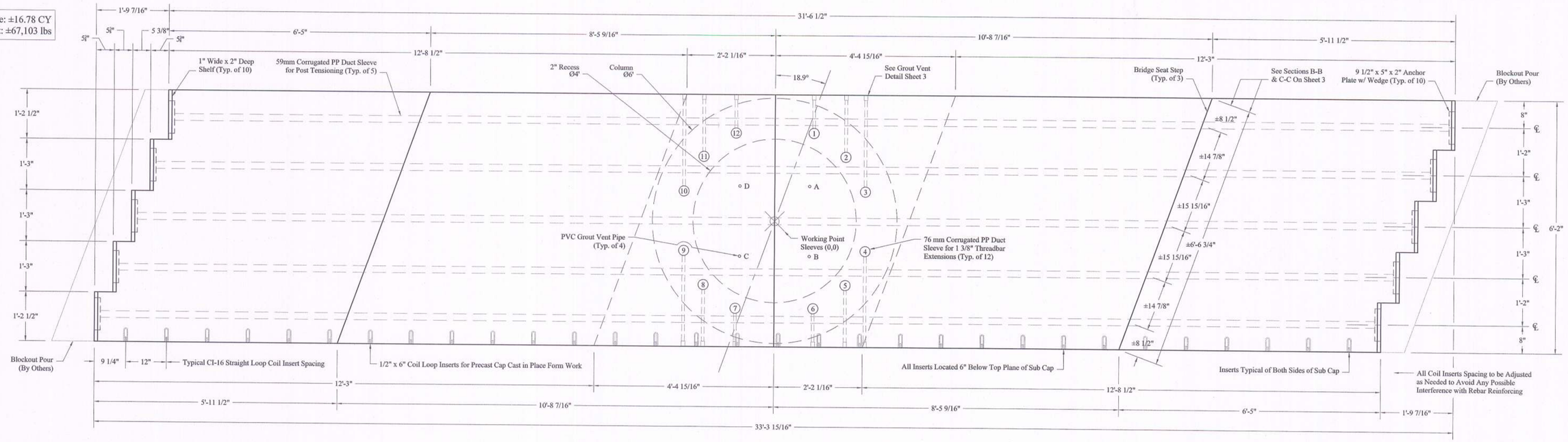
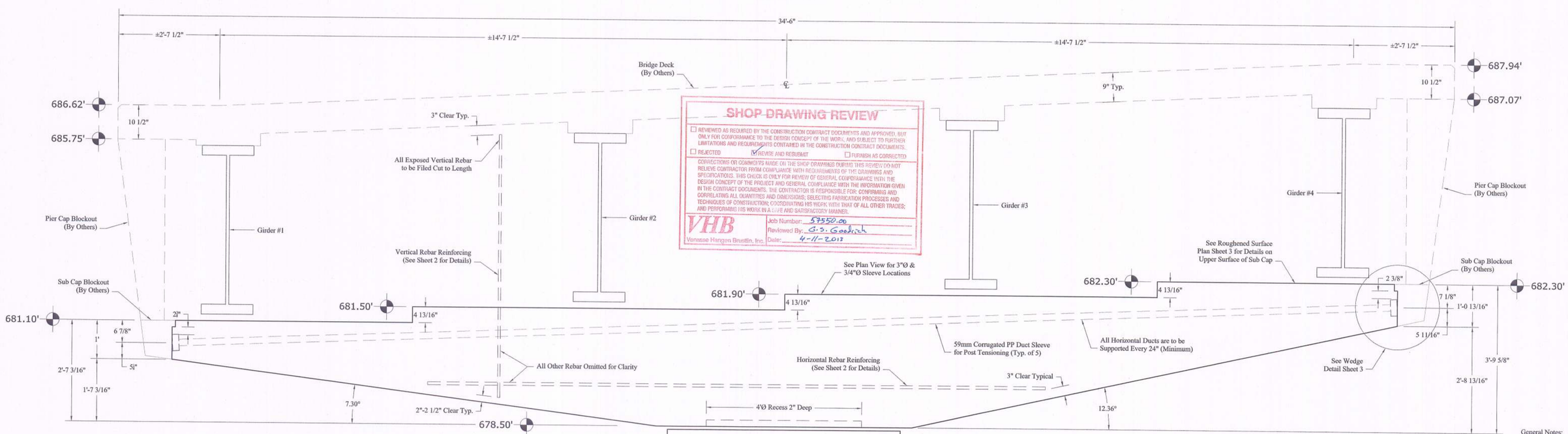
Volume: ±16.78 CY
Weight: ±67,103 lbs



Plan View



SHOP DRAWING REVIEW

☐ REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED; BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

☐ REJECTED ☑ REVISE AND RESUBMIT ☐ FURNISH AS CORRECTED

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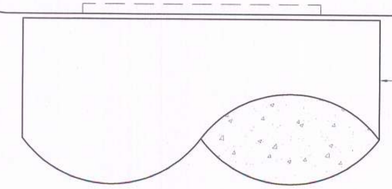
VHB Vanasse Hangen Brustlin, Inc. Job Number: 57550.00 Reviewed By: G.S. Goodrich Date: 4-11-2013

Sleeve Legend & Coordinates

Mark	Ø	X	Y	Mark	Ø	X	Y	Mark	Ø	X	Y
1	3"	11 7/16"	2'-1 11/16"	7	3"	-11 7/16"	-2'-1 11/16"	A	3/4"	10 1/4"	10 1/4"
2	3"	1'-8 7/8"	1'-6 13/16"	8	3"	-1'-8 7/8"	-1'-6 13/16"	B	3/4"	10 1/4"	-10 1/4"
3	3"	2'-2 11/16"	8 11/16"	9	3"	-2'-2 11/16"	-8 11/16"	C	3/4"	-10 1/4"	-10 1/4"
4	3"	2'-2 11/16"	-8 11/16"	10	3"	-2'-2 11/16"	8 11/16"	D	3/4"	-10 1/4"	10 1/4"
5	3"	1'-8 7/8"	-1'-6 13/16"	11	3"	-1'-8 7/8"	1'-6 13/16"				
6	3"	11 7/16"	-2'-1 11/16"	12	3"	-11 7/16"	2'-1 11/16"				



Elevation View at ℄

General Notes:

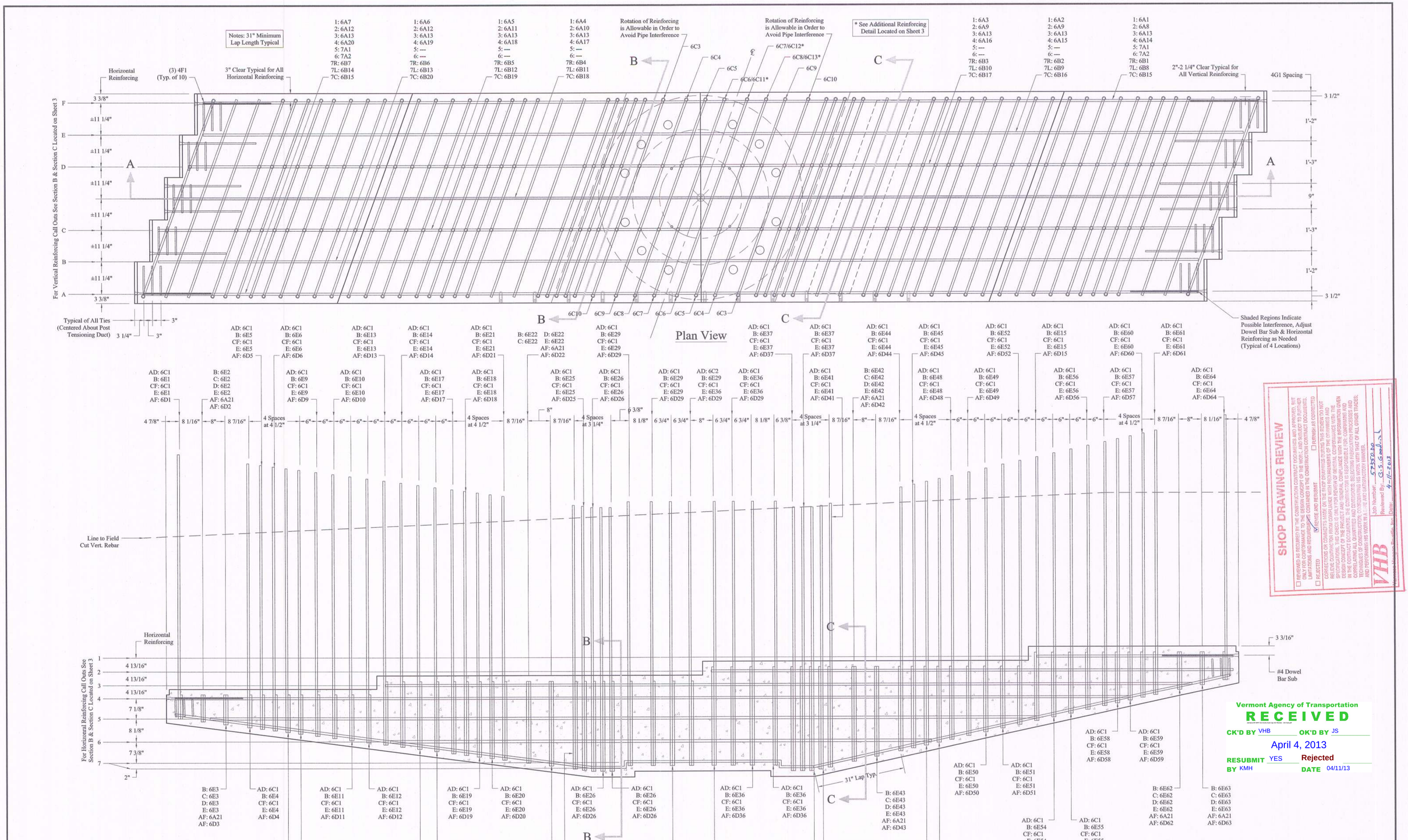
1. Concrete Shall Have a Minimum 28 Days Compressive Strength of 6,000 PSI SCC Mix
2. All Reinforcing Rebar to be Level II Bar that is Dual Coated by the Manufacturer
3. All Horizontal Ducts (59mm PP Ducts) are to be Supported Every 24" (Minimum)
4. All Post Tensioning Details are Based on the Post Tensioning Contractors Submittal

Please indicate date of F/S shop drawings (and F/S supplier name)

Vermont Agency of Transportation
RECEIVED
CK'D BY VHB OK'D BY JS
April 4, 2013
RESUBMIT YES Rejected
BY KMH DATE 04/11/13

SD Ireland PRECAST DIVISION

PROJECT NAME: JAMAICA	
PROJECT NUMBER: ER-BRF 013-1(16)	
PRECAST SUB-CAP PRODUCTION DRAWING SET	
DRAWING: PLAN LAYOUT & ELEVATION VIEW	
DRAWN BY: CD	DATE: 04/02/13
APPROVED BY: TD	SHEET: 1 OF 4



Notes:

1. Horizontal Reinforcing Call Out 7 is Divided into 3 Separate Bars Consisting of 7L (Left), 7C (Center) & 7R (Right) Based on Their Location Relative to Section A Sheet 2

2. Concrete Shall Have a Minimum 28 Days Compressive Strength of 6,000 PSI SCC Mix

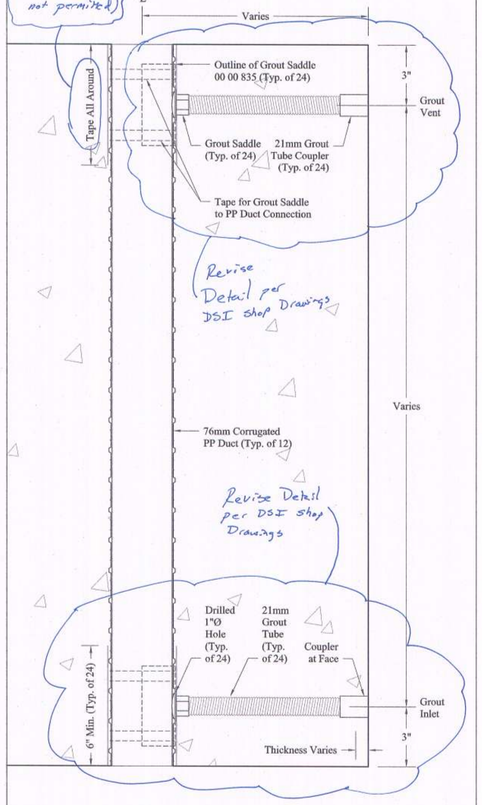
3. All Reinforcing Rebar to be Level II Bar that is Dual Coated by the Manufacturer

4. Precast Sub Cap Shall be Poured in the Upright Position and Handled in the Upright Position Only Using Methods Shown on Lifting Handling Detail Located on Sheet 4

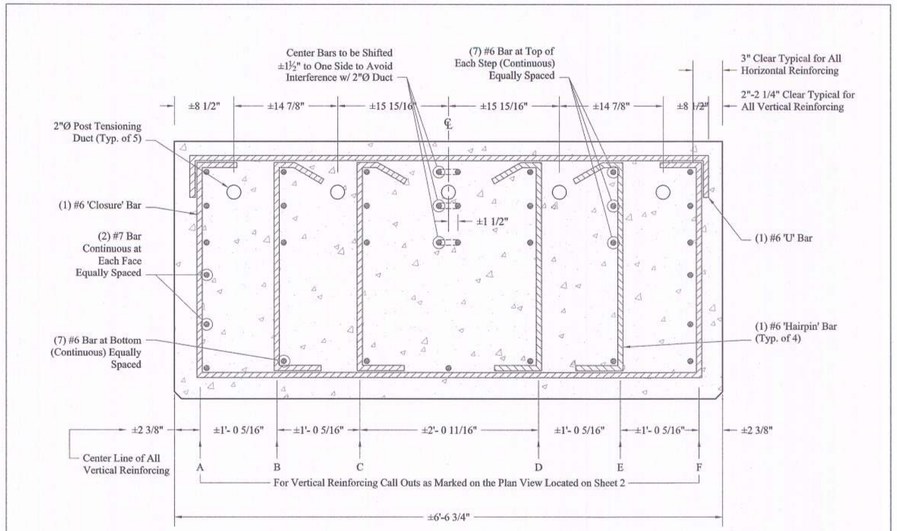
PROJECT NAME: JAMAICA	
PROJECT NUMBER: ER-BRF 013-1(16)	
PRECAST SUB-CAP PRODUCTION DRAWING SET	
DRAWING: REBAR REINFORCING PLAN & SECTION	
DRAWN BY: CD	DATE: 04/02/13
APPROVED BY: TD	SHEET: 2 OF 4

Note: All PP Ducts, Grout Tubes, Grout Saddles, Grout Couplers, Heat Shrink & Anchor Plates to be Provided to S.D. Ireland by the Contractor

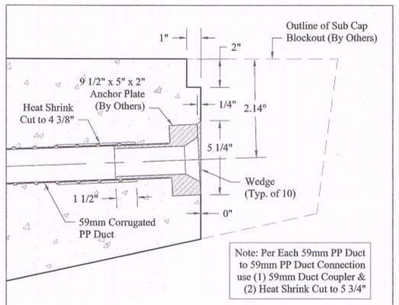
Revise (tape not permitted)



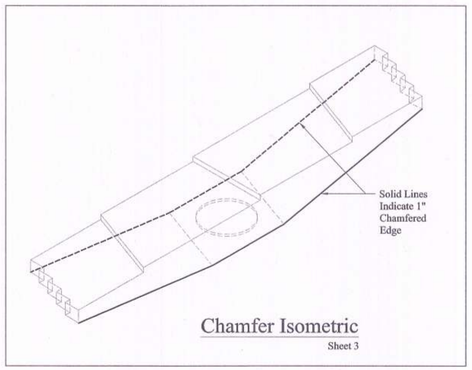
Grout Vent Detail
(Vertical) Sheet 1



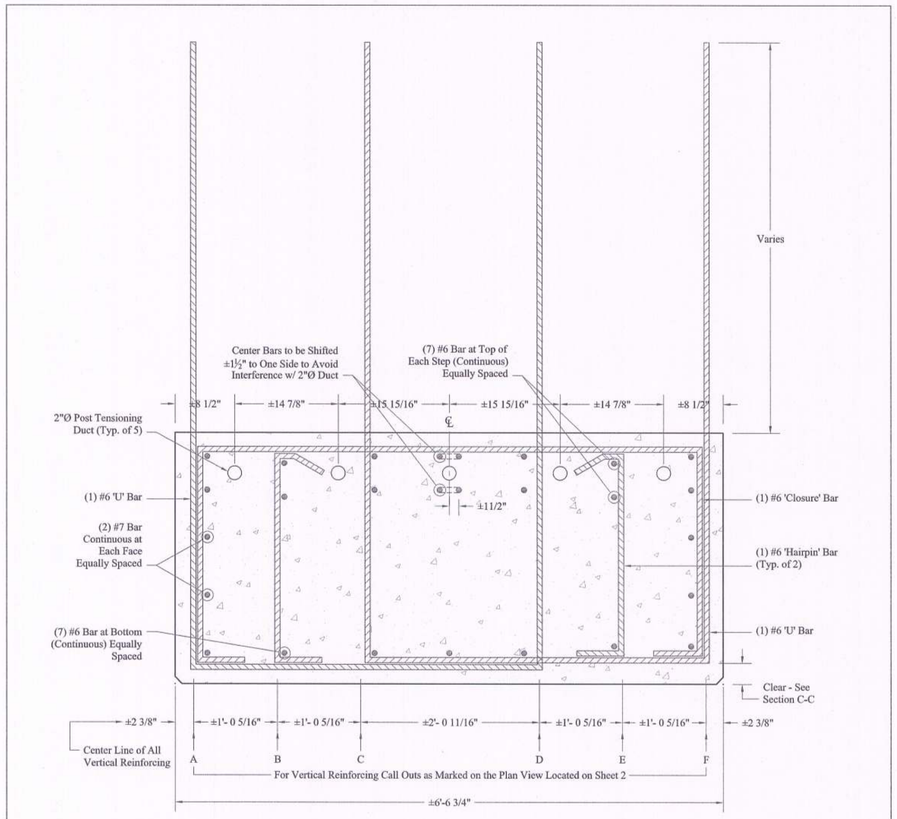
Section C-C
Sheet 2



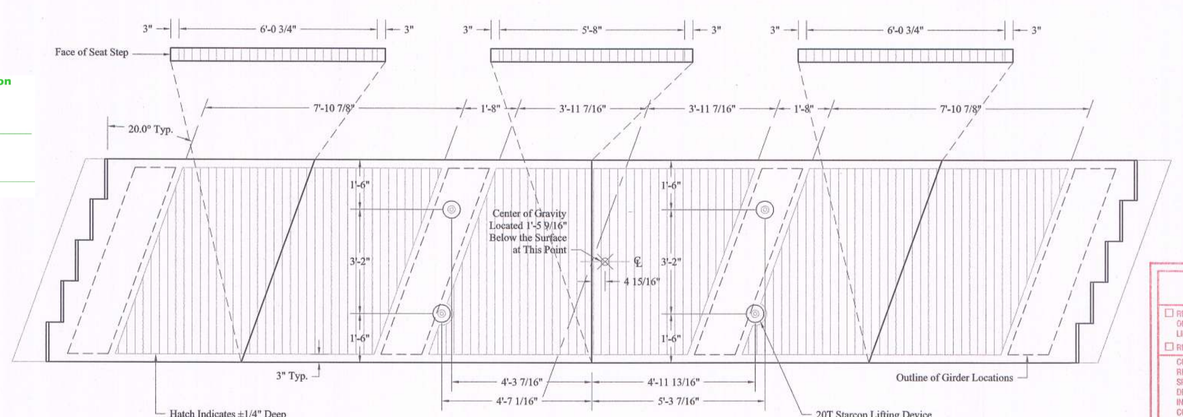
Wedge Plate Detail
(Horizontal) Sheet 1



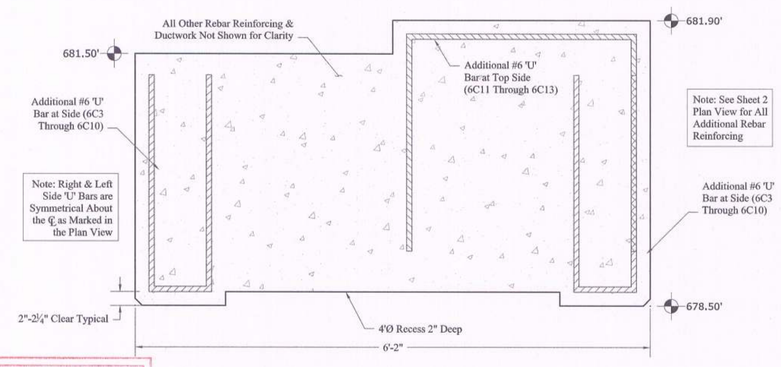
Chamfer Isometric
Sheet 3



Section B-B
Sheet 2



Lifting Insert & Roughened Surface Plan



Additional Reinforcing Detail
Sheet 1

Vermont Agency of Transportation
RECEIVED
CK'D BY VHB OK'D BY JS
April 4, 2013
RESUBMIT YES Rejected
BY KMH DATE 04/11/13

SHOP DRAWING REVIEW
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VHB Vanasse Hangen Brustlin, Inc.
Job Number: 57550.00
Reviewed By: G.S. Goodrich
Date: 4-11-2013

SD Ireland PRECAST DIVISION

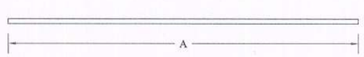
PROJECT NAME: JAMAICA	
PROJECT NUMBER: ER-BRF 013-1(16)	
PRECAST SUB-CAP PRODUCTION DRAWING SET	
DRAWING: REBAR SHEDULE & FORM LINER/LIFTING DEVICE PLAN	
DRAWN BY: CD	DATE: 04/02/13
APPROVED BY: TD	SHEET: 3 OF 4

Bar List - Horizontal Reinforcing

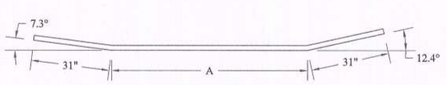
Mark	# Total	Length	Type	A	B	C	*
6A1	1	5'-6 1/4"	1	66 1/4"			
6A2	1	5'-5"	1	65"			
6A3	1	5'-9"	1	69"			
6A4	1	5'-7 3/4"	1	67 3/4"			
6A5	1	5'-6 1/2"	1	66 1/2"			
6A6	1	5'-5 1/4"	1	65 1/4"			
6A7	1	5'-9 1/2"	1	69 1/2"			
6A8	1	16'-2"	1	194"			
6A9	2	15'-8 1/2"	1	188 1/2"			
6A10	1	15'-3 1/4"	1	183 1/4"			
6A11	1	14'-9 3/4"	1	177 3/4"			
6A12	2	14'-4 1/2"	1	172 1/2"			
6A13	7	23'-8 1/2"	1	284 5/8"			
6A14	1	28'-2 1/4"	1	338 1/4"			
6A15	1	27'-10 1/4"	1	334 1/4"			
6A16	1	27'-11 1/2"	1	335 1/2"			
6A17	1	28'-0 3/4"	1	336 3/4"			
6A18	1	28'-2"	1	338"			
6A19	1	27'-10"	1	334"			
6A20	1	27'-11 1/4"	1	335 1/4"			
6A21	8	7'-2 1/4"	3	74 1/2"	6"	6"	
7A1	2	24'-3 3/4"	1	291 1/2"			
7A2	2	15'-10 3/4"	1	190 5/8"			
6B1	1	12'-3 3/4"	1	147 3/4"			
6B2	1	12'-2 1/2"	1	146 1/2"			
6B3	1	12'-6 3/4"	1	150 3/4"			
6B4	1	12'-5 1/2"	1	149 1/2"			
6B5	1	12'-4"	1	148"			
6B6	1	12'-2 3/4"	1	146 3/4"			
6B7	1	12'-7"	1	151"			
6B8	1	12'-4 1/2"	1	148 1/2"			
6B9	1	12'-0 1/2"	1	144 1/2"			
6B10	1	12'-1 3/4"	1	145 3/4"			
6B11	1	12'-3"	1	147"			
6B12	1	12'-4 1/4"	1	148 1/4"			
6B13	1	12'-0 1/4"	1	144 1/4"			
6B14	1	12'-1 1/2"	1	145 1/2"			
6B15	2	11'-8 1/2"	2a	78 1/2"			
6B16	1	12'-0 1/2"	2b	18 3/4"	24 1/2"	35"	
6B17	1	12'-0 1/2"	2b	10 3/4"	48 3/4"	18 3/4"	
6B18	1	12'-0 1/2"	2b	12 1/4"	54"	12 1/4"	
6B19	1	12'-0 1/2"	2b	19"	48 3/4"	10 1/2"	
6B20	1	12'-0 1/2"	2b	35 1/4"	24 1/2"	18 1/2"	

Bar List - Vertical Reinforcing

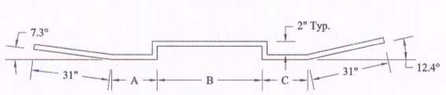
Mark	# Total	Length	Type	A	B	C	*
6C1	126	20'-0"	3	50"	95"	95"	
6C2	2	14'-7"	3	50"	95"	30"	
6C3	2	6'-7 1/2"	3	17 1/2"	31"	31"	
6C4	2	6'-0 1/2"	3	10 1/2"	31"	31"	
6C5	2	5'-11 1/4"	3	9 1/4"	31"	31"	
6C6	2	6'-0"	3	10"	31"	31"	
6C7	2	6'-2 1/2"	3	12 1/2"	31"	31"	
6C8	2	6'-6 1/2"	3	16 1/2"	31"	31"	
6C9	2	7'-0 1/2"	3	22 1/2"	31"	31"	
6C10	2	8'-1"	3	35"	31"	31"	
6C11	1	6'-8"	3	18"	31"	31"	
6C12	1	8'-7 1/4"	3	41 1/4"	31"	31"	
6C13	1	10'-3 1/4"	3	61 1/4"	31"	31"	



Type 1



Type 2a



Type 2b

Bar List - Vertical Reinforcing

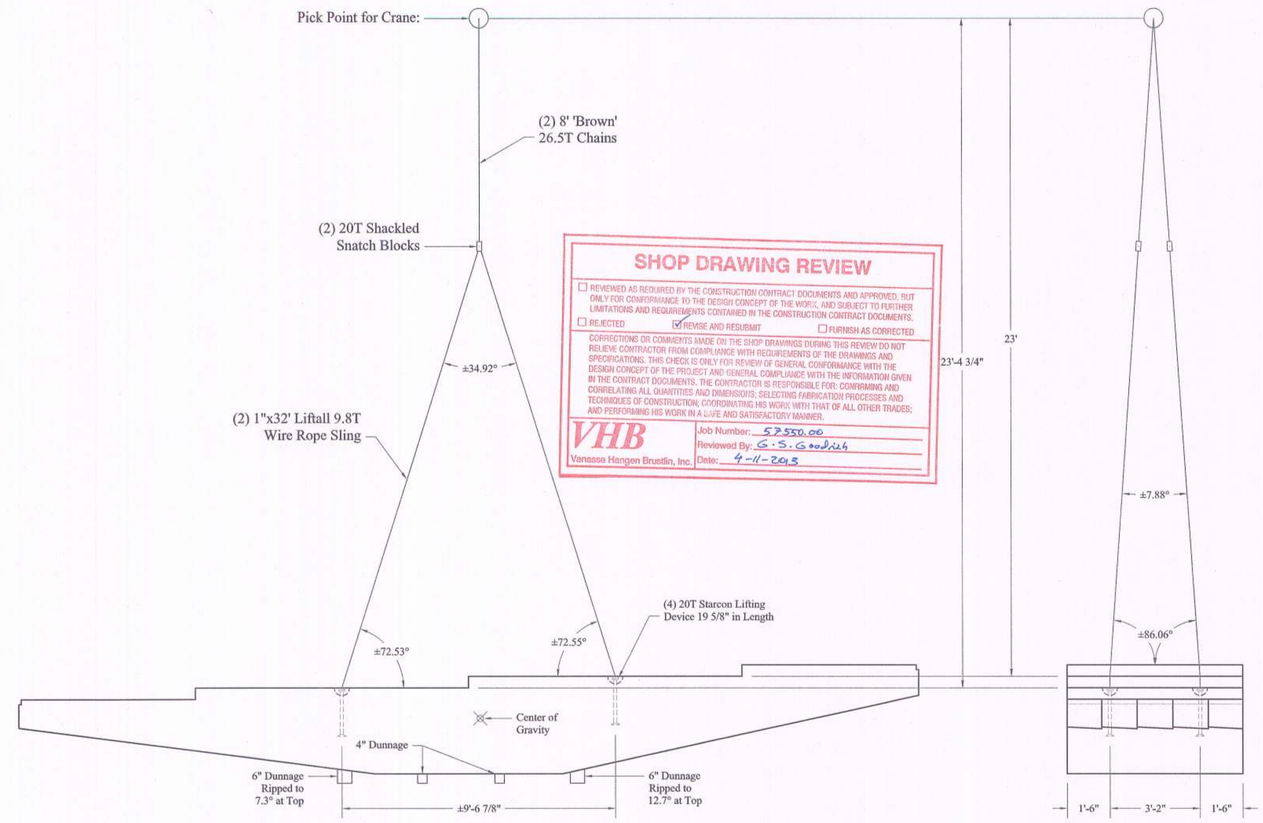
Mark	# Total	Length	Type	A	B	C	*
6D1	1	8'-7 1/4"	4	74 1/4"	8 1/2"	8 1/2"	
6D2	1	8'-9 1/4"	4	74 1/4"	9 1/2"	9 1/2"	
6D3	1	8'-11 1/4"	4	74 1/4"	10 1/2"	10 1/2"	
6D4	1	9'-1 1/2"	4	74 1/4"	11 5/8"	11 5/8"	
6D5	1	9'-2 1/2"	4	74 1/4"	12 1/8"	12 1/8"	
6D6	1	9'-3 3/4"	4	74 1/4"	12 3/4"	12 3/4"	
6D7	1	9'-5"	4	74 1/4"	13 3/8"	13 3/8"	
6D8	1	9'-6 1/4"	4	74 1/4"	14"	14"	
6D9	1	9'-7 3/4"	4	74 1/4"	14 3/4"	14 3/4"	
6D10	1	9'-9 1/4"	4	74 1/4"	15 1/2"	15 1/2"	
6D11	1	9'-10 3/4"	4	74 1/4"	16 1/4"	16 1/4"	
6D12	1	10'-0 1/4"	4	74 1/4"	17"	17"	
6D13	1	10'-11 1/4"	4	74 1/4"	22 1/2"	22 1/2"	
6D14	1	11'-1"	4	74 1/4"	23 3/8"	23 3/8"	
6D15	2	11'-2 1/2"	4	74 1/4"	24 1/8"	24 1/8"	
6D16	1	11'-4"	4	74 1/4"	24 7/8"	24 7/8"	
6D17	1	11'-5 1/2"	4	74 1/4"	25 5/8"	25 5/8"	
6D18	1	11'-6 3/4"	4	74 1/4"	26 1/4"	26 1/4"	
6D19	1	11'-7 3/4"	4	74 1/4"	26 3/4"	26 3/4"	
6D20	1	11'-9"	4	74 1/4"	27 3/8"	27 3/8"	
6D21	1	11'-10 1/4"	4	74 1/4"	28"	28"	
6D22	1	12'-0 1/4"	4	74 1/4"	29"	29"	
6D23	1	12'-2 1/2"	4	74 1/4"	30 1/8"	30 1/8"	
6D24	1	12'-4 1/2"	4	74 1/4"	31 1/8"	31 1/8"	
6D25	1	12'-5 1/4"	4	74 1/4"	31 1/2"	31 1/2"	
6D26	3	12'-6 1/4"	4	74 1/4"	32"	32"	
6D29	6	12'-2 1/4"	4	74 1/4"	30"	30"	
6D36	2	12'-11 3/4"	4	74 1/4"	34 3/4"	34 3/4"	
6D37	3	13'-3 3/4"	4	74 1/4"	36 3/4"	36 3/4"	
6D40	1	13'-2 3/4"	4	74 1/4"	36 1/4"	36 1/4"	
6D41	1	13'-1 1/4"	4	74 1/4"	35 1/2"	35 1/2"	
6D42	1	12'-9 1/4"	4	74 1/4"	33 1/2"	33 1/2"	
6D43	1	12'-5 3/4"	4	74 1/4"	31 3/4"	31 3/4"	
6D44	1	12'-2"	4	74 1/4"	29 7/8"	29 7/8"	
6D45	1	12'-0"	4	74 1/4"	28 7/8"	28 7/8"	
6D46	1	11'-10"	4	74 1/4"	27 7/8"	27 7/8"	
6D47	1	11'-8"	4	74 1/4"	26 7/8"	26 7/8"	
6D48	1	11'-6"	4	74 1/4"	25 7/8"	25 7/8"	
6D49	1	11'-3 1/2"	4	74 1/4"	24 5/8"	24 5/8"	
6D50	1	11'-0 3/4"	4	74 1/4"	23 1/4"	23 1/4"	
6D51	1	10'-10 1/4"	4	74 1/4"	22"	22"	
6D52	1	10'-7 1/2"	4	74 1/4"	20 5/8"	20 5/8"	
6D54	1	11'-0"	4	74 1/4"	22 7/8"	22 7/8"	
6D55	1	10'-9 1/4"	4	74 1/4"	21 1/2"	21 1/2"	
6D56	1	10'-6 3/4"	4	74 1/4"	20 1/4"	20 1/4"	
6D57	1	10'-4"	4	74 1/4"	18 7/8"	18 7/8"	
6D58	1	10'-2"	4	74 1/4"	17 7/8"	17 7/8"	
6D59	1	10'-0"	4	74 1/4"	16 7/8"	16 7/8"	
6D60	1	9'-10 1/4"	4	74 1/4"	16"	16"	
6D61	1	9'-8 1/4"	4	74 1/4"	15"	15"	
6D62	1	9'-4 1/4"	4	74 1/4"	13 1/8"	13 1/8"	
6D63	1	9'-1"	4	74 1/4"	11 3/8"	11 3/8"	
6D64	1	8'-9 1/2"	4	74 1/4"	9 5/8"	9 5/8"	

Bar List - Ties

Mark	# Total	Length	Type	A	B	C	*
4F1	30	3'-4"	7	10"	6"	8"	

Bar List - Dowel Bar Subs

Mark	# Total	Length	Type	A	B	C	*
4G1	12	2'-3"	5	27"	---		



Elevation View

End View

SHOP DRAWING REVIEW

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VHB Vanasse Hangen Brustlin, Inc.

Job Number: 52550.00
Reviewed By: G.S. Goodrich
Date: 4-11-2013

Bar List - Hairpins

Mark	# Total	Length	Type	A	*
6E1	2	1-11 1/2"	6	8 1/2"	
6E2	4	2'-0 1/2"	6	9 1/2"	
6E3	4	2'-1 1/2"	6	10 1/2"	
6E4	2	2'-2 5/8"	6	11 5/8"	
6E5	2	2'-3 1/8"	6	12 1/8"	
6E6	2	2'-3 3/4"	6	12 3/4"	
6E7	2	2'-4 3/8"	6	13 3/8"	
6E8	2	2'-5"	6	14"	
6E9	2	2'-5 3/4"	6	14 3/4"	
6E10	2	2'-6 1/2"	6	15 1/2"	
6E11	2	2'-7 1/4"	6	16 1/4"	
6E12	2	2'-8"	6	17"	
6E13	2	3'-1 1/2"	6	22 1/2"	
6E14	2	3'-2 3/8"	6	23 3/8"	

Bar List - Hairpins

Mark	# Total	Length	Type	A	*
6E15	4	3'-3 1/8"	6	24 1/8"	
6E16	2	3'-3 7/8"	6	24 7/8"	
6E17	2	3'-4 5/8"	6	25 5/8"	
6E18	2	3'-5 1/4"	6	26 1/4"	
6E19	2	3'-5 3/4"	6	26 3/4"	
6E20	2	3'-6 3/8"	6	27 3/8"	
6E21	2	3'-7"	6	28"	
6E22	4	3'-8"	6	29"	
6E23	4	3'-9 1/8"	6	30 1/8"	
6E24	2	3'-10 1/8"	6	31 1/8"	
6E25	2	3'-10 1/2"	6	31 1/2"	
6E26	6	3'-11"	6	32"	
6E29	8	3'-9"	6	30"	
6E36	8	4'-1 3/4"	6	34 3/4"	

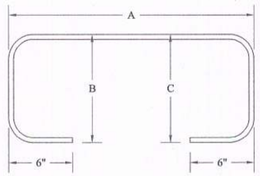
Bar List - Hairpins

Mark	# Total	Length	Type	A	*
6E37	6	4'-3 3/4"	6	36 3/4"	
6E40	2	4'-3 1/4"	6	36 1/4"	
6E41	2	4'-2 1/2"	6	35 1/2"	
6E42	4	4'-0 1/2"	6	33 1/2"	
6E43	4	3'-10 3/4"	6	31 3/4"	
6E44	2	3'-8 7/8"	6	29 7/8"	
6E45	2	3'-7 7/8"	6	28 7/8"	
6E46	2	3'-6 7/8"	6	27 7/8"	
6E47	2	3'-5 7/8"	6	26 7/8"	
6E48	2	3'-4 7/8"	6	25 7/8"	
6E49	2	3'-3 5/8"	6	24 5/8"	
6E50	2	3'-2 1/4"	6	23 1/4"	
6E51	2	3'-1"	6	22"	
6E52	2	2'-11 5/8"	6	20 5/8"	

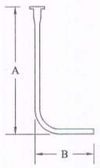
Bar List - Hairpins

Mark	# Total	Length	Type	A	*
6E54	2	3'-1 7/8"	6	22 7/8"	
6E55	2	3'-0 1/2"	6	21 1/2"	
6E56	2	2'-11 1/4"	6	20 1/4"	
6E57	2	2'-9 7/8"	6	18 7/8"	
6E58	2	2'-8 7/8"	6	17 7/8"	
6E59	2	2'-7 7/8"	6	16 7/8"	
6E60	2	2'-7"	6	16"	
6E61	2	2'-6"	6	15"	
6E62	4	2'-4 1/8"	6	13 1/8"	
6E63	4	2'-2 3/8"	6	11 3/8"	
6E64	2	2'-0 5/8"	6	9 5/8"	

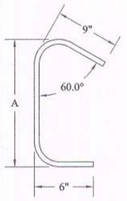
Type 3



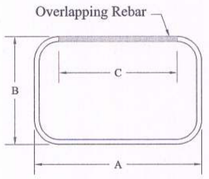
Type 4



Type 5



Type 6



Type 7

Notes:
Rebar Tolerance: +0" -1/4"

Vermont Agency of Transportation
RECEIVED
CK'D BY VHB OK'D BY JS
April 4, 2013
RESUBMIT YES Rejected
BY KMH DATE 04/11/13

SD Ireland PRECAST DIVISION

PROJECT NAME: JAMAICA	
PROJECT NUMBER: ER-BRF 013-1(16)	
PRECAST SUB-CAP PRODUCTION DRAWING SET	
DRAWING: REBAR SHEDULE & LIFTING/HANDLING NOTES	
DRAWN BY: CD	DATE: 04/02/13
APPROVED BY: TD	SHEET: 4 OF 4