

FRAMING PLAN

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 7/8"Ø IN 15/16"Ø HOLES AND CONFORMING TO ASTM A325, TYPE 1 WITH RO-CAP TESTING AND MECHANICALLY GALVANIZED.

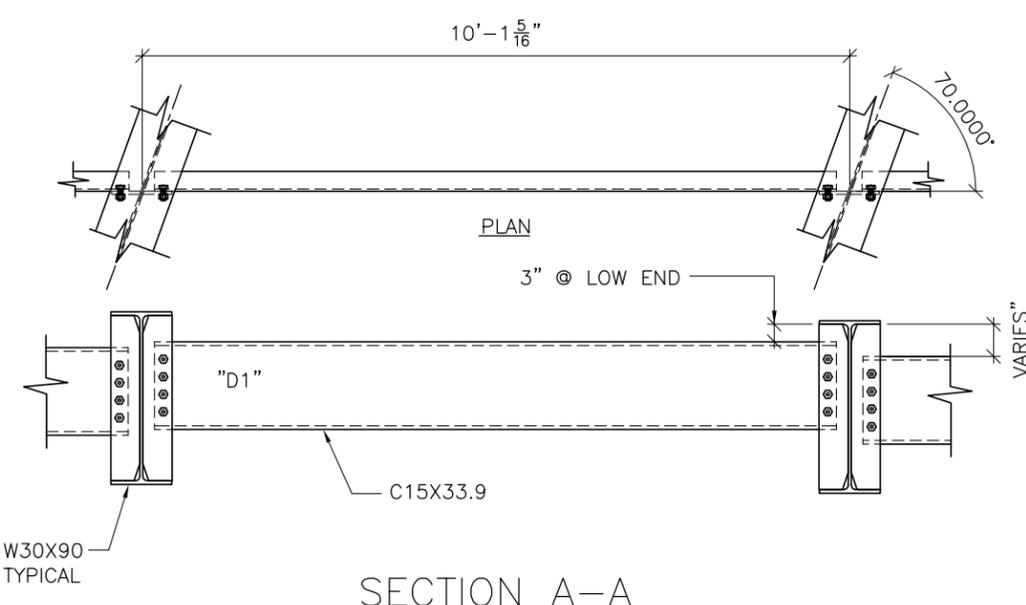
ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION.

Include additional bolt testing per VTrans subsection 714.05

In accordance with VTrans subsection 726.08

Shear studs need to be installed on the beams prior to galvanizing

Need to provide weld procedures



SECTION A-A

FIELD BOLT LIST

| MARK | QTY. | DESCRIPTION | LOCATION |
|------|------|---|---------------------------|
| FB3 | 72 | 7/8"Ø X 2 1/4" | INTER. DIAPH. TO CONN. PL |
| | 72 | DIRECT TENSION INDICATORS + THREE (3) TEST ASSEMBLIES | |

Vermont Agency of Transportation

RECEIVED

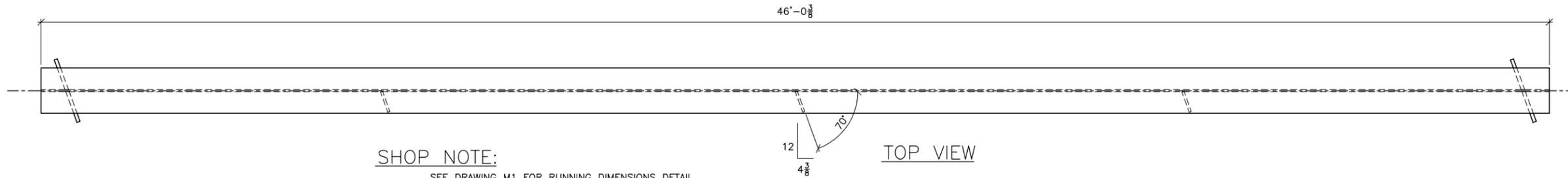
CK'D BY FDB OK'D BY CLB

May 19, 2015

RESUBMIT YES Rejected

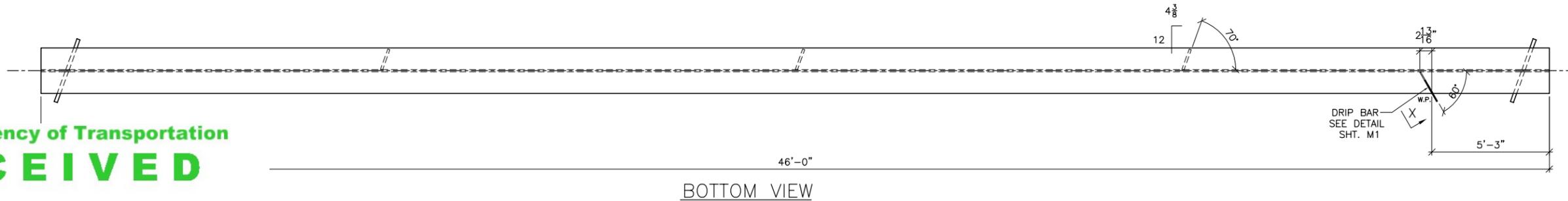
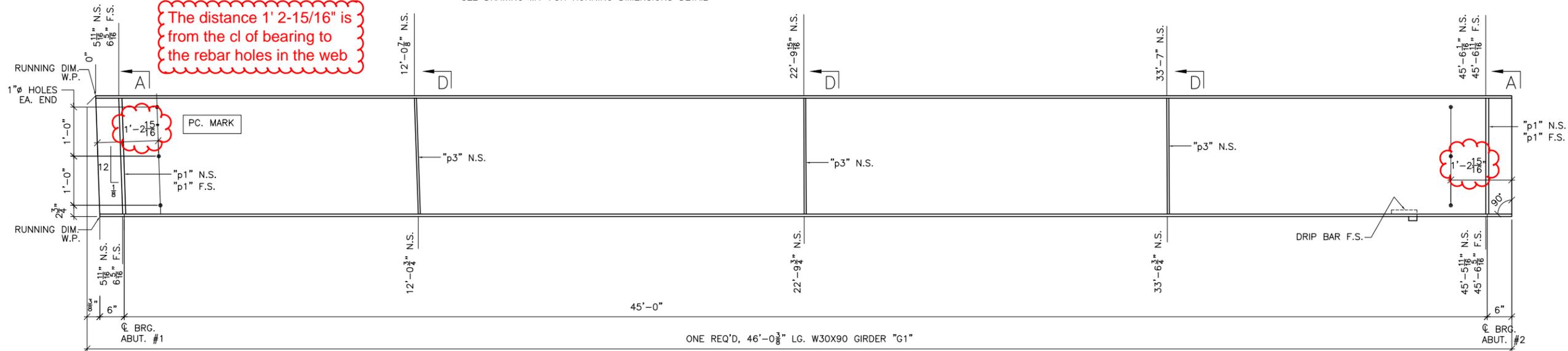
BY C. CARLSON DATE 05/21/15

| | | | | |
|--------------|-------------------|--|-------------|--------|
| FINISH | | | | |
| MATERIAL | SEE DETAIL SHEETS | | | |
| HOLES | | | | |
| ELECTRODES | | | | |
| WELDS | PER WPS | | | |
| SURFACE PREP | | | | |
| | NO | DATE | DESCRIPTION | BY |
| REVISIONS | | | | |
| | | 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) | DWG. NO. | 1 |
| CHECKED | JS | PROJECT NUMBER BR# 024-1(37) | | |
| DATE | 5/14/15 | AL ST. ONGE CONTRACTOR, INC. | | |



SHOP NOTE:
SEE DRAWING M1 FOR RUNNING DIMENSIONS DETAIL

The distance 1' 2-15/16" is from the cl of bearing to the rebar holes in the web



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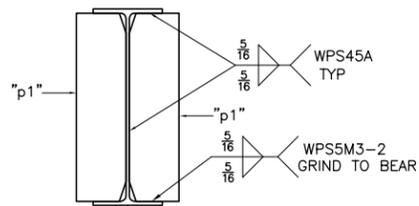
CK'D BY FDB OK'D BY CLB

May 19, 2015

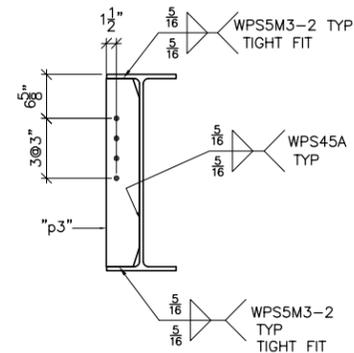
RESUBMIT YES Rejected

BY C. CARLSON DATE 05/21/15

| 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 | | | |



SECTION A



SECTION D

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 | MATERIAL | HOLES | ELECTRODES | WELDS | SURFACE PREP | NO | DATE | DESCRIPTION | BY |
|------------|---------------------------------------|---------------|------------|---------|--------------|----|------|-------------|----|
| GALVANIZED | AASHTO M270 (ASTM A709) GR. 50 U.O.N. | 15/16" U.O.N. | | PER WPS | SSPC SP6 | | | | |

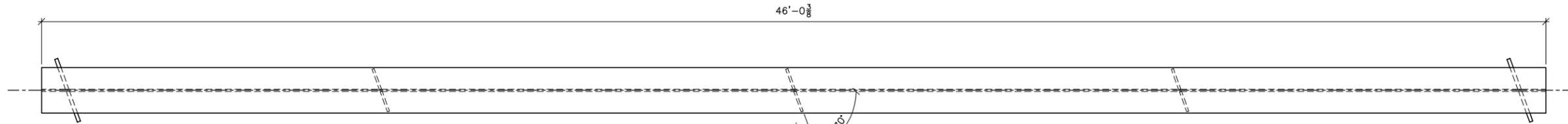
| REVISIONS | | PROJECT NO. |
|-----------|--|-------------|
| | | 15-114 |
| | | DWG. NO. |
| | | 2 |

ARC
ENTERPRISES, INC.

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

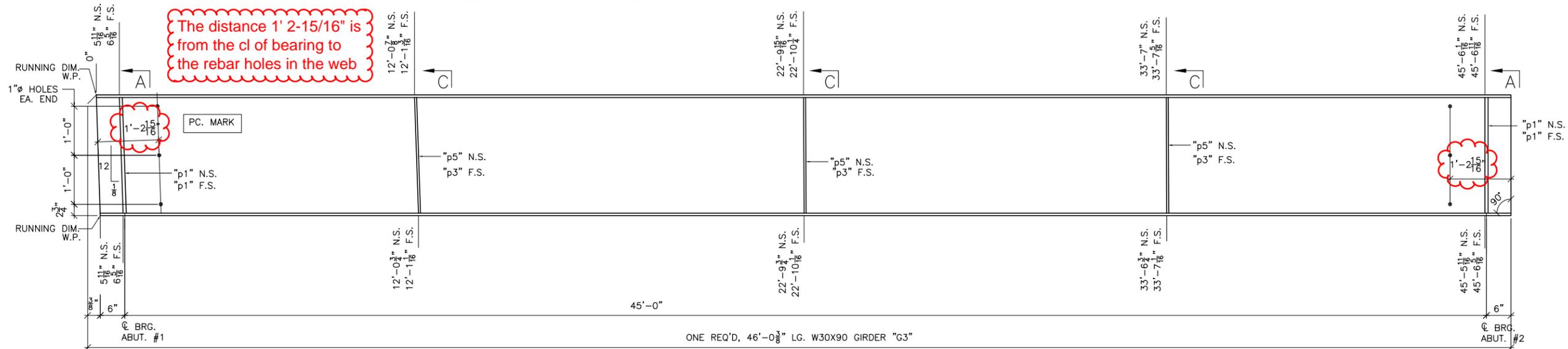
DRAFTER: JAC
DATE: 5/11/15
CHECKED: JS
DATE: 5/14/15

STRINGER DETAILS, G1
TOWN OF MIDDLESEX, VT 12 (RURAL MAJOR COLLECTOR)
PROJECT NUMBER BR# 024-1(37)
G.C. AL ST. ONGE CONTRACTOR INC.



SHOP NOTE:
SEE DRAWING M1 FOR RUNNING DIMENSIONS DETAIL

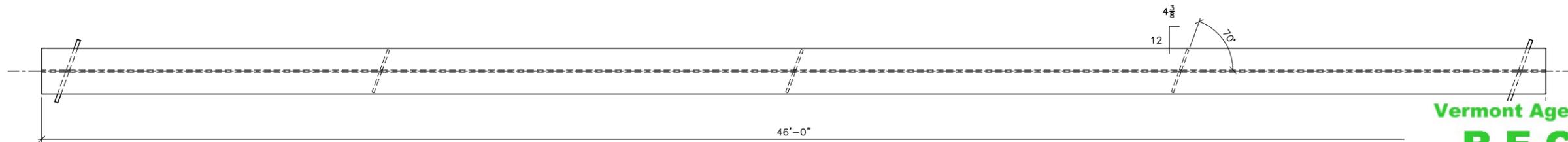
TOP VIEW



The distance 1'-2-15/16" is from the cl of bearing to the rebar holes in the web

PC. MARK

ONE REQ'D, 46'-0 3/8" LG. W30X90 GIRDER "G3"



BOTTOM VIEW

Vermont Agency of Transportation
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CK'D BY FDB OK'D BY CLB

May 19, 2015

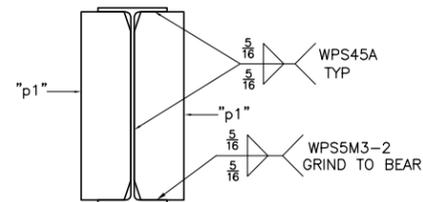
RESUBMIT YES Rejected
BY C. CARLSON DATE 05/21/15

SHOP NOTE:
ENTIRE TOP FLANGE IS IN COMPRESSION
ENTIRE BOTT FLANGE IS IN TENSION

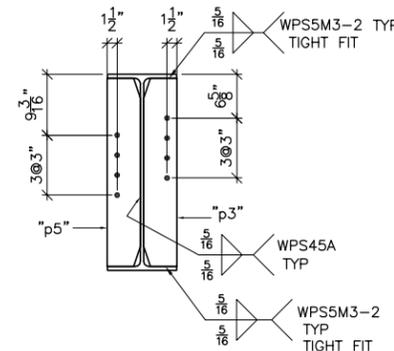
| FINISH | GALVANIZED | NO | DATE | DESCRIPTION | BY |
|--------------|--------------------------------------|----|------|-------------|----|
| MATERIAL | ASHTO M270 (ASTM A709) GR. 50 U.O.N. | | | | |
| HOLES | 15/16" U.O.N. | | | | |
| ELECTRODES | | | | | |
| WELDS | PER WPS | | | | |
| SURFACE PREP | SSPC SP6 | | | | |

| REVISIONS | | NO | DATE | DESCRIPTION | BY |
|--|---------|--|------|-------------|--------|
|  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) | | DWG. NO. | 4 |
| CHECKED | JS | PROJECT NUMBER BR# 024-1(37) | | | |
| 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. |
| 1 | G3 | 1 | | GIRDER | 46'-0 3/8" | CVN | 4436 |
| | | 4 | p1 | SEE SHT. M1 | | | 4140 |
| | | 3 | p5 | SEE SHT. M1 | | | |
| | | 3 | p3 | SEE SHT. M1 | | | |



SECTION A



SECTION C

SEE SHEET M1 FOR CAMBER AND SECTIONS & DETAILS NOT SHOWN

RECEIVED

Structural Steel Submittal_Rejected 5.21.15.pdf

CK'D BY FDB OK'D BY CLB

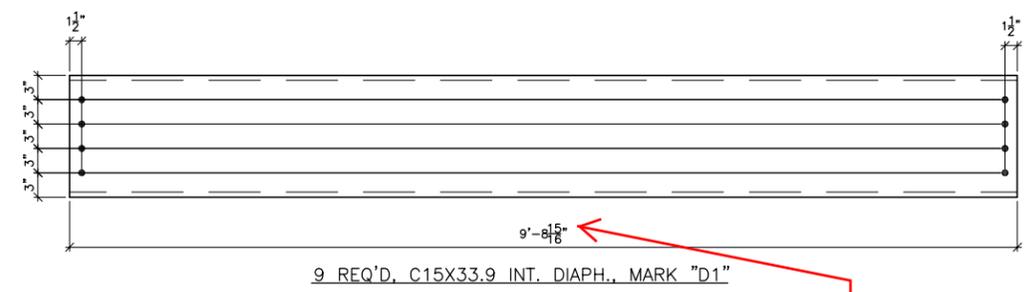
May 19, 2015

RESUBMIT YES Rejected

BY C. CARLSON DATE 05/21/15

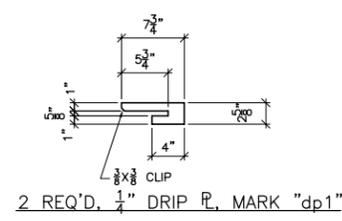
BILL OF MATERIAL

| SHIP | SHIP MARK | NO. PCS. | PIECE MARK | DESCRIPTION | LENGTH | REMARKS | WT. |
|------|-----------|----------|------------|---------------|-------------|---------|------|
| | | 16 | p1 | R 3/4 X 7 1/2 | 2'-4 5/16" | | 712 |
| | | 3 | p2 | R 1/2 X 5 | 2'-4 5/16" | | 59 |
| | | 9 | p3 | R 1/2 X 5 | 2'-4 5/16" | | 177 |
| | | 3 | p4 | R 1/2 X 5 | 2'-4 5/16" | | 59 |
| | | 3 | p5 | R 1/2 X 5 | 2'-4 5/16" | | 59 |
| | | 2 | dp1 | R 1/2 X 2 3/8 | 0'-7 1/2" | | 2 |
| | D1 | 9 | | C15X33.9 | 9'-8 13/16" | | 2975 |

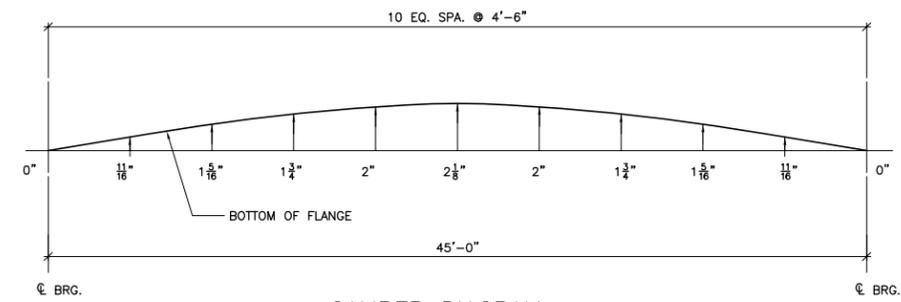


9 REQ'D, C15X33.9 INT. DIAPH., MARK "D1"

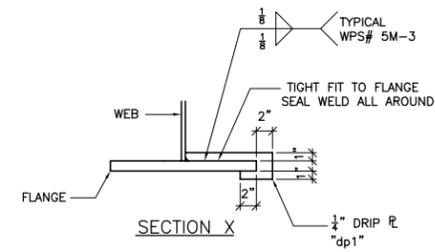
Please verify length. Seems slightly long.
 $10'1.3125" - 4" - .5" = 9'8.8125" (9' - 8 \frac{13}{16}")$



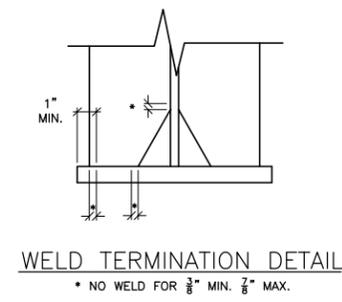
2 REQ'D, 1/4" DRIP FL, MARK "dp1"



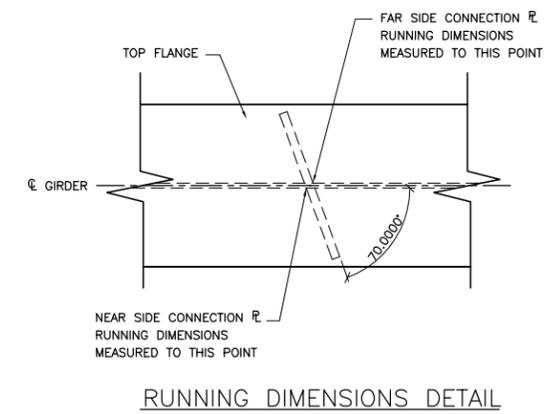
CAMBER DIAGRAM



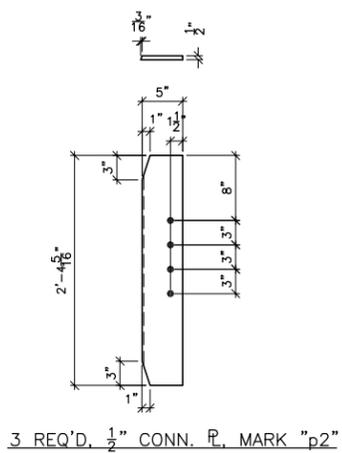
SECTION X



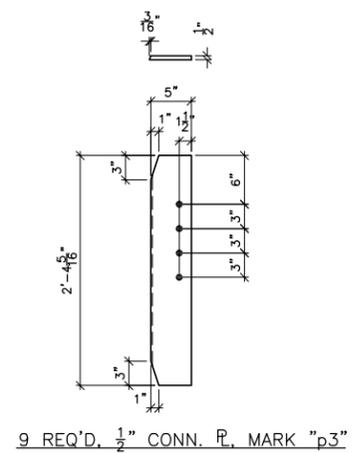
WELD TERMINATION DETAIL



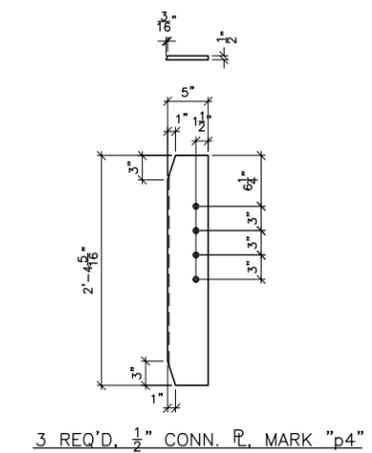
RUNNING DIMENSIONS DETAIL



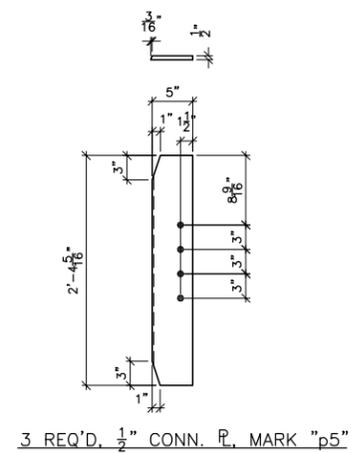
3 REQ'D, 1/2" CONN. FL, MARK "p2"



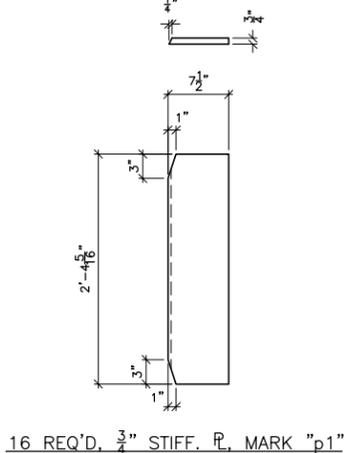
9 REQ'D, 1/2" CONN. FL, MARK "p3"



3 REQ'D, 1/2" CONN. FL, MARK "p4"



3 REQ'D, 1/2" CONN. FL, MARK "p5"



16 REQ'D, 3/4" STIFF. FL, MARK "p1"

| | | | |
|------------------|---------------------------|--|-------------|
| FINISH | GALVANIZED | | |
| MATERIAL | ASTM A709 GRADE 50 U.O.N. | | |
| HOLES | 15/16" U.O.N. | | |
| ELECTRODES | | | |
| WELDS | PER WPS | | |
| SURFACE PREP | SSPC SP6 | | |
| | | NO | DATE |
| | | DESCRIPTION | |
| | | BY | |
| REVISIONS | | | |
| | | 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 |