	ELECTRICAL SYM		
	SOLID LINE DENOTES CONDUIT RUN CONCEALED IN WALL, ABOVE CEILINGS, EXPOSED IN UNFINISHED AREAS. RUN PARALLEL OR PERPENDICULAR TO STRUCTURE OR WALL. DASHED LINE DENOTES CONDUIT RUN BELOW GRADE OR BELOW FINISHED FLOOR.	⊕ _E ⊕ _E	DUPLEX RECEPTACLE CONNECTED TO EMERGENCY BRANCH CIRCUIT. PROVIDE RED RECEPTACLE UNLESS OTHERWISE INDICATED.
	HOMERUN TO PANELBOARD. QUANTITY OF ARROWS INDICATES NUMBER OF CIRCUITS.	⊕ _{GF} ⊕ _{GF}	125 VOLT, 3 WIRE GROUND FAULT TYPE DUPLEX RECEPTACLE.
	SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO NORMAL BRANCH CIRCUIT. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.	₩P →WP	15 AMP, 125 VOLT, 3 WIRE GROUND FAULT TYPE DUPLEX RECEPTACLE WITH WET WHILE IN USE WEATHERPROOF COVER. MOUNTING AS INDICATED.
	SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO LIFE SAFETY BRANCH CIRCUIT. LETTER INDICATES TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.	(TC-1)	COMMUNICATIONS SIGNAL CABINET, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED.
	SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO CRITICAL BRANCH CIRCUIT. LETTER INDICATES TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.		CABLE TRAY, MOUNTING AND CONFIGURATION AS SPECIFIED.
	SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO EQUIPMENT BRANCH CIRCUIT. LETTER INDICATES TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.	K	TELECOMMUNICATIONS OUTLET IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 18-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
	SURFACE OR RECESSED MOUNTED LIGHTING FIXTURE CONNECTED TO EQUIPMENT BRANCH CIRCUIT. LETTER INDICATES TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.	₩°	TELECOMMUNICATIONS OUTLET SEE SHEET GI002-A FOR MOUNTING HEIGHT, UNLESS OTHERWISE INDICATED. SUBSCRIPT 'XD' AND/OR 'XV', WHEN SHOWN, DENOTES NUMBER OF DATA AND/OR VOICE CABLES/JACKS RESPECTIVELY.
	CEILING MOUNTED EXIT SIGN, SHADED AREA INDICATES FACE WITH DIRECTIONAL ARROWS AS SHOWN. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS. CONNECT UNSWITCHED TO INDICATED BRANCH CIRCUIT.	K	TELEPHONE OUTLET 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY SITE CONDITIONS. MOUNT FLUSH IN FINISHED SPACES OR SURFACE IN UNFINISHED SPACES.
S	SINGLE-POLE TOGGLE SWITCH IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 46-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY GI002-A.	★ •	TELEPHONE OUTLET SEE SHEET GI002-A
S ₃	THREE-WAY TOGGLE SWITCH IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 46" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY GI002-A.	TV	TELEVISION SYSTEM OUTLET FLUSH MOUNTED 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
S ₄	FOUR-WAY TOGGLE SWITCH IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 46" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY GI002-A.	CR	SECURITY SYSTEM CARD READER FLUSH SEE SHEET GI002-B
Sp	DIMMER CONTROL SWITCH MOUNTED IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 46" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED BY GI002-A. MATCH DIMMER ACCORDING TO LOAD TYPE.	S	INTERCOM SYSTEM FLUSH MOUNTED CEILING SPEAKER. SUBSCRIPT, WHEN SHOWN, INDICATES ZONE.
(OS)	OCCUPANCY SENSOR. CEILING MOUNTED. REFERENCE SPECIFICATION SECTION 16950.	CCTV	CLOSED CIRCUIT TELEVISION CAMERA. REFER TO DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL INFORMATION.
S _{D3}	3-WAY DIMMER CONTROL SWITCH MOUNTED IN FLUSH (FINISHED SPACES) SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 46" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY SITE CONDITIONS. MATCH DIMMER ACCORDING TO LOAD TYPE.	123	ROOM NAME DESIGNATION
Sos	SWITCH MOUNTED OCCUPANCY SENSOR DUAL TECHNOLOGY WITH MANUAL SWITCH. MOUNT 46" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED BY GI002-A. MATCH DIMMER ACCORDING TO LOAD TYPE.		COMMUNICATIONS OR TERMINAL CABINET, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED.
(1H1)	480/277 VOLT PANELBOARD, FLUSH AND SURFACE MOUNTED RESPECTIVELY. SEE PANEL SCHEDULE FOR DESIGN INFORMATION. DESIGNATION AS INDICATED.		COMBINATION FLOOR MOUNTED RECEPTACLE AND TELE/DATA OUTLET. SUBSCRIPT "Q" DENOTES QUAD OUTLET. SUBSCRIPT "PT" DENOTES POKE THRU DEVICE. SUBSCRIPT "#" DENOTES NUMBER OF TELE/DATA OUTLETS.
11.1	208Y/120 OR 120/240 VOLT PANELBOARD, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED. SEE PANELBOARD SCHEDULE FOR EXACT REQUIREMENTS.	(A)	SPECIAL EQUIPMENT CONNECTION. SUBSCRIPT INDICATES DESIGNATION. SEE EQUIPMENT CONNECTION SCHEDULE FOR EXACT REQUIREMENTS.
ЕРВ	PUSH TO EXIT BUTTON	\ominus	125 VOLT, 3 WIRE DUPLEX RECEPTACLE IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 18-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
	INTRUSION SYSTEM MOTION SENSOR	-	125 VOLT, 3 WIRE DUPLEX RECEPTACLE IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. SEE SHEET GI002-A FOR DEVICE MOUNTING HEIGHTS
(1)	PLAN NOTE. NOTE NUMBER AS INDICATED.	+	TWO 125 VOLT, 3 WIRE RECEPTACLES IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) 2-GANG OUTLET BOX. MOUNT 18-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
		 	TWO 125 VOLT, 3 WIRE RECEPTACLES IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) 2-GANG OUTLET BOX. SEE SHHET GI002-A FOR DEVICE MOUNTING HEI

STANDARD ABBREVIATIONS

AMPERE. AMMETER AMPERE FRAME ABOVE FINISHED FLOOR AIC AMPERES INTERRUPTING CAPACITY AMPERE TRIP ATS AUTHORITY HAVING JURISDICTION AUTOMATIC TRANSFER SWITCH CONDUIT CENTER LIINE CR CARD READER COPPER **EXISTING** EMPTY CONDUIT **EMER EMERGENCY** EWC ELECTRIC WATER COOLER EWH ELECTRIC WATER HEATER G, GND GROUND GROUND FAULT INTERRUPTER HAND HOLE HORSEPOWER HERTZ ISOLATED GROUND JUNCTION BOX KVA KILOVOLT-AMPERES KILOWATTS LIGHTING CONTACTOR LED LIGHT EMITTING DIODE LTG LIGHTING PROVIDE FURNISH, INSTALL AND CONNECT RECPT RECEPTACLE SECURITY CAMERA OUTLET SOLID NEUTRAL SWITCH SWBD **SWITCHBOARD** COMBINATION TV AND RECEPT OUTLET **TYPICAL** UNDERGROUND UNO UNLESS NOTED OTHERWISE UNIVERSIAL SERIAL BUS USB VOLT

GENERAL ELECTRICAL NOTES

A. BOTH THE CONTRACTOR AND INSTALLING ELECTRICIAN ARE REMINDED THAT SINCE THE NATIONAL ELECTRICAL CODE IS BY STATUTORY INCLUSION A PART OF THE LAWS OF THE STATE, THEY BEAR A PRIME RESPONSIBILITY TO COMPLY WITH IT EVEN WHEN THE PLANS OR SPECIFICATIONS DENOTE AN APPARENT VIOLATION. THIS SHOULD BE OBSERVED CAREFULLY AND CONTINUOUSLY, PARTICULARLY DURING ESTIMATING FOR PROPOSAL, AND ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

B. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN, ON THE SITE, AN ADEQUATE ADMINISTRATIVE SPACE WHERE ONE COMPLETE SET OF PLANS AND SPECIFICATIONS SHALL BE KEPT FOR THE WORK OF ALL TRADES ON THE PROJECT. THESE PLANS AND SPECIFICATIONS SHALL BE IN ADDITION TO THE SETS USED BY THE INSTALLING ELECTRICIAN IN CARRYING OUT THEIR DAY-TO-DAYWORK ON THE PROJECT. THE PROJECTED LOCATION OF EVERY OUTLET. RACEWAY, OR ITEM OF EQUIPMENT TO BE INSTALLED UNDER THIS CONTRACT SHALL BE CHECKED AGAINST THE PLANS AND SPECIFICATIONS OF ALL THE OTHER TRADES AS WELL AS BY DAILY CONFERENCE WITH WORKMEN AND SUPERVISORS OF ALL OTHER TRADES TO THE EXTENT THAT ANY CONFLICTS OR UNCERTAINTIES ABOUT LOCATIONS ARE RESOLVED BEFORE WORK IS INSTALLED, PARTICULARLY WITH REGARD TO THE INTERACTION OF LIGHTING FIXTURES, AIR HANDLING OPENINGS, ACCESS DOORS, SPRINKLER HEADS, ETC.. CEILING CONSTRUCTION INSTALLATION SHALL BE MADE IN ACCORD WITH REFLECTED CEILING PLANS AND/OR INSTRUCTIONS BY THE ARCHITECT'S REPRESENTATIVES ON THE SITE. MOVING OF ITEMS FROM LOCATIONS SHOWN, REROUTING, OR CHANGES TO ACCOMPLISH ANY WORK AS SHOWN ON PLANS OR SPECIFICATIONS IN ORDER TO ACCOMPLISH THIS COORDINATION SHALL NOT BE CAUSE FOR CLAIM FOR ADDITIONAL COMPENSATION FOR THE WORK. PARTICULAR CARE SHALL BE TAKEN TO LOCATE BOXES SO THEY ARE NOT BACK-TO-BACK IN WALLS AND TO LOCATE OUTLETS OFF COLUMNS (UNLESS VITAL THEY BE THERE) OR OTHER PLACES WHERE THEY CONFLICT WITH STRUCTURAL STEEL OR REINFORCING BARS.

C. CONTRACTOR SHALL ALSO MAINTAIN AT THE SITE A COMPLETE SET OF ALL SHOP DRAWINGS, FIXTURE AND EQUIPMENT CUTS, MANUFACTURER'S WIRING DIAGRAMS AND INSTALLATION DATA. INSTALLING PERSONNEL SHALL STUDY THIS DATA BEFORE AND DURING INSTALLATION AND ROUGH-IN SO AS TO PREPARE FOR THE PROPER FIT AND FUNCTION UPON COMPLETION.

D. COMPLETE AND ADEQUATE HOUSING SHALL BE PROVIDED ON THE SITE FOR ORDERLY AND CAREFUL STORAGE OF ALL MATERIALS AND EQUIPMENT. NOTHING SHALL BE STORED WHERE EXPOSED TO WEATHER EXCEPT CONDUIT, WHICH MAY BE STORED IN RACKS SO IT IS AT LEAST 12 INCHES ABOVE

GROUND AND NOT SUBJECT TO MUD BEING SPATTERED ON IT. E. ATTENTION IS DIRECTED SPECIFICALLY TO SPECIFICATION SECTIONS REQUIRING CONTINUOUS

QUALITY CONTROL TESTING.

F. IN GENERAL, MOUNTING HEIGHTS OF OUTLETS, SWITCHES, ETC. ARE NOT NOTED ON THE CONSTRUCTION DOCUMENTS. SCHEDULES AND NOTES SPECIFY "STANDARD" MOUNTING HEIGHTS FOR THESE ITEMS (SEE SPECS). STUDY CAREFULLY ELEVATIONS OF ALL WALLS AND CABINET WORK AS SHOWN ON ARCHITECTURAL DRAWINGS AND FIT OUTLETS TO SPACE AND TO AVOID CONFLICTS. OUTLETS SHALL ALWAYS BE LOCATED ABOVE, AND NOT IN, BACKSPLASHES. COORDINATE OUTLET LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS. ANY CONFLICT THAT CANNOT BE RESOLVED ON THE JOB SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER PRIOR TO ROUGH-IN.

G. ALL 20 AMP BRANCH CIRCUIT WIRE SIZING SHALL BE IN ACCORD WITH THE FOLLOWING TABLE:

VOLTAGE	DISTANCE	HOME RUN	REMAINDER OF CIRCUIT
120/208	0-50'	#12	#12
	51'-100'	#10	#12
	101'-150'	#8	#10
277/480	0'-125'	#12	#12
	125'-220'	#10	#12
	220'-330	#8	#10

H. ALL WIRING LUGS THROUGHOUT THE PROJECT, INCLUDING BUT NOT LIMITED TO, BREAKERS. PANELBOARD/SWITCHBOARD LUGS, SAFETY SWITCH LUGS, AND TRANSFORMER LUGS, SHALL BE RATED FOR USE WITH 75 DEGREE CONDUCTORS SIZED IN ACCORDANCE WITH NEC TABLE 310-16.

I. ALL RACEWAYS SHALL BE METAL UNLESS SPECIFICALLY NOTED OR APPROVED OTHERWISE. ANY

J. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 517 OF THE NATIONAL ELECTRICAL CODE. SPECIFICALLY, IT WILL BE REQUIRED THAT ALL CIRCUITS (120V OR 277V) SERVING LIGHTING, OUTLETS, OR EQUIPMENT IN PATIENT CARE AREAS SHALL INCLUDE A GREEN INSULATED COPPER GROUNDING

CONDUCTOR (#12 MIN.). THIS INCLUDES PATIENT ROOMS, PATIENT TOILETS, RECREATION AREAS, AND ALL

RACEWAY IN POURED CONCRETE SHALL BE RIGID METAL (HEAVY WALL). REFER TO SPECIFICATIONS FOR

ROOMS USED FOR EXAMINATION OR TREATMENT, GROUNDING SHALL BE TESTED AS REQUIRED BY NEC 517 AND NFPA 99. TEST RESULTS SHALL BE SENT TO THE ENGINEER IN THE FORM OF A LETTER. PANEL BOARDS SHALL BE GROUNDED AS REQUIRED BY 517. OPERATION. UPON SUCCESSFUL COMPLETION OF TESTS, CONFIRMATION SHALL BE SENT TO THE ENGINEER OF RECORD. BUILDING STANDARDS DEPT. AND THE FIRE MARSHAL IN THE FORM OF A LETTER

K. CONTRACTOR SHALL TEST ALL "LIFE SAFETY" EQUIPMENT AND SYSTEMS FOR PROPER FUNCTION AND STATING THE TESTS PERFORMED, THE RESULTS, AND THE DATE TESTS WERE SUCCESSFULLY COMPLETE. "LIFE SAFETY" EQUIPMENT AND SYSTEMS CONSIST OF THOSE AS SPECIFIED IN NFPA 101, NFPA 99, AND THE STATE BUILDING CODE.

L. ALL RECEPTACLES AND INTERIOR SWITCHES ON AUXILIARY POWER CIRCUITS SHALL BE RED IN COLOR. ALL OTHERS SHALL BE IVORY. ALL TRIM PLATES SHALL BE 302 NON- MAGNETIC STAINLESS STEEL. ALL EXTERIOR OR WET LOCATION COVER PLATES SHALL BE LABELED "WET WHILE NOT IN USE." USING ENGRAVED PHENOLIC IDENTIFICATION TAGS HAVING RED LETTERS AND WHITE BACKGROUND, LABEL EACH EMERGENCY RECEPTACLE PLATE WITH THE PANEL AND CIRCUIT NUMBER FROM WHICH SERVED.

M. EXISTING PORTIONS OF THIS FACILITY ARE TO REMAIN IN OPERATION DURING THIS CONSTRUCTION. CONTRACTOR SHALL COOPERATE FULLY WITH THE ADMINISTRATION IN ORDER TO CAUSE AS LITTLE DISRUPTION AS POSSIBLE TO THE FUNCTIONING OF THE FACILITY, AND TO

MAINTAIN THE COMFORT AND SAFETY OF ALL PERSONNEL AND STAFF.

ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION.

FOLLOWING:

N. THIS PROJECT INVOLVES CONSIDERABLE WORK IN EXISTING PORTIONS OF THE FACILITY. EXISTING FEEDER, BRANCH CIRCUITS, COMMUNICATIONS, RACEWAYS, ETC., WHICH ARE DISRUPTED BY THIS PROJECT SHALL BE RE-ROUTED AND/OR RE-FED FROM A NEW SOURCE AS REQUIRED TO MAINTAIN THEM IN FULL AND PERMANENT SERVICE. THE CONTRACTOR SHOULD VISIT THE SITE PRIOR TO BIDDING TO REVIEW EXISTING CONDITIONS. CONTRACTOR SHALL NOT BE EXCUSED FROM PERFORMING REQUIRED WORK BECAUSE HE DID NOT VISIT THE SITE.

O. THIS PROJECT INVOLVES SOME DEMOLITION WORK. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER REMOVAL OF WIRING, RACEWAY, OUTLETS, ETC., AS NECESSARY TO ACCOMPLISH THE DEMOLITION WORK. ANY SALVAGEABLE MATERIALS REMOVED DURING DEMOLITION SHALL BE TURNED OVER TO THE OWNER. REFER TO THE

P. ELECTRICAL CONTRACTOR SHALL REMOVE AND MAKE SAFE ALL CIRCUITS ABANDONED UNDER THIS PROJECT. REMOVE ALL CONDUCTORS NOT USED BACK TO PANEL. CHANGE PANEL DIRECTORY TO REFLECT NEW SPARES. WHERE EXISTING HOMERUNS AND ASSOCIATED WIRING ARE NOTED TO BE REUSED, EXTRA CARE SHALL BE TAKEN TO INSURE THAT THESE EXISTING RUNS REMAIN AFTER THE DEMOLITION PHASE HAS BEEN COMPLETED.

Q. PENETRATIONS OF REQUIRED SMOKE TIGHT PARTITIONS SHALL BE SEALED USING METHODS APPROVED UNDER THE STATE BUILDING CODE. COORDINATION WITH THE OWNER AND ENGINEER SHALL BE MAINTAINED TO INSURE THAT THIS SMOKE STOPPING IS ACCOMPLISHED.

R. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE SECTION 10. COORDINATION WITH THE OWNER AND ENGINEER SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE ONLY APPROVED ASSEMBLIES SUCH AS THE

CONDUIT PENETRATIONS OF 1 & 2 HOUR GYPBOARD WALLS - U.L.#WL1001 CONDUIT PENETRATIONS OF 1 & 2 HOUR CONCRETE OR BLOCK WALLS - U.L.#CAJ1001 CONDUIT PENETRATIONS OF 1 & 2 HOUR CONCRETE FLOORS - U.L.#CAJ1001

S. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE OWNER AND ENGINEER TO INSURE THE INTEGRITY OF THE U.L. RATING IS MAINTAINED. BOXES OF 16 SQUARE INCHES OR LESS SHALL BE INSTALLED IN ACCORDANCE WITH U.L. "FIRE RESISTANCE RATINGS - ANSI/UL263 (BXUV) FOR WALL AND PARTITION ASSEMBLIES.

T. EXISTING CONDUIT RUNS AND OUTLET LOCATIONS HAVE BEEN TAKEN FROM EXISTING DRAWINGS FURNISHED BY THE OWNER AND/OR HIS REPRESENTATIVE AND SHALL BE VERIFIED AT THE PROJECT SITE BY THE ELECTRICAL CONTRACTOR PRIOR TO ANY COMMITMENTS.

U. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A SYSTEM OF LIGHTNING PROTECTION IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS AND WITH THE LATEST APPLICABLE NEC. NFPA 780 "STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS". AND UL 96 "LIGHTNING PROTECTION COMPONENTS" FOR A CLASS 1 BUILDING. THE INSTALLING CONTRACTOR SHALL PROVIDE A UL MASTER LABEL. SUITABLE FOR FASTENING TO THE BUILDING FOR DISPLAY, FOR THE OVERALL SYSTEM PER UL96A. THE GROUND LOOP USED TO EQUALIZE POTENTIALS OF THE DOWNCONDUCTORS OF THE LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO THE GROUNDING SYSTEM FOR THE BUILDING(S) IN COMPLIANCE WITH NEC. THE OVERALL IMPEDANCE OF THE GROUNDING SYSTEM TO EARTH SHALL BE 10 OHMS.

MOUNTING HEIGHTS.

V. REFER TO THE EQUIPMENT MOUNTING DETAIL ON GI002 FOR EQUIPMENT AND DEVICE

W. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE U.L. LISTED. X. ALL CEILING MOUNTED SMOKE DETECTORS SHALL BE INSTALLED A MINIMUM OF 3 FEET AWAY FROM ANY SUPPLY DIFFUSER.

Y. VOLTAGE DROP SHALL NOT EXCEED VA DESIGN MANUAL GUIDELINES; 3% MAXIMUM ON BRANCH CIRCUITS AND 2% MAXIMUM ON FEEDERS.

Z. CONTRACTOR SHALL PROVIDE COMPOSITE COORDINATION PLANS, TO ENGINEERING, INDICATING ALL TRADES WORK AND AREAS OF CONFLICT WITH RESOLUTIONS.

LIGHTING FIXTURE SCHEDULE										
TYPE	BASIS OF DESIGN	CATALOG INFORMATION	LAMP TYPE	MINIMUM LUMENS	COLOR TEMPERATURE	INPUT WATTS	VOLTAGE	MOUNTING	DESCRIPTION	REMARKS
A01	HE WILLIAMS	LT SERIES	LED	4000	4000 K	33 W	UNV		2'x2' LED VOLUMETRIC TROFFER. MINIMUM 22 GAUGE CRS, PAINT-AFTER-FAB COMPONENTS, HIGH REFLECTIVE POLYESTER POWDER COAT FINISH. FROSTED ACRYLIC, CURVED DIFFUSER AND LAMP COMPARTMENT AND ANGLED REFLECTOR.	KENNAL, ACUITY ACCEPTABLE ALTERNATE OR APPROVED EQUAL
A02	HE WILLIAMS	LT SERIES	LED	4000	4000 K	37 W	UNV	RECESSED	2'x4' LED VOLUMETRIC TROFFER. MINIMUM 22 GAUGE CRS, PAINT-AFTER-FAB COMPONENTS, HIGH REFLECTIVE POLYESTER POWDER COAT FINISH. FROSTED ACRYLIC, CURVED DIFFUSER AND LAMP COMPARTMENT AND ANGLED REFLECTOR.	KENNAL, ACUITY ACCEPTABLE ALTERNATE OR APPROVED EQUAL
A04	HE WILLIAMS	MCT SERIES	LED	6000	4000 K	32 W	UNV	RECESSED	2X4 RECESSED CLEAN ROOM TROFFER, COLD ROLLED STEEL, #12 .125" ACRYLIC LENS	KENNAL, ACTITY ACCEPTABLE ALTERNATE OR APPROVED EQUAL
C01	ACUITY LIGHTING	CLX SERIES	LED	4000	4000 K	32 W	UNV	SUSPENDED	4' STRIP LIGHT, COLD-ROLLED STEEL, WITH ENDCAPS AND LENS, WITH WIREGUARD	KENNAL, HE WILLIAMS ACCEPTABLE ALTERNATE OF APPROVED EQUAL
X01	ACUITY LIGHTING	LE SERIES	LED		4000 K	1 W	UNV	SURFACE	CEILING MOUNTED EXIT SIGN, RED LETTERS, WHITE DIECAST ALUMINUM BODY	BASIS OF DESIGN ACUITY LIGHTING, FIXTURE TIO MATCH STATION'S STANDARD

A. CONTRACTOR SHALL PROVIDE SUITABLE TRIM AND APPURTENANCES TO MOUNT FIXTURES IN TYPE OF CEILING OR WALL AS SPECIFIED IN ARCHITECTURAL FINISH SCHEDULES AND REFLECTED CEILING PLAN REGARDLESS OF CATALOG NUMBER GIVEN. CONTRACTOR SHALL VERIFY TYPE OF CEILING OR WALL BY REVIEWING

ARCH. FINISH SCHEDULES AND ORDER NECESSARY KIT IF SO NEEDED. B. FIXTURES SHALL MEET LUMINAIRE DISCONNECT REQUIREMENTS AS SPECIFIED IN NEC 410.130(G) C. FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE OR AS APPROVED BY THE COR.

WIRELESS ACCESS POINT

WEATHERTIGHT GFI

TRANSFORMER

WAP WP

XFMR

D. ALL LED DRIVERS AND CONTROL DEVICES SHALL BE COMPATIBLE AND ALL LED FIXTURES SHALL COME EQUIPPED FOR DIMMING AND LINE VOLTAGE OPERATION. E. LIGHT FIXTURE MUST BE EQUIPPED FOR UNIVERSAL VOLTAGE OPERATION (120 OR 277 VOLT) OR VOLTAGE MUST BE MATCHED TO EACH FIXTURE ACCORDING TO

CIRCUITING ON PLANS.

		CONSULTANTS	ARCHITECT/ENGINEER OF RECORD
		CONSULTING STRUCTURAL ENGINEERS	A/E: HARRELL DESIGN GROUP PC
			10720 SIKES PLACE, SUITE 100
		BRITT, PETERS	CHARLOTTE, NC 28277 704-814-1346 POC: LEE HARRELL PE, LEED AP, QCxP
Revision Number Revisions:	Date:	ASSOCIATES	PRESIDENT WWW.HARRELLDG.COM

VA FORM 08 - 6231

consulting engineers

	Digital Signature not valid withou
ER OF RECORD	Certificate below seal.
HARRELL DESIGN GROUP, PC.	SEAD 3857 Digitally signed by John G. Ross, P
WWW.HARRELLDG.COM COPYRIGHT © 2024	John G. Ross, PE Date: 2024.04.12 11:53:09-04'00'
COFTRIGHT © 2024	

24 1 02 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
ital Signature not valid without Certificate below seal.	DRAWING TITLE
AND CARO	GENERAL NOTES AND S
ANSEAL TO SEAL	
WGINEER C	APPROVED
Digitally signed by John G. Ross, PE	

NOTES AND SCHEDULES	CONSTRUCTION DOCUMENTS SUBMISSION

PROJECT TITLE	PROJECT NU
RENOVATE SPACE FOR LOGISTICS	564-24
(B-1)	BUILDING NU
	1
LOCATION	DRAWING NU
FAYETTEVILLE VA MEDICAL CENTER	
ISSUE DATE CHECKED DRAWN	EG0



COPYRIGHT © 2024

HDG PROJECT: 19022

FULLY SPRINKLERED