260500 - COMMON WORK RESULTS FOR ELECTRICAL

A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO I COMPLETE ELECTRICAL SYSTEM AS INDICATED ON DRAWINGS, AS REQUIRED BY COD SPECIFIED HEREIN, IN SECTIONS 260500 THROUGH 270511.

- TEMPORARY SERVICE AS REQUIRED.
- PRIMARY DISTRIBUTION BY ELECTRIC COMPANY. SECONDARY SERVICE AND METERING INSTALLATION BY CONTRACTOR.
- EMERGENCY AND EXIT LIGHTING SYSTEMS.
- TELEPHONE SYSTEM CONDUIT AND CABLES AS SHOWN ON THE DRAWINGS. LIGHTING, HEATING AND POWER PANELS AND BRANCH CIRCUIT WIRING.
- WIRING DEVICES AND PLATES. INTERIOR AND EXTERIOR LIGHTING FIXTURES AND LAMPS, INSTALLATION AND V
- LIGHTING CONTROLS.
- 10. CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS.
- B. WORK WHICH SHALL BE PERFORMED BY OTHERS INCLUDES THE FOLLOWING: FINAL CONNECTIONS OF MISCELLANEOUS EQUIPMENT BY ELECTRICAL CONTRA CONTROL WIRING THAT IS FURNISHED BY OTHERS PRE-WIRED IN UNITS. TELEPHONES AND FINAL CONNECTION OF WIRING THERETO. INTERNAL WIRING OF EQUIPMENT FURNISHED AND PRE-WIRED BY OTHERS. SECURITY SYSTEM FURNISHED AND INSTALLED BY SECURITY CONTRACTOR.
- THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESS INSTALL ALL OF THE 208/120 VOLT ELECTRICAL SERVICE FROM THE UTILITY COMPANY TRANSFORMER TO THE SERVICE ENTRANCE EQUIPMENT, INCLUDING CABLES, CONDU WIRE, AND GROUND ROD AND SLEEVE. CONTRACTOR SHALL COORDINATE INSTALLA MAIN ELECTRICAL DISCONNECT WITH THIS WORK.
- ELECTRICAL EQUIPMENT FURNISHED BY OTHER TRADES OR BY THIS CONTRACTOR AN IN OR SHOWN ON CONTRACT DOCUMENTS SHALL BE INSTALLED AND CONNECTED BY CONTRACTOR, EXCEPT AS OTHERWISE NOTED. PROVIDE BRANCH CIRCUIT CONNECT ELECTRICALLY OPERATED EQUIPMENT FURNISHED BY OTHERS AS SPECIFIED IN OR S THE CONTRACT DOCUMENTS. TEMPORARY WIRING FOR OTHER CONTRACTORS SHAL FURNISHED AND INSTALLED BY THIS CONTRACTOR WHO SHALL BE ENTIRELY RESPON THE SAFE AND SATISFACTORY OPERATION OF SAID TEMPORARY WIRING. COMPLY WIT REQUIREMENTS OF OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). PROVIDE PERS GROUND FAULT PROTECTION ON ALL TEMPORARY POWER AND LIGHTING CIRCUITS 3 OR LESS, GROUND FAULT CIRCUIT INTERRUPTERS ON CONSTRUCTION CIRCUITS ARE REQUIRED WHERE CIRCUIT IS A PERMANENT CIRCUIT TO BE A PART OF THE COMPLET BUILDING. HOWEVER, CONTRACTOR SHALL PROVIDE APPROVED CORD SETS INCORP GFCI PROTECTION FOR PERSONNEL. REFER TO THE NEC.
- E. ALL FINISH PAINTING IS TO BE PERFORMED BY GENERAL CONTRACTOR EXCEPT THAT CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ANY PAINTING DEFACED BY CONTRACTOR AFTER ORIGINAL PAINTING.
- F. ALL WORK SHALL BE DONE IN ACCORDANCE WITH:
- NATIONAL ELECTRICAL CODE. CODES: STATE, CITY AND COUNTY BUILDING CODES AND ORDINANCES.
- NATIONAL BOARD OF FIRE UNDERWRITERS.
- CERTAIN CODES AND STANDARDS AS SET UP BY VARIOUS TECHNICAL SOCIETIES UL, NEMA, NECA, IEEE, ASTM, IES, IPCEA, AND ANSI.
- THIS WORK SHALL BE GOVERNED ALSO BY LOCAL INSPECTOR'S REQUIREMENTS FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS. AMERICANS WITH DISABILITIES ACT.
- G. ALL PERMITS REQUIRED BY LAWS, ORDINANCES AND BUILDING CODES HAVING JURISI SHALL BE OBTAINED AT PROPER TIME BY AND AT THE EXPENSE OF THIS CONTRACTO
- H. ALL ELECTRICAL WORK SHALL BE INSPECTED BY THE GOVERNMENTAL AGENCY HAVIN JURISDICTION, INCLUDING LOCAL INSPECTION AUTHORITIES.
- I. UPON COMPLETION OF THE WORK, THIS CONTRACTOR SHALL FURNISH TO THE ARCHI CERTIFICATE OF INSPECTION AND APPROVAL FROM THE ABOVE DEPARTMENT BEFORI PAYMENT ON CONTRACT WILL BE ALLOWED.
- J. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDING BEFORE AN IS CONNECTED. WHEN DIRECTED BY ARCHITECT, DEMONSTRATE BY PROPER VOLTAG TEST OF INSULATION RESISTANCE OF ANY CONDUCTORS AND REPLACE ALL CONDUC FAIL SAID TESTS UNTIL ALL CONDUCTORS ARE FREE FROM INSULATION FAULTS.
- K. ELECTRICAL LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS ARE DETERMINED BY EXAC OF EQUIPMENT, ETC., AND MAY BE REVISED TO SUIT THE CONSTRUCTION CONDITIONS COORDINATION WITH WORK OF OTHER CONTRACTORS.
- ELECTRICAL DRAWINGS ARE INTENDED TO INDICATE APPROXIMATE LOCATIONS OF S RECEPTACLES, LIGHTING FIXTURES AND OTHER ITEMS OF VARIOUS ELECTRICAL SYS PROJECT. EXACT LOCATIONS AND ROUGH-IN DIMENSIONS FOR ALL WORK AND EQUIP BE OBTAINED FROM ARCHITECT OR OWNER AS WORK PROGRESSES. SHOULD THE E CONTRACTOR FAIL TO PROPERLY OBTAIN SLICH LOCATIONS OR DIMENSIONS. THE C SHALL REVISED THE LOCATIONS AT THE CONTRACTOR'S EXPENSE WHEN REQUESTED ARCHITECT OR OWNER. ARCHITECT AND OWNER RESERVE THE RIGHT TO MAKE MINO IN LOCATION OF ELECTRICAL WORK OR EQUIPMENT PRIOR TO ROUGHING IN WITH NO COST
- M. OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF ANY ITEM NOT PRESENT AN ORDERLY OR REASONABLY NEAT OR WORKMANLIKE APPEARANCE. THAT SUCH ITEM CAN BE PROPERLY INSTALLED IN SUCH ORDERLY WAY BY METHODS SUCH WORK. ADDITIONALLY, OWNER WILL DIRECT REMOVAL AND REPLACEMENT OF A WHICH DOES NOT COMPLY WITH CONTRACT DRAWINGS OR SPECIFICATIONS. SUCH R REPLACEMENTS SHALL BE AT THE SOLE DISCRETION OF THE OWNER AND SHALL BE I CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, WHEN SO DIRECTED IN WRITING BY
- N. THE MATERIALS AND EQUIPMENT INSTALLED IN THE WORK SHALL MEET THE REQUIRE THE CONTRACT DOCUMENTS AND NO MATERIALS OR EQUIPMENT SHALL BE ORDERED REVIEWED BY THE OWNER.
- O. MANUFACTURER'S CATALOG CUTS MAY BE SUBMITTED FOR STANDARD CATALOG LIGI FIXTURES AND OTHER EQUIPMENT. CATALOG CUTS MAY BE MARKED UP TO MEET THI SPECIFICATIONS. CUTS SHALL BE MARKED TO INDICATE MODEL NUMBER, SIZE, TYPE, RATING, ETC., OF THE ITEM TO BE FURNISHED.
- P. PROVIDE INSTRUCTION TO OWNER'S OPERATING PERSONNEL AS NECESSARY, SHOWI LOCATIONS AND PROPER OPERATION OF MAJOR ITEMS OF EQUIPMENT AND SYSTEM COMPONENTS AND REFERRING TO THE OPERATING INSTRUCTION MANUAL DESCRIBEI A GUIDE.
- Q. COMPILE TWO (2) WRITTEN MANUALS OF OPERATING INSTRUCTIONS INCLUDING COPI DRAWINGS AND A LISTING OF EQUIPMENT SUPPLIERS. ASSEMBLE IN 8-1/2" X 11" HARD INDEXED BINDER. MATERIAL SHALL BE AS FOLLOWS: 1. TITLE PAGE: TITLE OF JOB, TENANT, ADDRESS, DATE OF SUBMISSION, CONTRACT
 - ENGINEER. INDEX
 - LIST OF MAJOR EQUIPMENT USED IN PROJECT ACCOMPANIED BY CONTRACTOR ORDER NUMBERS AND SUPPLIERS' NAMES AND ADDRESSES.
- ONE COPY OF EACH SHOP DRAWING GROUPED BY TYPES OF EQUIPMENT, I.E., LI 4. FIXTURES, PANELBOARDS, ETC.
- SECTION FOR EACH SYSTEM, INCLUDING: 5. a. BRIEF DESCRIPTION OF SYSTEM OPERATION WITH LOCATION OF MAJOR COI
 - b. LIST OF ITEMS IN SYSTEM REQUIRING PERIODIC SERVICE. REQUIRES SEPAR FOR EACH OF: ELECTRICAL DISTRIBUTION SYSTEM FROM THE SERVICE ENTI EACH LIGHTING AND POWER PANEL AND OTHER SYSTEMS (I.E. CONTROL SY ANY OTHER ELECTRICAL CONTRACTOR SYSTEM LISTED IN THESE SPECIFICA
- R. ELECTRICAL CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIAL FO OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION AND LEAVE HIS WORK IN PE ORDER AT COMPLETION.
- S. SHOULD DEFECTS DEVELOP WITHIN GUARANTEE PERIOD, THIS CONTRACTOR SHALL, UPON NOTICE OF SAME, REMEDY DEFECTS AND HAVE DAMAGES TO OTHER WORK OR FURNISHINGS CAUSED BY DEFECTS OR WORK OR CORRECTING SAME REPAIRED AND/OR REPLACED AT HIS EXPENSE TO CONDITION BEFORE SUCH DAMAGE.
- T. WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE AS A MINIMUM THE LOCATION AND RATING OF EACH PIECE OF EQUIPMENT, GENERAL CONFIGURATION OF WIRE AND CONDUITS INCLUDING SIZES AND ROUTING, ETC.

	DIVISION 26 - ELECTRICAL SPECIFICATIONS 260519 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES	2605	553 - IDENTIF
NSTALL NEW	A. CONDUCTORS SHALL BE COPPER. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE MINIMUM	2605 A.	PROVIDE I
DE AND AS	20 AMP CKT BKR OR FUSE = #12 AWG, THHN/THWN 30 AMP CKT BKR OR FUSE = #10 AWG, THHN/THWN	В.	NAMEPLA PHENOLIC TO 2" X 4".
	40 AMP CKT BKR OR FUSE = #8 AWG, THHN/THWN 50 AMP CKT BKR OR FUSE = #8 AWG, THHN/THWN 100 AMP CKT BKR OR FUSE = #3 AWG, THHN/THWN 125 AMP CKT BKR OR FUSE = #1 AWG, THHN/THWN	C.	LETTERING WIDTH OF
WIRING.	 200 AMP CKT BKR OR FUSE = #3/0 AWG, THHN/THWN B. CONDUCTORS USED FOR EMERGENCY LIGHTING CIRCUITS SHALL BE #10 AWG, MINIMUM, AND SHALL BE RUN IN SEPARATE CONDUIT USED FOR NO OTHER PURPOSE. 	D.	FASTEN N ENAMELEI TEMPERA
	C. CIRCUIT BREAKER/FUSE AND WIRE SIZE COMBINATIONS NOT SHOWN ABOVE SHALL BE APPROVED	2624	16 - PANELE
ACTOR.	BY THE ENGINEER PRIOR TO INSTALLATION.D.THE FOLLOWING COLOR CODE SHALL BE USED:	A.	INSTALL M PLUS CON SUBSTITU
SARY TO	208/120 VOLT PHASE A BLACK PHASE B RED	B.	MODULAR
Y UIT, PULL	PHASE C BLUE NEUTRAL WHITE	D.	(REFER TO MUST VER
TION OF THE	GROUND GREEN ISOLATED GROUND GREEN/YELLOW TRACER		ORDERINO
ND SPECIFIED	260526 - GROUNDING AND BONDING		HAC 2. REL 3. AIC
TIONS TO SHOWN ON LL BE	A. FURNISH AND INSTALL A COMPLETE GROUNDING SYSTEM IN COMPLIANCE WITH ALL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.		4. HVA 5. ANY
IL BL NSIBLE FOR ITH LATEST SONNEL	B. BOND ALL STRUCTURAL STEEL TO EARTH, GROUND RODS OR PLATES, OR WATER SYSTEM AND ISOLATED GROUND FOR IT.	C.	CIRCUIT B (ENCLOSU BREAKERS
0 AMPERES E NOT	C. BOND ALL ROOF MOUNTED EQUIPMENT TO NEC ACCEPTABLE GROUNDS ONLY.	D.	REFER TO
TED ORATING	D. A SEPARATE EQUIPMENT GROUNDING CONDUCTOR, MINIMUM SIZE PER NEC TABLE 250.122, SHALL BE INSTALLED IN ALL FEEDERS, BRANCH CIRCUITS AND CONTROL CIRCUITS. CONDUCTOR INSULATION SHALL BE GREEN.	E.	THIS CON WITH A CL
t This This	E. CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS. ALL ENCLOSURES AND NON-CURRENT CARRYING METALS TO BE GROUNDED. ALL LOCK NUTS MUST CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES. WHERE ENCLOSURES AND NON-CURRENT CARRYING METALS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS.	2627 A.	713 - ELECTR METERING BY THIS CO AS INDICA
	F. ALL RECEPTACLES SHALL BE BONDED TO A GROUND CONDUCTOR USING A #12 AWG MINIMUM BONDING JUMPER BETWEEN RECEPTACLE TERMINAL AND GROUND CONDUCTOR.	2627	26 - WIRING
ES SUCH AS S.	METAL-TO-METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES.	A.	FURNISH A RECEPTAC SHOWN O
0.	G. LIGHTING FIXTURES SHALL BE GROUNDED BY THE USE OF A PIGTAIL FASTENED ON BARE METAL THAT IS FREE OF PAINT.		PREMIUM
DICTION R.	260533 - RACEWAY AND BOXES	В.	RECESSEI
NG	A. ELECTRICAL CONDUCTORS SHALL BE ENCLOSED IN CONTINUOUS GROUNDED EMT CONDUIT RACEWAY SYSTEM EXCEPT AS OTHERWISE NOTED.	C.	SURFACE
IITECT A RE FINAL	B. RACEWAY AND ENCLOSURE SIZES SHALL BE AS SHOWN ON DRAWINGS OR, IF NOT SHOWN, SHALL BE SIZED TO COMPLY WITH NEC FILL REQUIREMENTS FOR CONDUCTORS ENCLOSED.	D. E.	DUPLEX R COVERPL/ ARCHITEC
Y EQUIPMENT	C. PULL OR JUNCTION BOXES SHALL BE PROVIDED IN ALL RACEWAY SYSTEMS AT MAXIMUM OF 100 FOOT INTERVALS AND WHERE REQUIRED TO AVOID EXCESSIVE NUMBER OF BENDS, TO FACILITATE WIRE PULLING OR TO PROVIDE ACCESS TO RACEWAY SYSTEM.	F.	COVERPL
GE MEGGER CTORS WHICH	D. RACEWAYS AND ENCLOSURES SHALL BE ADEQUATELY SUPPORTED FROM BUILDING STRUCTURE WITH APPROVED SUPPORT RODS AND/OR CLAMPS.	G.	WIRING DI ONLY; NO AUTHORIZ
ACT LOCATION IS AND AID IN	E. ALL CONDUIT SHALL BE RIGID HEAVYWALL GALVANIZED STEEL OR THIN WALL EMT WHERE PERMITTED BY CODE OR AS HEREINAFTER SPECIFIED. PVC SCHEDULE 80 CONDUIT WITH RIGID GALVANIZED STEEL ELBOWS MAY BE USED UNDER FLOOR SLAB. MINIMUM CONDUIT SIZE SHALL BE	H.	LOW VOLT
WITCHES, STEMS OF PMENT SHALL LECTRICAL DNTRACTOR	 3/4". F. ALL CONDUIT FITTINGS SHALL BE GALVANIZED MALLEABLE IRON OR STEEL. CONNECTORS AND COUPLINGS SHALL BE THREADED OR CUPPED SET SCREW TYPE, CONCRETE TIGHT. CONDUIT BODIES SHALL BE MALLEABLE IRON, THREADED FOR HEAVYWALL CONDUIT AND CUPPED SET SCREW TYPE FOR EMT, WITH CADMIUM FINISH AND CADMIUM PLATED SHEET STEEL COVERS. 	I. J.	THIS CON SAFETY D MANUFAC FURNISH A SWITCHES
D BY DR CHANGES ADDITIONAL	SYNTHETIC RUBBER GASKETS SHALL BE USED UNDER BODY COVERS EXPOSED TO WEATHER. EMT CONNECTORS SHALL BE INSULATED THROAT TYPE.		AND/OR R AUTOMAT
	G. EMT THIN WALL CONDUIT MAY BE USED INSIDE HOLLOW PARTITIONS, AND ABOVE SUSPENDED CEILINGS AND EXPOSED ABOVE 8'-0" ABOVE FINISHED FLOOR OR ABOVE PANELBOARDS. EMT	K.	
M WHICH DO , PROVIDED S USUAL IN ANY ITEM	CONDUIT MAY NOT BE USED BURIED IN EARTH OR FILL, IN OR UNDER CONCRETE FLOOR OR IN POURED CONCRETE CONSTRUCTION. PVC CONDUIT USED UNDER FLOOR SLABS SHALL HAVE RIGID GALVANIZED STEEL ELLS AND METALLIC CONDUIT ABOVE FLOOR SLAB.	L.	EQUIPMEN SWITCHES PILOT LIGI
REMOVALS OR DONE BY 7 THE OWNER.	H. CONDUIT SHALL GENERALLY BE CONCEALED WHERE POSSIBLE. NO CONDUIT SHALL BE RUN IN SLAB, EXCEPT AS REQUIRED FOR FLOOR-MOUNTED DEVICES.	M.	ANY ACCE FURNISHE INSTALLA
EMENTS OF D UNTIL	I. EXPOSED CONDUIT WILL BE PERMITTED IN ELECTRIC ROOMS, AND SIMILAR UNFINISHED SPACES, OVERHEAD IN AREAS WITHOUT CEILINGS AND ELSEWHERE AT THE DISCRETION OF THE OWNER.	2628	313 - FUSES
	 J. DURING ROUGHING-IN, CAP ALL CONDUITS WHICH MAY BECOME FOULED WITH FOREIGN MATERIAL. 1. FLEXIBLE CONDUIT SHALL BE USED FOR "MAKEUP" CONNECTIONS TO VIBRATING 	A.	ALL FUSE
GHTING E PROJECT , COLOR,	EQUIPMENT, MOTORS, AND AS OTHERWISE NECESSARY OR PERMITTED BY CODE. LIGHTING FIXTURES MAY BE SUPPLIED WITH SHORT LENGTHS (MAX. 6'-0") OF FLEXIBLE CONDUIT. GROUNDING SHALL BE GREEN GROUNDING CONDUCTOR AS SPECIFIED IN "GROUNDING".	B.	ALL FUSES
/ING	 FLEXIBLE CONDUIT SHALL BE UL APPROVED 1/2" MINIMUM TRADE SIZE. LIQUID-TIGHT FLEXIBLE CONDUIT AND LIQUID-TIGHT FITTINGS SHALL BE USED IN AREAS EXPOSED TO THE WEATHER OR EXCESSIVE MOISTURE. 	C.	FUSES 1 A ON 208/12 VOLT SYS
ED BELOW AS	K. NO MORE THAN FOUR (4) 90-DEGREE BENDS WILL BE ALLOWED IN ANY ONE CONDUIT RUN. WHERE MORE BENDS ARE NECESSARY IN ANY SINGLE RUN, A PULL BOX SHALL BE INSTALLED. PULL BOXES	D.	CONTROL SHALL BE
IES OF SHOP DBACKED	SHALL ALSO BE INSTALLED IN LONG RUNS AT A MAXIMUM SEPARATION OF 100'-0". ALL CONDUIT EXCEPT IN CONCRETE SLAB OR EARTH SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO THE LINES OF THE BUILDING, AND NO OUT-OF-PLUMB OR DIAGONAL LINES WILL BE ACCEPTED.	E.	FURNISH S QUANTITY
CTOR, AND	L. OUTLETS SHALL BE PROVIDED FOR DEVICES, LIGHTING FIXTURES, MOTORS AND EQUIPMENT CONNECTIONS, SYSTEMS EQUIPMENT CONNECTIONS, SPECIAL OUTLETS, AND	F.	TYPED LIS
R PURCHASE	AS OTHERWISE REQUIRED.		
LIGHTING			
MPONENTS. RATE SECTION RANCE TO (STEMS AND ATIONS.)			
OR A PERIOD ERFECT			

IFICATION

- NAMEPLATES ON THE FOLLOWING EQUIPMENT:
- TES SHALL INDICATE FUNCTION OF EACH DEVICE. NAMEPLATES SHAL WITH A WHITE SURFACE AND BLACK CORE. USE 1/16" THICK MATERIA '. FOR LARGER SIZES, USE 1/8" THICK MATERIAL.
- NG SHALL BE CONDENSED GOTHIC. THE SPACE BETWEEN LINES SHALL THE LETTERS. USE 1/4" MINIMUM HEIGHT LETTERS WHICH OCCUPY FO LETTER SIZE TO 3/4" ON LARGER PLATES.
- IAMEPLATES TO EQUIPMENT USING ADHESIVE MATERIAL THAT IS INTE ED SURFACES. ADHESIVE SHALL BE NON_AGING FOR AN APPLICATION A ATURE RANGE OF 0 TO 50 DEGREES CELSIUS.

BOARDS

- IODULAR SWITCHGEAR WHICH INCLUDES PANELBOARDS WITH ALL CIF ITROL SYSTEMS FOR HOODS, HVAC AND LIGHTING AS SHOWN ON THE JTIONS OF LOOSE PANELS INSTEAD OF MODULAR SWITCHGEAR IS NOT SWITCHGEAR SHALL BE LISTED/LABLED BY A RECOGNIZED TESTING
- SWITCHGEAR SHALL BE PURCHASED FROM ONE OF THE 'SUPPLIER L O ARCHITECTURAL DRAWINGS). NO SUBSTITUTIONS ARE ALLOWED. TH RIFY ALL REQUIREMENTS OF MODULAR SWITCHGEAR WITH SUPPLIER NG. AT MINIMUM, THIS CONTRACTOR SHALL VERIFY THE FOLLOWING: BREAKER MODIFICATIONS (AMPACITY, NUMBER OF POLES, CONTROL CR, SWITCHING DUTY, SHUNT TRIP, ETC.).
 - LOCATION OF ANY CIRCUITS.
- RATING REQUIRED, AFTER COORDINATING THIS WITH THE LOCAL UTILI C (RTU AND HOOD FANS) CONTROL PACKAGE INCLUDED. OTHER SITE SPECIFIC MODIFICATIONS.
- BREAKERS SHALL BE QUICK MAKE, QUICK BREAK, BOLT ON, THERMAL I URE COMPENSATED), MOLDED CASE TYPE, UL LISTED. 15 AND 20 AMP RS SHALL CARRY THE UL "SWD" MARKING.
- PANEL SCHEDULES ON PLANS FOR ADDITIONAL INFORMATION.
- NTRACTOR SHALL PROVIDE A TYPED CIRCUIT DIRECTORY CARD MOUNT LEAR PLASTIC PROTECTIVE COVER ON INSIDE OF PANEL DOORS.

RICAL SERVICE AND METERING

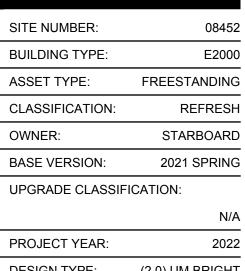
G EQUIPMENT SHALL BE FURNISHED BY ELECTRICAL UTILITY COMPANY CONTRACTOR. COORDINATE WITH ELECTRIC COMPANY. EQUIPMENT SH TED IN ONE-LINE DIAGRAM ON THE DRAWINGS.

DEVICES

- AND INSTALL WIRING DEVICES, INCLUDING SWITCHES, RECEPTACLES ACLES, TELEPHONE OUTLET BOXES, COVERPLATES AND BLANK OUTLE OR DESCRIBED ON DRAWINGS. WIRING DEVICES SHALL BE HUBBELL OF I SPECIFICATION GRADE AS MANUFACTURED BY BRYANT, EAGLE, SLATE , OR LEVITON. COLOR SHALL BE AS DIRECTED BY ARCHITECT OR OWN
- ED OUTLET BOXES SHALL BE STAMPED STEEL SUITABLE FOR THE DEVIC
- MOUNTED OUTLET BOXES SHALL BE CAST IRON SUITABLE FOR THE D
- RECEPTACLES SHALL BE A MINIMUM OF 20 AMPERE RATING.
- ATES SHALL BE PLASTIC UNLESS OTHERWISE NOTED. COLOR SHALL B CT OR OWNER.
- ATES FOR SURFACE MOUNTED BOXES SHALL BE STAMPED STEEL SUIT LAR BOX AND DEVICE CONFIGURATION.
- EVICES UNLESS OTHERWISE PROPERLY AUTHORIZED, SHALL BE SAME ADDITIONAL MANUFACTURERS SHALL BE PERMITTED UNLESS SPECIF ZED BY THE OWNER.
- TAGE CONTROL DEVICES SHALL BE AS NOTED ON DRAWINGS OR AS RE TRACTOR SHALL FURNISH AND INSTALL ALL MOTOR CONTROLS, INCLU DEVICES AND REMOTE CONTROL STATIONS, UNLESS FURNISHED BY EC
- TURER IN PRE-WIRED ASSEMBLIES.
- AND INSTALL CONTACTORS, CONTROL RELAYS, PUSHBUTTON STATIO S, PILOT LIGHTS, FUSES AND SIMILAR CONTROL AUXILIARIES AS SHOW REQUIRED TO PROVIDE PROPER CONTROL AND ISOLATION BETWEEN V TIC CONTROLLERS AND EQUIPMENT SHOWN ON THE DRAWINGS.
- CUIT BREAKERS FEEDING MOTOR LOADS SHALL BE HACR TYPE.
- ENT SHALL BE SAME MAKE AS MOTOR STARTERS. PUSHBUTTON STATIO ES, PILOT LIGHTS: HEAVY DUTY, OIL TIGHT, STANDARD SIZE, WITH TRAN GHTS, FLUSH MOUNTED WHERE PRACTICAL.
- ESS PANELS REQUIRED BUT NOT SPECIFIED OR SHOWN ON DRAWINGS IED BY THIS CONTRACTOR WITH DESIGN TO BE APPROVED BY ARCHITE TION.

- ES SHALL BE BUSSMANN, SIZES AS NOTED ON DRAWINGS.
- ES SHALL BE UL LISTED, CURRENT-LIMITING TYPE, MINIMUM 200,000 AMPS INTERRUPTING
- AMP AND ABOVE SHALL BE BUSSMANN "LOW PEAK" RK-1. 250 VOLT FUSES SHALL BE USED STEMS.
- FUSES FOR MOTOR STARTERS, CONTACTORS, AND CONTROL PANEL TRANSFORMERS E BUSSMANN FNQ-R SIZED AT 500% RATED CURRENT.
- I SPARE FUSES TO THE OWNER IN THE FOLLOWING QUANTITIES: 10% OF TOTAL PROJECT (BUT NOT LESS THAN THREE (3) FOR EACH TYPE AND RATING OF FUSES).
- IST OF ALL SPARES SHALL ALSO BE INCLUDED.

		SITE NU
	262816 - ENCLOSED SWITCHES AND CIRCUIT BREAKERS	BUILDIN
	A. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE, UL LISTED.	ASSET 1
LL BE LAMINATED	B. ALL SWITCHES SHALL HAVE SWITCH BLADES WHICH ARE FULLY VISIBLE IN THE "OFF" POSITION	CLASSIF
IAL FOR PLATES UP	WHEN THE SWITCH DOOR IS OPEN. SWITCHES SHALL HAVE REMOVABLE ARC SUPPRESSORS WHERE NECESSARY TO PERMIT EASY ACCESS TO LINE SIDE LUGS. LUGS SHALL BE FRONT REMOVABLE AND UL LISTED FOR 75 DEGREES C., ALUMINUM OR COPPER WIRES.	OWNER
L BE EQUAL TO THE FOUR TO THE INCH.	C. SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK, THE OPERATING HANDLE SHALL BE AN INTEGRAL	BASE VE
ENDED FOR USE ON	PART OF THE BOX, NOT THE COVER. PROVISIONS FOR PADLOCKING THE SWITCH IN THE "OFF" POSITION WITH AT LEAST THREE LOCKS SHALL BE PROVIDED. SWITCHES SHALL HAVE A DUAL COVER INTERLOCK TO PREVENT UNAUTHORIZED OPENING OF THE SWITCH DOOR WHEN THE HANDLE IS IN THE "ON" POSITION, AND TO PREVENT CLOSING OF THE SWITCH MECHANISM WITH	
	THE DOOR OPEN. THE HANDLE POSITION SHALL INDICATE WHETHER THE SWITCH IS "ON" OR "OFF".	DESIGN
CIRCUIT BREAKERS, IE DRAWINGS. DT ALLOWED.	D. SWITCHES SHALL BE FURNISHED IN NEMA 1 GENERAL PURPOSE ENCLOSURE EXCEPT ALL SWITCHES LOCATED OUTDOORS SHALL BE NEMA 3R WEATHERPROOF (WP). NEMA 3R ENCLOSURE SHALL BE MANUFACTURED FROM GALVANIZED STEEL. ENCLOSURES SHALL HAVE A GRAY BAKED ENAMEL FINISH, ELECTRODEPOSITED, ON CLEANED, PHOSPHATIZED STEEL.	DRAWIN
LABORATORY. LIST' COMPANIES THIS CONTRACTOR	E. SWITCHES SHALL BE RATED FOR AC. FUSIBLE SWITCHES MUST ACCEPT CLASS R FUSES AND HAVE PROVISIONS TO REJECT ALL FUSES EXCEPT CLASS R. THE UL LISTED SHORT CIRCUIT RATING OF THE SWITCHES SHALL BE 200,000 RMS SYMMETRICAL AMPERES WHEN CLASS R FUSES ARE USED.	
R PRIOR TO	265100 - INTERIOR LIGHTING	
DL, RATINGS, GFCI,	A. INSTALL LIGHTING FIXTURES AS SHOWN ON THE DRAWINGS.	
ILITY COMPANY.	B. ALL FIXTURES SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES AND ENERGY STAR AND/OR DLC LISTING.	
_ MAGNETIC TRIP	C. FIXTURES ARE TO BE PROVIDED COMPLETE WITH END AND TRIM PLATES AND ALL MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE FIXTURE INSTALLATION.	
P SINGLE POLE	D. USE STEEL WIRE HANGERS FASTENED TO THE BUILDING STRUCTURE TO SUPPORT RECESSED FIXTURES AT EACH CORNER. (FOUR-CORNER SUSPENDED). FIXTURES TO FIT TIGHT AGAINST CONSTRUCTION TO ELIMINATE LIGHT LEAKS.	
NTED IN A FRAME	E. WALL-MOUNTED FIXTURES SHALL BE MOUNTED PLUMB WITH BUILDING LINES AND INSTALLED WITH LIGHTING CONTROL (IECC 2012) PROPER BOX AND COVER HARDWARE.	
NY, AND INSTALLED	F. SURFACE-MOUNTED FIXTURES SHALL COVER MOUNTING HARDWARE. USE A CANOPY THAT IS NO LONGER THAN THE LENGTH AND WIDTH OF THE FIXTURE AND AT A HEIGHT THAT IS NO HIGHER THAN REQUIRED TO MOUNT FIXTURE ABSOLUTELY VERTICAL. CANOPY FINISH SHALL MATCH FIXTURE FINISH.	ST
SHALL BE INSTALLED	G. STEM-MOUNTED FIXTURES SHALL BE MOUNTED SO AS TO BE ABSOLUTELY VERTICAL AND HORIZONTAL. INSTALL AND SUPPORT AS SHOWN ON DRAWINGS.	12540 CORA OF
	270510 - TELEPHONE CONDUIT SYSTEM	
S AND POWER ET PLATES AS DR EQUIVALENT	A. CONDUIT FOR TELEPHONE WALL OUTLETS SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.	
ATER, PASS & VNER. /ICE INSTALLED.	B. TELEPHONE OUTLET BOXES SHALL BE SINGLE GANG. PLATES SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.	
DEVICE INSTALLED.	C. FURNISH AND INSTALL A 3/4" THICK TELEPHONE BACKBOARD AT LOCATION SHOWN ON THE DRAWINGS. THE PLYWOOD BACKBOARD SHALL BE SECURELY ATTACHED TO THE BUILDING WALLS TO SUPPORT RELAY PANELS, TERMINAL BLOCKS AND OTHER HARDWARE WEIGHING APPROXIMATELY 10 POUNDS PER SQUARE FOOT. PRIME AND PAINT THE BACKBOARD SIDES AND EDGES WITH TWO COATS OF GRAY FLAMEPROOF PAINT.	
BE AS DIRECTED BY	D. CONDUIT SYSTEM SHALL BE CONTINUOUS FROM OUTLETS TO TELEPHONE BACKBOARD. INSTALL PULL STRING IN EMPTY CONDUITS.	
JITABLE FOR THE	E. INSTALL #6 GROUND WIRE FROM TELEPHONE BACKBOARD TO SERVICE ENTRANCE GROUND PER TELEPHONE COMPANY'S REQUIREMENTS.	
ME MANUFACTURERS	270511 - IT INSTALLATION	
REQUIRED.	A. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING WENDY'S REQUIREMENTS AND FORMS TO ENSURE A TIMELY INSTALLATION OF IT EQUIPMENT. THE	
LUDING STARTERS, EQUIPMENT	CONTRACTOR SHALL COMPLETE, SIGN, AND RETURN THE IT READINESS FORM AS REQUIRED. B. THE FOLLOWING ARE THE SITE READINESS MINIMUM REQUIREMENTS.	
	1. THE INSTALLATION OF ALL KITCHEN EQUIPMENT IS COMPLETE.	
ONS, SELECTOR WN ON DRAWINGS VARIOUS	 THE BUILDING HAS PERMANENT POWER. ALL ISOLATED GROUND (IG RECEPTACLES) ARE INSTALLED AND ENERGIZED. THE FRONT COUNTERS ARE COMPLETE AND ENERGIZED. INTERIOR WALLS ARE COMPLETED FOR KIOSKS. ELECTRICAL EQUIP IS INSTALLED & OPERATIONAL. ELECTRICAL IS INSTALLED AND ENERGIZED & WALLS ARE COMPLETED & READY FOR 	
IONS, SELECTOR	QUEUING BOARDS. 8. DRIVE THRU LOOPS ARE INSTALLED TO HME'S SPECIFICATIONS. 9. BUN WARMERS ARE INSTALLED. 10. MWS CART IS ONSITE. 11. HME LOOPS (DRIVE THRU LOOPS) ARE VISIBLE.	
GS SHALL BE ECT BEFORE	 C. THE CONTRACTOR SHALL COORDINATE WITH WENDY'S CONSTRUCTION MANAGER, WENDY'S IT MANAGER, AND WENDY'S IT INSTALLATION CONTRACTOR TO SCHEDULE THE INSTALLATION IN A TIMELY MANNER. 	
	HMELY MANNER.	



GN TYPE: (2.0) UM BRIGHT VING RELEASE: 2021 SPRING





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Mendys	#08452 (STARBOARD #469 648 BARNES BLVD. ROCKLEDGE, FL 32955
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