	1		2		3	1	4
	ABBREVIATIONS		LIGHTING		POWER		GROUNDING
(E), EX	EXISTING		2' X 2' LENSED FIXTURE. LETTER INDICATES TYPE PER FIXTURE SCHEDULE, SHADING INDICATES GENERATOR BACK-UP	T	DRY TYPE TRANSFORMER		AL
(F) (N)	FUTURE NEW		A 2' X 4' LENSED FIXTURE LETTER INDICATES TYPE PER THE	φφ	WALL MOUNTED NEMA 5-20 SIMPLEX RECEPTACLE * = MOUNTED 4' AFF	● → □ 3/4" Ø x 10' L ● → □ GROUND RC	COPPER CLAD STEEL GROUNDING ROD
(R) 1/C	RELOCATE SINGLE CONDUCTOR CABLE		A FIXTURE SCHEDULE. SHADING INDICATES GENERATOR BACK- UP		** = MOUNTED 6' AFF UON GFCI = GROUND FAULT CIRCUIT INTERRUPTING WR = WEATHER RESISTANT IN HEAVY DUTY WEATHERPROOF WHILE-		
3/C A, AMP AC AF	AMMETER, AMPERE ALTERNATING CURRENT AMP FRAME, CIRCUIT BREAKER FRAME AND TRIP DEVICE SENSOR SIZE	A O	HIGH/LOW BAY FIXTURE. LETTER INDICATES TYPE PER THE FIXTURE SCHEDULE. SHADING INDICATES GENERATOR BACK- UP		IN USE ENCLOSURE AND GFCI PROTECTION EP = EXPLOSION PROOF U = DUPLEX RECEPTACLE WITH DUPLEX USB SHADED TOP = CONTROLLED.	• EXOTHERMI • REBAR IN CO PROTECTIO	C WELD ONCRETE USED AS DOWN CONDUCTOR FOR LIGHT N
AFF AFG	(AMPS) ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	A	LENSED STRIP FIXTURE. LETTER INDICATES TYPE PER THE FIXTURE SCHEDULE, SHADING INDICATES GENERATOR BACK- UP	₽ ₱	WALL MOUNTED NEMA 5-20 DUPLEX RECEPTACLE * = MOUNTED 4' AFF	-G- GROUND RI	NG CONDUCTOR PROTECTION ROOF CONDUCTOR
AHU AIC AM ANN	AIR HANDLING UNIT AMPERE INTERRUPTING CAPACITY AMPERE METER ANNUNCIATOR	≂ <sub>A</sub> ∓	A WALL MOUNTED FIXTURE. LETTER INDICATES TYPE PER FIXTURE SCHEDULE, SHADING INDICATES GENERATOR BACK-		** = MOUNTED 6' AFF UON GFCI = GROUND FAULT CIRCUIT INTERRUPTING WR = WEATHER RESISTANT IN HEAVY DUTY WEATHERPROOF WHILE IN USE ENCLOSURE AND GFCI PROTECTION		
AT ATS	AMP TRIP, TRIP DEVICE RATING PLUG SIZE (AMPS) AUTOMATIC TRANSFER SWITCH, TRIP DEVICE LONG TIME PICKUP SETTING		PERIMETER OR COVE LIGHT AS INDICATED		EP = EXPLOSION PROOF U = DUPLEX RECEPTACLE WITH DUPLEX USB SHADED TOP = CONTROL ED		
BAS BATT	(AMPS) BUILDING AUTOMATION SYSTEM BATTERY, BATTERIES		A DOWNLIGHT/SURFACE MOUNT, LETTER INDICATES TYPE PER FIXTURE SCHEDULE, SHADING INDICATES GENERATOR BACK-UP		C = COPIER S = SHREDDER	) <u>0 AF</u> ) 0 AT	DRAWOUT CIRCUIT BREAKER
C C CAT. NO. CAT	CONDUIT, COIL CATALOG			₽₽	NEMA 5-20 QUADRUPLEX RECEPTACLE	$\downarrow$	
CEG CONT	COMMON EQUIPMENT GROUND CONTINUOUS, CONTINUED	1⊕1 x	EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED, CEILING MOUNTING.		** = MOUNTED 4 AFF ** = MOUNTED 6' AFF UON GFCI = GROUND FAULT CIRCUIT INTERRUPTING		
CPT CRAC	CONTROL POWER TRANSFORMER COMPUTER ROOM AIR CONDITIONING UNIT	↓⊖↓×	EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED, WALL MOUNTING.		WR = WEATHER RESISTANT IN HEAVY DUTY WEATHERPROOF WHILE IN USE ENCLOSURE AND GFCI PROTECTION U = QUAD RECEPTACLE WITH QUAD USB		THERMAL MAGNETIC CIRCUIT BREAKER
CRI CT CU DC	COLOR RENDERING INDEX CURRENT TRANSFORMER, CABLE TRAY COPPER, COEFFICIENT OF UTILIZATION DIRECT CURRENT	s <sup>x</sup>	20 A TOGGLE SWITCH MOUNTED 4' AFF. X = 3, 4, OR NONE 3 = 3 WAY SWITCHING FUNCTIONALITY.	Φ	SHADED TOP = CONTROLLED. FLUSH FLOOR DUPLEX RECEPTACLE ON GRADE. MODEL #OMNIBOX 1-		
DIV DS, DSW	DIVISION DISCONNECT SWITCH		4 = 4 WAY SWITCHING FUNCTIONALITY.		GANG BY LEGRAND WIREMOLD OR SIMILAR	$\exists$	CURRENT TRANSFORMER
E.T. EGC EMH	ELECTRONIC TRIP EQUIPMENT GROUNDING CONDUCTOR EXISTING MANHOLE, ELECTRICAL MANHOLE	SLVXa	LOW VOLTAGE WALL SWITCH. "X" DENOTES NUMBER OF BUTTONS (1-BUTTON IF NONE SPECIFIED). LOWER CASE LETTER DENOTES LIGHTING ZONE.	$[\Psi]\Psi$	4-GANG DEVICE WITH (2) 20A, 120V DUPLEX, (1) DATA PLATE PROVISIONS, AND (1) SPARE PROVISION. MODEL #8AT EVOLUTION BY LEGRAND WIREMOLD OR SIMILAR FOR POKE-THRU DEVICE AND MODEL #EFB45 BY LEGRAND WIREMOLD OR SIMILAR FOR FLOOR BOX	36	POTENTIAL TRANSFORMER
EMO EO	EMERGENCY MANUAL OFF ELECTRICALLY OPERATED	S					DISCONNECT SWITCH
FBO G, GND	FURNISHED BY OTHERS, FURNISHED BY OWNER GROUND	S <sub>VSD</sub>	CEILING MOUNTED VACANCY SENSOR.	$\square$	SPECIAL RECEPTACLE. PROPERTIES AS NOTED.		SWITCH
GEC GEN GECI	GROUNDING ELECTRODE CONDUCTOR GENERATOR GROUND FAULT EQUIPMENT PROTECTIVE DEVICE	PC	PHOTOCELL	↓ 	CEILING MOUNTED RECEPTACLE		
HH HP	HANDHOLE HORSEPOWER			U	ELECTRICAL JUNCTION BOX, # = DUPLEX OUTLETS SERVED		FUSED SWITCH
HVAC HZ	HEATING, VENTILATING AND AIR CONDITIONING HERTZ		- —	SM	MOTOR RATED SWITCH. 20A, SINGLE POLE UNLESS OTHERWISE NOTED.	<u> </u>	GROUND
IAW J, JB	IN ACCORDANCE WITH JUNCTION BOX				DISCONNECT SWITCH IN ENCLOSURE MOUNTED 5' AFF UON. NON-FUSED	М	METER
KA KCM, KCMII	KILO-AMPERES 1000 CIRCULAR MILS				UON. AAA/B/CCC/DDD INDICATES RATINGS FOR "VOLTAGE" / "POLES" / "AMPERAGE"/ "FUSE" (IF REQUIRED), PROVIDE 240/2/20 LION, EXAMPLE		
KV KVA	KILO-VOLTS KILO-VOLT AMPERES				600/3/100/80		
C KW LED('S)	KILOWATT LIGHT EMITTING DIODE(S)				SURFACE MOUNTED PANELBOARD OR AUTOMATIC TRANSFER SWITCH AS	SPD	SURGE PROTECTION DEVICE
LSI LSIG	LONG-TIME/SHORT-TIME/INSTANTANEOUS TRIP LONG-TIME/SHORT-TIME/INSTANTANEOUS/GROUND FAULT TRIP LONG-TIME/SHORT-TIME/INSTANTANEOUS/GROUND FAULT TRIP AND			VFD	VARIABLE FREQUENCY DRIVE (VFD)	↓ ▼	SURGE ARRESTER
LSIM	METERING LONG-TIME/SHORT-TIME/INSTANTANEOUS TRIP AND METERING				APPROXIMATE WORKING CLEARANCE. CONFORM TO NEC		TRANSFORMER
LTG MCB	LIGHTING MAIN CIRCUIT BREAKER				REQUIREMENTS. AREAS SHOWN FOR PLANNING PURPOSES ONLY.	Į į	
MH MIN MLO	MOUNTING HEIGHT, MAN HOLE MINIMUM MAIN LUGS ONLY			FF	FURNITURE FEED		AUTOMATIC TRANSFER SWITCH
MTD MTG	MOUNTED MOUNTING				EMERGENCY SHUT OFF PUSH BUTTON		
N, NEUT N.C.	NEUTRAL NORMALLY CLOSED						
N.O. N/A NEC	NORMALLY OPEN NOT APPLICABLE NATIONAL ELECTRIC CODE		DST TOP LIGHT				
NIC	NOT IN CONTRACT						
NTS	NOT TO SCALE	L-8					
NTS OFCI OFE	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED	● <b>1</b> ● L-8		REMOVE	EXTERIOR SITE	_	WIRING
NTS OFCI OFE OFOI PH PNI	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL	<b>●□</b> ● L-8			EXTERIOR SITE		
NTS OFCI OFE OFOI PH PNL QTY RCPT	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE	<b>●□</b> ● L-8		REMOVE	EXISTING       NEW         Image: High mast light         Image: Pad-mounted transformer	A #12 CONDUC CONDUC UNLESS	WIRING TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2" OTHERWISE NOTED. ARROW INDICATES HOMERUN
NTS OFCI OFE OFOI PH PNL QTY RCPT S.C. SE	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE	<b>●□</b> ● L-8		REMOVE	EXISTING NEW   HIGH MAST LIGHT   PAD-MOUNTED TRANSFORMER   S   S   PAD-MOUNTED SWITCH	A #12 CONDUC CONDUC UNLESS O "A", CIRCI	WIRING TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2" DTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12.
NTS OFCI OFE OFOI PH PNL QTY RCPT S.C. SE SPD SPDT SPST	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW	<b>●□</b> ● L-8		REMOVE	EXISTING NEW         HIGH MAST LIGHT         PAD-MOUNTED TRANSFORMER         S       S         PAD-MOUNTED SWITCH         E       M         ELECTRICAL MANHOLE         HI	A #12 CONDUC CONDUC UNLESS O "A", CIRCO FLEXIBLE	WIRING TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2" DTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12. CONDUIT CONNECTION
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NTS OFCI OFE OFOI PH PNL QTY RCPT S.C. SE SPD SPDT SPST SSS ST SWBD SWGR TBD TYP, (TYP) UH	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHGEAR TO BE DETERMINED TYPICAL UNIT HEATER	● <b>□</b> ● L-8		REMOVE → → → → → → → → → → → → →	EXISTINGNEWImage: colspan="2">HIGH MAST LIGHTImage: colspan="2">AD-MOUNTED TRANSFORMERImage: colspan="2">OAD-MOUNTED SWITCHImage: colspan="2">Image: colspan="2">Image: colspan="2">OAD-MOUNTED SWITCHImage: colspan="2">Image: colspan="2">Image: colspan="2">OAD-MOUNTED SWITCHImage: colspan="2">Image: colspan="2">Image: colspan="2">Image	A #12 CONDUC CONDUC UNLESS O "A", CIRCU FLEXIBLE SWITCHG	WIRING TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2" DTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12. CONDUIT CONNECTION  EAR / DISTRIBUTION EQU
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NTS OFCI OFE OFOI PH PNL QTY RCPT S.C. SE SPD SPDT SPST SS ST SWBD SWGR TBD TYP, (TYP) UH UL UL UNO, UON UPS V VA VFD W W W/ W/O WP X	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-BINGLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHBOARD SWITCHGEAR TO BE DETERMINED TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITHOUT WEATHERPROOF REACTANCE	● <b>■</b> L-8		REMOVE         ★         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXIERIOR SITEEXISTINGNEWHIGH MAST LIGHTImage: PAD-MOUNTED TRANSFORMERImage: PAD-MOUNTED SWITCHImage: PAD-MOUNTED	A #12 CONDUC CONDUC UNLESS O "A", CIRCU FLEXIBLE SWITCHG EXAMPLE: UDHB-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORAND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         DTHERWISE NOTED. ARROW INDICATES HOMERUNDIT 12.         CONDUIT CONNECTION         EAR / DISTRIBUTION EQUIPMENT         SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         D: BOILER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>A</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHGEAR TO BE DETERMINED TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DEI TA			REMOVE         ★         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         Image: Simple Simp	A #12 CONDUC CONDUC UNLESS O "A", CIRCU FLEXIBLE SWITCHG EXAMPLE: UDHB-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORS AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         OTHERWISE NOTED. ARROW INDICATES HOMERUNJIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> MINITY OF THE SPACE INTERTAREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         COPTIONAL) EQUIPMENT SEQUENTIAL LET         OPTIONAL) EQUIPMENT SEQUENTIAL LET         B: OPTIONAL) EQUIPMENT SEQUENTIAL LET         B: QUIPMENT         SWITCHGEAR         SWITCHGEAR         SWITCHGEAR
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE POTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHBOARD SWITCHBOARD TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITH WITH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ★         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         Image: High Mast Light         Image: PAD-MOUNTED TRANSFORMER         Image: Simple PAD-MOUNTED SWITCH         Image: ELECTRICAL MANHOLE         Image: ELECTRICAL HANDHOLE/PULLBOX AS         Image: ELECTRICAL HANDHOLE/PULLBOX AS         Image: ELECTRICAL HANDHOLE/PULLBOX AS         Image: ELECTRICAL LINE         Image	A #12 CONDUC CONDUC UNLESS O "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         OTHERWISE NOTED. ARROW INDICATES HOMERUNJIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         DI BOLLER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWGR: SWITCHGEAR         SWBD: SWITCHBOARD         DH: DISTRIBUTION BOARD (480V)         DI: DISTRIBUTION BOARD (208/120V)
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHURT TRIP SWITCHBOARD SWITCHBOARD SWITCHGEAR TO BE DETERMINED TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ★         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         →       HIGH MAST LIGHT         □       AD-MOUNTED TRANSFORMER         ⑤       PAD-MOUNTED SWITCH         ⑥       MP         □       MP         □       ELECTRICAL MANHOLE         □       HIGH MAST UNDERGROUND ELECTRICAL LINE         □       FP         □       PRIMARY UNDERGROUND         □       FS         SECONDARY UNDERGROUND         □       FX         ES       SECONDARY UNDERGROUND         □       FX         FX       FS         SKV TAXIWAY LIGHTING LINE	A #12 CONDUC CONDUC UNLESS O "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         DTHERWISE NOTED. ARROW INDICATES HOMERUN         JIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> MIRING AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         COPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWGR: SWITCHGEAR         SWED: SWITCHBOARD         DH: DISTRIBUTION BOARD (480V)         DI: DISTRIBUTION BOARD (208/120V)         POWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHBOARD TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ★         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         Image: Pad-Mounted transformer         Image: Image: Image: Pad-Mounted transformer         Image: Ima	A #12 CONDUC CONDUC UNLESS O "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A	WIRING TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2" DTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12. CONDUIT CONNECTION EAR / DISTRIBUTION EQU SERVING AREA A: PEOPLE SPACE B: INERT AREA C: ENERGETIC AREA D: BOILER BUILDING S: EXTERIOR SITE (OPTIONAL) EQUIPMENT SEQUENTIAL LET A,B,C EQUIPMENT SWGR: SWITCHGEAR SWBD: SWITCHBOARD DH: DISTRIBUTION BOARD (480V) DL: DISTRIBUTION BOARD (208/120V) OWER TYPE PREFIX (BLANK): UTILITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER U: UPS POWER
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PAREL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DUBLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHGEAR TO BE DETERMINED TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNITERUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VALTAMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITH WITH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ★         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         Image: High Mast Light         Image: Pad-Mounted transformer         Image: Signed transformer         Image: Signer	A #12 CONDUC CONDUC UNLESS O "A", CIRCU FLEXIBLE EXAMPLE: UDHB-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         DTHERWISE NOTED. ARROW INDICATES HOMERUNDIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> MIRIT AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         DI BOILER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWGR: SWITCHGEAR         SWGR: SWITCHGEAR         SWGR: SWITCHBOARD         DH: DISTRIBUTION BOARD (208/120V)         DISTRIBUTION BOARD (208/120V)         DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER         E: EMERGENCY (GENERATOR) POWER         U: UPS POWER
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE POTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHBOARD TO BE DETERMINED TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNITERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITHOUT WEATHERRROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         IGH MAST LIGHT       IGH MAST LIGHT         IG       PAD-MOUNTED TRANSFORMER         IG       PAD-MOUNTED SWITCH         IGH       IGH CTRICAL MANHOLE         IGH       IGH CTRICAL HANDHOLE/PULLBOX AS         IGH       IGH CTRICAL LINE         IGH       IGH CTRICAL LINE         IGH       IGH CTRICAL LINE         IGH CTRICAL LINE       IGH CTRICAL LINE	A #12 CONDUC CONDUC UNLESS O "A", CIRCH FLEXIBLE EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORS AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         DTHERWISE NOTED. ARROW INDICATES HOMERUNDUIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> MILLION <b>EAR / DISTRIBUTION EQU</b> MILLION <b>EAR / DISTRIBUTION EQU</b> MILLION         SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         CENEGETIC AREA         DIE DUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWGR: SWITCHGEAR         SWBD: SWITCHBOARD         DH: DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER         E: EMERGENCY (GENERATOR) POWER         LECCTRICAL EQUIPMENT
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHGEAR TO BE DETERMINED TYPICAL UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNITIFRRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE → S S F ++/E'/++ +/-/E'/++	EXISTING       NEW         IGH MAST LIGHT         IG       PAD-MOUNTED TRANSFORMER         IG       PAD-MOUNTED SWITCH         IG       Mae         IGH MAST LIGHT       IGH MAST LIGHT         IG       PAD-MOUNTED SWITCH         IGH       Mae         IGH MAST UNDERGROUND LECTRICAL LINE         IGH       IGH CATED         IGH       PIMARY UNDERGROUND ELECTRICAL LINE         IGH CATED       IGH CATED         IGH CATED       IGH CA	A #12 CONDUC CONDUC UNLESS O "A", CIRCH FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: UDHB-A EXAMPLE: EH1A-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         OTHERWISE NOTED. ARROW INDICATES HOMERUNULT         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         DOULER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWBC: SWITCHGEAR         SWBD: SWITCHBOARD         DH: DISTRIBUTION BOARD (480V)         DI: DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER       E: EMERGENCY (GENERATOR) POWER         ELECTRICAL EQUIPMENT
<ul> <li>NTS</li> <li>OFCI</li> <li>OFFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-SINGLE THROW SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHBOARD TYPICAL UNIT HEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT. VOLTS, VOLTMETER VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         Image:	A #12 CONDUC CONDUC UNLESS O "A", CIRCH FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: HIA-A EXAMPLE: EH1A-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         DTHERWISE NOTED. ARROW INDICATES HOMERUNJIT 12.         CONDUIT CONNECTION         EAR / DISTRIBUTION EQU         SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         D: BOILER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWGR: SWITCHBOARD         DH: DISTRIBUTION BOARD (480V)         DL: DISTRIBUTION BOARD (208/120V)         D: WISTRIBUTION BOARD (208/120V)         D: DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER         E: EMERGENCY (GENERATOR) POWER         U: UPS POWER
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOTTO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-DOUBLE THROW STAINLESS STEEL SHUNT TRIP SWITCHBOARD SWITCHBOARD UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         Image:	A #12 CONDUC CONDUC CONDUC UNLESS O "A", CIRCH FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: EH1A-A E, H, 1, A, A, EXAMPLE: EH1A-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2" DTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12.         CONDUIT CONNECTION <b>EERVING AREA</b> A: PEOPLE SPACE B: INERT AREA C: ENERGETIC AREA D: BOILER BUILDING S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET A,B,C         EQUIPMENT SWGR: SWITCHGEAR SWBD: SWITCHGEAR SWBD: SWITCHBOARD DH: DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX (BLANK): UTILITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER U: UPS POWER <b>ELECTRICAL EQUIPMENT</b> AREA A: MAIN ELECTRIC ROOM B: INERT ELECTRICAL ROOM C: ENERGETIC ELECTRICAL ROOM
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOTTO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW SINGLE POLE-SINGLE THROW SINGLE POLE-SINGLE THROW SINGLE POLE-SINGLE THROW SINGLE POLE-SURGLE THROW OVER SURGEROTERINED TYPICAL UNIT TRIP SWITCHBOARD TO BE DETERMINED TYPICAL UNITHEATER UNDERWRITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ▲         ▲         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING       NEW         IGH       HIGH MAST LIGHT         IG       PAD-MOUNTED TRANSFORMER         IG       PAD-MOUNTED SWITCH         IGH       IECTRICAL MANHOLE         IGH       IECTRICAL MANHOLE         IGH       IECTRICAL INNEHOLE/PULLBOX AS         IGH       IECTRICAL LINE         IG       SECONDARY UNDERGROUND ELECTRICAL LINE         IGK       SECONDARY UNDERGROUND         IGK       SIGK         IGK       SECONDARY UNDERGROUND         IGK       SIGK         IGK       SIGK<	A #12 CONDUC CONDUC UNLESS "A", CIRCI FLEXIBLE FLEXIBLE EXAMPLE: UDHB-A U, DH, B, - A U, DH, B, - A EXAMPLE: EH1A-A EXAMPLE: EH1A-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         OTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> SERVING AREA A: PEOPLE SPACE B: INERT AREA C: ENERGETIC AREA D: BOILER BUILDING S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET A,B,C         EQUIPMENT SWGR: SWITCHBEAR SWBD: SWITCHBEAR SWBD: SWITCHBEAR DH: DISTRIBUTION BOARD (480V) DL: DISTRIBUTION BOARD (208/120V)         POWER TYPE PREFIX (BLANK): UTILITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER U: UPS POWER <b>ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT</b> SURF TELECTRICAL ROOM C: ENERGETIC ELECTRICAL ROOM
<ul> <li>NTS</li> <li>OFCI</li> <li>OFFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>Δ</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PAREL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE POTECTIVE DEVICE SINGLE POLE-DOUBLE THROW SINGLE POLE-SINGLE THROW SINGLE POLES SINGLE SITEL SHUNT TRIP SWITCHGOARD UNIT FREPT UNDERWRITERS: LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNINTERRUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE REQUENCY DRIVE WATT(S), WIRE, WIDTH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE	EXTERIOR SITE         Image: Site of the state of the	A #12 CONDUC CONDUC UNLESS O "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: EH1A-A EXAMPLE: EH1A-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORS IN CONDUIT. 2000         DTHERWISE NOTED. ARROW INDICATES HOMERUNDIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         CENTERIE SPACE         B: INERT AREA         CENTERIC AREA         DISTERIE SPACE         CEQUIPMENT         SWGR: SWITCHBOARD         DHER SWITCHBOARD         DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER         E: EMERGENCY (GENERATOR) POWER         CENTRICAL
NTS OFCI OFCI OFE OFOI PH PNL QTY RCPT S.C. SE SPD SPDT SPST SSS ST SWBD SWGR TBD TYP, (TYP) UH UL UNO, UON UPS V VA VFD W W/W/ W/O WP X XSFMR Y Δ	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUNT TRIP STAINLESS STEEL SHUNT TRIP SWITCHGEAR TO BE DETERMINED TYPICAL UNDERWRITERS' LABORATORIES UNDESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNISTERNUPTIBLE POWER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE FREQUENCY DRIVE WATT(S), WIEL, WIDTH WITH WITHOUT WEATHERPROOF REACTANCE TRANSFORMER WYE-CONNECTED DELTA			REMOVE         ▲         ▲         ▲         ▲         ▲         ↓	EXISTING NEW   IGH MAST LIGHT   IG AD-MOUNTED TRANSFORMER   IG IG   IGH IG   IGH IECTRICAL MANHOLE   IGH IECTRICAL HANDHOLE/PULLBOX AS   IGH IECTRICAL LANDHOLE/PULLBOX AS   IGH IECTRICAL LINE   IGH IGH   IGH IECTRICAL LINE   IGH IGH   IGH </td <td>A #12 CONDUC CONDUC UNLESS O "A", CIRCH FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: EH1A-A EXAMPLE: EH1A-A</td> <td>WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORAND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         OTHERWISE NOTED. ARROW INDICATES HOMERUNJIT12.         CONDUIT CONNECTION         <b>EAR / DISTRIBUTION EQU</b>         MIRING AREA         A: PEOPLE SPACE         BINERT AREA         C. ENERGETIC AREA         DOLER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A.B.C         EQUIPMENT         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHBOARD         DH: DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER         E EMERGENCY (GENERATOR) POWER         LEVER ELECTRICAL EQUIPMENT         EQUIPMENT SEQUENTIAL LETTER         A.B.C         TELECTRICAL RO</td>	A #12 CONDUC CONDUC UNLESS O "A", CIRCH FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: EH1A-A EXAMPLE: EH1A-A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORAND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         OTHERWISE NOTED. ARROW INDICATES HOMERUNJIT12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> MIRING AREA         A: PEOPLE SPACE         BINERT AREA         C. ENERGETIC AREA         DOLER BUILDING         S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A.B.C         EQUIPMENT         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHGEAR         SWBE: SWITCHBOARD         DH: DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX         (BLANK): UTILITY (NORMAL) POWER         E EMERGENCY (GENERATOR) POWER         LEVER ELECTRICAL EQUIPMENT         EQUIPMENT SEQUENTIAL LETTER         A.B.C         TELECTRICAL RO
<ul> <li>NTS</li> <li>OFCI</li> <li>OFE</li> <li>OFOI</li> <li>PH</li> <li>PNL</li> <li>QTY</li> <li>RCPT</li> <li>S.C.</li> <li>SE</li> <li>SPD</li> <li>SPDT</li> <li>SPST</li> <li>SS</li> <li>ST</li> <li>SWBD</li> <li>SWGR</li> <li>TBD</li> <li>TYP, (TYP)</li> <li>UH</li> <li>UL</li> <li>UNO, UON</li> <li>UPS</li> <li>V</li> <li>VA</li> <li>VFD</li> <li>W</li> <li>W/O</li> <li>WP</li> <li>X</li> <li>XFMR</li> <li>Y</li> <li>A</li> </ul>	NOT TO SCALE OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PANEL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE PROTECTIVE DEVICE SINGLE POLE-SINGLE THROW STAINLESS STEEL SHUIT TRIP SWITCHBOARD SWITCHGAR TO BE DETERMINED TYPICAL UNDERWITERS' LABORATORIES UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNDERWITERS' LABORATORIES UNLESS NOTED OTHER SUPPLY VOLT, VOLTS, VOLTMETER VOLT-AMPERE VARIABLE REQ VARIABLE REQUENCY DRIVE WATT(S), WIRE, WIDTH WITH WITH WITH WITHOUT WEATHERPROOF REACTANCE TANNSFORMER WYE-CONNECTED DELTA			REMOVE         ▲         ▲         ▲         ▲         ▲         ↓	EXTERIOR SITE         EXISTING       NEW       HIGH MAST LIGHT         Image: Colspan="2">AD-MOUNTED SWITCH         Image: Colspan="2">Colspan="2"Colspan="2	A #12 CONDUC CONDUC UNLESS O "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, EXAMPLE: EH1A-A E, H, 1, A- A, I, A- A,	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TORAND 1#12 GREEN EQUIPMENT GROUND IN 1/2"         TOTHERWISE NOTED. ARROW INDICATES HOMERUN         JIT 12.         CONDUIT CONNECTION         EAR / DISTRIBUTION EQU         SERVING AREA         A: PEOPLE SPACE         B: INERT AREA         C: ENERGETIC AREA         DISOLER BUILDING         SEXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET         A,B,C         EQUIPMENT         SWITCHBOARD         DH: DISTRIBUTION BOARD (480V)         DI: DISTRIBUTION BOARD (208/120V)         DOWER TYPE PREFIX         (BLECTRICAL EQUIPMENT         ELECTRICAL EQUIPMENT         EQUIPMENT SEQUENTIAL LETTER         AREA         A: MAIN ELECTRIC ROOM         B: INERT ELECTRICAL ROOM         C: ENERGETIC ELECTRICAL ROOM         COULT FLOOR         E: ENERGENCY (GENERATOR) POWER         E: ENERGENCY (GENERATOR) <t< td=""></t<>
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A	Not To Scale OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PAREL QUANITV RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURGE POTECTIVE DEVICE SINGLE POLE-SINGLE THROW STAINLESS STEEL SHORT TRIP SWITCHEOARD SWITCHEOARD UNIT HEATER UNDERWRITERS' LABORATORIES UNITERRUTHES' LABORATORIES UNITERRUTHES' LABORATORIES UNITERRUTHES' LABORATORIES VOLT, VOLT, VO			REMOVE         ↓	EXISTING       NEW         Image: Pad-MOUNTED TRANSFORMER         Image: Pad-MOUNTED SWITCH         Image: Pad-MOUNTED SWITCH </td <td>A #12       CONDUC         UNLESS       "A", CIRCI         SWITCHG       EXAMPLE: UDHB-A         U, DH, B, - A,       U, DH, B, - A,         EXAMPLE: UDHB-A       EXAMPLE: EH1A-A         EXAMPLE: EH1A-A       E, H, 1, A, - A,         U, DH, E, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,</td> <td>WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOTHERWISE NOTED. ARROW INDICATES HOMERUN UT 12.         CONDUIT CONNECTION         EAR / DISTRIBUTION EQUID         SERVING AREA A: PEOPLE SPACE B: INERT AREA C: ENERGETIC AREA D: BOILER BUILDING S: EXTERIOR SITE         (OPTIONAL) EQUIPMENT SEQUENTIAL LET A,B,C         SWGR: SWITCHBOARD DH: DISTRIBUTION BOARD (480V) DL: DISTRIBUTION BOARD (208/120V)         POWER TYPE PREFIX (BLANK): UTILITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER U: UPS POWER         ELECTRICAL EQUIPMENT         SUICE SUICE SUICE SUICE SUICE SUICE ELECTRICAL EQUIPMENT         ELECTRICAL EQUIPMENT         ELECTRICAL EQUIPMENT         ELECTRICAL EQUIPMENT         ELECTRICAL EQUIPMENT         ELECTRICAL EQUIPMENT         EQUIPMENT SEQUENTIAL LETTER A,B,C T: TECOM         E ENCERT ELECTRICAL ROOM D: SEXTERIOR SITE         EQUIPMENT SEQUENTIAL LETTER A,B,C T: TECOM         LEVEL         1: GROUND FLOOR 2: MEZZANINE         EQUIPMENT TYPE H: 480V PANEL T: TRANSFORMER         TYPE PREFIX (BLANK): UTILITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER E: EMERGENCY (GENERATOR) POWER</td>	A #12       CONDUC         UNLESS       "A", CIRCI         SWITCHG       EXAMPLE: UDHB-A         U, DH, B, - A,       U, DH, B, - A,         EXAMPLE: UDHB-A       EXAMPLE: EH1A-A         EXAMPLE: EH1A-A       E, H, 1, A, - A,         U, DH, E, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,         U, DH, B, - A,       U, DH, B, - A,	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12         TOTHERWISE NOTED. ARROW INDICATES HOMERUN UT 12.         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A NTS OFCI OFOI PH PNL QTY RCPT S.C. SE SPDT SPST SS ST SWBD SWGR TBD TYP, (TYP) UH UL UL UNO, UON UPS V VA VFD W W/W/ W/O WP X XFMR Y A A	Not To Scale OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PAREL QUANITY RECEPTACLE SHORT CRCUIT SERVICE ENTRANCE SURGE POLE-SUNGLE THROW SINGLE POLE-SUNGLE THROW SUNTCHBOARD SWITCHBOAR			REMOVE         ↓	EXTERIOR SITE         Image: Site in the image in the image.         Image: the image in the image.       Image in the image.         Image: the image in the ima	A #12 CONDUC CONDUC UNLESS "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A U DH, B, - A U DH, B, - A EXAMPLE: EH1A-A E, H, 1, A, - A U DH, B, - A	WIRING         TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2' DTHERWISE NOTED. ARROW INDICATES HOMERUN JIT 12.         CONDUIT CONNECTION <b>EAR / DISTRIBUTION EQU</b> SERVING AREA A: PEOPLE SPACE B: INERT AREA C: ENERGETIC AREA D: BOILER BUILDING S: EXTENOR SITE         CONDUIT CONNECTION         OUTED AND EQUIPMENT SEQUENTIAL LET A.B.C         COUPMENT SWGR: SWITCHGEAR SWBD: SWITCHGEAR SWBD: SWITCHGEAR SWBD: SWITCHGEAR SWBD: SWITCHGEAR DH: DISTRIBUTION BOARD (480Y) DI: DISTRIBUTION BOARD (480Y) DI: DISTRIBUTION BOARD (208/120Y)         POWER TYPE PREFIX (BLANK): UTLITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER U: UPS POWER <b>ELECTRICAL EQUIPMENT</b> SWITCHGOARD DH: DISTRIBUTION BOARD (480Y) DI: DISTRIBUTION BOARD (208/120Y)         POWER TYPE PREFIX (BLANK): UTLITY (NORMAL) POWER E: EMERGENCY (GENERATOR) POWER U: UPS POWER <b>ELECTRICAL EQUIPMENT EQUIPMENT</b> SEQUENTIAL LETTER A.B.C T: TELECOM         LEVEL         LEQUIPMENT SEQUENTIAL LETTER A.B.C T: TELECOM         LEVEL         LEVEL         COUPMENT TYPE H: 480V PANEL L: 208/120V PANEL L: 208/
A   NTS   OFCI   OFE   OFOI   PH   PNL   QTY   RCPT   S.C.   SE   SPD   SPST   SS   ST   SWGR   TBD   TYP, (TYP)   UH   UL   UNO, UON   UPS   V   VA   VFD   W   W/   W/O   WP   X   XFMR   Y   A	Not To Scale OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED PHASE PAREL QUANITY RECEPTACLE SHORT CIRCUIT SERVICE ENTRANCE SURCE POLE-OUBLE THROW SINCLE POLE-OUBLE THROW SINCLE POLE-OUBLE THROW STAILESS STEEL SHURT THE SWITCHBOARD SWITCHBOARD SWITCHBOARD UNT HATTER UNDERWRITENS' LABORATORIES UNTER DO THERWISE, UNLESS OTHERISE NOTED UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED UNLESS NOTEO TO THERWISE, UNLESS OTHERISE NOTED UNTIGT, VOLTATER VOLT-AMPERE VOLT-AMPERE VOLT-AMPERE VOLT-AMPERE WARABLE RERQUENCY DRIVE WATHS, WIRE, WIDTH WITHOUT WEATHERPROOF REACTANCE TRANSPORMER WYE CONNECTED DELTA			REMOVE	FXSTING       NEW         Image: Status       High MAST LIGHT         Image: Status       Status         Image: Status       PAD-MOUNTED SWITCH         Image: Status       Status	A #12 CONDUC UNLESS "A", CIRCI FLEXIBLE SWITCHG EXAMPLE: UDHB-A U, DH, B, - A, U, DH, B, - A, E, H, 1, A- A E, H, 1, A- A	WIRING TORS IN CONDUIT. 1#12 PHASE CONDUCTOR, 1#12 TOR AND 1#12 GREEN EQUIPMENT GROUND IN 1/2' TOTHERWISE NOTED. ARROW INDICATES HOMERUN JI 12. CONDUIT CONNECTION EAR / DISTRIBUTION EQU CONDUIT CONNECTION EAR / DISTRIBUTION EQU CONDUIT CONNECTION EAR / DISTRIBUTION EQUIPMENT SEQUENTIAL LET A.B.C EQUIPMENT SWGR: SWITCHGEAR SWBD: SWBD: SWITCHGEAR SWBD:

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5	GENERAL NOTES	
G ROD	A. THE PURPOSE OF THESE ENGINEERING DRAWINGS IS TO CONVEY, GRAPHICALLY, THE IDEAS, INTENT, AND INFORMATION NECESSARY; THE ENGINEERING DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL DETAILS AND COMPONENTS. COMPLY WITH CONTRACT DOCUMENTS, CONFIRMING AND CORRELATING QUANTITIES AND DIMENSIONS, SELECTING FABRICATION AND INSTALLATION PROCESSES AND TECHNIQUES, COORDINATION OF WORK AMONGST OTHER	A.   
CTOR FOR LIGHTNING	WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL STEEL, OR OTHER SYSTEMS.	
	B. PERFORM ELECTRICAL INSTALLATION WORK IN ACCORDANCE WITH THE LATEST NFPA 70, APPLICABLE AEROJET ROCKETDYNE AND CAMPUS STANDARDS, AND THE LATEST EDITION OF GOVERNING LOCAL CODES, LAWS AND REGULATIONS.	
RAM	C. COORDINATE CONSTRUCTION SCHEDULE, OPERATIONS AND UTILITY INTERUPTIONS WITH THE AEROJET ROCKETDYNE FACILITIES DEPARTMENT AND BUILDING OWNER TO AVOID ANY NEGATIVE EFFECTS ON THE OWNER'S PRODUCTION SCHEDULE. AN AEROJET ROCKETDYNE WORK PERMIT AND SAFETY REVIEW WILL BE REQUIRED. TO CARRY OUT WORK OF THIS CONTRACT OUTSIDE REGULAR WORKING HOURS, ON SATURDAYS OR SUNDAYS AND/OR ON OBSERVED HOLIDAYS, THE CONTRACTOR SHALL SUBMIT A REQUEST TO THE AEROJET ROCKETDYNE PROJECT MANAGER OR REPRESENTATIVE AND SHALL ALLOW	C
R	AMPLE TIME (48 HRS.) FOR SAFETY BRIEFS, WORK PERMITS, COORDINATION WITH BUILDING PRODUCTION SCHEDULE AND CONTRACTOR COORDINATOR SUPERVISION.	E. [
	D. LEGEND SYMBOLS ARE APPLICABLE GENERALLY. FOR ADDITIONAL REQUIREMENTS REFER TO THE SCHEDULES, DRAWINGS AND SPECIFICATIONS.	F.
	E. INSTALL ALL WIRING IN CONDUIT. RMC WILL BE USED WHERE SUBJECT TO PHYSICAL DAMAGE THROUGHOUT. ELSEWHERE INSIDE THE BUILDING UTILIZE EMT AS ALLOWED BY NEC.	
Γ BREAKER	F. PRIOR TO SCHEDULING ANY OUTAGE FOR PURPOSES OF COMPLETING CABLE SPLICES OR TERMINATIONS, THE CABLE INSTALLER SHALL COMPLETE, IN THE PRESENCE OF THE OWNERS AND REPRESENTATIVE, THE PREPARATION OF A SAMPLE CABLE THAT IS SUITABLE FOR INSTALLATION OF A SPLICE OR TERMINATION KIT.	
	G. PROVIDE CONDUIT BODY DRAIN SEAL FITTINGS, LOCATED ON THE WARM AREA SIDE IN CONDUITS THAT ENTER COLD AREAS FROM WARM AREAS. INSTALL DRAIN AND BREATHER FITTINGS SUCH THAT CONDUITS CAN BE DRAINED TO PREVENT THE ACCUMULATION OF WATER ABOVE THE SEAL. PROVIDE EXPANSION FITTINGS WHERE CONDUITS CROSS BUILDING EXPANSION JOINTS.	
	H. LOCATIONS SHOWN FOR NEW EQUIPMENT AND WIRING ARE APPROXIMATE. VERIFY LOCATIONS AND SIZES OF NEW WORK BEFORE PURCHASING OR FABRICATING NEW WORK. FOR NEW WORK, PROVIDE ADDITIONAL HORIZONTAL OR VERTICAL ELBOWS, DROPS, RISES, OFFSETS, SUPPORTS, ACCESSORIES, AND REROUTING REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE EXACT ROUTING OF WORK AND EQUIPMENT INSTALLATION WITH OTHER TRADES AND FIELD CONDITIONS.	
	I. INVERT ELEVATIONS SHOWN ARE APPROXIMATE; COORDINATE SITE ELECTRICAL WORK WITH UTILITIES AND WORK INDICATED ON CIVIL PLANS AND/OR LANDSCAPING PLANS. COORDINATE THE EXACT LOCATION OF NEW WORK WITH	
	NEW AND EXISTING UNDERGROUND UTILITIES FOR BEST LOCATION. VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING EXCAVATION. INCREASE UNDERGROUND CONDUIT AND DUCTBANK DEPTHS BELOW GRADE TO EXCEED MINIMUM DEPTHS INDICATED ON DUCTBANK DETAILS WHERE REQUIRED TO COORDINATE WITH NEW AND EXISTING UTILITIES AND TO MEET SPECIFICATION REQUIREMENTS. COORDINATE THE INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS AND DUCTBANKS WITH UNDERGROUND	
	J. NOT ALL GROUNDING CONNECTION ARE SHOWN ON PLANS; REFER TO SPECIFICATIONS FOR ADDITIONAL CONNECTION REQUIREMENTS. SECURELY AND ELECTRICALLY BOND NON-CURRENT CARRYING METALLIC PARTS OF STRUCTURES, ELECTRICAL EQUIPMENT AND RACEWAYS TO THE GROUNDING	
	K. MAINTAIN SEPARATION OF EMERGENCY CIRCUIT WIRING FROM NORMAL CIRCUIT WIRING AND STANDBY CIRCUIT WIRING, IN ACCORDANCE WITH NATIONAL	
	ELECTRICAL CODE. L. COORDINATE THE LOCATIONS AND MOUNTING HEIGHTS OF LIGHTING FIXTURES IN PROCESS OR MANUFACTURING AREAS, MECHANICAL, ELECTRICAL ROOMS WITH	
СН	<ul> <li>THE FINAL LOCATIONS OF PIPES, DUCTS AND OTHER EQUIPMENT FOR BEST ARRANGEMENT. FIXTURES SHALL BE EASILY ACCESSIBLE FOR REPLACEMENT.</li> <li>M. RECESSED ELECTRICAL BOXES SHALL NOT BE MOUNTED BACK TO BACK IN WALLS. PROVIDE 12" MINIMUM SEPARATION IN NON-RATED PARTITIONS AND 24" MINIMUM SEPARATION IN FIRE RATED PARTITIONS AS IDENTIFIED ON ARCHITECTURAL</li> </ul>	
	DRAWINGS. N. EQUIPMENT PROVIDED UNDER DIVISIONS OTHER THAN DIVISIONS 26 AND 27 ARE	
	<ul> <li>O. COORDINATE EQUIPMENT PROVISIONS FOR CONDUCTOR TERMINATION WITH THE</li> </ul>	
	P. PENETRATIONS THRU FIRE RATED FLOORS OR FIRE RATED WALLS SHALL BE	
NDUCTOR, 1#12 GROUNDED GROUND IN 1/2" CONDUIT	SEALED TO MAINTAIN THE FLOORS' AND WALLS' FIRE RATING INTEGRITY WITH UL LISTED PENETRATION FIRESTOP ASSEMBLIES. Q. COORDINATE WORK THAT PENETRATES PRECAST CONCRETE CONSTRUCTION	
ATES HOMERUN TO PANEL	AND PROVIDE PRECAST OPENINGS, BOXES, CAST ANCHORS, AND RACEWAYS FROM THE PRECAST MANUFACTURER THAT ARE COORDINATED WITH THE ELECTRICAL WORK, PRECAST CONSTRUCTION AND WORK OF OTHER TRADES. SUBMIT SHOP DRAWING SUBMITTALS INDICATING PROPOSED CONDUIT/BOX ASSEMBLIES TO BE INTEGRATED INTO PRECAST CONCRETE PANELS.	
	R. CONDUITS AND WIRING IN FINISHED SPACES SHALL BE CONCEALED WITHIN PARTITIONS AND ABOVE CEILINGS UNLESS SPECIFIED OR INDICATED OTHERWISE. FOR RACEWAYS, BOXES, AND RELATED WIRING WORK LOCATED ABOVE SUSPENDED CEILINGS. PROVIDE AN INDEPENDENT MEANS OF SECURE SUPPORT	
ON EQUIPMENT	IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, SEPARATE FROM CEILING SUPPORT SYSTEM. SUPPORT SINGLE CONDUITS AND BOXES WITH DROP WIRES OR THREADED RODS. SUPPORT MULTIPLE CONDUITS WITH STEEL STRUT TRAPEZE AND THREADED RODS. PROVIDE SEISMIC BRACING WHERE REQUIRED IN ACCORDANCE WITH APPLICABLE CODES. CONSTRUCT TRAPEZE AND BRACING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	
	S. PULL BOXES AND JUNCTION BOXES SHALL HAVE DIMENSIONS AND CAPACITIES NO LESS THAN NATIONAL ELECTRICAL CODE REQUIREMENTS, AND SHALL BE ENLARGED WHERE NECESSARY TO ACCOMMODATE THE CONDUCTORS, CABLES, AND RACEWAYS REQUIRED. CONDUIT BENDS SHALL HAVE A RADIUS NO LESS THAN 10 TIMES CONDUIT DIAMETER, OR 125% OF MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTORS/CABLES CONTAINED IN CONDUIT,	
SEQUENTIAL LETTER	<ul> <li>T. PROPERLY SUPPORT AND ANCHOR ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS. ANCHOR FLOOR MOUNTED EQUIPMENT TO FLOOR. MOUNT EQUIPMENT DESIGNED FOR WALL MOUNTING TO WALL OR STEEL STRUT SUPPORT ASSEMBLY, SUITABLE FOR THE EQUIPMENT TO BE SUPPORTED. REINFORCE WALLS AND STEEL STRUT WHERE REQUIRED FOR THE EQUIPMENT PROVIDED. PROVIDE SEISMIC BRACING IN</li> </ul>	
0 (480V) (208/120V)	ACCORDANCE WITH APPLICABLE CODES. U. WHERE REQUIREMENTS FOR WORK VARY BETWEEN DRAWINGS, SPECIFICATIONS, APPLICABLE CODES, REFERENCED STANDARDS, AND FOUNDMENT MANULEACTURED	
L) POWER TOR) POWER	INSTRUCTIONS/RECOMMENDATIONS, WORK SHALL CONFORM TO THE MOST STRINGENT REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.	
	V.       PROVIDE LOCAL SAFETY/DISCONNECT SWITCHES WHERE NOT FURNISHED WITH         EQUIPMENT BUT REQUIRED BY NATIONAL ELECTRICAL CODE.         W.       PROVIDE EQUIPMENT GROUND CONDUCTORS IN RACEWAYS, SIZED PER NATIONAL	
PMENT	ELECTRICAL CODE UNLESS LARGER CONDUCTORS SPECIFIED OR INDICATED — OTHERWISE.	
AL ROOM		
LETTER		
L) POWER TOR) POWER		

## FEEDER/BRANCH CIRCUIT WIRING

PROVIDE UNGROUNDED (PHASE) CONDUCTORS FOR CIRCUITS INDICATED IN THE PANELBOARD SCHEDULE CIRCUIT SIZE COLUMN.

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- PROVIDE DEDICATED NON-SHARED GROUNDED (NEUTRAL) CONDUCTORS FOR CIRCUITS INDICATED IN THE PANELBOARD SCHEDULE CIRCUIT SIZE COLUMN. UNGROUNDED (NEUTRAL) CONDUCTORS SHALL NOT BE SHARED UNLESS SPECIFICALLY DENOTED BY AN 'SN' IN THE PANELBOARD SCHEDULE CIRCUIT BREAKER ACCESSORY COLUMN. PROVIDE A SINGLE SHARED GROUNDED (NEUTRAL) CONDUCTOR OF THE SIZE INDICATED IN THE PANELBOARD SCHEDULE ÌN EACH RÁCEWAY. A SINGLE SHARED GROUNDED (NEUTRAL) CONDUCTOR SHALL BE SHARED BY NO MORE THAN 3 CIRCUITS ON A MULTI-POLE OCPD THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE BRANCH CIRCUIT ORIGINATION POINT.
- A GROUNDED (NEUTRAL) CONDUCTOR IS INCLUDED IN THE CIRCUIT CONDUCTOR QUANTITIES IN THE PANELBOARD SCHEDULE CIRCUIT SIZE COLUMN WHERE THE CIRCUIT CONDUCTOR QUANTITIES EXCEED THE NUMBER OF OCPD POLES FOR THE CIRCUIT.
- PROVIDE A DEDICATED EQUIPMENT GROUNDING (G) CONDUCTOR IN EACH RACEWAY AND BOND TO EQUIPMENT / RACEWAYS AS SPECIFIED AND WHERE DENOTED BY A 'G' SUFFIX IN THE PANELBOARD SCHEDULE CIRCUIT SIZE COLUMN.
- PROVIDE A DEDICATED ISOLATED EQUIPMENT GROUNDING (IG) CONDUCTOR SIZE IN EACH RACEWAY WHERE DENOTED BY A 'IG' SUFFIX IN THE PANELBOARD SCHEDULE CIRCUIT SIZE COLUMN.
- PROVIDE SWITCH LEG CONDUCTORS OF THE SAME SIZE AS THE UNGROUNDED (PHASE) CONDUCTORS IN THE QUANTITIES REQUIRED TO PROVIDE THE SWITCHING FUNCTIONS INDICATED. SWITCH LEGS CONTROL THE CIRCUITS INDICATED AT THE POINT OF CONNECTION TO THE HOME RUN CIRCUIT DESIGNATION.

