# 911 Public Safety Blvd Dover, DE 19901 COVERSHEET

# **KENT COUNTY PUBLIC SAFETY** 911 PUBLIC SAFETY BUILDING GENERATOR REPLACEMENT

### PROJECT:24P341

ENGINEERING | DESIGN | CONSULTING www.dedc-eng.com

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	DRAWING LIST
CS-01	COVERSHEET
E-001	ELECTRICAL LEGENDS, NOTES AND ABBREVIATIONS
ED-201	ELECTRICAL DEMOLITION SITE AND ENLARGED ELECTRICAL ROOM PLANS
E-201	ELECTRICAL NEW WORK SITE AND ENLARGED ELECTRICAL PLANS
E-601	ELECTRICAL DEMOLITION AND NEW WORK SINGLE LINE DIAGRAMS
E-602	ELECTRICAL UNDERGROUND UTILITIES TRACING SKETCH

03.31.2025 - ISSUED FOR PERMIT/CONSTRUCTION



SYMBOL		SYMBOL	DESCRIPTION	<u>SYMBOL</u>	DESCRIPTION	SYMBOL	DESCRIPTION
\$	20A, 120-277V AC, SINGLE POLE TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX.		3 BUTTON OVERHEAD DOOR CONTROLLER 20A 120V AC NEMA 5-20R DUPLEX RECEPTACLE SINGLE		BUS DUCT WITH PLUG IN DISCONNECT (FUSED)	ES	ELECTRIC STRIKE, (AS PROVIDED BY SECUR CONTRACTOR) JUNCTION BOX AT DOOR ST
\$	20A, 120-277V AC, THREE WAY TOGGLE SWITCH. MH = 48" A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX.	-0 -	GANG BOX, TILE RING (DEPTH AS REQUIRED), COVERPLATE, MOUNTING HEIGHT TO CENTER OF DEVICE	R	RELAY ENCLOSED CIRCUIT BREAKER	ML	LOCATION. MAGNETIC LOCK
<b>♦</b> <b>4</b>	20A, 120-277V AC, FOUR WAY TOGGLE SWITCH. MH = 48"		= 18" AFF TO CENTER OF DEVICE BOX, U.O.N., X" =	Ŷ	PRESSURE SWITCH	⊢æ	COMBINATION LOCK
0	A.F.F. AS MEASURED TO BOTTOM OF DEVICE BOX. 20A. 120V-277V AC. LINE VOLTAGE DIMMING WALL SWITCH		(COORDINATE WITH MILLWORK), T = TAMPER PROOF,	•	FLOAT SWITCH		DOOR CONTACTS
<b>]</b>	AS MANUFACTURED BY WATTSTOPPER MODEL #RH703PTUTC E.C. TO INSTALL PER		20A, 120V AC, NEMA 5-20R, DUPLEX GROUND FAULT		TIME CLOCK. MODEL #DGLC200A-NC WITH ACCESSORY	œ₽●∩	EMERGENCY DOOR RELEASE BUTTON
	MANUFACTURERS WRITTEN INSTRUCTIONS. COLOR AS	-	CIRCUIT INTERRUPTER TYPE RECEPTACLE (GFI), SINGLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING		#EPC-A PHOTOCELL AS MANUFACTURED BY TORK.	⊢ <mark>CR</mark>	CARD READER, CONSISTING OF 4" SQUARE
Q	24V DC, SINGLE BUTTON DIGITAL DIMMING WALL SWITCH,		HEIGHT TO CENTER OF DEVICE = 18" A.F.F., X" = INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE		COVERPLATE, 4" SQUARE BOX, TILE RING (DEPTH AS		TRANSFORMER, TILE RING(DEPTH AS REQU
D \$	SWITCH MOUNTING HEIGHT = 48" A.F.F. TO THE TOP OF DEVICE BOX, U.O.N SWITCH SHALL BE MODEL NUMBER		(COORDINATE WITH MILLWORK), WP = IN USE WEATHERPROOF COVER.		UP INTO THE NEAREST ACCESSIBLE CEILING.		CONTRACTOR), JUNCTION BOX OVERTOP O
	LMDM-101 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. DIGITAL WALL SWITCH SHALL BE FED BY DIGITAL	-O ISO	204 120V AC NEMA 5-20R DUPLEX RECEPTACLE SINGLE		BOX UNLESS OTHERWISE NOTED. SECURITY VENDOR		CONDUIT STUBBED UP INTO EASILY ACCESS
	ROOM CONTROLLER. CABLING BETWEEN CONTROLLER AND DIGITAL WALL SWITCH SHALL BE CAT-5E CABLE WITH	Ð	GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING		AND WIRE.		DRAWING E602 FOR DETAILS.
	RJ45 CONNECTORS. COLOR AS SELECTED BY ARCHITECT.		A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE	■	COMBINATION TELE/DATA OUTLET CONSISTING OF ONE COVERPLATE (#=PORT QUANTITY), 4" SQUARE BOX,	HH	HAND SWIPE PROXIMITY READER, CONSIST SQUARE JUNCTION BOX AT 48" A.F.F., TILE F
5	20A, 120-277V AC, SINGLE BUTTON WALL MOUNT, PASSIVE		GASKETED STAINLESS STEEL COVERPLATE.		TILE RING (DEPTH AS REQUIRED), 1-1/4" CONDUIT WITH PULLSTRING STUBBED UP INTO THE NEAREST EASILY		AS REQUIRED), PROXIMITY READER (AS PRO OWNERS SECURITY CONTRACTOR), JUNCTION
0 \$	SWITCH MOUNTING HEIGHT = 48" A.F.F. TO CENTER OF		20A, 120V AC, NEMA 5-20R, DUPLEX GROUND FAULT		ACCESSIBLE CEILING SPACE. WP = WEATHERPROOF COVERPLATE. MOUNTING HEIGHT=18" AFF TO THE		OVERTOP OF DOOR JAM, 3/4" CONDUIT CON JUNCTION BOXES, AND CONDUIT STUBBED
	DEVICE BOX, U.O.N. OCCUPANCY SWITCH SHALL BE #PW-101 AS MANUFACTURED BY WATTSTOPPER.	U ISO	CIRCUIT INTERRUPTER TYPE RECEPTACLE (GFI), SINGLE GANG BOX, TILE RING (DEPTH AS REQUIRED). MOUNTING		CENTER OF DEVICE BOX UNLESS OTHERWISE NOTED. SECURITY VENDOR TO FURNISH AND INSTALL DEVICES,		EASILY ACCESSIBLE CEILING SPACE FROM <sup>-</sup> JUNCTION BOX.
0C2	20A, 120-277V AC, TWO BUTTON WALL MOUNT, DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC).		HEIGHT TO CENTER OF DEVICE = 48" A.F.F, ISO = NEMA 3R GASKETED STAINLESS STEEL COVERPLATE	o.∞∎	DEVICE PLATES, AND WIRE.	H	KEYPAD
$\mathbf{S}$	DUAL RELAY OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48" A.F.F. TO CENTER OF DEVICE BOX. U.O.N.	<b>A</b> s	20A. 120V AC. NEMA 5-20R. SURFACE MOUNTED DUPLEX	#	4 PORT COVERPLATE (#=PORT QUANTITY), 4" SQUARE BOX_TILE RING (DEPTH AS REQUIRED), 1-1/4" CONDUIT		CELLING MOUNTED MOTION DETECTOR
	OCCUPANCY SWITCH SHALL BE #DW-200 AS	Ť,	RECEPTACLE, 4" SQUARE BOX, CONDUIT STUBBED UP TO FASILY ACCESSIBLE SPACE ABOVE CEILING MOUNTING		WITH PULLSTRING STUBBED UP INTO THE NEAREST	+@>	NURSE CALL EMERG. STATION
3	20A, 120-277V AC, SINGLE BUTTON 0-10V DIMMING WALL		HEIGHT TO CENTER OF DEVICE = 18" AFF TO CENTER OF		HEIGHT=48" AFF TO THE CENTER OF DEVICE BOX	+	NURSE CALL CODE BLUE EMERG. STATION
Ō \$	MOUNI, PASSIVE INFRARED, SINGLE RELAY OCCUPANCY SENSOR. SWITCH MOUNTING HEIGHT = 48" A.F.F. TO		HEIGHT TO CENTER OF DEVICE (COORDINATE WITH		FURNISH AND INSTALL DEVICES, DEVICE PLATES, AND		NURSE CALL DUTY STATION
	CENTER OF DEVICE BOX, U.O.N. OCCUPANCY SWITCH SHALL BE #PW-311 AS MANUFACTURED BY		20A, 120V AC, NEMA 5-20R, DUPLEX RECEPTACIE, (2) 2.0		WIRE. WIRELESS ACCESS POINT CONSISTING OF JUNCTION	+	NURSE CALL SINGLE PATIENT STATION
4	WATTSTOPPER. 20A. 120-277V AC. SINGLE BUTTON DIMMING WALL MOUNT	⊕	USB CHARGING PORTS, SINGLE GANG BOX, TILE RING		BOX AND TILE RING PROVIDED BY E.C. ALL DEVICES, DEVICE PLATES, AND WIRE PROVIDED BY SECURITY	+	NURSE CALL DUAL PATIENT STATION
¢ 0C	PASSIVE INFRARED, SINGLE BOTTON DIVINING WALL MOUNT, SWITCH MOUNTING HEIGHT = 48" A E E TO CENTED OF		TO CENTER OF DEVICE = 18" AFF TO CENTER OF DEVICE				NURSE CALL DOME LIGHT (2 LAMP)
	DEVICE BOX, U.O.N. OCCUPANCY SWITCH SHALL BE		CENTER OF DEVICE (COORDINATE WITH MILLWORK), H =	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	BOX, TILE RING (DEPTH AS REQUIRED), STUB-UP 1 1/4"		JUNCTION BOX, CAT-6 CABLE RAN BACK TO
	#FW-TOTD AS MANUFACTURED BY WATTSTOPPER. COLOR AS SELECTED BY ARCHITECT/OWNER.	ы			CONDULT TO NEAREST ACCESSIBLE SPACE. MOUNTING HEIGHT = 18" A.F.F. TO CENTER OF DEVICE.	VVP	CONDUIT STUBBED UP INTO EASILY ACCESS
D10	20A, 120-277VAC, 0-10V DIMMING SWITCH AS MANUFACTURED BY WATTSTOPPER MODEL #RH4FBI 3PTC	#	ZUA, IZUV AU, NEMA 5-ZUR, DOUBLE DUPLEX RECEPTACLE, DOUBLE GANG BOX, TILE RING (DEPTH AS		SECURITY VENDOR TO FURNISH AND INSTALL DEVICES, DEVICE PLATES, AND WIRE.		PLATES, AND WIRING PROVIDED BY SECURI
$\mathbf{O}$	E.C. TO INSTALL PER MANUFACTURERS INSTRUCTIONS. COLOR TO BE SEI ECTED BY ARHILITECT		REQUIRED). MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F., X" = INCHES A.F.F. MOUNTING HEIGHT TO	H	BELL		WE WEATHER WITH PAN/TILT DRIVE LOCAT
EC	20A, 120-277VAC, FAN CONTROLLER WALL BOX AS		CENTER OF DEVICE (COORDINATE WITH MILLWORK), T = TAMPER PROOF, ISO = GASKETED STAINLESS STEEL		BUZZER CHIME	(I)	CONSISTING OF 4" SQUARE JUNCTION BOX, RAN BACK TO HEAD FND FOLUMENT THE F
$\leftrightarrow$	MAINUFACTURED BY WATTSTOPPER MODEL# CDSC6-X. E.C. TO INSTALL PER MANUFACTURERS INSTRUCTIONS.	GFI			DOOR SIGNAL - APT. UNIT	WP	AS REQUIRED), AND 1" CONDUIT STUBBED U
,	COLOR TO BE SELECTED BY ARCHITECT. 20A, 120V-277V AC. LINE VOLTAGE DIMMING WALL SWITCH	<b>₩</b> ₩₽	INTERRUPTER (GFI) TYPE DOUBLE DUPLEX RECEPTACLE, DOUBLE GANG ROX THE RING (DEPTH AS DECUMPED)		SPEAKER (WALL OR CEILING MT.)		MOUNTED. ALL DEVICES, DEVICE PLATES, AI
₽ ↔			MOUNTING HEIGHT TO CENTER OF DEVICE = 18" A.F.F., X"		HURN LYPE SPEAKER		COVER
	MANUFACTURERS WRITTEN INSTRUCTIONS. COLOR AS		- INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), T = TAMPER	+ €	MICROPHONE OUTLET	□ <u>)</u> 360	360 DEGREE CCTV CAMERA DRIVE LOCATION CONSISTING OF 4" SQUARE JUNCTION BOX.
.н	20A, 120V-277V AC, LINE VOLTAGE DIMMING WALL SWITCH		PROOF WP = IDENTIFIES "IN USE" WEATHERPROOF COVER.	- -	ANTENNA	WP	RAN BACK TO HEAD END EQUIPMENT, TILE F AS REQUIRED), AND 1" CONDUIT STUBBED U
3E ≎	AS MANUFACTURED BY WATTSTOPPER MODEL#RH703PTUTC_E_C_TO_INSTALL_PER	_ <b>45</b> <sup>48"</sup>	20A, 120V AC, NEMA 5-20R, SURFACE MOUNTED DOUBLE	FARA			EASILY ACCESSIBLE CEILING SPACE WHEN N MOUNTED ALL DEVICES DEVICE PLATES AN
	MANUFACTURERS WRITTEN INSTRUCTIONS. COLOR AS	−₩iso	DUPLEX RECEPTACLE, CONDUIT STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING, GASKETED. X" =		DEVICE BOX, TILE RING (DEPTH AS REQUIRED).		PROVIDED BY SECURITY VENDOR. WP=WEA
ÔC	1000 SQ. FT. COVERAGE CEILING MOUNTED 360 DEGREE 24V		INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK) PROOF WP = IDENTIFIES		HEAT DETECTOR, E.C. SHALL PROVIDE 4" SQUARE DEVICE BOX. TILE RING (DEPTH AS REQUIRED).	+@	WALL MOUNTED MASTER STATION LOCATIO
$\bigcirc$	TECHNOLOGY (ULTRASONIC AND PASSIVE INFRARED).		"IN USE" WEATHERPROOF COVER, ISO = NEMA 3R GASKETED STAINLESS STEEL COVERPLATE	<u>(</u> )	PHOTOELECTRIC DUCT SMOKE DETECTOR WITH	MS	CONSISTING OF 3 GANG JUNCTION BOX. DE PROVIDED BY SECURITY CONTRACTOR.
	SENSOR SHALL BE MODEL NUMBER DT-300 AS MANUFACTURED BY WATTSTOPPER. SENSOR SHALL BE	_			REMOTE TEST STATION	+© DS	STAINLESS STEEL WEATHER RESISTANT DO LOCATION. SURFACE MOUNT JUNCTION BO
	WIRED TO POWER PACK UNIT FOR PROPER OPERATION. PROVIDE A MINIMUM OF ONE POWER PACK, AS REQUIRED,		SPECIAL PURPOSE ELECTRICAL RECEPTACLE. NEMA CONFIGURATION AS SHOWN ON PLAN, X" = INCHES A.F.F.		SHALL PROVIDE 4" SQUARE DEVICE BOX, TILE RING		PROVIDED BY SECURITY CONTRACTOR.
697	PER OCCUPANCY SENSOR. 1000 SQ. FT. COVERAGE CEILING MOUNTED EXTENDED	<b>ХХ-ХХ</b>	* MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK).	C	FIRE ALARM COMBINATION SMOKE/CO2 DETECTOR.		KEYED NOTE (SEE KEYNOTE ON PLAN)
	RANGE OCCUPANCY SENSOR., 24V DC, PASSIVE INFRARED. SENSOR SHALL BE MODEL NUMBER LMPC-100 AS	₩P ₽~□	ELECTRIC CORD REEL, WITH WATERPROOF RECEPTACLE		E.C. SHALL PROVIDE 4" SQUARE DEVICE BOX, TILE RING (DEPTH AS REQUIRED).	. <b>.</b>	TYPICAL BRANCH CIRCUITING HOME RUN SY
	MANUFACTURED BY WATTSTOPPER OR EQUAL. FINISH SHALL BE SELECTED BY OWNER/ARCHITECT. OCCUPANCY	GFI	ELECTRIC CORD REEL, WITH GFCI RECEPTACI F 20A	⊢ <u>F</u> <sup>WP</sup>		×-#	GENERALLY, 15A AND 20A BRANCH CIRCUITS OF (2) #12 AWG CU. AND (1) #12 AWG CU. GN
	SENSOR SHALL BE FED FROM DIGITAL ROOM CONTROLLER.			│ <sup>-</sup>	(DEPTH AS REQUIRED). WP = WEATHERPROOF		CONDUIT, UNLESS OTHERWISE NOTED. "X" PANELBOARD DESIGNATION; "#" IDENTIFIES
	SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS.		GLOCK (TYPE DENOTED) RECESSED JUNCTION BOX, CONDUIT STUBBED UP TO	HF S	FIRE ALARM SPEAKER STROBE. E.C. SHALL PROVIDE 4"		
RC1	SINGLE RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL		EASILY ACCESSIBLE SPACE ABOVE CEILING. X" = INCHES	····	REQUIRED). WP=WEATHERPROOF, LF=LOW		REMAIN
	NUMBER LINKG-101 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW VOLTAGE DEVICES AND		(COORDINATE WITH MILLWORK).	WP	FIRE ALARM BELL. E.C. SHALL PROVIDE 4" SQUARE	₽	DARK AND SOLID SYMBOL INDICATES NEW V
	DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM	⊢Ĵ\$	SURFACE MOUNTED JUNCTION BOX, RACEWAY STUBBED UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING. X" =		DEVICE BOX, TILE RING (DEPTH AS REQUIRED). WP=WEATHERPROOF	( <del>-</del>	אירא איזא איזא איזא איזא איזא איזא איזא
	CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING		INCHES A.F.F. MOUNTING HEIGHT TO CENTER OF DEVICE (COORDINATE WITH MILLWORK), S = SURFACE MOUNT	F	F.A. PULLSTATION, E.C. SHALL PROVIDE 4" SQUARE DEVICE BOX, TILE RING (DEPTH AS REQUIRED)		
	LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER	D	CEILING RECESSED 4" SQUARE JUNCTION BOX FOR DATA, TILE RING (DEPTH AS REQUIRED). COVERPLATE	∞⊙	SPRINKLER FLOW SWITCH		
	EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C.	CLNG	(COVERPLATE TYPE, AS REQUIRED).		SPRINKLER VALVE TAMPER SWITCH		
	SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION TOOL AS MANUFACTURED BY WATTSTOPPER MODEL	(J) CLNG	CEILING RECESSED 4" SQUARE JUNCTION BOX FOR POWER, TILE RING (DEPTH AS REQUIRED), COVERPLATE	IPF   PR	FIRE PUMP PHASE REVERSAL. FIRE ALARM		
	LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE USED TO PROGRAM THE DIGITAL ROOM CONTROLLERS	<u>F/C</u>	(COVERPLATE TYPE, AS REQUIRED).				
RCD1	2UA, 12UV AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM CONTROLLER, SINGLE RELAY, UL LISTED, U.O.N. SWITCH		PULL BOX POWER OR DISTRIBUTION PANEL. HIDDEN LINE	<b>D</b> ?	2 GANG TV WALL BOX, PAINTABLE TRIM AND DECORATIVE COVER, (1) 20A, 120VAC DUPLEX		
	SHALL BE MODEL NUMBER LMRC-211 AS MANUFACTURED BY WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW	│U───┘ │┏─┓	REPRESENTS ELECTRICAL CLEARANCE SPACE.		RECEPTACLE, (1) COMMUNICATIONS BRACKET (AS COORDINATED IN FIELD), (1) 3/4" AND (1) 2" CONDUIT		
	VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHAI I		REPRESENTS ELECTRICAL CLEARANCE SPACE.		FROM BOX UP TO EASILY ACCESSIBLE SPACE ABOVE CEILING, CAT-6 AND RG-6 CABLE BACK TO A/V CLOSET.		
	MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S	,∕XX-1	MOTOR SINGLE-POLE OR TWO-POLE (AS DEOLUDED), 2501/ AO 4		WALL BOX SHALL BE MODEL #EFSB2 AS MANUFACTURED BY WIREMOLD. COORDINATE EXACT HEIGHT IN FIELD		
	CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY RYPASS	<sup>≯</sup> M	HP RATED, TOGGLE TYPE MANUAL MOTOR STARTED UNIT		WITH TELEVISIONS AND ARCHITECTURAL DRAWINGS.		
	CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE		APPROPRIATELY SIZED THERMAL UNITS, NEMA TYPE 1		A/V SYSTEM SPEAKER. PROVIDE 4" SQUARE BOX AND 3/4" CONDUIT WITH PULLSTRING STUBBED UP ABOVE		
	SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION		UK 4 (AS REQUIRED) ENCLOSURE, AND HANDLE GUARD/LOCK-OFF. SQUARE D CLASS 2510 FG OR FW		EASILY ACCESSIBLE CEILING SPACE. SPEAKER PROVIDED BY OWNER.		
	LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE		I YPES (AS REQUIRED) OR APPROVED EQUAL. THREE- POLE, 250V AC, 1 OR 2 HP RATED (AS REQUIRED),	O FB1	FLOOR BOX, ON GRADE CONCRETE. MODEL #EFB6S-OG		
	USED TO FRUGRAM THE DIGITAL KOUM CONTROLLERS.		I OGGLE TYPE MANUAL MOTOR STARTER UNIT WITH MELTING ALLOY TYPE THERMAL OVERLOAD RELAY,		WITH FPBTCXX TYPE FLOORPORT COVER AS MANUFACTURED BY WIREMOLD.		
RCD2			APPROPRIATELY SIZED THERMAL UNITS, NEMA TYPE 1 ENCLOSURE AND HANDLE GUARD/LOCK-OFF. SQUARE D	O FRPT1	8" Ø FIRE RATED POKE THRU, BLACK FLUSH COVER, (2)		
	CONTROLLER, DUAL RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL NUMBER I MRC-212 AS MANUEACTURED BY		CLASS 2510 K TYPE OR APPROVED EQUAL.		COMMUNICATIONS BRACKET WITH 4 PORTS. MODEL #		
	WATTSTOPPER OR EQUAL. CABLING BETWEEN LOW	₩A #AF	FUSIBLE SWITCH TYPE COMBINATION STARTER UNIT WITH DOOR MOUNTED H-O-A SWITCH AND RED "MOTOR		OATOP AS MANUFACTURED BY WIREMOLD.		
	BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL	NEMA	# RUNNING" LED TYPE PILOT LIGHT. PROVIDE AUXILIARY CONTACT. "NEMA #" IDENTIFIES NEMA ENCLOSURE	IGB1	TAMPER-RESISTANT KEY & LOCK COVER, IP-68 & NEMA 6P RATED UNIT. (2) 20A 1201/AC NEMA 5-20P DUPLEY		
	MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S		TYPE. "#A" IDENTIFIES DISCONNECT SWITCH AMPACITY RATING. "#AF", IF PRESENT. IDENTIFIES APPROXIMATE		RECEPTACLES, GROUND BOX BODY. COLOR AS		
	CON I ROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS		FUSE RATING. UNLESS OTHERWISE NOTED, ALL FUSIBLE DISCONNECT SWITCHES SHALL BE COMPLETE WITH		BE MODEL #XB814C520 AND GROUND BOX BODY SHALL BE MODEL #XB814C520 AND GROUND BOX BODY SHALL		
	CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER, MODEL ELCU-200. E.C.		APPROPRIATELY SIZED DE, TD, CL, CLASS RK5 FUSES.		DE MUDEL #ABO14, BUTH AS MANUFACTURED BY WIREMOLD LEGRAND.		
	SHALL PROVIDE (1) ONE DIGITAL WIRELESS CONFIGURATION	<b>б</b> #А NFMA	NUN-FUSIBLE DISCONNECT SWITCH. "#A" IDENTIFIES # DISCONNECT SWITCH AMPACITY RATING. "NEMA #"	IGB2	IN-GRADE EXTERIOR COMMUNICATIONS BOX, FLUSH MOUNTED, TAMPER-RESISTANT KEY & LOCK COVER JP-68		
	LMCT-100. THE DIGITAL CONFIGURATION TOOL SHALL BE		IDENTIFIES NEMA ENCLOSURE TYPE.		& NEMA 6P RATED UNIT, GROUND BODY BOX, LOW- VOLTAGE MOUNTING BRACKETS, A/V AND		
		<b>1</b> #A	FUSIBLE DISCONNECT SWITCH. "#A" IDENTIFIES		COMMUNICATIONS OUTLETS AS COORDINATED IN FIELD		
	20A, 120V AC, 60HZ, ON/OFF/0-10V DIMMING DIGITAL ROOM	#AF NEMA	# DISCONNECT FUSE SIZE. "NEMA #" IDENTIFIES NEMA		ARCHITECT/OWNER. OUTDOOR BOX SHALL BE MODEL		
RCD3	CONTROLLER, THREE RELAY, UL LISTED, U.O.N. SWITCH SHALL BE MODEL NUMBER LMRC-213 AS MANUFACTURED BY		ENGLOSURE LIPE. UNLESS OTHERWISE NOTED, ALL FUSIBLE DISCONNECT SWITCHES SHALL BE COMPLETE		#XB0146LV AND GROUND BODY BOX SHALL BE MODEL #XB814 AS MANUFACTURED BY WIREMOLD LEGRAND.		
RCD3	WATTSTOPPER OR FOLIAL CARLING RETWEEN LOW		WITH APPROPRIATELY SIZED DE, TD, CL, CLASS RK5 FUSES. XP = EXPLOSION PROOF				
D RCD3							
I RCD3	VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL						
I RCD3	VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S			I			
I RCD3	VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS					1	
I RCD3	VOLTAGE DEVICES AND DIGITAL ROOM CONTROLLER SHALL BE CAT-5E CABLE WITH RJ45 CONNECTORS. E.C. SHALL MOUNT DIGITAL ROOM CONTROLLER SECURELY ABOVE DROP CEILING IN ACCESSIBLE SPACE. ROOM CONTROLLER'S CONTROLLING LIGHTING FED FROM EMERGENCY CIRCUITS SHALL BE PROVIDED WITH AN EMERGENCY BYPASS CONTROLLER. EMERGENCY BYPASS CONTROLLER SHALL BE MANUFACTURED BY WATTSTOPPER. MODEL ELCU-200 F C						
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MEANS OF SUPPORT. C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE UL FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE UL FIRE RESISTANCE DIRECTORY.

# **GENERAL ELECTRICAL NOTES**

- A. ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR
- SLAB SHALL BE METAL. RACEWAY BELOW THE FLOOR SLAB AND UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE SHALL BE PVC. B. ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN METAL RACEWAY WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAY WHERE NOTED. LOW VOLTAGE CABLES MAY BE RUN IN CABLE
- SUPPORT HOOKS ABOVE ACCESSIBLE CEILINGS WHERE NOTED. C. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS. D. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER
- FURNISHED EQUIPMENT PRIOR TO ROUGH-IN. E. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON DRAWINGS. G. THE TERM 'FURNISH' SHALL MEAN TO PURCHASE AND SUPPLY TO THE JOB-
- SITE. THE TERM 'INSTALL' SHALL MEAN TO FIX IN POSITION AND CONNECT FOR USE. THE TERM 'PROVIDE' SHALL MEAN TO FURNISH AND INSTALL. H. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH ALL OTHER TRADES AND EXISTING CONDITIONS, INCLUDING PRODUCTIONS SCHEDULES PRIOR TO FABRICATION, PURCHASE, AND/OR INSTALLATION OF WORK. THE CONTRACTOR SHALL EXAMINE THE SITE AND VERIFY EXISTING CONDITIONS WITH RESPECT TO THE DRAWINGS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY WORK. ANY
- QUESTIONS AND/OR DISCREPANCIES THAT MAY ARISE SHALL BE REPORTED TO THE OWNER OR REPRESENTATIVE FOR RESOLUTION. EXAMINE THE AREA OF WORK PRIOR TO AND DURING CONSTRUCTION TO INSURE THAT ITEMS. SYSTEMS, AND UTILITIES TO BE REMOVED OR MODIFIED HAVE BEEN IDENTIFIED AND SCHEDULED, EXISTING CONDITIONS HAVE BEEN ACCURATELY NOTED, AND THAT ANY HAZARDS OR IMPACT TO OWNER'S OPERATIONS THAT MAY RESULT HAVE BEEN ADDRESSED WITH THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR ENCOUNTERS WHAT APPEARS TO BE A HAZARDOUS CONDITION OR QUESTIONABLE
- MATERIALS, HE/SHE SHALL DISCONTINUE WORK IMMEDIATELY AND CONTACT THE OWNER'S REPRESENTATIVE. J. ALL WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL OR SPECIALTY CONTRACTORS IN A CLEAN AND WORKMANLIKE MANNER AND COMPLY WITH ALL APPLICABLE REGULATORY REQUIREMENTS DURING THE WORK AND FOR DISPOSAL OF DISCARDED MATERIALS. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. NOTIFY OWNER'S REPRESENTATIVE IN ADVANCE OF ALL ANTICIPATED
- DISRUPTIONS TO OPERATIONS. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA. K. DEMOLISH. CUT AND REMOVE CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS AND TOOLS REQUIRED TO COMPLETE WORK IN A NEAT, EFFICIENT AND SAFE MANNER WITH MINIMAL IMPACT TO OWNER'S OPERATION AND WITHIN LIMITATIONS OF GOVERNING REGULATIONS. EXCEPT FOR ITEMS OR
- MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY. RESTORE FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO ADJOINING CONSTRUCTION AS REQUIRED TO ELIMINATE EVIDENCE OF PATCHING AND REFINISHING. RESTORE ALL PATCHED AREAS BACK TO ORIGINAL CONDITION INCLUDING MAINTAINING ANY RATINGS THAT MAY APPLY.
- M. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE WORK AREA ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF WORK INCLUDED IN THIS CONTRACT. N. UPON THE COMPLETION OF ALL WORK OR ANY SEPARATE PARTS OF THE
- WORK, THE CONTRACTOR SHALL REMOVE FROM THE WORK AREA ALL EVIDENCE OF DIRT, REFUSE, STAINS OR OTHER FOREIGN MATTER. ALL SURFACES SHALL BE FREE FROM DUST AND THE BUILDING SHALL BE LEFT HABITABLE AND READY FOR OCCUPANCY.

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JOHN R. FARINA P.E.

NORTH
GENERAL DEMOLITION NOTES SHOWN DARK AND DASHED ON PLANS SHALL REPRESENT ITEMS TO BE ED, ALL ITEMS SHOWN LIGHT AND SOLID ON PLANS SHALL REPRESENT FARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE ALL DEMOLITION WORK IN FIELD PRIOR TO COMMENCING LAWFULLY DISCARD OF ALL DEMOLISHED EQUIPMENT IN ACCORDANCE EDERAL, STATE, CITY AND LOCAL CODES AND ORDINANCES IN EFFECT. ALL HAVE FIRST RIGHT OF REFUSAL OF ALL ITEMS SHOWN TO BE
ED PRIOR TO DISCARDMENT OF ITEM. REFER TO ELECTRICAL SINGLE LINE DIAGRAMS ON DRAWING E-601 FOR RMATION. SAFEGUARD EXISTING GENERATOR AND ATS CONDUCTORS FOR REUSE IN PORTION OF PROJECT. E.C. SHALL COORDINATE ALL DEMOLITION WORK NOR TO COMMENCING WORK. NATED BRANCH CIRCUITS INSTALLED TO GENERATOR ENCLOSURE SHALL ARDED DURING DEMOLITION FOR REUSE IN NEW WORK PORTION OF
KEYNOTES DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING WIRING DEVICES INECT SWITCH. EXISTING BRANCH CIRCUITS SHALL BE SAFEGUARDED IN NEW WORK PORTION OF PROJECT. DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING GENERATOR AND ANK. E.C. SHALL SAFEGUARD EXISTING CONDUCTORS AND CONDUITS D WITH GENERATOR AND EQUIPMENT FOR REUSE IN NEW WORK PORTION
I. DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING ATS/BPS FOR ENT IN SAME LOCATION. E.C. SHALL SAFEGUARD EXISTING CONDUCTORS IN NEW WORK PORTION OF PROJECT. E.C. SHALL COORDINATE ALL WORK TH EXISTING CONDITIONS. HAND DIG AROUND EXISTING CONDUITS AFTER PULLING CABLE PARTIALLY IDUIT. E.C. SHALL INTERCEPT EXISTING CONDUIT AT LOCATION AS ED IN FIELD TO REMOVE EXISTING CONDUIT AND PERFORM THE NEW DTED IN NEW WORK PORTION OF PROJECT. DE-ENERGIZE AND DISCONNECT EXISTING CONVENIENCE RECEPTACLE, HARGER AND BLOCK HEATER CIRCUITS FROM THEIR EXISTING CIRCUIT EXISTING CIRCUIT BREAKERS SHALL BE SAFEGUARDED AND LABLED PANEL SCHEDULES. CABLING SHALL BE SAFEGUARDED FOR REUSE IN PORTION OF PROJECT.
NOT REUSED. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH DNDITIONS AND NEW WORK PLANS IN EIELD REWORK EXISTING CONDUCTORS PRIOR TO COMMENCING DEMOLITON EED TEMPORARY POWER TO ALL PANELS FOR TEMPORARY GENERATOR RING PROJECT. E.C. SHALL DE-ENERGIZE, DISCONNECT AND DEMOLISH DLL-UP DOCKING STATION AFTER INSTALLATION OF NEW GENERATOR, CONNECTIONS HAVE BEEN REMADE AND POWERED UP. E.C. SHALL EXISTING CONDUITS ON BOTH SIDE OF EXTERIOR WALL TO THE WALL AND DUITS THROUGH WALL. E.C. SHALL DEMOLISH EXISTING CONDUCTORS ING STATION TO THEIR END POINT. E.C. SHALL FILL EXISTING CONDUITS HER AND FIRE-PROOF CAULKING TO SEAL CONDUITS THROUGH WALL. E.C. IRE WEATHER-TIGHT SEAL AFTER COMPLETION. REWORK EXISTING CONDUITS TO GENERATOR LOCATION FOR NEW PLIEL MONITORING WIRING INTO EXISTING LOCATION IN BUILDING. E C

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	GENERAL POWER NOTES
1	ALL ITEMS SHOWN DARK AND SOLID ON NEW WORK PLANS SHALL REPRESENT NEW WORK ITEMS AND ALL ITEMS SHOWN LIGHT AND SOLID ON PLANS SHALL REPRESENT EXISTING ITEMS TO REMAIN
2	AS IS, UNLESS OTHERWISE NOTED. ALL CONDUITS SHOWN DASHED AND LIGHT ON PLANS SHALL REPRESENT UNDERGROUND INSTALLATION AND EXISTING TO
3	REMAIN. E.C. SHALL FURNISH AND INSTALL NEW GENERATOR AND BYPASS
	EXISTING TO BE DEMOLISHED EQUIPMENT. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH DEMOLITION DRAWINGS.
1	E.C. SHALL REMAKE ALL CONNECTIONS TO BYPASS ATS, GENERATOR AND EMERGENCY MAIN CIRCUIT BREAKERS PER EXISTING WIRING CONFIGURATION.
5	E.C. SHALL INSTALL ALL EQUIPMENT PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
6	E.C. SHALL ENSURE AT COMPLETION OF PROJECT THAT ALL EQUIPMENT INSTALLED IS 100% COMPLETE AND FULLY OPERATIONAL TO THE OWNER'S SATISFACTION.
7	E.C. SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAMS ON DRAWING E-601 FOR MORE INFORMATION.
3	EXISTING CONDUIT IS SHOWN DIAGRAMMATICALLY, BUT DOES REFLECT APPROXIMATE FIELD SURVEYED LOCATION AND/OR ROUTING. E.C. SHALL REFER TO MARKINGS ONSITE FOR ALL LOCATIONS OF UNDERGROUND UTILITIES IN FIELD.
9	E.C. SHALL COORDINATE EXACT LOCATION OF ROLL-UP DOCKING STATION AND COMMAND STATION 100A, 3P PLUG CONNECTION IN FIELD WITH OWNER PRIOR TO INSTALLATION.
10	E.C. SHALL FURNISH AND INSTALL ALL PULLBOXES REQUIRED TO INSTALL CONDUCTORS WITHOUT DAMAGE OR TO MAKE SPLICES.
11	LOCATIONS IN FIELD BEFORE COMMENCING WORK. E.C. SHALL REFER TO DRAWING E-601 FOR CONCRETE PAD AND
12	BOLLARD INSTALLATION DETAILS. E.C. SHALL REUSE EXISTING BRANCH CIRCUIT WIRING TO REFEED
12	HEATER FROM NEW GENERATOR ENCLOSURE PANEL AS SHOWN ON DRAWING E-601.
13	PROJECT. E.C. SHALL BE RESPONSIBLE FOR SAW-CUTTING, EXTENDING
	EXISTING CONDUITS AND FEEDERS TO NEW CONDUIT WINDOW, AND PATCHING OF EXISTING CONCRETE GENERATOR PAD IN CASE AI TERNATE GENERATOR IS FURNISHED TO CORRESPOND WITH
	ALTERNATE GENSET POWER CONNECTION LOCATION. IF AN ALTERNATE GENERATOR IS SELECTED E.C. SHALL COORDINATE
	ALL WORK IN FIELD WITH ALTERINATE GENERATOR MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND SHOP DRAWINGS.
15	E.C. SHALL PROVIDE A ROLL-UP TEMPORARY GENERATOR FOR TEMPORARY POWER TO BUILDING WHEN BYPASS ATS SWITCHES AND GENERATOR ARE TAKEN OFF-LINE FOR DEMOLITION.
	KEYNOTES
1	E.C. SHALL REUSE EXISTING SAFEGUARDED BRANCH CIRCUIT FROM DEMOLITION PORTION OF PROJECT TO FEED NEW 50A. 2P
	NEMA 3R ENCLOSED GFCI CIRCUIT BREAKER BEFORE FEEDING NEW NEMA 14-50R COMMAND CENTER RECEPTACLE. E.C.
2	NEW GENERATOR ENCLOSURE. E.C. SHALL FURNISH AND INSTALL NEW GENERATOR ON
	EXISTING CONCRETE PAD. E.C. SHALL COORDINATE EXACT CONDUIT WINDOW LOCATION OF NEW GENERATOR WITH EXISTING CONDUIT LOCATIONS PRIOR TO INSTALLATION OF
3	GENERATOR. E.C. SHALL REUSE EXISTING SAFEGUARDED FEEDERS TO REMAKE CONNECTIONS TO NEW BYPASS ATS SWITCH. E C
	SHALL COORDINATE EXACT LOCATIONS OF EQUIPMENT IN FIELD WITH EXISTING CONDITIONS. E.C. SHALL CONFIRM NEW
4	DEMOLITION OF OLD BYPASS ATS SWITCH. E.C. SHALL FURNISH AND INSTALL TEMPORARY ROLL-UP
	GENERATOR DOCKING STATION ON CONCRETE PAD IN AREA AS COORDINATED WITH OWNER. DOCKING STATION SHALL BE INSTALLED IN LOCATION WHERE TEMPORARY GENERATOR
	CONNECTION CAN BE MADE EASILY. E.C. SHALL FURNISH AND INSTALL UNI-STRUT FRAME TO MOUNT DOCKING STATION ON. UNISTRUT FRAME SHALL BE BUILT TO HOLD 2501 BS
5	E.C. SHALL HAND DIG AROUND EXISTING CONDUITS AFTER PULLING CABLE PARTIALLY OUT OF CONDUIT. E.C. SHALL
	INTERCEPT EXISTING CONDUIT AND REWORK CONDUITS TO NEW DOCKING STATION. E.C. SHALL FURNISH AND INSTALL NEW CONDUCTORS FROM GENERATOR TO DOCKING STATION.
6	E.C. SHALL FURNISH AND INSTALL A 100A, 3P, 4W CIRCUIT-LOCK IEC PIN AND SLEEVE MECHANICAL INTERLOCK RECEPTACLE ON
	CENTER. E.C. SHALL FURNISH AND INSTALL MODEL #HBL4100MI12W WITH NEUTRAL BLOCK #HBL100RNB AS
	LOCATION OF PLUG WITH OWNER PRIOR TO INSTALLING RECEPTACLE.
7	E.C. SHALL FURNISH AND INSTALL 6" DIAMETER CONCRETE FILLED STEEL BOLLARDS FOR PROTECTION OF ELECTRICAL FOUNDMENT, BOLLARDS SHALL, F.C. SHALL, COORDINATE ALL
	BOLLARD LOCATIONS AND WORK IN FIELD WITH EXISTING CONDITIONS PRIOR TO INSTALLATION.
8	E.C. SHALL FURNISH AND INSTALL A 100A, 3P NEMA 3R ENCLOSED GFCI TYPE CIRCUIT BREAKER ON UNISTRUT FRAME WIRED PRIOR TO 100A IEC PIN AND SLEEVE RECEPTACLE
0	DEVICE. E.C. SHALL COORDINATE ALL LOCATIONS OF DEVICES, UNI-STRUT FRAME SIZE AND TRENCH ROUTING IN FIELD.
9	FROM DEMOLITION PORTION OF PROJECT TO FEED NEW GFCI RECEPTACLE. E.C. SHALL REWORK EXISTING CIRCUIT TO BE
1(	WORK IN FIELD. E.C. SHALL FURNISH AND INSTALL A NEW BRANCH FEEDER
	FROM PANEL SDP LOCATED IN EXISTING MECHANICAL ROOM FROM A NEWLY FURNISHED AND INSTALLED 100A, 2P CIRCUIT BREAKER IN EXISTING SPACE TO FEED NEW PANEL GEP IN
	GENERATOR ENCLOSURE. E.C. SHALL DIRECTIONALLY BORE CONDUIT UNDERSLAB FROM BUILDING UP INTO EXISTING
	NEW PANELBOARD. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH EXISTING CONDITIONS PRIOR TO COMMENCING
1	WURK. 1 E.C. SHALL FURNISH AND INSTALL A NEW 5KW UNIT HEATER INSIDE OF GENERATOR ENCLOSURE. UNIT HEATER SHALL BF
	MODEL #MUH0581 AS MANUFACTURED BY QMARK. E.C. SHALL HANG UNIT HEATER IN ENCLOSURE FROM CEILING OF ENCLOSURE AND SHALL PROVIDE ALL CONTROL WIRING
	THROUGH GENERATOR CONTROL PANEL TO SHUT-OFF WHEN MOTORIZED LOUVERS ARE OPENED AND GENERATOR STARTS.
12	2 E.C. SHALL INTERCEPT EXISTING CONDUIT WITH FEEDER TO 50A RECEPTACLE TO BE EXTENDED TO THE NEW RECEPTACLE
	LOCATION AS SHOWN ON THIS PLAN. E.C. SHALL FURNISH AND INSTALL BOX FOR EXTENSION OF BRANCH CIRCUIT FEEDER.

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r anei.										
Location:	GENERATOR	ENCLOSURE	Ξ	Volts:	120/208V	,		A.I.C. Rating:	10kA	
Supply From:	PANEL SDP			Phases:	1			Mains Type:	MLO	
Mounting:	SURFACE			Wires:	3			Mains Rating:	100.0 A	
Enclosure:	NEMA 1							MCB Rating:	100.0 A	
							1			_
Circuit Description		Trip	Circuit Number	Number of Poles	Number of Poles	Circuit Number	Trip		Circuit Description	
1 (1111 1)(EIZMA)		20.4	1	2	2	2	20.4			
		30 A	3	2	2	4	30 A	GENERATOR BL	OUN REALER	
BATTERY CHARGE	R	20 A	5	1	1	6	20 A	REC - GENERAT	OR CONVENIENCE	Ì
DAMPERS		20 A	7	1	1	8	20 A	SPARE		

Location: ME(	CHANICAL ROOM	1		Volts:	208Y/120	)
Supply From: UTIL	.ITY			Phases:	3	
Mounting: SUF	FACE			Wires:	4	
Enclosure: NEN	1A 1					
PANEL IS A SQ-D I-LINE	ANEL, SERIES E1					
Circuit Description	т	rip	Circuit Number	Number of Poles	Number of Poles	
			1			

Circuit Description	Trip	Number	Number of Poles	Number of Poles	
		1			
PNL PLA	100 A	3	3	3	
		5			
		7			
PNL HPA	200 A	9	3	3	
		11			
		13			
PNL LPA	100 A	15	3	3	
		17			
		19		1	
PNL LPB	100 A	21	3	1	
		23		1	
		25		2	
PNL KP	125 A	27	3	2	
		29		1	
		31			
SPACE		33	3	3	
		35			
		37			
PNL HPB	200 A	39	3	3	
		41			
		43			
PNL LPD S.T.	60 A	45	3	3	
		47			

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	SS SANITARY SEWER   UNK UNKNOWN   ASSUMED LINE LOCATION (NOT CONFIRMED, COLOR CORRESPONDS WITH LINE TYPE)   SYMBBOL LEGEENDL (COLOR WILL CORRESPOND WITH UTILITY TYPE)   UTILITY POLE JUNCTION BOX   IVINITY POLE JUNCTION BOX	
Google Earth	SQUARE INLET   ROUND INLET   ROOF DRAIN   POST INDICATOR VALVE	
McWILLIAMS	1/1 Sheet number	

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	GENERAL NOTES
1	TRINITY UNDERGROUND TRACING DRAWING IS PROVIDED FOR REFERENCE AND SHALL BE CORROBORATED IN FIELD PRIOR TO COMMENCING ALL DIGGING.

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