

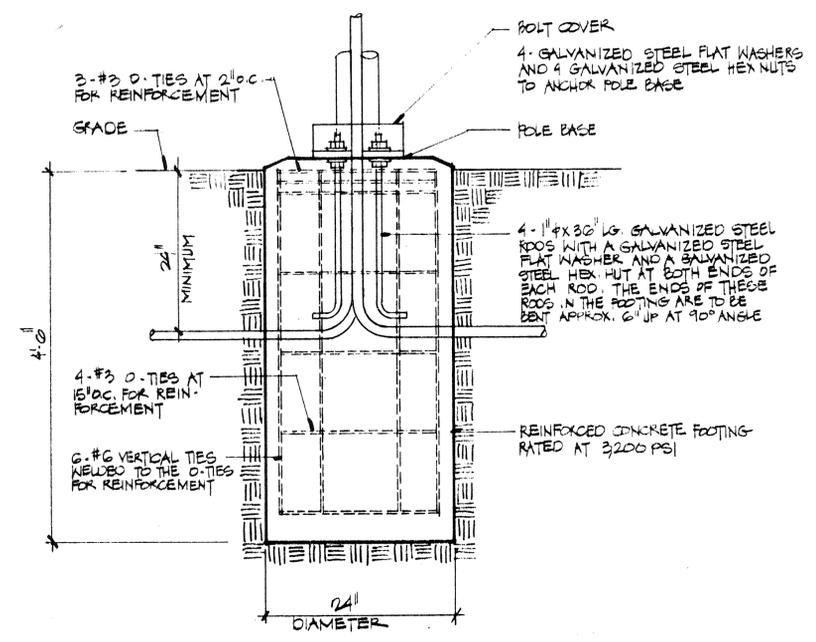
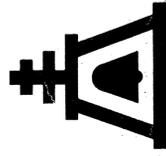
PLAN NOTES:

- ① 2 #2 & 1 #10 E/G - 34' C.
- ② EXISTING PULLBOX TO REMAIN
- ③ 4 #12 & 1 #10 E/G - 2 #6
- ④ PROVIDE A 30A/2P CIRCUIT BREAKER IN SPACE OF NEW PANELBOARD FOR THE PROTECTION OF THE BRANCH CIRCUIT CONDUCTORS TO NEW BASKETBALL LUMINAIRE. NEW CIRCUIT BREAKER SHALL MATCH EXISTING CIRCUIT BREAKERS IN MANUFACTURER AND ELECTRICAL CHARACTERISTICS.
- ⑤ CONTRACTOR SHALL PROVIDE 2 #6 (LTG.) 4 #10 E/G & 4 #12 (CONTRLS) FOR THE FULL LENGTH OF NEW 1/2" CONDUIT RUN BETWEEN NEW PANELBOARD AND NEW PULLBOX "C" AND CONNECT AS INDICATED FOR A COMPLETE AND OPERABLE BASKETBALL BALL COURT LIGHTING SYSTEM. SEE SINGLE LINE DIAGRAM "2" SHEET #E-2.
- ⑥ EXISTING WALKWAY LUMINAIRE CONDUIT AND CONDUCTORS TO REMAIN
- ⑦ EXISTING WALKWAY LUMINAIRE TO REMAIN
- ⑧ PROVIDE A WEATHER PROOF JUNCTION BOX TO HOUSE PUSH BUTTON AND CONTACTORS ON POLE AT +4'0" PER WIRING DIAGRAM "1", SHEET #E-2.
- ⑨ PROVIDE 5 MINUTES TO GO BELL ON POLE AT +7'0" PER WIRING DIAGRAM "1", SHEET #E-2.
- ⑩ INSTALL (3) NEW 40AMP 2 POLE CONTACTORS FOR EXISTING LUMINAIRE, INSTALL (1) 40AMP 2 POLE CONTACTOR FOR NEW LIGHTS.
- ⑪ INSTALL NEW 3 PHASE 120/240V 3Ø CIRCUIT PANELBOARD FOR NEW & EXISTING LOAD.

LIGHTING FIXTURE SCHEDULE					
Sym. Watts	description	lamps		mounting	
		no.	watts		
A 100	METAL HALIDE BASKETBALL COURT LUMINAIRE WITH ALUMINUM HOUSING. TEMPERED GLASS LENS FORWARD THROU REFLECTOR MOUNTED ON A 25' SQUARE STEEL POLE WITH FINISH TO MATCH FIXTURE. MCGRAW EDISON #CS 7104 - 240V - C440/888 4A25 SF - E1-F OR APPROVED EQUAL.	1	100	METAL HALIDE	SEE DETAIL "2" SHEET #E-1

ARLINGTON PARK
BASKETBALL COURT LIGHTING
RIVERSIDE, CALIFORNIA

city of riverside
park & recreation
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 (714) 782-5223
 3900 MAIN ST. RIVERSIDE, CALIFORNIA 92522



revisions	by

date MAY 6, 1995
 design L.E.T.
 drawn J.B.
 check LET
 acct. no.

SHEET
1:1 of 2

GENERAL NOTES

- FIELD VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS PRIOR TO SUBMITTING ELECTRICAL BIDS OR COMMENCING WORK. NOTIFY THE ENGINEER OF ALL CONFLICTS PRIOR TO BID FOR CLARIFICATION.
- THE CONTRACTOR SUBMITTAL OR BID SHALL INDICATE THAT HE/SHE IS AWARE OF ALL JOB SITE CONDITIONS, ACTUAL PHYSICAL LOCATIONS, AND WORK TO BE PERFORMED.
- THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL FOLLOW THIS INTENT AS CLOSELY AS POSSIBLE. REFER TO ARCHITECTURAL CONSULTANT PLANS FOR CLARIFICATION OR CONTACT THE ENGINEER.
- PROVIDE ALL JUNCTION BOXES, PULL BOXES, GROUND WIRES, PARTS, AND NECESSARY EQUIPMENT REQUIRED TO INSURE THE INSTALLATION OF THE ELECTRICAL SYSTEM IS CARRIED OUT IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES AND THE PRESENTLY ADOPTED NATIONAL ELECTRICAL CODE (N.E.C.).
- ALL EXTERIOR EQUIPMENT SHALL BE U.L. APPROVED FOR THE USE AND ENVIRONMENT EXPOSED TO.
- ALL CONDUCTORS FOR EVERY SYSTEM SHALL BE PERMANENTLY IDENTIFIED AND TAGGED IN COMPLIANCE WITH OSHA STANDARDS.
- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, ETC., NEEDED TO INSURE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM UPON COMPLETION OF WORK.
- ALL MATERIALS SHALL BE NEW AND OF THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OF EQUIPMENT. ALL EQUIPMENT SHALL BE U.L. LISTED FOR THE INTENDED USE AND SHALL BEAR THE APPROPRIATE LABELS.
- ALL MATERIALS SHALL MEET WITH THE APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY, AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY A.N.S.I., N.E.M.A. AND N.B.P.W.
- P.V.C. CONDUIT WITH CODE SIZED GROUND SHALL BE INSTALLED IN UNDERGROUND USES ONLY. CONDUIT RISERS AND STUBS ABOVE GRADE, AND ALL SHEEPS SHALL BE I.M.C. WITH HALF-LAPPED TAPE COVER OR P.V.C. COATINGS.
- THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE N.E.C., REFER TO GROUNDING DETAILS IN THESE DOCUMENTS.
- PENETRATIONS TO FIRE-RATED MATERIALS SHALL BE RESTORED TO EQUAL RATING AS REQUIRED BY THE ENFORCING AGENCY.
- COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD ON ONE (1) YEAR AFTER DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE.
- ALL CONDUCTORS SHALL BE CODE GRADE, 600 VOLT CLASS, COPPER, MARKED 24' ALONG ITS LENGTH SHOWING MANUFACTURER'S NAME, MAXIMUM ALLOWABLE VOLTAGE AND SIZE. CONDUCTORS SHALL BE TYPE THHN/THWN (WET OR DRY). ALL CONDUCTORS SHALL BE INSTALLED IN APPROVED METALLIC RACEWAYS. ALUMINUM CONDUCTORS ARE NOT ALLOWED.
- ALL CONDUIT ONLY INSTALLATIONS SHALL HAVE A PULL WIRE OR ROPE INSTALLED.
- WHERE IT BECOMES NECESSARY TO DRILL OR CUT THROUGH ANY EXISTING FLOORS, WALLS, CEILINGS, PAVEMENTS OR WALKWAYS TO PERMIT THE INSTALLATION OF WORK UNDER THIS CONTRACT, THE CONTRACTOR MUST NOTIFY THE ARCHITECT PRIOR TO COMMENCING WORK. CONTRACTOR SHALL PAY FOR ALL COSTS REQUIRED FOR CUTTING REPAIRING. ALL FINISHES SHALL MATCH EXISTING OR NEW ADJACENT SURFACES. FINAL APPROVAL OF PATCH WORK SHALL BE MADE BY THE ARCHITECT.
- ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE OWNER ALONG WITH ONE (1) SET OF ELECTRICAL "AS-BUILT" FOR THE PROJECT, SHOWING ACTUAL DEPTHS AND LOCATIONS OF FINAL WORK.
- WHERE A CONFLICT OCCURS BETWEEN THESE NOTES AND THESE DRAWINGS OR ANOTHER ELECTRICAL SPECIFICATION ISSUED AS A PART OF THESE DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR CLARIFICATION PRIOR TO COMMENCING WORK.
- SUBMIT SHOP DRAWINGS FOR ALL MAJOR PIECES OF ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO: CIRCUIT BREAKERS, CONTROL DEVICES AND LIGHTING FIXTURES.
- UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUPPLY THE PROJECT OWNER WITH ONE (1) SPARE SET OF FUSES FOR EACH SIZE AND TYPE INSTALLED IN THE PROJECT. PROVIDE FUSE HOLDER CABINET.

SYMBOL LIST

SYMBOL	DESCRIPTION
	POLE MOUNTED LIGHT FIXTURE - REFER TO FIXTURE SCHEDULE.
	DISTRIBUTION SWITCHBOARD REFER TO SINGLE LINE DIAGRAM.
	PULLBOX, SIZED PER N.E.C. OR AS NOTED.
	INDICATES WEATHERTIGHT FLEXIBLE CONNECTION TO EQUIPMENT.
	HOME RUN TO PANEL. LETTER DESIGNATES PANEL, NUMBER INDICATES CIRCUITS.
	CONDUIT RUN CONCEALED IN HALL OR CEILING
	CONDUIT RUN CONCEALED BELOW GRADE, 5/4" C MINIMUM.
	EXISTING CONDUIT RUN.
	BRANCH CIRCUIT WIRING, 2 #12 IN 1/2" CONDUIT OR AS NOTED OR SYMBOLIZED
	1/2" C-8#12
	1/2" C-4#12
	1/2" C-2#12
	5/4" C-8#12
	5/4" C-4#12
	5/4" C-2#12
	CONDUIT STUB OUT, CAP & MARK.
	LIGHT FIXTURE CALL OUT, "B" INDICATES FIXTURE TYPE (REFER TO FIXTURE SCHEDULE), "100" INDICATES TOTAL FIXTURE WATTAGE. NUMBER ADJACENT INDICATES QUANTITIES.
	PANEL CALLOUT, "A" INDICATES PANELBOARD OR EQUIPMENT DESIGNATION "E-1" INDICATES SHEET NUMBER OF PANEL SCHEDULE.
	REFERENCES A PLAN NOTE, REFER TO NOTES ON SHEET, OR AS DIRECTED.
	REVISION REFERENCE, REFER TO NOTES ON SHEET, OR AS DIRECTED.
	CONDUIT ONLY, WITH PULL ROPE.
	WEATHERPROOF
	FURNISH, INSTALLED AND CONNECTED, COMPLETE.
	GROUND FAULT CIRCUIT INTERRUPTER
	CONDUIT
	AMERICANS WITH DISABILITY ACT
	EQUIPMENT GROUND (GREEN)
	ISOLATED GROUND (ORANGE)

SEQUENCE OF OPERATION:

- TIME SWITCH TO ENERGIZE CONTROL CIRCUIT.
- PUSH "ON" BUTTON TO ENERGIZE "TD1" (60 MINUTES).
- AFTER 55 MINUTES TD2 CLOSES TO ENERGIZE BELL TO SIGNIFY 5 MINUTES OF TIME REMAINING.
- PUSHING "ON" BUTTON WILL RESET TIMER.
- TD1 AND TD2 ARE ADJUSTABLE FOR LESS TIME AND SHALL BE ADJUSTED WITH A 5 MINUTE DIFFERENTIAL. INSTALL COMPONENTS IN A HEAVY DUTY WEATHERPROOF ENCLOSURE (SIZE AS REQUIRED) WITH PUSH BUTTON MOUNTED IN FACE ON COVER ON BASKETBALL COURT LUMINAIRE POLE. PROVIDE ENGRAVED SIGN TO READ "PUSH BUTTON TO ENERGIZE WHEN BELL RINGS PUSH BUTTON TO RESET TIMER."

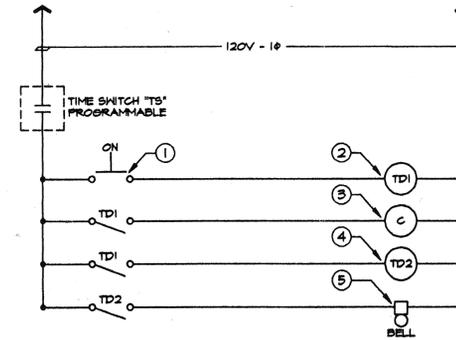


DIAGRAM NOTES:

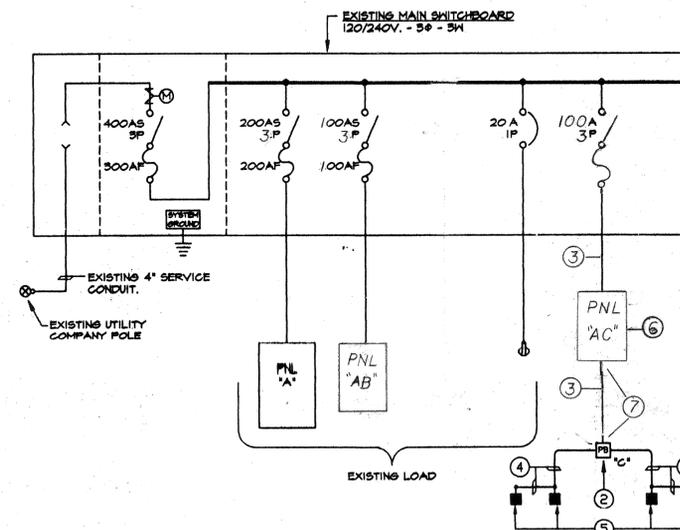
- "ON" PUSH BUTTON.
- 60 MINUTE TIME DELAY RELAY, AGASTAT #1022-AI.
- 30A, 240V - 1Ø 4 POLE CONTACTOR (2 SPARE POLES) WITH 120V COIL FOR BASKETBALL LIGHTING CONTROL.
- 55 MINUTE TIME DELAY RELAY, AGASTAT #1012-AI.
- LOW DECIBEL BELL.

CONTROL WIRING DIAGRAM

SCALE	2
NONE	

SINGLE LINE DIAGRAM

- ALL ELECTRICAL ITEMS ARE EXISTING UNLESS OTHERWISE NOTED.
- NEW PULLBOX "C". SEE PARTIAL ELECTRICAL SITE PLAN, SHEET #E-1.
- NEW CONDUCTORS IN NEW 1/2" CONDUIT, SEE PARTIAL SITE PLAN "1" SHEET #E-1.
- NEW CONDUIT AND CONDUCTORS, SEE PARTIAL ELECTRICAL SITE PLAN "1" SHEET #E-1.
- NEW BASKETBALL COURT LUMINAIRES SEE PARTIAL ELECTRICAL SITE PLAN "1" SHEET #E-1.
- REPLACE SUB STANDARD PANEL "AC" WITH NEW 100 A, 3Ø CIRCUIT PANELBOARD, 120/240 V, 3Ø. CONNECT NEW AND EXISTING LOADS.
- 12.4 X 25.0 X 2.16 = 31.412
26240 = 26240
(#6CU)

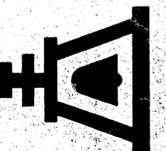


SINGLE LINE DIAGRAM

SCALE	1
NONE	

city of riverside
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revisions	by
AUG 1, 1985	MKA

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check	L.E.T.
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SHEET	12
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