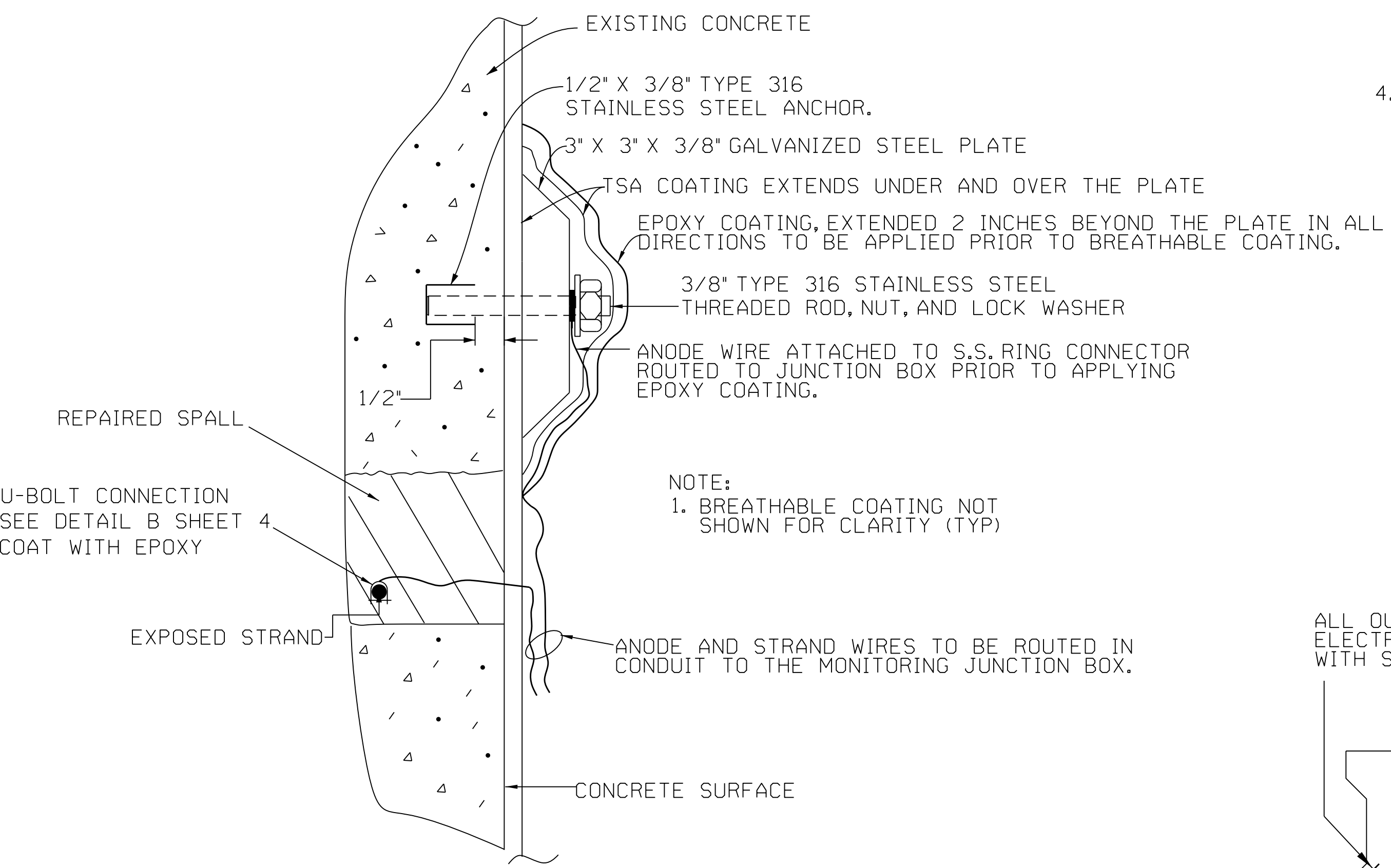
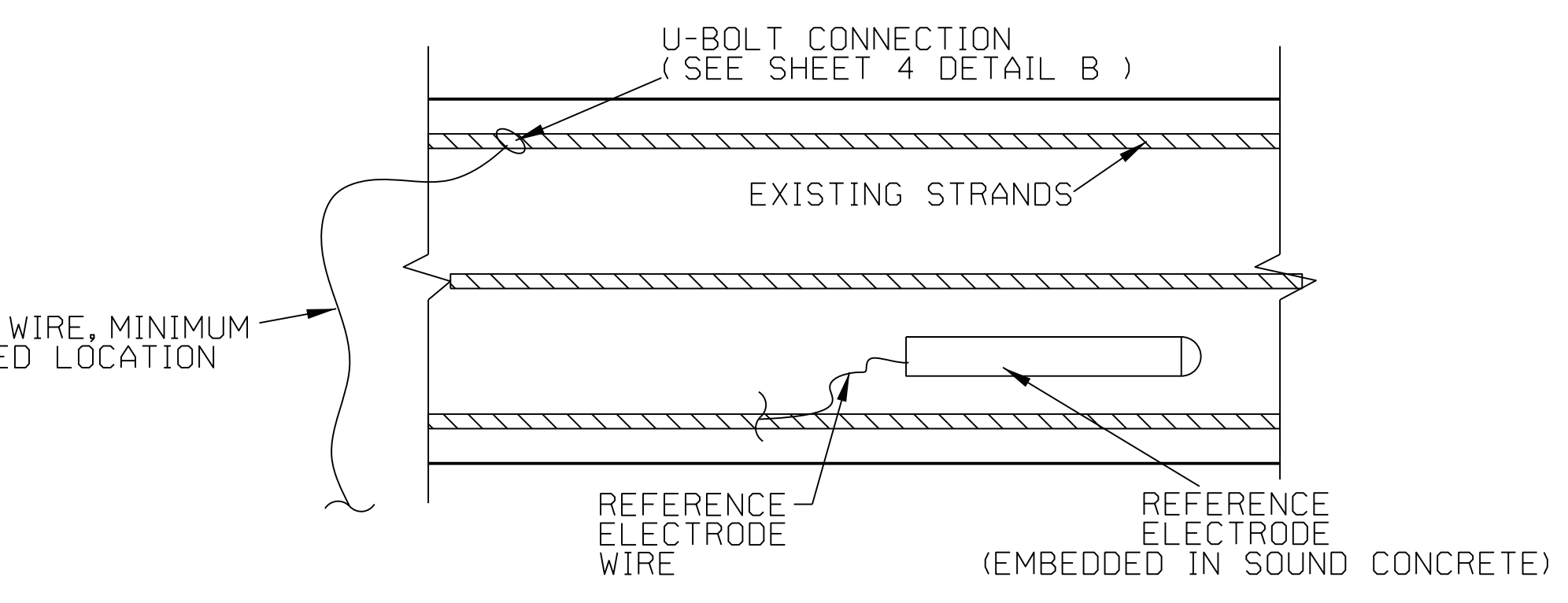


DETAIL 1-ANODE CONNECTION PLATE DETAIL-CP NON-MONITORING ZONE-FULL & PARTIAL LENGTH
NTS



DETAIL 2-ANODE CONNECTION PLATE DETAIL - CP MONITORING ZONE-FULL & PARTIAL LENGTH
NTS

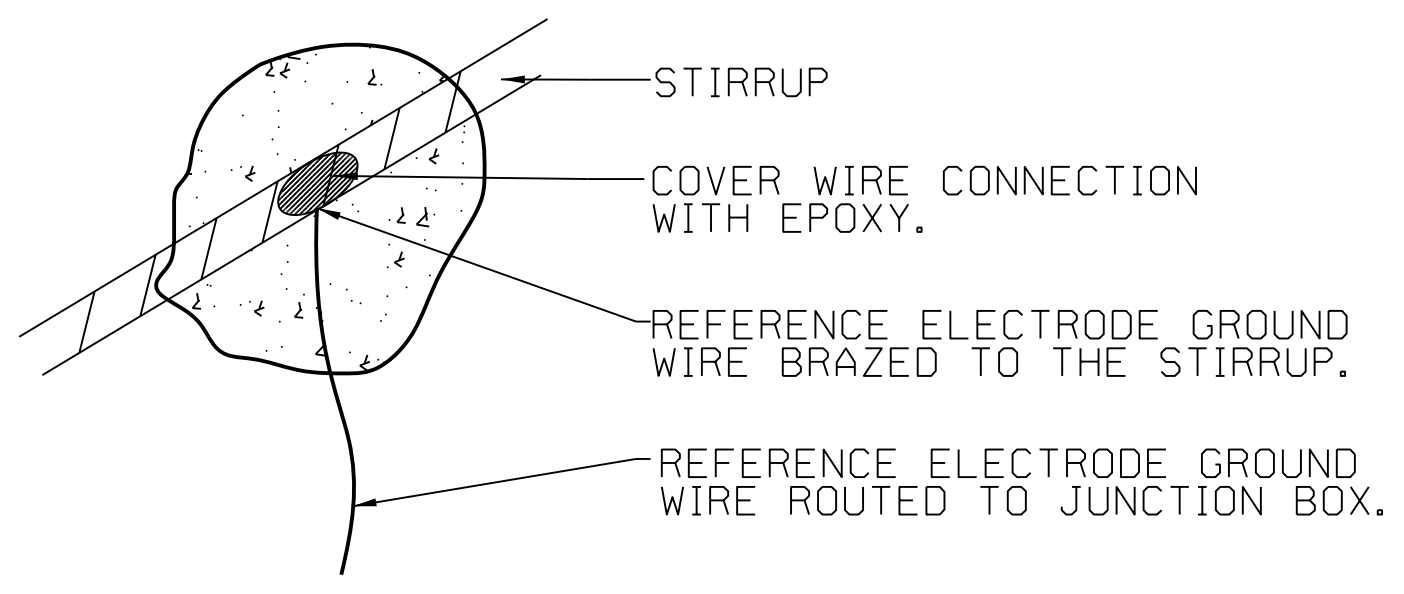
CHECKED BY : G.W.DICKEY DATE : 2/2017



DETAIL 7 REFERENCE ELECTRODE INSTALLATION -MONITORING GIRDER FULL & PARTIAL LENGTH
NTS

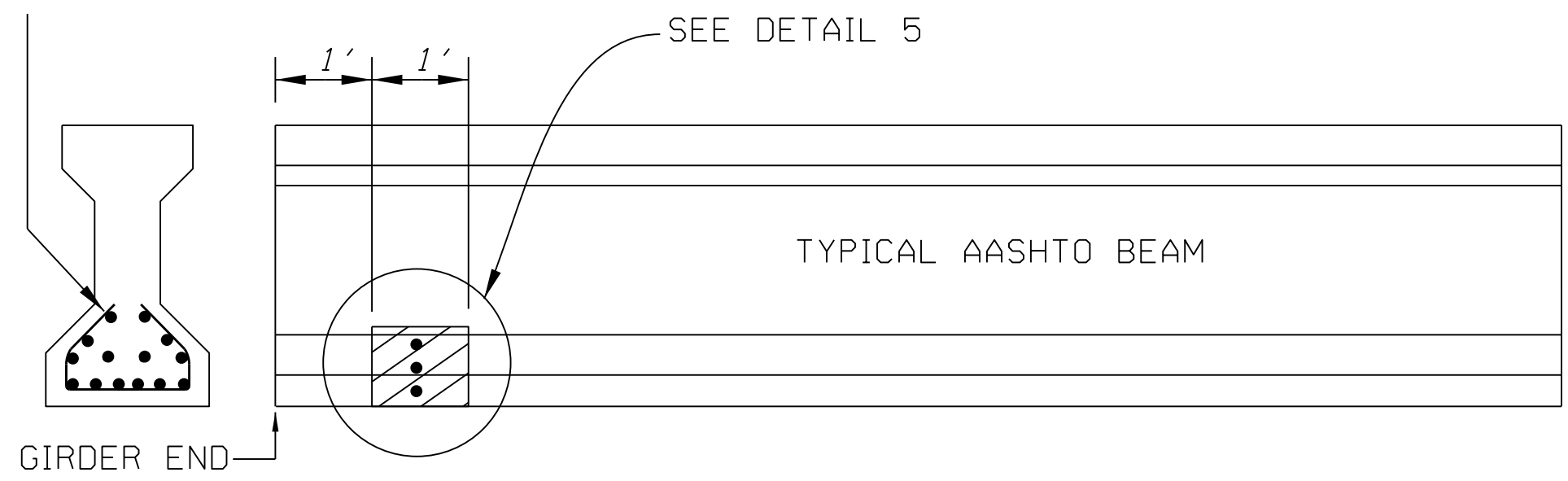
NOTES:

1. THE REFERENCE ELECTRODE GROUND WIRE IS ALLOWED TO BE BRAZED TO A STIRRUP, PROVIDED THAT THE BRAZING CONNECTION IS A MINIMUM OF 18" AWAY FROM THE INTENDED REFERENCE ELECTRODE INSTALLATION LOCATION (SEE DETAIL 6).
2. DO NOT EXPOSE STRAND/REBAR/STIRRUP WHILE INSTALLING REFERENCE ELECTRODE.
3. THE REFERENCE ELECTRODE SHALL BE INSTALLED PARALLEL TO STRANDS. FILL THE EXCAVATION HOLE WITH APPROVED PORTLAND CEMENT PATCHING GROUT WITH 15,000 OHM-CM RESISTIVITY OR LESS. THE REFERENCE ELECTRODE SHALL BE FULLY ENCAPSULATED WITH CEMENTITIOUS BACKFILL MATERIAL. NO VOIDS SHALL BE PERMITTED.
4. THE WIRES FOR THE REFERENCE ELECTRODE SHALL BE ROUTED INSIDE THE CONDUIT TO THE JUNCTION BOX WITHOUT SPLICING.

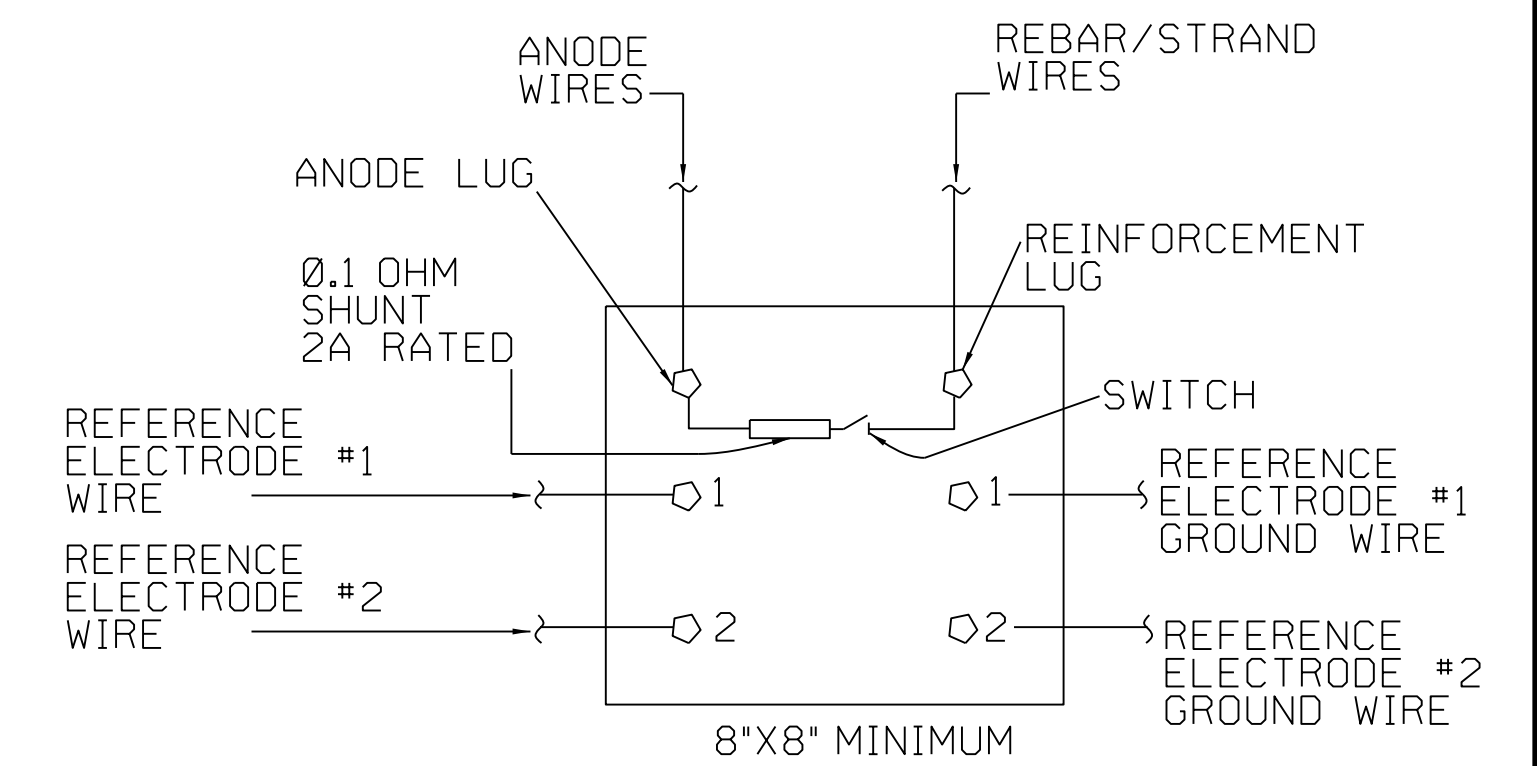


DETAIL 6 - REFERENCE ELECTRODE GROUNDING DETAIL
NTS

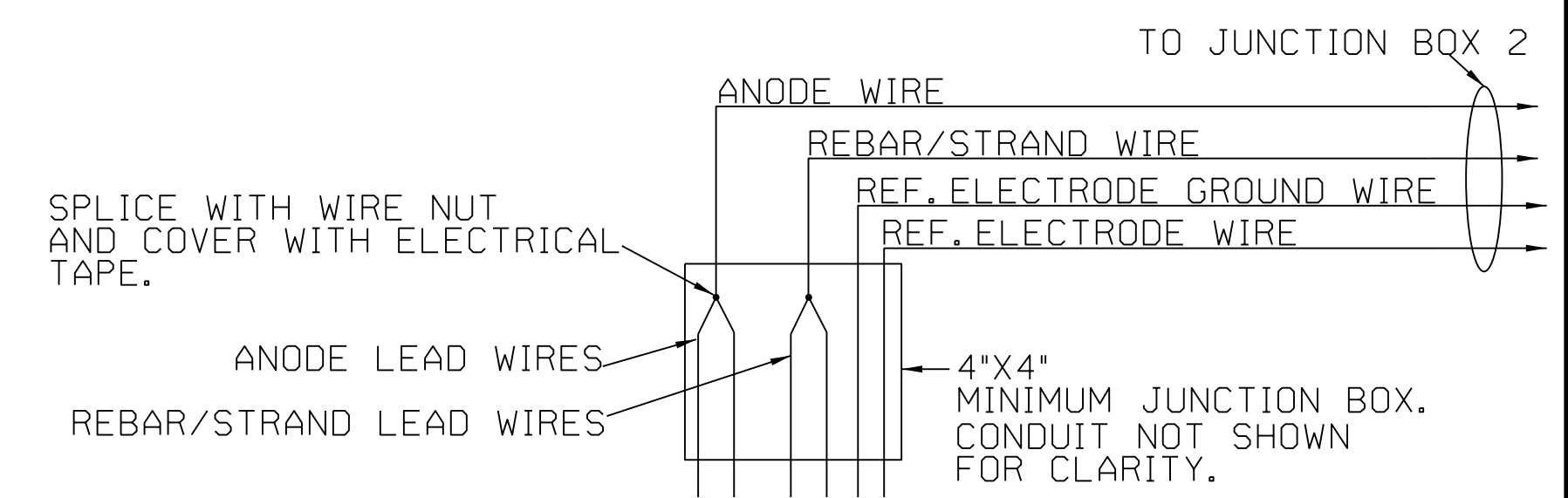
ALL OUTER STRANDS ARE TO BE ELECTRICALLY CONTINUOUS WITH STIRRUP.



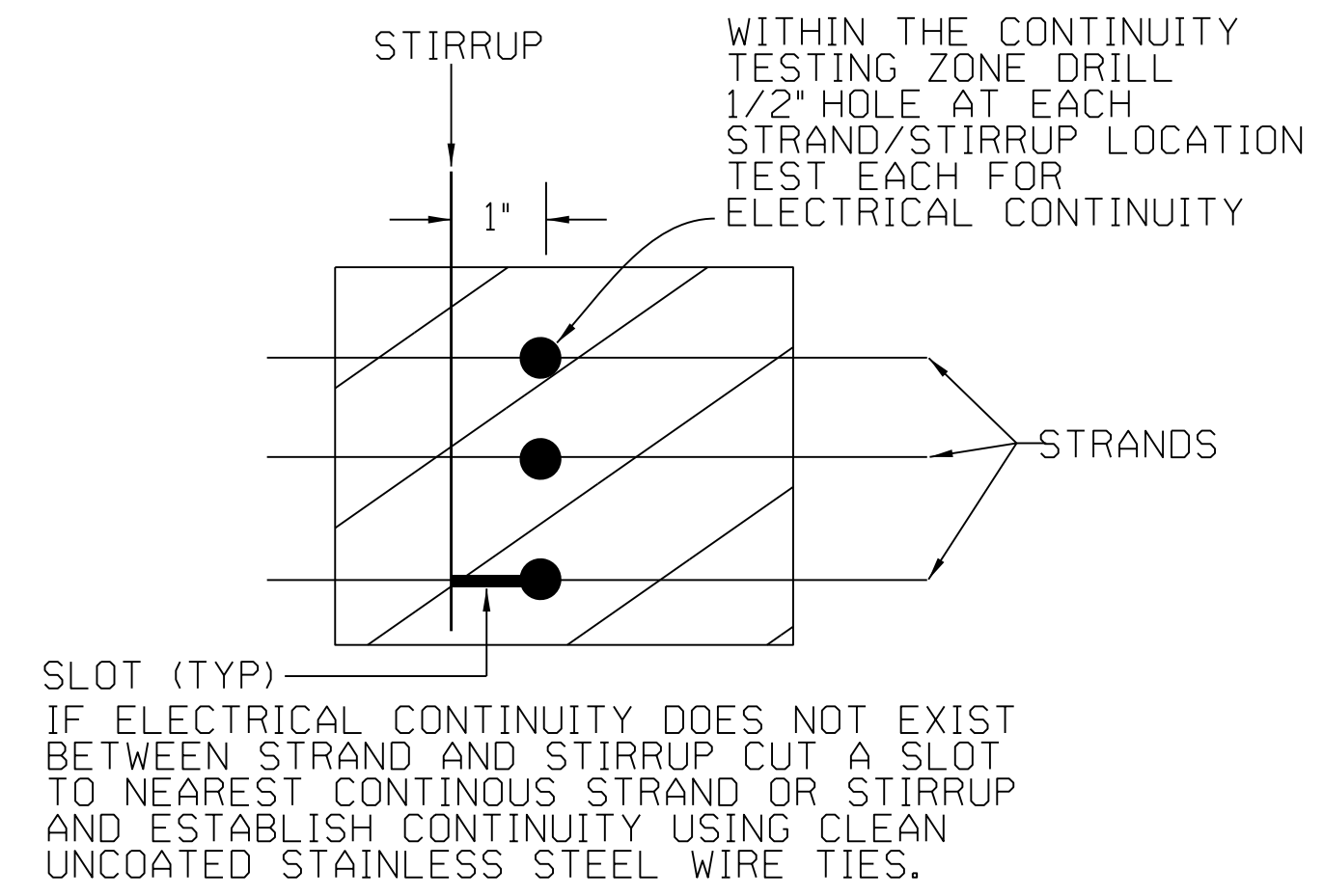
DETAIL 4 -TYPICAL CONTINUITY TESTING AND CORRECTION ZONE-FULL & PARTIAL LENGTH
NTS



DETAIL 3 -MONITORING JUNCTION BOX 2 DIAGRAM
NTS



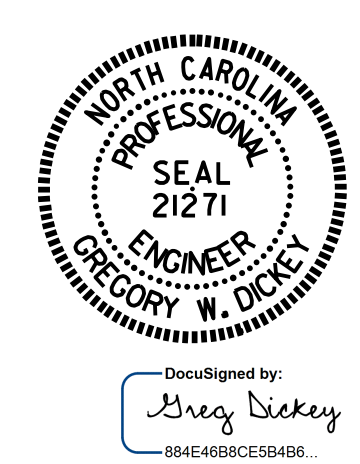
DETAIL 3A-JUNCTION BOX 1 DIAGRAM
NTS



DETAIL 5
NTS

PROJECT NO. B-5939
CARTERET COUNTY
BRIDGE NO. 6

SHEET 3 OF 7



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
REPAIRS TO
PRESTRESSED CONCRETE
GIRDERS WITH THERMAL
SPRAY ANODE CATHODIC
PROTECTION
(TSA COATING)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S2-64
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN: KE 12/29/16
CHECKED: SV 12/29/16

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