		DESIGN: CHECK: STRUCTURE <mark>:</mark>	BCW	DATE:	1/1/22 2/8/22	UPDATE: RECHECK: SFN:	MRV GLA 8301778	DATE:	6/14/22 6/15/22 102726
950 Goodale Boulevard, Suite 180 • Columbus, Ohio 4 614-586-0642 • Fax 614-586-0648 DESCRIPTION: <u>STRUCTURAL</u> SUPPLEMENTAL DESCRIPTION:			Estimated C	Quantities - Fi	PAY UNIT: nal Tracings				
								SUBTOTAL	TOTAL
End Crossframes:									
4x4x3/8" Angles:									
Area:	2.86	in ²							
Length 1:	3.4	ft ft		n OpenRoads					
Length 2: Length 3:	2.2 2.2	ft		n OpenRoads n OpenRoads					
Length 4:	3.3	ft		n OpenRoads					
Length 5:	8.8	ft		n OpenRoads					
		_		·					
Volume/Xframe:	0.4	ft ³							
No. of Xframes:	6.0	ea							
Volume:	2.4	ft ³							
1/2" Plates:									
Thickness:	0.5	in							
Area 1:	0.0	ft ²	Measured i	n OpenRoads					
Area 2:	0.0	ft ²		n OpenRoads					
Area 3:	1.7	ft ²	Measured i	n OpenRoads					
		c. ³							
Volume/Xframe: No. of Xframes:	0.1 6.0	ft ³							
No. of Arrames:	6.0	ea							
Volume:	0.4	ft ³							
Total Volume:	2.8								
Wt. (490 lb/cf w/ 5% contingency):	1434	lbs	use	1440	lbs			1,440	1,440
SPECIAL INSTRUCTIONS: CHECK UNIT teed: 8/10/2022 3:52 PIVI	OF MEA	SURE						TOTAL	1,440

SPECIAL INSTRUCTIONS: CHECK UNIT OF MEASURE Printed: 8/10/2022 3:52 PW

File: P:_OHDOT_Worksets\102726\400-Engineering\Structures\SFN_8301778\EngData\Spreadsheets\Quantities\2022-06-14.WAR-71-1.69_11.04_13.71 IrwikiGiksheets:E5til3Eati@201 Quantities - Final Tracings 28 OF 51

E.L. ROBINSON		DESIGN CHECK STRUCTURE		DATE:	12/13/21 2/8/22	UPDATE: RECHECK: SFN:	GLA MRV <mark>8302162</mark>	DATE:	6/9/22 6/9/22 102726
Goodale Boulevard, Suite 180 • Columbus, Ohio 4 614-586-0642 • Fax 614-586-0648 DESCRIPTION: STRUCTURAL			: Estimated (10201 Quantities - Fi R PLAN	PAY UNIT:	LB			
SUPPLEMENTAL DESCRIPTION:))						SUBTOTAL	TOTAL
Crossframes:									
4x4x3/8" Angles:									
Area:	2.86	in ²							
Length 1:	3.4	ft	Measured i	n OpenRoads	5				
Length 2:	2.2	ft	Measured i	n OpenRoads	5				
Length 3:	2.2	ft	Measured i	n OpenRoads	5				
Length 4:	3.3	ft		n OpenRoads					
Length 5:	8.8	ft		n OpenRoads					
Volume/Xframe:	0.4	ft ³							
No. of Xframes:	6.0	ea							
Volume:	2.4	ft ³							
1/2" Plates:									
Thickness:	0.5	in							
Area 1:	0.0	ft ²	Measured i	n OpenRoads	:				
Area 2:	0.0	ft ²		n OpenRoads					
Area 3:	1.7	ft ²		n OpenRoads					
///////	1.7		Wicdsdiedi	in opennouus	,				
Volume/Xframe:	0.1	ft ³							
No. of Xframes:	6.0	ea							
No. of Andres.	0.0								
Volume:	0.4	ft ³							
Total Volume:	2.8								
Wt. (490 lb/cf w/ 5% contingency):	1440	lbs	use	1440	lbs			1,440	1,440

SPECIAL INSTRUCTIONS: CHECK UNIT OF MEASURE Printed: 8/10/2022 4:01 PW

File: P:_OHDOT_Worksets\102726\400-Engineering\Structures\SFN_8302162\EngData\Spreadsheets\Quantities\2022-06-09.WAR-71-1.69_11.04_13.71 StubborkdileEstit5/28Ed0201 Quantities Final Tracings 18 OF 36

TOTAL

1,440

		DESIGI CHEC STRUCTUR		DATE: DATE: 69/11.04 <mark>/13.7</mark>	2/2/21	UPDATE: RECHECK: SFN:	GLA MRV 8302227	DATE: DATE: PID:	6/9/22
50 Goodale Boulevard, Suite 180 • Columbus, Ohio 614-586-0642 • Fax 614-586-0648	43212	ITEN SUBJEC	/: 513E T: ESTIMATED		PAY UNIT				
DESCRIPTION: STRUCTURA	L STEEL N								
SUPPLEMENTAL DESCRIPTION:	-	- /	- , -						
								SUBTOTAL	TOTAL
nd Crossframes:									
4x4x3/8" Angles:									
Area:	2.86	in ²							
Length 1:	3.2	ft	Measured i	n OpenRoads					
Length 2:	2.2	ft	Measured i	n OpenRoads					
Length 3:	2.1	ft	Measured i	n OpenRoads					
Length 4:	3.2	ft		n OpenRoads					
Length 5:	8.8	ft	Measured i	n OpenRoads					
Volume/Xframe:	0.4	ft ³							
No. of Xframes:	6.0	ea							
Volume:	2.3	ft ³							
1/2" Plates:	0.5	•							
Thickness:	0.5	in ft ²							
Area 1:	0.0	ft ft ²	Measured in OpenRoads Measured in OpenRoads						
Area 2: Area 3:	0.0 1.7	ft ft ²		n OpenRoads					
Alea 5.	1.7	it.	ivieasureu i	n Openkoaus					
Volume/Xframe:	0.1	ft ³							
No. of Xframes:	6.0	ea							
Volume:	0.4	ft ³							
Total Volume:	2.7								
Wt. (490 lb/cf w/ 5% contingency):	1413	lbs	use	1440	lbs			1,440	1,440

SPECIAL INSTRUCTIONS: CHECK UNIT OF MEASURE Printed: 8/10/2022 4:10 PM

File: P:_OHDOT_Worksets\102726\400-Engineering\Structures\SFN_8302227\EngData\Spreadsheets\Quantities\2022-6-10.WAR-71-1.69_11.04_13.71 WayMexwilledestin548Ecl0201 Quantities Final Tracings 22 OF 45

TOTAL

1,440