

Precast Approach Slabs

Warren BRF 013-4(32)

Concrete:

Mix Designation: P60TER

1. Specified Mix Design - 5000 PSI
2. Proposed Mix Design - 6000 PSI
3. Striping Strength - 3000 PSI
4. Handling Strength - 3000 PSI
5. Shipping Strength - 5000 PSI
6. Install Strength - 5000 PSI
7. Traffic Loading - 5000 PSI

Fabrication Tolerances:

1. Width ±1/4"
2. Height ±1/4"
3. Length ±1/2"
4. Rebar Cover 2" Min. (Unless Noted Otherwise)
5. Rebar Spacing ±1"
6. Rebar Clearance ±1/4"
7. Insert Placement ±1/4"

Reinforcing:

General Notes:

1. Reinforcing Steel - ASTM A615, Grade 60, Level II, Dual Coated
2. Materials and Manufacturing shall conform to ASTM C1433
3. Bar tied at every intersection.

Tolerances:

1. Spacing ±1"
2. Clearance ±1/4"

Lap Lengths:

1. Per AASHTO 5.11.2.1.1 & 5.11.5.3.1
Lap Length for Level II (Dual Coated):
#4 Bar=17"
#5 Bar=26"
#6 Bar=39"
#7 Bar=53"
#8 Bar=69"

Shop Drawings

1. Refer to following sheets 'A' and 'B' for rebar shop drawings.

Installation Sequence:

1. Pieces will be shipped 2 per truckload
2. Unload pieces utilizing all pick ponts
3. Grade base gravel smooth to provide for even contact under slabs.
4. Set slabs to desired grade.
5. Install longitudinal bars (4) in each closure pour. Form end of closure pour opening.
6. Install HPC Rapid Set concrete into each of the closure pours.

<input type="checkbox"/> Approved	<input checked="" type="checkbox"/> Approved As Noted
<input type="checkbox"/> Rejected	
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	Date <u>3/12/2014</u>
McFarland Johnson	
	By <u>D. Kull</u>

Vermont Agency of Transportation

RECEIVED

ON: **February 24, 2014**

and Checked for

CONFORMANCE

BY: **Rob Young** DATE: **03/14/2014**



FABRICATOR:
193 INDUSTRIAL AVE.
WILLISTON, VT 05495
Ph: (802) 658-0201

Luck Brothers, Inc
73 Trade Road
Plattsburg, NY, 12901
Ph: (518)-561-4321

PRECAST CONCRETE APPROACH SLAB SHOP DRAWINGS (SDI JOB #14046)
SUPERVISOR: M. WHEELER
DETAILER: I. ADAMS
CHECKER: E. Barendse
ENGINEER: N/A

PROJECT NAME: Warren
PROJECT #: BRF 013-4(32)
LOCATION: Bridge #166
Route 100, Warren, VT

02/07/2014

Title Sheet

1 of 4

CONTRACTORS VTSPE:

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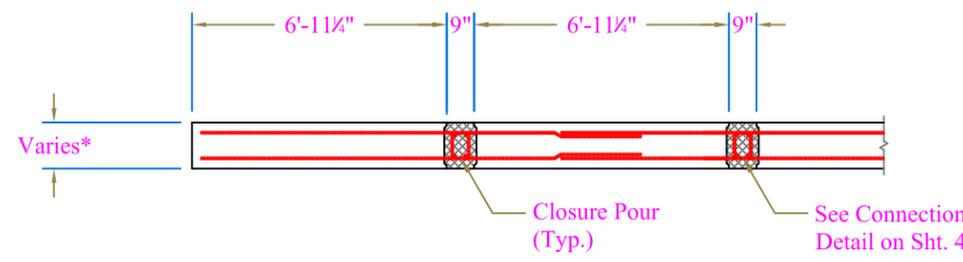
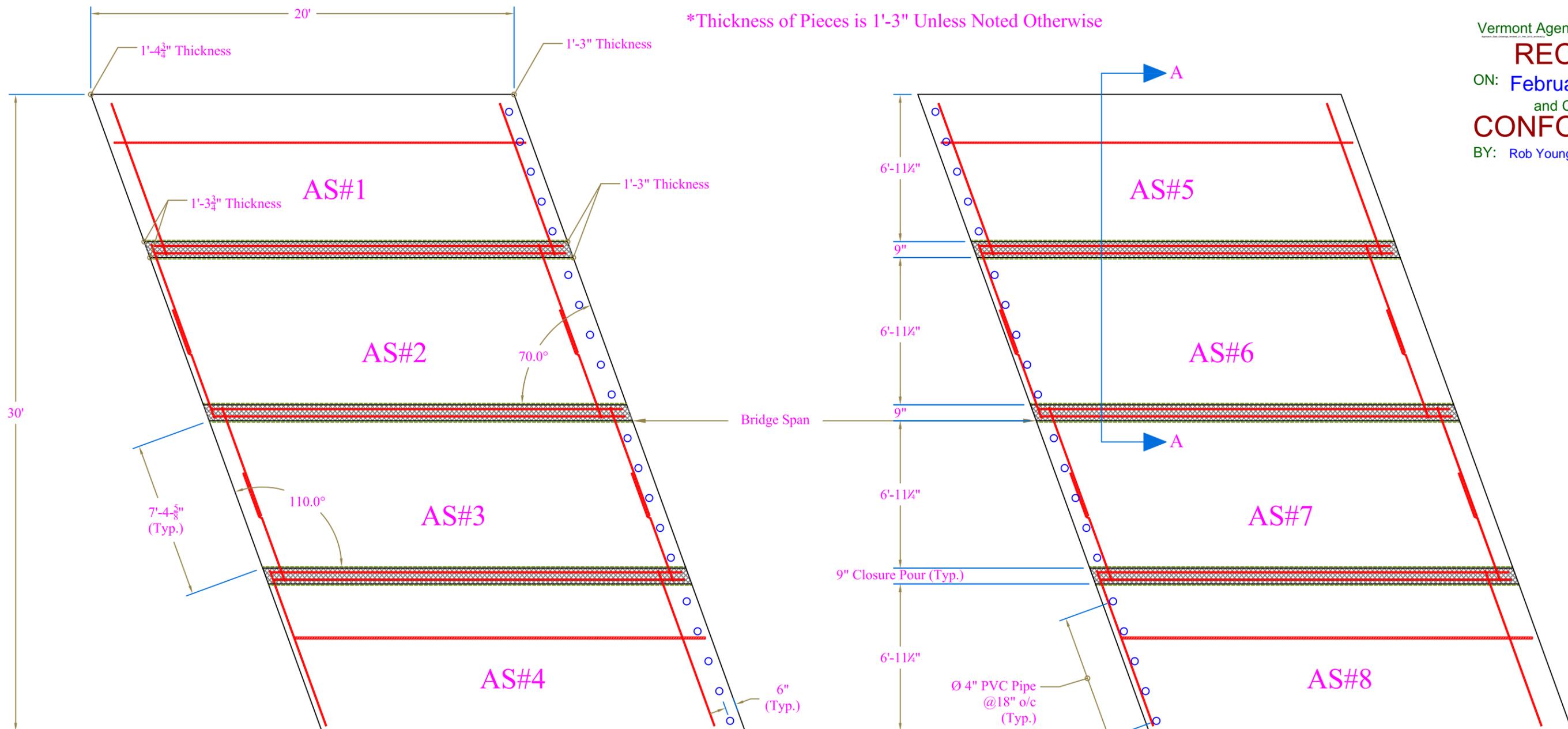


Table of Pieces				
Name	Qty	Thickness	Vol (Cu Yd)	Wt (lbs)
As#1	1	VARIES*	6.68	26,720
As#2	1	VARIES*	6.51	26,050
As#3	1	1'-3"	6.42	25,700
As#4	1	1'-3"	6.42	25,700
As#5	1	1'-3"	6.42	25,700
As#6	1	1'-3"	6.42	25,700
As#7	1	1'-3"	6.42	25,700
As#8	1	1'-3"	6.42	25,700

*See Notes Above on Thickness Variations of Piece AS#1 & AS#2

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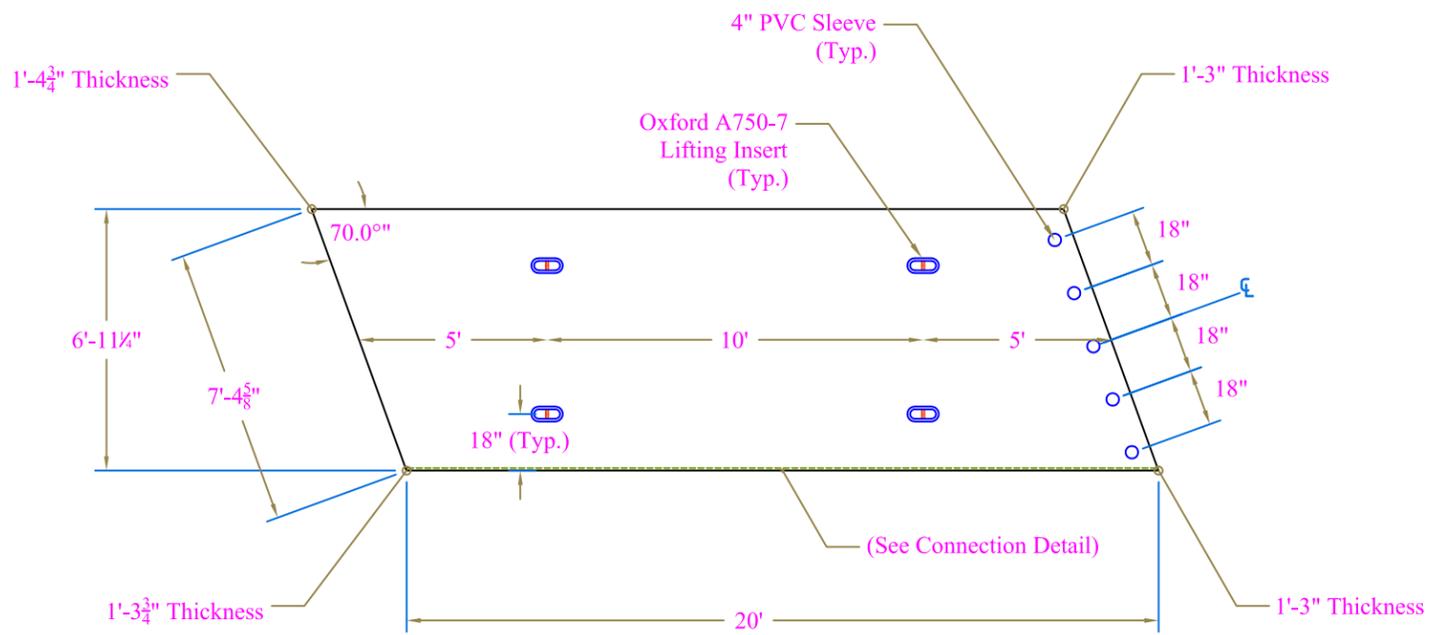
FABRICATOR:
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 WILLISTON, VT 05495
 Ph: (802) 658-0201



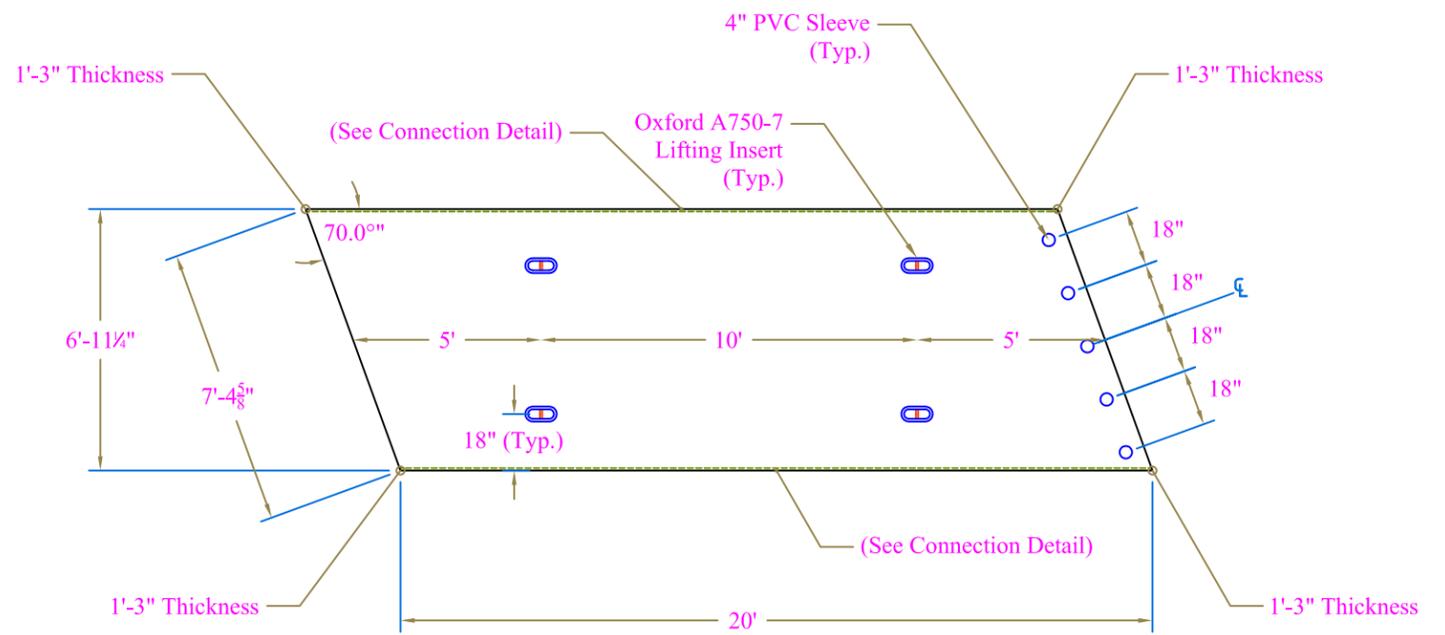
02/07/2014

Slab Plan Views

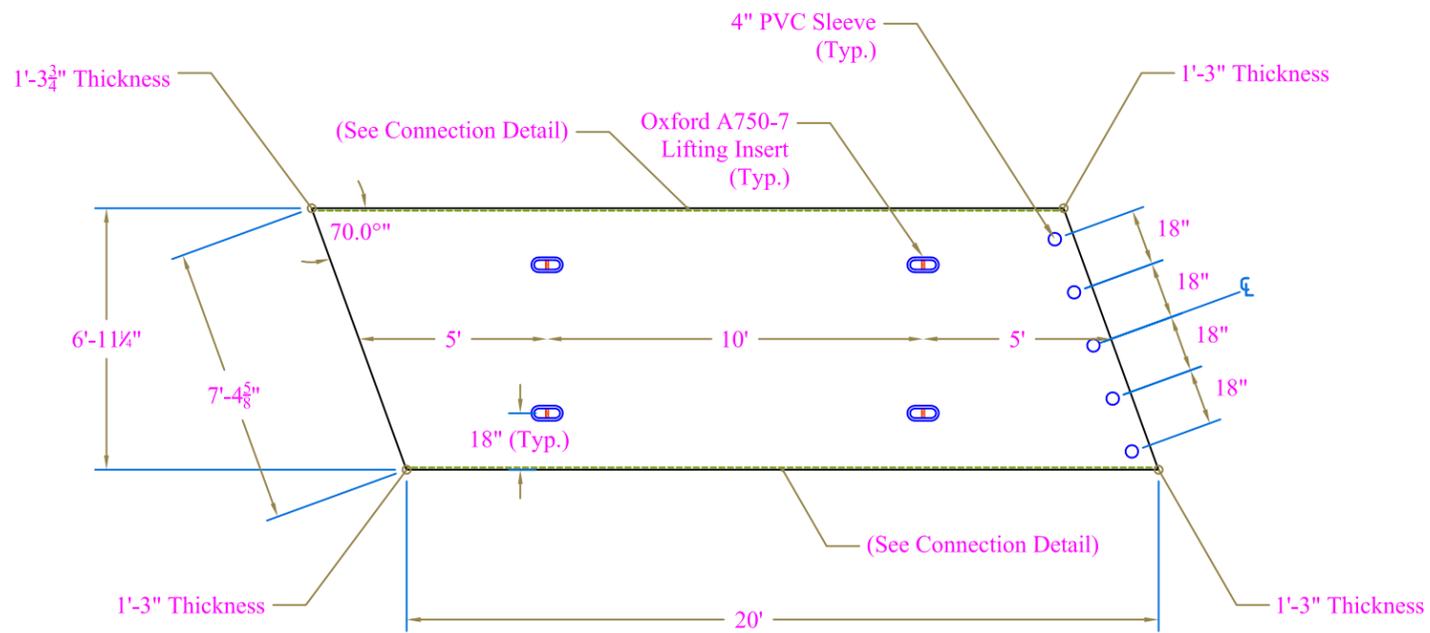
2 of 4



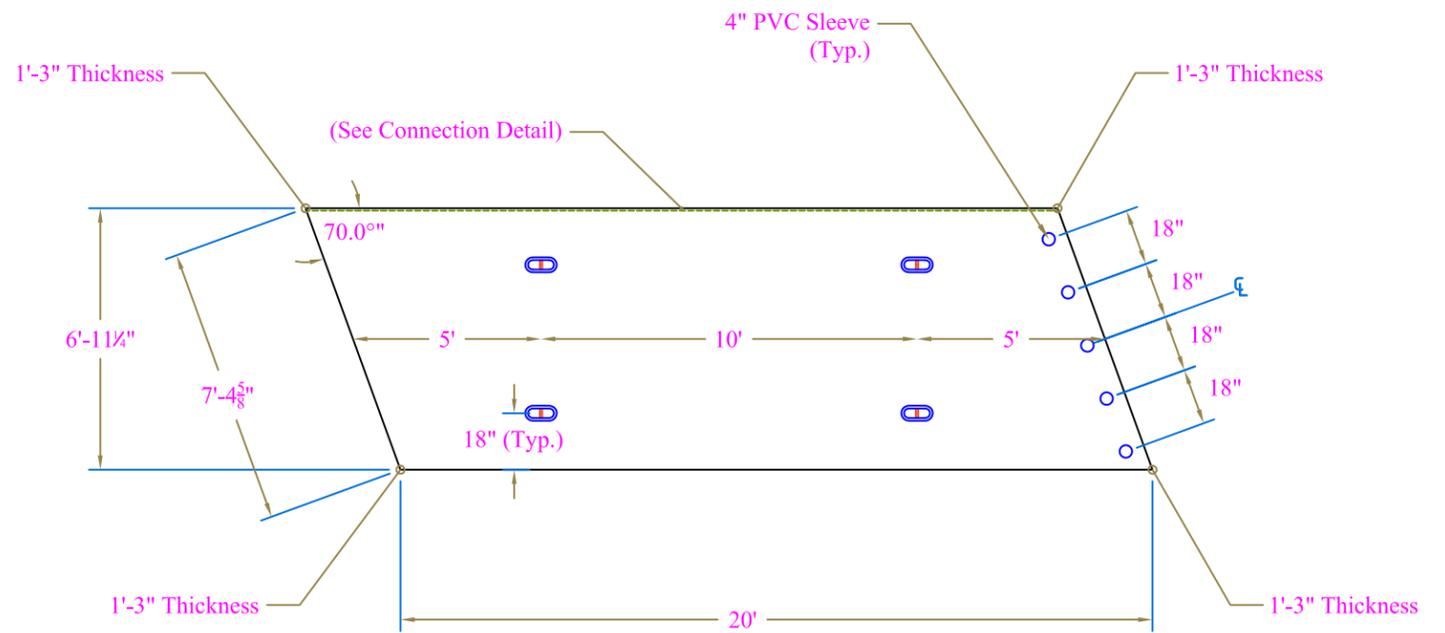
AS#1



AS#3



AS#2



AS#4

<input type="checkbox"/> Approved	<input checked="" type="checkbox"/> Approved As Noted
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DETAILER: I. ADAMS

CHECKER: E. Barendse

ENGINEER: N/A

PROJECT NAME: Warren

PROJECT #: BRF 013-4(32)

LOCATION: Bridge #166

Route 100, Warren, VT

Luck Brothers, Inc

73 Trade Road

Plattsburg, NY, 12901

Ph: (518)-561-4321

02/07/2014

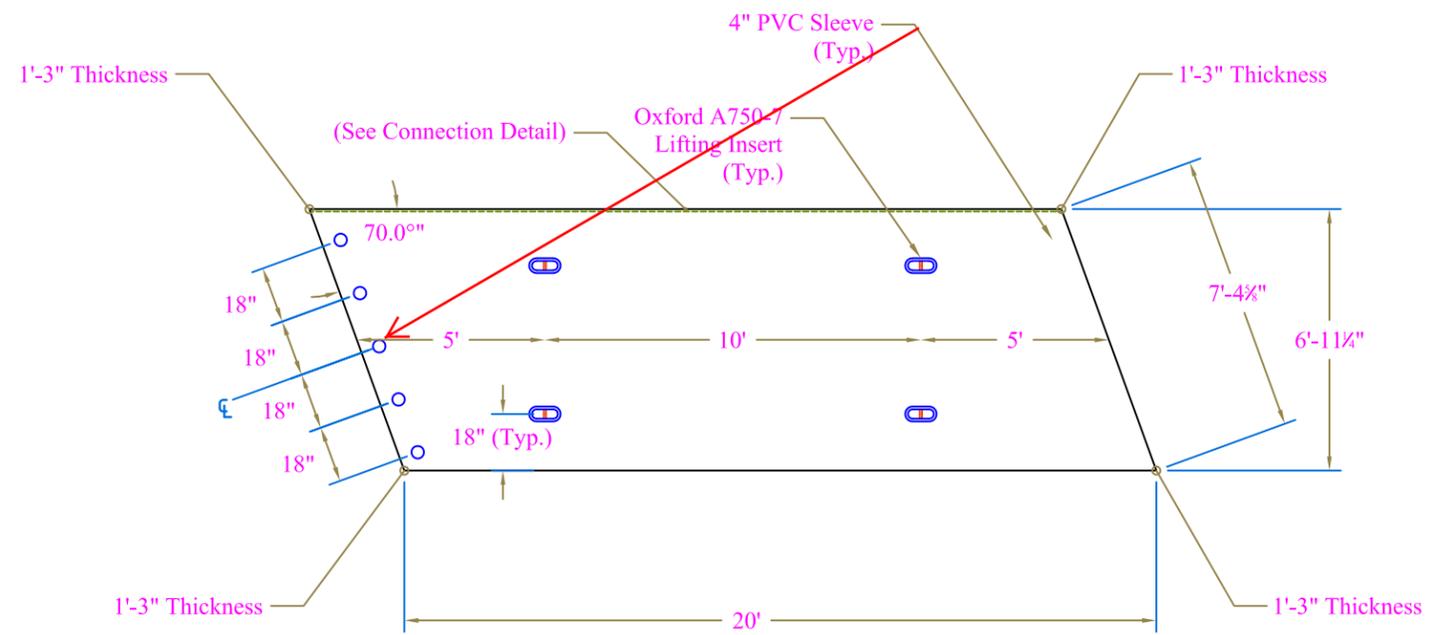
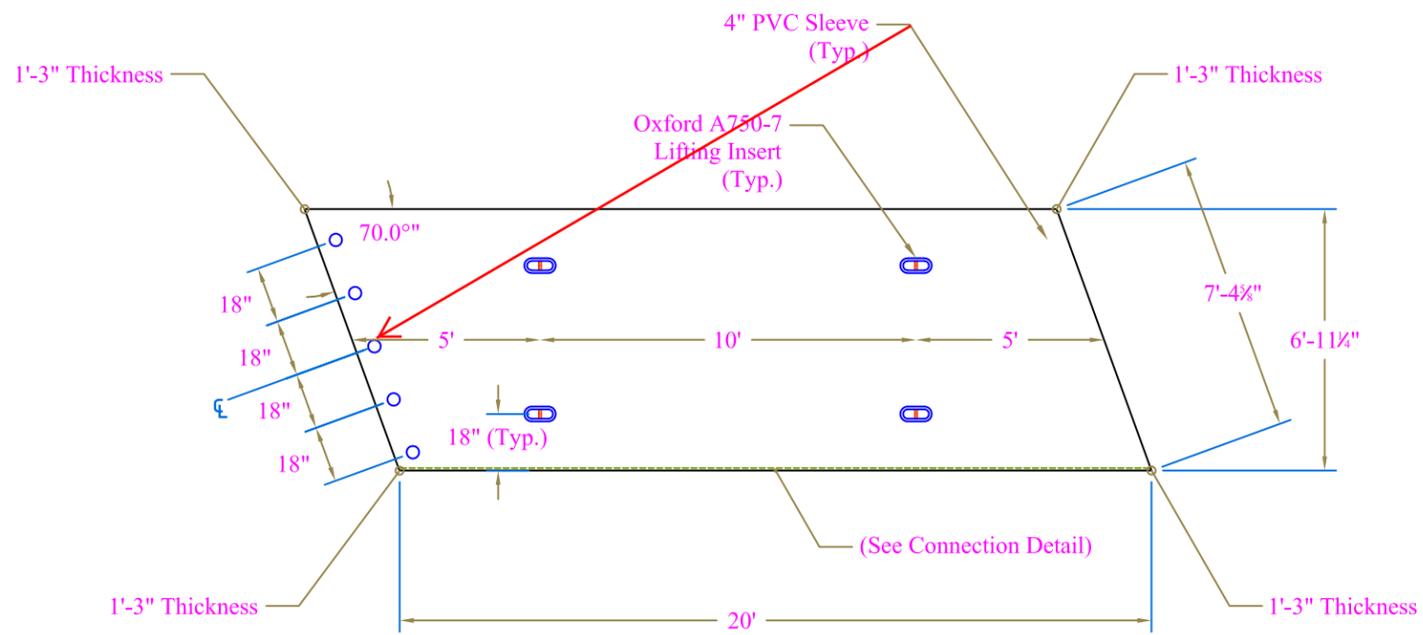
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WILLISTON, VT 05495

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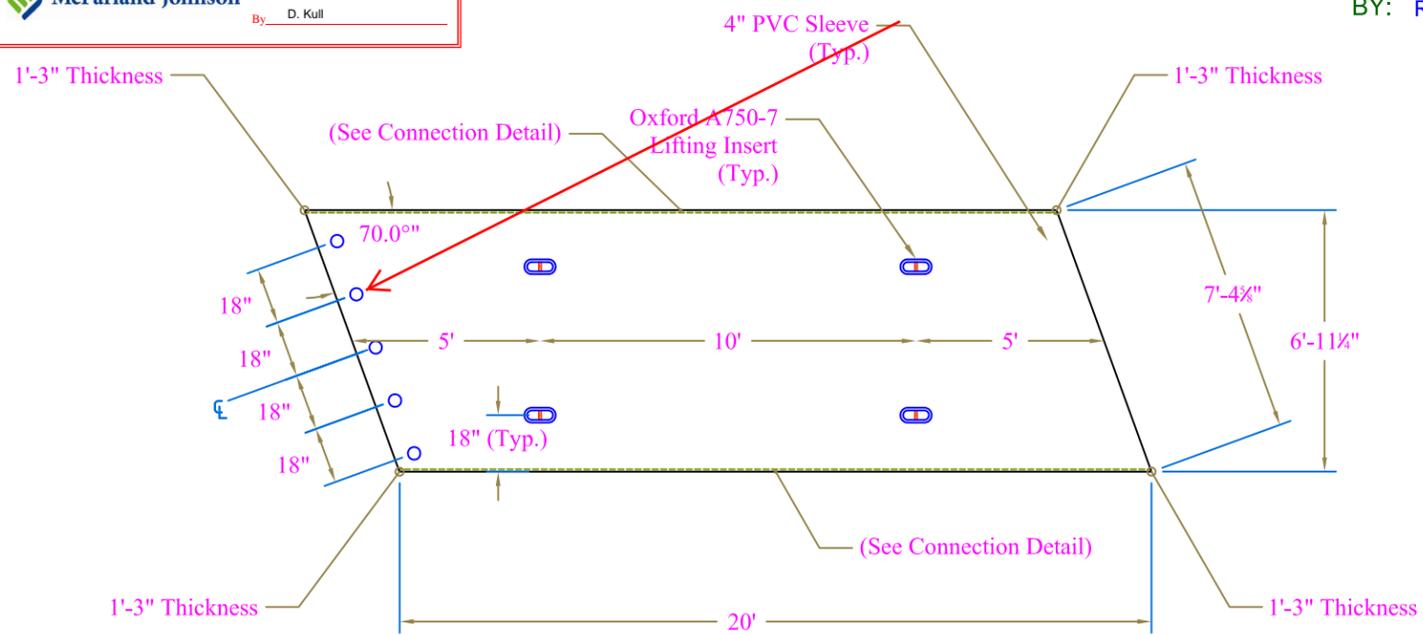
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McFarland Johnson

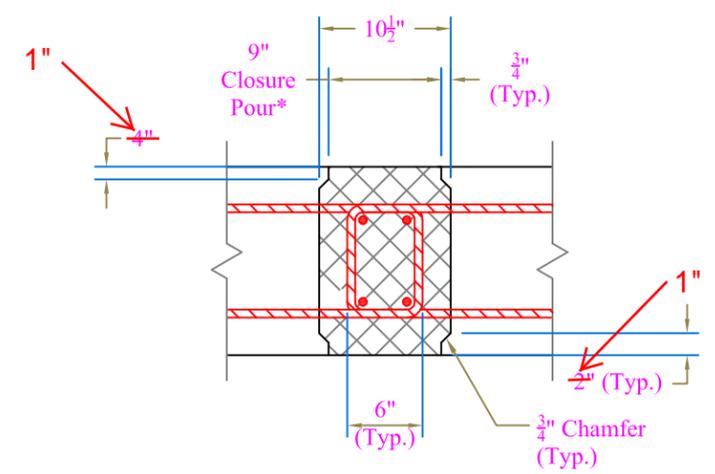
AS#5

AS#8

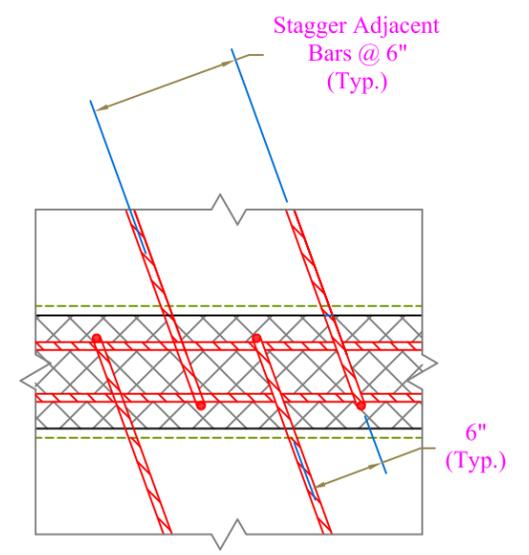
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AS#6, 7



Connection Detail Section



Connection Detail Plan

*Note: Fill Approach Slab Closure Pours with HPC Rapid Set Concrete. Concrete Shall Have a 28 Day Min. Compr. Strength of 7000 Psi

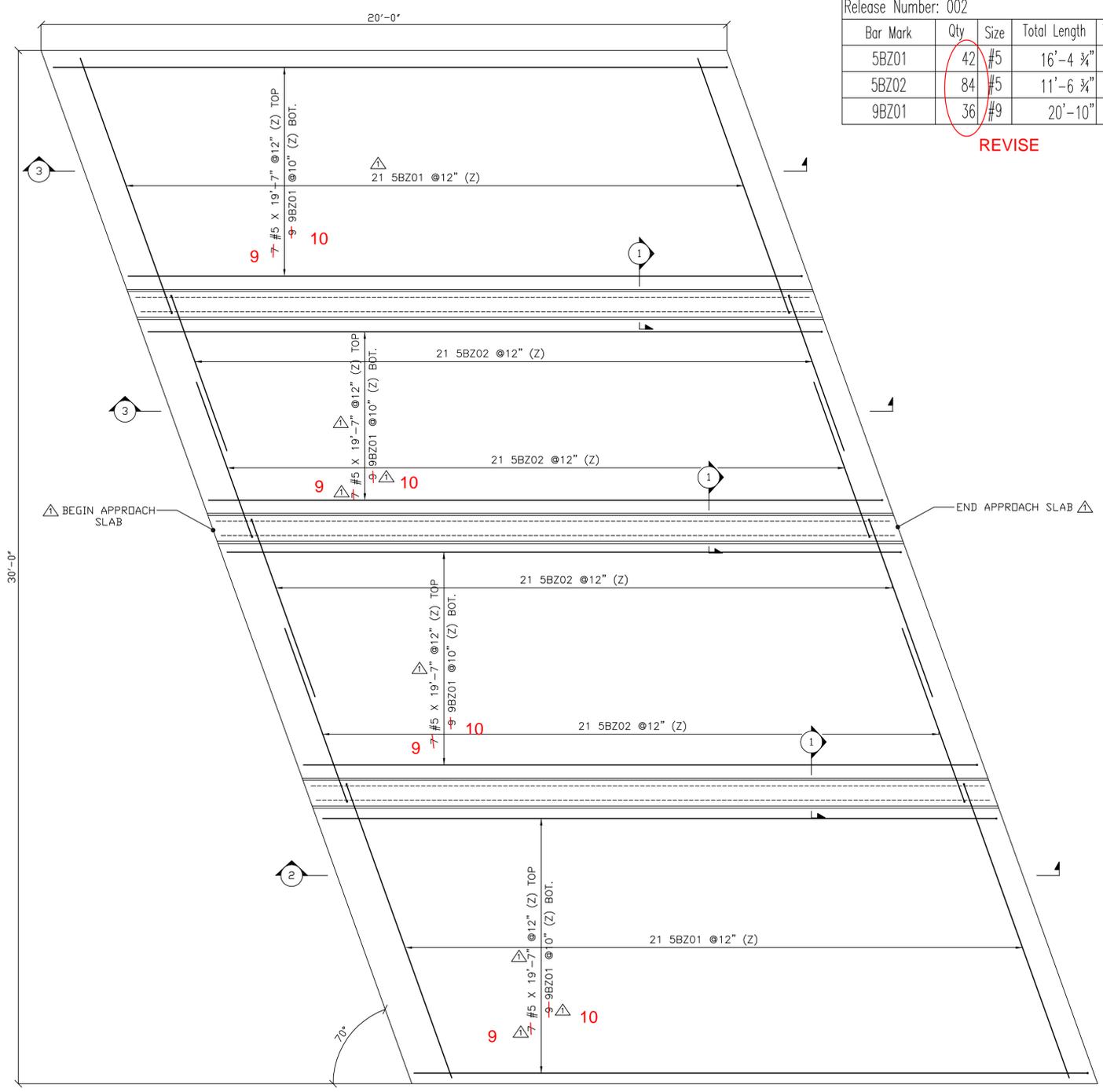
CONTRACTORS VTSPE: Notes: 1. The Top Surface of the Piece Shall Have a Broom Finish Parallel to the Longest Dimension. 2. Slab edges Within Closure Pour Areas Shall be Sand Blasted and Power Washed Clean Prior to Delivery	PRECAST CONCRETE APPROACH SLAB SHOP DRAWINGS (SDI JOB #14046)		Luck Brothers, Inc 73 Trade Road Plattsburg, NY, 12901 Ph: (518)-561-4321	FABRICATOR: 193 INDUSTRIAL AVE. WILLISTON, VT 05495 Ph: (802) 658-0201	
	SUPERVISOR: M. WHEELER DETAILER: I. ADAMS CHECKER: E. Barendse ENGINEER: N/A	PROJECT NAME: Warren PROJECT #: BRF 013-4(32) LOCATION: Bridge #166 Route 100, Warren, VT			

Release Number: 002

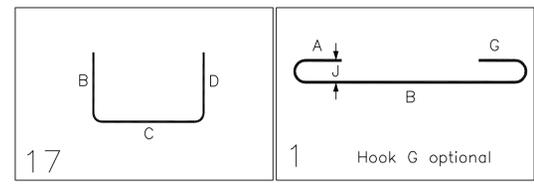
BAR LIST

Bar Mark	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
5BZ01	42	#5	16'-4 3/4"	17		7'-10"	0'-8 3/4"	7'-10"								
5BZ02	84	#5	11'-6 3/4"	17		5'-5"	0'-8 3/4"	5'-5"								
9BZ01	36	#9	20'-10"	1	1'-3"	19'-7"							0'-11 3/4"			

REVISE



APPROACH SLAB #1 PLAN



ALL DUAL COATED REINF. DENOTED (Z)

Vermont Agency of Transportation
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 BY: Rob Young DATE: 03/14/2014

LEGEND:

- CONT.-CONTINUOUS
- TRANS.-TRANSVERSE
- DWLS.-DOWELS
- VERTS.-VERTICAL
- HORIZ.-HORIZONTAL
- T&B -TOP & BOTTOM
- I.F.-INNER FACE
- O.F.-OUTER FACE
- E.E.-EACH END
- E.F.-EACH FACE
- F.F.-FRONT FACE
- R.F.-REAR FACE
- E.W.-EACH WAY
- O.C.-ON CENTER
- L.W.-LONG WAY
- S.W.-SHORT WAY

Approved Rejected Approved As Noted

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FOR APPROVAL

ELEVATIONS & DIMENSIONS SHOWN ON THIS DWG. ARE FOR REINF. DETAILING PURPOSES ONLY AND ARE NOT INTENDED FOR CONSTRUCTION.

REINF. BARS ASTM A615 GRADE 60 DUAL COATED

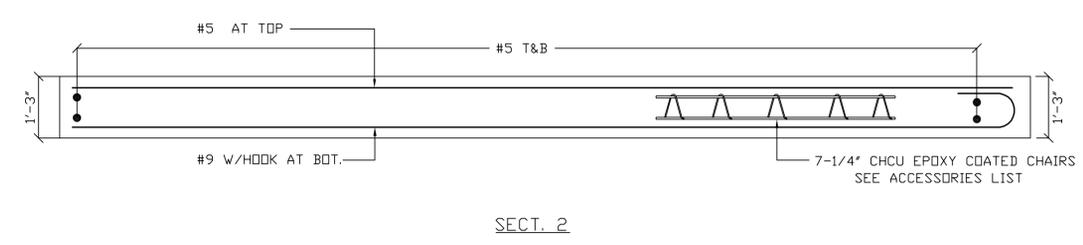
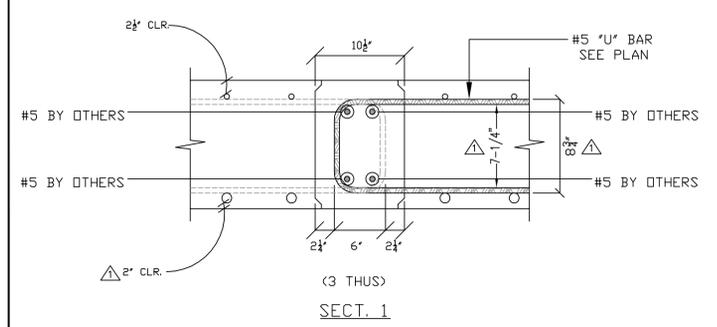
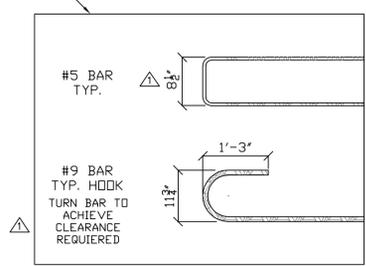
VERIFICATION OF UNCLEAR INFORMATION MAY BE REQUESTED ON THIS DRAWING. SHOULD VERIFICATION BE LEFT UN-ADDRESSED IT WILL REMAIN AS SHOWN AND ASSUME TO BE CORRECT.

PLEASE CONFIRM SUPPORT CHAIRS

ACCESSORIES

QUANTITY	DESCRIPTION
250 L.F.	7-1/4" CHCU EPOXY COATED CHAIRS

PLEASE CONFIRM TYP. HOOKS USED



DATE	REV.#	STATUS
2-21-14	1	DFI INTERNAL REVIEW/FOR APPROVAL
2-17-14	0	FOR APPROVAL

DIMENSION
 DIMENSION FABRICATORS INC.
 2000 7TH STREET
 9507A, N.Y. 12502
 PH: (518) 374-1936
 FAX: (518) 374-4830
 WWW.DIMENSIONFABRICATORS.COM

STRUCTURE: VTAOT WARREN BR# 031-4(32) PRECAST
 LOCATION: BRIDGE 166 ROUTE 100 (MINOR ARTERIAL) BURLINGTON, VT
 ARCHITECT: [blank]
 ENGINEER: [blank]
 CUSTOMER: S.D. IRELAND CONCRETE CONST. CORP.
 DRAWN BY: ED
 DATE: 2/17/14
 DFI #: 8756
 DRAWING COVERS: APPROACH SLAB #2 DUAL COATED REINFORCING
 DRAWING #: B