ELECTRICAL GENERAL NOTES

- 1. ALL WORK SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE NOTED.
- 2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF FINISHED CONSTRUCTION PRIOR TO FABRICATION AND INSTALLATION OF FIXTURES AND EQUIPMENT.
- 3. MOUNTING HEIGHTS OF EQUIPMENT AND DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS. WHERE MOUNTING HEIGHTS ARE NOT GIVEN ON THE ARCHITECTURAL DRAWINGS, UTILIZE THE FOLLOWING MOUNTING HEIGHTS UNLESS OTHERWISE NOTED (ALL DIMENSIONS TO CENTERLINE OF BOX):
 - A. RECEPTACLES (WALL MOUNTED) 18 A.F.F.
- 4. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE TO MAKE HIMSELF AWARE OF EXISTING CONDITIONS BEFORE SUBMITTING HIS PRICE.
- 5. THE MINIMUM RATING OF DISCONNECT SWITCHES SHALL BE EQUAL TO OR GREATER THAN THE RATING OF THE PROTECTIVE DEVICE ON THE SUPPLY SIDE OF THE DISCONNECT SWITCH. ALL RATINGS OF DISCONNECT SWITCHES AND OR FUSES/ OVER-CURRENT DEVICES SHALL BE SIZED IN ACCORDANCE WITH CODE FOR THE LOADS SERVED PER DESIGN DRAWINGS.
- 6. NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS LINE VOLTAGE POWER WIRING.
- 7. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER.
 PROVIDE APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
- 8. AT ALL EMPTY CONDUITS PROVIDE BUSHINGS AT ENDS AND DRAG WIRES.
- 9. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSPECTION APPROVAL CERTIFICATE TO OWNER UPON COMPLETION OF WORK.
- 10. CIRCUIT ASSIGNMENTS FOR, RECEPTACLES, WIRING DEVICES, AND ELECTRICAL EQUIPMENT ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO THESE DEVICES / EQUIPMENT. PROVIDE CONDUITS, WIRES AND BOXES REQUIRED TO ENERGIZE THE EQUIPMENT AS SHOWN.
- 11. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. CIRCUIT NUMBERS ARE INTENDED TO BE USED FOR QUANTITIES AND FOR DESIGNATING WHAT OUTLETS (FIXTURES, EQUIPMENT, ETC.) WILL BE ON THE SAME CIRCUIT. CONTRACTOR SHALL REARRANGE CIRCUITS PER FIELD CONDITIONS SO THAT LOAD VALUES FOR EACH PHASE DO NOT EXCEED CODE REQUIREMENTS AND TO BALANCE THE LOADS AT THE PANELS PER SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS WITH PROPER PHASE SEQUENCES FOR EVERY REQUIRED NEUTRAL WIRE THAT IS SHARED. ELECTRICAL CONTRACTOR SHALL DOCUMENT ALL AFFECTED CIRCUITS, LABEL EACH OUTLET COVER WITH ACTURAL PANEL DESIGNATION AND CIRCUIT NUMBER, AND PROVIDE AS-BUILT PANEL DIRECTORIES AND DRAWINGS PER SPECIFICATIONS.
- 12. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, LOCAL BUILDING CODE AND BUILDING MANAGEMENT RULES AND REGULATIONS.
- 13. 3/4" (21mm) SHALL BE THE MINIMUM CONDUIT INSTALLED.

A, AMP	AMPERE	EMT	ELECTRICAL METAL TUBING	N	NEUTRAL
ADA	AMERICANS WITH DISABILITIES	FACP	FIRE ALARM CONTROL PANEL	NC	NORMALLY CLOSED
ACT		FBO	FURNISH BY OTHER DIVISION OF	NO	NUMBER
AF	AMPERE FRAME	WORK		NTS	NOT TO SCALE
AFF	ABOVE FINISH FLOOR	FCO	FUSE CUTOUT BOX	OL	OVERLOAD DEVICE
AHJ	AUTHORITY HAVING JURISDICTION	FCS	FIRE COMMAND STATION	OFCI	OWNER FURNISHED CONTRACTOR
AIC	AMPS INTERRUPTING CAPACITY	FSD	FIRE SMOKE DAMPER		INSTALLED
AT	AMPERE TRIP	FU	FUSE	Р	POLE
ATS	AUTOMATIC TRANSFER SWITCH	FL	FLOOR	PNL	PANEL
AWG	AMERICAN WIRE GAUGE	FLEX	FLEXIBLE	Ø	PHASE
BLDG	BUILDING	FT	FEET OR FOOT	RA	RETURN AIR
BMS	BUILDING MANAGEMENT SYSTEM	GA	GAUGE	RG, RAG	RETURN AIR GRILLE
C	CONDUIT	G, GRD	GROUND	SN	SOLID NEUTRAL
CAT	CATALOG	GC	GENERAL CONTRACTOR	SPCP	STAIR PRESSURIZATION SYSTEM
СВ	CIRCUIT BREAKER	GFI	GROUND FAULT INTERRUPTER		CONTROL PANEL
CD	CANDELA	HID	HIGH INTENSITY DISCHARGE	STP	STAIR PRESSURIZATION
CFSD	COMBINATION FIRE/SMOKE	HP	HORSEPOWER	SW	SWITCH
DAMPER		HVAC	HEATING, VENTILATING & AIR	SWBD	SWITCHBOARD
CKT	CIRCUIT		CONDITIONING DIVISION ON WORK	TEL	TELEPHONE
CLG	CEILING	HZ	HERTZ	TYP	TYPICAL
CO	CONDUIT ONLY	IC	INTERRUPTING CAPACITY	UON	UNLESS OTHERWISE NOTED
CU	COPPER	JB	JUNCTION BOX	UL	UNDERWRITERS LABORATORIES
DACS	DIGITAL ALARM COMMUNICATION	LEMCS	LOCAL EMERGENCY CONTROL	UV	ULTRAVIOLET
SYSTEM		SYSTEM		VESDA	VERY EARLY SMOKE DETECTION
DACT	DIGITAL ALARM COMMUNICATION	LTG	LIGHTING		APPARATUS
	TERMINAL	MCB	MAIN CIRCUIT BREAKER	V	VOLTAGE
DGP	DATA GATHERING PANEL	MECH	MECHANICAL	VDC	DIRECT CURRENT VOLTAGE
DIFF	DIFFERENTIAL	MER	MECHANICAL EQUIPMENT ROOM	VFD	VARIABLE FREQUENCY DRIVE
DISC	DISCONNECT	MIN	MINIMUM	WP	WEATHER PROOF
DN	DOWN	MLO	MAIN LUGS ONLY		
DWG	DRAWING	MTD	MOUNTED		
ELEC	ELECTRICAL				

POWER AND SIGNAL DEVICE LEGEND

ELEVATOR MACHINE ROOM

SYMBOL	DESCRIPTION
Ф 🖶	UON, 20A, 125V, 2P, 3W, GROUNDED WALL MOUNTED DUPLEX AND DOUBLE DUPLEX RECEPTACLES, NEMA 5-20R. (COLOR PER ARCHITECT). ALL OUTLETS SHALL BE LABELED WITH ITS SOURCE PANEL AND BREAKER # ID. "WP" - INDICATES WEATHERPROOF (TYP FOR WIRING DEVICES) "C" - INDICATES COUNTER HEIGHT (TYP FOR WIRING DEVICES)
P #	SHADING FOR DUPLEX OR DOUBLE DUPLEX PER ABOVE INDICATES DEDICATED CIRCUIT
P	UON, 20A, 125V, 2P, 3W, GROUNDED WALL MOUNTED DUPLEX AND DOUBLE DUPLEX RECEPTACLES WITH GROUND FAULT CIRCUIT INTERRUPTER, NEMA 5-20R. WEATHER PROOF (COLOR PER ARCHITECT). ALL OUTLETS SHALL BE LABELED WITH ITS SOURCE PANEL AND BREAKER # ID.
0	ELECTRICAL JUNCTION BOX FOR HARDWIRED EQUIPMENT. (2) INDICATES DOUBLE-GANG BOX. (F) INDICATES FLOOR RECESSED. (CE) INDICATES CEILING RECESSED. (AFC) INDICATES ABOVE FINISHED CEILING, SURFACE MTD.
-	SURFACE MOUNTED PANELBOARD - SOLID INDICATES NEW, UNSHADED/DASHED INDICATES EXISTING
T	DRY TYPE TRANSFORMER - SIZE AS INDICATED ON THE DRAWINGS
M	ELECTRICAL METER OR SUB-METER AS IDENTIFIED ON THE DRAWINGS
1 CKT PNL-(#) 2 CKT PNL-(#),(#) 3 CKT PNL-(#),(#),(#),(#),(#),(#),(#),(#),(#),(#),	ONE, TWO, OR THREE HOME RUNS TO ELECTRICAL PANEL 'PNL' - INDICATED PANEL NAME """ - INDICATES CIRCUIT NUMBER, U.O.N.
₽ G₽	GROUND BAR

ONE LINE/RISER DIAGRAM LEGEND

SYMBOL	DESCRIPTION
l 	CIRCUIT BREAKER "##A" - INDICATES AMPERAGE RATING "#P" - INDICATES NUMBER OF POLES
##AS ##AF	FUSED DISCONNECT SWITCH "##AS" - INDICATES SWITCH SIZE "##AF" - INDICATES FUSE SIZE
#A/#P	NON-FUSED DISCONNECT SWITCH "#A" - INDICATES SWITCH SIZE "#P" - INDICATES NUMBER OF POLES
480A OR 600V 120Y/208V	TRANSFORMER, 480V INDICATES PRIMARY VOLTAGE, 120/208V INDICATES SECONDARY VOLTAGE
긭	GROUNDING CONNECTION
PANEL PP1	PANELBOARD - REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION



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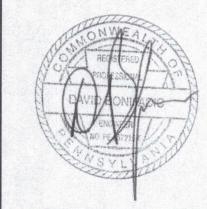


Job Name:

WAWA #0157 NORTH WALES

593 DEKALB PIKE. -EV NORTH WALES,PA 19454

SHEET DESCRIPTION:
ELECTRICAL SYMBOLS,
& ABBREVIATIONS
& GENERAL NOTES



Project #: P17773

File:

Drawn by: KC

Date(s): 07/25/2022

2022.08.08 - ISSUED FOR PERMIT

2022.07.25 - DD100 PRELIMINARY DESIGN

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