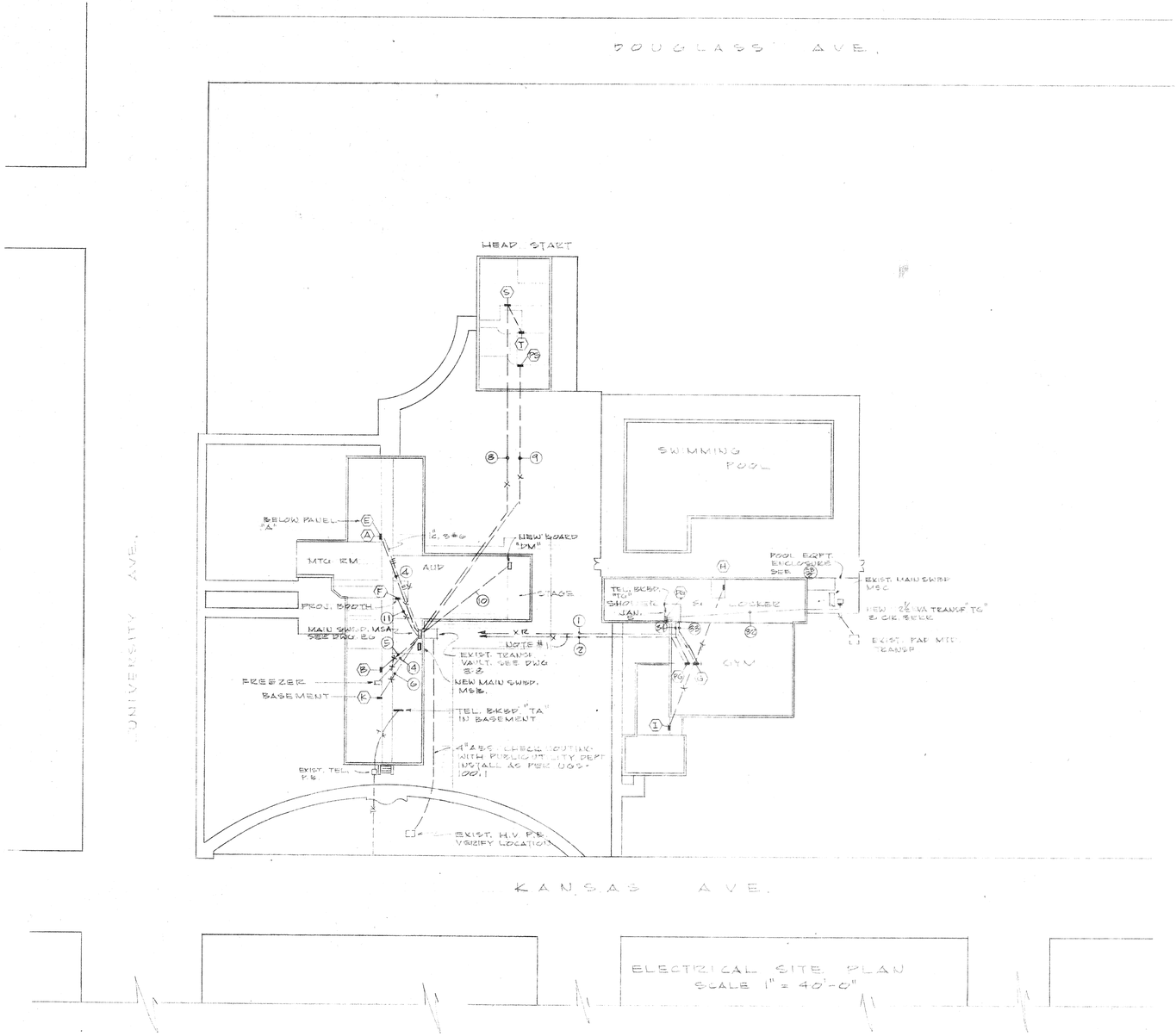


ELECTRICAL SITE PLAN
SCALE 1" = 40'-0"

TABLE OF SYMBOLS

MTG HT	SYMBOL	DESCRIPTION
+4'	S	1PIT TOGGLE SWITCH, S^2 - 2PIT, S^3 - 3WAY
	S_a	SWITCH CONTROL DESIGNATION
	S^P	SWITCH & PILOT LIGHT
	S^T	MANUAL MOTOR STARTER
	D	DIMMER, SOLID STATE - WATTAGE AS NOTED
	S^K	LOCK TYPE TOGGLE SWITCH
	A	FLUOR. LTG. FIXTURE, TYPE "A" INDICATED
	B	FLUOR. STRIP FIXTURE, TYPE "B"
	E	EXIT LTG. FIXTURE W/ NEW INTERIORS
EXIST.	K	HPS BRACKET UNIT INSTALLED OVER EXIST. OUTLET
	C	FLUOR. LTG. FIXTURE, TYPE "C" ON EMERG. POWER
+12"		DUPLEX RECEPTACLE, NEMA 5-15R
		DOUBLE DUPLEX RECEPTACLES
	GFI	GFI DUPLEX RECEPTACLE
	S	SPEAKER
		PANELBOARD
+4'		DISCONNECT SWITCH, "F" INDICATES FUSIBLE
		MOTOR OUTLET
+12"	J	JUNCTION BOX
+5'	T	THERMOSTAT OUTLET
AS DIRECTED		INTERCOM OUTLET
	M	MICROPHONE OUTLET ON FLOOR BOX
AS DIRECTED	M	MICROPHONE OUTLET FLUSH IN FACE OF STAGE
+15'	M	MICROPHONE OUTLET SUSPENDED BY CABLE FROM JUNC. BOX
		CONDUIT RUN CONCEALED IN WALLS OR CEILING
		CONDUIT RUN UNDER FLOOR OR UNDERGROUND
	#1,3	HOME RUN, CIRCUITS #1 & 3 TO PANEL "H" SHOWN
		½" C., 2 OR 3 #12
		¾" C., 4 #12
	#10	¾" C., 2 OR 3 #10
	E	EMERGENCY POWER RUN
	A	SOUND RUN, ½" C., 1 PR UNO
	T	TELEPHONE RUN, ¾" C.O. UNO
	X	EXISTING CONDUIT RUN
	IC	INTERCOM RUN, 1" C., 1 PR #12 UNO
	M	MICROPHONE RUN, ¾" C. WITH MIKE CABLE
	G	GROUND
	MH	MOUNTING HEIGHT
	C.O.	CONDUIT ONLY
	WP	WEATHERPROOF
	UNO	UNLESS NOTED OTHERWISE
	R	REMOVE
	X	EXISTING
	C	CEILING CAVITY MTD. OR CEILING MTD.
	E	EMERGENCY POWER

NOTES

1. FEEDER #2 SHALL BE DETACHED FROM EXISTING MAIN SWBD. MSA & EXTENDED TO TEL. BACKBOARD "TA" IN BASEMENT WITH 1¼" CONDUIT AFTER REMOVAL OF POWER CABLES. AT EXISTING PANEL "PG", INSTALL FLUSH 12" SQ. x 6" D. PULL BOX AND EXTEND NEW TELEPHONE CONDUIT TO BACKBOARD "TG" WITH 1¼" C.O. SEE DETAIL E8/1 AND DWG. E-3.

K. Matsuoka

KEN MATSUOKA, E.E., INC.
479 N. Tustin Ave. Suite 10
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2617

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA 92501
(714)-684-4011

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized by the Architect, in writing.

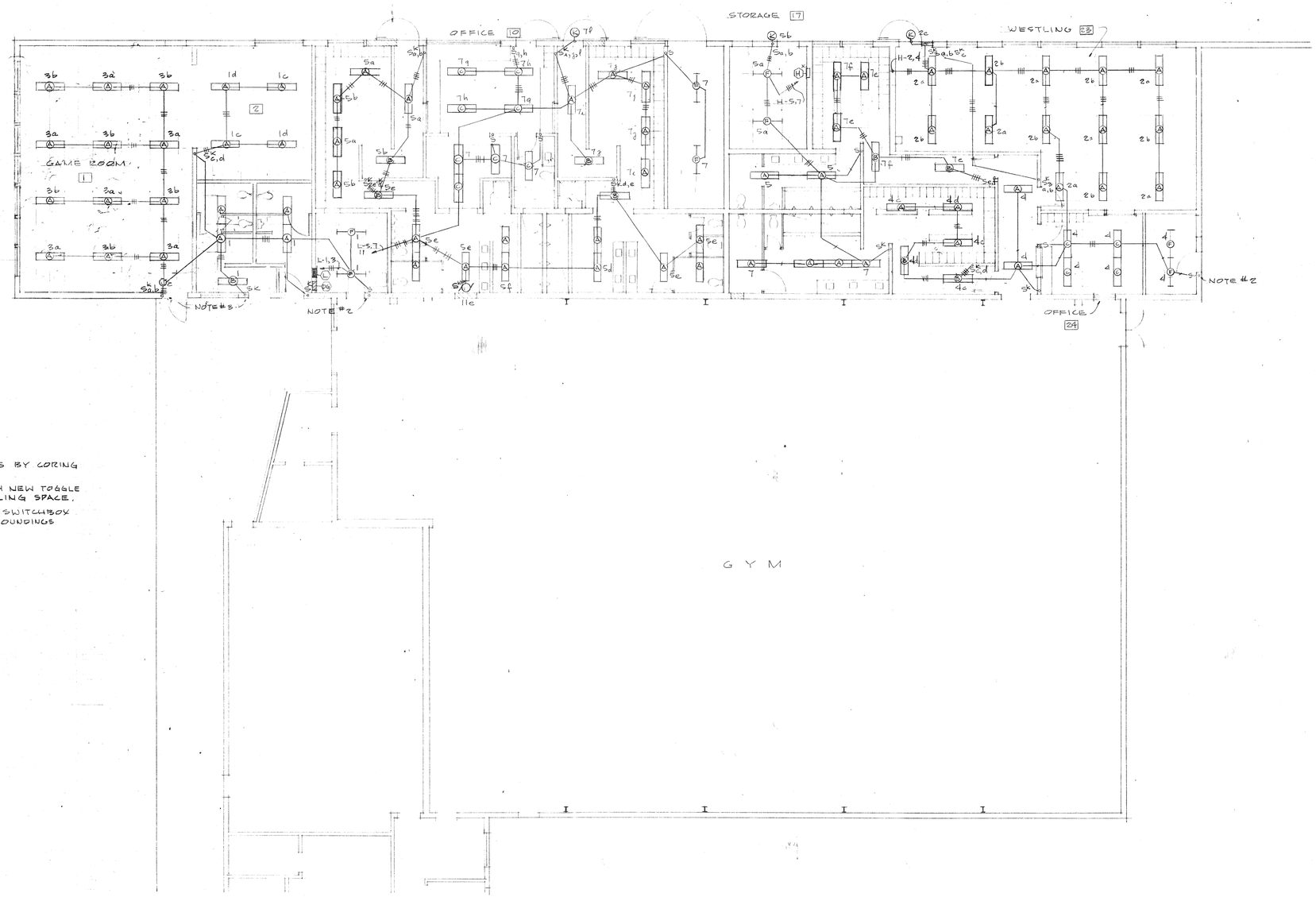
REHABILITATION OF THE
BOBBY BONDS COMMUNITY CENTER
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE RIVERSIDE, CALIFORNIA

ELECTRICAL SITE PLAN, SYMBOL LIST

P-0234
MAR. 19, 1984
BY KM

SHEET No.
E-1
OF 8

83-08-17



NOTES

1. INSTALL NEW CONDUIT THROUGH EXISTING WALLS BY CORING THROUGH. PATCH TO MATCH SURROUNDINGS.
2. REMOVE EXISTING SWITCH AND REPLACE WITH NEW TOGGLE SWITCH. INSTALL WIRING IN WALL UP TO CEILING SPACE.
3. CHASE OR CUT EXISTING WALL TO INSTALL FLUSH SWITCHBOX AND TO CONCEAL CONDUIT. PATCH TO MATCH SURROUNDINGS AFTER INSTALLATION OF ELECTRICAL WORK.

SHOWER, LOCKER & GYM ELECTRICAL PLAN (E2/1)
SCALE 1/8" = 1'-0"

Section TZC 14y7 Title 24, California Administrative Code has been reviewed and the design submitted conforms substantially with those regulations.

K. Matsuoka
Ken Matsuoka, M.E. Reg. # E 2617

K. Matsuoka

KEN MATSUOKA, E. E.
479 N. Tustin Ave. Suite 11
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2617

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA
(714)-684-4011 92501

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized by the Architect, in writing.

REHABILATION OF THE
BOBBY BONDS COMMUNITY PARK
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE RIVERSIDE, CALIFORNIA

ELECTRICAL PLAN OF BATH HOUSE BUILDING

P-0234
MAR 19, 1984
BY DNM
SHEET No.
E-2
OF 8

83-08-17

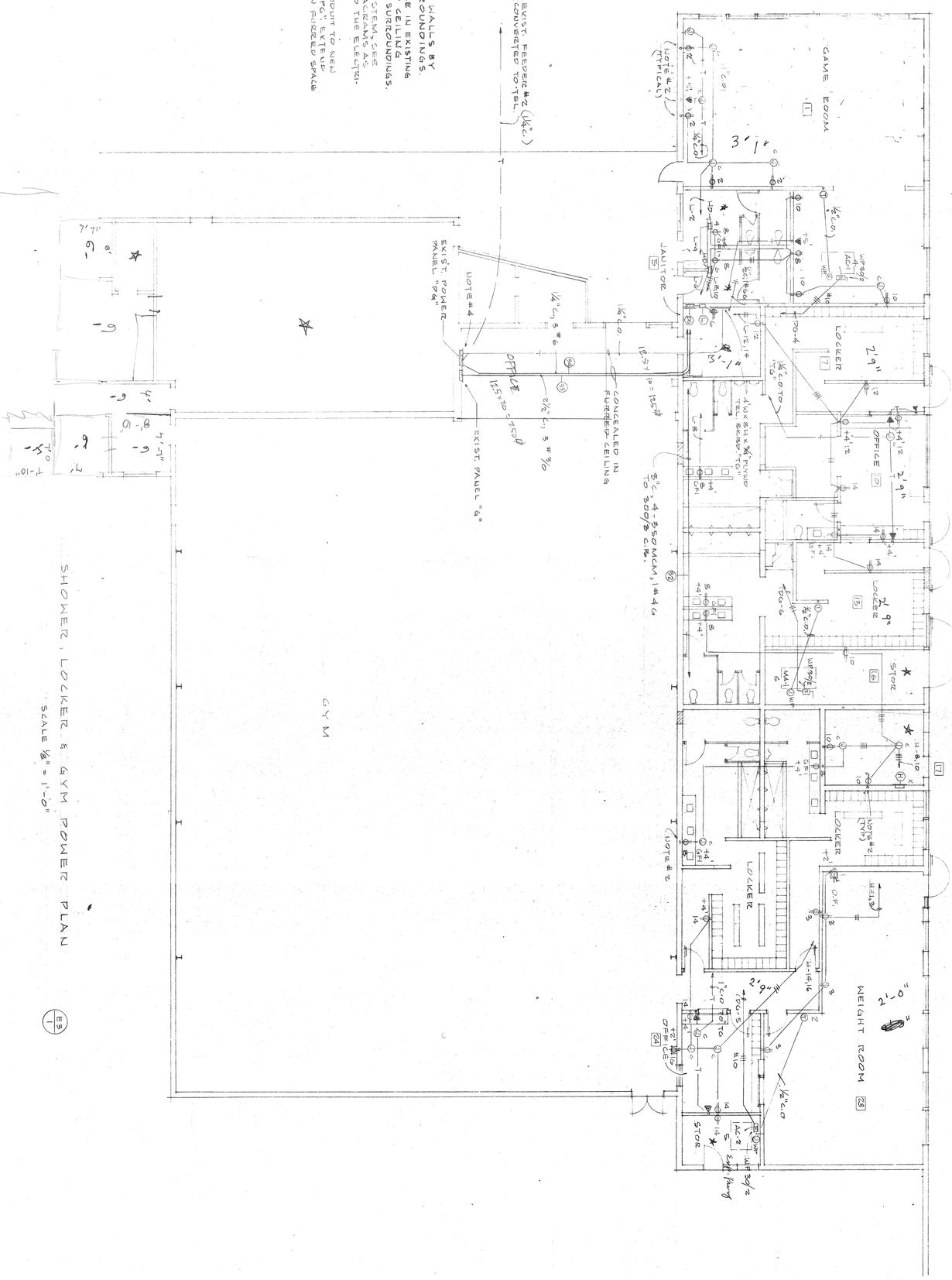
NOTES

1. INSTALL NEW CONDUIT THROUGH EXISTING WALLS BY CORING THROUGH. PATCH TO MATCH SURROUNDINGS.
2. INSTALL NEW RECEPTACLE OUTLET OR DEVICE IN EXISTING WALLS AND CEILINGS. INSTALL NEW CONDUIT IN EXISTING SPACE BY CUTTING WALL. PATCH TO MATCH SURROUNDINGS.
3. FOR ELECTRICAL WORK ON THE MECHANICAL SYSTEMS SEE DRAWINGS M1 & M2. CONTROL AND WIRING DIAGRAMS AS SHOWN ON MECHANICAL SHEETS SHALL APPLY TO THE ELECTRICAL WORK AS IT HEREIN REPEATED
4. BREAK WALL BELOW EXIST. PANEL "PG" & BEND CONDUIT TO NEW FLUSH 12"SQR X 6"D PULL BOX ADJACENT TO PANEL "PG". EXTEND NEW 1" EMT CONDUIT FROM BOX ABOVE IN WALL AND IN FURRED SPACE TO NEW TELEPHONE BACKBOARD "TG".

SHOWER, LOCKER & GYM POWER PLAN

SCALE 1/8" = 1'-0"

(E5.1)



K Matsuoka

KEN MATSUOKA, E.E., INC.
479 N. Tustin Ave. Suite 10
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2617

BATH HOUSE
FLOOR PLAN

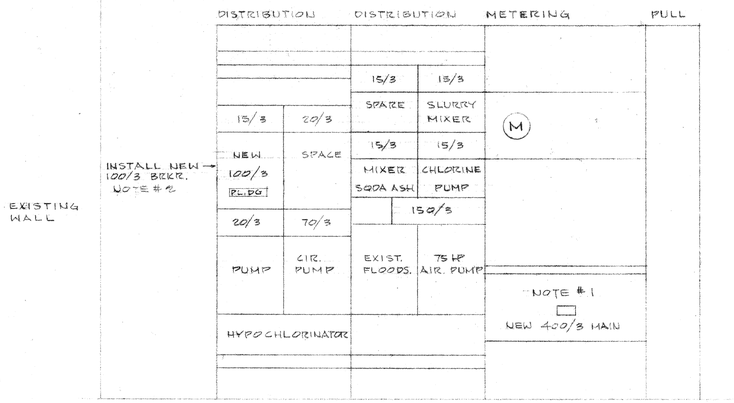
REHABILATION OF THE
BOBBY BONDS COMMUNITY PARK
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE RIVERSIDE, CALIFORNIA

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized by the Architect, in writing.

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA
(714)-684-4011 92501

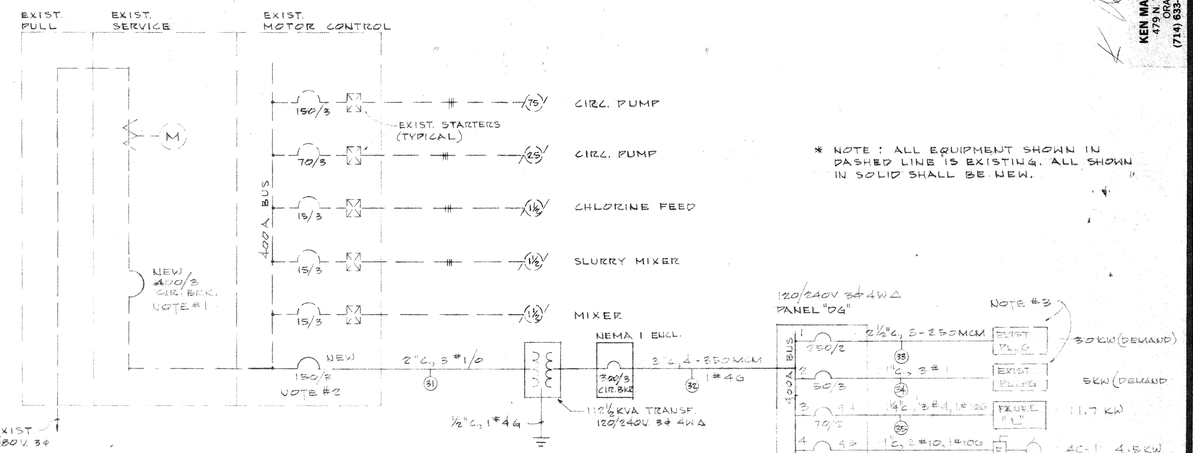
PROCESS MAR. 19, 84
BY D.N.M.
SHEET No. E5.1
OF 8

83-08-17



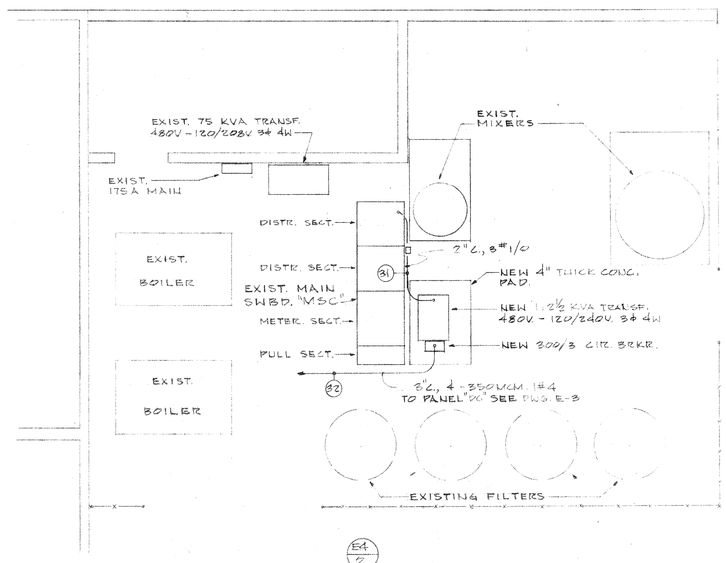
EXIST. POOL MAIN SWITCHBOARD ELEVATION (E4/1)

SCALE 3/4" = 1'-0"



POOL MAIN SWBD. "MSC" SINGLE LINE DIAGRAM (E4/3)

* NOTE : ALL EQUIPMENT SHOWN IN DASHED LINE IS EXISTING. ALL SHOWN IN SOLID SHALL BE NEW.



EXIST. POOL EQUIPMENT YARD (E4/2)

SCALE 1/4" = 1'-0"

FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MANUFACTURER & CAT NO.
A	PRISMATIC LEXAN 1 PIECE TAMPER PROOF UNIT	2/24 FB	KENALL #7270 W/ 2 SCREWDRIVERS MARCO # K1435 W FC2-35
B	PRISMATIC LEXAN DIFFUSER, AMPLY TAMPER PROOF UNIT	1/24 FB	MARCO # K1435 W FC2-35
C	11" WIDE MODULAR ACRYLIC LENS FOR D/F POLY-STYRENE HOUSING, WHITE ENAMEL	2/31 TRS	PRUDENTIAL # P-1802-48-PEA
D	LEXAN VAPORPROOF SURFACE MTD. UNIT	2/40 WP	KENALL # 3662 MARCO # N2010CH
E	NOTE: INSERT FROM FIXTURE TYPE H REFLECTOR CAN TO MATCH FLUTE WITH ALL SOLID FLAT ENCLOSURE	2/10W TRS	
F	STORM PROOF TYPE DOWN CHARGE	2/34 EP	PRUDENTIAL # P-122-48-ED
G	PORCELAIN PORCELAIN MEDIUM SOCKETS, SAFE ANGLE, 4" SPUN	6 OUT	INTERMEDIATE # 2103 W/ #2127P 4" PORCELAIN SOCKETS, #2117GA
H	PEDESTAL DECORATIVE FIXTURE, TYPE A, ALUMINUM FINISH	500W	15A 125V RECEPT. #500 ALLOWANCE PER FIXTURE, TYPICAL 12 FIXTURES = #6000.00
I	BRACKET MTD. DECORATIVE EXIT LITE, TO BE SELECTED BY OWNER	60W	#200 ALLOWANCE PER FIXTURE, TYPICAL 8 FIXTURES = #1600
K	HPS LEXAN BRACKET MTD W/ PHOTO-MATIC LEXAN LENS BYPASS LEXAN BODY & VANDAL PROOF DOME	70W HPS	BENJAMIN # OLW-170-120
L	ARCHITECTURAL FLOOD LIGHT FIXTURE, FLOOD BEAM	2/BW TB	C.W. COLE # SPECIFICATION HUBBELL #S-233 FOX VW # S-2525 BEAM LOCKING.
M	DISPLAY CASE LIGHTING, 24" LONG WITH LAMP HOLDER, ALL BODY & REFLECTOR FINISHED IN WHITE ENAMEL	2/34 RS	C.W. COLE # EC-2/34 RS-96 TW
N	INSTALL REFLECTOR LAMP HOLDER WITH ADJUSTABLE HOUSE		

NOTES

1. CHANGE OUT EXIST. 250/3 MAIN CIR BRKR WITH NEW 400/3 CIR, COMPLETE WITH ALL HARDWARE, ACCESSORIES, ETC.
2. INSTALL NEW BREAKER IN EXISTING SPACE COMPLETE WITH NEW FRONT PLATE, JUMPERS, HARDWARE, B/W MICARTA NAMEPLATE, ETC
3. REMOVE EXISTING FEEDERS TO EXIST BOARD "MSA" AND INSTALL NEW FEEDERS # 33 & 34 TO EXIST. PANELS "G" & "PG" REFER TO ELECTRICAL SYSTEMS.

LOAD TABULATION

75 HP PUMP	=	80 KW
25 HP PUMP	=	28 KW
MISC. MOTOR LOAD	=	10 KW
PANEL LSP	=	23 KW (DEMAND)
PANEL G & PG	=	35 KW (DEMAND)
PANEL L	=	12 KW
AC (SAL BLDG)	=	11 KW
TOTAL	=	196 KW

OR 260 AMPS @ 1 PH 277/480V 3Φ

KEN MATSUOKA, E.E., INC.
479 N. TUSTIN AVE., Suite 10
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2817

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA 92501
(714)-684-4011

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized by the Architect, in writing.

REHABILITATION OF THE BOBBY BONDS COMMUNITY PARK
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE RIVERSIDE CALIFORNIA

POOL MAIN SWBD. ELEVATION, SINGLE LINE DIAGRAM, & PLAN

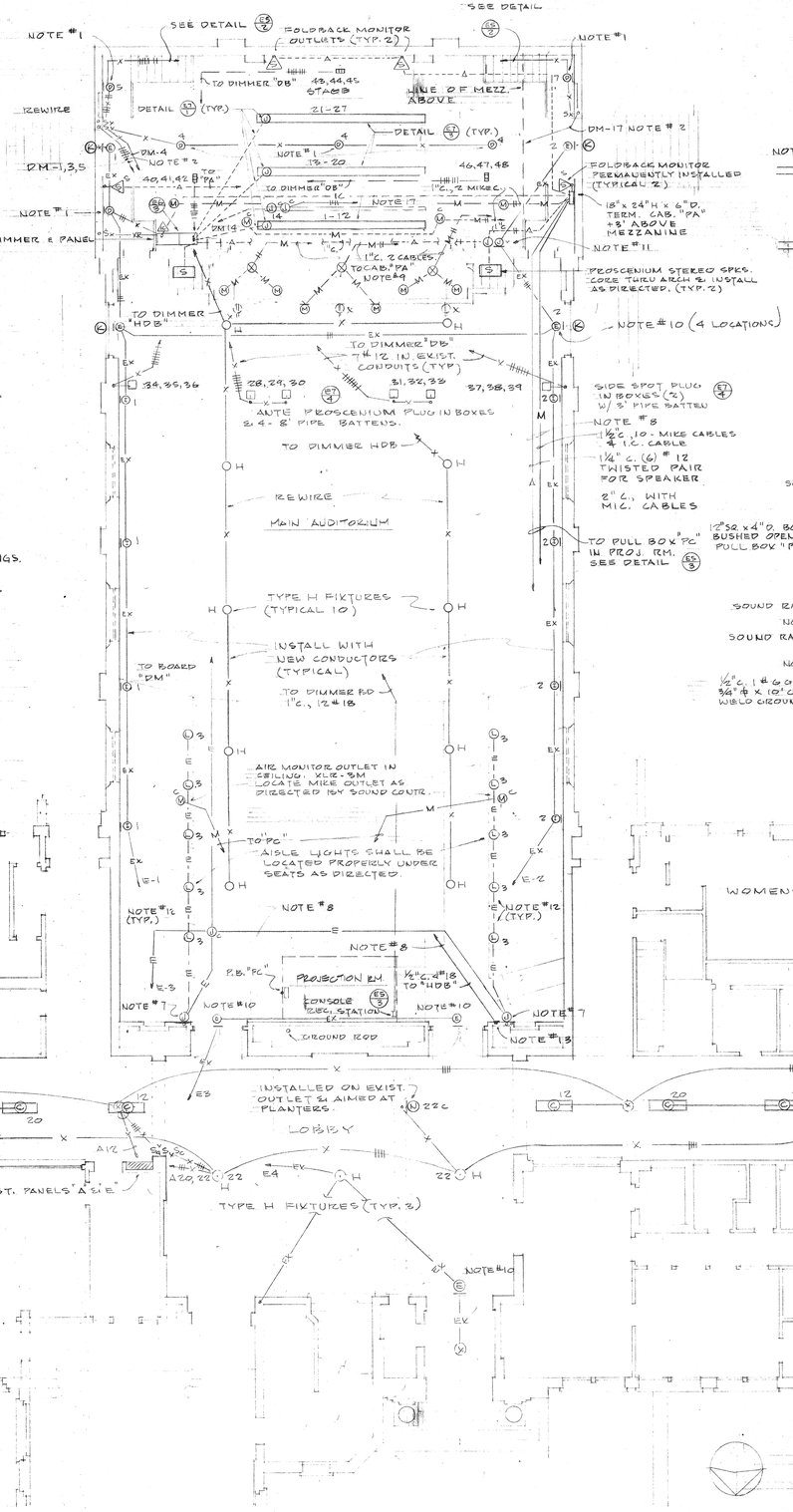
P-0234
MAR. 19, 1984
BY DNM

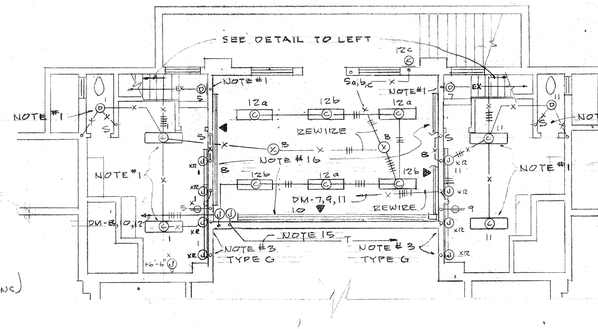
SHEET No.
E-4
OF 8

83-08-17

NOTES

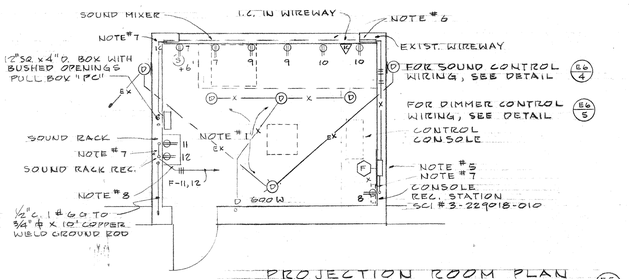
1. REMOVE EXIST. LIGHT FIXTURE AND REPLACE WITH NEW FIXTURE AS SHOWN. EXTEND OR REPULL NEW CONDUCTORS AS NECESSARY. REPLACE SWITCH.
2. INSTALL CONDUCTORS IN EXISTING CONDUIT OR INSTALL NEW CONDUIT BY RUNNING EXPOSED UP WALL AND ACROSS TO PANEL "DM".
3. BLANK OVER EXISTING J. BOXES (4) AND RESTORE CONTINUITY OF WIRING, INSTALL NEW TYPE "G" FIXTURE WITH WIREMOLD 2100 PER DETAIL E7/5.
4. REMOVE EXISTING SWITCH AND INSTALL NEW DIMMER. REPULL NEW CONDUCTORS AND RESTORE CONTINUITY.
5. INSTALL NEW 20/1 BREAKERS (6) IN SPACES OF PANEL "F". DESIGNATE AS CIR. BREAKER 7, 9, 11 ON LEFT SIDE AND 8, 10, 12 ON RIGHT SIDE.
6. INSTALL 6 NEW RECEPTACLES IN EXIST. WIREWAY AND RUN 3 NEW CIRCUITS, 5 #12, IN EXISTING CONDUIT. INSTALL NEW COVER ON WIREWAY, AND PAINT TO MATCH SURROUNDINGS.
7. INSTALL NEW CONDUIT, CONDUCTORS, RECEPTACLE, JUNCTION BOX ETC. IN EXISTING WALL BY CUTTING WALL. PATCH TO MATCH SURROUNDINGS.
8. INSTALL NEW CONDUIT AND CONDUCTORS IN EXISTING CEILING BY CUTTING CEILING WHERE NECESSARY. PATCH TO MATCH SURROUNDINGS.
9. INSTALL NEW CONDUIT UNDER STAGE FLOOR AND EXPOSED UP STAGE WALL TO CABINET "PA". CUT FLOOR WHERE NECESSARY AND PATCH TO MATCH SURROUNDINGS.
10. REMOVE INTERIORS OF EXIST. EXIT LIGHT AND REPLACE WITH NEW EXIT LTG. FIXTURE TO FIT INTO EXIST. RECESS ENCLOSURE. INSTALL WITH NEW FRONT PLATE & RESTORE TO FIRST CLASS OPERATING CONDITION
11. REMOVE EXIST. LIGHT FIXTURE AND BLANK OVER. RESTORE CONTINUITY OF WIRING.
12. INSTALL NEW AISLE LIGHT, FLOOR BOX AND CONDUIT IN FLOOR. RUN CONDUIT TO EXIST. WALL AND UP IN CEILING BY CUTTING FLOOR WALL & CEILING WHERE NECESSARY. PATCH TO MATCH SURROUNDINGS.
13. INSTALL NEW PANIC SW. FOR HDB & RUN CONDUIT UP WALL INTO CEILING SPACE. CUT WALL AND CEILING AS NECESSARY. PATCH TO MATCH SURROUNDINGS.
14. REMOVE ALL EXISTING CORRIDOR FIXTURES & RESTORE CONTINUITY OF CIRCUITS. BLANK OVER UNUSED EXISTING OUTLETS. OUTLETS BEING USED AS JUNCTION BOXES INSTALL WITH EXTENSION BOX & COVER & EXTEND TO NEW FIXTURES WITH FLEX. CONDUITS & WIRE.
15. RUN 1" TELEPHONE CONDUIT UNDER PLATFORM & UP WEST SIDE UP INTO ATTIC SPACE TO TELEPHONE CABINET "TD"
16. INSTALL WIREMOLD #G-4000 ON 3 SIDES OF NEW OFFICE WITH ALL NECESSARY ACCESSORIES WITH RECEPTACLE CIRCUITED ALTERNATELY ON DM-8 & 10 EVERY 6' 0/c (3 #G-4046B PER WALL - 9 TOTAL)
17. INSTALL PROJECTION SCREEN REMOTE CONTROL RUN OF 3/4" C., 4 #12 UP WEST WALL INTO ATTIC SPACE TO CONTROL ADJACENT TO DIMMER CONSOLE IN PROJECTION BOOTH.





DRESSING ROOM PLAN

SCALE 1/8" = 1'-0" (ES/2)



PROJECTION ROOM PLAN

SCALE 1/4" = 1'-0" (ES/3)

AUDITORIUM ELECTRICAL PLAN

SCALE 1/8" = 1'-0"

K. Matsuoka

KEN MATSUOKA, E.E., INC.
479 N. Lustin Ave. Suite 10
West Covina, California 91790
(714) 633-7761 CA. Reg. #E-2617

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA 92501
(714)-684-4011

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized in writing by the Architect, in writing.

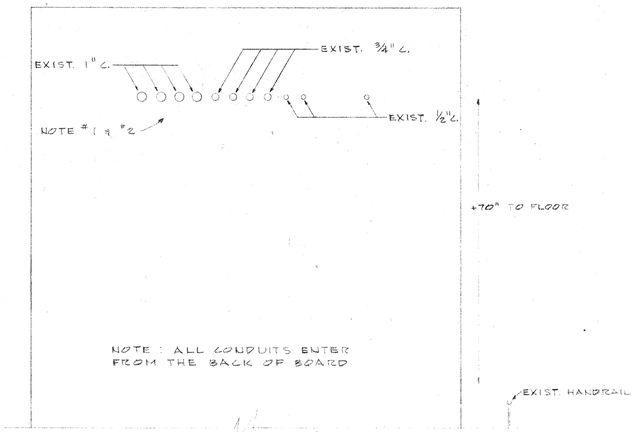
REHABILITATION OF THE
BOBBY BONDS COMMUNITY PARK
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE RIVERSIDE, CALIFORNIA

AUDITORIUM ELECTRIC
PROJECTION ROOM &
DRESSING ROOM PLAN

P-0224
MAR 19, 1984
BY: D.U.M.

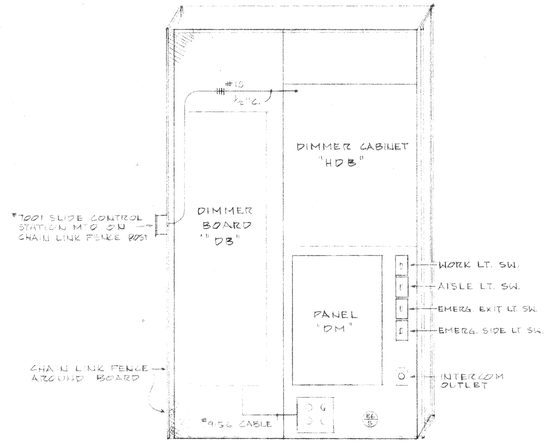
SHEET No.
E-5
OF 8

83-08-17



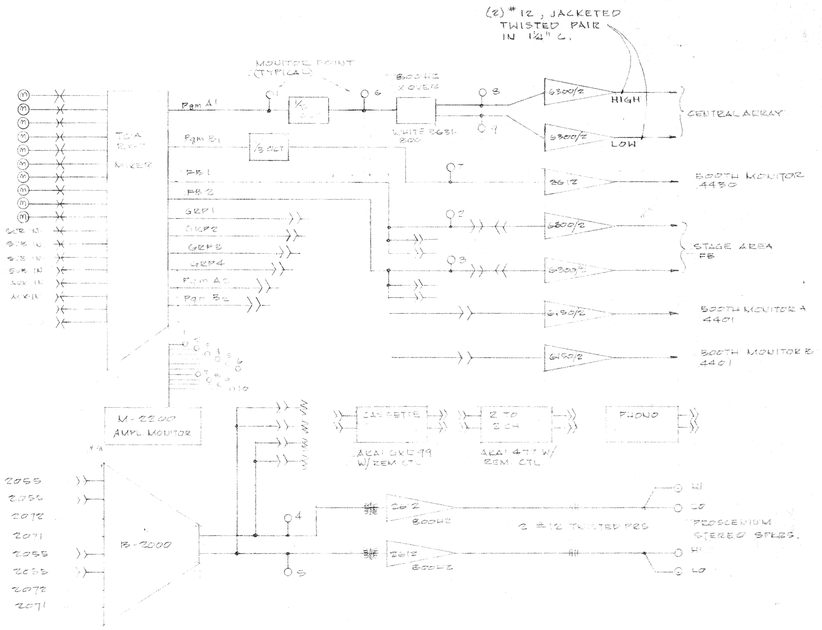
CONDUIT ELEVATION OF EXISTING DIMMER BOARD (E6/1)

SCALE ½" = 1'-0"

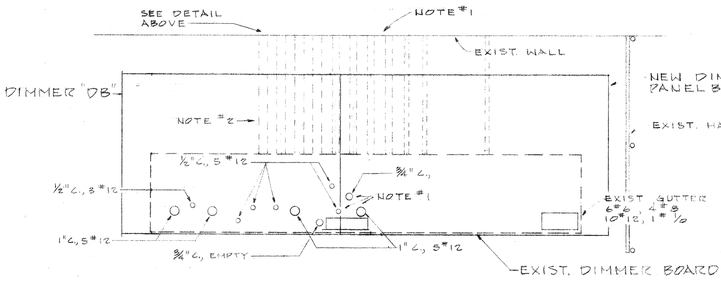


ELEVATION OF NEW DIMMER & PANELBOARD (E6/3)

SCALE ⅜" = 1'-0"



SOUND SYSTEM WIRING DIAGRAM

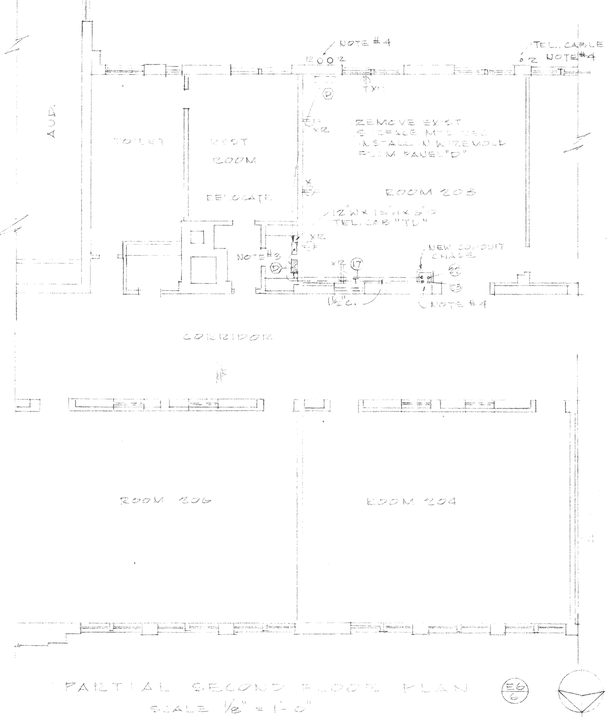


CONDUIT DETAIL OF EXISTING DIMMER BOARD (E6/2)

SCALE ½" = 1'-0"

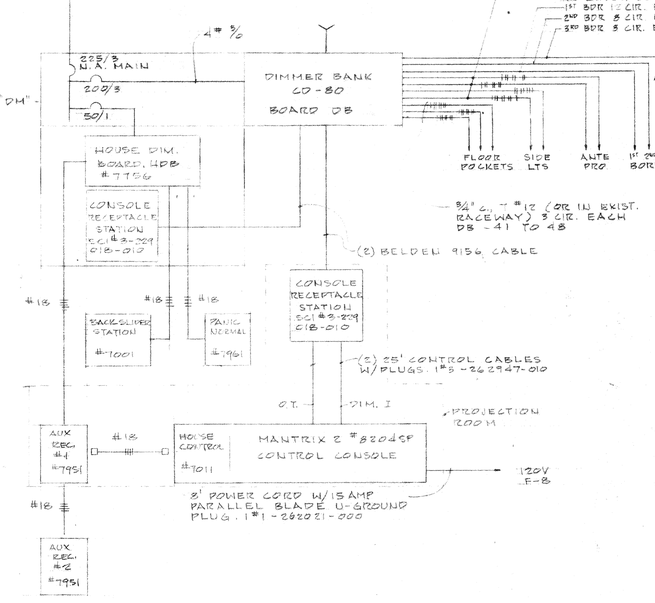
NOTES

1. CUT BACK EXIST. CONDUITS AND/OR REBEND CONDUITS WHERE NECESSARY TO FACILITATE NEW DIMMER BOARD & PANEL BOARD.
2. EXIST. CONDUITS & CONDUCTORS NOT BEING USED SHALL BE REMOVED.
3. RELOCATE EXISTING SQUARE D- 16 CIRCUIT PANEL AS SHOWN AND RECONNECT ALL EXISTING ACTIVE CIRCUITS CONCEALED IN WALLS, CEILING SPACES, ETC. INCLUDING ALL A/C & HTG. APP'S.- 20/1 C.B., IN EXISTING SPACES.
4. REMOVE ALL EXPOSED CONDUIT & TELEPHONE RUNS FROM SOUTH WALL & CONCEAL IN NEW CONDUIT CHASE. REINSTALL FEEDERS E17 & 22 & STUB 1½"℄ 0, ABOVE ROOF & CAP. INSTALL NEW 1½"℄ (TEL) RUN FROM NEW TEL. CAB "TD" TO BASEMENT MAIN BACKBOARD "TA". RECONNECT ALL TEL. OUTLETS TO NEW TEL. CAB "TD"



PARTIAL SECOND FLOOR PLAN (E6/6)

SCALE ⅛" = 1'-0"



DIMMER CONTROL DIAGRAM (E6/5)

KEN MATSUOKA, E.E., INC.
479 N. Tustin Ave. Suite 10
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2617

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA 92501
(714)-684-4011

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copy-right, is strictly prohibited unless authorized by the Architect, in writing.

REHABILITATION OF THE BOBBY BONDS COMMUNITY CENTER

RIVERSIDE COMMUNITY CENTER PARK

CITY OF RIVERSIDE RIVERSIDE, CALIFORNIA

DIMMER BOARD & CONTROL DETAILS SOUND CONTROL DIAGRAM

P-0234
MAR. 19, 1984
BY D.U.M.

SHEET No.

E-6

OF 8

88-08-17

CABLE RIGGING ACCESSORIES

1550 – Cable Clamp

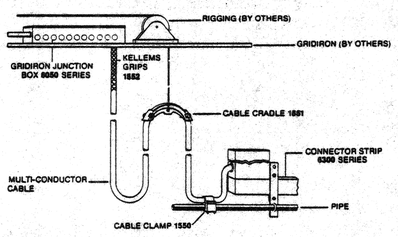
- For clamping up to 1¾" (44mm) pipe and 1¾" (44mm) cable.

1551 – Cable Support Cradle

- Used to take up slack in multiconductor cable (up to 1¾" (44mm)) when borderlights, connector strips or plug-in boxes are raised and lowered from the grid.

1552 – Kellems Grips

- Protects cable by eliminating sag and tension on cable terminals.
- Available in sizes to fit ½" (13mm) to 4" (102mm) cables.

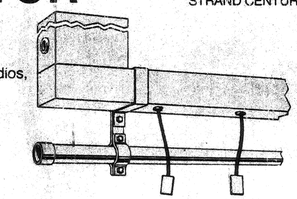


CONNECTOR STRIP

6300 series
STRAND CENTURY

Ideal for theatres, television studios, auditoriums and display areas.

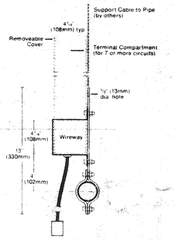
- Rugged wire-way for feeding lighting equipment vertically or horizontally.
- Custom built to meet specific needs as designated by a specialized ordering code.



Ordering Code				
Series Number	Length of Strip in ft.	Number of Outlets	Type of Connectors	Number of Circuits
◇	◇	◇	◇	◇
63	-	-	see below*	-

*Connector Variations	
Suffix	Description
GP GTL	Grounded Pin Connector Grounded Twistlock
F preceding suffix designates flush receptacle.	

e.g. 63GP– ____ CCTS – means ___ in length with ___ 18" (457 mm) pigtails with grounded Twistlock female connectors on individual circuits.



Specifications

This unit shall consist of a 4" x 4" (102 mm x 102 mm) 18 gauge steel wire-way with removeable cover sections for access, labelled with circuit numbers.

Each strip shall have a terminal compartment which shall be factory installed on the right or left end as required which shall contain molded barrier type terminals for feed connection.

The strip shall be provided with heavy steel mounting straps on approximately 5' (1.5m) centers, to grip up to 2" (51 mm) pipe.

Type S or SO, 18" (457 mm) cable pigtails shall be secured by strain reliefs and shall be furnished with three pole grounded type female receptacles. Flush receptacles are available in lieu of pigtails.

Internal wiring shall be rated at 125° C. Overall length of the unit shall be as shown on the drawings and each pigtail shall be spaced and wired in accordance with the circuit schedule.

Exterior finish shall be baked enamel and the entire unit shall be U.L. listed and CSA approved in Canada.

E7/1

CABLE CRADLE DETAIL

NO SCALE

E7/3

CONDUCTOR STRIP DETAIL

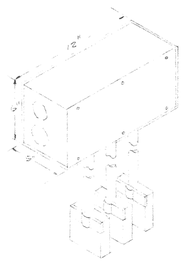
NO SCALE

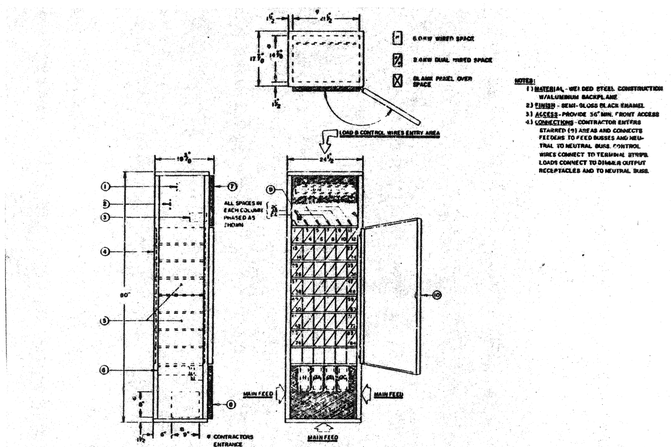
E7/4

PLUG-IN BOX DETAIL

NO SCALE

SURFACE MTD. PLUG IN BOX W 16" PIGTAILS & PIN CONNECTORS





NOTES:
1) MATERIAL - WELDED STEEL CONSTRUCTION W/ALUMINUM BACKPLANE
2) FINISH - BEIGE GLOSS BLACK ENAMEL
3) ACCESS - PROVIDE 36" MIN. FRONT ACCESS
4) CONNECTIONS - CONTRACTOR ENTERS STARTER (#1) AREA AND CONNECTS FEEDERS TO FEED BUSSES AND NEUTRAL TO NEUTRAL BUSS, CONTROL WIRES CONNECT TO TERMINAL STRIPS. LOADS CONNECT TO DIMMER OUTPUT RECEPTACLES AND TO NEUTRAL BUSS.

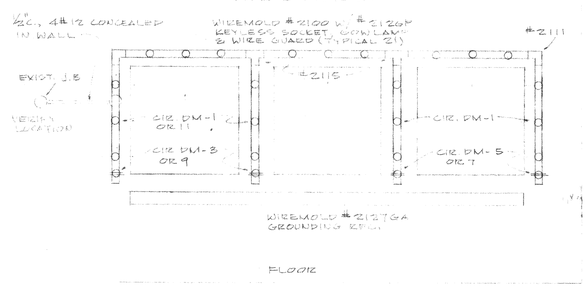
CD-80 DIMMER BANK (1 RACK)

E7/2

ELEVATION OF DIMMER BOARD "DB"

NO SCALE

TYPE G FIXTURE



E7/5

DRESSING ROOM MIRROR LIGHTING DETAIL

SCALE ½" = 1'-0"

K. Matsuoka

KEN MATSUOKA, E.E., INC.
479 N. Tustin Ave., Suite 10
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2617

PANEL DM — VOLTS 120/208 — PHASE 3 — WIRE 4 — LOCATION — FEEDER — MAIN BKR: M.L.O. — 225 A. BUSSING — ENTER CAB'T. AT FLUSH MTG.

LOCATION	WATTAGE ◆A	◆B	◆C	LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE ◆A	◆B	◆C	LOCATION
BOYS DRESSING	1470			1			1	20/1		20/1	2			1	360			AISLE LTS.
BOYS REC.		360			2		3	"			4		3			300		WORK LTS.
"			360			2	5	"			6			1			540	EXIST. REC. FACE OF STG.
GIRLS REC.	360				2		7	"			8	E		1	720			OFF. 121
"		360			2		9	"			10	M		1			180	"
GIRLS DRESSING			420	1			11	"			12	T					540	"
SPARE							13	"			14							PROJ. SCREEN
"							15	"			16							SPARE
"							17	"			18							"
BOILER DB	1600						19	225/2P			20							"
"		1600					21	"		50/1	22				540			HDB
"			1600				23	"		20/1	24				180			STAKE
◆A= 4030W				◆B= 2610W											◆C= 3,720 W			
TOTAL CONNECTED LOAD: 10,360W																		
L.C.L.: 4990W x 125 = 6238W + 3720W = 9958W OR 48 AMPS.																		

PANEL H — VOLTS 120/240 — PHASE 1 — WIRE 3 — EXISTING — LOCATION — FEEDER — MAIN BKR: M.L.O. — 100 A. BUSSING — ENTER CAB'T. AT FLUSH MTG.

LOCATION	WATTAGE ◆A	◆B	LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE ◆A	◆B	LOCATION
D.F.	500			1		1	30/1		15/1	2			15	975		WRESTLING
WEIGHT ROOM		720			4	3	"			4			15		960	OFFICE
STORAGE	720					5	15/1			6		2		360		TEL.
SHOWER, LOCKER		660		9		7			20/1	8		2			540	TOILETS
EXISTING	800			6		9				10		3		540		STORAGE
"		800				11				12						
SPARE						13				14		4		720		OFFICE 24
"						15				16		1			500	D.F.
"						17			15/1	18						SPARE
"						19			"	20						"
◆A= 4295W				◆B= 4160W												
TOTAL CONNECTED LOAD: 8455W																
L.C.L.: 2975W x 1.25 = 3720W + 5480W = 9200W OR 38 AMPS																

PANEL L — VOLTS 120/240 — PHASE 1 — WIRE 3 — LOCATION — FEEDER — MAIN BKR: M.L.O. — 100 A. BUSSING — ENTER CAB'T. AT FLUSH MTG.

LOCATION	WATTAGE ◆A	◆B	LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE ◆A	◆B	LOCATION
[illegible]	540					1	30/1		20/1	2		4		720		GAME ROOM
EQUIP. ROOM		900				3				4	1				1500	HAND DRYER
SHOWERS	1800			18		5				6	1			1500		"
OFFICE #10		975		1		7				8		4			720	TOILET
SPARE						9				10		4		720		OFFICE #2
BF-1	800				1	11				12		4			720	OFFICE #10
SPARE						13				14		4		720		LOCKER
"						15				16						SPARE
SPACE						17				18						
						19				20						SPARE
						21				22						
						23				24						
						25				26						SPACE
						27				28						
						29				30						
◆A= 5760W				◆B= 5915W												
TOTAL CONNECTED LOAD: 11,675W																
L.C.L.: 4275W x 1.25 = 5345W + 7400W = 12,745W OR 53 AMPS																

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA 92501
(714)-684-4011

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized by the Architect, in writing.

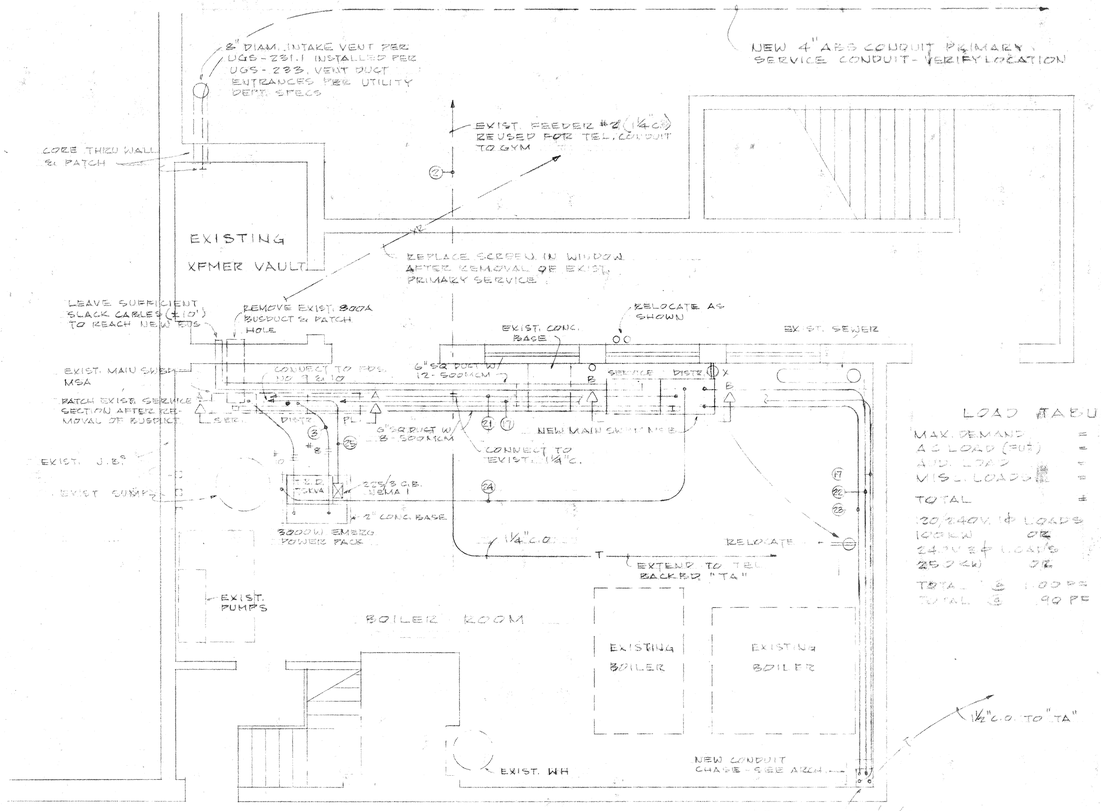
REHABILITATION OF THE
BOBBY BONDS COMMUNITY PARK
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE
RIVERSIDE, CALIFORNIA

CABLE RIGGING
CONNECTOR STRIP
ELEVATION OF DIMMER BOARD

B-0234
MAR 19 1984
BY D.N.M.

SHEET No.
E-7
OF 8

83-08-17



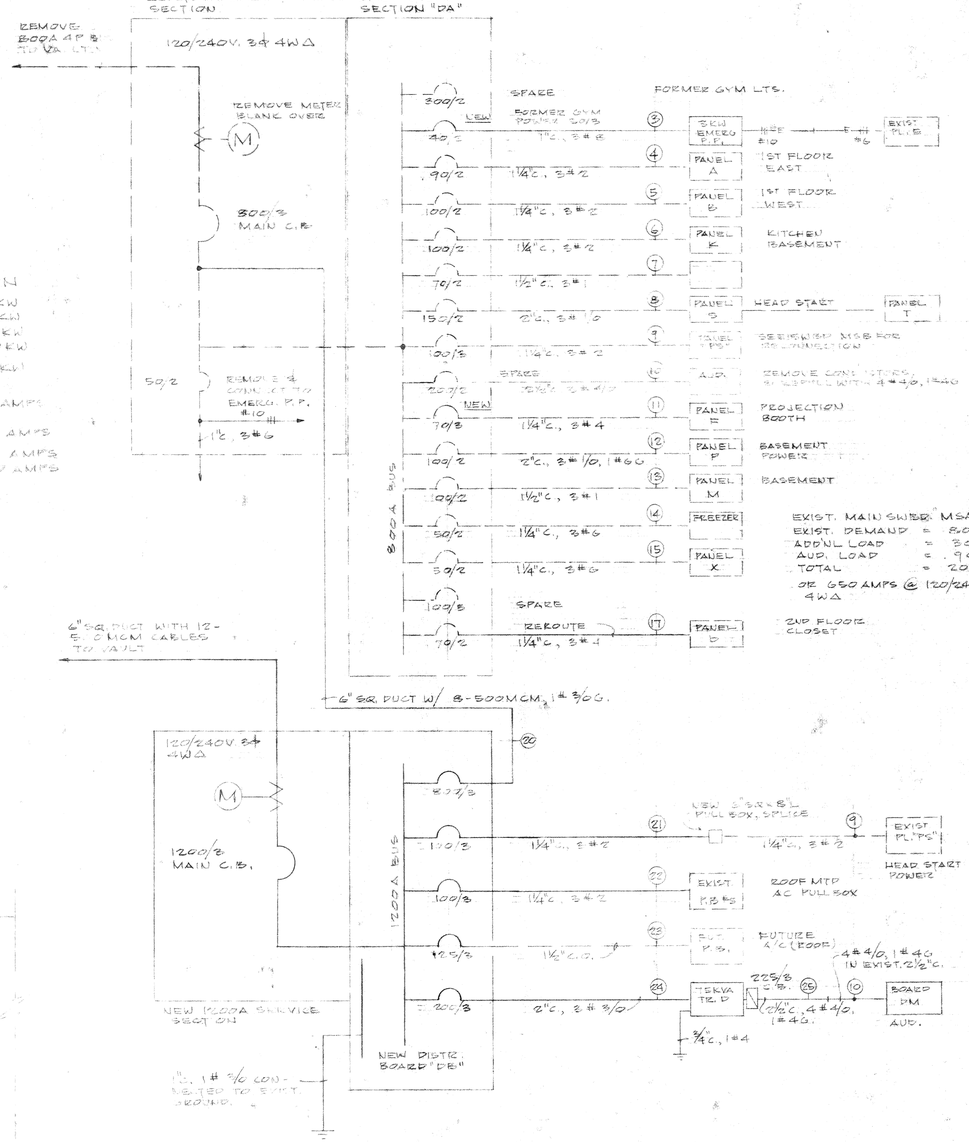
EXISTING ELECTRIC ROOM PLAN

SCALE 1/4" = 1'-0"

E8/1

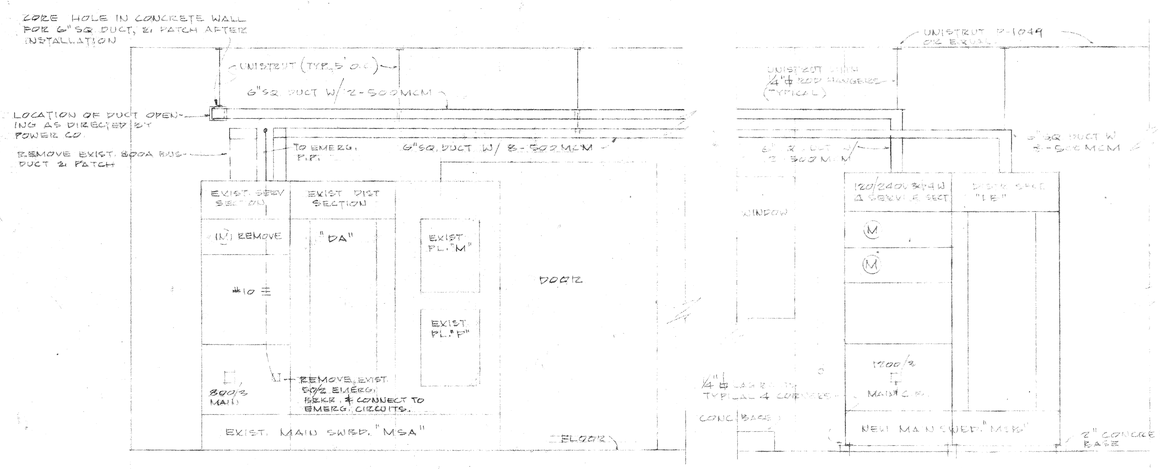
LOAD TABULATION

MAX. DEMAND	=	120 KW
A.C. LOAD (75%)	=	110 KW
ADD'L LOAD	=	90 KW
MISC. LOADS (25%)	=	20 KW
TOTAL	=	350 KW
120/240V, 1Φ LOADS (100 KW @ 100%)		417 AMPS
24 1Φ 2Φ LOADS (250 KW @ 75%)		1041 AMPS
TOTAL @ 100% PF	=	1017 AMPS
TOTAL @ 90% PF	=	1130 AMPS



SINGLE LINE DIAGRAM

NO SCALE



SCALE 1/2" = 1'-0"

E8/2

KEN MATSUOKA, E.E., INC.
479 N. Tustin Ave., Suite 10
ORANGE, CALIFORNIA
(714) 633-7761 CA. Regt. #E-2617

COLE & FRICK ARCHITECTS AIA
3616 MAIN STREET RIVERSIDE, CALIFORNIA 92501
(714)-684-4011

"COPYRIGHT 1983"
COLE & FRICK ARCHITECTS, INC.
The use, or re-use of these Drawings or Specifications, which are protected by Copyright, is strictly prohibited unless authorized by the Architect, in writing.

REHABILITATION OF THE
BOBBY BONDS COMMUNITY PARK
RIVERSIDE COMMUNITY CENTER
CITY OF RIVERSIDE, CALIFORNIA

SINGLE LINE DIAGRAM, ELECTRIC ROOM PLAN AND DETAILS

P-0234
MAR. 19, 1984
BY KM

SHEET No.
E8-6
OF 8

83-08-17