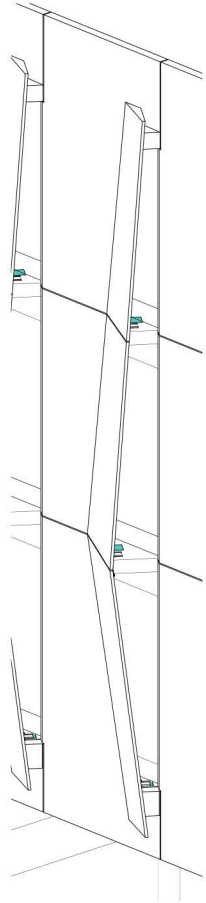
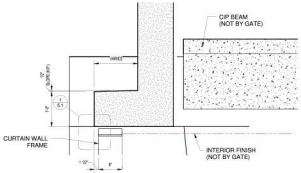
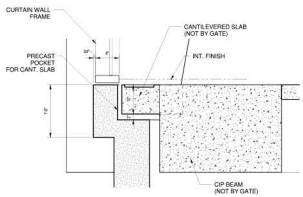
WINDOW COORDINATION DRAWINGS



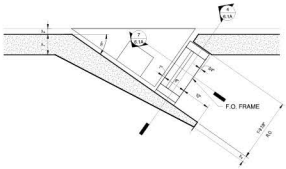
5 Lightwell Type A



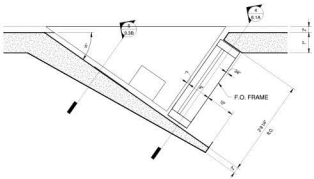
7 Detail @ Head
1" = 1'-0"



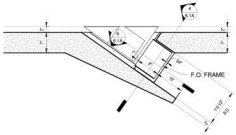
6 Detail @ Sill
1" = 1'-0"



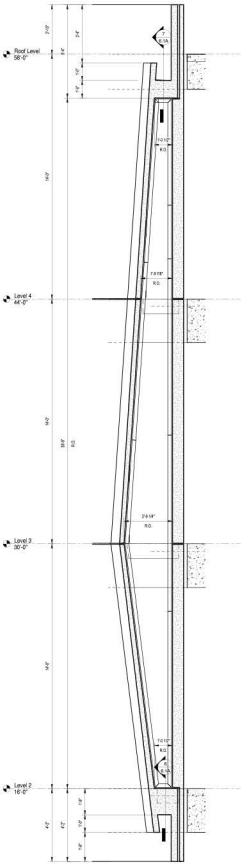
2 Plan Detail
1" = 1'-0"



1 Plan Detail
1" = 1'-0"



3 Plan Detail
1" = 1'-0"



4 Lightwell A Section
1/2" = 1'-0"

NOTES

1. ALL EMBEDMENT WILL BE MEASURED FROM CENTERLINE OF EMBED UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS ARE FAR SIDE UNLESS OTHERWISE NOTED.

Rev. #	Description	Date
	For Construction	6-1-2015
	Submittal 2 - For Approval	01/14/2015

Revision Schedule

Key

- Precast Mark #
- Section #
- Sheet #
- Detail #
- Ref. Sheet #
- Direction Mark
- Grabine
- Denotes Gravity/Bearing Connection — Crews must be complete prior to panel release from crane.
- Denotes Panel-to-Panel Connection — Crews must be complete prior to panel release from crane.
- Denotes Lateral Tieback Connection — Crews must be complete prior to panel release from crane.
- Denotes Panel-to-Panel Connection — Crews can be completed after panel releases from crane and MUST be completed within 6 weeks of panel erection. **Crews MUST be made prior to approaching facilitants.**
- Denotes Lateral Tieback Connection — Crews can be completed after panel releases from crane and MUST be completed within 6 weeks of panel erection. **Crews MUST be made prior to approaching facilitants.**

SHEET TITLE:
WINDOW PANEL DETAILS TYPE-A

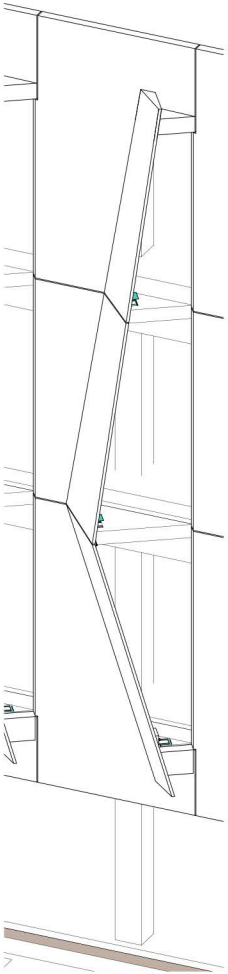
SCALE: AS NOTED

JOB#: 14248

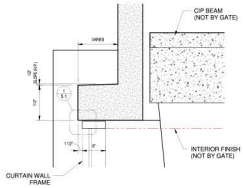
SHEET#: 6.1A

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

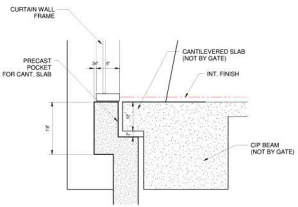
WINDOW COORDINATION DRAWINGS



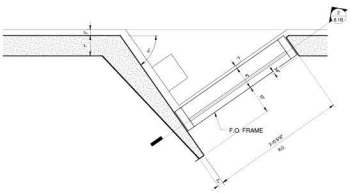
Lightwell Type B



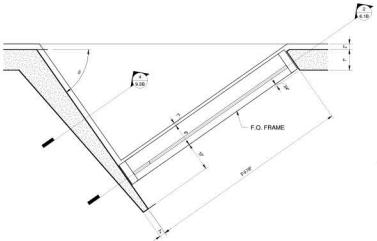
7 Detail @ Head
1" = 1'-0"



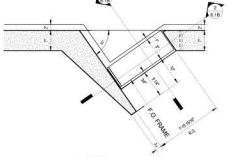
5 Detail @ Sill
1" = 1'-0"



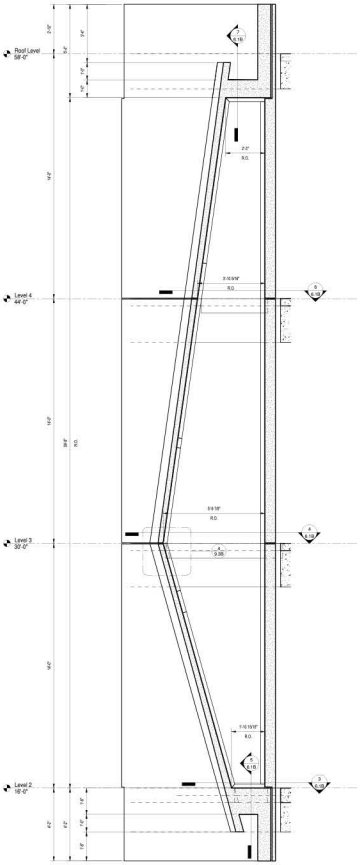
6 Plan Detail
1" = 1'-0"



4 Plan Detail
1" = 1'-0"



3 Plan Detail
1" = 1'-0"



2 Lightwell B Section
1/2" = 1'-0"

NOTES

1. ALL EMBEDMENT WILL BE MEASURED FROM CENTERLINE OF EMBED UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS ARE FAR SIDE UNLESS OTHERWISE NOTED.

Rev. #	Description	Date
	For Construction	6-1-2015
	Submittal 2 - For Approval	01/14/2015

Revision Schedule

Key

- Precast Mark #
- Section #
- Sheet #
- Detail #
- Sheet #
- Detail #
- Ref. Sheet #
- Direction Mark
- Grabine
- Denotes Gravity/Bearing Connection — Cones must be complete prior to panel release from crane.
- Denotes Panel-to-Panel Connection — Cones must be complete prior to panel release from crane.
- Denotes Lateral Tieback Connection — Cones must be complete prior to panel release from crane.
- Denotes Panel-to-Panel Connection — Cones can be completed after panel releases from crane and MUST be completed within 6 weeks of panel erection. **Cones MUST be made prior to approaching facilitants.**
- Denotes Lateral Tieback Connection — Cones can be completed after panel releases from crane and MUST be completed within 6 weeks of panel erection. **Cones MUST be made prior to approaching facilitants.**

SHEET TITLE:
WINDOW PANEL DETAILS TYPE-B

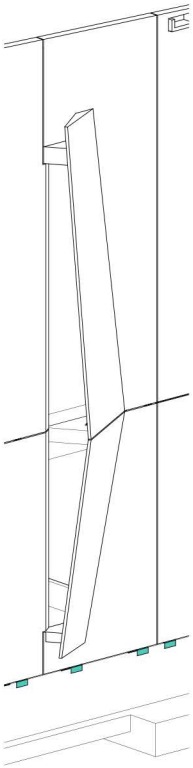
SCALE: AS NOTED

JOB#: 14248

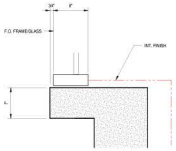
SHEET#: 6.1B

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

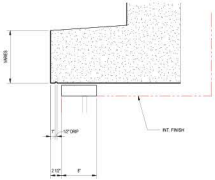
WINDOW COORDINATION DRAWINGS



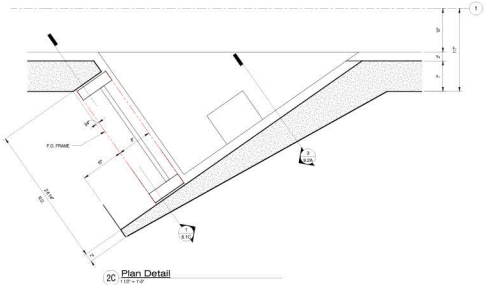
Lightwell Type C



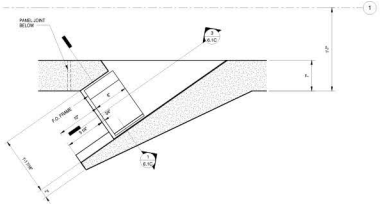
Detail @ Sill
1 1/2" = 1'-0"



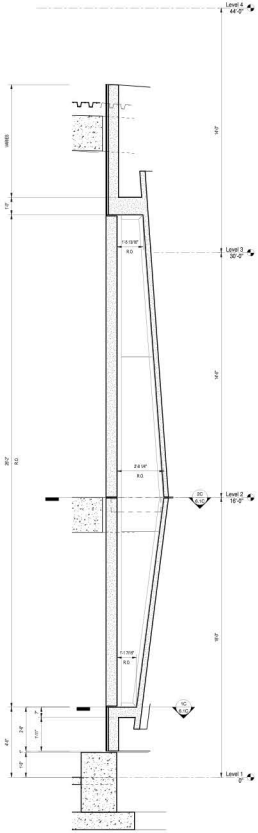
Detail @ Head
1 1/2" = 1'-0"



2C Plan Detail
1 1/2" = 1'-0"



1C Plan Detail
1 1/2" = 1'-0"



1 Lightwell Section
1/2" = 1'-0"

NOTES

1. ALL EMBEDMENT WILL BE MEASURED FROM CENTERLINE OF EMBED UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS ARE FAR SIDE UNLESS OTHERWISE NOTED.

Rev. #	Description	Date
	For Construction	6-1-2015
	Submittal 1 - For Approval	11/18/2014

Revision Schedule

Key

Precast Mark #

Section #
Sheet #

Detail #
Sheet #

Detail #
Ref. Sheet #

Direction Mark

Grabiw

Denotes Gravity/Bearing Connection
Crews must be complete prior to panel release from crane.

Denotes Panel-to-Panel Connection
Crews must be complete prior to panel release from crane.

Denotes Lateral Tieback Connection
Crews must be complete prior to panel release from crane.

Denotes Panel-to-Panel Connection
Crews can be completed after panel releases from crane and MUST be completed within 6 weeks of panel erection.
Crews MUST be made prior to approaching facilitate.

Denotes Lateral Tieback Connection
Crews can be completed after panel releases from crane and MUST be completed within 6 weeks of panel erection.
Crews MUST be made prior to approaching facilitate.

SHEET TITLE:
WINDOW PANEL DETAILS TYPE C

SCALE: AS NOTED

JOB#: 14248

SHEET#: 6.1C

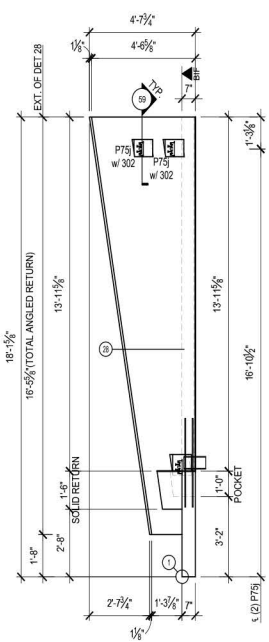
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR FUTURE OR ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

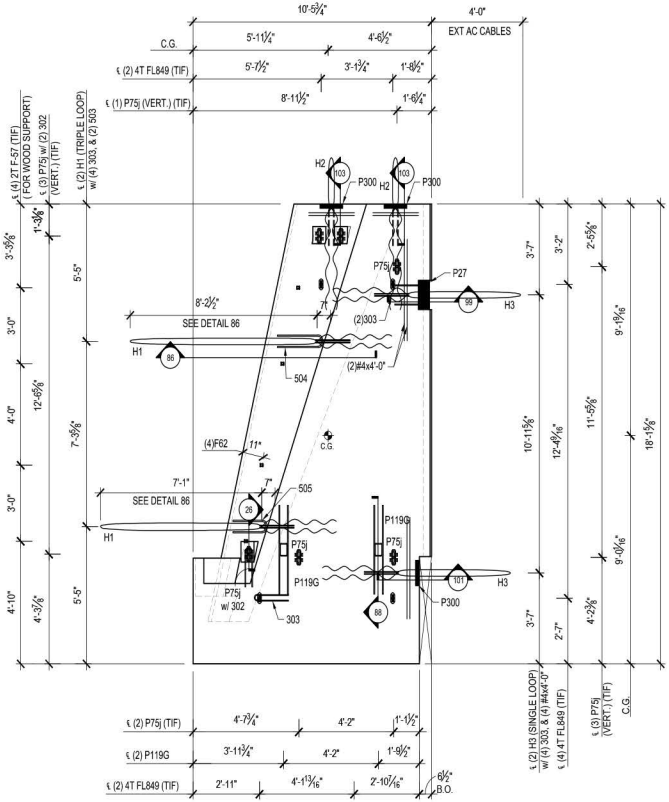
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

SEE SHEET 2 OF 3
FOR DETAILS, TOP & SECTIONS

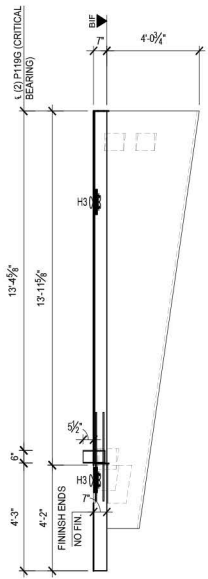
PLEASE SEE SHEET 3 OF 3
FOR REINFORCING



LEFT SIDE VIEW
(HARDWARE)



FORM VIEW (HARDWARE)



RIGHT SIDE VIEW
(HARDWARE)

HARDWARE

ITEM	QTY.	DESCRIPTION
P75j	6	PSA 6035 ADJUSTABLE INSERT (J-FINISH)
P119G	2	HSS 6"x6"x3/8"x0'-11 1/2" w/ (4) #7x3'-7" A706 BARS (1) #7x3'-0" A706 BAR (1) L1"x1"x1/4"x0'-10" & (1) PL 1"x4"x0'-6 1/2" & (1) PL 3/8"x 5 1/2" x 5 1/2"
P300	3	L 2x2x1/4"x1'-0" w/ (2) 3/8" DIA.x3" H.A.S
P27	1	L 5x3x3/8"x1'-2" w/ (2) 1/2" DIA.x3" H.A.S & (2) #4 x 1'-6"
F-62	4	F-62 FLARED THIN SLAB FERRULE INSERT 1"Ø x 2¼"
4T FL849	4	4T x 4" LONG P-94 FLEET LIFT T-ANCHOR
H1	2	3/8"Ø AIRCRAFT CABLE (24'-0" each) w/(2) 303 (DOUBLE LOOP)
H2	2	3/8"Ø AIRCRAFT CABLE (18'-0" each) w/(2) 303 (DOUBLE LOOP)
H3	2	3/8"Ø AIRCRAFT CABLE (20'-0") w/(2) 303 (SINGLE LOOP)

APPROVED
By Kate Akulova at 11:30 am, Jul 22, 2015

COLOR/FINISH

1	FINISH #1 GPK# 2971K POLISHED
2	FINISH #3 GPK# 2971K SB-L

TOP IN FORM FINISH

FL	FLOAT FINISH - GRAY

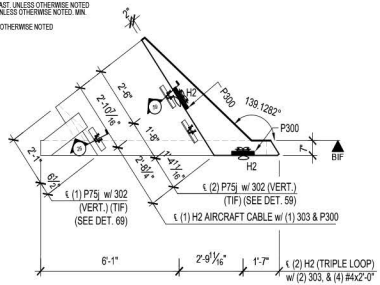
1.UNIT WT. OF CONCRETE =150 pcf
2.RELEASE CONCRETE STRENGTH = 3000 PSI
3.28 DAY CONCRETE STRENGTH = 5000 PSI
4.REINFORCING STEEL-ASTM A615 GRADE 60
5.WWF STEEL- ASTM A185

NO.	DATE:	DESCRIPTION
		REVISIONS

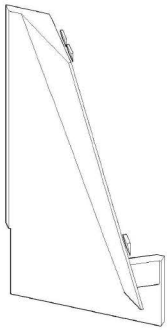
DRWN: KU	CU. YD. 3.97
DATE: 07/22/15	WEIGHT: 16,066#
CHKR: CRR	SQ. FT.: 170
DATE: 7-22-15	JOB #: 14248
QUANTITY	PIECE MARK
1	P162

PRODUCTION NOTES
1.REINFORCING MELT. 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

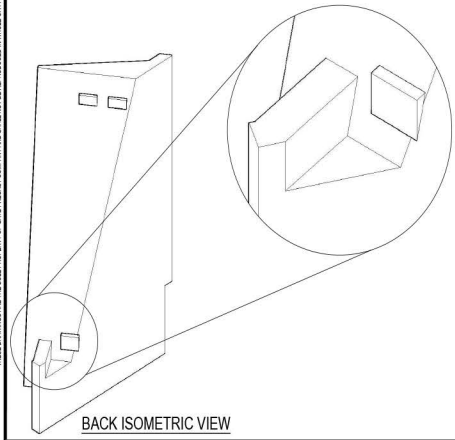
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY



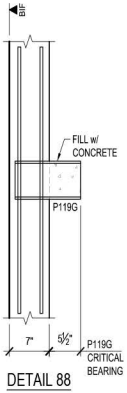
TOP VIEW (HARDWARE)



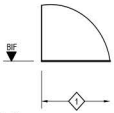
FRONT ISOMETRIC VIEW



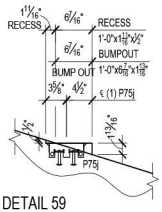
BACK ISOMETRIC VIEW



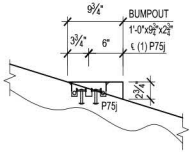
DETAIL 88



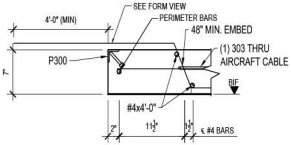
DETAIL 1



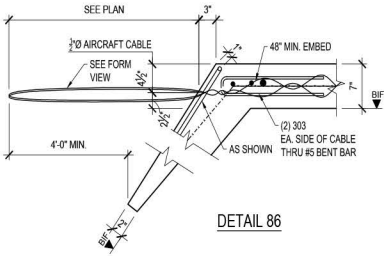
DETAIL 59



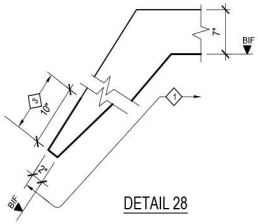
DETAIL 26



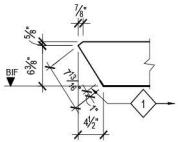
DETAIL 101



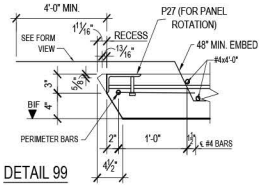
DETAIL 86



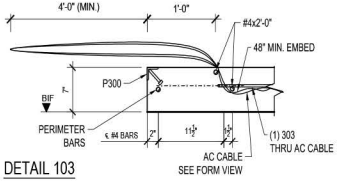
DETAIL 28



DETAIL 13



DETAIL 99



DETAIL 103

PLEASE SEE SHEET 4 OF 4
FOR REINFORCING

PLEASE SEE SHEET 1 OF 4
FOR HARDWARE

APPROVED
By Kate Akulova at 11:30 am, Jul 22, 2015

PLEASE SEE SHEET 1 OF 4
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

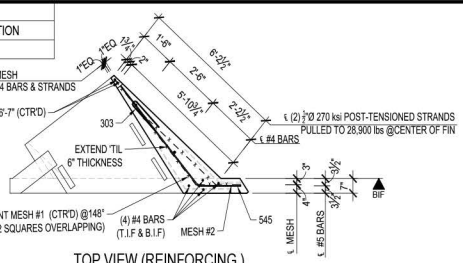
NO.	DATE:	DESCRIPTION

REVISIONS

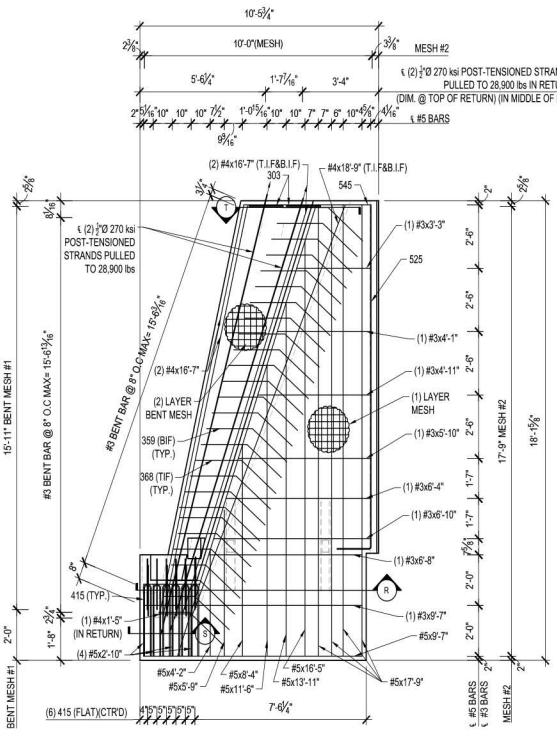
DRWN: KU	CU. YD.
DATE: 07/22/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P162

NO.	DATE:	DESCRIPTION
		REVISIONS

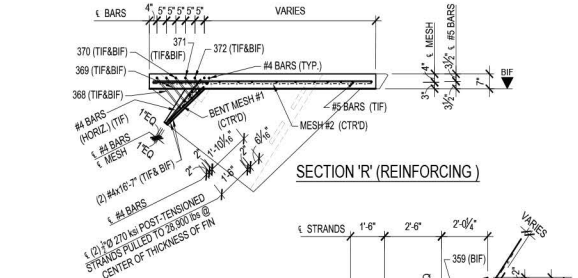
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



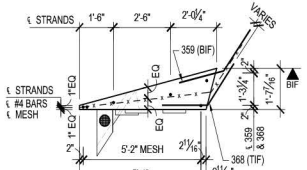
TOP VIEW (REINFORCING)



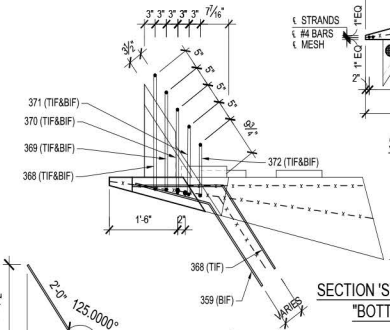
FORM VIEW (REINFORCING)



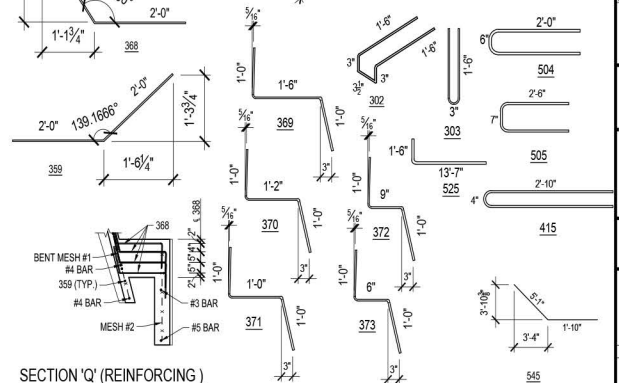
SECTION 'R' (REINFORCING)



SECTION 'T' (REINFORCING)
"TOP OF FIN"



SECTION 'S' (REINFORCING)
"BOTTOM OF FIN"



SECTION 'Q' (REINFORCING)

REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
302	1	#3 BENT BAR	3'-9 3/4" LF
303	12	#3 BENT BAR	39'-0" LF
359	27	#3 BENT BAR	108'-0" LF
368	27	#3 BENT BAR	108'-0" LF
369	4	#3 BENT BAR	14'-0" LF
370	4	#3 BENT BAR	12'-8" LF
371	4	#3 BENT BAR	12'-0" LF
372	4	#3 BENT BAR	11'-0" LF
373	4	#3 BENT BAR	10'-0" LF
415	6	#4 BENT BAR	36'-0" LF
504	1	#5 BENT BAR	4'-6" LF
505	1	#5 BENT BAR	5'-7" LF
525	1	#5 BENT BAR	15'-1" LF
545	1	#5 BENT BAR	6'-11" LF
	1	#3x3'-3"	3'-3" LF
	1	#3x4'-1"	4'-1" LF
	1	#3x4'-11"	4'-11" LF
	1	#3x5'-10"	5'-10" LF
	1	#3x6'-4"	6'-4" LF
	1	#3x6'-9"	6'-9" LF
	1	#3x6'-10"	6'-10" LF
	1	#3x9'-7"	9'-7" LF
	1	#4x1'-5"	1'-5" LF
	4	#4x2'-0"	8'-0" LF
	4	#4x4'-0"	16'-0" LF
	4	#4x16'-7"	66'-4" LF
	2	#4x18'-9"	37'-6" LF
	4	#5x2'-10"	11'-4" LF
	1	#5x4'-2"	4'-2" LF
	1	#5x5'-9"	5'-9" LF
	1	#5x8'-4"	8'-4" LF
	1	#5x11'-6"	11'-6" LF
	1	#5x13'-11"	13'-11" LF
	1	#5x16'-5"	16'-5" LF
	4	#5x17'-9"	71'-0" LF
	2	1/2"Ø 270 ksi POST-TENSIONED STRANDS PULLED TO 28,900 lbs	

MESH #2	1 LYR	6X6/W4.0xW4.0 WWF 10'-0" x 17'-9"	92 SF
BENT MESH #1	2 LYR	6X6/W4.0xW4.0 WWF 5'-2" x 15'-11"	20 SF

APPROVED
By Kate Akulova at 11:30 am, Jul 22, 2015

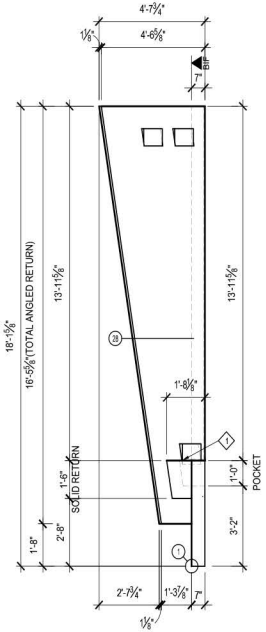
FIU ACADEMIC CENTER
MIAMI, FL
SHEET 4 OF 4

DRWN: KU	CU. YD.
DATE: 07/22/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P162

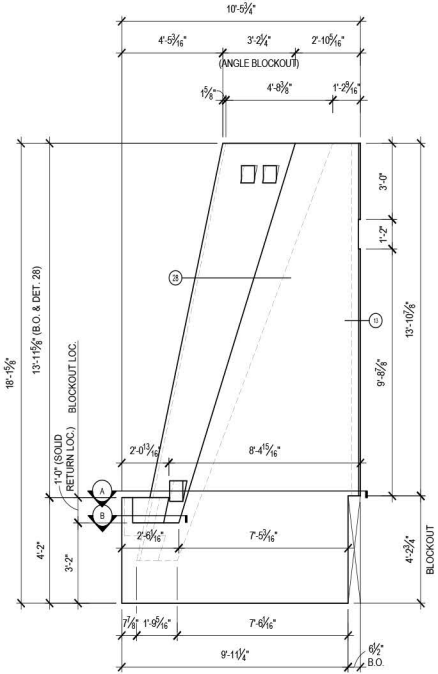
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

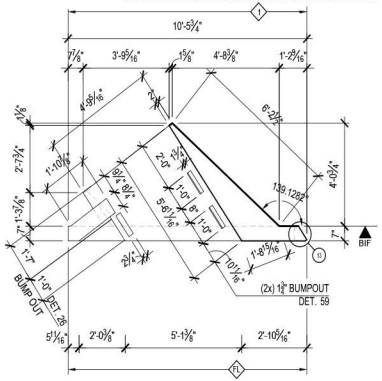
PRODUCTION NOTES
1.REINFORCING WIRE TIE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



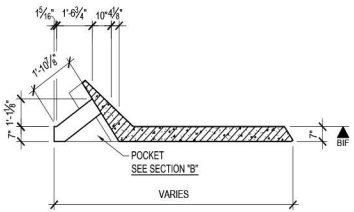
LEFT SIDE VIEW (MOLD)



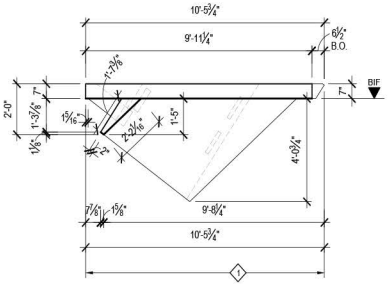
FORM VIEW (MOLD)



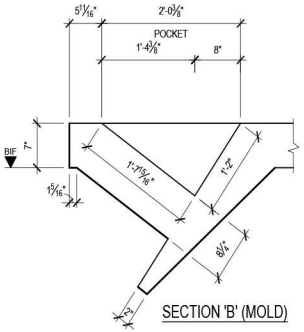
TOP VIEW (MOLD)



SECTION 'A' (MOLD)



BOTTOM VIEW (MOLD)



SECTION 'B' (MOLD)

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

APPROVED
By Kate Akulova at 11:30 am, Jul 22, 2015

PLEASE SEE SHEET 1 OF 4 FOR FINISHES

NO.	DATE:	DESCRIPTION

REVISIONS

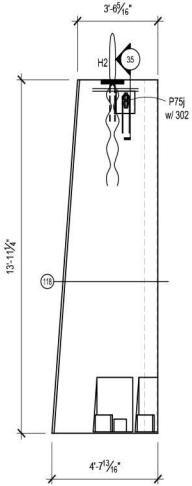
1.UNIT WT. OF CONCRETE =150 pcf
2.RELEASE CONCRETE STRENGTH = 3500 PSI
3.28 DAY CONCRETE STRENGTH = 5000 PSI
4.REINFORCING STEEL-ASTM A615 GRADE 60
5.WWF STEEL- ASTM A185

DRWN: KU	CU. YD.
DATE: 07/22/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P162

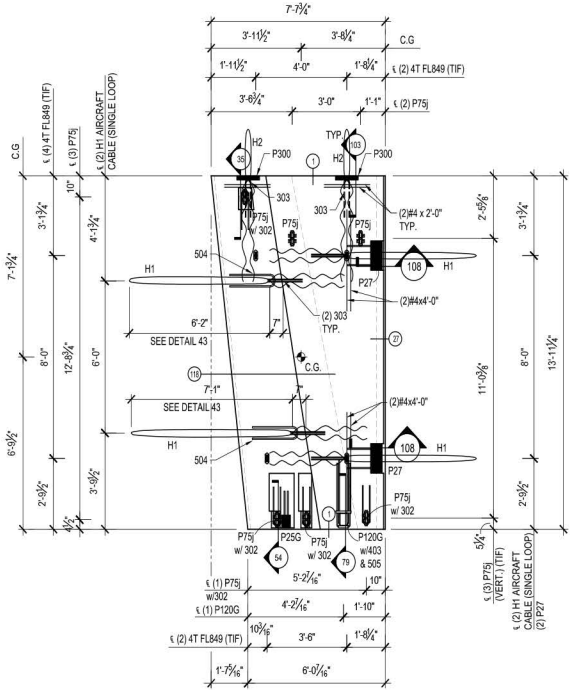
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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

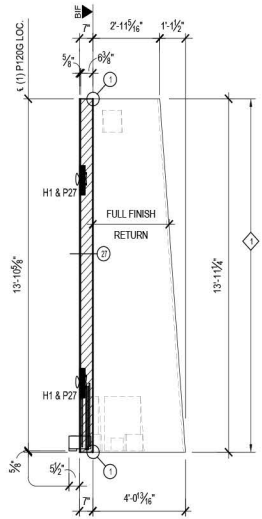
PLEASE SEE SHEET 4 OF 4 FOR REINFORCING



LEFT SIDE VIEW (HARDWARE)



FORM VIEW (HARDWARE)



RIGHT SIDE VIEW (HARDWARE)

HARDWARE

ITEM	QTY.	DESCRIPTION
P25G	1	L 6x4x3/8"x0'-8" w/(2) 1/2"dia x 4" H.C.A. & (2) #4x1'-5"
P27	2	L 5x3x3/8"x1'-2" w/ (2) 1/2" DIA.x3" H.A.S & (2) #4 x 1'-6"
P75j	6	PSA 6035 ADJUSTABLE INSERT (J-FINISH)
P120G	1	HSS 6"x4"x1/4"x0'-11 1/2" w/ (4) #4 A706x2'-6" BARS (1) L1"x1"x1/4"x0'-8" (1) PL 1"x4"x5"
P300	2	L 2x2x1/4"x1'-0" w/ (2) 3/8" DIA.x3" H.A.S
4T FL849	4	4Tx 4 3/4" LONG P-94 FLEET LIFT T-ANCHOR
H1	4	3/4"Ø AIRCRAFT CABLE (24'-0" each) w/(2) 303 (SINGLE LOOP)
H2	2	3/4"Ø AIRCRAFT CABLE (18'-0" each) w/(2) 303 (SINGLE LOOP)

COLOR/FINISH

1	FINISH #1 GPK#2971K POLISHED
2	FINISH #2 GPK#2971K FORM

TOP IN FORM FINISH

1	FLOAT FINISH - GRAY
2	GPK#2971K SB-L

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

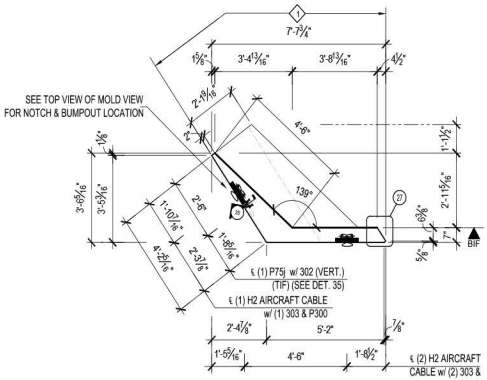
REVISED
4:56 pm, Sep 10, 2015

SEE SHEET 2 & 3 FOR SECTIONS, DETAILS & FORM WORK

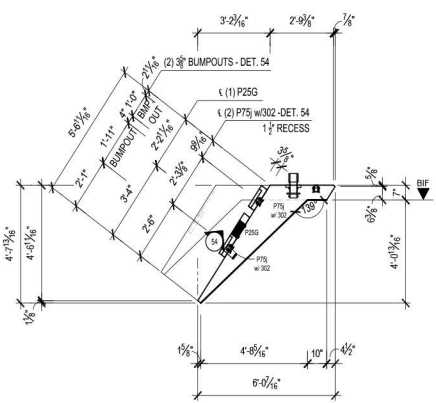
NO.	DATE:	DESCRIPTION
		REVISIONS

DRWN: SF	CU. YD. 3.07
DATE: 07/14/15	WEIGHT: 12,450
CHKR: CRR	SQ. FT.: 120
DATE: 7-29-15	JOB #: 14248
QUANTITY	PIECE MARK
1	P163r1

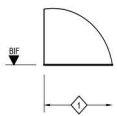
PRODUCTION NOTES:
1.REINFORCING WIRE TIES TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED
2.WWF - IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



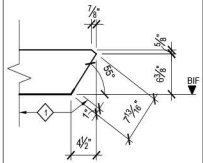
TOP VIEW (HARDWARE)



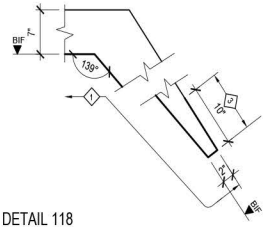
BOTTOM VIEW (HARDWARE)



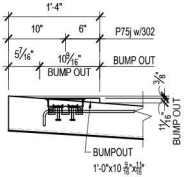
DETAIL 1



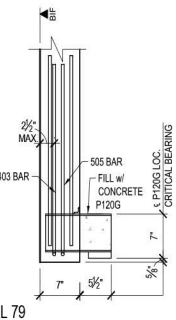
DETAIL 27



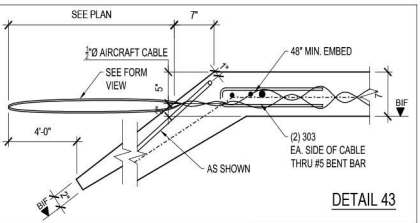
DETAIL 118



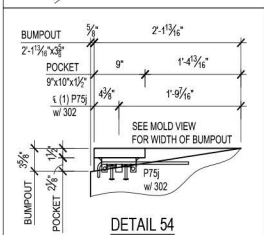
DETAIL 35



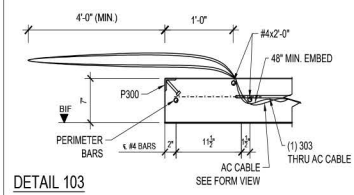
DETAIL 79



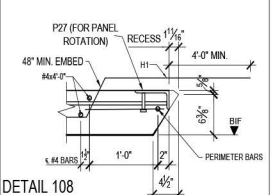
DETAIL 43



DETAIL 54



DETAIL 103



DETAIL 108

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

REVISED
4:56 pm, Sep 10, 2015

PLEASE SEE SHEET 1 OF 4 FOR FINISHES

NO.	DATE:	DESCRIPTION

REVISIONS

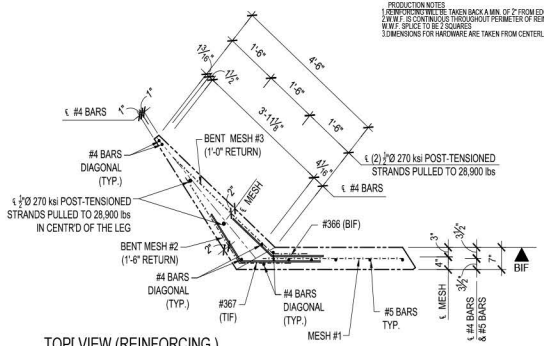
1.UNIT WI. OF CONCRETE =150 pcf
2.RELEASE CONCRETE STRENGTH = 3500 PSI
3.28 DAY CONCRETE STRENGTH = 5000 PSI
4.REINFORCING STEEL-ASTM A615 GRADE 60
5.WWF STEEL- ASTM A185

DRWN: SF	CU. YD.
DATE: 07/14/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P163r1

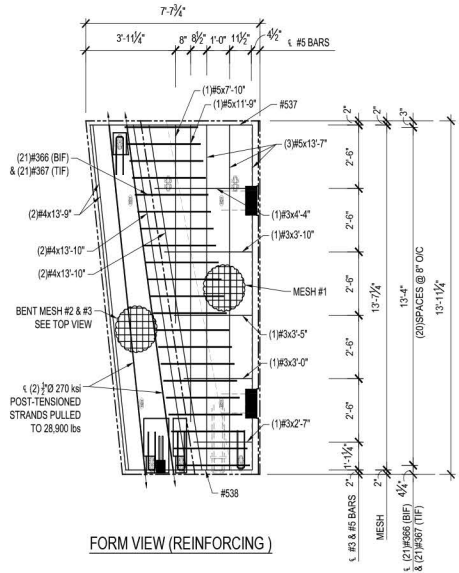
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR USE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

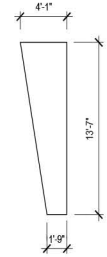
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



TOP[VIEW (REINFORCING)



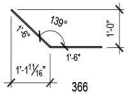
FORM VIEW (REINFORCING)



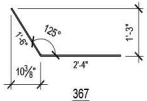
MESH #1 (REINFORCING)

MESH #2

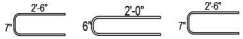
MESH #3



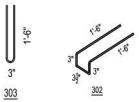
366



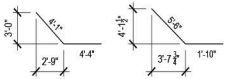
367



403 504 505



303 302



537 538

REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
302	4	#3 BENT BAR	15'-2" LF
303	10	#3 BENT BAR	32'-6" LF
366	21	#3 BENT BAR	63'-0" LF
367	21	#3 BENT BAR	80'-6" LF
403	1	#4 BENT BAR	5'-7" LF
504	2	#5 BENT BAR	9'-0" LF
505	1	#5 BENT BAR	5'-7" LF
537	1	#5 BENT BAR	8'-5" LF
538	1	#5 BENT BAR	7'-4" LF
	1	#3x2'-7"	2'-7" LF
	1	#3x3'-0"	3'-0" LF
	1	#3x3'-5"	3'-5" LF
	1	#3x3'-10"	3'-10" LF
	1	#3x4'-4"	4'-4" LF
	4	#4x2'-0"	8'-0" LF
	4	#4x4'-0"	16'-0" LF
	2	#4x13'-9"	27'-6" LF
	4	#4x13'-10"	55'-4 LF
	1	#5x7'-10"	7-10" LF
	1	#5x11'-9"	11-9" LF
	3	#5x13'-7"	40'-9" LF
MESH #1	1 LYR.	6x6/W4.0xW4.0 WWF 4'-1" x 13'-7" (CUT)	40 SF
MESH #2	1 LYR.	6Xx6/W4.0xW4.0 WWF 4'-3" (BENT) x 13'-7"	58 SF
MESH #3	1 LYR.	6X6/W4.0xW4.0 WWF 4'-10" (BENT) x 13'-7"	65 SF

REVISED
4:56 pm, Sep 10, 2015

PLEASE SEE SHEET 1 OF 4
FOR FINISHES

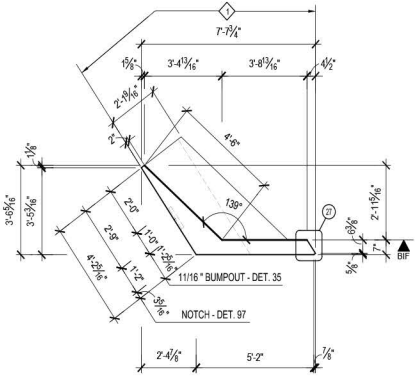
1.UNIT WT. OF CONCRETE =150 pcf
2.RELEASE CONCRETE STRENGTH = 3500 PSI
3.28 DAY CONCRETE STRENGTH = 5000 PSI
4.REINFORCING STEEL-ASTM A615 GRADE 60
5.WWF STEEL- ASTM A185

NO.	DATE:	DESCRIPTION
		REVISIONS

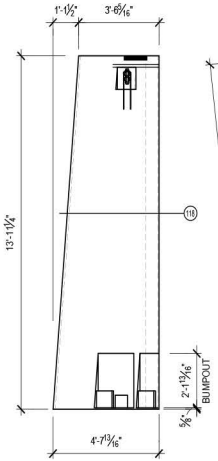
DRWN: SF	CU. YD.
DATE: 7/14/15	WEIGHT:
CHKR: ----	SQ. FT.:
DATE: ----	JOB #: 14248
QUANTITY	PIECE MARK
1	P163r1

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 OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

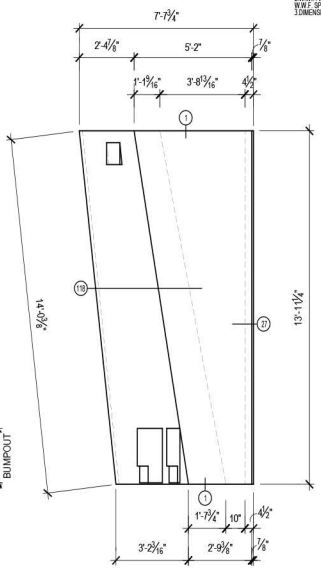
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



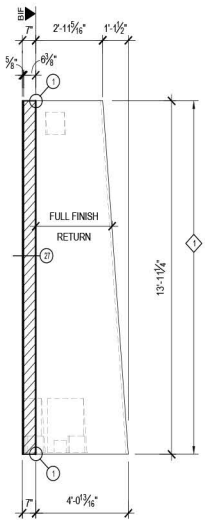
TOP VIEW (MOLD)



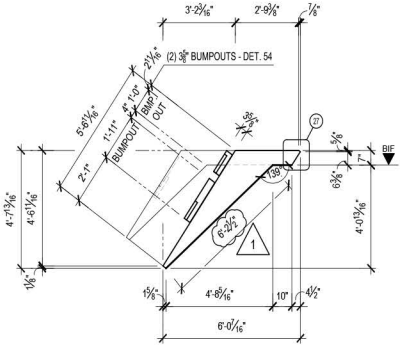
LEFT SIDE VIEW (MOLD)



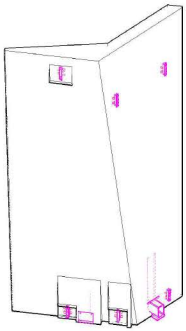
FORM VIEW (MOLD)



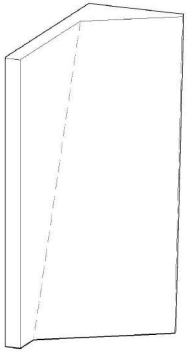
RIGHT SIDE VIEW (MOLD)



BOTTOM VIEW (MOLD)



ISOMETRIC REAR VIEW



ISOMETRIC FACE VIEW

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

REVISED
4:56 pm, Sep 10, 2015

PLEASE SEE SHEET 1 OF 4 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

NO.	DATE:	DESCRIPTION
1	9-10-15	DIM.ADDED

REVISIONS

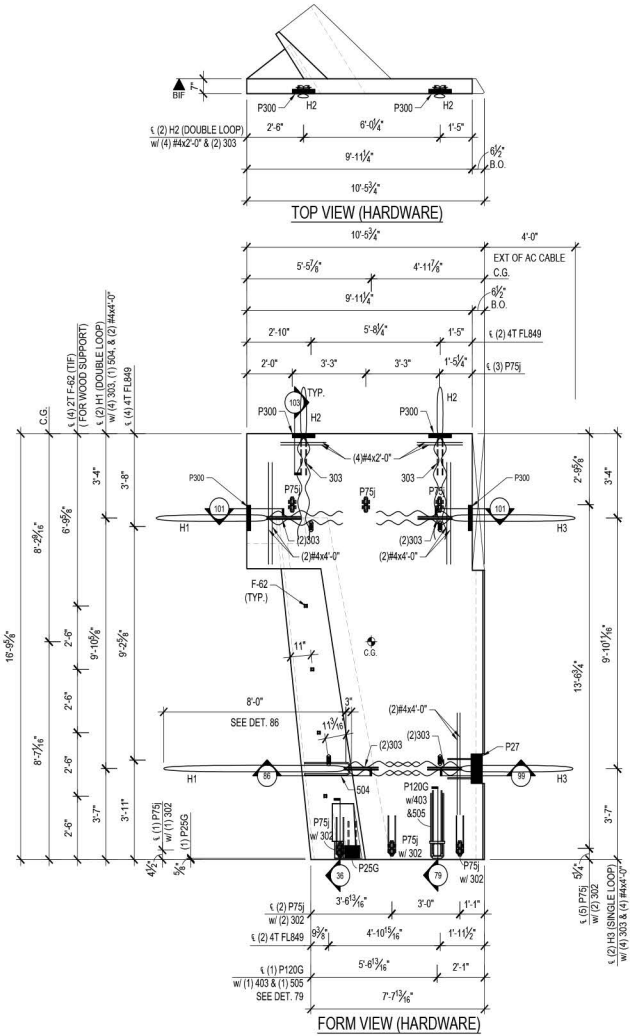
DRWN: SF	CU. YD.
DATE: 7/14/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P163r1

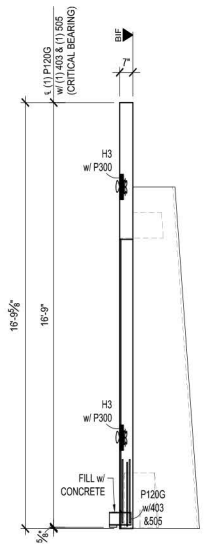
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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 2 OF 4
FOR DETAILS, TOP & SECTIONS

PLEASE SEE SHEET 3 OF 4
FOR REINFORCING





RIGHT SIDE VIEW
(HARDWARE)

HARDWARE

ITEM	QTY.	DESCRIPTION
P25G	1	L 6x4x3/8"x0'-8" w/(2) 1/2"dia x 4" H.C.A. & (2) #4x1'-5"
P27G	1	L 5x3x3/8"x1'-2" w/ (2) 1/2" DIA.x3" H.A.S & (2) #4 x 1'-6"
P300	4	L 2x2x1/4"x1'-0" w/ (2) 3/8" DIA.x3" H.A.S
P75j	6	PSA 6035 ADJUSTABLE INSERT (J-FINISH)
F-62	4	F-62 FLARED THIN SLAB FERRULE INSERT 2"Ø x 2 1/16"
P120G	1	HSS 6"x4"x1/4"x0'-11 1/2" w/ (4) #6 x2'-6" A706 BARS (1) L1"x1"x1/4"x0'-8" (1) PL 1"x4"x5"
4T FL849	4	4Tx 4 3/4" LONG P.94 FLEET LIFT T-ANCHOR
H1	2	3/4"Ø AIRCRAFT CABLE (24'-0" each) w/(2) 303 (DOUBLE LOOP)
H2	2	3/4"Ø AIRCRAFT CABLE (18'-0" each) w/(2) 303 (DOUBLE LOOP)
H3	2	3/4"Ø AIRCRAFT CABLE (20'-0") w/(2) 303 (SINGLE LOOP)

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

COLOR/FINISH

1	FINISH #1 GPK#2971K POLISHED
2	FINISH #2 GPK#2971K FORM

TOP IN FORM FINISH

1	FLOAT FINISH - GRAY
2	GPK#2971K SB-L

1.UNIT WI. 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

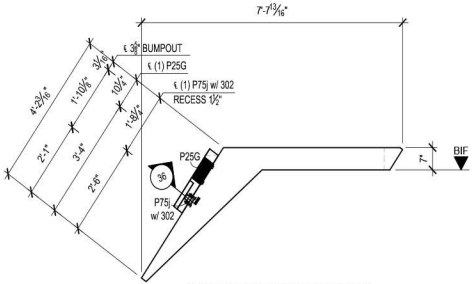
NO.	DATE:	DESCRIPTION

REVISIONS

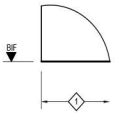
DRWN: SLN	CU. YD. 3.69
DATE: 07/25/15	WEIGHT: 14,921#
CHKR: CRR	SQ. FT.: 166
DATE: 7-27-15	JOB #: 14248
QUANTITY	PIECE MARK
1	P164

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

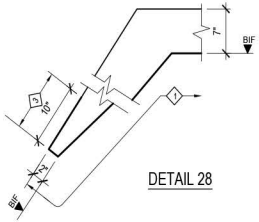
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY



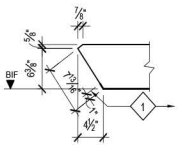
BOTTOM VIEW (HARDWARE)



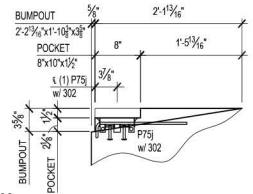
DETAIL 1



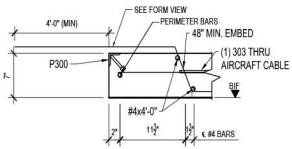
DETAIL 28



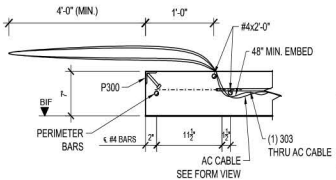
DETAIL 13



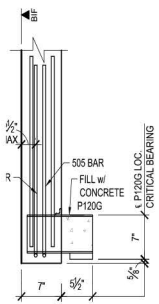
DETAIL 36



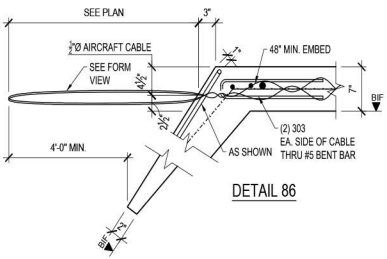
DETAIL 101



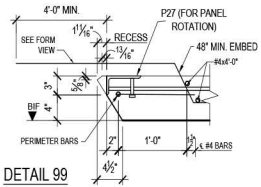
DETAIL 103



DETAIL 79



DETAIL 86



DETAIL 99

NO.	DATE:	DESCRIPTION
		REVISIONS

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

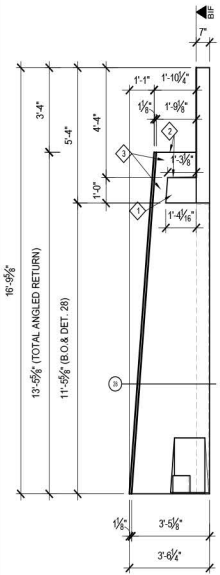
PLEASE SEE SHEET 1 OF 4 FOR FINISHES

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

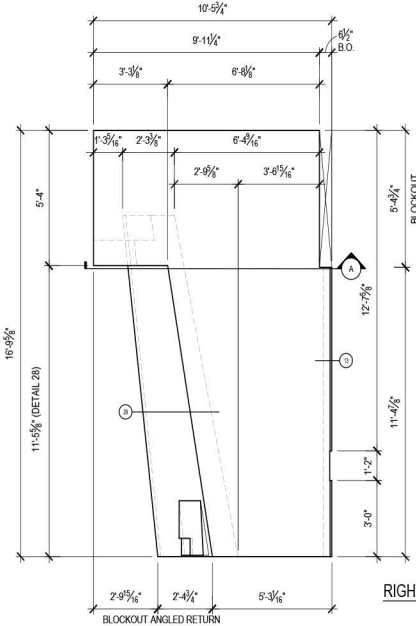
DRWN: SLN	CU. YD.
DATE: 07/25/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P164

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

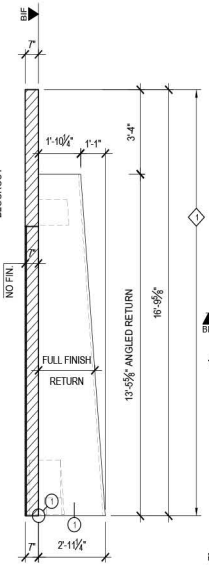
PRODUCTION NOTES
1.REINFORCING WELL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



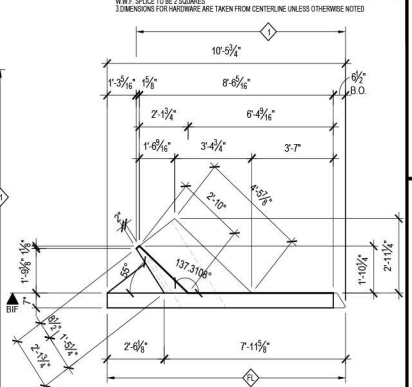
LEFT SIDE VIEW (MOLD)



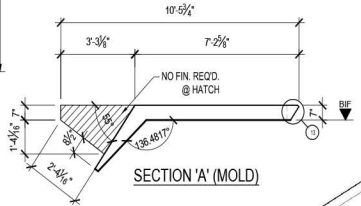
FORM VIEW (MOLD)



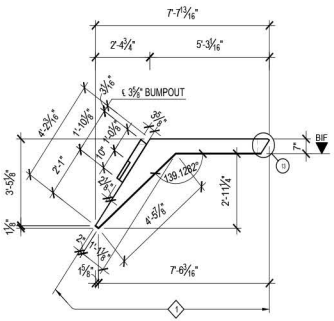
RIGHT SIDE VIEW (MOLD)



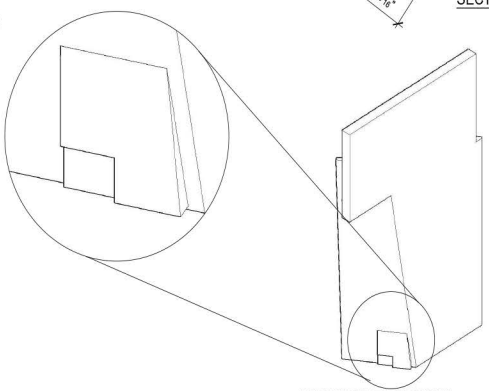
TOP VIEW (MOLD)



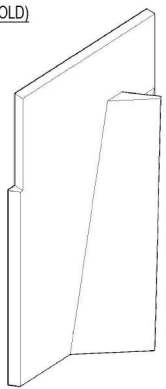
SECTION 'A' (MOLD)



BOTTOM VIEW (MOLD)



BACK ISOMETRIC VIEW



FRONT ISOMETRIC VIEW

PLEASE SEE SHEET 4 OF 4
FOR REINFORCING

PLEASE SEE SHEET 1 OF 4
FOR HARDWARE

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

PLEASE SEE SHEET 1 OF 4
FOR FINISHES

NO.	DATE:	DESCRIPTION

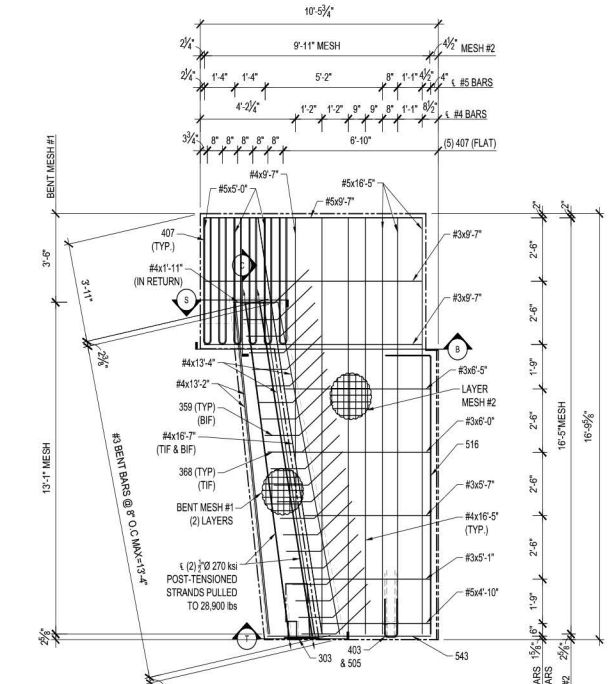
REVISIONS

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

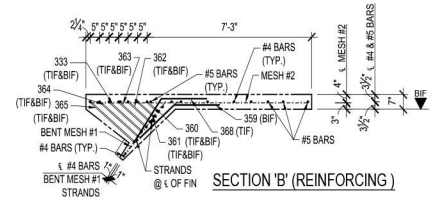
DRWN: SLN	CU. YD.
DATE: 07/25/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P164

THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY OR RELIED ON ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

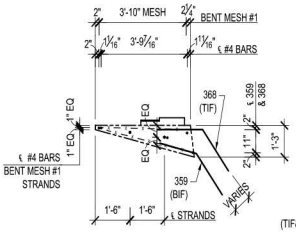
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES.
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



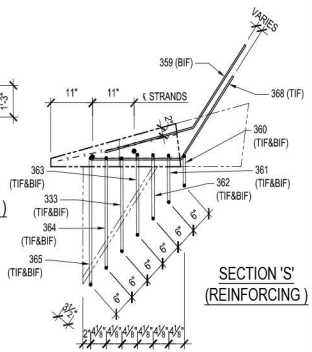
FORM VIEW (REINFORCING)



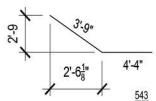
SECTION 'B' (REINFORCING)

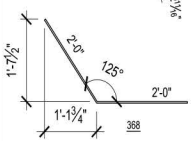


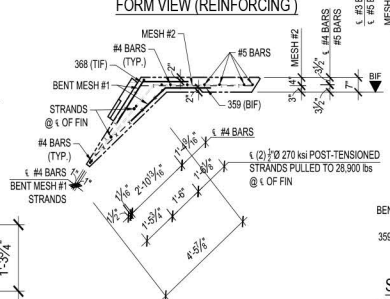
SECTION 'T' (REINFORCING)



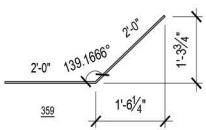
SECTION 'S' (REINFORCING)

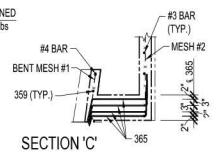




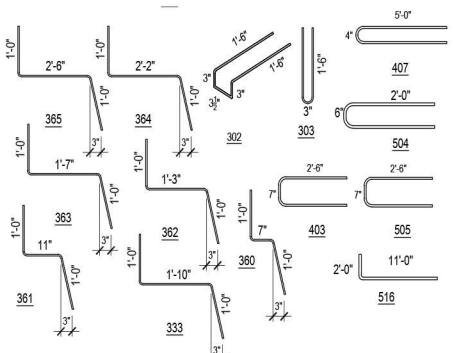


BOTTOM VIEW (REINFORCING)





SECTION 'C' (REINFORCING)



REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
302	3	#3 BENT BAR	11'-4½" LF
303	11	#3 BENT BAR	35'-9" LF
333	4	#3 BENT BAR	15'-4" LF
359	21	#3 BENT BAR	84'-0" LF
360	4	#3 BENT BAR	10'-4" LF
361	4	#3 BENT BAR	11'-8" LF
362	4	#3 BENT BAR	13'-0" LF
363	4	#3 BENT BAR	14'-4" LF
364	4	#3 BENT BAR	16'-8" LF
365	4	#3 BENT BAR	18'-0" LF
368	21	#3 BENT BAR	84'-0" LF
403	1	#4 BENT BAR	5'-7" LF
407	5	#4 BENT BAR	51'-8" LF
504	1	#5 BENT BAR	4'-8" LF
505	1	#5 BENT BAR	5'-7" LF
516	1	#5 BENT BAR	11'-2" LF
543	1	#5 BENT BAR	8'-1" LF
	1	#3x5'-1"	5'-1" LF
	1	#3x5'-7"	5'-7" LF
	1	#3x6'-0"	6'-0" LF
	1	#3x6'-5"	6'-5" LF
	2	#3x9'-7"	19'-2" LF
	1	#4x1'-11"	1'-11" LF
	4	#4x2'-0"	8'-0" LF
	6	#4x4'-0"	24'-0" LF
	1	#4x9'-7"	9'-7" LF
	2	#4x13'-2"	26'-4" LF
	2	#4x13'-4"	26'-8" LF
	3	#4x16'-5"	49'-3" LF
	2	#4x16'-7"	33'-2" LF
	1	#5x4'-10"	4'-10" LF
	3	#5x5'-0"	15'-0" LF
	1	#5x9'-7"	9'-7" LF
	3	#5x16'-5"	49'-3" LF
	2	7/8"Ø 270 ksi POST-TENSIONED STRANDS PULLED TO 28,900 lbs	
BENT MESH #1	2 LYR	6X6/W4.0x/W4.0 WWF 3'-10" x 13'-1"	15 SF
MESH #2	1 LYR	6X6/W4.0x/W4.0 WWF 9'-11" x 16'-5"	106 SF

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

NO.	DATE:	DESCRIPTION

REVISIONS

1.UNIT WI. 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: SLN	CU. YD.
DATE: 07/25/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P164

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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 2 OF 3
FOR DETAILS, TOP & SECTIONS

PLEASE SEE SHEET 3 OF 3
FOR REINFORCING

HARDWARE

ITEM	QTY.	DESCRIPTION
P75j	6	PSA 6035 ADJUSTABLE INSERT (J-FINISH)
P119G	2	HSS 6"x6"x3/8"x0'-11 1/2" w/ (4) #7x3'-7" A706 BARS (1) #7x3'-0" A706 BAR (1) L1"x1"x1/4"x0'-10" & (1) PL 1"x4"x0'-6 1/2" & (1) PL 3/8"x 5 1/2" x 5 1/2"
P300	3	L 2x2x1/4"x1'-0" w/ (2) 3/8" DIA.x3" H.A.S
P27	1	L 5x3x3/8"x1'-2" w/ (2) 1/2" DIA.x3" H.A.S & (2) #4 x 1'-6"
F-62	4	F-62 FLARED THIN SLAB FERRULE INSERT 1 3/4"Ø x 2 3/4"
4T FL849	4	4T x 4 1/2" LONG P-94 FLEET LIFT T-ANCHOR
H1	2	3/4"Ø AIRCRAFT CABLE (24'-0" each) w/(2) 303 (DOUBLE LOOP)
H2	2	3/4"Ø AIRCRAFT CABLE (18'-0" each) w/(2) 303 (DOUBLE LOOP)
H3	2	3/4"Ø AIRCRAFT CABLE (20'-0") w/(2) 303 (SINGLE LOOP)

APPROVED
By Kate Akulova at 10:34 am, Jul 22, 2015

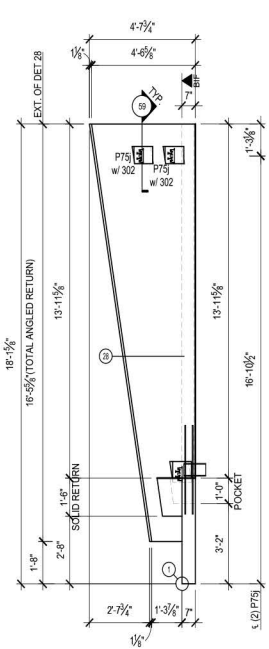
COLOR/FINISH

1	FINISH #1 GPK# 2971K POLISHED
2	FINISH #3 GPK# 2971K SB-L

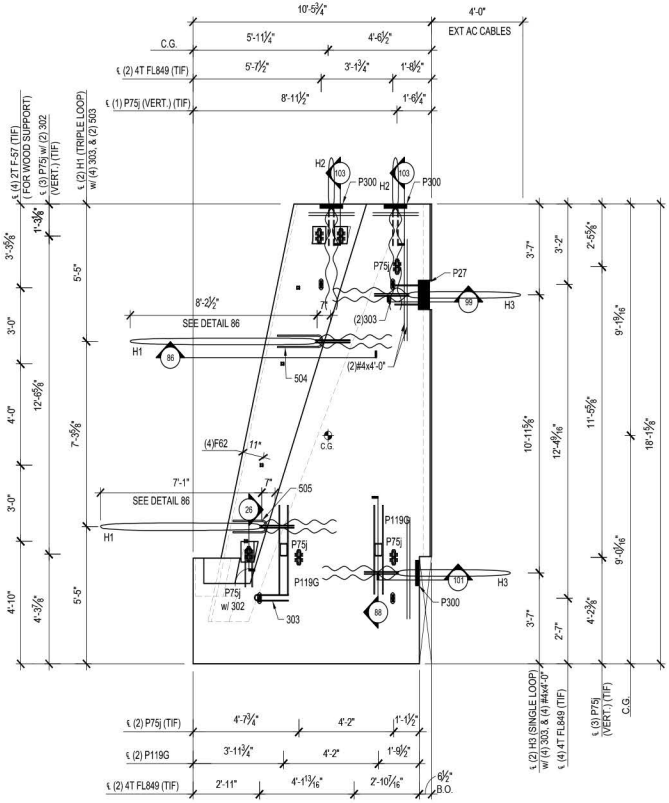
TOP IN FORM FINISH

FL	FLOAT FINISH - GRAY

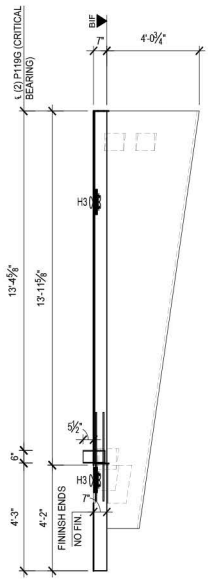
1.UNIT WT. OF CONCRETE =150 pcf
2.RELEASE CONCRETE STRENGTH = 3000 PSI
3.28 DAY CONCRETE STRENGTH = 5000 PSI
4.REINFORCING STEEL-ASTM A615 GRADE 60
5.WWF STEEL- ASTM A185



LEFT SIDE VIEW
(HARDWARE)



FORM VIEW (HARDWARE)



RIGHT SIDE VIEW
(HARDWARE)

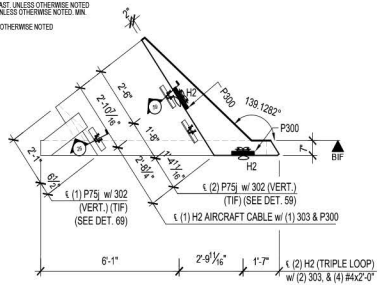
NO.	DATE:	DESCRIPTION

REVISIONS

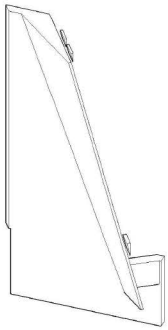
DRWN: KU	CU. YD. 3.97
DATE: 07/21/15	WEIGHT: 16,066#
CHKR: CRR	SQ. FT.: 170
DATE: 7-21-15	JOB #: 14248
QUANTITY	PIECE MARK
1	P165

PRODUCTION NOTES
1.REINFORCING WELL 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

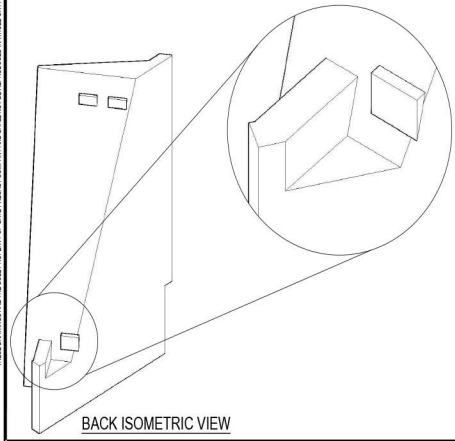
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY



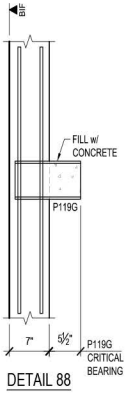
TOP VIEW (HARDWARE)



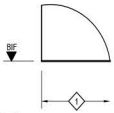
FRONT ISOMETRIC VIEW



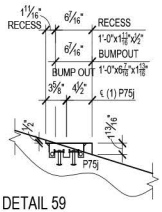
BACK ISOMETRIC VIEW



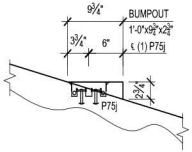
DETAIL 88



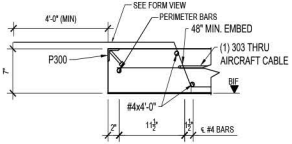
DETAIL 1



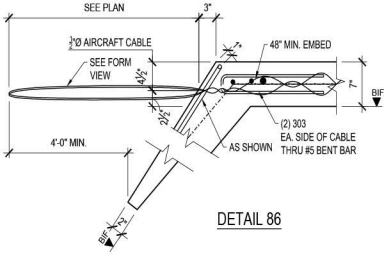
DETAIL 59



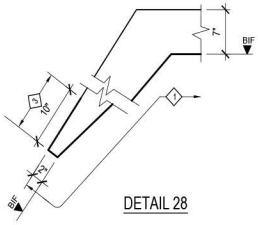
DETAIL 26



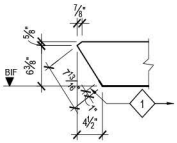
DETAIL 101



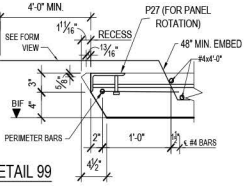
DETAIL 86



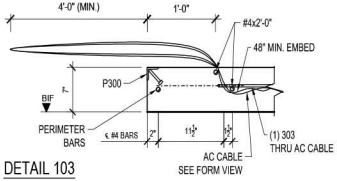
DETAIL 28



DETAIL 13



DETAIL 99



DETAIL 103

NO.	DATE:	DESCRIPTION

REVISIONS

PLEASE SEE SHEET 4 OF 4
FOR REINFORCING

PLEASE SEE SHEET 1 OF 4
FOR HARDWARE

APPROVED
By Kate Akulova at 10:34 am, Jul 22, 2015

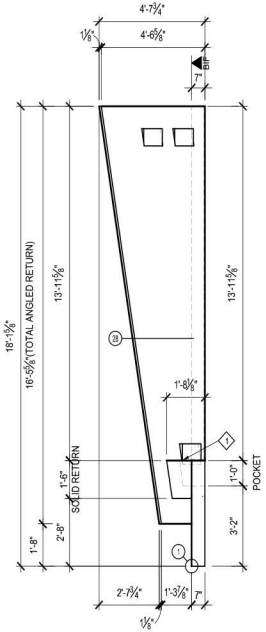
PLEASE SEE SHEET 1 OF 4
FOR FINISHES

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

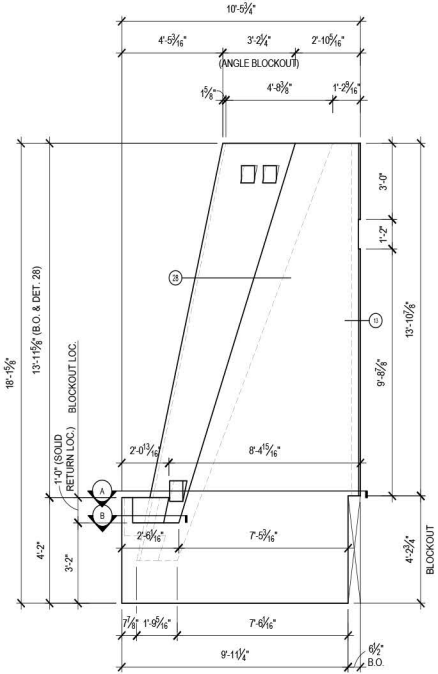
DRWN: KU	CU. YD.
DATE: 07/21/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P165

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

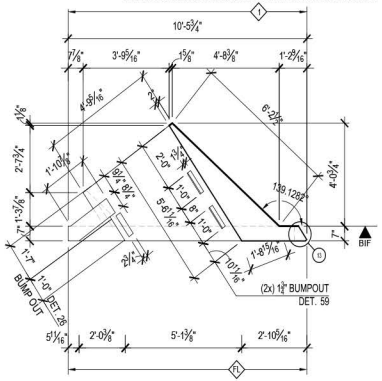
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



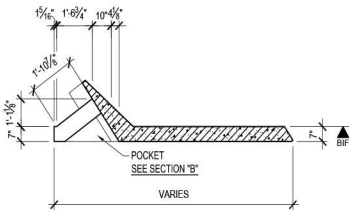
LEFT SIDE VIEW (MOLD)



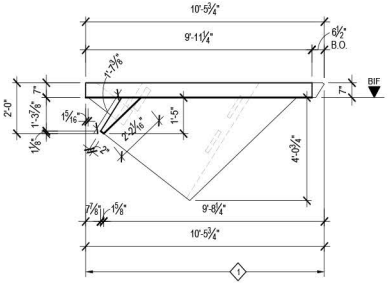
FORM VIEW (MOLD)



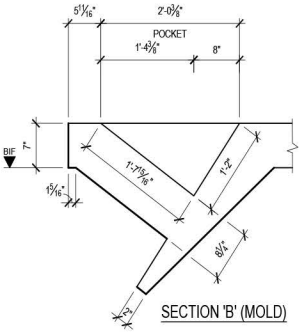
TOP VIEW (MOLD)



SECTION 'A' (MOLD)



BOTTOM VIEW (MOLD)



SECTION 'B' (MOLD)

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

APPROVED
By Kate Akulova at 10:34 am, Jul 22, 2015

PLEASE SEE SHEET 1 OF 4 FOR FINISHES

NO.	DATE:	DESCRIPTION

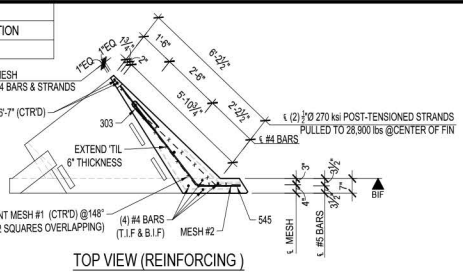
REVISIONS

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

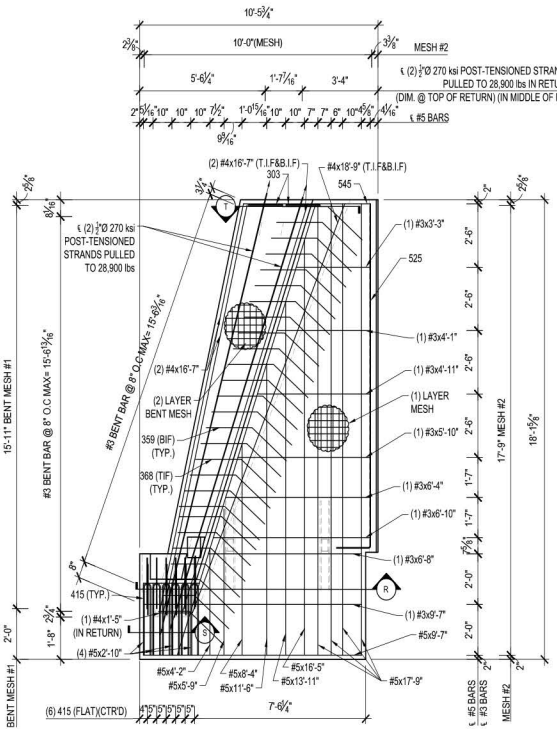
DRWN: KU	CU. YD.
DATE: 07/21/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P165

NO.	DATE:	DESCRIPTION
		REVISIONS

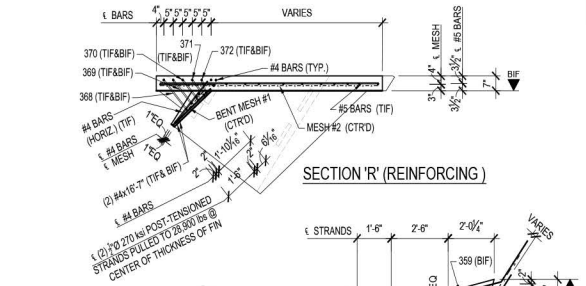
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



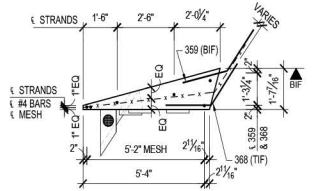
TOP VIEW (REINFORCING)



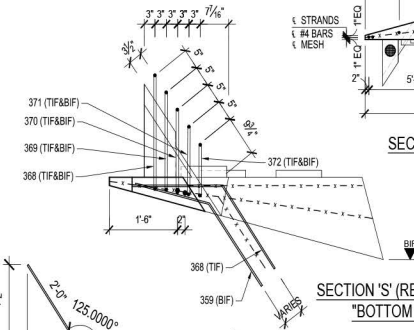
FORM VIEW (REINFORCING)



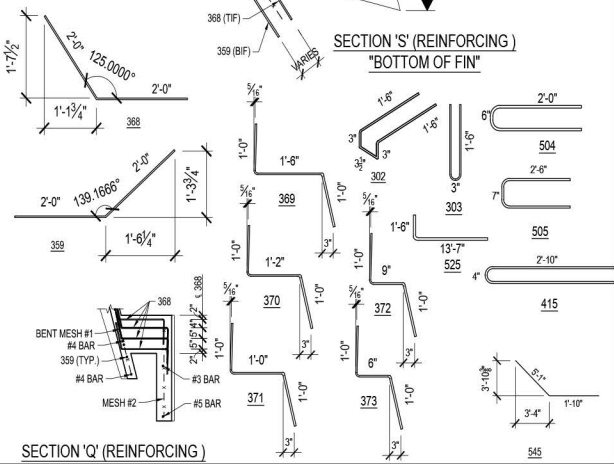
SECTION 'R' (REINFORCING)



SECTION 'T' (REINFORCING)
"TOP OF FIN"



SECTION 'S' (REINFORCING)
"BOTTOM OF FIN"



SECTION 'Q' (REINFORCING)

REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
302	1	#3 BENT BAR	3'-9 3/8" LF
303	12	#3 BENT BAR	39'-0" LF
359	27	#3 BENT BAR	108'-0" LF
368	27	#3 BENT BAR	108'-0" LF
369	4	#3 BENT BAR	14'-0" LF
370	4	#3 BENT BAR	12'-8" LF
371	4	#3 BENT BAR	12'-0" LF
372	4	#3 BENT BAR	11'-0" LF
373	4	#3 BENT BAR	10'-0" LF
415	6	#4 BENT BAR	36'-0" LF
504	1	#5 BENT BAR	4'-6" LF
505	1	#5 BENT BAR	5'-7" LF
525	1	#5 BENT BAR	15'-1" LF
545	1	#5 BENT BAR	6'-11" LF
	1	#3x3'-3"	3'-3" LF
	1	#3x4'-1"	4'-1" LF
	1	#3x4'-11"	4'-11" LF
	1	#3x5'-10"	5'-10" LF
	1	#3x6'-4"	6'-4" LF
	1	#3x6'-9"	6'-9" LF
	1	#3x6'-10"	6'-10" LF
	1	#3x9'-7"	9'-7" LF
	1	#4x1'-5"	1'-5" LF
	4	#4x2'-0"	8'-0" LF
	4	#4x4'-0"	16'-0" LF
	4	#4x16'-7"	66'-4" LF
	2	#4x18'-9"	37'-8" LF
	4	#5x2'-10"	11'-4" LF
	1	#5x4'-2"	4'-2" LF
	1	#5x5'-9"	5'-9" LF
	1	#5x8'-4"	8'-4" LF
	1	#5x11'-6"	11'-6" LF
	1	#5x13'-11"	13'-11" LF
	1	#5x16'-5"	16'-5" LF
	4	#5x17'-9"	71'-0" LF
	2	1/2"Ø 270 ksi POST-TENSIONED STRANDS PULLED TO 28,900 lbs	
MESH #2	1 LYR	6X6/W4.0xW4.0 WWF 10'-0" x 17'-9"	92 SF
BENT MESH #1	2 LYR	6X6/W4.0xW4.0 WWF 5'-2" x 15'-11"	20 SF

APPROVED
By Kate Akulova at 10:34 am, Jul 22, 2015

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

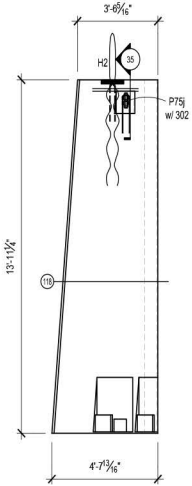
DRWN: KU	CU. YD.
DATE: 07/21/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P165

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

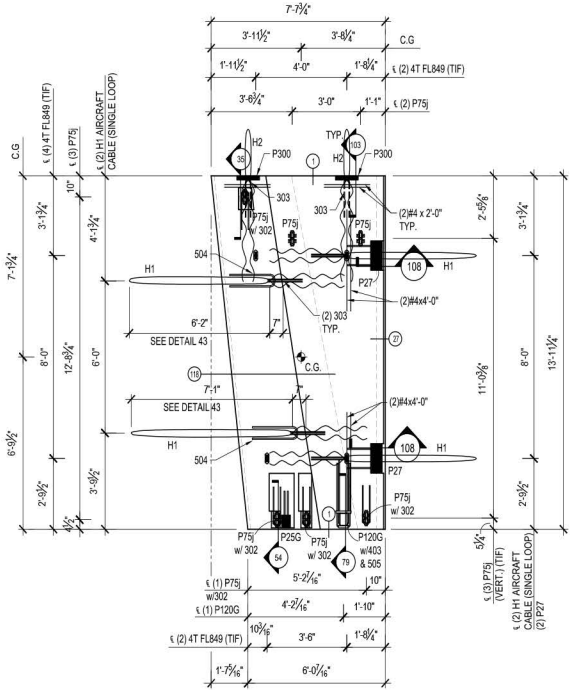
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR RELIEF ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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

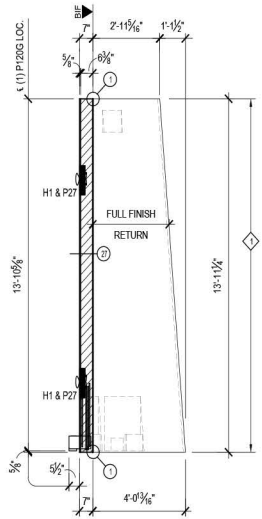
PLEASE SEE SHEET 4 OF 4 FOR REINFORCING



LEFT SIDE VIEW (HARDWARE)



FORM VIEW (HARDWARE)



RIGHT SIDE VIEW (HARDWARE)

HARDWARE

ITEM	QTY.	DESCRIPTION
P25G	1	L 6x4x3/8"x0'-8" w/(2) 1/2"dia x 4" H.C.A. & (2) #4x1'-5"
P27	2	L 5x3x3/8"x1'-2" w/ (2) 1/2" DIA.x3" H.A.S & (2) #4 x 1'-6"
P75j	6	PSA 6035 ADJUSTABLE INSERT (J-FINISH)
P120G	1	HSS 6"x4"x1/4"x0'-11 1/2" w/ (4) #4 A706x2'-6" BARS (1) L1"x1"x1/4"x0'-8" (1) PL 1"x4"x5"
P300	2	L 2x2x1/4"x1'-0" w/ (2) 3/8" DIA.x3" H.A.S
4T FL849	4	4Tx 4 3/4" LONG P-94 FLEET LIFT T-ANCHOR
H1	4	2"Ø AIRCRAFT CABLE (24'-0" each) w/(2) 303 (SINGLE LOOP)
H2	2	2"Ø AIRCRAFT CABLE (18'-0" each) w/(2) 303 (SINGLE LOOP)

COLOR/FINISH

1	FINISH #1 GPK#2971K POLISHED
2	FINISH #2 GPK#2971K FORM

TOP IN FORM FINISH

1	FLOAT FINISH - GRAY
2	GPK#2971K SB-L

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

REVISED
4:56 pm, Sep 10, 2015

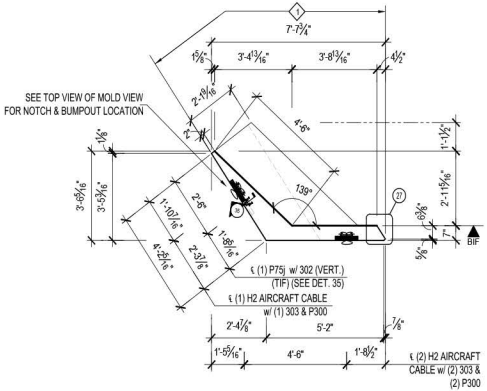
SEE SHEET 2 & 3 FOR SECTIONS, DETAILS & FORM WORK

NO.	DATE:	DESCRIPTION

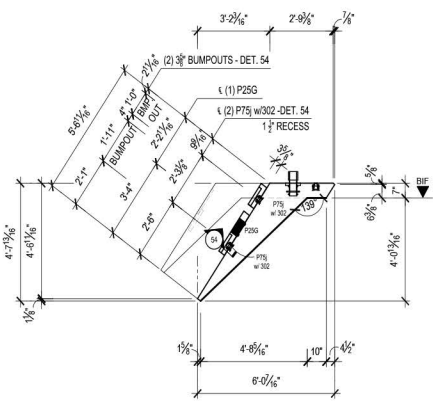
REVISIONS

DRWN: SF	CU. YD. 3.07
DATE: 07/14/15	WEIGHT: 12,450
CHKR: CRR	SQ. FT.: 120
DATE: 7-28-15	JOB #: 14248
QUANTITY	PIECE MARK
1	P166r1

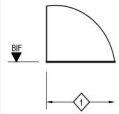
PRODUCTION NOTES:
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



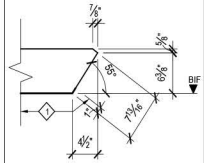
TOP VIEW (HARDWARE)



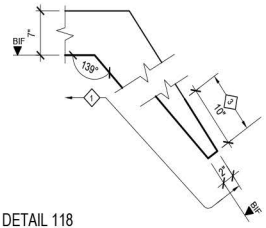
BOTTOM VIEW (HARDWARE)



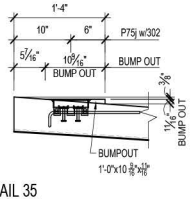
DETAIL 1



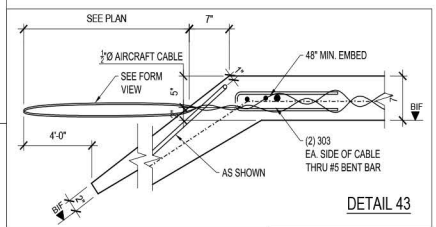
DETAIL 27



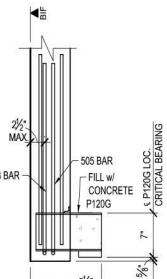
DETAIL 118



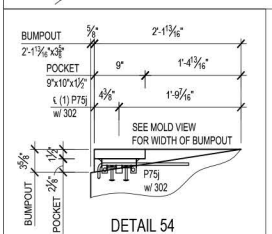
DETAIL 35



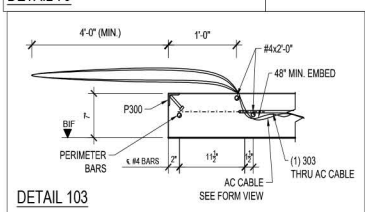
DETAIL 43



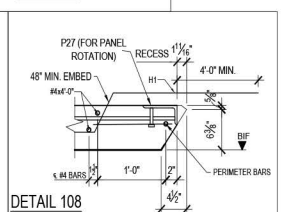
DETAIL 79



DETAIL 54



DETAIL 103



DETAIL 108

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

REVISED
4:56 pm, Sep 10, 2015

PLEASE SEE SHEET 1 OF 4 FOR FINISHES

NO.	DATE:	DESCRIPTION

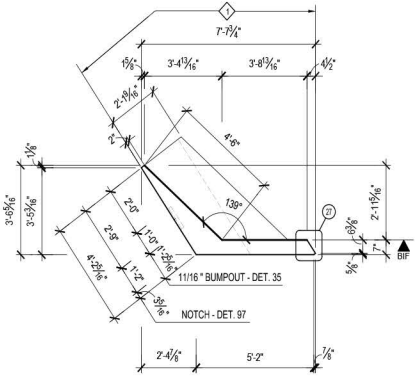
REVISIONS

1.UNIT WI. 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

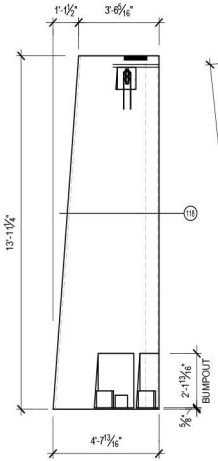
DRWN: SF	CU. YD.
DATE: 07/14/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P166r1

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

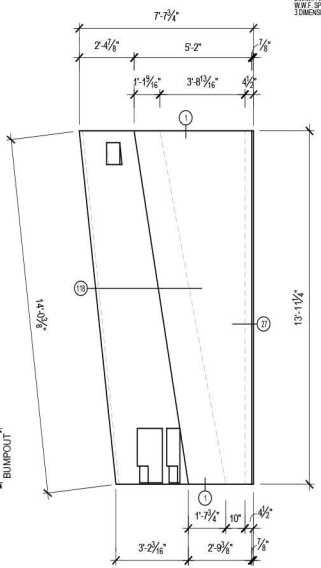
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



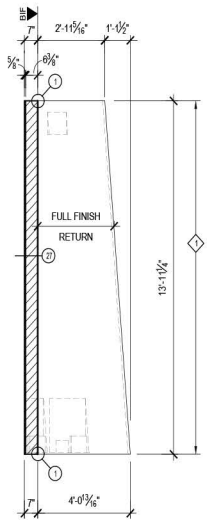
TOP VIEW (MOLD)



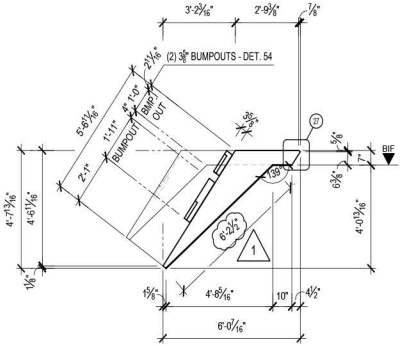
LEFT SIDE VIEW (MOLD)



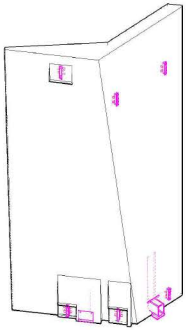
FORM VIEW (MOLD)



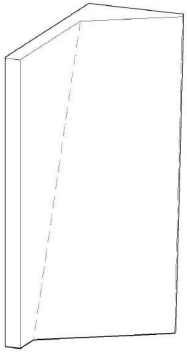
RIGHT SIDE VIEW (MOLD)



BOTTOM VIEW (MOLD)



ISOMETRIC REAR VIEW



ISOMETRIC FACE VIEW

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

REVISED
4:56 pm, Sep 10, 2015

PLEASE SEE SHEET 1 OF 4 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

NO.	DATE:	DESCRIPTION
1	9-10-15	DIM.ADDED

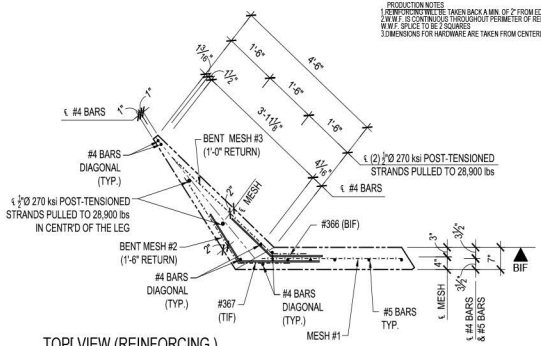
REVISIONS

DRWN: SF	CU. YD.
DATE: 7/14/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P166r1

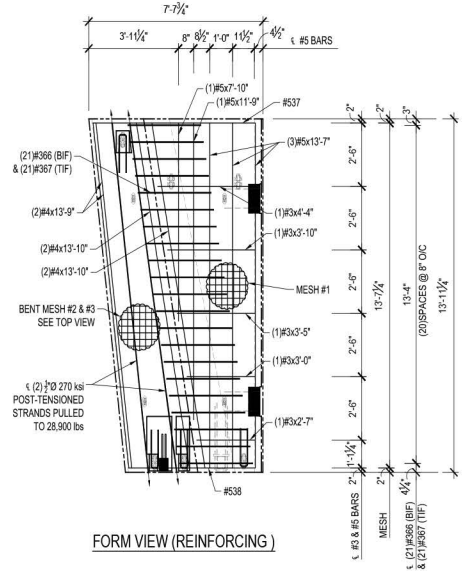
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

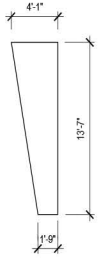
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



TOP[VIEW (REINFORCING)



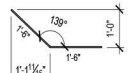
FORM VIEW (REINFORCING)



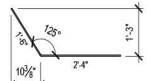
MESH #1 (REINFORCING)

MESH #2

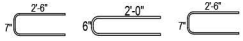
MESH #3



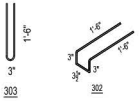
366



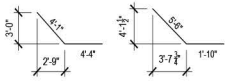
367



403 504 505



303 302



537 538

REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
302	4	#3 BENT BAR	15'-2" LF
303	10	#3 BENT BAR	32'-6" LF
366	21	#3 BENT BAR	63'-0" LF
367	21	#3 BENT BAR	80'-6" LF
403	1	#4 BENT BAR	5'-7" LF
504	2	#5 BENT BAR	9'-0" LF
505	1	#5 BENT BAR	5'-7" LF
537	1	#5 BENT BAR	8'-5" LF
538	1	#5 BENT BAR	7'-4" LF
	1	#3x2'-7"	2'-7" LF
	1	#3x3'-0"	3'-0" LF
	1	#3x3'-5"	3'-5" LF
	1	#3x3'-10"	3'-10" LF
	1	#3x4'-4"	4'-4" LF
	4	#4x2'-0"	8'-0" LF
	4	#4x4'-0"	16'-0" LF
	2	#4x13'-9"	27'-6" LF
	4	#4x13'-10"	55'-4 LF
	1	#5x7'-10"	7-10" LF
	1	#5x11'-9"	11-9" LF
	3	#5x13'-7"	40'-9" LF
MESH #1	1 LYR.	6x6/W4.0xW4.0 WWF 4'-1" x 13'-7" (CUT)	40 SF
MESH #2	1 LYR.	6Xx6/W4.0xW4.0 WWF 4'-3" (BENT) x 13'-7"	58 SF
MESH #3	1 LYR.	6X6/W4.0xW4.0 WWF 4'-10" (BENT) x 13'-7"	65 SF

REVISED
4:56 pm, Sep 10, 2015

PLEASE SEE SHEET 1 OF 4
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

NO.	DATE:	DESCRIPTION
		REVISIONS

DRWN: SF	CU. YD.
DATE: 7/14/15	WEIGHT:
CHKR: ----	SQ. FT.:
DATE: ----	JOB #: 14248
QUANTITY	PIECE MARK
1	P166r1

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 OTHER PROJECTS OR ANY EXTENSION OF THIS PROJECT WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

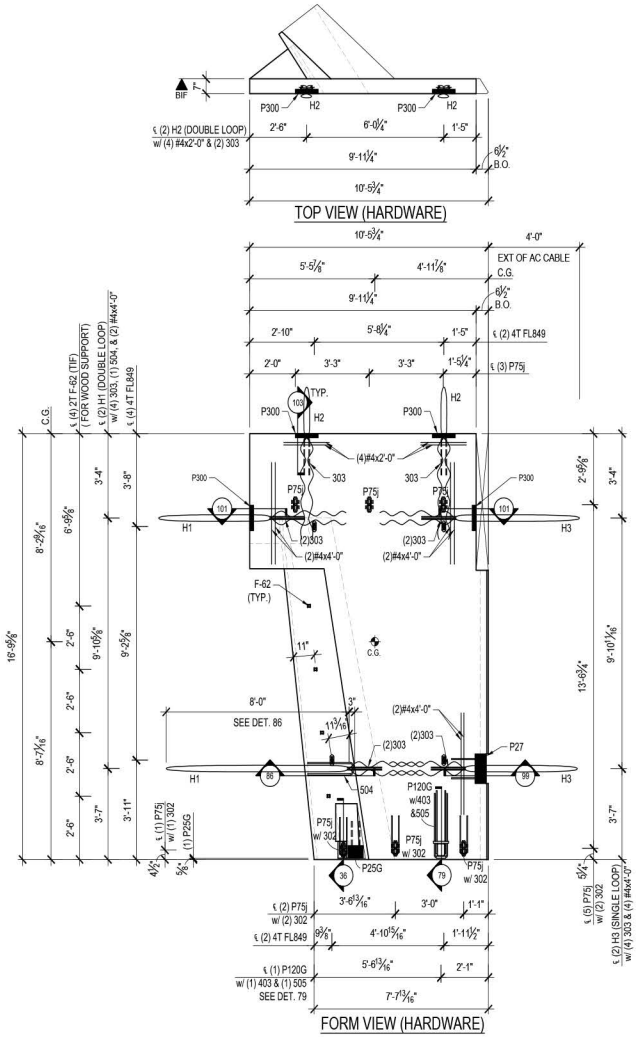
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED

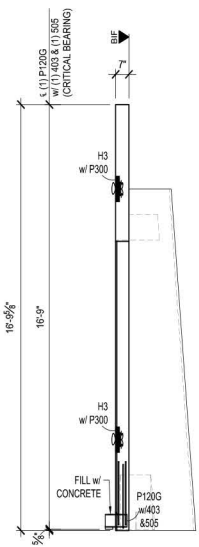
SEE SHEET 2 OF 4
FOR DETAILS, TOP & SECTIONS

PLEASE SEE SHEET 3 OF 4
FOR REINFORCING

HARDWARE

ITEM	QTY.	DESCRIPTION
P25G	1	L 6x4x3/8"x0'-8" w/(2) 1/2"dia x 4" H.C.A. & (2) #4x1'-5"
P27G	1	L 5x3x3/8"x1'-2" w/ (2) 1/2" DIA.x3" H.A.S & (2) #4 x 1'-6"
P300	4	L 2x2x1/4"x1'-0" w/ (2) 3/8" DIA.x3" H.A.S
P75j	6	PSA 6035 ADJUSTABLE INSERT (J-FINISH)
F-62	4	F-62 FLARED THIN SLAB FERRULE INSERT 2 3/4"Ø x 2 1/4"
P120G	1	HSS 6"x4"x1/4"x0'-11 1/2" w/ (4) #6 x2'-6" A706 BARS (1) L1"x1"x1/4"x0'-8" (1) PL 1"x4"x5"
4T FL849	4	4Tx 4 3/4" LONG P-94 FLEET LIFT T-ANCHOR
H1	2	3/4"Ø AIRCRAFT CABLE (24'-0" each) w/(2) 303 (DOUBLE LOOP)
H2	2	3/4"Ø AIRCRAFT CABLE (18'-0" each) w/(2) 303 (DOUBLE LOOP)
H3	2	3/4"Ø AIRCRAFT CABLE (20'-0") w/(2) 303 (SINGLE LOOP)





RIGHT SIDE VIEW
(HARDWARE)

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

COLOR/FINISH

1	FINISH #1 GPK#2971K POLISHED
2	FINISH #2 GPK#2971K FORM

TOP IN FORM FINISH

1	FLOAT FINISH - GRAY
2	GPK#2971K SB-L

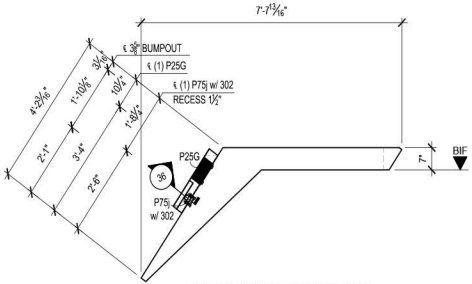
1.UNIT Wt. OF CONCRETE =150 pcf
2.RELEASE CONCRETE STRENGTH = 3500 PSI
3.28 DAY CONCRETE STRENGTH = 5000 PSI
4.REINFORCING STEEL-ASTM A615 GRADE 60
5.WWF STEEL- ASTM A185

NO.	DATE:	DESCRIPTION
		REVISIONS

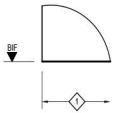
DRWN: SLN	CU. YD. 3.69
DATE: 07/25/15	WEIGHT: 14,921#
CHKR: CRR	SQ. FT.: 166
DATE: 7-27-15	JOB #: 14248
QUANTITY	PIECE MARK
1	P167

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

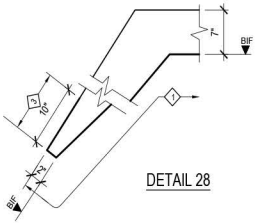
THESE DRAWINGS ARE THE SOLE PROPERTY OF GATE PRECAST COMPANY AND SHALL NOT BE REPRODUCED IN WHOLE OR PART BY ANY OTHER PARTY FOR REUSE ON ANY EXTENSION OF THIS PROJECT OR ANY OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY



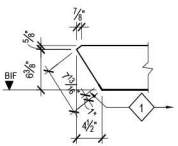
BOTTOM VIEW (HARDWARE)



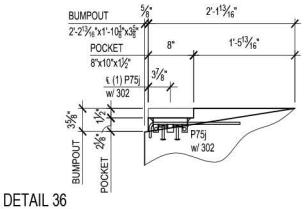
DETAIL 1



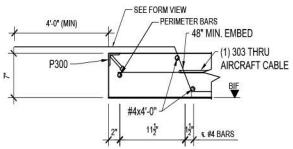
DETAIL 28



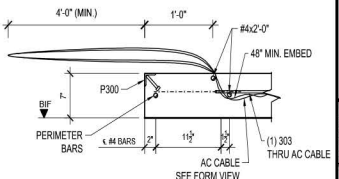
DETAIL 13



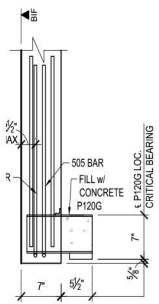
DETAIL 36



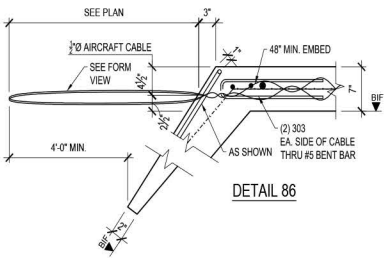
DETAIL 101



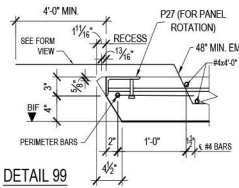
DETAIL 103



DETAIL 79



DETAIL 86



DETAIL 99

NO.	DATE:	DESCRIPTION

REVISIONS

PLEASE SEE SHEET 4 OF 4 FOR REINFORCING

PLEASE SEE SHEET 1 OF 4 FOR HARDWARE

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

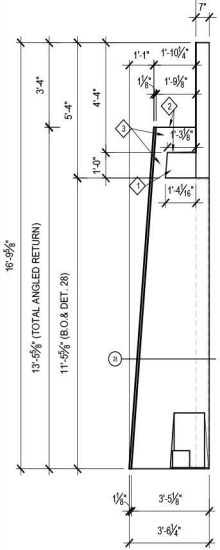
PLEASE SEE SHEET 1 OF 4 FOR FINISHES

1.UNIT WI. 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

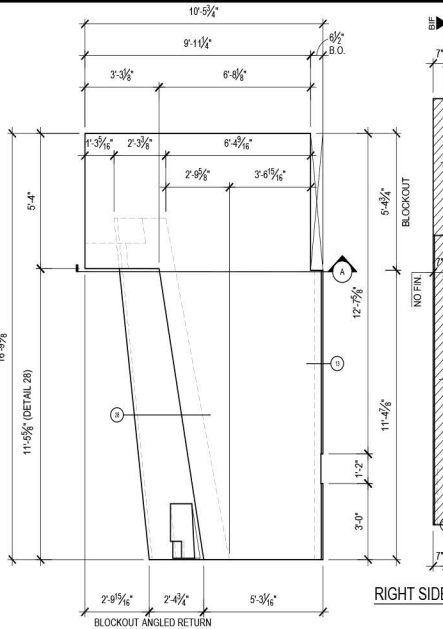
DRWN: SLN	CU. YD.
DATE: 07/25/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P167

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 OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY.

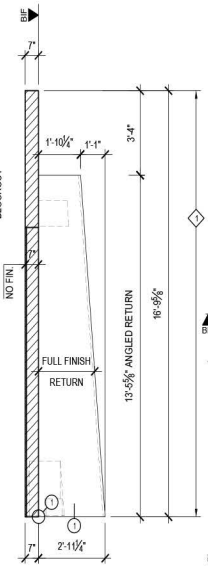
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST, UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



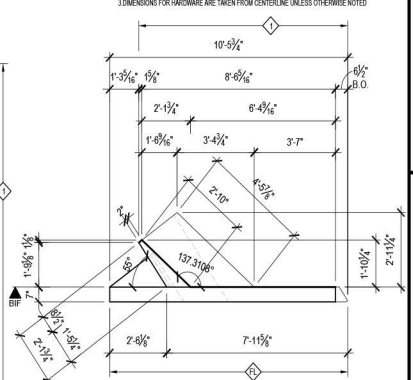
LEFT SIDE VIEW (MOLD)



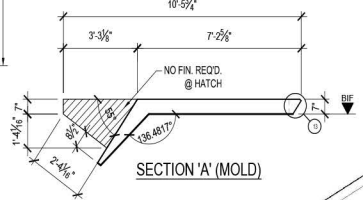
FORM VIEW (MOLD)



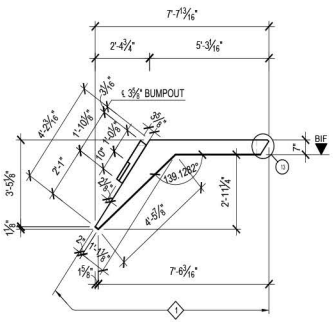
RIGHT SIDE VIEW (MOLD)



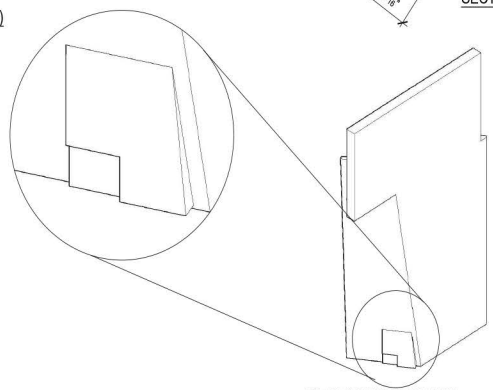
TOP VIEW (MOLD)



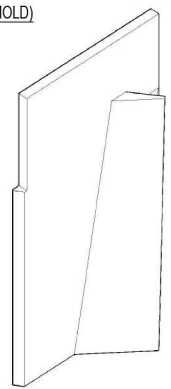
SECTION 'A' (MOLD)



BOTTOM VIEW (MOLD)



BACK ISOMETRIC VIEW



FRONT ISOMETRIC VIEW

PLEASE SEE SHEET 4 OF 4
FOR REINFORCING

PLEASE SEE SHEET 1 OF 4
FOR HARDWARE

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

PLEASE SEE SHEET 1 OF 4
FOR FINISHES

NO.	DATE:	DESCRIPTION

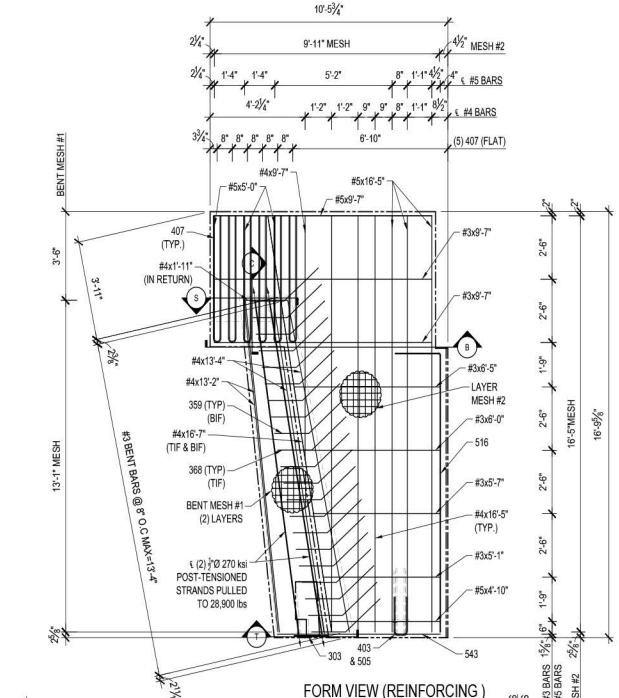
REVISIONS

1.UNIT WI. 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

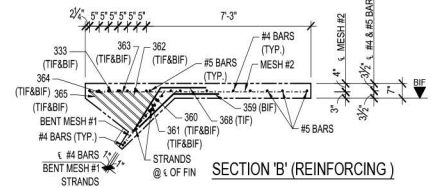
DRWN: SLN	CU. YD.
DATE: 07/25/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P167

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 PROJECTS WITHOUT THE EXPRESS WRITTEN PERMISSION OF GATE PRECAST COMPANY

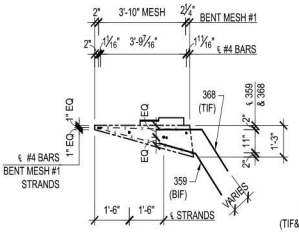
PRODUCTION NOTES
1.REINFORCING WILL BE TAKEN BACK A MIN. OF 2" FROM EDGE OF PRECAST. UNLESS OTHERWISE NOTED
2.W.W.F. IS CONTINUOUS THROUGHOUT PERIMETER OF REINFORCING UNLESS OTHERWISE NOTED. MIN. W.W.F. SPLICE TO BE 2 SQUARES
3.DIMENSIONS FOR HARDWARE ARE TAKEN FROM CENTERLINE UNLESS OTHERWISE NOTED



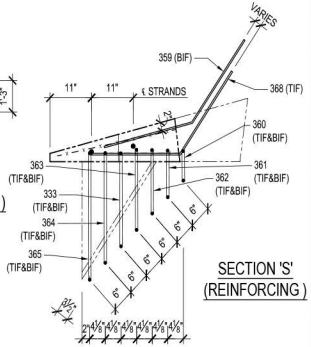
FORM VIEW (REINFORCING)



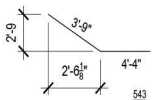
SECTION 'B' (REINFORCING)

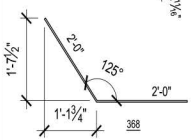


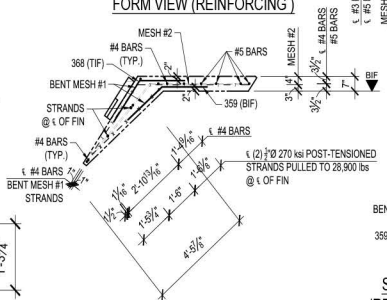
SECTION 'T' (REINFORCING)



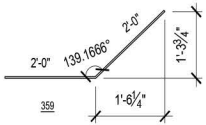
SECTION 'S' (REINFORCING)

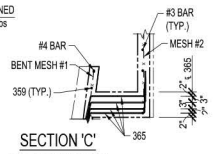




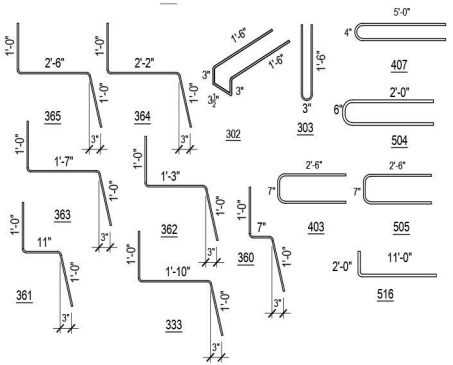


BOTTOM VIEW (REINFORCING)





SECTION 'C' (REINFORCING)



REINFORCEMENT

ITEM	QTY.	DESCRIPTION	TOTALS
302	3	#3 BENT BAR	11'-4½" LF
303	11	#3 BENT BAR	35'-9" LF
333	4	#3 BENT BAR	15'-4" LF
359	21	#3 BENT BAR	84'-0" LF
360	4	#3 BENT BAR	10'-4" LF
361	4	#3 BENT BAR	11'-8" LF
362	4	#3 BENT BAR	13'-0" LF
363	4	#3 BENT BAR	14'-4" LF
364	4	#3 BENT BAR	16'-8" LF
365	4	#3 BENT BAR	18'-0" LF
368	21	#3 BENT BAR	84'-0" LF
403	1	#4 BENT BAR	5'-7" LF
407	5	#4 BENT BAR	51'-8" LF
504	1	#5 BENT BAR	4'-8" LF
505	1	#5 BENT BAR	5'-7" LF
516	1	#5 BENT BAR	11'-2" LF
543	1	#5 BENT BAR	8'-1" LF
	1	#3x5'-1"	5'-1" LF
	1	#3x5'-7"	5'-7" LF
	1	#3x6'-0"	6'-0" LF
	1	#3x6'-5"	6'-5" LF
	2	#3x9'-7"	19'-2" LF
	1	#4x1'-11"	1'-11" LF
	4	#4x2'-0"	8'-0" LF
	6	#4x4'-0"	24'-0" LF
	1	#4x9'-7"	9'-7" LF
	2	#4x13'-2"	26'-4" LF
	2	#4x13'-4"	26'-8" LF
	3	#4x16'-5"	49'-3" LF
	2	#4x16'-7"	33'-2" LF
	1	#5x4'-10"	4'-10" LF
	3	#5x5'-0"	15'-0" LF
	1	#5x9'-7"	9'-7" LF
	3	#5x16'-5"	49'-3" LF
	2	3/8"Ø 270 ksi POST-TENSIONED STRANDS PULLED TO 28,900 lbs	
BENT MESH #1	2 LYR.	6X6/W4.0xW4.0 WWF 3'-10" x 13'-1"	15 SF
MESH #2	1 LYR.	6X6/W4.0xW4.0 WWF 9'-11" x 16'-5"	106 SF

APPROVED
By Kate Akulova at 4:02 pm, Jul 28, 2015

NO.	DATE:	DESCRIPTION

REVISIONS

1.UNIT WI. 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: SLN	CU. YD.
DATE: 07/25/15	WEIGHT:
CHKR:	SQ. FT.:
DATE:	JOB #: 14248
QUANTITY	PIECE MARK
1	P167