

TECHNOLOGY SYMBOLS

	UL FIRE RATED RE-ENTERABLE CABLE SLEEVE, 4" CONDUIT EQUIVALENT CAPACITY UNLESS OTHERWISE NOTED.
	CEILING MOUNTED WIRELESS ACCESS POINT. PROVIDE NEW 1-DATA DROP WITH 20' COIL AT WAP. WAP BY OWNER. SUBSCRIPT "EXR" INDICATES EXISTING TO BE RE-INSTALLED IN NEW CEILING WITH NEW DATA DROP.
	WALL MOUNTED VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO LOCAL CABLE TRAY JACKS, FACEPLATE AND CABLE. REFER TO FACEPLATE DETAILS.
	WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO LOCAL CABLE TRAY. JACKS, FACEPLATE AND CABLE. REFER TO FACEPLATE DETAILS.
	WALL MOUNTED AV OUTLET (84" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO LOCAL CABLE TRAY. REFER TO FACEPLATE DETAILS. JACKS, FACEPLATE AND CABLE. SUBSCRIPT "Y" INDICATES ALTERNATE CONFIGURATION.
	WALL MOUNTED OR INTERCOM STATION AND DATA DROP INCLUDING BOX WITH CONDUIT TO LOCAL CABLE TRAY.
	STANDARD DIGITAL WALL MOUNTED TIME CLOCK. DISPLAY SHALL CONSIST OF 4-DIGIT (00:00) DISPLAY.
	ELAPSED DIGITAL WALL MOUNTED TIME CLOCK. DISPLAY SHALL CONSIST OF 5-DIGIT (00:00:00) DISPLAY. PROVIDE CLOCK WITH START/STOP WALL SWITCH (46"MH). LOCATE BELOW CLOCK. ENGRAVE COVERPLATE TO READ "ELAPSED TIME CLOCK".
	FLAT PANEL DISPLAY WITH WALL MOUNTING HARDWARE (84" MH UNLESS NOTED OTHERWISE). # INDICATES NOMINAL SCREEN DIAGONAL SIZE.
	CEILING MOUNTED PAGING/INTERCOM SYSTEM SPEAKER.
	CCTV SYSTEM CEILING MOUNTED CAMERA. REFER TO CAMERA SCHEDULE FOR MOUNTING HEIGHT AND CAMERA SPECIFICATIONS. SUBSCRIPT "Y" INDICATES ENTRY IN CAMERA SCHEDULE.
	CEILING MOUNTED IP VIDEO CAMERA WITH 1-DATA DROP. NUMERAL INDICATES ENTRY IN CAMERA SCHEDULE. REFER TO CAMERA SCHEDULE FOR CAMERA SPECIFICATIONS.
	WALL MOUNTED MONITOR OUTLET FOR CCTV SYSTEM (84" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 1" CONDUIT TO ABOVE CORRIDOR CEILING PER DIV 28. JACK, FACEPLATE AND CABLING PER DIV 28.
	WALL MOUNTED PROXIMITY CARD READER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. CARD READER AND CABLING PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
	DOOR POSITION SWITCH WITH WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. PROVIDE ONE CONTACT FOR EACH LEAF IN MULTI-DOOR OPENINGS. REFER TO SECURITY ROUGH-IN DETAILS.
	ELECTRONIC DOOR LOCK AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS. "FA" INDICATES FIRE ALARM INTERFACE.
	ELECTRONIC MAG LOCK AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS. "FA" INDICATES FIRE ALARM INTERFACE.
	ELECTRONIC STRIKE AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS. "FA" INDICATES FIRE ALARM INTERFACE.
	WALL PEDESTAL MOUNT HANDICAP DOOR ACTUATOR CONTROL. FURNISHED BY OTHERS. BOX AS REQUIRED BY SYSTEM MANUFACTURER WITH INSTALLATION AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. ALL LOW VOLTAGE WIRING AND INTERFERENCE WITH SMS AND DOOR MOTOR PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
	HANDICAP DOOR OPERATOR MOTOR ASSEMBLY BY OTHERS. 120V POWER CONNECTION AND CONDUIT FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. LOW VOLTAGE WIRING AND INTERFERENCE WITH SMS AND DOOR ACTUATOR BUTTONS PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
	WALL/FLOOR MOUNTED ELECTROMAGNETIC DOOR HOLD OPEN WITH POWER SUPPLY INSTALLED BY OTHERS. 120V POWER AND CONNECTION. BOX AS REQUIRED BY MANUFACTURER AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. LOW VOLTAGE WIRING FROM POWER SUPPLY TO HOLD OPEN AND INTERFERENCE WITH SMS PER DIV 28. SUBSCRIPT "FA" INDICATES DEVICES POWERED FROM FIRE ALARM SYSTEM AND INTERFERENCE FROM SMS TO FIRE ALARM SYSTEM REQUIRED FOR DOOR RELEASE PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
	WALL MOUNTED OR IP INTERCOM SYSTEM MASTER STATION WITH DISPLAY (46" MH UNLESS NOTED OTHERWISE). CUSTOM BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 28. INTERCOM AND 1-DATA CABLING PER DIV 27.
	DESK MOUNTED OR IP INTERCOM SYSTEM MASTER STATION. PROVIDE 1-DATA OUTLET 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 28. INTERCOM AND 1-DATA CABLING PER DIV 27.
	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6'X9'X4"). ROUTE LOCAL DOOR SECURITY WIRING CONDUITS/RACEWAYS TO JUNCTION BOX. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL 2-DOOR CONTROL PANEL/REMOTE DOOR CONTROL PANEL AS INDICATED ON DRAWINGS. REFER TO SECURITY ROUGH-IN DETAILS.
	WALL MOUNTED PUSH BUTTON FOR LOCAL ELECTRONIC DOOR RELEASE (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 28. BUTTON AND CABLING PER DIV 28.
	WALL MOUNTED PANIC/EGRESS BUTTON (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING PER DIV 28. BUTTON AND CABLING PER DIV 28.
	REQUEST TO EXIT SWITCH IN DOOR HARDWARE BY OTHERS. LOW VOLTAGE WIRING PER DIV 28. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
	WALL MOUNTED SECURITY SYSTEM WIRING OUTLET MOUNTED BELOW COUNTER TOP. 2-GANG BOX WITH 2-1" CONDUITS TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING PER DIV 28. GROMMETED FACEPLATE AND SECURITY SYSTEM CABLING PER DIV 28.
	EXISTING WALL MOUNTED WIRELESS BATTERY OPERATED PIR(S) SENSOR/READER. REMOVE AND RE-INSTALL AFTER FINISHES HAVE BEEN APPLIED. TUNE UNIT FOR SPECIFIC AREA OF COVERAGE AS REQUIRED BY VA.
	3" CORE FIRE RATED POKE-THROUGH WITH 1" CONDUIT FOR LOW VOLTAGE CABLING AND SERVICE ACTIVATION PLATE FOR CABLING PASS-THROUGH.
	3" CORE FIRE RATED POKE-THROUGH WITH 1" CONDUIT FOR LOW VOLTAGE CABLING AND MODULAR DATA SERVICE ACTIVATION PLATE. QUANTITY OF DATA JACKS AS IDENTIFIED BY NUMERICAL SUBSCRIPT.

GENERAL FLOOR PLAN NOTES

	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
	PLAN NOTE: APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
	DETAIL NOTE: APPLIES ONLY TO THE ASSOCIATED DETAIL.
	LADDER TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
	EXISTING WIRE & CONDUIT TO REMAIN.
	CONDUIT FOR DATA CIRCUITRY.
	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
	WIRE & CONDUIT FOR INTERCOM SYSTEM CIRCUITRY.
	WIRE & CONDUIT FOR NURSE CALL CIRCUITRY.
	WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
	WIRE & CONDUIT FOR SECURITY SYSTEM CIRCUITRY.
	WIRE RUN IN SURFACE WIREWAY.
	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT. "X" DENOTES PANEL NAME, NUMBER(S) DENOTES CIRCUIT(S).

ELECTRICAL SYMBOLS

	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE). TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH STANDARD COVER, VERTICAL MOUNT.
	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH STANDARD COVER, VERTICAL MOUNT.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER. (18" MH UNLESS NOTED OTHERWISE).
	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (86" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, IN FLOOR BOX WITH COVERPLATE AND HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN FLUSH FLOOR BOX WITH ROUND COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).
	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, BLANK/ET WARMER (18" MH UNLESS NOTED OTHERWISE).
	JUNCTION BOX.
	WIEMOLD RACEWAY, AS NOTED ON PLANS.
	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	FOUR-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	LOW VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
	SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE.
	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
	PULL BOX.
	DISCONNECT SWITCH.
	MOTOR STARTER.
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
	ELECTRIC MOTOR.
	UNIT HEATER.
	FAN COIL.
	AIR CONDITIONER.
	CONDENSING UNIT.
	UNIT VENTILATOR.
	DUCT HEATER.
	INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
	INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) EDWARDS 852 (120 VOLT).
	LIGHTING CONTACTOR.
	CEILING MOUNTED OCCUPANCY SENSOR.
	WALL MOUNTED OCCUPANCY SENSOR.
	VARIABLE FREQUENCY DRIVE, VFD.

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

FIRE ALARM SYMBOLS

	FIRE ALARM CONTROL PANEL.
	FIRE ALARM SPEAKER & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 75 CANDELA FOR ALL OTHER LOCATIONS).
	FIRE ALARM BELL & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 75 CANDELA FOR ALL OTHER LOCATIONS).
	FIRE ALARM CHIME & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 75 CANDELA FOR ALL OTHER LOCATIONS).
	FIRE ALARM HORN & SIGNAL LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 75 CANDELA FOR ALL OTHER LOCATIONS).
	FIRE ALARM SIGNALING LIGHT (80" AFF), (8 WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 75 CANDELA FOR ALL OTHER LOCATIONS).
	CEILING MOUNTED FIRE ALARM SPEAKER.
	FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
	CEILING MOUNTED SMOKE DETECTOR.
	CEILING MOUNTED HEAT DETECTOR.
	DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
	DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
	ELECTRIC RELEASE DOOR CLOSER.
	ELECTRO-MAGNETIC DOOR HOLDER.
	WATER FLOW SWITCH.
	VALVE SUPERVISORY SWITCH.
	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT. SUBSCRIPT "W" INDICATES WALL MOUNTED.
	SMOKE DAMPER.
	PRESSURE SWITCH.
	ADDRESSABLE MODULE. SUBSCRIPT "I" INDICATES INPUT. SUBSCRIPT "C" INDICATES CONTROL.

LUMINAIRE SYMBOLS

	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE. LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
	LIGHTING FIXTURE ON LIFE SAFETY CIRCUIT.
	LIGHTING FIXTURE ON CRITICAL BRANCH CIRCUIT.
	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

NURSE CALL SYMBOLS

	NURSE CALL CONTROL PANEL.
	NURSE CALL DESK MOUNTED MASTER CONTROL STATION (OUTLET AT 18" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE). DM INDICATES DESK MOUNTED CONSOLE.
	NURSE CALL STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
	NURSE CALL MULTI-PIN CATV JACK (84" AFF UNLESS NOTED OTHERWISE).
	NURSE CALL STAFF PRESENCE STATION (80" AFF UNLESS NOTED OTHERWISE).
	NURSE CALL DUTY STATION (46" MH UNLESS NOTED OTHERWISE).
	EMERGENCY NURSE CALL STATION WITH PULL CORD FOR PATIENT USE (46" MH AND TO SIDE AND WITHIN 12" FROM FRONT OF TOILET BOWL IN TOILET ROOMS, 66" MH IN SHOWERS AND WET AREAS, 46" MH UNLESS NOTED OTHERWISE IN ALL OTHER AREAS).
	PATIENT NURSE CALL UTILITY CONSOLE (46" MH UNLESS NOTED OTHERWISE).
	PATIENT NURSE CALL STATION (ONE OR TWO CORDS AS INDICATED, 46" MH UNLESS NOTED OTHERWISE).
	CEILING MOUNTED NURSE CALL DOME LIGHT.
	WALL MOUNTED NURSE CALL DOME LIGHT (90" MH UNLESS NOTED OTHERWISE).
	CEILING MOUNTED COMBINATION DOME LIGHT AND BUZZER.
	CEILING MOUNTED NURSE CALL ZONE LIGHT.
	NURSE CALL EMERGENCY BUTTON (46" MH UNLESS NOTED OTHERWISE).
	EMERGENCY CODE BLUE BUTTON (46" MH UNLESS NOTED OTHERWISE).
	TOUCH SCREEN ANNUNCIATOR PANEL.

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ABBREVIATIONS

AAP	- AREA ALARM PANEL - MEDICAL GAS	ID	- INSIDE DIAMETER
ACC	- ACCESS	IN	- INCHES
ADJ	- ADJUSTABLE	KEC	- KITCHEN EQUIPMENT CONTRACTOR
AF	- ARC FAULT CIRCUIT INTERRUPTER	L	- LENGTH
ACFI	- ARC FAULT CIRCUIT INTERRUPTER	LBS	- POUNDS
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	MAP	- MASTER ALARM PANEL (MEDICAL GAS)
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM	MAX	- MAXIMUM
ALT	- ALTERNATE	MEZZ	- MEZZANINE
AP	- ACCESS PANEL	MFR	- MANUFACTURER
APPROX	- APPROXIMATE	MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
ARCH	- ARCHITECT OR ARCHITECTURAL	MN	- MINIMUM OR MINUTE
ASSY	- ASSEMBLY	MSC	- MISCELLANEOUS
ATS	- AUTOMATIC TRANSFER SWITCH	MTD	- MOUNTED
BLOG	- BUILDING	MTG	- MOUNTING
BOE	- BOTTOM OF EQUIPMENT	NIC	- NOT IN CONTRACT
BOT	- BOTTOM	NOM	- NOMINAL
BTWN	- BETWEEN	NTS	- NOT TO SCALE
CCOI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OFI	- OWNER FURNISHED CONTRACTOR INSTALLED
CKT	- CIRCUIT	OFIO	- OWNER FURNISHED OWNER INSTALLED
CLS	- CEILING	PC	- PLUMBING CONTRACTOR (DIVISION 22)
CMU	- CONCRETE MASONRY UNIT	PLBG	- PLUMBING
CONN	- CONNECT OR CONNECTION	RAD	- RADIUS
CONTR	- CONTRACTOR	REC	- RECESSED
COR	- CORRIDOR	RECD	- REQUIRED
CORR	- CONTRACTING OFFICER'S REPRESENTATIVE	R	- ROUGH-IN
CTR	- CENTER	S	- SURFACE MOUNTED
D	- DEPTH	SC	- SECURITY CONTRACTOR
DET	- DETAIL	SCH	- SCHEDULE
DIA	- DIAMETER	SH	- SHEET
DM	- DIMENSION	SMS	- SECURITY MANAGEMENT SYSTEM
DIV	- DIVISION	SPEC	- SPECIFICATIONS
DWG	- DRAWING	SQ	- SQUARE
EA	- EACH	SS	- STAINLESS STEEL
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)	STD	- STANDARD
EJ	- EXPANSION JOINT	STRUC	- STRUCTURAL OR STRUCTURE
EL	- ELECTRICAL	SUC	- SITE UTILITY CONTRACTOR
ELEV	- ELEVATION OR ELEVATOR	TC	- TECHNOLOGY CONTRACTOR
EM	- EMERGENCY	TEMP	- TEMPERATURE
EQ	- EQUAL	TOR	- TOP OF EQUIPMENT
EQS	- EQUIPMENT SUPPLIER	TYP	- TYPICAL
EQUIP	- EQUIPMENT	UNO	- UNLESS NOTED OTHERWISE
ETR	- EXISTING TO REMAIN	VFD	- VARIABLE FREQUENCY DRIVE
EX	- EXISTING	VOL	- VOLUME
EXP	- EXPANSION	W	- WITH
EXT	- EXTERIOR	WO	- WITHOUT
EXR	- EXISTING DEVICE TO BE REMOVED AND RELOCATED	WP	- WEATHERPROOF
FCE	- FIRE CONTROL EQUIPMENT	ZVC	- ZONE VALVE CABINET
FF	- FINISHED FLOOR ELEVATION		
FLR	- FLOOR		
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)		
FT	- FEET		
FTG	- FOOTING		
GC	- GENERAL CONTRACTOR		
GF	- GROUND FAULT CIRCUIT INTERRUPTER		
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT		
GFI	- GROUND FAULT CIRCUIT INTERRUPTER		
GMFT	- GROUND FAULT FEED THRU		
HC	- HVAC CONTRACTOR (DIVISION 23)		
HP	- HORSE POWER OR HIGH POINT		
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING		

GENERAL NOTES

- ALL ELECTRICAL SPICES FOR WIRE SIZES 6 AWG AND LARGER SHALL BE HYDRAULIC CRIMP TYPE.
- THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.
- SITE VISITS SHALL BE AS OUTLINED IN PROJECT SPECIFICATIONS.
- ANY ASBESTOS WORK PERFORMED AS PART OF THIS PROJECT SHALL BE COMPLETED PRIOR TO STARTING ANY OTHER PROJECT SITE.
- THE NOTES AND SYMBOLS SET DOWN ON THESE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED.
- THE CONTRACTORS SHALL REFER TO ALL SPECIFICATION SECTIONS, AND ELECTRICAL DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHOULD REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THESE NOTES AND SYMBOLS SET DOWN ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE COR THRU THE CONTRACTING OFFICES FOR CLARIFICATION BEFORE PROCEEDING.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. SEE SPECIFICATIONS FOR MORE DETAILED DETAILS ON RESPONSIBILITIES.
- ALL WORK MUST BE COORDINATED WITH THE COR TO MAINTAIN OPERATION OF THE EXISTING FACILITY.
- FIELD VERIFY DIMENSIONAL INFORMATION PRIOR TO ORDERING EQUIPMENT. DO NOT SCALE DRAWINGS.
- DIMENSIONS ARE TYPICALLY INDICATED TO THE FINISHED FACE OF WALLS OR PARTITIONS AND CENTER LINES OF COLUMNS UNLESS OTHERWISE INDICATED.
- TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND ARE NOT INTENDED TO LIMIT THE WORK REQUIRED IN ANY WAY.
- EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
- ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
- EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE COR IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
- EACH CONTRACTOR AND/OR TRADE FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE COR AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED.
- ANY MECHANICAL, ELECTRICAL, FIRE PROTECTION, OR PLUMBING INFORMATION INDICATED ON THE ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE INDICATED.
- IF, IN THE PERFORMANCE OF THE ELECTRICAL WORK, MATERIALS ARE OBSERVED WHICH ARE SUSPECTED TO CONTAIN ASBESTOS, THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY INFORM THE COR. WORK THAT WOULD EXPOSE WORKERS TO THE INHALATION OF ASBESTOS PARTICLES SHALL BE TERMINATED. WORK MAY BE RESUMED ONLY AFTER A DETERMINATION HAS BEEN MADE AND UNSAFE MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED AND THE AREA DECLARED SAFE.
- PROPER PERSONNEL PROTECTION EQUIPMENT SHALL BE WORN PER OSHA AND VA REQUIREMENTS AND REVIEWED WITH THE VA COR AND SAFETY OFFICER PRIOR TO USE.</

0

6"

three inches = one foot

A

1

0

one and one half inches = one foot

B

2

0

one inch = one foot

C

3

0

three quarters inch = one foot

D

4

0

one half inch = one foot

E

5

0

three eighths inch = one foot

F

6

0

one quarter inch = one foot

7

0

one eighth inch = one foot

8

0

one sixteenth inch = one foot

9

0

L

Z-1

LASER
IN USE

HOUSING: HEAVY GAUGE DIE CAST ALUMINUM HOUSING WITH SOFT CORNERED DESIGN.

SIGN FACE: HIGH GRADE THERMOPLASTIC SHIELD WITH WHITE OPAQUE BACKGROUND AND LASER CUT LETTERS IN RED WITH CORRESPONDING LED COLORS.

ELECTRICAL: INTERNAL UNIVERSAL 120/277V TRANSFORMER DRIVING AN LED STRIP. POLARIZED PLUG WITH QUICK DISCONNECT PROVIDED BETWEEN LED BOARD AND TRANSFORMER.

LEDs: TOP MOUNTED, DOWNWARD FACING LED BOARD ILLUMINATES COLOR LEGEND.

MOUNTING SURFACE: SINGLE SIDE

WARRANTY: 5-YEAR, MADE IN THE U.S.A.

FINISHES: TEXTURED WHITE FINISH.

MODEL: HEALTHCARE LIGHTING #HSG301-LIU OR EQUAL

SURFACE MOUNTED LASER "IN-USE" LIGHT

E

X-1

E

X-1

HOUSING AND CANOPY: MARINE GRADE VINYL CLAD ALUMINUM.

DOOR FRAME: HINGED WITH ALUMINUM REINFORCED POLYCARBONATE SHIELD.

FINISH COLOR: BLACK

INSCRIPTION PANEL(S): RED L.E.D. 6" LETTERS

LAMPS: MULTIPLE L.E.D. LAMP ASSEMBLY WITH MINIMUM OF 20,000 HOURS LIFE.

NOTE: TYPE EX2 DENOTE DOUBLE FACED FIXTURES. FURNISHED FIXTURES WITH DIRECTIONAL ARROWS WHERE SHOWN ON DRAWINGS AND WIRED FOR 120/277-VOLT OPERATION AS INDICATED.

LOCATION: CEILING MOUNT WHERE SHOWN. WALL MOUNT AT 7'-6" AFF WHERE SHOWN UNLESS OTHERWISE NOTED.

EXIT SIGN

E

X-1

U

C-X

LENGTH OF FIXTURE(S): REFER TO PLANS

HOUSING: 20 GAUGE FORMED COLD ROLLED STEEL HOUSING SEAMED WELDED AND GROUND SMOOTH.

LENS: 0.125" THICK PRISMATIC ACRYLIC

ELECTRONICS: CONSTANT CURRENT LED DRIVER.

LED 4' - 1 ROW, 15 WATTS

LED 2' - 1 ROW, 8 WATTS

LED COLOR: 4000 K

VOLTAGE: 120V

FINISH: WHITE ANTIMICROBIAL FINISH FOLLOWING AN IRON PHOSPHATE PRE-TREATMENT.

CONTROLLED VIA ADJACENT WALL SWITCH

UC2 - 24"

UC3 - 36"

UC4 - 48"

LOW PROFILE LED UNDER CABINET LIGHT

U

C-X

E

N-X

Aperture: 6-1/4 (15.9)

Ceiling Opening: 1'-10" (18.1)

Overlap Trim: 7-1/2 (19.1)

WATTAGE CONSUMPTION MATRIX

LUMENS	WATTAGE	LUMENS per WATT
2200	32	67
1800	28	65
1400	25	63
1000	18	61

MECHANICAL:

1. ONE-PIECE 16 GAUGE GALVANIZED STEEL CONSTRUCTION.

2. TELESCOPIC MOUNTING BARS MAXIMUM OF 32" WITH 4" VERTICAL ADJUSTMENT.

3. LIGHT ENGINE AND DRIVER SHALL BE ACCESSIBLE THRU APERTURE.

4. WET LOCATION LISTING

OPTICAL:

1. SELF-FLANGED, SEMI-SPECULAR LOWER REFLECTOR.

2. 45 DEG CUTOFF TO SOURCE AND SOURCE IMAGE.

ELECTRICAL:

1. LED LIGHT ENGINE SHALL PRODUCE 60,000 HOURS AT 70% LUMEN MAINTENANCE.

2. FULLY SERVICABLE AND UPGRADEABLE LENSED LED LIGHT ENGINE.

3. 120V WITH 0-10V DIMMING (10-100%); RATED FOR 50,000 HOURS.

EN1 - 1400 LUMENS

EN2 - 1000 LUMENS, PROVIDE LENS AND WET LOCATION LISTING.

EN3 - 1000 LUMENS

RECESSED LED ROUND DOWNLIGHT

E

N-X

E

F-X

HOUSING:

DIE FORMED AND EMBOSSED CODE GAUGE STEEL. END CAPS HINGED AND SCREWED TO HOUSING FOR RIGIDITY. DESIGNED FOR INSTALLATION IN CEILING TYPE SHOWN ON ARCHITECTURAL DRAWINGS. INTEGRAL T-BAR CLIPS OR DRYWALL. HARDWARE FOR MINIMUM 4 POINTS OF SUPPORT. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING.

REFLECTOR:

HIGH REFLECTANCE BAKED WHITE ENAMEL AND SPECULAR SILVER INSERT.

FINISH:

MULTI-STAGE PHOSPHATE BONDING TREATMENT AND HIGH REFLECTANCE BAKED WHITE ENAMEL.

SHIELDING:

100% PRISMATIC VIRGIN ACRYLIC, PATTERN 12, .125" THICK (NOMINAL), FLUSH DOOR WITH MITERED CORNERS, INCONSPICUOUS CAM ACTION LATCHES.

LAMPS:

RAPID START 32W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST:

HPF ELECTRONIC INSTANT START BALLAST, 0.88BF, 120/277V.

VARIATIONS:

EF2: TWO LAMP FIXTURE.

EF2a: TWO LAMP FIXTURE WITH PROGRAMMED RAPID START STEP DIMMING BALLAST.

EF2b: TWO LAMP FIXTURE, 2x2 CONSTRUCTION, 2-17W LAMPS.

EF2c: TWO LAMP FIXTURE WITH 1% DIMMING BALLAST, 2x4 CONSTRUCTION.

EF2d: TWO LAMP FIXTURE, 1x4 CONSTRUCTION, 2-32W LAMPS.

EF3: THREE LAMP FIXTURE.

EF4: 2x2 FIXTURE, ALUMINUM CONSTRUCTION. GASKETED, WET LABEL.

EF5a: 2-LAMP, 17 WATT T8, 5000K

EF5b: 2x4 FIXTURE, ALUMINUM CONSTRUCTION. GASKETED, WET LABEL.

EF5c: 3-LAMP, 32 WATT T8, 5000K

EF5d: 2x4 FIXTURE, ALUMINUM CONSTRUCTION. GASKETED, WET LABEL.

EF5e: 1x4 FIXTURE, ALUMINUM CONSTRUCTION. GASKETED, WET LABEL.

EF5f: 2-LAMP, 32 WATT T8, 5000K

RECESSED FLUORESCENT FIXTURE

E

F-X

E

F-1

HOUSING:

STEEL A MINIMUM OF 0.035-INCH THICK; APPROPRIATE HARDWARE FOR A MINIMUM OF (4) POINTS OF SUPPORT IN APPLICABLE CALLING SYSTEM; WIRING AND BALLAST ACCESSIBLE FROM BELOW; SUPPORT CLIPS PROVIDED FOR WIRING; SEPARATE CAPTIVE NON-TURNING STUD FOR FIXTURE GROUNDING. PROVIDE FLANGE KIT WHERE NOTED ON DRAWINGS. REQUIRE HINGED DOOR CONSTRUCTION. NO SQUEEZE/SNAP LENSES WILL BE ACCEPTED.

OPTICS:

S/MH OF 1.2, FIXTURE EFFICEINCY MINIMUM 85.2%.

LAMPS:

TWO-32W, T8 RAPID START 4100K, 86 CRI FLUORESCENT.

FINISH:

HOUSING, DOOR AND TRIM FRAME-BAKED WHITE ENAMEL; REFLECTING SURFACES MINIMUM OF 85% REFLECTANCE BAKED WHITE ENAMEL.

BALLAST:

TWO LAMP, HPF, ELECTRONIC TYPE AS SPECIFIED, UNIVERSAL VOLTAGE (277V/120V)

TYPE "A": SAME CONSTRUCTION AS ABOVE, EXCEPT WITH STEP DIMMING BALLAST.

TYPE "B": SAME CONSTRUCTION AS ABOVE, EXCEPT 2'x2' IN SIZE WITH 2-17W T-8 LAMPS.

TYPE "C": SAME CONSTRUCTION AS ABOVE, EXCEPT 2'x2' IN SIZE WITH 2-17W T-8 LAMPS WITH STEP DIMMING.

RECESSED HIGH EFFICIENCY FLUORESCENT FIXTURE

E

F-1

3225.00

ISSUED FOR BIDDING

05/29/15

Revisions

Date

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STATE OF OHIO

GARY S. EDDICE

E-52755

REGISTERED PROFESSIONAL ENGINEER

Revised By:

Drawing Title

LIGHTING FIXTURE DESCRIPTIONS 1

Approved: Project Manager

CHRIS MOORHEAD

Approved: Service Chief

PHILIP KIRK

Project Title

RENOVATE OPERATING ROOMS B310

Building Number

310

Location

4100 WEST THIRD STREET DAYTON, OH 45428

Checked

MSG

Drawn

JAS

Date

05/29/15

Project No.

552-15-101

Drawing No.

E0.4

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