GENERAL ELECTRICAL NOTES

1. GENERAL

A. IN CASE OF A CONFLICT BETWEEN THE SPECIFICATIONS AND DRAWING PLAN NOTES, THE MOST STRINGENT REQUIREMENTS SHALL APPLY AS DETERMINED BY THE METROPOLITAN WASHINGTON AIRPORTS AUTHORITY (MWAA).

A. THESE DRAWINGS ARE SCHEMATIC AND INTENDED TO DEPICT THE GENERAL LOCATION OF ELECTRICAL SYSTEM COMPONENTS. CONSULT ARCHITECTURAL PLANS FOR FINAL DIMENSIONS AND LOCATION OF FIXTURES, DEVICES AND EQUIPMENT.

B. THE INSTALLATION OF ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH ALL CODES AND AUTHORITIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. THE LATEST VERSION OF N.E.C., AND LOCAL JURISDICTION AMENDMENTS.
2. ALL LOCAL CODES.
3. NFPA 72 AND THE LATEST VERSION OF THE LOCALLY RECOGNIZED BUILDING CODE.
4. THE AMERICANS WITH DISABILITIES ACT (ADA).
5. THE 2003 IECC CODE.

D. ADVANCE NOTICE SHALL BE GIVEN TO THE MWAA BEFORE COMMENCEMENT OF WORK ON ANY ELECTRICAL CIRCUITRY, WHETHER OR NOT AN OUTAGE IS REQUIRED.

E. UNLESS SPECIFICALLY NOTED ON THE PLANS, ALL CIRCUITRY, EQUIPMENT, DEVICES, ETC., NOT NOTED AS EXISTING TO REMAIN OR TO BE RELOCATED, SHALL BE NEW. THE CONTRACTOR MAY REUSE ALL EXISTING CONDUCTORS, EMT, POWER/LIGHTING CIRCUITRY, GRID, ETC., AS FIELD CONDITIONS PERMIT. ALL CIRCUITS THAT ARE TO REMAIN IN SERVICE UPON COMPLETION OF THIS PROJECT MUST BE CONTINUED IN SERVICE. OUTAGES ON EXISTING CIRCUITS TO REMAIN SHALL BE COORDINATED WITH THE MWAA.

F. THE CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED POWER, LIGHTING, CLASS I, II & III CABLING, FIRE ALARM, COMMUNICATIONS, RADIO, TV & CATV CABLING ALONG WITH ALL ASSOCIATED RACEWAYS, HANGERS, CABLE TRAYS AND APPURTENANCES WITHIN THE LIMIT OF THE AREA OF WORK. THE REMOVAL SHALL BE IN ACCORDANCE WITH N.E.C. 300.21, 645.5, 725.3, 760.3, 770.3, 800.52, 820.3, 820.53, 830.55 AND ALL OTHER RELATED REFERENCES.

G. X-RAY THE SLAB IN THE AREA OF PENETRATION PRIOR TO CORE DRILLING AND.OR TRENCHING. COORDINATE WITH EQUIPMENT IN THE CEILING SPACE BELOW TO CHECK FOR OBSTRUCTIONS. IN ADDITION, REVIEW SLAB PENETRATIONS WITH STRUCTURAL ENGINEER RETAINED BY THE CONTRACTOR IN ORDER TO INSURE THAT THE STRUCTURAL INTEGRITY IS MAINTAINED. THE CONTRACTOR SHALL COORDINATE WITH THE MWAA FOR ANY ADDITIONAL REQUIREMENTS OR IF GROUND PENETRATING RADAR (GPR) IS AN ACCEPTABLE ALTERNATE TO X-RAY.

H. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT DEVICES AND OTHER ASSOCIATED APPURTENANCES TO BE PROVIDED FOR THIS PROJECT INCLUDED BUT NOT LIMITED TO:

1. LIGHT FIXTURES
2. SWITCHES, PLUGS AND RECEPTACLES
3. PANELBOARDS CIRCUIT BREAKERS
4. FIRE ALARM DEVICES

2. RACEWAY, BOXES AND CONDUIT

A. INDOOR WIRING – USE THE FOLLOWING WIRING METHODS:

1. ELECTRICAL METALLIC TUBING WITH COMPRESSION COUPLING WITH INSULATED THROAT, UNLESS SPECIFICALLY NOTED OTHERWISE.
2. CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT
3. BOXES AND ENCLOSURES: NEMA TYPE 1
4. FIRE ALARM CONDUIT AND BOXES SHALL BE PAINTED RED.

B. ALL CIRCUITRY SHALL BE RUN CONCEALED IN FINISHED AREAS.

C. EMT CONDUCTORS AND COUPLINGS SHALL BE OF THE ALL-STEEL, COMPRESSION TYPE WITH INSULATED THROAT.

D. ALL CIRCUITRY RUNS INDICATED ARE DIAGRAMMATIC. THE CONTRACTOR SHALL DETERMINE IN THE FIELD THE MOST SUITABLE ROUTES. THE CONTRACTOR SHALL PROVIDE AUTOCAD "AS-BUILT" DOCUMENTATION OF ALL CIRCUITRY RUNS.

E. LOW VOLTAGE WIRING SHALL BE INSTALLED IN RACEWAY, UNLESS OTHERWISE NOTED.

F. OUTLET BOXES SHALL BE A MINIMUM OF 4" SQUARE WITH THE APPROPRIATE PLASTER RING OR TILE COVER.

G. ALL EMPTY RACEWAYS SHALL CONTAIN A DRAG WIRE.

H. MINIMUM SIZE EMT SHALL BE 3/4" FOR POWER AND LIGHTING, 1" FOR LOW VOLTAGE/TELECOM.

3. WIRE AND CABLE

A. ALL CONDUCTORS SHALL BE COPPER, MINIMUM #12 WITH 600 VOLT TYPE "THHN-THWN" INSULATION ROUTED IN CONDUIT. CONDUCTORS #10 AND LARGER SHALL BE STRANDED.
B. METAL-CLAD (MC) MAY BE USED FOR INTERIOR BRANCH CIRCUITRY IN ACCORDANCE WITH THE MWAA DESIGN MANUAL – SECTION 22.3.2.4 FLEXIBLE METAL CONDUITS OR MC CABLE PERMITTED USE SECTION.
C. HOMERUNS WITHOUT BRANCH CIRCUIT BREAKER INFORMATION SHALL BE CONNECTED TO A NEW 1P/20 AMP CIRCUIT BREAKER. WHERE CONDUIT SIZE AND NUMBER WIRES AND THEIR SIZE IS NOT GIVEN, THE FOLLOWING SHALL APPLY:

4. LIGHTING CIRCUITS:

a) ONE BRANCH CIRCUIT – (1) #12 & (1) #12 NEUTRAL IN 3/4" CONDUIT
b) TWO BRANCH CIRCUITS – (2) #12 & (1) #10 NEUTRAL IN 3/4" CONDUIT
c) THREE BRANCH CIRCUIT – (3) #12 & (1) #10 NEUTRAL IN 3/4" CONDUIT

5. POWER CIRCUITS:

a) ONE BRANCH CIRCUIT – (1) #12 & (1) #12 NEUTRAL & (1) #12 GROUND IN 3/4" CONDUIT
b) TWO BRANCH CIRCUITS – (2) #12 & (1) #10 NEUTRAL & (1) #12 GROUND IN 3/4" CONDUIT
c) THREE BRANCH CIRCUIT – (3) #12 & (1) #10 NEUTRAL & (1) #12 GROUND IN 3/4" CONDUIT

A. PROVIDE ALL ADDITIONAL WIRES REQUIRED FOR SWITCHING AND CONTROL FUNCTION INDICATED.

B. ALL 120 VOLT CIRCUIT HOMERUNS WHICH ARE OVER 75 LINEAR FEET SHALL BE #10 CONDUCTORS MINIMUM. CONTRACTOR SHALL INCREASE WIRE SIZE AS REQUIRED TO MAINTAIN A MAXIMUM VOLTAGE DROP OF 3%.

C. RUN MULTIPLE HOMERUNS TO ALTERNATELY NUMBERED PANEL BOARD CIRCUITS (I.E. – 1, 3, 5).

A. THE CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING/BALANCING THE CIRCUITS IN THE PANELS ONE MONTH AFTER OCCUPANCY. A MAXIMUM OF THREE SINGLE PHASE CIRCUITS SHALL BE INSTALLED IN ANY CONDUIT. ON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL BALANCE ALL PANEL PHASES SO THAT THE MAXIMUM IMBALANCE OF PHASE LOADS IS NO MORE THAN 10% AND PROVIDE AN UPDATED TYPED PANEL SCHEDULE.

B. ALL PLENUM WIRING SHALL COMPLY WITH N.E.C. SECTION 300.22.

6. SWITCHES, RECEPTACLES & COMMUNICATIONS OUTLETS

A. THE LOCATIONS OF ALL TELEPHONE AND POWER RECEPTACLE SHALL BE VERIFIED, BEFORE INSTALLATION, BY THE ARCHITECT AND OWNER. THE ARCHITECT MAY, AT HIS OPTION, RELOCATE ANY DEVICE 5 FEET AT NO CHARGE TO THE OWNER.

B. WHERE TWO OR MORE DEVICES ARE SHOWN TOGETHER ON THE PLANS, A GANGED PLATE SHALL BE USED. DEVICES OF DIFFERENT VOLTAGES SHALL BE SEPARATED BY A BARRIER.

C. ALL RECEPTACLES SHOWN ON A WALL BACK TO BACK SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY.

D. WALL PLATES SHALL BE OF A FINISH AS SELECTED BY THE ARCHITECT.

E. COORDINATE LIGHT SWITCHES SHOWN ON DRAWINGS WITH DOOR SWINGS. LOCATE LIGHT SWITCHES ON LOCK SIDE OF DOOR, UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DOCUMENTS.

F. MOUNTING HEIGHT FOR RECEPTACLES AND COMMUNICATIONS (TELEPHONE & DATA) OUTLETS SHALL BE 18", UNLESS SPECIFICALLY NOTED OTHERWISE ON THE ARCHITECTURAL DOCUMENTS.

G. MOUNTING HEIGHT FOR LIGHTING SWITCHES SHALL BE 48", UNLESS SPECIFICALLY NOTED OTHERWISE ON THE ARCHITECTURAL DOCUMENTS.

H. COORDINATE INSTALLATION AND LOCATION OF WALL MOUNTED TELEPHONE AND DATA OUTLETS ALONG WITH ASSOCIATED WIRING WITH THE COMMUNICATIONS CONTRACTOR. TELEPHONE AND DATA CONDUCTORS SHALL BE INSTALLED BY THE COMMUNICATIONS CONTRACTOR. ALL CABLING IN THE RETURN AIR PLENUM SHALL BE IN ACCORDANCE WITH N.E.C. 300.22.

I. THE CONTRACTOR SHALL REMOVE AND REINSTALL AND REPLACE CEILING TILES AS REQUIRED FOR THE INSTALLATION OF TELEPHONE AND DATA WIRING BY THE OWNERS CONTRACTOR/VENDORS.

7. LIGHTING FIXTURES

A. PROVIDE NEW FIXTURES AS REQUIRED AND AS SPECIFIED ON THE DRAWINGS.

B. PROVIDE EMERGENCY WHITE LIGHTS AND EXIT SIGNAGE AS REQUIRE TO MAINTAIN EGRESS LIGHTING REQUIRED BY THE N.E.C. NEW AND EXISTING FIXTURES SHALL BE AS SPECIFIED

C. ALL EXISTING FIXTURES SHALL BE CLEANED, RELAMPED, REBALLASTED AND HAVE ALL DAMAGED / SERVICEABLE PARTS REPLACED INCLUDING BUT NOT LIMITED TO THE LENSES AND BALLAST. CONTRACTOR TO PROVIDE NEW LAMPS AS REQUIRED TO MAINTAIN THE SAME COLOR LAMPS IN EACH AREA.

D. COORDINATE THE INSTALLATION OF RECESSED LIGHTING FIXTURES WITH ALL MECHANICAL EQUIPMENT AND THE ARCHITECTURAL REFLECTED CEILING PLAN. GRID LAYOUT ON THE ELECTRICAL PLANS IS APPROXIMATE, SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS.

E. PROVIDE FINISH FRAMES FOR ALL RECESSED LIGHTING FIXTURES TO BE COMPATIBLE WITH THE CEILING CONSTRUCTION. COORDINATE ALL FIXTURE TYPES WITH CEILING SYSTEM BEFORE ORDERING. PROVIDE ALL MOUNTING ATTACHMENTS FOR A COMPLETE INSTALLATION.

F. SUPPORT ALL FIXTURES ACCORDING TO N.E.C. 410-16 AND ALL LOCAL REQUIREMENTS.

G. ALL LIGHTING FIXTURES SHALL BE INSTALLED AS COMPLETE UNITS WITH LAMPS.

H. ALL 2X4 RE-LAMPED LIGHT FIXTURES SHALL BE PROVIDED WITH T8 LOW MERCURY LAMPS.

8. PANELBOARDS (MODIFICATIONS)/STARTERS/DISCONNECTS

A. ALL PANEL BOARDS SHALL BE AS INDICATED IN THE PANEL SCHEDULES IN THESE DRAWINGS.

B. PROVIDE NEW CIRCUIT BREAKERS AND/OR FUSED SWITCHES AS REQUIRED. NEW EQUIPMENT SHALL MATCH EXISTING INSTALLED EQUIPMENT AND SHALL BE OF THE SAME MANUFACTURER AND TYPE AS SIMILAR EQUIPMENT. INTERRUPT RATING OF EQUIPMENT SHALL BE THE SAME AS THAT OF EXISTING EQUIPMENT. PROVIDE NEW TYPED PANELBOARD DIRECTORY TO REFLECT CHANGES MADE TO PANELBOARD AND THE EXISTING TO REMAIIN CIRCUITS. THE DIRECTORY SHALL INDICATE DEVICE SERVED AND SPECIFIC LOCATION OF DEVICE(S). SPECIFIC LOCATION SHALL INDICATE ROOM NUMBER AND TYPE OF ROOM.

C. TANDEM BREAKERS SHALL NOT BE USED.

D. PLUG-ON BREAKERS SHALL NOT BE USED.

9. EQUIPMENT CONNECTIONS

A. EXTEND WIRING TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND MAKE FINAL AND COMPLETE CONNECTIONS . CONNECTIONS. BEFORE ROUGHING-IN, THE LOCATION AND TYPE OF EQUIPMENT SHALL BE VERIFIED WITH THE SHOP DRAWINGS OF THE EQUIPMENT. STARTERS, DISCONNECTS AND OTHER ELECTRICAL CIRCUITRY AND DEVICES SHALL BE LOCATED TO ALLOW FOR ACCESS TO THE DEVICES AND NOT INTERFERE WITH THE OPERATION OF THE DEVICE.

B. COORDINATE THE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND DRAWINGS AS TO PROVIDE CONNECTION AND CLEARANCE AS REQUIRED BY THE NEC.

C. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL CONTROL CIRCUITRY WITH THE MECHANICAL CONTRACTOR. COORDINATE INSTALLATION OF ALL DEVICES AND CONTROL CIRCUITRY AS TO NOT BLOCK EQUIPMENT ACCESS.

10. GROUNDING

A. GROUND ELECTRICAL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH N.E.C. EXCEPT WHERE GROUNDING IN EXCESS OF N.E.C. REQUIREMENTS IS INDICATED.

B. ALL GROUNDING PATHS SHALL BE TESTED, VERIFIED AND SUBMITTED.

11. SUPPORTING DEVICES

A. PROVIDE SUPPORTING DEVICES TO FASTEN ELECTRICAL COMPONENTS SECURELY AND PERMANENTLY IN ACCORDANCE WITH N.E.C. AND LOCAL JURISDICTION REQUIREMENTS.

B. ALL DEVICES SHALL BE INSTALLED AS TO MEET NEC AND MANUFACTURERS PUBLISHED INSTRUCTIONS.

12. ELECTRICAL IDENTIFICATION

A. CONDUCTOR COLOR CODING: PROVIDE COLOR CODING OF FEEDERS AND BRANCH CIRCUITS TO MATCH BUILDING STANDARD OR AS APPROVED BY THE OWNER AS FOLLOWS:

208/120 VOLTS	PHASE	480/277 VOLTS
BLACK	A	YELLOW
RED	B	BROWN
BLUE	C	ORANGE
WHITE	N	GRAY
GREEN	G	GREEN
GREEN W/ YELLOW	ISO. G	GREEN W/YELLOW

B. PROVIDE FRAMED, TYPED PANEL DIRECTORIES WITH EXPLICIT DESCRIPTION AND IDENTIFICATION OF ITEMS CONTROLLED BY EACH INDIVIDUAL CIRCUIT BREAKER IN EACH NEW AND EXISTING PANEL BOARD WHICH CONNECTIONS ARE MADE OR REMOVED UNDER THIS CONTRACT.

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MTG. HT. TO ℄ OF DEVICE U.O.N.
○	RECESSED DOWNLIGHT FIXTURE	
⊗	EXIT LIGHT FIXTURE	
	SURFACE PEDESTAL BOXES FOR POWER, TELEPHONE AND COMMUNICATIONS	
	DUPLEX RECEPTACLE – NEMA 5-20R	
	JUNCTION BOX – WALL, CEILING OR FLOOR INSTALLATION TYPE AS PER DRAWINGS	
	PANELBOARD	
15cd	WALL MOUNTED VISUAL FIRE ALARM SIGNALING DEVICE SHALL COMPLY WITH NFPA 72.6-4, ANSI A117.1 BA4.26.3. SUBSCRIPT INDICATES MINIMUM CANDELA RATING FOR STROBE.	THE LOWER OF 80" OR 6" BELOW CLG
LB-4,5	HOMERUN TO PANELBOARD – NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. NUMERAL AND LETTERS ADJACENT TO ARROWHEADS INDICATE ASSIGNED PANEL AND CIRCUIT NUMBERS. TICK MARKS IN CIRCUITRY INDICATE QUANTITY OF No. 12 CONDUCTORS AND (⌈) CHECK MARK IN CIRCUITRY INDICATES GROUND CONDUCTOR. CIRCUITRY WITH NO TICK MARKS INDICATES 2#12 CONDUCTORS. ALL CONDUCTORS ARE No. 12 AND ARE CONNECTED TO A 1P, 20A. CIRCUIT BREAKER UNLESS NOTED OTHERWISE.	
	CIRCUITRY CONCEALED IN WALLS OR ABOVE CEILING. No. OF TICKS INDICATE No. OF CONDUCTORS. NUMERALS ADJACENT TO TICKS INDICATE WIRE SIZE. RUNS WITHOUT TICKS OR NUMERALS INDICATE 2#12 + 1#12G IN 3/4" CONDUIT U.O.N.	
	NEW OR RELOCATED IN NEW LOCATION FIXTURE, DEVICE OR EQUIPMENT	
	EXISTING DEVICE AND/OR EQUIPMENT TO REMAIN	
	EXISITING DEVICE, EQUIPMENT AND OR FIXTURE TO BE REMOVED OR RELOCATED.	
	EXISTING BRANCH CIRCUIT WIRING	

ABBREVIATIONS

A	AMPERE	LED	LIGHT EMITTING DIODE
C	CONDUIT/EMT	MCB	MAIN CIRCUIT BREAKER
CF	COMPACT FLUORESCENT	MLO	MAIN LUGS ONLY
C/W	CEILING OR WALL	N	NEW
E	EXISTING	P	POLE
EN	EXISTING IN NEW LOCATION	PNL	PANEL
ER	EXISTING TO BE RELOCATED	R	TO BE REMOVED
F	FLUORESCENT	REC	RECESSED
G	GROUND	V	VOLT
GFCI	GROUND FAULT CIRCUIT INTERUPTER	W	WIRE

EXISTING PANEL "3CPA"

VOLTAGE: 120/208 PHASE: 3 WIRE: 4
MAIN AMPS: 100 MCB AMPS: NEUTRAL: 100 %
FEED-THRU LUGS (Y/N): N NEMA ENCLOSURE: 1 KAIC RATING:

CKT	FOR	CKT BREAKER NOTE	AMP	POLE	LOAD KVA	PHASE	KVA	CKT	FOR	CKT BREAKER NOTE	AMP	POLE
1	EXISTING CIRCUIT		20	1		A		2	EXISTING CIRCUIT		20	1
3	EXISTING CIRCUIT		20	1		B		4	EXISTING CIRCUIT		20	1
5	EXISTING CIRCUIT		20	1		C		6	EXISTING CIRCUIT		20	1
7	EXISTING CIRCUIT		20	1		A		8	EXISTING CIRCUIT		20	1
9	EXISTING CIRCUIT		20	1		B		10	EXISTING CIRCUIT		20	1
11	EXISTING CIRCUIT		20	1		C		12	EXISTING CIRCUIT		20	1
13	EXISTING CIRCUIT		20	1		A		14	EXISTING CIRCUIT		20	1
15	EXISTING CIRCUIT		20	1		B		16	EXISTING CIRCUIT		20	1
17	EXISTING CIRCUIT		20	1		C		18	EXISTING CIRCUIT		20	1
19	EXISTING CIRCUIT		20	1		A		20	EXISTING CIRCUIT		20	1
21	EXISTING CIRCUIT		20	1		B		22	EXISTING CIRCUIT		20	1
23	EXISTING CIRCUIT		20	1		C		24	EXISTING CIRCUIT		20	1
25	EXISTING CIRCUIT		20	1		A		26	EXISTING CIRCUIT		20	1
27	EXISTING CIRCUIT		20	1		B		28	EXISTING CIRCUIT		20	1
29	SPARE		20	1		C		30	EXISTING CIRCUIT		20	1
31	SPARE		20	1		A		32	EXISTING CIRCUIT		20	1
33	SPARE		20	1		B		34	SPARE		20	1
35	SPARE		20	1		C		36	SPARE		20	1
37	SPARE		20	1		A		38	SPARE		20	1
39	SPARE		20	1		B		40	NEW PODIUM FLR BOX		20	1
41	SPARE		20	1		C		42	NEW PODIUM FLR BOX		20	1

NOTES:

TOTAL PHASE A CONNECTED KVA
TOTAL PHASE B CONNECTED KVA
TOTAL PHASE C CONNECTED KVA

TOTAL PANEL CONNECTED KVA

LOAD COMPUTATIONS AND MINIMUM FEEDER AMPACITY

CATEGORY	CONNECTED KVA	DEMAND FACTOR	DEMAND AMPS	MULTIPLIER	AMPACITY
LIGHTING	-	1.00	-	1.25	
RECEPTACLES	-	NEC TABLE 220-44	-	1.00	
CONTINUOUS LOAD	-	1.00	-	1.00	
NON-CONTINUOUS	-	1.00	-	1.00	
HEATING	-	1.00	-	1.00	
MISCELLANEOUS	-	1.00	-	1.00	
	-	1.00	-		
	-	1.00	-		
	-	1.00	-		
	-	1.00	-		
	-	1.00	-		
DEMAND AMPS			MINIMUM FEEDER AMPACITY		

NO.	REVISION	DATE

PGAL
201 N.UNION ST.
SUITE 500
ALEXANDRIA,
VIRGINIA 22314
[T] 703 836 0588
[F] 703 836 8027

DATE: August 31, 2011
SCALE: NONE
DESIGNED: DLW
CHECKED: RDZ
DRAWN: DLW
ACCEPTED: BJL
SUBMITTED: DRH
APPROVED: FDH

METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

METROPOLITAN WASHINGTON AIRPORTS AUTHORITY

OFFICE OF ENGINEERING
DESIGN DEPARTMENT

GATE A23/25 - A31
STERILE CORRIDOR RENOVATION
WASHINGTON DULLES INTERNATIONAL AIRPORT
WASHINGTON, DC

ELECTRICAL NOTES, ABBREVIATIONS SYMBOLS & PANEL SCHEDULE

PROJECT IDENTIFIER: IT1111
SHEET NAME: EL00.001
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SHEET NUMBER: 16 of 35

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