

RECEIVEDON: **April 13, 2016**

and Checked for

CONFORMANCE

BY: Rob Young DATE: 04/13/2016

- 1 Using cold water or adding ice as part of the mixing water
- 2 Sprinkling aggregate stock piles
- 3 Fog spraying forms immediately prior to casting
- 4 Placing fog sprays upwind and above the products during concreting, particularly during finishing or unformed surfaces
- 5 Covering the products with wet burlap or white plastic sheets as soon as concreting is completed
- 6 Monitor concrete temperature during curing

5.4.7 Cold-Weather Precautions

In cold weather, the temperature of concrete at the time of placing shall not be below 60°F.

Concrete that freezes before its compressive strength reaches at least 500 psi shall be discarded. Suitable precautions should be taken in cold weather to prevent concrete from freezing. Such precautions may include:

- a Heating the mixing water, but not above 150°F
- b Avoid using frozen aggregates
- c Heat forms prior to and after concreting
- d If concrete does not freeze and no heat is applied, do not ship the product until adequate strength is attained

5.48 Plant Requirements

- 1 Plant equipment used to transport concrete shall be inspected daily by the plant QC technician to ensure that concrete does not segregate or become contaminated. The QC technician shall perform and document a spot-check of the concrete transport, placement, consolidation, and finishing of each product line
- 2 Workers shall be properly trained in the use of internal and external vibrators
- 3 The plant shall maintain written procedures for concreting during hot and cold weather conditions, if applicable

5.5 CURING CONCRETE

5.5.1 General

Effective curing should begin as soon as initial set after casting is complete. If concrete is cured with steam, curing procedures must be established.

5.5.2 Curing by Moisture Retention

Preventing moisture from evaporating from the exposed surfaces of a precast product shall be considered an effective method of curing, provided the concrete temperature is above 55° F. If the concrete temperature is lower than 55° F but above 35° F, and moisture evaporation is prevented, the curing period must be extended. Forms shall be effective in preventing evaporation from the contact surfaces.

5.5.3 Curing with Heat and Moisture

Concrete shall not be subjected to steam, hot air, or other means of accelerated curing until after the concrete has attained its initial set. Establish the initial set of the concrete (ASTM C403) prior to introducing a heat-curing method. Steam, if used, shall be applied within a suitable enclosure that permits free circulation of the steam. If hot air is used for curing, precautions shall be taken to prevent moisture loss from the concrete. The temperature of the concrete shall not be permitted to exceed 150° F.

Fuel fired heaters shall not be used to directly heat exposed concrete surfaces due to the risk of severe carbonation of the concrete.

5.5.4 Plant Requirements

1. Temperature records shall be maintained in the plant records
2. If heat curing is used, the necessary initial set period shall be determined per Section 5.5.3
3. Products cast outdoors or in dry conditions shall be protected from moisture loss by application of a curing compound, moist cure, or impervious sheeting
4. QC inspector and/or Production Supervisors shall inspect curing of products and exposed surfaces of stripped products for evidence of plastic cracking. Damage shall be documented by QC department and filed

Concrete shall be steam cured until a minimum of 80% of its design strength has been achieved and for a period of not less than 6 hours. Application of the steam shall stop a minimum of 6 hours prior to removal of the enclosure to insure adequate cool down period.

5.6 STRIPPING PRODUCTS FROM FORMS

5.6.1 Minimum Strength Requirement

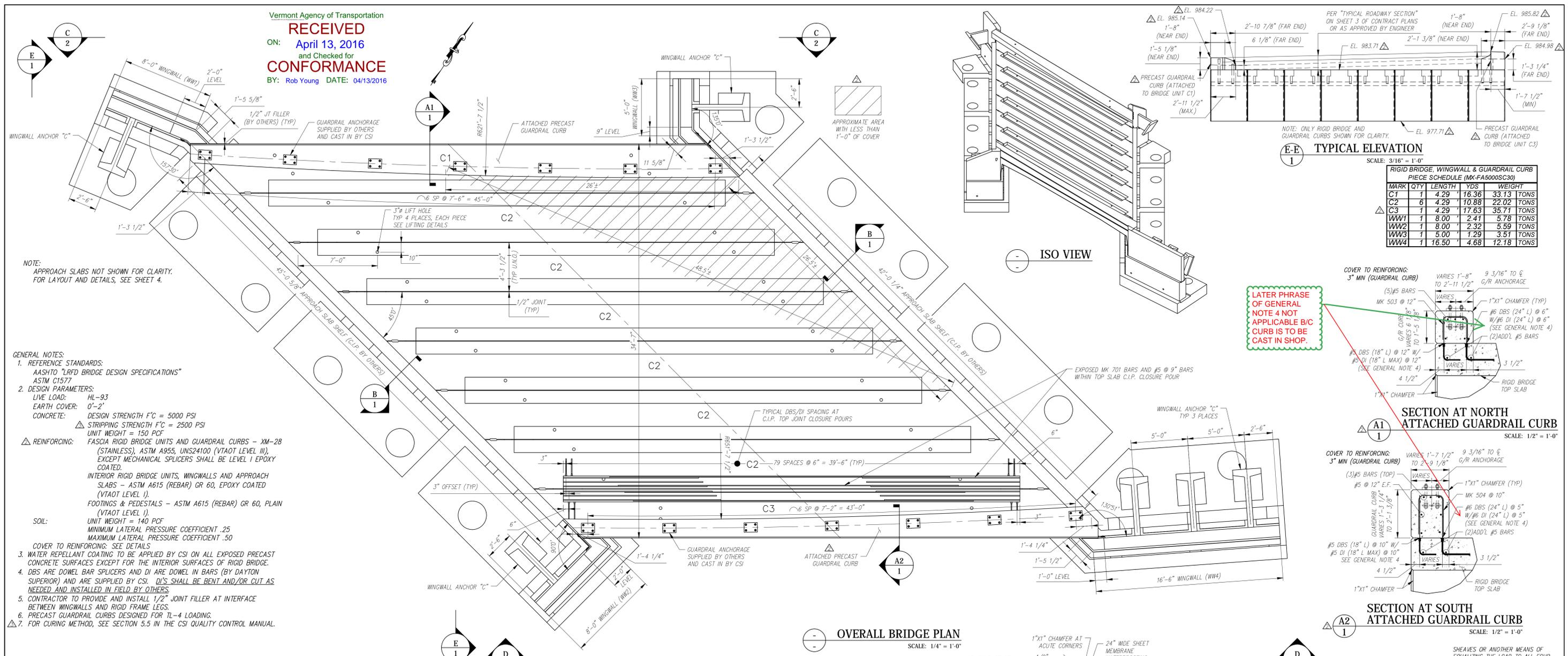
Products shall not be removed from forms until the concrete reaches designed comprehensive stripping strength or no less than 2,000 PSI.

In addition, QC technicians and Production Supervisors shall inspect actual product for approval of pulling piece to ensure that final set of concrete has occurred. These requirements do not apply to dry-cast or machine-made products. Periodic cylinder testing is good practice to monitor stripping strengths.

5.6.2 Product Damage During Stripping

Products damaged during stripping shall be evaluated by qualified plant personnel to determine if repairs are necessary, and if so, what repair is required before shipping. The QC

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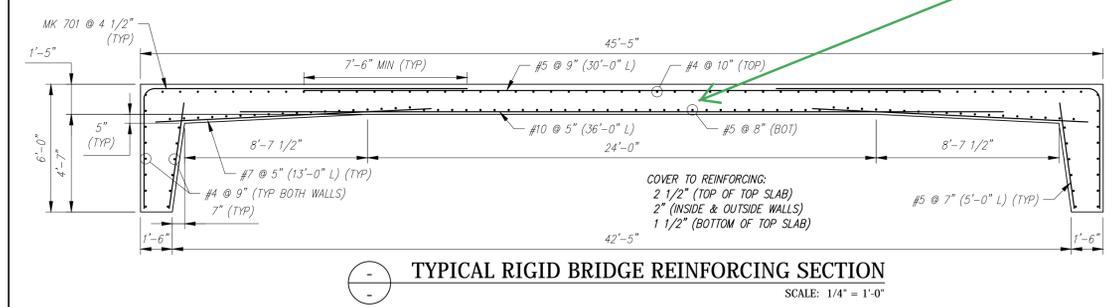


NOTE:
 APPROACH SLABS NOT SHOWN FOR CLARITY.
 FOR LAYOUT AND DETAILS, SEE SHEET 4.

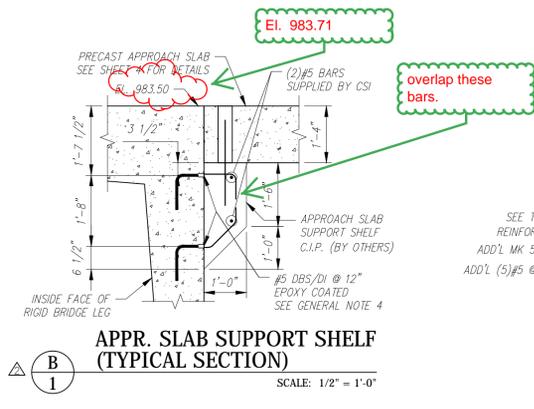
- GENERAL NOTES:
- REFERENCE STANDARDS:
 AASHTO "LRFD BRIDGE DESIGN SPECIFICATIONS"
 ASTM C1577
 - DESIGN PARAMETERS:
 LIVE LOAD: HL-93
 EARTH COVER: 0'-2"
 CONCRETE: DESIGN STRENGTH $f'_c = 5000$ PSI
 STRIPPING STRENGTH $f'_c = 2500$ PSI
 UNIT WEIGHT = 150 PCF
 - REINFORCING:
 FASCIA RIGID BRIDGE UNITS AND GUARDRAIL CURBS - XM-28 (STAINLESS), ASTM A955, UNS24100 (VTAOT LEVEL III), EXCEPT MECHANICAL SPLICERS SHALL BE LEVEL I EPOXY COATED.
 INTERIOR RIGID BRIDGE UNITS, WINGWALLS AND APPROACH SLABS - ASTM A615 (REBAR) GR 60, EPOXY COATED (VTAOT LEVEL I).
 FOOTINGS & PEDESTALS - ASTM A615 (REBAR) GR 60, PLAIN (VTAOT LEVEL I).
 SOIL:
 UNIT WEIGHT = 140 PCF
 MINIMUM LATERAL PRESSURE COEFFICIENT .25
 MAXIMUM LATERAL PRESSURE COEFFICIENT .50
 - COVER TO REINFORCING: SEE DETAILS
 - WATER REPELLANT COATING TO BE APPLIED BY CSI ON ALL EXPOSED PRECAST CONCRETE SURFACES EXCEPT FOR THE INTERIOR SURFACES OF RIGID BRIDGE.
 - DBS ARE DOWEL BAR SPLICERS AND DI ARE DOWEL IN BARS (BY DAYTON SUPERIOR) AND ARE SUPPLIED BY CSI. DI'S SHALL BE BENT AND/OR CUT AS NEEDED AND INSTALLED IN FIELD BY OTHERS.
 - CONTRACTOR TO PROVIDE AND INSTALL 1/2" JOINT FILLER AT INTERFACE BETWEEN WINGWALLS AND RIGID FRAME LEGS.
 - PRECAST GUARDRAIL CURBS DESIGNED FOR TL-4 LOADING.
 - FOR CURING METHOD, SEE SECTION 5.5 IN THE CSI QUALITY CONTROL MANUAL.

SEE SHOP DRAWINGS FOR ADDITIONAL DETAILS.

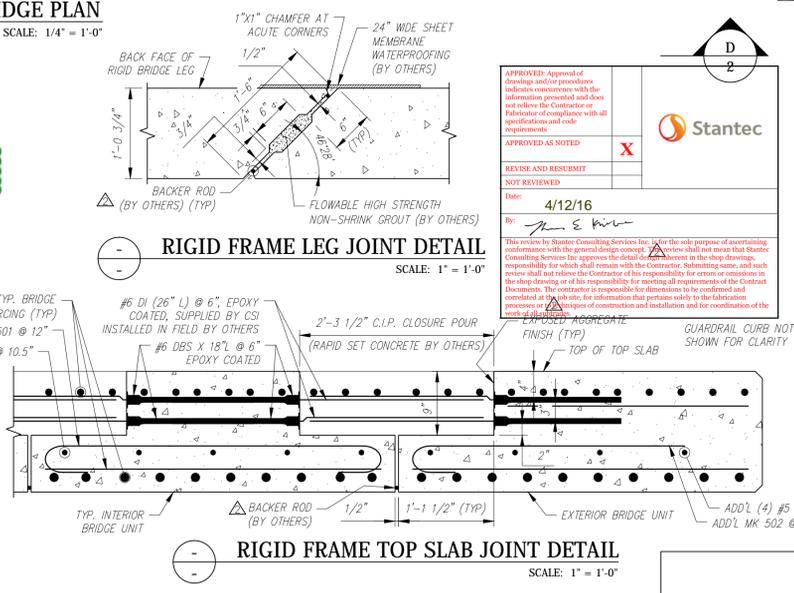
additional mk 501 and # 5 @ 10" for joint not shown in this section, refer to rigid frame top slab joint detail.



TYPICAL RIGID BRIDGE REINFORCING SECTION
 SCALE: 1/4" = 1'-0"

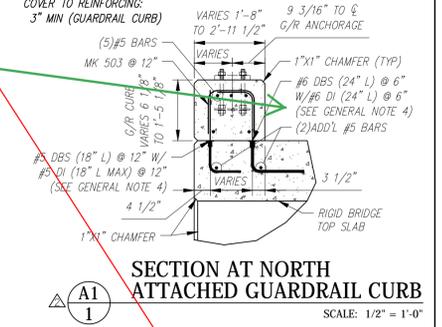


APPR. SLAB SUPPORT SHELF (TYPICAL SECTION)
 SCALE: 1/2" = 1'-0"

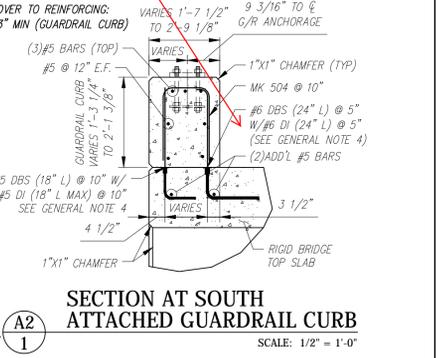


RIGID FRAME TOP SLAB JOINT DETAIL
 SCALE: 1" = 1'-0"

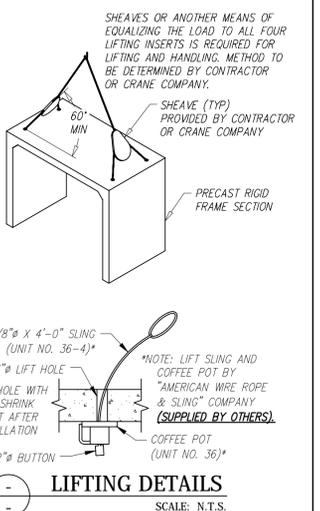
APPROVED: Approval of drawings and/or procedure follows in accordance with the information presented and does not constitute an approval of the Contractor or fabricator of compliance with all specifications and code requirements.	
APPROVED AND SUBMITTED: <i>[Signature]</i>	
REVISION AND RESUBMIT: NOT REVIEWED	
Date: 4/12/16	
<p>This review by Stantec Consulting Services Inc. for the sole purpose of ascertaining compliance with the general design intent. This review shall not mean that Stantec Consulting Services Inc. approves the detail or is responsible for the design. The Contractor shall remain responsible for the design and shall not release the Contractor of his responsibility for errors or omissions in the shop drawings or for the information for the fabrication of the bridge components. The Contractor is responsible for the fabrication of the bridge components and for the coordination of the construction and installation and for coordination of the construction and installation.</p>	



SECTION AT NORTH ATTACHED GUARDRAIL CURB
 SCALE: 1/2" = 1'-0"



SECTION AT SOUTH ATTACHED GUARDRAIL CURB
 SCALE: 1/2" = 1'-0"



LIFTING DETAILS
 SCALE: N.T.S.

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This drawing contains information proprietary to CONCRETE SYSTEMS, INC. This drawing is disclosed with the understanding that it will be retained in confidence and its use limited solely to the purpose for which it is disclosed. It is understood that no reproduction of this drawing is authorized without permission from CONCRETE SYSTEMS, INC. and that it will be returned to CONCRETE SYSTEMS, INC. upon request.

Rev.	Date	DESCRIPTION	By
10			
9			
8			
7			
6			
5			
4			
3	04/13/2016	ADDED STRIPPING STRENGTH AND CURING METHOD NOTES.	AK
2	04/08/2016	SEE REV2 TRIANGLES.	AK
1	03/23/2016	SEE REV1 TRIANGLES.	AK
Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:

Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS

Specifications:
 DESCRIPTION

Other Sources:

Concrete Systems Inc.
 9 Commercial St., Hudson, NH 03051
 Phone 603-889-4163
 Fax 603-889-2417

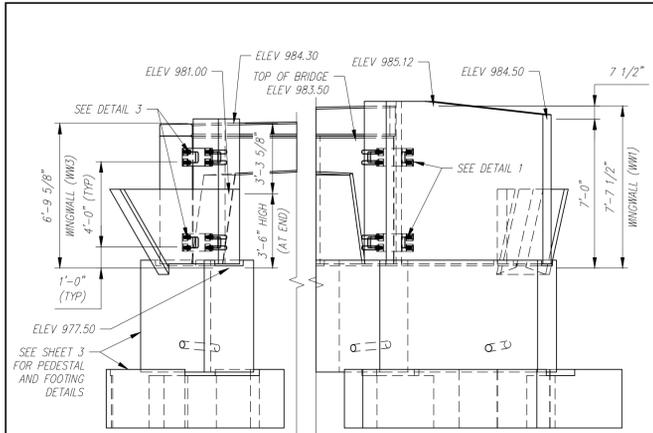
STATE AGENCY
 VTrans
 Drawn By: A. KOSTENKO
 Date: 02/03/2016
 Reviewed By:
 Date:

VTAOT PROJ. NO.: BRF 0151(21)

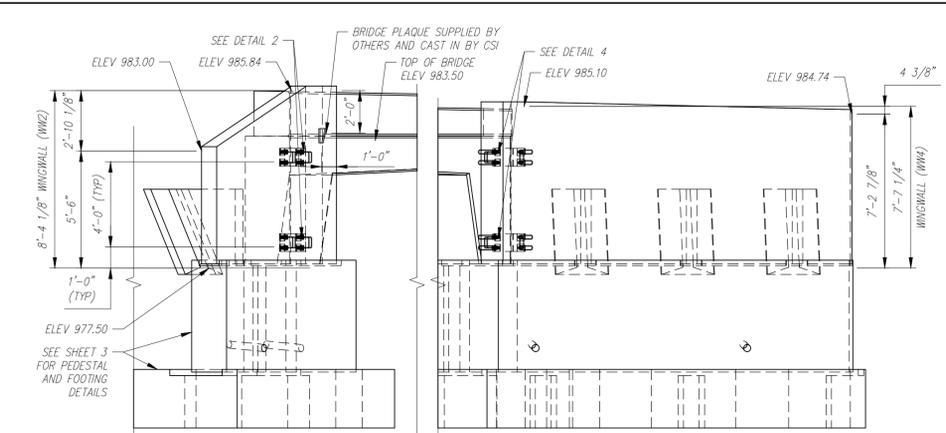
MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

PRECAST RIGID BRIDGE LAYOUT & DETAILS
 Drawing No. R-S22624-L01A
 REV 3

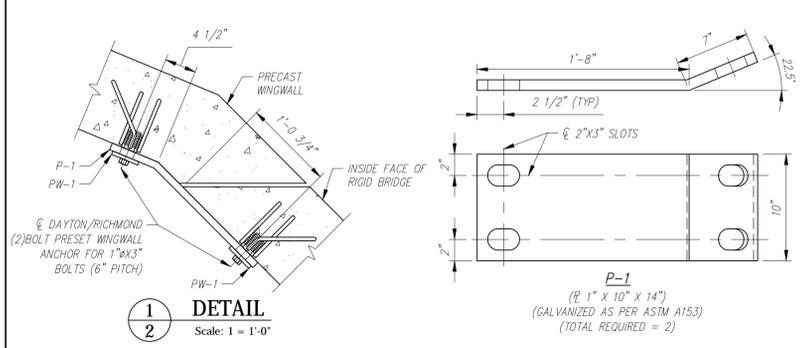
Quantity: Project No: SHEET 1 OF 4



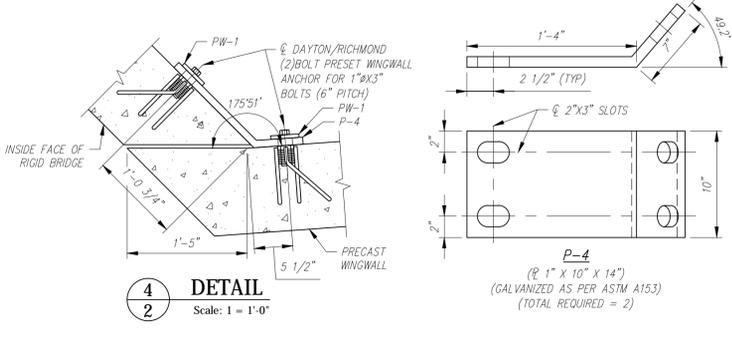
C-C WEST END ELEVATION
SCALE: 1/4" = 1'-0"



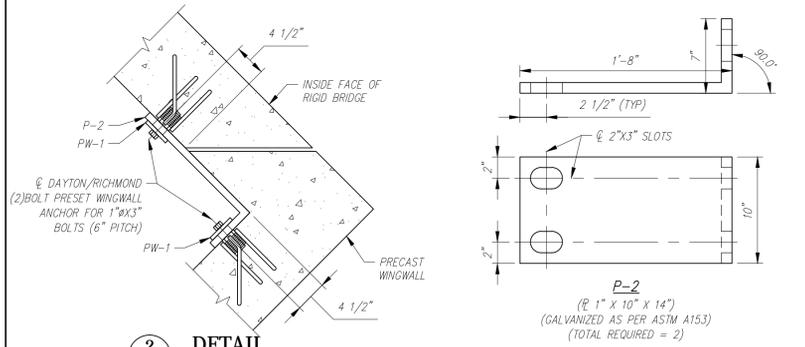
D-D EAST END ELEVATION
SCALE: 1/4" = 1'-0"



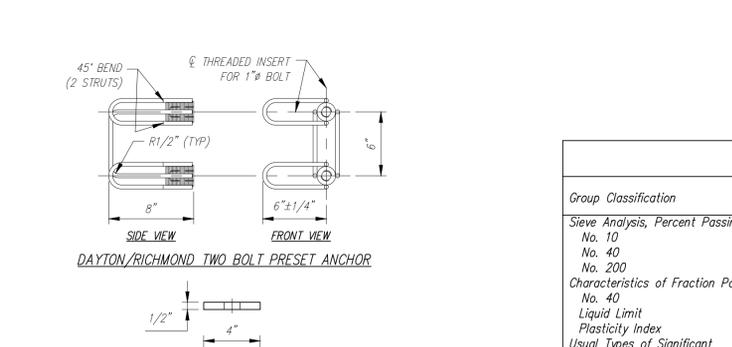
1 DETAIL
Scale: 1 = 1'-0"



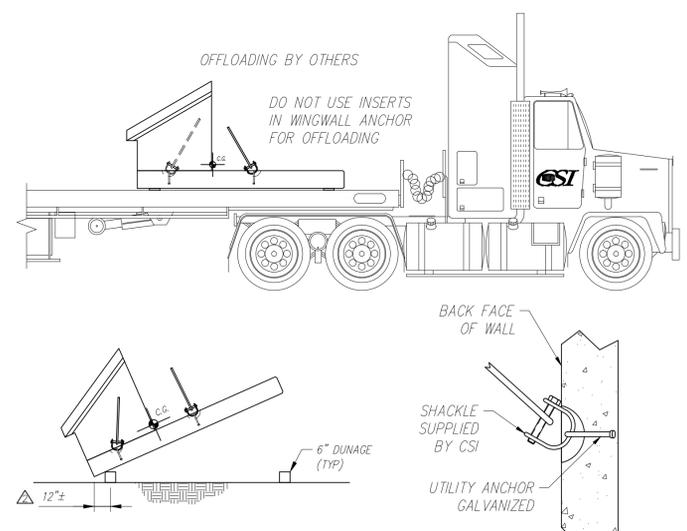
2 DETAIL
Scale: 1 = 1'-0"



3 DETAIL
Scale: 1 = 1'-0"

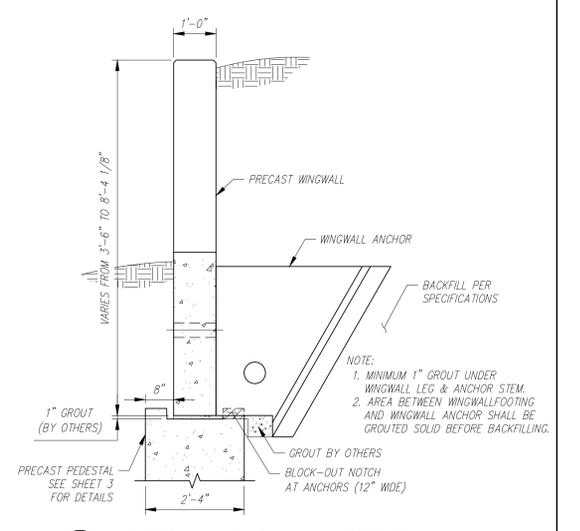


4 DETAIL
Scale: 1 = 1'-0"



WINGWALL LIFTING/OFFLOADING & TRIPPING DETAILS
Scale: N.T.S.

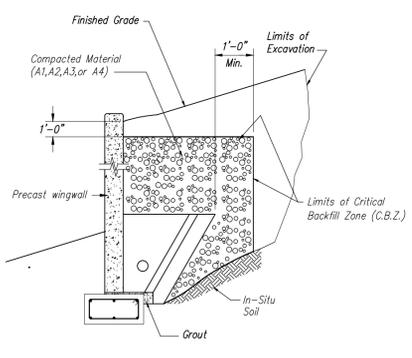
- WINGWALL GENERAL NOTES:**
- REFERENCE STANDARD: AASHTO LRFD SPECIFICATIONS
 - DESIGN PARAMETERS:
 - SOIL BEARING: 3000 PSF (TO BE VERIFIED BY ENGINEER)
 - CONCRETE: DESIGN STRENGTH $f'_c = 4000$ PSI
 - STRIPPING STRENGTH $f'_c = 2500$ PSI
 - UNIT WEIGHT = 150 PCF
 - REINFORCING: ASTM A615 (REBAR), GRADE 60, EPOXY COATED
 - SOIL: (TAOT LEVEL) UNIT WEIGHT = 140 PCF
 - MINIMUM LATERAL PRESSURE COEFFICIENT .25
 - MAXIMUM LATERAL PRESSURE COEFFICIENT .50
 - COVER TO REINFORCING: 2" U.N.O.
 - WINGWALLS HAVE BEEN DESIGNED FOR GENERAL SITE CONDITIONS. THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR THE STRUCTURE'S SUITABILITY TO THE EXISTING SITE CONDITIONS AND FOR THE HYDRAULIC EVALUATION, INCLUDING SCOUR AND CONFIRMATION OF SOIL CONDITIONS.
 - PRIOR TO CONSTRUCTION, CONTRACTOR MUST VERIFY ALL ELEVATIONS SHOWN THROUGH THE ENGINEER.
 - FOR CURING METHOD, SEE SECTION 5.5 IN THE CSI QUALITY CONTROL MANUAL.



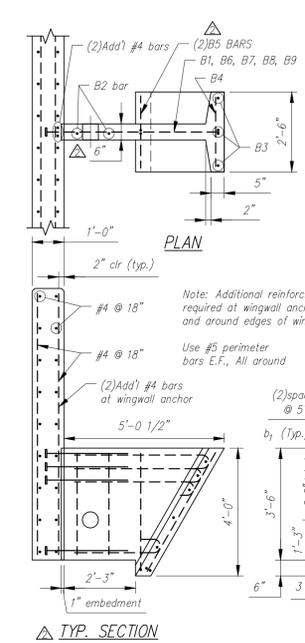
TYPICAL WINGWALL SECTION
SCALE: 1/2" = 1'-0"

Group Classification	BACKFILL DESCRIPTION						
	A-1	A-3	A-2		A-2-6		A-2-7
Sieve Analysis, Percent Passing							
No. 10	50 max.	51 min.					
No. 40	30 max.	50 max.	10 max.	35 max.	35 max.	35 max.	35 max.
No. 200	15 max.	25 max.	10 max.	35 max.	35 max.	35 max.	35 max.
Characteristics of Fraction Passing							
No. 40				40 max.	41 min.	40 max.	41 min.
Liquid Limit				10 max.	10 max.	11 min.	11 min.
Plasticity Index							
Usual Types of Significant Constituent Materials	6 max. Stone Fragments, Gravel & Sand	N.P. Fine Sand					
General Rating as Subgrade	Excellent to Good						

- NOTES:**
- BACKFILLING OPERATIONS WITHIN THE C.B.Z. SHALL BE PERFORMED IN LIFTS OF 8" OR LESS (LOOSE DEPTH).
 - MAXIMUM DRY DENSITY SHALL BE DETERMINED BY AASHTO T-99 OR OTHER APPROVED METHODS.
 - BACKFILL SHALL BE COMPACTED IN LAYERS UNTIL THE DENSITY IS NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY.

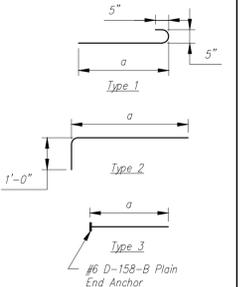


WINGWALL BACKFILL REQUIREMENTS



BAR LIST				
MARK	QTY.	SIZE	a	TYPE
B1	4	#6	2'-7"	3
B2	2	#5		Str.
B3	4	#5		Str.
B4	7	#5		Str.
B5	2	#5	3'-8"	2
B6	1	#5	2'-9"	1
B7	1	#5	3'-9"	1
B8	1	#5	4'-0"	1
B9	1	#5	4'-3"	1

Note: "Str." denotes straight bar. Standard clearance = 2"



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3	04/13/2016	ADDED STRIPPING STRENGTH AND CURING METHOD NOTES.	AK
2	04/08/2016	SEE REV2 TRIANGLES.	AK
1	03/23/2016	SEE REV1 TRIANGLES.	AK
Rev.	Date	DESCRIPTION	By

STRUCTURAL DESIGN OF RIGID BRIDGE, GUARDRAIL CURBS AND WINGWALLS ONLY

Vermont Agency of Transportation
RECEIVED
ON: April 13, 2016
and Checked for CONFORMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicate concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.

APPROVED AS NOTED

REVISE AND RESUBMIT

NOT REVIEWED

Date:

By: *[Signature]*

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Engineer: STANTEC CONSULTING SERVICES, INC.
Project No:
Drawings: PROJECT PLANS
Specifications:
Other Sources:

CSI
Concrete Systems Inc.
9 Commercial St., Hudson, NH 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY
VTrans
Reviewed By: A. KOSTENKO
Date: 02/03/2016

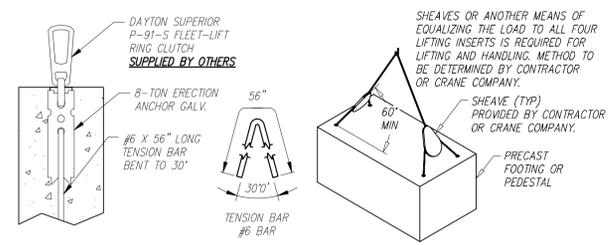
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MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

ELEVATIONS AND WINGWALL DETAILS
Drawing No. R-S22624-L01B
REV 3

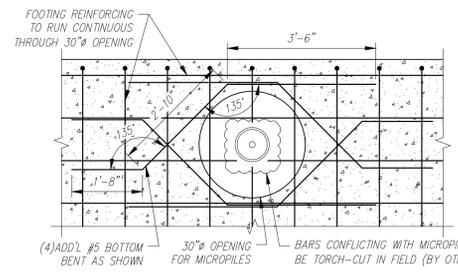
Quantity: Project No: SHEET 2 OF 4

FOOTING AND PEDESTAL PIECE SCHEDULE (MX-FA5000SC30)				
MARK	QTY	LENGTH	YDS	WEIGHT
F1	1	7.99	5.52	11.18 TONS
F2	1	13.50	9.90	20.05 TONS
F3	1	16.00	11.68	23.66 TONS
F4	1	17.03	11.20	22.69 TONS
F5	1	9.81	6.84	13.84 TONS
F6	1	16.00	11.68	23.66 TONS
F7	1	18.50	13.46	27.27 TONS
F8	1	18.11	12.59	25.49 TONS
P1	1	23.98	10.53	21.31 TONS
P2	2	30.44	13.35	27.04 TONS
P3	1	11.46	5.07	10.15 TONS
P4	1	21.32	9.36	18.95 TONS
P5	1	19.96	8.75	17.72 TONS

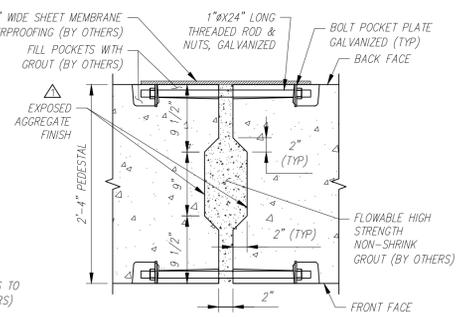


TYPICAL LIFTING DETAILS
SCALE: N.T.S.

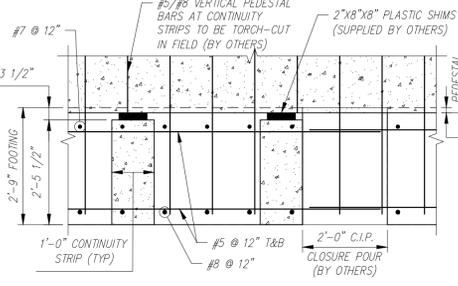
SEE SHOP DRAWINGS FOR ADDITIONAL DETAILS.



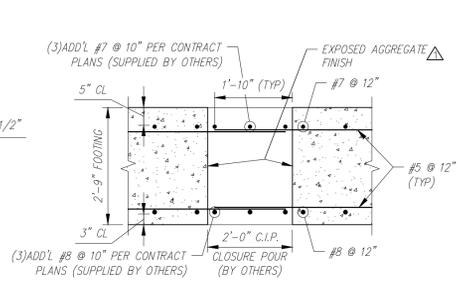
ADDITIONAL REINFORCING AT 30\"/>



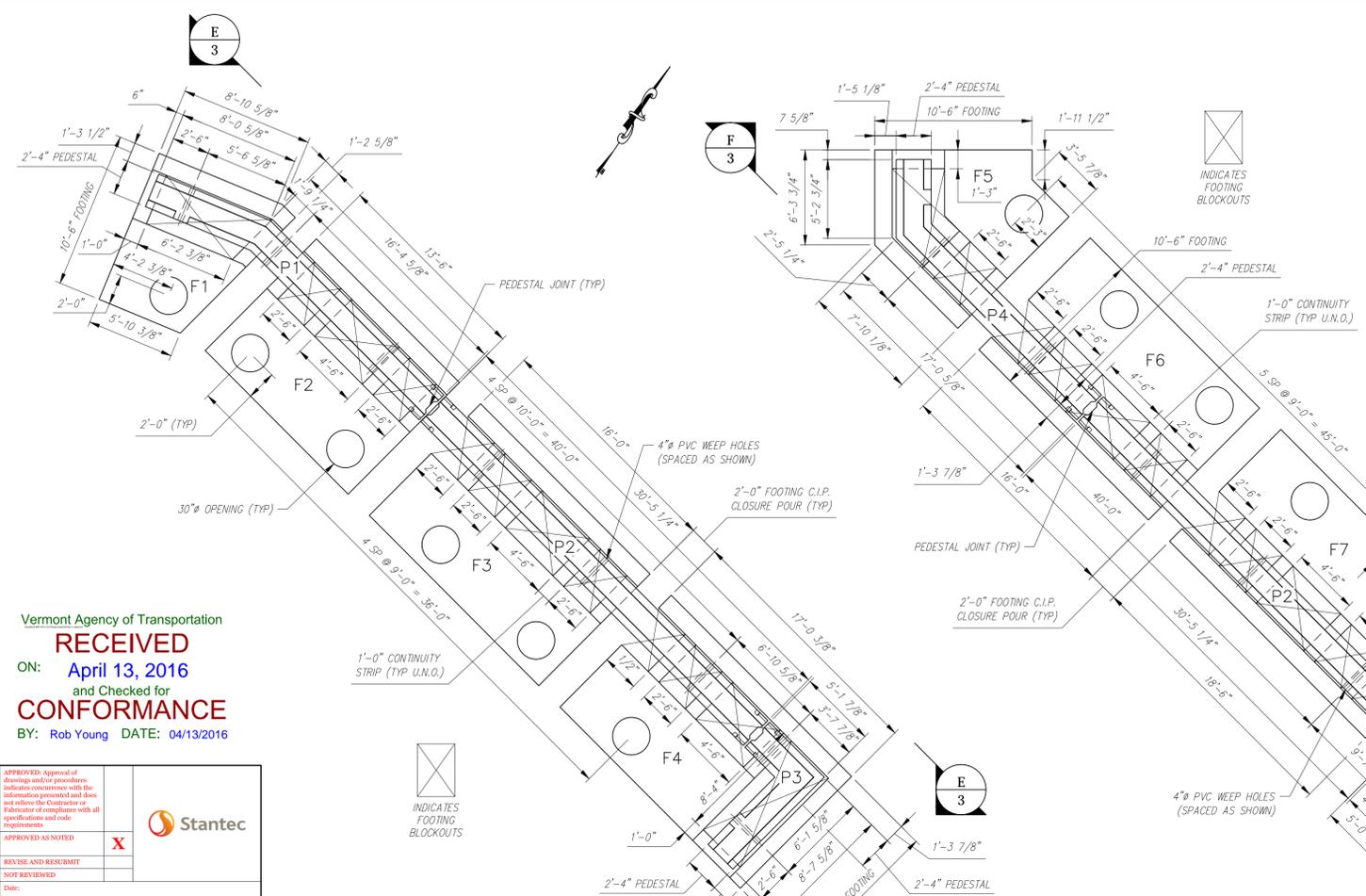
PEDESTAL JOINT DETAIL
SCALE: N.T.S.



TYP. SECTION THROUGH CONTINUITY STRIPS
SCALE: 1/2\"/>



FOOTING CLOSURE POUR DETAIL
SCALE: 1/2\"/>



FOOTING & PEDESTAL PLAN
SCALE: 3/16\"/>

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BY: Rob Young DATE: 04/13/2016

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APPROVED AS NOTED **X**

REVISE AND RESUBMIT

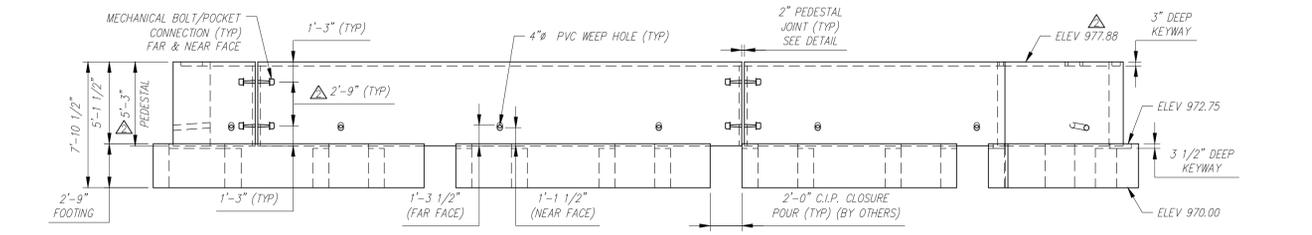
NOT REVIEWED

Date:

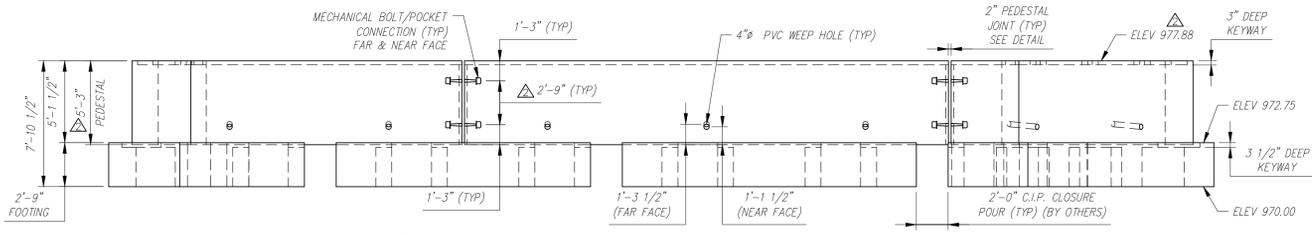
By: *[Signature]*

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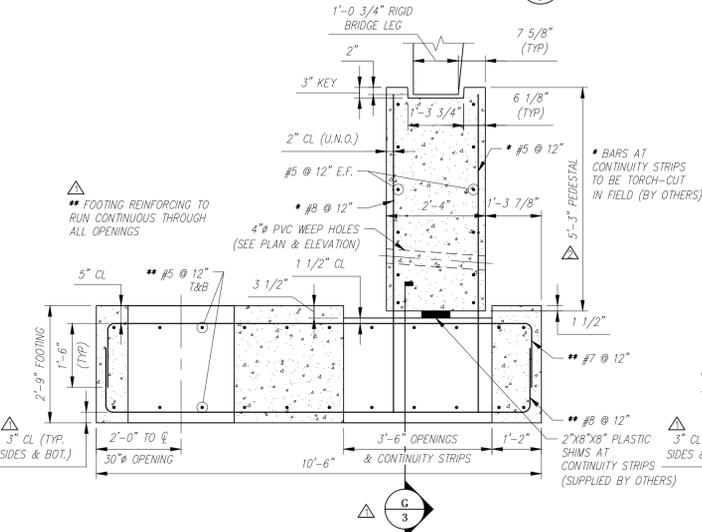
Stantec



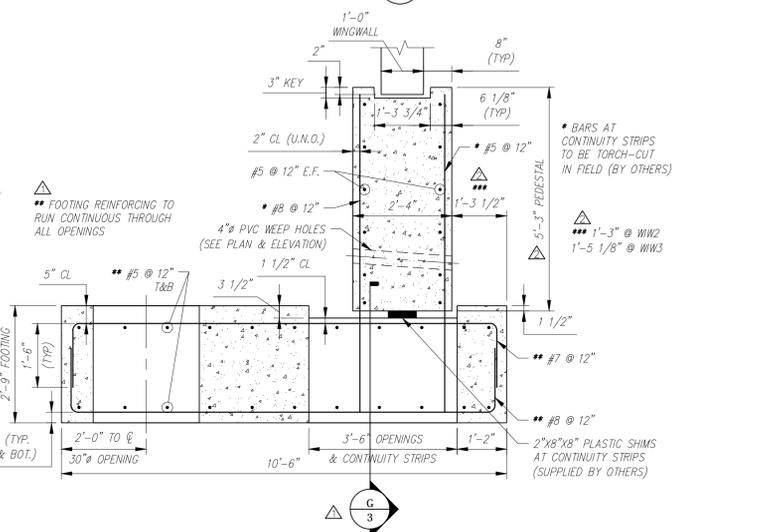
SOUTH FOOTING/PEDESTAL ELEVATION
SCALE: 3/16\"/>



NORTH FOOTING/PEDESTAL ELEVATION
SCALE: 3/16\"/>



FOOTING & PEDESTAL SECTION (AT RIGID BRIDGE LEG)
SCALE: 1/2\"/>



FOOTING & PEDESTAL SECTION (AT WINGWALLS)
SCALE: 1/2\"/>

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		DESCRIPTION	
		REVISIONS	

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STATE AGENCY
VTrans
Vermont
Reviewed By: A. KOSTENKO
Date: 03/03/2016

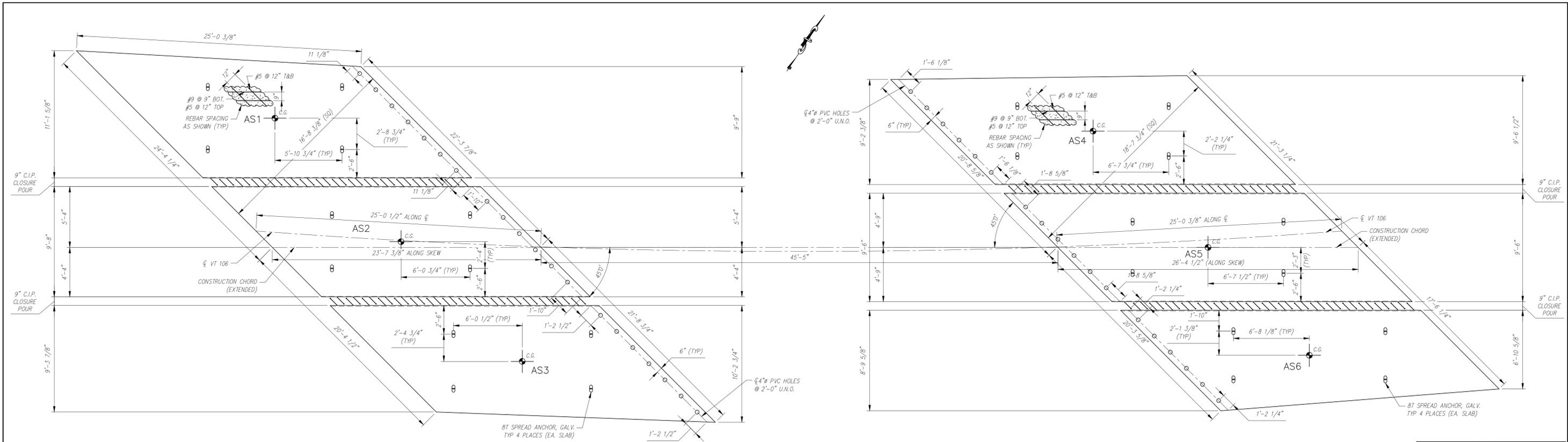
VTAOT PROJ. NO.: BRF 0151(21)

MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

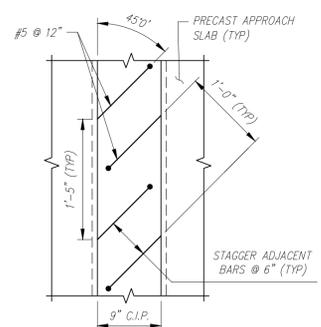
FOOTING/PEDESTAL PLAN AND DETAILS

Drawing No: R-S22624-L01C
REV 1

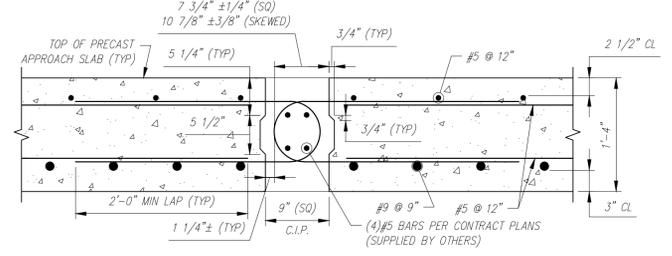
Quantity: Project No: SHEET 3 OF 4



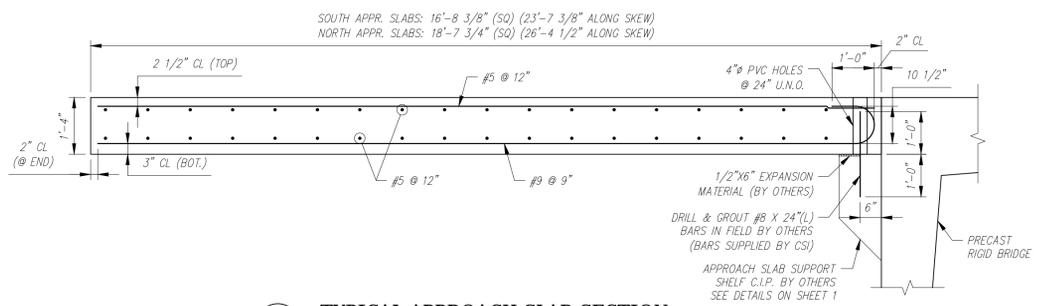
APPROACH SLAB PLAN
SCALE: 1/4" = 1'-0"



TYPICAL C.I.P. CLOSURE POUR PLAN
SCALE: 1" = 1'-0"

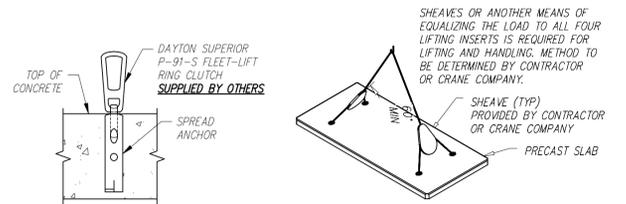


TYPICAL C.I.P. CLOSURE POUR SECTION
SCALE: 1" = 1'-0"



TYPICAL APPROACH SLAB SECTION
SCALE: 1/2" = 1'-0"

▲ SEE SHOP DRAWINGS FOR ADDITIONAL DETAILS.



APPROACH SLAB LIFTING DETAILS
SCALE: N.T.S.

APPROACH SLAB PIECE SCHEDULE (MX-FA5000SC30)				
MARK	QTY	LENGTH	YDS	WEIGHT
AS1	1	23.61'	12.18	24.67 TONS
AS2	1	23.61'	11.27	22.83 TONS
AS3	1	23.61'	11.40	23.09 TONS
AS4	1	26.38'	12.20	24.71 TONS
AS5	1	26.38'	12.37	25.06 TONS
AS6	1	26.38'	10.22	20.70 TONS

Vermont Agency of Transportation
RECEIVED
ON: **April 13, 2016**
and Checked for
CONFORMANCE
BY: **Rob Young** DATE: **04/13/2016**

APPROVED Approval of drawings and/or procedures indicate concurrence with the information presented and does not release the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>[Signature]</i>

This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review does not mean that Stantec Consulting Services Inc. agrees for design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Stantec, its name, and such review shall not release the Contractor of its responsibility for errors or omissions in the shop drawings or of its responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all submittals.

Stantec

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.

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1	04/08/2016	SEE REV 1 TRIANGLES.	AK
Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

Concrete Systems Inc.
9 Commercial St., Hudson, NH 03051
Phone 603-889-4163 Fax 603-889-2417

STATE AGENCY
VTrans

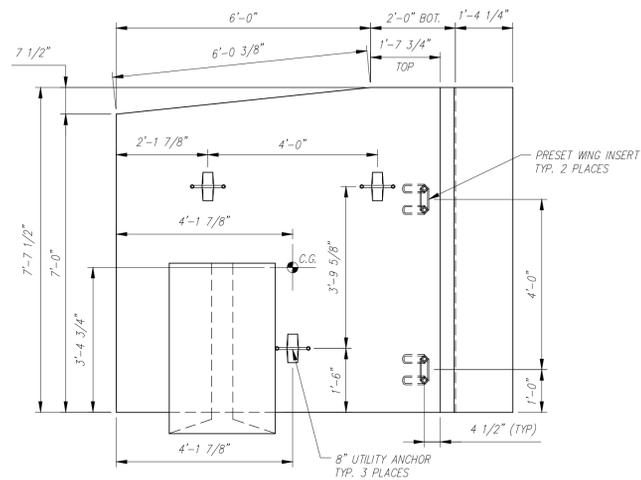
Drawn By: A. KOSTENKO Date: 03/03/2016
 Reviewed By: Date:
 Approved By: Date:

VTAOT PROJ. NO.: BRF 0151(21)

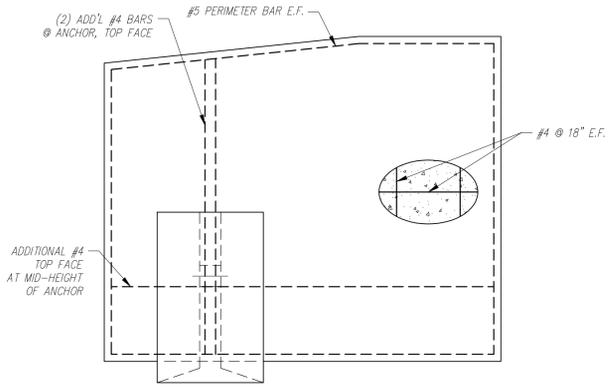
MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

APPROACH SLAB PLAN AND DETAILS
 Drawing No. R-S22624-L01D
 Quantity: Project No: SHEET 4 OF 4

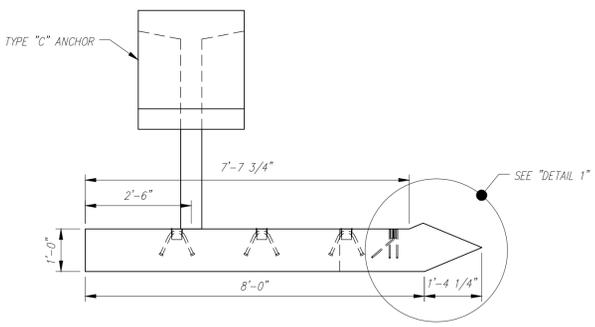
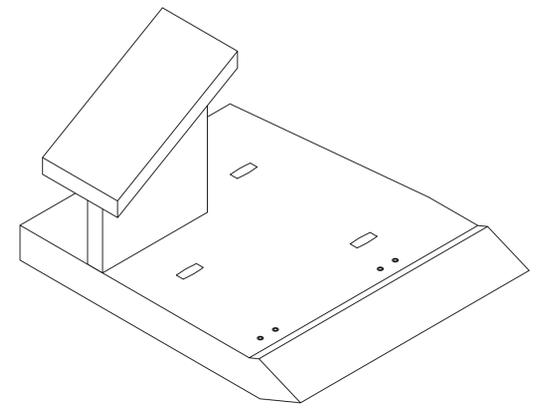
- NOTES:
1. ALL REINFORCING TO BE EPOXY COATED.
 2. ALL EXPOSED EDGES TO BE 1" CHAMFERED.
 3. COVER TO REINFORCING: 2" U.N.O.
 4. WATER REPELLANT COATING TO BE APPLIED ON FRONT, TOP AND 1.5" DOWN BACK FACE.



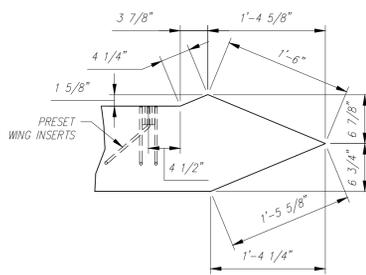
PLAN (CASTING POSITION)
SCALE: 1/2" = 1'-0"



REINFORCING PLAN
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"



DETAIL
SCALE: 1" = 1'-0"

Vermont Agency of Transportation
RECEIVED
ON: April 13, 2016
and Checked for
CONFIRMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED - Approval of drawings and/or preconstruction information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>[Signature]</i>
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and coordinated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all trades.</small>	



Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.

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Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

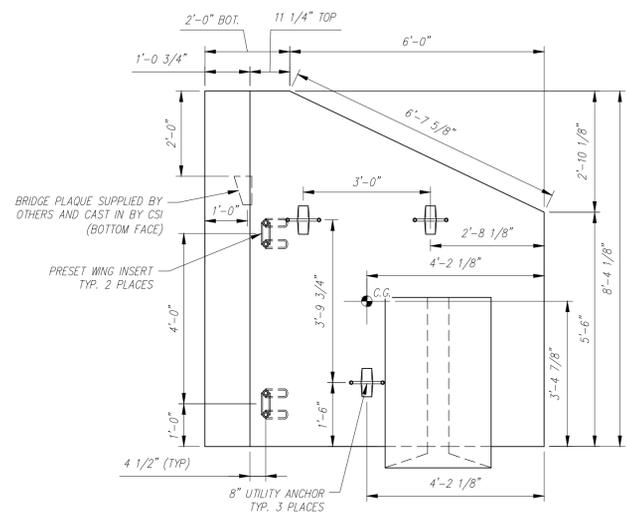
CSI
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY
VTrans
Vermont Agency of Transportation
Drawn By: A. KOSTENKO
Reviewed By: [Signature]
Approved By: [Signature]
Date: 04/04/2016

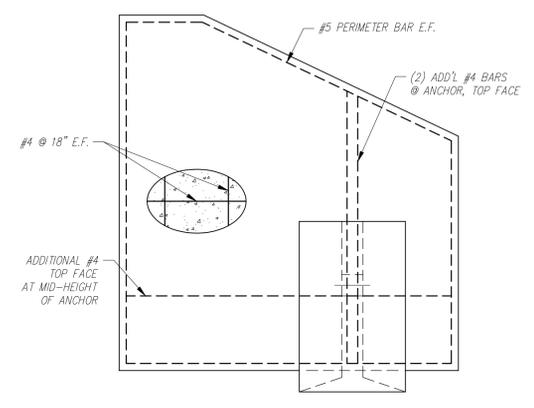
PIECE QUANTITY: 1 EACH
WEIGHT: 5.78 TONS

VTAOT PROJ. NO.: BRF 0151(21)
MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

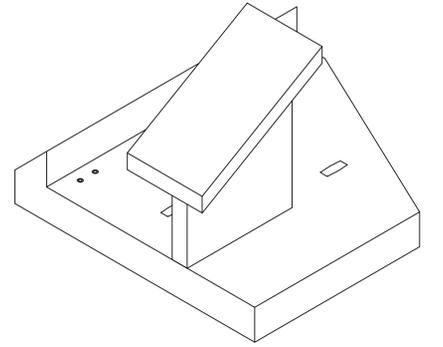
SHOP DRAWING - WW1
Drawing No. R-S22624-WW1
Quantity: 1 Project No: SHEET WW1 OF



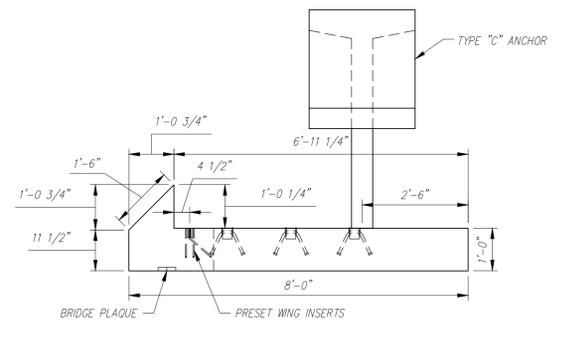
PLAN (CASTING POSITION)
SCALE: 1/2" = 1'-0"



REINFORCING PLAN
SCALE: 1/2" = 1'-0"



- NOTES:
1. ALL REINFORCING TO BE EPOXY COATED.
 2. ALL EXPOSED EDGES TO BE 1" CHAMFERED.
 3. COVER TO REINFORCING: 2" U.N.O.
 4. WATER REPELLANT COATING TO BE APPLIED ON FRONT, TOP AND 1.5' DOWN BACK FACE.



ELEVATION
SCALE: 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
ON: **April 13, 2016**
and Checked for
CONFORMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.		
APPROVED AS NOTED	X	
REVISE AND RESUBMIT		
NOT REVIEWED		
DATE:		
BY:		

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PIECE QUANTITY: 1 EACH
WEIGHT: 5.59 TONS

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.

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Rev.	Date	DESCRIPTION	By	
REVISIONS				

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

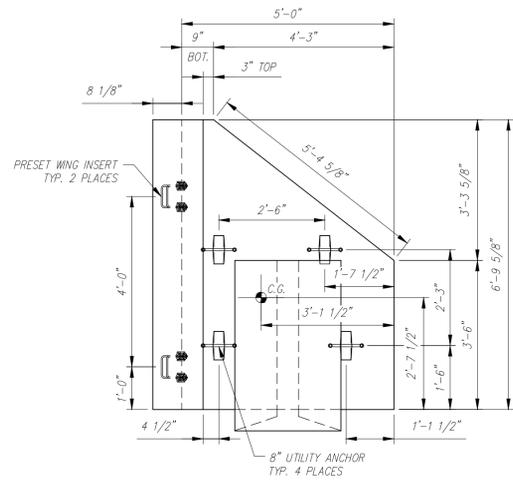
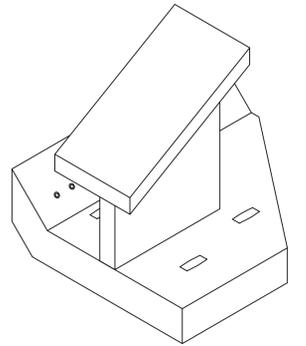
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY

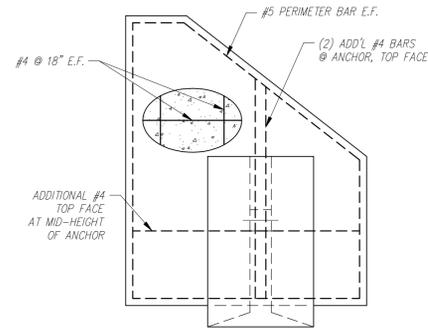
Drawn By: A. KOSTENKO Date: 04/04/2016
Reviewed By: Date:
Approved By: Date:

VTAOT PROJ. NO.: BRF 0151(21)
MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT
SHOP DRAWING -- WW2
Drawing No. R-S22624-WW2
Quantity: 1 Project No: SHEET WW2 OF

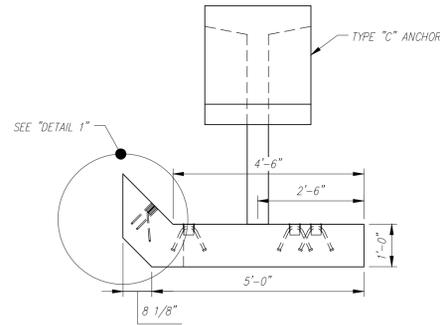
- NOTES:
1. ALL REINFORCING TO BE EPOXY COATED.
 2. ALL EXPOSED EDGES TO BE 1" CHAMFERED.
 3. COVER TO REINFORCING: 2" U.N.O.
 4. WATER REPELLANT COATING TO BE APPLIED ON FRONT, TOP AND 1.5' DOWN BACK FACE.



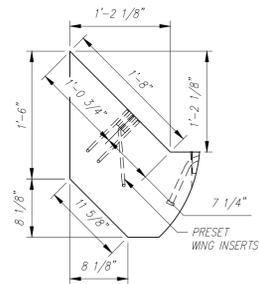
PLAN (CASTING POSITION)
SCALE: 1/2" = 1'-0"



REINFORCING PLAN
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"



1 DETAIL
SCALE: 1" = 1'-0"

Vermont Agency of Transportation
RECEIVED
ON: **April 13, 2016**
and Checked for
CONFORMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and the provisions indicate concurrence with the information presented and does not relieve the Contractor of fabrication of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By: <i>[Signature]</i>	
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining concurrence with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submittals, notes, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and increased at the job site, for information that pertains solely to the fabrication, placement, or techniques of construction and installation and for coordination of the work with other trades.</small>	

PIECE QUANTITY: 1 EACH
WEIGHT: 3.51 TONS

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.

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Rev.	Date	DESCRIPTION	By
REVISIONS			

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

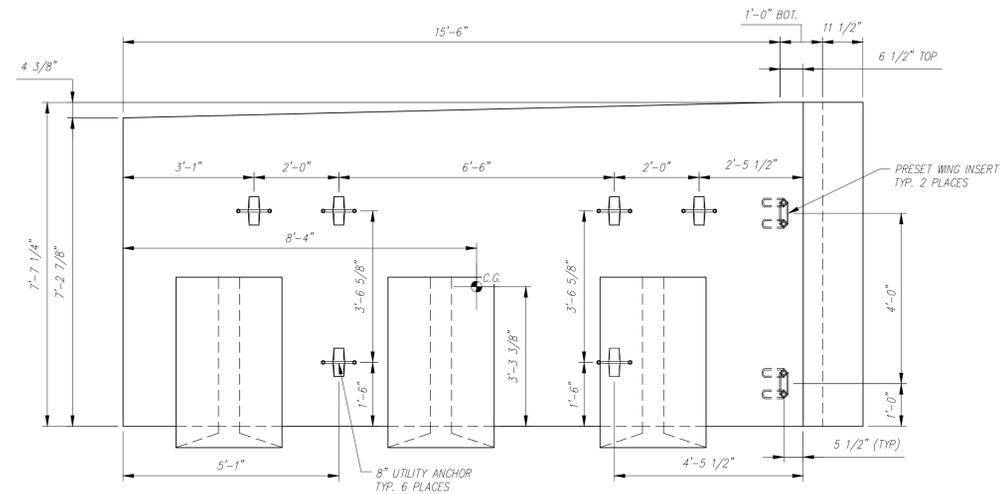
CSI
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY
VTrans
Drawn By: A. KOSTENKO
Reviewed By: [Signature]
Approved By: [Signature]
Date: 04/04/2016

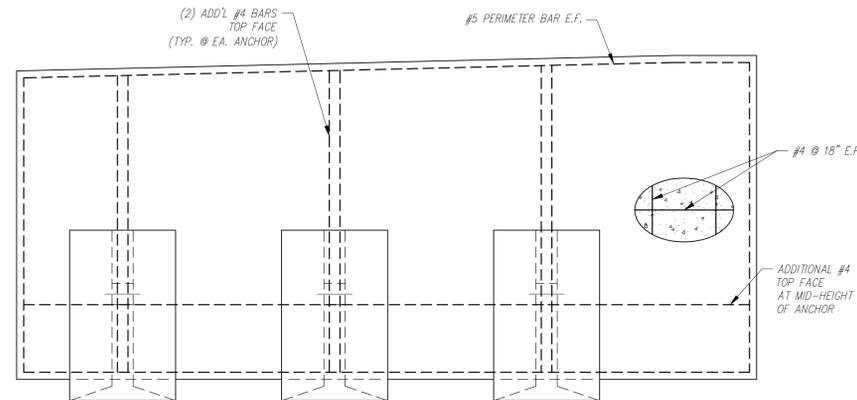
VTAOT PROJ. NO.: BRF 0151(21)
MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

D	SHOP DRAWING -- WW2	REV 0
Drawing No.	R-S22624-WW2	
Quantity: 1	Project No:	SHEET WW2 OF

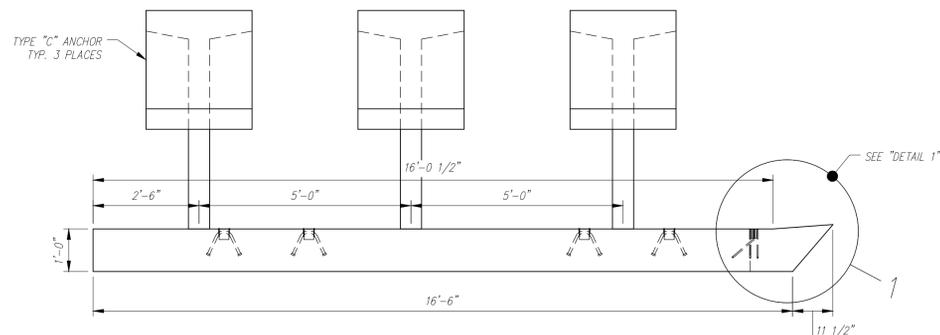
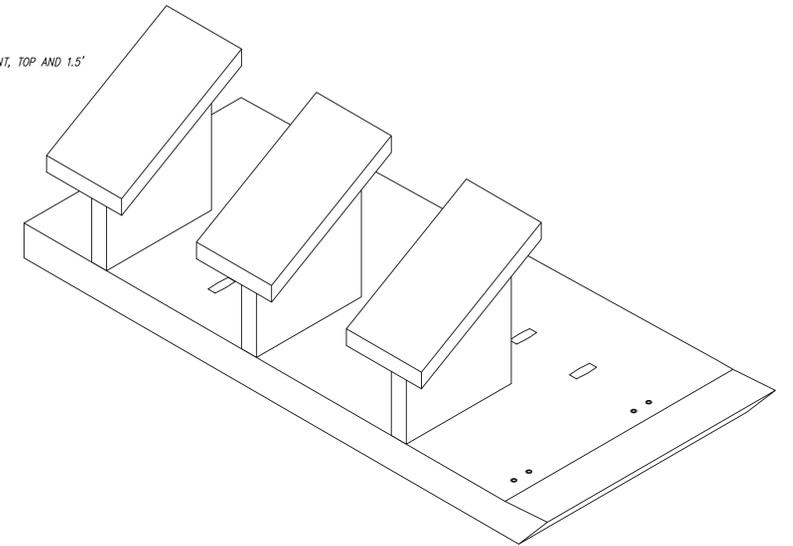
- NOTES:
1. ALL REINFORCING TO BE EPOXY COATED.
 2. ALL EXPOSED EDGES TO BE 1" CHAMFERED.
 3. COVER TO REINFORCING: 2" U.N.O.
 4. WATER REPELLANT COATING TO BE APPLIED ON FRONT, TOP AND 1.5' DOWN BACK FACE.



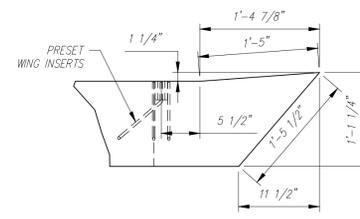
PLAN (CASTING POSITION)
SCALE: 1/2" = 1'-0"



REINFORCING PLAN
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"



DETAIL
SCALE: 1" = 1'-0"

Vermont Agency of Transportation
RECEIVED
ON: April 13, 2016
and Checked for
CONFORMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawing and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>[Signature]</i>
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawing or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all subcontractors.</small>	



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Rev.	Date	DESCRIPTION	By	
REVISIONS				

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

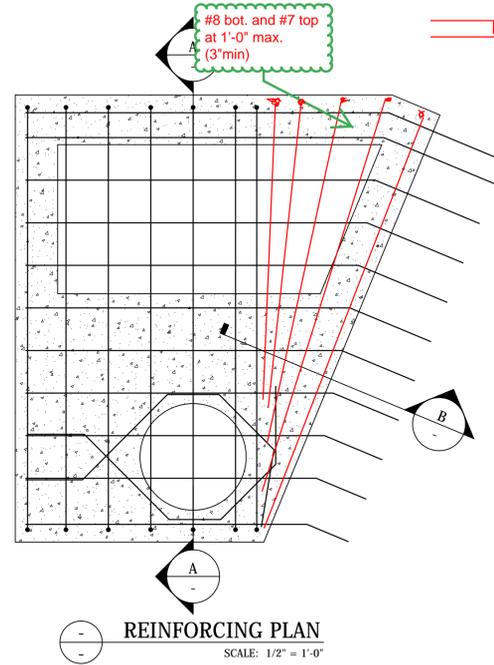
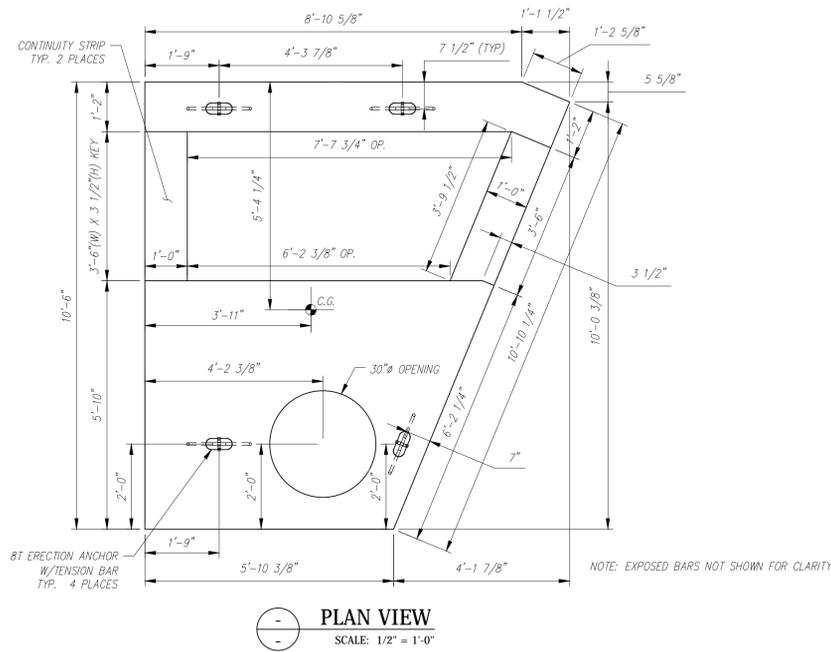
STATE AGENCY
VTrans
Vermont Agency of Transportation
Drawn By: A. KOSTENKO
Reviewed By: [Signature]
Approved By: [Signature]
Date: 04/04/2016

PIECE QUANTITY: 1 EACH
WEIGHT: 12.18 TONS

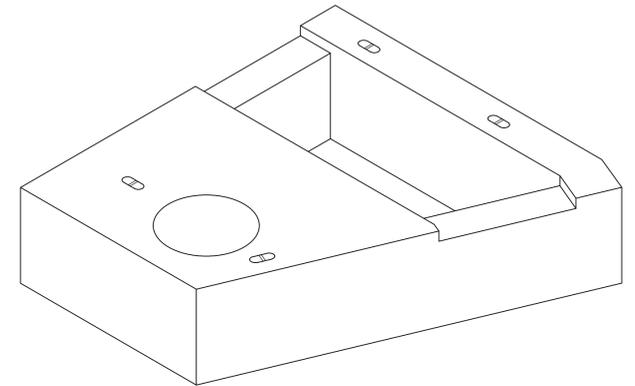
VTAOT PROJ. NO.: BRF 0151(21)
MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

SHOP DRAWING -- WW4
Drawing No. R-S22624-WW4
Quantity: 1 Project No: SHEET WW4 OF

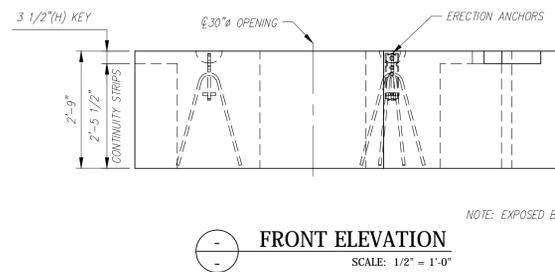
- NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



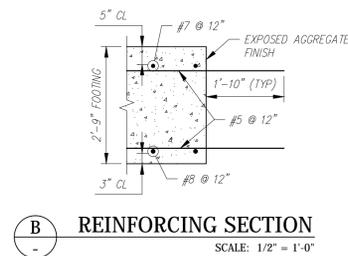
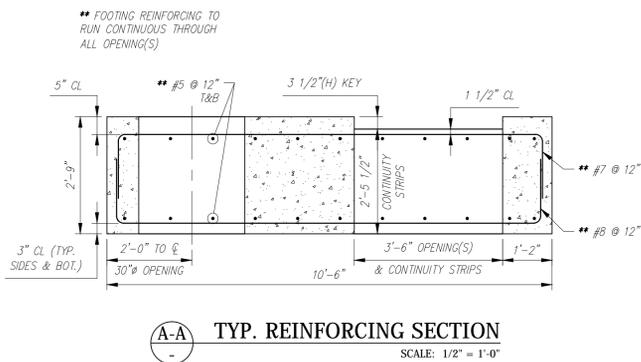
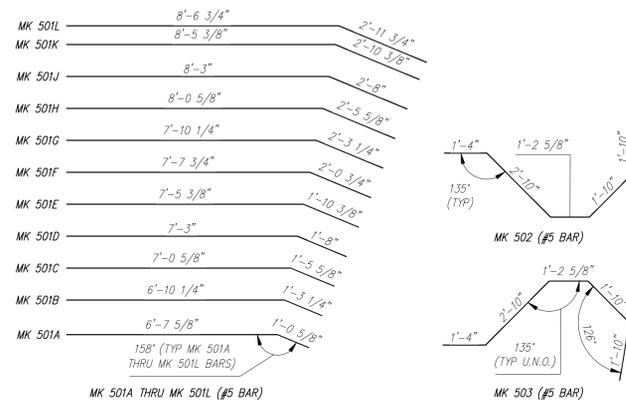
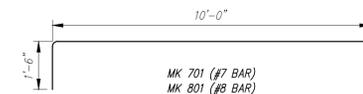
APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	
REVISE AND RESUBMIT	X
NOT REVIEWED	
Date:	4/12/16
By:	<i>[Signature]</i>
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and controlled at the job site, for information that pertains solely to the fabrication processes or to techniques of construction and installation and for coordination of the work of all subcontractors.</small>	



NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



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RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

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APPROVED AS NOTED	
REVISE AND RESUBMIT	X
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PIECE QUANTITY: 1 EACH
 WEIGHT: 11.18 TONS

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.

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Rev.	Date	DESCRIPTION	By
		REVISIONS	

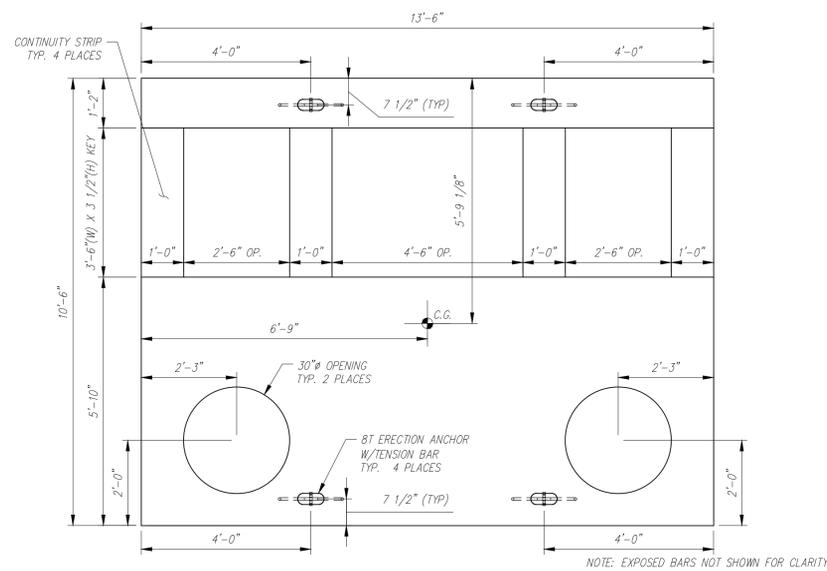
This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

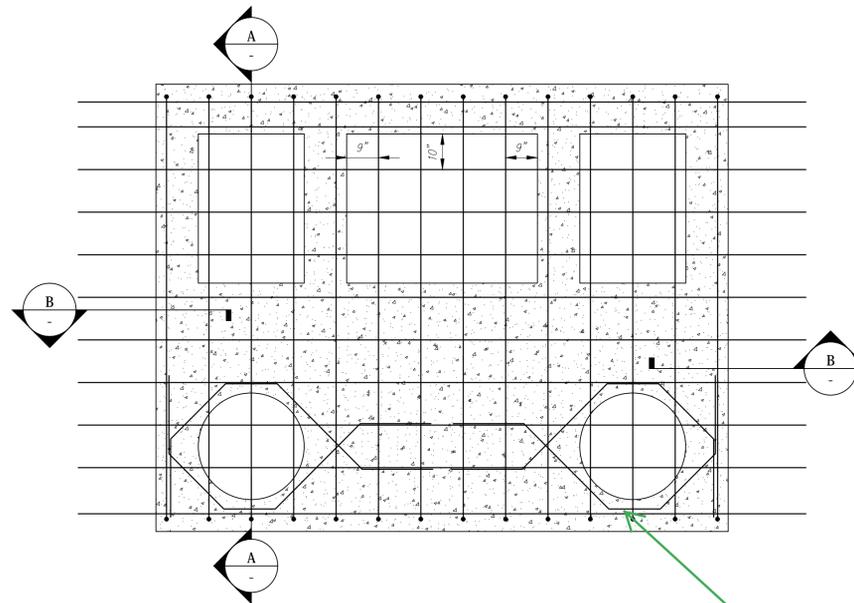
STATE AGENCY
 VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: A. KOSTENKO
 Date: 04/04/2016

VTAOT PROJ. NO.: BRF 0151(21)
 MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT
 SHOP DRAWING - F1
 Drawing No. R-S22624-F1
 Quantity: 1 Project No: SHEET F1 OF

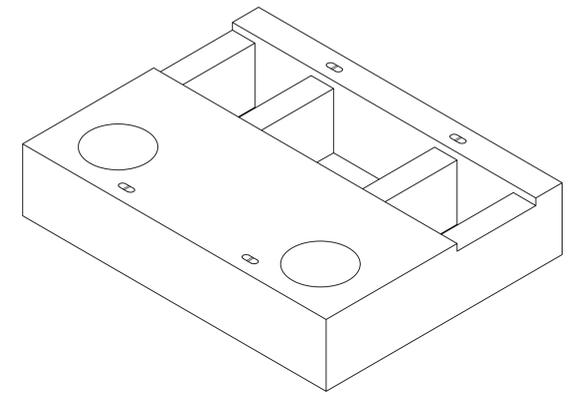
- NOTES:
 1. ALL REINFORCING TO BE LEVEL I, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



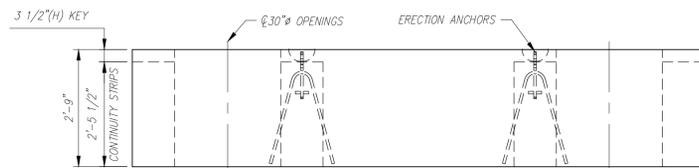
PLAN VIEW
 SCALE: 1/2" = 1'-0"



REINFORCING PLAN
 SCALE: 1/2" = 1'-0"

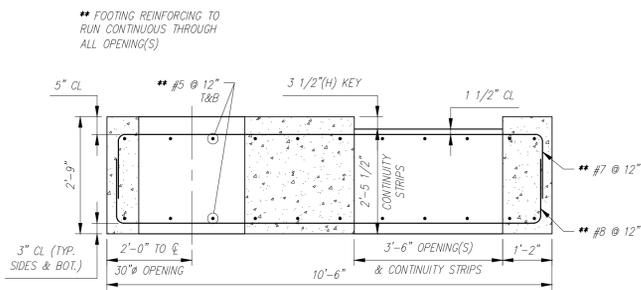


NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

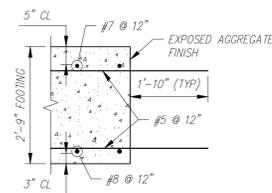


FRONT ELEVATION
 SCALE: 1/2" = 1'-0"

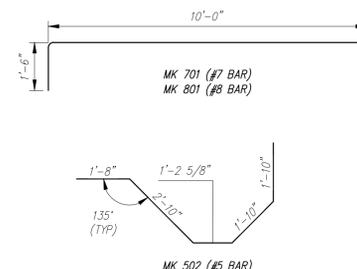
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
 SCALE: 3/8" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFIRMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not release the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>[Signature]</i>



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Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:

Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS

Specifications:

Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone: 603-889-4163
 Fax: 603-889-2417

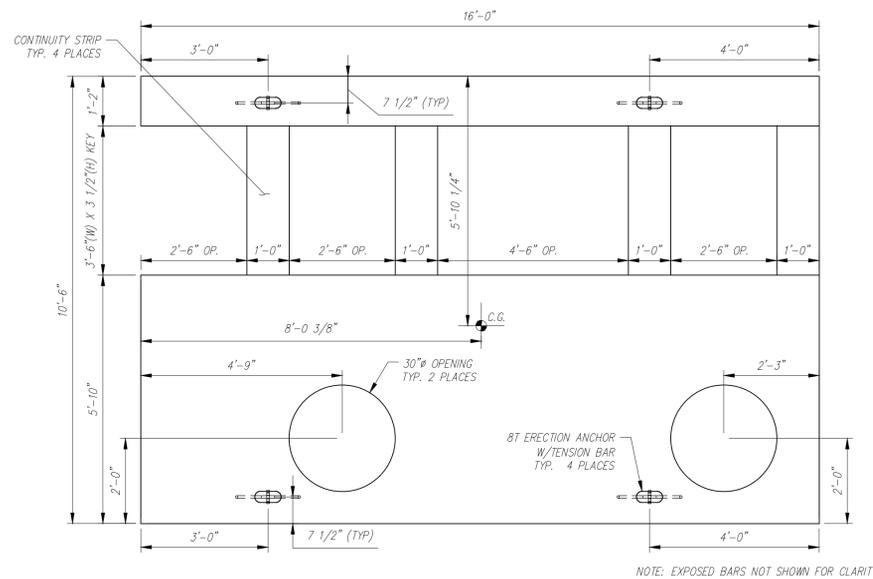
STATE AGENCY	
VTrans	<small>Working Together for the People</small>
Drawn By A. KOSTENKO	Date 04/04/2016
Reviewed By	Date
Approved By	Date

PIECE QUANTITY: 1 EACH
 WEIGHT: 20.05 TONS

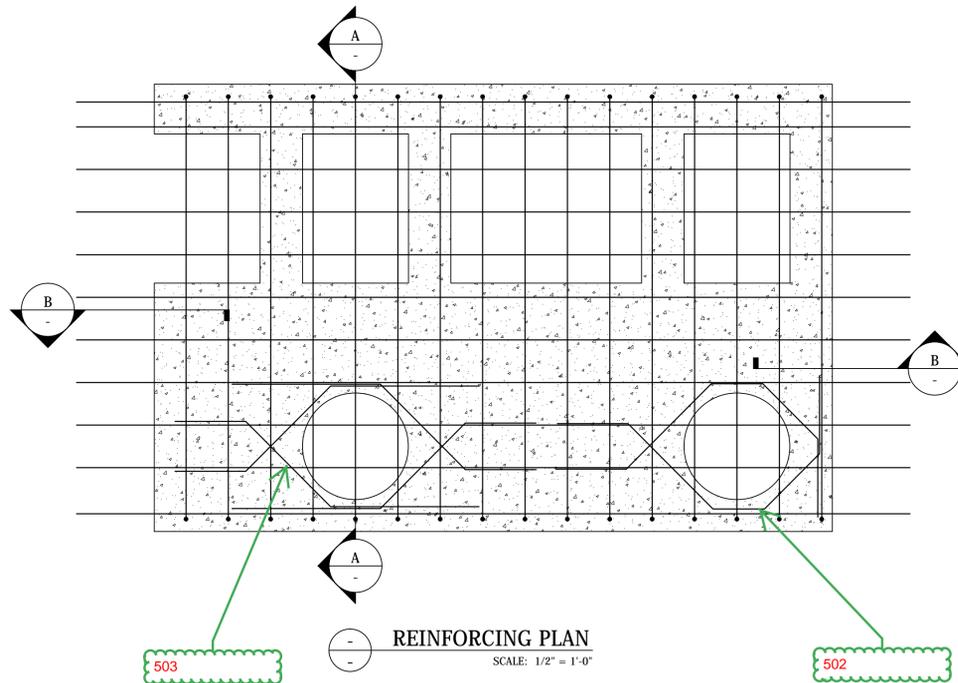
VTAOT PROJ. NO.: BRF 0151(21)	
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT	
D	SHOP DRAWING - F2
Drawing No.	R-S22624-F2
Quantity: 1	Project No:
	SHEET F2 OF

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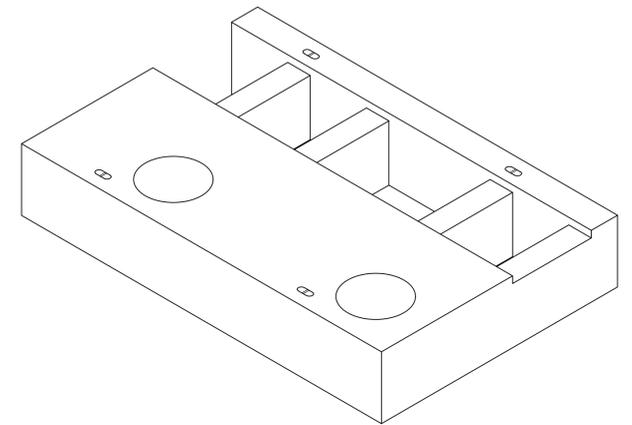
- NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



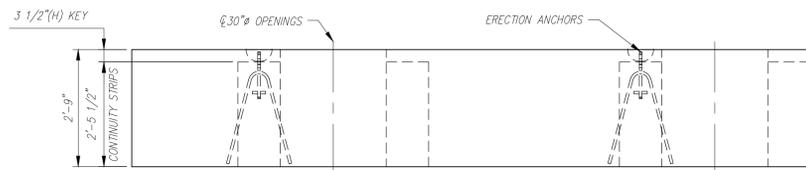
PLAN VIEW
SCALE: 1/2" = 1'-0"



REINFORCING PLAN
SCALE: 1/2" = 1'-0"

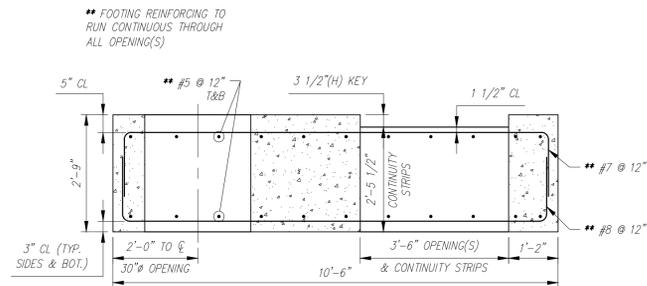


NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

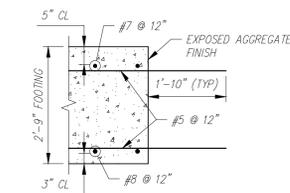


FRONT ELEVATION
SCALE: 1/2" = 1'-0"

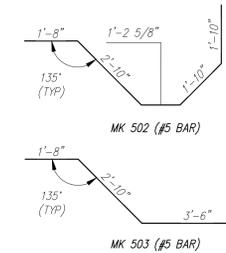
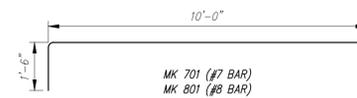
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
SCALE: 3/8" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: **April 13, 2016**
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	X	Stantec
APPROVED AS NOTED		
REVISE AND RESUBMIT		
NOT REVIEWED		
Date: _____		
By: <i>John E. Poirer</i>		
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining concurrence with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting, some, and each review shall not relieve the Contractor of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and coordinated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all subcontractors.</small>		

PIECE QUANTITY: 1 EACH
 WEIGHT: 23.66 TONS

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Rev.	Date	DESCRIPTION	By
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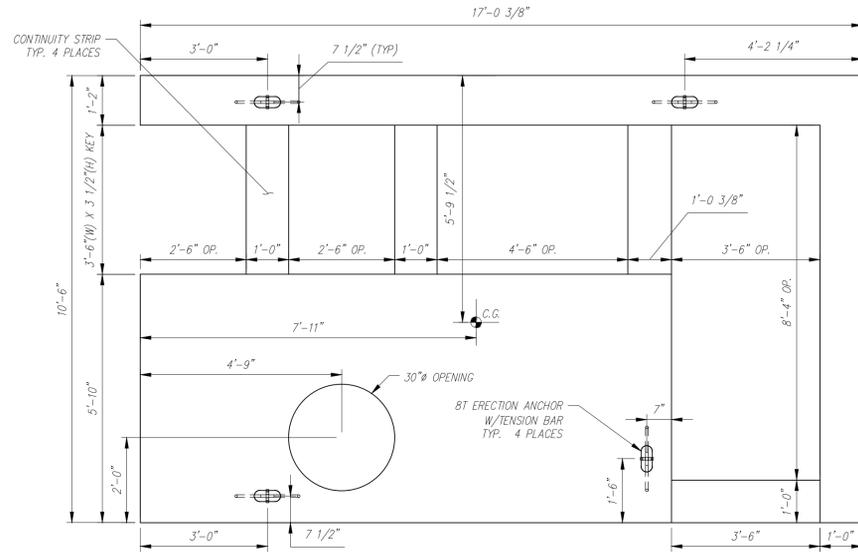
This drawing is based upon information provided from the following documents and/or sources:
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 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY
VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: _____
 Approved By: _____
 Date: 04/04/2016

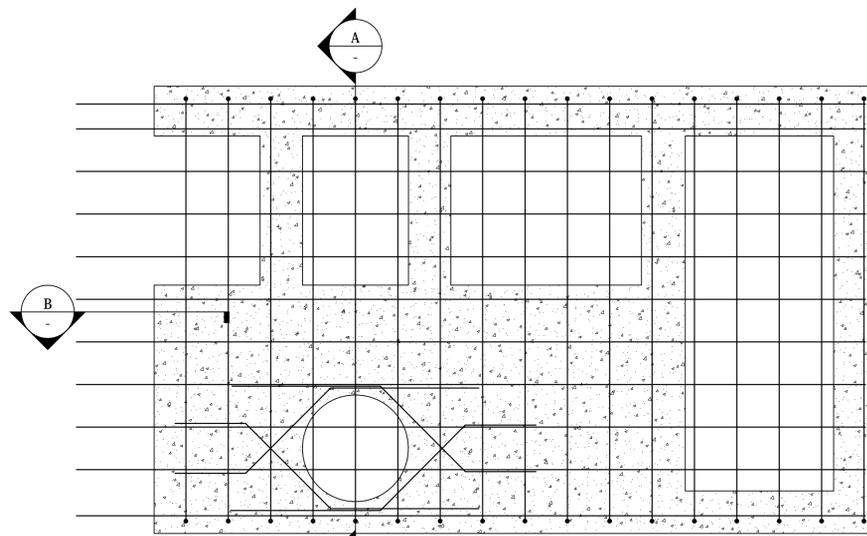
VTAOT PROJ. NO.: BRF 0151(21)
 MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT
 SHOP DRAWING - F3
 Drawing No. R-S22624-F3
 Quantity: 1 Project No: SHEET F3 OF 0

- NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS

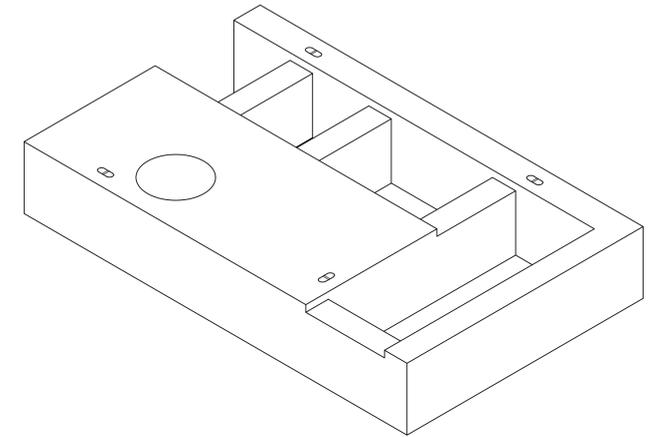


NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

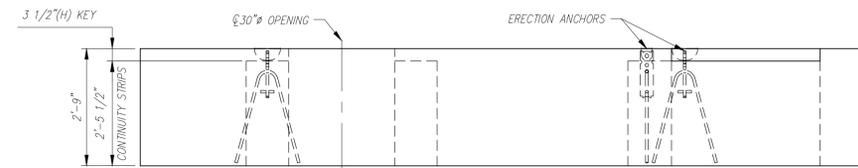
PLAN VIEW
SCALE: 1/2" = 1'-0"



REINFORCING PLAN
SCALE: 1/2" = 1'-0"

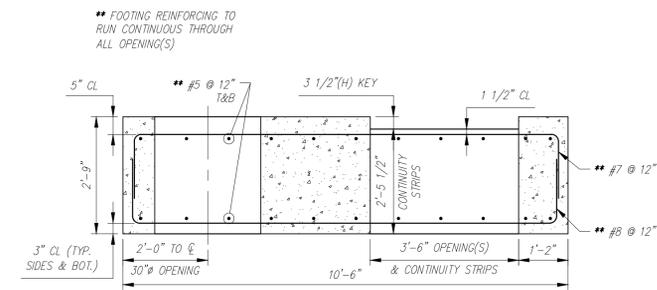


NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

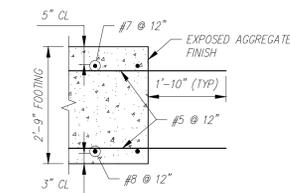


NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

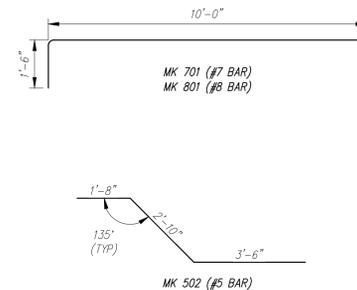
FRONT ELEVATION
SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
SCALE: 3/8" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and its provisions indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>John E. Kille</i>
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of accelerating compliance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. prepares the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and such review shall not release the Contractor of this responsibility for errors or omissions in the shop drawing or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be outlined and correlated at the job site, for information that pertains solely to the fabrication, erection or techniques of construction and installation and for coordination of the work of all subcontractors.</small>	



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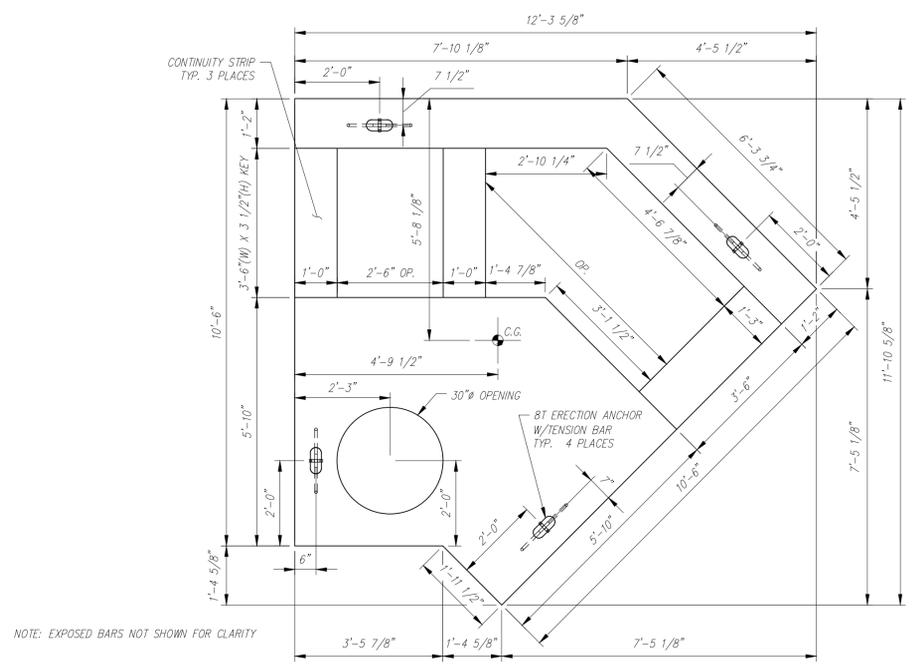
This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY	
VTrans	<small>Working Together for the Future</small>
Drawn By: A. KOSTENKO	Date: 04/04/2016
Reviewed By:	Date:
Approved By:	Date:

VTAOT PROJ. NO.: BRF 0151(21)	
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT	
SHOP DRAWING -- F4	
Drawing No. R-S22624-F4	REV 0
Quantity: 1	Project No: SHEET F4 OF

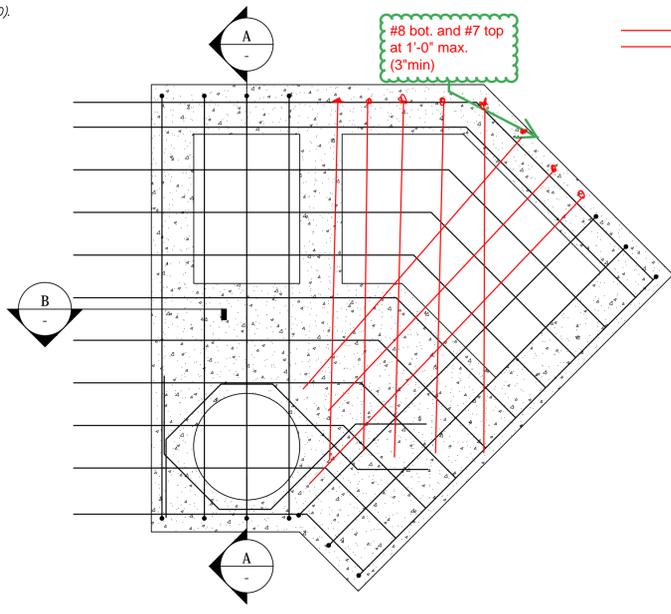
PIECE QUANTITY: 1 EACH
 WEIGHT: 22.69 TONS



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

NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

- NOTES:
 1. ALL REINFORCING TO BE LEVEL I, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



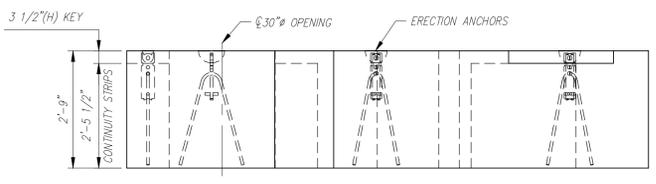
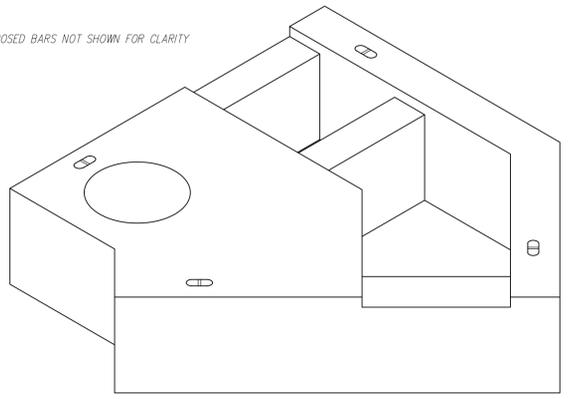
REINFORCING PLAN
SCALE: 1/2" = 1'-0"

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	Stantec
APPROVED AS NOTED	
REVISION AND RESUBMIT	X
NOT REVIEWED	
Date:	4/12/16
By:	<i>John E. K...</i>

This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining concurrence with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawing or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all subcontractors.

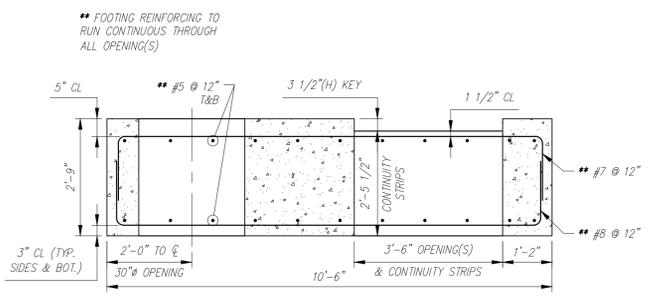
Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

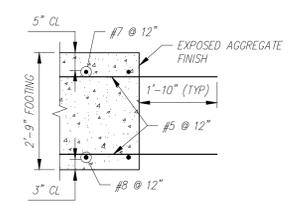


FRONT ELEVATION
SCALE: 1/2" = 1'-0"

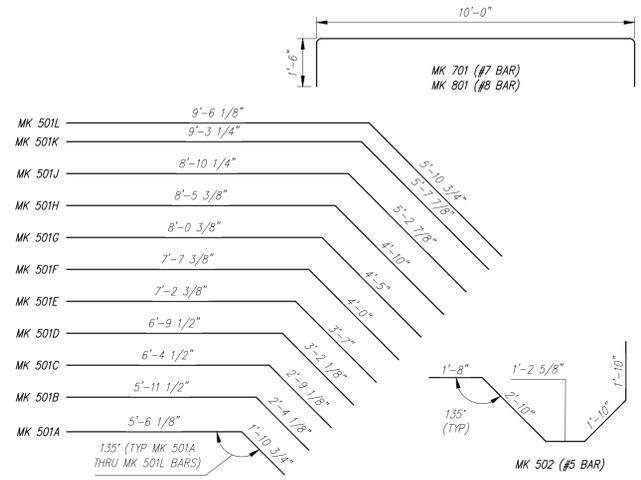
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
SCALE: 3/8" = 1'-0"

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Rev.	Date	DESCRIPTION	By
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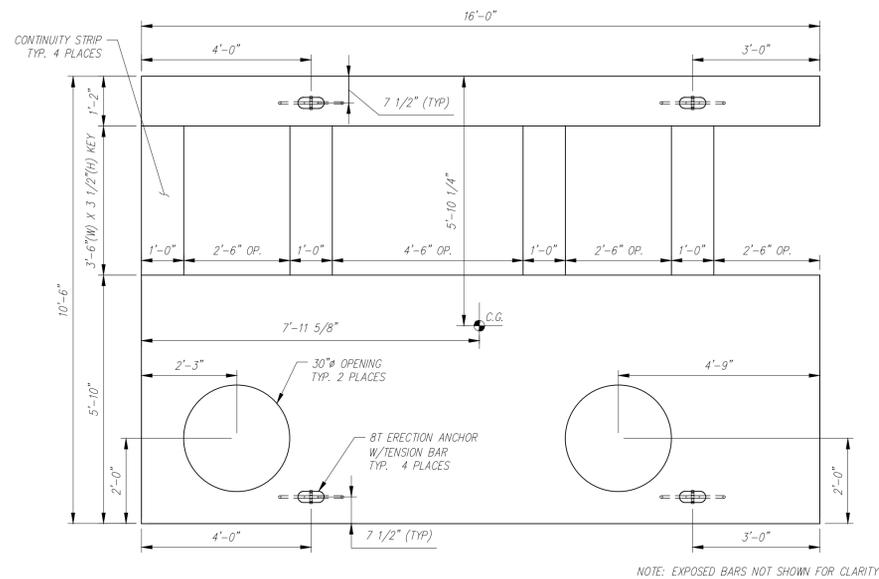
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 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

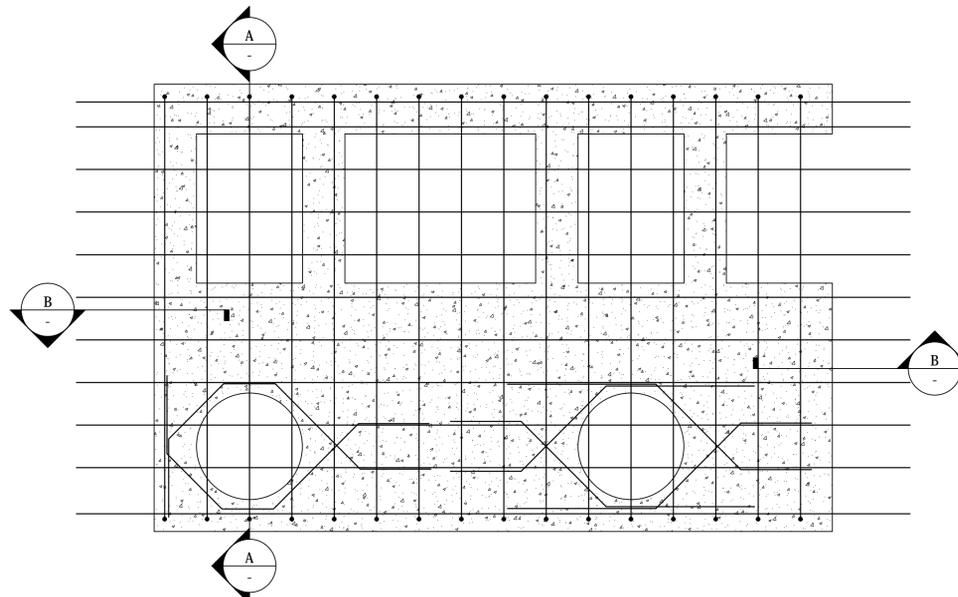
STATE AGENCY
VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: A. KOSTENKO
 Date: 04/04/2016

PIECE QUANTITY: 1 EACH		WEIGHT: 13.84 TONS	
VTAOT PROJ. NO.: BRF 0151(21)			
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT			
D	SHOP DRAWING - F5		REV 0
	Drawing No. R-S22624-F5		
Quantity: 1	Project No:	SHEET F5 OF	

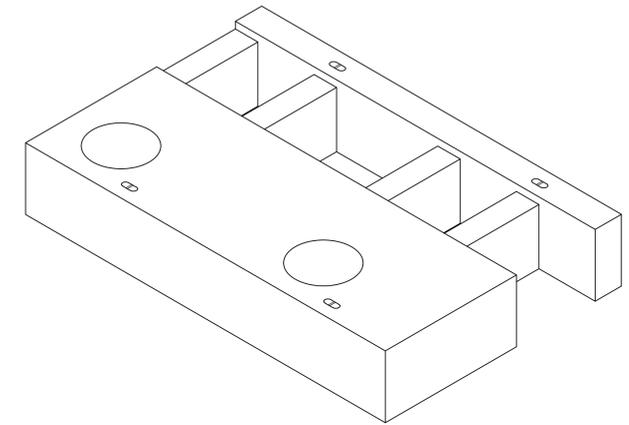
- NOTES:
 1. ALL REINFORCING TO BE LEVEL I, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



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



REINFORCING PLAN
 SCALE: 1/2" = 1'-0"

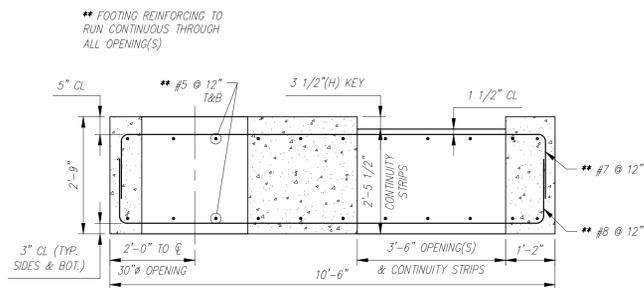


NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY

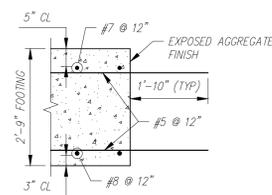


FRONT ELEVATION
 SCALE: 1/2" = 1'-0"

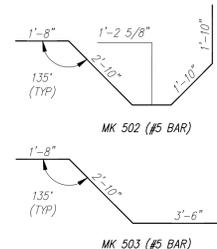
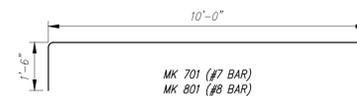
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
 SCALE: 3/8" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	X	
APPROVED AS NOTED		
REVISE AND RESUBMIT		
NOT REVIEWED		
Date:		
By: <i>[Signature]</i>		

PIECE QUANTITY: 1 EACH
 WEIGHT: 23.66 TONS

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Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:

Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS

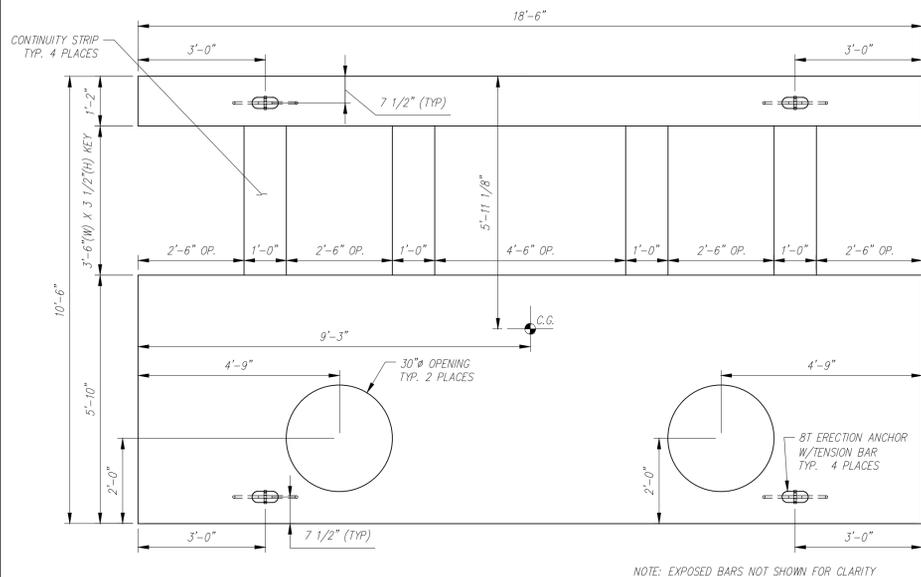
Specifications:

Other Sources:

Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

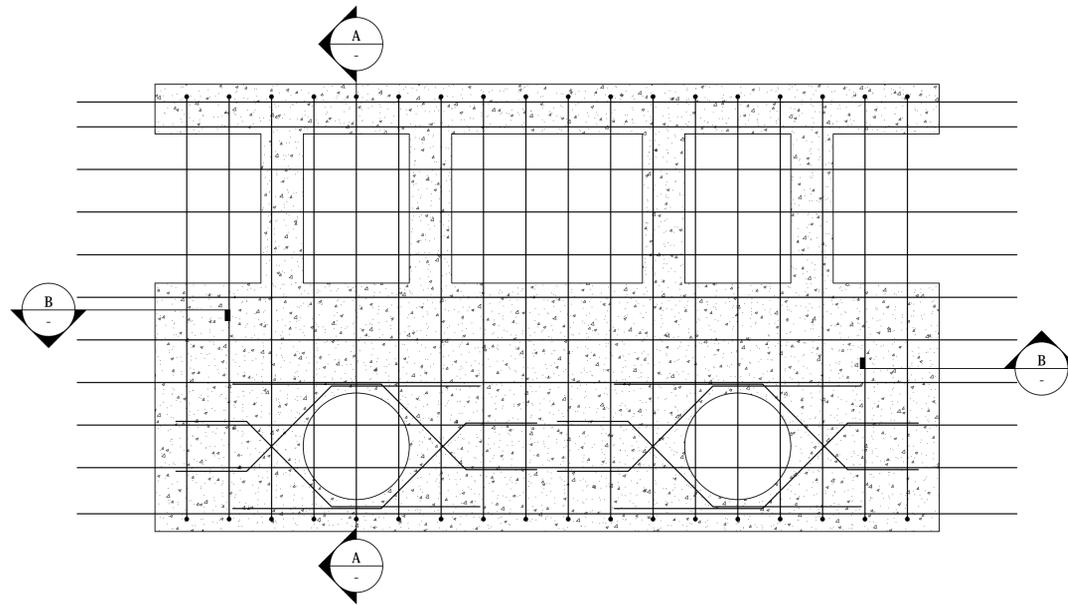
STATE AGENCY	
	<small>Working Together for the People</small>
Drawn By A. KOSTENKO	Date 04/04/2016
Reviewed By	Date
Approved By	Date

VTAOT PROJ. NO.: BRF 0151(21)	
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT	
SHOP DRAWING - F6	
Drawing No. R-S22624-F6	REV 0
Quantity: 1	Project No:
SHEET F6 OF	

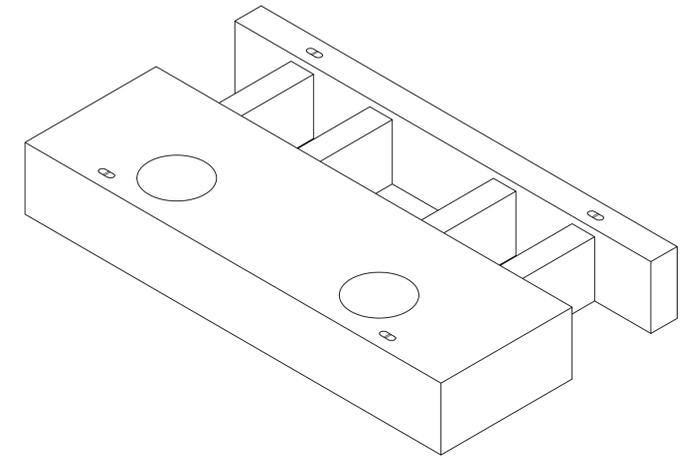


PLAN VIEW
SCALE: 1/2" = 1'-0"

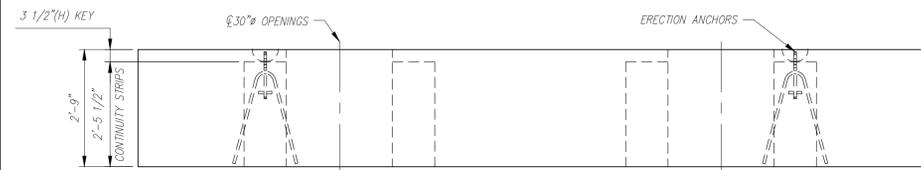
NOTES:
1. ALL REINFORCING TO BE LEVEL I, BLACK (UNCOATED).
2. COVER TO REINFORCING: SEE DETAILS



REINFORCING PLAN
SCALE: 1/2" = 1'-0"



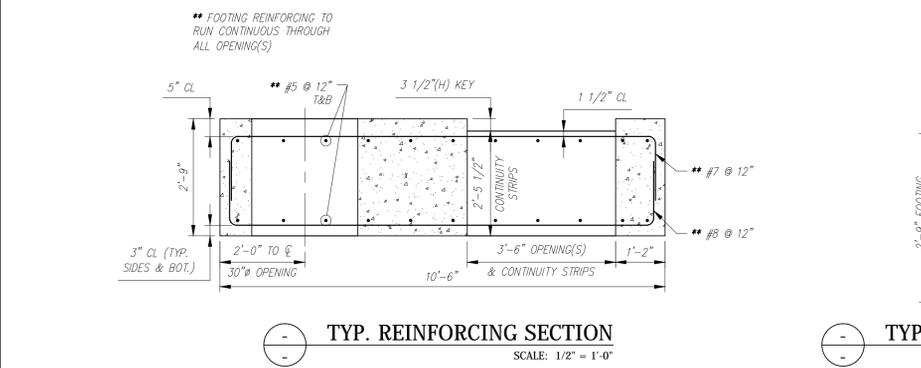
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



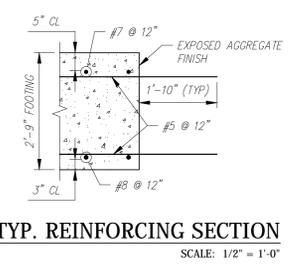
FRONT ELEVATION
SCALE: 1/2" = 1'-0"

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	
REVISION AND RESUBMIT	X
NOT REVIEWED	
Date:	
By:	
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining concurrence with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings. Responsibility for which shall remain with the Contractor. Submitting same, and each review shall not relieve the Contractor of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be verified and correlated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all subcontractors.</small>	

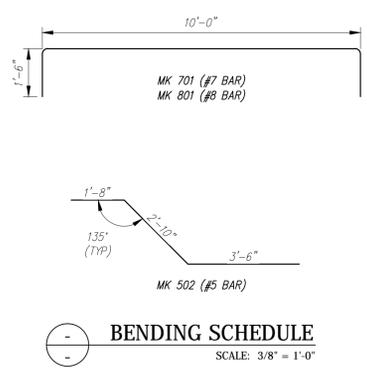
Vermont Agency of Transportation
RECEIVED
ON: April 13, 2016
and Checked for
CONFORMANCE
BY: Rob Young DATE: 04/13/2016



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
SCALE: 3/8" = 1'-0"

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Rev.	Date	DESCRIPTION	By
		REVISIONS	

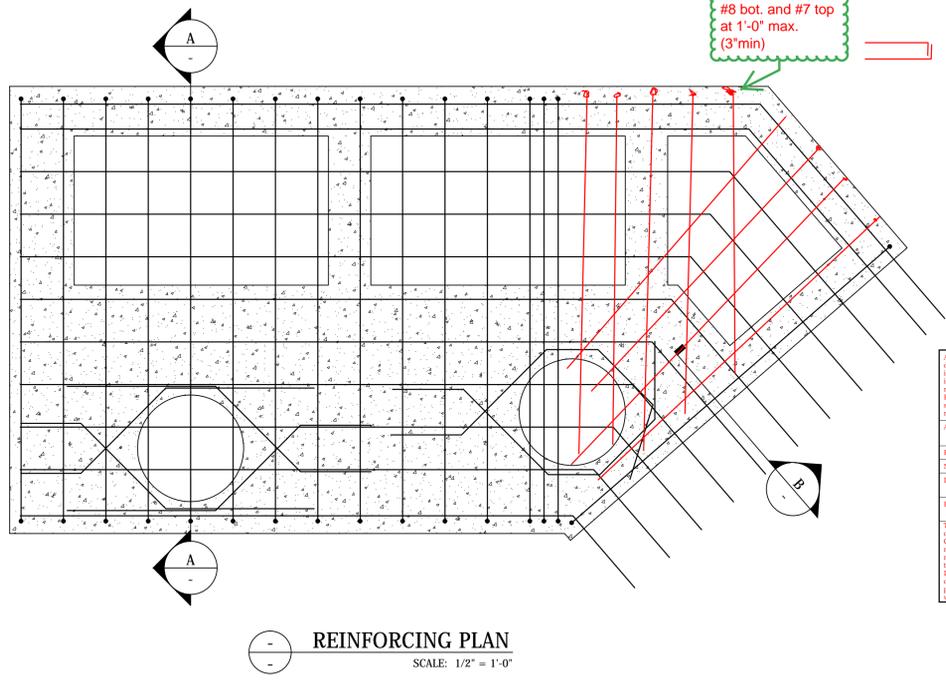
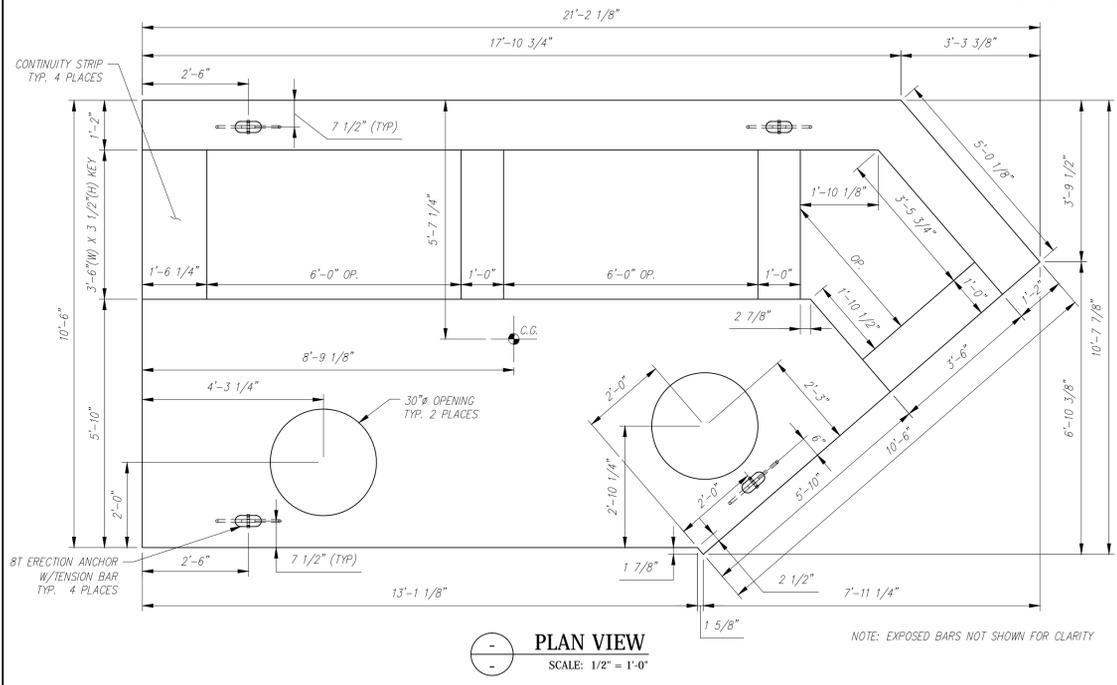
This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY
 VTrans
Drawn By: A. KOSTENKO
Reviewed By:
Approved By:
Date: 04/04/2016

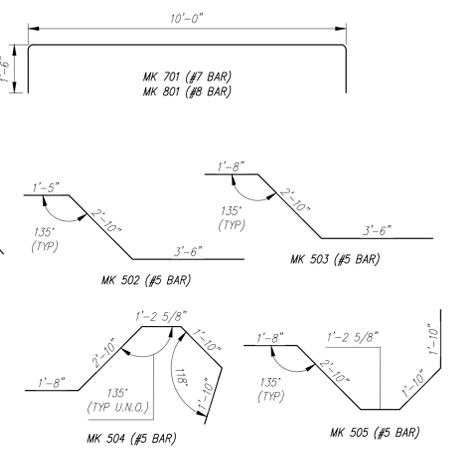
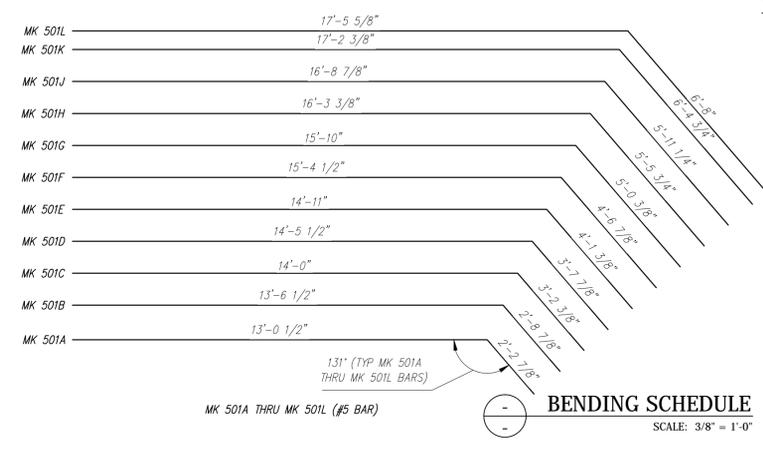
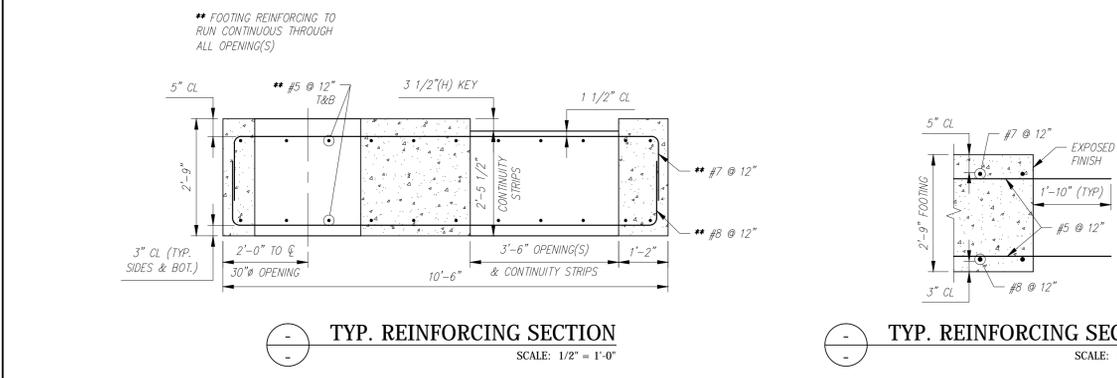
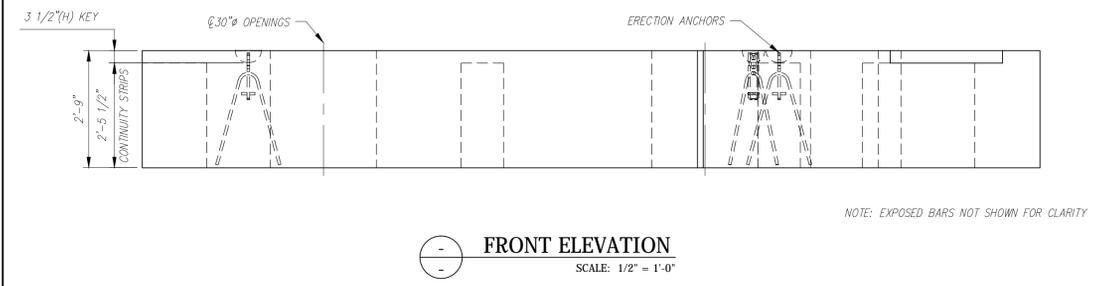
PIECE QUANTITY: 1 EACH		WEIGHT: 27.27 TONS	
VTAOT PROJ. NO.: BRF 0151(21)			
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT			
Drawing No. SHOP DRAWING - F7		REV 0	
Drawing No. R-S22624-F7		Quantity: 1 Project No: SHEET F7 OF	

NOTES:
 1. ALL REINFORCING TO BE LEVEL I, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	4/12/16
By:	

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016



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Rev.	Date	DESCRIPTION	By	
		REVISIONS		

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

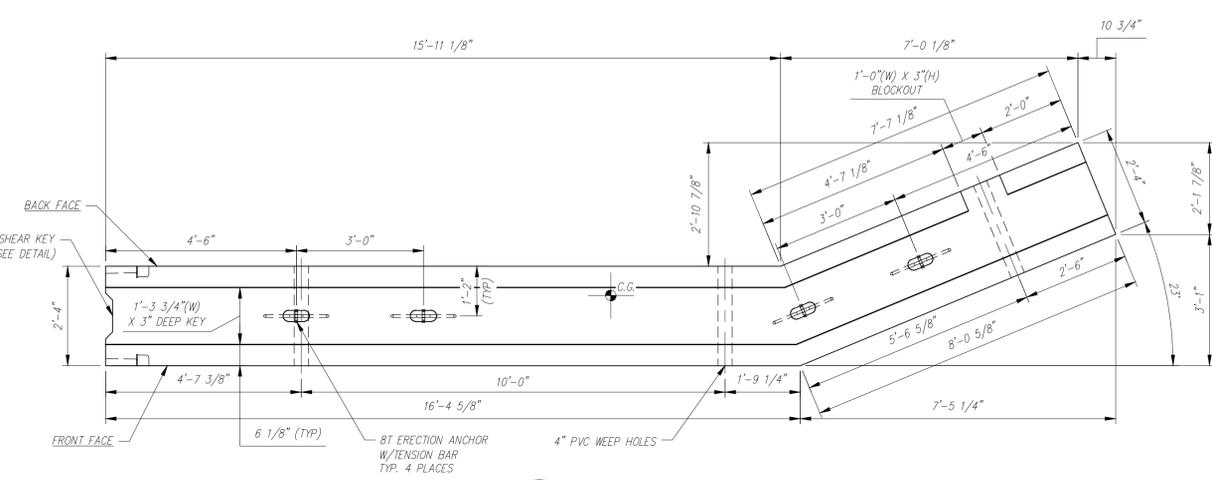
Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY

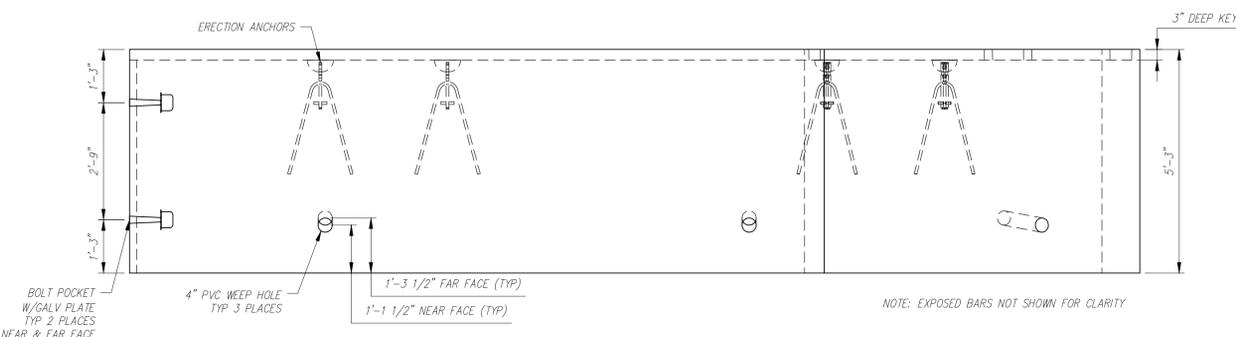
 Drawn By: A. KOSTENKO
 Reviewed By: Date: 04/04/2016
 Approved By: Date:

PIECE QUANTITY: 1 EACH
 WEIGHT: 25.49 TONS

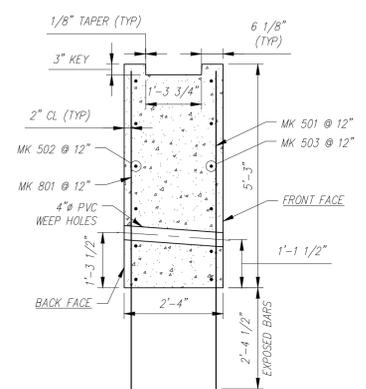
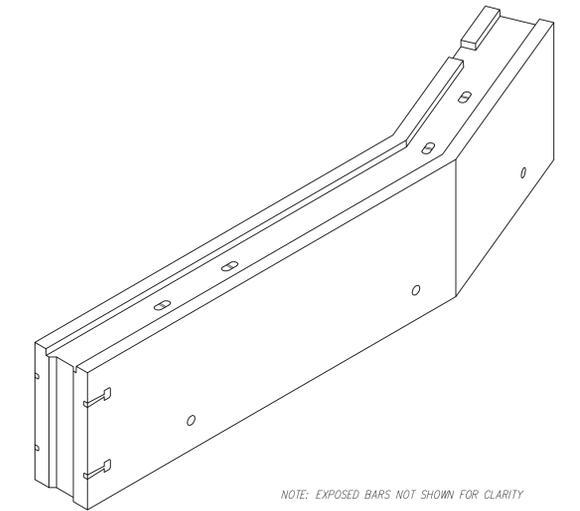
VTAOT PROJ. NO.: BRF 0151(21)	
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT	
D	SHOP DRAWING - F8
Drawing No.	R-S22624-F8
Quantity: 1	Project No:
SHEET F8 OF	



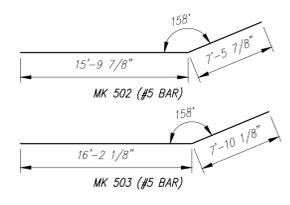
PLAN VIEW
SCALE: 1/2" = 1'-0"



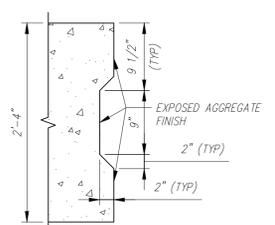
FRONT FACE ELEVATION
SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
SCALE: 1/8" = 1'-0"



TYP. SHEAR KEY DETAIL (PLAN)
SCALE: 1" = 1'-0"

NOTES:
1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
2. COVER TO REINFORCING: SEE DETAILS

Vermont Agency of Transportation
RECEIVED
ON: April 13, 2016
and Checked for
CONFORMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	X	
REVISE AND RESUBMIT		
NOT REVIEWED		
Date: _____		
By:		
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Rev.	Date	DESCRIPTION	By	
REVISIONS				

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY
VTrans
Drawn By: A. KOSTENKO
Reviewed By: _____
Date: 04/04/2016

PIECE QUANTITY: 1 EACH
WEIGHT: 21.31 TONS

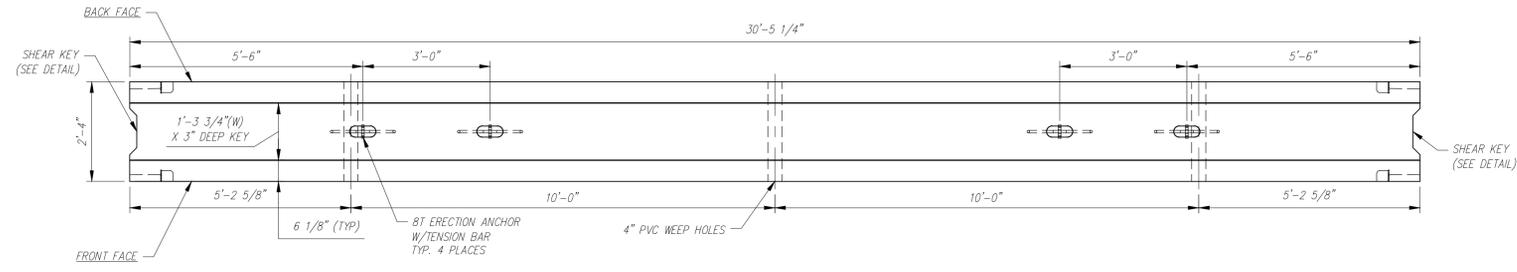
VTAOT PROJ. NO.: BRF 0151(21)

MILLER CONSTRUCTION, INC.
ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
WOODSTOCK, VT

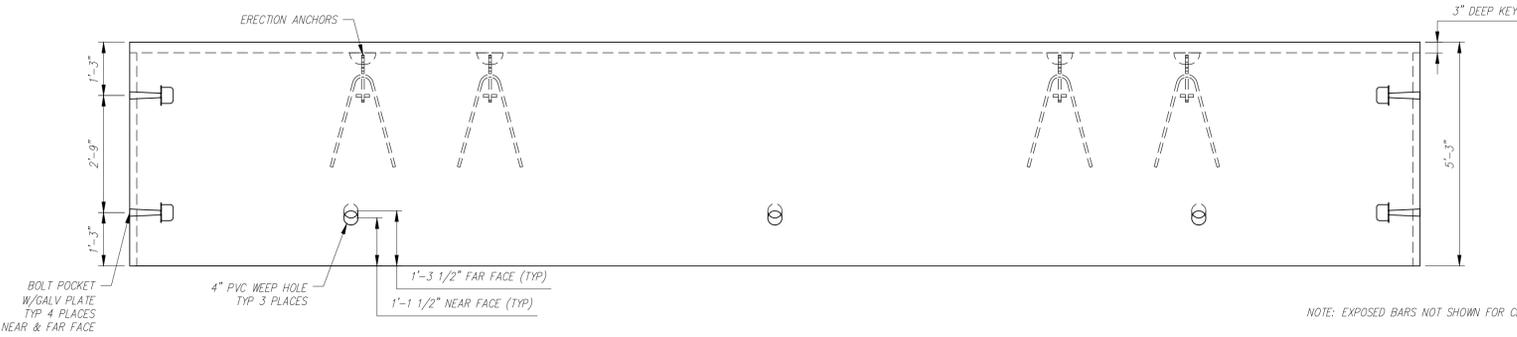
SHOP DRAWING - P1
Drawing No. R-S22624-P1

Quantity: 1 Project No: SHEET P1 OF 0

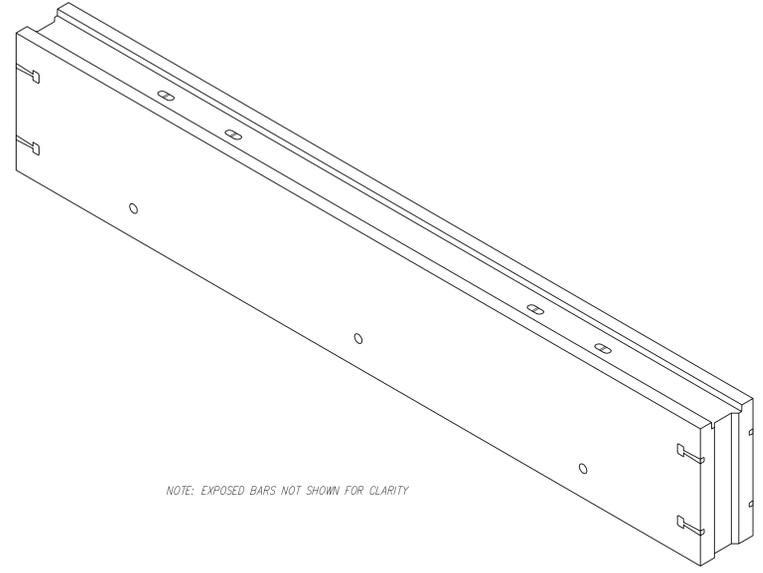
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



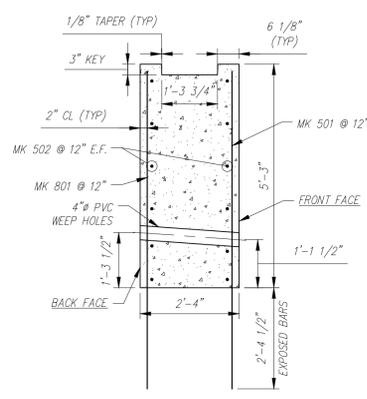
PLAN VIEW
 SCALE: 1/2" = 1'-0"



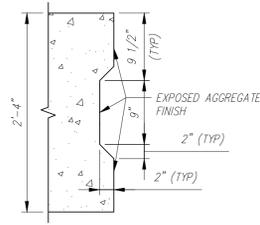
FRONT FACE ELEVATION
 SCALE: 1/2" = 1'-0"



NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



TYP. SHEAR KEY DETAIL (PLAN)
 SCALE: 1" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawing and/or procedure indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
By: <i>[Signature]</i>	
This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings. Responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dissemination to be confirmed and coordinated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all subcontractors.	



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Rev.	Date	DESCRIPTION REVISIONS	By

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone: 603-889-4163
 Fax: 603-889-2417

STATE AGENCY	
Drawn By: A. KOSTENKO	Date: 04/04/2016
Reviewed By:	Date:
Approved By:	Date:

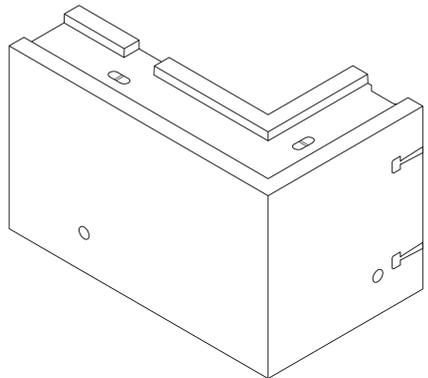
VTAOT PROJ. NO.: BRF 0151(21)
 MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

SHOP DRAWING - P2
 Drawing No. R-S22624-P2

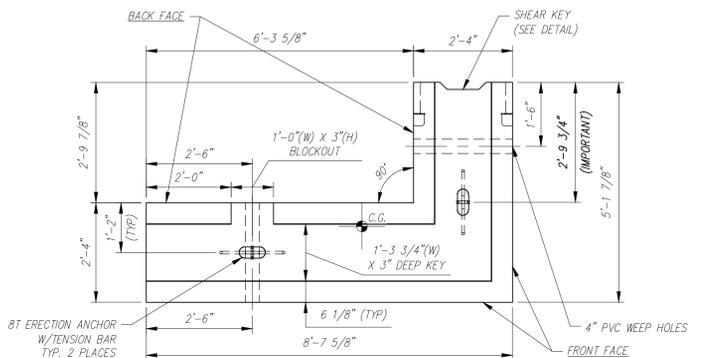
Quantity: 1 Project No: SHEET P2 OF 0

PIECE QUANTITY: 2 EACH
 WEIGHT: 27.04 TONS

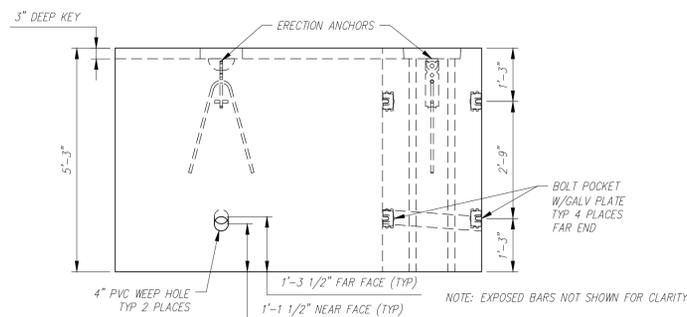
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



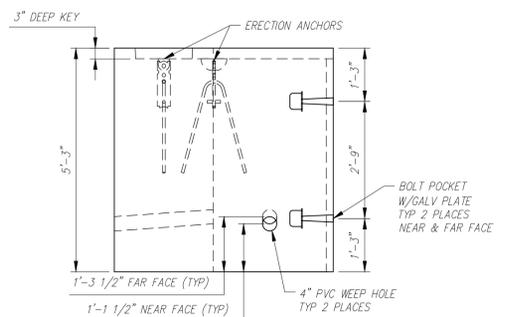
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



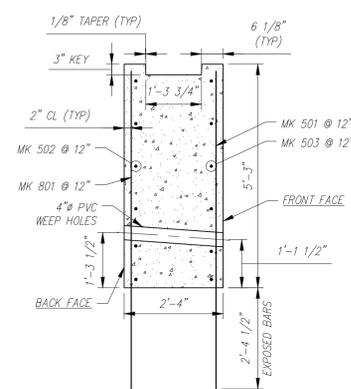
PLAN VIEW
 SCALE: 1/2" = 1'-0"



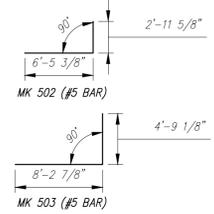
FRONT FACE ELEVATION
 SCALE: 1/2" = 1'-0"



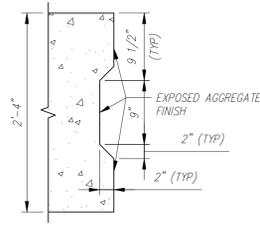
RIGHT SIDE ELEVATION
 SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
 SCALE: 1/8" = 1'-0"



TYP. SHEAR KEY DETAIL (PLAN)
 SCALE: 1" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawing and/or procedure indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	X	
APPROVED AS NOTED		
REVISE AND RESUBMIT		
NOT REVIEWED		
Date: _____		
By:		
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Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY

 Drawn By: A. KOSTENKO
 Reviewed By: _____
 Approved By: _____
 Date: 04/04/2016

PIECE QUANTITY: 1 EACH
 WEIGHT: 10.15 TONS

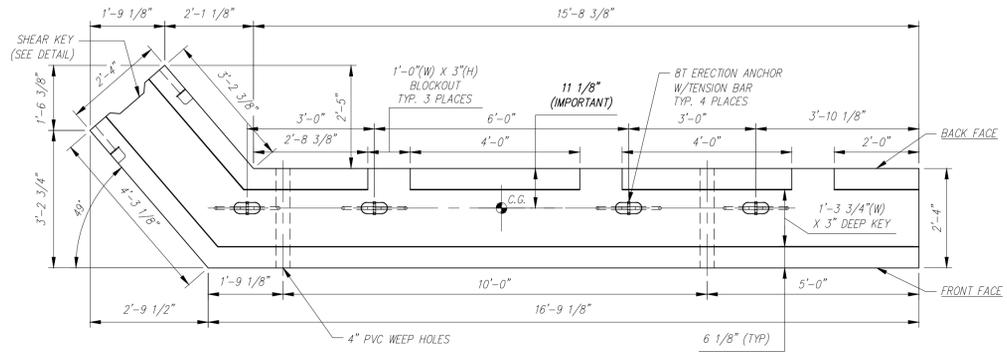
VTAOT PROJ. NO.: BRF 0151(21)

MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

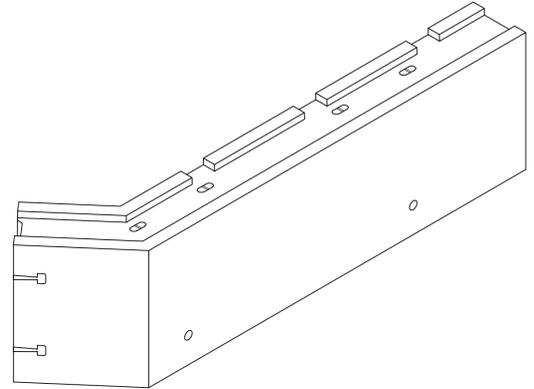
SHOP DRAWING - P3
 Drawing No. R-S22624-P3

Quantity: 1 Project No: SHEET P3 OF

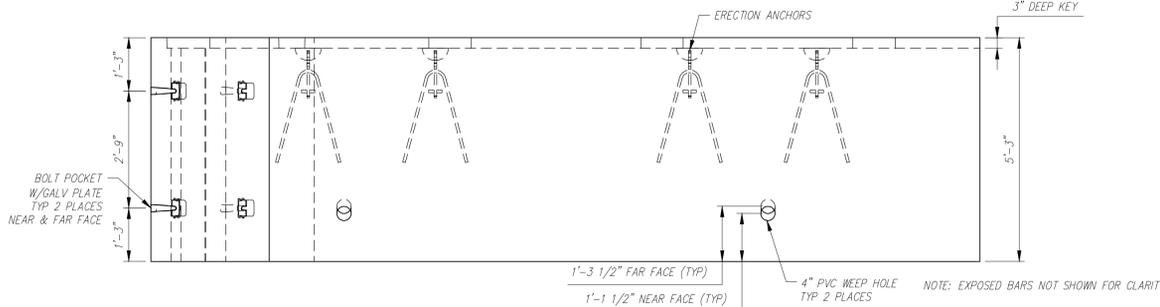
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, BLACK (UNCOATED).
 2. COVER TO REINFORCING: SEE DETAILS



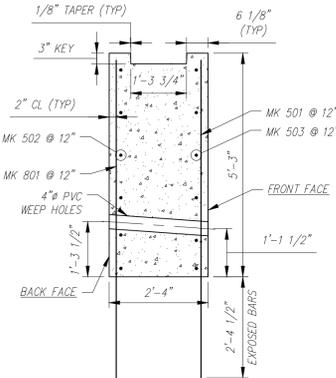
PLAN VIEW
 SCALE: 1/2" = 1'-0"



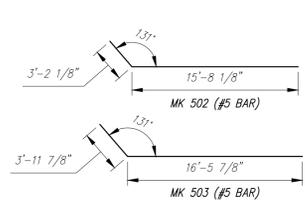
NOTE: EXPOSED BARS NOT SHOWN FOR CLARITY



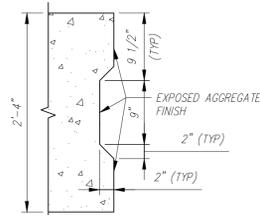
FRONT FACE ELEVATION
 SCALE: 1/2" = 1'-0"



TYP. REINFORCING SECTION
 SCALE: 1/2" = 1'-0"



BENDING SCHEDULE
 SCALE: 1/8" = 1'-0"



TYP. SHEAR KEY DETAIL (PLAN)
 SCALE: 1" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

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APPROVED AS NOTED	
REVISION AND RESUBMIT	
NOT REVIEWED	
Date:	
By: <i>[Signature]</i>	
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Rev.	Date	DESCRIPTION	By
REVISIONS			

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY

 Drawn By: A. KOSTENKO
 Reviewed By:
 Approved By:
 Date: 04/04/2016

PIECE QUANTITY: 1 EACH
 WEIGHT: 17.72 TONS

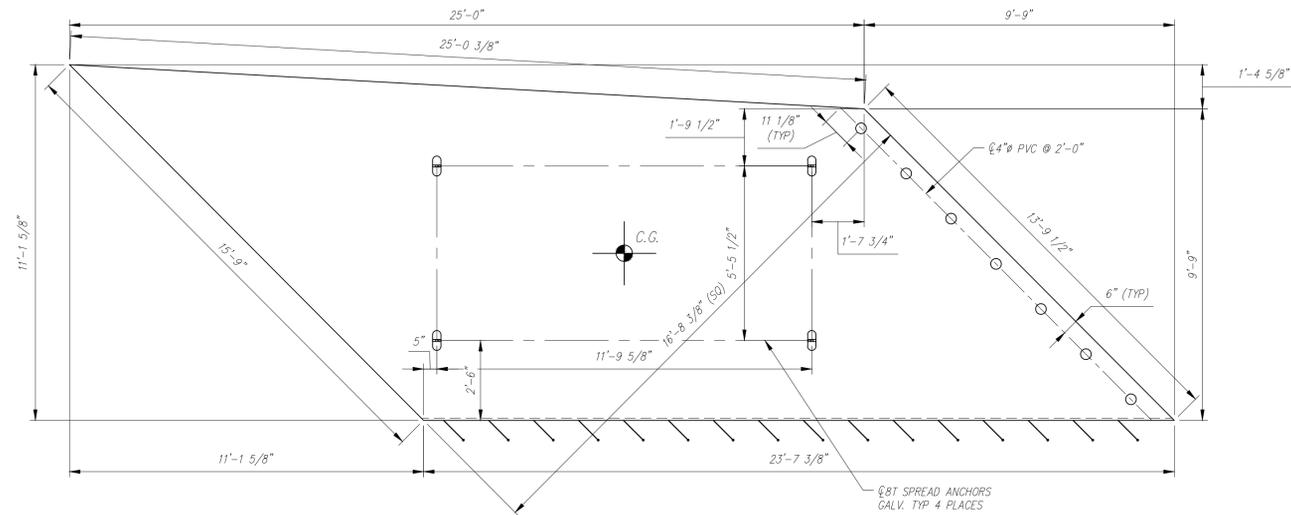
VTAOT PROJ. NO.: BRF 0151(21)

MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

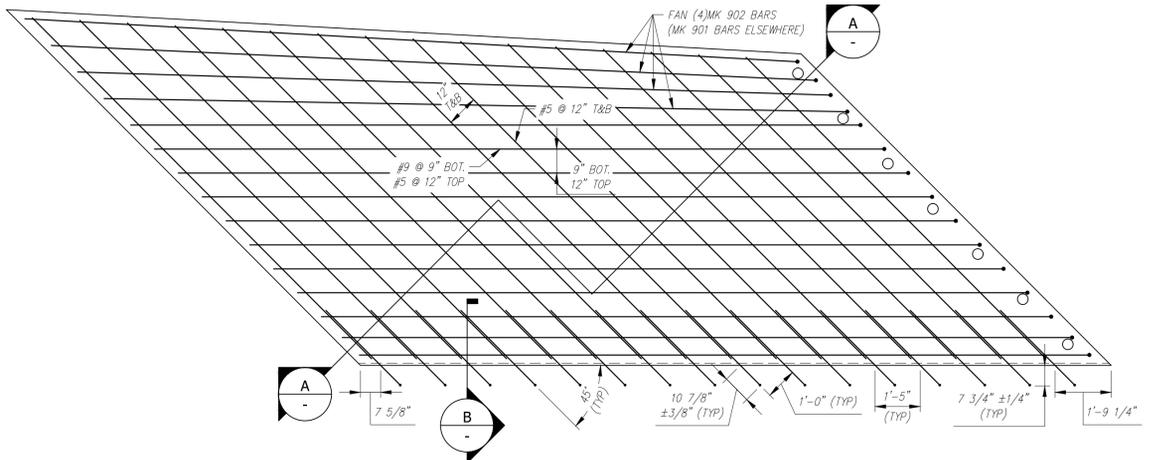
SHOP DRAWING - P5
 Drawing No. R-S22624-P5

Quantity: 1 Project No: SHEET P5 OF

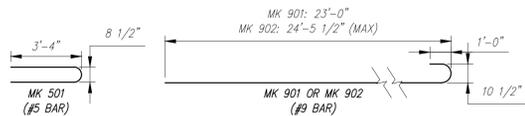
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, EPOXY COATED.
 2. COVER TO REINFORCING: SEE DETAILS.



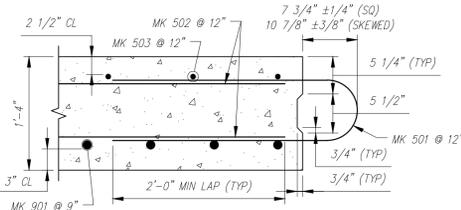
PLAN VIEW
 SCALE: 3/8" = 1'-0"



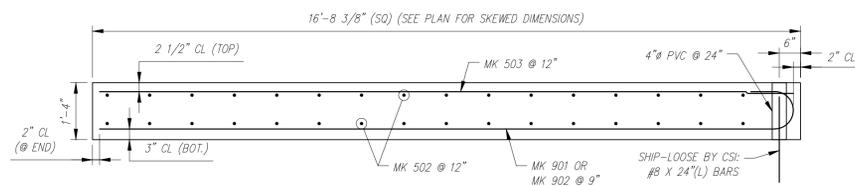
REINFORCING PLAN
 SCALE: 3/8" = 1'-0"



BENDING SCHEDULE
 SCALE: 1/4" = 1'-0"



SECTION B
 SCALE: 1" = 1'-0"



TYPICAL REINFORCING SECTION A-A
 SCALE: 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or specifications indicates concurrence with the information presented and does not relieve the Contractor of Fabricator of compliance with all specifications and code requirements.	
REVISION AND RESUBMIT	
DATE REVIEWED	
DATE	
By: <i>J. E. Hill</i>	
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design. Inherent in the shop drawings responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and controlled at the job site, for information that pertains solely to the fabrication processes or to techniques of construction and installation and for coordination of the work of all submittals.</small>	



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Rev.	Date	DESCRIPTION	By	
REVISIONS				

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 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
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 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY	
Drawn By: A. KOSTENKO	Date: 04/04/2016
Reviewed By:	Date:
Approved By:	Date:

PIECE QUANTITY: 1 EACH
 WEIGHT: 24.67 TONS

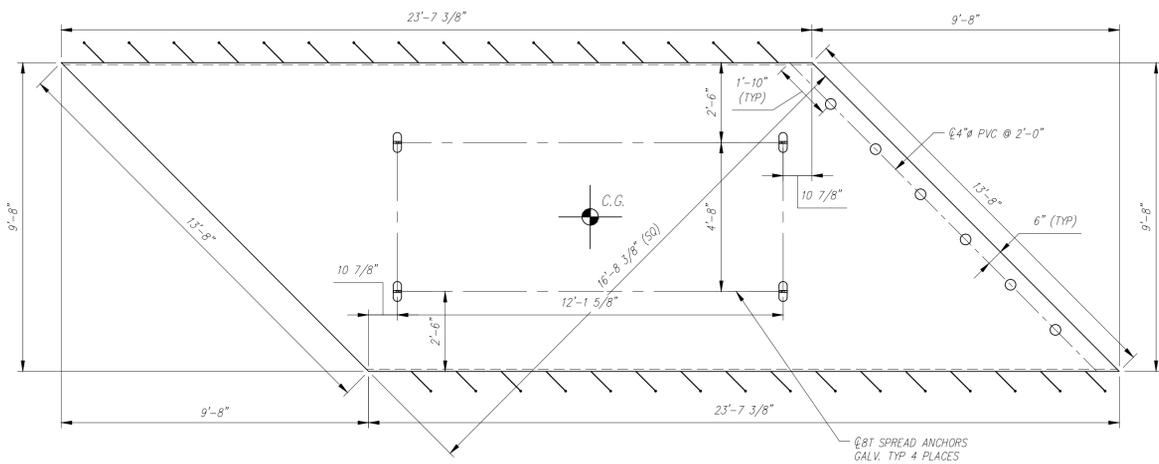
VTAOT PROJ. NO.: BRF 0151(21)

MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

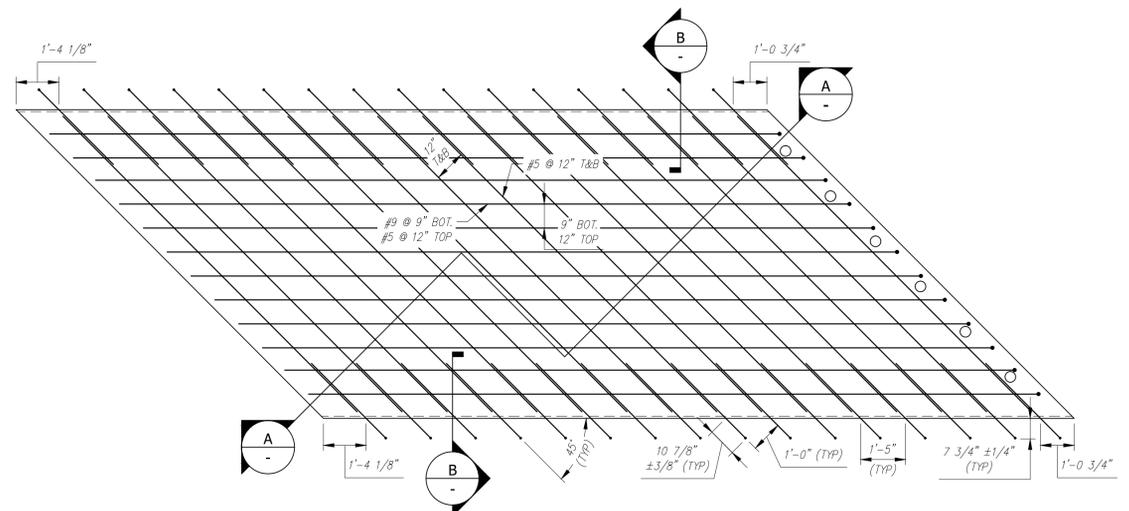
SHOP DRAWING - AS1
 Drawing No. R-S22624-AS1

Quantity: Project No: SHEET AS1 OF 0

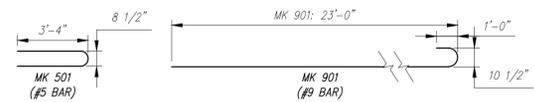
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, EPOXY COATED.
 2. COVER TO REINFORCING: SEE DETAILS.



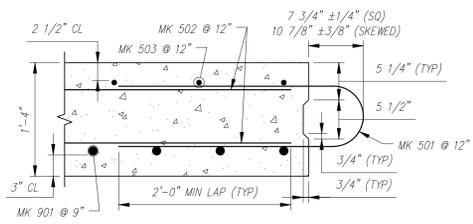
PLAN VIEW
 SCALE: 3/8" = 1'-0"



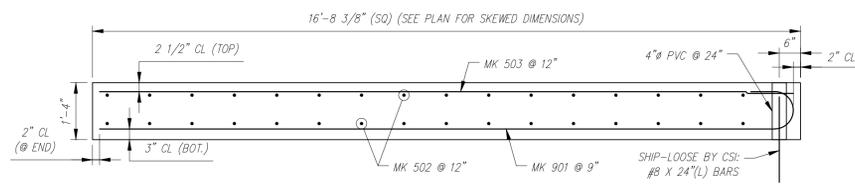
REINFORCING PLAN
 SCALE: 3/8" = 1'-0"



BENDING SCHEDULE
 SCALE: 1/4" = 1'-0"



B SECTION
 SCALE: 1" = 1'-0"



A-A TYPICAL REINFORCING SECTION
 SCALE: 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: April 13, 2016
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED Approval of drawings and/or procedure indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements		Stantec
APPROVED AS NOTED	X	
REVISE AND RESUBMIT		
NOT REVIEWED		
Date:		
By:	<i>[Signature]</i>	

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Rev.	Date	DESCRIPTION	By
		REVISIONS	

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: STANTEC CONSULTING SERVICES, INC.
 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

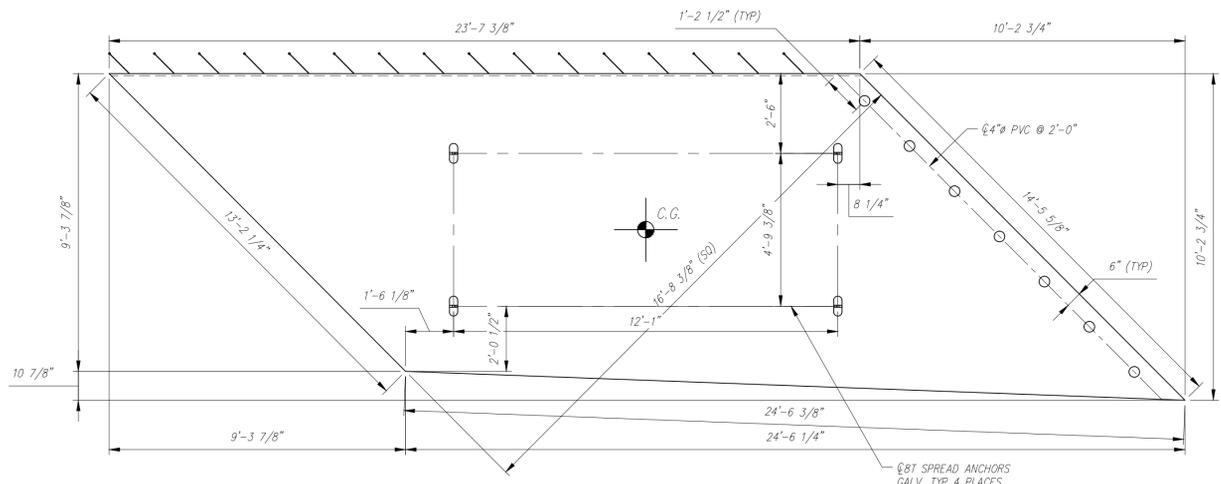
CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY
VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: [Signature]
 Approved By: [Signature]
 Date: 04/04/2016

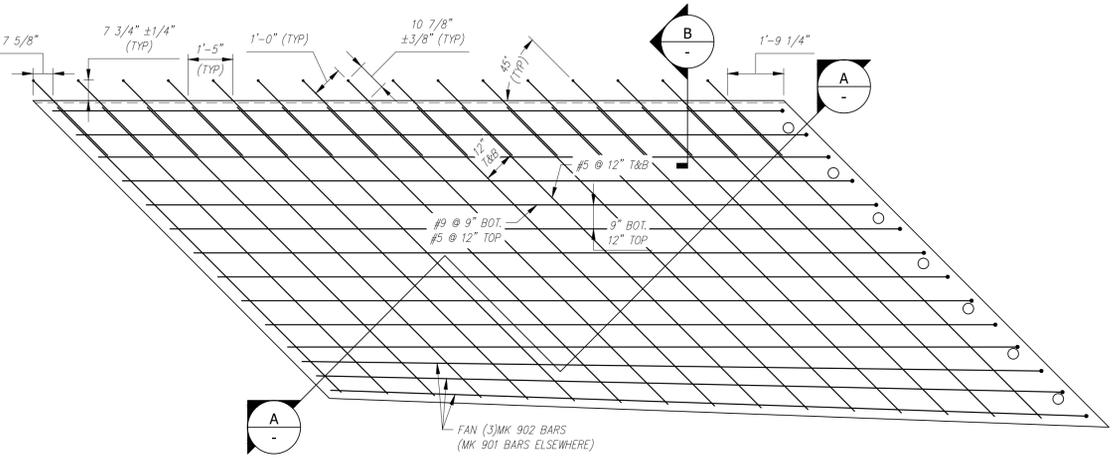
PIECE QUANTITY: 1 EACH
 WEIGHT: 22.83 TONS

VTAOT PROJ. NO.: BRF 0151(21)	
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT	
D	SHOP DRAWING - AS2
Drawing No.	R-S22624-AS2
Quantity:	Project No:
	SHEET AS2 OF

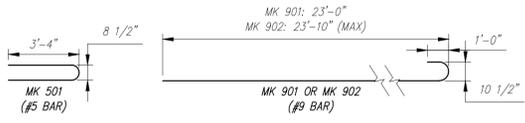
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, EPOXY COATED.
 2. COVER TO REINFORCING: SEE DETAILS.



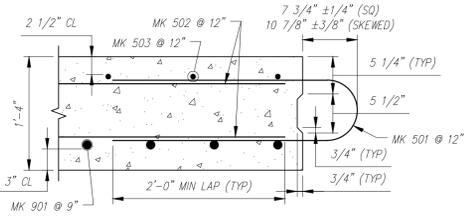
PLAN VIEW
 SCALE: 3/8" = 1'-0"



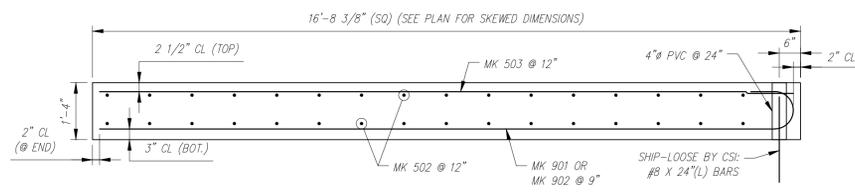
REINFORCING PLAN
 SCALE: 3/8" = 1'-0"



BENDING SCHEDULE
 SCALE: 1/4" = 1'-0"



SECTION
 SCALE: 1" = 1'-0"



TYPICAL REINFORCING SECTION
 SCALE: 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: **April 13, 2016**
 and Checked for
CONFORMANCE
 BY: **Rob Young** DATE: **04/13/2016**

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>[Signature]</i>



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Rev.	Date	DESCRIPTION	By
REVISIONS			

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 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone: 603-889-4163
 Fax: 603-889-2417

STATE AGENCY
VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: A. KOSTENKO
 Date: 04/04/2016

PIECE QUANTITY: 1 EACH
 WEIGHT: 23.09 TONS

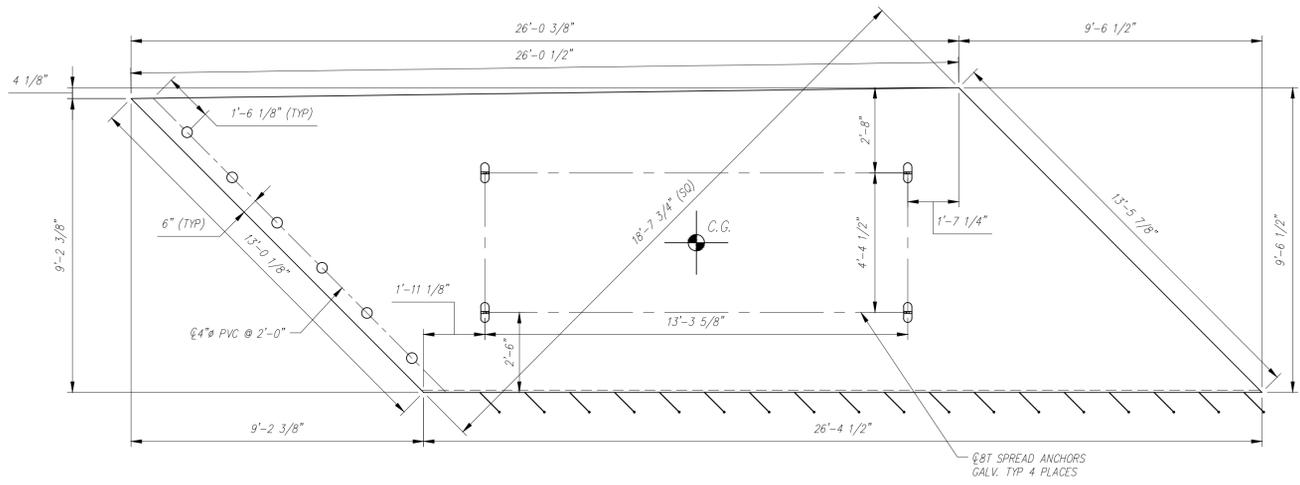
VTAOT PROJ. NO.: BRF 0151(21)

MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

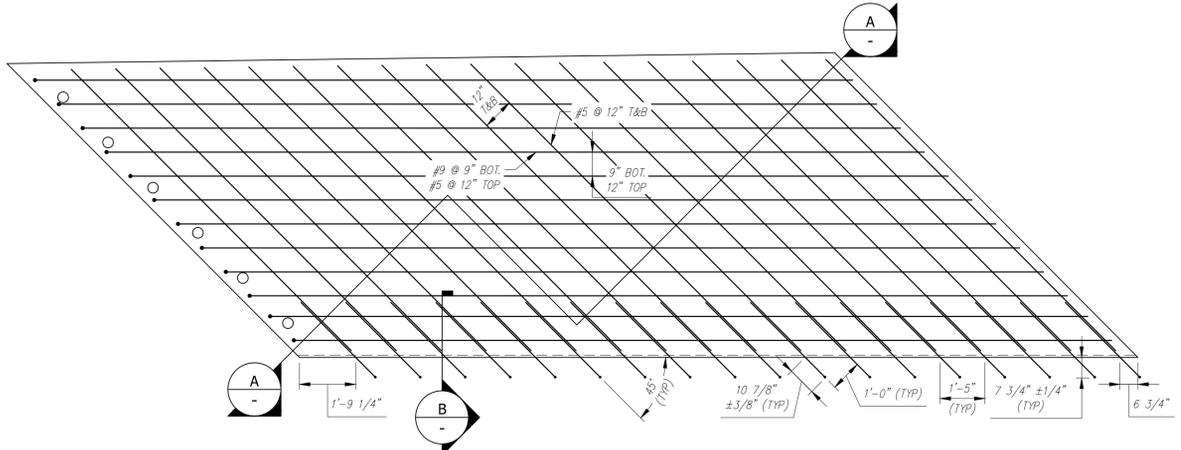
SHOP DRAWING - AS3
 Drawing No. R-S22624-AS3
 REV 0

Quantity: Project No: SHEET AS3 OF

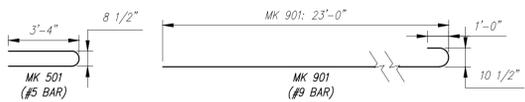
NOTES:
 1. ALL REINFORCING TO BE LEVEL 1, EPOXY COATED.
 2. COVER TO REINFORCING: SEE DETAILS.



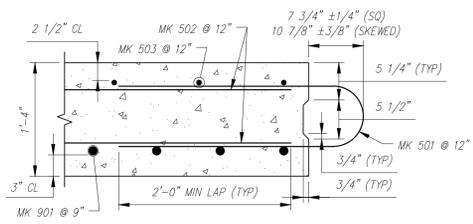
PLAN VIEW
 SCALE: 3/8" = 1'-0"



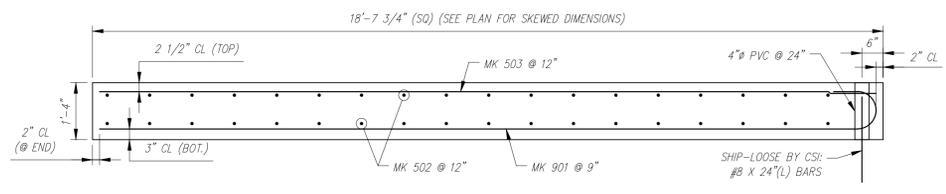
REINFORCING PLAN
 SCALE: 3/8" = 1'-0"



BENDING SCHEDULE
 SCALE: 1/4" = 1'-0"



SECTION B
 SCALE: 1" = 1'-0"



TYPICAL REINFORCING SECTION A-A
 SCALE: 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
 ON: **April 13, 2016**
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED Approval of drawings and/or procedures indicate concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>John E. Hill</i>

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Rev.	Date	DESCRIPTION	By	
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 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone: 603-889-4163
 Fax: 603-889-2417

STATE AGENCY
VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: [Signature]
 Date: 04/04/2016

PIECE QUANTITY: 1 EACH
 WEIGHT: 24.71 TONS

VTAOT PROJ. NO.: BRF 0151(21)

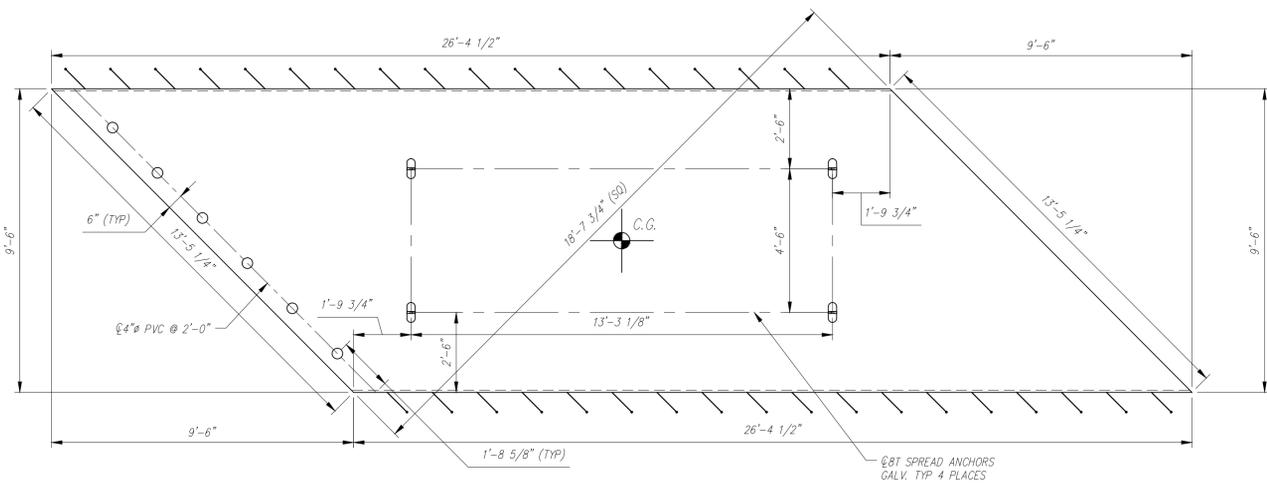
MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

SHOP DRAWING - AS4
 Drawing No. R-S22624-AS4
 REV 0

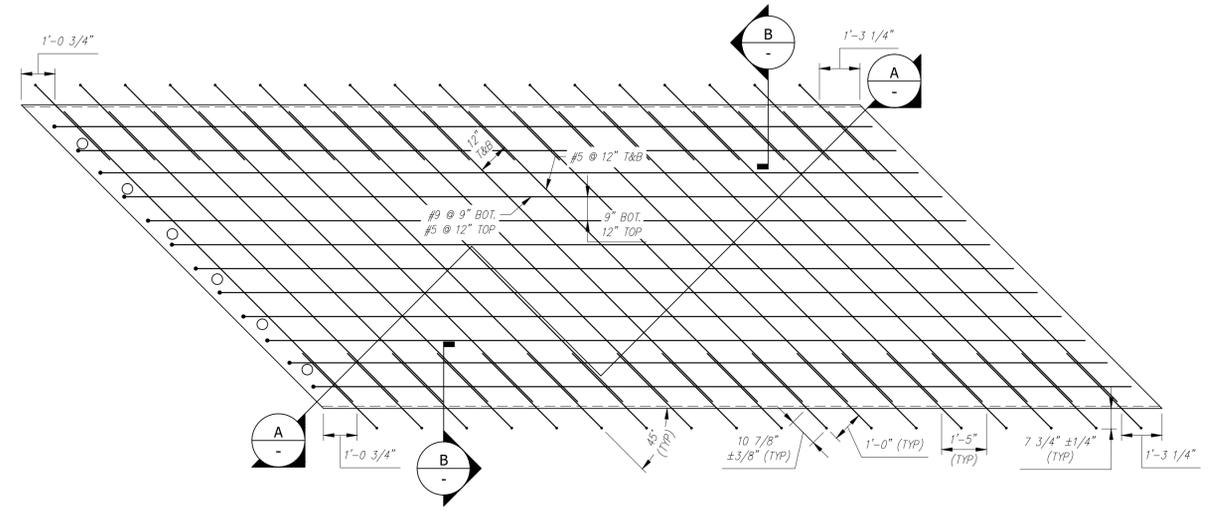
Quantity: Project No: SHEET AS4 OF

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NOTES:
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 2. COVER TO REINFORCING: SEE DETAILS.



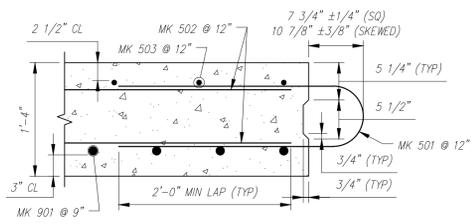
PLAN VIEW
 SCALE: 3/8\"/>



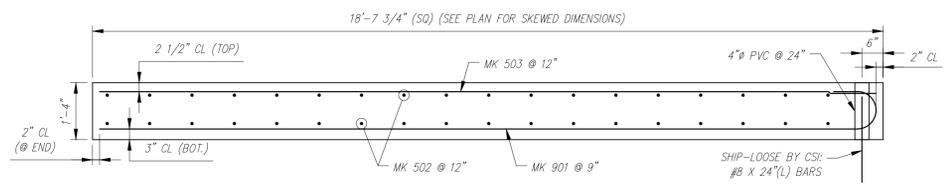
REINFORCING PLAN
 SCALE: 3/8\"/>



BENDING SCHEDULE
 SCALE: 1/4\"/>



SECTION
 SCALE: 1\"/>



TYPICAL REINFORCING SECTION
 SCALE: 1/2\"/>

Vermont Agency of Transportation
RECEIVED
 ON: **April 13, 2016**
 and Checked for
CONFORMANCE
 BY: Rob Young DATE: 04/13/2016

APPROVED - Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVIEW AND RESUBMIT	
NOT REVIEWED	
Date:	
By: <i>John E. Hill</i>	
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and each review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and corrected at the job site, for information that pertains solely to the fabrication processes or to techniques of construction and installation and for coordination of the work of all trades.</small>	



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Rev.	Date	DESCRIPTION	By	
		REVISIONS		

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 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
 Concrete Systems Inc.
 9 Commercial St., Hudson, NH, 03051
 Phone 603-889-4163
 Fax 603-889-2417

STATE AGENCY
VTrans
 Drawn By: A. KOSTENKO
 Reviewed By: [Signature]
 Date: 04/04/2016

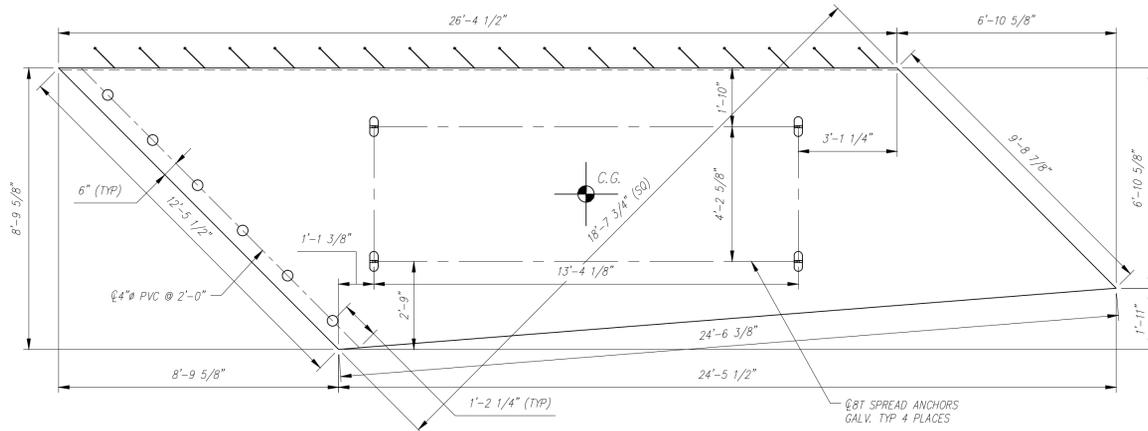
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VTAOT PROJ. NO.: BRF 0151(21)

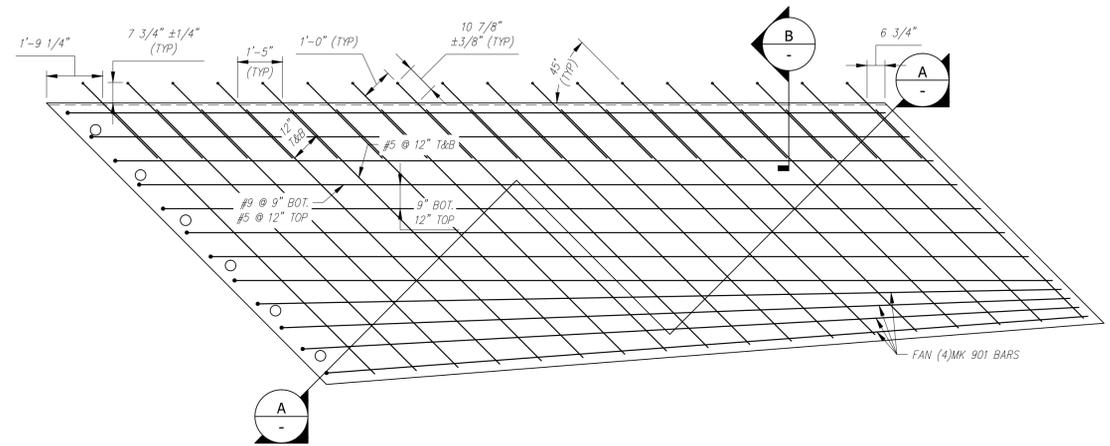
MILLER CONSTRUCTION, INC.
 ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD)
 WOODSTOCK, VT

SHOP DRAWING - AS5
 Drawing No. R-S22624-AS5
 REV 0

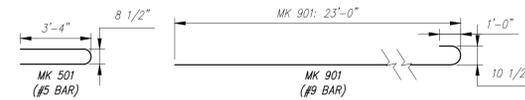
Quantity: Project No: SHEET AS5 OF



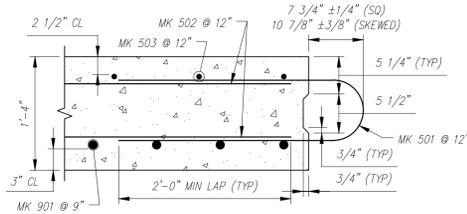
PLAN VIEW
SCALE: 3/8" = 1'-0"



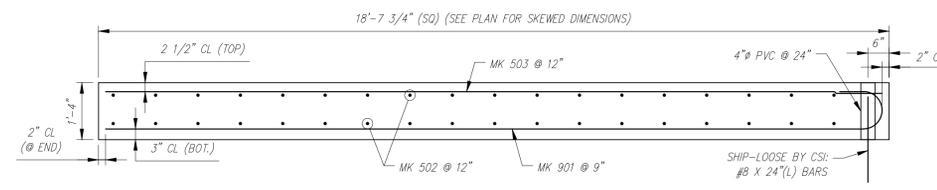
REINFORCING PLAN
SCALE: 3/8" = 1'-0"



BENDING SCHEDULE
SCALE: 1/4" = 1'-0"



B SECTION
SCALE: 1" = 1'-0"



TYPICAL REINFORCING SECTION
SCALE: 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
ON: April 13, 2016
and Checked for
CONFORMANCE
BY: Rob Young DATE: 04/13/2016

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not release the Contractor or Fabricator of compliance with all specifications and code requirements.	
APPROVED AS NOTED	X
REVISE AND RESUBMIT	
NOT REVIEWED	
Date:	
By:	<i>[Signature]</i>
<small>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings. Responsibility for which shall remain with the Contractor. Submitting same and each review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and controlled at the job site, for information that pertains solely to the fabrication process or to techniques of construction and installation and for coordination of the work of all contractors.</small>	



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Rev.	Date	DESCRIPTION	By
REVISIONS			

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 Project No:
 Drawings: PROJECT PLANS
 Specifications:
 Other Sources:

CSI
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

STATE AGENCY	
Drawn By A. KOSTENKO	Date 04/04/2016
Reviewed By	Date
Approved By	Date

PIECE QUANTITY: 1 EACH	
WEIGHT: 20.70 TONS	
VTAOT PROJ. NO.: BRF 0151(21)	
MILLER CONSTRUCTION, INC. ROUTE 106 BRIDGE REPLACEMENT T.H. 61 (KENDALL ROAD) WOODSTOCK, VT	
D	SHOP DRAWING - AS6
Drawing No.	R-S22624-AS6
Quantity:	Project No:
SHEET AS6 OF	