PPPL NONCO	NFORMANO	C INCI OIN	110.	Open				
Status	2 - Disposition	Needed		Trend	07-C	out Of Toleranc	е	
Department	NCSX			Division	NCS	X Project		
Source/Org	VENDOR							
Item Dwg/Part#	NCSX-CSPEC-1	121-02-06	Procurement #	# S0052	243-F	С	ost Cent	er
RAP# 3245	Job Doc #	S005243-F	Vendor	MAJOR T	TOOL A	ND MACHINE,	INC.	
RAP Title Field	— Period Assembly	Component Rec				,		
HoldTag Ap	inlind	<u> </u>						_
- Henning A	aprile d							
and Annex II. All of requires a larger fille	hed port to vesse the undersize are et weld size than i ent 2) and pictures	I fillet welds (Atta eas are where th indicated on the s of effected area	e angle between the weld symbol in are as (Attachment 3)	ound to be une port and eas greater t	indersize the ves han 90	ze in accordancesel is greater the order to pro	nan 90°. A duce a we	S D1.6 paragraph 6.29.1 nnex II of AWS D1.6 eld of equal strength. eld inspection on the
Lot Size Recd	0 Phelps C	Sample Size	Insp 0		Lot	Rejected Validat	# Rej	jected 0 05/30/06
Disposition: Re	work* Repa	ir* Use As	s Is* Returi	n To Vend	dor*	Scrap*		
For rework or re	pair of vendor	supplied equ	lipments, fill in	informati	on be	low:	Dist	tribution
For rework or re #Hours	pair of vendor	supplied equ \$Est Labor		informati	on be	low:	Cog	M. Viola
			,		on be	low:	Cog Insp Proj.	M. Viola Phelps C Doc Control (when
#Hours \$Materia		\$Est Labor	,	G&A	on be	low:	Cog	M. Viola p Phelps C Doc Control (when ed)
#Hours \$Materia Disposition By	ı <u> </u>	\$Est Labor	,	G&A GTotal	Date	low:	Cog Insp Proj. close QC F Mals	M. Viola p Phelps C Doc Control (when ed) Files bury J
#Hours \$Materia Disposition By Supervisor's Co	oncur	\$Est Labor	,	G&AGTotal	Date Date	low:	Cog Insp Proj. close QC F Mals Boso	M. Viola p Phelps C Doc Control (when ed) Files bury J coe J
#Hours \$Materia Disposition By Supervisor's Co Eng. Dept. Head	oncur	\$Est Labor	,	G&A GTotal	Date Date Date	low:	Cog Insp Proj. close QC F Mals Boso Malir	M. Viola p Phelps C Doc Control (when ed) Files bury J
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Disposition:	Rework	Repair	Use As Is	Return to Vendor	Scrap
For rework or	repair of vend	dor supplied e	equipment, fill in	information below:	
# Hou	rs	\$ Est Lab	or	\$ G&A	
\$ Mate	erial	\$ Burden		\$ Total	
Disposition b	у				
Supervisor's	Concurrence				
Eng. Dept. He	ead Concurren	ce			
Other (i.e., W	CO/FPE) Conc	urrence			
PQA/QC Mgr	Disposition Co	oncurrence			
QA Field Veri	fication by				
					NCR, p. 2

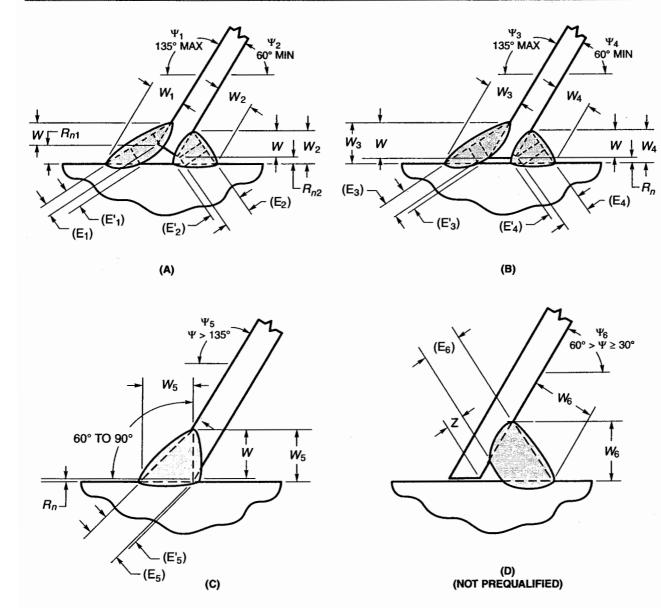
NCR 3655 - Attachment 1

Port to Vessel Fillet Welds

Port Dwg Weld No. Size		Length of Undersize	Actual Weld Size	Angle Port to Vessel	Annex II Weld Size	
9B	3/16"	1 area 5"	1/8"	125°	0.23"	
		1 area 2", 1 area		1 area 135°, 1 area		
4A	3/16"	2.5"	1/8"	125°	0.23" to 0.25"	
				1 area 135°, 1 area		
NB	3/16"	2 areas 2" ea.	1/8"	125°	0.23" to 0.25"	
11A	3/16"	1 area 3.5"	1/16"	155°	> 0.25"	
11B	3/16"	1 area 3"	1/16"	155°	> 0.25"	
10A	3/16"	1 area 3"	1/8"	110°	0.22"	
Dome						
В	3/16"	1 area 2"	1/8"	Not able to measure	> 3/16"	

Table II-1	
Equivalent Fillet Weld Leg Size Factors for Skewed T-Joints (see A	nnex II)

Dihedral angle, Ψ	60°	65°	70°	75°	80°	85°	90°	95°
Comparable fillet weld size for same strength	0.71	0.76	0.81	0.86	0.91	0.96	1.00	1.03
Dihedral angle, Ψ	100°	105°	110°	115°	120°	125°	130°	. 135°
Comparable fillet weld size for same strength	1.08	1.12	1.16	1.19	1.23	1.25	1.28	1.31



- (E)_(n), (E')_(n) = Effective throat dependent on magnitude of root opening (R_n) (see 5.4.1). (n) represents 1 through 5.
 t = thickness of thinner part.
 Not prequalified for gas metal arc welding using short circuiting transfer.

Figure II-1—Details for Skewed T-Joints^{1,2,3} (see 2.17)

VVSA-1 Undersize fillet weld areas – port to vessel welds – 5/30/06















4A-1



4A-2



