ELECTRICAL LEGEND

#	DRAWING NOTE (APPLIES TO THIS DRAWING ONLY)
	RACEWAY - 2 #12, 1 #12 GW IN 3/4" CONDUIT, U.O.N.
	HOMERUN TO PANELBOARD - ARROWS INDICATE NUMBER OF CIRCUITS SLASHES INDICATE CIRCUIT CONDUCTORS NO SLASH INDICATES TWO CIRCUIT CONDUCTORS PROVIDE GROUNDING CONDUCTOR, NOT SHOWN
	INDICATES TWO SWITCHED LEVELS OF ILLUMINATION PROVIDED BY THIS FIXTURE
	CONNECT TWO OUTBOARD LAMPS TO ONE SWITCH
	CONNECT REMAINING LAMP(S) TO SECOND SWITCH (DARKENED AREA INDICATES CONNECTION TO EMERGENCY LIGHTING CIRCUIT)
A	UPPER CASE - FIXTURE TYPE (TYPICAL FOR ALL LIGHTING FIXTURES) - SEE LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE: DOWNLIGHT, 2' x 4' & 2' x 2'
a	LOWER CASE - INDICATES CONTROLLING SWITCH(ES) (TYPICAL FOR ALL LIGHTING FIXTURES)
	FLUORESCENT LIGHTING FIXTURE
	FLUORESCENT LIGHTING FIXTURE, INDUSTRIAL TYPE
	LIGHTING FIXTURE ON EMERGENCY CIRCUIT / BATTERY BACKUP
	LIGHTING FIXTURE, WALL MOUNTED - SEE LIGHTING FIXTURE SCHEDULE
	EXIT LIGHT - DARKENED SECTION INDICATES FACE WITH DIRECTIONAL ARROWS AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE
S_a	SINGLE POLE TOGGLE SWITCH - SUBSCRIPT INDICATES FIXTURES CONTROLLED BY THE SWITCH (TYPICAL FOR ALL LIGHTING SWITCHES), 48" A.F.F., U.O.N.: 3 - THREE WAY TOGGLE SWITCH, 4 - FOUR WAY TOGGLE SWITCH, OS - WALL MTD. OCCUPANCY SENSOR, WP - WEATHERPROOF
J	JUNCTION BOX: CEILING, WALL OR FLUSH-FLOOR MOUNTED
GFCI WP	DUPLEX RECEPTACLE - 2P, 3W, 20A, 125V, NEMA 5-20R IN RECESSED OUTLET BOX, 18" A.F.F., U.O.N.: "x" NUMERIC DENOTES MOUNTING HEIGHT. WP - WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF WHILE - IN - USE COVER GFCI - GROUND FAULT CIRCUIT INTERRUPTER
	DUPLEX RECEPTACLE - 2P, 3W, 20A, 125V, NEMA 5-20R IN SURFACE OUTLET BOX, SURFACE MOUNTED, 18" A.F.F., U.O.N.
	SIMPLEX RECEPTACLE - 2P, 3W, 20A, 125V, NEMA 5-20R IN SURFACE OUTLET BOX, SURFACE MOUNTED, 18" A.F.F., U.O.N.
	EXIT LIGHT - DARKENED SECTION INDICATES FACE WITH DIRECTIONAL ARROWS AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE
	SELF-CONTAINED, BATTERY POWERED EMERGENCY LIGHT WITH TWIN LAMPHEAD. SEE LIGHTING FIXTURE SCHEDULE
	PANELBOARD, RECESSED OR SURFACE MOUNTED
	ELECTRICAL MOTOR
S_M	MOTOR SWITCH WITH THERMAL OVERLOAD
	COMBINATION MAGNETIC MOTOR STARTER WITH MCP OR FUSIBLE DISCONNECT SWITCH
	MAGNETIC MOTOR CONTROLLER/STARTER
100/80	FUSED/NONFUSED DISCONNECT SWITCH, NUMERAL INDICATES SIZE
ECB	ENCLOSED CIRCUIT BREAKER
15	FIRE ALARM VISUAL DEVICE, SUBSCRIPT DENOTES CANDELA RATING, 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
15	FIRE ALARM SPEAKER WITH VISUAL DEVICE, SUBSCRIPT DENOTES CANDELA RATING, 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
	FIRE ALARM MANUAL STATION, 48" A.F.F., U.O.N.
	FIRE ALARM HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FAP	FIRE ALARM ANNUNCIATOR PANEL
FBP	FIRE ALARM BOOSTER PANEL
	SPRINKLER VALVE POSITION (TAMPER) SWITCH
	SPRINKLER FLOW SWITCH
E	SMOKE DETECTOR: E-ELEVATOR
90A	LOW VOLTAGE MOLDED CASE CIRCUIT BREAKER, RATING AS INDICATED, SEE SCHEDULE FOR TYPE AND ACCESSORIES
T	TRANSFORMER, TYPE AS NOTED ON DRAWING
	DETAIL, SECTION OR ELEVATION NUMBER DRAWING NUMBER
CM	FIRE ALARM CONTROL MODULE, ADDRESSABLE
MM	FIRE ALARM MONITORING MODULE, ADDRESSABLE
	COMBINATION TELEPHONE/DATA OUTLET. PROVIDE EMPTY JUNCTION BOX WITH SINGLE GANG EXTENSION WITH 1" CONDUIT FROM BOX TO ACCESSIBLE CEILING SPACE WITH PULL STRING. CABLE, JACKS AND FACEPLATES PROVIDED BY OTHERS.

NOTE:

SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT.

ELECTRICAL ABBREVIATIONS

A	AMPERE
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ANSI	AMERICAN NAT'L STANDARDS INSTIT.
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT
CLG	CEILING
CU	COPPER
DN	DOWN
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
F	FUSED OR FUSIBLE
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GW	GROUND WIRE
GND	GROUND
HP	HORSEPOWER
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERE
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MT HT	MOUNTING HEIGHT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUF. ASSOC.
NF	NON-FUSED
NFSS	NON-FUSED SAFETY SWITCH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PH or ∅	PHASE
P	POLE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WIRE
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LENS/ LOUVER	MOUNTING	VOLTS	LAMP DATA NO.	LAMP DATA WATTS	LAMP DATA CODE	MANUFACTURER & CATALOG NO.	NOTES
A	NEMA 4 RATED 4' LINEAR INDUSTRIAL LIGHTING	POLYCARB	WS	120/277	1	32	F32 T8	LITHONIA LIGHTING # VSLC-1-32-MVOLT-GEB10IS	
B	INDUSTRIAL FLOURESCENT FIXTURE WITH WIREGAURD	-	CS	120/277	2	32	F32 T8	LITHONIA LIGHTING # AF-2-32-MVOLT-GEB10IS	
⊠	EXIT SIGN	-	-	MVOLT	-	-	LED	LITHONIA LIGHTING # LV-S-W-X-R-120/277-ELN	1 2
	EMERGENCY LIGHT, NICKEL CADMIUM BATTERY	-	-	120/277V	-	-	LED	LITHONIA LIGHTING # ELT36-120/277-W-N	

MOUNTING:
CS - CEILING, SURFACE
CR - CEILING, RECESSED, ACT
CC# - CEILING, SUSPENDED, # FEET A.F.F.
CG - CEILING, RECESSED, GYPSUM BD.
WS# - WALL MTD., SURFACE, # FEET A.F.F.
WR# - WALL, RECESSED, # FEET A.F.F.
UC - UNDER CABINET

LIGHTING FIXTURE NOTES:

1 MOUNTING AS INDICATED ON DRAWINGS.

2 PROVIDE MOUNTING TYPES, DIRECTIONAL ARROWS AND FACE QUANTITIES (SINGLE / DOUBLE) AS INDICATED ON DRAWING. COORDINATE LETTERING COLOR OF THE EXIT SIGN WITH AUTHORITY HAVING JURISDICTION.

GENERAL NOTES:

1. PATCH AND SEAL ALL REMAINING OPENINGS THROUGH FLOORS AND WALLS RESULTING FROM DEMOLITION OR NEW WORK WITH MATERIALS AND FINISHES TO MATCH EXISTING CONSTRUCTION AND TO MAINTAIN FIRE RATING.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM NAME LIST.
3. REFER TO MECHANICAL PLANS FOR EXACT MECHANICAL EQUIPMENT LOCATION & ELECTRICAL CONNECTION REQUIREMENTS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
5. CIRCUIT NUMBERS INDICATED ARE FOR CLARIFICATION OF GROUPING ONLY. ADJUST CIRCUIT NUMBERS TO COORDINATE WITH ACTUAL CIRCUIT BREAKERS USED.
6. PROVIDE TYPED PANEL SCHEDULES FOR ALL NEW PANELBOARDS.
7. CONTRACTOR SHALL STORE AND PROTECT ALL EQUIPMENT, CONDUCTORS, AND CONNECTIONS TO BE RELOCATED, RECONNECTED, OR RE-INSTALLED.
8. PLAN AND EXECUTE WORK TO MINIMIZE OUTAGES. NOTIFY OWNER AND OBTAIN WRITTEN AUTHORIZATION OF ANY WORK REQUIRING AN OUTAGE MINIMUM 2 WEEKS PRIOR TO PLANNED OUTAGE.

BID DOCUMENTS

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Revisions | Date

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Drawing Title: ELECTRICAL LEGEND, ABBREVIATIONS AND FIXTURE SCHEDULE

Project Title: REPLACE BUILDING 9 ELEVATORS

Date: 26, September 2014

Project No.: 542-08-110

Approved: Chief Engineering Services

Approved: Medical Center Director

Building Number: 9

Checked: RAM

Drawn: QA

Location: COATESVILLE, PENNSYLVANIA

DRAWING NO. E001

Dwg. - Of xx

DEPARTMENT OF VETERANS AFFAIRS

BKM# 120540.010