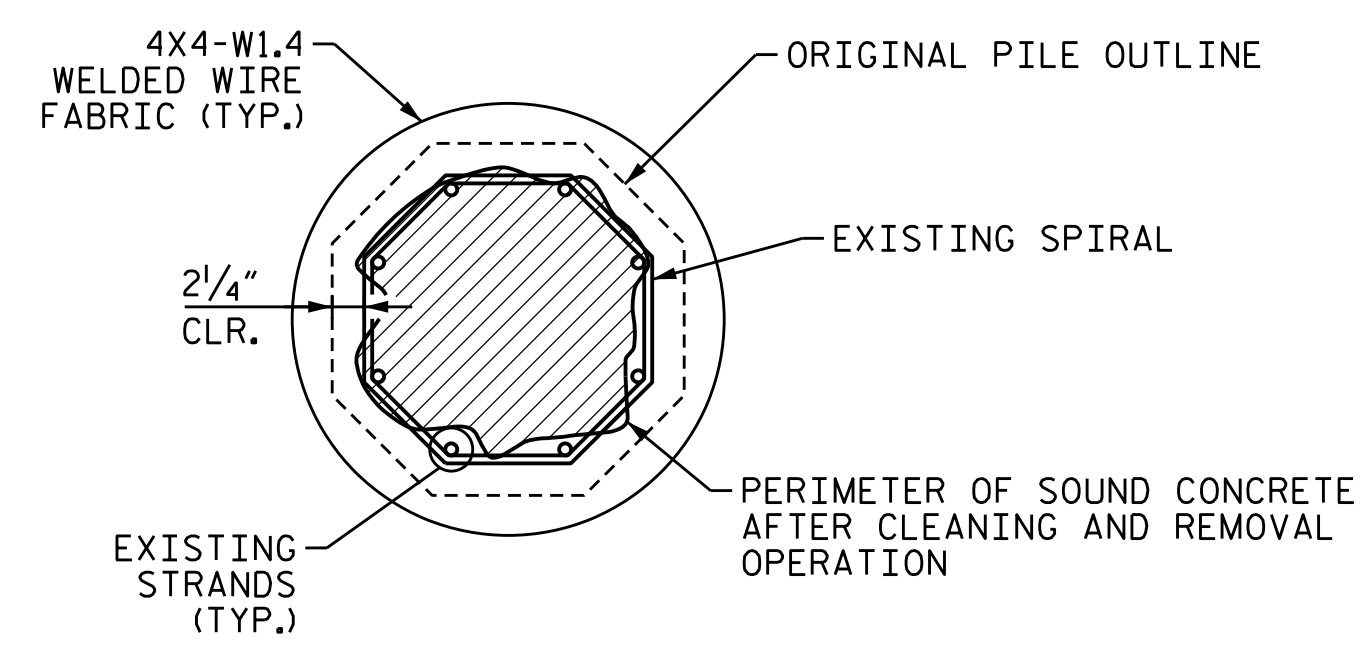
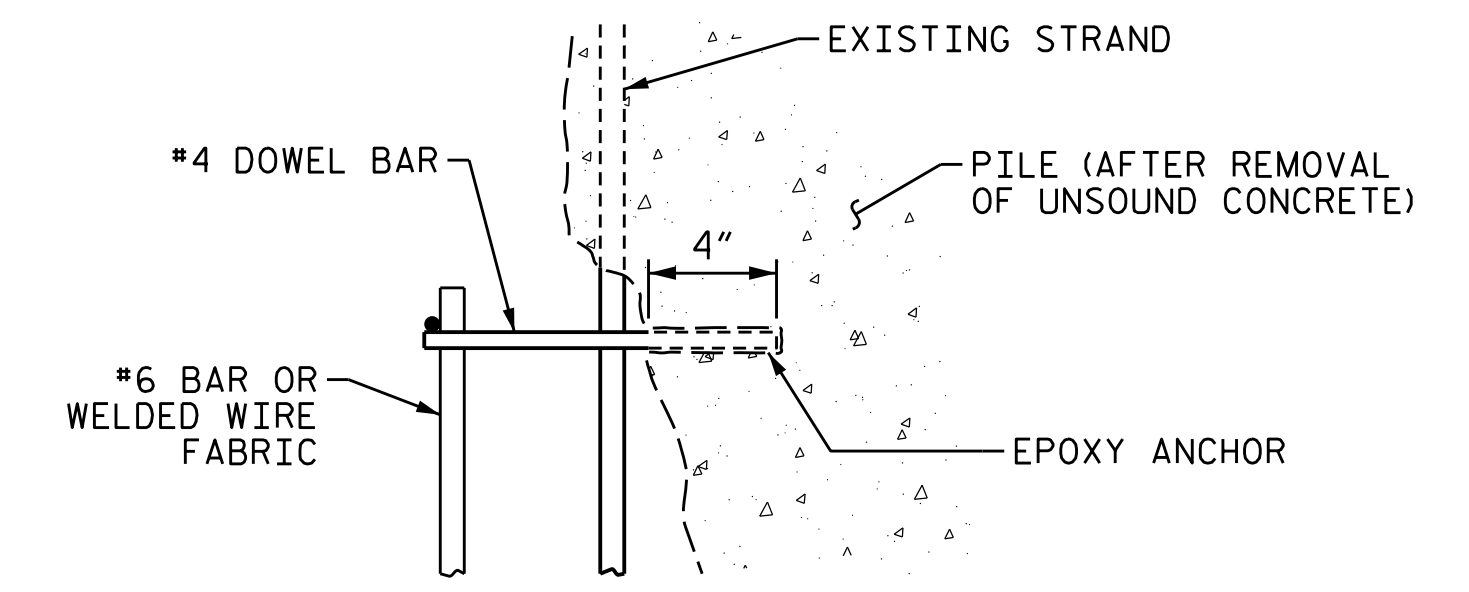


**SCHEME 3**  
NON-STRUCTURAL CATHODIC PILE JACKET  
(JACKET AND GROUT FILLER NOT SHOWN FOR CLARITY)

NOTE:  
MINIMUM STEEL AREA REQUIREMENTS FOR NON-STRUCTURAL CASE 4X4-W1.4 WELDED WIRE FABRIC OR GREATER.



**SECTION E-E**



**DETAIL A**

**SEQUENCE OF CONSTRUCTION FOR PILE JACKETS**

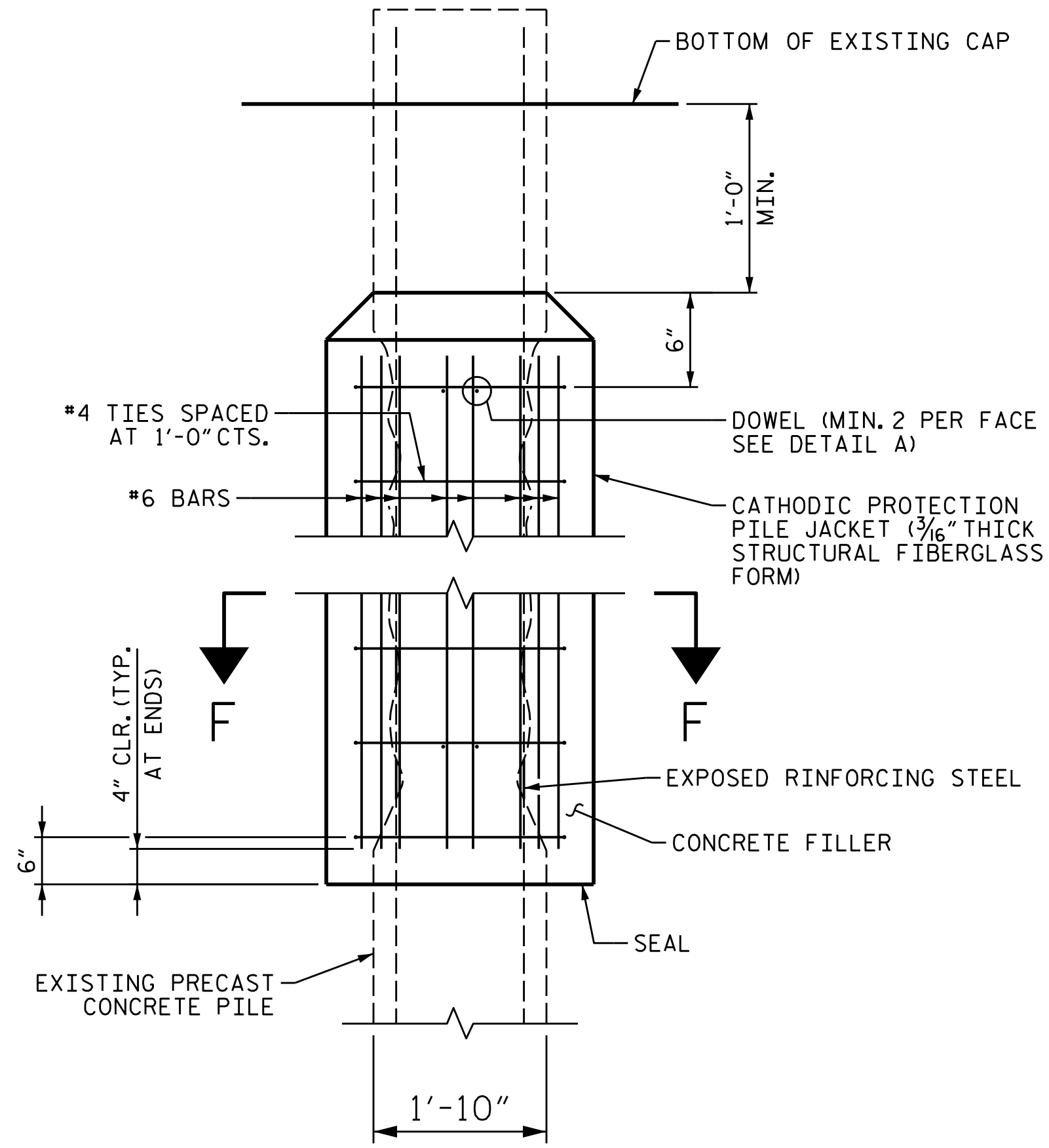
EMBED DOWEL WITH EPOXY AT A POINT WHERE STRAND IS INTACT AND CONTINUOUS WITH THE PILE LENGTH EXTENDING FROM THAT PARTICULAR END OF THE JACKET, MAINTAIN ELECTRICAL ISOLATION BETWEEN DOWEL AND EXISTING PILE REINFORCEMENT.

RESISTANCE WELD DOWEL AT #7 BAR ON WELDED WIRE FABRIC TO ESTABLISH CONDUCTIVITY CONNECTIONS. FOR BELOW WATER JACKET USE MECHANICAL CONNECTIONS. CONTRACTOR TO SUBMIT DETAIL TO ENGINEER FOR APPROVAL.

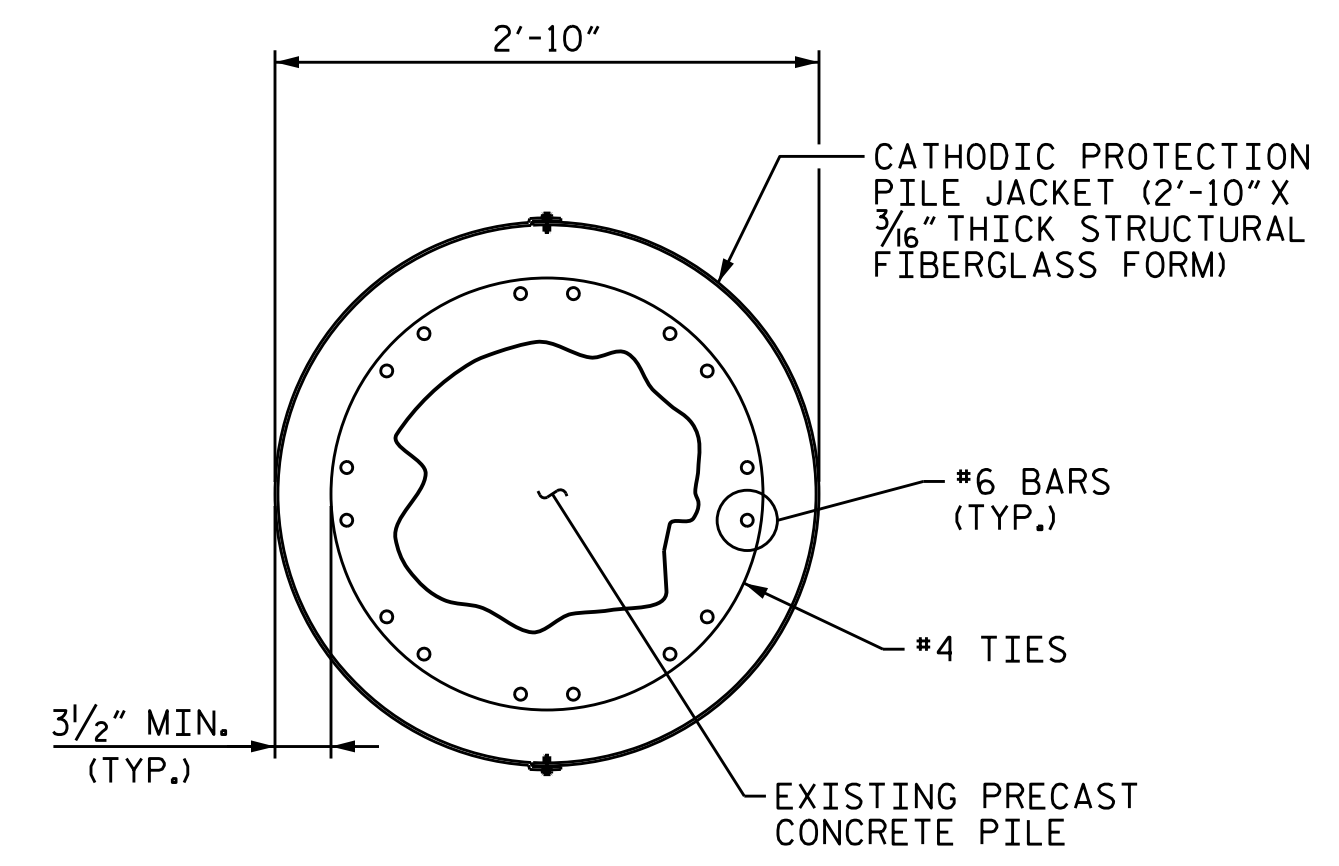
COAT ALL RESISTANCE WELD CONNECTIONS WITH TWO COATS OF 100% SOLID NON-CONDUCTIVE EPOXY.

WIRE TIE ALL INTERSECTIONS OF REINFORCING CAGE.

FILLER FOR JACKETS SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS. REINFORCING FOR JACKETS SHALL BE AS DETAILED ON THIS SHEET.

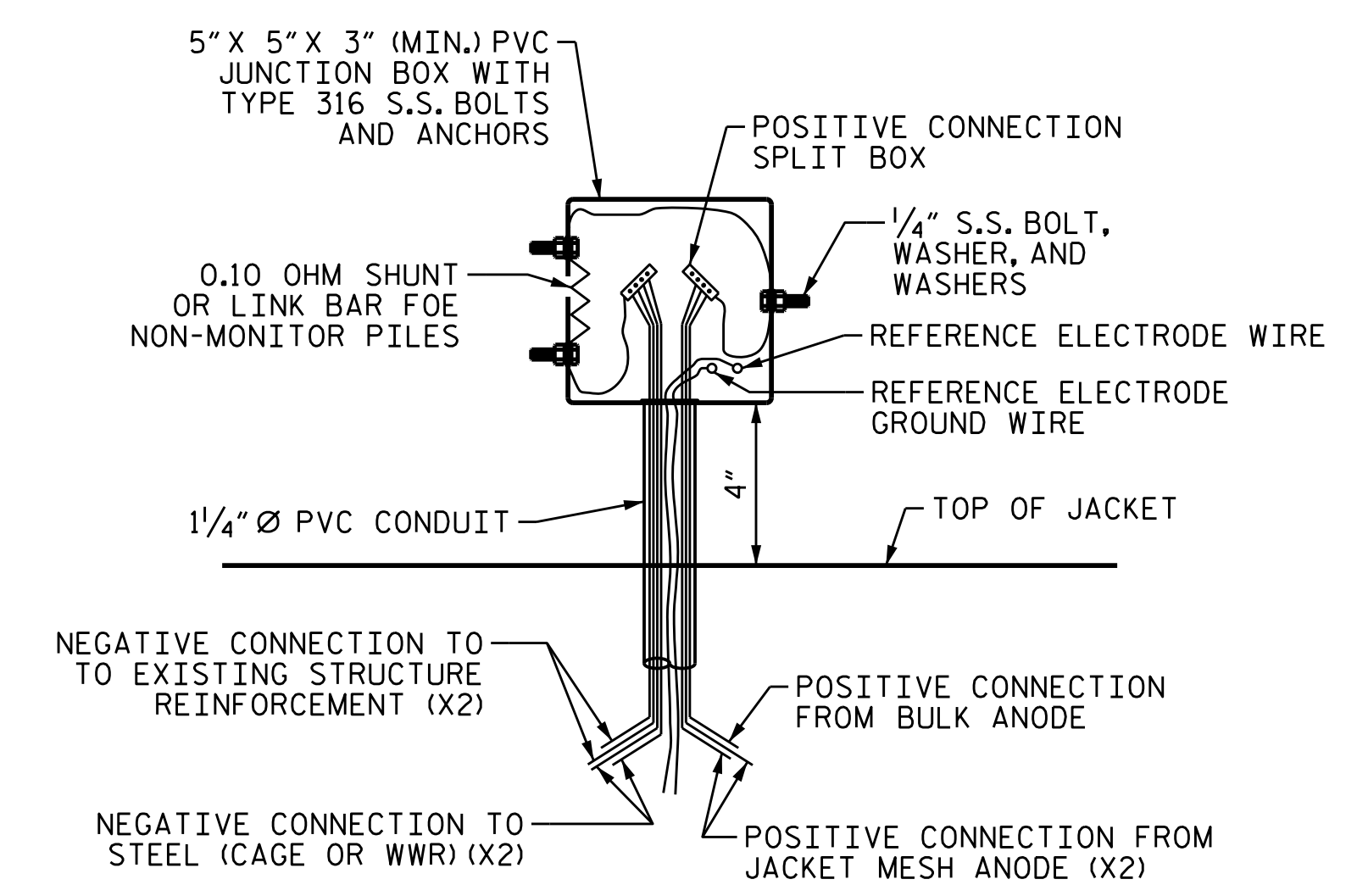


**SCHEME 4**  
STRUCTURAL CATHODIC PILE JACKET  
(CATHODIC COMPONENTS NOT SHOWN FOR CLARITY)



**SECTION F-F**

NOTE:  
PROVIDE ELECTRICAL CONTINUITY BETWEEN THE NEW AND EXISTING STEEL AT THE CONNECTION JUNCTION BOX (SEE JUNCTION BOX DETAILS)



**JUNCTION BOX DETAIL**

PROJECT NO. 15BPR.19  
NEW HANOVER COUNTY  
BRIDGE NO. 640021

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**PILE JACKET DETAILS**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

WSP USA Inc.  
434 FAYETTEVILLE STREET  
SUITE 1500  
RALEIGH, NC 27601  
TEL: 1.919.836.4040  
LICENSE NO. F-0165

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-55
1			3			TOTAL SHEETS
2			4			58

10/18/2020 L:\Raleigh Office Projects\Structures\2018\188906-05 NCDOT - 640021 New Hanover Co.05 Plans\1.0 DGN\401.280.15BPR.19\_SML.DT\_P.Jacket03\_S-55.dgn

DRAWN BY: M.J. OSTRISHKO DATE: JUL 2018  
CHECKED BY: C.J. HOWARD DATE: JUL 2018