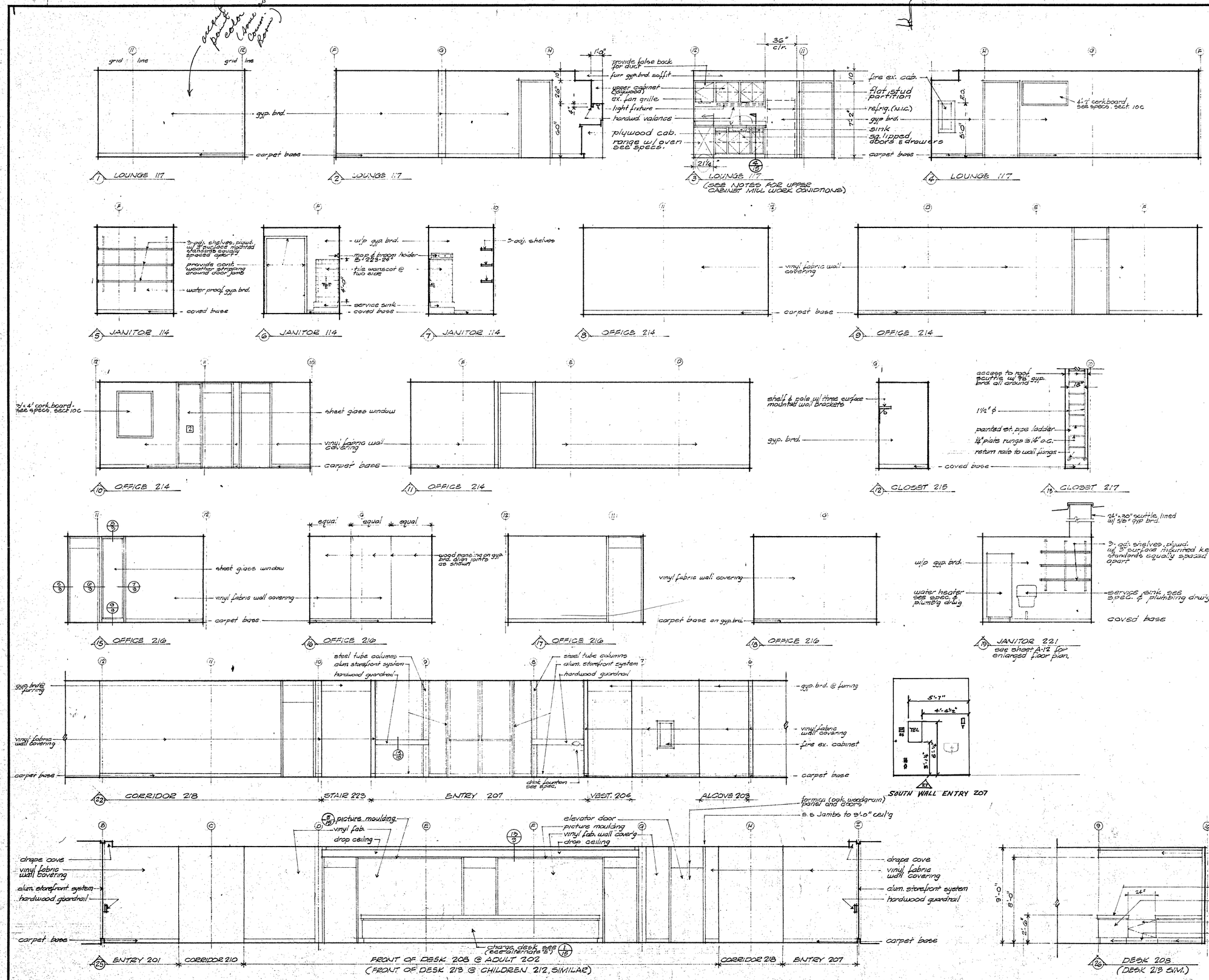
TOILET ROOM PLANS & ELEVS. - MAIN STAIR

SHEET NO. A-12 OF 16



NOTES:

13.1 Notes regarding mill work @ upper cabinet, elev. 3

A. cabinet door to be 3/4" sq. lipped face

B. shelves to adj. 3/4" plywd w/ edge band

C. provide 1/4" plywd. backing

D. scribe hardwd face trim to furred gyp. brd. soffit

REVISIONS

9.15.73 completion

JOB: 67-1886
DATE: 5-22-73
DRAWN: D.W.
CHECKED:
APPROVED:

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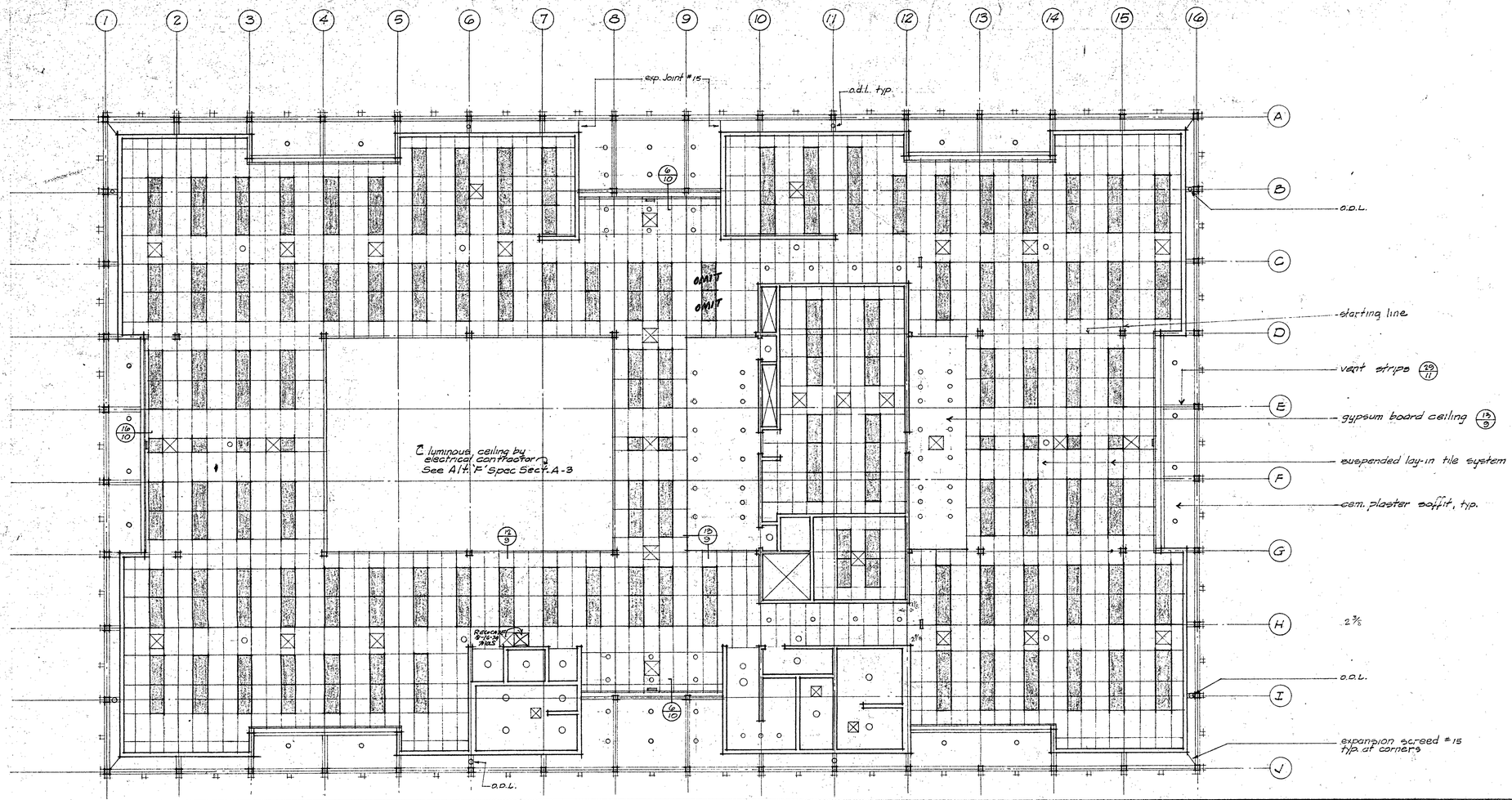
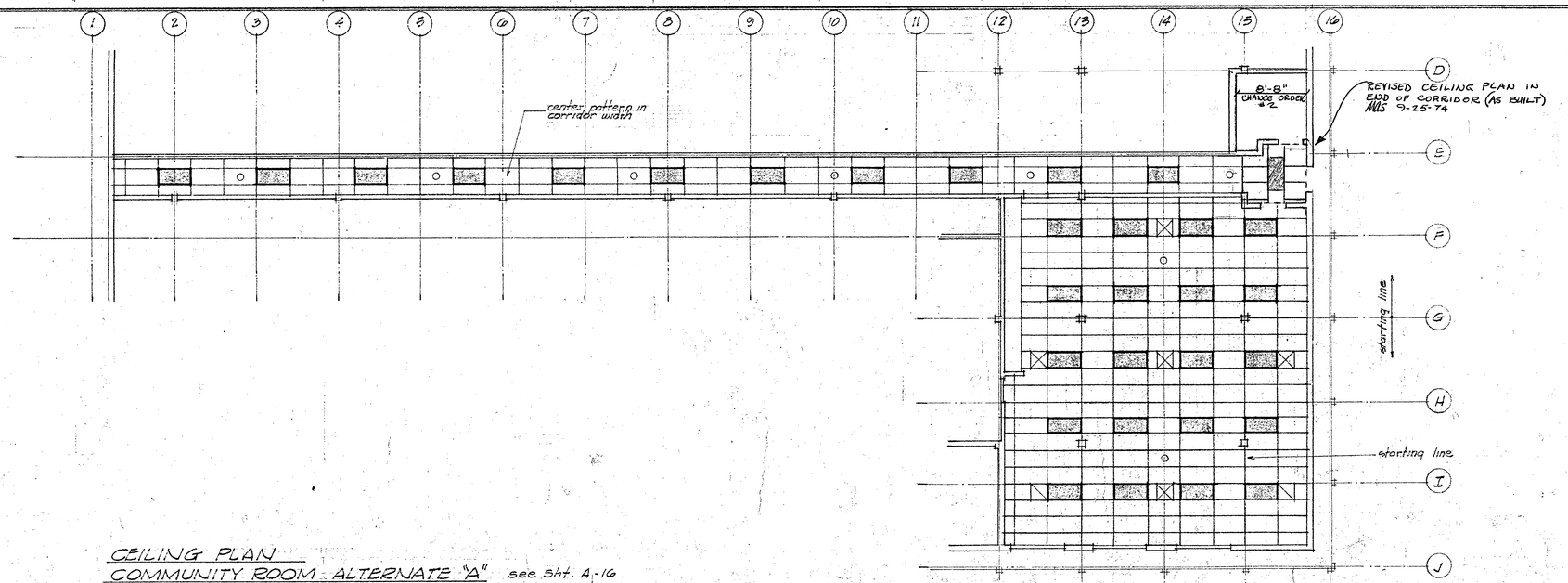
leave off but store for future

INTERIOR ELEVATIONS

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

SHEET NO.
A-13
OF 16





CEILING PLAN
COMMUNITY ROOM - ALTERNATE "A" see Sht. A-16
SCALE: 1/8" = 1'-0"

NOTES:

14.1 see room finish schedule for additional information.

LEGEND

Symbols	Description
	Fluorescent Fixture w/ return air feature
	Supply Air Diffuser
	Suspended Lay-in Tile System (2'x4' Grid)
	Incandescent Ceiling Fixture
	Exit Light

NORTH

CEILING PLAN
UPPER FLOOR
SCALE: 1/8" = 1'-0"

JOB	67-130L
DATE	5-22-73
DRAWN	M.A.S.
CHECKED	R.W.
APPROVED	

REVISIONS
9.15.73 completion

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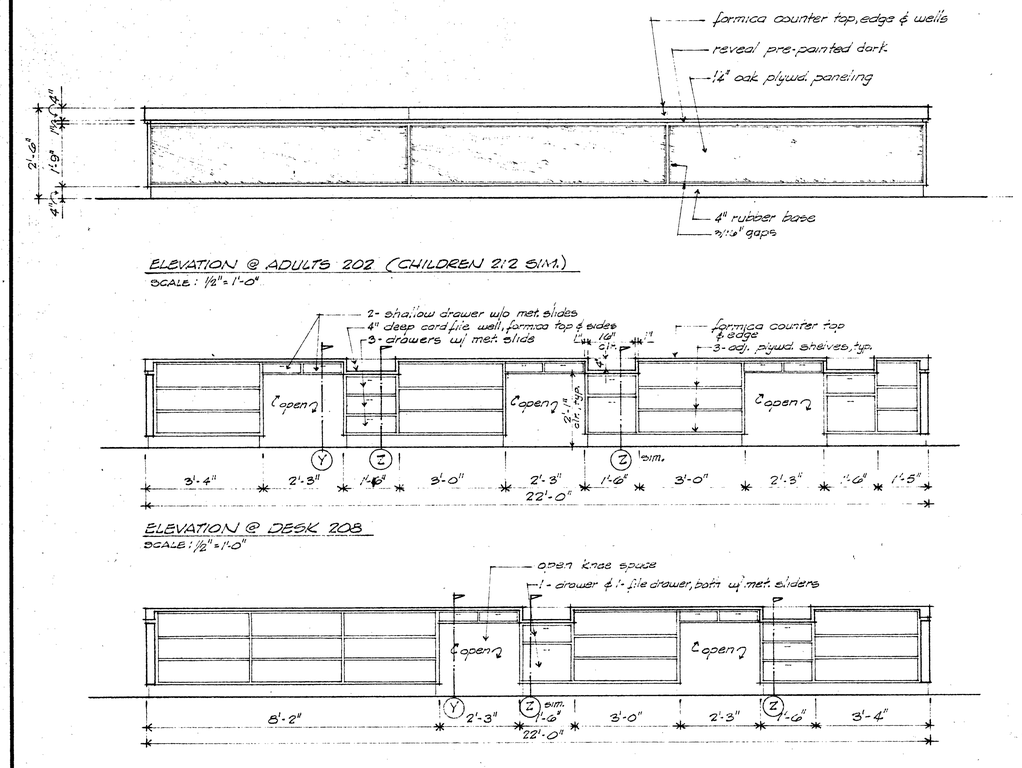
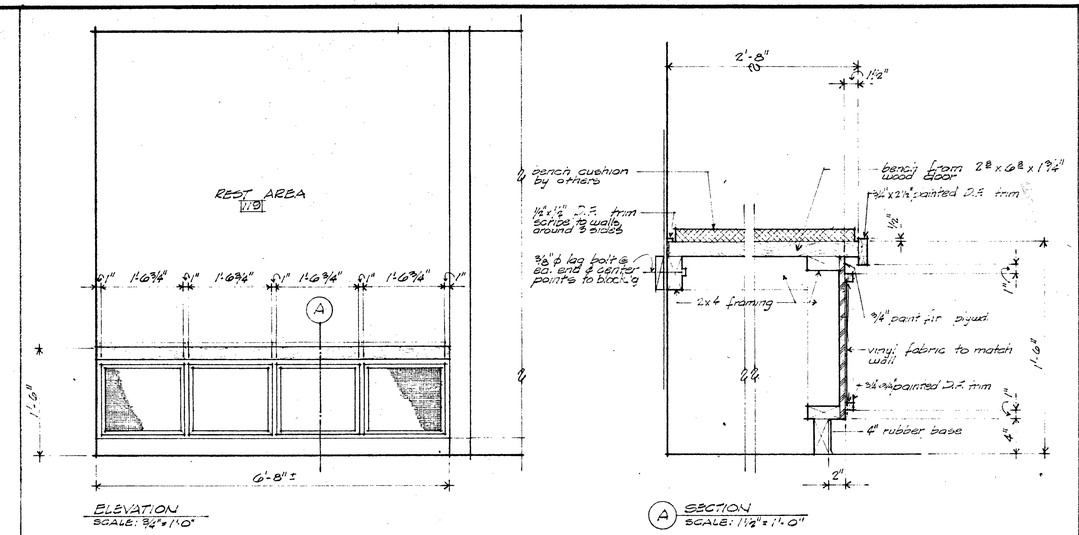
SHEET NO.
A-14
OF 16



(1) CHARGE DESK ELEVATION & SECTIONS See Spec. Section A-3 for Alternates 'D' & 'E'

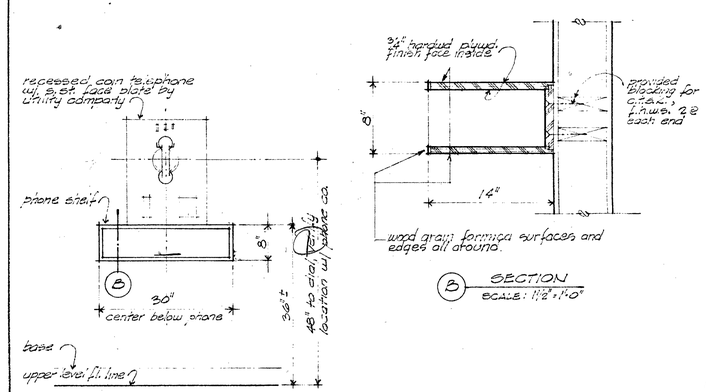


(2) REST BENCH

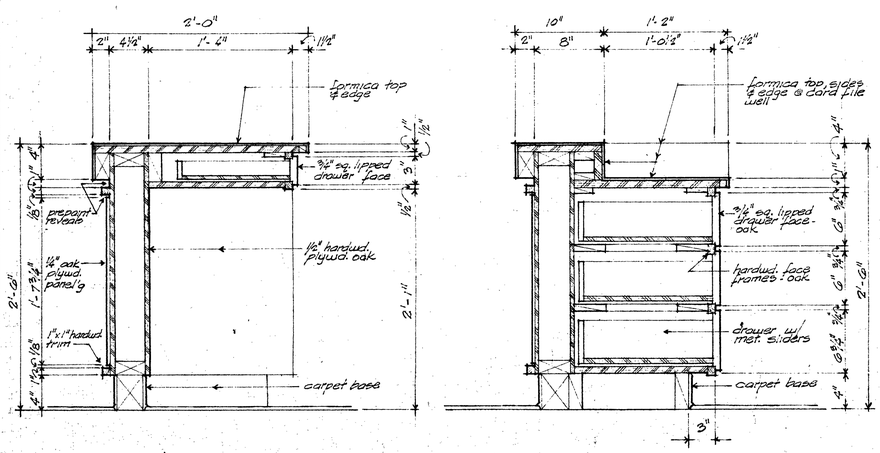
NOTES:

15.1 See spec. for shop drawing requirements Sec. 0.2B

15.2 rubber base shown on cabinets by res. floor contract.

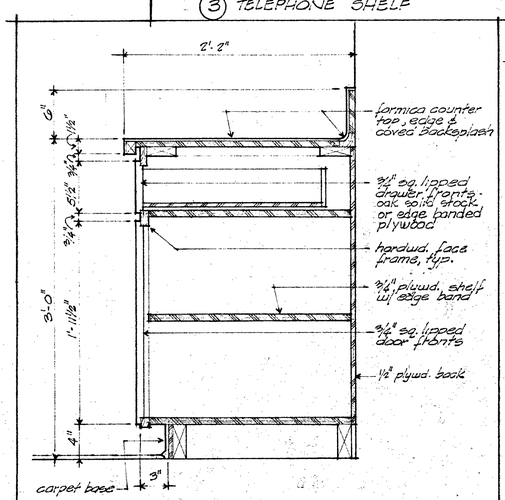


(3) TELEPHONE SHELF

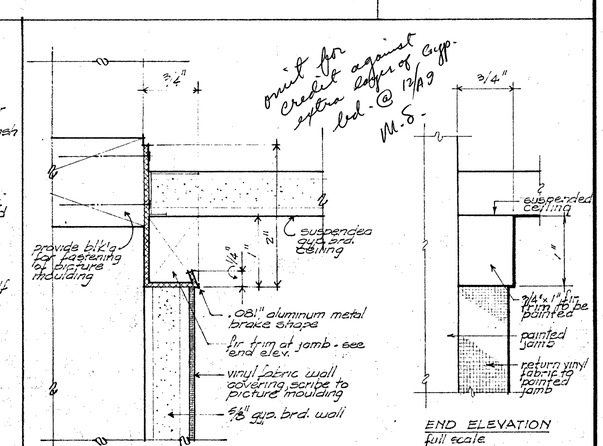


(Y) SECTION @ OPEN KNEE SPACE @ 1 1/2" = 1'-0"

(Z) SECTION @ CARD FILE WELL @ 1 1/2" = 1'-0".



(4) BASE CABINET @ LOUNGE 117
SCALE: 1 1/2" = 1'-0"



DETAIL @ FULL SCALE

(5) PICTURE MOULDING

FINISH MILL WORK & MISCELLANEOUS DETAILS

SCALE: AS NOTED

JOB	67.1861
DATE	5-22-73
DRAWN	M.A.S.
CHECKED	R.W.
APPROVED	

REVISIONS

9-15-73	completion

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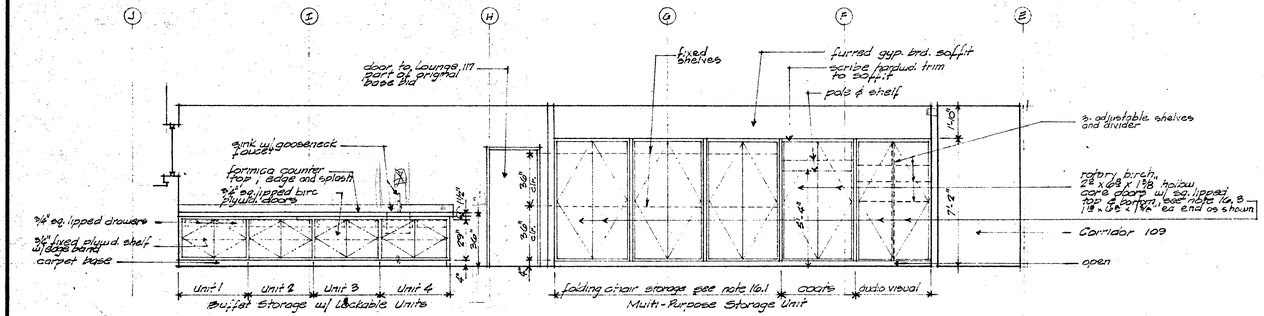
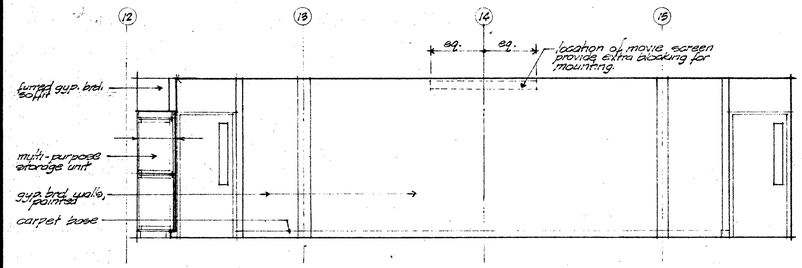
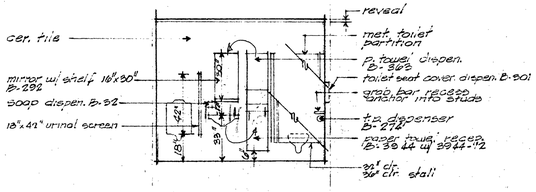
SHEET NO. A-15 OF 16



1 COMMUNITY ROOM 110 sim. to 4/15



2 COMMUNITY ROOM 110

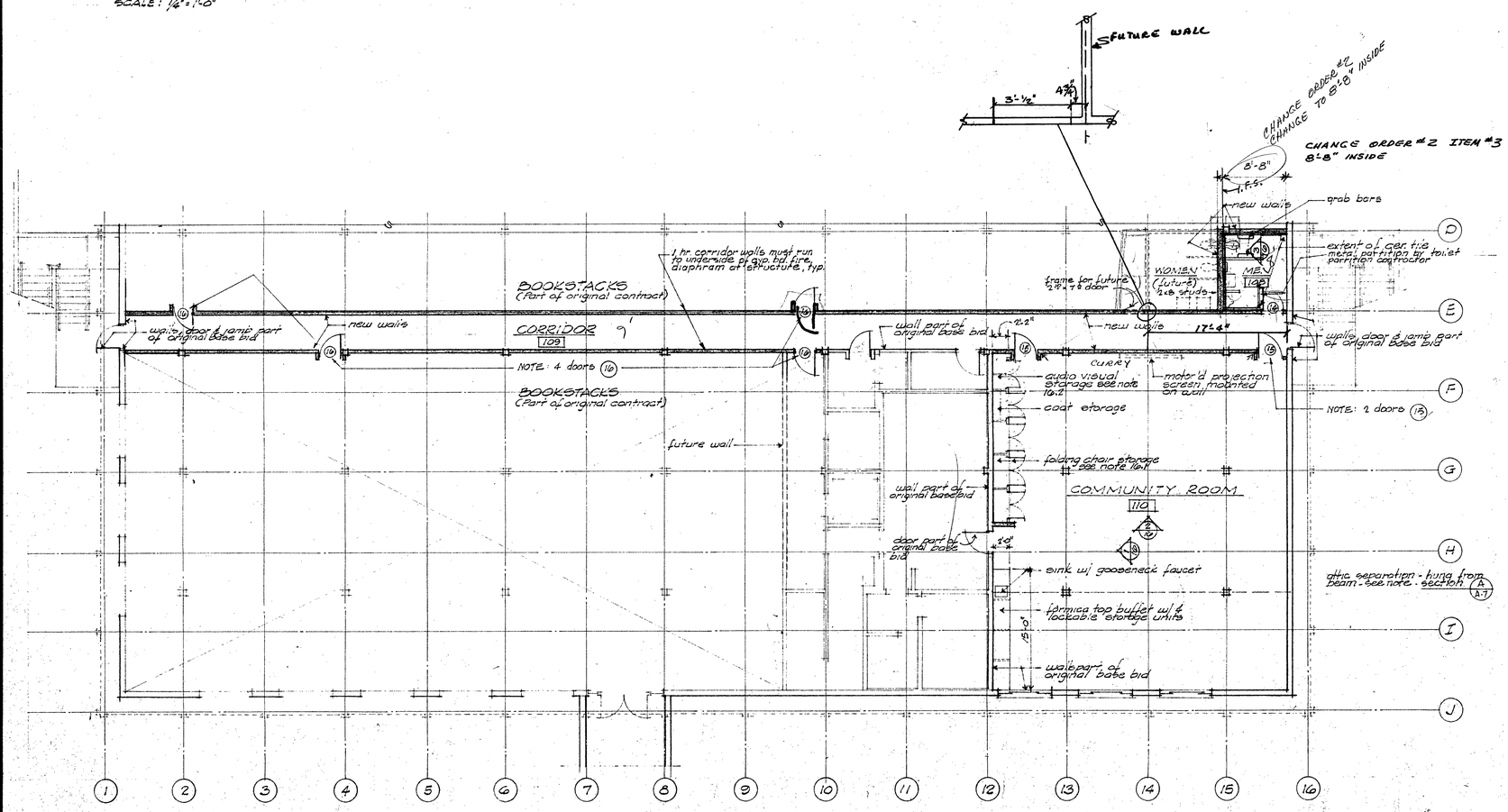


3 MEN'S TOILET 108

ALTERNATE "A" INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

RECORD OF INSPECTIONS

2'& 4'	BOND	BEAM-	WEST WALL	2-20-74
2'& 4'	BOND	BEAM-	SOUTH WALL	2-21-74
2'& 4'	BOND	BEAM-	EAST WALL	2-22-74
2'& 4'	BOND	BEAM-	NORTH WALL	2-25-74
6'& 8'	BOND	BEAM	WEST WALL	2-26-74
6'& 8'	BOND	BEAM	SOUTH WALL	2-27-74
6'& 8'	BOND	BEAM	EAST WALL	3-6-74
6'& 8'	BOND	BEAM	NORTH WALL	3-11-74
10'& 12'	BOND	BEAM	WEST WALL	3-12-74
10'& 12'	BOND	BEAM	SOUTH WALL	3-12-74
10'& 12'	BOND	BEAM	EAST WALL	3-13-74
10'& 12'	BOND	BEAM	NORTH WALL	3-14-74



NOTE:

16.1 Provide continuous 1 1/2" x 3 1/4" wood strip guides @ 3 1/2" o.c. top & bottom of shelves for folding chair storage.

16.2 See section 6.8 for shop drawings req.

16.3 See group 12 finish hardware for cabinets. Provide eight cylinder locks @ buffet storage & two @ audio visual storage. Provide 3" x 3" butts & dummy nobs @ all 2 3/8 & 1 1/8 6 3/8 x 1 3/8 hollow core doors.

16.4 See sheet A-14 for Alternate "A" Reflective Ceiling Plan

ALTERNATE 'A' PLAN
See Spec. Section A-3
SCALE: 1/8" = 1'-0"

JOB: 67-188L
DATE: 5-22-73
DRAWN: M.A.S. D.W.
CHECKED:
APPROVED:

REVISIONS
9.15.73 completion

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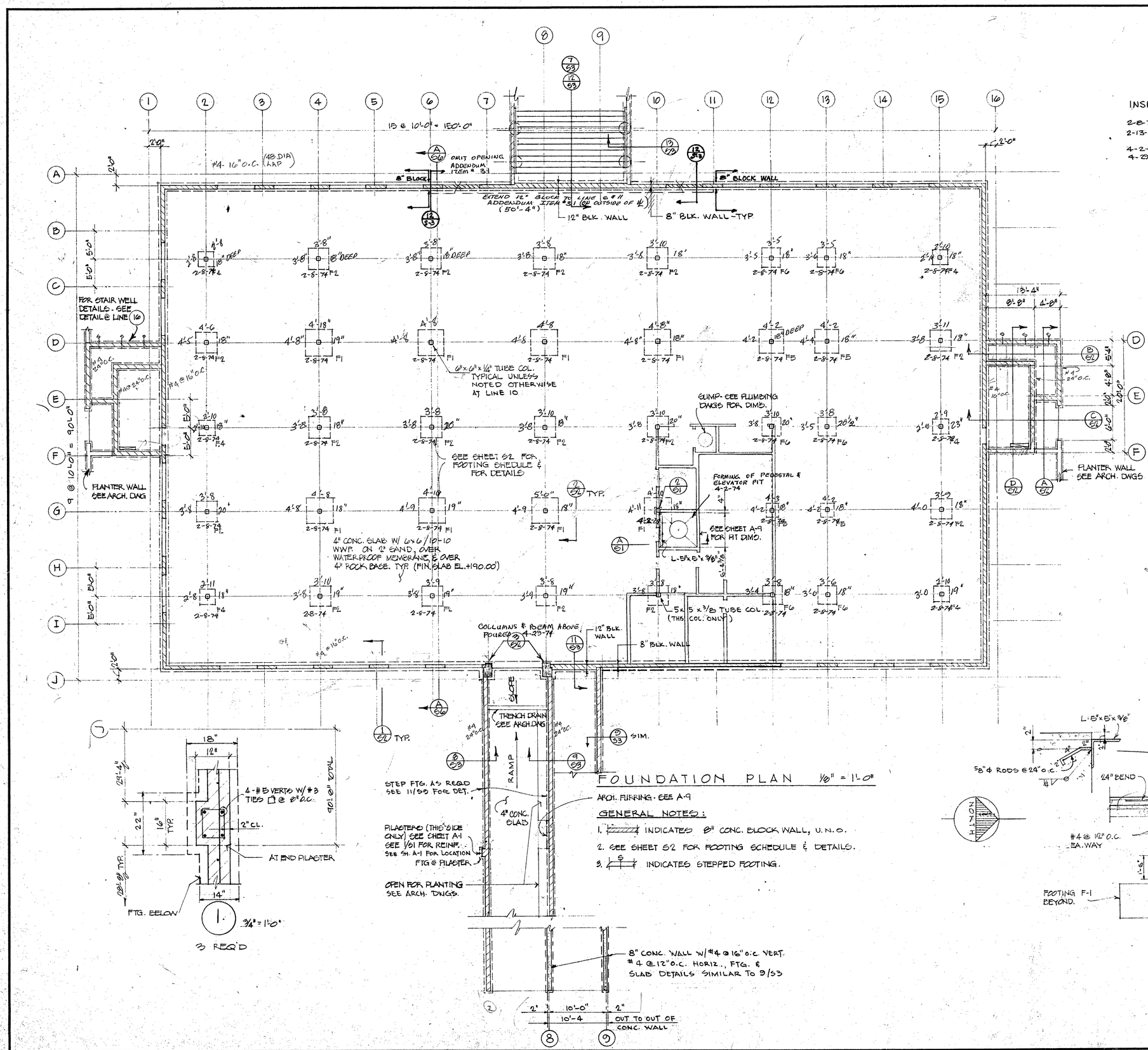
SHEET NO.
A-16
OF 16



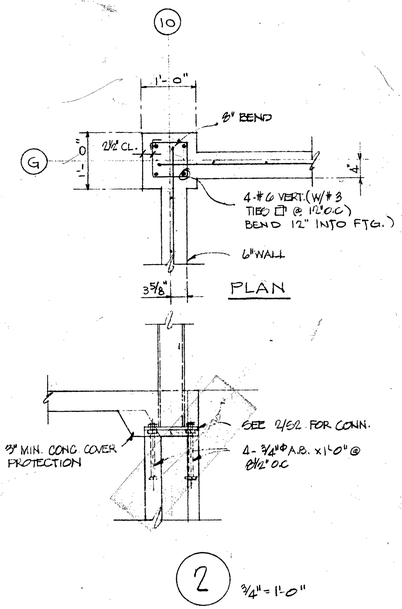
FOUNDATION PLAN 1/8" = 1'-0"

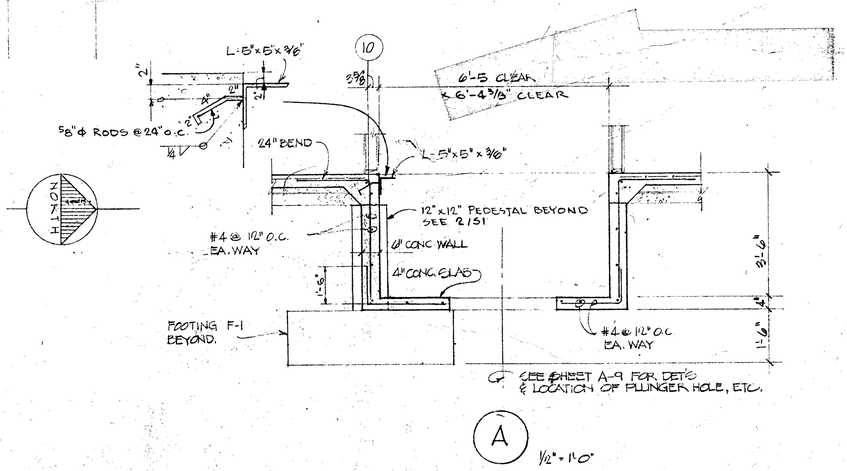
GENERAL NOTES:

1. INDICATES 8" CONC. BLOCK WALL, U.N.O.
2. SEE SHEET S2 FOR FOOTING SCHEDULE & DETAILS.
3. INDICATES STEPPED FOOTING.

INSPECTION RECORDS

2-8-74 - COL. FOOTINGS & STEEL AS NOTED ON THIS SHEET
2-13-74 - FOOTINGS & STEEL FOR EXTERIOR WALLS IN BASEMENT FOOTINGS & STEEL FOR STAIR WELL LOWER WALLS
4-2-74 FORMING OF ELEVATOR PIT & 12"x12" PEDESTAL
4-29-74 POURED IN PLACE VERTICAL COLLUMNS & SPANDREL BEAM @ J-7 & 8





JOB: 67-188L
DATE: 5-22-73
DRAWN:
CHECKED:
APPROVED:

REVISIONS
9.15.73

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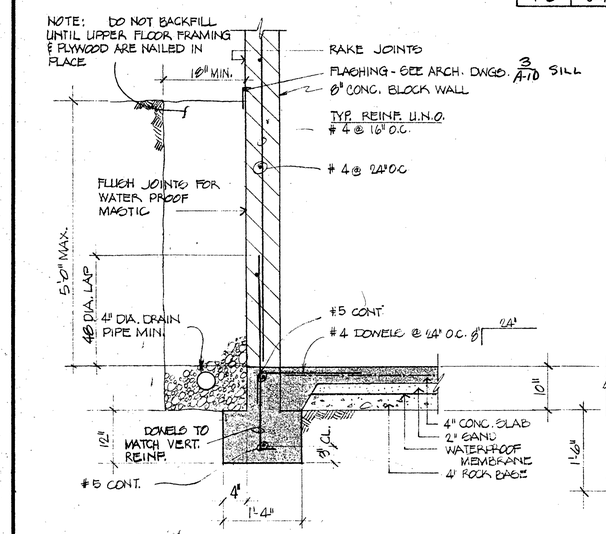
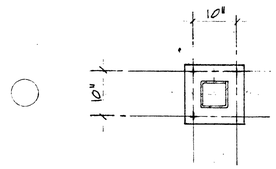
SHEET NO.
S1
OF 9

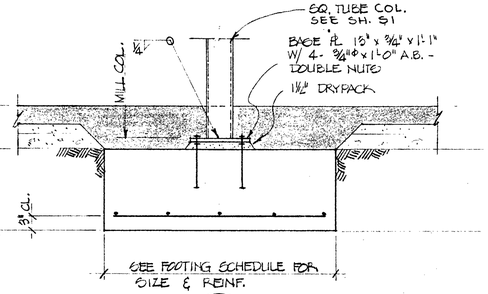
D.R.J. 63-18L

FOOTING SCHEDULE				
NO.	SIZE	THICK.	REINF.	BASE PL.
F1	4'-0" x 4'-0"	1'-6"	#5 @ 10" O.C.E.W.	
F2	3'-0" x 3'-0"	1'-6"	#5 @ 12" O.C.E.W.	
F4	2'-0" x 2'-0"	1'-6"	#5 @ 12" O.C.E.W.	
F5	4'-2" x 4'-2"	1'-6"	#5 @ 12" O.C.E.W.	
F6	3'-4" x 3'-4"	1'-6"	#5 @ 12" O.C.E.W.	

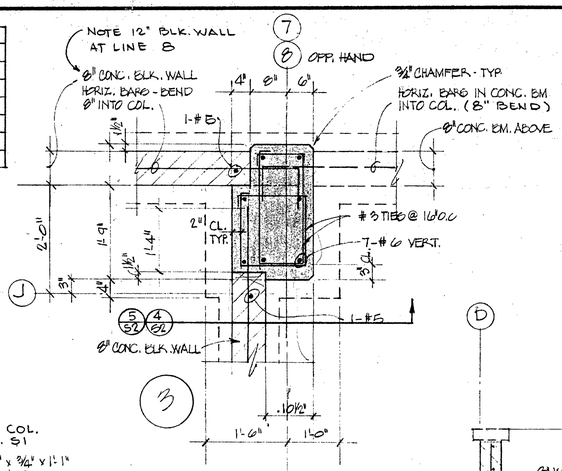


1 3/4" = 1'-0"





2 NO SCALE



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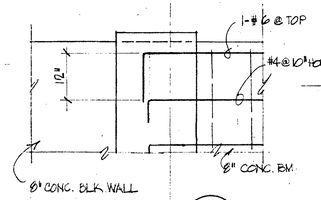

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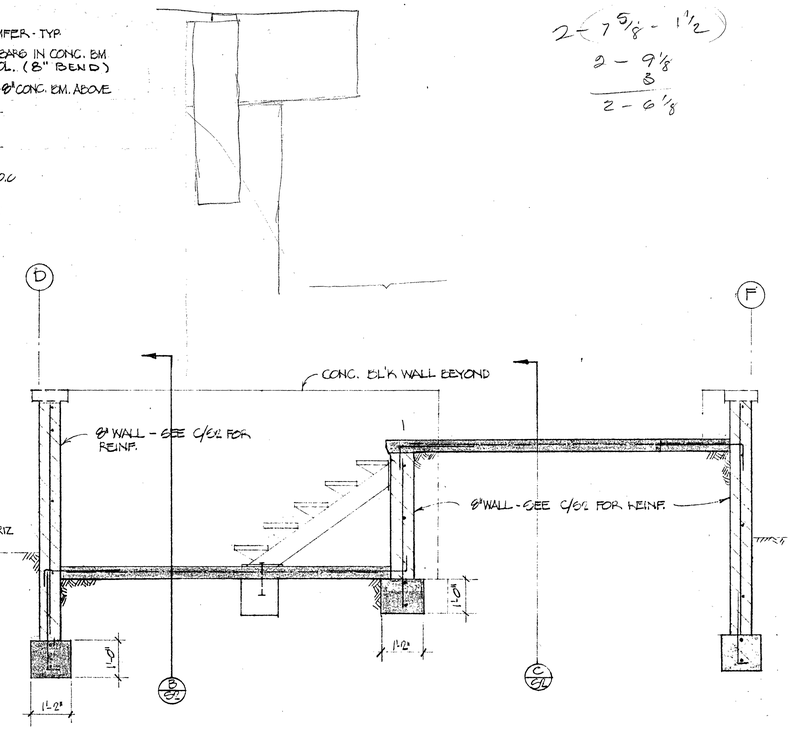
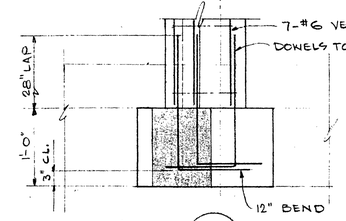
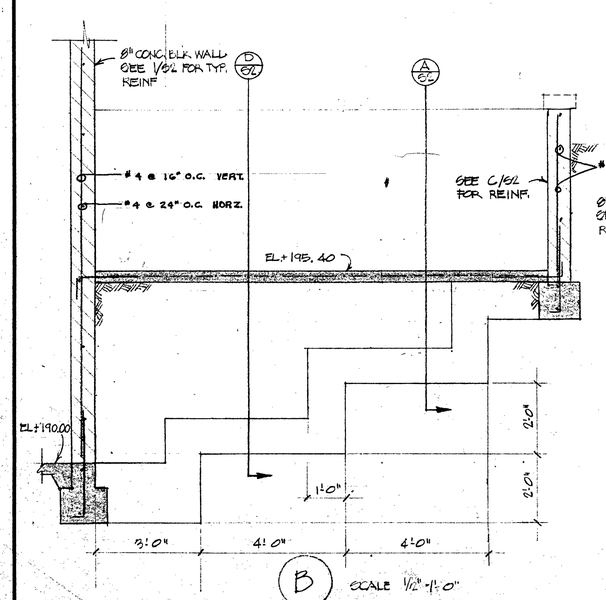


A SCALE 1/2" = 1'-0"

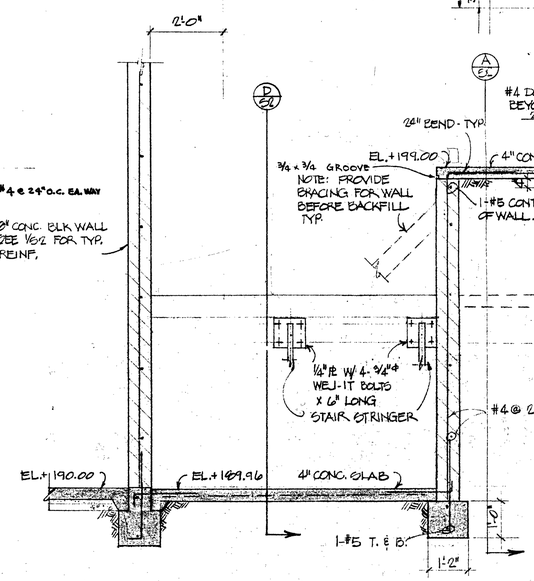
2 - 7 5/8 - 1 1/2
2 - 9 1/8
3
2 - 6 1/8



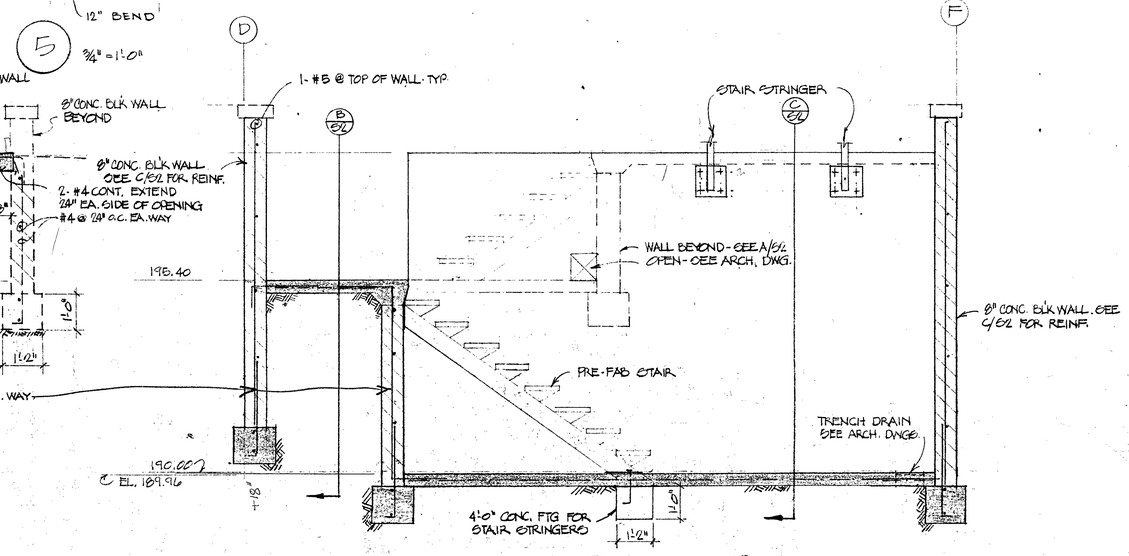
5 3/4" = 1'-0"



B SCALE 1/2" = 1'-0"



C SCALE 1/2" = 1'-0"



D SCALE 1/2" = 1'-0"

REVISIONS
9-15-73

JOB: 67-185L
DATE: 5-22-73
DRAWN:
CHECKED:
APPROVED:

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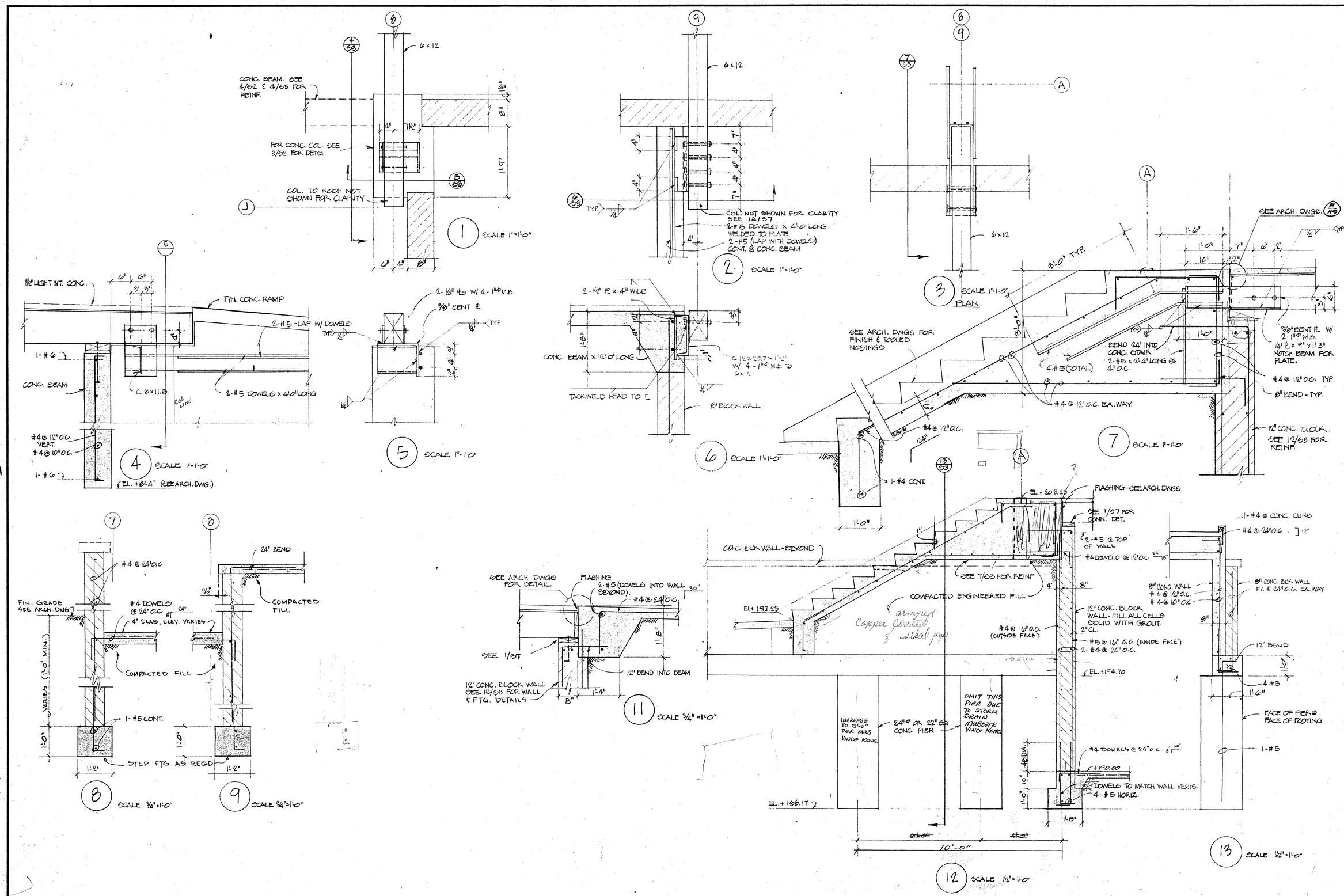
SHEET NO.
S2
OF 9

D.R.J. 68-18L



JOB 167-08L	
DATE: 5-22-73	
DRAWN:	
CHECKED:	
APPROVED:	

REVISIONS

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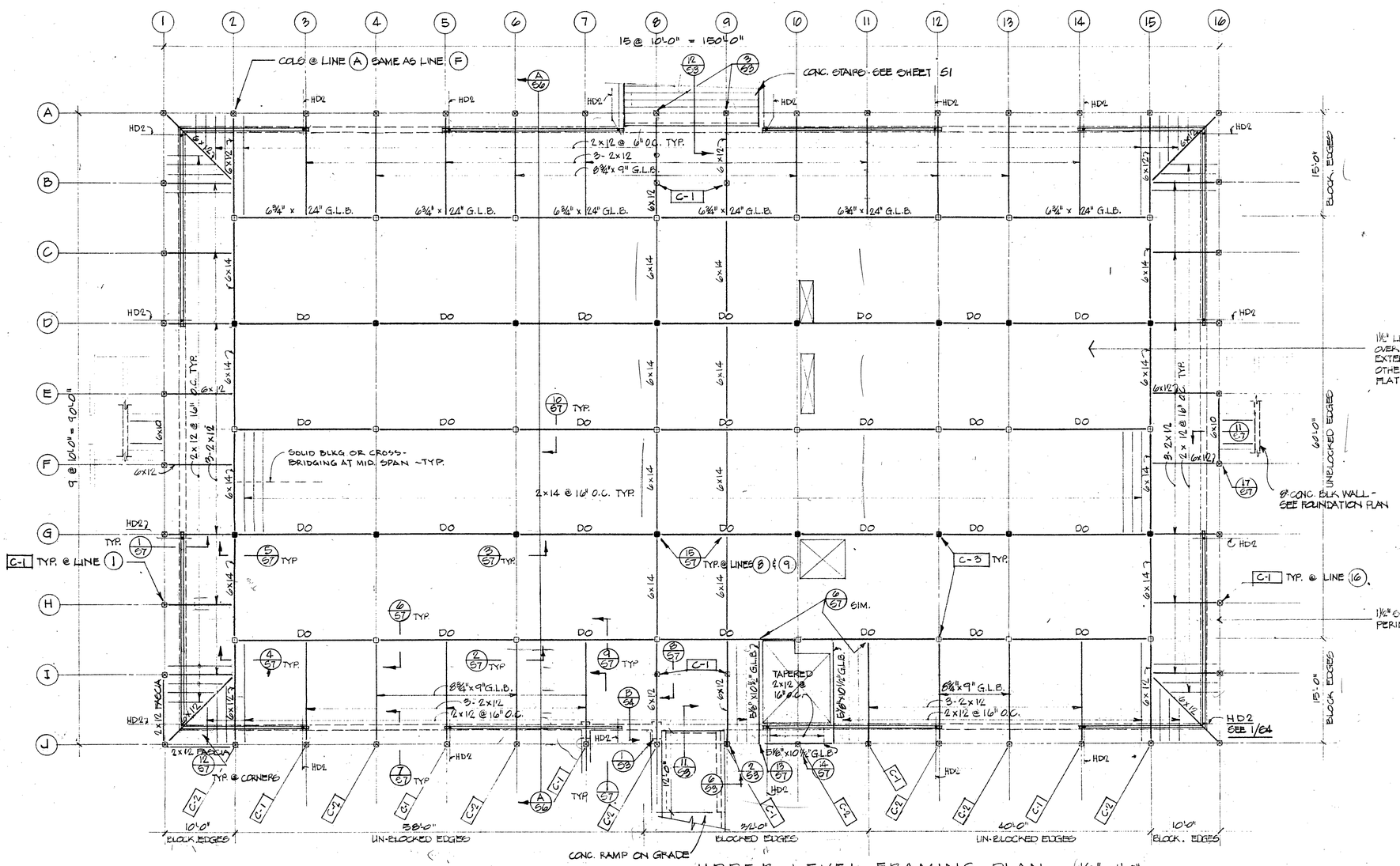
SHEET NO.
S3
OF 9

68-18L

RECORD OF INSPECTIONS

FLOOR FRAMING (GLULAMS + JOISTS) COMPLETE 4-18-74 [illegible]
PLYWOOD SUBFLOOR COMPLETE (LAYING + NAILING) 5-9-74 [illegible]



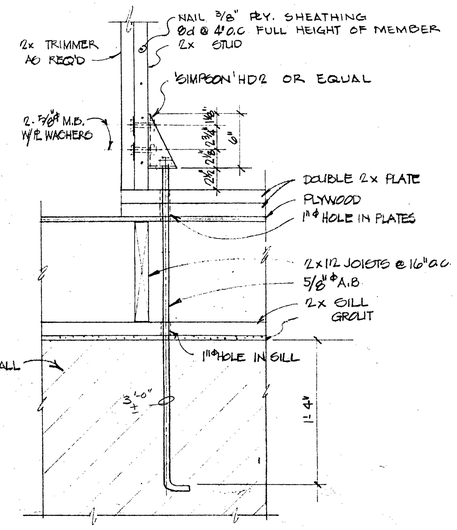
UPPER LEVEL FRAMING PLAN 1/8" = 1'-0"

NOTES:

1.) COLUMN NOTATION
- ■ COLUMNS FROM BASEMENT TO ROOF.
- □ COLUMNS FROM BASEMENT TO UPPER FLOOR.
- ⊠ COLUMNS FROM UPPER FLOOR TO ROOF.

2.) ALL COLUMNS FROM UPPER LEVEL FLOOR TO ROOF ARE FIRE-TROL COLUMNS.
- C-1 5" SQ SHELL FIRE-TROL COL., 2" x 2" x 3/16" STEEL TUBE.
- C-2 5" SQ. SHELL FIRE-TROL COL., 2½" x 2½" x ¼" STEEL TUBE
- C-3 6" SQ. SHELL FIRE-TROL COL., 3½" STD. PIPE AT ALL INTERIOR COLS. FROM UPPER LEVEL TO ROOF.

3) HD2 INDICATE SIMPSON HOLDOWN HD2 OR EQUAL SEE 1/S4 FOR DETAILS



(1) HOLDOWN 1½" = 1'-0"

JOB: 67-188L
DATE: 5-22-73
DRAWN:
CHECKED:
APPROVED:

REVISIONS
9.15.73

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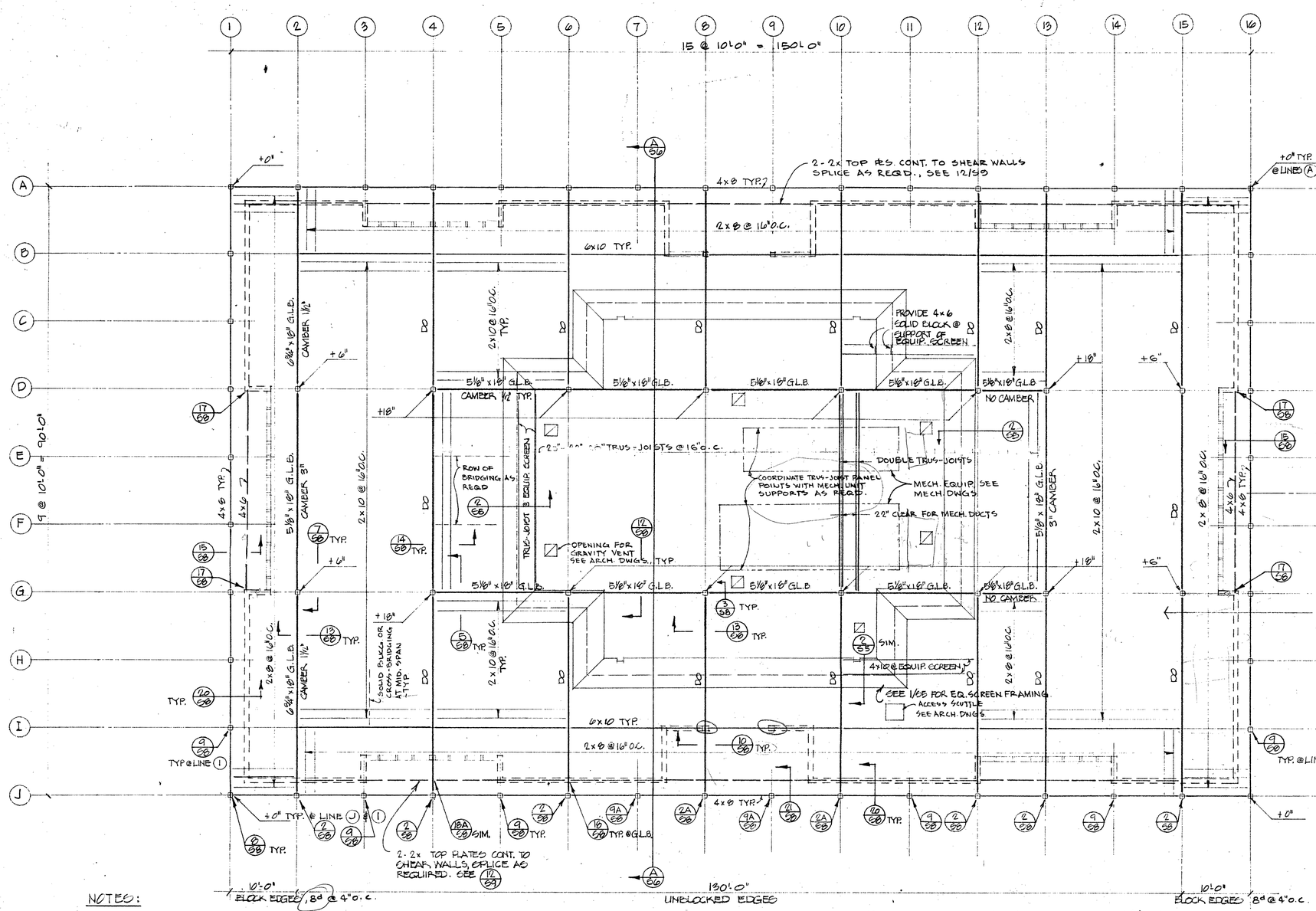
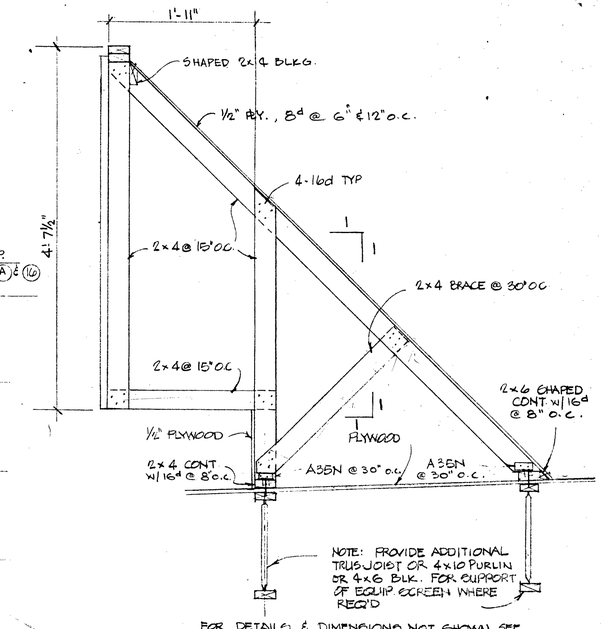
SHEET NO.
S4
OF 9

D.R.J. 63-186



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

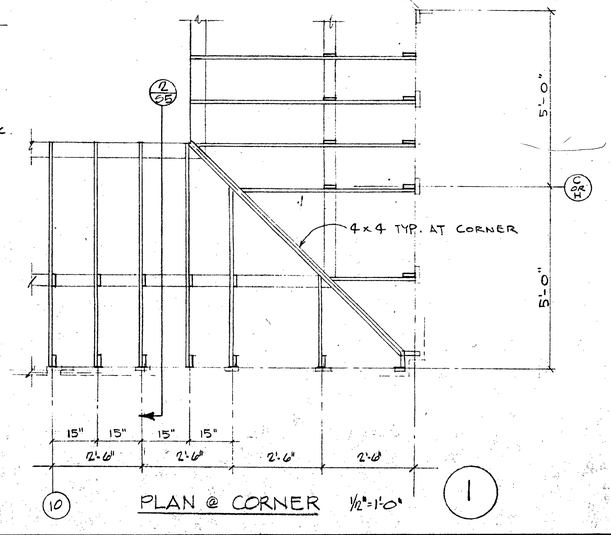


2 1" = 1'-0"

℄ SYMM. U.N.O.

1/2" PLYWOOD STD. CH'G., EXTERIOR GRADE. UNBLOCKED EDGES UNLESS OTHERWISE NOTED ON PLAN (USE 2x8 FLAT BLOCKING) 8d @ 6" & 12" O.C. (8d @ 4" O.C. AT BOUNDARIES) TYP. UNLESS NOTED OTHERWISE

PLYWOOD ROOF NAILING COMPLETE 5-9-74



PLAN @ CORNER 1/2" = 1'-0" 1

NOTES:

1.) ELEVATIONS SHOWN THUS, +18 ARE TO TOP OF PLYWOOD. (ELEV. 0'-0" = ELEV. 214.63)

2.) SEE SHEET S4 FOR COL. TYPE & SIZE.

3.) TRUS-JOIST DESIGN LOAD
DL = 16 PSF, LL = 20 PSF PLUS MECH. LOAD.

JOB	167-185L
DATE	5-22-73
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REVISIONS

9-15-73

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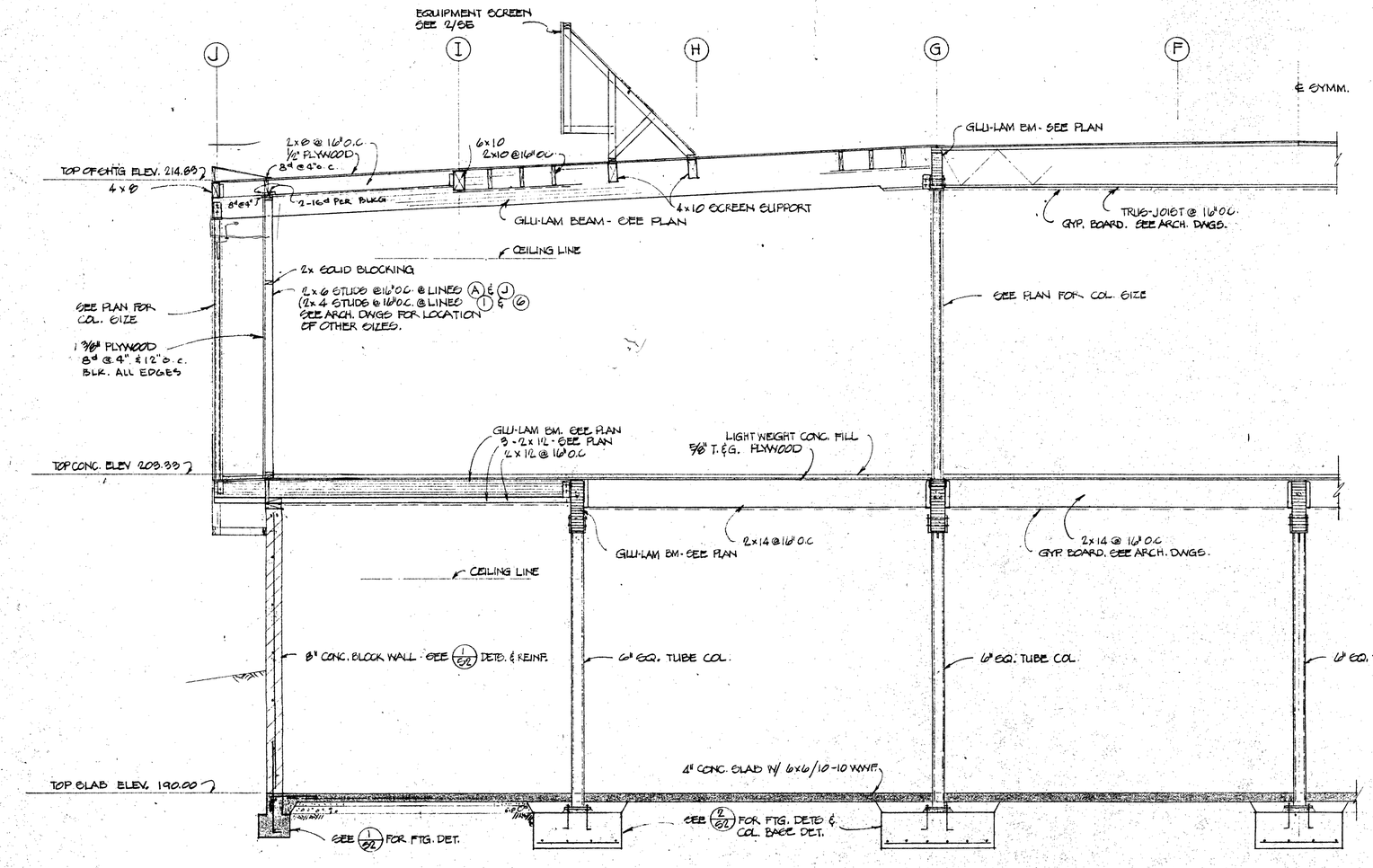
S5
OF 9

D.R.J. 63-18L

9"-15
4.5- 7.5
2.1/4- 3 3/4
1 1/8-



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

JOB: 67-188L
DATE: 5-22-73
DRAWN:
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9.15.73

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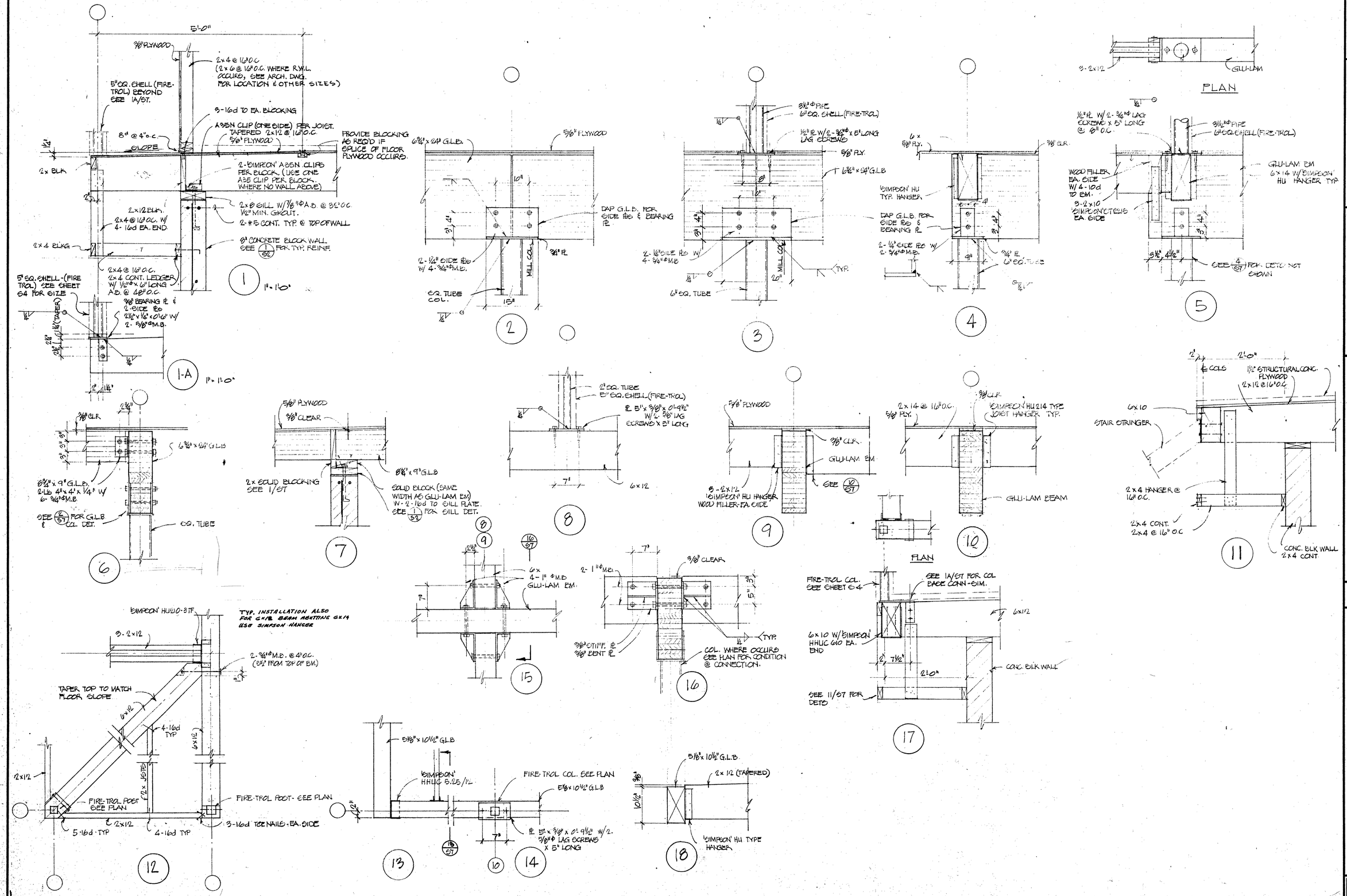
SHEET NO.
S6
OF 9

D.R.J. 63-18L



UPPER FLOOR FRAMING DETAILS 1" = 1'-0"

JOB 127-181L
DATE: 6-22-73
DRAWN:
CHECKED:
APPROVED:

REVISIONS
9-15-73

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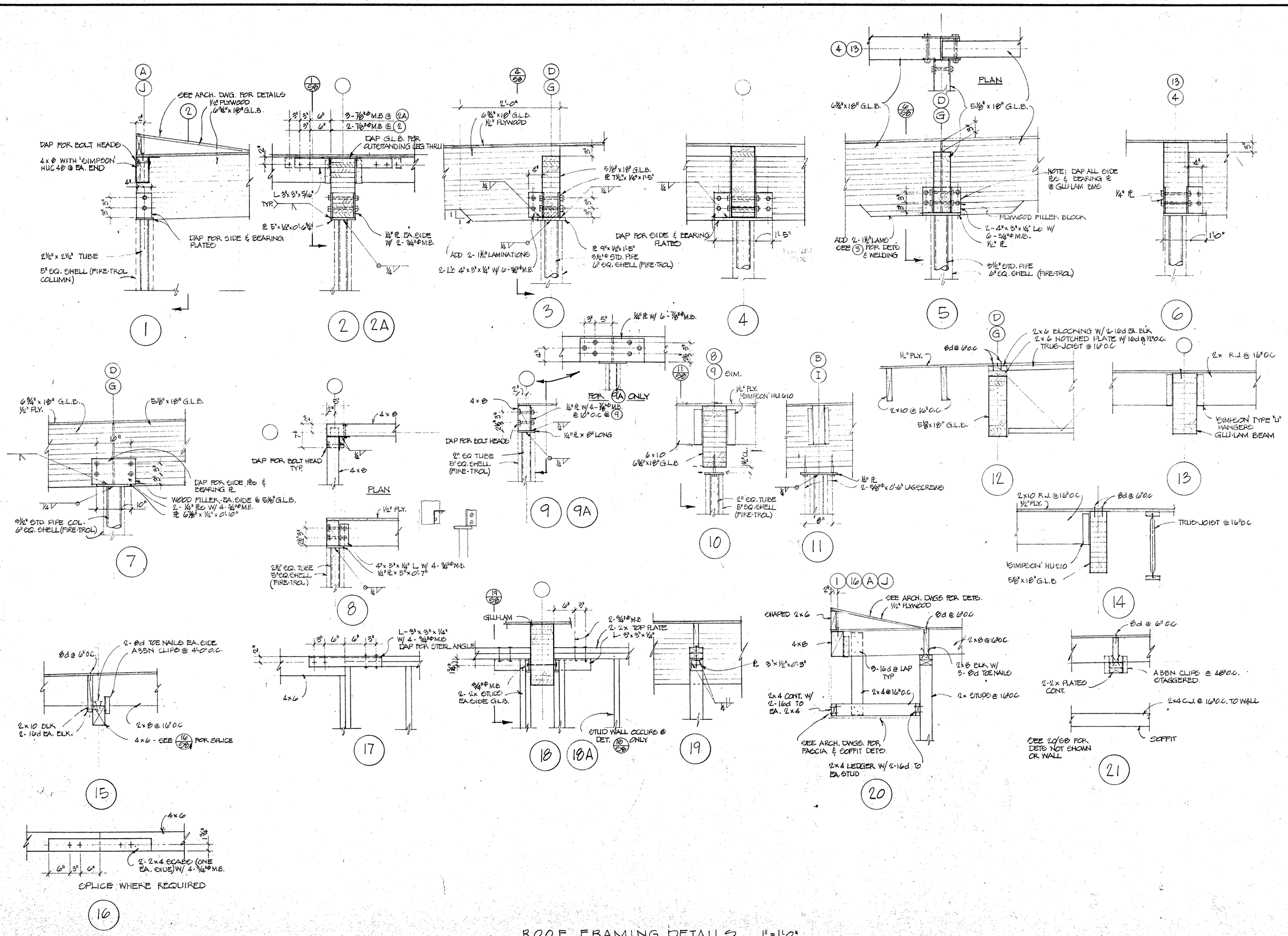
SHEET NO.
S7
OF 9

DRW 127-181L



ROOF FRAMING DETAILS 1" = 1'-0"

JOB 1G7-18L
DATE: 5-22-73
DRAWN :
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REVISIONS
9-15-73

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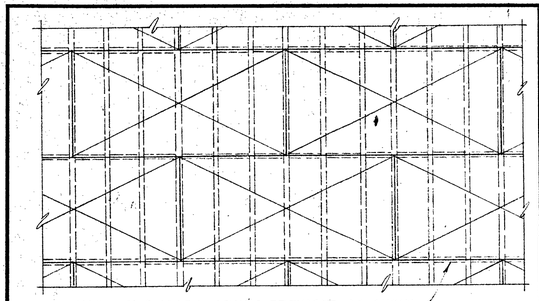
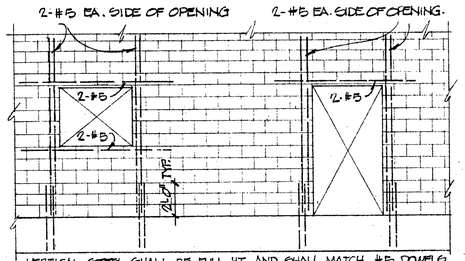
SHEET NO.
S8
OF 9

DRW. 63-18L



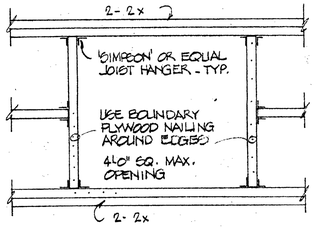
NOTE: 2x3 FLAT BLOCKING REQUIRED AS SHOWN ON PLANS ONLY.

ROOF & FLOOR DIAPHRAM 1.

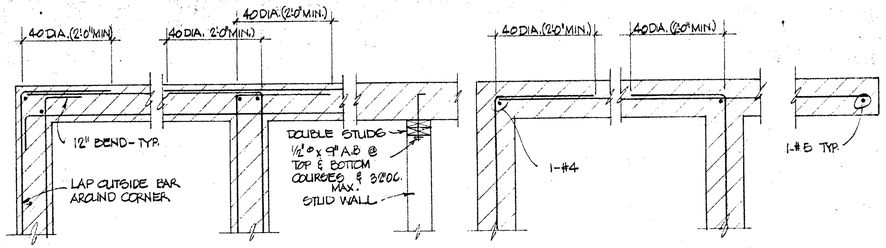


VERTICAL STEEL SHALL BE FULL HT. AND SHALL MATCH #5 DOWELS THAT PROJECT 2'-0".
HORIZONTAL STEEL SHALL BE IN BOND BEAMS OR LINTEL UNITS OR BOTH & SHALL PROJECT 2'-0" MIN. BEYOND EDGE OF OPENING.

MINIMUM REINFORCING AROUND OPENINGS 2.



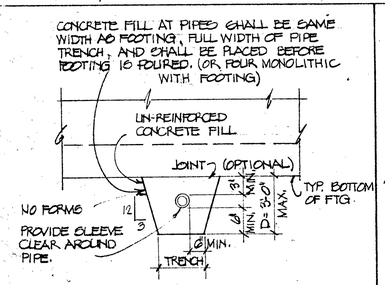
TYPICAL OPENING 3.



TYPICAL CORNER TYPICAL INT. WALL
DOUBLE LAYER REINF.

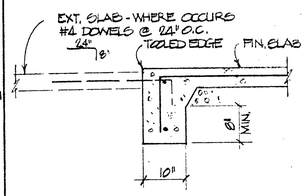
TYP. CORNER TYP. INTER. WALL
SINGLE LAYER REINF.

TYPICAL REINFORCING AT INTERSECTION OF MASONRY. 4.

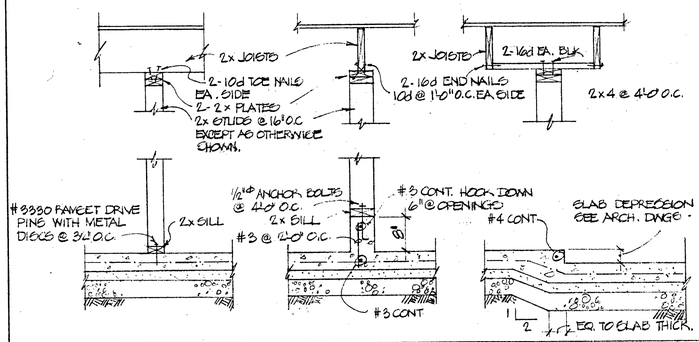


NOTE: WHERE PIPE IS MORE THAN 3'-0" BELOW BOTTOM OF FOOTING, PROVIDE STEPS AS SHOWN IN 11/S9.

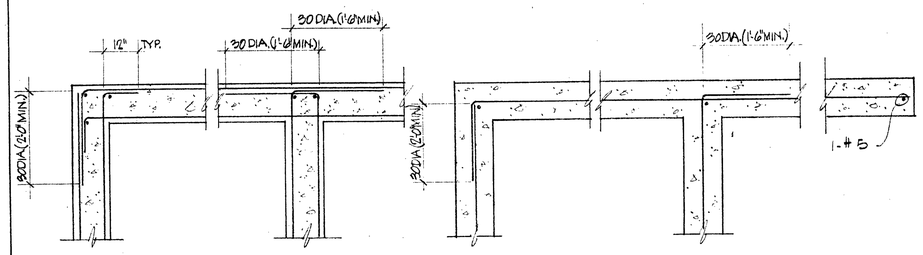
WHERE PIPES ARE BELOW FOOTINGS 5.



TYP. SLAB EDGE THICKENING 6.



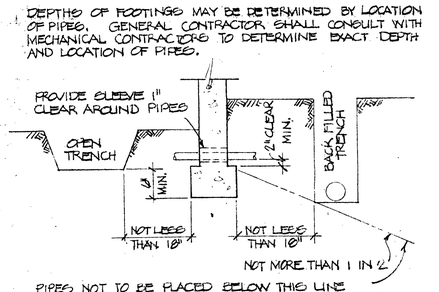
NON-BEARING / NON-SHEAR WALL DETAILS. 7.



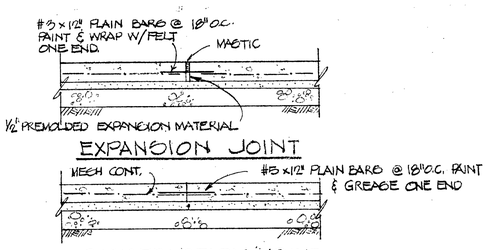
TYP. CORNER INTERIOR WALL
DOUBLE LAYER REINF.

TYP. CORNER INTERIOR WALL
SINGLE LAYER REINF.

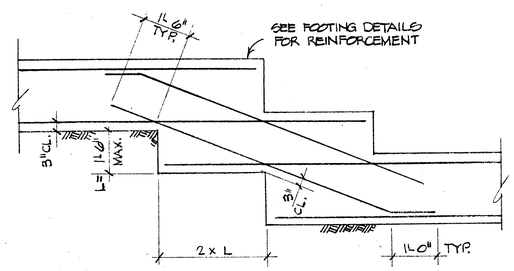
TYPICAL REINFORCING AT INTERSECTION OF CONCRETE WALLS AND FTGS. 8.



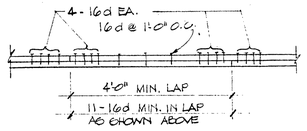
RELATION OF PIPES & TRENCHES TO FOOTINGS 9.
(APPLIES ALSO TO PIERS, COLUMN FOOTINGS, ETC.)



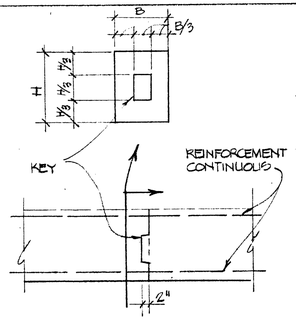
TYPICAL SLAB DETAILS 10.



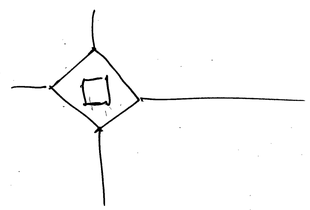
STEPS IN WALL FOOTING 11.



TYPICAL SPLICE FOR DOUBLE 2x PLATES AT SHEAR WALLS 12.



VERTICAL CONSTRUCTION JOINT AT CONTINUOUS FOOTINGS. 13.



JOB	1G7-/83L
DATE:	5-22-73
DRAWN:	
CHECKED:	
APPROVED:	

REVISIONS
9-15-73

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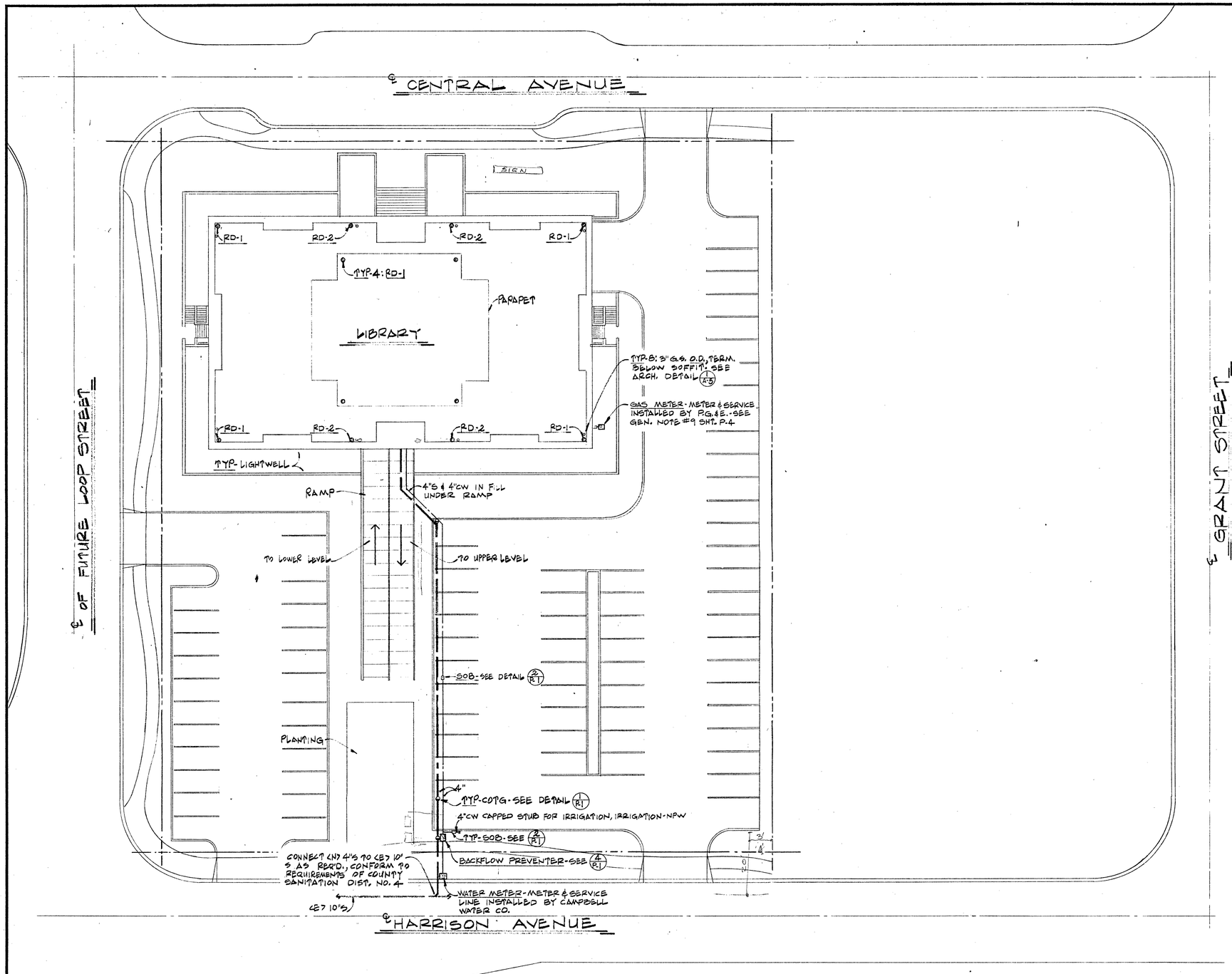
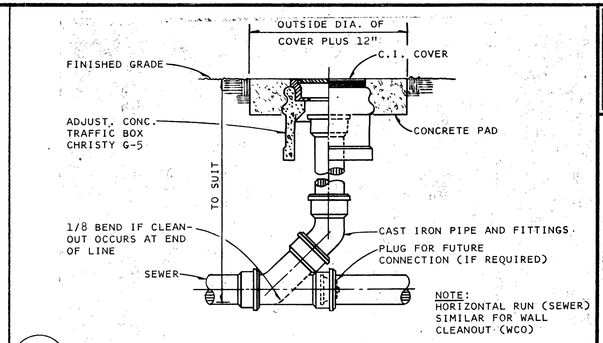
S9
OF 9

D.R.J. 63-18L



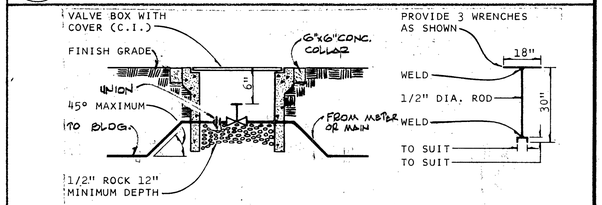
PLUMBING SITE PLAN

SCALE: 1"=20'-0"



1 CLEANOUT TO GRADE DETAIL – COTG

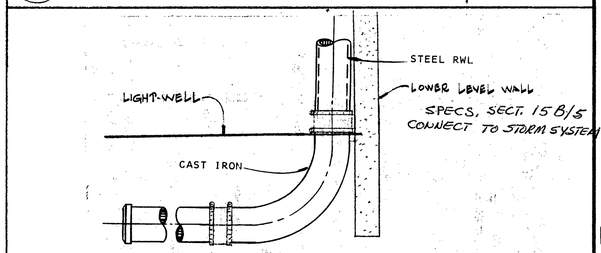
NO SCALE



NOTES:
1. GAS COCK SHALL BE SET ON SIDE WITH HANDLE ATTACHED.
2. C.I. COVER FOR GAS COCK SHALL BE PERFORATED WITH 3/8" DIAMETER HOLES, AND CONSPICUOUSLY MARKED "GAS".
3. ALL VALVES SHALL BE IDENTIFIED WITH 3" X 2" ENGRAVED BRASS TAG.
4. SEE SPECIFICATIONS FOR BOX SIZE AND CATALOG NUMBER.

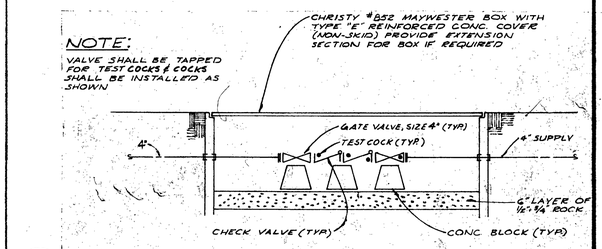
2 DETAIL OF SHUT OFF IN BOX (S.O.B.)

NO SCALE



3 RAIN WATER LEADER BOOT DETAIL

NO SCALE



4 BACKFLOW PREVENTER DETAIL

NO SCALE

UTILITY DEMAND		
TIME	CW (G.P.M.)	GAS (C.F.H.)
EXISTING	—	—
PRESENT	75	960
FUTURE	40	—
ULTIMATE	115	960

NOTE: THE ULTIMATE CW DEMAND IS FOR DOMESTIC USE ONLY

JOB: 67-1882
DATE: 5-22-73
DRAWN: RLL
CHECKED: CAF
APPROVED: GAG

REVISIONS
9-15-73

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PLUMBING SITE PLAN

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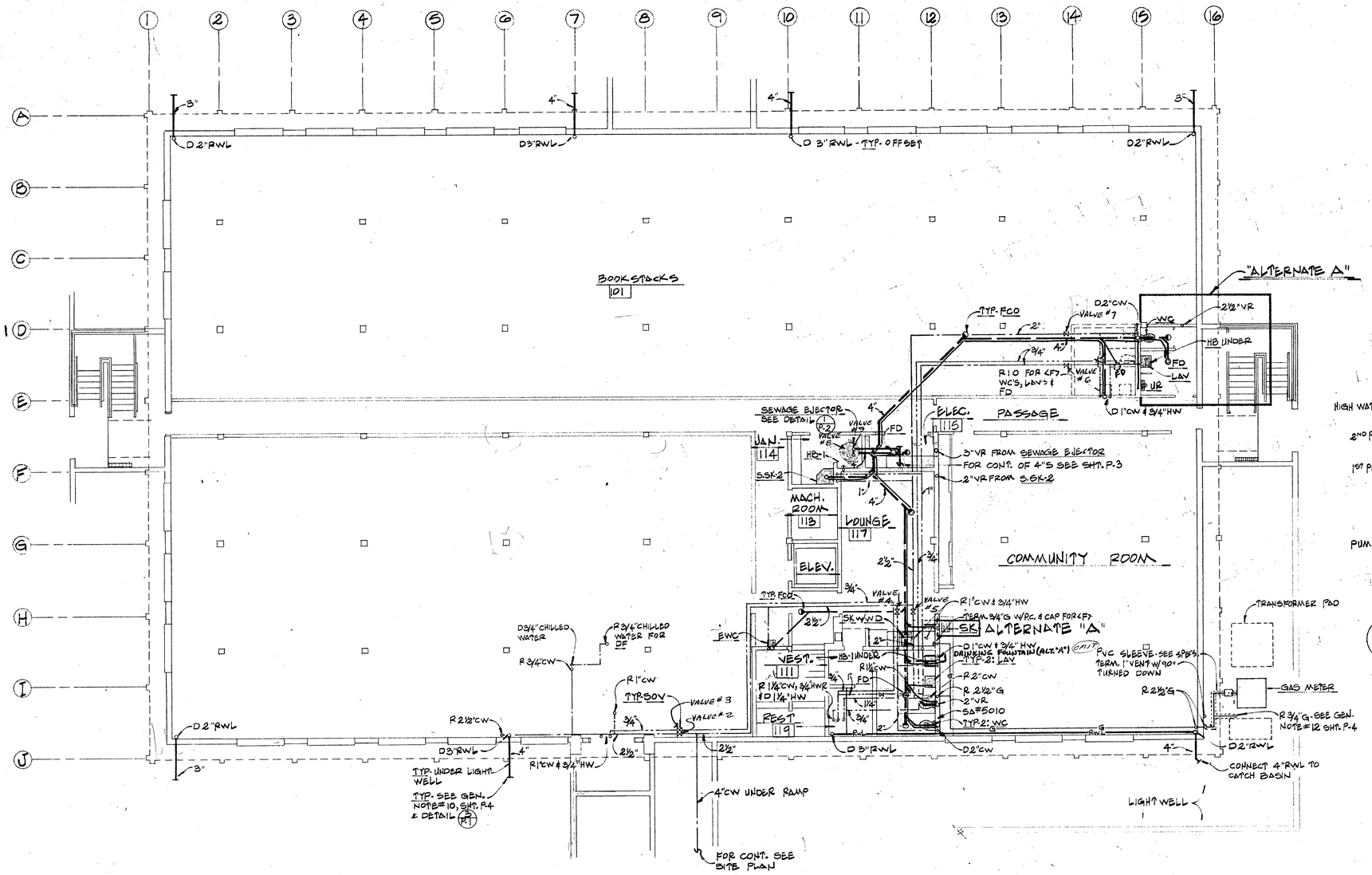
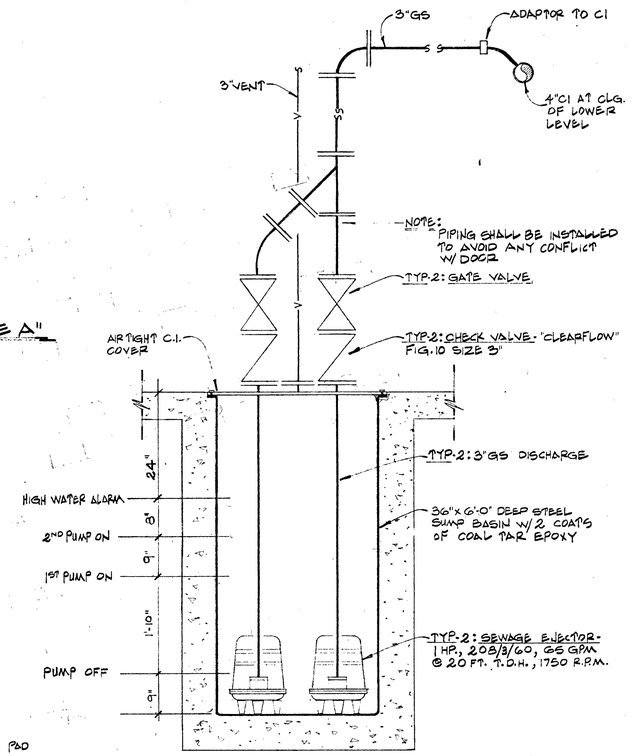
P-1
OF 4



PLUMBING LOWER LEVEL FLOOR PLAN

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



1 SEWAGE EJECTOR PIPING DIAGRAM

NO SCALE

"ALTERNATE A"

INCLUDE ROUGH IN FOR THESE FIXTURES (INCLUDING CARRIERS & MOUNTING PLATES) UNDER BASE BID.

PROVIDE FIXTURES AND CONNECTION TO SYSTEMS UNDER "ALTERNATE A"

RECORD OF INSPECTIONS

UNDERGROUND ROUGH-WATER TESTED - 2-21-74 JO
BACKFILL & COMPACTION 2-22-74 & 2-25-74 JO
SEWER EJECTOR TANK SET & INSPECTED BY MECH. ENG. 4-9-74 JO
U.C. PLUMBING RETESTED & CONNECTED TO SEWER EJECTOR TANK 4-17-74 JO
WASTE & VENTS COMPLETE & TESTED 1ST FLOOR 5-16-74 JO

JOB: 67-188L
DATE: 5-22-73
DRAWN: RLL
CHECKED: CAF
APPROVED: GAG

REVISIONS
9-15-73

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PLUMBING LOWER LEVEL FLOOR PLAN

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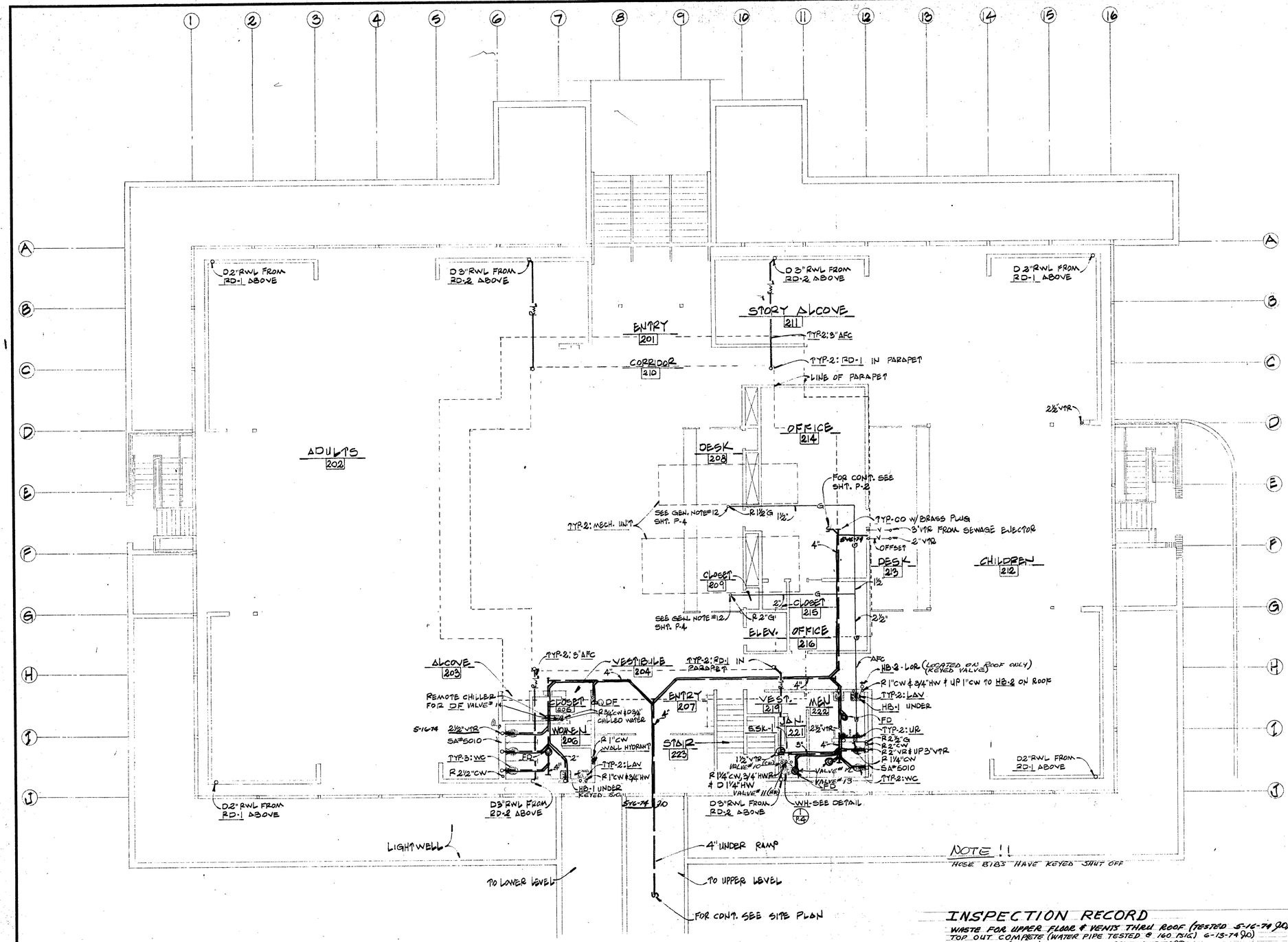
SHEET NO.
P-2
OF 4



INSPECTION RECORD

WASTE FOR UPPER FLOOR & VENTS THRU ROOF (TESTED 5-16-74 JO)
TOP OUT COMPLETE (WATER PIPE TESTED @ 160 PSIG) 6-13-74 JO
GAS PIPING (INDOOR) TESTED @ 60 PSIG 6-13-74 JO

PLUMBING UPPER LEVEL FLOOR PLAN

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

JOB: 67-1887
DATE: 5-22-73
DRAWN: RW
CHECKED: CAF
APPROVED: GAG

REVISIONS
9-15-73

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PLUMBING UPPER LEVEL FLOOR PLAN
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SHEET NO. P-3 OF 4

FIXTURE AND EQUIPMENT SCHEDULE

NO.	FIXTURE/EQUIPMENT	MODEL NO.	SIZE/CAPACITY	TRIM/ACCESSORIES	REMARKS
WC	WATER CLOSET (FV)	2502.011	1½" TOP SPUD	110 FLUSH VALVE, 5320.114 SEAT, 550 SERIES FIXTURE SUPPORT	"GLENCO"
UR	URINAL (FV)	6560.015	3/4" TOP SPUD	186-11 FLUSH VALVE, 637 FIXTURE SUPPORT	"TRIMBROOK", SEE GEN. NOTE #16
LAV	LAVATORY	0350.132	20" x 18"	2248.219 FITTINGS, 723 FIXTURE SUPPORT	"LUCERNE", SEE GEN. NOTE 15
S.SK-1	SERVICE SINK	7692.049	22" x 18"	8341.075 FAUCET, 7798.176 STRAINER & TRAP STANDARD	"LAKEWELL"
S.SK-2	SERVICE SINK	7740.020	28" x 28"	7593.148 FAUCET & WALL HOOK, 7721.020 STRAINER, 7745.011 RIM GUARD, CI P-TRAP	"FLORWELL", FLOOR MOUNTED
SK	SINK	7020.035	20" x 16"	HAWS 5515 GOOSENECK FAUCET LESS LUG & WITH SILICON CARBIDE& CORRUGATED METAL GRIP WASHERS, 4331.013 CUP STRAINER	
WD	WASTE DISPOSAL	WASTE KING SS-8000	1/2 HP, 120/1/60	P-TRAP	U.L. LISTED, MOUNT AS SHOWN ON DRAWINGS
DF	DRINKING FOUNTAIN	1026	1/6 HP, 120/1/60	REMOTE CHILLER HRS-6	SEE UPPER FLOOR PLAN FOR REMOTE CHILLER LOCATION
EWC	ELECTRIC WATER COOLER	HRS-6 Handicap	1/5 HP, 120/1/60 6 GPH	COMPLETE, WITH STCT 34 STRAIGHT STOP, P-TRAP	U.L. LISTED, COLOR & FINISH SELECTION BY ARCHITECT
WH	WATER HEATER (ELEC)	NATIONAL NRG-40-10	40 GAL., 208/1/60, 4.5/4.5 KW	HEATING ELEMENT ALTERNATING SWITCH	U.L. LISTED, FULL 10 YEAR WARRANTY
CIRC. PUMP	HW CIRCULATING PUMP	BELL & GOSSETT #75	1/12 HP, 120/1/60, 10 GPM @ 7 FT. TDH	ALL BRONZE, IN-LINE DIRECT CONNECTED WITH MECHANICAL SEALS	ON-OFF SWITCH (NPW) CONTROLLED
RD-1	ROOF DRAIN	1010-R-C	2"	UNDERDECK CLAMP, SUMP RECEIVER	VANDALPROOF
RD-2	ROOF DRAIN	1010-R-C	3"	UNDERDECK CLAMP, SUMP RECEIVER	VANDALPROOF
FD	FLOOR DRAIN	2010-HP	3"	6" POLISHED NICKEL BRONZE STRAINER (BRASS STRAINER IN JAN. ROOM), 2699 TRAP PRIMER	TYPE A OR B TO SUIT FLOOR & WITH PRIMER CONNECTION
HB-1	HOSE BIBB (WALL)	ACORN 8120	3/4"	CHICAGO FAUCET 1771 3/4" LOOSE KEY STOP, LOOSE KEY	CHROME PLATED INDOORS
WALL HYDR.	WALL HYDRANT	ACORN 8105-2-V	3/4"	LOOSE KEY	PRIME COAT FINISH
	DUPLEX SEWAGE EJECTOR	HYDR-O-MATIC S-100AD-3	1 HP, 208/3/60, 1750 RPM, 65 GPM @ 20 FT. TDH	COMPLETE WITH ALTERNATOR, HIGH WATER ALARM, MAGNETIC STARTERS, H-O-A SWITCH & RUNNING LIGHTS, 36" DIA. x 6'-0" DEEP 1/4" THICK STEEL SUMP BASIN	COMPLETELY AUTOMATIC, SEE DETAIL 1/P-2
FCO	FLOOR CLEANOUT	4046	SAME SIZE AS PIPE	NICKEL BRONZE TOP	FLUSH W/ FINISH FLOOR
COTG	CLEANOUT TO GRADE	4286	SAME SIZE AS PIPE	IN CHRISTY G-5 CONC. BOX WITH CI LID MARKED "SEWER"	SEE DETAIL 1/P-1
HB-2	HOSE BIBB	ACORN 8125	3/4"	CHICAGO FAUCET 375-LK 3/4" LOOSE KEY STOP, LOOSE KEY	ROUGH BRONZE

NOTES

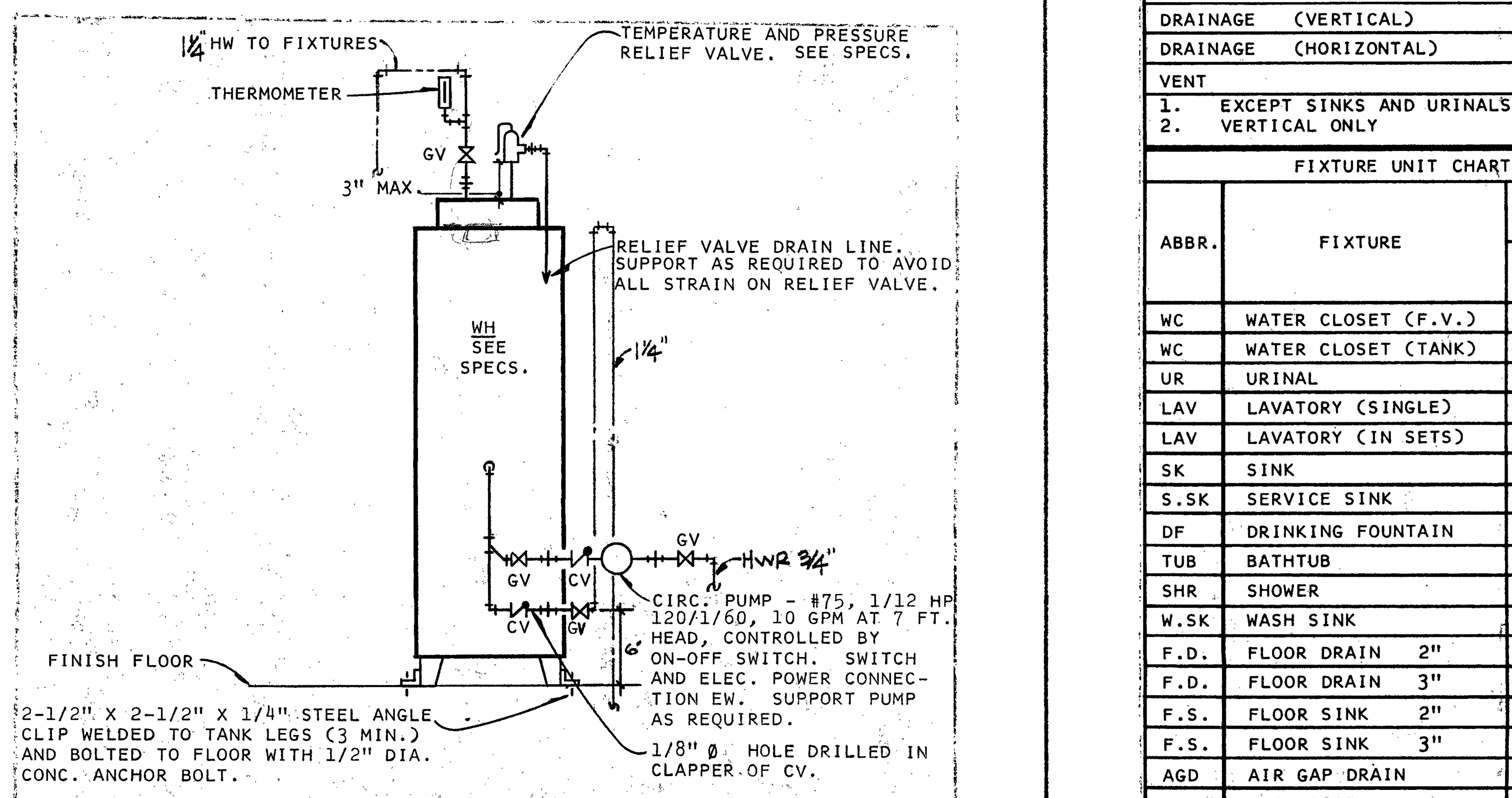
1. SCHEDULE LISTS MODEL NUMBERS OF THE FOLLOWING MANUFACTURERS UNLESS NOTED OTHERWISE:

   FIXTURES & FIXTURE BRASS - AMERICAN STANDARD
   FIXTURE STOPS - SPEEDWAY
   FIXTURE SUPPORTS, DRAINS, & CLEANOUTS - J.R. SMITH
   WATER CLOSET SEATS - CHURCH
   DRINKING FOUNTAIN & ELECTRIC WATER COOLER — HAWS
   TRAP PRIMERS - J.R. SMITH

2. ALL FIXTURES AND WATER CLOSETS SEATS SHALL BE WHITE UNLESS NOTED OTHERWISE.
3. PROVIDE SPEEDWAY STR-1715A STOPS AND 17 GAUGE CHROME PLATED BRASS TUBE P-TRAPS FOR ALL LAVATORIES & SINKS UNLESS NOTED OTHERWISE.
4. PROVIDE EACH WATER HEATER WITH CASH-ACME, OAA, AGA RATED TEMPERATURE AND PRESSURE RELIEF VALVE MOUNTED ON TOP OF TANK. USE TYPE FVX-5 FOR UNITS UP TO 135,000 BTU/HR AND TYPE FVM WITH 5" STEM FOR UNITS OVER 135,000 BTU/HR. RELIEF VALVE RATING SHALL SUIT TEMPERATURE AND PRESSURE RATING OF TANK. INSTALL SHUT-OFF VALVES ON INLET AND OUTLET OF EACH WATER HEATER WITH UNION BETWEEN EACH VALVE AND TANK. TEST INSTALLED RELIEF VALVE BY CLOSING SHUT-OFF VALVES AT WATER HEATER CONNECTIONS AND BUILDING UP PRESSURE WITHIN TANK UNTIL RELIEF VALVE DISCHARGE OPENS. RELIEF VALVE WILL NOT BE ACCEPTABLE UNLESS TEST OPENING PRESSURE IS WITHIN PLUS OR MINUS 3% OF RATED RELIEF VALVE PRESSURE. USE PRESSURE GAUGE ON WATER HEATER DURING TEST.
5. FOR BATTERY OF WALL MOUNTED URINALS, A DOUBLE SET OF CONTINUOUS STEEL HANGER PLATES, SIMILAR TO LAVATORY MOUNTING, MAY BE USED IN LIEU OF INDIVIDUAL FIXTURE SUPPORTS SPECIFIED.
6. PROVIDE STAINLESS STEEL HUDEE RIMS FOR SINKS UNLESS NOTED OTHERWISE.

GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT AND QUANTITY OF ALL FIXTURES.
2. BEFORE STARTING WORK, VERIFY LOCATIONS, ELEVATIONS AND SIZES OF ALL PIPING AND EQUIPMENT REQUIRING PLUMBING CONNECTIONS.
3. VISUALLY VERIFY EXACT LOCATION, INVERT ELEVATION AND SIZE OF EXISTING LINES BEFORE TRENCHING FOR NEW WORK.
4. VERIFY THE LOCATION OF ALL CAPPED STUBOUTS TO AVOID THEIR BEING COVERED BY WALK OR PAVING.
5. COORDINATE ALL PLUMBING WORK WITH ALL OTHER WORK TO AVOID CONFLICTS. RUN ALL PIPING TO AVOID ARCHITECTURAL OPENINGS, STRUCTURAL MEMBERS, DUCTS OR OTHER OBSTRUCTIONS. OFFSET PLUMBING PIPING WHERE REQUIRED.
6. COMBINE ALL VERTICAL VENTS WHERE POSSIBLE.
7. FURNISH AND INSTALL STRAP AT TOP PLATE FOR VENT PIPE WHERE REQUIRED. SEE STRUCTURAL DRAWINGS FOR TYPICAL DETAIL.
8. INSTALL CLEANOUTS IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE AND LOCAL CODE REQUIREMENTS.
9. INSTALL GAS PLUG COCK WITH HANDLE ON DOWNSTREAM SIDE OF GAS METER.
10. EXTEND CI RWL BOOTS 5'-0" FROM BUILDINGS AND WALKS AND CONNECT TO STORM SYSTEM. STORM SYSTEM - NPW. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF RWL. SEE BOOT DETAIL 3/P-1
11. LOCATE WATER HEATER SO THAT ALL FACE PIPING, CONTROLS AND ACCESS PANELS ARE READILY ACCESSIBLE FOR PROPER OPERATION AND MAINTENANCE.
12. TERMINATE GAS WITH PLUG COCK AND/OR WATER WITH SHUTOFF VALVE AND CONNECT TO MECHANICAL UNIT AS REQUIRED.
13. RUN ALL CW, HW, HWR, AND HORIZONTAL RWL AT CEILING OF LOWER LEVEL UNLESS NOTED OTHERWISE.
14. PROVIDE HEAVY PLANKS OR OTHER PROTECTION AS REQUIRED TO PROTECT BURIED PIPING FROM DAMAGE BY TRUCKS OR OTHER HEAVY EQUIPMENT UNTIL WORK HAS PROGRESSED BEYOND POTENTIAL DANGER OF DAMAGE. RETEST ALL UNDERGROUND PIPING IN ACCORDANCE WITH THE SPECIFICATIONS FOR TESTS. PROVIDE EXTRA CLEANOUTS IN DRAIN LINES AND EXTRA VALVES IN PRESSURE LINES TO ALLOW MAKING TEST CONNECTIONS TO ACCOMMODATE RETESTING.
15. FURNISH & INSTALL ABS P-TRAP, BAKELITE HANDLE ON HOT WATER STOP AND INSULATE ALL EXPOSED HOT WATER SUPPLY PIPING UNDER HANDICAPPED LAVATORIES.
16. URINALS SHALL BE MOUNTED AT 19" FROM F.F. TO LIP. LAVATORIES SHALL BE MOUNTED AT 33" FROM F.F. TO TOP OF BASIN.



NOTES:
1. LOCATE WH SO THAT ALL CONTROLS, FACE PIPING, ACCESS PANELS, ETC., ARE READILY ACCESSIBLE FROM FRONT.
2. SEE FLOOR PLAN FOR PIPE SIZES.
3. TEMP. & PRESSURE RELIEF VALVE SHALL SUIT TEMP. & PRESSURE RATING OF TANK.

1 WATER HEATER SCHEMATIC PIPING DIAGRAM
NO SCALE

ABBREVIATIONS AND SYMBOLS

A	COMPRESSED AIR	GPM	GALLONS PER MINUTE
ACP	ASBESTOS CEMENT PIPE	GS	GALVANIZED STEEL
AAD	ARCHITECTURAL ACCESS DOOR AT FINISHED SURFACE	GSM	GALVANIZED SHEET METAL
		GV	GATE VALVE
AC	AIR CONDITIONING	H & V	HEATING AND VENTILATING
AFC	ABOVE FURRED CEILING	HP	HORSEPOWER
AS	AUTOMATIC SPRINKLER	HPG	HIGH PRESSURE GAS (OVER 1/2 PSI)
AV	ACID VENT	HW	DOMESTIC HOT WATER
AW	ACID WASTE	HWR	DOMESTIC HOT WATER RETURN
BG	BELOW GRADE	IE	INVERT ELEVATION
BV	BALANCE VALVE	LOR	LOCATED ON ROOF
CA	COMBUSTION AIR	MH	MANHOLE
CB	CATCH BASIN	MW	WORK UNDER MECHANICAL SECTION OF SPECIFICATIONS
CD	CONDENSATE DRAIN		
CFH	CUBIC FEET PER HOUR	(N)	NEW
CFM	CUBIC FEET PER MINUTE	NPW	NOT PLUMBING WORK
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CLG	CEILING	PW	WORK UNDER PLUMBING SECTION OF SPECIFICATIONS
CO	CLEAN OUT		
COTG	CLEAN OUT TO GRADE	R	RISE WITHIN SAME STORY
CP	CONCRETE PIPE	RCP	REINFORCED CONCRETE PIPE
CTS	CABINET TOE SPACE	RIC	ROUGH IN AND CONNECT
CV	CHECK VALVE	RIO	ROUGH IN ONLY
CW	DOMESTIC COLD WATER	RWL	RAIN WATER LEADER
D	DROP WITHIN SAME STORY	SA	SHOCK ABSORBER
DN	DOWN THRU FLOOR	S	SANITARY SEWER
(E)	EXISTING	SD	STORM DRAIN
EW	WORK UNDER ELECTRICAL DIVISION OF SPECIFICATIONS	SOB	SHUT OFF IN BOX
		SOV	SHUT OFF VALVE
F	DEGREES FAHRENHEIT	TW	TEMPERED WATER
(F)	FUTURE	TYP	TYPICAL
FC	FLEXIBLE CONNECTION OR FURRED CEILING	UP	UP THRU FLOOR ABOVE
		US	UNDER SLAB
FCO	FLOOR CLEANOUT	V	VENT
FF	FINISH FLOOR ELEVATION	VCP	VITRIFIED CLAY PIPE
FL	FIRE LINE	VR	VENT RISER
FPS	FURRED PIPE SPACE	VTR	VENT THROUGH ROOF
G	GAS	WCO	WALL CLEAN OUT
GA	U.S. GAGE	XHCI	EXTRA HEAVY CAST IRON

NOTE: D, DN, R AND UP RELATE TO DIRECTION OF FLOW IN PIPE.

- SEWER SUSPENDED
- ANCHOR
- BALANCE VALVE OR GAS COCK
- CHECK VALVE
- GATE VALVE
- SHUT OFF IN BOX
- SEWER BELOW GRADE OR SLAB
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RETURN
- SUPPLY PIPE (EG.—G—)
- CLEANOUT TO SUIT SURFACE

WATER, DRAINAGE AND VENT PIPE SIZING

MAXIMUM FIXTURE UNIT LOADING OF WATER, DRAIN AND VENT PIPING

SERVICE	NOMINAL PIPE SIZE - INCHES							
	3/4	1	1¼	1½	2	2½	3	4
WATER (SERVING FLUSH VALVES)	-	-	10	16	25	75	200	-
WATER (NO FLUSH VALVES)	8	15	25	35	80	170	-	-
DRAINAGE (VERTICAL)	-	-	-	2 (1)	16	32	48	256
DRAINAGE (HORIZONTAL)	-	-	-	1	8	14	35	180
VENT	-	-	1 (2)	8	24	48	84	256

1. EXCEPT SINKS AND URINALS
2. VERTICAL ONLY

FIXTURE UNIT CHART AND SCHEDULE OF LOCAL FIXTURE CONNECTIONS

ABBR.	FIXTURE	FIXTURE UNITS			LOCAL FIXTURE CONNECTIONS				
		COLD WATER	HOT WATER	DRAIN & VENT	WATER (5) BRANCH	WATER (5) OUTLET	DRAINAGE BRANCH	DRAINAGE OUTLET	VENT (3)
WC	WATER CLOSET (F.V.)	10	-	6	1¼	1	4	4	2
WC	WATER CLOSET (TANK)	5	-	6	1	3/4	4	4	2
UR	URINAL	5	-	4	1	3/4	3	2	2
LAV	LAVATORY (SINGLE)	2	2	1	3/4	1/2	2	1½	1½
LAV	LAVATORY (IN SETS)	2	2	2	3/4	1/2	2	1½	1½
SK	SINK	2	2	2	3/4	1/2	2	1½	1½
S.SK	SERVICE SINK	4	4	3	3/4	1/2	3	3	2
DF	DRINKING FOUNTAIN	2	-	1	3/4	1/2	2	1½	1¼
TUB	BATHTUB	4	4	2	3/4	1/2	2	1½	1½
SHR	SHOWER	4	4	2	3/4	1/2	2	2	1½
W.SK	WASH SINK	4	4	3	3/4	1/2	2	1½	1½
F.D.	FLOOR DRAIN 2"	-	-	2	-	-	2	2	1½
F.D.	FLOOR DRAIN 3"	-	-	4	-	-	3	3	2
F.S.	FLOOR SINK 2"	-	-	3	-	-	2	2	1½
F.S.	FLOOR SINK 3"	-	-	6	-	-	3	3	2
AGD	AIR GAP DRAIN	-	-	2	-	-	2	1½	1½
HB	HOSE BIBB	6	-	-	1	3/4	-	-	-
DW	DISHWASHER	(4)	(4)	3	3/4	3/4	2	2	1½
--	COMMERCIAL SINK	4	4	3	3/4	1/2	2	2	1½
WD	COMM'L WASTE DISPOSAL	1	-	1	3/4	1/2	2	2	1½

3. BURIED VENTS SHALL BE 2" MINIMUM SIZE.
4. SEE PLANS FOR SIZE.
5. WATER SHALL BE BRANCH SIZE TO "DROP EAR" ELBOW OR SIMILAR FITTING. BRASS NIPPLE TO FIXTURE STOP OR SHUT OFF SHALL BE OUTLET SIZE.
6. LOCAL FIXTURE CONNECTIONS ARE LISTED AS NOMINAL PIPE SIZE - INCHES.
7. THESE SCHEDULES SHALL BE USED TO SIZE BRANCH PIPING NOT SHOWN ON DRAWINGS. REFER ALSO TO LATEST EDITION OF UNIFORM PLUMBING CODE FOR REQUIREMENTS NOT COVERED IN THESE SCHEDULES, ON PLANS OR IN SPECIFICATIONS. WHERE UNIFORM PLUMBING CODE DIFFERS FROM THE CONTRACT DOCUMENTS, THE MOST STRINGENT REQUIREMENT WILL GOVERN.

JOB: 67-188L
DATE: 5-22-73
DRAWN: RLL
CHECKED: JAE
APPROVED: GAG

REVISIONS
9.15.73

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PLUMBING GENERAL NOTES & SCHEDULES

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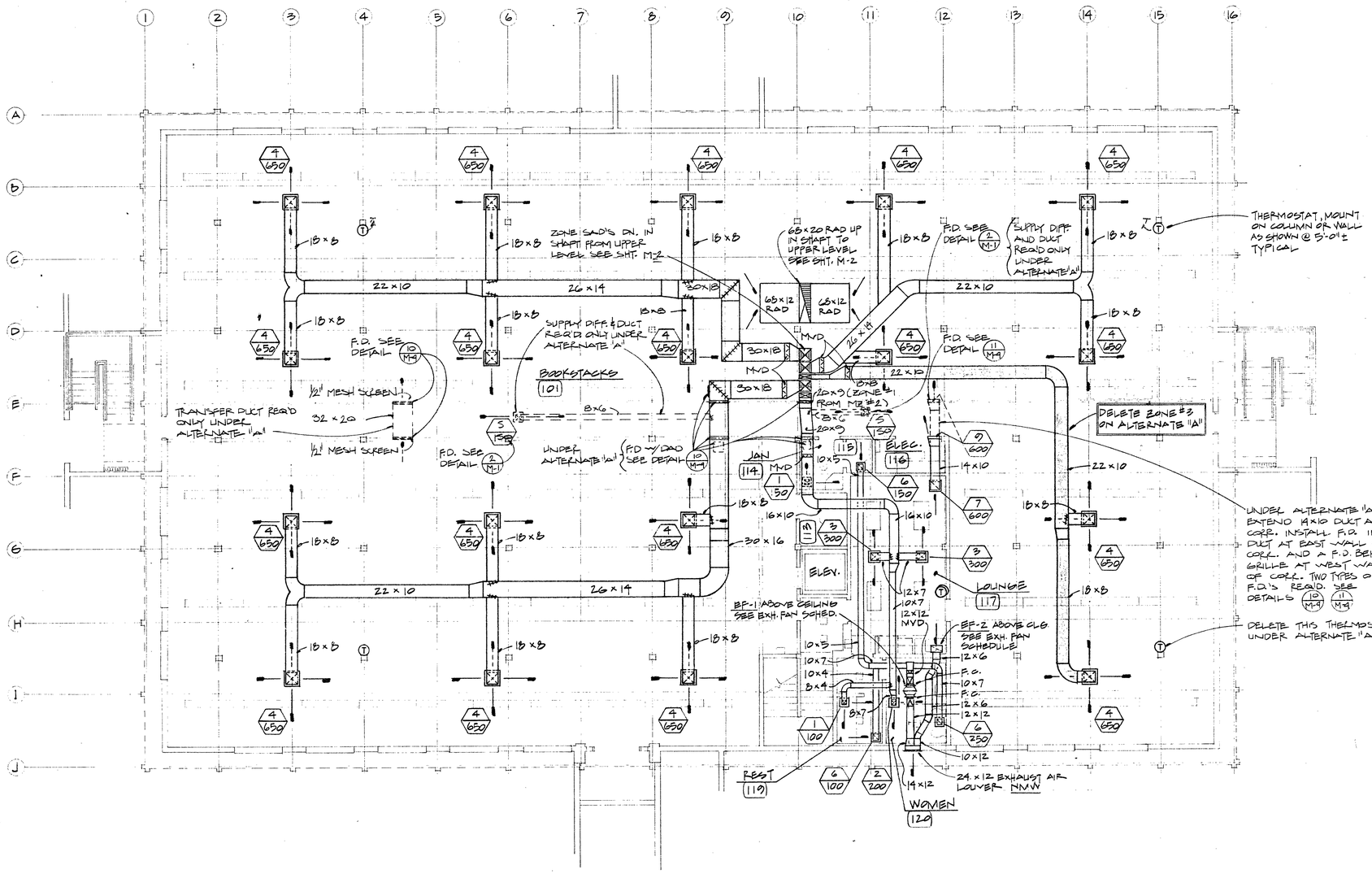


1 MECHANICAL FLOOR PLAN - LOWER LEVEL

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

REGISTER SCHEDULE

MARK	NECK SIZE	SERVICE	TYPE	MODEL NO. "KRUEGER"
1	8x8	CEILING SUPPLY	PERFORATED FACE PLATE	8x8 C1102D W/OBD FRAME 22
2	8x8	"	"	8x8 C1103 W/OBD FRAME 22
3	12x12	"	"	12x12 1102 W/OBD FRAME 23
4	18x18	"	LOUVER FACE	18x18 SERIES S-4 W/OBD NO FRAME REQ'D.
5	8x8	"	PERFORATED FACE PLATE	8x8 C1102 W/OBD FRAME 22
6	10x10	CEILING EXHAUST/RETURN	PERFORATED FACE PLATE	10x10 C1100 W/OBD FRAME 22
7	14x14	"	"	14x14 1100 W/OBD FRAME 23
8	NOT	USED		
9	18x12	SIDEWALL TRANSFER	BAR GRILLE	18x12 S 80H
10	NOT	USED		

NOTE: THIS SCHEDULE APPLIES TO THIS SHEET ONLY.

ROUGH IN OF DUCTS, ETC. COMPLETE 8-29-74 JD

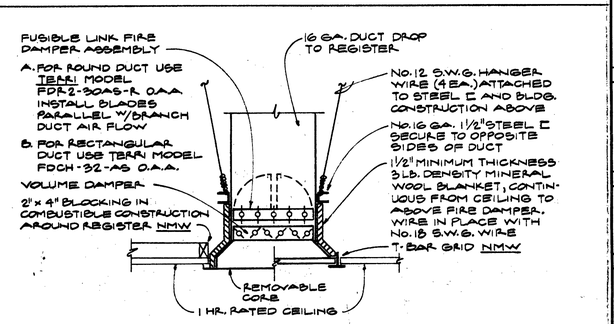
DUCT SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	SECTION AT EXHAUST DUCT RISER	11	SPLITTER DAMPER; TRANSITIONAL RADIUS ELBOW
2	SECTION AT RETURN DUCT RISER	12	SPLITTER DAMPER; SQUARE ELBOW W/ DUCT TURN.
3	DUCT TURN; SECTION AT SUPPLY DUCT RISER; SUPPLY DUCT DROP	13	SPLITTER DAMPER; TRANSITIONAL RADIUS ELBOW; TRANSITION
4	DUCT TURN; VANE ANGLE	14	SPLITTER DAMPER; SQUARE ELBOW W/ DUCT TURN; TRANSITION
5		15	MAXIMUM SLOPE OF HNG (ECCENTRIC OR CONCENTRIC)
6	SPLITTER DAMPER; TRANSITIONAL RADIUS ELBOW	16	MAXIMUM SLOPE OF HNG (ECCENTRIC OR CONCENTRIC)
7	SPLITTER DAMPER; SQUARE ELBOW W/ DUCT TURN; TRANSITION	17	DEFLECTOR & BRANCH DUCT SAME SIZE; CAP AT END OF RUN; 2 WAY OPPOSED THROW CEILING DIFFUSER
8	SPLITTER DAMPER; TRANSITION; TRANSITIONAL RADIUS ELBOW	18	DEFLECTOR AND BRANCH SAME SIZE; CAP AT END OF RUN; SIDEWALL REGISTER
9	TRANSITION; SPLITTER DAMPER; SQUARE ELBOW W/ DUCT TURN	19	CAP AT END OF RUN; DEFLECTOR AND BRANCH SAME SIZE AS NECK SIZE; 2 WAY OPPOSED THROW CEILING DIFFUSER
10		20	BRANCH SEE PLAN FOR SIZE; NECK SIZE DIFFUSER BOX; INSTALL DEFLECTOR OR AIR TURN

VANE ANGLE	DUCT TURN
20° - 29°	12" DEFLECTOR
30° - 39°	30" DEFLECTOR
40° - 50°	AIR TURN

INSPECTION RECORD

UNISTRUT HANGERS & FLAT STRAP HANGERS & DUCT (PARTIAL 5-16-74 JD)
METAL BASES FOR MECHANICAL EQUIPMENT ON ROOF 5-17-74 JD



2 CEILING FIRE DAMPER INSTALLATION

NO SCALE

JOB: CT-188L
DATE: 5-22-73
DRAWN: WJK
CHECKED: GAL
APPROVED: GAG

REVISIONS
9-15-73

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MECH. FLOOR PLAN-LOWER LEVEL, DETAIL, SYMBOLS & SCHEDULE
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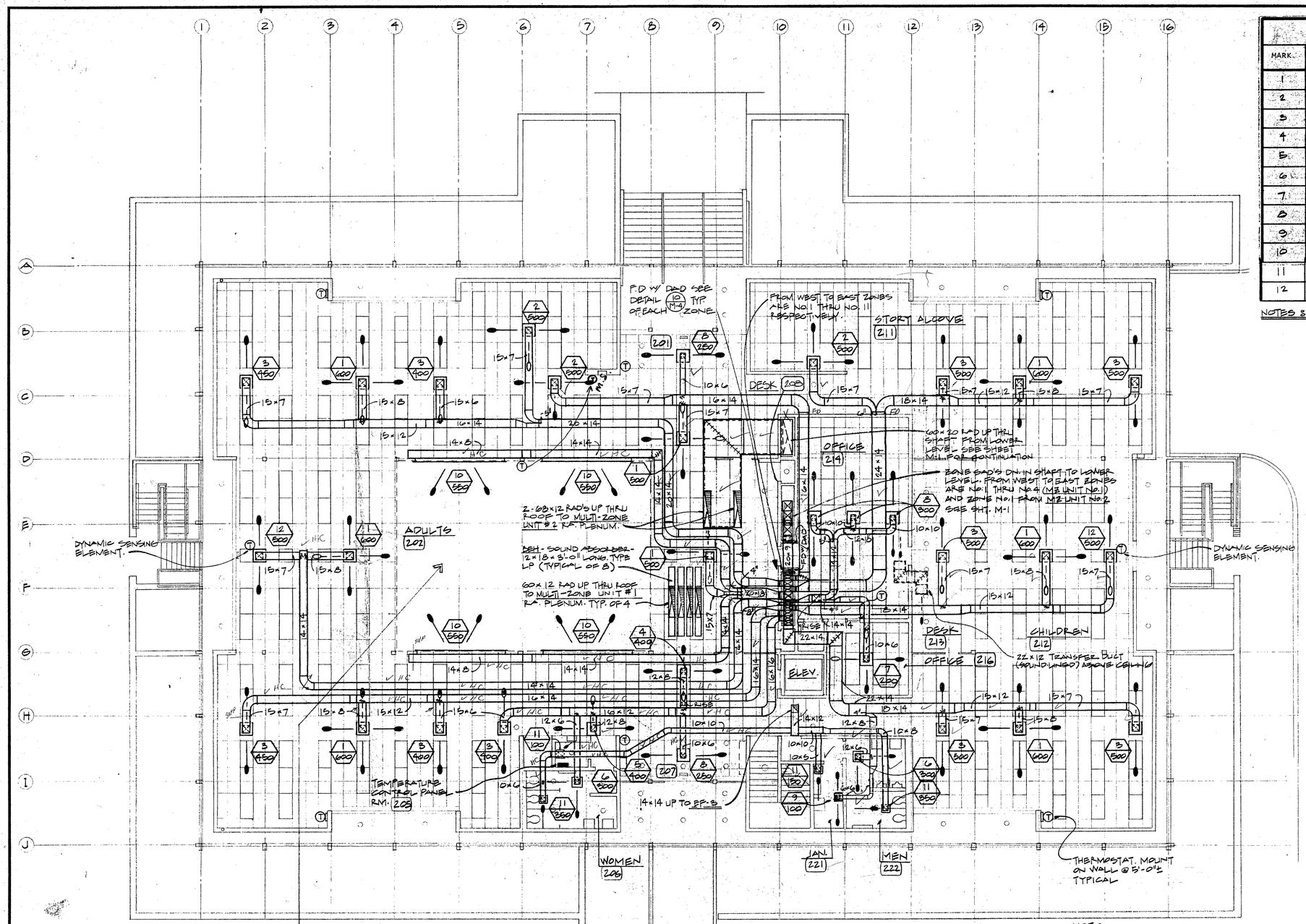

ALTERNATE 'F'

DELETE 4 LINEAR DIFFUSERS (MARK 10 OF THE REG. SCHED.) FOR ZONE 5 & SUBSTITUTE 4 KRUEGER PERF. DIFFUSERS MODEL 1100, STYLE 23, 15"×15", EACH SUPPLYING 550 CFM. LOCATE IN COORD. WITH NEW LIGHTING PLAN & FURNISH LAYOUT & SIZES OF DUCTS & DIFFUSERS FOR APPROVAL. SEE SPEC. SECT. A-3

NOTE:
PROVIDE CORK BACKING PLATE FOR MOUNTING THERMOSTATS ON EXTERIOR WALLS

MECHANICAL FLOOR PLAN - UPPER LEVEL

1

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

REGISTER SCHEDULE

MARK	NECK SIZE	SERVICE	TYPE	MODEL NO. KRUEGER
1	15×15	CEILING SUPPLY	PERFORATED DIFFUSER	15×15 MODEL 1104 W/OBD & FRAME 23
2	15×15	"	"	15×15 MODEL 1103 W/OBD & FRAME 23
3	15×15	"	"	15×15 MODEL 1102 W/OBD & FRAME 23
4	12×12	"	"	12×12 MODEL 1104 W/OBD & FRAME 23
5	12×12	"	"	12×12 MODEL 1103 W/OBD & FRAME 23
6	12×12	"	"	12×12 MODEL C1102D W/OBD & FRAME 22
7	10×10	"	"	10×10 MODEL 1104 W/OBD & FRAME 23
8	10×10	"	"	10×10 MODEL 1102 W/OBD & FRAME 23
9	6×6	"	"	6×6 MODEL C1102 W/OBD & FRAME 22
10	14FT.×3IN.	SIDEWALL SUPPLY	LINEAR DIFFUSER	MODEL 1515 SG W/OBD & FRAME 415
11	10×10	CEILING RETURN	PERFORATED DIFFUSER	10×10 MODEL C1190 W/OBD & FRAME 22
12	15×15	CEILING SUPPLY	PERFORATED DIFFUSER	"BARBER COLMAN" 1524 PSS

NOTES: 1. THIS SCHEDULE APPLIES TO THIS SHEET ONLY.
2. VERIFY ALL PANEL SIZES WITH ARCHITECTURAL REFLECTED CEILING PLAN.

ROUGH IN OF DUCTS COMPLETE 8-29-74 JD
SET REGISTERS & DIFUSSERS 10-18-74 JD
(UPPER LEVEL ONLY)

JOB: 67-188L
DATE: 5-22-73
DRAWN: SAM
CHECKED: GAL
APPROVED: GAG

REVISIONS
9.15.73

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MECH. FLOOR PLAN - UPPER LEVEL & SCHEDULE
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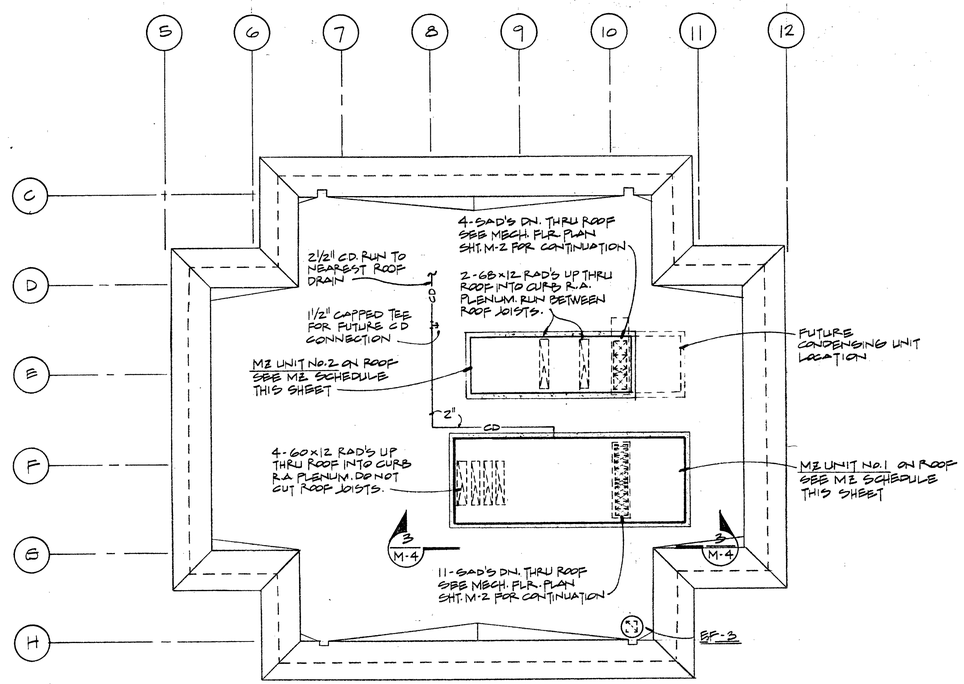
CAMPBELL, CALIFORNIA

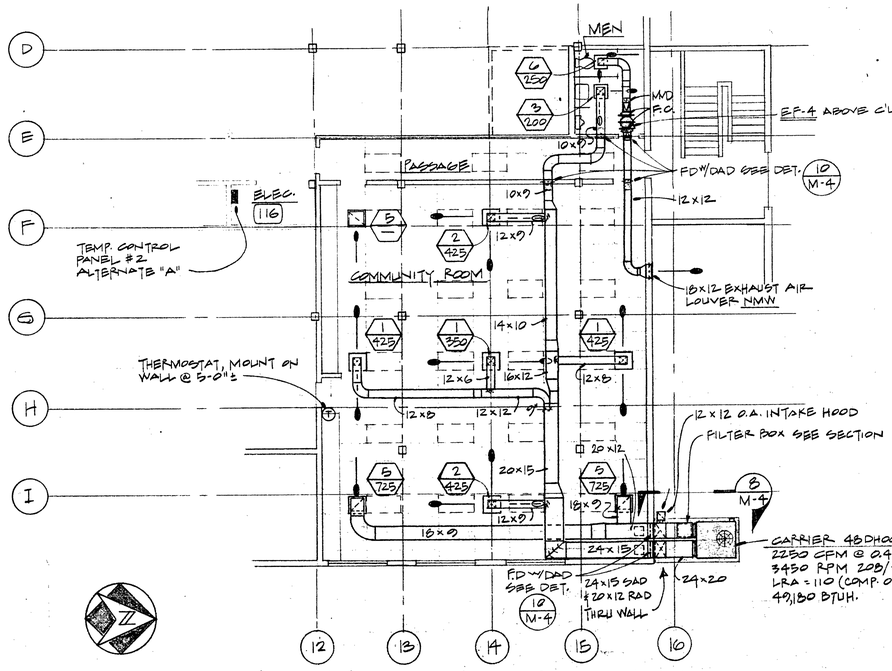
SHEET NO.
M-2
OF 4



ROUGH IN COMPLETE 8-29-74 JD

1 PARTIAL MECHANICAL ROOF PLAN

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



DUCTS & HANGERS 5-16-74 JD

2 PARTIAL MECHANICAL FLR PLAN-LOWER LEVEL-ALTERNATE "A"

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

ABBREVIATIONS AND SYMBOLS

AAD	ARCHITECTURAL ACCESS DOOR AT FINISHED SURFACE	H	HUMIDISTAT
AC	AIR CONDITIONING	HI	HUMIDITY INDICATOR
ADT	ACOUSTICAL DUCT TURN	HP	HORSEPOWER
AFC	ABOVE FURRED CEILING	HPCR	HIGH PRESSURE CONDENSATE RETURN
AV	AIR VALVE	HPS	HIGH PRESSURE STEAM
AVD	AUTOMATIC VOLUME DAMPER	HW	DOMESTIC HOT WATER
BV	BALANCE VALVE	HWR	HEATING WATER RETURN
CA	COMBUSTION AIR	HWS	HEATING WATER SUPPLY
CAD	COMBUSTION AIR DUCT	LAT	LEAVING AIR TEMPERATURE
CD	CONDENSATE DRAIN	LOR	LOCATED ON ROOF
CFH	CUBIC FEET PER HOUR	LPCR	LOW PRESSURE CONDENSATE RETURN
CFM	CUBIC FEET PER MINUTE	LPS	LOW PRESSURE STEAM
CHWR	CHILLED WATER RETURN	LWT	LEAVING WATER TEMPERATURE
CHWS	CHILLED WATER SUPPLY	MAV	MANUAL AIR VENT
CLG	CEILING	MFR	MANUFACTURER
CMR	CONTROL MANUFACTURERS REPRESENTATIVE	MVD	MANUAL VOLUME DAMPER WITH LOCKING DEVICE
CWR	CONDENSER WATER RETURN	MW	WORK UNDER MECHANICAL SECTION OF SPECIFICATIONS
CWS	CONDENSER WATER SUPPLY	(N)	NEW
CV	CHECK VALVE	NMW	NOT MECHANICAL WORK
CW	DOMESTIC COLD WATER	NTS	NOT TO SCALE
DAD	DUCT ACCESS DOOR	OA	OUTSIDE AIR
DB	DRY BULB	OAD	OUTSIDE AIR DUCT
DL	DOOR LOUVER	PAD	PLENUM ACCESS DOOR
DT	DUCT TURN	PRV	PRESSURE REDUCING VALVE
(E)	EXISTING	PW	WORK UNDER PLUMBING SECTION OF SPECIFICATIONS
EA	EHAUST AIR	RA	RETURN AIR
EAD	EXHAUST AIR DUCT	RAD	RETURN AIR DUCT
EAT	ENTERING AIR TEMPERATURE	RD	REFRIGERANT DISCHARGE
EWT	ENTERING WATER TEMPERATURE	RL	REFRIGERANT LIQUID
EF	EXHAUST FAN	RS	REFRIGERANT SUCTION
EW	WORK UNDER ELECTRICAL DIVISION OF SPECIFICATIONS	RV	ROOF VENT OR RELIEF VENT
F	DEGREES FAHRENHEIT	SA	SUPPLY AIR
(F)	FUTURE	SAD	SUPPLY AIR DUCT
FC	FLEXIBLE CONNECTION	SD	SPLITTER DAMPER WITH LOCKING DEVICE
FD	FIRE DAMPER OR FLOOR DRAIN	SP	STATIC PRESSURE - INCHES H_2O
FOR	FUEL OIL RETURN	(T)T	THERMOSTAT
FOS	FUEL OIL SUCTION	TCC	TEMPERATURE CONTROL CENTER
FPM	FEET PER MINUTE	TCP	TEMPERATURE CONTROL PANEL
G	GAS	TCV	TEMPERATURE CONTROL VALVE
GA	U. S. GAGE	TYP	TYPICAL
GND	ELECTRICAL GROUND	VA	VENTILATION AIR
GPM	GALLONS PER MINUTE	VR	VENT RISER
GSM	GALVANIZED SHEET METAL	VTR	VENT THROUGH ROOF
GV	GATE VALVE	WB	WET BULB
H & V	HEATING AND VENTILATING		

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER & MODEL NO. "COOK"	FAN CFM	FAN SP	FAN TIP SPEED	FAN RPM	MOTOR HP	MOTOR VOLTS/Φ	CONTROL SWITCH BY	CONTROL CONTROL WIRING	OPER WT LBS
EF-1	12 CVIID IN-LINE	500	3/8	—	1140	1/8	115/1/60	CMR	CMR	
EF-2 *	GEMINI-12-15	282	1/4	—	1550	2.1A	115/1/60	EW	EW	25
EF-3	14 CIID TYPE UCD	950	3/8	—	1140	1/6	115/1/60	CMR	CMR	75
EF-4 **	12CVIID IN-LINE	500	3/8	—	1140	1/8	115/1/60	CMR	CMR	
NOT	USED									

*- FURNISH COMPLETE W/ANODIZED ALUMINUM GRILLE
**- FOR MEN'S TOILET ROOM IN BASEMENT (ALTERNATE "A")

REGISTER SCHEDULE

MARK	NECK SIZE	SERVICE	TYPE	MODEL NO. "KRUEGER"
1	12 x 12	CEILING SUPPLY	PERFORATED DIFFUSER	12x12 MODEL 1102 W/OBD & FRAME 23
2	12 x 12	"	"	12x12 MODEL 1103 W/OBD & FRAME 23
3	12 x 12	"	"	12x12 MODEL 61103 W/OBD & FRAME 22
4	NOT	USED		
5	18 x 18	CEILING RETURN	PERFORATED DIFFUSER	18x18 MODEL 1190 W/OBD & FRAME 23
6	10 x 10	"	"	10x10 MODEL 61190 W/OBD & FRAME 22

NOTES: 1. THIS SCHEDULE APPLIES TO THIS SHEET ONLY.
2. VERIFY ALL PANEL SIZES WITH ARCHITECTURAL REFLECTED CEILING PLAN.

MZ UNIT SCHEDULE

MARK	MODEL: MZ UNIT	MODEL: COND UNIT	SUPPLY AIR: SUPPLY CFM	SUPPLY AIR: TOTAL S.P. IN.W.C.	SUPPLY AIR: SUPPLY FAN HP	SUPPLY AIR: RET. FAN HP	COOLING COIL: EAT DB	COOLING COIL: EAT WB	COOLING COIL: LAT DB	COOLING COIL: LAT WB	COOLING COIL: CAP. TOTAL SENS.	HEATING SECTION INPUT MBH	CONDENSING UNIT: EVAP TEMP	CONDENSING UNIT: OA TEMP	CONDENSING UNIT: CAP. MBH	CONDENSING UNIT: FAN HP	ELECTRICAL: SERVICE	ELECTRICAL: UNIT FLA	ELECTRICAL: UNIT LRA	OPER WT LBS.
MZ #1	RMA	600	18000	2.5	25	7 1/2	78	62.8	51.3	50.3	577430 524030	520	-	105°	613	-	208-3	402	832.4	11,000
MZ #2	RMF	350	11700	2.0	15	5	-	-	-	-	-	290	-	-	-	-	208-3	*247.3	*606.3	8500

NOTE: AT CONDENSATE DRAIN CONNECTION PROVIDE P-TRAP WITH TOP OF TRAP OUTLET 2" MIN. BELOW BOTTOM OF UNIT DRAIN PAN AND WITH 6" TRAP SEAL WITHIN 1'-0" OF COOLING COIL.

* MAX. FUTURE AMPS

JOB: G7-1886
DATE: 5-22-73
DRAWN: GAM
CHECKED: GAL
APPROVED: GAG

REVISIONS
9-15-73

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MECH. ROOF & FLOOR PLANS, SCHEDULES & LEGEND
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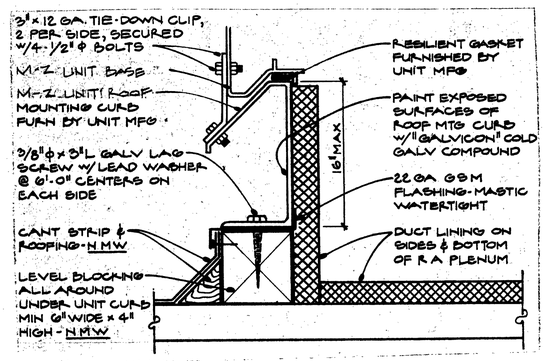
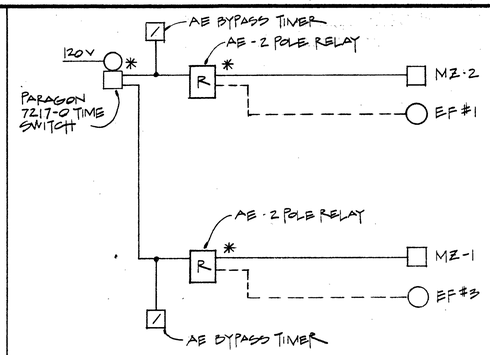
CAMPBELL, CALIFORNIA

SHEET NO.
M-3
OF 4

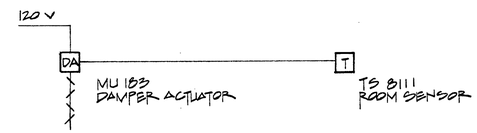


1 MULTI-ZONE UNIT MOUNTING DETAIL
NO SCALE



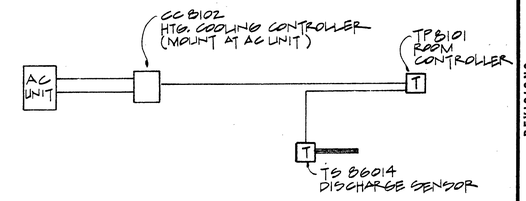
* LOCATE IN TEMP. CONTROL PANEL IN ROOM #205

4 FAN START CONTROL
BASE BID AND ALTER. "A"
NO SCALE



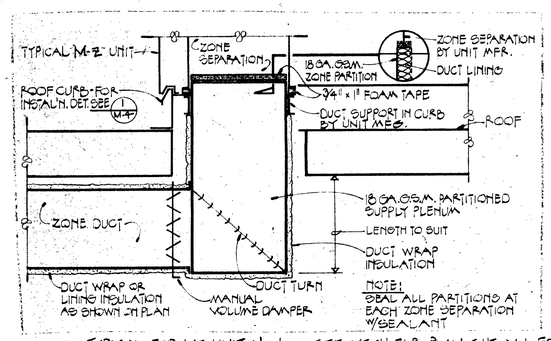
TYPICAL OF FOUR ZONES ON BASE BID AND ALTERNATE "A"

6 ZONE CONTROL FOR MZ-2
NO SCALE



ALTERNATE "A" ONLY

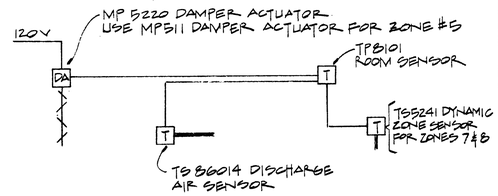
9 HVAC UNIT #1 CONTROL
NO SCALE



TYPICAL FOR MZ UNIT No. 1

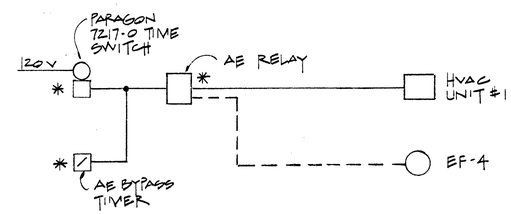
SEE MECH. FLR. PLAN SHT. M-1 FOR MVD LOCATIONS ZONE #1 FROM MZ UNIT No. 1 AND FOR ZONES #1 THRU #4 FROM MZ UNIT No. 2

2 M-Z UNIT ZONE DUCT INSTALLATION
NO SCALE



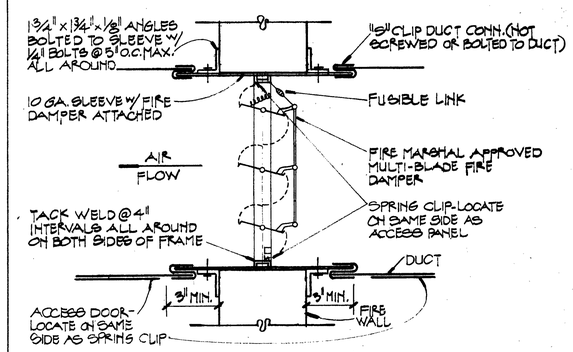
TYPICAL OF ELEVEN ZONES ON BASE BID
DELETE ZONE #3 UNDER ALTERNATE "A"

5 ZONE CONTROL FOR MZ-1
NO SCALE

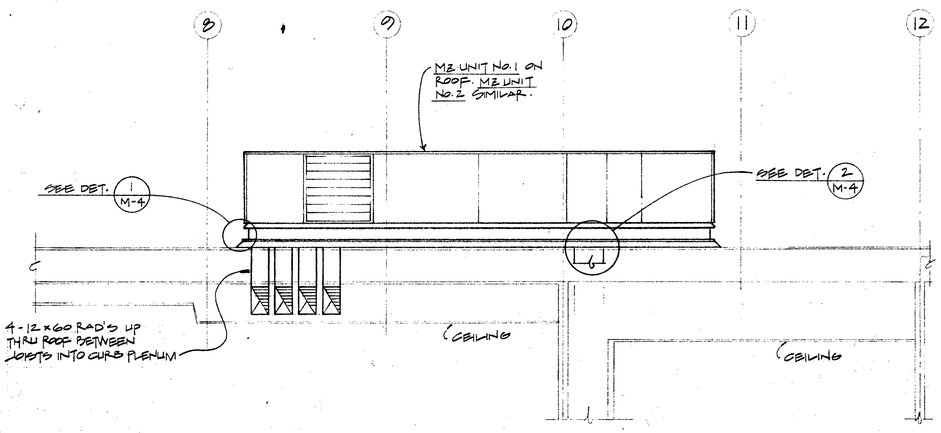


ALTERNATE "A" ONLY
* LOCATE IN TEMP. CONTROL PANEL #2

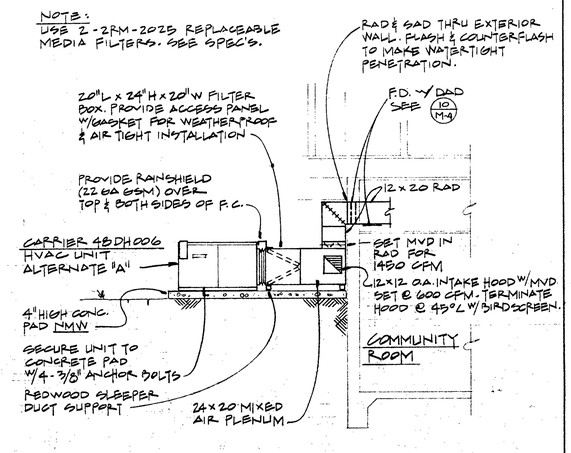
7 FAN START CONTROL
NO SCALE



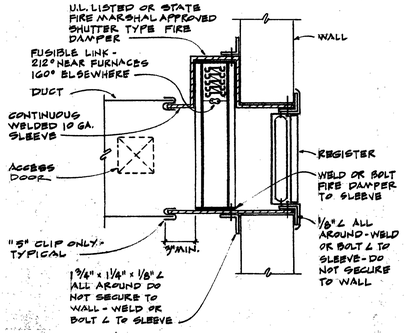
10 FIRE DAMPER INSTALLATION DETAIL
NO SCALE



3 S E C T I O N
SCALE 0 1/4" = 1'-0"



8 S E C T I O N
SCALE 0 1/4" = 1'-0"



11 FIRE DAMPER AT SIDEWALL REGISTER
NO SCALE

JOB 167-1882
DATE: 5-22-73
DRAWN: WJK
CHECKED: GAG
APPROVED: GAG

REVISIONS
9-15-73

GEORGE A. GREENE CO. CONSULTING ENGINEERS
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MECHANICAL DETAILS & CONTROLS
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SHEET NO.
M-4
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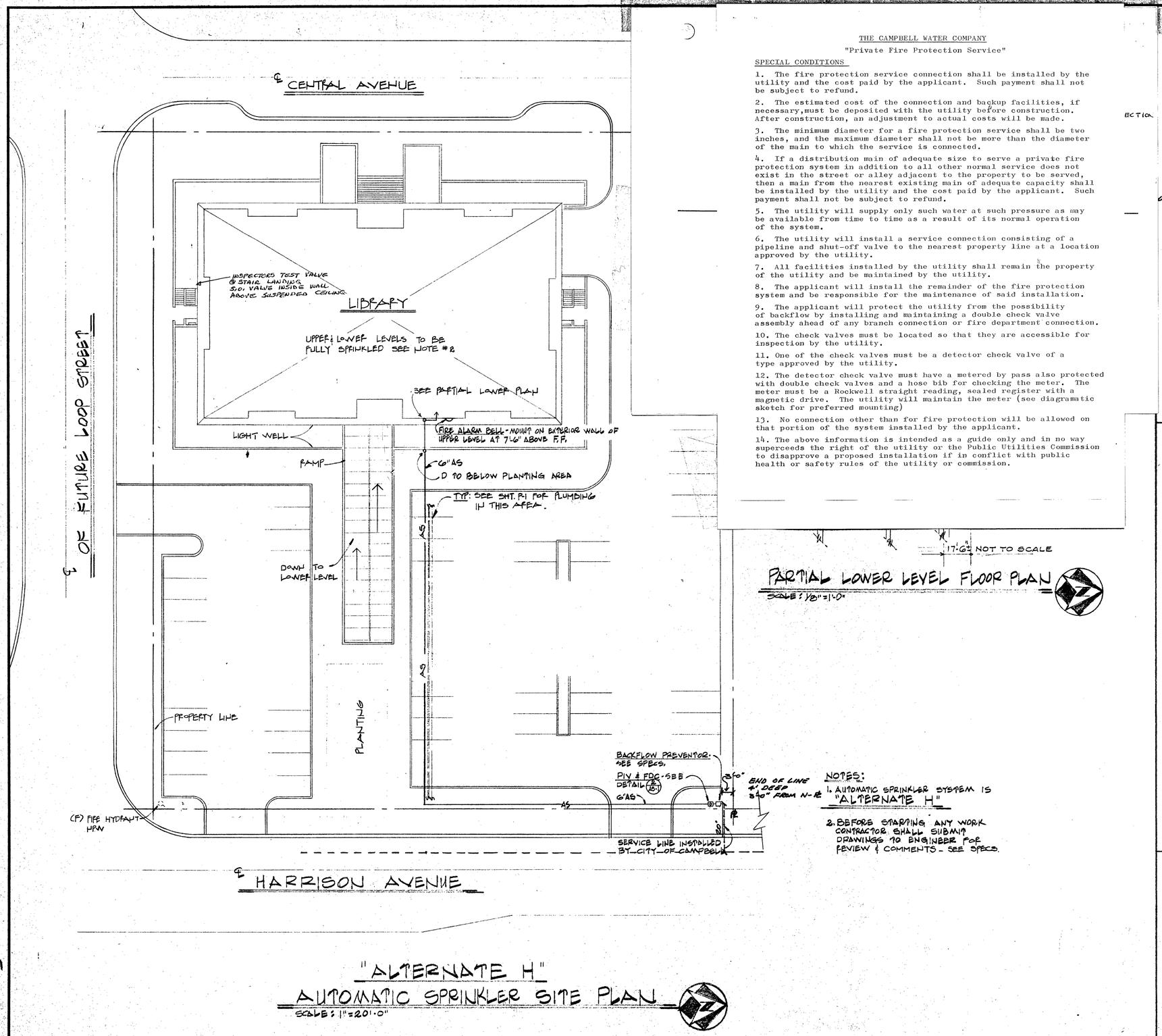


THE CAMPBELL WATER COMPANY

"Private Fire Protection Service"

SPECIAL CONDITIONS

1. The fire protection service connection shall be installed by the utility and the cost paid by the applicant. Such payment shall not be subject to refund.

2. The estimated cost of the connection and backup facilities, if necessary, must be deposited with the utility before construction. After construction, an adjustment to actual costs will be made.

3. The minimum diameter for a fire protection service shall be two inches, and the maximum diameter shall not be more than the diameter of the main to which the service is connected.

4. If a distribution main of adequate size to serve a private fire protection system in addition to all other normal service does not exist in the street or alley adjacent to the property to be served, then a main from the nearest existing main of adequate capacity shall be installed by the utility and the cost paid by the applicant. Such payment shall not be subject to refund.

5. The utility will supply only such water at such pressure as may be available from time to time as a result of its normal operation of the system.

6. The utility will install a service connection consisting of a pipeline and shut-off valve to the nearest property line at a location approved by the utility.

7. All facilities installed by the utility shall remain the property of the utility and be maintained by the utility.

8. The applicant will install the remainder of the fire protection system and be responsible for the maintenance of said installation.

9. The applicant will protect the utility from the possibility of backflow by installing and maintaining a double check valve assembly ahead of any branch connection or fire department connection.

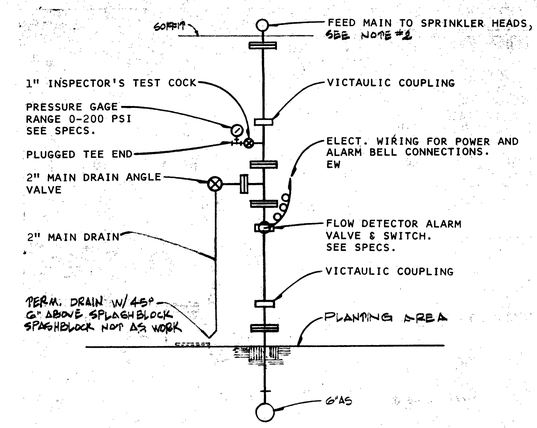
10. The check valves must be located so that they are accessible for inspection by the utility.

11. One of the check valves must be a detector check valve of a type approved by the utility.

12. The detector check valve must have a metered by pass also protected with double check valves and a hose bib for checking the meter. The meter must be a Rockwell straight reading, sealed register with a magnetic drive. The utility will maintain the meter (see diagramatic sketch for preferred mounting)

13. No connection other than for fire protection will be allowed on that portion of the system installed by the applicant.

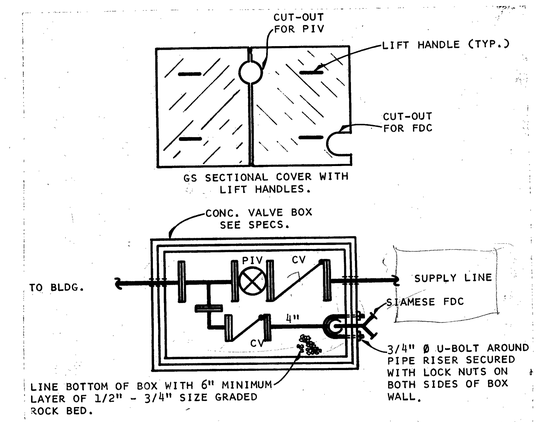
14. The above information is intended as a guide only and in no way superceeds the right of the utility or the Public Utilities Commission to disapprove a proposed installation if in conflict with public health or safety rules of the utility or commission.



NOTE:
1. SEE FLOOR PLAN FOR PIPE SIZES NOT INDICATED.
2. ALL COUPLINGS SHALL BE VICTAULIC STANDARD COUPLINGS.

1 AUTOMATIC SPRINKLER SYSTEM MAIN RISER VALVE ARRANGEMENT

NO SCALE

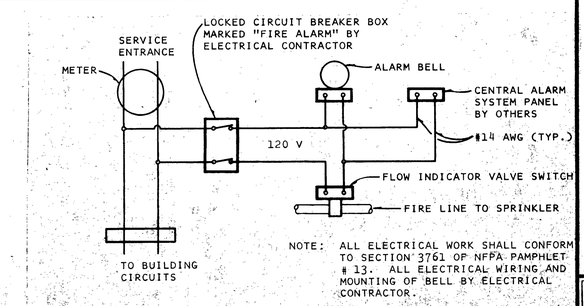


NOTE

SUPPORT VALVES WITH CONC. BLOCKS

2 DETAIL OF POST INDICATOR VALVE & FIRE DEPARTMENT CONNECTIONS

NO SCALE



NOTE: ALL ELECTRICAL WORK SHALL CONFORM TO SECTION 3761 OF NFPA PAMPHLET # 13. ALL ELECTRICAL WIRING AND MOUNTING OF BELL BY ELECTRICAL CONTRACTOR.

3 FIRE SPRINKLER ALARM WIRING DIAGRAM DETAIL

NO SCALE

JOB: 71-1884
DATE: 9-15-73
DRAWN: RLV
CHECKED: GAF
APPROVED: GAG

REVISIONS

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THE OFFICE OF WILLIAM W. HEDLEY JR. architect a.i.a. 346 E. CAMPBELL AVE. CAMPBELL CALIFORNIA C-2713 379-7484

AUTOMATIC SPRINKLER PLANS & DETAILS (ALTERNATE "H")
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CAMPBELL, CALIFORNIA

SHEET NO. AS-1 OF 1

GENERAL NOTES

CONDUIT WORK

1. ALL CONDUIT UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS SHALL BE 1/2 INCH WITH 2 #12 AWG.
2. CONDUIT WITH NUMBER OF CONDUCTORS INDICATED SHALL BE SIZED IN ACCORDANCE WITH STATE OF CALIFORNIA BASIC ELECTRICAL REGULATIONS, TITLE 24, EXCEPT IN ALL CASES FOR CONDUIT IN OR UNDER FLOOR SLABS, THE MINIMUM SIZE SHALL BE 3/4 INCH.
3. ALL CONDUIT SHALL BE CONCEALED EXCEPT WHERE SPECIFICALLY NOTED.
4. SEE SPECIFICATIONS FOR CONDUIT WORK IN CONCRETE OR BELOW GRADE.
5. ALL UNDERGROUND COUPLING THREADS TO BE PAINTED WITH RED LEAD.
6. ALL CONDUIT RISERS OUT OF CONCRETE FLOOR SHALL BE PROVIDED WITH A THREADED COUPLING AT FLOOR LINE. THIS ALSO APPLIES AT ALL INTERIOR WALLS AND PARTITIONS. SEE DETAIL F/E-2.
7. ALL EXPOSED RACEWAY RUNS AS INDICATED SHALL BE ROUTED AT RIGHT ANGLES TO OR PARALLEL WITH THE STRUCTURE. CONDUITS SHALL BE SECURED AT 8'-0" MAXIMUM INTERVALS AND WITH 3'-0" OF EVERY OUTLET OR TERMINATION.
8. SPACING OF 3 INCHES IN CONCRETE OR 1 FOOT IN EARTH SHALL BE MAINTAINED BETWEEN POWER AND TELEPHONE CABLES AND/OR RACEWAYS.
9. ALL UNDERGROUND NON-METALLIC RACEWAYS (DUCTS) SHALL BE ENCASED IN CONCRETE ENVELOPE. SEE TYPICAL DUCT SECTIONS ON PLANS. UNDERGROUND RACEWAYS RISING ABOVE GRADE SHALL BE RIGID STEEL CONDUIT.
10. FLASHING AND SLEEVES FOR ROOF PENETRATIONS SHALL COMPLY WITH THE ROOFING SECTION OF THIS SPECIFICATION.
11. ALL TELEPHONE CONDUITS SHALL BE TERMINATED IN TELEPHONE TERMINALS.

PANELS

1. PROVIDE CONTROL CIRCUIT DISCONNECT IN EACH RELAY COMPARTMENT. ✓
2. PROVIDE PADLOCKING DEVICES FOR ALL CIRCUIT BREAKERS FEEDING FLUORESCENT FIXTURES, H.W. HEATERS, MOTORS, ETC. AS REQUIRED BY CODE.
3. ALL PANELS SHALL BE SET WITH TOP +6'-0" EXCEPT THOSE WITH RELAY COMPARTMENTS SHALL BE +6-6" AND EXACT LOCATION COORDINATED WITH THE ARCHITECT.
4. LIGHTING PANELS AND OTHER TERMINAL CABINETS WHENEVER GROUPED SHALL MATCH HEIGHT OR LARGER BOX FOR UNIFORM APPEARANCE.
5. BACKBOARDS SHALL BE 3/4" PLYWOOD INDUSTRIAL GRADE W.P. WITH TWO (2) COATS OF ENAMEL AS SPECIFIED IN SPECIFICATIONS.
6. EACH LIGHTING PANEL PROVIDED WITH AUXILIARY RELAYS OR CONTACTORS SHALL HAVE A SEPARATE COMPARTMENT WITH HINGED DOOR AND CAPTIVE SCREWS FOR AUXILIARY EQUIPMENT. TIME SWITCHES SHALL BE INSTALLED IN SEPARATE COMPARTMENT FROM RELAYS OR CONTACTORS WITH HINGED DOOR AND LOCK. BARRIERED WIREWAYS TO BE PROVIDED ON EACH SIDE FOR THROUGH WIRING. (PROVIDE COMMON ENCLOSURE AND TRIM.)
7. ALL SURFACE MOUNTED PANELS OR TERMINAL CABINETS SHALL BE PROVIDED WITH CODE GAUGE METAL SKIRTS FROM BOTTOM OF PANEL TO FLOOR.
8. ALL SWITCHBOARD AND PANEL SPACES SHALL BE COMPLETE WITH BUS STRAPS AND HARDWARE TO ACCEPT FUTURE BREAKERS.
9. PROVIDE A MINIMUM OF 2-1" SPARE CONDUITS FROM EACH RECESS MOUNTED PANEL OR SIGNAL CABINET TO T-BAR CEILING ADJACENT.

FIXTURES

1. FLUORESCENT FIXTURE BALLASTS SHALL BE "P" RATED, HIGH POWER FACTOR, CERTIFIED BY E.T.L., LISTED BY U.L. AND SHALL HAVE A MINIMUM SOUND RATING OF "A". FIXTURES SHALL BE DESIGNED FOR 40°C. AMBIENT.
2. EXACT LOCATION OF ALL FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT DURING CONSTRUCTION. (SEE REFLECTED CEILING PLANS.)
3. LIGHTING FIXTURES SHALL BE HUNG EARTHQUAKE PROOF IN ACCORDANCE WITH STATE OF CALIFORNIA BASIC ELECTRICAL REGULATIONS, TITLE 24.
4. ALL LIGHTING FIXTURES SHALL COMPLY WITH NATIONAL ELECTRIC CODE, ARTICLE 410.
5. ALL WIRING IN CONTINUOUS ROWS OF FLUORESCENT FIXTURES SHALL BE MADE WITH TYPE R.H.H. WIRE.
6. RECESSED FIXTURES SHALL BE EQUIPPED WITH PLASTER RINGS AND GASKETS REQUIRED. CHECK ROOM FINISH SCHEDULE ON ARCHITECTURAL DRAWINGS.
7. ALL SURFACE MOUNTED FLUORESCENT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF STATE FIRE MARSHAL. CHECK ARCHITECTURAL CEILING FINISHES. FOR MOUNTING ON LOW DENSITY FIBERBOARD, FIXTURES SHALL BE U.L. LISTED FOR SUCH MOUNTING.
8. FIXTURES WHICH ARE EXPOSED TO WEATHER SHALL BE WEATHERPROOF.
9. LOCATE LIGHTING FIXTURE IN MECHANICAL ROOMS TO CLEAR ALL DUCT WORK, PIPING, ETC.
10. FINISH INDICATED "AS SEL." ON FIXTURE SCHEDULE SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ORDERING.
11. RECESSED FIXTURES SHALL BE COMPLETE WITH APPROPRIATE MOUNTING DEVICES AND TRIM. CHECK ROOM FINISH SCHEDULE ON ARCHITECTURAL DRAWINGS FOR EXACT DETAILS PRIOR TO ORDERING FIXTURES.
12. ALL FLEX CONNECTIONS BETWEEN J-BOXES AND RECESS FLUORESCENT FIXTURES IN T-BAR CEILING AREAS SHALL BE SIX (6) FEET LONG.
13. RECESSED FIXTURES IN SUSPENDED CEILINGS SHALL BE SUPPORTED FROM ROOF STRUCTURE BY WIRES AT EACH FIXTURE CORNER & ON 4 FOOT CENTERS ALONG ROW OF FIXTURES FOR SUSPENSION, AND ALSO DIAGONAL ON 8 FOOT CENTERS ALONG ROW OF FIXTURES FOR LATERAL BRACING. WIRE SHALL BE SAME SIZE AS CEILING SUPPORT (#12 GAUGE MINIMUM). SEE DETAIL E/E-2.
14. SURFACE FIXTURES IN SUSPENDED CEILINGS SHALL BE SUPPORTED FROM ROOF STRUCTURE USING "CADDY" BRACKETS AND 1/4" RODS.

GROUNDING

1. THE CONTRACTOR SHALL GROUND ALL EQUIPMENT AS REQUIRED BY STATE OF CALIFORNIA BASIC ELECTRICAL REGULATIONS, TITLE 24.
2. GROUND LUG IN MAIN SERVICE EQUIPMENT SHALL BE MOUNTED AGAINST CLEAN UNPAINTED METAL.
3. INTERNAL GROUND BONDING JUMPERS SHALL BE PROVIDED FOR ALL LENGTHS OF FLEXIBLE METALLIC CONDUIT. ALL EQUIPMENT PROVIDED WITH TWO CONDUCTOR CORDS, SHALL BE REWIRED TO PROVIDE THREE (3) CONDUCTOR TYPE "S" CORD AND GROUNDING ATTACHMENT PLUG CAPS.
4. A GREEN INSULATED COPPER GROUND WIRE SHALL BE PROVIDED IN ALL NON-METALLIC RACEWAYS SIZED IN ACCORDANCE WITH STATE OF CALIFORNIA BASIC ELECTRICAL REGULATIONS, TITLE 24. THIS WIRE IS NOT SHOWN ON PLANS

SUPPORTS AND FASTENING

1. CONDUIT AND EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURAL ELEMENTS (NOT SUSPENDED CEILINGS, ETC.), HANGERS, BRACKETS, BEAM CLAMPS, ETC., SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR PURPOSE USED. (KINDORF, UNISTRUT, SUPERSTRUT, ETC.) WIRE AND PERFORATED STRAP IRON SHALL NOT BE USED.
2. FASTERNERS SHALL BE OF A TYPE APPROVED BY THE ENGINEER (HAVING A SAFETY FACTOR OF 4).
   - A. CONCRETE: RAW "6000" SELF-DRILL OR EQUAL.
   - B. STEET: BEAM CLAMPS, (DRILL & TAP OR PUNCH HOLES ONLY IF APPROVED BY STRUCTURAL ENGINEER).
   - C. WOOD: WOOD SCREWS (USE NAILS ONLY IN SHEAR), POWER DRIVEN ANCHORS, "NAILIN" ANCHORS, PLASTIC OR FIBER PLUGS SHALL NOT BE USED.

GENERAL

1. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF U.G. POWER AND TELEPHONE SERVICES FROM SERVING UTILITIES. MINOR FIELD ADJUSTMENTS AS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECT.
2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD INSPECTION OF SITE TO DETERMINE ACTUAL CONDITIONS OF INSTALLATION AND/OR EXISTING EQUIPMENT BEFORE SUBMITTING BID.
3. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT UNLESS OTHERWISE NOTED.
4. LOCATION OF OUTLETS SHOWN IS APPROXIMATE ONLY AND OUTLETS MAY BE MOVED TO SUIT CONFLICTING EQUIPMENT.
5. ALL FLOOR OUTLETS AND STUBS SHALL BE LOCATED AS DIRECTED BY THE ARCHITECT
6. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
7. PROVIDE ENGRAVED DEVICE PLATE READING "EXHAUST FAN" FOR ALL SWITCHES CONTROLLING EXHAUST FANS.
8. SEE SINGLE LINE DIAGRAM FOR THE RESPECTIVE FEEDER SIZES.
9. NO OUTLETS SHALL BE MOUNTED BACK-TO-BACK ON ANY COMMON WALL.
10. STRUCTURE SHALL NOT BE CUT WITHOUT AUTHORIZATION FROM ARCHITECT. SLEEVES THROUGH CONCRETE FLOORS SHALL BE ACCEPTABLE TO THE ARCHITECT.
11. ALL GROUPED SWITCHES (2 OR MORE) SHALL BE LABELED WITH ENGRAVED DEVICE PLATE. COORDINATE WITH ARCHITECT AND/OR OWNER FOR PROPER IDENTIFICATION PRIOR TO ORDERING.
12. ALL CONDUIT RISERS INSIDE CONCRETE COLUMNS OR WALLS SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
13. ALL ELECTRICAL EQUIPMENT IN MECHANICAL ROOMS SHALL BE INSTALLED SO THAT CODE REQUIRED CLEARANCES ARE MAINTAINED.
14. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL STARTER AND/OR DISCONNECT ON ALL EQUIPMENT PROVIDED BY THE OWNER WITHOUT FACTORY MOUNTED SAFETY DEVICE, AND SHALL BE RESPONSIBLE FOR CONNECTIONS WITH SEAL-TITE FLEX TO ALL EQUIPMENT FROM J-BOXES INDICATED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONNECT MOTORS, CONTROLLERS AND PILOT DEVICES SUPPLIED BY OTHERS.

NOTES FOR SYMBOLS

1. COLOR OF DEVICES SHALL BE COORDINATED WITH WALL FINISH AND ARCHITECT; - IVORY FOR LIGHT WALLS, BROWN FOR DARK AND PANELED WALLS.
2. COVER PLATES SHALL BE PLASTIC, SUBMIT SAMPLES FOR APPROVAL BY ARCHITECT FRIOR TO ORDERING. W.P. COVERS SHALL BE CAST ALUMINUM WITH HINGED COVERS.
3. ALL FLOOR OUTLETS SHALL HAVE TAPPING AS REQUIRED (3/4" MINIMUM) AND MUST BE PERFECTLY FLUSH WITH FINISH FLOOR.
4. PROVIDE CARPET FLANGE FOR ALL FLOOR OUTLETS LOCATED IN AREAS TO BE PROVIDED WITH CARPET.
5. ALL MAGNETIC MOTOR STARTERS SHALL HAVE 3 OVERLOADS, H-0-A/PILOT (UNLESS OTHERWISE NOTED), 120 VOLT CONTROL TRANSFORMER AND DISCOUNT FOR CONTROL CIRCUIT. MINIMUM SIZE 1.
6. ATTACHMENT PLUG CAPS SHALL BE PROVIDED WITH ALL RECEPTACLE OUTLETS OTHER THAN 15, 20 AMPS -120 VOLT.
7. PROVIDE LEW #530-R RUBBER BELL NOZZLE FOR ALL TELEPHONE FLOOR OUTLETS.

ABBREVIATIONS

N.L.	=	NIGHT LIGHT
C.O.	=	CONDUIT ONLY WITH #12 TW PULL WIRE
D.O.	=	DUCT ONLY WITH #12 TW PULL WIRE
W.P.	=	WEATHERPROOF
N.T.S.	=	NOT TO SCALE
E.S.	=	ELECTRICAL SECTION OF THIS CONTRACT
M.S.	=	MECHANICAL SECTION OF THIS CONTRACT
B.C.	=	BARE COPPER
U.O.N.	=	UNLESS OTHERWISE NOTED
MTG. HT.	=	MOUNTING HEIGHT
N.I.C.	=	NOT IN CONTRACT

ELECTRICAL SYMBOLS

NOTE: SYMBOLS LISTED ARE FOR GENERAL USE. DISREGARD SYMBOLS NOT USED ON PLANS.

LIGHTING

SYMBOL	DESCRIPTION	
	FIXTURE IDENTIFICATION TAG —SEE SCHEDULE	
	CEILING OR PENDANT FIXTURE & OUTLET	
	WALL MTD. FIXTURE & OUTLET	
	RECESSED FIXTURE & OUTLET	
	FLUORESCENT FIXTURE & OUTLET	
	FLUORESCENT FIXTURE (WIRED THRU FIXTURE)	
	FLOODLIGHT & OUTLET	
	CEILING OR PENDANT EXIT FIXTURE & OUTLET	PROVIDE ARROW & NUMBER OF FACES AS REQUIRED; ⊗ DENOTES EMERGENCY CIRCUIT
	WALL MOUNTED EXIT FIXTURE & OUTLET	
	RECESSED EXIT FIXTURE & OUTLET	
	POST TOP ELECTROLIER W/LUMINAIRE POST & BASE	
	RECESSED FIXTURE & OUTLET	LIGHTING FIXTURES ON EMERGENCY CIRCUIT
	CLG. SURFACE FIXTURE & OUTLET	
	WALL MTD. FIXTURE & OUTLET	

STANDARD SWITCHES & RECEPTACLES

SYMBOL	DESCRIPTION	MAX. RATING	CAT. NO. OF DEVICE A. H.	HUBBELL	BRYANT		MTG. (HT.) U.O.N.
$	1 POLE SWITCH	20AMP 277VOLT	1991	1221	4901		52"
$^2	2POLE SWITCH		1992	1222	4902		
$^3	3WAY SWITCH		1993	1223	4903		
$^4	4WAY SWITCH		1994	1224	4904		
$^M	MOMENTARY CONTACT 1P DT		1995	1557	4921		
$^P	PILOT LIGHT	120V	1711	432	427		W/SW.
$^K	LOCKING DEVICE	—	—	96061 CHROME	—		W/SW.
$^P	PILOT LIGHT	277V	—	—	48071-R		W/SW.
	DUPLEX RECEPTACLE	15AMP 120VOLT	5262	5262	5262		+18"
			5262	5262	5262		ABOVE SPL.BK.
		20AMP 120VOLT	5739	5362	5362		+18"
			5739	5362	5362		ABOVE SPL. BK.
	CLOCK RECEPTACLE	15AMP 120VOLT	5708	5235	2828-S		VERIFY
	DUPLEX RECEPTACLE	15AMP 120VOLT	4700-I	—	—		CLG.
	DUPLEX RECEPTACLE	20AMP 120VOLT					CLG.
	SINGLE RECEPTACLE	20AMP 120/240V	5759	—	—		+18"
	SINGLE RECEPTACLE	30AMP 120/240V	5744	—	—		VERIFY

WIRING

SYMBOL	DESCRIPTION	
	CONDUIT & CONDUCTORS CONCEALED IN WALL OR CLG.	CROSS LINES DENOTE QUANTITY OF #12 CONDUCTORS — NO CROSS LINES DENOTE 2#12 — OTHER SIZES OF CONDUCTORS ARE INDICATED BY NOTE — WIRING IS DIAGRAMMATIC UP & DOWN TURNS ARE USED ONLY FOR CHANGES IN FLOORS
	CONDUIT & CONDUCTORS CONCEALED IN OR BELOW FLOOR & IN WALLS	
	CONDUIT & CONDUCTORS EXPOSED ON CEILING	
A-1,3,5	HOME RUN TO PANELBOARD ETC. (NUMBERS DENOTE PANEL & CCT NO.)	
	WIRING TURNED UP	
	WIRING TURNED DOWN	
	CONDUIT OR DUCT STUB & CAP	
	CONDUIT SEAL CROUSE-HINDS EYS ETC. AS REQUIRED	
—E—	CONDUIT & CONDUCTORS ON EMERGENCY CIRCUIT	
DPA-A	FEEDER DESIGNATED BY CIRCUIT NO. SEE SINGLE LINE DIAGRAM FOR SIZE—ROUTE SAME AS BRANCH WIRING	
MCCA-1	MOTOR CONTROL CIRCUIT—SEE SINGLE LINE DIA. FOR SIZE—ROUTE SAME AS BRANCH WIRING	
—T—	PUBLIC TELEPHONE RACEWAY & PULL WIRE 3/4" C.O. UNLESS OTHERWISE NOTED	
—A—	ALARM SYSTEM RACEWAY & WIRING	
—T.V—	TELEVISION RACEWAY & PULL WIRE 3/4" C.O. UNLESS OTHERWISE NOTED	

PANELBOARDS, CABINETS ETC.

SYMBOL	DESCRIPTION
	FLUSH MOUNTED PANELBOARD — SEE PANEL SCHEDULES
	SURFACE MOUNTED PANELBOARD SEE PANEL SCHEDULES
	SWITCHBOARD, DIST. PANEL, MCC — SEE SINGLE LINE DIA.
	FLUSH TERMINAL CABINET AS NOTED
	SURFACE TERMINAL CABINET AS NOTED
E	SURFACE MTD. EMERGENCY LIGHTING UNIT-HOLOPHANE #812/15-ELD UNLESS OTHERWISE NOTED

MECHANICAL & POWER CONNECTIONS

SYMBOL	DESCRIPTION	MTG. (HT.)
	POWER EQUIPMENT TAG -SEE POWER SCHEDULE	—
M	MOTOR CONNECTION	AS NOTED
H	HEATER CONNECTION	AS NOTED
	PACKAGED EQUIPMENT W/INTEGRAL STARTERS & CONTROL PANEL	AS NOTED
	MAGNETIC MOTOR STARTER WITH 120 VOLT CONTROL CIRCUIT	WALL 6'-6" MAX.
	COMBINATION MAGNETIC MOTOR STARTER AS ABOVE W/CCT BREAKER	WALL 6'-6" MAX.
	COMBINATION MAGNETIC MOTOR STARTER AS ABOVE W/NON-AUTO BKR.	WALL 6'-6" MAX.
$^T	MANUAL MOTOR STARTER SWITCH WITH ENCLOSURE, POLES & RATING TO SUIT, IN FINISH AREAS SHALL BE RECESSED	6'-6" MAX.
	CIRCUIT BREAKER W/ENCLOSURE & RATING TO SUIT-N.A. NON-AUTOMATIC	6'-6" MAX.
T	THERMOSTAT-PROVIDED BY MECH. INSTALLED & CONNECTED BY ELEC. CONTRACTOR	WALL 5'-6"
	HEAVY DUTY DISCONNECT SWITCH WITH ENCLOSURE & RATING TO SUIT-N.F. NON-FUSED	6'-6" MAX.

MISC. OUTLETS & DEVICES

SYMBOL	DESCRIPTION	MTG. (HT.) U.O.N.
J	JUNCTION BOX-SIZE AS REQ'D. BY CODE & BMC (NOT ALL SHOWN) STAINLESS STEEL COVER IF FLUSH IN FINISH AREA	ACCESSIBLE
	CIRCUIT BREAKER W/CURRENT LIMITING FUSES-SIZE AS SHOWN ON PLANS	
	COPPERWELD GROUND ROD AND INSPECTION WELL-SEE DETAIL G/E-2	
—G—	GROUND CABLE BURIED 24" MIN. BELOW FINISH GRADE-SIZE AS REQUIRED	
	COPPERWELD GROUND ROD 10'x3/4" DRIVEN 18" BELOW GRADE, CADWELD CONNECTION (IN MANHOLES & PULL BOXES SHALL BE 8" ABOVE FLOOR, GROUND FITTING CONNECTION)	
	GROUND CONNECTION	
101	ROOM NUMBER	
P	PHOTOELECTRIC CONTROL	
	TELEPHONE OUTLET-4"x4"x1 1/2" BOX & 2 GANG COVER (MINIMUM)	WALL +18"
	TELEPHONE OUTLET-LEW #532-XD W/CARPET FLANGE WHERE REQUIRED	FLUSH IN FLOOR
	FLOOR RECEPT. 20AMP, 120V, LEW #632-DFB W/CARPET FLANGE WHERE REQUIRED	FLUSH IN FLOOR
TV	TELEVISION OUTLET-2 GANG BOX 2 1/8" DEEP WITH 1/2" MIN. SINGLE GANG RING & BLANK COVER U.O.N.	WALL +18"
TV	TELEVISION OUTLET LEW #532-XD-BE W/CARPET FLANGE WHERE REQUIRED	FLUSH IN FLOOR
C	CLOCK-HOWARD MILLER CLOCK CO. #589-C	WALL VERIFY
DS	DOOR SWITCH, ARROW-HART #2022 WITH #3047 BOX	FLUSH VERIFY

JOB: G7-188L
DATE: 5-22-73
DRAWN: CC
CHECKED: MD
APPROVED: JDT

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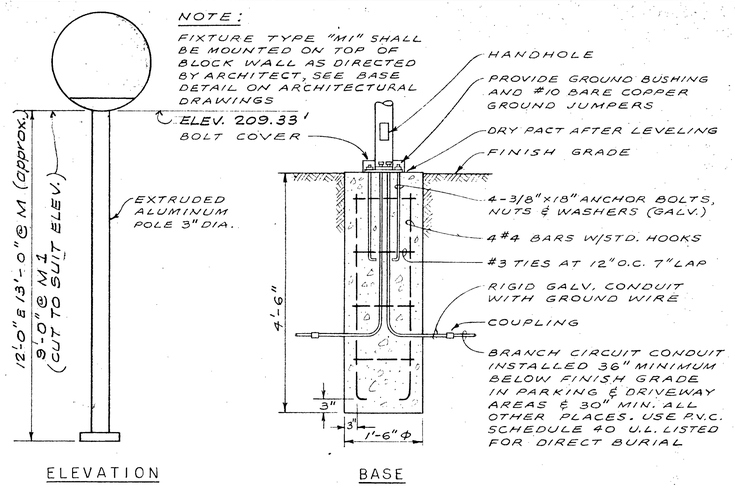
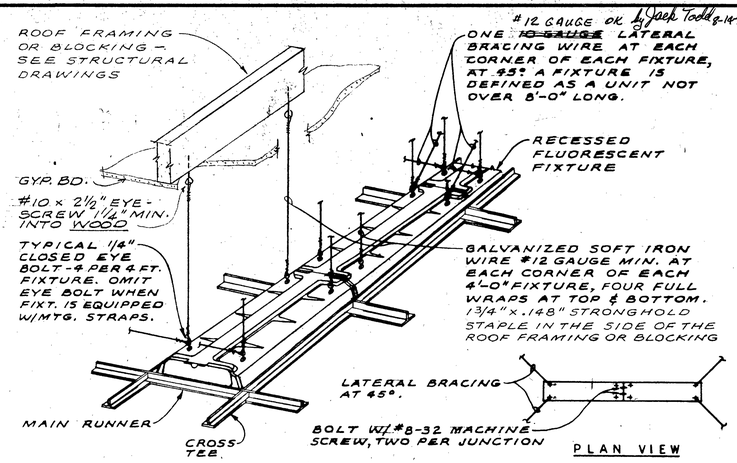
ELECTRICAL SYMBOLS & GENERAL NOTES



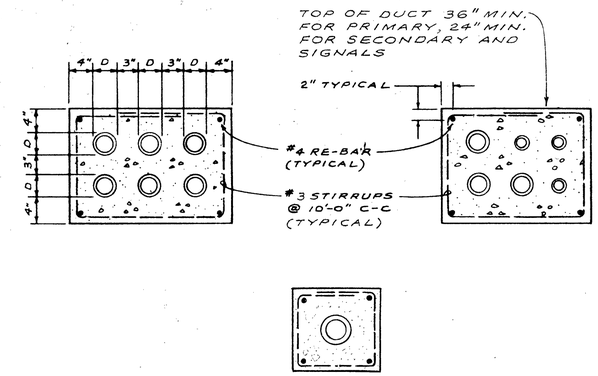
H / E-2 POST TOP MTD. LIGHT FIXTURE TYPE "M" & "MI"

N.T.S.



E / E-2 TYPICAL RECESSED FLUORESCENT FIXTURE IN T-BAR CEILING

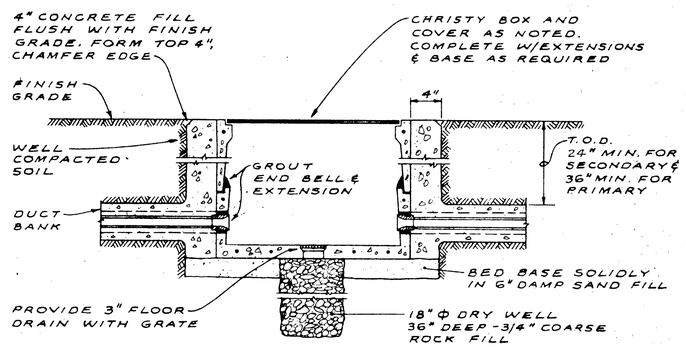
N.T.S.



A / E-2 TYPICAL DUCT BANK SECTIONS

N.T.S.

SEE ALTERNATE 'G' SPEC. SECT. A-3

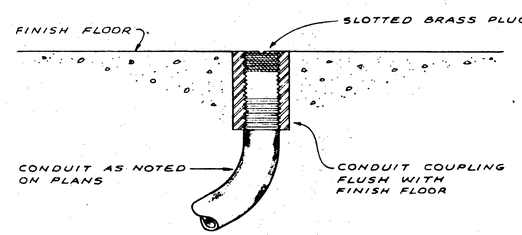


J / E-2 TYPICAL PRECAST PULL BOX

N.T.S.

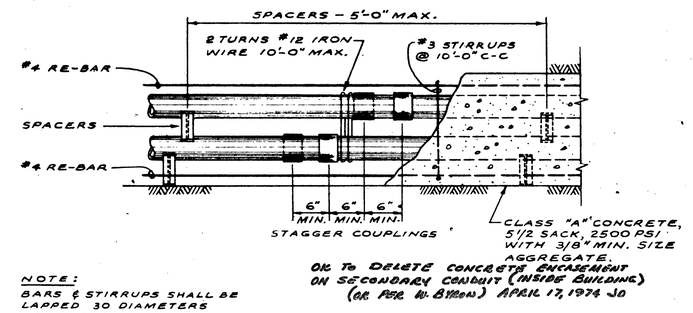
NOTES: 1. VERIFY LOCATION OF ALL FLOOR OUTLETS & STUBS W/OWNER OR EQUIPMENT MANUFACTURER BEFORE FINAL SETTING.

2. THIS INSTALLATION SHALL APPLY AT ALL NON-STRUCTURAL INTERIOR WALLS & PARTITIONS



F / E-2 INSTALLATION OF CONDUIT & FITTINGS IN FLOOR

N.T.S.



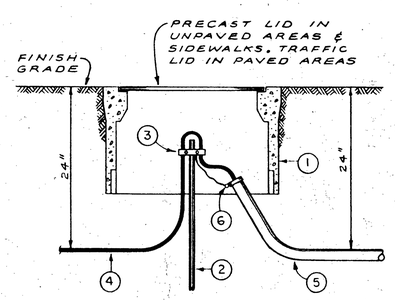
NOTE:
BARS & STIRRUPS SHALL BE LAPPED 30 DIAMETERS AT SPLICES.

OK TO DELETE CONCRETE ENCASEMENT ON SECONDARY CONDUIT (INSIDE BUILDING) (OR PER W. BYRNES) APRIL 17, 1974 JO

B / E-2 TYPICAL LONGITUDINAL REINFORCED DUCT BANK SECTION

N.T.S.

SEE ALTERNATE 'G'

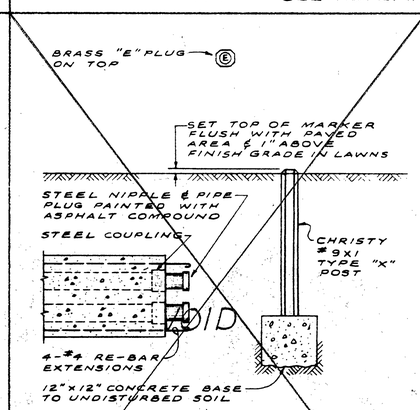


SEE SINGLE LINE DIAGRAM & FLOOR PLANS FOR SIZE OF CONDUCTORS AND ARRANGEMENT OF GROUNDING SYSTEM

1. CHRISTY #N9 RECTANGULAR BOX AND COVER WITH HOLD DOWN BOLTS INSCRIBED "GROUND ROD"
2. 3/4" DIA. x 10'-0" SECTIONAL COPPER WELD GROUND ROD HUBBARD CAT. #29450
3. 3/4" GROUND CONNECTOR FOR 3 CABLES AS SIZED ON SINGLE LINE DIAGRAM. BURNDY "GK" SERIES
4. BARE COPPER STRANDED CABLE BETWEEN GROUND RODS
5. WRAPPED GALVANIZED STEEL CONDUIT WITH INSULATED GROUND CABLE TO CONNECTION WITHIN BUILDING OR SWITCHGEAR
6. GROUND BUSHING WITH #6 TW TO GROUND CONNECTOR

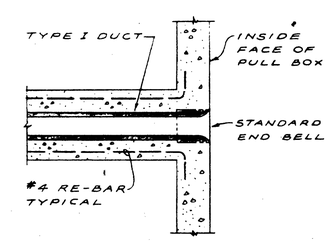
G / E-2 GROUND ROD & INSPECTION WELL

N.T.S.



D / E-2 TYPICAL DUCT STUB & MARKER

N.T.S.



C / E-2 TYPICAL TERMINATION OF ALL DUCTS

N.T.S.

MISC. DETAILS

JOB	167-168
DATE	5-22-73
DRAWN	CC
CHECKED	MD
APPROVED	JDT

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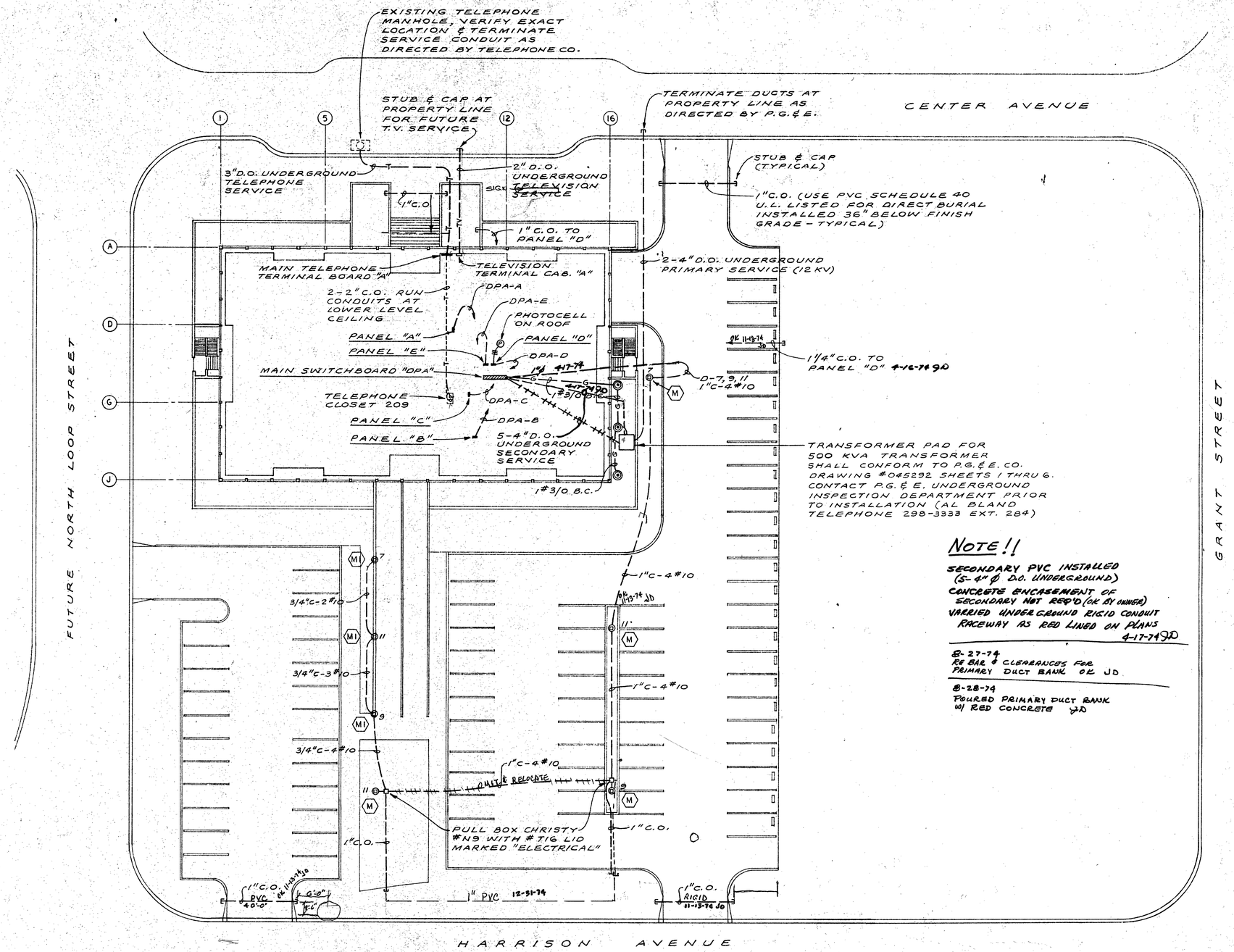
SHEET NO.
E-2
OF 10

SHEET NOTES:

1. PRIMARY AND SECONDARY CABLES SHALL BE PROVIDED AND INSTALLED BY THE PACIFIC GAS & ELECTRIC COMPANY. ANY SERVICE CHARGES SHALL BE PAID BY THE ELECTRICAL CONTRACTOR WHO SHALL CHECK WITH UTILITY COMPANY BEFORE SUBMITTING BID.
2. DUCT ROUTES SHOWN ARE APPROXIMATE ONLY AND MUST BE ADJUSTED IN THE FIELD TO CLEAR OTHER UNDERGROUND FACILITIES.
3. FOR PULL BOX AND UNDERGROUND DUCT BANK DETAILS, SEE SHEET E-2.
4. ALL FEEDERS ARE NOT SHOWN ON PLOT PLAN, SEE SINGLE LINE DIAGRAM FOR THE RESPECTIVE FEEDER SIZES.
5. EXACT LOCATION OF ALL POST TOP MOUNTED LIGHTING FIXTURES, CONDUIT STUBS, PULL BOXES, GROUND ROD WELLS AND TRANSFORMER PAD SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.



NOTE!!

SECONDARY PVC INSTALLED (5-4" Ø D.O. UNDERGROUND)
CONCRETE ENCASEMENT OF SECONDARY NOT REQ'D (OK BY OWNER)
VARIED UNDERGROUND RIGID CONDUIT RACEWAY AS RED LINED ON PLANS
4-17-74 JD

8-27-74
RE BAR & CLEARANCES FOR PRIMARY DUCT BANK OK JD

8-28-74
POURED PRIMARY DUCT BANK W/ RED CONCRETE JD

PLOT PLAN

SCALE: 1" = 20'-0"

JOB	167-186
DATE	5-22-73
DRAWN	J.C.C.
CHECKED	JMD
APPROVED	JDT

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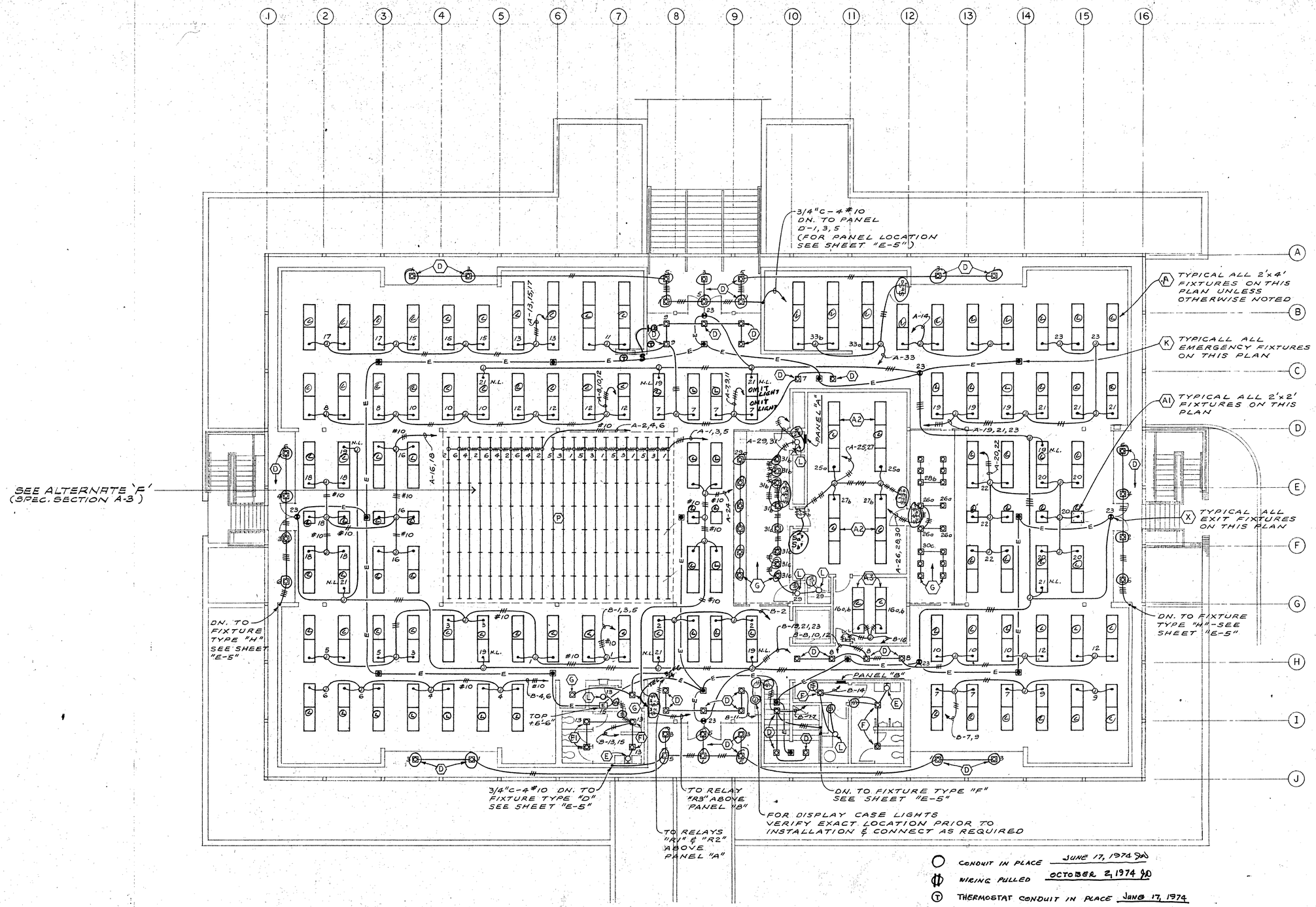
PLOT PLAN

SHEET NO. E-3 OF 10



CONDUIT IN PLACE JUNE 17, 1974 JD

WIRING PULLED OCTOBER 2, 1974 JD

THERMOSTAT CONDUIT IN PLACE JUNE 17, 1974

LIGHTING IN PLACE OCTOBER 4, 1974

ILLUMINATED CEILING COMPLETE OCTOBER 11, 1974

UPPER LEVEL LIGHTING PLAN

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

UPPER LEVEL LIGHTING PLAN

JOB: 67-188L
DATE: 5-22-73
DRAWN: CC
CHECKED: MO
APPROVED: JDT

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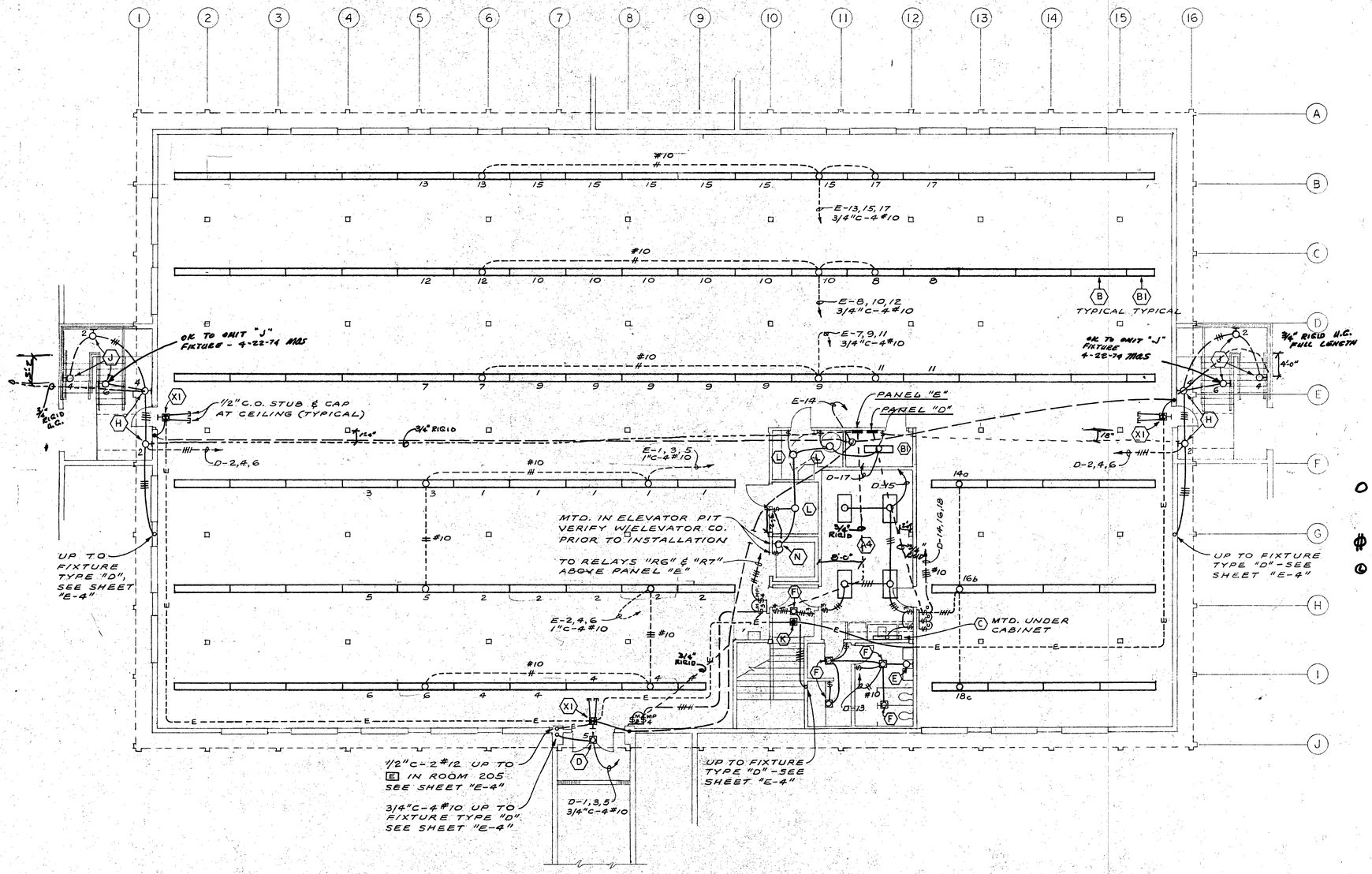
SHEET NO.
E-4
OF 10



U.C. CONDUIT INSPECTIONS
CONDUIT IN PLACE
JOINTS TIGHT & WRAPPED
RUNS STAKED & STABILIZED
APRIL 24, 1974 JO

WIRING PULLED OCT. 2, 1974

LIGHTING IN PLACE NOV. 20, 1974
SEE LOWER LEVEL REFLECTED CEILING PLAN A-16B

LOWER LEVEL LIGHTING PLAN — BASE BID

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

LOWER LEVEL
LIGHTING PLAN
BASE BID

SHEET NO. E-5 OF 10

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EE-4218 PROJECT 73003

REVISIONS

JOB: 167-188L
DATE: 5-22-73
DRAWN: J.C.C.
CHECKED: MAS
APPROVED: JDT

SHEET NOTES:

1. EXACT LOCATION FOR ALL FLOOR OUTLETS & OUTLETS LOCATED AT BOOK RETURN COUNTERS SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT & CONTROL PANELS PRIOR TO INSTALLATION OF CONDUITS & CONNECT AS REQUIRED.
3. ALL TELEPHONE CONDUITS SHALL BE TERMINATED IN TELEPHONE CLOSET 209 U.O.N.
4. SEE SINGLE LINE DIAGRAM FOR SIZE OF MZ-1 & MZ-2 FEEDERS & DISCONNECT DEVICES.

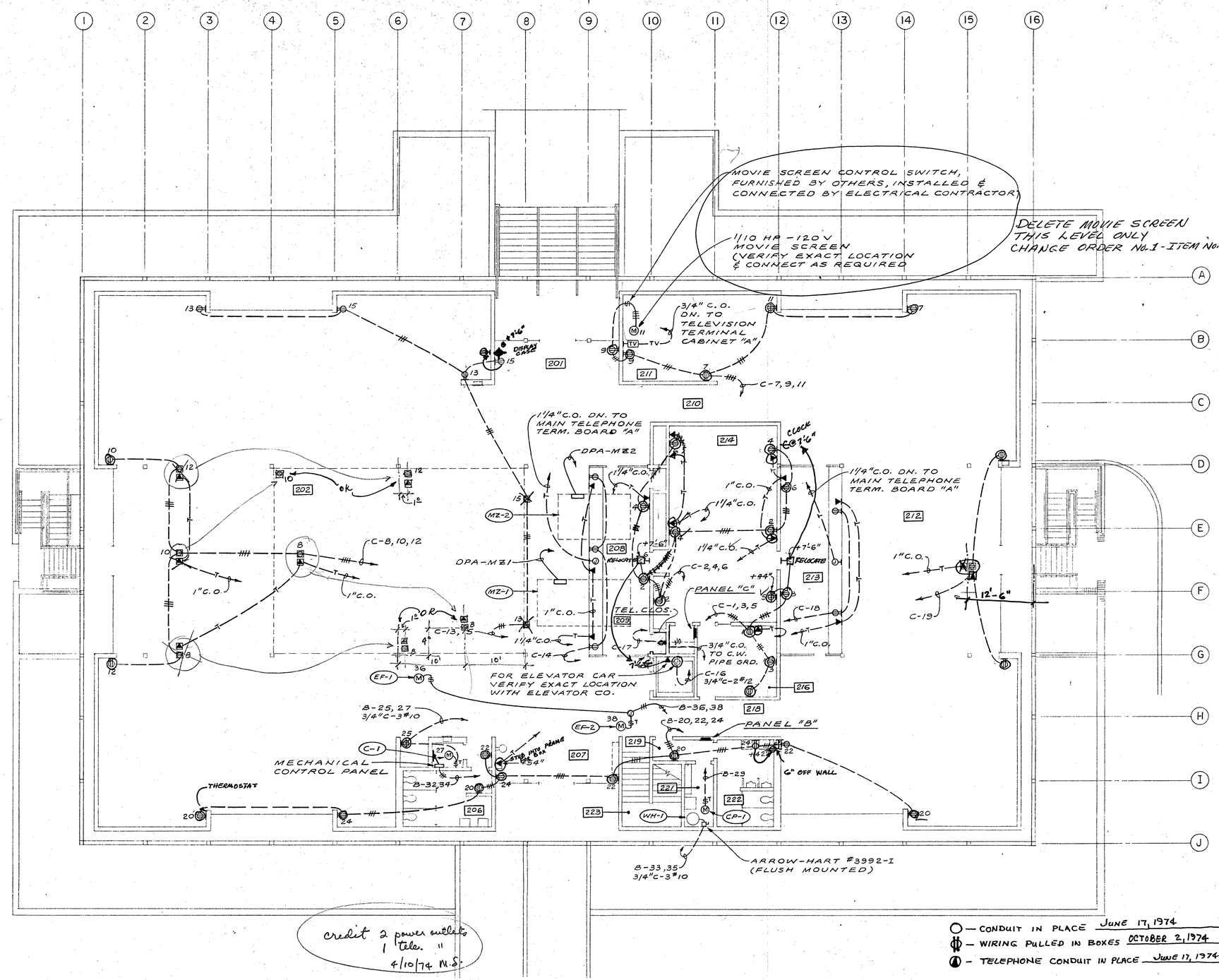
PANEL SCHEDULE: "C"

MAIN BUS: 100 AMP 120/208 VOLT 3 Φ 4 W

TYPE "NLAB" TRIM FLUSH

CIR. NO.	BKR. AMP	BKR. POLE	NO. OF OUTLETS LTG.	NO. OF OUTLETS REC	NO. OF OUTLETS MISC.	TYPE OF LOAD AND LOCATION	VOLT — AMPS "A"	VOLT — AMPS "B"	VOLT — AMPS "C"
1	20	1		2	1	UPPER LEVEL	600		
3				2				600	
5				1					600
2				3			600		
4				3				600	
6				2	1				600
7				2			600		
9				2				600	
11				1	1				1000
8				2			600		
10				2				600	
12				2					600
13				3			600		
15				3				600	
17				1					600
14				3			600		
16					1			600	
18				2					600
19				3			600		
21						SPARE		1000	
23									1000
20							1000		
22								1000	
24									1000
TOTAL VOLT-AMPS PER PHASE							5200	5600	6000

TOTAL LOAD 16.8 KVA. MAX. Φ = 50 AMPS



○ — CONDUIT IN PLACE JUNE 17, 1974

⌀ — WIRING PULLED IN BOXES OCTOBER 2, 1974

◐ — TELEPHONE CONDUIT IN PLACE JUNE 17, 1974

UPPER LEVEL POWER & SIGNAL PLAN

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

UPPER LEVEL POWER & SIGNAL PLAN

JOB: 67-188L
DATE: 5-22-73
DRAWN: C.C.
CHECKED: MD
APPROVED: JDF

REVISIONS

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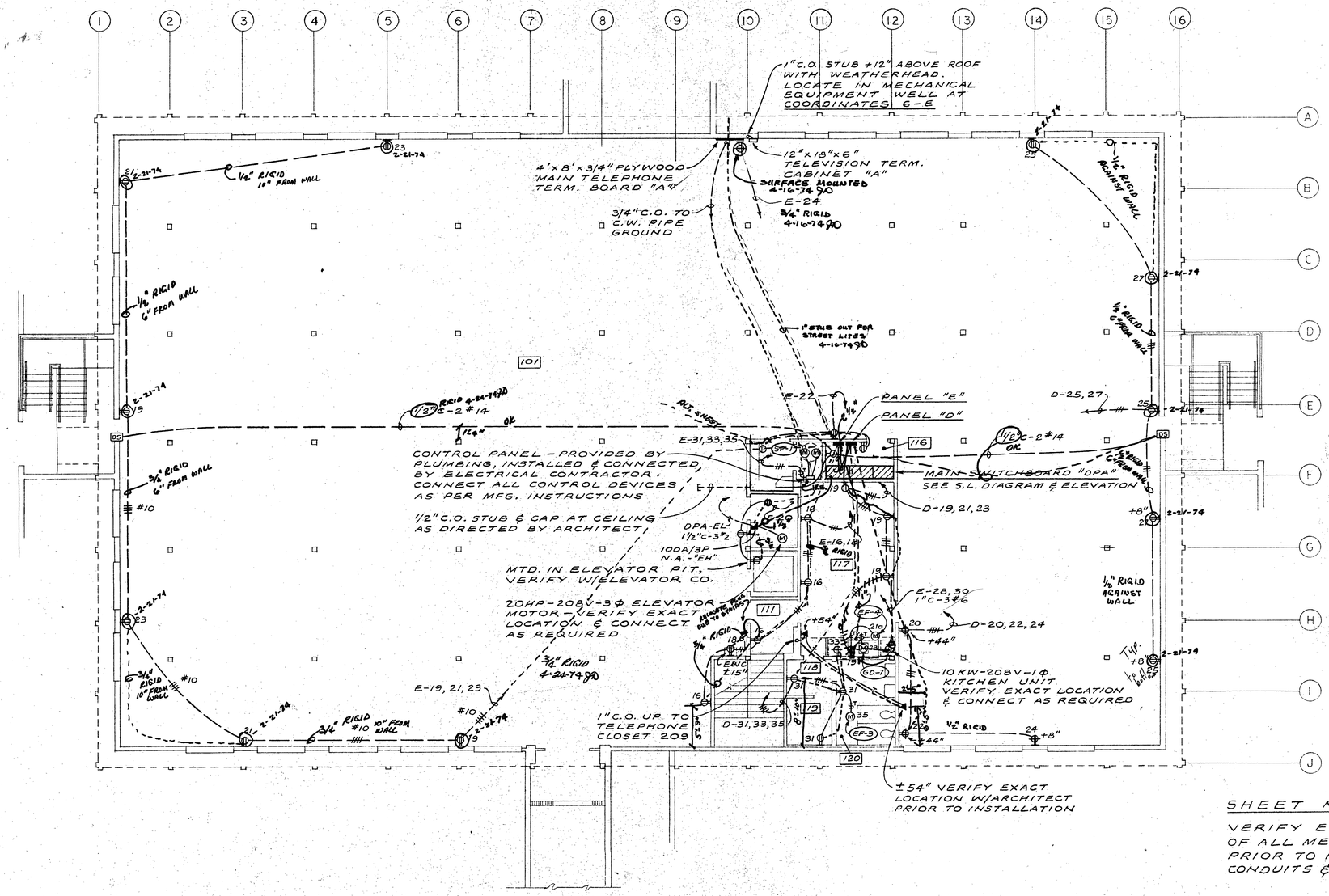
SHEET NO. E-6 OF 10



LEGEND

O = CONDUIT &/OR BOXES ONLY

⊗ = WIRING PULLED

P = PLUGS, SWITCHES & FACE PLATES COMP

U.G. RIGID CONDUIT COMP 4-24-74 SD

SHEET NOTE:

VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO INSTALLATION OF CONDUITS & CONNECT AS REQUIRED

LOWER LEVEL POWER & SIGNAL PLAN - BASE BID

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

N

JOB: G7-1981	
DATE: 5-22-75	
DRAWN: J.C.C.	
CHECKED: J.A.D.	
APPROVED: J.D.T.	

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LOWER LEVEL POWER & SIGNAL PLAN BASE BID

SHEET NO. E-7 OF 10

PANEL SCHEDULE: "A"

MAIN BUS: 225 AMP 120/208 VOLT 3 φ 4 W
TYPE "NLAB" TRIM FLUSH W/RELAY CAB. ABOVE

CIR. Nº	BKR. AMP	BKR. POLE	Nº OF OUTLETS LTG.	REC.	MISC.	TYPE OF LOAD AND LOCATION	VOLT — AMPS "A"	"B"	"C"
1	20	1	4			UPPER LEVEL	1400		
3			4					1400	
5			4						1400
2			4				1400		
4			3					1100	
6			3						1100
7			6				1200		
9			5					800	
11			2						900
8			3				900		
10			3					800	
12			4						1200
13			2				900		
15			3					900	
17			3						900
14			4				1200		
16			6					1400	
18			6						1100
19			3				900		
21			3					900	
23			3						900
20			6				1100		
22			6					1400	
24			6						1400
25			2				1200		
27			2					1200	
29			9						1500
26			4				800		
28			6					1200	
30			6						1200
31			8				1600		
33			3					1400	
35						SPARE			1000
32							1000		
34								1000	
36									1000
37						SPACE			
39									
41									
38									
40									
42									
TOTAL VOLT-AMPS PER PHASE							13600	13500	13600

TOTAL LOAD 40.7 KVA. MAX. φ = 114 AMPS

NOTE:
CIRCUITS 1 THRU 12 ON RELAY "R1" ASCO #166120-120V
CIRCUITS 13 THRU 23 ON RELAY "R2" ASCO #166120-120V
RELAYS SHALL BE CONTROLLED BY $M1.
MOUNT RELAYS ON SHOCK ABSORBERS ABOVE PANEL ENCLOSURE WITH SEPARATE HINGED DOOR & CAPTIVE SCREWS.

PANEL SCHEDULE: "B"

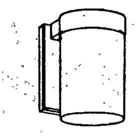
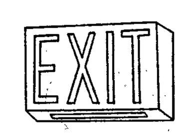
MAIN BUS: 225 AMP 120/208 VOLT 3 φ 4 W
TYPE "NLAB" TRIM FLUSH W/RELAY CAB. ABOVE

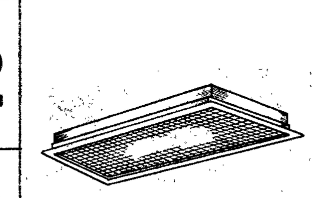
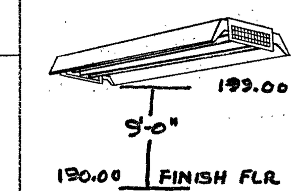
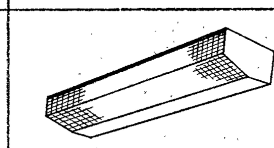
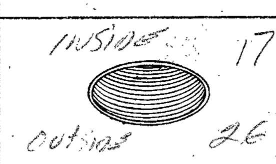
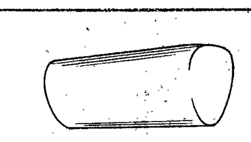
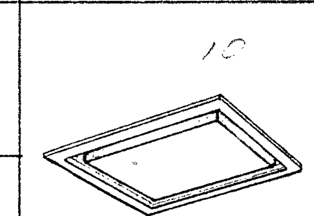
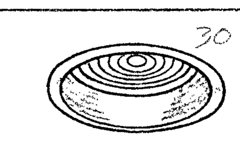
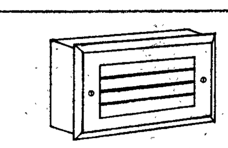
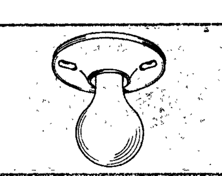
CIR. Nº	BKR. AMP	BKR. POLE	Nº OF OUTLETS LTG.	REC.	MISC.	TYPE OF LOAD AND LOCATION	VOLT — AMPS "A"	"B"	"C"
1	20	1	4			UPPER LEVEL	1200		
3			3					800	
5			3						900
2			6				1300		
4			4					1200	
6			3						900
7			3				900		
9			3					900	
11			5						1000
8			4				600		
10			3					900	
12			3						900
13			6				900		
15				1				1200	
17			4	1					1000
14			5				1200		
16			2					800	
18						SPARE			1000
19			5			N.L.	800		
21			5			N.L.		800	
23			6			EXIT LTS.			600
20				4			800		
22				3				600	
24				3					600
25				1			1500		
27					1	(C-1)		1200	
29	15				1	(CP-1)			500
26	20					SPARE	1000		
28								1000	
30									1000
31							1000		
33	30	2			1	WATER HEATER		2300	
35						(WH-1)			2300
32	20	1			1	MECHANICAL CONTROL	1000		
34						PANEL		1000	
36					1	(EF-1)			600
37						SPACE			
39									
41									
38	20	1				(EF-2)	600		
40						SPACE			
42									
TOTAL VOLT-AMPS PER PHASE							12800	12700	11300

TOTAL LOAD 36.8 KVA. MAX. φ = 107 AMPS

NOTE:
CIRCUITS 1 THRU 12 ON RELAY "R3" ASCO #166120-120V CONTROLLED BY $M2. MOUNT RELAY ON SHOCK ABSORBERS ABOVE PANEL ENCLOSURE W/SEPARATE HINGED DOOR & CAPTIVE SCREWS.

FIXTURE SCHEDULE

TYPE	SKETCH	DESCRIPTION	FINISH	MANUFACTURER	LAMP
N		WALL MTD. INCANDESCENT FIXTURE WITH THERMOPAL GLASS DIFFUSER.	STD.	PRESCOLITE WB-28	150A
P	—	LUMINOUS FLUORESCENT CEILING SEE ALTERNATE 'F' SPEC. SECTION A-3	—	SEE SPECIFICATIONS	F40CW
X		CEILING MTD. INCANDESCENT EXIT LIGHTING FIXTURE WITH METAL STENCIL FACE, 6" GREEN LETTERS, DOWNLIGHTING AND 120 VOLT AUXILIARY EMERGENCY LAMPHOLDER PAINTED RED.	AS SEL.	PRESCOLITE 75212-SP WITH 1-79112	3-20T 6-1/2 DC/1F
X1		SIMILAR TO FIXTURE TYPE "X" EXCEPT RECESSED MTD.	AS SEL.	PRESCOLITE 71412-SP WITH 1-79118 & 1-79112	2-40A 1-20T 6-1/2 DC/1F

TYPE	SKETCH	DESCRIPTION	FINISH	MANUFACTURER	LAMP
A		RECESCENT MTD. AIR-HANDLING FLUORESCENT FIXTURE WITH K12 ACRYLIC REGRESSED DIFFUSER AND HINGED DOOR. 2' x 4' - 3 LAMPS.	STD.	COLUMBIA DP-14884-52-243	3-F40CW
A1		SIMILAR TO FIXTURE TYPE "A" EXCEPT 2' x 2' - 2 U-SHAPE LAMPS.	STD.	COLUMBIA DP-14884-52-222U	2-F40CW/U
A2		SIMILAR TO FIXTURE TYPE "A" EXCEPT 2' x 4' - 4 LAMPS.	STD.	COLUMBIA DP-14884-52-244	4-F40CW
A3		SIMILAR TO FIXTURE TYPE "A2" (2' x 4' - 4 LAMPS) EXCEPT SHALL BE WIRED SO THAT 2 LAMPS CONTROLLED WITH ONE SWITCH AND 2 LAMPS WITH A SECOND SWITCH.	STD.	COLUMBIA DP-14884-52-244-SP	4-F40CW
A4		SIMILAR TO FIXTURE TYPE "A2" EXCEPT NOT AIR-HANDLING 2' x 4' - 4 LAMPS.	STD.	COLUMBIA 5115-52-244	4-F40CW
A5		SIMILAR TO FIXTURE TYPE "A4" EXCEPT 1' x 4' - 2 LAMPS.	STD.	COLUMBIA 5115-52-142	2-F40CW
B		PENDANT MTD. FLUORESCENT FIXTURE WITH BAKED WHITE ENAMEL SYMMETRIC REFLECTOR AND STEM HANGERS AS REQUIRED, MTG. HEIGHT AS DIRECTED BY ARCHITECT. 9'-0" TO BOTTOM OF UNIT	STD.	DAY-BRITE 45295-8 WITH R7124ESA-SP HANGERS	4-F40CW
B1		SIMILAR TO FIXTURE TYPE "B" EXCEPT 1' x 4' - 2 LAMPS.	STD.	DAY-BRITE 45295-4 WITH R7124ESA-SP HANGERS	2-F40CW
C		UNDER-CABINET MTD. FLUORESCENT FIXTURE WITH PRISMATIC ACRYLIC DIFFUSER.	STD.	ALKCO 340H	1-F40CW
D		RECESSED MTD. INCANDESCENT FIXTURE WITH ONE-PIECE BLACK MILLIGROOVE BAFFLE.	STD.	INC/Halo PRESCOLITE 1220-920 90 PAR38/HAL/FL28	150 PAR/FL
E		WALL MTD. INCANDESCENT FIXTURE WITH SATIN THERMOPAL GLASS DIFFUSER (MOUNTED ABOVE MIRROR + 7'-0" APPROX.)	STD.	PRESCOLITE WB-19	2-100A
F		RECESSED MTD. INCANDESCENT FIXTURE WITH STEPPED REGRESSED TRIM, DROP OPAL GLASS DIFFUSER AND SEALING GASKETS.	STD.	PRESCOLITE 1313HM-3-SP	200A
F1		SIMILAR TO FIXTURE TYPE "F" EXCEPT SIZE.	STD.	Halogen PRESCOLITE 1015RM-3-SP 150A-135A/EW	150A
G		RECESSED MTD. INCANDESCENT FIXTURE WITH STEPPED REGRESSED TRIM, FRESNEL LENS AND SEALING GASKETS.	STD.	Incandescent/Halogen PRESCOLITE 90AM-71-SP 150A-135A/EW	200A
H		WALLBRACKET DOWNLIGHT WITH ONE-PIECE BLACK MILLIGROOVE BAFFLE.	AS SEL.	PRESCOLITE 1156-920-SP	150 PAR/FL
J		RECESSED MTD. WEATHERPROOF STEPLIGHT WITH CAST ALUMINUM HOUSING, GASKETS AND "DOLLAR SAVER".	STD.	PRESCOLITE 376-1 WITH #5 AND 37C- 3/4" BOX	2-40A
K		RECESSED MTD. INCANDESCENT FIXTURE WITH STEPPED REGRESSED TRIM. LAMPHOLDER SHALL BE PAINTED RED, PROVIDE PERMANENT LABEL READING "MAXIMUM LAMP SIZE 30 WATTS".	STD.	PRESCOLITE 20HM-SP	30R20
L		SURFACE MTD. INCANDESCENT KEYLESS SOCKET PORCELAIN LAMPHOLDER. Compact Flourescent Earth Light Universal SLS 25	STD.	100A-90A/EW ALABAX AL-3141 INC/Halo	100A
M	SEE DETAIL H / E-2	POST TOP MTD. MERCURY LUMINAIRE WITH 21" DIA. SPHERICAL OPAL ACRYLIC GLOBE, BUILT-IN H.P.F. CONSTANT WATTAGE BALLAST AND EXTRUDED ALUMINUM ANODIZED POLE.	AS SEL.	STERNER GJA-21-100M-55550-SP	H38-4JA/DX/E
M1		SIMILAR TO FIXTURE TYPE "M" EXCEPT POLE SHALL BE CUT TO MATCH HEIGHT OF FIXTURE TYPE "M".	AS SEL.	STERNER GJA-21-100M-55550-SP	H38-4JA/DX/E

PANEL SCHEDULE: "D"

MAIN BUS: 225 AMP 120/208 VOLT 3 φ 4 W
TYPE "NLAB" TRIM SURFACE W/RELAY & T.SW. CABINETS ABOVE

CIR. Nº	BKR. AMP	BKR. POLE	Nº OF OUTLETS LTG.	REC.	MISC.	TYPE OF LOAD AND LOCATION	VOLT — AMPS "A"	"B"	"C"
1	20	1	7			OUTSIDE	1100		
3			7					1100	
5			7						1100
2			6				800		
4			6					800	
6			6						800
7			2				1000		
9			2					1000	
11			3						1000
8						SPARE	1000		
10								1000	
12									1000
13			5			LOWER LEVEL	1200		
15			5					900	
17			5						700
14			1				1200		
16			1					1400	
18			1						1400
19				4			800		
21					1	(EF-4)		600	
23					1	(GD-1)			1200
20				1			1000		
22				1				1000	
24				1					1000
25				3			600		
27				2				600	
29			12						1200
26			3		1		1000		
28				3				600	
30					1	(EF-5)			600
31				3			600		
33				1				600	
35					1	(EF-3)			600
32						SPARE	1000		
34								1000	
36									1000
37						SPACE			
39									
41									
38									
40									
42									
TOTAL VOLT-AMPS PER PHASE							11300	10600	11600

TOTAL LOAD 33.5 KVA. MAX. φ = 97 AMPS

NOTE:
CIRCUITS 2,4,5,7,9 ON RELAY "R4" ASCO #16680-120V
CIRCUITS 1,3,6,11 ON RELAY "R5" ASCO #16680-120V
RELAYS SHALL BE CONTROLLED BY PHOTOCELL & TIME SWITCH TORK #T-902L ("R4" DUSK TO DAWN - "R5" PHOTOCELL ON, TIME SWITCH OFF)
MOUNT RELAYS & TIME SWITCH ABOVE PANEL ENCLOSURE W/SEPARATE HINGED DOORS.
RELAYS SHALL BE MOUNTED ON SHOCK ABSORBERS.

PANEL SCHEDULE: "E"

MAIN BUS: 225 AMP 120/208 VOLT 3 φ 4 W
TYPE "NLAB" TRIM SURFACE W/RELAY CAB. ABOVE

CIR. Nº	BKR. AMP	BKR. POLE	Nº OF OUTLETS LTG.	REC.	MISC.	TYPE OF LOAD AND LOCATION	VOLT — AMPS "A"	"B"	"C"
1	20	1	1			LOWER LEVEL	1000		
3			1					1000	
5			1						1000
2			1				1000		
4			1					900	
6			1						1000
7			1				1200		
9			1					1200	
11			1						1100
8			1				1100		
10			1					1200	
12			1						1200
13			1				1200		
15			1					1200	
17			1						1100
14			3			EXIT LTS.	600		
16				4				800	
18	15			1		(EWC)			500
19	20			2			600		
21				2				600	
23				2					600
20				3			600		
22				3				800	
24				1					600
25						SPARE	1000		
27								1000	
29									1000
26							1000		
28	50	2			1	KITCHEN UNIT		5000	
30									5000
31							1500		
33	20	3			1	(SP-1)		1500	
35									1500
32	20	1				SPARE	1000		
34								1000	
36									1000
37						SPACE			
39									
41									
38									
40									
42									
TOTAL VOLT-AMPS PER PHASE							11800	16200	15600

TOTAL LOAD 43.6 KVA. MAX. φ = 135 AMPS

NOTE:
CIRCUITS 1 THRU 6 ON RELAY "R6" ASCO #16660-120V CONTROLLED BY $M3.
CIRCUITS 7 THRU 13,15 & 17 ON RELAY "R7" ASCO #166100-120V CONTROLLED BY $MP4. MOUNT RELAYS ON SHOCK ABSORBERS ABOVE PANEL ENCLOSURE W/SEPARATE HINGED DOOR & CAPTIVE SCREWS. IN RELAY CABINET PROVIDE SPACE FOR ONE FUTURE RELAY ASCO #16660.

FIXT. & PNL. SCHEDULES

JOB: G7-188L
DATE: 5-22-73
DRAWN: CC
CHECKED: MD
APPROVED: JDT

REVISIONS

JACK D. TODD, INC.
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EE 5418 - PROJECT 73003

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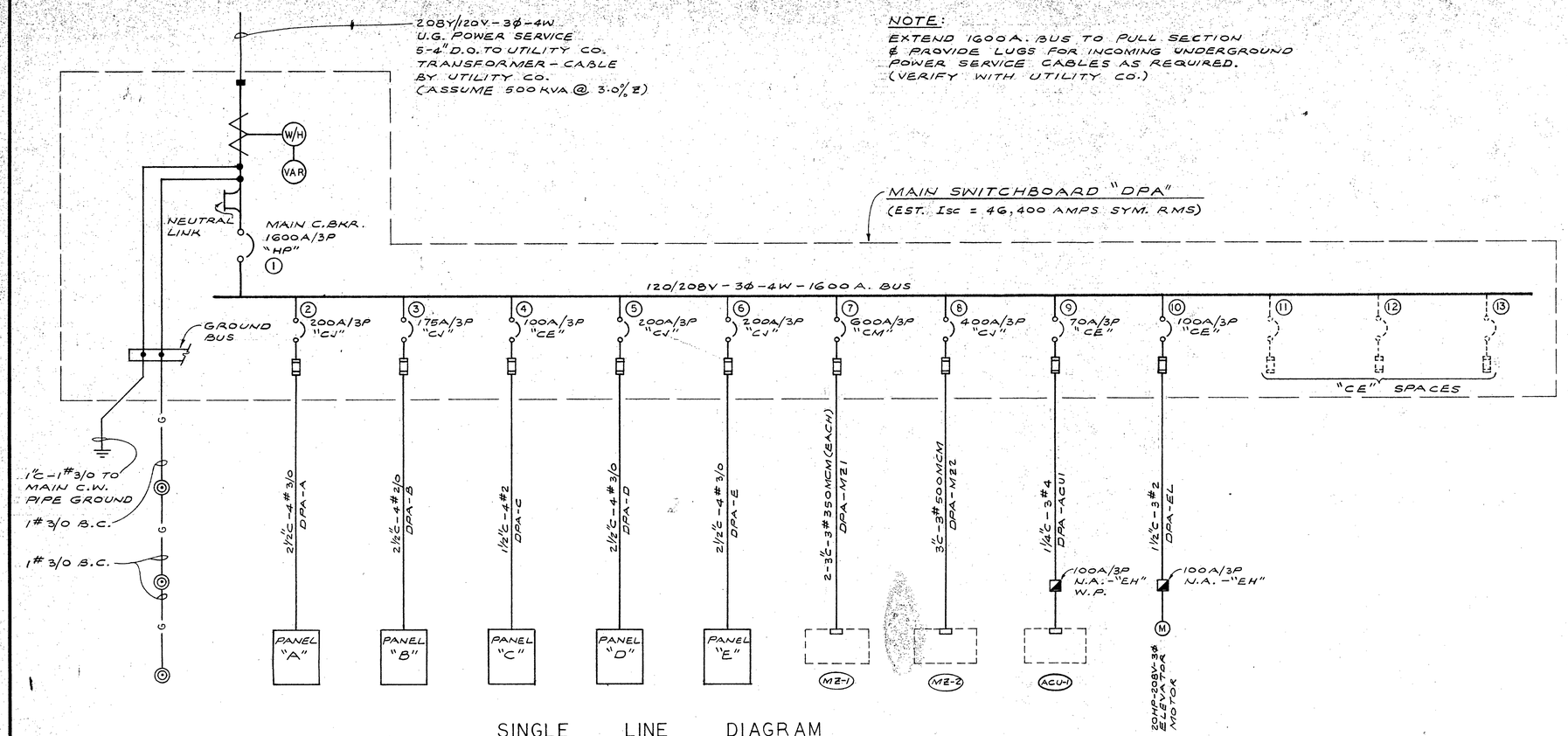
SHEET NO.
E-8
OF 10



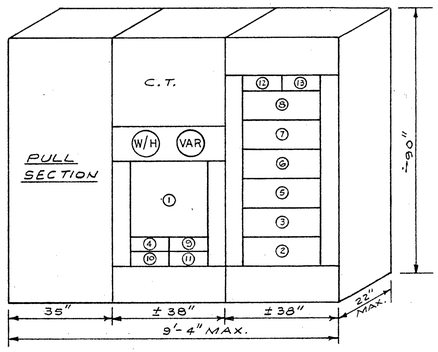
SINGLE LINE DIAGRAM

POWER SCHEDULE

ITEM NO.	APPR. QTY.	DESCRIPTION	RATING HP KVA	VOLTS	Φ	W	CONTROL & STARTERS FURN. BY	INST. BY	REMARKS
MZ-1	1	MULTIZONE UNIT	395 AMPS	208	3	3	M.S.	E.S.	SEE NOTE 1
MZ-2	1	" "	250 AMPS						1
ACU-1	1	AIR CONDITION. UNIT	37 AMPS						2
EF-1	1	EXHAUST FAN	1/4	120	1	2	E.S.		
EF-2	1		1/4						
EF-3	1		1/4						
EF-4	1		1/8						
EF-5	1		1/4						
SP-1	1	SUMP PUMP (2-1½ HP MOTORS)	3	208	3	3	M.S./E.S.		SEE NOTE 3
WH-1	1	H.W. HEATER	4.5 KW	208	1	3			
CP-1	1	CIRCULATION PUMP	1/12	120		2			
C-1	1	COMPRESSOR FOR ELECTRIC WATER COOLER	1/2						
GD-1	1	GARBAGE DISPOSAL	1/2						

NOTES:

1. PACKAGED EQUIPMENT COMPLETE WITH MAIN DISCONNECT, STARTERS & CONTROL PANEL. E.S. SHALL PROVIDE POWER & CONNECT AS REQUIRED.
2. PACKAGED EQUIPMENT COMPLETE WITH STARTERS & CONTROL PANEL. E.S. SHALL PROVIDE POWER, MAIN DISCONNECT & CONNECT AS REQUIRED.
3. PACKAGED EQUIPMENT COMPLETE WITH CONTROL PANEL & STARTERS. E.S. SHALL PROVIDE MAIN DISCONNECT, ALL EXTERNAL WIRING & MAKE ALL LINE & CONTROL VOLTAGE CONNECTIONS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



ELEVATION – MAIN SWITCHBOARD "DPA"

N.T.S.

SINGLE LINE DIAGRAM & ELEVATION

SHEET NO. E-9 OF 10

JOB NO. 67-185L
DATE: 5-22-73
DRAWN: J.S.B.
CHECKED: MD
APPROVED: MDT

REVISIONS

JACK D. TODD, INC.
ELECTRICAL ENGINEER
SAN JOSE, CALIFORNIA 295-4526
EE 6410 PROJECT 73003

THE OFFICE OF
WILLIAM W. HEDLEY JR.
architect a.i.a.
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CAMPBELL, CALIFORNIA 379-7484

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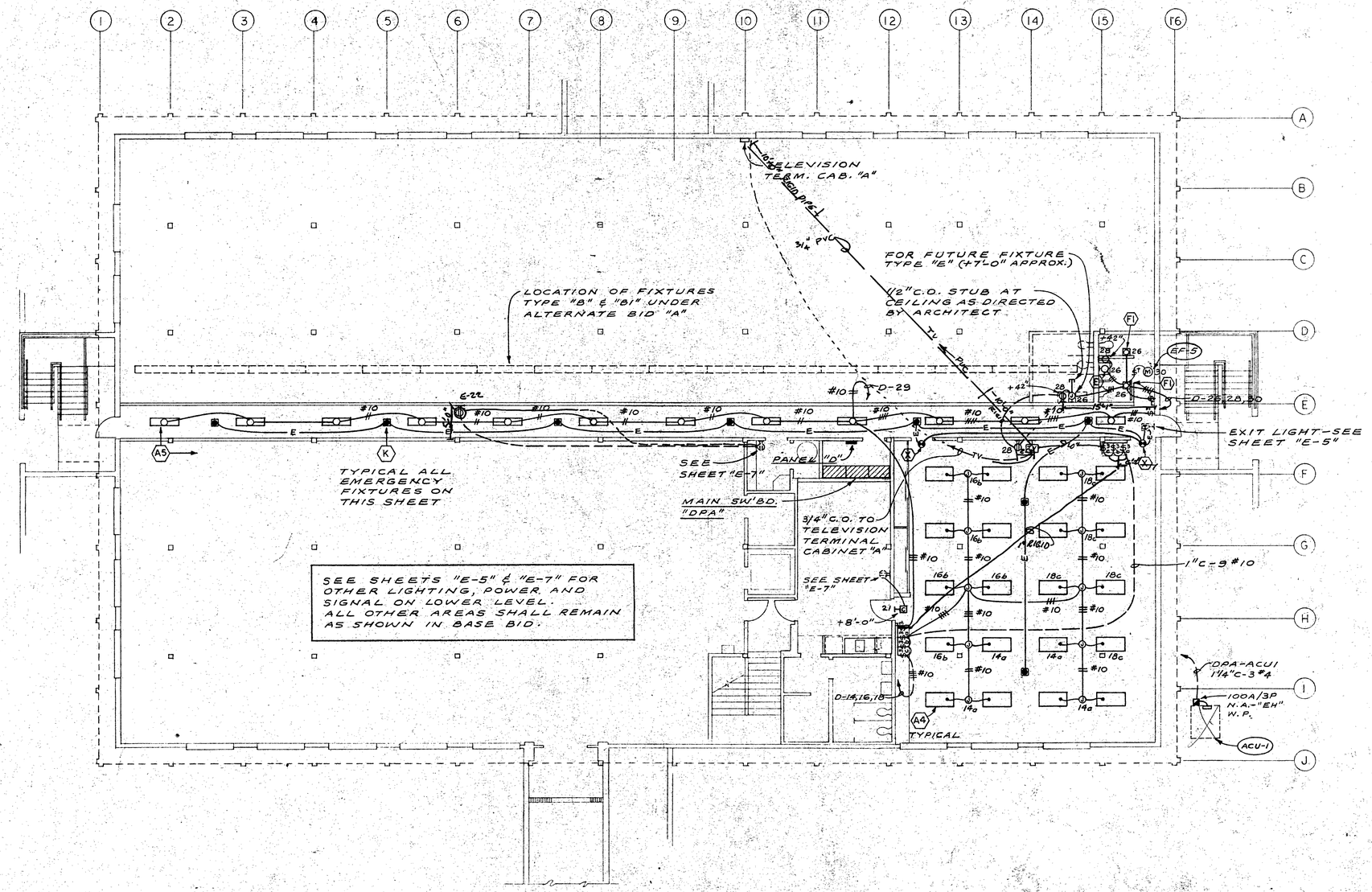

U.G. CONDUIT INSPECTED
JOINTS TIGHT & WRAPPED
RUNS STAKED & STABILIZED
APRIL 24, 1974

LOWER LEVEL LIGHTING & POWER PLAN - ALTERNATE "A"
SCALE: 1/8" = 1'-0"

LOWER LEVEL
LIGHTING & POWER
PLAN-ALTERNATE "A"

JOB: 67-188L
DATE: 5-22-73
DRAWN: CC
CHECKED: MD
APPROVED: JDT

REVISIONS

JACK D. TODD, INC.
ELECTRICAL ENGINEER
SAN JOSE, CALIFORNIA 295-4526
EE 2418 PROJECT 73003

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