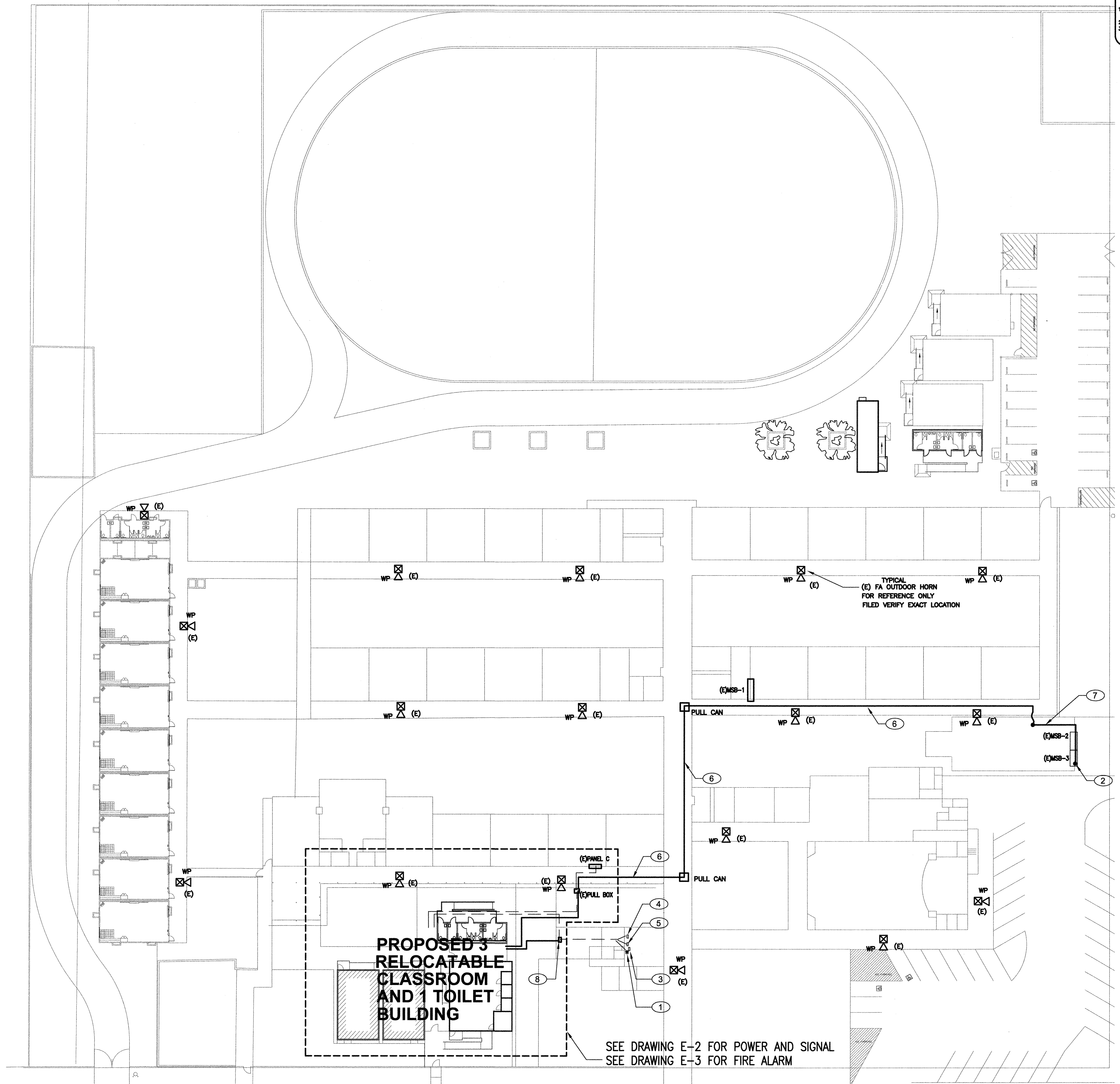


SITE PLAN - ELECTRICAL

SCALE : 1" = 30' - 0"



PROJECT NOTES

- SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR THE ADDITIONAL LOAD.
- SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TEST
- CONTRACTOR TO MONITOR EXISTING FIRE ALARM SYSTEM IF IT IS INTERRUPTED OR DISCONNECTED.

SHEET NOTES

- APPROXIMATE LOCATION FOR EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL AND DIGITAL VOICE COMMAND CENTER TO REMAIN IN SERVICE. PROVIDE CONNECTION TO NEW FIRE ALARM DEVICES PER PLANS. UPDATE FIRE ZONE MAP AND PROGRAM NEW DEVICES. MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUIT, AND FACP STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
- APPROXIMATE LOCATION FOR EXISTING MAIN SWITCHBOARD, PROVIDE NEW MATCHING BREAKER AND POWER CONNECTION FOR NEW RELOCATABLE CLASSROOM BUILDINGS PER PLANS. SEE SINGLE LINE DIAGRAM.
- APPROXIMATE LOCATION FOR EXISTING P/A/C/TELEPHONE EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
- APPROXIMATE LOCATION FOR EXISTING COMPUTER M/D SERVER EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
- APPROXIMATE LOCATION FOR EXISTING MASTER INTRUSION ALARM EQUIPMENT IN ADMIN OFFICE. PROVIDE NEW CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
- NEW CONDUIT AND FEEDER SURFACE MOUNT ON COVER WALKWAY. PROVIDE PULL CAN PER PLANS. SEE SINGLE LINE DIAGRAM.
- NEW CONDUIT SURFACE MOUNT ON CMU WALL. PROVIDE FLEX CONDUIT BETWEEN COVER WALKWAY CMU WALL.
- (E) SIGNAL TO ON EXTERIOR WALL. FIELD VERIFY EXACT LOCATION. FILL IN NEW SIGNAL CONDUITORS PER PLANS. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.

GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL APPRISE HIMSELF OF ALL EXISTING CONDITIONS AT SITE WHICH INCLUDING OVERHEAD AND UNDERGROUND UTILITY SERVICE SUCH AS POWER, TELEPHONE, CABLE, GAS, WATER AND SEWER. PROVIDE MINIMUM WORKING CLEARANCE PER UTILITY COMPANY REQUIREMENT BEFORE STARTING WORK.
- ELECTRICAL CONTRACTOR SHALL ARRANGE A MEETING WITH LOW VOLTAGE CONTRACTORS (PVC, SECURITY, TELEPHONE, COMPUTER AND CABLE), REVIEW THEIR EQUIPMENT AND DRAWINGS, INCLUDING ALL ELECTRICAL REQUIREMENT IN HIS SCOPE OF WORK PRIOR TO BID.
- THE LAYOUT FOR THE POWER, TELEPHONE AND COMMUNICATION UNDERGROUND SERVICE IN THIS DRAWING IS ONLY FOR PLAN CHECK PURPOSE, AND HAS NOT BEEN APPROVED BY THE UTILITY COMPANIES. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONTACT THE UTILITY COMPANIES FOR RULE 16 AND OR OTHER APPROVAL CONSTRUCTION DRAWINGS PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR TO HOOK UP ALL MOTOR CONTROL SYSTEM AS PER MECHANICAL & PLUMBING PLANS.
- CIRCUIT BREAKERS USED TO SWITCH FLUORESCENT FIXTURES TO BE APPROVED FOR SWITCHING DUTY AND SHD TYPE.
- PROVIDE MINIMUM 30" WORK CLEARANCE IN FRONT AND 30" WIDE WORK SPACE FOR SERVICE / PANEL / EQUIPMENT.
- ALL EQUIPMENT TO HAVE TESTING LABORATORY LABEL, ATTACHED. (UL, OSA, ...)
- PROVIDE WEATHERPROOF (WP) GROUND FAULT INTERRUPTER (GFI) RECEPTACLE WITHIN 25 FEET OF ALL TRAC UNITS ON ROOF.
- GROUND ALL ELECTRICAL EQUIPMENT AS PER TITLE 24 AND CALIFORNIA ELECTRICAL CODE (CEC), SECTION 250-50.
- FLUORESCENT BALLASTS SHALL MEET THE CERTIFICATION REQUIREMENTS OF ARTICLE 2-504 (A) OF CALIFORNIA ENERGY SAVING TITLE 24.
- SURFACE MOUNTED FIXTURES SHALL BE SECURED TO BLDG. STRUCTURE. NO TROUBLE BOLTS SHALL BE ALLOWED.
- POSITIONINGS OF FIRE RATED WALLS, CEILING OR FLOOR SHALL COMPLY WITH USC REQUIREMENTS.
- NO BACK TO BACK RECEPTACLES SHALL BE INSTALLED IN FIREWALLS. MAINTAIN HORIZONTAL SEPARATION OF 36" BETWEEN RECEPTACLES.
- EXACT LOCATION OF ALL EQUIP, SWITCH, DATA OUTLET, PHONE JACK AND RECEPTACLE ETC. TO BE NOTED WITH OWNER IN FIELD.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT RACEWAY, PVC SOUL. 40 CONDUIT BELOW GRADE, EXPT CONDUIT CONCEAL IN WALL AND ABOVE CEILING, RISE STEEL CONDUIT ON EXTERIOR WALL OR ROOF.
- THE LOCATION AND ROUTE OF CONDUITS AND RACEWAYS IN ALL ELECTRICAL DRAWINGS IN THIS SET OF DOCUMENT ARE SCHEMATIC. ALL CONDUIT RACEWAYS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE WITH THE MINIMUM LENGTH AS POSSIBLE.
- ELECTRICAL CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO BE LOCATED NO MORE THAN 48" MEASURED FROM THE TOP OF THE OUTLET BOX AND NO LESS THAN 18" MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.
- ELECTRICAL OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES TO BE LOCATED NO MORE THAN 48" MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE RECEPTACLE AND NO LESS THAN 18" MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. CEC 110-308.1

LEGEND

	DISTRIBUTION PANEL
	TERMINAL CABINET
	JUNCTION BOX
	DUPLEX OUTLET ON CIRCUIT NO. 3
	GROUND FAULT INTERRUPTER
	WEATHERPROOF
	WALL SWITCH +48" AFF
	CONDUIT RUN UNDER FLOOR
	CONDUIT RUN IN CEILING AND IN WALL
	MOTOR DISCONNECT FUSED SWITCH
	CONDUIT RACEWAY
	EXISTING TO REMAIN
	REMOVE (E) ELECTRICAL DEVICE AND ASSOCIATE WIRING
	INDICATE EXISTING FIRE ALARM OUTDOOR HORN FOR REFERENCE ONLY, FIELD VERIFY AS REQUIRED.

CODE RULES AND REGULATIONS

ALL WORK AND MATERIAL SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, THE CALIFORNIA ELECTRICAL CODE, THE SAFETY CODES OF THE DIVISION OF INDUSTRIAL SAFETY AND OTHER APPLICABLE STATE LAWS OR REGULATIONS. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS SUBJECT. CEC 2014, CMC 2014, CPC 2014, CCC 2014, WPA, STATE OF CALIFORNIA ENERGY CONSERVATION REGULATION, TITLE 24, 2013.

U.S.A. - UNDERGROUND SERVICE ALERT
CALL BEFORE YOU DIG: 1-800-642-2444

THE LOCATION OF EXISTING UNDERGROUND UTILITIES WERE TAKEN FROM SOURCES BELIEVED TO BE RELIABLE. HOWEVER, THEY HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THIS ENGINEER. THE CONTRACTORS SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTIFY OWNER 72 HOURS PRIOR TO ANY EXCAVATION

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING

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Exp. 6/30/2016
STATE OF CALIFORNIA

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Revision	Description	Rev. Date

SITE PLAN - ELECTRICAL

WAYSIDE ELEMENTARY SCHOOL
3 RELOCATABLE CLRM 1 TOILET
BAKERSFIELD CITY SCHOOL DISTRICT
1000 MING AVE., BAKERSFIELD, CA

Issue Date: 00/00/14
Date: 05/27/14
Designer: J CHONG
DR: J CHONG
PC: CJM

Agency Approval Stamp:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
117237
AC: MFL
DATE: 05-29-14

Stamp(s):

Job No.: **5204**

Sheet No.: **E-1**

Release: