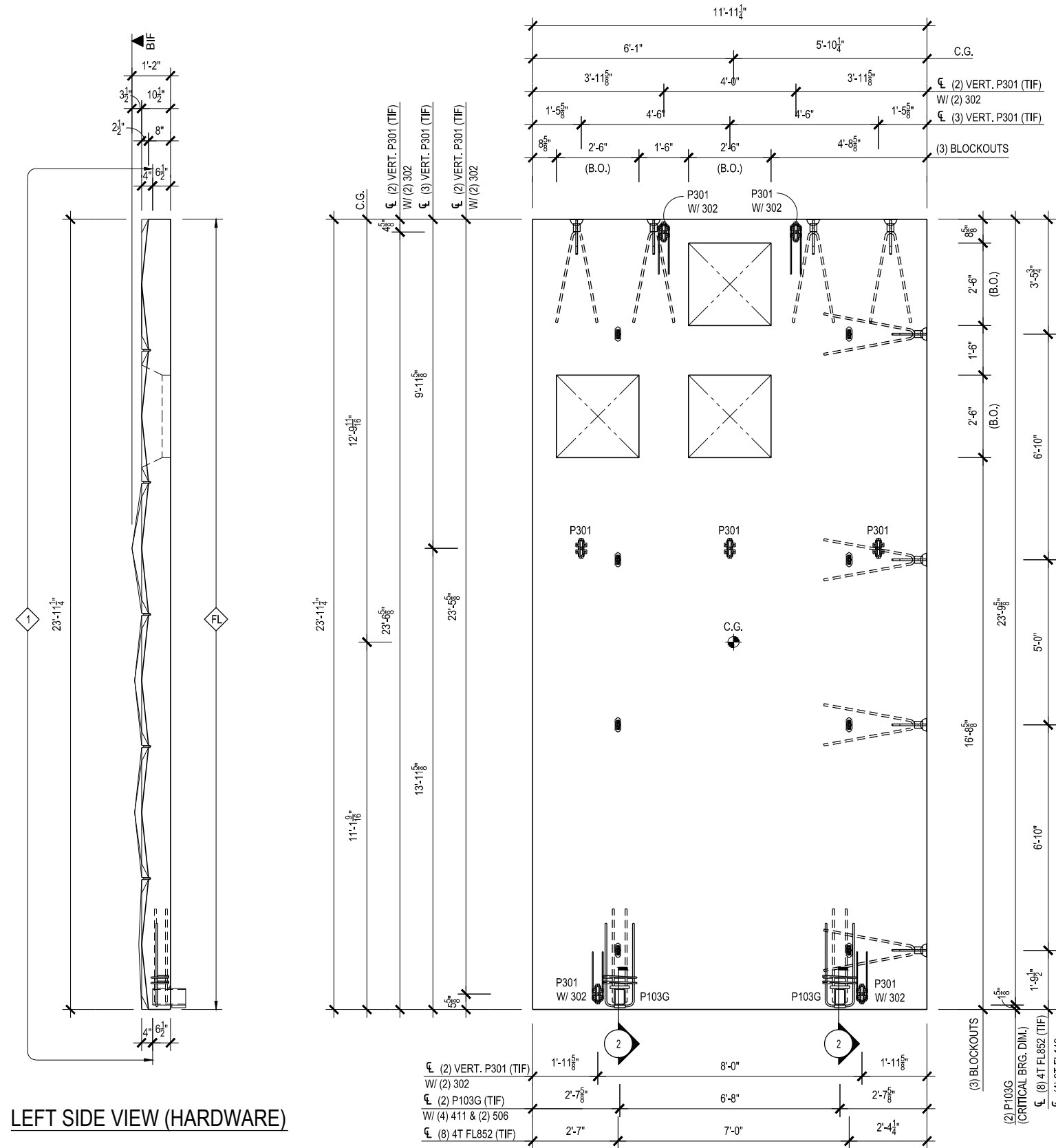


# BAR BUILDING

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PLEASE SEE SHEET 3 OF 3 FOR REINFORCING

LOOSE HARDWARE		
ITEM	QTY.	DESCRIPTION
L5G	2	L 4"x6"x $\frac{1}{2}$ "x0'-4" W/ (1) $\frac{1}{8}$ "Ø HOLE (GALV)
L6G	2	L 8"x8"x $\frac{1}{2}$ "x0'-6" W/ (1) $\frac{1}{8}$ "Øx3" SLOT & (1) $\frac{3}{8}$ " GUSSET (GALV)
L301	3	PSA 675 STRAP (J-FINISH)
L304G	4	$\frac{3}{4}$ "Ø STANDARD WASHER (GALV)
L306	2	1"x4"x4" STEEL SHIM STACK
L307G	4	$\frac{3}{4}$ "Øx2" A307 BOLT (GALV)

HARDWARE		
ITEM	QTY.	DESCRIPTION
P103G	2	HSS 4"x6"x $\frac{3}{8}$ "x1'-0" w/ (4) #6x2'-10" A706 BARS & (1) PL 1"x4"x0'-5" & (1) L 1"x1"x $\frac{1}{2}$ "x0'-7" (GALV)
P301	7	6035 PSA SLOTTED INSERT
4T FL852	8	4T P-94 T-ANCHOR
8T FL149	8	8T P-92-P ERECTION ANCHOR w/ TENSION BAR (601) & SHEAR PLATE

MODULE		
ITEM	QTY.	DESCRIPTION
M1	1	MODULE
M2	7	MODULE
M3	2	MODULE
M4	2	MODULE
M5	1	MODULE
M6	2	MODULE
M8	3	MODULE

**COLOR/FINISH**

FINISH #1 GPK-2465 SB-L

**APPROVED**  
By kakulova at 9:59 am, Jan 31, 2013

**TOP IN FORM FINISH**

FL FLOAT FINISH / GREY

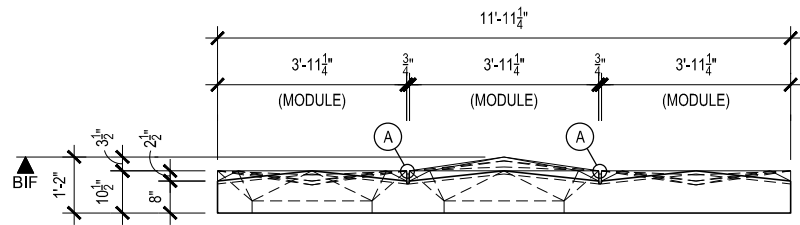
1. UNIT Wt. OF CONCRETE = 150 pcf  
 2. RELEASE CONCRETE STRENGTH = 3500 PSI  
 3. 28 DAY CONCRETE STRENGTH = 5000 PSI  
 4. REINFORCING STEEL-ASTM A615 GRADE 60  
 5. W.W.F. STFFI - ASTM A185

DRWN: DRA      CU. YD. 7.98  
 DATE: 1-24-13      WEIGHT: 32,351#  
 CHKR: DMG      SQ. FT.: 312  
 DATE: 1-30-13      JOB #: 13049

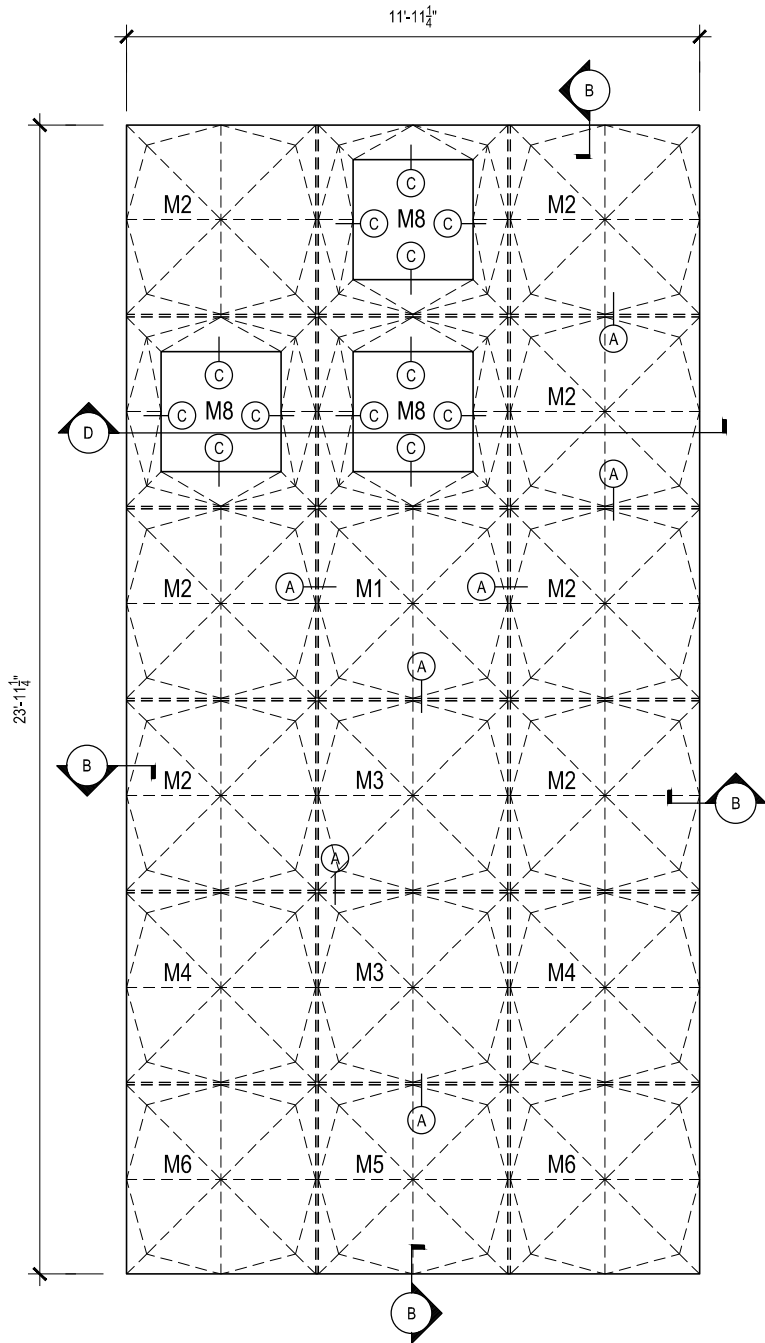
NO.	DATE:	DESCRIPTION
1		REVISIONS

QUANTITY      PIECE MARK  
 1      WP-14

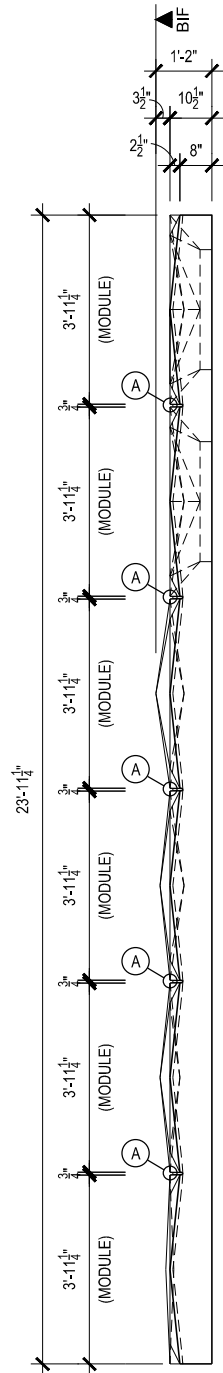
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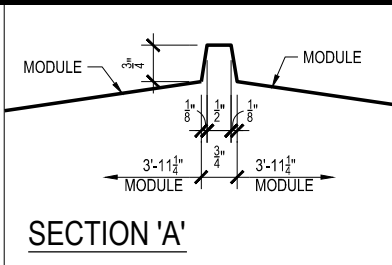
TOP VIEW  
(MODULE LAYOUT)



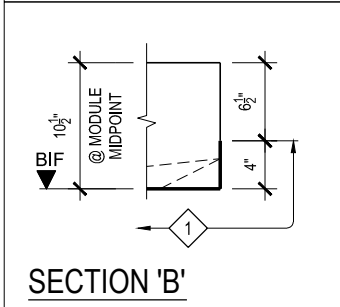
FORM VIEW  
(MODULE LAYOUT)



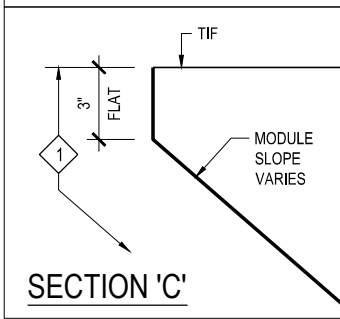
LEFT SIDE VIEW  
(MODULE LAYOUT)



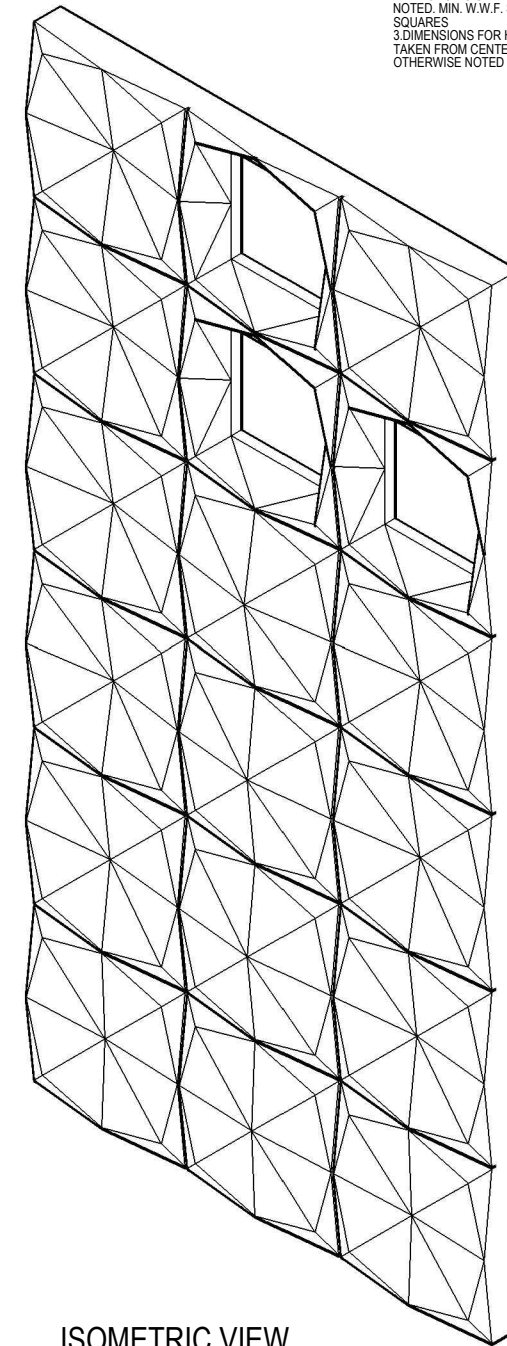
SECTION 'A'



SECTION 'B'



SECTION 'C'



ISOMETRIC VIEW

PRODUCTION NOTES  
1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED  
2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED, MIN. W.W.F. SPLICE TO BE 2 SQUARES  
3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

PLEASE SEE SHEET 3 OF 3  
FOR REINFORCING

NO.	DATE:	DESCRIPTION
REVISIONS		

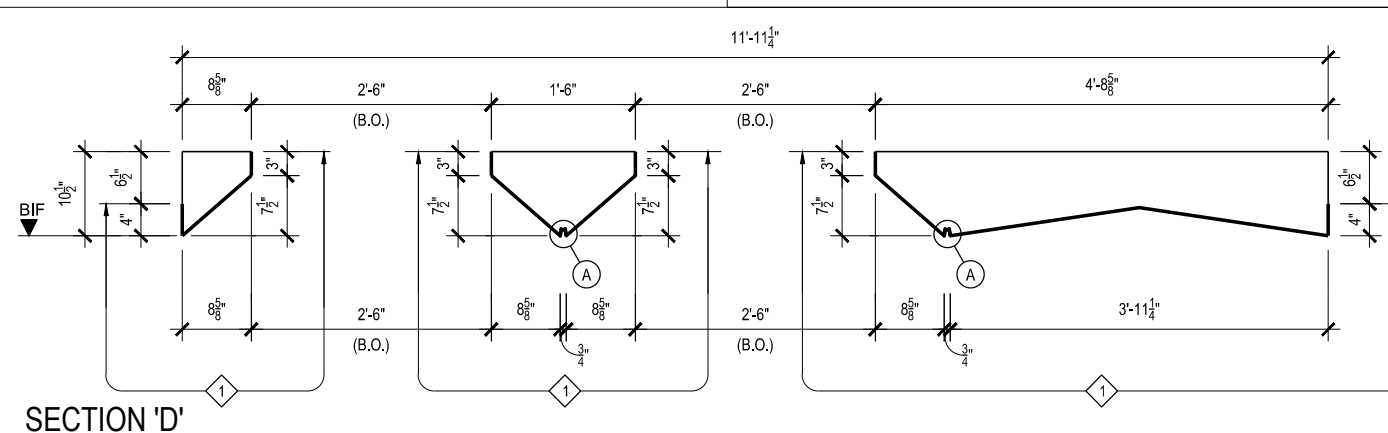
PLEASE SEE SHEET 1 OF 3  
FOR HARDWARE

**APPROVED**  
By kakulova at 9:59 am, Jan 31, 2013

PLEASE SEE SHEET 1 OF 3  
FOR FINISHES



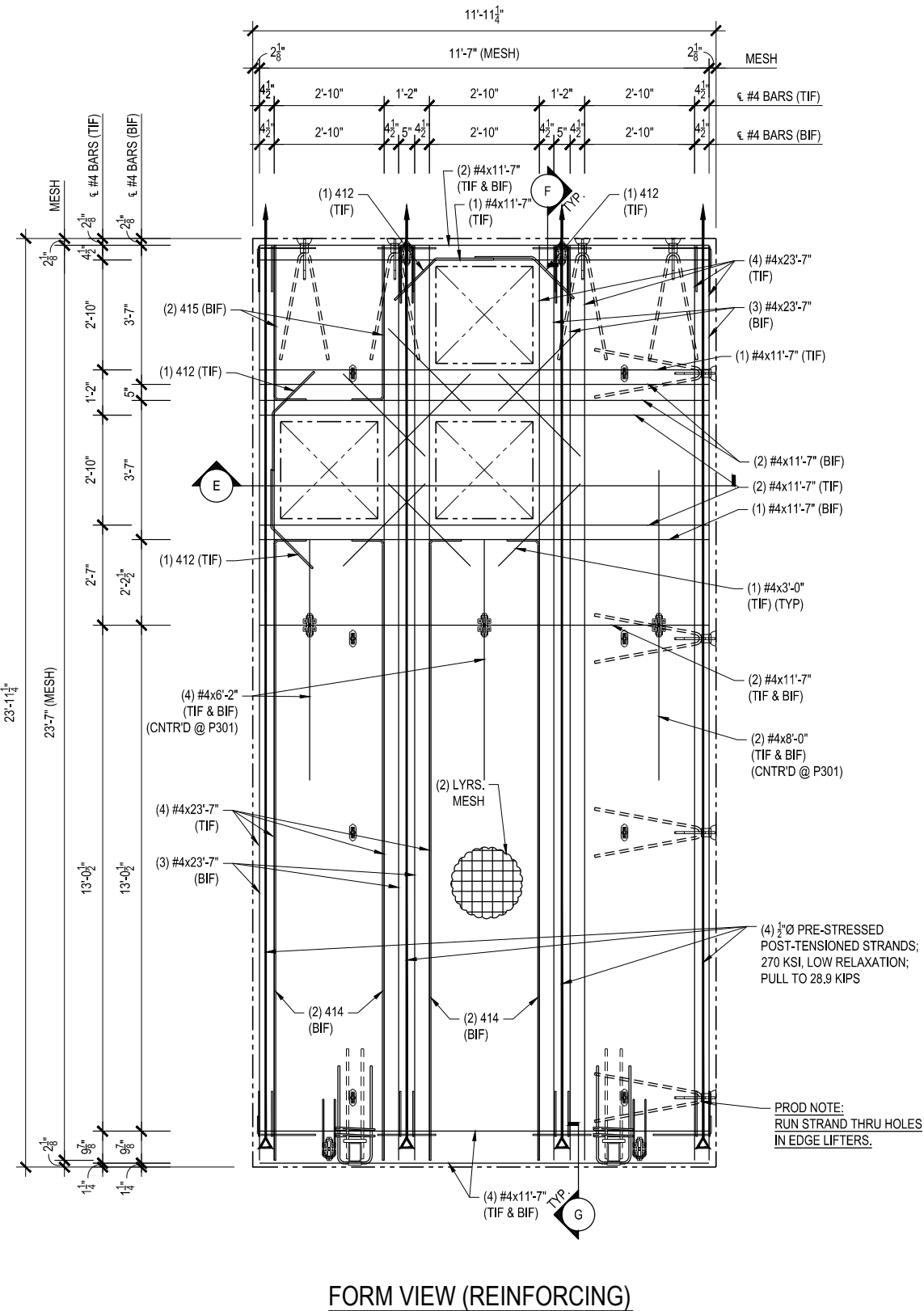
- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL - ASTM A185



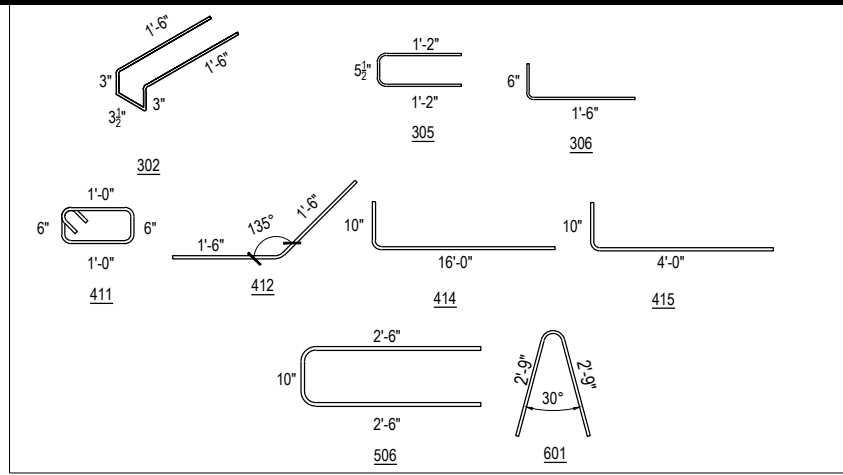
SECTION 'D'

DRWN: DRA	CU. YD.
DATE: 1-24-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 1-30-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-14

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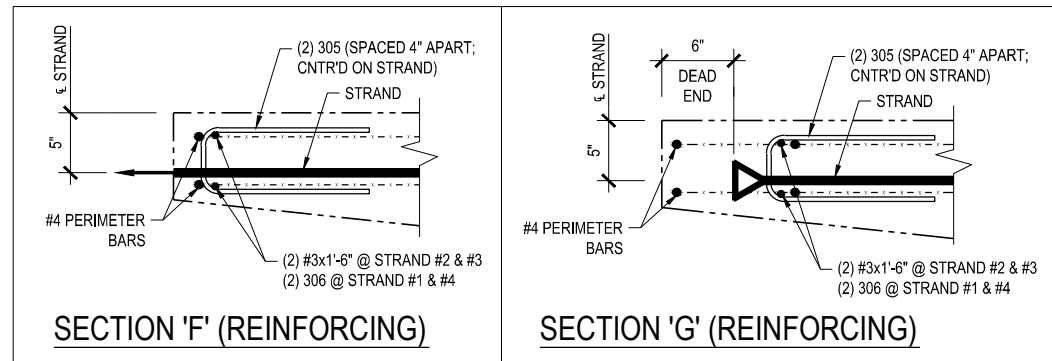
FORM VIEW (REINFORCING)



PRODUCTION NOTES  
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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

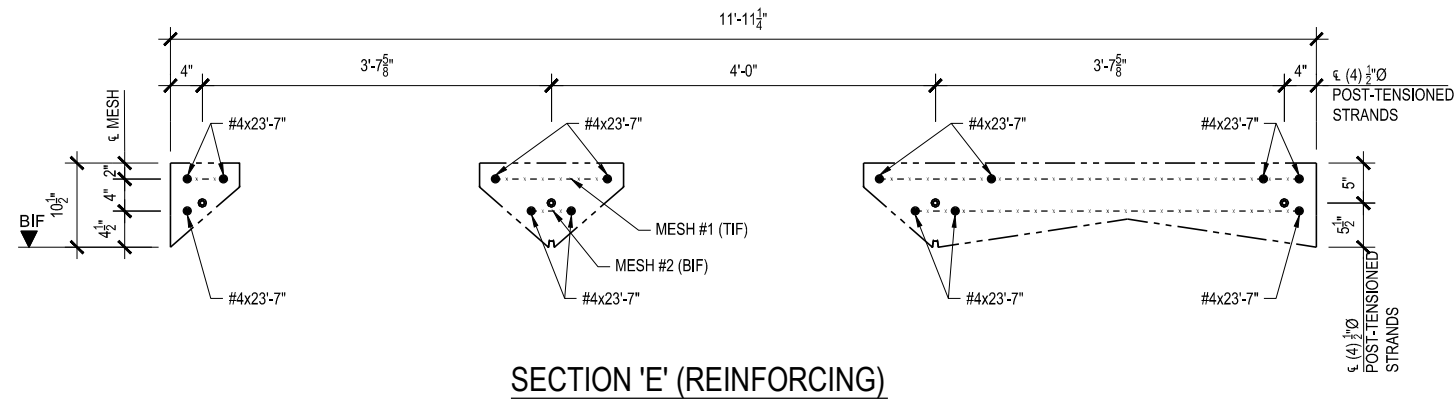
NO.	DATE:	DESCRIPTION
REVISIONS		

REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
302	4	#3 BENT BAR	15'-2" LF
305	16	#3 BENT BAR	44'-8" LF
306	8	#3 BENT BAR	16'-0" LF
411	4	#4 BENT BAR	12'-0" LF
412	4	#4 BENT BAR	12'-0" LF
414	4	#4 BENT BAR	67'-4" LF
415	2	#4 BENT BAR	9'-8" LF
506	2	#5 BENT BAR	11'-8" LF
601	8	#6 BENT BAR	44'-0" LF
8		#3x1'-6"	12'-0" LF
8		#4x3'-0"	24'-0" LF
2		#4x6'-2"	12'-4" LF
2		#4x8'-0"	16'-0" LF
15		#4x11'-7"	173'-9" LF
14		#4x23'-7"	330'-2" LF
4		1/2" Ø PRE-STRESSED; POST-TENSIONED STRANDS	
MESH #1	1 L.YR.	6x6/W4xW4 WWF 11'-7" x 23'-7"	273 SF
MESH #2	1 L.YR.	6x6/W4xW4 WWF 11'-7" x 23'-7"	273 SF

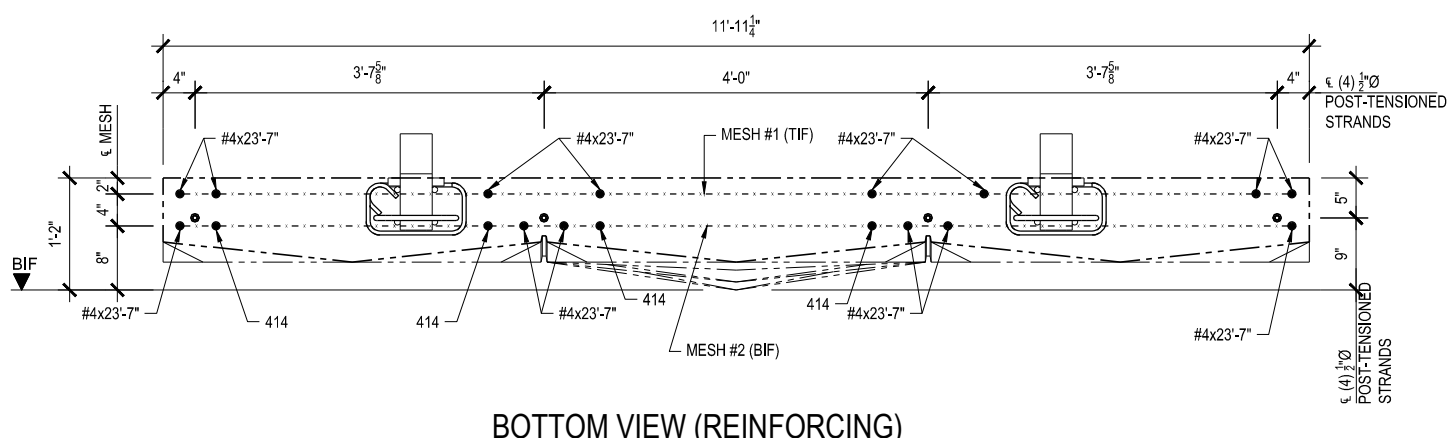


SECTION 'F' (REINFORCING)

SECTION 'G' (REINFORCING)



SECTION 'E' (REINFORCING)



BOTTOM VIEW (REINFORCING)

PLEASE SEE SHEET 1 OF 3 FOR HARDWARE

**APPROVED**  
 By kakulova at 9:59 am, Jan 31, 2013

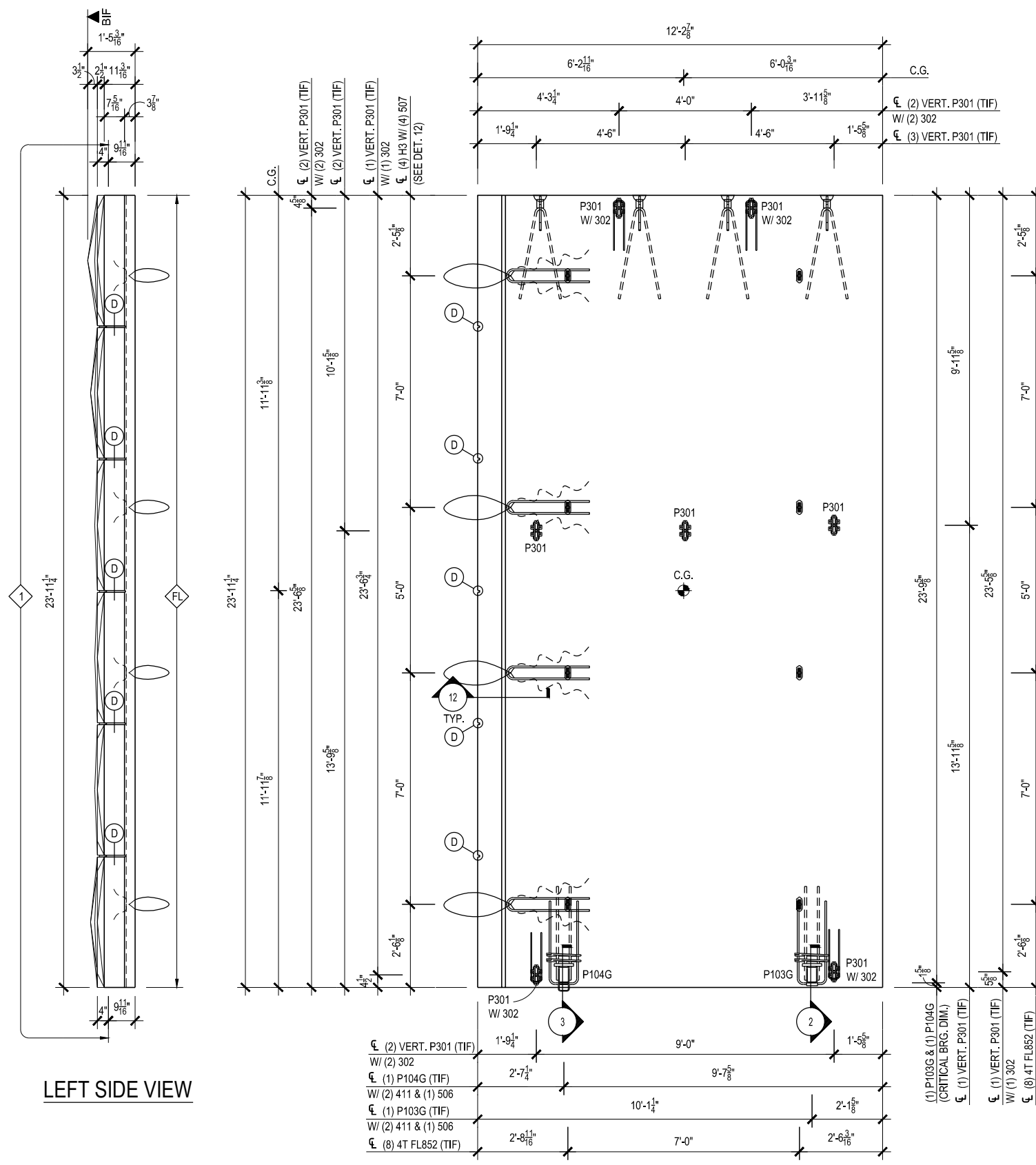
PLEASE SEE SHEET 1 OF 3 FOR FINISHES



MIAMI SCIENCE MUSEUM  
 BAR BUILDING  
 SHEET 3 OF 3

DRWN: DRA	CU. YD.
DATE: 1-24-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 1-30-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-14

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**PRODUCTION NOTES**  
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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**PLEASE SEE SHEET 3 OF 3 FOR REINFORCING**

**LOOSE HARDWARE**

ITEM	QTY.	DESCRIPTION
L5G	2	L 4"x6"x $\frac{1}{2}$ "x0'-4" W/ (1) $\frac{1}{8}$ " $\emptyset$ HOLE (GALV)
L6G	1	L 8"x8"x $\frac{1}{2}$ "x0'-6" W/ (1) $\frac{1}{8}$ " $\emptyset$ x3" SLOT & (1) $\frac{3}{8}$ " GUSSET (GALV)
L301	4	PSA 675 STRAP (J-FINISH)
L304G	3	$\frac{3}{8}$ " $\emptyset$ STANDARD WASHER (GALV)
L306	2	1"x4"x4" STEEL SHIM STACK
L307G	3	$\frac{3}{4}$ " $\emptyset$ x2" A307 BOLT (GALV)
E2G	1	HSS 3"x5"x $\frac{3}{8}$ "x0'-6 $\frac{1}{2}$ " W/ (1) PL $\frac{3}{8}$ "x6"x3 $\frac{1}{2}$ " (GALV)

**HARDWARE**

ITEM	QTY.	DESCRIPTION
P103G	1	HSS 4"x6"x $\frac{3}{8}$ "x1'-0" w/ (4) #6x2'-10" A706 BARS & (1) PL 1"x4"x0'-5" & (1) L 1"x1"x $\frac{1}{2}$ "x0'-7" (GALV)
P104G	1	HSS 4"x6"x $\frac{3}{8}$ "x1'-0" w/ (4) #6x2'-10" A706 BARS & (1) HSS 3"x4"x $\frac{3}{8}$ "x0'-5" & (1) L 1"x1"x $\frac{1}{2}$ "x0'-7" (GALV)
P301	7	6035 PSA SLOTTED INSERT
H3	4	DOUBLE (2) $\frac{1}{2}$ " $\emptyset$ x12'-0" AIRCRAFT CABLES
4T FL852	8	4T P-94 T-ANCHOR
8T FL149	4	8T P-92-P ERECTION ANCHOR w/ TENSION BAR (601) & SHEAR PLATE

**MODULE**

ITEM	QTY.	DESCRIPTION
M1	1	MODULE
M3	2	MODULE
M5	9	MODULE
M7	6	MODULE

**COLOR/FINISH**

1	FINISH #1 GPK-2465 SB-L
---	-------------------------

**TOP IN FORM FINISH**

FL	FLOAT FINISH / GREY	LOOK
----	---------------------	------

1. UNIT Wt. OF CONCRETE = 150 pcf  
 2. RELEASE CONCRETE STRENGTH = 3500 PSI  
 3. 28 DAY CONCRETE STRENGTH = 5000 PSI  
 4. REINFORCING STEEL-ASTM A615 GRADE 60  
 5. W.W.F. STEEL- ASTM A185

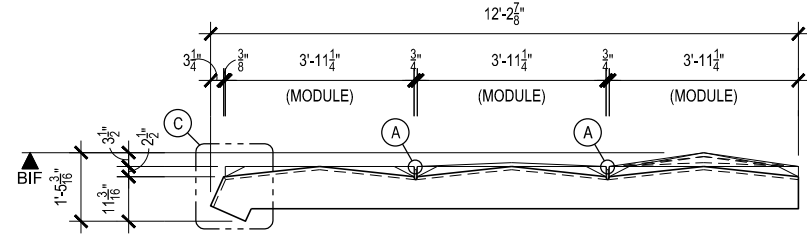
**APPROVED**  
 By kakulova at 8:45 am, Mar 12, 2013

NO.	DATE:	DESCRIPTION
REVISIONS		

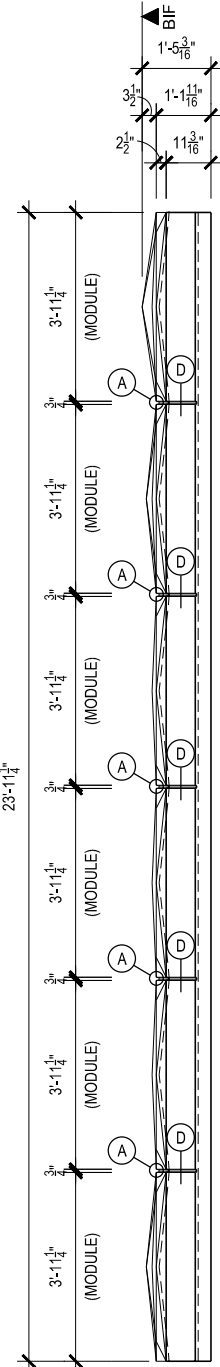
DRWN: RJK	CU. YD. 9.47
DATE: 2-26-13	WEIGHT: 38,374#
CHKR: DMG	SQ. FT.: 312
DATE: 3-11-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-47



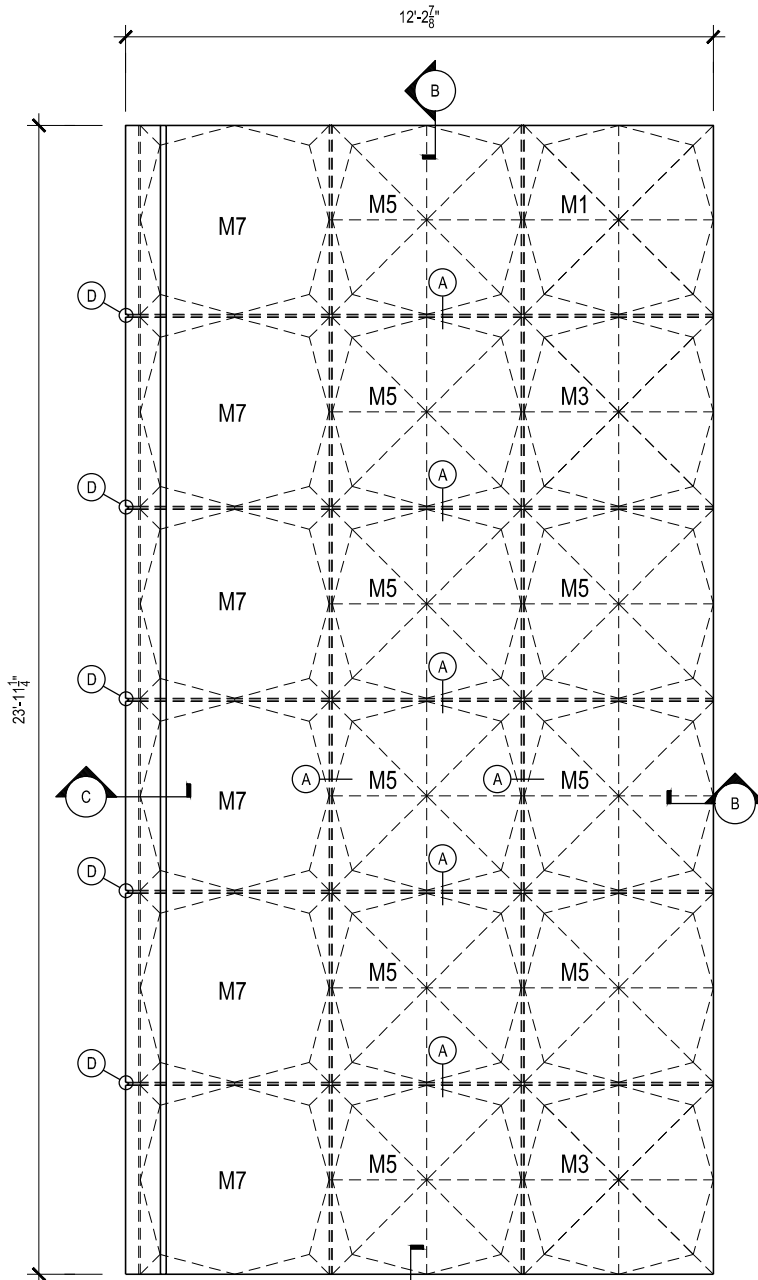
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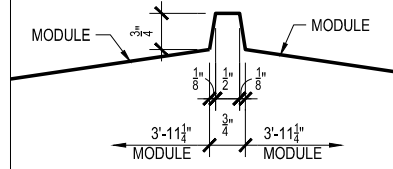
TOP VIEW  
(MODULE LAYOUT)



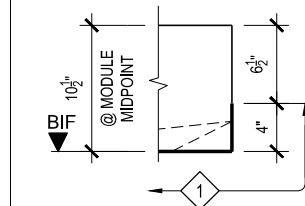
LEFT SIDE VIEW  
(MODULE LAYOUT)



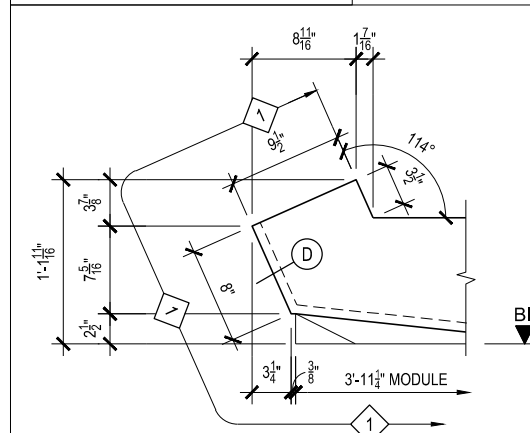
FORM VIEW  
(MODULE LAYOUT)



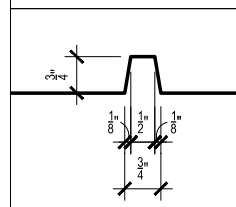
SECTION 'A'



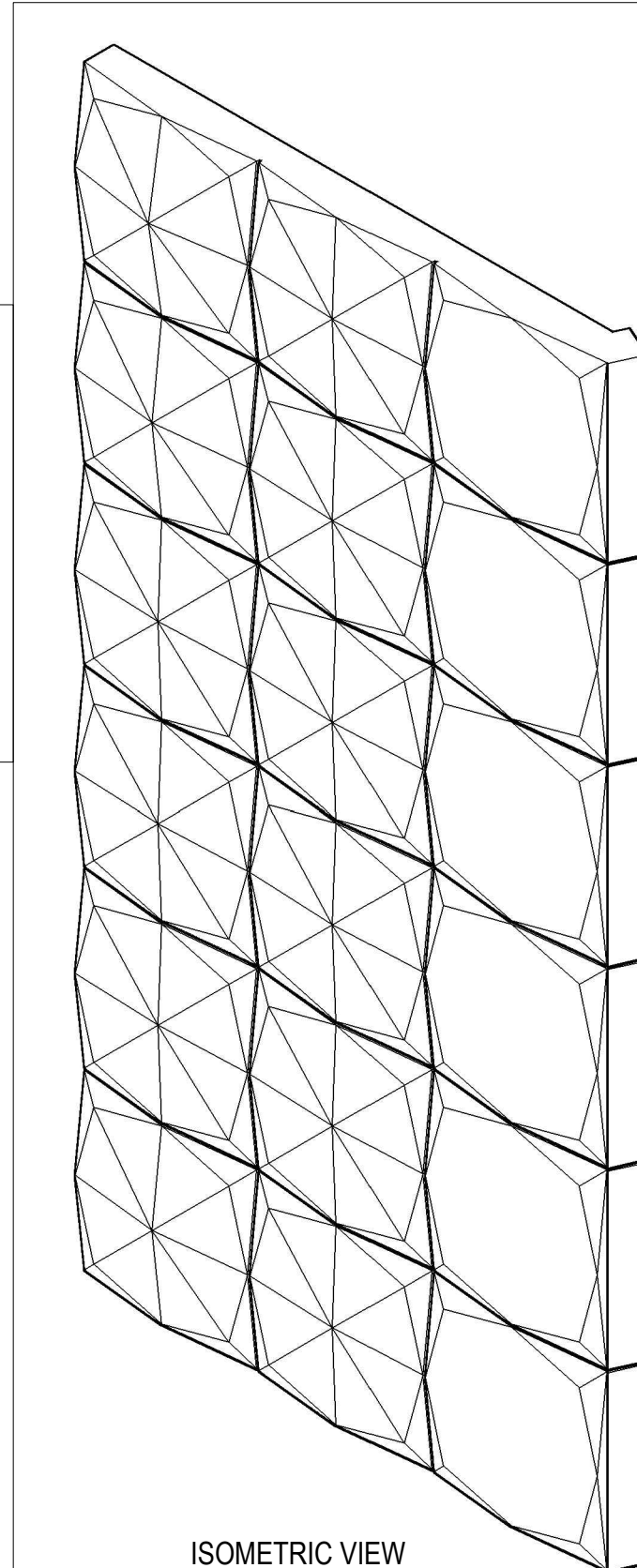
SECTION 'B'



SECTION 'C'



SECTION 'D'



ISOMETRIC VIEW

PRODUCTION NOTES  
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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

PLEASE SEE SHEET 3 OF 3  
FOR REINFORCING

NO.	DATE:	DESCRIPTION
REVISIONS		

PLEASE SEE SHEET 1 OF 3  
FOR HARDWARE

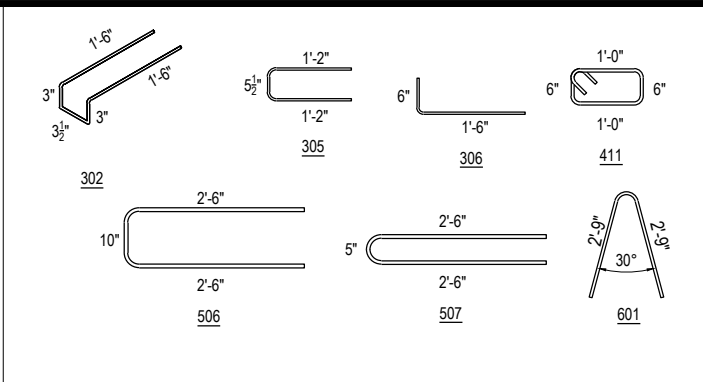
**APPROVED**  
By kakulova at 8:45 am, Mar 12, 2013

PLEASE SEE SHEET 1 OF 3  
FOR FINISHES

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

DRWN: RJK	CU. YD.
DATE: 2-26-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 3-11-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-47

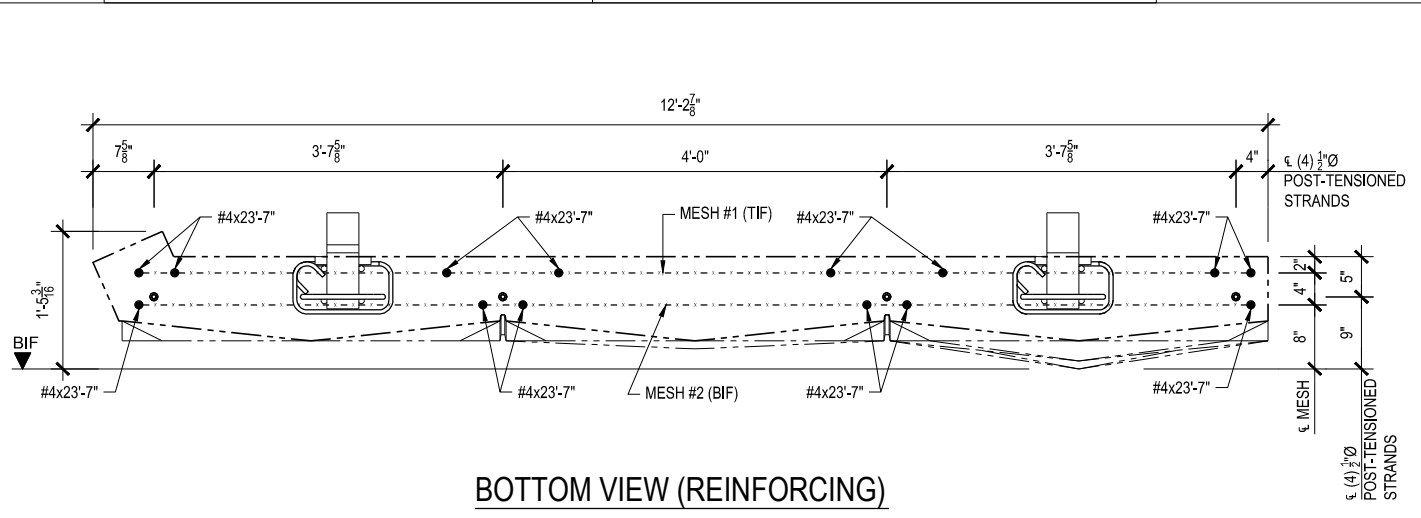
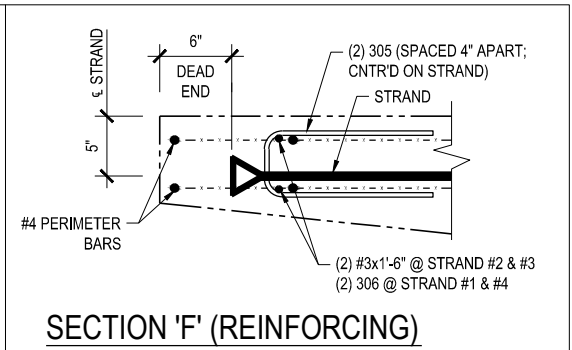
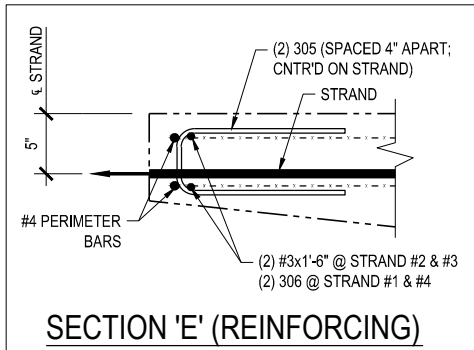
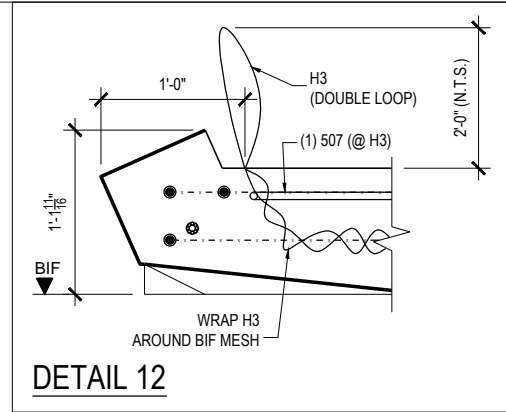
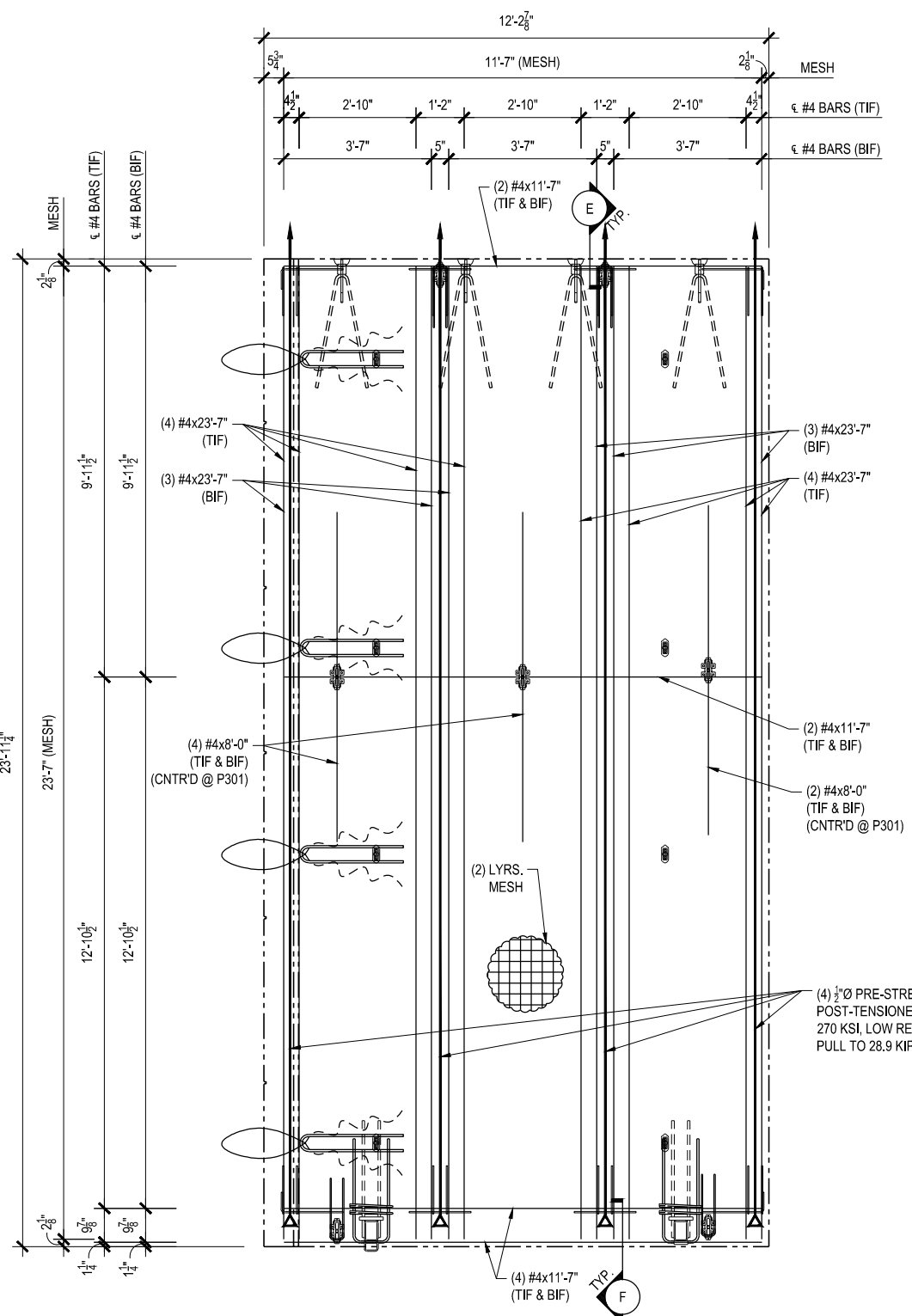
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
302	4	#3 BENT BAR	15'-2" LF
305	16	#3 BENT BAR	44'-8" LF
306	8	#3 BENT BAR	12'-0" LF
411	4	#4 BENT BAR	12'-0" LF
506	2	#5 BENT BAR	11'-8" LF
507	4	#5 BENT BAR	21'-8" LF
601	4	#6 BENT BAR	22'-0" LF
8		#3x1'-6"	12'-0" LF
6		#4x8'-0"	48'-0" LF
8		#4x11'-7"	92'-8" LF
14		#4x23'-7"	330'-2" LF

NO.	DATE:	DESCRIPTION
REVISIONS		



4		1/2" Ø PRE-STRESSED, POST-TENSIONED STRANDS	
MESH #1	1 LYR.	6x6/W4xW4 WWF 11'-7" x 23'-7"	273 SF
MESH #2	1 LYR.	6x6/W4xW4 WWF 11'-7" x 23'-7"	273 SF

PLEASE SEE SHEET 1 OF 3 FOR HARDWARE

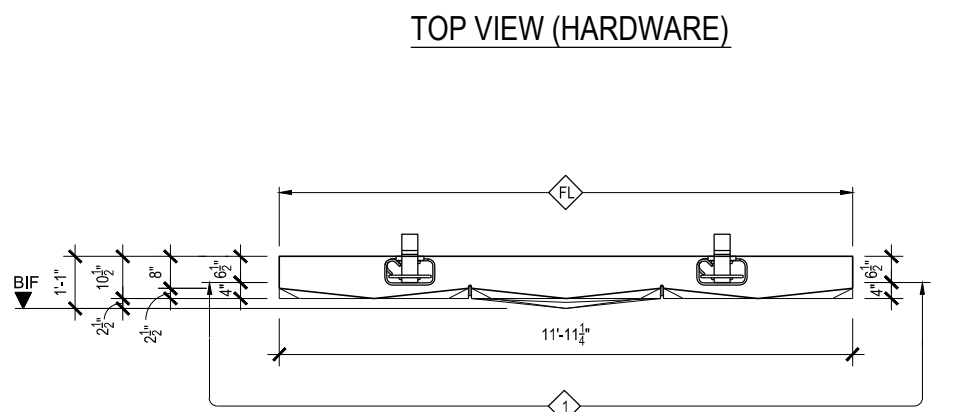
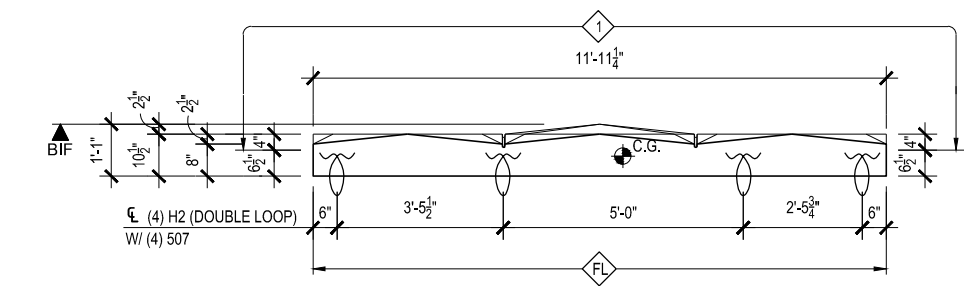
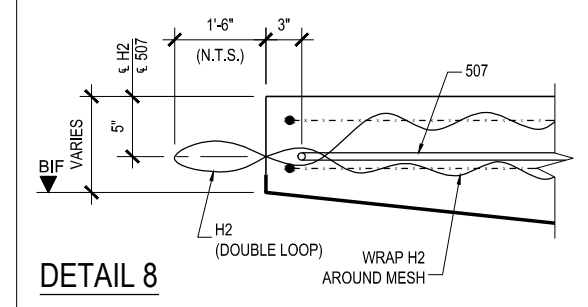
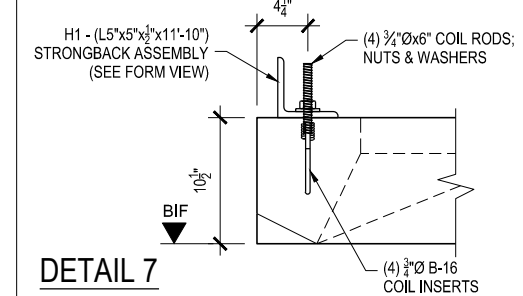
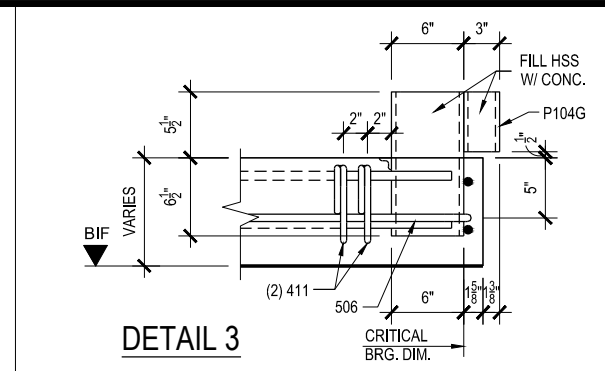
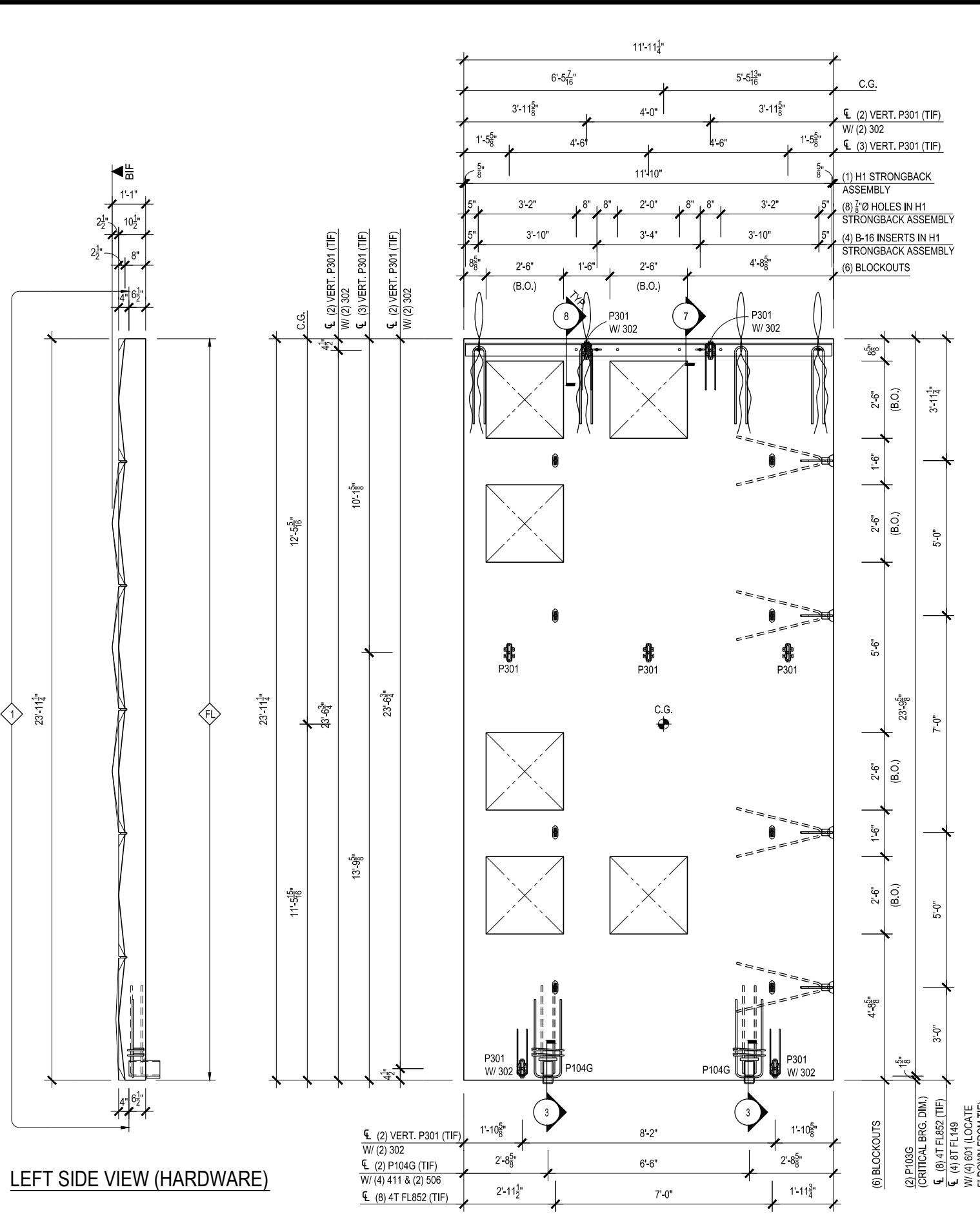
**APPROVED**  
 By kakulova at 8:45 am, Mar 12, 2013

PLEASE SEE SHEET 1 OF 3 FOR FINISHES

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL-ASTM A185

DRWN: RJK	CU. YD.
DATE: 2-26-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 3-11-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-47

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**PRODUCTION NOTES**

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- DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

**PLEASE SEE SHEET 3 OF 3 FOR REINFORCING**

LOOSE HARDWARE		
ITEM	QTY.	DESCRIPTION
L7G	2	L 6"x6"x5/8"x0'-6" W/ (1) 3/8"x3" SLOT (GALV)
L301	5	PSA 675 STRAP (J-FINISH)
L304G	2	3/4" Ø STANDARD WASHER (GALV)
L306	2	1"x4"x4" STEEL SHIM STACK
L307G	2	3/4" Ø x 2" A307 BOLT (GALV)
E2G	2	HSS 3"x5"x3/8"x0'-6 1/2" W/ (1) PL 3/8"x6"x3 1/2" (GALV)

HARDWARE		
ITEM	QTY.	DESCRIPTION
P104G	2	HSS 4"x6"x3/8"x1'-0" w/ (4) #6x2'-10" A706 BARS & (1) HSS 3"x4"x3/8"x0'-5" & (1) L 1"x1"x1/2"x0'-7" (GALV)
P301	7	6035 PSA SLOTTED INSERT
H1	1	STRONGBACK ASSEMBLY - L5"x5"x1/2"x11'-10" W/ (8) 3/8" Ø HOLES & (4) 3/4" Ø x 6" B-16 COIL INSERTS & (4) 3/4" Ø x 6" COIL RODS W/ NUTS & WASHERS
H2	4	DOUBLE (2) 3/4" Ø x 10'-0" AIRCRAFT CABLES
4T FL852	8	4T P-94 T-ANCHOR
8T FL149	4	8T P-92-P ERECTION ANCHOR w/ TENSION BAR (601) & SHEAR PLATE

MODULE		
ITEM	QTY.	DESCRIPTION
M2	3	MODULE
M3	3	MODULE
M4	2	MODULE
M5	1	MODULE
M6	3	MODULE
M8	6	MODULE

**COLOR/FINISH**

FINISH #1 GPK-2465 SB-L

**APPROVED**  
By kakulova at 2:34 pm, Feb 27, 2013

**TOP IN FORM FINISH**

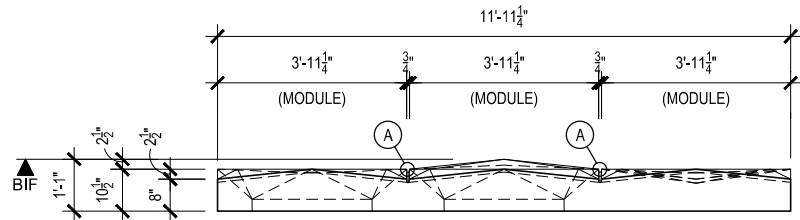
LOOK

1. UNIT Wt. OF CONCRETE = 150 pcf  
 2. RELEASE CONCRETE STRENGTH = 3500 PSI  
 3. 28 DAY CONCRETE STRENGTH = 5000 PSI  
 4. REINFORCING STEEL-ASTM A615 GRADE 60  
 5. WWF STEEL- ASTM A185

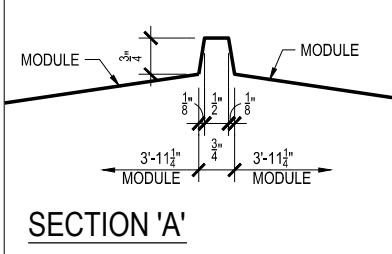
DRWN: KRH	CU. YD. 7.33
DATE: 2-11-13	WEIGHT: 29,702#
CHKR: DMG	SQ. FT.: 310
DATE: 2-21-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-65

NO.	DATE:	DESCRIPTION
REVISIONS		

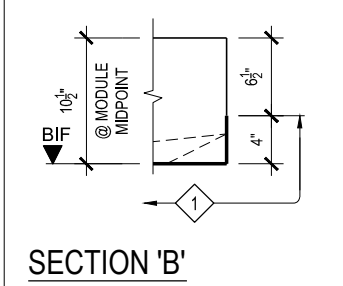
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECT(S) WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY



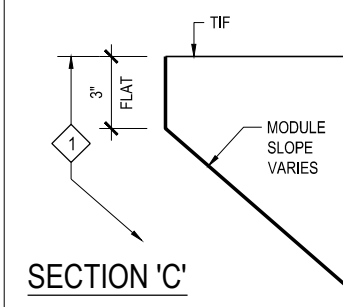
TOP VIEW  
(MODULE LAYOUT)



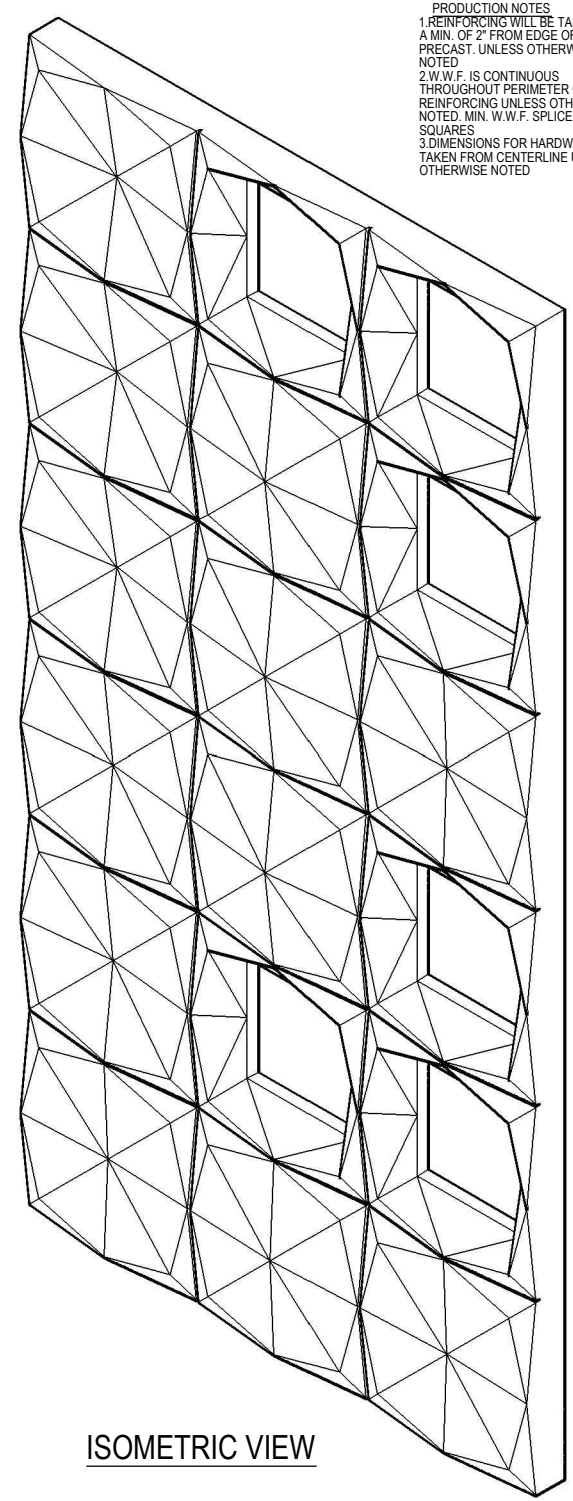
SECTION 'A'



SECTION 'B'



SECTION 'C'



ISOMETRIC VIEW

PRODUCTION NOTES  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

PLEASE SEE SHEET 3 OF 3  
FOR REINFORCING

NO.	DATE:	DESCRIPTION
REVISIONS		

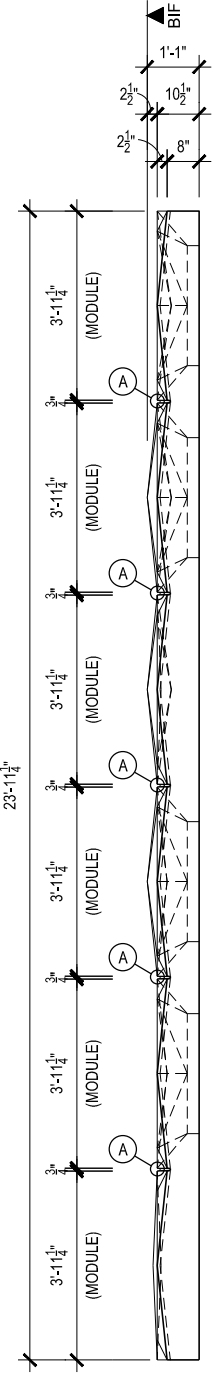
PLEASE SEE SHEET 1 OF 3  
FOR HARDWARE

**APPROVED**  
By kakulova at 2:34 pm, Feb 27, 2013

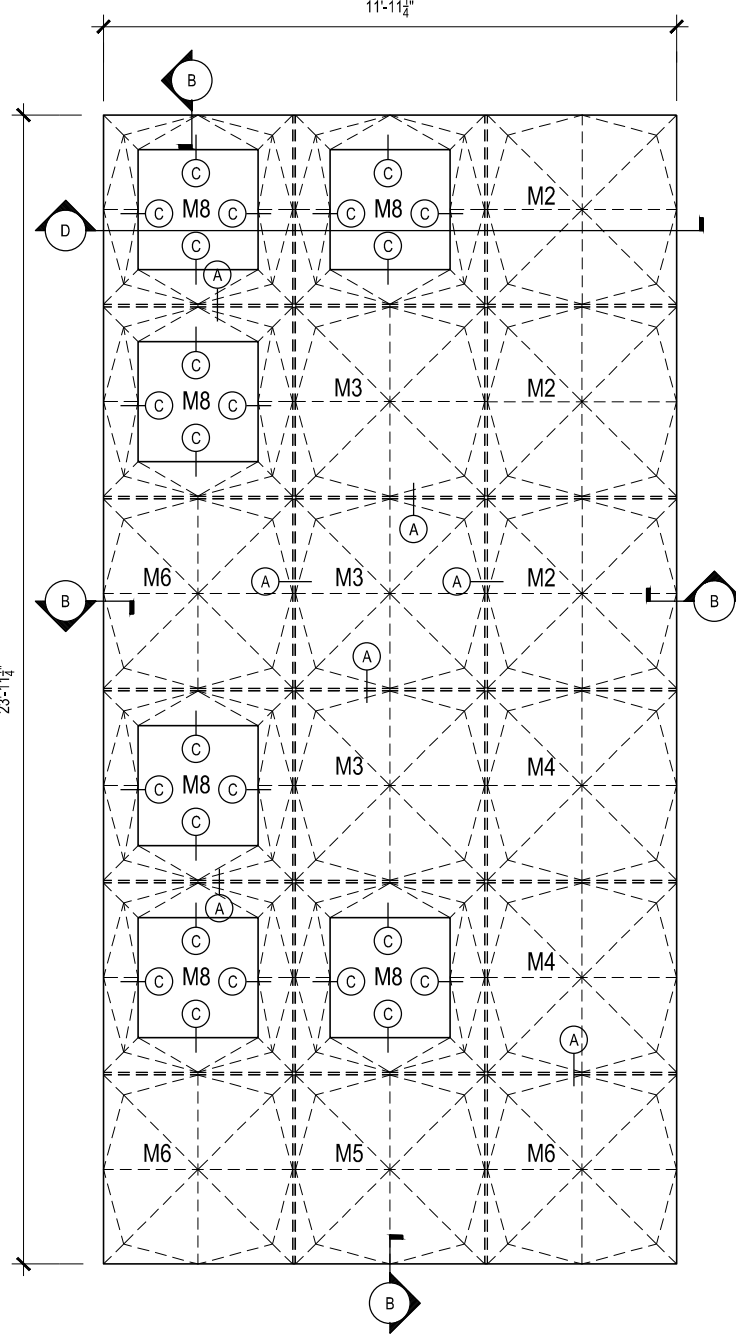
PLEASE SEE SHEET 1 OF 3  
FOR FINISHES



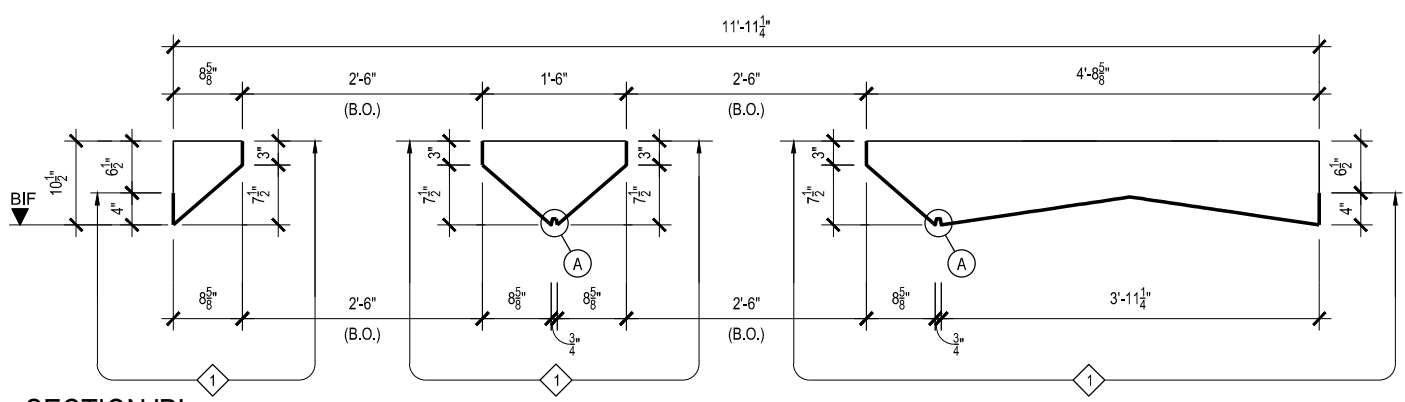
- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185



LEFT SIDE VIEW  
(MODULE LAYOUT)



FORM VIEW  
(MODULE LAYOUT)

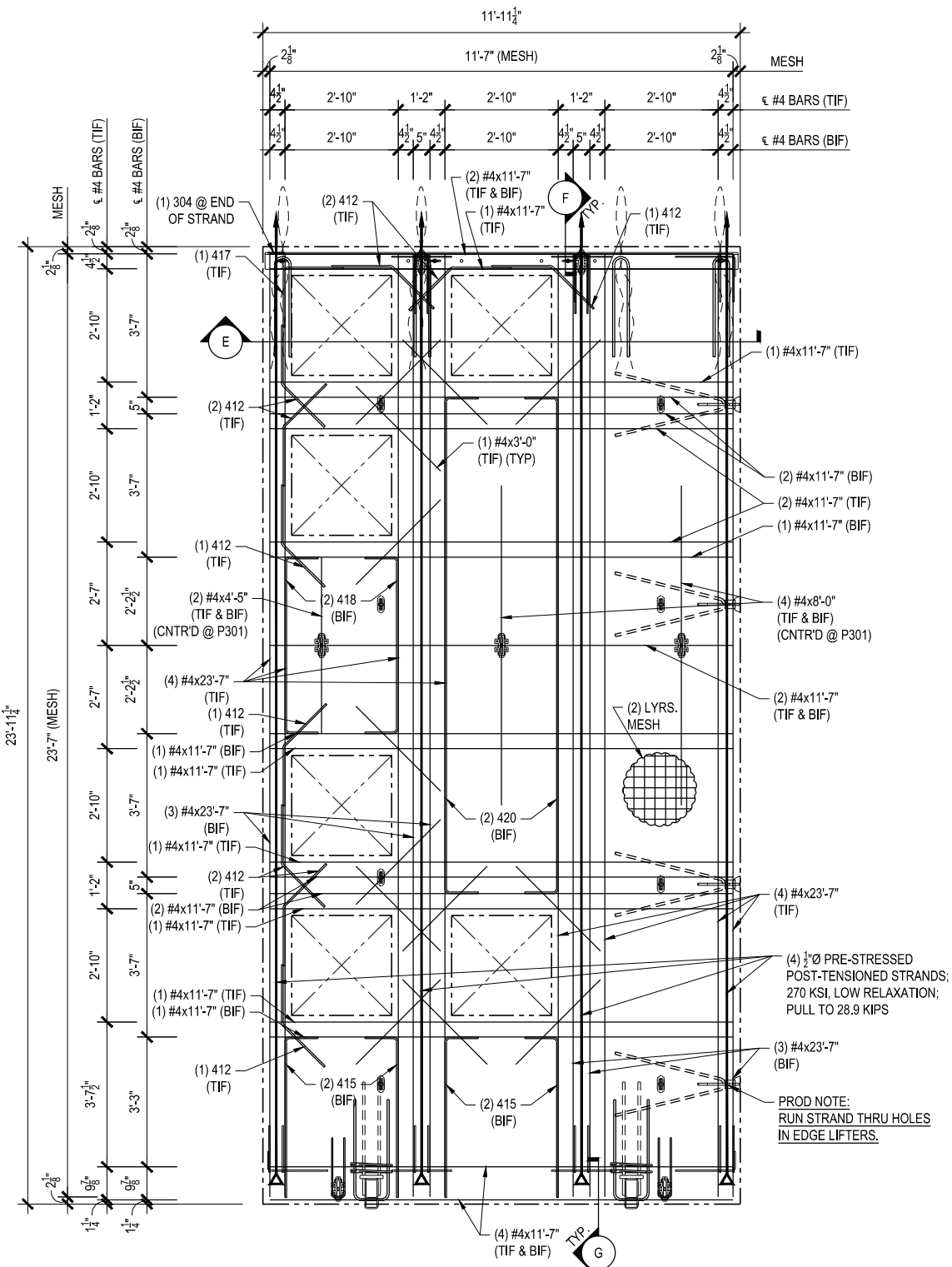


SECTION 'D'

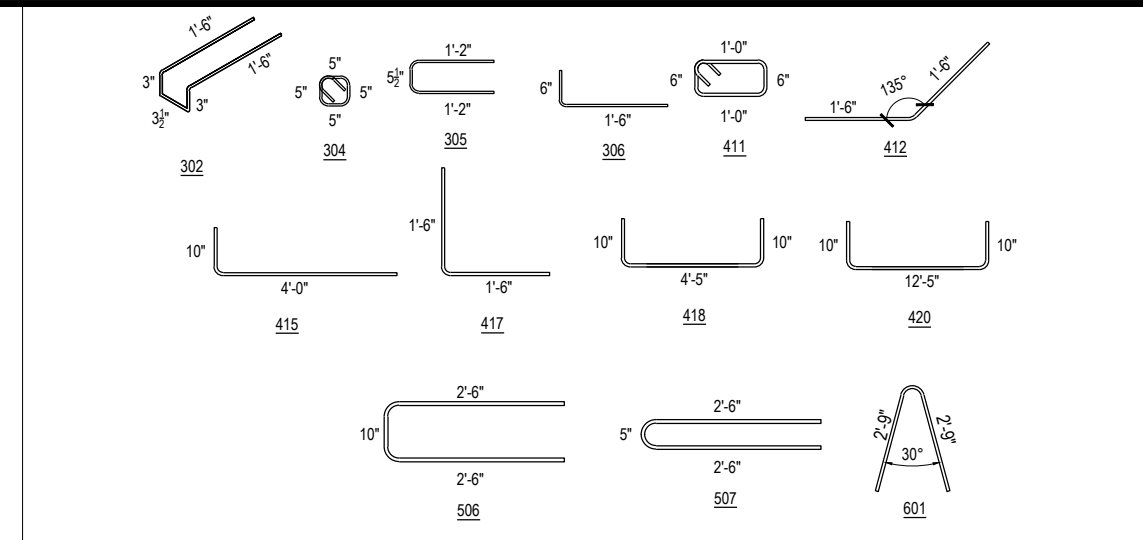
DRWN: KRH	CU. YD.
DATE: 2-11-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 2-21-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-65



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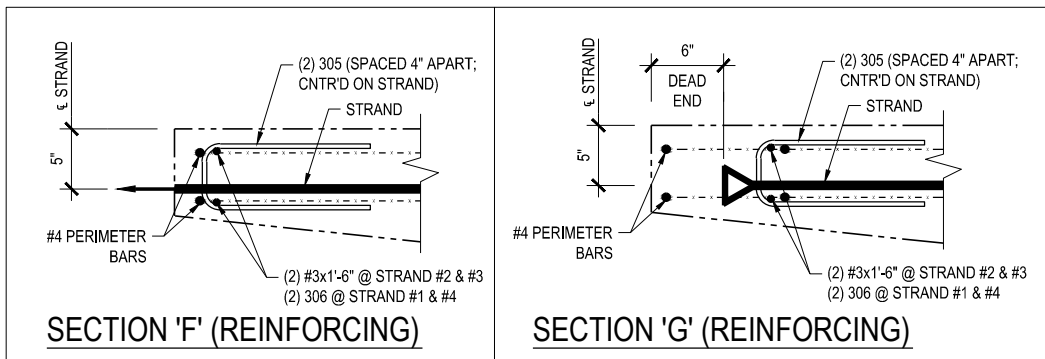


**FORM VIEW (REINFORCING)**



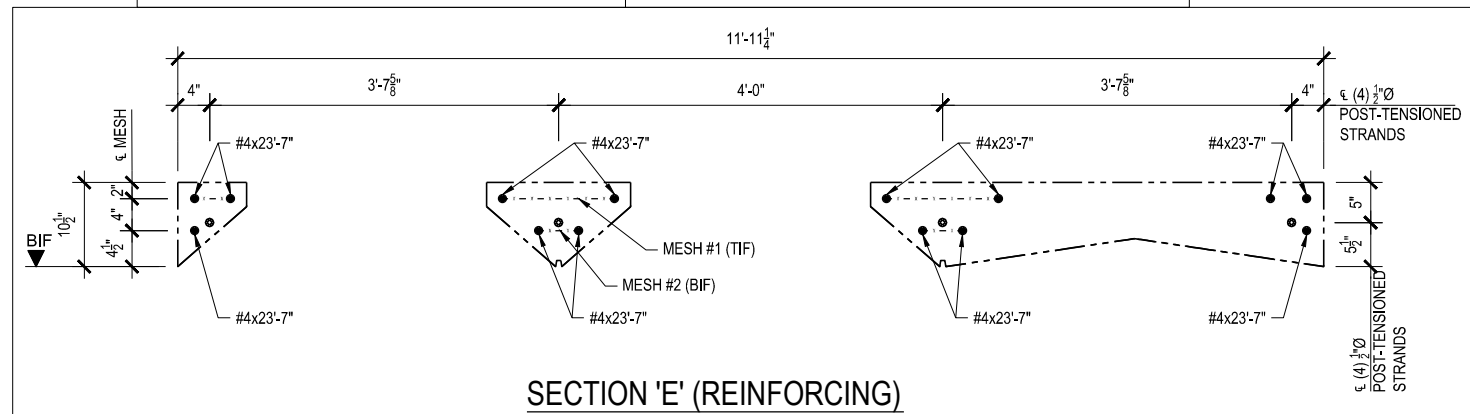
**PRODUCTION NOTES**  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2\"/>

NO.	DATE:	DESCRIPTION
REVISIONS		

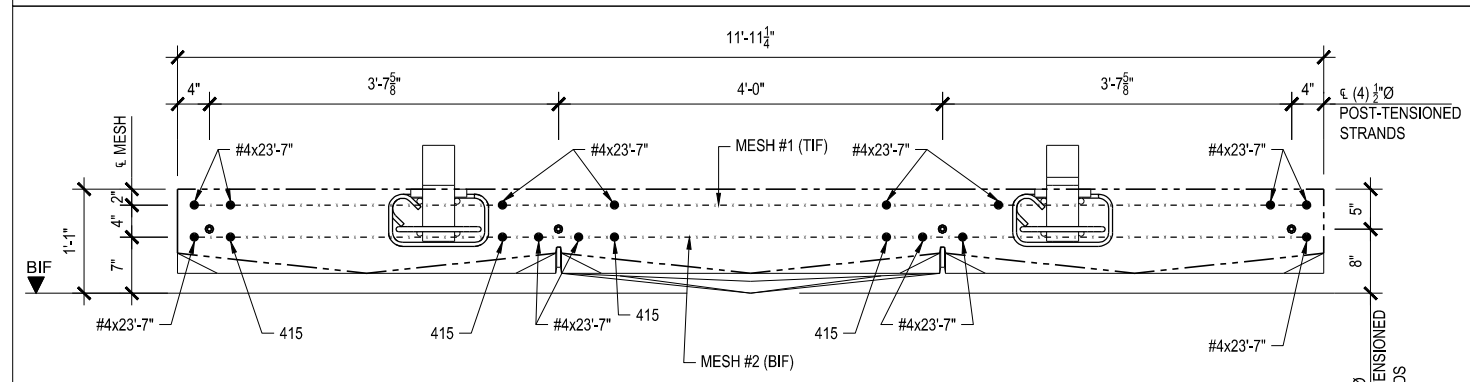


**SECTION 'F' (REINFORCING)**

**SECTION 'G' (REINFORCING)**



**SECTION 'E' (REINFORCING)**



**BOTTOM VIEW (REINFORCING)**

REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
302	4	#3 BENT BAR	15'-2\"/>
304	1	#3 BENT BAR	1'-8\"/>
305	14	#3 BENT BAR	39'-1\"/>
306	6	#3 BENT BAR	12'-0\"/>
411	4	#4 BENT BAR	12'-0\"/>
412	10	#4 BENT BAR	30'-0\"/>
415	4	#4 BENT BAR	19'-4\"/>
417	1	#4 BENT BAR	3'-0\"/>
418	2	#4 BENT BAR	12'-2\"/>
420	2	#4 BENT BAR	28'-2\"/>
506	2	#5 BENT BAR	11'-8\"/>
507	4	#5 BENT BAR	21'-8\"/>
601	4	#6 BENT BAR	22'-0\"/>

8		#3x1'-6\"/>
13		#4x3'-0\"/>
2		#4x4'-5\"/>
4		#4x8'-0\"/>
23		#4x11'-7\"/>
14		#4x23'-7\"/>

4		1/2\"/>
MESH #1	1 LYR.	6x6/W4xW4 WWF 11'-7\"/>
MESH #2	1 LYR.	6x6/W4xW4 WWF 11'-7\"/>

**PLEASE SEE SHEET 1 OF 3 FOR HARDWARE**

**APPROVED**  
 By kakulova at 2:34 pm, Feb 27, 2013

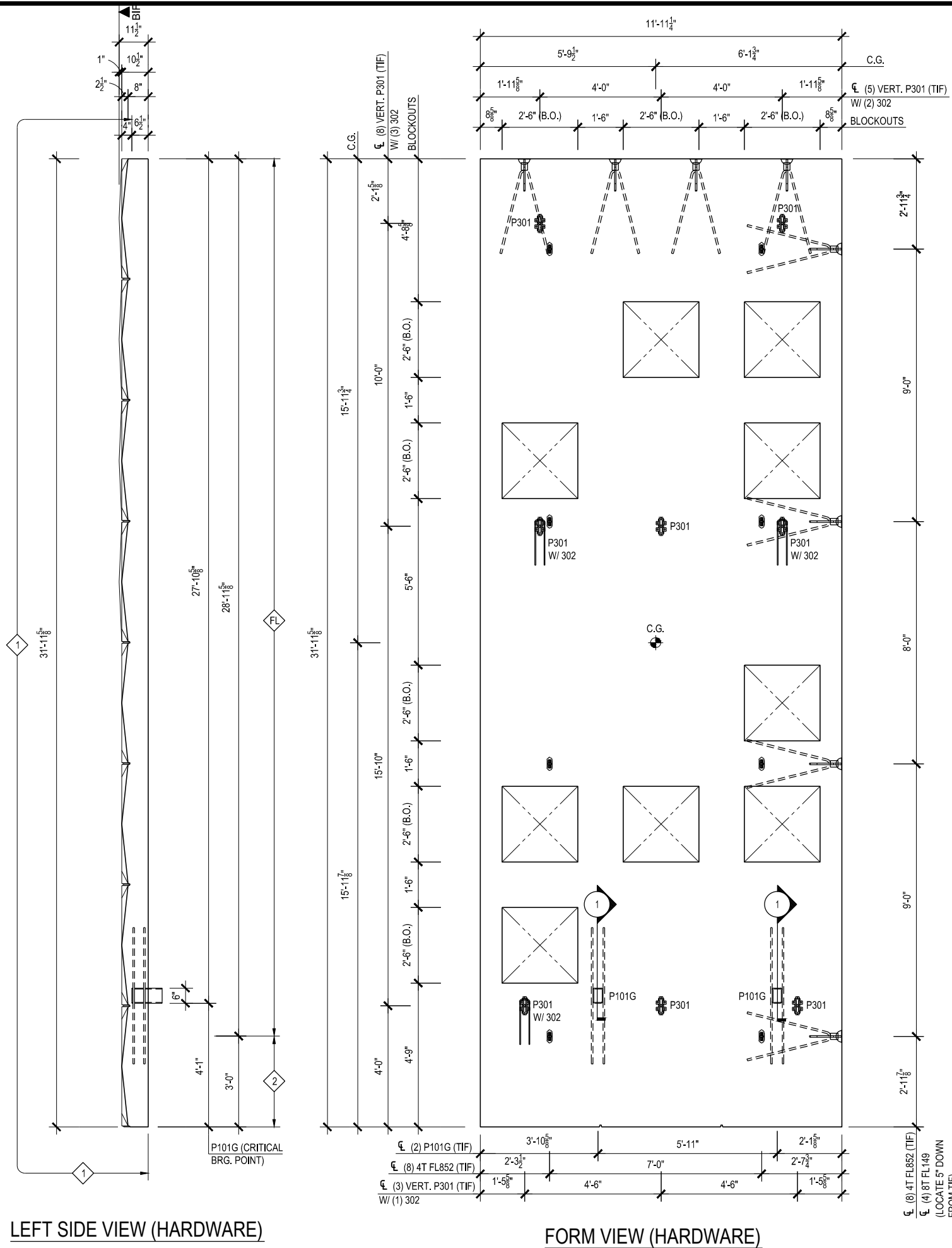
**PLEASE SEE SHEET 1 OF 3 FOR FINISHES**

- UNIT Wt. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- WWF STEEL- ASTM A185

DRWN: KRH	CU. YD.
DATE: 2-11-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 2-21-13	JOB #: 13049

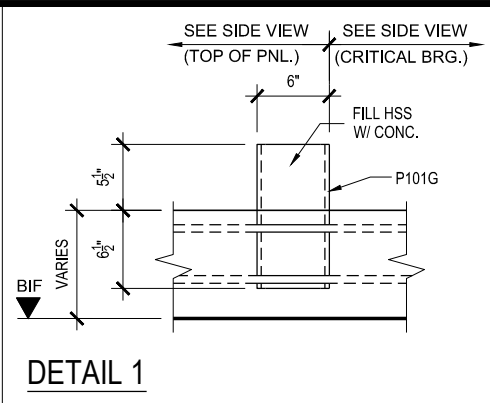
QUANTITY	PIECE MARK
1	WP-65

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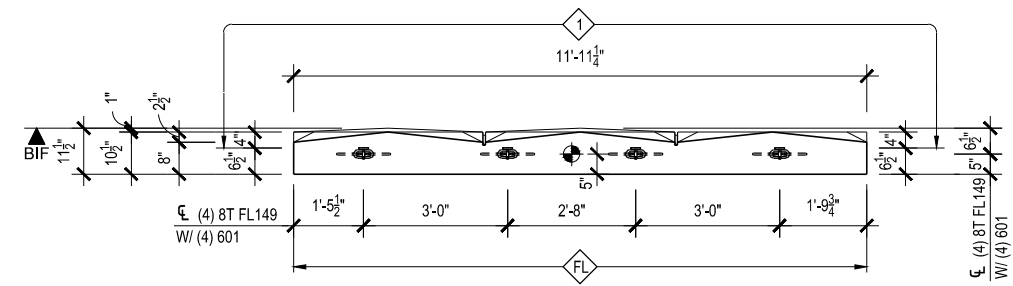


LEFT SIDE VIEW (HARDWARE)

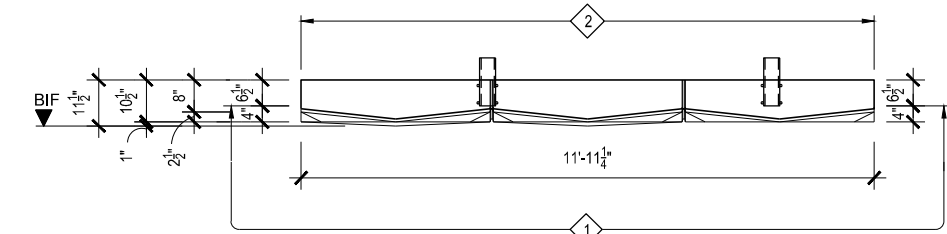
FORM VIEW (HARDWARE)



DETAIL 1



TOP VIEW (HARDWARE)



BOTTOM VIEW (HARDWARE)

PRODUCTION NOTES  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

PLEASE SEE SHEET 3 OF 3 FOR REINFORCING

LOOSE HARDWARE

ITEM	QTY.	DESCRIPTION
L301	8	PSA 675 STRAP (J-FINISH)
L8	2	1"x3"x3" STEEL SHIM STACK (GALV)

HARDWARE

ITEM	QTY.	DESCRIPTION
P101G	2	HSS 4"x6"x3/8"x1'-0" w/ (4) #5x4'-6" A706 (GALV)
P301	8	6035 PSA SLOTTED INSERT
4T FL852	8	4T P-94 T-ANCHOR
8T FL149	8	8T P-92-P ERECTION ANCHOR w/ TENSION BAR (601) & SHEAR PLATE

MODULE

ITEM	QTY.	DESCRIPTION
M5	5	MODULE
M7	10	MODULE
M8	9	MODULE

COLOR/FINISH

1	FINISH #1 GPK-2465 SB-L
2	FINISH #2 -1 PASS TROWEL - NO LINES GPK-2465 SB-L

TOP IN FORM FINISH

FL	FLOAT FINISH / GREY	LOOK
----	---------------------	------

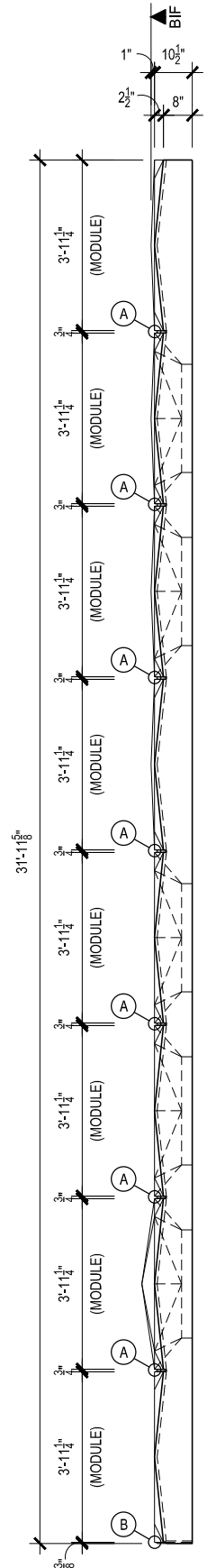
- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

**APPROVED**  
 By kakulova at 9:39 am, Feb 14, 2013

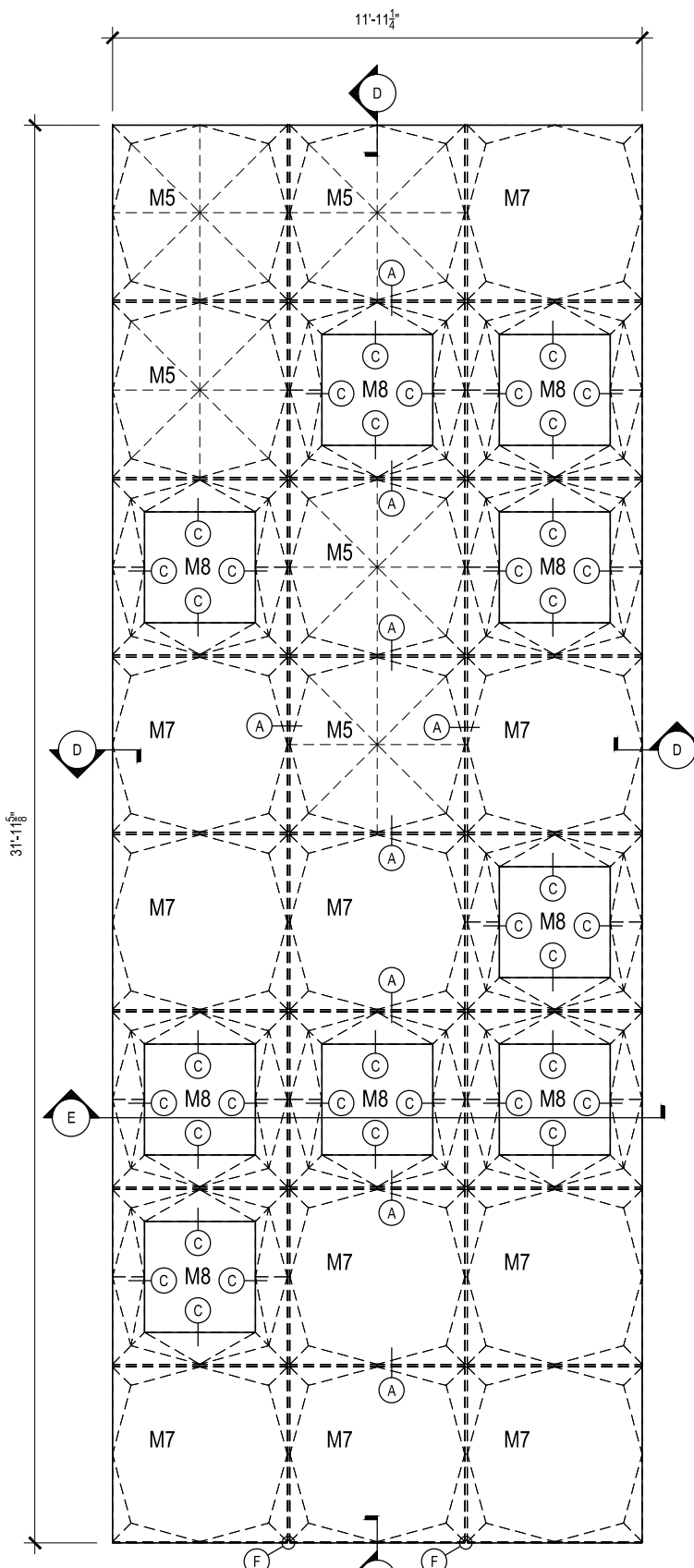
NO.	DATE:	DESCRIPTION

DRWN: LGF	CU. YD. 9.76
DATE: 01-22-13	WEIGHT: 39,512#
CHKR: DMG	SQ. FT.: 381
DATE: 02-12-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-76

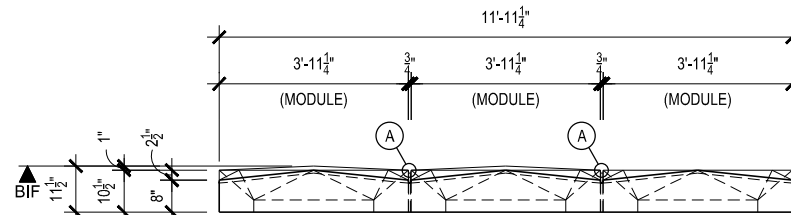
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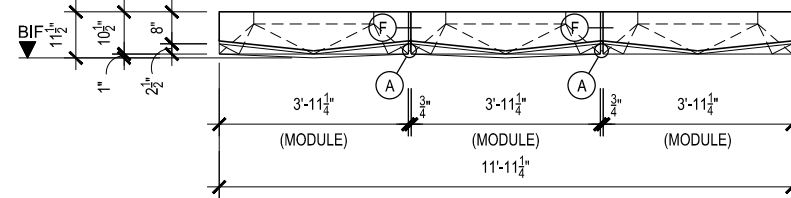
LEFT SIDE VIEW  
(MODULE LAYOUT)



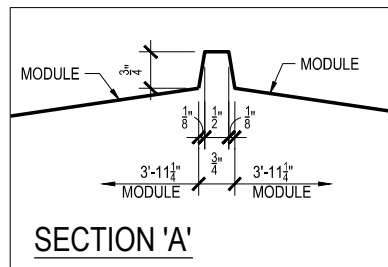
FORM VIEW  
(MODULE LAYOUT)



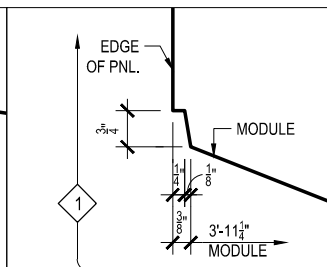
TOP VIEW  
(MODULE LAYOUT)



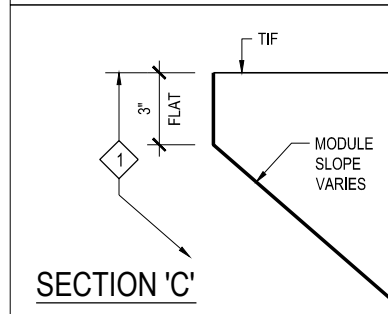
BOTTOM VIEW  
(MODULE LAYOUT)



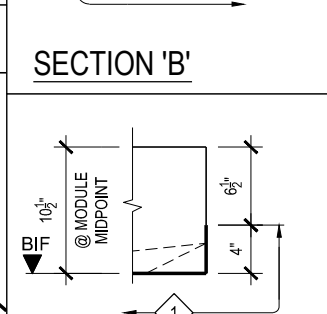
SECTION 'A'



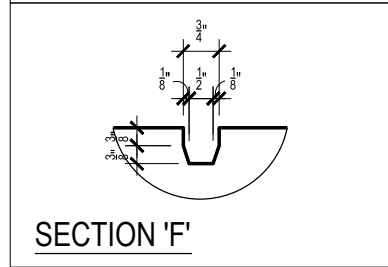
SECTION 'B'



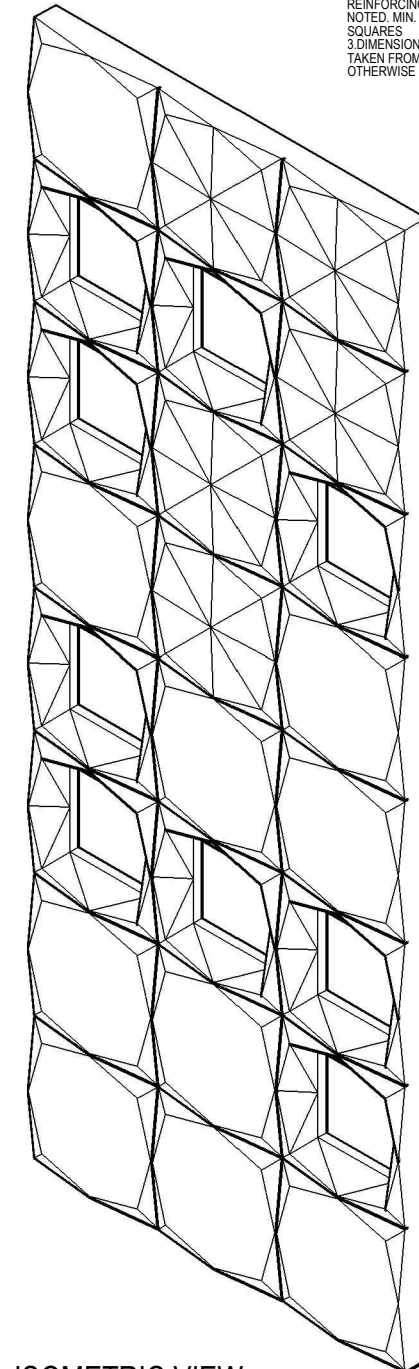
SECTION 'C'



SECTION 'D'



SECTION 'F'



ISOMETRIC VIEW

PRODUCTION NOTES  
1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED  
2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED, MIN. W.W.F. SPLICE TO BE 2 SQUARES  
3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

PLEASE SEE SHEET 3 OF 3  
FOR REINFORCING

NO.	DATE:	DESCRIPTION
REVISIONS		

PLEASE SEE SHEET 1 OF 3  
FOR HARDWARE

**APPROVED**  
By kakulova at 9:39 am, Feb 14, 2013

PLEASE SEE SHEET 1 OF 3  
FOR FINISHES

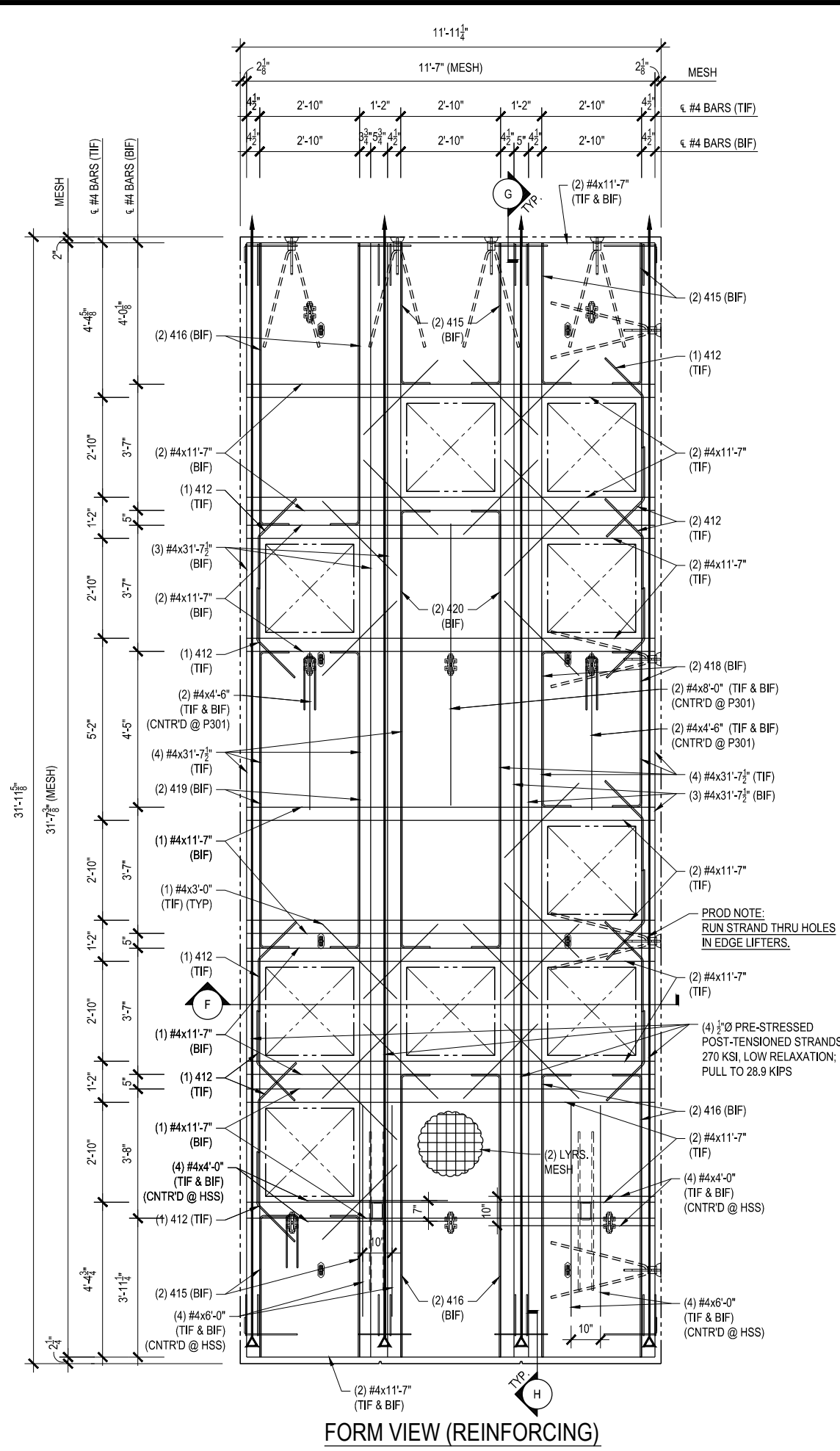


- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60

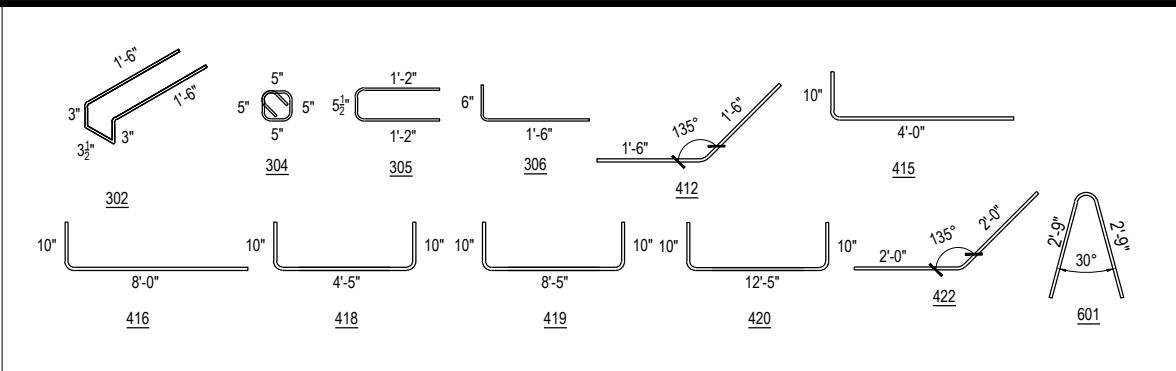
SHEET 2 OF 3

DRWN: LGF	CU. YD.
DATE: 01-22-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 02-12-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-76

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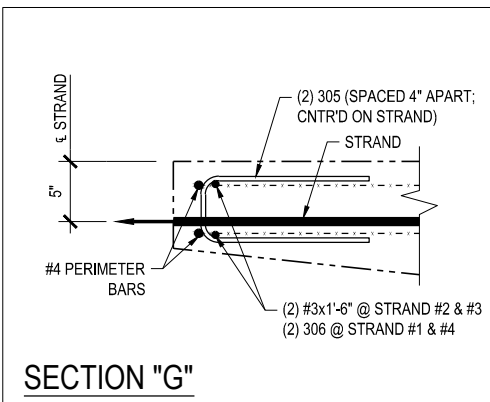


FORM VIEW (REINFORCING)

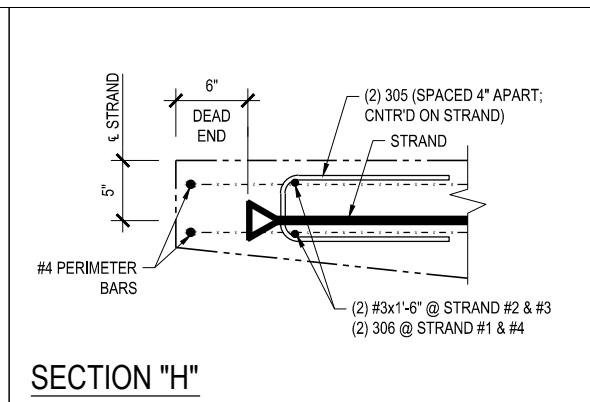


**PRODUCTION NOTES**  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED.  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

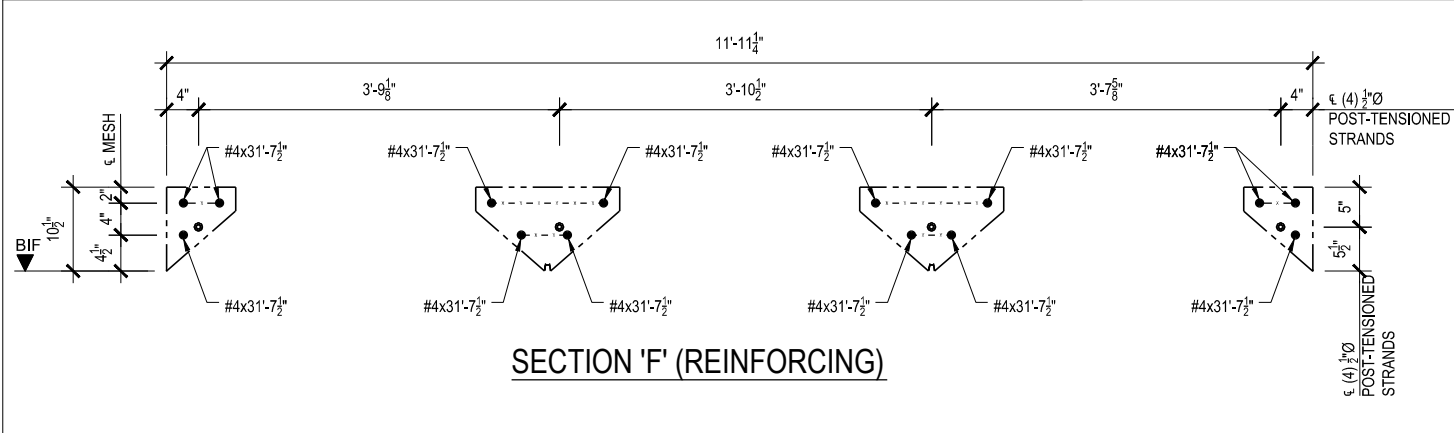
REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
302	3	#3 BENT BAR	11'-4 1/2" LF
304	8	#3 BENT BAR	13'-4" LF
305	16	#3 BENT BAR	44'-8" LF
306	8	#3 BENT BAR	16'-0" LF
412	14	#4 BENT BAR	42'-0" LF
415	6	#4 BENT BAR	29'-0" LF
416	6	#4 BENT BAR	53'-0" LF
418	2	#4 BENT BAR	12'-2" LF
419	2	#4 BENT BAR	20'-2" LF
420	2	#4 BENT BAR	28'-2" LF
601	8	#6 BENT BAR	44'-0" LF
8		#3x1'-6"	12'-0" LF
20		#4x3'-0"	60'-0" LF
8		#4x4'-0"	32'-0" LF
4		#4x4'-6"	18'-0" LF
8		#4x6'-0"	48'-0" LF
2		#4x8'-0"	16'-0" LF
24		#4x11'-7"	278'-0" LF
14		#4x31'-7 1/2"	442'-9" LF
		1/2" Ø PRE-STRESSED, POST-TENSIONED STRANDS	
MESH #1	1 LYR.	6x6/W4xW4 WWF 11'-7" x 31'-7 1/2"	366 SF
MESH #2	1 LYR.	6x6/W4xW4 WWF 11'-7" x 31'-7 1/2"	366 SF



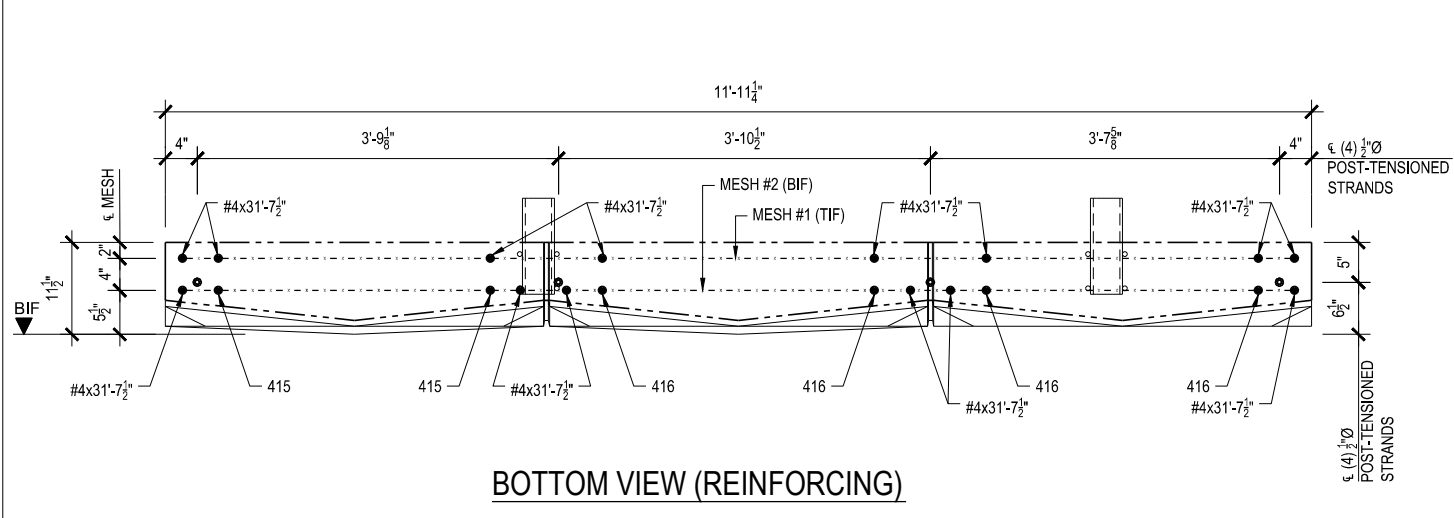
SECTION "G"



SECTION "H"



SECTION 'F' (REINFORCING)



BOTTOM VIEW (REINFORCING)

PLEASE SEE SHEET 1 OF 3 FOR HARDWARE

**APPROVED**  
 By kakulova at 9:39 am, Feb 14, 2013

PLEASE SEE SHEET 1 OF 3 FOR FINISHES

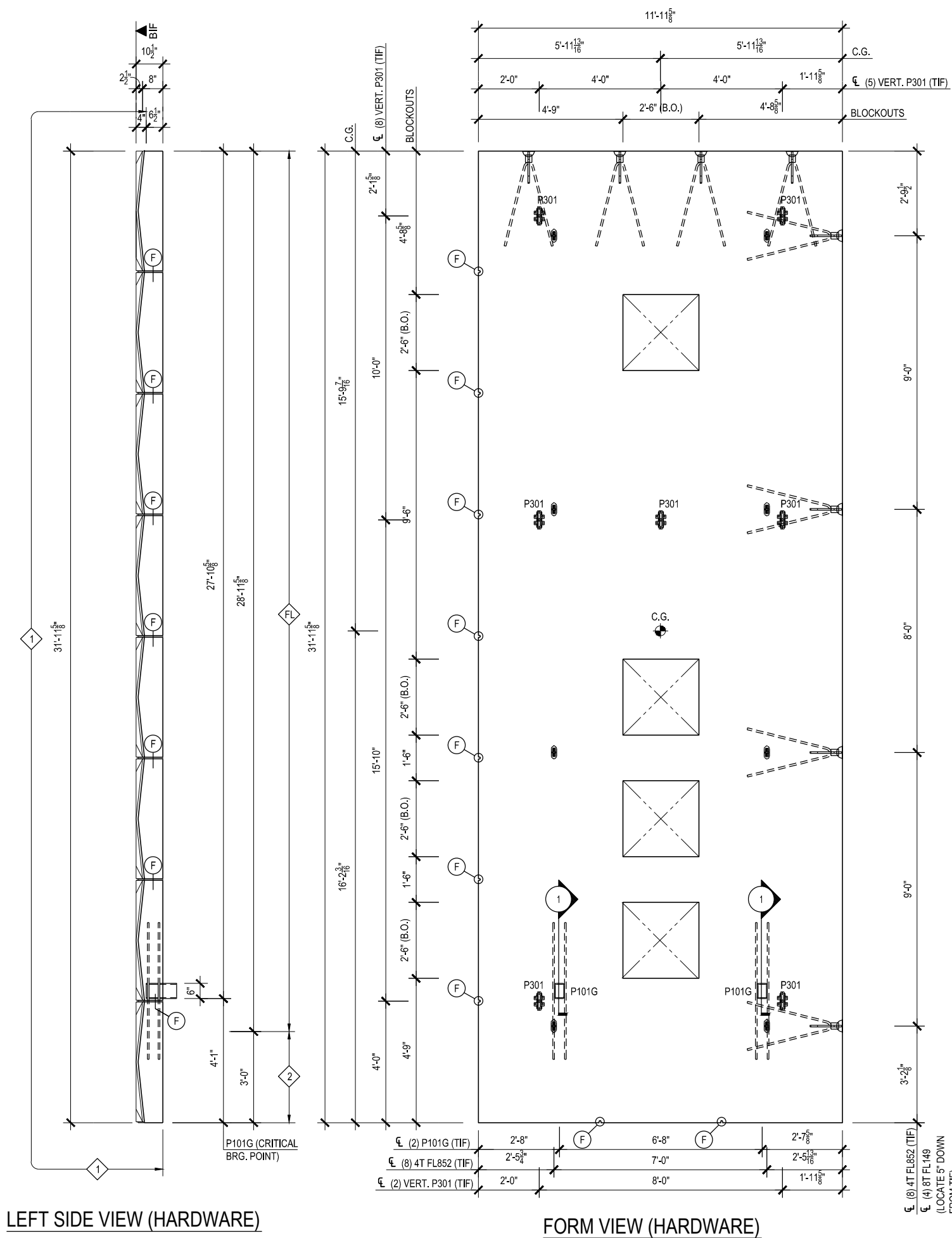
- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60

DRWN: LGF	CU. YD.
DATE: 01-22-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 02-12-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-76

NO.	DATE:	DESCRIPTION
REVISIONS		



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**PLEASE SEE SHEET 3 OF 3 FOR REINFORCING**

**LOOSE HARDWARE**

ITEM	QTY.	DESCRIPTION
L301	7	PSA 675 STRAP (J-FINISH)
L8	2	1"x3"x3" STEEL SHIM STACK (GALV)

**HARDWARE**

ITEM	QTY.	DESCRIPTION
P101G	2	HSS 4"x6"x $\frac{3}{8}$ "x1'-0" w/ (4) #5x4'-6" A706 (GALV)
P301	7	6035 PSA SLOTTED INSERT
4T FL852	8	4T P-94 T-ANCHOR
8T FL149	8	8T P-92-P ERECTION ANCHOR w/ TENSION BAR (601) & SHEAR PLATE

**MODULE**

ITEM	QTY.	DESCRIPTION
M7	20	MODULE
M8	4	MODULE

**APPROVED**  
By kakulova at 11:46 am, Feb 20, 2013

**COLOR/FINISH**

1	FINISH #1 GPK-2465 SB-L
2	FINISH #2 -1 PASS TROWEL - NO LINES GPK-2465 SB-L

**TOP IN FORM FINISH**

FL	FLOAT FINISH / GREY	LOOK
----	---------------------	------

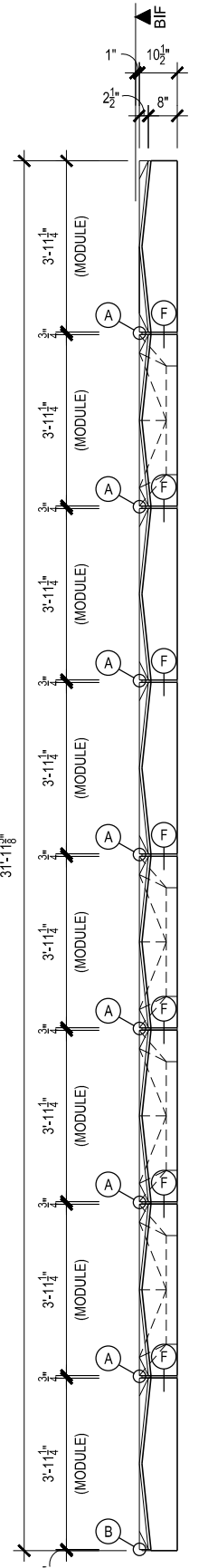
- UNIT Wt. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- WWF STEEL- ASTM A185

DRWN: LGF	CU. YD. 11.07
DATE: 01-29-13	WEIGHT: 44,801#
CHKR: DMG	SQ. FT.: 383
DATE: 02-18-13	JOB #: 13049
QUANTITY	PIECE MARK

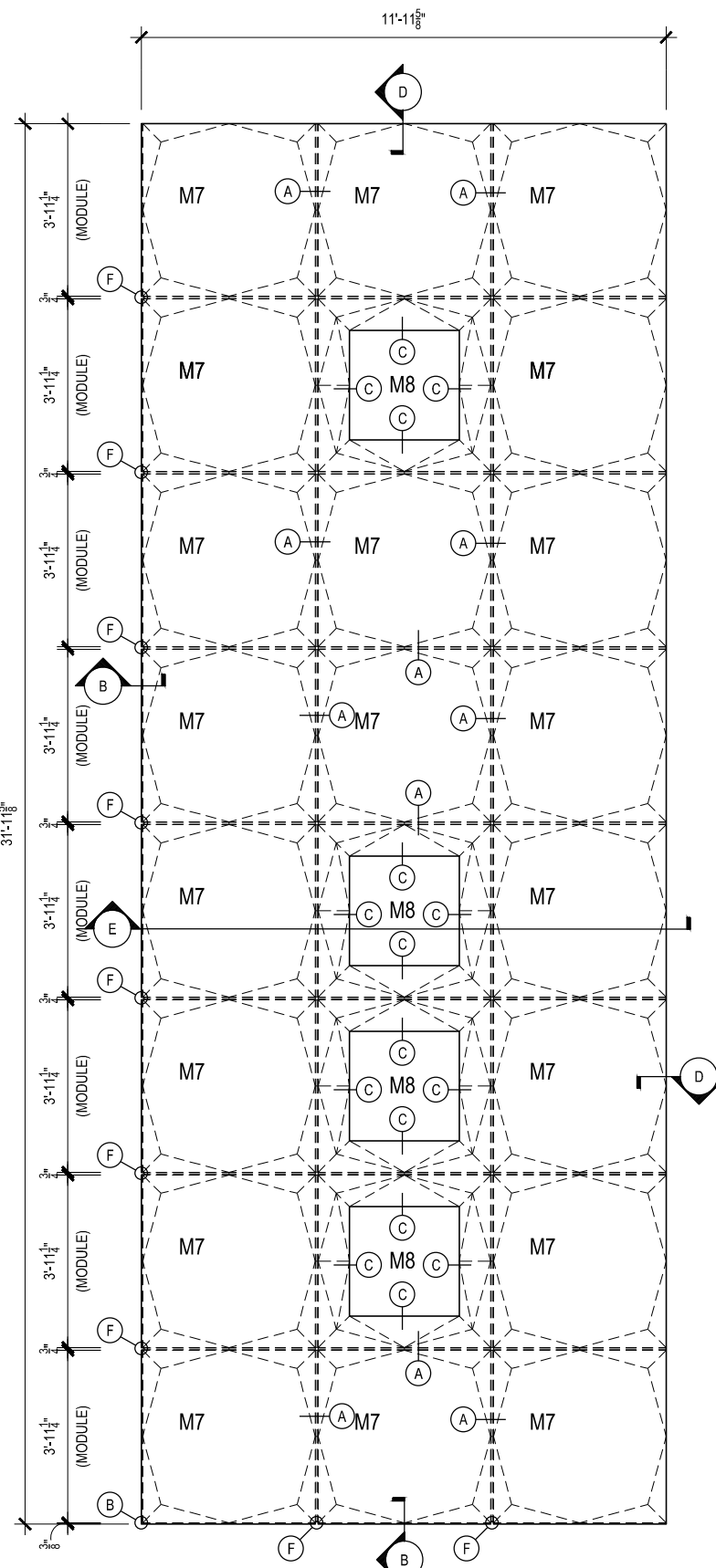
NO.	DATE:	DESCRIPTION
1		

**1 WP-93**

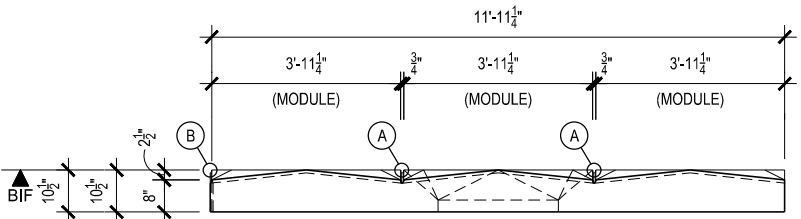
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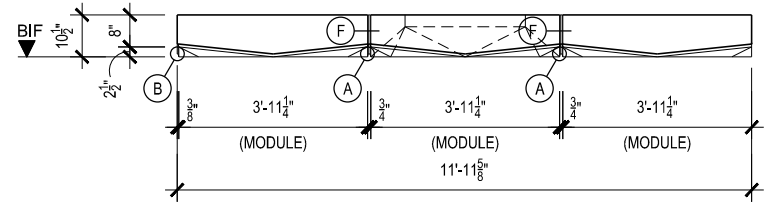
LEFT SIDE VIEW  
(MODULE LAYOUT)



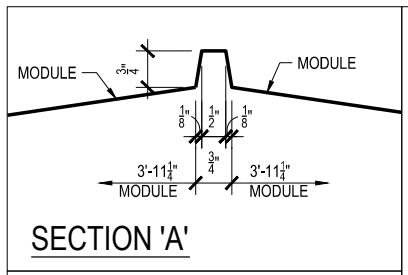
FORM VIEW  
(MODULE LAYOUT)



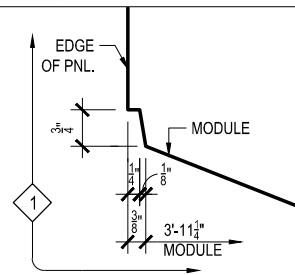
TOP VIEW  
(MODULE LAYOUT)



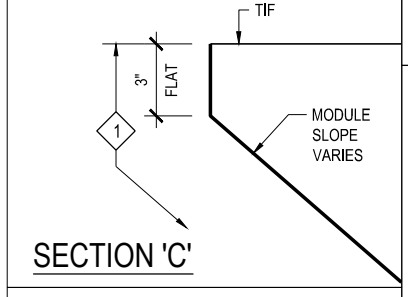
BOTTOM VIEW  
(MODULE LAYOUT)



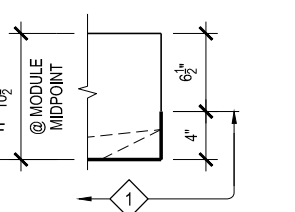
SECTION 'A'



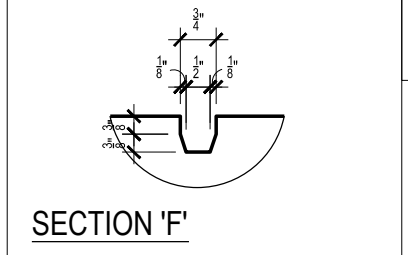
SECTION 'B'



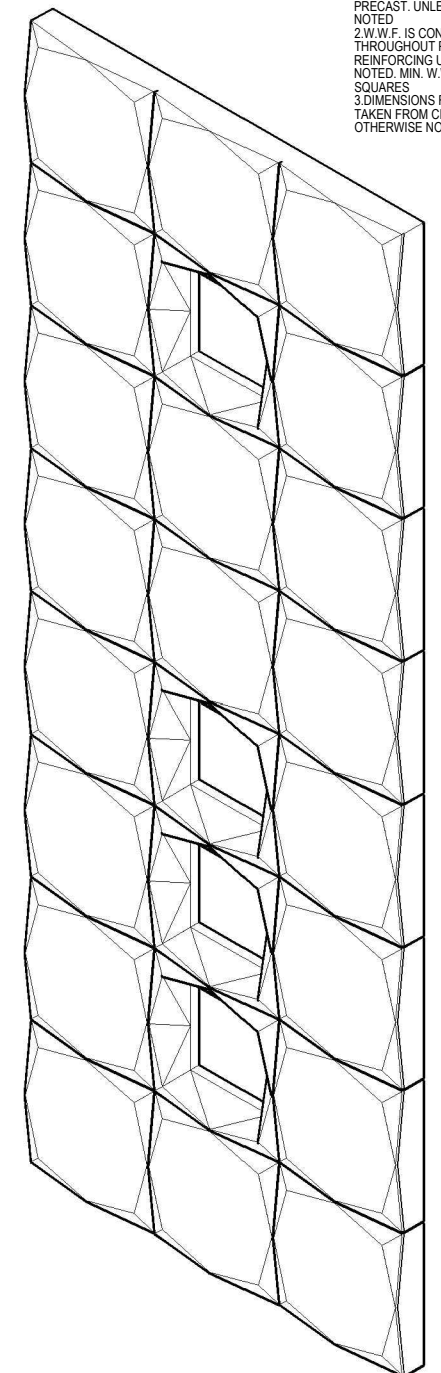
SECTION 'C'



SECTION 'D'



SECTION 'F'



ISOMETRIC VIEW

PRODUCTION NOTES  
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2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED, MIN. W.W.F. SPLICE TO BE 2 SQUARES  
3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

PLEASE SEE SHEET 3 OF 3  
FOR REINFORCING

NO.	DATE:	DESCRIPTION
REVISIONS		

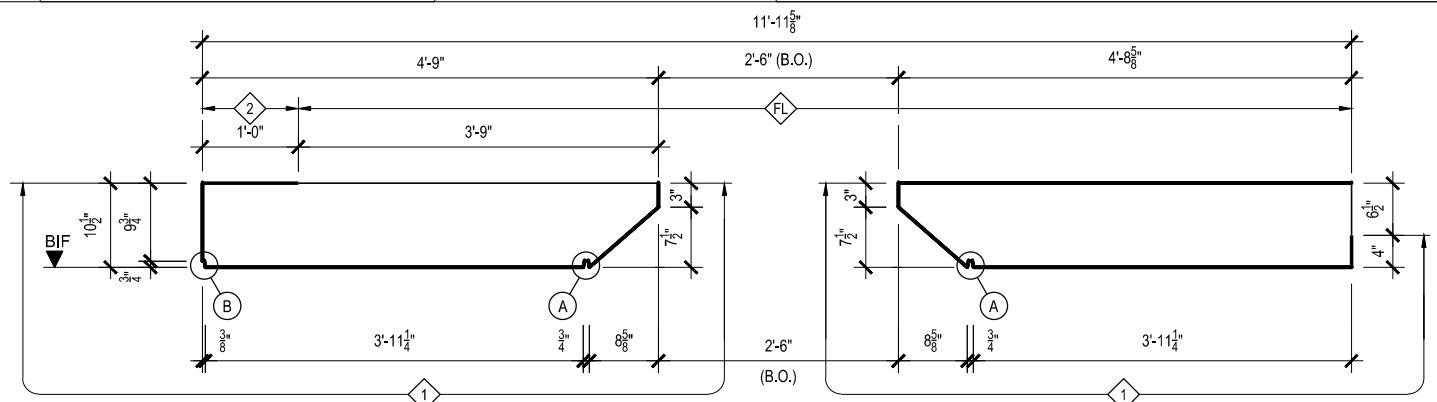
PLEASE SEE SHEET 1 OF 3  
FOR HARDWARE

**APPROVED**  
By kakulova at 11:46 am, Feb 20, 2013

PLEASE SEE SHEET 1 OF 3  
FOR FINISHES



- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

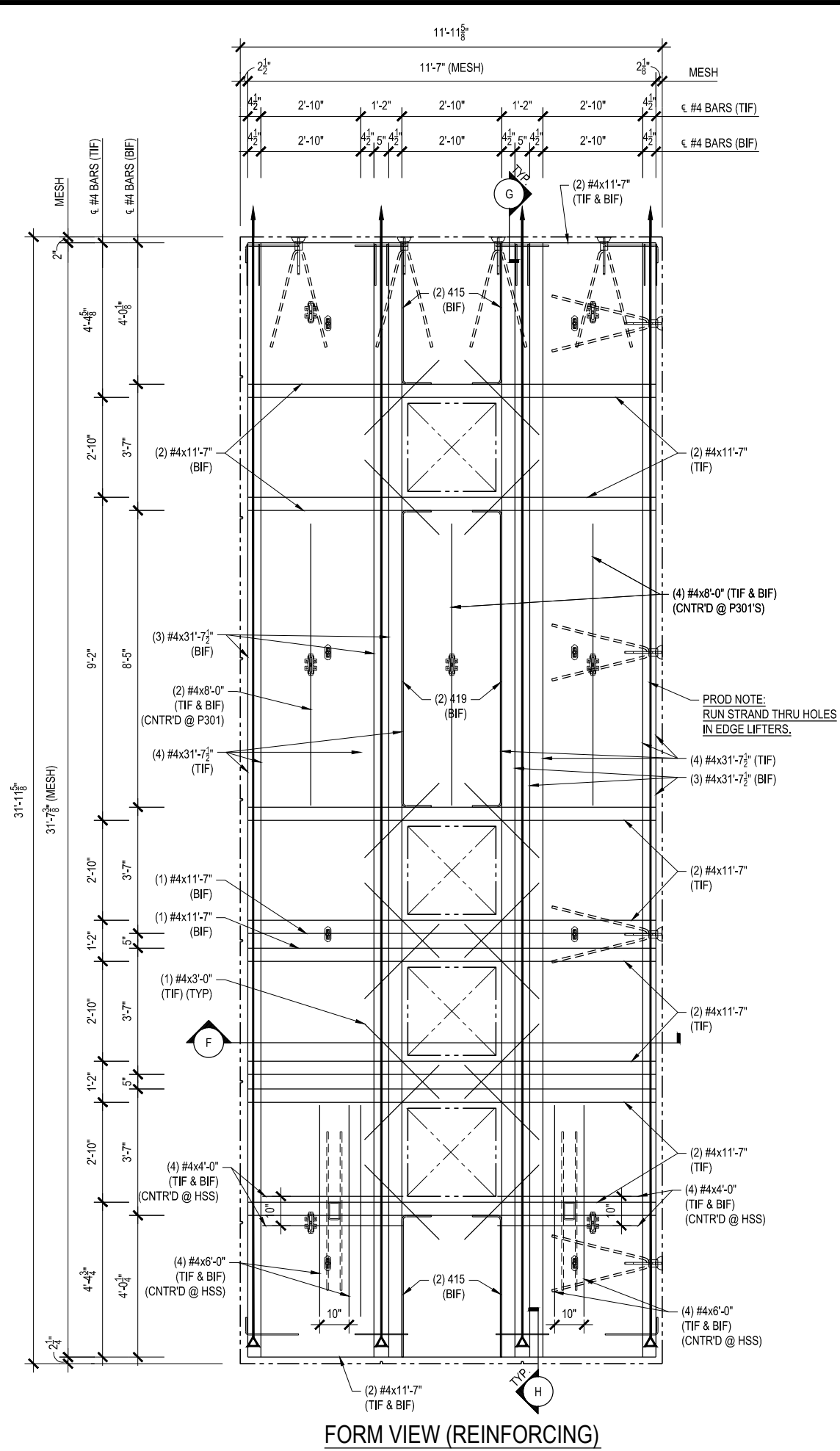


SECTION 'E'

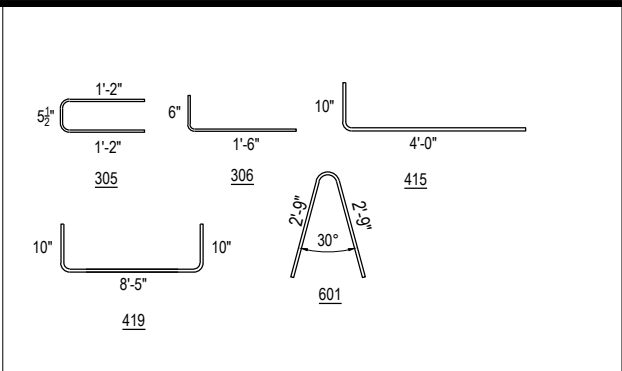
DRWN: LGF	CU. YD.
DATE: 01-29-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 02-18-13	JOB #: 13049
QUANTITY	PIECE MARK

1 WP-93

THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECT(S) WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

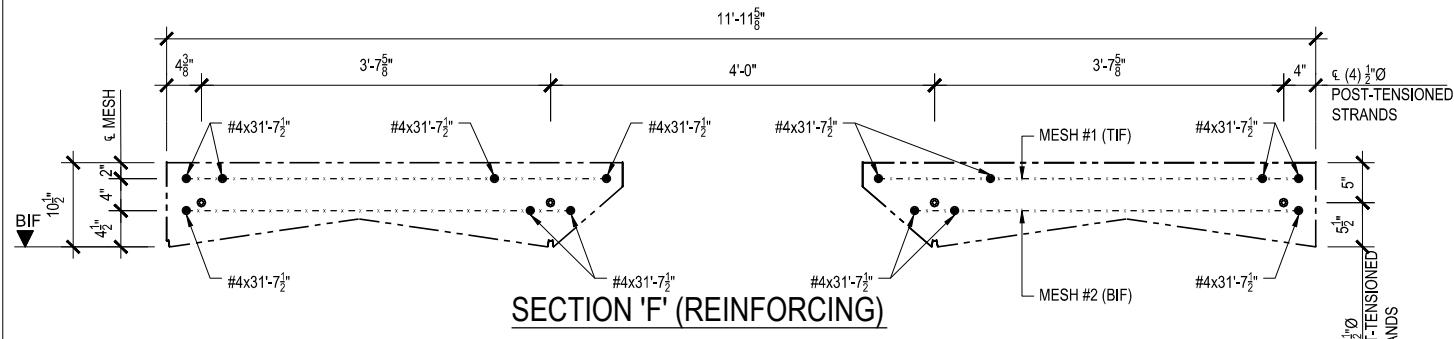
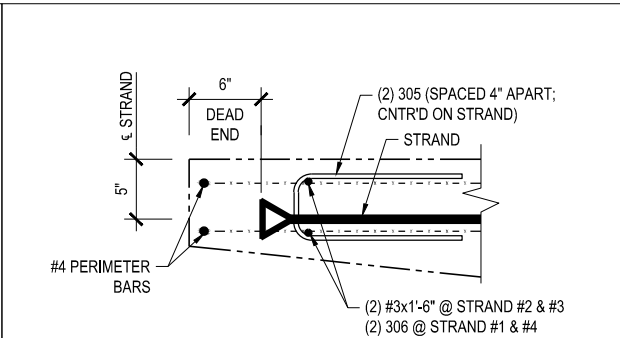
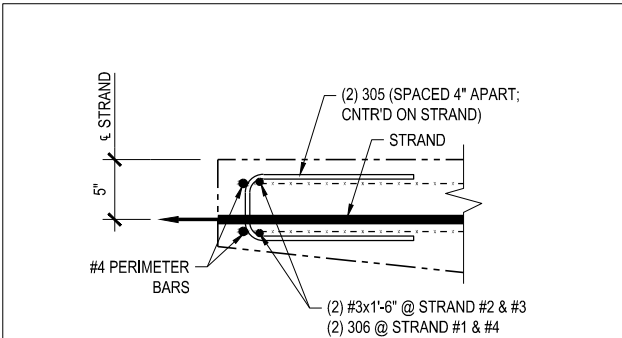


FORM VIEW (REINFORCING)

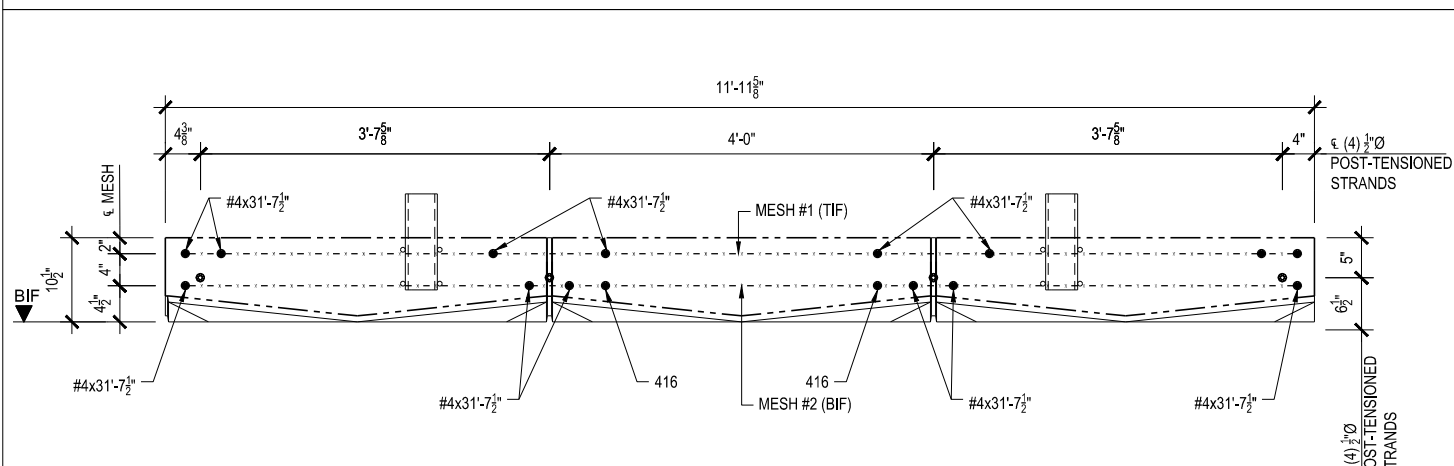


SECTION "G"

SECTION "H"



SECTION 'F' (REINFORCING)



BOTTOM VIEW (REINFORCING)

PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
305	16	#3 BENT BAR	44'-8" LF
306	8	#3 BENT BAR	16'-0" LF
415	4	#4 BENT BAR	19'-4" LF
419	2	#4 BENT BAR	20'-2" LF
601	8	#6 BENT BAR	44'-0" LF
8		#3x1'-6"	12'-0" LF
16		#4x3'-0"	48'-0" LF
8		#4x4'-0"	32'-0" LF
8		#4x6'-0"	48'-0" LF
6		#4x8'-0"	48'-0" LF
20		#4x11'-7"	231'-8" LF
14		#4x31'-7 1/2"	442'-9" LF

4		1/2" PRE-STRESSED; POST-TENSIONED STRANDS	
MESH #1	1 LVR.	6x6/W4xW4 WWF 11'-7" x 31'-7 1/2"	366 SF
MESH #2	1 LVR.	6x6/W4xW4 WWF 11'-7" x 31'-7 1/2"	366 SF

PLEASE SEE SHEET 1 OF 3 FOR HARDWARE

**APPROVED**  
 By kakulova at 11:46 am, Feb 20, 2013

PLEASE SEE SHEET 1 OF 3 FOR FINISHES

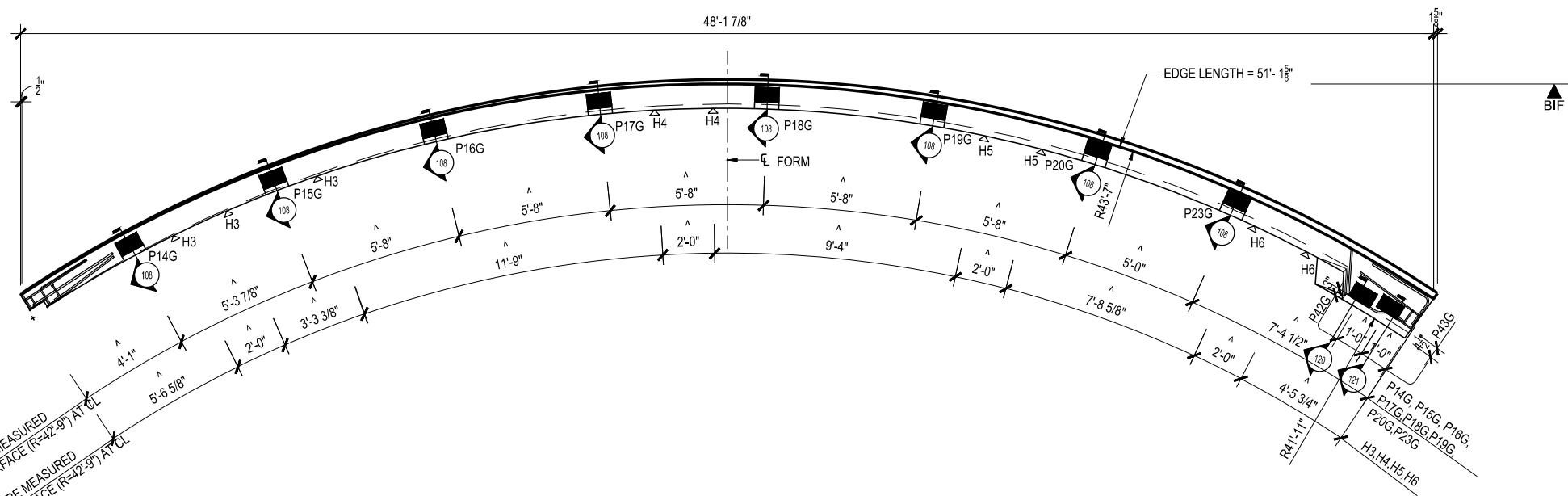
- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

DRWN: LGF	CU. YD.
DATE: 01-29-13	WEIGHT:
CHKR: DMG	SQ. FT.:
DATE: 02-18-13	JOB #: 13049
QUANTITY	PIECE MARK
1	WP-93

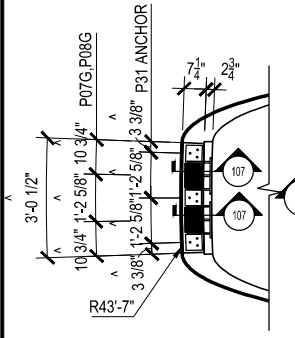
NO.	DATE:	DESCRIPTION
REVISIONS		

PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

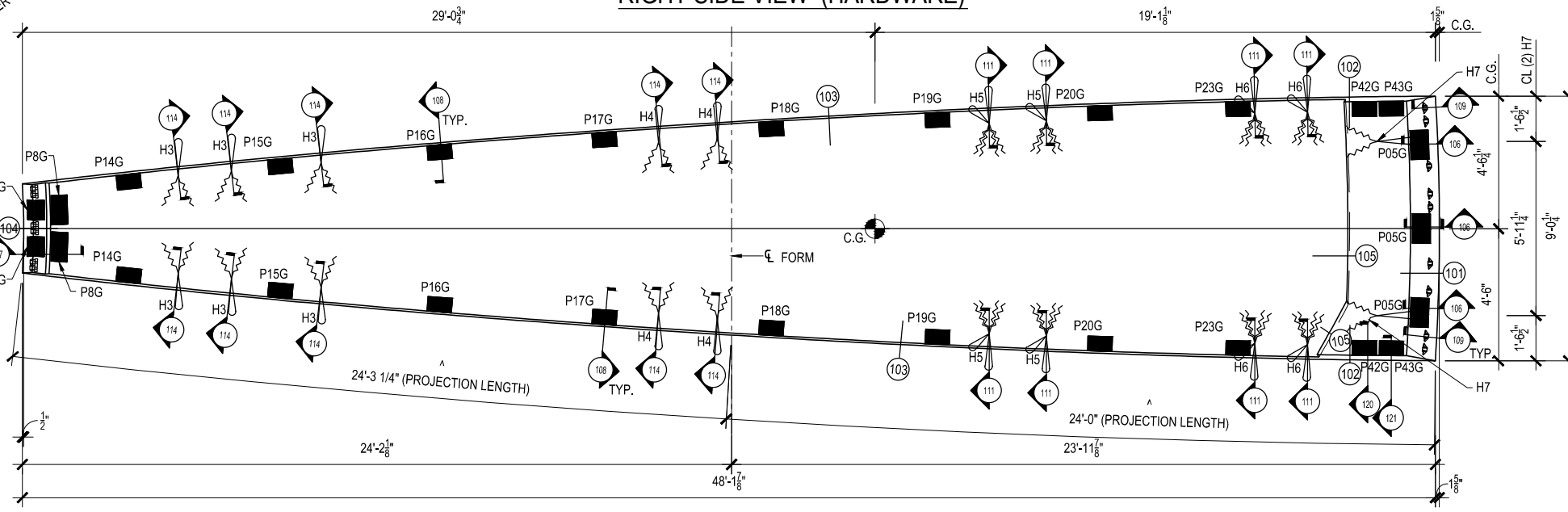
SEE SHEET 2,3, & 4 OF 7 FOR DETAILS  
 SEE SHEET 5 OF 7 FOR FORM VIEW  
 SEE SHEET 6,7 OF 7 FOR REINFORCING  
 SEE SHEET 2 OF 7 FOR HARDWARE CONTINUE



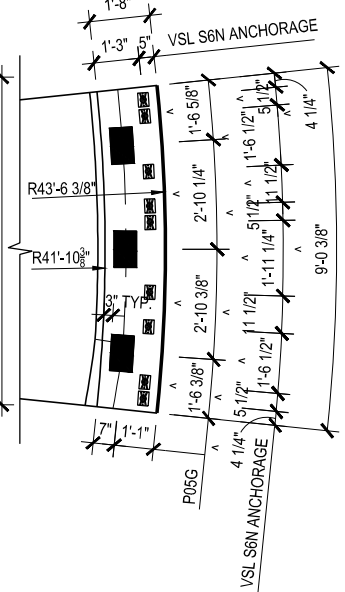
RIGHT SIDE VIEW (HARDWARE)



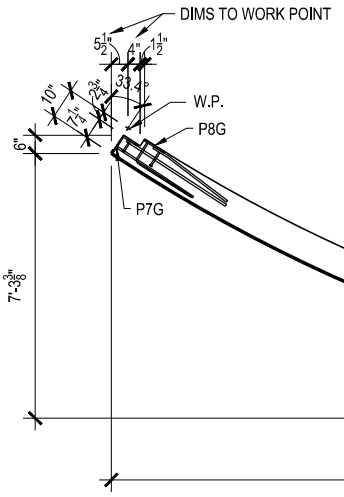
TOP SIDE VIEW (HARDWARE)



FORM VIEW (HARDWARE)



BOTTOM SIDE VIEW (HARDWARE)  
 ALIGNED TO BOTT. FACE (NOT NORMAL TO FORM SURFACE)



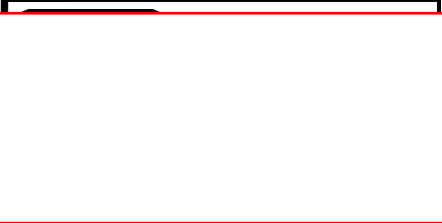
SECTION "A" VIEW (HARDWARE)

HARDWARE		
ITEM	QTY.	DESCRIPTION
P05G	3	L8x8x3/4x 1'-0" w/(3)-#5x3'-8" BENT A706, (3)-#5x2'-6" A706, (3)-#5x3'-4" BENT A706 & (2)-1/2" DIA.x 6" HAS (GALV.)
P07G	2	L6x6x1/2x 0'-8" w/(2)-#5x2'-6" A706, (2)-#6x3'-3" A706 & (2)-1/2" DIA.x 4" HAS (GALV.)
P08G	2	PL 1/2x8x 1'-0" w/(3)-#5x2'-6" BENT A706, (3)-#5x3'-0" BENT A706 & (2)-1/2" DIA.x 6" HAS (GALV.)
P14G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x3'-9 3/4" BENT BARS, (2)-#6x3'-7 1/4" A706 & (2)-1/2" DIA.x 4" HAS EACH L6
P15G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x4'-7" BENT BARS, (2)-#6x2'-0" A706 EACH L6 & (2)-1/2" DIA.x 4" HAS EACH L6
P16G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x5'-6 3/8" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2" DIA.x 4" HAS EACH L6
P17G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x6'-4 3/8" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2" DIA.x 4" HAS EACH L6
P18G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x7'-1 1/8" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2" DIA.x 4" HAS EACH L6
PT BARREL	9	0.6"Ø PT BARRELS W/ CHUCKS

COLOR/FINISH	
1	GPK 2465-SB-L (WHITE)

TOP IN FORM FINISH	
FL	FLOAT FINISH

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185



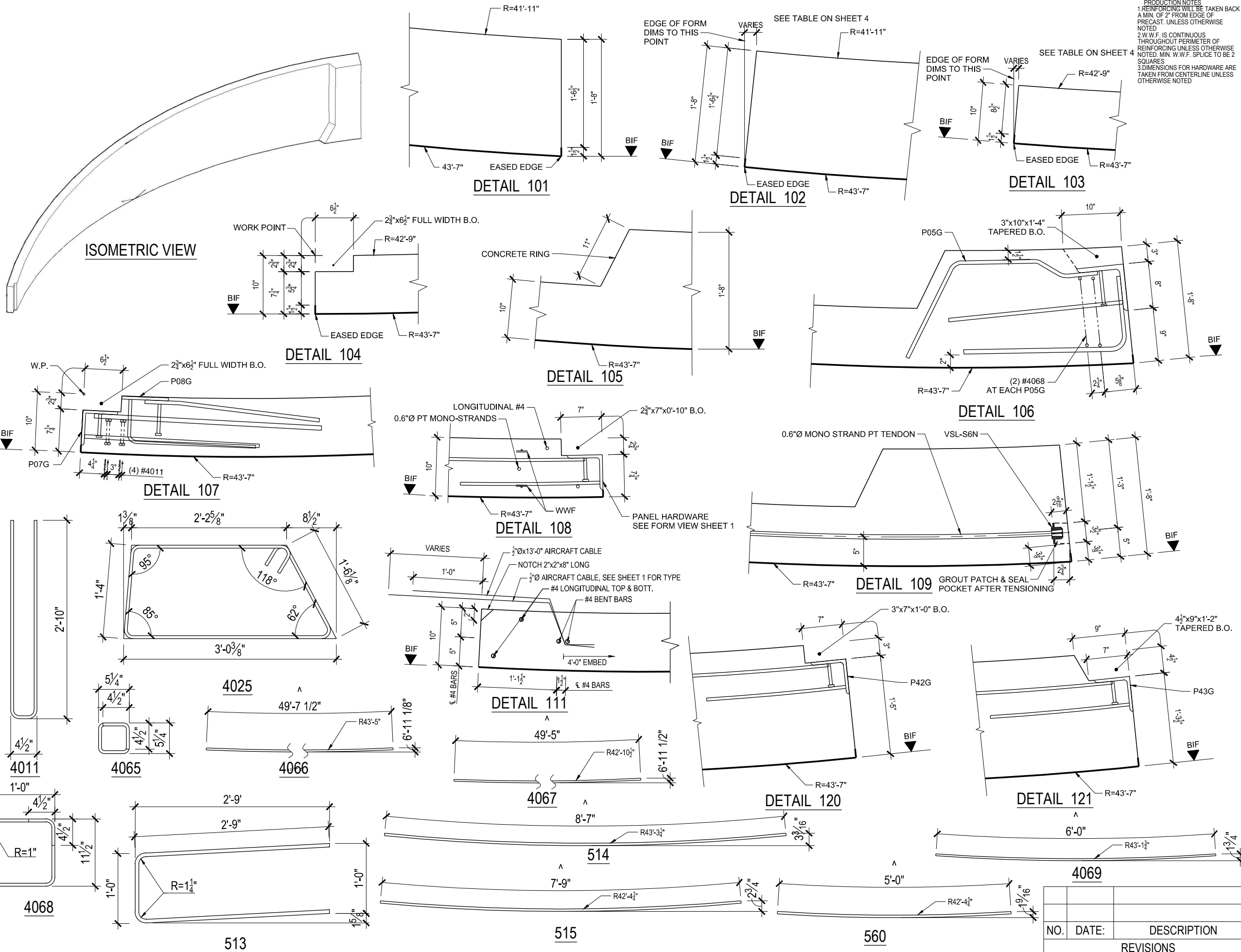
SHEET 1 OF 7			
DRWN: NRW	CU. YD. 11.36	DATE: 5-30-13	WEIGHT: 46,025
CHKR: NPR	SQ. FT.: 350.5	DATE: 5-30-13	JOB #: 13049
QUANTITY	PIECE MARK		
1	PA-05		

**APPROVED**  
 By Kate Akulova at 8:39 am, May 31, 2013

NO.	DATE:	DESCRIPTION
REVISIONS		

**PLANETARIUM TICKETS**





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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**SEE SHEET 6,7 OF 7 FOR REINFORCING**  
**SEE SHEET 1 OF 7 FOR HARDWARE**  
**SEE SHEET 1 OF 7 FOR FINISHES**  
**SEE SHEET 3 OF 7 FOR BENT BARS CONTINUE**

**HARDWARE**

ITEM	QTY.	DESCRIPTION
P19G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x7'-8 3/4" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
P20G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x8'-2 3/4" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
P23G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x8'-5 3/4" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
P42G	1	(2)-L6x6x1/2x 0'-10" w/ (3)-#7x8'-5 3/4" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
P43G	1	(2)-L6x6x1/2x 0'-10" w/ (3)-#7x8'-6 1/4" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
H3	6	3/8"Ø x 15'-0" AIRCRAFT CABLE
H4	4	3/8"Ø x 16'-9" AIRCRAFT CABLE
H5	4	3/8"Ø x 22'-0" AIRCRAFT CABLE & 3/8"Ø x 13'-0" AIRCRAFT CABLE
H6	4	3/8"Ø x 35'-0" AIRCRAFT CABLE & 3/8"Ø x 13'-0" AIRCRAFT CABLE
H7	2	3/8"Ø x 16'-6" AIRCRAFT CABLE
P31	3	PL 1x5 3/8"x5 3/8" W/ (3) 3/8"Ø HOLES.
VSL-S6N	9	VSL TYPE S6N MONO-STRAND SYSTEM ANCHOR

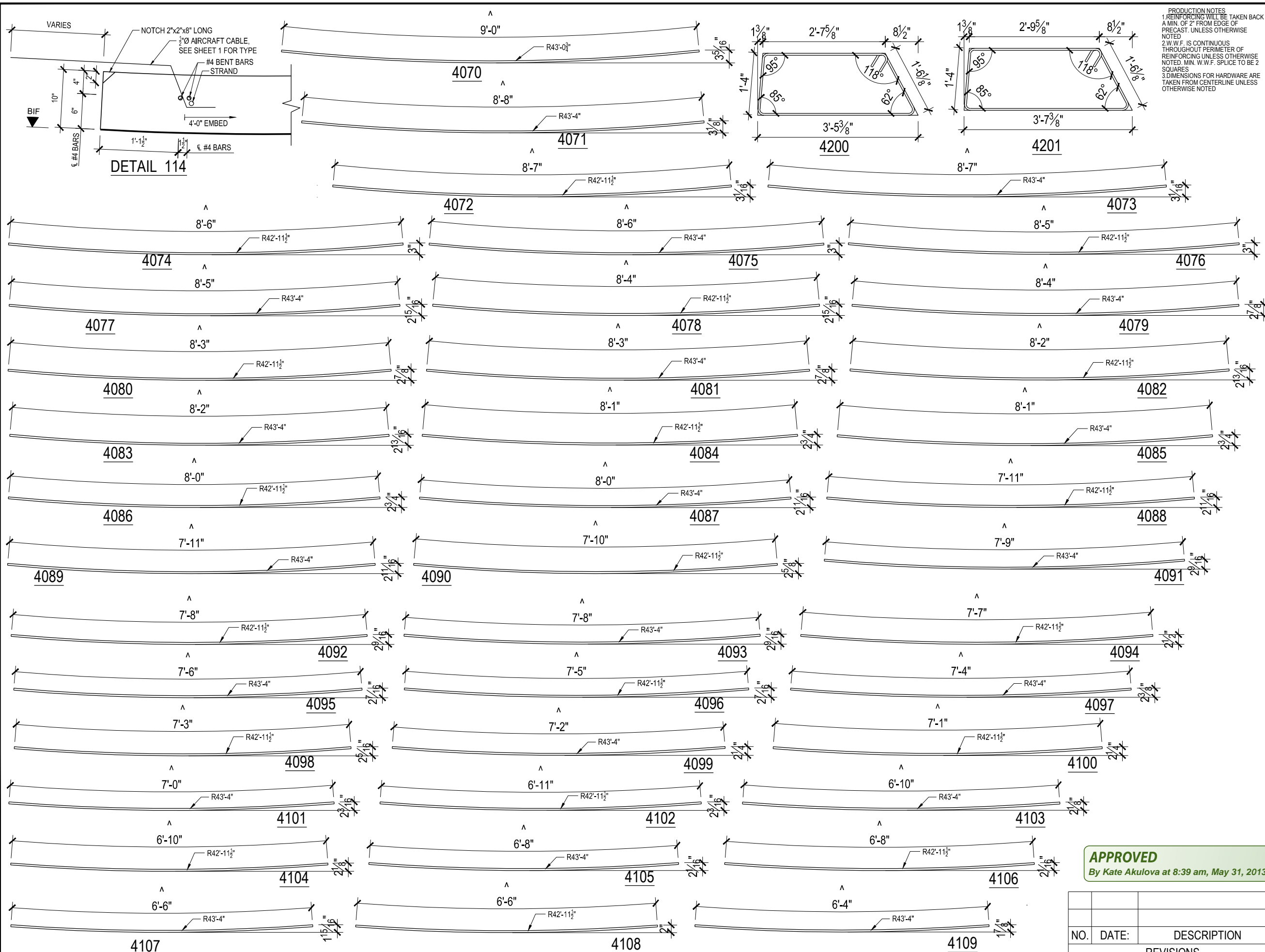
**APPROVED**  
 By Kate Akulova at 8:39 am, May 31, 2013

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

**SHEET 2 OF 7**

DRWN: NRW	CU. YD.
DATE: 5-30-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-30-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PA-05</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		



PRODUCTION NOTES  
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REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
#4070	4	#4 BENT BAR	36'-0" LF
#4071	1	#4 BENT BAR	8'-8" LF
#4072	2	#4 BENT BAR	8'-7" LF
#4073	2	#4 BENT BAR	8'-7" LF
#4074	2	#4 BENT BAR	8'-6" LF
#4075	1	#4 BENT BAR	8'-6" LF
#4076	1	#4 BENT BAR	8'-5" LF
#4077	1	#4 BENT BAR	8'-5" LF
#4078	1	#4 BENT BAR	8'-4" LF
#4079	1	#4 BENT BAR	8'-4" LF
#4080	1	#4 BENT BAR	8'-3" LF
#4081	1	#4 BENT BAR	8'-3" LF
#4082	1	#4 BENT BAR	8'-2" LF
#4083	1	#4 BENT BAR	8'-2" LF
#4084	1	#4 BENT BAR	8'-1" LF
#4085	1	#4 BENT BAR	8'-1" LF
#4086	1	#4 BENT BAR	8'-0" LF
#4087	1	#4 BENT BAR	8'-0" LF
#4088	1	#4 BENT BAR	7'-11" LF
#4089	1	#4 BENT BAR	7'-11" LF
#4090	1	#4 BENT BAR	7'-10" LF
#4091	1	#4 BENT BAR	7'-10" LF
#4092	1	#4 BENT BAR	7'-9" LF
#4093	1	#4 BENT BAR	7'-9" LF
#4094	1	#4 BENT BAR	7'-8" LF
#4095	1	#4 BENT BAR	7'-8" LF
#4096	1	#4 BENT BAR	7'-7" LF
#4097	1	#4 BENT BAR	7'-7" LF
#4098	1	#4 BENT BAR	7'-6" LF
#4099	1	#4 BENT BAR	7'-6" LF
#4100	1	#4 BENT BAR	7'-5" LF
#4101	1	#4 BENT BAR	7'-5" LF
#4102	1	#4 BENT BAR	7'-4" LF
#4103	1	#4 BENT BAR	7'-4" LF
#4104	1	#4 BENT BAR	7'-3" LF
#4105	1	#4 BENT BAR	7'-3" LF
#4106	1	#4 BENT BAR	7'-2" LF
#4107	1	#4 BENT BAR	7'-2" LF
#4108	1	#4 BENT BAR	7'-1" LF
#4109	1	#4 BENT BAR	7'-1" LF

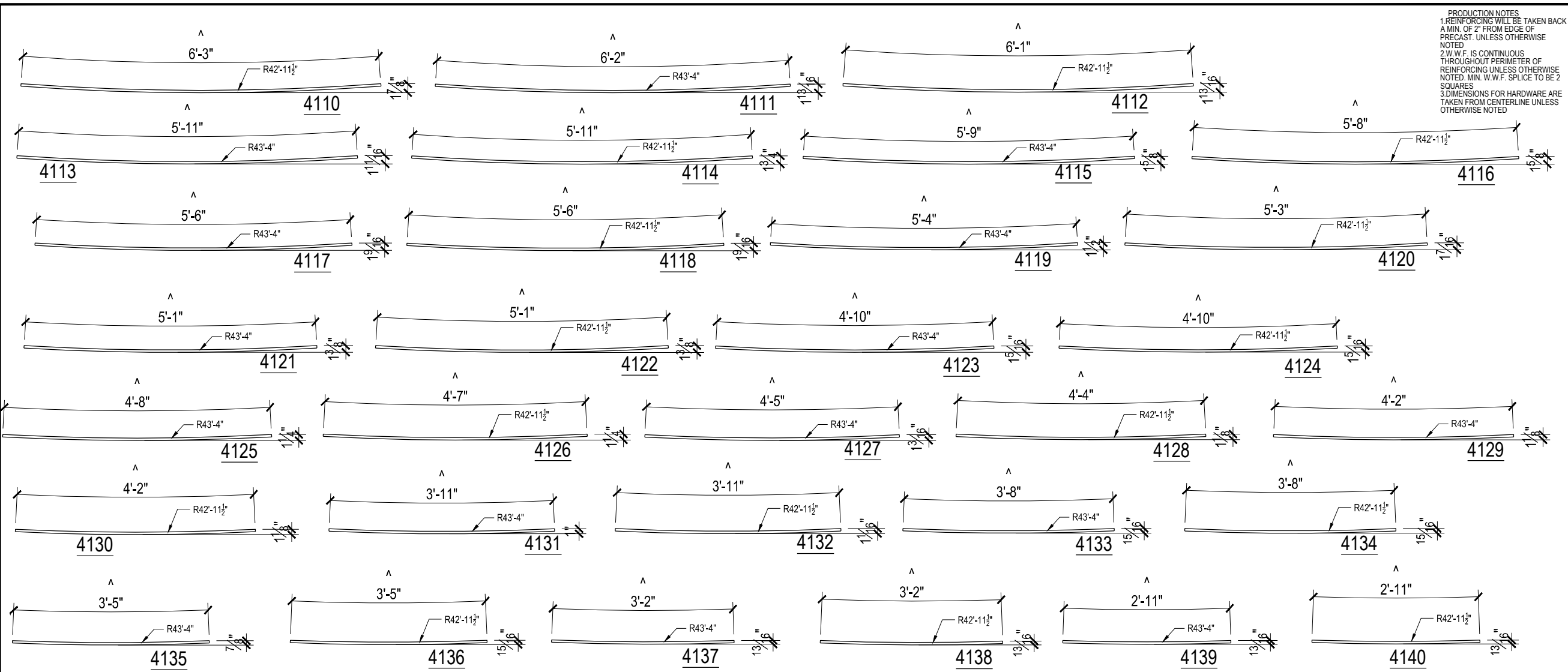
1. UNIT WL. OF CONCRETE = 150 pcf
2. RELEASE CONCRETE STRENGTH = 3500 PSI
3. 28 DAY CONCRETE STRENGTH = 5000 PSI
4. REINFORCING STEEL-ASTM A615 GRADE 60
5. WWF STEEL- ASTM A185

**APPROVED**  
 By Kate Akulova at 8:39 am, May 31, 2013

NO.	DATE:	DESCRIPTION
REVISIONS		

SHEET 3 OF 7

DRWN: NRW	CU. YD.
DATE: 5-30-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-30-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PA-05</b>	

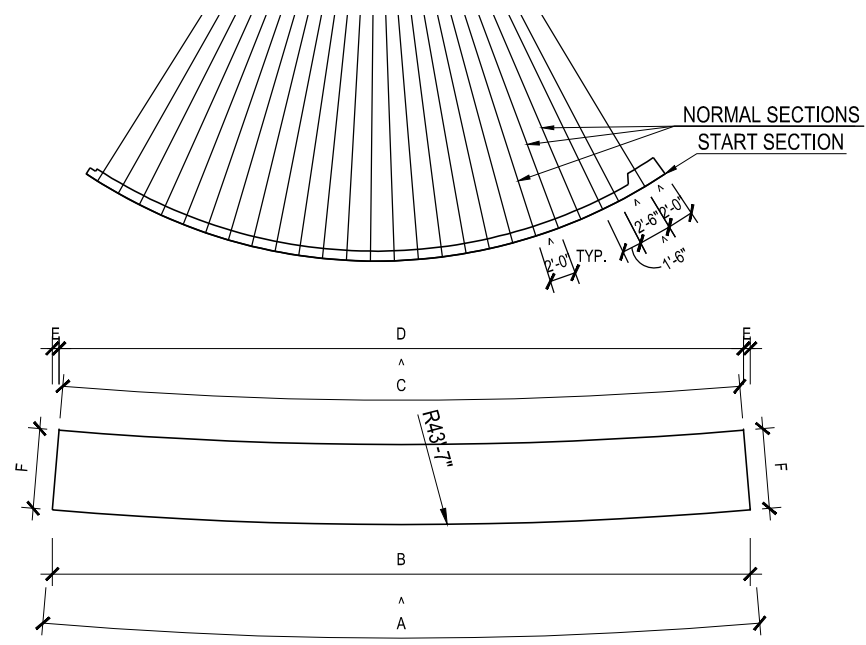


PRODUCTION NOTES  
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REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
#4110	1	#4 BENT BAR	6'-3" LF
#4111	1	#4 BENT BAR	6'-2" LF
#4112	1	#4 BENT BAR	6'-1" LF
#4113	1	#4 BENT BAR	5'-11" LF
#4114	1	#4 BENT BAR	5'-11" LF
#4115	1	#4 BENT BAR	5'-9" LF
#4116	1	#4 BENT BAR	5'-8" LF
#4117	1	#4 BENT BAR	5'-6" LF
#4118	1	#4 BENT BAR	5'-6" LF
#4119	1	#4 BENT BAR	5'-4" LF
#4120	1	#4 BENT BAR	5'-3" LF
#4121	1	#4 BENT BAR	5'-1" LF
#4122	1	#4 BENT BAR	5'-1" LF
#4123	1	#4 BENT BAR	4'-10" LF
#4124	1	#4 BENT BAR	4'-10" LF
#4125	1	#4 BENT BAR	4'-8" LF
#4126	1	#4 BENT BAR	4'-7" LF
#4127	1	#4 BENT BAR	4'-5" LF
#4128	1	#4 BENT BAR	4'-4" LF
#4129	1	#4 BENT BAR	4'-2" LF
#4130	1	#4 BENT BAR	4'-2" LF
#4131	1	#4 BENT BAR	3'-11" LF
#4132	1	#4 BENT BAR	3'-11" LF
#4133	1	#4 BENT BAR	3'-8" LF
#4134	1	#4 BENT BAR	3'-8" LF
#4135	1	#4 BENT BAR	3'-5" LF
#4136	1	#4 BENT BAR	3'-5" LF
#4137	1	#4 BENT BAR	3'-2" LF
#4138	1	#4 BENT BAR	3'-2" LF
#4139	1	#4 BENT BAR	2'-11" LF
#4140	1	#4 BENT BAR	2'-11" LF

ARC LENGTH FROM BASE OF PNL. @ CL	A	B	C	D	E	F
2'-0"	9'-0 1/16"	8'-11 7/8"	8'-7 7/8"	8'-7 11/16"	2 1/16"	1'-8"
4'-6"	8'-11 5/16"	8'-11 1/8"	8'-9 1/4"	8'-9 1/16"	1 1/16"	0'-10"
6'-0"	8'-10 11/16"	8'-10 1/2"	8'-8 5/8"	8'-8 7/16"	1"	0'-10"
8'-0"	8'-9 5/8"	8'-9 7/16"	8'-7 5/8"	8'-7 7/16"	1"	0'-10"
10'-0"	8'-8 3/8"	8'-8 3/16"	8'-6 3/8"	8'-6 3/16"	1"	0'-10"
12'-0"	8'-6 7/8"	8'-6 3/4"	8'-4 15/16"	8'-4 3/4"	1"	0'-10"
14'-0"	8'-5 3/16"	8'-5 1/16"	8'-3 1/4"	8'-3 1/8"	1"	0'-10"
16'-0"	8'-3 5/16"	8'-3 1/8"	8'-1 3/8"	8'-1 1/4"	15/16"	0'-10"
18'-0"	8'-1 3/16"	8'-1 1/16"	7'-11 5/16"	7'-11 3/16"	15/16"	0'-10"
20'-0"	7'-10 7/8"	7'-10 3/4"	7'-9"	7'-8 7/8"	15/16"	0'-10"
22'-0"	7'-8 5/16"	7'-8 3/16"	7'-6 9/16"	7'-6 7/16"	7/8"	0'-10"
24'-0"	7'-5 5/8"	7'-5 1/2"	7'-3 7/8"	7'-3 3/4"	7/8"	0'-10"
26'-0"	7'-2 11/16"	7'-2 9/16"	7'-1"	7'-0 15/16"	13/16"	0'-10"

ARC LENGTH FROM BASE OF PNL. @ CL	A	B	C	D	E	F
28'-0"	6'-11 9/16"	6'-11 1/2"	6'-9 15/16"	6'-9 7/8"	13/16"	0'-10"
30'-0"	6'-8 5/16"	6'-8 1/4"	6'-6 3/4"	6'-6 11/16"	3/4"	0'-10"
32'-0"	6'-4 7/8"	6'-4 13/16"	6'-3 3/8"	6'-3 5/16"	3/4"	0'-10"
34'-0"	6'-1 1/4"	6'-1 3/16"	5'-11 13/16"	5'-11 3/4"	11/16"	0'-10"
36'-0"	5'-9 7/16"	5'-9 7/16"	5'-8 1/8"	5'-8 1/16"	11/16"	0'-10"
38'-0"	5'-5 9/16"	5'-5 1/2"	5'-4 1/4"	5'-4 1/4"	5/8"	0'-10"
40'-0"	5'-1 7/16"	5'-1 7/16"	5'-0 1/4"	5'-0 1/4"	5/8"	0'-10"
42'-0"	4'-9 1/4"	4'-9 1/4"	4'-8 1/8"	4'-8 1/8"	9/16"	0'-10"
44'-0"	4'-4 15/16"	4'-4 15/16"	4'-3 7/8"	4'-3 7/8"	1/2"	0'-10"
46'-0"	4'-0 1/2"	4'-0 1/2"	3'-11 9/16"	3'-11 9/16"	1/2"	0'-10"
48'-0"	3'-7 15/16"	3'-7 15/16"	3'-7 1/8"	3'-7 1/16"	7/16"	0'-10"
50'-0"	3'-3 5/16"	3'-3 5/16"	3'-2 9/16"	3'-2 9/16"	3/8"	0'-10"



TRANSVERSE PANEL GEOMETRY

SECTIONS NORMAL TO FORM SURFACE

SEE SHEET 6,7 OF 7 FOR REINFORCING  
 SEE SHEET 1 OF 7 FOR HARDWARE  
 SEE SHEET 1 OF 7 FOR FINISHES

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185



SHEET 4 OF 7

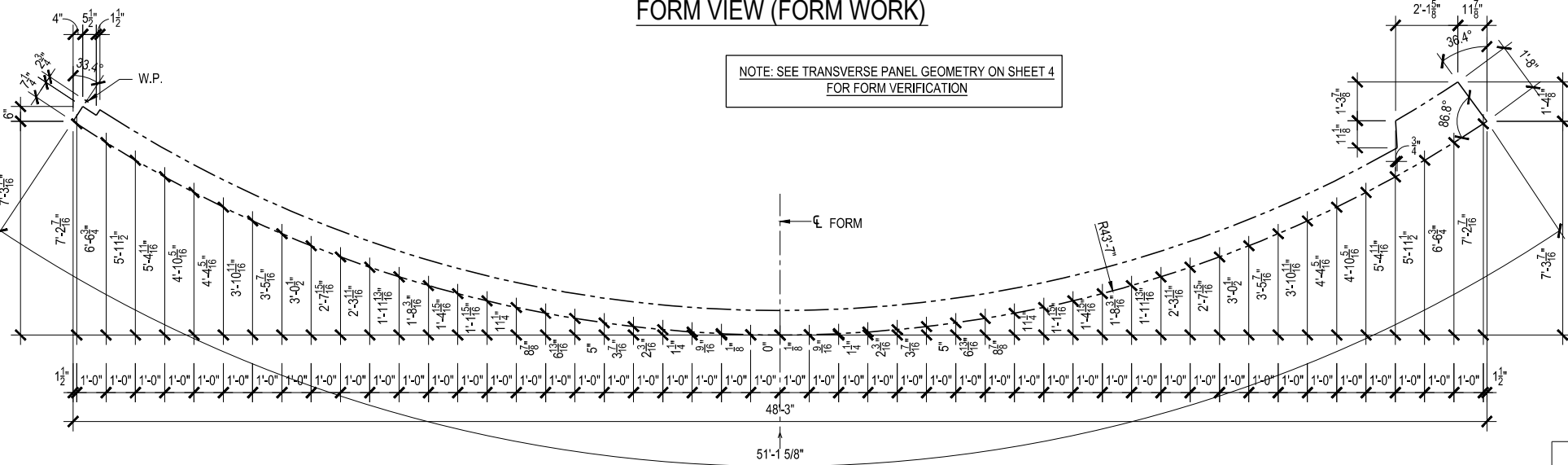
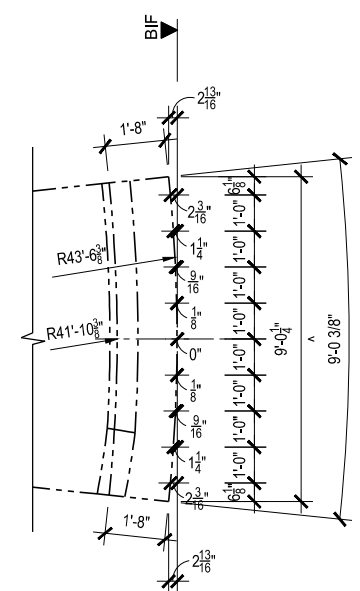
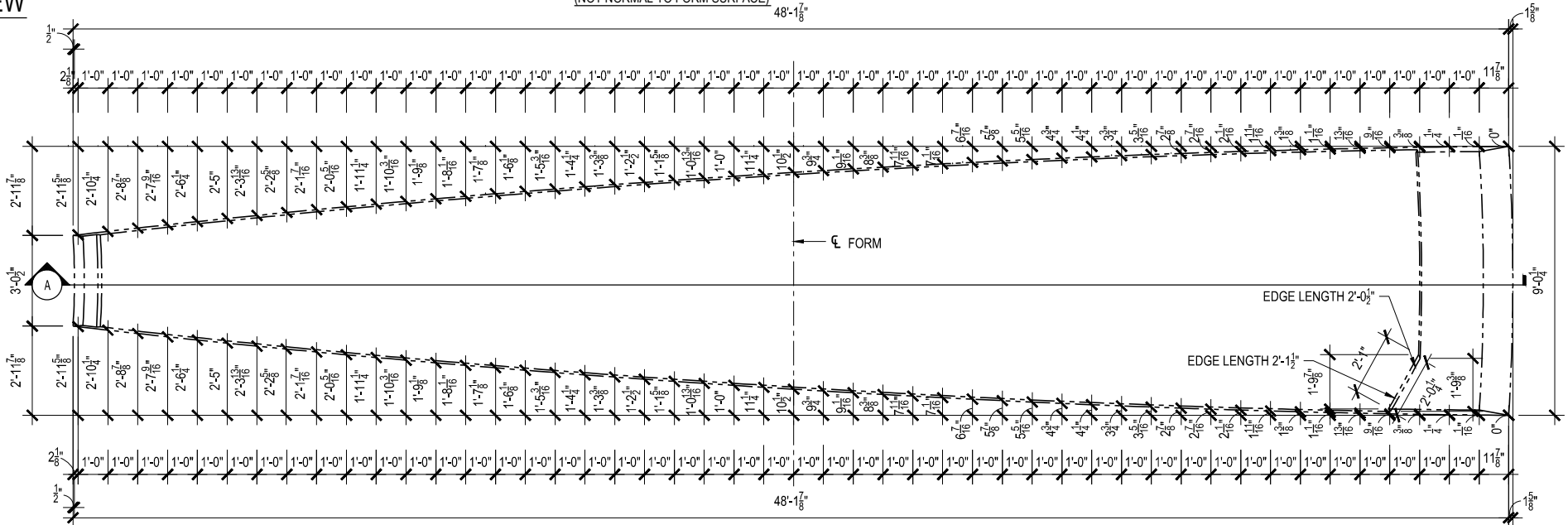
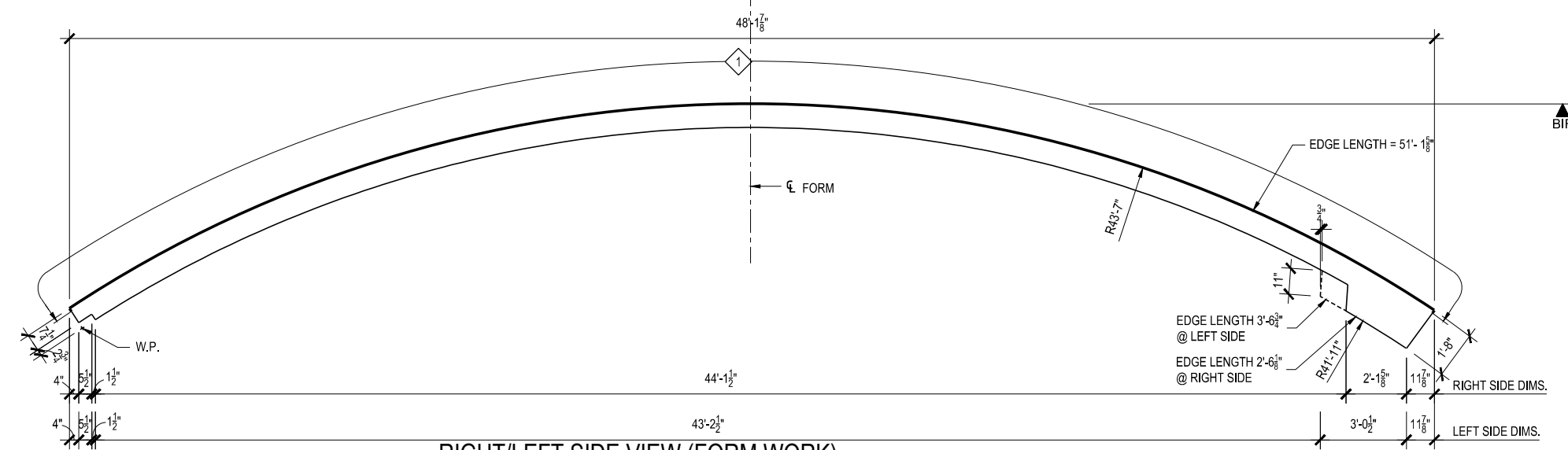
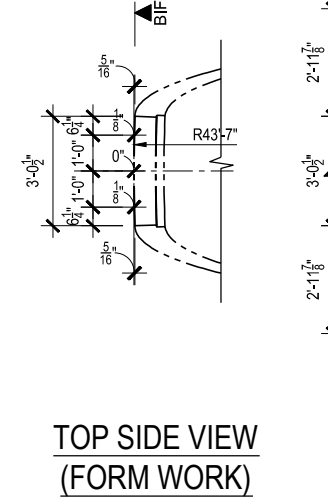
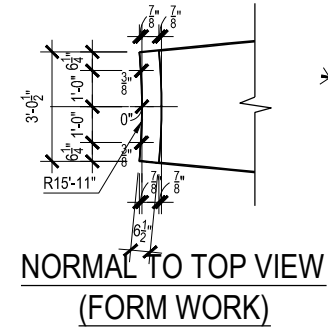
DRWN: NRW	CU. YD.
DATE: 5-30-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-30-13	JOB #: 13049
QUANTITY	PIECE MARK
PA-05	

**APPROVED**  
 By Kate Akulova at 8:39 am, May 31, 2013

NO.	DATE:	DESCRIPTION
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.



NOTE: SEE TRANSVERSE PANEL GEOMETRY ON SHEET 4 FOR FORM VERIFICATION

SEE SHEET 1 OF 7 FOR HARDWARE

SEE SHEET 2,3,4 OF 7 FOR BENT BARS & ISOMETRIC VIEW

SEE SHEET 1 OF 7 FOR FINISHES

**APPROVED**  
 By Kate Akulova at 8:39 am, May 31, 2013

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

SHEET 5 OF 7

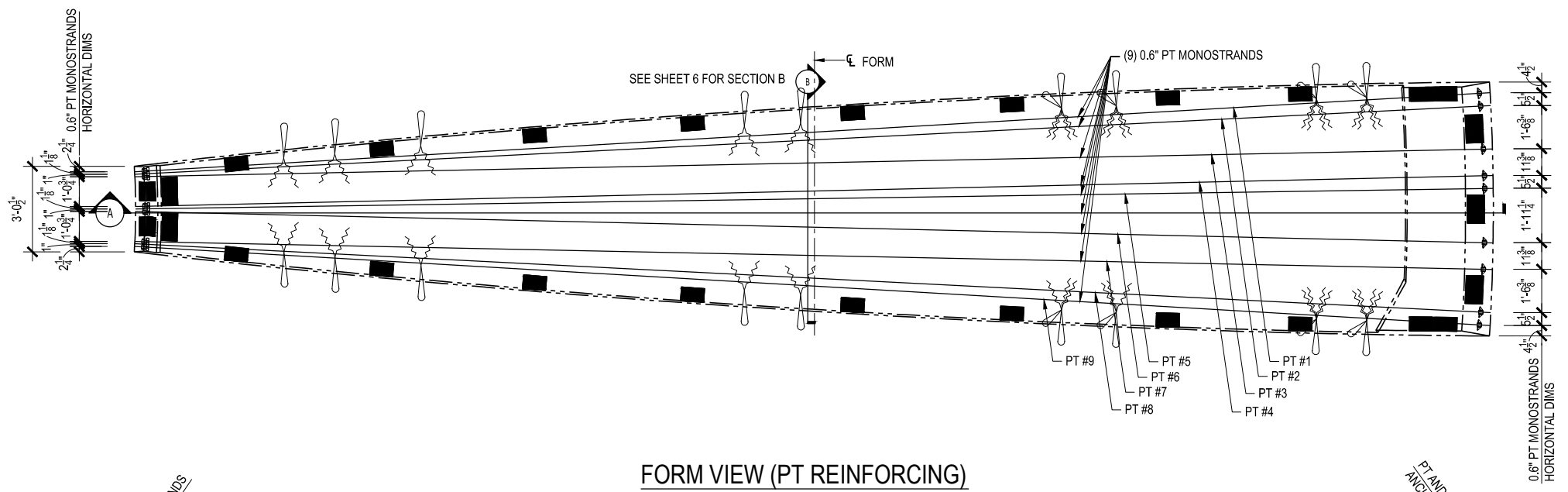
DRWN: NRW	CU. YD.
DATE: 5-30-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-30-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PA-05</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		

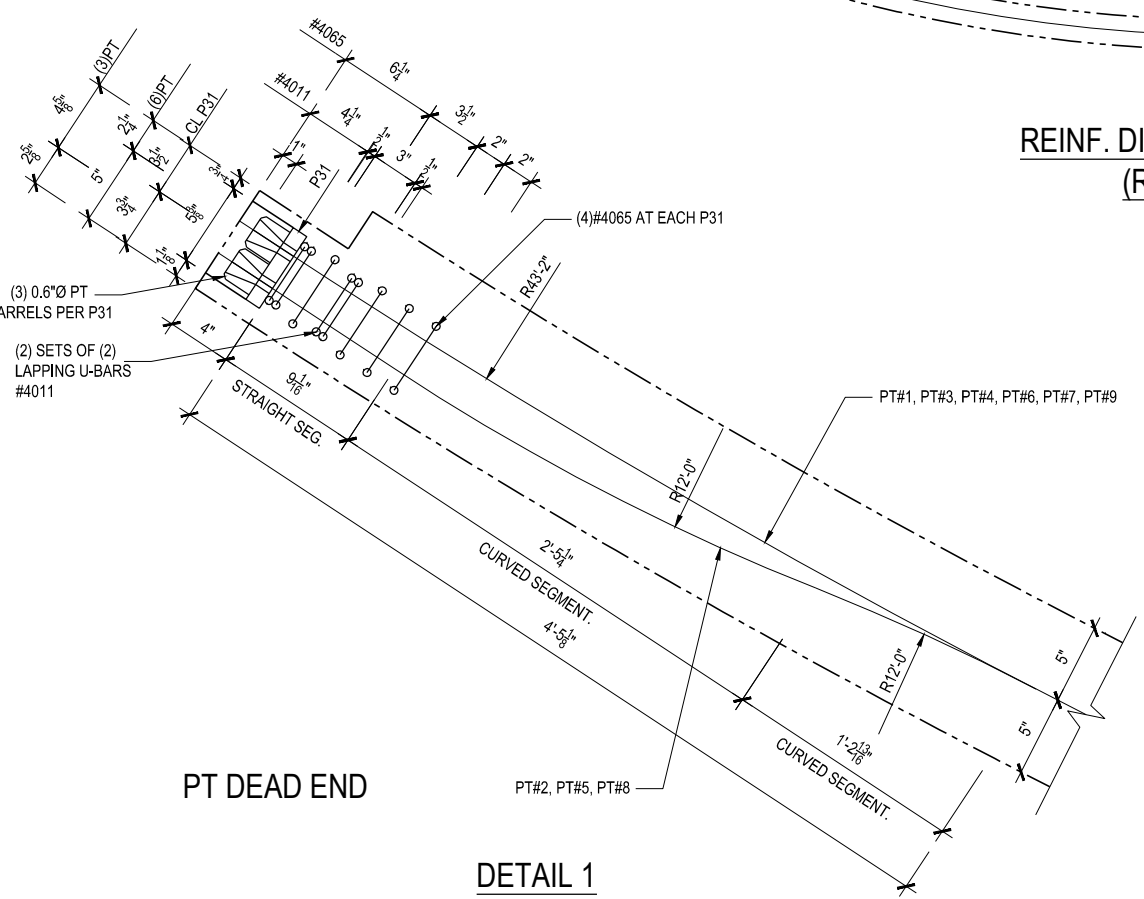
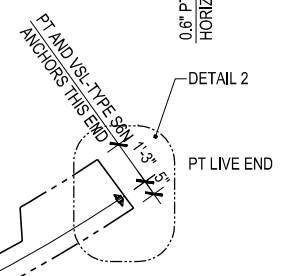
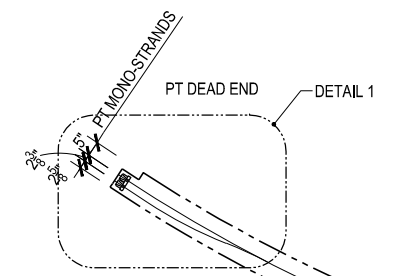




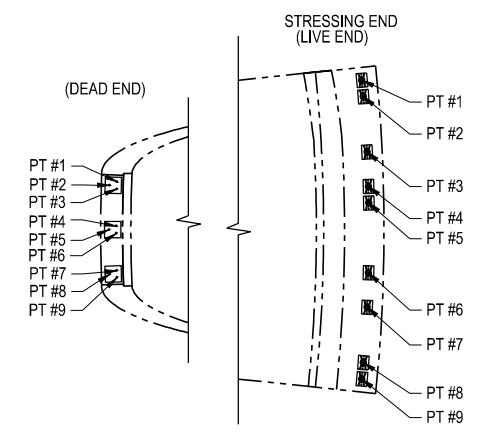
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FORM VIEW (PT REINFORCING)

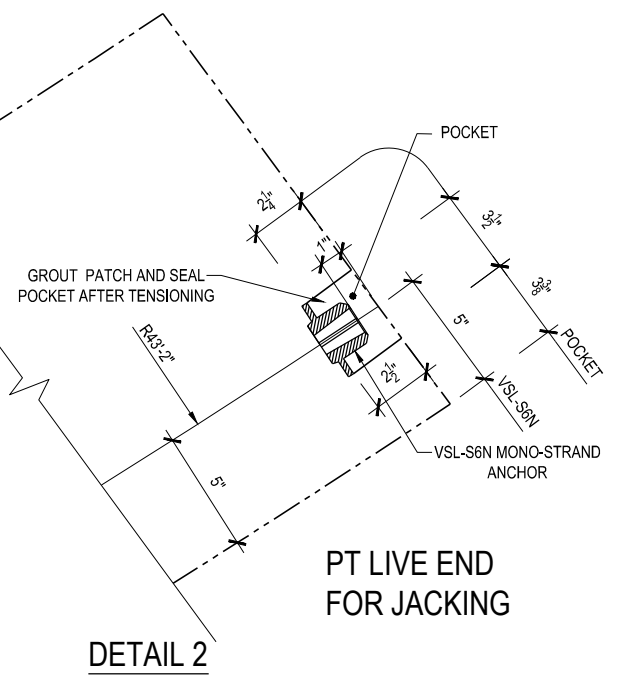


REINF. DIAGRAM @ SECTION "A" (REINFORCING)



PT ARRANGEMENT DIAGRAM

- PT PRODUCTION NOTES:
- PANEL CAN BE STRIPPED FROM MOLD & MOVED TO YARD.
  - WHEN PANEL REACHES  $f'c = 5000$  PSI, THE (9) 0.6" MONO-STRANDS CAN BE POST TENSIONED.
  - POST-TENSION START AT MID WIDTH. PATTERN: 4,6,5,7,3,9, 1,8,2
  - APPLY PT IN TWO-INCREMENTS  
 A- 20% TO TAKE SLACK OUT  
 B- FINAL JACKING FORCE PER STRAND = 43.9K.
  - EXTENSION & GAUGE PRESSURE SHOULD CORRESPOND W/ FINAL JACKING FORCE



DETAIL 2

**APPROVED**  
 By Kate Akulova at 8:39 am, May 31, 2013

SEE SHEET 1 OF 7 FOR HARDWARE  
 SEE SHEET 2,3,4 OF 7 FOR BENT BARS & ISOMETRIC VIEW  
 SEE SHEET 1 OF 7 FOR FINISHES

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- WWF STEEL- ASTM A185

SHEET 7 OF 7

DRWN: NRW	CU. YD.
DATE: 5-30-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-30-13	JOB #: 13049
QUANTITY	PIECE MARK

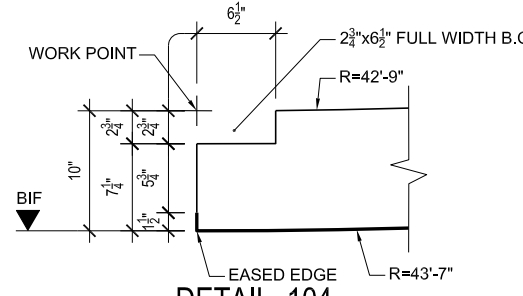
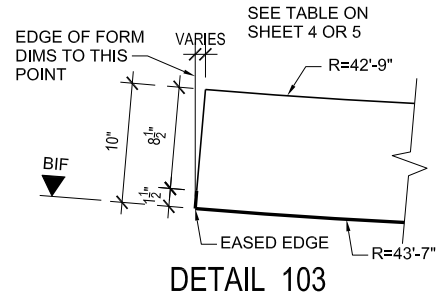
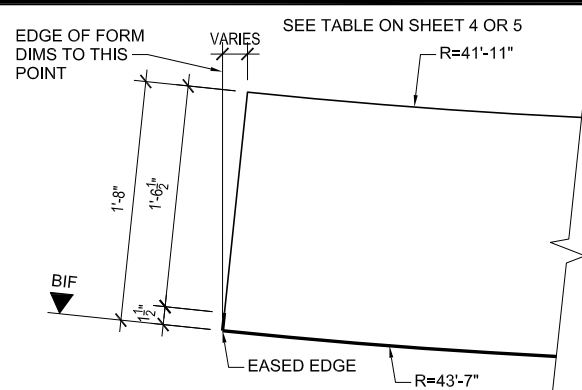
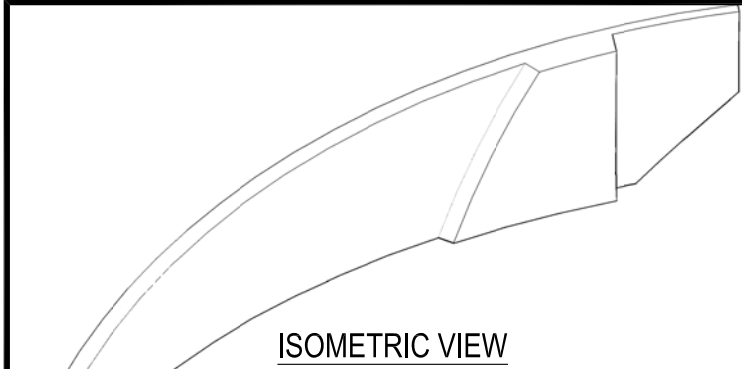
NO.	DATE:	DESCRIPTION
REVISIONS		

PA-05

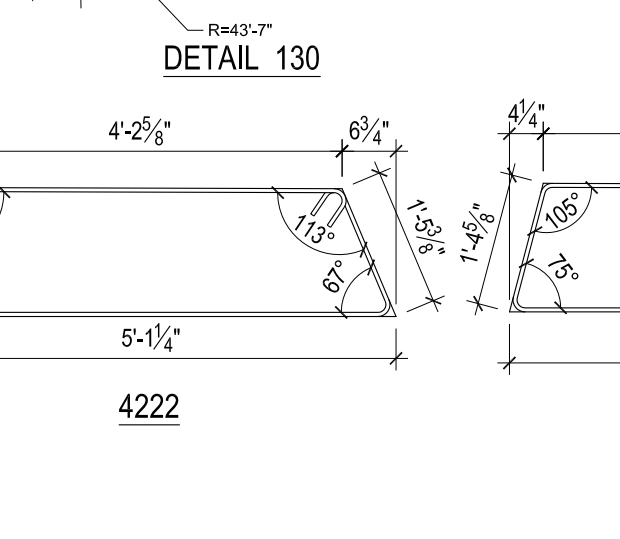
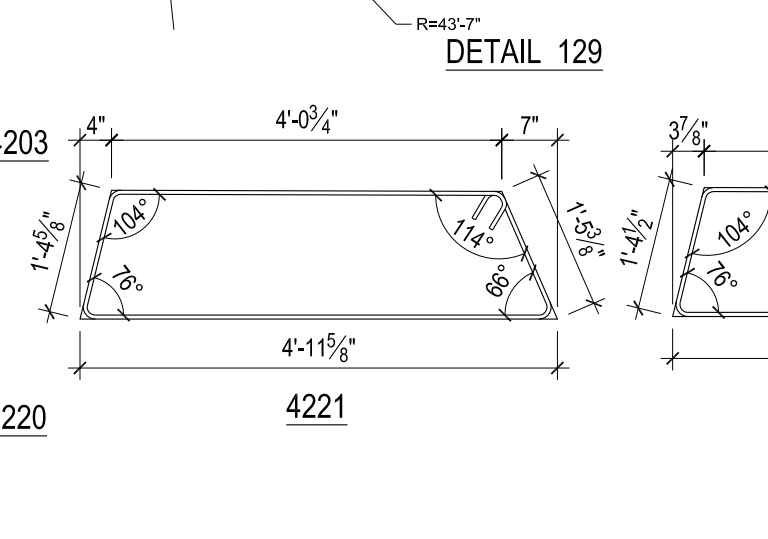
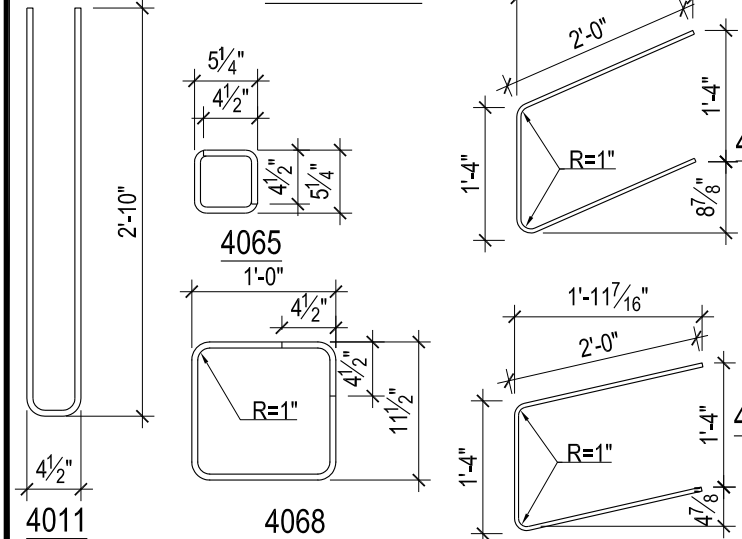
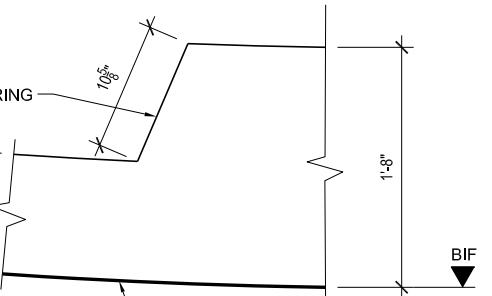
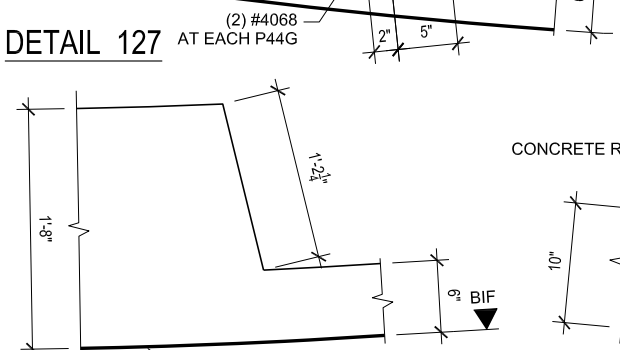
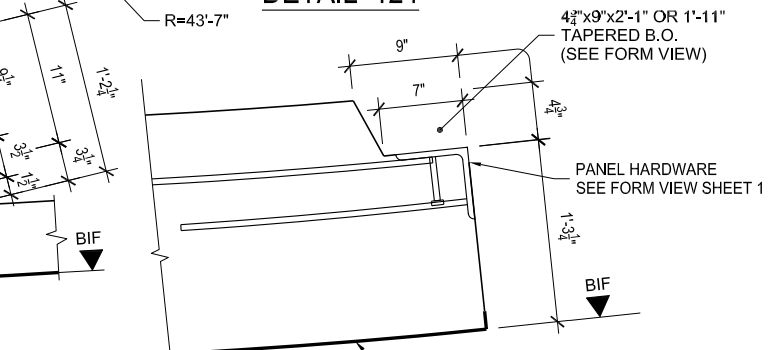
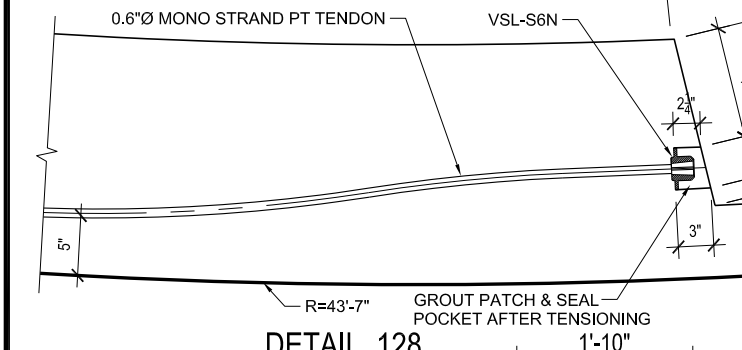
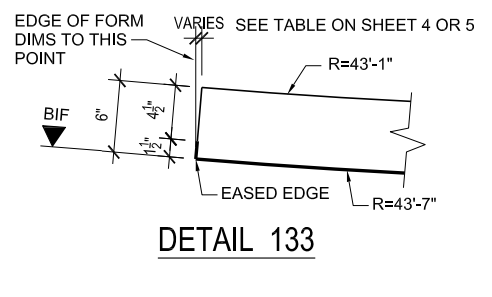
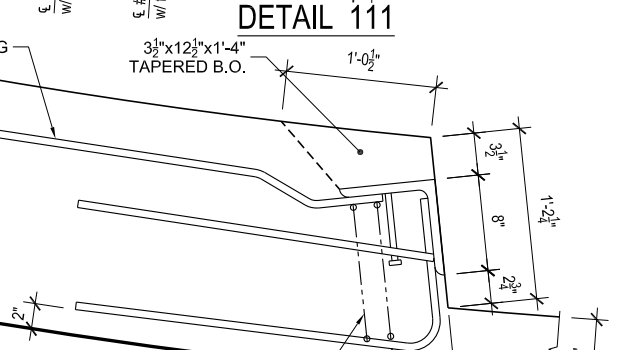
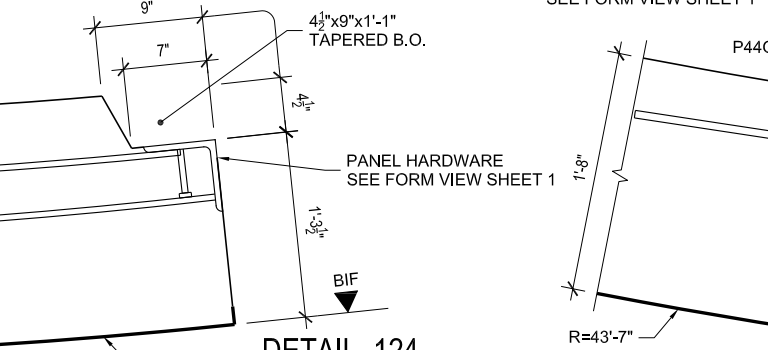
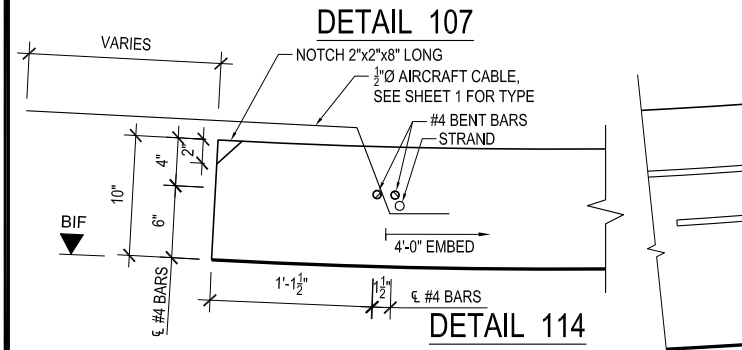
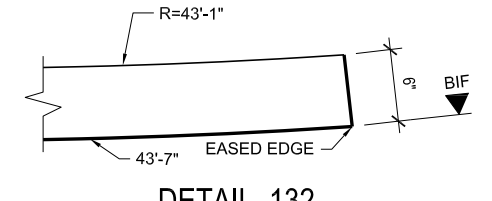
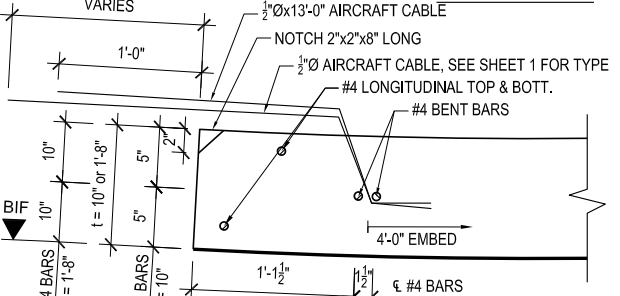
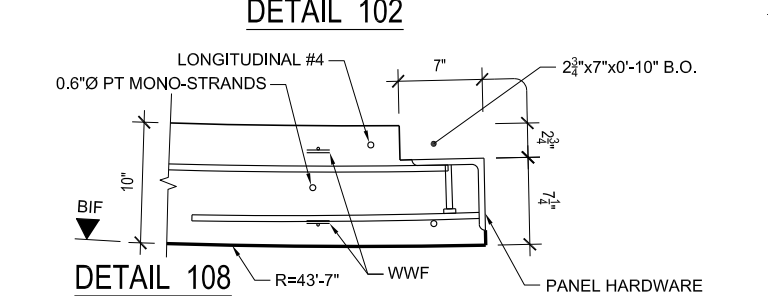
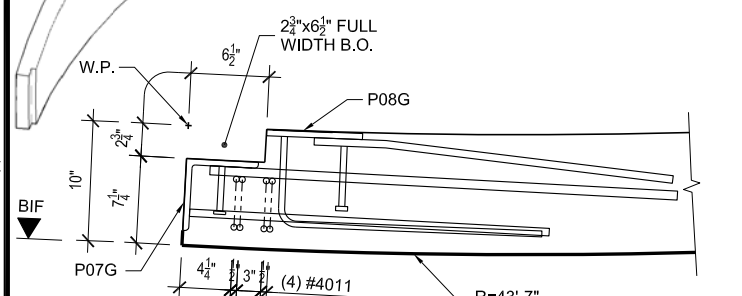




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**SEE SHEET 7, 8 OF 9 FOR REINFORCING**  
**SEE SHEET 1 OF 9 FOR HARDWARE**  
**SEE SHEET 1 OF 9 FOR FINISHES**  
**SEE SHEET 3, 4, & 5 OF 9 FOR BENT BARS CONTINUE**

HARDWARE		
ITEM	QTY.	DESCRIPTION
P44G	3	L8x8x8x3/4x1'-0" w/(3)-#5x3'-6" BENT BARS, (3)-#5x2'-6" A706, (3)-#5x3'-8" BENT BARS & (2)-1/2"Øx6" HAS
P56G	1	(2)-L6x6x1/2x1'-0" w/ (3)-#7x9'-9" BENT BARS, (2)-#6x2'-9" BENT BARS EACH L6 & (2)-1/2"Øx 4" HAS EACH L6
P57G	1	L6x6x1/2x1'-0" & L6x6x1/2x2'-0" w/ (1)-#7x9'-7" BENT BAR, (1)-#7x9'-4" BENT BAR, (1)-#7x9'-1 BENT BAR, (6) #6x2'-9" BENT BARS & (6)-1/2"Øx 4" HAS
P58G	1	(2)-L6x6x3/8x0'-10" w/(2)-#6x8'-7" BENT BARS, (2)-#6x2'-9" BENT BARS EACH L6 & (2)-1/2"Øx 4" HAS EACH L6
H3	6	1/2"Ø x 15'-0" AIRCRAFT CABLE
H4	4	1/2"Ø x 16'-9" AIRCRAFT CABLE
H5	4	1/2"Ø x 22'-0" AIRCRAFT CABLE & 1/2"Ø x 13'-0" AIRCRAFT CABLE
H6	4	1/2"Ø x 35'-0" AIRCRAFT CABLE & 1/2"Ø x 13'-0" AIRCRAFT CABLE
H7	2	1/2"Øx16'-6" AIRCRAFT CABLE
P31	3	PL 1x5 3/8" x 5 3/8" W/ (3) 3/4"Ø HOLES.
VSL-S6N	9	VSL TYPE S6N MONO-STRAND SYSTEM ANCHOR

**APPROVED**  
By Kate Akulova at 8:28 am, Jun 14, 2013

1. UNIT WL OF CONCRETE = 150 pcf  
2. RELEASE CONCRETE STRENGTH = 3500 PSI  
3. 28 DAY CONCRETE STRENGTH = 5000 PSI  
4. REINFORCING STEEL-ASTM A615 GRADE 60  
5. W.W.F. STEEL- ASTM A185



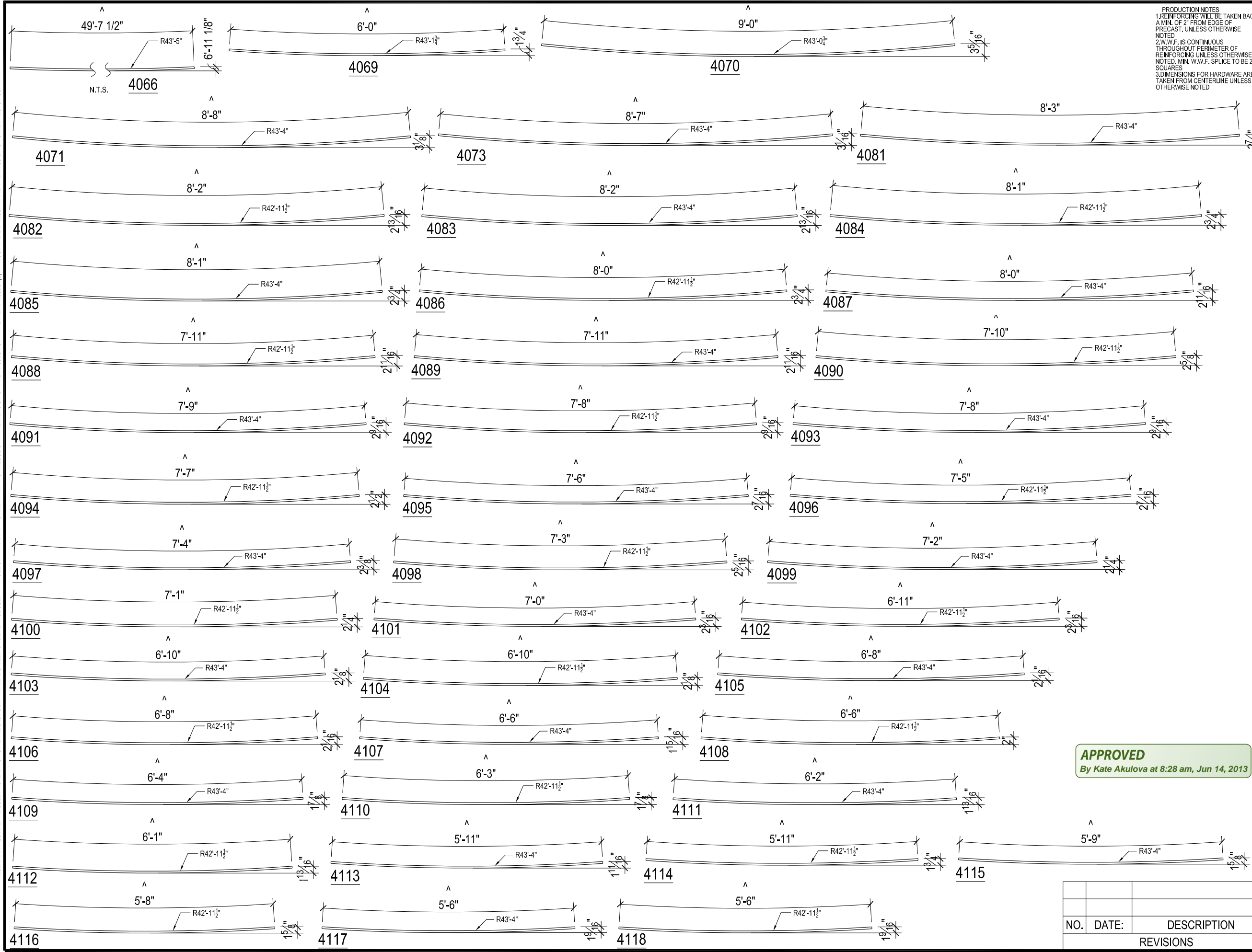
SHEET 2 OF 9

DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PB-01</b>

NO.	DATE:	DESCRIPTION
REVISIONS		



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REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
#4066	5	#4 BENT BAR	248'-2" LF
#4069	10	#4 BENT BAR	60'-0" LF
#4070	4	#4 BENT BAR	36'-0" LF
#4071	1	#4 BENT BAR	8'-8" LF
#4073	1	#4 BENT BAR	8'-7" LF
#4081	2	#4 BENT BAR	16'-6" LF
#4082	1	#4 BENT BAR	8'-2" LF
#4083	1	#4 BENT BAR	8'-2" LF
#4084	1	#4 BENT BAR	8'-1" LF
#4085	1	#4 BENT BAR	8'-1" LF
#4086	1	#4 BENT BAR	8'-0" LF
#4087	2	#4 BENT BAR	16'-0" LF
#4088	1	#4 BENT BAR	7'-11" LF
#4089	1	#4 BENT BAR	7'-11" LF
#4090	1	#4 BENT BAR	7'-10" LF
#4091	2	#4 BENT BAR	15'-8" LF
#4092	1	#4 BENT BAR	7'-8" LF
#4093	3	#4 BENT BAR	15'-4" LF
#4094	1	#4 BENT BAR	15'-2" LF
#4095	1	#4 BENT BAR	7'-6" LF
#4096	1	#4 BENT BAR	7'-5" LF
#4097	1	#4 BENT BAR	7'-4" LF
#4098	1	#4 BENT BAR	7'-3" LF
#4099	2	#4 BENT BAR	14'-4" LF
#4100	1	#4 BENT BAR	7'-1" LF
#4101	1	#4 BENT BAR	7'-0" LF
#4102	1	#4 BENT BAR	6'-11" LF
#4103	1	#4 BENT BAR	6'-10" LF
#4104	1	#4 BENT BAR	6'-10" LF
#4105	2	#4 BENT BAR	13'-4" LF
#4106	1	#4 BENT BAR	6'-8" LF
#4107	2	#4 BENT BAR	13'-0" LF
#4108	1	#4 BENT BAR	6'-8" LF
#4109	3	#4 BENT BAR	19'-0" LF
#4110	1	#4 BENT BAR	6'-3" LF
#4111	2	#4 BENT BAR	12'-4" LF
#4112	1	#4 BENT BAR	6'-1" LF
#4113	1	#4 BENT BAR	5'-11" LF
#4114	1	#4 BENT BAR	5'-11" LF
#4115	1	#4 BENT BAR	5'-9" LF
#4116	1	#4 BENT BAR	5'-8" LF
#4117	2	#4 BENT BAR	11'-0" LF
#4118	1	#4 BENT BAR	5'-6" LF

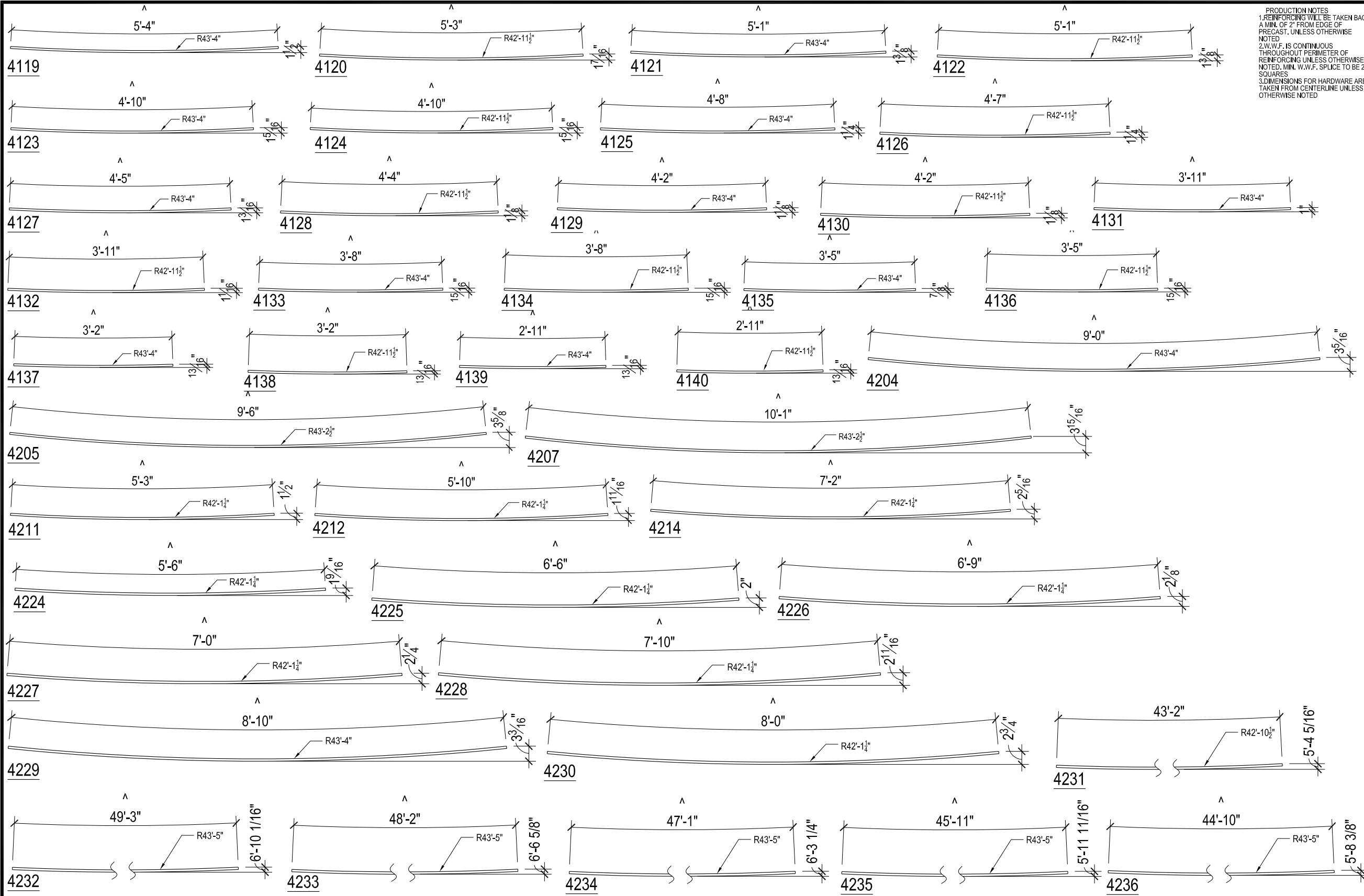
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 5. W.W.F. STEEL- ASTM A185

**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

SHEET 3 OF 9	
DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PB-01</b>

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REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
#4119	2	#4 BENT BAR	10'-8" LF
#4120	1	#4 BENT BAR	5'-3" LF
#4121	1	#4 BENT BAR	5'-1" LF
#4122	1	#4 BENT BAR	5'-1" LF
#4123	1	#4 BENT BAR	4'-10" LF
#4124	1	#4 BENT BAR	4'-10" LF
#4125	2	#4 BENT BAR	4'-8" LF
#4126	1	#4 BENT BAR	4'-7" LF
#4127	1	#4 BENT BAR	4'-5" LF
#4128	1	#4 BENT BAR	4'-4" LF
#4129	2	#4 BENT BAR	8'-4" LF
#4130	1	#4 BENT BAR	4'-2" LF
#4131	1	#4 BENT BAR	3'-11" LF
#4132	1	#4 BENT BAR	3'-11" LF
#4133	1	#4 BENT BAR	3'-8" LF
#4134	3	#4 BENT BAR	11'-0" LF
#4135	1	#4 BENT BAR	3'-5" LF
#4136	1	#4 BENT BAR	3'-5" LF
#4137	1	#4 BENT BAR	3'-2" LF
#4138	1	#4 BENT BAR	3'-2" LF
#4139	1	#4 BENT BAR	2'-11" LF
#4140	1	#4 BENT BAR	2'-11" LF
#4204	1	#4 BENT BAR	9'-0" LF
#4205	1	#4 BENT BAR	9'-6" LF
#4207	5	#4 BENT BAR	50'-5" LF
#4211	1	#4 BENT BAR	5'-3" LF
#4212	1	#4 BENT BAR	5'-10" LF
#4214	1	#4 BENT BAR	7'-2" LF
#4224	2	#4 BENT BAR	11'-0" LF
#4225	1	#4 BENT BAR	6'-6" LF
#4226	1	#4 BENT BAR	6'-9" LF
#4227	2	#4 BENT BAR	14'-0" LF
#4228	1	#4 BENT BAR	7'-10" LF
#4229	1	#4 BENT BAR	8'-10" LF
#4230	1	#4 BENT BAR	8'-0" LF
#4231	8	#4 BENT BAR	345'-4" LF
#4232	1	#4 BENT BAR	49'-3" LF
#4233	1	#4 BENT BAR	48'-2" LF
#4234	1	#4 BENT BAR	47'-1" LF
#4235	1	#4 BENT BAR	45'-11" LF
#4236	1	#4 BENT BAR	44'-10" LF

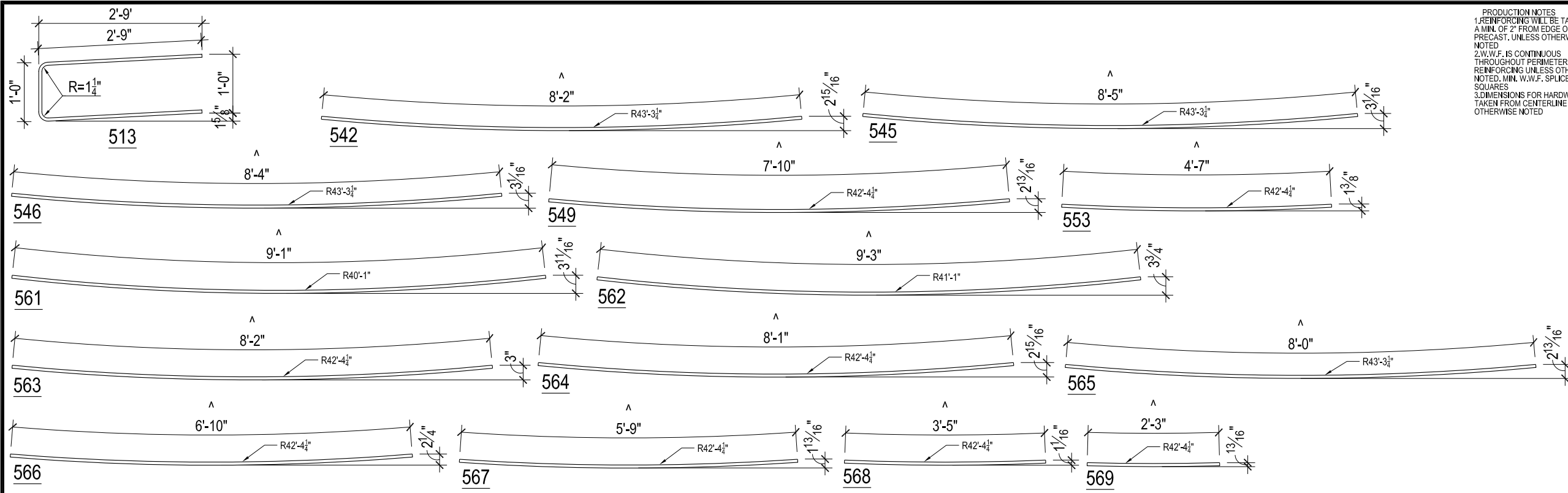
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**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

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REVISIONS		

SHEET 4 OF 9	
DRWN: NRW	CU. YD.
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	<b>PB-01</b>

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**PRODUCTION NOTES**  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED.  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

REINFORCEMENT			
ITEM	QTY.	DESCRIPTION	TOTALS
#513	23	#5 BENT BAR	134'-2" LF
#542	3	#5 BENT BAR	32'-8" LF
#545	3	#5 BENT BAR	25'-3" LF
#546	3	#5 BENT BAR	25'-0" LF
#549	1	#5 BENT BAR	7'-10" LF
#553	1	#5 BENT BAR	4'-7" LF
#561	1	#5 BENT BAR	9'-1" LF
#562	1	#5 BENT BAR	9'-3" LF
#563	4	#5 BENT BAR	32'-8" LF
#564	2	#5 BENT BAR	16'-2" LF
#565	3	#5 BENT BAR	24'-0" LF
#566	1	#5 BENT BAR	6'-10" LF
#567	1	#5 BENT BAR	5'-9" LF
#568	1	#5 BENT BAR	3'-5" LF
#569	1	#5 BENT BAR	2'-3" LF

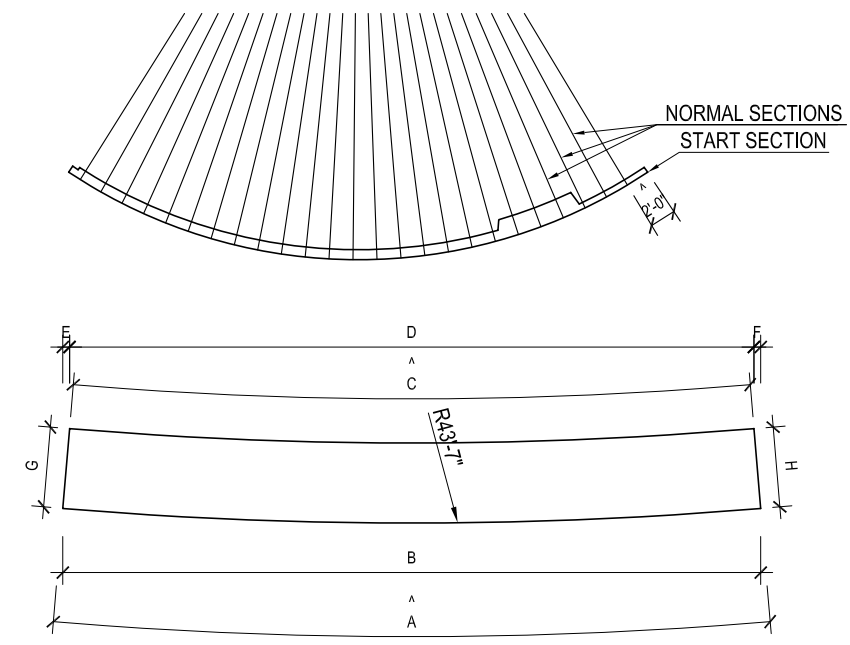
**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

SEE SHEET 7, 8 OF 9 FOR REINFORCING  
 SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 1 OF 9 FOR FINISHES

ARC LENGTH FROM BASE OF PNL. @ CL	A	B	C	D	E	F	G	H	ARC LENGTH FROM BASE OF PNL. @ CL	A	B	C	D	E	F	G	H
2'-0"	6'-5 7/16"	6'-5 5/16"	6'-4 1/2"	6'-4 7/16"	1/4"	5/8"	6"	6"	28'-0"	6'-11 9/16"	6'-11 1/2"	6'-9 15/16"	6'-9 7/8"	13/16"	13/16"	0'-10"	0'-10"
4'-0"	8'-0 5/8"	8'-0 1/2"	7'-11 1/2"	7'-11 3/8"	1/2"	5/8"	6"	6"	30'-0"	6'-8 5/16"	6'-8 1/4"	6'-6 3/4"	6'-6 11/16"	3/4"	3/4"	0'-10"	0'-10"
6'-0"	8'-10 11/16"	8'-10 1/2"	8'-9 7/16"	8'-9 1/4"	5/8"	5/8"	6"	6"	32'-0"	6'-4 7/8"	6'-4 13/16"	6'-3 3/8"	6'-3 5/16"	3/4"	3/4"	0'-10"	0'-10"
8'-0"	8'-9 5/8"	8'-9 7/16"	8'-5 9/16"	8'-5 3/8"	2 1/16"	2 1/16"	1'-8"	1'-8"	34'-0"	6'-1 1/4"	6'-1 3/16"	5'-11 13/16"	5'-11 3/4"	11/16"	11/16"	0'-10"	0'-10"
10'-0"	8'-8 3/8"	8'-8 3/16"	8'-4 3/8"	8'-4 3/16"	2"	2"	1'-8"	1'-8"	36'-0"	5'-9 7/16"	5'-9 7/16"	5'-8 1/8"	5'-8 1/16"	11/16"	11/16"	0'-10"	0'-10"
12'-0"	8'-6 7/8"	8'-6 3/4"	*	8'-3 3/4"	2"	1"	1'-8"	0'-10"	38'-0"	5'-5 9/16"	5'-5 1/2"	5'-4 1/4"	5'-4 1/4"	5/8"	5/8"	0'-10"	0'-10"
14'-0"	8'-5 3/16"	8'-5 1/16"	*	8'-2 1/8"	1 15/16"	1"	1'-8"	0'-10"	40'-0"	5'-1 7/16"	5'-1 7/16"	5'-0 1/4"	5'-0 1/4"	5/8"	5/8"	0'-10"	0'-10"
16'-0"	8'-3 5/16"	8'-3 1/8"	8'-1 3/8"	8'-1 1/4"	15/16"	15/16"	0'-10"	0'-10"	42'-0"	4'-9 1/4"	4'-9 1/4"	4'-8 1/8"	4'-8 1/8"	9/16"	9/16"	0'-10"	0'-10"
18'-0"	8'-1 3/16"	8'-1 1/16"	7'-11 5/16"	7'-11 3/16"	15/16"	15/16"	0'-10"	0'-10"	44'-0"	4'-4 15/16"	4'-4 15/16"	4'-3 7/8"	4'-3 7/8"	1/2"	1/2"	0'-10"	0'-10"
20'-0"	7'-10 7/8"	7'-10 3/4"	7'-9"	7'-8 7/8"	15/16"	15/16"	0'-10"	0'-10"	46'-0"	4'-0 1/2"	4'-0 1/2"	3'-11 9/16"	3'-11 9/16"	1/2"	1/2"	0'-10"	0'-10"
22'-0"	7'-8 5/16"	7'-8 3/16"	7'-6 9/16"	7'-6 7/16"	7/8"	7/8"	0'-10"	0'-10"	48'-0"	3'-7 15/16"	3'-7 15/16"	3'-7 1/8"	3'-7 1/16"	7/16"	7/16"	0'-10"	0'-10"
24'-0"	7'-5 5/8"	7'-5 1/2"	7'-3 7/8"	7'-3 3/4"	7/8"	7/8"	0'-10"	0'-10"	50'-0"	3'-3 5/16"	3'-3 5/16"	3'-2 9/16"	3'-2 9/16"	3/8"	3/8"	0'-10"	0'-10"
26'-0"	7'-2 11/16"	7'-2 9/16"	7'-1"	7'-0 15/16"	13/16"	13/16"	0'-10"	0'-10"									

\* - SEE FORM WORK ON PAGE 6 FOR INFORMATION ABOUT CONCRETE RING

**TRANSVERSE PANEL GEOMETRY**



**SECTIONS NORMAL TO FORM SURFACE**

NO.	DATE:	DESCRIPTION
REVISIONS		

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

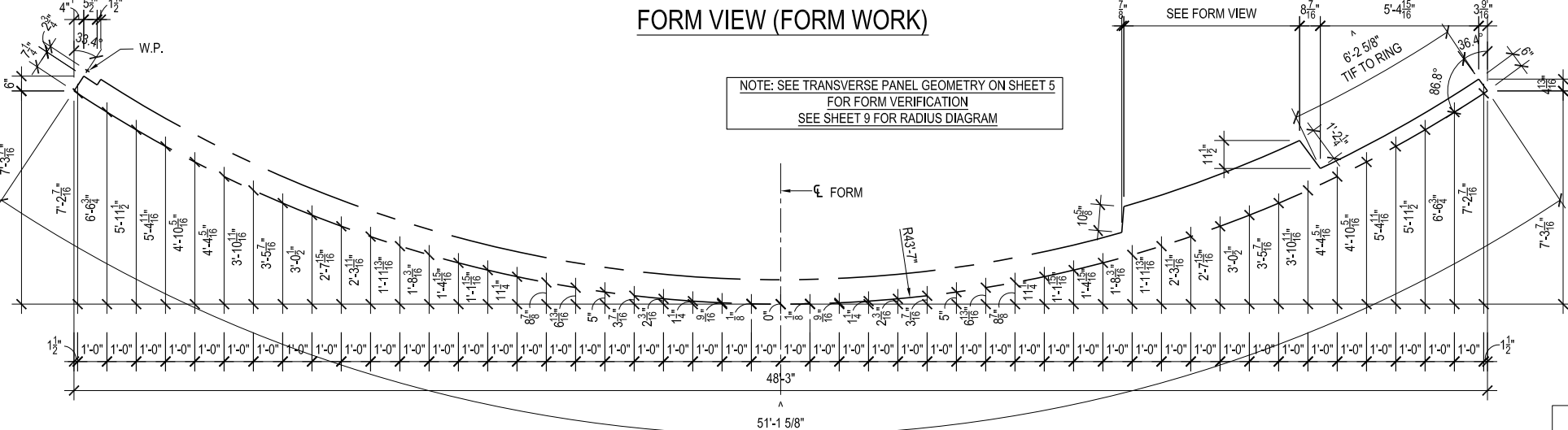
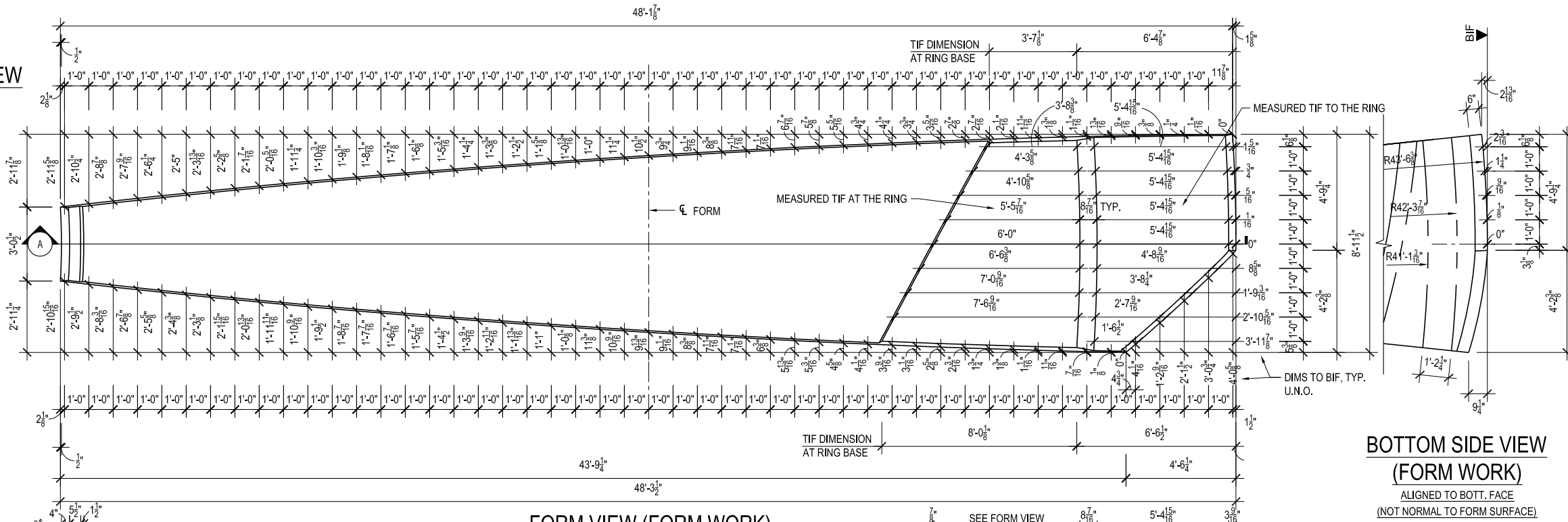
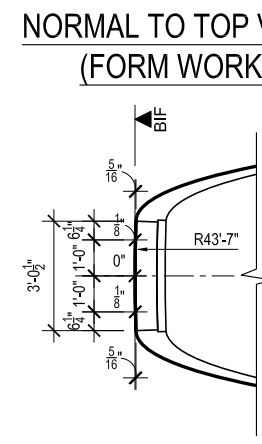
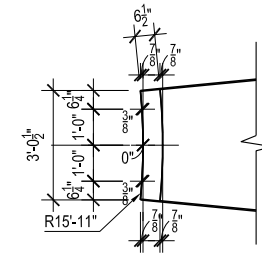
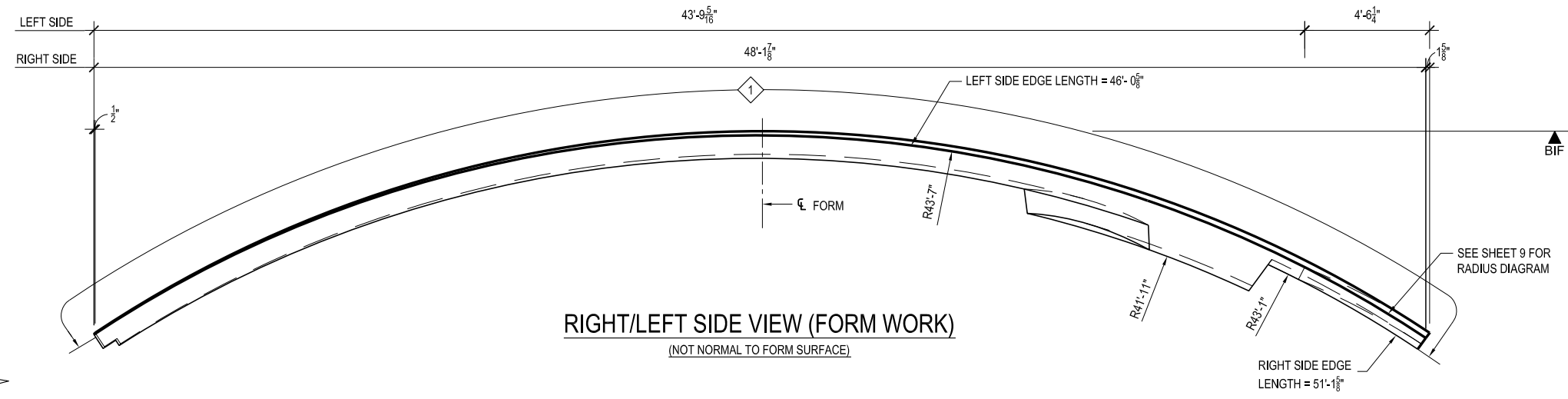


SHEET 5 OF 9

DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PB-01</b>	

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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



SEE SHEET 1 OF 9 FOR HARDWARE

SEE SHEET 2, 3, 4, & 5 OF 9 FOR BENT BARS & ISOMETRIC VIEW

**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

SEE SHEET 1 OF 9 FOR FINISHES

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

SHEET 6 OF 9

DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PB-01</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		

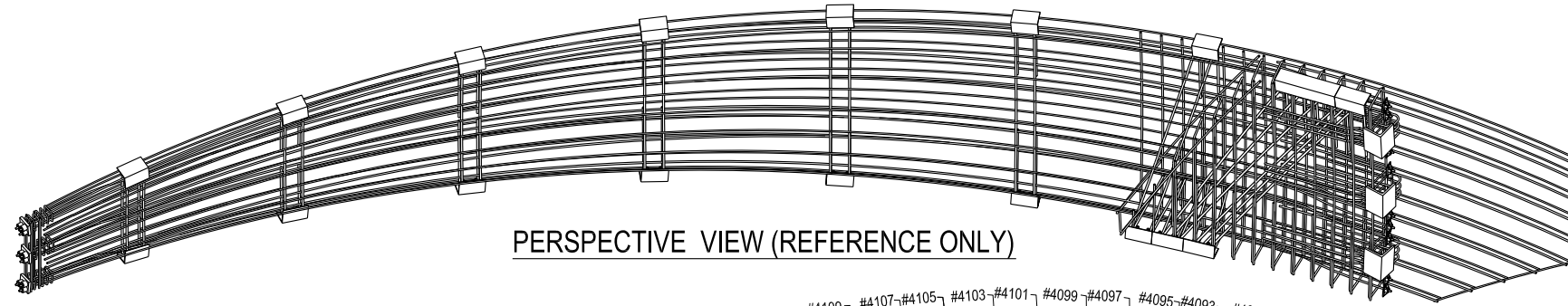


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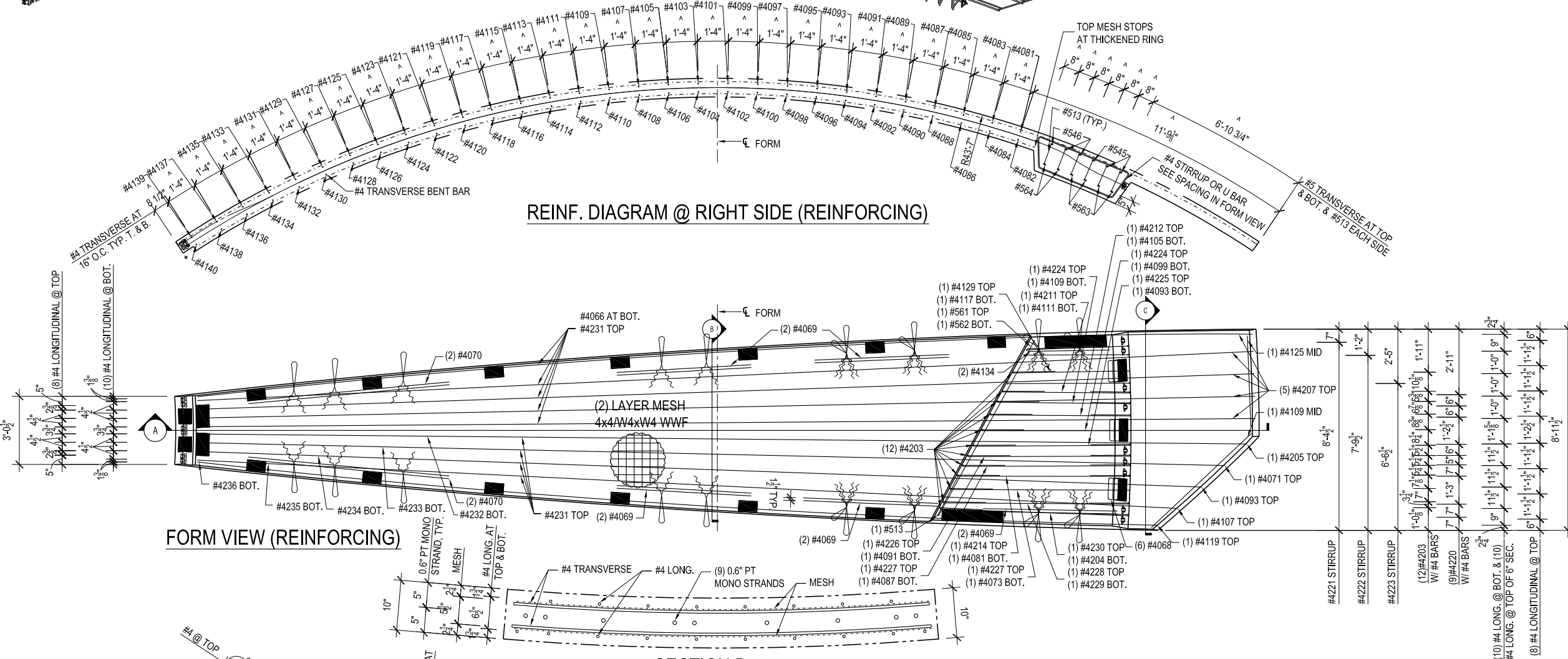
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**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
MESH	2 LTR	4x4/W4xW4 WWF	000 SF
PT STRAND	9	0.6"Ø PT MONO-STRAND	
#4011	4	#4 BENT BAR	19'-1 1/2" LF
#4065	12	#4 STIRRUP	30'-0" LF
#4068	6	#4 STIRRUP	15'-9" LF
#4203	12	#4 U-BAR	64'-0" LF
#4220	9	#4 U-BAR	48'-0" LF
#4221	1	#4 STIRRUP	12'-7" LF
#4222	1	#4 STIRRUP	12'-10" LF
#4223	1	#4 STIRRUP	14'-6" LF



PERSPECTIVE VIEW (REFERENCE ONLY)



REINFORCING DIAGRAM @ RIGHT SIDE (REINFORCING)

FORM VIEW (REINFORCING)

SECTION B

SECTION C

REINFORCING DIAGRAM @ LEFT SIDE (REINFORCING)

**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 2, 3, 4, & 5 OF 9 FOR BENT BARS & ISOMETRIC VIEW  
 SEE SHEET 1 OF 9 FOR FINISHES

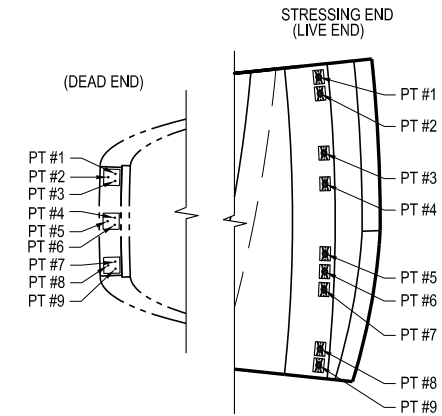
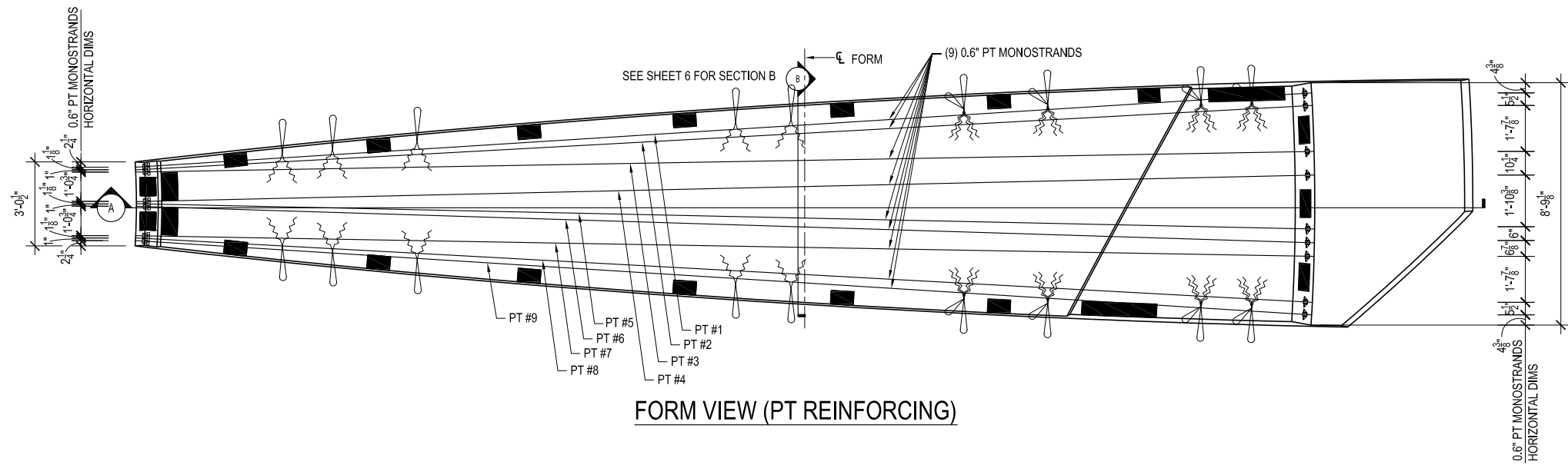
- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

SHEET 7 OF 9

DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PB-01</b>

NO.	DATE:	DESCRIPTION
		REVISIONS

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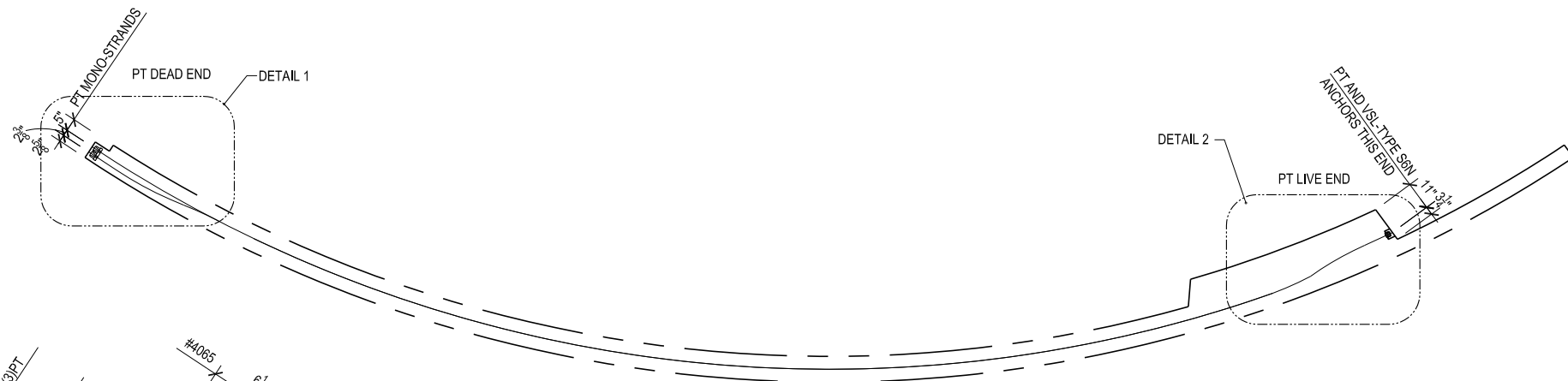
PT PRODUCTION NOTES:

- PANEL CAN BE STRIPPED FROM MOLD & MOVED TO YARD.
- WHEN PANEL REACHES  $f'c = 5000$  PSI, THE (9) 0.6" MONO-STRANDS CAN BE POST TENSIONED.
- POST-TENSION START AT MID WIDTH. PATTERN: 4, 6, 5, 7, 3, 9, 1, 8, 2
- APPLY PT IN TWO-INCREMENTS  
 A- 20% TO TAKE SLACK OUT  
 B- FINAL JACKING FORCE PER STRAND = 43.9K.
- EXTENSION & GAUGE PRESSURE SHOULD CORRESPOND W/ FINAL JACKING FORCE

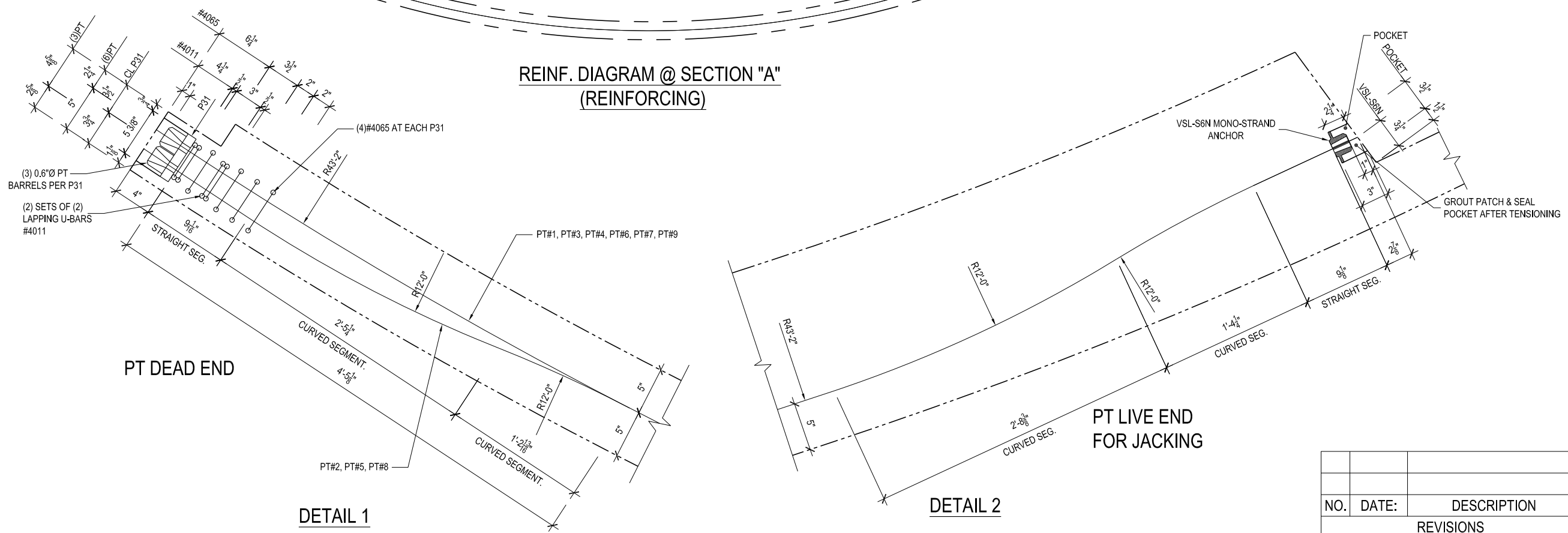
**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 2, 3, 4, & 5 OF 9 FOR BENT BARS & ISOMETRIC VIEW  
 SEE SHEET 1 OF 9 FOR FINISHES

- UNIT Wt. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- W.W.F. STEEL- ASTM A185



REINF. DIAGRAM @ SECTION "A" (REINFORCING)



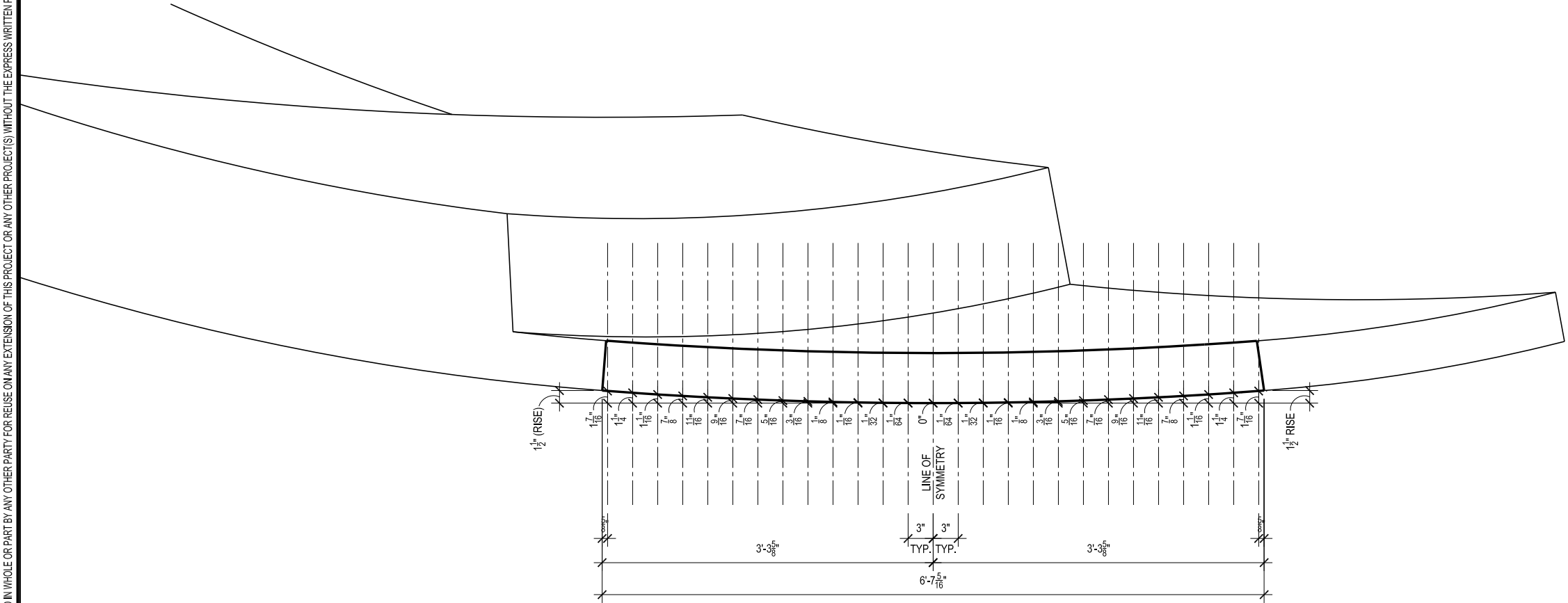
SHEET 8 OF 9

DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PB-01</b>

NO.	DATE:	DESCRIPTION
REVISIONS		

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**RADIUS DIAGRAM**

SEE SHEET 1 OF 9 FOR HARDWARE

SEE SHEET 2, 3, 4, & 5 OF 9 FOR BENT BARS & ISOMETRIC VIEW

**APPROVED**  
 By Kate Akulova at 8:28 am, Jun 14, 2013

SEE SHEET 1 OF 9 FOR FINISHES

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

PLATE TYPICAL  
 SHEET 9 OF 9

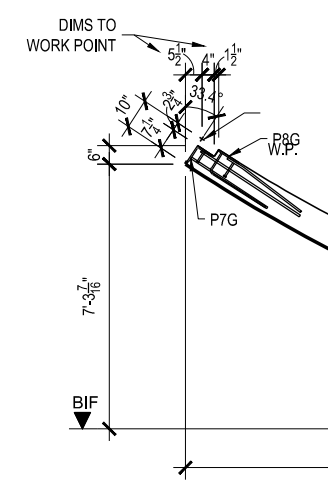
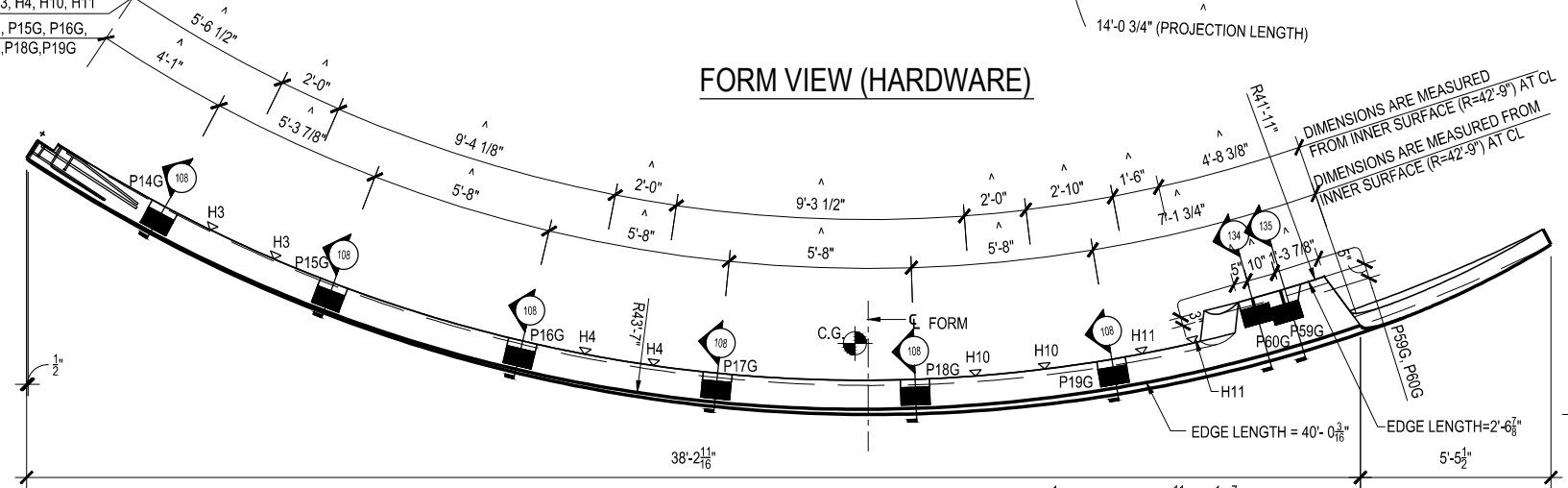
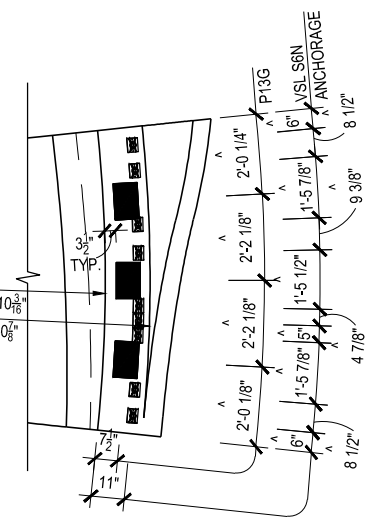
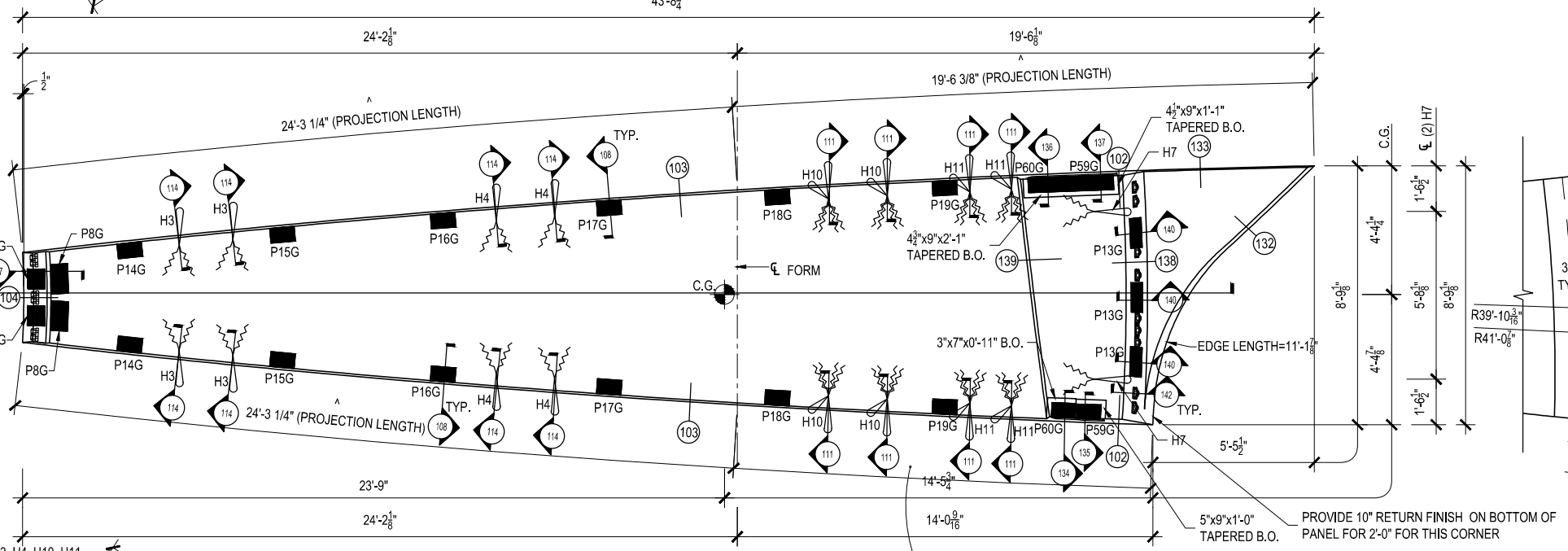
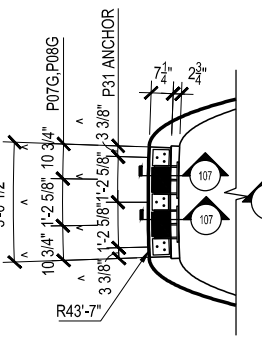
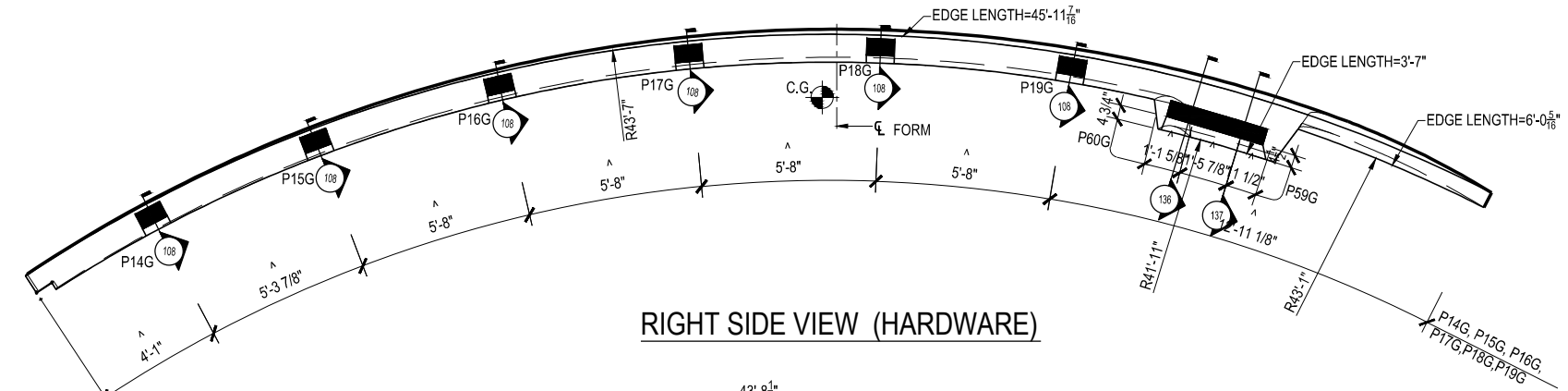
DRWN: NRW	CU. YD.
DATE: 6-13-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-13-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PB-01</b>

NO.	DATE:	DESCRIPTION
		REVISIONS



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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

SEE SHEET 2, 3, & 4 OF 9 FOR DETAILS  
 SEE SHEET 6 OF 9 FOR FORM VIEW  
 SEE SHEET 6, 7, & 8 OF 9 FOR REINFORCING  
 SEE SHEET 2 OF 9 FOR HARDWARE CONTINUE



**BOTTOM SIDE VIEW (HARDWARE)**  
 ALIGNED TO BOTT. FACE  
 (NOT NORMAL TO FORM SURFACE)

**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

HARDWARE		
ITEM	QTY.	DESCRIPTION
P07G	2	L6x6x1/2x0'-8" w/(2)-#5x2'-6" A706, (2)-#6x3'-3" A706 &(2)-1/2" DIA.x 4" HAS (GALV.)
P08G	2	PL 1/2x8x1'-0" w/(3)-#5x2'-6" BENT A706, (3)-#5x3'-0" BENT A706 &(2)-1/2" DIA.x 6" HAS (GALV.)
P13G	3	L8x8x3/4x1'-0" w/(3)-#5x3'-11" BENT A706, (3)-#5x2'-6" A706, (3)-#5x3'-6" BENT A706 &(2)-1/2" DIA.x 6" HAS(GALV.)
P14G	1	(2)-L6x6x3/8x0'-10" w/(2)-#6x3'-9 3/4" BENT BARS, (2)-#6x3'-7 1/4" A706 &(2)-1/2"x 4" HAS EACH L6
P15G	1	(2)-L6x6x3/8x0'-10" w/(2)-#6x4'-7" BENT BARS, (2)-#6x2'-0" A706 EACH L6 &(2)-1/2"x 4" HAS EACH L6
P16G	1	(2)-L6x6x3/8x0'-10" w/(2)-#6x5'-6 3/8" BENT BARS, (2)-#6x2'-9" A706 EACH L6 &(2)-1/2"x 4" HAS EACH L6
P17G	1	(2)-L6x6x3/8x0'-10" w/(2)-#6x6'-4 1/8" BENT BARS, (2)-#6x2'-9" A706 EACH L6 &(2)-1/2"x 4" HAS EACH L6
P18G	1	(2)-L6x6x3/8x0'-10" w/(2)-#6x7'-1 1/8" BENT BARS, (2)-#6x2'-9" A706 EACH L6 &(2)-1/2"x 4" HAS EACH L6
PT BARREL	9	0.6"Ø PT BARRELS W/ CHUCKS

COLOR/FINISH	
1	GPK 2465-SB-L (WHITE)

TOP IN FORM FINISH	
FL	FLOAT FINISH

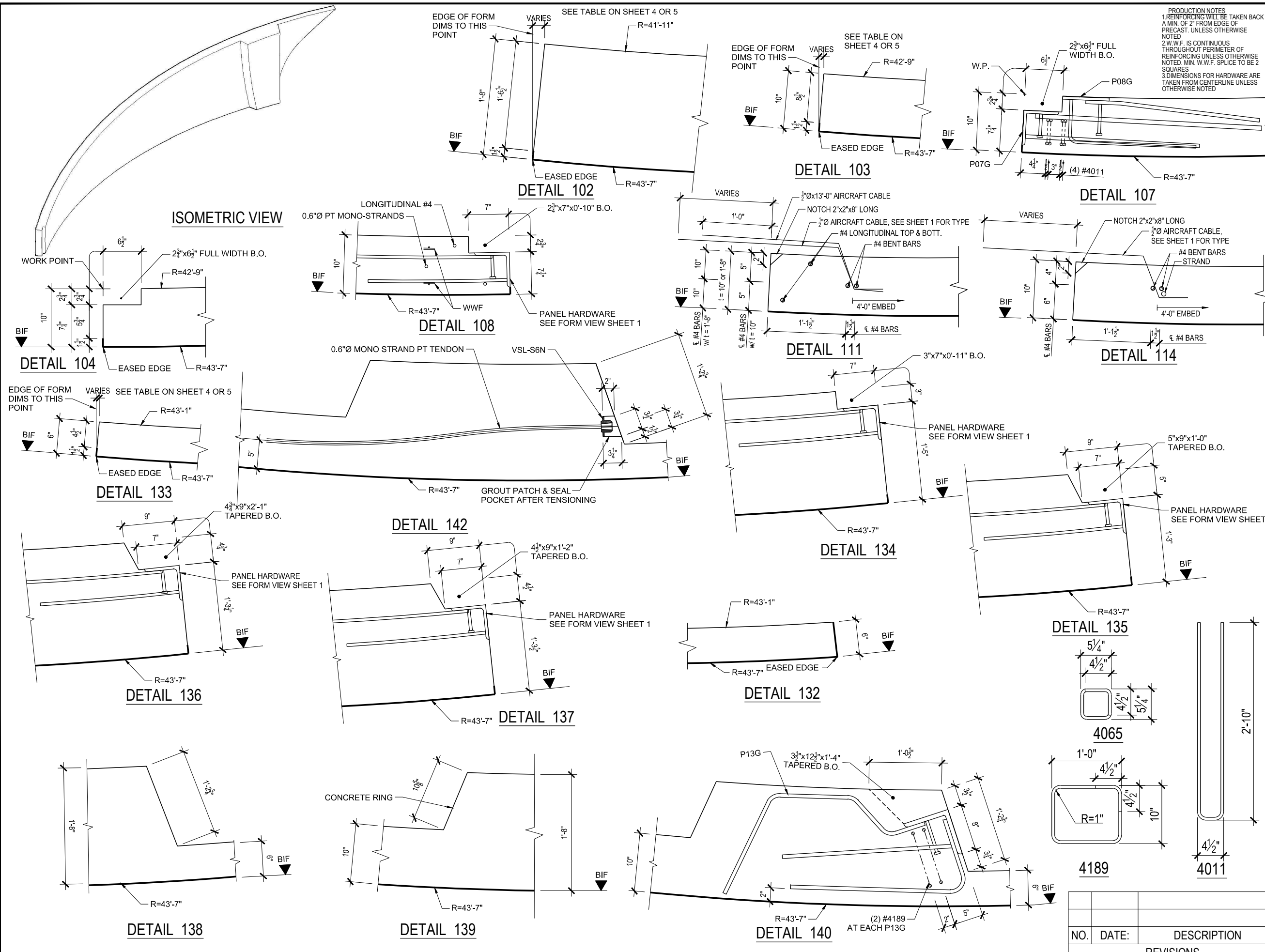
- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185



SHEET 1 OF 9	
DRWN: JSF	CU. YD. 8.76
DATE: 6-20-13	WEIGHT: 35,481
CHKR: NPR	SQ. FT.: 267.6
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
1	PC-01

NO.	DATE:	DESCRIPTION
REVISIONS		





PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

SEE SHEET 6, 7, & 8 OF 9 FOR REINFORCING  
 SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 1 OF 9 FOR FINISHES  
 SEE SHEET 3, 4, & 5 OF 9 FOR BENT BARS CONTINUE

**HARDWARE**

ITEM	QTY.	DESCRIPTION
P19G	1	(2)-L6x6x3/8x 0'-10" w/ (2)-#6x7'-8 3/4" BENT BARS, (2)-#6x2'-9" A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
P59G	1	L6x6x1/2x 1'-0" & L6x6x1/2x0'-10" w/ (3)-#7x8'-2" BENT A706, (2)-#6x2'-9" BENT A706 EACH L6 & (2)-1/2"x4" HAS EACH L6
P60G	1	L6x6x1/2x 2'-0" & L6x6x1/2x0'-10" w/ (3)-#7x8'-1" BENT A706, (6)-#6x2'-9" BENT A706 & (6)-1/2"x4" HAS
H3	4	3/4"Ø x 15'-0" AIRCRAFT CABLE
H4	4	3/4"Ø x 16'-9" AIRCRAFT CABLE
H10	4	3/4"Ø x 20'-0" AIRCRAFT CABLE & 3/4"Ø x 13'-0" AIRCRAFT CABLE
H11	4	3/4"Ø x 23'-0" AIRCRAFT CABLE & 3/4"Ø x 13'-0" AIRCRAFT CABLE
H7	2	3/4"Øx16'-6" AIRCRAFT CABLE
P31	3	PL 1x5 3/8"x3 3/8" W/ (3) 3/4"Ø HOLES.
VSL-S6N	9	VSL TYPE S6N MONO-STRAND SYSTEM ANCHOR

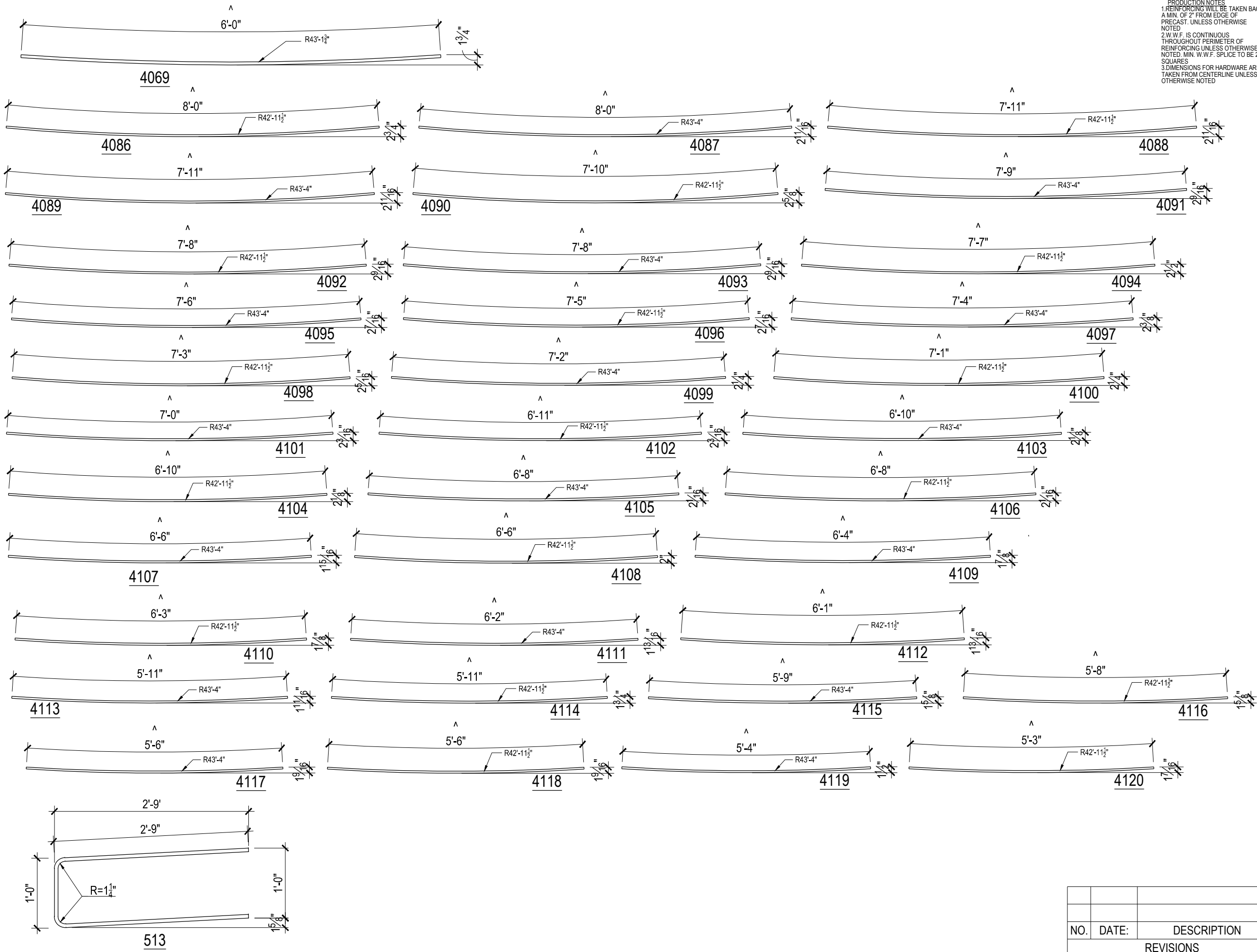
**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F STEEL- ASTM A185

**SHEET 2 OF 9**

DRWN: JSF	CU. YD.
DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PC-01</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		



PRODUCTION NOTES  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED.  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
#4069	12	#4 BENT BAR	72'-0" LF
#4086	1	#4 BENT BAR	8'-0" LF
#4087	1	#4 BENT BAR	8'-0" LF
#4088	1	#4 BENT BAR	7'-11" LF
#4089	1	#4 BENT BAR	7'-11" LF
#4090	1	#4 BENT BAR	7'-10" LF
#4091	1	#4 BENT BAR	7'-9" LF
#4092	1	#4 BENT BAR	7'-8" LF
#4093	1	#4 BENT BAR	7'-8" LF
#4094	1	#4 BENT BAR	7'-7" LF
#4095	1	#4 BENT BAR	7'-6" LF
#4096	1	#4 BENT BAR	7'-5" LF
#4097	1	#4 BENT BAR	7'-4" LF
#4098	1	#4 BENT BAR	7'-3" LF
#4099	1	#4 BENT BAR	7'-2" LF
#4100	1	#4 BENT BAR	7'-1" LF
#4101	1	#4 BENT BAR	6'-11" LF
#4102	1	#4 BENT BAR	6'-10" LF
#4103	1	#4 BENT BAR	6'-10" LF
#4104	1	#4 BENT BAR	6'-8" LF
#4105	1	#4 BENT BAR	6'-8" LF
#4106	1	#4 BENT BAR	6'-6" LF
#4107	1	#4 BENT BAR	6'-6" LF
#4108	1	#4 BENT BAR	6'-4" LF
#4109	1	#4 BENT BAR	6'-4" LF
#4110	1	#4 BENT BAR	6'-3" LF
#4111	1	#4 BENT BAR	6'-2" LF
#4112	1	#4 BENT BAR	6'-1" LF
#4113	1	#4 BENT BAR	5'-11" LF
#4114	1	#4 BENT BAR	5'-11" LF
#4115	1	#4 BENT BAR	5'-9" LF
#4116	1	#4 BENT BAR	5'-8" LF
#4117	1	#4 BENT BAR	5'-6" LF
#4118	1	#4 BENT BAR	5'-6" LF
#4119	1	#4 BENT BAR	5'-4" LF
#4120	1	#4 BENT BAR	5'-3" LF
#513	11	#5 BENT BAR	71'-6" LF

**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

**SHEET 3 OF 9**

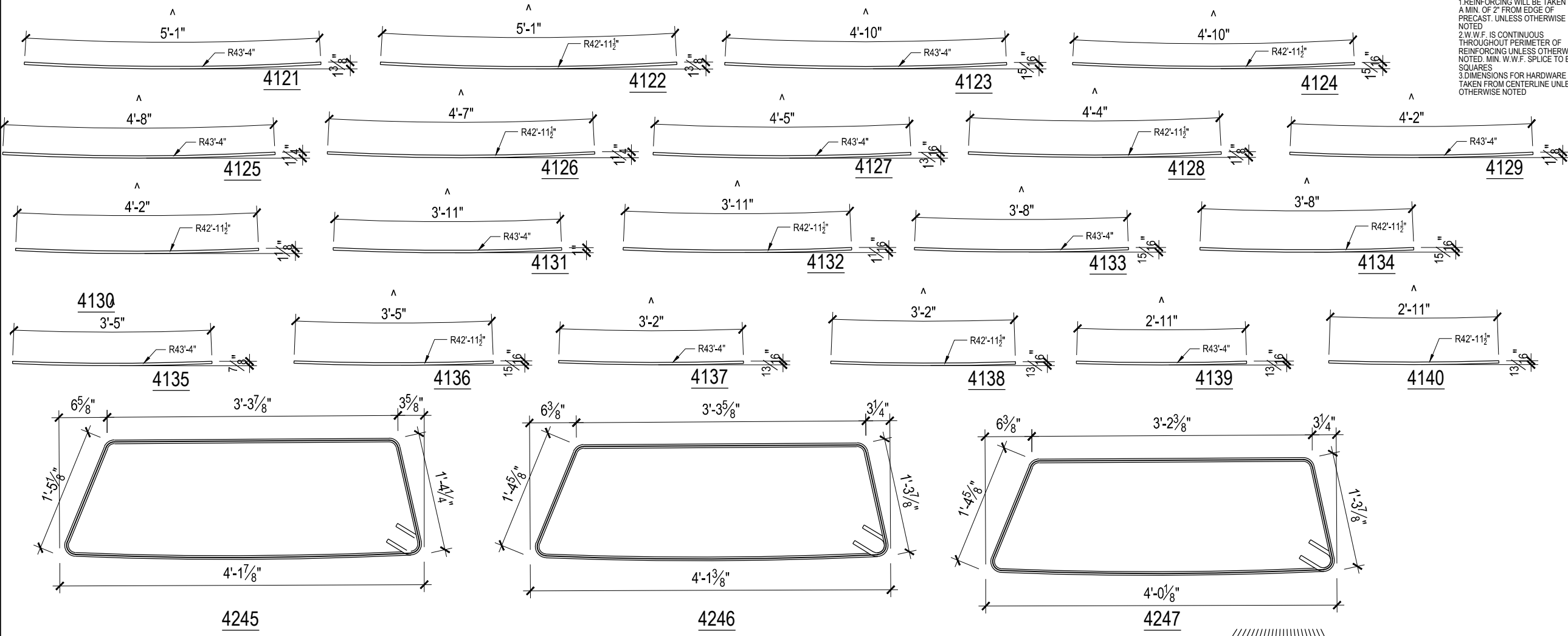
DRWN: JSF	CU. YD.
DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PC-01</b>

NO.	DATE:	DESCRIPTION
REVISIONS		

PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
#4121	1	#4 BENT BAR	5'-1" LF
#4122	1	#4 BENT BAR	5'-1" LF
#4123	1	#4 BENT BAR	4'-10" LF
#4124	1	#4 BENT BAR	4'-10" LF
#4125	1	#4 BENT BAR	4'-8" LF
#4126	1	#4 BENT BAR	4'-7" LF
#4127	1	#4 BENT BAR	4'-5" LF
#4128	1	#4 BENT BAR	4'-4" LF
#4129	1	#4 BENT BAR	4'-2" LF
#4130	1	#4 BENT BAR	4'-2" LF
#4131	1	#4 BENT BAR	3'-11" LF
#4132	1	#4 BENT BAR	3'-11" LF
#4133	1	#4 BENT BAR	3'-8" LF
#4134	1	#4 BENT BAR	3'-8" LF
#4135	1	#4 BENT BAR	3'-5" LF
#4136	1	#4 BENT BAR	3'-5" LF
#4137	1	#4 BENT BAR	3'-2" LF
#4138	1	#4 BENT BAR	3'-2" LF
#4139	1	#4 BENT BAR	2'-11" LF
#4140	1	#4 BENT BAR	2'-11" LF
#4140	1	#4 BENT BAR	2'-11" LF
#4245	1	#4 STIRRUP	8'-4" LF
#4246	2	#4 STIRRUP	20'-4" LF
#4247	1	#4 STIRRUP	9'-11" LF



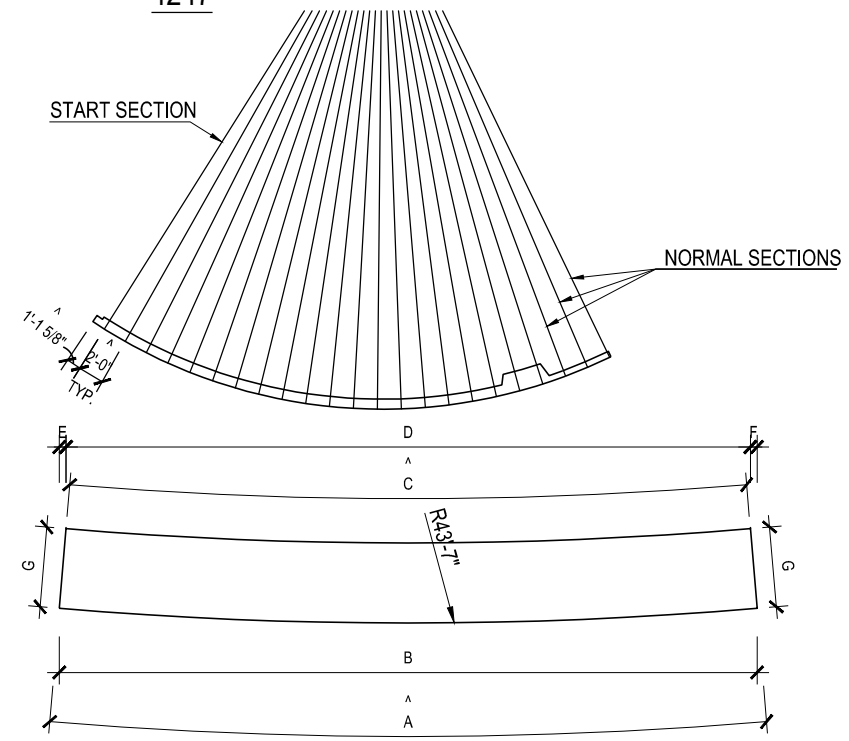
**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

SEE SHEET 6, 7, & 8 OF 9 FOR REINFORCING  
 SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 1 OF 9 FOR FINISHES

- UNIT WL. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- W.W.F. STEEL- ASTM A185

ARC LENGTH FROM TOP OF PNL. @ CL	A	B	C	D	E	F	G
1'-1 5/8"	3'-3 5/16"	3'-3 5/16"	3'-2 9/16"	3'-2 9/16"	3/8"	3/8"	10"
3'-1 5/8"	3'-7 15/16"	3'-7 15/16"	3'-7 1/8"	3'-7 1/16"	7/16"	7/16"	0'-10"
5'-1 5/8"	4'-0 1/2"	4'-0 1/2"	3'-11 9/16"	3'-11 9/16"	1/2"	1/2"	0'-10"
7'-1 5/8"	4'-4 15/16"	4'-4 15/16"	4'-3 7/8"	4'-3 7/8"	1/2"	1/2"	0'-10"
9'-1 5/8"	4'-9 1/4"	4'-9 1/4"	4'-8 1/8"	4'-8 1/8"	9/16"	9/16"	0'-10"
11'-1 5/8"	5'-1 7/16"	5'-1 7/16"	5'-0 1/4"	5'-0 1/4"	5/8"	5/8"	0'-10"
13'-1 5/8"	5'-5 9/16"	5'-5 1/2"	5'-4 1/4"	5'-4 1/4"	5/8"	5/8"	0'-10"
15'-1 5/8"	5'-9 7/16"	5'-9 7/16"	5'-8 1/8"	5'-8 1/16"	11/16"	11/16"	0'-10"
17'-1 5/8"	6'-1 1/4"	6'-1 3/16"	5'-11 13/16"	5'-11 3/4"	11/16"	11/16"	0'-10"
19'-1 5/8"	6'-4 7/8"	6'-4 13/16"	6'-3 3/8"	6'-3 5/16"	3/4"	3/4"	0'-10"
21'-1 5/8"	6'-8 5/16"	6'-8 1/4"	6'-6 3/4"	6'-6 11/16"	3/4"	3/4"	0'-10"
23'-1 5/8"	6'-11 9/16"	6'-11 1/2"	6'-9 15/16"	6'-9 7/8"	13/16"	13/16"	0'-10"
25'-1 5/8"	7'-2 11/16"	7'-2 9/16"	7'-1"	7'-0 15/16"	13/16"	13/16"	0'-10"

ARC LENGTH FROM TOP OF PNL. @ CL	A	B	C	D	E	F	G
27'-1 5/8"	7'-5 5/8"	7'-5 1/2"	7'-3 7/8"	7'-3 3/4"	7/8"	7/8"	0'-10"
29'-1 5/8"	7'-8 5/16"	7'-8 3/16"	7'-6 9/16"	7'-6 7/16"	7/8"	7/8"	0'-10"
31'-1 5/8"	7'-10 7/8"	7'-10 3/4"	7'-9"	7'-8 7/8"	15/16"	15/16"	0'-10"
33'-1 5/8"	8'-1 3/16"	8'-1 1/16"	7'-11 5/16"	7'-11 3/16"	15/16"	15/16"	0'-10"
35'-1 5/8"	8'-3 5/16"	8'-3 1/8"	8'-1 3/8"	8'-1 1/4"	15/16"	15/16"	0'-10"
37'-1 5/8"	8'-5 3/16"	8'-5 1/16"	8'-1 5/16"	8'-1 1/8"	1 15/16"	1 15/16"	1'-8"
39'-1 5/8"	8'-6 7/8"	8'-6 3/4"	8'-2 15/16"	8'-2 3/4"	2"	2"	1'-8"
41'-1 5/8"	4'-4 1/8"	4'-4 1/16"	4'-2 3/8"	4'-2 5/16"	9/16"	1 3/16"	0'-6"
43'-1 5/8"	2'-3 7/16"	2'-3 3/8"	2'-3 1/8"	2'-3 1/16"	9/16"	(-1/4")	0'-6"
45'-1 5/8"	0'-7 13/16"	0'-7 3/4"	0'-7 11/16"	0'-7 11/16"	9/16"	(-7/16")	0'-6"



**TRANSVERSE PANEL GEOMETRY**

**SECTIONS NORMAL TO FORM SURFACE**

NO.	DATE:	DESCRIPTION
REVISIONS		

**SHEET 4 OF 9**

DRWN: JSF	CU. YD.
DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PC-01</b>	

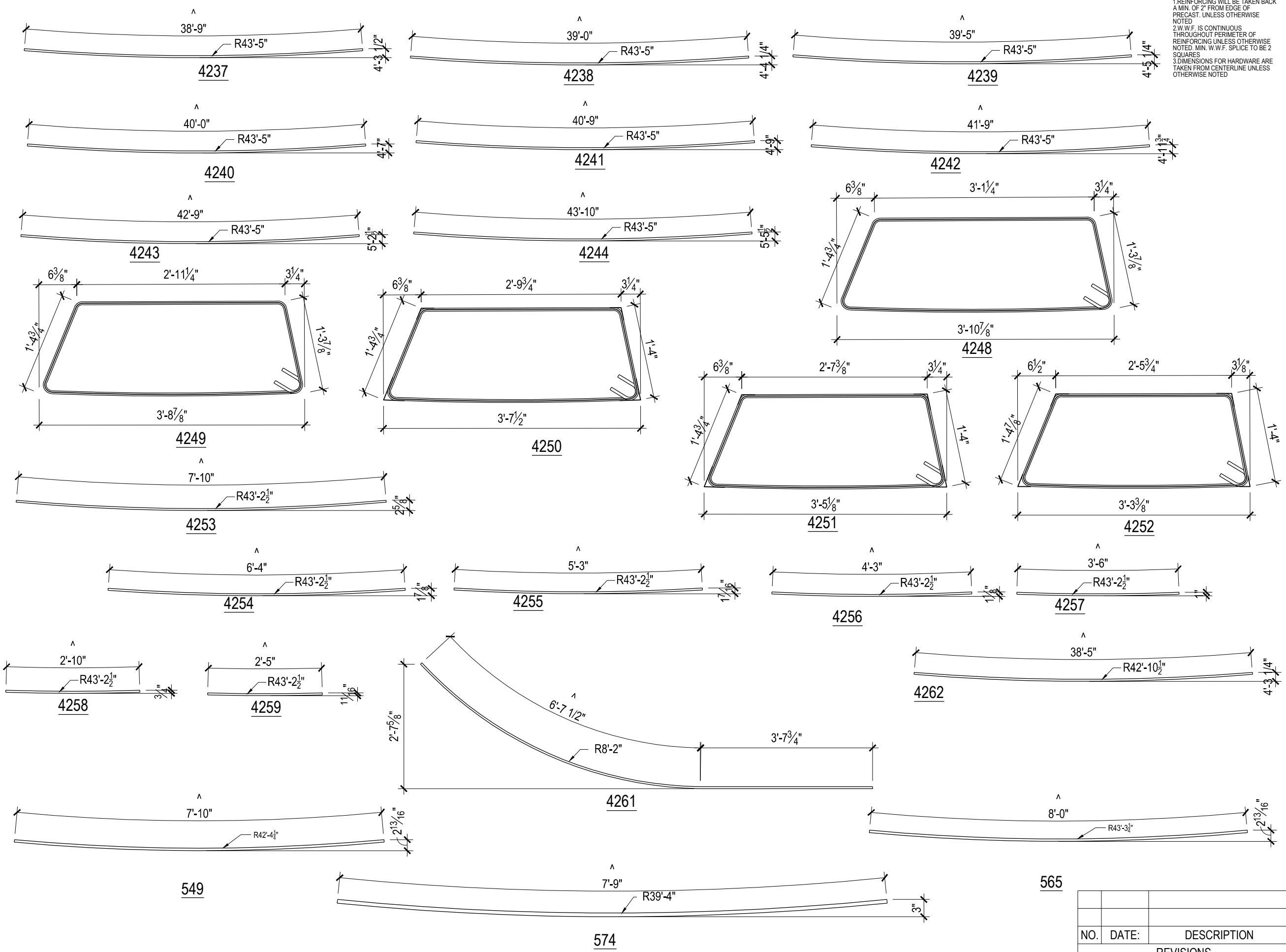
PRODUCTION NOTES  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED.  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
#4237	3	#4 BENT BAR	38'-9" LF
#4238	1	#4 BENT BAR	39'-0" LF
#4239	1	#4 BENT BAR	39'-5" LF
#4240	1	#4 BENT BAR	40'-0" LF
#4241	1	#4 BENT BAR	40'-9" LF
#4242	1	#4 BENT BAR	41'-9" LF
#4243	1	#4 BENT BAR	42'-9" LF
#4244	1	#4 BENT BAR	43'-10" LF
#4245	1	#4 STIRRUP	8'-4" LF
#4246	1	#4 STIRRUP	10'-2" LF
#4247	1	#4 STIRRUP	9'-11" LF
#4248	2	#4 STIRRUP	19'-6" LF
#4249	2	#4 STIRRUP	18'-4" LF
#4250	1	#4 STIRRUP	9'-0" LF
#4251	1	#4 STIRRUP	8'-8" LF
#4252	2	#4 STIRRUP	16'-8" LF
#4253	2	#4 BENT BAR	14'-8" LF
#4254	1	#4 BENT BAR	6'-4" LF
#4255	1	#4 BENT BAR	5'-3" LF
#4256	1	#4 BENT BAR	4'-3" LF
#4257	1	#4 BENT BAR	3'-6" LF
#4258	1	#4 BENT BAR	2'-10" LF
#4259	1	#4 BENT BAR	2'-5" LF
#4261	1	#4 BENT BAR	10'-4" LF
#4262	8	#4 BENT BAR	307'-4" LF
#549	5	#5 BENT BAR	39'-2" LF
#565	5	#5 BENT BAR	40'-0" LF
#574	2	#5 BENT BAR	15'-6" LF

**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

1. UNIT WL. OF CONCRETE = 150 pcf  
 2. RELEASE CONCRETE STRENGTH = 3500 PSI  
 3. 28 DAY CONCRETE STRENGTH = 5000 PSI  
 4. REINFORCING STEEL-ASTM A615 GRADE 60  
 5. W.W.F. STEEL- ASTM A185



SHEET 5 OF 9

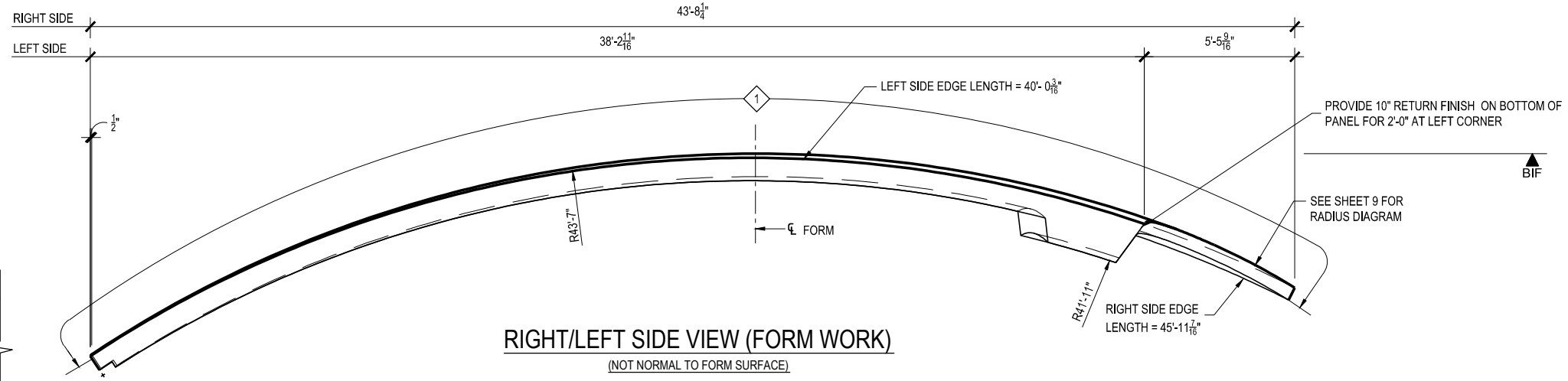
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DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PC-01</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		



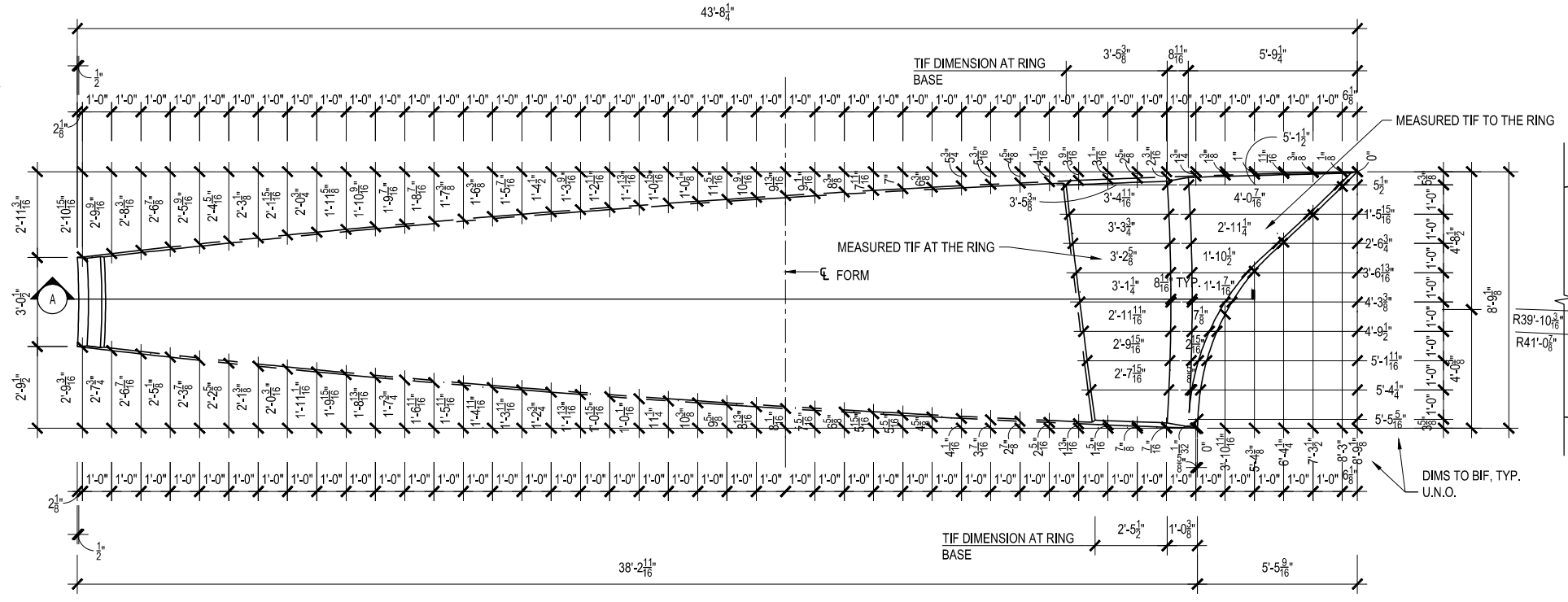
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECT(S) WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

**PRODUCTION NOTES**  
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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

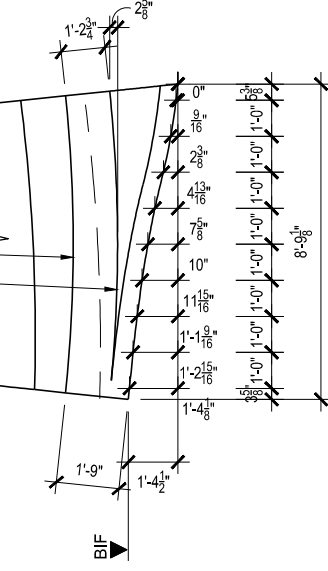


**RIGHT/LEFT SIDE VIEW (FORM WORK)**  
 (NOT NORMAL TO FORM SURFACE)

**NORMAL TO TOP VIEW (FORM WORK)**

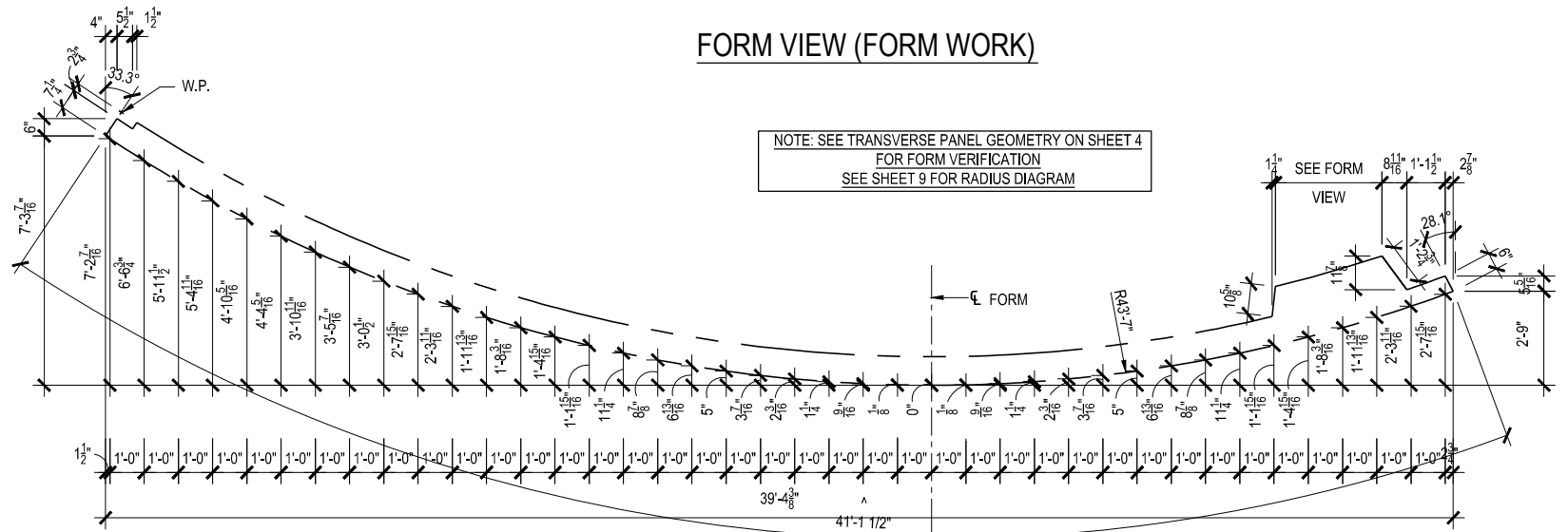


**FORM VIEW (FORM WORK)**



**BOTTOM SIDE VIEW (FORM WORK)**  
 ALIGNED TO BOTT. FACE  
 (NOT NORMAL TO FORM SURFACE)

**TOP SIDE VIEW (FORM WORK)**



**RADIUS DIAGRAM @ SECTION "A" (FORM WORK)**

SEE SHEET 1 OF 8 FOR HARDWARE

SEE SHEET 2, 3, 4, & 5 OF 8 FOR BENT BARS & ISOMETRIC VIEW

**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

SEE SHEET 1 OF 8 FOR FINISHES

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

SHEET 6 OF 9

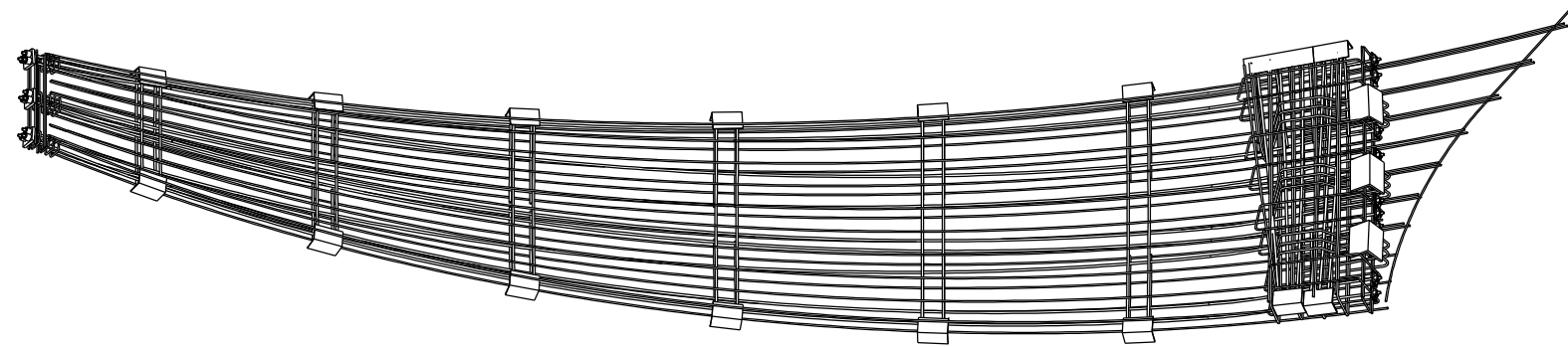
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DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PC-01</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		

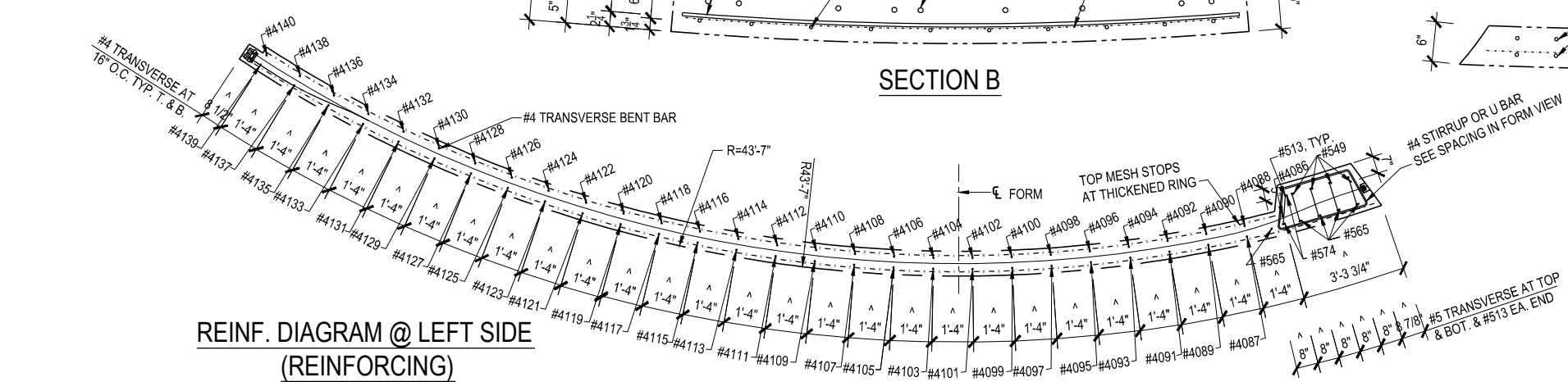
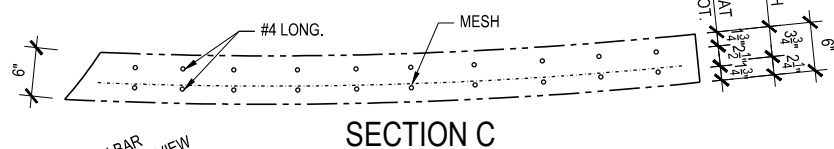
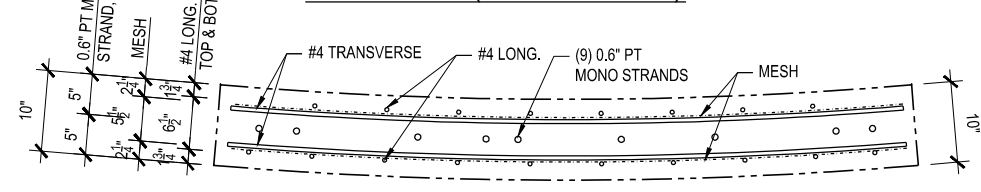
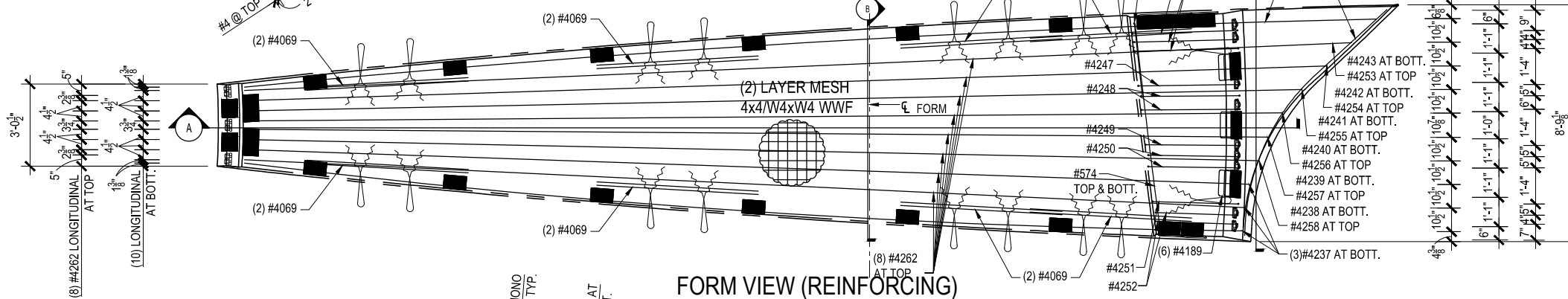
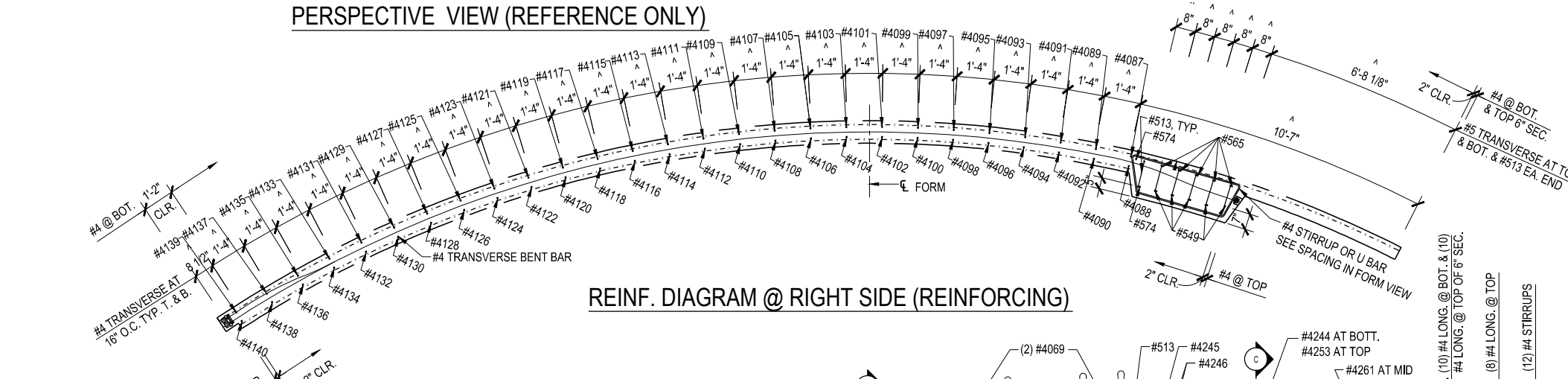
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
MESH	2 LTR	4x4/W4xW4 WWF	000 SF
PT STRAND	9	0.6"Ø PT MONO-STRAND	
#4011	4	#4 BENT BAR	19'-1 1/2" LF
#4065	12	#4 STIRRUP	30'-0" LF
#4189	6	#4 STIRRUP	26'-6" LF



PERSPECTIVE VIEW (REFERENCE ONLY)



**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 2, 3, 4, & 5 OF 9 FOR BENT BARS & ISOMETRIC VIEW  
 SEE SHEET 1 OF 9 FOR FINISHES

- UNIT Wt. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- WWF STEEL- ASTM A185

SHEET 7 OF 9

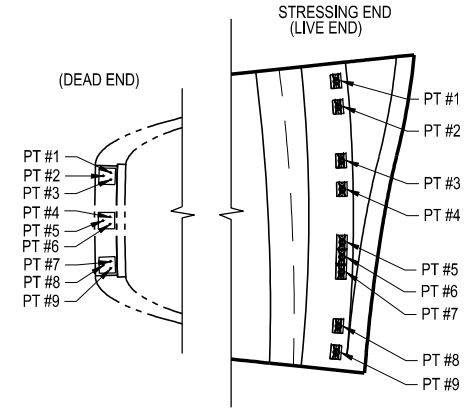
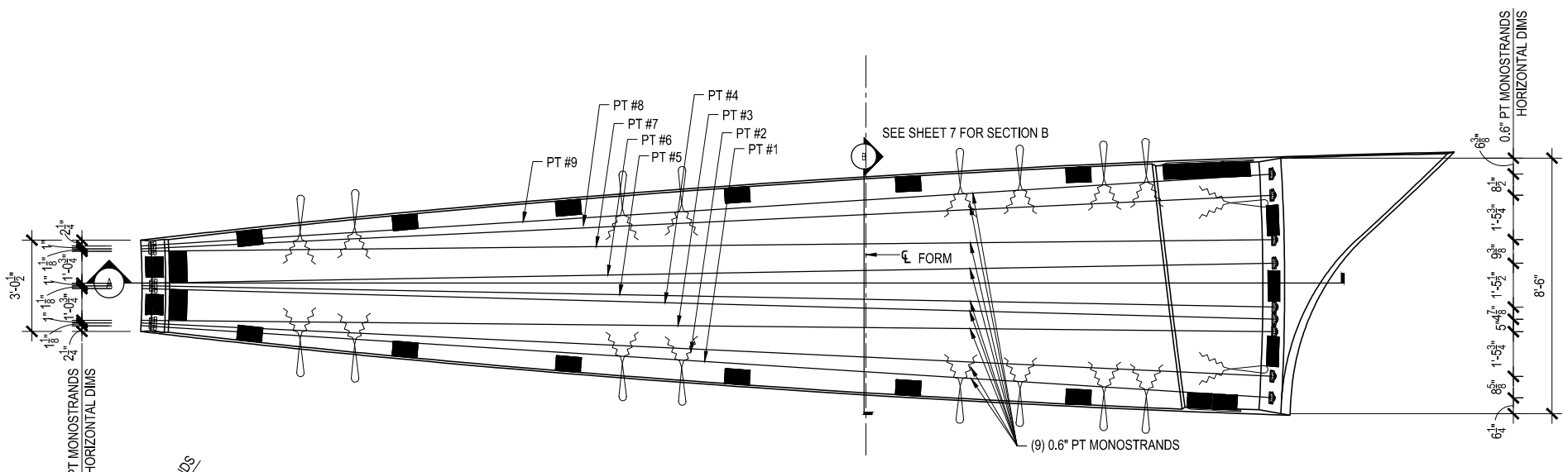
DRWN: JSF  
 DATE: 6-20-13  
 CHKR: NPR  
 DATE: 6-20-13

CU. YD.  
 WEIGHT:  
 SQ. FT.:  
 JOB #: 13049

NO.	DATE:	DESCRIPTION
REVISIONS		

PC-01

PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



**PT ARRANGEMENT DIAGRAM**

- PT PRODUCTION NOTES:
- PANEL CAN BE STRIPPED FROM MOLD & MOVED TO YARD.
  - WHEN PANEL REACHES  $f'c = 5000$  PSI, THE (9) 0.6" MONO-STRANDS CAN BE POST TENSIONED.
  - POST-TENSION START AT MID WIDTH. PATTERN: 4,6,5,7,3,9,1,8,2
  - APPLY PT IN TWO-INCREMENTS  
 A- 20% TO TAKE SLACK OUT  
 B- FINAL JACKING FORCE PER STRAND = 43.9K.
  - EXTENSION & GAUGE PRESSURE SHOULD CORRESPOND W/ FINAL JACKING FORCE

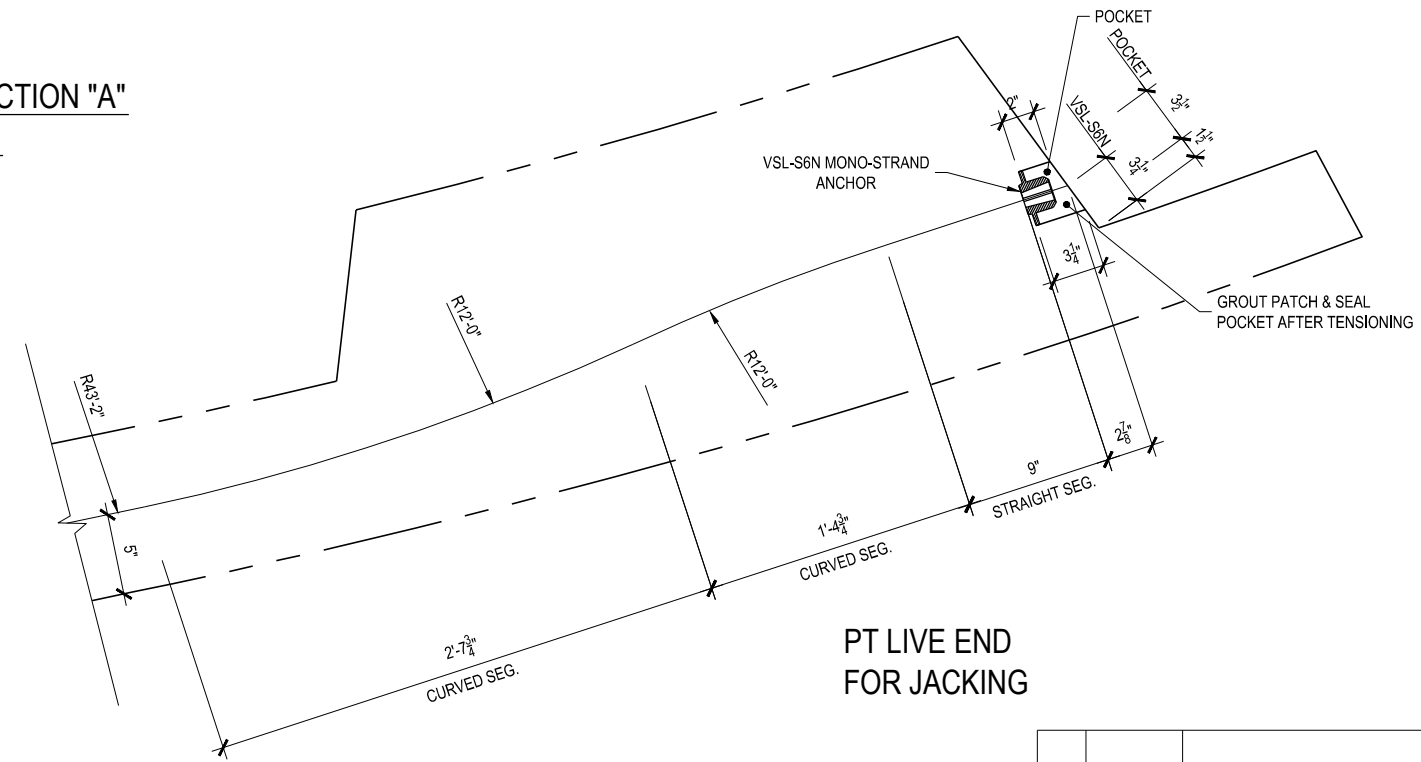
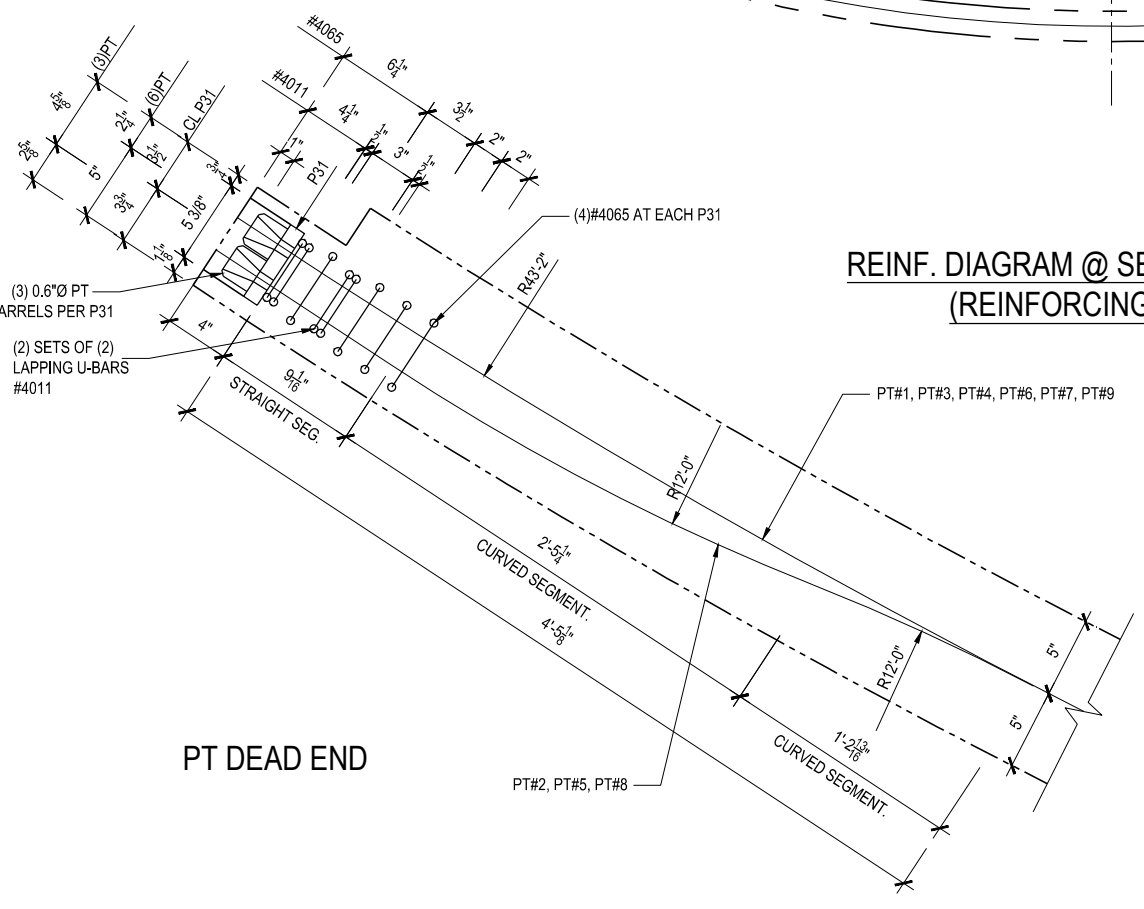
**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

SEE SHEET 1 OF 9 FOR HARDWARE  
 SEE SHEET 2, 3, 4, & 5 OF 9 FOR BENT BARS & ISOMETRIC VIEW  
 SEE SHEET 1 OF 9 FOR FINISHES

- UNIT WL. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- WWF STEEL- ASTM A185

**FORM VIEW (PT REINFORCING)**

**REINF. DIAGRAM @ SECTION "A" (REINFORCING)**



**PT LIVE END FOR JACKING**

**DETAIL 1**

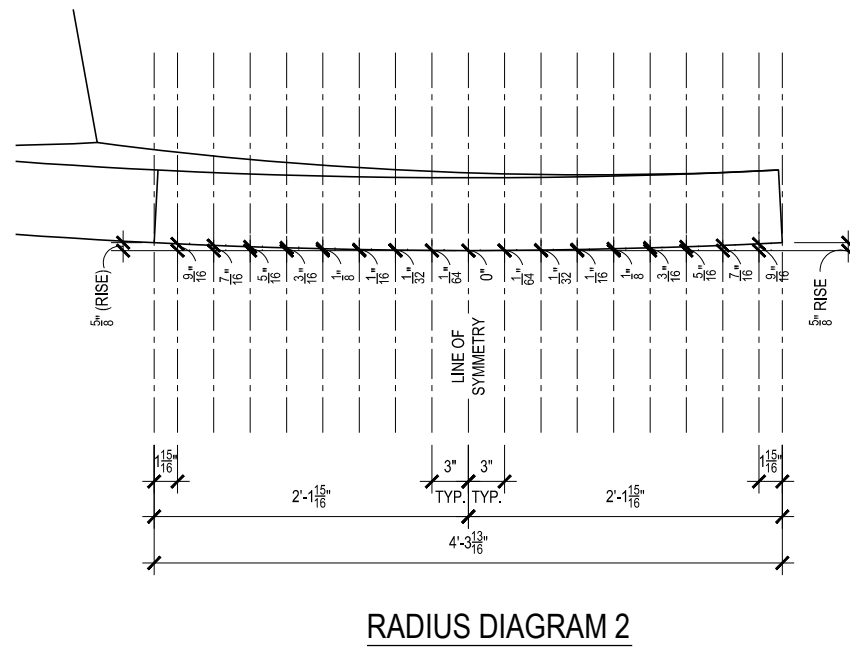
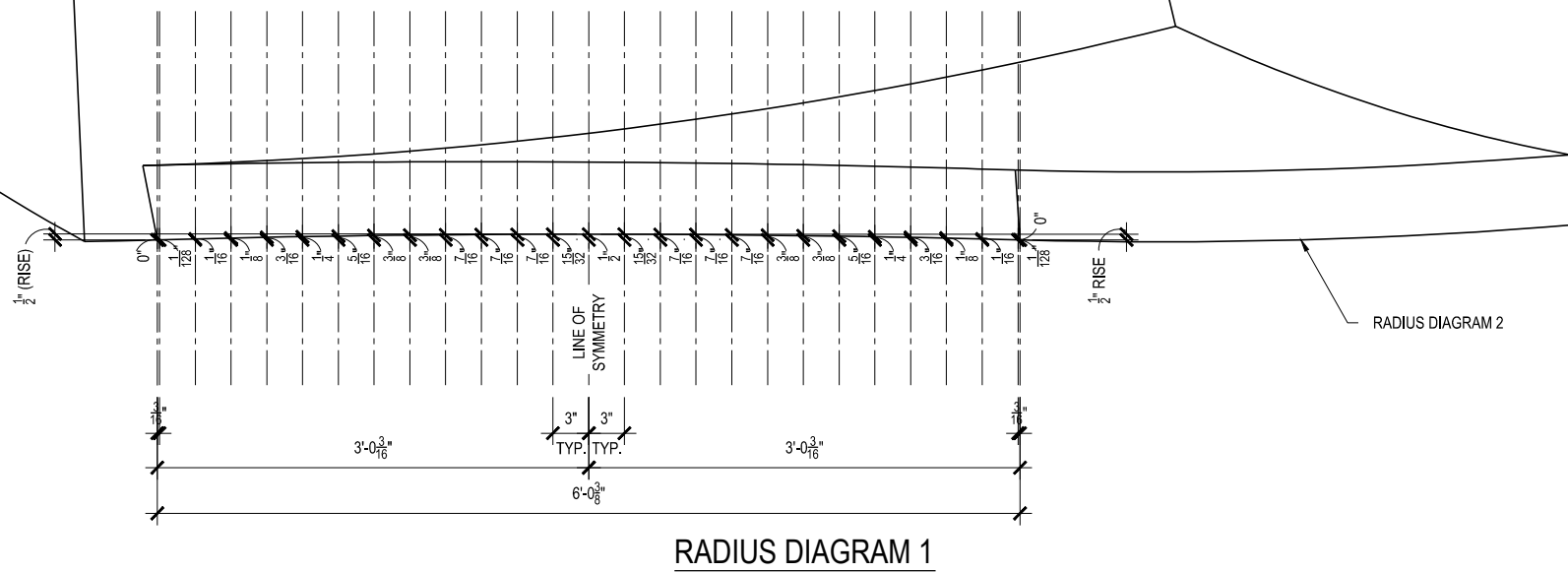
**DETAIL 2**

NO.	DATE:	DESCRIPTION
REVISIONS		

SHEET 8 OF 9

DRWN: JSF	CU. YD.
DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PC-01</b>	

PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



**APPROVED**  
 By Kate Akulova at 3:48 pm, Jun 21, 2013

SEE SHEET 1 OF 9  
 FOR HARDWARE  
 SEE SHEET 2, 3, 4, & 5 OF 9  
 FOR BENT BARS  
 & ISOMETRIC VIEW  
 SEE SHEET 1 OF 9  
 FOR FINISHES

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

SHEET 9 OF 9

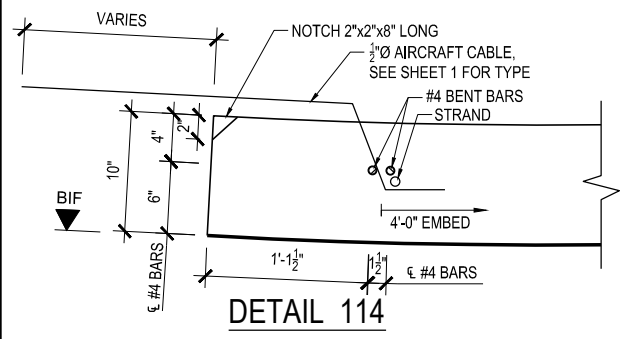
DRWN: JSF	CU. YD.
DATE: 6-20-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 6-20-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PC-01</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		





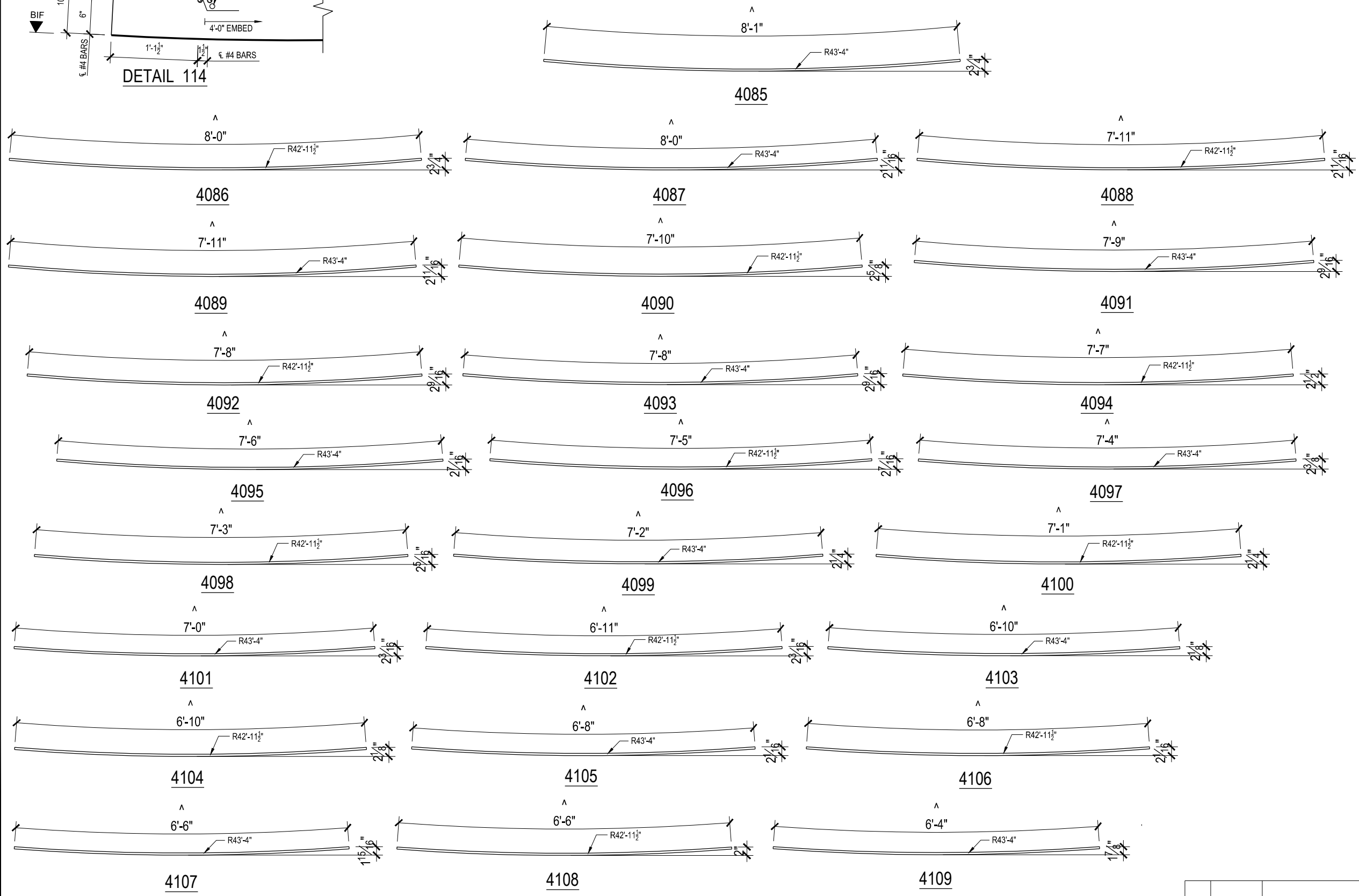




PRODUCTION NOTES  
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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
#4085	1	#4 BENT BAR	8'-1" LF
#4086	1	#4 BENT BAR	8'-0" LF
#4087	1	#4 BENT BAR	8'-0" LF
#4088	1	#4 BENT BAR	7'-11" LF
#4089	1	#4 BENT BAR	7'-11" LF
#4090	1	#4 BENT BAR	7'-10" LF
#4091	1	#4 BENT BAR	7'-9" LF
#4092	1	#4 BENT BAR	7'-8" LF
#4093	1	#4 BENT BAR	7'-8" LF
#4094	1	#4 BENT BAR	7'-7" LF
#4095	1	#4 BENT BAR	7'-6" LF
#4096	1	#4 BENT BAR	7'-5" LF
#4097	1	#4 BENT BAR	7'-4" LF
#4098	1	#4 BENT BAR	7'-3" LF
#4099	1	#4 BENT BAR	7'-2" LF
#4100	1	#4 BENT BAR	7'-1" LF
#4101	1	#4 BENT BAR	7'-0" LF
#4102	1	#4 BENT BAR	6'-11" LF
#4103	1	#4 BENT BAR	6'-10" LF
#4104	1	#4 BENT BAR	6'-10" LF
#4105	1	#4 BENT BAR	6'-8" LF
#4106	1	#4 BENT BAR	6'-8" LF
#4107	1	#4 BENT BAR	6'-6" LF
#4108	1	#4 BENT BAR	6'-6" LF
#4109	1	#4 BENT BAR	6'-4" LF



**REVISED**  
 1:08 pm, May 30, 2013

SEE SHEET 6,7 OF 7 FOR REINFORCING  
 SEE SHEET 1 OF 7 FOR HARDWARE  
 SEE SHEET 1 OF 7 FOR FINISHES

- 1. UNIT WL. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185

SHEET 3 OF 7

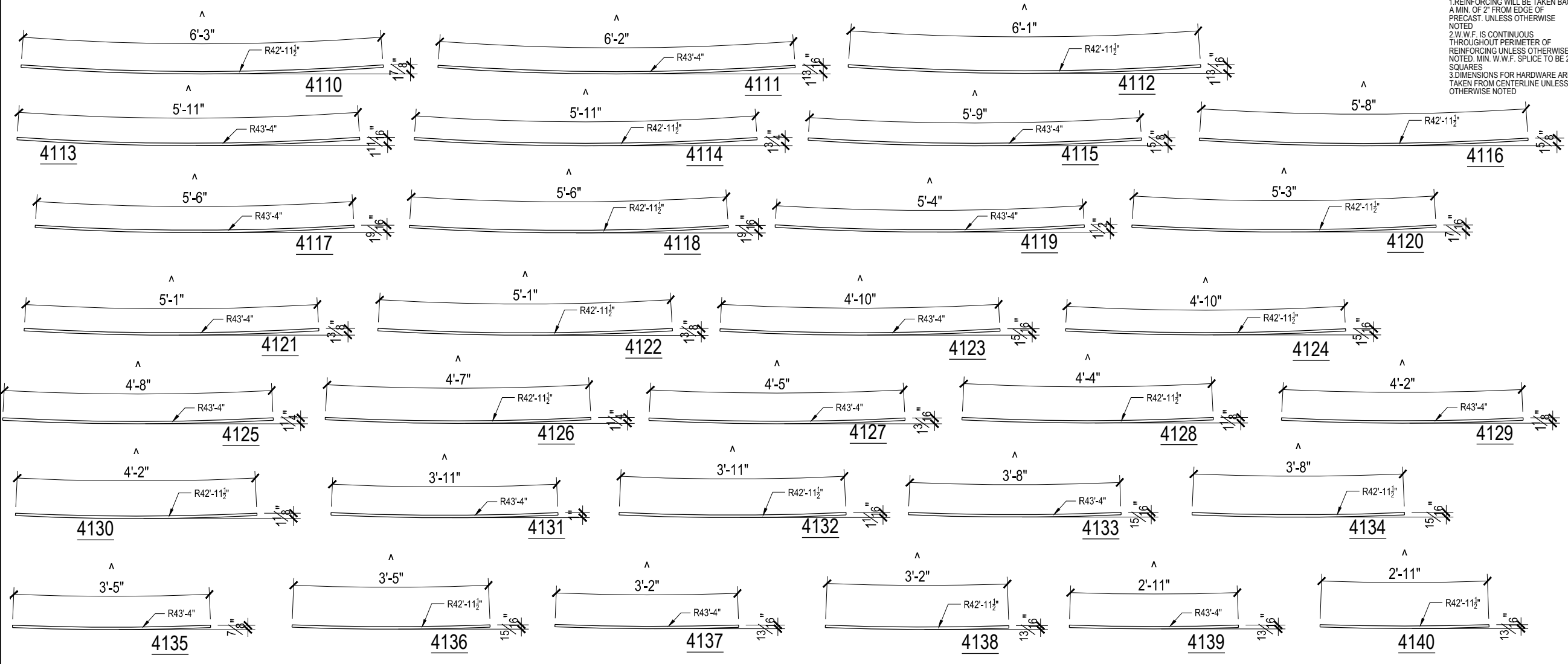
DRWN: NRW	CU. YD.
DATE: 5-22-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-22-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PD-01r1</b>	

NO.	DATE:	DESCRIPTION
REVISIONS		

PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
#4110	1	#4 BENT BAR	6'-3" LF
#4111	1	#4 BENT BAR	6'-2" LF
#4112	1	#4 BENT BAR	6'-1" LF
#4113	1	#4 BENT BAR	5'-11" LF
#4114	1	#4 BENT BAR	5'-11" LF
#4115	1	#4 BENT BAR	5'-9" LF
#4116	1	#4 BENT BAR	5'-8" LF
#4117	1	#4 BENT BAR	5'-6" LF
#4118	1	#4 BENT BAR	5'-6" LF
#4119	1	#4 BENT BAR	5'-4" LF
#4120	1	#4 BENT BAR	5'-3" LF
#4121	1	#4 BENT BAR	5'-1" LF
#4122	1	#4 BENT BAR	5'-1" LF
#4123	1	#4 BENT BAR	4'-10" LF
#4124	1	#4 BENT BAR	4'-10" LF
#4125	1	#4 BENT BAR	4'-8" LF
#4126	1	#4 BENT BAR	4'-7" LF
#4127	1	#4 BENT BAR	4'-5" LF
#4128	1	#4 BENT BAR	4'-4" LF
#4129	1	#4 BENT BAR	4'-2" LF
#4130	1	#4 BENT BAR	4'-2" LF
#4131	1	#4 BENT BAR	3'-11" LF
#4132	1	#4 BENT BAR	3'-11" LF
#4133	1	#4 BENT BAR	3'-8" LF
#4134	1	#4 BENT BAR	3'-8" LF
#4135	1	#4 BENT BAR	3'-5" LF
#4136	1	#4 BENT BAR	3'-5" LF
#4137	1	#4 BENT BAR	3'-2" LF
#4138	1	#4 BENT BAR	3'-2" LF
#4139	1	#4 BENT BAR	2'-11" LF
#4140	1	#4 BENT BAR	2'-11" LF



SEE SHEET 6,7 OF 7 FOR REINFORCING

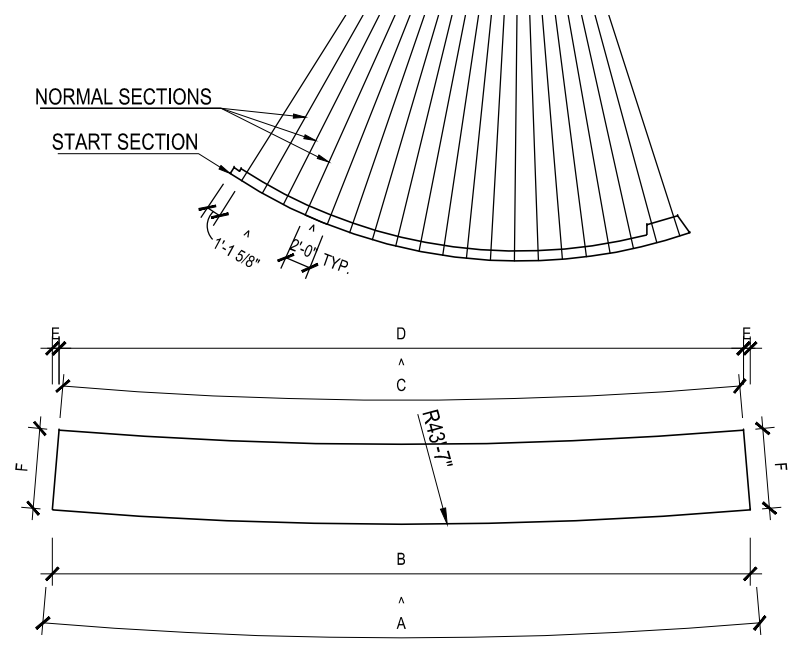
SEE SHEET 1 OF 7 FOR HARDWARE

SEE SHEET 1 OF 7 FOR FINISHES

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- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

ARC LENGTH FROM TOP OF PNL. @ CL	A	B	C	D	E	F
1'-1 5/8"	3'-3 5/16"	3'-3 5/16"	3'-2 9/16"	3'-2 9/16"	3/8"	0'-10"
3'-1 5/8"	3'-7 15/16"	3'-7 15/16"	3'-7 1/8"	3'-7 1/16"	7/16"	0'-10"
5'-1 5/8"	4'-0 1/2"	4'-0 1/2"	3'-11 9/16"	3'-11 9/16"	1/2"	0'-10"
7'-1 5/8"	4'-4 15/16"	4'-4 15/16"	4'-3 7/8"	4'-3 7/8"	1/2"	0'-10"
9'-1 5/8"	4'-9 1/4"	4'-9 1/4"	4'-8 1/8"	4'-8 1/8"	9/16"	0'-10"
11'-1 5/8"	5'-1 7/16"	5'-1 7/16"	5'-0 1/4"	5'-0 1/4"	5/8"	0'-10"
13'-1 5/8"	5'-5 9/16"	5'-5 1/2"	5'-4 1/4"	5'-4 1/4"	5/8"	0'-10"
15'-1 5/8"	5'-9 7/16"	5'-9 7/16"	5'-8 1/8"	5'-8 1/16"	11/16"	0'-10"
17'-1 5/8"	6'-1 1/4"	6'-1 3/16"	5'-11 13/16"	5'-11 3/4"	11/16"	0'-10"
19'-1 5/8"	6'-4 7/8"	6'-4 13/16"	6'-3 3/8"	6'-3 5/16"	3/4"	0'-10"
21'-1 5/8"	6'-8 5/16"	6'-8 1/4"	6'-6 3/4"	6'-6 11/16"	3/4"	0'-10"
23'-1 5/8"	6'-11 9/16"	6'-11 1/2"	6'-9 15/16"	6'-9 7/8"	13/16"	0'-10"
25'-1 5/8"	7'-2 11/16"	7'-2 9/16"	7'-1"	7'-0 15/16"	13/16"	0'-10"

ARC LENGTH FROM TOP OF PNL. @ CL	A	B	C	D	E	F
27'-1 5/8"	7'-5 5/8"	7'-5 1/2"	7'-3 7/8"	7'-3 3/4"	7/8"	0'-10"
29'-1 5/8"	7'-8 5/16"	7'-8 3/16"	7'-6 9/16"	7'-6 7/16"	7/8"	0'-10"
31'-1 5/8"	7'-10 7/8"	7'-10 3/4"	7'-9"	7'-8 7/8"	15/16"	0'-10"
33'-1 5/8"	8'-1 3/16"	8'-1 1/16"	7'-11 5/16"	7'-11 3/16"	15/16"	0'-10"
35'-1 5/8"	8'-3 5/16"	8'-3 1/8"	8'-1 3/8"	8'-1 1/4"	15/16"	0'-10"
37'-1 5/8"	8'-5 3/16"	8'-5 1/16"	8'-1 5/16"	8'-1 1/8"	1 15/16"	1'-8"
39'-1 5/8"	8'-6 7/8"	8'-6 3/4"	8'-2 15/16"	8'-2 3/4"	2"	1'-8"



SECTIONS NORMAL TO FORM SURFACE

**TRANSVERSE PANEL GEOMETRY**

**REVISED**  
 1:08 pm, May 30, 2013

NO.	DATE:	DESCRIPTION
REVISIONS		

**SHEET 4 OF 7**

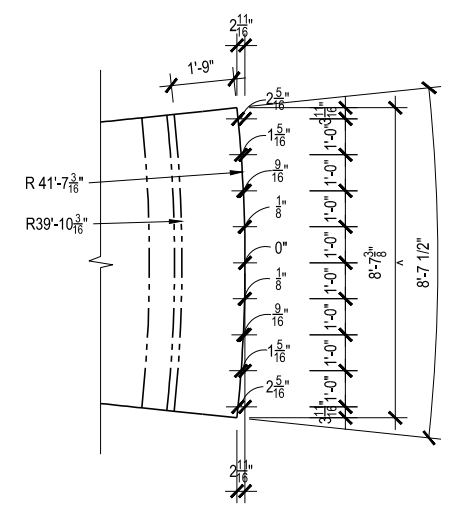
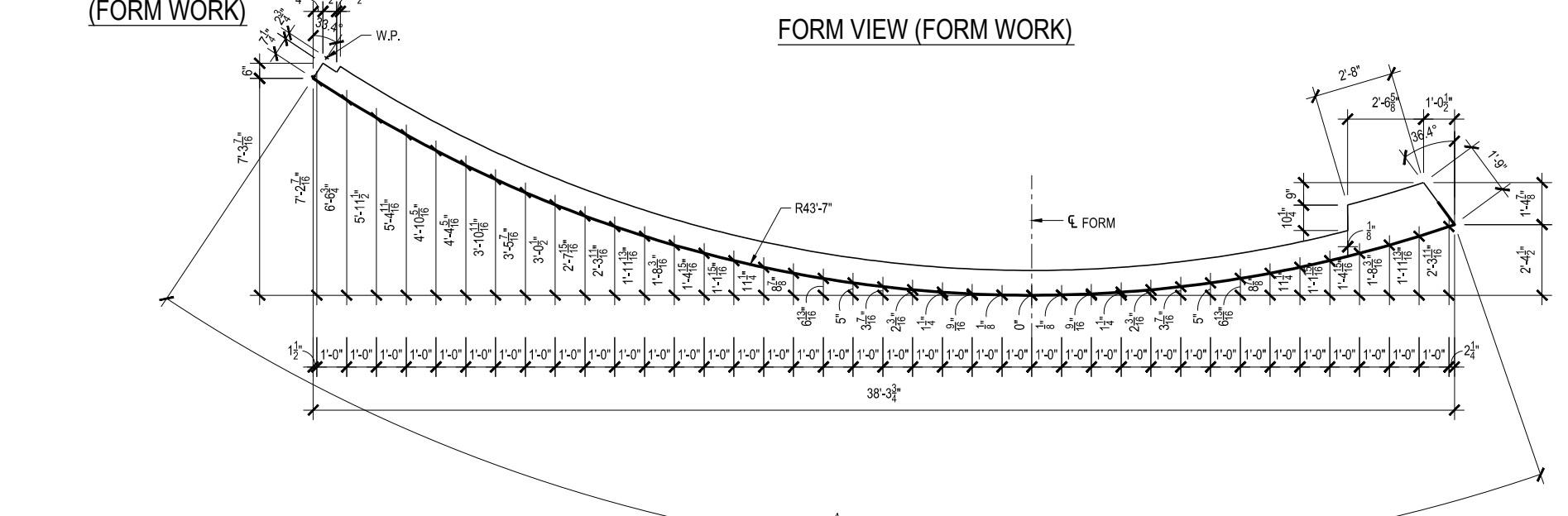
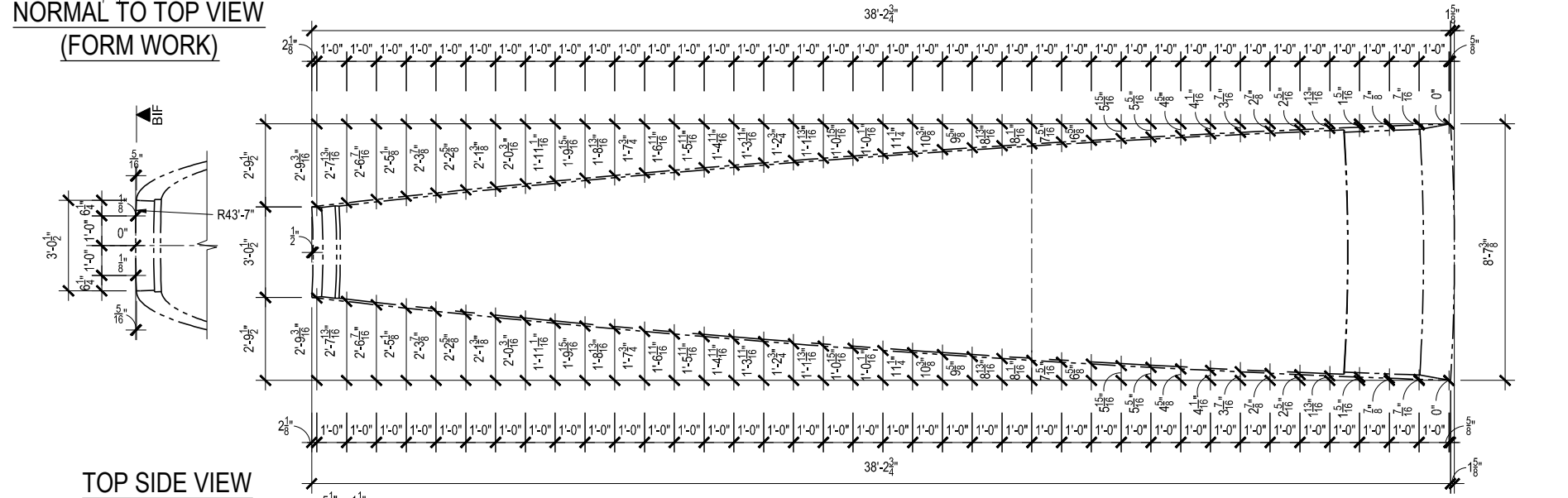
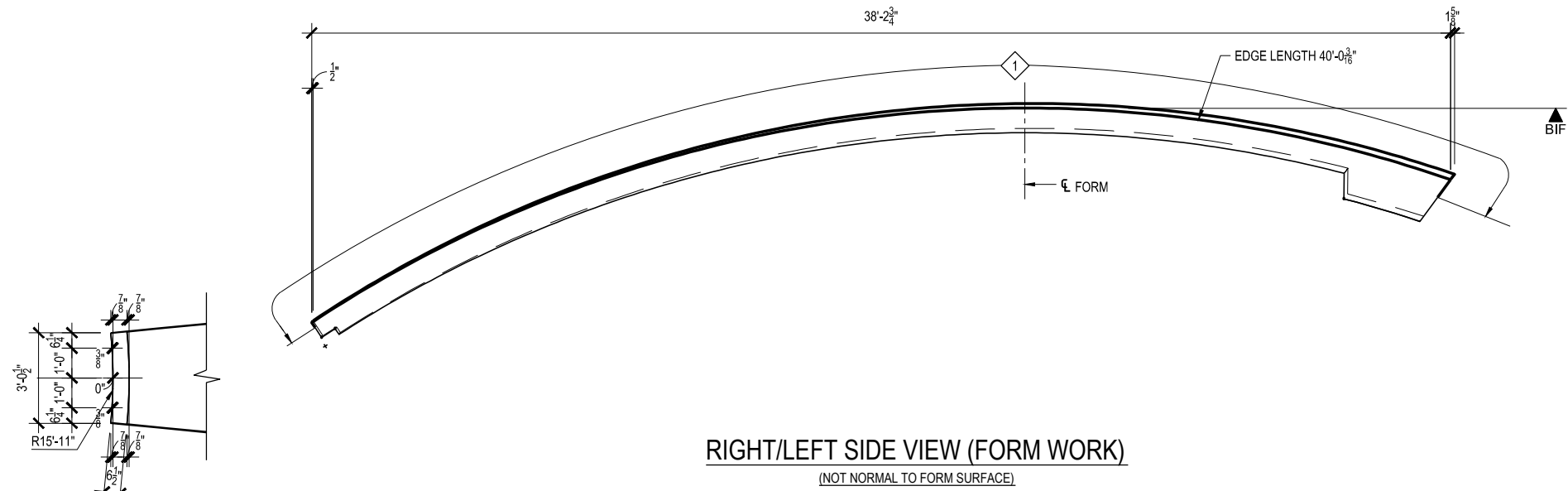
DRWN: NRW	CU. YD.
DATE: 5-22-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-22-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PD-01r1</b>	



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 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED.

**REVISED**  
 1:08 pm, May 30, 2013



SEE SHEET 1 OF 7  
 FOR HARDWARE

SEE SHEET 2,3,4 OF 7  
 FOR BENT BARS  
 & ISOMETRIC VIEW

SEE SHEET 1 OF 7  
 FOR FINISHES

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. W.W.F. STEEL- ASTM A185

SHEET 5 OF 7

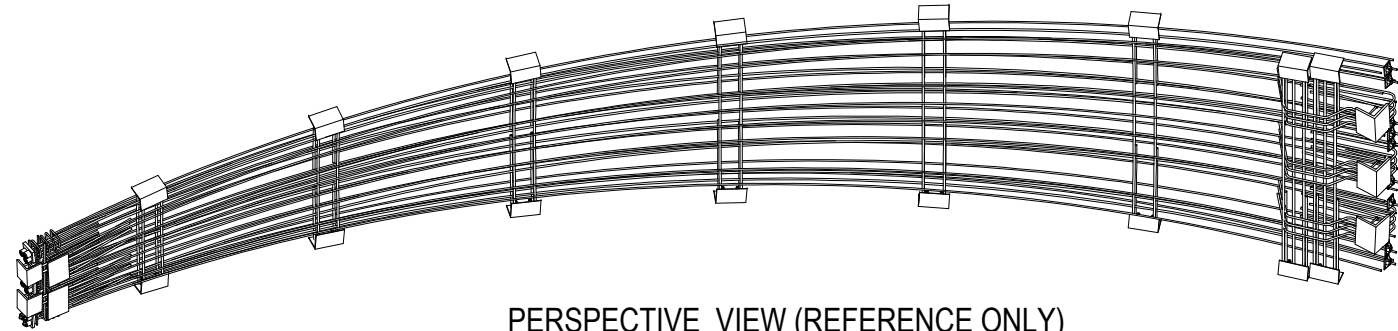
NO.	DATE:	DESCRIPTION
REVISIONS		

DRWN: NRW	CU. YD.
DATE: 5-22-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-22-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PD-01 r1</b>	

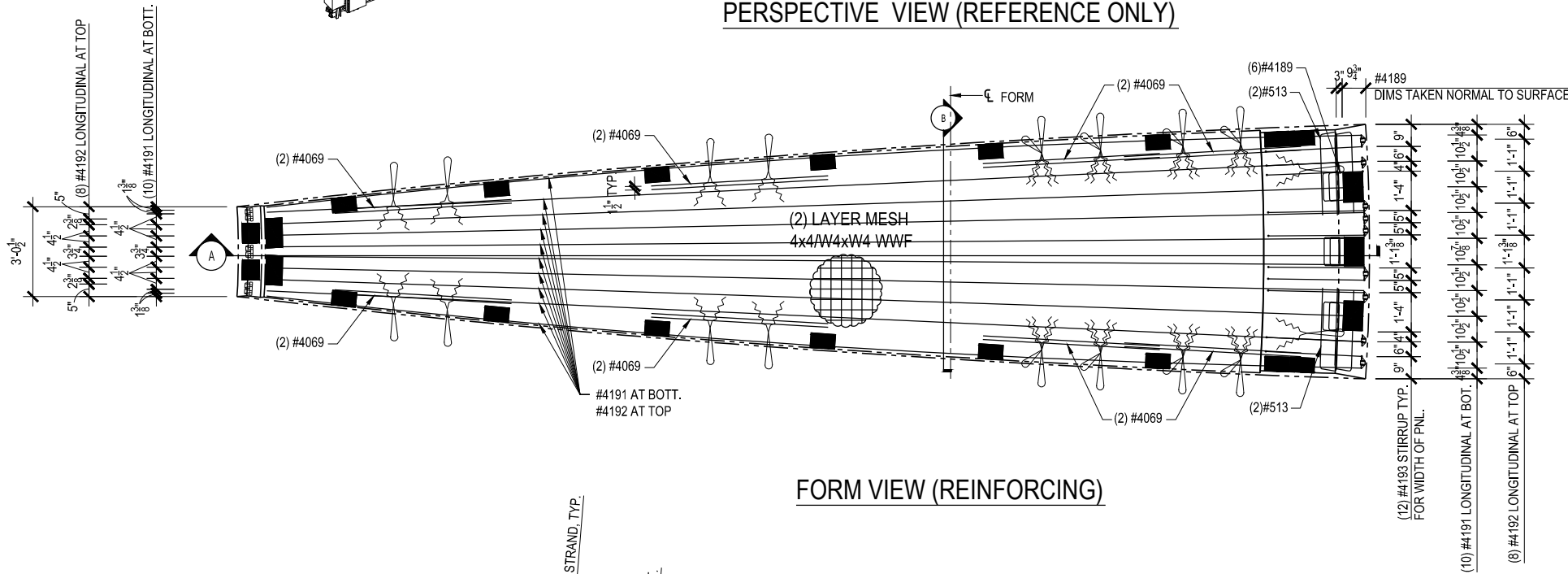
PRODUCTION NOTES  
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 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

**REINFORCEMENT**

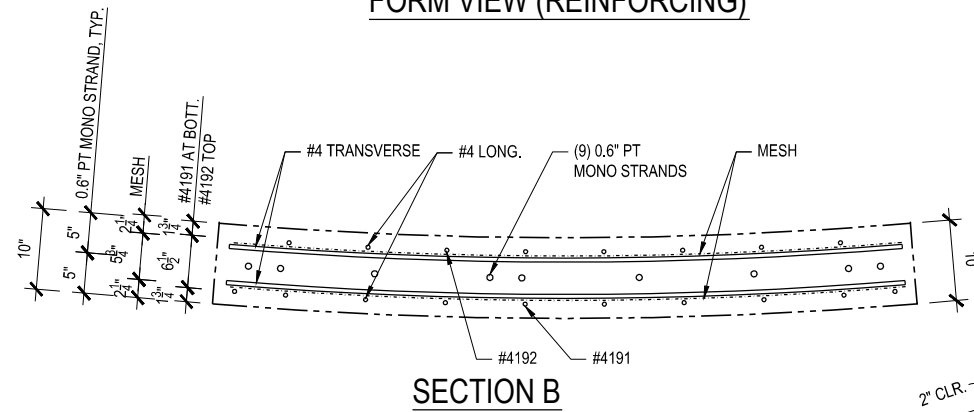
ITEM	QTY.	DESCRIPTION	TOTALS
#4011	4	#4 BENT BAR	19'-1 1/2" LF
#4065	12	#4 BENT BAR	29'-0" LF
#4069	16	#4 BENT BAR	96'-0" LF
#4191	10	#4 BENT BAR	384'-7" LF
#4192	8	#4 BENT BAR	306'-0" LF
#4193	12	#4 BENT BAR	117'-0" LF
#4189	6	#4 BENT BAR	26'-6" LF
#513	4	#5 BENT BAR	26'-0" LF
#542	5	#5 BENT BAR	40'-10" LF
#543	4	#5 BENT BAR	28'-8" LF
MESH	2 LTR	4x4/W4xW4 WWF	000 SF
PT STRAND	9	0.6"Ø PT MONO-STRAND	



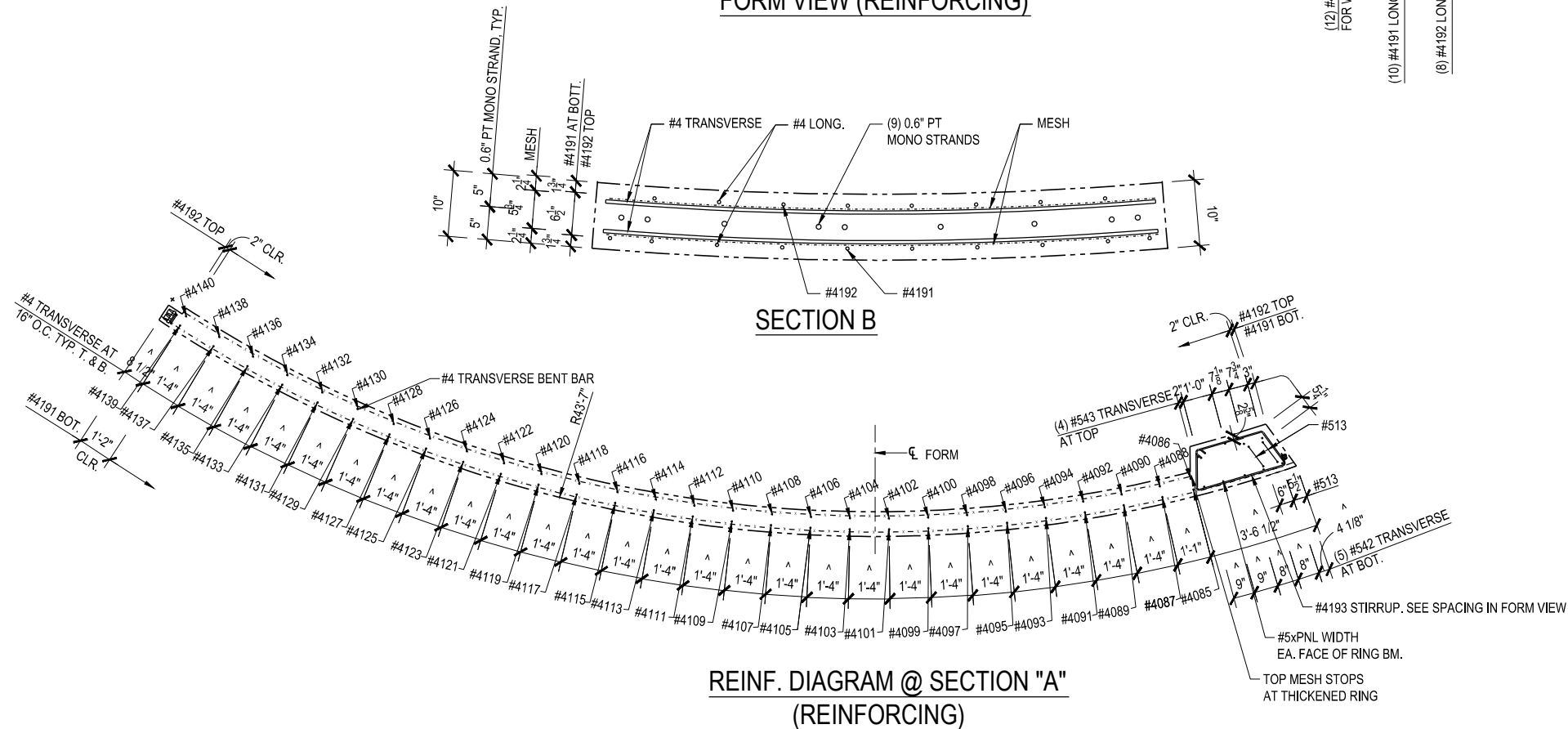
PERSPECTIVE VIEW (REFERENCE ONLY)



FORM VIEW (REINFORCING)



SECTION B



REINF. DIAGRAM @ SECTION "A"  
(REINFORCING)

**REVISED**  
 1:08 pm, May 30, 2013

SEE SHEET 1 OF 7  
 FOR HARDWARE  
 SEE SHEET 2,3,4 OF 7  
 FOR BENT BARS  
 & ISOMETRIC VIEW  
 SEE SHEET 1 OF 7  
 FOR FINISHES

1. UNIT Wt. OF CONCRETE = 150 pcf  
 2. RELEASE CONCRETE STRENGTH = 3500 PSI  
 3. 28 DAY CONCRETE STRENGTH = 5000 PSI  
 4. REINFORCING STEEL-ASTM A615 GRADE 60  
 5. WWF STEEL- ASTM A185

SHEET 6 OF 7

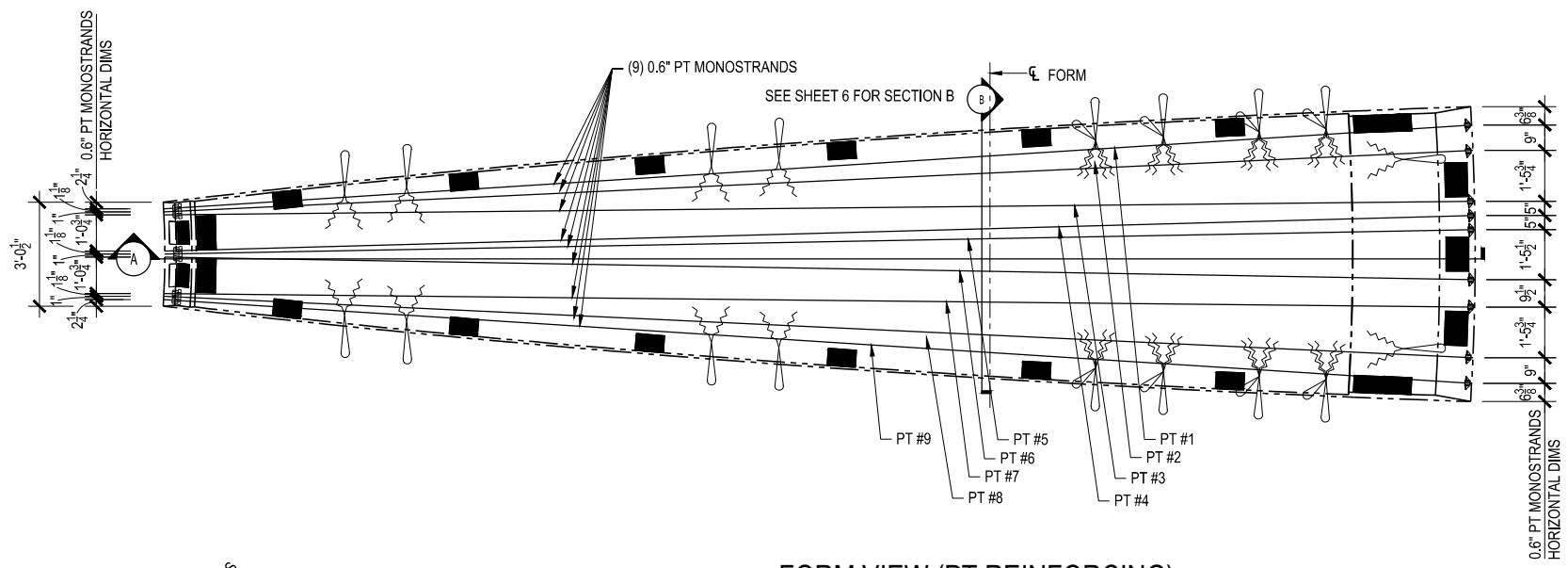
DRWN: NRW  
 DATE: 5-22-13  
 CHKR: NPR  
 DATE: 5-22-13

CU. YD.  
 WEIGHT:  
 SQ. FT.:  
 JOB #: 13049  
 PIECE MARK

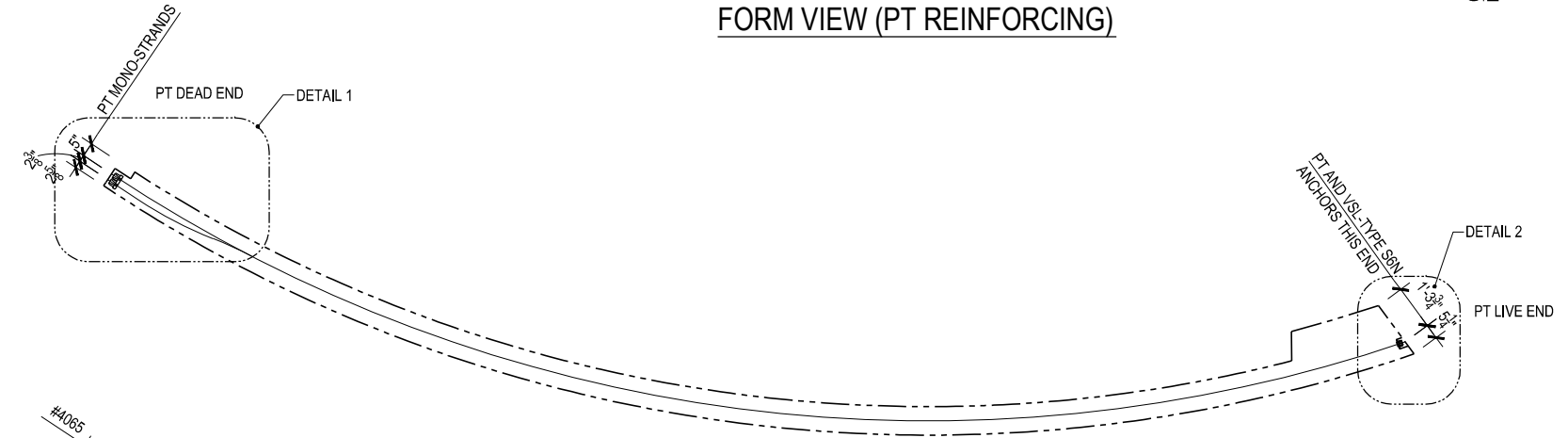
NO.	DATE:	DESCRIPTION
REVISIONS		

PD-01 r1

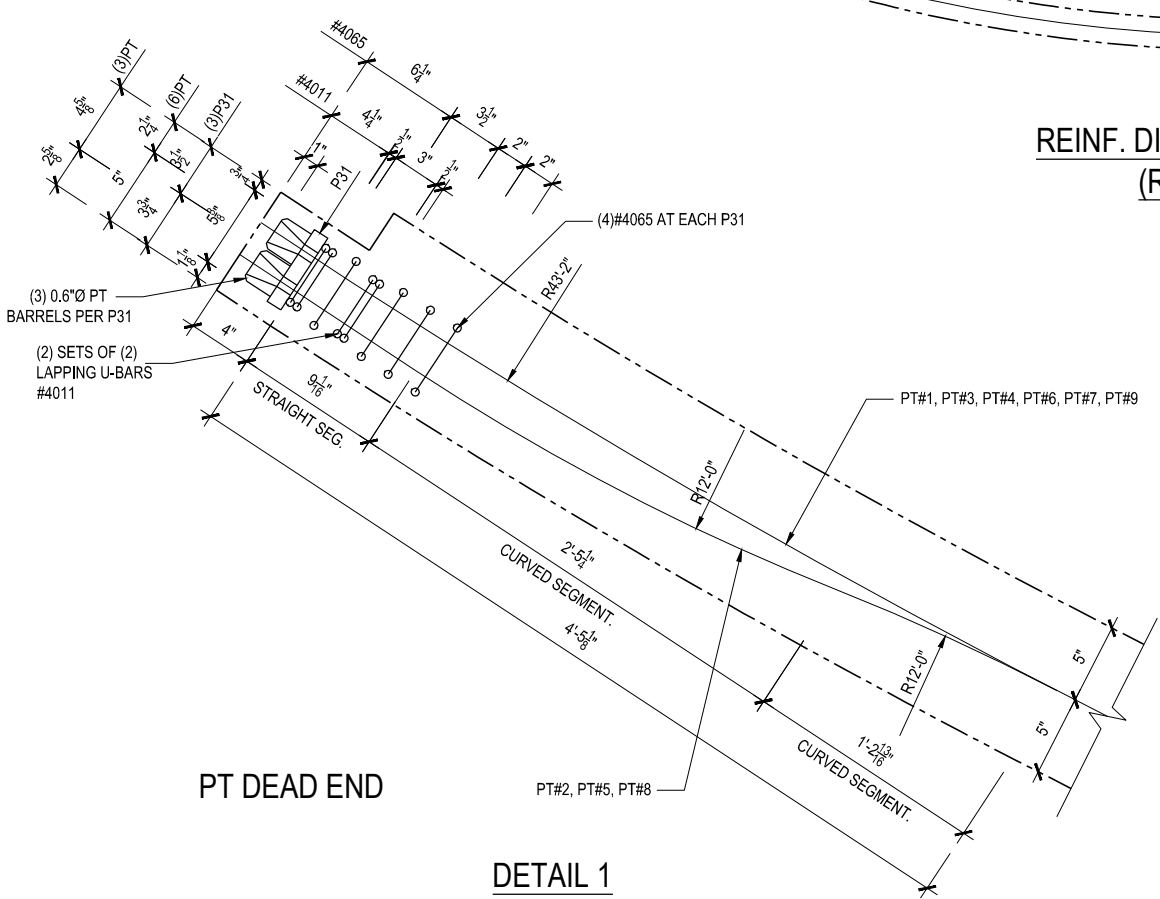
PRODUCTION NOTES  
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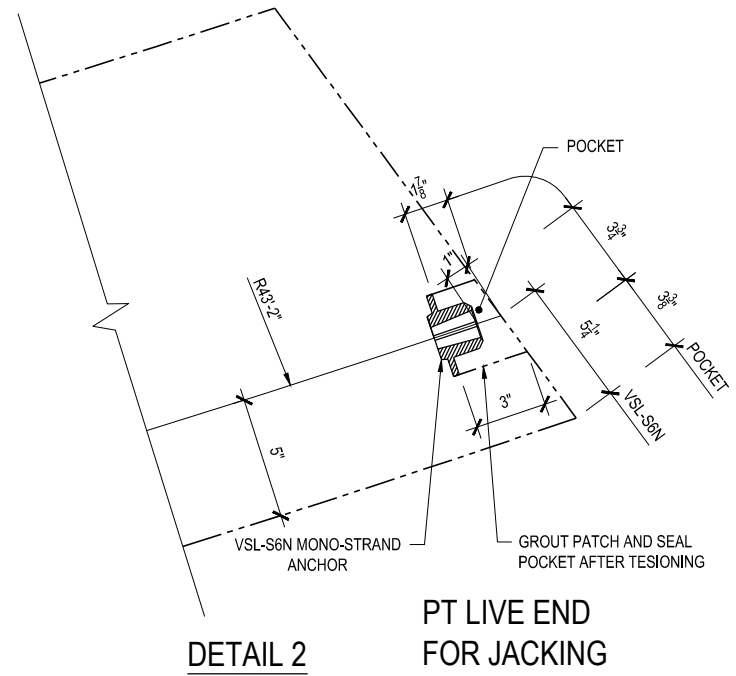
FORM VIEW (PT REINFORCING)



REINF. DIAGRAM @ SECTION "A" (REINFORCING)

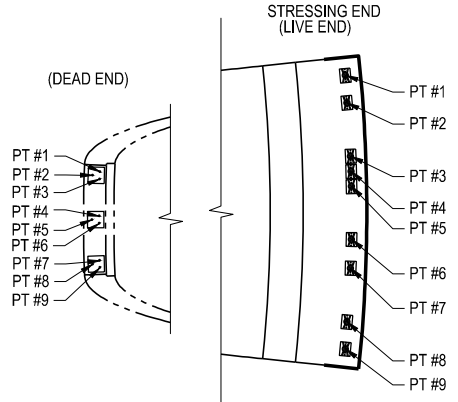


DETAIL 1



DETAIL 2

PT LIVE END FOR JACKING



PT ARRANGEMENT DIAGRAM

- PT PRODUCTION NOTES:
- PANEL CAN BE STRIPPED FROM MOLD & MOVED TO YARD.
  - WHEN PANEL REACHES  $f'c = 5000$  PSI, THE (9) 0.6" MONO-STRANDS CAN BE POST TENSIONED.
  - POST-TENSION START AT MID WIDTH. PATTERN: 4,6,5,7,3,9, 1,8,2
  - APPLY PT IN TWO-INCREMENTS  
 A- 20% TO TAKE SLACK OUT  
 B- FINAL JACKING FORCE PER STRAND = 43.9K.
  - EXTENSION & GAUGE PRESSURE SHOULD CORRESPOND W/ FINAL JACKING FORCE

**REVISED**  
 1:08 pm, May 30, 2013

SEE SHEET 1 OF 7 FOR HARDWARE  
 SEE SHEET 2,3,4 OF 7 FOR BENT BARS & ISOMETRIC VIEW  
 SEE SHEET 1 OF 7 FOR FINISHES

- UNIT WL. OF CONCRETE = 150 pcf
- RELEASE CONCRETE STRENGTH = 3500 PSI
- 28 DAY CONCRETE STRENGTH = 5000 PSI
- REINFORCING STEEL-ASTM A615 GRADE 60
- WWF STEEL- ASTM A185

SHEET 7 OF 7

DRWN: NRW	CU. YD.
DATE: 5-22-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-22-13	JOB #: 13049
QUANTITY	PIECE MARK

NO.	DATE:	DESCRIPTION
REVISIONS		

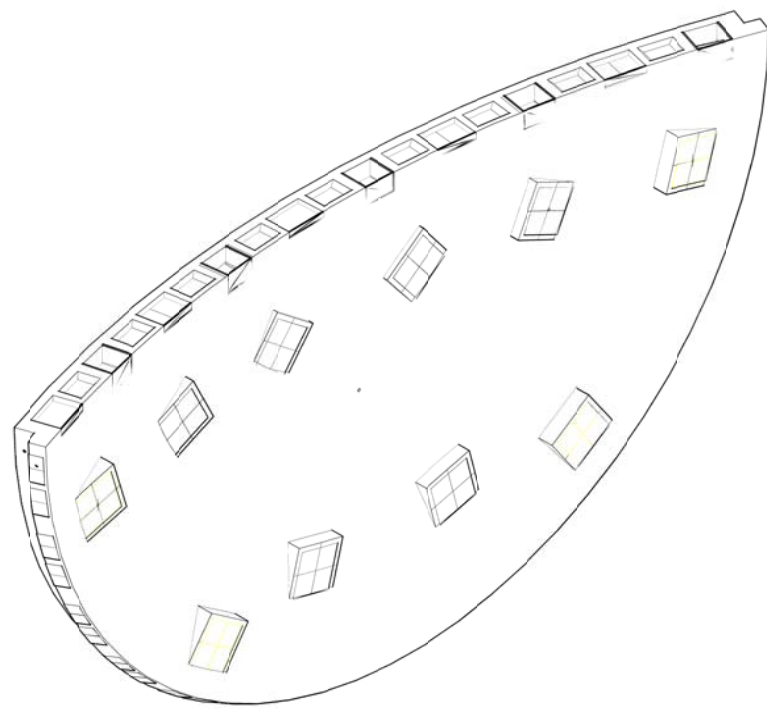
PD-01 r1



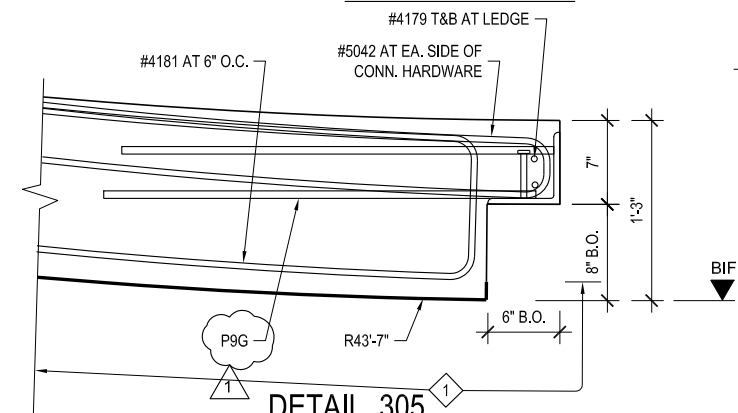




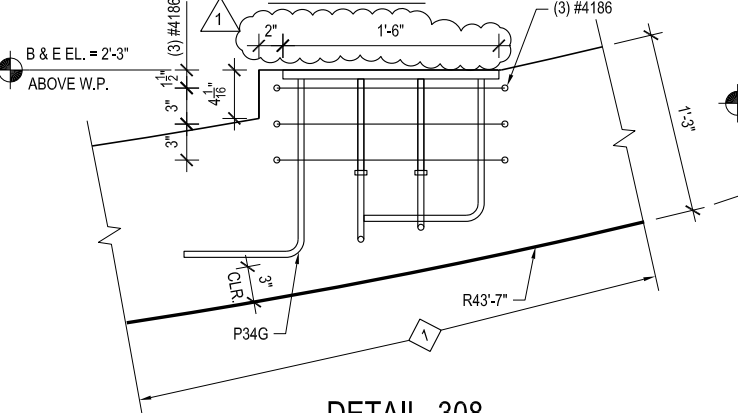
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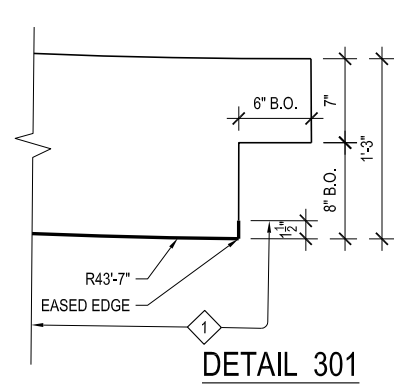
**ISOMETRIC VIEW**



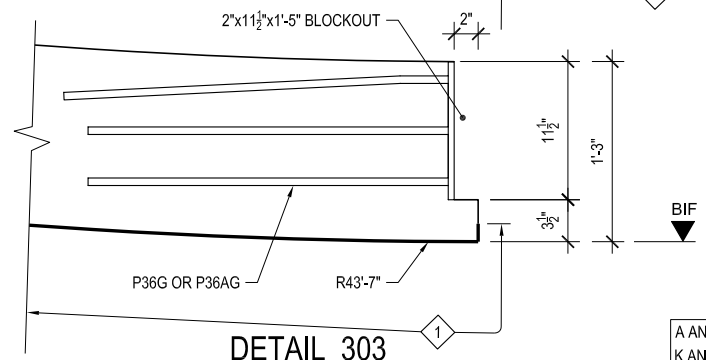
**DETAIL 305**



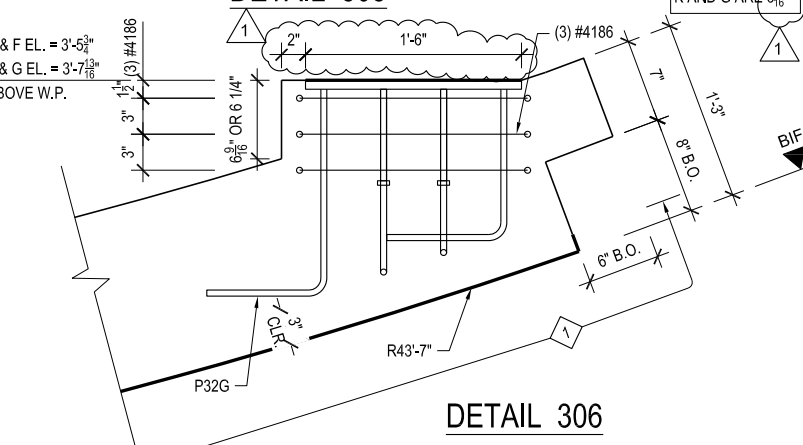
**DETAIL 308**



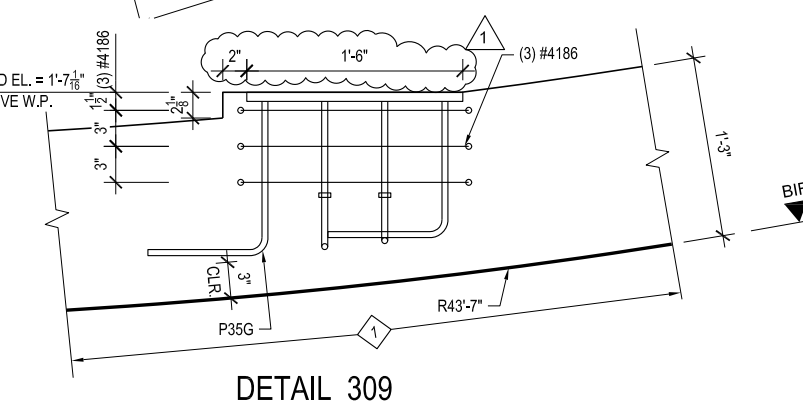
**DETAIL 301**



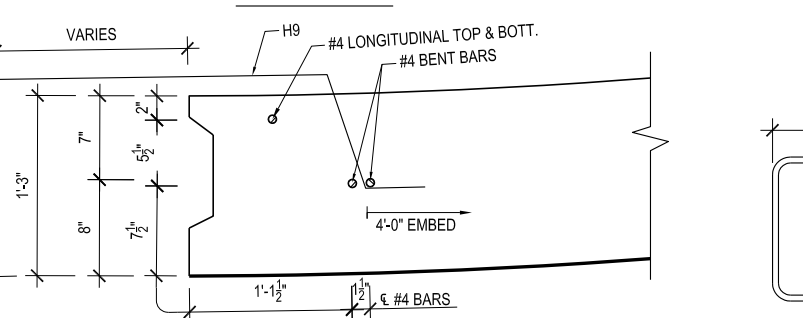
**DETAIL 303**



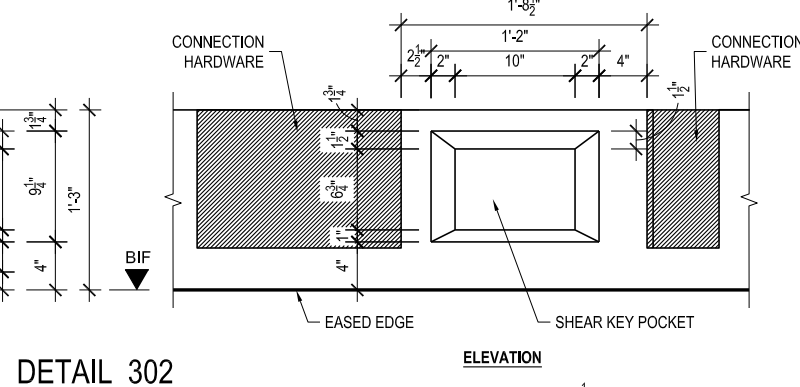
**DETAIL 306**



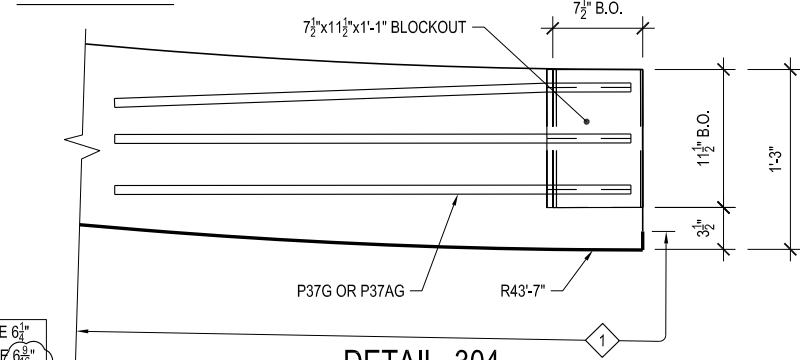
**DETAIL 309**



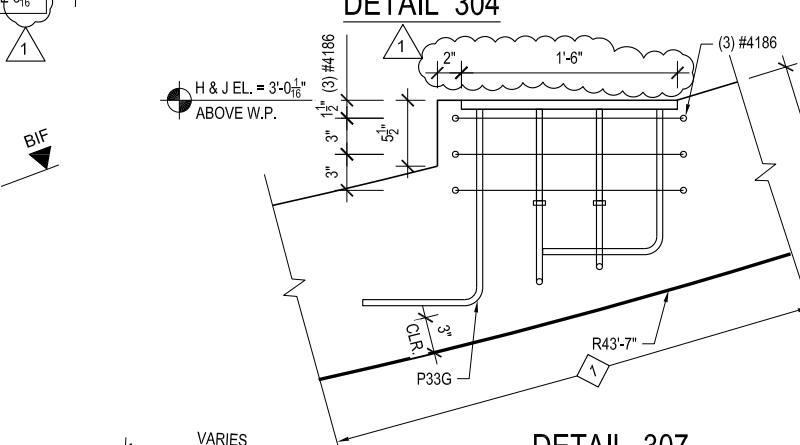
**DETAIL 311**



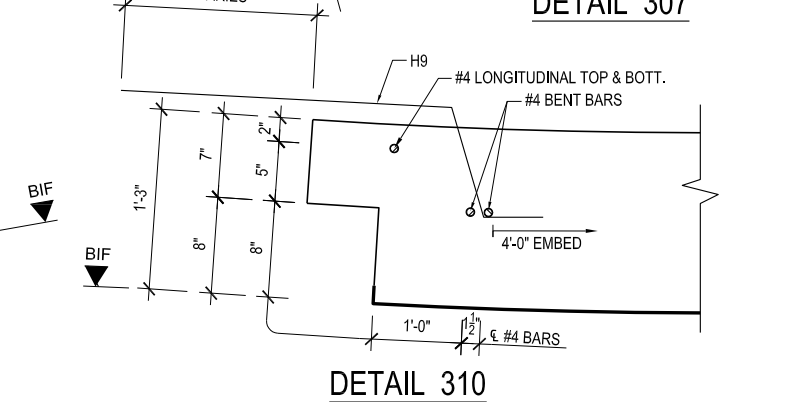
**DETAIL 302**



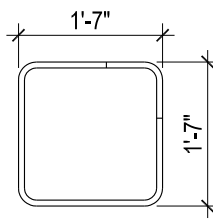
**DETAIL 304**



**DETAIL 307**



**DETAIL 310**



**#4186**

**PRODUCTION NOTES**  
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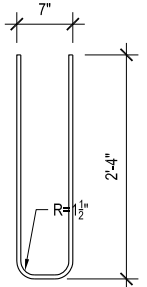
**SEE SHEET 1&2 OF 5 FOR HARDWARE**  
**SEE SHEET 1 OF 5 FOR FINISHES**  
**SEE SHEET 4 OF 5 FOR FORM VIEW**  
**SEE SHEET 5 OF 5 FOR REINFORCING**

**HARDWARE**

ITEM	QTY.	DESCRIPTION
P36AG	1	PL 1/2"x11 1/2'x1'-5" w/ (10)-#5x2'-6" A706, (5)-#5x2'-8" BENT A706 (GALV.)
P37G	3	(2)-L8x6x1/2'x0'-11 1/2" & PL 3/8"x3 1/2'x11 1/2" w/ (2)-#6x3'-0" A706, (2)-#6x3'-7" A706, (1)-#6x3'-0" TIP 2" A706, (1)-#6x3'-7" TIP 2" A706.
P37AG	2	(2)-L8x6x1/2'x0'-11 1/2" & PL 3/8"x3 1/2'x11 1/2" w/ (2)-#6x3'-0" A706, (1)-#6x2'-11" TIP 2" A706, (1)-#6x3'-7" A706, (1)-#6x3'-6" BENT A706, (1)-#6x3'-7" BENT A706 ON EA. L8 (GALV.)
P38	2	PRO-BEL PBE 96-C1P2
H9	16	1/2"Ø x 18'-6" AIRCRAFT CABLE

**REVISED**  
 4:21 pm, Jun 12, 2013

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185



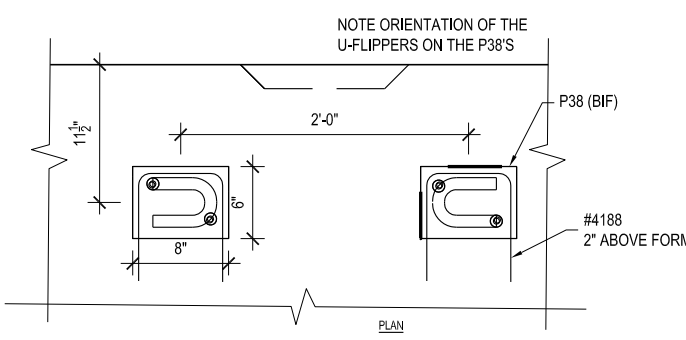
**#4188**

SHEET 2 OF 5

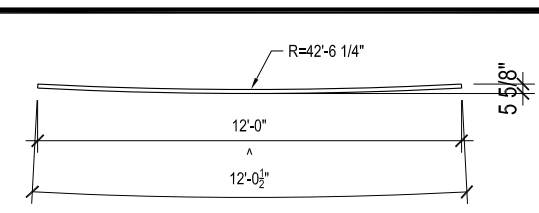
NO.	DATE:	DESCRIPTION
2	6-12-13	FORM ORIENTATION
1	5-30-13	DIMS
REVISIONS		

DRWN: JSF	CU. YD.
DATE: 5-16-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-16-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PK-01 r2</b>	

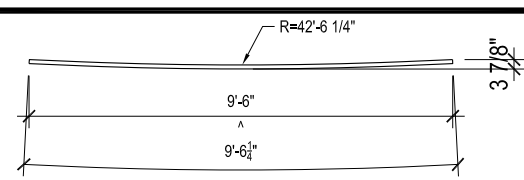
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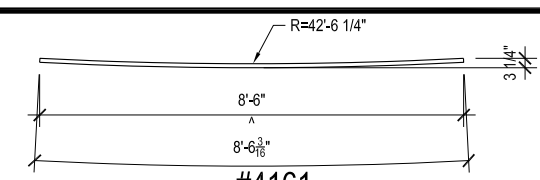
**DETAIL 312**



**#4159**

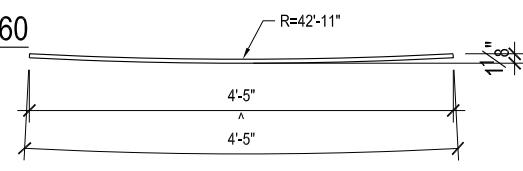


**#4160**

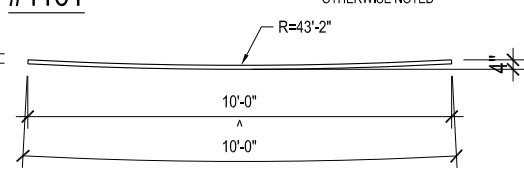


**#4161**

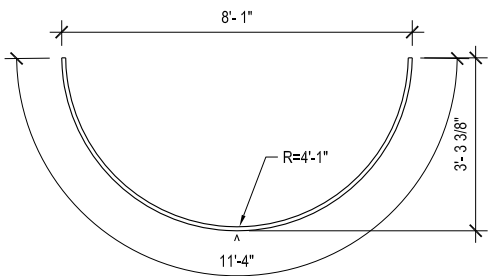
**PRODUCTION NOTES**  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



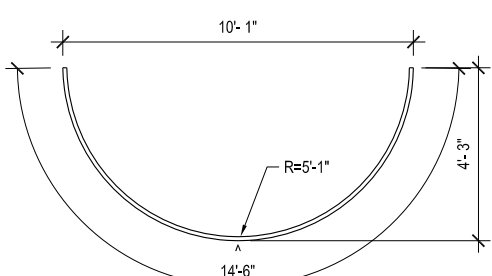
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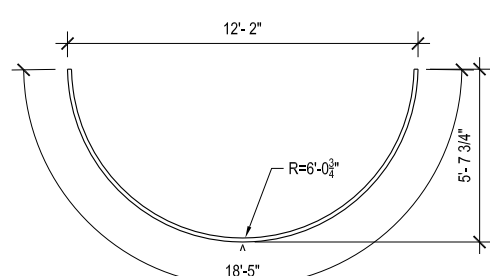
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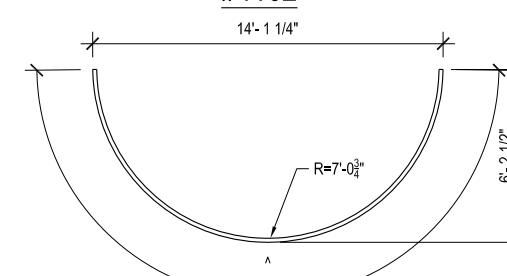
**#4164**



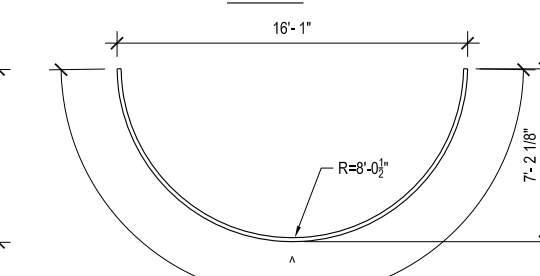
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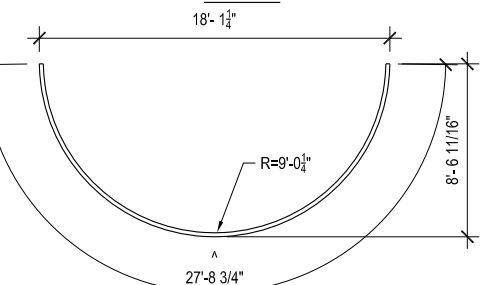
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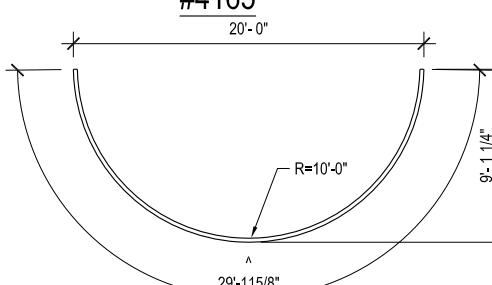
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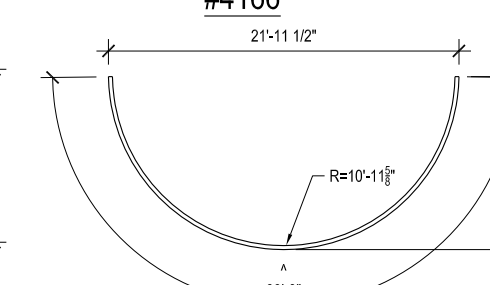
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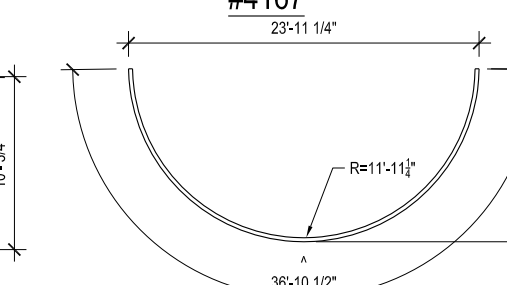
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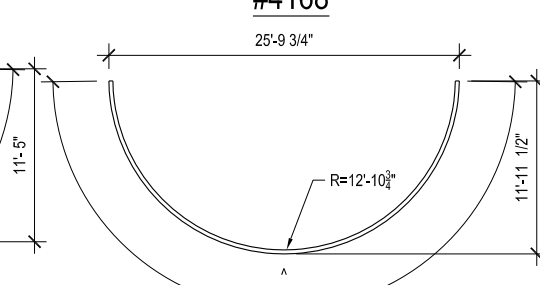
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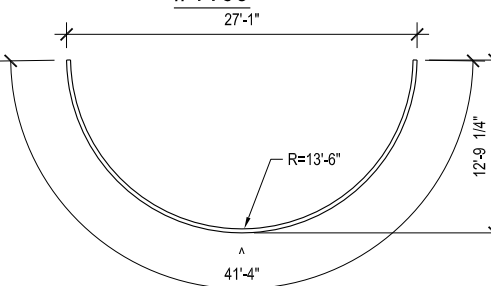
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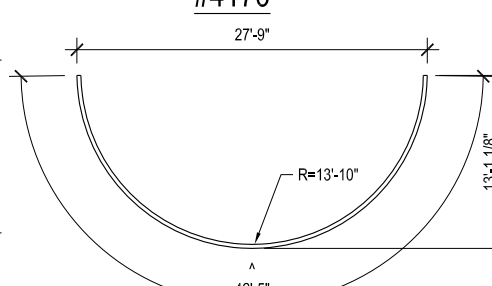
**#4172**



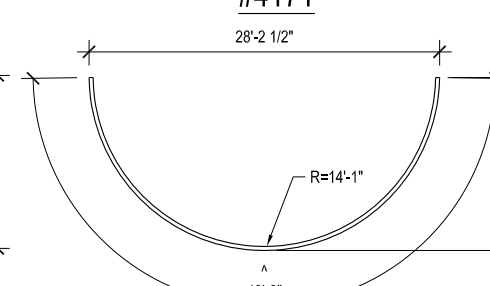
**#4173**



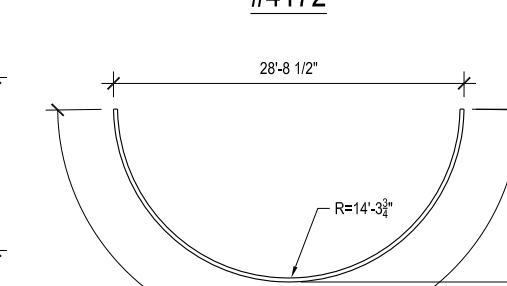
**#4174**



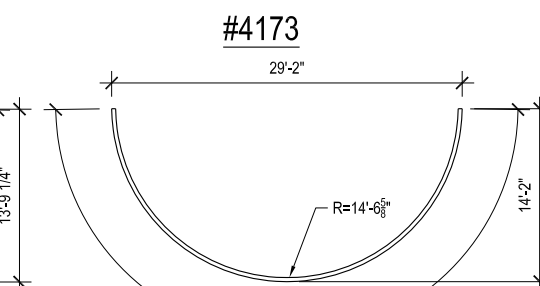
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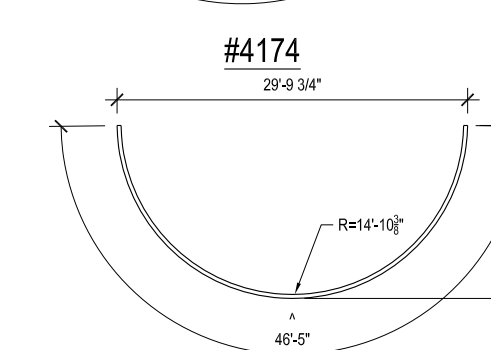
**#4176**



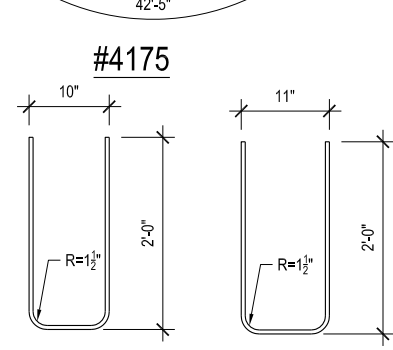
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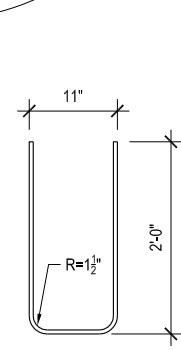
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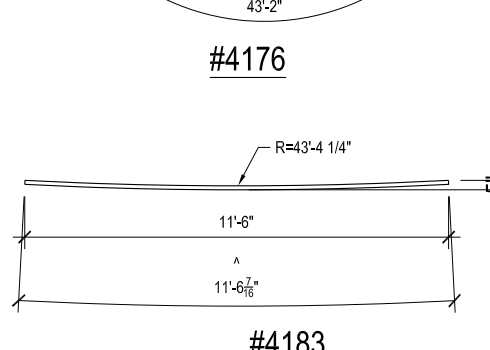
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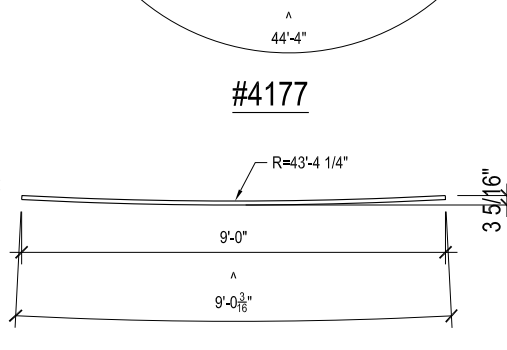
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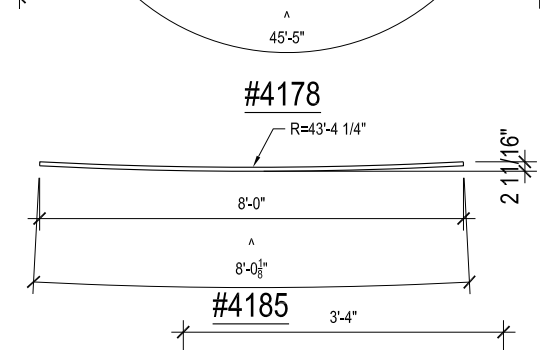
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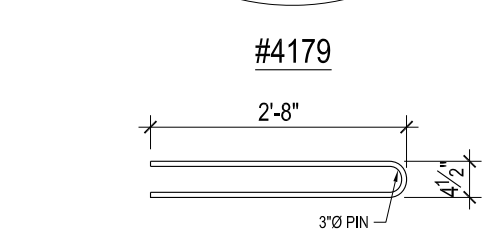
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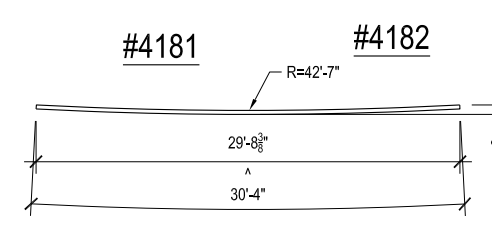
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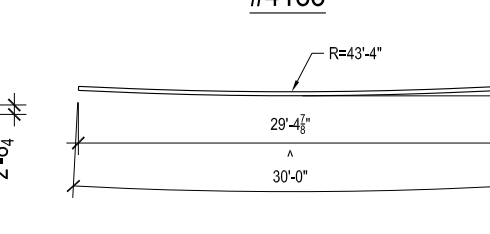
**#4185**



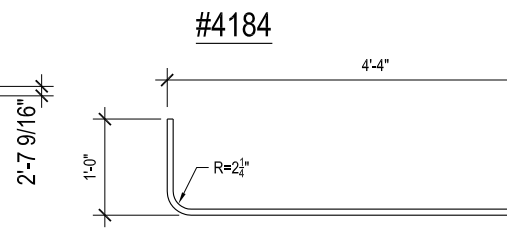
**#5042**



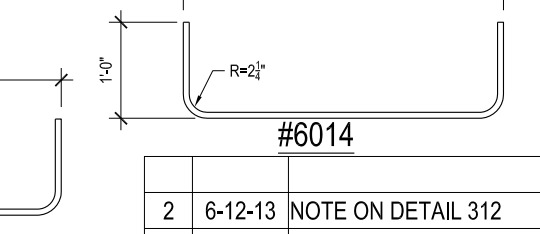
**#6011**



**#6012**



**#6013**



**#6014**

**SEE SHEET 1 OF 5 FOR HARDWARE**  
**SEE SHEET 1 OF 5 FOR FINISHES**  
**SEE SHEET 4 OF 5 FOR FORM VIEW**  
**SEE SHEET 5 OF 5 FOR REINFORCING**

**REVISED**  
 4:21 pm, Jun 12, 2013

- 1. UNIT Wt. OF CONCRETE = 150 pcf
- 2. RELEASE CONCRETE STRENGTH = 3500 PSI
- 3. 28 DAY CONCRETE STRENGTH = 5000 PSI
- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL- ASTM A185



**SHEET 3 OF 5**

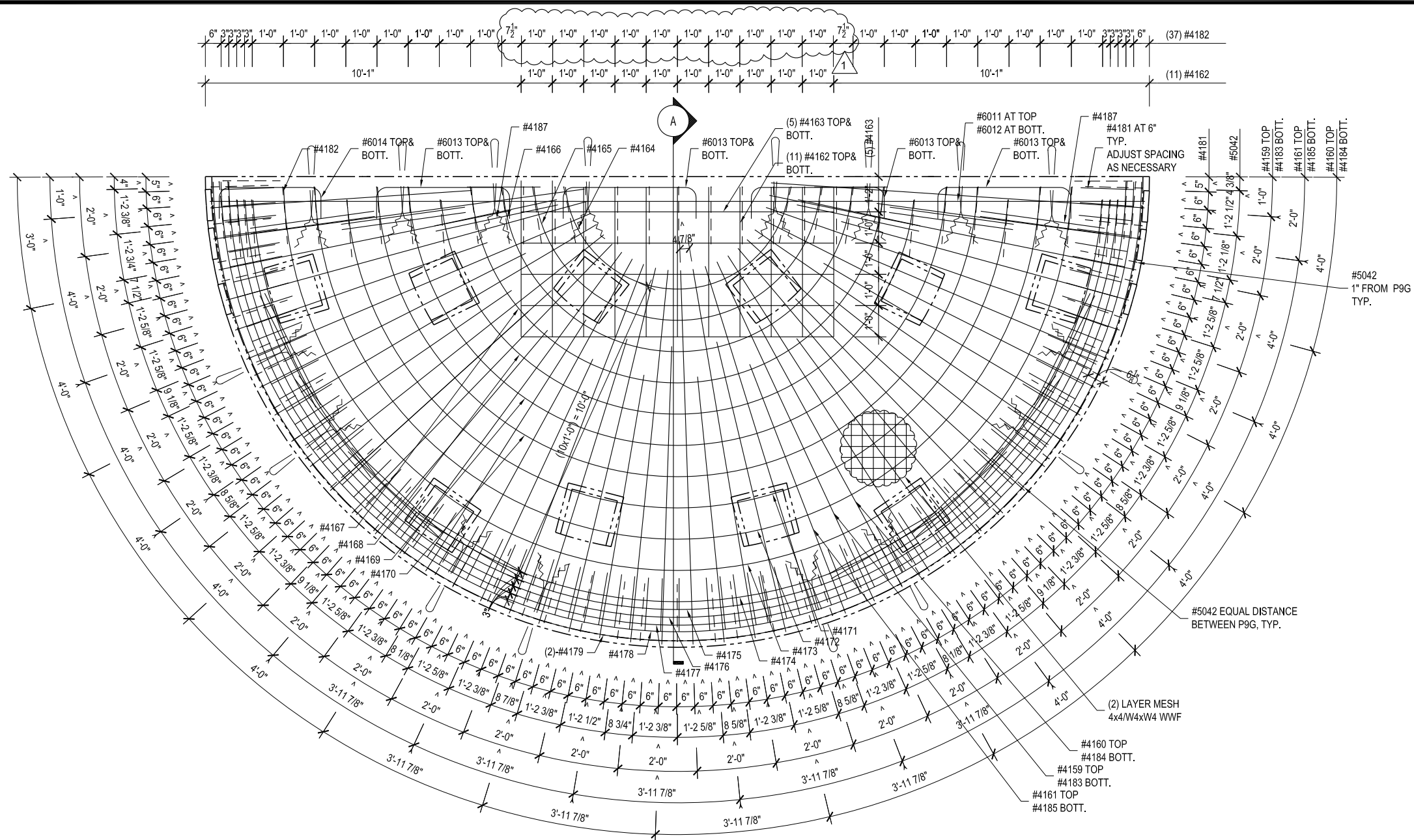
DRWN: JSF	CU. YD.
DATE: 5-16-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-16-13	JOB #: 13049
QUANTITY	PIECE MARK
	<b>PK-01 r2</b>

NO.	DATE:	DESCRIPTION
2	6-12-13	NOTE ON DETAIL 312
REVISIONS		

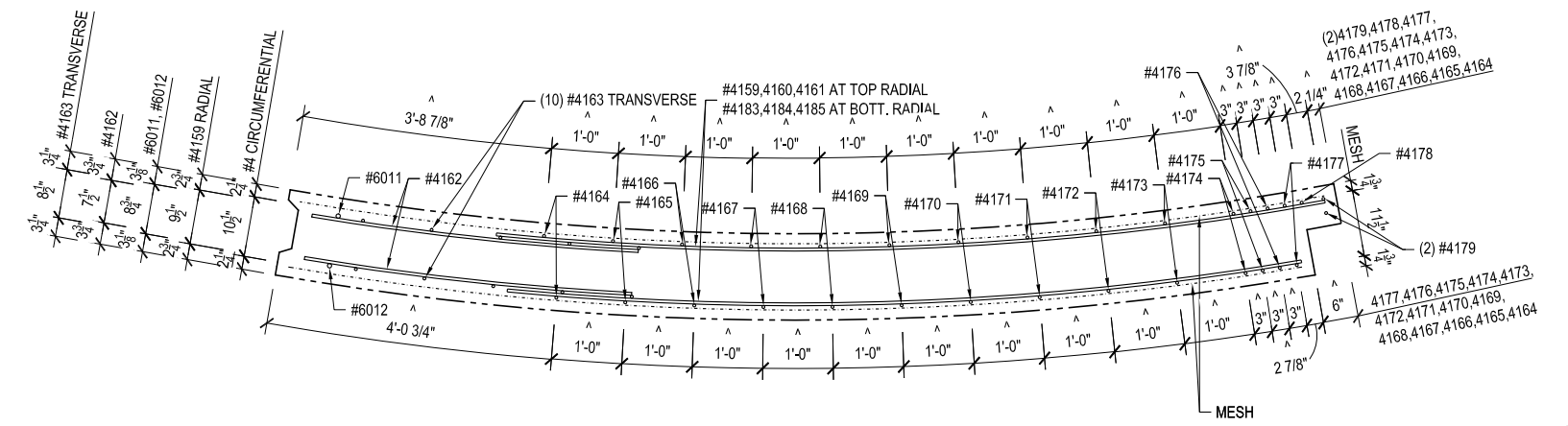




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**FORM VIEW (REINFORCING)**



**SECTION "A" (REINFORCING)**

PRODUCTION NOTES  
 1. REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED  
 2. W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES  
 3. DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

SEE SHEET 1 OF 5 FOR HARDWARE  
 SEE SHEET 1 OF 5 FOR FINISHES  
 SEE SHEET 2 & 3 OF 5 FOR DETAILS  
 SEE SHEET 4 OF 5 FOR FORM VIEW

**REINFORCEMENT**

ITEM	QTY.	DESCRIPTION	TOTALS
MESH	2 L YR	4x4W4xW4 WWF	
#5042	45	#5 BENT BAR	226'-11" LF
#6011	1	#6 BENT BAR	29'-8" LF
#6012	1	#6 BENT BAR	29'-5" LF
#6013	8	#6 BENT BAR	42'-8" LF
#6014	2	#6 BENT BAR	8'-8" LF
#4159	23	#4 BENT BAR	287'-6" LF
#4160	11	#4 BENT BAR	104'-8" LF
#4161	12	#4 BENT BAR	102'-3" LF
#4162	22	#4 BENT BAR	97'-3" LF
#4163	10	#4 BENT BAR	120'-0" LF
#4164	2	#4 BENT BAR	22'-8" LF
#4165	2	#4 BENT BAR	29'-0" LF
#4166	2	#4 BENT BAR	37'-0" LF
#4167	2	#4 BENT BAR	41'-6" LF
#4168	2	#4 BENT BAR	47'-8" LF
#4169	2	#4 BENT BAR	55'-6" LF
#4170	2	#4 BENT BAR	60'-0" LF
#4171	2	#4 BENT BAR	66'-0" LF
#4172	2	#4 BENT BAR	73'-9" LF
#4173	2	#4 BENT BAR	78'-2" LF
#4174	2	#4 BENT BAR	82'-8" LF
#4175	2	#4 BENT BAR	84'-10" LF
#4176	2	#4 BENT BAR	86'-4" LF
#4177	2	#4 BENT BAR	88'-8" LF
#4178	2	#4 BENT BAR	90'-10" LF
#4179	2	#4 BENT BAR	92'-10" LF
#4181	91	#4 BENT BAR	440'-0" LF
#4182	37	#4 BENT BAR	113'-2" LF
#4183	23	#4 BENT BAR	265'-6" LF
#4184	11	#4 BENT BAR	99'-3" LF
#4185	12	#4 BENT BAR	96'-2" LF
#4186	30	#4 BENT BAR	96'-2" LF
#4187	32	#4 BENT BAR	192'-0" LF
#4188	2	#4 BENT BAR	5'-2" LF

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- 4. REINFORCING STEEL-ASTM A615 GRADE 60
- 5. WWF STEEL-ASTM A185

**REVISED**  
 4:21 pm, Jun 12, 2013

SHEET 5 OF 5

NO.	DATE:	DESCRIPTION
2	6-12-13	FORM ORIENTATION
1	5-30-13	DIMS
REVISIONS		

DRWN: JSF	CU. YD.
DATE: 5-16-13	WEIGHT:
CHKR: NPR	SQ. FT.:
DATE: 5-16-13	JOB #: 13049
QUANTITY	PIECE MARK
<b>PK-01 r2</b>	