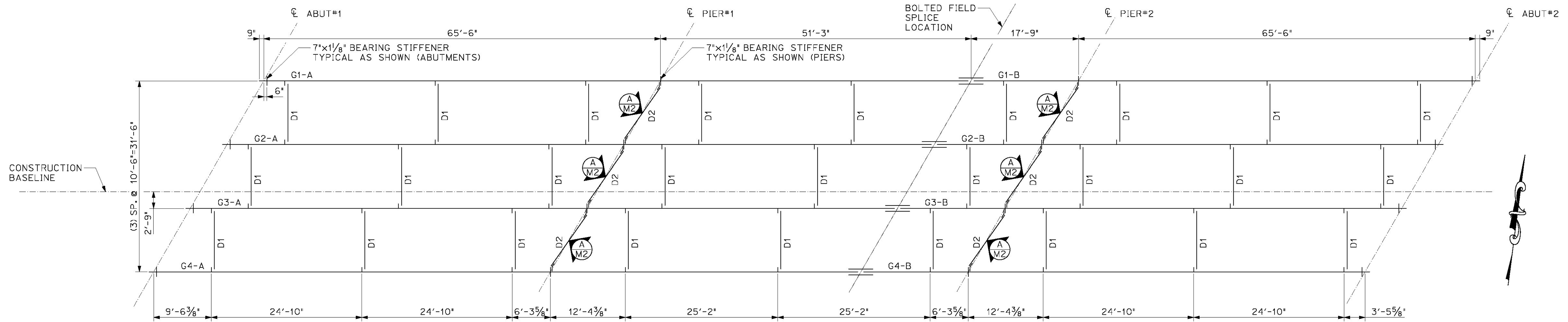


GIRDER LINE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	fs*
G1 & G4	6"	6 <sup>5</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	7 <sup>1</sup> / <sub>2</sub> "	7 <sup>11</sup> / <sub>16</sub> "	7 <sup>5</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>2</sub> "	7 <sup>1</sup> / <sub>16</sub> "	6 <sup>11</sup> / <sub>16</sub> "	6 <sup>5</sup> / <sub>16</sub> "	6"	5 <sup>15</sup> / <sub>16</sub> "	6 <sup>3</sup> / <sub>16</sub> "	6 <sup>5</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	7 <sup>3</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>16</sub> "
G2 & G3	6"	6 <sup>1</sup> / <sub>16</sub> "	7 <sup>3</sup> / <sub>16</sub> "	7 <sup>5</sup> / <sub>8</sub> "	7 <sup>7</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>16</sub> "	7 <sup>5</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>16</sub> "	6 <sup>3</sup> / <sub>4</sub> "	6 <sup>5</sup> / <sub>16</sub> "	6"	5 <sup>15</sup> / <sub>16</sub> "	6 <sup>3</sup> / <sub>16</sub> "	6 <sup>5</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	7 <sup>3</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>16</sub> "

\* BLOCKING DIMENSION IS TAKEN AS A DIMENSION FROM THE REFERENCE LINE IN THE ASSEMBLED BEAM TO THE BOTTOM OF THE BOTTOM FLANGE EXCEPT AT THE FIELD SPICE LOCATION WHERE THE DIMENSION IS TO THE OUTSIDE OF THE BOTTOM OF THE FIELD SPICE PLATE

1 ROCKINGHAM BLOCKING ELEVATION  
SCALE: 1/8" = 1'-0"



2 ROCKINGHAM FRAMING PLAN VIEW  
SCALE: 1/8" = 1'-0"

GENERAL FABRICATION NOTES

MATERIAL SPECIFICATIONS

- ALL MATERIAL SHALL BE ASTM A709 GRADE 50W (UNO)
- ALL A709 GRADE 50 MATERIAL DENOTED "CVN" SHALL MEET THE CHARPY V-NOTCH TESTING REQUIREMENTS OF ZONE 2, H FREQUENCY: 15 FT-LB AT 40° (UP TO 2" WELDED)  
ITEMS SHALL CALL OUT "CVN" FOR EACH APPLICABLE ITEM IN THE BILL OF MATERIALS
- BOLTS SHALL BE HIGH STRENGTH BOLTS ASTM A325, TYPE 3  
NUTS SHALL BE A563 GRADE C3 OR DH3  
WASHERS SHALL BE ASTM F436, TYPE 3  
BOLTS AND NUTS SHALL BE ROTATIONAL CAPACITY TESTED. DO NOT MIX NUTS AND BOLTS FROM DIFFERENT CONTAINERS UNLESS ALL NUTS AND BOLTS HAVE THE SAME LOT NUMBER.

FABRICATION

- DIE STAMPING IS ALLOWED IN SPECIFIC LOCATIONS WITH THE APPROVAL OF THE ENGINEER.
- ALL EDGES OF FLAME CUT MATERIAL SUBJECTED TO CALCULATED STRESSES SHALL BE ROUNDED TO A MINIMUM RADIUS OF 1/16", OR AN EQUIVALENT FLAT SURFACE AT A SUITABLE ANGLE.
- ALL PLATES, FLAME CUT FROM LARGER PLATES, SHALL BE CUT SO THAT THE PRIMARY DIRECTION OF ROLLING IS PARALLEL TO THE MAIN TENSILE OR COMPRESSIVE STRESS.
- FLANGE PLATE MATERIAL SHALL HAVE AN EDGE HARDNESS NOT GREATER THAN HRC 30, ALLOWED per STANDARD SPEC. 506.09.

WELDING

- ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SUBSECTION 506.10.
- NON DESTRUCTIVE TESTING OF WELDS SHALL BE IN ACCORDANCE WITH ANSI/AASHTO/AWS D1.5 - SECTION 6. FLANGE WELDS WILL BE CALLED OUT AS BEING IN EITHER COMPRESSION OR TENSION. WEB WELDS WILL LABEL EITHER TOP OR BOTTOM AS BEING IN COMPRESSION, OR BE LABELED AS BEING IN A STRESS REVERSAL AREA.  
FLANGE SPLICES SHALL BE TESTED AS FOLLOWS:  
FLANGE SPLICES IN TENSION ~ TESTED 100%  
FLANGE SPLICES IN STRESS REVERSAL AREAS ~ TESTED 100%  
FLANGE SPLICES IN COMPRESSION ~ TESTED 25%  
WEB SPLICES SHALL BE TESTED AS FOLLOWS:  
FOR 1/6 THE DEPTH OF THE WEB (TENSION AREA) ~ TESTED 100%  
FOR THE REMAINING DEPTH OF WEB (COMPRESSION AREA) ~ TESTED 25%  
FOR 1/6 DEPTH OF THE WEB @ TOP & BTM. (STRESS REVERSAL) ~ TESTED 100%  
THE REMAINING 2/3 OF THE WEB ~ TESTED 25%
- TERMINATE STIFFENER WELDS AS SHOWN IN THE "WELD TERMINATION DETAILS" ON SHEET M2

FIELD CONNECTIONS

- FIELD BOLTS SHALL HAVE A HEAVY HEX NUT, HEX HEAD, AND ONE DIRECT TENSION INDICATOR WASHERS?
- PIECE MARKS WILL BE LOCATED AS SHOWN ON ERECTION DRAWINGS. ALL ERECTION MARKS, MATCH MARKS, AND WEIGHT MARKS MUST NOT BE EXPOSED IN THE FINISHED STRUCTURE.
- HARDENED WASHERS ARE REQUIRED OVER OVERSIZED HOLES. SP-10

CLEANING AND PAINTING

- UNPAINTED STEEL SHALL BE BLAST CLEANED TO SSPC SP-X TO ACHIEVE A UNIFORM WEATHERED APPEARANCE.

Field splice plates should require CVN testing.

Direct Tension Indicator Washers?

SP-10

FINISH	N/A			
MATERIAL	SEE DETAIL SHEETS			
HOLES				
ELECTRODES	PER WELD PROCEDURE			
WELDS	PER WELD PROCEDURE			
SURFACE PREP		1	FEB 2015	correct l.b. & fab note 4 ETC
		NO	DATE	DESCRIPTION
				BY
REVISIONS				
		<b>ADVANCED RESOURCES &amp; CONST. ENTERPRISES, INCORPORATED</b> P.O. BOX 120 KINGFIELD, ME. 04947 PHONE: (207) 265-2646 - FAX: (207) 265-4054		
DRAFTER	ETC	<b>FRAMING PLAN &amp; BLOCKING ELEVATION</b>		PROJECT NO.
DATE	FEB 2015	VT Rte 121 over Saxtons River		<b>14-178</b>
CHECKED	GMM	Rockingham Vermont VTRANS - BRF 0128(12)		DWG. NO.
DATE	FEB 2015	Cold River Bridges, LLC		<b>1</b>