



QUALIFICATION SUMMARY
GTAW per AWS D17.1/D17.1M

Name: Valley Tool & Mfg	ID:	Welder ☐	Operator ☐	Corrected Vision Yes ☐ No ☐			
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Base Metal Group No. IA & IB	Single Weld ☒ Double Weld ☒							
Current	AC ☐	DCEN ☒	DCEP ☐	Backing	With ☒	Without ☒		
Vertical	Down ☐	Up ☐		Penetration	Complete ☒	Partial ☒		
Weld Class A, B and C	T, in						O.D., in	
	Position			Min		Max	Min	
Sheet Groove	1G ☒	2G ☐	3G ☐	4G ☐		.021"	.252"	.375"
Tube Groove	1G ☒	2G ☐	5G ☐	6G ☐		.021"	.252"	
Sheet Fillet	1F ☒	2F ☒	3F ☐	4F ☐		.021"	.252"	
Tube Fillet	1F ☒	2F ☒	4F ☐	5F ☐		.021"	.252"	

Base Metal Group No. IIA	Single Weld ☒ Double Weld ☒							
Current	AC ☐	DCEN ☒	DCEP ☐	Backing	With ☒	Without ☒		
Vertical	Down ☐	Up ☐		Penetration	Complete ☒	Partial ☒		
Weld Class A, B and C	T, in						O.D., in	
	Position			Min		Max	Min	
Sheet Groove	1G ☒	2G ☐	3G ☐	4G ☐		.014"	.160"	1.0"
Tube Groove	1G ☒	2G ☐	5G ☐	6G ☐		.014"	.160"	
Sheet Fillet	1F ☒	2F ☒	3F ☐	4F ☐		.027"	.160"	
Tube Fillet	1F ☒	2F ☒	4F ☐	5F ☐		.027"	.160"	

Base Metal Group No. IIB	Single Weld ☒ Double Weld ☒							
Current	AC ☐	DCEN ☐	DCEP ☐	Backing	With ☒	Without ☒		
Vertical	Down ☐	Up ☐		Penetration	Complete ☒	Partial ☒		
Weld Class A, B and C	T, in						O.D., in	
	Position			Min		Max	Min	
Sheet Groove	1G ☒	2G ☐	3G ☐	4G ☐		.027"	.160"	1.0"
Tube Groove	1G ☒	2G ☐	5G ☐	6G ☐		.027"	.160"	
Sheet Fillet	1F ☒	2F ☒	3F ☐	4F ☐		.027"	.160"	
Tube Fillet	1F ☒	2F ☒	4F ☐	5F ☐		.027"	.160"	

Base Metal Group No. IIIA	Single Weld ☒ Double Weld ☒							
Current	AC ☐	DCEN ☐	DCEP ☐	Backing	With ☒	Without ☒		
Vertical	Down ☐	Up ☐		Penetration	Complete ☒	Partial ☒		
Weld Class A, B and C	T, in.						O.D., in	
	Position			Min		Max	Min	
Sheet Groove	1G ☒	2G ☐	3G ☐	4G ☐		.027"	.160"	1.0"
Tube Groove	1G ☒	2G ☐	5G ☐	6G ☐		.027"	.160"	
Sheet Fillet	1F ☒	2F ☒	3F ☐	4F ☐		.027"	.160"	
Tube Fillet	1F ☒	2F ☒	4F ☐	5F ☐		.027"	.160"	



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GTAW per AWS D17.1/D17.1M

Name: Valley Tool & Mfg.	ID:	Welder ☐	Operator ☐	Corrected Vision Yes ☐ No ☐		
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Base Metal Group No. IIIB NONE	Single Weld ☐ Double Weld ☐				O.D., in T, in Max Min		
Current	AC ☐	DCEN ☐	DCEP ☐	Backing			With ☐ Without ☐
Vertical	Down ☐	Up ☐	Penetration	Complete ☐ Partial ☐			
	Position						
	Min						
Sheet Groove	1G ☐	2G ☐	3G ☐	4G ☐			
Tube Groove	1G ☐	2G ☐	5G ☐	6G ☐			
Sheet Fillet	1F ☐	2F ☐	3F ☐	4F ☐			
Tube Fillet	1F ☐	2F ☐	4F ☐	5F ☐			

Base Metal Group No. IV	Single Weld ☒ Double Weld ☒				O.D., in T, in Max Min		
Current	AC ☒	DCEN ☐	DCEP ☐	Backing			With ☒ Without ☒
Vertical	Down ☐	Up ☐	Penetration	Complete ☒ Partial ☒			
	Position						
	Min						
Sheet Groove	1G ☒	2G ☒	3G ☐	4G ☐	.021"	.160"	
Tube Groove	1G ☒	2G ☒	5G ☐	6G ☐	.021"	.160"	
Sheet Fillet	1F ☒	2F ☒	3F ☒	4F ☐	.021"	.500"	
Tube Fillet	1F ☒	2F ☒	4F ☒	5F ☐	.021"	.500"	

Base Metal Group No.	Single Weld ☐ Double Weld ☐				O.D., in T, in Max Min		
Current	AC ☐	DCEN ☐	DCEP ☐	Backing			With ☐ Without ☐
Vertical	Down ☐	Up ☐	Penetration	Complete ☐ Partial ☐			
	Position						
	Min						
Sheet Groove	1G ☐	2G ☐	3G ☐	4G ☐			
Tube Groove	1G ☐	2G ☐	5G ☐	6G ☐			
Sheet Fillet	1F ☐	2F ☐	3F ☐	4F ☐			
Tube Fillet	1F ☐	2F ☐	4F ☐	5F ☐			

Base Metal Group No.	Single Weld ☐ Double Weld ☐				O.D., in T, in Max Min		
Current	AC ☐	DCEN ☐	DCEP ☐	Backing			With ☐ Without ☐
Vertical	Down ☐	Up ☐	Penetration	Complete ☐ Partial ☐			
	Position						
	Min						
Sheet Groove	1G ☐	2G ☐	3G ☐	4G ☐			
Tube Groove	1G ☐	2G ☐	5G ☐	6G ☐			
Sheet Fillet	1F ☐	2F ☐	3F ☐	4F ☐			
Tube Fillet	1F ☐	2F ☐	4F ☐	5F ☐			