GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH VA STANDARDS AND DESIGN GUIDES AND ALL OTHER APPLICABLE FEDERAL CRITERIA.
2. ALL ELECTRICAL, COMMUNICATIONS, AND SECURITY EQUIPMENT SHOWN ON THE DRAWINGS AND /OR REQUIRED FOR THE FULL INTEGRITY OF THIS CONTRACT SHALL BE FURNISHED, INSTALLED AND CONNECTED BY THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THE COMPLETE SATISFACTORY OPERATION OF ALL SYSTEMS SHOWN ON THE ELECTRICAL DRAWINGS.
3. CONTRACTOR SHALL PROVIDE THE NECESSARY MATERIALS, LABOR AND ATTENDANCE FOR THE OPERATION OF TEMPORARY LIGHT AND CONSTRUCTION POWER AS REQUIRED DURING WORKING HOURS FOR THE ENTIRE CONSTRUCTION PERIOD.
4. CONTRACTOR SHALL MAINTAIN CONTINUOUS SERVICE ON FEEDERS SERVING THE AREAS AFFECTED DURING THE ENTIRE CONSTRUCTION PERIOD. NO OUTAGES WILL BE PERMITTED IN THESE AREAS DUE TO THE CONSTRUCTION EXCEPT WITH WRITTEN PERMISSION OF THE COTR. ALL WORK REQUIRING TEMPORARY SHUTDOWN SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE GOVERNMENT. ANY APPROVAL FOR SHUTDOWNS SHALL BE OBTAINED FROM THE COTR IN WRITING 48 (FORTY EIGHT) HOURS IN ADVANCE.
5. ARCHITECTURAL FEATURES AS WELL AS MECHANICAL EQUIPMENT SHOWN ON ELECTRICAL DRAWINGS ARE FOR BACKGROUND INFORMATION ONLY. REFER TO MECHANICAL DRAWINGS FOR ACCURATE MECHANICAL EQUIPMENT LOCATIONS.
6. ALL CONDUIT RUNS IN THIS CONTRACT ARE DIAGRAMMATIC. LOCATION OF EQUIPMENT AND RUNS MAY VARY DUE TO PHYSICAL CONDITIONS. THE WORK SHALL INCLUDE ALL REQUIRED OUTLET & JUNCTION BOXES TO COMPLETE THE CONDUIT INSTALLATION. CONTRACTOR SHALL INSTALL EQUIPMENT AND CONDUITS IN A MANNER TO MINIMIZE ANY INTERFERENCE WITH OTHER CONTRACTS OR TRADES.
7. UNLESS OTHERWISE NOTED, PULL AND JUNCTION BOXES, WHERE INDICATED ON DRAWINGS, SHALL BE CONSIDERED SHOWN AT THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL LOCATE, AS FIELD CONDITIONS DICTATE, ADDITIONAL PULL AND JUNCTION BOXES WHERE REQUIRED BY APPLICABLE CODE PROVISIONS OR TO SUIT FIELD CONDITIONS.
8. CONTRACTOR SHALL INSTALL ALL WIRING AND CONDUIT, JUNCTION/PULL BOXES CONCEALED IN THE WALL OR ABOVE CEILING. SWITCHES SHALL BE RECESSED IN THE WALL.
9. ALL EXPOSED JUNCTION BOXES SHALL BE DUST PROOF CAST BOXES WITH KNOCKOUTS AS NEEDED. COVERS SHALL BE WITH TAMPER PROOF SCREWS.
10. MINIMUM SIZE OF RACEWAY, FOR POWER AND LIGHTING CIRCUITS, SHALL BE 3/4" IMC CONDUIT, UNLESS OTHERWISE NOTED. RGS CONDUIT SHALL BE USED FOR OUTSIDE INSTALLATIONS. PROVIDE FLEXIBLE SEALTITE CONDUIT FOR FINAL CONNECTIONS TO MOTORS. ALL WIRING SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.
11. MINIMUM WIRE SIZE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG, COPPER, 600V INSULATION TYPE THHW/THHN, UNLESS OTHERWISE NOTED.
12. CONTRACTOR IS RESPONSIBLE FOR ALL LUG KITS/COPPER BUS DETAILS AS REQUIRED FOR OVER SIZED FEEDERS. LUGS SHALL BE COPPER-PRESSURE PLATE TYPE, UP TO NO. 6 AWG AND COMPRESSION TYPE FOR LARGER SIZE CONDUCTOR.
13. THE EXPOSED NONCURRENT-CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT AND RACEWAYS SHALL BE GROUNDED. THE CONTRACTOR SHALL ENSURE CONTINUITY OF THE GROUNDING CIRCUIT THROUGH THIS GROUNDING CONDUCTOR FROM THE SUPPLYING PANELBOARD GROUNDING BUS TO THE LOAD GROUND TERMINAL. THE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
14. CONTRACTOR SHALL COORDINATE ALL NEW WORK WITH EXISTING EQUIPMENT IN THE FIELD.
15. MAINTAIN EXISTING FIRE ALARM, DETECTION AND COMMUNICATION SYSTEMS OPERATIONAL AND IN SERVICE.
16. UPDATE EXISTING CIRCUIT DIRECTORIES TO REFLECT NEW CIRCUITING IN EXISTING PANELBOARDS AFFECTED BY THIS ALTERATION.
17. ABANDONED OUTLETS SHALL BE REMOVED, COMPLETE WITH ALL WIRING AND CONDUIT UNLESS NOTED OTHERWISE.
18. UPON COMPLETION OF ALL ELECTRICAL, COMMUNICATIONS, AND SECURITY WORK, ADJUST AND TEST EQUIPMENT, INCLUDING ALL CIRCUITS, DEVICES, COMPONENTS, OUTLETS, SWITCHES, DISCONNECTS, SPEAKERS, LIGHTING CONTROL SYSTEMS, AND ANY OTHER ELECTRICAL ITEMS INSTALLED. ANY DEFECTIVE ITEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH NEW AND THAT PORTION OF THE SYSTEM SHALL BE RE-TESTED. ALL SUCH REMEDIAL WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE GOVERNMENT.
19. SUBMIT ALL SHOP DRAWINGS FOR GOVERNMENT APPROVAL PRIOR TO ORDERING OF ANY EQUIPMENT.
20. AFTER COMPLETION OF WORK, CLEAN UP ALL RESULTANT DEBRIS AND REMOVE FROM THE SITE.
21. ALL DEVICE COVER PLATES (DISCONNECT SWITCHES , LIGHT SWITCHES, AND RECEPTACLES) SHALL BE LABELED WITH PANEL NAME, CIRCUIT NUMBER, AND VOLTAGE TO MATCH EXISTING STANDARD AS PRESENTLY USED.
22. ALL RECEPTACLES SHALL BE HOSPITAL GRADE. ALL RECEPTACLES AND DATA OUTLET SHALL BE MOUNTED 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
23. SEE DRAWING T1 FOR ADDITIONAL GENERAL NOTES.
24. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY CONDUIT AND WIRE FOR ALL EXISTING SYSTEMS/COMPONENTS BEING RELOCATED AS SHOWN.

GENERAL ELECTRICAL DEMOLITION NOTES

1. PRIOR TO START OF DEMOLITION, INSPECT AREAS IN WHICH WORK WILL BE PERFORMED. NOTE EXISTING CONDITIONS OF STRUCTURE SURFACES, EQUIPMENT, OR SURROUNDING PROPERTY THAT COULD BE MISCONSTRUED AS DAMAGE RESULTING FROM SELECTIVE DEMOLITION WORK.
2. CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE COTR.
3. ALL WORK PERFORMED SHALL BE IN COMPLIANCE WITH THE REGULATIONS AND GUIDELINES SET FORTH BY V.A. STANDARDS AND OTHER APPLICABLE FEDERAL CRITERIA.
4. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
5. DEMOLITION AND REMOVAL WORK SHALL BE EXECUTED WITH CARE AND PERFORMED BY COMPETENT EXPERIENCED WORKMEN FOR THE VARIOUS TYPES OF DEMOLITION AND REMOVAL WORK. THE WORK SHALL BE CARRIED OUT THROUGH TO COMPLETION WITH DUE REGARD TO THE SAFETY OF EMPLOYEES AND WORKMEN ON SITE.
6. UNLESS NOTED OTHERWISE ALL DEMOLISHED EQUIPMENT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE IN A TIMELY FASHION. ALL EQUIPMENT MARKED BY THE COTR TO REMAIN SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR AND TURNED OVER TO THE GOVERNMENT.
7. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR AND/OR REPLACE ANY ITEM OR CONSTRUCTION DAMAGED DURING THE COURSE OF WORK AT NO ADDITIONAL COST TO THE GOVERNMENT.
8. ALL DEMOLITION ACTIVITIES, CUTTING AND PATCHING REQUIRED IN CONNECTION WITH THE WORK SHALL BE PERFORMED BY MECHANICS OF THE SPECIFIC TRADE INVOLVED AND AS REQUIRED TO EXECUTE EACH LINE OF WORK. ALL PATCHING SHALL BE FINISHED TO MATCH ADJACENT SURFACES EITHER NEW OR EXISTING TO REMAIN.
9. AFTER COMPLETION OF WORK, CLEAN UP ALL RESULTANT DEBRIS AND REMOVE FROM THE SITE.
10. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ADJACENT OCCUPIED AND USED FACILITIES.
11. IN PERFORMANCE OF THE DEMOLITION WORK, THE CONTRACTOR SHALL PROVIDE PROTECTION OF ADJACENT AREAS AND OF EXISTING EQUIPMENT.
12. THE CONTRACTOR SHALL PROCEED WITH THE DEMOLITION AND REMOVAL OF EQUIPMENT IN A SEQUENCE DESIGNED TO COORDINATE WITH OTHER TRADES AND MAINTAIN THE EXISTING FACILITY OPERATION AS MUCH AS PRACTICAL. THE CONTRACTOR SHALL NOTIFY COTR 48 HOURS BEFORE PROCEEDING WITH REMOVALS AND DEMOLITION WORK. WORK SHALL BEGIN AFTER COTR APPROVAL.
13. DEMOLITION WORK SHALL BE PERFORMED TO REMOVE CONDUIT, WIRE, DEVICES, EQUIPMENT, ETC. IN SUPPORT OF NEW WORK AND REMOVE ANY OLD SYSTEMS NO LONGER IN USE.

SYMBOL LIST

- DASHED OR LIGHT LINES DENOTE EXISTING EQUIPMENT. SEE ADDITIONAL INSTRUCTION FOR REMOVAL/RELOCATION OR TO REMAIN
- HEAVY LINES DENOTE NEW INSTALLATION
- 3/4" CONDUIT WITH 2#12 AWG COPPER WIRES, UON
- LP — LIGHTNING PROTECTION WIRE ROPE
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- PP/15 — HOMERUN, AS DESIGNATED ON DRAWING
- 2'X4' LIGHTING FIXTURE (FLUORESCENT)
- 2'X2' LIGHTING FIXTURE (FLUORESCENT)
- 1'X1' HID CANOPY FIXTURE (HID)
- 1'X4' LIGHTING FIXTURE (FLUORESCENT)
- $ — SINGLE-POLE SWITCH
- $3 — 3-WAY SWITCH
- IR — INFRA-RED INTRUSION SENSOR
- DUPLEX CONVENIENCE RECEPTACLE, 125V, 20A
- GFI — DUPLEX CONVENIENCE RECEPTACLE, GROUND FAULT INTERRUPTER, 125V, 20A
- BATTERY CHARGING RECEPTACLE - 125V, 50A NEMA 3R ENCLOSURE (NEMA 15-50R)
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE (QUAD), 125V, 20A
- TELEPHONE AND DATA OUTLET (2 DATA, 1 VOICE, 1 SPARE)
- CCTV CAMERA
- MP — MOTORIZED ROLL-UP DOOR
- UNFUSED DISCONNECT SWITCH, 30A, 2P UON (240VAC RATED)
- PANEL 208Y/120V, 3ø, 4W (SURFACE MOUNTED - EXISTING)
- PANEL 208Y/120V, 3ø, 4W (FLUSH MOUNTED - EXISTING)
- F — FIRE ALARM MANUAL PULL STATION
- FS — CEILING MOUNTED FIRE ALARM SPEAKER/ NOTIFICATION DEVICE
- S — CEILING MOUNTED STROBE
- HS — FIRE ALARM HORN/STROBE UNIT
- H — FIRE ALARM NOTIFICATION DEVICE
- SD — FIRE ALARM SMOKE DETECTOR
- S — SPEAKER (P.A. SYSTEM)(RECESSED MOUNTED)
- S — SPEAKER (P.A. SYSTEM)(SUSPENDED MOUNTED)
- TC — TRASH COMPACTOR CONTROLLER
- SC — SECURITY CONTROLLER CABINET
- PIR — PASSIVE INFRARED - INTRUSION DETECTION SENSOR
- H — HORN ALARM
- SA — SILENT ALARM
- PB — PUSH BUTTON CONTROLLER
- CS — CARD SWIPE
- P — PHONE
- PH — EXISTING TELEPHONE IN NEMA 4X ENCLOSURE
- HC — HEATER CURTAINS
- MJ — MICROPHONE JACK
- SPLIT SYSTEM HEAT PUMP WITH DISCONNECT SWITCH
- UH — UNIT HEATER
- EXIT SIGN
- 1 — KEY NOTE
- MD — ELECTRO-MAGNETIC DOOR CLOSER/HOLDER
- INDICATES DEMOLITION OR REMOVALS TO BE RELOCATED

ABBREVIATIONS

A, AMPS	AMPERES
ABB	ABBREVIATIONS
A.F.F.	ABOVE FINISHED FLOOR
AC	AIR CONDITIONER
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING(S)
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COTR	CONTRACTING OFFICER TECHNICAL REPRESENTATIVE
DWG	DRAWING
E	ELECTRICAL
EF	EXHAUST FAN
ER	EXISTING TO BE RELOCATED
ETC.	ET CETERA
EX	EXISTING TO REMAIN
EMT	ELECTRICAL METALLIC TUBING
F/A	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
G, GND	GROUND
HP	HORSEPOWER
IC	INTERRUPTING CAPACITY
IMC	INTERMEDIATE METAL CONDUIT
IRH	INFRA-RED HEATER
JBX	JUNCTION BOX
KS	KEY SWITCH
KVA	KILO VOLT AMP
LED	LIGHT EMITTING DIODE
LLC	LIMITED LIABILITY COMPANY
MCB	MAIN CIRCUIT BREAKER
MECH.	MECHANICAL EQUIPMENT
MIN	MINIMUM
MLO	MAIN LUG ONLY
MTG	MOUNTING
MVOLT	MULTI-VOLT
MUA	MAKE-UP AIR UNIT
N	NEUTRAL (GROUNDED CIRCUIT CONDUCTOR)
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
No.	NUMBER
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NEC	NATIONAL ELECTRIC CODE
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE(S)
P.A.	PUBLIC ADDRESS
PH. ø	PHASE
PIR	PASSIVE INFRARED
PP	PITCH POCKET
RC	ROOF CURB
RE	EXISTING IN NEW LOCATION
RECEPT	RECEPTACLE(S)
RM	ROOM
RTU	ROOF TOP UNIT
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	DEPARTMENT OF VETERANS AFFAIRS
VA	VOLT-AMPERE
VAC	VOLTS ALTERNATING CURRENT
W	WIRE(S)
WP	WEATHER PROOF ENCLOSURE
W	WATT
W/	WITH

LIGHTING FIXTURE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	LAMPS	TOTAL WATTS	VOLTAGE	MANUFACTURER/CATALOG NUMBER (OR APPROVED EQUAL)	REMARKS
A		2'X4' RECESSED PARABOLIC 24 CELL FLUORESCENT LIGHT FIXTURE	2-32W-T8	65W	120	LITHONIA PARAMAX 2PM3-GB-232-24-LD-MVOLT-GEB10IS	
B		1'X4' PENDENT MOUNTED FLUORESCENT VAPOR-TIGHT INDUSTRIAL FIXTURE	2-32W-T8	65W	120	LITHONIA ENCLOSED INDUSTRIAL EGW-232-MVOLT-GEB10IS	
C		1'X2' WALL MOUNTED FLUORESCENT LIGHT FIXTURE	2-32W-T8	65W	120	LITHONIA WALL MOUNTED WC-232-MVOLT-GEB10IS	
D		WALL MOUNTED LED BUILDING-MOUNTED LUMINAIRE	LED	74W	120	LITHONIA BUILDING-MOUNTED LUMINAIRE CSXWLED1-30B70/40K-SR3120-SFPE-DDBXD	
E		LED EXIT LIGHTING FIXTURE WITH BUILT IN BATTERY PACK	LED	3W	120	LITHONIA DIE CAST ALUMINUM EXIT LES1-R120-ELNSD-CSA	

EXISTING PANEL SP2A

VOLTAGE: 208Y/120V 3ø,4W + GND | MLO | | POLES: 42 | | MIN CB IC:
MAIN BUS: 225A | X | MCB 225A | MTG: | | LOCATION:

CKT #	SERVES	LOAD VA	BREAKER P	BREAKER TRIP	BRANCH CIRCUIT	PHASE (VA) A	PHASE (VA) B	PHASE (VA) C	BRANCH CIRCUIT	BREAKER TRIP	BREAKER P	LOAD VA	SERVES	CKT #
1	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	2
3	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	4
5	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	6
7	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	8
9	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	10
11	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	12
13	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	14
15	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	16
17	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	18
19	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	20
21	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	22
23	RECPT	1000	1	20	2#12+12G IN 3/4"C			2000	2#12+12G IN 3/4"C	20	1	1000	LIGHTING	24
25	RECPT	1000	1	20	2#12+12G IN 3/4"C	2370			2#12+12G IN 3/4"C	20	1	1370	LIGHTING	26
27	RTU-1-W1	2775	1	50	2#8+12G IN 3/4"C		3775		2#12+12G IN 3/4"C	20	1	1000	IR HEATER 1W-IRH-1	28
29	MUA-1-W1	1900	1	30	2#10+10G IN 3/4"C			2900	2#12+12G IN 3/4"C	20	1	1000	ROLL-UP DOOR	30
31	TRASH COMP.	2000	1	30	2#8+12G IN 3/4"C	3000			2#12+12G IN 3/4"C	20	1	1000	HYDRAULIC LIFT	32
33	ROOF RECPT	1000	1	20	2#12+12G IN 3/4"C		2000		2#12+12G IN 3/4"C	20	1	1000	EF-W1	34
35	SPARE	–	1	20	–			1000	2#12+12G IN 3/4"C	20	1	1000	EF-W2	35
37		960		20		960			2#12+12G IN 3/4"C	20	1	500	DOOR #8	36
39	BAILER SYSTEM POWER	960			3#12+12G IN 3/4"C		960		–	20	1	–	SPARE	40
41		960	3					960	2#12+12G IN 3/4"C	20		500	DOOR #1	42
						–	–	–	(VA/PHASE)					
	TOTAL LOAD (VA)	–				–	–	–	(AMPS/PHASE)	–		TOTAL LOAD (AMPS)		

EXISTING PANEL LE2A

VOLTAGE: 208Y/120V 3ø,4W + GND | MLO | | POLES: 42 | | MIN CB IC:
MAIN BUS: 225A | X | MCB 125A | MTG: | | LOCATION:

CKT #	SERVES	LOAD VA	BREAKER P	BREAKER TRIP	BRANCH CIRCUIT	PHASE (VA) A	PHASE (VA) B	PHASE (VA) C	BRANCH CIRCUIT	BREAKER TRIP	BREAKER P	LOAD VA	SERVES	CKT #
1	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	2
3	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	4
5	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	6
7	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	8
9	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	10
11	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	12
13	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	14
15	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	16
17	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	18
19	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	20
21	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	22
23	EXISTING LOAD	–	1	20	–			–	–	20	1	–	EXISTING LOAD	24
25	EXISTING LOAD	–	1	20	–	–			–	20	1	–	EXISTING LOAD	26
27	EXISTING LOAD	–	1	20	–		–		–	20	1	–	EXISTING LOAD	28
29	EXISTING LOAD	–	1	20	–			–	–	–	–	–	SPACE	30
31	EXISTING LOAD	–	1	20	–	–			–	–	–	–	SPACE	32
33	EXISTING LOAD	–	1	20	–		–		–	–	–	–	SPACE	34
35	RECPT	1000	1	20	2#12+12G IN 3/4"C			1000	–	–	–	–	SPACE	35
37	RECPT	1000	1	20	2#12+12G IN 3/4"C	1000			–	–	–	–	SPACE	36
39	RECPT	1000	1	20	2#12+12G IN 3/4"C		1000		–	–	–	–	SPACE	40
41	RECPT	1000	1	20	2#12+12G IN 3/4"C			1000	–	–	–	–	SPACE	42
						–	–	–	(VA/PHASE)					
	TOTAL LOAD (VA)	–				–	–	–	(AMPS/PHASE)	–		TOTAL LOAD (AMPS)		

DIRECTIONAL NOTES

DN1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL, COMMUNICATION, AND SECURITY WORK WITHIN THE PLAN SET. CONTRACTOR SHALL COORDINATE WITH THE COTR, ANY WORK REQUIRED TO BE PERFORMED BY SELECTED "MAINTENANCE CONTRACTORS". CONTRACTOR SHALL CONTRACT WITH THESE "MAINTENANCE CONTRACTORS" FOR INSTALLATIONS AS SHOWN. "MAINTENANCE CONTRACTORS" ARE AS FOLLOWS:

a. FIRE ALARM SYSTEM WORK: SHALL BE PERFORMED BY WEST ELECTRIC AND BETTWY SYSTEMS USING NOTIFIER SYSTEMS. CONTACT SCOTT BETTWY (814)-646-2877. ALL FIRE ALARM SYSTEM WORK SHALL BE PROVIDED IN RACEWAY AND ACCORDANCE WITH NFPA 101.

b. CARD ACCESS, SECURITY SYSTEMS, CCTV SYSTEM WORK: SECURITY, CARD ACCESS AND CCTV WORK SHALL BE PERFORMED BY MEI SYSTEMS, DIVISION OF MOROCCO ELECTRIC, INC. TELEPHONE NUMBER (800)-866-7622.

DN2. CONTRACTOR IS ADVISED, THAT IN ORDER TO MAINTAIN CONTINUITY OF EXISTING SYSTEMS, SPECIFIC DEMOLITION MAY REQUIRE CUT-OVER OF SYSTEMS DURING OFF-PEAK OR OUTSIDE NORMAL WORKING HOURS. CONTRACTOR SHALL COORDINATE WITH THE COTR FOR WORK THAT MAY BE REQUIRED OUTSIDE NORMAL WORKING HOURS.

BID SUBMISSION

Revisions	Date
SECURITY REQUIREMENTS PER VA COMMENTS	7-18-12

Professional Seal

DCS INFRASTRUCTURE, LLC
MOUNT LAUREL, NEW JERSEY
Hatch Mott MacDonald

Drawing Title: ELECTRICAL NOTES, SYMBOLS, ABBREVIATIONS, PANEL AND LIGHTING SCHEDULES
Project Title: FCA RECONFIGURE LOADING DOCK
Date: MAY 30, 2012
Project No.: 503-11-107
Approved : Division Chief
Approved : Service Director
Building Number: 1
Checked: RKC/IB
Drawn: CDC
Location: ALTOONA, PENNSYLVANIA
Drawing No.: E1
Sht. 24 of 27

Office of Facilities
Department of Veterans Affairs

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P:\298501\DRAWINGS\298501-CURRENT DRAWINGS\298501-E1.DWG 7/18/2012 2:56 PM CF50603