	1 '		2	3	3 E	LECTRICAL SYMBOL SCHED	ULE		. 5		I	6	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	GENERAL ELECTRICAL SYMBOLS		LIGHTING			COMMUNICATION DEVICES			POWER AND MOTOR DEVICES			AUDIO / VIDEO DEVICES	
	A. DEVICES SHALL BE MOUNTED AT THE HEIGHT INDICATED, UNLESS NOTED OTHERWISE. HEIGHTS ARE MEASURED TO		RECESSED LUMINAIRE (TYPE DENOTED)		XX XX	PAGING/INTERCOM SPEAKER HORN ASSEMBLY- P.A. OR AS INDICATED xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P.A. SYSTEM. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING).	90"	xx	RECEPTACLE NOTATION. XX INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH IG ISOLATED GROUND			MICROPHONE OUTLET (WALL, CEILING, OR HANGING). HA = HANGING, 1 GANG J-BOX AT CEILING DECK OR AS NOTED. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	18"
	FROM DEVICE CENTER TO FINISHED FLOOR. DEVICES MOUNTED IN BLOCK/BRICK WALLS SHALL CORRESPOND WITH BLOCK/BRICK COURSING. SEE MASONRY BACKBOX MOUNTING HEIGHT DETAIL.	<u> </u>	SURFACE MOUNTED LUMINAIRE (TYPE DENOTED)		RX XX RS XX	LOUD SPEAKER HORN ASSEMBLY; VERIFY MOUNTING HEIGHT. xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P.A. SYSTEM. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING).			GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TAMPER RESISTANT		⊢(A)	AUXILIARY INPUT CONNECTOR. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	18"
	B. ALL MOUNTING HEIGHTS INDICATED ARE FROM THE FINISH	$\square \bigcirc$	LUMINAIRE ON EMERGENCY CIRCUIT, SWITCHED		(Ŝ⊢ (Ŝ) Z#	SPEAKER WITH BACKBOX (WALL OR CEILING). XX INDICATES THE FOLLOWING: PA = P.A. SYSTEM; V = WITH INTEGRAL VOLUME CONTROL; Z# = ZONE NUMBER. AV = REFER TO A/V SYMBOLS.			USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF		# (TV)+ (TV)	COMMUNICATIONS OUTLET FOR TV (WALL OR CEILING). (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). # = SEE DETAIL SHEETS.	60"
	 FLOOR TO THE CENTER OF THE BOX. ON DEMOLITION DRAWINGS, DASHED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO BE REMOVED; SOLID SCREENED 		LUMINAIRE ON EMERGENCY CIRCUIT, UNSWITCHED		(S) xx	(3/4"C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT 12" BELOW CEILING OR AS INDICATED ON PLANS.			SURFACE MOUNTED DUPLEX / QUAD RECEPTACLES AND DATA OUTLETS		DCH DC	TV/VIDEO CAMERA, CLOSED CIRCUIT. (WALL OR CEILING MOUNTED, (1"C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT PER DRAWINGS. CAMERA BY OTHERS.	
	ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, UNLESS NOTED OTHERWISE	<u> </u>	STRIP LIGHT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.		XX	INTERCOM. x INDICATES THE FOLLOWING: M = MASTER STATION. IC = REFER TO A/V SYMBOLS. HS = REFER TO A/V SYMBOLS. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	TOP AT 46" AFF	₩ ₩	RECEPTACLES WITH GROUND FAULT CIRCUIT INTERRUPTER		AVR-# AV	A/V WALL OR DESK MOUNTED EQUIPMENT RACK OR CABINET. REFER TO A/V DETAILS. AVR-# DENOTES RACK NUMBER.	
	D. ON NEW WORK LIGHTING, POWER AND SYSTEMS DRAWINGS, SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN; SOLID ELECTRICAL ITEMS DENOTES NEW ITEMS, UNLESS NOTED OTHERWISE	ю 🖵	WALL MOUNTED LUMINAIRE; SEE REFLECTED CEILING PLAN FOR MOUNTING HEIGHT.		N-	VOLUME CONTROL. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	46"		DUPLEX RECEPTACLE ON NORMAL CIRCUIT	18"	AVR-# AV	A/V FLOOR MOUNTED EQUIPMENT CABINET. REFER TO A/V DETAILS. AVR-# DENOTES RACK NUMBER.	
	DEVICES TO BE DEMOLISHED:	• • •	LINEAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.		-	CALL BACK SWITCH. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	46"		DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	18"	AV () AV ()+	CEILING OR WALL MOUNTED A/V JUNCTION BOX. REFER TO KEYNOTE FOR DIMENSIONS AND ADDITIONAL INFORMATION.	
		-¢-	CIRCULAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.			CLOCK OUTLET. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING FOR WIRED CLOCKS ONLY). D = DOUBLE FACED	90"	\square \ominus	RECEPTACLE (SINGLE)	18"	CP (AV)-1	A/V CONTROL PANEL (TOUCHSCREEN OR BUTTON PANEL), WALL MOUNTED. REFER TO KEYNOTE.	56" / VERIFY
		<u> </u>	TRACK LIGHT LUMINAIRE (WITH HEADS OR PENDANTS); LENGTH AND MOUNTING AS NOTED ON DRAWINGS.		9 B H	BELL/AUDIBLE DEVICE. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING). WALL DATA AND COMMUNICATIONS OUTLET:	90"		DOUBLE DUPLEX RECEPTACLE (QUAD) ON NORMAL CIRCUIT	18"	₩P (AV)	A/V WALL INPUT WALLPLATE/TRANSMITTER. REFER TO A/V DETAILS.	18"
		<u>⊦</u> ≊ †⊖†	EXIT LIGHT-FACE SHOWN SHADED; PLAN INDICATES CEILING OR WALL MOUNTING AND DIRECTIONAL ARROWS.	.		(BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS. CEILING DATA OUTLET AND WIRELESS ACCESS POINT:	18"	₩ ₩	DOUBLE DUPLEX RECEPTACLE (QUAD) ON EMERGENCY CIRCUIT	18"	AV ⊣	A/V INPUT IN FURNITURE. REFER TO A/V DETAILS.	
#	KEYED NOTE.		EMERGENCY LIGHTING UNIT - TWO HEAD MOUNTING AS INDICATED ON DRAWINGS.	<u> </u>	D# WAP	(BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.			SPECIAL PURPOSE OUTLET; RECESSED, MOUNT PER DWGS. RECESSED CEILING MOUNTED SINGLE OR DUPLEX RECEPTACLE W/	18"	TP-# (AV)⊣ 	A/V TECH I/O PANEL (NUMBER). REFER TO A/V PANEL DETAILS FOR DIMENSIONS AND ADDITIONAL INFORMATION. ANTENNA J-BOX/WALLPLATE, 1-GANG, FOR WIRELESS MICS OR A.L.S.	
(#)	FEEDER OR EQUIPMENT DRAWING NOTE.	e	POLE MOUNTED SITE LUMINAIRE - SINGLE SQUARE HEAD. NUMBER OF HEADS AS SHOWN.	.		WALL MOUNT DATA OUTLET FOR ROOM SCHEDULING EQUIPMENT. REFER TO DETAILS. WALL PHONE COMMUNICATIONS OUTLET: (1" BUSHED EMT TO	46"		ADDITIONAL 10' FLEX MC/AC SLACK (COILED); FOR FUTURE DEVICE RELOCATION.		ANT (AV)-1	ANTENNA J-BOX/WALLPLATE, 1-GANG, FOR WIRELESS MICS OR A.L.S. REFER TO A/V WALLPLATE DETAILS. PRODUCTION P/T/Z CAMERA AND J-BOX/WALLPLATE.	
E#	ELEVATION, SEE DETAIL # ON SHEET E#.	<u></u>	POLE MOUNTED SITE LUMINAIRE - PEDESTRIAN OR BOLLARD STYLE.		₩ ▷	ACCESSIBLE CEILING SPACE). SEE DETAIL SHEETS	46"		USB ONLY DEVICE, (4) USB CHARGING PORTS CEILING OR WALL MOUNTED JUNCTION BOX WITH REQUIRED	18"	CAM (A))+	PRODUCTION INTERCOM HEADSET STATION.	
						DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNA.	CLG		COVERPLATE - PLAN INDICATES FUNCTION	CLG, 18"	HS () H	PRODUCTION INTERCOM OUTLET WALLPLATE.	
		₩ŧ _€ ∽,	SWITCHING NOTATION. ## INDICATES THE FOLLOWING: 3 THREE-WAY	46"		FIRE ALARM DEVICES			MOTOR RATED SWITCH AND PILOT.	46"	ю ()-н (Р	CEILING OR WALL-MOUNT PROJECTOR.	
	SWITCHBOARD WITH CONCRETE PAD: FLOOR MOUNTED.		4 FOUR-WAY D DIMMER K KEYED		FAAP	FIRE ALARM ANNUNCIATOR PANEL;	TOP AT 60" AFF	₩ MS	MOTOR RATED SWITCH. MOTOR STARTER SWITCH WITH MOTOR RUNNING PROTECTION (ADD	40"	 	REFER TO A/V DETAILS. PROJECTION SCREEN - LOW VOLTAGE CONNECTION	
	RELAY/CONNECTION CABINET; WALL MOUNTED, WITH TOP AT 72" AFF		LV LOW VOLTAGE MC MOMENTARY CONTACT PL PILOT LIGHT TD TIME DELAY		FACP	FIRE ALARM CONTROL PANEL (MASTER);	TOP AT 68" AFF	н от мізз	RELAY IF CONTROL CONTACTS ARE REQUIRED).	6'-0"	AV (\$) Z-#	CEILING OR WALL-MOUNT A/V SPEAKER. FLUSH-MOUNT.	
	PANELBOARD; WALL MOUNTED WITH TOP AT 78" AFF.		EACH SYMBOL DENOTES A SINGLE POLE LIGHT SWITCH		NAC	FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL. MOUNT TOP 62" AFF PLUS OR MINUS 2".	TOP AT 62 ± 2" AFF		DISCONNECT SWITCH - FUSED.	6'-0"	AV SHZ-#	Z: ZONE #.	
ATS	WALL OR FLOOR MOUNTED. TRANSFORMER, WITH SIZE AS NOTED. SEE RISER DIAGRAM,		WHEN MULITPLE SWITCHES ARE SHOWN, LOCATE ALL UNDER SINGLE MULTI-SWITCH COVERPLATE.		ĒH	FIRE ALARM MANUAL PULL STATION.	46"		MOTOR STARTER.	6'-0"	 \$H	SUSPENDED SPEAKER ENCLOSURE OR ARRAY, AND RIGGING. REFER	
	SCHEDULE OR FLOOR PLANS; VERIFY.	HL L PC PC	PHOTOCELL - WALL, CEILING, OR ROOF MOUNTED; SEE DRAWINGS.			FIRE ALARM HORN (AUDIBLE), WALL MOUNTED.	84"		COMBINATION STARTER/DISCONNECT SWITCH.	6'-0"		TO A/V DETAILS. RECESSED CABLE ENCLOSURE IN FURNITURE.	
PB	PULLBOX	HLL OS OS	OCCUPANCY SENSOR - WALL OR CEILING CELING MOUNT. REFER TO LIGHTING CONTROL SCHEDULE FOR OPERATION INFORMATION.	46"	B AEH AEH	FIRE ALARM CHIME (WP FOR EXTERIOR MOUNTING). B = BELL. FIRE ALARM STROBE (VISUAL) DEVICE (WALL OR CEILING	84"		PUSHBUTTON - WALL MOUNTED.	30" - 36"			
НН	HANDHOLE MOTOR CONTROL CENTER (W/CONCRETE PAD);	HR R	EMERGENCY LIGHTING RELAY (UL 924) - SEE WIRING SCHEMATIC ON DETAIL SHEETS.			MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING	84", CLNG		PUSHBUTTON - WALL MOUNTED.	33" EXTERIOR 42" INTERIOR			
	FLOOR MOUNTED. PLUG-IN BUS DUCT SWITCH; SIZE AS INDICATED AND SPECIFIED.		SECURITY DEVICES			MOUNTED). XX INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF	84", CLNG	P	POWER POLE (DEVICES AS INDICATED)			GENERAL ELECTRIC	CAL NO
rL	VERIFY MOUNTING HEIGHT. METER/SOCKET ASSEMBLY; MOUNT TOP AT 72" AFF	XX S	SECURITY DEVICE. xx INDICATES THE FOLLOWING: CM CONTROL MODULE		SEH SE	FIRE ALARM SPEAKER/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF	84", CLNG	6	MOTOR, SEE MOTOR AND EQUIPMENT SCHEDULE			A. INSTALL CONCEALED CONDUIT WITH FLU	
	METER/SOCKET ASSEMBLT, MOUNT TOP AT 72 ATT		DC DOOR CONTACTS (MONITORING) EL ELECTRIC LOCK/LATCH ES ELECTRIC STRIKE GB GLASS BREAK DETECTOR		XX SFH SF	FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF	84", CLNG	 PT# FB# 	POKE-THROUGH (PT) OR FLOOR BOX (FB), FULLY RECESSED IN FLOOR. REFER TO POKE-THROUGH AND FLOOR BOX SCHEDULE.	FLR		UNLESS NOTED OTHERWISE. IN FINISHEI WALLS OR CEILINGS, PROVIDE SURFACE	D AREAS V E (WIREMO
	BRANCH CIRCUIT, FEEDER, AND RACEWAY		IR INFARED DETECTOR ML MAGNETIC LOCK REX REQUEST TO EXIT		F 🕞	FIREMAN PHONE JACK; MOUNT TOP 54" AFF PLUS OR MINUS 2".			WALL MOUNTED FURNITURE FEED.	18"		MATCH COLOR OF ADJACENT WALL OR C B. RACEWAYS SHALL CONTAIN A GROUNDIN C. CIRCUITS SUPPLYING LINE TO NEUTRAL	NG CONDU LOADS SH
	INDICATES CONDUIT ROUTED BELOW, IN FLOOR STRUCTURE, BELOW GRADE, OR AS NOTED.		XP EXIT PUSHBUTTON, MOUNT AT ADA HT		DFH	MAGNETIC DOOR HOLD-OPEN (WALL MOUNTED); MOUNT PER DWGS.		J P	CORD REEL / CORD AND PLUG SET - CEILING MOUNTED. SEE PLANS FOR MORE INFORMATION.			NEUTRALS, i.e. ONE NEUTRAL PER PHASE HAVE TRACER STRIPE ALONG ENTIRE LE PHASE.	
<u> </u>	GROUND	CR SH CRKSH	CR = CARD READER ROUGH-IN AT ADA HEIGHT CRK = CARD READER WITH INTEGRADED KEY PAD REFER TO DETAILS.	46"	FL [F]	SPRINKLER FLOW-SWITCH; MOUNT PER DWGS.			NURSE CALL DEVICES			D. BUILDING CONDUCTORS SHALL BE THWN UNDERGROUND CONDUIT OUTSIDE OF B	UILDINGS
	INDICATES CONDUIT IS SURFACE MOUNTED		DOOR RELEASE; MOUNT PER DWGS.	46"	F F	SPRINKLER TAMPER-SWITCH; MOUNT PER DWGS.						E. NUMBERS AT RECEPTACLES AND LIGHT I WITH PANELBOARD CIRCUIT NUMBERS A WIRING AND HOMERUNS ARE NOT SHOW	AS SCHEDU VN FOR CL
	INDICATES CONDUIT ROUTED CONCEALED ABOVE FLOOR OR GRADE (IN CEILING OR WALL)	<u>S</u> H V SH	VIDEO INTERCOM WITH INTEGRATED DOOR RELEASE; MOUNT WITH ACTIVATION BUTTON AT MAXIMUM 48" (BUTTON LOCATION VARIES BY DEVICE MANUFACTURER), WALL MOUNT, 1" CONDUIT TO ACCESSIBLE		€s-co €s-H	SMOKE DETECTOR-CEILING MOUNTED. S-CO = COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR S-H - COMBINATION SMOKE AND HEAT DETECTOR		x NH	NURSE CALL SYSTEM DEVICE. 4" SQUARE BOX WITH 3/4"C. BUSHED EMT TO ACCESSIBLE CEILING, UNO. x INDICATES THE FOLLOWING: A = STAFF ASSIST REQUEST	46"		RECORD DRAWING INFORMATION IS TO E COMPLETION. TYPICAL THROUGHOUT. F MATERIALS AND INSTALLATION REQUIRE	BE PROVIE REFER TO
0	INDICATES CONDUIT UP		CEILING. REFER TO DETAIL. I = INTERCOM; VI = VIDEO INTERCOM;		$(\widehat{H})_{\#^{\circ}}$	HEAT DETECTOR (RATE-OF-RISE); #° = FIXTED TEMPERATURE - CEILING MOUNTED.			B = CODE BLUE D = DUTY STATION, 3-GANG BOX E = EMERGENCY (PULLCORD)			F. REFER TO CONTRACT DOCUMENTS FOR PHASING OF THE CONTRACT.	SEQUENC
—— ●	INDICATES CONDUIT DOWN		KEYPAD; VERIFY MOUNTING HEIGHT WITH DWGS.	46"	SD ^(F)	DUCT SMOKE DETECTOR; MOUNT PER DWGS.			E1 = EMERGENCY (PUSHBUTTON) L = DOME LIGHT, ABOVE DOOR HEADER M = MASTER STATION, 1-GANG BELOW COUNTER TOP M1 = MASTER STATION WALL-MOUNTED, 3-GANG BOX			G. SWITCHES SHALL BE MOUNTED PER ADA OTHERWISE NOTED, RECEPTACLES AND FINISHED AREAS SHALL BE MOUNTED 18'	TELECOM
]	CONDUIT STUB - TERMINATION INDICATED BY NOTE		DURESS BUTTON MASTER CONTROL STATION	40"	l F	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE; MOUNT PER DWGS.			M1 = MASTER STATION WALL-MOUNTED, 3-GANG BOX P = PATIENT, 3-GANG BOX P1 = PATIENT W/ EXTRA JACK FOR PILLOW SPEAKER, 3-GANG BOX R = RELAY, 4-GANG BOX			FINISHED SPACES SHALL BE MOUNTED A COORDINATE RECEPTACLE MOUNTING H LOCATIONS, ARCHITECTURAL ELEVATION	AT 46" OR 4 IEIGHTS W
S			MOTION DETECTOR; ARROW INDICATES DIRECTION.		CM F	FIRE ALARM CONTROL MODULE; MOUNT PER DWGS.			S = STAFF RESPONDER, 3-GANG BOX T = TV, MOUNT SAME HEIGHT AS ADJACENT RECEPTACLE			H. CRITICAL DÉVICES / EQUIPMENT, INCLUD SECURITY, AND FIRE ALARM, AFFECT AS	DING TELEI
SL#	CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS, SEE SCHEDULE FOR QUANTITIES AND SIZES OF SLEEVES		(WALL OR CEILING MOUNTED).	46"	F/S F	FIRE/SMOKE DAMPER; MOUNT PER DWGS.			DOME LIGHT, CEILING MOUNTED.			WIDE. THESE SYSTEMS MUST REMAIN OF CONSTRUCTION. INDIVIDUAL DEVICES M RECONNECTED DURING CONSTRUCTION	IAY BE DIS
12"X4"	CABLE TRAY (WIDTH X DEPTH) INDICATES 1" CONDUIT, (3) NO. 4 AWG CONDUCTORS AND (1) NO. 3		INDICATOR LIGHT - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.					 	WANDERING PATIENT DEVICE; MOUNT PER DWGS.	42"		WITH OWNER. PROVIDE TEMPORARY PAI NECESSARY TO MAINTAIN CONTINUITY. F	NEL(S) AN
1"C,3#4+1#3G	GROUND WIRE SURFACE RACEWAY ASSEMBLY, PROVIDE AS SPECIFIED, UNLESS	US USH	SURVEILLANCE CAMERA. (WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE						xxx INDICATES THE FOLLOWING: KP = KEYPAD RX = RECIEVER			DAMAGE. I. THE BUILDING SHALL MAINTAIN POWER 1 PROCESS. COORDINATE ENERGIZATION	OF NEW E
	NOTED OTHERWISE.	изт из ————————————————————————————————————	CEILING). MULTI-LENS SURVEILLANCE CAMERA.					xx W	WANDER ALERT SENSOR; MOUNT ABOVE CEILING. xx INDICATES THE FOLLOWING: ML=MAG LOCK; DC= DOOR CONTACT.			CORRESPONDING RECONNECTION OF EX DISTRIBUTION EQUIPMENT. J. SEE RELATED PLUMBING AND HVAC DRA	XISTING AF
			(WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE CEILING).									EQUIPMENT REQUIRING ELECTRICAL COI INTERCONNECTION REQUIREMENTS WIT	NNECTION H EQUIPM
												K. WIRING FOR MISCELLANEOUS HVAC DEV DAMPER MOTORS, THERMOSTATS, DUCT FREEZESTATS, DIFFERENTIAL PRESSURE	T SMOKE D
												UNOCCUPIED SELECTOR SWITCHES, ALA	

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В

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< @ ' # 1P	ANGLE AT FEET INCHES NUMBER 1 POLE (2P, 3P, 4P, ETC.)
	AUTOMATIC DOOR ACTUATOR ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ARC FAULT CIRCUIT INTERRUPTER AIR HANDLING UNIT ALUMINUM ALTERNATE AMPLIFIER ANNUNCIATOR AQUASTAT
BATT BD BLDG BAS	BATTERY BOARD BUILDING BUILDING AUTOMATION SYSTEM

C CATV CB CCTV CKT CLG CMPR CONN CONT CONT CONTR CONV CP CT CTR CU
DCP
EX
FOL FS
HTR HV HWP
IC IG IMC

CONDUIT CABLE TELEVISION CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION CIRCUIT CEILING COMPRESSOR CONNECTION CONTINUATION OR CONTINUOUS CONTRACTOR CONVECTOR CIRCULATING PUMP CURRENT TRANSFORMER

CENTER COPPER DOMESTIC WATER CIRCULATING PUMP EXISTING TO REMAIN

FIBER OPTIC LINE FUSIBLE SWITCH

HEATER HIGH VOLTAGE HYDRONIC WATER PUMP INTERRUPTING CAPACITY ISOLATED GROUND

INTERMEDIATE METAL CONDUIT INCAND INCANDESCENT IR INFRARED I/W INTERLOCK WITH

1

J-BOX	JUNCTION BOX
KV KVA KVAR KW KWH	KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR
LOC LT LTG LTNG LV	LOCATE OR LOCATION LIGHT LIGHTING LIGHTNING LOW VOLTAGE
MAG.S M/C MCB MCC MDC MDP MFR MFS MLO MMS MOA	MAGNETIC STARTER MOMENTARY CONTACT MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN DISTRIBUTION CENTER MAIN DISTRIBUTION PANEL MANUFACTURER MAIN FUSED DISCONNECT SWITCH MAIN LUGS ONLY MANUAL MOTOR STARTER MULTIOUTLET ASSEMBLY
MSP	MOTOR STARTER PANELBOARD

MSBD

MT.C

MTS

MT

MANUAL TRANSFER SWITCH

MAIN SWITCHBOARD

EMPTY CONDUIT

MOUNT

MTR MOTOR, MOTORIZED

ELECTRICAL ABBREVIATIONS LIST

N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL
NEMA	
NFS NIC NL N.O. NPF NTS	NON-FUSED SAFETY S' NOT IN CONTRACT NEW LOCATION NORMALLY OPEN
OFE	OWNER FURNISHED EO
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PNL	PANEL

PR

PRI

PRV

PT

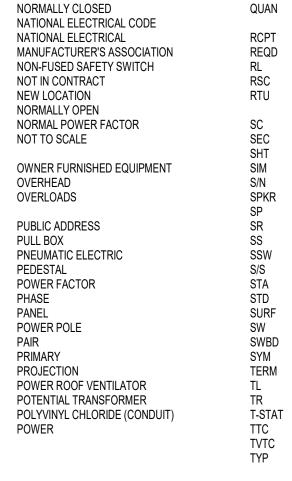
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POWER POLE PAIR PRIMARY PROJECTION PROJ POWER ROOF VENTILATOR POTENTIAL TRANSFORMER PVC POLYVINYL PWR POWER

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QUANTITY
RECEPTACLE REQUIRED RELOCATED RIGID STEEL CONDUIT ROOF TOP UNIT
SURFACE CONDUIT SECONDARY SHEET SIMILAR SOLID NEUTRAL SPEAKER SPARE SURFACE RACEWAY STAINLESS STEEL SELECTOR SWITCH STOP/START PUSHBUTTONS STATION STANDARD SURFACE MOUNTED SWITCH SWITCHBOARD SYMMETRICAL TERMINAL TWIST LOCK TAMPER RESISTANT THERMOSTAT TELEPHONE TERMINAL CABINET
TELEVISION TERMINAL CABINET TYPICAL

I.

UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UT	UNDERGROUND TELEPHONE
UV	UNIT VENTILATOR OR ULTRAVIOLI
V	VOLT
VA	VOLT-AMPERES
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WG	WIRE GUARD
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER

	WASH	CLOTHES WASHER
	DRY	CLOTHES DRYER
	DISH	DISHWASHER
DLET	DISP	UNDER SINK DISPOSE
	EWC	ELECTRIC WATER CC
	FLSH	SANITARY AUTOMATI
	FRZ	FREEZER
	GOGG	GOGGLES CABINET
	HAND	HAND DRYER
	HOOD	EXHAUST HOOD
	MWV	MICROWAVE
	REF	REFRIGERATOR
	RL	RELOCATE
	NL	NEW LOCATION

I.

UNDER SINK DISPOSER ELECTRIC WATER COOLER SANITARY AUTOMATIC FLUSH FREEZER GOGGLES CABINET HAND DRYER EXHAUST HOOD MICROWAVE

DEVICE ABBREVIATIONS:

REFRIGERATOR RELOCATE NEW LOCATION OVN ELECTRIC OVEN VEND VENDING MACHINE PRNT PRINTER

Version 5.2.23

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TES

- N WALLS AND CEILINGS ITH INACCESSIBLE LD) RACEWAY; PAINT TO CTOR.
- ALL HAVE DEDICATED _ CONDUCTORS SHALL CATING ASSOCIATED
- ONDUCTORS IN
- SHALL BE XHHW. CORRESPOND DIRECTLY ILED. BRANCH CIRCUIT ARITY. ACCURATE ED AT THE PROJECT SPECIFICATIONS FOR
- E OF CONSTRUCTION AND
- MENTS, 46" AFF. UNLESS MUNICATION OUTLETS IN EPTACLES IN UN-" ABOVE WORK SURFACE. ITH MILLWORK ASONRY COURSING.
- PHONE, COMPUTER, SYSTEMS BUILDING-AL DURING THE CONNECTED AND/OR NATE POWER OUTAGES D/OR CIRCUIT(S) AS/IF ROM PHYSICAL AND DUST
- OUT THE CONSTRUCTION QUIPMENT AND THE FECTED ELECTRICAL
- R LOCATION OF S. COORDINATE
- ENT SHOP DRAWINGS. CONTROLLERS SUCH AS ETECTORS, ES, OCCUPIED AND UNOCCUPIED SELECTOR SWITCHES, ALARM LIGHTS, ETC., NOT SHOWN ON ELECTRICAL DRAWINGS IS DIVISION 23 WORK.
- L. FIELD VERIFY EXISTING CONDITIONS. DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDS.
- M. MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL SYSTEMS ON THE SITE THAT ARE EXISTING TO REMAIN.
- N. PROVIDE ALL CONDUIT HOMERUNS AS 3/4"C. MIN. O. COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER.
- P. ALL CUTTING AND PATCHING FOR DIV. 26 WORK SHALL BE UNDER SUPERVISION AND APPROVAL OF ARCHITECT.
- Q. REMOVE AND/OR REINSTALL ELECTRICAL DEVICES IN ALL AREAS OF WORK AS REQUIRED AND REPLACE ANY ELECTRICAL DEVICES DAMAGED BY WORK. NOT ALL DEVICES MAY BE SHOWN ON DRAWINGS.
- R. PROVIDE ALL BOXES, FITTINGS, CONDUIT, WIRING, TERMINATIONS, EQUIPMENT, ETC, FOR A COMPLETE INSTALLATION.
- S. BRANCH 20A CIRCUIT CONDUCTORS SHOULD BE SIZED AS FOLLOWS:

120V CCT LENGTH	277V CCT LENGTH	AWG
< 75'	< 130'	12
75' - 120'	130' - 215'	10
120' - 200'	215' - 330'	8

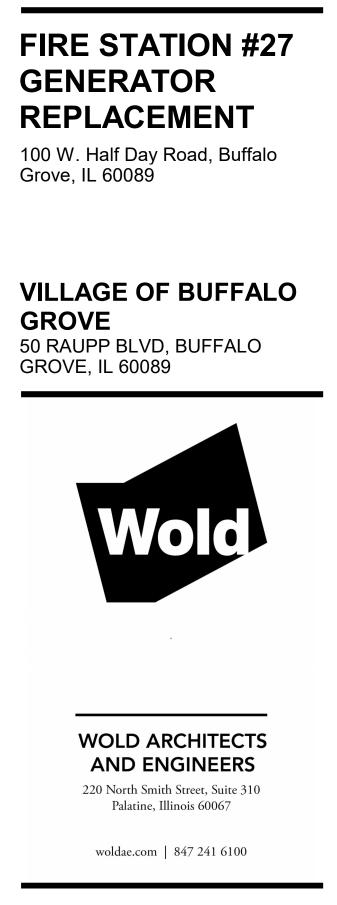
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ELECTRICAL DRAWINGS E0.00 ELECTRICAL SYMBOLS AND ABBREVIATIONS E1.00 ELECTRICAL PLANS AND DETAILS

8

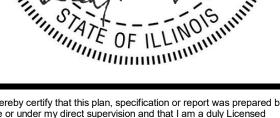
7

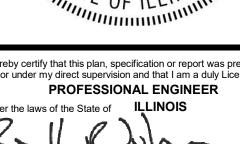




I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of **ILLINOIS**







BRADLEY R. JOHANNSEN 43936 Date 12/15/2 Date 12/15/2023

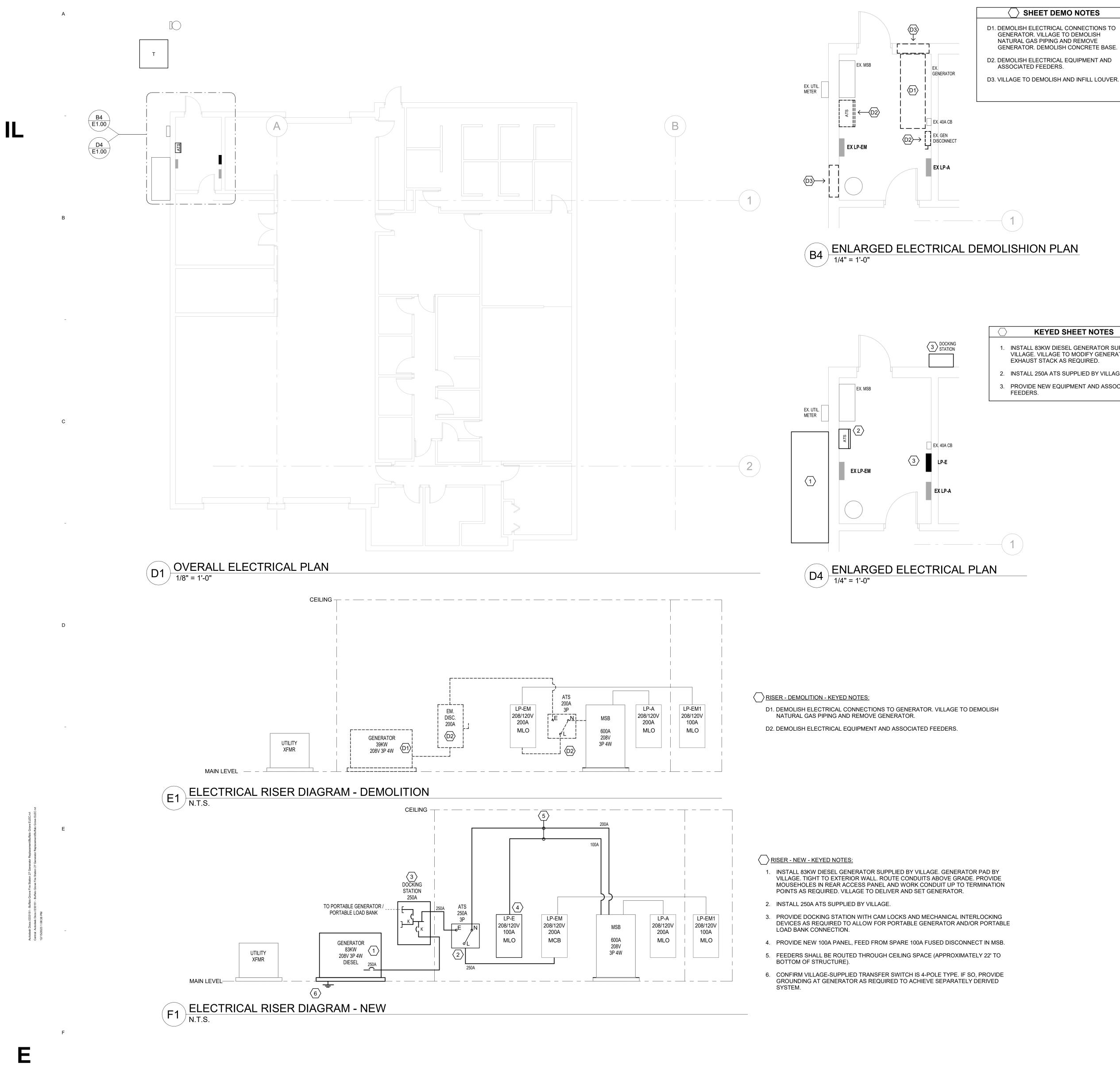
bord, License Number: Revisions

Comm: 233151 Date: 12/15/2023 Drawn: **D.SALAZAR**

Check: **B.JOHANNSEN** ELECTRICAL SYMBOLS AND **ABBREVIATIONS**

E0.00

Scale: As indicated



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> SHEET DEMO NOTES

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NATURAL GAS PIPING AND REMOVE GENERATOR. DEMOLISH CONCRETE BASE.

D3. VILLAGE TO DEMOLISH AND INFILL LOUVER.

		LOCATION: MOUNTING: SURFACE MAINS TYPE: MLO	D						LTAG A.F.C PECIA	·		-	/.3ø4\	N.			
		MAINS AMPS: 100A BUS AMPS: 100A FED FROM: MSB															
#	вт	LOAD DESCRIPTION	LT	BKR	Р	PH/ Ak	ASE (VA		ASE (VA		ASE (VA	Ρ	BKR	LT	LOAD DESCR	PTION B	т
1		SPARE		20 A	1	0.0	0.0					1	20 A		SPARE		
3		SPARE		20 A	1			0.0	0.0			1	20 A		SPARE		
5		SPARE		20 A	1					0.0	0.0	1	20 A		SPARE		
7		FUTURE EV CHARGING		40 A	2	0.0	0.0					1	20 A		SPARE		
9								0.0	0.0			1	20 A		SPARE		
11		FUTURE EV CHARGING		40 A	2					0.0	0.0	1	20 A		SPARE		
13						0.0	0.0					1	20 A		SPARE		
15		FUTURE EV CHARGING		40 A	2			0.0	0.0			1	20 A		SPARE		
17										0.0	0.0	1	20 A		SPARE		
19		FUTURE EV CHARGING		40 A	2	0.0	0.0					1	20 A		SPARE		
21								0.0	0.0			1	20 A		SPARE		
23		SPARE		20 A	3					0.0	0.0	1	20 A		SPARE		
25						0.0	0.0					1	20 A		SPARE		
27								0.0	0.0			1	20 A		SPARE		
29		SPARE		20 A	3					0.0	0.0	1	20 A		SPARE		
31						0.0	0.0					1	20 A		SPARE		
33								0.0	0.0			1	20 A		SPARE		
35		SPARE		20 A	1					0.0	0.0	1	20 A		SPARE		
37		SPARE		20 A	1	0.0	0.0					1	20 A		SPARE		+
39		SPARE		20 A	1			0.0	0.0			1	20 A		SPARE		
41		SPARE		20 A	1					0.0	0.0	1	20 A		SPARE		-
				TAL LO			κVA		kVA	0 k	VA						
				TAL AN	IPS:		A	L	A		A						
LUA	DCL	ASSIFICATION	CONNEC	IED		DEN	IAND)	E		ATED)			PANEL TOTAL	5	
														C	ONNECTED LOAD:	0 VA	
															TIMATED DEMAND:		
												_			ECTED CURRENT: EMAND CURRENT:		
														L31. D			

NOTES:

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KEYED SHEET NOTES

INSTALL 83KW DIESEL GENERATOR SUPPLIED BY VILLAGE. VILLAGE TO MODIFY GENERATOR EXHAUST STACK AS REQUIRED.

2. INSTALL 250A ATS SUPPLIED BY VILLAGE. 3. PROVIDE NEW EQUIPMENT AND ASSOCIATED

