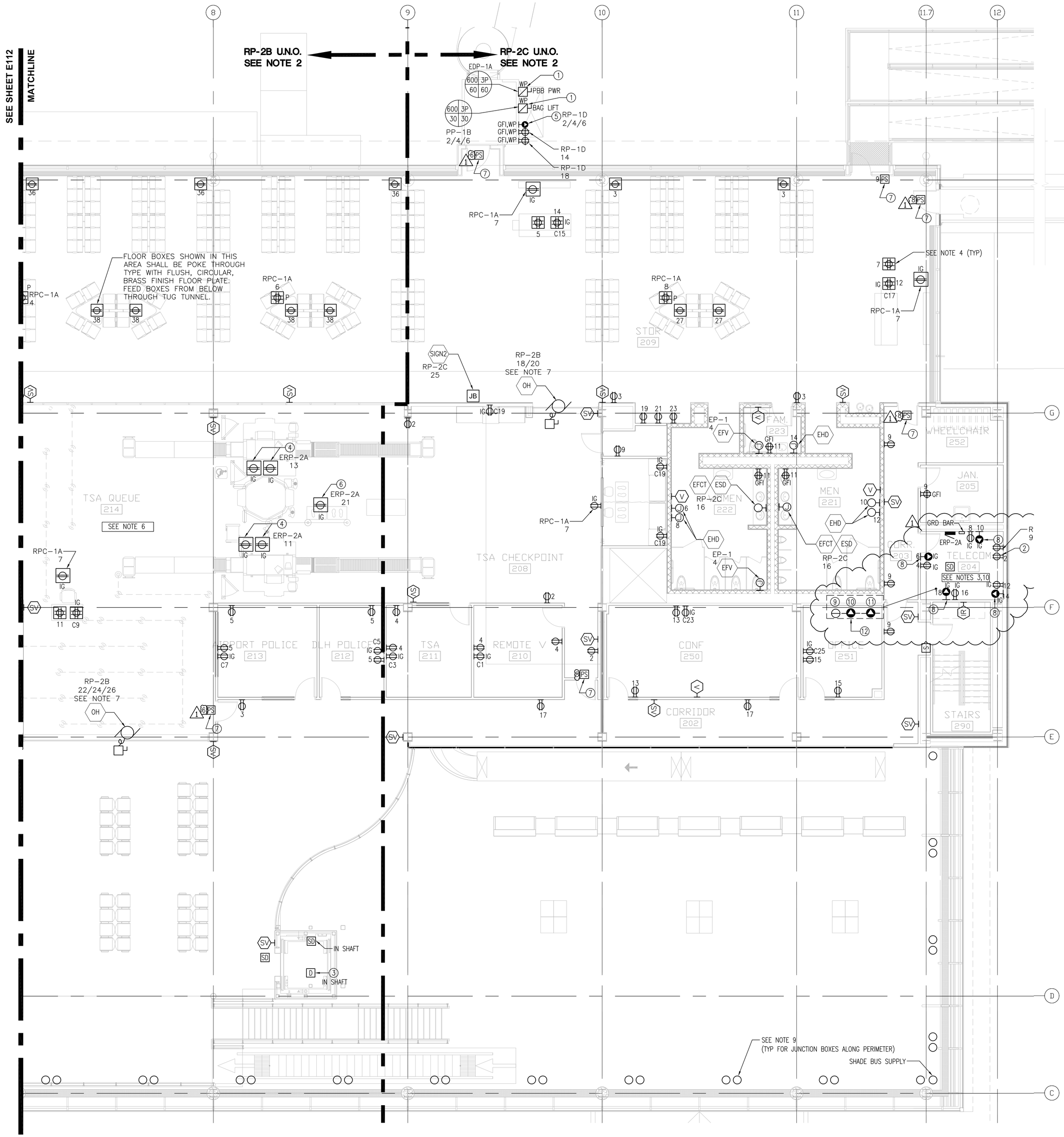

N

1 ENLARGED SECOND LEVEL FLOOR PLAN - AREA B
1/8" = 1'-0"

NOTES:

1. COMPUTER RECEPTACLES SHALL BE IG TYPE (ISOLATED GROUND) AND ON A DEDICATED CIRCUIT, CONNECTED TO PANEL "ERP-2A" U.N.O. CIRCUIT NUMBERS ARE DESIGNATED WITH PREFIX "C".
2. RECEPTACLES AND OTHER ELECTRICAL DEVICES ON NORMAL POWER ON THIS SHEET SHALL BE CONNECTED TO "RP" PANELS AS INDICATED ON THIS SHEET, U.N.O.
3. RECEPTACLES IN TELECOM ROOM 243 SHALL BE CONNECTED TO PANEL "ERP-2A" U.N.O.
4. MOUNTING/LOCATION FOR TICKET COUNTER RECEPTACLES SHALL BE CONFIRMED.
5. STROBES THAT ARE LOCATED WITHIN THE SAME FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION.
6. PROVIDE RACEWAYS, JUNCTION BOXES AND POWER, WHERE REQUIRED, FOR TELECOM, SECURITY, AV DEVICES AND SIGNAGE. REFER TO RESPECTIVE PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. POWER PROVISIONS FOR MOTORIZED ROLLING GRILLES SHALL BE BASED ON MANUFACTURER'S REQUIREMENTS (INCLUDING LOCAL DISCONNECT). CONTRACTOR SHALL ALSO WIRE ASSOCIATED PUSHBUTTONS SUPPLIED WITH GRILLES.
8. REFER TO "ET" SERIES DWGS FOR EXACT LOCATION AND MOUNTING DETAILS FOR FIDS. ADJUST POWER PROVISIONS ACCORDINGLY.
9. JUNCTION BOX FOR MECHOSHADE MOTORIZED SHADE, "WHISPER SHADE" SERIES – CONNECT SHADES TO PANEL "RP-2C". WORK ASSOCIATED WITH MOTORIZED SHADES IS AN ALTERNATE AND SHOULD BE PRICED SEPARATELY. SEE ARCHITECTURAL PLANS FOR FULL SHADE SPECIFICATION. INCLUDE WIRING FOR BUS SUPPLIES, MOTOR CONTROLLERS AND OTHER SHADE SYSTEM COMPONENTS – COORDINATE WITH MANUFACTURER FOR FULL REQUIREMENTS.
10. COORDINATE LOCATIONS OF GROUND BAR, PANELBOARDS AND WALL MOUNTED RECEPTACLES WITH LOCATIONS OF TELECOM EQUIPMENT. PROVIDE CODE REQUIRED CLEARANCES FOR ELECTRICAL EQUIPMENT.
11. PROVIDE QUAD RECEPTACLE FOR ASTRO BASE STATIONS LOCATED IN TELECOM EQUIPMENT ROOMS ON DEDICATED 20A/1P CIRCUIT. CONNECT TO "ERP" PANEL WITHIN SAME ROOM. LOCATION SHALL BE FIELD VERIFIED.

KEYED NOTES:

(1) VERIFY POWER REQUIREMENTS WITH MANUFACTURER OF EQUIPMENT FOR PASSENGER BRIDGE (PBB PWR) AND BAG LIFT. COORDINATE LOCATION OF POWER CONNECTION WITH OWNER.

(2) DEDICATED 20A DUPLEX RECEPTACLE FOR FM-200 SYSTEM CONTROLS. COORDINATE RECEPTACLE LOCATION WITH FM-200 LOCATION. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER.

(3) LOCATE A ELEVATOR SHAFT HEAT DETECTOR WITH 24" OF EACH SPRINKLER HEAD.

(4) COORDINATE LOCATION OF RECEPTACLE FOR XRAY MACHINE PER MANUFACTURER REQUIREMENTS.

(5) 30A, 208V, 3PH, GFI, WP RECEPTACLE WITH TWISTLOCK. CONFIRM AMPERAGE OF RECEPTACLE. LOCATION TO BE COORDINATED WITH OWNER.

(6) COORDINATE LOCATION OF RECEPTACLE FOR WHOLE BODY IMAGER PER MANUFACTURER REQUIREMENTS.

(7) PROVIDE POWER FOR ACCESS CONTROL POWER SUPPLY (POWER SUPPLY ENCLOSURE PROVIDED BY OTHERS). REFER TO "ET" SERIES DWGS FOR ADDITIONAL INFORMATION. INTERFACE EIBS WITH FA SYSTEM WHERE INDICATED ON "ET" SERIES DWGS.
ACCESS CONTROL POWER SUPPLIES SHALL BE ~~CONNECTED TO PNL "ERP-1A". THERE~~ SHALL BE NO MORE THAN 4 POWER SUPPLIES PER CIRCUIT.

(8) 20A DUPLEX RECEPTACLE WITH TWISTLOCK, NEMA L5-20.

(9) PROVIDE DUPLEX CEILING MOUNTED RECEPTACLE ABOVE EACH RACK ON A DEDICATED CIRCUIT. SEE SHEET ET502 FOR RACK LOCATIONS.

(10) PROVIDE DUPLEX CEILING MOUNTED RECEPTACLE WITH TWISTLOCK, NEMA L5-20, ABOVE EACH RACK ON A DEDICATED CIRCUIT. SEE SHEET ET502 FOR RACK LOCATIONS.

(11) PROVIDE A 30A, 208V CEILING MOUNTED RECEPTACLE FOR EACH RACK MOUNTED UPS ON A DEDICATED CIRCUIT. SEE SHEET ET501 FOR INDICATION OF RACKS CONTAINING UPS EQUIPMENT AND SHEET ET502 FOR RACK LOCATIONS.

(12) INSTALL CEILING MOUNTED RECEPTACLES WITHIN 8'-0" OF BOTTOM OF RACK. SEE SHEET ET502 FOR RACK LOCATIONS.

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ENGINEER CERTIFICATION
I hereby certify that the engineerinhg plans, specifications 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 Minnesota.

Print Name: Douglas C. Mass

Signature:

Date: 08/16/10 Reg. No.: 21067

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	6.11.10
	CONFORMANCE SET	7.12.10
3	PERMIT REVISIONS	7.23.10
	BUILDING PERMIT	8.16.10
	100% REVIEW	12.17.10
	BID PACKAGE 2A	1.24.11
1	BP2A ADDENDUM 2	2.25.11

DATE ISSUED: 02-25-11
REVIEWED BY: XXX
DRAWN BY: JK
DESIGNED BY: JK

AEP PROJECT NUMBER
213-1882-091

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SHEET TITLE
ENLARGED SECOND FLOOR ELECTRICAL PLAN AREA B

SHEET NUMBER
E113

BID PACKAGE 2A
ADDENDUM 2

Drawing: I:\2010.00 Duluth Airport\5.0 CADD\(5.1) Electrical\Dwgs\2010_E113.dwg Plotted on: 2/25/2011 8:11 AM Plotted by: Koelker, Jennifer