

NOTE
SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY INDICATE THEIR INCORPORATION INTO THE DESIGN

- BRANCH CIRCUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL ITEMS TO CIRCUITS INDICATED.
- DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF THIS PROJECT. WHERE ELECTRICAL ITEMS ARE REMOVED, REMOVE CONDUIT AND WIRING BACK TO SOURCE, UNLESS DIRECTED OTHERWISE BY OWNER. TAG SPARE CONDUITS AND CONDUCTORS TO IDENTIFY SOURCE.
- DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION. IN ORDER TO MEET STRUCTURAL/ARCHITECTURAL REQUIREMENTS, SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
- ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
- COORDINATE WORK WITH OTHER DIVISIONS. VERIFY EXACT POWER REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 23. POWER WIRING FOR EQUIPMENT & CONTROL SHALL BE PERFORMED BY DIVISION 26. CONTROL WIRING BY DIVISION 23.

- F10 DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
- F10 DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
- F10 JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX
- F10 EMPTY FLUSH FLOOR BOX
- F10 DUPLEX RECEPTACLE, PEDESTAL MOUNTED
- F10 SINGLE RECEPTACLE, PEDESTAL MOUNTED
- F10 JUNCTION BOX, PEDESTAL MOUNTED
- C10 DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
- C10 DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
- C10 DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
- C10 DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
- C10 DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE
- C10 JUNCTION BOX, FLUSH MOUNTED IN CEILING
- OH OVERHEAD RECEPTACLE DROP, DUPLEX
- OH OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX
- OH OVERHEAD RECEPTACLE DROP, GFCI
- OD OVERHEAD DATA DROP

- 20A, 125V, 2P, 3W, NEMA 5-20R
- 20A, 125V, 2P, 3W, NEMA L5-20R (TWISTLOCK)
- 30A DRYER RECEPTACLE - 125/250V, 3P, 4W, GROUNDING, NEMA 14-30R, (3)#10+(1)#10G TO 30A, 2P CIRCUIT BREAKER
- 30A, 250V, 2P, 3W, NEMA 6-30R
- 50A RANGE RECEPTACLE - 125/250V, 3P, 4W, GROUNDING, NEMA 14-50R, (3)#6+(1)#10 TO 50A, 2P CIRCUIT BREAKER
- NOTE:**
PROVIDE MATCHING CORD AND PLUG FOR SINGLE RECEPTACLES

- HATCHING INDICATES FIXTURE WITH ONE LAMP ON LIFE SAFETY BRANCH
- EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S). ARROWHEAD INDICATES CHEVRON(S) REQUIRED, CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING
- EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING

B4 GENERAL NOTES

- TE- INTERCOM STATION
- N- NURSE CALL PATIENT STATION, PROVIDE EMPTY CONDUITS FOR USE BY OWNER'S NURSE CALL VENDOR. COORDINATE WITH OWNER.
- LD- NURSE CALL DOME LIGHT, PROVIDE EMPTY CONDUITS FOR USE BY OWNER'S NURSE CALL VENDOR. COORDINATE WITH OWNER.
- SP PAGING SPEAKER
- MS MUSIC SPEAKER
- V- VOLUME CONTROL
- W TELEPHONE WALL OUTLET, 44" AFF UNO
- TELEPHONE OUTLET FOR ELEVATOR CONNECTION
- TELEPHONE OUTLET, 18" AFF UNO
- TEL/DATA OUTLET, 18" AFF UNO
- DATA OUTLET, 18" AFF UNO
- WA WIRELESS ACCESS POINT CEILING MOUNTED
- WA WIRELESS ACCESS POINT WALL MOUNTED

13 TECHNOLOGY

- PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED
- IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING - 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.
- PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED

TECH GENERAL NOTES

A	AMPERE	MT	MOUNT
AC	ALTERNATING CURRENT	MTS	MANUAL TRANSFER SWITCH
AFF	ABOVE FINISHED FLOOR	MCP	MOTOR CONTROL PANEL
AFG	ABOVE FINISHED GRADE	MH	METAL HALIDE
AHU	AIR HANDLING UNIT	MDP	MAIN DISTRIBUTION PANEL
AIC	AMPERES INTERRUPTING CAPACITY	MIN	MINIMUM
		N	NEUTRAL
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAUGE	NEC	NATIONAL ELECTRICAL CODE
BAS	BUILDING AUTOMATION SYSTEM	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BKBD	BACKBOARD	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C	CONDUIT	NIC	NOT IN CONTRACT
CAT	CATALOG CATEGORY	NF	NON-FUSED
CATV	CABLE TV	NO	NORMALLY OPEN
CB	CIRCUIT BREAKER	NO, #	NUMBER
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CM	CIRCULAR MILS	OC	ON CENTER
COMM	COMMUNICATIONS	OCC	OCCUPANCY
CU	MECH CONDENSING UNIT	OH	OVERHEAD
CU	COPPER	P	POLE
CUH	CABINET UNIT HEATER	PA	PUBLIC ADDRESS
DDC	DIGITAL DIRECT CONTROL	PH	PHASE
DN	DOWN	PIR	PASSIVE INFRARED
DW	DISHWASHER	PNL	PANELBOARD
DWG	DRAWING	PO	PART OF
EF	EXHAUST FAN	PV	PHOTOVOLTAIC
ELEV	ELEVATOR	PVC	POLY-VINYL CHLORIDE
EMT	ELECTRICAL METALLIC TUBING	REC.	RECEPTACLE
EP	EXPLOSION PROOF	REF	REFRIGERATOR
ERU	ENERGY RECOVERY UNIT	RF	RETURN FAN
EWC	ELECTRIC WATER COOLER	RGS	RIGID GALVANIZED STEEL
FACP	FIRE ALARM CONTROL PANEL	RM	ROOM
FB	FLOOR BOX	RMC	RIGID METAL CONDUIT
FLA	FULL LOAD AMPS	RTU	ROOFTOP UNIT
FWE	FURNISHED WITH EQUIPMENT	REF	REFRIGERATOR
G, GND	GROUND	SF	SUPPLY FAN
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SPDT	SINGLE POLE, DOUBLE T HROW
GFP	GROUND FAULT PROTECTION	SQ	SQUARE
HID	HIGH INTENSITY DISCHARGE	TEL	TELEPHONE
HOA	HAND-OFF-AUTO SELECTOR SWITCH	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HP	HORSEPOWER	TYP	TYPICAL
HVAC	HEATING, VENTILATION AND COOLING UNIT	UF	UNDER FLOOR
IDS	INTRUSION DETECTION SYSTEM	UG	UNDERGROUND
IG	ISOLATED GROUND	UH	UNIT HEATER
IMC	INTERMEDIATE METAL CONDUIT	UL	UNDERWRITER'S LABORATORY
IR	INFRARED	UNO	UNLESS NOTED OTHERWISE
K	KILO	UPS	UNINTERRUPTIBLE POWER SUPPLY
KCMIL	KILO CIRCULAR MILS	V	VOLTS
KW	KILOWATT	VFD	VARIABLE FREQUENCY DRIVE
KVA	KILO VOLT-AMPS	W	WATT
LAN	LOCAL AREA NETWORK	WP	WEATHERPROOF
LC	LIGHTING CONTACTOR	WG	WIREGUARD
LF	LINEAR FEET	XFMR	TRANSFORMER
LC	LOADCENTER		
LCP	LIGHTING CONTROL PANEL		
LED	LIGHT EMITTING DIODE	(E)	EXISTING ITEM TO REMAIN
LTG	LIGHTING	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
MAX	MAXIMUM	(ER)	RELOCATED ITEM AT NEW LOCATION
MCB	MAIN CIRCUIT BREAKER	(RL)	REMOVE AND RELOCATE
MECH	MECHANICAL		
MH	MOUNTING HEIGHT		
MICRO	MICROWAVE		
MLO	MAIN LUG ONLY		

J4 FIRE ALARM SYSTEM

- FACP FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
- FAXA FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
- SMD SMOKE DETECTOR
- SE SMOKE DETECTOR, 'E' INDICATES CONNECTION FOR ELEVATOR RECALL
- SS SINGLE STATION SMOKE DETECTOR WITH AUDIBLE INDICATING APPLIANCE, WALL MOUNTED
- AVSS SINGLE STATION SMOKE DETECTOR WITH AUDIBLE/VISUAL INDICATING APPLIANCE
- HD HEAT DETECTOR
- DD DUCT SMOKE DETECTOR
- RTS REMOTE TEST INDICATOR FOR DUCT SMOKE, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS
- EM MANUAL PULL STATION, MOUNT 48" AFF
- 15 E HORN/STROBE, CANDELA AS NOTED ON PLANS
- 15 E STROBE ONLY INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS
- R15 STROBE, 15 CANDELA, 120V, CONNECT TO OPERATE UPON ACTIVATION OF ROOM SMOKE DETECTOR
- 15 S S PEAKESTROBE, CANDELA AS NOTED ON PLANS
- M MINI HORN
- HORN/STROBE WITH PULL STATION DIRECTLY BELOW
- MD MAGNETIC DOOR HOLD OPEN DEVICE
- T TRANSFORMER
- SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM CHECK VALVE PRESSURE SWITCH, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- KNOX BOX, MOUNT 60" AFF
- SMD SMOKE DAMPER

C7 FLOOR AND CEILING DEVICES

- DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, NEMA 5-20R
- DOUBLE DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE CONNECTED TO XXX
- GFCI DUPLEX RECEPTACLE, MOUNT 44" AFF UNO
- GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 44" AFF UNO
- GFCI RECEPTACLE WITH WEATHERPROOF COVER
- GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF
- MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO, MOUNT 44" AFF UNO
- RECEPTACLE FOR VACUUM PUMP
- RECEPTACLE FOR AIR COMPRESSOR

NOTES:

- MOUNT RECEPTACLES WITH CENTERLINE 18" AFF UNO
- MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24" AFF UNO

F7 RECEPTACLES

- PANELBOARD, SURFACE MOUNTED
- PANELBOARD, FLUSH MOUNTED
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- MOTOR STARTER
- COMBINATION MOTOR STARTER/FUSED DISCONNECT
- MOTOR OR FAN
- METER AND CABINET
- JUNCTION BOX - CEILING MOUNTED
- JUNCTION BOX - WALL MOUNTED
- JUNCTION BOX FOR CLOCK POWER
- JUNCTION BOX MOUNTED AT 32" FOR HAND DRYER
- TRANSFORMER - NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE
- VARIABLE FREQUENCY DRIVE
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- EMERGENCY SHUTOFF SWITCH - WALL MOUNTED 48" TO CENTERLINE - PROVIDE TAMPER-PROOF COVER
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- WIRING UNDERGROUND OR UNDERSLAB
- HOMERUN - (2)#12+(1)#12G UNO (EXCEPT LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)
- SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- FLEXIBLE CONNECTION
- GROUNDING SYSTEM
- MOTORIZED DOOR OPERATOR AND PUSH PADDLE - FURNISHED BY DIVISION 08, WIRED BY DIVISION 26
- DOORBELL PUSHBUTTON
- DOORBELL CHIME
- SYSTEMS FURNITURE WHIP

J7 POWER DISTRIBUTION

C10 SINGLE RECEPTACLES/CORD DROPS

- LIGHT FIXTURE, RECESSED TROFFER, TYPICAL
- RECESSED DOWNLIGHT
- RECESSED WALL WASHER DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING SURFACE MOUNTED LIGHT FIXTURE
- PENDANT MOUNTED LIGHT FIXTURE
- LINEAR LIGHT FIXTURE, CEILING SURFACE MOUNTED
- LINEAR LIGHT FIXTURE, PENDANT MOUNTED
- LINEAR LIGHT FIXTURE, WALL MOUNTED
- REMOTE BALLAST, ALLOW 9" IN ALL DIRECTIONS BETWEEN BALLASTS
- NOTE TYPICAL FOR ALL LUMINAIRES:**
- INDICATES LIGHT FIXTURE TYPE ON LUMINAIRE SCHEDULE
- LOWER CASE LETTER INDICATES SWITCHING
- NUMBER INDICATES CIRCUITING

F10 LUMINAIRES

- CENTERLINE 48" AFF, UNO -
- S1 LIGHT SWITCH, 20A, 125/277V, LETTER INDICATES SWITCHING
- S THREE-WAY LIGHT SWITCH
- S4 FOUR-WAY LIGHT SWITCH
- S2 TWO-POLE SWITCH
- S3 KEY OPERATED SWITCH
- S4 MOTOR RATED SWITCH
- S5 SINGLE POLE SWITCH WITH RED PILOT LIGHT - RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED
- S6 MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING
- S08 OCCUPANCY SENSOR SWITCH, WALL MOUNTED
- S09 2-BUTTON OCCUPANCY SENSOR SWITCH
- S0 OCCUPANCY SENSOR, CEILING MOUNTED
- S09 OCCUPANCY SENSOR, WALL MOUNTED
- S0 DIMMER SWITCH, COORDINATE DIMMING TECHNOLOGY WITH DIMMED LOAD IN EACH AREA
- S0V LOW VOLTAGE SWITCH, MOMENTARY CONTACT
- S0V2 2-BUTTON LOW VOLTAGE SWITCH
- S0V4 4-BUTTON LOW VOLTAGE SWITCH
- S0VD LOW VOLTAGE DIMMER SWITCH
- S0V5 HANDICAP SWITCHES FOR HOOD LIGHT AND FAN
- S7 TIMER SWITCH, 60 MINUTES
- LC1 LIGHTING TIME CLOCK
- LC LIGHTING CONTACTOR
- LCPP LIGHTING CONTROL PANEL
- PC PHOTOCELL

J10 LIGHT SWITCHES

B13 EMERGENCY LIGHTING

- MOTORIZED SHADE FURNISHED BY DIVISION 12, WIRED BY DIVISION 26.
- SHADE MOTORIZED SHADE CONTROL SWITCH FURNISHED BY DIVISION 12, WIRED BY DIVISION 26. LOCATE ABOVE CEILING

C13 MISCELLANEOUS

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NO.	DESCRIPTION	DATE

CONTENT:
ELECTRICAL LEGENDS, ABBREVIATIONS AND GENERAL NOTES

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