



S.D. Ireland Companies *Precast Division*



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p: 802-863-6222 f: 802-860-1528

www.sdireland.com

Attention: Brian Emmons
Company: T-Buck
Address:
City, St, Zip:

Date: 2/20/2013
Job Name: Jamaica ER-BRF 013-1(16)
Job Number: SDI 13251
Regarding: Precast Sub Cap Re-submittal

WE ARE SENDING: Quote Details Other: _____
 Submittals Prints Plans Specifications
 Copy Of Letter Change Order Samples Revised Submittals

Copies	Date	Pages	Description
1	2/21/2013	1	Transmittal Cover, with re-submittal clarifications indicated.
1	2/21/2013	4	Fabrication details, submittal pages
1	2/21/2013	1	Coil inserts to assist forming of CIP cap atop sub-cap
	2/21/2013		All previously provided supporting items remain as is, and are not re-submitted on.

These Are Submitted as Checked Below:

For Approval Approved as Submitted Resubmit __ Copies for Approval
 For Your Use Approved as Noted Submit __ Copies for Distribution
 As Requested Returned for Corrections Return __ Corrected Prints
 For Review and Comment Prints Returned After Loan to Us

Notes/Remarks:

1. Post Tensioning (PT): All sheets. T-Buck's PT contractor has forwarded their material details to SDI, which are shown on attached dwgs. T-Buck will forward PT materials under a separate submittal.
 2. PT anchor plates are to be 9-1/2" x 5" x 2" as indicated, and supplied by PT contractor.
 3. Sheet 1, Sub Cap length changed to 34'-6".
 4. Sheet 1, Sleeve Legend & Coordinates corrections on mark 2X, 5X, 8X & 11X indicated
 5. Sheet 1, Concrete strength called out as requested.
 6. Sheet 1, Type of reinforcing called out, sheet 2, notes, #3
 7. Sheet 2; 31" minimum lap length called out
 8. Sheet 2; Bar mark 4G1 clarified on sheet 4
 9. Sheet 2; Bar mark B:6F22 and C:6F22 clarified as B:6E22 and C:6E22 on sheet 2 and 4
 10. Sheet 3; Center bar spacing corrected, 1"x1" chamfer called out, alignment of PT duct called out, and Wedge Plate Detail clarified.
 11. Sheet 4; Bar List-Horizontal reinforcing 6A13, 7A2, A dimensions and Bar List-Vertical reinforcing 6C2-C and 6D23, 6D48-49, 6D52-58 lengths clarified.
- All previously provided supporting documents remain the same and have not been re-submitted on.

[Tim Dudley 1-802-658-0201 ext 253](mailto:Tim.Dudley@sdireland.com)

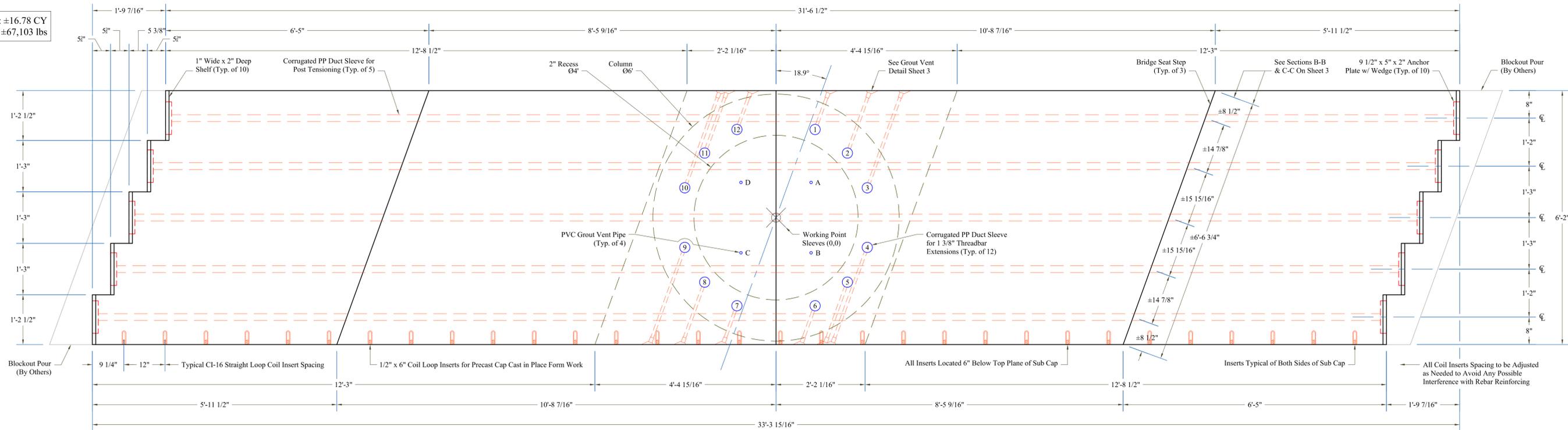
tdudley@sdireland.com

Copy To: _____

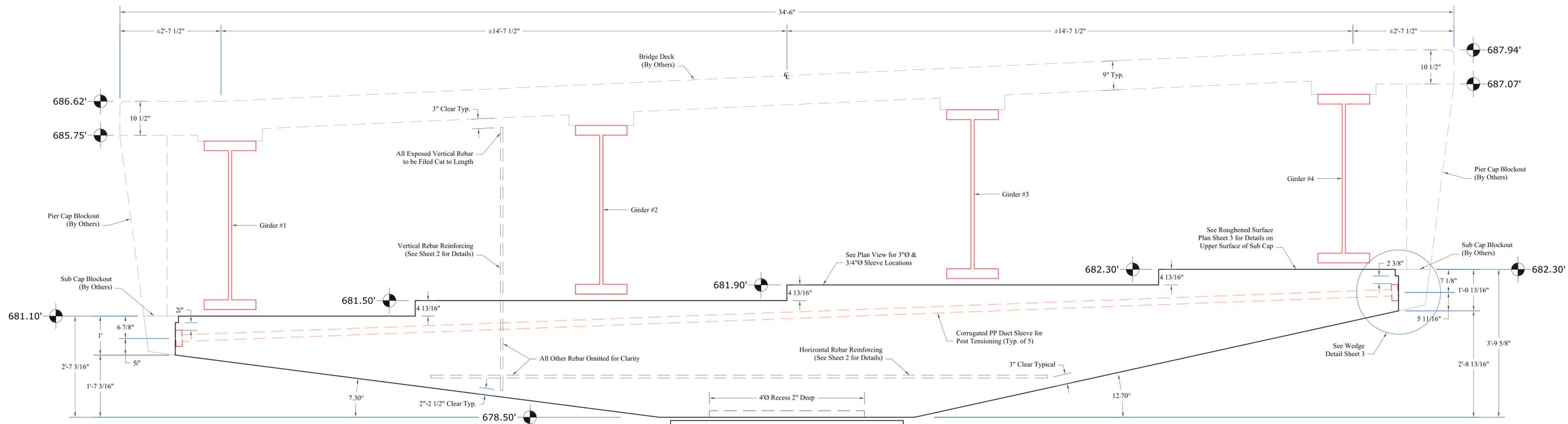
Signed: _____

If enclosures are not as noted, kindly notify us at once.

Volume: ±16.78 CY
Weight: ±67,103 lbs



Plan View



Elevation View at \mathcal{C}

Sleeve Legend & Coordinates

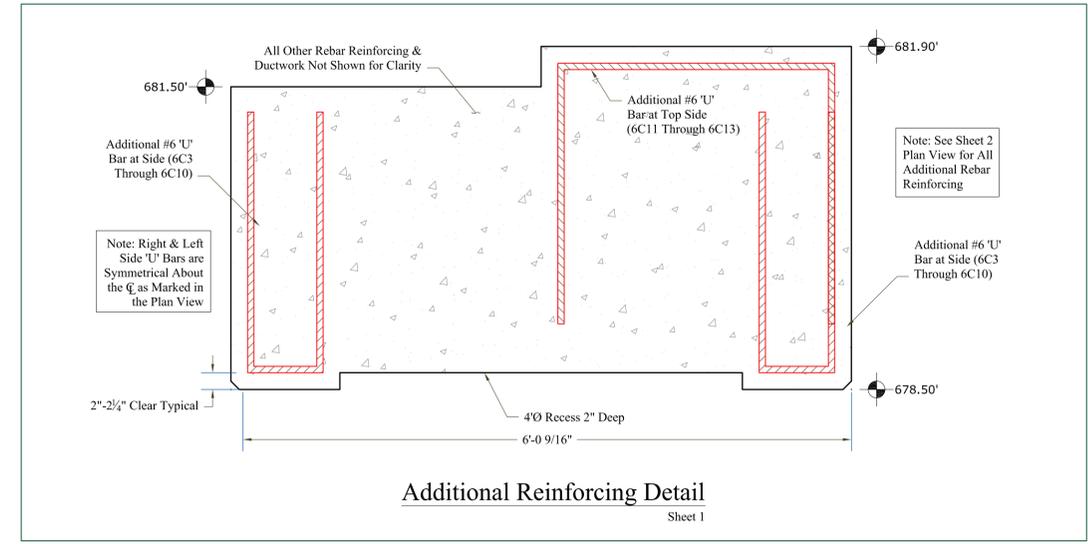
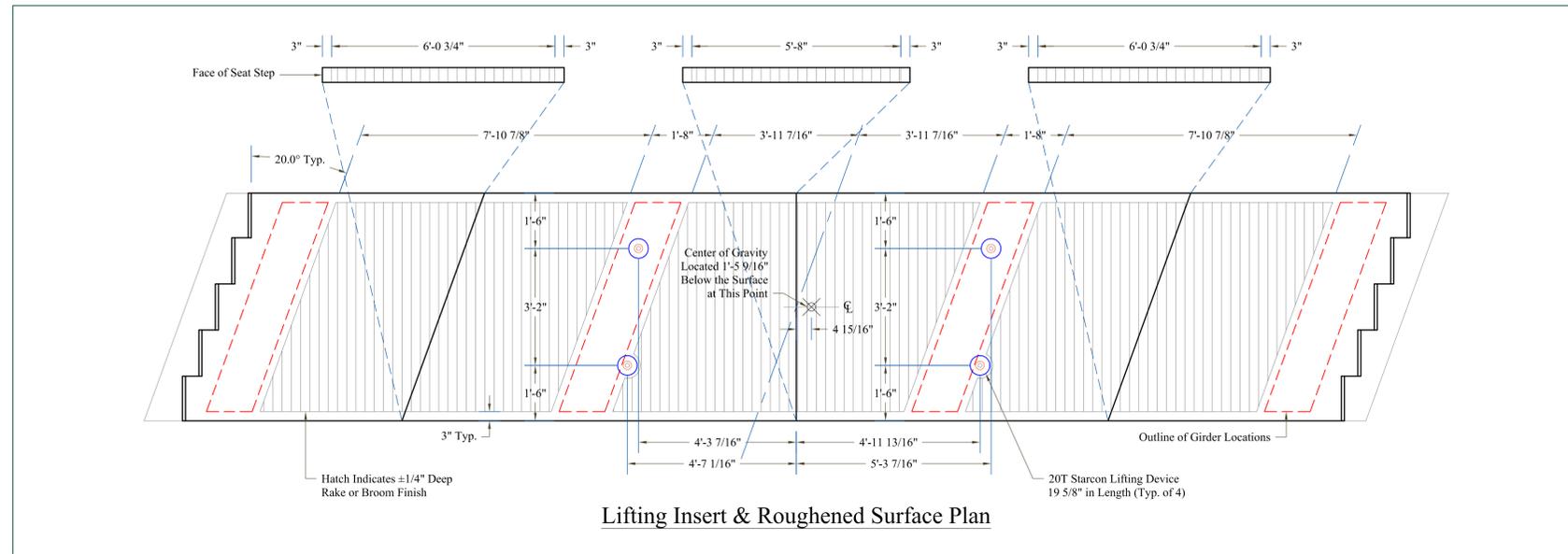
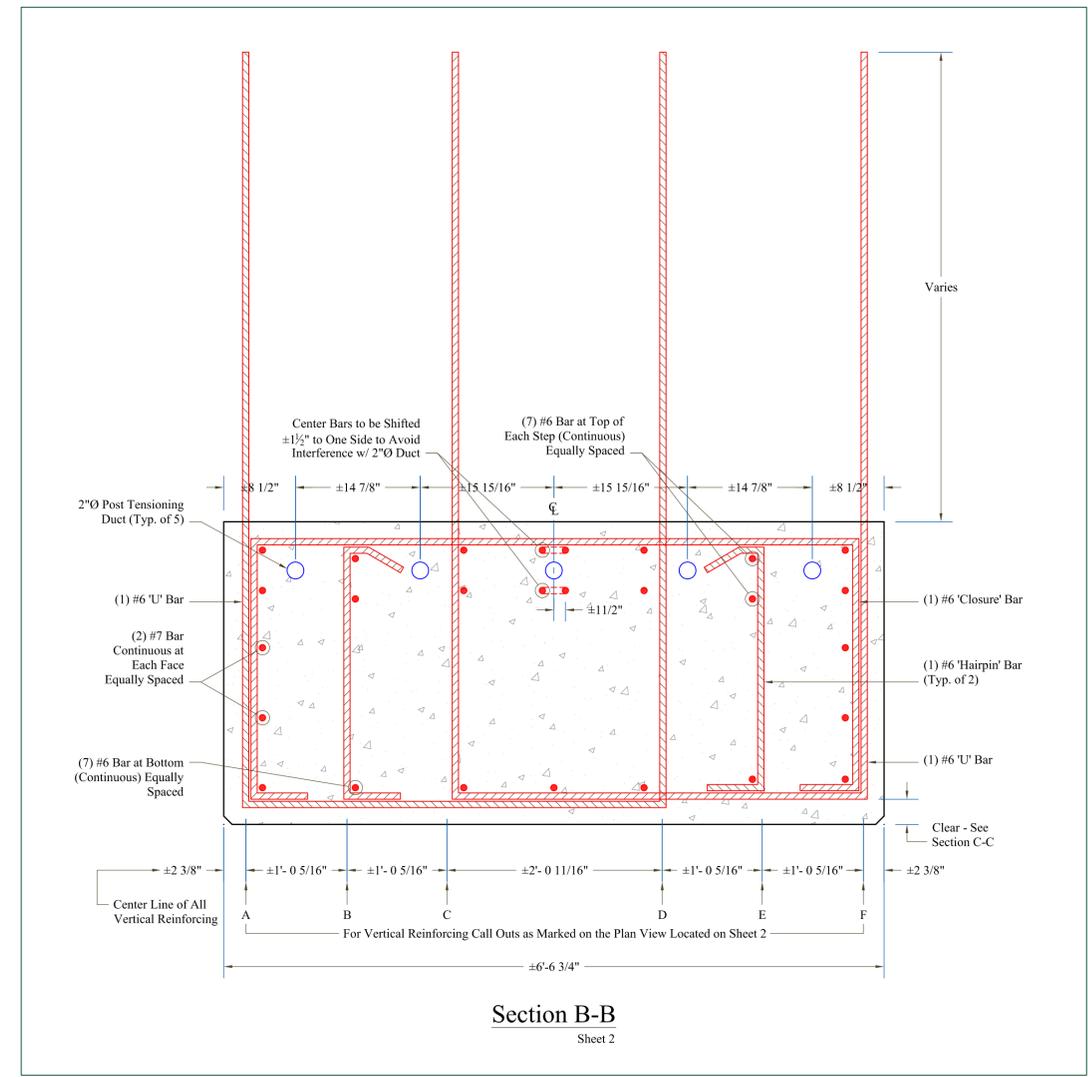
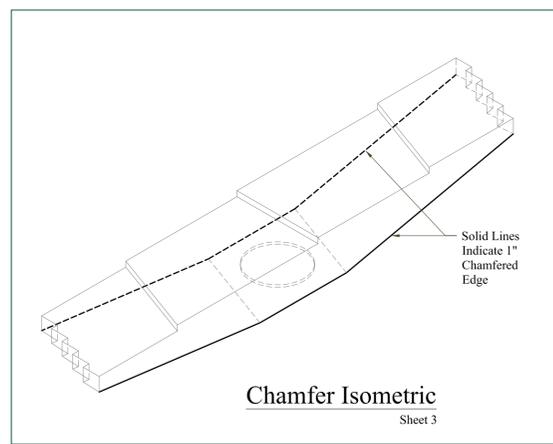
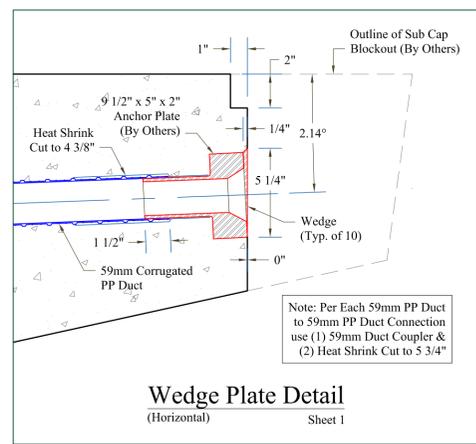
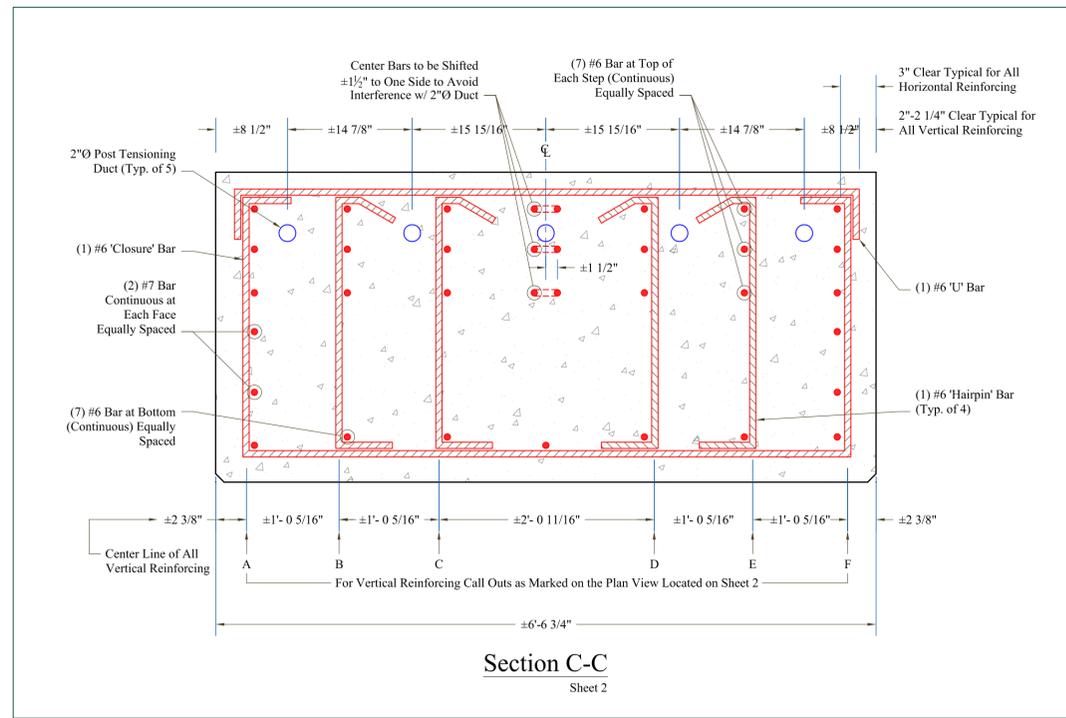
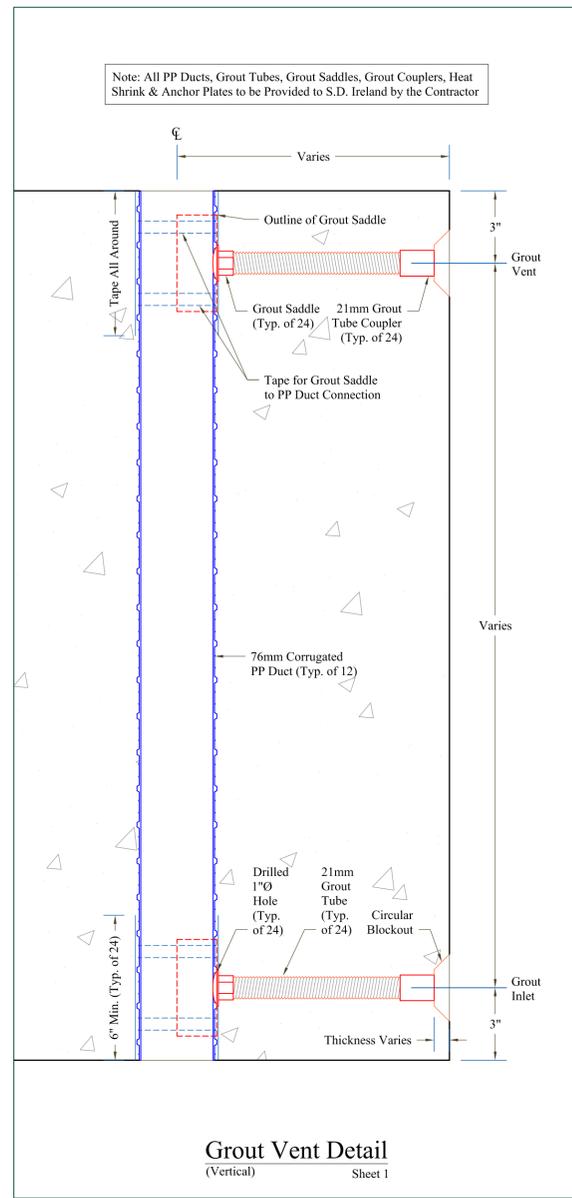
Mark	Ø	X	Y	Mark	Ø	X	Y	Mark	Ø	X	Y
1	3"	11 7/16"	2'-1 11/16"	7	3"	-11 7/16"	-2'-1 11/16"	A	3/4"	10 1/4"	10 1/4"
2	3"	1'-8 7/8"	1'-6 13/16"	8	3"	-1'-8 7/8"	-1'-6 13/16"	B	3/4"	10 1/4"	-10 1/4"
3	3"	2'-2 11/16"	8 11/16"	9	3"	-2'-2 11/16"	-8 11/16"	C	3/4"	-10 1/4"	-10 1/4"
4	3"	2'-2 11/16"	-8 11/16"	10	3"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

General Notes:

- All Concrete Shall Have a Minimum 28 Days Compressive Strength of 6,000 PSI SCC Mix
- All Reinforcing Rebar to be Level II Bar that is Dual Coated by the Manufacturer

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: 02/20/13
APPROVED BY: TD	SHEET: 1 OF 4





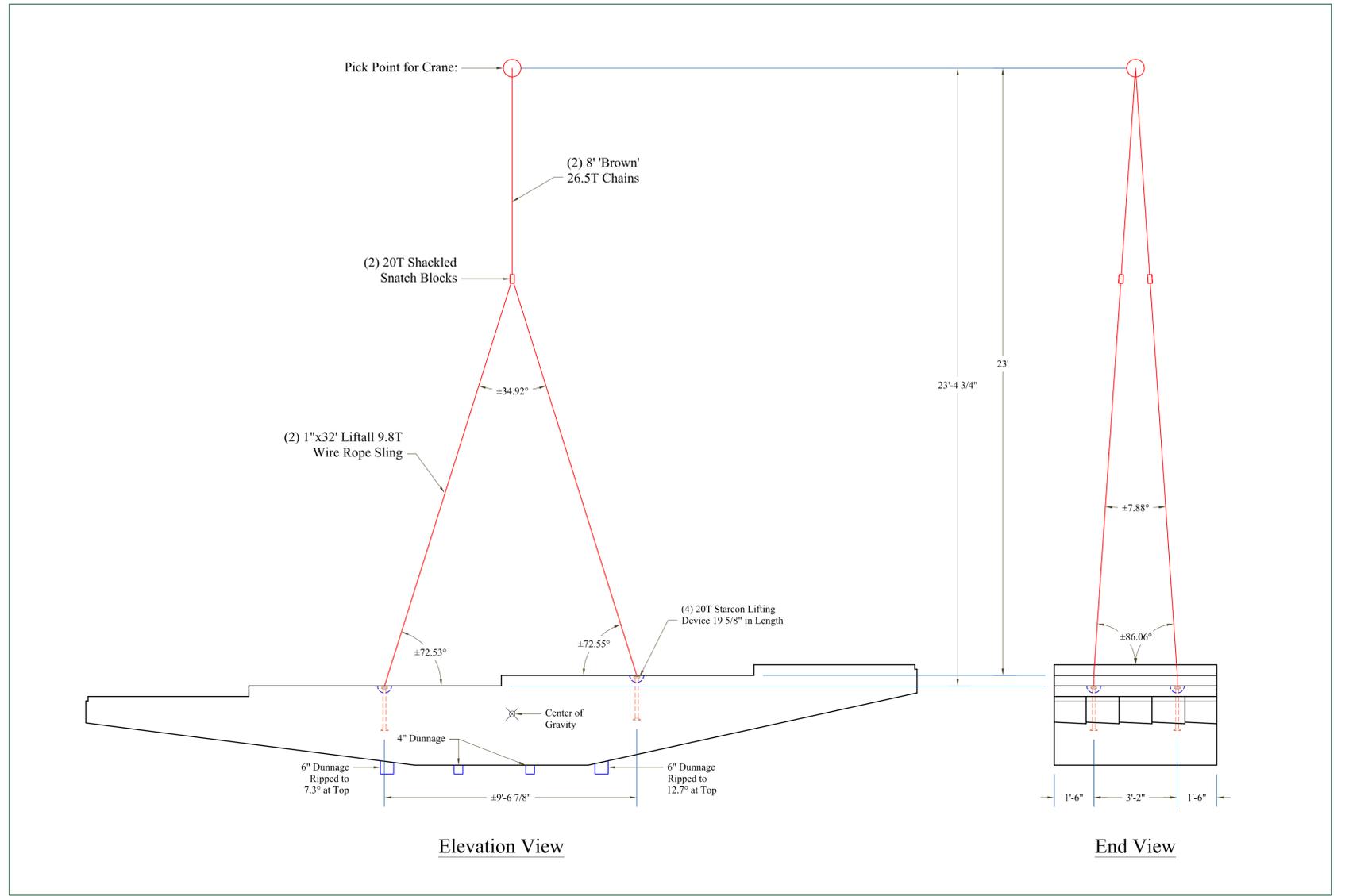
PROJECT NAME: JAMAICA	
PROJECT NUMBER: ER-BRF 013-1(16)	
PRECAST SUB-CAP PRODUCTION DRAWING SET	
DRAWING: REBAR SCHEDULE & FORM LINER/LIFTING DEVICE PLAN	
DRAWN BY: CD	DATE: 02/20/13
APPROVED BY: TD	SHEET: 3 OF 4

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	*
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 - 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"	

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

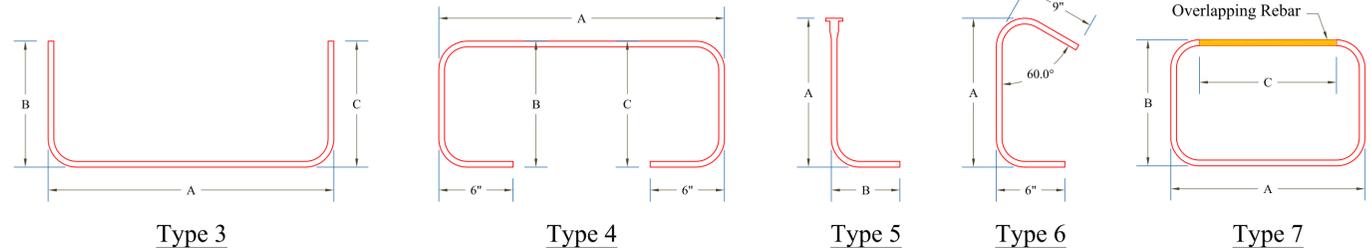
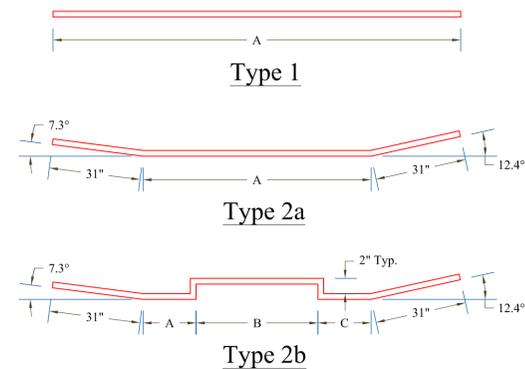
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6E54	2	3'-1 7/8"	6	22 7/8"	
6E55	2	3'-0 1/2"	6	21 1/2"	
6E56	2	2'-11 1/4"	6	20 1/4"	
6E57	2	2'-9 7/8"	6	18 7/8"	
6E58	2	2'-8 7/8"	6	17 7/8"	
6E59	2	2'-7 7/8"	6	16 7/8"	
6E60	2	2'-7"	6	16"	
6E61	2	2'-6"	6	15"	
6E62	4	2'-4 1/8"	6	13 1/8"	
6E63	4	2'-2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

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"	---	---	

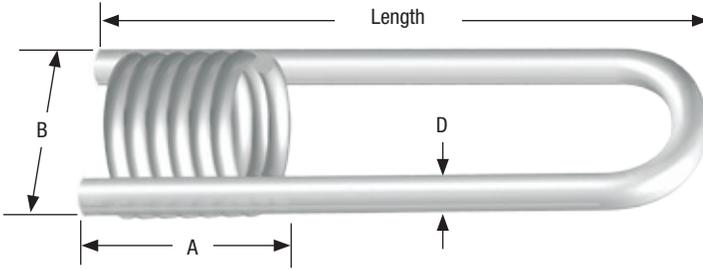


Notes:
Rebar Tolerance: +0" -1/4"



PROJECT NAME: JAMAICA	
PROJECT NUMBER: ER-BRF 013-1(16)	
PRECAST SUB-CAP PRODUCTION DRAWING SET	
DRAWING: REBAR SCHEDULE & LIFTING/HANDLING NOTES	
DRAWN BY: CD	DATE: 02/20/13
APPROVED BY: TD	SHEET: 4 OF 4

CI-16: STRAIGHT LOOP COIL INSERT



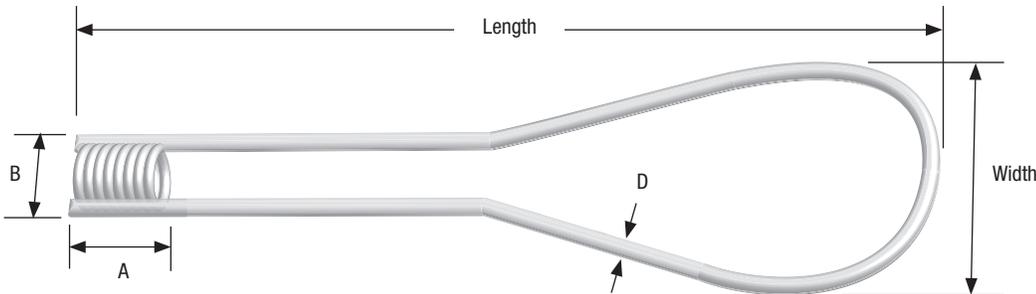
With its simple design and fabrication, the Straight Loop Coil Insert is highly efficient for use as a bolted connection. Available in plated finish.

STRAIGHT LOOP COIL INSERT DIMENSIONS AND LOAD CHART

Part Number	Bolt Diameter	Length	B	A	D Wire Diameter	Insert Ultimate Mechanical Load Tension (lbs)	In-Concrete Capacity
							4:1 Safe Working Load Tension (lbs)
CI16124P	1/2"	4"	1-3/16"	1-1/4"	.225"	9,000	2,250
CI16126P	1/2"	6"	1-3/8"	1-1/4"	.306"	14,400	3,600
CI16344P	3/4"	4"	1-11/16"	1-5/8"	.306"	15,000	3,750
CI16346P	3/4"	6"	1-7/8"	1-5/8"	.375"	18,000	4,500

- In concrete capacity is based on min. concrete strength of 3,000 psi and a 4:1 safety factor.
- Inserts must be set back 1/2" from concrete surface and have sufficient coil penetration by lifting bolt

CI-18: FLARED LOOP COIL INSERT



Flared Loop Coil Inserts are primarily used in basement stair applications with a 4" thick side-wall. Available in plated finish.

FLARED LOOP COIL INSERT DIMENSIONS AND LOAD CHART

Part Number	Bolt Diameter	Length	Width	A	B	D - Wire Diameter	Insert Ultimate Mechanical Load (lbs)
CI181212P	1/2"	12"	3-3/4"	1-5/8"	1-3/8"	.340"	12,800
CI183412P	3/4"	12"	3-3/4"	2-1/8"	1-7/8"	.375"	15,000
CI183412HP	3/4"	12"	3-3/4"	2-1/8"	2"	.440"	20,000

- In concrete capacity is based on min. concrete strength of 3,000 psi and a 4:1 safety factor.
- Inserts must be set back 1/2" from concrete surface and have sufficient coil penetration by lifting bolt