




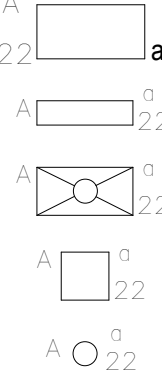

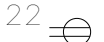



















































| SYMBOLS | POWER SYMBOLS | NOTES |
|---------|---|---|
| | MOTOR OUTLET | |
| | FUSED DISCONNECT SWITCH SWITCH XXXX/XX = AMP SWITCH/POLES/AMP FUSE | AF=30A FUSED BF=60A FUSED CF=100A FUSED DF=200AFUSED |
| | HEAVY DUTY NON-FUSED DISCONNECT SWITCH SWITCH XX/XX = AMP SWITCH/POLES | |
| | COMBINATION MOTOR STARTER | |
| | MANUAL MOTOR STARTER WITH THERMAL OVERLOAD | |
| | TRANSFORMER DESIGNATION TRANSFORMER RATING TRANSFORMER | |
| | TRANSFORMER | |
| | TRANSFORMER | |
| | STATIONARY - CIRCUIT BREAKER; RATING AS SHOWN ON PLANS | |
| | JUNCTION BOX | |
| | JUNCTION BOX WITH KEYNOTE INDICATES THAT THE JUNCTION BOX IS CONNECTED WITH A WHIP FOR A HARDWIRE CONNECTION PER EQUIPMENT REQUIREMENTS INDICATED IN THE KEYNOTE. | |
| | PUSH BUTTON STATION | |
| | FIRE SMOKE DAMPER | |
| | SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET | |
| | FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET | |
| | METER | |
| | GROUND FAULT INTERRUPTOR | |
| | GROUND FAULT MONITOR | |
| | EMERGENCY POWER OFF | |

| SYMBOLS | DESIGNATION SYMBOLS | NOTES |
|---|--|-------|
|  | COLUMN LINE | |
|  | KEY NOTE TAG | |
|  | EQUIPMENT TAG | |
|  | DETAIL REFERENCE BUBBLE DETAIL NUMBER SHEET BEARING DETAIL | |
|  | MOTOR DESIGNATION TAG | |
|  | FIXTURE DESIGNATION UPPER CASE LETTER INDICATES FIXTURE TYPE LOWER CASE LETTER INDICATES RELAY SWITCH LEG NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN). | |
|  | LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN) | |
|  | NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN) | |
|  | SPACE FOR CODE REQUIRED CLEARANCE. | |

| SYMBOLS | LIGHTING SYMBOLS | NOTES |
|---|---|-------|
|  | FLUORESCENT LIGHT FIXTURE AND OUTLET BOX | |
|  | DOWN-LIGHT FIXTURE AND OUTLET BOX | |
|  | WALL MOUNTED LIGHT FIXTURE AND OUTLET BOX | |
|  | PENDANT FIXTURE AND OUTLET BOX | |
|  | LINEAR STRIP LIGHT FIXTURE | |
|  | RIGIT PENDANT FIXTURE AND OUTLET BOX | |
|  | DIRECT/INDIRECT OR DIRECT LINEAR FIXTURE AND OUTLET BOX | |

| LUMINAIRE FIXTURE SCHEDULE | | | | | | | | |
|--|-------------------------------|-------|-----------------|---------|-----------------|--|----------------------|---------|
| FIXTURE TYPE | LIGHTING FIXTURE DESCRIPTION | VOLTS | LAMPS/ FIXTURES | WATTAGE | BALLAST/ DRIVER | MANUFACTURER/CATALOG NUMBER | LOCATION | REMARKS |
| A | 2x4 4"DEEP PARABOLIC LIGHTING | 277 | T8 | 19 | 0-10v DIM | LITHONIA LIGHTING 2PM4GB33218LDMVOLT1/2GEB10IS | TRAINING CENTER A106 | 4 |
| REMARKS: 1. DISTANCE MEASURED FROM BOTTOM OF LUMINAIRE TO ABOVE FLOOR FINISH 2. DIMENSION OF FIXTURE LENGTH SHALL BE MEASURED FROM THE LIGHTING PLAN 3. REFER TO ARCHITECTUAL ELEVATION DRAWING FOR EXACT MOUNTING HEIGHT 4. REFER TO THE RCP FOR EXACT LUMINAIRE LOCATION. | | | | | | | | |

| SYMBOLS | | WIRING DEVICE SYMBOLS | | NOTES |
|---|--|-----------------------|--|-------|
|  | 20A, 125V, DUPLEX RECEPTACLE OUTLET; +18" A.F.F. TO CENTERLINE. (*=PLUG LOAD CONNECTED) | | | |
|  | 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET; +18" A.F.F. TO CENTERLINE. (*=PLUG LOAD CONNECTED) | | | |
|  | 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET; SPECIAL MOUNTING HEIGHT; MOUNT AS NOTED ON PLANS OR SEE SPECIFICATIONS | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE; SPECIAL MOUNTING HEIGHT; MOUNT AS NOTED ON PLANS OR SEE SPECIFICATION | | | |
|  | RACEWAY SYSTEM - TYPE, OUTLETS, SPACING AND FINISH AS NOTED | | | |
|  | 20A, 125V, SINGLE RECEPTACLE OUTLET; +18" A.F.F. TO CENTERLINE | | | |
|  | 20A, 125V, SINGLE RECEPTACLE OUTLET; SPECIAL MOUNTING HEIGHT; MOUNT AS NOTED ON PLANS OR SEE SPECIFICATIONS | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE WITH ISOLATED GROUND; +18" A.F.F. TO CENTERLINE | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE GFCI WITH WEATHER PROOF COVER; +18" A.F.F. TO CENTERLINE | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE; CEILING MOUNTED | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE; GFCI TYPE; +18" A.F.F. TO CENTERLINE | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE; GFCI TYPE; SPECIAL MOUNTING HEIGHT; MOUNT AS NOTED ON PLANS OR SEE SPECIFICATIONS | | | |
|  | 20A, 125V, DOUBLE DUPLEX RECEPTACLE; GFCI TYPE; +18" A.F.F. TO CENTERLINE | | | |
|  | 20A, 125V, DOUBLE DUPLEX RECEPTACLE; GFCI TYPE; SPECIAL MOUNTING HEIGHT; MOUNT AS NOTED ON PLANS OR SEE SPECIFICATIONS | | | |
|  | 20A, 125V, DUPLEX RECEPTACLE OUTLET; FLOOR MOUNTED. (*=PLUG LOAD CONNECTED) | | | |
|  | 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET; FLOOR MOUNTED. (*=PLUG LOAD CONNECTED) | | | |
|  | LOW VOLTAGE CONTROL Q = LAMINAIRE CONTROLLED RELAY AT LCP | | | |
|  | SINGLE POLE SWITCH | | | |
|  | TWO SINGLE POLE SWITCHES UNDER COMMON FACEPLATE; EACH SWITCH OPERATES ONE BALLAST IN FIXTURES IT CONTROLS | | | |
|  | THREE WAY SWITCH | | | |
|  | DIMMER SWITCH | | | |
|  | SINGLE POLE WEATHERPROOF SWITCH | | | |
|  | MOMENTARY CONTACT SWITCH | | | |
|  | OCCUPANCY LIGHT CONTROL SWITCH; CEILING MOUNTED | | | |
|  | OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED | | | |
|  | OCCUPANCY LIGHT CONTROL DIMMER SWITCH; WALL MOUNTED | | | |
|  | PHOTOCELL/DAYLIGHT SENSOR; CEILING MOUNTED | | | |
|  | LIGHTING RELAY UL924 DEVICE | | | |
|  | EXIT SIGN WALL MOUNTED; ARROWS INDICATE DIRECTIONS | | | |
|  | EXIT SIGN CEILING MOUNTED; ARROWS INDICATE DIRECTIONS | | | |
| SYMBOLS | | CONDUIT SYMBOLS | | NOTES |
|  | CONDUIT INSTALLED CONCEALED ABOVE CEILINGS OR IN WALLS IN FINISHED AREAS OR EXPOSED IN UNFINISHED AREAS | | | |
|  | CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE | | | |
|  | INDICATES CONDUIT TURNING UP | | | |
|  | INDICATES CONDUIT TURNING DOWN | | | |
|  | CONDUIT STUBBED OUT WITH BUSHING | | | |
|  | CONDUIT STUBBED OUT AND CAPPED | | | |
|  | FLEXIBLE CONDUIT WITH SINGLE POINT OF CONNECTION AT ELECTRICAL EQUIPMENT | | | |
|  | LOW VOLTAGE WIRING | | | |
|  | GROUNDING CONDUCTOR | | | |
|  | CONDUIT HOMERUN; ROUTE TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE | | | |
|  | NEUTRAL CONDUCTOR - NUMBER AS SHOWN ON PLANS HOT CONDUCTOR - NUMBER AS SHOWN ON PLANS PROVIDE CODE REQUIRED GROUNDING CONDUCTOR. | | | |

| | ABBREVIATIONS | NOTES |
|--------|---|-------|
| A, AMP | AMPERE | |
| ABC | ABOVE THE COUNTER, 4" ABOVE THE BACKSPLASH, UON | |
| AIC | AMPERE INTERRUPTING CAPACITY | |
| AF | ABOVE FINISHED FLOOR | |
| AFG | ABOVE FINISHED GROUND | |
| AF | FRAME RATING IN AMPERES | |
| AS | SWITCH RATING IN AMPERES | |
| AT | TRIP RATING IN AMPERES | |
| AWG | AMERICAN WIRE GAUGE | |
| C | CONDUIT | |
| CL | CENTERLINE | |
| CEC | CALIFORNIA ELECTRICAL CODE | |
| CKT | CIRCUIT | |
| CLG | CEILING | |
| DC | DIRECT CURRENT | |
| DIST | DISTRIBUTION | |
| (N) | NEW | |
| (E) | EXISTING TO REMAIN | |
| (ER) | REMOVE EXISTING. | |
| (EL) | RELOCATE EXISTING. | |
| EC | EMPTY CONDUIT | |
| ELEC | ELECTRICAL | |
| E | EMERGENCY | |
| EMT | ELECTRICAL METALLIC TUBING | |
| EWI | ELECTRIC WATER HEATER | |
| FA | FIRE ALARM | |
| FACP | FIRE ALARM CONTROL PANEL | |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTING | |
| GFP | GROUND FAULT RELAY | |
| G, GND | GROUND | |
| IG | ISOLATED GROUND. | |
| HP | HORSEPOWER | |
| LCP | LIGHTING CONTROL PANEL | |
| MECH | MECHANICAL | |
| MCB | MAIN CIRCUIT BREAKER | |
| NC | NORMALLY CLOSED | |
| NEC | NATIONAL ELECTRIC CODE | |
| NEMA | NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION | |
| NO | NORMALLY OPEN | |
| NTS | NOT TO SCALE | |
| OFCI | OWNER FURNISHED CONTRACTOR INSTALLED | |
| PB | PULL BOX | |
| ∅, PH | PHASE | |
| PNL | PANEL | |
| PWR | POWER | |
| RSC | RIGID STEEL CONDUIT | |
| SWBD | SWITCHBOARD | |
| SYS | SYSTEM | |
| TEL | TELEPHONE | |
| TYP | TYPICAL | |
| UON | UNLESS OTHERWISE NOTED | |
| V | VOLT | |
| VA | VOLT AMPERES | |
| W | WATT | |
| XFMR | TRANSFORMER | |
| VD | PER COUNT VOLTAGE DROP % | |

GENERAL NOTES

- SCHEDULE WORK IN EXISTING BUILDINGS WITH THE OWNER. MINIMIZE DISRUPTION OF NORMAL OPERATIONS.
2. REMOVE WIRING DEVICES, FIXTURES, COMPONENTS, ELECTRICAL EQUIPMENT, AND BOXES NOT REQUIRED TO REMAIN IN SERVICE IN REMODELED AREAS WHEN THIS PROJECT IS COMPLETE.
 - a. REMOVE WIRE, CONDUITS, AND BOXES FOR SUCH DEVICES BACK TO SOURCE. WHERE A CIRCUIT IS INTERRUPTED BY SUCH REMOVAL OF A DEVICE OR FIXTURE FROM THAT CIRCUIT, INSTALL WIRE AND CONDUIT AS REQUIRED TO RESTORE SERVICE TO THE REMAINING DEVICES AND FIXTURES ON THAT CIRCUIT.
 - b. WHERE THIS WORK IS NOT POSSIBLE WITHOUT DISTURBING AREAS NOT BEING RENOVATED, CONSULT WITH THE ARCHITECT BEFORE PERFORMING THE WORK.
 - c. LEAVE IN PLACE CONCEALED CONDUIT LOCATED IN PARTITIONS OR HARD CEILING NOT TO BE DEMOLISHED. REMOVE CONDUCTORS FROM SUCH CONDUITS. USE PERMANENT FELT TIP MARKER PENS TO LABEL SUCH CONDUITS AS "ABANDONED" AT EACH END, AND NOTE WHERE IT REEMERGES FROM THE CONCEALED AREA. CAP SUCH CONDUITS.
 - d. WHERE ELECTRICAL CIRCUITS, FEEDERS, OR WIRING RUNS THROUGH A SPACE TO BE DEMOLISHED, MAINTAIN THEM. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
 - e. WHERE ELECTRICAL CIRCUITS, FEEDERS, OR WIRING RUNS SERVING OTHER AREAS ARE SERVED FROM THE SPACE TO BE DEMOLISHED, RECONNECT THEM TO OTHER SOURCES AS REQUIRED TO MAINTAIN SERVICE TO THE EXISTING DEVICES.
3. WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN IN SERVICE, BE RELOCATED, OR BE RE-USED, REFURNISH THEM. CLEAN SUCH ITEMS AND NOTIFY ARCHITECT OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY EXISTING DAMAGE, AND ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
4. DO NOT INSTALL ELECTRICAL BOXES IN RATED WALLS CLOSER TO EACH OTHER THAN 2'-0". PROVIDE "PADDY" PADS OR EQUIVALENT ON EACH BOX INSTALLED.
5. SEAL EXISTING PENETRATIONS OF EXISTING WALLS. SEAL PENETRATIONS OF EXISTING WALLS MADE UNDER THIS CONTRACT. SEAL PENETRATIONS OF NEW WALLS BY CONDUITS PROVIDED UNDER THIS CONTRACT. SEAL PENETRATIONS OF NEW WALLS BY EXISTING CONDUITS.
6. VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE EXISTING CONDITIONS.
7. SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF ALL DEVICES.
8. NOT USED.
9. REFER TO WIRE CENTS INDICATED ON PLANS. FOR EACH 20 AMP 120 VOLT OR 277 VOLT CIRCUIT, PROVIDE 1 #12 PHASE CONDUCTOR, 1 #12 NEUTRAL CONDUCTOR, AND 1 #12 GROUNDING CONDUCTOR.
10. FURNISH ALL LABOR, MATERIALS, EQUIPMENT & SERVICES NECESSARY TO CONSTRUCT AND INSTALL COMPLETE & OPERATIONAL ELECTRICAL SYSTEMS INDICATED ON THE DRAWINGS & IN THE SPECIFICATIONS.
11. CONCEAL ALL CONDUIT UNLESS OTHERWISE SHOWN.
12. PROVIDE SEPARATE RACEWAYS FOR EMERGENCY SYSTEM LIFE SAFETY BRANCH AND CRITICAL BRANCH WIRING PER THE REQUIREMENTS OF CEC 517.30(C). LIFE SAFETY BRANCH AND CRITICAL BRANCH OF THE EMERGENCY SYSTEM SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER THE SAME RACEWAYS, BOXES OR CABINETS. WITH EACH OTHER OR OTHER WIRING, EXCEPT AS PERMITTED BY CEC. PROVIDE PERMANENT SEPARATION BARRIERS PER CEC 314.28(D) OR SEPARATE TERMINAL BOXES PER CEC 300.15 TO SEPARATE WIRING PER CEC 517.30(C).
13. PROVIDE SEPARATE RACEWAYS AND BOXES FOR CONDUCTORS OF 120/208 VOLT SYSTEM AND 277/480 VOLT SYSTEM AND LOW VOLTAGE WIRING SYSTEM, UNLESS OTHERWISE NOTED.
14. ALL EQUIPMENT TO BE INSTALLED OR CONNECTED MUST BE LISTED, LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE US DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY HEALTH ADMINISTRATION. OWNER FURNISHED EQUIPMENT SHALL BE LISTED, LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
15. EXISTING AND NEW PIPING, DUCTS AND OTHER FOREIGN EQUIPMENT ARE NOT OVER AFFECTED SWITCHBOARD AND PANELBOARDS.
16. CURRENT ELECTRICAL CODE IS CEC 2013: THE 2011 NEC WITH 2013 CALIFORNIA AMENDMENTS, ALSO KNOWN AS THE 2013 CALIFORNIA ELECTRICAL CODE.
19. HANG AND BRACE ALL UTILITIES PER SPEC 130451.
20. BRANCH CIRCUIT CONNECTION AND OR HOME RUN SHOWN WITHOUT TICK MARK REPRESENT MINIMUM (1) HOT, (1) NEUTRAL, (1) GROUND IN CONDUIT.

| ELECTRICAL SHEET INDEX - PTSD | | |
|-------------------------------|---|-------|
| Sheet Number | Sheet Name | Scale |
| 334TC E001 | GENERAL NOTES, ABBREVIATIONS, SYMBOLS, AND SHEET INDEX - TRAINING CENTER | |
| 334TC ED101 | DEMOLITION FLOOR PLAN AND EXISTING REFLECTED CEILING PLAN - TRAINING CENTER | |
| 334TC E101 | FLOOR PLAN AND REFLECTED CEILING PLAN - TRAINING CENTER | |

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CONSULTANTS:

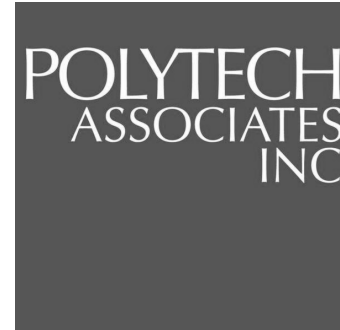


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Drawing Title

GENERAL NOTES, ABBREVIATIONS, SYMBOLS, AND SHEET INDEX -
TRAINING CENTER

Approved: Project Director

Project

POST TRAUMATIC STRESS DIAGNOSIS (PTSD) EXPANSION AND RENOVATION

Location

795 WILL

Checked

Author

Project Number

612-125

Building Number

Drawing Number

334TC

Office of
Construction
and Facilities
Management



DEDUCTIVE ALTERNATE #2 - FOR MORE INFORMATION SEE GI002

100% CD/BID SUBMISSION
FEBRUARY 2, 2016

