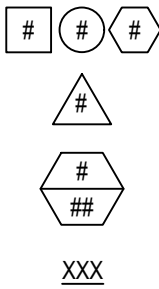


ABBREVIATIONS

AC	3" ABOVE COUNTER BACKSPASH
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

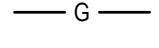
LIGHTING FIXTURE TAG:
REFER TO LUMINAIRE SCHEDULE FOR TYPE AND DESCRIPTION



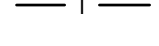
HEAVY LINEWORK INDICATES NEW WORK



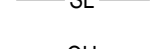
LIGHT LINEWORK INDICATES EXISTING TO REMAIN



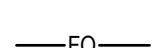
GROUND WIRE



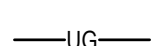
TELECOMMUNICATIONS SYSTEM RACEWAY



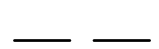
SITE LIGHTING



OVERHEAD POWER



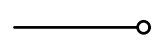
FIBER OPTIC



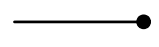
CONDUIT: ROUTED UNDERGROUND



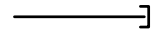
CONDUIT: ROUTED BELOW FINISHED FLOOR LEVEL
CROSS HATCHING INDICATES EXISTING DEVICE OR RACEWAY TO BE REMOVED - MAINTAIN CIRCUIT CONTINUITY



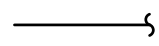
CONDUIT UP



CONDUIT DOWN



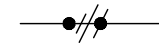
CONDUIT/CABLE CAP



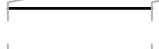
CONDUIT/CABLE CONTINUATION



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

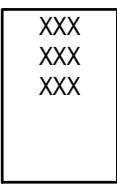


EMERGENCY POWER OFF SWITCH



DOOR OPERATOR SWITCH

RISER DIAGRAM



PANELBOARD



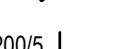
DELTA



WYE



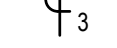
OPEN DELTA



CURRENT TRANSFORMER:
QUANTITY AND RATIO AS NOTED



POTENTIAL TRANSFORMER:
QUANTITY AND VOLTAGE RATING AS INDICATED



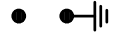
3-SA



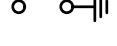
LIGHTNING ARRESTER



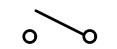
DISCONNECT SWITCH:
3-POLE UNLESS NOTED OTHERWISE- OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED



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



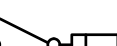
AUTOMATIC TRANSFER SWITCH (A.T.S)



DRAWOUT AC TYPE CIRCUIT BREAKER (600V)



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



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



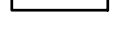
GENERATOR



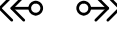
ST - INDICATES SHUNT TRIP



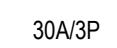
GROUND CONNECTION



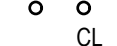
CABLE TO BUS CONNECTION



FUSE WITH RATING



INDICATING INSTRUMENT



M - SELF ENCLOSED



PM - KILOWATT HOUR DEMAND METER



HIGH VOLTAGE CABLE TERMINATOR



RELAY



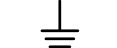
CONTACT - NORMALLY OPEN
NUMBER INDICATES REFERENCE
LETTER INDICATES FUNCTION



CONTACT - NORMALLY CLOSED
NUMBER INDICATES REFERENCE
LETTER INDICATES FUNCTION



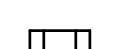
SEPARABLE CONNECTOR



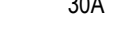
SPLICE



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
E0.2	GENERAL NOTES
E0.3	SINGLE LINE DIAGRAM AND SCHEDULES
E1.0	OVERALL FLOOR PLAN
E4.0	ENLARGED PLANS
E4.1	ENLARGED PLANS
E5.0	DETAILS

SYMBOLS AND ABBREVIATIONS

SAN DIEGO UNIFIED SCHOOL DISTRICT
KITCHEN MODIFICATIONS GROUP 6
BELL MIDDLE SCHOOL
620 BRIARWOOD RD.
SAN DIEGO, CA 92139
BID SET

BOARD OF EDUCATION

oBr/ARCHITECTURE
2419 EL CAJON BLVD, SAN DIEGO, CA 92104

PREPARED FOR THE

PREPARED BY THE

PROJECT NO. SDUF-002

DATE 04/12/25

REVISIONS

SHEET NO.

E0.1