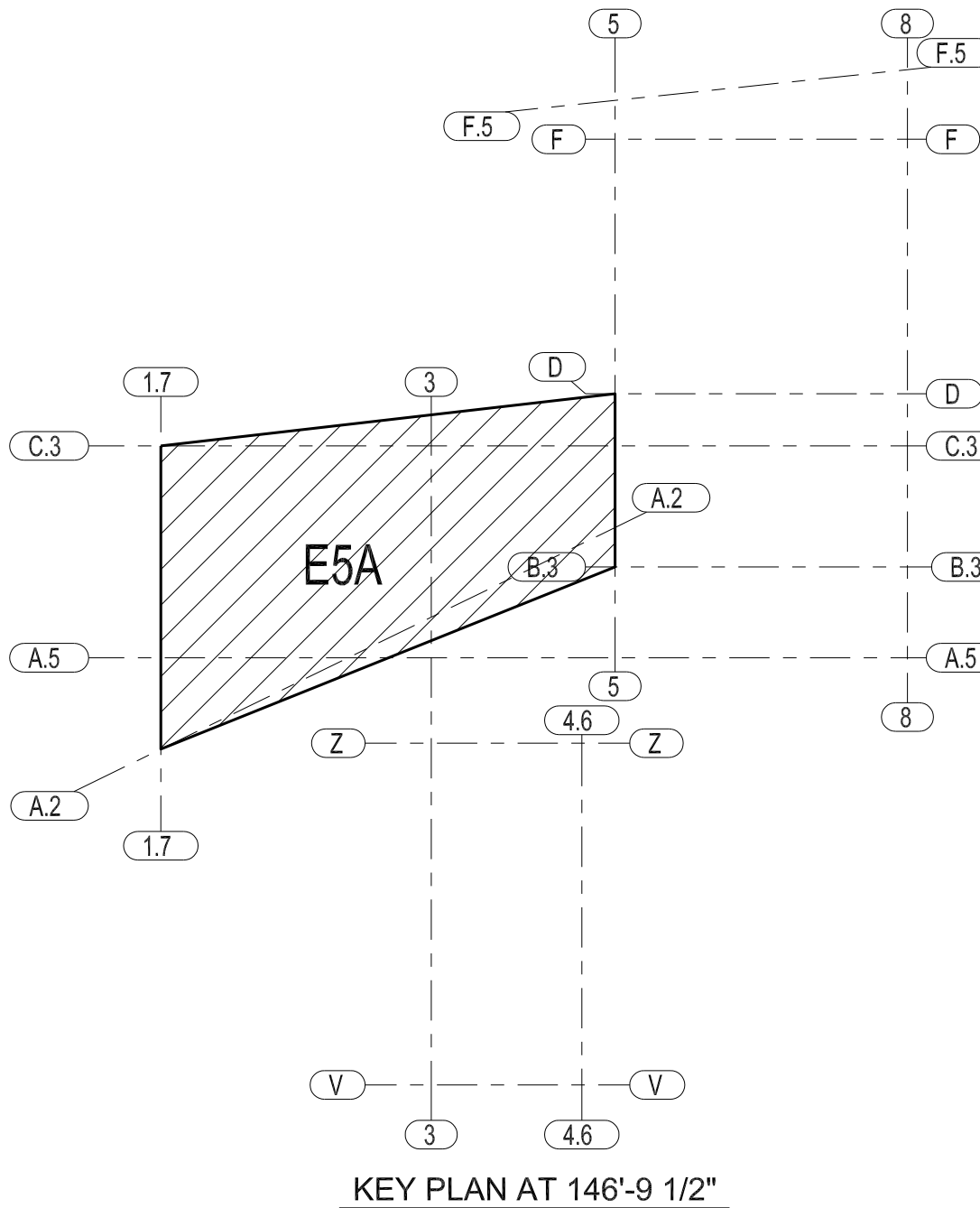
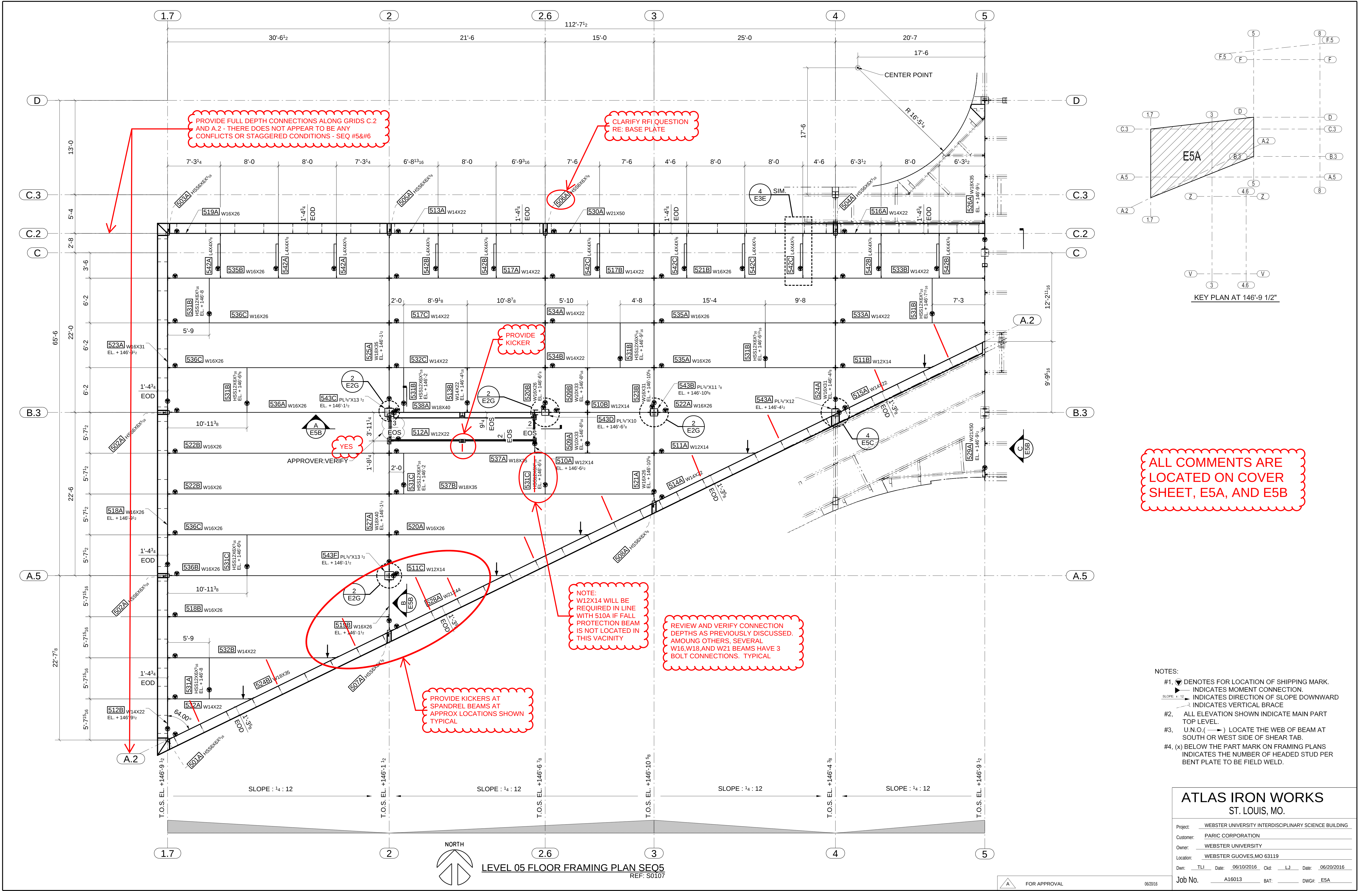




ALL COMMENTS ARE
LOCATED ON COVER
SHEET, E5A, AND E5B

- NOTES:
- #1, DENOTES FOR LOCATION OF SHIPPING MARK.
 - INDICATES MOMENT CONNECTION.
 - INDICATES DIRECTION OF SLOPE DOWNWARD
 - INDICATES VERTICAL BRACE
 - #2, ALL ELEVATION SHOWN INDICATE MAIN PART TOP LEVEL.
 - #3, U.N.O. () LOCATE THE WEB OF BEAM AT SOUTH OR WEST SIDE OF SHEAR TAB.
 - #4, (x) BELOW THE PART MARK ON FRAMING PLANS INDICATES THE NUMBER OF HEADED STUD PER BENT PLATE TO BE FIELD WELD.

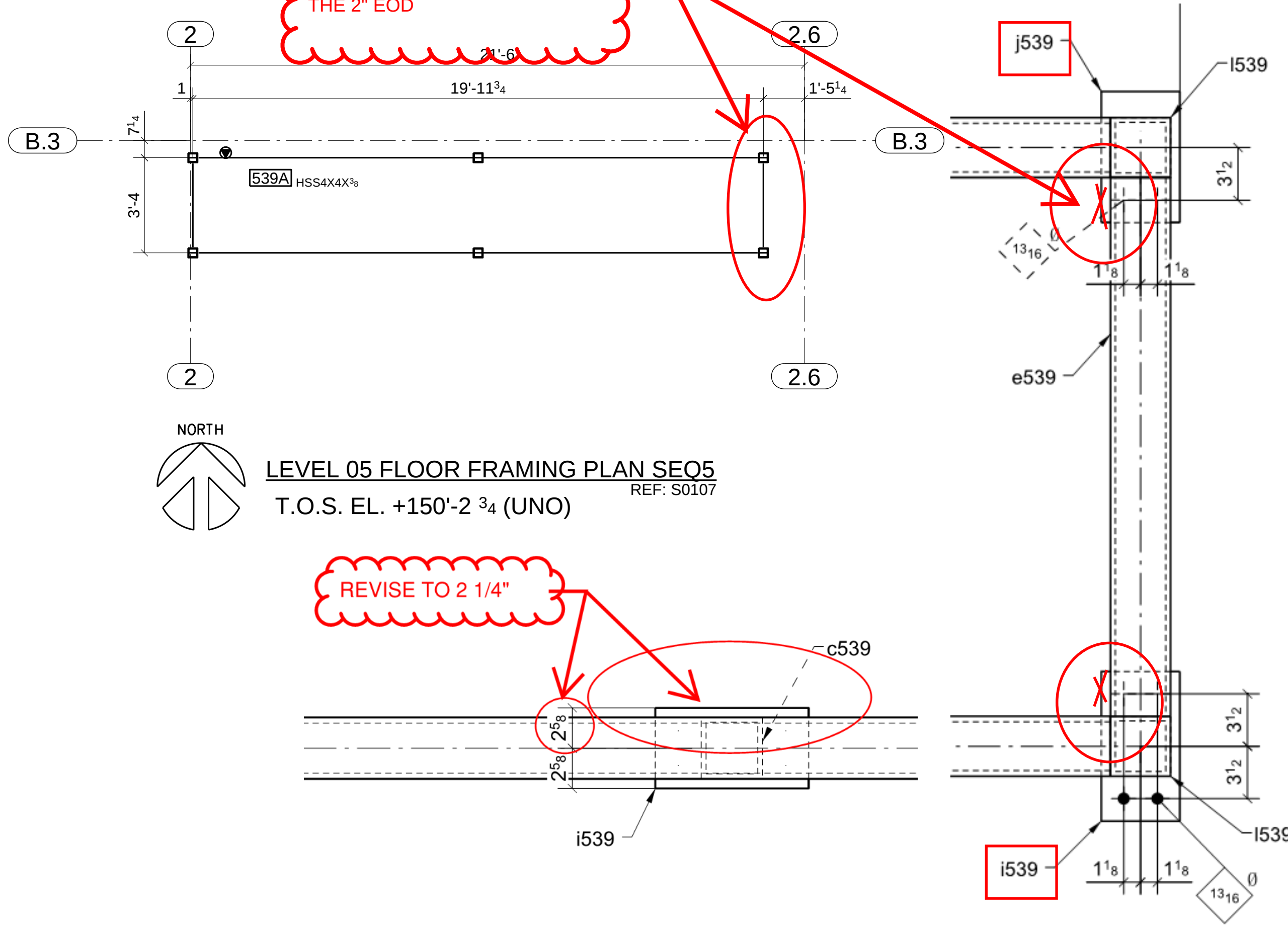
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUVES, MO 63119				
Dwn:	TLI	Date:	06/10/2016	Ckd:	LJ
		Date:	06/20/2016		
Job No.	A16013	BAT:		DWG#:	E5A

FOR APPROVAL

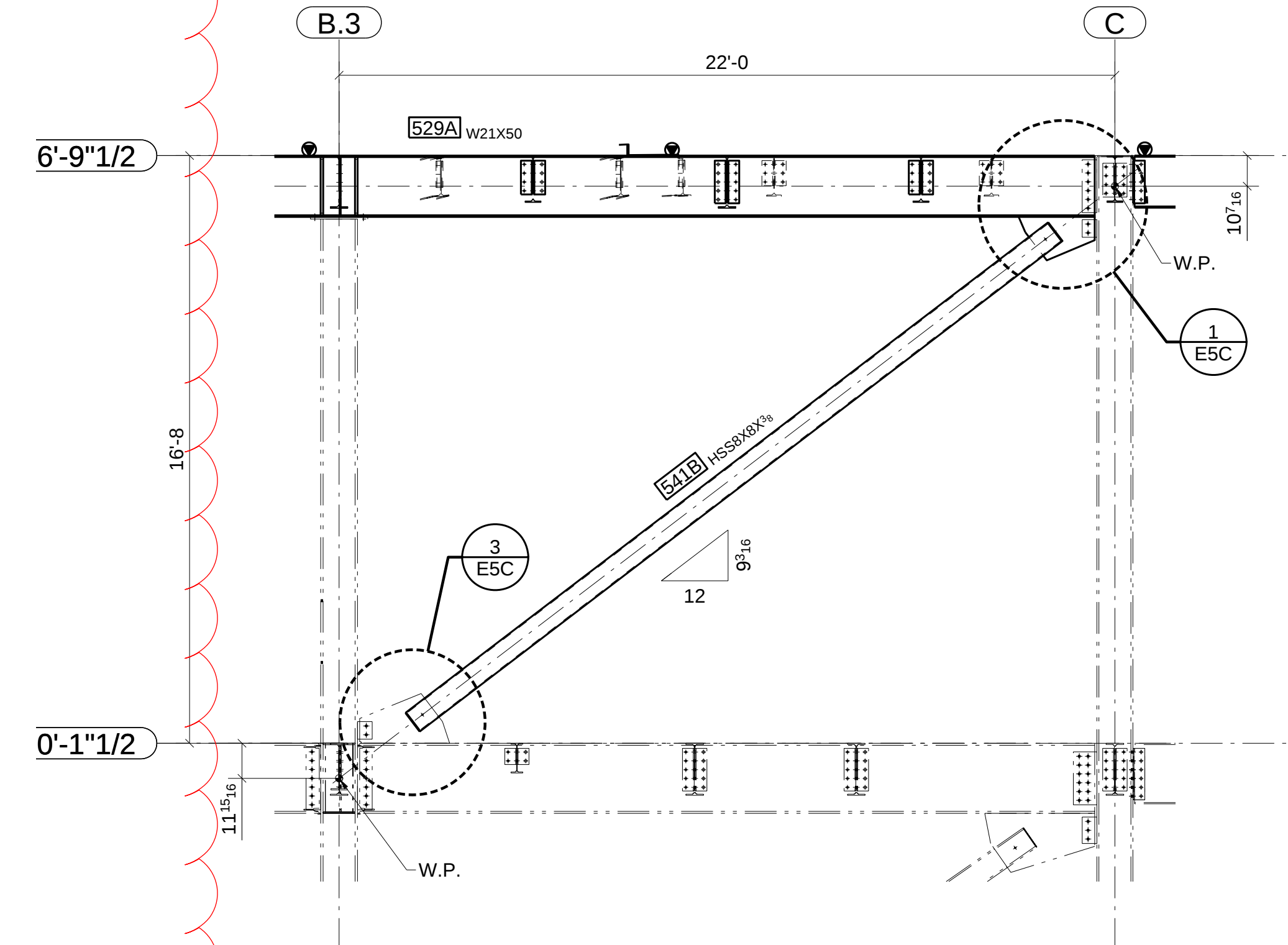
06/20/2016

REVISE BASE PLATES (j539 & i539) TO LIMIT THE INTRUSION OF THE PLATE INTO THE INTERIOR SPACE BY 1/4" PAST THE 2" EOD

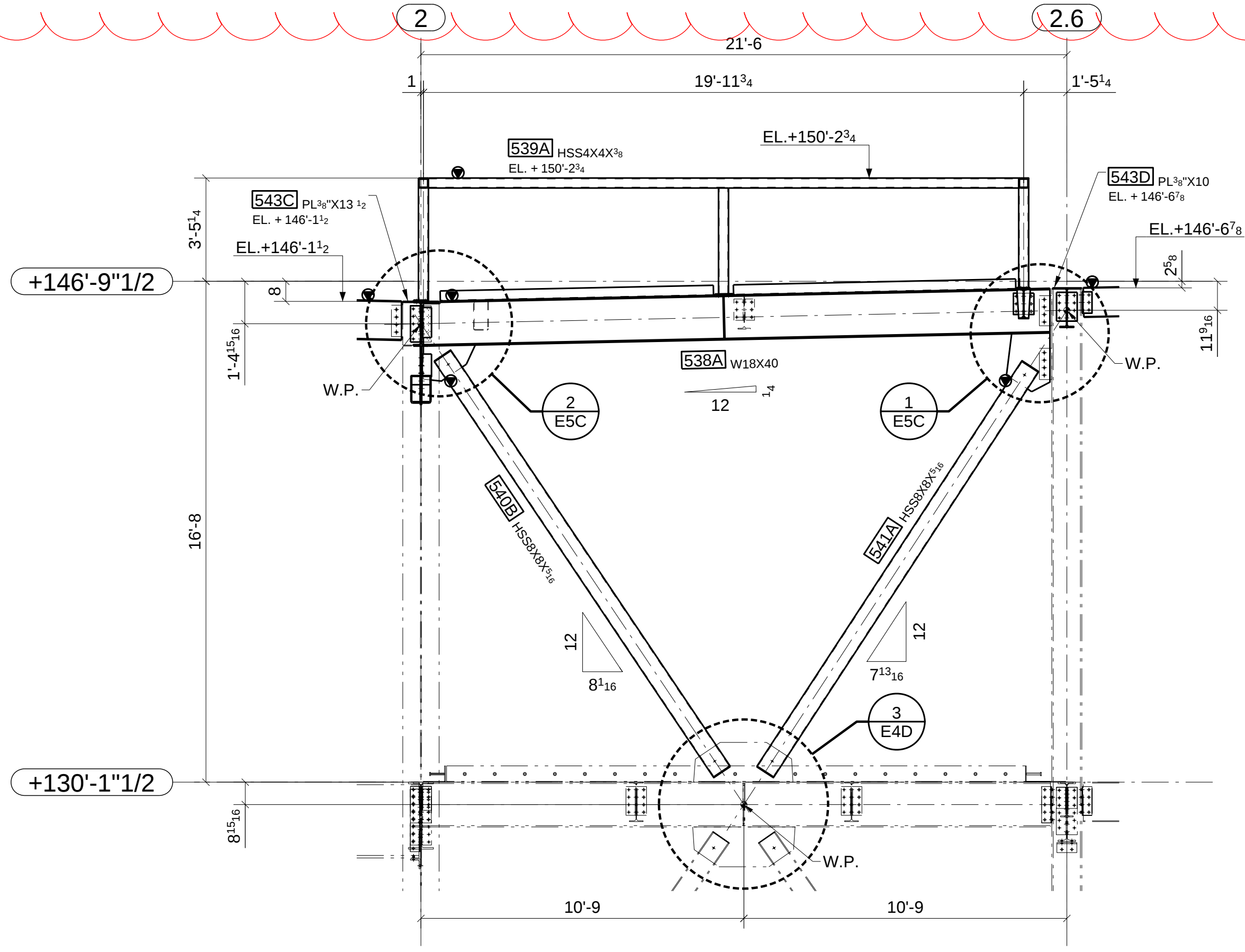
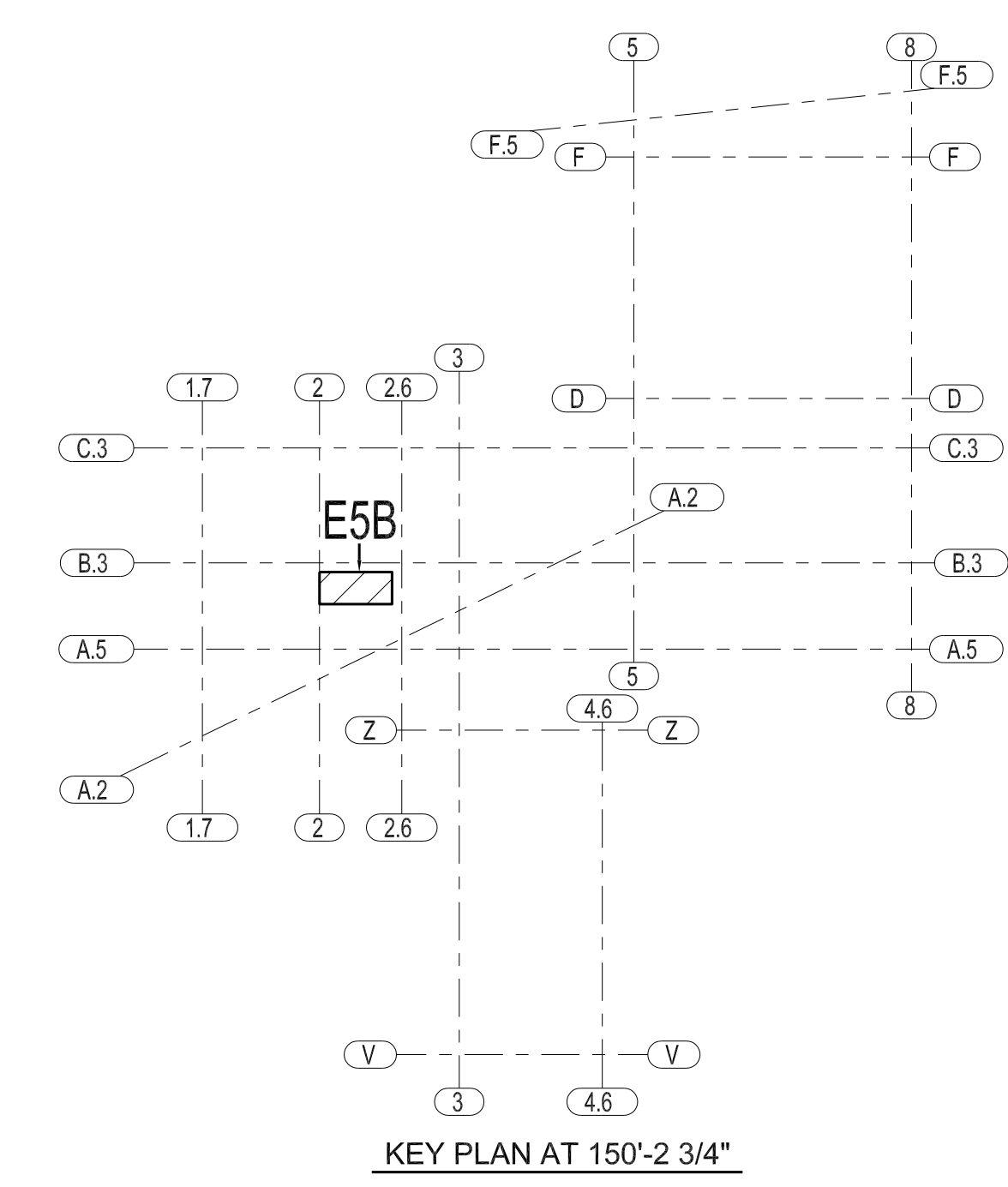


LEVEL 05 FLOOR FRAMING PLAN SEQ5
T.O.S. EL. +150'-2 3/4 (UNO)
REF: S0107

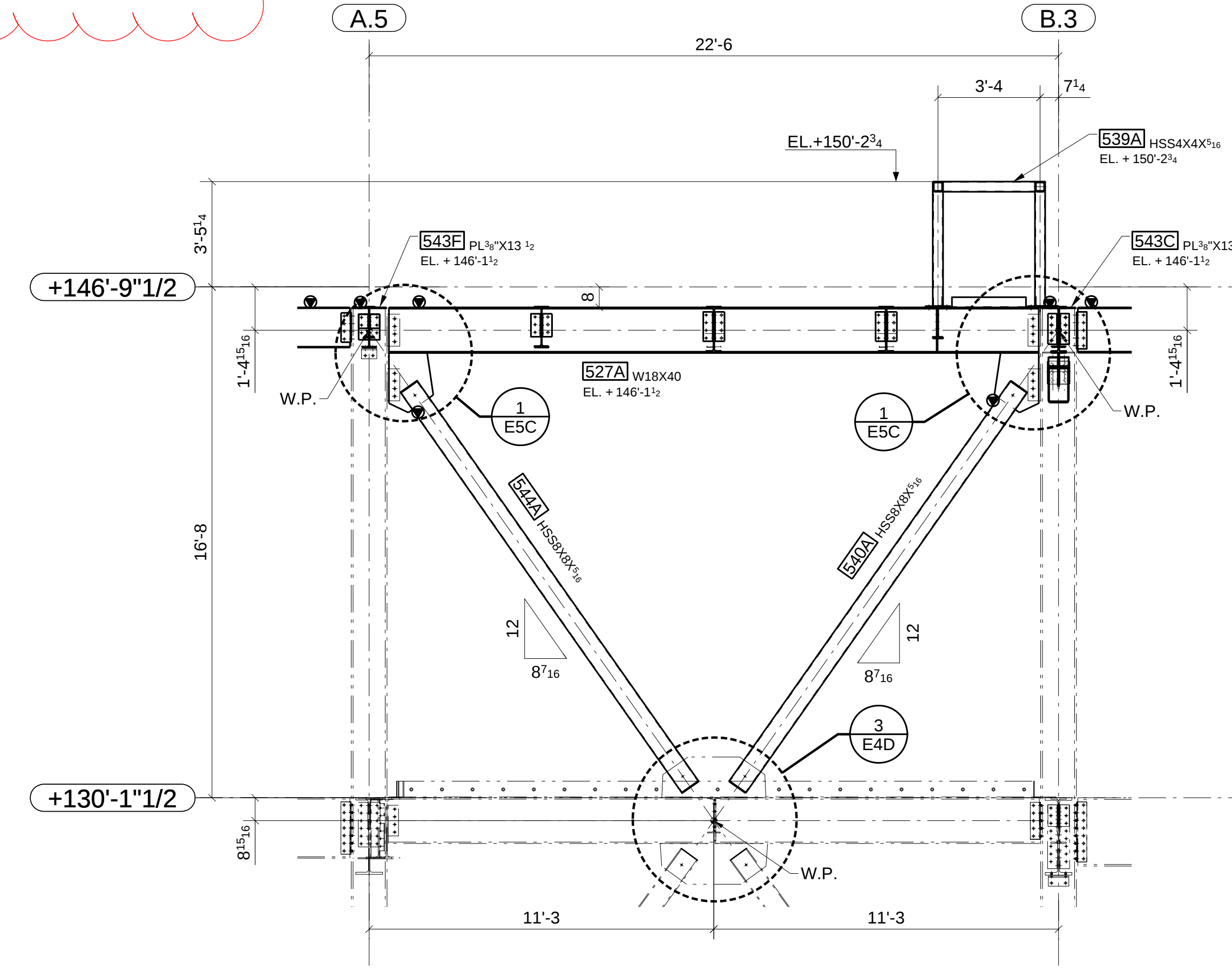
REVISE TO 2 1/4"



SECTION E5A ELEVATION ON LINE 5



SECTION A E5A ELEVATION ON LINE B.3



SECTION B E5A ELEVATION ON LINE 2

- NOTES:
- #1, (X) DENOTES FOR LOCATION OF SHIPPING MARK.
 - INDICATES MOMENT CONNECTION.
 - INDICATES DIRECTION OF SLOPE DOWNWARD
 - INDICATES VERTICAL BRACE
 - #2, ALL ELEVATION SHOWN INDICATE MAIN PART TOP LEVEL.
 - #3, U.N.O. () LOCATE THE WEB OF BEAM AT SOUTH OR WEST SIDE OF SHEAR TAB.
 - #4, (X) BELOW THE PART MARK ON FRAMING PLANS INDICATES THE NUMBER OF HEADED STUD PER BENT PLATE TO BE FIELD WELD.

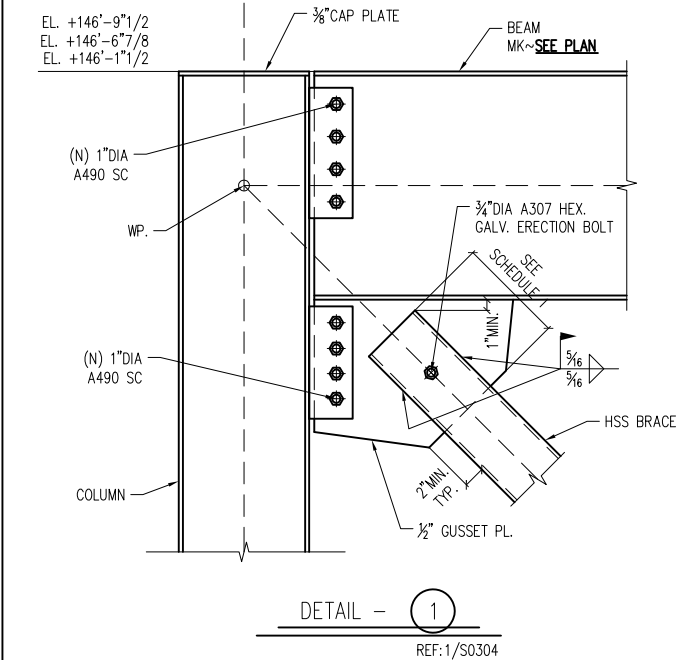
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES, MO 63119
Dwn: TLI Date: 06/10/2016 Ckd: LJ Date: 06/20/2016
Job No. A16013 BAT: DWG#: E5B

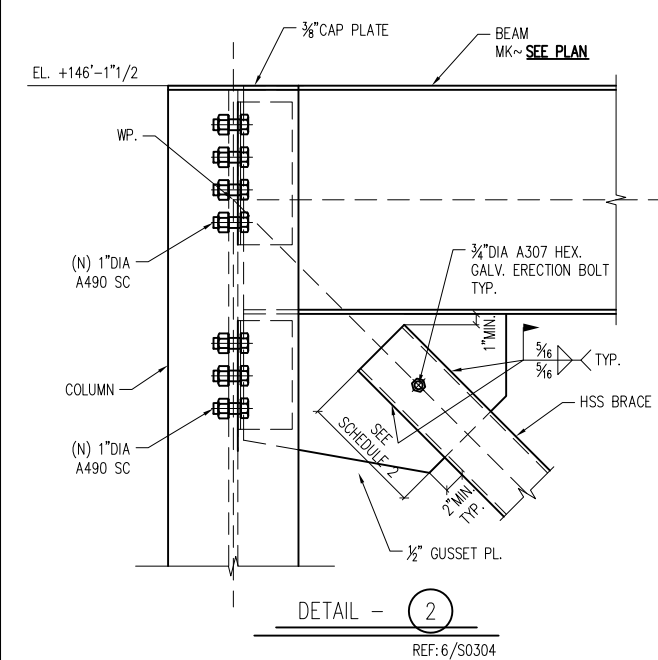
FOR APPROVAL

06/20/2016

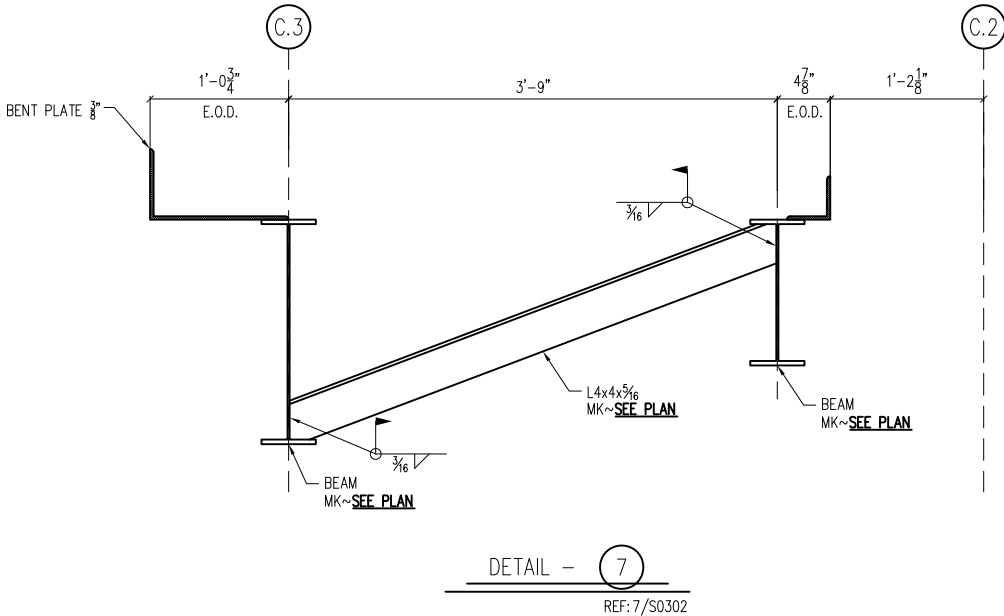
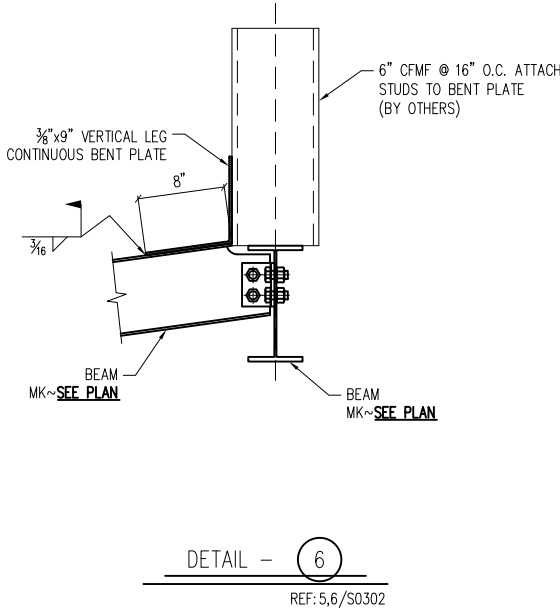
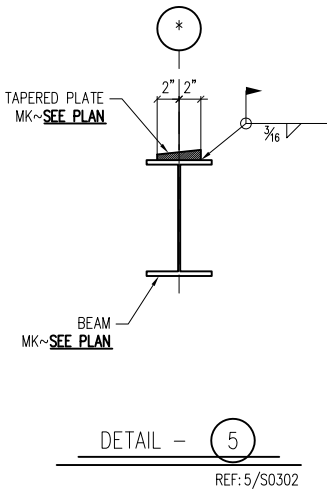
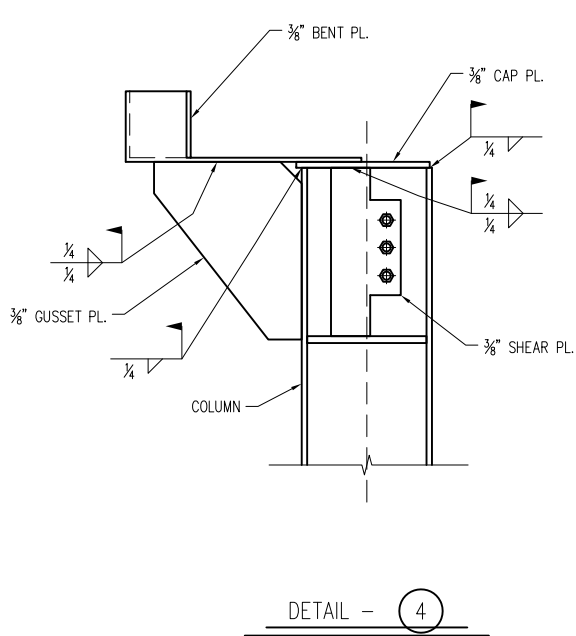
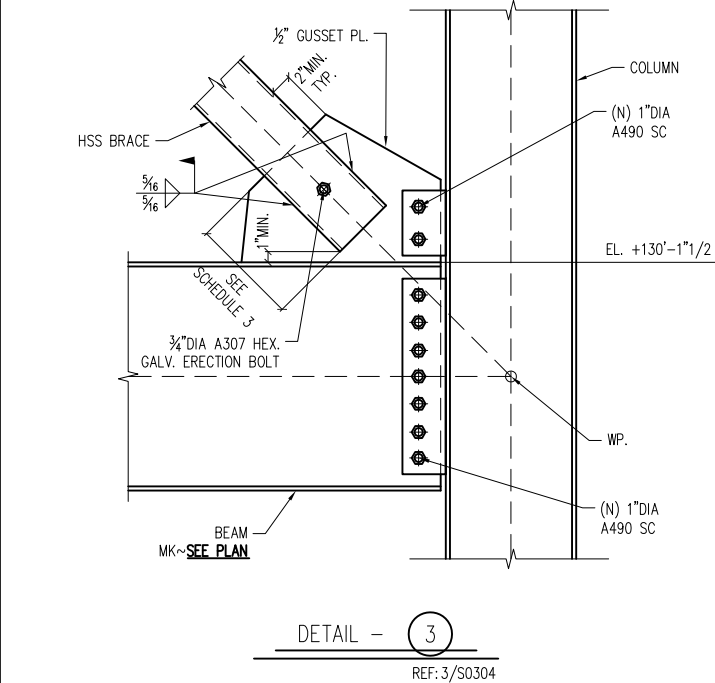
SCHEDULE 1	
LOCATION	WELD LENGTH
GRID B.3-C/5	8"
GRID A.5-B.3/2	8"
GRID B.3/2-2.6	8"



SCHEDULE 2	
LOCATION	WELD LENGTH
GRID B.3/2-2.6	8"



SCHEDULE 3	
LOCATION	WELD LENGTH
GRID B.3-C/5	8"



ATLAS IRON WORKS

ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

Customer: PARIC CORPORATION

Owner: WEBSTER UNIVERSITY

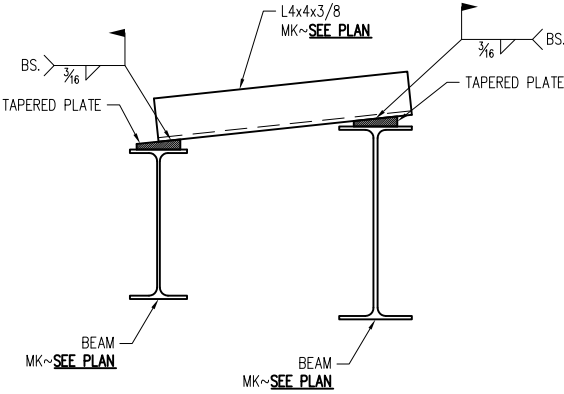
Location: WEBSTER GUOVES,MO 63119

Dwn: ZZ Date: 06/20/16 Ckd: LJ Date: 06/20/16

Job No. A16013 BAT: DWG#: E5C

FOR APPROVAL

06-20-16



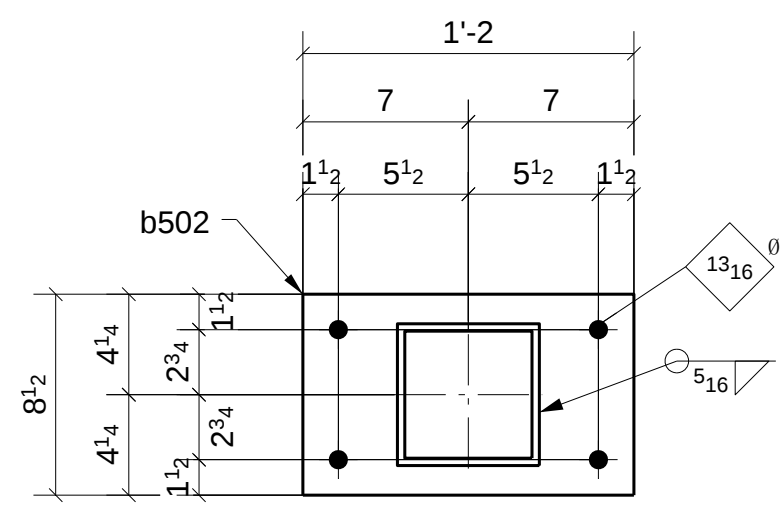
DETAIL - 1

ATLAS IRON WORKS
ST. LOUIS, MO.

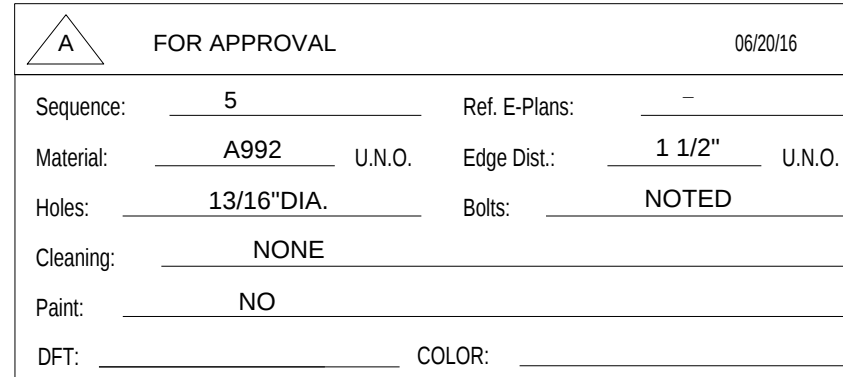
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GROVES, MO 63119
Dwn: ZZ Date: 06/20/16 Ckd: LJ Date: 06/20/16
Job No. A16013 BAT: DWG#: E5D

FOR APPROVAL

06-20-16



	FOR APPROVAL		06/2016
Sequence:	5	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:		



Roman By: _____	Checked By: _____
Bearman By: _____	Checked By: _____

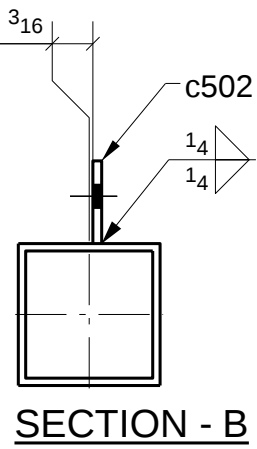
ATLAS IRON WORKS

ST. LOUIS, MO.

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

Drawn:	TLI	Date:	06/09/2016	Ckd:	LJ	Date:	06/20/2016
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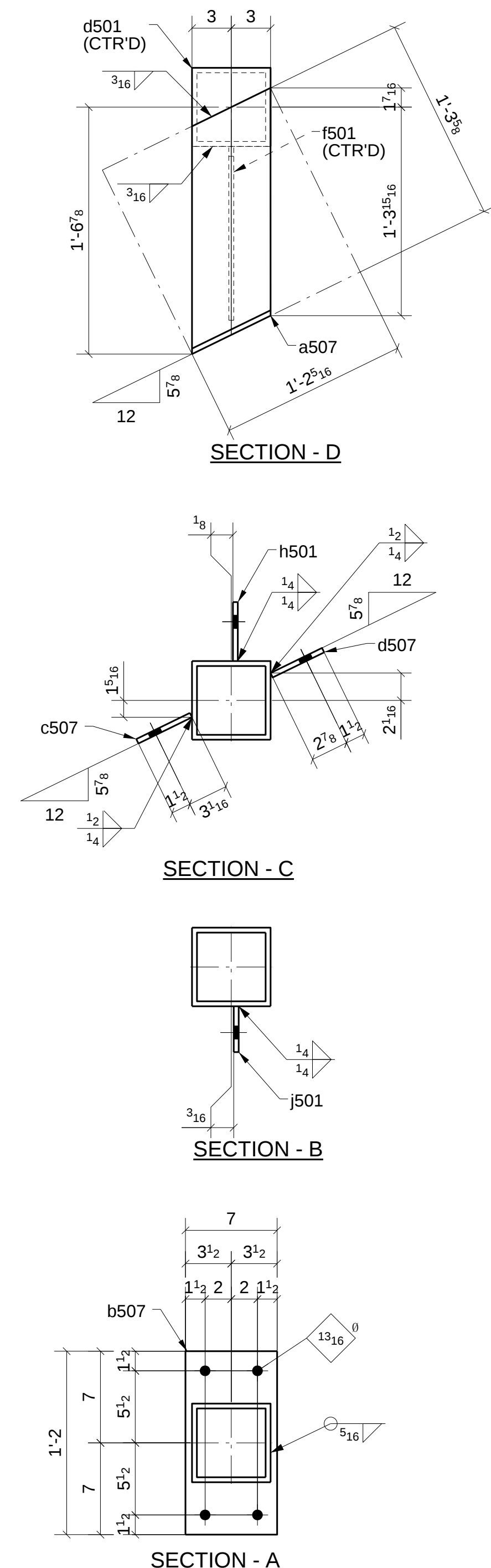
Job No.	A16013	RAT:	DWG#:	503
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	FOR APPROVAL		06/20/16
	Sequence: 5	Ref. E-Plans:	-
	Material: A992 U.N.O.	Edge Dist.: 1 1/2"	U.N.O.
	Holes: 13/16" DIA.	Bolts:	NOTED
	Cleaning: NONE		
	Paint: NO		
	DFT: _____	COLOR: _____	



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:	06/09/2016	Ckd:	LJ	Date:	06/17/2016
Job No.	A16013		BAT:			DWG#:	505



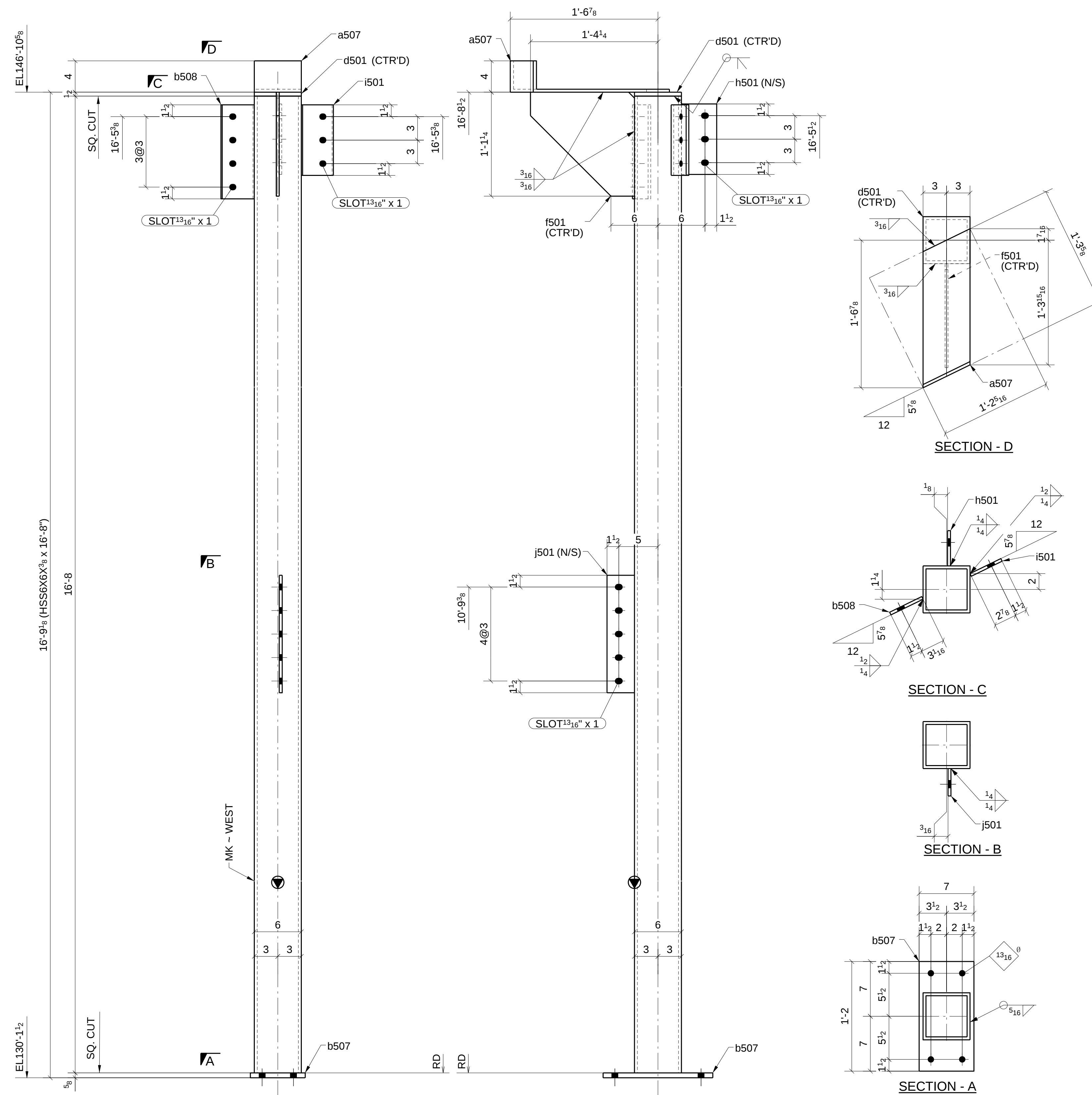
A	FOR APPROVAL		06/20/16	
Sequence:	5	Ref. E-Plans:	--	
Material:	A992	U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16" DIA.	Bolts:	NOTED	
Clearing:	NONE			
Paint:	NO			
DFT:		COLOR:		

Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

ATLAS IRON WORKS
ST. LOUIS, MO.

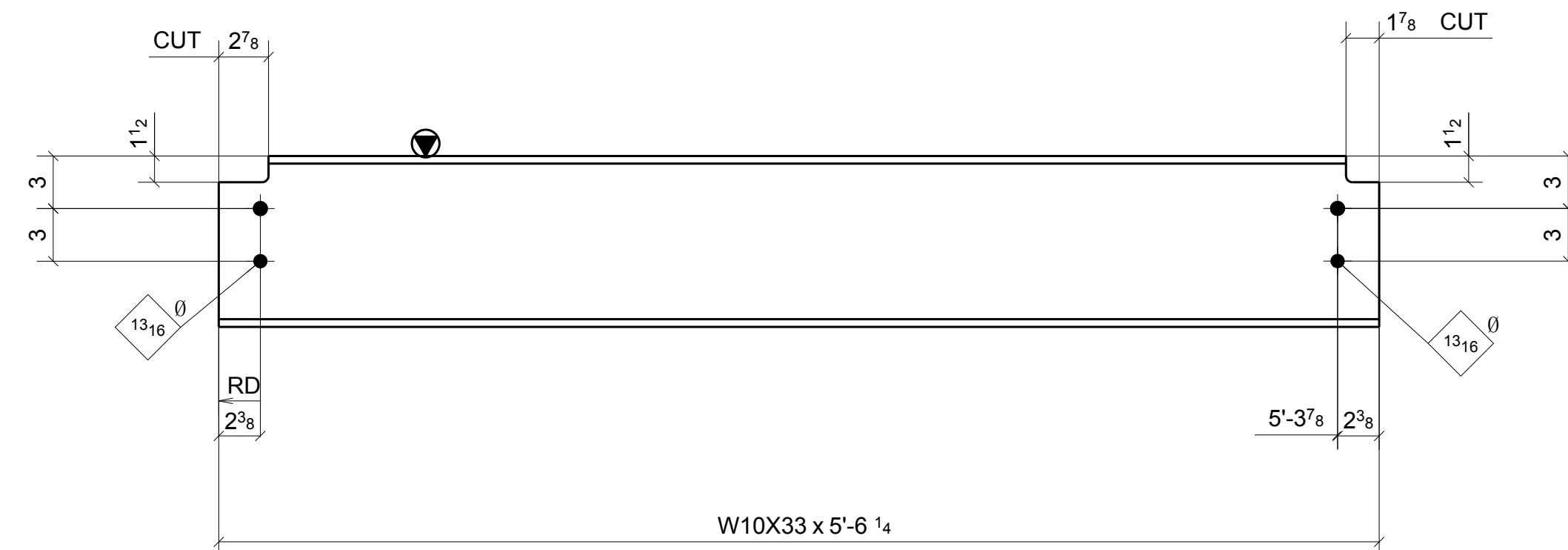
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES, MO 63119
Dwn: TLI Date: 06/09/2016 Ckd: LJ Date: 06/20/2016
Job No. A16013 BAT: Dwg#: 508



ONE - COLUMN ~ 508A

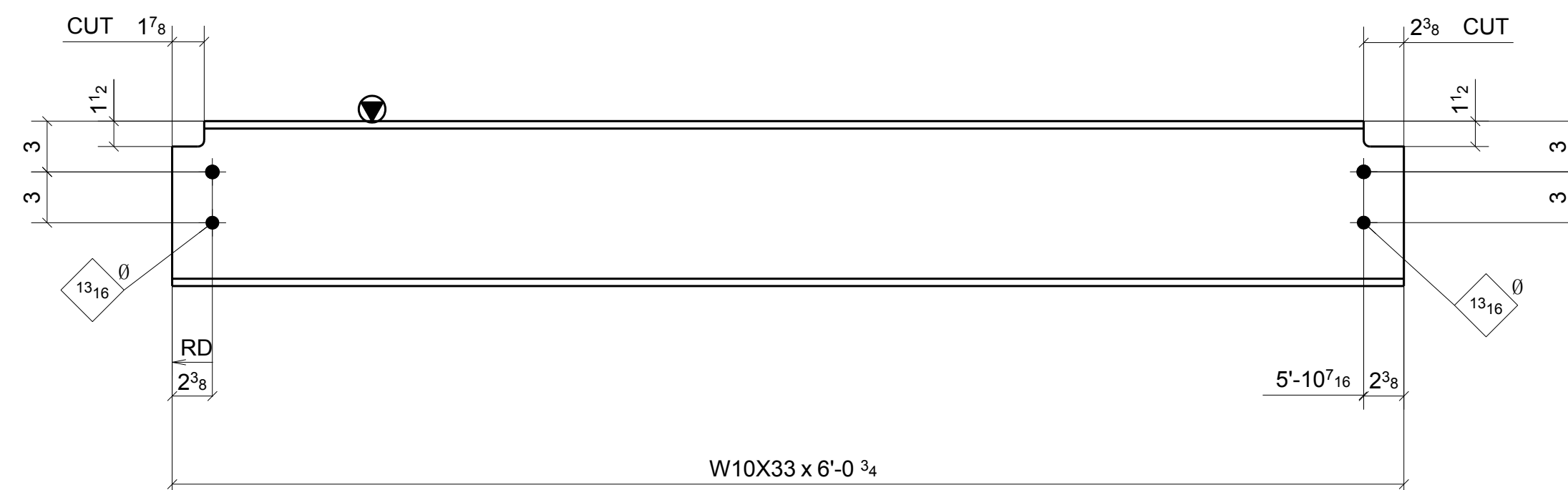
LOCATION: ONE @ 3/A.5-B.3 (REF: E5A)

	FOR APPROVAL		06/20/16
	Sequence: 5	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 ~ 509A

LOCATION: ONE @ 2.6-3/A.5-B.3 (REF: E5A)



ONE - BEAM ~ 509B

LOCATION: ONE @ 2.6-3/B.3-C (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

A FOR APPROVAL		06/20/16	
Sequence:	5	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:	06/09/2016	Otd:	LJ	Date:	06/17/2016
Job No	A16013	RAT:		DWG#	509		



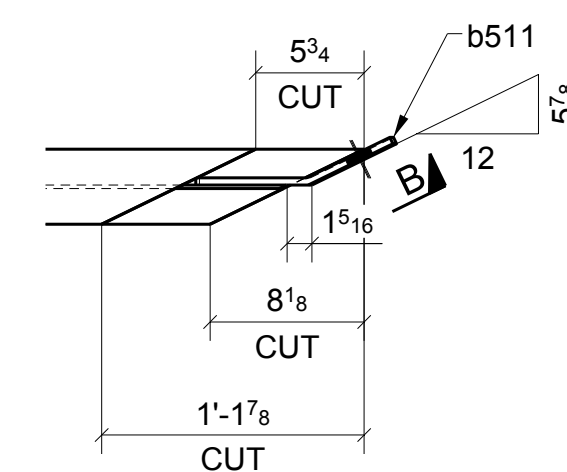
A	FOR APPROVAL		06/20/16	
	Sequence: 5		Ref. E-Plans: -	
	Material: A992	U.N.O.	Edge Dist: 1 1/2"	U.N.O.
	Holes: 13/16" DIA.		Bolts: NOTED	
	Cleaning: NONE			
	Paint: NO			
	DFT: _____		COLOR: _____	

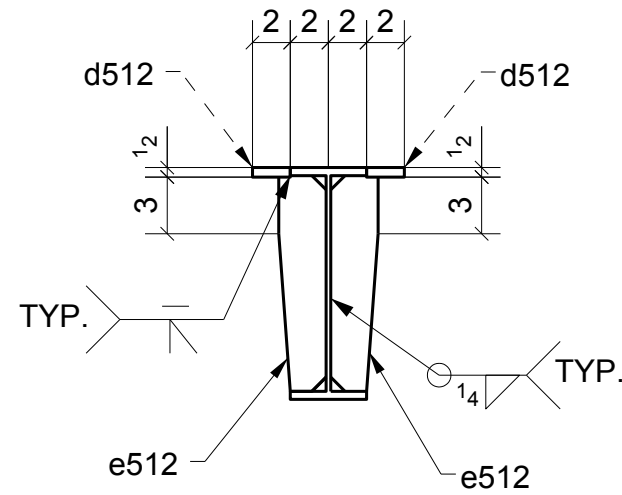
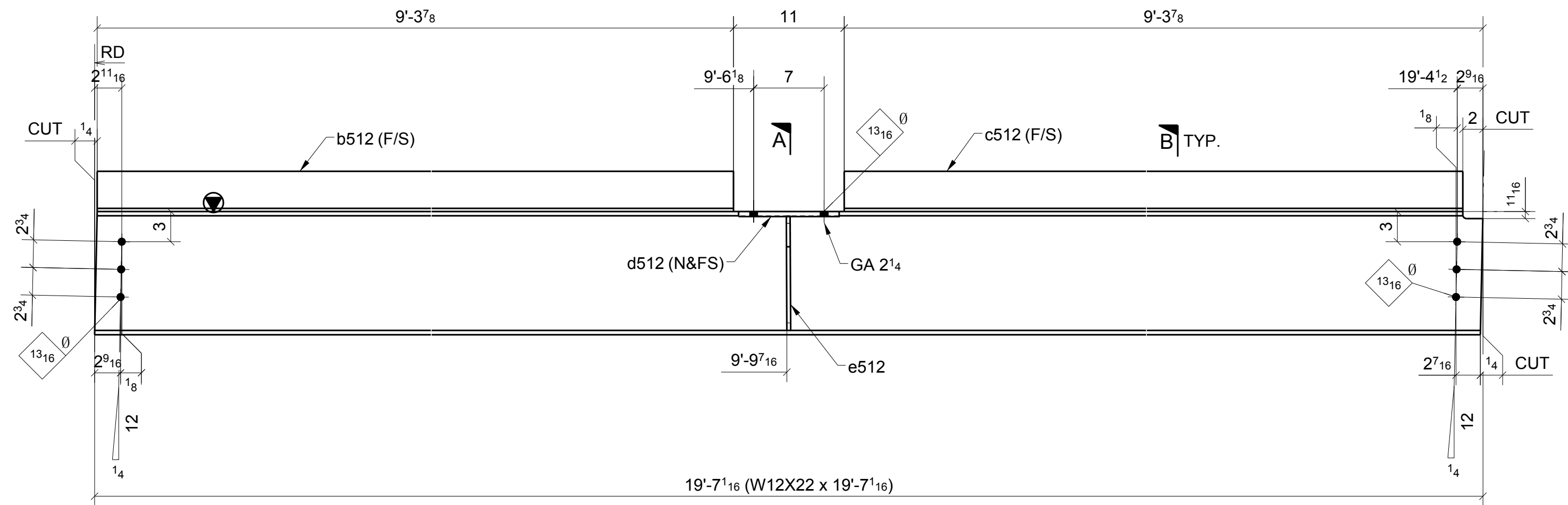
Romac By: _____ Checked By: _____

Beamline By: _____ Checked By: _____

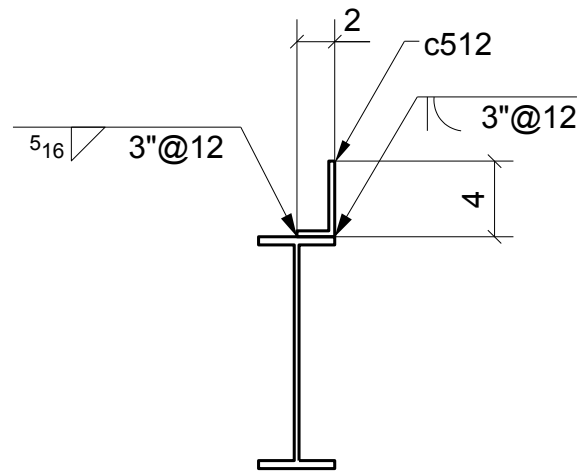
ATLAS IRON WORKS
ST. LOUIS, MO.

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES MO 63119
Dwn: ZZ Date: 06/09/2016 Ckd: LJ Date: 06/21/2016
Job No. A16013 BAT: DWG#: 510

[illegible][illegible]



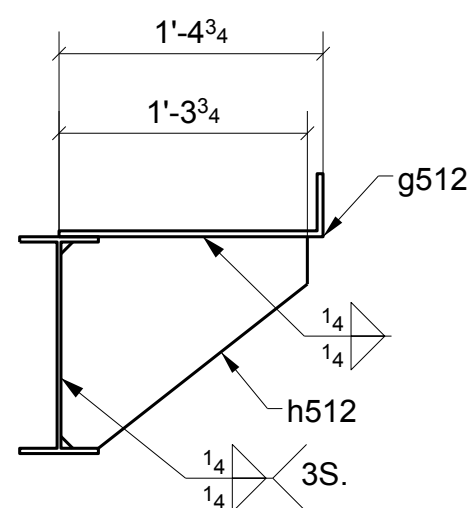
SECTION - A



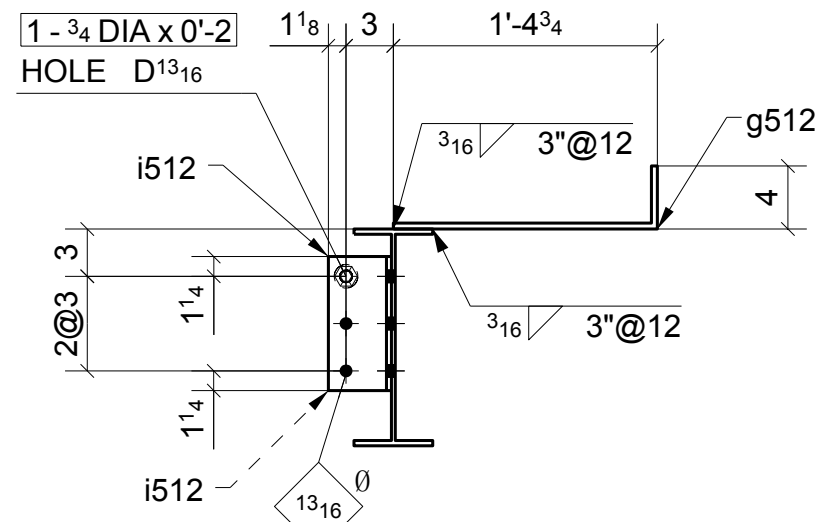
SECTION - B

ONE - BEAM ~ 512A

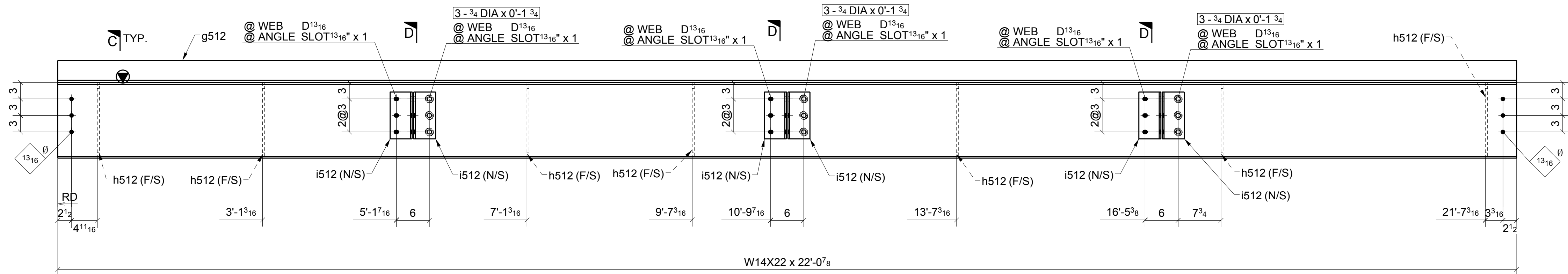
LOCATION: ONE @ 2-2.6/A.5-B.3 (REF: E5A)



SECTION - C



SECTION - D



ONE - BEAM ~ 512B

LOCATION: ONE @ 1.7/4-A.5 (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	512A	W12X22	19'-7 1/16"	A992	
1	b512	BPL5/16**6	9'-3 7/8"	A36	
1	c512	BPL5/16**6	9'-1 7/8"	A36	
2	d512	PL 1/2"X2"	0'-10"	A36	
2	e512	PL 3/8"X2 1/2"	0'-11 3/8"	A36	
1	512B	W14X22	22'-0 7/8"	A992	
1	g512	BPL 3/8"X20 3/4"	22'-0 7/8"	A36	
7	h512	PL 3/8"X13 7/16"	1'-3 5/8"	A36	
6	i512	L4X4X5/16	0'-8 1/2"	A36	
3		3/4" DIA. W/N&W	0'-2"	A325N TC	
9		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	

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

ATLAS IRON WORKS
ST. LOUIS, MO.

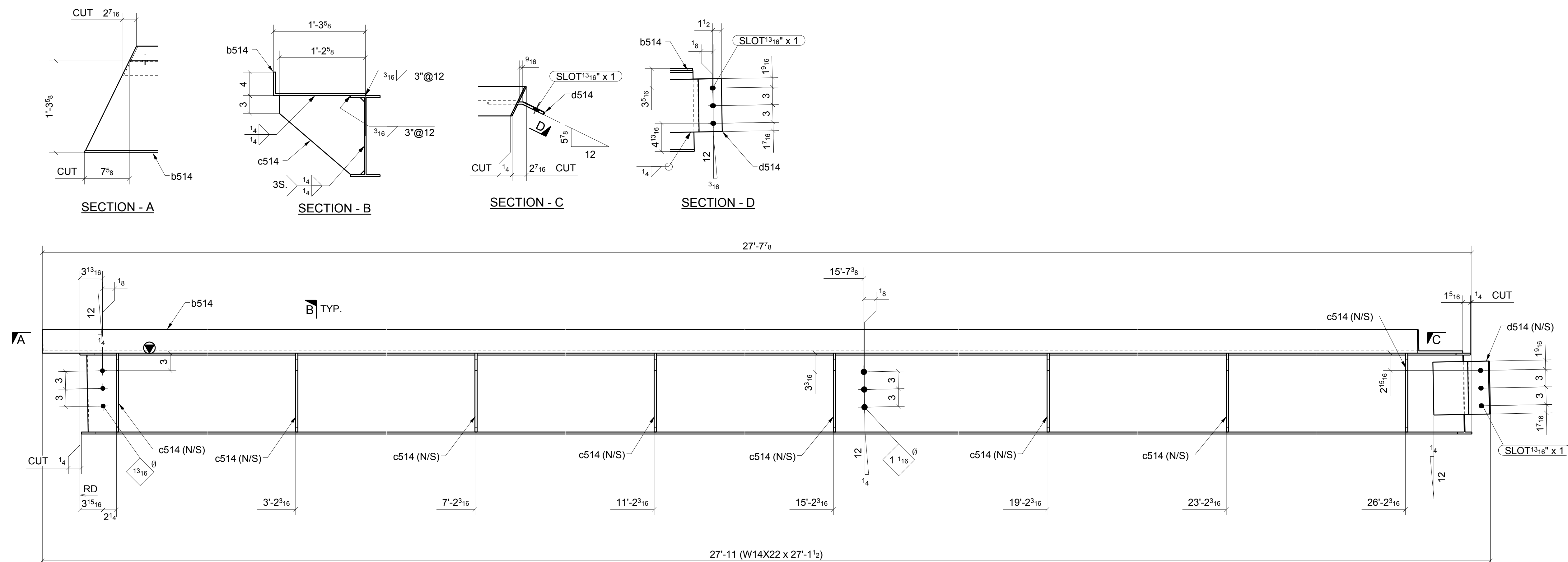
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES.MO 63119
Dwn: ZZ Date: 06/09/2016 Ckd: LJ Date: 06/21/2016
Job No. A16013 BAT: _____ DWG#: 512

FOR APPROVAL		06/20/16
Sequence: 5	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 GROVES, MO 63119
Dwn: ZZ Date: 06/09/2016 Ckd: LJ Date: 06/21/2016
Job No. A16013 BAT: DWG#: 514

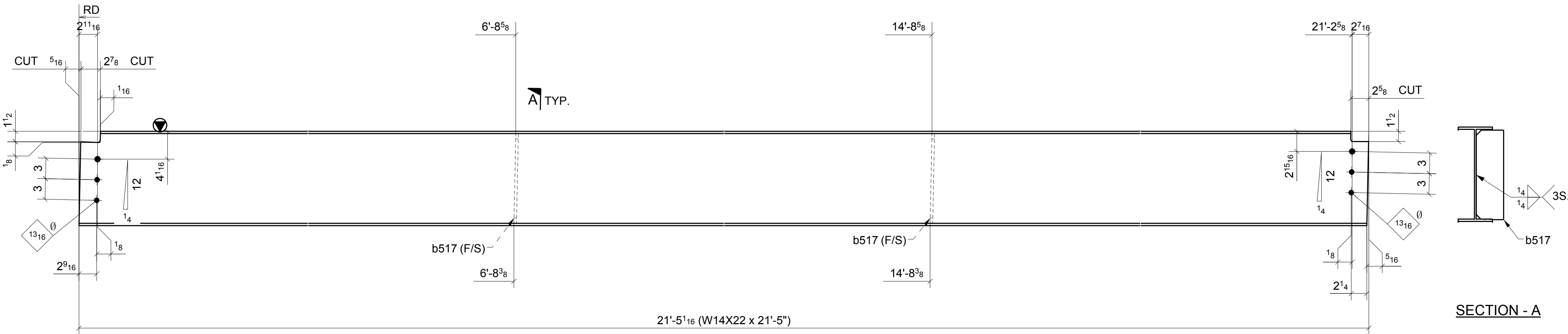


ONE - BEAM ~ 514A

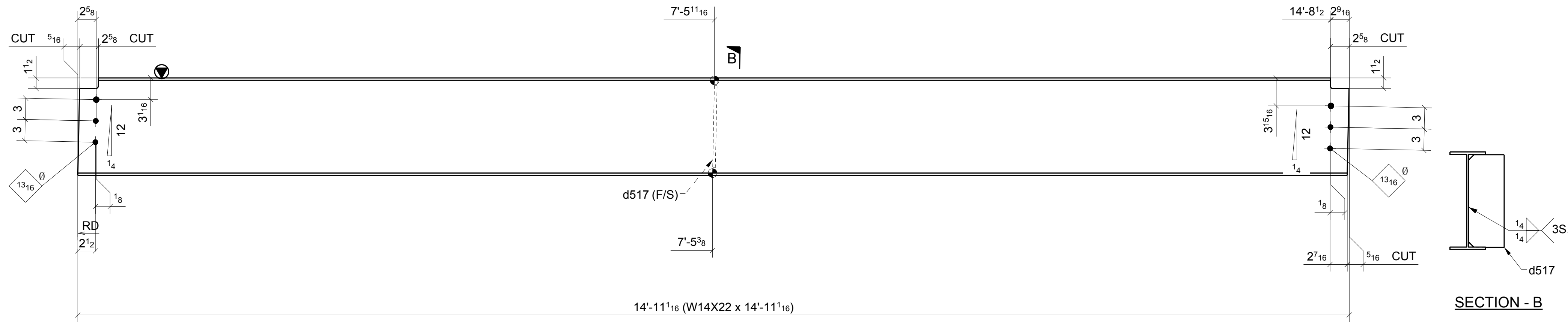
LOCATION: ONE @ 3-4/A.5-B.3 (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

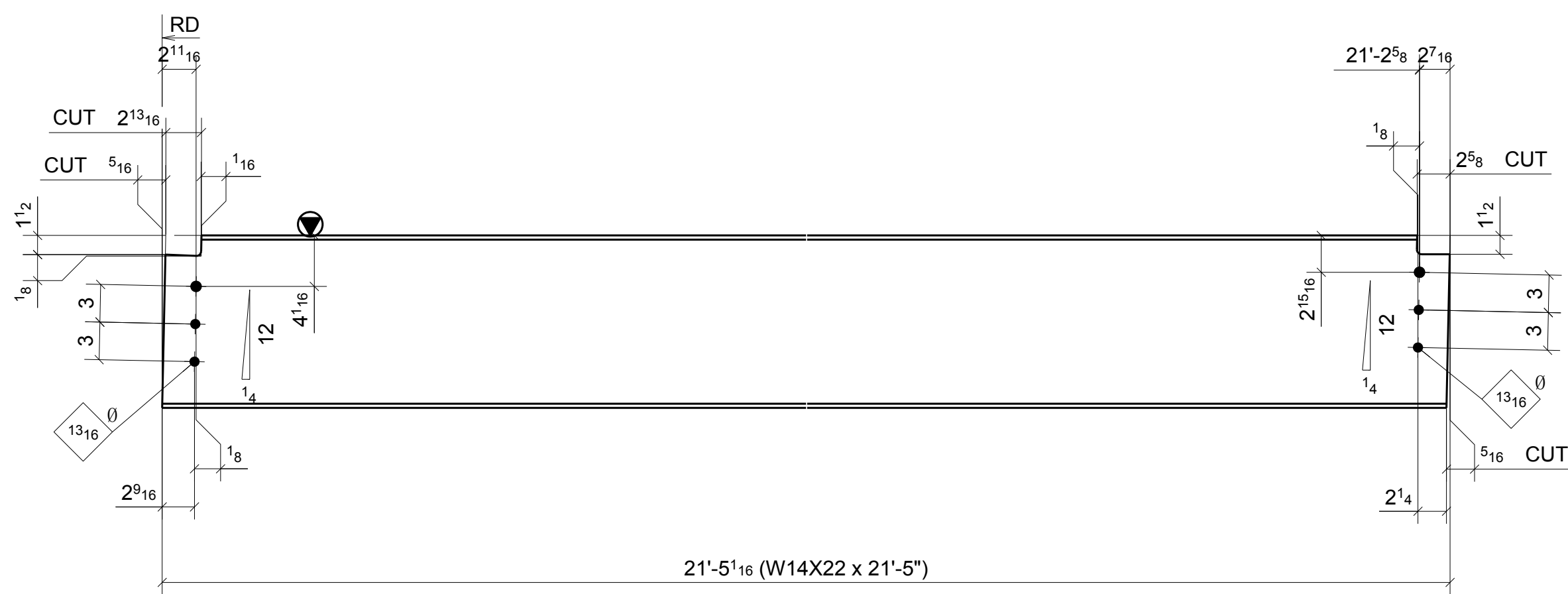
A	FOR APPROVAL		06/2016
Sequence:	5	Ref. E.Plans:	-
Material:	A992	U.N.O.	Edge Dist.: 1 1/2" U.N.O.
Holes:	13/16" DIA.	Bolts:	NOTED
Cleaning:	NONE		
Paint:	NO		
DFT:		COLOR:	



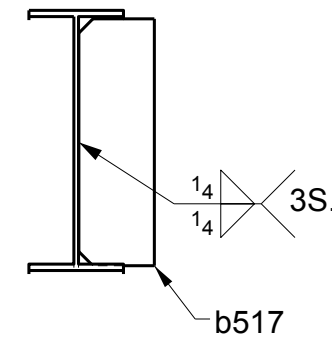
ONE - BEAM ~ 517A
LOCATION: ONE @ 2-2.6/B.3-C (REF: E5A)



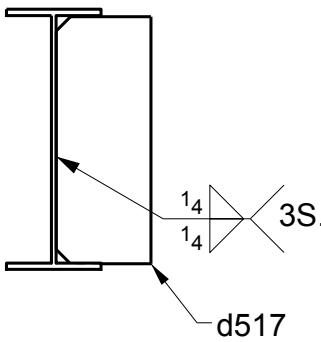
ONE - BEAM ~ 517B
LOCATION: ONE @ 2.6-3/B.3-C (REF: E5A)



ONE - BEAM ~ 517C
LOCATION: ONE @ 2-2.6/B.3-C (REF: E5A)



SECTION - A



SECTION - B

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	517A	W14X22	21'-5"	A992	
2	b517	PL 3/8"X4"	1'-1 1/16"	A36	
1	517B	W14X22	14'-11 1/16"	A992	
1	d517	PL 3/8"X5"	1'-1 1/16"	A36	
1	517C	W14X22	21'-5"	A992	

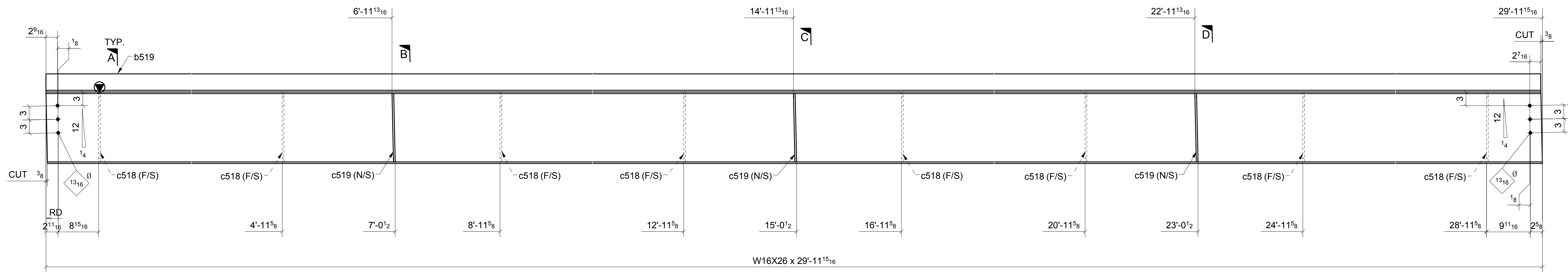
Romac By: _____ Checked By: _____
Beamline By: _____ Checked By: _____

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: 06/09/2016 Ckd: LJ Date: 06/21/2016
Job No. A16013 BAT: _____ DWG#: 517

FOR APPROVAL		06/20/16
Sequence: 5	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: _____	

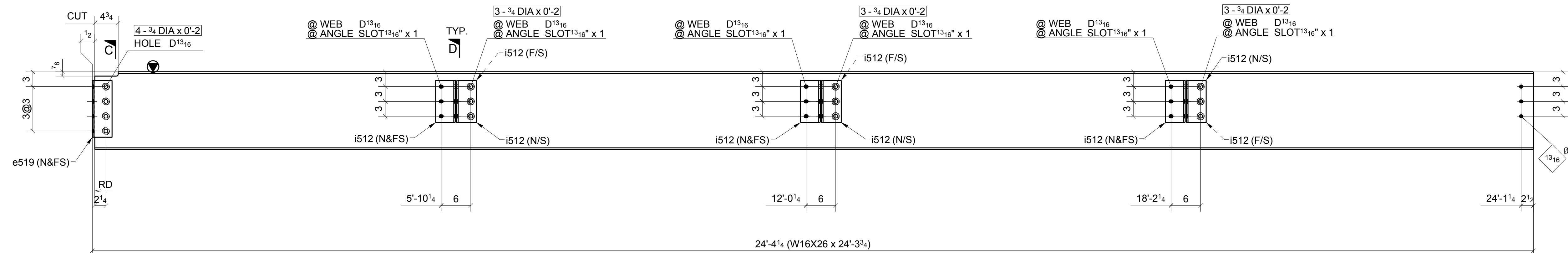
SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

[illegible][illegible]

A	FOR APPROVAL		06/20/16	
Sequence:	5		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: _____

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING				
Customer:	PARIC CORPORATION				
Owner:	WEBSTER UNIVERSITY				
Location:	WEBSTER GUOVES.MO 63119				
Dwn:	ZZ	Date:	06/09/2016	Ckd:	LJ
		Date:	06/21/2016		
Job No.	A16013	BAT:		DWG#:	519



ONE - BEAM ~ 520B

LOCATION: ONE @ 2.6/B.3-C.2 (REF: E5A)

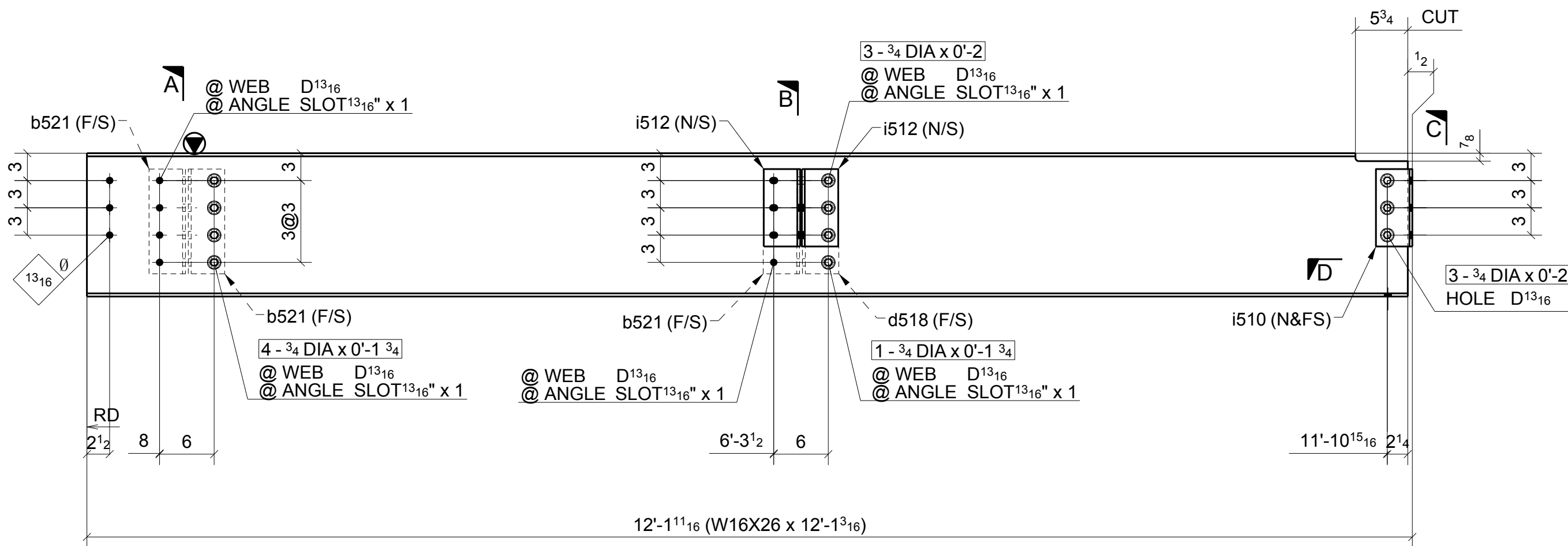
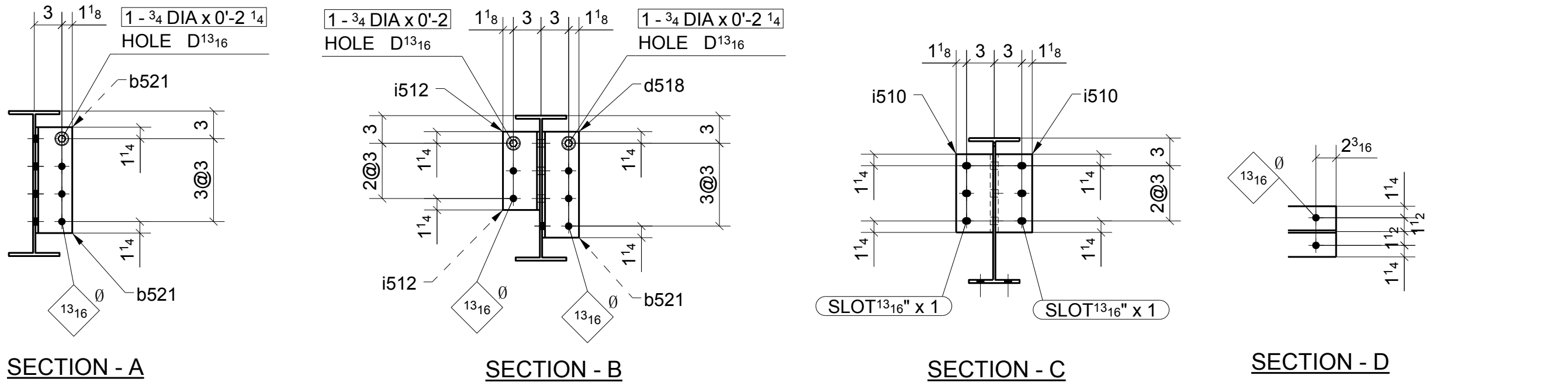
Romac By: _____	Checked By: _____
Beamline By: _____	Checked By: _____

ATLAS IRON WORKS
ST. LOUIS, MO.

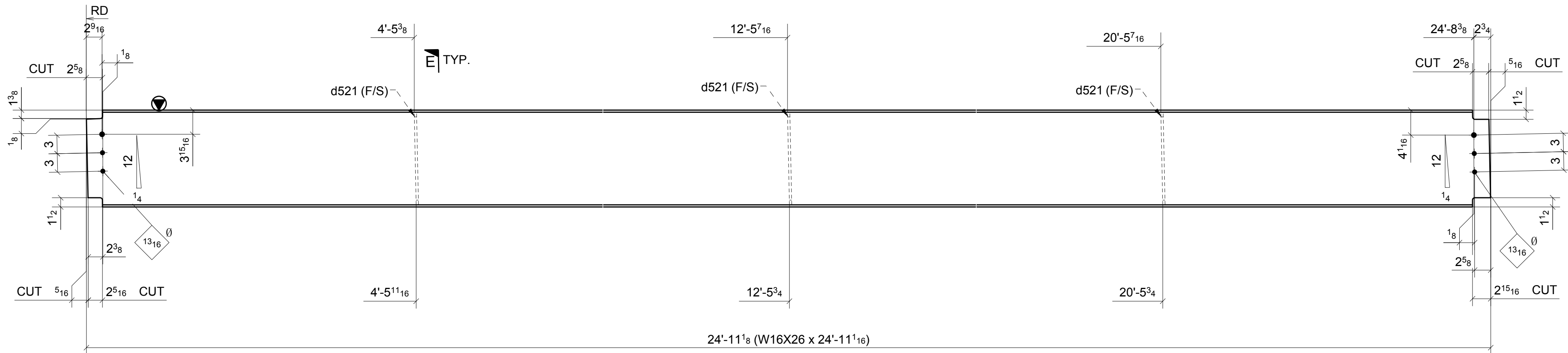
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES, MO 63119
Dwn: ZZ Date: 06/09/2016 Ckd: LJ Date: 06/21/2016
Job No. A16013 BAT: DWG#: 520

A	FOR APPROVAL		06/2016	
	Sequence: 5	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: _____		

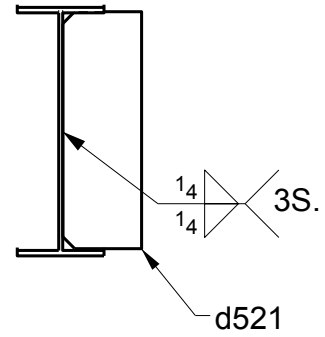
SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"



ONE - BEAM ~ 521A
LOCATION: ONE @ 3/A.5-B.3 (REF: E5A)



ONE - BEAM ~ 521B
LOCATION: ONE @ 3-4/B.3-C (REF: E5A)

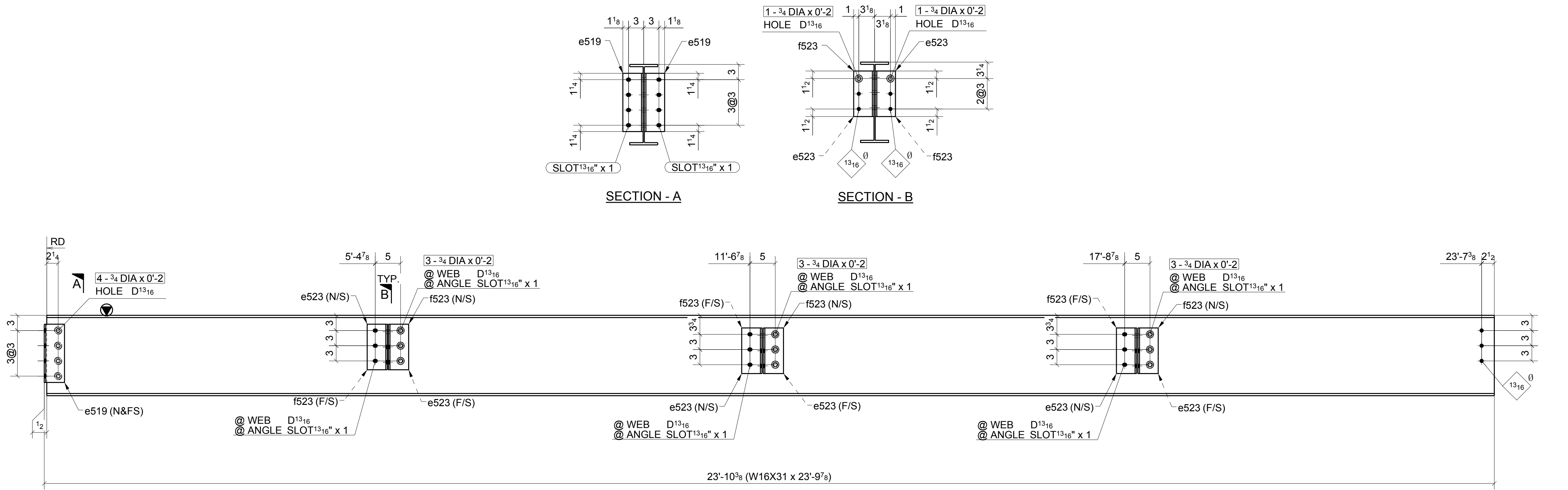


SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL		06/20/16
Sequence: 5	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: _____	

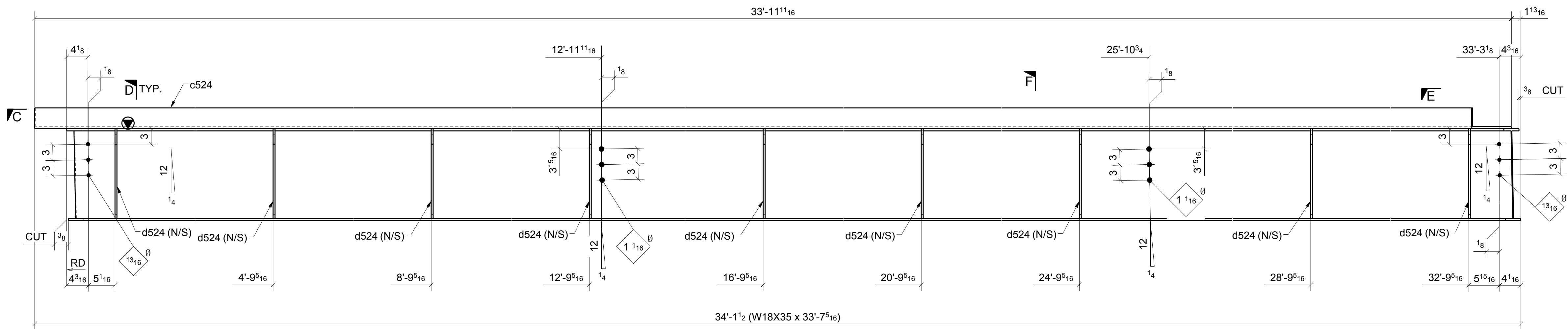
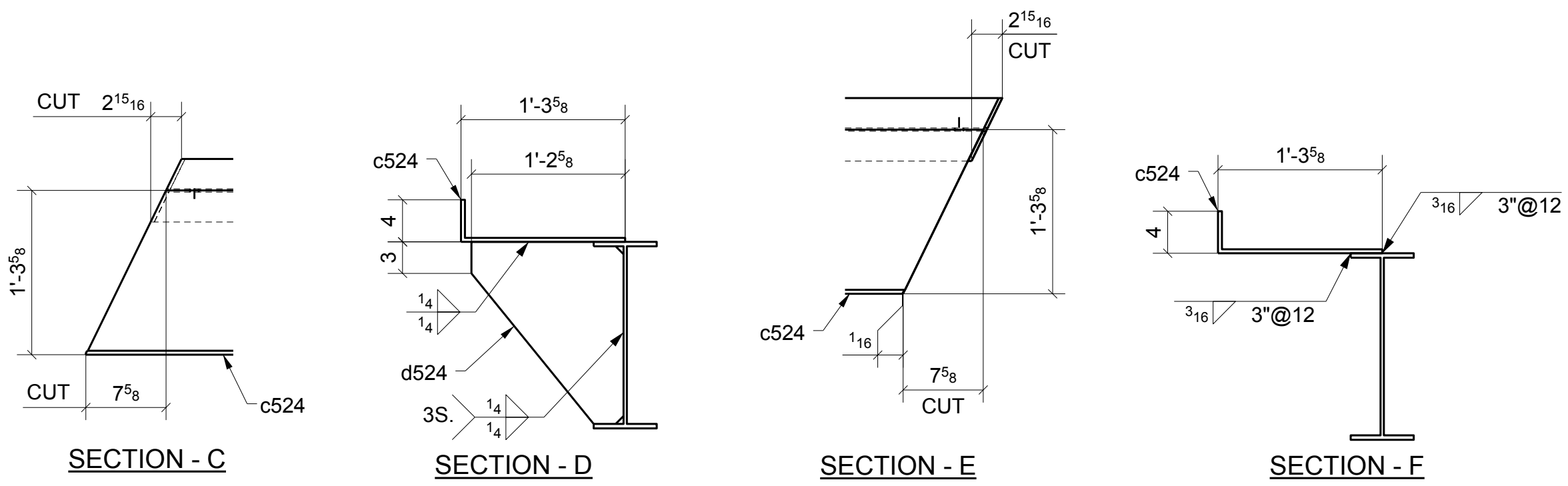
Romac By: _____ Checked By: _____
Beamline By: _____ Checked By: _____

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: 06/09/2016 Ckd: LJ Date: 06/21/2016	
Job No. A16013	BAT: _____ DWG#: 521



ONE - BEAM ~ 524A

LOCATION: ONE @ 4/B.3-C.2 (REF: E5A)



ONE - BEAM ~ 524B

LOCATION: ONE @ 1.7-2/4-A.5 (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL			
Sequence:	5	Ref. E-Plans:	—
Material:	A992 U.N.O.	Edge Dist.:	1 1/2" U.N.O.
Holes:	13/16"DIA.	Bolls:	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:	06/09/2016	Ckd: L.J. Date: 06/21/2016
Job No.	A16013	BAT:		DWG#: 524

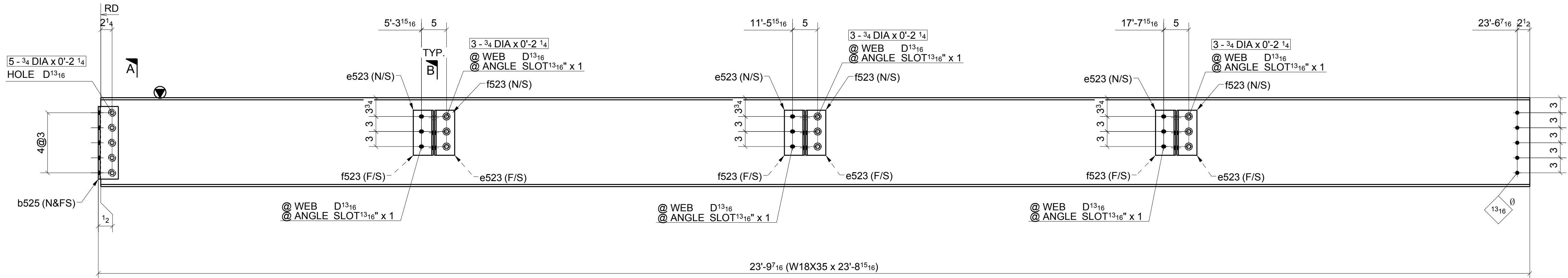
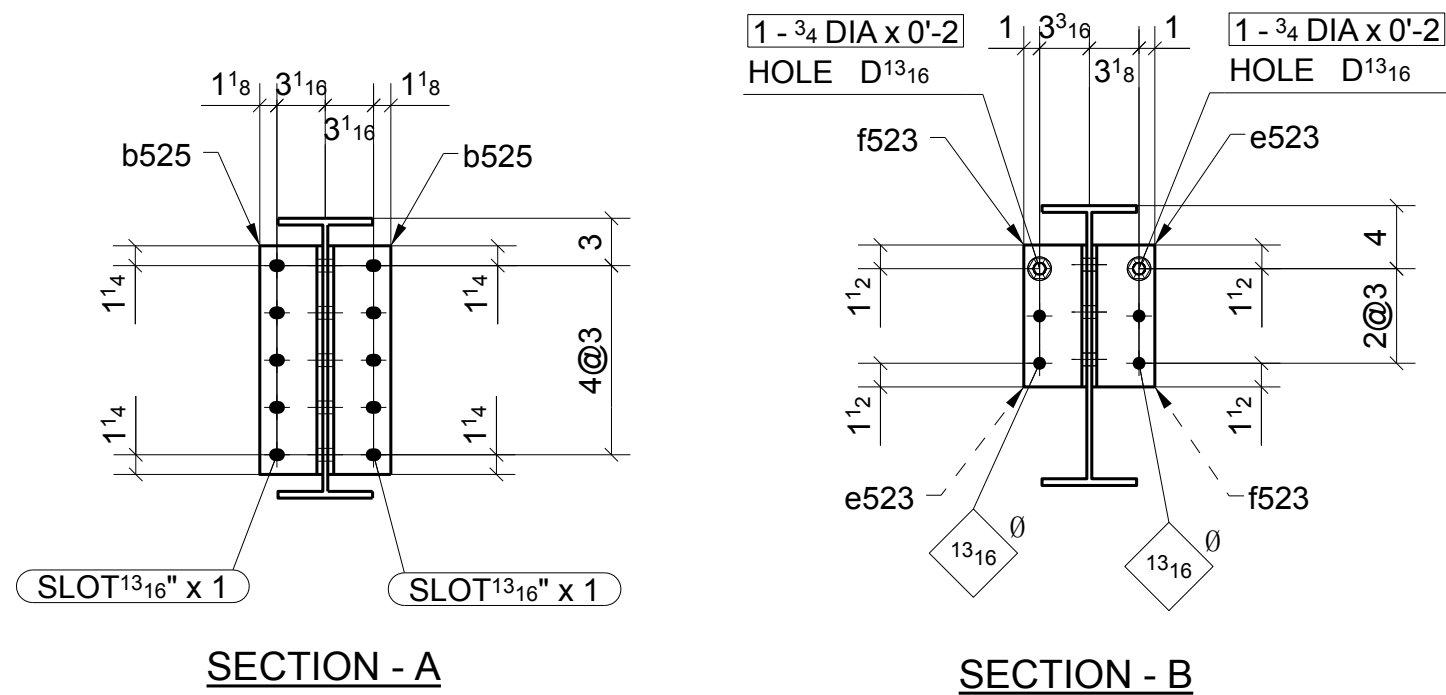
MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	524A	W16X31	23'-9 7/8"	A992	
2	e519	L4X4X5/16	0'-11 1/2"	A36	
6	e523	L4X4X5/16	0'-9"	A36	
6	f523	L4X4X5/16	0'-9"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
6		3/4" DIA. W/N&W	0'-2"	A325N TC	
9		3/4" DIA. W/N&W	0'-2"	A325N TC	

1	524B	W18X35	33'-7 5/16"	A992	
1	c524	BPL3/8"x19 5/8"	33'-11 11/1"	A36	
9	d524	PL3/8"x14 1/2"	1'-5 5/16"	A36	

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	525A	W18X35	23'-8 15/16"	A992	
2	b525	L4X4X3/8	1'-2 1/2"	A36	
6	e523	L4X4X5/16	0'-9"	A36	
6	f523	L4X4X5/16	0'-9"	A36	
5		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	
6		3/4" DIA. W/N&W	0'-2"	A325N TC	
9		3/4" DIA. W/N&W	0'-2 1/4"	A325N TC	



ONE - BEAM ~ 525A

LOCATION: ONE @ 2/B.3-C.2 (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL		06/20/16
Sequence: 5	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:		

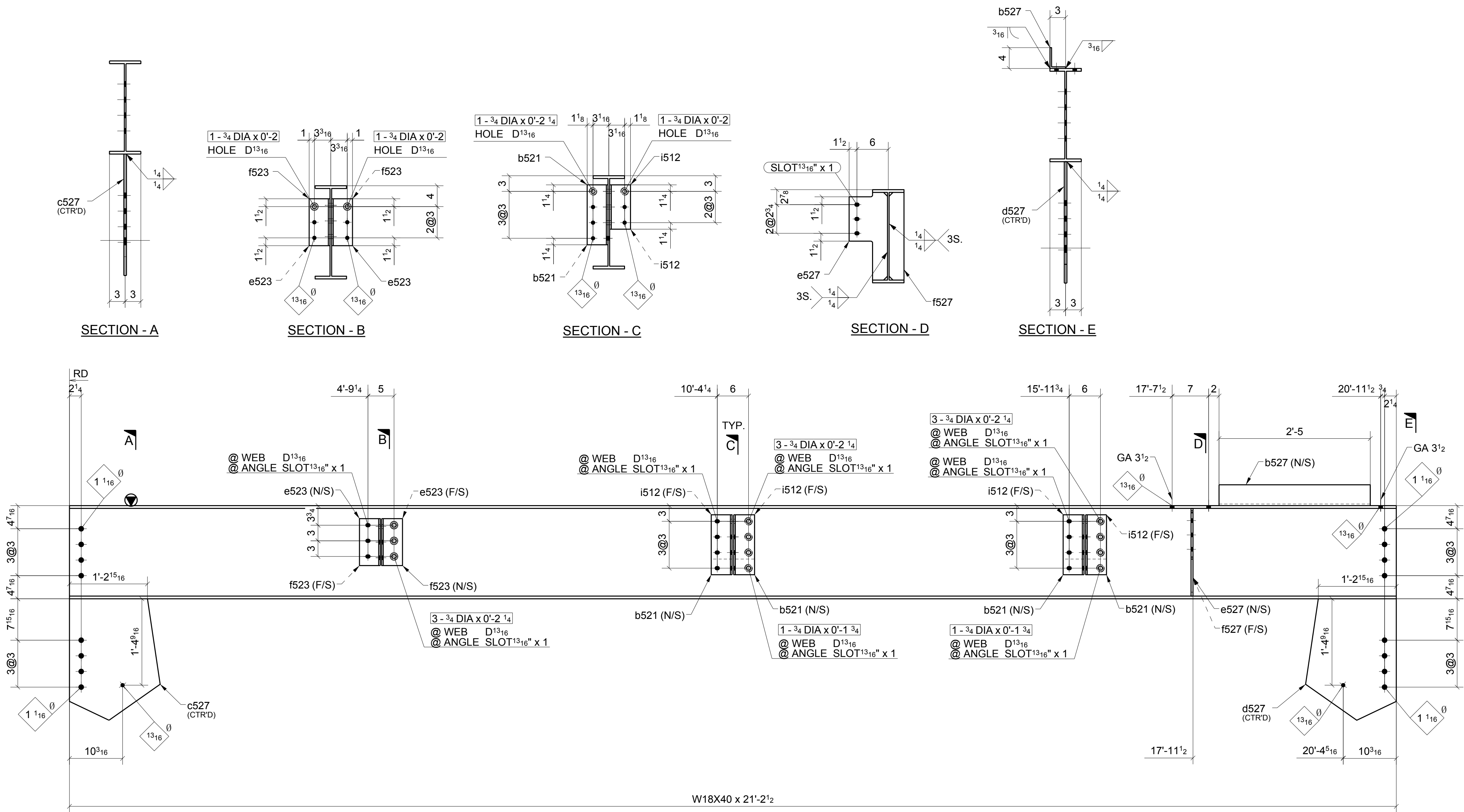
ATLAS IRON WORKS
ST. LOUIS, MO.

Project:	WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING		
Customer:	PARIC CORPORATION		
Owner:	WEBSTER UNIVERSITY		
Location:	WEBSTER GUOVES.MO 63119		
Dwn:	ZZ	Date: 06/09/2016	Ckd: L.J Date: 06/21/2016
Job No.	A16013	BAT:	DWG#: 525



A	FOR APPROVAL		06/20/16	
Sequence:	5		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 GOUVES MO 63119						
Dwn:	ZZ	Date:	06/09/2016	Ckd:	LJ	Date:	06/21/2016
Job No.	A16013		BAT:	DWG#:		526	



ONE - BEAM ~ 527A
LOCATION: ONE @ 2/A.5-B.3 (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

A	FOR APPROVAL		06/2016	
Sequence:	5		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:	

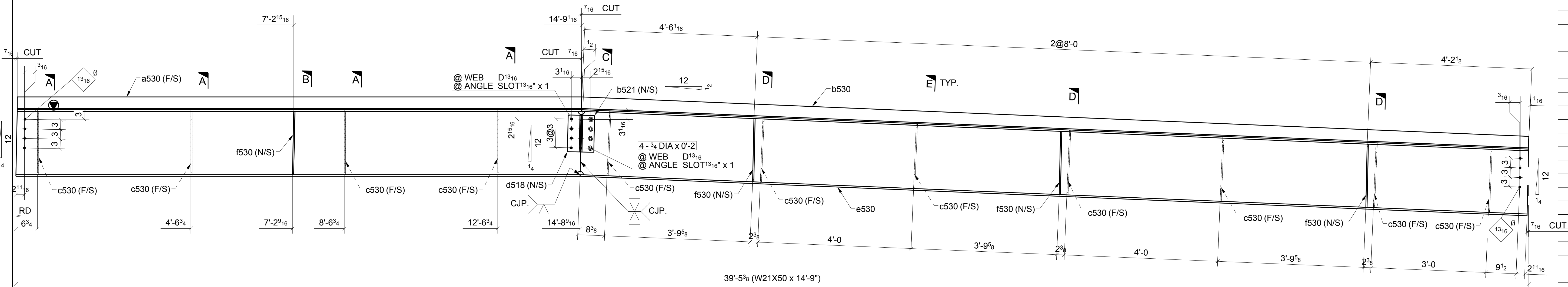
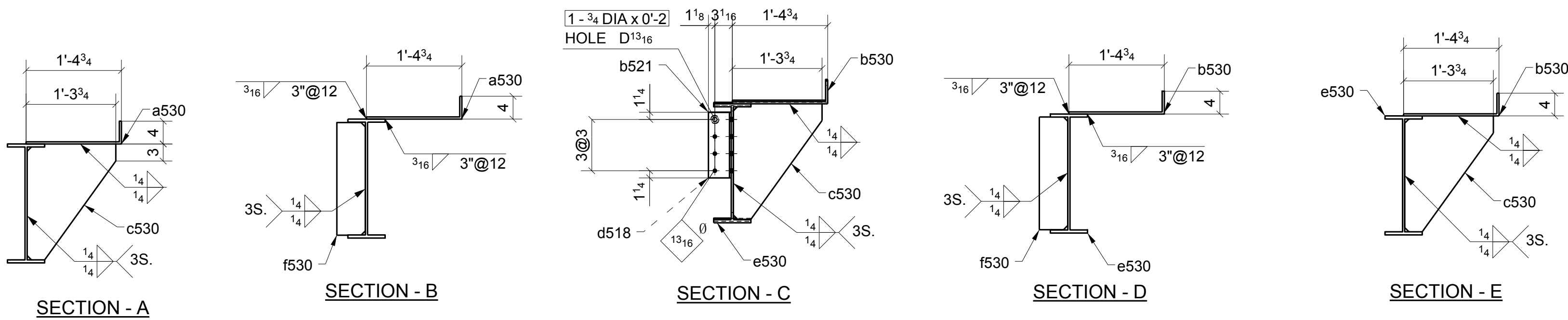
Romac By: _____ Checked By: _____
Beamline By: _____ Checked By: _____

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:	06/17/2016	Ckd: L.J. Date: 06/21/2016
Job No.	A16013	BAT:	DWG#: 527	

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:	06/17/2016
Ckd:	LJ	Date:	06/21/2016
Job No.	A16013	BAT:	_____
		DWG#:	528

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	530A	W21X50	14'-9"	A992	
1	a530	BPL 3/8"X20 3/4"	14'-8 5/8"	A36	
1	b521	L4X4X5/16	0'-11 1/2"	A36	
1	b530	BPL 3/8"X20 3/4"	24'-8 9/16"	A36	
11	c530	PL 3/8"X15 9/16"	1'-8 5/16"	A36	
1	d518	L4X4X5/16	0'-11 1/2"	A36	
1	e530	W21X50	24'-9"	A992	
4	f530	PL 3/8"X5"	1'-7 3/4"	A36	
4		3/4" DIA. W/N&W	0'-2"	A325N TC	
1		3/4" DIA. W/N&W	0'-2"	A325N TC	



ONE - BEAM ~ 530A

LOCATION: ONE @ 2.6-3/C.2 (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL		06/20/16
Sequence: 5	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: 06/17/2016 Ckd: LJ Date: 06/21/2016	
Job No. A16013	BAT: _____ DWG#: 530

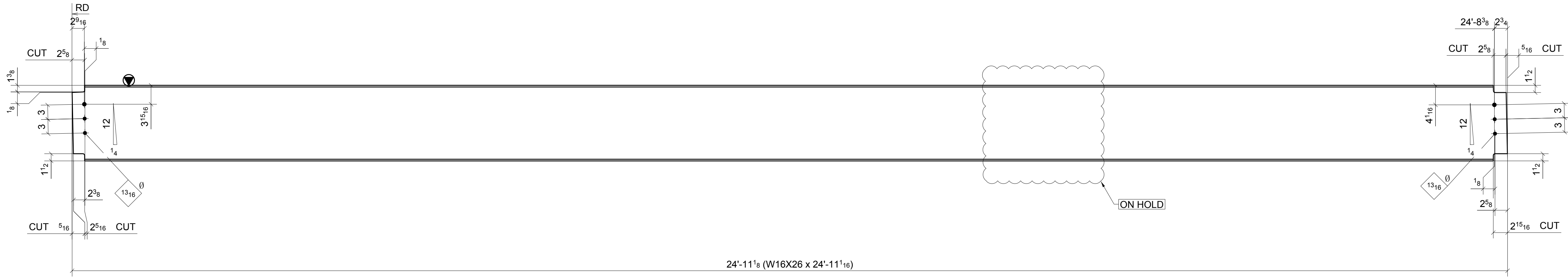
Romac By: _____	Checked By: _____
Beamline By: _____	Checked By: _____

Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING
Customer: PARIC CORPORATION
Owner: WEBSTER UNIVERSITY
Location: WEBSTER GUOVES, MO 63119
Dwn: ZZ Date: 06/17/2016 Ckd: LJ Date: 06/21/2016
Job No. A16013 BAT: DWG#: 532

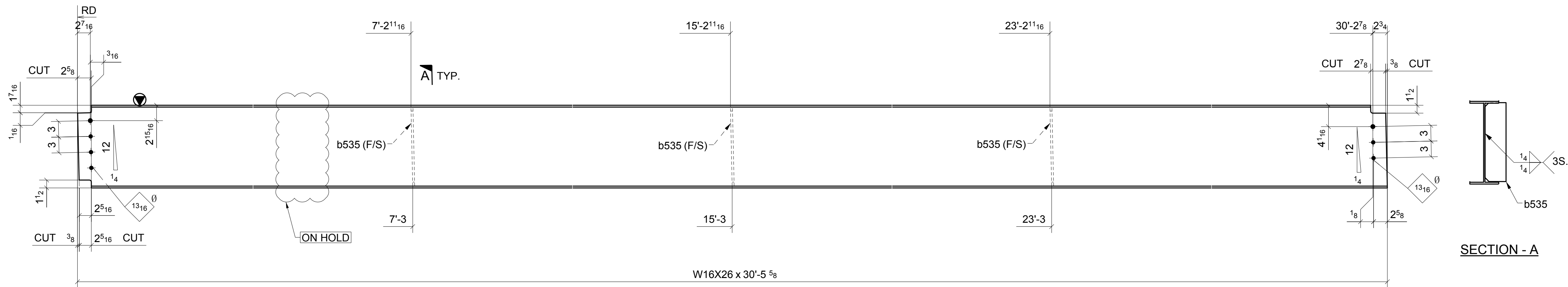


	FOR APPROVAL		06/20/16
	Sequence: _____ 5	Ref. E-Plans: _____	
	Material: _____ A992 U.N.O.	Edge Dist.: _____ 1 1/2" U.N.O.	
	Holes: _____ 13/16" DIA.	Bolts: _____ NOTED	
	Cleaning: _____ NONE		
	Paint: _____ NO		
DFT: _____	COLOR: _____		

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 GOUVES, MO 63119		
Dwn: <u>ZZ</u>	Date: <u>06/17/2016</u>	Ckd: <u>LJ</u>	Date: <u>06/21/2016</u>
Job No. _____	A16013	BAT: _____	DWG#: <u>534</u>



ONE - BEAM ~ 535A
LOCATION: ONE @ 3-4/B.3-C (REF: E5A)

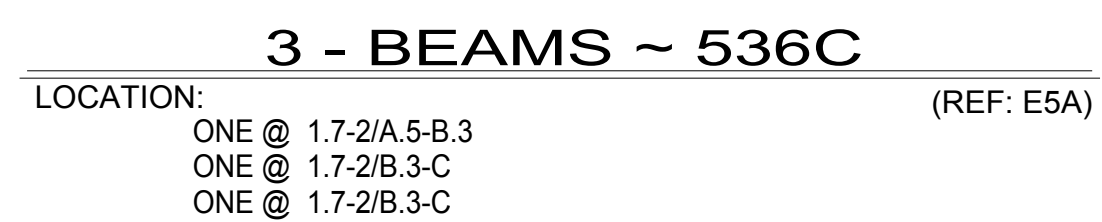


ONE - BEAM ~ 535B
LOCATION: ONE @ 1.7-2/B.3-C (REF: E5A)

SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL		06/20/16
Sequence: 5	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: 06/17/2016	Ckd: L.J	Date: 06/21/2016
Job No.	A16013	BAT: _____	DWG#: 535



ATLAS IRON WORKS

ST. LOUIS, MO.

Project:

WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING

Customer:

PARIC CORPORATION

Owner:

WEBSTER UNIVERSITY

Location:

WEBSTER GROVES, MO 63119

Dwn:

ZZ

Date:

06/17/2016

Otd:

LJ

Date:

06/21/2016

Job No.

A16013

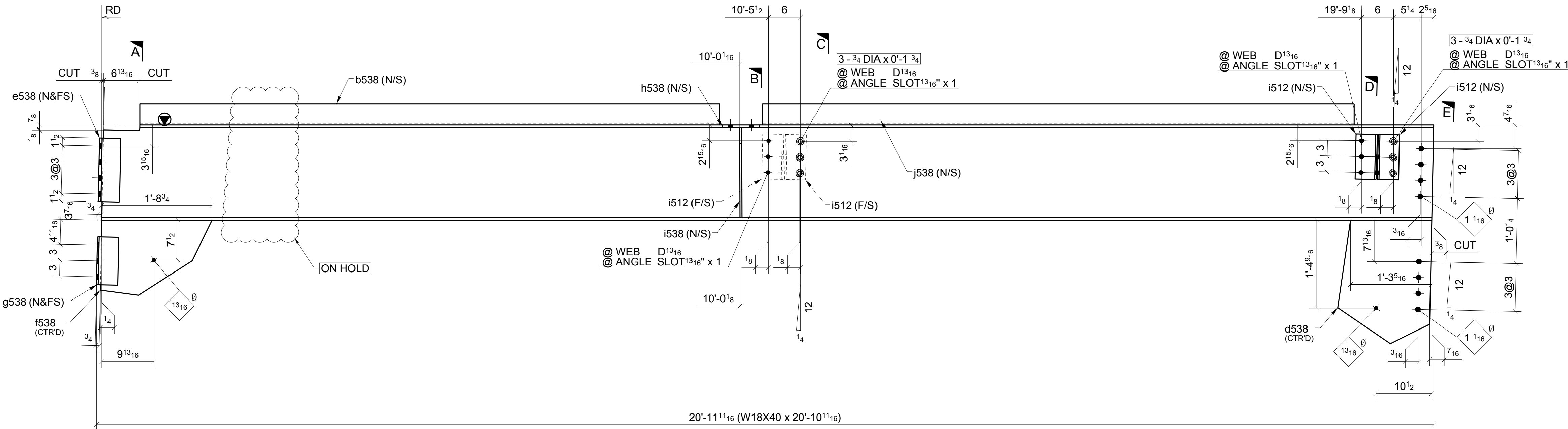
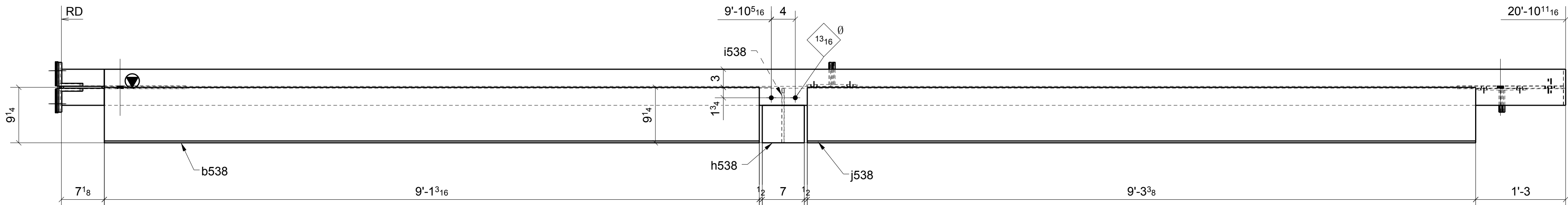
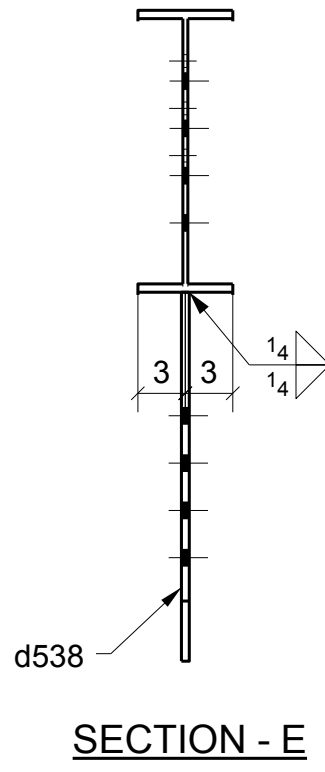
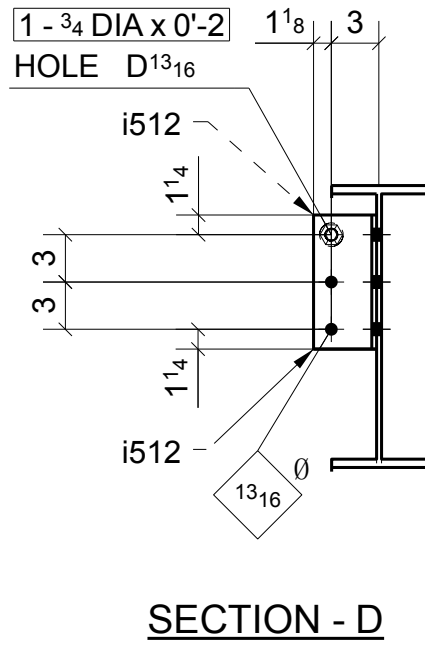
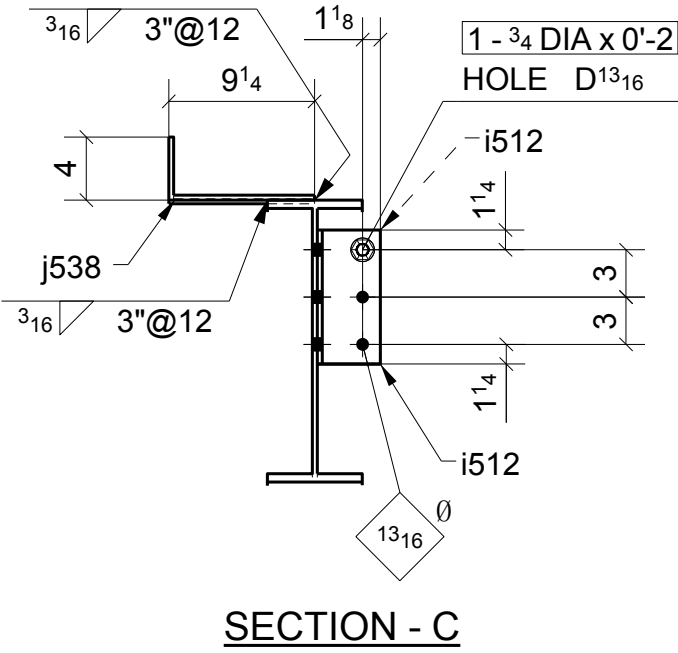
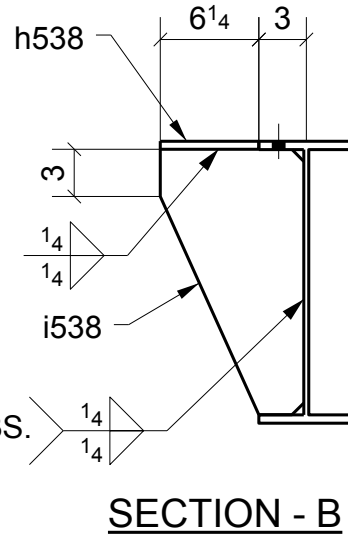
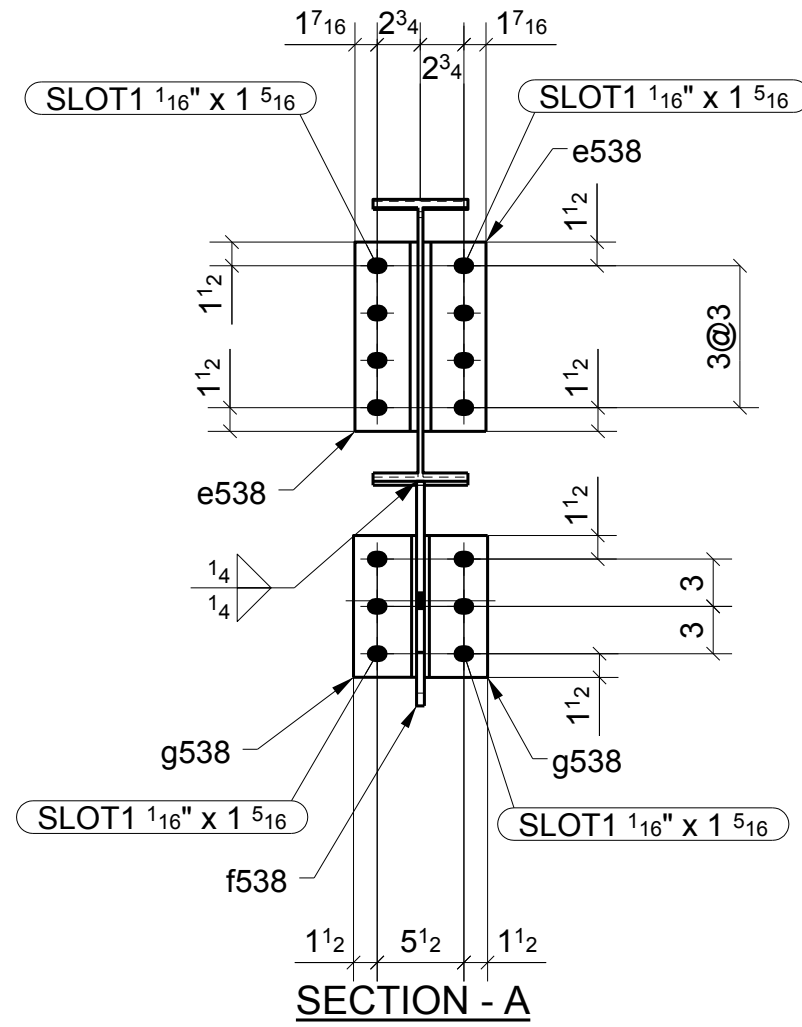
BAT:

DWG#:

536

MATERIAL LIST

QTY	MARK	DESCRIPTION	LENGTH	MATERIAL	NOTES
1	538A	W18X40	20'-10 11/16"	A992	
1	b538	BPL5/16**13"1/4	9'-1 3/16"	A36	
1	d538	PL 1/2"x17 3/8"	1'-11 3/8"	A572-GR.50	
2	e538	L4X4X1/2	1'-0"	A36	
1	f538	PL 1/2"x14 1/8"	1'-9"	A572-GR.50	
2	g538	L4X4X5/16	0'-9"	A36	
1	h538	PL 1/2"x6 1/4"	0'-7"	A36	
4	i512	L4X4X5/16	0'-8 1/2"	A36	
1	i538	PL 3/8"x9 1/8"	1'-4 7/8"	A36	
1	j538	BPL5/16**13"1/4	9'-3 3/8"	A36	
2		3/4" DIA. W/N&W	0'-2"	A325N TC	
6		3/4" DIA. W/N&W	0'-1 3/4"	A325N TC	



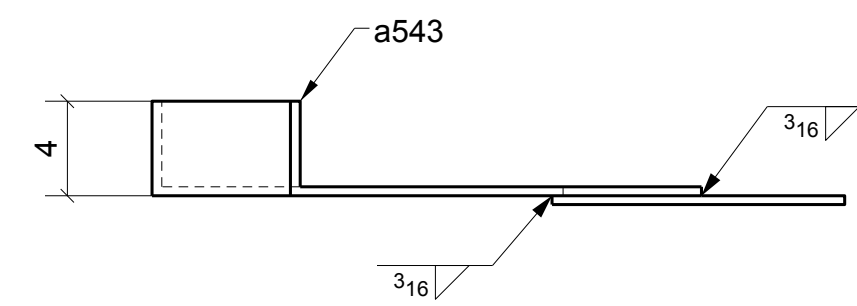
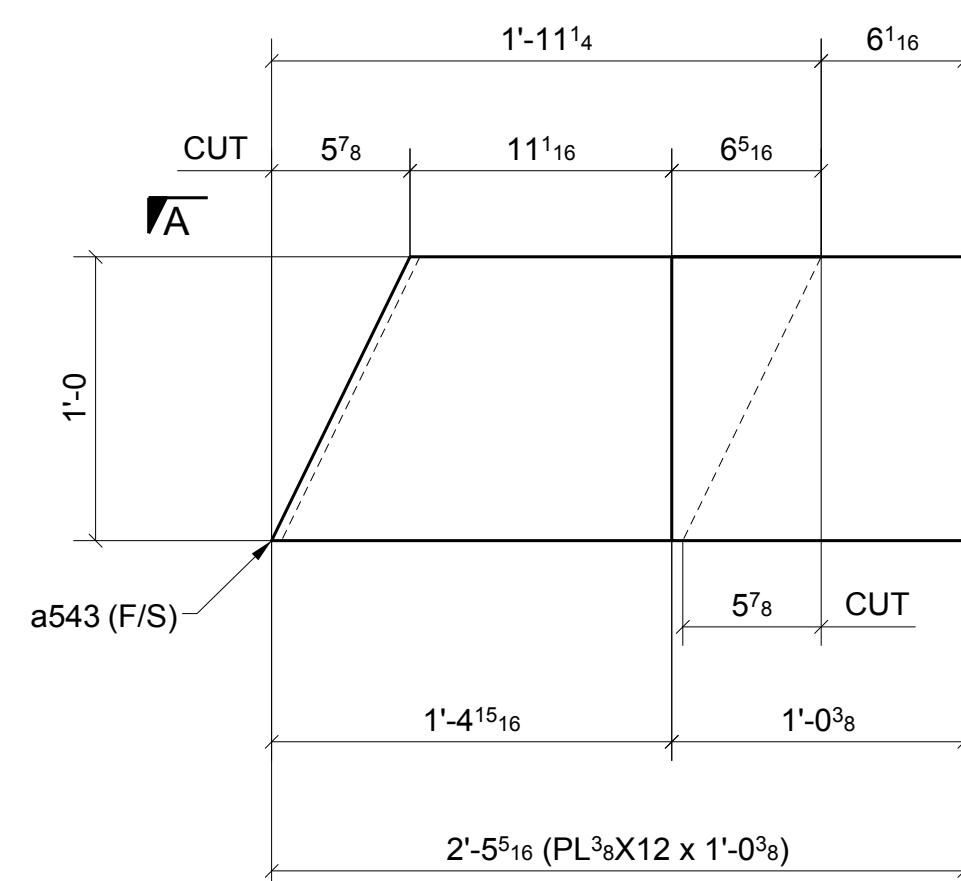
ONE - BEAM ~ 538A

LOCATION: ONE @ 2-2.6/B.3 (REF: E5A)

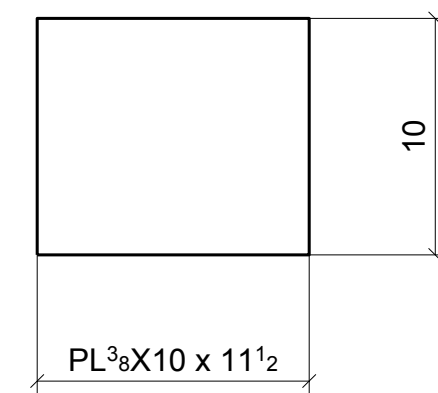
SHOP BOLT IN SLOTTED HOLE
NEED "HAND TIGHTEN"

FOR APPROVAL		06/20/16
Sequence: 5	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: _____	

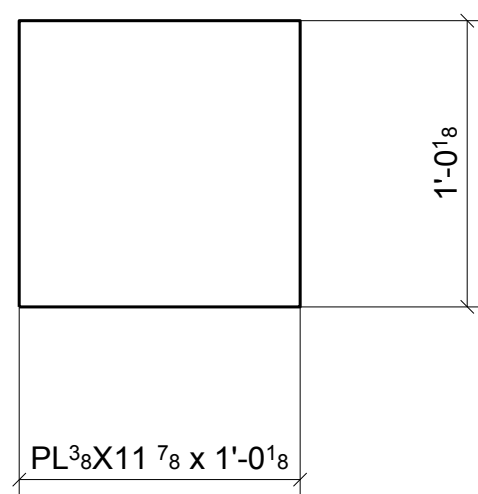
ATLAS IRON WORKS ST. LOUIS, MO.	
Project: WEBSTER UNIVERSITY INTERDISCIPLINARY SCIENCE BUILDING	
Customer: PARIC CORPORATION	
Owner: WEBSTER UNIVERSITY	
Location: WEBSTER GUOVES.MO 63119	
Dwn: ZZ Date: 06/17/2016 Ckd: LJ Date: 06/21/2016	
Job No. A16013	BAT: _____ DWG#: 538



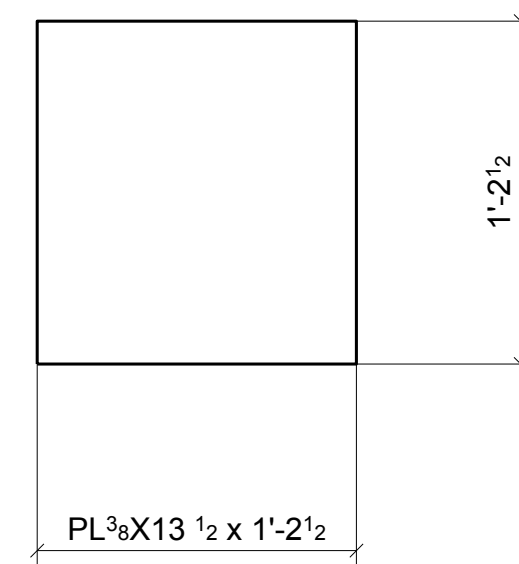
SECTION - A



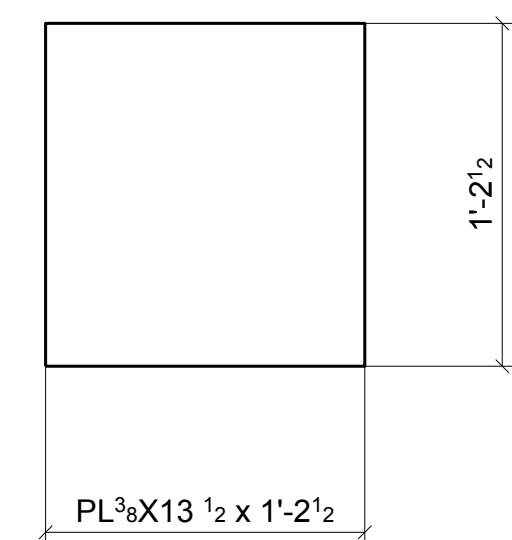
ONE - PLATE ~ 543D



ONE - PLATE ~ 543B



ONE - PLATE ~ 543F



ONE - PLATE ~ 543C

[illegible]

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 GYMNASIUM MO 63119		
Dwn:	ZZ	Date:	06/17/2016
		Ckd:	LJ
		Date:	06/20/2016
Job No.	A16013	BAT:	DWG#:
			543

	FOR APPROVAL		06/2016
	Sequence: <u>5</u>	Ref. E-Plans: <u>-</u>	
	Material: <u>A992</u> U.N.O.	Edge Dist: <u>1 1/2"</u>	U.N.O.
	Holes: <u>13/16" DIA.</u>	Bolts: <u>NOTED</u>	
	Cleaning: <u>NONE</u>		
	Paint: <u>NO</u>		
DFT: _____	COLOR: _____		

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
☐ CRITICAL	

ITEM BEING SUBMITTED (check only one)

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

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action
 ☐ Information Only
 ☐ Record

REMARKS OR DEVIATIONS

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

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



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

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
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: 06/29/2016

REVIEWED BY

DATE

REVIEWED BY

DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0101

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/23/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Webster Seq 5 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		051200-021	1		06/23/2016	Webster Seq 5 Steel	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates