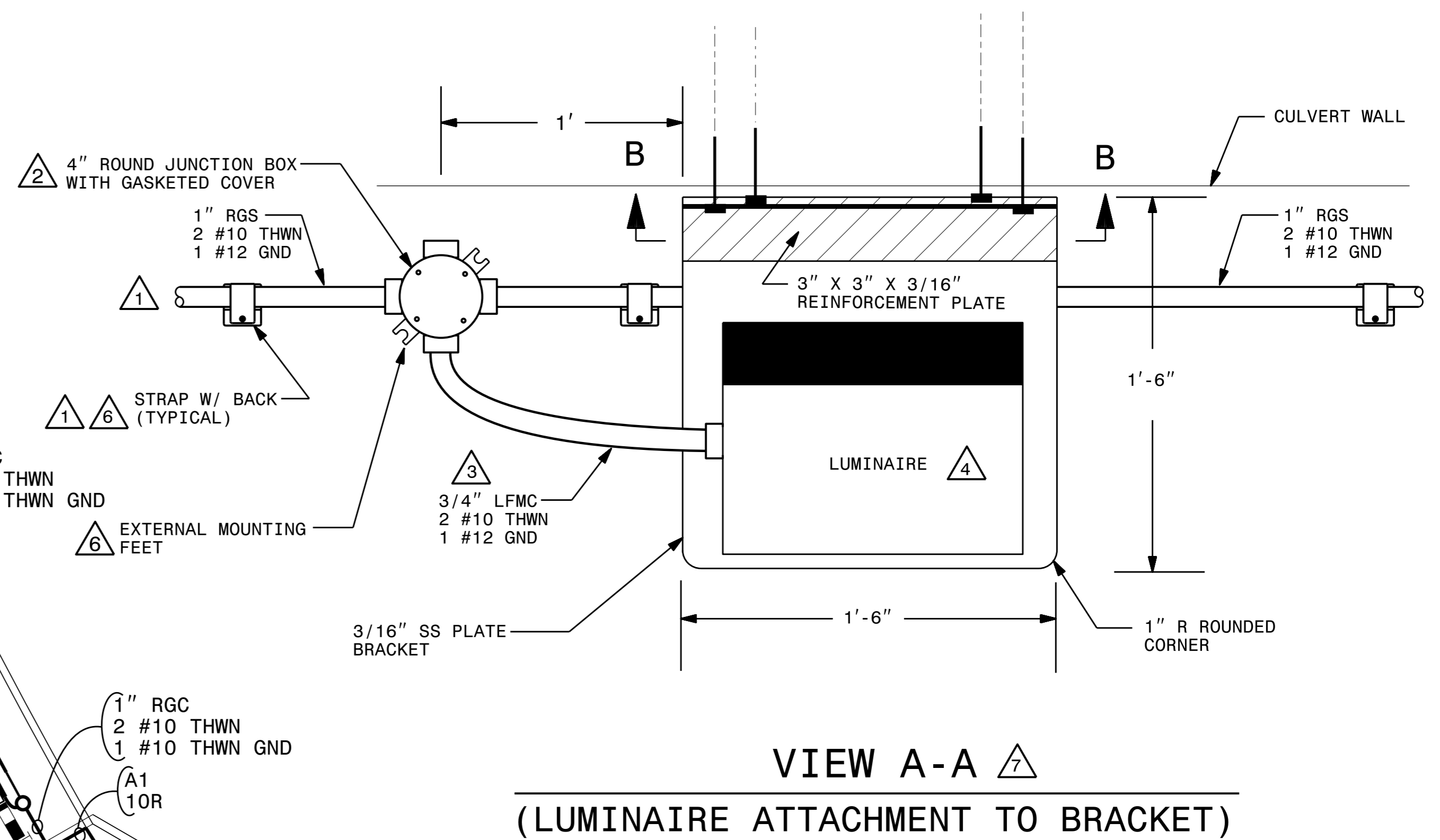
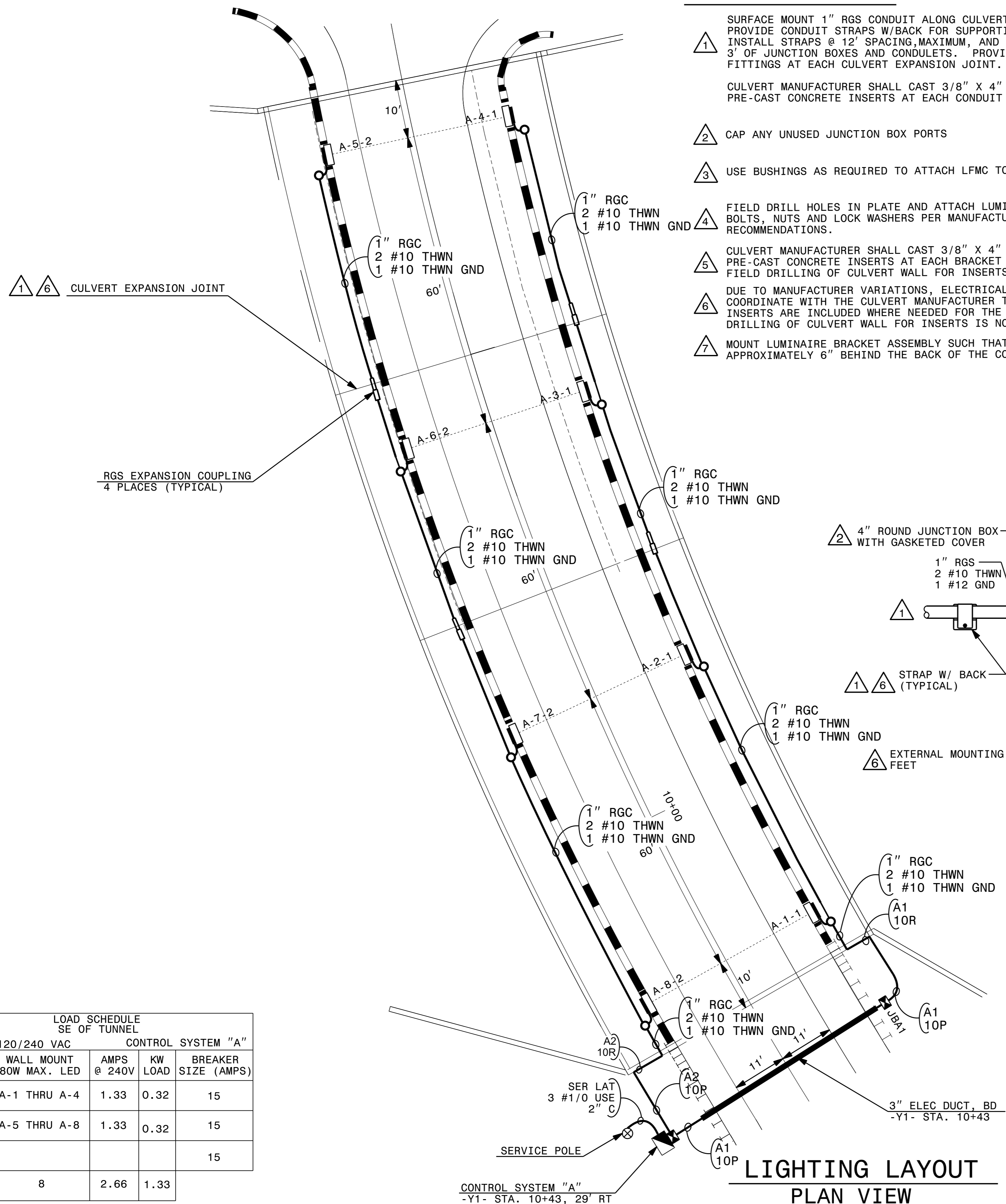
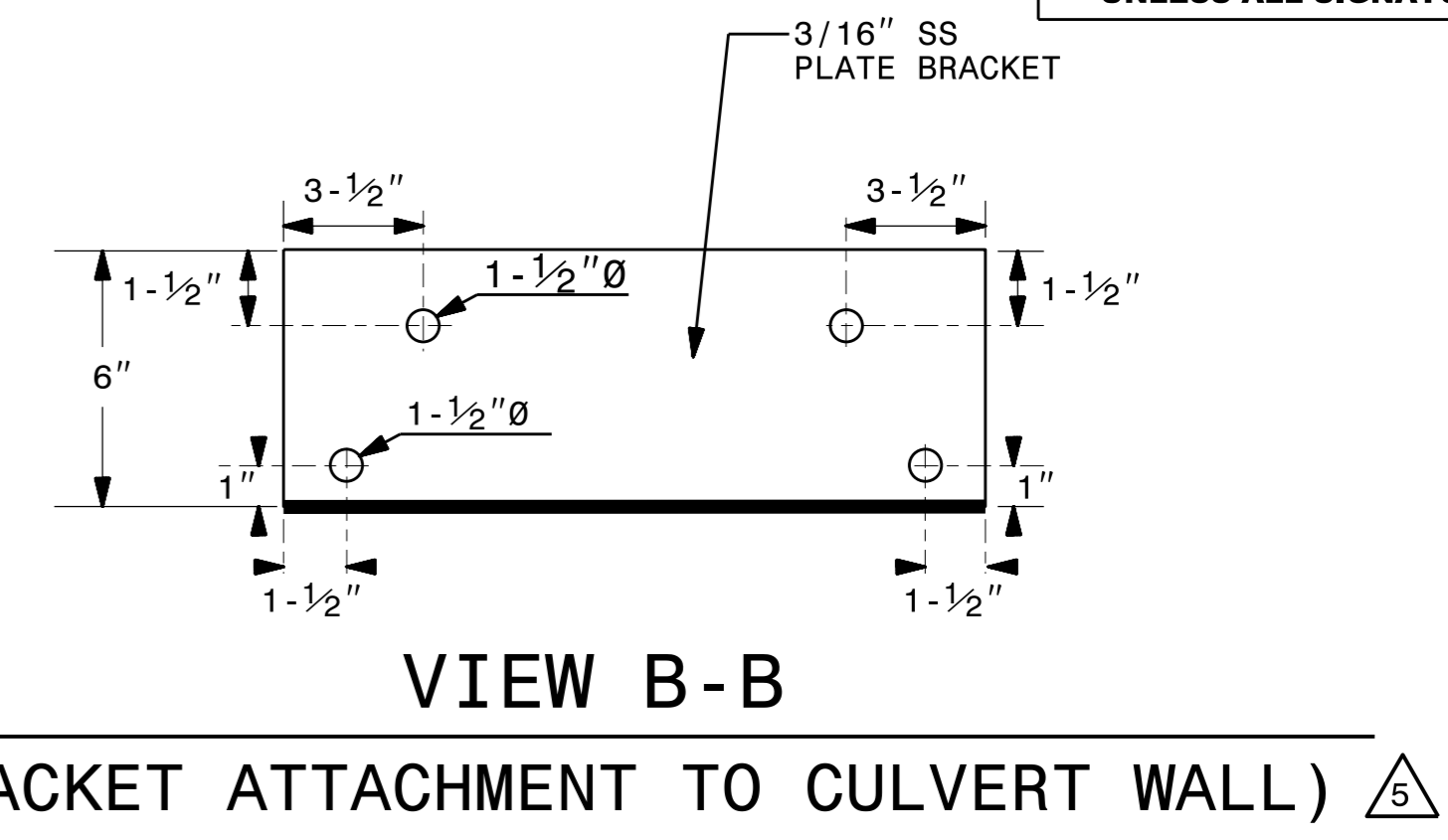


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

USE FOR LIGHTING CONSTRUCTION ONLY

NOTES FOR THIS SHEET

- 1 SURFACE MOUNT 1" RGS CONDUIT ALONG CULVERT WALL SURFACES. PROVIDE CONDUIT STRAPS W/BACK FOR SUPPORTING CONDUITS. INSTALL STRAPS @ 12' SPACING, MAXIMUM, AND INSTALL WITHIN 3' OF JUNCTION BOXES AND CONDULETS. PROVIDE EXPANSION FITTINGS AT EACH CULVERT EXPANSION JOINT.
- 2 CULVERT MANUFACTURER SHALL CAST 3/8" X 4" (MIN.) CARBON STEEL PRE-CAST CONCRETE INSERTS AT EACH CONDUIT STRAPPING POINT.
- 3 CAP ANY UNUSED JUNCTION BOX PORTS
- 4 USE BUSHINGS AS REQUIRED TO ATTACH LFMC TO JUNCTION BOX.
- 5 FIELD DRILL HOLES IN PLATE AND ATTACH LUMINAIRE USING BOLTS, NUTS AND LOCK WASHERS PER MANUFACTURER'S RECOMMENDATIONS.
- 6 CULVERT MANUFACTURER SHALL CAST 3/8" X 4" (MIN.) CARBON STEEL PRE-CAST CONCRETE INSERTS AT EACH BRACKET ATTACHMENT POINT. FIELD DRILLING OF CULVERT WALL FOR INSERTS IS NOT ALLOWED.
- 7 DUE TO MANUFACTURER VARIATIONS, ELECTRICAL SUBCONTRACTOR MUST COORDINATE WITH THE CULVERT MANUFACTURER TO ENSURE CONCRETE INSERTS ARE INCLUDED WHERE NEEDED FOR THE MOUNTING TABS. FIELD DRILLING OF CULVERT WALL FOR INSERTS IS NOT ALLOWED.
- 8 MOUNT LUMINAIRE BRACKET ASSEMBLY SUCH THAT LUMINAIRE IS APPROXIMATELY 6" BEHIND THE BACK OF THE CONCRETE BARRIER.



LOAD SCHEDULE SE OF TUNNEL				
10Ø, 3W, 120/240 VAC CONTROL SYSTEM "A"				
CIRCUIT ID	WALL MOUNT 80W MAX. LED	AMPS @ 240V	KW LOAD	BREAKER SIZE (AMPS)
A1	A-1 THRU A-4	1.33	0.32	15
A2	A-5 THRU A-8	1.33	0.32	15
SPARE				15
	8	2.66	1.33	

CONTROL SYSTEM "A" -Y1- STA. 10+43, 29' RT

NOT TO SCALE

Rev.	Date	Description	Approved
2			
1			

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION
CULVERT LIGHTING LAYOUT
 BEAVERDAM ROAD CULVERT UNDER I-40
 HAYWOOD COUNTY

Drawn By: RGH Approved By: Dwg No.:

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 rghall At RD-329781L