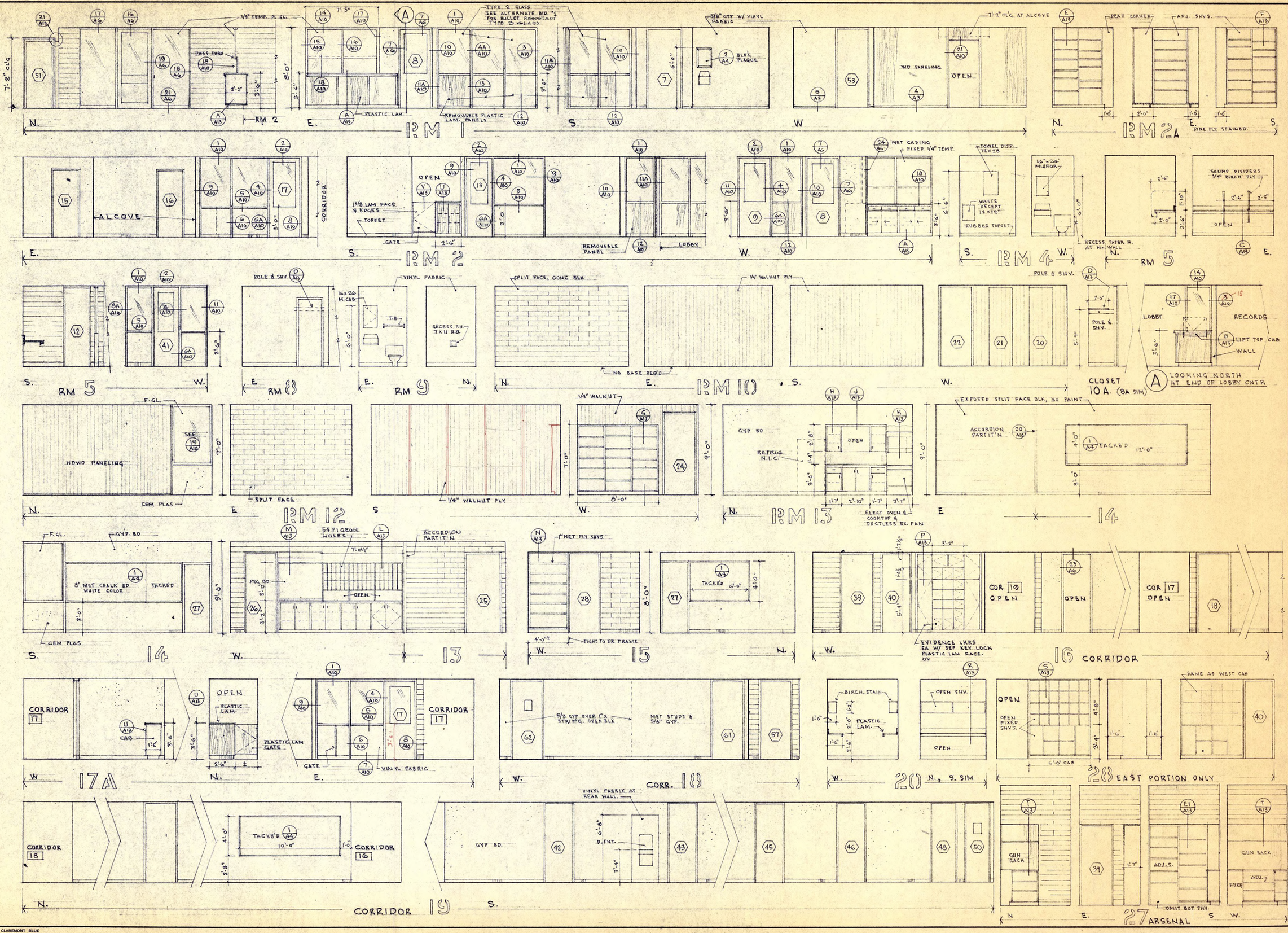

CRILEY & MC DOWELL ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING

1281 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

Frank W. McDowell C2023

REVISIONS

NO.	DATE

DRAWN BY

CHECKED BY

INTERIOR ELEVATIONS 1/4"=1'-0"

POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
370 W. BONITA AVE. CLAREMONT, CALIF.

DATE 6-22-73
JOB NO. 877
SHEET NO. A11

CLAREMONT BLUE

RM 22

RM 32

RM 33

RM 35

RM 37

RM 44

RM 45

RM 66

RM 67

1 COUNTER AT JAILER & BOOKING
3" = 1'-0"

2 COUNTER AT RMS 38 & 39
3" = 1'-0"

3 CONC. BENCH AT BOOKING RM 62
3" = 1'-0"

4 CEMENT BASE @ MONOLITHIC FL.

5 CEMENT BASE AT TOPPING FLOOR
3" = 1'-0"

NO.	DATE	REVISIONS

CRILEY & MC DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1281 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

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INTERIOR ELEVATIONS 1/4"=1'0

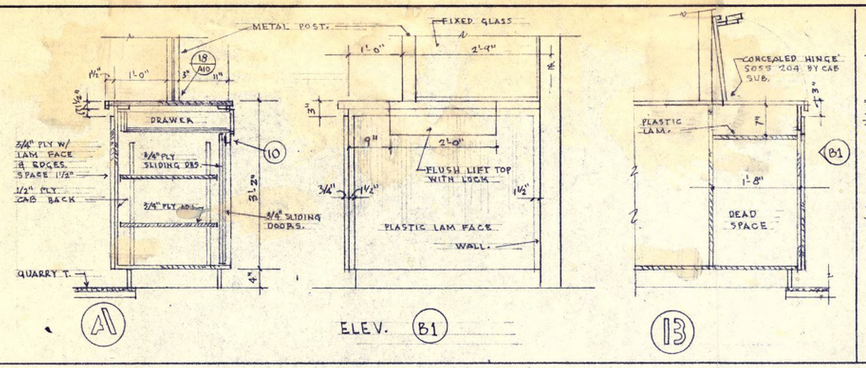
POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
570 W. BONITA AVE. CLAREMONT

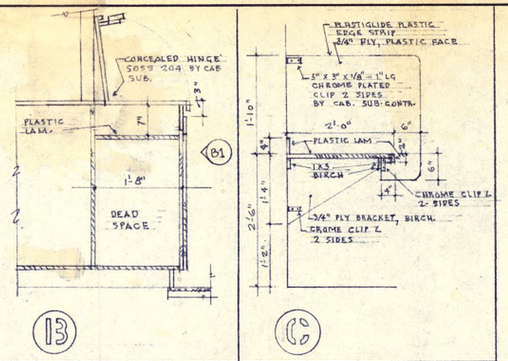
DATE 6-22-73

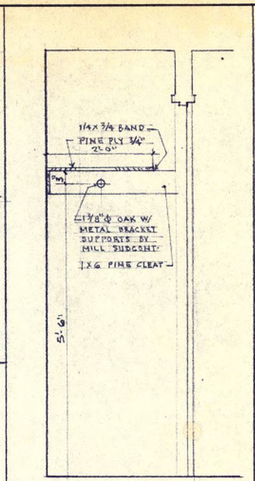
JOB NO. 877

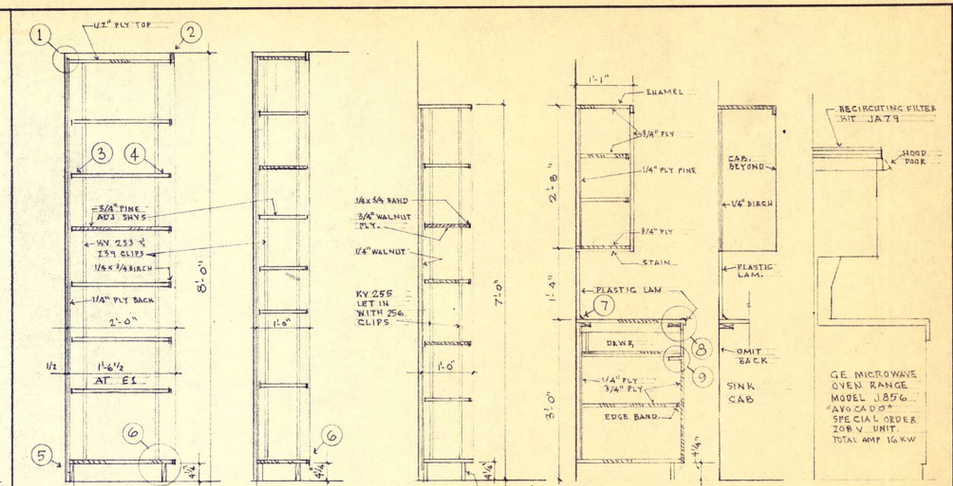
SHEET NO. A12

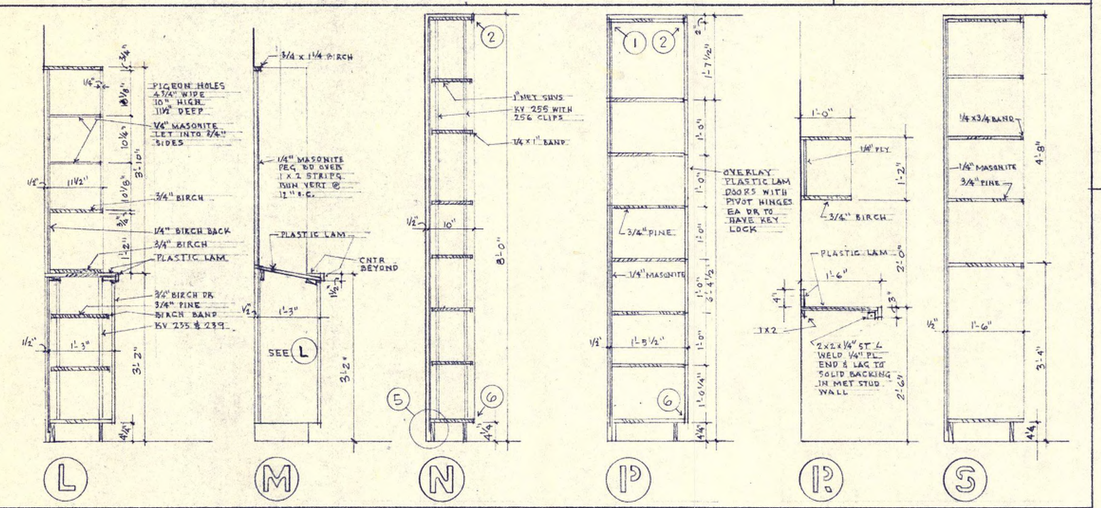
CLAREMONT BLUE

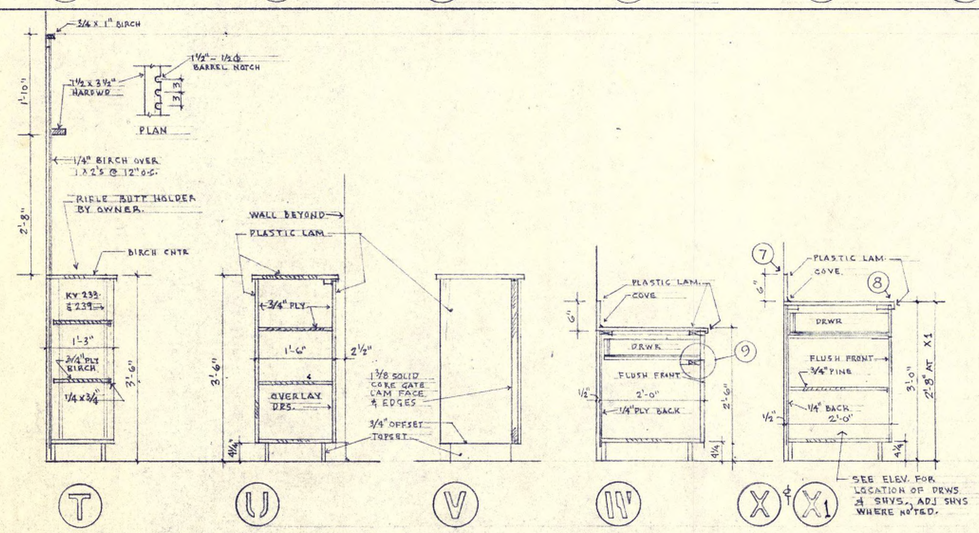




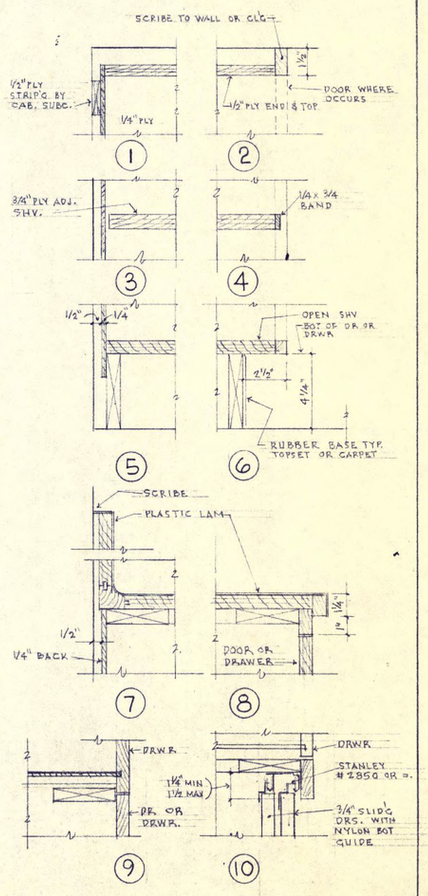








CABINET SECTIONS "A" THRU "X" SCALE 3/4" = 1'-0"



VERTICAL SECTIONS
CABINET DETAILS
SCALE 3" = 1'-0"

CRILEY & Mc DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1281 N. INDIAN HILL BLVD.
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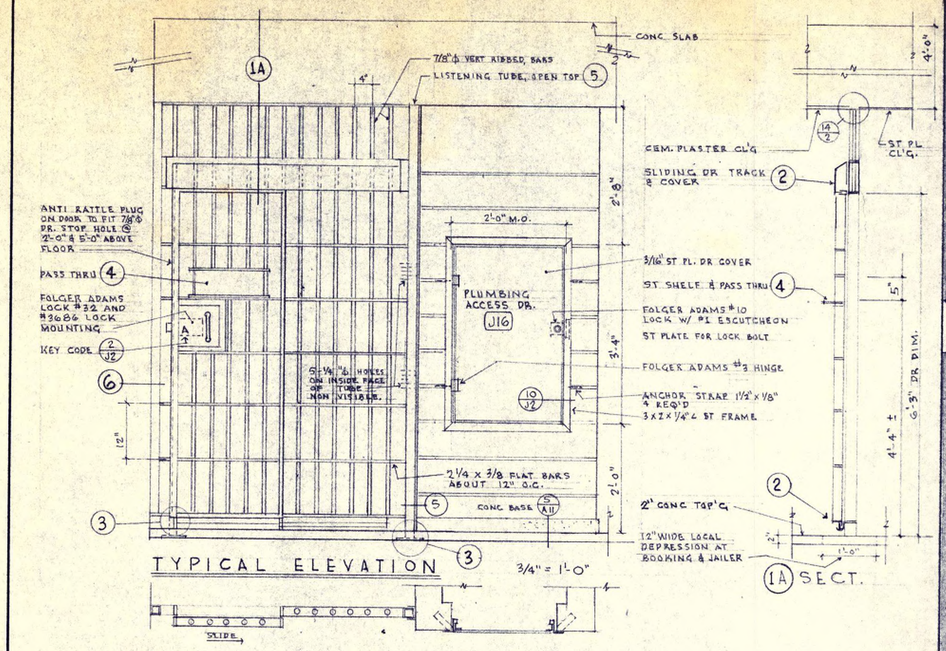
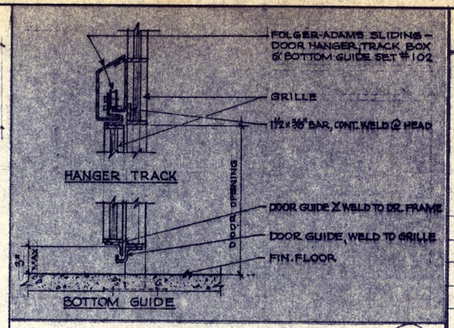
CABINET DETAILS
POLICE FACILITIES BUILDING
for the CITY OF CLAREMONT
570 W. BONITA AVE. CLAREMONT, CALIF.

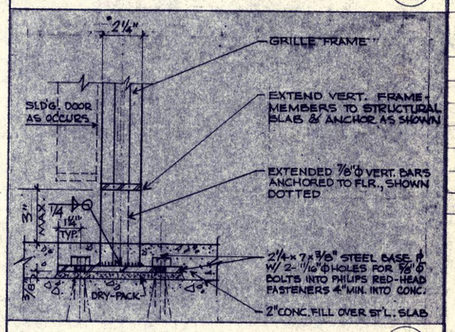
DATE 6-27-73
JOB NO. 877

SHEET NO. A13

CLAREMONT BLUE

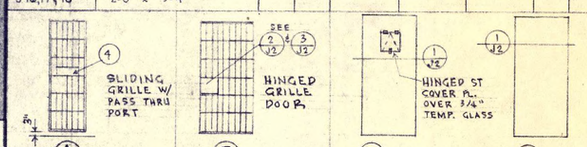


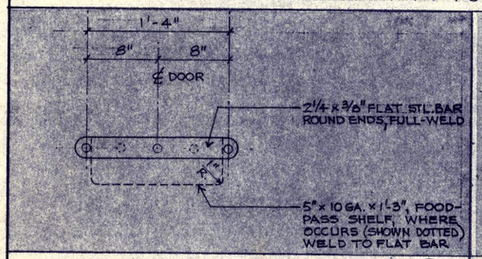


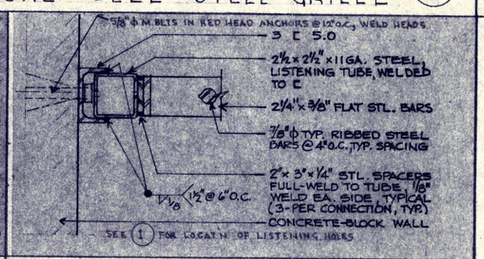


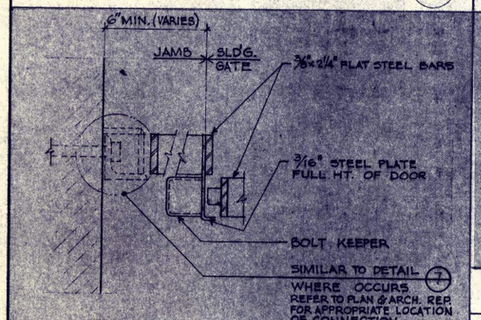
JAIL DOOR SCHEDULE

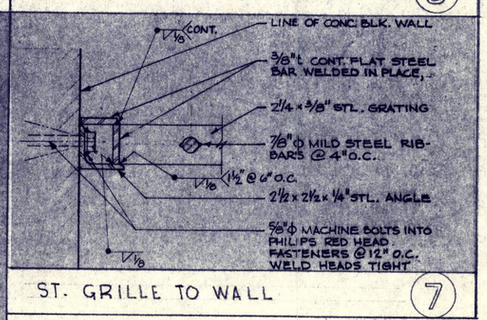
MARK	ROOM	SIZE	TYPE	FRAME	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	LOCKING KEEPER	LOCKING MOUNTING	LOCKING F.A.LOCK	LOCKING KEY	CLOSER	FIRE LABEL	REMARKS
J 1	61	3'-0" x 7'-0"	B	ST.		9&10/J2				120 ALL	A			INTERLOCK WITH DR J-15
J 2	63	2'-6" x 6'-3"	B	ST.	——	9&10/J2			3686 G/G	76	C			
J 3	61	2'-6" x 6'-3"	A	ST.	3	7			JAMB	4-R	B-C			
J 4	61	3'-0" x 6'-8"	D	H.M.	5/J2	1&5/J2			3686	32 76	C			
J 5	70	3'-0" x 6'-8"	C	H.M.	5/J2	1&5/J2			678T	76	C			
J 6	71	3'-0" x 6'-8"	C	H.M.	5/J2	1&5/J2			678T	76	C			
J 7	72	3'-0" x 6'-8"	C	H.M.	5/J2	1&5/J2			678T	76	C			
J 8	70A	2'- x 6'-3"	A	ST	2	6	3		3686	32-D	D			
J 9	70B	2'- x 6'-3"	A	ST	2	6	3		DO	32-D	D			
J 10	71A	2'- x 6'-3"	A	ST	2	6	3		DO	32-D	E			
J 11	71B	2'- x 6'-3"	A	ST	2	6	3		DO	32-D	E			
J 12	72A	2'- x 6'-3	A	ST	2	6	3		DO	32-D	F			
J 13	72B	2'- x 6'-3"	A	ST	2	6	3		DO	32-D	F			
J 14	67	2'-10 x 7'-10	D	H.M.		1&5/J2			687T	82	G			
J 15	60	3'-4" x 7'-10	D	H.M.		1&5/J2				120 ALL	A			
J 16, 17 & 18		2'-0" x 3'-4"								#10	H			









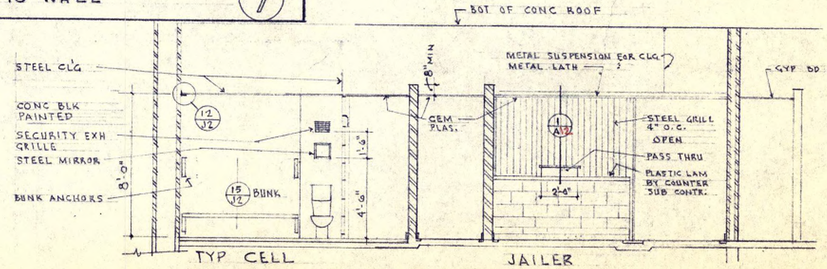


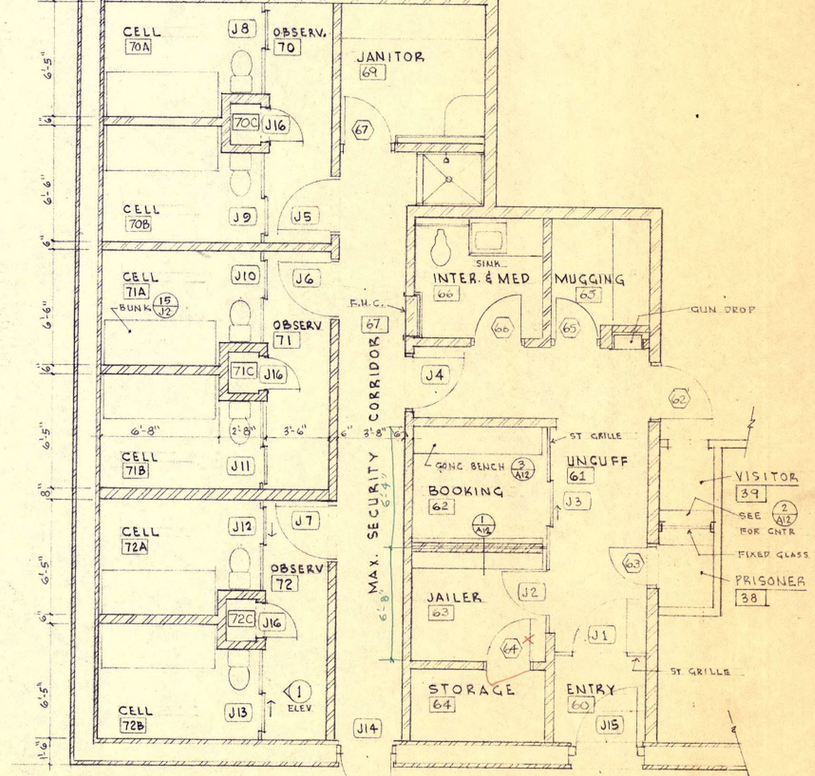
GENERAL NOTES:

1. VERIFIED CONDITIONS AT THE SITE & PLAN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING OF DRAWINGS
2. JAIL EQUIPMENT CONTRACTOR SHALL PROVIDE OWNER WITH FULL SET OF SPANNER TYPE TOOLS TO FIT ALL SECURITY SCREWS, AT JOB COMPLETION.
3. ALL STEEL GRILLE PARTITIONS SHALL BE PAINTED
4. ALL EXPOSED CONC. BLOCK MASONRY & CONC. IN JAIL & HOLDING AREA SHALL BE PAINTED
5. SEE SHT A FOR ALL FLOOR PLAN DIMENSIONS.
6. ALL BUNKS SHALL BE FURNISHED BY OWNER & INSTALLED BY JAIL EQUIPMENT CONTRACTOR.
7. GENERAL CONTRACTOR SHALL ASSIST WITH UNLOADING & STORING OF JAIL EQUIPMENT AT JOB SITE.

JAIL DOOR & FRAME NOTES

1. HOLLOW METAL FRAMES FOR ALL MARK "J" DOORS BY JAIL EQUIPMENT CONTR.
2. HOLLOW METAL FRAMES TO BE 12 GA., PAINT
3. SEE SHT A FOR OTHER THAN "J" DOORS
4. ALL HINGED DOORS LOCKED FROM 2 SIDES TO HAVE CHROME FINISH DOOR PULLS, FOLGER ADAMS #2 OR APPROVED EQUAL, BOTH SIDES.
5. ALL MARK "J" DOORS SHALL HAVE FOLGER ADAMS #5 BUTTS OR APPROVED EQUAL. 3 PER DOOR.





NO. | DATE | REVISIONS

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ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

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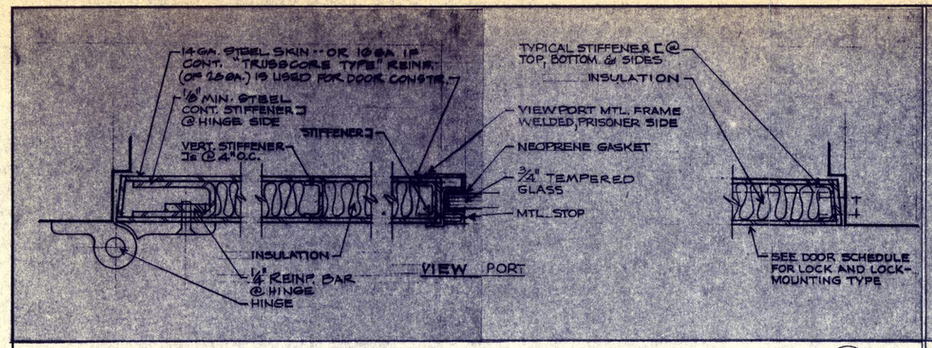
JAIL PLAN & DETAILS
POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
570 W. BONITA AVE CLAREMONT, CALIF.

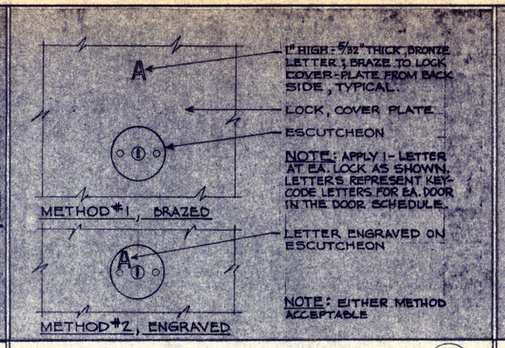
DATE 6-15-73
JOB NO. 877

SHEET NO. J1

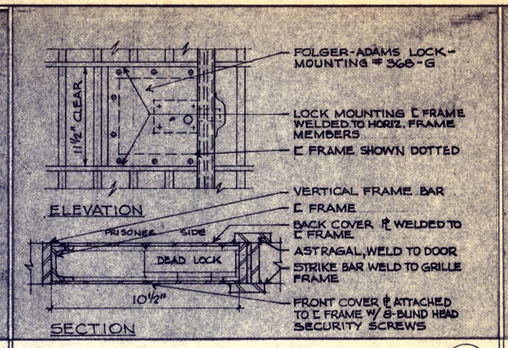
CLAREMONT BLUE



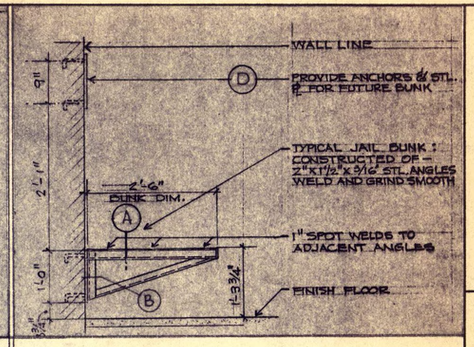
HOLLOW METAL JAIL DOOR (1)



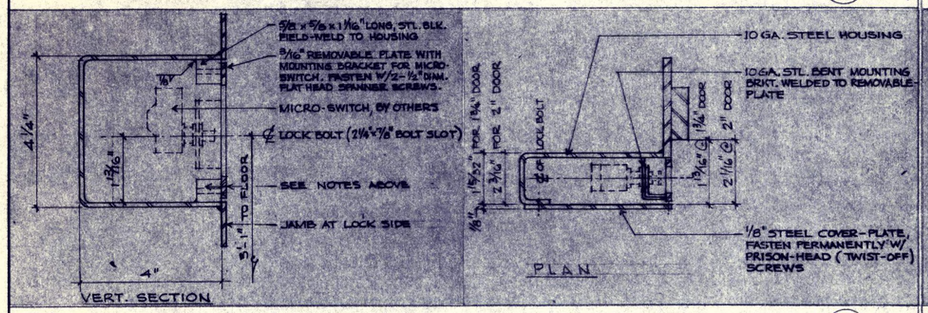
KEY CODE LETTERS AT LOCKS (2)



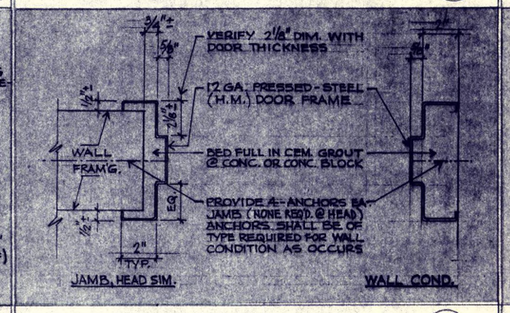
HINGED GRILLE DR & LOCK MNTG STRIKE (3)



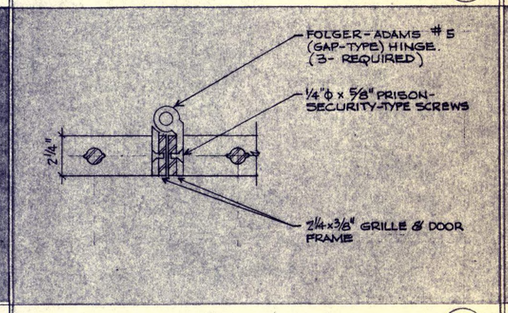
SECTION



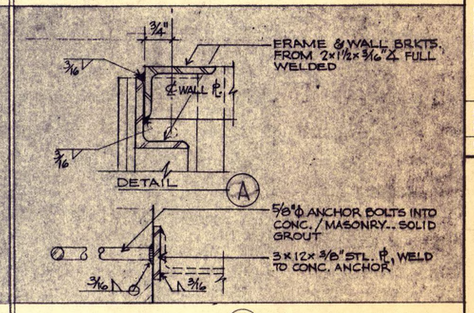
MICRO-SWITCH TAMPER PROOF STL HOUSING & MNTG PLATE AT DR \J-14 (4)



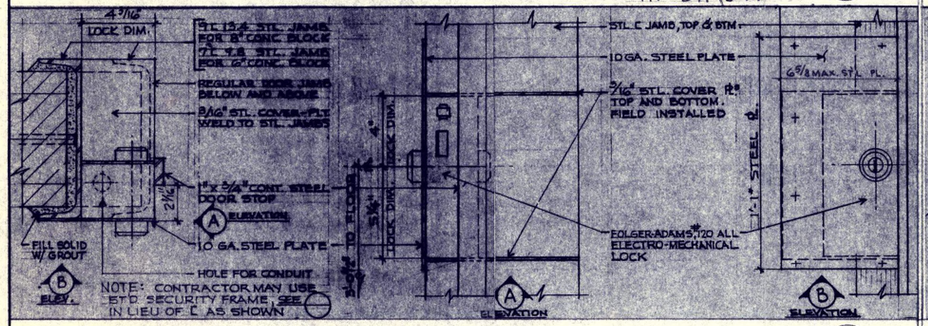
INTERIOR SECURITY DR FRAME (5)
SEE ALSO 13/A8 & 15/A8 FOR DOORS J14 & J15



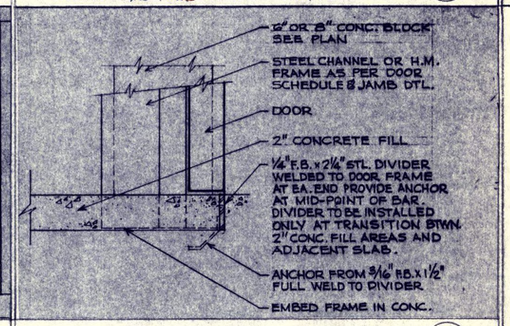
HINGED GRILLE HINGE (6)



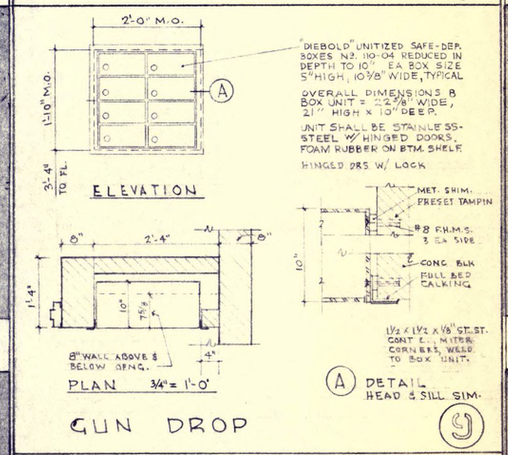
DETAIL (B)



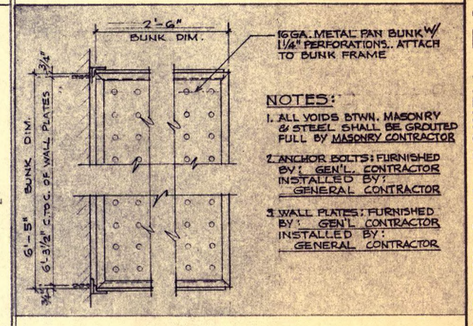
ELECTRO-MECHANICAL DOOR LOCK 120 ALL. (7)



DOOR SILL (8)

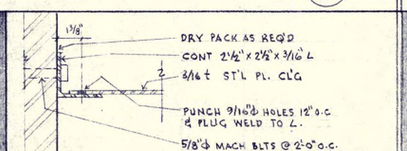


GUN DROP (9)

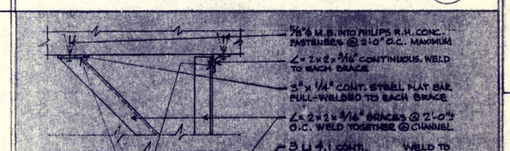


PLAN OF BUNK

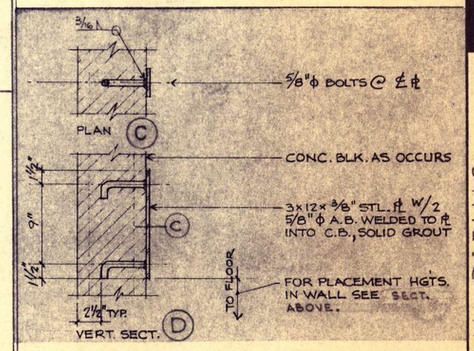
JAMB SHOWN: HEAD & SILL SIM.
PLUMBING ACCESS DOOR (10)



STEEL CL'G TO WALL DETAIL (12)



STEEL GRILLE CL'G CONNECTION (14)
1 1/2" = 1'-0"



CELL BUNK DETAILS (15)

PASS THRU FRAME TO WALL (11)

SPLICE AT STEEL CL'G (13)

CLAREMONT BLUE

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ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1291 N. INDIAN HILL BLVD.
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TELEPHONE (714) 624-3525

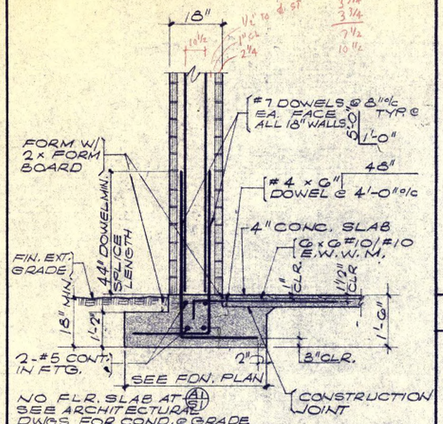
NO.	DATE	REVISIONS

DRAWN BY
CHECKED BY

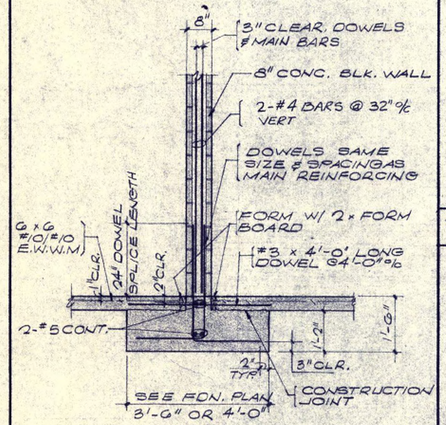
JAIL DETAILS

POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
570 BONITA AVE. CLAREMONT, CALIF.

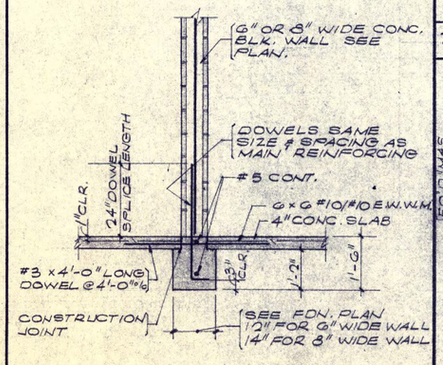
DATE 6-27-73
JOB NO. 877
SHEET NO. J2



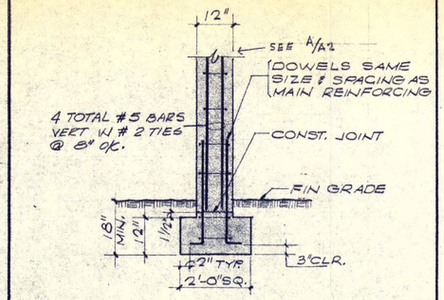
1/2"=1'-0" | A | A1



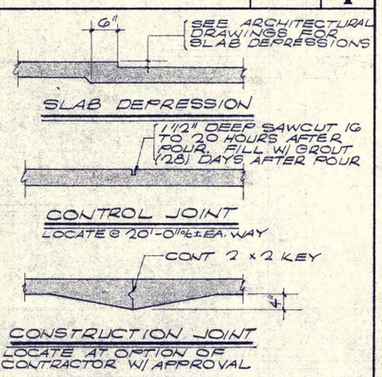
1/2"=1'-0" | B



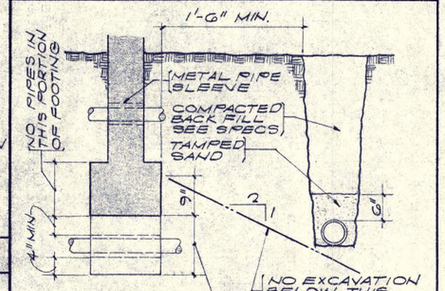
1/2"=1'-0" | C



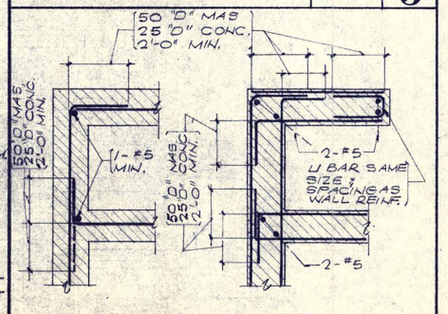
1/2"=1'-0" | 1



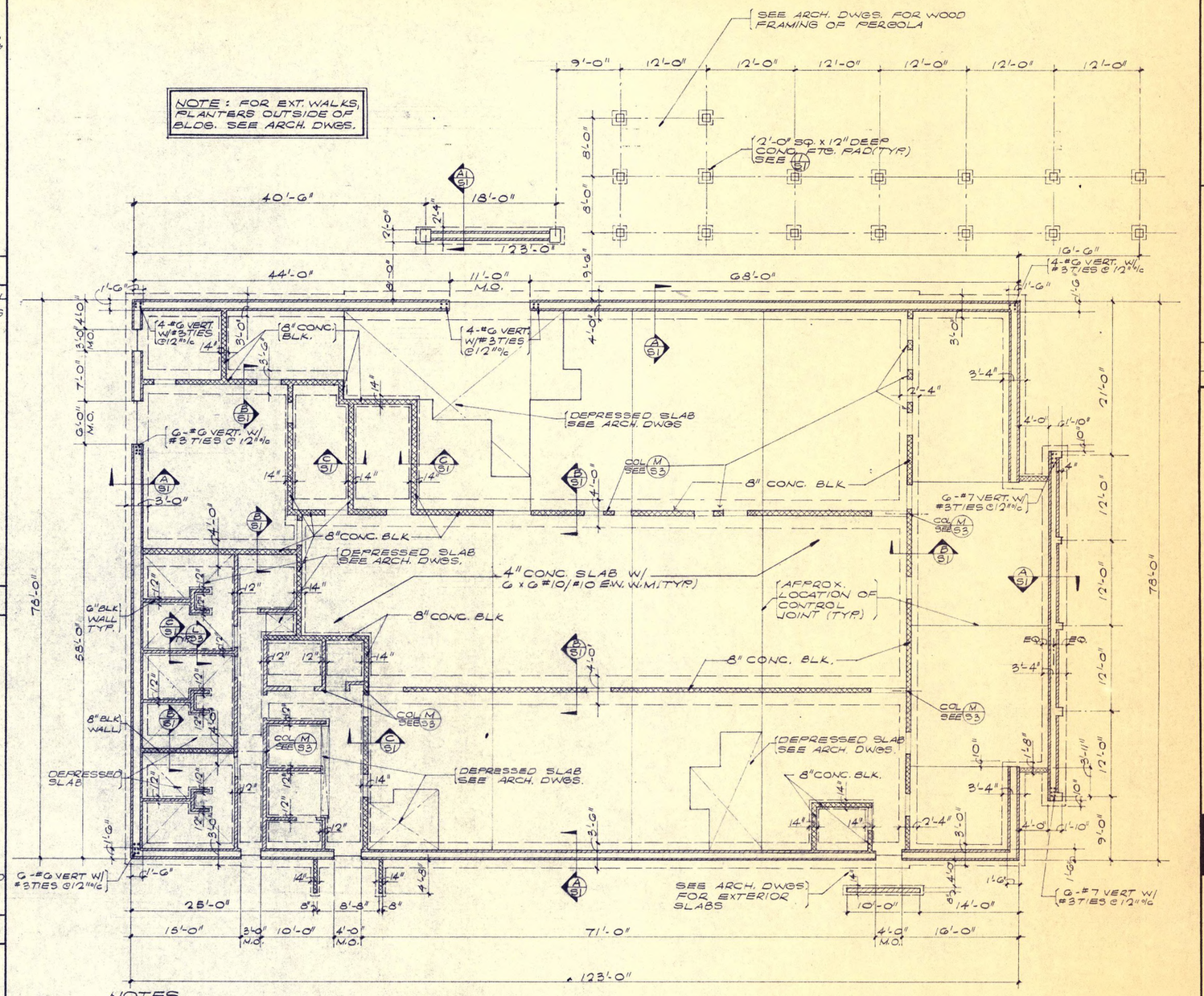
TYP. SLAB ON GRADE | N.T.S. | 2



TYP. PIPES NEAR FTG. | N.T.S. | 3



TYP. REINF. & CORNERS & INTERSECTIONS | N.T.S. | 4



NOTES

1. SEE ARCH. DRWGS. FOR EXACT LOCATIONS OF DEPRESSED SLABS.
2. SEE ARCH. DRWGS. FOR ALL INTERIOR WALL LOCATIONS & DIMENSIONS.
3. SEE ARCH. DRWGS. FOR SPECIAL FACES AT EXPOSED CONC. BLOCK WALLS, BOTH INTERIOR & EXTERIOR.
4. SEE ARCH DRWGS FOR SEPERATE STORAGE BUILDING & GARDEN WALLS

LEGEND

- 18" WIDE MASONRY WALL
- 8" WIDE MASONRY WALL
- G" WIDE MASONRY WALL

FOUNDATION PLAN

1/8"=1'-0"

FRED L. ASHTON
CONSULTING ENGINEER
566 NO. PARK AVE. (714) 622-5484
POMONA, CALIFORNIA

NO.	DATE	REVISIONS

CRILEY & Mc DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1281 N. INDIAN HILL BLVD.
POST OFFICE BOX 1
TELEPHONE (714) 624-3525

DRAWN BY | CHECKED BY

FOUNDATION PLAN.

POLICE FACILITY BUILDING for the CITY OF CLAREMONT
570 W. BONITA AVE. CLAREMONT, CALIF.

DATE 6-12-75
JOB NO. 877

SHEET NO. S-1

CLAREMONT BLUE

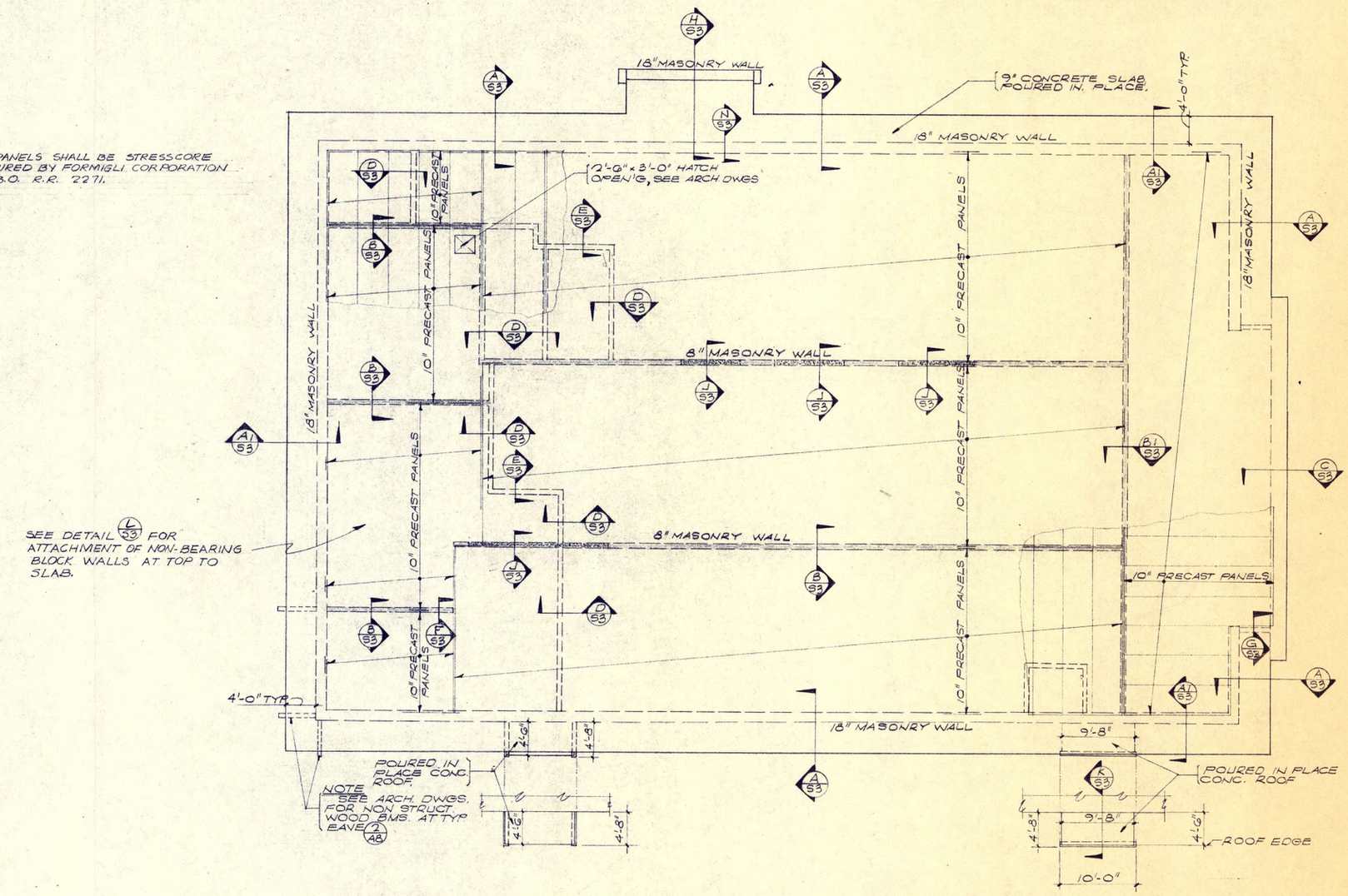
GENERAL NOTES

These Notes Shall Apply Unless Shown Otherwise on Plans

1. All work shall conform to City of Claremont and Los Angeles County Building Codes.
2. Design soil bearing value is 2000 lbs. per sq. ft. for D.L. + L.L.
   See Preliminary Soils Investigation by Hildenbrandt and Associates, dated August 23, 1973.
3. All footings shall rest 18" min. below the lowest adjacent finish Grade.
   All footings shall rest on firm, native soil.
4. Concrete for footings and roof slab shall have a strength of 2000 psi @ 28 days.
   Concrete for floor slab and lintel beams shall have a strength of 3000 psi @ 28 days.
5. Reinforcement for concrete shall be deformed bars of Grade 40 or 60 steel conforming to latest A.S.T.M. Spec. #A615. Bar splices in concrete shall be lap of 25 bar diameters, min. Bar splices in masonry shall be lap of 50 bar diameters. Continous bars shall extend full length of member containing them or be spliced with specified lap. Electrically welded wire mesh shall conform to latest A.S.T.M. Spec. # A185.
6. Concrete cover for reinforcing bars shall be 3" for concrete poured directly against the ground, 2" for concrete exposed to the ground or weather but placed in forms, 1" from top for slabs.
7. Concrete Block shall be Light Weight units conforming to A.S.T.M. Spec. C-90, Grade A units except as shown otherwise. See Specs. and Architects plan.
8. Mortar Mix shall be: 1-cement, 3½ sand, and ¼" lime. Grout Mix shall be: 1-cement, 3 sand, 2-3/8" pea gravel, 1/10 lime and with sufficient water to permit pouring without segregation of constituents. Grout for 6" Block shall be fine grout without pea gravel.
   Grout to be poured in 4'-0" max. lifts.
9. All concrete reinforcement, anchor bolts, and other anchorages to masonry and concrete shall be accurately placed and positively secured and supported by metal chairs, spacers, or metal hangers and shall be in position before concrete or grouting is begun.
10. No structural member shall be cut for pipes, ducts, etc., unless specifically detailed or approved in writing.
11. The contractor shall verify all dimensions on the job.
12. Contractor shall verify all conditions shown on the job. Should conditions exist which are contrary to those shown on plans, then notify Engineer before proceeding.
13. Special Inspection by a Registered Deputy Inspector shall be required for all Masonry and Concrete work.

LAYOUT OF PANELS IS REPRESENTATIVE ONLY: CONTRACTOR TO SUBMIT SHOP DRWGS TO ARCHITECT FOR APPROVAL

10" PRECAST PANELS SHALL BE STRESSCORE AS MANUFACTURED BY FORMIGLI CORPORATION AS PER I.C.B.O. R.R. 2271.



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

FRED L. ASHTON
CONSULTING ENGINEER
566 NO. PARK AVE. (714) 622-5484
POMONA, CALIFORNIA

CRILEY & MC DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE – PLANNING
1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

NO.	DATE	REVISIONS

DRAWN BY

CHECKED BY

ROOF PLAN

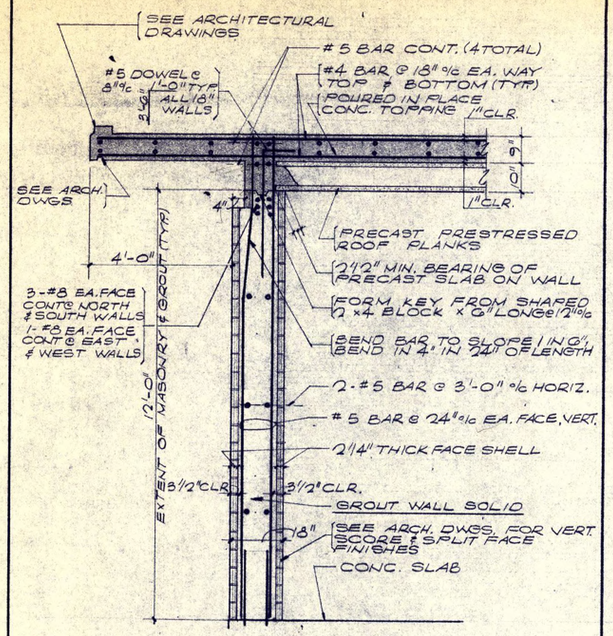
POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
570 W. BONITA AVE. CLAREMONT, CALIF.

DATE 6-12-75

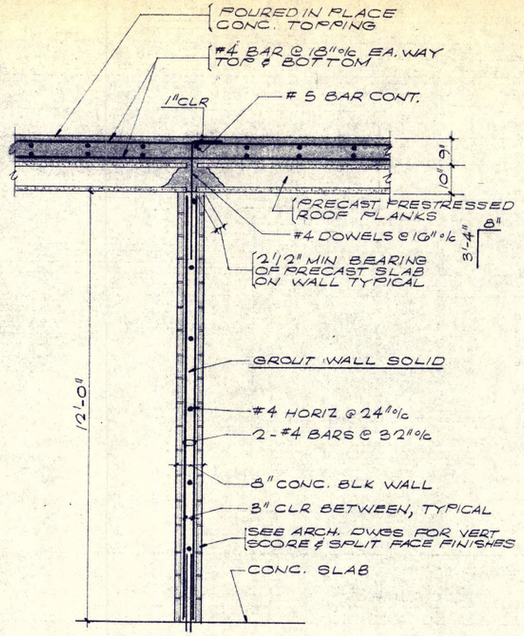
JOB NO. 877

SHEET NO. S·2

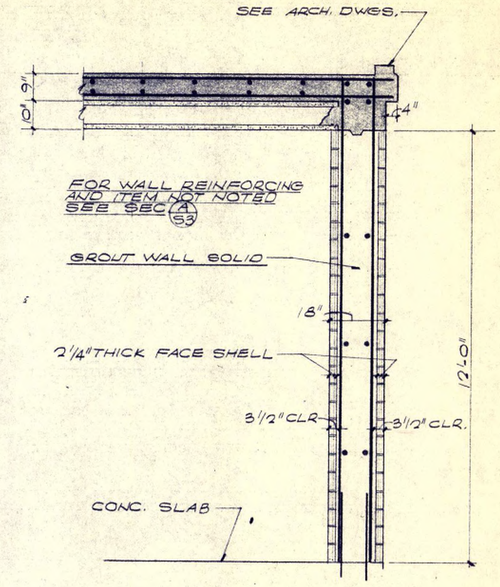
CLAREMONT BLUE

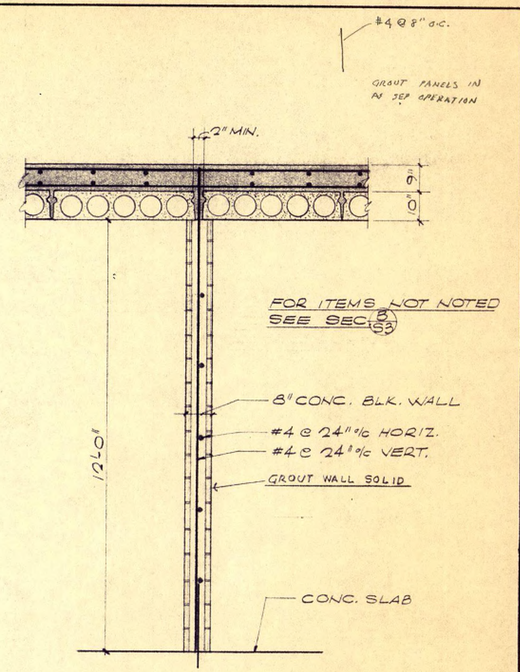


(A) S3 SIMILAR, PRECAST ROOF PLANKS PARALLEL TO WALL, BEAR ON EDGE OF WALL 2 1/2" SAME AS FOR PERPENDICULAR TO WALL.



(B) S3 SIMILAR, PRECAST ROOF PLANKS PARALLEL TO WALL ON ONE SIDE, BEAR ON EDGE OF WALL 2 1/2" SAME AS FOR PERPENDICULAR TO WALL.



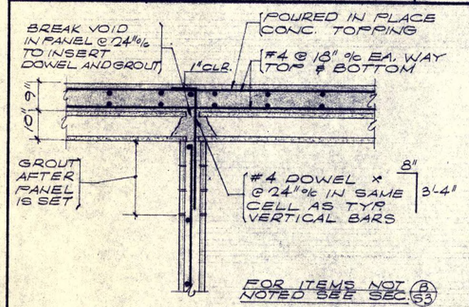


SECTION 1/2"=1'-0" A A1

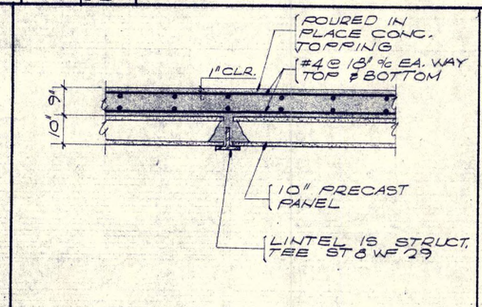
SECTION 1/2"=1'-0" B B1

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

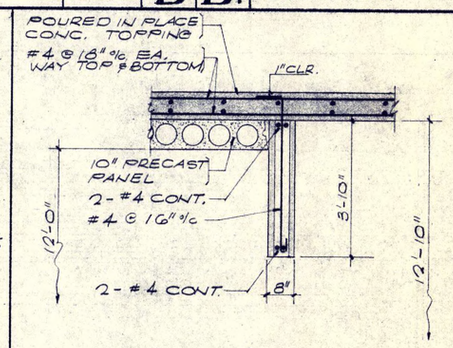
SECTION 1/2"=1'-0" D



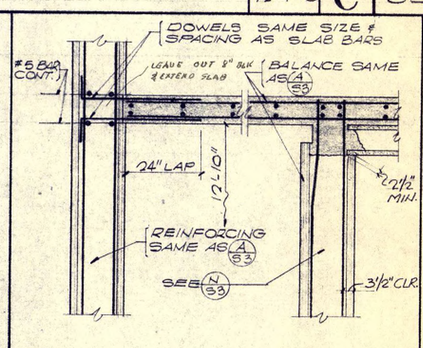
1/2"=1'-0" E



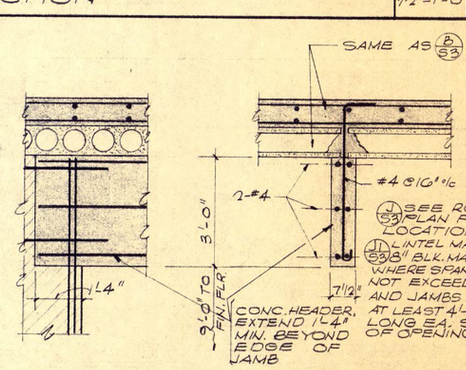
1/2"=1'-0" F



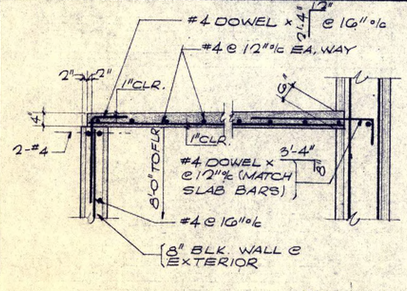
1/2"=1'-0" G



1/2"=1'-0" H

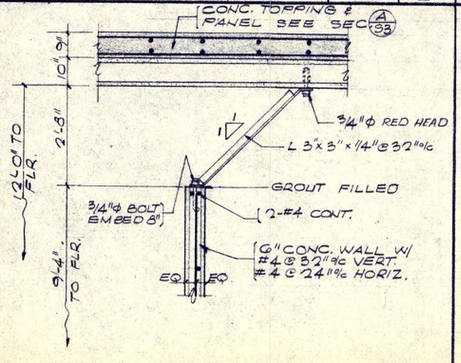


1/2"=1'-0" J J1

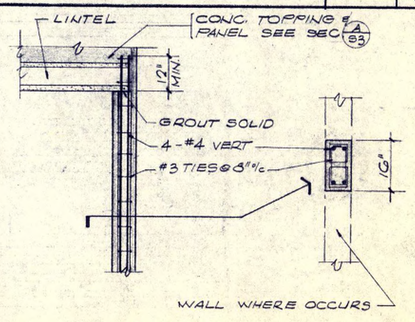


(K1 S3) SIMILAR

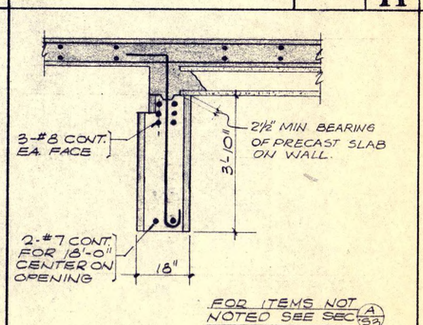
1/2"=1'-0" K K1



1/2"=1'-0" L



TYP. COL. 1/2"=1'-0" M



LINTEL & MAIN ENTRANCE 1/2"=1'-0" N

MASONRY NOTES

1. SEE SPECIFICATIONS FOR TYPE AND SPECIAL REQUIREMENTS OF 18" BLOCK.
2. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 BAR DIAMETERS
3. USE 2 #5 BARS MINIMUM OVER OPENINGS EXTENDING 2'-0" BEYOND EACH JAMB.

FRED L. ASHTON
CONSULTING ENGINEER
566 NO. PARK AVE.
POMONA, CALIFORNIA
(714) 622-5488

NO. DATE REVISIONS

CRILEY & Mc DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

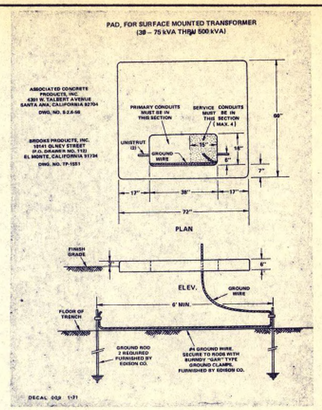
DRAWN BY CHECKED BY

SECTIONS & DETAILS
POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
570 W. BONITA AVE. CLAREMONT, CALIF.

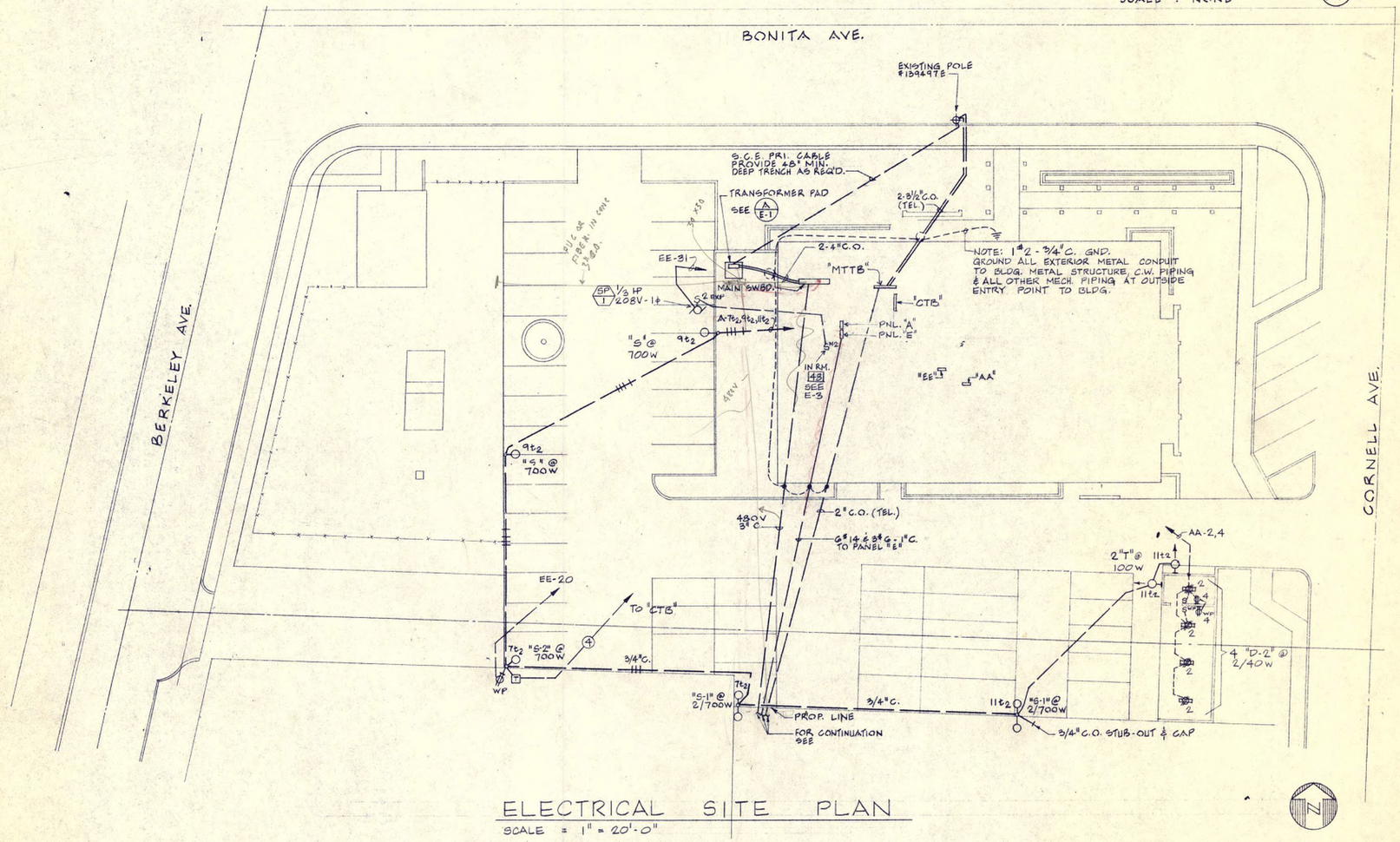
DATE 6-22-73
JOB NO. 877

SHEET NO. S-3

CLAREMONT BLUE



TRANSFORMER PAD (A/E-1)
SCALE : NONE



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

ELECTRICAL SYMBOLS

WALL	CLG.	FLR.	
⊢○	○		LIGHTING OUTLET - INCANDESCENT OR MERCURY
	▣		// // RECESSED
	Ⓛ		// // INCAND. LAMPHOLDER
	○→		// // FLOODLIGHT
	●		// // EMERGENCY
	▭		// // FLUORESCENT
	◪		// // HALF ON EMERG. & HALF ON NORMAL LTG.
⊢⊗	⊗		EXIT SIGN
⊢ⓙ	ⓙ		JUNCTION BOX
⊢⊖	⌀	◉	DUPLEX CONVENIENCE OUTLET
⊢⊕			DATE TIME STAMP, COMBINATION HUBBELL #5261 & #4710
			MTD. ON 2-GANG PLATE. FURNISH ONE HUBBELL #4726 CAP.
⊢⊖	⌀		SINGLE RECEPTACLE, TWISTLOCK TYPE, SEE SPECS.
⊢⊖			30 AMP. 120/208 V. - 1φ - 4W. GROUNDED RECEPTACLE.
⊢ⓒ			CLOCK OUTLET WITH CLOCK MTD. + 7'-3", UNLESS OTHERWISE NOTED.
⊢ⓒSK			// // W/SKELETON CLOCK // // // // //
◀			TELEPHONE OUTLET
◁			INTERCOM OUTLET (SEE SPECIAL SYMBOLS. SHT. # E-4)
⊢Ⓓ			DIMMER
Sa			SINGLE POLE SWITCH (SUBSCRIPT LETTER INDICATES OUTLETS CONTROLLED).
$S_{a^{S_b}}$			SINGLE POLE SWITCHES WITH SEPARATE OUTLET BOX - FOR EACH SUBSCRIPT LETTER.
$S_{a,b}$			SWITCH ASSEMBLY WITH SEPARATE SWITCHES FOR EACH SUBSCRIPT IN MULTI-GANG BOX.
S^3			3 WAY SWITCH
S^4			4 WAY SWITCH
S^E			SWITCH ON EMERGENCY CIRCUIT (SEE NOTE BELOW SCHEDULE.)
S^{WP}			// WEATHERPROOF
S^L			// - LOCK TYPE
S^P			// - WITH PILOT LIGHT
S^{HV}			// - FOR HEAT & VENT CONTROLS
S^M			// MOTOR CONTROL WITH OVERLOAD PROTECTION
S^{EXP}			// EXPLOSION PROOF, CROUSE-HINDS # EFS 11100
	▬		LIGHTING PANEL
	▨		RELAY
	⊠		MOTOR STARTER (ME)
	▭		DISCONNECT SWITCH
	⊘		1φ MOTOR (M)
	⊗		3φ MOTOR (M)
(M)			EQUIP. FURN. & INSTALLED BY MECH. CONTRACTOR
(ME)			// // BY MECH. & INSTALLED BY ELECT.
-------			CONDUIT RUN EXPOSED
———			CONDUIT RUN CONCEALED ABOVE CLG. OR IN WALL
———			// // // BELOW FLR., UNDERG'D. OR IN WALL
———			2 # 12 IN ½" CONDUIT
——+—			3 # 12 IN ½"
——++—			4 # 12 IN ¾"
——++—			5 # 12 IN ¾"
——+++—			6 # 12 IN ¾"
——++++—			7 # 12 IN 1"
——+++++—			8 # 12 IN 1"
——++++++—			9 # 12 IN 1"
#10, ¾"			OTHER WIRE SIZE AND CONDUIT AS NOTED
A-1,3,5			HOME RUN - BRANCH CIRCUIT AS NOTED
1"C.O.			CONDUIT ONLY - SIZE AS NOTED
C			CLOCK CONDUIT & WIRE - 3 # 14, ½" C.
EM			EMERGENCY CONDUIT
②			½" CONDUIT ONLY WITH PULLROPE
③			¾" // // // //
④			1" // // // //
⑤			1¼" // // // //
EM			EMERGENCY (SEE NOTE BELOW SCHED.)
E.W.C.			ELECTRIC WATER COOLER
W/P			WEATHERPROOF

NOTE: SWITCHES & RECEPTACLES CONNECTED TO EMERGENCY PANELS "E" AND "EE" SHALL BE GRAY IN COLOR.

WILLIAM H. KING
ELECTRICAL ENGINEER
1588 N. LAKE AVE., PASADENA, CALIF. 91104
681-3004 798-0778
William H. King E-6198

REVISIONS

NO.	DATE

CRILEY & McDOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3523

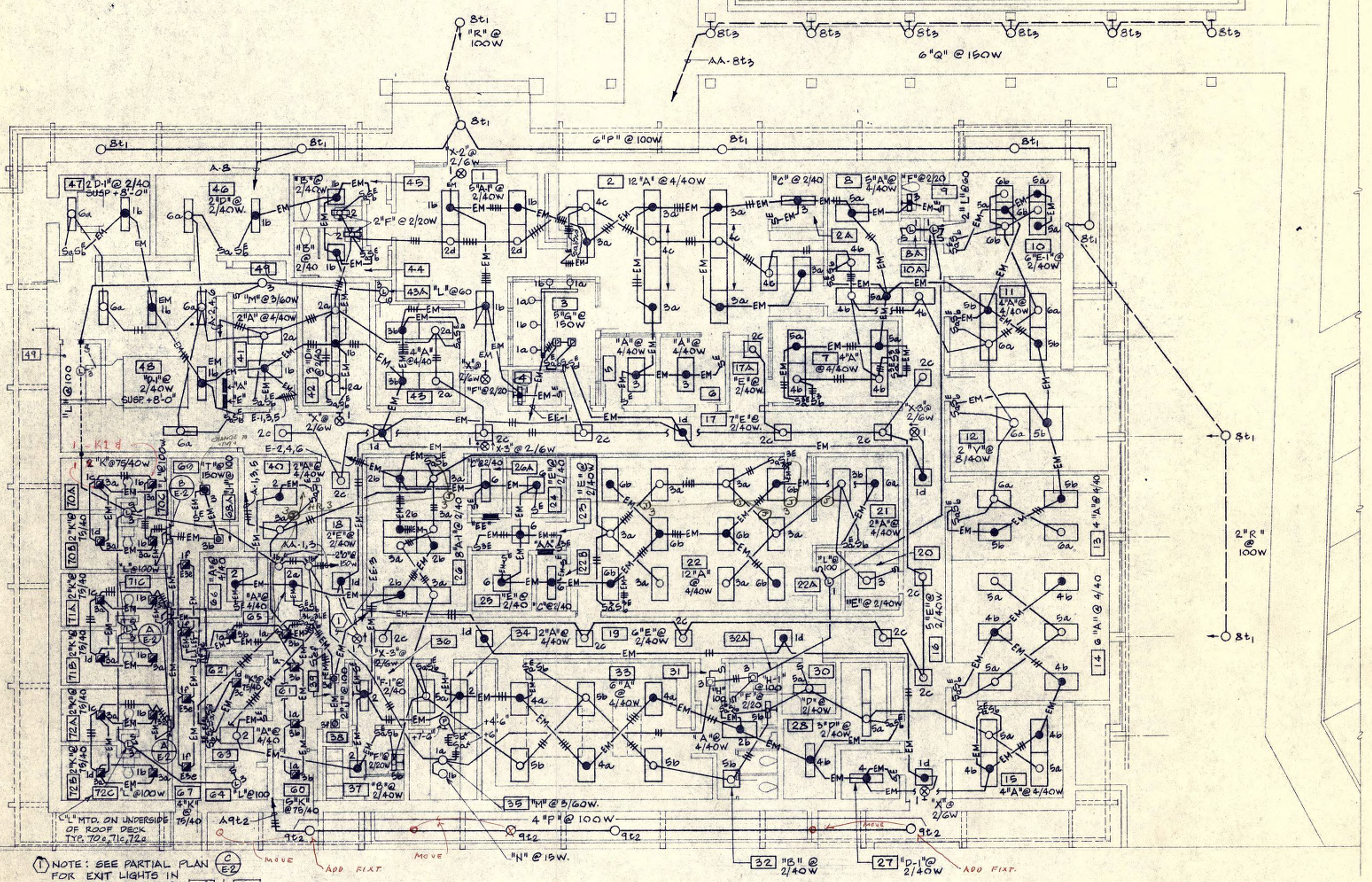
DRAWN BY | CHECKED BY

ELECTRICAL SITE PLAN
POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
570 W. BONITA AVE.
CLAREMONT, CAL.

DATE 4-27-73
JOB NO. 877
SHEET NO. E-1

CLAREMONT BLUE

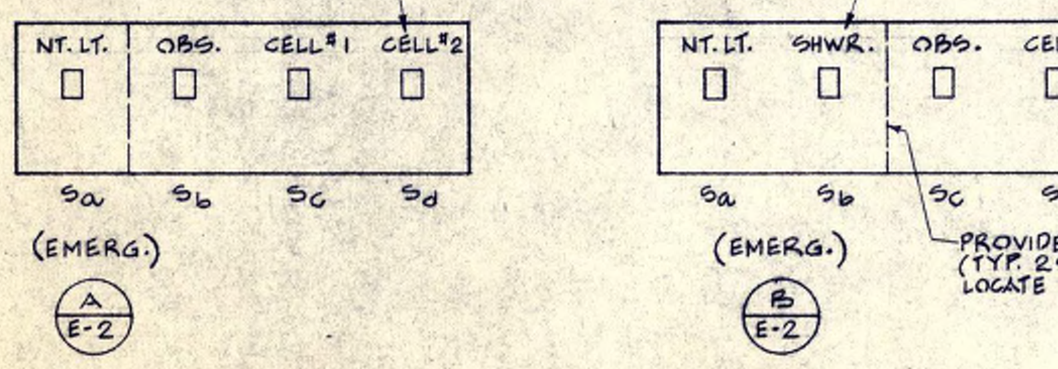
2, 7, 62.
J4 J14



"L" MTD. ON UNDERSIDE OF ROOF DECK TYP. 70c, 71c, 72c

① NOTE: SEE PARTIAL PLAN (C / E-2) FOR EXIT LIGHTS IN SECURITY CORRIDORS 62 & 68

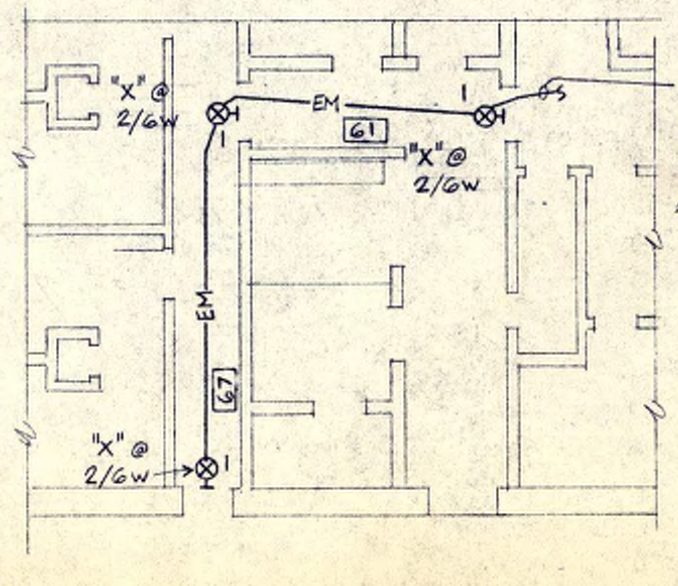
FACTORY ENGRAVED AS SHOWN USING 1/8" BLACK FILLED LETTERS



PROVIDE BARRIER IN BOX (TYP. 2 SW. DETAILS) LOCATE AS SHOWN.

CELL AREA SWITCH PLATE DETAILS

SCALE: NONE



(C / E-2) PARTIAL PLAN OF EXIT SIGN WIRING - RMS. 62 & 68

277/480 V. - 3Φ - 4W

PANEL "A" SCHEDULE

CIR. NO.	OUTLETS ○	OUTLETS ⊖|	OUTLETS OTHER	WATTS L-1	WATTS L-2	WATTS L-3	BREAKER POLE	BREAKER AMPS
1	22			2200			1	20
2	23			2300				
3	13				2100			
4	9				2200			
5	14					2300		
6	13					2000		
7	2			2400				
8	9			1080				
9	6				2080			
10			SPARE		1500			
11	4					1800		
12			SPARE			1500		↓
13			SPACE	—				—
14				—				—
15					—			—
16					—			—
17						—	↓	—
18			↓			—	1	—
TOTAL: 23,460 W				7980	7880	7600		
MAIN: LUGS ONLY				FEEDER MS-1				

t_1 (II) — CKT. 8; t_2 (I) — CKTS. 7, 9, 11

t_2 (I) CKTS. # A-7, 9, 11 CONTROLLED BY 3 POLE, 277V. ASTRO-DIAL TIME SW. "t2" MTD. UNDER SEP. DOOR IN BARRIERED COMPARTMENT AT TOP OF PANEL.

t_1 (II) CKT. # A-8 CONTROLLED BY 1-POLE, 277V. ASTRO-DIAL TIME SW. "t2" MTD. UNDER SEP. DOOR IN BARRIERED COMPARTMENT AT TOP OF PANEL.

277/480 V. - 3Φ - 4W.

PANEL "E" SCHEDULE

CIR. NO.	OUTLETS ○	OUTLETS ⊖|	OUTLETS OTHER	WATTS L-1	WATTS L-2	WATTS L-3	BREAKER POLE	BREAKER AMPS
1	19		7 ⊗	2090			1	20
2	12			1800				
3	12				1950			
4	10				1800			
5	12					2100		
6	12					1900		
7			SPARE	—				
8				—				
9					—			
10					—			
11						—		
12			↓			—		↓
13			SPACE	—				—
14				—				—
15					—			—
16					—			—
17						—		—
18			↓			—	↓	—
TOTAL = 11,640 W				3890	3750	4000		
MAIN LUGS ONLY				FEEDER EMS-3				

WILLIAM H. KING
ELECTRICAL ENGINEER
1585 N. LAKE AVE. · PASADENA, CALIF. 91104
681-0026 · 798-0789
William H. King E5198

REVISIONS
NO. | DATE

CRILEY & Mc DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE – PLANNING
1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

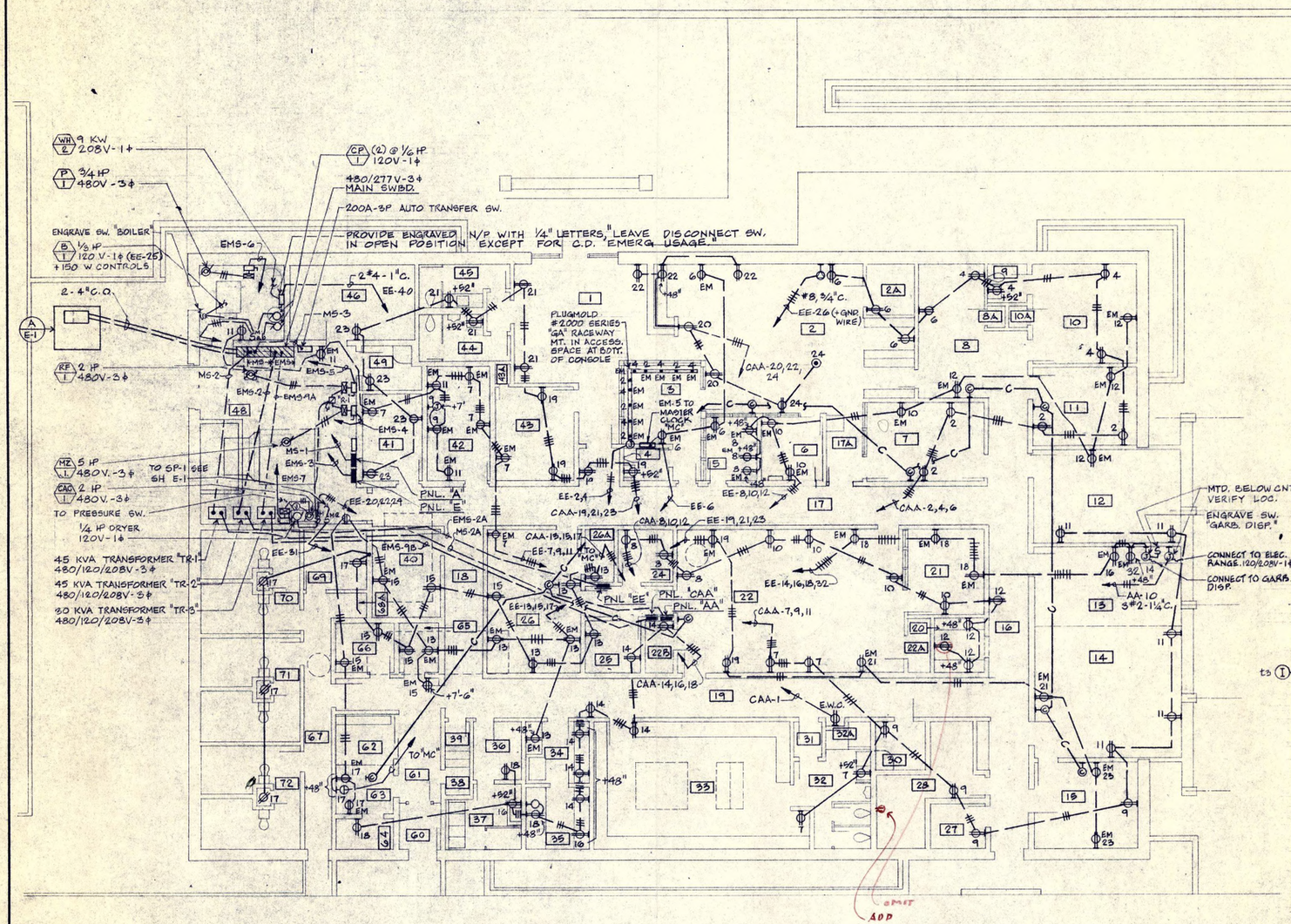
DRAWN BY | CHECKED BY

ELEC. FLOOR PLAN · LIGHTING
POLICE FACILITY BUILDING
for the CITY OF CLAREMONT
BONITA AVE CLAREMONT, CAL.

DATE 4-27-73
JOB NO.

E2

CLAREMONT BLUE



120/208V. - 3φ - 4W. - C.D. EMERG.

PANEL "CAA" SCHEDULE

CIR. NO.	OUTLETS ○	OUTLETS ⊖	OUTLETS OTHER	WATTS L-1	WATTS L-2	WATTS L-3	BREAKER POLE	BREAKER AMPS
1			1 E.W.C. 1/6 HP	600			1	20
2		4		720				
3			SPARE	—				
4		4			720	1		
5			SPARE			—		
6		4				720		
7		4		720				
8		3		540				
9		4			720			
10		4			720			
11		5				900		
12		4				720		
13		4		720				
14		4		720				
15		4			720			
16		4			720			
17		4				720		
18		3				540		
19		4		720				
20		2		360				
21		4			720			
22		3			540			
23		4				720	↓	↓
24		2				360	1	20
25			SPARE	—				
26				—				
27					—			
28					—			
29						—		
30			↓			—	↓	—
31			SPACE	—				—
32				—				—
33					—			—
34					—			—
35						—		—
36			↓			—	↓	—
TOTAL = 14,820W				3280	4860	4680		
MAIN: LUGS ONLY				FEEDER MS-2A				

PANEL "AA" SCHEDULE

120/208V - 3φ - 4W

CIR No.	OUTLETS ○	OUTLETS ⊖	OUTLETS OTHER	WATTS L-1	WATTS L-2	WATTS L-3	BREAKER POLE	BREAKER AMPS	
1	7			715			1	20	
2	4			400					
3	9				940				
4		2			360			↓	
5	6		SPACE			—		—	
6			"			—		—	
7			ENG. BLK. HTR.	1500				20	
8	6			900				↓	t3 (I)
9			SPARE		900		↓	↓	
10			ELEC. RANGE		9050		2	100	
			120/208V-1φ			9050			
11			SPARE			900	1	20	
13				900					
14				900					
15					900				
16					900				
17						900			
18			↓			900	↓	↓	
TOTAL: 29,215W				5315	12150	11750			
MAIN: LUGS ONLY				FDR: MS-2A					

t3 (I) CKT. AA-5 CONTROLLED BY 1-POLE, 120V. ASTRO-DIAL TIME SW. "t3" MTD. UNDER SEP. DOOR IN BARRIERED COMPARTMENT AT TOP OF PANEL.

EMERGENCY

120/208 V. - 3Φ - 4W.

PANEL "EE" SCHEDULE

CIR NO.	OUTLETS ○	OUTLETS ⊖	OUTLETS OTHER	WATTS L-1	WATTS L-2	WATTS L-3	BREAKER POLE	BREAKER AMPS	
1	2			900			1	20	
2		6		1080					
3	2				740				
4		6			1080				
5			SEL. SW. CONTROL			180			
6		3	MASTER CLOCK			720			
7		5		900					
8		3		540					
9		1	TEL. ⊕1		360				
10		3			540				
11		4				720			
12		4				720			
13		4		720					
14			HP GARB. DISP.	1180					
15		4			720				
16		1	REFRIG.		500				
17		2	1 HP			540			
18		3	"			540			
19		2		360					
20			1-CY 1/4 HP	700					
21					360				
22			XF-1-1/3 H.P.		865				
23		2				360			
24			XF-2-1/4 H.P.			700			
25			BOILER B-1	015			↓	↓	
26			1 - HP	1500			2	40	(I)
			(XEROX)		1500				
27			1 - CY 1/3 HP		865		1	20	
29			1 - CY 1/3 HP			865			
30			SPARE			—	↓	—	
31			1 - CY 1/3 HP	430			2	15	
			SP-1		430				
32		1		180			1	20	
34			SPARE		—		1	20	
35			"		—		1	20	
36			AC-2			2000	2	50	
37			SPARE	2000	—		1	20	
39			"		—		1	20	
40			WATER		4500		2	70	(II)
			HEATER			4500			
41			SPARE			—	1	20	
TOTAL = 25,810W				11505	12460	11845			
MAIN: LUGS ONLY				FEEDER EMS-2A					

(I) CONTROLLED BY 60A-2P, 208V. MECH. HELD CONTACTOR, ASCO #922 PR9 (2 WIRE CONTROL) MTD. UNDER SEP. DOOR IN BARRIERED TOP COMPARTMENT OF PANEL. SEE ONE LINE DIAGRAM, SH. # E-5

(II) LOAD INACTIVE EXCEPT ON E.O.C. USAGE

WILLIAM H. KING
ELECTRICAL ENGINEER
1889 N. LAKE AVE. - PASADENA, CALIF. 91104
681-0048 798-0788

REVISIONS | NO | DATE

CRILEY & MC DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

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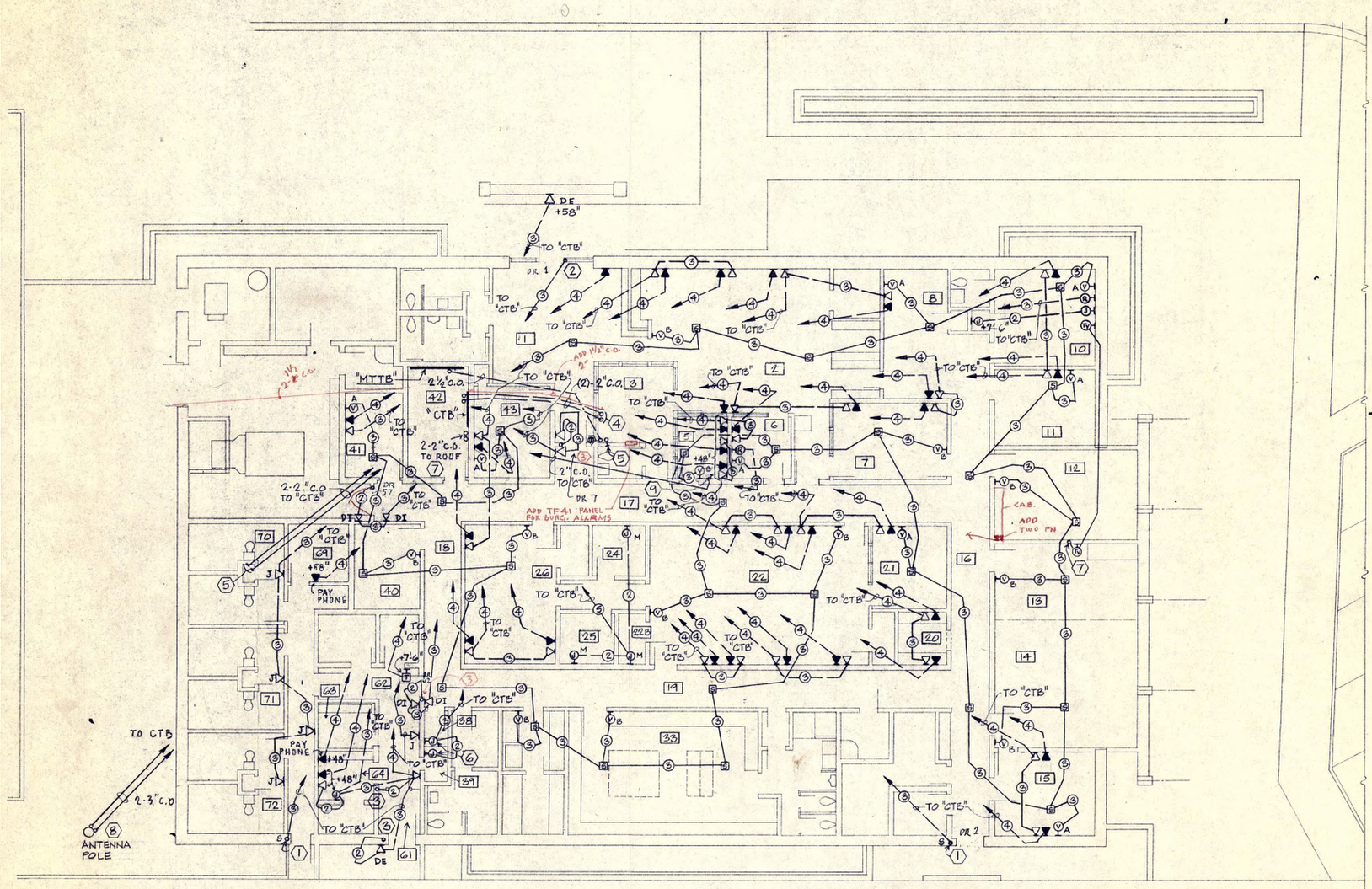
ELEC. FLOOR PLAN - POWER

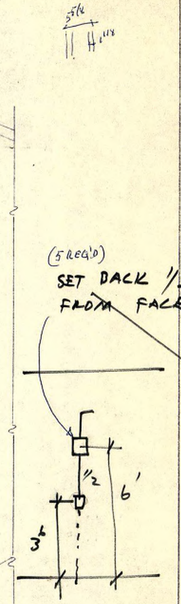
POLICE FACILITY BUILDING for the CITY OF CLAREMONT
570 W. BONITA AVE CLAREMONT, CAL.

DATE 4-27-73
JOB NO. 877

SHEET NO. E-5

CLAREMONT BLUE





NOTES.

1. ALL CONDUITS FROM TELEPHONE OUTLETS RUN HOME TO "MTTB".

SPECIAL SYMBOLS (SIGNAL & COMMUNIC.)

WALL	CLG.	FLR.	DESCRIPTION
		B	FLUSH CEILING SPEAKER HOUSING, LOWELL # CP-84 WITH LOWELL # RSA ROUND GRILLE (WHITE)
TV			TELEVISION OUTLET (INTERNAL SECURITY SYSTEM) 4 11/16" SQ. x 2 1/8" DIA. BOX W/1-GANG PLASTER RING AND BUSHED HOLE STAINLESS STEEL WALL PLATE, ENGRAVED "TV."
K			WALL OUTLET BOX FOR DESK MTD. MASTER INTERCOM 4 11/16" SQ. X 2 1/8" DEEP BOX W/ 1-GANG PLASTER RING AND STAINLESS STEEL WALL PLATE MTD. 12" ABOVE FLOOR, UNLESS OTHERWISE NOTED.
KDE			WALL MTD. OUTLET BOX FOR EXTERIOR DOOR INTERCOM, 6"X 6"X 4"D. BOX WITH INSIDE FLANGE DRILLED AND TAPPED FOR SPEAKER COVER, MTD. 58" TO CENTERLINE ABOVE EXTERIOR WALK. MOUNT FRONT OF BOX 1/2" BEHIND FINISHED WALL SURFACE. (SPEAKER WITH PUSH BUTTON IN COVER FURNISHED AND INSTALLED UNDER A SEPARATE COMMUNICATIONS CONTRACT). PROVIDE TEMPORARY BLANC STEEL COVER W/ WEATHERPROOF GASKET, PAINTED TO MATCH ADJACENT WALL SURFACE.
KDI			WALL MOUNTED OUTLET BOX FOR INTERIOR DOOR INTERCOM, 4 11/16" SQ. X 2 1/8" D. BOX W/ 2-GANG PLASTER RING FOR WEBSTER # 3145 INTERCOM FURNISHED AND INSTALLED UNDER A SEPARATE COMMUNICATIONS CONTRACT. PROVIDE TEMPORARY GANG STAINLESS STEEL WALL PLATE.
KJ			WALL OUTLET BOXES (2) FOR JAIL INTERCOM 6"X 6" X 4"D. BOX W/INSIDE FLANGE, DRILLED & TAPPED FOR SPEAKER COVER. MTD. @ 78" TO CENTER ABOVE SLAB.
KM			WALL OUTLET BOX FOR FUTURE MICROPHONE 4 11/16" SQ. X 2 1/8" D. BOX W/1-GANG PLASTER RING AND BUSED RING AND BUSHED HOLE STAINLESS STEEL WALL PLATE MTD. @ 12" ABOVE FLR. UNLESS OTHERWISE NOTED.
KR			RADIO (MICROPHONE) OUTLET 4 11/16" SQ. X 2 1/8" D. BOX W/1-GANG PLASTER RING & 1GANG STAINLESS STEEL BUSHED HOLED WALL PLATE.
KV			VOLUME CONTROL OUTLET 4 11/16" SQ. 2 1/8" D. W/ 2-GANG PLASTER RING AND 2-GANG STAINLESS STEEL WALL PLATE W/ 2 EACH 3/8" Φ BUSHED HOLE. MOUNT OUTLETS MARKED "A" ADJACENT TO DESKS @ 36" ABOVE FLOOR. MOUNT OUTLETS MARKED "B" @ 6'-0" ABOVE FLOOR.
KTV			TELEVISION (BROADCAST) ANTENNA OUTLET, 4 11/16" x 2 1/8" DEEP BOX W/ 1-GANG PLASTER RING AND STAINLESS STEEL WALL PLATE ENGRAVED "TV" MTD. +12" UNLESS OTHERWISE NOTED.

NOTE:
OUTLET BOXES FOR RECEPTACLES, TELEPHONES, INTERCOMS, AND OTHER DEVICES NORMALLY MOUNTED @ 12" ABOVE FLOOR SHALL, WHERE IN MASONRY WALLS BE MOUNTED WITH BOTTOM OF BOX AT TOP OF SECOND COURSE OF BLOCK, EXCEPT WHERE OTHER SPECIAL HEIGHT IS INDICATED.

LEGEND

1. TERMINATE CONDUIT IN DOOR STRIKE BOX FOR DOOR STATUS INDICATION.
2. TERMINATE CONDUIT IN DOOR HEADER AS DIRECTED FOR ELECTRIC DOOR RELEASE.
3. TERMINATE CONDUIT 4" BELOW DOOR STRIKE BOX FOR ELEC. DOOR RELEASE
4. STUB UP 6" ABOVE FLOOR BELOW CONSOLE & TERMINATE IN BUSHING.
5. STUB 1½" C.O. INTO ACCESSIBLE CEILING SPACE.
6. TERMINATE JUNCTION BOXES IN ACCESSIBLE SPACE BELOW PRISONER VISITOR COUNTER & AS DIRECTED FOR PRISONER VISITOR INTERCOM.
7. STUB CONDUIT UP 12" ABOVE ROOF & CAP.
8. TERMINATE ANTENNA CONDUITS IN BUSHING +10' ABOVE GRADE & INSTALL REMOVABLE PLUGS.
9. TERMINATE 2" C.O. FOR C.D. ANTENNA IN BUSHING AT WALL 6" BELOW CEILING.

MOTOROLA
530-

WILLIAM H. KING
ELECTRICAL ENGINEER
1288 N. LAKE AVE., PASADENA, CALIF. 91104
SYcamore 3-0068

REVISIONS

NO.	DATE

CRILEY & MC DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1231 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3825

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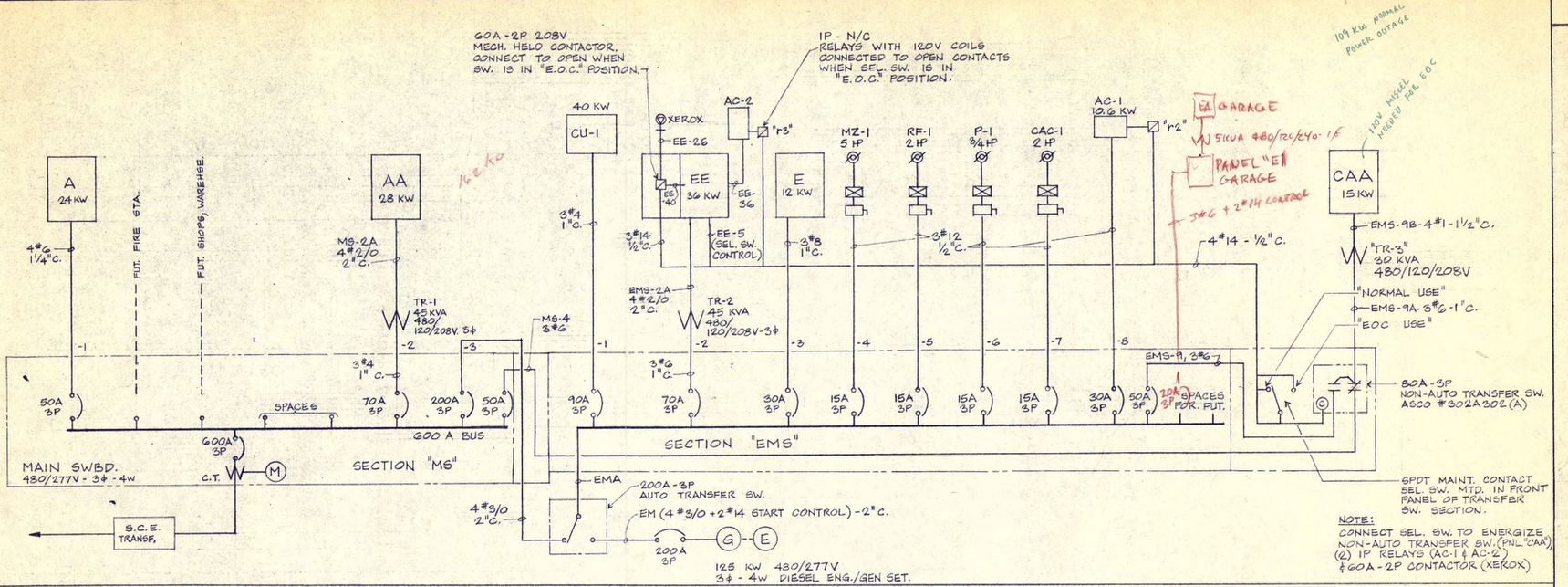
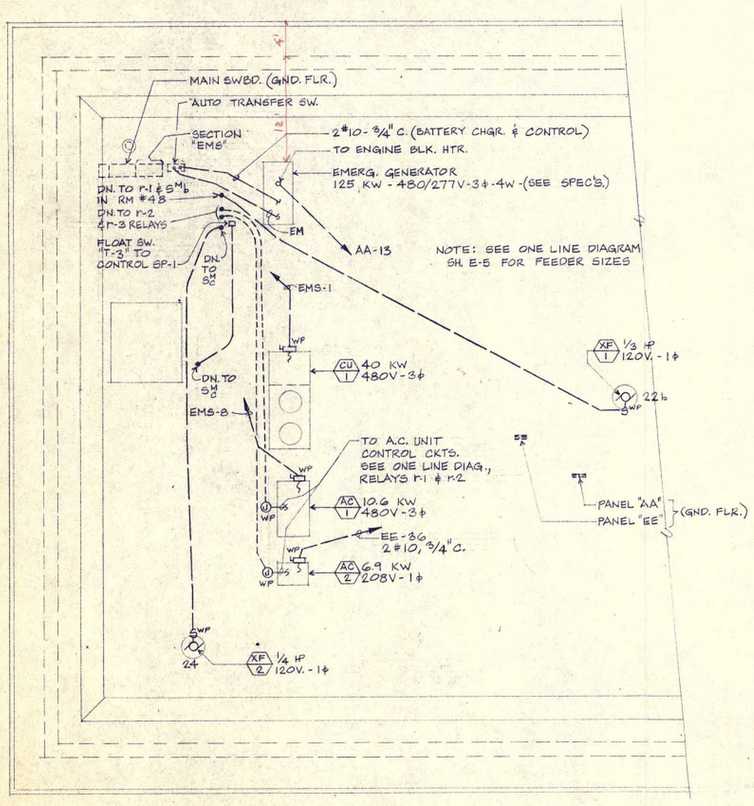


ONE LINE DIAGRAM

NOT TO SCALE



PARTIAL ELECTRICAL ROOF PLAN

SCALE: ⅛" = 1'-0"

LTG. FIXTURE SCHEDULE (CON'T.)

TYPE	LAMP/WATTS	DESCRIPTION
T	100W H38-4BP/DX	WALL MOUNTED MERCURY VAPOR FLOODLIGHT, STONCO #M4406-E-277V.,MTD 6" BELOW TOP OF WALL.
U	6W CAND. BASE	120 VOLT PILOT LIGHT, HUBBELL #432 LAMP RECEPTACLE MTD. IN 1 GANG WALL BOX WITH HUBBELL #756 RED JEWEL IN STAINLESS PLATE.
V	8/40W F40CW	SURFACE MOUNTED 4 FT. X 4 FT. FLUORESCENT FIXTURE WITH FLAT WHITE OPAL ACRYLIC LENS, SUNBEAM #PRXA-4908-4R-277V- WITH WALNUT VINYL TRIM OVER METAL SIDES.
X	2/6W F6T5	WALL BACK MTD. EXIT SIGN, FLUORESCENT, STENCIL FACE, GREEN LETTERS, PRESCOLITE #74112-277V.
X-1	2/6W F6T5	SIMILAR TO "X", EXCEPT WITH ARROW RIGHT, PRESCOLITE #74122-277V.
X-2	2/6W F6T5	CEILING MTD. EXIT SIGN SIMILAR TO "X", PRESCOLITE #74212-277V.
X-3	2/6W F6T5	SIMILAR TO "X-2", EXCEPT WITH DIRECTIONAL ARROWS AS SHOWN ON PLAN, PRESCOLITE #74322-277V.

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP/WATTS	DESCRIPTION
A	4/40W F40CW	RECESSED FLUORESCENT, 2' X 4', 4 LAMP WITH FLAT WHITE ACRYLIC LENS, FOR MOUNTING IN EXPOSED TEE CEILING, SUNBEAM #PRXA 9204-4R-277V.
A-1	2/40W F40CW	SIMILAR TO "A", EXCEPT 2 LAMP, SUNBEAM #PRXA-9202-4R-277V.
A-2	4/40W F40CW	SAME AS "A", EXCEPT FOR MOUNTING IN GYPSUM BOARD CEILING.
B	2/40W F40CW/U	RECESSED FLUORESCENT, 2' X 2', 2 LAMP WITH FLAT WHITE ACRYLIC LENS, FOR MOUNTING IN EXPOSED TEE CEILING, SUNBEAM #PRXA 9202-2UR-277V.
C	2/40CW F40CW	RECESSED FLUORESCENT, 1' X 4', 2 LAMP WITH FLAT WHITE ACRYLIC LENS, FOR MOUNTING IN GYPSUM BOARD CEILING, SUNBEAM #PRXA 9122-4R-277V.
D	2/40W F40CW	SURFACE MOUNTED FLUORESCENT, 1' X 4', 2 LAMP, INDUSTRIAL TYPE PORCELAIN ENAMELED STEEL REFLECTOR, SMOOT-HOLMAN #ND-24R-Y-277V.
D-1	2/40W F40CW	SAME AS "D", EXCEPT SUSPENDED, SMOOT-HOLMAN #ND-24R-Y-277V. WITH #3A21 BALL ALIGNER CANOPIES, 1/2" RIGID CONDUIT STEMS, LENGTH AS REQUIRED FOR MOUNTING HEIGHT INDICATED AND #2A-7 SLIDING HANGERS.
D-2	2/40W F40CW	SUSPENDED FLUORESCENT, STEEL REFLECTOR, SMOOT-HOLMAN #215-24R- 120V., CHAIN SUSPENDED AT HEIGHT INDICATED USING GALVANIZED 100# JACK CHAIN, #2A10 SLIDING HANGERS AND #206A-2 CORD AND PLUG, FOR USE WITH RECEPTACLE MOUNTED ABOVE FIXTURE.
E	2/40W F40CW/U	SURFACE MOUNTED 2' X 2', 2 LAMP FLUORESCENT, METAL SIDES, FLAT WHITE ACRYLIC LENS, SUNBEAM #PRXA-4702-2UR-277V.
E-1	2/40W F40CW/U	SAME AS "E", EXCEPT WITH WALNUT VINYL TRIM OVER METAL SIDES.
F	2/20W F24T12	FLUORESCENT WALL BRACKET, 2' LONG, WRAPAROUND WHITE ACRYLIC SHIELD, WESTERN 3AC852-24TS-277V.
F-1	2/40W F40CW	SIMILAR TO "F", EXCEPT 4' LONG, WESTERN #AC852-48RS-277V.
G	5/150W R40FL	SURFACE MOUNTED ADJUSTABLE TRACK LIGHT ASSEMBLY CONSISTING OF 1-8 FT. AND 1-4 FT. SECTION WITH CORNER CONNECTOR FOR "L" SHAPED ARRANGEMENT AS SHOWN ON PLAN, LIGHTOLIER #7505/7506 - 3 WIRE TRACK ASSEMBLY WITH 5 #7540 ADJUSTABLE CYLINDER FLOODLIGHTS, DIMMER CONTROLLED AS SHOWN. PROVIDE SPECIAL BACKING TO HOLD TRACK AND FIXTURES RIGIDLY ABOVE CEILING.
H	100W I.F.	RECESSED INCANDESCENT, SQUARE DROPPED OPAL GLASS DIFFUSER, MARCO #S1-T101J
H-1	100W I.F.	SAME AS "H", EXCEPT WITH WEATHERPROOF GASKET, MARCO #S1-T101-J-WP.
I	150W I.F.	SURFACE MOUNTED INCANDESCENT SECURITY FIXTURE FOR MOUNTING AGAINST CONCRETE CEILING, C.W. COLE # 9108-CM-120V.
J	100W I.F.	RECESSED INCANDESCENT SECURITY FIXTURE, GYPSUM BOARD CEILING, C.W. COLE #PM-9101-120V.
J-1	100W I.F.	SAME AS "J", EXCEPT WITH WEATHERPROOF GASKET, C.W. COLE #PM-9101-WP-120V.
K	75/40W H43-AV/DX 40W-OVEN TYPE	RECESSED MERCURY VAPOR SECURITY FIXTURE, INCANDESCENT NORMAL LAMP WIRED IN SERIES WITH DIODE, HIGH STRESS LENS, FOR MOUNTING IN STEEL PLATE CEILING, C.W. COLE #SM-9501-NL-277V. SEE NOTE 2. ?
K-1	75/40W H43-AV/DX 40W OVEN TYPE	SAME AS "K", EXCEPT FOR MOUNTING IN PLASTER CEILING, C.W. COLE #PM-9501-NL-277V. SEE NOTE 2.
L	AS NOTED I.F.	INCANDESCENT LAMPHOLDER, PORCELAIN, KEYLESS, ALABAX #AL3140.
M	3/60W I.F.	SURFACE MOUNTED INCANDESCENT, ROUND OPAL GLASS DRUM, MARCO #SP-13.
N	25W I.F.	CEILING MOUNTED INCANDESCENT DARKROOM SAFELIGHT, EASTMAN KODAK MODEL "C" UTILITY SAFELIGHT WITH CORD, PLUG AND CHAIN SUSPENSION FOR CONNECTION THROUGH RECEPTACLE MOUNTED ABOVE FIXTURE. PROVIDE ONE EACH WRATTEN SERIES "0A", "2" AND "3" FILTERS WITH SAFELIGHT.
O	150W I.F.	ADJUSTABLE INCANDESCENT FLOODLIGHT, BULLET SHADE, STONCO #B67001-WHITE.
P	100W H38-4MP/DX	SURFACE MOUNTED MERCURY VAPOR DOWNLIGHT FOR OUTDOOR MOUNTING, ANODIZED ALUMINUM, DARK BRONZE FINISH WITH OPEN BAFFLE, MARCO #MSP1-T441-SPECIAL -277V., WITH SPECIAL BAFFLE AND REFLECTOR TO CONCEAL LAMP AND REFLECTOR AT VIEWING ANGLES GREATER THAN 45 DEGREES.
Q	150W R40FL	CYLINDRICAL WALL BRACKET DOWNLIGHT, OUTDOOR MTG., MARCO #B1305-ANODIZED DARK BRONZE FINISH.
R	100W H38-4MP/DX	GROUND MTD. OUTDOOR FLOODLIGHT, MERCURY VAPOR, PRESCOLITE #93010-277V.
S	700W H35-18NA	STREET LIGHT LUMINAIRE, REVERE #2720-758-277V., MTD. ON REVERE #15112-B, 25FT. POLE WITH 6 FT. UPSWEPT ARM. FURNISH #66-7 BOLT COVERS.
S-1	2/700W H35-18NA	SIMILAR TO "S", EXCEPT DOUBLE ARM, 2 #15112-B LUMINAIRES MTD. ON 25 FT. #15122-B POLE. FURNISH #66-7 BOLT COVERS.
S-2	700W H35-18NA	SAME AS "S",EXCEPT WITH ADDITION OF TV OUTLET MTD. MTD. 20 FT. ABOVE BASE AND WEATHERPROOF RECEPTACLE MTD. 19 FT. ABOVE BASE. OUTLETS SHALL CONSIST OF CAST METAL TYPE "FS" BOXES WITH CROUSE-HINDS TYPE CGB BUSHING IN COVER FOR TV AND W.P. RECEPTACLE IN COVER FOR A.C.

WILLIAM H. KING
ELECTRICAL ENGINEER
1585 N. LAKE AVE. - PASADENA, CALIF. 91104
681-0026 • 798-0789

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1291 N. INDIAN HILL BLVD.
CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3253

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TC TF

ELECTRICAL: ROOF PLAN & DETAILS

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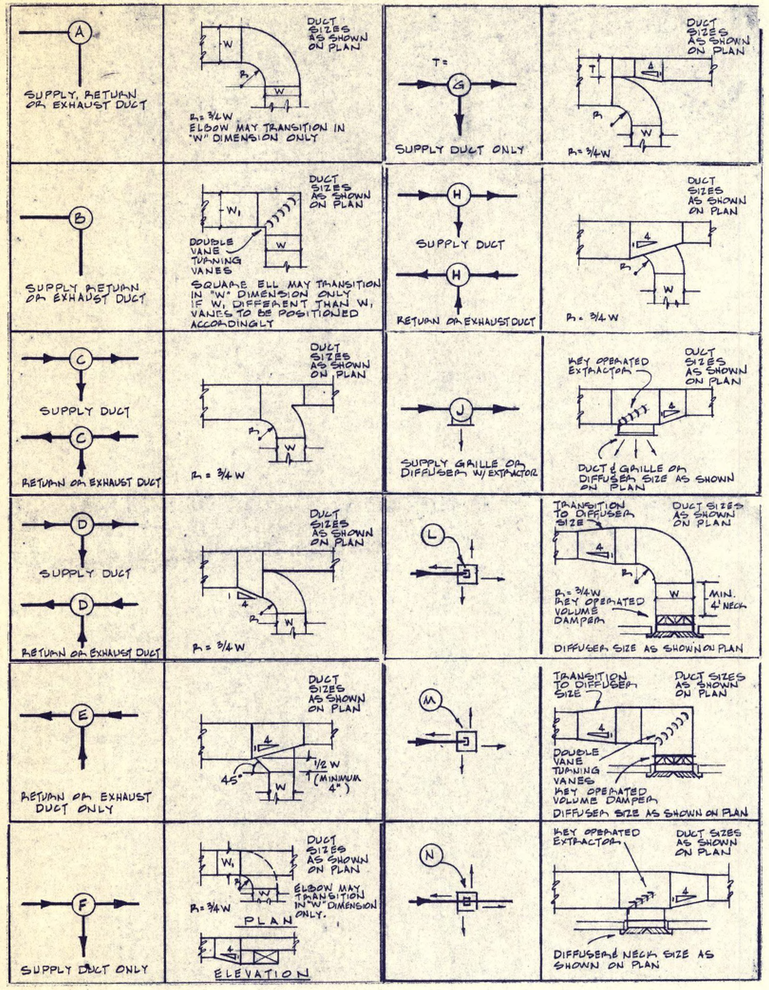
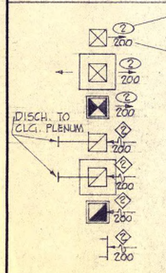


DUCT DETAILS (A)

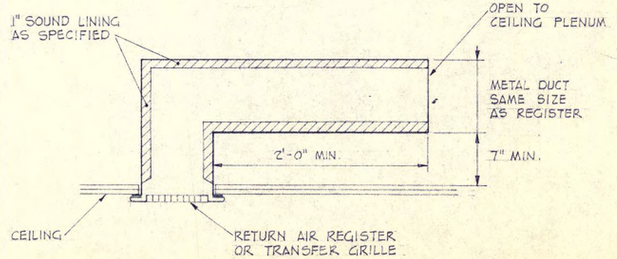


SYMBOL & SIZE NO. SUPPLY	SYMBOL & SIZE NO. R.A./EXH.	MAXIMUM AIR VOLUME	NECK SIZE
1	1	125 CFM	6"x6"
2	2	220 CFM	8"x8"
3	3	345 CFM	10"x10"
4	4	500 CFM	12"x12"
5	5	680 CFM	14"x14"
6	6	890 CFM	16"x16"

DIFFUSER & REGISTER SYMBOLS (D)

LEGEND (B)

ABBREVIATION	DESCRIPTION	SYMBOL
SA, OSA	SUPPLY AIR OR OUTSIDE AIR DUCTS UP AND DOWN	
RA, EXH.	RETURN AIR OR EXHAUST AIR DUCTS UP AND DOWN	
CA	COMBUSTION AIR	
HW, LW CLG, FL	HIGH WALL, LOW WALL CEILING, FLOOR	
TV	TURNING VANES IN SQUARE MITER ELBOW	
FD	FIRE DAMPER W/FUSE LINK	FD AD VD
AD	AUTOMATIC DAMPER	
VD	VOLUME DAMPER, MANUAL	
R.D.	RISE OR DROP IN DUCT IN DIRECTION OF AIR FLOW	R D
(L)	FLEXIBLE DUCT CONNECTION DUCTS, PLENUMS, TRENCHES OR ROOMS LINED WITH 1" THICK SOUND LINING, SHEET METAL SIZES GIVEN INCLUDE LINING	
CD-2W, 3W, & W	CEILING DIFFUSER, TWO WAY, THREE WAY, FOUR WAY THROW (DIRECTIONS INDICATED)	
SD-90	SIDE WALL DIFFUSER WITH DIVERGENCE ANGLE SHOWN	
SA GR SA REG	SUPPLY AIR GRILLE SUPPLY AIR REGISTER	
RA GR RA REG	CEILING RETURN AIR OR EXHAUST AIR GRILLE, REGISTER	
EXH GR. EXH REG.	SIDE WALL RETURN AIR OR EXHAUST AIR GRILLE OR REGISTER	
EXTR	EXTRACTOR, KEY OPERATED	
DL DL/FL U.D. 3/4	DOOR LOUVER, SIZE AS NOTED ON PLANS DOOR LOUVER WITH FUSIBLE LINK UNDER CUT DOOR 3/4"	DL
MBH BTUH CFM E.T. S.T. DB WB DIA PH (ϕ) TYP. REQ'D W/	1000 BTU PER HOUR BTU PER HOUR CUBIC FEET PER MINUTE CONDENSING TEMPERATURE SUCTION TEMPERATURE DRY BULB (TEMPERATURE) WET BULB DIAMETER PHASE (ELECTRIC) TYPICAL REQUIRED WITH (AS PREFIX)	
T'STAT.	THERMOSTAT, BOOSTER THERMOSTAT INTERVAL TIME SWITCH PROGRAM CLOCK HUMIDISTAT	(T) (TS) (C) (H) (S)
SW.	CONTROL SWITCH	
	DETAIL, PLAN DESIGNATION → SHEET OR DRAWING NUMBER →	A / M-1
	MARK NUMBER FOR EQUIPMENT DESIGNATION UNDER OTHER APPROPRIATE WORK SECTION UNDER PLUMBING WORK SECTIONS UNDER HEATING AND AIR CONDITIONING WORK SECTIONS UNDER ELECTRIC WORK SECTIONS	AC-1 (G) (P) (M) (E)
	LINE VOLTAGE LOW VOLTAGE	
N.C. N.O. DISC. SW.	NORMALLY CLOSED NORMALLY OPEN DISCONNECT SWITCH (E)	
R-1	RELAY (W/DESIGNATION NUMBER) COILS AND CONTACTS FOR VOLTAGES AND CURRENT INDICATED OR REQUIRED. CONTACTS NORMALLY OPEN (✱) OR NORMALLY CLOSED (✱) AS INDICATED. RELAYS SHALL HAVE GENERAL PURPOSE ENCLOSURE UNLESS PART OF CONTROL PANEL (ME) (UNLESS OTHERWISE NOTED)	
	THERMAL OVERLOAD PROTECTION SWITCH	
HOA	HAND - OFF - AUTOMATIC PROVIDED BY (E) INSTALLED (M) PROVIDED BY (M) INSTALLED (E)	(EM) (ME)

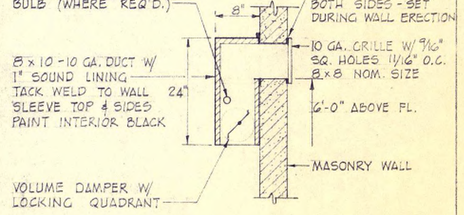


TYPICAL R.A./TRANSFER REGISTER & DUCT (E)

EQUIPMENT SCHEDULE (C)

MARK NO.	DESCRIPTION	CAPACITY	OPERATING WEIGHT LBS.	ELECTRICAL CONNECTION ITEM	LOAD	EMER. POWER	VOLTS	PHASE
B 1	HOT WATER BOILER GAS-OIL FIRED	525,000 BTUH INPUT 420,000 BTUH OUTPUT E.H.W. @ 170° L.H.W. @ 200°F.	1700	CONTROLS OIL BURNER	150 W. 1/3 HP	E.O.C. & N.F. E.O.C.	120 120	1 1
MZ 1	E.O.C. MULTIZONE AIR CONDITIONING UNIT, 9 ZONES, DX COOLING COIL, HOT WATER HEATING COIL, FORWARD CURVED FAN ZONES 3-11	TOTAL AIR 8700 CFM @ 2.50 IN. T.S.P. DX COIL ENT. AIR 80°DB, 64.3°WB 6 ROWS LEA. AIR 55°DB, 54.5°WB 40" SUCTION HW COIL ENT. AIR 62°DB 2 ROWS LEA. AIR 102°DB, 25 GPM.	1200	FAN	5 HP	E.O.C. & N.F.	480	3
AJ 1	PACKAGE JAIL AIR CONDITIONING UNIT EXTERIOR - ZONE 1	TOTAL AIR 1600 CFM SPACE AIR 800 CFM @ 0.50" S.P. RECIRC. AIR 800 CFM DX COIL ENT. AIR 77°DB, 63.5°WB LEA AIR 55°DB, 54.5°WB 43,000 BTUH @ 105° AMB.	800	EVAP FAN COMP. COND. FAN	2 AMPS 9.1 AMPS 1.7 AMPS	N.F. – –	480 480 480	3 3 3
AC 2	PACKAGE JAIL AIR CONDITIONING UNIT INTERIOR - ZONE 2	TOTAL AIR 800 CFM SPACE AIR 400 CFM @ 0.50" S.P. RECIRC. AIR 400 CFM DX COIL ENT AIR 77°DB, 63.5°WB LEA AIR 55°DB, 54.5°WB 21,400 BTUH @ 105° AMB	300	EVAP FAN COMP. COND. FAN	1.9 AMPS 16 AMPS 1.4 AMPS	N.F. – –	208 208 208	1 1 1
CU 1	CONDENSING UNIT, AIR-COOLED E.O.C.	264,000 BTUH @ 105°F. AMBIENT	4000	COMP #1 COMP #2 COND. FAN COND. FAN	10 HP 15.5 FLA 15 HP 23.0 3.6 AMP 5.4 AMP	E.O.C. E.O.C. E.O.C. E.O.C.	480 480 480 480	3 3 3 3
RF 1	RETURN - EXHAUST FAN, E.O.C.	6900 CFM @ 0.25" S.P.	550	MOTOR	2 HP	E.O.C. & N.F.	480	3
XF 1	EXHAUST FAN, E.O.C.	1700 CFM @ 0.25" S.P.	120	FAN	1/3 HP	E.O.C. & N.F.	120	1
XF 2	EXHAUST FAN, JAIL	1200 CFM @ 0.25" S.P.	110	FAN	1/4 HP	N.F.	120	1
T 1	EXPANSION TANK	24 GAL. CAPACITY 13"ϕ x 51		–	–	–	–	–
P 1	HOT WATER PUMP	33 GPM @ 30 FT. HD.		PUMP	3/4 HP	E.O.C. & N.F.	480	3
F 1	AIR FILTER BANK FOR MZ-1 UNIT	6-20" x 20" x 26" DEEP 1450 CFM 0.25" S.P. CLEAN, 0.95" S.P. DIRTY	–	–	–	–	–	–
C 1	HOT WATER COIL FOR AC-1, JAIL ZONE 1	16" x 15" x 2 ROWS ENT. AIR 27° F, LEAV. AIR 118° F ENT. WATER 200°F, LEAV. WATER 170°F., 800 CFM, 5.3 GPM	–	–	–	–	–	–
C 2	HOT WATER COIL FOR AC-2, JAIL ZONE 2	12" x 12" x 2 ROWS ENT. AIR 27°F, LEAV. AIR 109°F ENT. WATER 200°F. LEAV. WATER 170°F., 400 CFM, 2.4 GPM	–	–	–	–	–	–
CAC 1	AIR COMPRESSOR	9.1 CFM @ 70 PSI, 60 GAL. ASME TANK	– –	MOTOR DRYER	2 HP 1/4 HP	E.O.C. & N.F. E.O.C. & N.F.	480 120	3 1
RV 1	ROOF VENTILATOR	48" x 60"	–	–	–	–	–	–

N.F. = NORMAL FAILURE
E.O.C. = E.O.C. USE



SECURITY TYPE WALL EXHAUST GRILLE (F)

THERMALAIR INC.
S. EL MONTE
213-283-8581

THOMAS H. PARRY & ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1383 NORTH LAKE AVENUE PASADENA, CALIFORNIA 91104
796-6422 681-3522

REVISIONS

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CRILEY & MC DOWELL ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1291 N. INDIAN HILL BLVD. CLAREMONT, CALIF. 91711
TELEPHONE (714) 624-3525

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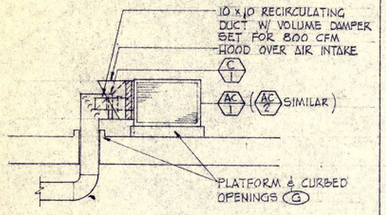
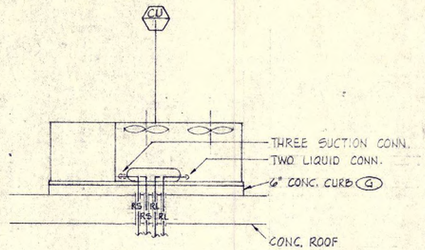
520 W. BONITA AVE. CLAREMONT, CAL.

DATE 6-25-73
JOB NO. 877
SHEET NO. M1

CLAREMONT BLUE



SECTION — SCALE 1/4"=1'-0" — B



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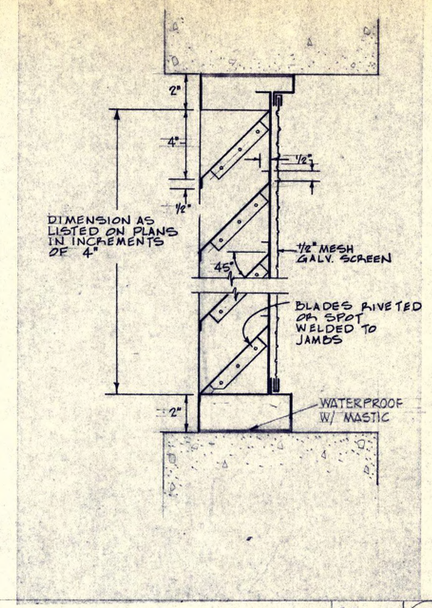
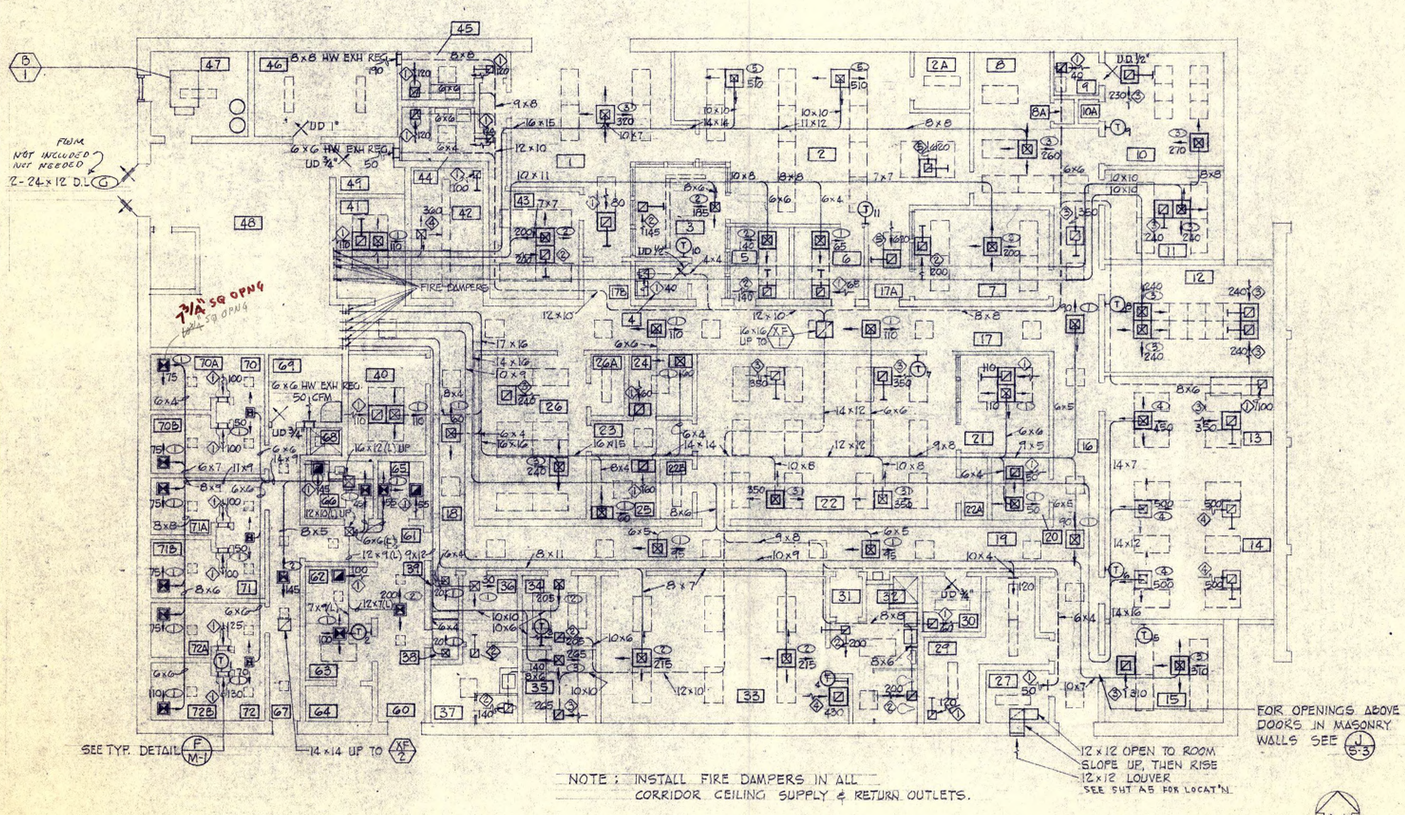
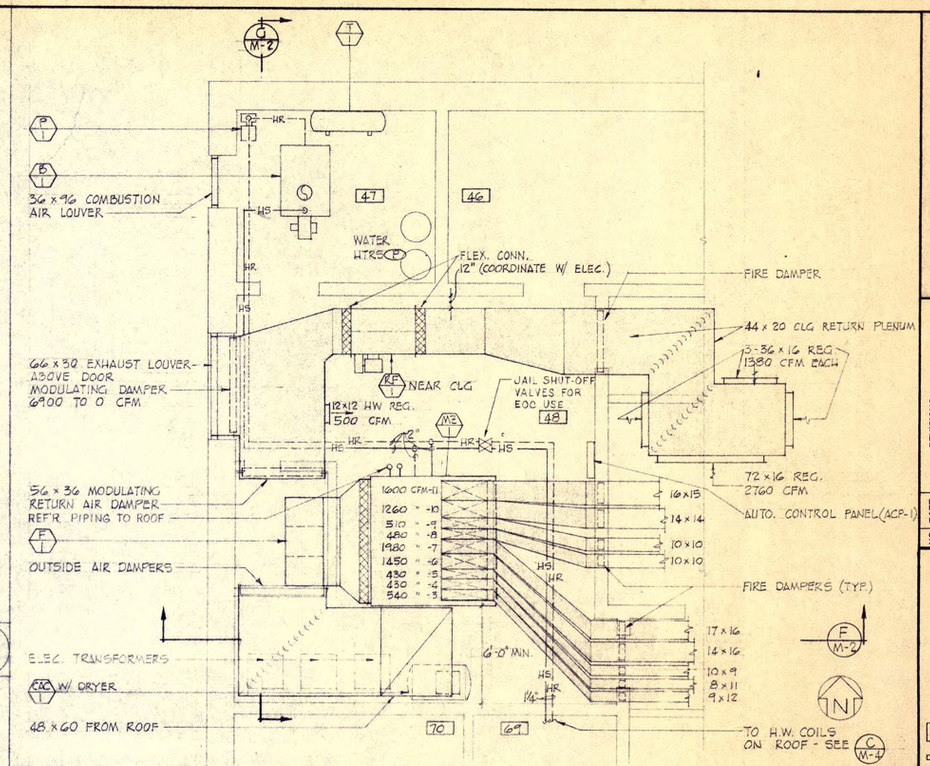


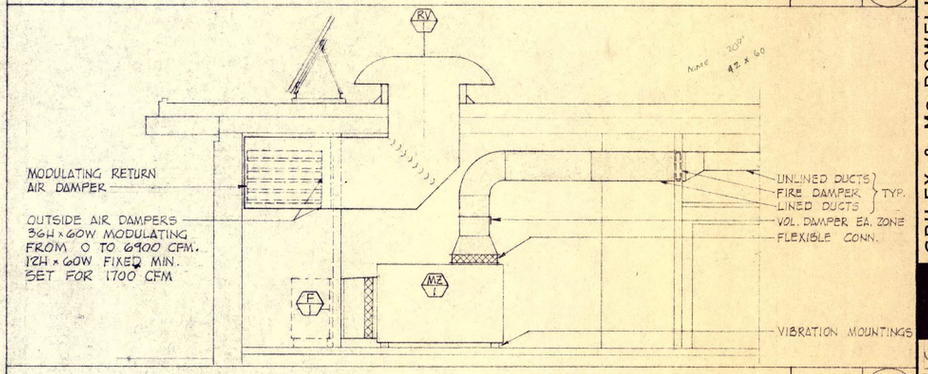
TYPICAL WALL LOUVER — SCALE 3"=1'-0" — D



MECHANICAL FLOOR PLAN — SCALE 1/8"=1'-0" — A



EQUIPMENT ROOM PLAN — SCALE 1/4"=1'-0" — E



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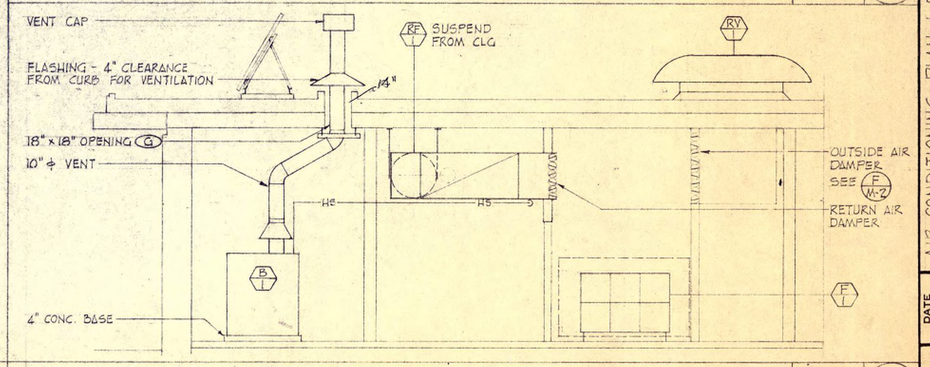

SECTION — SCALE 1/4"=1'-0" — G

THOMAS H. PARRY & ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1580 NORTH LAKE AVENUE PASADENA, CALIFORNIA 91104
798-6242 681-0322

REVISIONS

NO.	DATE

CRILEY & Mc DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1321 N. INDIAN HILL BLVD.
CLAREMONT, CALIFORNIA 91711
TELEPHONE (714) 624-3525

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AIR CONDITIONING PLAN & DETAILS
POLICE FACILITY BUILDING
FOR THE CITY OF CLAREMONT
B2d W. BONITA AVE. CLAREMONT, CAL.

DATE 6-22-73
JOB NO. 877
SHEET NO. M 2

CLAREMONT BLUE

AUTOMATIC CONTROL SEQUENCE

NORMAL BUILDING OPERATION

1. MZ-1 Multi-Zone Air Conditioning Unit supply fan operates continuously. Return Air Fan RF-1, Exhaust Fan XF-1 and Hot Water Pump P-1 are interlocked with supply fan.

2. Mixed air economy cycle temperature controller shall modulate normally open return air damper and normally closed maximum outside air damper to maintain schedule required by mixed air economy cycle temperature controller.

3. Hot Plenum temperature controller shall sense MZ-1 mixed air and hot plenum temperatures and modulate 3 way mixing valve, to maintain hot plenum temperature.

4. Zone thermostats, located where shown on the drawings, shall position hot and cold plenum dampers to maintain 75° F zone thermostat setting.

5. CU-1 air cooled condensing unit starts at mixed air temperature as indicated on the drawings. MZ-1 fan shall be proven before compressors start. Compressors shall cycle automatically to maintain 40° F. suction temperature.

6. Dual high-low pressure selector shall sense room temperatures and operate compressors and solenoid refrigerant valves. Compressors shall unload as per specifications with hot gas by-pass down to 10% capacity.

E.O.C. BUILDING OPERATION

7. System operation shall be the same as Normal Operation except a manual "E.O.C. EMERGENCY" switch shall drive the outside air damper to minimum position and the return air damper full open.

NORMAL JAIL OPERATION

8. AC-1 and AC-2 Package Air Conditioning Unit supply fans and XF-2 exhaust fan operates continuously. Units circulate 100% outside air. AC-1 temperature controller and AC-2 room thermostat modulate 3 way mixing valve for heating and cycle refrigeration unit for cooling to maintain zone temperatures.

E.O.C. JAIL OPERATION

9. AC-1 and AC-2 units and Exhaust Fan XF-2 do not operate. Jail hot water supply and return gate valves are closed manually.

POWER FAILURE JAIL OPERATION

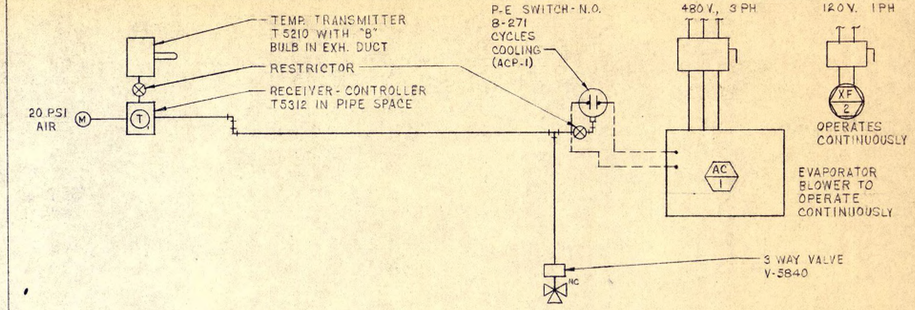
10. AC-1 and AC-2 unit supply fans and Exhaust Fan XF-2 operate, refrigeration cycle is automatically deenergized.

HOT WATER BOILER

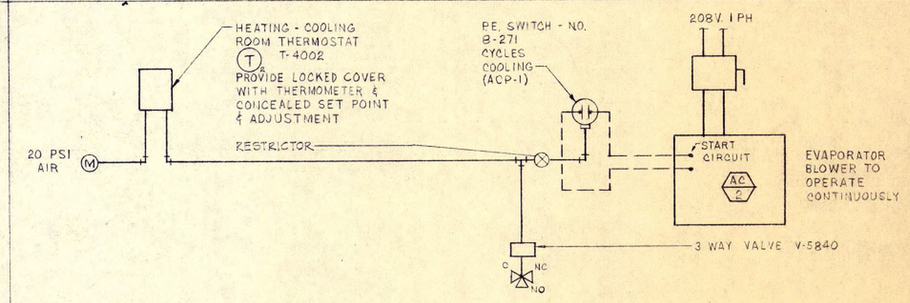
11. NORMAL OPERATION B-1 hot water boiler fires on natural gas to maintain 200° F. hot water below 70° F. outside temperature and P-1 hot water pump operates, above 75° F outside temperature B-1 Boiler and P-1 Pump are deenergized.

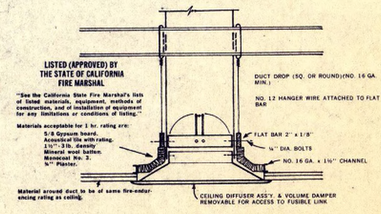
12. E.O.C. OPERATION B-1 hot water boiler is manually switched to oil-fired operation B-1 boiler and P-1 pump operate the same as above.

ELECTRIC & PNEUMATIC DIAGRAM FOR ZONE 1

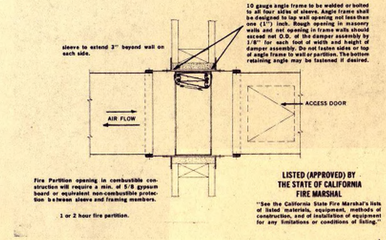


ELECTRIC & PNEUMATIC DIAGRAM FOR ZONE 2



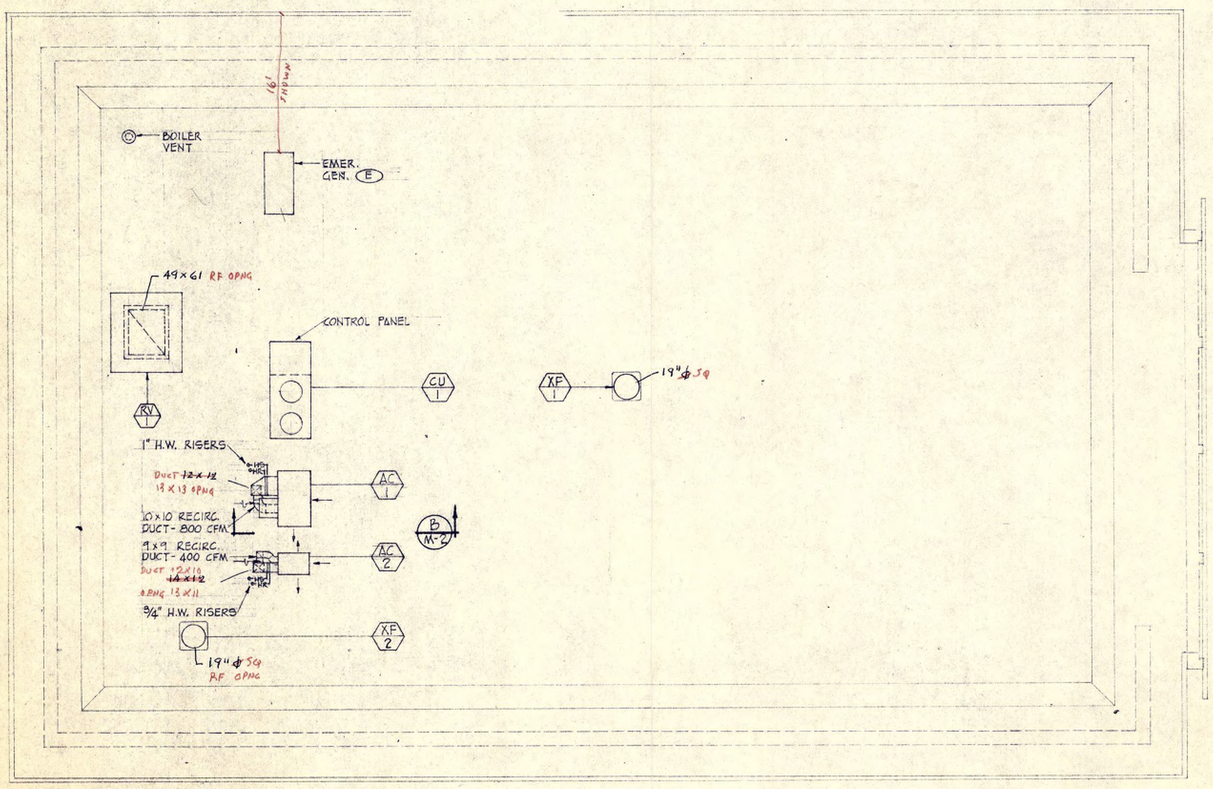


A TYPICAL CEILING FIRE DAMPER



B TYPICAL WALL FIRE DAMPER

MECHANICAL ROOF PLAN



SCALE 1/8" = 1'-0"

THOMAS H. PARRY & ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1585 NORTH LAKE AVENUE
PASADENA, CALIFORNIA 91104
798-2262
681-0083

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CRILEY & Mc DOWELL
ARCHITECTS & ASSOCIATES
ARCHITECTURE — PLANNING
1281 N. INDIAN HILL BLVD.
CLAREMONT, CALIFORNIA 91711
TELEPHONE (714) 624-3323

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