

LIGHTING FIXTURE SCHEDULE *

TYPE	DESCRIPTION	LAMPS	VOLTS	MANUFACTURER
A	2' x 4' RECESSED LED FIXTURE 75,000 HOURS TRUEWHITE, 10 YEAR LIMITED WARRANTY. 0-10V DIMMING	32W LED 3500K 90CRI	120-277	CREE #CR24 OR ALTERNATE APPROVED
A1	2' x 2' RECESSED LED FIXTURE 75,000 HOURS TRUEWHITE, 10 YEAR LIMITED WARRANTY. 0-10V DIMMING	32W LED 3500K 90CRI	120-277	CREE #CR22 OR ALTERNATE APPROVED
A1E	SAME AS TYPE "A1" EXCEPT WITH EMERGENCY POWER CIRCUIT CONNECTION.			
A2	SAME AS TYPE "A" EXCEPT WITH FOR GYPBOARD CEILING. PROVIDE FLANGE MOUNTING KIT.			
B	BATH ROOM RECESSED MOUNT LED FIXTURE WITH LENS. SEE PLAN FOR FIXTURE LENGTH. 53 LPW 50,000 HOURS, 5 YEAR LIMITED WARRANTY.	6W/FT LED 3500K 80CRI	277	FOCAL POINT #FTRL-AC- LL1-35K-1C-277-XF- FL-SS-WH-XX OR ALTERNATE APPROVED
C	1' x 4' RECESSED MOUNT LED FIXTURE WITH TRUEWHITE TECHNOLOGY HIGH EFFICACY 100,000 HOURS, 10 YEAR LIMITED WARRANTY 0-10V DIMMING	32W LED 3500K 90CRI	120-277	CREE #CR-LE-40L-HE OR ALTERNATE APPROVED
D	UNDERCABINET LED FIXTURE WITH INTEGRAL OCCUPANCY SENSOR, WHITE FINISH. 28" LENGTH. 50,000 HOURS	9/1W LED 3500K CRI 85	277	ALKCO #LINC-100-L28 OR ALTERNATE APPROVED
E	SELF-CONTAINED ILLUMINATED GREEN EXIT SIGN, UNIVERSAL MOUNTING, SINGLE/DOUBLE FACE GREEN LED ON WHITE HOUSING. MOUNT EXIT SIGN AT CEILING OR +6" ABOVE UON, PROVIDE 90 MINUTES BATTERY POWER PACK.	LED	277	LS1 # EX-GU-WB-WH OR ALTERNATE APPROVED
F	6" RECESSED LED DOWN LIGHT 75,000 HOURS, 10 YEAR LIMITED WARRANTY 0-10V DIMMING, 75 LUMENS PER WATT	24W LED 3500K 80+CRI	277	CREE #SR6H-A-10V- SR6E-18L-A-SR6T-C-WF OR ALTERNATE APPROVED
<p>* 1. CONTRACTOR SHALL VERIFY CATALOG NUMBER WITH FIXTURE DESCRIPTION AND PROVIDE DESCRIBED MODIFICATIONS.</p> <p>2. ALL LED DRIVER AND LAMP SHALL BE CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE APPLIANCE STANDARDS TO MEET TITLE 24 REQUIREMENTS.</p> <p>3. CONTRACTOR MAY PROVIDE MODULAR WIRING SYSTEM FOR LIGHTING FIXTURES ABOVE SUSPENDED "T-BAR" CEILING.</p> <p>4. CONTRACTOR SHALL FURNISH AND INSTALL EARTHQUAKE CLIPS FOR ALL RECESS MOUNTED FIXTURES INSTALLED IN LAY-IN "T-BAR" CEILING.</p> <p>5. VERIFY WITH VA FOR SINGLE/DOUBLE FACE LED EXIT SIGN WITH GREEN OR RED COLOR.</p>				

GENERAL NOTES

- REFER TO ARCHITECTURAL DRAWING FOR EXACT CEILING TYPE AND LIGHTING FIXTURE LAYOUT. VERIFY WITH ARCHITECTURAL DRAWING FOR MOUNTING HEIGHT OF ALL FIXTURES AS REQUIRED.
- FURNISH AND INSTALL DUST TIGHT FIRE RESISTANT PROTECTIVE COVERING OVER EXISTING EQUIPMENT WHEN INSTALLING ANY NEW WORK.
- EXISTING CONCEALED CONDUIT SHALL BE REUSED WHENEVER PRACTICAL WHEREVER POSSIBLE. VERIFY WITH VA.
- CONDUIT SHALL RUN CONCEALED. EXPOSED CONDUIT IS NOT ALLOWED.
- PROVIDE NECESSARY CONDUIT AND WIRING TO CONTINUE CIRCUITING WHEN OUTLETS AND SWITCHES ARE REMOVED. PROVIDE NECESSARY JUNCTION BOXES AND PULLBOXES TO REROUTE EXISTING CIRCUITS TO NEW ACCESSIBLE LOCATIONS.
- PATCH AND REPAINT EXISTING WALL AFTER CUTTING TO MATCH EXISTING AT COMPLETION OF ALL WORK.
- ALL PANEL CIRCUIT DIRECTORIES SHALL BE UPDATED IN ACCORDANCE WITH THE LATEST CIRCUITRY. DIRECTORIES SHALL BE TYPEWRITTEN.
- CONDUITS AND LIGHTING FIXTURES SHALL NOT BE MOUNTED TO BUS OR VENT DUCTS OR CABLE RACKS. UNISTRUT P-1000 SHALL BE SUSPENDED BELOW OR TIGHT TO BOTTOM OF DUCT WITH 3/8" THREADED RODS HUNG FROM STRUCTURE ABOVE. DO NOT SUPPORT CONDUITS AND LIGHTING FIXTURES WITH SUSPENDED CEILING SUPPORT SYSTEM.
- PROVIDE TELEPHONE/DATA CABLES IN ALL TELEPHONE/DATA CONDUITS.
- RECESS MOUNTED FIXTURE INSTALLED IN SUSPENDED CEILING SHALL BE INDEPENDENTLY SUPPORTED BY MEANS OF #12 WIRES FROM EACH CORNER TO STRUCTURE ABOVE.
- OPENINGS THRU CEILING FOR CONDUITS SHALL BE COVERED WITH ESCUTCHEON PLATES.
- REMOVE UNUSED WIRES FROM CONDUITS BACK TO PANEL OF ORIGIN. REMOVE SURFACE MOUNTED OR SUSPENDED CONDUITS THAT ARE NO LONGER IN USE FROM CEILING BACK TO NEAREST OUTLET BOX OR FITTING ADJACENT TO PANEL OF ORIGIN.
- ALL WALL OUTLETS SHALL BE MOUNTED +18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- ALL CONDUITS THRU WALL AND FLOOR SHALL BE SEALED AIR-TIGHT AROUND CONDUIT OPENING WITH CODE APPROVED MATERIAL. FIRE RATING OF WALLS OR FLOORS SHALL BE MAINTAINED.
- POWER AND TEL/DATA OUTLETS THAT ARE NOT REUSED SHALL BE REMOVED. PATCH WALL AND PAINT TO MATCH EXISTING ADJACENT FINISH.
- MINIMUM SIZE OF CONDUIT SHALL BE 3/4" FOR POWER AND 1" FOR TEL/DATA, UON.
- PROVIDE SEPARATE GROUND WIRE IN ALL CONDUITS. MINIMUM (1) GROUND WIRE FOR (3) CIRCUITS. SIZE AND CONNECT GROUND WIRE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. PROVIDE SEPARATE NEUTRAL FOR EACH 1#, 2# OR 3# CIRCUITS WHERE REQUIRED (3-HOT, 3-NEUTRAL, 1-GROUND FOR 3-CIRCUITS).
- ALL EQUIPMENT AND DEVICES SHOWN SHALL BE NEW UNLESS OTHERWISE NOTED.
- ALL SURFACE MOUNTED ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROPERLY SECURED TO WALL.
- ALL ELECTRICAL EQUIPMENT, PANELBOARDS, CONTROL DEVICES SHALL BE IDENTIFIED WITH ENGRAVED NAMEPLATES.
- CONTRACTOR SHALL LABEL EACH NEW AND EXISTING ELECTRICAL OUTLETS WITH DYMO TAPE. THE TAPE SHOULD SHOW PANEL NAME AND CIRCUIT BREAKER NUMBER FEEDING THE OUTLET.
- ALL ELECTRICAL CABINET ENCLOSED APPARATUS, SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, MOTOR STARTERS AND CONTROL PANELS SHALL BE PERMANENTLY IDENTIFIED WITH MACHINE SCREWED ENGRAVED NAMEPLATES WITH WHITE LETTERS ON BLACK BAKELITE BACKGROUND.
- ALL WIRING INSIDE PULL BOXES SHALL BE TAGGED TO IDENTIFY THE CIRCUIT (BOTH PANEL NAME AND CIRCUIT BREAKER NUMBER). EACH BUNDLE OF WIRING RUNNING IN EACH CONDUIT SHALL BE TIE-WRAPPED SO THAT THEY REMAIN IN INDIVIDUAL GROUPINGS.
- ALL MECHANICAL LINE AND LOW VOLTAGE CONTROLS AND INTERLOCKING WIRING AND CONDUIT REQUIRED FOR THE HVAC/PLUMBING EQUIPMENT SHALL BE PROVIDED UNDER MECHANICAL.
- ALL POWER AND TELECOMMUNICATION SYSTEM OUTLETS MOUNTED BACK TO BACK ARE PROHIBITED. A MINIMUM 24", CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN BOXES.
- PROVIDE INDIVIDUAL GFI RECEPTACLE AT EACH LOCATION SHOWN, DO NOT USE FEED-THRU GFI TYPE RECEPTACLE.
- CONDUIT PENETRATIONS THRU WALL AND/OR FLOOR SHALL BE GROUTED AROUND CONDUIT AFTER CONDUIT INSTALLATION WITH CODE APPROVED MATERIALS.
- ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE PROVIDED WITH SPECIFIED EXPANSION/DEFLECTION FITTINGS.

SYMBOL LEGEND

- CEILING MOUNTED IONIZATION SMOKE DETECTOR - EXISTING, NEW RESPECTIVELY
- DUCT SMOKE DETECTOR - EXISTING, NEW RESPECTIVELY
- FIRE ALARM MANUAL PULLSTATION - EXISTING, NEW RESPECTIVELY, +42" TO THE MIDDLE OF BOX AFF
- FIRE ALARM STROBE LIGHT - EXISTING, NEW RESPECTIVELY, +80" AFF
- FIRE ALARM SPEAKER/STROBE UNIT, +80" AFF - EXISTING, NEW RESPECTIVELY
- FIRE ALARM SPEAKER CEILING MOUNTED UNIT - EXISTING, NEW RESPECTIVELY
- END OF LINE RESISTOR
- MOTOR OUTLET CONNECTION
- MANUAL MOTOR STARTER DISCONNECT
- DOUBLE POLE SINGLE THROW SWITCH
- NON-FUSED DISCONNECT SWITCH, HP RATED
- FUSED DISCONNECT SWITCH, HP RATED, SIZE FUSES PER MANUFACTURER'S RECOMMENDATIONS
- COMBINATION STARTER AND CIRCUIT BREAKER DISCONNECT, HP RATED
- DISCONNECT SWITCH, HP RATED WITH AUXILIARY CONTACT
- FIRE SMOKE DAMPER WITH DUCT DETECTOR. FURNISHED & INSTALLED BY MECHANICAL
- EQUIPMENT CONNECTION
- PANELBOARD - EXISTING, NEW RESPECTIVELY
- DETAIL OR DIAGRAM TAG
- SHEET NOTE TAG
- FIXTURE TAG. SEE FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION

ABBREVIATIONS

- A AMPERE
- AFF ABOVE FINISHED FLOOR
- C CONDUIT
- CO CONDUIT ONLY
- (E) EXISTING TO REMAIN
- GFI GROUND FAULT INTERRUPTER
- HID HIGH INTENSITY DISCHARGE
- HP HORSEPOWER
- (N) NEW
- NL NIGHT LIGHT
- (R) EXISTING TO BE REMOVED
- (RL) RELOCATED DEVICE OR EQUIPMENT
- (RR) EXISTING DEVICE OR EQUIPMENT TO BE REMOVED AND REUSED AT A NEW LOCATION
- TYP TYPICAL
- UON UNLESS OTHERWISE NOTED
- UPS UNINTERRUPTIBLE POWER SUPPLY SYSTEM

SYMBOL LEGEND

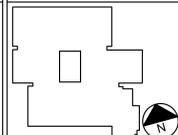
- HOMERUN CONDUIT TO PANELBOARD. SLASH MARKS INDICATE NUMBER OF #12 WIRES, 2#12 & 1#12 GRD IN 3/4" IF NOT MARKED
- HOMERUN CONDUIT TO PANELBOARD. SLASH MARKS INDICATE NUMBER OF #12 WIRES (UON), WHERE IN EXCESS OF 2. (NOT COUNTING REQUIRED EQUIPMENT GROUND IN CONDUITS). CROSS LINE WITH DOT INDICATES INSULATED GROUND WIRE IN ADDITIONAL TO EQUIPMENT GROUND. (EACH CIRCUIT SHALL HAVE EACH OWN NEUTRAL SEPARATE)
- EXISTING CONDUIT & WIRING
- CONDUIT CONCEALED IN CEILING OR WALLS
- CONDUIT CONCEALED IN OR UNDER SLAB OR UNDERGROUND
- TELECOMMUNICATION SYSTEM CONDUIT - 3/4" CO UON. STUBBED INTO NEAREST ACCESSIBLE CEILING WITH UNOBSTRUCTED ACCESS TO CABLE TRAY. PROVIDE CONDUIT STUB ABOVE CEILING WITH PLASTIC BUSHING
- EMERGENCY SYSTEM CONDUIT AND WIRING
- FIRE ALARM SYSTEM CONDUIT, SLASH MARKS INDICATE NUMBER OF #14 WIRES, 2#14 IN 3/4" IF NOT MARKED
- CEILING RECESS MOUNTED DOWN LIGHT FIXTURE WITH OUTLET - EXISTING, NEW RESPECTIVELY
- CEILING MOUNTED FIXTURE WITH OUTLET - EXISTING, NEW RESPECTIVELY
- CEILING MOUNTED FIXTURE WITH OUTLET CONNECTED TO EMERGENCY CIRCUIT
- WALL MOUNTED FIXTURE WITH OUTLET - EXISTING, RESPECTIVELY
- CEILING MOUNTED ILLUMINATED EXIT SIGN, ARROW AS NOTED - EXISTING, NEW RESPECTIVELY
- WALL MOUNTED ILLUMINATED EXIT SIGN, ARROW AS NOTED - EXISTING, NEW RESPECTIVELY
- SINGLE POLE WALL SWITCH - EXISTING, NEW RESPECTIVELY, +42" TO THE MIDDLE OF BOX AFF
- THREE WAY WALL SWITCH - EXISTING, NEW RESPECTIVELY, +42" TO THE MIDDLE OF BOX AFF
- FOUR WAY WALL SWITCH, +42" TO THE MIDDLE OF BOX AFF.
- DIMMING SWITCH CONTROL
- SINGLE POLE WALL SWITCH WITH DUAL TECHNOLOGY OCCUPANCY SENSOR, +42" TO THE MIDDLE OF BOX AFF. WATT STOPPER #DW-100 OR APPROVED PASS & SEYMOUR. UON
- DUAL RELAY WALL SWITCH WITH DUAL TECHNOLOGY OCCUPANCY SENSOR, +42" TO THE MIDDLE OF BOX AFF. WATT STOPPER #DW-203 OR APPROVED EQUAL. UON
- CEILING MOUNTED OCCUPANCY SENSOR. COMPLETE WITH DIMMING ROOM CONTROLLER, WATTSTOPPER DUAL TECHNOLOGY LMDC-100-U OR APPROVED EQUAL. UON
- DAYLIGHT PHOTOSENSOR. COMPLETE WITH DIMMING ROOM CONTROLLER AND ALL NECESSARY MOUNTING HARDWARE, WATTSTOPPER MULTI-ZONE PHOTOSENSOR LMLS-400/LMLS-500 AND LMRC-210 SERIES OR EQUAL
- LOW VOLTAGE SWITCH
- WALL MOUNTED DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W GROUNDED - EXISTING, NEW RESPECTIVELY, +18" AFF. "A" DENOTES ABOVE COUNTER (E) DENOTES FOR EXISTING IN OPERATION.
- WALL MOUNTED FOURPLEX RECEPTACLE, 2-20A, 120V, 2P, 3W GROUNDED - EXISTING, NEW RESPECTIVELY, +18" AFF
- WALL MOUNTED DUPLEX RECEPTACLE CONNECTED TO EMERGENCY POWER - EXISTING, NEW RESPECTIVELY. "R" DENOTES RECEPTACLE COLOR SHALL BE RED
- WALL MOUNTED DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, ABOVE LAVATORY SINK
- FLOOR MOUNTED RECEPTACLE, 20A, 120V, 2P, 3W GROUNDED
- EMERGENCY POWER 4 PLEX OUTLET. "R" DENOTES RED EMERGENCY RECEPTACLE.
- WALL MOUNTED SPECIAL PURPOSE RECEPTACLE OUTLET
- EXISTING WALL MOUNTED TELECOMMUNICATION SYSTEM OUTLET SEE NEW OUTLET BELOW FOR CABLING, TEL/DATA JACKS, FACEPLATES AND TERMINATION REQUIREMENTS.
- NEW WALL MOUNTED TEL/DATA COMMUNICATION OUTLET, +18" AFF UON. TERMINATE 1" WITH BUSHING +6" ABOVE SUSPENDED CEILING. ROUTE CABLES FROM EACH TEL/DATA COMMUNICATION OUTLET TO PATCH PANELS/110 BLOCKS IN TEL/DATA CLOSET RESPECTIVELY. PROVIDE (4) CABLE CAT-6 RUNS WITH TWO VOICE AND TWO DATA AND ROUTE TO ELEC-TEL-DATA ROOM D101. SEE ES1-0, ES7-2.
- CEILING MOUNTED JUNCTION BOX, SIZE TO SUIT - EXISTING, NEW RESPECTIVELY
- WALL MOUNTED JUNCTION BOX, SIZE TO SUIT - EXISTING, NEW RESPECTIVELY
- CEILING SPEAKER, EXISTING, NEW RESPECTIVELY
- NURSE CALL STATION - EXISTING, NEW RESPECTIVELY. MOUNT 5'-0" AFF FOR EXAM/PROCEDURE ROOM, MOUNT 3'-0" AFF FOR TOILET
- PUSH BUTTON CONTROL STATION. EXISTING, NEW RESPECTIVELY.
- NURSE'S CALL CORRIDOR DOME LIGHT - EXISTING, NEW RESPECTIVELY
- NURSE'S CALL DOME LIGHT, MOUNTED 6" ABOVE DOOR - EXISTING, NEW RESPECTIVELY
- NURSE CALL STATION - EXISTING, NEW RESPECTIVELY. MOUNT 3'-0" AFF FOR TOILET
- WALL MOUNT TV OUTLET WITH 1" AND COAX CABLE TO TELECOM ROOM
- CEILING MOUNT OUTLET WITH 1" AND COAX CABLE TO TELECOM ROOM
- CAMERA OUTLET WITH 1" AND CAT6 CABLE TO TELECOM ROOM

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KEY PLAN



ARCHITECT/ENGINEERS:



Drawing Title
SYMBOL LEGEND, ABBREVIATIONS,
GENERAL NOTES & FIXTURE SCHEDULE

Approved: Project Director

Project Title
VA Martinez - Remodel Vacated
Mental Health Space, Replace
Exterior Panels, Building 19 OPC

Project Number
612-12-224FCA
Building Number
19

**Office of
Facilities
Management**

Location
VANCHCS - Martinez, CA

Drawing Number
ES0-0

Date
January 30, 2015

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