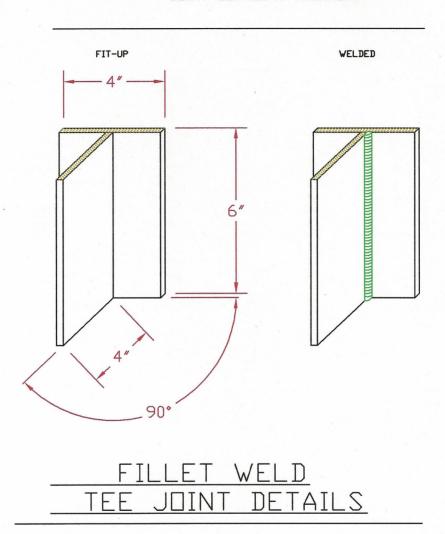
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FILLET WELD CERTIFICATION TEST (PREREQUISITE FOR GROOVE TEST) WELDING PROCEDURE SPECIFICATION (WPS) AWS D1.5

Specifications & Codes: NCDOT Standard Specifications/AASHTO/AWS D1.5, Section 2, 5 and 12								
Material Specifications: ASTM A-36, 3/8" THICK								
Welding Process: SMAW				Manual or Semi- Automatic or Automatic: Manual				
Filler Metal Specification: NCDOT Approved Manufacturer: Electrodes			oved	Single or	ſ		E-7018 Position of Weld	— Vertical
				olarity: Pos				Vertical - up
D. of Tourism				N/A				
Preheat Temp: 50° minimum				Interpass: 450° maximum			Post Heat:	N/A
Pass Num.	Electrode Size			Travel Speed			Joint Details	
All	1/8"	90-150 20-23 6-9 ipm			SEE ATTACHMENT			
PREHEAT Thickness Min Temp. Up to 3/4" 50° WPS Fillet Weld Certification Test				COMMENTS: Remove all rust and mill scale within one inch of the area to be welded prior to fit-up. Remove all slag and spatter between passes. Clean the completed weld of all debris, slag and spatter. The fillet weld size shall be as directed by the examination proctor. Written By: Randy Dempsey, CWI/CWE, Transportation Technician IV				
WPS #:		040209008		Signature:		Randy Dempsey Steve Walton, Metals Engineer		
Revision	#: 	3		Signature:		Lother		

WPS FILLET WELD CERTIFICATION TEST 040209008 R3 prerequisite for groove test JOINT DETAIL ATTACHMENT



Weld Symbol definitions per AWS A2.4:2007



Illustrations for Fillet Weld Certification (prerequisite for Bridge Welder and Pipe Welder Certification).



Coupon Fit-up.



Completed weld.

NCDOT MATERIALS & TESTS UNIT (STEEL SECTION)