ABBREVIATIONS

AC	3" ABOVE COUNTER BACKSPLASH
AFF	ABOVE FINISHED FLOOR
AG	ABOVE GRADE
A,AMP	AMPERE
A/V	AUDIO/VISUAL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
CATV	COMMUNITY ACCESS TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CEC	CALIFORNIA ELECTRICAL CODE
CKT	CIRCUIT
CLG	CEILING
COMM	COMMUNICATIONS
C	CONDUIT
CO	CONDUIT ONLY
CTRL	CONTROL
CU	COPPER
D	DATA, DEDICATED
DIST	DISTRIBUTION
EG	EQUIPMENT GROUND
EX,EXIST.	EXISTING
EP	EXPLOSION PROOF
FA	FIRE ALARM
FMC	FLEXIBLE METAL CONDUIT
FO	FIBER OPTIC(AL)
G,GND	GROUND
GD	GARBAGE DISPOSAL
GFI,GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HH	HAND HOLE
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FRAME/FACILITY
J-BOX	JUNCTION BOX
LTG	LIGHTING
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME/FACILITY
MH	MANHOLE
MM	MULTIMODE
MTD	MOUNTED
MW	MICROWAVE
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
PB	PULLBOX
PH	PHASE
PNL	PANEL, PANELBOARD
POC	POINT OF CONNECTION
RECEPT	RECEPTACLE
RO	RACEWAY ONLY
SM	SINGLE MODE
SWBD	SWITCHBOARD
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TV	TELEVISION
TYP.	TYPICAL
UG	UNDER GROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT OR VOICE
W	WIRE, WATT, WALLPHONE
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XR	EXISTING RELOCATED
PH, Ø	PHASE

WORK DEFINITION

KEYNOTE

DRAWING REVISION

MECHANICAL EQUIPMENT TAG

LIGHTING FIXTURE TAG:
REFER TO LUMINAIRE SCHEDULE FOR TYPE AND DESCRIPTION

HEAVY LINEWORK INDICATES NEW WORK

LIGHT LINEWORK INDICATES EXISTING TO REMAIN

GROUND WIRE

TELECOMMUNICATIONS SYSTEM RACEWAY

SITE LIGHTING

OVERHEAD POWER

FIBER OPTIC

CONDUIT: ROUTED UNDERGROUND

CONDUIT: ROUTED BELOW FINISHED FLOOR LEVEL

CROSS HATCHING INDICATES EXISTING DEVICE OR RACEWAY TO BE REMOVED - MAINTAIN CIRCUIT CONTINUITY

CONDUIT UP

CONDUIT DOWN

CONDUIT/CABLE CAP

CONDUIT/CABLE CONTINUATION

HOME RUN
- RACEWAY MARKINGS INDICATES NUMBER OF CONDUCTORS
- LETTER INDICATES PANEL
- NUMBER(S) INDICATE CIRCUIT

RACEWAY MARKING INDICATES QUANTITY OF CONDUCTORS IN CONDUIT
- SMALL HASH MARKS INDICATE PHASE (HOT) CONDUCTOR
- LARGER HASH MARK INDICATES NEUTRAL CONDUCTOR
- DOT INDICATES GROUND CONDUCTOR
- DOT WITH HASH INDICATES ISOLATED GROUND CONDUCTOR
ALL UNMARKED CONDUIT RUNS ARE 1/2" CONDUIT WITH 2#12 UNLESS NOTED OTHERWISE. ALL CIRCUITS SHALL BE PROVIDED WITH GREEN EQUIPMENT GROUND CONDUCTOR

CABLE TRAY

LADDER RACK

POWER

RECEPTACLE OUTLET:
NUMBER INDICATES CIRCUIT GROUPING
LETTER INDICATES:
AC - ABOVE COUNTER
C - CLOCK HANGER
D - DEDICATED
EP - EXPLOSION PROOF
IG - ISOLATED GROUND
S - SAFETY TYPE
T - TAMPER PROOF
WP - WEATHERPROOF WITH GROUND FAULT CIRCUIT INTERRUPTION

GROUNDING TYPE DUPLEX RECEPTACLE, 125V, 20A

USB GROUND TYPE DUPLEX RECEPTACLE, 125V, 20A

GFCI DUPLEX RECEPTACLE, 125V, 20A

CONTROLLED GROUNDING TYPE DUPLEX RECEPTACLE, 125V, 20A

EMERGENCY GFCI DUPLEX RECEPTACLE, 125V, 20A

EMERGENCY GROUNDING TYPE DUPLEX RECEPTACLE, 125V, 20A

CEILING MOUNTED DUPLEX RECEPTACLE, 125V, 20A

EMERGENCY CEILING MOUNTED DUPLEX RECEPTACLE, 125V, 20A

GROUNDING TYPE DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

USB GROUND TYPE DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

GFCI DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

CONTROLLED GROUNDING TYPE DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

EMERGENCY GFCI DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

EMERGENCY GROUNDING TYPE DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

CEILING MOUNTED DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

EMERGENCY CEILING MOUNTED DOUBLE-DUPLEX RECEPTACLE, 125V, 20A

SPECIAL PURPOSE RECEPTACLE -
LETTER INDICATES TYPE:
A - 120V 20A NEMA L5-20R
B - 120V 30A NEMA L5-30R
C - 208V 20A NEMA L6-20R
D - 208V 30A NEMA L6-30R
E - 120/208V 5-WIRE 30A NEMA L21-20R
F - 120/208V 5-WIRE 30A NEMA L21-30R
G - 120/208V 5-WIRE 60A PIN-AND-SLEEVE
H - 120/208V 5-WIRE 100A PIN-AND-SLEEVE
L - 120V 20A PIN-AND-SLEEVE RECEPTACLE ON SO CABLE

SPECIAL PURPOSE RECEPTACLE CEILING MOUNTED
- LETTER INDICATES TYPE, SEE ABOVE FOR TYPE DEFINITION

POWER POLE

FLUSH FLOOR BOX WITH DEVICES AS INDICATED

POKE-THRU TYPE FITTING WITH DEVICES AS INDICATED

POWER CORD DROP, 20A

EMERGENCY POWER OFF SWITCH

DOOR OPERATOR SWITCH

RISER DIAGRAM

PANELBOARD

DELTA

WYE

OPEN DELTA

CURRENT TRANSFORMER:
QUANTITY AND RATIO AS INDICATED

POTENTIAL TRANSFORMER:
QUANTITY AND VOLTAVE RATING AS INDICATED

3-SURGE ARRESTORS

LIGHTNING ARRESTOR

DISCONNECT SWITCH:
3-POLE UNLESS NOTED OTHERWISE- OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED

FUSED DISCONNECT SWITCH:
3-POLE UNLESS NOTED OTHERWISE-
OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED

AUTOMATIC TRANSFER SWITCH (A.T.S)

DRAWOUT AC TYPE CIRCUIT BREAKER (600V)

CIRCUIT BREAKER
NUMBER INDICATES TRIP SETTING AND NUMBER OF POLES
CL - CURRENT LIMITING
ST - SHUNT TRIP

CIRCUIT BREAKER WITH GROUND FAULT PROTECTION NUMBER INDICATES TRIP SETTING AND NUMBER OF POLES
CL - CURRENT LIMITING

MOTOR OPERATED CIRCUIT BREAKER
NUMBER INDICATES TRIP SETTING AND NUMBER OF POLES

GENERATOR
ST - INDICATES SHUNT TRIP

GROUND CONNECTION

CABLE TO BUS CONNECTION

FUSE WITH RATING

INDICATING INSTRUMENT
M - SELF ENCLOSED
PM - KILOWATT HOUR DEMAND METER

HIGH VOLTAGE CABLE TERMINATOR

RELAY

CONTACT - NORMALLY OPEN
NUMBER INDICATES REFERENCE
LETTER INDICATES FUNCTION

CONTACT - NORMALLY CLOSED
NUMBER INDICATES REFERENCE
LETTER INDICATES FUNCTION

SEPARABLE CONNECTOR

SPLICE

GROUND ROD

METER WITH CT PROVISIONS

FEEDER TAG

SURGE PROTECTION DEVICE

TRANSFORMER

ELECTRICAL EQUIPMENT

FLUSH MOUNTED PANELBOARD

SURFACE MOUNTED PANELBOARD

480V PANELBOARD - SEE PANEL SCHEDULE

208V OR 240V PANELBOARD - SEE PANEL SCHEDULE

EQUIPMENT CABINET - TYPE AS INDICATED

MOTOR CONNECTION

EQUIPMENT CONNECTION

GROUND BAR

JUNCTION BOX (WALL / CEILING / FLOOR)

PULLBOX

HANDHOLE WITH DESIGNATION

MANHOLE WITH DESIGNATION

TRANSFORMER

MOTOR RATED TOGGLE SWITCH (POLES TO MATCH VOLTAGE PHASE REQUIREMENTS)

COMBINATION STARTER:
HP RATED,3-POLE, NEMA SIZE 1 MINIMUM UNLESS NOTED OTHERWISE - OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED

DISCONNECT SWITCH:
3-POLE UNLESS NOTED OTHERWISE- OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED

FUSED DISCONNECT SWITCH:
3-POLE UNLESS NOTED OTHERWISE-
OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED

STARTER:
HP RATED, 3-POLE, NEMA SIZE 1 MINIMUM UNLESS NOTED OTHERWISE

OUTLET MOUNTING HEIGHTS

OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

RECEPTACLES	18 INCHES (460 mm)
LIGHT SWITCHES	45 INCHES (1143 mm)
PANELBOARDS	72 INCHES (1830 mm) (TOP OF PANELBOARD)
TELECOM OUTLET	18 INCHES (460 mm)
TELECOM OUTLET, WALL PHONE	45 INCHES (1143 mm)

SHEET INDEX

SHEET NUMBER	DESCRIPTION
E0.1	SYMBOLS AND ABBREVIATIONS
E.02	GENERAL NOTES
E0.3	SINGLE LINE DIAGRAM AND SCHEDULES
E1.0	OVERALL PLAN
E4.0	ENLARGED PLANS
E4.1	ENALRGED PLANS
E5.0	DETAILS

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PREPARED BY THE obr ARCHITECTURE
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SYMBOLS AND ABBREVIATIONS

SAN DIEGO UNIFIED SCHOOL DISTRICT
KITCHEN MODIFICATIONS GROUP 6

CLAIREMONT HIGH SCHOOL
4150 UTE DR, SAN DIEGO, CA 92117
BID SET

PROJECT NO. SDUF-006

DATE 04/12/25

REVISIONS

SHEET NO. **E0.1**

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