































	DUPLEX RECEPTACLE. NEMA CONFIGURATION 5-15R/5-20R, PER SPECIFICATION
	DOUBLE DUPLEX (QUAD) RECEPTACLE NEMA CONFIGURATION 5-15R/5-20R, PER SPECIFICATION
	DUPLEX RECEPTACLE AS ABOVE, GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE OR PROTECTED BY UPSTREAM GFCI RECEPTACLE.
	DUPLEX RECEPTACLE AS ABOVE, COUNTERTOP
	DUPLEX RECEPTACLE AS ABOVE, COUNTERTOP GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE OR PROTECTED BY UPSTREAM GFCI RECEPTACLE.
	WEATHER RESISTANT GFCI DUPLEX RECEPTACLE AS ABOVE, WITH WEATHERPROOF COVER
	DUPLEX RECEPTACLE AS ABOVE, HORIZONTAL MOUNTING
	DUPLEX RECEPTACLE AS ABOVE, WITH TWO INTEGRAL USB PORTS
	DUPLEX RECEPTACLE AS ABOVE, SPLIT YOKE, BOTTOM SECTION OF RECEPTACLE SHALL BE SWITCHED, TOP SHALL ALWAYS BE HOT.
	DUPLEX RECEPTACLE AS ABOVE, STANDBY POWER (SUBSCRIPT DESIGNATIONS SAME AS ABOVE)
	DUPLEX RECEPTACLE AS ABOVE, CEILING MOUNTED.
	DUPLEX RECEPTACLE AS ABOVE, IN FLOOR BOX
	COMBINATION DUPLEX RECEPTACLE/DATA OUTLET, IN FLOOR BOX, SIZE PER SPECIFICATION, "F" INDICATES TOTAL OUTLETS (HALF VOICE, HALF DATA), PROVIDE ONE VOICE AND ONE DATA IN ABSENCE OF A NUMBER
	COMBINATION RECEPTACLE/TV OUTLET, PROVIDE ARLINGTON TVBSS05 2G W/ F-TYPE CONNECTOR (OR APPROVED EQUAL) AND R66 CABLEING, PROVIDE DUPLEX RECEPTACLE AND WIRING WITH VOLTAGE DIVIDER
	DUPLEX RECEPTACLE AS ABOVE, PROVIDE WITH CORD REEL MOUNTED TO STRUCTURE
	SIMPLEX SINGLE RECEPTACLE, NEMA CONFIGURATION 5-15R/5-20R PER SPECIFICATION (SUBSCRIPT DESIGNATIONS SAME AS ABOVE)
	SPECIAL RECEPTACLE, NEMA TYPE AS INDICATED ON PLAN
	208Y/120V PANELBOARD, EXTENDED FRONT LINES INDICATE RECESSED, OTHERWISE SURFACE MOUNTED.
	480Y/277V PANELBOARD, EXTENDED FRONT LINES INDICATE RECESSED, OTHERWISE SURFACE MOUNTED.
	120/240V PANELBOARD, EXTENDED FRONT LINES INDICATE RECESSED, OTHERWISE SURFACE MOUNTED.
	JUNCTION BOX - CEILING, WALL OR FLOOR MOUNTED
	MANUAL MOTOR STARTER SWITCH - NO OVERLOADS
	MANUAL MOTOR STARTER SWITCH - W/ OVERLOADS
	TIMER SWITCH
	SAFETY SWITCH
	COMBINATION TYPE MOTOR STARTER
	ENCLOSED CIRCUIT BREAKER
	MOTOR STARTER
	GENERATOR ANNUNCIATOR PANEL
	EMERGENCY STOP PUSHBUTTON STATION
	IN-GRADE MANHOLE, TYPE AS NOTED
	IN-GRADE HANDHOLE, TYPE AS NOTED
	METER

○ □ ▢

○ □ ▭ LIGHTING FIXTURE, CEILING MOUNTED

▬ ○ LIGHTING FIXTURE, WALL MOUNTED






⊙ LIGHTING FIXTURE, PENDANT MOUNTED

	LED LIGHT TAPE
	EMERGENCY LIGHTING FIXTURE
	EMERGENCY BATTERY TYPE LIGHTING FIXTURE
	EMERGENCY REMOTE HEAD TYPE LIGHTING FIXTURE
	EXIT SIGN, SINGLE FACE, CEILING/WALL MOUNTED
	EXIT SIGN, DOUBLE FACE, CEILING/WALL MOUNTED
	EXIT SIGN, AS ABOVE, WITH DIRECTIONAL ARROWS
	COMBINATION EXIT SIGN EMERGENCY LIGHT, SINGLE FACE, WALL MOUNTED
	SINGLE POLE TOGGLE SWITCH
	THREE-WAY TOGGLE SWITCH
	FOUR-WAY TOGGLE SWITCH
	DIMMER CONTROL SWITCH
	LOW VOLTAGE PUSHBUTTON WALL STATION
	LOW VOLTAGE PUSHBUTTON WALL STATION WITH DIMMING CONTROL
	LIGHTING CONTROL OCCUPANCY/VACANCY SENSOR WALL SWITCH
	LIGHTING CONTROL OCCUPANCY/VACANCY SENSOR DIMMING WALL SWITCH
	WEATHERPROOF LIGHTING CONTROL SWITCH, TYPE AS NOTED
	LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED
	LIGHTING CONTROL OCCUPANCY SENSOR, WALL MOUNTED
	LIGHTING CONTACTOR, AS NOTED OR SCHEDULED
	TIME CLOCK
	LIGHTING ROOM CONTROLLER, LOW VOLTAGE
	LIGHTING ZONE CONTROLLER, LOW VOLTAGE
	LIGHTING DAYLIGHT SENSOR, CEILING MOUNTED
	EMERGENCY LIGHTING RELAY FOR OVERRIDE CONTROL
	PHOTOCELL, WALL MOUNTED


























AFF
AFG

AF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AFB	ABOVE FINISHED GRADE	LED	LIGHT EMITTING DIODE
AL	ALUMINUM	LKA	LOCKED ROTARY AMPS
ALC	AMERICAN DISABILITY ACT	LV	LOW VOLTAGE
AWG	AMERICAN WIRE GAUGE	MGB	MAIN CIRCUIT BREAKER
	(AMPERE(S))	MGB	MAIN GROUND BAR
AIC	AMPERE INTERRUPTING CAPACITY	MLO	MASS LESS UNITS
AFRC	ARC FAULT CIRCUIT INTERRUPTER	MAN	MANUAL TRANSFER SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	MISC	MISCELLANEOUS
BATT	BATTERY	MOD	MODER OPERATED DAMPER
BF	BELOW FINISHED CEILING	MOUNTD	MOUNTED
BFG	BELOW FINISHED GRADE	MH	MOUNTING HEIGHT
BVS	BOLTLESS PRESSURE SWITCH	NEC	NATIONAL ELECTRICAL CODE
BLD	BUILDING	NL	NIGHT LIGHT (NIGHT LIGHT)
CPTV	CABLE TELEVISION	NFSS	NOT-FUSED SAFETY SWITCH
C	CIRCUIT	NC	NORMALLY CLOSED
CLG	CEILING	NO	NORMALLY OPEN
CKT	CONDUIT	NIC	NOT IN CONTRACT
C/B	CIRCUIT BREAKER	NTS	NOT TO SCALE
CONT	CONTINUATION	OE	OVERHEAD ELECTRIC
CU	COPPER	OT	OVERHEAD TELECOMMUNICATIONS
CT	CURRENT TRANSFORMER	PNL	PANELBOARD
DELTA	DELTA CONNECTED	PH	PHASE
DACT	DIGITAL ALARM COMMUNICATOR TRANSFER	P	POLE
DC	DIRECT CURRENT	PVC	POLYVINYL CHLORIDE
DISC	DISCONNECT	PT	POTENTIAL TRANSFORMER
DAS	DISTRIBUTED ANTENNA SYSTEM	PWR	POWER
2P	DOUBLE POLE	PF	POWER FACTOR
DPDT	DOUBLE POLE, DOUBLE THROW	PRM	PRIMARY
DPST	DOUBLE POLE, SINGLE THROW	REC	RECEPTACLE
DT	DOUBLE THROW	RL	REMOVE AND RETAIN FOR RELOCATION
DWG	DRAWING	ROOM	ROOM
DE/DT	DOUBLE ELEMENT / TIME DELAY	RMS	ROOT MEAN SQUARE
EMT	ELECTRICAL METALLIC TUBING	RM	REMOVE EXISTING
ENC	ENCLOSURE	RSC	REMAINING SAFETY DISCONNECT SWITCH
EM	EMPTY CONDUIT	SEC	SECONDARY
EMC	EMERGENCY CIRCUIT BREAKER	SD	SERVICE DISCONNECT
EVS	ELECTRIC MANAGEMENT SYSTEM	SC	SHORT CIRCUIT CURRENT
EV	ELECTRIC VEHICLE	SS	(RMS SYMMETRICAL AMPERES)
EX	EXISTING	SCCR	SHORT CIRCUIT CURRENT RATING
EX	EXISTING LOCATED	IP	SINGLE POLE
ETR	EXISTING TO REMAIN	SPOT	SINGLE POLE DOUBLE THROW
FT	FEET	SPST	SINGLE POLE, SINGLE THROW
F	FEET	ST	SINGLE THROW
FACP	FIRE ALARM	SN	SOLID NEUTRAL
FACP	FIRE ALARM ANNUNCIATOR PANEL	SPR	SPRINKLER PROTECTION DEVICE
FACP	FIRE ALARM CONTROL PANEL	SWBD	SWITCHBOARD
FACP	FIRE ALARM EXTENDER PANEL	SYM	SYMMETRICAL
FLA	FULL LOAD AMPERES	TGB	TELECOMMUNICATIONS GROUND BAR
F	FUSED OR FUSIBLE	TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
FSS	FUSED SAFETY SWITCH	TELE	TELEPHONE
FSS	FUSED SWITCH	TTB	TELEPHONE TERMINAL BOARD
G/RND	GROUND BAR	TMS	TERMINAL MANUAL SWITCH
GFC	GROUNDING ELECTRODE CONDUCTOR	KCM	THOUSAND CIRCULAR MILS
GFI	GROUND FAULT CIRCUIT INTERRUPTER	SP	THREE POLE
HG	HAND-OPERATED AUTOMATIC	XFMR	TRANSFORMER
HZ	HERTZ	TYP	TYPICAL
HID	HIGH INTENSITY DISCHARGE	UG	UNDERGROUND ELECTRIC UT
HIP	HIGH PRESSURE SODIUM	UL	UNDERGROUND TELECOMMUNICATIONS
HV	HIGH VOLTAGE	UNO	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UT	UNLESS NOTED OTHERWISE
HG	ISOLATED GROUND	V	VOLTS
IT	INFORMATION TECHNOLOGY	VA	VOLT-AMPERE
ITGB	INFORMATION TECHNOLOGY GROUND BAR	WH	WATER HEAT
JUB	JUNCTION BOX	W	WATTS, WIRE
KV	KILOVOLTS	WP	WEATHERPROOF
KVA	KILOVOLT-AMPERES	WY	WYE
KW	KILOWATTS	WCR	WITHSTAND AND CLOSE-OFF RATING
		WYE	WYE CONNECTED

\$

\$	SWITCHES	46" AFF TO ζ (UNO)
	RECEPTACLES	18" AFF TO ζ (UNO)
	COUNTER RECEPTACLES	9" ABOVE COUNTER TO ζ (UNO)
	} PANELBOARDS	6'-6" AFF TO TOP OF PANEL
		
	MISC. EQUIPMENT BOXES	COORDINATE IN FIELD
+X"	ITEMIZED MOUNTING HEIGHT	HEIGHT DESIGNATED BY SUBSCR

FA

	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUCIATOR PANEL
	FIRE ALARM EXPANDER PANEL
	FIRE ALARM HORN/STROBE COMBINATION, WALL MOUNTED
	FIRE ALARM STROBE, WALL MOUNTED
	FIRE ALARM HORN, WALL MOUNTED
	FIRE ALARM SPEAKER/STROBE, WALL MOUNTED
	FIRE ALARM SPEAKER, WALL MOUNTED
	FIRE ALARM HORN/STROBE COMBINATION, CEILING MOUNTED
	FIRE ALARM STROBE, CEILING MOUNTED
	FIRE ALARM HORN, CEILING MOUNTED
	FIRE ALARM SPEAKER, CEILING MOUNTED
	FIRE ALARM SPEAKER/STROBE, CEILING MOUNTED
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM HEAT DETECTOR, CEILING MOUNTED
	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED
	FIRE ALARM DUCT SMOKE DETECTOR
	FIRE ALARM COMBINATION SMOKE/CARBON MONOXIDE DETECTOR, CEILING MOUNTED
	SPRINKLER FLOW SWITCH
	SPRINKLER VALVE TAMPER SWITCH
	DRY PIPE SPRINKLER PRESSURE SWITCH
	DOOR HOLD OPEN DEVICE
	CONTROL MODULE
	MONITOR MODULE
	FIRE SMOKE DAMPER

PRC
DRA

1. PROVIDE LABOR, EQUIPMENT AND MATERIALS NECESSARY FOR THE INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM AS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS. OUTLINE DESCRIPTION AND DIAGRAMMATIC REPRESENTATION OF SYSTEM OPERATION AND EQUIPMENT DOES NOT LIMIT CONTRACTOR LIABILITY FOR FURNISHING AND INSTALLING COMPLETE AND OPERABLE SYSTEMS.
2. "DRAWING NOTES" APPLY TO WORK ON THAT INDIVIDUAL DRAWING. "SPECIFIC NOTES" APPLY ONLY WHERE INDICATED WITH THE "SPECIFIC NOTE" SYMBOL.
3. WIRE AND CONDUIT SIZES ARE BASED ON COPPER CONDUCTORS UNLESS SPECIFICALLY NOTED OTHERWISE.
4. VOLTAGE DROP CALCULATIONS ARE BASED ON CIRCUIT LOADING AND DISTANCES GENERALLY AS CIRCUITED ON PLAN. IF ALTERNATE CONDUIT ROUTING, CIRCUIT LOADING, OR CONDUCTOR MATERIAL IS PROVIDED, VERIFY VOLTAGE DROP, AND SUBMIT VOLTAGE DROP CALCULATIONS PER SPECIFICATION.
5. UNLESS OTHERWISE NOTED, CIRCUITS HAVE NOT BEEN DERATED FOR CONDUCTOR BUNDLING. NOR HAVE CONDUITS BEEN SIZED FOR MULTIPLE CIRCUITS. IF MULTIPLE CIRCUITS ARE INSTALLED IN A SINGLE RACEWAY, DERATE CONDUCTOR CAPACITY PER NEC, AND PROVIDE APPROPRIATE SIZE CONDUIT, WHERE CONDUIT SIZE INCREASES, COORDINATE WITH ADJACENT UTILITIES AND BUILDING FEATURES.
6. COORDINATE WITH OWNER'S REPRESENTATIVE FOR SCHEDULING OF WORK.
7. WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
8. KEEP THE WORK SPACE AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH GENERATED BY WORK FROM THIS CONTRACT. PROPERLY AND LEGALLY DISPOSE OF MATERIALS.
9. JOB SITE SAFETY SHALL BE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
10. DRAWINGS SHALL NOT BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LOCATIONS AND THE MECHANICAL DRAWINGS FOR EXACT MECHANICAL EQUIPMENT LOCATIONS. LOCATIONS OF ELECTRICAL EQUIPMENT AND CONDUIT ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT LOCATIONS IN FIELD.
11. CONFIRM EQUIPMENT LOCATIONS AND PLUG TYPES PRIOR TO RECEPTACLE INSTALLATION. PROVIDE RECEPTACLE TYPES TO MATCH PLUG TYPES AND NEMA CONFIGURATION.
12. COORDINATE WORK WITH OTHER TRADES. ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND OTHER DRAWINGS AND SPECIFICATIONS SHALL BE CONSULTED AND COORDINATED WITH PRIOR TO ROUGH-IN.
13. EXISTING ELECTRICAL INSTALLATION:
 - a. EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. FOR ELECTRICAL MATERIAL AND EQUIPMENT TO BE REMOVED, REFER TO ELECTRICAL DEMOLITION NOTES.
 - b. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONNECTED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH NEW WORK.
 - c. DO NOT DISCONTINUE ANY ELECTRICAL SERVICE WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE USER AGENCY. THE ELECTRICAL SERVICE OUTAGES SHALL BE KEPT TO A MINIMUM. WRITTEN APPROVAL FOR DISCONNECTING THE SERVICES MAY BE OBTAINED ONLY BY APPLYING IN ADVANCE OF TEN WORKING DAYS. OUTAGES SHALL BE LIMITED TO WEEKEND OR HOLIDAY PERIODS.
14. WHEN MOUNTING ELECTRICAL WORK IN AREAS SUBJECT TO PEDESTRIAN TRAFFIC, MAINTAIN REQUIRED HEADROOM CLEARANCES.
15. WHEREVER POSSIBLE, OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT, WHETHER FURNISHED UNDER THIS DIVISION, ANOTHER DIVISION, OR BY OTHERS, SHALL BE MADE UNDER THIS DIVISION. FINAL CONNECTIONS TO EQUIPMENT SHALL CONSIST OF SAME SIZE PHASE CONDUCTORS, NEUTRAL CONDUCTORS (AS APPLICABLE), GROUND CONDUCTORS, CONTROL CONDUCTORS (AS APPLICABLE), AND CONDUIT SIZES AS INDICATED ELSEWHERE.
16. PRIOR TO PURCHASE AND INSTALLATION OF ANY MOTOR CONTROL EQUIPMENT (STARTERS, ETC.), VERIFY ACTUAL MOTOR ELECTRICAL CHARACTERISTICS. STARTER OVERLOADS SHALL BE SIZED IN ACCORDANCE WITH ACTUAL MOTOR FULL LOAD AMPERES.
17. PROVIDE TYPE CIRCUIT DIRECTORIES FOR NEW AND EXISTING PANELBOARDS TO INDICATE TYPE OF LOAD SERVED AND AREA SERVED (E.G. RECEPTACLES-OFFICE (20)).
18. PROVIDE SEPARATE UNSHARED NEUTRAL CONDUCTOR(S) FOR EACH CIRCUIT UTILIZING A NEUTRAL, UNLESS SPECIFICALLY INDICATED OTHERWISE. MULTIWIRE BRANCH CIRCUITS ARE NOT PERMITTED.
19. CENTER EQUIPMENT OR DEVICES LOCATED ABOVE OPENINGS SUCH AS DOORS, LOUVER, ETC. ABOVE THE OPENING.
20. ELECTRICAL PENETRATIONS IN FIRE-RESISTANCE-RATED CONSTRUCTION SHALL COMPLY WITH REQUIREMENTS OF INTERNATIONAL BUILDING CODE. PROVIDE LISTED FIRE STOP METHOD FOR PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS TO MAINTAIN THE APPLICABLE FIRE RATING.
21. PROVIDE STRUCTURAL STEEL FRAME SUPPORTS AS REQUIRED FOR DISCONNECT SWITCHES, MOTOR STARTERS, ETC. IF DISCONNECT SWITCHES OR STARTERS ARE LOCATED ON EXISTING MOUNTING SURFACES, PROVIDE SUPPORTS WITH EQUIPMENT SUPPLIER. PROVIDE SUPPORTS TO ENSURE SWITCHES/STARTERS ARE NOT INSTALLED ON EQUIPMENT ACCESS PANELS. MAINTAIN PROPER NATIONAL ELECTRICAL CODE CLEARANCES. IN ADDITION, MAINTAIN PROPER MECHANICAL WORKING CLEARANCES FOR SERVICING OF EQUIPMENT.
22. PROVIDE STRUCTURAL STEEL FRAME SUPPORTS OR PLYWOOD BACKBOARDS TO MOUNT PANELBOARDS ON METAL. STUD WALL PARTITIONS. ANCHOR STRUCTURAL STEEL FRAME SUPPORTS OR PLYWOOD BACKBOARD TO METAL STUDS. PROVIDE STRUCTURAL STEEL FRAME SUPPORTS AT A MINIMUM OF TOP AND BOTTOM OF PANELBOARD AND SPAN A MINIMUM OF TWO VERTICAL STUDS. DO NOT ANCHOR PANELBOARDS DIRECTLY TO DRYWALL PARTITION.
23. IF APPLICABLE, FURNISH PANELBOARD WITH NUMBER OF POLES INDICATED. EACH SPACE SHALL BE A FULLY PREPARED SPACE (I.E. COMPLETE WITH PROVISIONS AND HARDWARE REQUIRED TO MOUNT A FUTURE CIRCUIT BREAKER, INCLUDING BUS CONNECTIONS, CIRCUIT BREAKER MOUNTING BRACKET, CIRCUIT BREAKER COVER AND COVER KNOCKOUTS, ETC.).
24. ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UL LISTED AND SHALL CONFORM TO FACTORY MUTUAL STANDARDS AS APPLICABLE.
25. NEW ELECTRICAL WORK INSTALLED IN FINISHED AREAS SHALL BE INSTALLED CONCEALED WITHIN NEW OR EXISTING WALLS, FLOORS OR CEILINGS. PROVIDE CUTTING AND PATCHING OF SURFACES. SURFACE RACEWAYS SHALL BE PERMITTED IN FINISHED AREAS ONLY WHERE SPECIFICALLY APPROVED IN THE FIELD BY ARCHITECT.
26. THE ENTIRE ELECTRICAL INSTALLATION, MATERIAL AND WORKSMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION, UNLESS A LONGER WARRANTY PERIOD IS REQUIRED ELSEWHERE IN CONTRACT DOCUMENTS.
27. MINIMIZE THE USE OF JUNCTION BOXES ABOVE INACCESSIBLE (I.E. GYPSUM) CEILING, WHERE JUNCTION BOXES ARE UNAVOIDABLE ABOVE SUCH CEILINGS, GROUP THEM WITH OTHER BOXES, SWITCHES, VALVES, ETC. THAT REQUIRE ACCESS, AND PROVIDE AN ACCESS HATCH IN CEILING AS APPROVED BY ARCHITECT.
28. MINIMIZE THE NUMBER AND SIZE OF ROOF PENETRATIONS, GROUPING MULTIPLE CONDUITS IN THE SAME PENETRATION WHEN POSSIBLE. WHEN APPLICABLE, COORDINATE WITH ROOFING CONTRACTOR TO PROVIDE PENETRATIONS IN ROOF WITH MINIMUM PENETRATIONS WITH A LISTED SEALING COMPOUND. PROVIDE RUBBER BOOT, FLASHING, CAULKING, AND OTHER ITEMS AS REQUIRED FOR A WEATHERTIGHT INSTALLATION. PRIOR TO PENETRATING ROOF, USE NON-DESTRUCTIVE MEANS TO LOCATE REINFORCING STEEL OR TENDONS WITHIN THE PROPOSED AREA OF PENETRATION, IF APPLICABLE. WHEN PENETRATING ROOF, DO NOT CUT, BURN OR DAMAGE EXISTING REINFORCING STEEL OR TENDONS UNLESS APPROVED BY A STRUCTURAL ENGINEER. CONDUIT ROOF PENETRATIONS SHALL BE INCLUDED IN CONTRACTOR'S GUARANTEE OF WORK.
29. UNLESS INDICATED OTHERWISE 15A AND 20A SINGLE-PHASE CIRCUITS SHALL CONSIST OF 2#12, 1#12 G C, 3/4" C.
30. REMOVE AND REINSTALL CEILING PANELS AS REQUIRED FOR ELECTRICAL WORK. REPLACE, IN-KIND, ANY CEILING PANELS DAMAGED DURING THE COURSE OF WORK.

1. DIS
DE

1. DISCONNECT AND REMOVE ITEMS SHOWN DASHED ON ELECTRICAL DEMOLITION DRAWINGS. IN ADDITION TO SPECIFIC ELECTRICAL DEMOLITION INDICATED ON ELECTRICAL DEMOLITION DRAWINGS, DISCONNECT AND REMOVE WIRING DEVICES, FIRE ALARM DEVICES, LIGHTING FIXTURES, AND COMMUNICATION OUTLETS ON WALLS, CEILINGS, MILLWORK, ETC. BEING REMOVED. WALLS TO BE REMOVED BY OTHERS ARE SHOWN DASHED ON ELECTRICAL DEMOLITION PLANS. NOTE THAT NOT ALL ELECTRICAL ITEMS TO BE REMOVED ARE INDICATED ON ELECTRICAL DEMOLITION DRAWINGS.
2. COORDINATE DEMOLITION WITH NEW WORK, AND REUSE CIRCUITS AND DEVICES AS PERMITTED ELSEWHERE IN CONTRACT DOCUMENTS.
3. FOR WIRING NOT BEING REUSED IN NEW WORK, REMOVE BACK TO SOURCE.
4. FOR CIRCUIT BREAKERS NOT BEING REUSED, TURN BREAKER OFF AND LABEL AS "SPARE".
5. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND ASSOCIATED WIRING BREAKS BRANCH CIRCUITS TO REMAIN, THE CIRCUITS' CONTINUITY SHALL BE RESTORED TO PROVIDE POWER SUPPLY TO REMAINING EQUIPMENT.
6. CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT OUTSIDE LIMITS OF CONSTRUCTION THAT IS ROUTED THROUGH AREA OF WORK SHALL REMAIN.
7. REMOVE EXISTING EXPOSED CONDUIT, OR CONDUIT THAT BECOMES EXPOSED DURING CONSTRUCTION. REMOVE WIRING AND CUT OFF CONDUIT STUBS THROUGH FLOOR FLUSH WITH FLOOR SLAB, FILL WITH CONCRETE, AND MAKE READY TO ACCEPT NEW FLOOR FINISHES WHERE APPLICABLE.
8. CONDUIT WHICH REMAINS CONCEALED WITHIN WALLS OR SLABS SHALL BE ABANDONED IN PLACE AFTER REMOVAL OF WIRING.
9. WHERE EXISTING CONDUIT STUBS THROUGH ROOF ARE NO LONGER REQUIRED, AND OCCUR IN AREAS WHERE EXISTING ROOF IS TO REMAIN, CONDUIT SHALL BE CUT OFF 6" ABOVE AND BELOW ROOF, AND FILLED WITH EXPANDABLE FOAM SEALANT. CAP CONDUIT ABOVE ROOF AND MAKE COMPLETELY WATERTIGHT.
10. WHEREVER EXISTING FLOOR MOUNTED OUTLET BOXES WILL REMAIN EXPOSED, FURNISH AND INSTALL BLANK COVERPLATES.
11. PATCH AND FINISH SURFACES DISTURBED BY DEMOLITION UNDER THIS DIVISION WITH MATERIALS TO MATCH EXISTING SURFACE.

DRAWING LIST - ELECTRICAL	
SHEET NUMBER	SHEET NAME
E-001	SYMBOLS, NOTES & ABBREVIATIONS
E-002	LOWER LEVEL FLOOR PLAN - ELECTRICAL - DEMOLITION
E-003	FIRST FLOOR PLAN - ELECTRICAL - DEMOLITION
E-004	SECOND FLOOR PLAN - ELECTRICAL - DEMOLITION
E-005	CLERESTORY FLOOR PLAN - ELECTRICAL - DEMOLITION
E-006	ROOF PLAN - ELECTRICAL - DEMOLITION
E-101	LOWER LEVEL FLOOR PLAN - ELECTRICAL
E-102	FIRST FLOOR PLAN - ELECTRICAL
E-103	SECOND FLOOR PLAN - ELECTRICAL
E-104	CLERESTORY FLOOR PLAN - ELECTRICAL
E-105	ROOF PLAN - ELECTRICAL
E-701	PANEL SCHEDULES

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SEAL

O.	DESCRIPTION	DATE
REVISIONS		

MILLERSVILLE UNIVERSITY

MI-1213 PUCILLO HVAC RENOVATION

125 PUCILLO DRIVE MILLERSVILLE, PA. 17551

SHEET TITLE

SYMBOLS, NOTES & ABBREVIATIONS

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