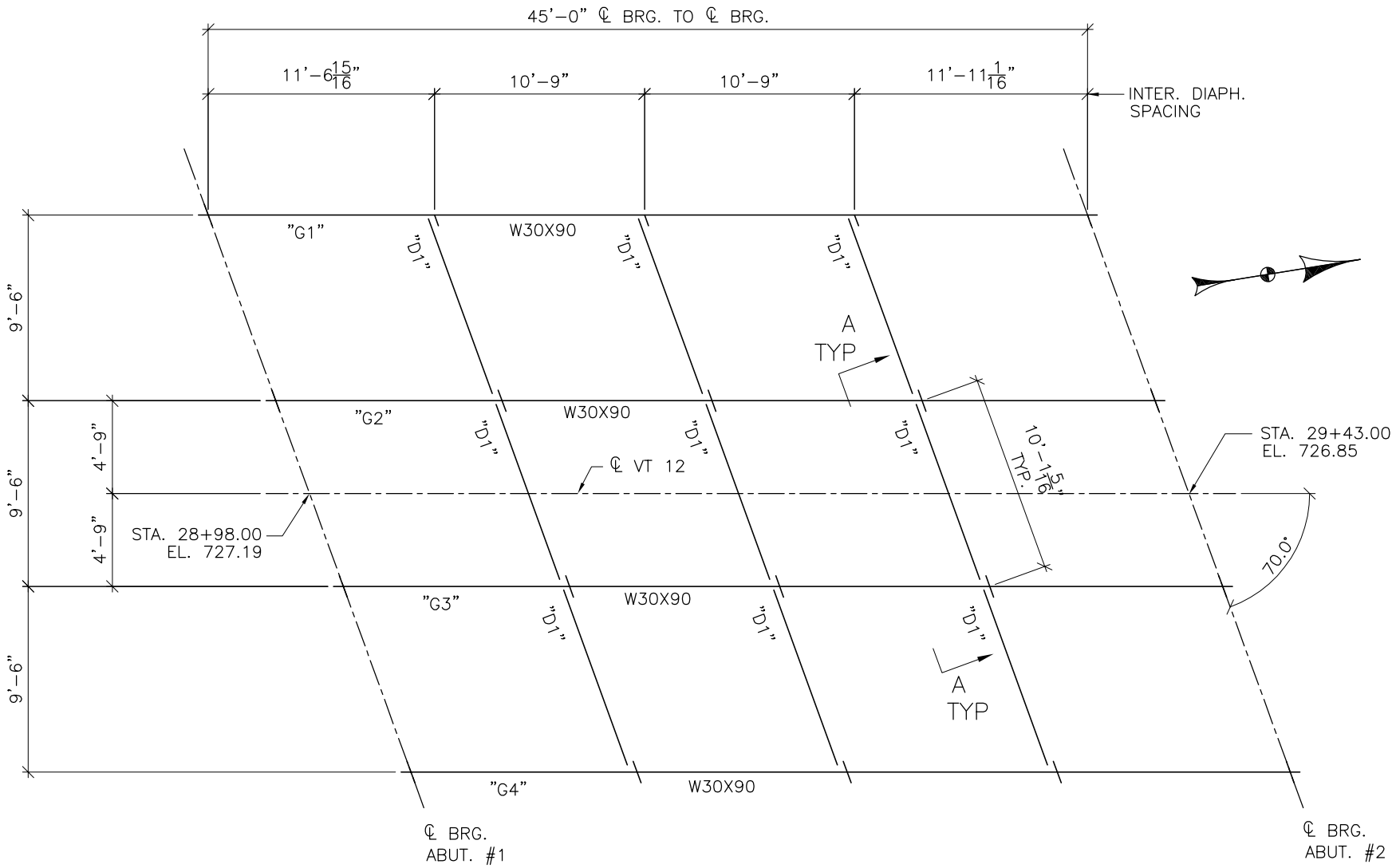
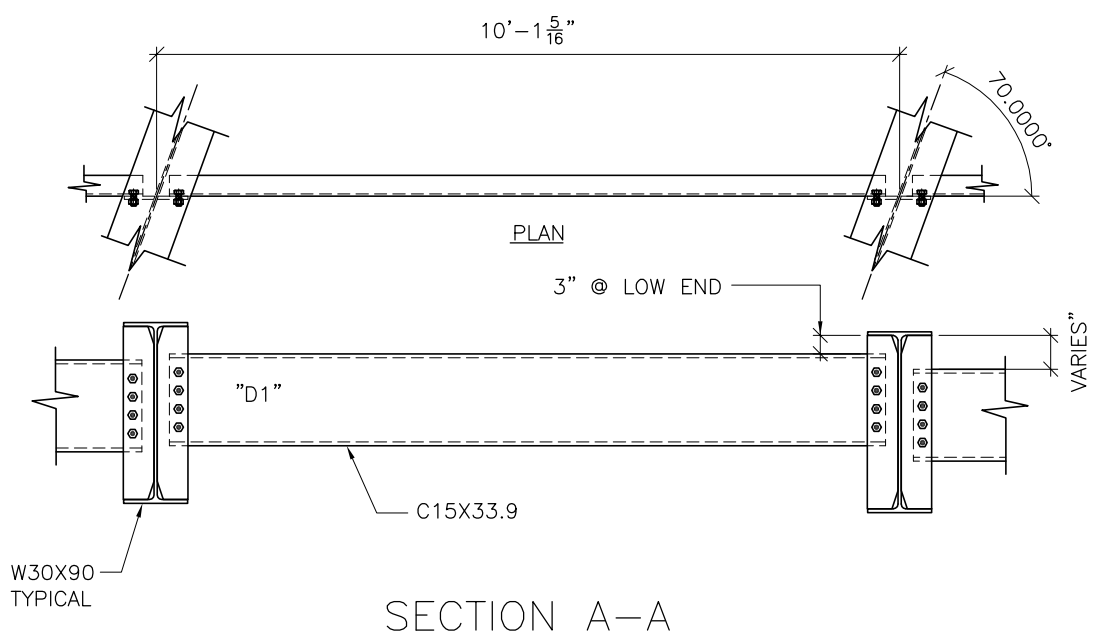


FRAMING PLAN



SECTION A-A

GENERAL NOTES:

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AND IT'S LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION AND IT'S LATEST REVISIONS.

ALL MATERIAL SHALL CONFORM TO AASHTO M270 (ASTM A709) GRADE 50. ALL MATERIAL NOTED "CVN" SHALL MEET THE CHARPY V-NOTCH TESTING REQUIREMENTS OF ZONE 2, H FREQUENCY: 15 FT.-LB AT 40° F. NDT MUST BE ACCORDING TO ANSI/AASHTO/AWS D1.5, SECTION 6

ALL BOLTS SHALL BE $\frac{7}{8}$"ø IN $\frac{15}{16}$"ø HOLES AND CONFORMING TO ASTM A325, TYPE 1 WITH RO-CAP TESTING AND MECHANICALLY GALVANIZED.

1 INCLUDING ADDITIONAL BOLT TESTING PER VTRANS SUBSECTION 714.05

ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH VTRANS SUBSECTION 726.08 AFTER FABRICATION.

FIELD BOLT LIST

MARK	QTY.	DESCRIPTION	LOCATION
FB3	72	$\frac{7}{8}$"øX2$\frac{1}{4}$	INTER. DIAPH. TO CONN. ℙ
	72	DIRECT TENSION INDICATORS + THREE (3) TEST ASSEMBLIES	

FINISH				
MATERIAL SEE DETAIL SHEETS				
HOLES				
ELECTRODES				
WELDS PER WPS				
SURFACE PREP	1	5/27/15	PER APPROVAL	JAC
	NO	DATE	DESCRIPTION	BY

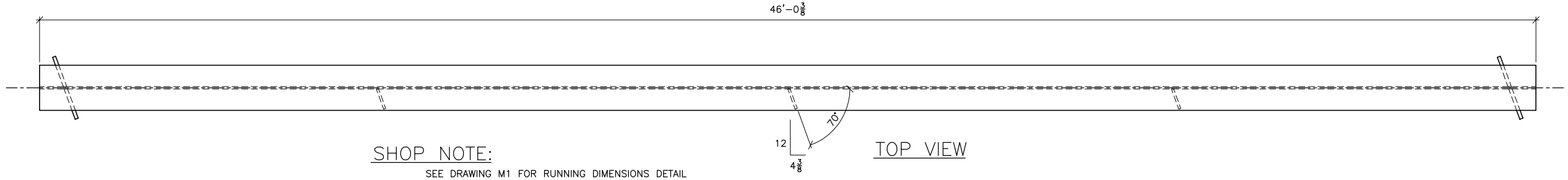
REVISIONS

ARC ENTERPRISES, INC.

ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED
P.O. BOX 120 KINGFIELD, ME. 04947
PHONE: (207) 265-2646 - FAX: (207) 265-4054

DRAFTER JAC	FRAMING PLAN		PROJECT NO. 15-114
DATE 5/11/15	TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR) PROJECT NUMBER BRF 024-1(37)		
CHECKED JS			DWG. NO. 1
DATE 5/14/15	BC: AL ST. ONGE CONTRACTOR, INC.		

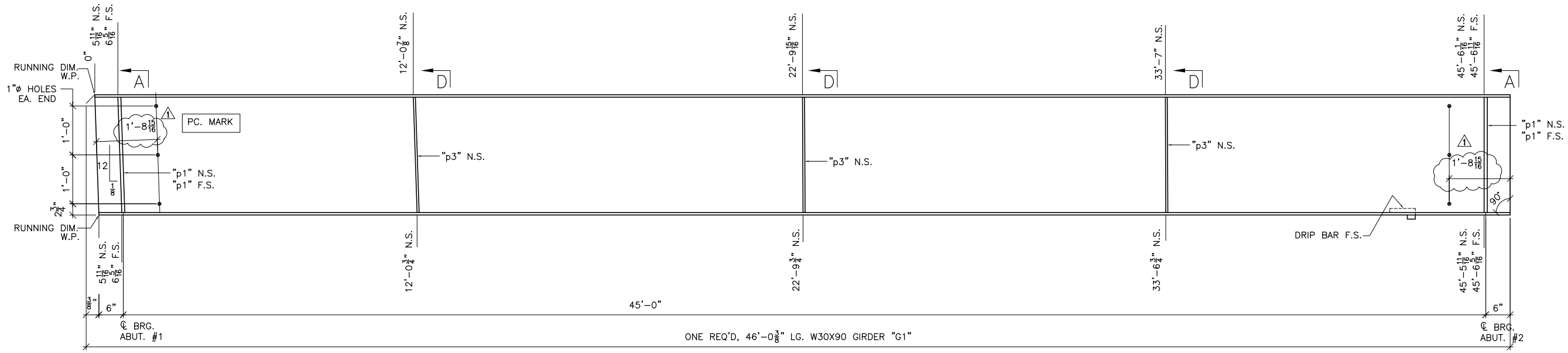
J.A.C. DRAFTING/SS5B15/1

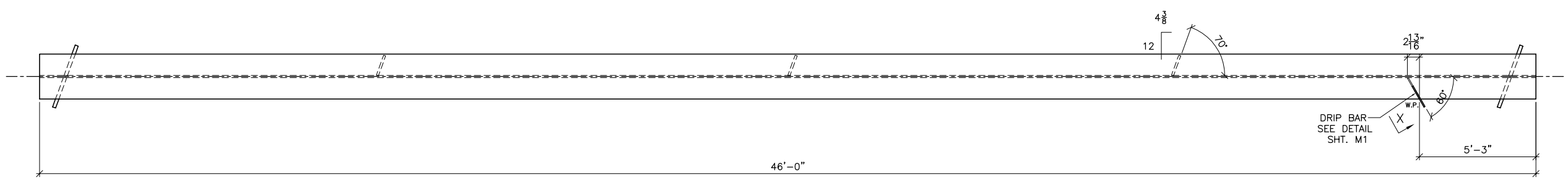


TOP VIEW

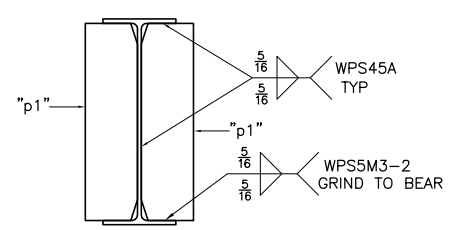
SHOP NOTE:

SEE DRAWING M1 FOR RUNNING DIMENSIONS DETAIL

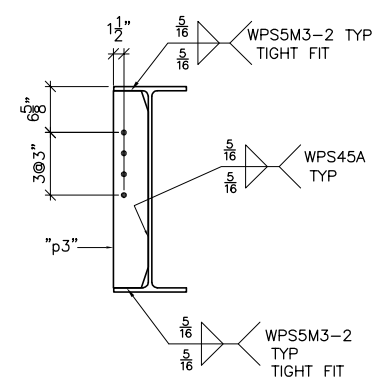




BOTTOM VIEW



SECTION A



SECTION D

SHOP NOTE:

ENTIRE TOP FLANGE IS IN COMPRESSION

ENTIRE BOTT FLANGE IS IN TENSION

BILL OF MATERIAL

SHIP	SHIP MARK	NO. PCS.	PIECE MARK	DESCRIPTION	LENGTH	REMARKS	WT.
1	G1			GIRDER			4377
		1		W30X90	46'-0 3/8"	CVN	4140
		4	p1	SEE SHT. M1			
		3	p3	SEE SHT. M1			
		1	dp1	1/4" THK. DRIP BAR SEE SHT. M1			

FINISH GALVANIZED				
MATERIAL AASHTO M270 (ASTM A709) GR. 50 U.O.N.				
HOLES 15/16"ø U.O.N.				
ELECTRODES				
WELDS PER WPS				
SURFACE PREP SSPC SP6	1	5/27/15	PER APPROVAL	JAC
	NO	DATE	DESCRIPTION	BY

REVISIONS

ARC ENTERPRISES, INC.

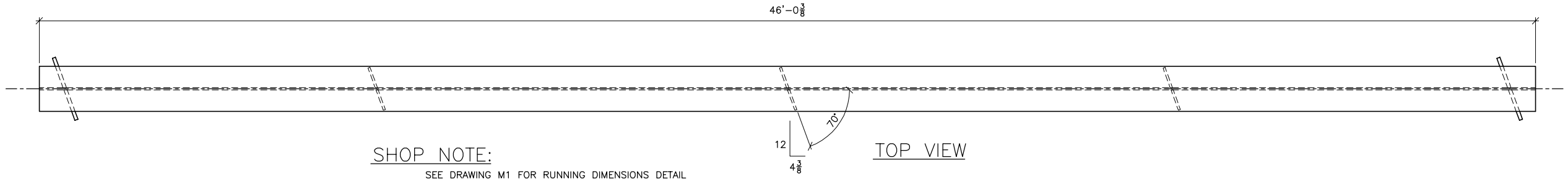
ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED

P.O. BOX 120 KINGFIELD, ME. 04947

PHONE: (207) 265-2646 – FAX: (207) 265-4054

DRAFTER JAC	STRINGER DETAILS, G1		PROJECT NO. 15-114
DATE 5/11/15	TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR) PROJECT NUMBER BRF 024-1(37)		
CHECKED JS	G.C.	AL ST. ONGE CONTRACTOR INC.	DWG. NO. 2
DATE 5/14/15			

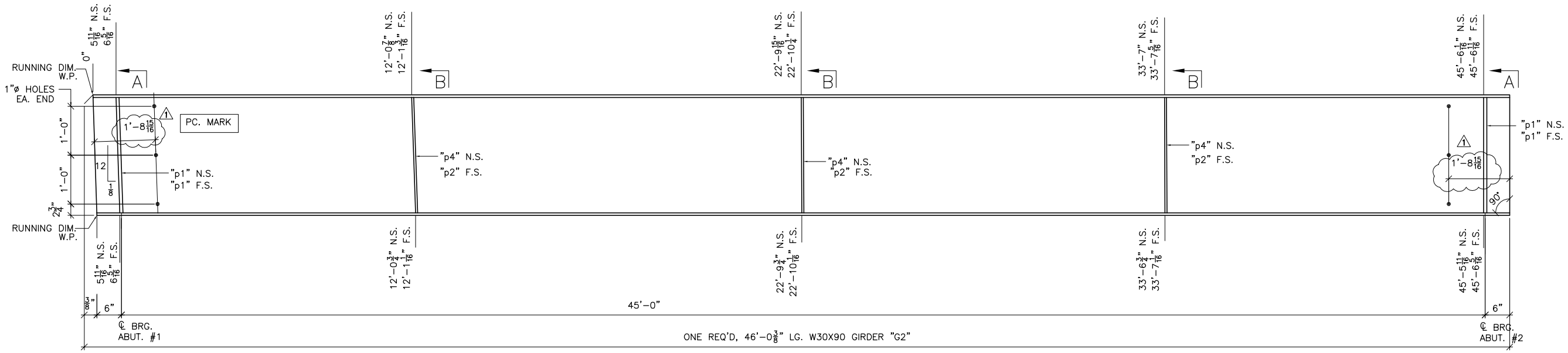
SEE SHEET M1 FOR CAMBER AND SECTIONS & DETAILS NOT SHOWN

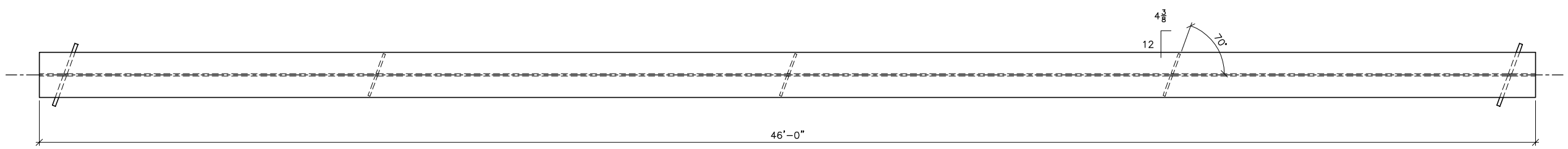


TOP VIEW

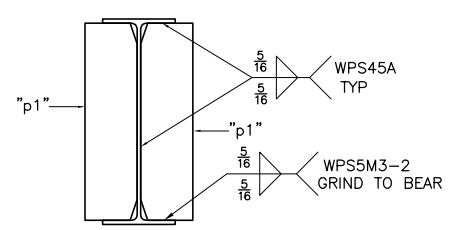
SHOP NOTE:

SEE DRAWING M1 FOR RUNNING DIMENSIONS DETAIL

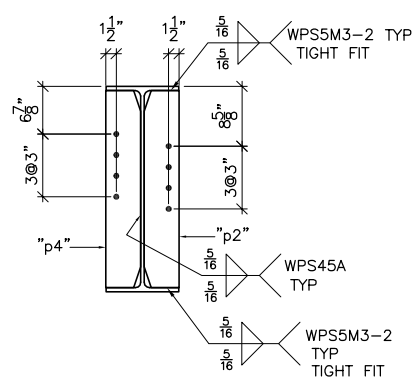




BOTTOM VIEW



SECTION A



SECTION B

BILL OF MATERIAL

SHIP	SHIP MARK	NO. PCS.	PIECE MARK	DESCRIPTION	LENGTH	REMARKS	WT.	
1	G2			GIRDER			4436	
		1		W30X90	46'-0 3/8"	CVN	4140	
		4	p1	SEE SHT. M1				
		3	p2	SEE SHT. M1				
		3	p4	SEE SHT. M1				

SHOP NOTE:

ENTIRE TOP FLANGE IS IN COMPRESSION

ENTIRE BOTT FLANGE IS IN TENSION

FINISH GALVANIZED				
MATERIAL AASHTO M270 (ASTM A709) GR. 50 U.O.N.				
HOLES 15/16"ø U.O.N.				
ELECTRODES				
WELDS PER WPS				
SURFACE PREP SSPC SP6	1	5/27/15	PER APPROVAL	JAC
	NO	DATE	DESCRIPTION	BY

REVISIONS

ARC ENTERPRISES, INC.

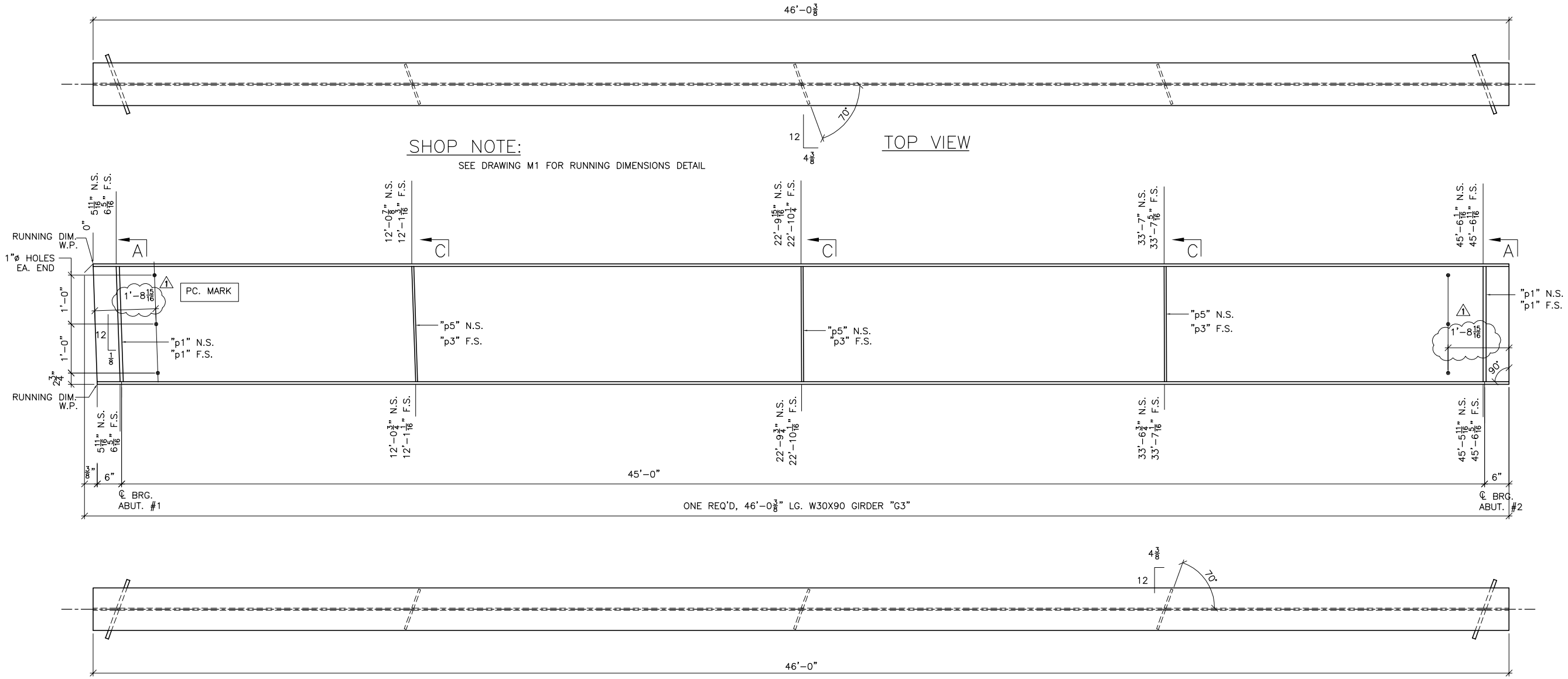
ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED

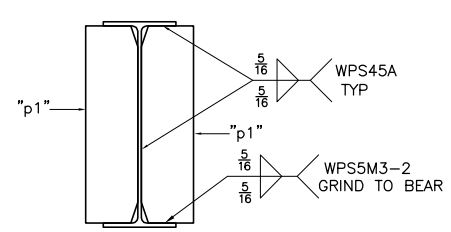
P.O. BOX 120 KINGFIELD, ME. 04947

PHONE: (207) 265-2646 – FAX: (207) 265-4054

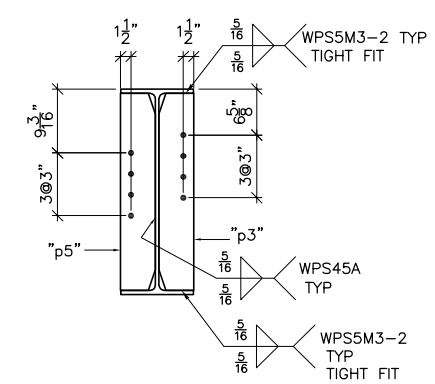
DRAFTER JAC	STRINGER DETAILS, G2	PROJECT NO.	
DATE 5/11/15	TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR) PROJECT NUMBER BRF 024-1(37)	15-114	
CHECKED JS	G.C. AL ST. ONGE CONTRACTOR INC.	DWG. NO.	
DATE 5/14/15		3	

SEE SHEET M1 FOR CAMBER AND SECTIONS & DETAILS NOT SHOWN





SECTION A



SECTION C

BILL OF MATERIAL

SHIP	SHIP MARK	NO. PCS.	PIECE MARK	DESCRIPTION	LENGTH	REMARKS	WT.
1	G3			GIRDER			4436
		1		W30X90	46'-0 3/8"	CVN	4140
		4	p1	SEE SHT. M1			
		3	p5	SEE SHT. M1			
		3	p3	SEE SHT. M1			

SEE SHEET M1 FOR CAMBER AND SECTIONS & DETAILS NOT SHOWN

SHOP NOTE:

ENTIRE TOP FLANGE IS IN COMPRESSION

ENTIRE BOTT FLANGE IS IN TENSION

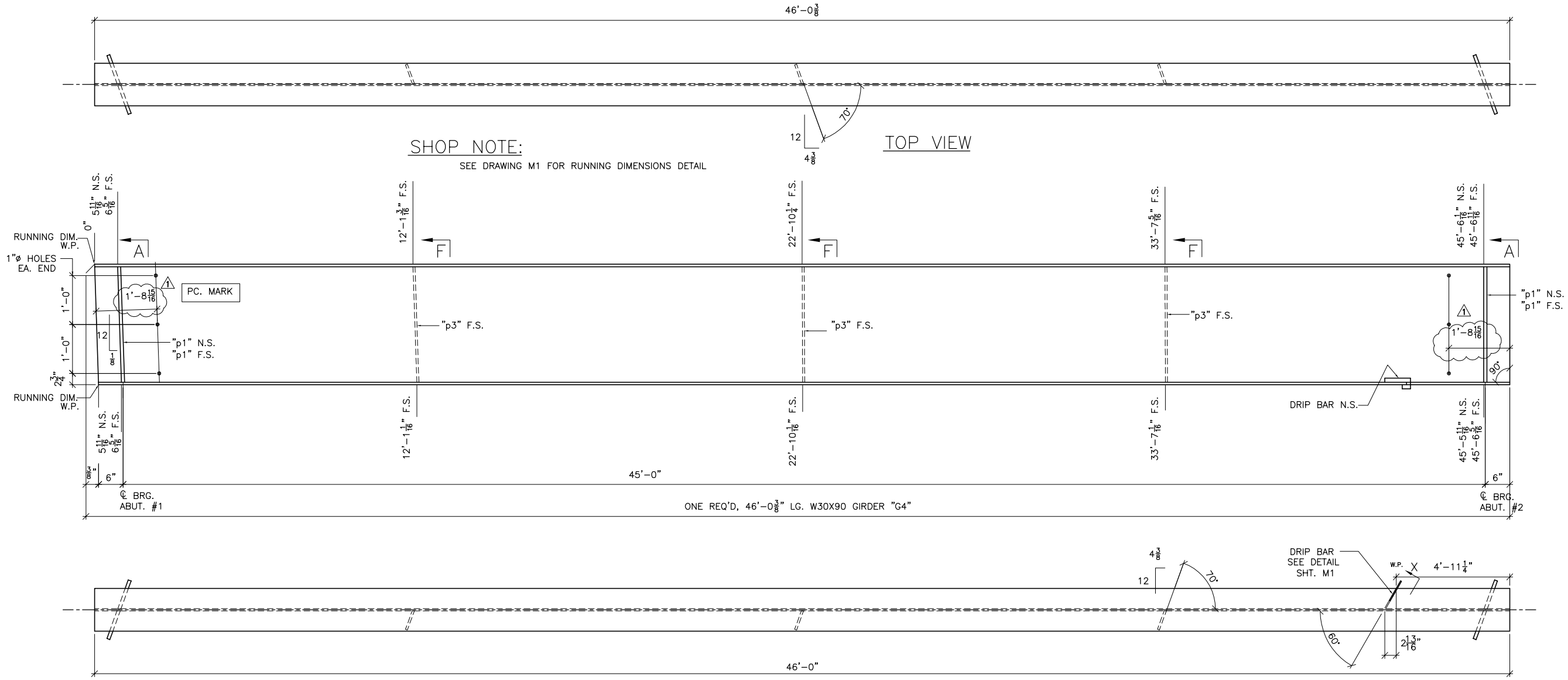
FINISH GALVANIZED				
MATERIAL AASHTO M270 (ASTM A709) GR. 50 U.O.N.				
HOLES 15/16"ø U.O.N.				
ELECTRODES				
WELDS PER WPS				
SURFACE PREP SSPC SP6	1	5/27/15	PER APPROVAL	JAC
	NO	DATE	DESCRIPTION	BY

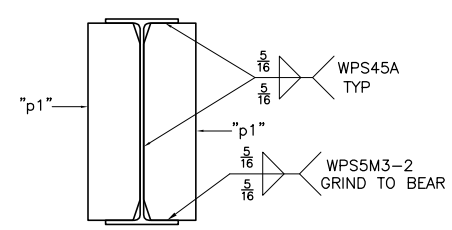
REVISIONS

ARC ENTERPRISES, INC.

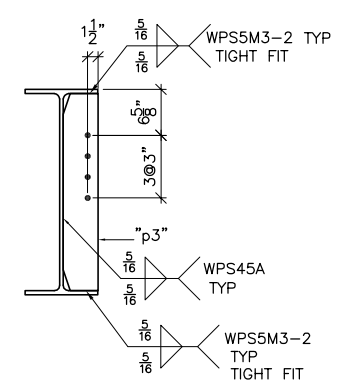
ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED
P.O. BOX 120 KINGFIELD, ME. 04947
PHONE: (207) 265-2646 – FAX: (207) 265-4054

DRAFTER JAC	STRINGER DETAILS, G3		PROJECT NO. 15-114
DATE 5/11/15	TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR) PROJECT NUMBER BRF 024-1(37)		
CHECKED JS			DWG. NO.
DATE 5/14/15	G.C. AL ST. ONGE CONTRACTOR INC.		4





SECTION A



SECTION F

SHOP NOTE:

ENTIRE TOP FLANGE IS IN COMPRESSION

ENTIRE BOTT FLANGE IS IN TENSION

BILL OF MATERIAL

SHIP	SHIP MARK	NO. PCS.	PIECE MARK	DESCRIPTION	LENGTH	REMARKS	WT.
1	G4			GIRDER			4377
		1		W30X90	46'-0 3/8"	CVN	4140
		4	p1	SEE SHT. M1			
		3	p3	SEE SHT. M1			
		1	dp1	1/4" THK. DRIP BAR SEE SHT. M1			

SEE SHEET M1 FOR CAMBER AND SECTIONS & DETAILS NOT SHOWN

FINISH	GALVANIZED			
MATERIAL	AASHTO M270 (ASTM A709) GR. 50 U.O.N.			
HOLES	15/16"ø U.O.N.			
ELECTRODES				
WELDS	PER WPS			
SURFACE PREP	SSPC SP6	1	5/27/15	PER APPROVAL	JAC
		NO	DATE	DESCRIPTION	BY

REVISIONS

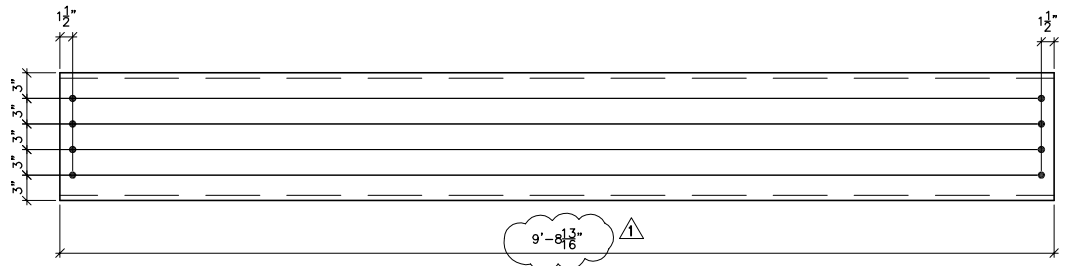
ARC ENTERPRISES, INC.

ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED
P.O. BOX 120 KINGFIELD, ME. 04947
PHONE: (207) 265-2646 – FAX: (207) 265-4054

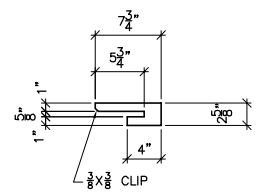
DRAFTER JAC	STRINGER DETAILS, G4	PROJECT NO. 15-114
DATE 5/11/15	TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR) PROJECT NUMBER BRF 024-1(37)	
CHECKED JS		DWG. NO. 5
DATE 5/14/15	G.C. AL ST. ONGE CONTRACTOR INC.	

BILL OF MATERIAL

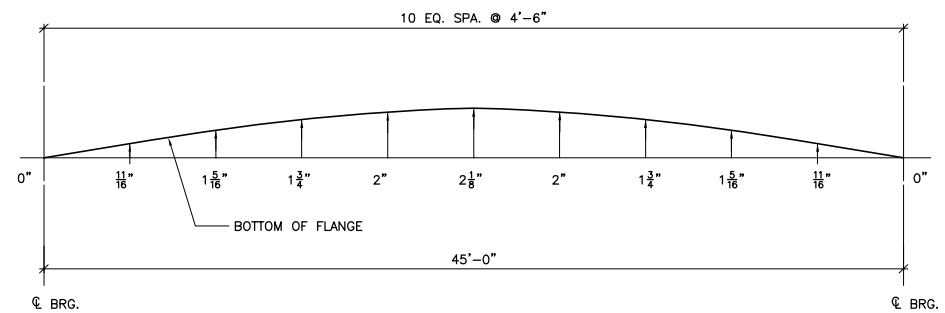
SHIP	SHIP MARK	NO. PCS.	PIECE MARK	DESCRIPTION	LENGTH	REMARKS	WT.	
		16	p1	PL $\frac{3}{4}$X7$\frac{1}{2}$	2'-4$\frac{5}{16}$		712	
		3	p2	PL $\frac{1}{2}$X5	2'-4$\frac{5}{16}$		59	
		9	p3	PL $\frac{1}{2}$X5	2'-4$\frac{5}{16}$		177	
		3	p4	PL $\frac{1}{2}$X5	2'-4$\frac{5}{16}$		59	
		3	p5	PL $\frac{1}{2}$X5	2'-4$\frac{5}{16}$		59	
		2	dp1	PL $\frac{1}{4}$X2$\frac{5}{8}$	0'-7$\frac{3}{4}$		2	
1	D1	9		C15X33.9	9'-8$\frac{13}{16}$		2975	



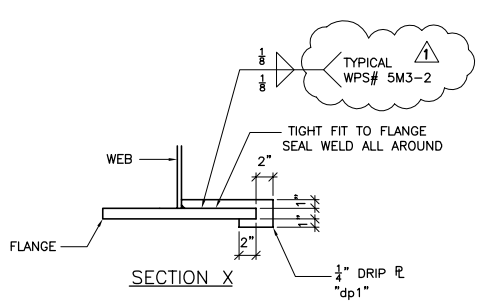
9 REQ'D, C15X33.9 INT. DIAPH., MARK "D1"



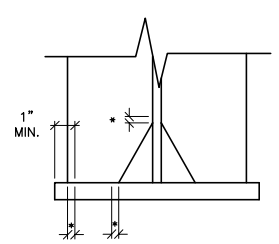
2 REQ'D, $\frac{1}{4}$" DRIP PL, MARK "dp1"



CAMBER DIAGRAM

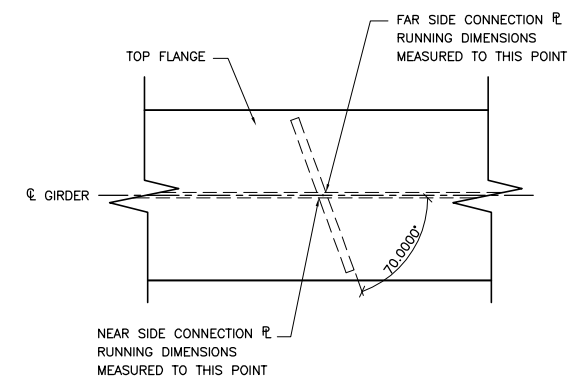


SECTION X

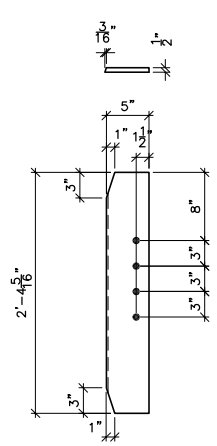


WELD TERMINATION DETAIL

* NO WELD FOR $\frac{3}{8}$" MIN. $\frac{7}{8}$" MAX.



RUNNING DIMENSIONS DETAIL



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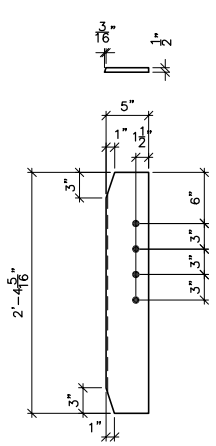
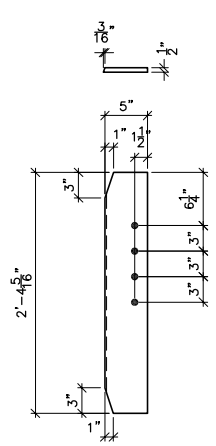


9 REQ'D, $\frac{1}{2}$" CONN. PL, MARK "p3"



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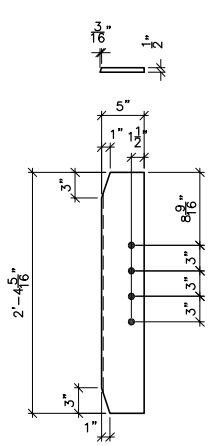

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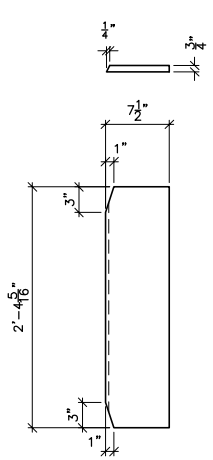

16 REQ'D, $\frac{3}{4}$" STIFF. PL, MARK "p1"

FINISH	GALVANIZED				
MATERIAL	ASTM A709 GRADE 50 U.O.N.				
HOLES	15/16"ø U.O.N.				
ELECTRODES					
WELDS	PER WPS				
SURFACE PREP	SSPC SP6	1	5/27/15	PER APPROVAL	JAC
		NO	DATE	DESCRIPTION	BY

REVISIONS

ARC ENTERPRISES, INC.

ADVANCED RESOURCES & CONST. ENTERPRISES, INCORPORATED
P.O. BOX 120 KINGFIELD, ME. 04947
PHONE: (207) 265-2646 – FAX: (207) 265-4054

DRAFTER JAC	MISC. DETAILS		PROJECT NO.
DATE 5/11/15	TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR)		15-114
CHECKED JS	PROJECT NUMBER BRF 024-1(37)		DWG. NO.
DATE 5/14/15	CUSTOMER:	AL ST. ONGE CONTRACTOR, INC.	M1