



1 SINGLE LINE DIAGRAM
SCALE: NOT TO SCALE

SHEET NOTES

- VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON FILL STRING.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR AT HIS SOLE EXPENSE SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.
- UNLESS NOTED OTHERWISE, ALL DEVICES AND TERMINATIONS SHALL BE RATED FOR 75 DEGREES CELSIUS.
- ALL CONDUCTORS #8 AND SMALLER SHALL BE THHN/THWN CU. ALL CONDUCTORS #6 AND LARGER SHALL BE XHHW-2 CU.
- PER CEC 110.24, SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- PER CEC 110.16, ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

KEY NOTES

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
- 1 EXISTING FEEDER PROTECT IN PLACE.

C K T		VA LOAD		LOAD DESCRIPTION												VA LOAD		C K T				
LINE A	LINE B	LINE C		L C L	MIS	REC	LTS	POL	TRP	A	B	C	TRP	POL	LTS	REC	MIS	LINE A	LINE B	LINE C		
1																						2
3																						4
5																						6
7																						8
9																						10
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35																						36
37																						38
39																						40
41																						42
SUBTOTALS																		1260	1260			
NOTES:																		LINE TOTALS	1,260	1,260		
14 SPACE PANEL																		LCL ADDER	1,260	1,260		
																		TOTAL VA/PH	1,260	1,260		
																		LINE AMPS	11	11		

EXISTING PANEL GENERAL NOTES:
 1. UON, ALL LOAD DESCRIPTIONS ARE EXISTING.
 2. UON, ALL CIRCUIT BREAKERS DESIGNATED IN PANEL SCHEDULE ARE EXISTING.
 * EXISTING CIRCUIT BREAKER IN SPACE #12 SHALL BE RELOCATED TO THIS POSITION. PROVIDE ALL NECESSARY WORK & MATERIALS IN ORDER TO MAINTAIN INTEGRITY OF EXISTING BRANCH CIRCUIT.
 □ PROVIDE CIRCUIT BREAKER IN EXISTING SPACE.

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REVISIONS			
NO.	DATE	APPRD.	DESCRIPTION

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AGENCY INFORMATION:
 AGENCY TRACKING NO. 63321-273
 FILE NO. 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
03-118201
 AC FL SS
 DATE OCT 25 2017

BAKERSFIELD CITY SCHOOL DISTRICT

WAYSIDE E.S. - MARQUEE SIGN

1000 MING AVE., BAKERSFIELD, CA 93307
 OPSC or OSHPD PROJ. NO:
 PROJECT NO:
 DRAWN BY: VZ
 CHK'D BY: DF
 ISSUE DATE: 10/19/2017

SHEET TITLE
SINGLE LINE DIAGRAM

SHEET NUMBER
E2.1

CONSTRUCTION DOCUMENTS