LIGHTING FIXTURE SCHEDULE *

TYPE	DESCRIPTION	LAMPS	VOLTS	MANUFACTURER
A	2' x 4' RECESS MOUNTED FLUORESCENT FIXTURE SEAL SUPPLEMENTAL SURGICAL WITH T-8 LAMPS, ELECTRONIC BALLASTS AND PRISMATIC ACRYLIC LENS-CLEAR ACRYLIC LENS	6/32 T-8 3500K 80CRI	277	ALKCO #SSTRG24-HALP-DST-A1-ASM OR LITHONIA, DAY-BRITE APPROVED ALTERNATE
AE	SAME AS TYPE A EXCEPT WITH 3-LAMP INTERIM BATTERY BACK-UP TO ELIMINATE TIME DELAY WHEN SWITCHING TO GENERATOR BACK-UP CIRCUIT	6/32 T-8 3500K 80CRI	277	ALKCO #SSTRG24-HALP-DST-A1-ASM-GEN3 OR LITHONIA, DAY-BRITE APPROVED ALTERNATE
A1	2' x 2' RECESS MOUNTED FLUORESCENT FIXTURE WITH T-8 LAMPS, ELECTRONIC BALLAST, AND ACRYLIC LENS. GYP CEILING	3/17 T-8 3500K 80CRI	277	COLUMBIA #ST8-22-317-F-FS-A12-E-U OR LITHONIA, LSI APPROVED ALTERNATE
A1E	SAME AS TYPE A1 EXCEPT WITH EMERGENCY CIRCUIT CONNECTION	3/17 T-8 3500K 80CRI		
A2	2' x 4' RECESS MOUNTED FLUORESCENT FIXTURE WITH ACRYLIC LENS, T-8 LAMPS AND ELECTRONIC BALLAST	2/32 T-8 3500K 80CRI	277	COLUMBIA #ST8-24-2-32-G-FS-A12-E-U OR LITHONIA, LSI APPROVED ALTERNATE
BE	6" DIA RECESS LED MEDMASTER ENVELA DOWN LIGHT WITH 26W LED LAMP. ANTIMICROBIAL TRIM, ANTIMICROBIAL REFLECTOR, CLEAR ACRYLIC LENS. 0-10V DIMMING	1/26 LED 3000K	120-277	KENALL #MRDL6ICL-26L30K-DV-DCC-ALG-T LITHONIA, DAY-BRITE OR APPROVED ALTERNATE
J	WARNING LIGHT WITH LETTERS INDICATE "X-RAY ON" 2/20W T6 LAMPS, MOUNT LIGHT +6" ABOVE DOOR	2/20 T-6	120	FAIL-SAFE # DR-X-I-1-RW OR DUAL LITE APPROVED ALTERNATE
E1	TWIN HEAD EMERGENCY LIGHT WITH 90 MINUTES BATTERY POWER PACK AND SELF TESTING WITH SELF DIAGNOSTIC ELECTRONICS	LED	120	#LZ SERIES OR APPROVED ALTERNATE LITHONIA, DAY-BRITE

* 1. CONTRACTOR SHALL VERIFY CATALOG NUMBER WITH FIXTURE DESCRIPTION AND PROVIDE DESCRIBED MODIFICATIONS.

2. ALL FLUORESCENT LAMP BALLASTS SHALL BE CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE APPLIANCE STANDARDS FOR FLUORESCENT BALLASTS TO MEET TITLE 24 REQUIREMENTS.

3. CONTRACTOR MAY PROVIDE MODULAR WIRING SYSTEM FOR LIGHTING FIXTURES ABOVE SUSPENDED "T-BAR" CEILING.

4. CONTRACTOR SHALL FURNISH AND INSTALL EARTHQUAKE CLIPS FOR ALL RECESS MOUNTED FIXTURES INSTALLED IN LAY-IN "T-BAR" CEILING.

GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWING FOR EXACT CEILING TYPE AND LIGHTING FIXTURE LAYOUT. VERIFY WITH ARCHITECTURAL DRAWING FOR MOUNTING HEIGHT OF ALL FIXTURES AS REQUIRED.
2. FURNISH AND INSTALL DUST TIGHT FIRE RESISTANT PROTECTIVE COVERING OVER EXISTING EQUIPMENT WHEN INSTALLING ANY NEW WORK.
3. EXISTING CONCEALED CONDUIT SHALL BE REUSED WHENEVER PRACTICAL WHEREVER POSSIBLE.
4. CONDUIT SHALL RUN CONCEALED. EXPOSED CONDUIT IS NOT ALLOWED.
5. PROVIDE NECESSARY CONDUIT AND WIRING TO CONTINUE CIRCUITING WHEN OUTLETS, SWITCHES, DEVICES AND EQUIPMENT ARE REMOVED. PROVIDE NECESSARY JUNCTION BOXES AND PULLBOXES TO REROUTE EXISTING CIRCUITS TO NEW ACCESSIBLE LOCATIONS. EXISTING SYSTEM TO REMAIN IN OPERATION.
6. PATCH AND REPAINT EXISTING WALL AFTER CUTTING TO MATCH EXISTING AT COMPLETION OF ALL WORK.
7. ALL PANEL CIRCUIT DIRECTORIES SHALL BE UPDATED IN ACCORDANCE WITH THE LATEST CIRCUITRY. DIRECTORIES SHALL BE TYPEWRITTEN.
8. 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.
9. PROVIDE TELELPHONE/DATA CABLES IN ALL TELEPHONE CONDUITS.
10. RECESS MOUNTED FIXTURE INSTALLED IN SUSPENDED CEILING SHALL BE INDEPENDENTLY SUPPORTED BY MEANS OF #12 WIRES FROM EACH CORNER TO STRUCTURE ABOVE.
11. OPENINGS THRU CEILING FOR CONDUITS SHALL BE COVERED WITH ESCUTCHEON PLATES.
12. 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.
13. ALL WALL OUTLETS SHALL BE MOUNTED +18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
14. 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.
15. POWER AND TEL/DATA OUTLETS THAT ARE NOT REUSED SHALL BE REMOVED. PATCH WALL AND PAINT TO MATCH EXISTING ADJACENT FINISH.
16. MINIMUM SIZE OF CONDUIT SHALL BE 3/4"C UON.
17. 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 1ø, 2ø OR 3ø CIRCUITS WHERE REQUIRED (3-HOT, 3-NEUTRAL, 1-GROUND FOR 3-CIRCUITS).
18. ALL EQUIPMENT AND DEVICES SHOWN SHALL BE NEW UNLESS OTHERWISE NOTED.
19. ALL SURFACE MOUNTED ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROPERLY SECURED TO WALL.
20. ALL ELECTRICAL EQUIPMENT, PANELBOARDS, CONTROL DEVICES SHALL BE IDENTIFIED WITH ENGRAVED NAMEPLATES.
21. 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.
22. 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. FOR CRITICAL BRANCH PANEL: BLACK LETTERS ON YELLOW BAKELITE BACKGROUND. PROVIDE NOTATION TO INDICATE FOR EXAMPLE: "SERVED FROM PANEL CHD1001A" FOR PANEL MP. ALL BRANCH PANEL SHALL HAVE SIMILAR "SERVED FROM ORIGINAL PANEL" NOTATION.
23. 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.
24. ALL MECHANICAL LINE AND LOW VOLTAGE CONTROLS AND INTERLOCKING WIRING AND CONDUIT REQUIRED FOR THE HVAC/PLUMBING EQUIPMENT SHALL BE PROVIDED UNDER DIVISION 15.
25. ALL POWER AND TELECOMMUNICATION SYSTEM OUTLETS MOUNTED BACK TO BACK ARE PROHIBITED. A MINIMUM 24", CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN BOXES.
26. PROVIDE INDIVIDUAL GFI RECEPTACLE AT EACH LOCATION SHOWN, DO NOT USE FEED-THRU GFI TYPE RECEPTACLE.
27. CONDUIT PENETRATIONS THRU WALL AND/OR FLOOR SHALL BE GROUTED AROUND CONDUIT AFTER CONDUIT INSTALLATION WITH CODE APPROVED MATERIALS.
28. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE PROVIDED WITH SPECIFIED EXPANSION/DEFLECTION FITTINGS.
29. THE PROJECT IS DONE IN PHASES (2 CONSTRUCTION) PHASES. EACH PHASE NEED TO BE FULLY OPERATIONAL AT COMPLETION OF EACH PHASE WHILE OTHER AREAS BEYOND THE PARTICULAR PHASE ALSO NEED TO BE FULLY OPERATIONS. PROVIDE TEMPORARY WIRING AS REQUIRED.
30. ALL WORK SHALL CONFORM TO THE 2011 NATIONAL ELECTRICAL CODE.

SYMBOL LEGEND

- 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 AUXILARY CONTACT
- FSD (J R D T) FIRE SMOKE DAMPER WITH DUCT DETECTOR. FURNISHED & INSTALLED BY MECHANICAL
- EQUIPMENT CONNECTION
- PANELBOARD - EXISTING, NEW RESPECTIVELY
- DETAIL OR DIAGRAM TAG (1 / E-1)
- SHEET NOTE TAG (1)
- FIXTURE TAG. SEE FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION (A 3/3/3)

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)	DEVICE OR EQUIPMENT TO BE RELOCATED
(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

CABLE INSTALLATION AND SPECIFICATIONS FOR DATA AND TELEPHONE

(REFER TO E7.1 FOR OFFICE OF INFORMATION AND TECHNOLOGY AND CONSTRUCTION GUIDANCE)

SYMBOL LEGEND

- INSUL. GND — HOMERUN CONDUIT TO PANELBOARD, SLASH MARKS INDICATE NUMBER OF #12 WIRES, 2#12 & 1#12 GRD IN 3/4"C 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
- —U— CONDUIT CONCEALED IN OR UNDER SLAB OR UNDERGROUND
- —T— 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
- —E— EMERGENCY SYSTEM CONDUIT AND WIRING
- —FA— FIRE ALARM SYSTEM CONDUIT, SLASH MARKS INDICATE NUMBER OF #14 WIRES, 2#14 IN 3/4"C IF NOT MARKED
- —LV— LOW VOLTAGE CONTROL WIRING, 3#16 IN 1/2"C FOR FAUCET SENSOR
- CEILING RECESS MOUNTED DOWN LIGHT FIXTURE WITH OUTLET - EXISTING, NEW RESPECTIVELY
- CEILING MOUNTED FLUORESCENT FIXTURE WITH OUTLET - EXISTING, NEW RESPECTIVELY
- CEILING MOUNTED FLUORESCENT FIXTURE WITH OUTLET CONNECTED TO EMERGENCY CIRCUIT
- WALL MOUNTED FLUORESCENT 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, +45"AFF
- $3 , $3 THREE WAY WALL SWITCH - EXISTING, NEW RESPECTIVELY, +45"AFF
- D DIMMING SWITCH CONTROL
- SINGLE POLE WALL SWITCH WITH OCCUPANCY SENSOR, +45"AFF WATT STOPPER #WS-120 OR APPROVED EQUAL
- DUAL RELAY WALL SWITCH WITH OCCUPANCY SENSOR, +45"AFF WATT STOPPER #WI-300 OR APPROVED EQUAL
- CEILING MOUNTED OCCUPANCY SENSOR. COMPLETE WITH POWER PACK AND ALL NECESSARY MOUNTING HARDWARE, LEVITON #0010-MOW OR APPROVED EQUAL
- LV , LV LOW VOLTAGE SWITCH
- (E) , A 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
- R WALL MOUNTED DUPLEX RECEPTACLE CONNECTED TO EMERGENCY POWER - EXISTING, NEW RESPECTIVELY. "R" DENOTES RECEPTACLE COLOR SHALL BE RED
- GFI WALL MOUNTED DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, ABOVE LAVATORY SINK
- EMERGENCY FLOOR OUTLET
- EMERGENCY POWER 4 PLEX OUTLET
- WALL MOUNTED SPECIAL PURPOSE RECEPTACLE OUTLET
- EXISTING WALL MOUNTED TELECOMMUNICATION SYSTEM OUTLET
- NEW WALL MOUNTED TEL/DATA COMMUNICATION OUTLET, +18"AFF UON. TERMINATE 1"C WITH BUSHING +6" ABOVE SUSPENDED CEILING FROM EACH TEL/DATA COMMUNICATION OUTLET. TERMINATE TEL & DATA CABLES TO (E) DATA/TEL TERMINAL BACKBOARD. SEE CABLE INSTALLATION AND SPECIFICATIONS FOR DATA AND TELEPHONE AS SHOWN ON THIS DRAWING
- CEILING MOUNTED TELECOMMUNICATION SYSTEM OUTLET
- J , J CEILING MOUNTED JUNCTION BOX, SIZE TO SUIT - EXISTING, NEW RESPECTIVELY
- J , J WALL MOUNTED JUNCTION BOX, SIZE TO SUIT - EXISTING, NEW RESPECTIVELY
- I , I EMERGENCY CALL INTERCOM STATION - EXISTING, NEW RESPECTIVELY.
- E , E CODE BLUE PUSH BUTTON - EXISTING, NEW RESPECTIVELY
- N , N NURSE CALL STATION - EXISTING, NEW RESPECTIVELY. MOUNT 5'-0"AFF FOR EXAM/PROCEDURE ROOM, MOUNT 3'-0"AFF FOR TOILET
- CEILING MOUNTED IONIZATION SMOKE DETECTOR - EXISTING, NEW RESPECTIVELY
- DS DUCT SMOKE DETECTOR
- FSD FIRE SMOKE DAMPER
- DH , DH MAGNETIC DOOR HOLDER - EXISTING, NEW RESPECTIVELY
- F , F FIRE ALARM MANUAL PULLSTATION - EXISTING, NEW RESPECTIVELY, +48"AFF
- S FIRE ALARM STROBE LIGHT, +80"AFF
- S , S FIRE ALARM CEILING SPEAKER - EXISTING, NEW RESPECTIVELY
- S , S FIRE ALARM SPEAKER/STROBE UNIT, +80"AFF - EXISTING, NEW RESPECTIVELY
- EOL END OF LINE RESISTOR

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Drawing Title: SYMBOL LEGEND, ABBREVIATIONS & GENERAL NOTES

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