NOTES:

ALL COMMENTS NOTED ON COVER SHEET, E7A, AND E7B

VERIFY CONNECTION DEPTHS AS PREVIOUSLY NOTED

PARIC/ATLAS - COORD GUIDERAIL SUPPORT AND HOIST BEAM LOCATIONS WITH THE ELEVATOR CONTRACTOR. SHAFT OPNG SIZE/LOCATION MATCHES STRUCT DWGS BUT FINAL APPROVAL SHALL BE BY THE ELEVATOR CONTRACTOR.

PROVIDE SUPPLEMENTAL FRAMING AT MECH OPENINGS - COORD WITH MECH CONTRACTOR 2/S0003, W10X17'S

NO VERTICAL LEG IN EDGE ANGLE THIS LOCATION

APPROVER:VERIFY

L8x8 CONT

NO L8X8 OVER THIS DOOR - NO BRICK ABOVE DOOR

USE 48"o.c. SPACING OF STIFFENERS IN LIEU OF 24" PER 17/S0303

KEY PLAN AT 99'-5 1/2"

HEAD STUDS FIELD WELD DETAIL

NOTES:

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

#2, ALL ELEVATION SHOWN INDICATE MAIN PART TOP LEVEL.

#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.

NORTH

LEVEL 02 FLOOR FRAMING PLAN SEQ7

REF: S0103

T.O.S. EL. +99'-5 1/2 (UNO)

FOR APPROVAL

A	FOR APPROVAL	06/28/16					

ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING						
Customer:	PARIC CORPORATION						
Owner:	WEBSTER UNIVERSITY						
Location:	WEBSTER GUOVES,MO 63119						
Dwn:	TLI	Date:	06/13/2016	Ckd:	LJ	Date:	06/28/2016
Job No.	A16013	BAT:		DWG#:	E7A		

SHOP ATTACH STUDS - VERIFY

PROVIDE STUDS AS SHOWN

APPROVER:VERIFY

OK

PROVIDE EDGE PLATE AND STIFFENER AT ROOF

PARIC/ATLAS - COORD GUIDERAIL SUPPORT AND HOIST BEAM LOCATIONS WITH THE ELEVATOR CONTRACTOR. SHAFT OPNG SIZE/LOCATION MATCHES STRUCT DWGS BUT FINAL APPROVAL SHALL BE BY THE ELEVATOR CONTRACTOR.

PROVIDE SUPPLEMENTAL FRAMING AT MECH OPENINGS - COORD W/ MECH CONTRACTOR 2/S0003, W10X17'S

HOLD

PROVIDE EDGE PLATE, STUDS AND STIFFENER AT ROOF SIM TO L03 & L04

SHOP ATTACH STUDS - VERIFY

Ms=60K-FT @ L03 & L04

DESIGN MOMENT = 60 K-FT AT (2) W24X55 LOCATIONS

CALC SHEET 523 - PART 2

ANGLE BRACE

ANGLE BRACE

TYP.

SIM.

KEY PLAN AT 114'-9 1/2"

HEAD STUDS FIELD WELD DETAIL

NOTES:

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

#2, ALL ELEVATION SHOWN INDICATE MAIN PART TOP LEVEL.

#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.

MC-01 BEAM TO COLUMN MOMENT CONNECTION

Connection ID	Level /Location	Beam Size	Column Size	Column Web/Flange	Shear Design Load (kip)	Moment Design Load (Kip-ft) *	Axial Design Load (kip)	Beam Flange Connection Detail: Extens. Pl. (A572 Gr.50) Thk. (inch)	Weld Size (inch)	Stiff. Pl. (A572 Gr.50) Size (inch)	Clip Size (inch)	Weld Size to Web and Flange (inch)	Doubler Plate Thk.td (inch)	Weld Size to Web (inch)
MC-01-1	L3/B3-5	W24X76	W12X87	Flange	100	440	-	-	-	1/2 x4 1/2	3/4"	3/8	3/8 (2 sides)	1/4
MC-01-2	L3/B3-6	W24X62	W10x49	Flange	91	327	-	-	-	1/2x4 1/2	3/4"	3/8	3/8 (2 sides)	1/4
MC-01-3	L3/A6-7.1	W24X55	W10X39	Flange	42	285	-	-	-	5/8x3 3/4	3/4"	CJP	3/8 (2 sides)	1/4

* Elastic moment strength values =Fy*Sx/Ω from AISC manual
Make sure stiffener extends beyond the toe of the column flange to eliminate the effects of triaxial stresses.
SC-Bolt connection to have Class-A faying surface.
See VB design table for Brace connection design
Use Standard Bolt Hole at Shear Tab

NORTH

LEVEL 03 FLOOR FRAMING PLAN SEQ7
REF: S0104

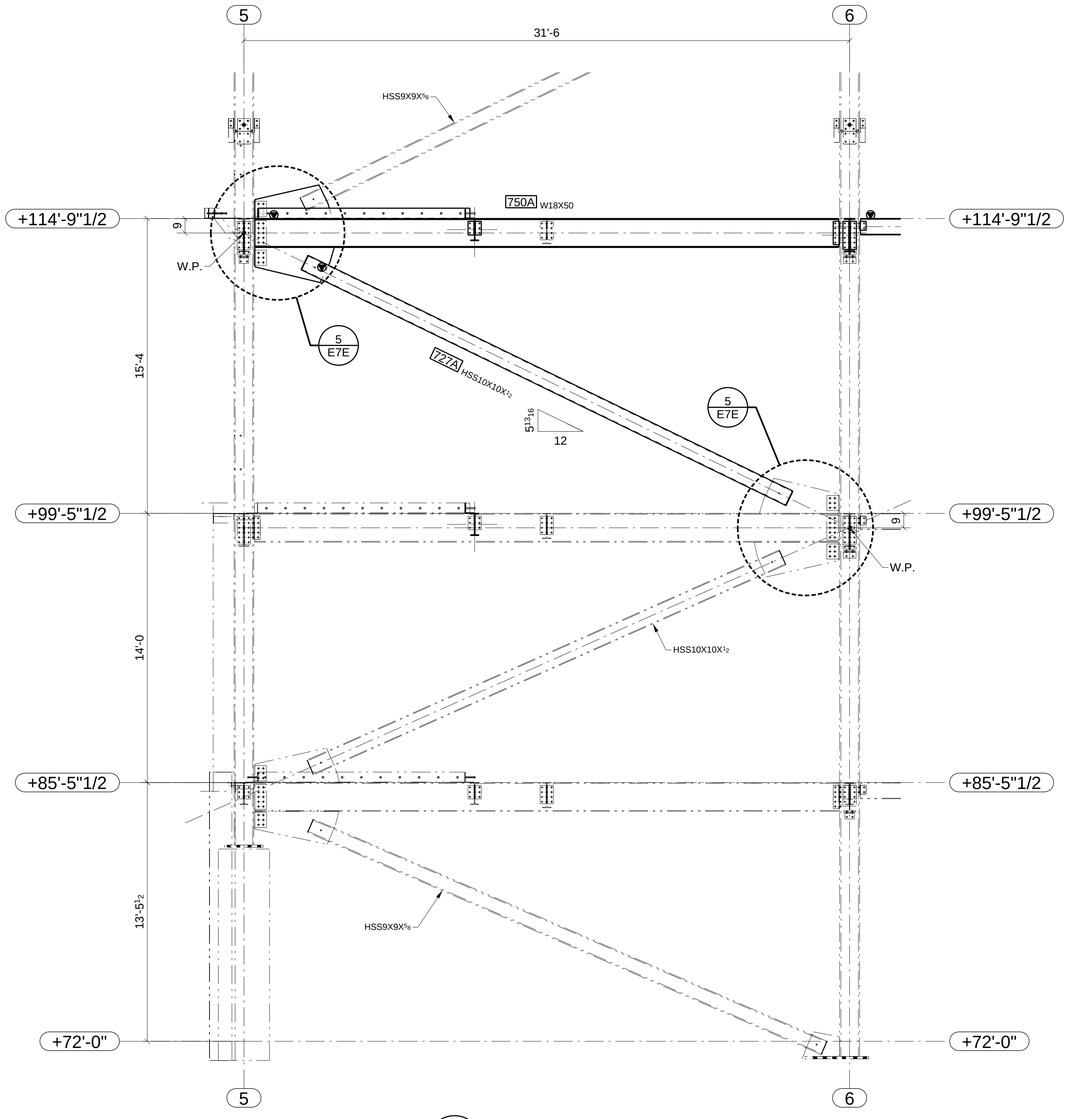
T.O.S. EL. +114'-9 1/2 (UNO)

FOR APPROVAL

A	FOR APPROVAL	06/28/16

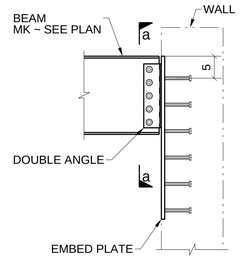
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: TLI	Date: 06/21/2016 Ckd: LJ Date: 06/28/2016
Job No.	A16013 BAT: DWG#: E7B

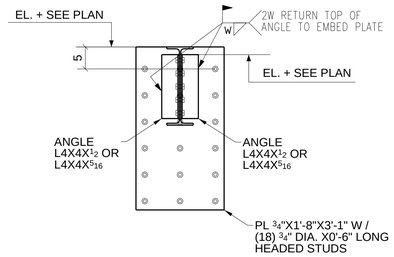


A / E7B SECTION ELEVATION ON LINE D

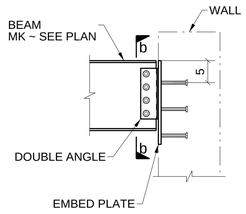
WELD SIZE SCHEDULE (DETAIL 1 & 2)	
DOUBLE ANGLE SIZE	WELD SIZE (W)
L4X4X1/2	5/16"
L4X4X5/16	1/4"



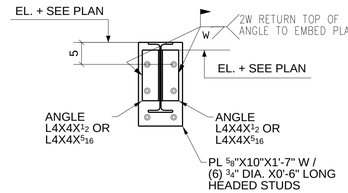
DETAIL - 1



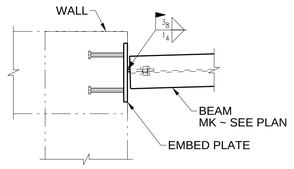
a - a



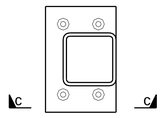
DETAIL - 2



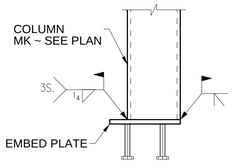
b - b



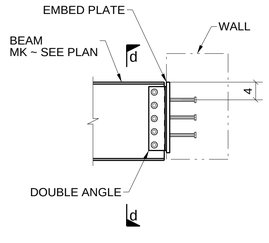
DETAIL - 3



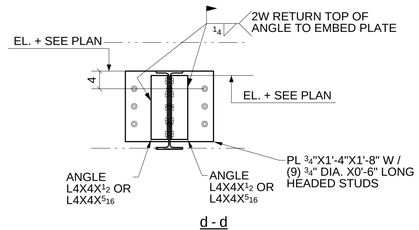
DETAIL - 4



c - c



DETAIL - 5



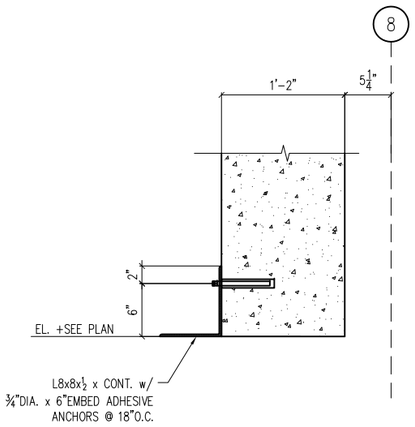
d - d

FOR APPROVAL

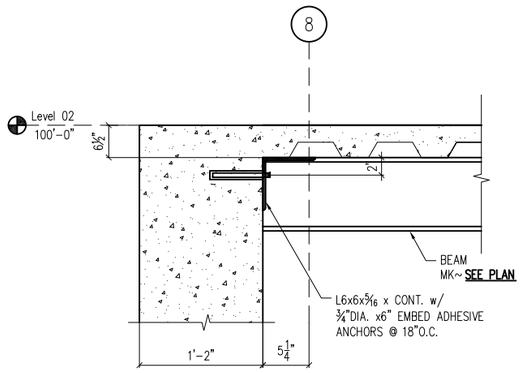
A	FOR APPROVAL	06/28/16

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 06/21/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: E7C



DETAIL – 1
REF: 4/S0300



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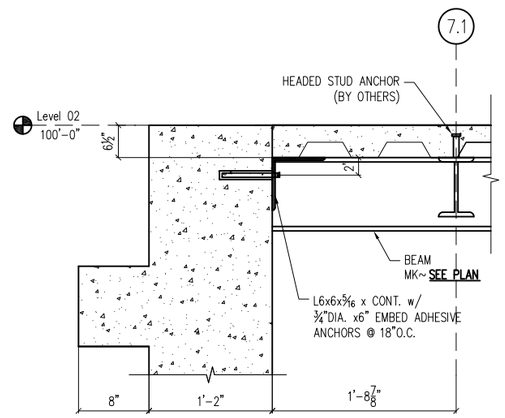

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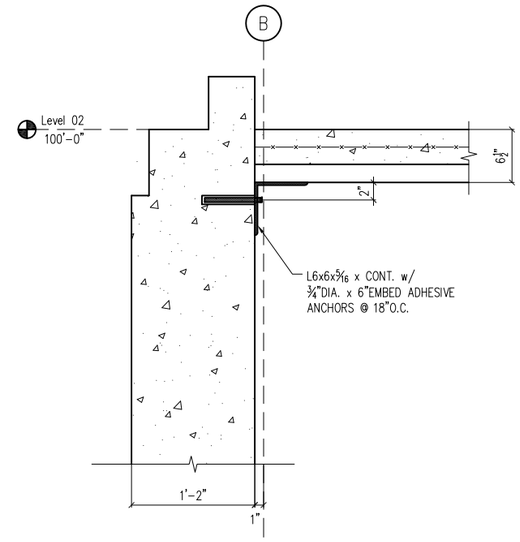

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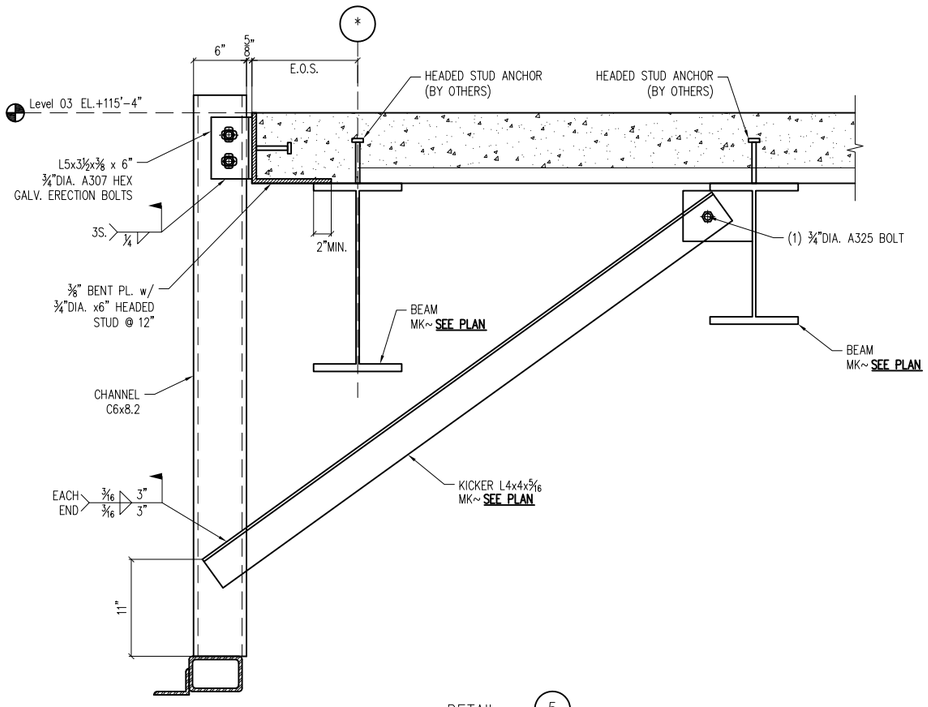
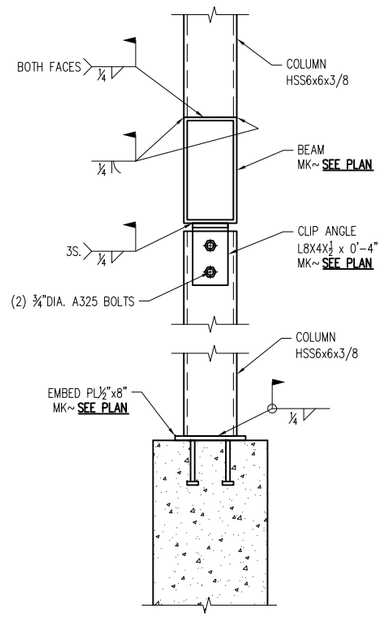
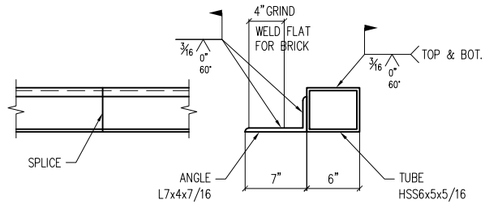
REF: 16/S0303



DETAIL – 5
REF: 1/S0302



DETAIL – 6
REF: 12/S0304



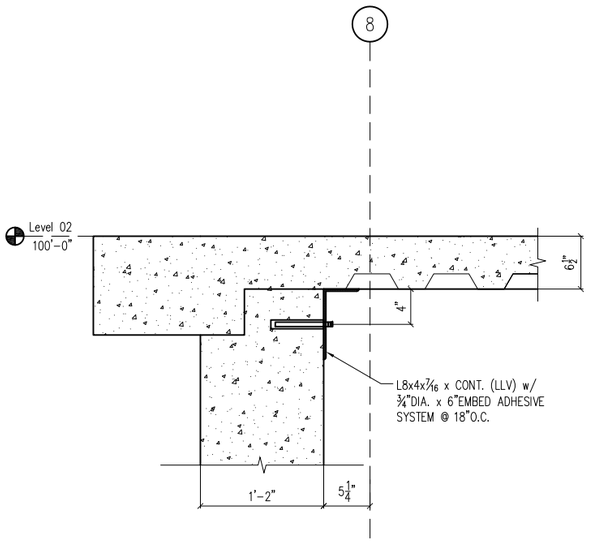
DETAIL – 7

FOR APPROVAL

A	FOR APPROVAL	06-28-16

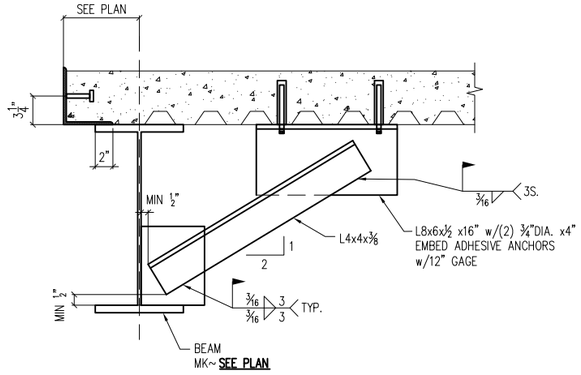
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ **Date:** 06/20/16 **Ckd:** LJ **Date:** 06/20/16
Job No. A16013 **BAT:** **DWG#:** E7D

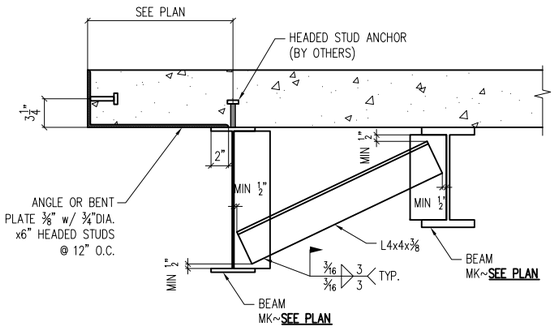


DETAIL – 1

REF: 20/S0300

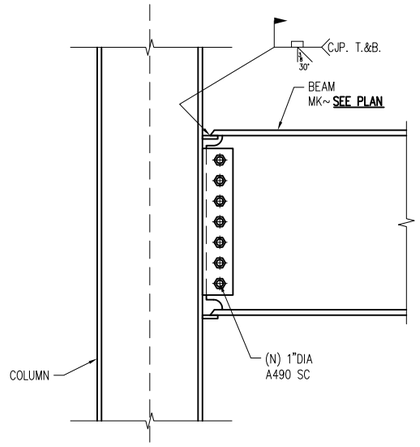


DETAIL – 2



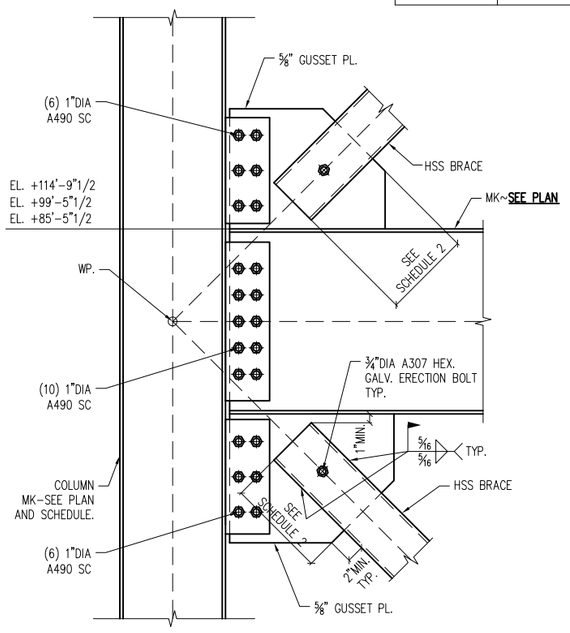
DETAIL – 3

REF: 9/S0003



DETAIL – 4

SCHEDULE 2	
LOCATION	WELD LENGTH
GRID D/5-6	14"



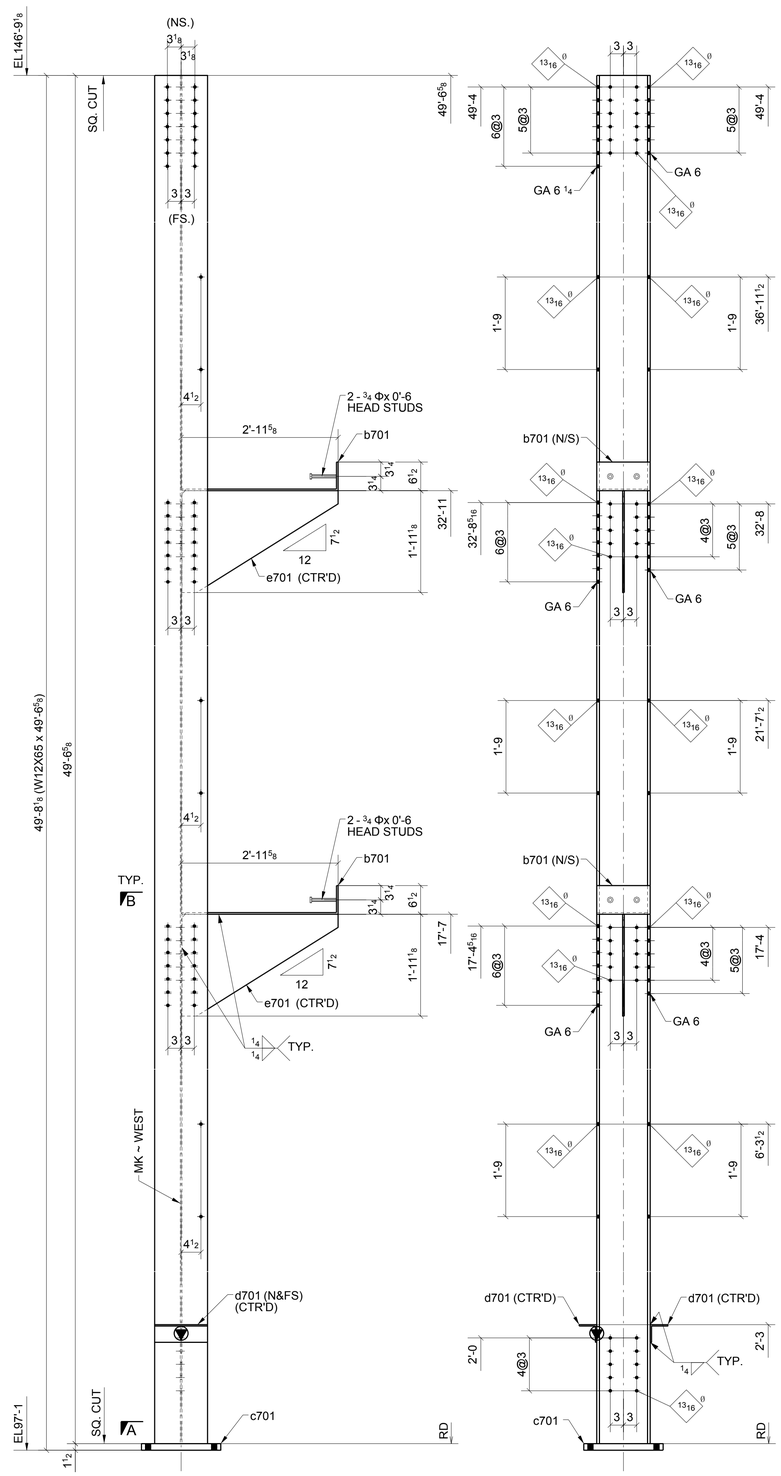
DETAIL – 5

FOR APPROVAL

1	FOR APPROVAL	06-28-16

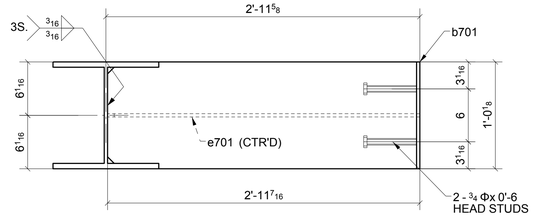
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ **Date:** 06/20/16 **Ckd:** LJ **Date:** 06/20/16
Job No. A16013 **BAT:** **DWG#:** E7E

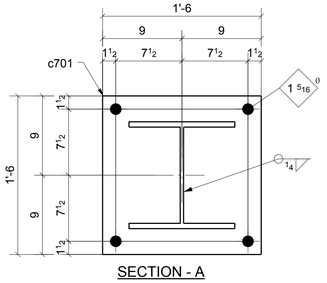


ONE - COLUMN ~ 701A

LOCATION: ONE @ 8/C (REF: E7A,E7B)



SECTION - B



SECTION - A

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	701A	W12X65	49'-6 5/8"	A992	
2	b701	BPL3/8"X12 1/8"	3'-5 15/16"	A36	
1	c701	PL1 1/2"X18"	1'-6"	A36	
2	d701	L4X4X5/16	1'-0"	A36	
2	e701	PL3/8"X23 1/8"	2'-11 7/16"	A36	
4		3/4" STUD	0'-6"		

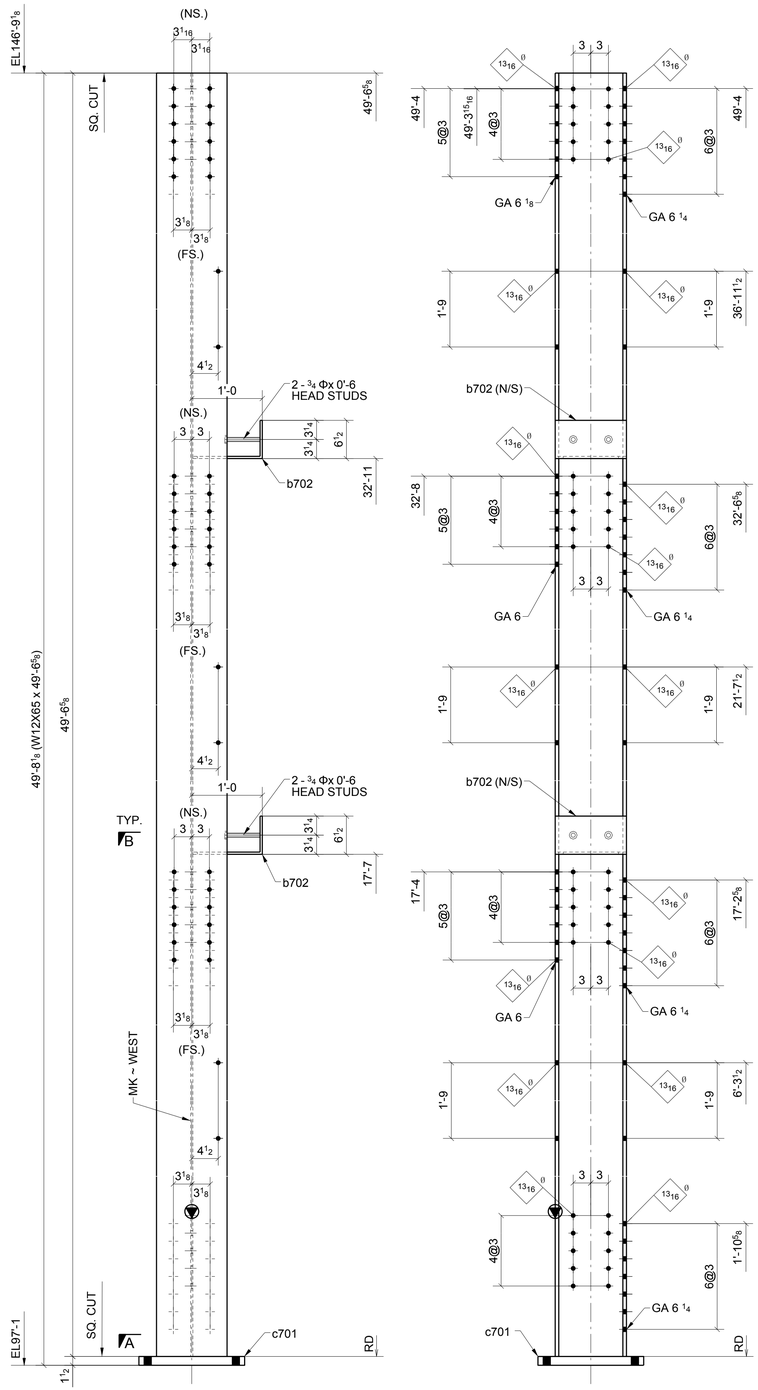
A	FOR APPROVAL		06/28/16
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

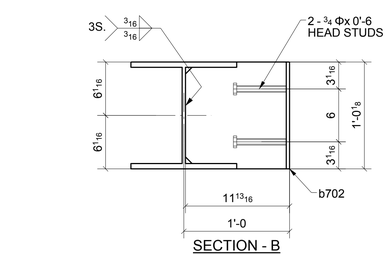
Romac By: Checked By:

Beamline By: Checked By:

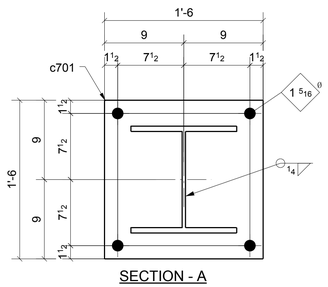
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	TLI	Date:	06/20/2016	Ckd: LJ	Date: 06/27/2016
Job No.	A16013	BAT:		DWG#:	701





SECTION - B



SECTION - A

ONE - COLUMN ~ 702A

LOCATION: (REF: E7A,E7B)

ONE @ 8/D

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	702A	W12X65	49'-6 5/8"	A992	
2	b702	BPL3/8"X12 1/8"	1'-6 5/16"	A36	
1	c701	PL1 1/2"X18"	1'-6"	A36	
4		3/4" STUD	0'-6"		

A	FOR APPROVAL		06/28/16

Sequence: 7 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

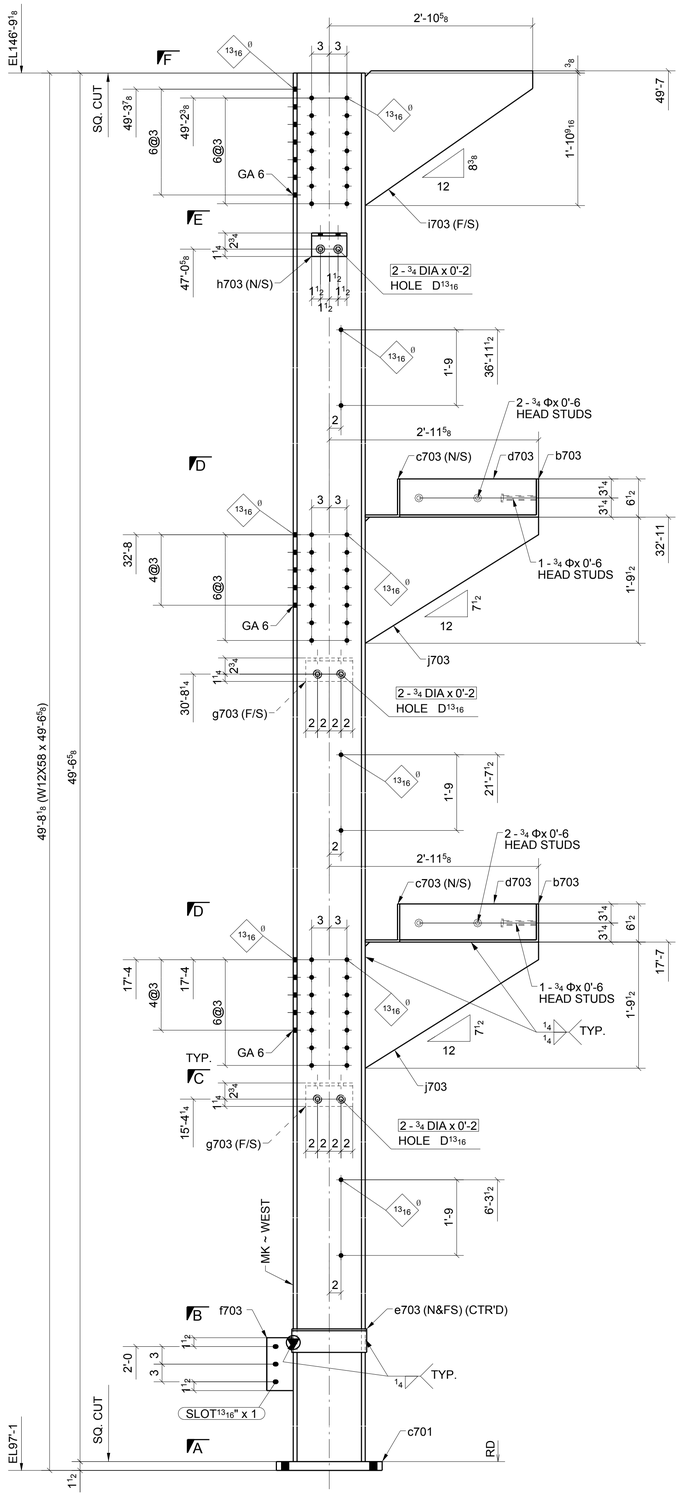
Customer: PARIC CORPORATION

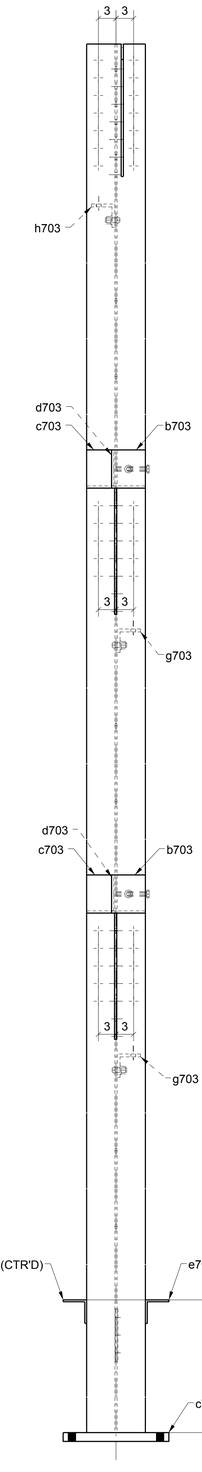
Owner: WEBSTER UNIVERSITY

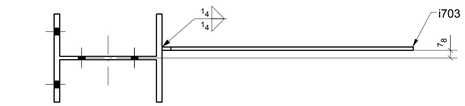
Location: WEBSTER GUOVES,MO 63119

Dwn: TLI Date: 06/20/2016 Ckd: LJ Date: 06/27/2016

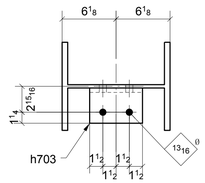
Job No. A16013 BAT: DWG#: 702



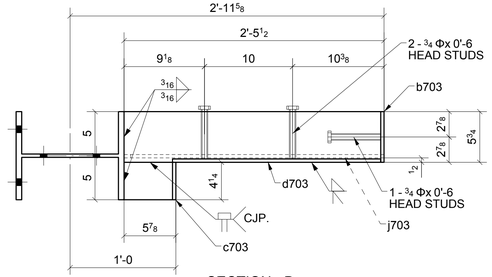




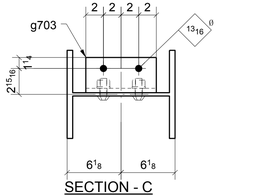
SECTION - F



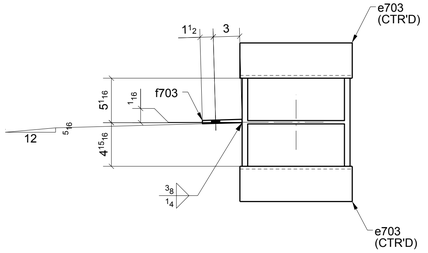
SECTION - E



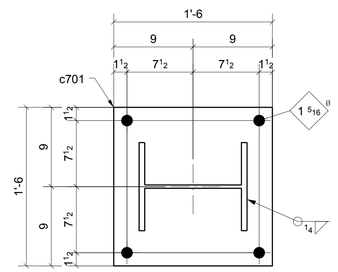
SECTION - D



SECTION - C



SECTION - B



SECTION - A

ONE - COLUMN ~ 703A

LOCATION: ONE @ 8/B

(REF: E7A,E7B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	703A	W12X58	49'-6 5/8"	A992	
2	b703	BPL3/8"X5 3/4"	3'-0"	A36	
1	c701	PL1 1/2"X18"	1'-6"	A36	
2	c703	BPL3/8"X4 1/4"	1'-0 3/8"	A36	
2	d703	PL3/8"X6 1/8"	1'-11 5/8"	A36	
2	e703	L4X4X5/16	1'-0 3/4"	A36	
1	f703	PL3/8"X4 1/2"	0'-9"	A36	
2	g703	L4X4X1/2	0'-8"	A36	
1	h703	L4X4X1/2	0'-6"	A36	
1	i703	PL3/8"X22 15/16"	2'-4 1/2"	A36	
2	j703	PL3/8"X21 1/2"	2'-5 1/2"	A36	
6		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" STUD	0'-6"		
4		3/4" STUD	0'-6"		

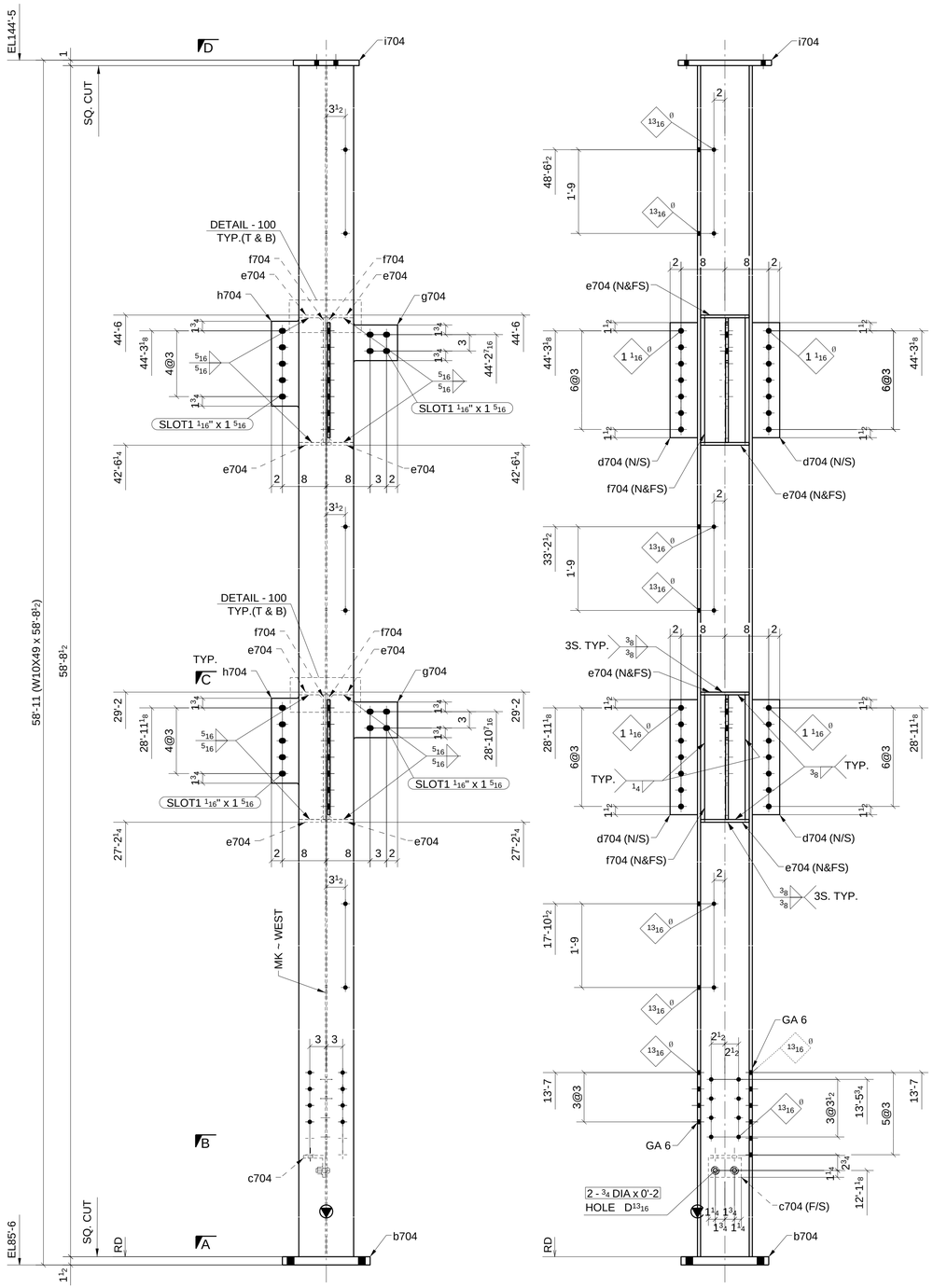
A	FOR APPROVAL		06/28/16
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

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: 06/20/2016	Ckd:	LJ	Date: 06/28/2016
Job No.	A16013	BAT:		DWG#:	703



ONE - COLUMN ~ 704A

LOCATION: (REF: E7A,E7B)

ONE @ 6/B.3

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	704A	W10X49	58'-8 1/2"	A992	
1	b704	PL1 1/2"X16"	1'-4"	A36	
1	c704	L4X4X1/2	0'-6"	A36	
4	d704	PL1/2"X5"	1'-9"	A572-GR.50	
8	e704	PL1/2"X4 7/8"	0'-8 7/8"	A572-GR.50	
4	f704	PL3/8"X7 3/8"	1'-10 3/4"	A36	
2	g704	PL1/2"X12 1/2"	1'-10 3/4"	A36	
2	h704	PL1/2"X9 7/16"	1'-10 3/4"	A36	
1	i704	PL1"X12"	1'-5"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	

FOR APPROVAL

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

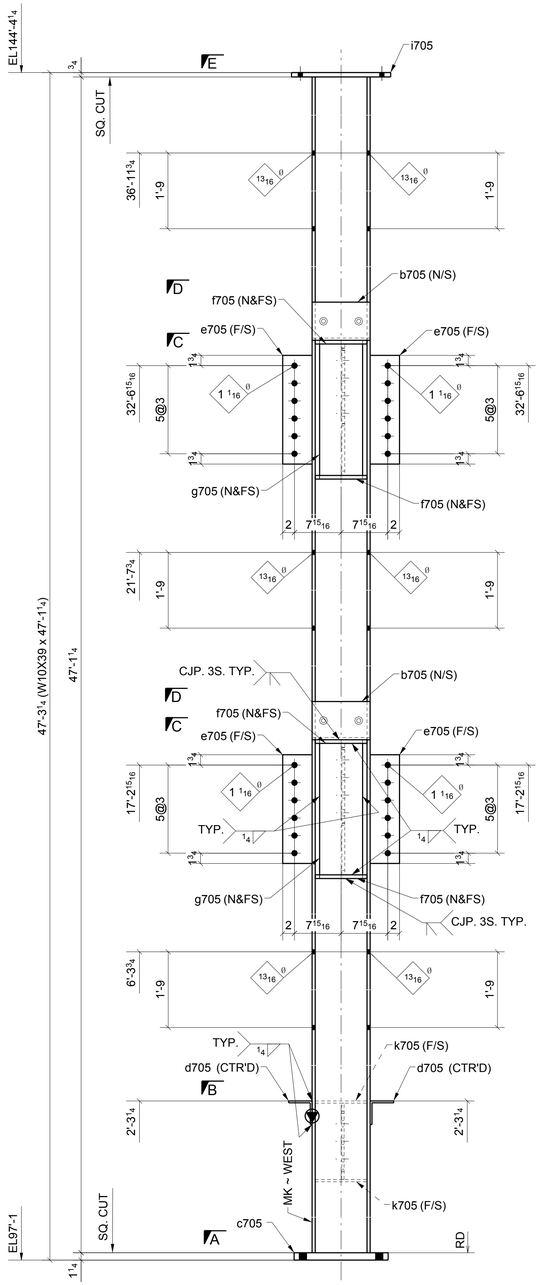
Customer: PARIC CORPORATION

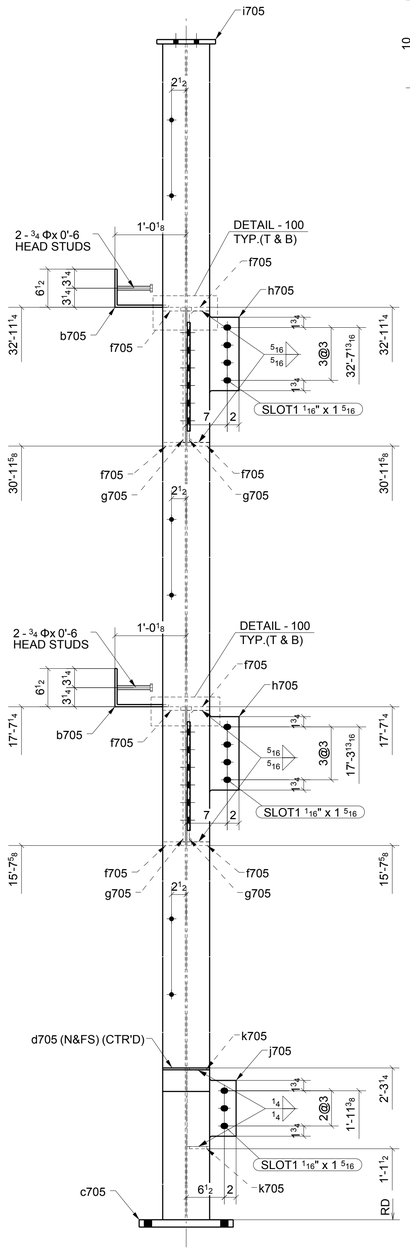
Owner: WEBSTER UNIVERSITY

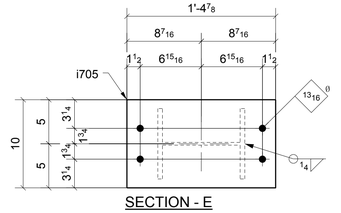
Location: WEBSTER GUOVES,MO 63119

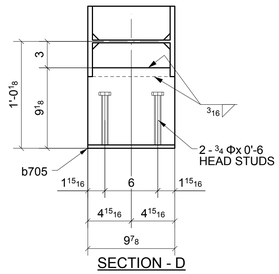
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

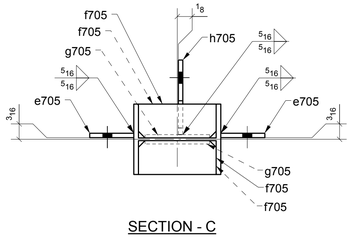
Job No. A16013 BAT: DWG#: 704

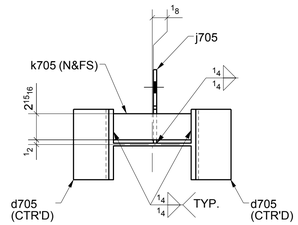


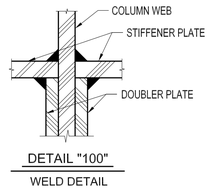


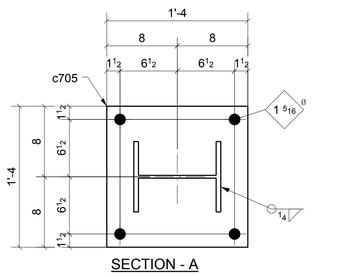












ONE - COLUMN ~ 705A

LOCATION: ONE @ 7.1/A.6 (REF: E7A,E7B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	705A	W10X39	47'-1 1/4"	A992	
2	b705	BPL3/8"X9 7/8"	1'-3 5/8"	A36	
1	c705	PL1 1/4"X16"	1'-4"	A36	
2	d705	L4X4X5/16	0'-8"	A36	
4	e705	PL1/2"X5"	1'-6 1/2"	A572-GR.50	
8	f705	PL5/8"X3 13/16"	0'-8 13/16"	A572-GR.50	
4	g705	PL3/8"X7 5/16"	1'-10 3/8"	A36	
2	h705	PL1/2"X8 7/16"	1'-10 3/8"	A36	
1	i705	PL3/4"X10"	1'-4 7/8"	A36	
1	j705	PL3/8"X8 5/16"	1'-1"	A36	
2	k705	PL3/8"X2 15/16"	0'-8 13/16"	A36	
4		3/4" STUD	0'-6"		

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16

Sequence: 7 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

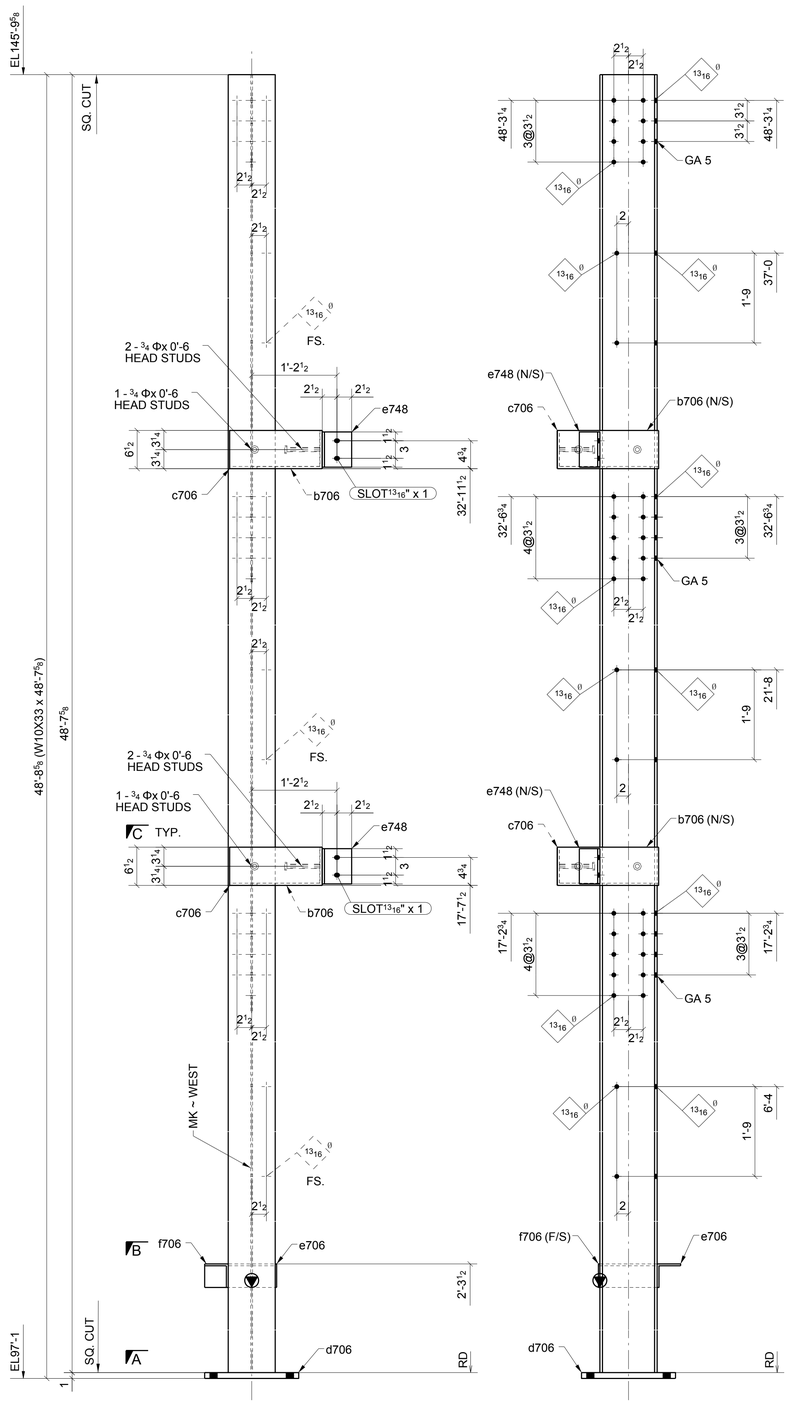
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

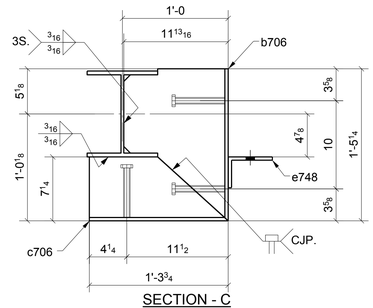
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

Job No. A16013 BAT: _____ DWG#: 705

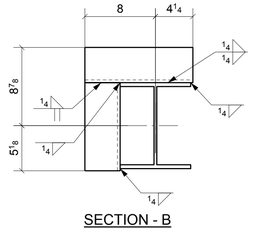


ONE - COLUMN ~ 706A

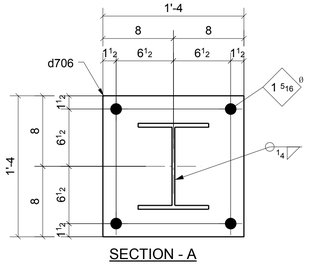
LOCATION: ONE @ 8/A.6 (REF: E7A,E7B)



SECTION - C



SECTION - B



SECTION - A

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	706A	W10X33	48'-7 5/8"	A992	
2	b706	BPL3/8"X17 1/4"	1'-6 5/16"	A36	
2	c706	BPL3/8"X13 3/4"	1'-3 3/4"	A36	
1	d706	PL1"X16"	1'-4"	A36	
1	e706	L4X4X5/16	1'-0 1/4"	A36	
2	e748	L5X3-1/2X3/8	0'-6"	A36	
1	f706	L4X4X5/16	0'-10"	A36	
2		3/4" STUD	0'-6"		
4		3/4" STUD	0'-6"		

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16

Sequence: 7 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

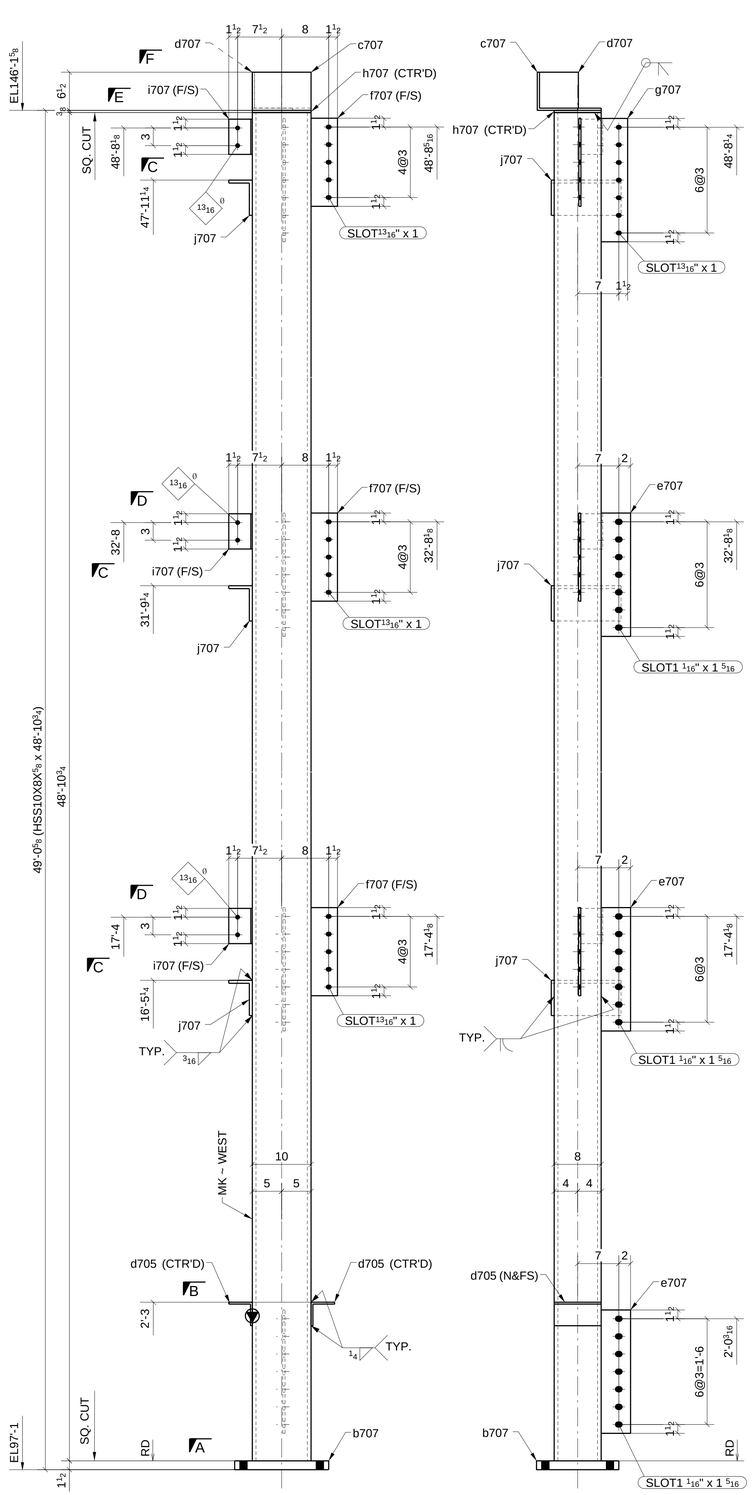
Customer: PARIC CORPORATION

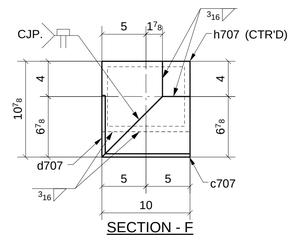
Owner: WEBSTER UNIVERSITY

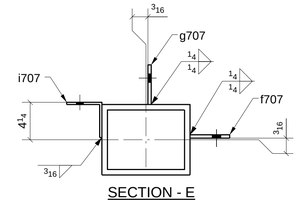
Location: WEBSTER GUOVES,MO 63119

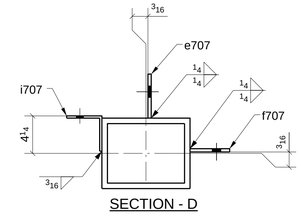
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

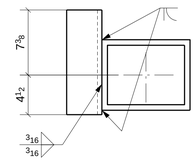
Job No. A16013 BAT: _____ DWG#: 706

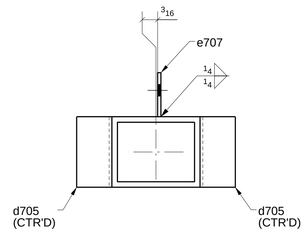


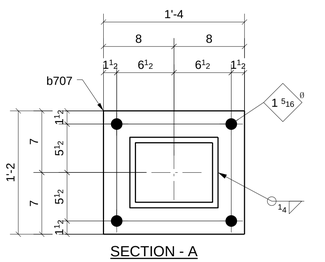












ONE - COLUMN ~ 707A

LOCATION: ONE @ 7/B (REF: E7A,E7B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	707A	HSS10X8X5/8	48'-10 3/4"	A500-GR.B	46
1	b707	PL1 1/2"X14"	1'-4"	A36	
1	c707	BPL3/8"X10"	1'-1 3/8"	A36	
2	d705	L4X4X5/16	0'-8"	A36	
1	d707	BPL3/8"X10 7/8"	1'-1 3/8"	A36	
3	e707	PL3/8"X5"	1'-9"	A36	
3	f707	PL3/8"X4 1/2"	1'-3"	A36	
1	g707	PL3/8"X4 1/2"	1'-9"	A36	
1	h707	PL3/8"X8"	0'-10"	A36	
3	i707	L4X4X1/4	0'-6"	A36	
3	j707	L6X4X1/2	0'-11 7/8"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	06/28/16

Sequence: 7 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

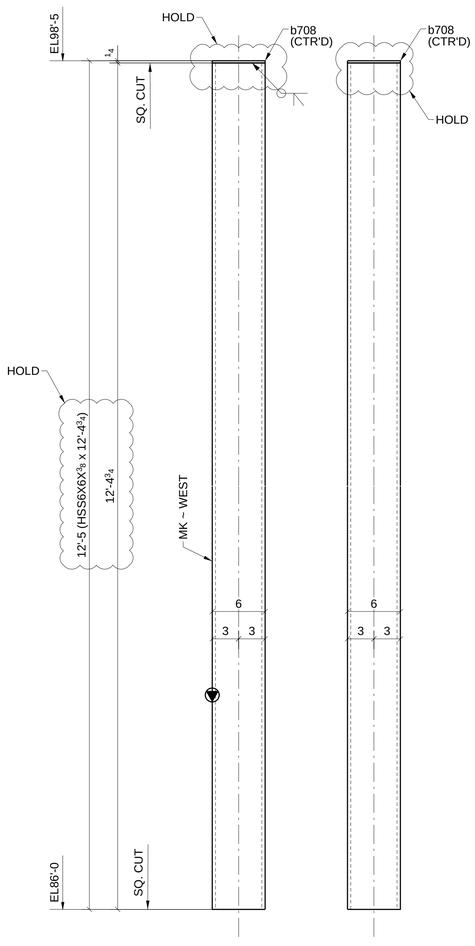
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

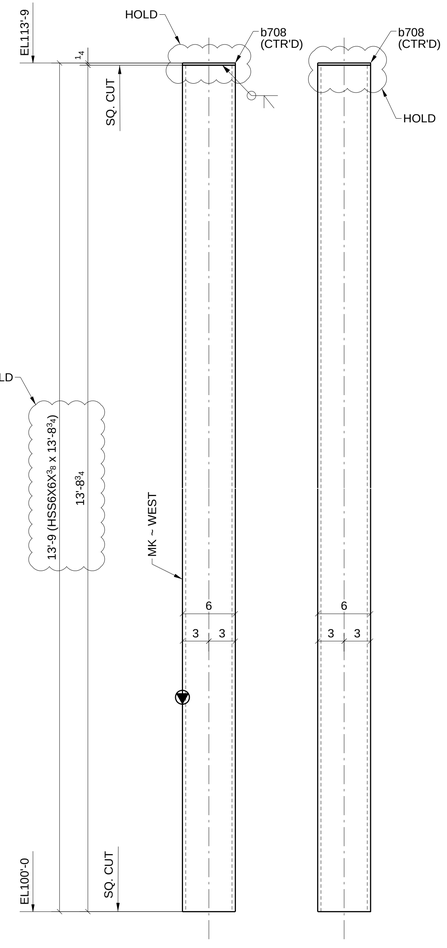
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: _____ DWG#: 707



ONE - COLUMN ~ 708A

LOCATION: ONE @ 5-6/B.3-C (REF: E7A)



ONE - COLUMN ~ 708B

LOCATION: ONE @ 5-6/B.3-C (REF: E7B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	708A	HSS6X6X3/8	12'-4 3/4"	A500-GR.B-46	
1	b708	PL1/4"X6"	0'-6"	A36	
1	708B	HSS6X6X3/8	13'-8 3/4"	A500-GR.B-46	
1	b708	PL1/4"X6"	0'-6"	A36	

HOLD

A	FOR APPROVAL		06/28/16
Sequence:	7	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

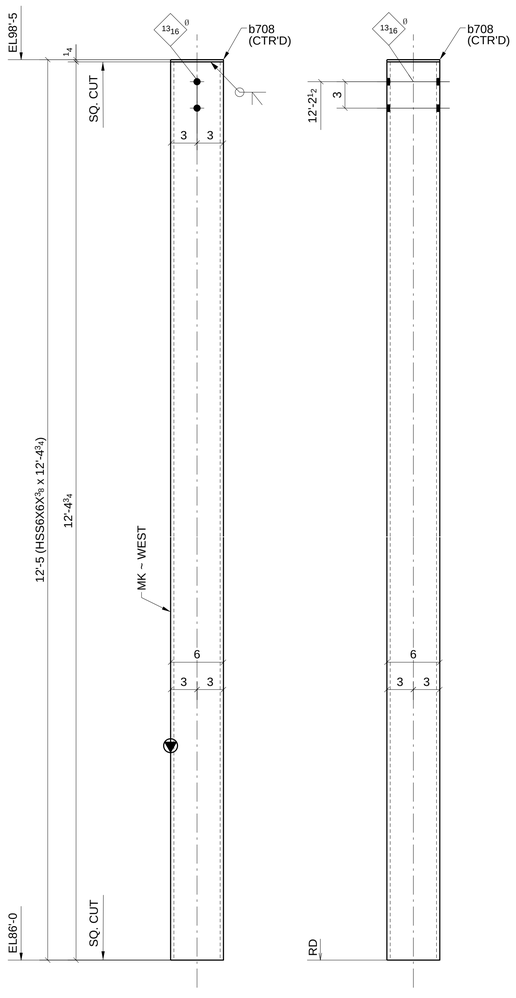
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

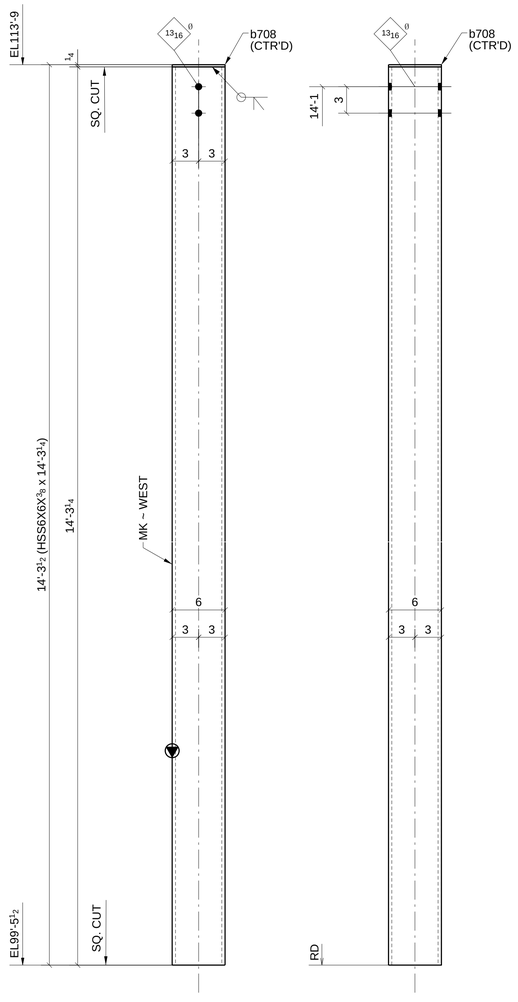
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: _____ DWG#: 708



ONE - COLUMN ~ 709A

LOCATION: ONE @ 5-6/B.3-C (REF: E7A)



ONE - COLUMN ~ 709B

LOCATION: ONE @ 5-6/B.3-C (REF: E7B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	709A	HSS6X6X3/8	12'-4 3/4"	A500-GR.B	46
1	b708	PL1/4"X6"	0'-6"	A36	
1	709B	HSS6X6X3/8	14'-3 1/4"	A500-GR.B	46
1	b708	PL1/4"X6"	0'-6"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16

Sequence: 7 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

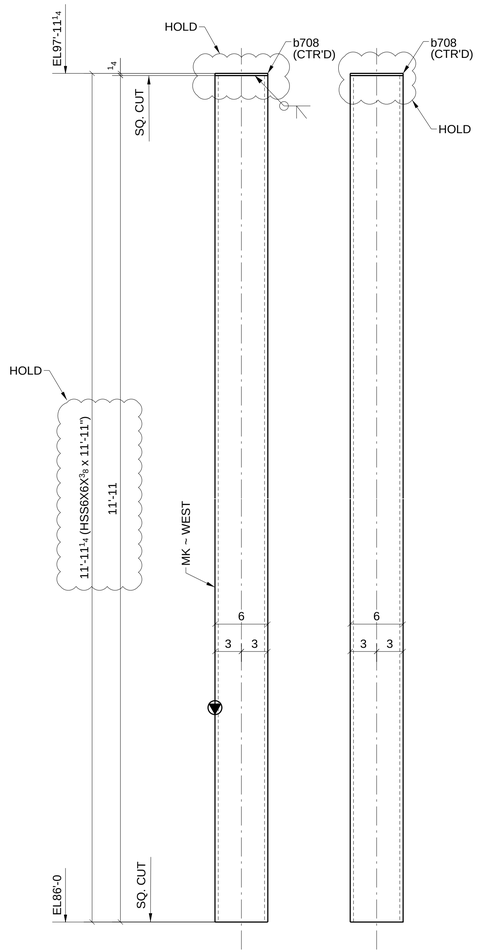
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

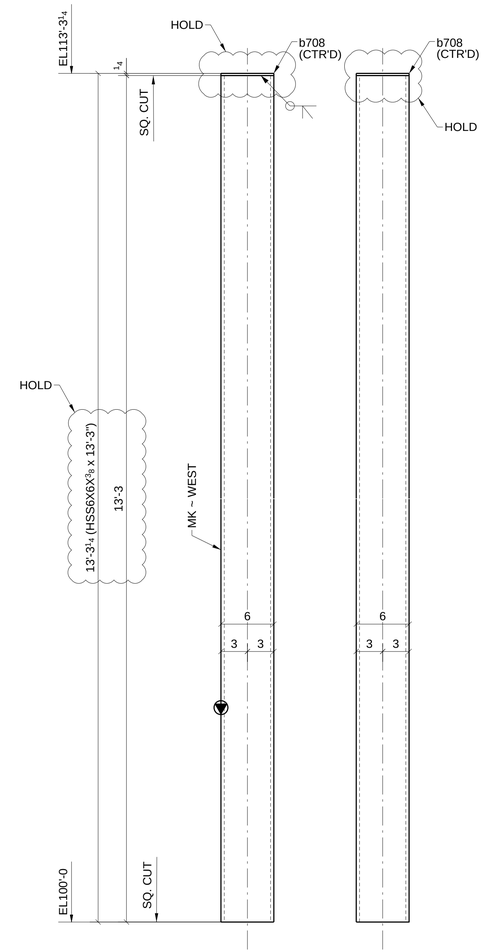
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

Job No. A16013 BAT: _____ DWG#: 709



ONE - COLUMN ~ 710A

LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C



ONE - COLUMN ~ 710B

LOCATION: (REF: E7B)
ONE @ 5-6/B.3-C

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	710A	HSS6X6X3/8	11'-11"	A500-GR.B-46	
1	b708	PL1/4"X6"	0'-6"	A36	
1	710B	HSS6X6X3/8	13'-3"	A500-GR.B-46	
1	b708	PL1/4"X6"	0'-6"	A36	

HOLD

FOR APPROVAL

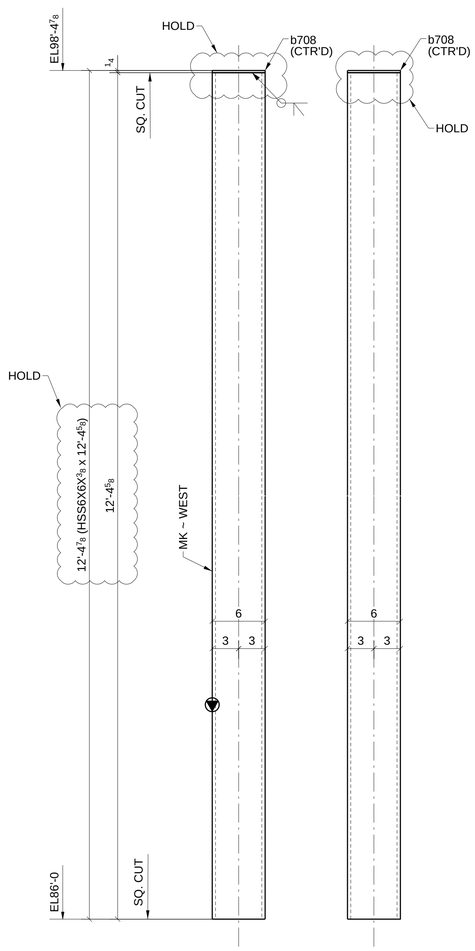
A	FOR APPROVAL		06/28/16

Sequence: 7 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:

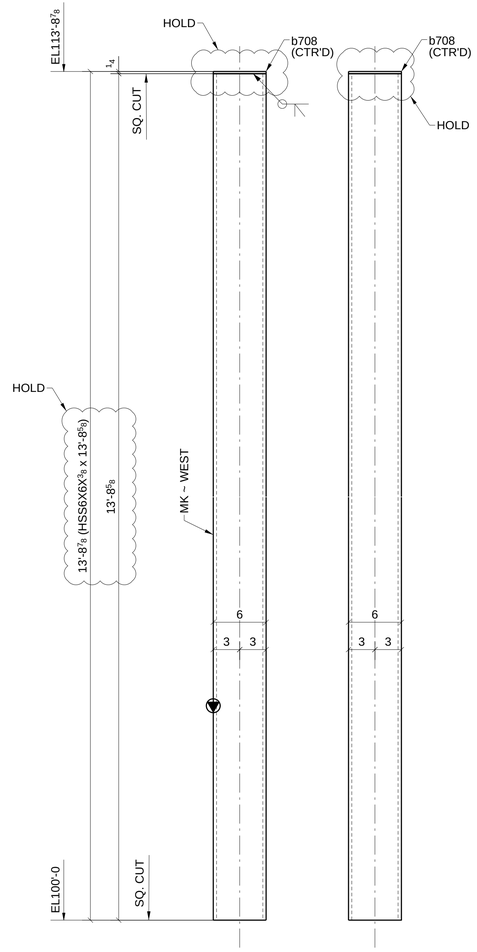
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 710



ONE - COLUMN ~ 711A

LOCATION: ONE @ 5-6/B.3-C (REF: E7A)



ONE - COLUMN ~ 711B

LOCATION: ONE @ 5-6/B.3-C (REF: E7B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	711A	HSS6X6X3/8	12'-4 5/8"	A500-GR.B-46	
1	b708	PL1/4"X6"	0'-6"	A36	
1	711B	HSS6X6X3/8	13'-8 5/8"	A500-GR.B-46	
1	b708	PL1/4"X6"	0'-6"	A36	

HOLD

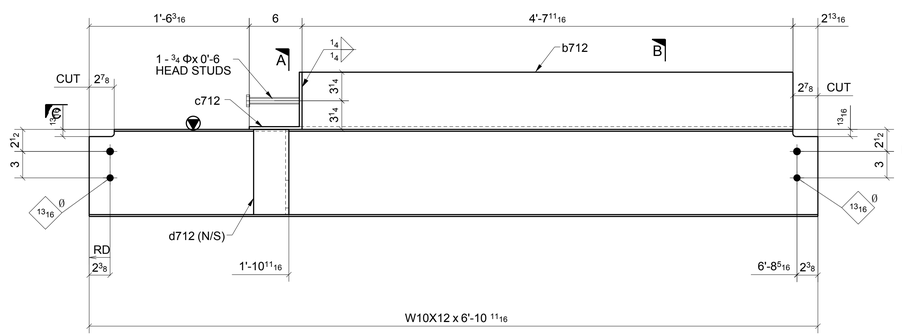
A	FOR APPROVAL	06/28/16

Sequence: 7 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:

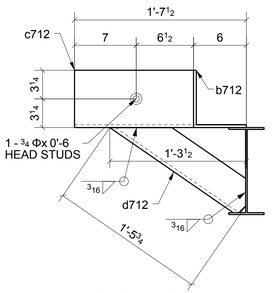
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: TLI Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 711

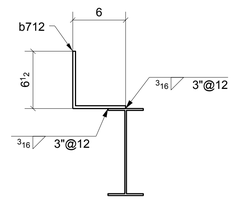


ONE - BEAM ~ 712A

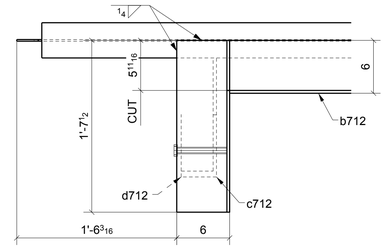
LOCATION: (REF: E7A)
ONE @ 8/C.3-D



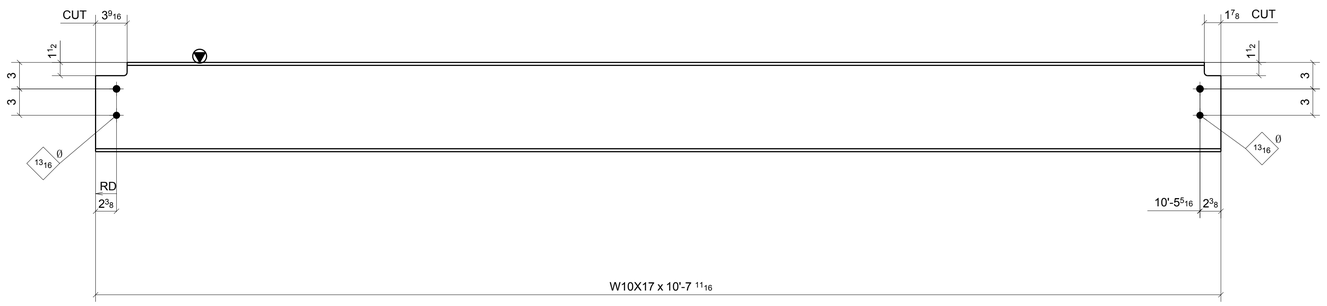
SECTION - A



SECTION - B

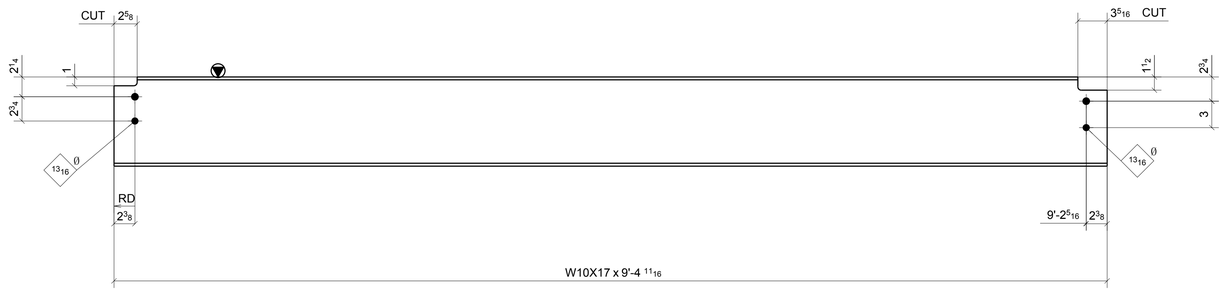


SECTION - C



ONE - BEAM ~ 712B

LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C



ONE - BEAM ~ 712C

LOCATION: (REF: E7A)
ONE @ 6-7/B-B.3

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	712A	W10X12	6'-10 11/16"	A992	
1	b712	BPL5/16""12"1/2	4'-7 11/16"	A36	
1	c712	BPL5/16""12"1/2	1'-7 1/2"	A36	
1	d712	L4X4X3/8	1'-5 3/4"	A36	
1		3/4" STUD	0'-6"		
1	712B	W10X17	10'-7 11/16"	A992	
1	712C	W10X17	9'-4 11/16"	A992	

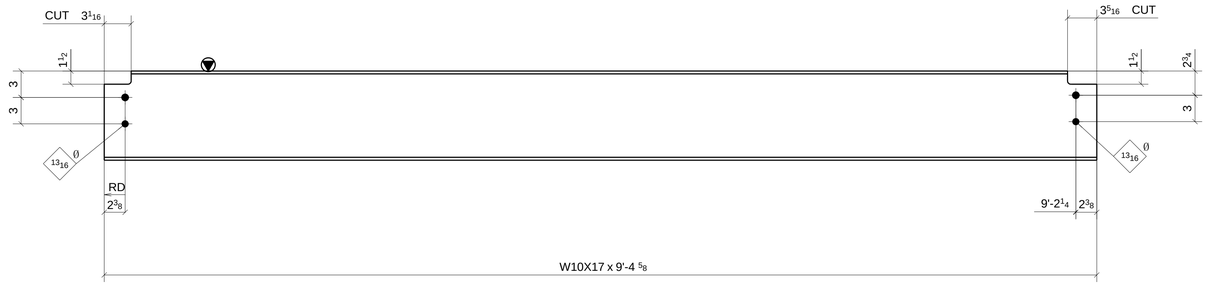
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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:

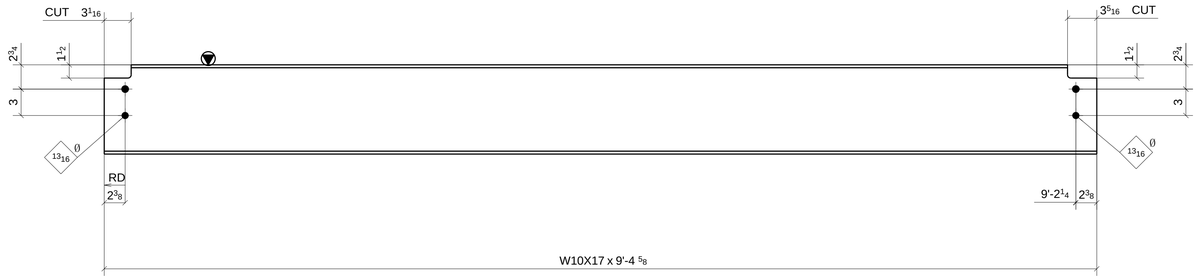
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 712



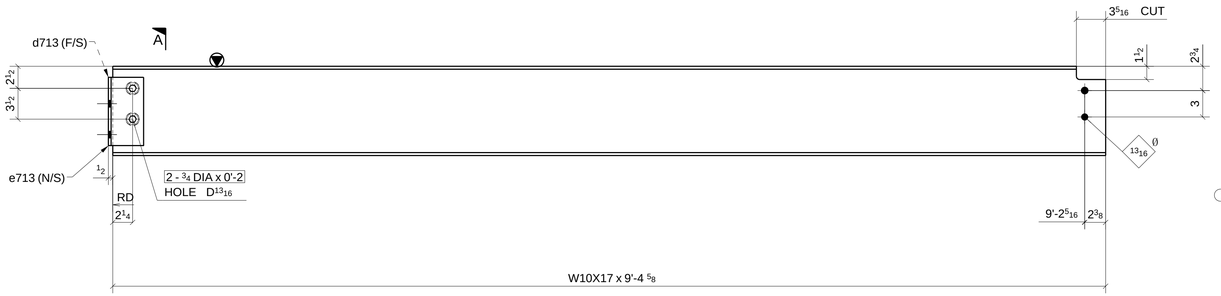
ONE - BEAM ~ 713A

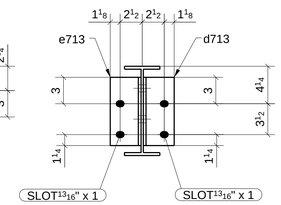
LOCATION: (REF: E7A)
ONE @ 6-7/B.3-C



ONE - BEAM ~ 713B

LOCATION: (REF: E7A)
ONE @ 6-7/B.3-C





SECTION - A

ONE - BEAM ~ 713C

LOCATION: (REF: E7A)
ONE @ 6-7/B.3

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

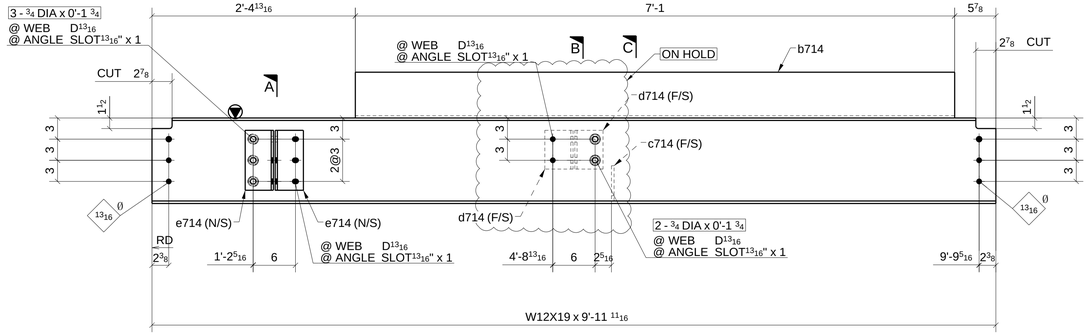
QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	713A	W10X17	9'-4 5/8"	A992	
1	713B	W10X17	9'-4 5/8"	A992	
1	713C	W10X17	9'-4 11/16"	A992	
1	d713	L4X3-1/2X5/16	0'-7 3/4"	A36	
1	e713	L4X3-1/2X5/16	0'-7 3/4"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	

A	FOR APPROVAL		06/28/16
Sequence:	7	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.

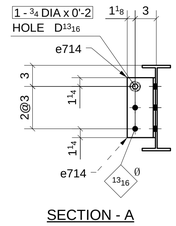
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016
Job No. A16013 BAT: DWG#: 713



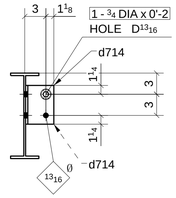
ONE - BEAM ~ 714A

LOCATION: (REF: E7A)

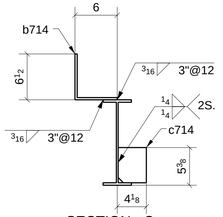
ONE @ 5-6/B.3-C



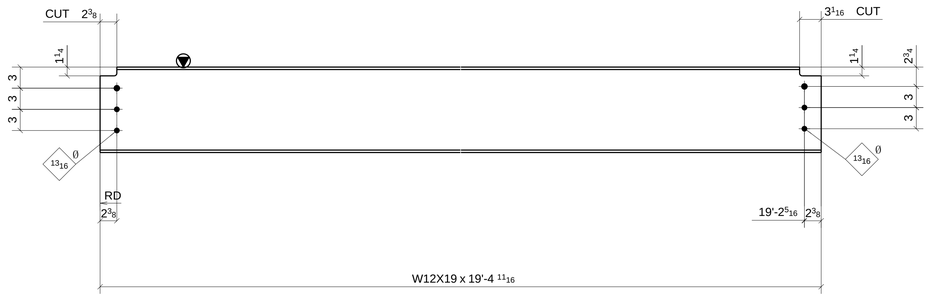
SECTION - A



SECTION - B



SECTION - C



ONE - BEAM ~ 714B

LOCATION: (REF: E7A)

ONE @ 5-6/C.3-D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	714A	W12X19	9'-11 11/16"	A992	
1	b714	BPL5/16"*12"1/2	7'-1"	A36	
1	c714	PL3/8"X4"	0'-5"	A36	
2	d714	L4X4X5/16	0'-5 1/2"	A36	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1	714B	W12X19	19'-4 11/16"	A992	

Romac By: Checked By:

Beamline By: Checked By:

A FOR APPROVAL 06/28/16

Sequence: 7 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

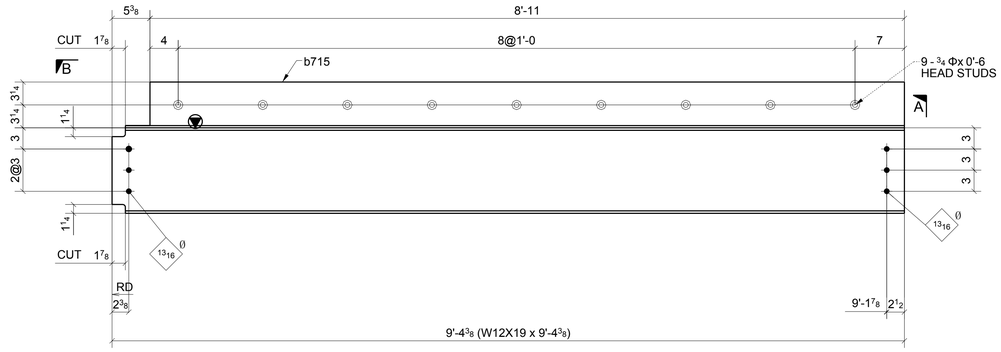
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

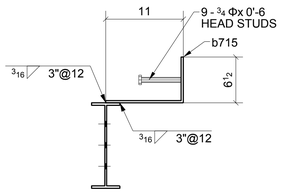
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: DWG#: 714

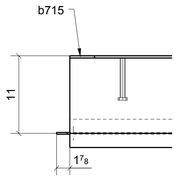


ONE - BEAM ~ 715A

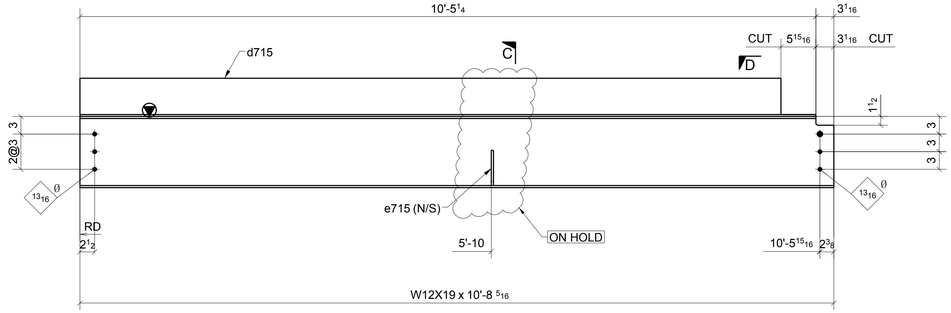
LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C



SECTION - A

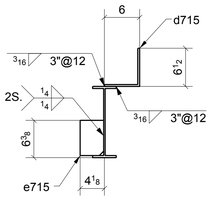


SECTION - B

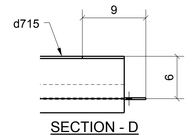


ONE - BEAM ~ 715B

LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C



SECTION - C



SECTION - D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	715A	W12X19	9'-4 3/8"	A992	
1	b715	BPL5/16"*17"1/2	9'-2 1/2"	A36	
9		3/4" STUD	0'-6"		
1	715B	W12X19	10'-8 5/16"	A992	
1	d715	BPL5/16"*12"1/2	10'-5 1/4"	A36	
1	e715	PL3/8"X4"	0'-6"	A36	

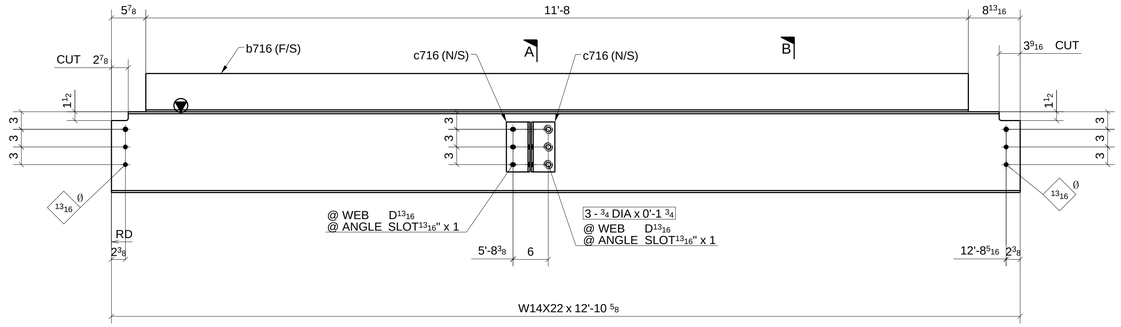
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL		06/28/16

Sequence: 7 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:

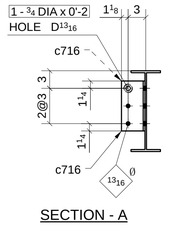
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 715

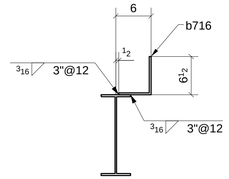


ONE - BEAM ~ 716A

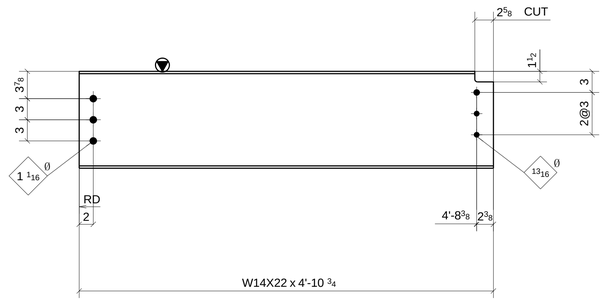
LOCATION: (REF: E7A)
ONE @ 5-6/C.3-D



SECTION - A



SECTION - B



ONE - BEAM ~ 716B

LOCATION: (REF: E7A)
ONE @ 7.1/A.6-B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	716A	W14X22	12'-10 11/16"	A992	
1	b716	BPL5/16"*12	11'-8"	A36	
2	c716	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	
1	716B	W14X22	4'-10 3/4"	A992	

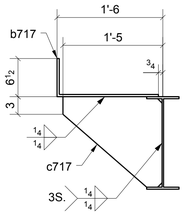
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

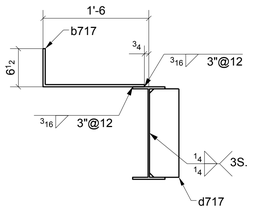
Sequence: 7 Ref. E-Plans: --
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

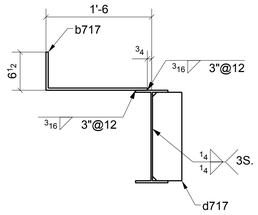
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016
Job No. A16013 BAT: DWG#: 716



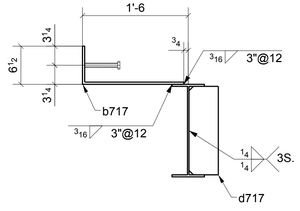
SECTION - A



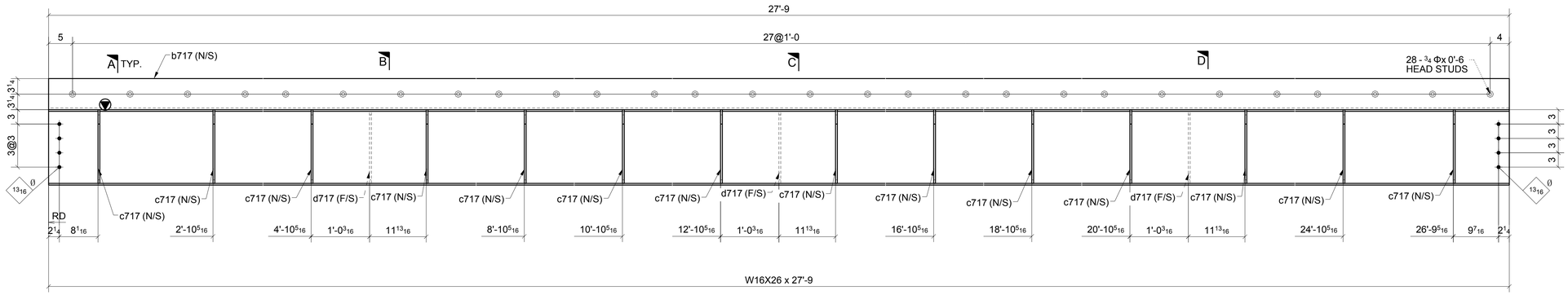
SECTION - B



SECTION - C

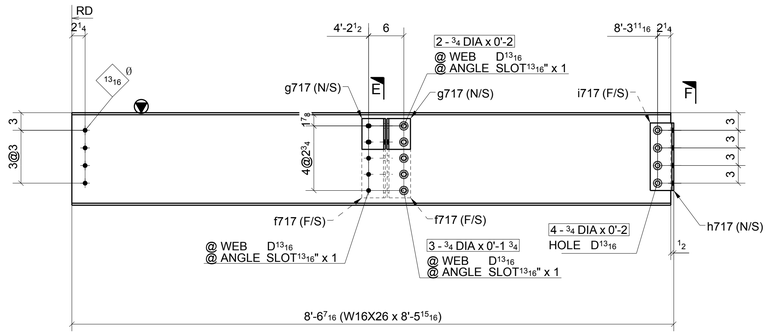


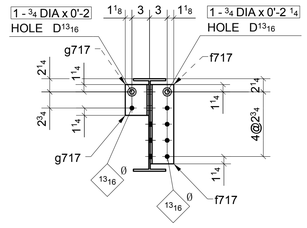
SECTION - D



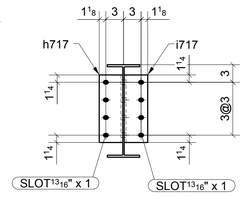
ONE - BEAM ~ 717A

LOCATION: (REF: E7A)
ONE @ 5-6/B





SECTION - E



SECTION - F

ONE - BEAM ~ 717B

LOCATION: (REF: E7A)
ONE @ 6/B-B.3

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	717A	W16X26	27'-9"	A992	
1	b717	BPL3/8"X23 3/4"	27'-9"	A36	
14	c717	PL3/8"X15 3/8"	1'-4 7/8"	A36	
3	d717	PL3/8"X5"	1'-3 1/16"	A36	
28		3/4" STUD	0'-6"		
1	717B	W16X26	8'-5 15/16"	A992	
2	f717	L4X4X5/16	1'-1 1/2"	A36	
2	g717	L4X4X5/16	0'-5 1/4"	A36	
1	h717	L4X4X5/16	0'-11 1/2"	A36	
1	i717	L4X4X5/16	0'-11 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"	A325N TC	
1		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	

Romac By: _____ Checked By: _____

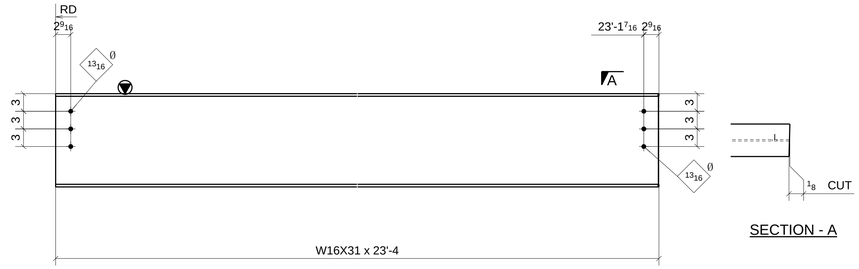
Beamline By: _____ Checked By: _____

A	FOR APPROVAL	06/28/16

Sequence: 7 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: 06/24/2016 Ckd: LJ Date: 06/24/2016
Job No. A16013 BAT: _____ DWG#: 717

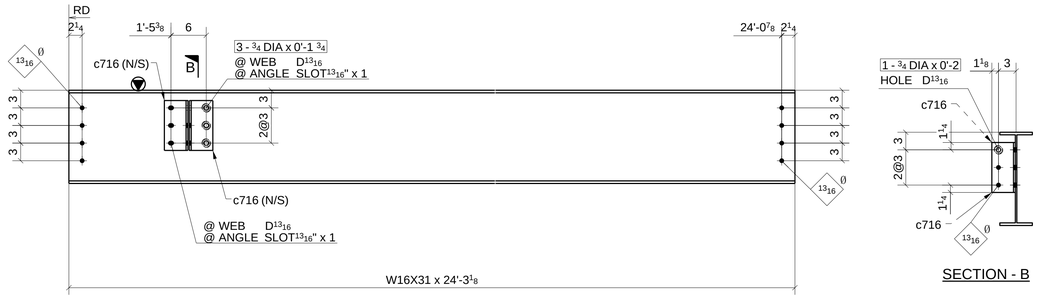


SECTION - A

ONE - BEAM ~ 718A

LOCATION: (REF: E7A)

ONE @ 7-8/B



SECTION - B

ONE - BEAM ~ 718B

LOCATION: (REF: E7A)

ONE @ 7-8/A.6-B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	718A	W16X31	23'-4"	A992	
1	718B	W16X31	24'-3 1/8"	A992	
2	c716	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	

A	FOR APPROVAL		06/28/16
Sequence:	7	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

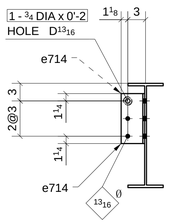
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

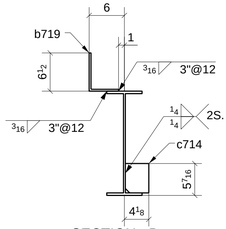
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

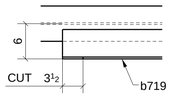
Job No. A16013 BAT: DWG#: 718



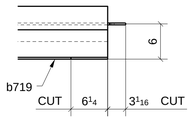
SECTION - A



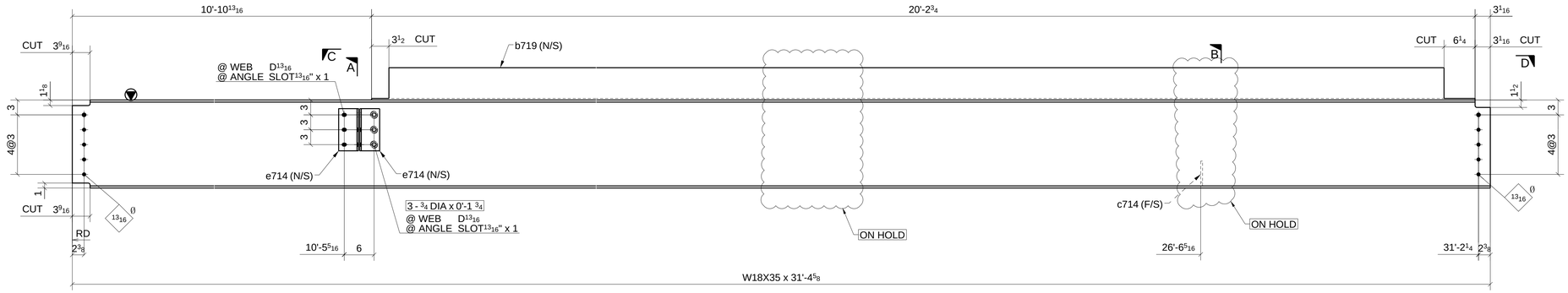
SECTION - B



SECTION - C

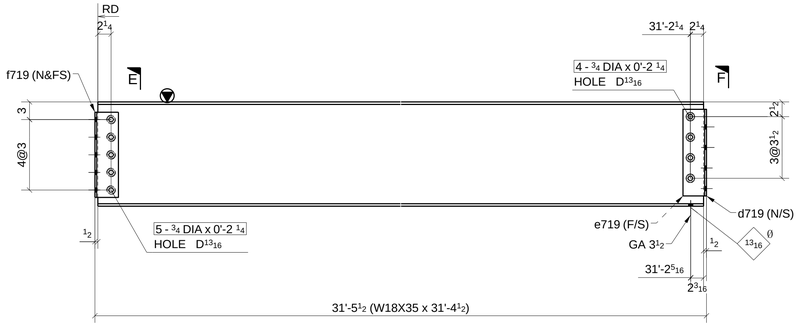


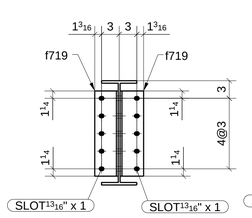
SECTION - D



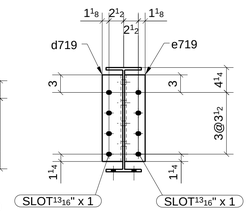
ONE - BEAM ~ 719A

LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C





SECTION - E



SECTION - F

ONE - BEAM ~ 719B

LOCATION: (REF: E7A)
ONE @ 5-6/C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	719A	W18X35	31'-4 5/8"	A992	
1	b719	BPL5/16"*11"1/2	20'-2 3/4"	A36	
1	c714	PL3/8"X4"	0'-5"	A36	
2	e714	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	
1	719B	W18X35	31'-4 1/2"	A992	
1	d719	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	e719	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	f719	L4X4X5/16	1'-2 1/2"	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	

Romac By: Checked By:

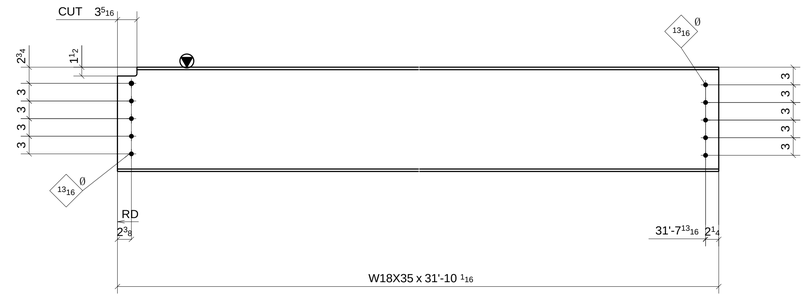
Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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:

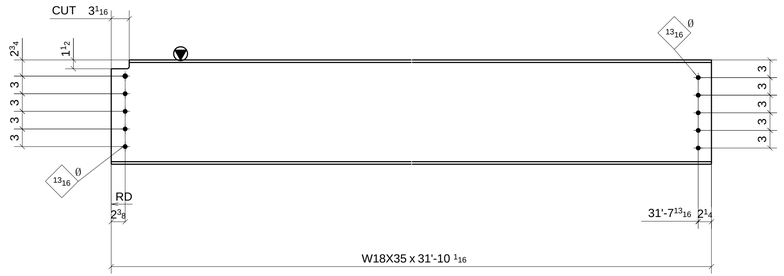
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 719



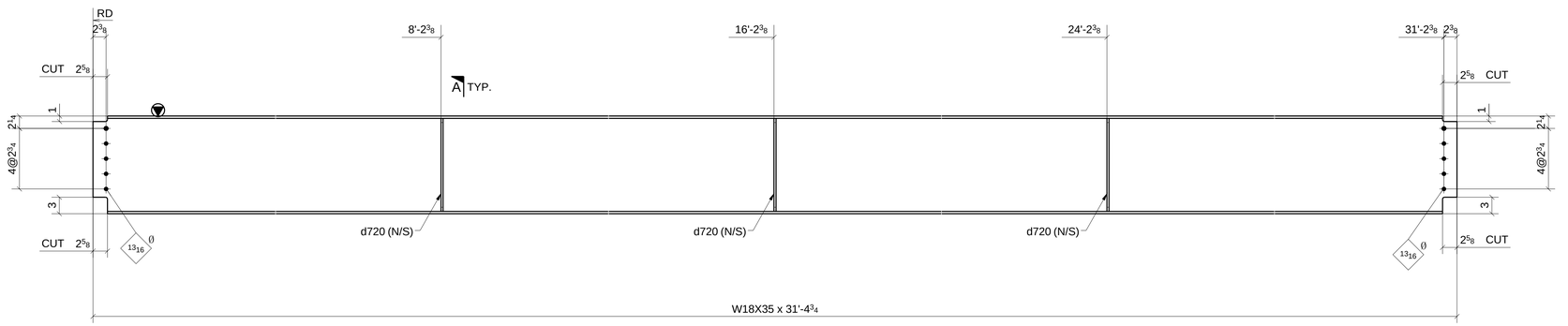
3 - BEAMS ~ 720A

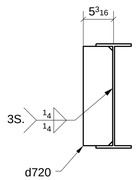
LOCATION: (REF: E7A)
ONE @ 7-8/B.3
ONE @ 7-8/B.3-C
ONE @ 7-8/B.3-C



ONE - BEAM ~ 720B

LOCATION: (REF: E7A)
ONE @ 7-8/C.3





SECTION - A

ONE - BEAM ~ 720C

LOCATION: (REF: E7A)
ONE @ 5-6/B-B.3

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
3	720A	W18X35	31'-10 1/16"	A992	
1	720B	W18X35	31'-10 1/16"	A992	
1	720C	W18X35	31'-4 3/4"	A992	
3	d720	PL3/8"X5"	1'-4 7/8"	A36	

Romac By: Checked By:

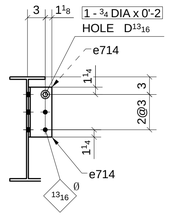
Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

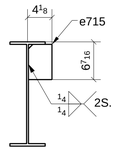
Sequence: 7 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

ATLAS IRON WORKS
ST. LOUIS, MO.

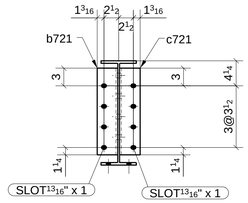
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016
Job No. A16013 BAT: DWG#: 720



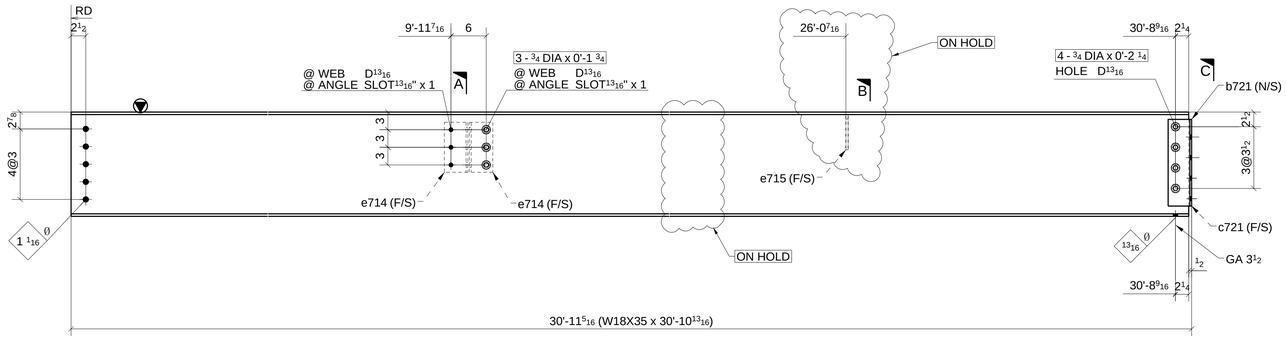
SECTION - A



SECTION - B

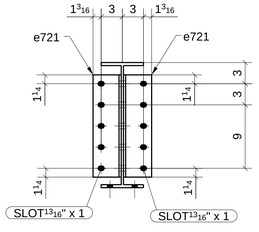


SECTION - C

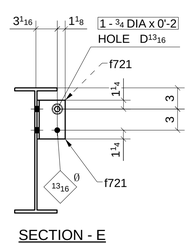


ONE - BEAM ~ 721A

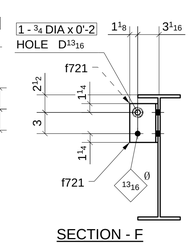
LOCATION: (REF: E7A)
ONE @ 5-6/B.3



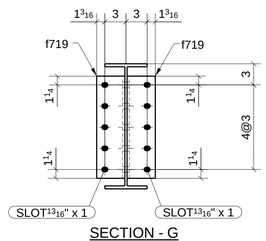
SECTION - D



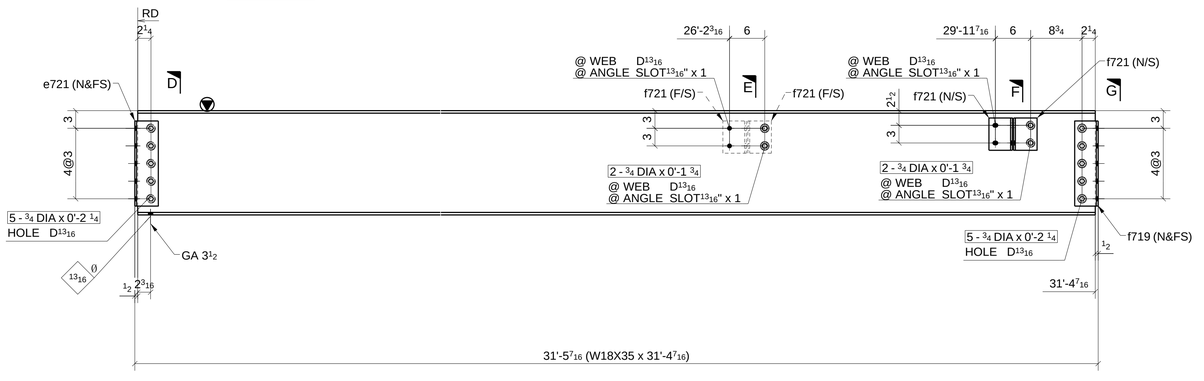
SECTION - E



SECTION - F



SECTION - G



ONE - BEAM ~ 721B

LOCATION: (REF: E7A)
ONE @ 7-8/D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	721A	W18X35	30'-10 13/16"	A992	
1	b721	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	c721	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
1	e715	PL3/8"X4"	0'-6"	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	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
1	721B	W18X35	31'-4 7/16"	A992	
2	e721	L4X4X5/16	1'-2 1/2"	A36	
2	f719	L4X4X5/16	1'-2 1/2"	A36	
4	f721	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	

Romac By: Checked By:

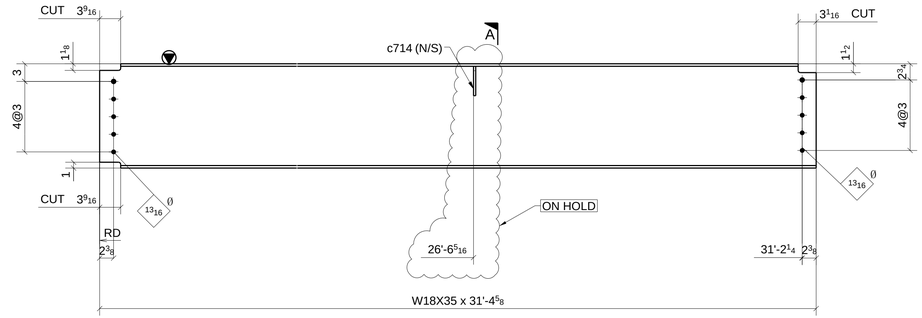
Beamline By: Checked By:

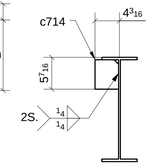
A	FOR APPROVAL	06/28/16

Sequence: 7 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: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 721





SECTION - A

ONE - BEAM ~ 722A

LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C

SECTION - B

SECTION - C

ONE - BEAM ~ 722B

LOCATION: (REF: E7A)
ONE @ 7-8/C

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	722A	W18X35	31'-4 5/8"	A992	
1	c714	PL3/8"X4"	0'-5"	A36	
1	722B	W18X35	31'-4 1/2"	A992	
2	c722	L4X4X5/16	1'-2 1/2"	A36	
2	e721	L4X4X5/16	1'-2 1/2"	A36	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	

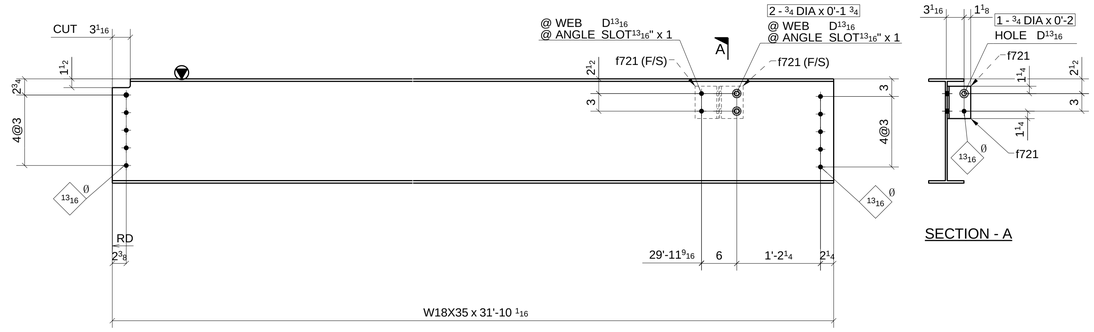
A	FOR APPROVAL	06/28/16

Sequence: 7 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.

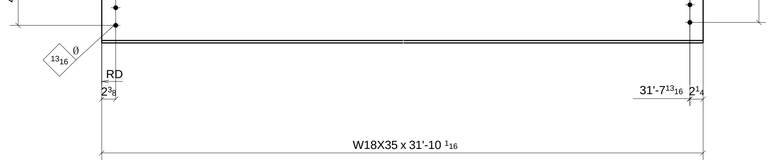
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 722



ONE - BEAM ~ 723A

LOCATION: (REF: E7A)

ONE @ 7-8/C.3-D



ONE - BEAM ~ 723B

LOCATION: (REF: E7A)

ONE @ 7-8/B-B.3

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	723A	W18X35	31'-10 1/16"	A992	
2	f721	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	723B	W18X35	31'-10 1/16"	A992	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

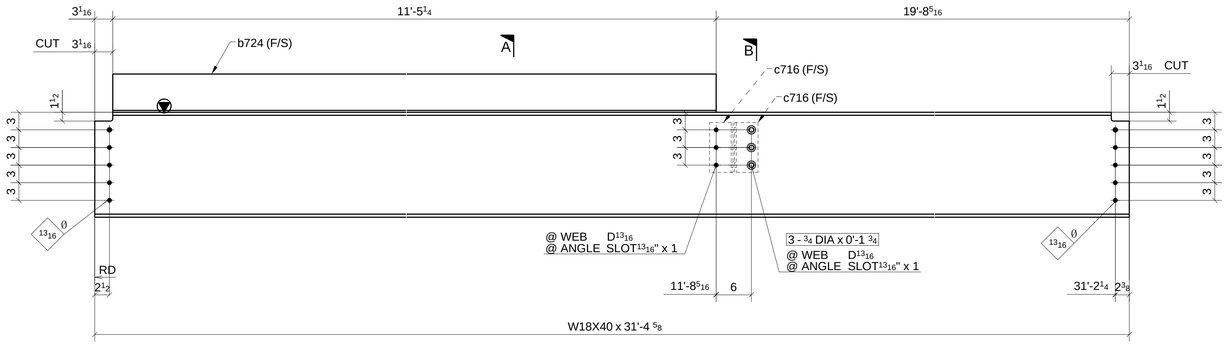
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

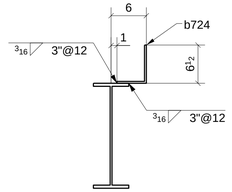
Job No. A16013 BAT: DWG#: 723



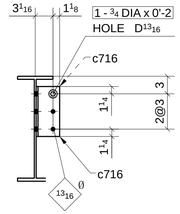
ONE - BEAM ~ 724A

LOCATION: (REF: E7A)

ONE @ 5-6/C.3



SECTION - A



SECTION - B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	724A	W18X40	31'-4 5/8"	A992	
1	b724	BPL5/16"*11"1/2	11'-5 1/4"	A36	
2	c716	L4X4X5/16	0'-8 1/2"	A36	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N_TC	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL		06/28/16

Sequence: 7 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

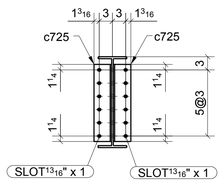
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

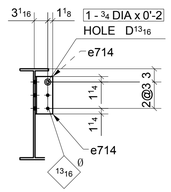
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

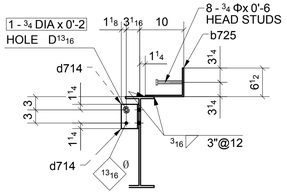
Job No. A16013 BAT: DWG#: 724



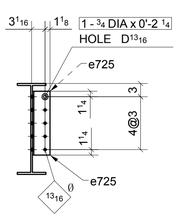
SECTION - A



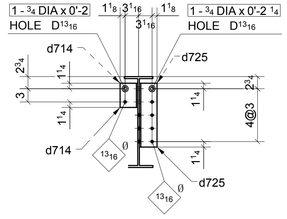
SECTION - B



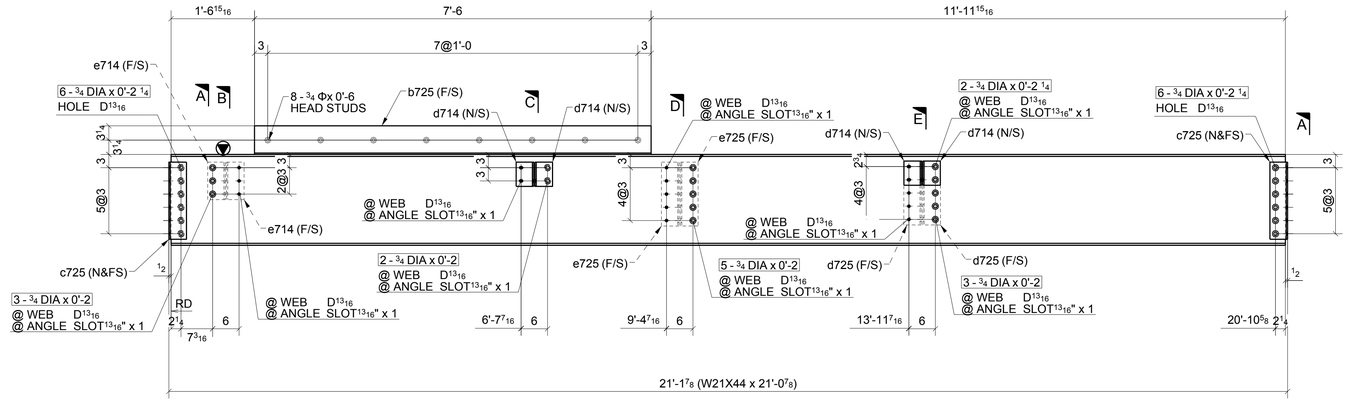
SECTION - C



SECTION - D

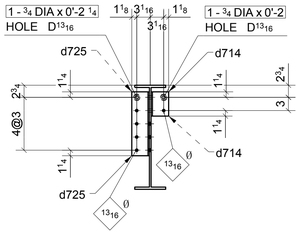


SECTION - E

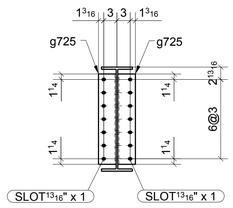


ONE - BEAM ~ 725A

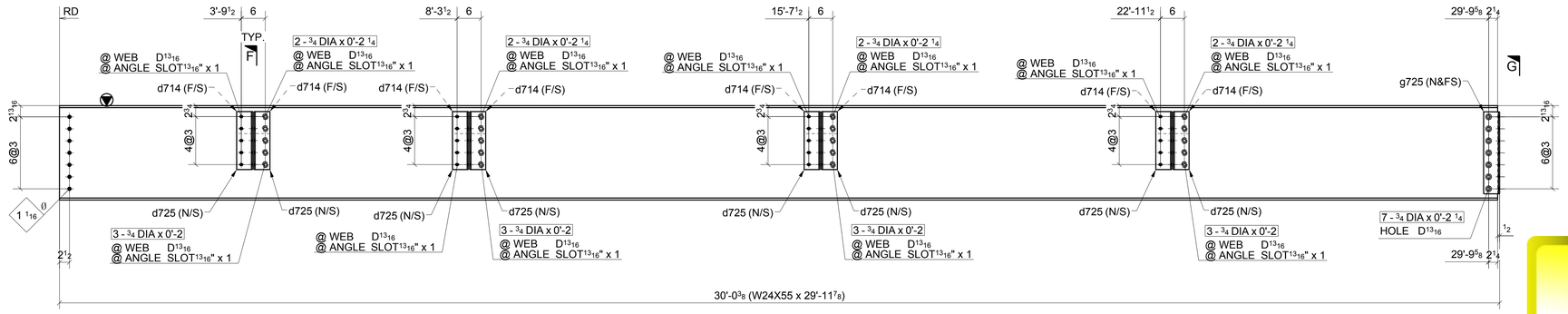
LOCATION: (REF: E7A)
ONE @ 6/B.3-C



SECTION - F



SECTION - G



ONE - BEAM ~ 725B

LOCATION: (REF: E7A)
ONE @ 7/B-C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	725A	W21X44	21'-0 7/8"	A992	
1	b725	BPL5/16"*15"*1/4	7'-6"	A36	
4	c725	L4X4X5/16	1'-5 1/2"	A36	
4	d714	L4X4X5/16	0'-5 1/2"	A36	
2	d725	L4X4X5/16	1'-2 1/2"	A36	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
2	e725	L4X4X5/16	1'-2 1/2"	A36	
5		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		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	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
6		3/4" DIA. W/N&W	0'-2"	A325N_TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
8		3/4" STUD	0'-6"		
1	725B	W24X55	29'-11 7/8"	A992	
8	d714	L4X4X5/16	0'-5 1/2"	A36	
8	d725	L4X4X5/16	1'-2 1/2"	A36	
2	g725	L4X4X5/16	1'-8 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
7		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
12		3/4" DIA. W/N&W	0'-2"	A325N_TC	

Romac By: Checked By:

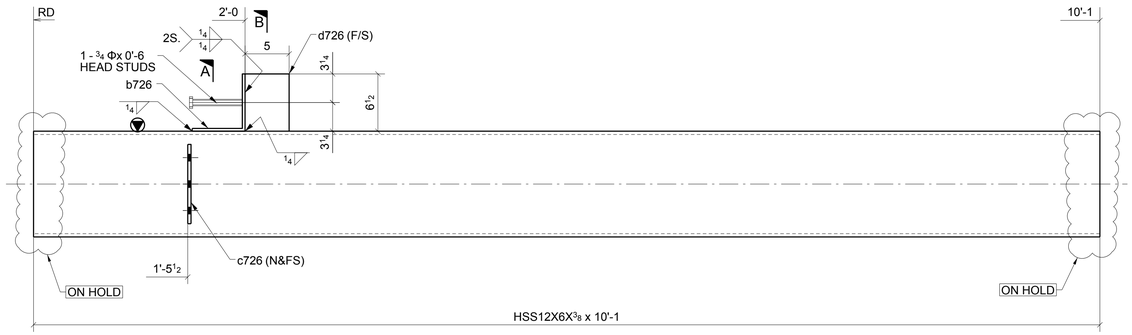
Beamline By: Checked By:

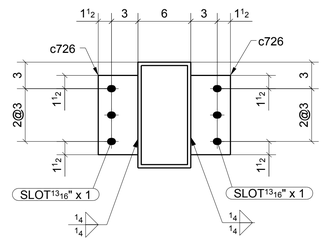
A	FOR APPROVAL	06/28/16

Sequence: 7 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:

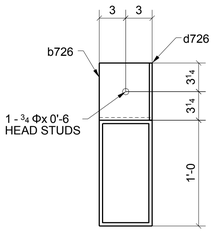
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 725





SECTION - A



SECTION - B

ONE - BEAM ~ 726A

LOCATION: (REF: E7A)
ONE @ 5-6/B.3-C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	726A	HSS12X6X3/8	10'-1"	A500-GR.B	46
1	b726	BPL5/16""12"1/2	0'-6"	A36	
2	c726	PL3/8"X4 1/2"	0'-9"	A36	
1	d726	PL5/16"X5"	0'-6 1/2"	A36	
1		3/4" STUD	0'-6"		

A	FOR APPROVAL					06/28/16

Sequence: 7 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: 06/24/2016 Ckd: LJ Date: 06/27/2016
Job No. A16013 BAT: DWG#: 726

ONE - VERTICAL BRACE ~ 727A

(REF: E7C)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	727A	HSS10X10X1/2	28'-0 1/16"	A500-GR.B;46	
2	b727	PL1/4"X4 5/8"	0'-10"	A36	
2	f135	PL1/4"X4 5/8"	0'-10"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16

Sequence: 7 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

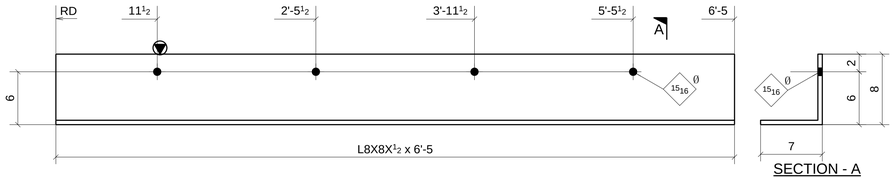
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

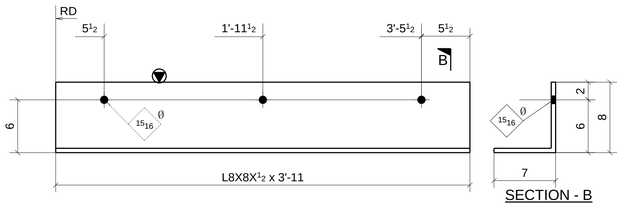
Job No. A16013 BAT: _____ DWG#: 727



SECTION - A

ONE - SUPPORT ANGLE ~ 728A

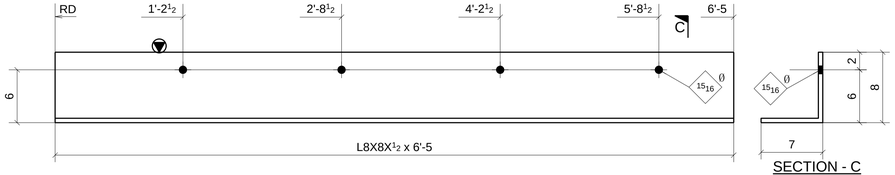
(REF: E7A)



SECTION - B

ONE - SUPPORT ANGLE ~ 728B

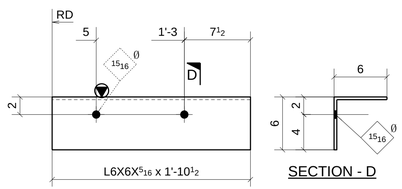
(REF: E7A)



SECTION - C

ONE - SUPPORT ANGLE ~ 728C

(REF: E7A)



SECTION - D

ONE - SUPPORT ANGLE ~ 728D

(REF: E7A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	728A	L8X8X1/2	6'-5"	A36	
1	728B	L8X8X1/2	3'-11"	A36	
1	728C	L8X8X1/2	6'-5"	A36	
1	728D	L6X6X5/16	1'-10 1/2"	A36	

FOR APPROVAL

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16

Sequence: 7 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

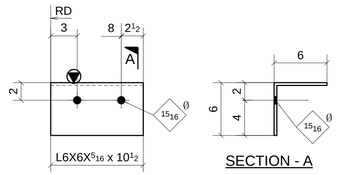
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

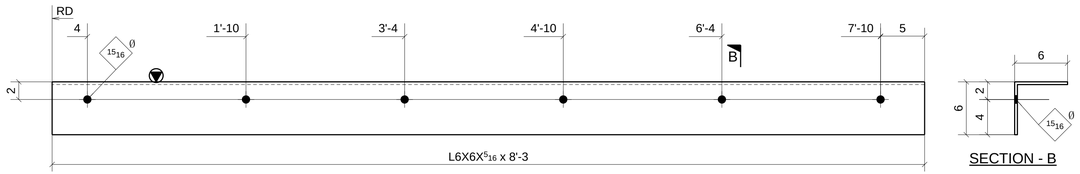
Job No. A16013 BAT: _____ DWG#: 728



SECTION - A

ONE - SUPPORT ANGLE ~ 729A

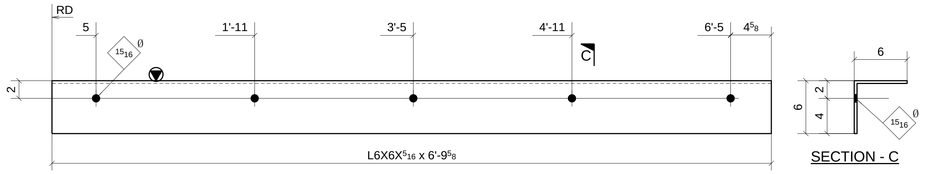
(REF: E7A)



SECTION - B

ONE - SUPPORT ANGLE ~ 729B

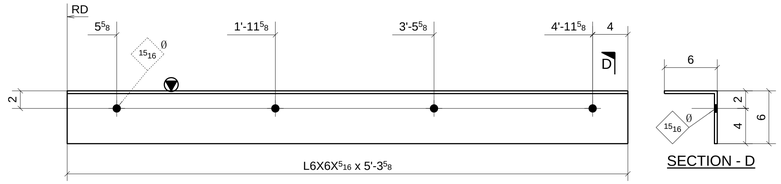
(REF: E7A)



SECTION - C

ONE - SUPPORT ANGLE ~ 729C

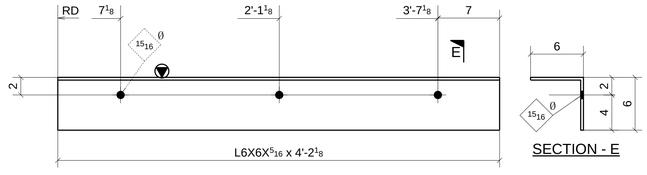
(REF: E7A)



SECTION - D

ONE - SUPPORT ANGLE ~ 729D

(REF: E7A)



SECTION - E

ONE - SUPPORT ANGLE ~ 729F

(REF: E7A)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	729A	L6X6X5/16	0'-10 1/2"	A36	
1	729B	L6X6X5/16	8'-3"	A36	
1	729C	L6X6X5/16	6'-9 5/8"	A36	
1	729D	L6X6X5/16	5'-3 5/8"	A36	
1	729F	L6X6X5/16	4'-2 1/8"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	06/28/16

Sequence: 7 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

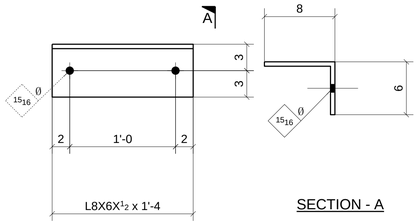
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

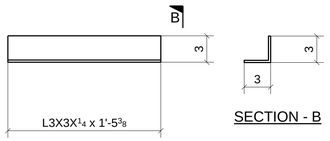
Job No. A16013 BAT: _____ DWG#: 729



SECTION - A

2 - SUPPORT ANGLES ~ 730A

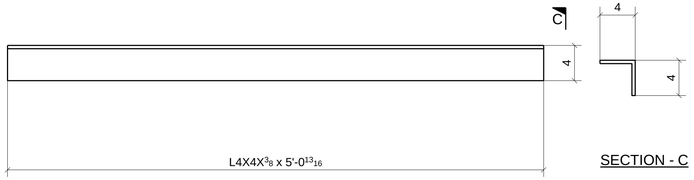
(REF: E7A,E7B)



SECTION - B

2 - SUPPORT ANGLES ~ 730B

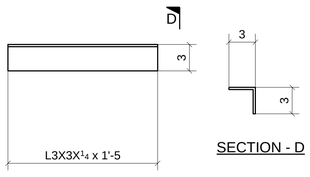
(REF: E7A,E7B)



SECTION - C

3 - SUPPORT ANGLES ~ 730C

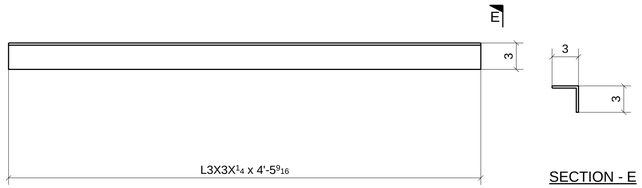
(REF: E7A)



SECTION - D

2 - SUPPORT ANGLES ~ 730D

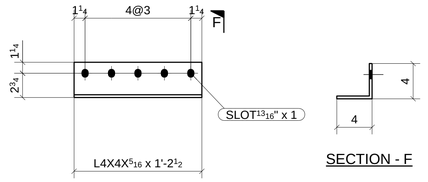
(REF: E7A,E7B)



SECTION - E

2 - SUPPORT ANGLES ~ 730F

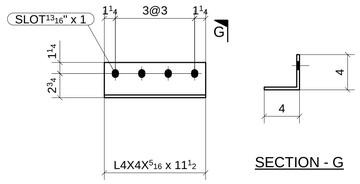
(REF: E7A,E7B)



SECTION - F

12 - SUPPORT ANGLES ~ 730H

(REF: E7A,E7B)



SECTION - G

10 - SUPPORT ANGLES ~ 730K

(REF: E7A)

FOR APPROVAL

A	FOR APPROVAL		06/28/16

Sequence: 7 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
2	730A	L8X6X1/2	1'-4"	A36	
2	730B	L3X3X1/4	1'-5 3/8"	A36	
3	730C	L4X4X3/8	5'-0 13/16"	A36	
2	730D	L3X3X1/4	1'-5"	A36	
2	730F	L3X3X1/4	4'-5 9/16"	A36	
12	730H	L4X4X5/16	1'-2 1/2"	A36	
10	730K	L4X4X5/16	0'-11 1/2"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

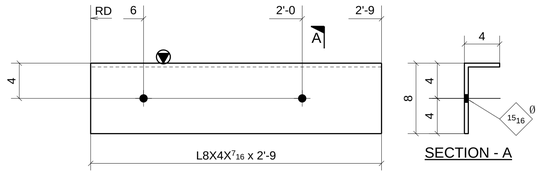
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

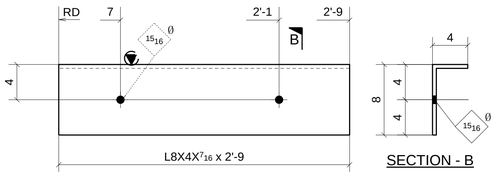
Job No. A16013 BAT: _____ DWG#: 730



SECTION - A

ONE - SUPPORT ANGLE ~ 731A

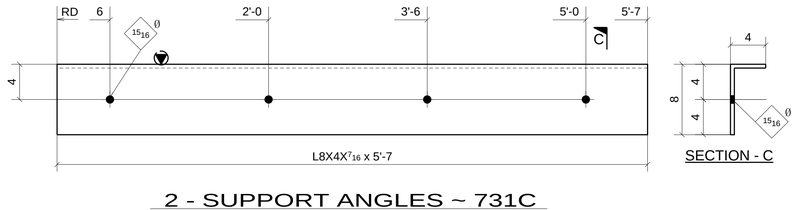
(REF: E7A)



SECTION - B

ONE - SUPPORT ANGLE ~ 731B

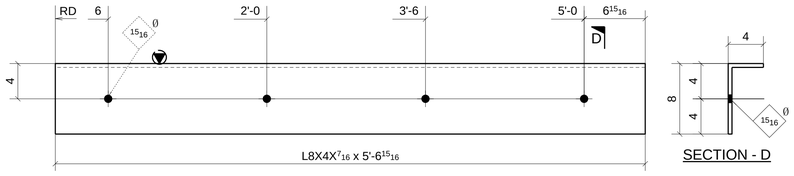
(REF: E7A)



SECTION - C

2 - SUPPORT ANGLES ~ 731C

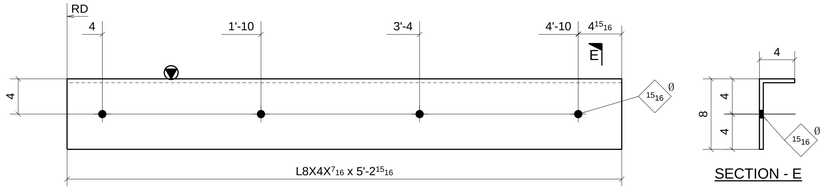
(REF: E7A)



SECTION - D

ONE - SUPPORT ANGLE ~ 731D

(REF: E7A)



SECTION - E

ONE - SUPPORT ANGLE ~ 731F

(REF: E7A)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	731A	L8X4X7/16	2'-9"	A36	
1	731B	L8X4X7/16	2'-9"	A36	
2	731C	L8X4X7/16	5'-7"	A36	
1	731D	L8X4X7/16	5'-6 15/16"	A36	
1	731F	L8X4X7/16	5'-2 15/16"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16

Sequence: 7 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

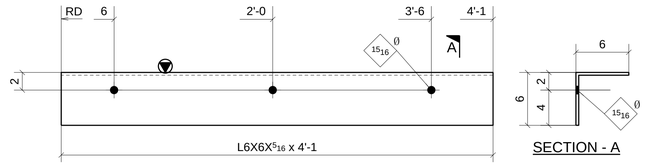
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

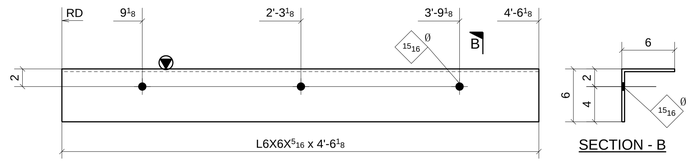
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: _____ DWG#: 731



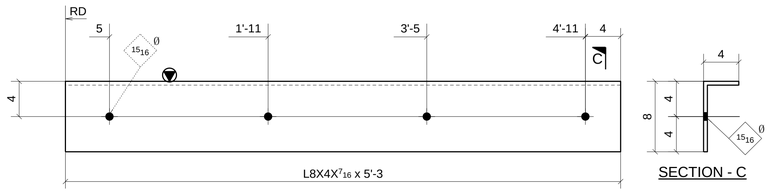
ONE - SUPPORT ANGLE ~ 732A

(REF: E7A)



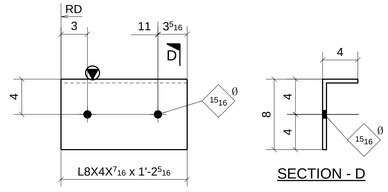
ONE - SUPPORT ANGLE ~ 732B

(REF: E7A)



ONE - SUPPORT ANGLE ~ 732C

(REF: E7A)



ONE - SUPPORT ANGLE ~ 732D

(REF: E7A)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	732A	L6X6X5/16	4'-1"	A36	
1	732B	L6X6X5/16	4'-6 1/8"	A36	
1	732C	L8X4X7/16	5'-3"	A36	
1	732D	L8X4X7/16	1'-2 5/16"	A36	

FOR APPROVAL

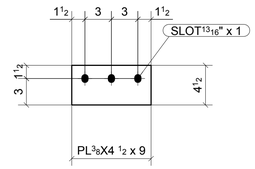
Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL		06/28/16
Sequence:	7	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:	

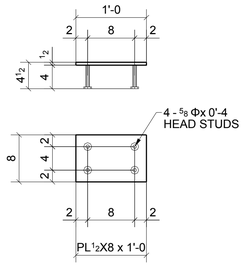
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	ZZ	Date: 06/24/2016	Ckd: LJ	Date:	06/24/2016
Job No.	A16013	BAT:		DWG#:	732



ONE - PLATE ~ 733A

(REF: E7A)



6 - EMBED PLATES ~ 733B

(REF: E7A,E7B)

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	733A	PL3/8"X4 1/2"	0'-9"	A36	
6	733B	PL1/2"X8"	1'-0"	A36	
4		5/8" STUD	0'-4"		

FOR APPROVAL

A	FOR APPROVAL		06/28/16

Sequence: 7 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

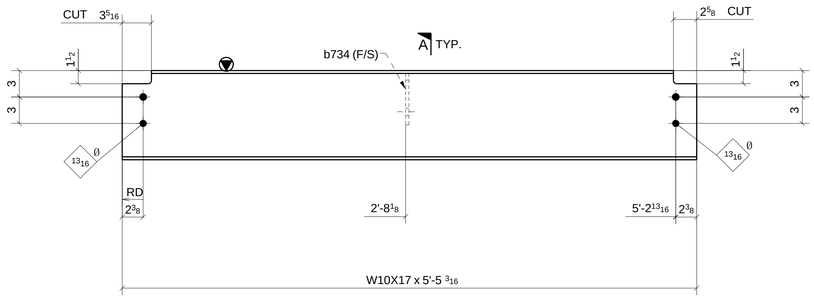
Customer: PARIC CORPORATION

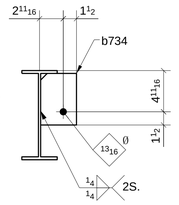
Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

Job No. A16013 BAT: DWG#: 733

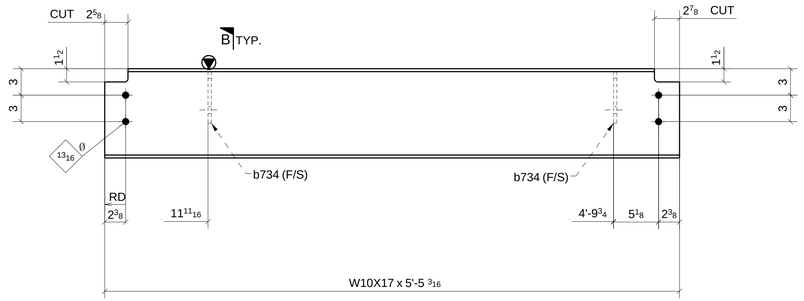


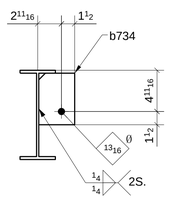


SECTION - A

ONE - BEAM ~ 734A

LOCATION: (REF: E7B)
ONE @ 7.1-8/A.6-B

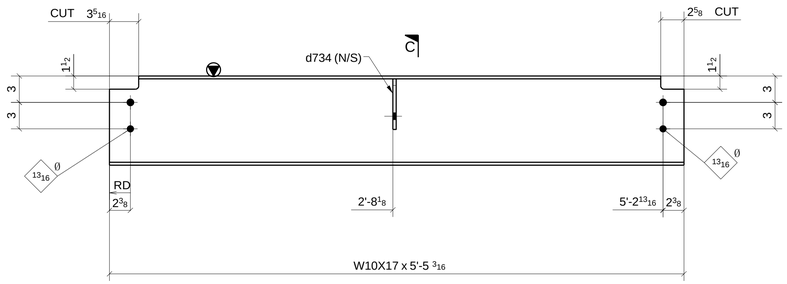


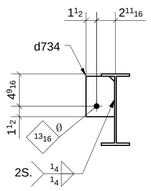


SECTION - B

ONE - BEAM ~ 734B

LOCATION: (REF: E7B)
ONE @ 7.1-8/A.6-B





SECTION - C

ONE - BEAM ~ 734C

LOCATION: (REF: E7B)
ONE @ 7.1-8/A.6-B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	734A	W10X17	5'-5 3/16"	A992	
1	b734	PL3/8"X4 1/16"	0'-5 7/8"	A36	
1	734B	W10X17	5'-5 1/4"	A992	
2	b734	PL3/8"X4 1/16"	0'-5 7/8"	A36	
1	734C	W10X17	5'-5 3/16"	A992	
1	d734	PL3/8"X4 1/16"	0'-5 3/4"	A36	

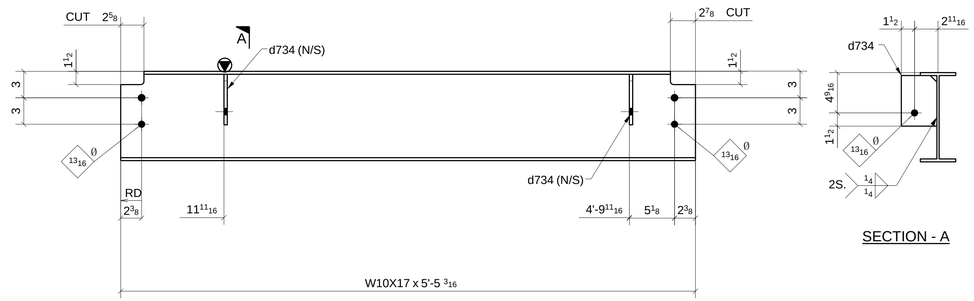
A	FOR APPROVAL			06/28/16
Sequence:	7		Ref. E-Plans:	–
Material:	A992	U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.		Bolts:	NOTED
Cleaning:	NONE			
Paint:	NO			
DFT:			COLOR:	

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

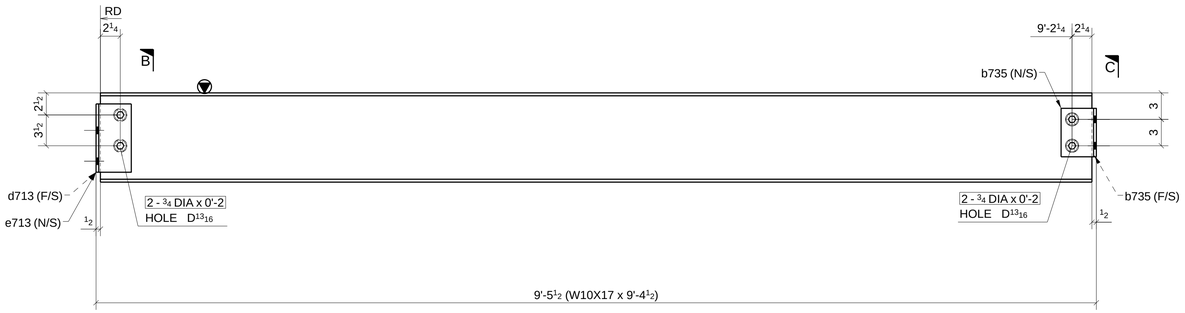
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016
Job No. A16013 BAT: DWG#: 734

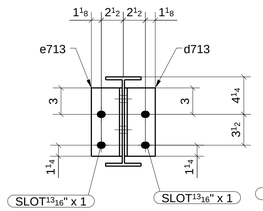


SECTION - A

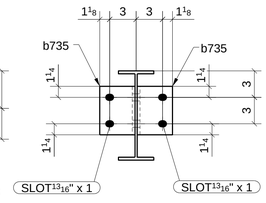
ONE - BEAM ~ 735A

LOCATION: (REF: E7B)
ONE @ 7.1-8/A.6-B





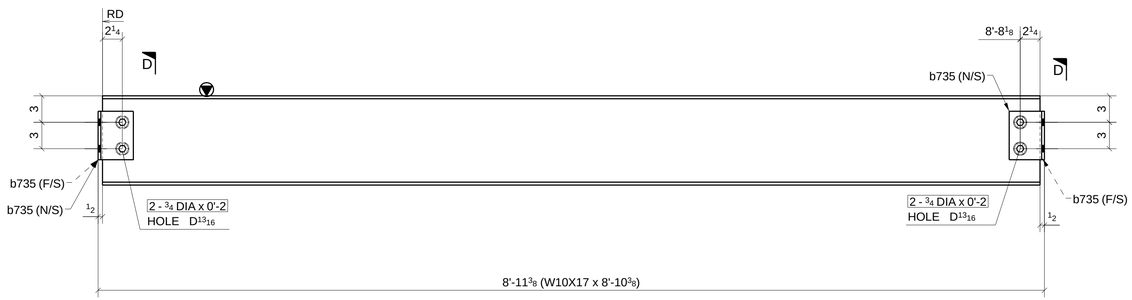
SECTION - B

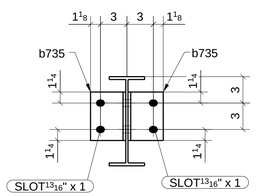


SECTION - C

ONE - BEAM ~ 735B

LOCATION: (REF: E7B)
ONE @ 6-7/C





SECTION - D

ONE - BEAM ~ 735C

LOCATION: (REF: E7B)
ONE @ 6-7/D

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	735A	W10X17	5'-5 1/4"	A992	
2	d734	PL3/8"X4 1/16"	0'-5 3/4"	A36	
1	735B	W10X17	9'-4 1/2"	A992	
2	b735	L4X4X5/16	0'-5 1/2"	A36	
1	d713	L4X3-1/2X5/16	0'-7 3/4"	A36	
1	e713	L4X3-1/2X5/16	0'-7 3/4"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	735C	W10X17	8'-10 3/8"	A992	
4	b735	L4X4X5/16	0'-5 1/2"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	

Romac By: Checked By:

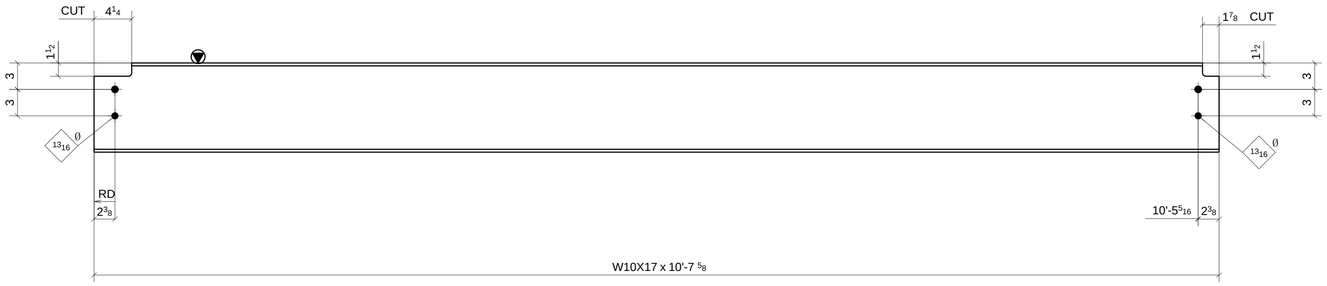
Beamline By: Checked By:

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: 06/24/2016	Ckd: LJ Date: 06/27/2016
Job No.	A16013	BAT:	DWG#: 735

A FOR APPROVAL 06/28/16

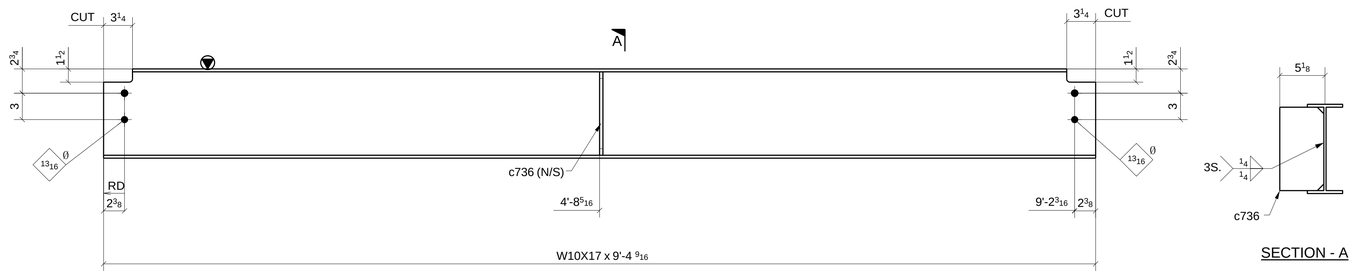
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



ONE - BEAM ~ 736A

LOCATION: (REF: E7B)

ONE @ 5-6/B.3-C

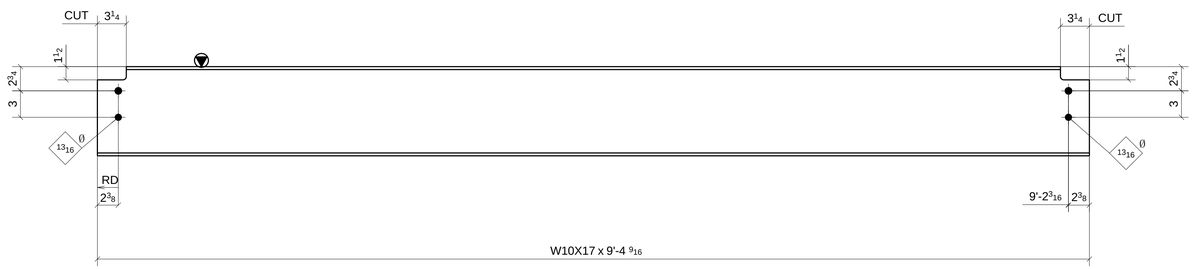


SECTION - A

ONE - BEAM ~ 736B

LOCATION: (REF: E7B)

ONE @ 6-7/B-B.3



ONE - BEAM ~ 736C

LOCATION: (REF: E7B)

ONE @ 6-7/B.3-C

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	736A	W10X17	10'-7 11/16"	A992	
1	736B	W10X17	9'-4 9/16"	A992	
1	c736	PL3/8"X5"	0'-9 7/16"	A36	
1	736C	W10X17	9'-4 9/16"	A992	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

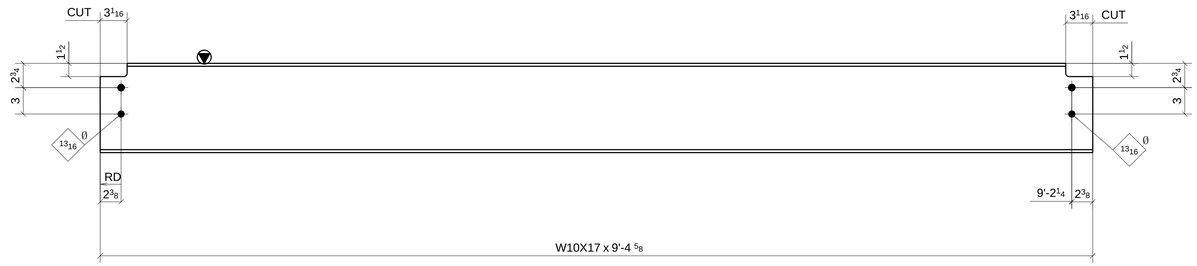
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

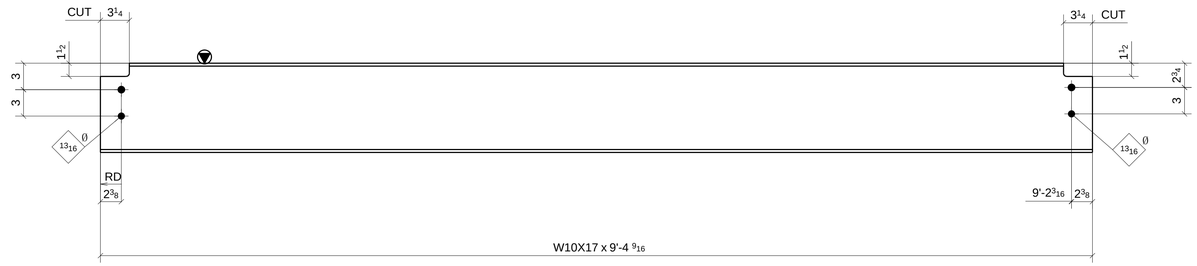
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

Job No. A16013 BAT: DWG#: 736



ONE - BEAM ~ 737A

LOCATION: (REF: E7B)
ONE @ 6-7/C.3-D



ONE - BEAM ~ 737B

LOCATION: (REF: E7B)
ONE @ 6-7/B.3-C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	737A	W10X17	9'-4 5/8"	A992	
1	737B	W10X17	9'-4 9/16"	A992	

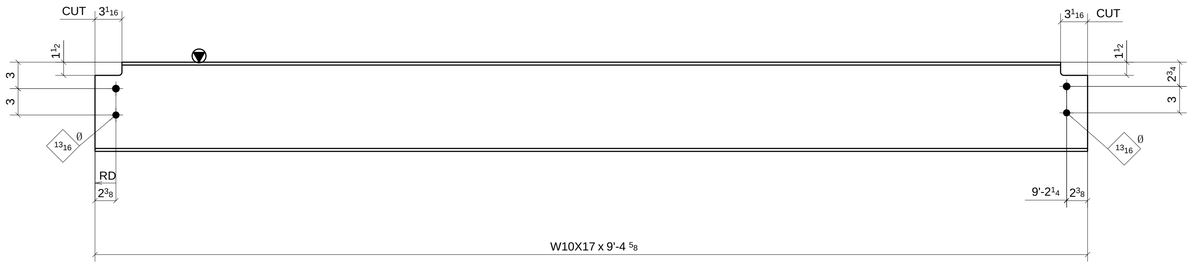
Romac By: Checked By:
Beamline By: Checked By:

A FOR APPROVAL 06/28/16

Sequence: 7 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.

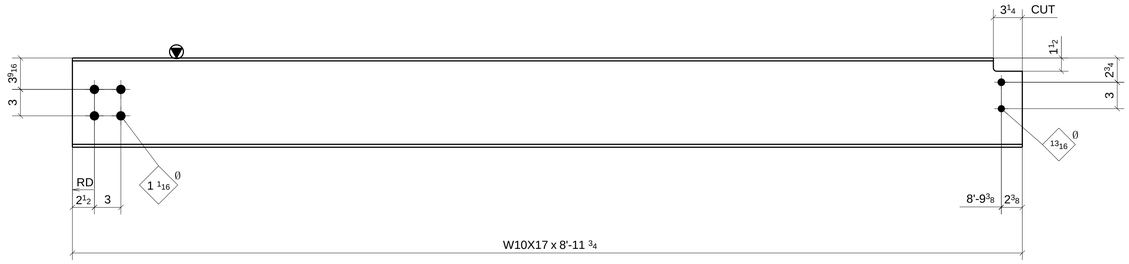
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016
Job No. A16013 BAT: DWG#: 737



ONE - BEAM ~ 738A

LOCATION: (REF: E7B)

ONE @ 6-7/C.3



ONE - BEAM ~ 738B

LOCATION: (REF: E7B)

ONE @ 6-7/B.3

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	738A	W10X17	9'-4 5/8"	A992	
1	738B	W10X17	8'-11 13/16"	A992	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL		06/28/16

Sequence: 7 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

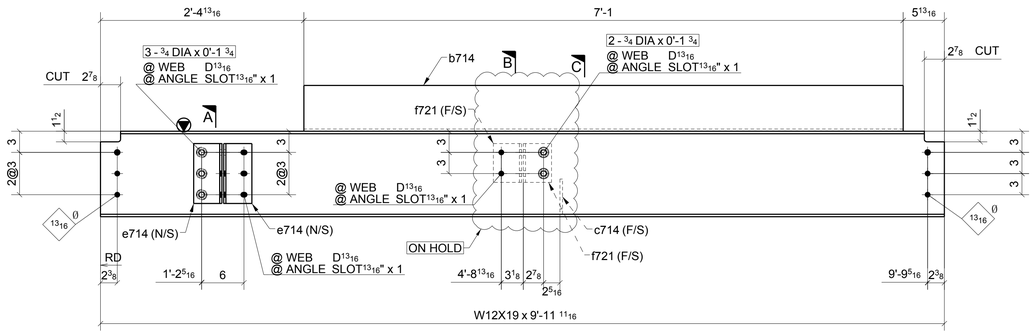
Customer: PARIC CORPORATION

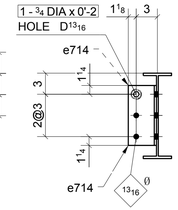
Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

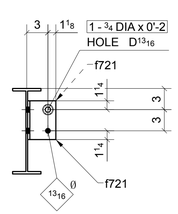
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

Job No. A16013 BAT: DWG#: 738

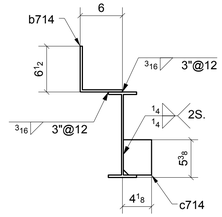




SECTION - A



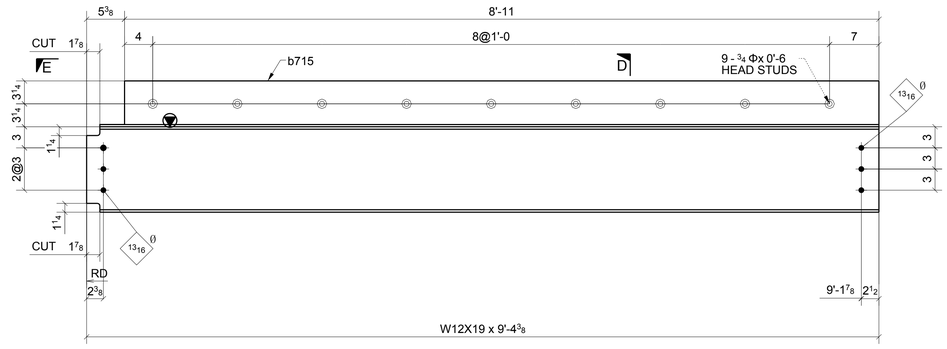
SECTION - B

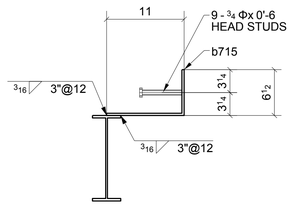


SECTION - C

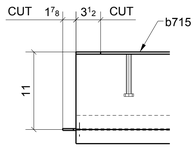
ONE - BEAM ~ 739A

LOCATION: (REF: E7B)
ONE @ 5-6/B.3-C





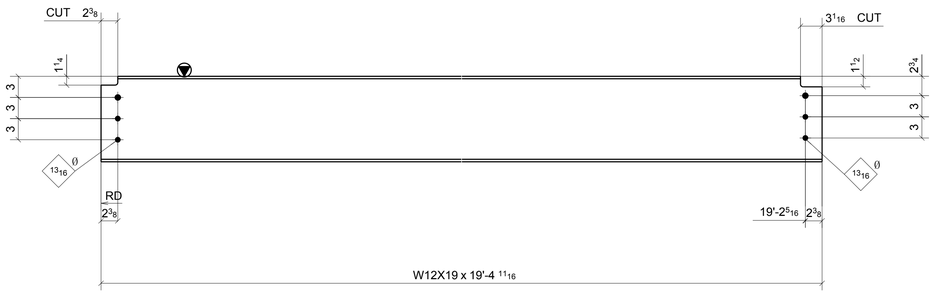
SECTION - D



SECTION - E

ONE - BEAM ~ 739B

LOCATION: (REF: E7B)
ONE @ 5-6/B.3-C



ONE - BEAM ~ 739C

LOCATION: (REF: E7B)
ONE @ 5-6/C.3-D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

A	FOR APPROVAL		06/28/16
Sequence:	7	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:	

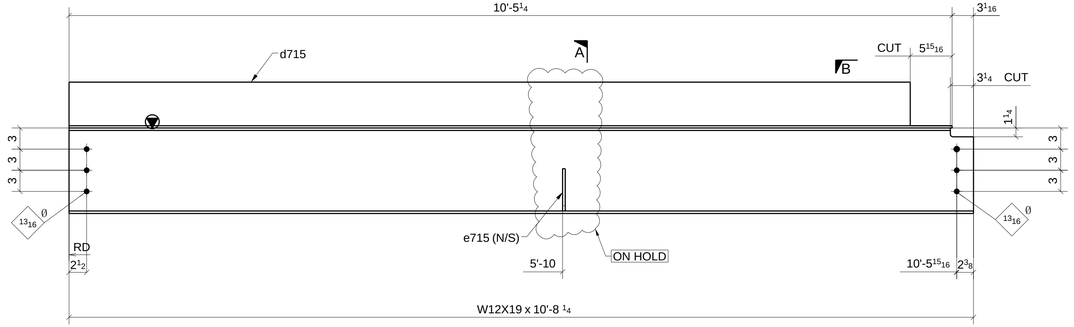
MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	739A	W12X19	9'-11 11/16"	A992	
1	b714	BPL5/16"*12"1/2	7'-1"	A36	
1	c714	PL3/8"X4"	0'-5"	A36	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
2	f721	L4X4X5/16	0'-5 1/2"	A36	
2		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1	739B	W12X19	9'-4 3/8"	A992	
1	b715	BPL5/16"*17"1/2	9'-2 1/2"	A36	
9		3/4" STUD	0'-6"		
1	739C	W12X19	19'-4 11/16"	A992	

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

ATLAS IRON WORKS
ST. LOUIS, MO.

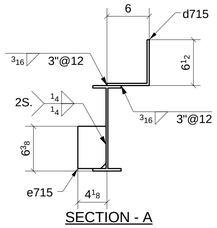
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: ZZ	Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No.	A16013 BAT: DWG#: 739



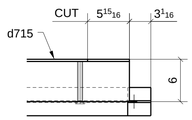
ONE - BEAM ~ 740A

LOCATION: (REF: E7B)

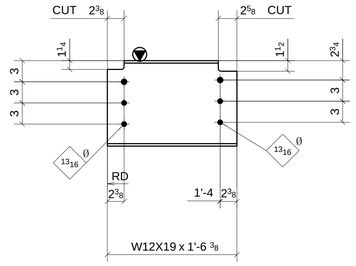
ONE @ 5-6/B.3-C



SECTION - A



SECTION - B



ONE - BEAM ~ 740B

LOCATION: (REF: E7B)

ONE @ 7.1/A.6-B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	740A	W12X19	10'-8 5/16"	A992	
1	d715	BPL5/16"*12"1/2	10'-5 1/4"	A36	
1	e715	PL3/8"X4"	0'-6"	A36	
1	740B	W12X19	1'-6 3/8"	A992	

A	FOR APPROVAL		06/28/16

Sequence: 7 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

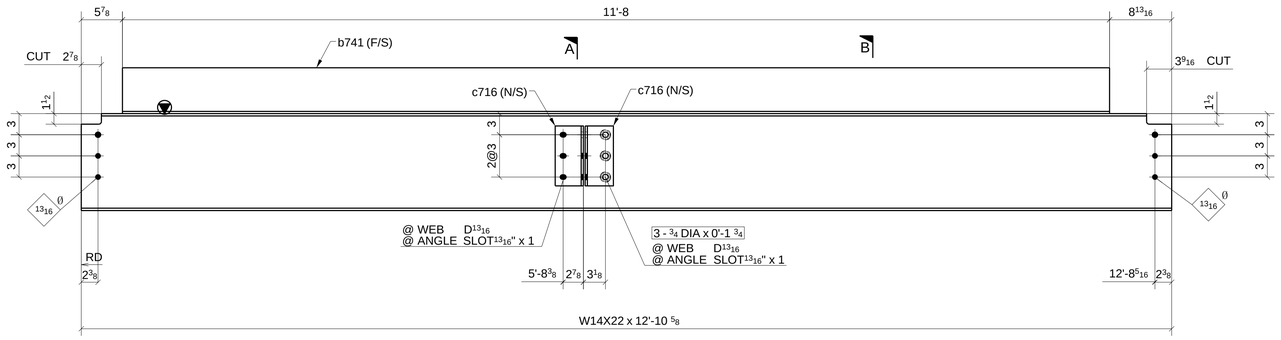
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

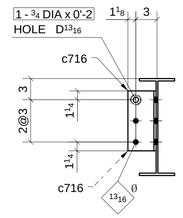
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: DWG#: 740

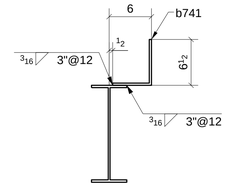


ONE - BEAM ~ 741A

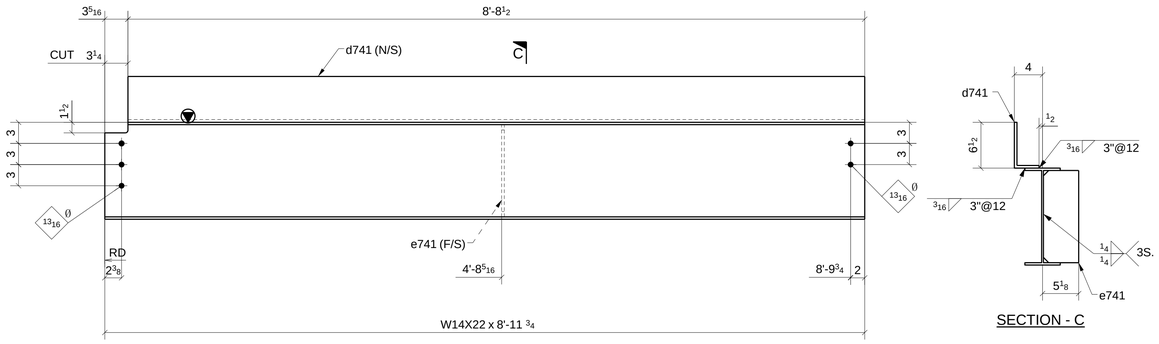
LOCATION: (REF: E7B)
ONE @ 5-6/C.3-D



SECTION - A



SECTION - B



ONE - BEAM ~ 741B

LOCATION: (REF: E7B)
ONE @ 6-7/B

SECTION - C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	741A	W14X22	12'-10 11/16"	A992	
1	b741	BPL5/16"X12"	11'-8"	A36	
2	c716	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	
1	741B	W14X22	8'-11 13/16"	A992	
1	d741	BPL3/8"X10"	8'-8 1/2"	A36	
1	e741	PL3/8"X5"	1'-1 1/16"	A36	

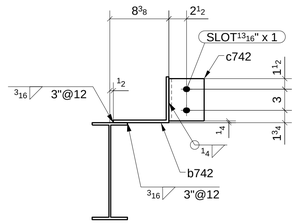
A	FOR APPROVAL				06/28/16

Sequence: 7 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:

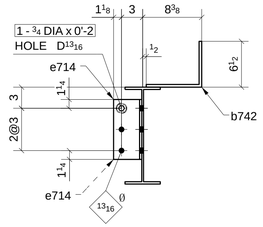
Romac By: Checked By:
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

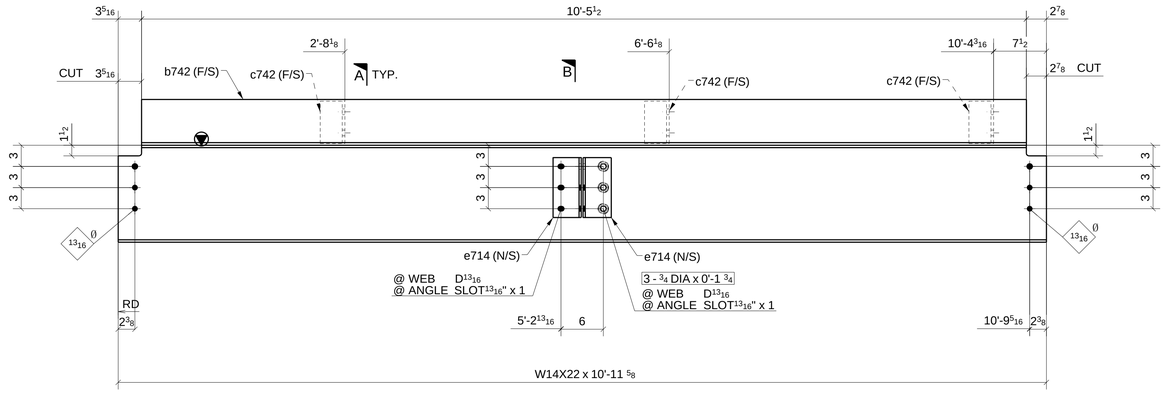
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016
Job No. A16013 BAT: DWG#: 741



SECTION - A



SECTION - B



ONE - BEAM ~ 742A

LOCATION: (REF: E7B)

ONE @ 7-7.1/A.6-B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	742A	W14X22	10'-11 11/16"	A992	
1	b742	BPL3/8"X14 3/8"	10'-5 1/2"	A36	
3	c742	L5X3-1/2X3/8	0'-6"	A36	
2	e714	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	

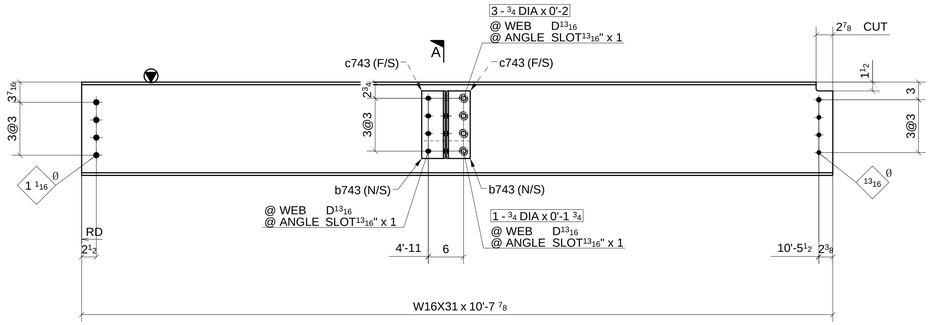
A	FOR APPROVAL		06/28/16
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Romac By: Checked By:

Beamline By: Checked By:

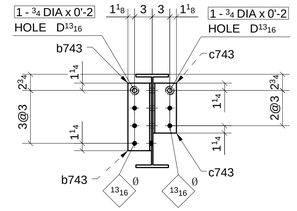
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	ZZ	Date: 06/24/2016	Ckd:	LJ	Date: 06/27/2016
Job No.	A16013	BAT:		DWG#:	742

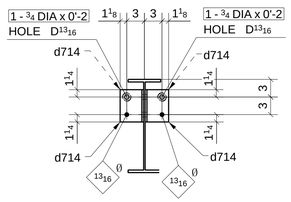


ONE - BEAM ~ 743A

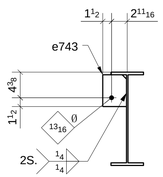
LOCATION: (REF: E7B)
ONE @ 7.1/A.6-B



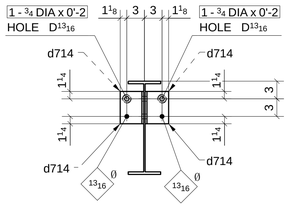
SECTION - A



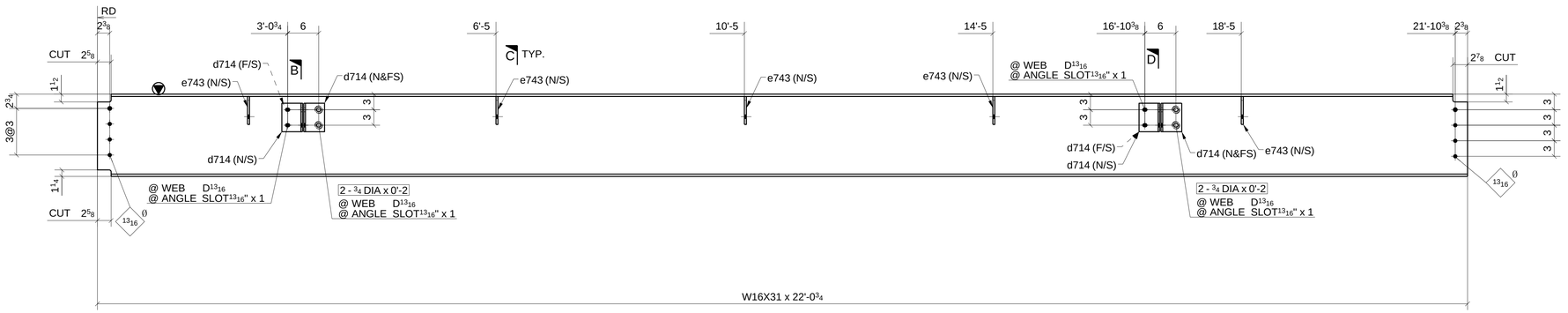
SECTION - B



SECTION - C



SECTION - D



ONE - BEAM ~ 743B

LOCATION: (REF: E7B)
ONE @ 7.1-8/A.6-B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	743A	W16X31	10'-7 7/8"	A992	
2	b743	L4X4X5/16	0'-11 1/2"	A36	
2	c743	L4X4X5/16	0'-8 1/2"	A36	
1		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	743B	W16X31	22'-0 3/4"	A992	
8	d714	L4X4X5/16	0'-5 1/2"	A36	
5	e743	PL3/8"X4 1/16"	0'-5 7/16"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	

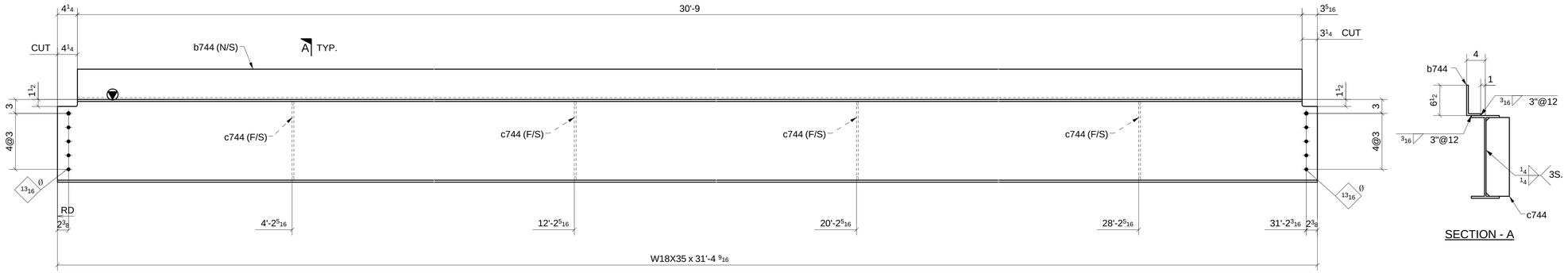
Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL		06/28/16
Sequence:	7	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.

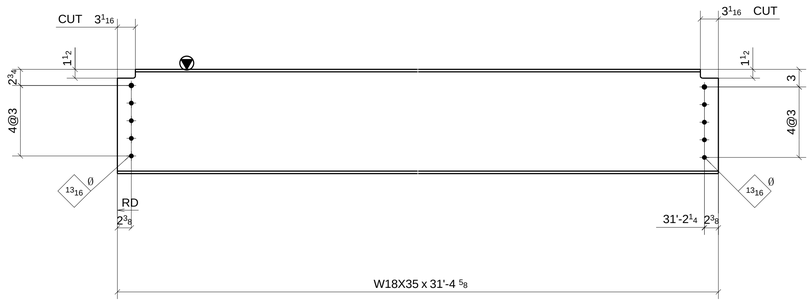
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016
Job No. A16013 BAT: DWG#: 743



ONE - BEAM ~ 744A

LOCATION: (REF: E7B)
ONE @ 5-6/B

SECTION - A



2 - BEAMS ~ 744B

LOCATION: (REF: E7B)
ONE @ 7-8/C.3
ONE @ 7-8/C.3-D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	744A	W18X35	31'-4 9/16"	A992	
1	b744	BPL3/8"X9 1/2"	30'-9"	A36	
4	c744	PL3/8"X5"	1'-4 7/8"	A36	
2	744B	W18X35	31'-4 5/8"	A992	

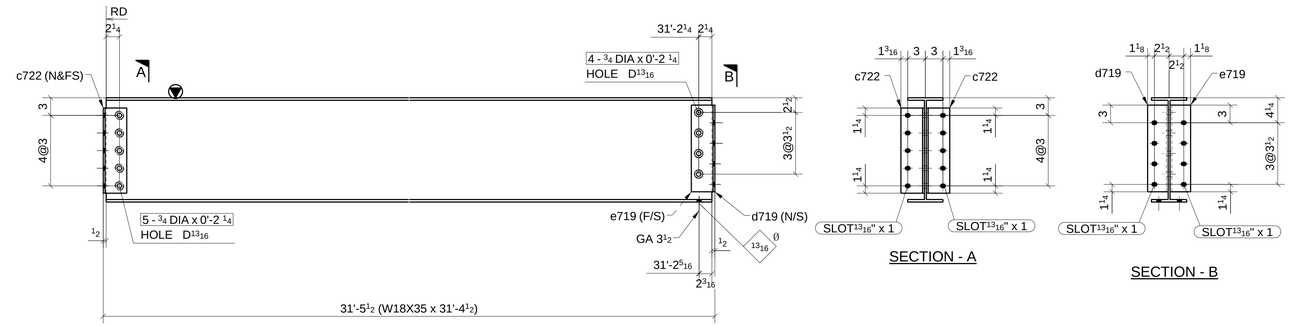
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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: 06/24/2016 Ckd: LJ Date: 06/27/2016
Job No. A16013 BAT: DWG#: 744

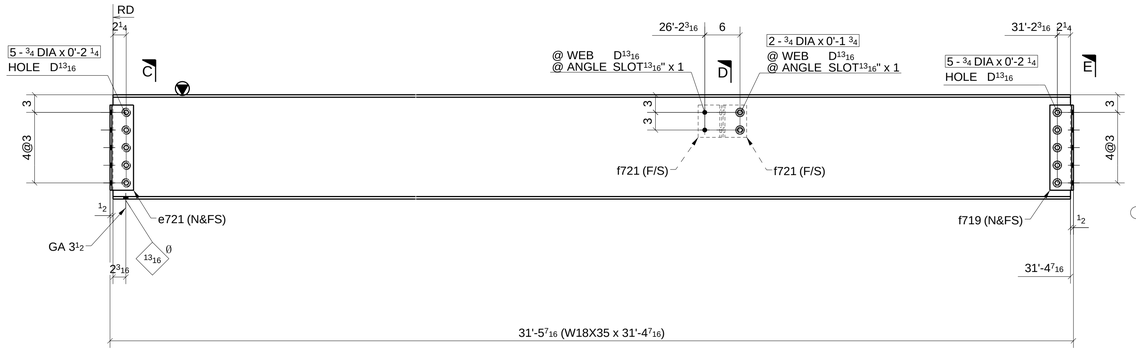


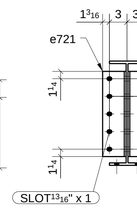
SECTION - A

SECTION - B

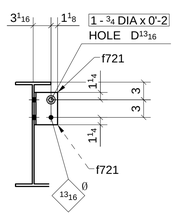
ONE - BEAM ~ 745A

LOCATION: (REF: E7B)
ONE @ 5-6/C

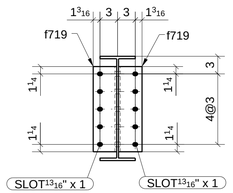




SECTION - C



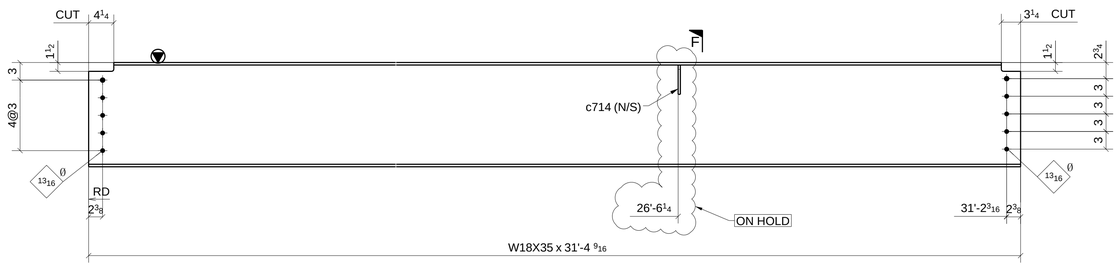
SECTION - D

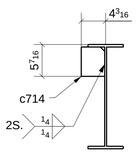


SECTION - E

ONE - BEAM ~ 745B

LOCATION: (REF: E7B)
ONE @ 7-8/D





SECTION - F

ONE - BEAM ~ 745C

LOCATION: (REF: E7B)
ONE @ 5-6/B.3-C

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	745A	W18X35	31'-4 1/2"	A992	
2	c722	L4X4X5/16	1'-2 1/2"	A36	
1	d719	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	e719	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	745B	W18X35	31'-4 7/16"	A992	
2	e721	L4X4X5/16	1'-2 1/2"	A36	
2	f719	L4X4X5/16	1'-2 1/2"	A36	
2	f721	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	
1	745C	W18X35	31'-4 9/16"	A992	
1	c714	PL3/8"X4"	0'-5"	A36	

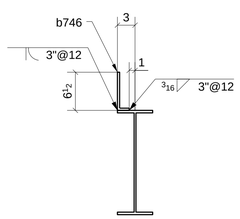
Romac By: Checked By:

Beamline By: Checked By:

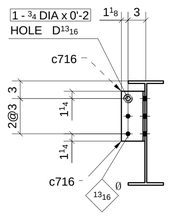
A	FOR APPROVAL		06/28/16
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

ATLAS IRON WORKS
ST. LOUIS, MO.

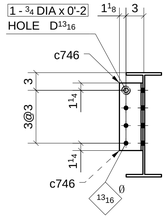
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	ZZ	Date: 06/24/2016	Ckd:	LJ	Date: 06/28/2016
Job No.	A16013	BAT:		DWG#:	745



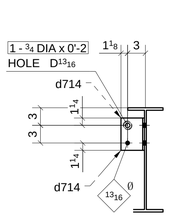
SECTION - A



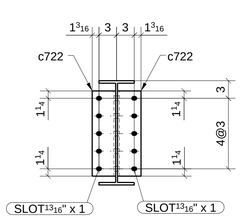
SECTION - B



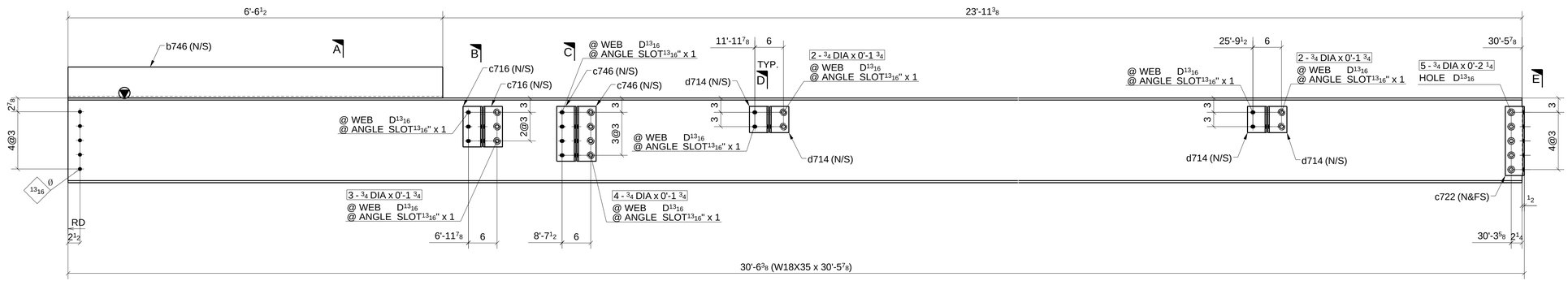
SECTION - C



SECTION - D

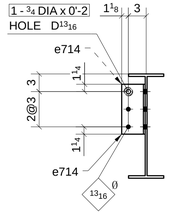


SECTION - E

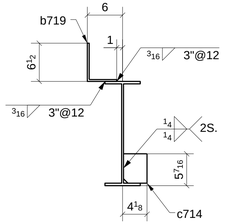


ONE - BEAM ~ 746A

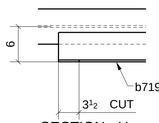
LOCATION: ONE @ 7-8/B (REF: E7B)



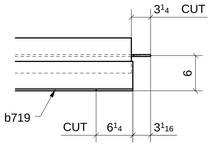
SECTION - F



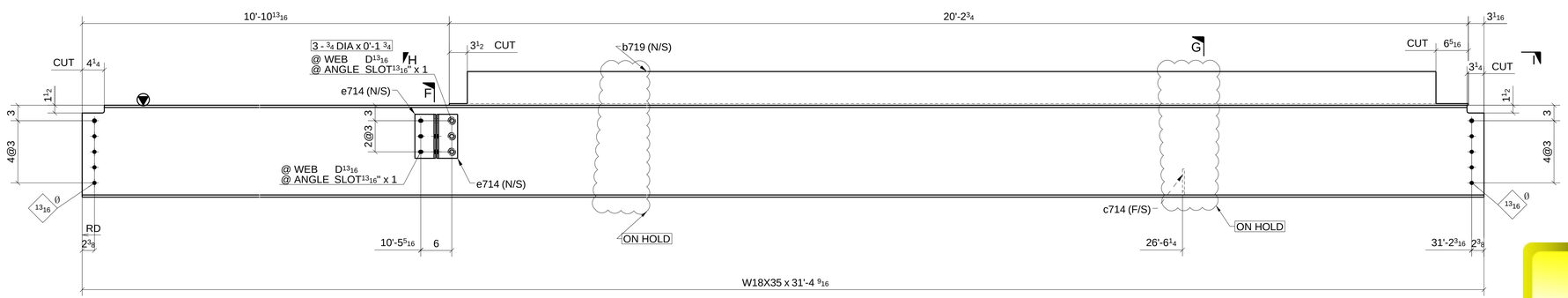
SECTION - G



SECTION - H



SECTION - I



ONE - BEAM ~ 746B

LOCATION: ONE @ 5-6/B.3-C (REF: E7B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	746A	W18X35	30'-5 7/8"	A992	
1	b746	BPL3/8"X8 1/2"	6'-6 1/2"	A36	
2	c716	L4X4X5/16	0'-8 1/2"	A36	
2	c722	L4X4X5/16	1'-2 1/2"	A36	
2	c746	L4X4X5/16	0'-11 1/2"	A36	
4	d714	L4X4X5/16	0'-5 1/2"	A36	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
1	746B	W18X35	31'-4 9/16"	A992	
1	b719	BPL5/16"*11"1/2	20'-2 3/4"	A36	
1	c714	PL3/8"X4"	0'-5"	A36	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
3		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	
1		3/4" DIA. W/N&W	0'-2"	A325N TC	

Romac By: _____ Checked By: _____

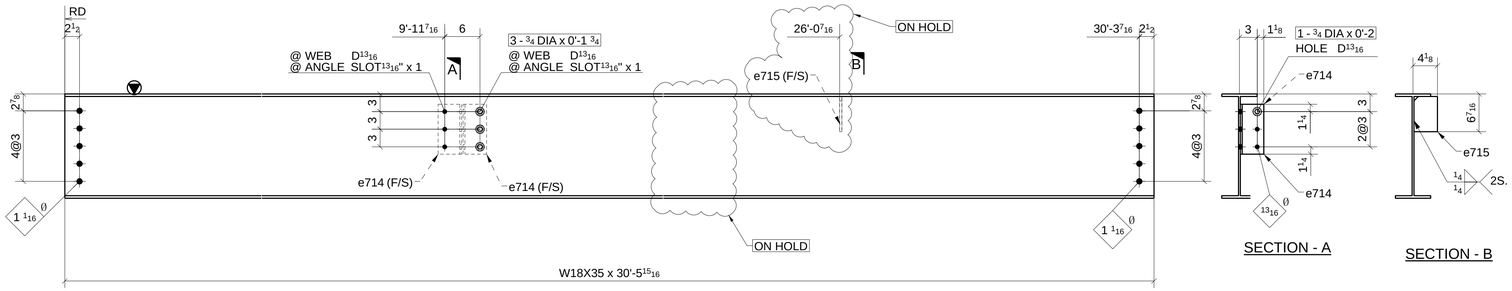
Beamline By: _____ Checked By: _____

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: 06/24/2016	Ckd: LJ Date: 06/28/2016
Job No.	A16013	BAT:	DWG#: 746

A — FOR APPROVAL — 06/28/16

Sequence:	7	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:	

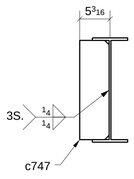


ONE - BEAM ~ 747A

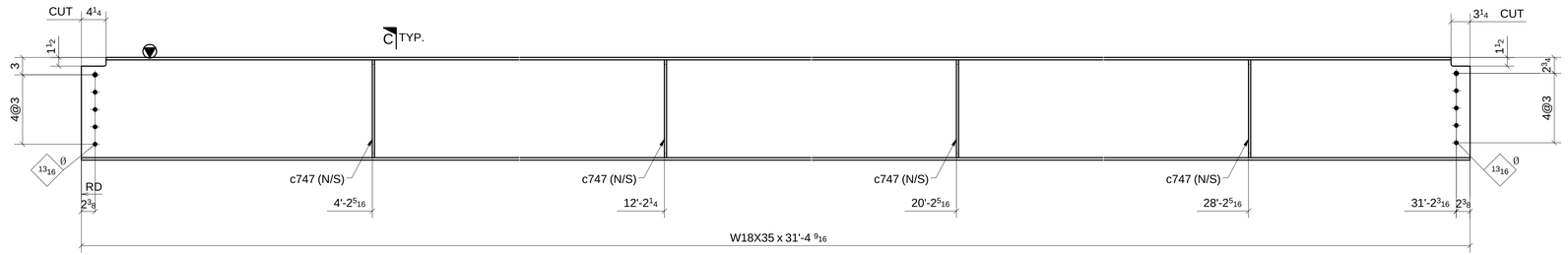
LOCATION: (REF: E7B)
ONE @ 5-6/B.3

SECTION - A

SECTION - B

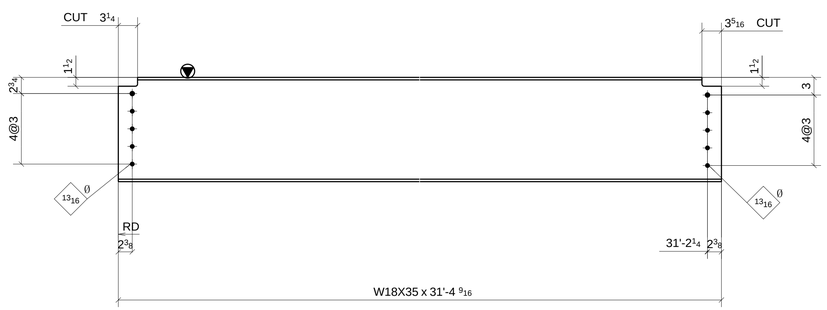


SECTION - C



ONE - BEAM ~ 747B

LOCATION: (REF: E7B)
ONE @ 5-6/B-B.3



3 - BEAMS ~ 747C

LOCATION: (REF: E7B)
ONE @ 7-8/B-B.3
ONE @ 7-8/B.3-C
ONE @ 7-8/B.3-C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	747A	W18X35	30'-5 15/16"	A992	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
1	e715	PL3/8"X4"	0'-6"	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	
1	747B	W18X35	31'-4 9/16"	A992	
4	c747	PL3/8"X5"	1'-4 7/8"	A36	
3	747C	W18X35	31'-4 5/8"	A992	

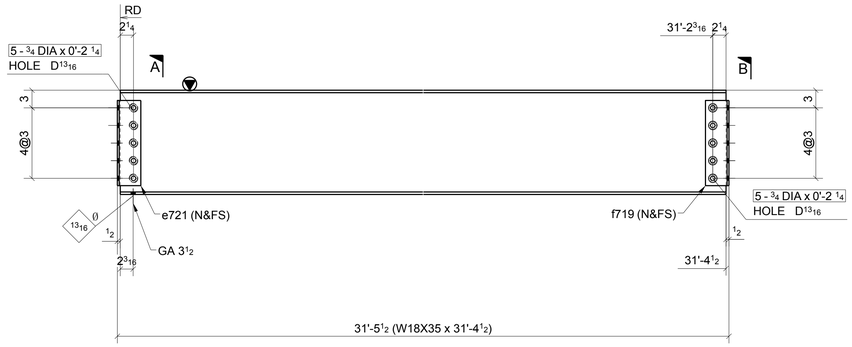
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL		06/28/16

Sequence: 7 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:

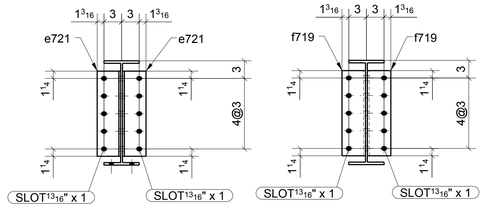
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 747



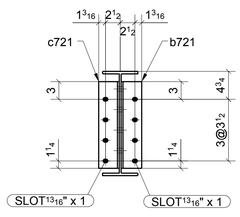
ONE - BEAM ~ 748A

LOCATION: (REF: E7B)
ONE @ 7-8/C

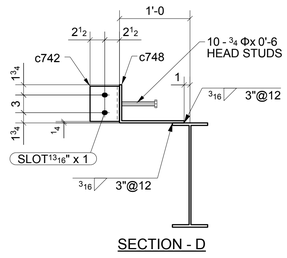


SECTION - A

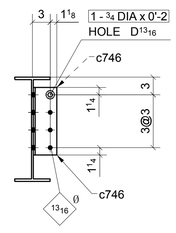
SECTION - B



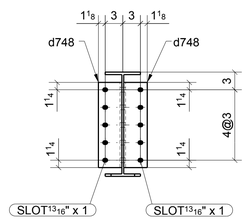
SECTION - C



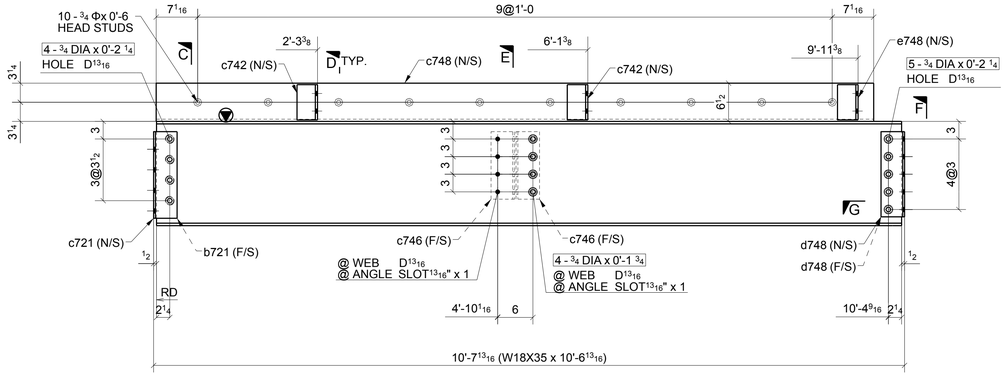
SECTION - D



SECTION - E

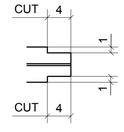


SECTION - F



ONE - BEAM ~ 748B

LOCATION: (REF: E7B)
ONE @ 8/A.6-B



SECTION - G

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

A	FOR APPROVAL	06/28/16

Sequence: 7 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:

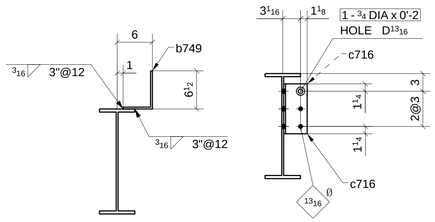
MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	748A	W18X35	31'-4 1/2"	A992	
2	e721	L4X4X5/16	1'-2 1/2"	A36	
2	f719	L4X4X5/16	1'-2 1/2"	A36	
10		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
1	748B	W18X35	10'-6 13/16"	A992	
1	b721	L4X3-1/2X5/16	1'-2 3/4"	A36	
1	c721	L4X3-1/2X5/16	1'-2 3/4"	A36	
2	c742	L5X3-1/2X3/8	0'-6"	A36	
2	c746	L4X4X5/16	0'-11 1/2"	A36	
1	c748	BPL3/8"X17 1/2"	10'-2 1/8"	A36	
2	d748	L4X4X5/16	1'-2 1/2"	A36	
1	e748	L5X3-1/2X3/8	0'-6"	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	
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	
10		3/4" STUD	0'-6"		

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

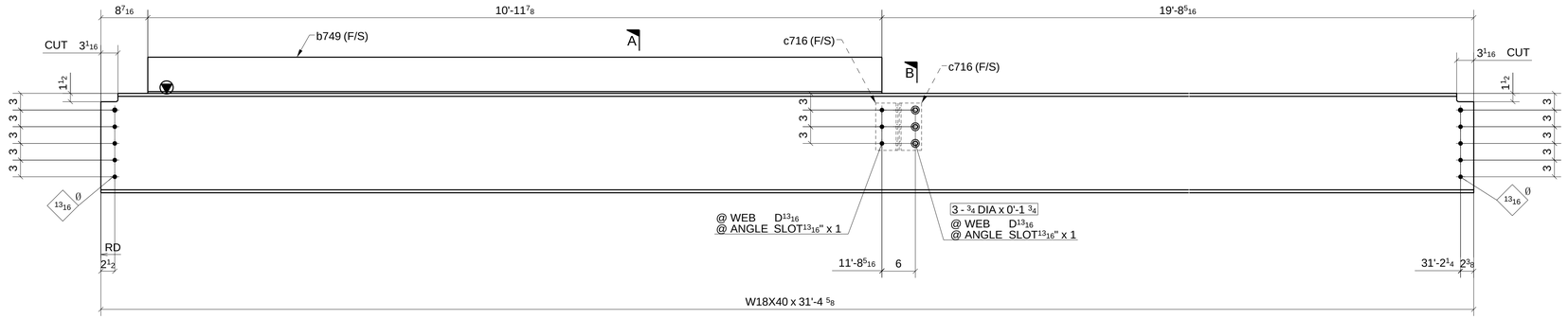
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016
Job No. A16013 BAT: DWG#: 748



SECTION - A

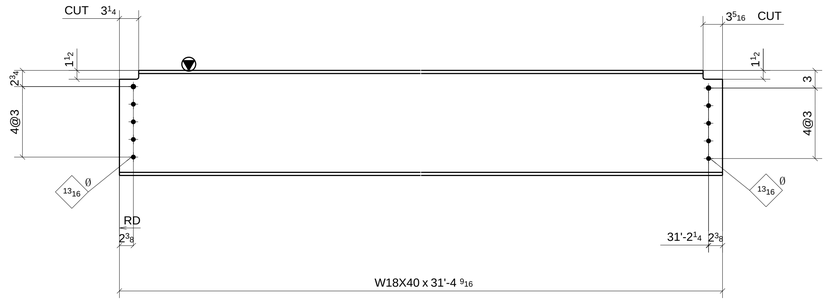
SECTION - B



ONE - BEAM ~ 749A

LOCATION: (REF: E7B)

ONE @ 5-6/C.3



ONE - BEAM ~ 749B

LOCATION: (REF: E7B)

ONE @ 7-8/B.3

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	749A	W18X40	31'-4 5/8"	A992	
1	b749	BPL5/16"X11 1/2"	10'-11 7/8"	A36	
2	c716	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	
1	749B	W18X40	31'-4 5/8"	A992	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

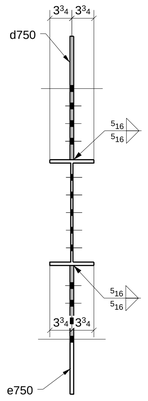
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

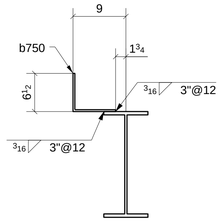
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/24/2016

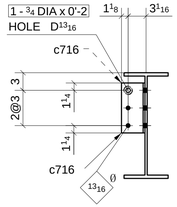
Job No. A16013 BAT: DWG#: 749



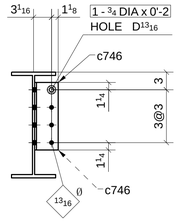
SECTION - A



SECTION - B



SECTION - C



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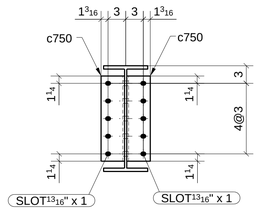
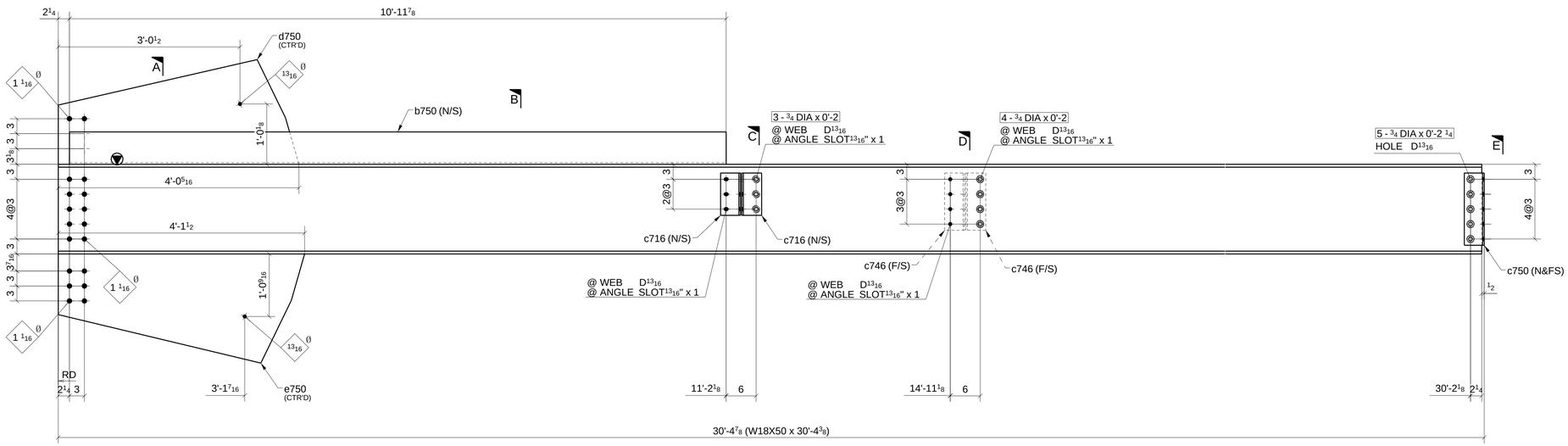


SECTION - E



ONE - BEAM ~ 750A

LOCATION: (REF: E7B)

ONE @ 5-6/D

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

A	FOR APPROVAL	06/28/16

Sequence: 7 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	750A	W18X50	30'-4 3/8"	A992	
1	b750	BPL5/16"X13 3/4"	10'-11 7/8"	A36	
2	c716	L4X4X5/16	0'-8 1/2"	A36	
2	c746	L4X4X5/16	0'-11 1/2"	A36	
2	c750	L4X4X5/16	1'-2 1/2"	A36	
1	d750	PL5/8"X21"	4'-0 5/16"	A572-GR.50	
1	e750	PL5/8"X21 15/16"	4'-1 1/2"	A572-GR.50	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	

Romac By: Checked By:

Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

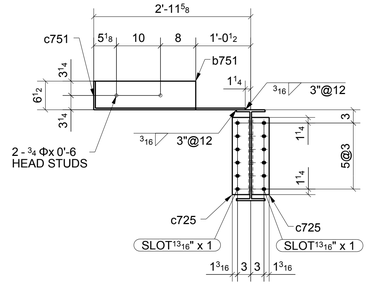
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

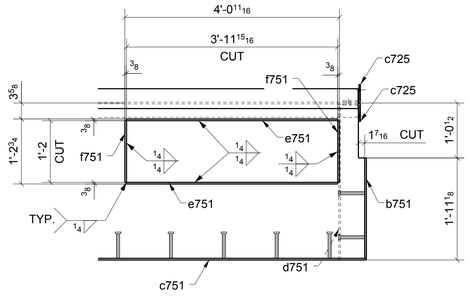
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

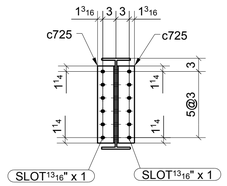
Job No. A16013 BAT: DWG#: 750



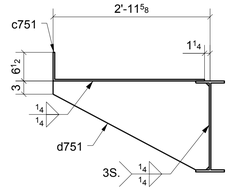
SECTION - E



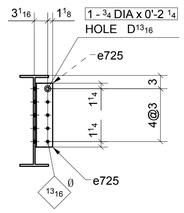
SECTION - F



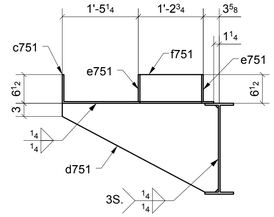
SECTION - A



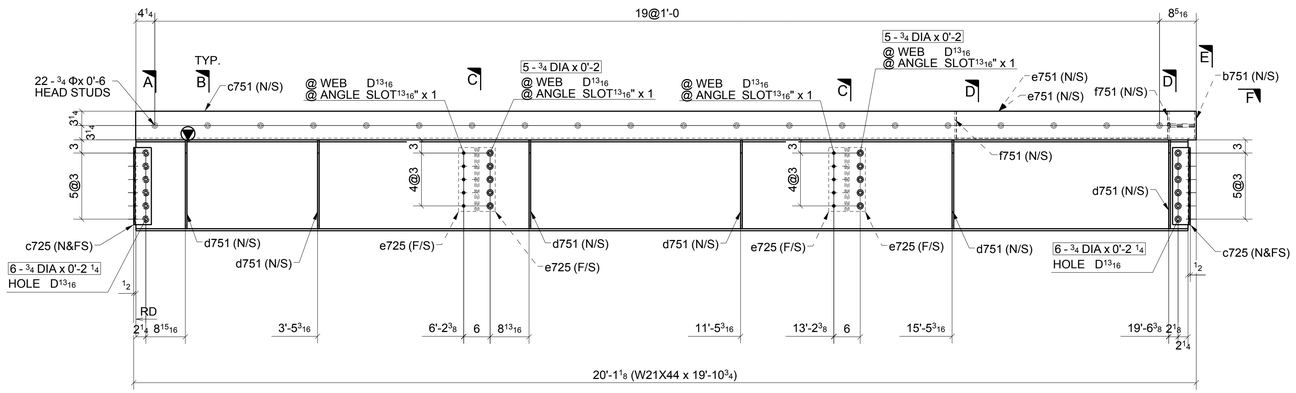
SECTION - B



SECTION - C



SECTION - D



ONE - BEAM ~ 751A

LOCATION: (REF: E7B)

ONE @ 8/C-D

FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	751A	W21X44	19'-10 3/4"	A992	
1	b751	PL3/8"X6 1/8"	1'-10 3/4"	A36	
4	c725	L4X4X5/16	1'-5 1/2"	A36	
1	c751	BPL3/8"X40 7/8"	20'-0 11/16	A36	
6	d751	PL3/8"X20 3/16"	2'-11 7/16"	A36	
4	e725	L4X4X5/16	1'-2 1/2"	A36	
2	e751	PL3/8"X6 1/8"	3'-11 15/16	A36	
2	f751	PL3/8"X6 1/8"	1'-2"	A36	
2		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
10		3/4" DIA. W/N&W	0'-2"	A325N_TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
20		3/4" STUD	0'-6"		
2		3/4" STUD	0'-6"		

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

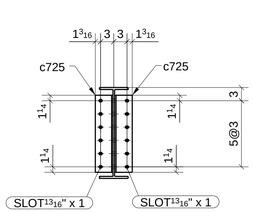
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

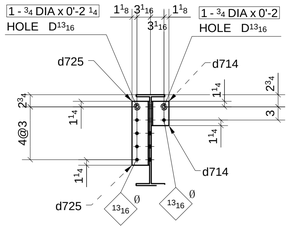
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

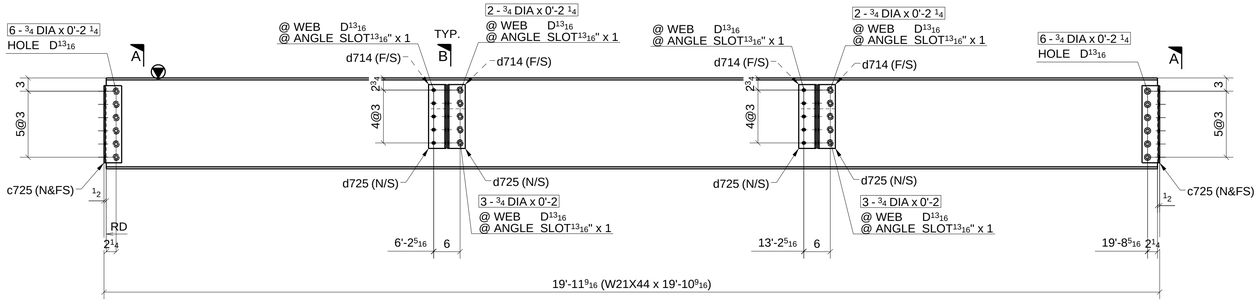
Job No. A16013 BAT: DWG#: 751



SECTION - A



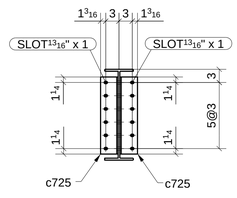
SECTION - B



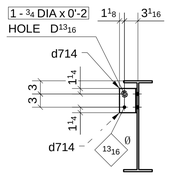
ONE - BEAM ~ 752A

LOCATION: ONE @ 7/C-D

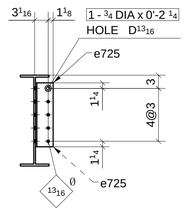
(REF: E7B)



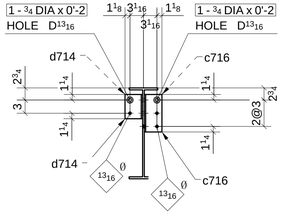
SECTION - C



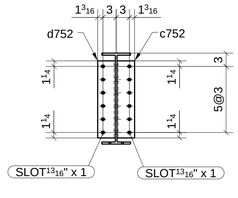
SECTION - D



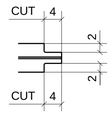
SECTION - E



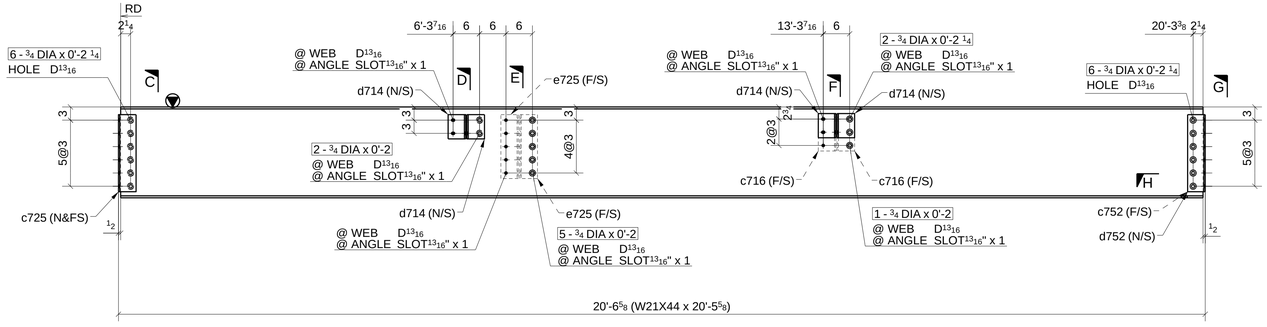
SECTION - F



SECTION - G



SECTION - H



ONE - BEAM ~ 752B

LOCATION: ONE @ 6/C-D

(REF: E7B)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	752A	W21X44	19'-10 9/16"	A992	
4	c725	L4X4X5/16	1'-5 1/2"	A36	
4	d714	L4X4X5/16	0'-5 1/2"	A36	
4	d725	L4X4X5/16	1'-2 1/2"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		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		3/4" DIA. W/N&W	0'-2"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
1	752B	W21X44	20'-5 5/8"	A992	
2	c716	L4X4X5/16	0'-8 1/2"	A36	
2	c725	L4X4X5/16	1'-5 1/2"	A36	
1	c752	L4X4X5/16	1'-5 1/2"	A36	
4	d714	L4X4X5/16	0'-5 1/2"	A36	
1	d752	L4X4X5/16	1'-5 1/2"	A36	
2	e725	L4X4X5/16	1'-2 1/2"	A36	
5		3/4" DIA. W/N&W	0'-2"	A325N TC	
2		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	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
12		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	06/28/16

Sequence: 7 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

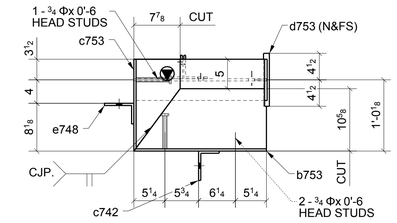
Customer: PARIC CORPORATION

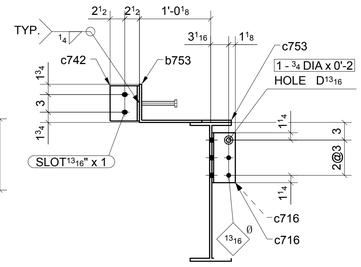
Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

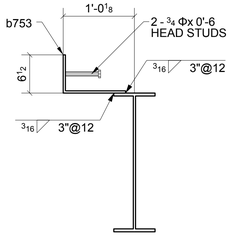
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

Job No. A16013 BAT: _____ DWG#: 752

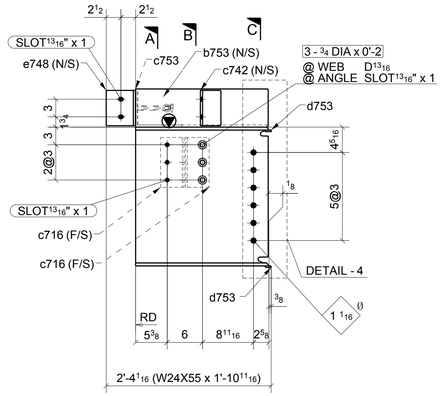


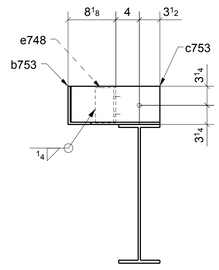


SECTION - B



SECTION - C



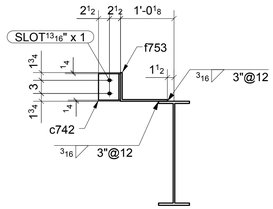


SECTION - A

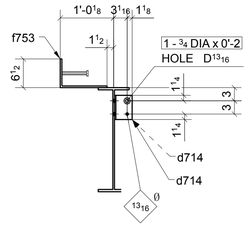
ONE - BEAM ~ 753A

LOCATION: (REF: E7B)

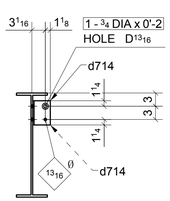
ONE @ 7-7.1/A.6



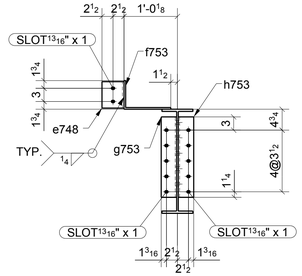
SECTION - D



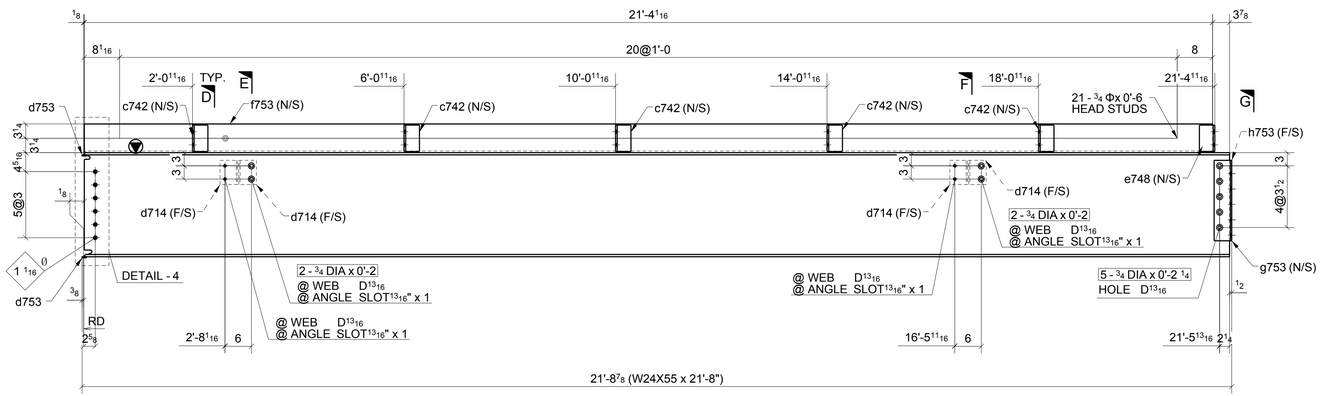
SECTION - E



SECTION - F



SECTION - G



ONE - BEAM ~ 753B

LOCATION: (REF: E7B)

ONE @ 7.1-8/A.6

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	753A	W24X55	1'-10 11/16"	A992	
1	b753	BPL3/8"X17 1/8"	1'-10 9/16"	A36	
2	c716	L4X4X5/16	0'-8 1/2"	A36	
1	c742	L5X3-1/2X3/8	0'-6"	A36	
1	c753	BPL3/8"X14 3/8"	1'-3 5/8"	A36	
2	d753	PL1/4"X1"	0'-9"	A36	
1	e748	L5X3-1/2X3/8	0'-6"	A36	
1		3/4" DIA. W/N&W	0'-2"	A325N_TC	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" STUD	0'-6"		
1		3/4" STUD	0'-6"		
1	753B	W24X55	21'-8"	A992	
5	c742	L5X3-1/2X3/8	0'-6"	A36	
4	d714	L4X4X5/16	0'-5 1/2"	A36	
2	d753	PL1/4"X1"	0'-9"	A36	
1	e748	L5X3-1/2X3/8	0'-6"	A36	
1	f753	BPL3/8"X17 1/8"	21'-4 1/16"	A36	
1	g753	L4X3-1/2X5/16	1'-6 1/4"	A36	
1	h753	L4X3-1/2X5/16	1'-6 1/4"	A36	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
4		3/4" DIA. W/N&W	0'-2"	A325N_TC	
21		3/4" STUD	0'-6"		

A	FOR APPROVAL		06/28/16

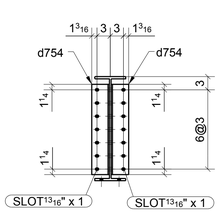
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:	COLOR:		

Romac By: Checked By:

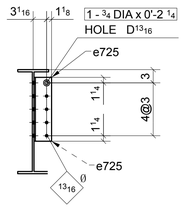
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

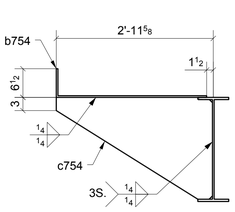
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES,MO 63119				
Dwn:	ZZ	Date: 06/24/2016	Ckd:	LJ	Date: 06/27/2016
Job No.	A16013	BAT:		DWG#:	753



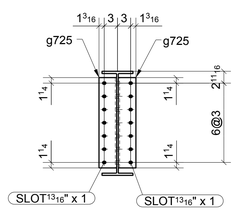
SECTION - A



SECTION - B



SECTION - C



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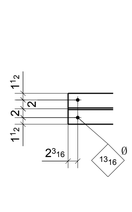
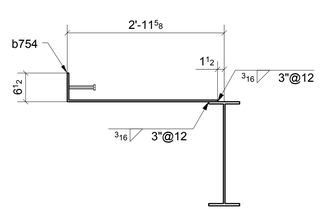
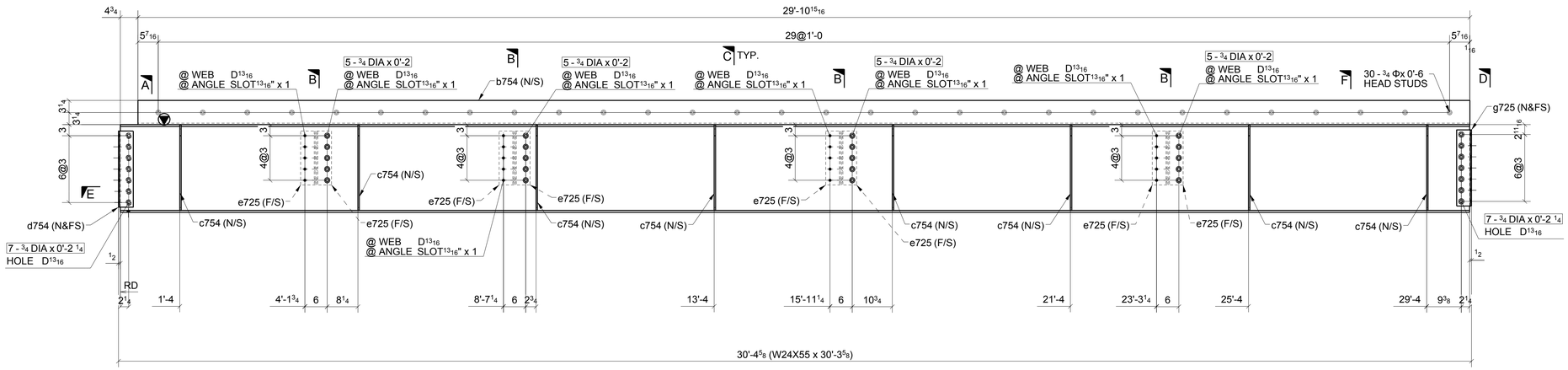


SECTION - E



SECTION - F



ONE - BEAM ~ 754A

LOCATION: (REF: E7B)

ONE @ 8/B-C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	754A	W24X55	30'-3 5/8"	A992	
1	b754	BPL3/8"X40 5/8"	29'-10 15/1	A36	
8	c754	PL3/8"X23 1/8"	2'-11 7/16"	A36	
2	d754	L4X4X5/16	1'-8 1/2"	A36	
8	e725	L4X4X5/16	1'-2 1/2"	A36	
2	g725	L4X4X5/16	1'-8 1/2"	A36	
4		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	
20		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 06/28/16

Sequence: 7 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

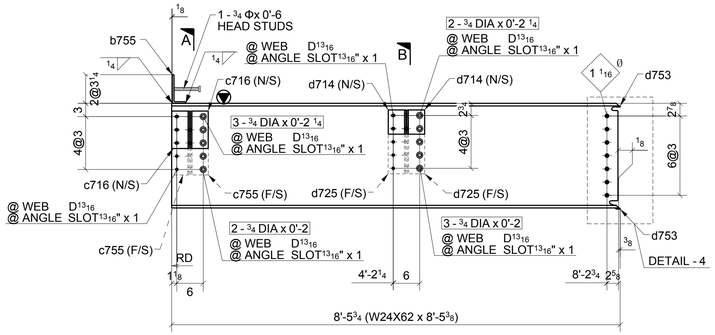
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

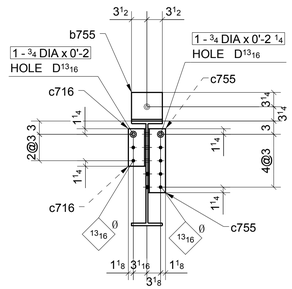
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

Job No. A16013 BAT: DWG#: 754

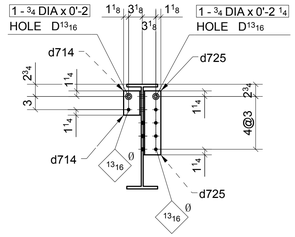


ONE - BEAM ~ 755A

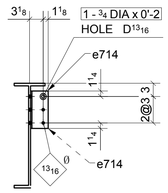
LOCATION: (REF: E7B)
ONE @ 6/B-B.3



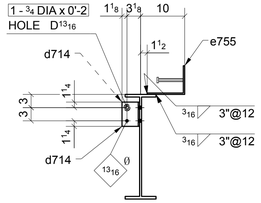
SECTION - A



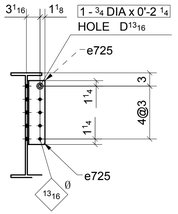
SECTION - B



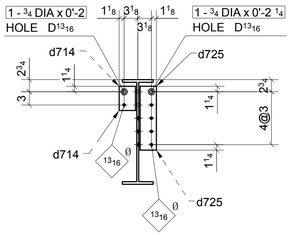
SECTION - C



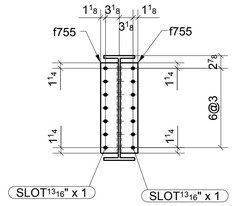
SECTION - D



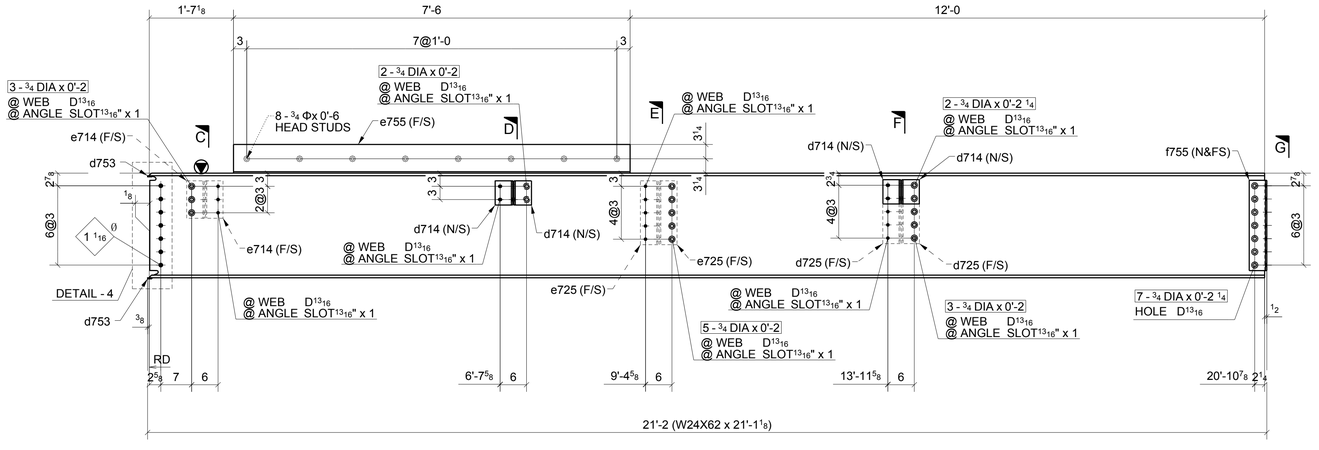
SECTION - E



SECTION - F

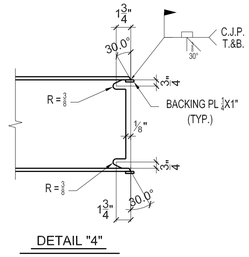


SECTION - G



ONE - BEAM ~ 755B

LOCATION: (REF: E7B)
ONE @ 6/B.3-C



FOR APPROVAL

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	755A	W24X62	8'-5 3/8"	A992	
1	b755	BPL3/8"X7"	0'-9 1/2"	A36	
2	c716	L4X4X5/16	0'-8 1/2"	A36	
2	c755	L4X4X5/16	1'-2 1/2"	A36	
2	d714	L4X4X5/16	0'-5 1/2"	A36	
2	d725	L4X4X5/16	1'-2 1/2"	A36	
2	d753	PL1/4"X1"	0'-9"	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	
2		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		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" STUD	0'-6"		
1	755B	W24X62	21'-1 1/8"	A992	
4	d714	L4X4X5/16	0'-5 1/2"	A36	
2	d725	L4X4X5/16	1'-2 1/2"	A36	
2	d753	PL1/4"X1"	0'-9"	A36	
2	e714	L4X4X5/16	0'-8 1/2"	A36	
2	e725	L4X4X5/16	1'-2 1/2"	A36	
1	e755	BPL5/16""15"	7'-6"	A36	
2	f755	L4X4X5/16	1'-8 1/2"	A36	
5		3/4" DIA. W/N&W	0'-2"	A325N_TC	
2		3/4" DIA. W/N&W	0'-2"	A325N_TC	
7		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	
2		3/4" DIA. W/N&W	0'-2 1/4"	A325N_TC	
3		3/4" DIA. W/N&W	0'-2"	A325N_TC	
6		3/4" DIA. W/N&W	0'-2"	A325N_TC	
8		3/4" STUD	0'-6"		

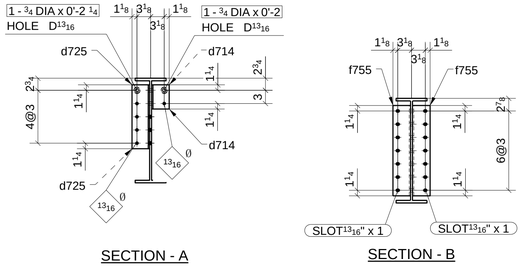
Romac By: Checked By:
Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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:

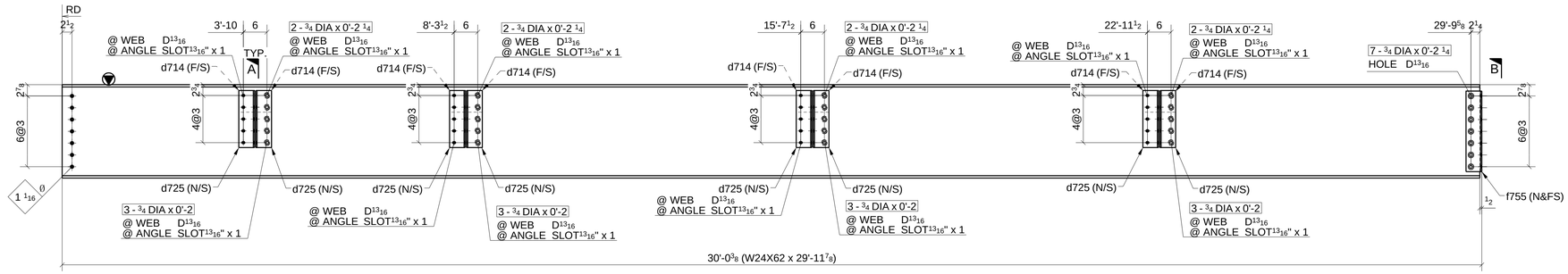
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 755



SECTION - A

SECTION - B



ONE - BEAM ~ 756A

LOCATION: (REF: E7B)
ONE @ 7/B-C

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	756A	W24X62	29'-11 7/8"	A992	
8	d714	L4X4X5/16	0'-5 1/2"	A36	
8	d725	L4X4X5/16	1'-2 1/2"	A36	
2	f755	L4X4X5/16	1'-8 1/2"	A36	
7		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
4		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
8		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
12		3/4" DIA. W/N&W	0'-2"	A325N TC	

Romac By: Checked By:

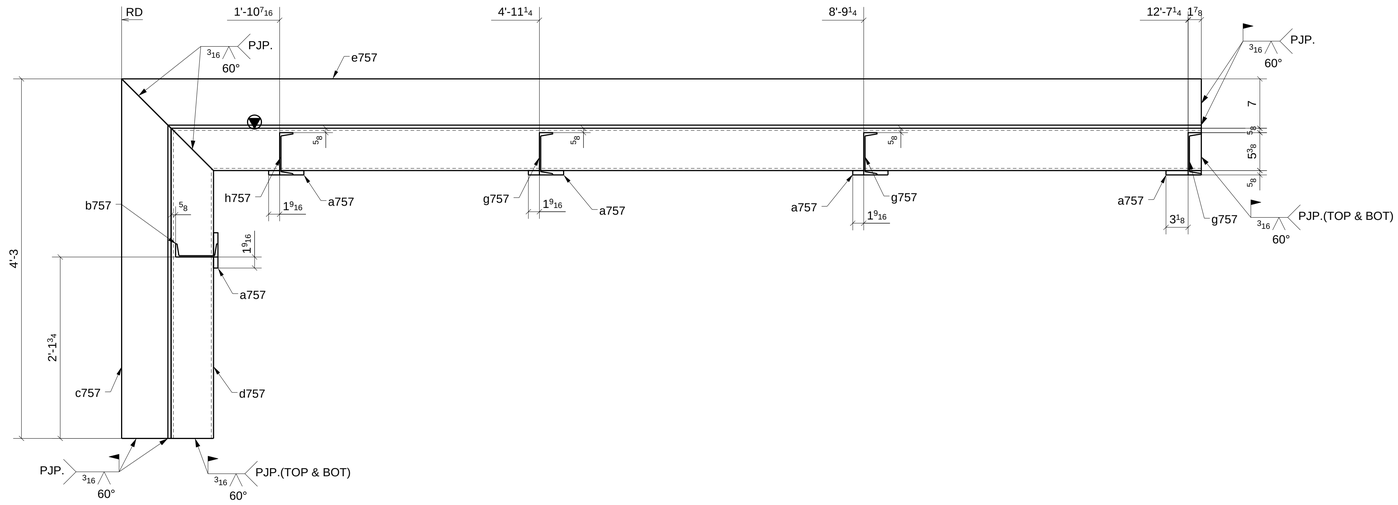
Beamline By: Checked By:

A	FOR APPROVAL		06/28/16

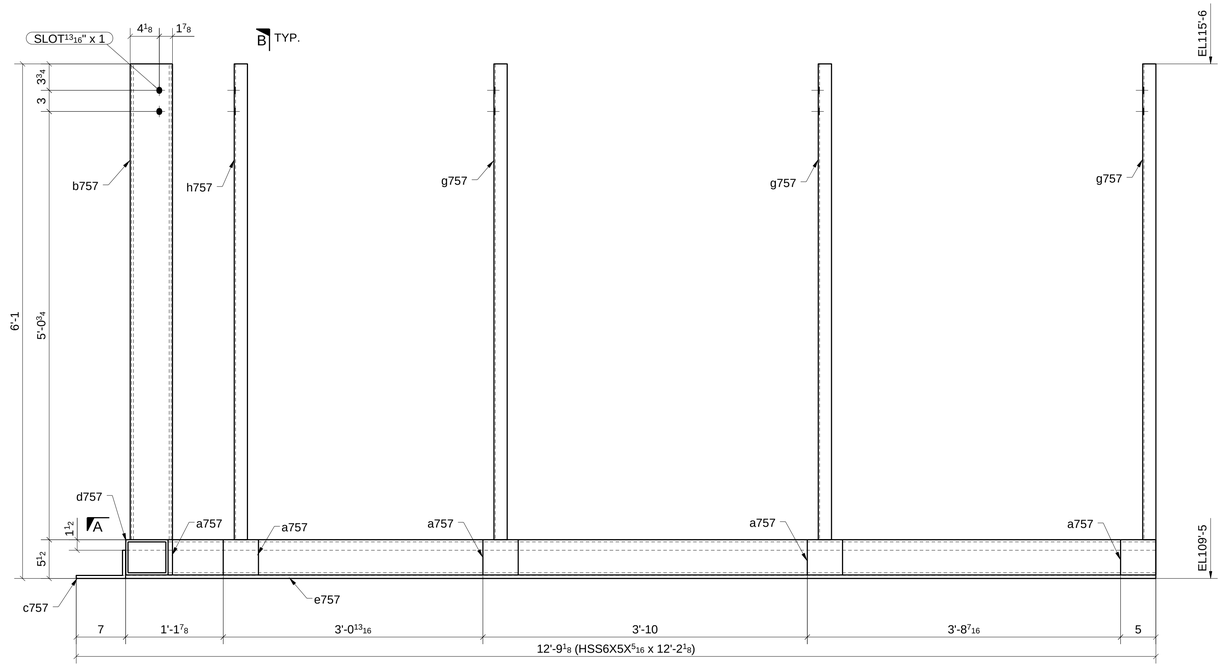
Sequence: 7 Ref. E-Plans: –
Material: A992 U.N.O. Edge Dist.: 1 1/2" U.N.O.
Holes: 13/16"DIA. Bolts: NOTED
Cleaning: NONE
Paint: NO
DFT: COLOR:

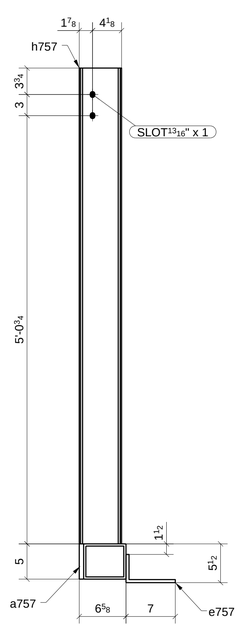
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES,MO 63119
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013 BAT: DWG#: 756



SECTION - A





SECTION - B

ONE - BEAM ~ 757A

LOCATION: (REF: E7B)

ONE @ 7-7.1/A.6-B

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	757A	HSS6X5X5/16	12'-2 1/8"	A500-GR.B-46	
5	a757	PL5/8"X5"	0'-5"	A36	
1	b757	C6X8.2	5'-7 1/2"	A992	
1	c757	L7X4X7/16	4'-3"	A36	GALV.
1	d757	HSS6X5X5/16	3'-8"	A500-GR.B-46	
1	e757	L7X4X7/16	12'-9 1/8"	A36	GALV.
3	g757	C6X8.2	5'-7 1/2"	A992	
1	h757	C6X8.2	5'-7 1/2"	A992	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

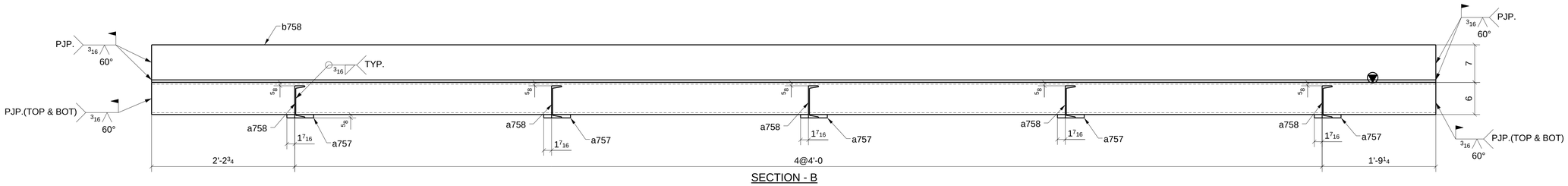
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

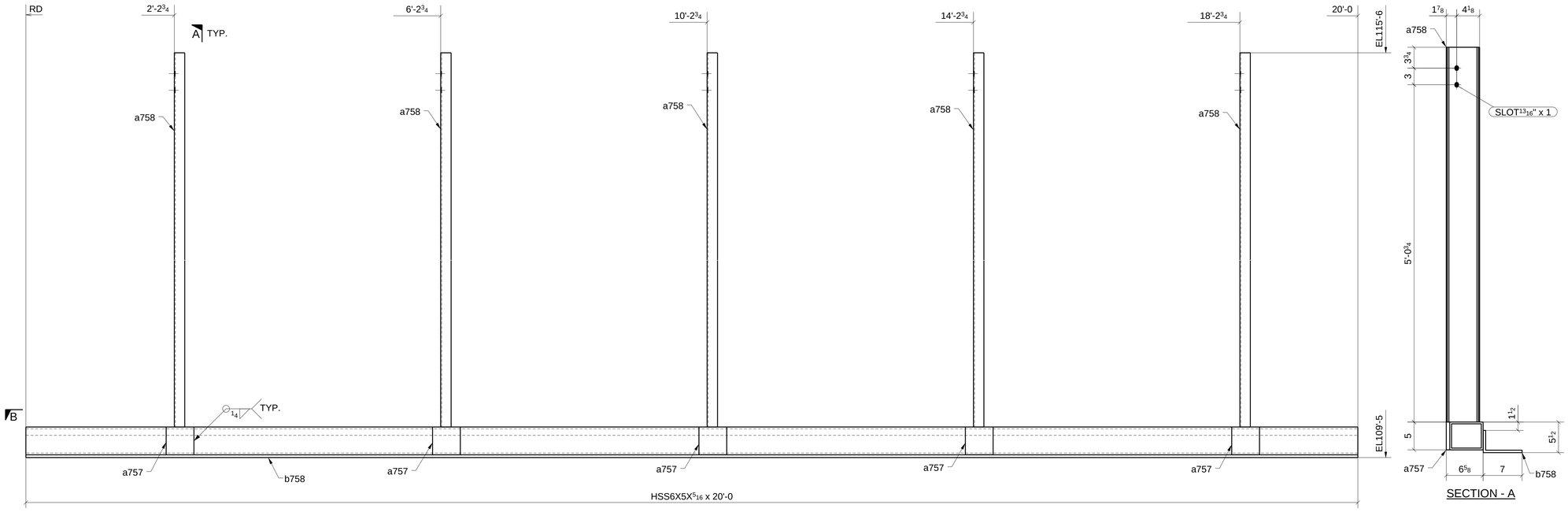
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: DWG#: 757



SECTION - B



SECTION - A

ONE - BEAM ~ 758A

LOCATION: (REF: E7B)

ONE @ 7.1-8/A.6

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	758A	HSS6X5X5/16	20'-0"	A500-GR.B	46
5	a757	PL5/8"X5"	0'-5"	A36	
5	a758	C6X8.2	5'-7 1/2"	A992	
1	b758	L7X4X7/16	20'-0"	A36	GALV.

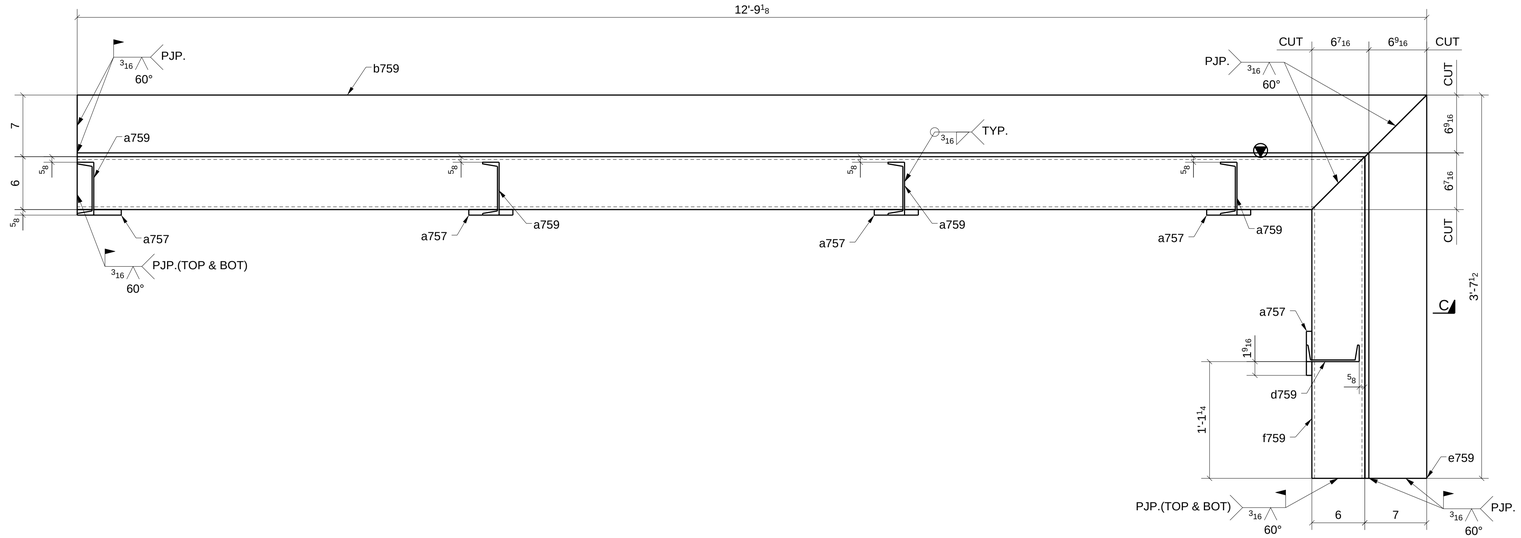
A	FOR APPROVAL		06/28/16
Sequence:	7	Ref. E-Plans:	–
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	

Romac By: Checked By:

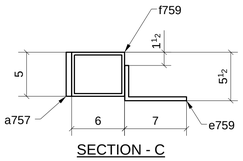
Beamline By: Checked By:

ATLAS IRON WORKS
ST. LOUIS, MO.

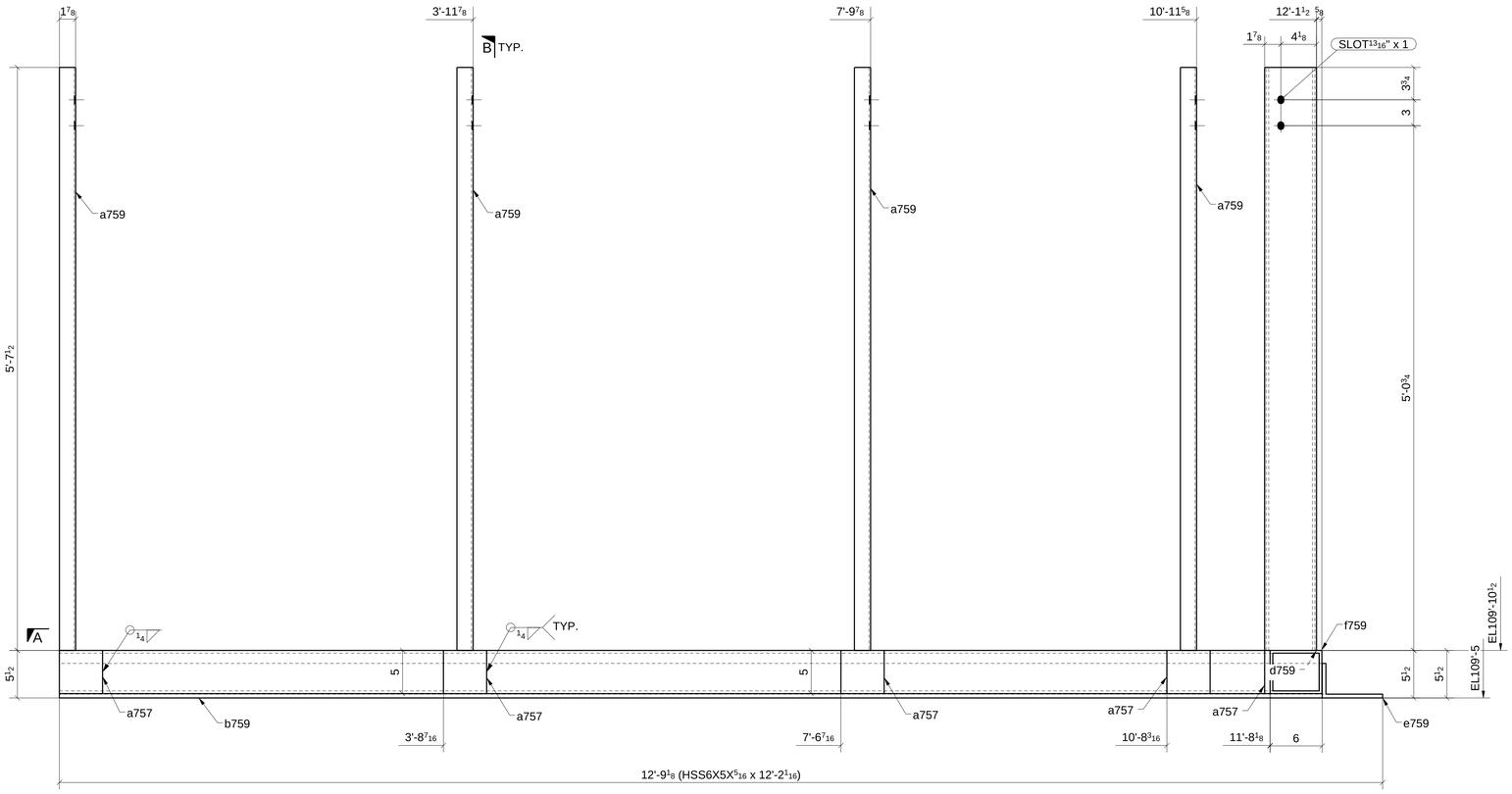
Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer:	PARIC CORPORATION
Owner:	WEBSTER UNIVERSITY
Location:	WEBSTER GUOVES,MO 63119
Dwn: ZZ	Date: 06/24/2016 Ckd: LJ Date: 06/28/2016
Job No. A16013	BAT: DWG#: 758



SECTION - A



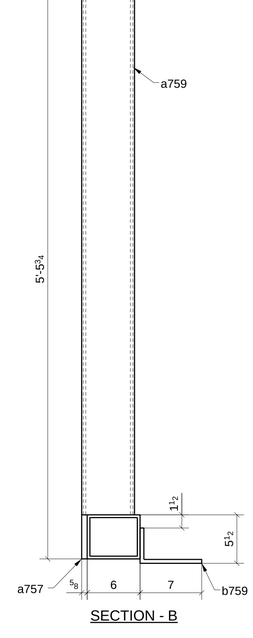
SECTION - C



ONE - BEAM ~ 759A

LOCATION: (REF: E7B)

ONE @ 8/A.6-B



SECTION - B

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	759A	HSS6X5X5/16	12'-2 1/16"	A500-GR.B-46	
5	a757	PL5/8"X5"	0'-5"	A36	
4	a759	C6X8.2	5'-7 1/2"	A992	
1	b759	L7X4X7/16	12'-9 1/8"	A36	GALV.
1	d759	C6X8.2	5'-7 1/2"	A992	
1	e759	L7X4X7/16	3'-7 1/2"	A36	GALV.
1	f759	HSS6X5X5/16	3'-0 1/2"	A500-GR.B-46	

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL	06/28/16

Sequence: 7 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

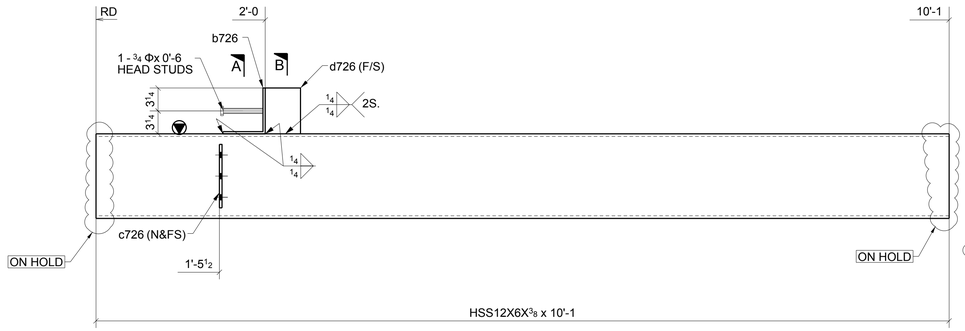
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

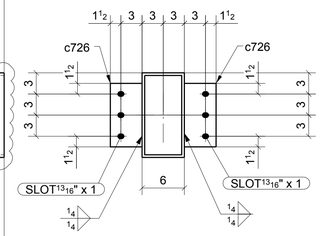
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/28/2016

Job No. A16013 BAT: DWG#: 759

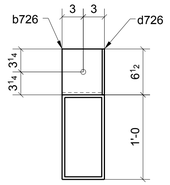


ONE - BEAM ~ 760A

LOCATION: (REF: E7B)
ONE @ 5-6/B.3-C



SECTION - A



SECTION - B

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	760A	HSS12X6X3/8	10'-1"	A500-GR.B-46	
1	b726	BPL5/16"*12"1/2	0'-6"	A36	
2	c726	PL3/8"X4 1/2"	0'-9"	A36	
1	d726	PL5/16"X5"	0'-6 1/2"	A36	
1		3/4" STUD	0'-6"		

Romac By: Checked By:

Beamline By: Checked By:

A	FOR APPROVAL		06/28/16

Sequence: 7 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

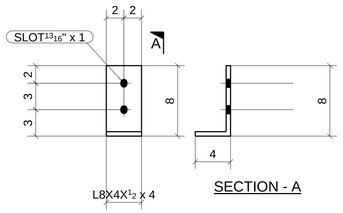
Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

Location: WEBSTER GUOVES,MO 63119

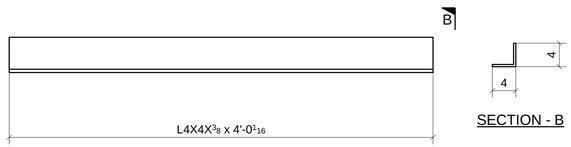
Dwn: ZZ Date: 06/24/2016 Ckd: LJ Date: 06/27/2016

Job No. A16013 BAT: DWG#: 760



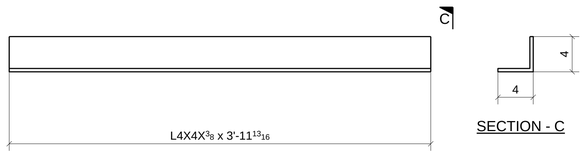
4 - ANGLES ~ 761A

(REF: E7B)



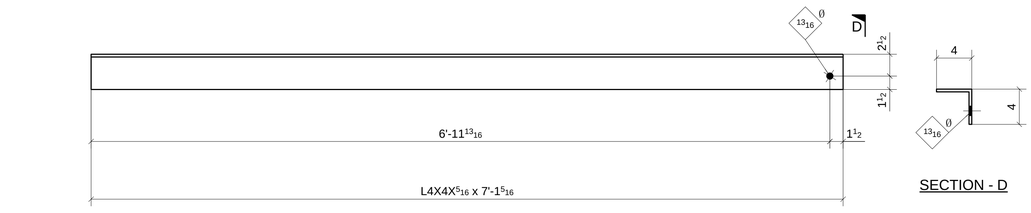
4 - ANGLES ~ 761B

(REF: E7B)



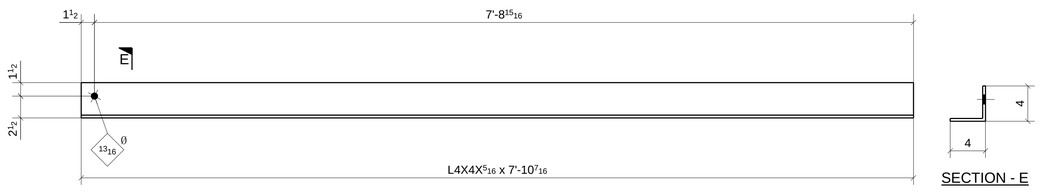
ONE - ANGLE ~ 761C

(REF: E7B)



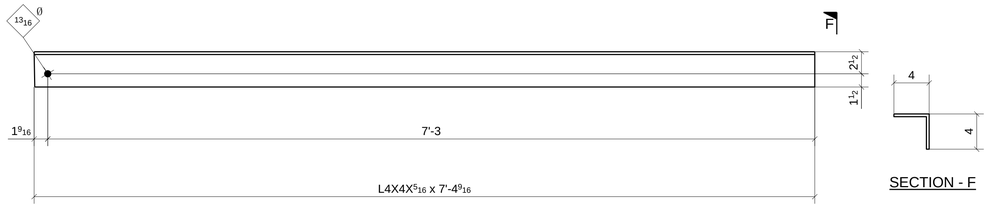
3 - ANGLES ~ 761D

(REF: E7B)



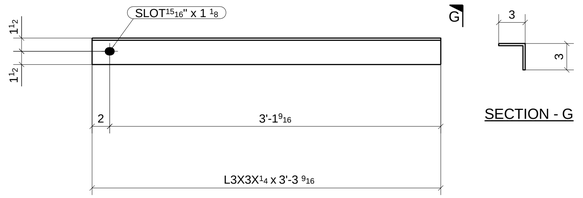
5 - ANGLES ~ 761F

(REF: E7B)



3 - ANGLES ~ 761H

(REF: E7B)



ONE - ANGLE ~ 761K

(REF: E7B)

FOR APPROVAL

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
4	761A	L8X4X1/2	0'-4"	A36	
4	761B	L4X4X3/8	4'-0 1/16"	A36	
1	761C	L4X4X3/8	3'-11 13/16"	A36	
3	761D	L4X4X5/16	7'-1 5/16"	A36	
5	761F	L4X4X5/16	7'-10 7/16"	A36	
3	761H	L4X4X5/16	7'-4 9/16"	A36	
1	761K	L3X3X1/4	3'-3 9/16"	A36	

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

A	FOR APPROVAL	06/28/16

Sequence: 7 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: 06/24/2016 Ckd: LJ Date: 06/24/2016

Job No. A16013 BAT: _____ DWG#: 761

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

051200-023
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

051200
SPECIFICATION SECTION / PARAGRAPH

Atlas Iron Works
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

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

ITEM BEING SUBMITTED FOR (check only one)

- ◉ Action
- ◯ Information Only
- ◯ Record

REMARKS OR DEVIATIONS

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

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

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

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

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

6/28/16
DATE

To be completed by Reviewer

05 1200-023
CANNON DESIGN SUBMITTAL NUMBER

6/29/16
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
- ☒ 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: 07/08/2016

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0111

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/28/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Webster Seq 7 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		051200-023	1		06/28/2016	Webster Seq 7 Steel	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates