15 14 13 12	11 10 9	8 7 6 5	4 3 2 1	
SECTION 260500	SECTION 260519	SECTION 260560	SECTION 262416	
GENERAL REQUIREMENTS FOR ELECTRICAL WORK	LOW VOLTAGE ELECTRICAL CONDUCTORS	INSTALLATION OF WIRE AND CABLE	PART 4. CENERAL	
PART 1 - GENERAL		PART 1 - GENERAL	PART 1 - GENERAL	
1.1 REFERENCES	GENERAL A. THE PROVISIONS OF SECTION 260500, GENERAL REQUIREMENTS FOR ELECTRICAL WORK APPLY	1.1 GENERAL	1.1 GENERAL	
A. AS USED IN THIS SECTION, "PROVIDE" MEANS "FURNISH AND INSTALL", "FURNISH" MEANS "TO PURCHASE AND DELIVER TO THE PROJECT SITE COMPLETE WITH EVERY NECESSARY APPURTENANCE AND SUPPORT AND TO STORE IN A SECURE AREA IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS". AND "INSTALL" MEANS "TO UNLOAD AT THE DELIVERY POINT AT THE	TO THE WORK OF THIS SECTION.	A. THE PROVISIONS OF SECTION 260500, GENERAL REQUIREMENTS FOR ELECTRICAL WORK, APPLY TO THE WORK OF THIS SECTION.	A. THE PROVISIONS OF SECTION 260500, GENERAL REQUIREMENTS FOR ELECTRICAL WORK, APPLY TO THE WORK OF THIS SECTION.	
SITE OR RETRIEVE FROM STORAGE, MOVE TO POINT OF INSTALLATION AND PERFORM EVERY OPERATION NECESSARY TO ESTABLISH SECURE MOUNTING AND CORRECT OPERATION AT THE PROPER LOCATION IN THE PROJECT".	1.2 CODES AND STANDARDS	1.2 CODES AND STANDARDS:	1.2 CODES AND STANDARDS	
1.2 EXAMINATION OF SITE	A. PRODUCTS SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS AND SHALL BE UL_LISTED AND LABELED:	A. PRODUCTS SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS AND SHALL BE UL-LISTED AND LABELED WHERE APPLICABLE.	A. PRODUCTS SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS AND SHALL BE UL_LISTED AND LABELED:	
A. BEFORE SUBMITTING A BID. THE ELECTRICAL CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE SITE TO IDENTIFY EXISTING	ASTM B-3 SOFT OR ANNEALED COPPER WIRE	UL 486A WIRE CONNECTORS AND SOLDERING LUGS FOR USE WITH COPPER	NEMA AB-1 MOLDED CASE CIRCUIT BREAKERS	
CONDITIONS AND DIFFICULTIES THAT MAY AFFECT THE WORK OF THIS SECTION. NO EXTRA PAYMENT WILL BE ALLOWED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS.	ASTM B-8 CONCENTRIC LAY STRANDED COPPER CONDUCTORS NEMA WC-5 THERMOPLASTIC INSULATED WIRE AND CABLE FOR THE TRANSMISSION	CONDUCTORS. UL 510 ELECTRICAL INSULATING TAPE	NEMA PB-1 PANELBOARDS UL 50 ENCLOSURES FOR ELECTRICAL EQUIPMENT	
K B. BEFORE STARTING WORK IN A PARTICULAR AREA OF THE PROJECT. THE ELECTRICAL CONTRACTOR SHALL EXAMINE THE	AND DISTRIBUTION OF ELECTRICAL ENERGY.	PART 2 - PRODUCTS	UL 67 PANELBOARDS UL 489 MOLDED CASE CIRCUIT BREAKERS AND CIRCUIT BREAKER ENCLOSURES	
CONDITIONS UNDER WHICH WORK MUST BE PERFORMED INCLUDING PREPARATORY WORK PERFORMED UNDER OTHER TRADES. AND REPORT CONDITIONS THAT MIGHT ADVERSELY AFFECT THE WORK IN WRITING TO CONSTRUCTION MANAGER.	UL 83 THERMOPLASTIC INSULATED WIRES AND CABLES	2.1 WIRE AND CABLE	1.3 SUBMITTALS	
COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.		A. WIRE AND CABLE ARE SPECIFIED IN OTHER SECTIONS OF DIVISION 26.	A. MANUFACTURER'S PRODUCT DATA SHEETS.	
1.3 SCOPE	A. MANUFACTURER'S PRODUCT DATA SHEETS.	2.2 TERMINATIONS AND SPLICES	B. CIRCUIT BREAKER SCHEDULES.	
A. THE WORK TO BE ACCOMPLISHED UNDER THESE SPECIFICATIONS INCLUDES PROVIDING ALL LABOR, MATERIALS, EQUIPMENT,	PART 2 - PRODUCTS	A. POWER WIRING:	C. DIMENSIONED PLANS, ELEVATIONS, SECTIONS AND DETAILS.	
CONSUMABLE ITEMS, SUPERVISION, ADMINISTRATIVE TASKS, TESTS AND DOCUMENTATION REQUIRED TO INSTALL COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEMS AS DESCRIBED HEREIN AND SHOWN ON THE DRAWINGS. THE ELECTRICAL	2.1 GENERAL	1. TERMINAL LUGS, CONNECTORS AND SPLICES SHALL BE TIN PLATED, HIGH CONDUCTIVITY COPPER	1.4 MANUFACTURERS	
CONTRACTOR SHALL COMPLETELY COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES.	A. ALL CONDUCTORS SHALL BE ANNEALED COPPER IN ACCORDANCE WITH ASTM B-3.	COMPRESSION TYPE. THEY SHALL HAVE CHAMFERED BARRELS AND BE PERMANENTLY IDENTIFIED WITH CONDUCTOR SIZES.	A. SUBJECT TO COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION:	
B. THE ELECTRICAL CONTRACTOR SHALL FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND OBTAIN NECESSARY INSPECTIONS AND APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION, AS REQUIRED TO PERFORM WORK IN	B. THE JACKET OF ALL WIRE SHALL BE PRINTED WITH THE FOLLOWING INFORMATION:	2. TERMINAL LUGS FOR CONDUCTORS NO. 3/0 AWG AND LARGER SHALL BE LONG BARREL NEMA TWO HOLE	SQUARE D	
ACCORDANCE WITH ALL LEGAL REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL PAY UTILITY BACKCHARGES AND EXCESS COSTS AND PERFORM WORK IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.	 MANUFACTURER SIZE 	TYPE.	PART 2 - PRODUCTS	
C. THE WORK SHALL BE COMPLETE FROM POINT OF SERVICE TO EACH OUTLET OR DEVICE WITH ALL ACCESSORY	3. INSULATION TYPE 4. MAXIMUM VOLTAGE	3. SPLICES SHALL BE LONG BARREL BUTT TYPE WITH A CENTER STOP IN THE SPLICE BARREL.	2.1 GENERAL	
CONSTRUCTION AND MATERIALS REQUIRED TO MAKE EACH ITEM OF EQUIPMENT OR SYSTEM COMPLETE AND READY FOR OPERATION. THE WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING.	5. UL LABEL	 HYDRAULIC CRIMPING TOOLS WITH PROPER DIE SIZES WHICH REQUIRE FULL CLOSURE BEFORE REOPENING SHALL BE USED. 	A. PANELBOARDS SHALL BE OF THE SIZES, RATING AND ARRANGEMENT SHOWN ON THE DRAWINGS.	
1. COMPLETE POWER AND LIGHTING SYSTEMS INCLUDING NEW PANELBOARD, OVERCURRENT DEVICES, RACEWAY, BOXES,	C. ALL INSULATION SHALL BE RATED 600 VOLT.	B. LIGHTING AND BRANCH CIRCUITS	B. PANELBOARDS SHALL BE PROVIDED COMPLETE WITH ALL OVERCURRENT DEVICES, ACCESSORIES AND TRIM.	
CABLE AND WIRE.	2.2 POWER WIRING	1. SPLICES AND TAPS IN LIGHTING AND BRANCH CIRCUIT WIRING SHALL BE 3M SCOTCHLOK SPRING	C. ALL PANELBOARDS SHALL BE PROVIDED WITH SAFETY BARRIERS FOR DEAD FRONT CONSTRUCTION.	
2. BRANCH CIRCUITS AND DEVICES FOR POWER AND CONVENIENCE RECEPTACLES.	A. FEEDERS AND MOTOR BRANCH CIRCUITS SHALL BE TYPE XHHW-2. B. ALL DOWED WIDING SHALL BE STRANDED CLASS B STRAND IN ACCORDANCE WITH ASTM B 8	CONNECTORS OR EQUAL.	D. THE REQUIRED SHORT CIRCUIT RATINGS OF ASSEMBLED PANELBOARDS ARE SHOWN ON THE DRAWINGS. THE	
 COMPLETE INTERIOR LIGHTING SYSTEM INCLUDING NORMAL AND EMERGENCY FIXTURES, EXIT SIGNS, LAMPS, CONTROLS, TRIM AND ACCESSORIES. 	B. ALL POWER WIRING SHALL BE STRANDED, CLASS B STRAND IN ACCORDANCE WITH ASTM B-8, MINIMUM SIZE #12 AWG.	C. METAL CLAD CABLE CONNECTORS. 1. FOR NON JACKETED METAL CLAD CABLE IN DRY LOCATIONS, CABLE TERMINATIONS SHALL BE O. Z.	SHORT CIRCUIT RATING OF EVERY OVERCURRENT DEVICE IN THE PANEL SHALL MEET OR EXCEED THE PANEL RATING. UNLESS OTHERWISE NOTED ON THE DRAWINGS, SERIES RATED COMBINATIONS WILL NOT BE	
4. EXTENSION OF EXISTING FIRE ALARM AND DETECTION SYSTEM INCLUDING NOTIFICATION APPLIANCES, AND OTHER	2.3 BRANCH CIRCUITS	 FOR NON-JACKETED METAL CLAD CABLE IN DRY LOCATIONS, CABLE TERMINATIONS SHALL BE O.Z. GEDNEY TYPE PK FOR USE WITH GALVANIZED STEEL ARMOR OR TYPE PK-A FOR USE WITH ALUMINUM ARMOR. CABLE TERMINATIONS SHALL BE PROVIDED WITH LOCKNUTS AND BUSHINGS. 	PERMITTED. E. PROVIDE THROUGH-FEED OR SUB-FEED LUGS AS INDICATED ON PANEL SCHEDULES.	
DEVICES SHOWN ON THE DRAWINGS. 5. EMPTY OUTLET BOXES AND CONDUIT WITH PULL STRING FROM BOX TO NEW CABLE TRAY ABOVE CEILING FOR	A. ALL LIGHTING AND CONVENIENCE RECEPTACLE BRANCH CIRCUIT WIRING SHALL BE TYPE THHN/THWN.	ALUMINUM ARMOR. CABLE TERMINATIONS SHALL BE PROVIDED WITH LOCKNUTS AND BUSHINGS. PART 3 - EXECUTION	E. PROVIDE THROUGH-FEED OR SUB-FEED LUGS AS INDICATED ON PANEL SCHEDULES. 2.2 CABINETS	
5. EMPTY OUTLET BOXES AND CONDUIT WITH PULL STRING FROM BOX TO NEW CABLE TRAY ABOVE CEILING FOR VOICE/DATA LOCATIONS. WIRING, JACKS AND TERMINATIONS ARE BY THE OWNER.		PART 3 - EXECUTION 3.1 RACEWAY APPLICATION	2.2 CABINETS A. BOXES SHALL BE CODE GAUGE GALVANIZED SHEET STEEL.	
6. CONTROL WIRING NOT PROVIDED BY DIVISION 23.	B. BRANCH CIRCUIT WIRING SHALL BE SOLID OR STRANDED CONDUCTOR, MINIMUM SIZE #12 AWG. 2.4 CONTROL WIRING	A. OUTDOORS: APPLY RACEWAY PRODUCTS AS SPECIFIED BELOW UNLESS OTHERWISE INDICATED:	BOXES SHALL BE CODE GAUGE GALVANIZED SHEET STEEL. B. TRIM SHALL BE CODE GAUGE STEEL, ANSI-61 GRAY FINISH WITH STAINLESS STEEL FLUSH TYPE	
G 7. GROUNDING.	A. WIRING FOR CONTROL CIRCUITS SHALL BE THHN/THWN.	EXPOSED CONDUIT: GRC. CONCEALED CONDUIT, ABOVEGROUND: GRC.	LOCK/LATCH HANDLE. ALL LOCKS SHALL BE KEYED ALIKE.	
8. ALL SUPPORT MATERIAL AND HARDWARE FOR RACEWAY AND ELECTRICAL EQUIPMENT.	B. CONTROL WIRING SHALL BE STRANDED, CLASS B STRAND IN ACCORDANCE WITH ASTM B-8,	3. UNDERGROUND CONDUIT: RNC, TYPE EPC-40-PVC 4. BOXES AND ENCLOSURES, ABOVEGROUND: NEMA 250, TYPE 4X.	C. TRIM FOR SURFACE MOUNTED PANELS SHALL BE DOOR-IN-DOOR CONSTRUCTION SUCH THAT THE GUTTER SPACE MAY BE EXPOSED BY A HINGED DOOR.	
9. BRANCH CIRCUITS TO CONTROL PANELS AND DEVICES FURNISHED UNDER OTHER SECTIONS.	MINIMUM SIZE #14 AWG.		D. DIRECTORY FRAMES SHALL BE METAL FRAME WITH PLASTIC COVERS.	
10. TERMINATION OF ALL CABLE AND WIRE UNLESS OTHERWISE NOTED.	2.5 FIXTURE WIRE	 B. INDOORS: APPLY RACEWAY PRODUCTS AS SPECIFIED BELOW UNLESS OTHERWISE INDICATED: 1. EXPOSED, NOT SUBJECT TO PHYSICAL DAMAGE: EMT. 	2.3 BUS	
11. SEALING OF CEILING, WALL AND FLOOR PENETRATIONS.	A. WHERE HIGH TEMPERATURE FIXTURE WIRE IS REQUIRED IT SHALL BE SILICONE RUBBER TYPE SF-2.	 EXPOSED AND SUBJECT TO SEVERE PHYSICAL DAMAGE: GRC. RACEWAY LOCATIONS INCLUDE MECHANICAL ROOMS: 	A. ALL BUS WORK SHALL BE COPPER.	
12. DEMOLITION.	PART 3 -EXECUTION	 CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: TYPE MC CABLE. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, 	B. NEUTRAL BUSSES SHALL BE 100% RATED WITH ADEQUATE CONNECTIONS FOR ALL OUTGOING NEUTRAL	
1.4 RELATED WORK IN OTHER SECTIONS	3.1 GENERAL	ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS.	CONDUCTORS.	
A. THE FOLLOWING WORK IS NOT INCLUDED IN THIS SECTION AND SHALL BE PERFORMED UNDER OTHER SECTIONS:	A. ALL WIRE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 260560, INSTALLATION OF WIRE	5. DAMP OR WET LOCATIONS: GRC.6. BOXES AND ENCLOSURES: NEMA 250, TYPE 1, EXCEPT USE NEMA 250, TYPE 4 STAINLESS STEEL IN DAMP	C. PANELBOARDS SHALL BE PROVIDED WITH COPPER GROUND BUSSES.	
 CONCRETE WORK, INCLUDING CONCRETE HOUSEKEEPING PADS AND OTHER PADS AND BLOCKS FOR VIBRATING AND ROTATING EQUIPMENT. 	AND CABLE.	OR WET LOCATIONS. 7. ALL EMERGENCY BRANCH CIRCUITS AND FEEDERS TO BE INSTALLED IN EMT.	 D. BUS SHALL BE DESIGNED FOR SEQUENCE PHASE CONNECTION TO ALLOW THE INSTALLATION OF ONE, TWO OR THREE POLE BRANCH CIRCUIT BREAKERS IN ANY POSITION. 	
2. CUTTING AND PATCHING OF MASONRY, CONCRETE, TILE, AND OTHER PARTS OF STRUCTURE, WITH THE EXCEPTION OF	END OF SECTION 260519	A. MINIMUM RACEWAY SIZE: 3/4"-TRADE SIZE	2.4 OVERCURRENT DEVICES	
DRILLING FOR HANGERS AND PROVIDING HOLES AND OPENINGS IN METAL DECKS.	<u>SECTION 260526</u>	B. RACEWAY FITTINGS: COMPATIBLE WITH RACEWAYS AND SUITABLE FOR USE AND LOCATION.1. RIGID AND INTERMEDIATE STEEL CONDUIT: USE THREADED RIGID STEEL CONDUIT FITTINGS UNLESS	A. OVERCURRENT DEVICES SHALL BE TRIP-FREE MOLDED CASE, BOLT-ON, THERMAL-MAGNETIC CIRCUIT	
3. PAINTING.	GROUNDING	OTHERWISE INDICATED. COMPLY WITH NEMA FB 2.10. 2. PVC EXTERNALLY COATED, RIGID STEEL CONDUITS: USE ONLY FITTINGS LISTED FOR USE WITH THIS TYPE	BREAKERS.	
4. TEMPORARY WATER, HEAT, GAS AND SANITARY FACILITIES FOR USE DURING CONSTRUCTION.	PART 1 - GENERAL	OF CONDUIT. PATCH AND SEAL ALL JOINTS, NICKS, AND SCRAPES IN PVC COATING AFTER INSTALLING CONDUITS AND FITTINGS. USE SEALANT RECOMMENDED BY FITTING MANUFACTURER AND APPLY IN	 B. MAIN CIRCUIT BREAKERS SHALL BE INDIVIDUALLY MOUNTED AND BOLTED TO BUS ASSEMBLY. BACK-FED BRANCH MOUNTED CIRCUIT BREAKERS ARE PROHIBITED. 	
5. CONTROL WIRING SPECIFICALLY INDICATED AS PART OF DIVISION 23.	1.1 GENERAL	THICKNESS AND NUMBER OF COATS RECOMMENDED BY MANUFACTURER. 3. EMT: USE SETSCREW OR COMPRESSION, STEEL FITTINGS. COMPLY WITH NEMA FB 2.10.	C. FRONT FACES OF ALL CIRCUIT BREAKERS SHALL BE FLUSH. TRIP INDICATION SHALL BE CLEARLY SHOWN	
B. THE ELECTRICAL CONTRACTOR SHALL IDENTIFY LOCATIONS OF PENETRATIONS, STRUCTURAL SUPPORTS, ETC. REQUIRED FOR THE COMPLETION OF THE WORK OF THIS SECTION TO THE GENERAL CONTRACTOR IN A TIMELY MANNER.	A. THE PROVISIONS OF SECTION 260500, GENERAL REQUIREMENTS FOR ELECTRICAL WORK, APPLY TO	 FLEXIBLE CONDUIT: USE ONLY FITTINGS LISTED FOR USE WITH FLEXIBLE CONDUIT. COMPLY WITH NEMA FB 2.20. 	BY THE HANDLE POSITION BETWEEN THE ON AND OFF POSITIONS.	0 ISSUED FOR CONSTRUCTION 4-25-17
1.5 CODES, STANDARDS, AND AUTHORITIES	THE WORK OF THIS SECTION.	C. DO NOT INSTALL ALUMINUM CONDUITS, BOXES, OR FITTINGS IN CONTACT WITH CONCRETE OR EARTH.	D. GROUND FAULT AND ARC FAULT CIRCUIT BREAKERS SHALL REQUIRE NO MORE PANEL SPACE THAN STANDARD BREAKERS.	REV DESCRIPTION DATE
A. ALL WORK SHALL BE PERFORMED STRICTLY AS REQUIRED BY RULES, REGULATIONS, STANDARDS, CODES, ORDINANCES, AND	B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING WHERE REQUIRED INCLUDING GROUND ELECTRODE CONDUCTORS, BONDING JUMPERS, EQUIPMENT GROUNDING CONDUCTORS, CONNECTION OF THE MATERIAL OF A SMALL PROVIDED.	ONS CONTRACTOR OF THE PROPERTY	E. ALL CONNECTIONS SHALL BE RATED FOR 75° C COPPER CONDUCTORS.	ISSUED FOR CONSTRUCTION
LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION. ADDITIONALLY, MATERIALS AND EQUIPMENT SHALL BE MANUFACTURED, INSTALLED AND TESTED AS SPECIFIED IN LATEST	AND OTHER MATERIALS AS MAY BE REQUIRED. 1.2 CODES AND STANDARDS:	3.2 PREPARATION OF RACEWAYS A DAGEWAYS SHALL BE SUBSTANTIALLY COMPLETED REFORE ANY MIDING IS INSTALLED IN THEM. REFORE ANY	PART 3 - EXECUTION	4-25-17
EDITIONS, (EXCEPT WHERE NOTED OTHERWISE), OF PUBLICATIONS, STANDARDS, RULINGS, AND DETERMINATIONS OF: 1. LOCAL AND STATE BUILDING, DUIMBING, MECHANICAL, ELECTRICAL, EIRE AND HEALTH DEPARTMENT AND BUILDING.	1.2 CODES AND STANDARDS: A. PRODUCTS SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS AND SHALL BE UL LISTED.	A. RACEWAYS SHALL BE SUBSTANTIALLY COMPLETED BEFORE ANY WIRING IS INSTALLED IN THEM. BEFORE ANY WIRING IS PULLED INTO A CONDUIT, THE CONDUIT SHALL BE CLEANED AND TESTED FOR OBSTRUCTIONS AND CLEARED OF FOREIGN MATERIAL THAT MAY BE FOUND.	3.1 PANELBOARDS	CURRENT ISSUE STATUS:
 LOCAL AND STATE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, FIRE AND HEALTH DEPARTMENT AND PUBLIC SAFETY CODES AGENCIES. 	AND LABELED.	CLEARED OF FOREIGN MATERIAL THAT MAY BE FOUND.	A. PANELBOARDS SHALL BE PROVIDED WITH A LABEL THAT INDICATES PANELBOAD NAME, VOLTAGE, AMPERAGE AND ELECTRICAL DISTRIBUTION EQUIPMENT THAT THE PANELBOARD IS FED FROM.	ATE OF MALE
2. INTERNATIONAL BUILDING CODE (IBC). 2015 EDITION.	NFPA 70 NATIONAL ELECTRICAL CODE UL 467 GROUNDING AND BONDING EQUIPMENT	3.3 PULLING INTO RACEWAYS A. ALL POSSIBLE CARE SHALL BE TAKEN IN PULLING OF WIRING INTO CONDUITS OR OTHER RACEWAYS. THE	B. PANELBOARD COVERS ARE REQUIRED TO HAVE 2 LABELS. THE FIRST, AN ARC FLASH WARNING LABEL AND	DANIE THE
3. INTERNATIONAL FIRE CODE (IFC). 2015 EDITION.	PART 2 - PRODUCTS	A. ALL POSSIBLE CARE SHALL BE TAKEN IN PULLING OF WIRING INTO CONDUITS OR OTHER RACEWAYS. THE CABLE REELS OR COILS SHALL BE SET UP IN SUCH A WAY THAT THE CONDUCTOR MAY BE TRAINED INTO THE RACEWAY AS DIRECTLY AS POSSIBLE WITH A MINIMUM NUMBER OF CHANGES OF DIRECTION OR AMOUNT OF	THE SECOND, AN OSHA LABEL REQUIRING 3 FEET, (3 FEET 6 INCHES OR 4 FEET AS APPLICABLE), CLEARANCE IN FRONT OF THE PANEL.	TIBLE THE
4. INTERNATIONAL ENERGY CONSERVATION CODE (IECC). 2012 EDITION.	2.1 CONDUCTORS	BENDING. WHERE SEVERAL CABLES ARE CONTAINED IN ONE CONDUIT, ALL SUCH CABLES SHALL BE PULLED IN TOGETHER.		P836
5. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	A. BARE GROUNDING CONDUCTORS SHALL BE SOFT DRAWN STRANDED COPPER, SIZED IN ACCORDANC		END OF SECTION 262416	CENSED WELLER
6. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)	WITH NEC ARTICLE 250, UNLESS OTHERWISE NOTED ON THE DRAWINGS.	THE CABLE MANUFACTURER.		4/24/17
7. FACTORY MUTUAL ASSOCIATION (FM)	B. INSULATED GROUNDING CONDUCTORS SHALL BE STRANDED COPPER WITH TYPE TW, THW OR THHN/THWN INSULATION COLORED GREEN.	3.4 SPLICES AND TERMINATIONS		SMRT Architects and Engineers 144 Fore Street
8. NATIONAL ELECTRICAL CODE (NEC). 2014 EDITION.	PART 3 - EXECUTION	A. ALL POWER AND CONTROL WIRING SHALL BE CONTINUOUS AND SHALL NOT BE SPLICED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.		Portland, Maine 04104
9. NATIONAL ELECTRICAL SAFETY CODE (NESC).	3.1 EQUIPMENT GROUNDING CONDUCTORS	B. BOLTS, NUTS AND HARDWARE USED FOR TERMINATIONS SHALL BE SILICONE BRONZE.		1.877.700.7678 www.smrtinc.com
B. ALL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL), AND APPROVED FOR INTENDED SERVICE.	A. A SEPARATE INSULATED GREEN COPPER CONDUCTOR SHALL BE INSTALLED AS AN EQUIPMENT	C. WHERE TERMINATIONS ARE MADE ON INSULATED BUSES, THE TERMINATIONS SHALL BE INSULATED USING		architecture engineering planning interiors energy
C. WHEN REQUIREMENTS CITED IN THIS PARAGRAPH CONFLICT WITH EACH OTHER OR WITH CONTRACT DOCUMENTS, THE MOST	GROUNDING CONDUCTOR IN ALL RACEWAY AND WITH EVERY FEEDER, BRANCH CIRCUIT AND CONTR CIRCUIT. THIS SHALL BE IN ADDITION TO THE GROUNDED METALLIC CONDUIT SYSTEM.	OL THE PROPER TAPE(S) AND FILLERS FOR THE VOLTAGE LEVEL OF THE CABLE.		MAINE MEDICAL PARTNERS
STRINGENT REQUIREMENTS SHALL GOVERN CONDUCT OF WORK.	B. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE TERMINATED AT BOTH ENDS.	D. CONNECTIONS IN MOTOR TERMINAL BOXES SHALL BE MADE BY INSTALLING COMPRESSION TYPE LUGS ON THE MOTOR BRANCH CIRCUIT CONDUCTORS AND THE MOTOR LEADS AND BOLTING THE LUGS TOGETHER THEN		SURGICAL CARE RENOVATIONS
1.6 CONTRACT DRAWINGS	3.2 CONNECTIONS	INSULATING WITH MOTOR LEAD CONNECTION KITS, RAYCHEM, 3M OR EQUAL.		DODTI AND MAINE
A. WORK TO BE PERFORMED UNDER THIS SECTION IS SHOWN ON THE CONTRACT DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.	A. ALL CONNECTIONS TO BUILDING STEEL SHALL BE EXOTHERMIC WELD.	3.5 IDENTIFICATION		PORTLAND, MAINE
B. THE LISTING OF ELECTRICAL DRAWINGS DOES NOT LIMIT RESPONSIBILITY OF DETERMINING THE FULL EXTENT OF WORK	B. CONNECTIONS TO EQUIPMENT GROUND BUSSES OR PADS SHALL BE COMPRESSION TYPE LUGS,	A. ALL POWER WIRING CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS:		SPECIFICATIONS
REQUIRED BY CONTRACT DOCUMENTS. THE ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL, PLUMBING, HVAC, STRUCTURAL, AND OTHER DRAWINGS AND OTHER SECTIONS THAT INDICATE TYPES OF CONSTRUCTION WITH WHICH WORK	BOLTED TO THE BUS OR PAD.	PHASE 208Y/120V 480Y/277V PHASE A BLACK BROWN		OI LOII IOATIONS
OF THIS SECTION MUST BE COORDINATED. ELECTRICAL CONTRACTOR SHALL CHECK WITH THE GENERAL CONTRACTOR AND OTHER TRADES TO DETERMINE WHETHER THERE WILL BE ANY INTERFERENCE BY SUCH TRADES WITH THE ELECTRICAL	C. GROUNDING CONNECTIONS SHALL BE MADE TO CLEAN, DRY SURFACES. ALL SCALE, RUST, PAINT, GREASE AND OTHER CONTAMINATION SHALL BE REMOVED PRIOR TO MAKING CONNECTIONS. UPON	PHASE B RED ORANGE PHASE C BLUE YELLOW		SHEET TITLE:
WORK. IF THE ELECTRICAL CONTRACTOR FAILS TO CHECK WITH THE GENERAL CONTRACTOR AND THE ELECTRICAL WORK IS LATER FOUND TO INTERFERE WITH THEIR OTHER WORK, THE ELECTRICAL CONTRACTOR SHALL MAKE NECESSARY CHANGES,	COMPLETION OF WELDED CONNECTIONS, ALL SLAG SHALL BE REMOVED.	NEUTRAL WHITE GRAY GROUND GREEN GREEN		0 1/8" 1/2" 1" 2" 3"
WITHOUT ADDITIONAL COST TO THE OWNER, TO ELIMINATE SUCH INTERFERENCE.	3.3 RACEWAY AND EQUIPMENT A ALL BACEWAY AND NON CURRENT CARRYING METAL FOLLIPMENT AND ENCLOSURES SHALL BE	END OF SECTION 260560		
	A. ALL RACEWAY AND NON-CURRENT CARRYING METAL EQUIPMENT AND ENCLOSURES SHALL BE ELECTRICALLY CONTINUOUS AND BONDED TO THE GROUNDING SYSTEM.			SCALE: NONE
A	B. WHERE EQUIPMENT IS PROVIDED WITH A GROUND BUS, ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE TERMINATED ON THE BUS. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL DRILLING			PROJECT MANAGER: DJV PROJECT NO: 17027 A/E OF RECORD: DJT
	AND TAPPING REQUIRED AND PROVIDE ALL HARDWARE.			
	END OF SECTION 260526			DRAWN BY: CDS E-002
	LID OF DECTION ZOOM			SMRT FILE: E-002-17027 SHEET No.