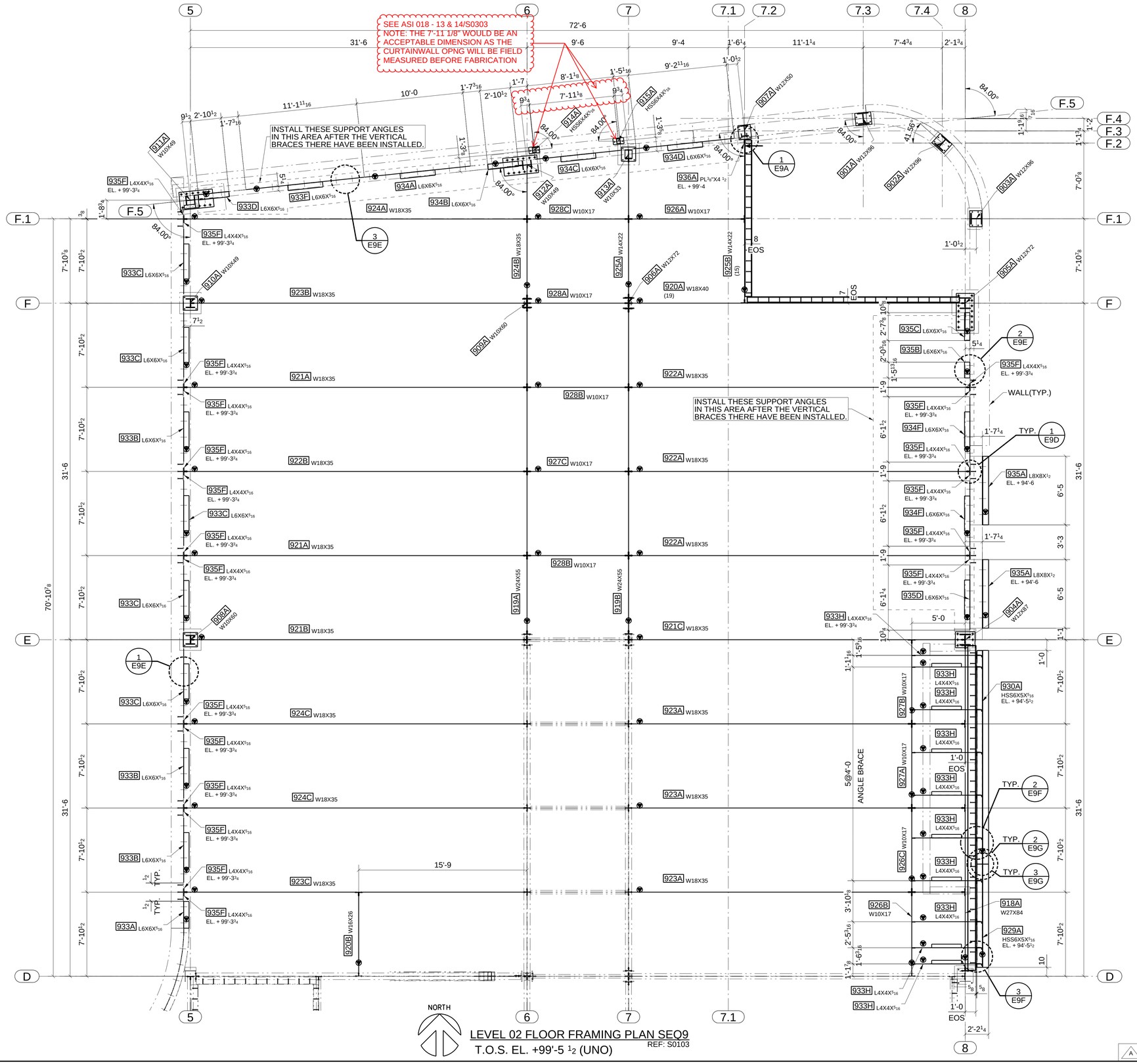
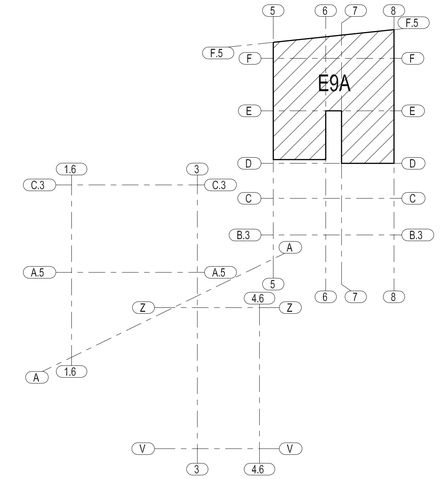
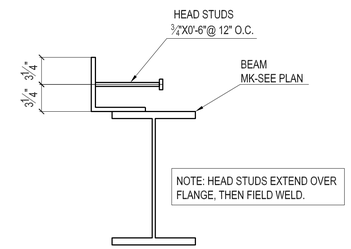


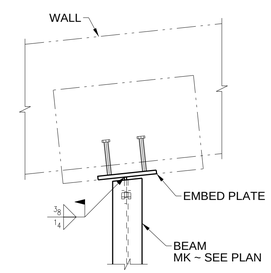
LEVEL 02 FLOOR FRAMING PLAN SEQ9
T.O.S. EL. +99'-5 1/2 (UNO)
REF: S0103



KEY PLAN AT 99'-5 1/2"



HEAD STUDS FIELD WELD DETAIL



DETAIL - 1

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.

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

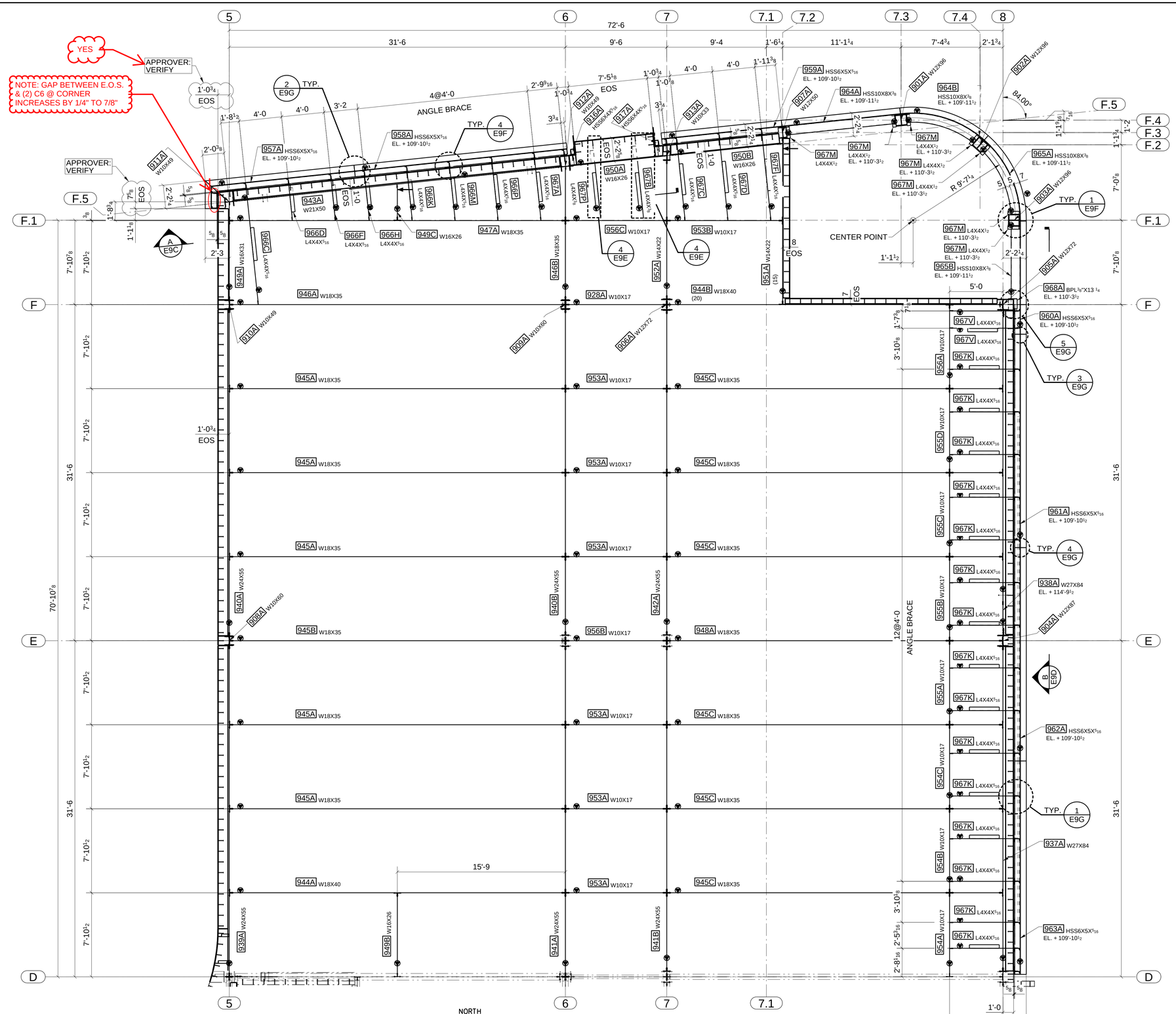
#4, (x) BELOW THE PART MARK ON FRAMING PLANS INDICATES THE NUMBER OF HEADED STUD PER BENT PLATE TO BE FIELD WELD.

FOR APPROVAL

A	FOR APPROVAL 07/15/16

ATLAS IRON WORKS
ST. LOUIS, MO.

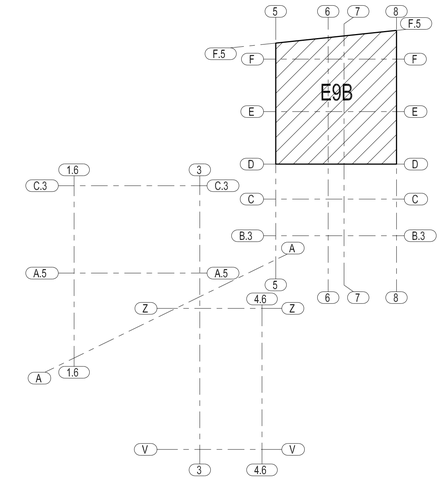
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn: TLI	Date: 06/30/2016	Ckd: LJ	Date: 07/18/2016		
Job No. A16013	BAT:	DWG#: E9A			



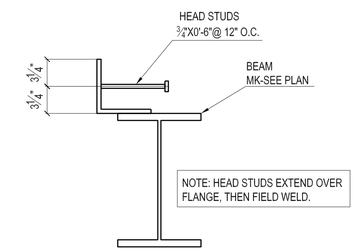
LEVEL 03 FLOOR FRAMING PLAN SEQ9

REF: S0104

T.O.S. EL. +114'-9 ½ (UNO)



KEY PLAN AT 114'-9 1/2"



HEAD STUDS FIELD WELD DETAIL

FOR APPROVAL

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.

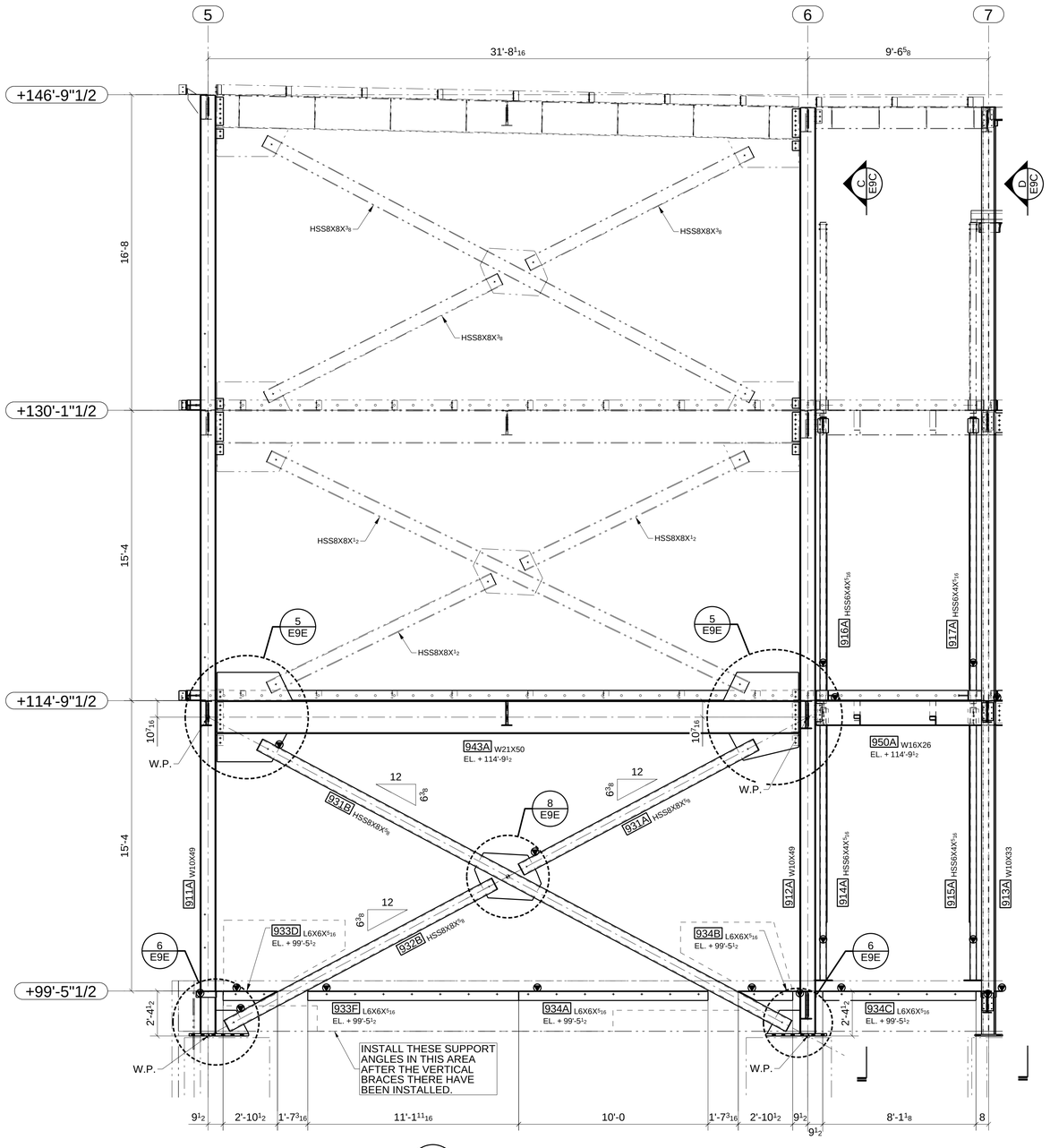
#3, U.N.O.(►) LOCATE THE WEB OF BEAM AT SOUTH OR WEST SIDE OF SHEAR TAB.

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

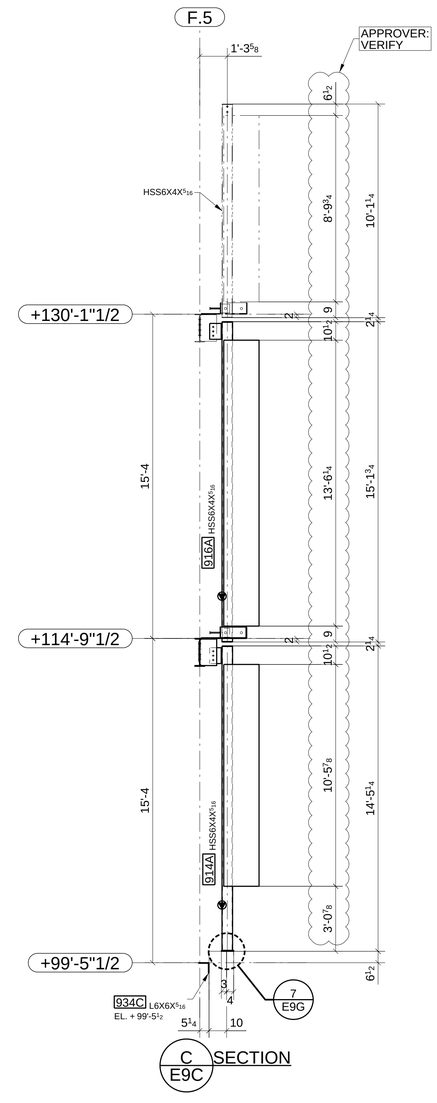
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: TLI	Date: 07/12/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013	BAT: DWG#: E9B

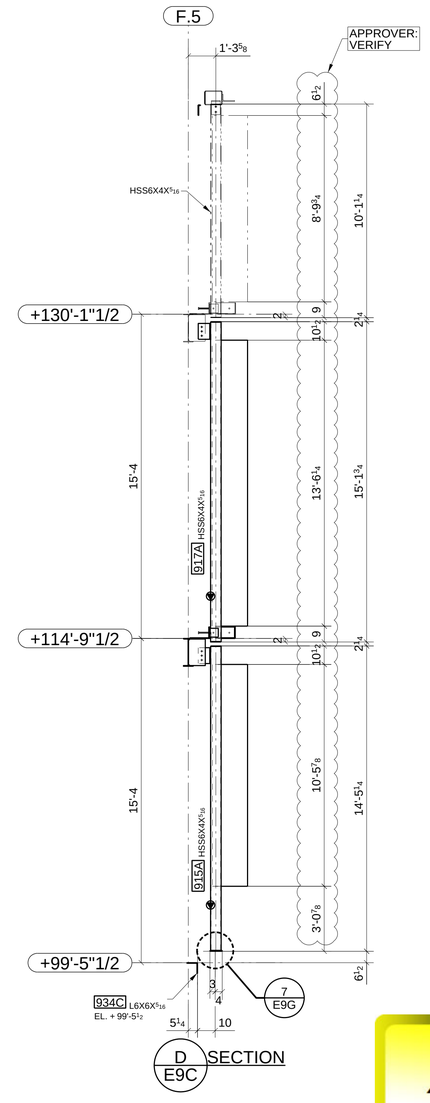
A FOR APPROVAL 07/15/16



A / E9B SECTION ELEVATION ON LINE F.5



C / E9C SECTION



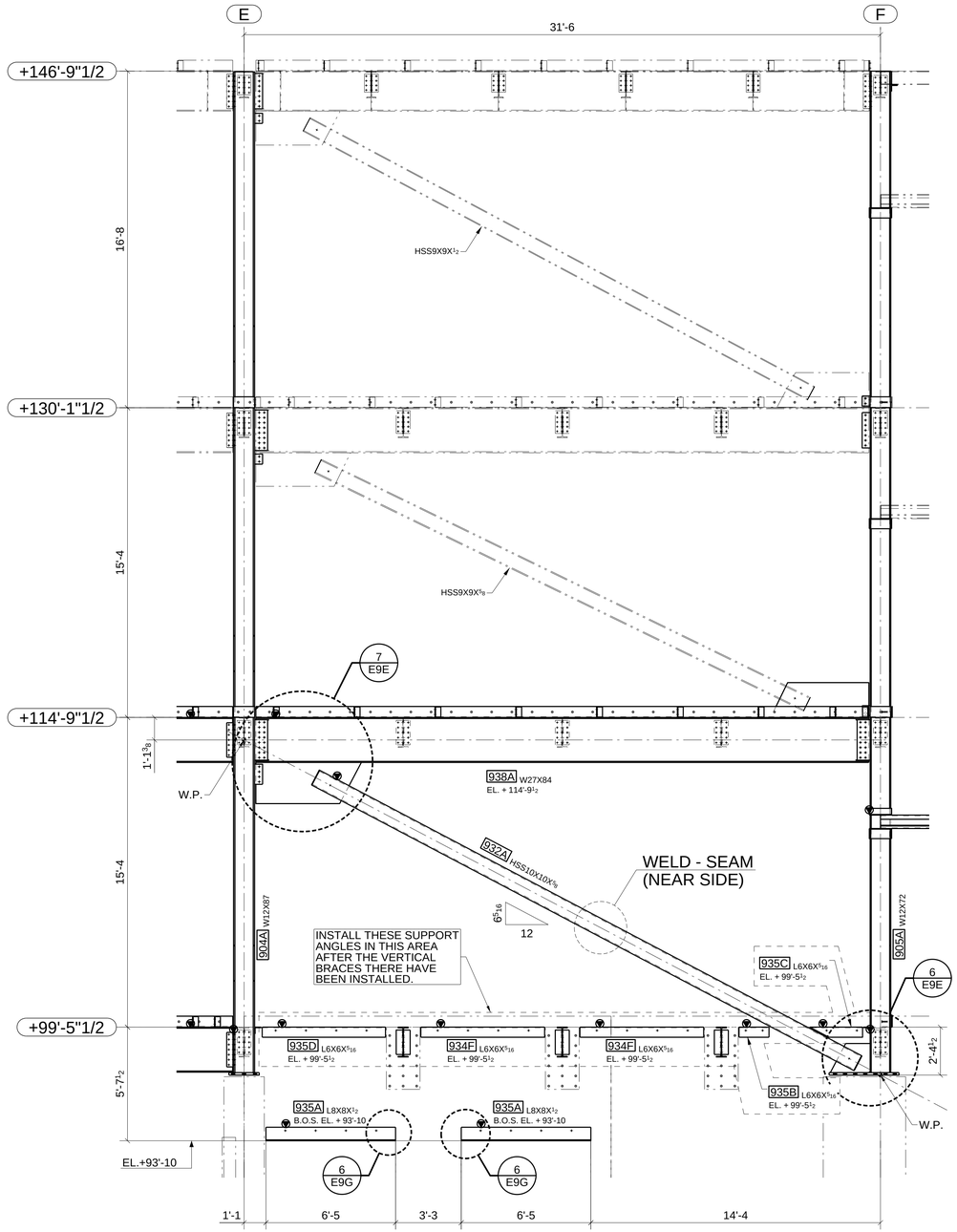
D / E9C SECTION

FOR APPROVAL

ATLAS IRON WORKS
ST. LOUIS, MO.

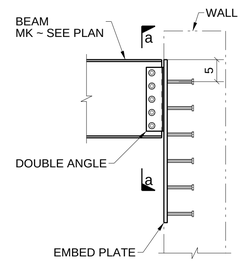
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: TLI	Date: 07/12/2016 Ckd: LJ Date: 07/18/2016
Job No.	A16013 BAT: DWG#: E9C

A	FOR APPROVAL	07/15/16

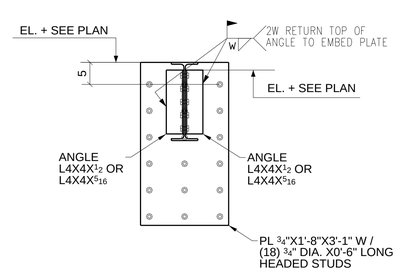


B
E9B SECTION
ELEVATION ON LINE 8

WELD SIZE SCHEDULE (DETAIL 1)	
DOUBLE ANGLE SIZE	WELD SIZE (W)
L4X4X1/2	5/16"
L4X4X5/16	1/4"



DETAIL - 1



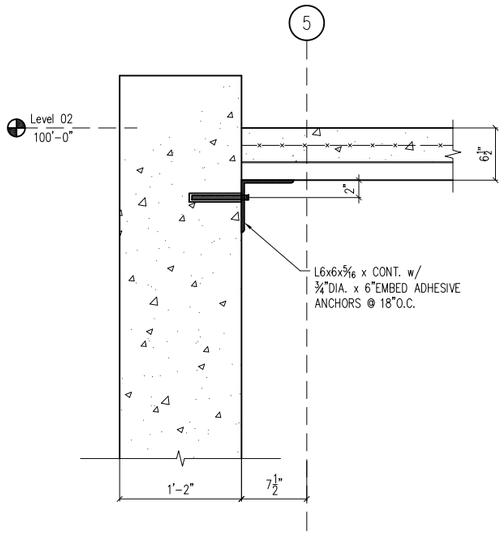
a - a

FOR APPROVAL

ATLAS IRON WORKS
ST. LOUIS, MO.

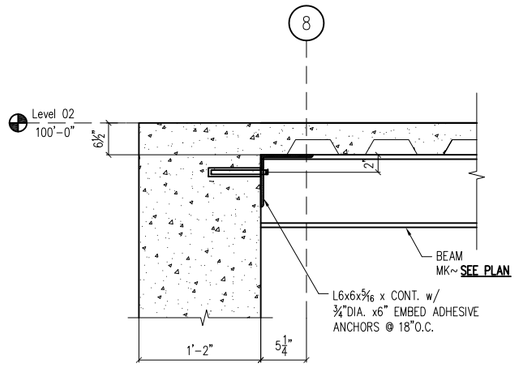
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: E9D

A	FOR APPROVAL	07/15/16



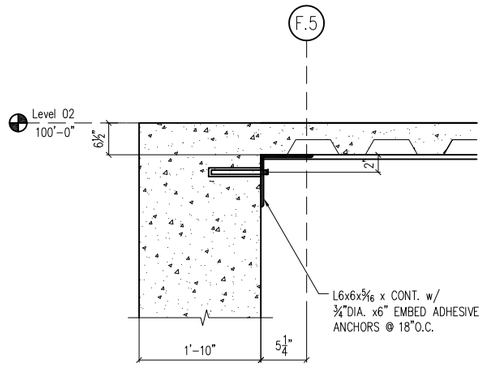
DETAIL – 1

REF: 16/S0303



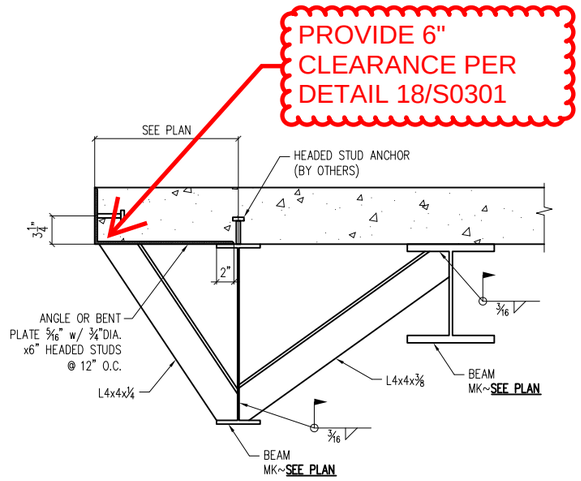
DETAIL – 2

REF: 2/S0300



DETAIL – 3

REF: 17/S0300



DETAIL – 4

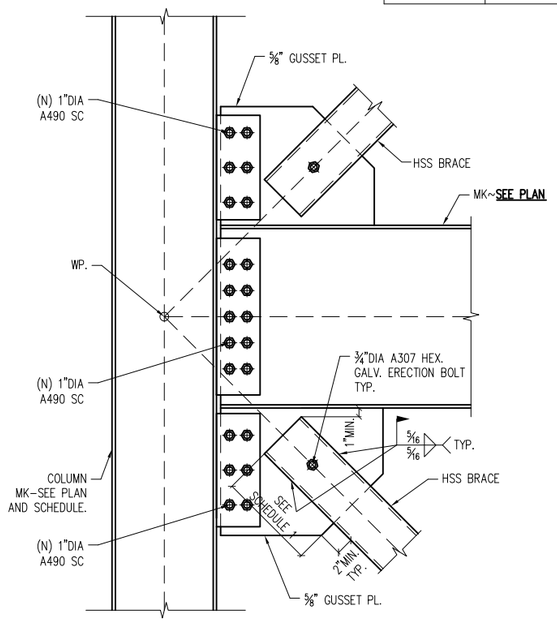
REF: 26/S0002

SCHEDULE 1	
LOCATION	WELD LENGTH
GRID F.5/5-6	12"

SCHEDULE 2	
LOCATION	WELD LENGTH
GRID E-F/8	12"
GRID F.5/5-6	10"

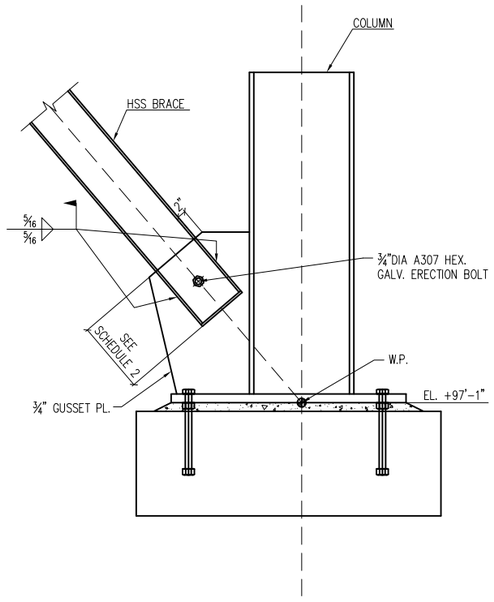
SCHEDULE 3	
LOCATION	WELD LENGTH
GRID E-F/8	20"

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



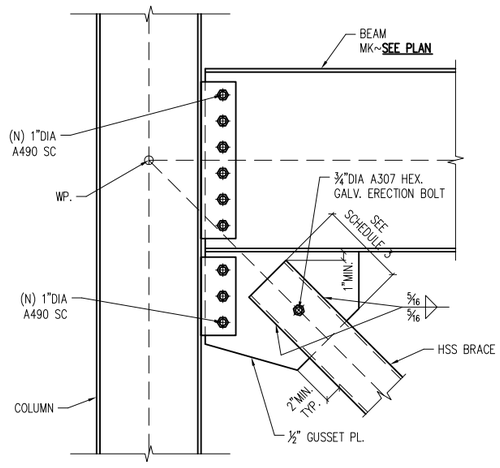
DETAIL – 5

REF: 4/S0304



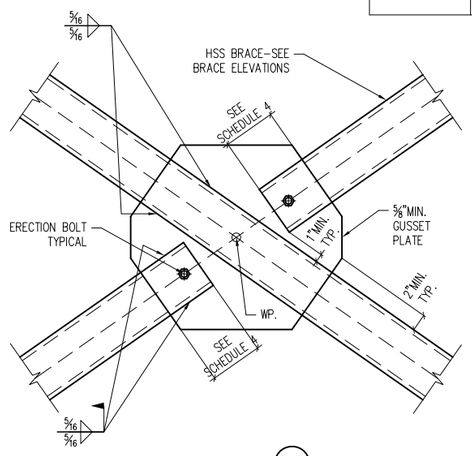
DETAIL – 6

REF: 2/S0304



DETAIL – 7

REF: 2/S0304



DETAIL – 8

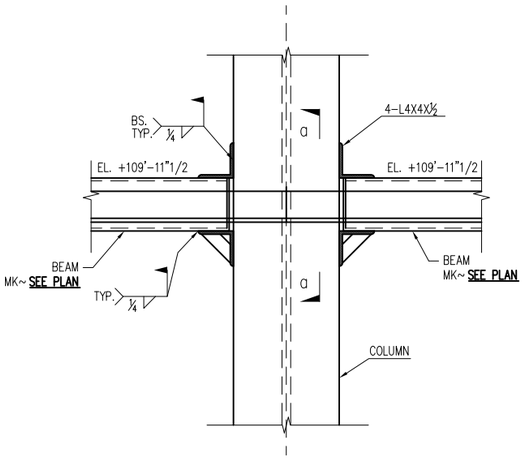
REF: 5/S0304

FOR APPROVAL

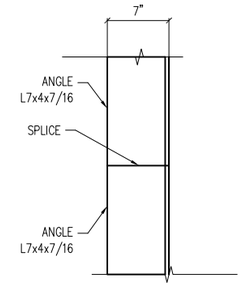
A	FOR APPROVAL	07-15-16

ATLAS IRON WORKS
ST. LOUIS, MO.

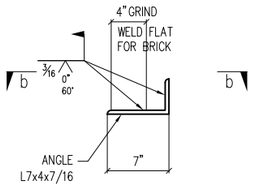
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ **Date:** 07/15/16 **Ckd:** LJ **Date:** 07/15/16
Job No. A16013 **BAT:** **DWG#:** E9E



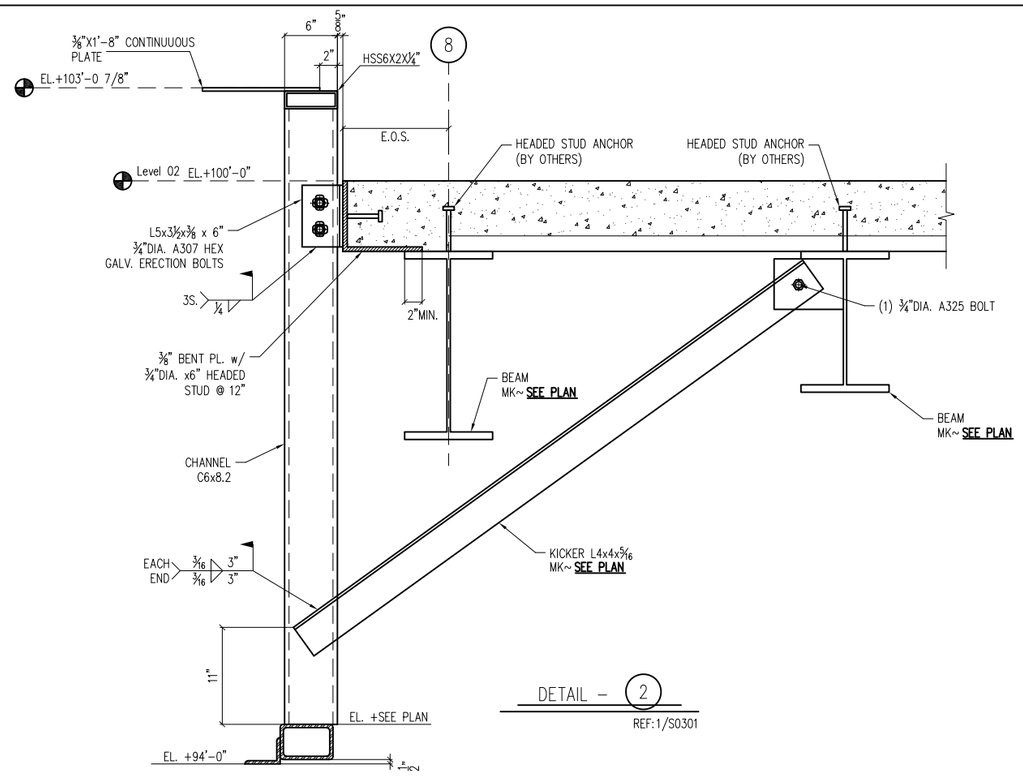
DETAIL – 1



b–b

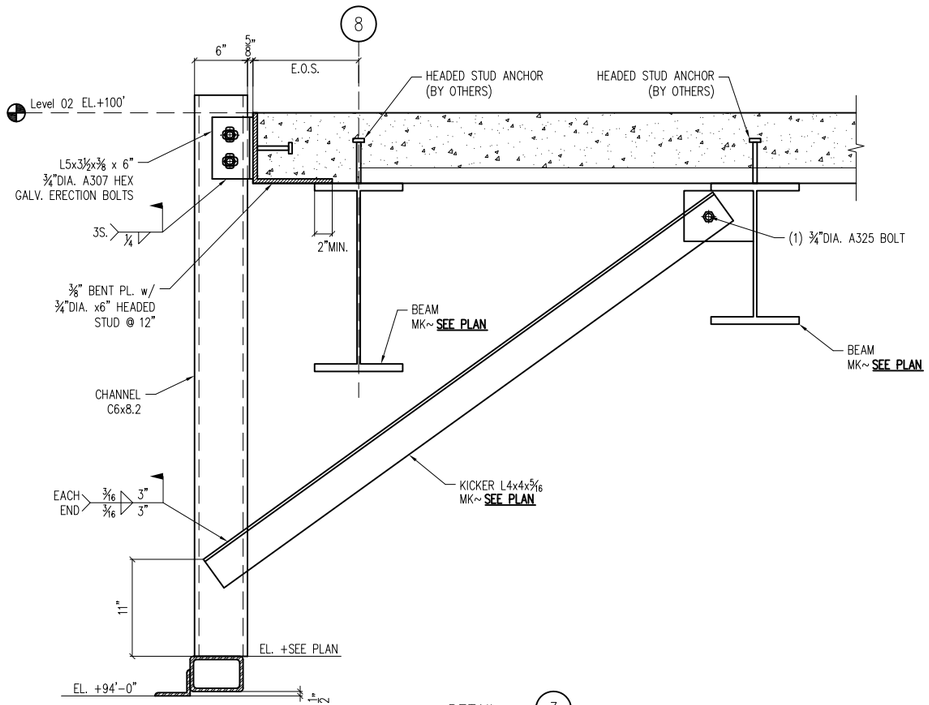


a–a



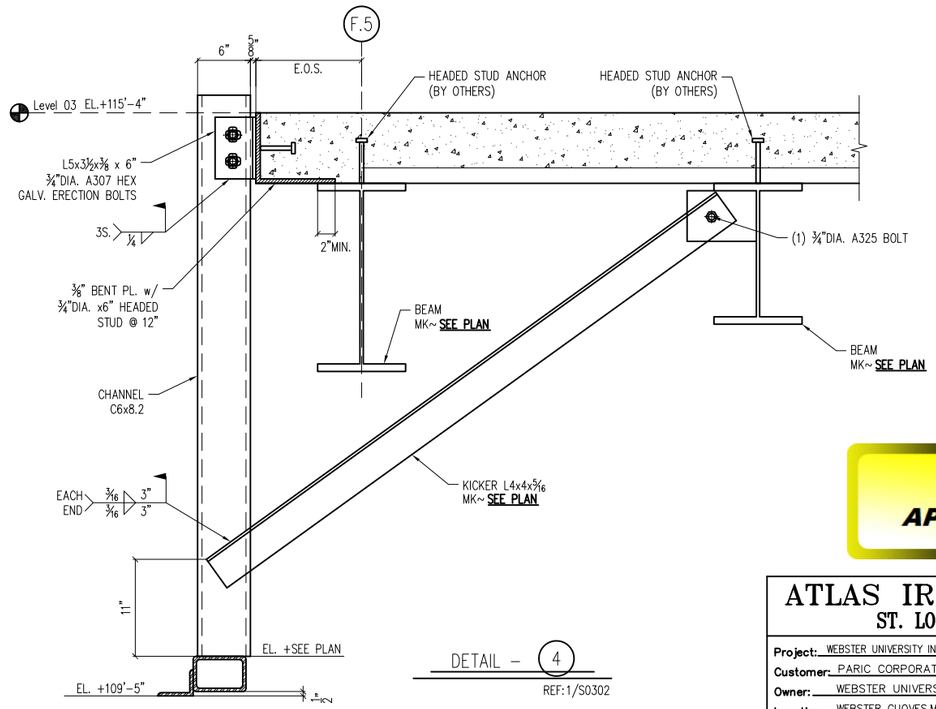
DETAIL – 2

REF:1/S0301



DETAIL – 3

REF:2/S0301



DETAIL – 4

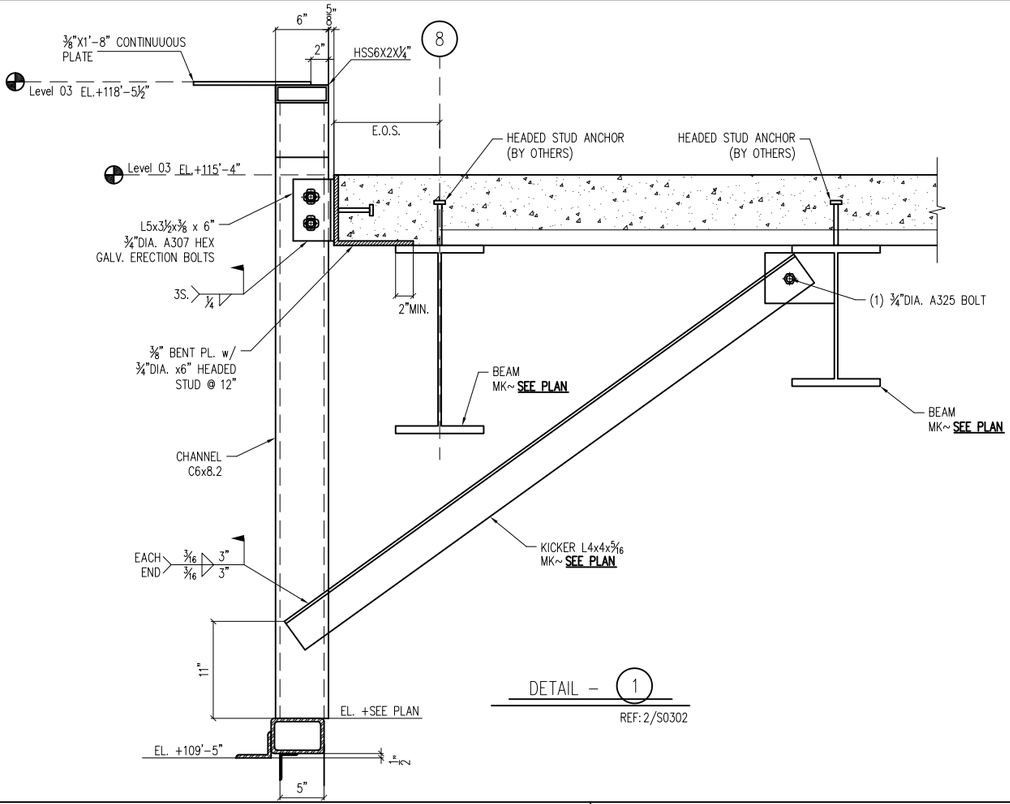
REF:1/S0302

FOR APPROVAL

	REF:1/S0302	
A	FOR APPROVAL	07–15–16

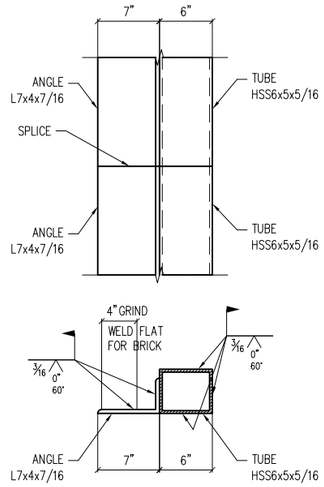
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ **Date:** 07/15/16 **Ckd:** LJ **Date:** 07/15/16
Job No. A16013 **BAT:** **DWG#:** E9F

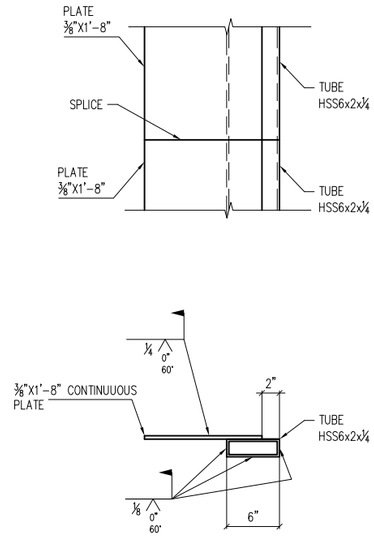


DETAIL – 1

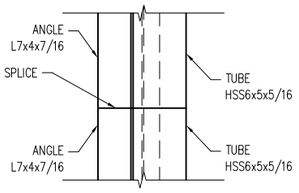
REF: 2/S0302

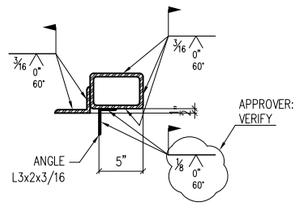


DETAIL – 2

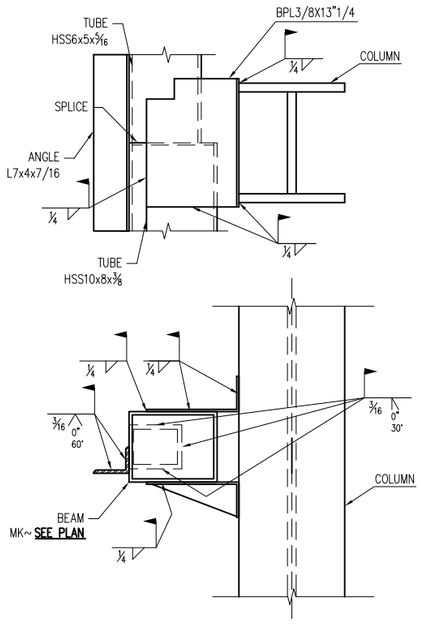


DETAIL – 3

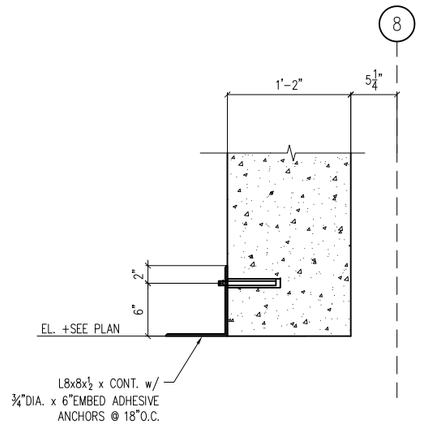




DETAIL – 4

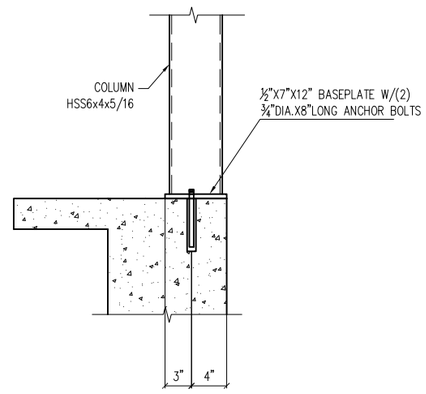


DETAIL – 5



DETAIL – 6

REF: 4/S0300



DETAIL – 7

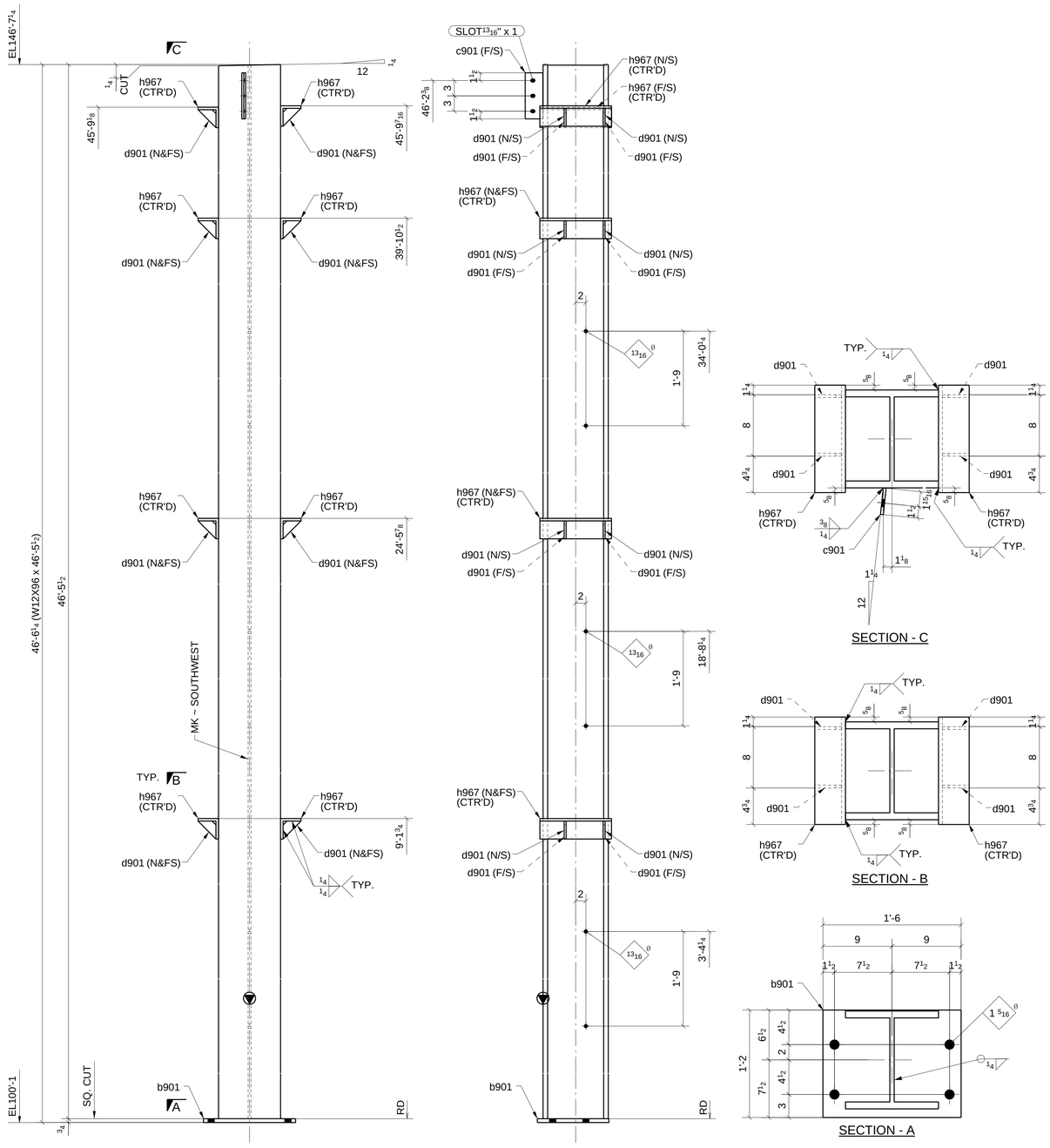
REF: 14/S0303

FOR APPROVAL

0	FOR APPROVAL	07-15-16

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ **Date:** 07/15/16 **Ckd:** LJ **Date:** 07/15/16
Job No. A16013 **BAT:** **DWG#:** E9C



ONE - COLUMN ~ 901A

LOCATION: ONE @ 7.3/F.4 (REF: E9A,E9B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	901A	W12X96	46'-5 1/2"	A992	
1	b901	PL3/4"X14"	1'-6"	A36	
1	c901	PL3/8"X3 7/16"	0'-9"	A36	
16	d901	PL3/8"X3 1/2"	0'-3 1/2"	A36	
8	h967	L4X4X1/2	1'-2"	A36	

FOR APPROVAL

A	FOR APPROVAL		07/15/16
Sequence:	9	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

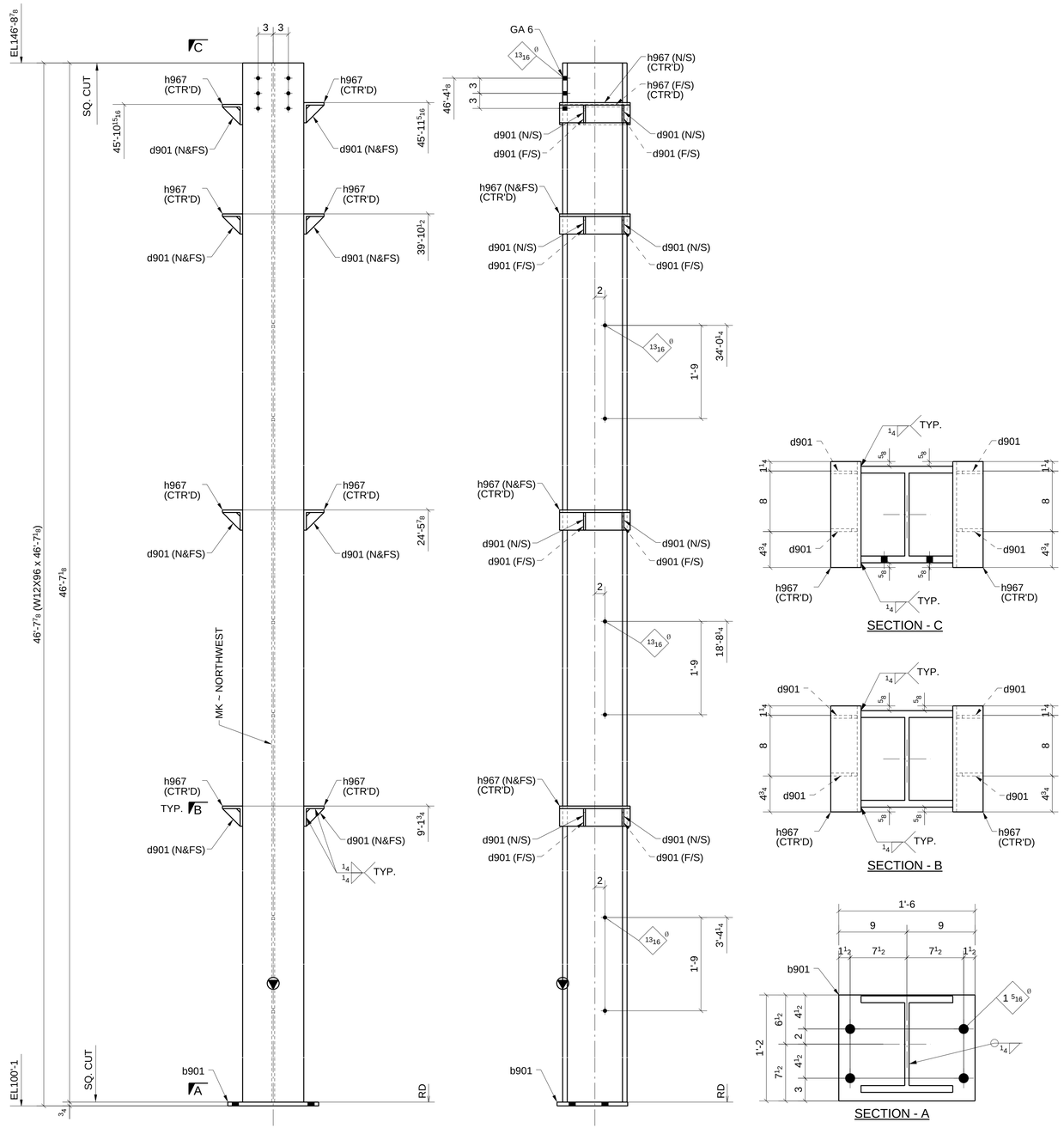
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 07/08/2016 Ckd: LJ Date: 07/15/2016

Job No. A16013 BAT: DWG#: 901



ONE - COLUMN ~ 902A

LOCATION: (REF: E9A,E9B)

ONE @ 7.4/F.2

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	902A	W12X96	46'-7 1/8"	A992	
1	b901	PL3/4"X14"	1'-6"	A36	
16	d901	PL3/8"X3 1/2"	0'-3 1/2"	A36	
8	h967	L4X4X1/2	1'-2"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

Sequence: 9 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

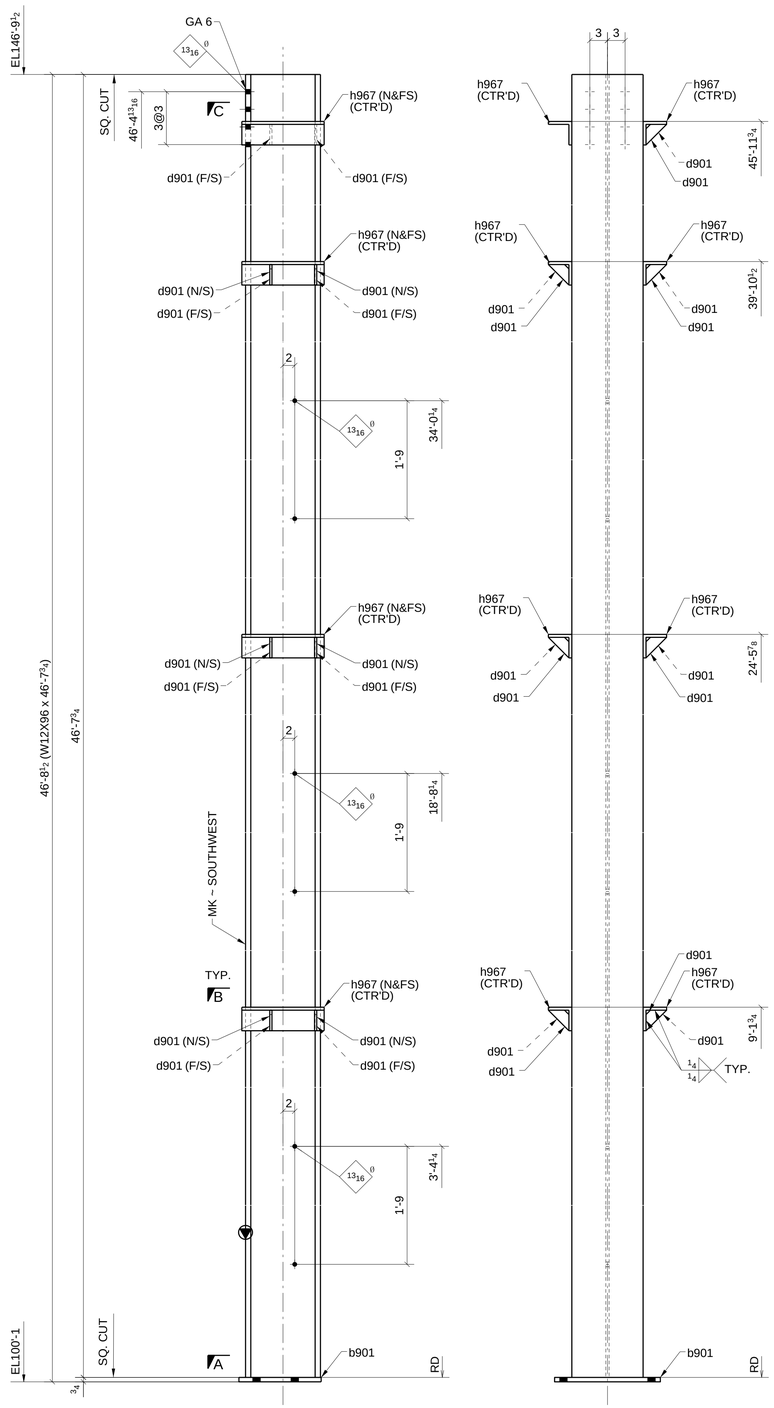
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016

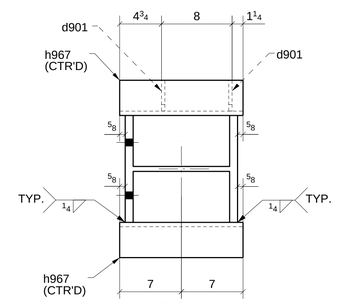
Job No. A16013 BAT: DWG#: 902



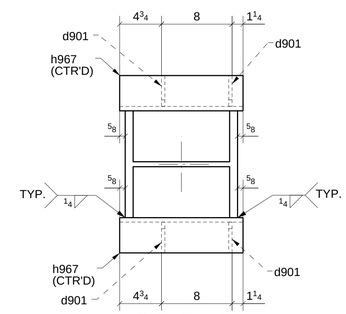
ONE - COLUMN ~ 903A

LOCATION: ONE @ 8/F.1

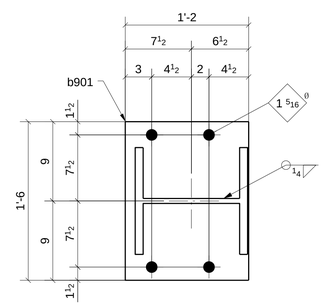
(REF: E9A,E9B)



SECTION - C



SECTION - B



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	903A	W12X96	46'-7 3/4"	A992	
1	b901	PL3/4"X14"	1'-6"	A36	
14	d901	PL3/8"X3 1/2"	0'-3 1/2"	A36	
8	h967	L4X4X1/2	1'-2"	A36	

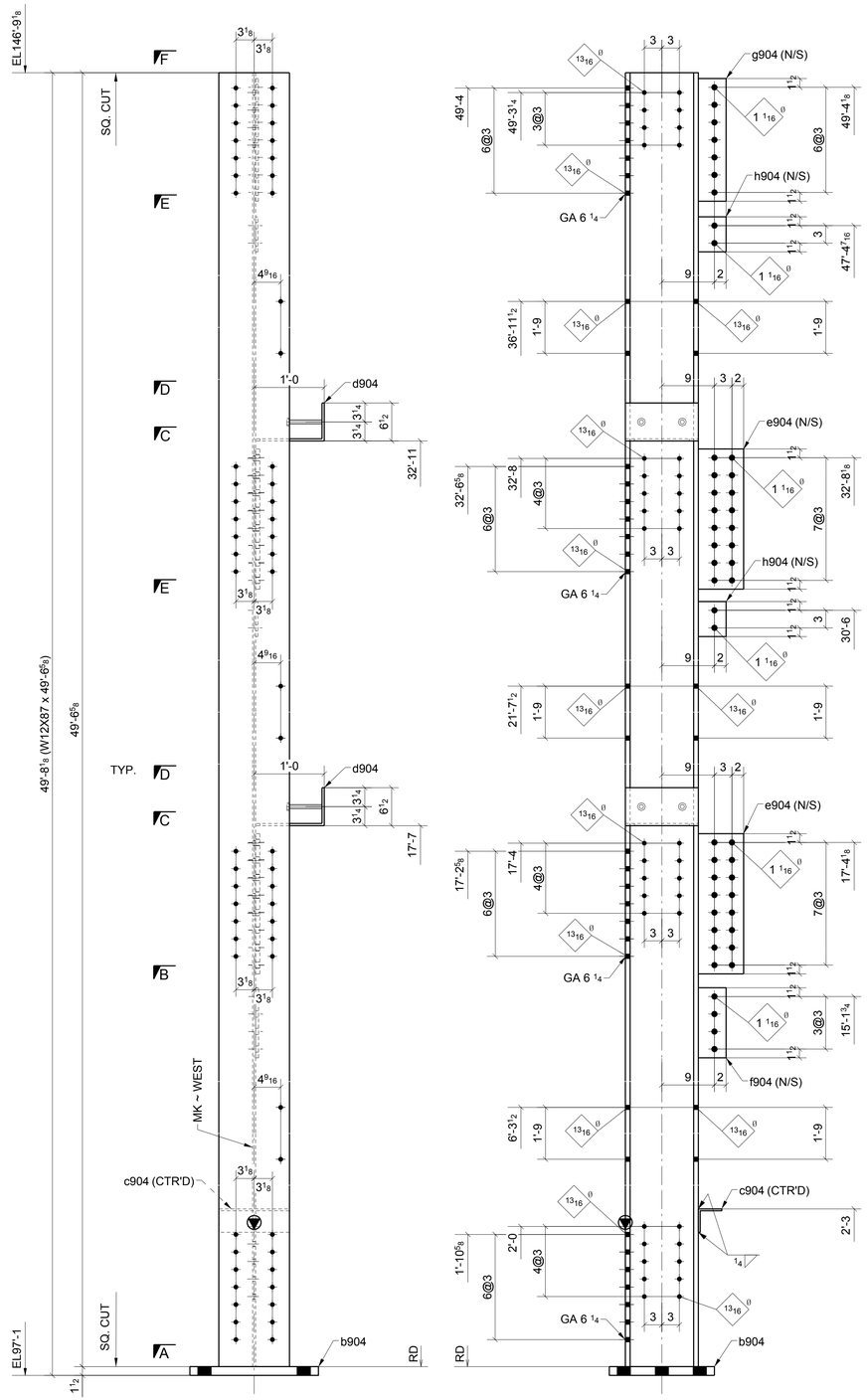
Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

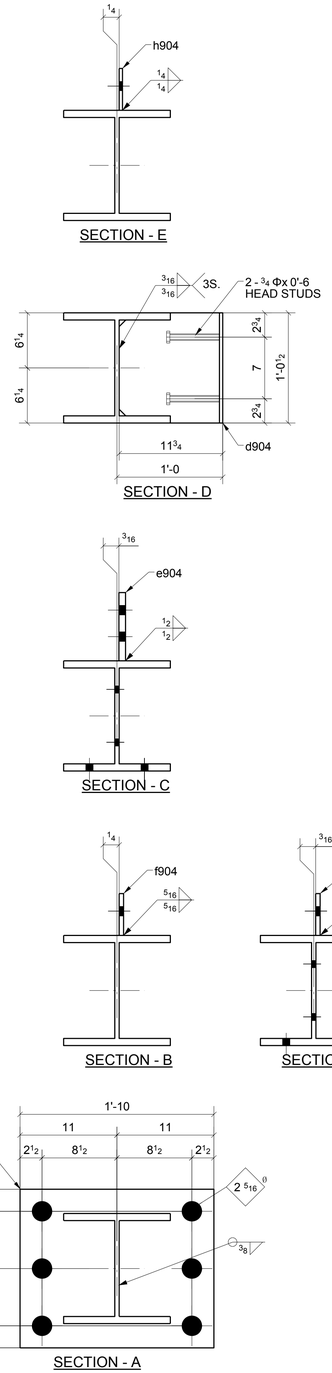
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES,MO 63119		
Dwn: TLI	Date: 07/14/2016	Ckd: LJ	Date: 07/15/2016
Job No. A16013	BAT:	DWG#: 903	



ONE - COLUMN ~ 904A

LOCATION: ONE @ 8/E (REF: E9A,E9B)



MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	904A	W12X87	49'-6 5/8"	A992	
1	b904	PL1 1/2"X18"	1'-10"	A36	
1	c904	L4X4X5/16	1'-0 1/16"	A36	
2	d904	BPL3/8"X12 1/2"	1'-6 1/4"	A36	
2	e904	PL3/4"X7 3/4"	2'-0"	A572-GR.50	
1	f904	PL1/2"X4 3/4"	1'-0"	A572-GR.50	
1	g904	PL1/2"X4 3/4"	1'-9"	A572-GR.50	
2	h904	PL3/8"X4 3/4"	0'-6"	A572-GR.50	
4		3/4" STUD	0'-6"		

Romac By: Checked By:

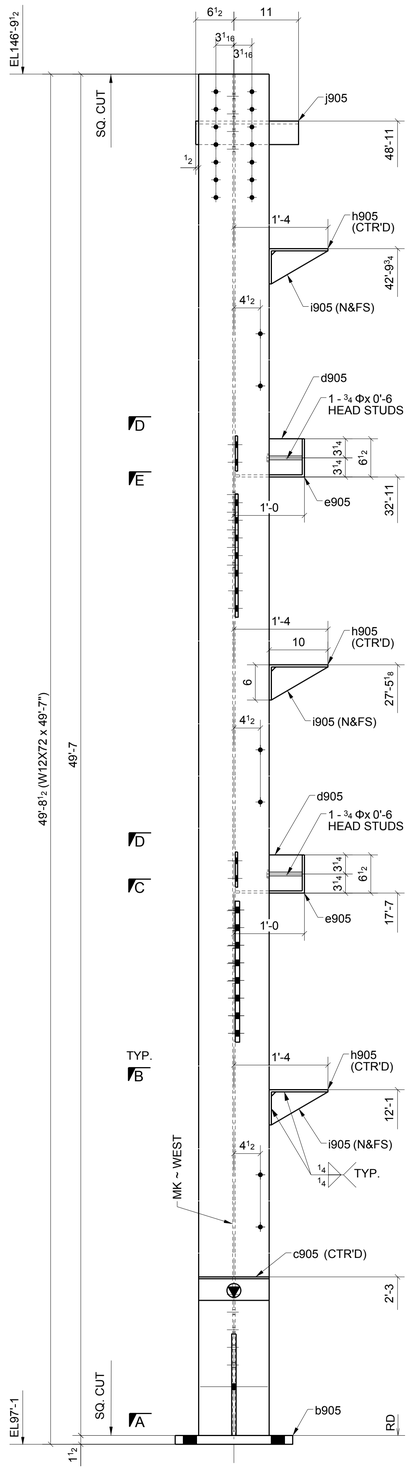
Beamline By: Checked By:

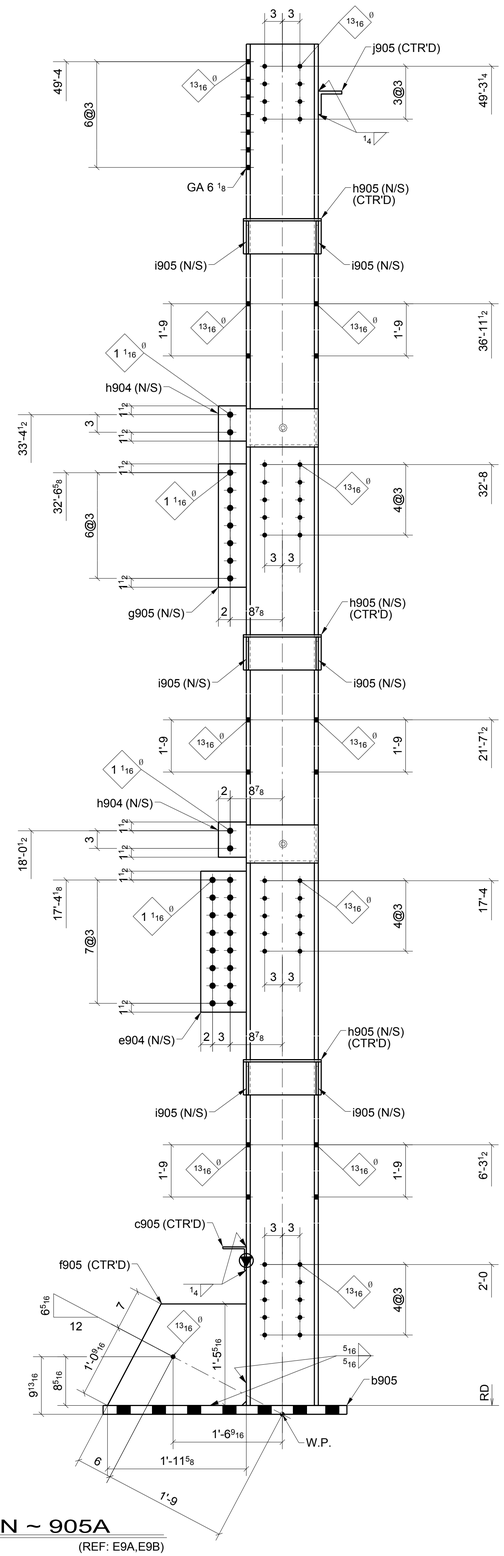
ATLAS IRON WORKS
ST. LOUIS, MO.

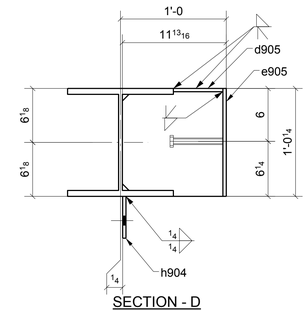
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES,MO 63119		
Dwn: TLI	Date: 07/14/2016	Ckd: LJ	Date: 07/15/2016
Job No. A16013	BAT:	DWG#: 904	

A FOR APPROVAL 07/15/16

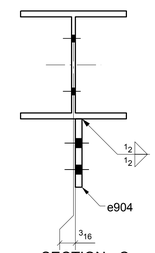
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



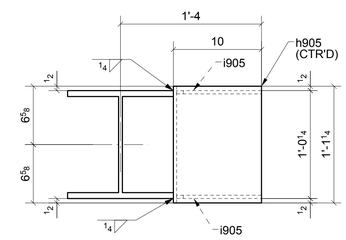




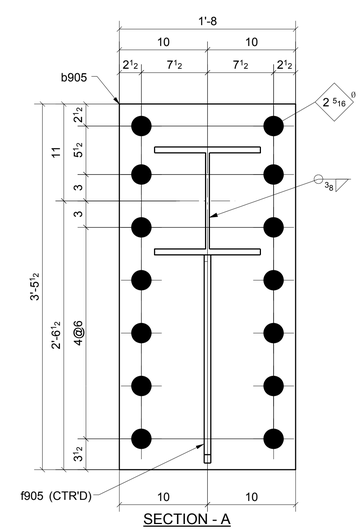
SECTION - D



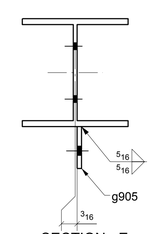
SECTION - C



SECTION - B



SECTION - A



SECTION - E

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	905A	W12X72	49'-7"	A992	
1	b905	PL1 1/2"X20"	3'-5 1/2"	A36	
1	c905	L4X4X5/16	1'-0"	A36	
2	d905	PL3/8"X5 5/8"	0'-6 1/8"	A36	
1	e904	PL3/4"X7 3/4"	2'-0"	A572-GR.50	
2	e905	BPL3/8"X12 1/4"	1'-6 5/16"	A36	
1	f905	PL3/4"X17 5/16"	1'-11 5/8"	A36	
1	g905	PL1/2"X4 3/4"	1'-9"	A572-GR.50	
2	h904	PL3/8"X4 3/4"	0'-6"	A572-GR.50	
3	h905	BPL3/8"X13 1/4"	1'-4"	A36	
6	i905	PL3/8"X5 5/8"	0'-9 5/8"	A36	
1	j905	L4X4X1/2	1'-5 1/2"	A36	
2		3/4" STUD	0'-6"		

FOR APPROVAL

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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

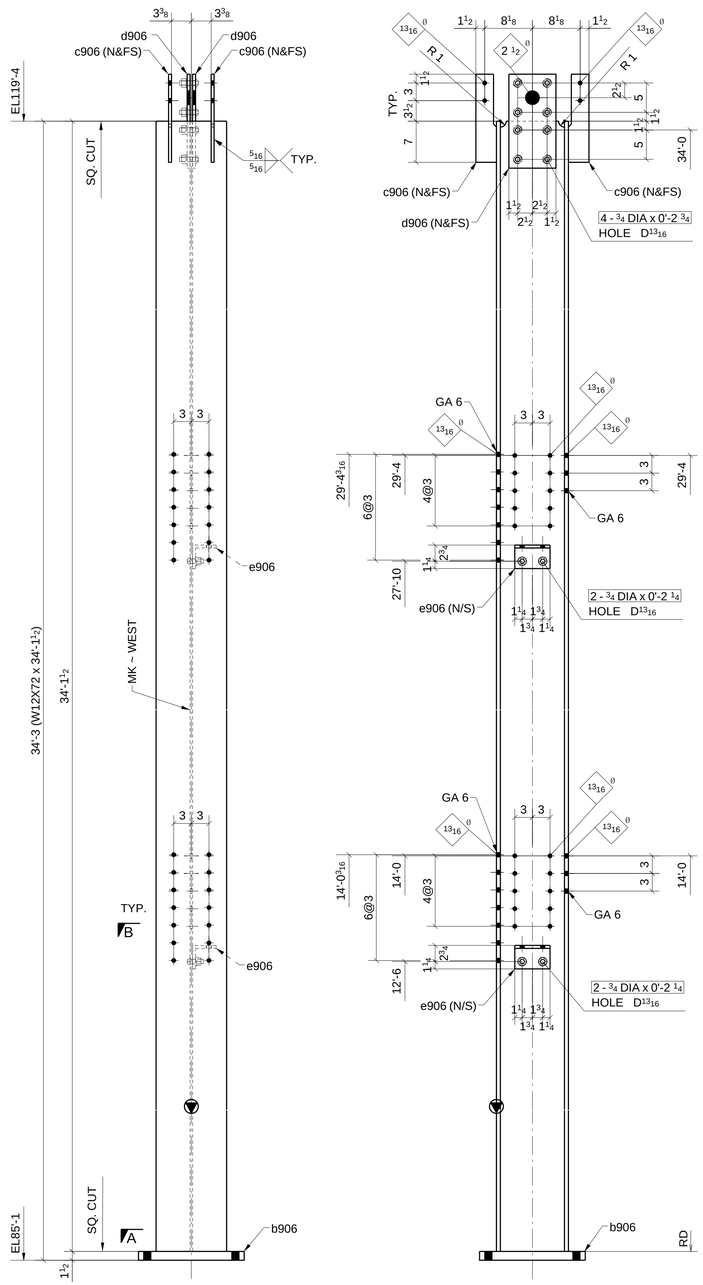
Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016

Job No. A16013 BAT: DWG#: 905

ONE - COLUMN ~ 905A

LOCATION: ONE @ 8/F

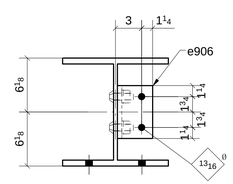
(REF: E9A,E9B)



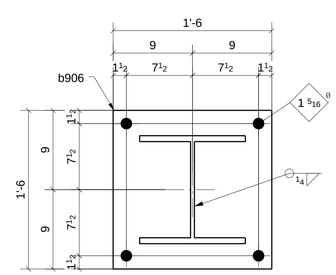
ONE - COLUMN ~ 906A

LOCATION: ONE @ 7/F

(REF: E9A,E9B)



SECTION - B



SECTION - A

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	906A	W12X72	34'-1 1/2"	A992	
1	b906	PL1 1/2"X18"	1'-6"	A36	
4	c906	PL1/2"X3 1/2"	1'-3"	A36	
2	d906	PL1/2"X8"	1'-4"	A36	
2	e906	L4X4X1/2	0'-6"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 3/4"	A325N TC	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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

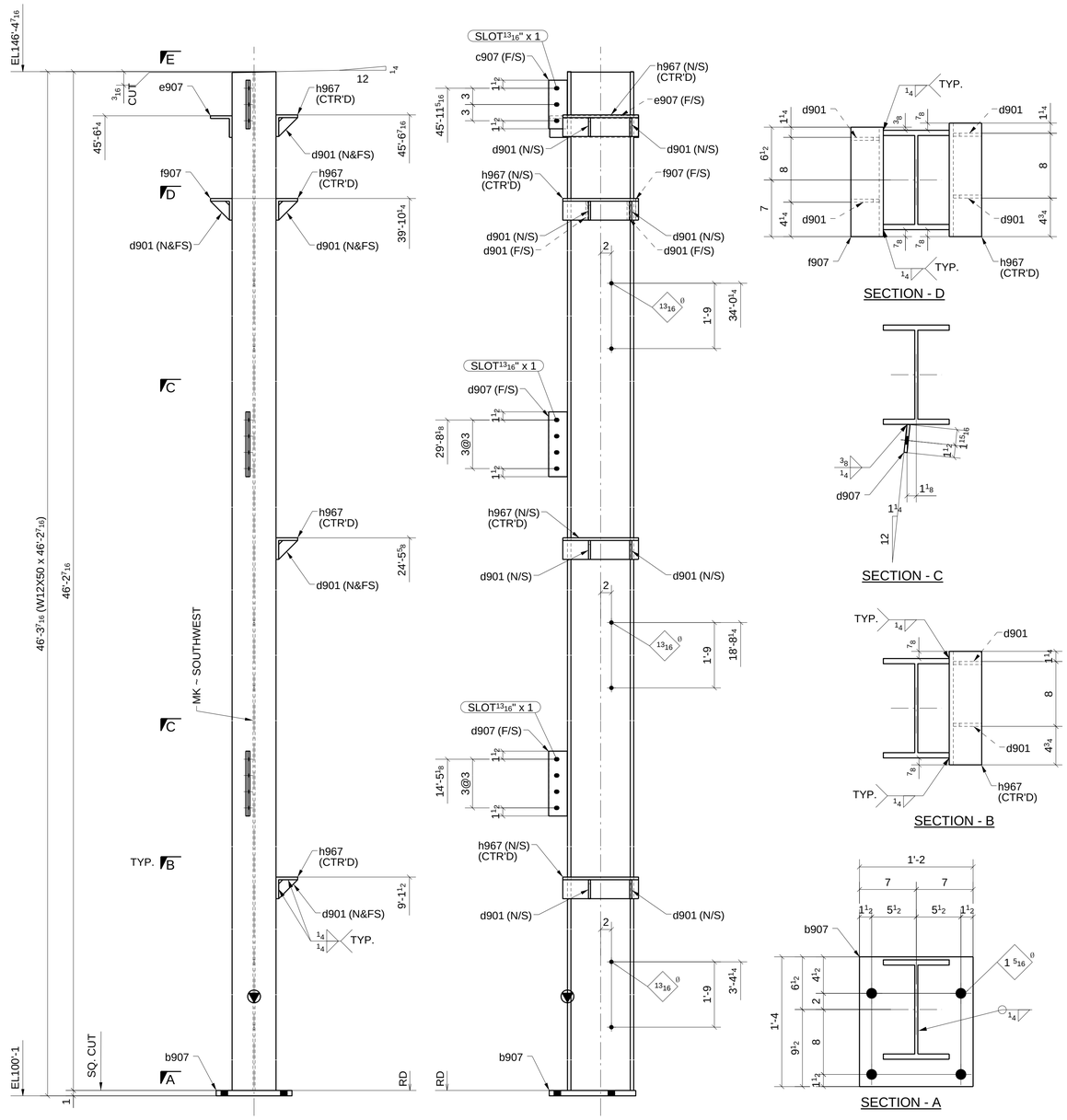
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016

Job No. A16013 BAT: DWG#: 906



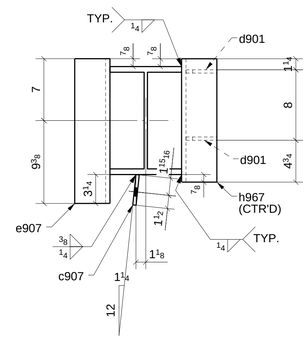
ONE - COLUMN ~ 907A

LOCATION: (REF: E9A,E9B)
ONE @ 7.2/F.3

SECTION - D

SECTION - C

SECTION - B



SECTION - E

SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	907A	W12X50	46'-2 7/16"	A992	
1	b907	PL1"X14"	1'-4"	A36	
1	c907	PL3/8"X3 7/16"	0'-9"	A36	
10	d901	PL3/8"X3 1/2"	0'-3 1/2"	A36	
2	d907	PL3/8"X3 7/16"	1'-0"	A36	
1	e907	L4X4X1/2	1'-4 7/16"	A36	
1	f907	L4X4X1/2	1'-1 1/2"	A36	
4	h967	L4X4X1/2	1'-2"	A36	

Romac By: Checked By:

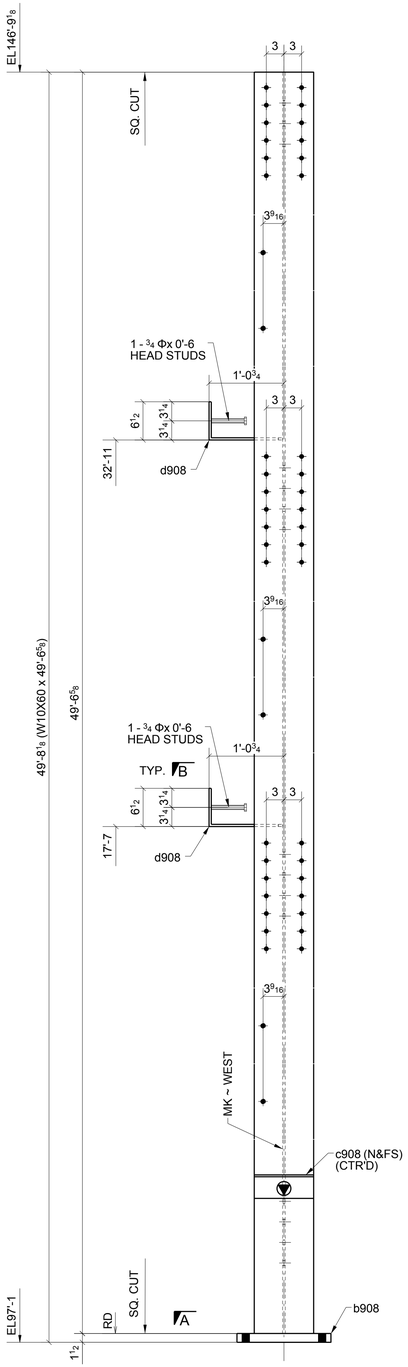
Beamline By: Checked By:

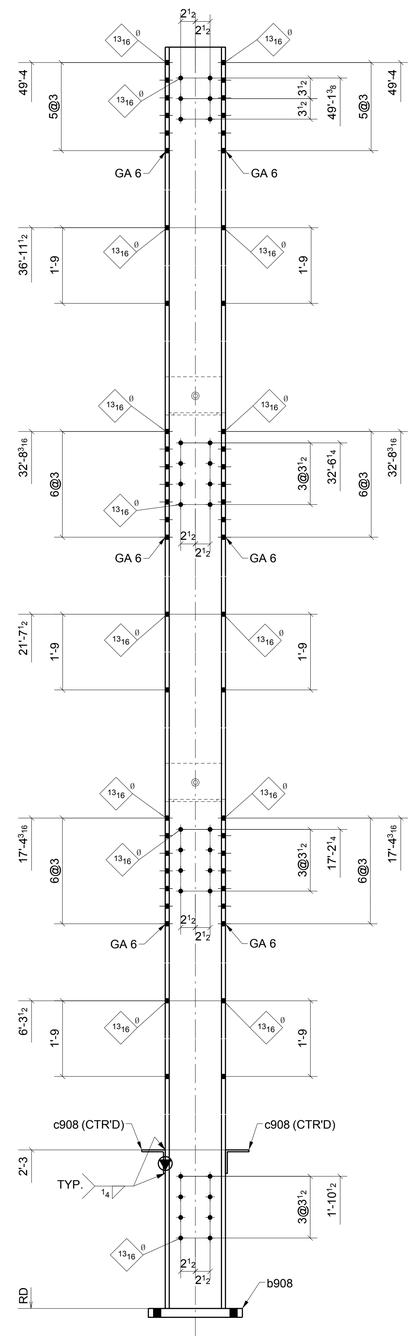
ATLAS IRON WORKS
ST. LOUIS, MO.

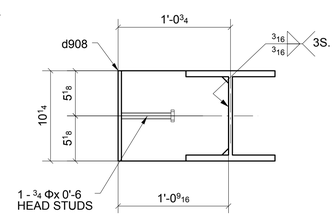
A FOR APPROVAL 07/15/16

Sequence: 9 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:

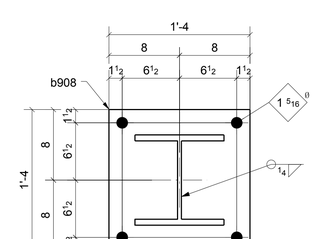
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 907







SECTION - B



SECTION - A

ONE - COLUMN ~ 908A

LOCATION: ONE @ 5/E

(REF: E9A,E9B)

MATERIAL LIST

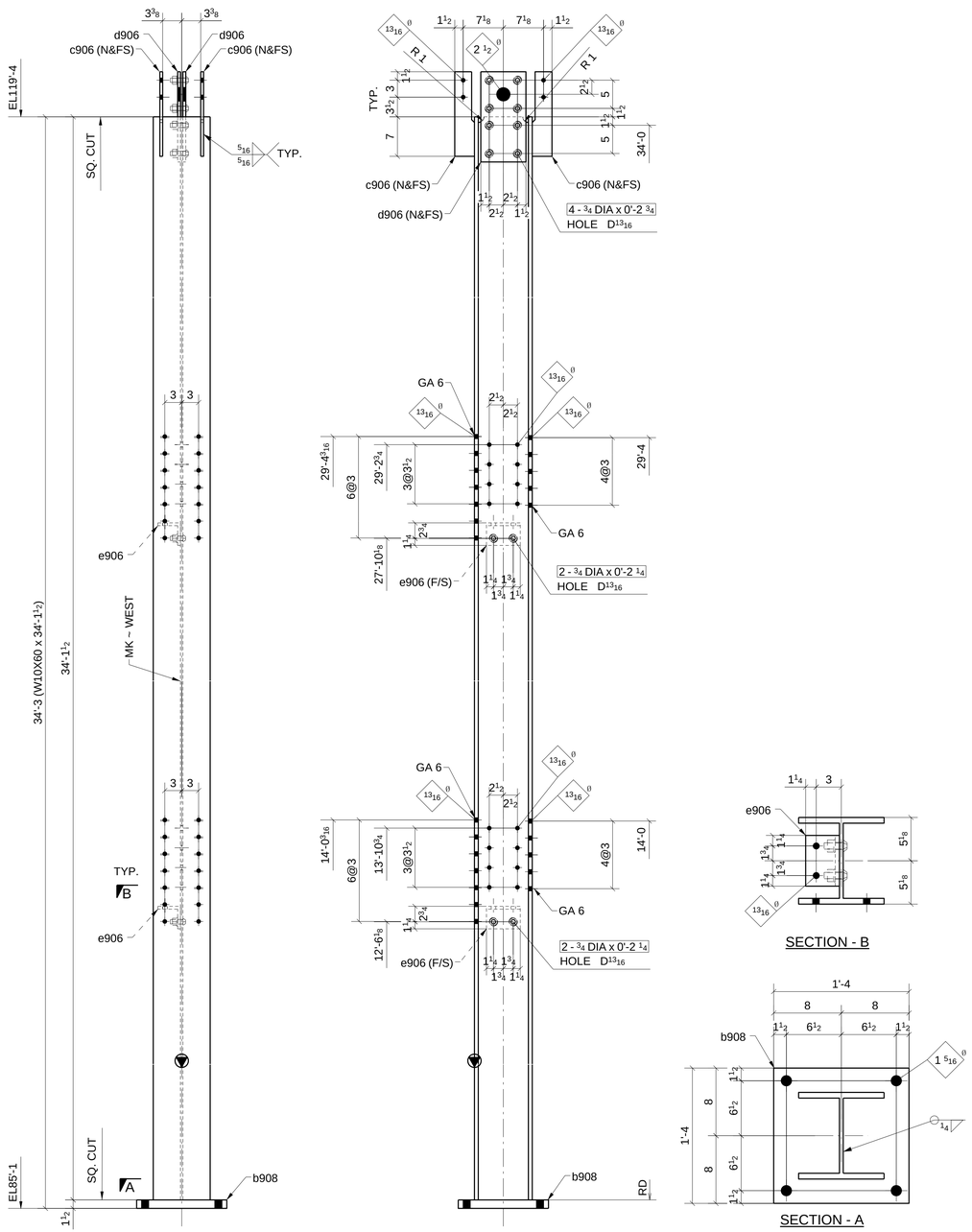
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	908A	W10X60	49'-6 5/8"	A992	
1	b908	PL1 1/2"X16"	1'-4"	A36	
2	c908	L4X4X5/16	0'-10 1/8"	A36	
2	d908	BPL3/8"X10 1/4"	1'-7 1/16"	A36	
2		3/4" STUD	0'-6"		

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

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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: 07/14/2016	Ckd: LJ	Date: 07/15/2016
Job No.	A16013	BAT:	DWG#: 908



ONE - COLUMN ~ 909A

LOCATION: (REF: E9A,E9B)
ONE @ 6/F

SECTION - B

SECTION - A

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	909A	W10X60	34'-1 1/2"	A992	
1	b908	PL1 1/2"X16"	1'-4"	A36	
4	c906	PL1/2"X3 1/2"	1'-3"	A36	
2	d906	PL1/2"X8"	1'-4"	A36	
2	e906	L4X4X1/2	0'-6"	A36	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 3/4"	A325N TC	

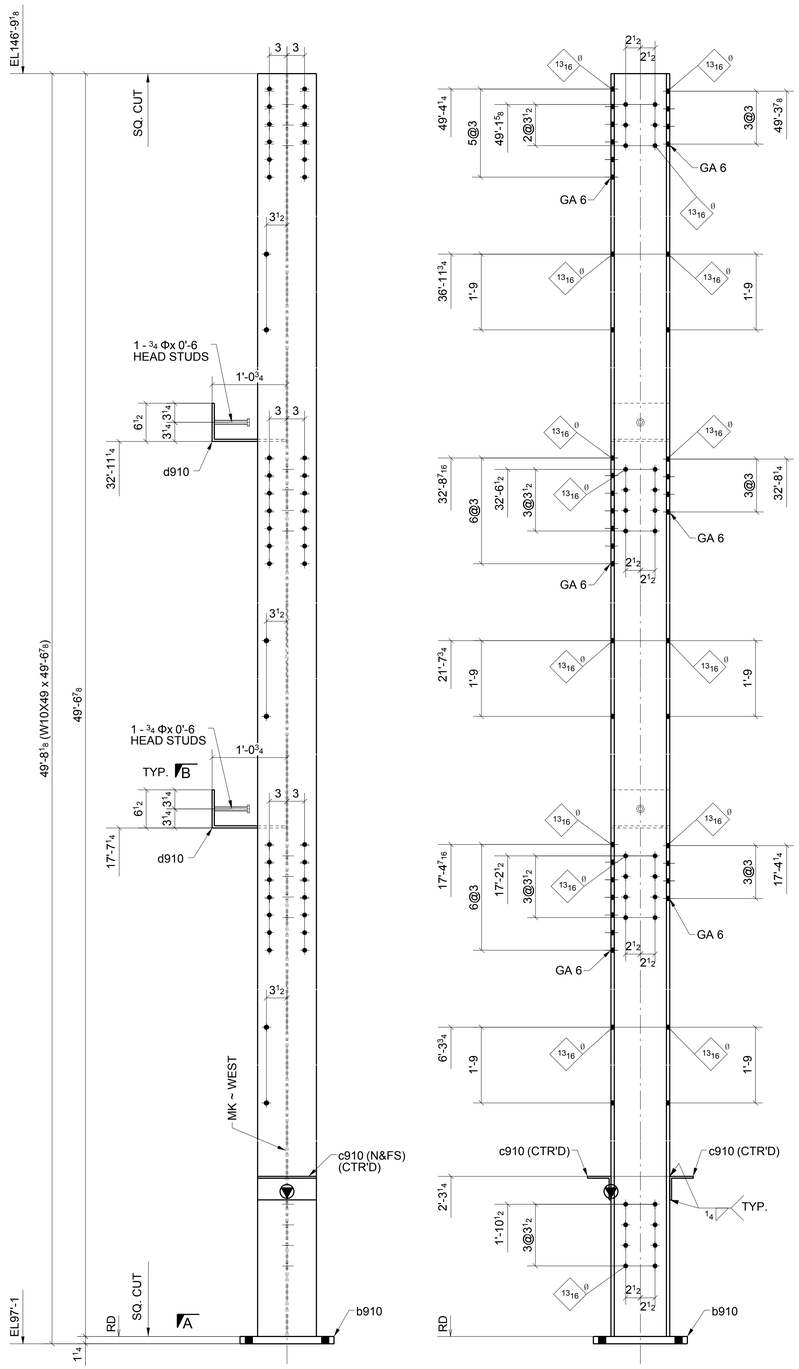
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Romac By: Checked By:

Beamline By: Checked By:

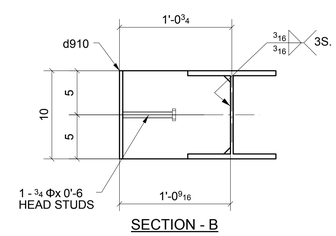
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn: TLI	Date: 07/14/2016	Ckd: LJ	Date: 07/15/2016		
Job No. A16013	BAT:	DWG#: 909			

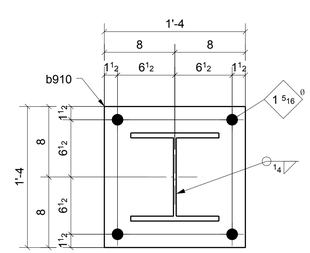


ONE - COLUMN ~ 910A

LOCATION: ONE @ 5/F (REF: E9A,E9B)



SECTION - B



SECTION - A

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	910A	W10X49	49'-6 7/8"	A992	
1	b910	PL1 1/4"X16"	1'-4"	A36	
2	c910	L4X4X5/16	0'-10"	A36	
2	d910	BPL3/8"X10"	1'-7 1/8"	A36	
2		3/4" STUD	0'-6"		

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

Sequence: 9 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

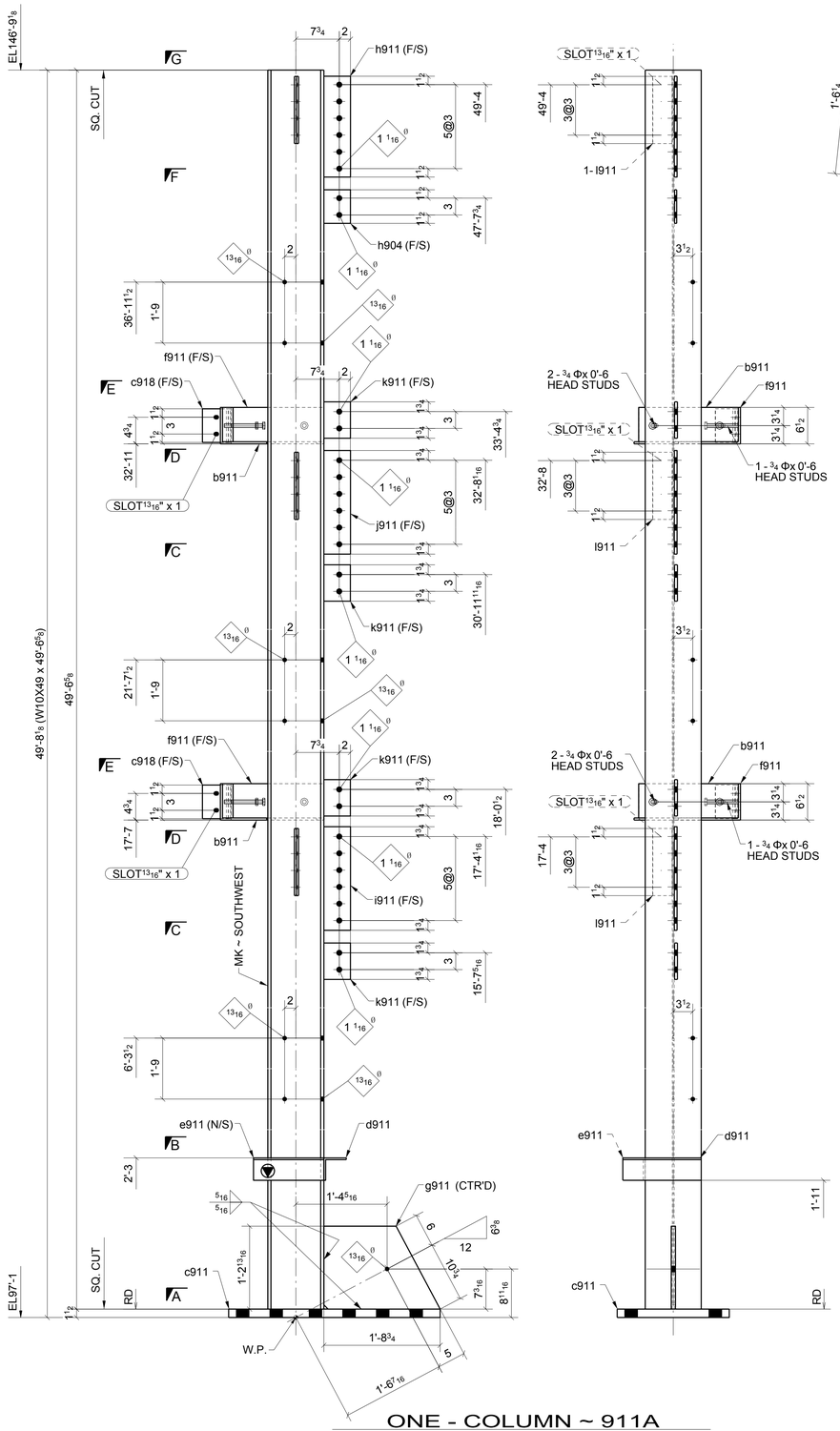
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016

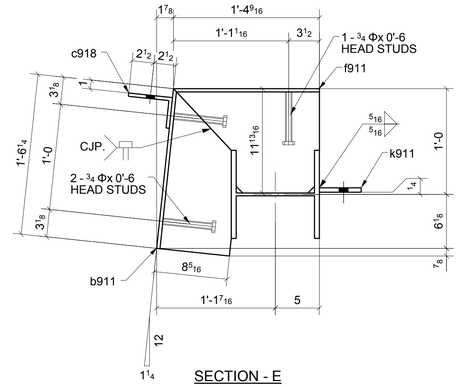
Job No. A16013 BAT: DWG#: 910



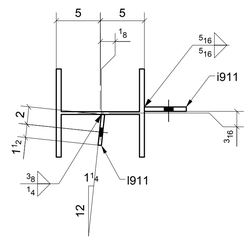
ONE - COLUMN ~ 911A

LOCATION: ONE @ 5/F.1>

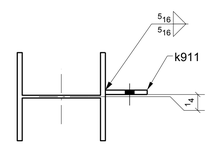
(REF: E9A,E9B)



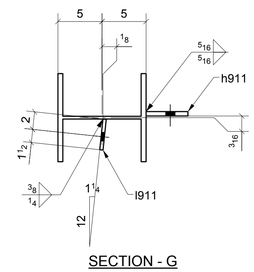
SECTION - E



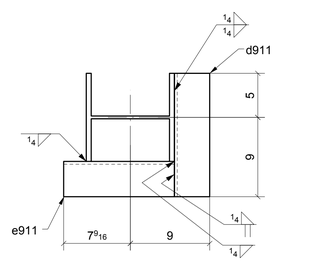
SECTION - D



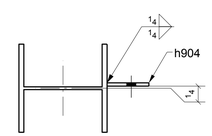
SECTION - C



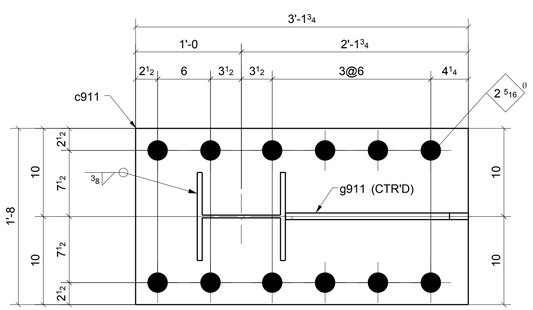
SECTION - G



SECTION - B



SECTION - F



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	911A	W10X49	49'-6 5/8"	A992	
2	b911	BPL3/8"X14 13/16"	1'-6 1/4"	A36	
1	c911	PL1 1/2"X20"	3'-1 3/4"	A36	
2	c918	L5X3-1/2X3/8	0'-6"	A36	
1	d911	L4X4X5/16	1'-2"	A36	
1	e911	L4X4X5/16	1'-0 9/16"	A36	
2	f911	BPL3/8"X16 9/16"	1'-6 5/16"	A36	
1	g911	PL3/4"X14 13/16"	1'-8 3/4"	A36	
1	h904	PL3/8"X4 3/4"	0'-6"	A572-GR.50	
1	h911	PL1/2"X4 3/4"	1'-6"	A572-GR.50	
1	i911	PL1/2"X4 3/4"	1'-6 1/2"	A572-GR.50	
1	j911	PL1/2"X4 3/4"	1'-6 1/2"	A572-GR.50	
4	k911	PL1/2"X4 3/4"	0'-6 1/2"	A572-GR.50	
3	l911	PL3/8"X3 1/2"	1'-0"	A36	
2		3/4" STUD	0'-6"		
4		3/4" STUD	0'-6"		

Romac By: _____ Checked By: _____

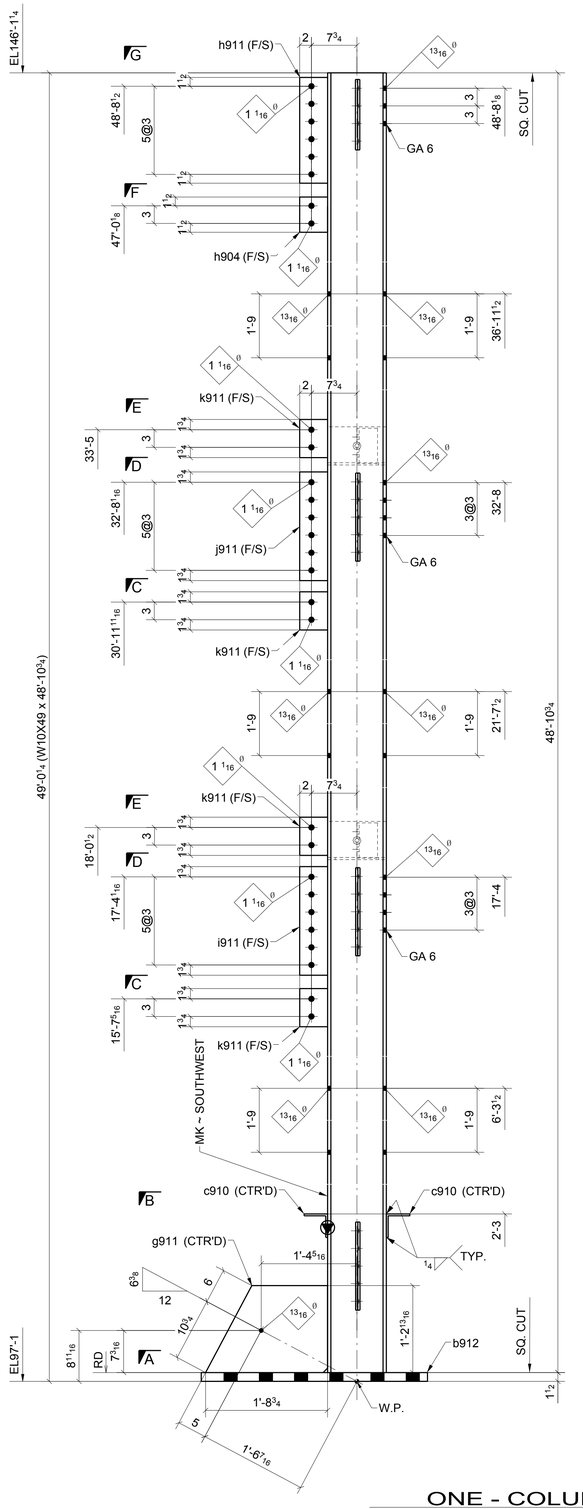
Beamline By: _____ Checked By: _____

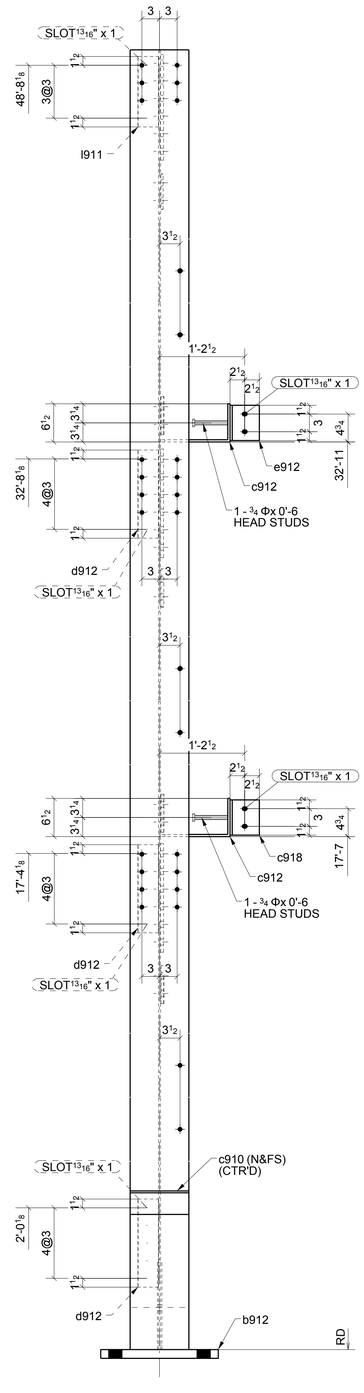
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

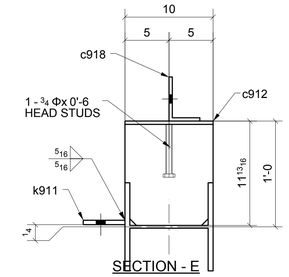
ATLAS IRON WORKS

ST. LOUIS, MO.

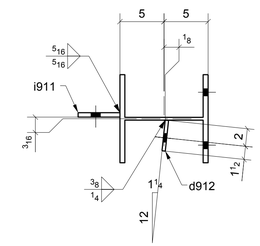
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: TLI	Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No.	A16013 BAT: DWG#: 911



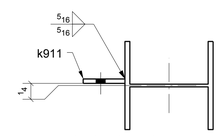




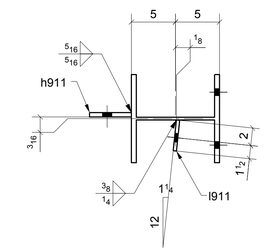
SECTION - E



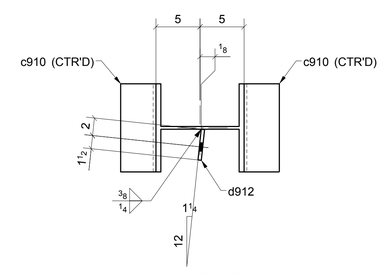
SECTION - D



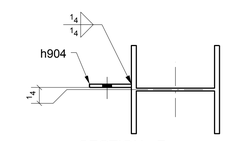
SECTION - C



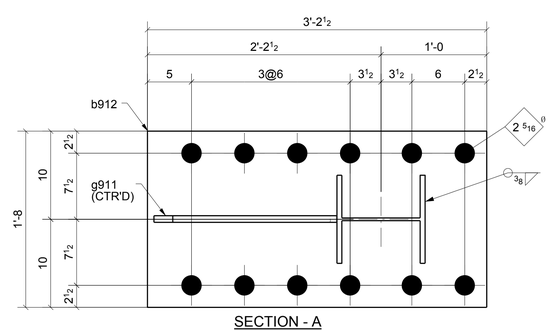
SECTION - G



SECTION - B



SECTION - F



SECTION - A

ONE - COLUMN ~ 912A

LOCATION: (REF: E9A,E9B)
ONE @ 6/F.1>

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	912A	W10X49	48'-10 3/4"	A992	
1	b912	PL1 1/2"X20"	3'-2 1/2"	A36	
2	c910	L4X4X5/16	0'-10"	A36	
2	c912	BPL3/8"X10"	1'-6 5/16"	A36	
1	c918	L5X3-1/2X3/8	0'-6"	A36	
3	d912	PL3/8"X3 1/2"	1'-3"	A36	
1	e912	L5X3-1/2X3/8	0'-6"	A36	
1	g911	PL3/4"X14 13/16"	1'-8 3/4"	A36	
1	h904	PL3/8"X4 3/4"	0'-6"	A572-GR.50	
1	h911	PL1/2"X4 3/4"	1'-6"	A572-GR.50	
1	i911	PL1/2"X4 3/4"	1'-6 1/2"	A572-GR.50	
1	j911	PL1/2"X4 3/4"	1'-6 1/2"	A572-GR.50	
4	k911	PL1/2"X4 3/4"	0'-6 1/2"	A572-GR.50	
1	l911	PL3/8"X3 1/2"	1'-0"	A36	
2		3/4" STUD	0'-6"		

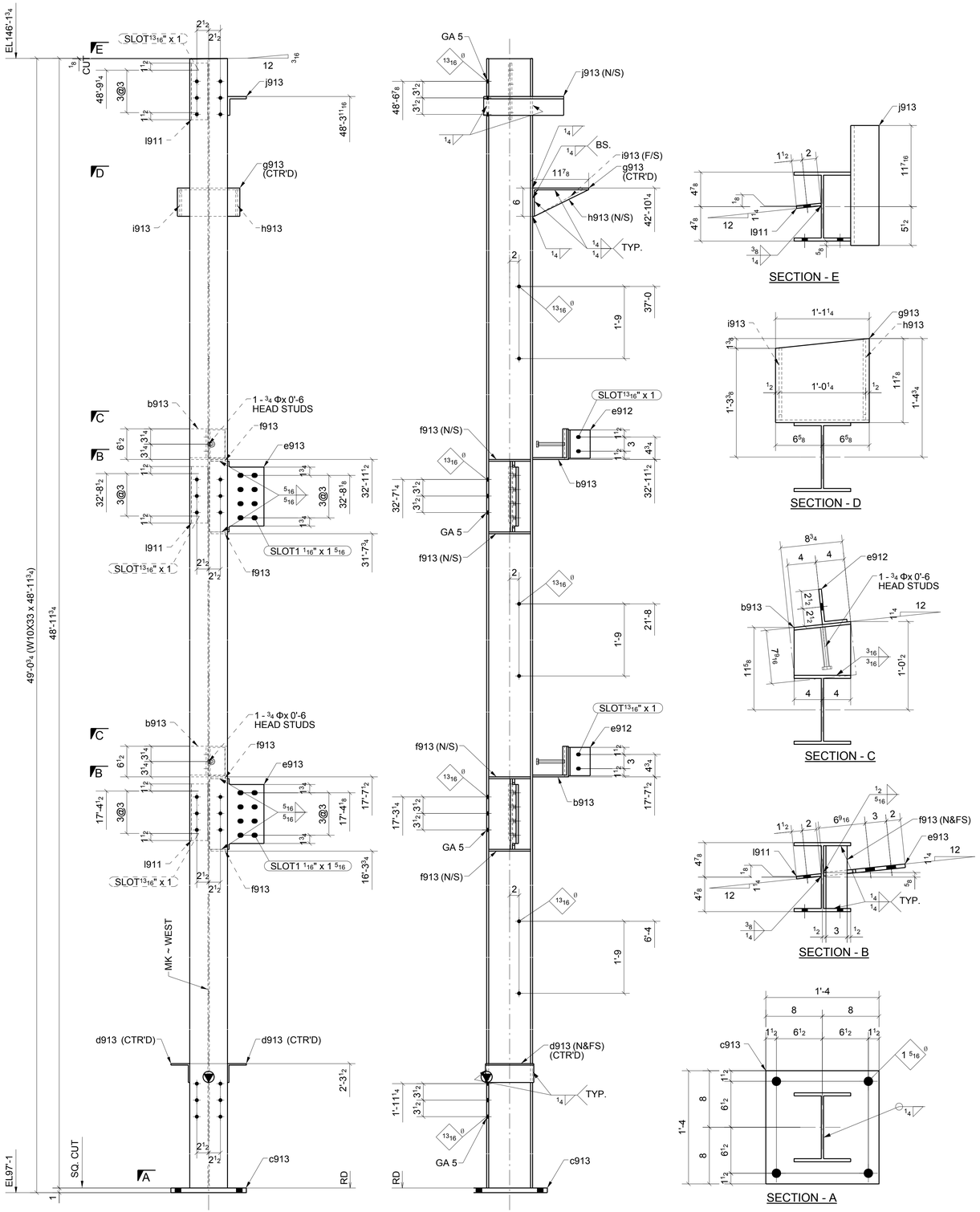
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 912



ONE - COLUMN ~ 913A

LOCATION: ONE @ 7/F.1> (REF: E9A,E9B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	913A	W10X33	48'-11 3/4"	A992	
2	b913	BPL3/8"X8 3/4"	1'-2 1/16"	A36	
1	c913	PL1"X16"	1'-4"	A36	
2	d913	L4X4X5/16	0'-10 1/4"	A36	
2	e912	L5X3-1/2X3/8	0'-6"	A36	
2	e913	PL1/2"X11 9/16"	1'-3"	A36	
4	f913	PL3/8"X3"	0'-8 7/8"	A36	
1	g913	BPL3/8"X13 1/4"	1'-5 7/8"	A36	
1	h913	PL3/8"X5 5/8"	0'-11 7/16"	A36	
1	i913	PL3/8"X5 5/8"	0'-10 3/16"	A36	
1	j913	L4X4X1/2	1'-4 15/16"	A36	
3	l911	PL3/8"X3 1/2"	1'-0"	A36	
2		3/4" STUD	0'-6"		

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

Sequence: 9 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

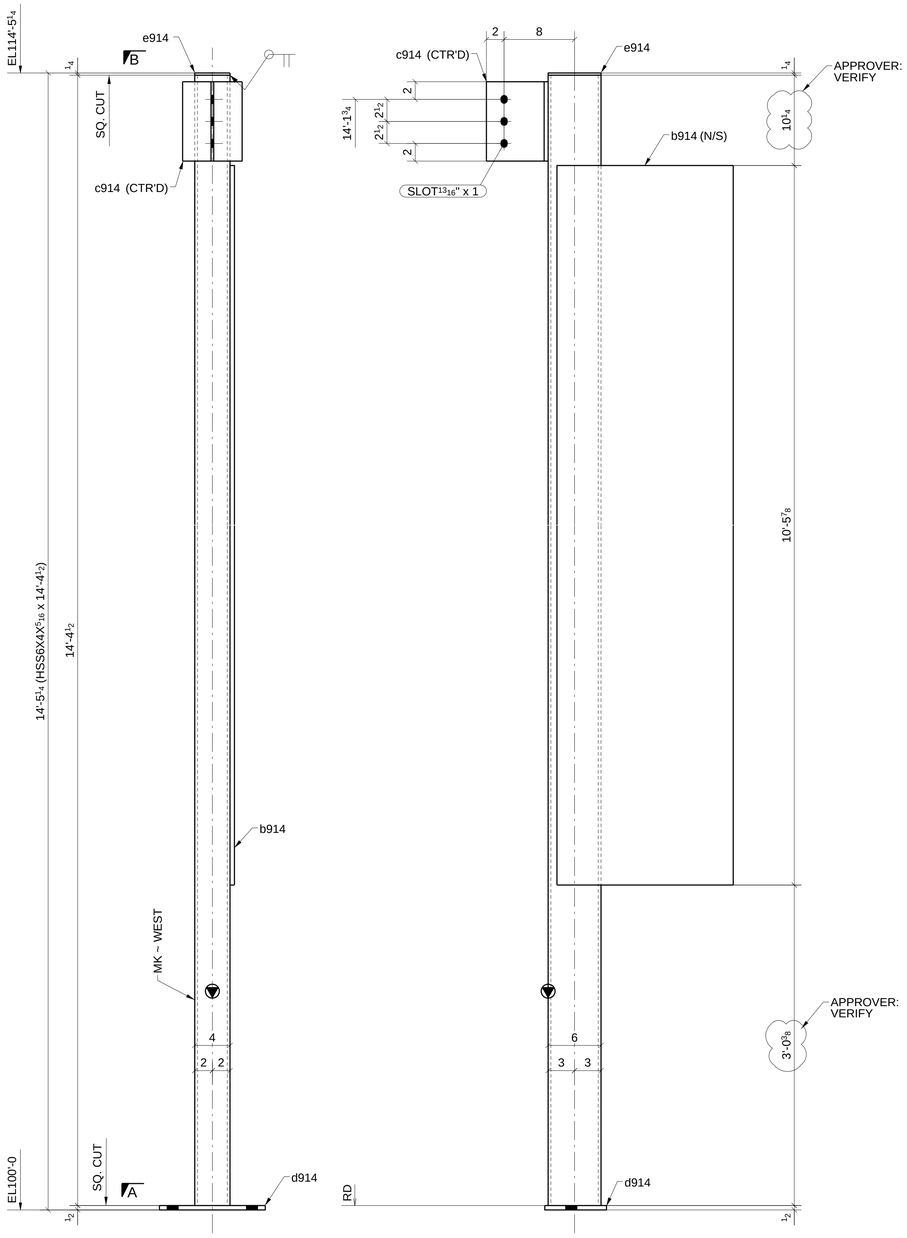
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/18/2016

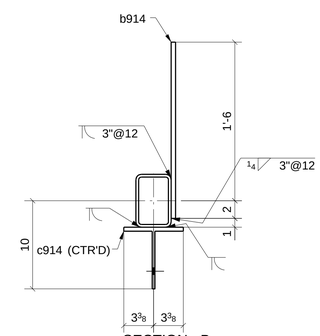
Job No. A16013 BAT: DWG#: 913



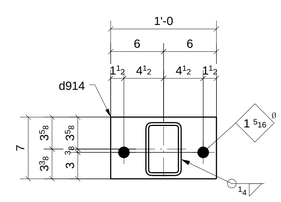
ONE - COLUMN ~ 914A

LOCATION: (REF: E9A)

ONE @ 6/F.1>



SECTION - B



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	914A	HSS6X4X5/16	14'-4 1/2"	A500-GR.B	46
1	b914	PL1/2"X20"	10'-5 7/8"	A36	
1	c914	WT7X17	0'-9"	A992	
1	d914	PL1/2"X7"	1'-0"	A36	
1	e914	PL1/4"X4"	0'-6"	A36	

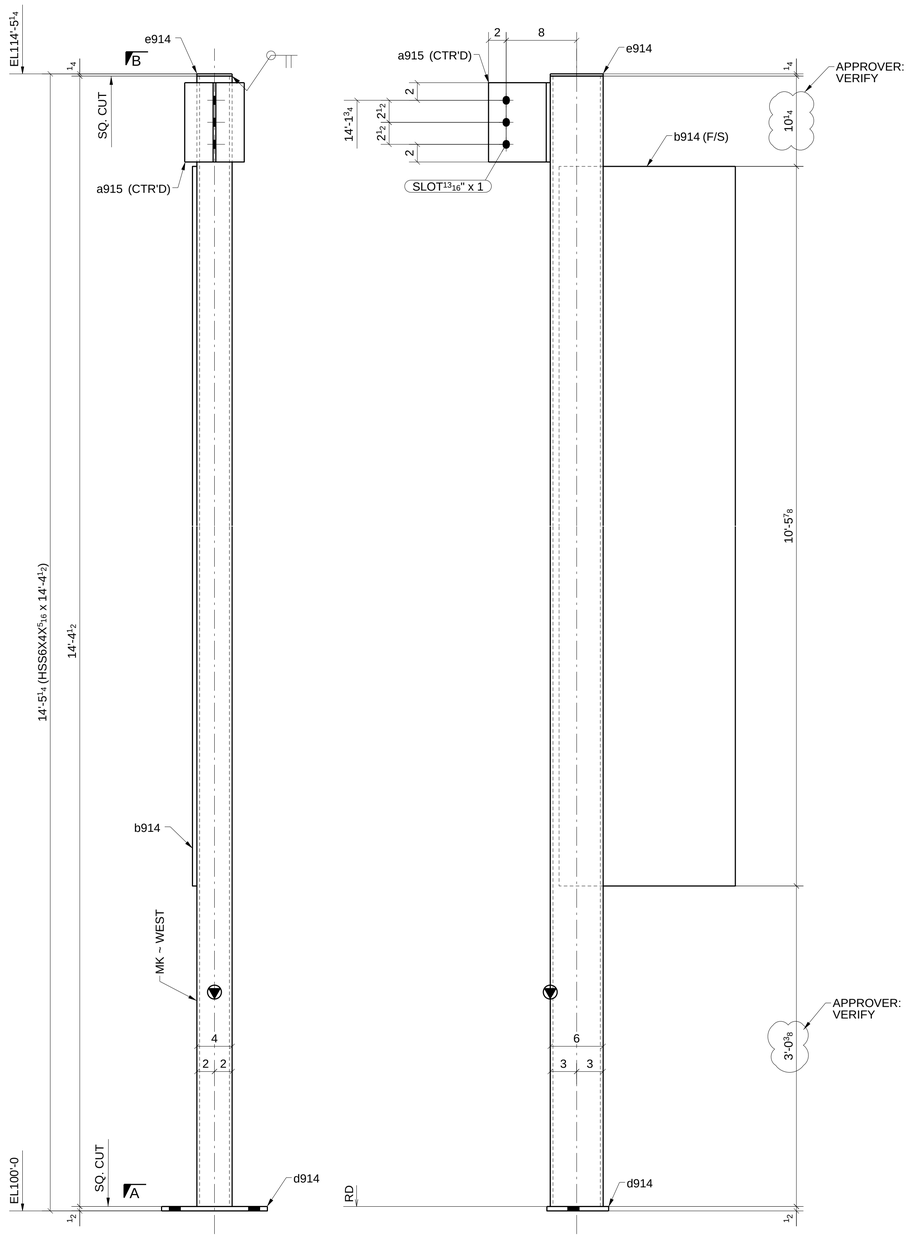
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Romac By: Checked By:

Beamline By: Checked By:

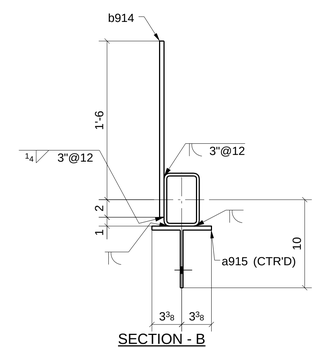
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES,MO 63119		
Dwn: TLI	Date: 07/14/2016	Ckd: LJ	Date: 07/15/2016
Job No. A16013	BAT:	DWG#: 914	

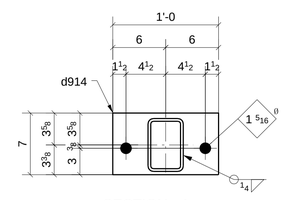


ONE - COLUMN ~ 915A

LOCATION: (REF: E9A)
ONE @ 7/F.1>



SECTION - B



SECTION - A

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	915A	HSS6X4X5/16	14'-4 1/2"	A500-GR.B-46	
1	a915	WT7X17	0'-9"	A992	
1	b914	PL1/2"X20"	10'-5 7/8"	A36	
1	d914	PL1/2"X7"	1'-0"	A36	
1	e914	PL1/4"X4"	0'-6"	A36	

Romac By: Checked By:

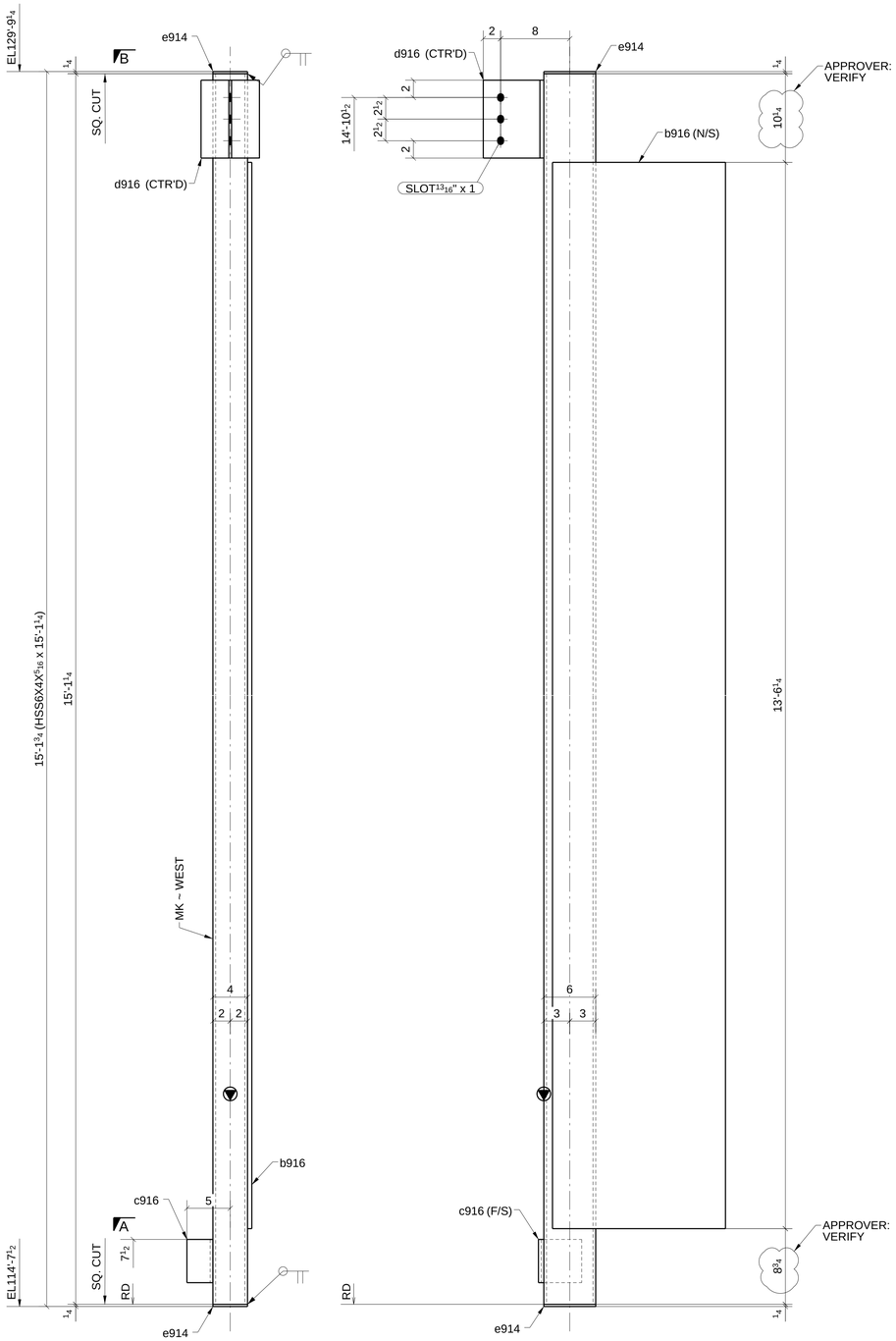
Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

Sequence: 9 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:

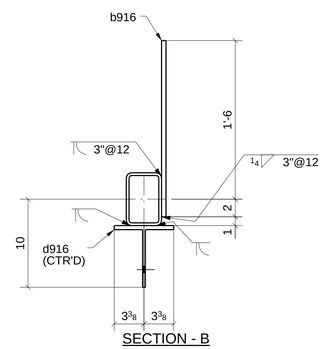
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 915

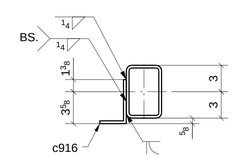


ONE - COLUMN ~ 916A

LOCATION: ONE @ 6/F.1> (REF: E9B)



SECTION - B



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	916A	HSS6X4X5/16	15'-1 1/4"	A500-GR.B-46	
1	b916	PL1/2"X20"	13'-6 1/4"	A36	
1	c916	L5X3X5/16	0'-5"	A36	
1	d916	WT7X17	0'-9"	A992	
2	e914	PL1/4"X4"	0'-6"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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

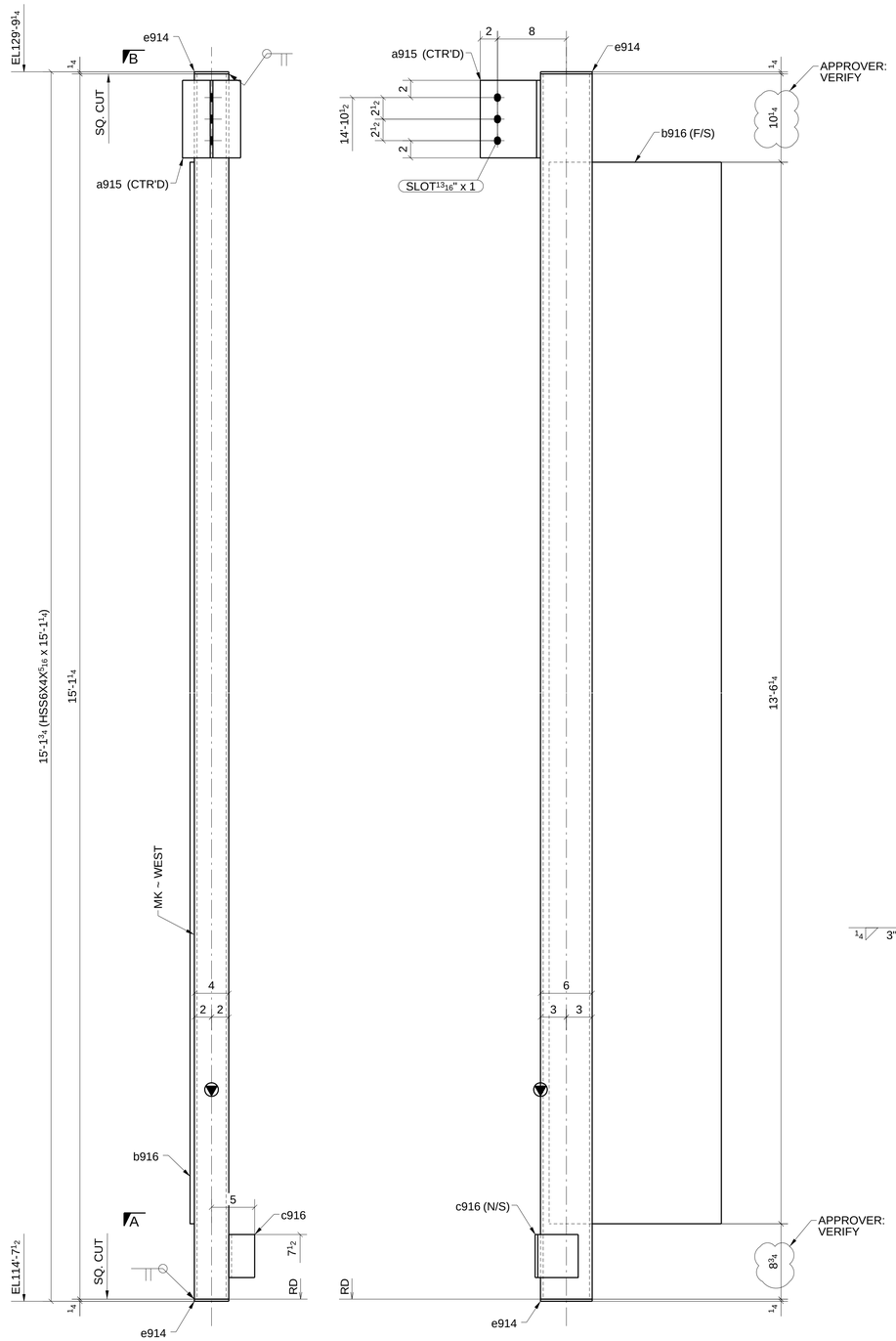
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

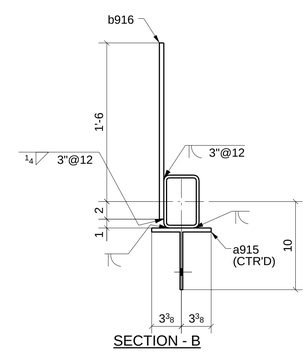
Dwn: TLI Date: 07/14/2016 Ckd: LJ Date: 07/15/2016

Job No. A16013 BAT: DWG#: 916

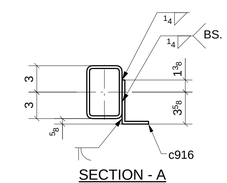


ONE - COLUMN ~ 917A

LOCATION: (REF: E9B)
ONE @ 7/F.1>



SECTION - B



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	917A	HSS6X4X5/16	15'-1 1/4"	A500-GR.B-46	
1	a915	WT7X17	0'-9"	A992	
1	b916	PL1/2"X20"	13'-6 1/4"	A36	
1	c916	L5X3X5/16	0'-5"	A36	
2	e914	PL1/4"X4"	0'-6"	A36	

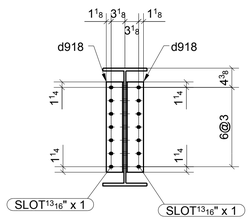
Romac By: Checked By:

Beamline By: Checked By:

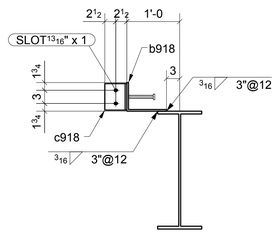
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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:	

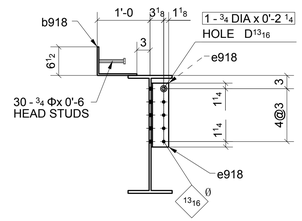
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES,MO 63119		
Dwn: TLI	Date: 07/14/2016	Ckd: LJ	Date: 07/15/2016
Job No. A16013	BAT:	DWG#: 917	



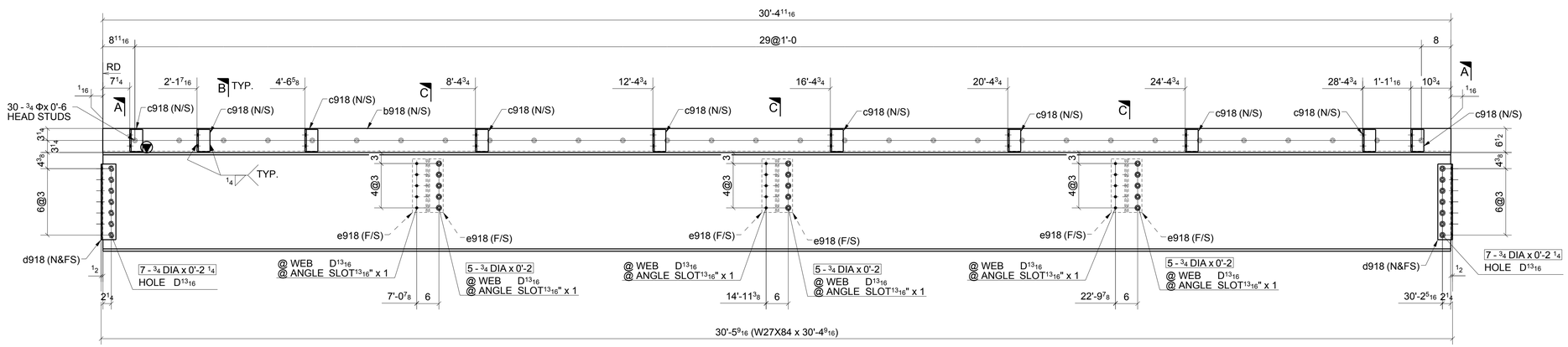
SECTION - A



SECTION - B



SECTION - C



ONE - BEAM ~ 918A

LOCATION: (REF: E9A)
ONE @ 8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	918A	W27X84	30'-4 9/16"	A992	
1	b918	BPL3/8"X15 1/2"	30'-4 11/16	A36	
10	c918	L5X3-1/2X3/8	0'-6"	A36	
4	d918	L4X4X5/16	1'-8 1/2"	A36	
6	e918	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"		

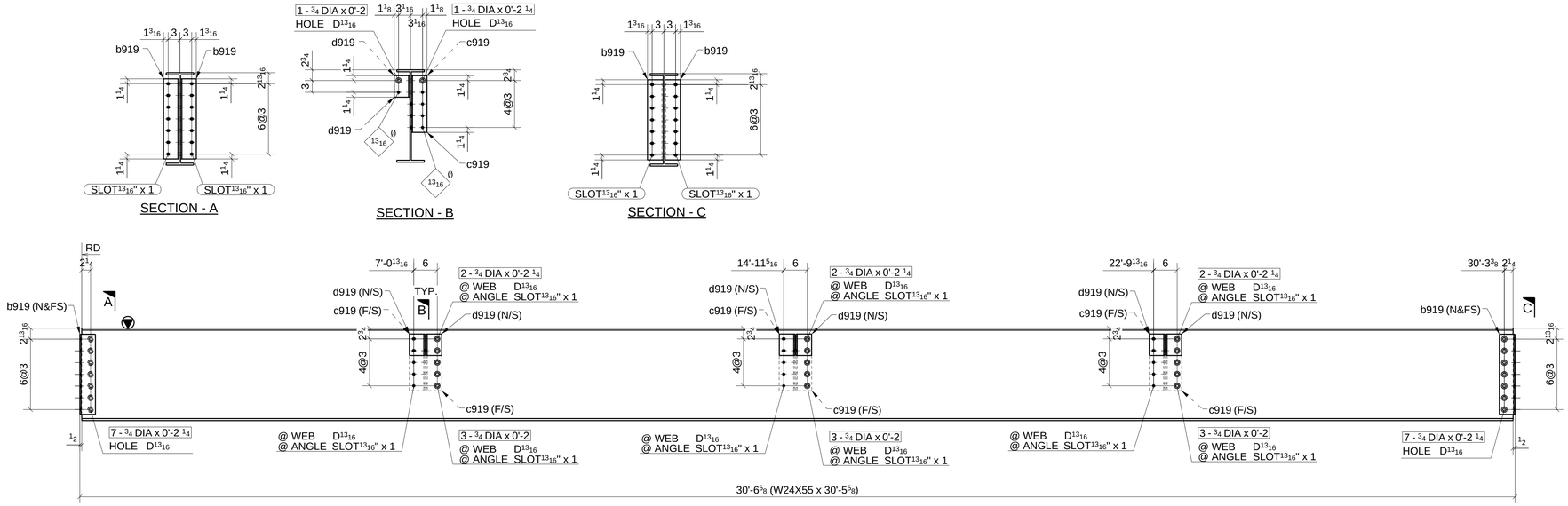
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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:

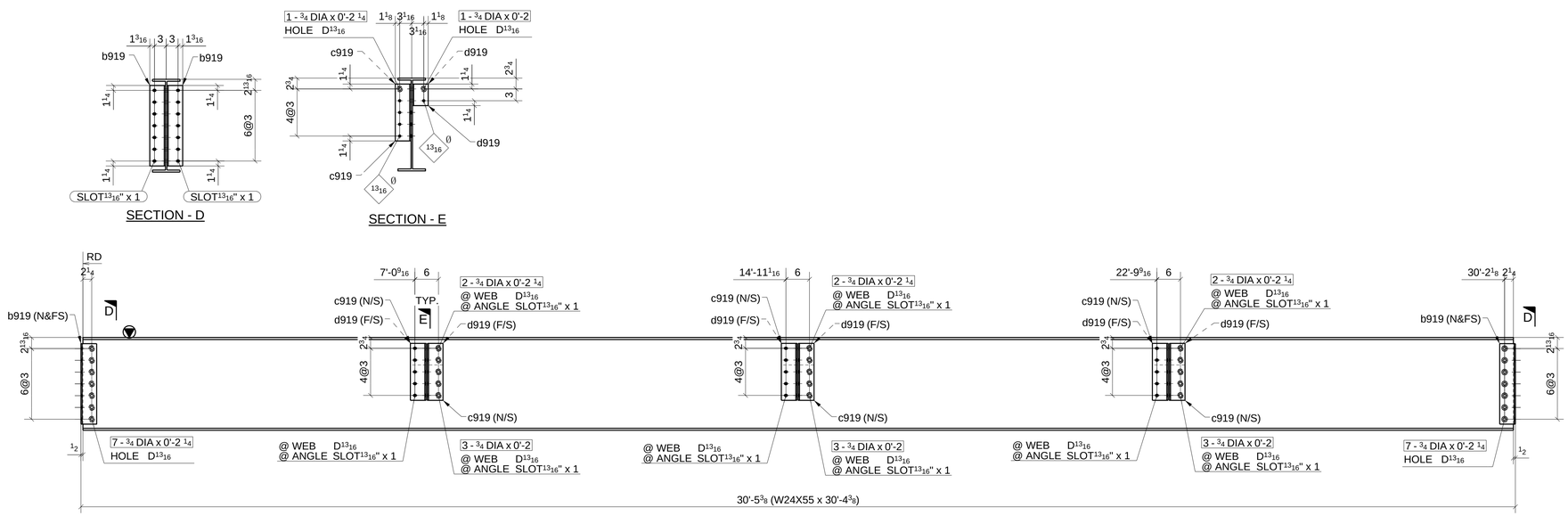
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 918



ONE - BEAM ~ 919A

LOCATION: (REF: E9A)
ONE @ 6/E-F



ONE - BEAM ~ 919B

LOCATION: (REF: E9A)
ONE @ 7/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	919A	W24X55	30'-5 5/8"	A992	
4	b919	L4X4X5/16	1'-8 1/2"	A36	
6	c919	L4X4X5/16	1'-2 1/2"	A36	
6	d919	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	919B	W24X55	30'-4 3/8"	A992	
4	b919	L4X4X5/16	1'-8 1/2"	A36	
6	c919	L4X4X5/16	1'-2 1/2"	A36	
6	d919	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	

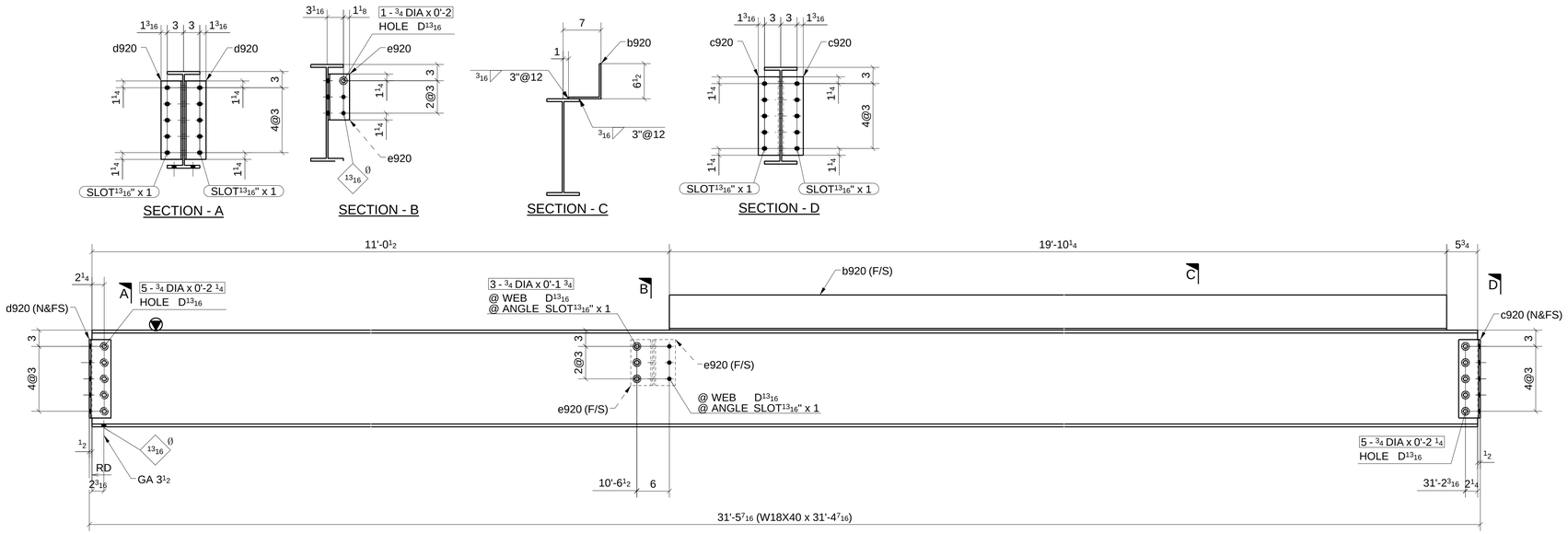
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL	07/15/16

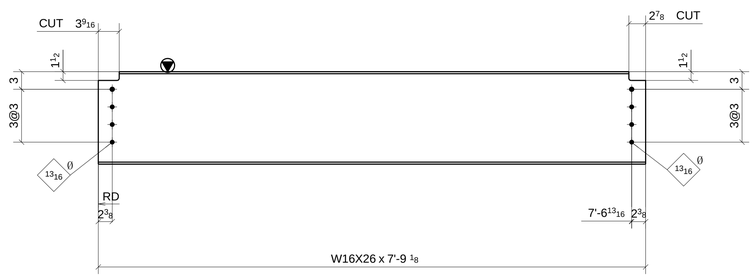
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: DWG#: 919



ONE - BEAM ~ 920A

LOCATION: (REF: E9A)
ONE @ 7-8/F



ONE - BEAM ~ 920B

LOCATION: (REF: E9A)
ONE @ 5-6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	920A	W18X40	31'-4 7/16"	A992	
1	b920	BPL5/16"*12"1/2	19'-10 1/4"	A36	
2	c920	L4X4X5/16	1'-2 1/2"	A36	
2	d920	L4X4X5/16	1'-2 1/2"	A36	
2	e920	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	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
1	920B	W16X26	7'-9 3/16"	A992	

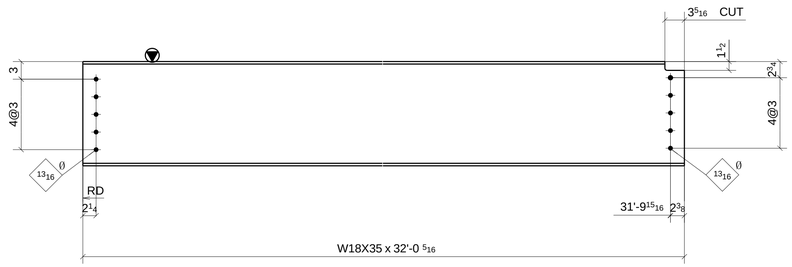
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL	07/15/16

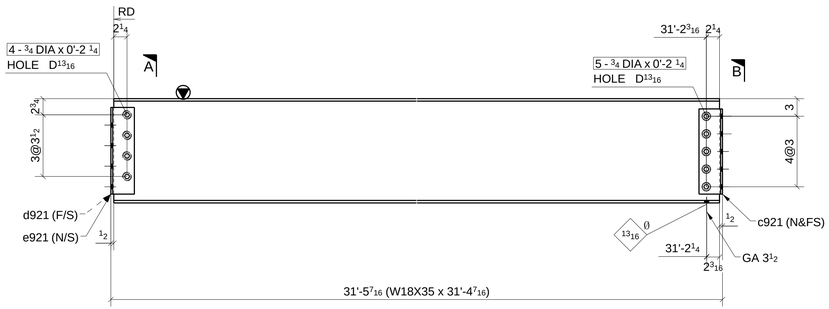
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

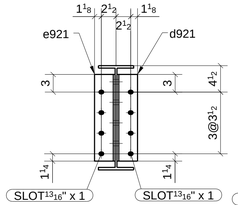
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: DWG#: 920



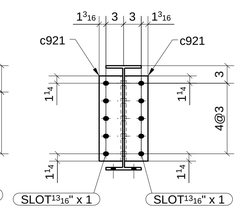
2 - BEAMS ~ 921A

LOCATION: (REF: E9A)
ONE @ 5-6/E-F
ONE @ 5-6/E-F





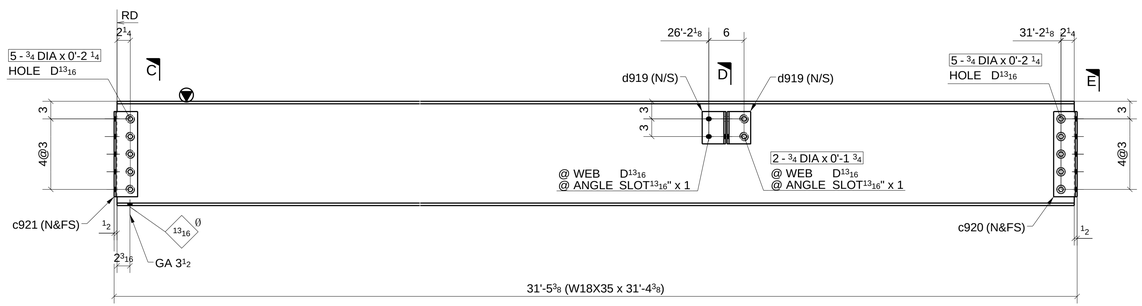
SECTION - A

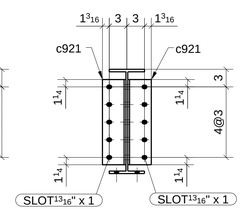


SECTION - B

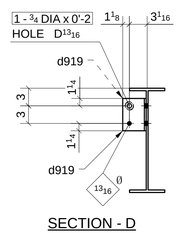
ONE - BEAM ~ 921B

LOCATION: (REF: E9A)
ONE @ 5-6/E

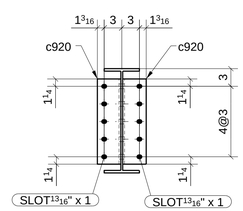




SECTION - C



SECTION - D



SECTION - E

ONE - BEAM ~ 921C

LOCATION: (REF: E9A)
ONE @ 7-8/E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	921A	W18X35	32'-0 5/16"	A992	
1	921B	W18X35	31'-4 7/16"	A992	
2	c921	L4X4X5/16	1'-2 1/2"	A36	
1	d921	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	e921	L4X3-1/2X5/16	1'-2 3/4"	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	
1	921C	W18X35	31'-4 3/8"	A992	
2	c920	L4X4X5/16	1'-2 1/2"	A36	
2	c921	L4X4X5/16	1'-2 1/2"	A36	
2	d919	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	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

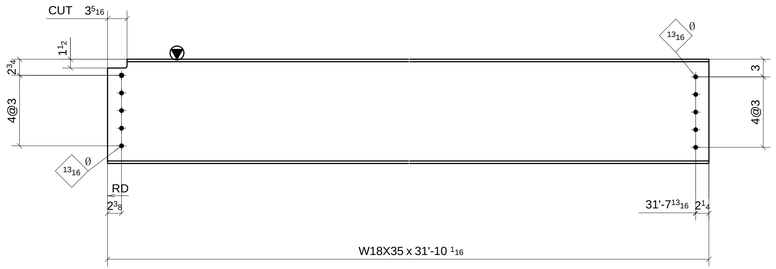
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

Sequence: 9 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.

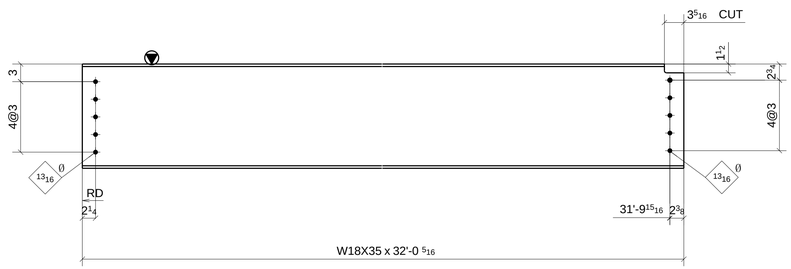
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: DWG#: 921



3 - BEAMS ~ 922A

LOCATION: (REF: E9A)

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



ONE - BEAM ~ 922B

LOCATION: (REF: E9A)

ONE @ 5-6/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
3	922A	W18X35	31'-10 1/16"	A992	
1	922B	W18X35	32'-0 5/16"	A992	

Romac By: Checked By:

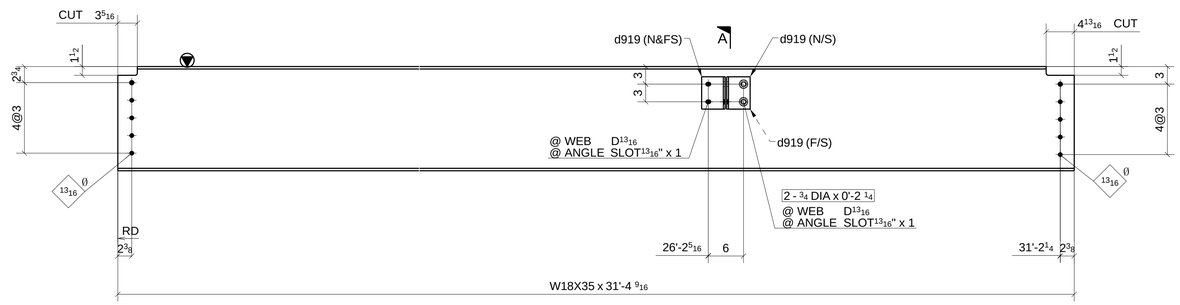
Beamline By: Checked By:

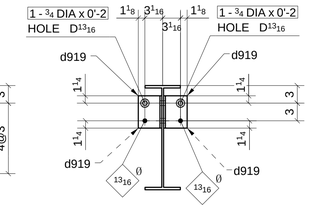
A FOR APPROVAL 07/15/16

Sequence: 9 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: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: DWG#: 922

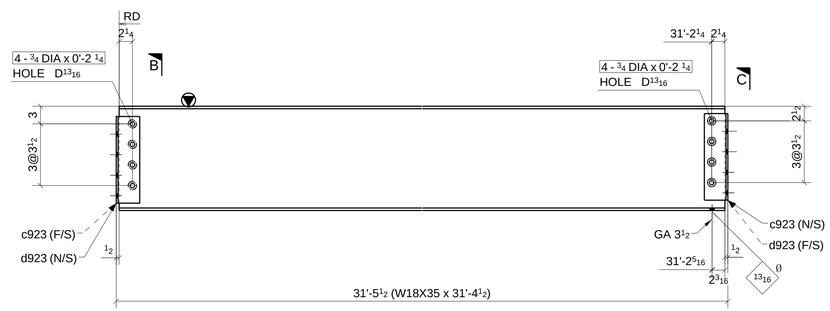


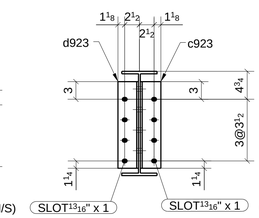


SECTION - A

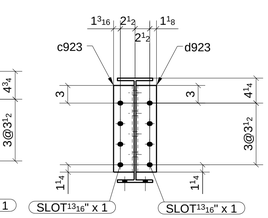
3 - BEAMS ~ 923A

LOCATION: (REF: E9A)
ONE @ 7-8/D-E
ONE @ 7-8/D-E
ONE @ 7-8/D-E





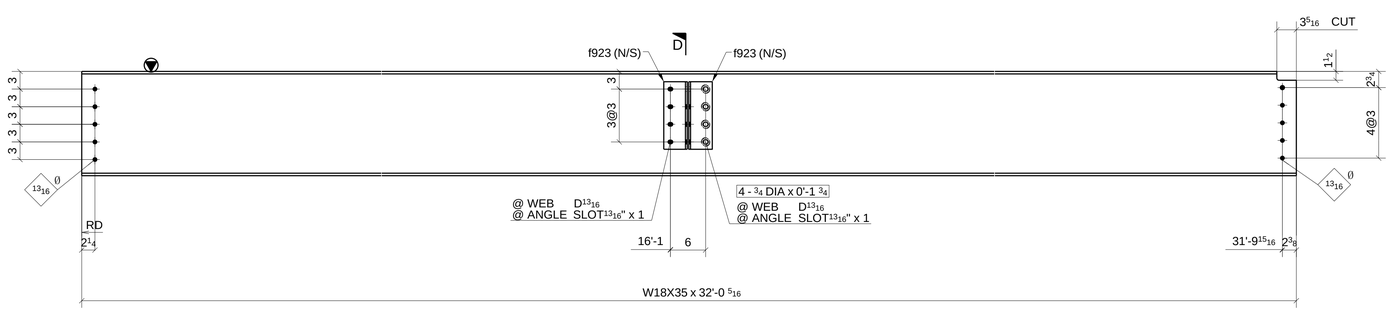
SECTION - B

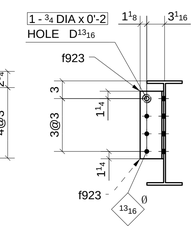


SECTION - C

ONE - BEAM ~ 923B

LOCATION: (REF: E9A)
ONE @ 5-6/F





SECTION - D

ONE - BEAM ~ 923C

LOCATION: (REF: E9A)
ONE @ 5-6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
3	923A	W18X35	31'-4 5/8"	A992	
12	d919	L4X4X5/16	0'-5 1/2"	A36	
6		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
6		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	923B	W18X35	31'-4 1/2"	A992	
2	c923	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	d923	L4X3-1/2X5/16	1'-2 3/4"	A36	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
1	923C	W18X35	32'-0 5/16"	A992	
2	f923	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	

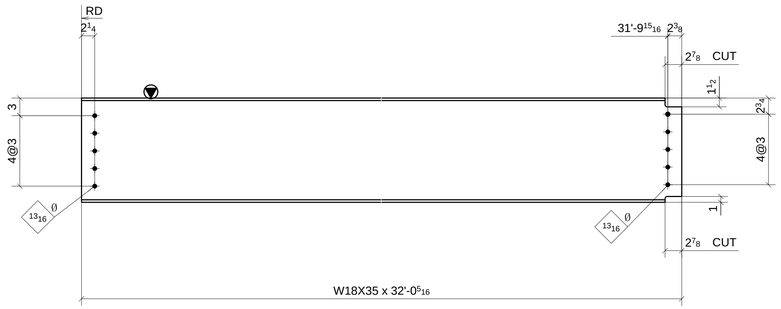
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A FOR APPROVAL 07/15/16

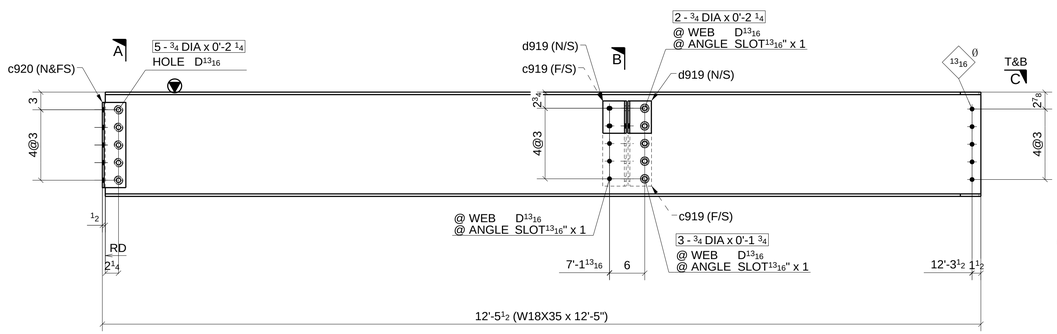
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: DWG#: 923



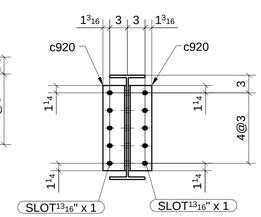
ONE - BEAM ~ 924A

LOCATION: (REF: E9A)
ONE @ 5-6/F.1

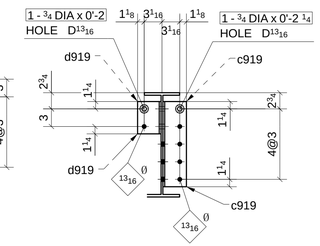


ONE - BEAM ~ 924B

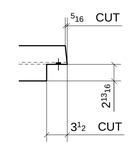
LOCATION: (REF: E9A)
ONE @ 6/F-F.1>



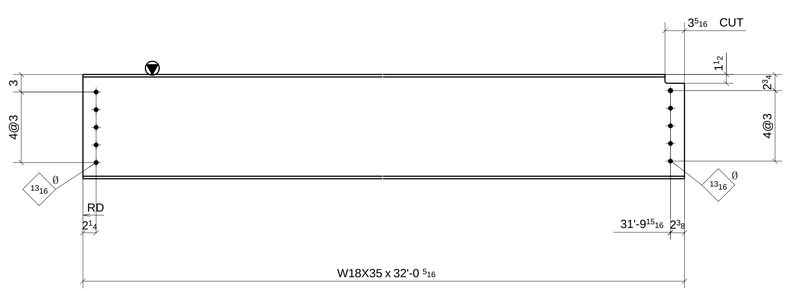
SECTION - A



SECTION - B



SECTION - C



2 - BEAMS ~ 924C

LOCATION: (REF: E9A)
ONE @ 5-6/D-E
ONE @ 5-6/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	924A	W18X35	32'-0 5/16"	A992	
1	924B	W18X35	12'-5"	A992	
2	c919	L4X4X5/16	1'-2 1/2"	A36	
2	c920	L4X4X5/16	1'-2 1/2"	A36	
2	d919	L4X4X5/16	0'-5 1/2"	A36	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
2		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	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
2	924C	W18X35	32'-0 5/16"	A992	

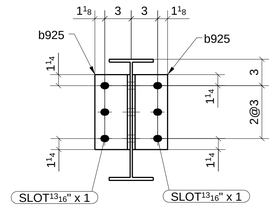
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

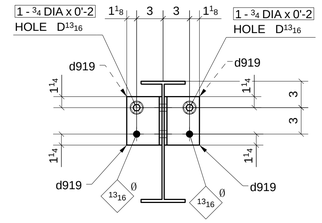
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

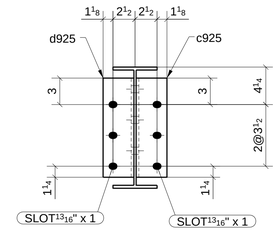
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 924



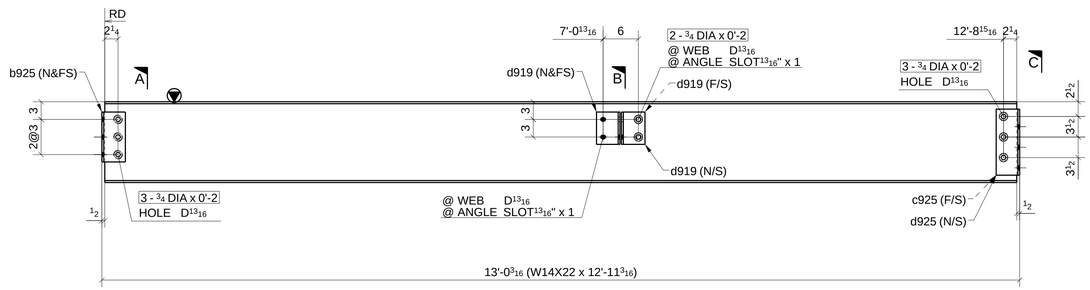
SECTION - A



SECTION - B

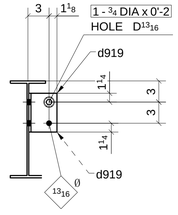


SECTION - C

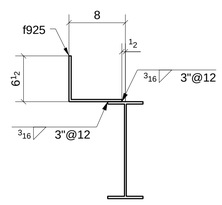


ONE - BEAM ~ 925A

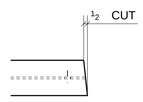
LOCATION: (REF: E9A)
ONE @ 7/F-F.1>



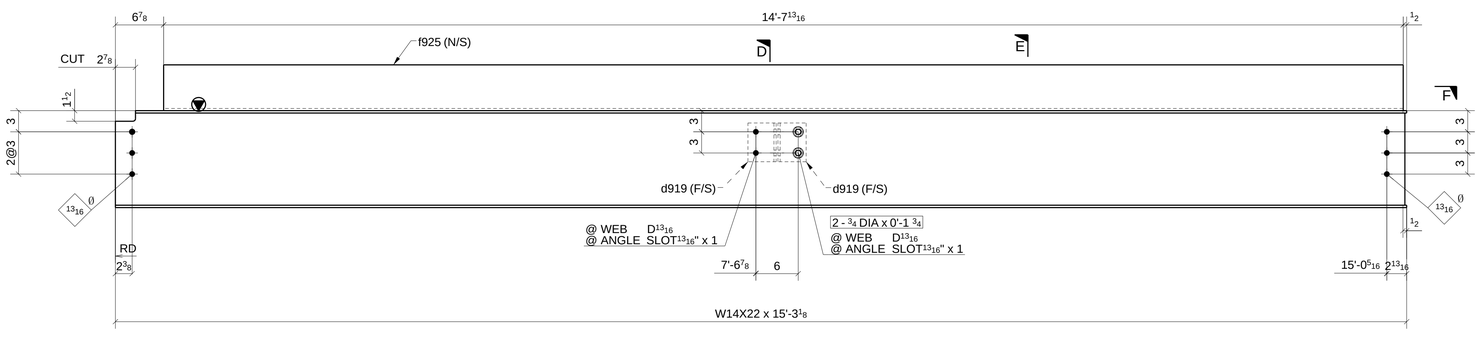
SECTION - D



SECTION - E



SECTION - F



ONE - BEAM ~ 925B

LOCATION: (REF: E9A)
ONE @ 7.2/<7.3-F.2

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	925A	W14X22	12'-11 3/16"	A992	
2	b925	L4X4X5/16	0'-8 1/2"	A36	
1	c925	L4X3-1/2X5/16	0'-11 1/4"	A36	
4	d919	L4X4X5/16	0'-5 1/2"	A36	
1	d925	L4X3-1/2X5/16	0'-11 1/4"	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	
1	925B	W14X22	15'-3 1/8"	A992	
2	d919	L4X4X5/16	0'-5 1/2"	A36	
1	f925	BPL5/16"*14	14'-7 13/16	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	

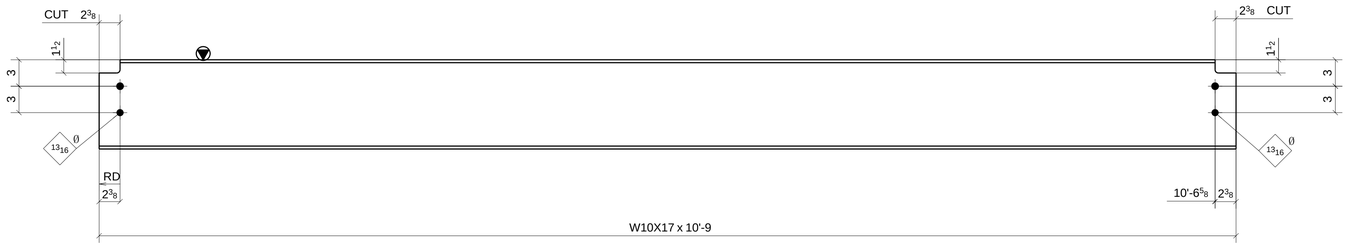
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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:

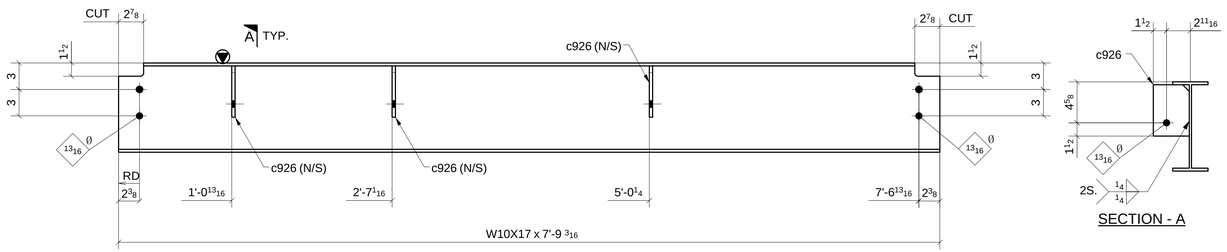
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: DWG#: 925



ONE - BEAM ~ 926A

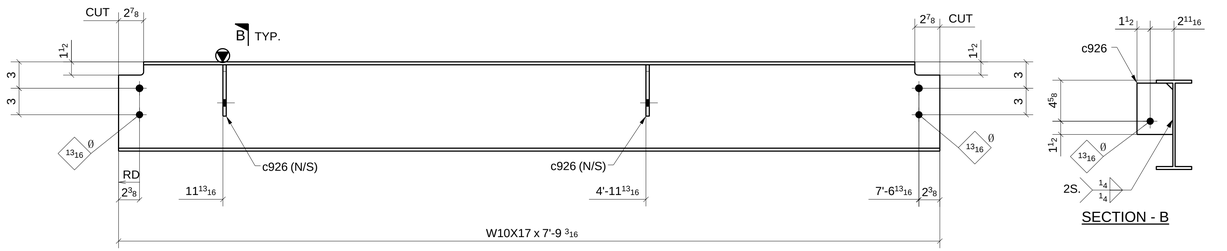
LOCATION: (REF: E9A)
ONE @ 7-7.1/F.1



SECTION - A

ONE - BEAM ~ 926B

LOCATION: (REF: E9A)
ONE @ 7.1-8/D-E



SECTION - B

ONE - BEAM ~ 926C

LOCATION: (REF: E9A)
ONE @ 7.1-8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	926A	W10X17	10'-9"	A992	
1	926B	W10X17	7'-9 3/16"	A992	
3	c926	PL3/8"X4 1/16"	0'-5 13/16"	A36	
1	926C	W10X17	7'-9 3/16"	A992	
2	c926	PL3/8"X4 1/16"	0'-5 13/16"	A36	

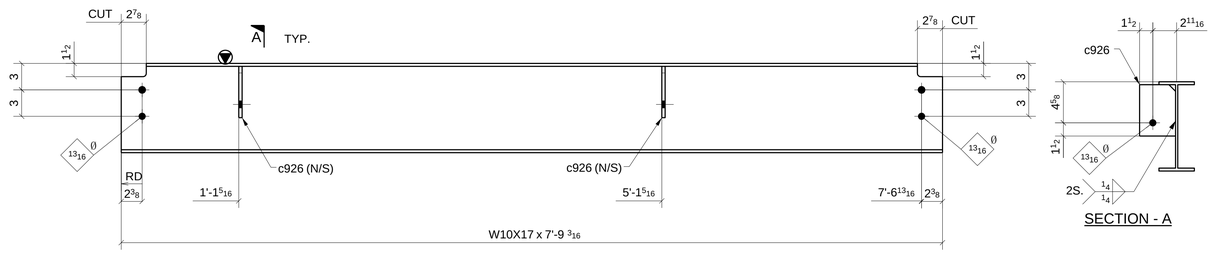
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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.

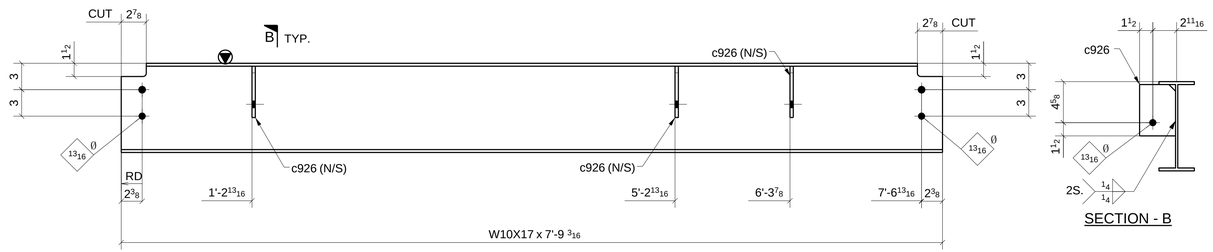
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 926



SECTION - A

ONE - BEAM ~ 927A

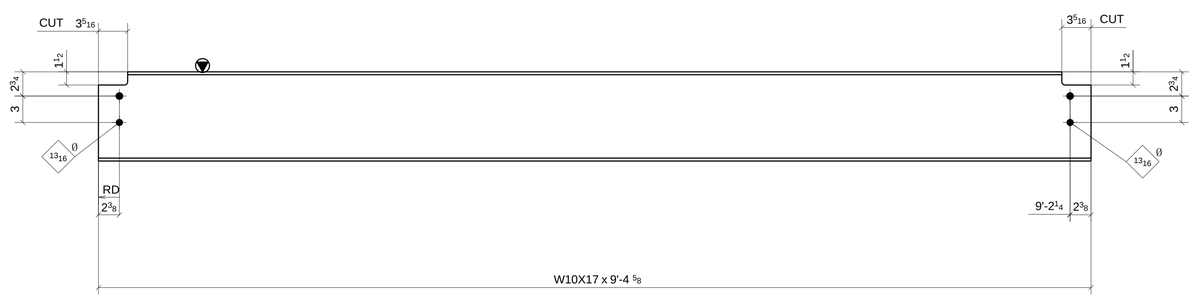
LOCATION: (REF: E9A)
ONE @ 7.1-8/D-E



SECTION - B

ONE - BEAM ~ 927B

LOCATION: (REF: E9A)
ONE @ 7.1-8/D-E



ONE - BEAM ~ 927C

LOCATION: (REF: E9A)
ONE @ 6-7/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	927A	W10X17	7'-9 3/16"	A992	
2	c926	PL3/8"X4 1/16"	0'-5 13/16"	A36	
1	927B	W10X17	7'-9 3/16"	A992	
3	c926	PL3/8"X4 1/16"	0'-5 13/16"	A36	
1	927C	W10X17	9'-4 5/8"	A992	

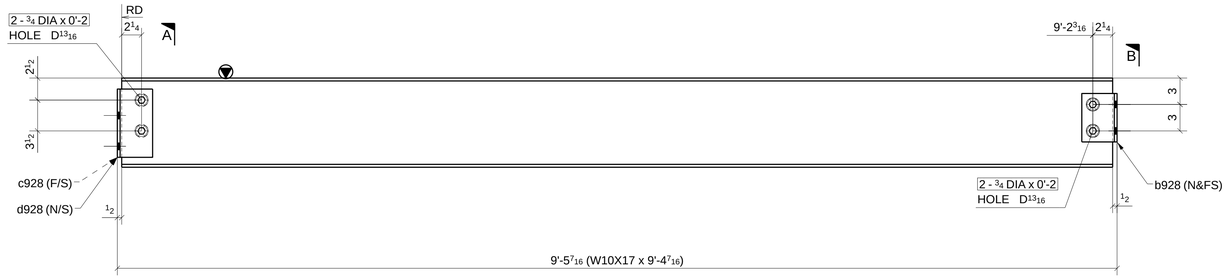
Romac By: Checked By:
Beamline By: Checked By:

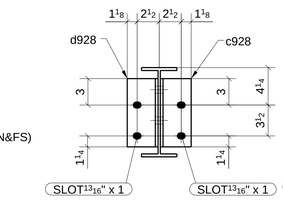
A	FOR APPROVAL	07/15/16

Sequence: 9 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:

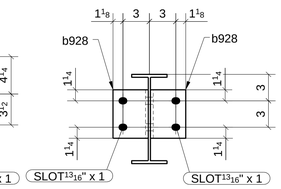
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 927





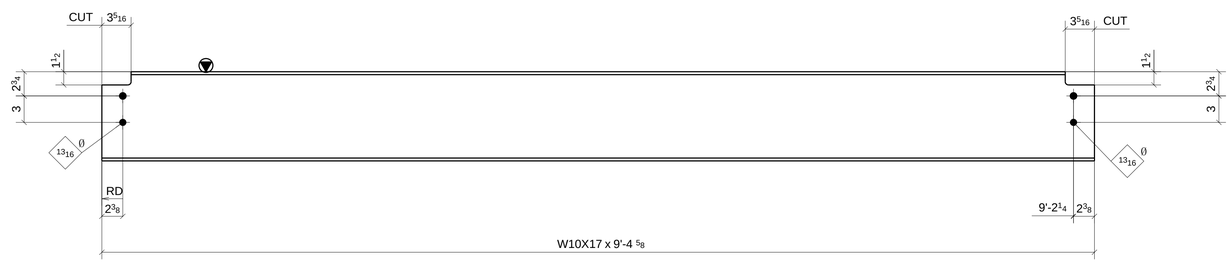
SECTION - A



SECTION - B

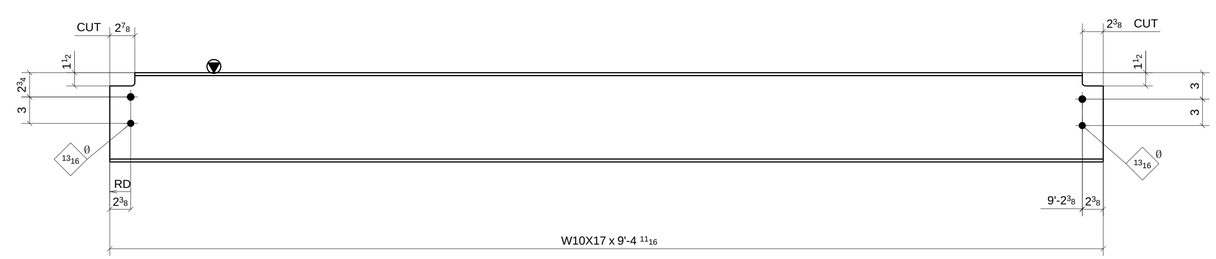
2 - BEAMS ~ 928A

LOCATION: (REF: E9A)
ONE @ 6-7/F
ONE @ 6-7/F



2 - BEAMS ~ 928B

LOCATION: (REF: E9A)
ONE @ 6-7/E-F
ONE @ 6-7/E-F



ONE - BEAM ~ 928C

LOCATION: (REF: E9A)
ONE @ 6-7/F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	928A	W10X17	9'-4 7/16"	A992	
4	b928	L4X4X5/16	0'-5 1/2"	A36	
2	c928	L4X3-1/2X5/16	0'-7 3/4"	A36	
2	d928	L4X3-1/2X5/16	0'-7 3/4"	A36	
8		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2	928B	W10X17	9'-4 5/8"	A992	
1	928C	W10X17	9'-4 3/4"	A992	

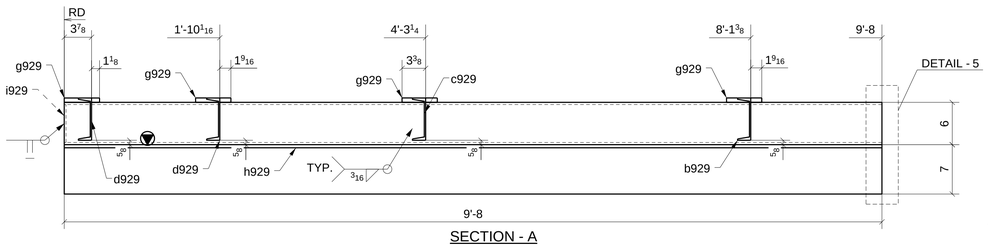
Romac By: _____ Checked By: _____
Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/15/16

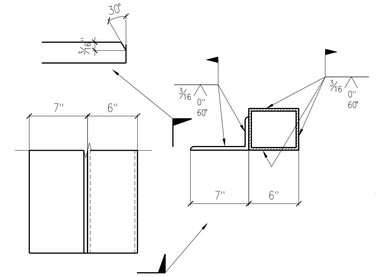
Sequence: 9 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: _____ COLOR: _____

ATLAS IRON WORKS
ST. LOUIS, MO.

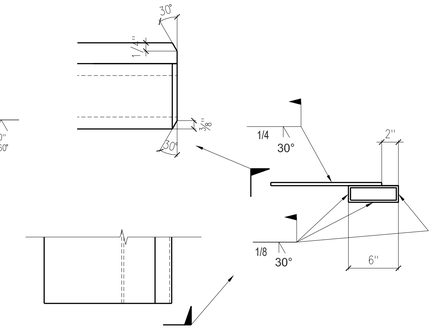
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016
Job No. A16013 BAT: _____ DWG#: 928



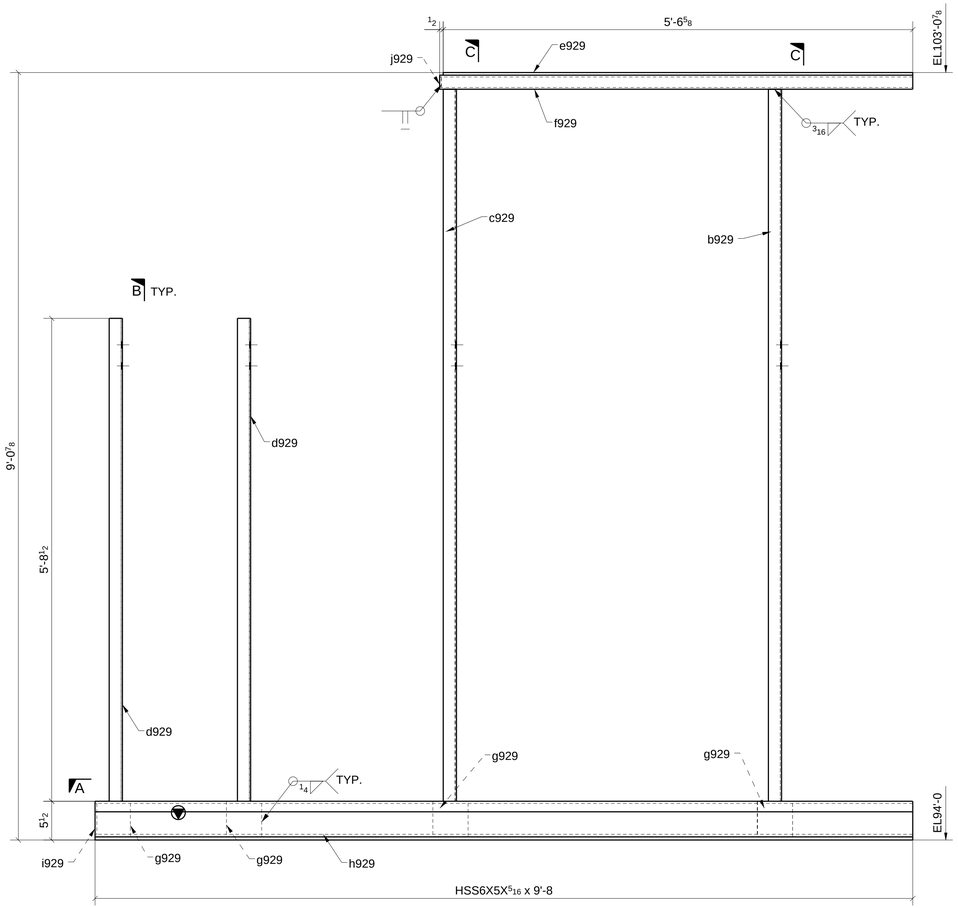
SECTION - A



DETAIL "5"

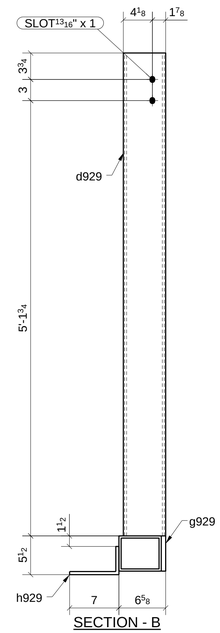


DETAIL "6"

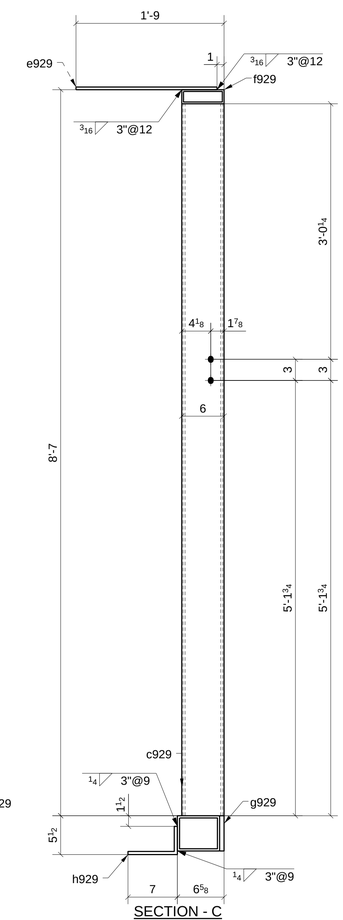


ONE - BEAM ~ 929A

LOCATION: ONE @ 8/D-E (REF: E9A)



SECTION - B



SECTION - C

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	929A	HSS6X5X5/16	9'-8"	A500-GR.B-46	
1	b929	C6X8.2	8'-5"	A992	
1	c929	C6X8.2	8'-5"	A992	
2	d929	C6X8.2	5'-8 1/2"	A992	
1	e929	PL3/8"X20"	5'-6 5/8"	A36	
1	f929	HSS6X2X1/4	5'-7 1/8"	A500-GR.B-46	
4	g929	PL5/8"X5"	0'-5"	A36	
1	h929	L7X4X7/16	9'-8"	A36	GALV.
1	i929	PL1/4"X4 3/8"	0'-5 3/8"	A36	
1	j929	PL1/4"X1 1/2"	0'-5 1/2"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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

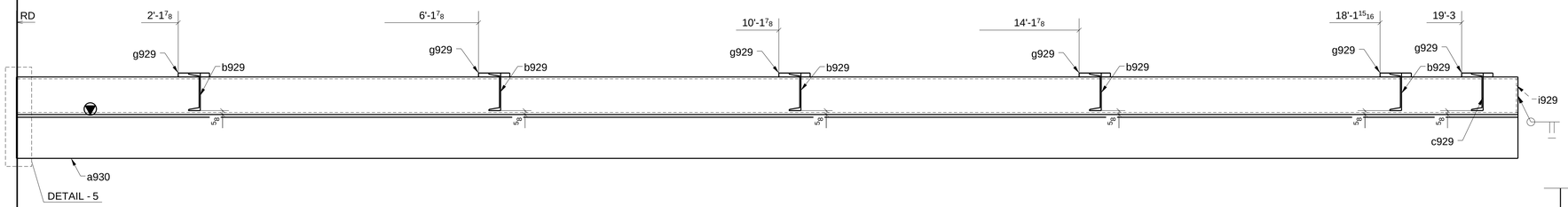
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

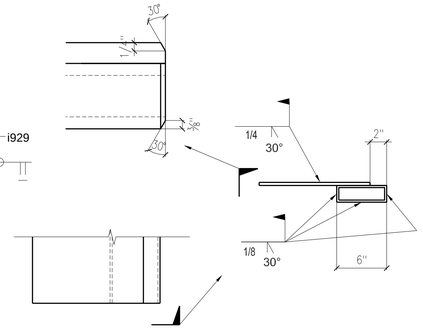
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016

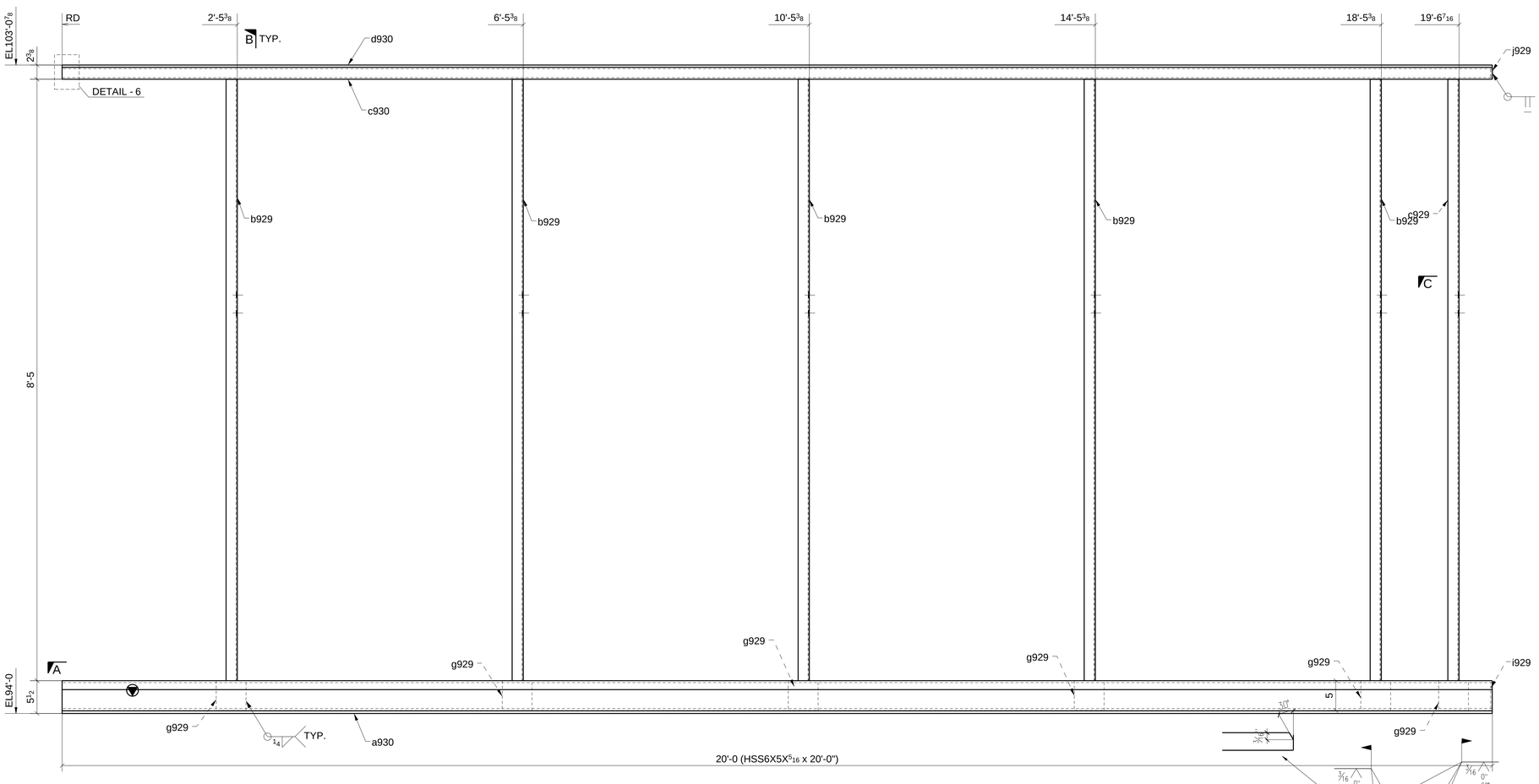
Job No. A16013 BAT: DWG#: 929



SECTION - A

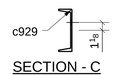


DETAIL "6"

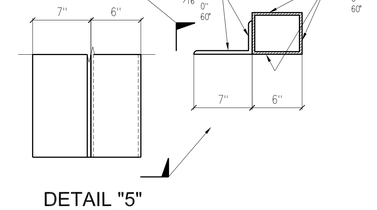


ONE - BEAM ~ 930A

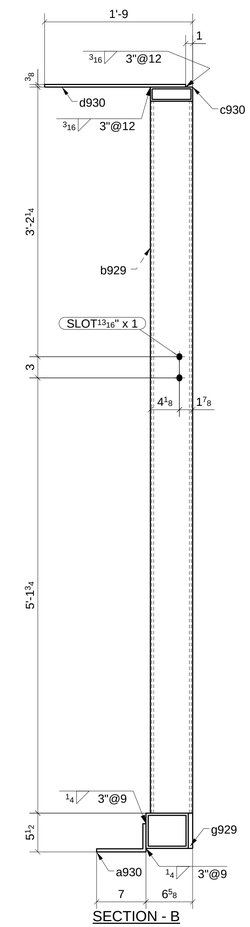
LOCATION: (REF: E9A)
ONE @ 8/D-E



SECTION - C



DETAIL "5"



SECTION - B

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	930A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a930	L7X4X7/16	20'-0"	A36	GALV.
5	b929	C6X8.2	8'-5"	A992	
1	c929	C6X8.2	8'-5"	A992	
1	c930	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	d930	PL3/8"X20"	20'-0"	A36	
6	g929	PL5/8"X5"	0'-5"	A36	
1	i929	PL1/4"X4 3/8"	0'-5 3/8"	A36	
1	j929	PL1/4"X1 1/2"	0'-5 1/2"	A36	

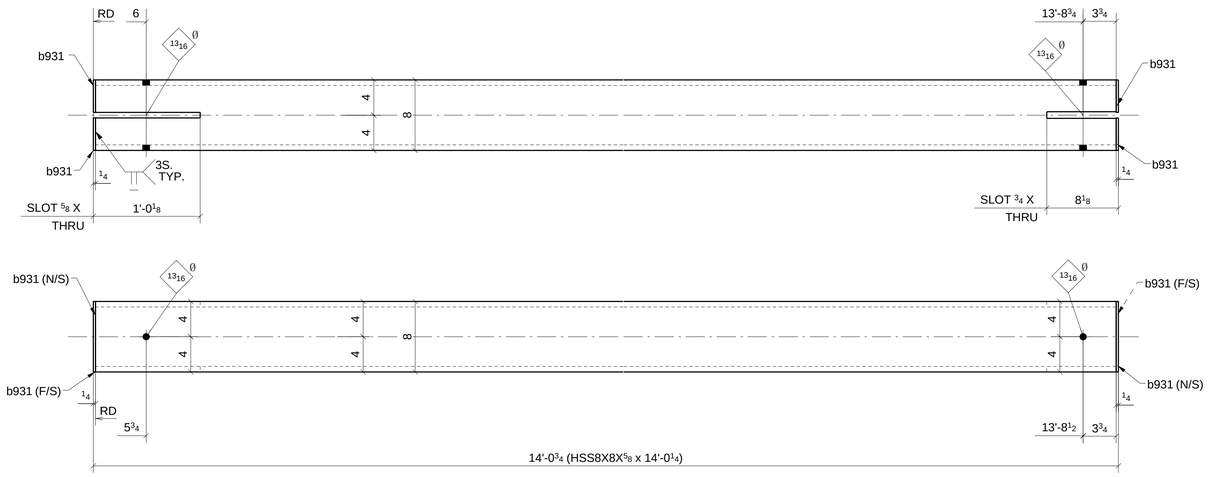
Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

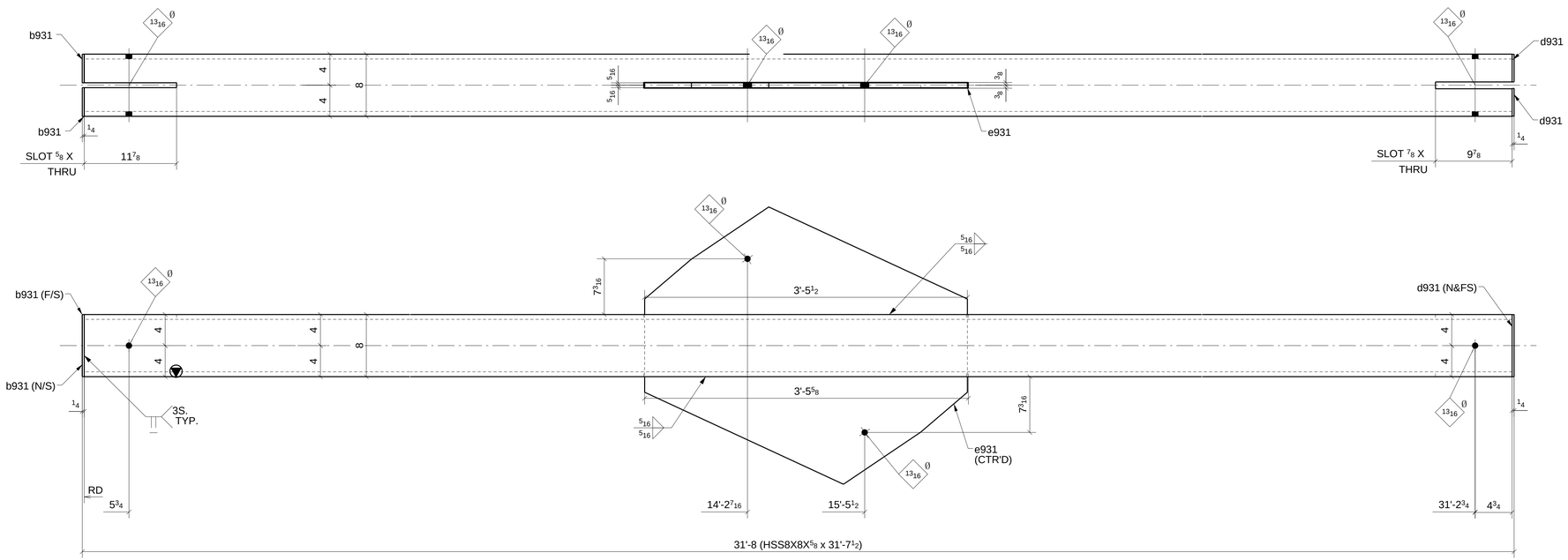
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 930



ONE - VERTICAL BRACE ~ 931A

(REF: E9A)



ONE - VERTICAL BRACE ~ 931B

(REF: E9A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	931A	HSS8X8X5/8	14'-0 1/4"	A500-GR.B-46	
4	b931	PL1/4"X3 11/16"	0'-8"	A36	
1	931B	HSS8X8X5/8	31'-7 1/2"	A500-GR.B-46	
2	b931	PL1/4"X3 11/16"	0'-8"	A36	
2	d931	PL1/4"X3 9/16"	0'-8"	A36	
1	e931	PL5/8"X28 5/16"	3'-6 11/16"	A572-GR.50	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/15/16

Sequence: 9 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

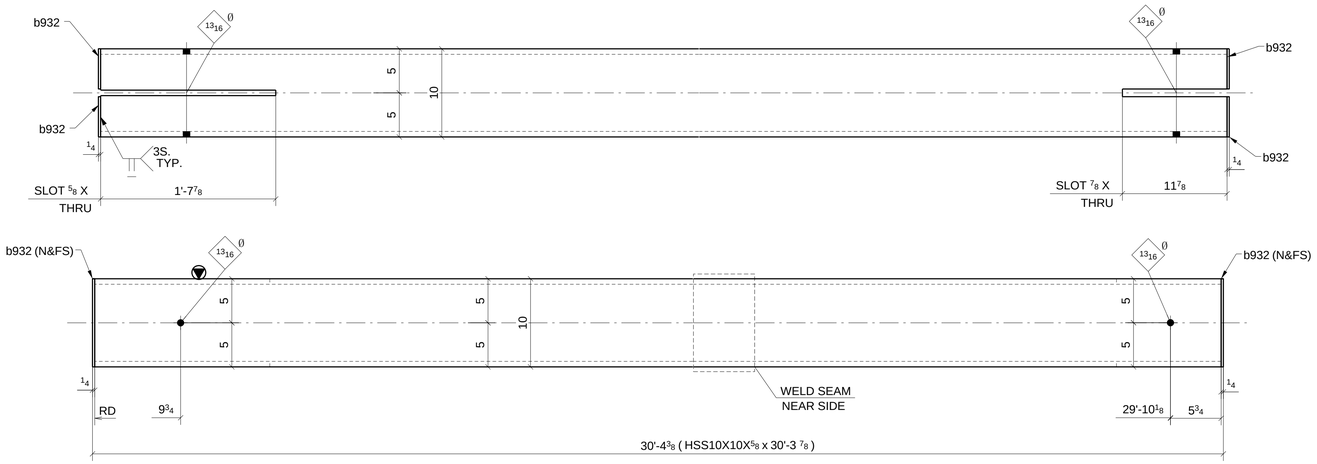
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

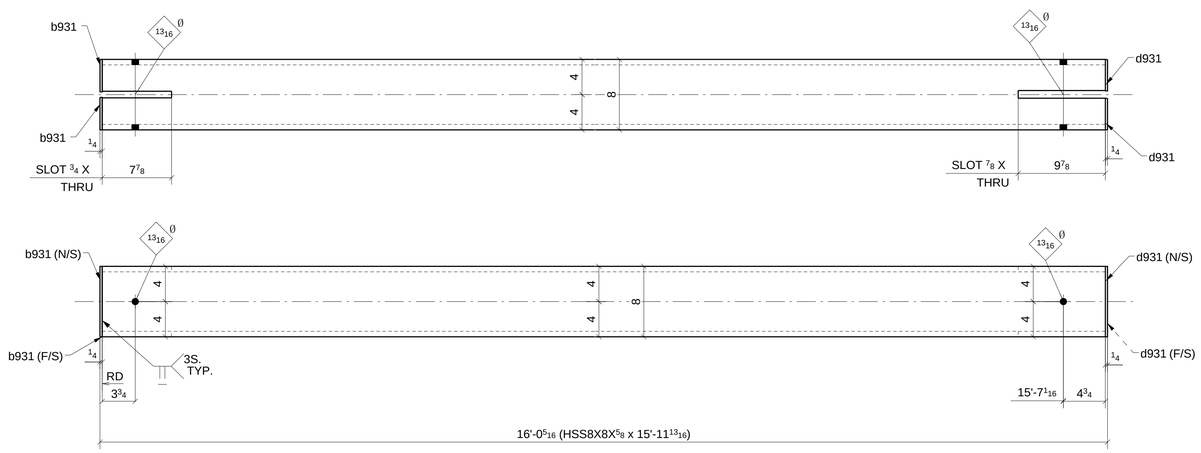
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016

Job No. A16013 BAT: _____ DWG#: 931



ONE - VERTICAL BRACE ~ 932A

(REF: E9A)



ONE - VERTICAL BRACE ~ 932B

(REF: E9A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	932A	HSS10X10X5/8	30'-3 7/8"	A500-GR.B-46	
4	b932	PL1/4"X4 9/16"	0'-10"	A36	
1	932B	HSS8X8X5/8	15'-11 13/16"	A500-GR.B-46	
2	b931	PL1/4"X3 11/16"	0'-8"	A36	
2	d931	PL1/4"X3 9/16"	0'-8"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	07/15/16

Sequence: 9 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

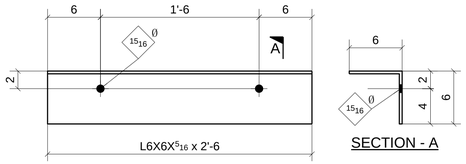
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

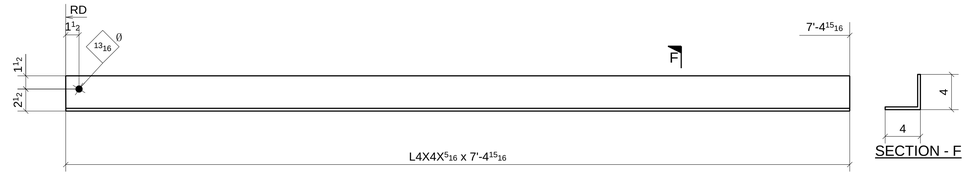
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016

Job No. A16013 BAT: _____ DWG#: 932



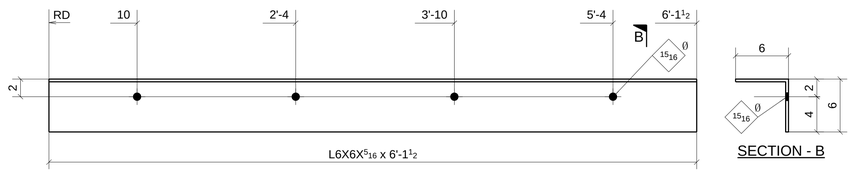
ONE - ANGLE ~ 933A

(REF: E9A)



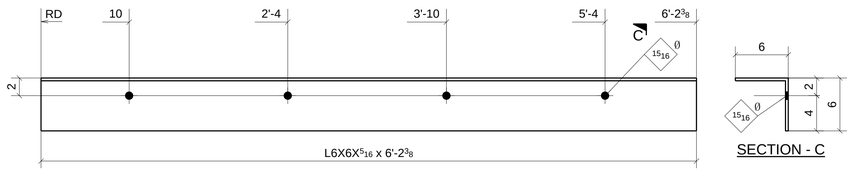
10 - ANGLES ~ 933H

(REF: E9A)



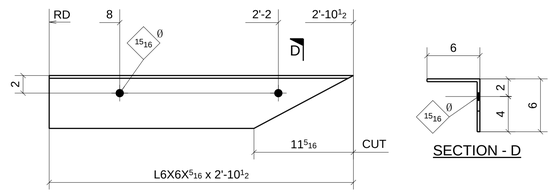
3 - ANGLES ~ 933B

(REF: E9A)



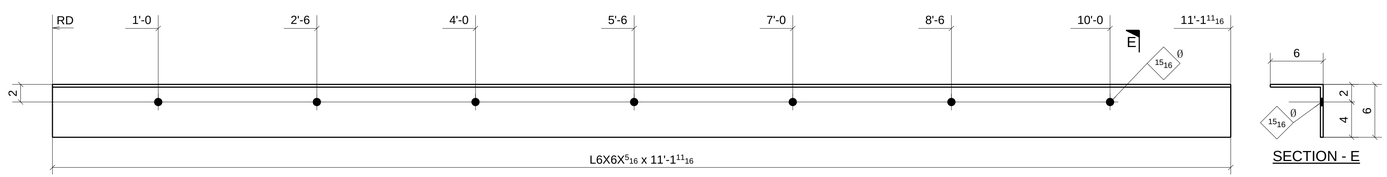
5 - ANGLES ~ 933C

(REF: E9A)



ONE - ANGLE ~ 933D

(REF: E9A)



ONE - ANGLE ~ 933F

(REF: E9A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	933A	L6X6X5/16	2'-6"	A36	
3	933B	L6X6X5/16	6'-1 1/2"	A36	
5	933C	L6X6X5/16	6'-2 3/8"	A36	
1	933D	L6X6X5/16	2'-10 1/2"	A36	
1	933F	L6X6X5/16	11'-1 11/16"	A36	
10	933H	L4X4X5/16	7'-4 15/16"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/15/16

Sequence: 9 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

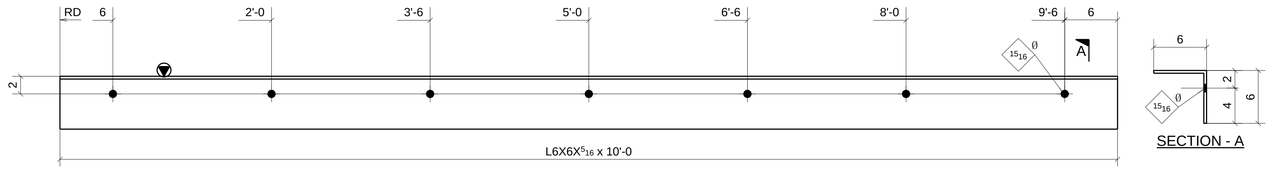
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

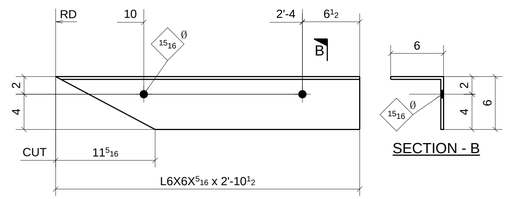
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016

Job No. A16013 BAT: _____ DWG#: 933



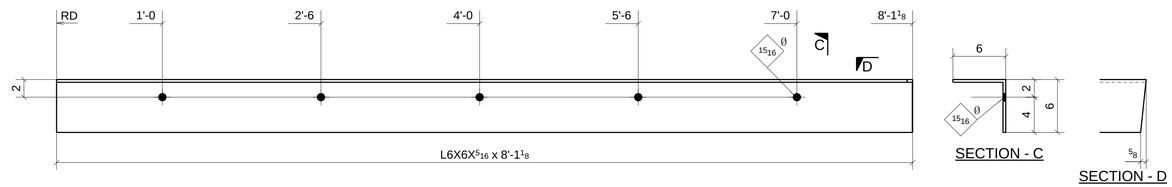
ONE - ANGLE ~ 934A

(REF: E9A)



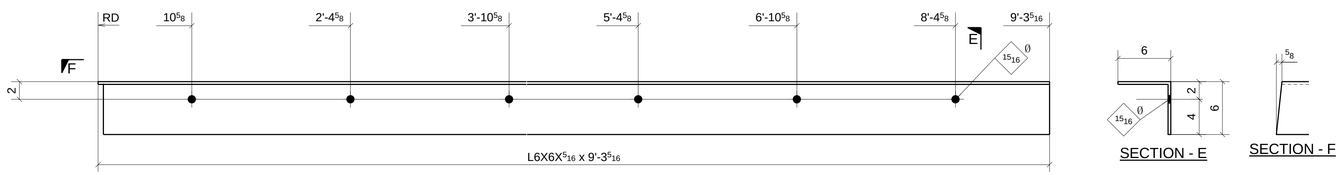
ONE - ANGLE ~ 934B

(REF: E9A)



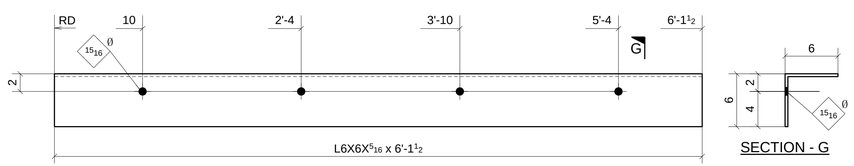
ONE - ANGLE ~ 934C

(REF: E9A)



ONE - ANGLE ~ 934D

(REF: E9A)



2 - ANGLES ~ 934F

(REF: E9A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	934A	L6X6X5/16	10'-0"	A36	
1	934B	L6X6X5/16	2'-10 1/2"	A36	
1	934C	L6X6X5/16	8'-1 1/8"	A36	
1	934D	L6X6X5/16	9'-3 5/16"	A36	
2	934F	L6X6X5/16	6'-1 1/2"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/15/16

Sequence: 9 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

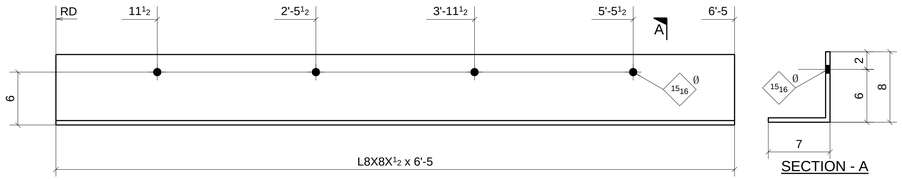
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

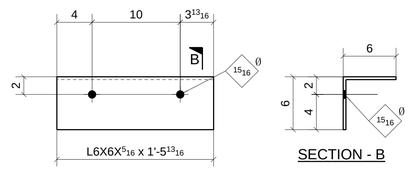
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/18/2016

Job No. A16013 BAT: _____ DWG#: 934



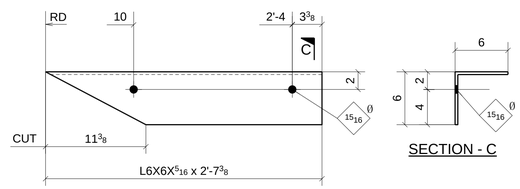
2 - ANGLES ~ 935A

(REF: E9A)



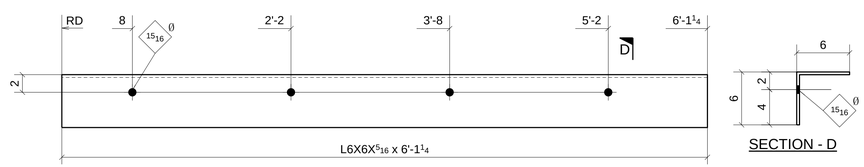
ONE - ANGLE ~ 935B

(REF: E9A)



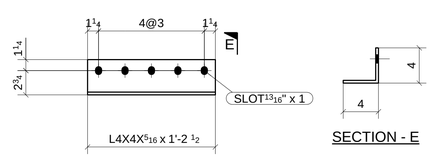
ONE - ANGLE ~ 935C

(REF: E9A)



ONE - ANGLE ~ 935D

(REF: E9A)



20 - ANGLES ~ 935F

(REF: E9A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
2	935A	L8X8X1/2	6'-5"	A36	
1	935B	L6X6X5/16	1'-5 13/16"	A36	
1	935C	L6X6X5/16	2'-7 3/8"	A36	
1	935D	L6X6X5/16	6'-1 1/4"	A36	
20	935F	L4X4X5/16	1'-2 1/2"	A36	

FOR APPROVAL

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	07/15/16

Sequence: 9 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

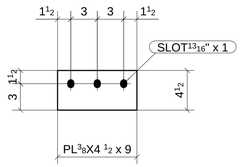
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016

Job No. A16013 BAT: _____ DWG#: 935



ONE - PLATE ~ 936A

(REF: E9A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	936A	PL3/8"X4 1/2"	0'-9"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

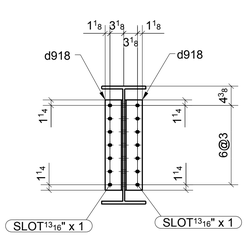
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/14/2016

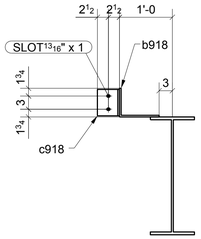
Job No. A16013 BAT: _____ DWG#: 936

A FOR APPROVAL 07/15/16

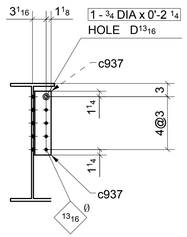
Sequence:	9	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



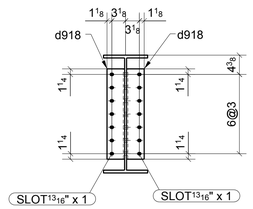
SECTION - A



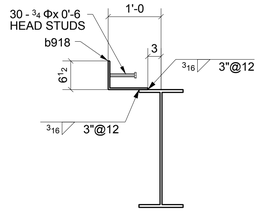
SECTION - B



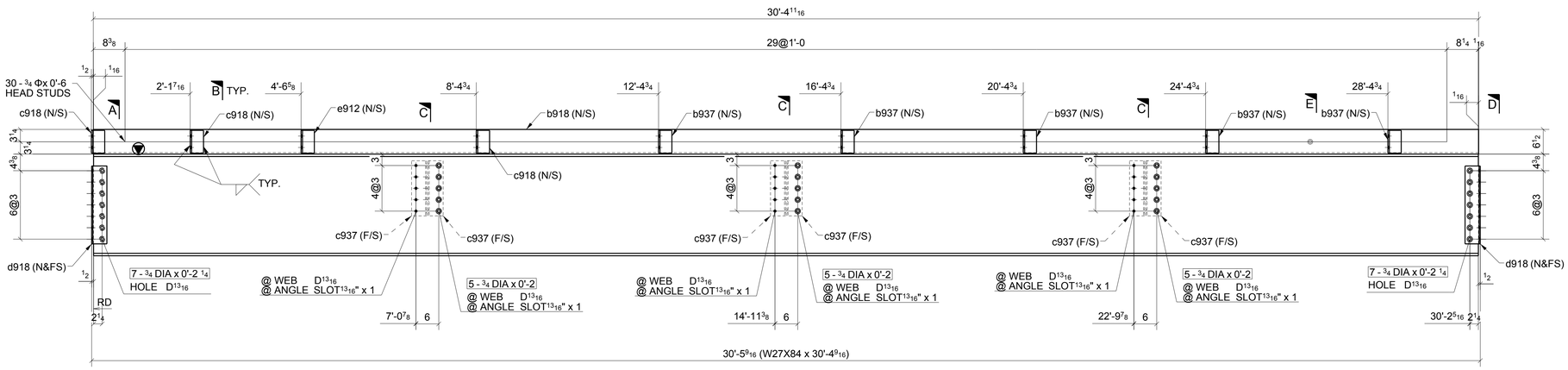
SECTION - C



SECTION - D



SECTION - E



ONE - BEAM ~ 937A

LOCATION: (REF: E9B)
ONE @ 8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	937A	W27X84	30'-4 9/16"	A992	
1	b918	BPL3/8"X15 1/2"	30'-4 11/16	A36	
5	b937	L5X3-1/2X3/8	0'-6"	A36	
3	c918	L5X3-1/2X3/8	0'-6"	A36	
6	c937	L4X4X5/16	1'-2 1/2"	A36	
4	d918	L4X4X5/16	1'-8 1/2"	A36	
1	e912	L5X3-1/2X3/8	0'-6"	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"		

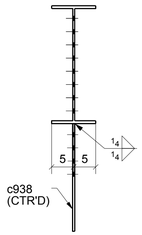
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

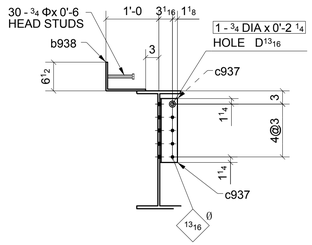
Sequence: 9 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

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: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 937



SECTION - A



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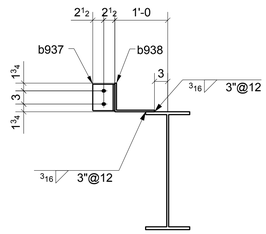

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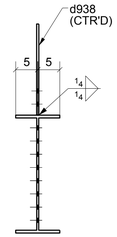

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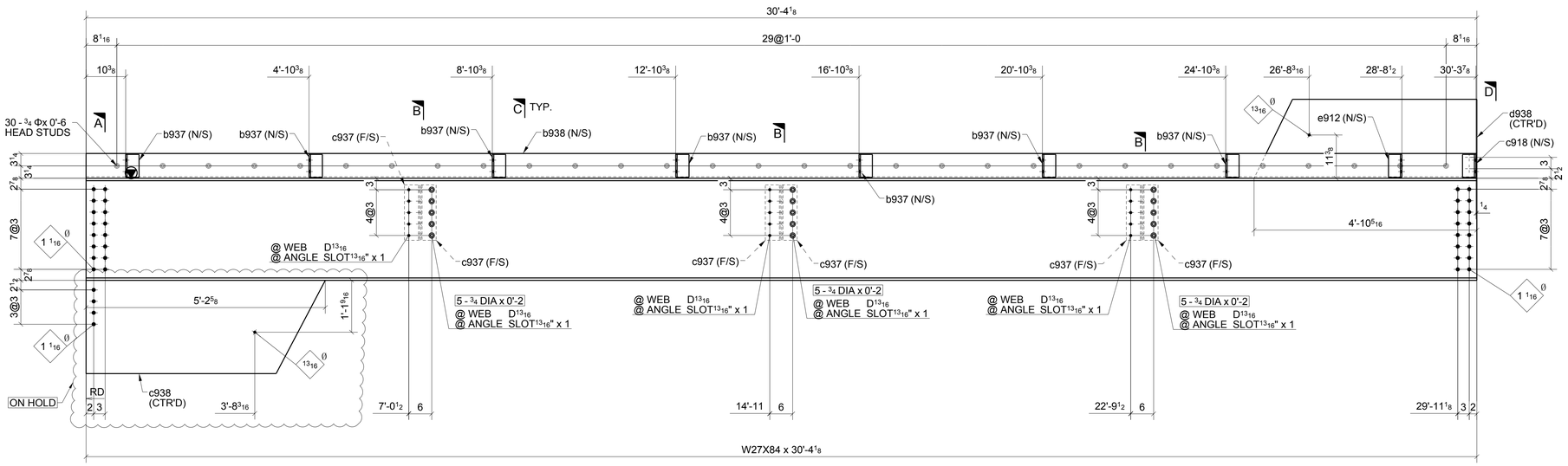


ONE - BEAM ~ 938A

LOCATION:
ONE @ 8/E-F

(REF: E9B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

	QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
	1	938A	W27X84	30'-4 1/8"	A992	
	7	b937	L5X3-1/2X3/8	0'-6"	A36	
	1	b938	BPL3/8"X15 1/2"	30'-4 1/8"	A36	
	1	c918	L5X3-1/2X3/8	0'-6"	A36	
	6	c937	L4X4X5/16	1'-2 1/2"	A36	
ON HOLD	1	c938	PL1/2"X24 7/16"	5'-2 5/8"	A572-GR.50	
	1	d938	PL1/2"X20 11/16"	4'-10 5/16"	A572-GR.50	
	1	e912	L5X3-1/2X3/8	0'-6"	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:

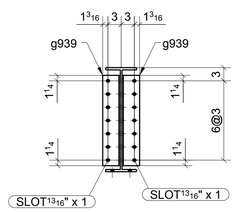
Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

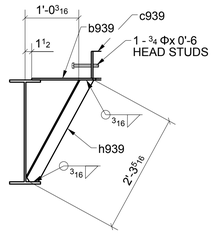
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

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: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 938



SECTION - A



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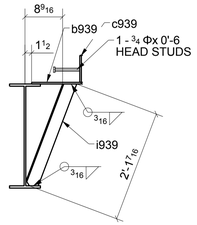

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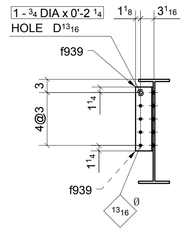

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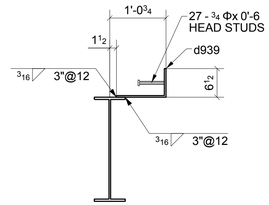

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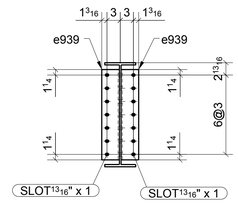

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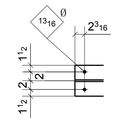

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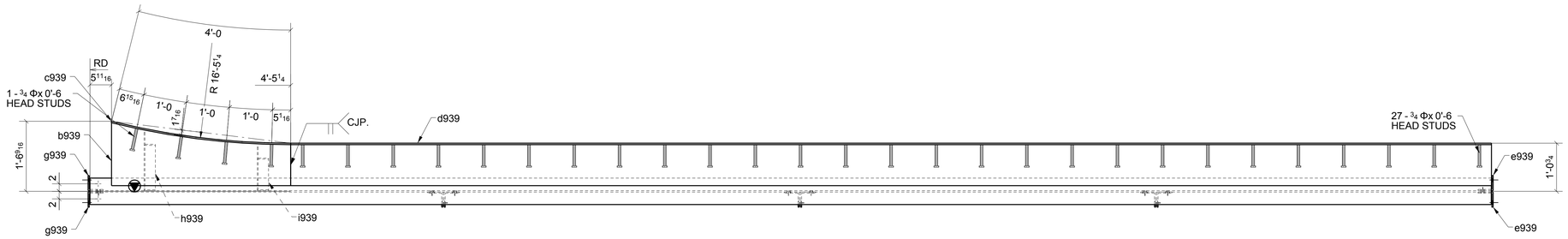
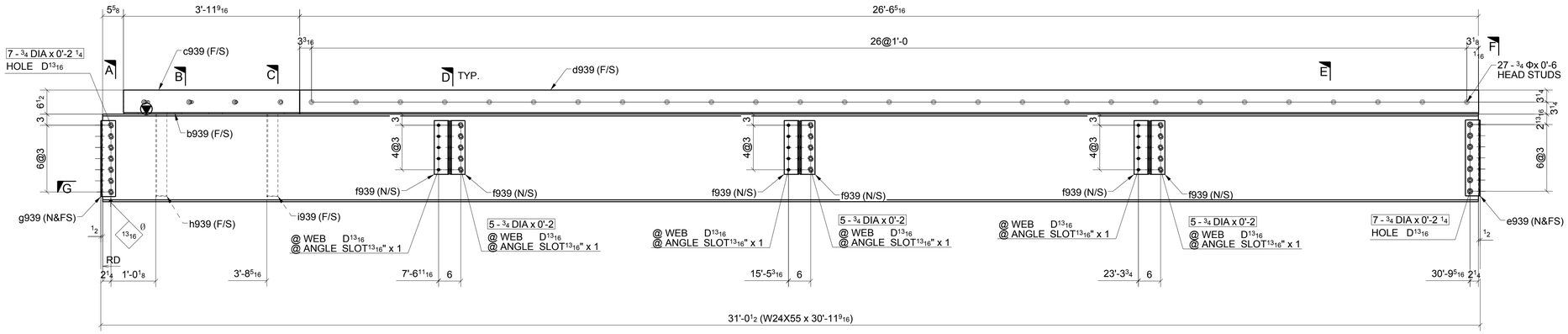




ONE - BEAM ~ 939A

LOCATION: (REF: E9B)
ONE @ 5/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	939A	W24X55	30'-11 9/16"	A992	
1	b939	PL3/8"X17 1/16"	3'-11 1/2"	A36	
1	c939	BPL3/8"X6 1/8"	4'-0 1/16"	A36	
1	d939	BPL3/8"X17 3/4"	26'-6 3/8"	A36	
2	e939	L4X4X5/16	1'-8 1/2"	A36	
6	f939	L4X4X5/16	1'-2 1/2"	A36	
2	g939	L4X4X5/16	1'-8 1/2"	A36	
1	h939	L3X3X1/4	2'-3 5/16"	A36	
1	i939	L3X3X1/4	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"		

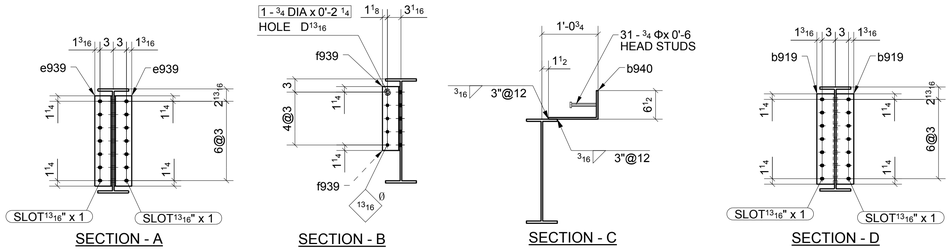
Romac By: Checked By:
Beamline By: Checked By:

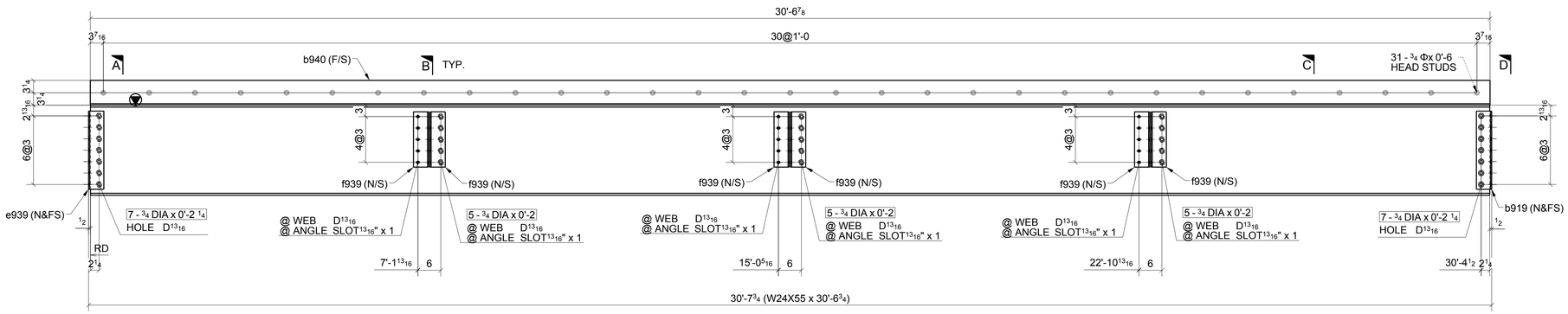
A FOR APPROVAL 07/15/16

Sequence: 9 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.

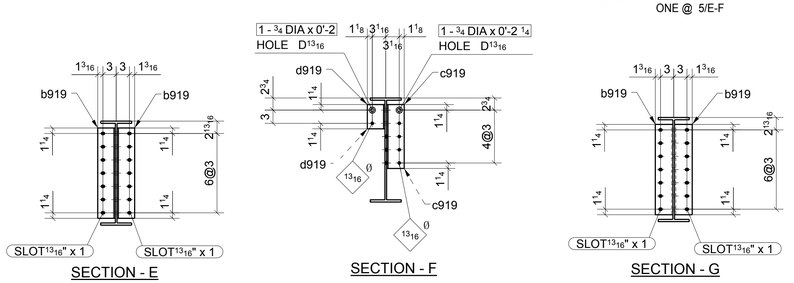
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 939

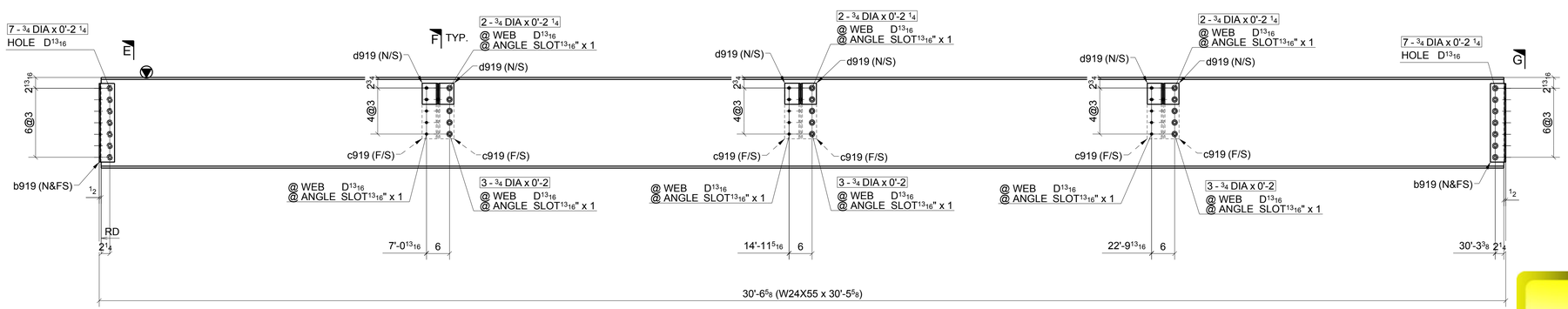




ONE - BEAM ~ 940A

LOCATION: (REF: E9B)
ONE @ 5/E-F





ONE - BEAM ~ 940B

LOCATION: (REF: E9B)
ONE @ 6/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

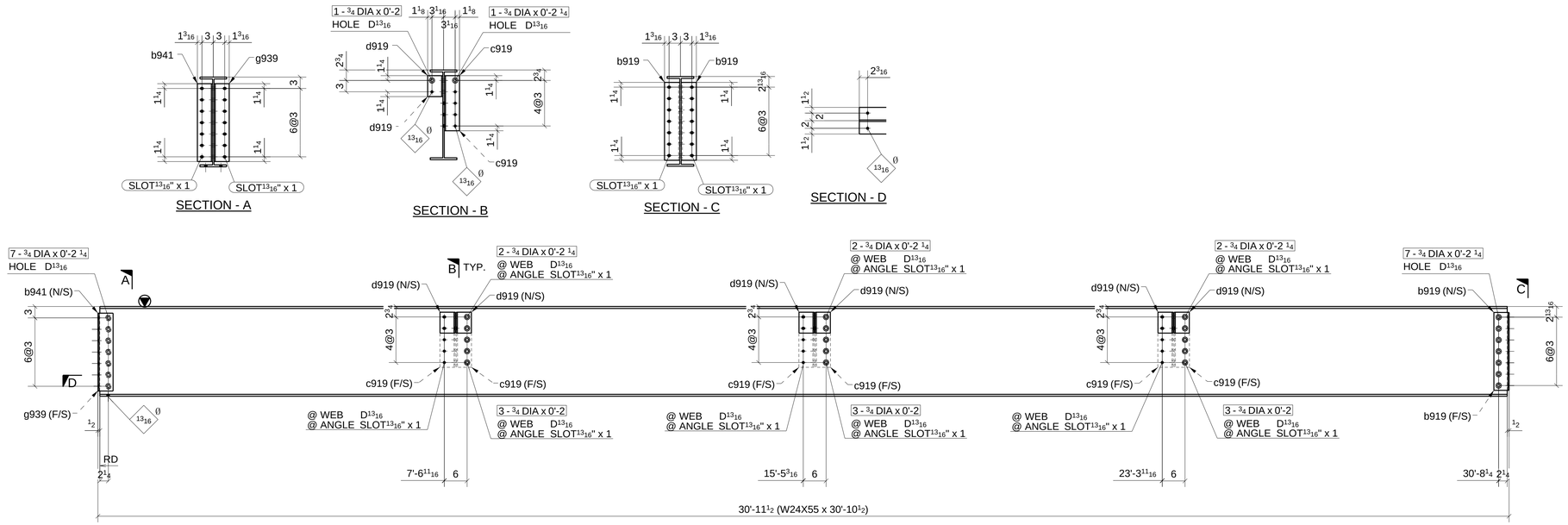
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	940A	W24X55	30'-6 3/4"	A992	
2	b919	L4X4X5/16	1'-8 1/2"	A36	
1	b940	BPL3/8"X17 3/4"	30'-6 7/8"	A36	
2	e939	L4X4X5/16	1'-8 1/2"	A36	
6	f939	L4X4X5/16	1'-2 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
14		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
15		3/4" DIA. W/N&W	0'-2"	A325N_TC	
31		3/4" STUD	0'-6"		
1	940B	W24X55	30'-5 5/8"	A992	
4	b919	L4X4X5/16	1'-8 1/2"	A36	
6	c919	L4X4X5/16	1'-2 1/2"	A36	
6	d919	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:

ATLAS IRON WORKS
ST. LOUIS, MO.

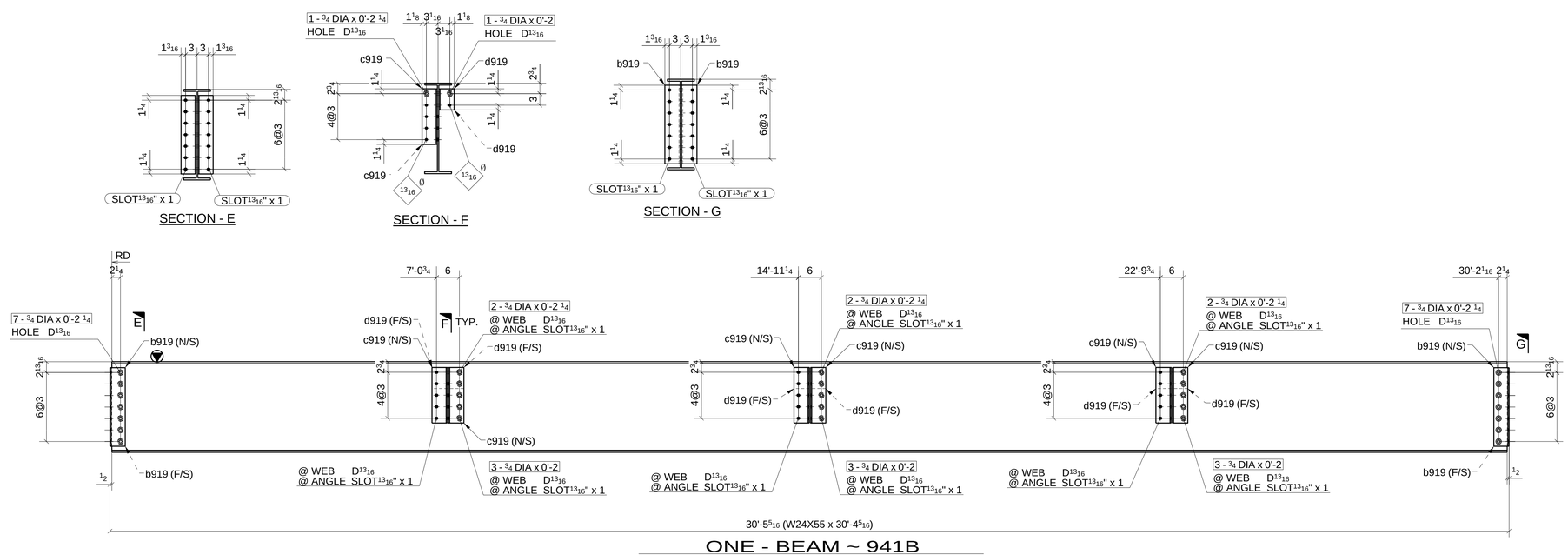
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 940



ONE - BEAM ~ 941A

LOCATION: (REF: E9B)
ONE @ 6/D-E



ONE - BEAM ~ 941B

LOCATION: (REF: E9B)
ONE @ 7/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	941A	W24X55	30'-10 1/2"	A992	
2	b919	L4X4X5/16	1'-8 1/2"	A36	
1	b941	L4X4X5/16	1'-8 1/2"	A36	
6	c919	L4X4X5/16	1'-2 1/2"	A36	
6	d919	L4X4X5/16	0'-5 1/2"	A36	
1	g939	L4X4X5/16	1'-8 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	941B	W24X55	30'-4 5/16"	A992	
4	b919	L4X4X5/16	1'-8 1/2"	A36	
6	c919	L4X4X5/16	1'-2 1/2"	A36	
6	d919	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	

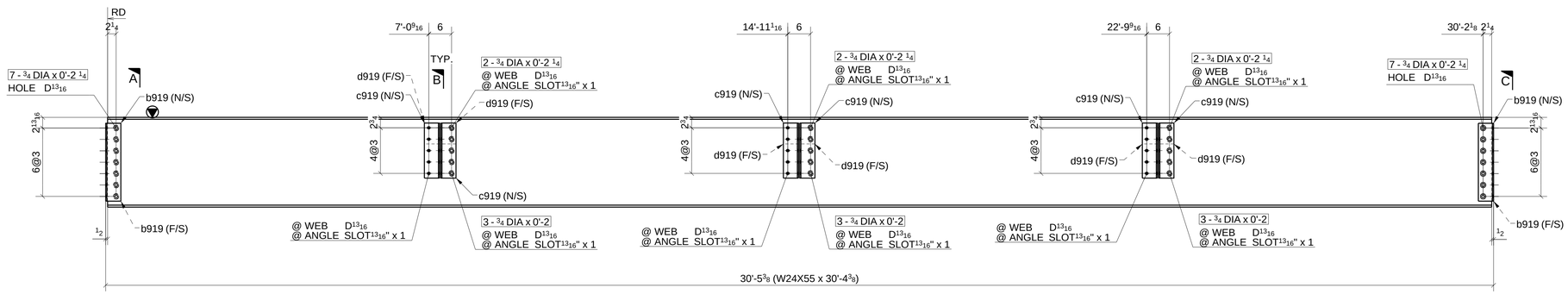
Romac By: Checked By:
Beamline By: Checked By:

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: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No.	A16013 BAT: DWG#: 941

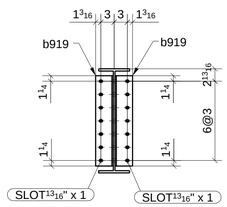
A FOR APPROVAL 07/15/16

Sequence:	9	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:	

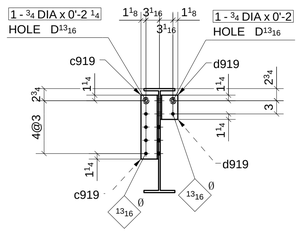


ONE - BEAM ~ 942A

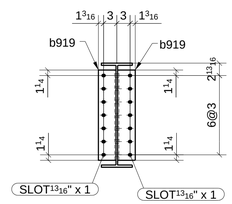
LOCATION: (REF: E9B)
ONE @ 7/E-F



SECTION - A



SECTION - B



SECTION - C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	942A	W24X55	30'-4 3/8"	A992	
4	b919	L4X4X5/16	1'-8 1/2"	A36	
6	c919	L4X4X5/16	1'-2 1/2"	A36	
6	d919	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	

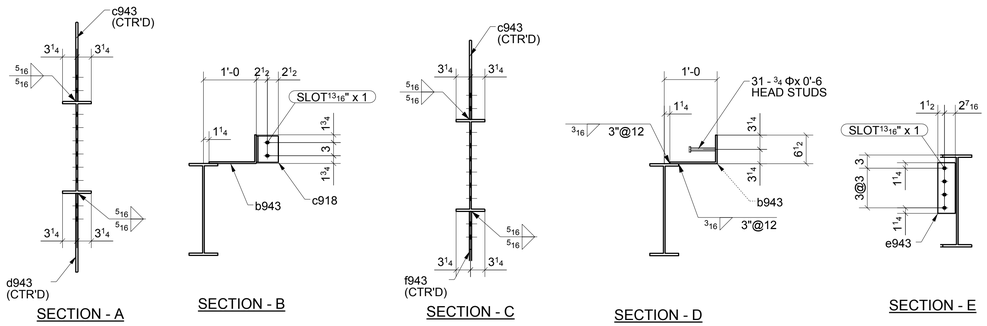
Romac By: Checked By:
Beamline By: Checked By:

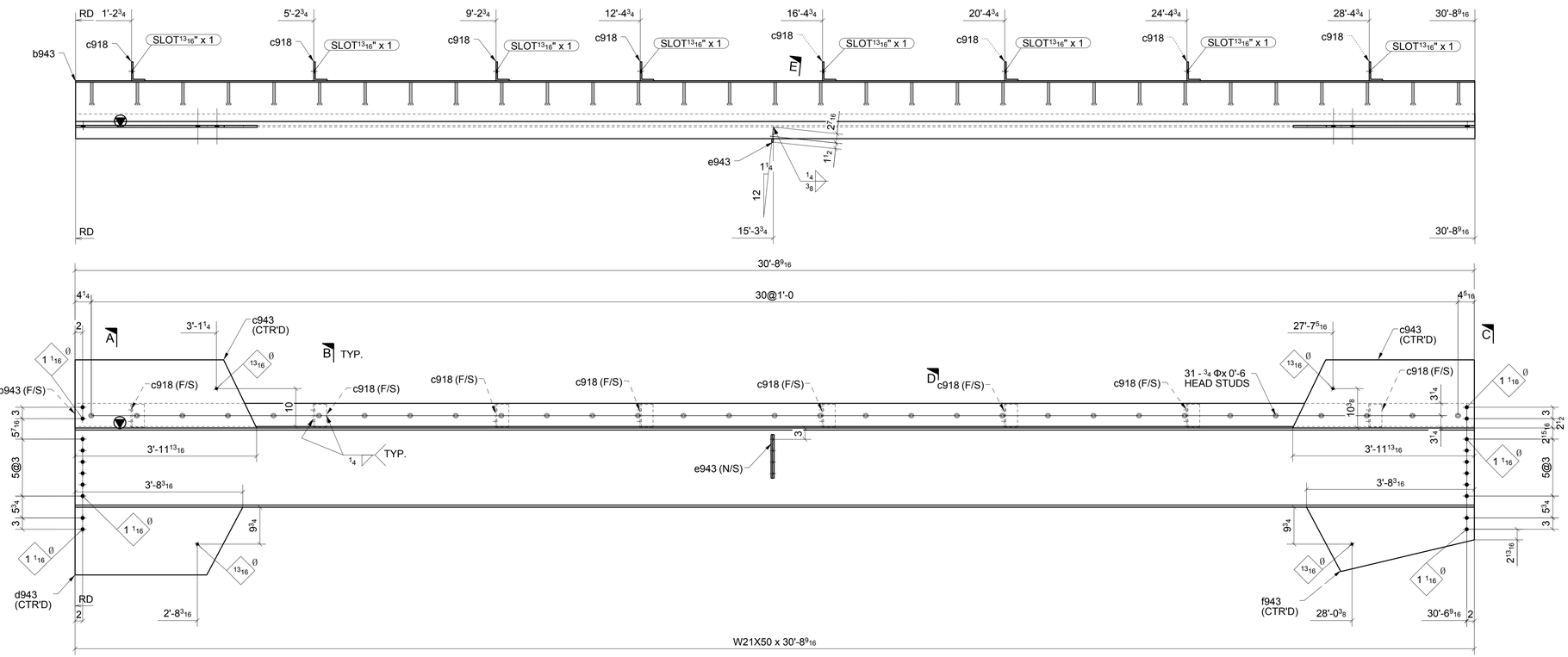
A FOR APPROVAL 07/15/16

Sequence: 9 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: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 942





ONE - BEAM ~ 943A

LOCATION: (REF: E9B)
ONE @ 5-6/F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

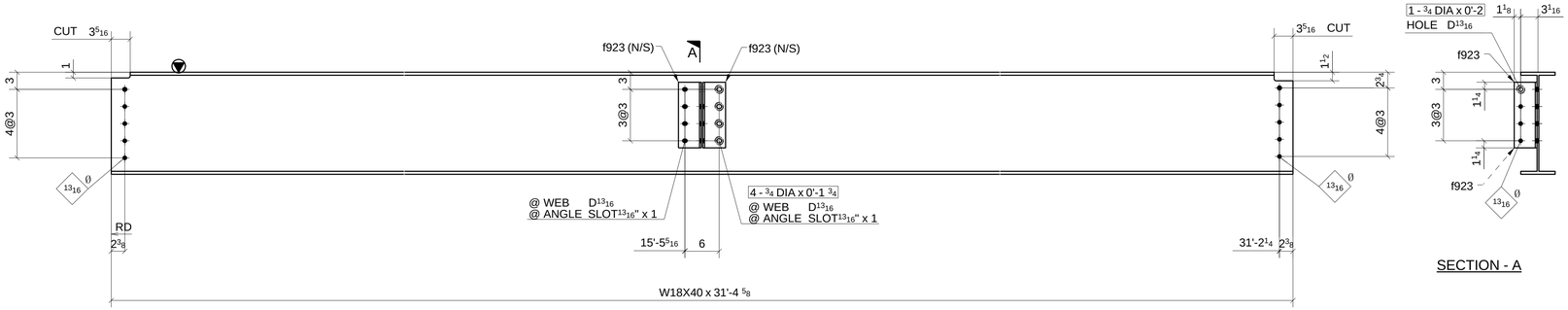
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	943A	W21X50	30'-8 9/16"	A992	
1	b943	BPL3/8"X17 1/4"	30'-8 9/16"	A36	
8	c918	L5X3-1/2X3/8	0'-6"	A36	
2	c943	PL1/2"X17 15/16"	3'-11 13/16	A572-GR.50	
1	d943	PL1/2"X17 7/8"	3'-8 3/16"	A572-GR.50	
1	e943	PL3/8"X3 15/16"	0'-11 1/2"	A36	
1	f943	PL1/2"X17"	3'-8 3/16"	A572-GR.50	
31		3/4" STUD	0'-6"		

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

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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:	

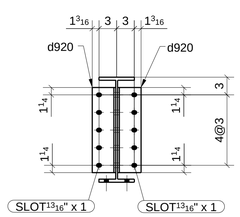
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: ZZ	Date: 07/14/2016 Ckd: LJ Date: 07/18/2016
Job No.	A16013 BAT: DWG#: 943



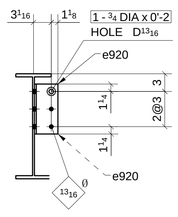
SECTION - A

ONE - BEAM ~ 944A

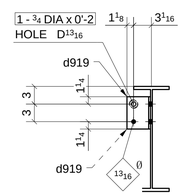
LOCATION: (REF: E9B)
ONE @ 5-6/D-E



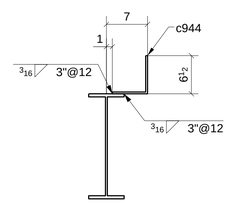
SECTION - B



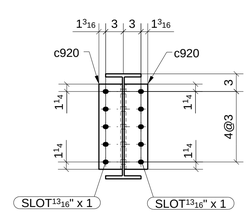
SECTION - C



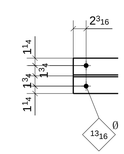
SECTION - D



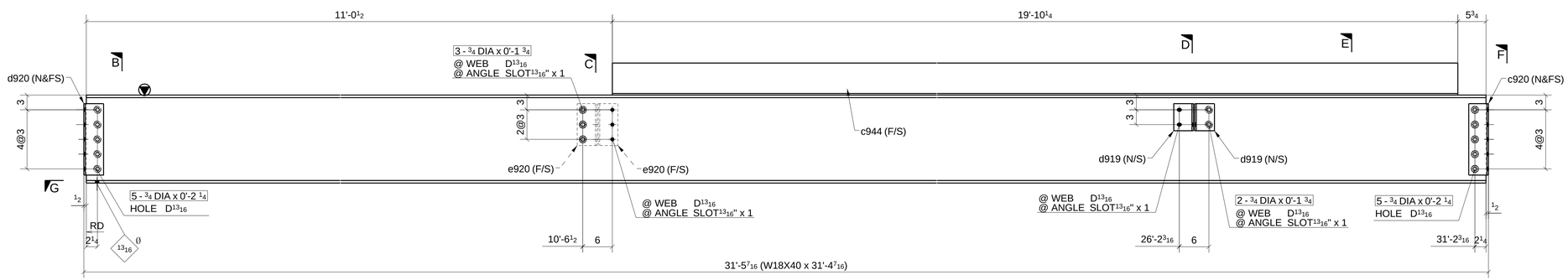
SECTION - E



SECTION - F



SECTION - G



ONE - BEAM ~ 944B

LOCATION: (REF: E9B)
ONE @ 7-8/F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	944A	W18X40	31'-4 5/8"	A992	
2	f923	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	944B	W18X40	31'-4 7/16"	A992	
2	c920	L4X4X5/16	1'-2 1/2"	A36	
1	c944	BPL5/16"X12 1/2"	19'-10 1/4"	A36	
2	d919	L4X4X5/16	0'-5 1/2"	A36	
2	d920	L4X4X5/16	1'-2 1/2"	A36	
2	e920	L4X4X5/16	0'-8 1/2"	A36	
3		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	

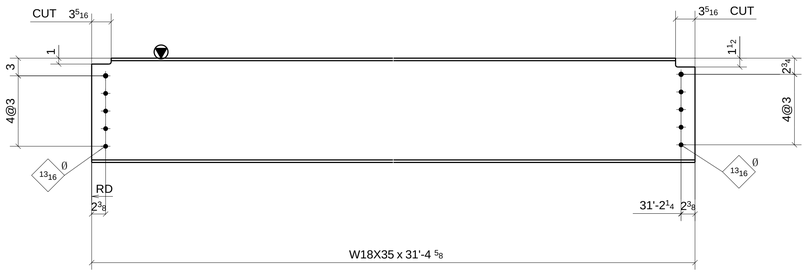
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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.

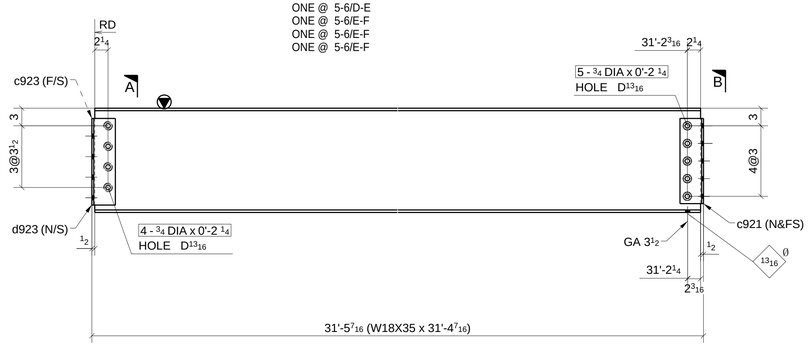
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 944



5 - BEAMS ~ 945A

LOCATION: (REF: E9B)

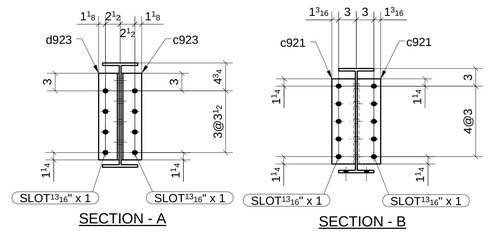
ONE @ 5-6/D-E
ONE @ 5-6/D-E
ONE @ 5-6/E-F
ONE @ 5-6/E-F
ONE @ 5-6/E-F



ONE - BEAM ~ 945B

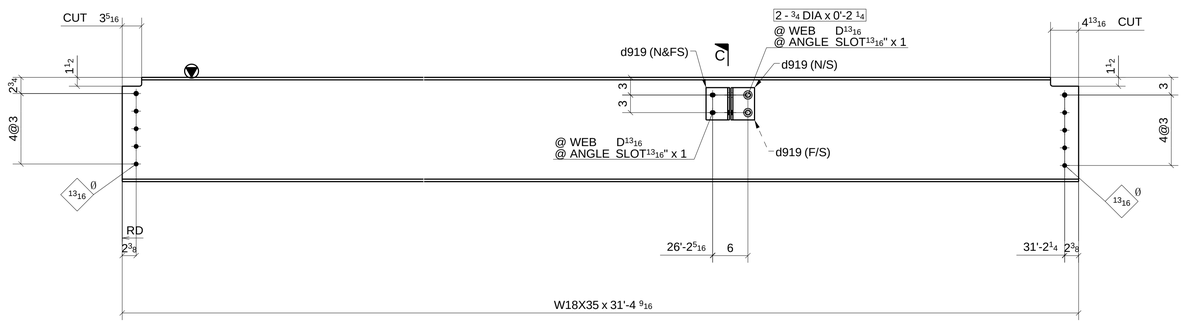
LOCATION: (REF: E9B)

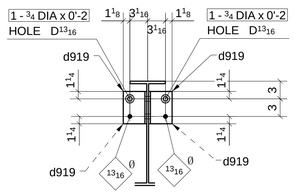
ONE @ 5-6/E



SECTION - A

SECTION - B





SECTION - C

6 - BEAMS ~ 945C

LOCATION: (REF: E9B)

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"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
5	945A	W18X35	31'-4 5/8"	A992	
1	945B	W18X35	31'-4 7/16"	A992	
2	c921	L4X4X5/16	1'-2 1/2"	A36	
1	c923	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	d923	L4X3-1/2X5/16	1'-2 3/4"	A36	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
6	945C	W18X35	31'-4 5/8"	A992	
24	d919	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	

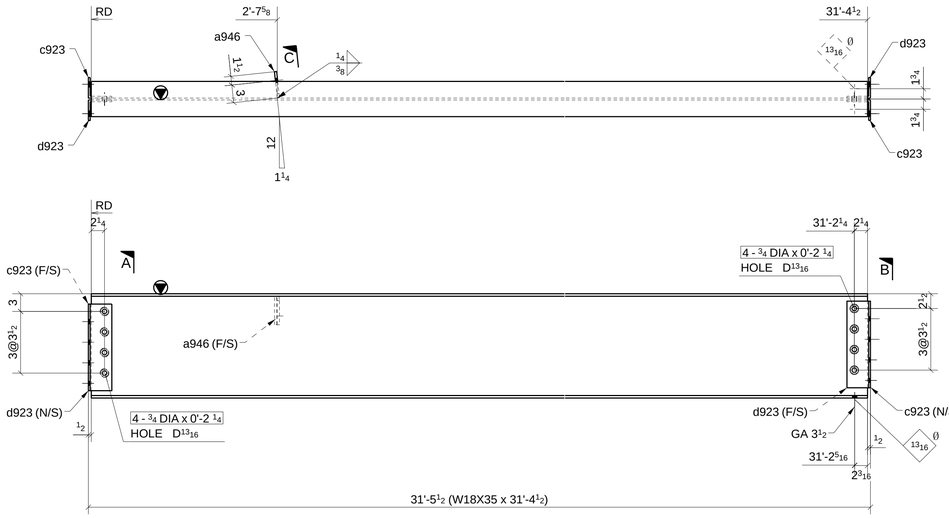
Romac By: Checked By:

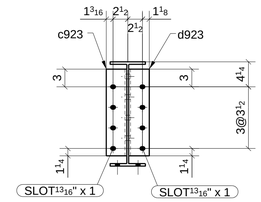
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

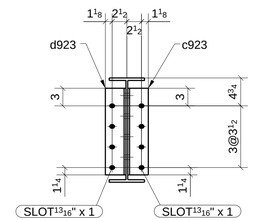
A	FOR APPROVAL 07/15/16
Sequence:	9
Ref. E-Plans:	–
Material:	A992 U.N.O.
Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.
Bolts:	NOTED
Cleaning:	NONE
Paint:	NO
DFT:	
COLOR:	

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: ZZ	Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No.	A16013 BAT: DWG#: 945

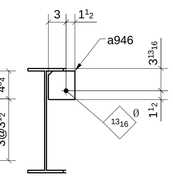




SECTION - B



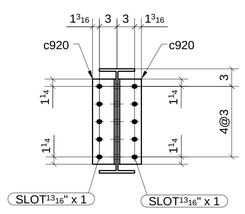
SECTION - A



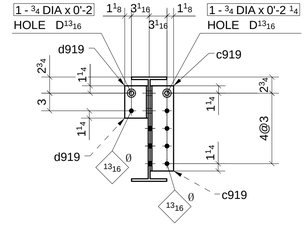
SECTION - C

ONE - BEAM ~ 946A

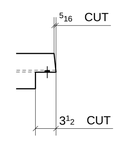
LOCATION: (REF: E9B)
ONE @ 5-6/F



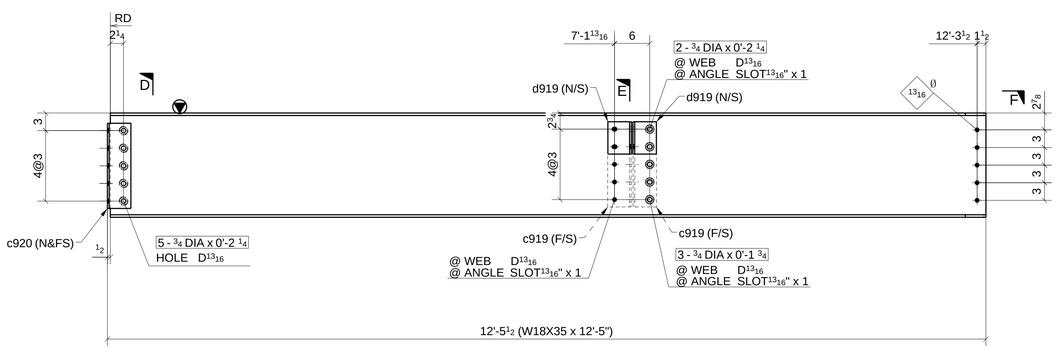
SECTION - D



SECTION - E



SECTION - F



ONE - BEAM ~ 946B

LOCATION: (REF: E9B)
ONE @ 6/F-F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	946A	W18X35	31'-4 1/2"	A992	
1	a946	PL3/8"X4 1/2"	0'-4 7/8"	A36	
2	c923	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	d923	L4X3-1/2X5/16	1'-2 3/4"	A36	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
1	946B	W18X35	12'-5"	A992	
2	c919	L4X4X5/16	1'-2 1/2"	A36	
2	c920	L4X4X5/16	1'-2 1/2"	A36	
2	d919	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	

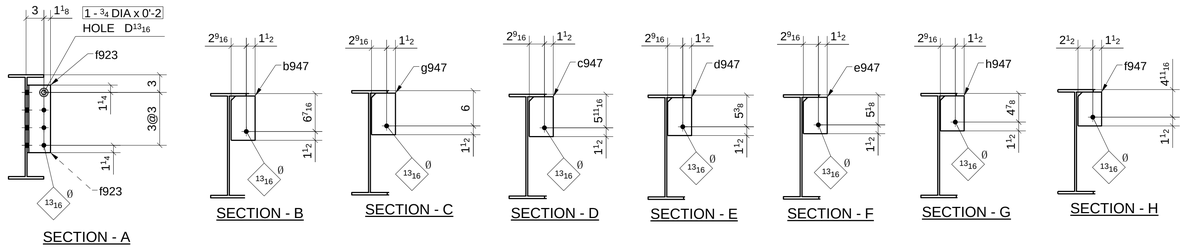
Romac By: Checked By:
Beamline By: Checked By:

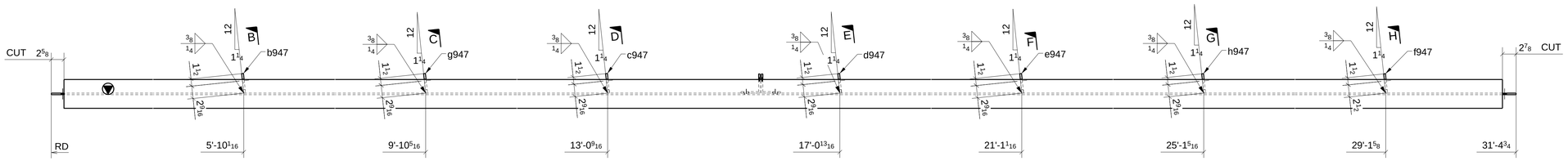
A FOR APPROVAL 07/15/16

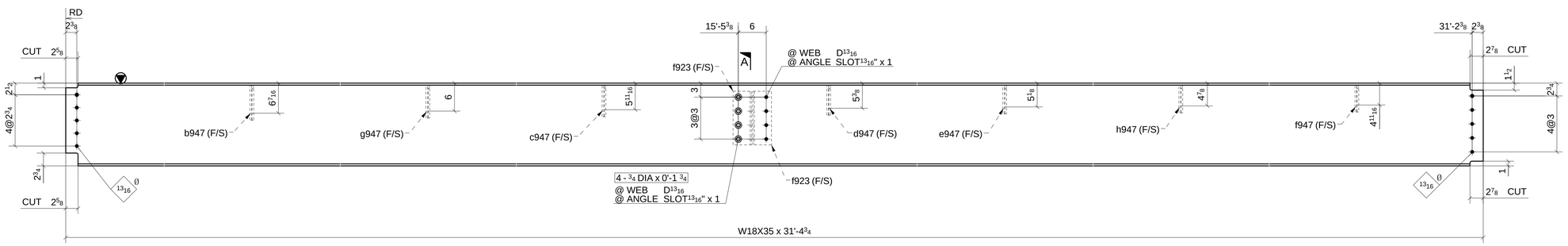
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

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: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 946







ONE - BEAM ~ 947A

LOCATION: (REF: E9B)
ONE @ 5-6/F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	947A	W18X35	31'-4 3/4"	A992	
1	b947	PL3/8"X4 1/16"	0'-7 9/16"	A36	
1	c947	PL3/8"X4 1/16"	0'-6 3/4"	A36	
1	d947	PL3/8"X4 1/16"	0'-6 7/16"	A36	
1	e947	PL3/8"X4 1/16"	0'-6 3/16"	A36	
2	f923	L4X4X5/16	0'-11 1/2"	A36	
1	f947	PL3/8"X4"	0'-5 3/4"	A36	
1	g947	PL3/8"X4 1/16"	0'-7 1/16"	A36	
1	h947	PL3/8"X4 1/16"	0'-5 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	

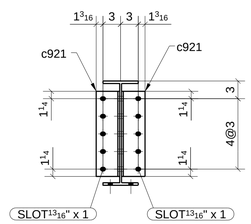
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

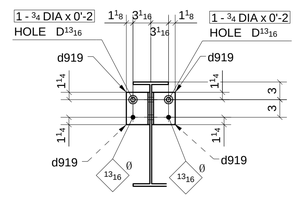
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

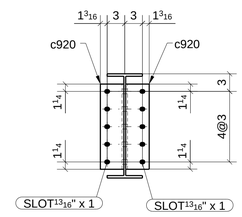
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 947



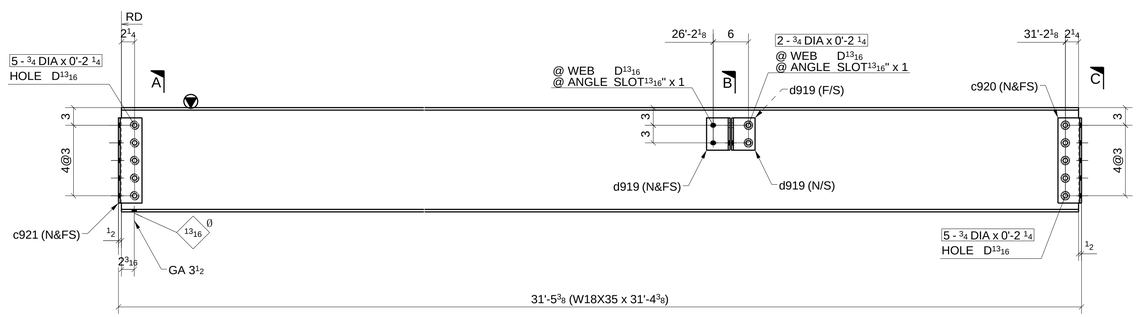
SECTION - A



SECTION - B



SECTION - C



ONE - BEAM ~ 948A

LOCATION: (REF: E9B)
ONE @ 7-8/E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	948A	W18X35	31'-4 3/8"	A992	
2	c920	L4X4X5/16	1'-2 1/2"	A36	
2	c921	L4X4X5/16	1'-2 1/2"	A36	
4	d919	L4X4X5/16	0'-5 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:

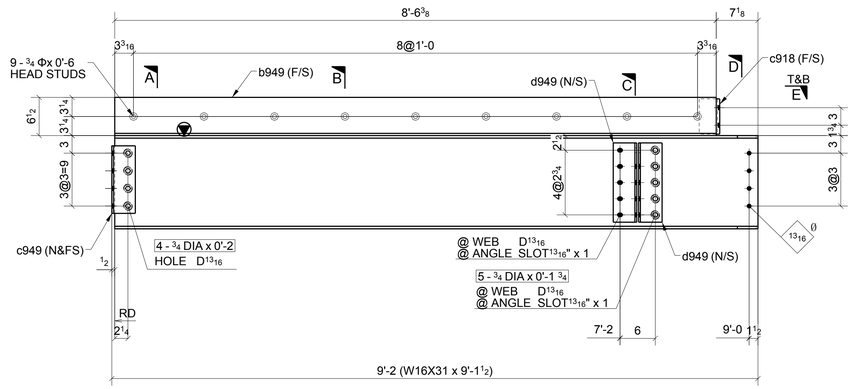
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL	07/15/16

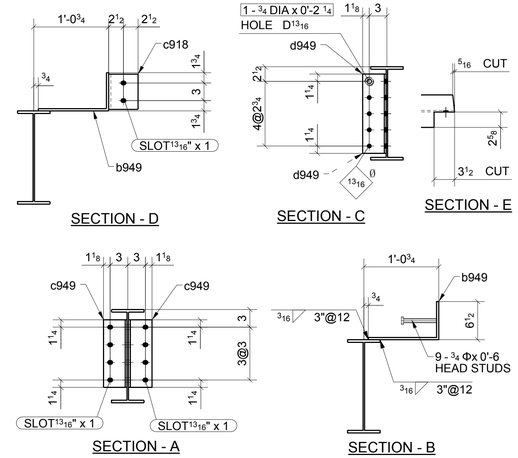
Sequence: 9 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

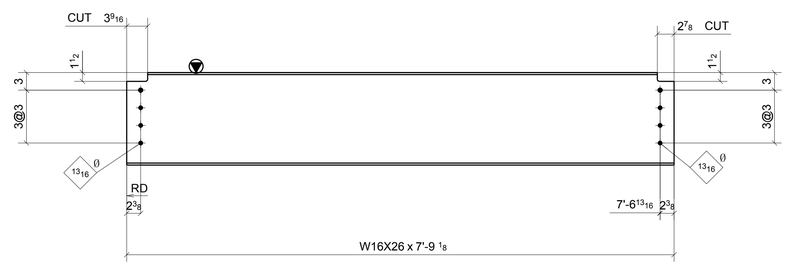
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 948



ONE - BEAM ~ 949A

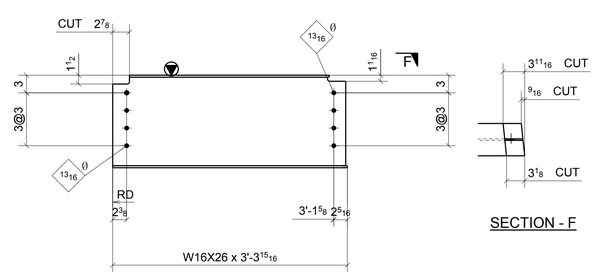
LOCATION: (REF: E9B)
ONE @ 5/F-F.1>





ONE - BEAM ~ 949B

LOCATION: (REF: E9B)
ONE @ 5-6/D-E



ONE - BEAM ~ 949C

LOCATION: (REF: E9B)
ONE @ 5-6/F.1>

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	949A	W16X31	9'-1 1/2"	A992	
1	b949	BPL3/8"X18 1/2"	8'-6 3/8"	A36	
1	c918	L5X3-1/2X3/8	0'-6"	A36	
2	c949	L4X4X5/16	0'-11 1/2"	A36	
2	d949	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	949B	W16X26	7'-9 3/16"	A992	
1	949C	W16X26	3'-3 15/16"	A992	

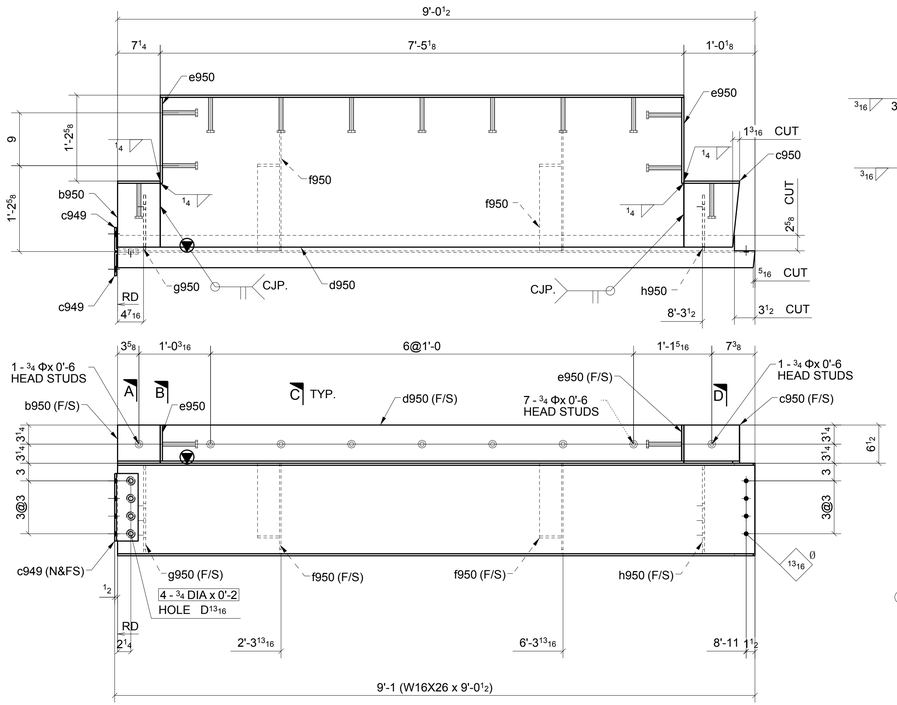
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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:

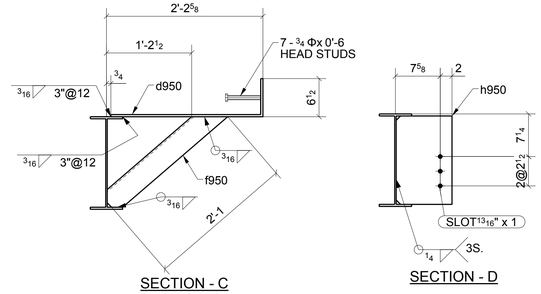
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 949



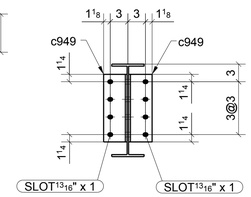
ONE - BEAM ~ 950A

LOCATION: (REF: E9B)
ONE @ 6-7/F.1>

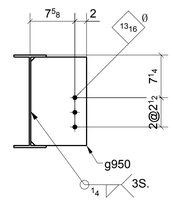


SECTION - C

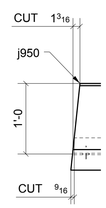
SECTION - D



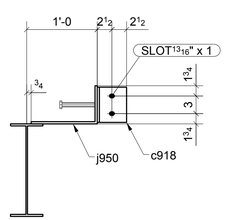
SECTION - A



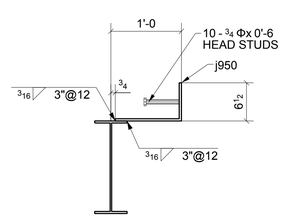
SECTION - B



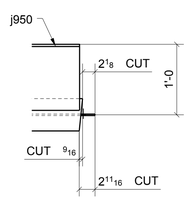
SECTION - E



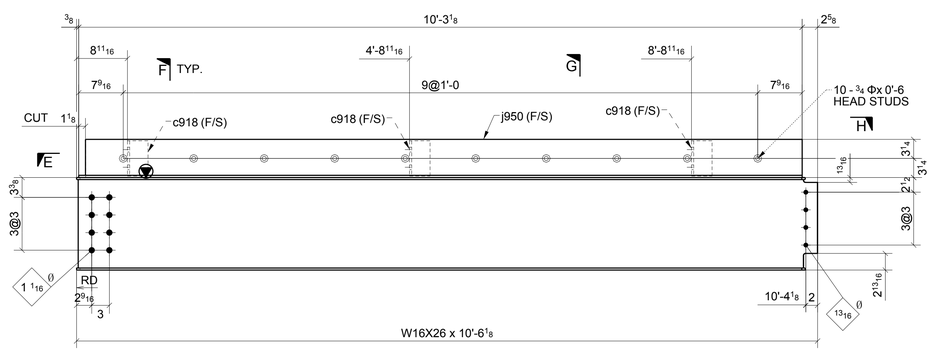
SECTION - F



SECTION - G



SECTION - H



ONE - BEAM ~ 950B

LOCATION: (REF: E9B)
ONE @ <7.2/F.2

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	950A	W16X26	9'-0 1/2"	A992	
1	b950	BPL3/8"X7 1/4"	1'-5 3/4"	A36	
2	c949	L4X4X5/16	0'-11 1/2"	A36	
1	c950	BPL3/8"X9 1/2"	1'-5 3/4"	A36	
1	d950	BPL3/8"X32 3/8"	7'-5 1/8"	A36	
2	e950	PL3/8"X6 1/8"	1'-2 5/8"	A36	
2	f950	L4X4X1/4	2'-1 1/8"	A36	
1	g950	PL3/8"X9 1/2"	1'-3 1/16"	A36	
1	h950	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"		
1	950B	W16X26	10'-6 1/8"	A992	
3	c918	L5X3-1/2X3/8	0'-6"	A36	
1	j950	BPL3/8"X17 3/4"	10'-3 1/8"	A36	
10		3/4" STUD	0'-6"		

FOR APPROVAL

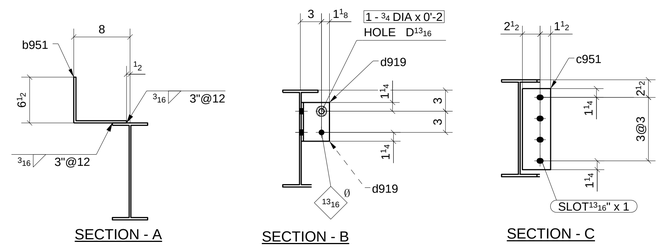
A	FOR APPROVAL	07/15/16

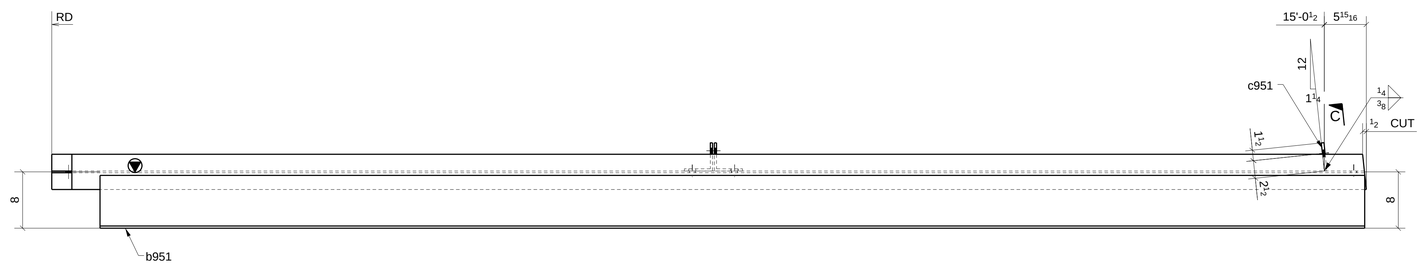
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

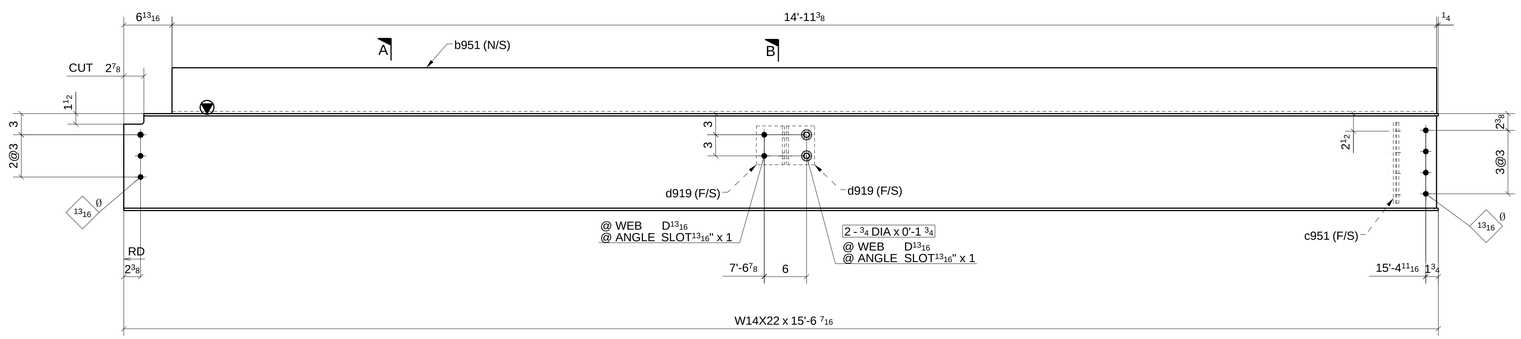
Romac By: Checked By:
Beamline By: Checked By:

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: 07/14/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 950







ONE - BEAM ~ 951A

LOCATION: (REF: E9B)
ONE @ 7.2/<7.3-F.2

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

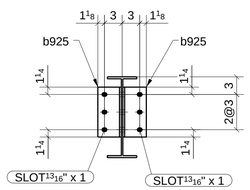
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	951A	W14X22	15'-6 7/16"	A992	
1	b951	BPL5/16"X14"	14'-11 3/8"	A36	
1	c951	PL3/8"X4"	0'-11 1/2"	A36	
2	d919	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	

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

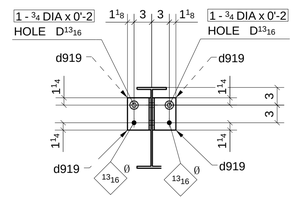
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

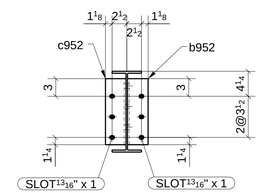
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 951



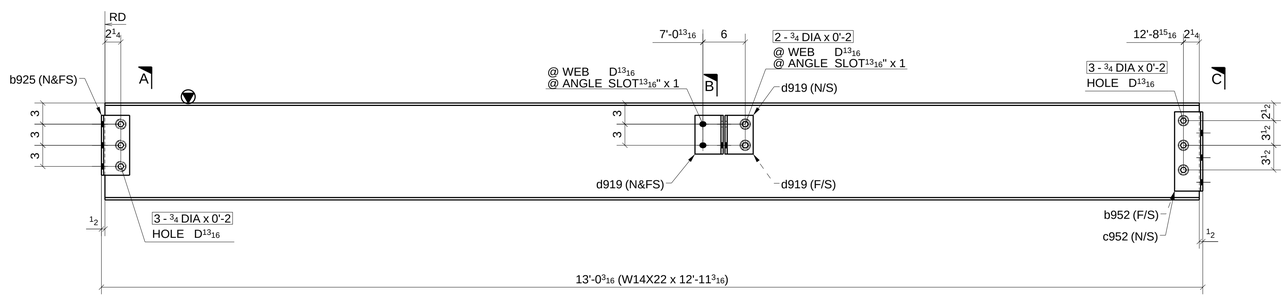
SECTION - A



SECTION - B



SECTION - C



ONE - BEAM ~ 952A

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

(REF: E9B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	952A	W14X22	12'-11 3/16"	A992	
2	b925	L4X4X5/16	0'-8 1/2"	A36	
1	b952	L4X3-1/2X5/16	0'-11 1/4"	A36	
1	c952	L4X3-1/2X5/16	0'-11 1/4"	A36	
4	d919	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 07/15/16

Sequence: 9 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

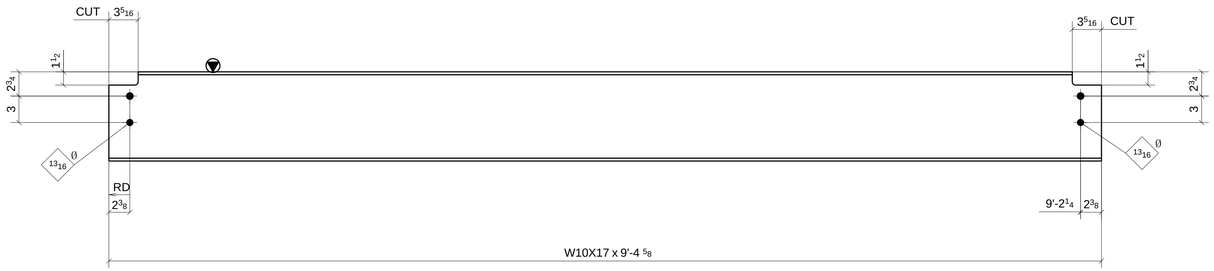
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/15/2016

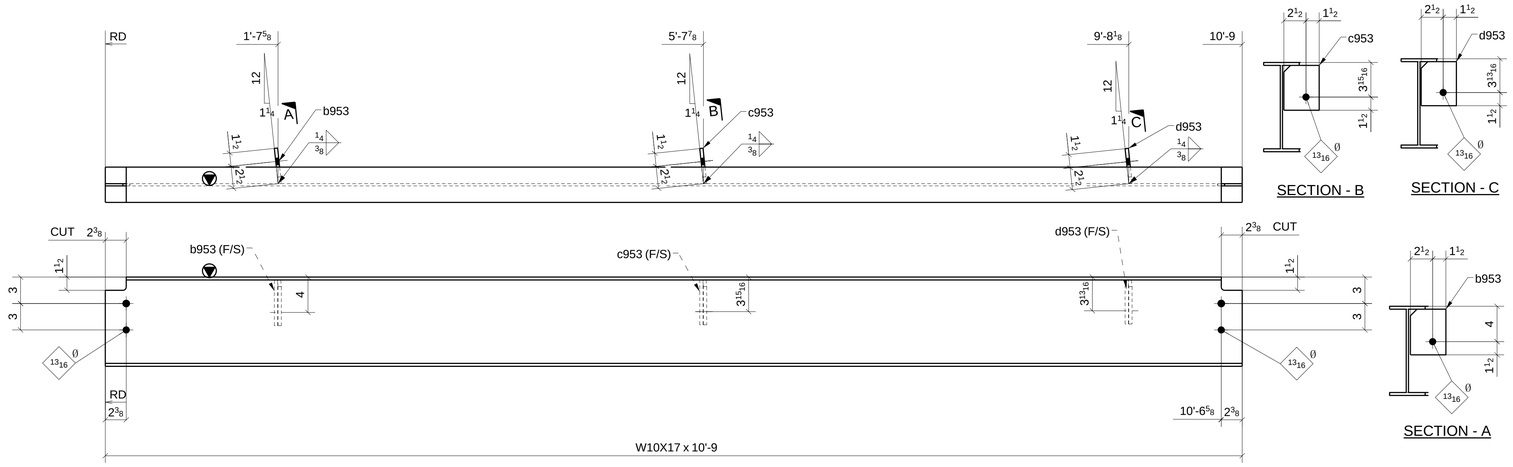
Job No. A16013 BAT: DWG#: 952



6 - BEAMS ~ 953A

LOCATION: (REF: E9B)

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 - BEAM ~ 953B

LOCATION: (REF: E9B)

ONE @ 7-7.1/F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
6	953A	W10X17	9'-4 5/8"	A992	
1	953B	W10X17	10'-9"	A992	
1	b953	PL3/8"X4"	0'-5 3/16"	A36	
1	c953	PL3/8"X4"	0'-5 1/16"	A36	
1	d953	PL3/8"X4"	0'-5"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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

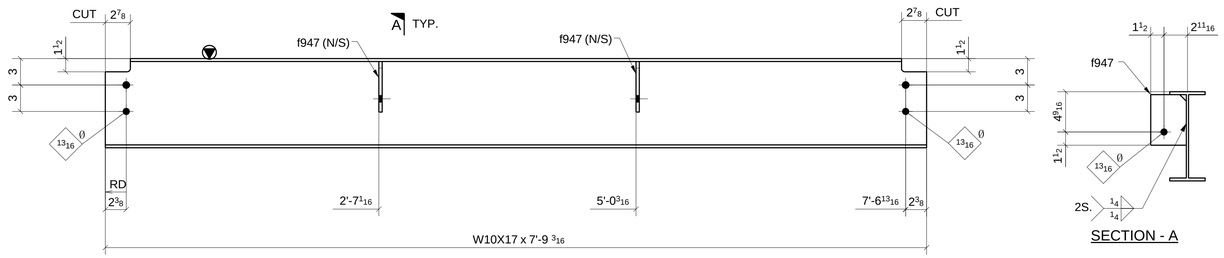
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/15/2016

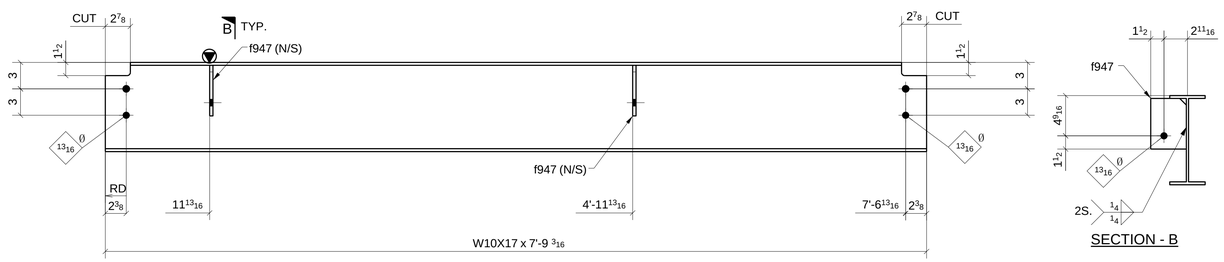
Job No. A16013 BAT: DWG#: 953



SECTION - A

ONE - BEAM ~ 954A

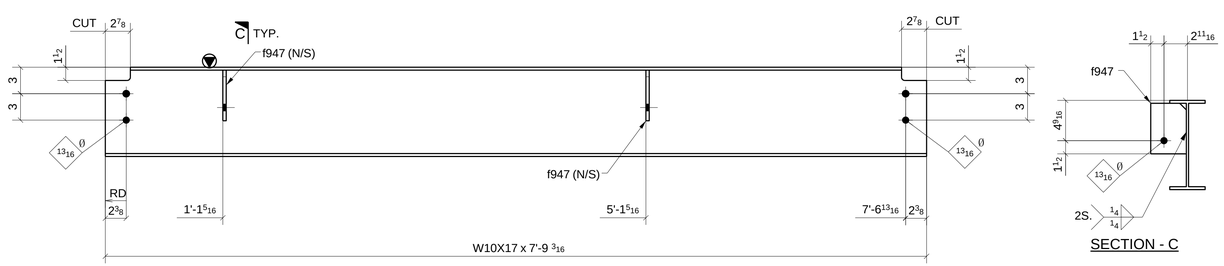
LOCATION: (REF: E9B)
ONE @ 7.1-8/D-E



SECTION - B

ONE - BEAM ~ 954B

LOCATION: (REF: E9B)
ONE @ 7.1-8/D-E



SECTION - C

ONE - BEAM ~ 954C

LOCATION: (REF: E9B)
ONE @ 7.1-8/D-E

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	954A	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	954B	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	954C	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	

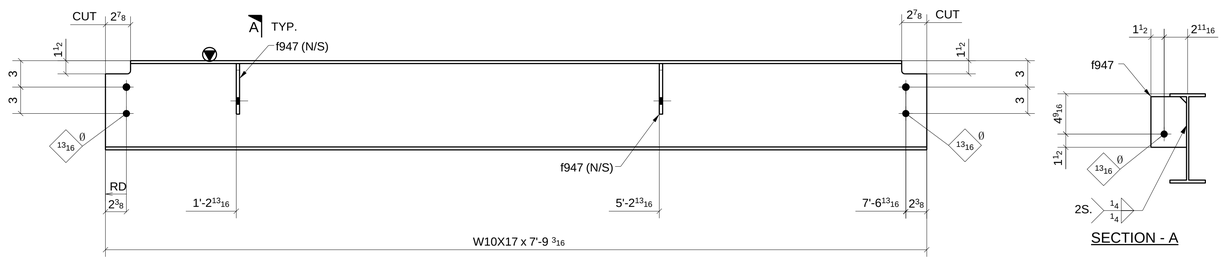
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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:

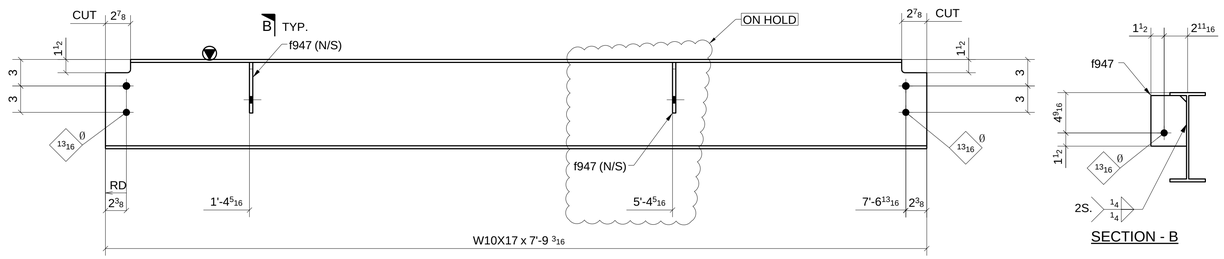
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 954



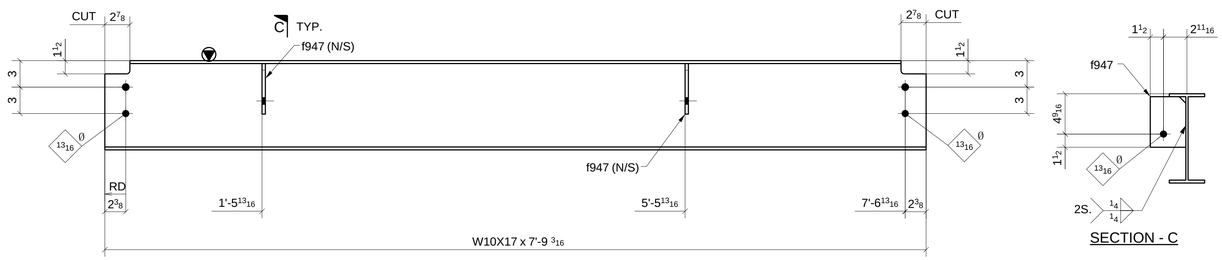
ONE - BEAM ~ 955A

LOCATION: (REF: E9B)
ONE @ 7.1-8/D-E



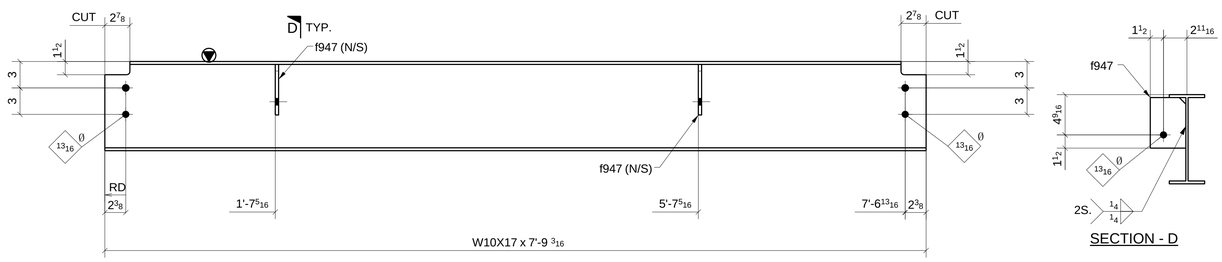
ONE - BEAM ~ 955B

LOCATION: (REF: E9B)
ONE @ 7.1-8/E-F



ONE - BEAM ~ 955C

LOCATION: (REF: E9B)
ONE @ 7.1-8/E-F



ONE - BEAM ~ 955D

LOCATION: (REF: E9B)
ONE @ 7.1-8/E-F

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

A	FOR APPROVAL		07/15/16
Sequence:	9	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:	

MATERIAL LIST

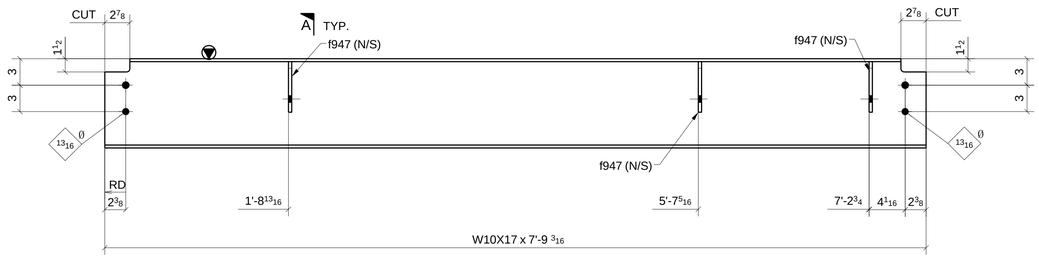
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	955A	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	955B	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	955C	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	955D	W10X17	7'-9 3/16"	A992	
2	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	

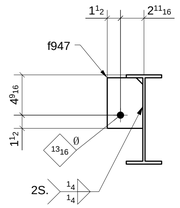
ON HOLD

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: 07/15/2016	Ckd: LJ	Date: 07/18/2016	
Job No.	A16013	BAT:		DWG#: 955	

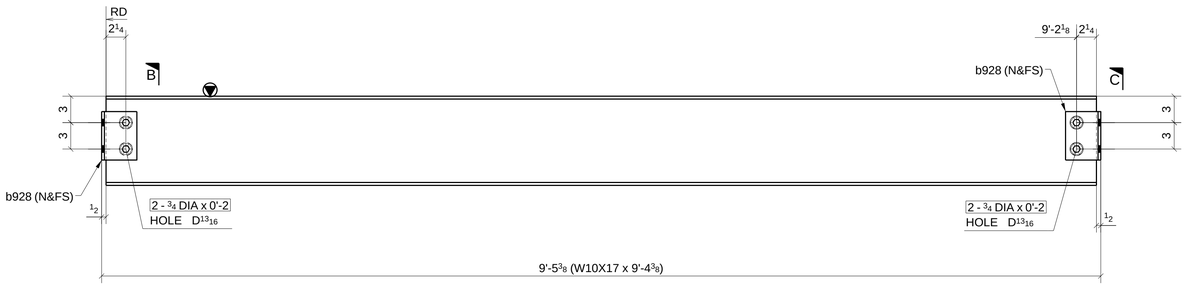


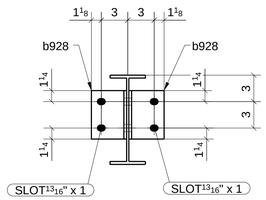


SECTION - A

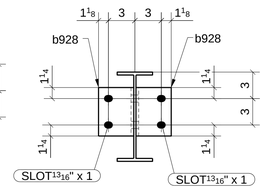
ONE - BEAM ~ 956A

LOCATION: (REF: E9B)
ONE @ 7.1-8/E-F





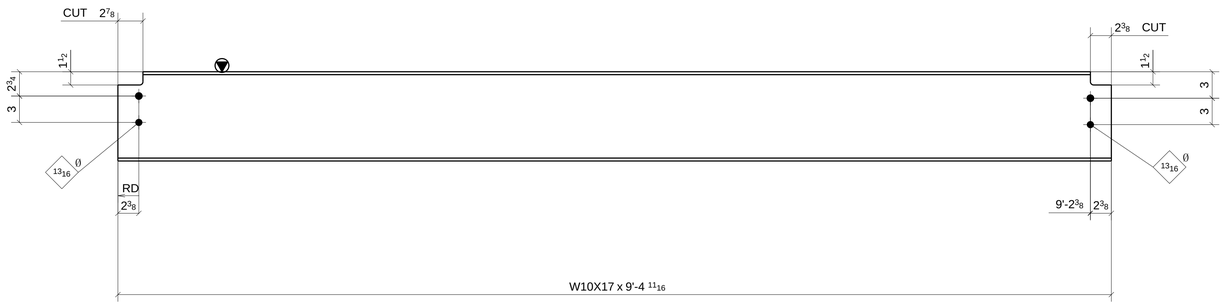
SECTION - B



SECTION - C

ONE - BEAM ~ 956B

LOCATION: (REF: E9B)
ONE @ 6-7/E



ONE - BEAM ~ 956C

LOCATION: (REF: E9B)
ONE @ 6-7/F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	956A	W10X17	7'-9 3/16"	A992	
3	f947	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	956B	W10X17	9'-4 3/8"	A992	
4	b928	L4X4X5/16	0'-5 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	956C	W10X17	9'-4 3/4"	A992	

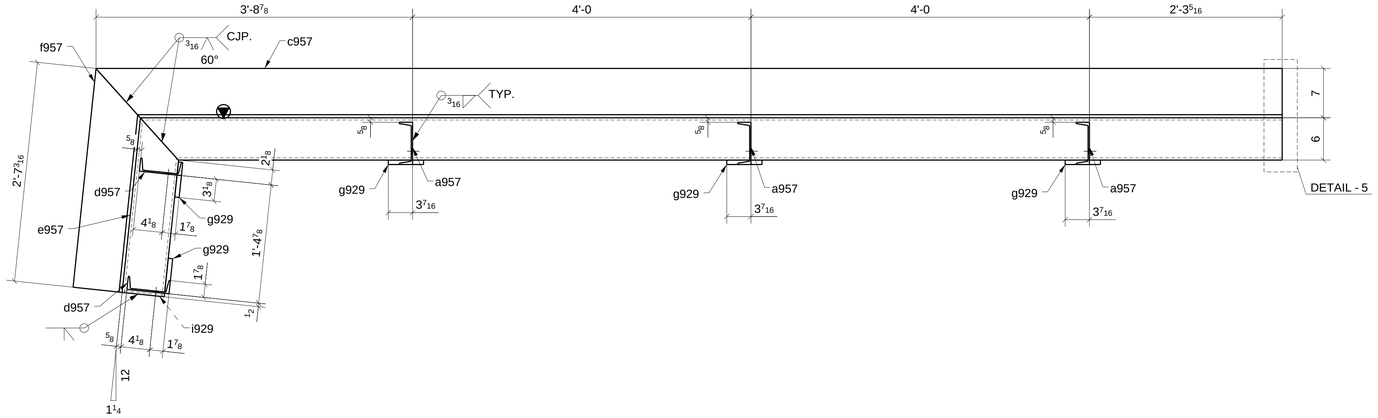
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

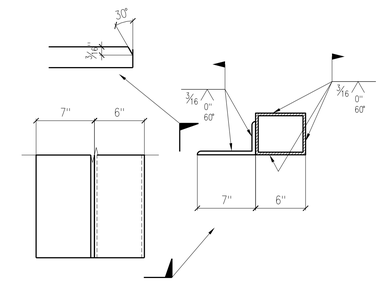
Sequence: 9 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

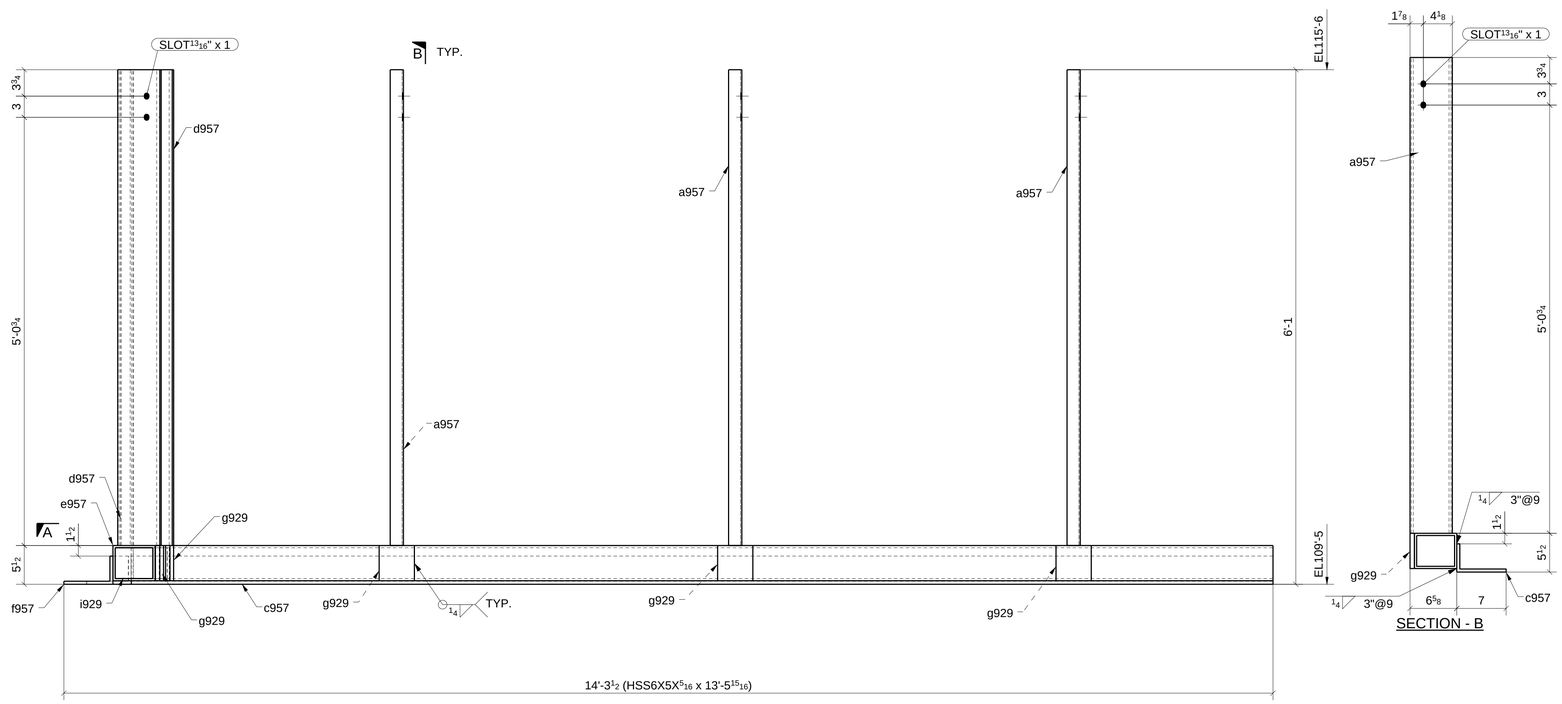
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 956



SECTION - A



DETAIL "5"



SECTION - B

ONE - BEAM ~ 957A

LOCATION: (REF: E9B)
ONE @ <5-6/F.1>

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	957A	HSS6X5X5/16	13'-5 15/16"	A500-GR.B-46	
3	a957	C6X8.2	5'-7 1/2"	A992	
1	c957	L7X4X7/16	14'-0 1/4"	A36	GALV.
2	d957	C6X8.2	5'-7 1/2"	A992	
1	e957	HSS6X5X5/16	2'-0 7/8"	A500-GR.B-46	
1	f957	L7X4X7/16	2'-7 3/16"	A36	GALV.
5	g929	PL5/8"X5"	0'-5"	A36	
1	i929	PL1/4"X4 3/8"	0'-5 3/8"	A36	

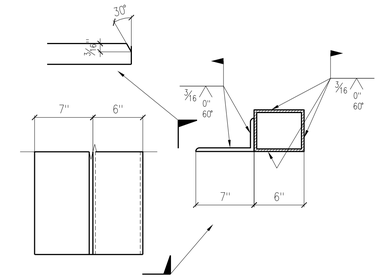
Romac By: Checked By:

Beamline By: Checked By:

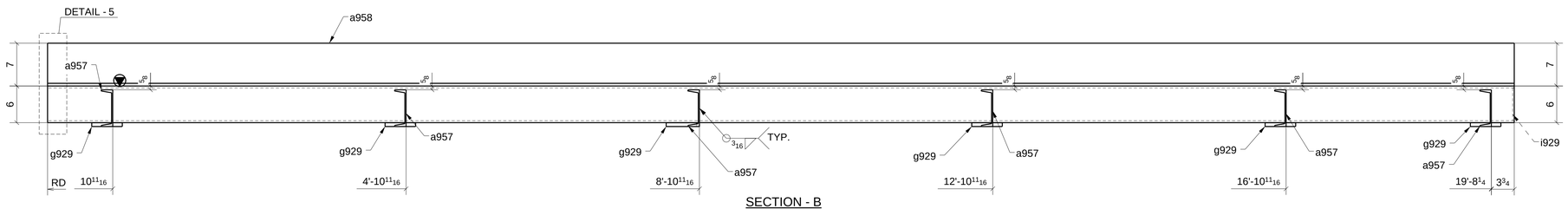
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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:	

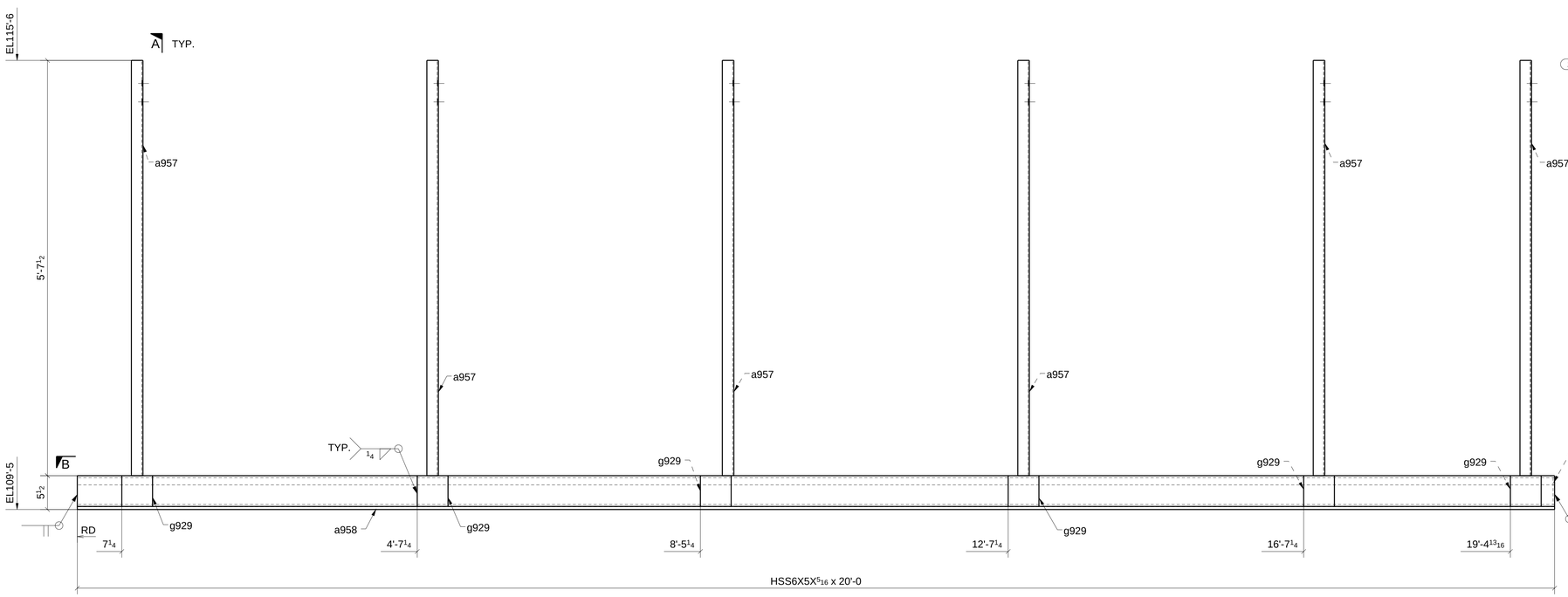
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 957

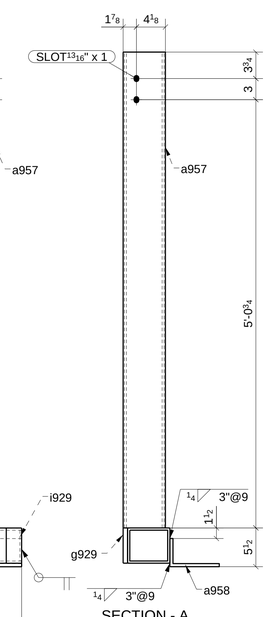


DETAIL "5"



SECTION - B





SECTION - A

ONE - BEAM ~ 958A

LOCATION: (REF: E9B)
ONE @ 5-6/F.1>

MATERIAL LIST

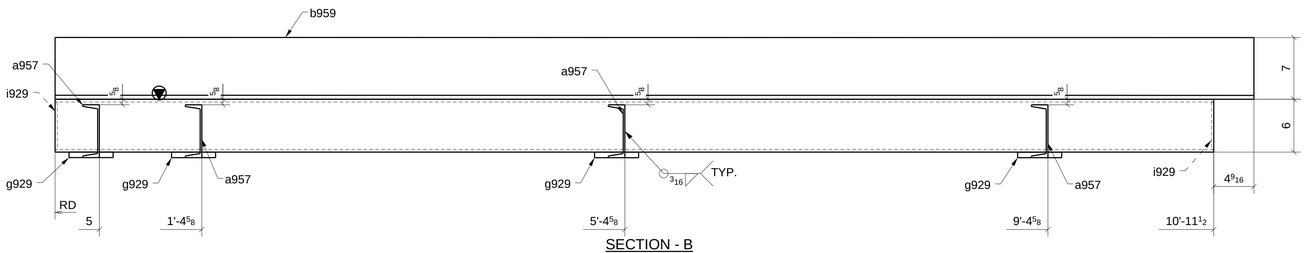
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	958A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
6	a957	C6X8.2	5'-7 1/2"	A992	
1	a958	L7X4X7/16	20'-0"	A36	GALV.
6	g929	PL5/8"X5"	0'-5"	A36	
1	i929	PL1/4"X4 3/8"	0'-5 3/8"	A36	

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

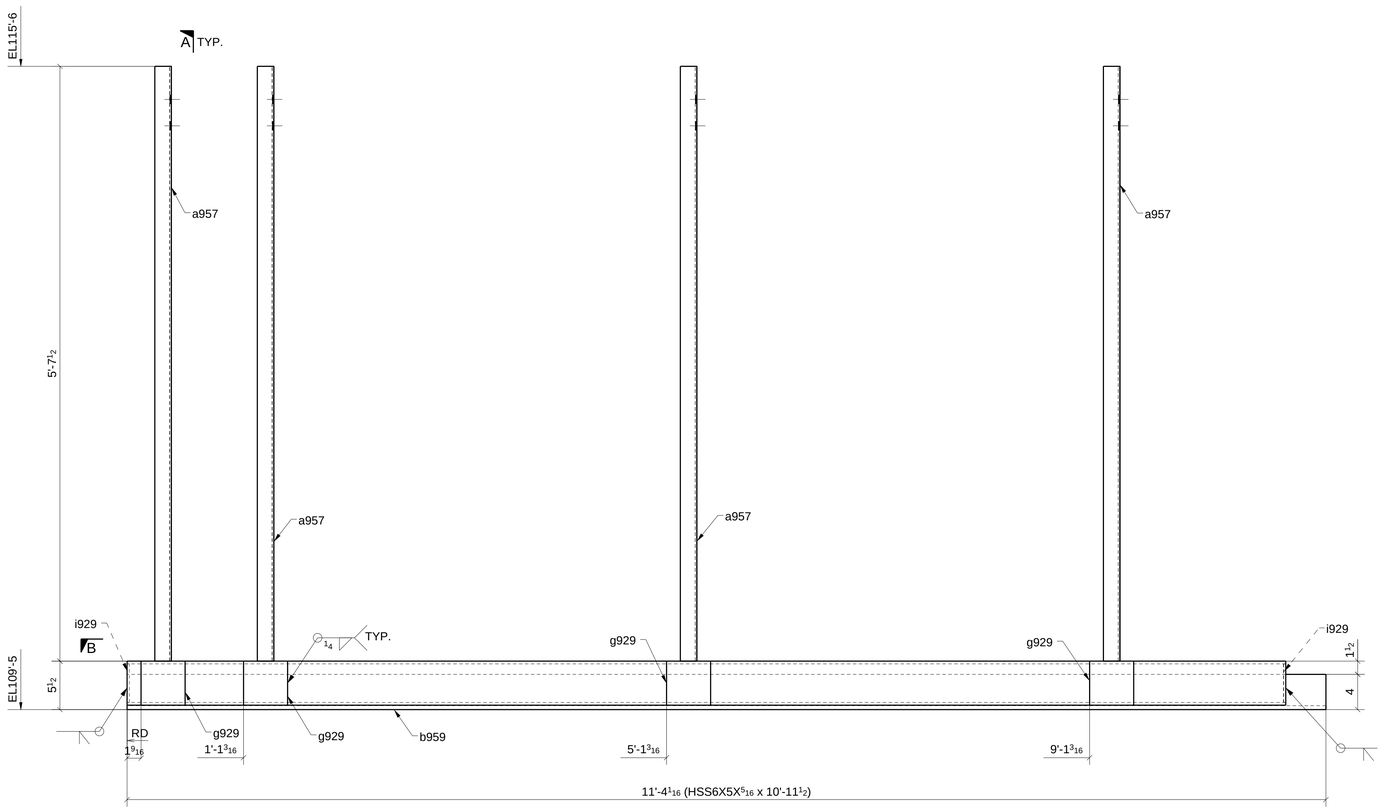
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

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: 07/15/2016 Ckd: LJ Date: 07/15/2016
Job No. A16013 BAT: DWG#: 958

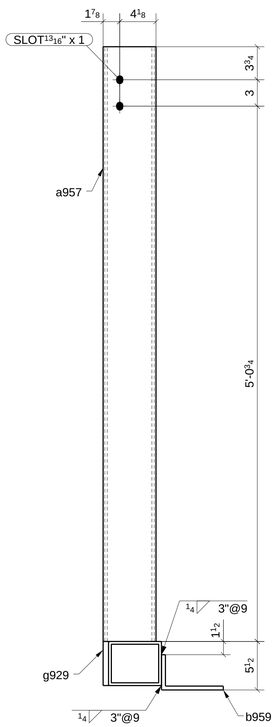


SECTION - B



ONE - BEAM ~ 959A

LOCATION: (REF: E9B)
ONE @ <7.2/F.3



SECTION - A

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	959A	HSS6X5X5/16	10'-11 1/2"	A500-GR.B-46	
4	a957	C6X8.2	5'-7 1/2"	A992	
1	b959	L7X4X7/16	11'-4 1/16"	A36	GALV.
4	g929	PL5/8"X5"	0'-5"	A36	
2	i929	PL1/4"X4 3/8"	0'-5 3/8"	A36	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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

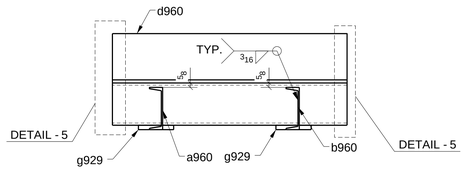
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

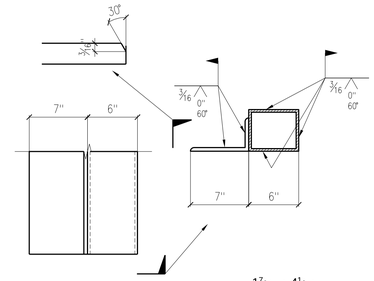
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/15/2016

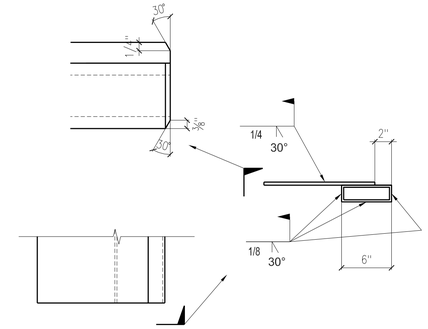
Job No. A16013 BAT: DWG#: 959



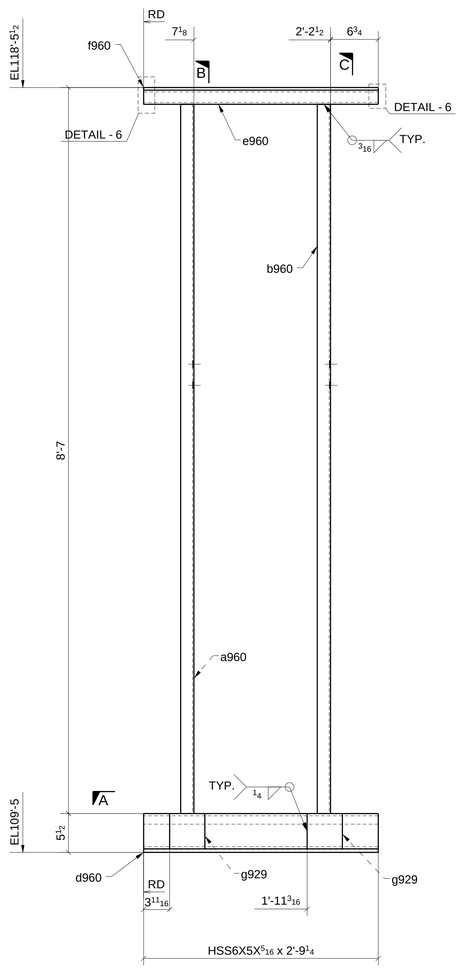
SECTION - A



DETAIL "5"



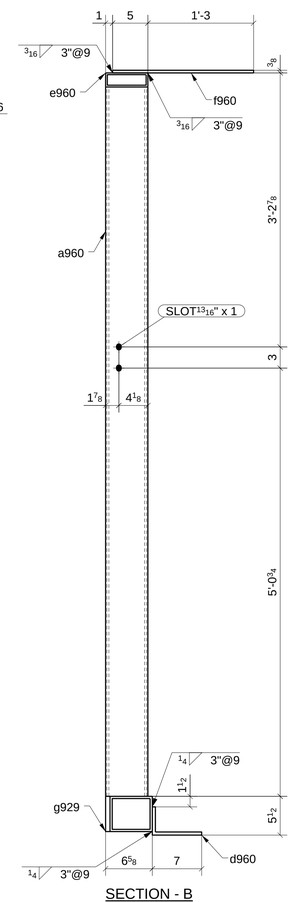
DETAIL "6"



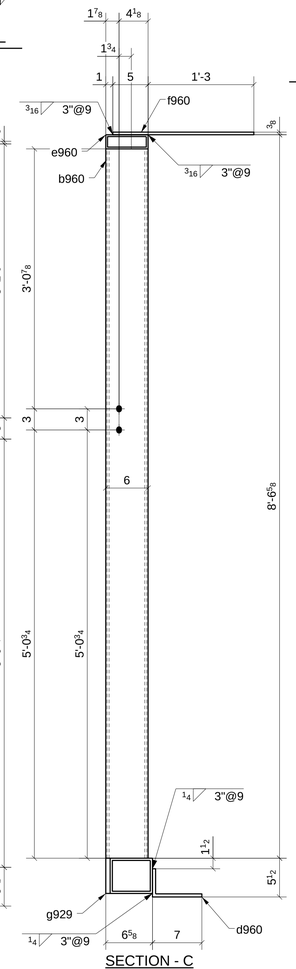
ONE - BEAM ~ 960A

LOCATION:
ONE @ 8/E-F

(REF: E9B)



SECTION - B



SECTION - C

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	960A	HSS6X5X5/16	2'-9 1/4"	A500-GR.B-46	
1	a960	C6X8.2	8'-4 5/8"	A992	
1	b960	C6X8.2	8'-4 5/8"	A992	
1	d960	L7X4X7/16	2'-9 1/4"	A36	GALV.
1	e960	HSS6X2X1/4	2'-9 5/16"	A500-GR.B-46	
1	f960	PL3/8"X20"	2'-9 5/16"	A36	
2	g929	PL5/8"X5"	0'-5"	A36	

FOR APPROVAL

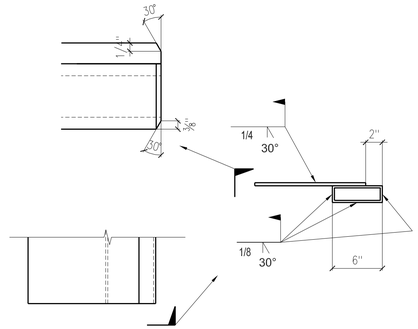
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	--
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Romac By: Checked By:

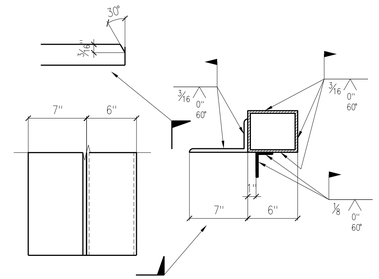
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

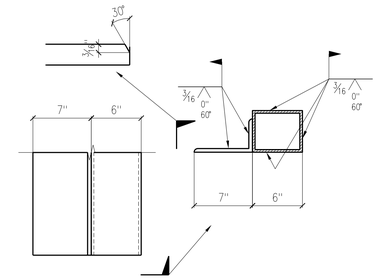
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 960



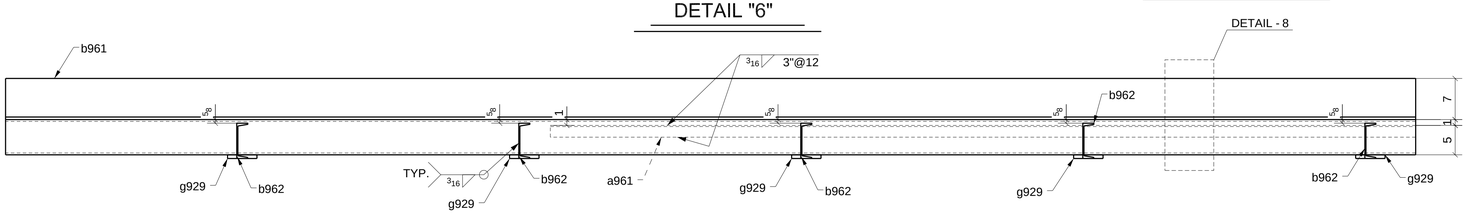
DETAIL "6"



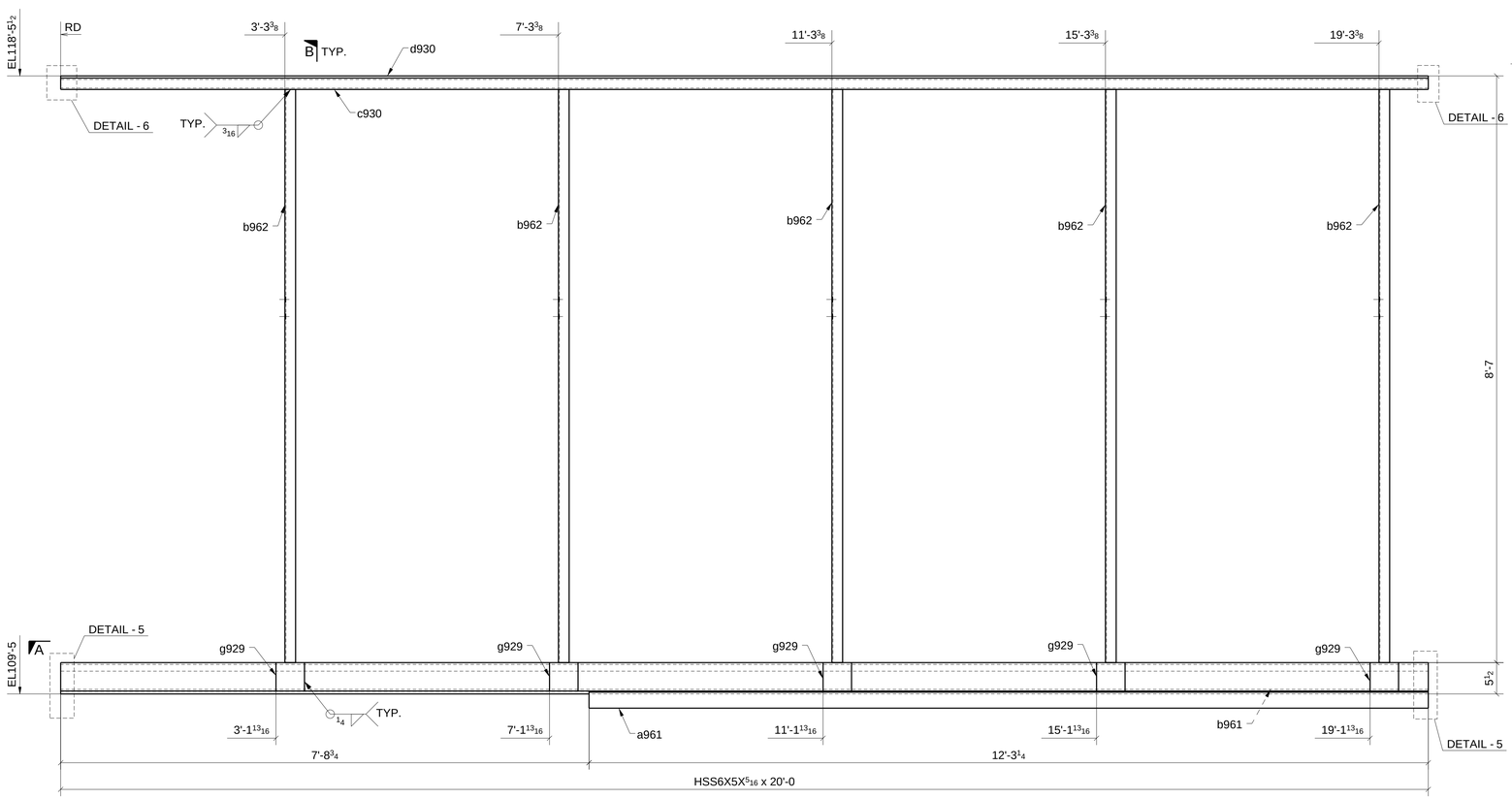
DETAIL "8"



DETAIL "5"

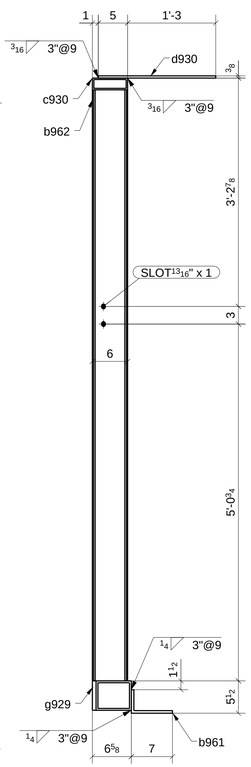


SECTION - A



ONE - BEAM ~ 961A

LOCATION: (REF: E9B)
ONE @ 8/E-F



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	961A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a961	L3X2X3/16	12'-3 1/4"	A36	GALV.
1	b961	L7X4X7/16	20'-0"	A36	GALV.
5	b962	C6X8.2	8'-4 5/8"	A992	
1	c930	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	d930	PL3/8"X20"	20'-0"	A36	
5	g929	PL5/8"X5"	0'-5"	A36	

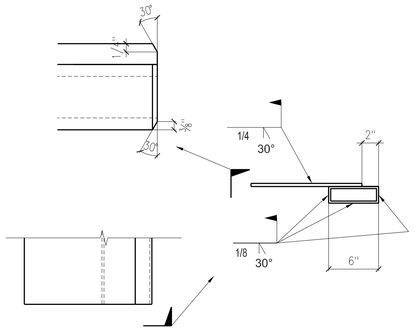
Romac By: Checked By:

Beamline By: Checked By:

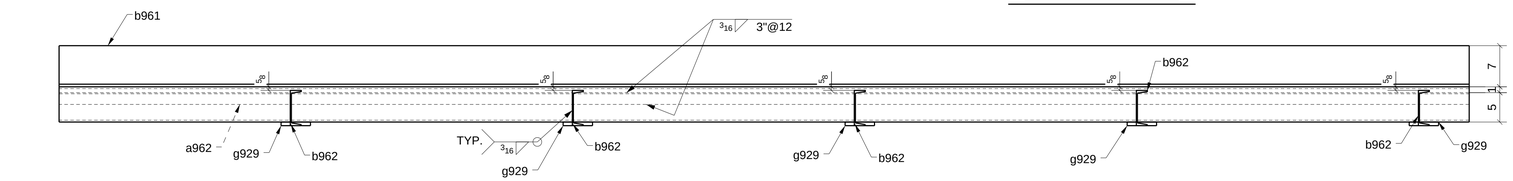
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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:	

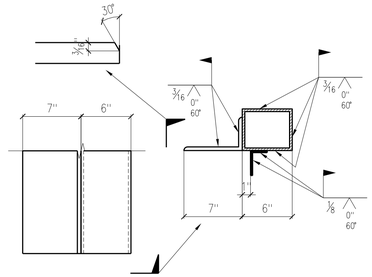
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn: ZZ	Date: 07/15/2016	Ckd: LJ	Date: 07/18/2016		
Job No. A16013	BAT:	DWG#: 961			



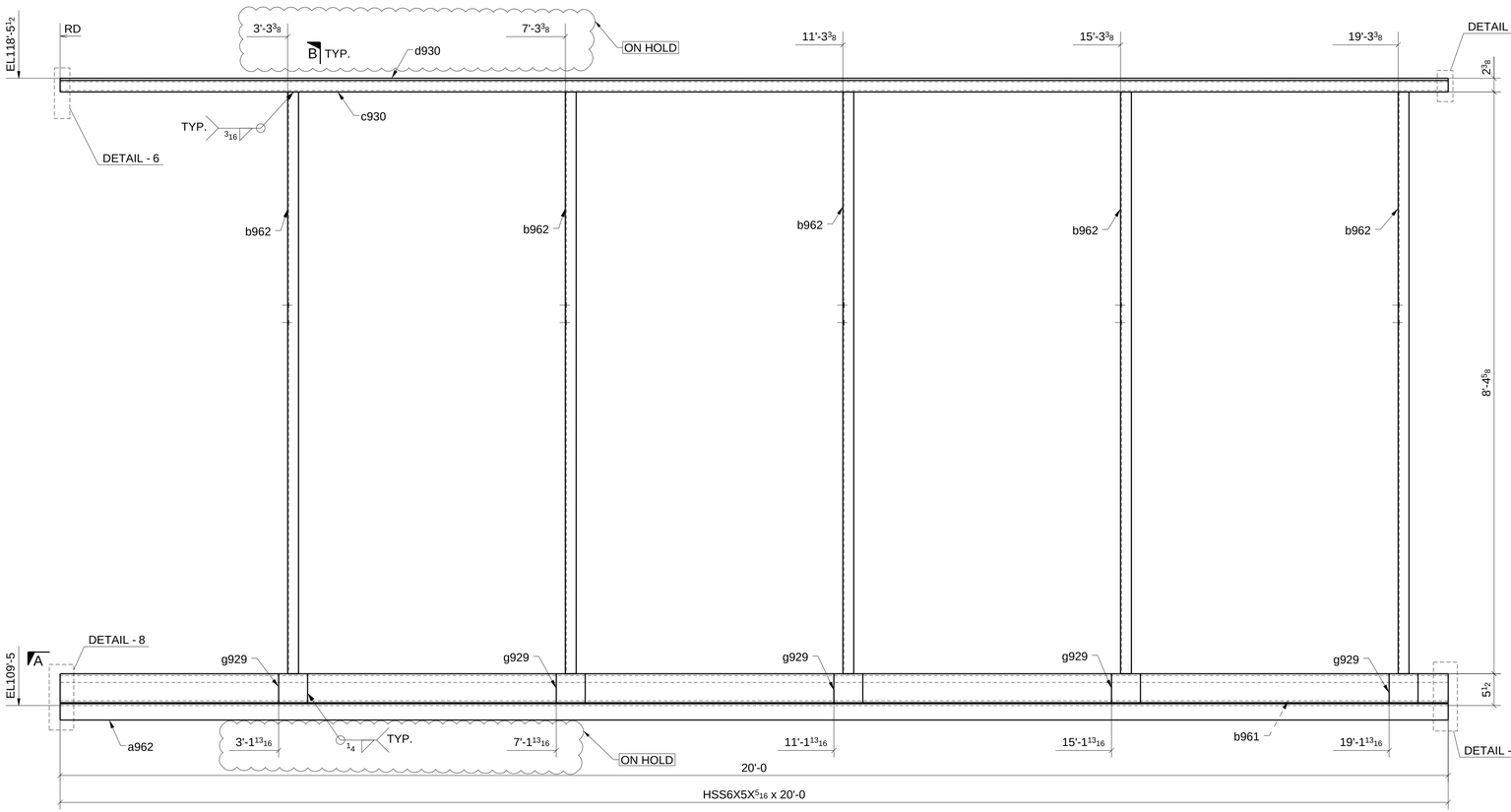
DETAIL "6"



SECTION - A

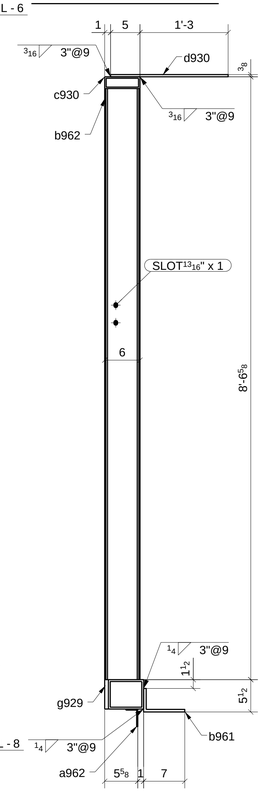


DETAIL "8"



ONE - BEAM ~ 962A

LOCATION: (REF: E9B)
ONE @ 8/D-F



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	962A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a962	L3X2X3/16	20'-0"	A36	GALV.
1	b961	L7X4X7/16	20'-0"	A36	GALV.
5	b962	C6X8.2	8'-4 5/8"	A992	
1	c930	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	d930	PL3/8"X20"	20'-0"	A36	
5	g929	PL5/8"X5"	0'-5"	A36	

ON HOLD

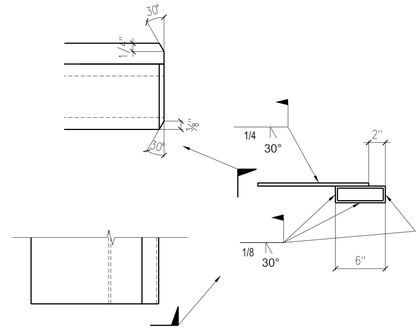
Romac By: Checked By:

Beamline By: Checked By:

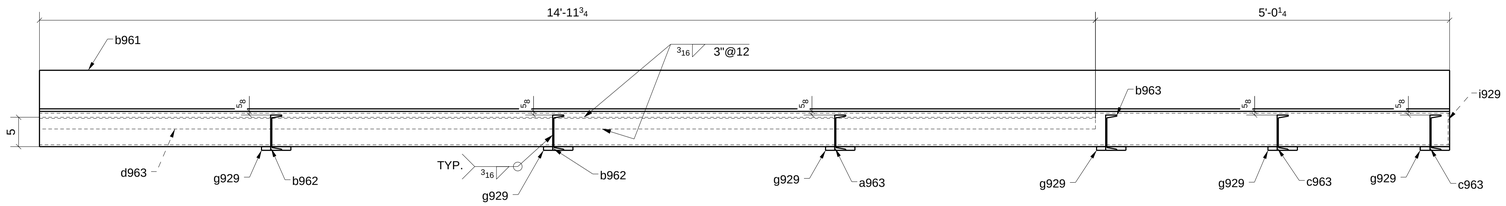
ATLAS IRON WORKS
ST. LOUIS, MO.

A	FOR APPROVAL		07/15/16
Sequence:	9	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:	

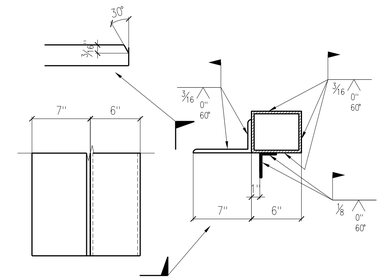
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	ZZ	Date: 07/15/2016	Ckd: LJ	Date:	07/18/2016
Job No.	A16013	BAT:		DWG#:	962



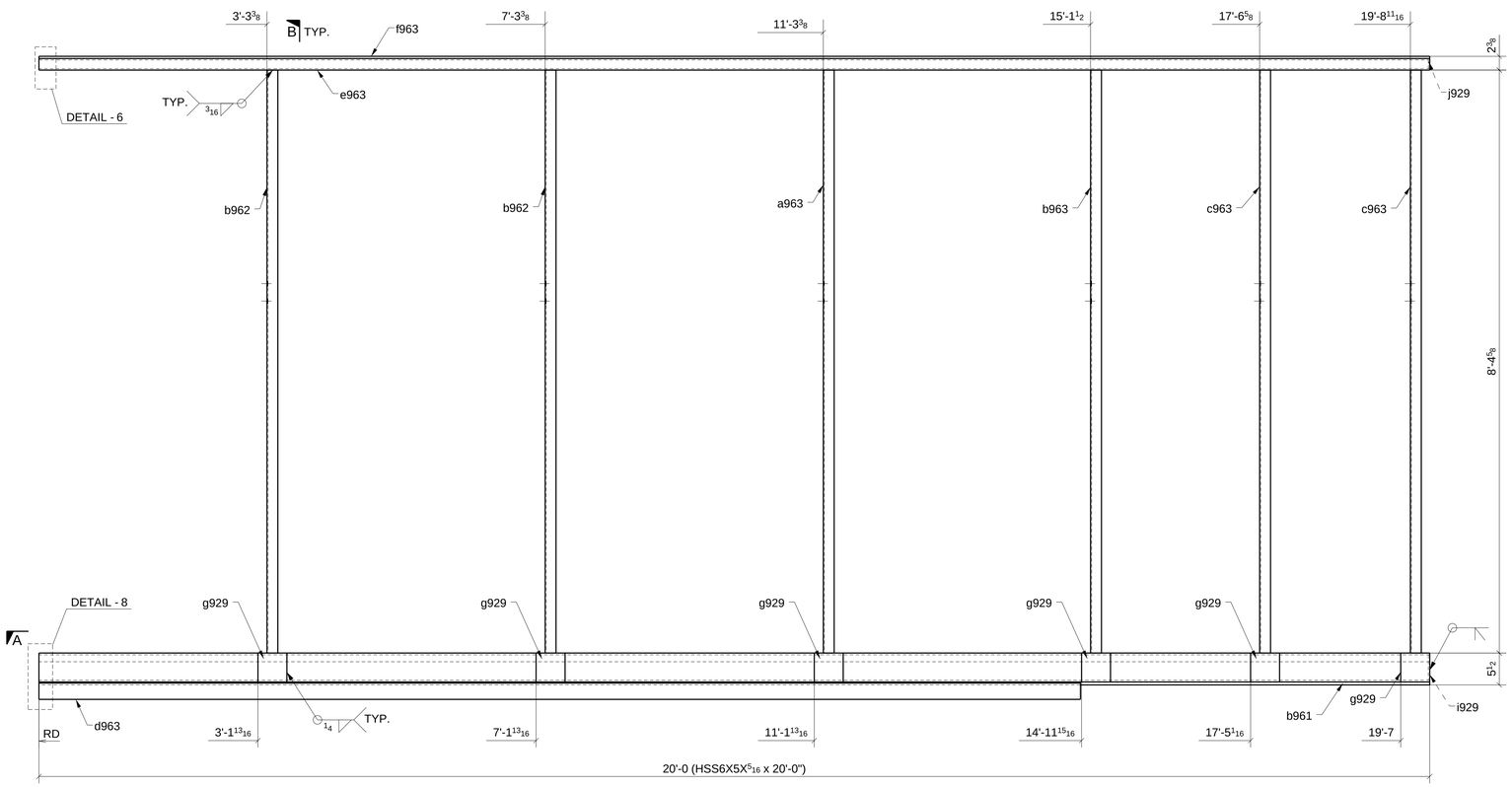
DETAIL "6"

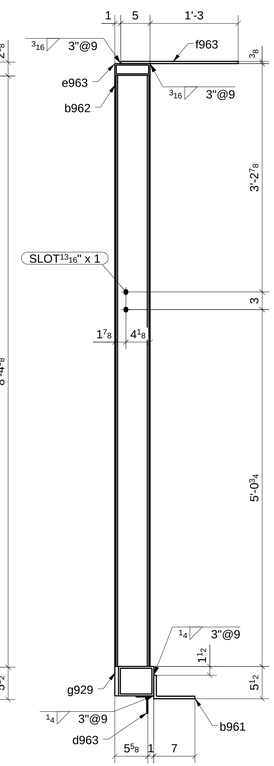


SECTION - A



DETAIL "8"





SECTION - B

ONE - BEAM ~ 963A

LOCATION: (REF: E9B)
ONE @ 8/D-E

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	963A	HSS6X5X5/16	20'-0"	A500-GR.B-46	
1	a963	C6X8.2	8'-4 5/8"	A992	
1	b961	L7X4X7/16	20'-0"	A36	GALV.
2	b962	C6X8.2	8'-4 5/8"	A992	
1	b963	C6X8.2	8'-4 5/8"	A992	
2	c963	C6X8.2	8'-4 5/8"	A992	
1	d963	L3X2X3/16	14'-11 3/4"	A36	GALV.
1	e963	HSS6X2X1/4	20'-0"	A500-GR.B-46	
1	f963	PL3/8"X20"	20'-0"	A36	
6	g929	PL5/8"X5"	0'-5"	A36	
1	i929	PL1/4"X4 3/8"	0'-5 3/8"	A36	
1	j929	PL1/4"X1 1/2"	0'-5 1/2"	A36	

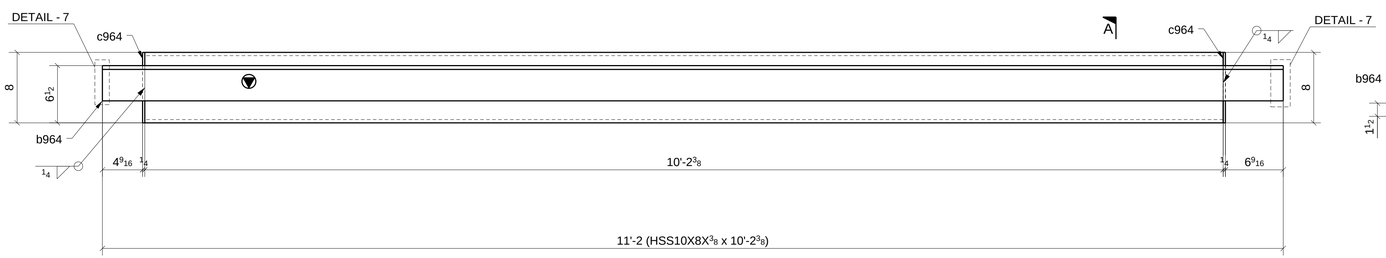
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 07/15/16

Sequence: 9 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:

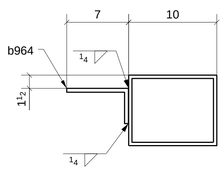
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 963

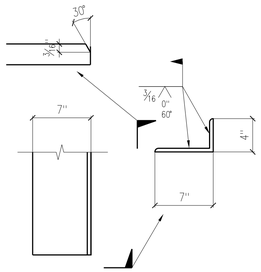


ONE - BEAM ~ 964A

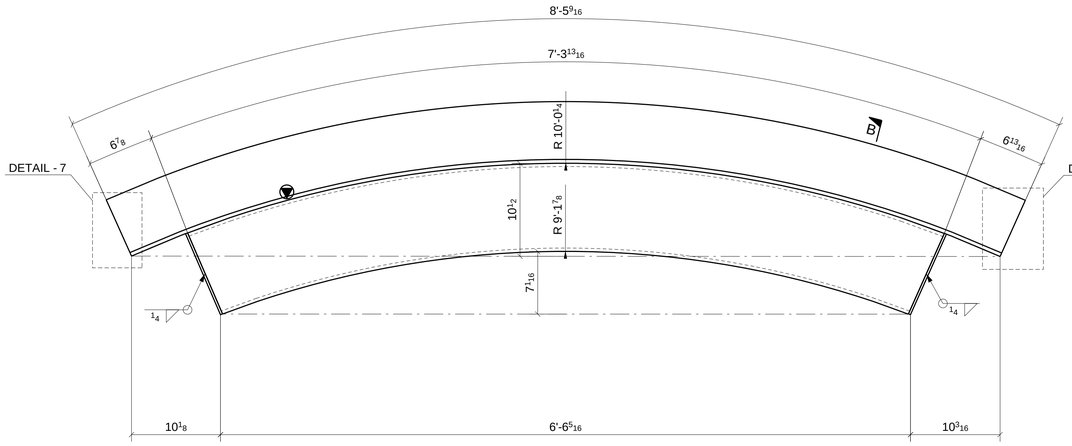
LOCATION: (REF: E9B)
ONE @ 7.2-7.3/F.3-F.4



SECTION - A

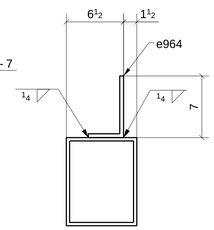


DETAIL "7"

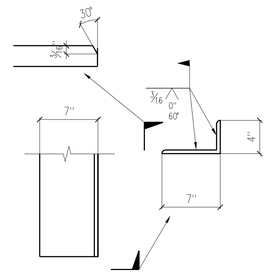


ONE - BEAM ~ 964B

LOCATION: (REF: E9B)
ONE @ 7.3-7.4/F.3-F.4



SECTION - B



DETAIL "7"

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	964A	HSS10X8X3/8	10'-2 3/8"	A500-GR.B-46	
1	b964	L7X4X7/16	11'-2"	A36	GALV.
2	c964	PL1/4"X8"	0'-10"	A36	
1	964B	HSS10X8X3/8	7'-0 3/16"	A500-GR.B-46	
2	c964	PL1/4"X8"	0'-10"	A36	
1	e964	L7X4X7/16	8'-5 9/16"	A36	GALV.

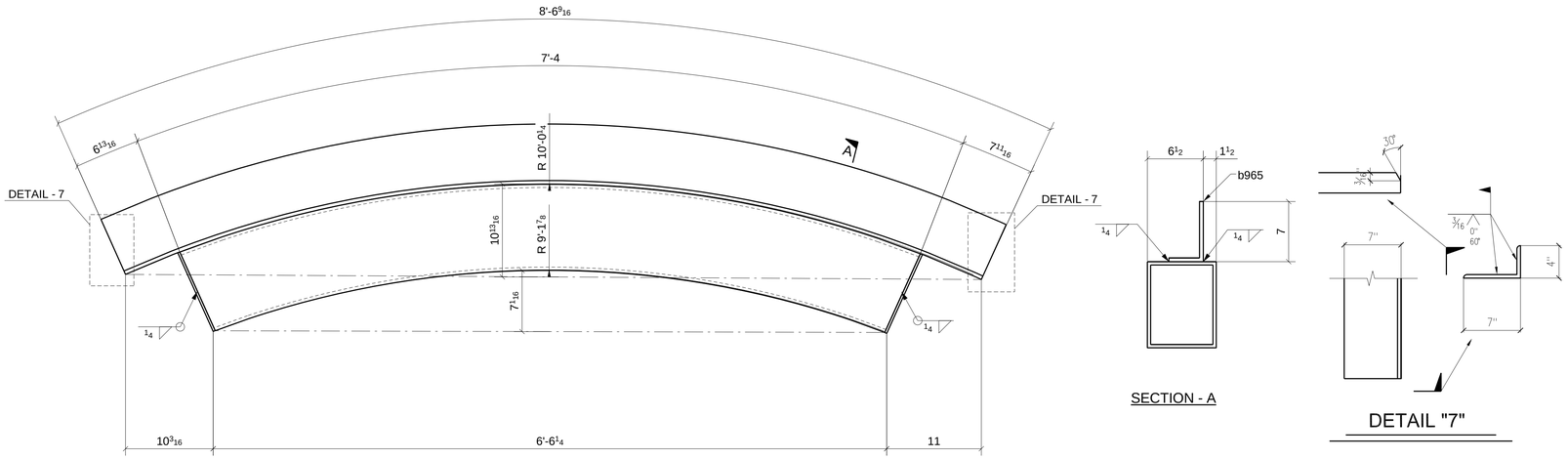
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	07/15/16

Sequence: 9 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:

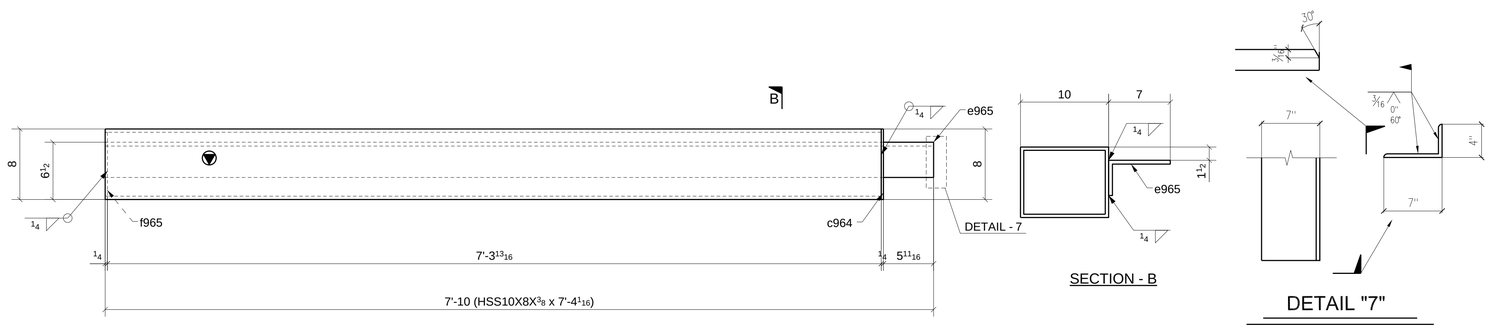
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 964



ONE - BEAM ~ 965A

LOCATION: (REF: E9B)
ONE @ 7.4>/7.3-F.2



ONE - BEAM ~ 965B

LOCATION: (REF: E9B)
ONE @ 8/F-F.1

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

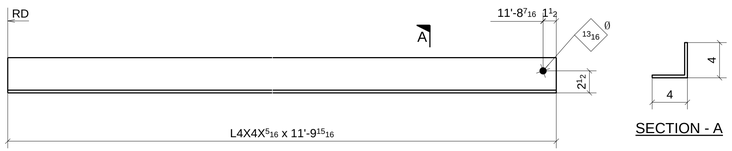
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	965A	HSS10X8X3/8	7'-0 3/8"	A500-GR.B-46	
1	b965	L7X4X7/16	8'-6 9/16"	A36	GALV.
2	c965	PL1/4"X8"	0'-10 1/16"	A36	
1	965B	HSS10X8X3/8	7'-4 1/16"	A500-GR.B-46	
1	c964	PL1/4"X8"	0'-10"	A36	
1	e965	L7X4X7/16	7'-10"	A36	GALV.
1	f965	PL1/4"X7 1/4"	0'-9 1/4"	A36	

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

ATLAS IRON WORKS
ST. LOUIS, MO.

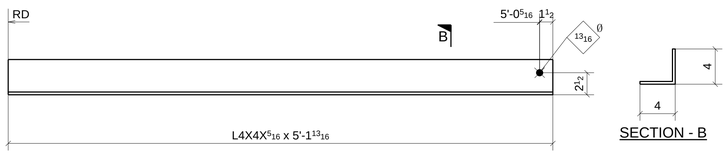
A	FOR APPROVAL		07/15/16
Sequence:	9	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016
Job No. A16013 BAT: DWG#: 965



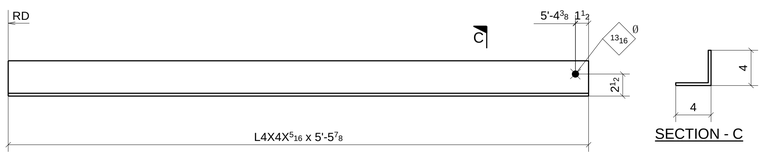
ONE - ANGLE ~ 966C

(REF: E9B)



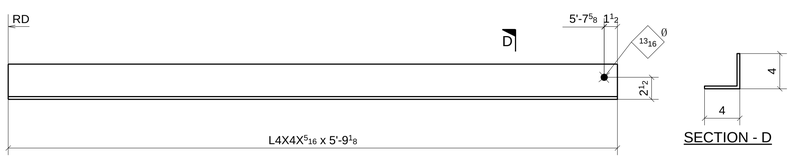
ONE - ANGLE ~ 966D

(REF: E9B)



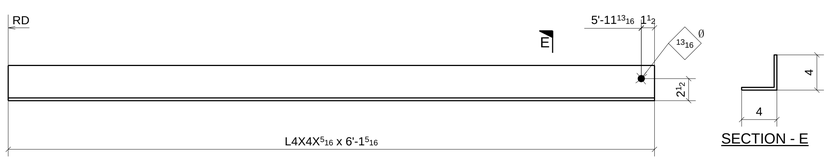
ONE - ANGLE ~ 966F

(REF: E9B)



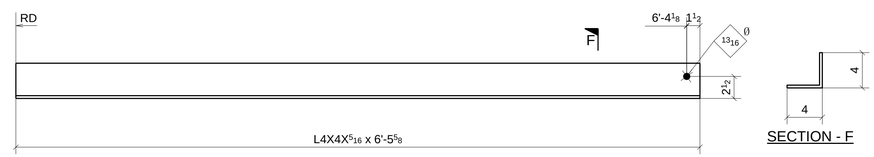
ONE - ANGLE ~ 966H

(REF: E9B)



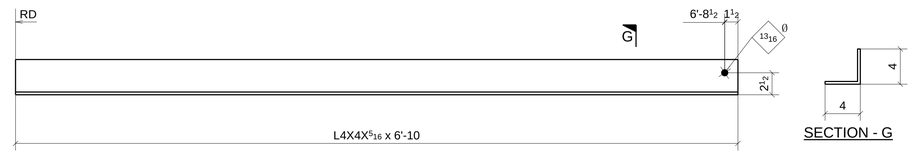
ONE - ANGLE ~ 966K

(REF: E9B)



ONE - ANGLE ~ 966M

(REF: E9B)



ONE - ANGLE ~ 966P

(REF: E9B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	966C	L4X4X5/16	11'-9 15/16"	A36	
1	966D	L4X4X5/16	5'-1 13/16"	A36	
1	966F	L4X4X5/16	5'-5 7/8"	A36	
1	966H	L4X4X5/16	5'-9 1/8"	A36	
1	966K	L4X4X5/16	6'-1 5/16"	A36	
1	966M	L4X4X5/16	6'-5 5/8"	A36	
1	966P	L4X4X5/16	6'-10"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/15/16

Sequence: 9 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

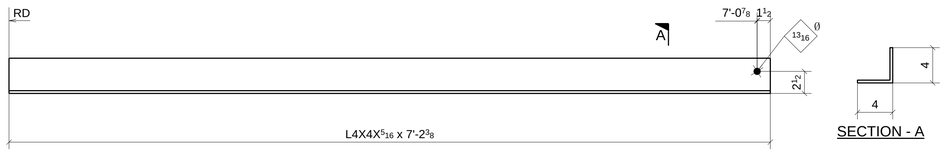
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

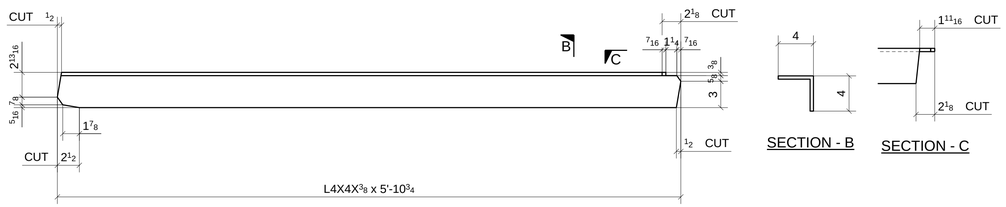
Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016

Job No. A16013 BAT: _____ DWG#: 966



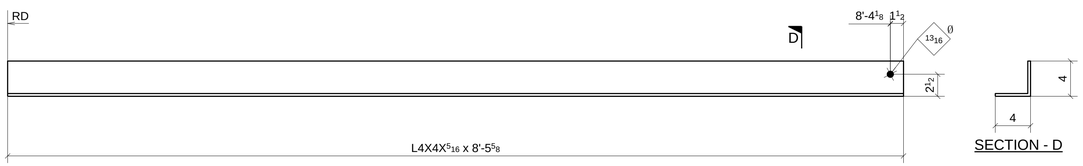
ONE - ANGLE ~ 967A

(REF: E9B)



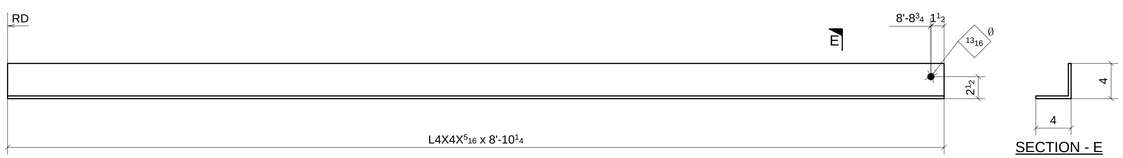
ONE - ANGLE ~ 967B

(REF: E9B)



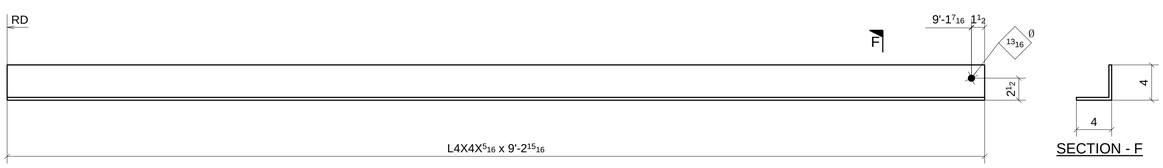
ONE - ANGLE ~ 967C

(REF: E9B)



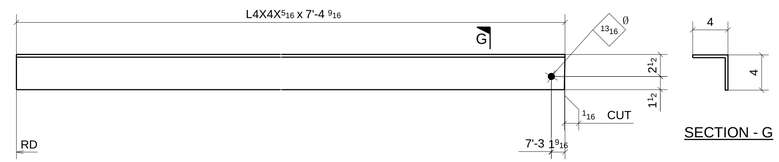
ONE - ANGLE ~ 967D

(REF: E9B)



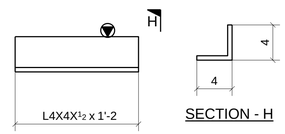
ONE - ANGLE ~ 967F

(REF: E9B)



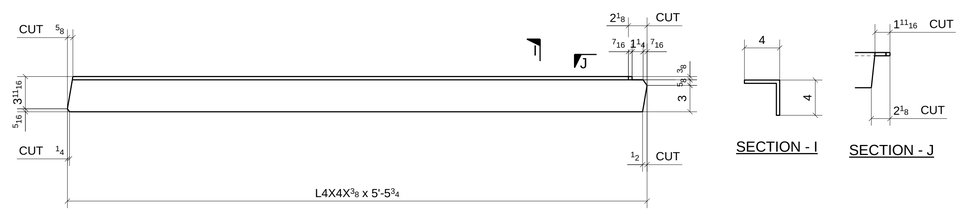
15 - ANGLES ~ 967K

(REF: E9B)



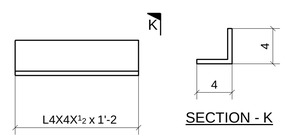
7 - ANGLES ~ 967M

(REF: E9B)



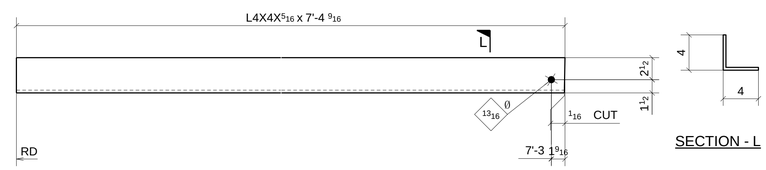
ONE - ANGLE ~ 967P

(REF: E9B)



15 - ANGLES ~ 967T

(REF: E9B)



2 - ANGLES ~ 967V

(REF: E9B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	967A	L4X4X5/16	7'-2 3/8"	A36	
1	967B	L4X4X3/8	5'-10 3/4"	A36	
1	967C	L4X4X5/16	8'-5 5/8"	A36	
1	967D	L4X4X5/16	8'-10 1/4"	A36	
1	967F	L4X4X5/16	9'-2 15/16"	A36	
15	967K	L4X4X5/16	7'-4 9/16"	A36	
7	967M	L4X4X1/2	1'-2"	A36	
1	967P	L4X4X3/8	5'-5 3/4"	A36	
15	967T	L4X4X1/2	1'-2"	A36	
2	967V	L4X4X5/16	7'-4 9/16"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A FOR APPROVAL 07/15/16

Sequence: 9 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

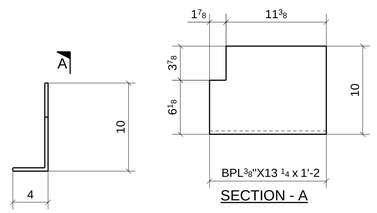
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 07/15/2016 Ckd: LJ Date: 07/18/2016

Job No. A16013 BAT: _____ DWG#: 967



ONE - PLATE ~ 968A

(REF: E9B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	968A	BPL3/8"X13 1/4"	1'-2"	A36	

FOR APPROVAL

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	07/15/16

Sequence: 9 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: 07/15/2016 Ckd: LJ Date: 07/18/2016

Job No. A16013 BAT: _____ DWG#: 968

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

051200-026
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

051200
SPECIFICATION SECTION / PARAGRAPH

Atlas Iron
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

7/25/16
DATE

To be completed by Reviewer

05 1200-026
CANNON DESIGN SUBMITTAL NUMBER

7/25/16
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

PARIC
EXPERIENCE. EXCELLENCE.
77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0156

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/25/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Webster Seq 9 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		051200-026	1		07/25/2016	Webster Seq 9 Steel	Submitted

NOTES:

CC:

Signed: _____
Devin Gates