

JONES & LAUGHLIN STEEL CORPORATION

NORTH SIDE WORKS-KEYSTONE DEPARTMENT

JOB *Machine Shop*  
FOR *Vesta Coal Co.*

Made by \_\_\_\_\_ Date \_\_\_\_\_ Checked by \_\_\_\_\_ Date \_\_\_\_\_ Order No. *1078-7*  
Revised \_\_\_\_\_ Rivets \_\_\_\_\_ Open Holes \_\_\_\_\_ unless noted Sheet No. *FRI.*  
Paint \_\_\_\_\_ Inspection \_\_\_\_\_

Details of Schedule of Field ~~Work~~ Bolts and Tie Rods

No. Pcs.	WHERE USED	FINISHED			No. Pcs.	WHERE USED	FINISHED		
		SIZE	GRIP	LENGTH			SIZE	GRIP	LENGTH
18	D20-32 To Purlins	3/4	3/4	1 3/4					
2	D33-34 To "	3/4	3/4	1 3/4					
3	D6 To "	3/4	1	2					
3	D7 To "	3/4	3/4	1 3/4					
3	D11 To "	3/4	1	2					
3	D11 To "	3/4	3/4	1 3/4					
18	D12-13 " "	3/4	3/4	1 3/4					
4	G4 To Door Posts	3/4	3/4	1 3/4					
47	H.R. To Posts	3/4	1/2	1 1/2					
7	do	3/4	3/4	1 3/4					
8	do	3/4	1/2	1 1/2					
28	H.R. To Posts + SS	3/4	1/2	1 1/2					
50	F1-2 To IS	3/4	5/8	1 1/2					
50	do	3/4	5/8	1 1/2					
23	Girts To Columns or Girts	3/4	5/8	1 1/2					
2	F1 To Cols	3/4	1 1/8	2					
12	F8-9 To Cols	3/4	3/4	1 3/4					
4	F19-20 To Rafter	3/4	1	2					
8	Girt to Cols.	3/4	3/4	1 3/4					
28	Girts To Girts	3/4	5/8	1 1/2					
2	F13 To Cols	3/4	1 1/8	2					
17	Girts To Girts	3/4	3/4	1 3/4					
10	C24-25-26-27-28	3/4	1	2					
60	P1-17 To Rafter Truss	3/4	5/8	1 1/2					
8	P2 To "	3/4	5/8	1 1/2					
18	P3 To "	3/4	5/8	1 1/2					
2	P4 To "	3/4	5/8	1 1/2					
156	P20-5-19 To "	3/4	5/8	1 1/2					
12	P6 To "	3/4	5/8	1 1/2					
24	P7 To "	3/4	5/8	1 1/2					
4	R1-42-03-3 To "	3/4	3/4	1 3/4					
24	P21-22	3/4	5/8	1 1/2					
24	P23-24-25-26 To "	3/4	5/8	1 1/2					
36	P27-28-29 To Rafter	3/4	5/8	1 1/2					
16	P28 To Purlins	3/4	5/8	1 1/2					
12	P31 To Rafter	3/4	5/8	1 1/2					
4	P32 To "	3/4	5/8	1 1/2					
24	P8 To Truss	3/4	5/8	1 1/2					
20	P9 To "	3/4	5/8	1 1/2					
24	P11-15 To "	3/4	5/8	1 1/2					
24	P12-16 To "	3/4	5/8	1 1/2					
6	P13 To "	3/4	5/8	1 1/2					
6	P14 To "	3/4	5/8	1 1/2					
4	F17-18 To Purlins	3/4	1	2					
10	do	3/4	3/4	1 3/4					
160	Treads to SS1-2	1/2	3/8	1					

SUMMARY OF FIELD RIVETS AND BOLTS

No. OF PCS.	DIA.	RIVETS OR BOLTS	LENGTH		REMARKS	No. OF PCS.	DIA.	RIVETS OR BOLTS	LENGTH		REMARKS	No. OF PCS.	DIA.	RIVETS OR BOLTS	LENGTH		REMARKS
			FT.	IN.					FT.	IN.					FT.	IN.	
180	1/2	Bolts		1		720	3/4	Rivets		2		1080	3/4	"		2 1/8	
												160	3/4	"		2 1/4	
40	3/4	Bolts		2		200	3/4	"		2 3/8		600	3/4	"		2 1/2	
120	3/4	"		1 3/4		80	3/4	"		2 5/8		130	3/4	"		2 3/4	
650	3/4	"		1 1/2		20	3/4	"		3		240	3/4	"		3 1/8	
60	3/4	"		1 1/2	Ctsk. Head	20	3/4	"		3 5/8		40	3/4	"		3 7/8	
						70	3/4	"		5 1/8							

*Bolt sh. 4 1/2  
Dentons 1/25*