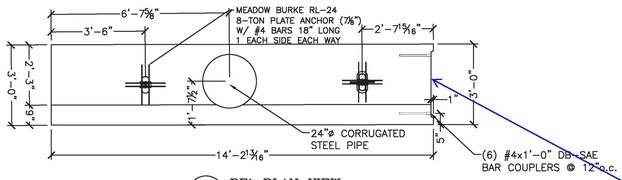
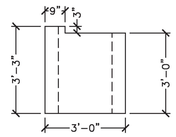


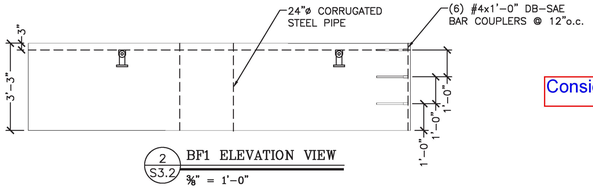
BF1 - (1) REQ'D

ITEM #282400
UNIT AND VOLUME:
4.49CY
TOTAL WT – 18,200#

1 S3.2 BF1 PLAN VIEW
⅜" = 1'-0"



3 S3.2 BF1 END VIEW
⅜" = 1'-0"



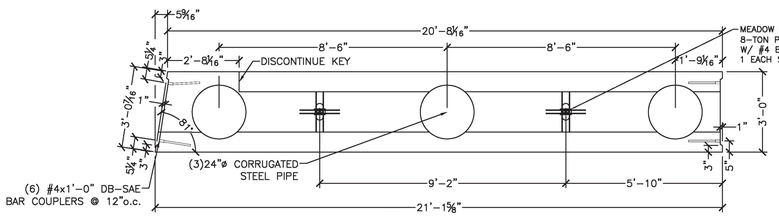
2 S3.2 BF1 ELEVATION VIEW
⅜" = 1'-0"

Consider adding roughened surface to these closure pour faces to increase bond and overall stiffness of footing.

Considered for the future.

I am wondering how the contractor will assemble the footing and slide it down over the piles. Do they first insert all the rebar into the couplers and then slide the entire footing down onto the piles? If so that seems like a difficult thing to rig and lift without the pieces moving. I don't see how, if they first slide each footing piece down over the pile, they can then insert a 3' long rebar into a 1' wide space to get the bar ends into the couplers. Seems like we usually utilize protruding bar from the adjacent pieces for closure pours like this.

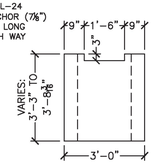
Place the abutment pieces; insert the L-bars, which are 12" x 8" = 20"; place the FB2 stirrups; place the FB3 straight bars.



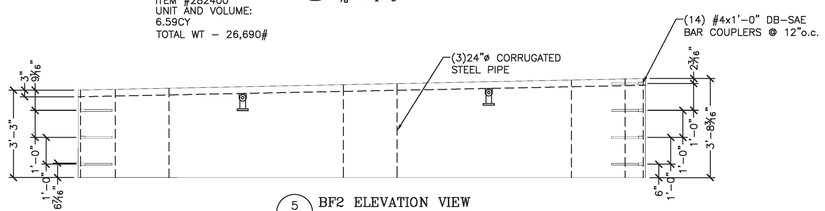
BF2 - (1) REQ'D

ITEM #282400
UNIT AND VOLUME:
6.59CY
TOTAL WT – 26,690#

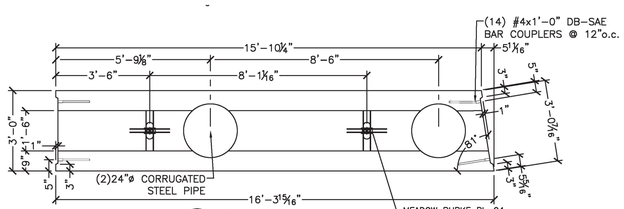
4 S3.2 BF2 PLAN VIEW
⅜" = 1'-0"



6 S3.2 BF2 END VIEW
⅜" = 1'-0"



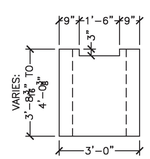
5 S3.2 BF2 ELEVATION VIEW
⅜" = 1'-0"



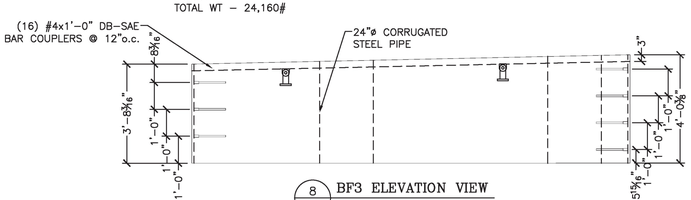
BF3 - (1) REQ'D

ITEM #282400
UNIT AND VOLUME:
5.96CY
TOTAL WT – 24,160#

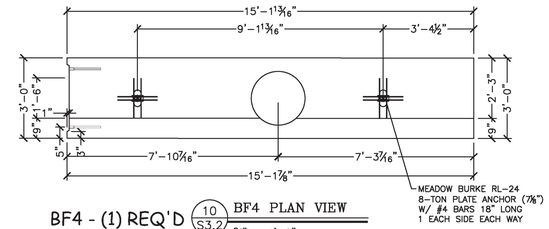
7 S3.2 BF3 PLAN VIEW
⅜" = 1'-0"



9 S3.2 BF3 END VIEW
⅜" = 1'-0"



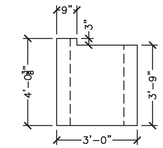
8 S3.2 BF3 ELEVATION VIEW
⅜" = 1'-0"



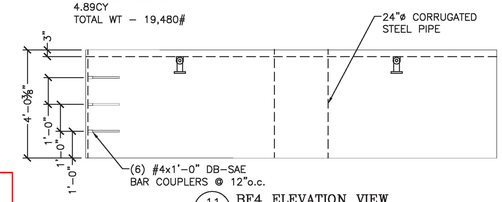
BF4 - (1) REQ'D

ITEM #282400
UNIT AND VOLUME:
4.89CY
TOTAL WT – 19,480#

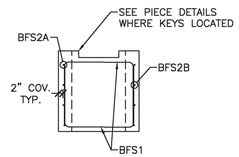
10 S3.2 BF4 PLAN VIEW
⅜" = 1'-0"



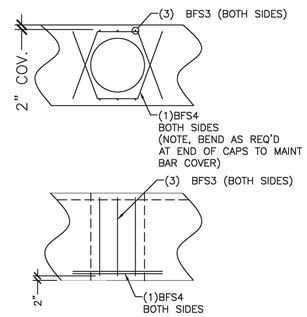
12 S3.2 BF4 END VIEW
⅜" = 1'-0"



11 S3.2 BF4 ELEVATION VIEW
⅜" = 1'-0"



13 S3.2 13 S3.3 PILE CAP REINFORCING
⅜" = 1'-0"



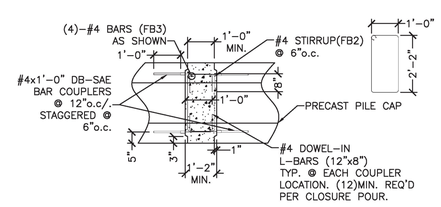
14 S3.2 14 S3.3 PILE VOID REINFORCING
⅜" = 1'-0"

BF1 REINFORCING										
MARK	QTY	SIZE	SPACING	TYPE	CUT LENGTH	A	B	C	X	
BFS1	34	#5	9"	U BAR	7'-8"	2'-8"	2'-5¼"	2'-8"	90°	
BFS2A	4	#7	9"	STR	13'-11"	--	--	--	--	
BFS2B	4	#7	9"	STR	13'-11"	--	--	--	--	
BFS3	6	#6	8"	STR	2'-8"	--	--	--	--	
BFS4	2	#6	--	U BAR	6'-2 ½"	2'-6"	1'-6"	2'-6"	110°	
COUPLERS	6	#4	12"	STR	1'-0"	--	--	--	--	

BF2 REINFORCING										
MARK	QTY	SIZE	SPACING	TYPE	CUT LENGTH	A	B	C	X	
BFS1	36	#5	9"	U BAR	7'-8"	2'-8"	2'-5¼"	2'-8"	90°	
BFS2A	4	#7	9"	STR	20'-4"	--	--	--	--	
BFS2B	4	#7	9"	STR	20'-10"	--	--	--	--	
BFS3	18	#6	8"	STR	2'-11"	--	--	--	--	
BFS4	6	#6	--	U BAR	6'-2 ½"	2'-6"	1'-6"	2'-6"	110°	
COUPLERS	14	#4	12"	STR	1'-0"	--	--	--	--	

BF3 REINFORCING										
MARK	QTY	SIZE	SPACING	TYPE	CUT LENGTH	A	B	C	X	
BFS1	30	#5	9"	U BAR	8'-4"	3'-1"	2'-5¼"	3'-1"	90°	
BFS2A	4	#7	9"	STR	15'-6"	--	--	--	--	
BFS2B	4	#7	9"	STR	16'-0"	--	--	--	--	
BFS3	12	#6	8"	STR	3'-4"	--	--	--	--	
BFS4	4	#6	--	U BAR	6'-2 ½"	2'-6"	1'-6"	2'-6"	110°	
COUPLERS	14	#4	12"	STR	1'-0"	--	--	--	--	

BF4 REINFORCING										
MARK	QTY	SIZE	SPACING	TYPE	CUT LENGTH	A	B	C	X	
BFS1	36	#5	9"	U BAR	9'-0"	3'-5"	2'-5¼"	3'-5"	90°	
BFS2A	4	#7	9"	STR	14'-9"	--	--	--	--	
BFS2B	4	#7	9"	STR	14'-9"	--	--	--	--	
BFS3	6	#6	8"	STR	3'-5"	--	--	--	--	
BFS4	2	#6	--	U BAR	6'-2 ½"	2'-6"	1'-6"	2'-6"	110°	
COUPLERS	6	#4	12"	STR	1'-0"	--	--	--	--	



15 S3.2 CLOSURE POUR DETAIL
⅜" = 1'-0" PLAN VIEW

NOTE: FIELD BEND DOWEL-IN BARS AS REQ'D TO MAINTAIN BAR COVER AT SKEWED CLOSURES.

Show elevation view

SPECIALTY ENGINEERING SERVICES PROVIDED BY:
CONCRETE ENGINEERING SOLUTIONS, LLC
PO BOX 1 ROUTE 100 NORTH
MORTON, OR 97365
PH: 503-842-8279
FAX: 503-842-8280
CONCRETE ENGINEERING SOLUTIONS, LLC

No.	Date	Revision	By
1	04/18/2017	REV. PER COMMENTS	SDG

STATE OF VERMONT
STUART D. GORMLY
NO 84443
CIVIL
LICENSED PROFESSIONAL ENGINEER
4/18/17

WHITE MOUNTAIN PRECAST, LLC
173 BUXTON INDUSTRIAL DRIVE-PO BOX 870
CONWAY, NEW HAMPSHIRE 03818
PHONE: 603-428-3218
FAX: 603-428-7428

US Route 2, Rural Major Collector, Bridge 32
Town of Richmond, Project BF 0284(28)

25'-0" x 5'-3" Rigid Frame Bridge
Pile Cap Details

Scale: AS SHOWN
Checked By: CFP
Drawn by: SDG
Designed by: SDG
Date: 2/9/17
Project No. 7084

Prepared for:
G.W.Tatro Construction
PO Box 339
5195 VT Rt 15
Jeffersonville, VT 05464

DWG NO.
S3.2

C:\WORK\38-MICHE\17-38.01 GW TATRO CONST RICHMOND VT\BFB 25X8 7885-170414.DWG 4/18/2017 3:41 PM