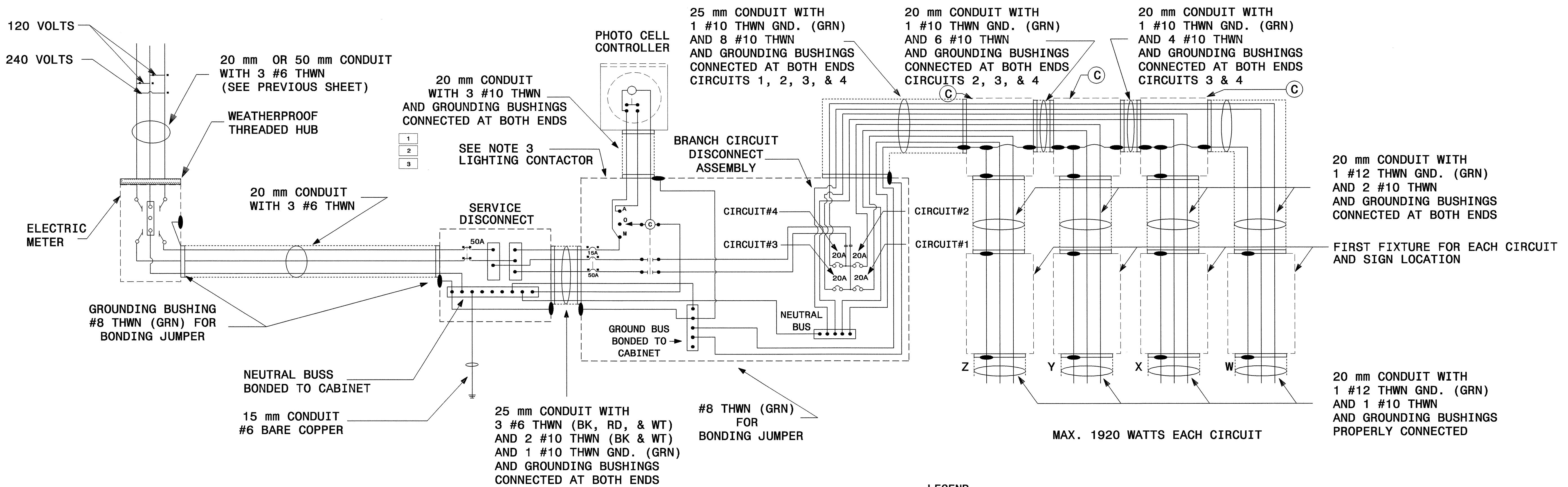


WIRING SCHEMATIC



LEGEND

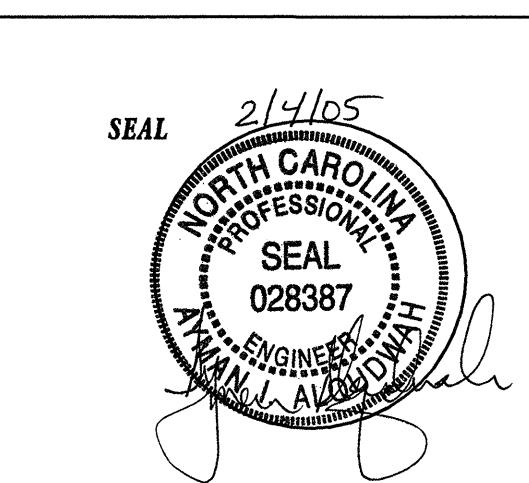
- (A) 20 mm STANDARD LB CONDULET.
- (B) 20 mm LIQUID TIGHT FLEXIBLE METALLIC CONDUIT.
- (C) 115 mm X 115 mm X 100 mm RSS-1 JUNCTION CONDULET.
- (D) 20 mm WATERPROOF ADAPTER.
- (E) 20 mm RIGID GALVANIZED CONDUIT.
- (F) STAINLESS STEEL STRAPS.

NOTES:

1. NAMEPLATE SHALL READ (1) "MAIN", (2) "LIGHTS", (3) "CONTROL".
2. CAULK ALL ENDS OF CONDUIT UNDERGROUND WITH A CAULKING COMPOUND APPROVED BY THE ENGINEER.
3. LABEL THREE POSITION SELECTOR SWITCH "MANUAL", "OFF", AND "AUTO".
4. STRAPS SHALL BE STAINLESS STEEL MATERIAL UNLESS OTHERWISE SPECIFIED.
5. THE CONTRACTOR SHALL USE G.E., HOLOPHANE DELUXE PANEL-VUE OR SIGN-VUE II, OR AN APPROVED EQUIVALENT FIXTURE. THE CONTRACTOR MAY REQUEST APPROVAL TO USE A FIXTURE THAT IS EQUAL TO OR EXCEEDS SPECIFICATIONS FOR THE G.E. OR HOLOPHANE FIXTURES. THE POINT-TO-POINT LIGHTING ANALYSIS WILL BE REQUIRED PRIOR TO THE APPROVAL OF THE LIGHTING SYSTEM.
6. THE CONTRACTOR SHALL VERIFY THE LENGTH OF UNDERGROUND RUN ("H" DISTANCE) AND RE CALCULATE WIRE SIZE (UF WIRE) ACCORDING TO THE NEC (NOT MORE THAN 3% VOLTAGE DROP) FOR EACH OVERHEAD LIGHTING SYSTEM. THESE MEASUREMENTS AND WIRE SIZES SHALL BE SUBMITTED WITH THE CATALOG CUTS FOR APPROVAL.
7. THE CONTRACTOR SHALL PROVIDE AND INSTALL LIGHTING SYSTEM FOR ALL SIGNS, INCLUDING FUTURE SIGNS.
8. ALL UNDERGROUND DUCT SHALL BE INSTALLED BY THE CONTRACTOR USING MINIMUM 50MM DIAMETER RIDGED GALVANIZED STEEL OR RIDGED PVC HEAVY WALL CONDUIT.
9. TEST SYSTEM GROUNDING USING AN APPROVED METHOD. SYSTEM SHOULD MEASURE LESS THAN TWENTY (20) OHMS.
10. ALL ASSEMBLIES AND COMPONENTS SHALL BE UL APPROVED. INSTALLATION SHALL MEET NEC REQUIREMENTS AND ALL APPLICABLE LOCAL AND STATE CODES.
11. THE POSITION OF THE CIRCUIT NO. AND BREAKER NO. IS NOT THE SAME IN THE PANEL.
12. EACH SIGN SHALL HAVE ITS OWN CIRCUIT(S) MAX. 1920 WATTS PER CIRCUIT.
13. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ONLY THE APPROPRIATE NUMBER OF BREAKERS AND WIRE THAT IS REQUIRED IN ACCORDANCE WITH THE NUMBER OF CIRCUITS LISTED FOR A GIVEN LIGHTING SYSTEM.

The following Overhead Assemblies will use this lighting system:

Overhead Assembly B
 Overhead Assembly N



STANDARD LIGHTING SYSTEM FOR
 OVERHEAD SIGN ASSEMBLIES
 (SHEET 2 OF 2)

SCALE	NONE	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	REVISIONS
DATE	01-25-05		
SIGNING TECHNICIAN			
SIGNING ELECTRICAL ENG	M. HOVIOUS		
SIGNING PROJECT ENG	A. ALQUUDWAH		