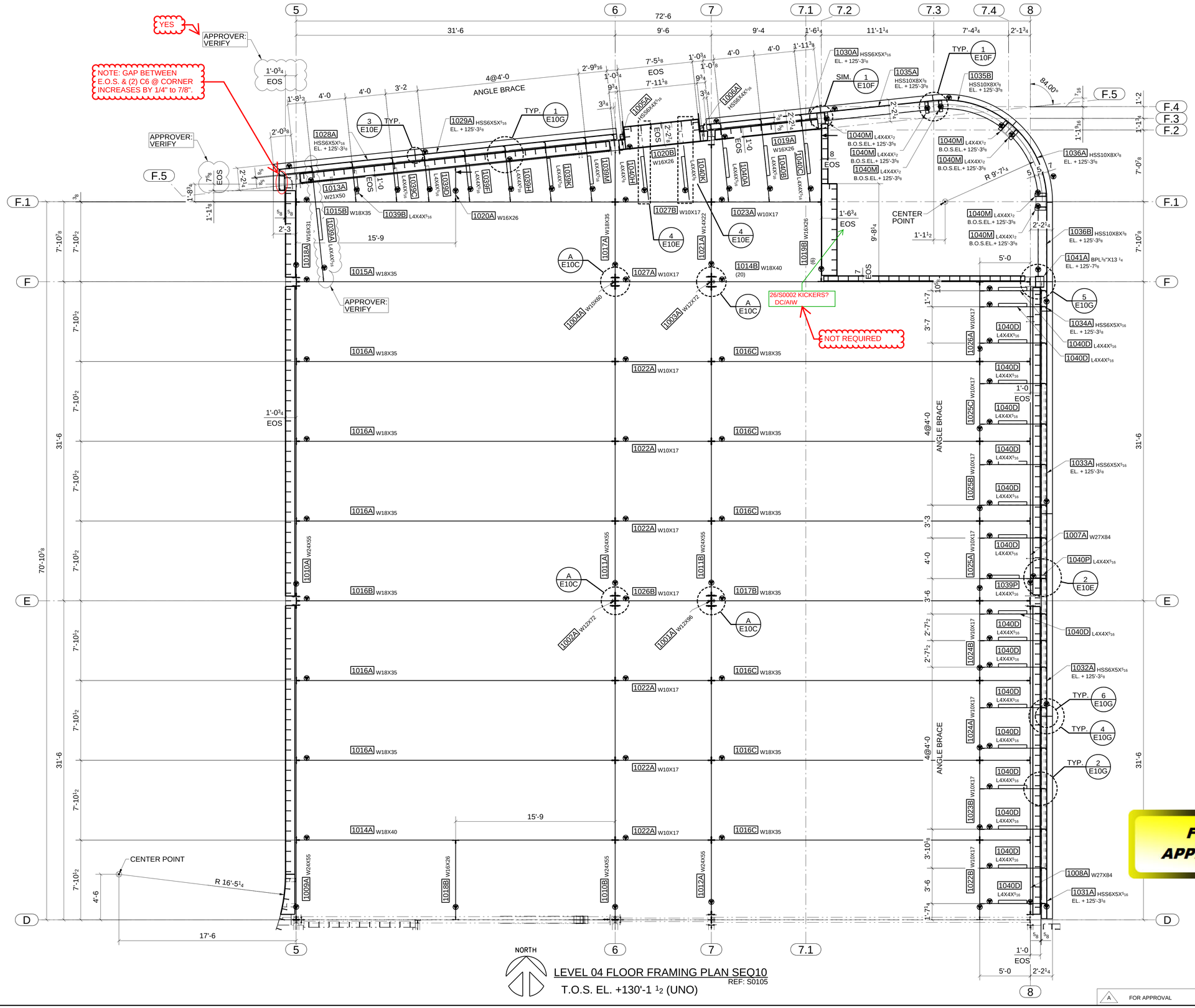
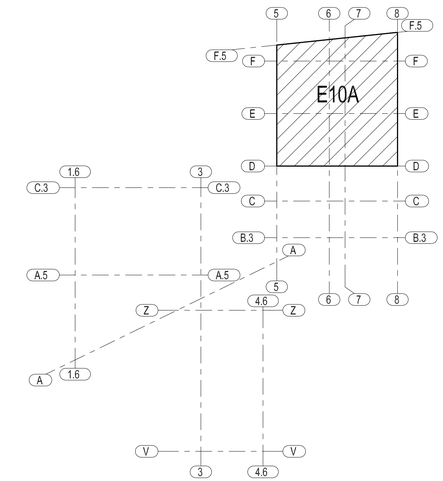
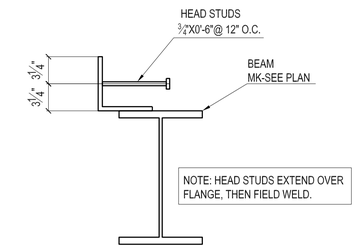


LEVEL 04 FLOOR FRAMING PLAN SEQ10
REF: S0105
T.O.S. EL. +130'-1 ½ (UNO)



KEY PLAN AT 130'-1 1/2"



HEAD STUDS FIELD WELD DETAIL

NOTES:

#1, ▼ DENOTES FOR LOCATION OF SHIPPING MARK.
▶ INDICATES MOMENT CONNECTION.
SLOPE x : 12 INDICATES DIRECTION OF SLOPE DOWNWARD
INDICATES VERTICAL BRACE

#2, ALL ELEVATION SHOWN INDICATE MAIN PART TOP LEVEL.(U.N.O.)

#3, U.N.O.(——►) LOCATE THE WEB OF BEAM AT SOUTH OR WEST SIDE OF SHEAR TAB.

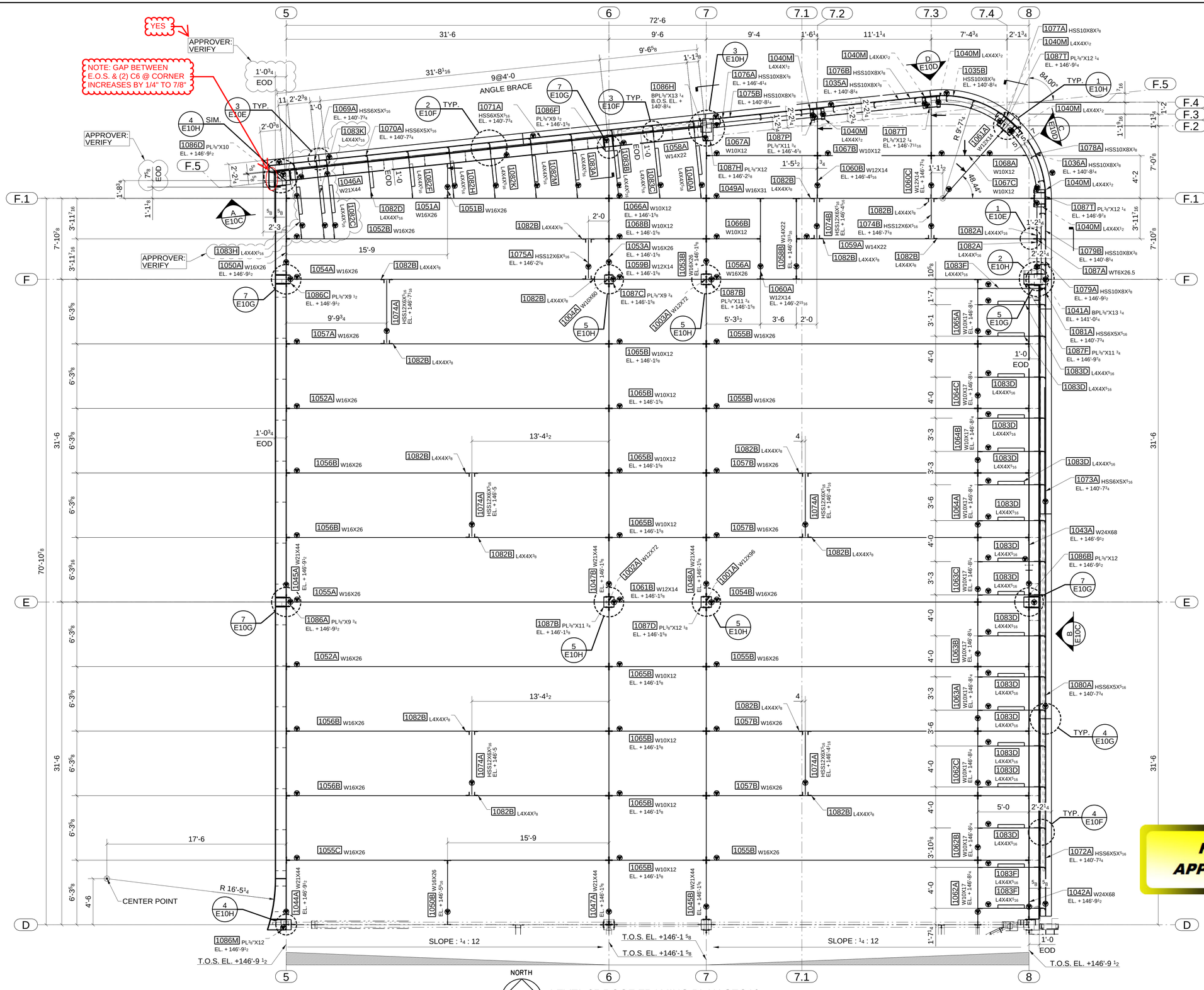
#4, (x) BELOW THE PART MARK ON FRAMING PLANS INDICATES THE NUMBER OF HEADED STUD PER BENT PLATE TO BE FIELD WELD.

FOR APPROVAL

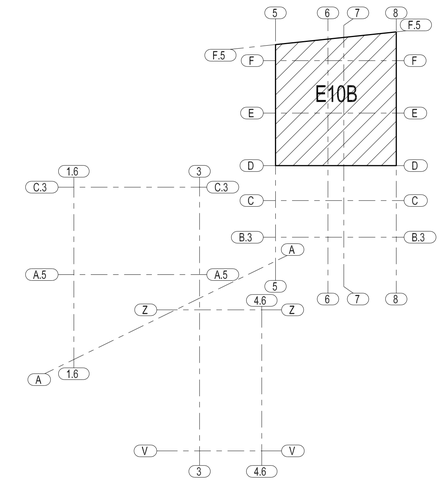
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: TLI	Date: 07/18/2016 Ckd: LJ Date: 07/29/2016
Job No.	A16013 BAT: DWG#: E10A

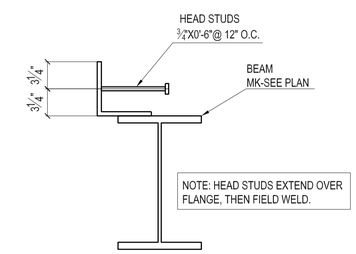
A FOR APPROVAL 07/28/16



LEVEL 05 ROOF FRAMING PLAN SEQ10
REF: S0107



KEY PLAN AT 130'-1 1/2" ~ 146'-9 1/2"



HEAD STUDS FIELD WELD DETAIL

NOTES:

#1, ▼ DENOTES FOR LOCATION OF SHIPPING MARK.
▶ INDICATES MOMENT CONNECTION.
SLOPE x : 12 ► INDICATES DIRECTION OF SLOPE DOWNWARD
INDICATES VERTICAL BRACE

#2, ALL ELEVATION SHOWN INDICATE MAIN PART TOP LEVEL.(U.N.O.)

#3, U.N.O.(——►) LOCATE THE WEB OF BEAM AT SOUTH OR WEST SIDE OF SHEAR TAB.

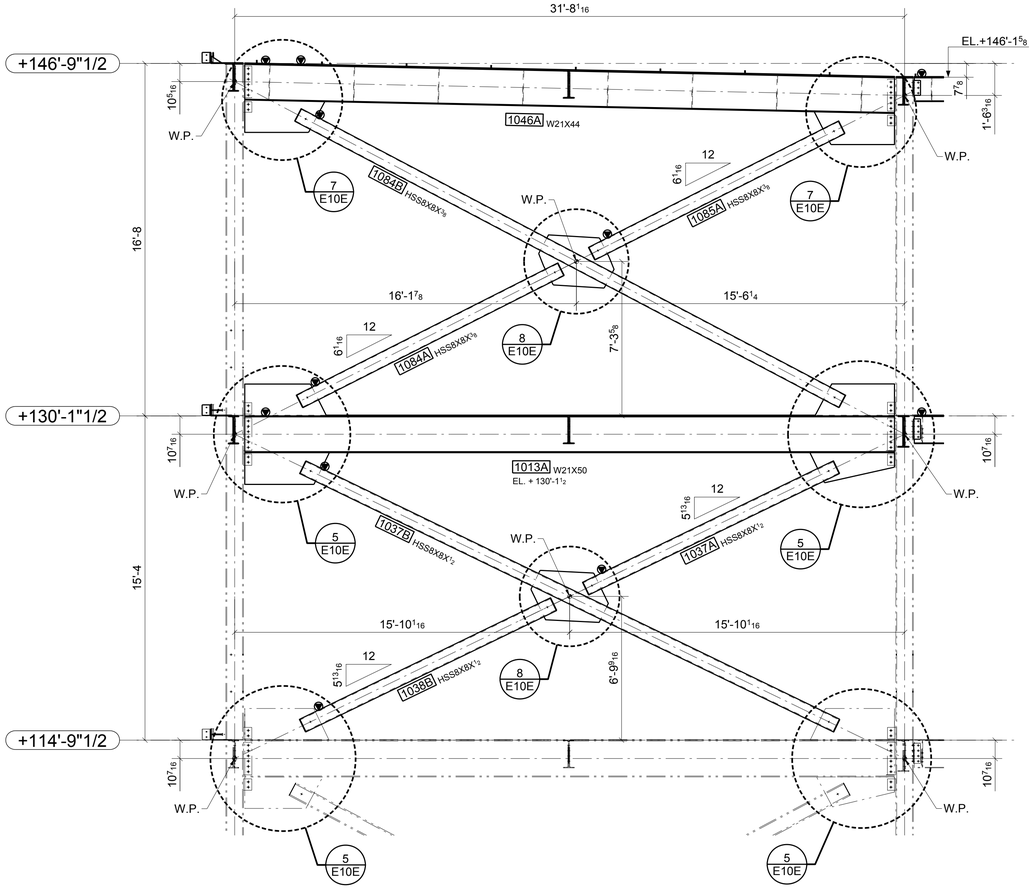
#4, (x) BELOW THE PART MARK ON FRAMING PLANS INDICATES THE NUMBER OF HEADED STUD PER BENT PLATE TO BE FIELD WELD.

FOR APPROVAL

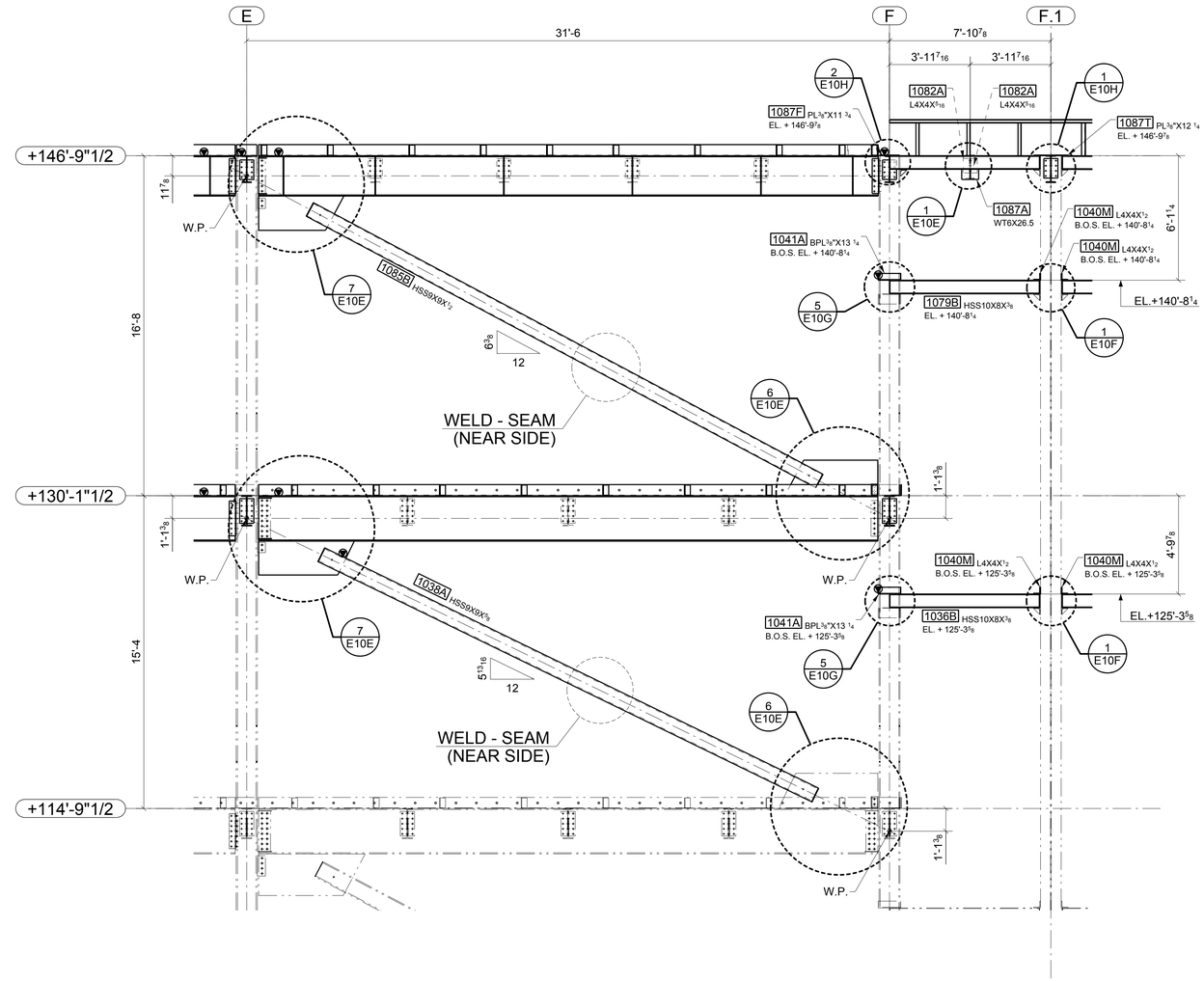
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: TLI	Date: 07/19/2016 Ckd: LJ Date: 07/29/2016
Job No.	A16013 BAT: DWG#: E10B

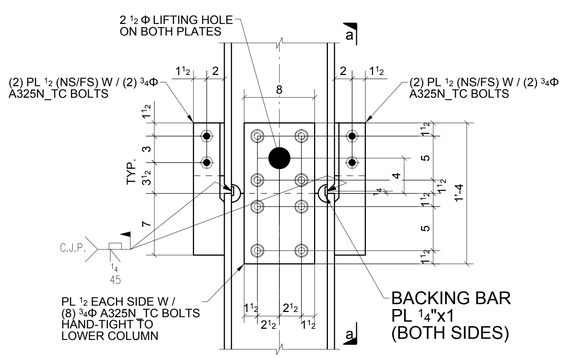
A FOR APPROVAL 07/28/16



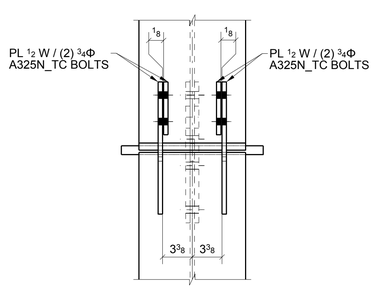
A E10B SECTION ELEVATION ON LINE F.5



B E10B SECTION ELEVATION ON LINE 8



DETAIL - A



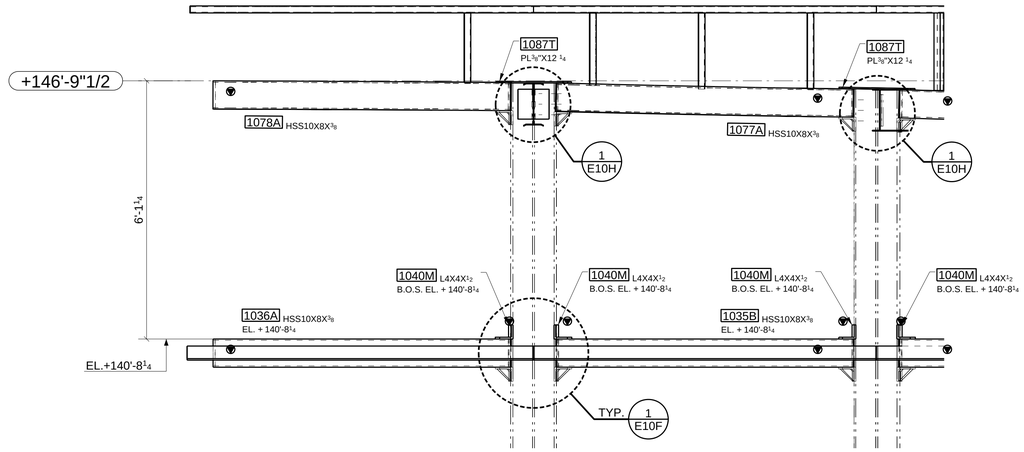
a - a

FOR APPROVAL

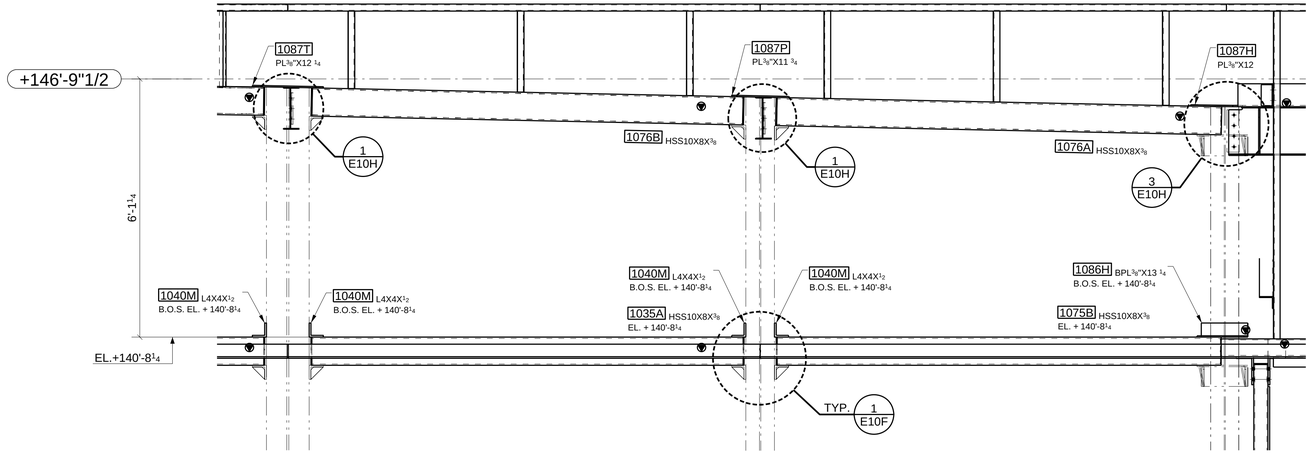
A	FOR APPROVAL	07/28/16

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 07/19/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: E10C



C E10B SECTION



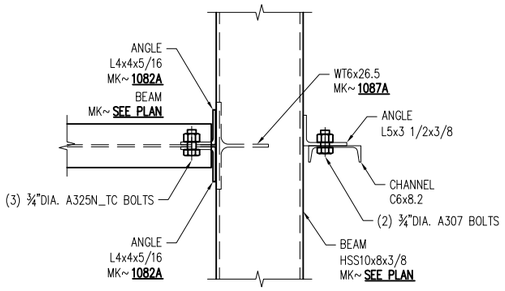
D E10B SECTION

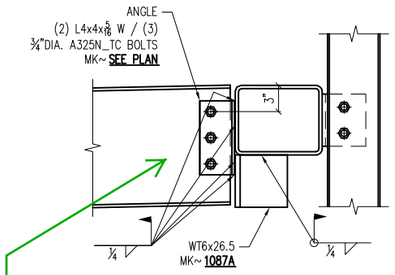
FOR APPROVAL

A	FOR APPROVAL	07/28/16			

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 07/19/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: E10D



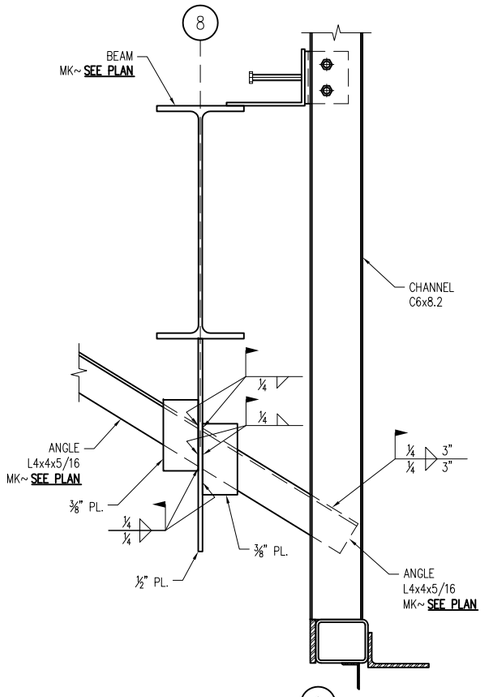


One of the conn L's & the WT should be shop welded to the tube. This is typical for conns.

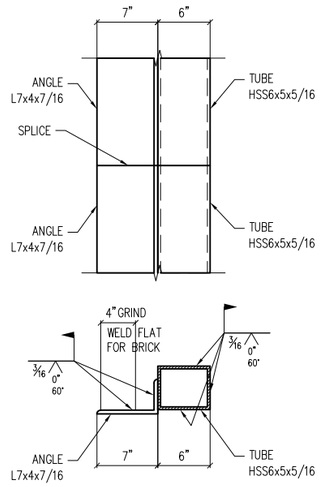
The erector has to be able to 'hang' the steel. DC/AIW

DETAIL – 1

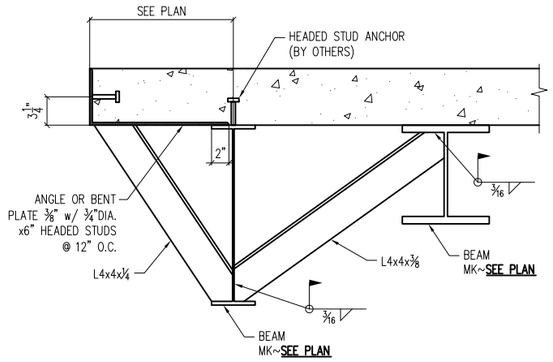
REF: 8/S0303



DETAIL – 2



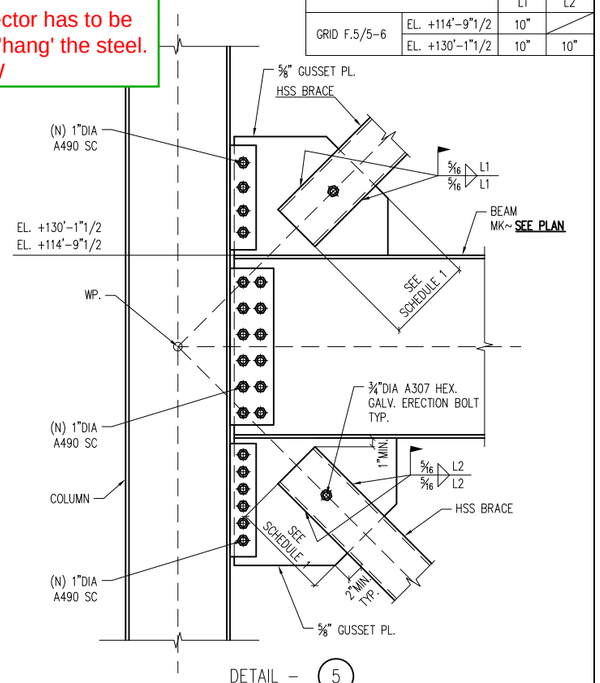
DETAIL – 3



DETAIL – 4

REF: 18/S0301

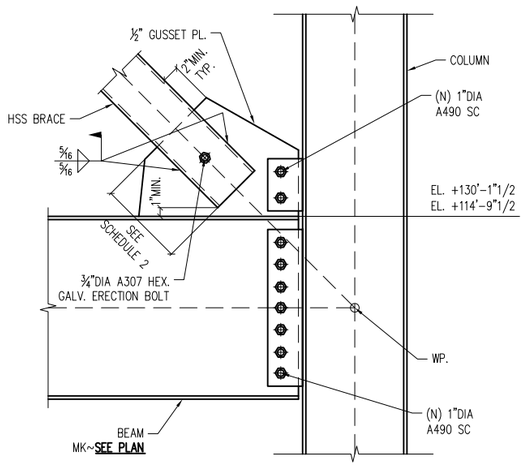
SCHEDULE 1			
LOCATION		WELD LENGTH	
		L1	L2
GRID F.5/5-6	EL. +114'-9"1/2	10"	
	EL. +130'-1"1/2	10"	10"



DETAIL – 5

REF: 4/S0304

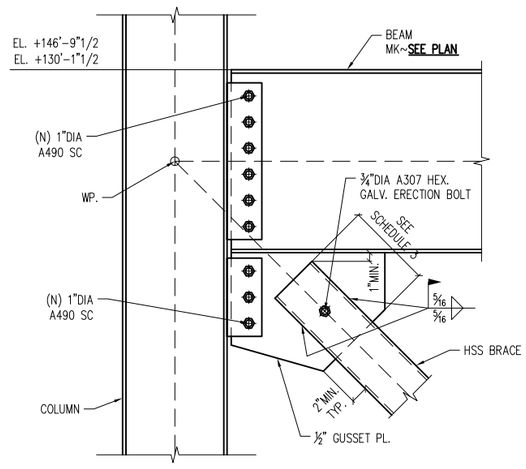
SCHEDULE 2		
LOCATION		WELD LENGTH
GRID E-F/8	EL. +114'-9"1/2	16"
	EL. +130'-1"1/2	14"



DETAIL – 6

REF: 3/S0304

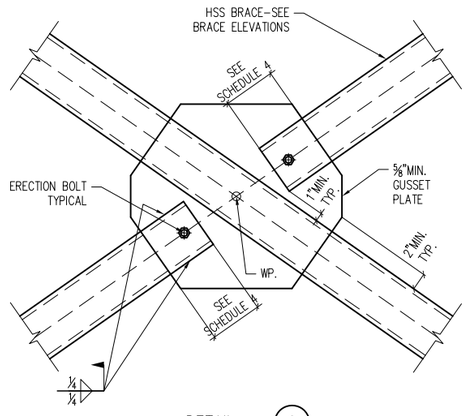
SCHEDULE 3		
LOCATION		WELD LENGTH
GRID F.5/5-6		10"
GRID E-F/8	EL. +130'-1"1/2	14"
	EL. +146'-9"1/2	14"



DETAIL – 7

REF: 2/S0304

SCHEDULE 4	
LOCATION	WELD LENGTH
GRID F.5/5-6	8"



DETAIL – 8

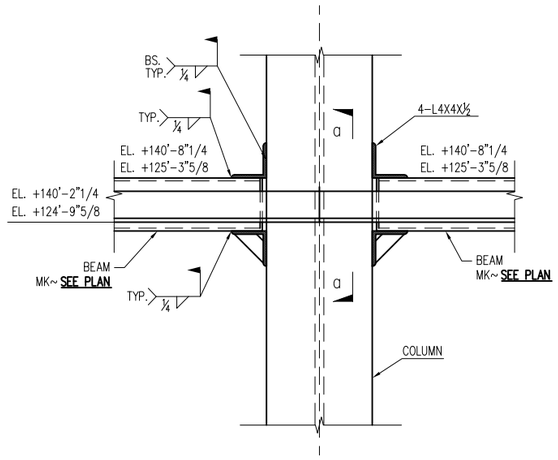
REF: 5/S0304

FOR APPROVAL

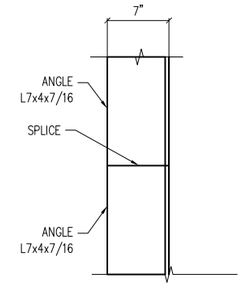
A	FOR APPROVAL	07-28-16

ATLAS IRON WORKS
ST. LOUIS, MO.

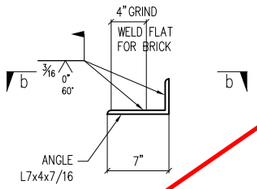
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI **Date:** 07/28/16 **Ckd:** LJ **Date:** 07/28/16
Job No. A16013 **BAT:** **DWG#:** E10E



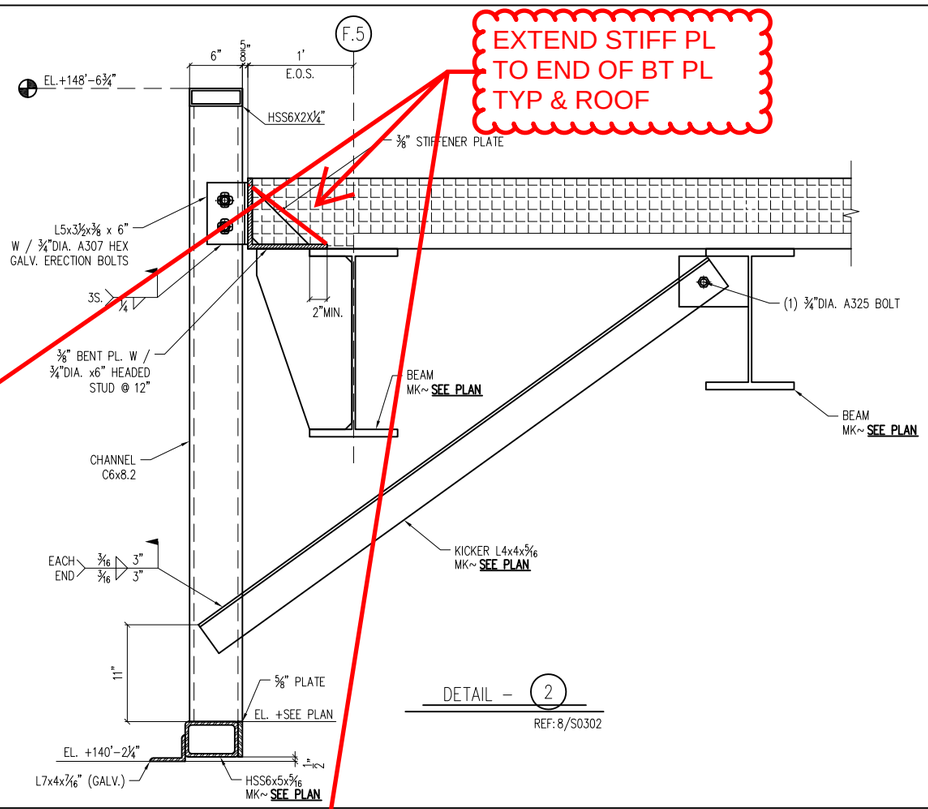
DETAIL – 1



b–b

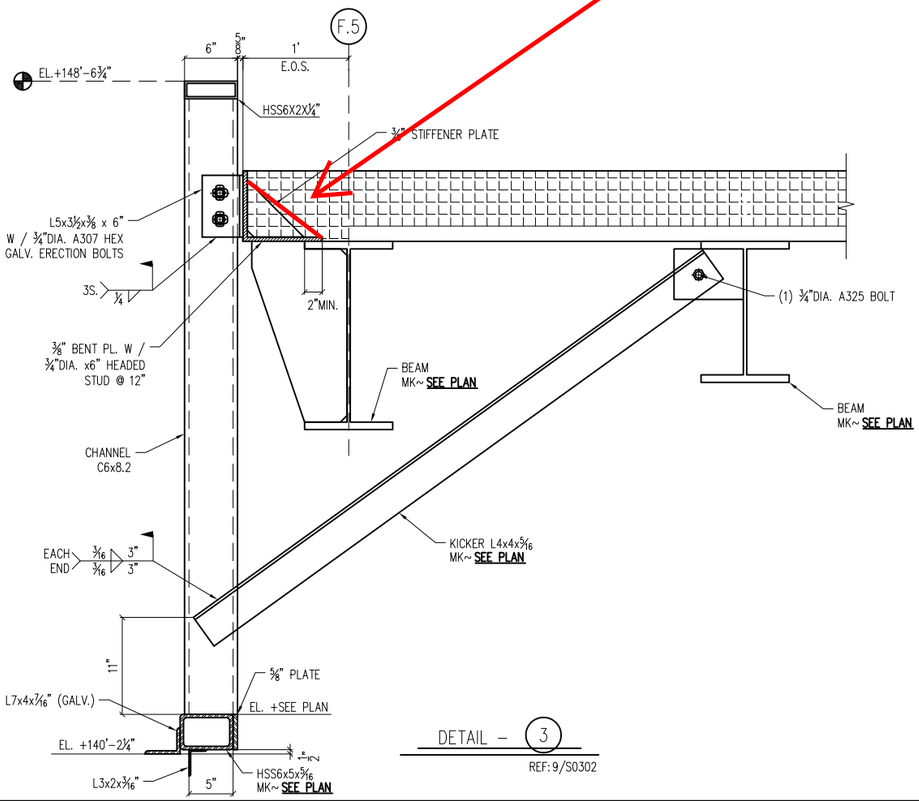


a–a



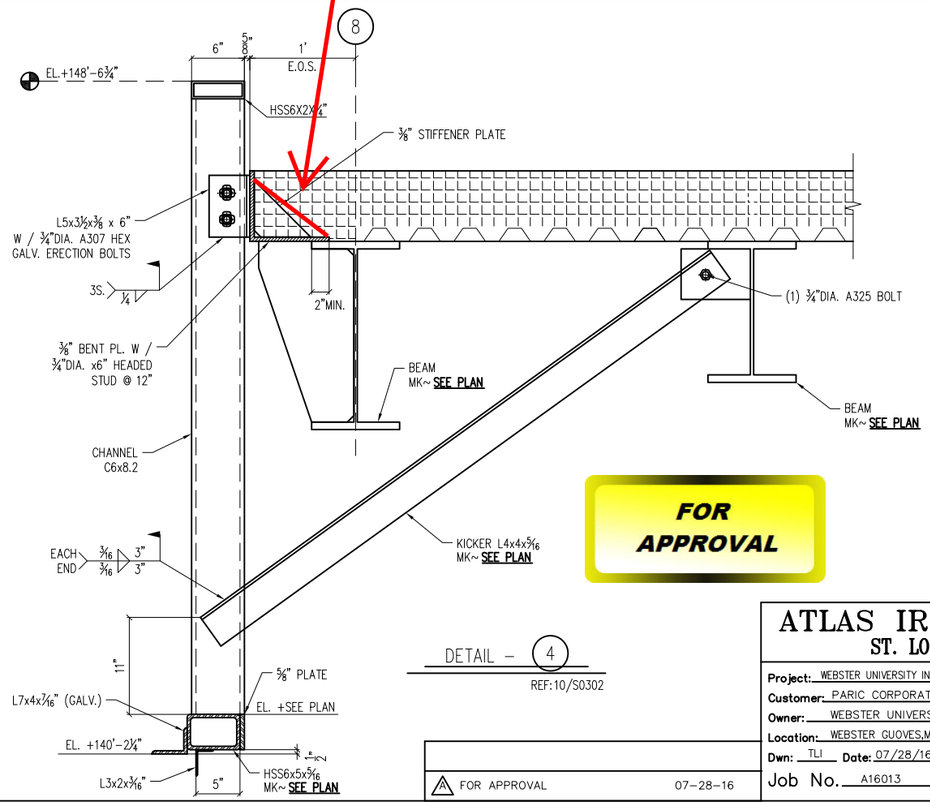
DETAIL – 2

REF:8/S0302



DETAIL – 3

REF:9/S0302



DETAIL – 4

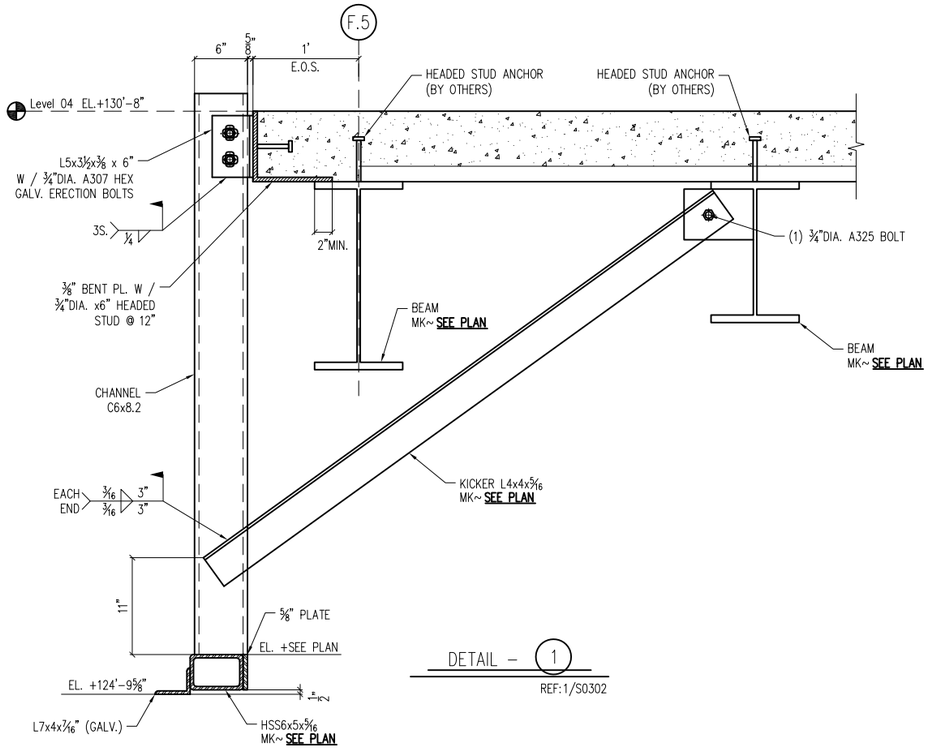
REF:10/S0302

FOR APPROVAL

1 FOR APPROVAL	07-28-16

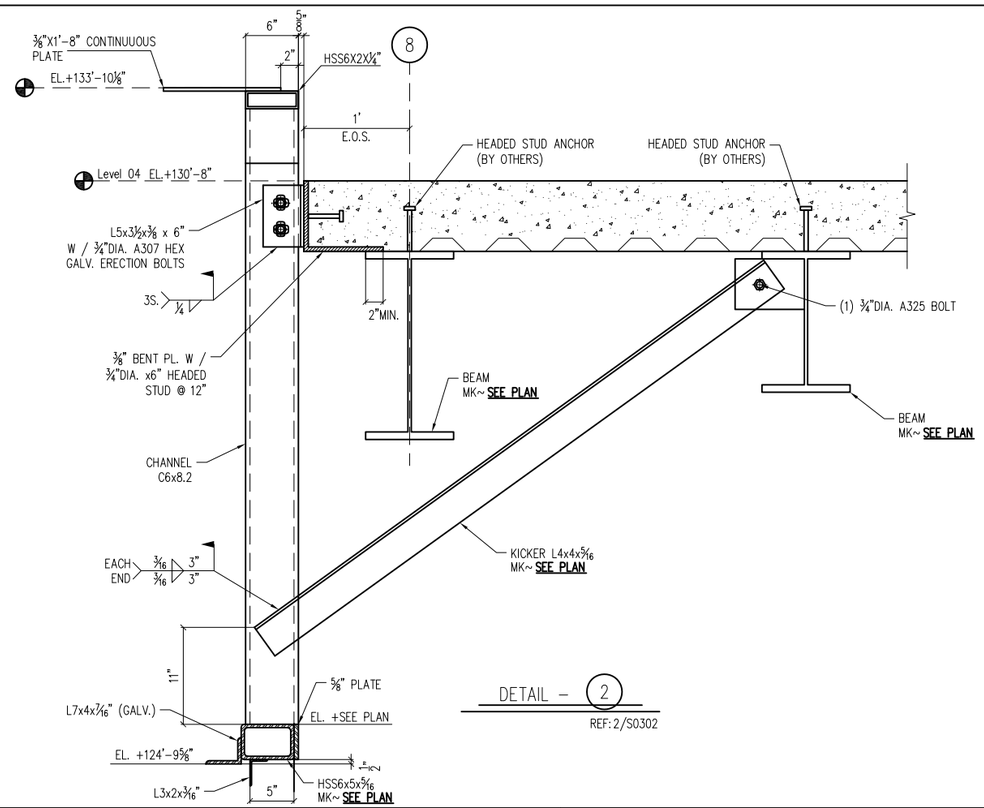
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 07/28/16 Ckd: Date: 07/28/16
Job No. A16013 BAT: DWG#: E10F



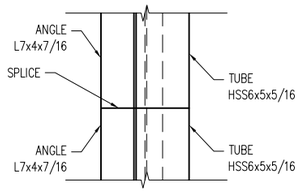
DETAIL – 1

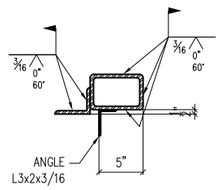
REF:1/S0302



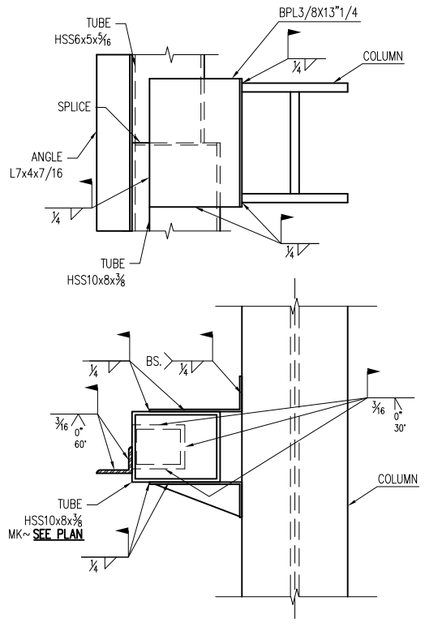
DETAIL – 2

REF:2/S0302

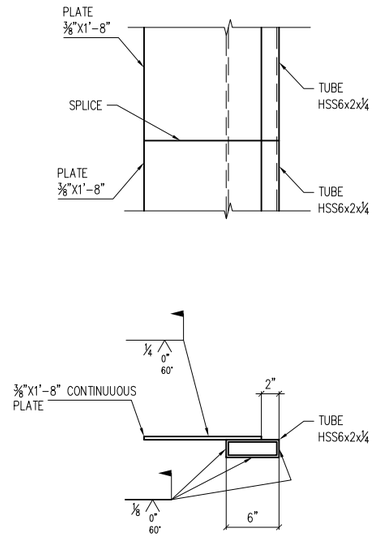




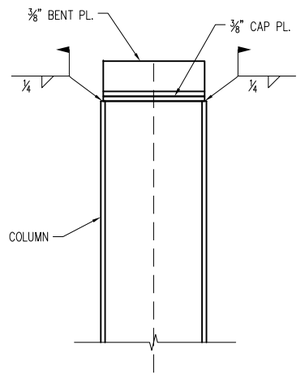
DETAIL – 4



DETAIL – 5



DETAIL – 6



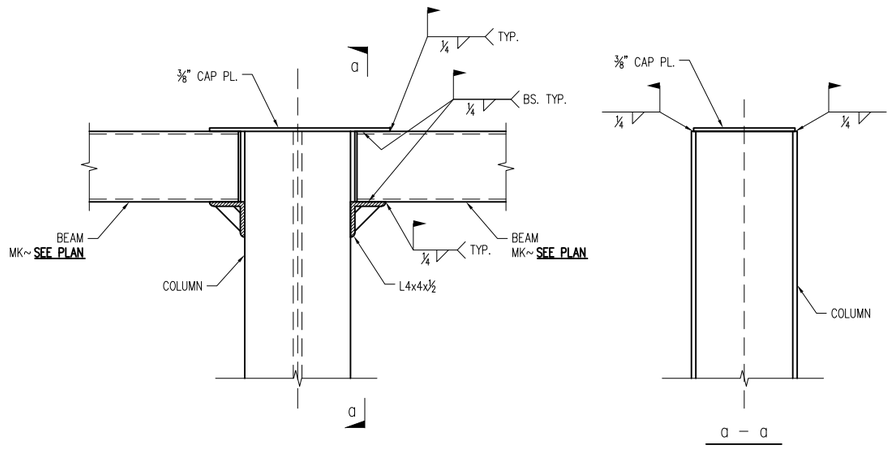
DETAIL – 7

FOR APPROVAL

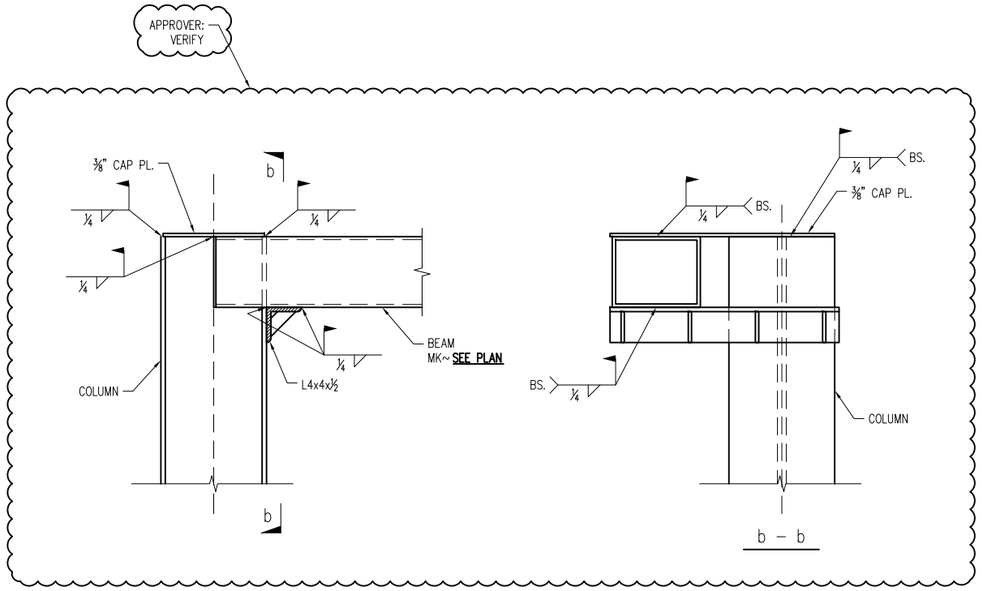
0 FOR APPROVAL	07-28-16

ATLAS IRON WORKS
ST. LOUIS, MO.

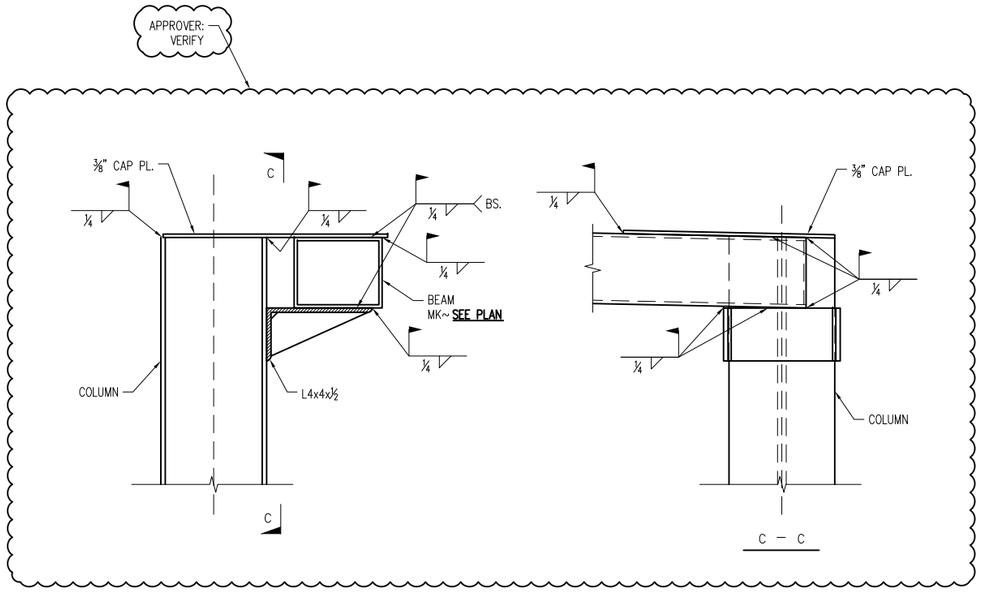
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI **Date:** 07/28/16 **Ckd:** LJ **Date:** 07/28/16
Job No. A16013 **BAT:** **DWG#:** E10G



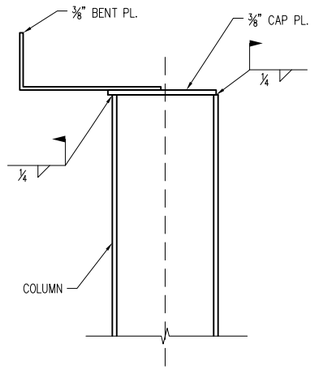
DETAIL – 1



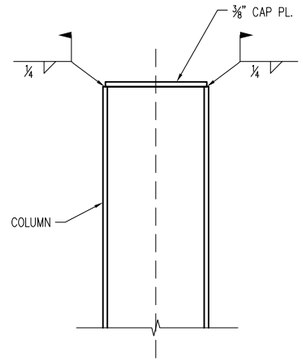
DETAIL – 2



DETAIL – 3



DETAIL – 4



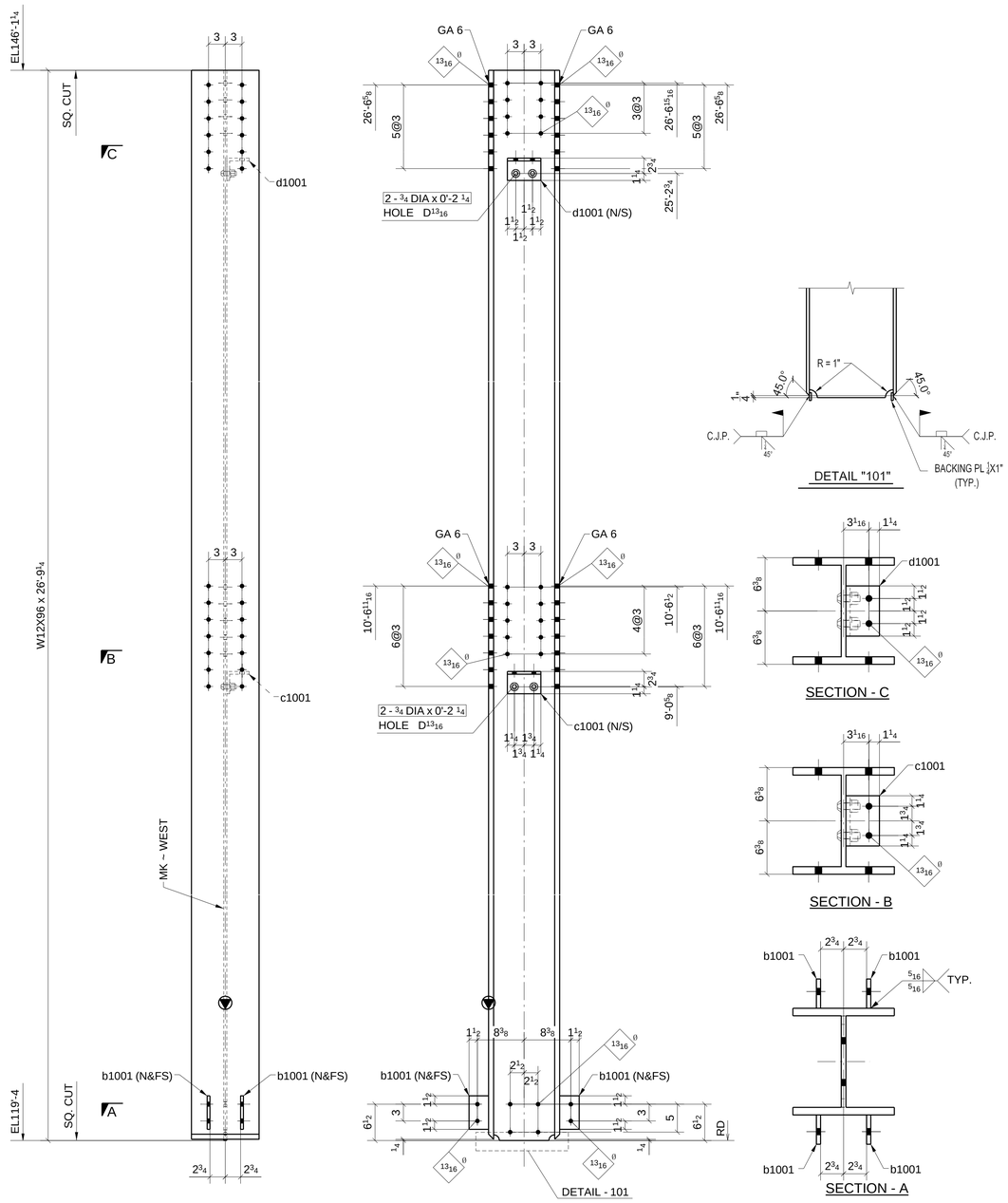
DETAIL – 5

FOR APPROVAL

A	FOR APPROVAL	07-28-16

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI **Date:** 07/28/16 **Ckd:** LJ **Date:** 07/28/16
Job No. A16013 **BAT:** **DWG#:** E10H



ONE - COLUMN ~ 1001A

LOCATION: ONE @ 7/E

(REF: E10A,E10B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

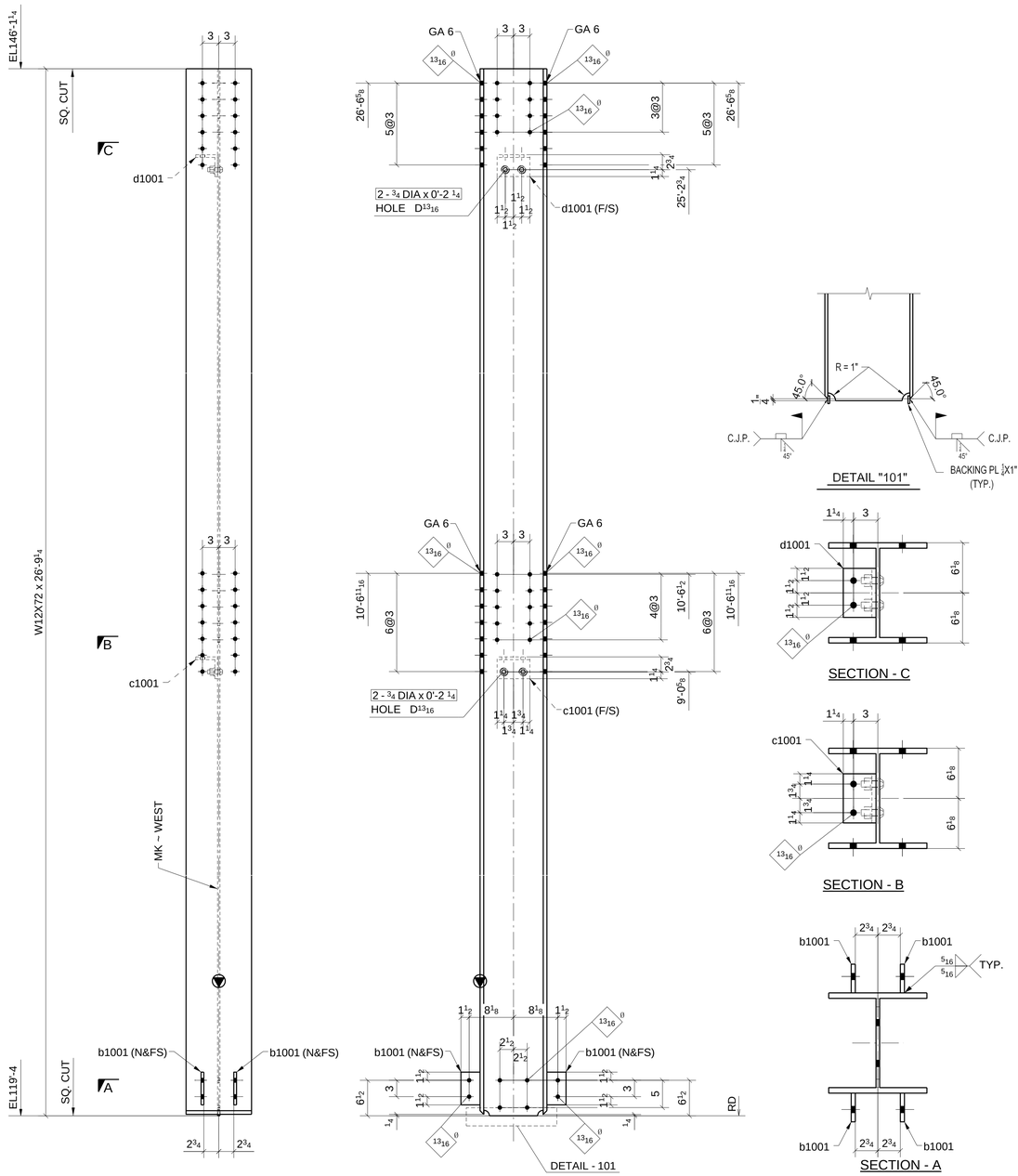
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1001A	W12X96	26'-9 1/4"	A992	
4	b1001	PL1/2"X3 1/2"	0'-6"	A36	
1	c1001	L4X4X1/2	0'-6"	A36	
1	d1001	L4X4X1/2	0'-6"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

Romac By:		Checked By:	
Beamline By:		Checked By:	

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	TLI	Date: 07/15/2016	Ckd: LJ	Date:	07/29/2016
Job No.	A16013	BAT:		DWG#:	1001



ONE - COLUMN ~ 1002A

LOCATION: ONE @ 6/E

(REF: E10A,E10B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1002A	W12X72	26'-9 1/4"	A992	
4	b1001	PL1/2"X3 1/2"	0'-6"	A36	
1	c1001	L4X4X1/2	0'-6"	A36	
1	d1001	L4X4X1/2	0'-6"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

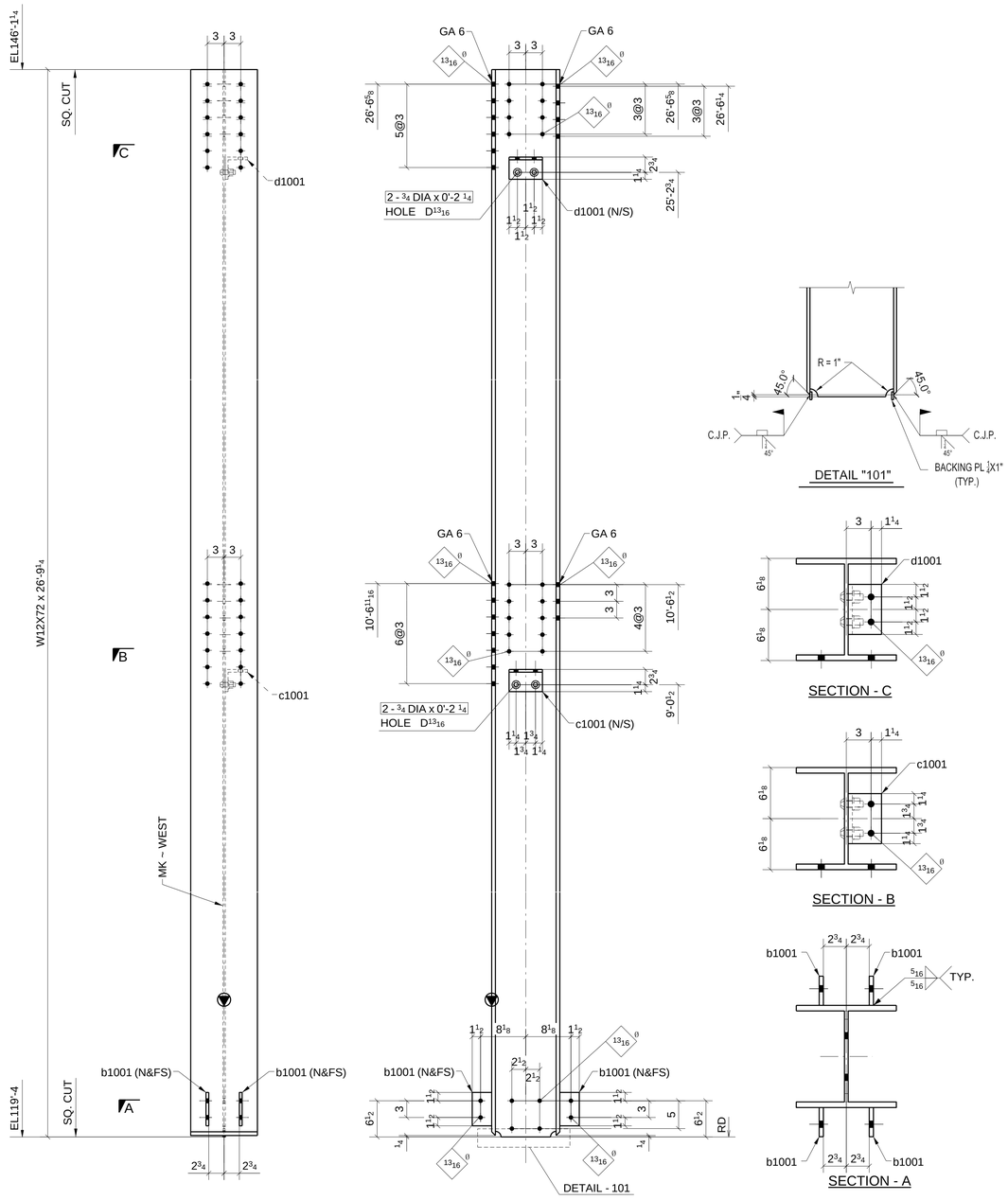
Romac By:		Checked By:	
Beamline By:		Checked By:	

A FOR APPROVAL 07/28/16

Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	TLI	Date: 07/15/2016	Ckd: LJ	Date:	07/26/2016
Job No.	A16013	BAT:		DWG#:	1002



ONE - COLUMN ~ 1003A

LOCATION: (REF: E10A,E10B)
ONE @ 7/F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

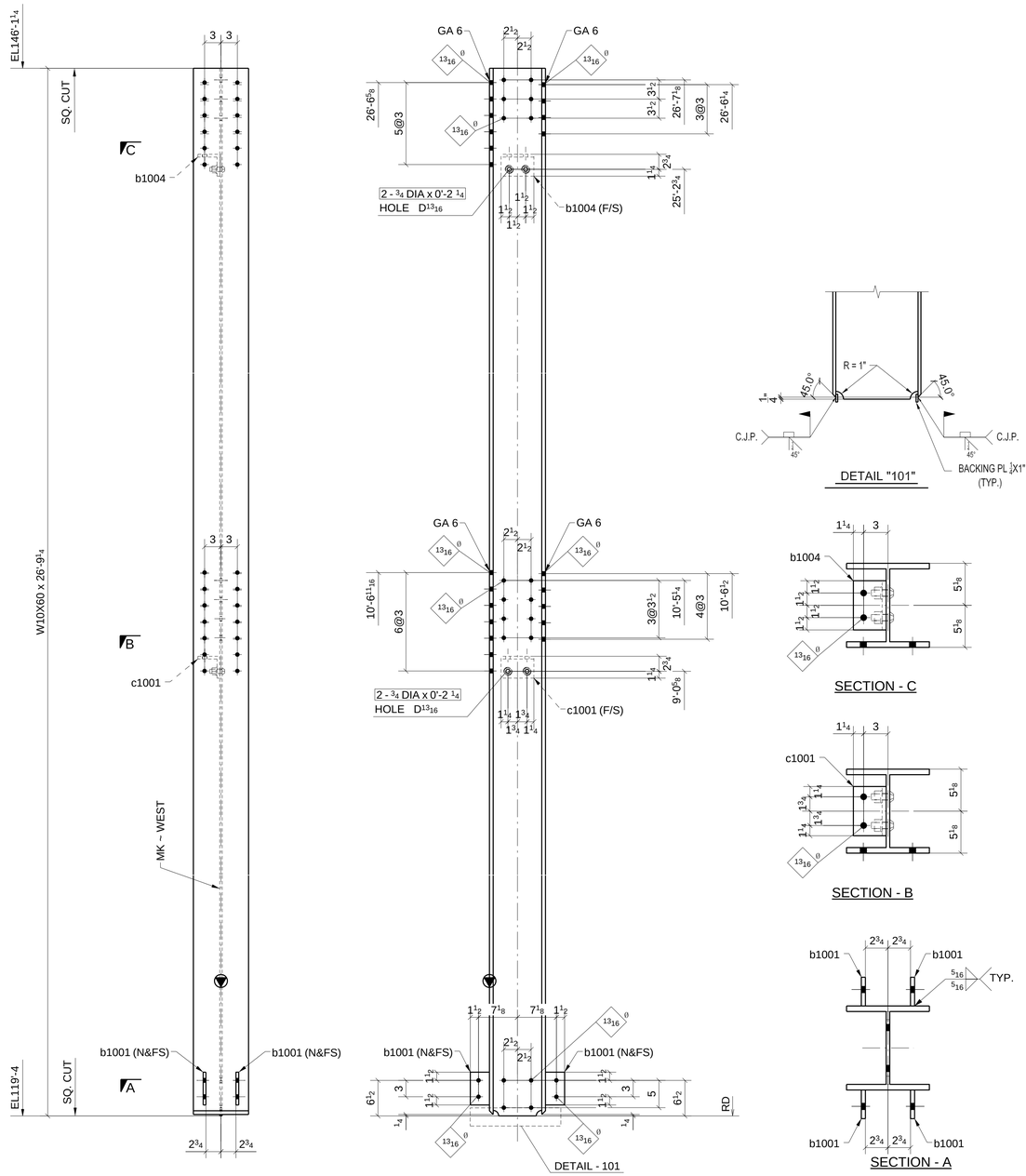
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1003A	W12X72	26'-9 1/4"	A992	
4	b1001	PL1/2"X3 1/2"	0'-6"	A36	
1	c1001	L4X4X1/2	0'-6"	A36	
1	d1001	L4X4X1/2	0'-6"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

Romac By:		Checked By:	
Beamline By:		Checked By:	

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	TLI	Date:	07/26/2016	Ckd: LJ	Date: 07/26/2016
Job No.	A16013	BAT:		DWG#:	1003



ONE - COLUMN ~ 1004A

LOCATION:
ONE @ 6/F

(REF: E10A,E10B)

DETAIL "101"

SECTION - C

SECTION - B

SECTION - A

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

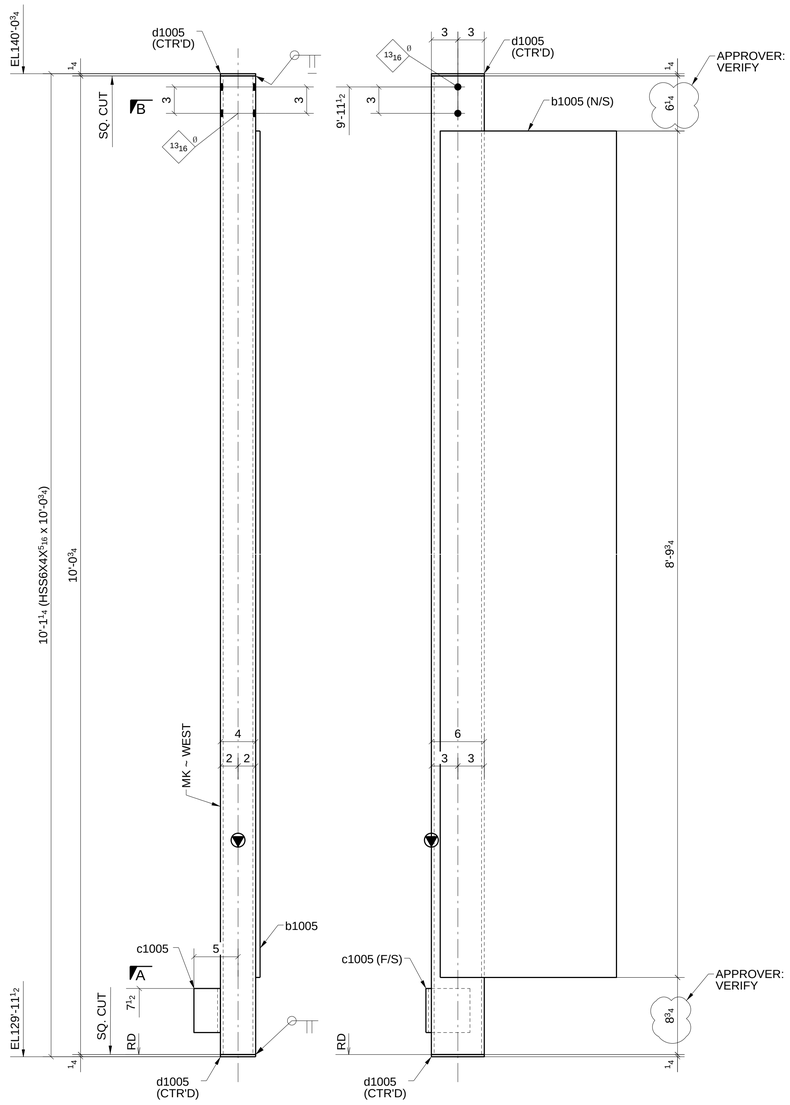
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1004A	W10X60	26'-9 1/4"	A992	
4	b1001	PL1/2"X3 1/2"	0'-6"	A36	
1	b1004	L4X4X1/2	0'-6"	A36	
1	c1001	L4X4X1/2	0'-6"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

Romac By:		Checked By:	
Beamline By:		Checked By:	

ATLAS IRON WORKS
ST. LOUIS, MO.

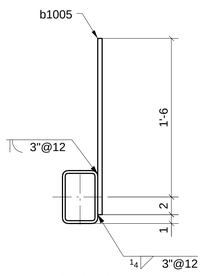
A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES,MO 63119		
Dwn: TLI	Date: 07/26/2016	Ckd: LJ	Date: 07/26/2016
Job No.	A16013	BAT:	DWG#: 1004

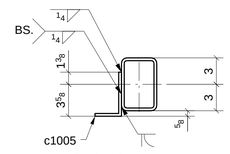


ONE - COLUMN ~ 1005A

LOCATION: (REF: E10A)
ONE @ 6/F.1>



SECTION - B



SECTION - A

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1005A	HSS6X4X5/16	10'-0 3/4"	A500-GR.B/46	
1	b1005	PL1/2"X20"	8'-9 3/4"	A36	
1	c1005	L5X3X5/16	0'-5"	A36	
2	d1005	PL1/4"X4"	0'-6"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

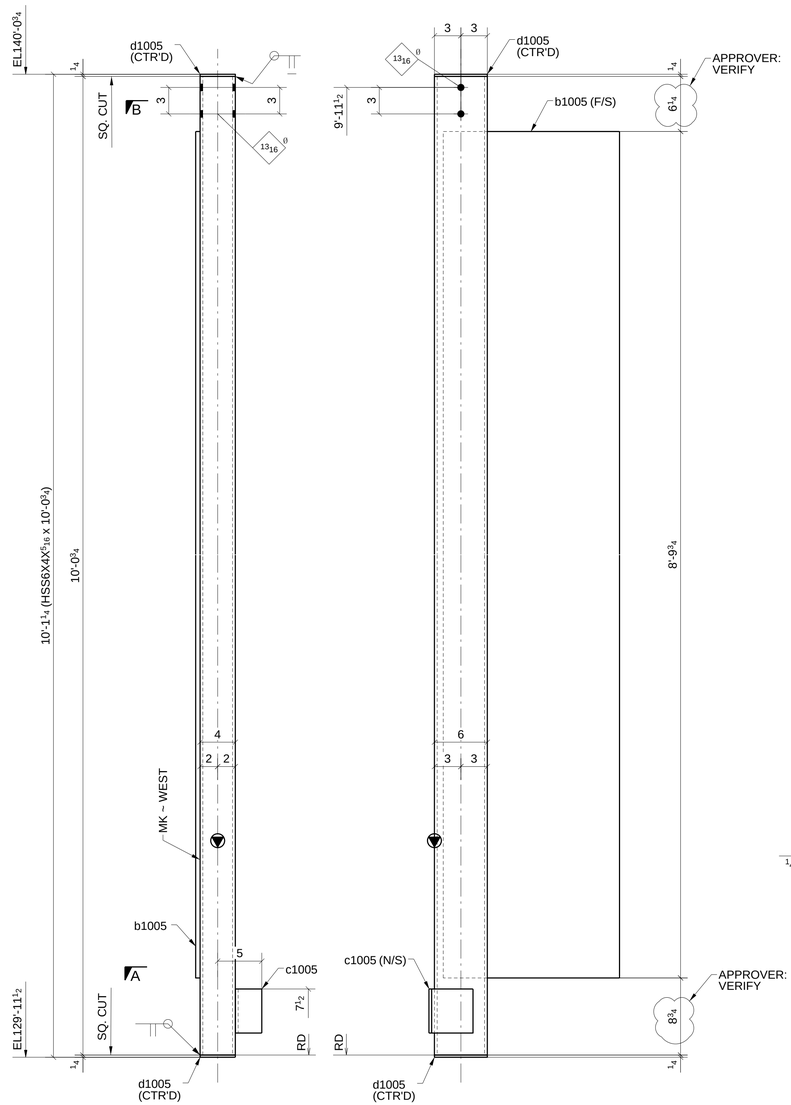
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 07/26/2016 Ckd: LJ Date: 07/26/2016

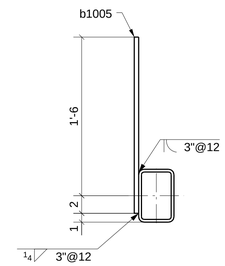
Job No. A16013 BAT: DWG#: 1005



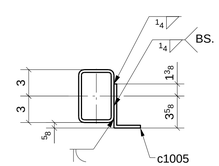
ONE - COLUMN ~ 1006A

LOCATION:
ONE @ 7/F.1>

(REF: E10A)



SECTION - B



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1006A	HSS6X4X5/16	10'-0 3/4"	A500-GR.B-46	
1	b1005	PL1/2"X20"	8'-9 3/4"	A36	
1	c1005	L5X3X5/16	0'-5"	A36	
2	d1005	PL1/4"X4"	0'-6"	A36	

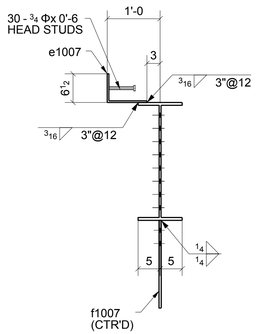
Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

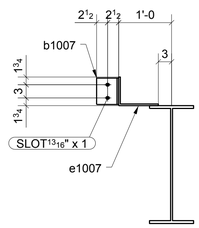
A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

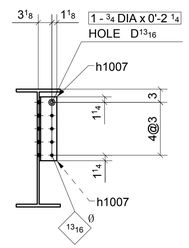
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	TLI	Date: 07/26/2016	Ckd: LJ	Date:	07/26/2016
Job No.	A16013	BAT:		DWG#:	1006



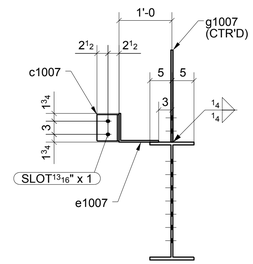
SECTION - A



SECTION - B



SECTION - C



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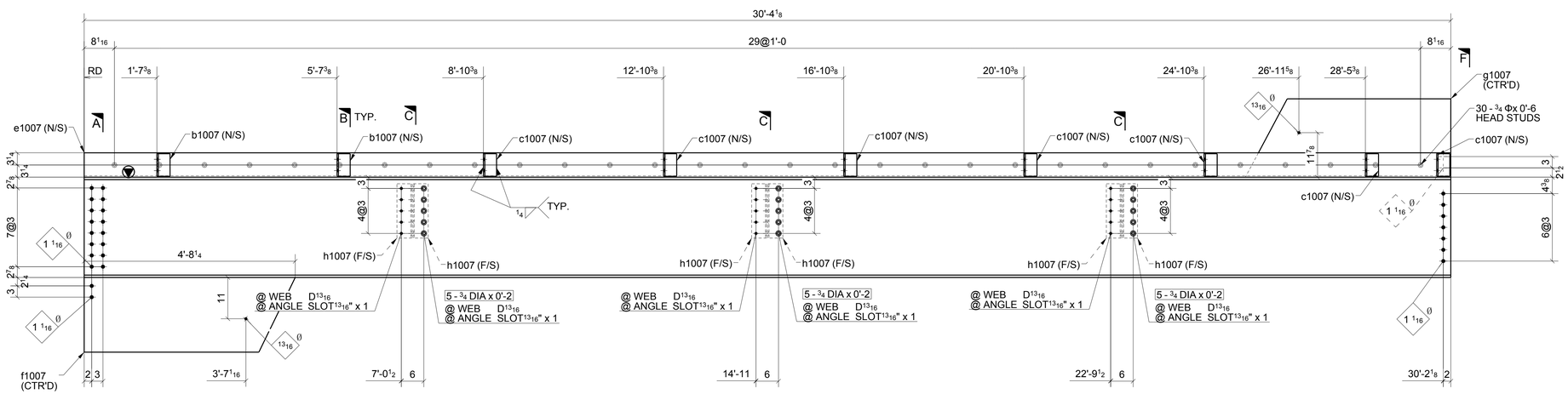


ONE - BEAM ~ 1007A

LOCATION: (REF: E10A)
ONE @ 8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1007A	W27X84	30'-4 1/8"	A992	
2	b1007	L5X3-1/2X3/8	0'-6"	A36	
7	c1007	L5X3-1/2X3/8	0'-6"	A36	
1	e1007	BPL3/8"X15 1/2"	30'-4 1/8"	A36	
1	f1007	PL1/2"X19 15/16"	4'-8 1/4"	A572-GR.50	
1	g1007	PL1/2"X20 7/8"	4'-6 3/4"	A572-GR.50	
6	h1007	L4X4X5/16	1'-2 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
15		3/4" DIA. W/N&W	0'-2"	A325N_TC	
30		3/4" STUD	0'-6"		

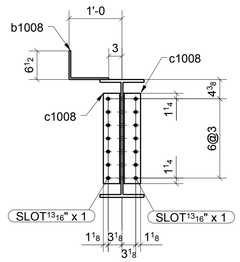
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

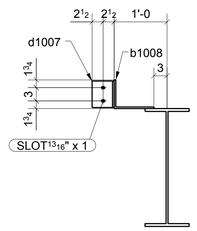
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

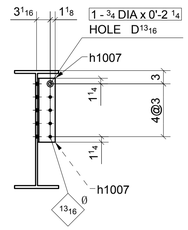
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1007



SECTION - A



SECTION - B



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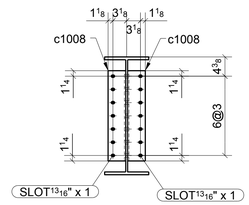

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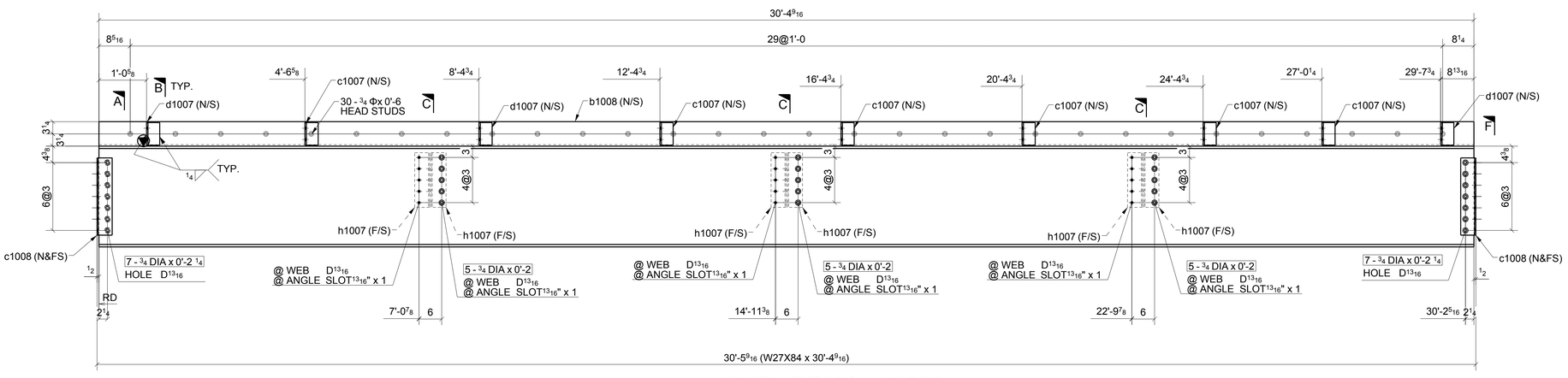


ONE - BEAM ~ 1008A

LOCATION:
ONE @ 8/D-E

(REF: E10A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1008A	W27X84	30'-4 9/16"	A992	
1	b1008	BPL3/8"X15 1/2"	30'-4 9/16"	A36	
6	c1007	L5X3-1/2X3/8	0'-6"	A36	
4	c1008	L4X4X5/16	1'-8 1/2"	A36	
3	d1007	L5X3-1/2X3/8	0'-6"	A36	
6	h1007	L4X4X5/16	1'-2 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
15		3/4" DIA. W/N&W	0'-2"	A325N_TC	
30		3/4" STUD	0'-6"		

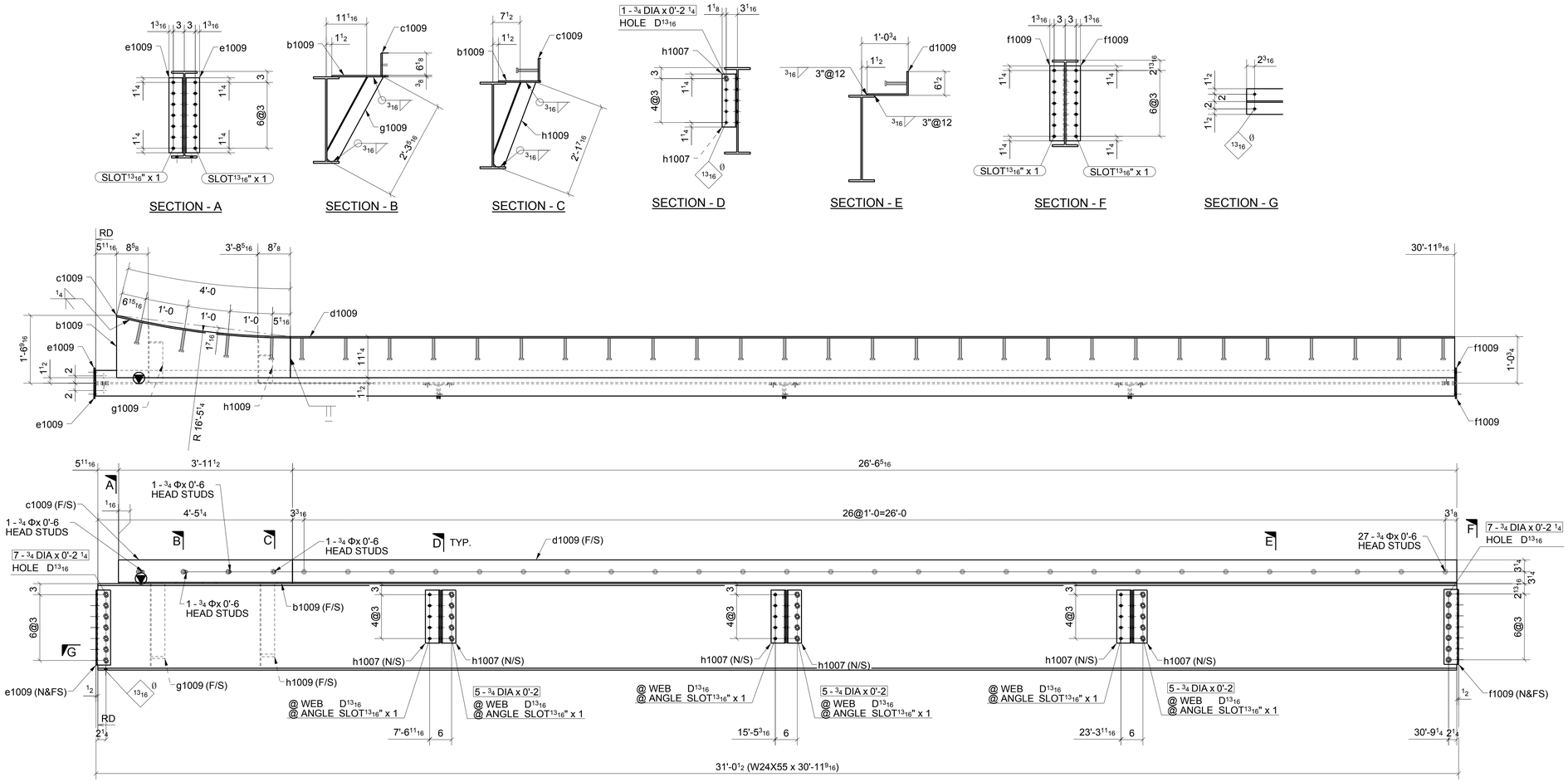
Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1008



ONE - BEAM ~ 1009A

LOCATION: (REF: E10A)
ONE @ 5/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1009A	W24X55	30'-11 9/16"	A992	
1	b1009	PL3/8"X17 1/16"	3'-11 1/2"	A36	
1	c1009	BPL3/8"X6 1/8"	4'-0 1/16"	A36	
1	d1009	BPL3/8"X17 3/4"	26'-6 5/16"	A36	
2	e1009	L4X4X5/16	1'-8 1/2"	A36	
2	f1009	L4X4X5/16	1'-8 1/2"	A36	
1	g1009	L4X4X1/4	2'-3 5/16"	A36	
6	h1007	L4X4X5/16	1'-2 1/2"	A36	
1	h1009	L4X4X1/4	2'-1 7/16"	A36	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
15		3/4" DIA. W/N&W	0'-2"	A325N_TC	
27		3/4" STUD	0'-6"		
4		3/4" STUD	0'-6"		

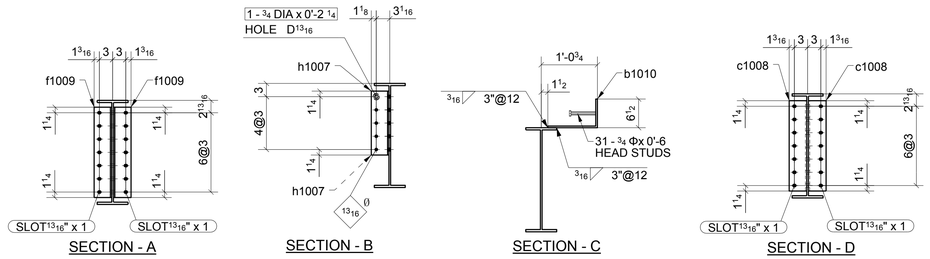
Romac By: Checked By:
Beamline By: Checked By:

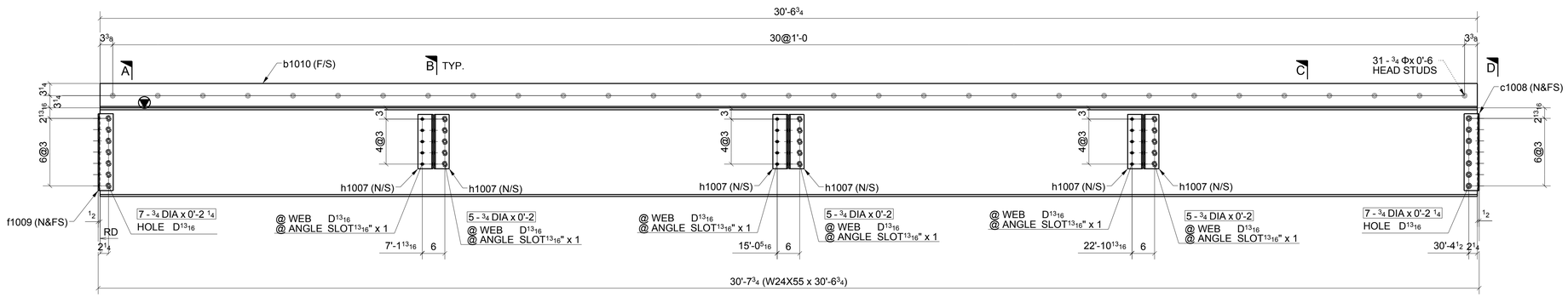
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

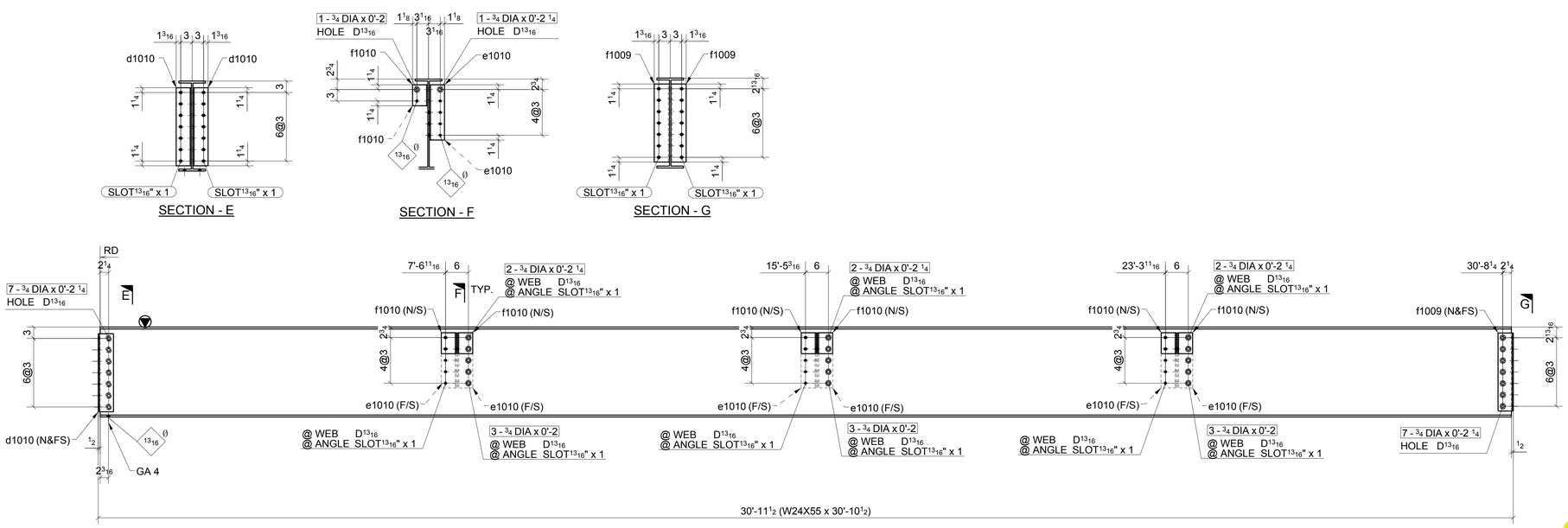
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1009





ONE - BEAM ~ 1010A

LOCATION: (REF: E10A)
ONE @ 5/E-F



ONE - BEAM ~ 1010B

LOCATION: (REF: E10A)
ONE @ 6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1010A	W24X55	30'-6 3/4"	A992	
1	b1010	BPL3/8"X17 3/4"	30'-6 3/4"	A36	
2	c1008	L4X4X5/16	1'-8 1/2"	A36	
2	f1009	L4X4X5/16	1'-8 1/2"	A36	
6	h1007	L4X4X5/16	1'-2 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
15		3/4" DIA. W/N&W	0'-2"	A325N_TC	
31		3/4" STUD	0'-6"		
1	1010B	W24X55	30'-10 1/2"	A992	
2	d1010	L4X4X5/16	1'-8 1/2"	A36	
6	e1010	L4X4X5/16	1'-2 1/2"	A36	
2	f1009	L4X4X5/16	1'-8 1/2"	A36	
6	f1010	L4X4X5/16	0'-5 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
6		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
9		3/4" DIA. W/N&W	0'-2"	A325N_TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

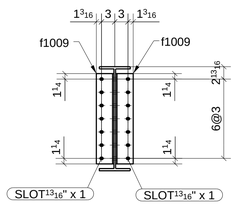
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

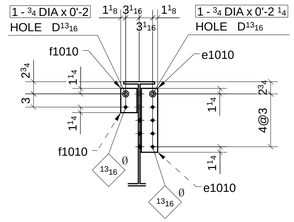
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1010



SECTION - A



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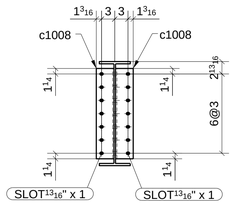
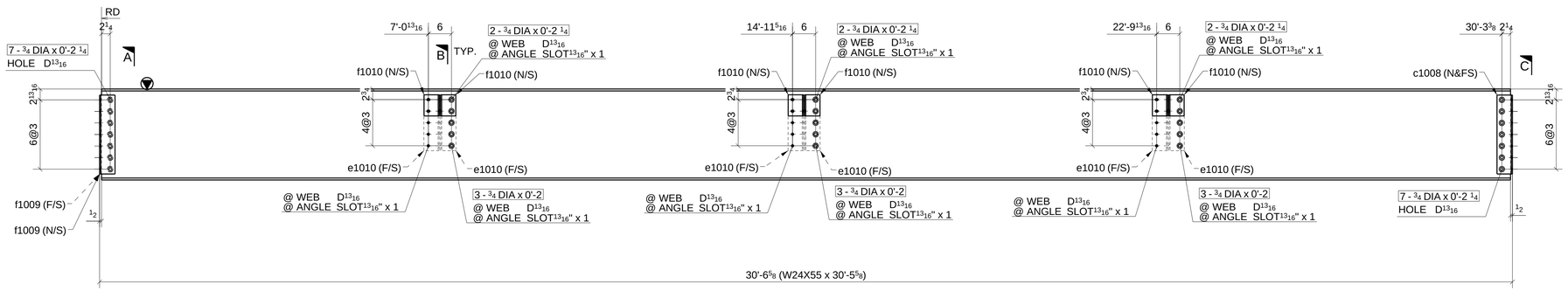
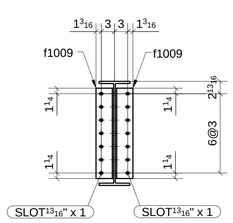


SECTION - C

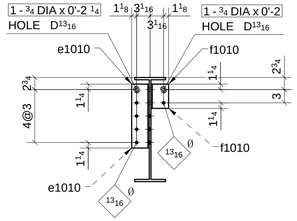


ONE - BEAM ~ 1011A

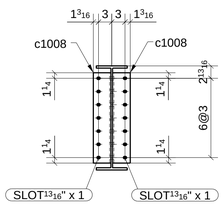
LOCATION: (REF: E10A)
ONE @ 6/E-F



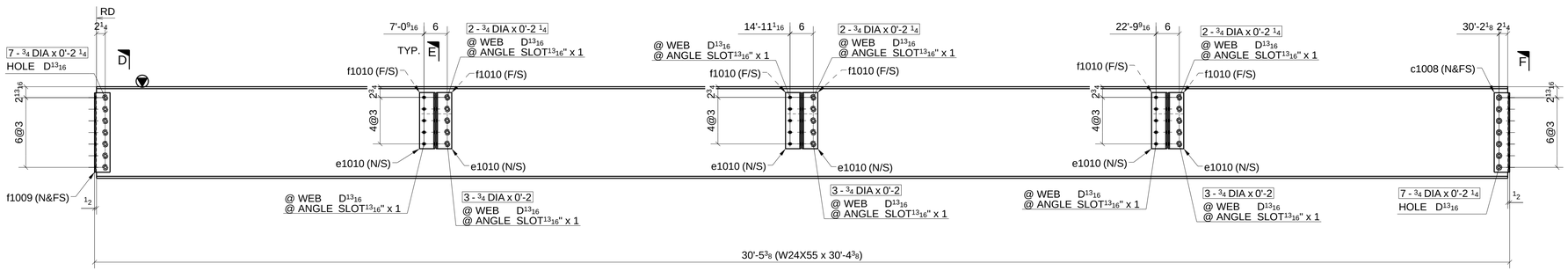
SECTION - D



SECTION - E



SECTION - F



ONE - BEAM ~ 1011B

LOCATION: (REF: E10A)
ONE @ 7/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1011A	W24X55	30'-5 5/8"	A992	
2	c1008	L4X4X5/16	1'-8 1/2"	A36	
6	e1010	L4X4X5/16	1'-2 1/2"	A36	
2	f1009	L4X4X5/16	1'-8 1/2"	A36	
6	f1010	L4X4X5/16	0'-5 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
6		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
9		3/4" DIA. W/N&W	0'-2"	A325N TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
1	1011B	W24X55	30'-4 3/8"	A992	
2	c1008	L4X4X5/16	1'-8 1/2"	A36	
6	e1010	L4X4X5/16	1'-2 1/2"	A36	
2	f1009	L4X4X5/16	1'-8 1/2"	A36	
6	f1010	L4X4X5/16	0'-5 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
6		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
9		3/4" DIA. W/N&W	0'-2"	A325N TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	

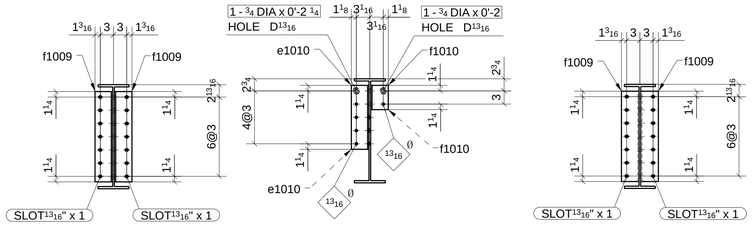
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

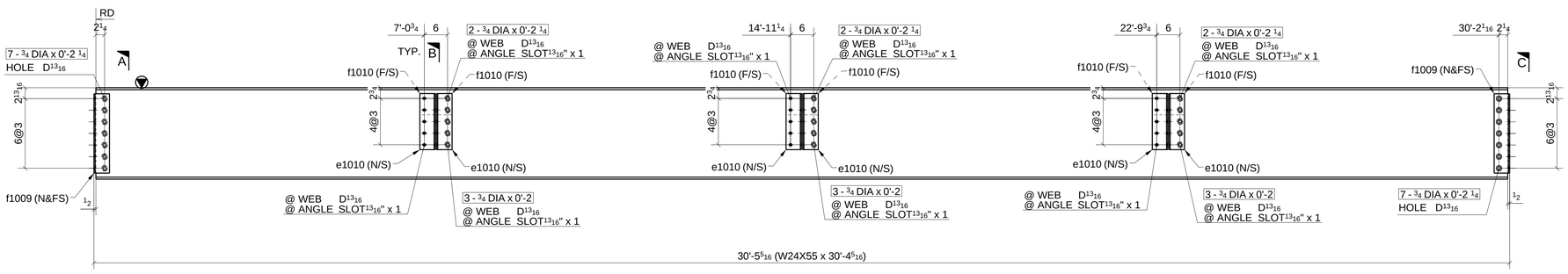
Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1011



SECTION - A SECTION - B SECTION - C



ONE - BEAM ~ 1012A

LOCATION: (REF: E10A)
ONE @ 7/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1012A	W24X55	30'-4 5/16"	A992	
6	e1010	L4X4X5/16	1'-2 1/2"	A36	
4	f1009	L4X4X5/16	1'-8 1/2"	A36	
6	f1010	L4X4X5/16	0'-5 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
6		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
9		3/4" DIA. W/N&W	0'-2"	A325N_TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

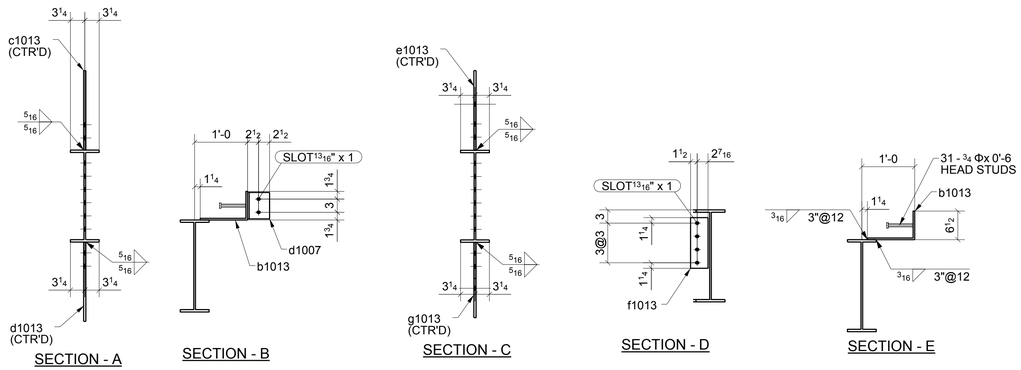
Romac By: Checked By:
Beamline By: Checked By:

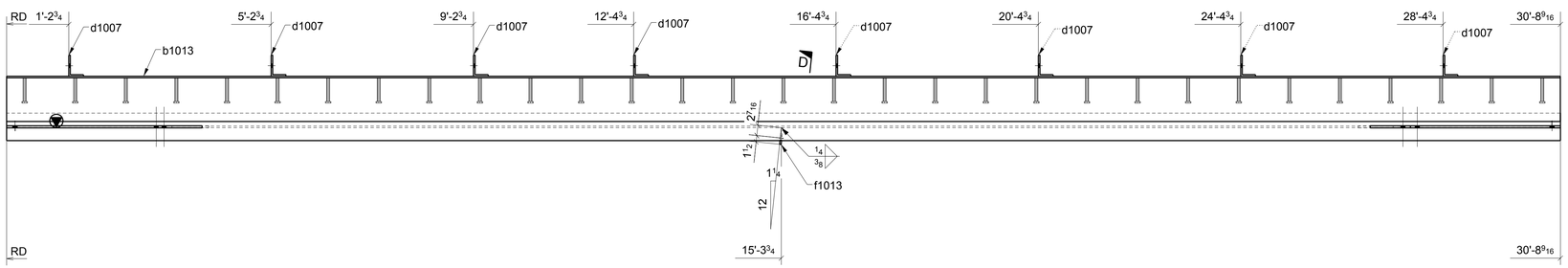
A FOR APPROVAL 07/28/16

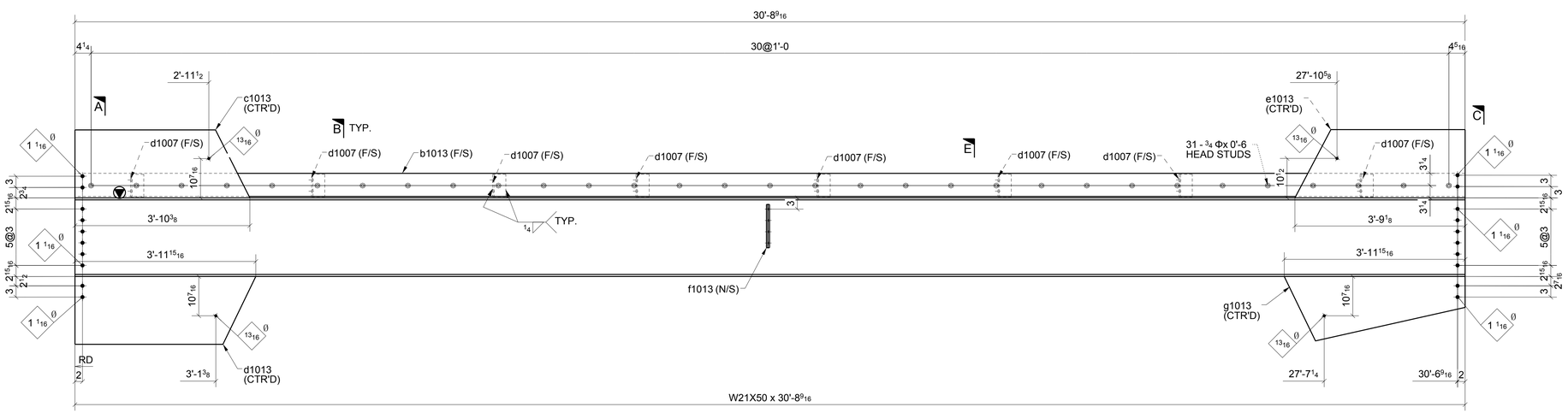
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1012







ONE - BEAM ~ 1013A

LOCATION: (REF: E10A)
ONE @ 5-6/F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1013A	W21X50	30'-8 9/16"	A992	
1	b1013	BPL3/8"X17 1/4"	30'-8 9/16"	A36	
1	c1013	PL1/2"X18 1/16"	3'-10 3/8"	A572-GR.50	
8	d1007	L5X3-1/2X3/8	0'-6"	A36	
1	d1013	PL1/2"X18"	3'-11 15/16	A572-GR.50	
1	e1013	PL1/2"X18 1/8"	3'-9 1/8"	A572-GR.50	
1	f1013	PL3/8"X3 15/16"	0'-11 1/2"	A36	
1	g1013	PL1/2"X17 1/8"	3'-11 15/16	A572-GR.50	
31		3/4" STUD	0'-6"		

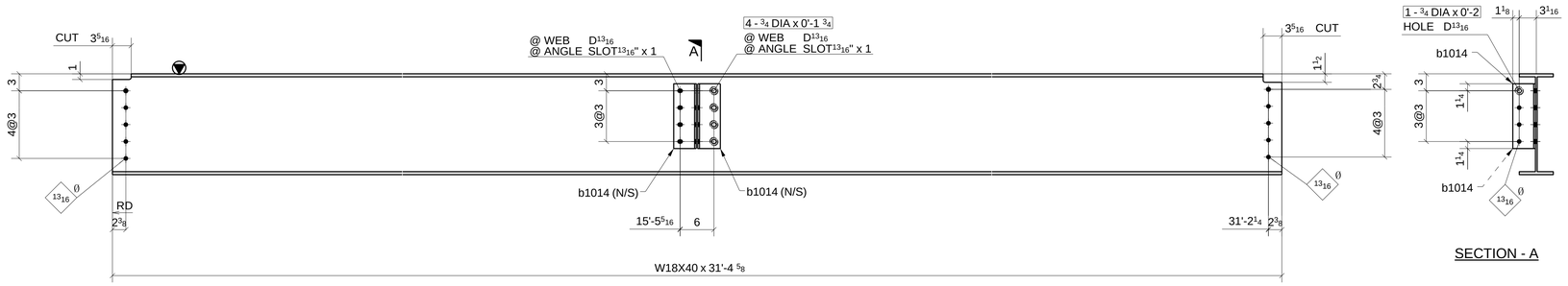
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

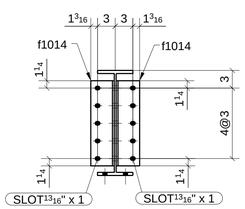
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1013



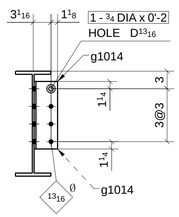
SECTION - A

ONE - BEAM ~ 1014A

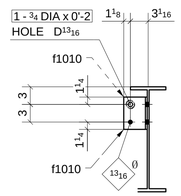
LOCATION: (REF: E10A)
ONE @ 5-6/D-E



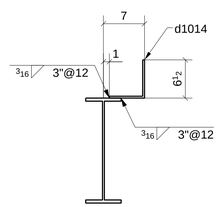
SECTION - B



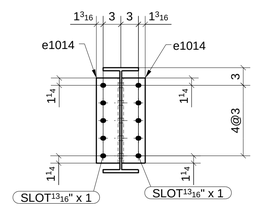
SECTION - C



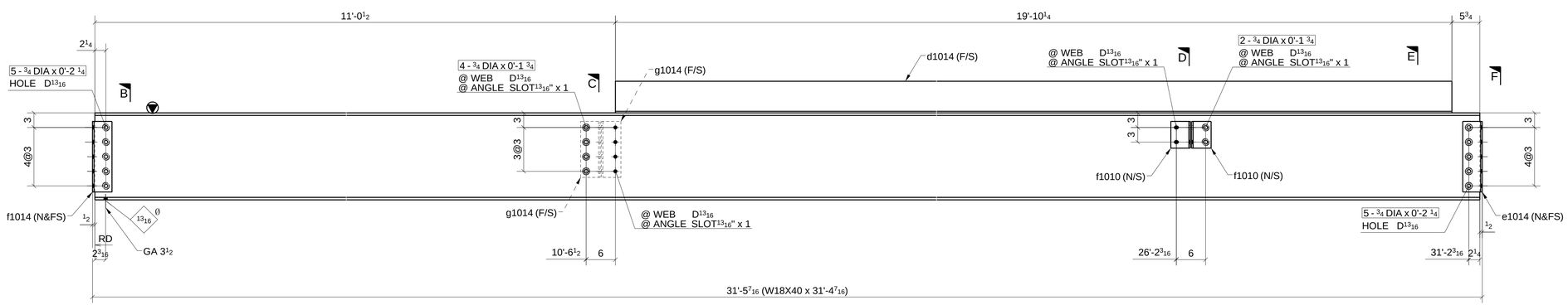
SECTION - D



SECTION - E



SECTION - F



ONE - BEAM ~ 1014B

LOCATION: (REF: E10A)
ONE @ 7-8/F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1014A	W18X40	31'-4 5/8"	A992	
2	b1014	L4X4X5/16	0'-11 1/2"	A36	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	
1	1014B	W18X40	31'-4 7/16"	A992	
1	d1014	BPL5/16"X12 1/2"	19'-10 1/4"	A36	
2	e1014	L4X4X5/16	1'-2 1/2"	A36	
2	f1010	L4X4X5/16	0'-5 1/2"	A36	
2	f1014	L4X4X5/16	1'-2 1/2"	A36	
2	g1014	L4X4X5/16	0'-11 1/2"	A36	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

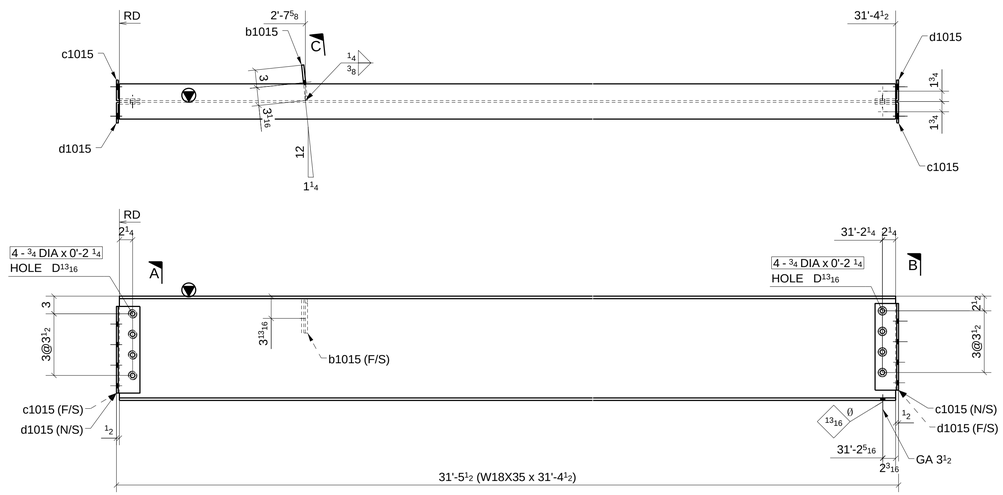
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

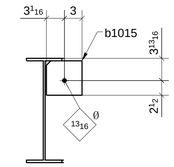
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1014

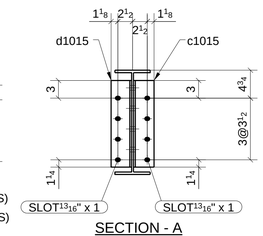


ONE - BEAM ~ 1015A

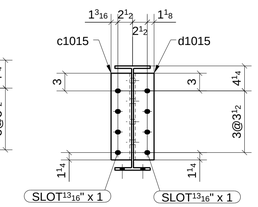
LOCATION: (REF: E10A)
ONE @ 5-6/F



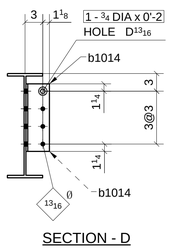
SECTION - C



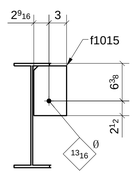
SECTION - A



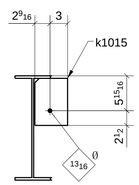
SECTION - B



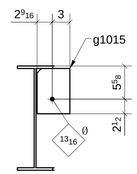
SECTION - D



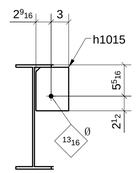
SECTION - E



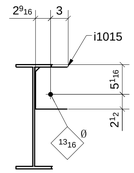
SECTION - F



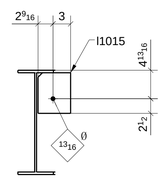
SECTION - G



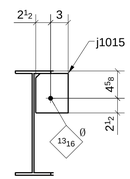
SECTION - H



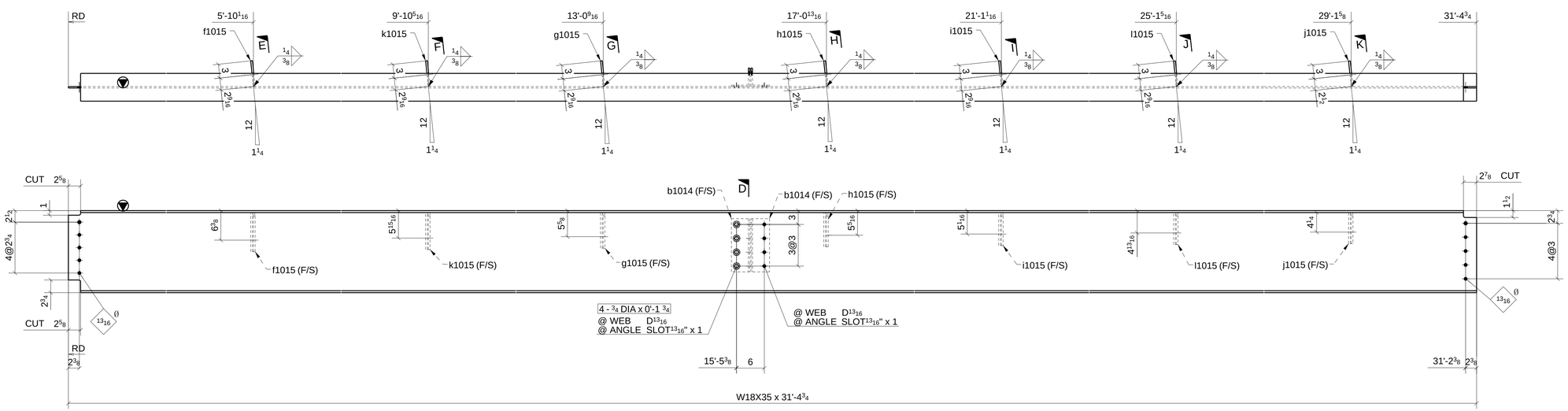
SECTION - I



SECTION - J



SECTION - K



ONE - BEAM ~ 1015B

LOCATION: (REF: E10A)
ONE @ 5-6/F.1

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

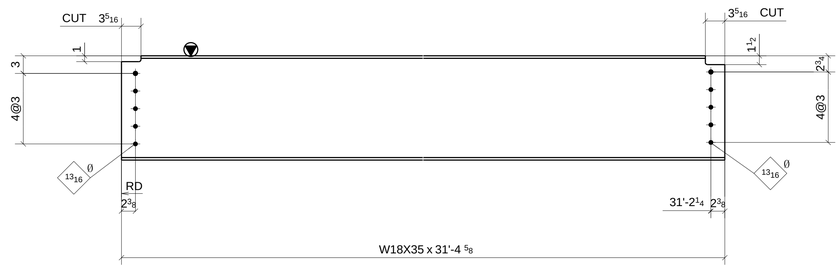
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1015A	W18X35	31'-4 1/2"	A992	
1	b1015	PL3/8"X5 7/8"	0'-6 1/16"	A36	
2	c1015	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	d1015	L4X3-1/2X5/16	1'-2 3/4"	A36	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
1	1015B	W18X35	31'-4 3/4"	A992	
2	b1014	L4X4X5/16	0'-11 1/2"	A36	
1	f1015	PL3/8"X5 9/16"	0'-8 7/16"	A36	
1	g1015	PL3/8"X5 9/16"	0'-7 3/4"	A36	
1	h1015	PL3/8"X5 9/16"	0'-7 7/16"	A36	
1	i1015	PL3/8"X5 9/16"	0'-7 1/8"	A36	
1	j1015	PL3/8"X5 1/2"	0'-6 3/4"	A36	
1	k1015	PL3/8"X5 9/16"	0'-8"	A36	
1	l1015	PL3/8"X5 9/16"	0'-6 15/16"	A36	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	

Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

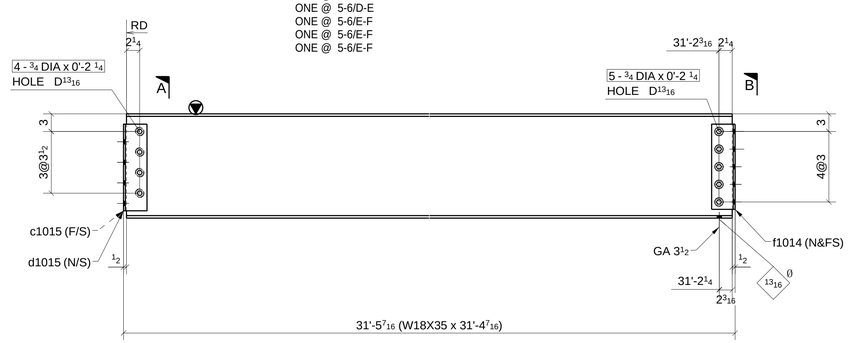
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1015

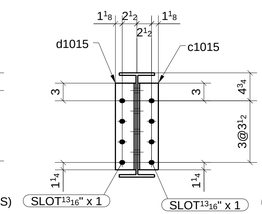


5 - BEAMS ~ 1016A

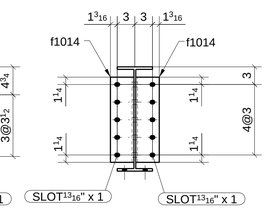
LOCATION: (REF: E10A)

ONE @ 5-6/D-E
ONE @ 5-6/D-E
ONE @ 5-6/E-F
ONE @ 5-6/E-F
ONE @ 5-6/E-F





SECTION - A

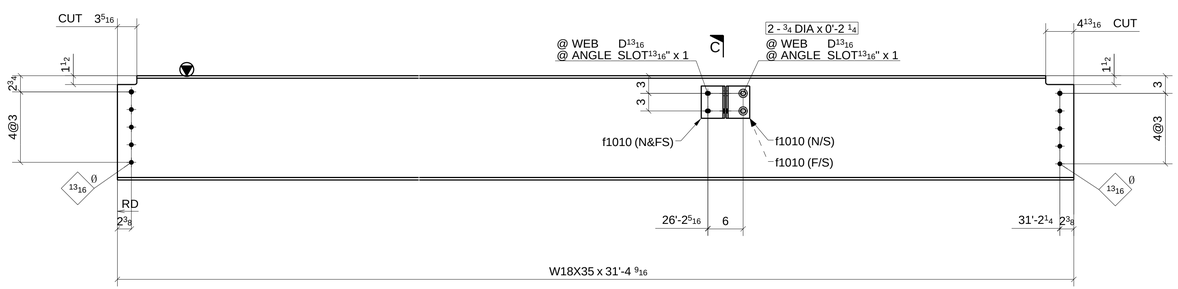


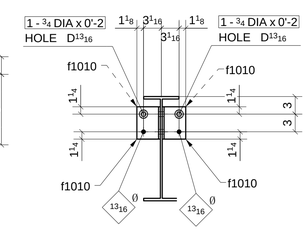
SECTION - B

ONE - BEAM ~ 1016B

LOCATION: (REF: E10A)

ONE @ 5-6/E





SECTION - C

6 - BEAMS ~ 1016C

LOCATION: (REF: E10A)

ONE @ 7-8/D-E
ONE @ 7-8/D-E
ONE @ 7-8/D-E
ONE @ 7-8/E-F
ONE @ 7-8/E-F
ONE @ 7-8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
5	1016A	W18X35	31'-4 5/8"	A992	
1	1016B	W18X35	31'-4 7/16"	A992	
1	c1015	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	d1015	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	f1014	L4X4X5/16	1'-2 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
6	1016C	W18X35	31'-4 5/8"	A992	
24	f1010	L4X4X5/16	0'-5 1/2"	A36	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
12		3/4" DIA. W/N&W	0'-2"	A325N_TC	

Romac By: Checked By:

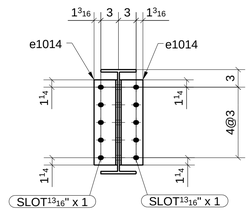
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

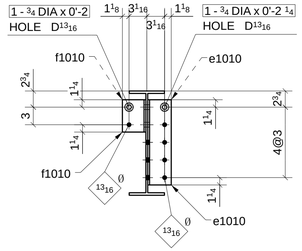
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

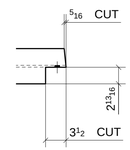
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1016



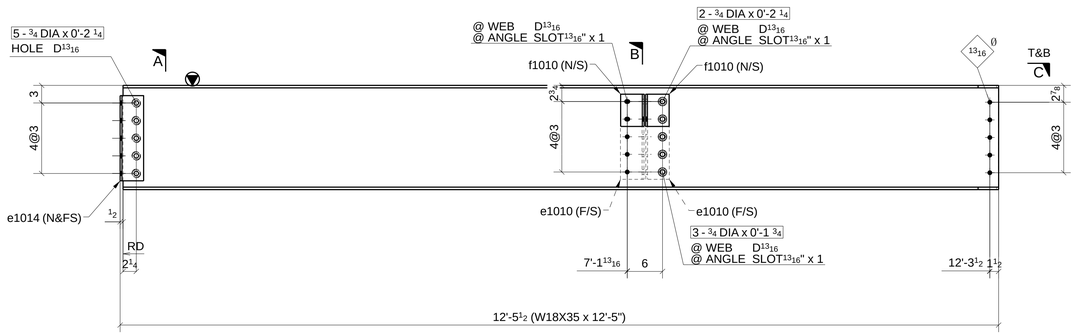
SECTION - A



SECTION - B

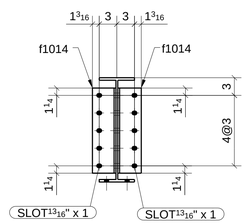


SECTION - C

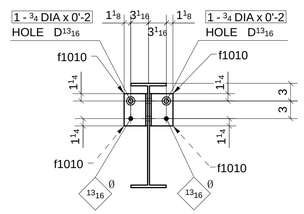


ONE - BEAM ~ 1017A

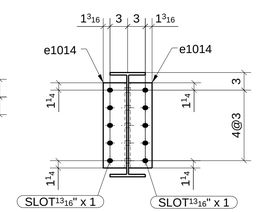
LOCATION: (REF: E10A)
ONE @ 6/F-F.1>



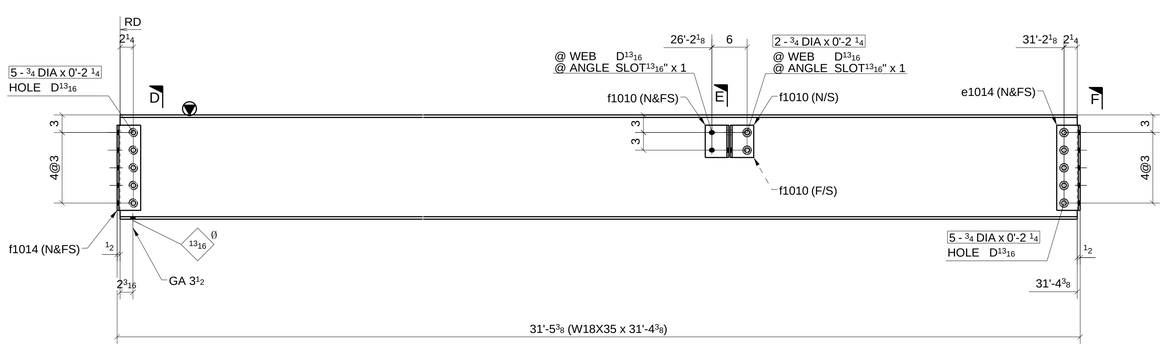
SECTION - D



SECTION - E



SECTION - F



ONE - BEAM ~ 1017B

LOCATION: (REF: E10A)
ONE @ 7-8/E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1017A	W18X35	12'-5"	A992	
2	e1010	L4X4X5/16	1'-2 1/2"	A36	
2	e1014	L4X4X5/16	1'-2 1/2"	A36	
2	f1010	L4X4X5/16	0'-5 1/2"	A36	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
1	1017B	W18X35	31'-4 3/8"	A992	
2	e1014	L4X4X5/16	1'-2 1/2"	A36	
4	f1010	L4X4X5/16	0'-5 1/2"	A36	
2	f1014	L4X4X5/16	1'-2 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

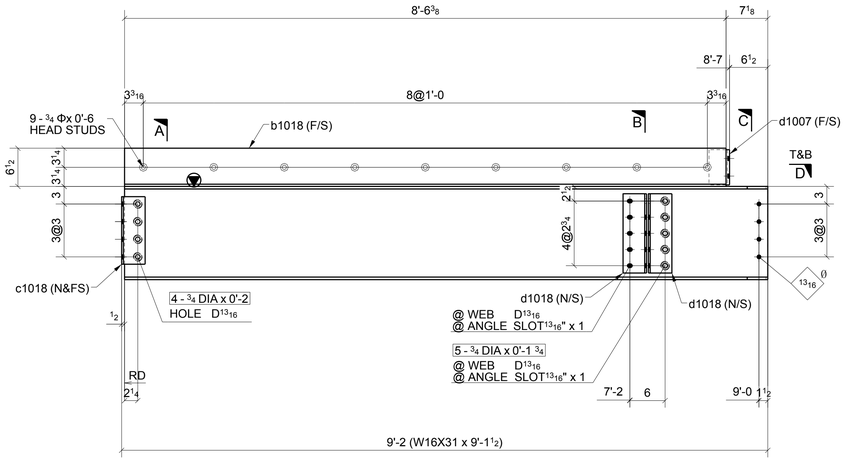
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

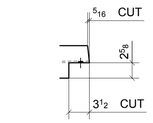
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1017

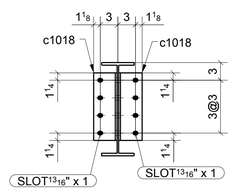


ONE - BEAM ~ 1018A

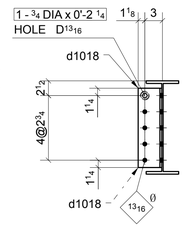
LOCATION: (REF: E10A)
ONE @ 5/F-F.1>



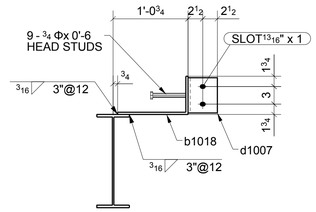
SECTION - D



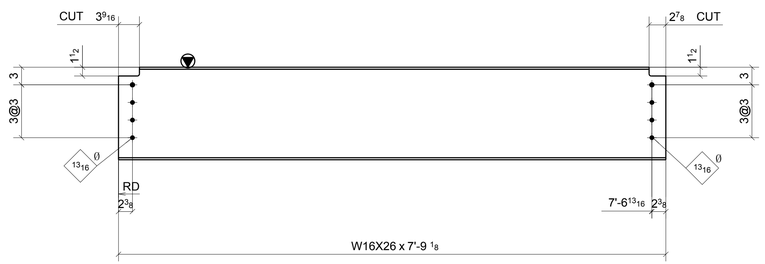
SECTION - A



SECTION - B



SECTION - C



ONE - BEAM ~ 1018B

LOCATION: (REF: E10A)
ONE @ 5-6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

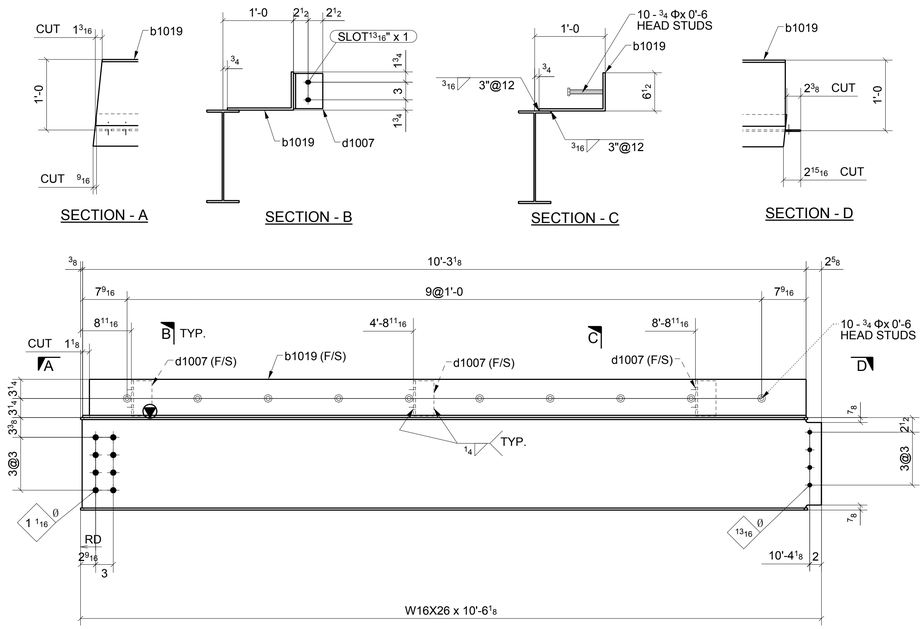
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1018A	W16X31	9'-1 1/2"	A992	
1	b1018	BPL3/8"X18 1/2"	8'-6 3/8"	A36	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
1	d1007	L5X3-1/2X3/8	0'-6"	A36	
2	d1018	L4X4X5/16	1'-1 1/2"	A36	
5		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
1		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
9		3/4" STUD	0'-6"		
1	1018B	W16X26	7'-9 3/16"	A992	

Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

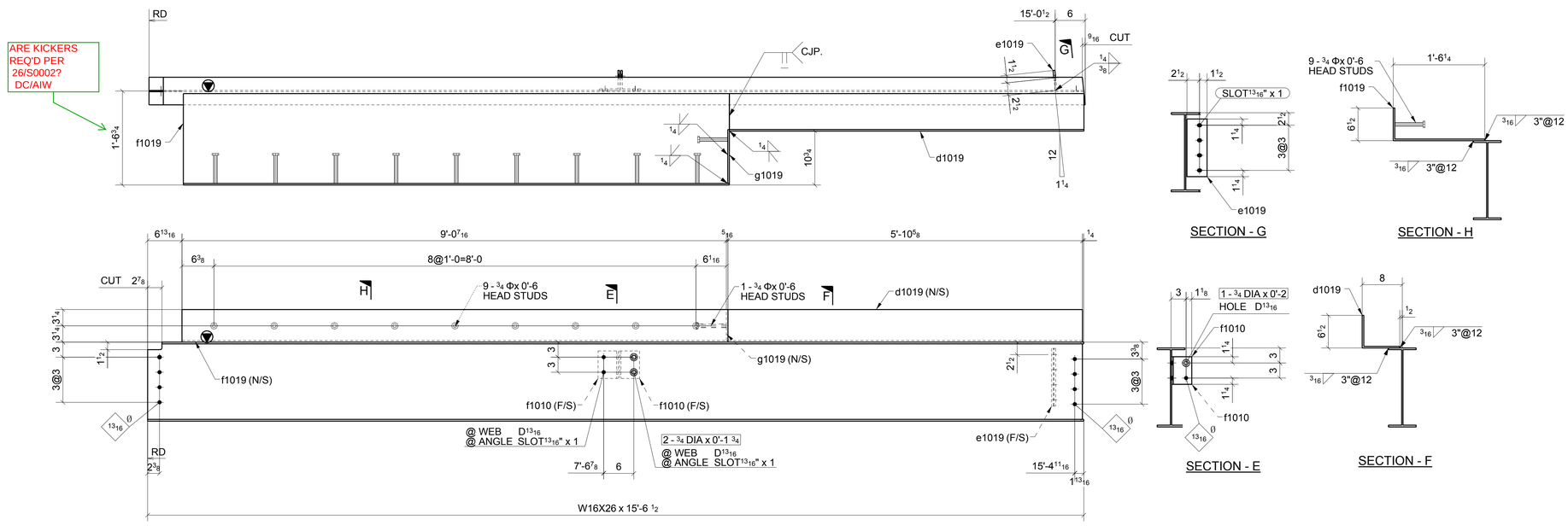
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1018



ONE - BEAM ~ 1019A

LOCATION: (REF: E10A)
ONE @ <7.2/F.2



ONE - BEAM ~ 1019B

LOCATION: (REF: E10A)
ONE @ 7.2/<7.3-F.2

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

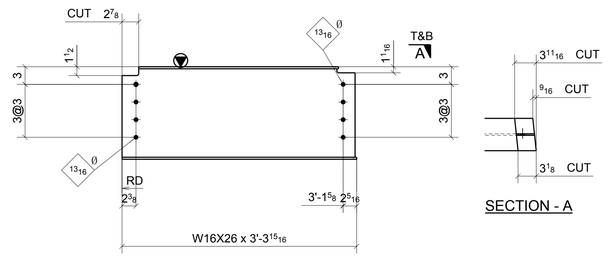
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1019A	W16X26	10'-6 1/8"	A992	
1	b1019	BPL3/8"X17 3/4"	10'-3 1/8"	A36	
3	d1007	L5X3-1/2X3/8	0'-6"	A36	
10		3/4" STUD	0'-6"		
1	1019B	W16X26	15'-6 1/2"	A992	
1	d1019	BPL5/16"X14"	5'-10 5/8"	A36	
1	e1019	PL3/8"X4"	0'-11 1/2"	A36	
2	f1010	L4X4X5/16	0'-5 1/2"	A36	
1	f1019	BPL5/16"X24 3/4"	9'-0 3/4"	A36	
1	g1019	PL5/16"X6 3/16"	0'-10 3/4"	A36	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" STUD	0'-6"		
9		3/4" STUD	0'-6"		

Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

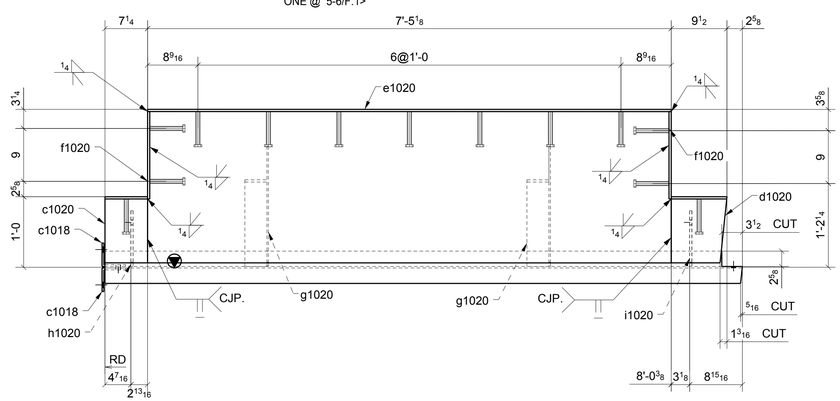
A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

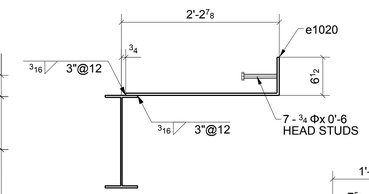
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1019

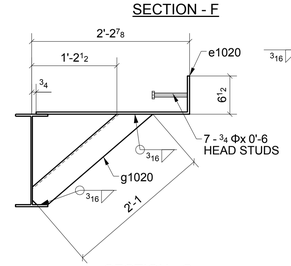


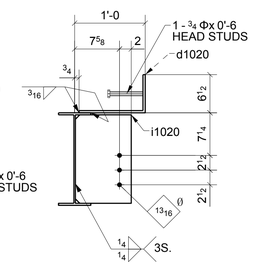
ONE - BEAM ~ 1020A

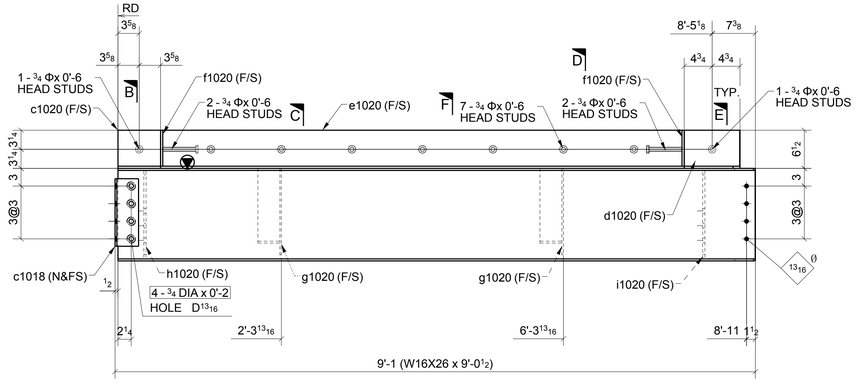
LOCATION: (REF: E10A)
ONE @ 5-6/F.1>





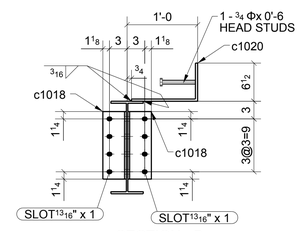


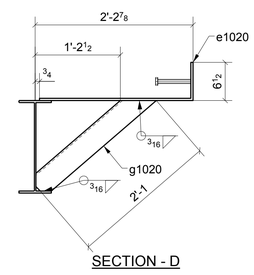




ONE - BEAM ~ 1020B

LOCATION: (REF: E10A)
ONE @ 6-7/F.1>





FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1020A	W16X26	3'-3 15/16"	A992	
1	1020B	W16X26	9'-0 1/2"	A992	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
1	c1020	BPL3/8"X7 1/4"	1'-5 3/4"	A36	
1	d1020	BPL3/8"X9 1/2"	1'-5 3/4"	A36	
1	e1020	BPL3/8"X32 5/8"	7'-5 1/8"	A36	
2	f1020	PL3/8"X6 1/8"	1'-2 7/8"	A36	
2	g1020	L4X4X1/4	2'-1 1/8"	A36	
1	h1020	PL3/8"X9 1/2"	1'-3 1/16"	A36	
1	i1020	PL3/8"X9 1/2"	1'-3 1/16"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
7		3/4" STUD	0'-6"		
2		3/4" STUD	0'-6"		
4		3/4" STUD	0'-6"		

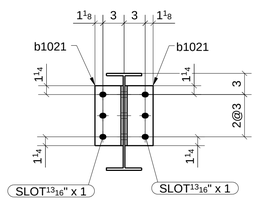
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

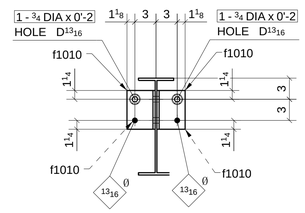
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

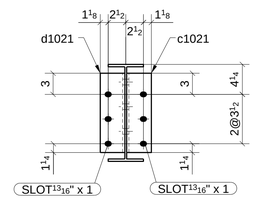
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1020



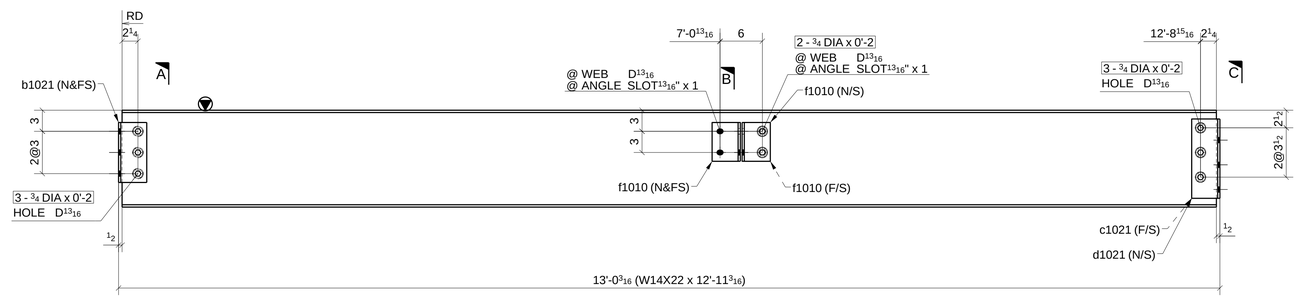
SECTION - A



SECTION - B



SECTION - C



ONE - BEAM ~ 1021A

LOCATION:
ONE @ 7/F-F.1>

(REF: E10A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1021A	W14X22	12'-11 3/16"	A992	
2	b1021	L4X4X5/16	0'-8 1/2"	A36	
1	c1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
1	d1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
4	f1010	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
6		3/4" DIA. W/N&W	0'-2"	A325N TC	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

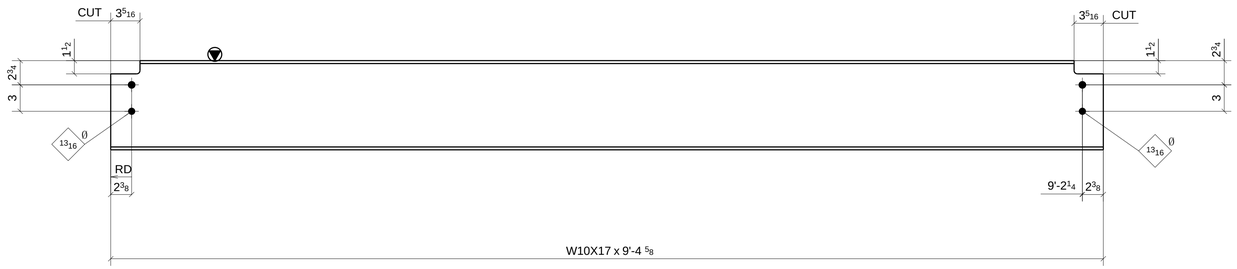
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016

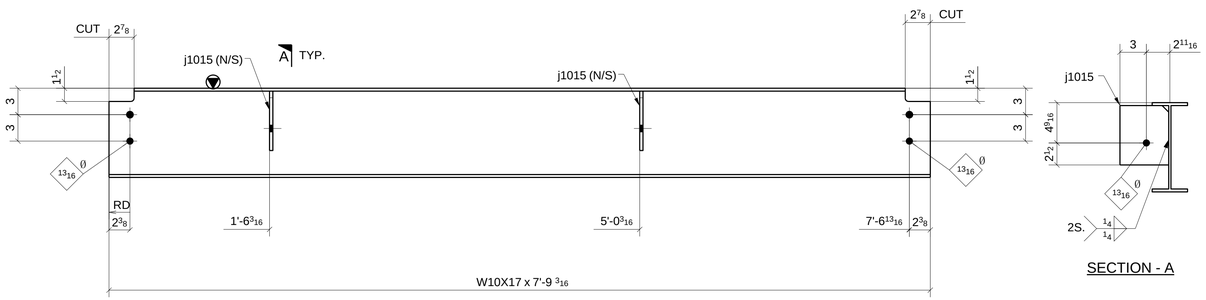
Job No. A16013 BAT: DWG#: 1021



6 - BEAMS ~ 1022A

LOCATION: (REF: E10A)

ONE @ 6-7/D-E
ONE @ 6-7/D-E
ONE @ 6-7/D-E
ONE @ 6-7/E-F
ONE @ 6-7/E-F
ONE @ 6-7/E-F



SECTION - A

ONE - BEAM ~ 1022B

LOCATION: (REF: E10A)

ONE @ 7.1-8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
6	1022A	W10X17	9'-4 5/8"	A992	
1	1022B	W10X17	7'-9 3/16"	A992	
2	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

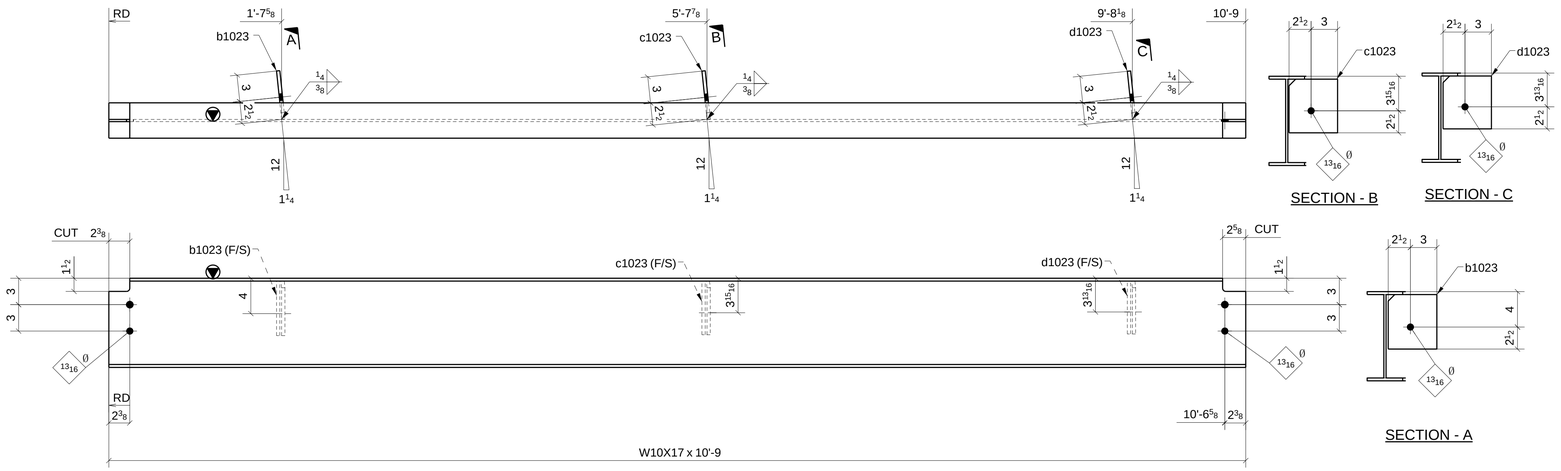
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016

Job No. A16013 BAT: DWG#: 1022

A FOR APPROVAL 07/28/16

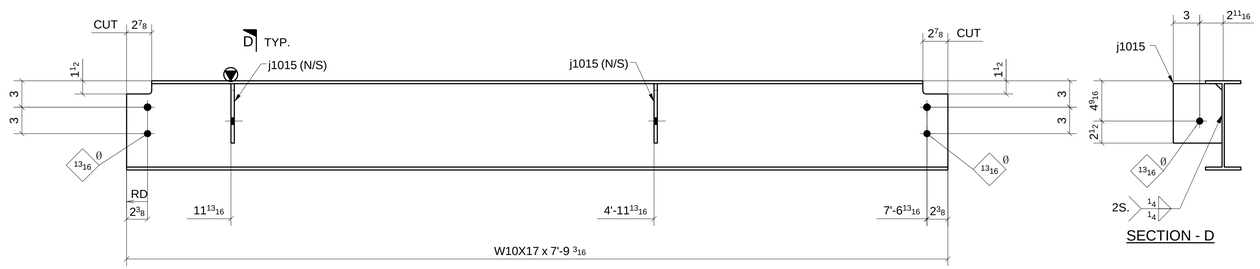
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



ONE - BEAM ~ 1023A

LOCATION:
ONE @ 7-7.1/F.1

(REF: E10A)



ONE - BEAM ~ 1023B

LOCATION:
ONE @ 7.1-8/D-E

(REF: E10A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1023A	W10X17	10'-9"	A992	
1	b1023	PL3/8"X5 1/2"	0'-6 3/16"	A36	
1	c1023	PL3/8"X5 1/2"	0'-6 1/16"	A36	
1	d1023	PL3/8"X5 1/2"	0'-6"	A36	
1	1023B	W10X17	7'-9 3/16"	A992	
2	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

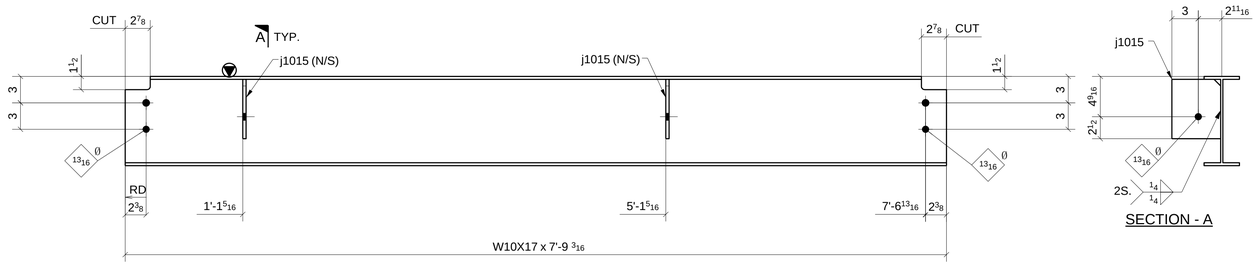
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

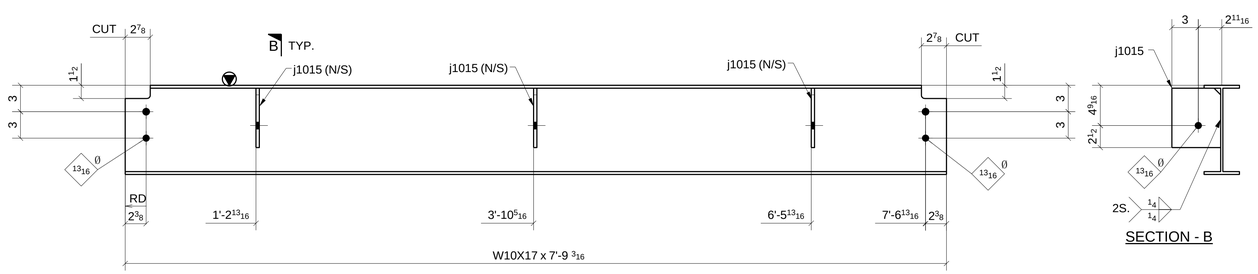
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016

Job No. A16013 BAT: _____ DWG#: 1023



ONE - BEAM ~ 1024A

LOCATION: (REF: E10A)
ONE @ 7.1-8/D-E



ONE - BEAM ~ 1024B

LOCATION: (REF: E10A)
ONE @ 7.1-8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1024A	W10X17	7'-9 3/16"	A992	
2	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	
1	1024B	W10X17	7'-9 3/16"	A992	
3	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	

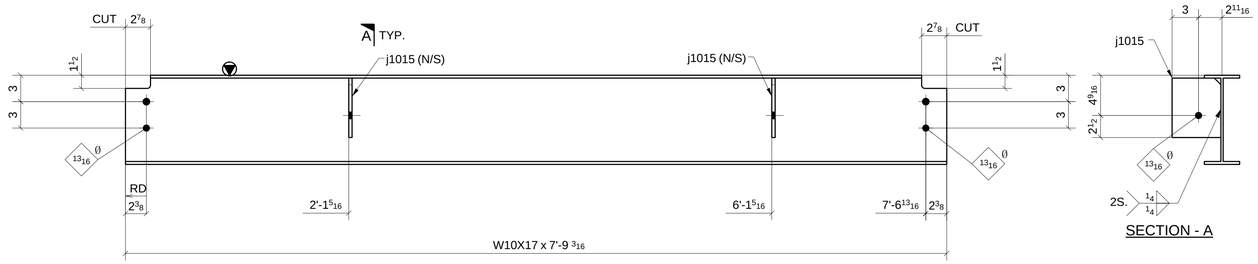
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

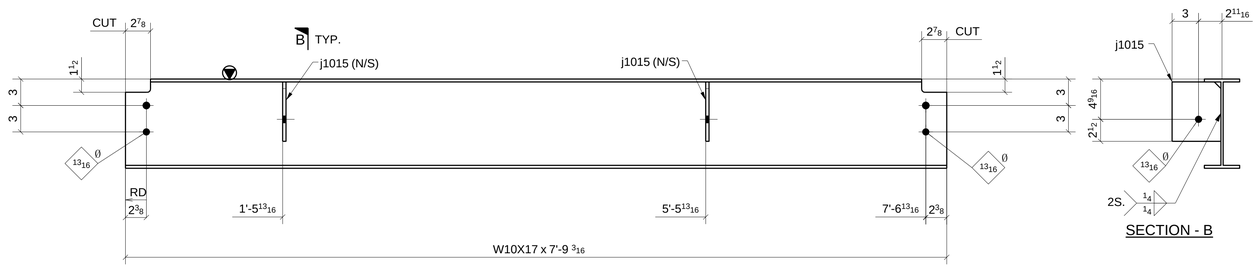
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1024



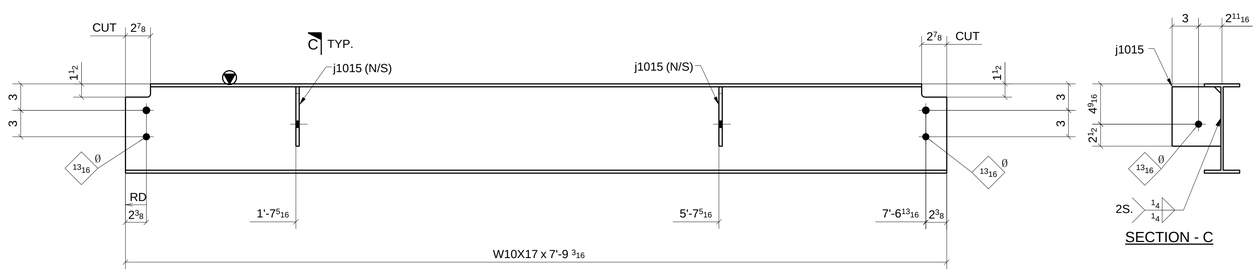
ONE - BEAM ~ 1025A

LOCATION: (REF: E10A)
ONE @ 7.1-8/E-F



ONE - BEAM ~ 1025B

LOCATION: (REF: E10A)
ONE @ 7.1-8/E-F



ONE - BEAM ~ 1025C

LOCATION: (REF: E10A)
ONE @ 7.1-8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1025A	W10X17	7'-9 3/16"	A992	
2	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	
1	1025B	W10X17	7'-9 3/16"	A992	
2	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	
1	1025C	W10X17	7'-9 3/16"	A992	
2	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	

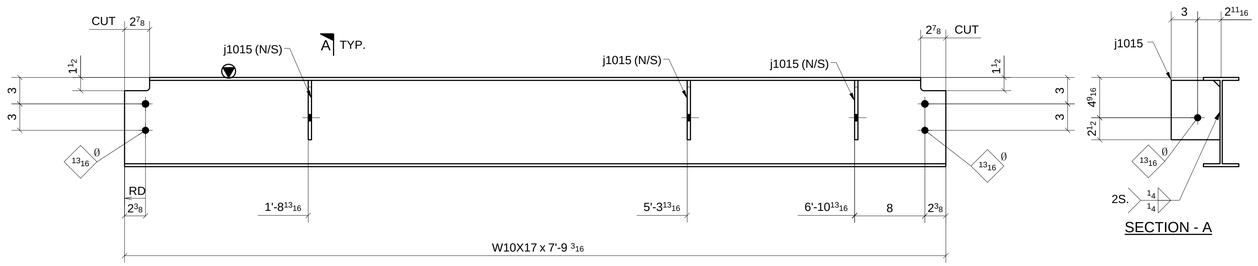
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

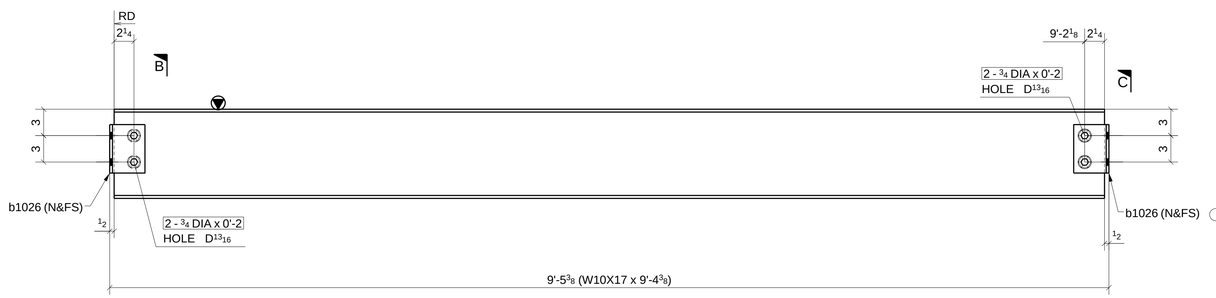
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1025

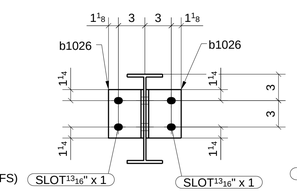


SECTION - A

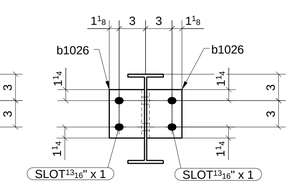
ONE - BEAM ~ 1026A

LOCATION: (REF: E10A)
ONE @ 7.1-8/E-F





SECTION - B



SECTION - C

ONE - BEAM ~ 1026B

LOCATION: (REF: E10A)
ONE @ 6-7/E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1026A	W10X17	7'-9 3/16"	A992	
3	j1015	PL3/8"X5 9/16"	0'-6 3/4"	A36	
1	1026B	W10X17	9'-4 3/8"	A992	
4	b1026	L4X4X5/16	0'-5 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	

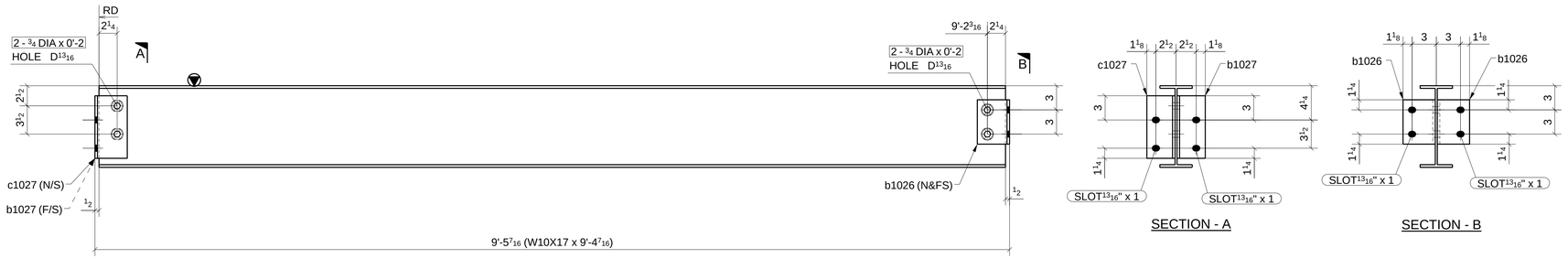
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

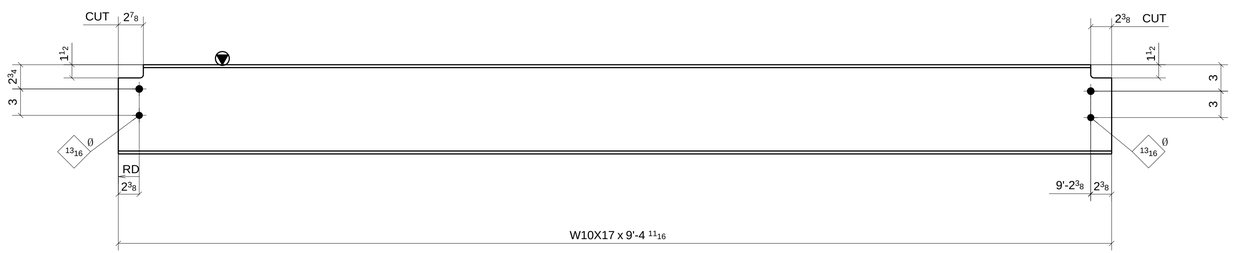
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1026



ONE - BEAM ~ 1027A

LOCATION: (REF: E10A)
ONE @ 6-7/F



ONE - BEAM ~ 1027B

LOCATION: (REF: E10A)
ONE @ 6-7/F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1027A	W10X17	9'-4 7/16"	A992	
2	b1026	L4X4X5/16	0'-5 1/2"	A36	
1	b1027	L4X3-1/2X5/16	0'-7 3/4"	A36	
1	c1027	L4X3-1/2X5/16	0'-7 3/4"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
1	1027B	W10X17	9'-4 3/4"	A992	

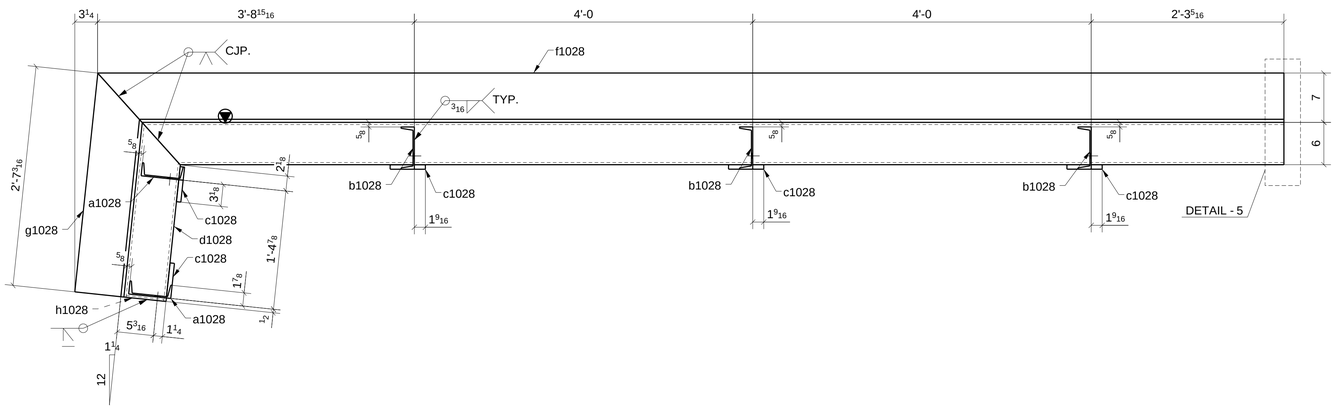
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

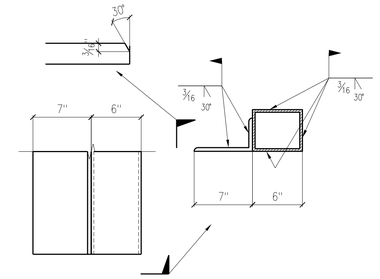
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

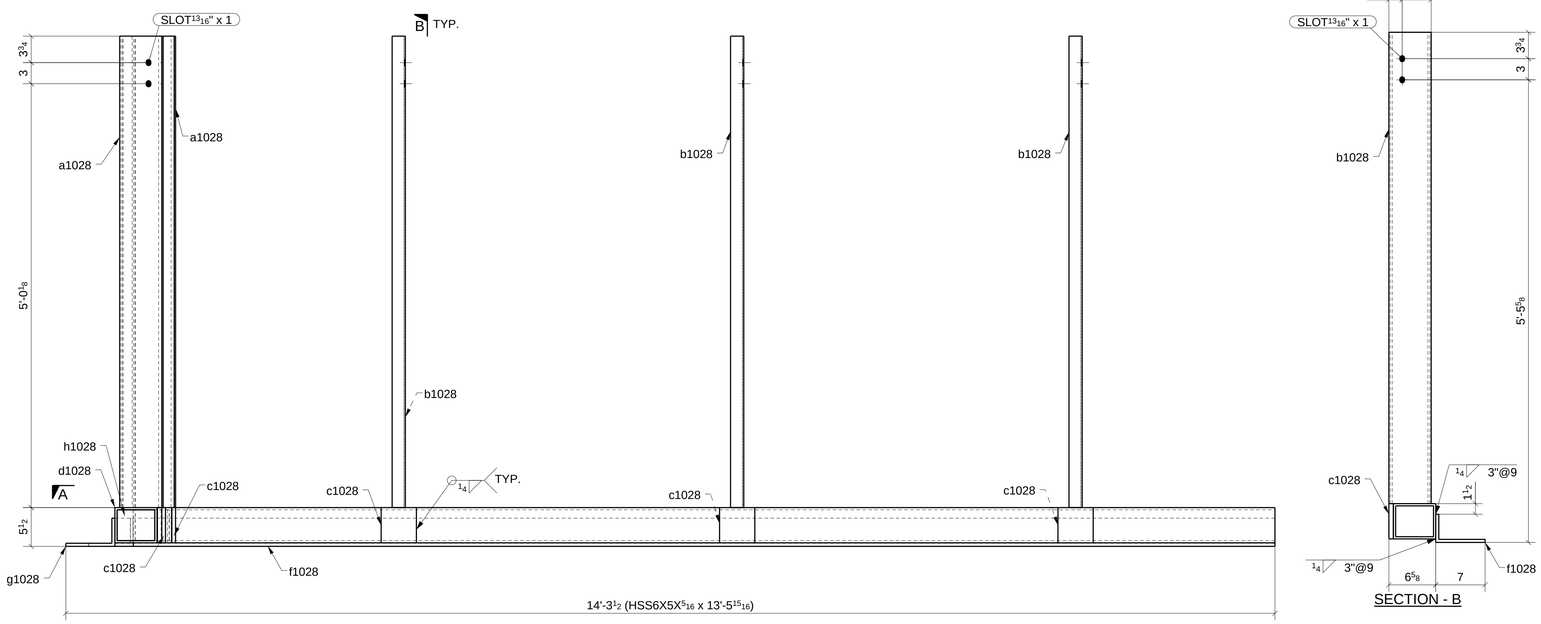
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1027



SECTION - A



DETAIL "5"



ONE - BEAM ~ 1028A

LOCATION: (REF: E10A)
ONE @ <5-6/F.1>

SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1028A	HSS6X5X5/16	13'-5 15/16"	A500-GR.B-46	
2	a1028	C6X8.2	5'-6 7/8"	A992	
3	b1028	C6X8.2	5'-6 7/8"	A992	
5	c1028	PL5/8"X5"	0'-5"	A36	
1	d1028	HSS6X5X5/16	2'-0 7/8"	A500-GR.B-46	
1	f1028	L7X4X7/16	14'-0 1/4"	A36	GALV.
1	g1028	L7X4X7/16	2'-7 3/16"	A36	GALV.
1	h1028	PL1/4"X4 3/8"	0'-5 3/8"	A36	

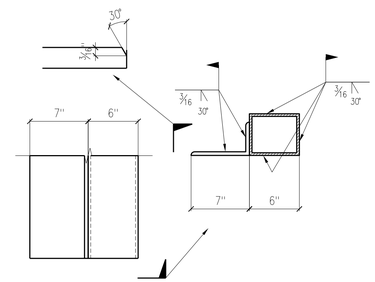
Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1028



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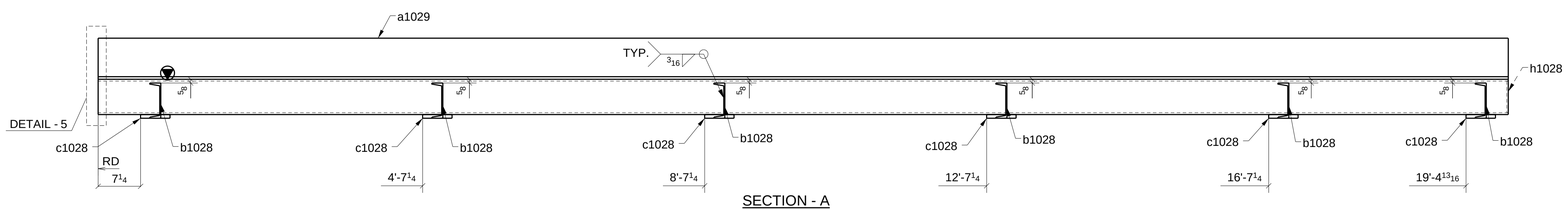
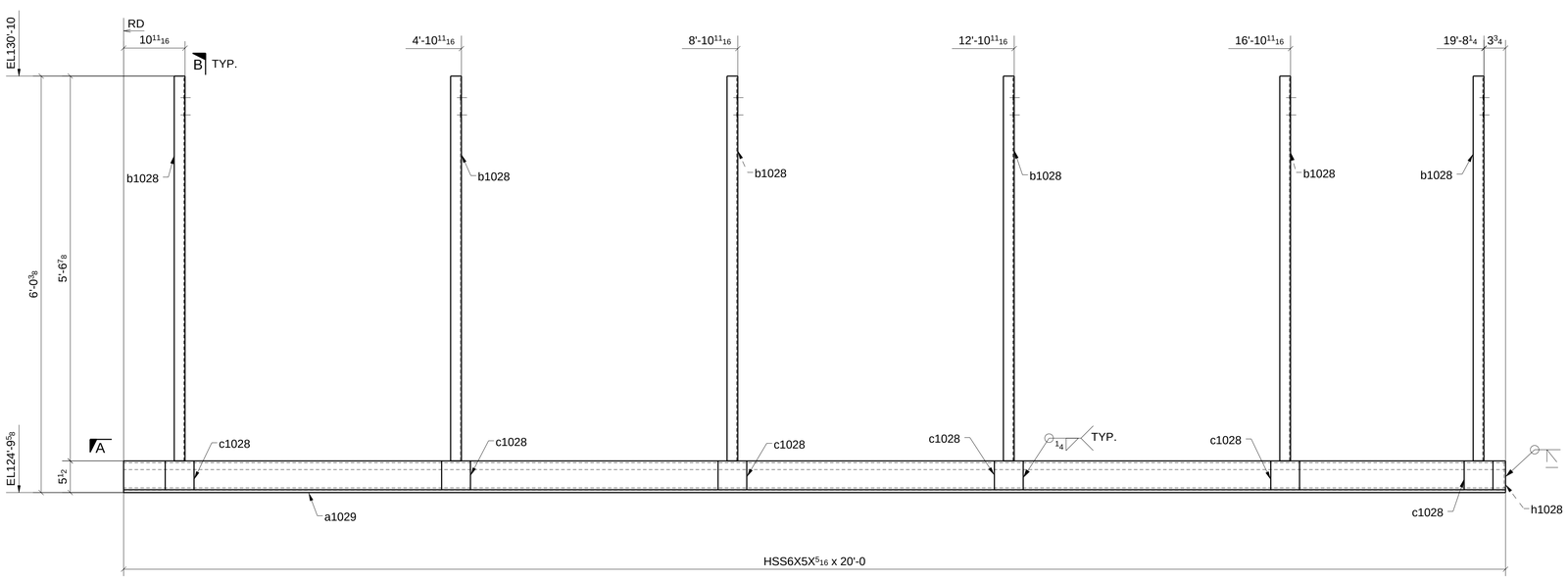
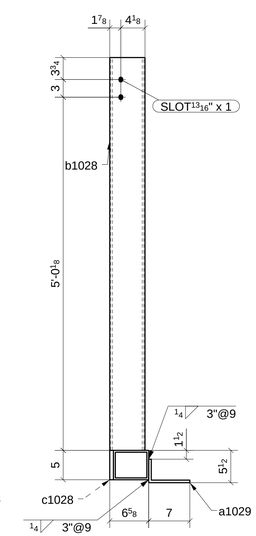


SECTION - A





SECTION - B

ONE - BEAM ~ 1029A

LOCATION: (REF: E10A)
ONE @ 5-6/F.1>

MATERIAL LIST

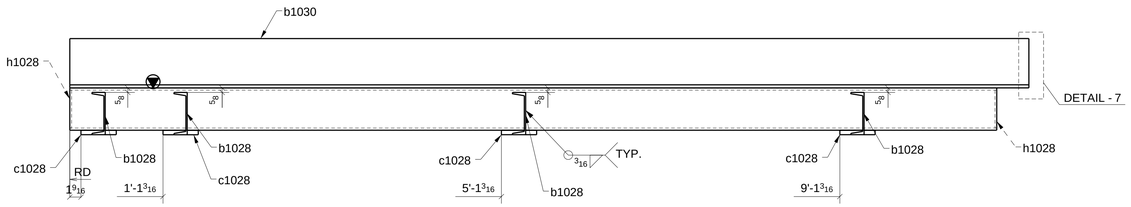
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1029A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a1029	L7X4X7/16	20'-0"	A36	GALV.
6	b1028	C6X8.2	5'-6 7/8"	A992	
6	c1028	PL5/8"X5"	0'-5"	A36	
1	h1028	PL1/4"X4 3/8"	0'-5 3/8"	A36	

Romac By: Checked By:
Beamline By: Checked By:

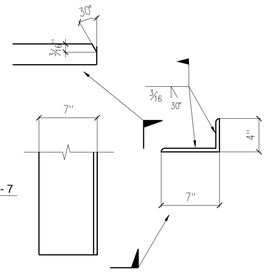
A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

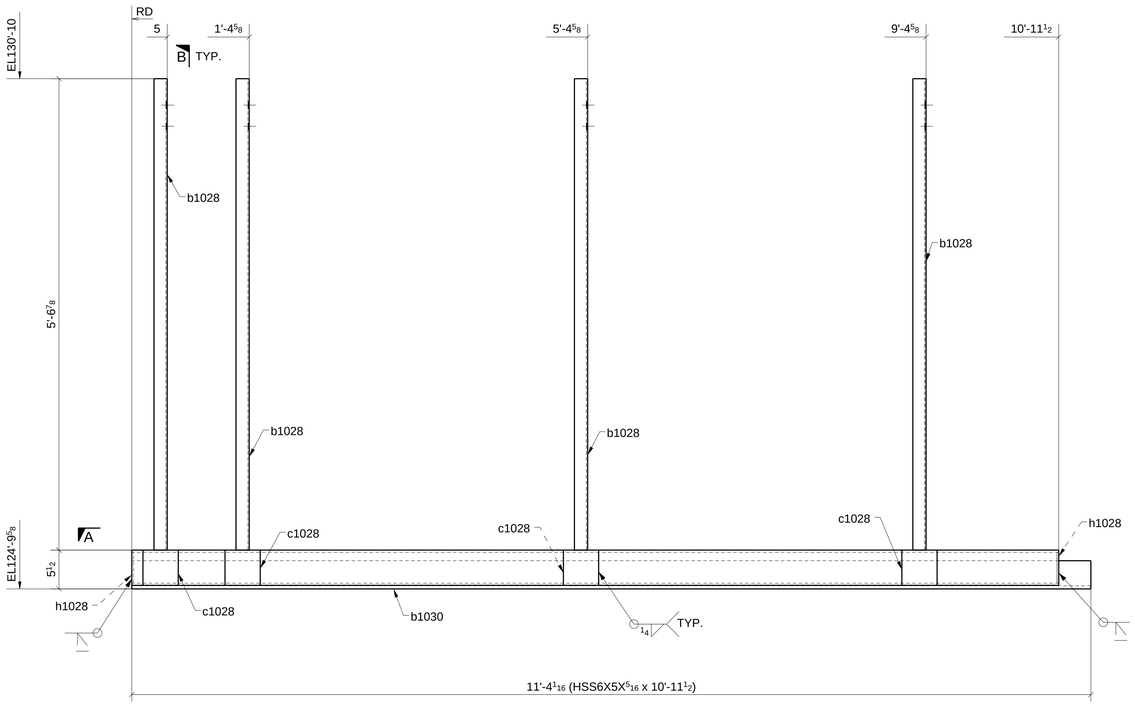
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016
Job No. A16013 BAT: DWG#: 1029



SECTION - A

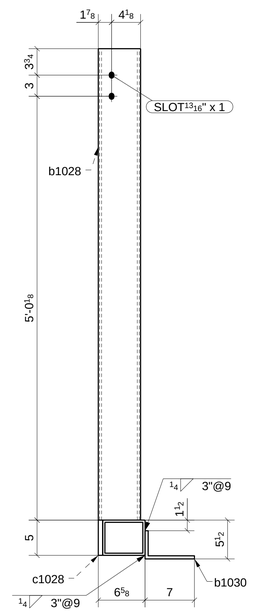


DETAIL "7"



ONE - BEAM ~ 1030A

LOCATION: (REF: E10A)
ONE @ <7.2/F.3



SECTION - B

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1030A	HSS6X5X5/16	10'-11 1/2"	A500-GR.B/46	
4	b1028	C6X8.2	5'-6 7/8"	A992	
1	b1030	L7X4X7/16	11'-4 1/16"	A36	GALV.
4	c1028	PL5/8"X5"	0'-5"	A36	
2	h1028	PL1/4"X4 3/8"	0'-5 3/8"	A36	

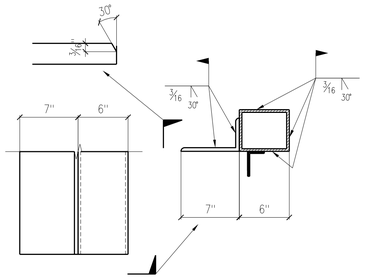
Romac By: Checked By:

Beamline By: Checked By:

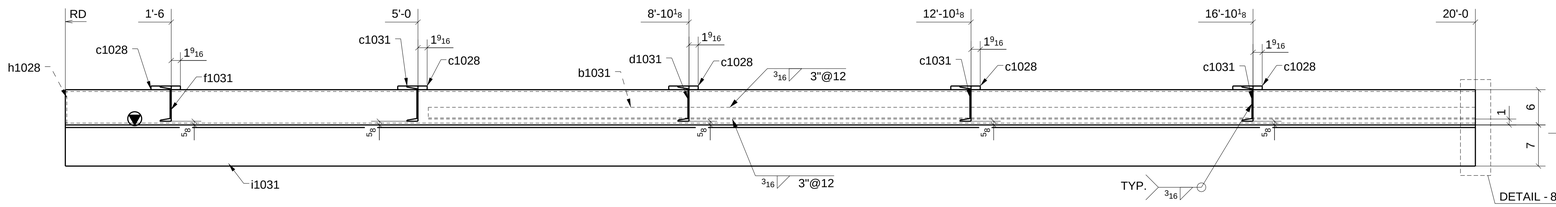
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

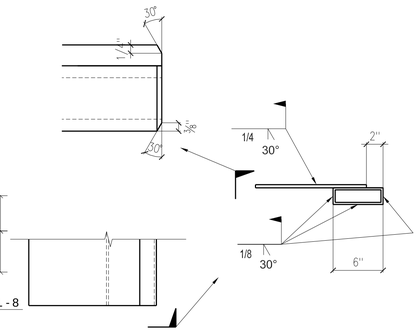
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn: ZZ	Date: 07/26/2016	Ckd: LJ	Date: 07/26/2016		
Job No. A16013	BAT:	DWG#: 1030			



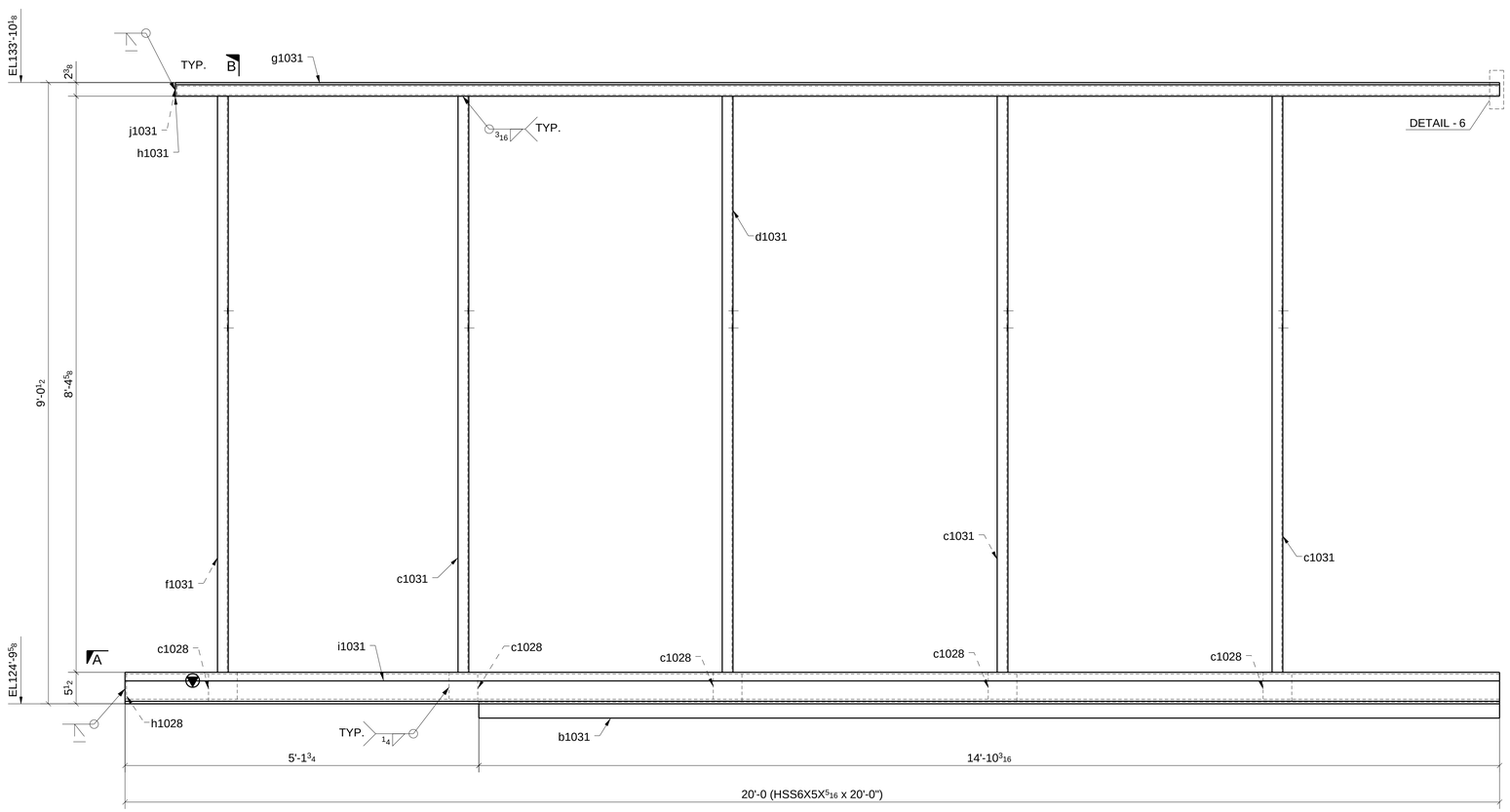
DETAIL "8"



SECTION - A

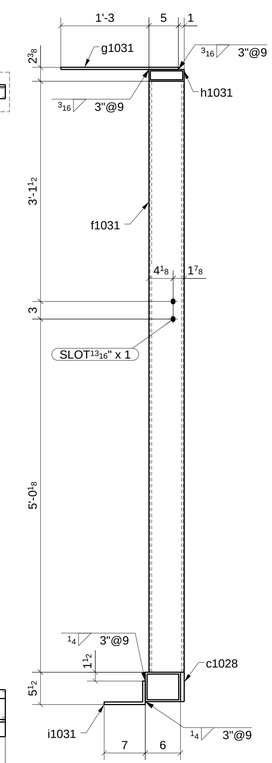


DETAIL "6"



ONE - BEAM ~ 1031A

LOCATION: ONE @ 8/D-E (REF: E10A)



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1031A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	b1031	L3X2X3/16	14'-10 3/16	A36	
5	c1028	PL5/8"X5"	0'-5"	A36	
3	c1031	C6X8.2	8'-4 5/8"	A992	
1	d1031	C6X8.2	8'-4 5/8"	A992	
1	f1031	C6X8.2	8'-4 5/8"	A992	
1	g1031	PL3/8"X20"	19'-3 3/16"	A36	
1	h1028	PL1/4"X4 3/8"	0'-5 3/8"	A36	
1	h1031	HSS6X2X1/4	19'-3 3/16"	A500-GR.B-46	
1	i1031	L7X4X7/16	20'-0"	A36	GALV.
1	j1031	PL1/4"X1 1/2"	0'-5 1/2"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: COLOR:

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

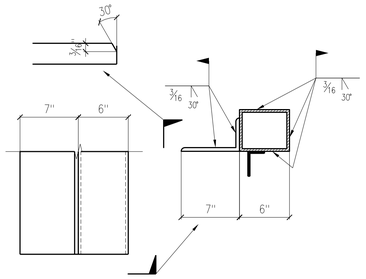
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

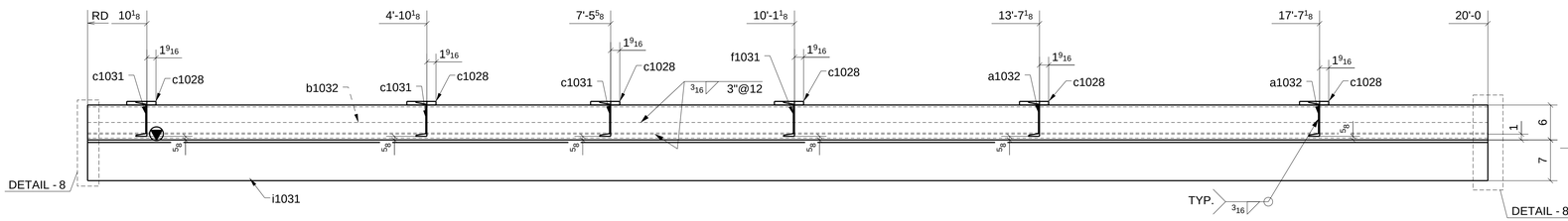
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016

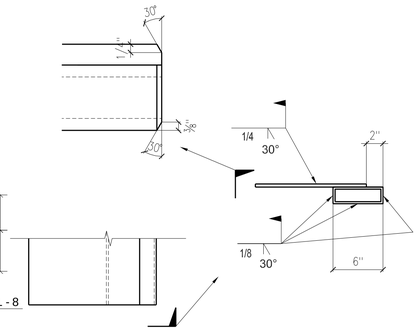
Job No. A16013 BAT: DWG#: 1031



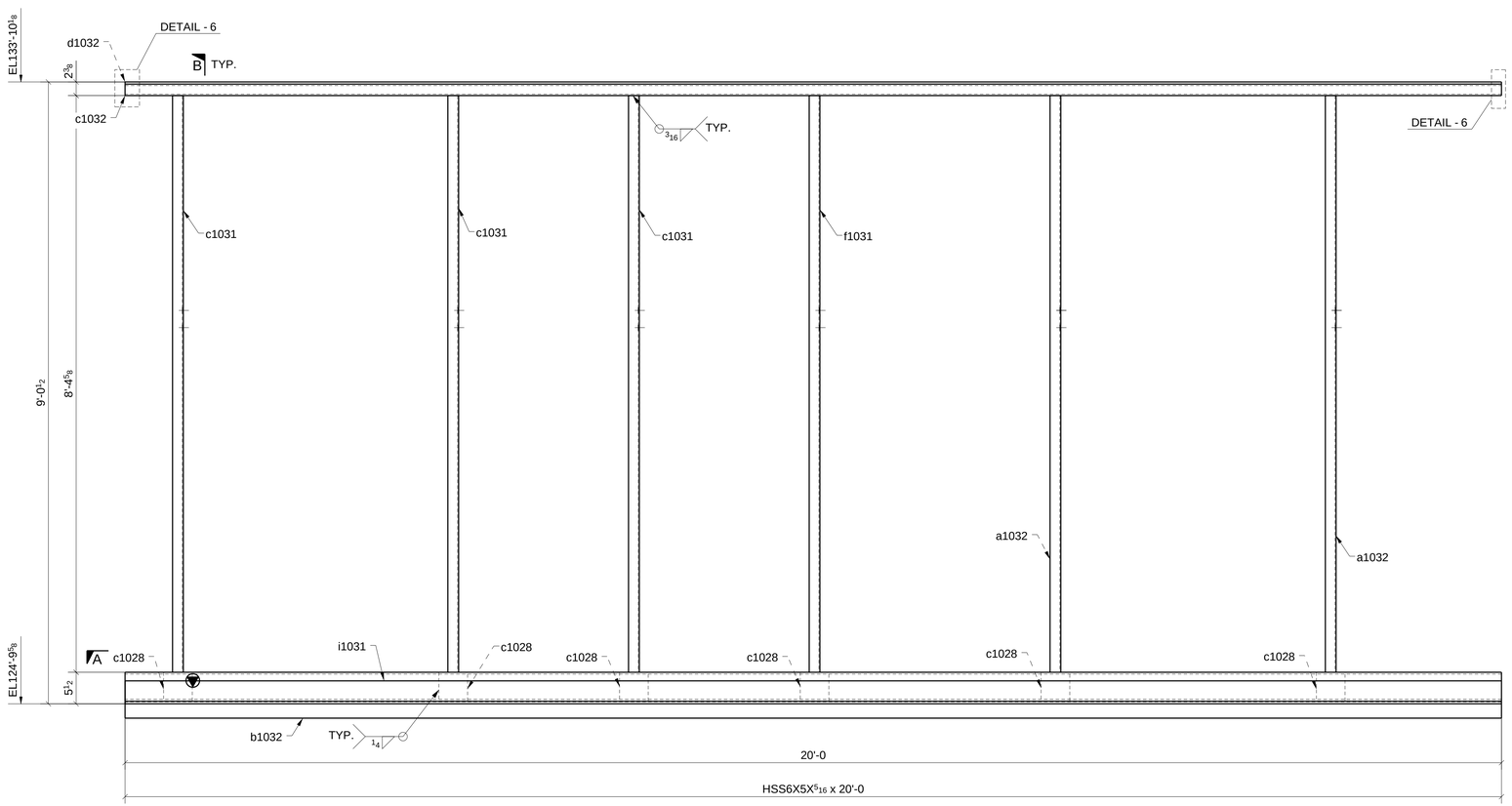
DETAIL "8"



SECTION - A



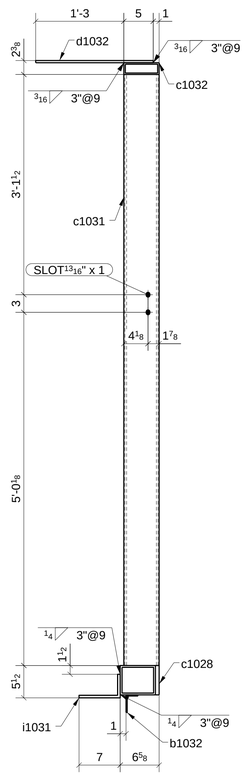
DETAIL "6"



ONE - BEAM ~ 1032A

LOCATION: (REF: E10A)

ONE @ 8/D-F



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1032A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
2	a1032	C6X8.2	8'-4 5/8"	A992	
1	b1032	L3X2X3/16	20'-0"	A36	
6	c1028	PL5/8"X5"	0'-5"	A36	
3	c1031	C6X8.2	8'-4 5/8"	A992	
1	c1032	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	d1032	PL3/8"X20"	20'-0"	A36	
1	f1031	C6X8.2	8'-4 5/8"	A992	
1	i1031	L7X4X7/16	20'-0"	A36	GALV.

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

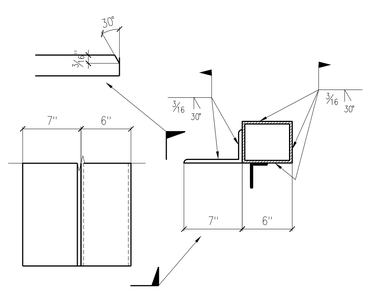
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

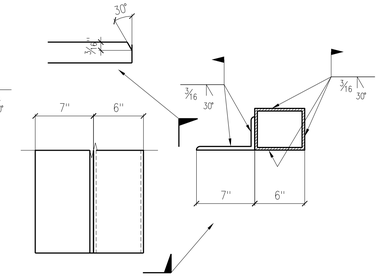
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016

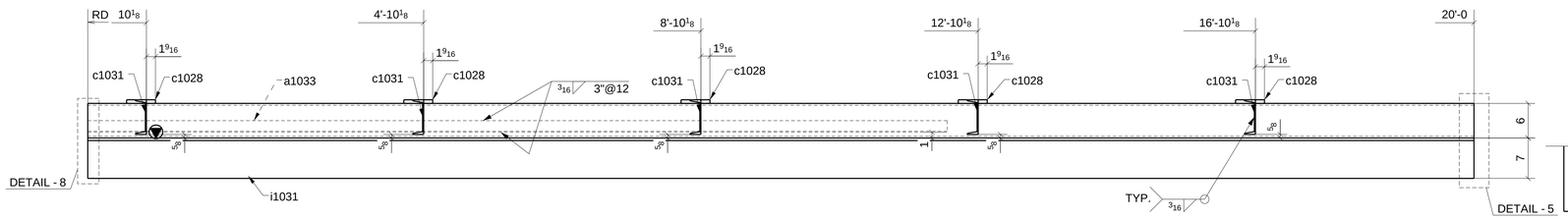
Job No. A16013 BAT: DWG#: 1032



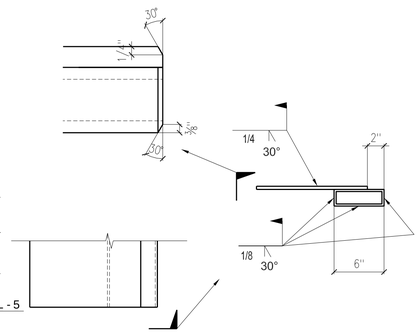
DETAIL "8"



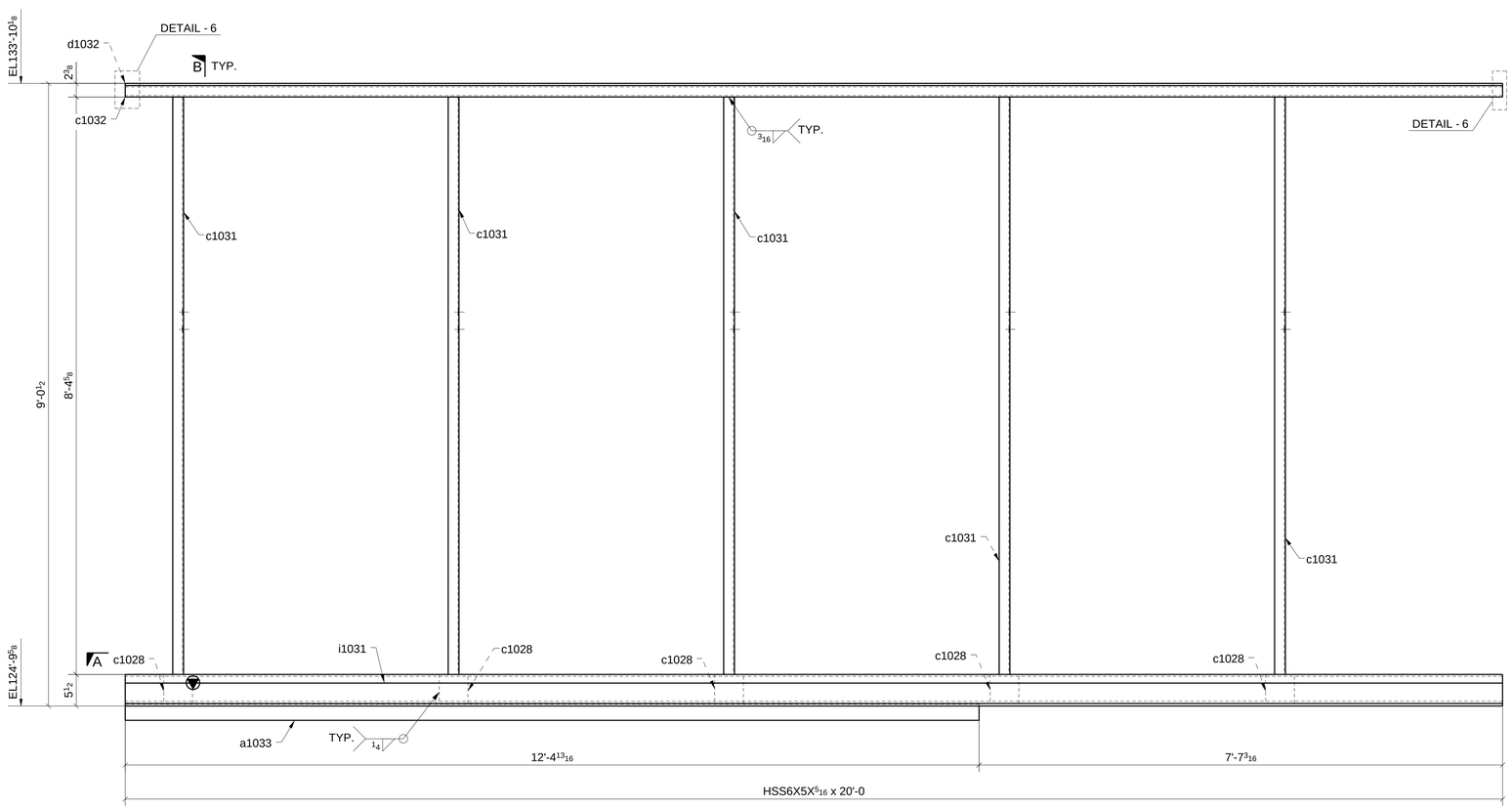
DETAIL "5"



SECTION - A

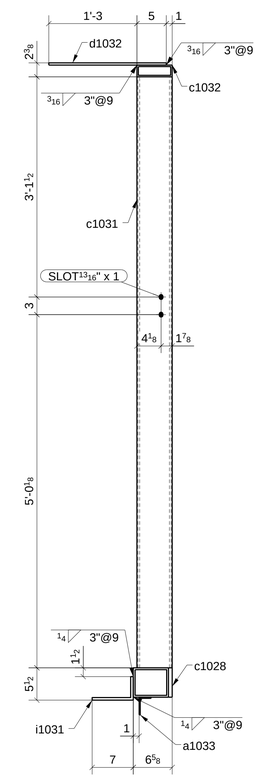


DETAIL "6"



ONE - BEAM ~ 1033A

LOCATION: ONE @ 8/E-F (REF: E10A)



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1033A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a1033	L3X2X3/16	12'-4 13/16	A36	
5	c1028	PL5/8"X5"	0'-5"	A36	
5	c1031	C6X8.2	8'-4 5/8"	A992	
1	c1032	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	d1032	PL3/8"X20"	20'-0"	A36	
1	i1031	L7X4X7/16	20'-0"	A36	GALV.

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

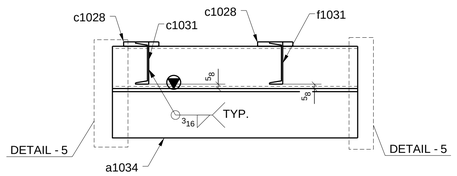
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

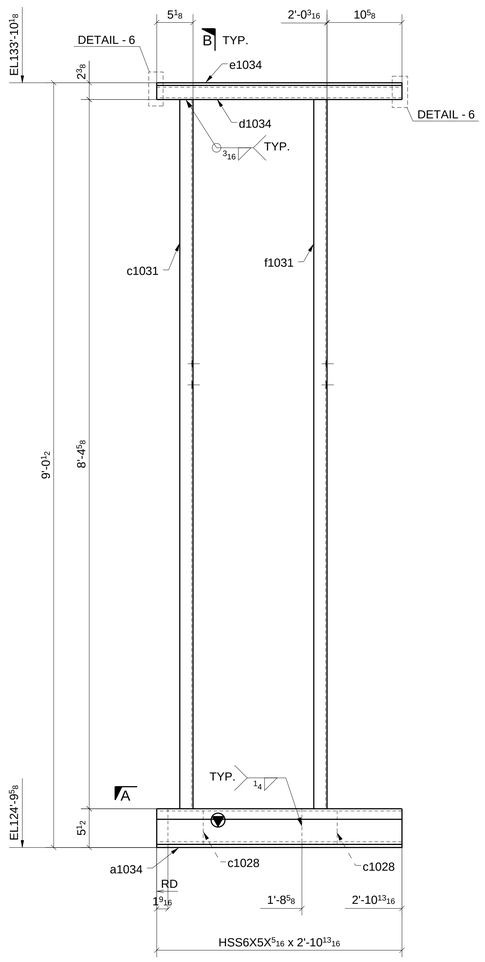
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: DWG#: 1033



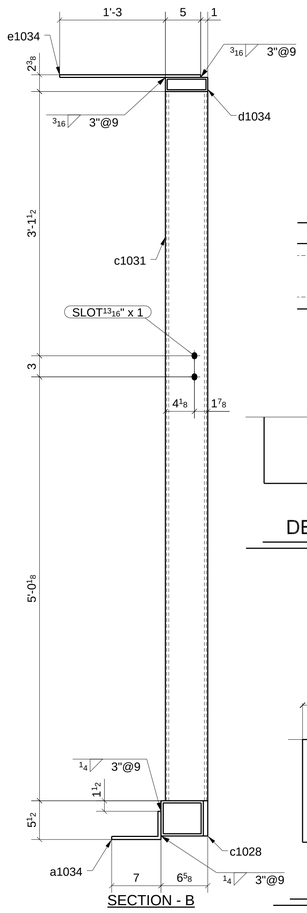
SECTION - A



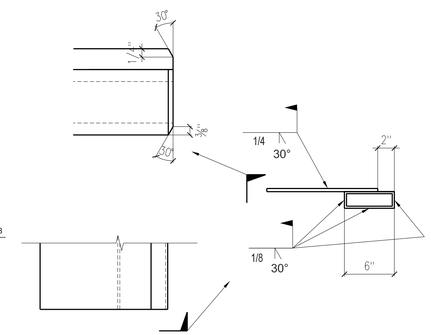
ONE - BEAM ~ 1034A

LOCATION:
ONE @ 8/E-F

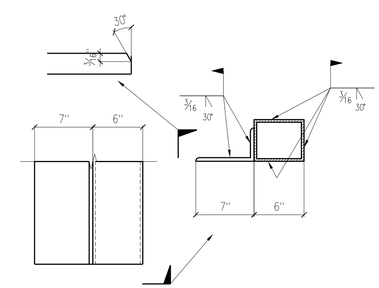
(REF: E10A)



SECTION - B



DETAIL "6"



DETAIL "5"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1034A	HSS6X5X5/16	2'-10 13/16"	A500-GR.B-46	
1	a1034	L7X4X7/16	2'-10 13/16	A36	GALV.
2	c1028	PL5/8"X5"	0'-5"	A36	
1	c1031	C6X8.2	8'-4 5/8"	A992	
1	d1034	HSS6X2X1/4	2'-10 13/16	A500-GR.B-46	
1	e1034	PL3/8"X20"	2'-10 13/16	A36	
1	f1031	C6X8.2	8'-4 5/8"	A992	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

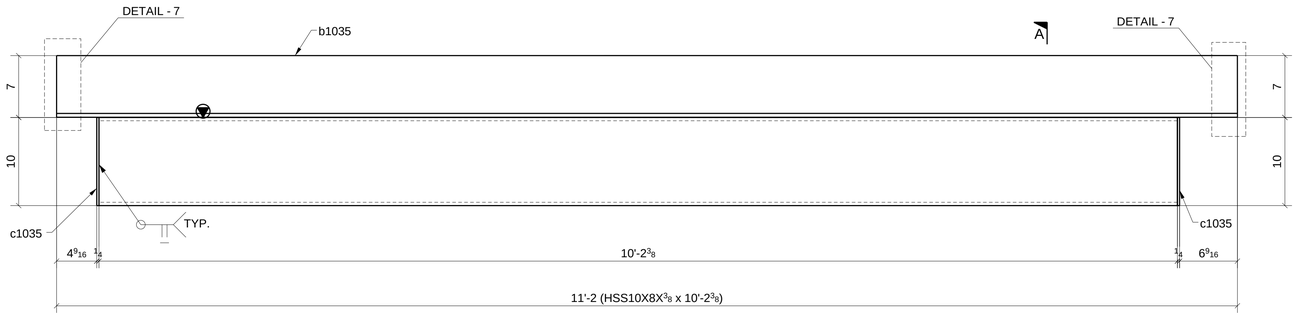
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

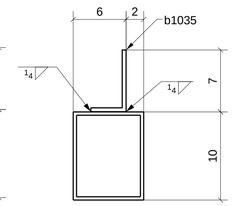
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: _____ DWG#: 1034

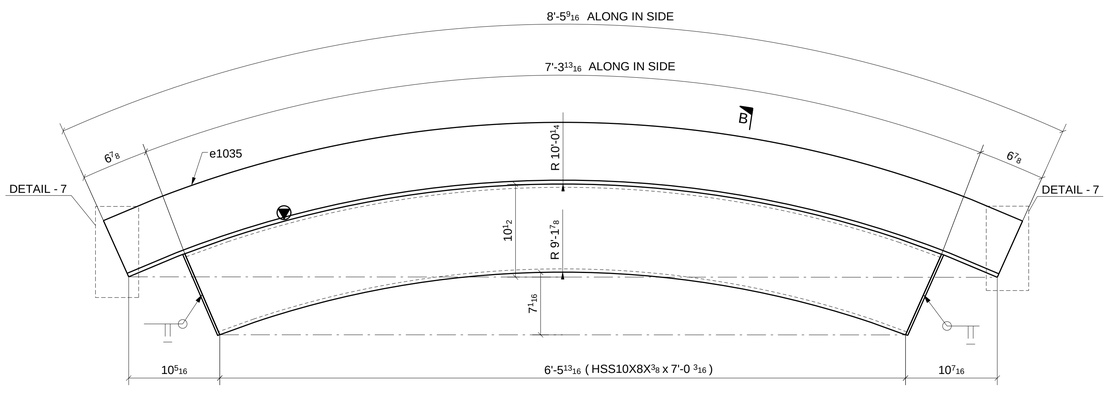


2 - BEAMS ~ 1035A

LOCATION: (REF: E10A,E10B)
ONE @ 7.2-7.3/F.3-F.4
ONE @ 7.2-7.3/F.3-F.4

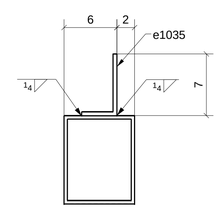


SECTION - A

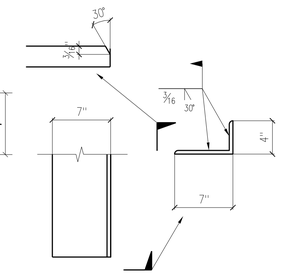


2 - BEAMS ~ 1035B

LOCATION: (REF: E10A,E10B)
ONE @ 7.3-7.4/F.3-F.4
ONE @ 7.3-7.4/F.3-F.4



SECTION - B



DETAIL "7"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	1035A	HSS10X8X3/8	10'-2 3/8"	A500-GR.B-46	
2	b1035	L7X4X7/16	11'-2"	A36	GALV.
4	c1035	PL1/4"X8"	0'-10"	A36	
2	1035B	HSS10X8X3/8	7'-0 3/16"	A500-GR.B-46	
4	c1035	PL1/4"X8"	0'-10"	A36	
2	e1035	L7X4X7/16	8'-5 9/16"	A36	GALV.

FOR APPROVAL

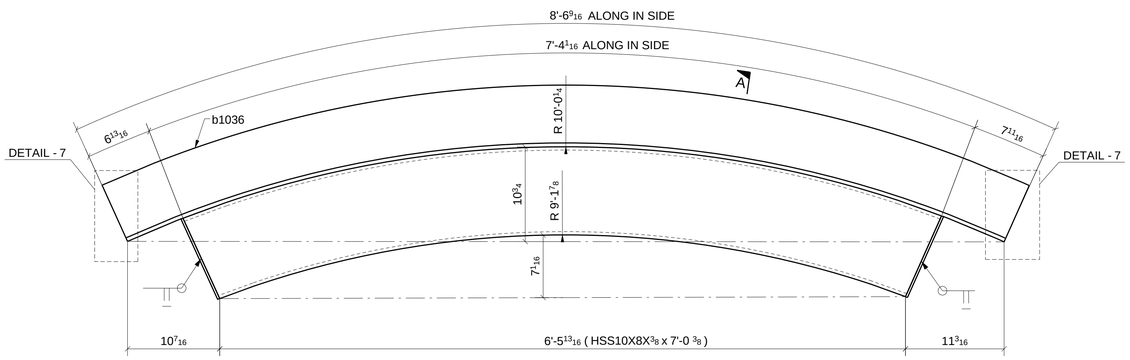
Romac By: _____ Checked By: _____
Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: _____ COLOR: _____

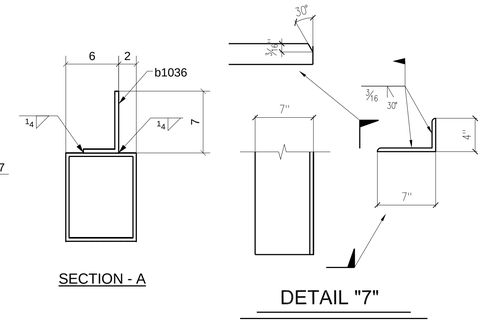
ATLAS IRON WORKS
ST. LOUIS, MO.

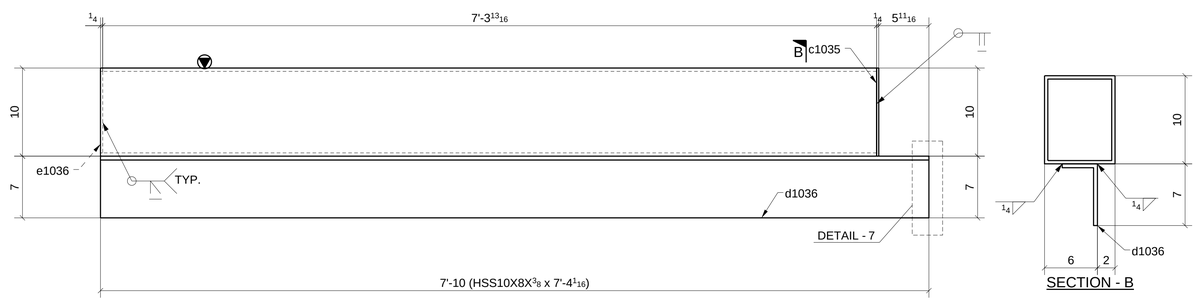
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: _____ DWG#: 1035



2 - BEAMS ~ 1036A

LOCATION: (REF: E10A,E10B)
ONE @ 7.4>/7.3-F.2
ONE @ 7.4>/7.3-F.2





ONE - BEAM ~ 1036B

LOCATION: (REF: E10A)
ONE @ 8/F-F.1

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	1036A	HSS10X8X3/8	7'-0 3/8"	A500-GR.B-46	
2	b1036	L7X4X7/16	8'-6 9/16"	A36	GALV.
4	c1035	PL1/4"X8"	0'-10 1/16"	A36	
1	1036B	HSS10X8X3/8	7'-4 1/16"	A500-GR.B-46	
1	c1035	PL1/4"X8"	0'-10"	A36	
1	d1036	L7X4X7/16	7'-10"	A36	GALV.
1	e1036	PL1/4"X7 1/4"	0'-9 1/4"	A36	

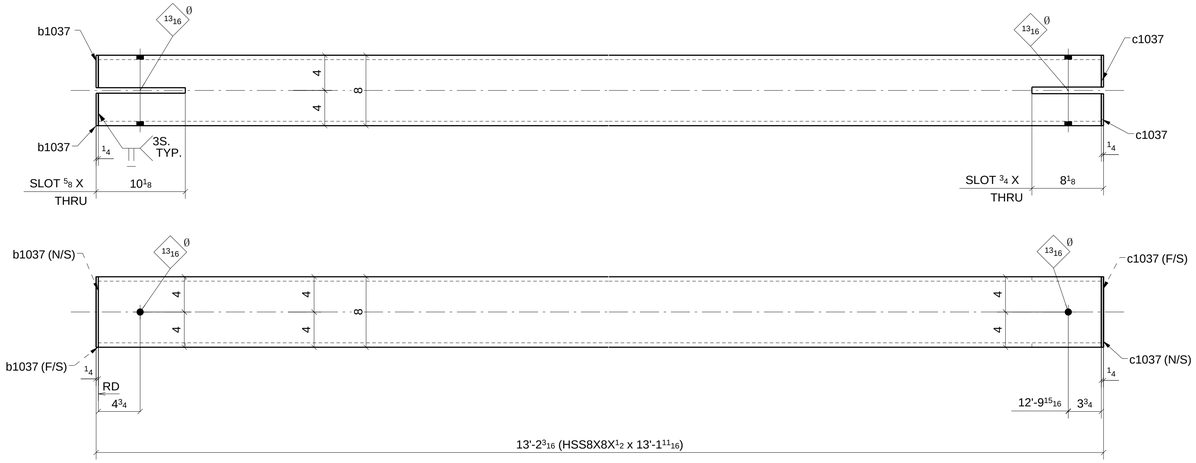
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

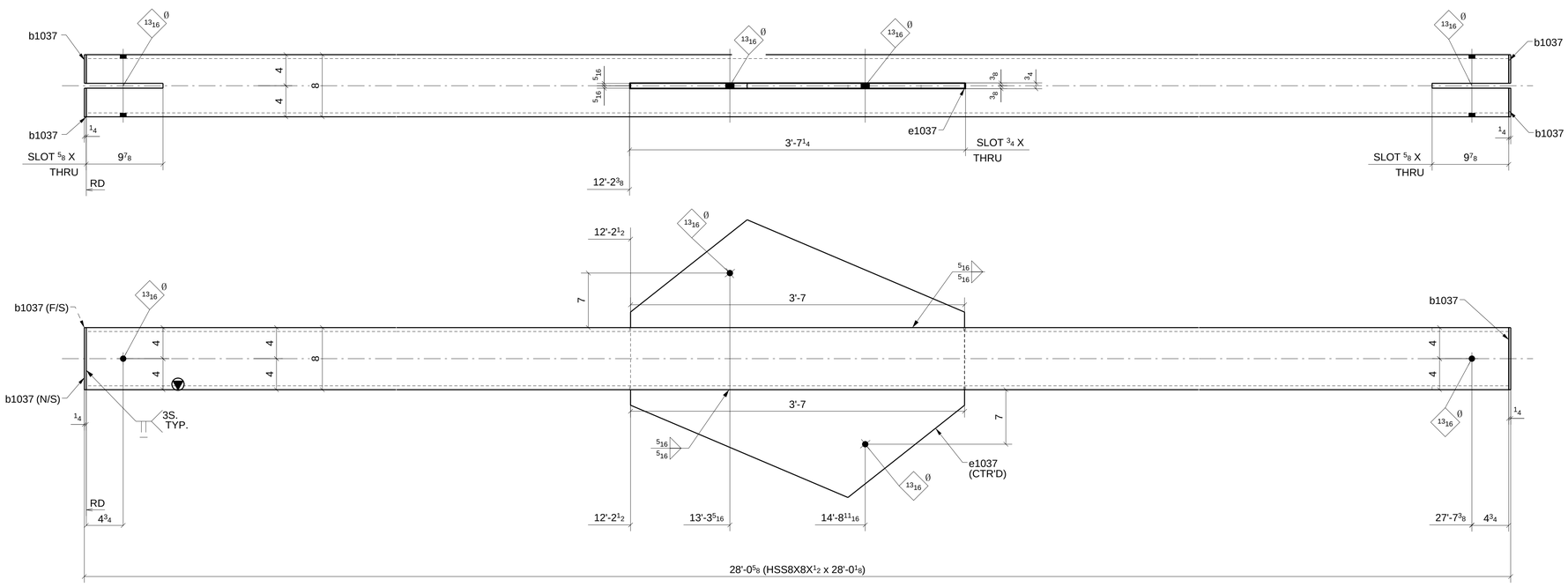
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1036



ONE - VERTICAL BRACE ~ 1037A

(REF: E10C)



ONE - VERTICAL BRACE ~ 1037B

(REF: E10C)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1037A	HSS8X8X1/2	13'-1 11/16"	A500-GR.B-46	
2	b1037	PL1/4"X3 11/16"	0'-8"	A36	
2	c1037	PL1/4"X3 5/8"	0'-8"	A36	
1	1037B	HSS8X8X1/2	28'-0 1/8"	A500-GR.B-46	
4	b1037	PL1/4"X3 11/16"	0'-8"	A36	
1	e1037	PL5/8"X27 13/16"	3'-8 1/4"	A572-GR.50	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

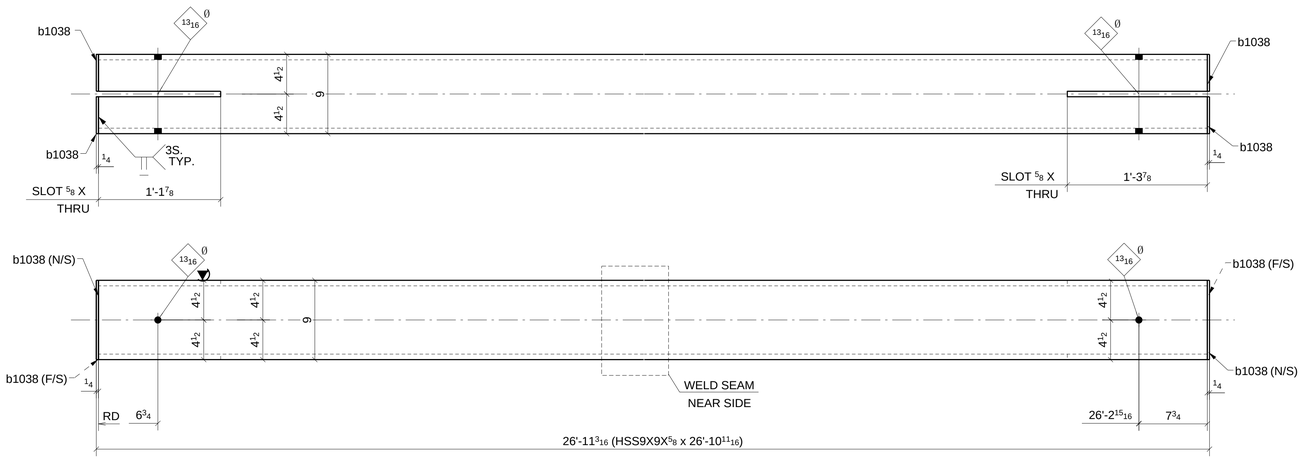
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

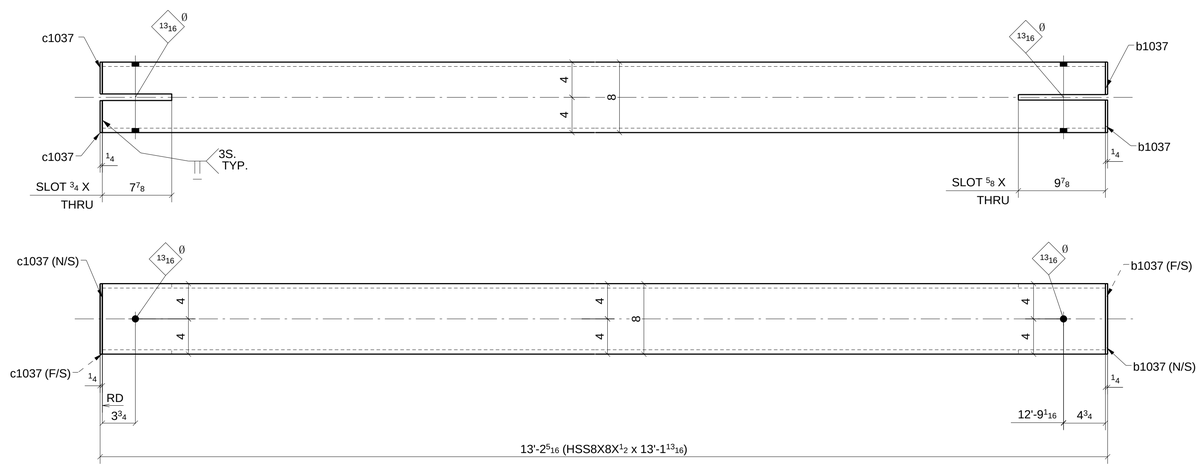
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016

Job No. A16013 BAT: _____ DWG#: 1037



ONE - VERTICAL BRACE ~ 1038A

(REF: E10C)



ONE - VERTICAL BRACE ~ 1038B

(REF: E10C)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1038A	HSS9X9X5/8	26'-10 11/16"	A500-GR.B-46	
4	b1038	PL1/4"X4 3/16"	0'-9"	A36	
1	1038B	HSS8X8X1/2	13'-1 13/16"	A500-GR.B-46	
2	b1037	PL1/4"X3 11/16"	0'-8"	A36	
2	c1037	PL1/4"X3 5/8"	0'-8"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

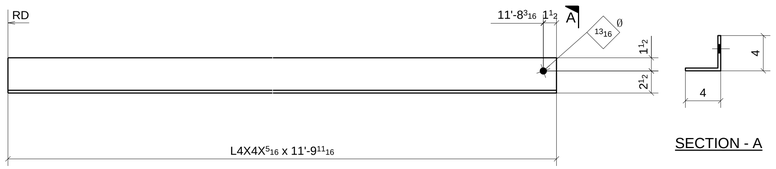
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016

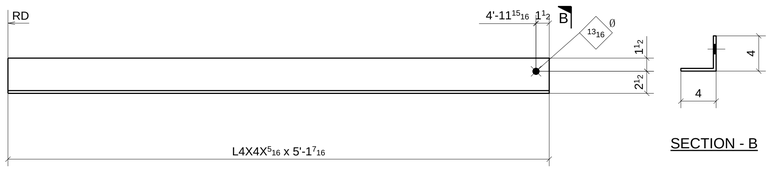
Job No. A16013 BAT: _____ DWG#: 1038



SECTION - A

ONE - ANGLE ~ 1039A

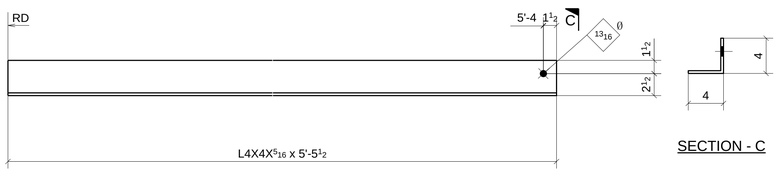
(REF: E10A)



SECTION - B

ONE - ANGLE ~ 1039B

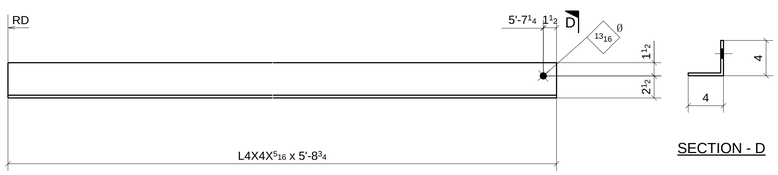
(REF: E10A)



SECTION - C

ONE - ANGLE ~ 1039C

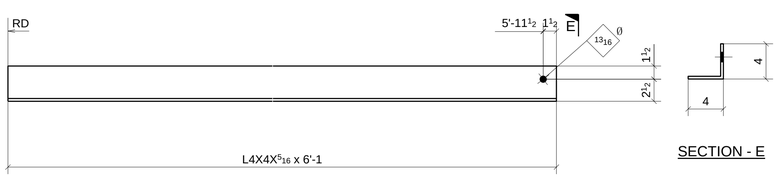
(REF: E10A)



SECTION - D

ONE - ANGLE ~ 1039D

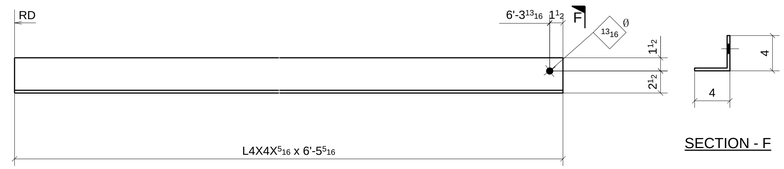
(REF: E10A)



SECTION - E

ONE - ANGLE ~ 1039F

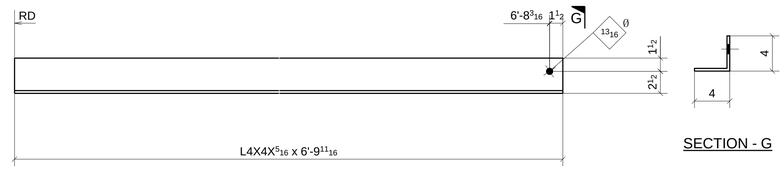
(REF: E10A)



SECTION - F

ONE - ANGLE ~ 1039H

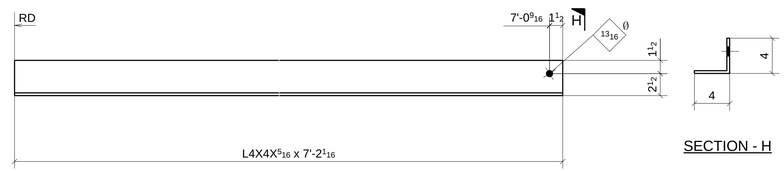
(REF: E10A)



SECTION - G

ONE - ANGLE ~ 1039K

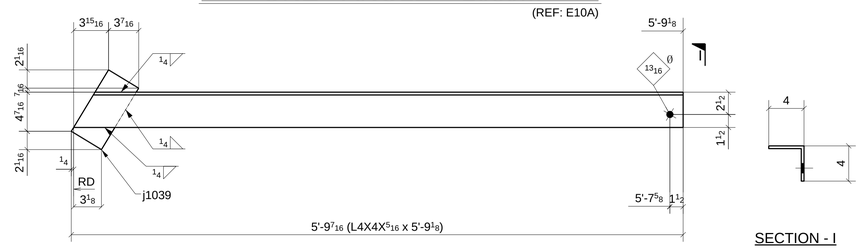
(REF: E10A)



SECTION - H

ONE - ANGLE ~ 1039M

(REF: E10A)



SECTION - I

ONE - ANGLE ~ 1039P

(REF: 0)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1039A	L4X4X5/16	11'-9 11/16"	A36	ANGLE
1	1039B	L4X4X5/16	5'-1 7/16"	A36	ANGLE
1	1039C	L4X4X5/16	5'-5 1/2"	A36	ANGLE
1	1039D	L4X4X5/16	5'-8 3/4"	A36	ANGLE
1	1039F	L4X4X5/16	6'-1"	A36	ANGLE
1	1039H	L4X4X5/16	6'-5 5/16"	A36	ANGLE
1	1039K	L4X4X5/16	6'-9 11/16"	A36	ANGLE
1	1039M	L4X4X5/16	7'-2 1/16"	A36	ANGLE
1	1039P	L4X4X5/16	5'-9 1/8"	A36	ANGLE
1	j1039	PL3/8"X4"	0'-8 1/8"	A36	ANGLE

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

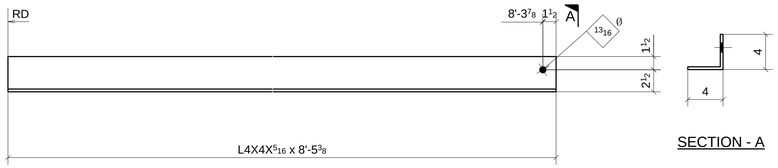
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

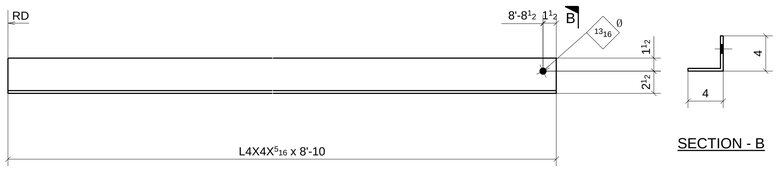
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/26/2016

Job No. A16013 BAT: _____ DWG#: 1039



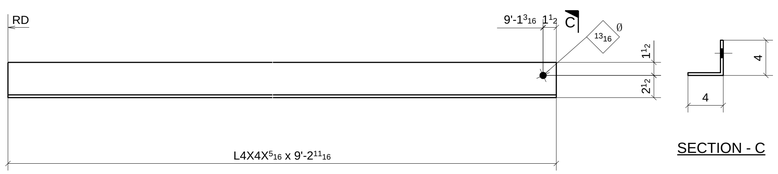
2 - ANGLES ~ 1040A

(REF: E10A,E10B)



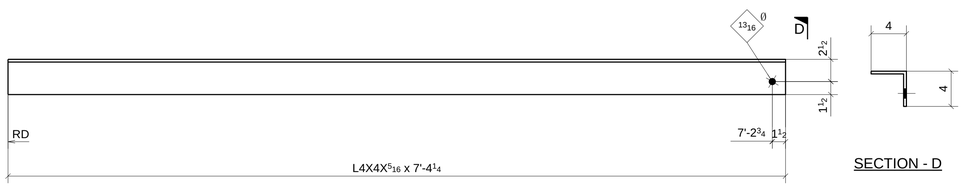
ONE - ANGLE ~ 1040B

(REF: E10A)



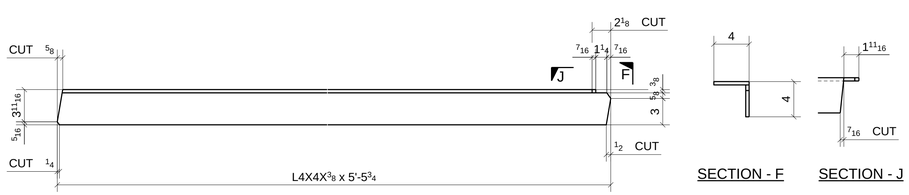
ONE - ANGLE ~ 1040C

(REF: E10A)



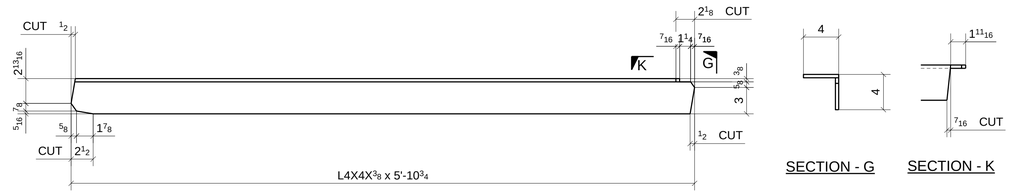
17 - ANGLES ~ 1040D

(REF: E10A)



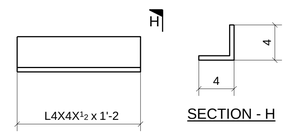
ONE - ANGLE ~ 1040H

(REF: E10A)



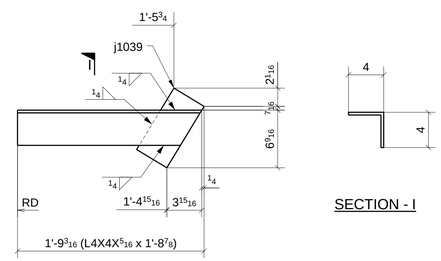
ONE - ANGLE ~ 1040K

(REF: E10A)



15 - ANGLES ~ 1040M

(REF: E10A,E10B)



ONE - ANGLE ~ 1040P

(REF: 0)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	1040A	L4X4X5/16	8'-5 3/8"	A36	ANGLE
1	1040B	L4X4X5/16	8'-10"	A36	ANGLE
1	1040C	L4X4X5/16	9'-2 11/16"	A36	ANGLE
17	1040D	L4X4X5/16	7'-4 1/4"	A36	ANGLE
1	1040H	L4X4X3/8	5'-5 3/4"	A36	ANGLE
1	1040K	L4X4X3/8	5'-10 3/4"	A36	ANGLE
15	1040M	L4X4X1/2	1'-2"	A36	ANGLE
1	1040P	L4X4X5/16	1'-8 7/8"	A36	ANGLE
1	j1039	PL3/8"X4"	0'-8 1/8"	A36	ANGLE

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: COLOR:

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

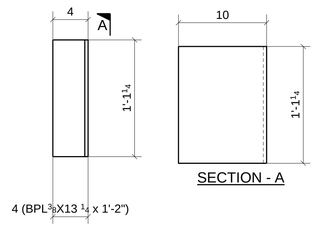
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: DWG#: 1040



2 - PLATES ~ 1041A

(REF: E10A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	1041A	BPL3/8"X13 1/4"	1'-2"	A36	ANGLE

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

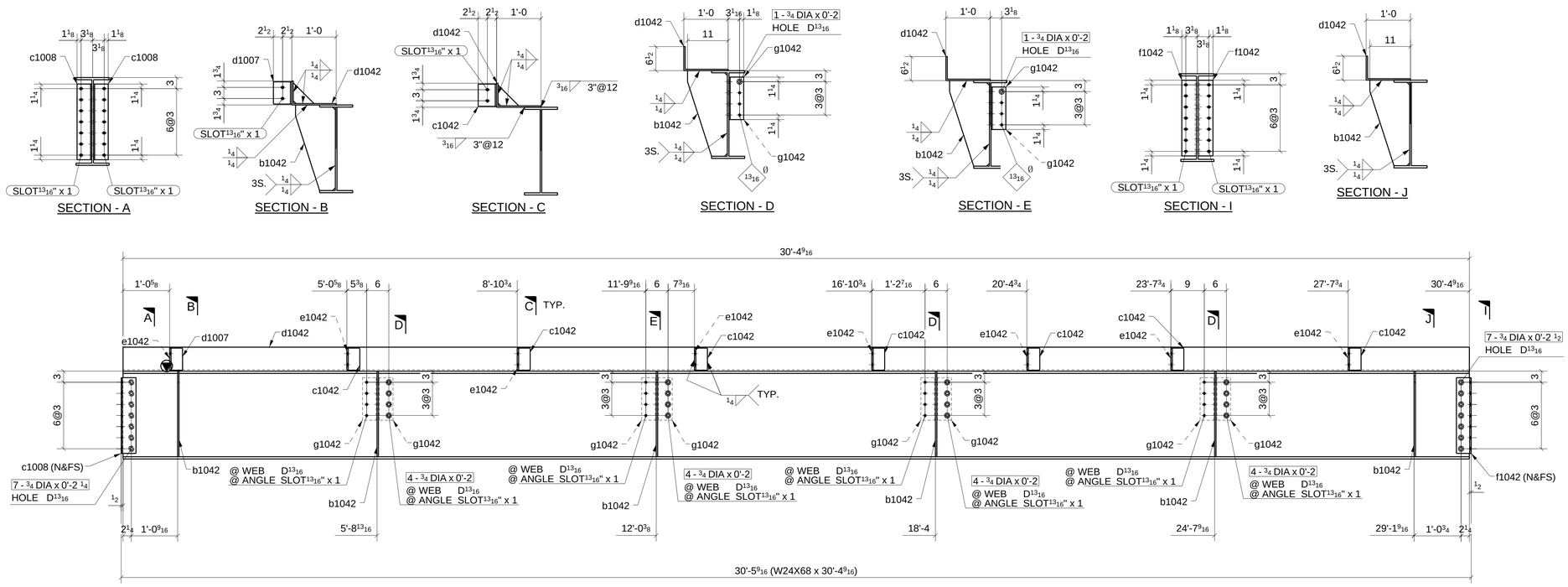
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: _____ DWG#: 1041



ONE - BEAM ~ 1042A

LOCATION: (REF: E10B)
ONE @ 8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

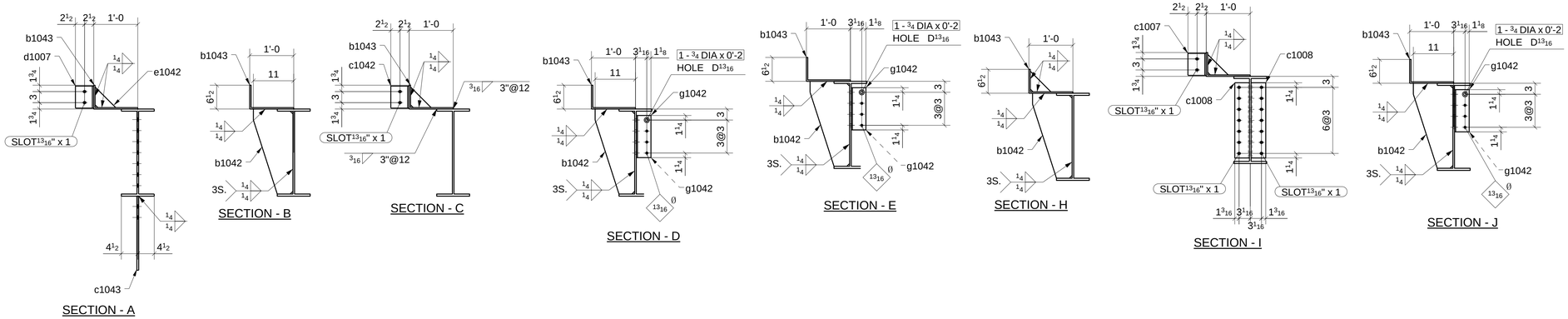
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1042A	W24X68	30'-4 9/16"	A992	
6	b1042	PL3/8"X10 13/16"	1'-11 3/16"	A36	
2	c1008	L4X4X5/16	1'-8 1/2"	A36	
7	c1042	L5X3-1/2X3/8	0'-6"	A36	
1	d1007	L5X3-1/2X3/8	0'-6"	A36	
1	d1042	BPL3/8"X18 1/2"	30'-4 9/16"	A36	
8	e1042	PL3/8"X5 5/8"	0'-5 5/8"	A36	
2	f1042	L4X4X3/8	1'-8 1/2"	A36	
8	g1042	L4X4X5/16	0'-11 1/2"	A36	
7		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
7		3/4" DIA. W/N&W	0'-2 1/2"	A325N TC	
16		3/4" DIA. W/N&W	0'-2"	A325N TC	

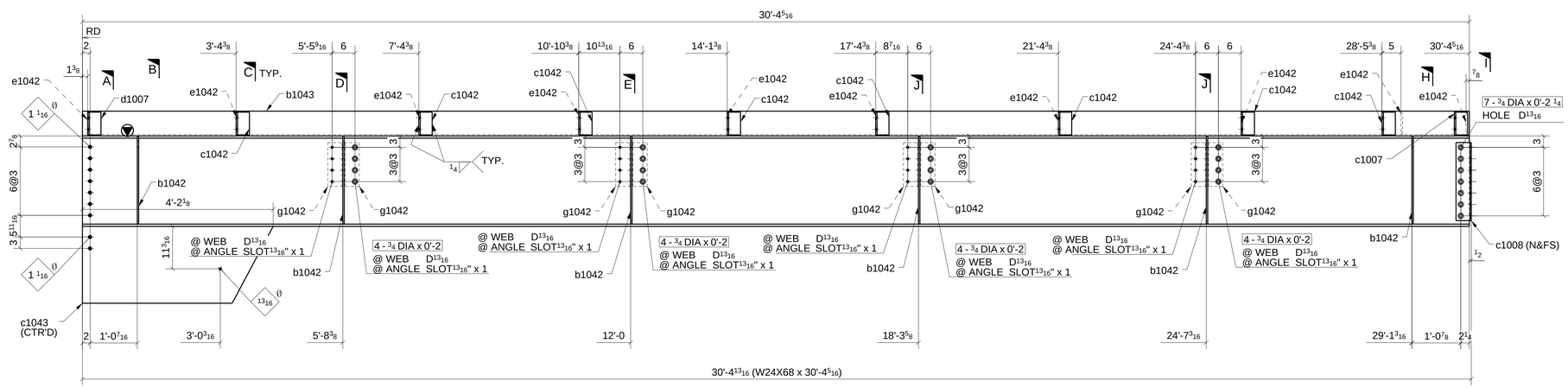
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1042





ONE - BEAM ~ 1043A

LOCATION: (REF: E10B)
ONE @ 8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

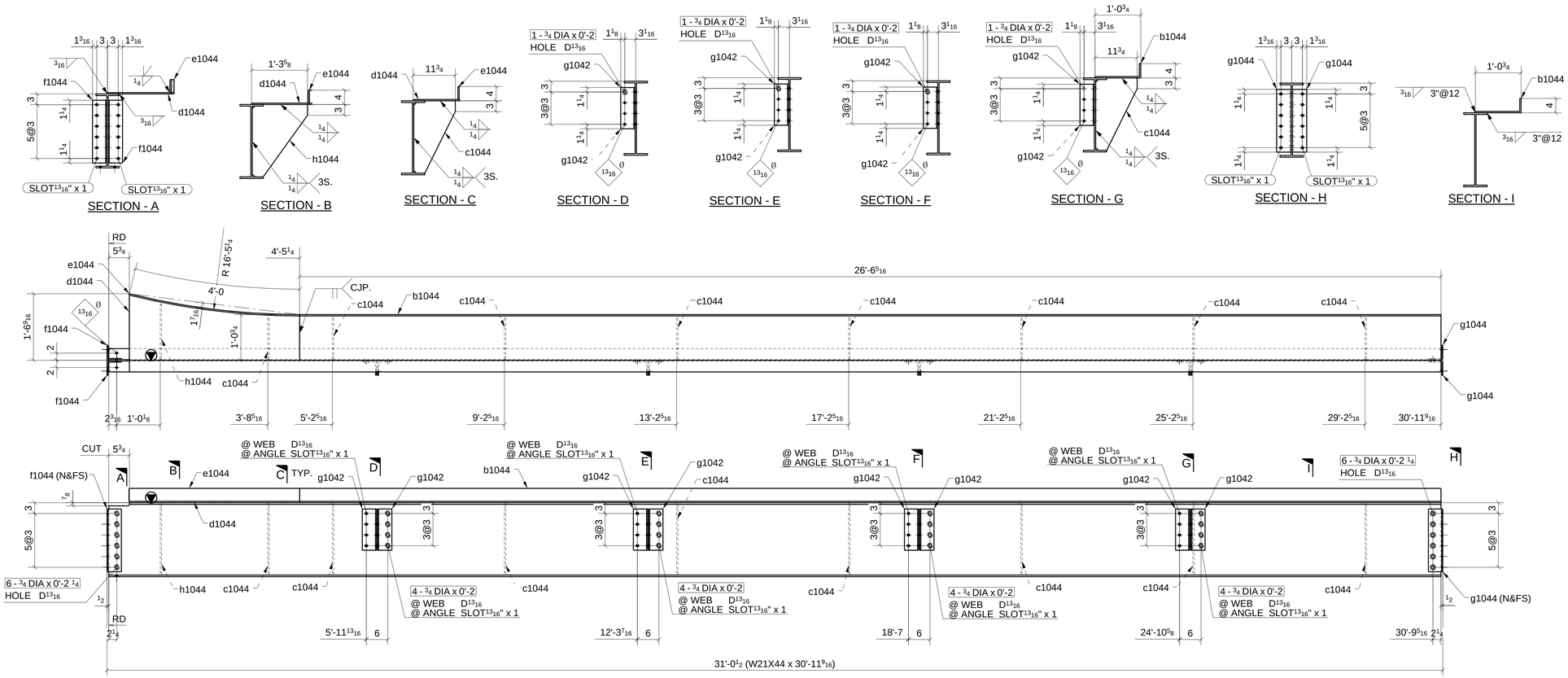
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1043A	W24X68	30'-4 5/16"	A992	
6	b1042	PL3/8"X10 13/16"	1'-11 3/16"	A36	
1	b1043	BPL3/8"X18 1/2"	30'-4 5/16"	A36	
1	c1007	L5X3-1/2X3/8	0'-6"	A36	
2	c1008	L4X4X5/16	1'-8 1/2"	A36	
8	c1042	L5X3-1/2X3/8	0'-6"	A36	
1	c1043	PL1/2"X20 3/16"	4'-2 1/8"	A572-GR.50	
1	d1007	L5X3-1/2X3/8	0'-6"	A36	
10	e1042	PL3/8"X5 5/8"	0'-5 5/8"	A36	
8	g1042	L4X4X5/16	0'-11 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
7		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
16		3/4" DIA. W/N&W	0'-2"	A325N_TC	

Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1043



ONE - BEAM ~ 1044A

LOCATION: (REF: E10B)
ONE @ 5/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1044A	W21X44	30'-11 9/16"	A992	
1	b1044	BPL3/8"X16 3/4"	26'-6 5/16"	A36	
8	c1044	PL3/8"X11 9/16"	1'-8 3/16"	A36	
1	d1044	PL3/8"X18 9/16"	3'-11 1/2"	A36	
1	e1044	BPL3/8"X3 5/8"	4'-0 1/16"	A36	
2	f1044	L4X4X5/16	1'-5 1/2"	A36	
8	g1042	L4X4X5/16	0'-11 1/2"	A36	
2	g1044	L4X4X5/16	1'-5 1/2"	A36	
1	h1044	PL3/8"X15 7/16"	1'-8 3/16"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
16		3/4" DIA. W/N&W	0'-2"	A325N_TC	

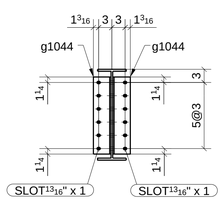
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

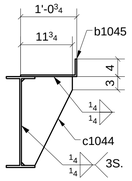
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

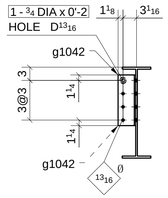
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1044



SECTION - A



SECTION - B



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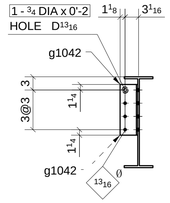

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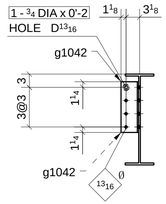
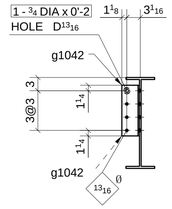
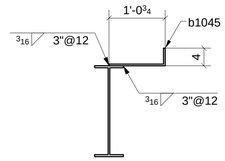


SECTION - E



SECTION - F



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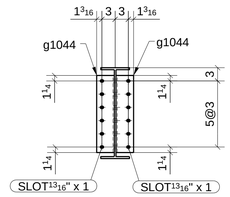

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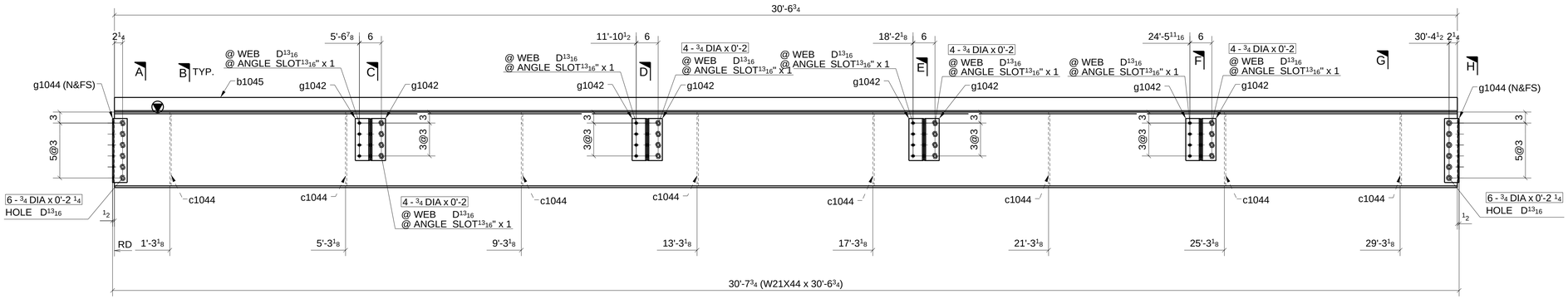
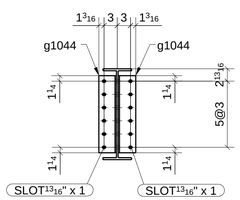
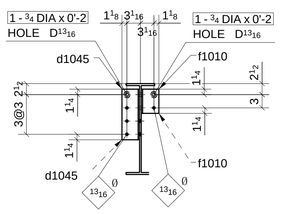


ONE - BEAM ~ 1045A

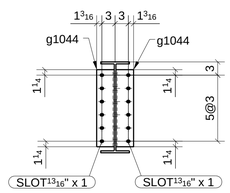
LOCATION: (REF: E10B)
ONE @ 5/E-F



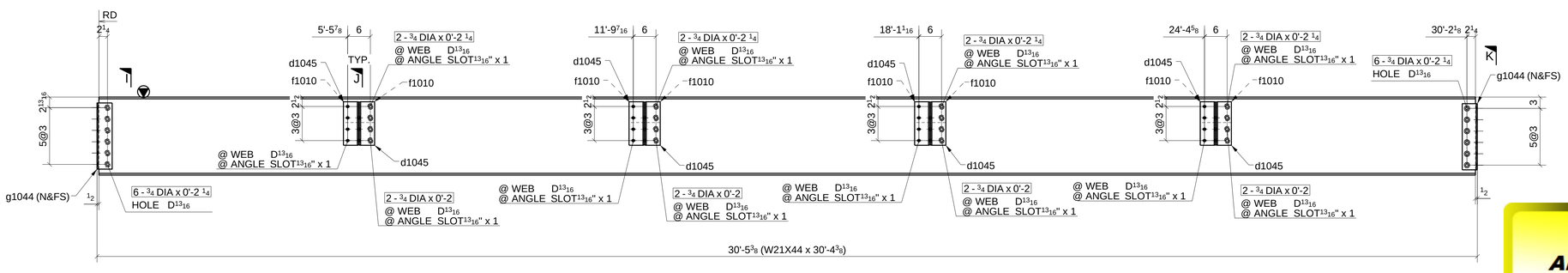
SECTION - I



SECTION - J



SECTION - K



ONE - BEAM ~ 1045B

LOCATION: (REF: E10B)
ONE @ 7/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

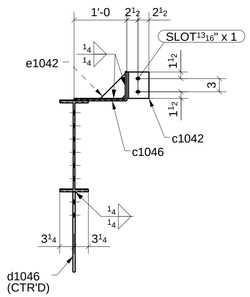
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1045A	W21X44	30'-6 3/4"	A992	
1	b1045	BPL3/8"X16 3/4"	30'-6 3/4"	A36	
8	c1044	PL3/8"X11 9/16"	1'-8 3/16"	A36	
8	g1042	L4X4X5/16	0'-11 1/2"	A36	
4	g1044	L4X4X5/16	1'-5 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
16		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1045B	W21X44	30'-4 3/8"	A992	
8	d1045	L4X4X5/16	0'-11 1/2"	A36	
8	f1010	L4X4X5/16	0'-5 1/2"	A36	
4	g1044	L4X4X5/16	1'-5 1/2"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	

Romac By: Checked By:
Beamline By: Checked By:

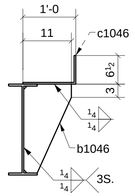
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

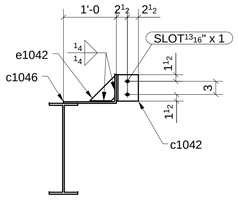
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES,MO 63119		
Dwn: ZZ	Date: 07/26/2016	Ckd: LJ	Date: 07/28/2016
Job No. A16013	BAT:	DWG#: 1045	



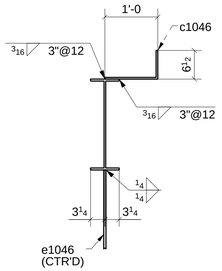
SECTION - A



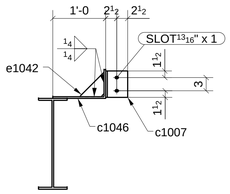
SECTION - B



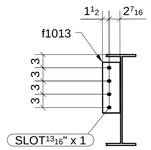
SECTION - C



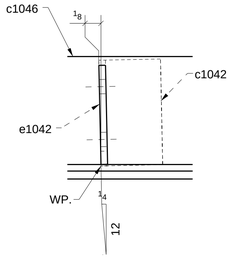
SECTION - D



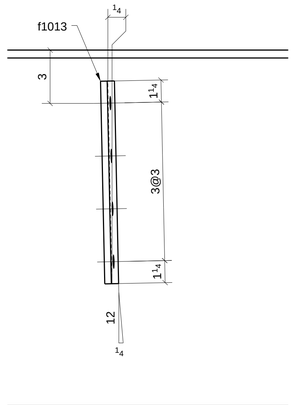
SECTION - E



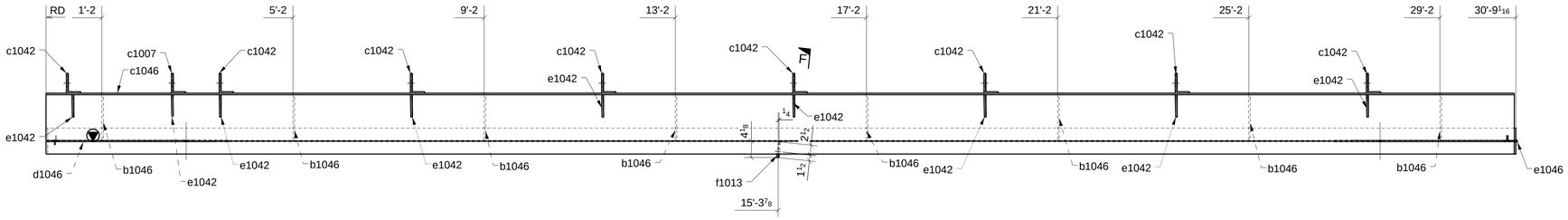
SECTION - F

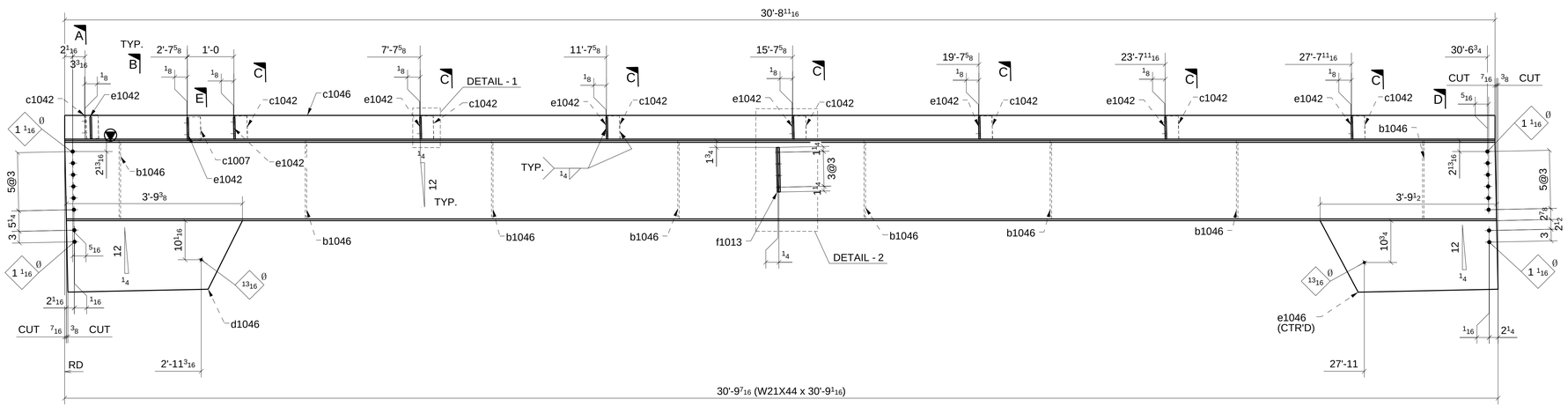


DETAIL 1



DETAIL 2





ONE - BEAM ~ 1046A

LOCATION: (REF: E10B)
ONE @ 5-6/F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1046A	W21X44	30'-9 1/16"	A992	
8	b1046	PL3/8"X10 13/16"	1'-8 3/16"	A36	
1	c1007	L5X3-1/2X3/8	0'-6"	A36	
8	c1042	L5X3-1/2X3/8	0'-6"	A36	
1	c1046	BPL3/8"X18 1/2"	30'-8 11/16	A36	
1	d1046	PL1/2"X18 7/16"	3'-9 3/8"	A572-GR.50	
9	e1042	PL3/8"X5 5/8"	0'-5 5/8"	A36	
1	e1046	PL1/2"X18 5/8"	3'-9 1/2"	A572-GR.50	
1	f1013	PL3/8"X3 15/16"	0'-11 1/2"	A36	

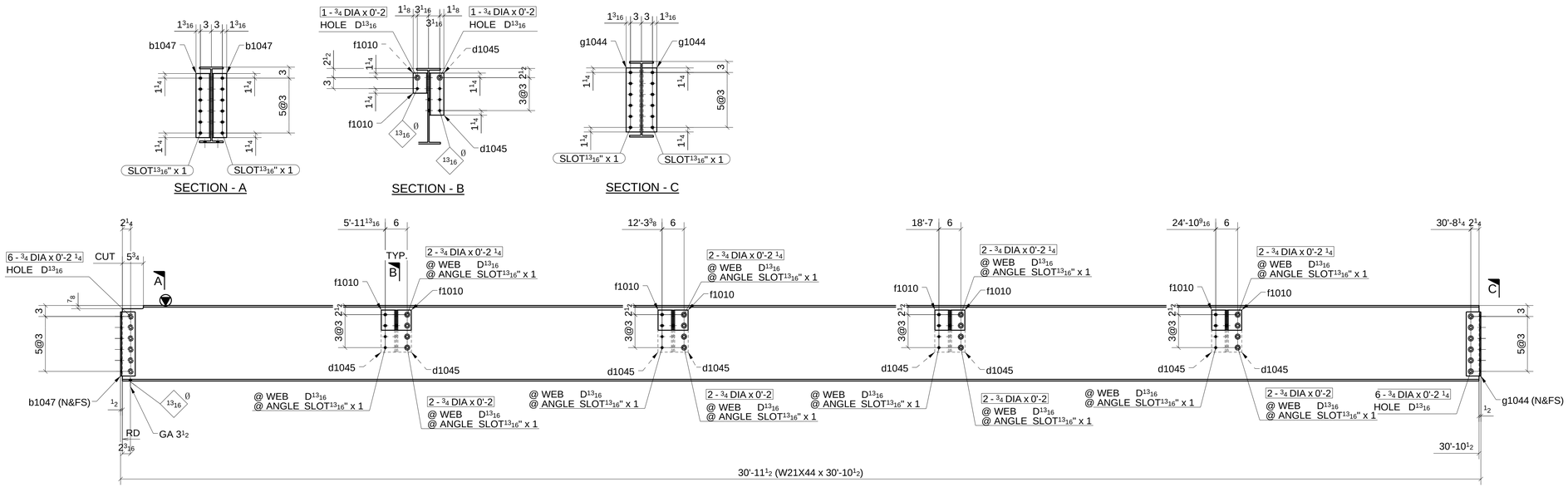
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

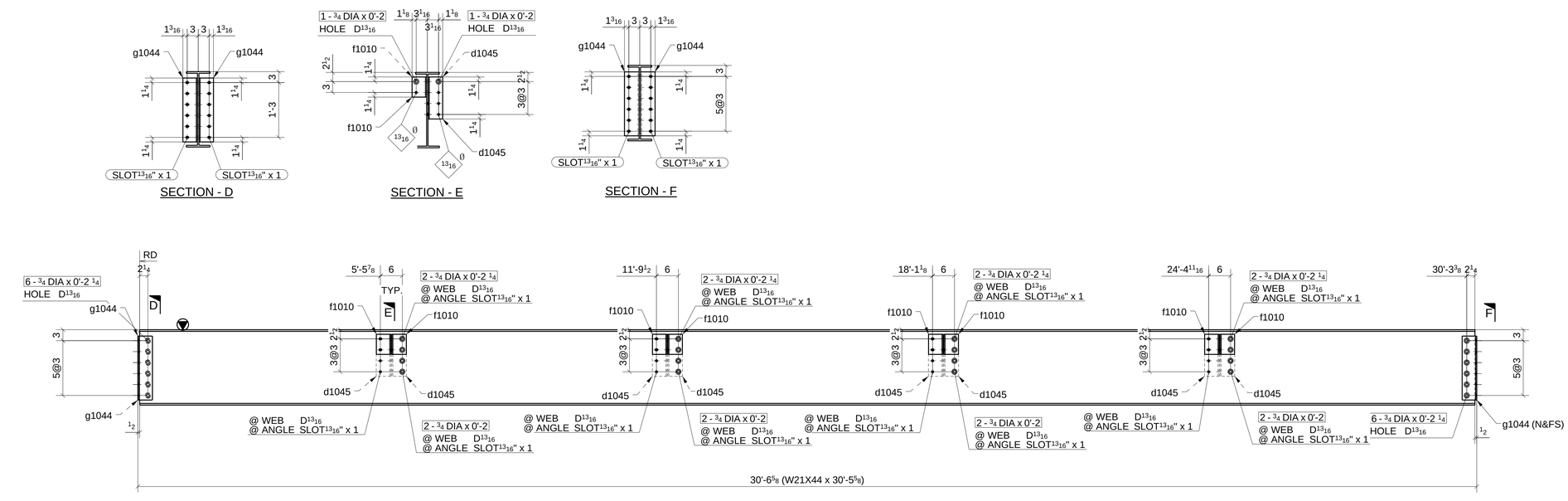
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1046



ONE - BEAM ~ 1047A

LOCATION: (REF: E10B)
ONE @ 6/D-E



ONE - BEAM ~ 1047B

LOCATION: (REF: E10B)
ONE @ 6/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1047A	W21X44	30'-10 1/2"	A992	
2	b1047	L4X4X5/16	1'-5 1/2"	A36	
8	d1045	L4X4X5/16	0'-11 1/2"	A36	
8	f1010	L4X4X5/16	0'-5 1/2"	A36	
2	g1044	L4X4X5/16	1'-5 1/2"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
1	1047B	W21X44	30'-5 5/8"	A992	
8	d1045	L4X4X5/16	0'-11 1/2"	A36	
8	f1010	L4X4X5/16	0'-5 1/2"	A36	
4	g1044	L4X4X5/16	1'-5 1/2"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	

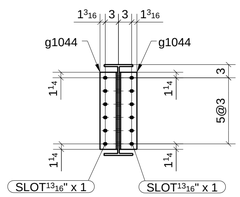
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

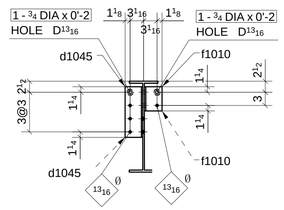
A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

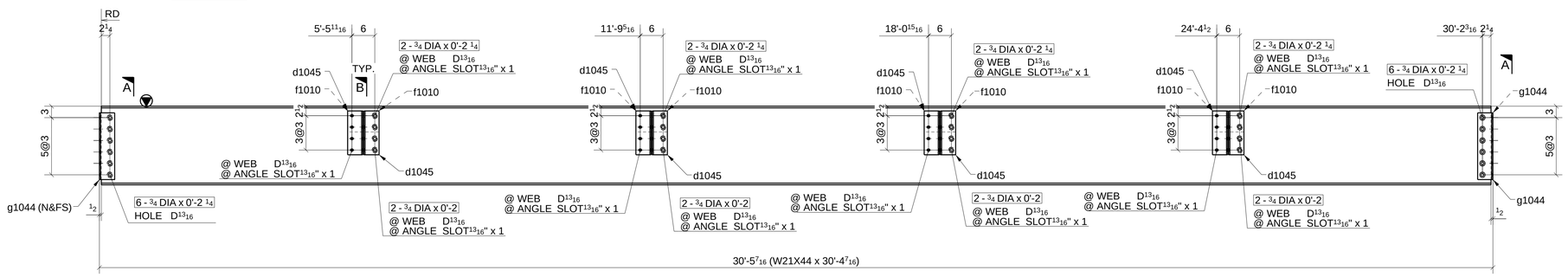
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1047



SECTION - A



SECTION - B



ONE - BEAM ~ 1048A

LOCATION: (REF: E10B)
ONE @ 7/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1048A	W21X44	30'-4 7/16"	A992	
8	d1045	L4X4X5/16	0'-11 1/2"	A36	
8	f1010	L4X4X5/16	0'-5 1/2"	A36	
4	g1044	L4X4X5/16	1'-5 1/2"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	

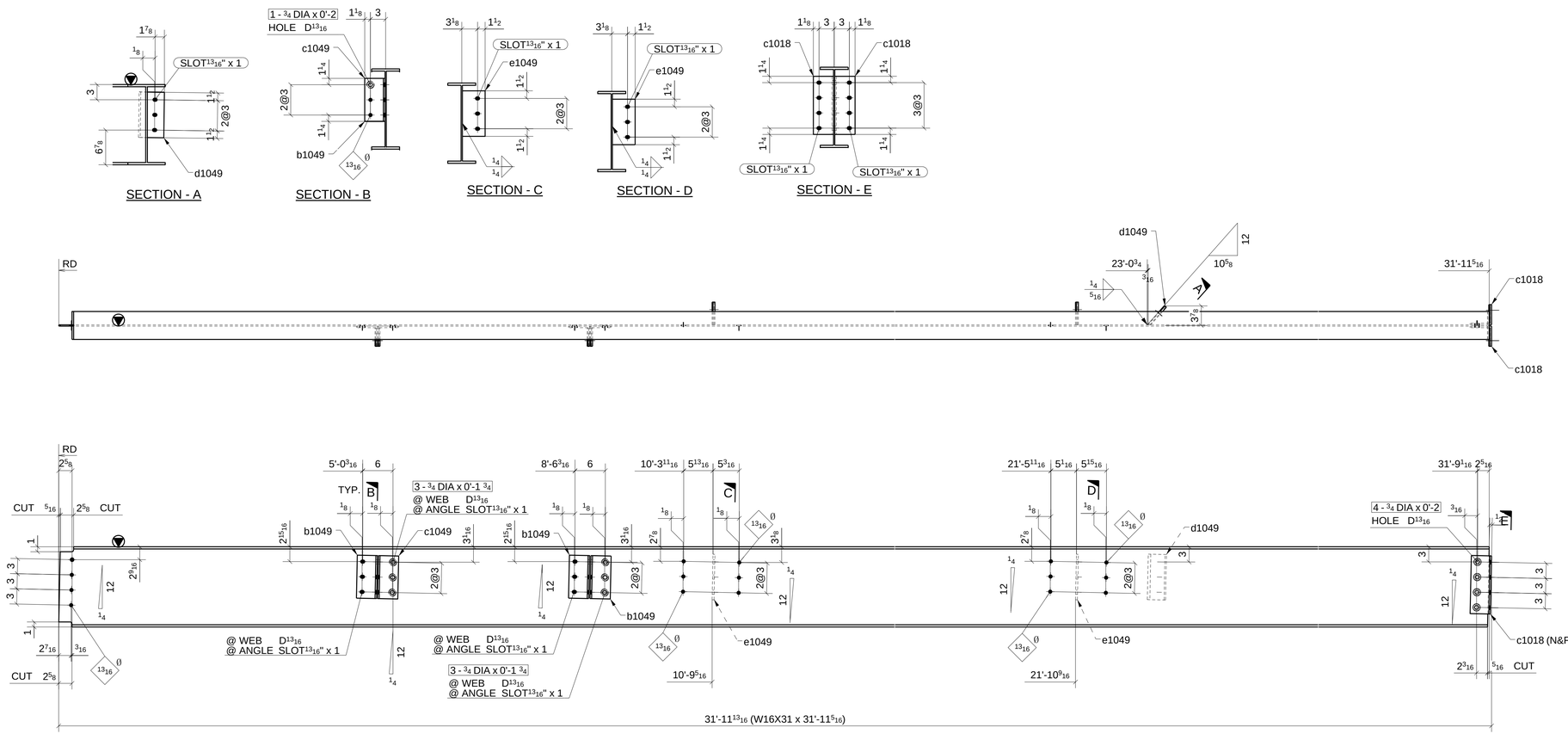
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1048



ONE - BEAM ~ 1049A

LOCATION: (REF: E10B)
ONE @ 7-8/F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1049A	W16X31	31'-11 5/16"	A992	
3	b1049	L4X4X5/16	0'-8 1/2"	A36	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
1	c1049	L4X4X5/16	0'-8 1/2"	A36	
1	d1049	PL3/8"X5"	0'-9"	A36	
2	e1049	PL3/8"X4 1/2"	0'-9"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
6		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	

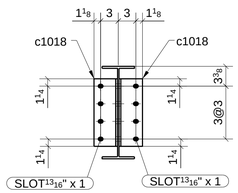
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

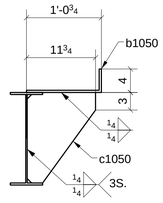
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

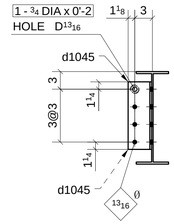
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1049



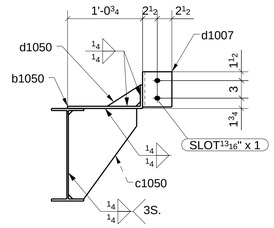
SECTION - A



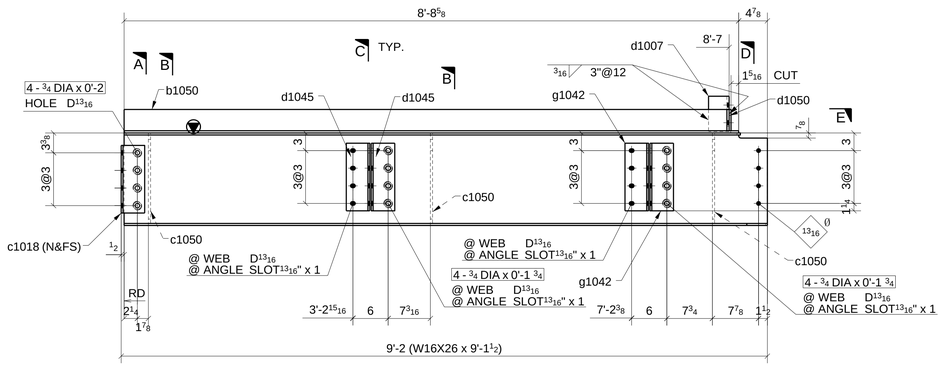
SECTION - B

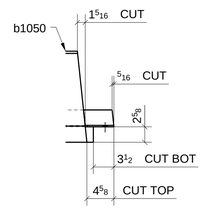


SECTION - C



SECTION - D

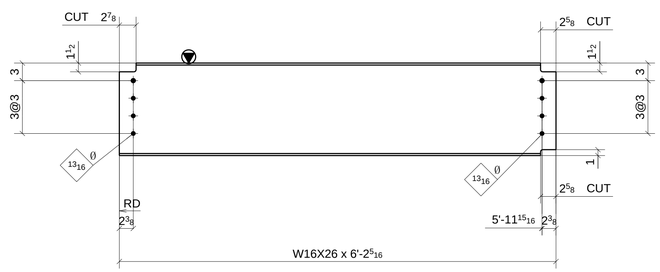




SECTION - E

ONE - BEAM ~ 1050A

LOCATION: (REF: E10B)
ONE @ 5/F-F.1>



ONE - BEAM ~ 1050B

LOCATION: (REF: E10B)
ONE @ 5-6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1050A	W16X26	9'-1 1/2"	A992	
1	b1050	BPL3/8"X16 3/4"	8'-8 5/8"	A36	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
3	c1050	PL3/8"X11 5/8"	1'-3 3/8"	A36	
1	d1007	L5X3-1/2X3/8	0'-6"	A36	
2	d1045	L4X4X5/16	0'-11 1/2"	A36	
1	d1050	PL3/8"X3 5/8"	0'-5 5/8"	A36	
2	g1042	L4X4X5/16	0'-11 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
8		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1	1050B	W16X26	6'-2 5/16"	A992	

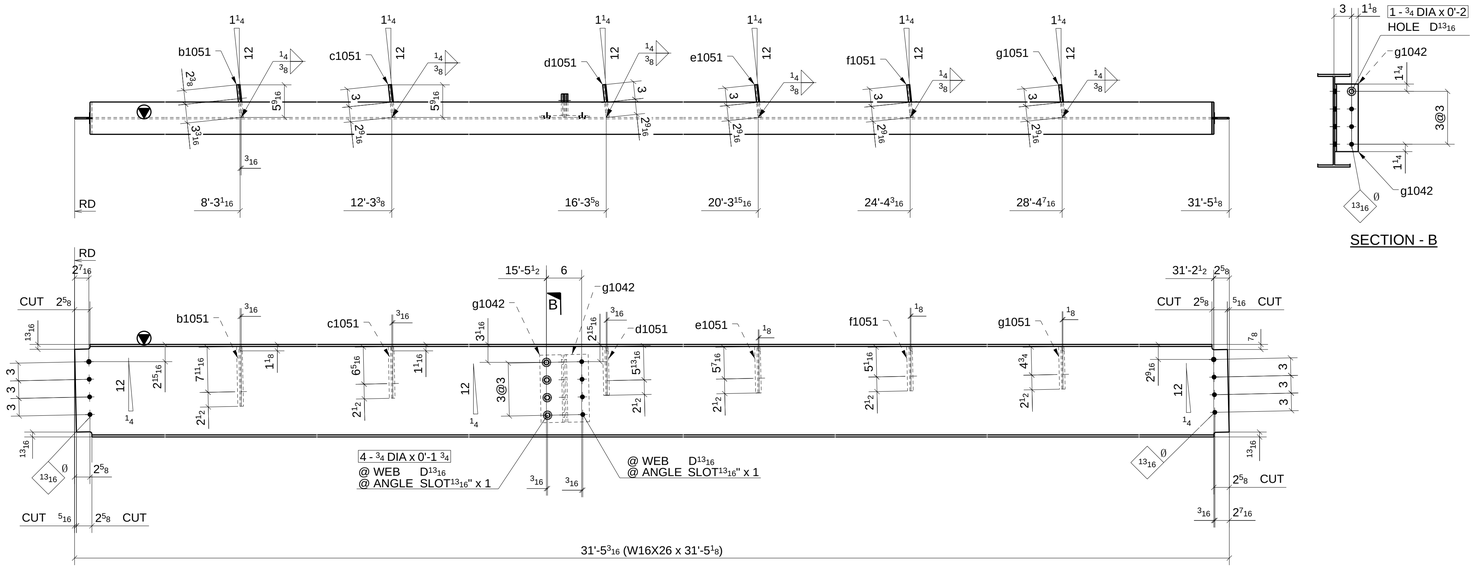
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A FOR APPROVAL 07/28/16

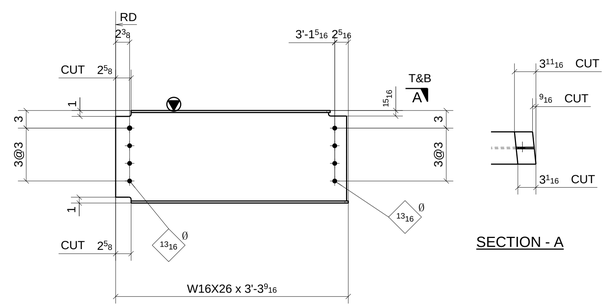
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/26/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1050



ONE - BEAM ~ 1051A

LOCATION: (REF: E10B)
ONE @ 5-6/F.1



ONE - BEAM ~ 1051B

LOCATION: (REF: E10B)
ONE @ 5-6/F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1051A	W16X26	31'-5 1/8"	A992	
1	b1051	PL3/8"X5 9/16"	0'-10 3/16"	A36	
1	c1051	PL3/8"X5 9/16"	0'-8 13/16"	A36	
1	d1051	PL3/8"X5 9/16"	0'-8 5/16"	A36	
1	e1051	PL3/8"X5 9/16"	0'-7 15/16"	A36	
1	f1051	PL3/8"X5 9/16"	0'-7 9/16"	A36	
2	g1042	L4X4X5/16	0'-11 1/2"	A36	
1	g1051	PL3/8"X5 9/16"	0'-7 1/4"	A36	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1051B	W16X26	3'-3 9/16"	A992	

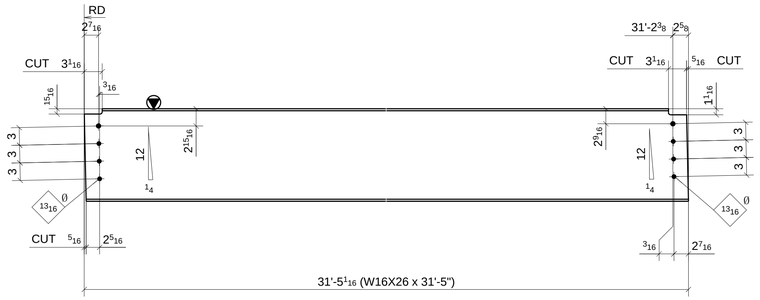
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A FOR APPROVAL 07/28/16

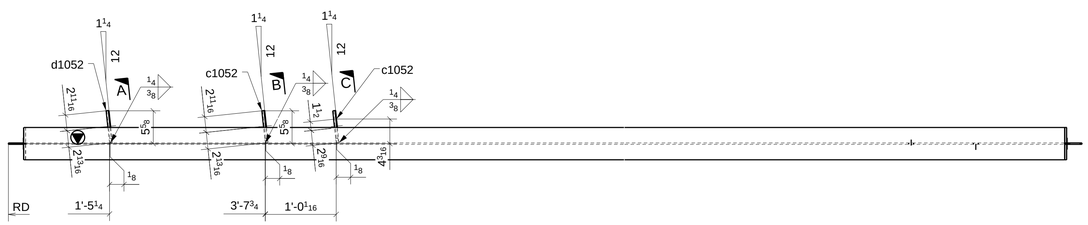
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

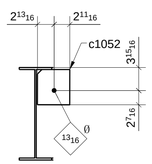
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1051



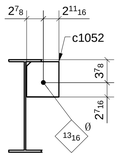
2 - BEAMS ~ 1052A

LOCATION: (REF: E10B)
ONE @ 5-6/D-E
ONE @ 5-6/E-F

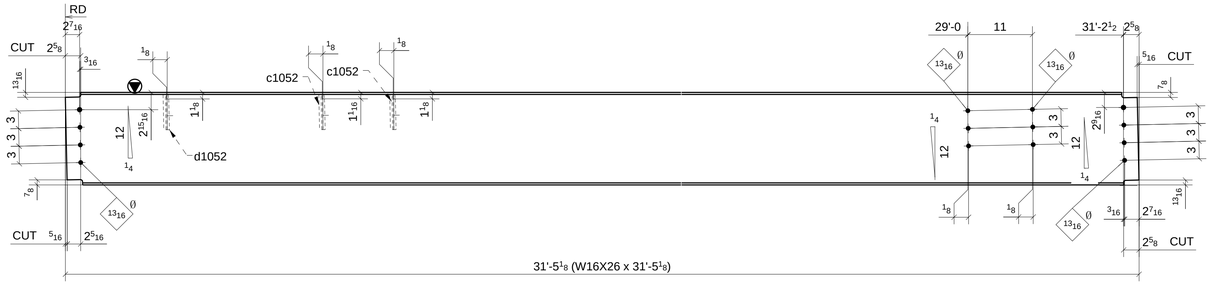


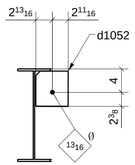


SECTION - B



SECTION - C





SECTION - A

ONE - BEAM ~ 1052B

LOCATION: (REF: E10B)
ONE @ 5-6/F-F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	1052A	W16X26	31'-5"	A992	
1	1052B	W16X26	31'-5 1/8"	A992	
2	c1052	PL3/8"X5 1/2"	0'-6"	A36	
1	d1052	PL3/8"X5 1/2"	0'-6"	A36	

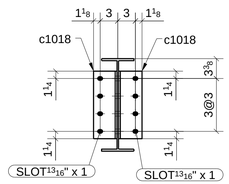
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

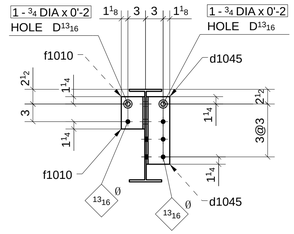
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

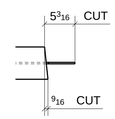
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1052



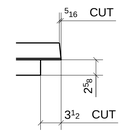
SECTION - A



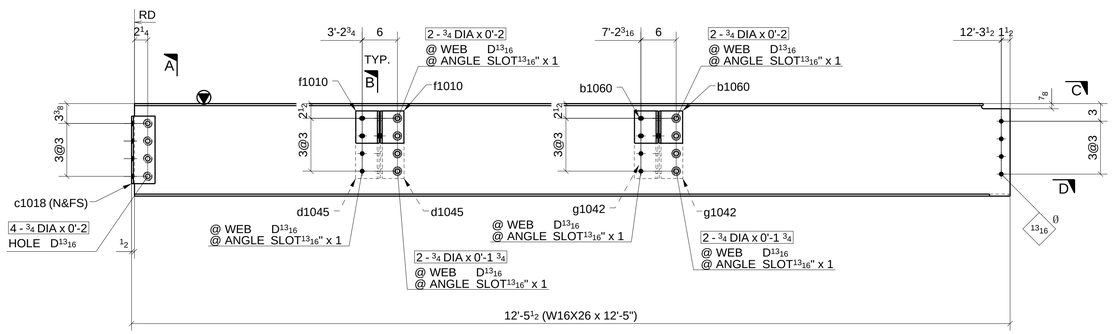
SECTION - B



SECTION - C

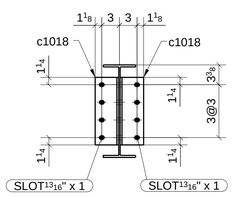


SECTION - D

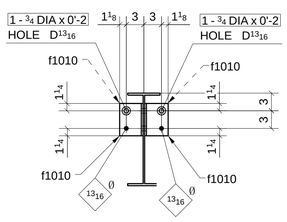


ONE - BEAM ~ 1053A

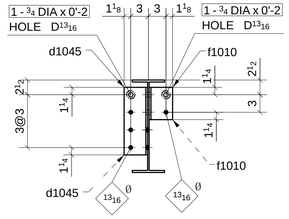
LOCATION: (REF: E10B)
ONE @ 6/F-F.1>



SECTION - E



SECTION - F



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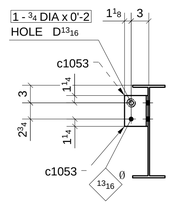

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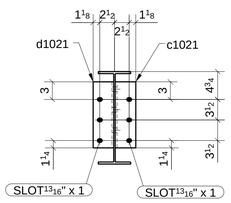
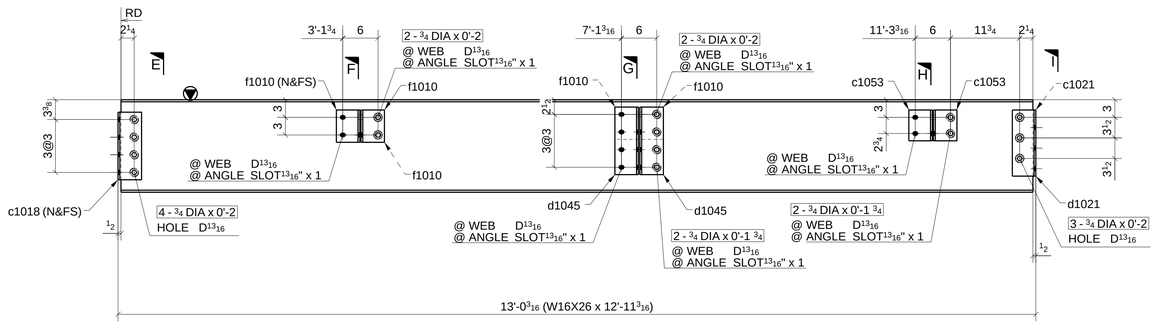


SECTION - I



ONE - BEAM ~ 1053B

LOCATION: (REF: E10B)
ONE @ 7/F-F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1053A	W16X26	12'-5"	A992	
2	b1060	L4X4X5/16	0'-5 1/2"	A36	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
2	d1045	L4X4X5/16	0'-11 1/2"	A36	
2	f1010	L4X4X5/16	0'-5 1/2"	A36	
2	g1042	L4X4X5/16	0'-11 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1053B	W16X26	12'-11 3/16"	A992	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
1	c1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
2	c1053	L4X4X5/16	0'-5 1/4"	A36	
1	d1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
2	d1045	L4X4X5/16	0'-11 1/2"	A36	
6	f1010	L4X4X5/16	0'-5 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
5		3/4" DIA. W/N&W	0'-2"	A325N TC	

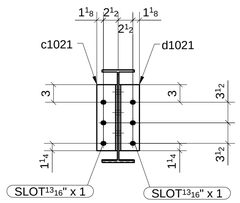
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

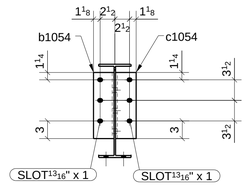
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

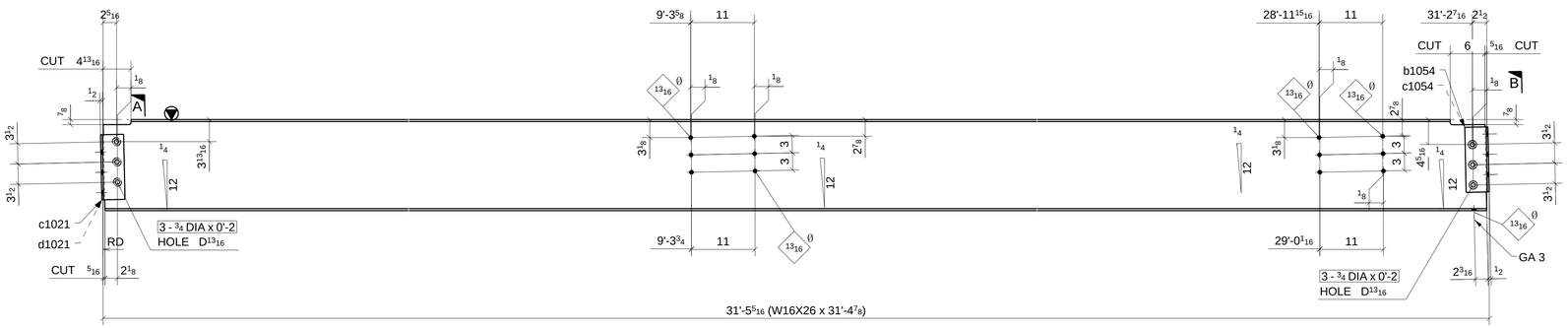
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1053



SECTION - A

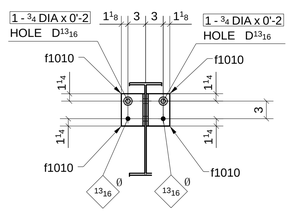


SECTION - B

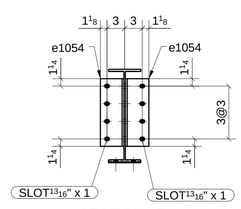


ONE - BEAM ~ 1054A

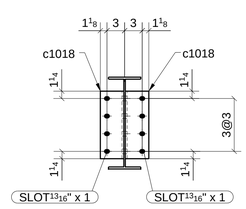
LOCATION: (REF: E10B)
ONE @ 5-6/F



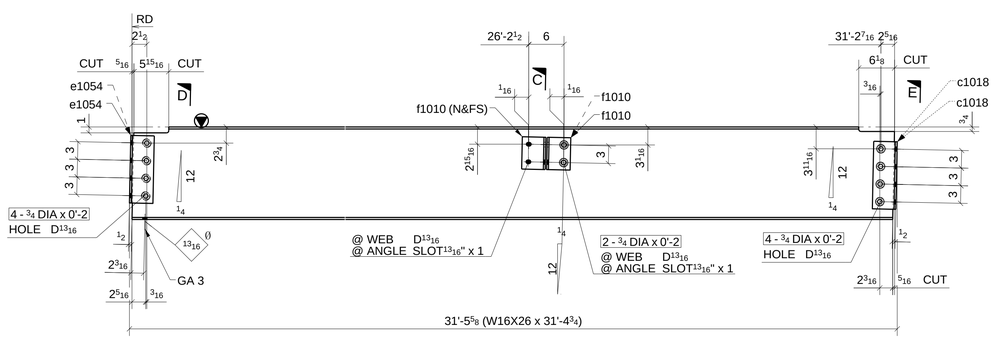
SECTION - C



SECTION - D



SECTION - E



ONE - BEAM ~ 1054B

LOCATION: (REF: E10B)
ONE @ 7-8/E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1054A	W16X26	31'-4 7/8"	A992	
1	b1054	L4X3-1/2X5/16	0'-11 1/4"	A36	
1	c1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
1	c1054	L4X3-1/2X5/16	0'-11 1/4"	A36	
1	d1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
6		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1054B	W16X26	31'-4 3/4"	A992	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
2	e1054	L4X4X5/16	0'-11 1/2"	A36	
4	f1010	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	

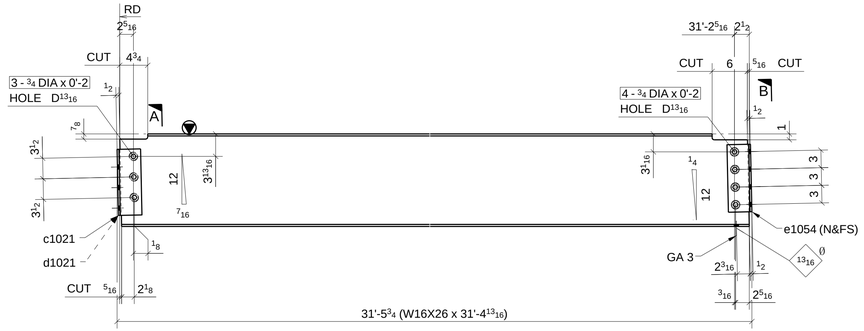
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

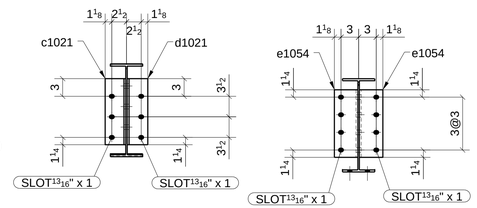
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1054



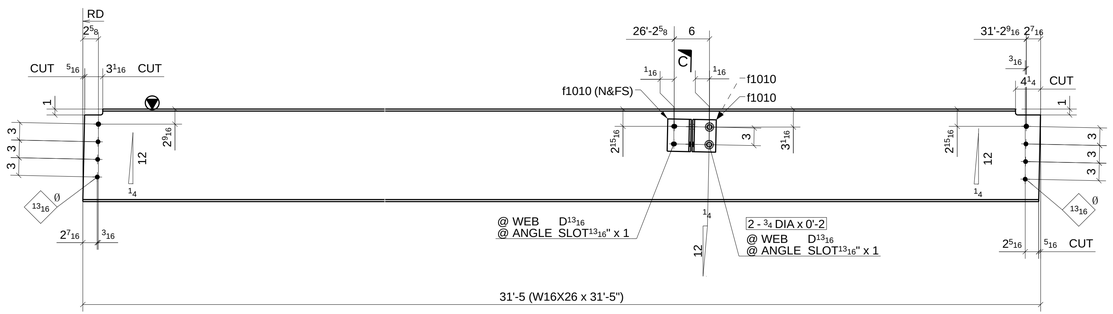
ONE - BEAM ~ 1055A

LOCATION: (REF: E10B)
ONE @ 5-6/E



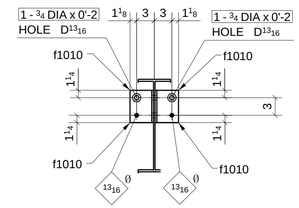
SECTION - A

SECTION - B

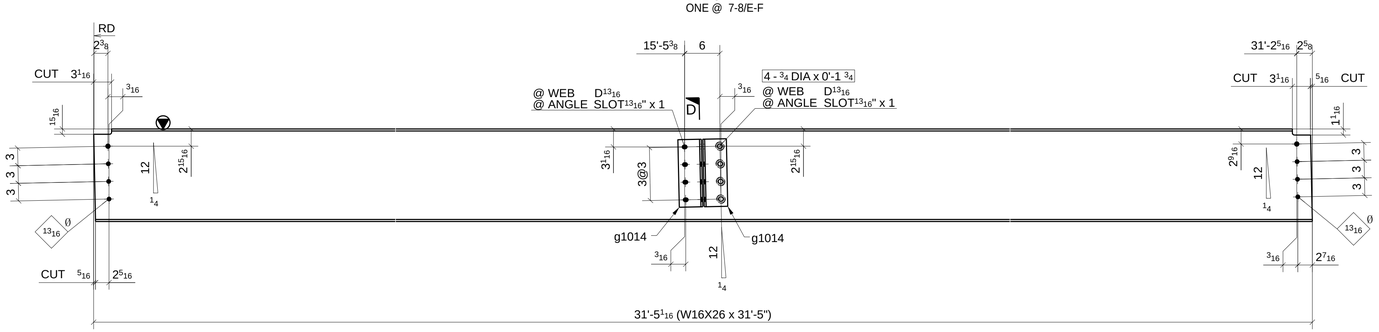


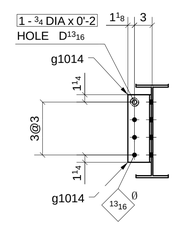
4 - BEAMS ~ 1055B

LOCATION: (REF: E10B)
ONE @ 7-8/D-E
ONE @ 7-8/D-E
ONE @ 7-8/E-F
ONE @ 7-8/E-F



SECTION - C





SECTION - D

ONE - BEAM ~ 1055C

LOCATION: (REF: E10B)
ONE @ 5-6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1055A	W16X26	31'-4 13/16"	A992	
1	c1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
1	d1021	L4X3-1/2X5/16	0'-11 1/4"	A36	
2	e1054	L4X4X5/16	0'-11 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
4	1055B	W16X26	31'-5"	A992	
16	f1010	L4X4X5/16	0'-5 1/2"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N_TC	
8		3/4" DIA. W/N&W	0'-2"	A325N_TC	
1	1055C	W16X26	31'-5"	A992	
2	g1014	L4X4X5/16	0'-11 1/2"	A36	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	

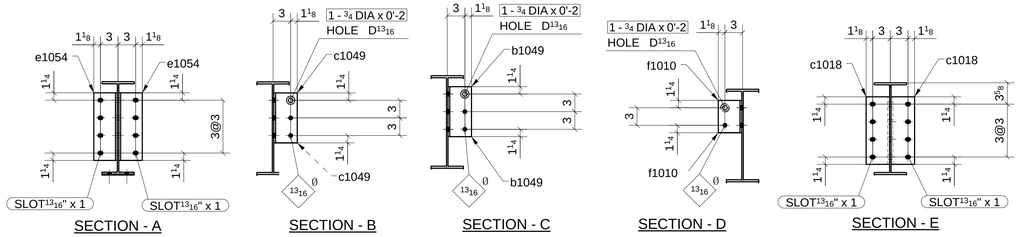
Romac By: Checked By:
Beamline By: Checked By:

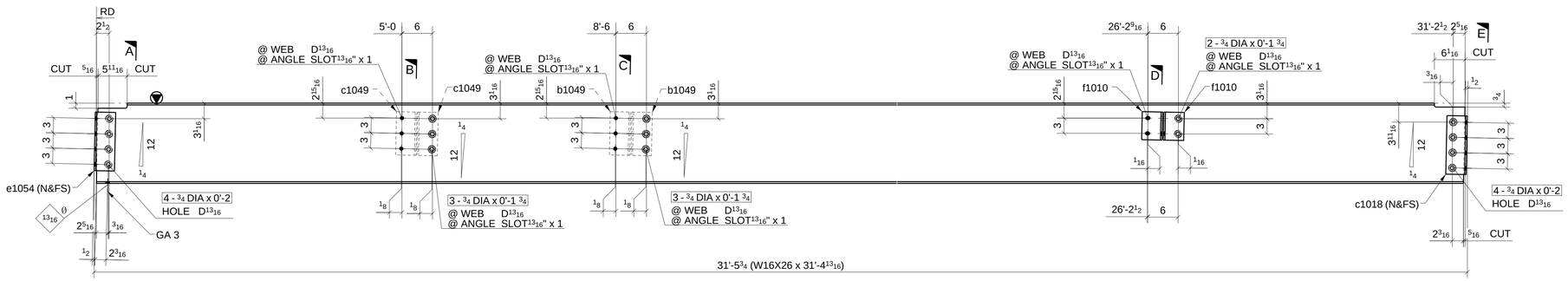
A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

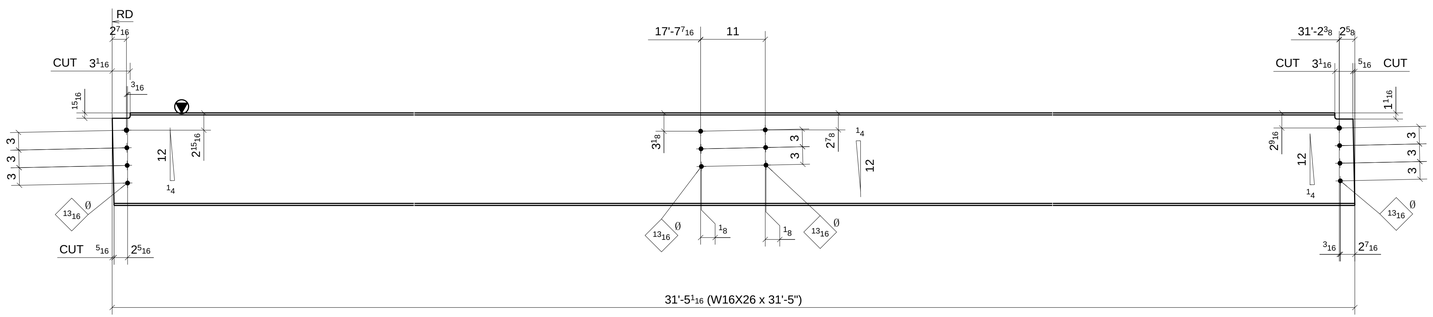
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1055





ONE - BEAM ~ 1056A

LOCATION: (REF: E10B)
ONE @ 7-8/F



4 - BEAMS ~ 1056B

LOCATION: (REF: E10B)
ONE @ 5-6/D-E
ONE @ 5-6/D-E
ONE @ 5-6/E-F
ONE @ 5-6/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1056A	W16X26	31'-4 13/16"	A992	
2	b1049	L4X4X5/16	0'-8 1/2"	A36	
2	c1018	L4X4X5/16	0'-11 1/2"	A36	
2	c1049	L4X4X5/16	0'-8 1/2"	A36	
2	e1054	L4X4X5/16	0'-11 1/2"	A36	
2	f1010	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
6		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
4	1056B	W16X26	31'-5"	A992	

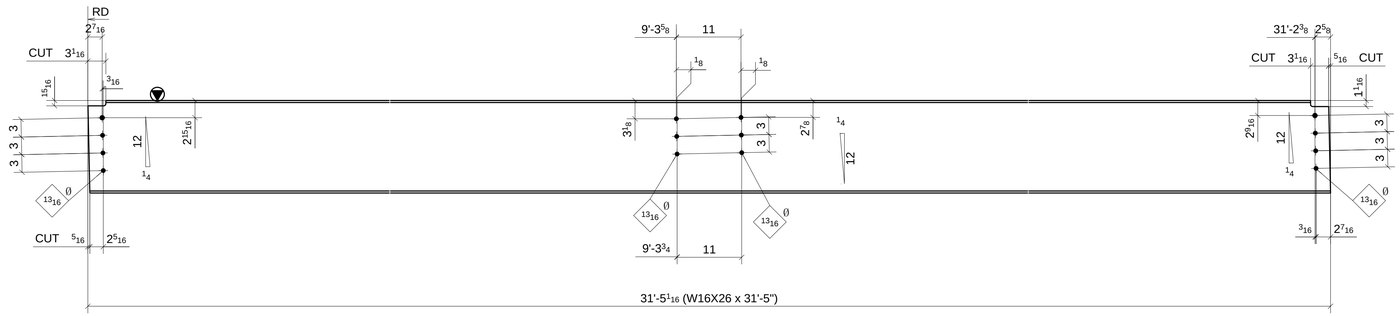
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

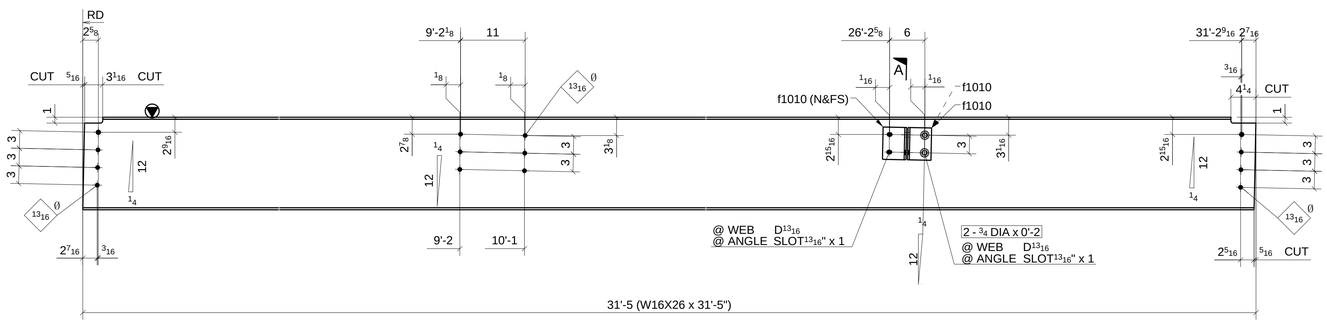
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1056



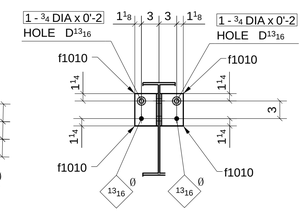
ONE - BEAM ~ 1057A

LOCATION: (REF: E10B)
ONE @ 5-6/E-F



4 - BEAMS ~ 1057B

LOCATION: (REF: E10B)
ONE @ 7-8/D-E
ONE @ 7-8/D-E
ONE @ 7-8/E-F
ONE @ 7-8/E-F



SECTION - A

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

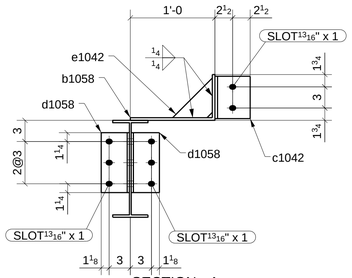
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1057A	W16X26	31'-5"	A992	
4	1057B	W16X26	31'-5"	A992	
16	f1010	L4X4X5/16	0'-5 1/2"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	
8		3/4" DIA. W/N&W	0'-2"	A325N TC	

Romac By: Checked By:
Beamline By: Checked By:

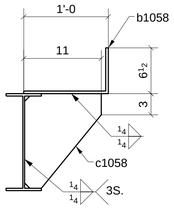
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

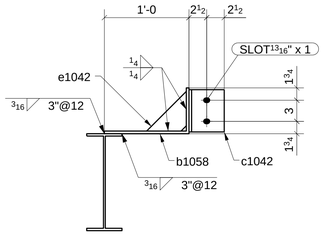
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1057



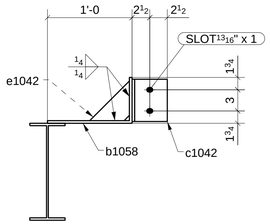
SECTION - A



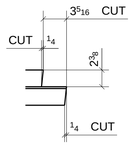
SECTION - B



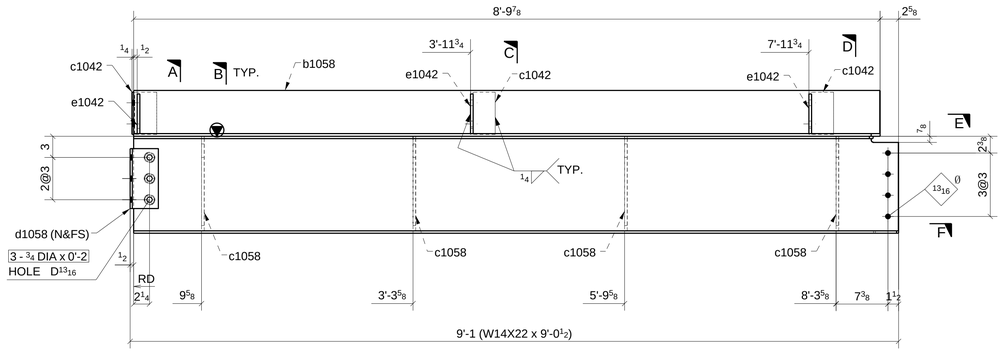
SECTION - C

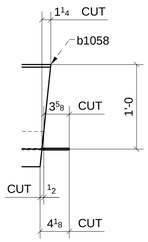


SECTION - D



SECTION - F

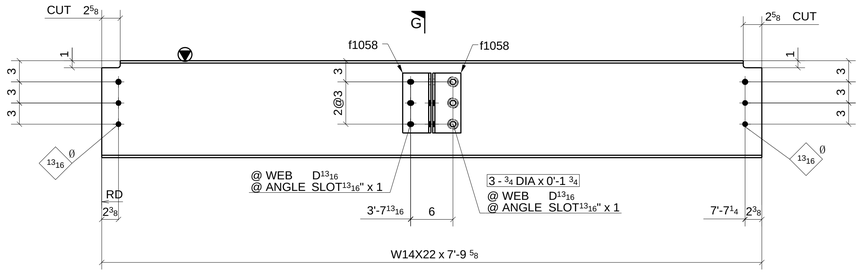


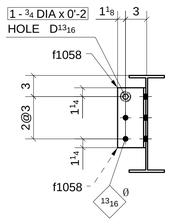


SECTION - E

ONE - BEAM ~ 1058A

LOCATION: (REF: E10B)
ONE @ 6-7/F.1>





SECTION - G

ONE - BEAM ~ 1058B

LOCATION: (REF: E10B)
ONE @ 7.1/F-F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1058A	W14X22	9'-0 1/2"	A992	
1	b1058	BPL3/8"X18 1/2"	8'-9 7/8"	A36	
3	c1042	L5X3-1/2X3/8	0'-6"	A36	
4	c1058	PL3/8"X10 7/8"	1'-1 7/16"	A36	
2	d1058	L4X4X5/16	0'-8 1/2"	A36	
3	e1042	PL3/8"X5 5/8"	0'-5 5/8"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1058B	W14X22	7'-9 5/8"	A992	
2	f1058	L4X4X5/16	0'-8 1/2"	A36	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1		3/4" DIA. W/N&W	0'-2"	A325N TC	

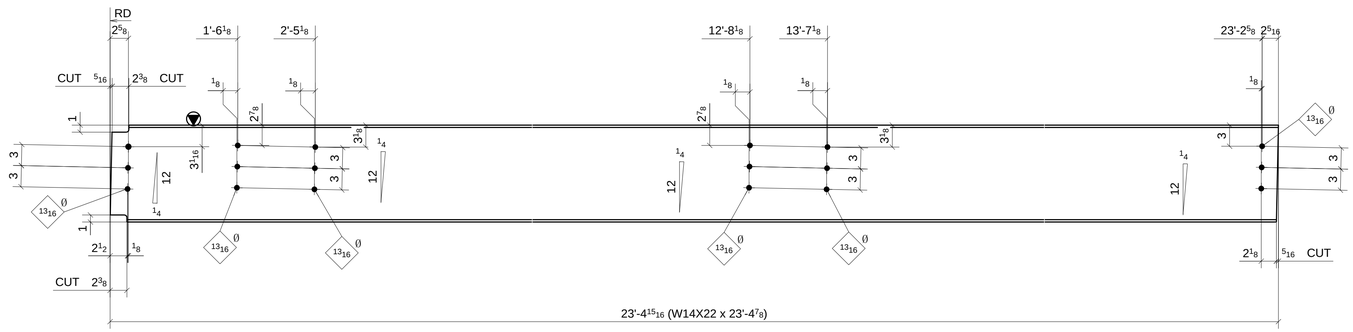
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

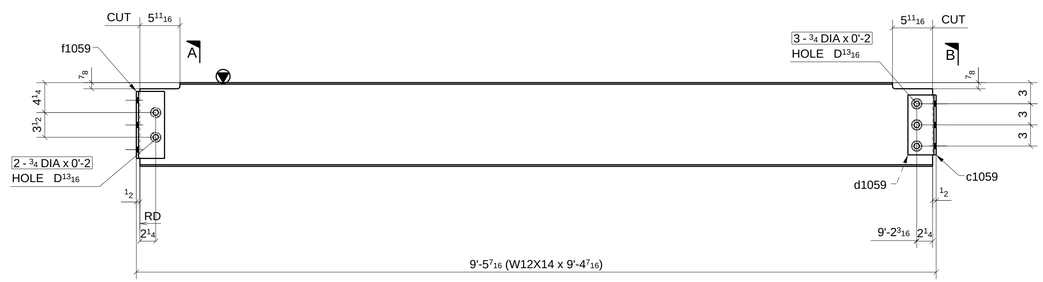
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1058



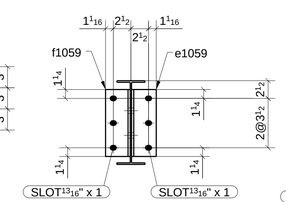
ONE - BEAM ~ 1059A

LOCATION: (REF: E10B)
ONE @ 7.1-8/F-F.1

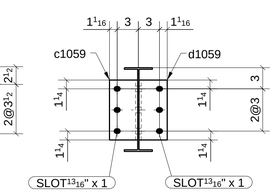


ONE - BEAM ~ 1059B

LOCATION: (REF: E10B)
ONE @ 6-7/F



SECTION - A



SECTION - B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1059A	W14X22	23'-4 7/8"	A992	
1	1059B	W12X14	9'-4 7/16"	A992	
1	c1059	L4X4X5/16	0'-8 1/2"	A36	
1	d1059	L4X4X5/16	0'-8 1/2"	A36	
1	e1059	L4X3-1/2X5/16	0'-9 1/2"	A36	
1	f1059	L4X3-1/2X5/16	0'-9 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	

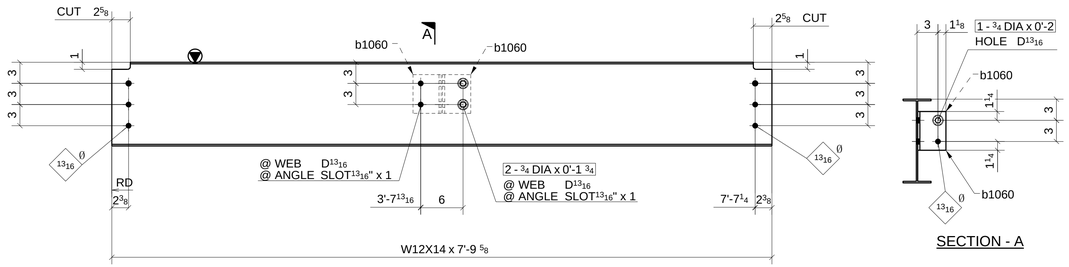
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

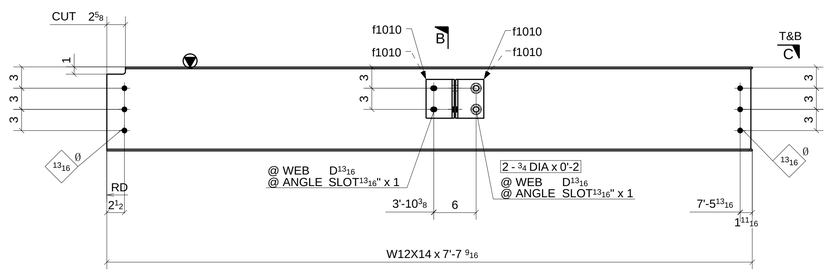
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1059

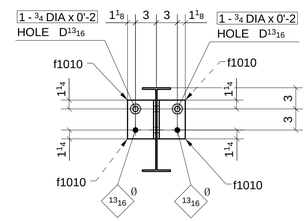


SECTION - A

ONE - BEAM ~ 1060A

LOCATION: (REF: E10B)
ONE @ 7-7.1/F-F.1



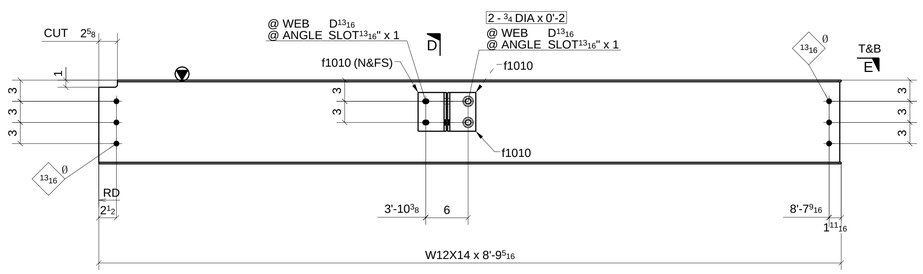


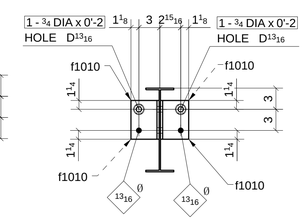
SECTION - B

SECTION - C

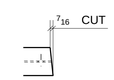
ONE - BEAM ~ 1060B

LOCATION: (REF: E10B)
ONE @ 7.2/7.3-F.2





SECTION - D



SECTION - E

ONE - BEAM ~ 1060C

LOCATION: (REF: E10B)
ONE @ 7.3/7.3-F.3

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1060A	W12X14	7'-9 5/8"	A992	
2	b1060	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1060B	W12X14	7'-7 9/16"	A992	
4	f1010	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	1060C	W12X14	8'-9 5/16"	A992	
4	f1010	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	

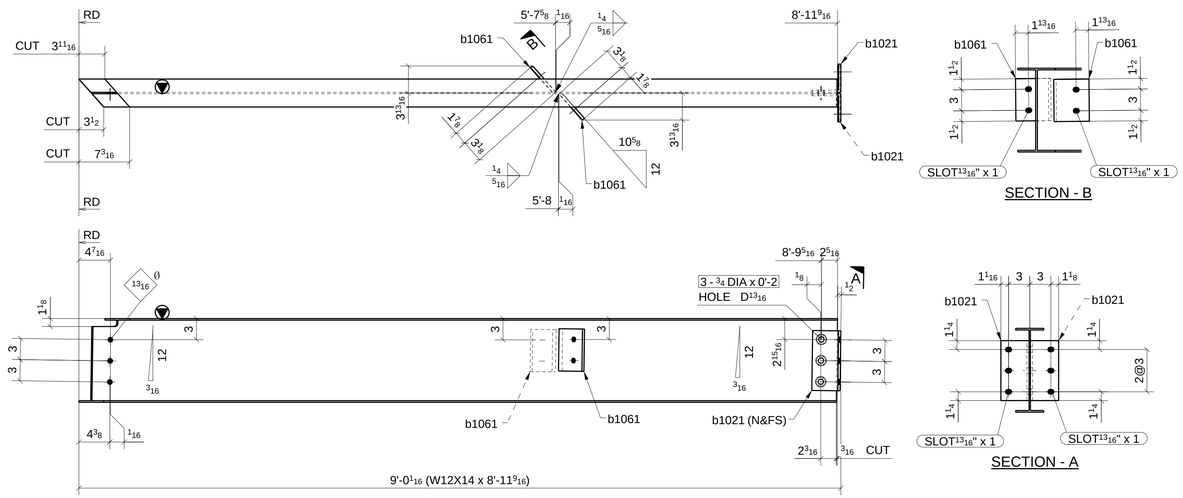
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1060

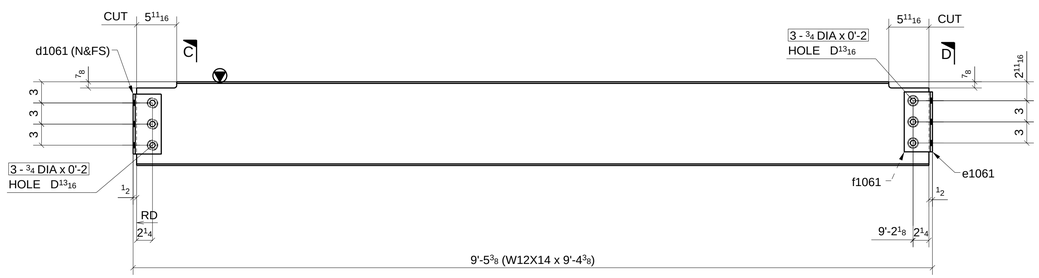


ONE - BEAM ~ 1061A

LOCATION: (REF: E10B)
ONE @ 7.3-7.4/7.3-F.2

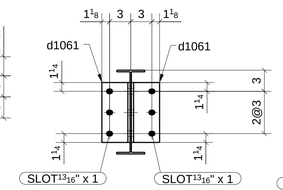
SECTION - B

SECTION - A

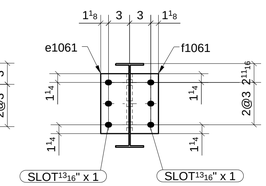


ONE - BEAM ~ 1061B

LOCATION: (REF: E10B)
ONE @ 6-7/E



SECTION - C



SECTION - D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1061A	W12X14	8'-11 9/16"	A992	
2	b1021	L4X4X5/16	0'-8 1/2"	A36	
2	b1061	PL3/8"X5"	0'-6"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
1	1061B	W12X14	9'-4 3/8"	A992	
2	d1061	L4X4X5/16	0'-8 1/2"	A36	
1	e1061	L4X4X5/16	0'-8 1/2"	A36	
1	f1061	L4X4X5/16	0'-8 1/2"	A36	
6		3/4" DIA. W/N&W	0'-2"	A325N_TC	

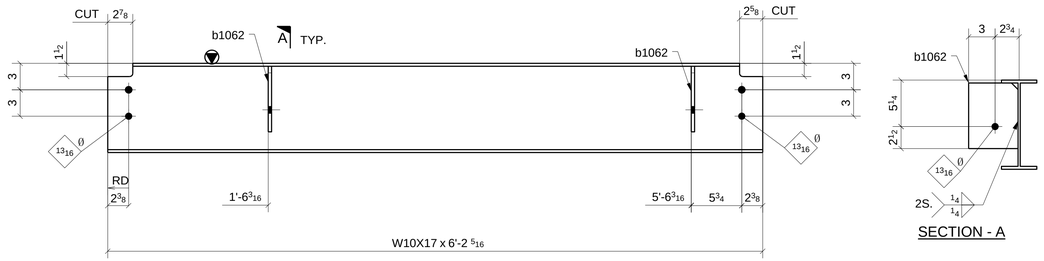
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

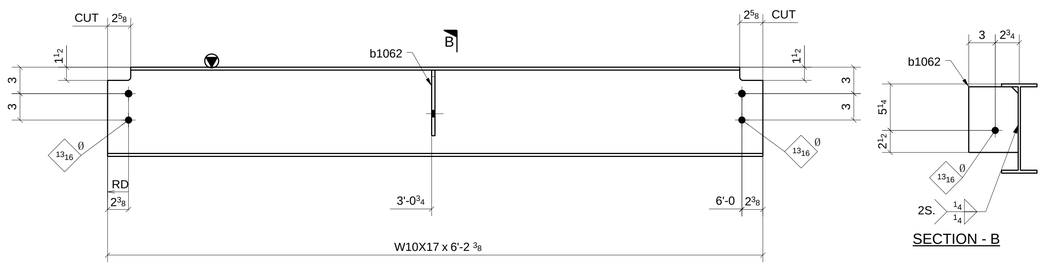
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1061



SECTION - A

ONE - BEAM ~ 1062A

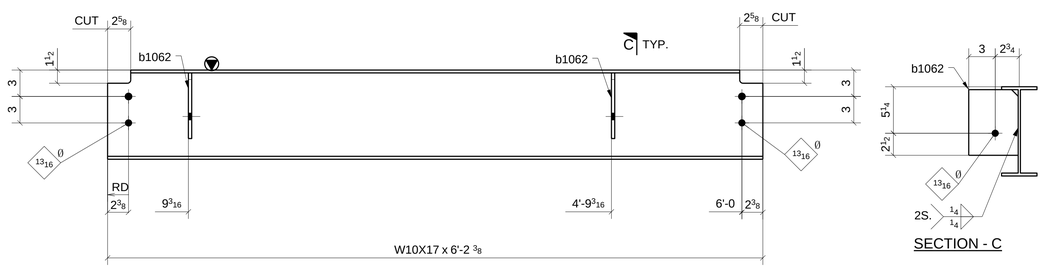
LOCATION: (REF: E10B)
ONE @ 7.1-8/D-E



SECTION - B

ONE - BEAM ~ 1062B

LOCATION: (REF: E10B)
ONE @ 7.1-8/D-E



SECTION - C

ONE - BEAM ~ 1062C

LOCATION: (REF: E10B)
ONE @ 7.1-8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1062A	W10X17	6'-2 5/16"	A992	
2	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
1	1062B	W10X17	6'-2 3/8"	A992	
1	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
1	1062C	W10X17	6'-2 3/8"	A992	
2	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	

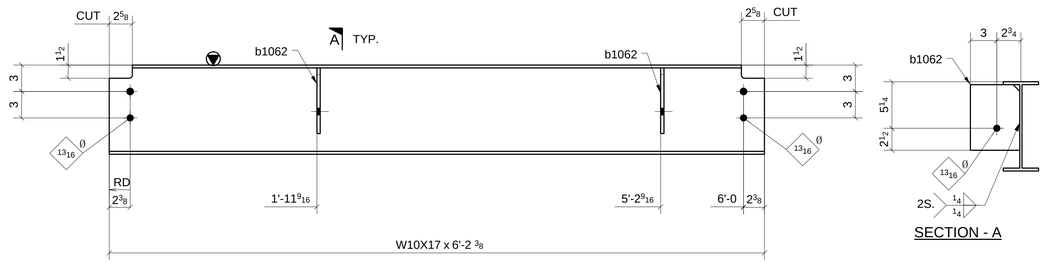
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

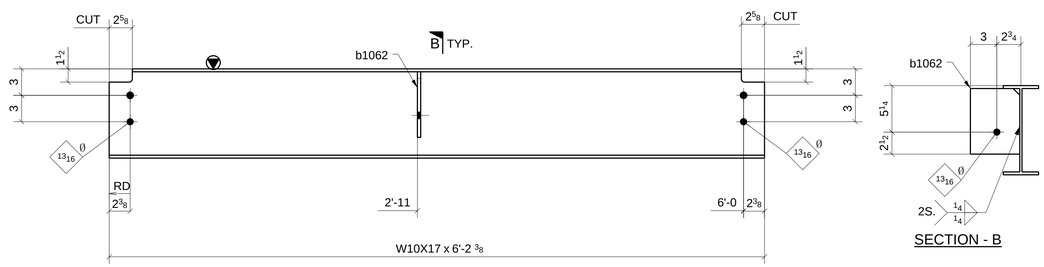
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1062



SECTION - A

ONE - BEAM ~ 1063A

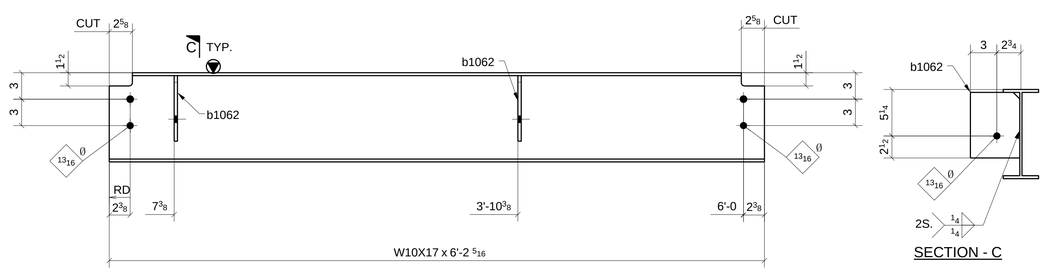
LOCATION: (REF: E10B)
ONE @ 7.1-8/D-E



SECTION - B

ONE - BEAM ~ 1063B

LOCATION: (REF: E10B)
ONE @ 7.1-8/D-E



SECTION - C

ONE - BEAM ~ 1063C

LOCATION: (REF: E10B)
ONE @ 7.1-8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1063A	W10X17	6'-2 3/8"	A992	
2	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
1	1063B	W10X17	6'-2 3/8"	A992	
1	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
1	1063C	W10X17	6'-2 3/8"	A992	
2	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	

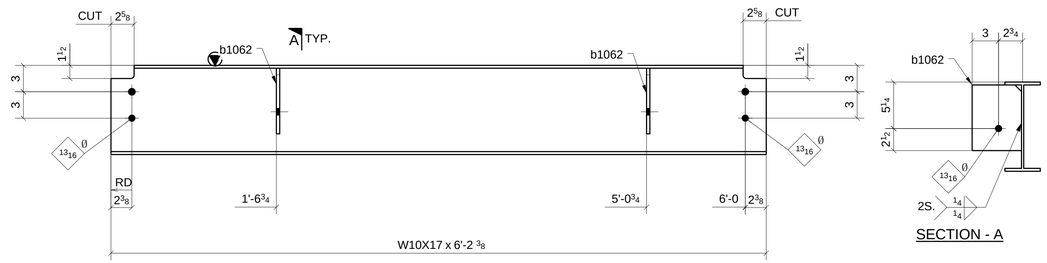
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

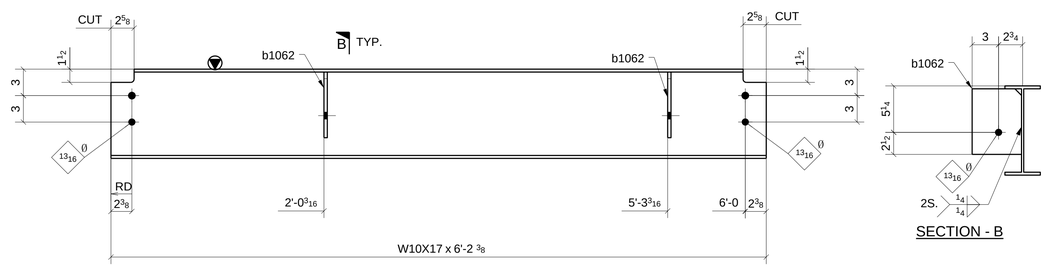
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1063



SECTION - A

ONE - BEAM ~ 1064A

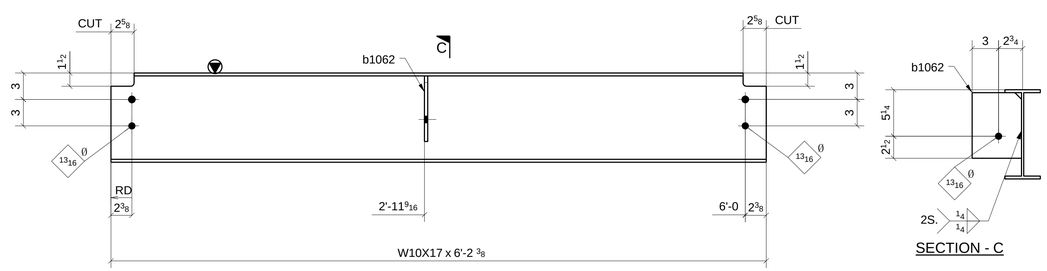
LOCATION: (REF: E10B)
ONE @ 7.1-8/E-F



SECTION - B

ONE - BEAM ~ 1064B

LOCATION: (REF: E10B)
ONE @ 7.1-8/E-F



SECTION - C

ONE - BEAM ~ 1064C

LOCATION: (REF: E10B)
ONE @ 7.1-8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1064A	W10X17	6'-2 3/8"	A992	
2	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
1	1064B	W10X17	6'-2 3/8"	A992	
2	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
1	1064C	W10X17	6'-2 3/8"	A992	
1	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	

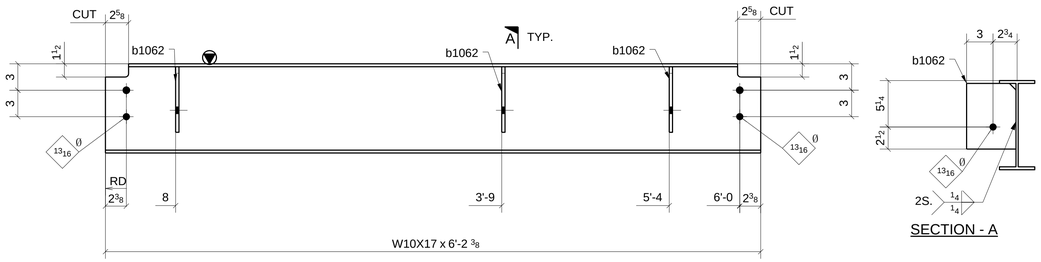
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

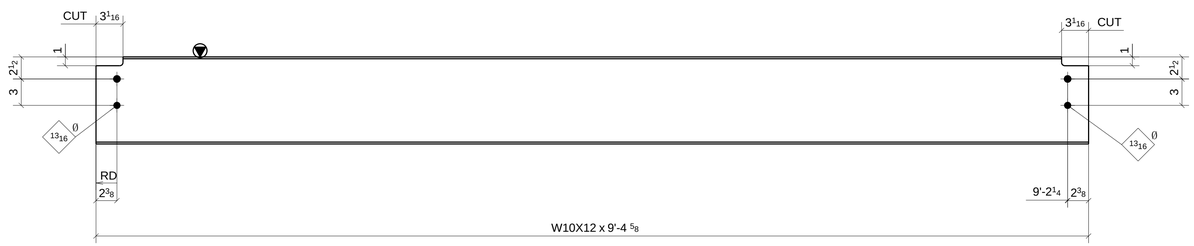
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016
Job No. A16013 BAT: DWG#: 1064



ONE - BEAM ~ 1065A

LOCATION:
ONE @ 7.1-8/E-F

(REF: E10B)



8 - BEAMS ~ 1065B

LOCATION:
ONE @ 6-7/D-E
ONE @ 6-7/D-E
ONE @ 6-7/D-E
ONE @ 6-7/D-E
ONE @ 6-7/E-F
ONE @ 6-7/E-F
ONE @ 6-7/E-F
ONE @ 6-7/E-F

(REF: E10B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1065A	W10X17	6'-2 3/8"	A992	
3	b1062	PL3/8"X5 5/8"	0'-7 7/16"	A36	
8	1065B	W10X12	9'-4 5/8"	A992	

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

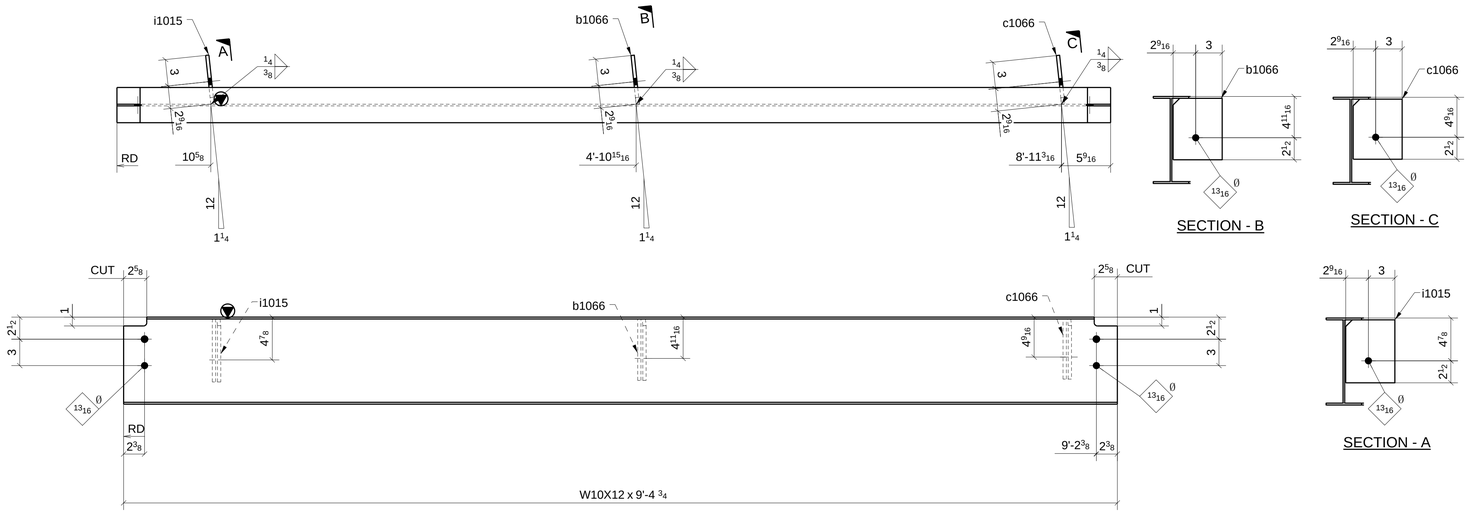
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: DWG#: 1065

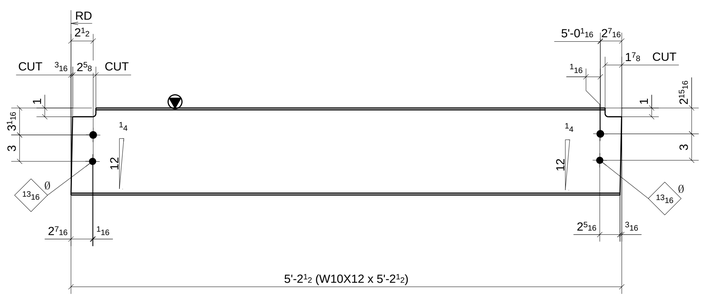
A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:



ONE - BEAM ~ 1066A

LOCATION: (REF: E10B)
ONE @ 6-7/F.1



ONE - BEAM ~ 1066B

LOCATION: (REF: E10B)
ONE @ 7-7.1/F-F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1066A	W10X12	9'-4 3/4"	A992	
1	b1066	PL3/8"X5 9/16"	0'-7"	A36	
1	c1066	PL3/8"X5 9/16"	0'-6 13/16"	A36	
1	i1015	PL3/8"X5 9/16"	0'-7 1/8"	A36	
1	1066B	W10X12	5'-2 1/2"	A992	

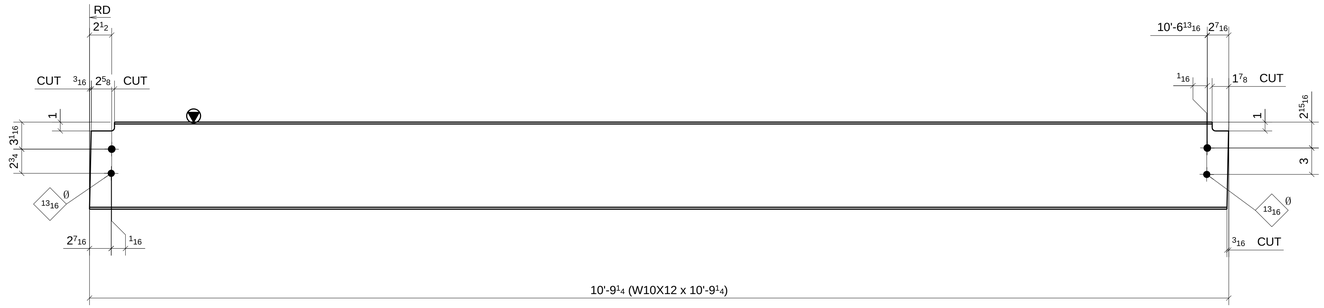
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

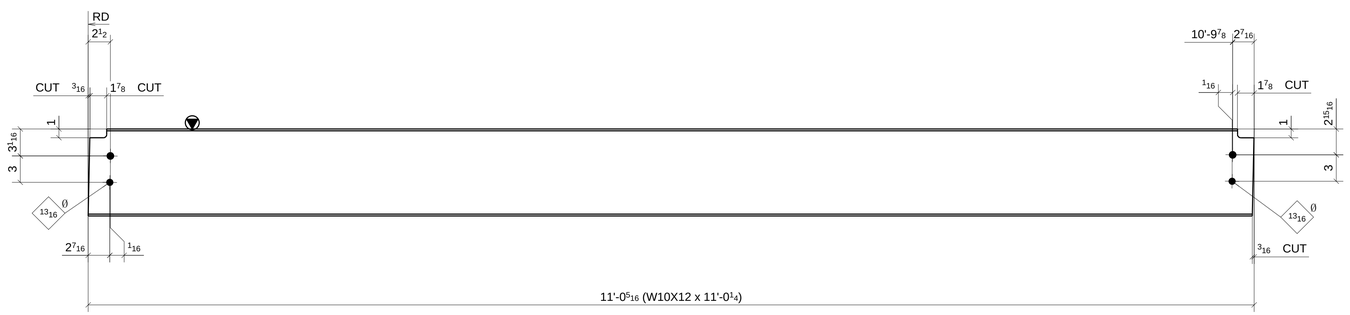
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1066



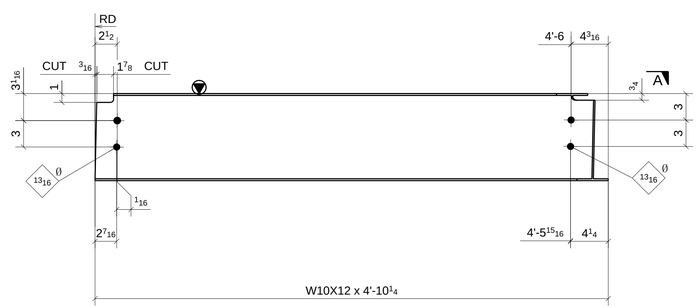
ONE - BEAM ~ 1067A

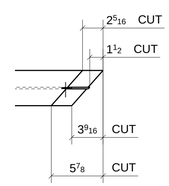
LOCATION: (REF: E10B)
ONE @ <7.2/7.2-F.2



ONE - BEAM ~ 1067B

LOCATION: (REF: E10B)
ONE @ 7.2-7.3/7.2-F.2





SECTION - A

ONE - BEAM ~ 1067C

LOCATION: (REF: E10B)
ONE @ 7.3-7.4/7.2-F.2

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1067A	W10X12	10'-9 1/4"	A992	
1	1067B	W10X12	11'-0 1/4"	A992	
1	1067C	W10X12	4'-10 1/4"	A992	

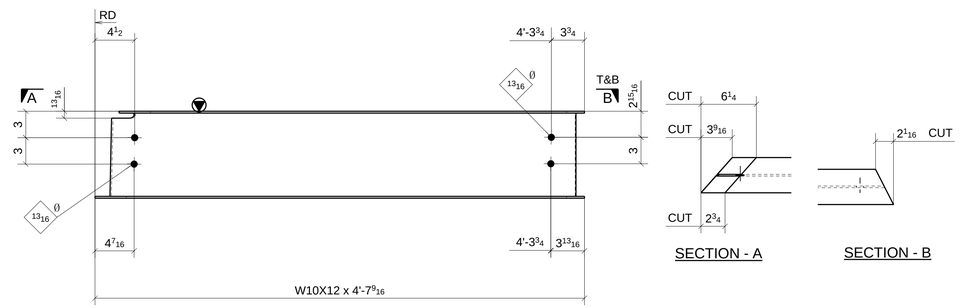
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

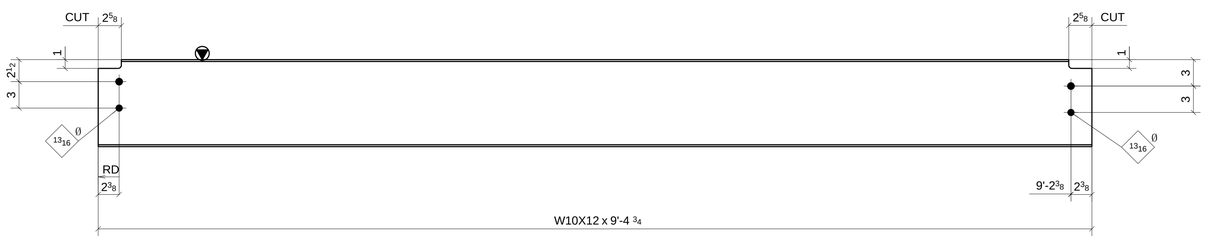
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1067



ONE - BEAM ~ 1068A

LOCATION: (REF: E10B)
ONE @ 7.3-7.4>/7.2-F.



ONE - BEAM ~ 1068B

LOCATION: (REF: E10B)
ONE @ 6-7/F-F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1068A	W10X12	4'-7 9/16"	A992	
1	1068B	W10X12	9'-4 3/4"	A992	

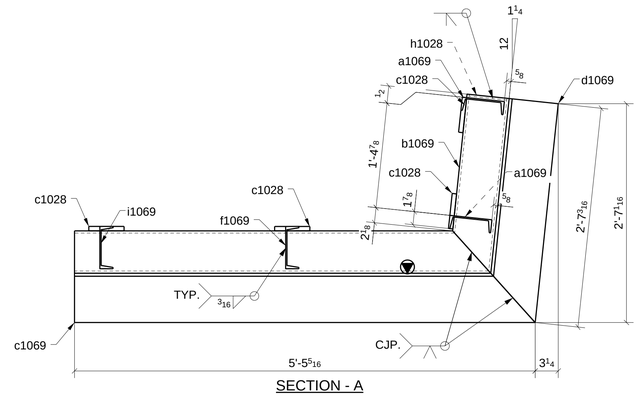
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

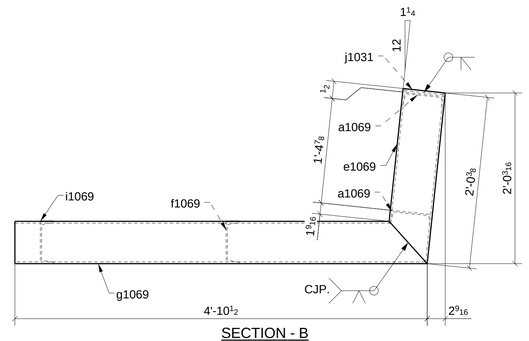
Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

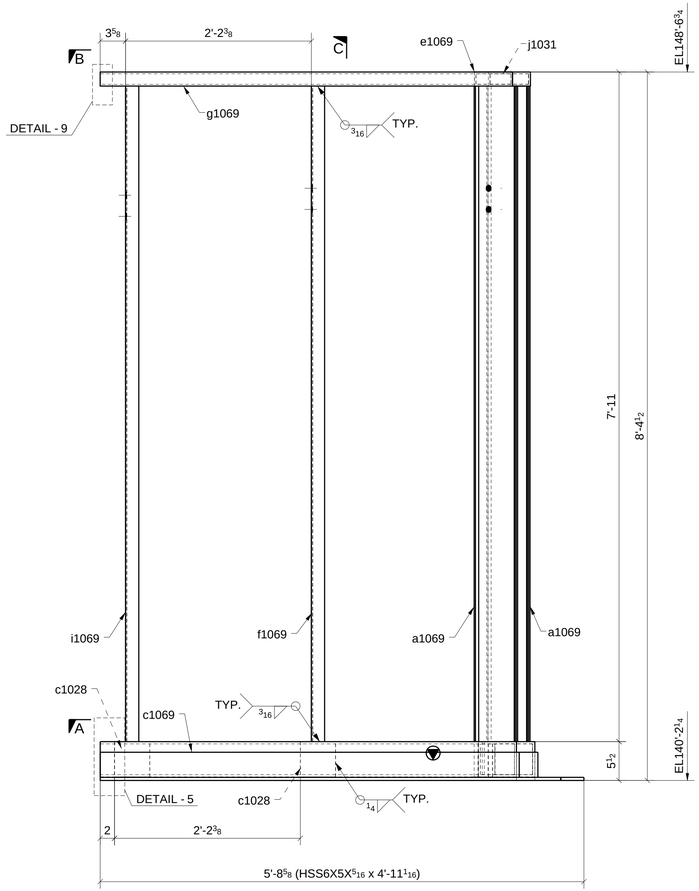
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1068



SECTION - A



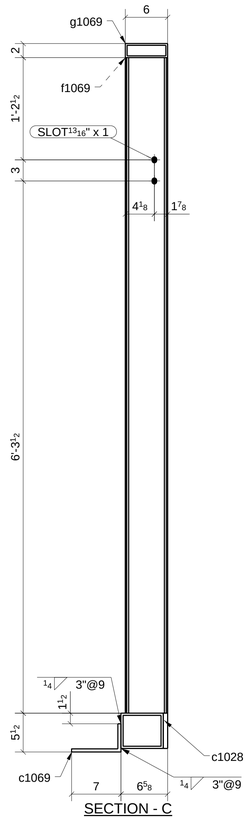
SECTION - B



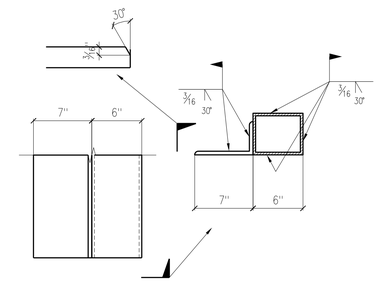
ONE - BEAM ~ 1069A

LOCATION: (REF: E10B)

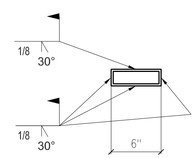
ONE @ <5-6/F.1>



SECTION - C



DETAIL "5"



DETAIL "9"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1069A	HSS6X5X5/16	4'-11 1/16"	A500-GR.B-46	
2	a1069	C6X8.2	7'-9"	A992	
1	b1069	HSS6X5X5/16	2'-0 15/16"	A500-GR.B-46	
4	c1028	PL5/8"X5"	0'-5"	A36	
1	c1069	L7X4X7/16	5'-5 5/16"	A36	GALV.
1	d1069	L7X4X7/16	2'-7 3/16"	A36	GALV.
1	e1069	HSS6X2X1/4	2'-0 3/8"	A500-GR.B-46	
1	f1069	C6X8.2	7'-9"	A992	
1	g1069	HSS6X2X1/4	4'-10 1/2"	A500-GR.B-46	
1	h1028	PL1/4"X4 3/8"	0'-5 3/8"	A36	
1	i1069	C6X8.2	7'-9"	A992	
1	j1031	PL1/4"X1 1/2"	0'-5 1/2"	A36	

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

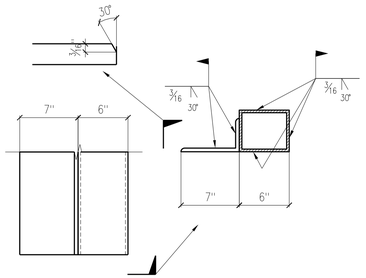
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

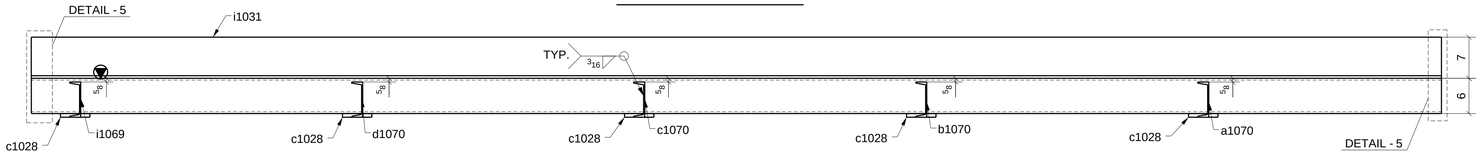
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016

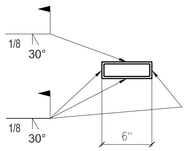
Job No. A16013 BAT: DWG#: 1069



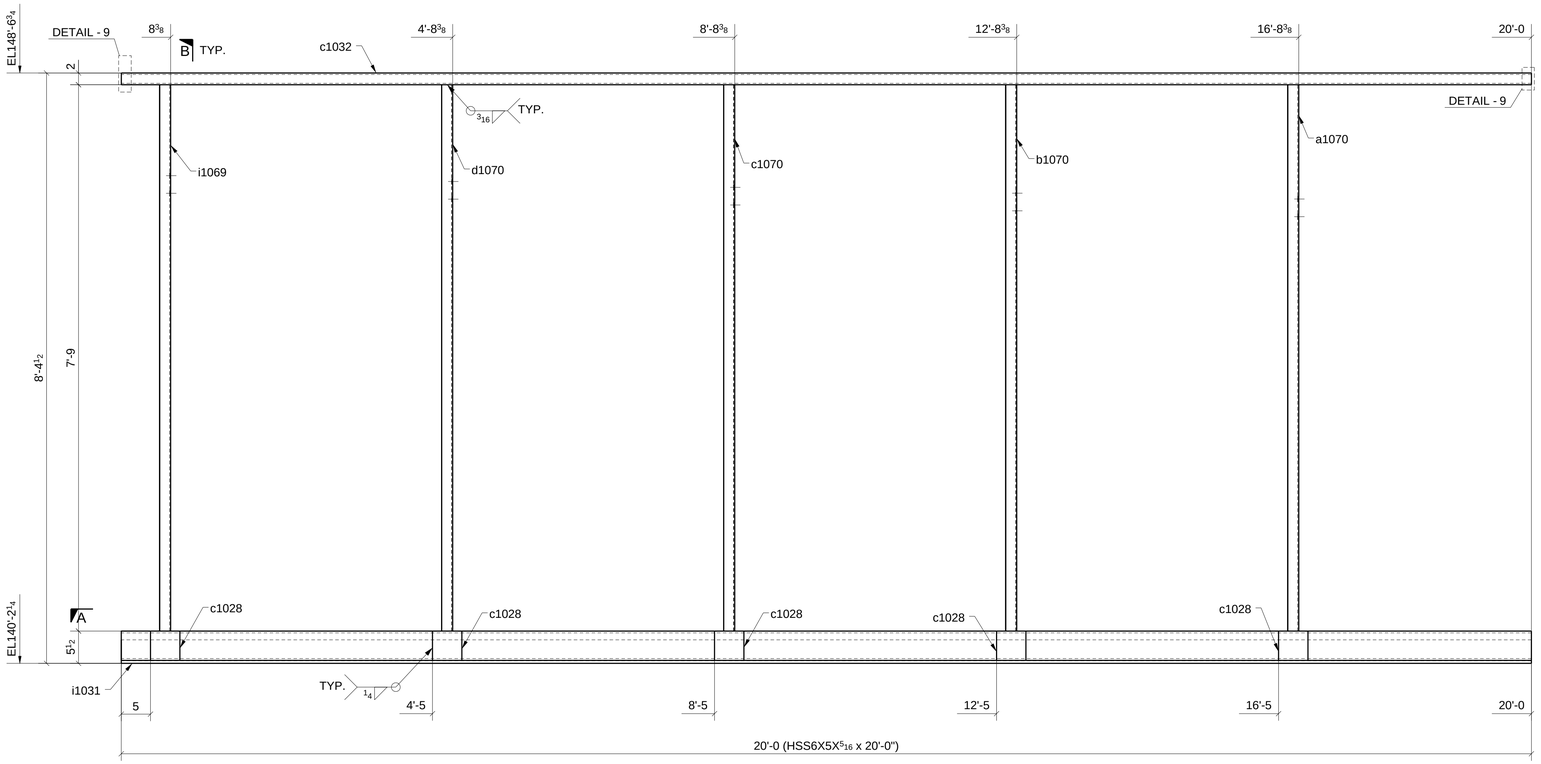
DETAIL "5"



SECTION - A

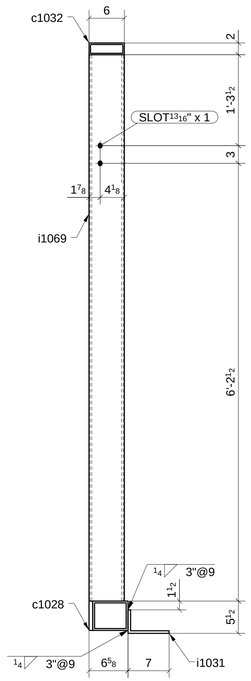


DETAIL "9"



ONE - BEAM ~ 1070A

LOCATION: (REF: E10B)
ONE @ 5-6/F.1>



SECTION - B

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1070A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a1070	C6X8.2	7'-9"	A992	
1	b1070	C6X8.2	7'-9"	A992	
5	c1028	PL5/8"X5"	0'-5"	A36	
1	c1032	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	c1070	C6X8.2	7'-9"	A992	
1	d1070	C6X8.2	7'-9"	A992	
1	i1031	L7X4X7/16	20'-0"	A36	GALV.
1	i1069	C6X8.2	7'-9"	A992	

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

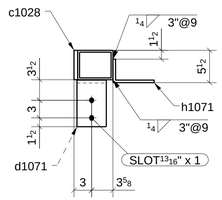
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016

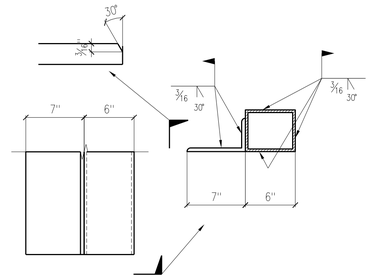
Job No. A16013 BAT: DWG#: 1070

A	FOR APPROVAL	07/28/16

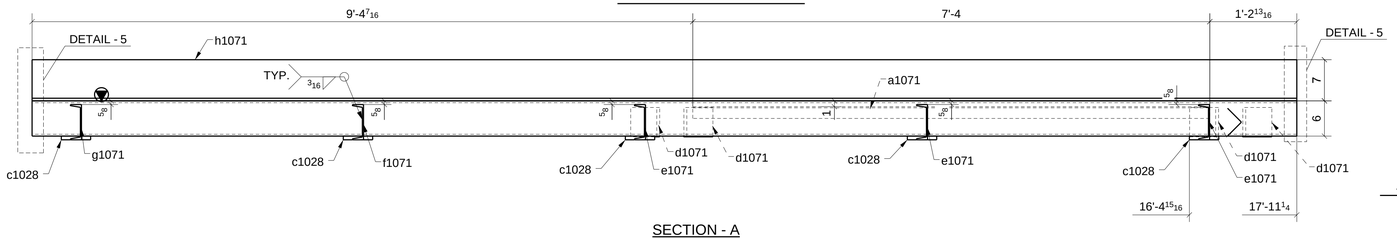
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



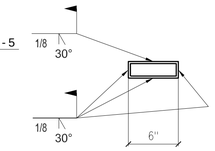
SECTION - C



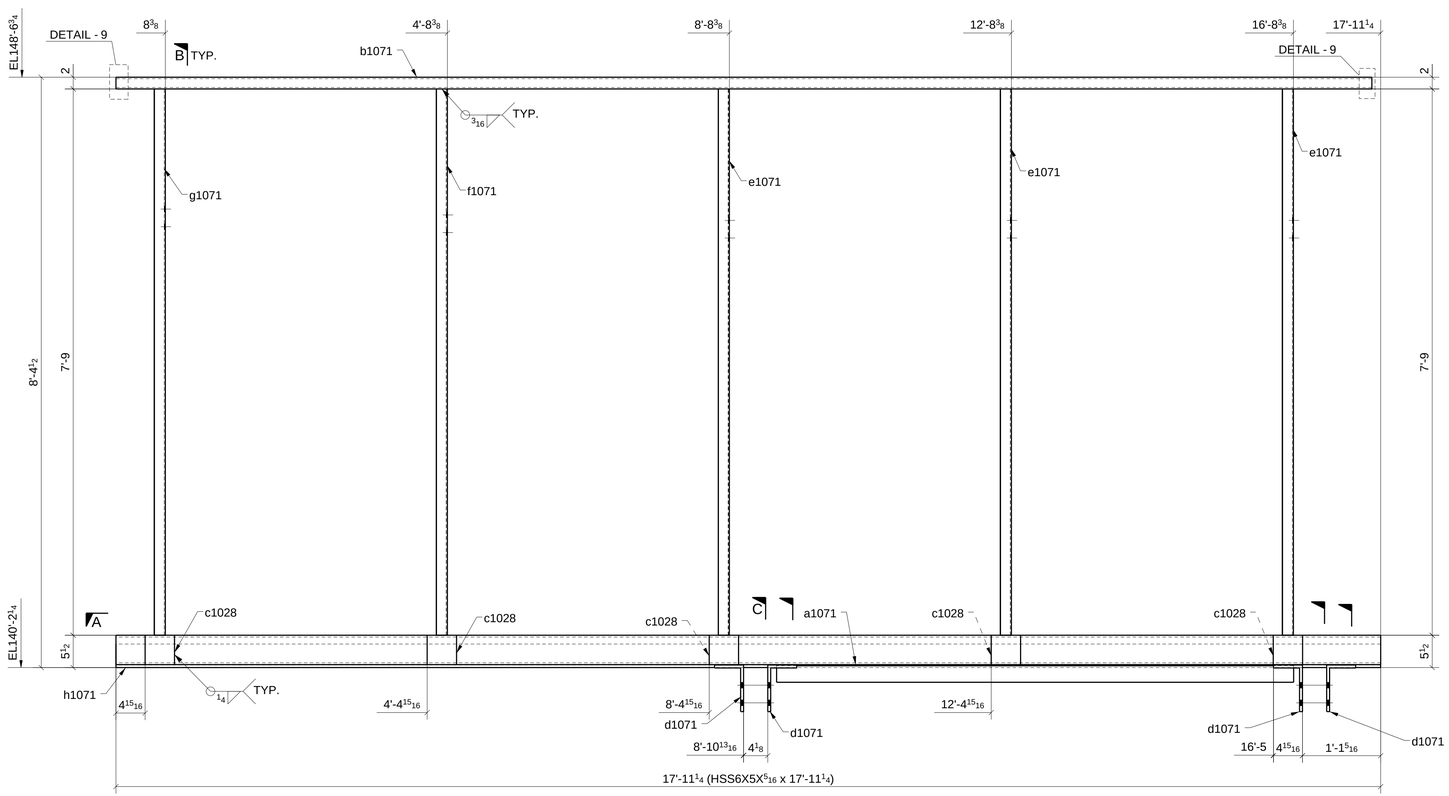
DETAIL "5"



SECTION - A

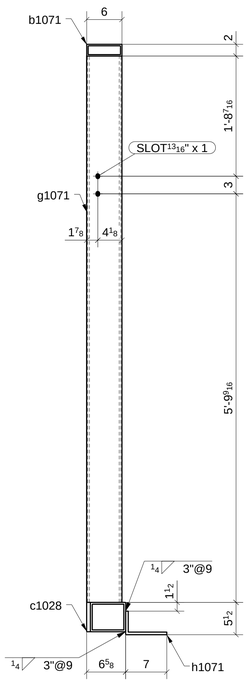


DETAIL "9"



ONE - BEAM ~ 1071A

LOCATION: (REF: E10B)
ONE @ 5-7/F.1>



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1071A	HSS6X5X5/16	17'-11 1/4"	A500-GR.B-46	
1	a1071	L3X2X3/16	7'-4"	A36	
1	b1071	HSS6X2X1/4	17'-9 3/4"	A500-GR.B-46	
5	c1028	PL5/8"X5"	0'-5"	A36	
4	d1071	BPL1/2"X5"	1'-0 7/8"	A36	
3	e1071	C6X8.2	7'-9"	A992	
1	f1071	C6X8.2	7'-9"	A992	
1	g1071	C6X8.2	7'-9"	A992	
1	h1071	L7X4X7/16	17'-11 1/4"	A36	GALV.

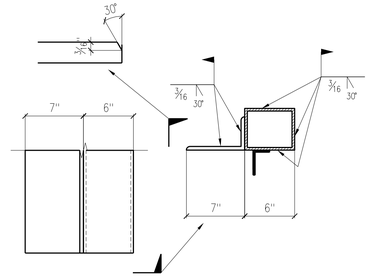
Romac By: Checked By:

Beamline By: Checked By:

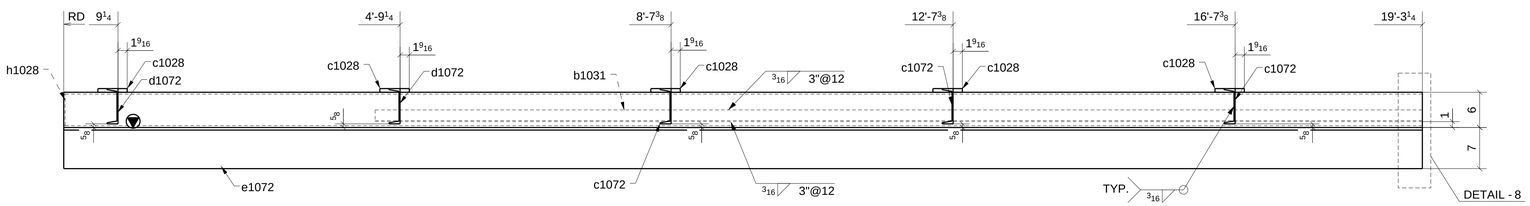
A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

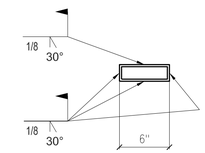
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1071



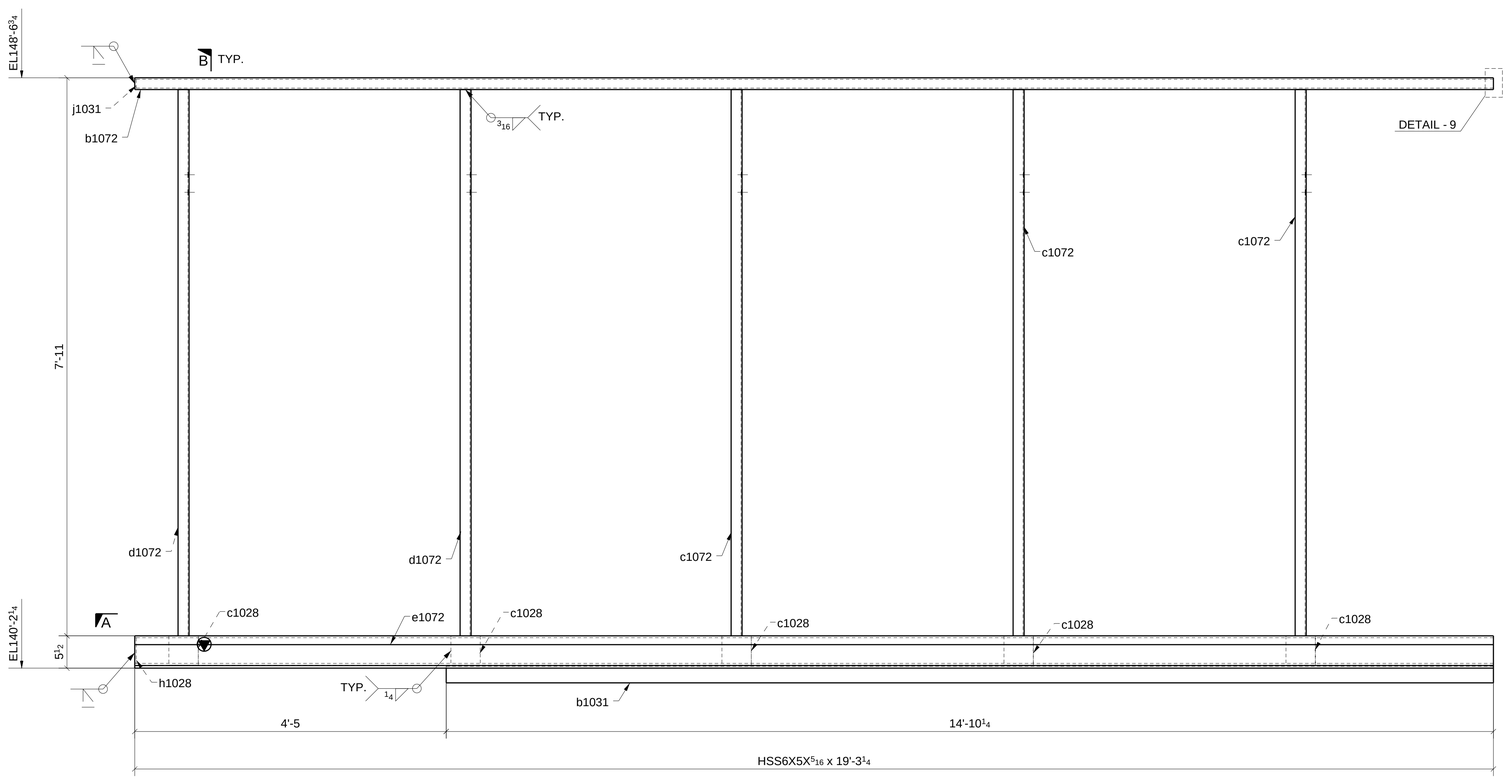
DETAIL "8"



SECTION - A

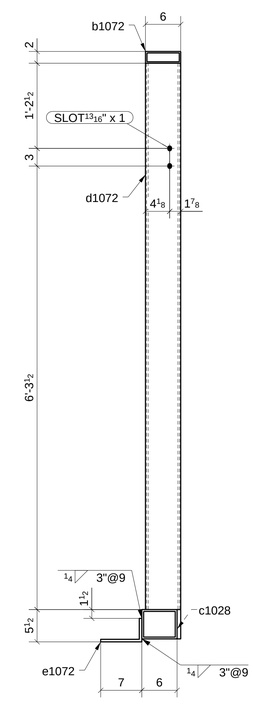


DETAIL "9"



ONE - BEAM ~ 1072A

LOCATION: (REF: E10B)
ONE @ 8/D-E



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1072A	HSS6X5X5/16	19'-3 1/4"	A500-GR.B-46	
1	b1031	L3X2X3/16	14'-10 1/4"	A36	
1	b1072	HSS6X2X1/4	19'-3 1/4"	A500-GR.B-46	
5	c1028	PL5/8"X5"	0'-5"	A36	
3	c1072	C6X8.2	7'-9"	A992	
2	d1072	C6X8.2	7'-9"	A992	
1	e1072	L7X4X7/16	19'-3 1/4"	A36	GALV.
1	h1028	PL1/4"X4 3/8"	0'-5 3/8"	A36	
1	j1031	PL1/4"X1 1/2"	0'-5 1/2"	A36	

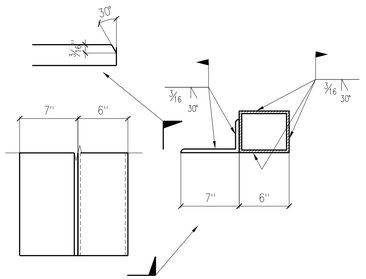
Romac By: Checked By:

Beamline By: Checked By:

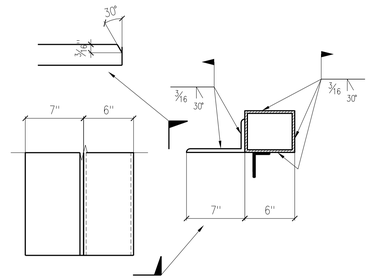
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

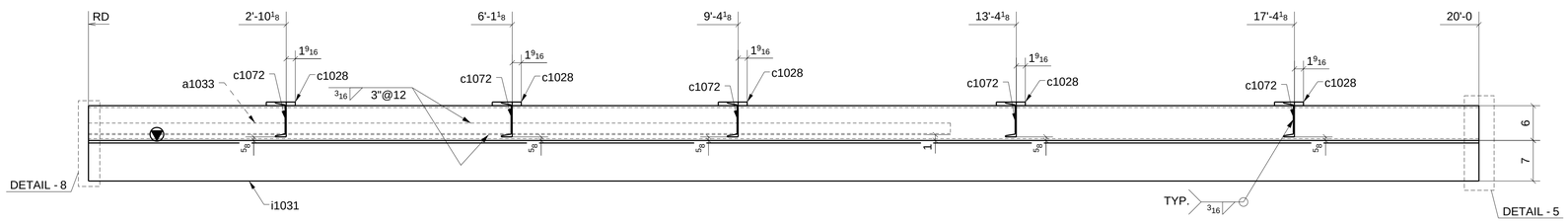
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1072



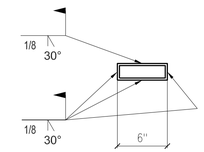
DETAIL "5"



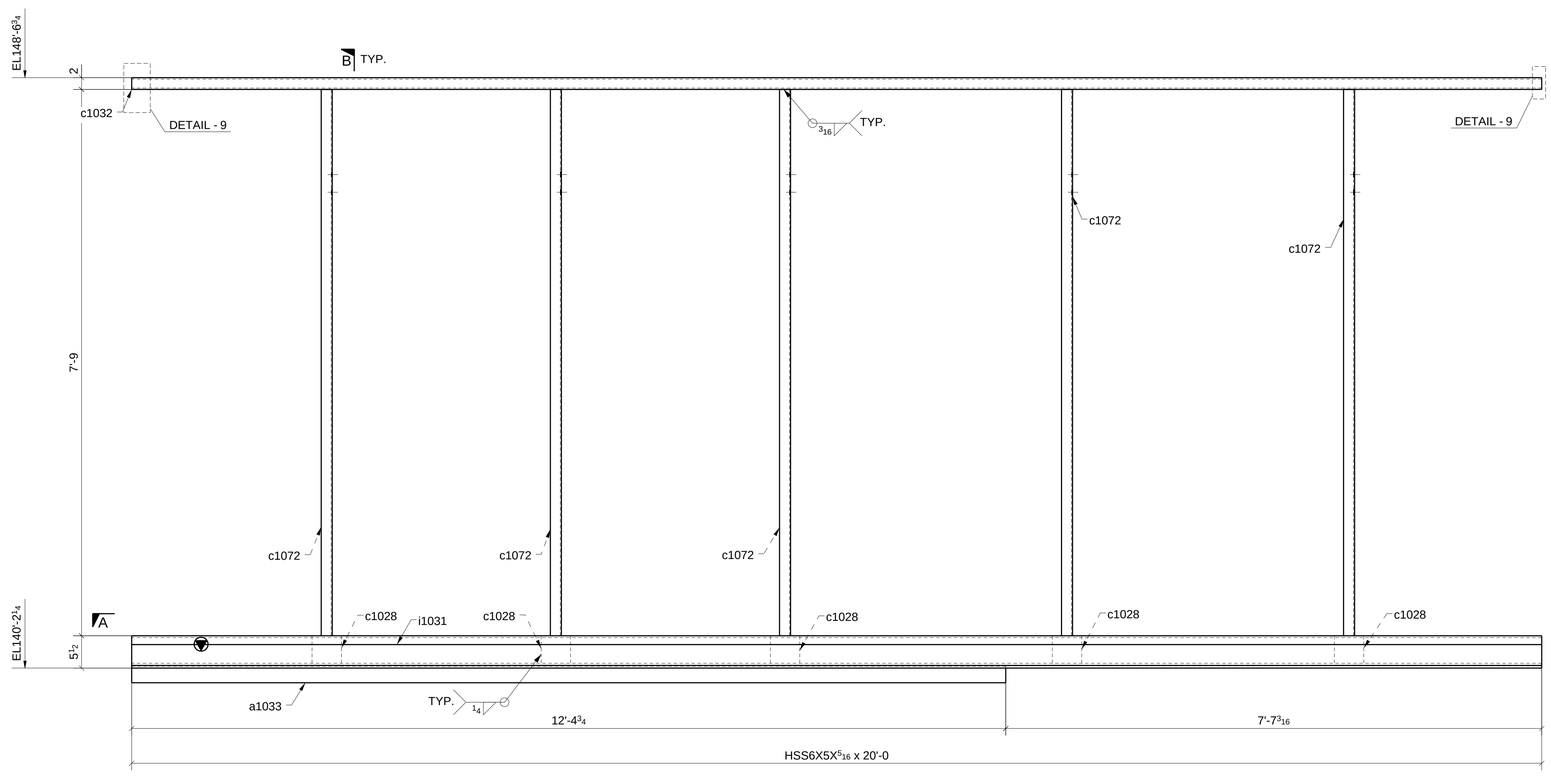
DETAIL "8"



SECTION - A



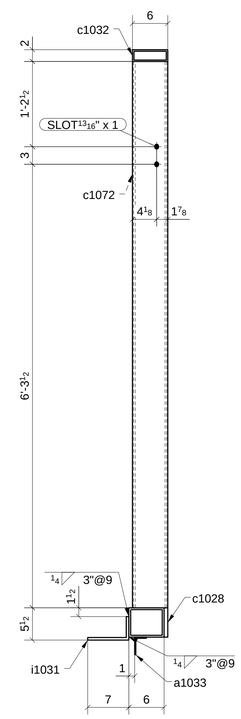
DETAIL "9"



ONE - BEAM ~ 1073A

LOCATION: (REF: E10B)

ONE @ 8/E-F



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1073A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a1033	L3X2X3/16	12'-4 3/4"	A36	
5	c1028	PL5/8"X5"	0'-5"	A36	
1	c1032	HSS6X2X1/4	20'-0"	A500-GR.B-46	
5	c1072	C6X8.2	7'-9"	A992	
1	i1031	L7X4X7/16	20'-0"	A36	GALV.

A	FOR APPROVAL	07/28/16

Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

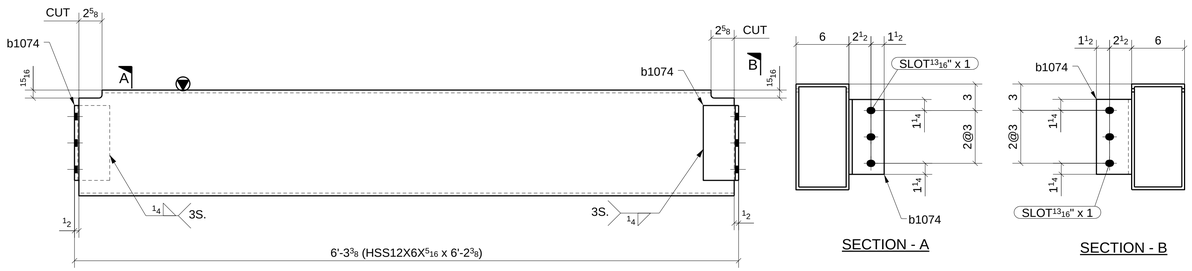
Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS

ST. LOUIS, MO.

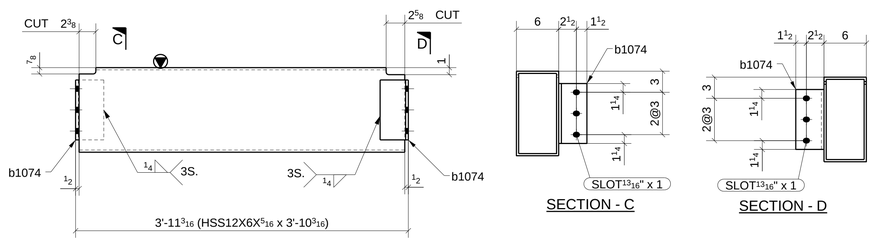
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn: ZZ	Date: 07/28/2016	Ckd: LJ	Date: 07/29/2016		
Job No. A16013	BAT:	DWG#: 1073			



5 - BEAMS ~ 1074A

LOCATION: (REF: E10B)

ONE @ 5-6/D-E
ONE @ 5-6/E-F
ONE @ 5-6/E-F
ONE @ 7.1/D-E
ONE @ 7.1/E-F



2 - BEAMS ~ 1074B

LOCATION: (REF: E10B)

ONE @ 7.1-8/F-F.1
ONE @ 7.1-8/F-F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
5	1074A	HSS12X6X5/16	6'-2 3/8"	A500-GR.B-46	
10	b1074	L4X4X3/8	0'-8 1/2"	A36	
2	1074B	HSS12X6X5/16	3'-10 3/16"	A500-GR.B-46	
4	b1074	L4X4X3/8	0'-8 1/2"	A36	

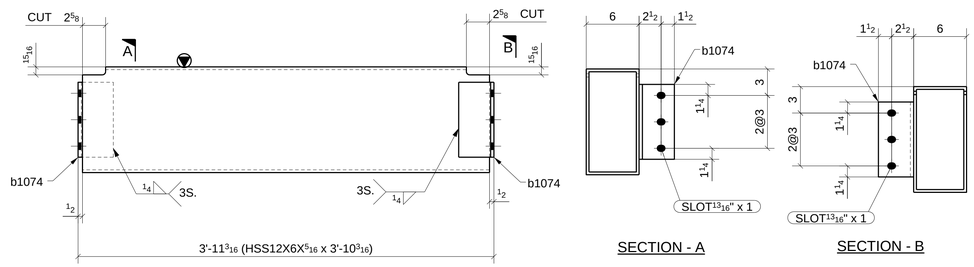
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

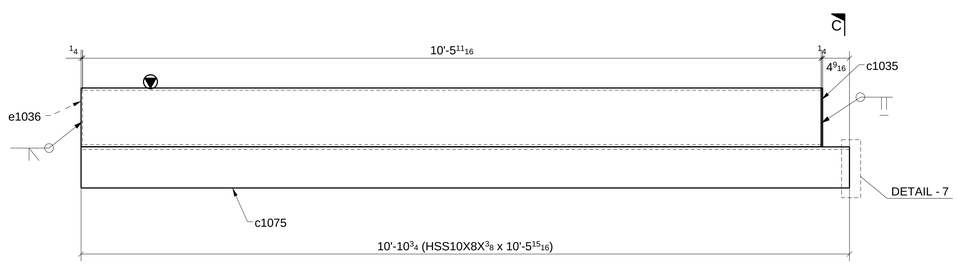
ATLAS IRON WORKS
ST. LOUIS, MO.

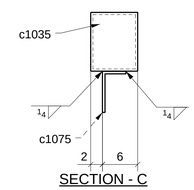
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1074

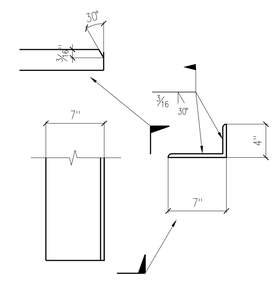


ONE - BEAM ~ 1075A

LOCATION: (REF: E10B)
ONE @ 5-6/F-F.1







DETAIL "7"

ONE - BEAM ~ 1075B

LOCATION: (REF: E10B)
ONE @ <7.2/F.2-F.3

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1075A	HSS12X6X5/16	3'-10 3/16"	A500-GR.B-46	
2	b1074	L4X4X3/8	0'-8 1/2"	A36	
1	1075B	HSS10X8X3/8	10'-5 15/16"	A500-GR.B-46	
1	c1035	PL1/4"X8"	0'-10"	A36	
1	c1075	L7X4X7/16	10'-10 3/4"	A36	GALV.
1	e1036	PL1/4"X7 1/4"	0'-9 1/4"	A36	

FOR APPROVAL

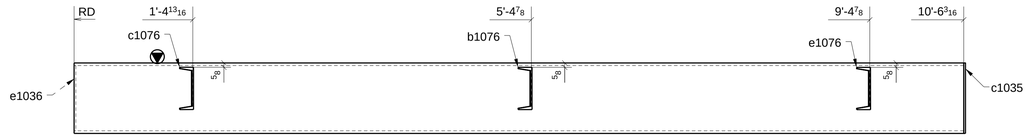
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

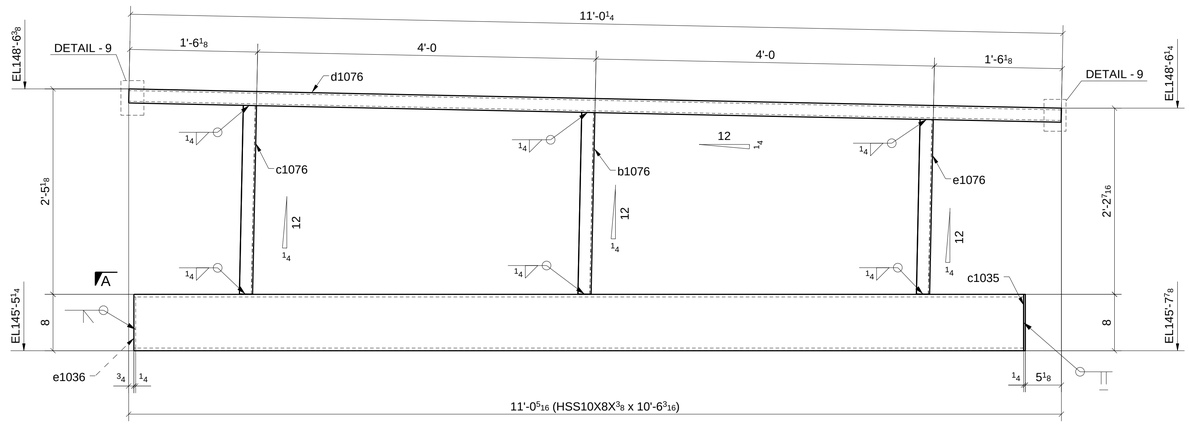
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1075

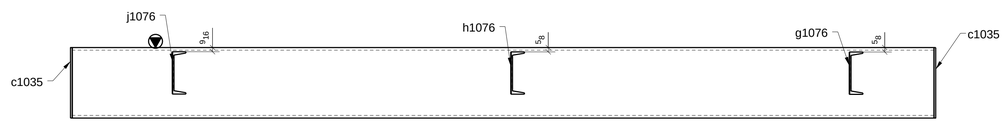


SECTION - A

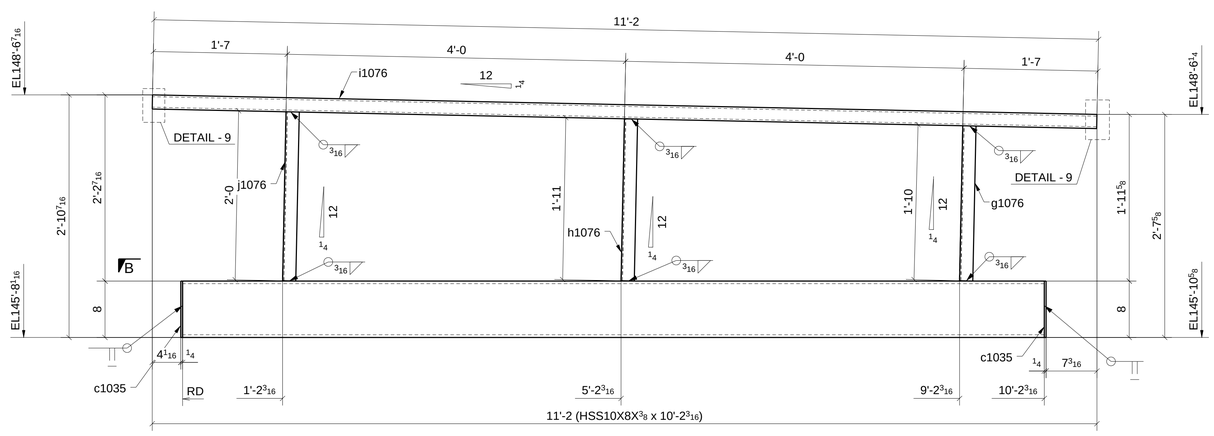


ONE - BEAM ~ 1076A

LOCATION: (REF: E10B)
ONE @ <7.2/F.2-F.3

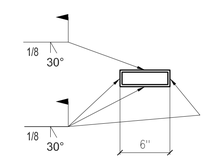


SECTION - B



ONE - BEAM ~ 1076B

LOCATION: (REF: E10B)
ONE @ 7.2-7.3/F.3-F.4



DETAIL "9"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1076A	HSS10X8X3/8	10'-6 3/16"	A500-GR.B-46	
1	b1076	C6X8.2	2'-1 3/4"	A992	
1	c1035	PL1/4"X8"	0'-10"	A36	
1	c1076	C6X8.2	2'-2 3/4"	A992	
1	d1076	HSS6X2X1/4	11'-0 1/4"	A500-GR.B-46	
1	e1036	PL1/4"X7 1/4"	0'-9 1/4"	A36	
1	e1076	C6X8.2	2'-0 3/4"	A992	
1	1076B	HSS10X8X3/8	10'-2 3/16"	A500-GR.B-46	
2	c1035	PL1/4"X8"	0'-10"	A36	
1	g1076	C6X8.2	1'-10"	A992	
1	h1076	C6X8.2	1'-11"	A992	
1	i1076	HSS6X2X1/4	11'-2"	A500-GR.B-46	
1	j1076	C6X8.2	2'-0"	A992	

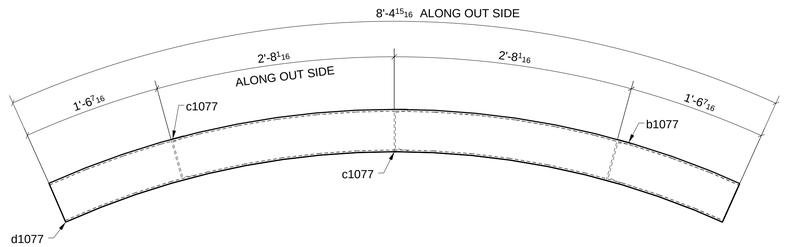
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/28/16

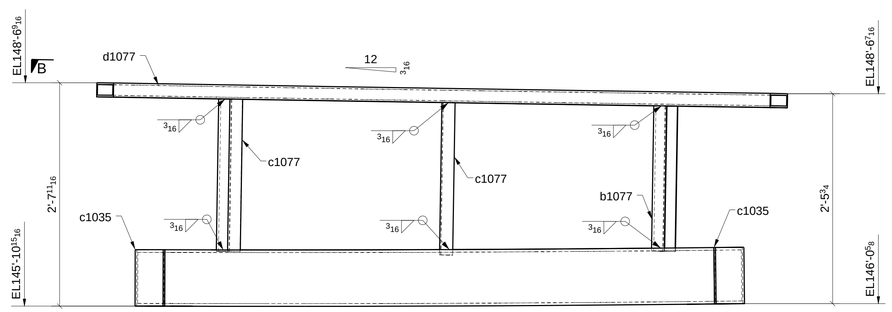
Sequence: 10 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

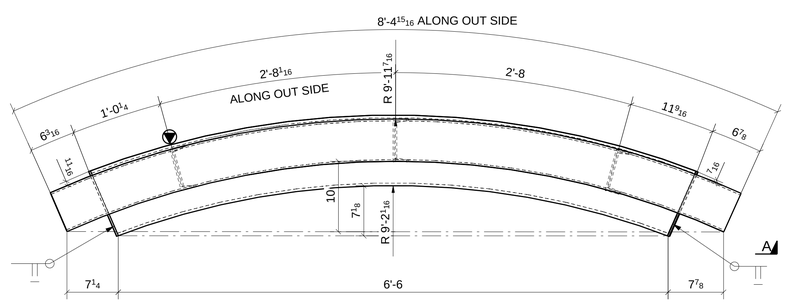
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1076



SECTION - B



SECTION - A



ONE - BEAM ~ 1077A

LOCATION: (REF: E10B)
ONE @ 7.3-7.4/F.3-F.4

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1077A	HSS10X8X3/8	7'-0 1/4"	A500-GR.B-46	
1	b1077	C6X8.2	1'-8 5/8"	A992	
2	c1035	PL1/4"X8"	0'-10"	A36	
2	c1077	C6X8.2	1'-9 5/8"	A992	
1	d1077	HSS6X2X1/4	8'-2 1/2"	A500-GR.B-46	

Romac By: Checked By:

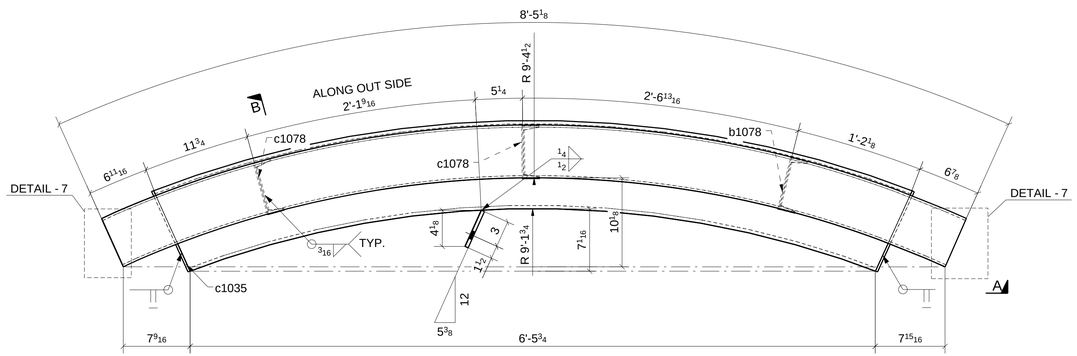
Beamline By: Checked By:

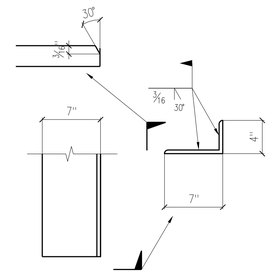
A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

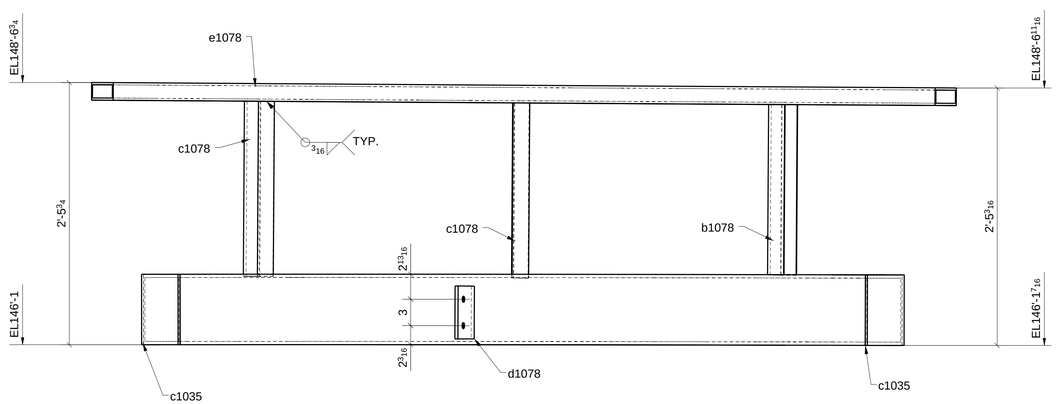
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1077

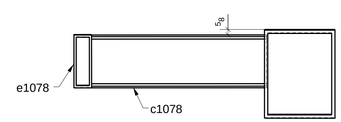




DETAIL "7"



SECTION - A



SECTION - B

ONE - BEAM ~ 1078A

LOCATION: (REF: E10B)
ONE @ 7.4>/7.3-F.2

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1078A	HSS10X8X3/8	7'-0 3/8"	A500-GR.B-46	
1	b1078	C6X8.2	1'-7 3/8"	A992	
2	c1035	PL1/4"X8"	0'-10"	A36	
2	c1078	C6X8.2	1'-7 7/8"	A992	
1	d1078	PL3/8"X4 1/2"	0'-6"	A36	
1	e1078	HSS6X2X1/4	8'-2 11/16"	A500-GR.B-46	

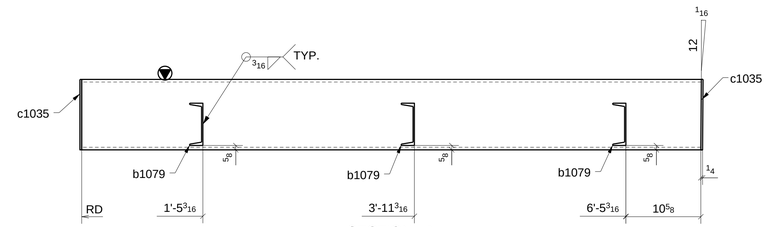
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/28/16

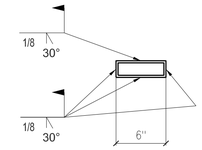
Sequence: 10 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

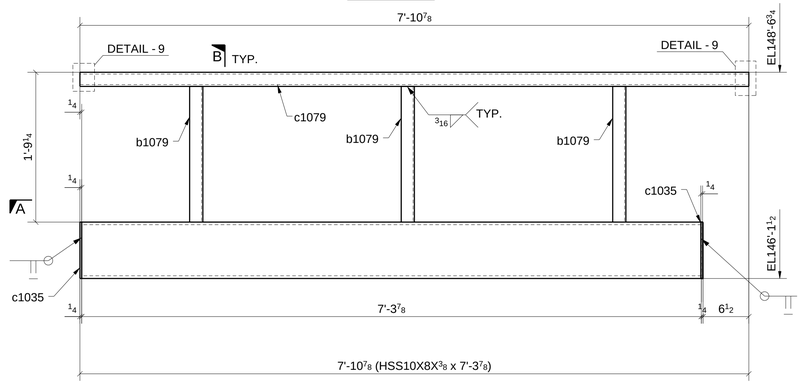
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1078



SECTION - A

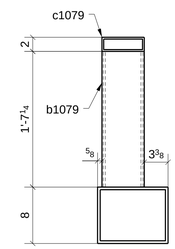


DETAIL "9"

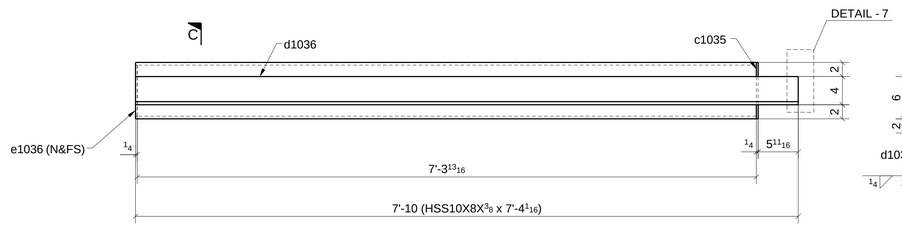


ONE - BEAM ~ 1079A

LOCATION: (REF: E10B)
ONE @ 8/F-F.1

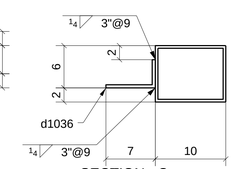


SECTION - B

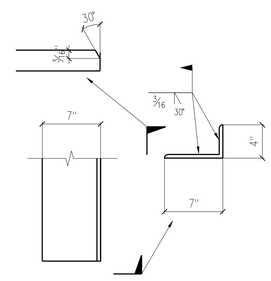


ONE - BEAM ~ 1079B

LOCATION: (REF: E10B)
ONE @ 8/F-F.1



SECTION - C



DETAIL "7"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1079A	HSS10X8X3/8	7'-3 7/8"	A500-GR.B-46	
3	b1079	C6X8.2	1'-7 1/4"	A992	
2	c1035	PL1/4"X8"	0'-10"	A36	
1	c1079	HSS6X2X1/4	7'-10 7/8"	A500-GR.B-46	
1	1079B	HSS10X8X3/8	7'-4 1/16"	A500-GR.B-46	
1	c1035	PL1/4"X8"	0'-10"	A36	
1	d1036	L7X4X7/16	7'-10"	A36	GALV.
2	e1036	PL1/4"X7 1/4"	0'-9 1/4"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: --

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

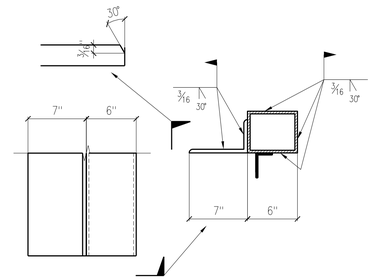
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

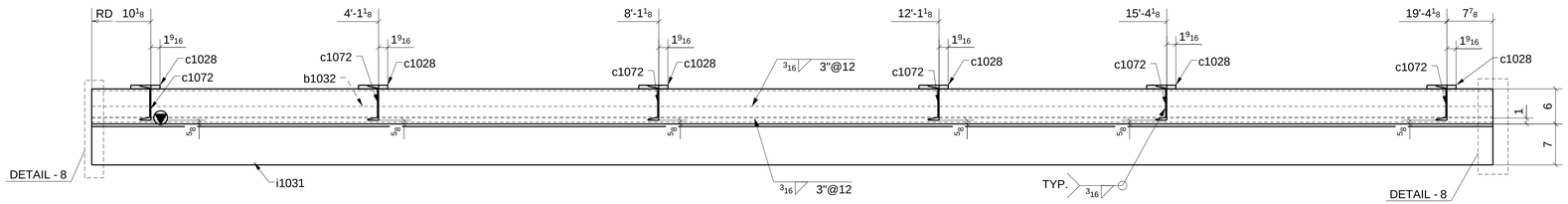
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016

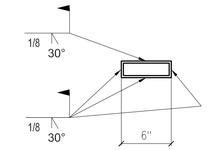
Job No. A16013 BAT: _____ DWG#: 1079



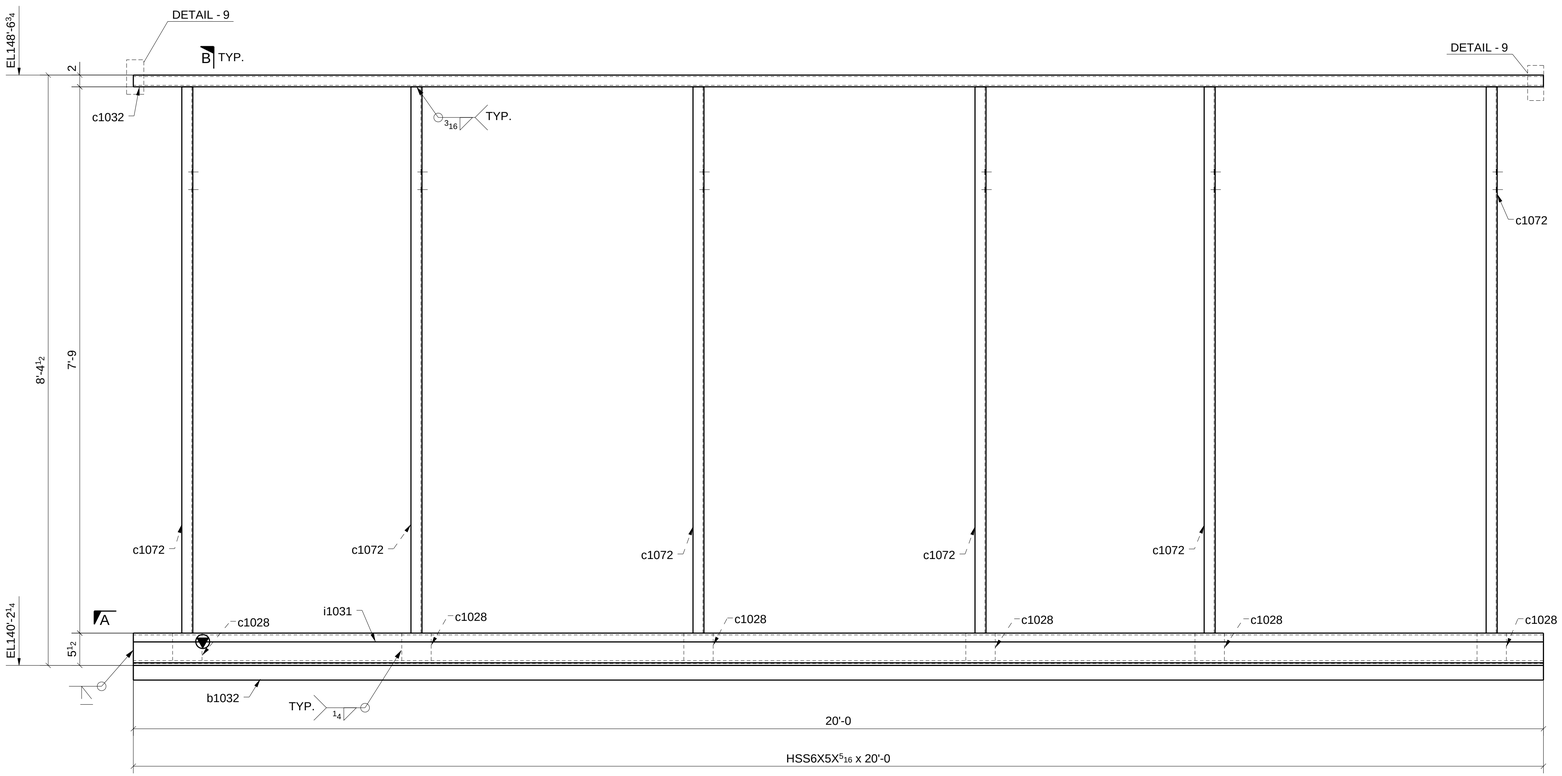
DETAIL "8"



SECTION - A

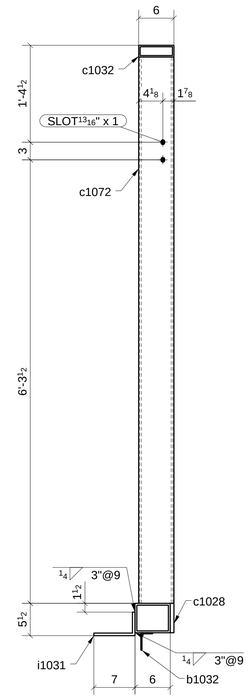


DETAIL "9"



ONE - BEAM ~ 1080A

LOCATION: (REF: E10B)
ONE @ 8/D-F



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1080A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	b1032	L3X2X3/16	20'-0"	A36	
6	c1028	PL5/8"X5"	0'-5"	A36	
1	c1032	HSS6X2X1/4	20'-0"	A500-GR.B-46	
6	c1072	C6X8.2	7'-9"	A992	
1	i1031	L7X4X7/16	20'-0"	A36	GALV.

Romac By: Checked By:

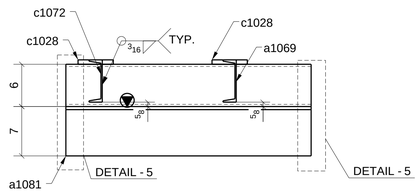
Beamline By: Checked By:

FOR APPROVAL

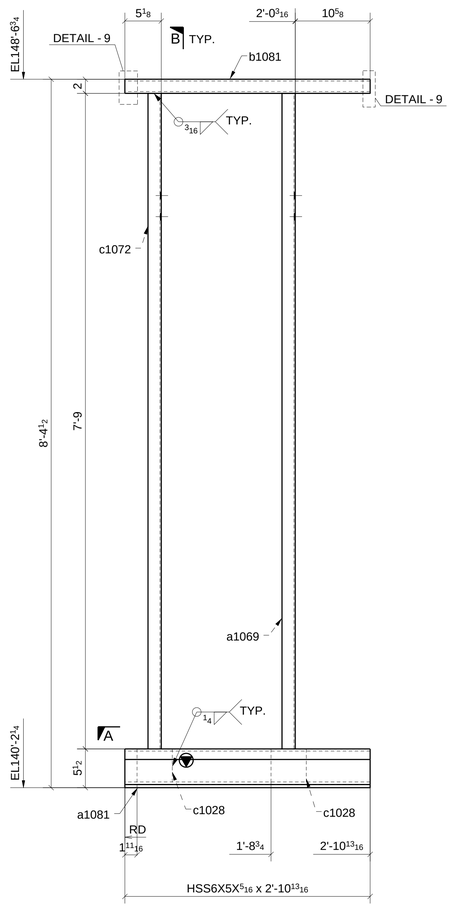
A	FOR APPROVAL		07/28/16
Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No. A16013 BAT: DWG#: 1080

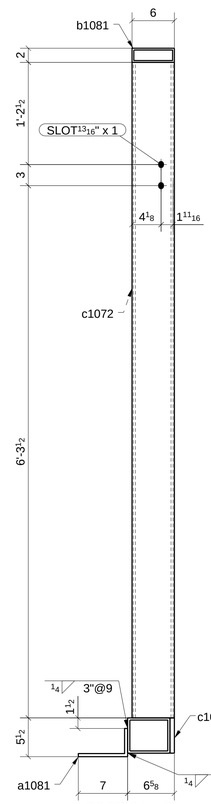


SECTION - A

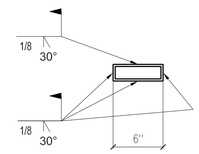


ONE - BEAM ~ 1081A

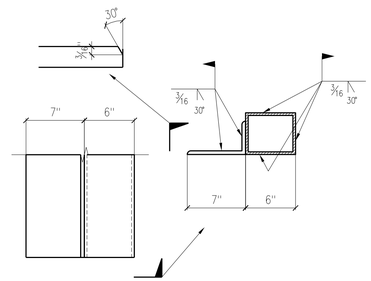
LOCATION: (REF: E10B)
ONE @ 8/E-F



SECTION - B



DETAIL "9"



DETAIL "5"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1081A	HSS6X5X5/16	2'-10 13/16"	A500-GR.B-46	
1	a1069	C6X8.2	7'-9"	A992	
1	a1081	L7X4X7/16	2'-10 13/16	A36	GALV.
1	b1081	HSS6X2X1/4	2'-10 13/16	A500-GR.B-46	
2	c1028	PL5/8"X5"	0'-5"	A36	
1	c1072	C6X8.2	7'-9"	A992	

Romac By: Checked By:

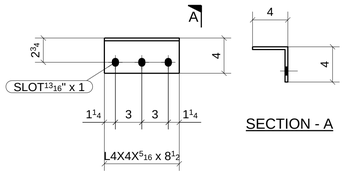
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: ZZ	Date: 07/28/2016 Ckd: LJ Date: 07/29/2016
Job No.	A16013 BAT: DWG#: 1081

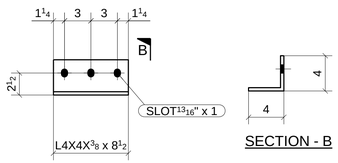
A FOR APPROVAL 07/28/16

Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



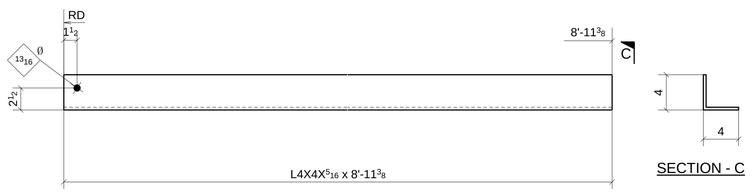
2 - ANGLES ~ 1082A

(REF: E10B)



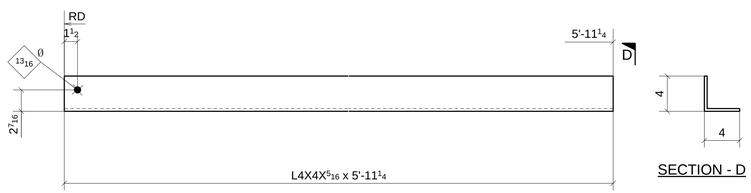
16 - ANGLES ~ 1082B

(REF: E10B)



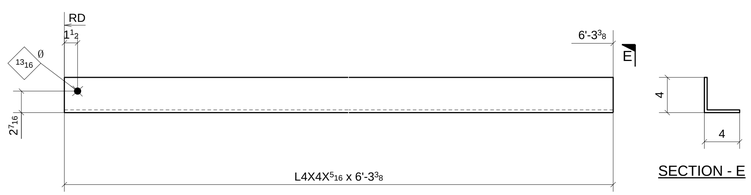
ONE - ANGLE ~ 1082C

(REF: E10B)



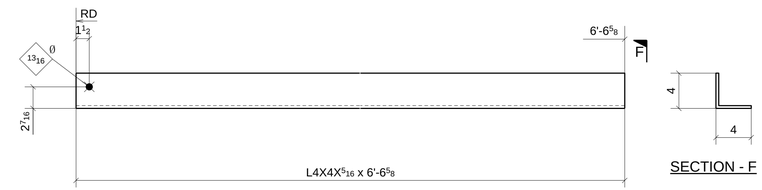
ONE - ANGLE ~ 1082D

(REF: E10B)



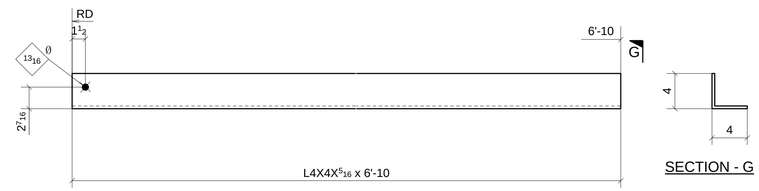
ONE - ANGLE ~ 1082F

(REF: E10B)



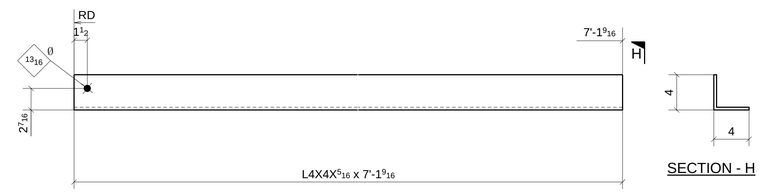
ONE - ANGLE ~ 1082H

(REF: E10B)



ONE - ANGLE ~ 1082K

(REF: E10B)



ONE - ANGLE ~ 1082M

(REF: E10B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	1082A	L4X4X5/16	0'-8 1/2"	A36	
16	1082B	L4X4X3/8	0'-8 1/2"	A36	
1	1082C	L4X4X5/16	8'-11 3/8"	A36	
1	1082D	L4X4X5/16	5'-11 1/4"	A36	
1	1082F	L4X4X5/16	6'-3 3/8"	A36	
1	1082H	L4X4X5/16	6'-6 5/8"	A36	
1	1082K	L4X4X5/16	6'-10"	A36	
1	1082M	L4X4X5/16	7'-1 9/16"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

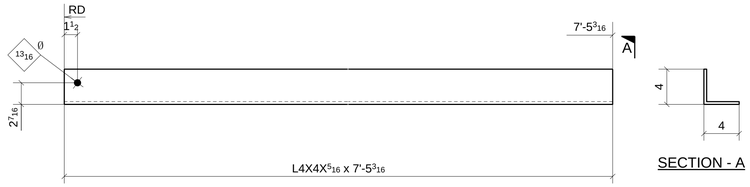
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

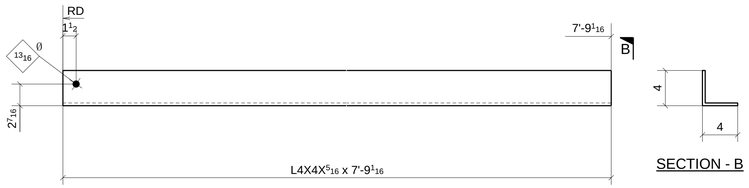
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: _____ DWG#: 1082



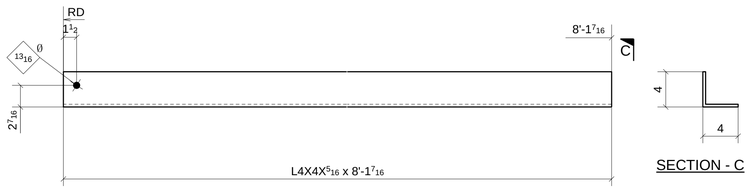
ONE - ANGLE ~ 1083A

(REF: E10B)



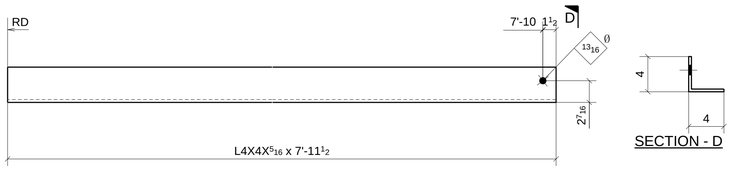
ONE - ANGLE ~ 1083B

(REF: E10B)



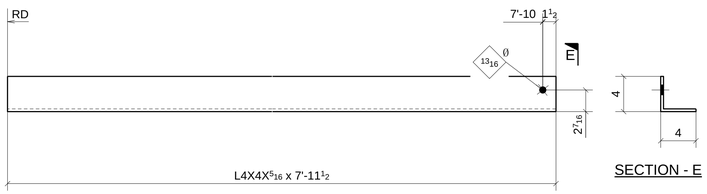
ONE - ANGLE ~ 1083C

(REF: E10B)



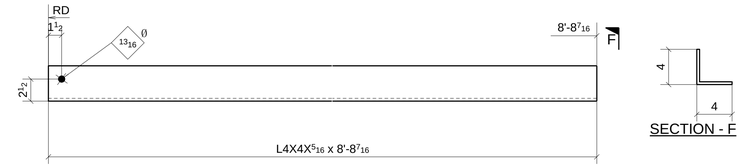
15 - ANGLES ~ 1083D

(REF: E10B)



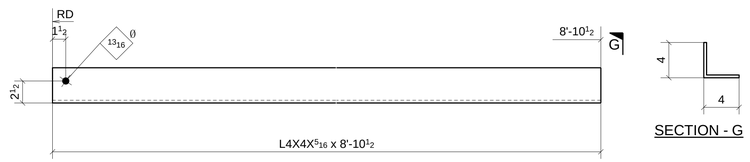
3 - ANGLES ~ 1083F

(REF: E10B)



ONE - ANGLE ~ 1083H

(REF: 0)



ONE - ANGLE ~ 1083K

(REF: 0)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1083A	L4X4X5/16	7'-5 3/16"	A36	
1	1083B	L4X4X5/16	7'-9 1/16"	A36	
1	1083C	L4X4X5/16	8'-1 7/16"	A36	
15	1083D	L4X4X5/16	7'-11 1/2"	A36	
3	1083F	L4X4X5/16	7'-11 1/2"	A36	
1	1083H	L4X4X5/16	8'-8 7/16"	A36	
1	1083K	L4X4X5/16	8'-10 1/2"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

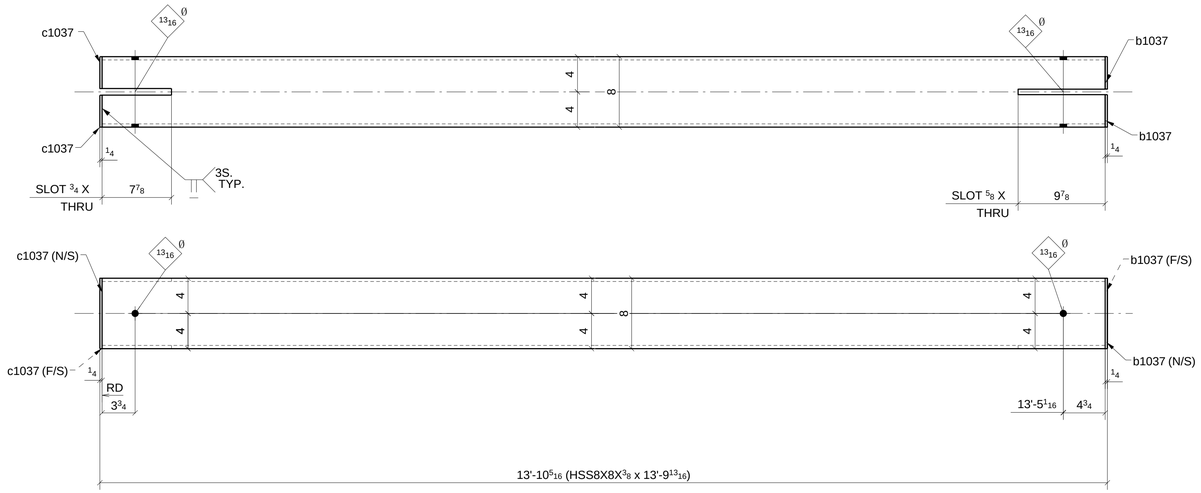
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

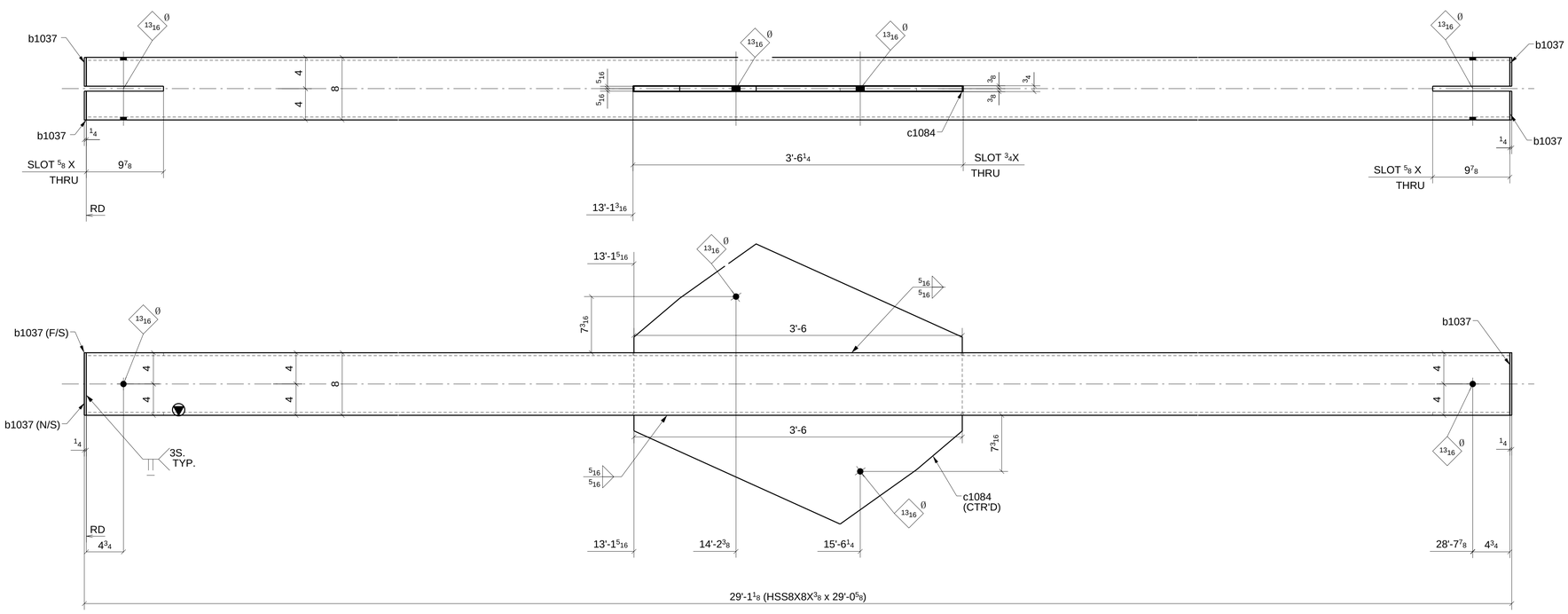
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/28/2016

Job No. A16013 BAT: _____ DWG#: 1083



ONE - VERTICAL BRACE ~ 1084A

(REF: E10C)



ONE - VERTICAL BRACE ~ 1084B

(REF: E10C)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1084A	HSS8X8X3/8	13'-9 13/16"	A500-GR.B-46	
2	b1037	PL1/4"X3 11/16"	0'-8"	A36	
2	c1037	PL1/4"X3 5/8"	0'-8"	A36	
1	1084B	HSS8X8X3/8	29'-0 5/8"	A500-GR.B-46	
4	b1037	PL1/4"X3 11/16"	0'-8"	A36	
1	c1084	PL5/8"X28 1/4"	3'-7 3/16"	A572-GR.50	

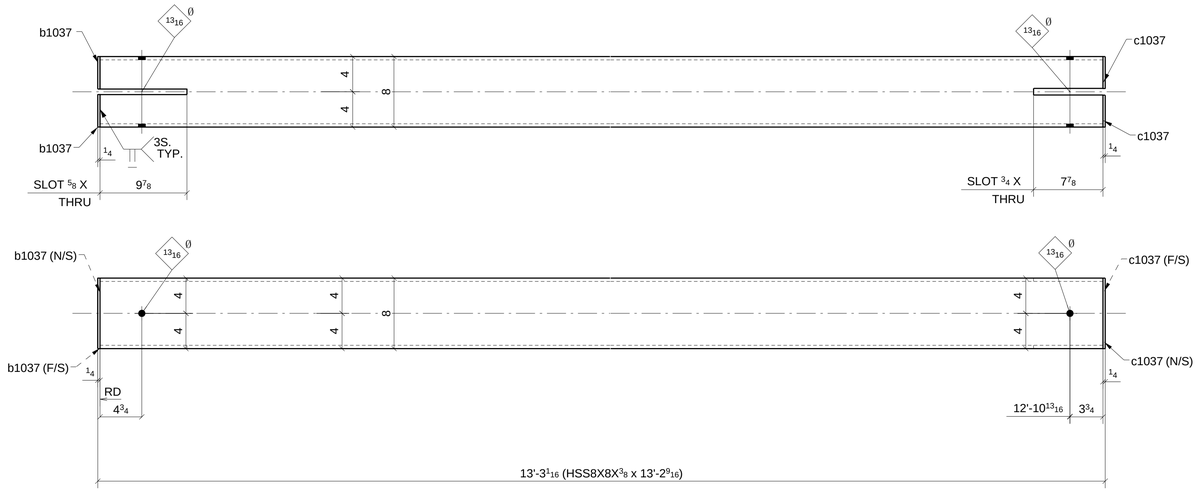
Romac By:		Checked By:	
Beamline By:		Checked By:	

A FOR APPROVAL 07/28/16

Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

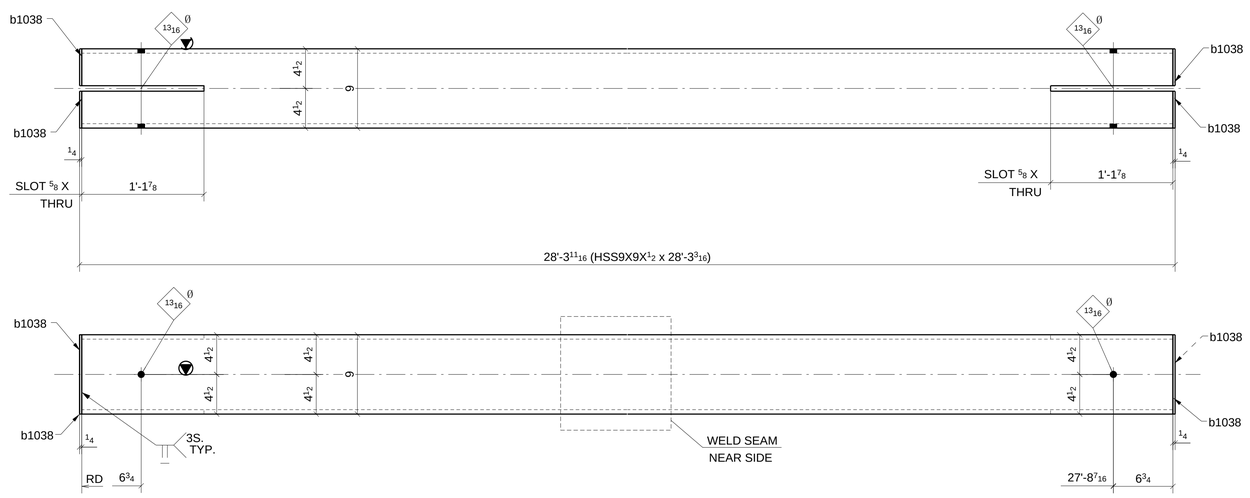
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn: ZZ	Date: 07/28/2016	Ckd: LJ	Date: 07/29/2016		
Job No. A16013	BAT:	DWG#: 1084			



ONE - VERTICAL BRACE ~ 1085A

(REF: E10C)



ONE - VERTICAL BRACE ~ 1085B

(REF: E10C)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1085A	HSS8X8X3/8	13'-2 9/16"	A500-GR.B-46	
2	b1037	PL1/4"X3 11/16"	0'-8"	A36	
2	c1037	PL1/4"X3 5/8"	0'-8"	A36	
1	1085B	HSS9X9X1/2	28'-3 3/16"	A500-GR.B-46	
4	b1038	PL1/4"X4 3/16"	0'-9"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

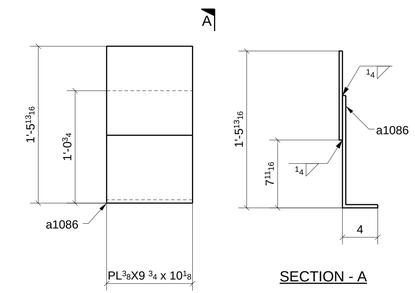
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

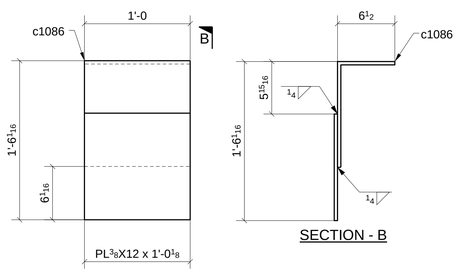
Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016

Job No. A16013 BAT: _____ DWG#: 1085



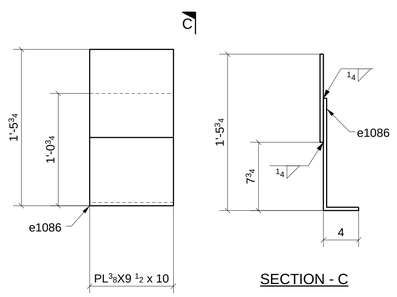
ONE - PLATE ~ 1086A

(REF: E10B)



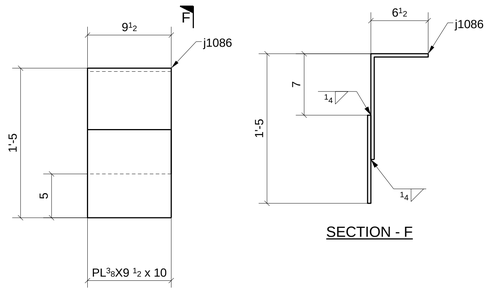
ONE - PLATE ~ 1086B

(REF: E10B)



ONE - PLATE ~ 1086C

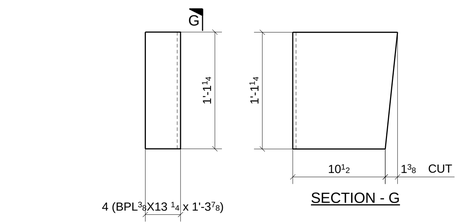
(REF: E10B)



SECTION - F

ONE - PLATE ~ 1086F

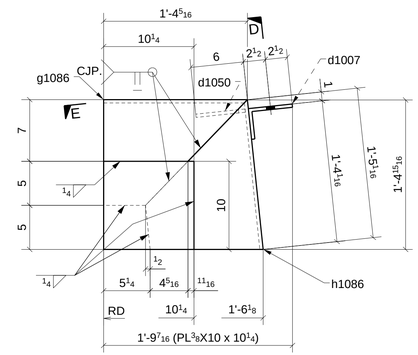
(REF: E10B)



SECTION - G

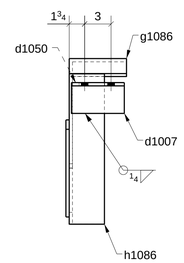
ONE - PLATE ~ 1086H

(REF: E10B)

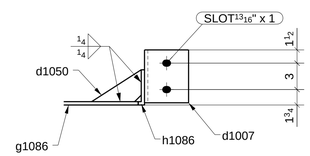


ONE - PLATE ~ 1086D

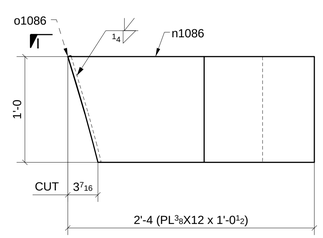
(REF: E10B)



SECTION - D

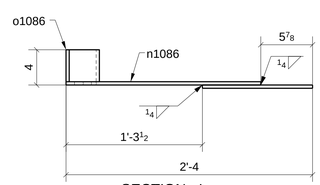


SECTION - E



ONE - PLATE ~ 1086M

(REF: E10B)



SECTION - I

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1086A	PL3/8"X9 3/4"	0'-10 1/8"	A36	
1	a1086	BPL3/8"X9 3/4"	1'-4 3/4"	A36	
1	1086B	PL3/8"X12"	1'-0 1/8"	A36	
1	c1086	BPL3/8"X12"	1'-6 1/2"	A36	
1	1086C	PL3/8"X9 1/2"	0'-10"	A36	
1	e1086	BPL3/8"X9 1/2"	1'-4 3/4"	A36	
1	1086D	PL3/8"X10"	0'-10 1/4"	A36	
1	d1007	L5X3-1/2X3/8	0'-6"	A36	
1	d1050	PL3/8"X3 5/8"	0'-5 5/8"	A36	
1	g1086	BPL3/8"X16 5/16"	1'-6 1/2"	A36	
1	h1086	BPL3/8"X16 3/4"	1'-5 1/16"	A36	
1	1086F	PL3/8"X9 1/2"	0'-10"	A36	
1	j1086	BPL3/8"X9 1/2"	1'-6 1/2"	A36	
1	1086H	BPL3/8"X13 1/4"	1'-3 7/8"	A36	
1	1086M	PL3/8"X12"	1'-0 1/2"	A36	
1	n1086	PL3/8"X12"	1'-10 1/8"	A36	
1	o1086	BPL3/8"X3 5/8"	1'-0 1/2"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	07/28/16

Sequence: 10 Ref. E-Plans: –

Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.

Holes: 13/16"DIA. Bolts: NOTED

Cleaning: NONE

Paint: NO

DFT: _____ COLOR: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

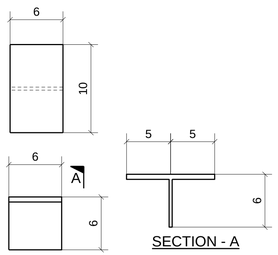
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

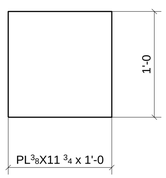
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/28/2016 Ckd: LJ Date: 07/29/2016

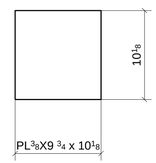
Job No. A16013 BAT: _____ DWG#: 1086



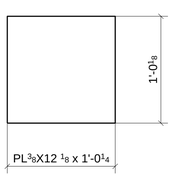
ONE - LOOSE MATERIAL ~ 1087A
(REF: E10B)



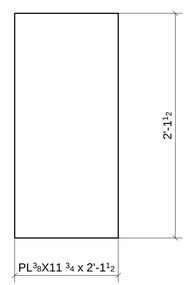
2 - PLATES ~ 1087B
(REF: E10B)



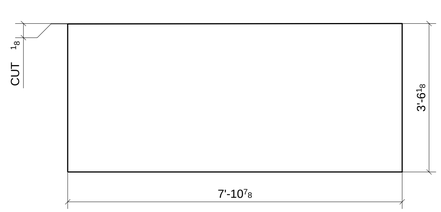
ONE - PLATE ~ 1087C
(REF: E10B)



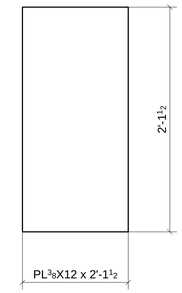
ONE - PLATE ~ 1087D
(REF: E10B)



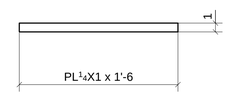
ONE - PLATE ~ 1087F
(REF: E10B)



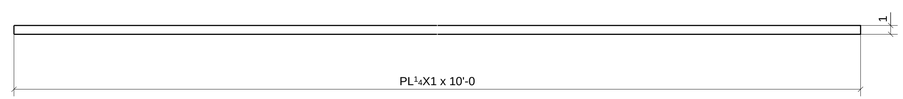
ONE - PLATE ~ 1087V
(REF: E10B)



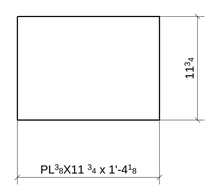
ONE - PLATE ~ 1087H
(REF: E10B)



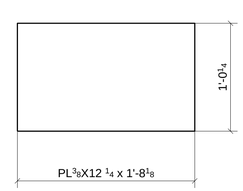
ONE - PLATE ~ 1087K
(REF: E10B)



ONE - PLATE ~ 1087M
(REF: E10B)



ONE - PLATE ~ 1087P
(REF: E10B)



3 - PLATES ~ 1087T
(REF: E10B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	1087A	WT6X26.5	0'-6"	A992	
2	1087B	PL3/8"X11 3/4"	1'-0"	A36	
1	1087C	PL3/8"X9 3/4"	0'-10 1/8"	A36	
1	1087D	PL3/8"X12 1/8"	1'-0 1/4"	A36	
1	1087F	PL3/8"X11 3/4"	2'-1 1/2"	A36	
1	1087H	PL3/8"X12"	2'-1 1/2"	A36	
1	1087K	PL1/4"X1"	1'-6"	A36	
1	1087M	PL1/4"X1"	10'-0"	A36	
1	1087P	PL3/8"X11 3/4"	1'-4 1/8"	A36	
3	1087T	PL3/8"X12 1/4"	1'-8 1/8"	A36	
1	1087V	PL1/8"X42 1/8"	7'-10 7/8"	A36	

Romac By:		Checked By:	
Beamline By:		Checked By:	

A FOR APPROVAL 07/28/16

Sequence:	10	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	ZZ	Date: 07/28/2016	Ckd: LJ	Date:	07/29/2016
Job No.	A16013	BAT:		DWG#:	1087

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

051200-027
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

051200
SPECIFICATION SECTION / PARAGRAPH

Atlas Iron Works
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- (•) Shop Drawings
- ( ) Samples (_____ copies)
- ( ) LEED Submittal
- ( ) Certification / Qualifications
- ( ) Record Documents
- ( ) Product Data
- ( ) Coordination Drawing
- ( ) Calculations
- ( ) Schedules
- ( ) O&M Manuals
- ( ) Other _____

ITEM BEING SUBMITTED FOR (check only one)

- (•) Action
- ( ) Information Only
- ( ) Record

REMARKS OR DEVIATIONS

IT IS THE RESPONSIBILITY OF THE FABRICATOR TO COORDINATE THE STEEL CONNECTION DESIGNS WITH THE STEEL SHOP DRAWINGS.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

8/2/16
DATE

To be completed by Reviewer

05 1200-027
CANNON DESIGN SUBMITTAL NUMBER

8/3/16
RECEIVED DATE

- ( ) A. No Exceptions Taken
  No further review of submittal is required.
- (•) B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ( ) C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ( ) D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ( ) E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ( ) F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

( ) See attached sheet(s) for additional comments

SHOP DRAWING / SUBMITTAL REVIEW

- [ ] NO EXCEPTION TAKEN
- [x] EXCEPTIONS NOTED, RESUBMITTAL NOT REQUIRED
- [ ] REJECTED
- [ ] REVIEWED FOR INFORMATION ONLY
- [ ] REVISE AND RESUBMIT AS NOTED

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of the construction, coordination of his work with that of all other trades and the satisfactory performance of his work.

DAVID MASON & ASSOCIATES, INC.

REVIEW BY: JYW DATE: 08/24/2016

JILL WALKER / DMA
REVIEWED BY

08/24/2016
DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0170

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 08/02/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Webster Seq 10 Steel

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☑ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		051200-027	1		08/02/2016	Webster Seq 10 Steel	Submitted

NOTES:

CC:

Signed: _____
Devin Gates