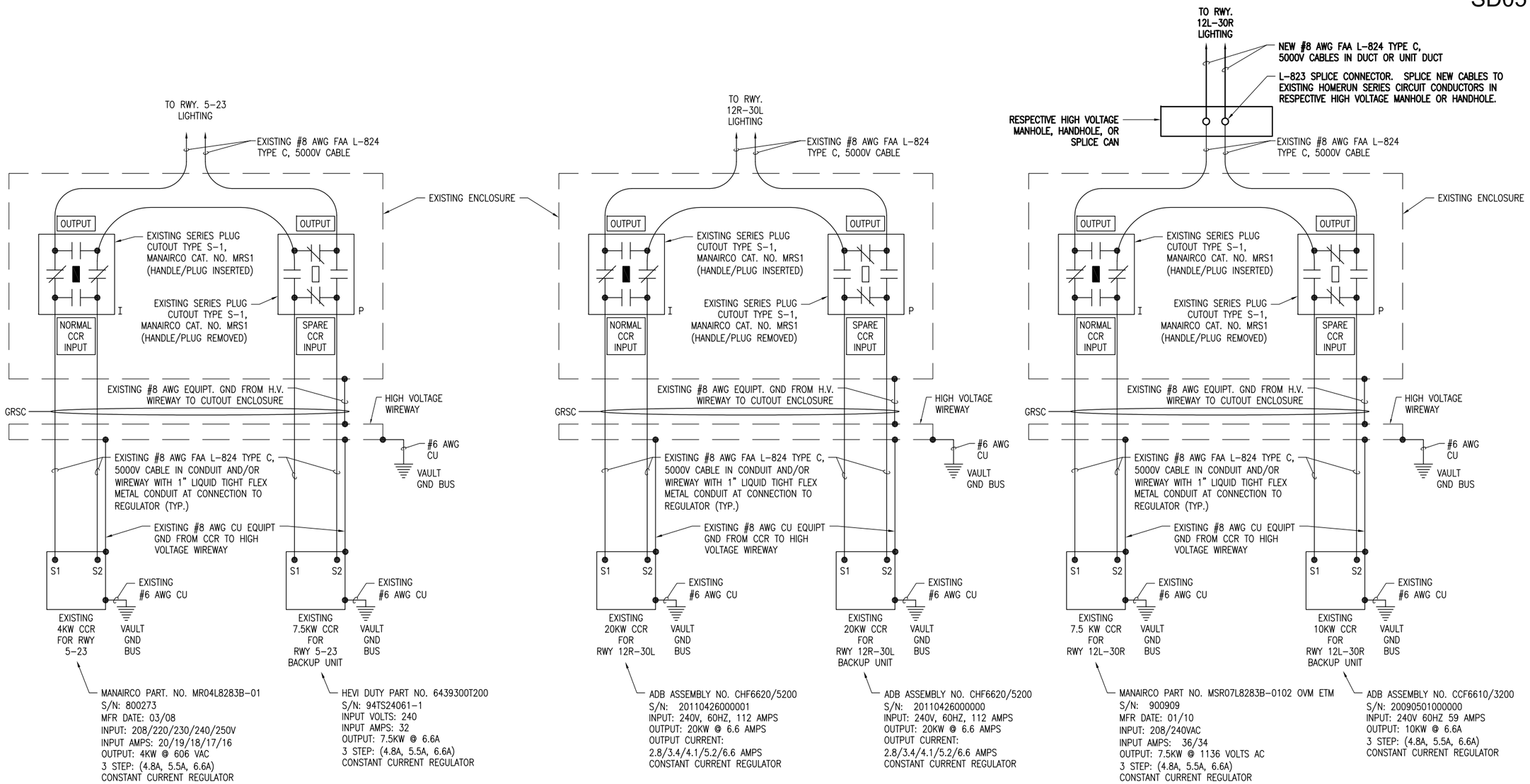

HIGH VOLTAGE WIRING SCHEMATIC FOR RUNWAYS

LEGEND

"I" DENOTES PLUG CUTOUT WITH PLUG INSERTED

"P" DENOTES PLUG CUTOUT WITH PLUG PULLED

"CCR" DENOTES CONSTANT CURRENT REGULATOR

NOTES:

1. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR AND THE RESPECTIVE FAA ATCT PERSONNEL. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
2. CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS.
3. MEGGER TEST AND RECORD EXISTING SERIES CIRCUITS PRIOR TO CABLE WORK. ALSO TEST AND RECORD SERIES CIRCUIT LOOP RESISTANCE.
4. RUNWAY 5-23 CCR, BACKUP CCR FOR RUNWAY 5-23, RUNWAY 12R-30L CCR, BACKUP CCR FOR RUNWAY 12R-30L, RUNWAY 12L-30R CCR, AND BACKUP CCR FOR RUNWAY 12L-30R AND THE ASSOCIATED CUTOUTS ARE EXISTING.
5. ALL CCR'S SHALL BE TESTED FOR PROPER OPERATION BEFORE REMOVAL WORK AND AFTER THE NEW CABLES AND LIGHTING SYSTEM MODIFICATIONS HAVE BEEN COMPLETED.
6. HIGH VOLTAGE & LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME WIREWAY, CONDUIT, DUCT, RACEWAY, JUNCTION BOX, HANDHOLE, OR MANHOLE.
7. SPLICES FOR RUNWAY AND TAXIWAY SERIES CIRCUITS SHALL BE FAA APPROVED TYPE L-823 CONNECTORS AND SHALL BE INSTALLED IN HIGH VOLTAGE HANDHOLES, HIGH VOLTAGE MANHOLES, SPLICE CANS OR HIGH VOLTAGE ENCLOSURES.

REVISION	DATE

SAINT LOUIS DOWNTOWN AIRPORT
A Division of Bi-State Development Agency
BLOCK GRANT PROJ.: 3-17-0039-B29
IL PROJ.: CPS-4210

Hanson Project No. 11A0190
Filename E-602-SCHM.dwg
Scale NONE
Date 03/08/13

LAYOUT	KNL	02/15/13
DRAWN	MLH	02/17/13
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Springfield, Illinois 62703-2886

GRADE DITCH PARALLEL TO MAIN RUNWAY

HIGH VOLTAGE WIRING SCHEMATIC FOR RUNWAYS

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