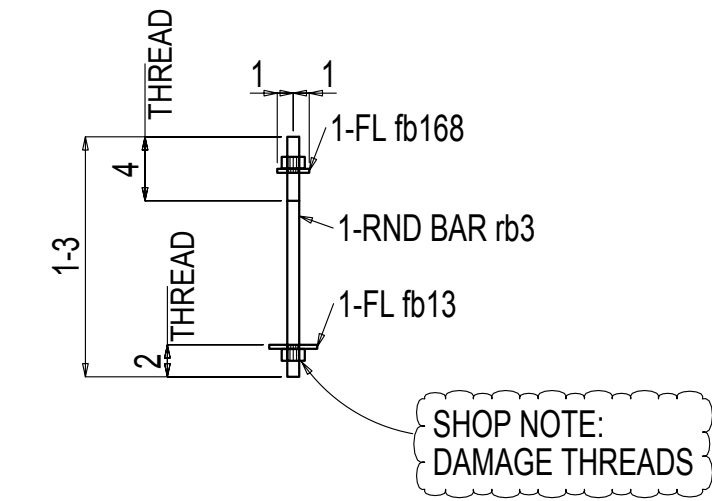
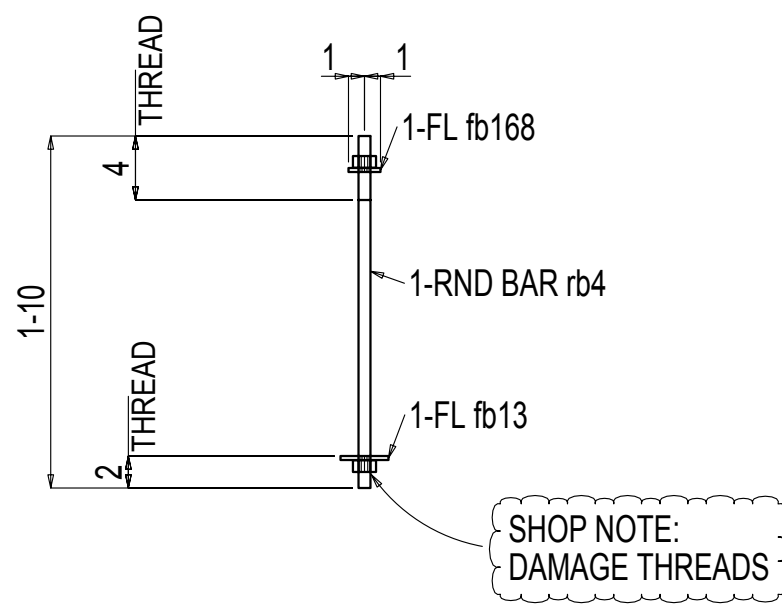
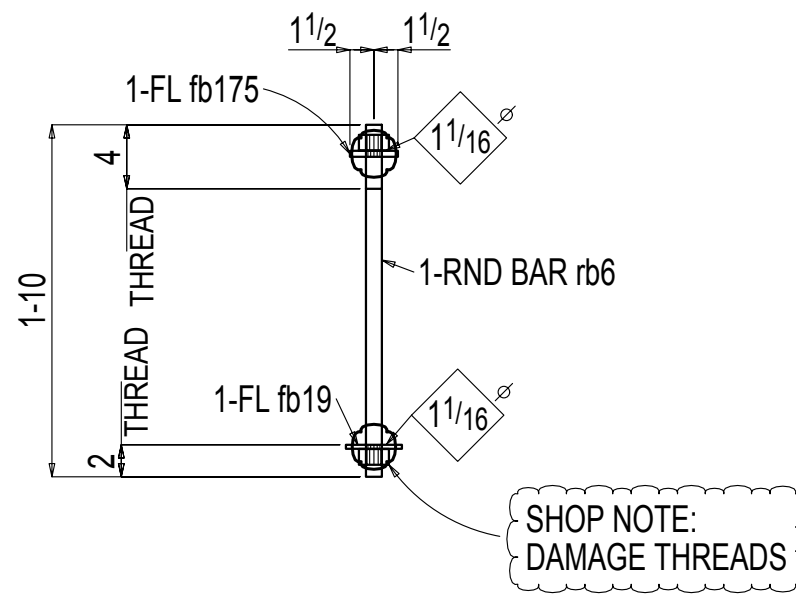




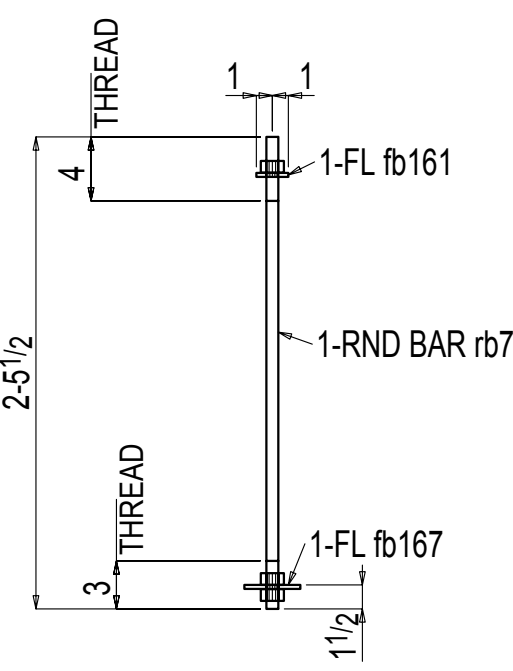
84 ANCHOR RODS 1AR1



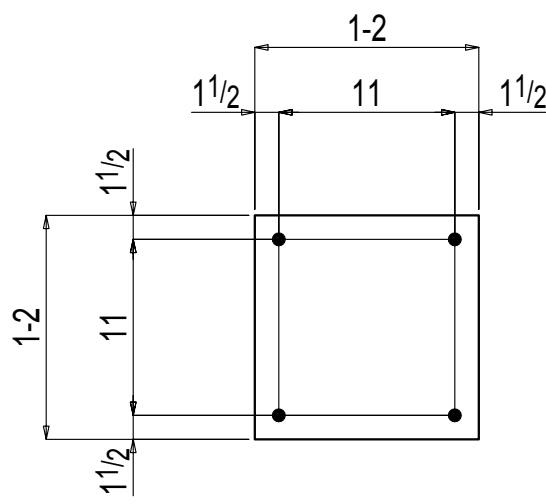
76 ANCHOR RODS 1AR2



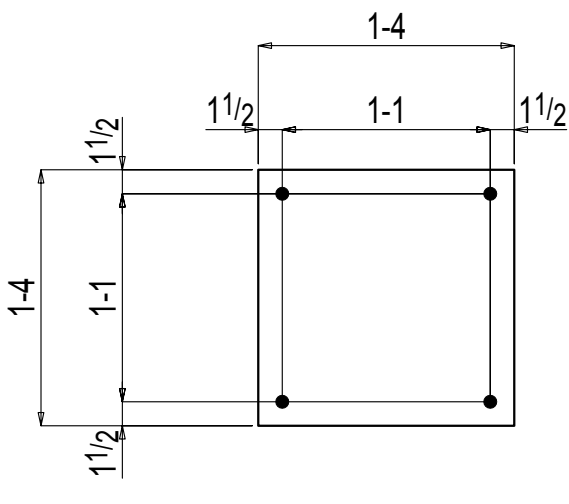
72 ANCHOR RODS 1AR3



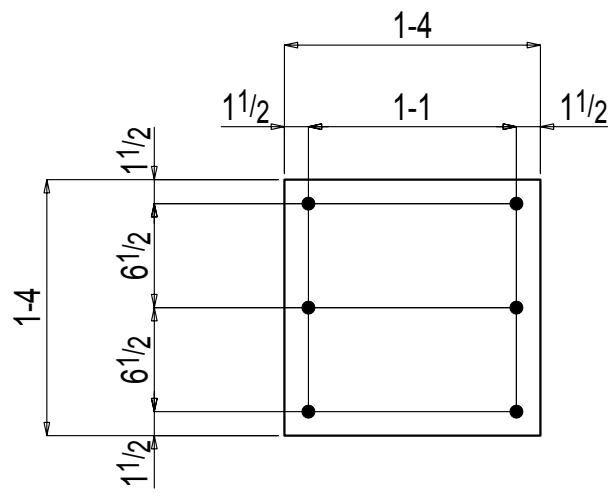
10 ANCHOR RODS 1AR4



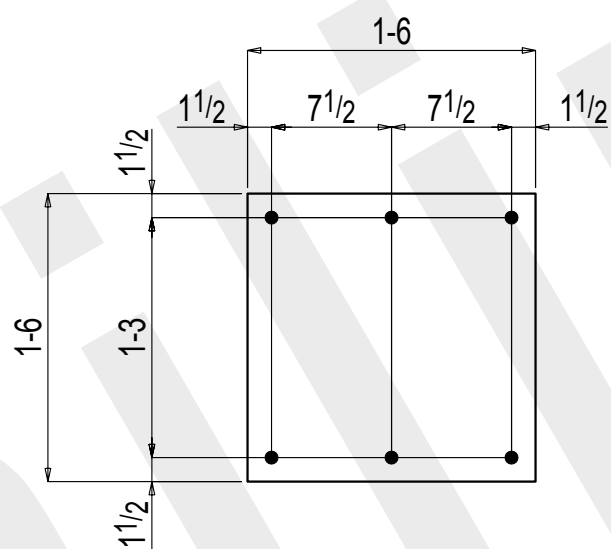
12 LEVELING PLATES 1LP3



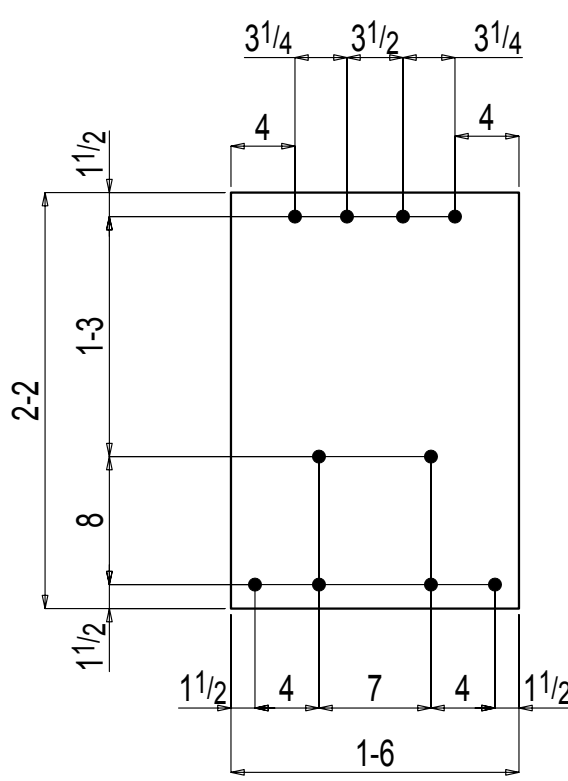
2 LEVELING PLATES 1LP4



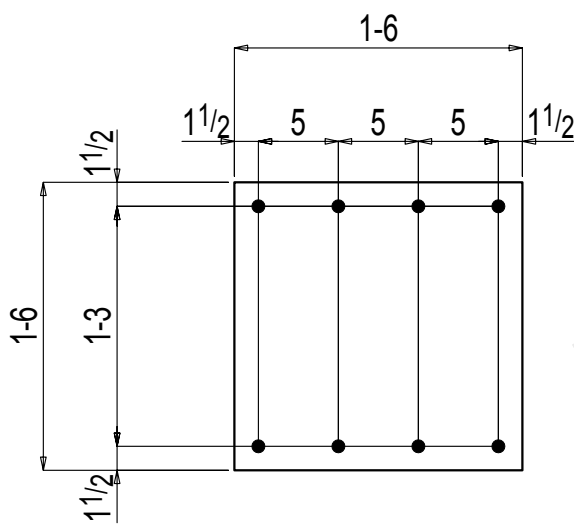
2 LEVELING PLATES 1LP5



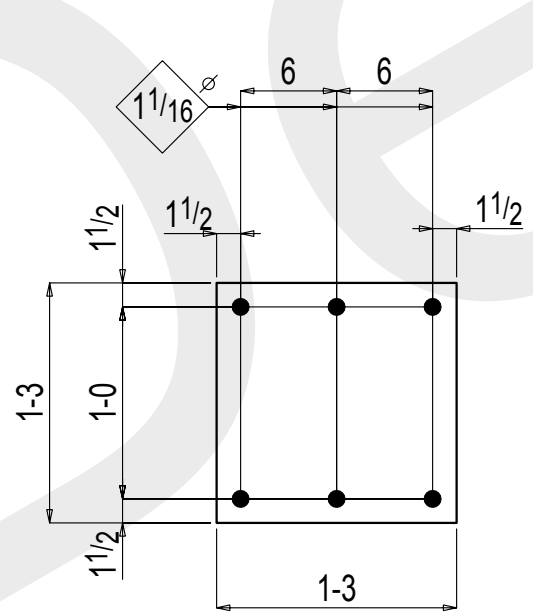
10 LEVELING PLATES 1LP6



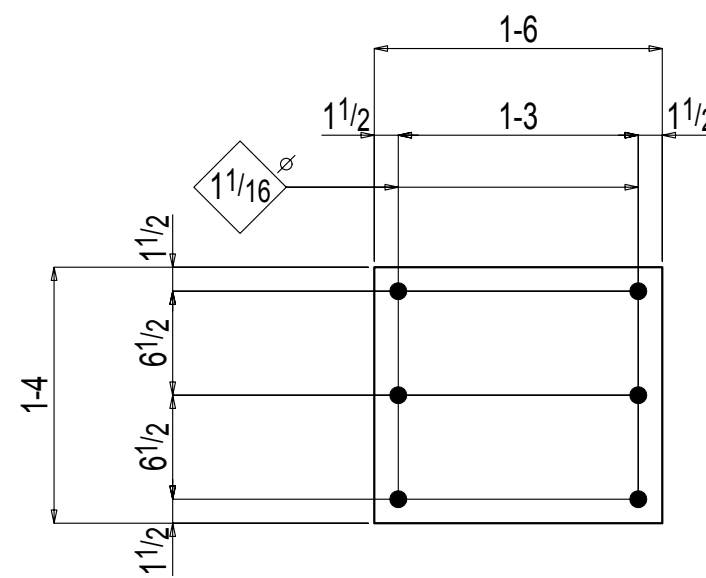
ONE LEVELING PLATE 1LP7



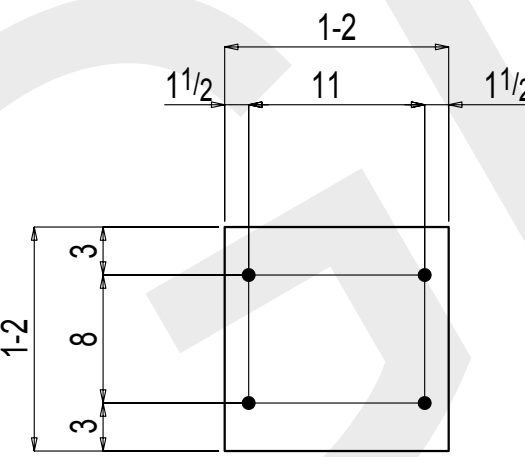
2 LEVELING PLATES 1LP8



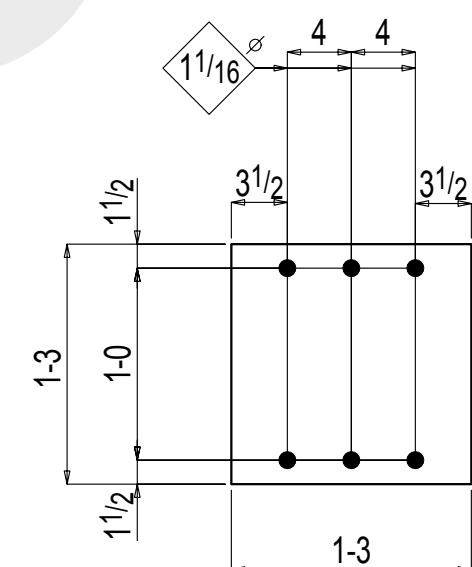
ONE LEVELING PLATE 1LP9



3 LEVELING PLATES 1LP10



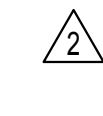
2 LEVELING PLATES 1LP11



8 LEVELING PLATES 1LP12

BILL OF MATERIAL

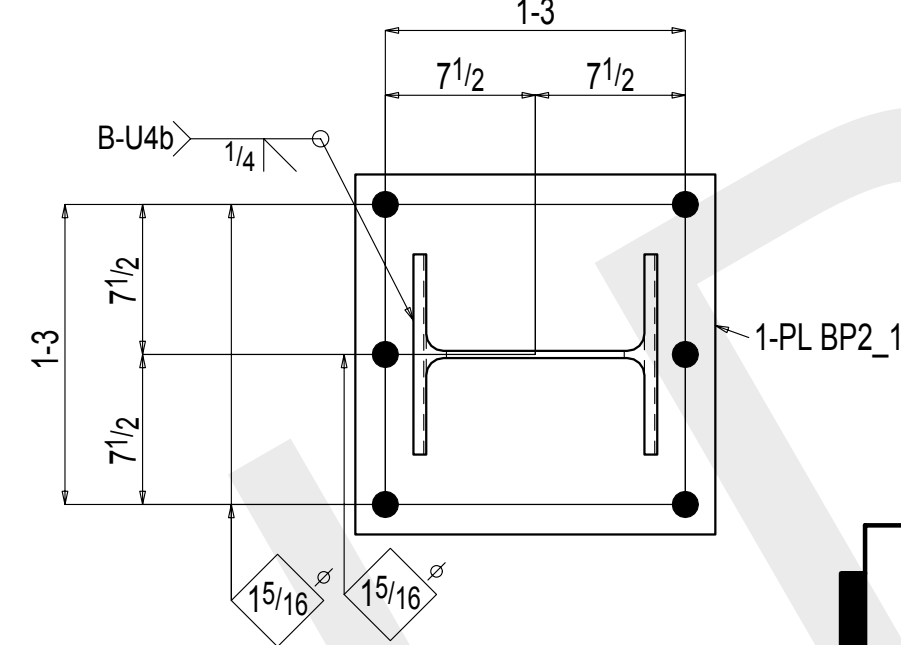
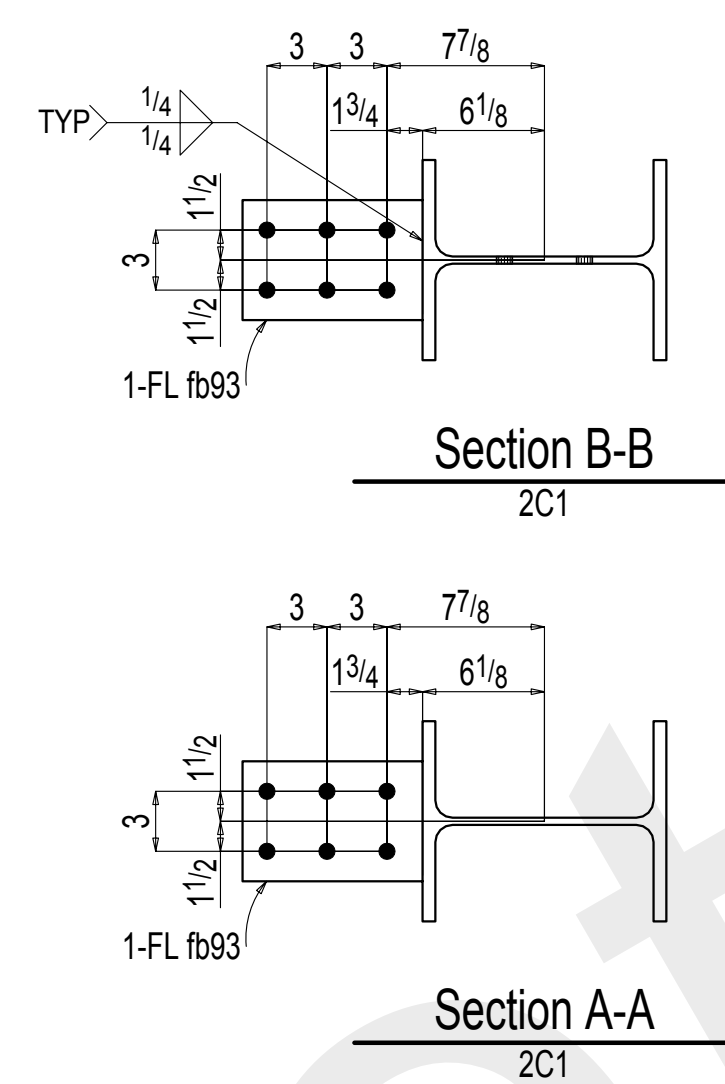
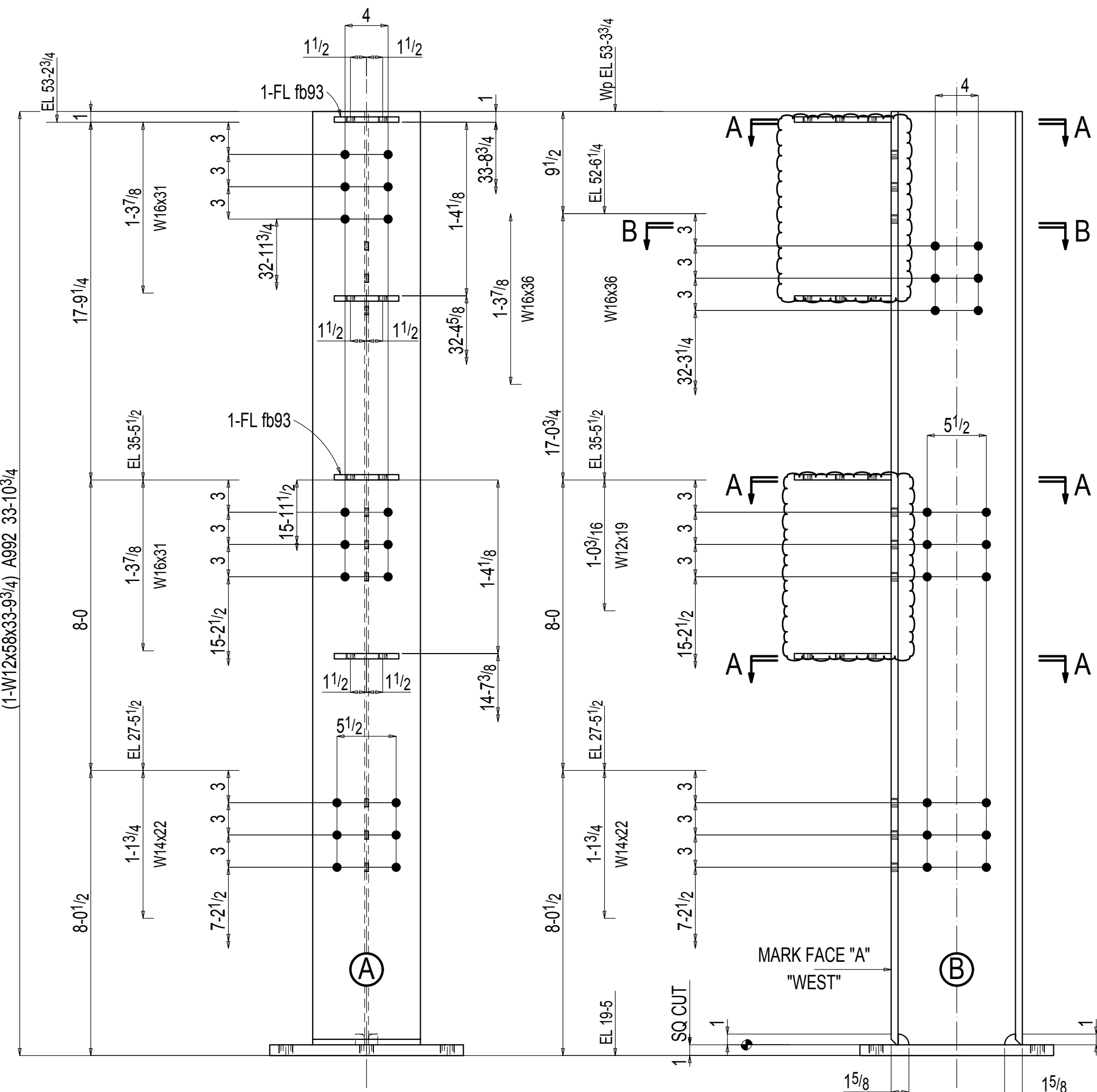
P	L	MARK	No.	Description	LENGTH	Weight	Remarks
			REQD		FT	IN	
		1AR1	84	ANCHOR ROD			228
		1AR1	84	RB3/4	1	3	157
		fb13	84	FL1/4x3	0	3	51
		fb168	84	FL1/4x2	0	2	21
			168	3/4 NUT			HHNT
		1AR2	76	ANCHOR ROD			272
		1AR2	76	RB3/4	1	10	208
		fb13	76	FL1/4x3	0	3	46
		fb168	76	FL1/4x2	0	2	19
			152	3/4 NUT			HHNT
		1AR3	72	ANCHOR ROD			470
		1AR3	72	RB1	1	10	350
		fb175	72	FL3/8x3	0	3	62
		fb19	72	FL1/4x3 1/2	0	3 1/2	58
			144	1 NUT			HHNT
		1AR4	10	ANCHOR ROD			47
		1AR4	10	RB3/4	2	5 1/2	37
		fb167	10	FL1/4x3 1/2	0	3 1/2	8
		fb161	10	FL1/4x2	0	2	2
			30	3/4 NUT			HHNT
		1LP3	12	LEVELING PLATE			165
		1LP3	12	FL1/4x14	1	2	165
		1LP4	2	LEVELING PLATE			36
		1LP4	2	FL1/4x16	1	4	36
		1LP5	2	LEVELING PLATE			36
		1LP5	2	FL1/4x16	1	4	36
		1LP6	10	LEVELING PLATE			227
		1LP6	10	FL1/4x18	1	6	227
		1LP7	ONE	LEVELING PLATE			33
		1LP7	1	FL1/4x18	2	2	33
		1LP8	2	LEVELING PLATE			45
		1LP8	2	FL1/4x18	1	6	45
		1LP9	ONE	LEVELING PLATE			16
		1LP9	1	PL1/4x15	1	3	16
		1LP10	3	LEVELING PLATE			60
		1LP10	3	FL1/4x16	1	6	60
		1LP11	2	LEVELING PLATE			27
		1LP11	2	FL1/4x14	1	2	27
		1LP12	8	LEVELING PLATE			125
		1LP12	8	PL1/4x15	1	3	125



*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 13/16 Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: 3/4" Dia A325N U.N.O.
*PAINT: NO PAINT
*SURFACE PREPARATION: SSPC-SP3

DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

2	Sep 18 2014	Revised LP9 and added LP12	TDB
1	Jul 30 2014	FABRICATION	
0	Jun 3 2014	FOR APPROVAL	MC
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TC	ANCHOR ROD & LEVELING PLATE DETAILS		JOB# 14-68
CHK'D. BY GDI			SHEET# 1
DATE 6-3-14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		



SHOP NOTE
NO PAINT AT CLOUDED
AREAS FOR MOMENT
CONNECTIONS (TYPICAL)

11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS

ONE COLUMN 2C1
AT GRID:
1 & C
W 12³/₁₆x³/₈
F 10x⁵/₈
FIELD BOLTS:
36-³/₄x2 A325N
12-³/₄x2 A325SC
12-³/₄x2¹/₂ A325SC

BILL OF MATERIAL

P	L	MARK	No.	Description	LENGTH		Weight		Remarks
			REQ'D		FT	IN	Total		
		2C1	ONE COLUMN				2076		
		2C1	1	W12x58	33	9 ³ / ₄	1957		S1E
		BP2_1	1	PL1x18	1	6	90		
		fb93	4	FL ¹ / ₂ x6	0	9	29		
			FIELD BOLTS						
			12	³ / ₄ Dia A325SC	0	2 ¹ / ₂			+1HD WASH
			36	³ / ₄ Dia A325N	0	2			+1HD WASH
			12	³ / ₄ Dia A325SC	0	2			+1HD WASH

2	Nov 14 2014	ADDED NO PAINT NOTE	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY
TDB

CHKD. BY
-

DATE
8.13.14

SCALE

COLUMN DETAILS

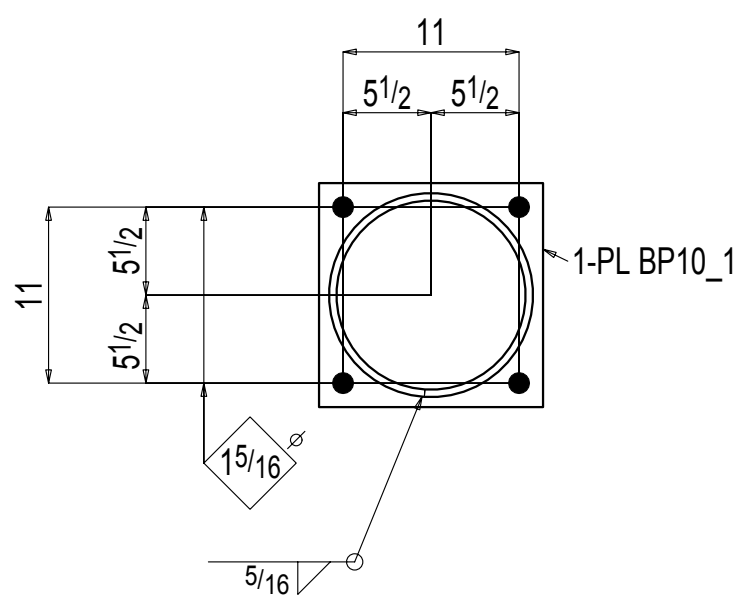
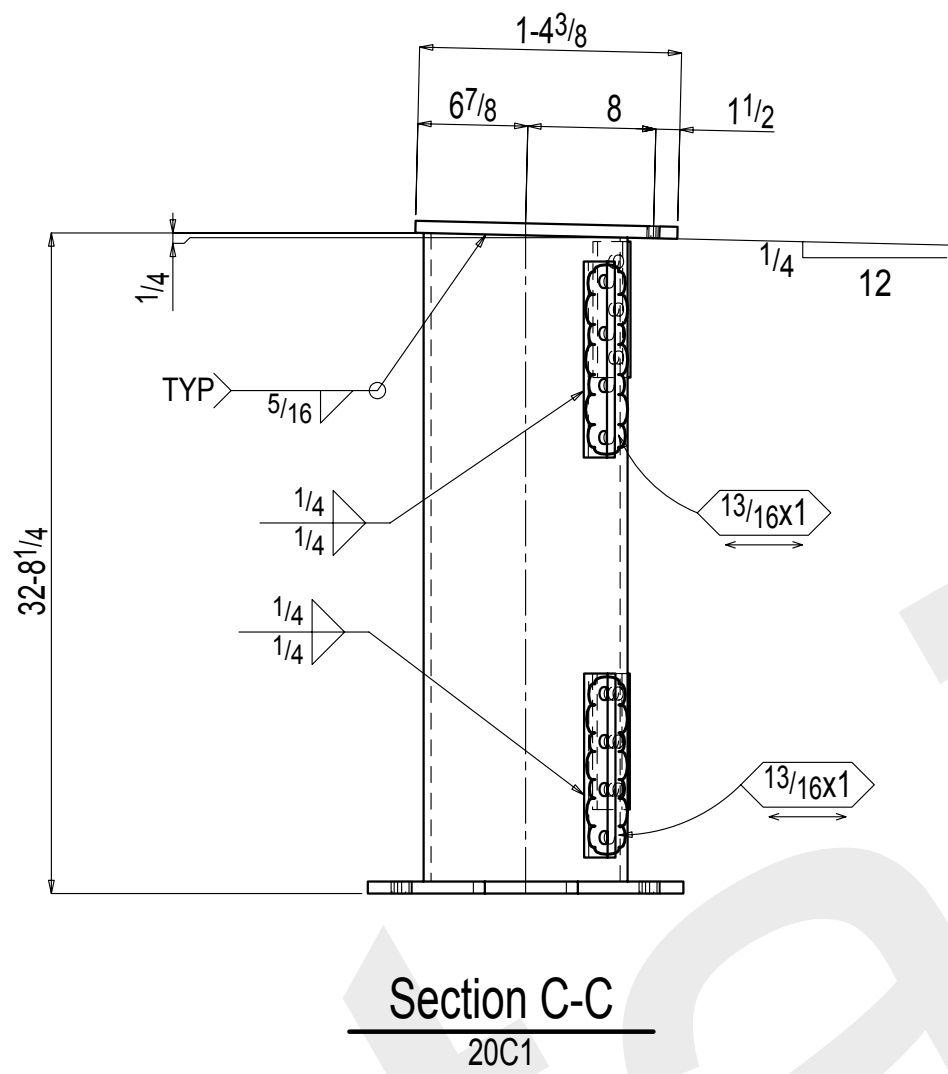
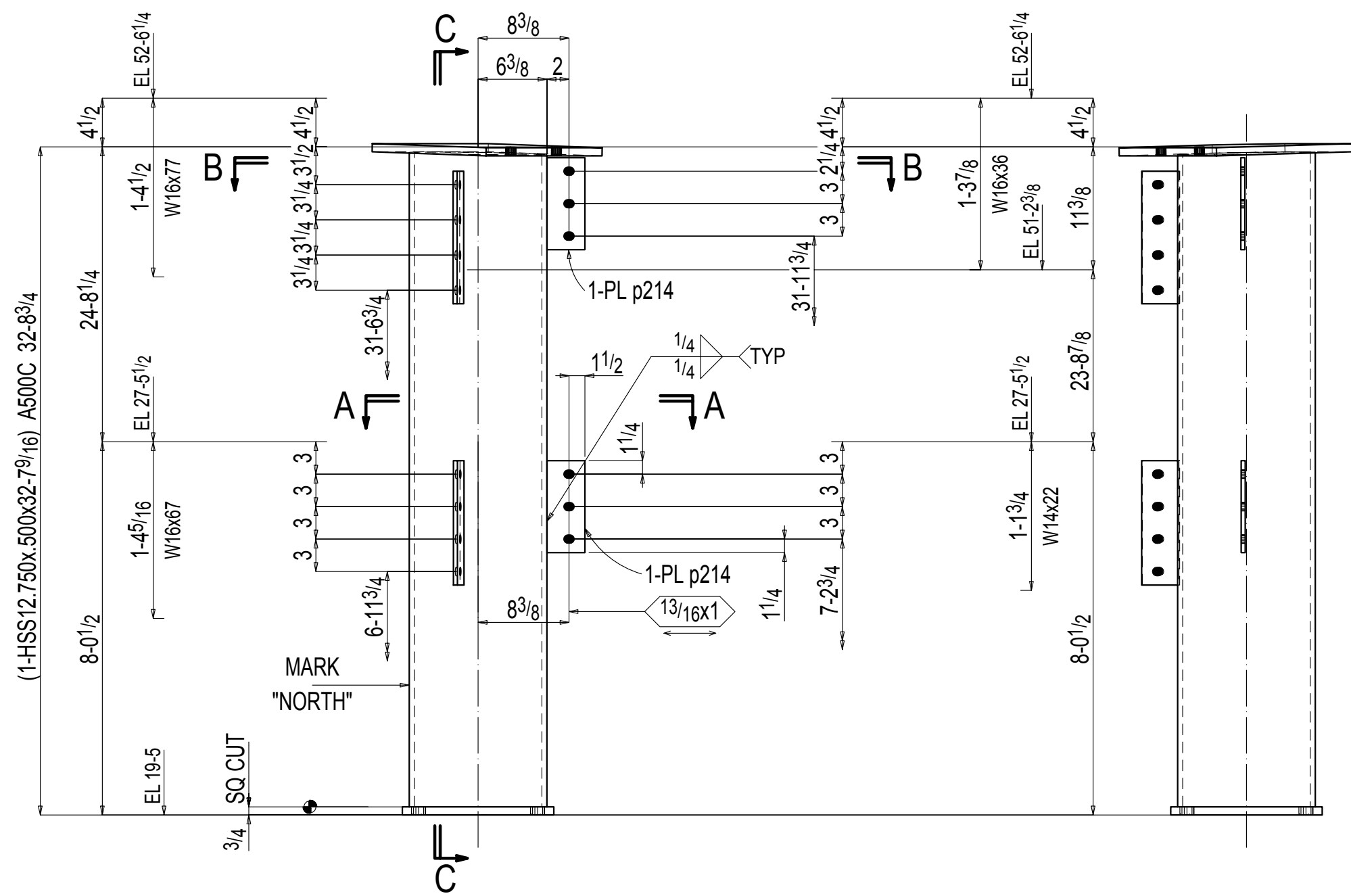
JOB#
14-68

SHEET#
2

REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701

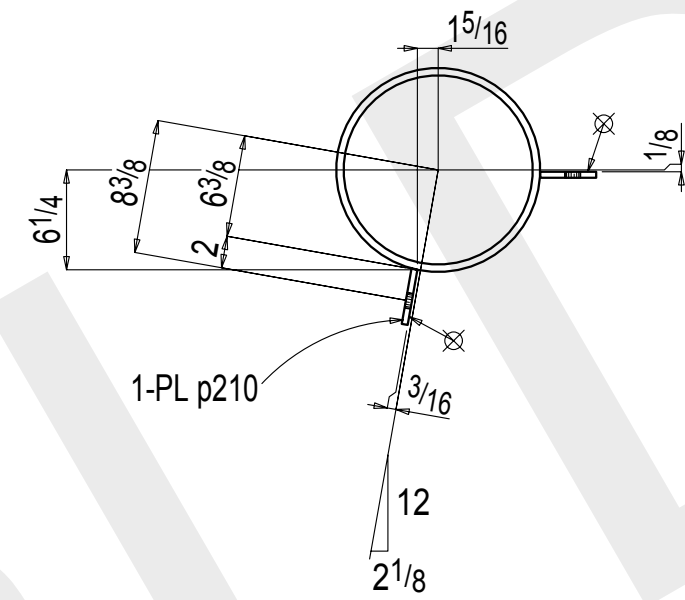


*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 1³/₁₆ Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: ³/₄" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION: SSPC-SP3

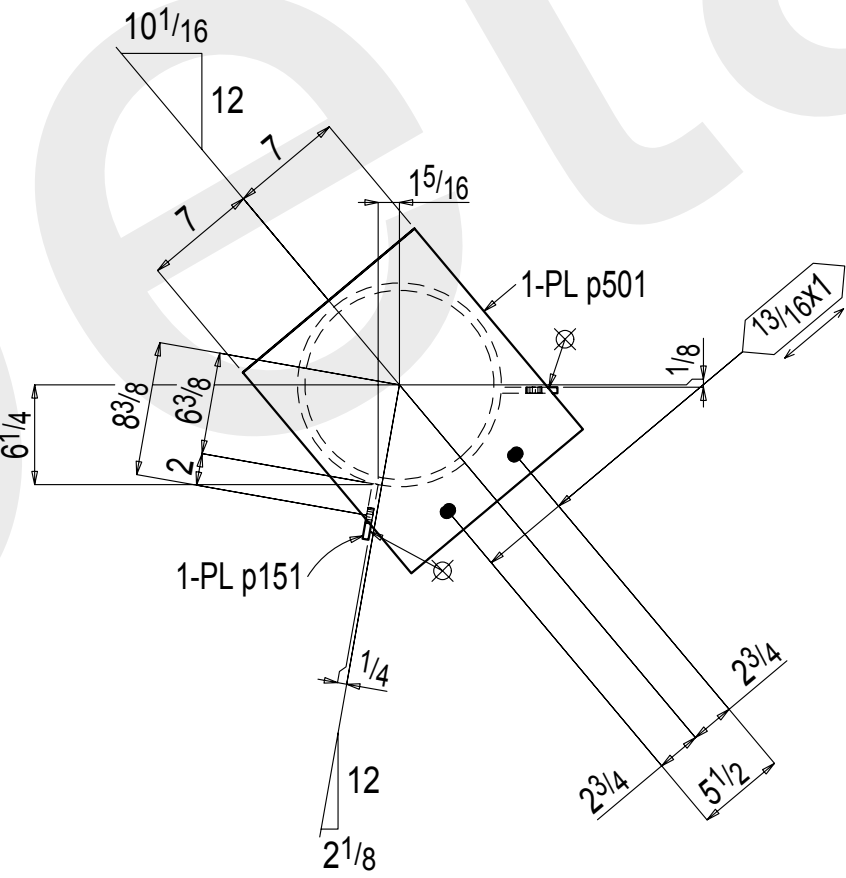


ONE COLUMN 20C1

AT GRID:
1 & 100 & B
FIELD BOLTS:
13-3/4x2 A325N



Section A-A
20C1



Section B-B
20C1

BILL OF MATERIAL

P	L	MARK	No.	Description	LENGTH		Weight	Remarks
			REQ'D		FT	IN	Total	
			20C1	ONE COLUMN			2240	
			20C1	1 HSS12.750x.500	32	7 ⁹ / ₁₆	2137	S1E
			p501	1 PL ³ / ₄ x14	1	4 ³ / ₈	48	
			BP10_1	1 PL ³ / ₄ x14	1	2	41	
			p151	1 PL ³ / ₈ x3 ¹ / ₂	1	0 ¹ / ₄	4	
			p210	1 PL ³ / ₈ x3 ¹ / ₂	0	11 ¹ / ₂	4	
			p214	2 PL ³ / ₈ x3 ¹ / ₂	0	8 ¹ / ₂	6	
				FIELD BOLTS				
			13	³ / ₄ Dia A325N	0	2		+1HD WASH

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

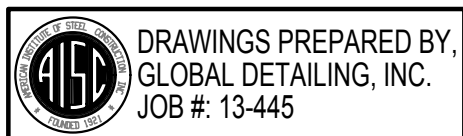
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY TDB	COLUMN DETAILS	JOB# 14-68
CHKD. BY -		SHEET# 20

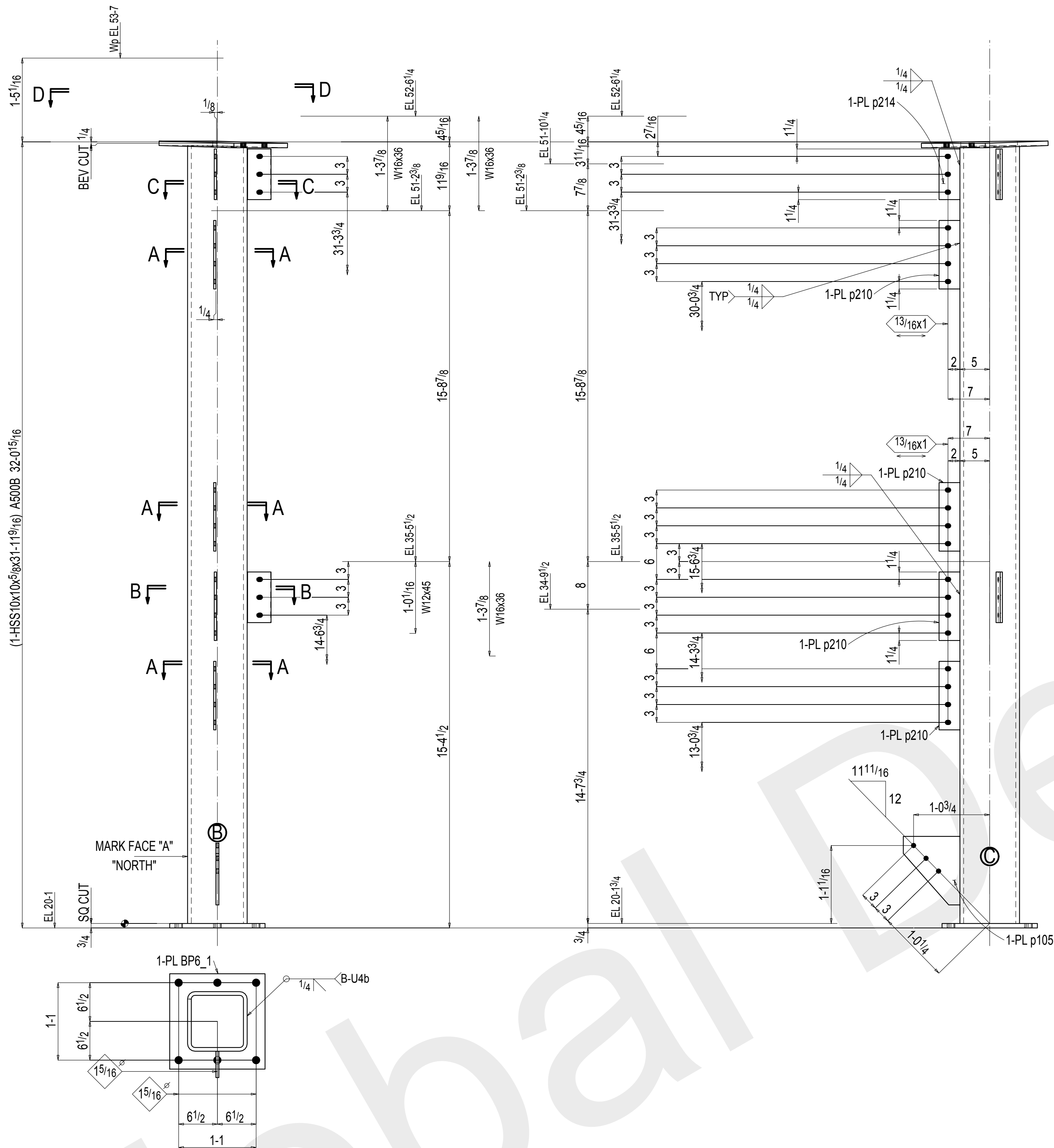
REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: ¹³/₁₆ Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: ³/₄" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION: SSPC-SP3



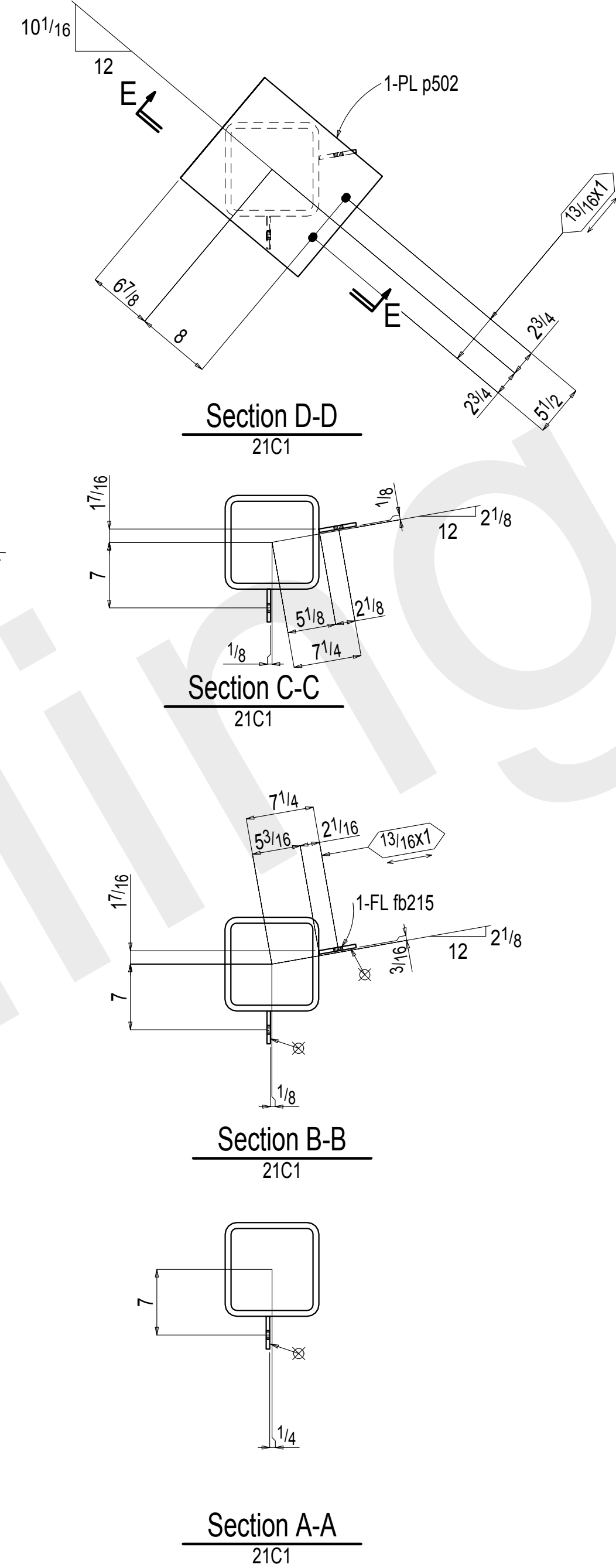
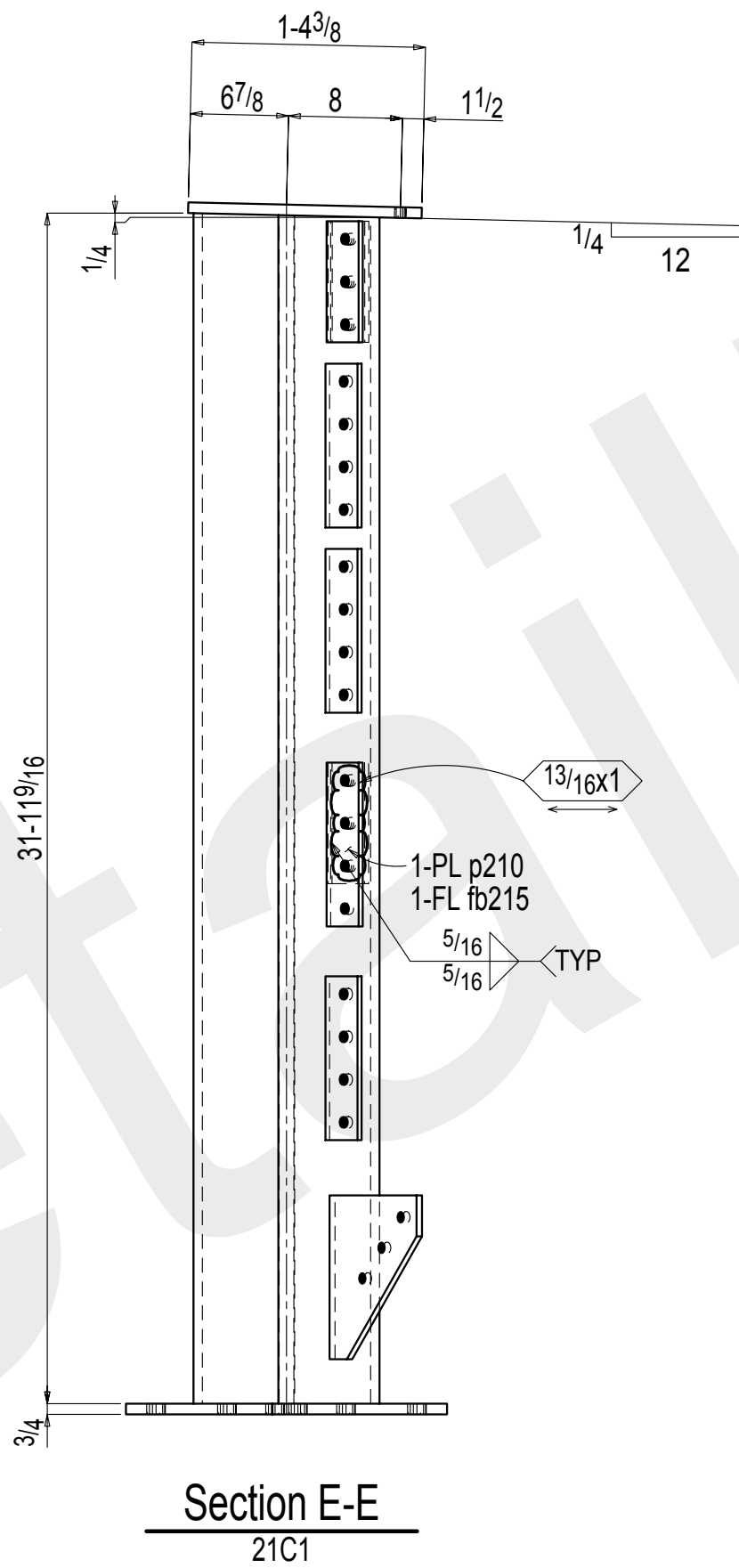
DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445



ONE COLUMN 21C1

AT GRID:
3 & 102 & A

FIELD BOLTS:
16-3/4x2 A325N
12-3/4x2 A325SC



BILL OF MATERIAL

P	L	MARK	No.	REQ'D	Description	LENGTH		Weight	Remarks
						FT	IN	Total	
			21C1	ONE	COLUMN			2576	
			21C1	1	HSS10x10x5/8	31	11 9/16	2439	S1E B1E
			BP6_1	1	PL 3/4x16	1	4	53	
			p502	1	PL 3/4x14	1	4 3/8	49	
			p105	1	PL 1/2x9 1/2	0	11 1/2	11	
			fb215	2	FL 3/8x4	0	8 1/2	7	
			p210	4	PL 3/8x3 1/2	0	11 1/2	16	
			p214	1	PL 3/8x3 1/2	0	8 1/2	3	
					FIELD BOLTS				
				16	3/4 Dia A325N	0	2		+1HD WASH
				12	3/4 Dia A325SC	0	2		+1HD WASH

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY	TDB	COLUMN DETAILS	JOB# 14-68
CHKD. BY	-		SHEET# 21
DATE	8.13.14	REYNOLDS IRON WORKS, INC.	
SCALE		157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	



*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 13/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

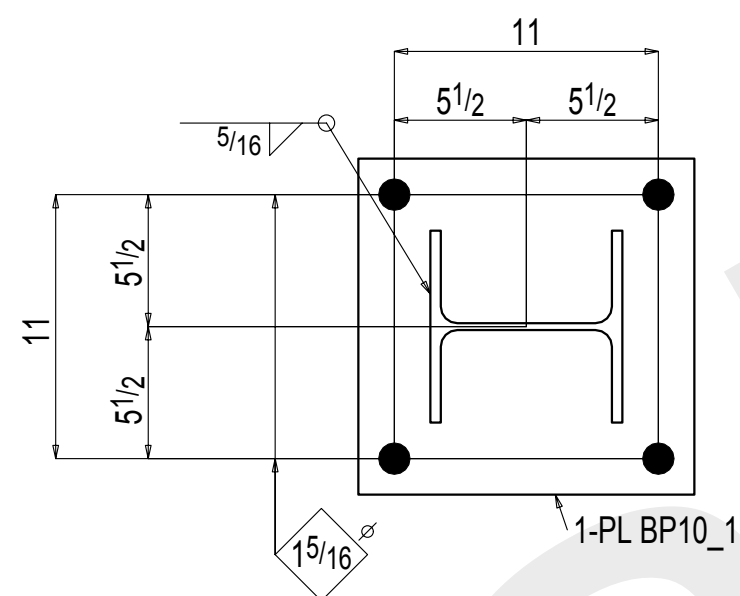
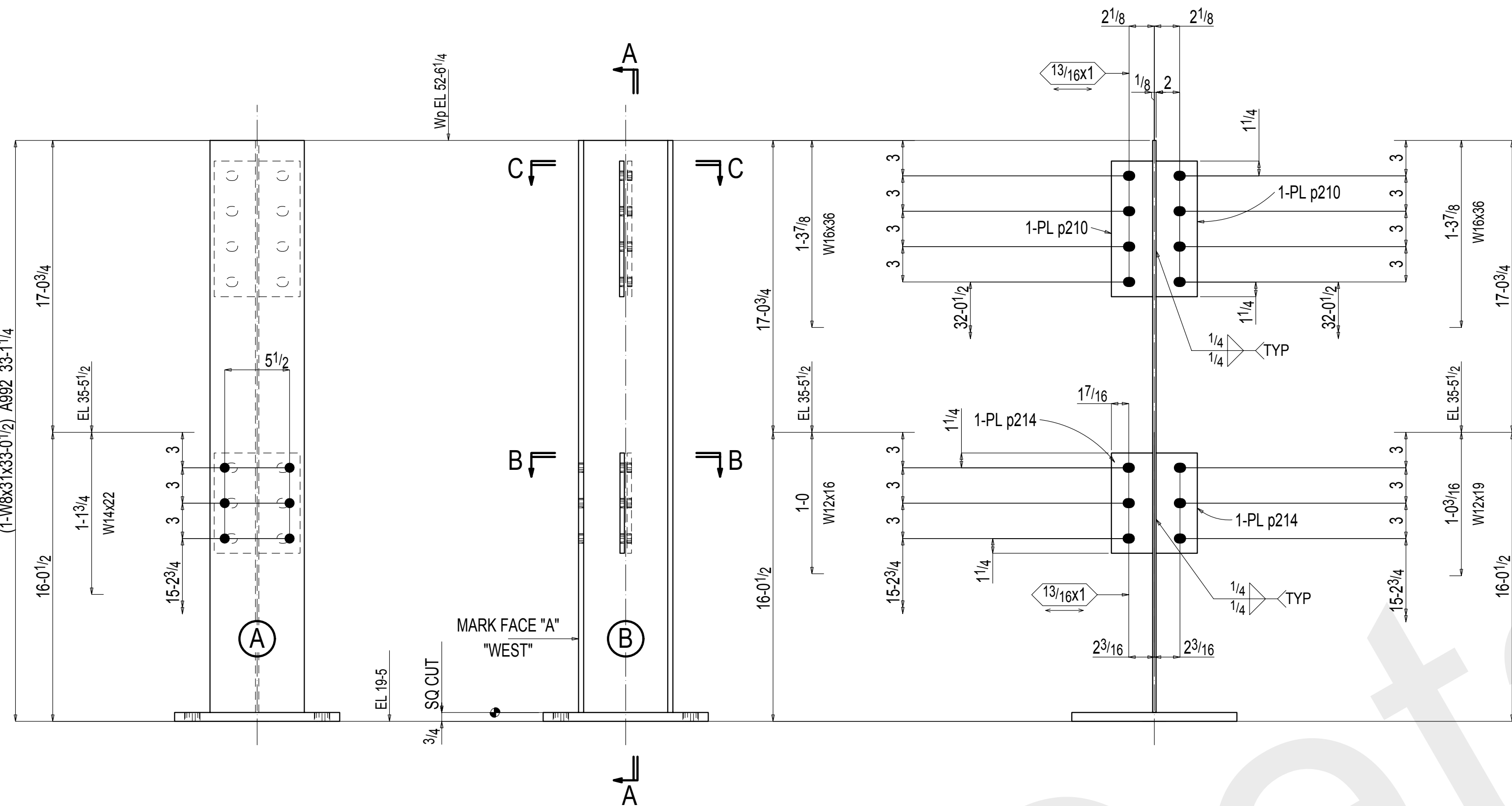
*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mills).

*SURFACE PREPARATION: SSPC-SP3



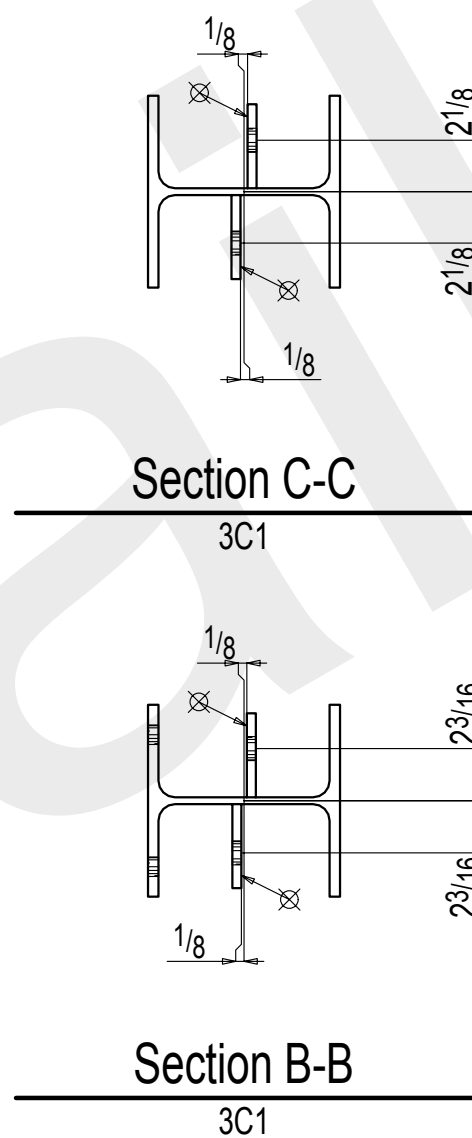
DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445



ONE COLUMN 3C1

W 8x5/16 FIELD BOLTS:
F 8x7/16 20-3/4x2 A325N

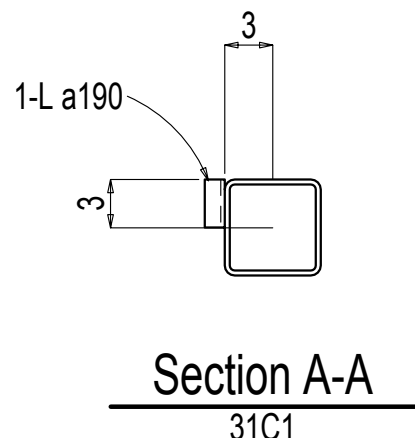
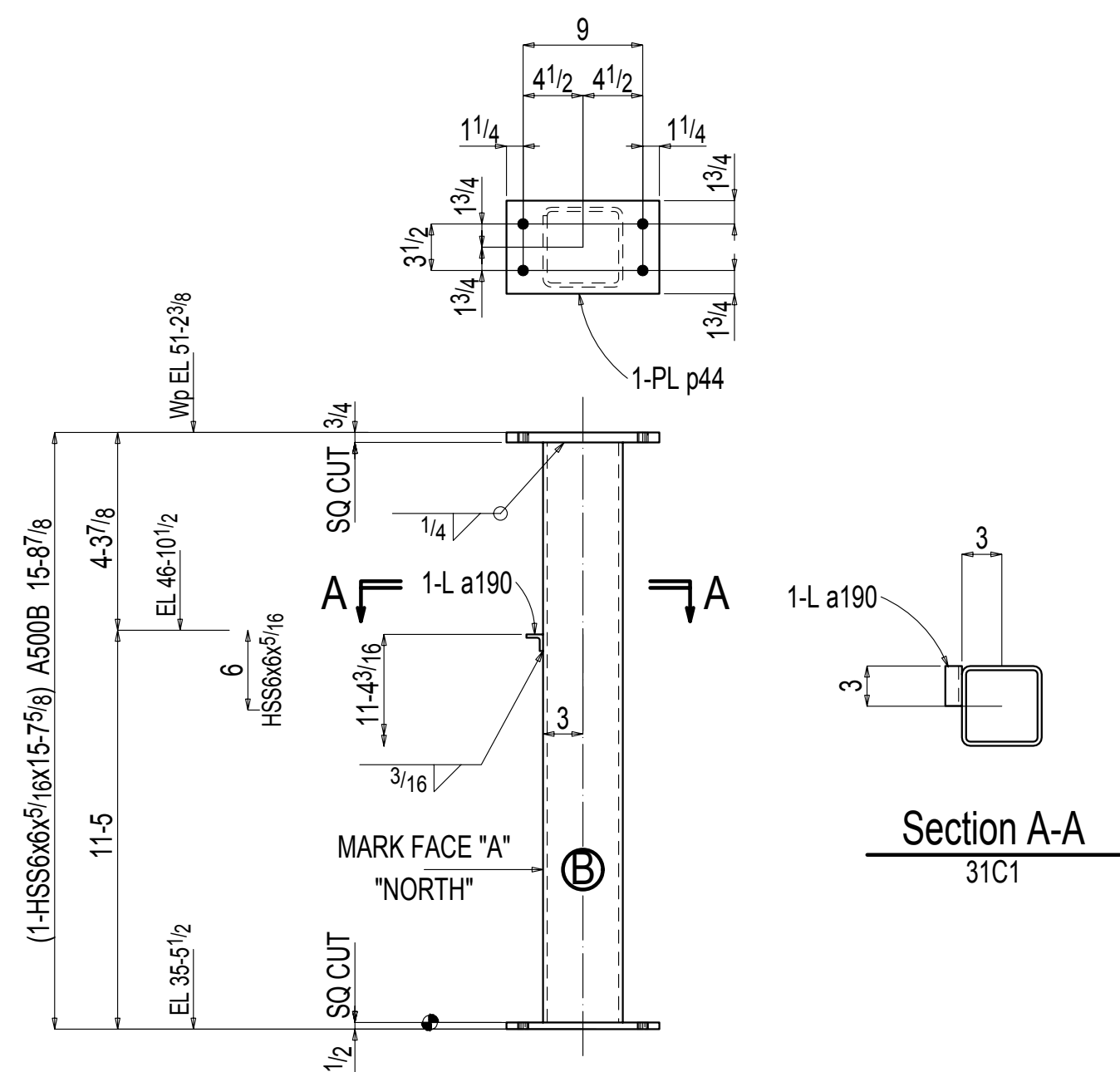
AT GRID:
1 & D



*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 13/16 Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: 3/4" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION: SSPC-SP3

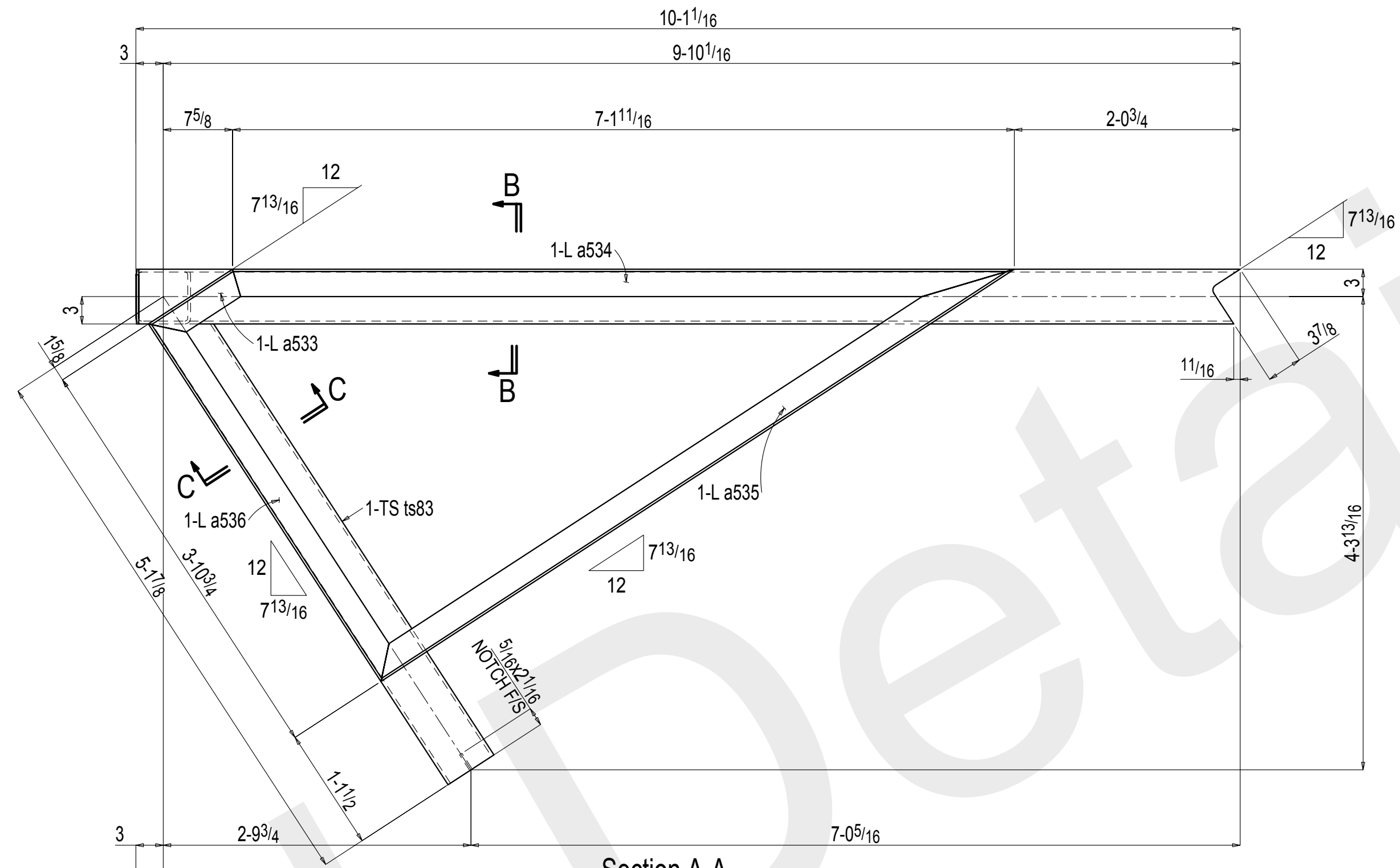


1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	COLUMN DETAILS		JOB# 14-68
CHKD. BY -			SHEET# 3
DATE 8.13.14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		

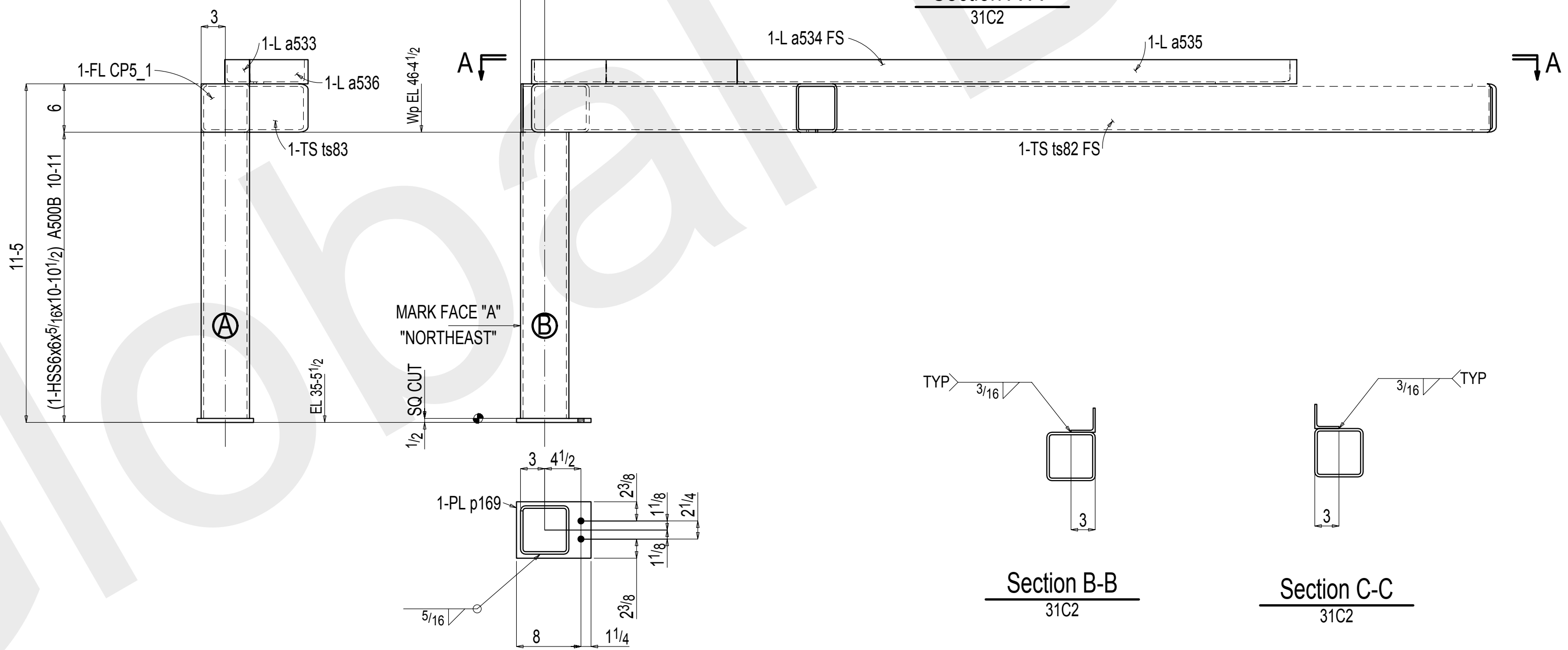


ONE COLUMN 31C1

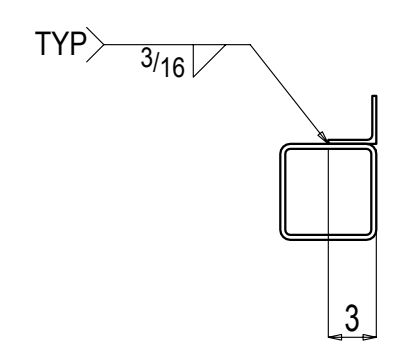
AT GRID:
1
FIELD BOLTS:
4-3/4x2 1/2 A325N



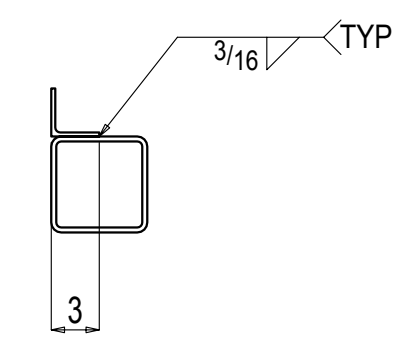
Section A-A
31C2



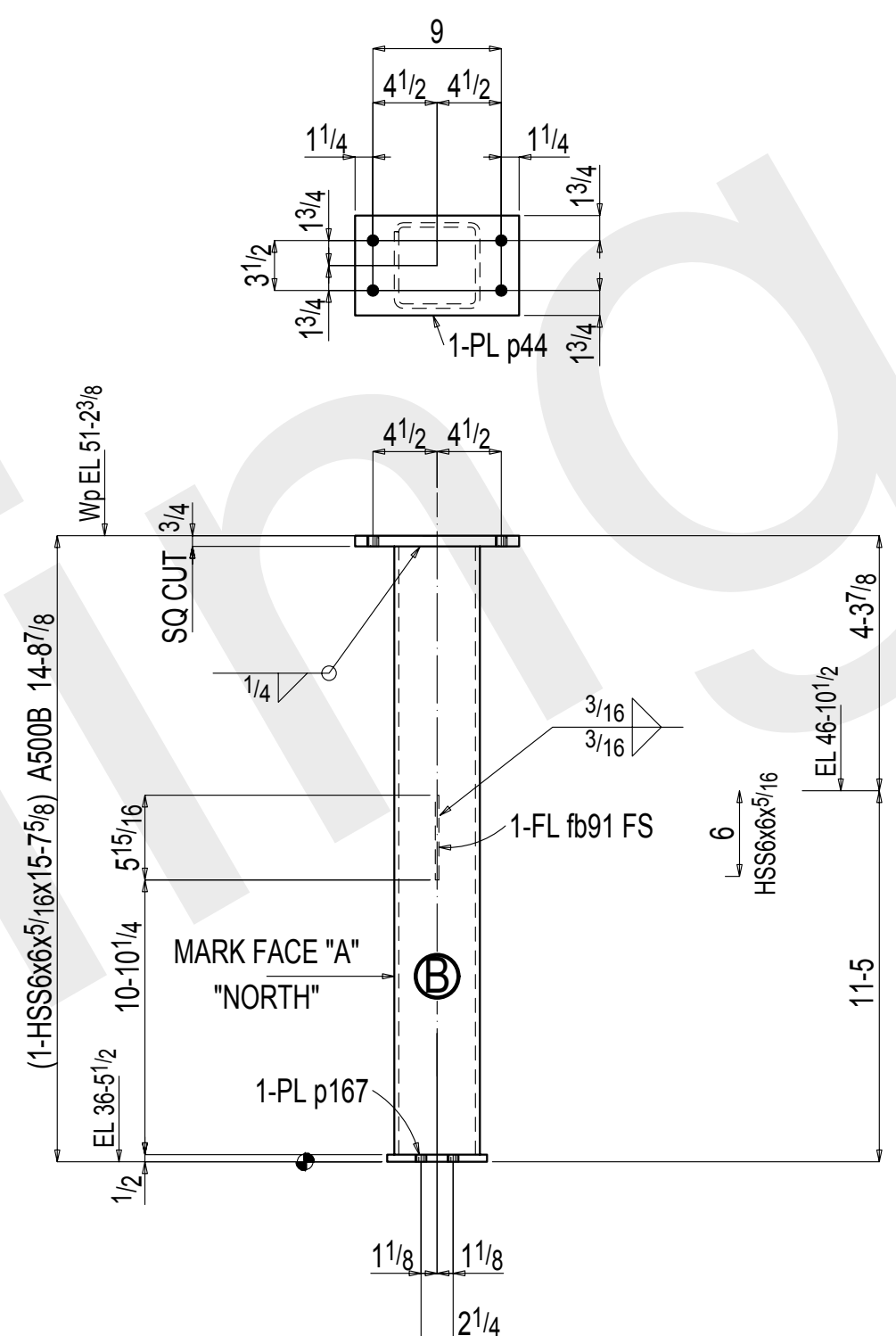
ONE COLUMN 31C2



Section B-B
31C2

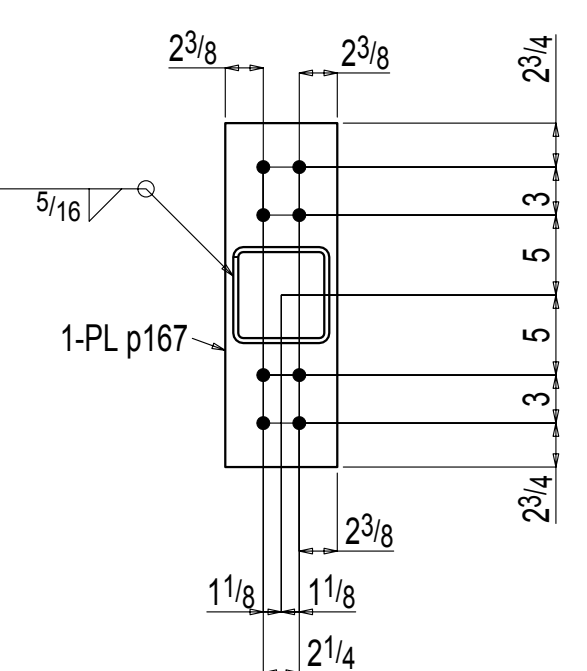


Section C-C
31C2



ONE COLUMN 31C3

AT GRID:
1
FIELD BOLTS:
8-3/4x2 A325N
4-3/4x2 1/2 A325N



*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 13/16 Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: 3/4" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION: SSPC-SP3

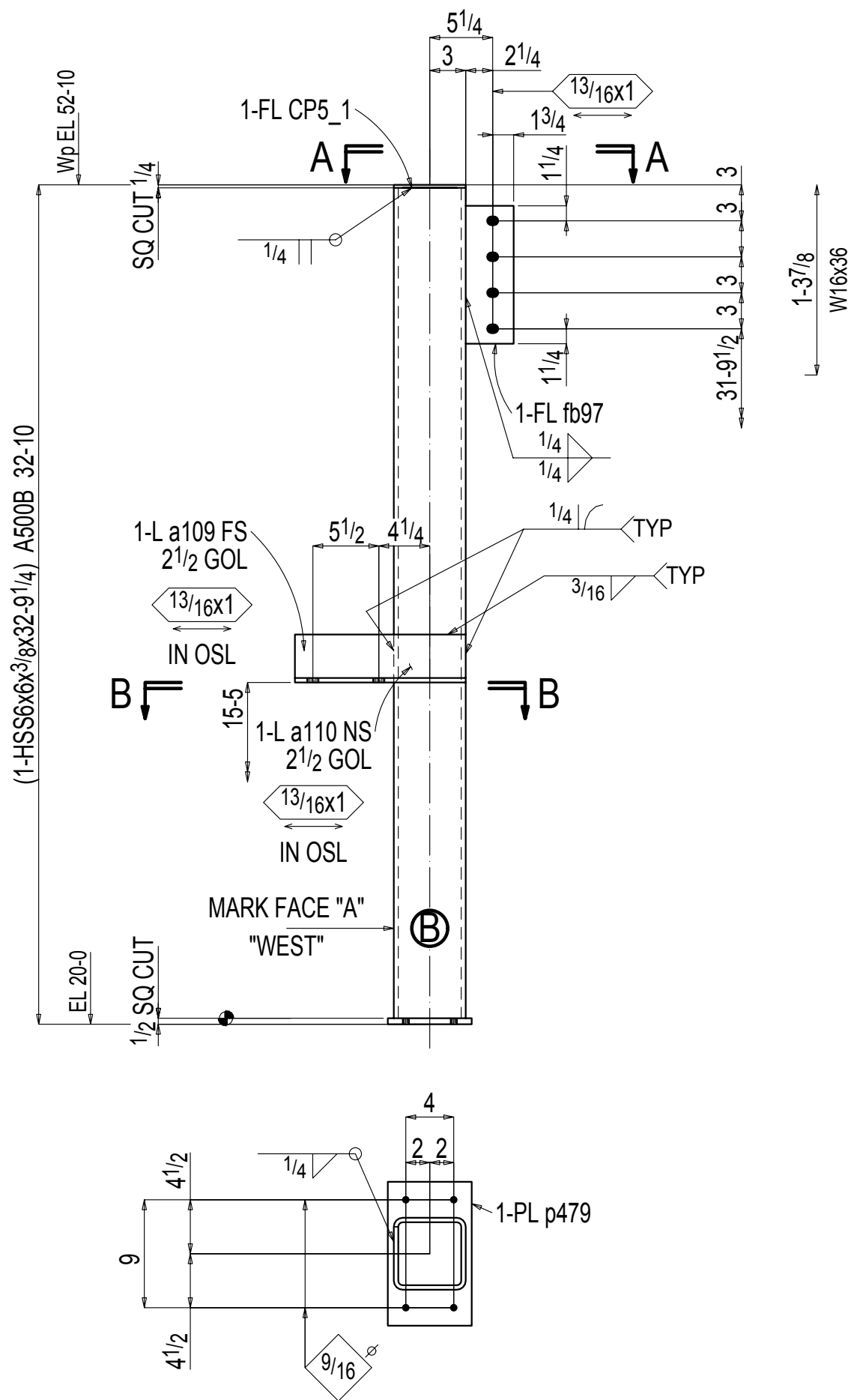


BILL OF MATERIAL									
P	L	MARK	No.	REQD	Description	LENGTH		Weight	Remarks
						FT	IN	Total	
		31C1	ONE		COLUMN			393	
		31C1	1		HSS6x6x5/16	15	7 5/8	365	S2E
		a190	1		L1 1/4x1 1/4x1/4	0	3	0	
		p44	1		PL 3/4x7	0	11 1/2	17	
		p168	1		PL 1/2x7	0	11 1/2	11	
					FIELD BOLTS				
			4		3/4 Dia A325N	0	2 1/2		+1HD WASH
		31C2	ONE		COLUMN			700	
		31C2	1		HSS6x6x5/16	10	10 1/2	254	S1E
		ts82	1		HSS6x6x5/16	10	0 3/4	232	
		ts83	1		HSS6x6x5/16	5	0 1/4	113	
		a534	1		L3x3x1/4	7	1 3/4	34	
		a535	1		L3x3x1/4	6	10 7/8	32	
		a536	1		L3x3x1/4	3	10 3/4	18	
		a533	1		L3x3x1/4	0	11	4	
		p169	1		PL 1/2x7	0	9 1/4	9	
		CP5	1		FL 1/4x6	0	6	3	
		31C3	ONE		COLUMN			403	
		31C3	1		HSS6x6x5/16	15	7 5/8	365	S1E
		p44	1		PL 3/4x7	0	11 1/2	17	
		p167	1		PL 1/2x7	1	9 1/2	21	
		fb91	1		FL 1/4x2	0	5 15/16	1	
					FIELD BOLTS				
			4		3/4 Dia A325N	0	2 1/2		+1HD WASH
			8		3/4 Dia A325N	0	2		+1HD WASH

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

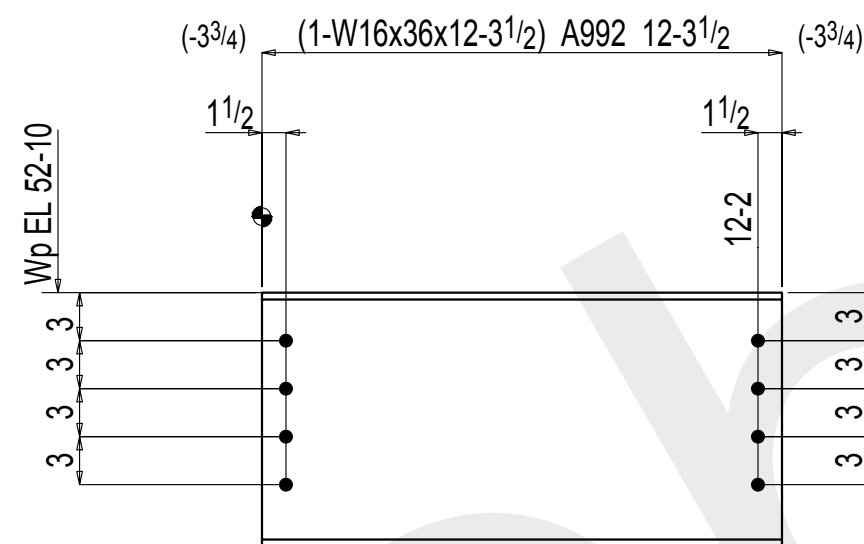
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	COLUMN DETAILS		JOB# 14-68
CHKD. BY -			SHEET# 31
DATE 8.13.14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		



ONE COLUMN 32C1

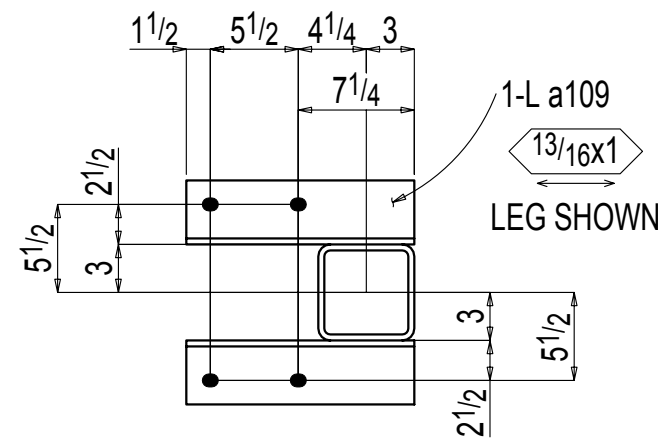
FIELD BOLTS:
4-3/4x2 A325N

REVISED 1.9.15



ONE BEAM 32B1

W 15x7/8x3/16
F 7x7/16

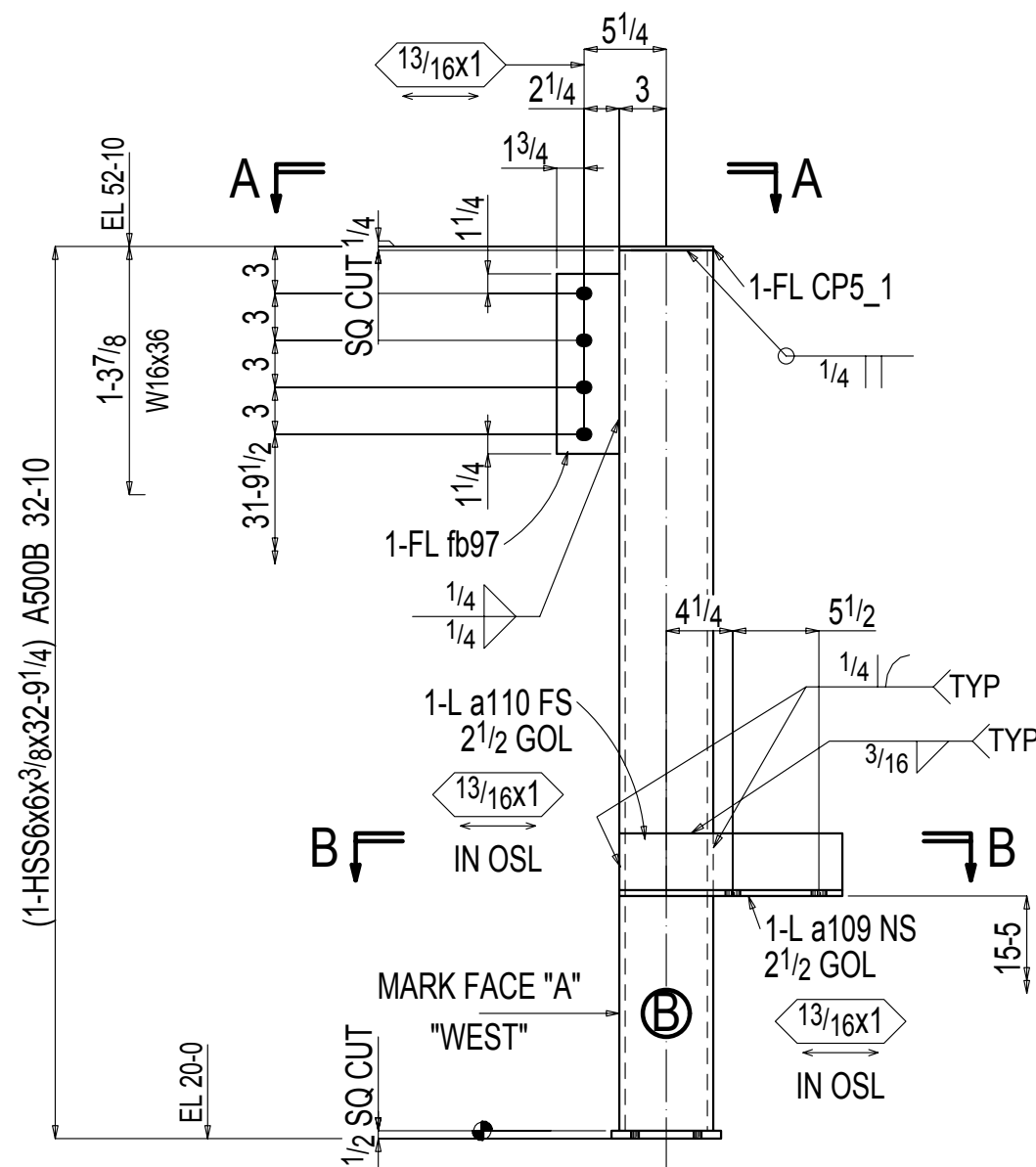


Section B-B

32C1

Section A-A

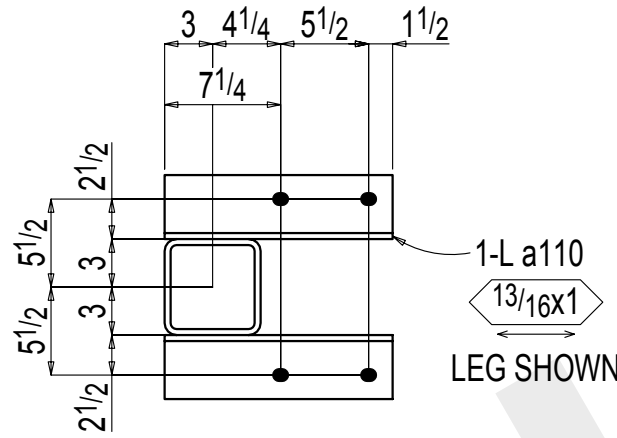
32C1



ONE COLUMN 32C2

FIELD BOLTS:
4-3/4x2 A325N

REVISED 1.9.15



Section B-B

32C2

Section A-A

32C2



DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445



*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 13/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE
DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mills).

*SURFACE PREPARATION: SSPC-SP3

BILL OF MATERIAL

P	L	MARK	No.	Description	LENGTH	Weight	Remarks
			REQ'D		FT	IN	Total
			32C1	ONE COLUMN			942
			32C1	1 HSS6x6x3/8	32	9 1/4	901
			a109	1 L4x4x3/8	1	2 1/4	11
			a110	1 L4x4x3/8	1	2 1/4	11
			p479	1 PL 1/2x7	1	0	12
			fb97	1 FL 3/8x4	0	11 1/2	5
			CP5_1	1 FL 1/4x6	0	6	3
				FIELD BOLTS			
			4	3/4 Dia A325N	0	2	+1HD WASH
			32C2	ONE COLUMN			942
			32C2	1 HSS6x6x3/8	32	9 1/4	901
			a109	1 L4x4x3/8	1	2 1/4	11
			a110	1 L4x4x3/8	1	2 1/4	11
			p479	1 PL 1/2x7	1	0	12
			fb97	1 FL 3/8x4	0	11 1/2	5
			CP5_1	1 FL 1/4x6	0	6	3
				FIELD BOLTS			
			4	3/4 Dia A325N	0	2	+1HD WASH
			32B1	ONE BEAM			442
			32B1	1 W16x36	12	3 1/2	442

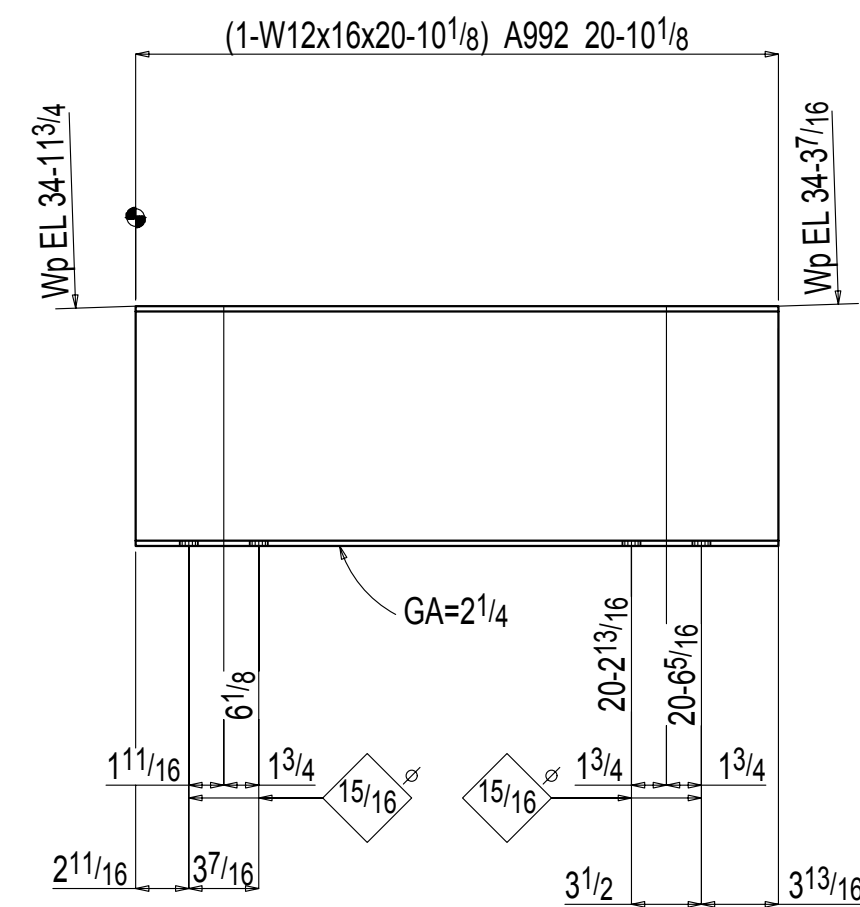
REV	DATE	DESCRIPTION	BY
2	Jan 9 2015	REVISED FOR FAB	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB

REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

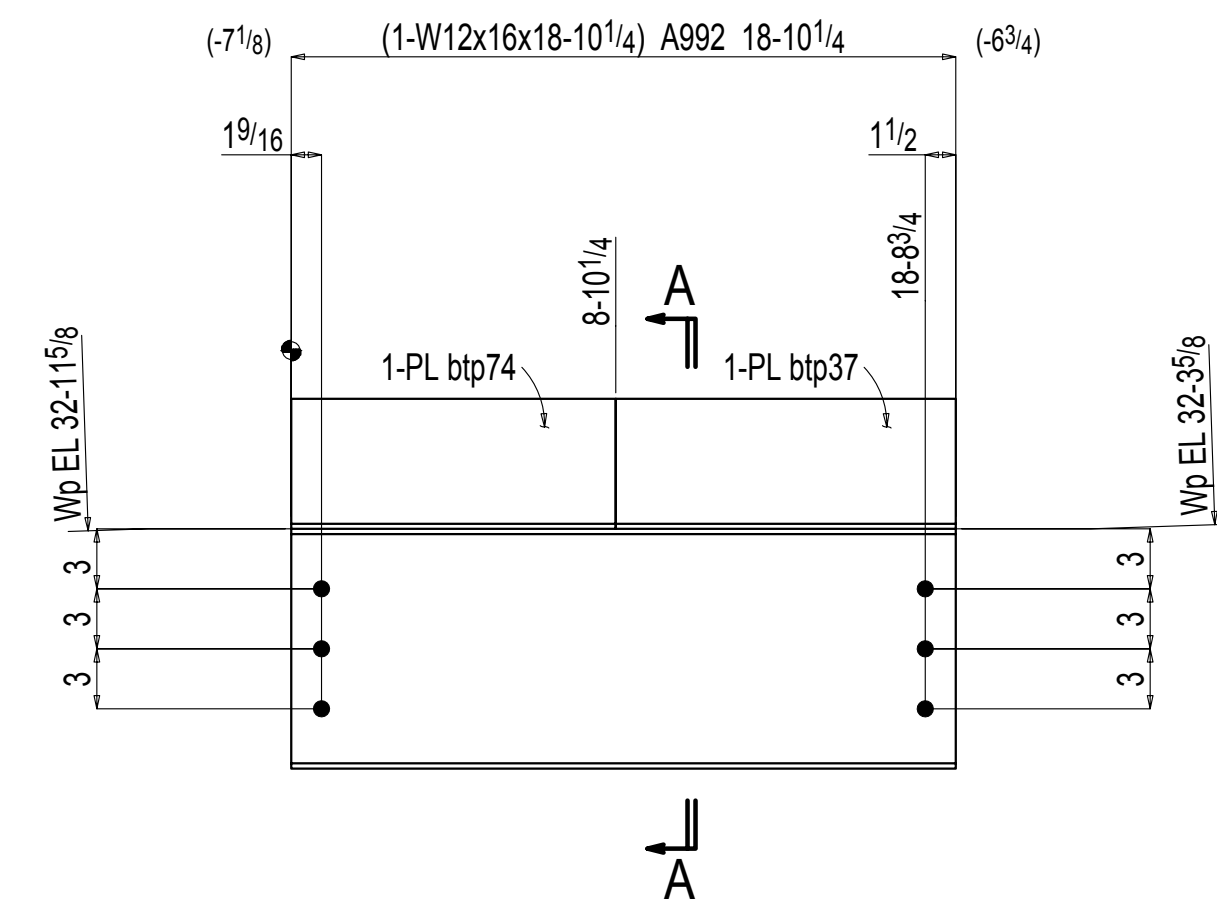
DRAWN BY TDB	COLUMN DETAILS	JOB# 14-68
CHKD. BY -		SHEET# 32

REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



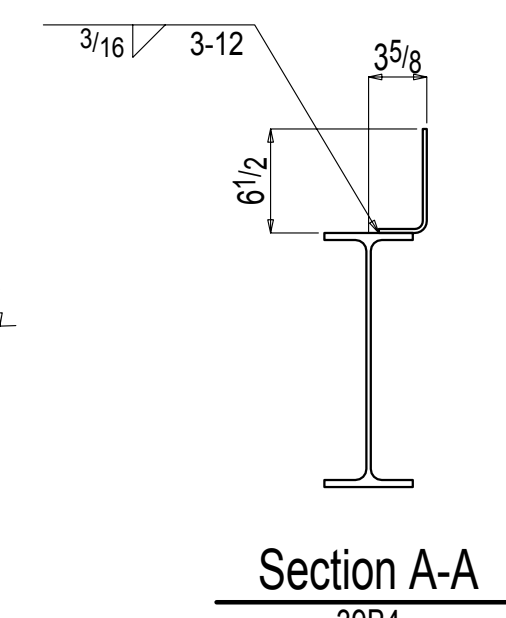
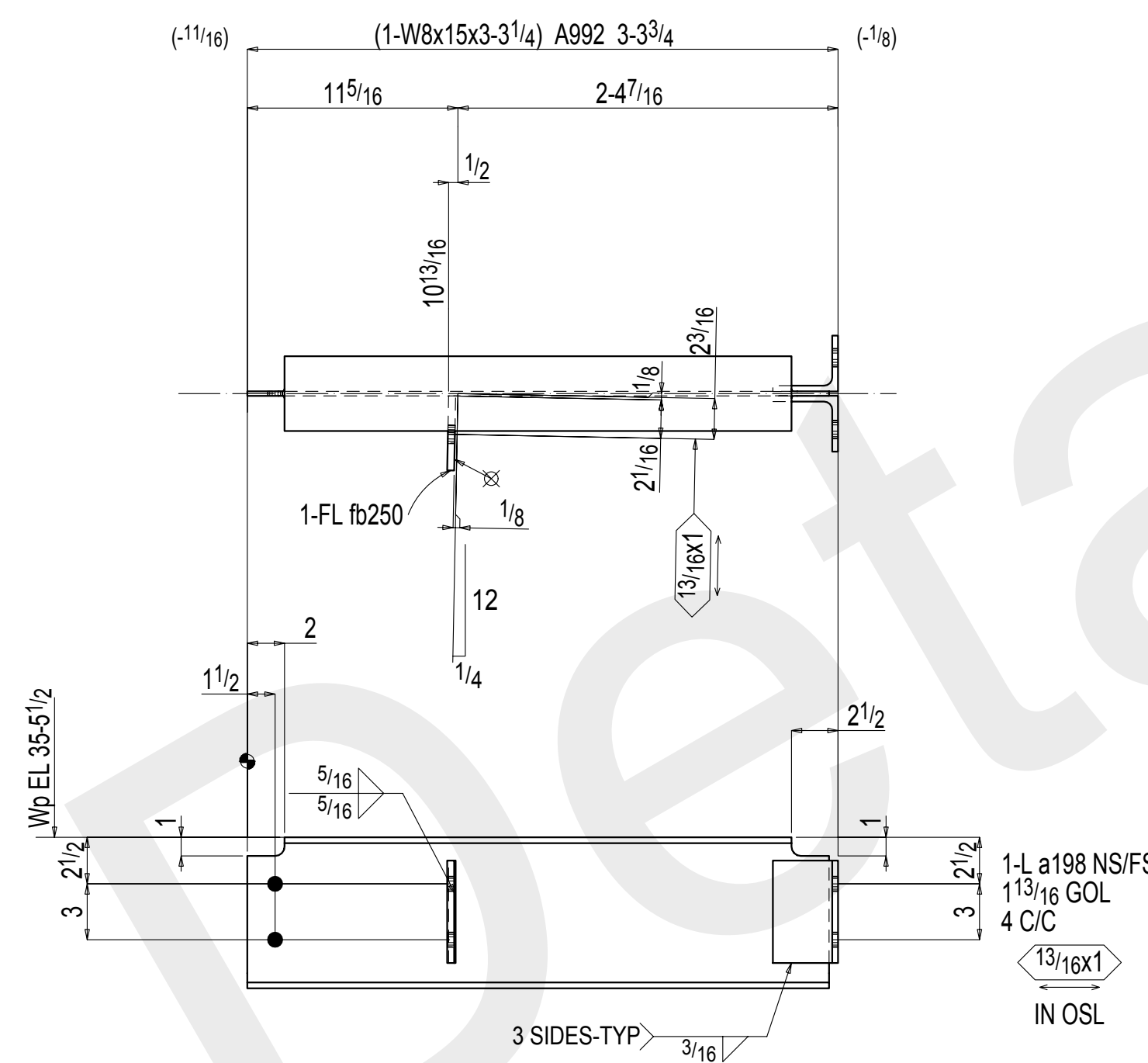
ONE BEAM 39B2

W	$12x^{1/4}$
F	$4x^{1/4}$



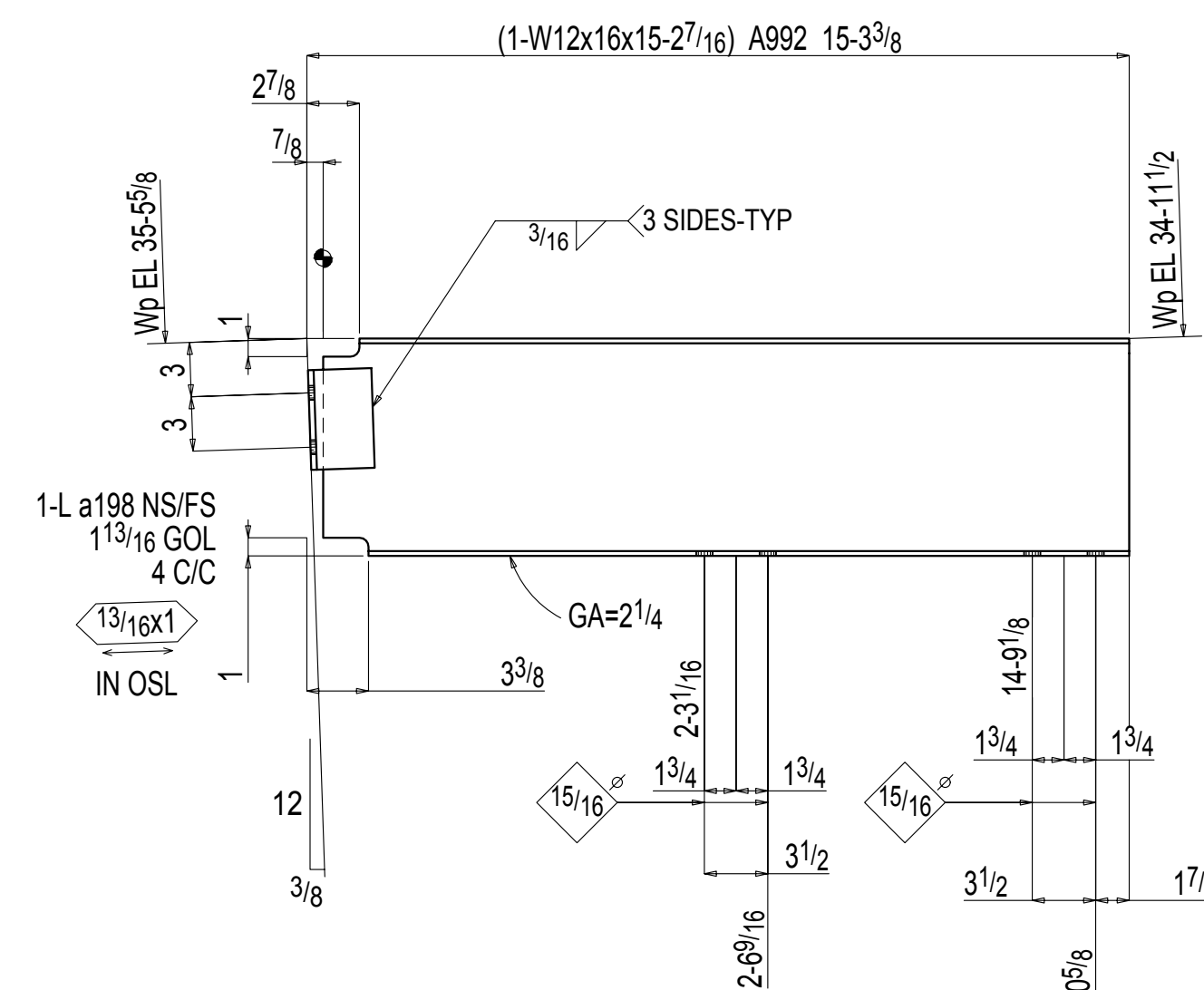
Section A-A
39B3

W	$12x^{1/4}$
F	$4x^{1/4}$

Section A-A
2024

W	$8^{1/8}x^{1/8}$
F	$4x^{5/16}$

W	8 ¹ / ₈ x1 ¹ / ₄	FIELD BOLTS:
F	4x5 ⁵ / ₁₆	2-3 ³ / ₄ x2 A325N



W	$12x^{1/4}$
F	$4x^{1/4}$

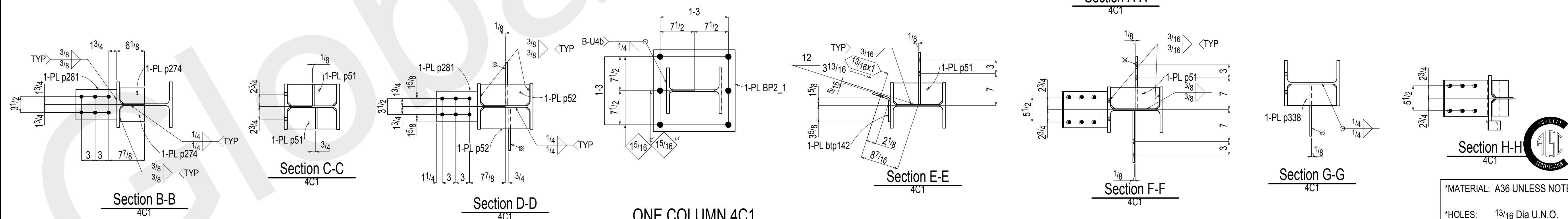
*MATERIAL:	A36 UNLESS NOTED OTHERWISE
*HOLES:	13/16 Dia U.N.O.
*WELDING:	E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D.11
*BOLTS:	3/4" Dia A325N U.N.O.
*PAINT:	1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION:	SPSC-SP3

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY TDB	BEAM DETAILS	JOB# 14-68
CHK'D. BY -		SHEET# 39
DATE 8.13.14 SCALE	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	

REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



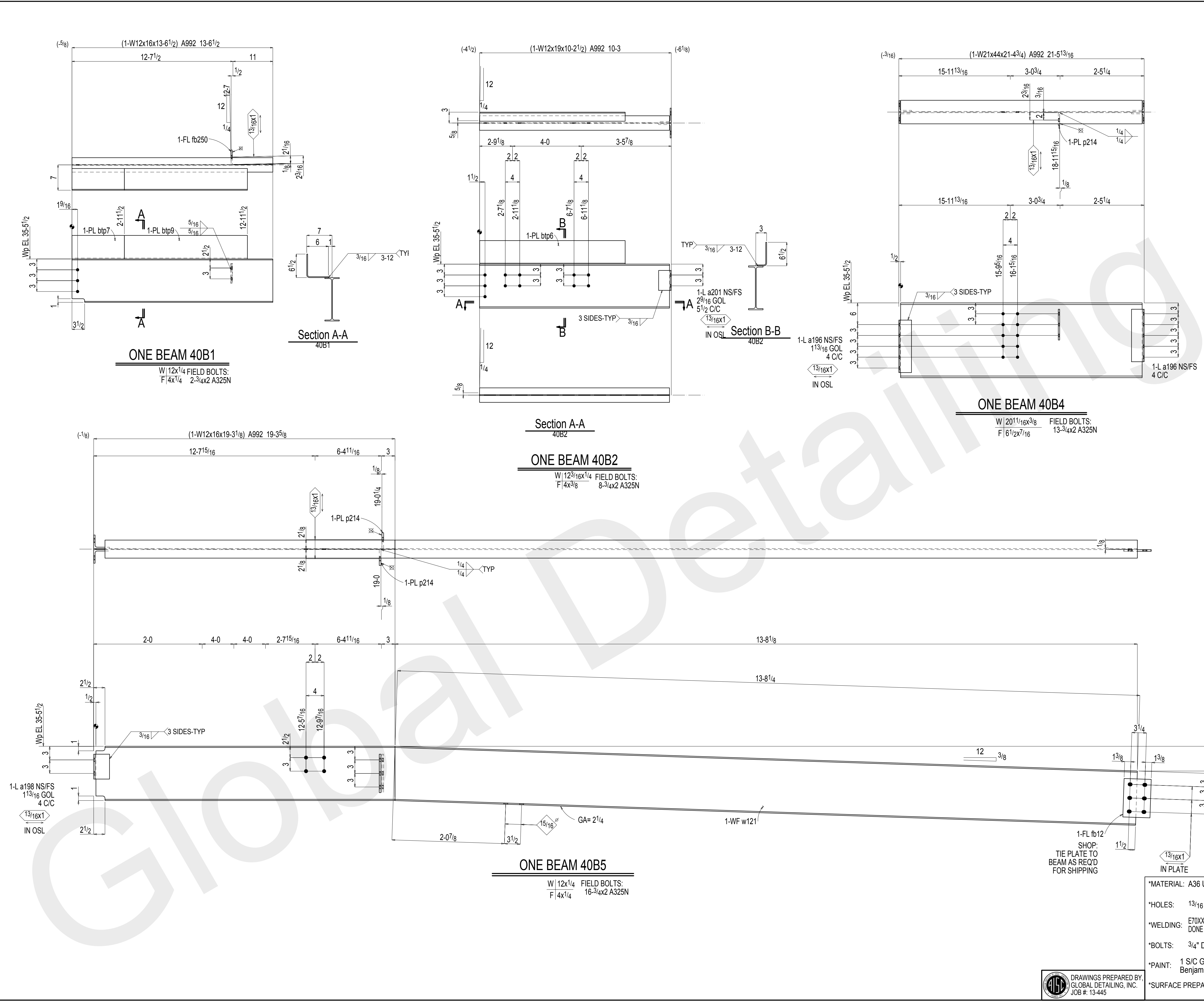
2
11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS

2	Nov 14 2014	ADDED NO PAINT NOTE	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

DRAWN BY TDB	COLUMN DETAILS	JOB# 14-68
CHK'D. BY -		SHEET# 4
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	
SCALE		

*SURFACE PREPARATION: SSPC-SP3





BILL OF MATERIAL

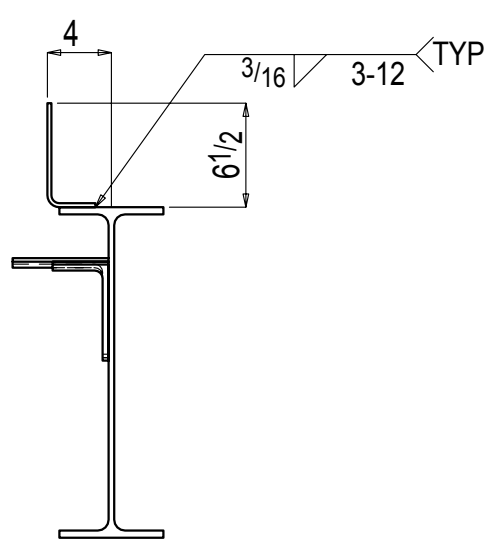
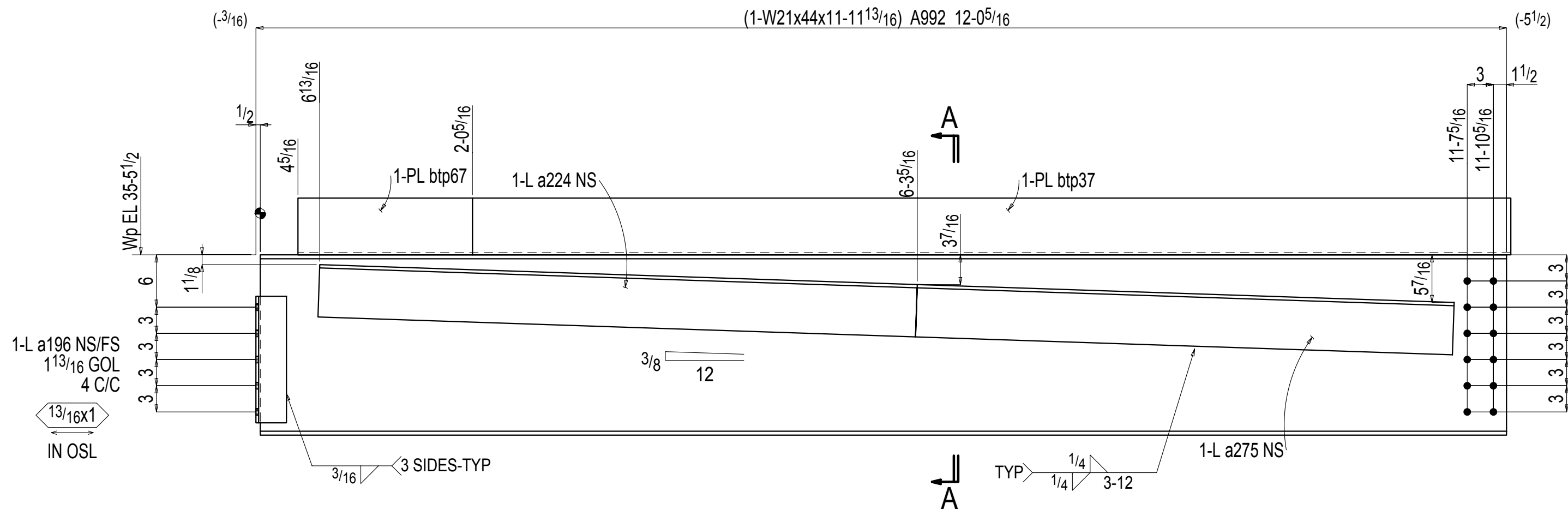
P	L	MARK	No.	REQD	Description	LENGTH	Weight	Remarks
			40B1	ONE BEAM			349	
			40B1	1	W12x16	13	6 1/2	215
			fb250	1	FL 3/8x4	0	5 1/2	2
			bt9	1	BPL 1/4x12	10	0	102 BENT
			bt7	1	BPL 1/4x12	2	11 1/2	30 BENT
				FIELD BOLTS				
			2	3/4 Dia A325N	0	2		+1HD WASH
			40B2	ONE BEAM			260	
			40B2	1	W12x19	10	2 1/2	194
			a201	2	L4x3 1/2x3/8x5/16	0	5 1/2	7
			bt6	1	BPL 1/4x8 1/2	8	3 3/16	60 BENT
				FIELD BOLTS				
			8	3/4 Dia A325N	0	2		+1HD WASH
			40B4	ONE BEAM			975	
			40B4	1	W21x44	21	4 3/4	941
			a196	4	L3 1/2x3x3/8x5/16	1	2 1/2	31
			p214	1	PL 3/8x3 1/2	0	8 1/2	3
				FIELD BOLTS				
			13	3/4 Dia A325N	0	2		+1HD WASH
			40B5	ONE BEAM			542	
			40B5	1	W12x16	19	3 1/8	307
			w121	1	W12x16	13	8 1/4	218 B1E
			a198	2	L3 1/2x3x3/8x5/16	0	5 1/2	6
			fb12	1	FL 3/8x6	0	8 1/2	5
			p214	2	PL 3/8x3 1/2	0	8 1/2	6
				FIELD BOLTS				
			16	3/4 Dia A325N	0	2		+1HD WASH

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

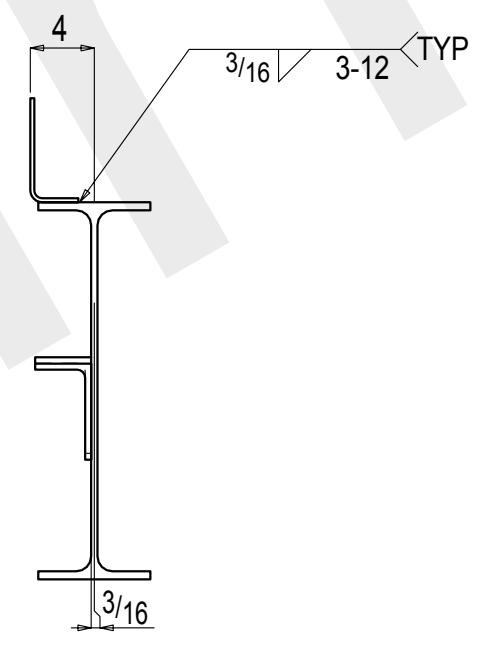
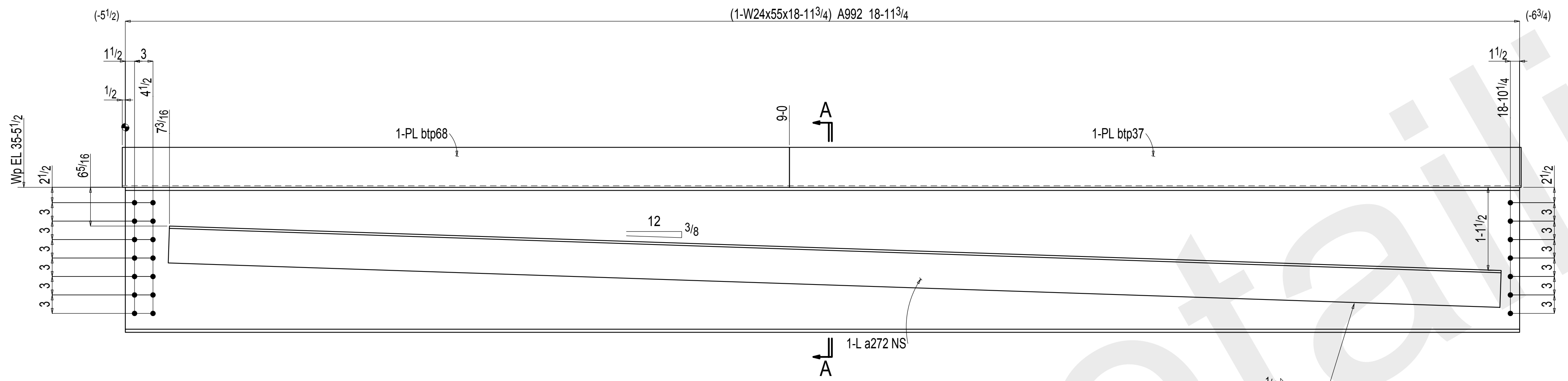
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY		
DRAWN BY TDB	BEAM DETAILS	JOB# 14-68
CHK'D. BY -		SHEET# 40
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	
SCALE		

- *MATERIAL: A36 UNLESS NOTED OTHERWISE
- *HOLES: 13/16 Dia U.N.O.
- *WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
- *BOLTS: 3/4" Dia A325N U.N.O.
- *PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mils).
- *SURFACE PREPARATION: SSPC-SP3



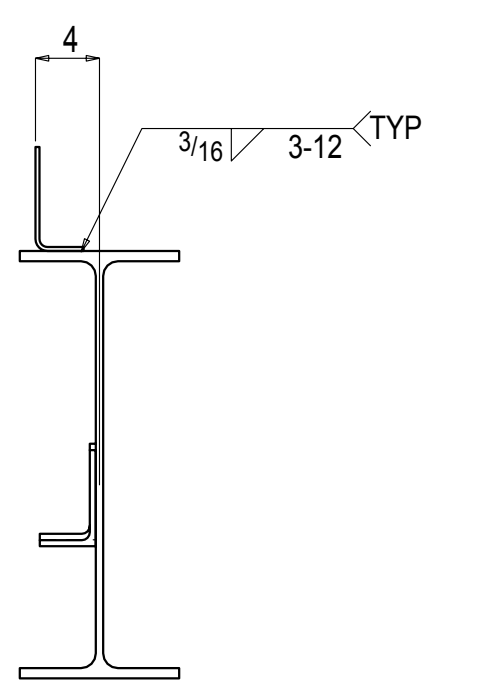
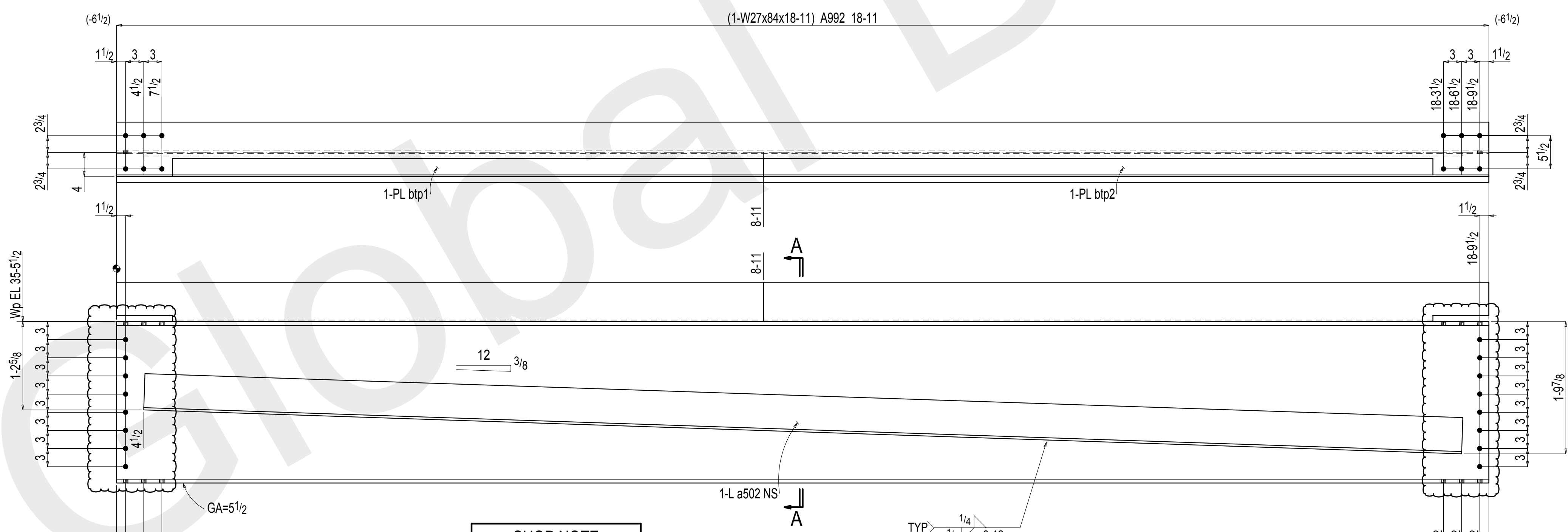
ONE BEAM 41B1

W | 20 1 1/16 x 3 3/8
F | 6 1/2 x 7 1/16



ONE BEAM 41B2

W | 23 9/16 x 3 3/8
F | 7 x 1 1/2



ONE BEAM 41B3

W | 26 1 1/16 x 7 1/16
F | 9 15/16 x 3 3/8

SHOP NOTE
NO PAINT AT CLOUDED
AREAS FOR MOMENT
CONNECTIONS (TYPICAL)

11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS

BILL OF MATERIAL

P	L	MARK	No.	REQD	Description	LENGTH	Weight	Remarks
						FT	IN	Total
			41B1		ONE BEAM			776
			41B1	1	W21x44	11	11 13/16	527
			a224	1	L6x6x3/8	5	8 1/2	85 B1E
			a275	1	L6x3 1/2x3/8	5	19 1/16	60
			a196	2	L3 1/2x3x5/16	1	2 1/2	15
			btp37	1	BPL 1/4x9	10	0	76 BENT
			btp67	1	BPL 1/4x9	1	8	13 BENT
			41B2		ONE BEAM			1399
			41B2	1	W24x55	18	11 3/4	1043
			a272	1	L6x3 1/2x3/8	18	0 11/16	211
			btp37	1	BPL 1/4x9	10	0	76 BENT
			btp68	1	BPL 1/4x9	9	0 1/2	69 BENT
			41B3		ONE BEAM			1938
			41B3	1	W27x84	18	11	1586
			a502	1	L6x3 1/2x3/8	18	2 1/8	213
			btp2	1	BPL 1/4x9	10	0	74 BENT
			btp1	1	BPL 1/4x9	8	11	66 BENT

2	Nov 14 2014	ADDED NO PAINT NOTE	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS



*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 13/16 Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: 3/4" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mills).
*SURFACE PREPARATION: SSPC-SP3

DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

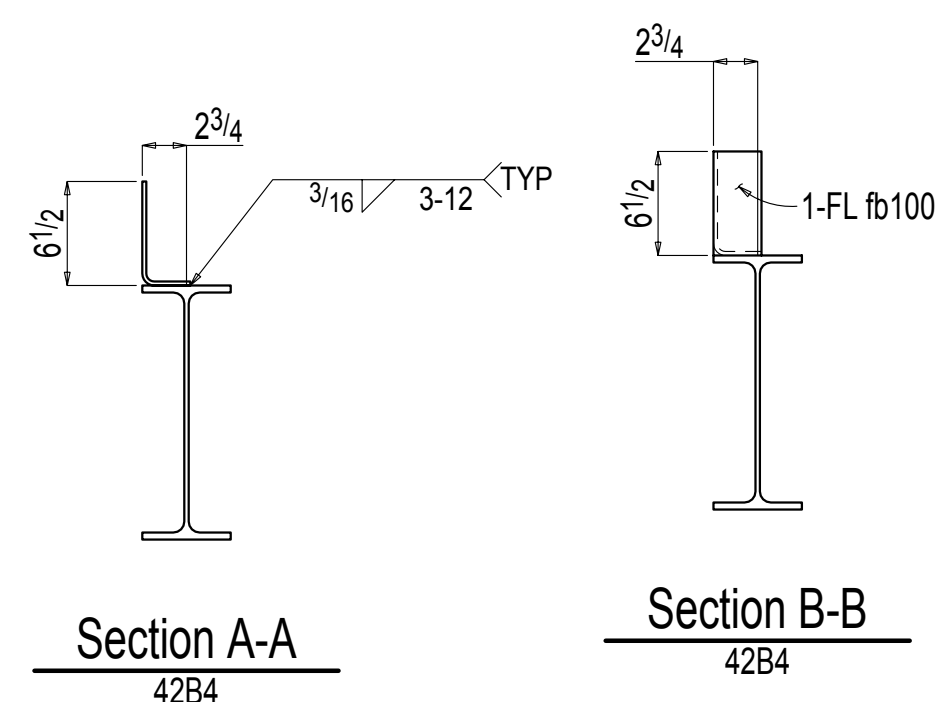
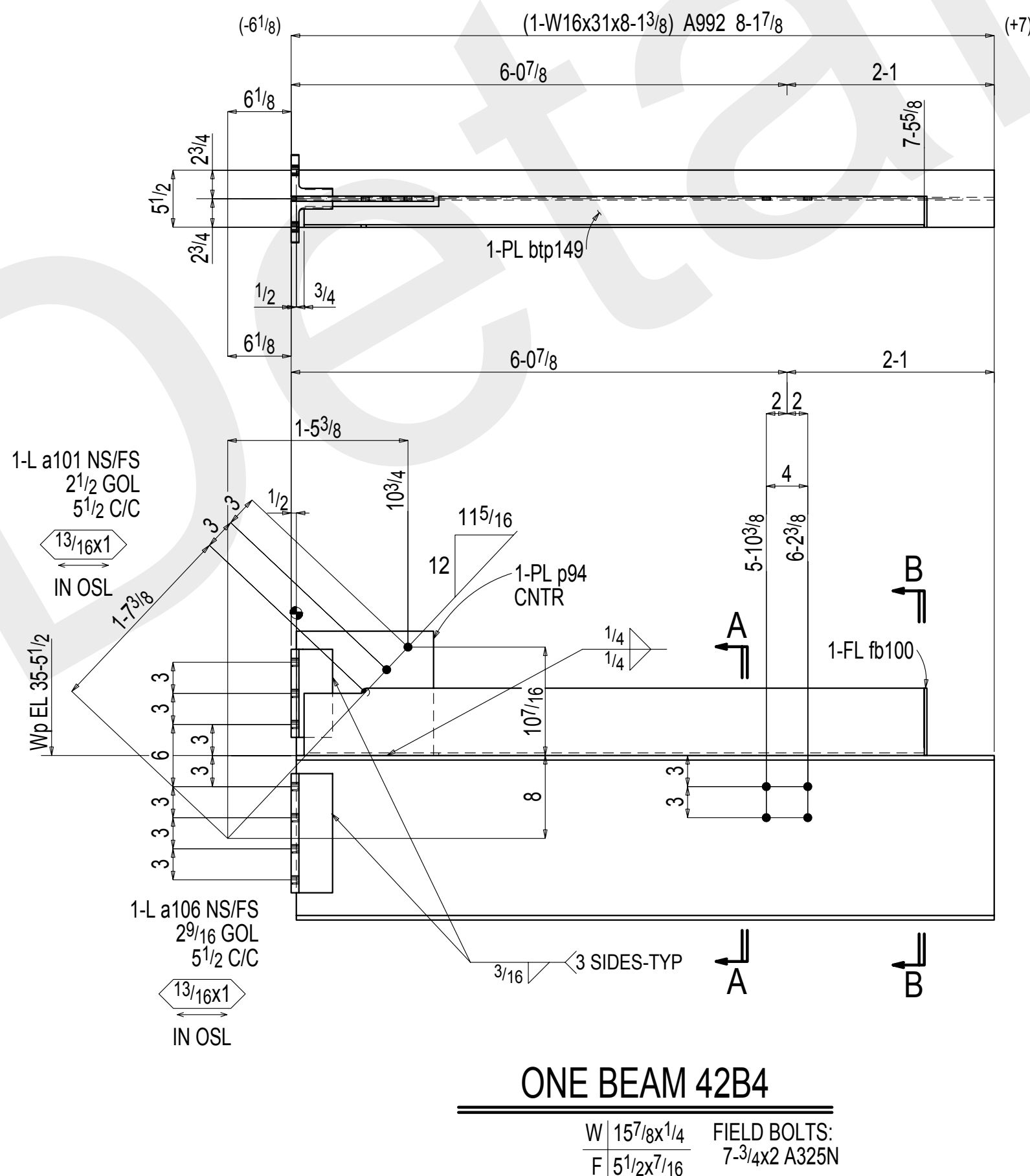
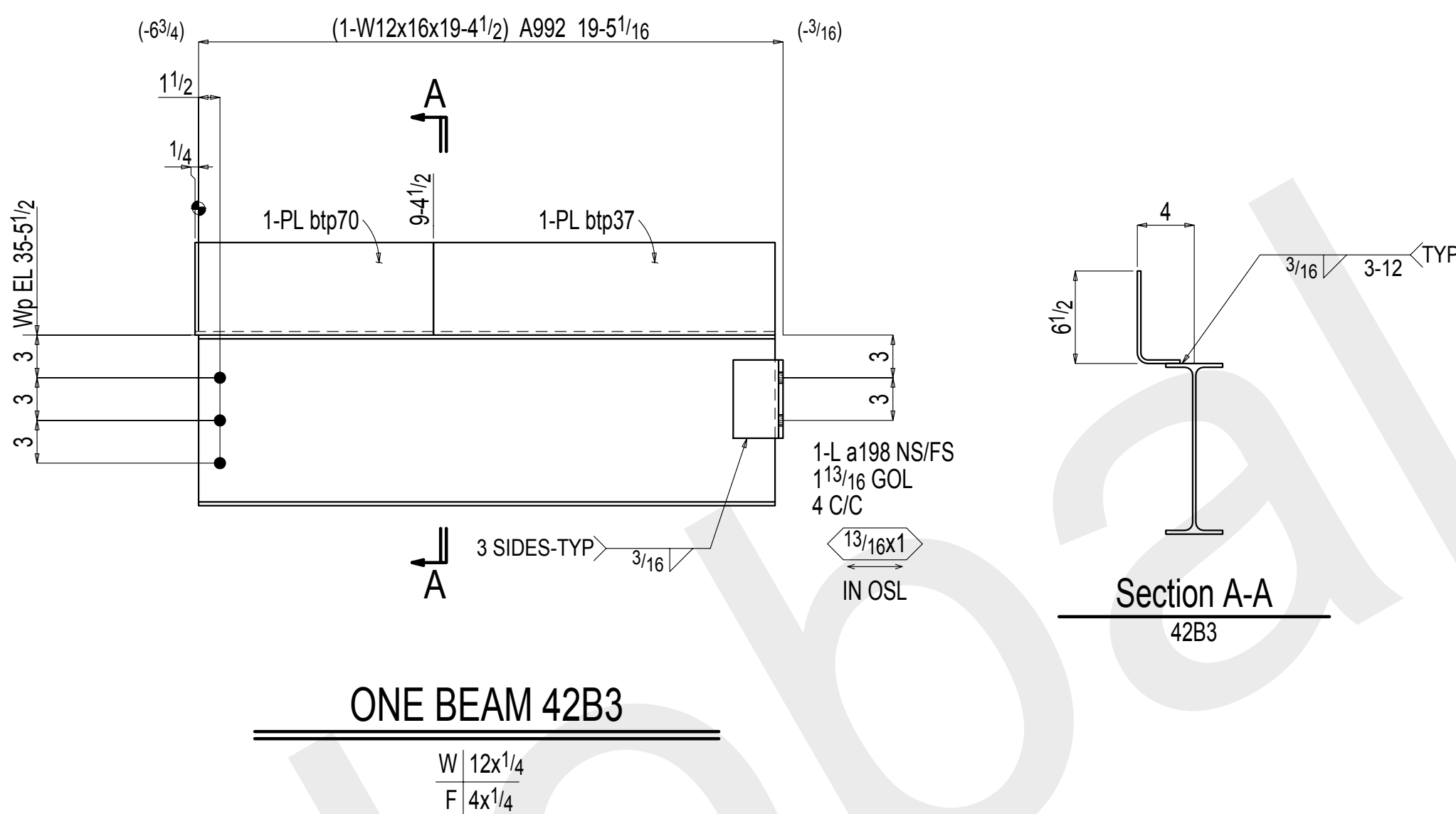
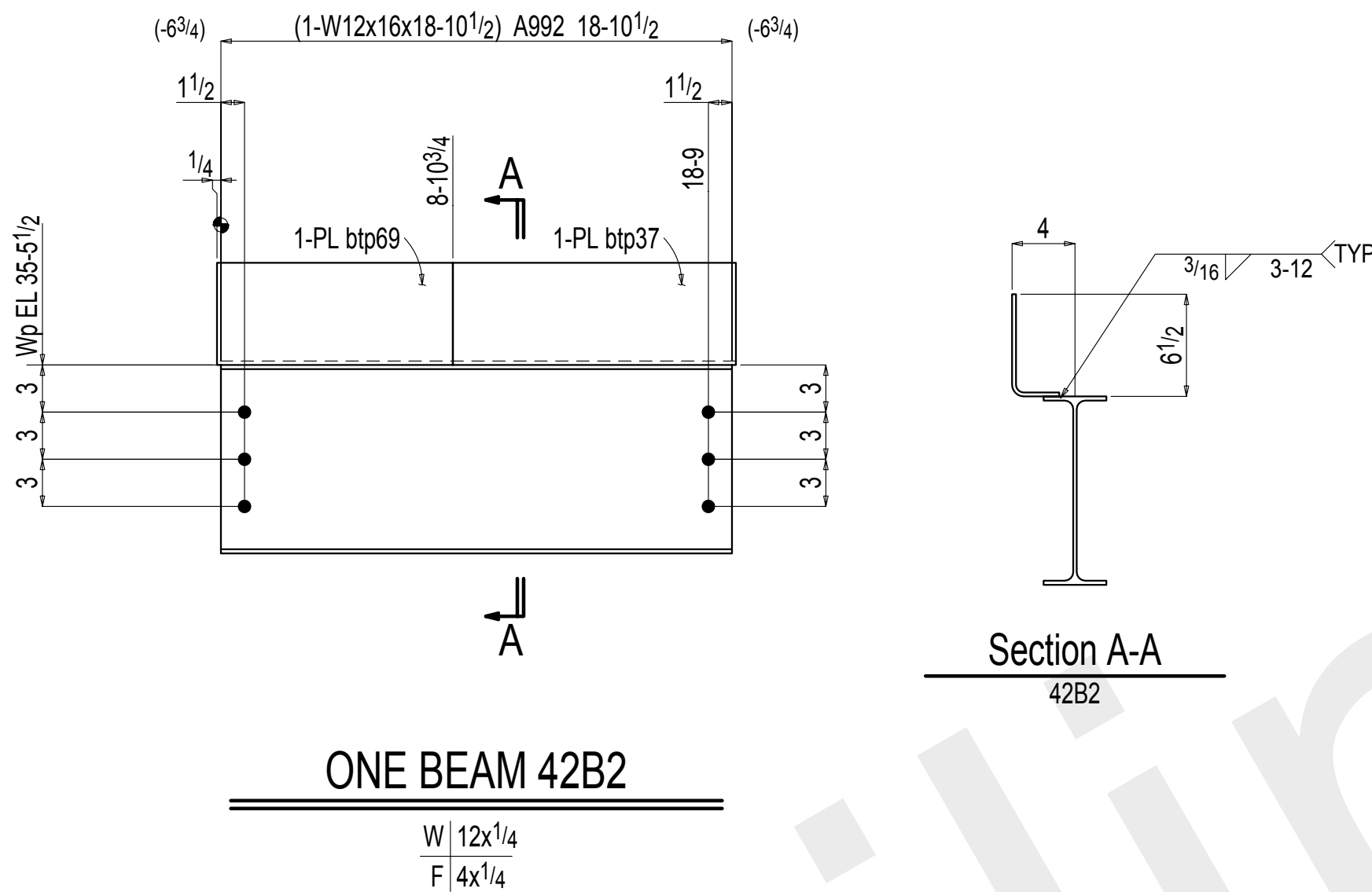
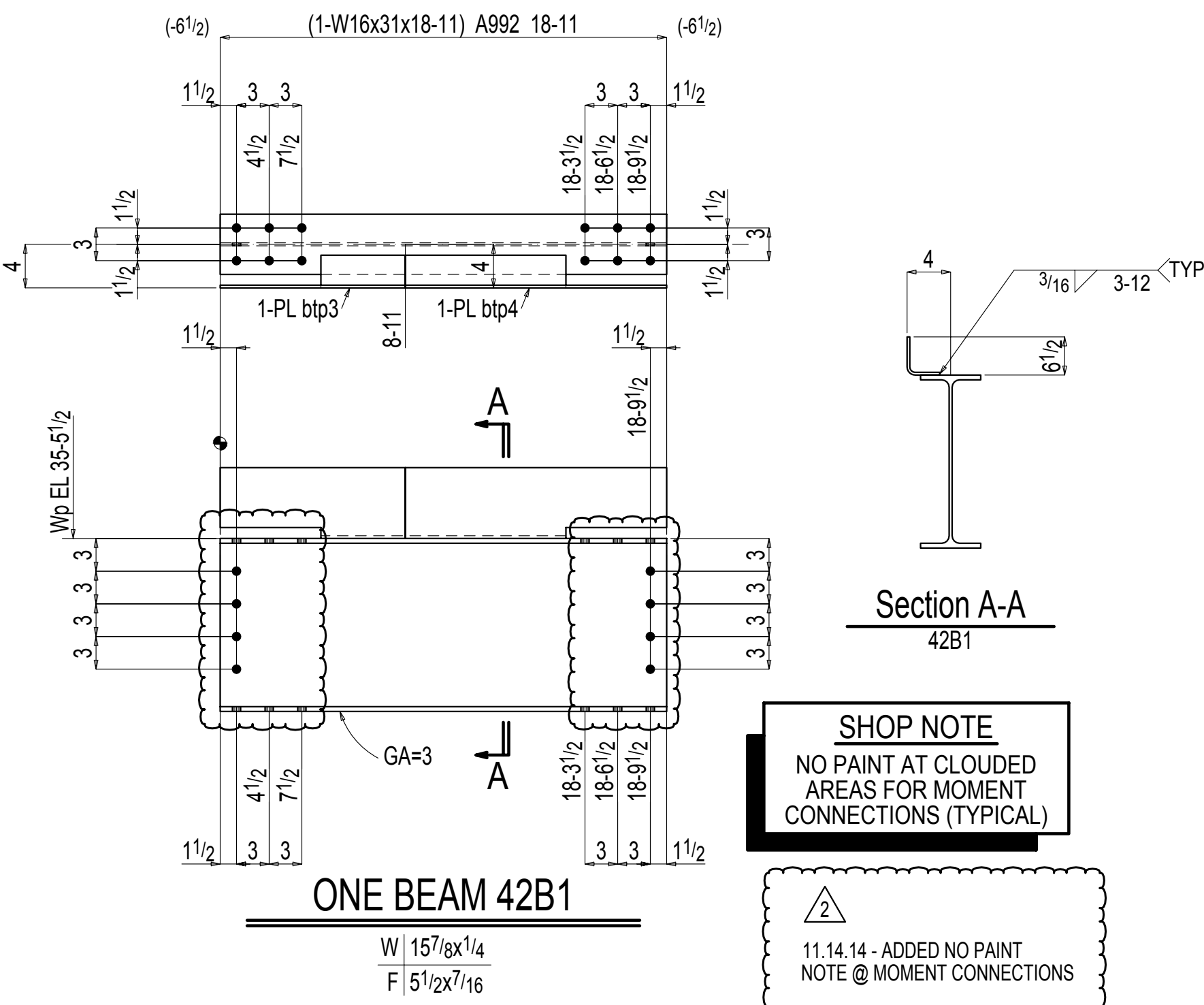
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY TDB
CHKD. BY -
DATE 8.13.14
SCALE

BEAM DETAILS

JOB# 14-68
SHEET# 41

REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



BILL OF MATERIAL

P	L	MARK	No.	REQD	Description	LENGTH	Weight	Remarks
			42B1		ONE BEAM		724	
			42B1	1	W16x31	18 11	585	
			btp4	1	BPL 1/4x9	10 0	74	BENT
			btp3	1	BPL 1/4x9	8 11	66	BENT
			42B2		ONE BEAM		446	
			42B2	1	W12x16	18 10 1/2	302	
			btp37	1	BPL 1/4x9	10 0	76	BENT
			btp69	1	BPL 1/4x9	8 11	68	BENT
			42B3		ONE BEAM		464	
			42B3	1	W12x16	19 4 1/2	310	
			a198	2	L3 1/2x3x5/16	0 5 1/2	6	
			btp37	1	BPL 1/4x9	10 0	76	BENT
			btp70	1	BPL 1/4x9	9 4 3/4	72	BENT
			42B4		ONE BEAM		390	
			42B4	1	W16x31	8 1 3/8	251	
			a106	2	L4x4x3/4	0 1 1/2	34	
			a101	2	L4x4x3/4	0 8 1/2	25	
			p94	1	PL 1/2x12	1 1 1/4	22	
			btp149	1	BPL 1/4x9	7 4 7/8	55	BENT
			fb100	1	FL 1/4x3	0 6 1/2	1	
					FIELD BOLTS			
				7	3/4 Dia A325N	0 2		+1HD WASH

2	Nov 14 2014	ADDED NO PAINT NOTE	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY	BEAM DETAILS		JOB# 14-68
CHKD. BY			SHEET# 42
DATE	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		

*MATERIAL: A36 UNLESS NOTED OTHERWISE

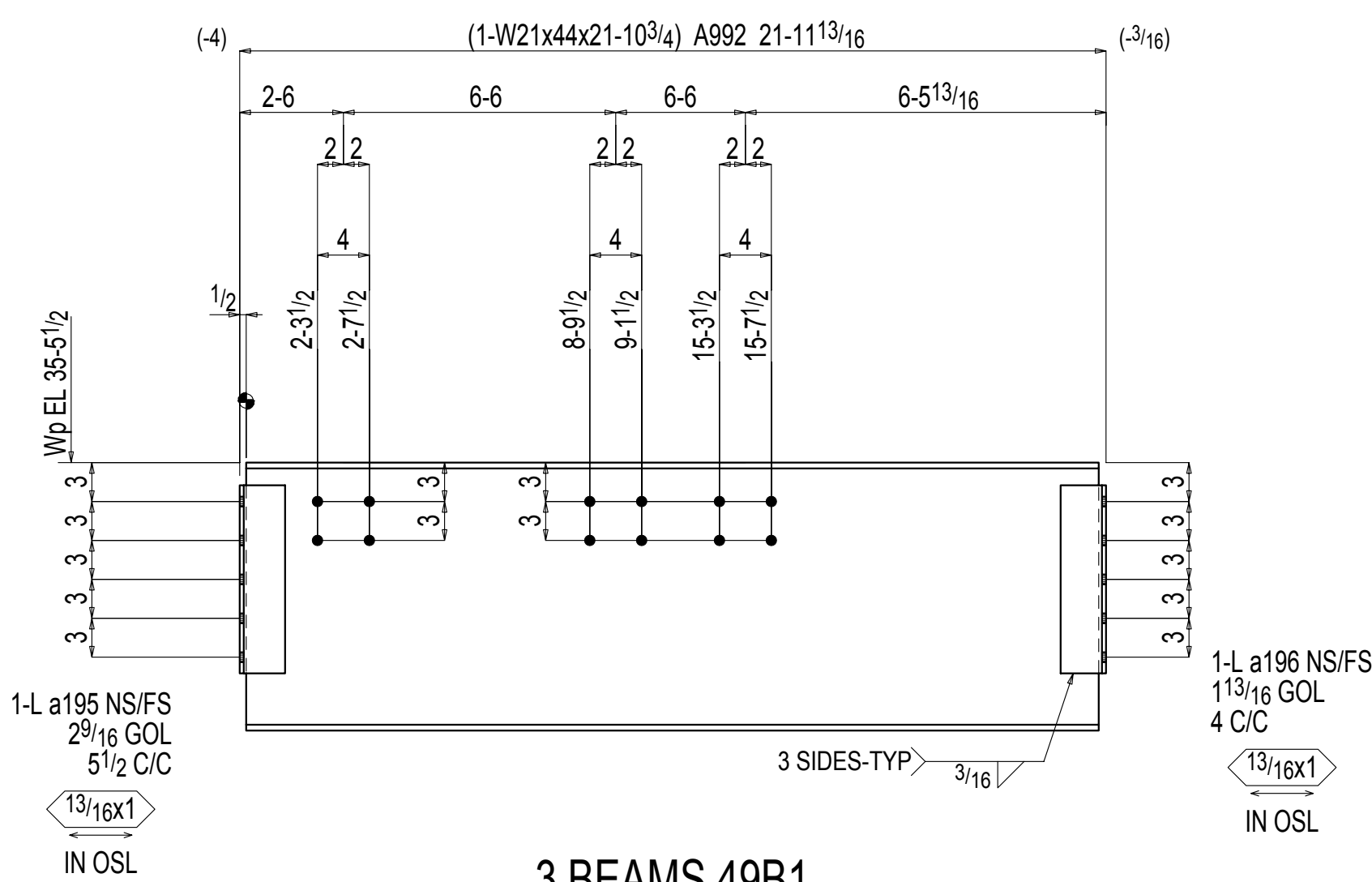
*HOLES: 13/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).

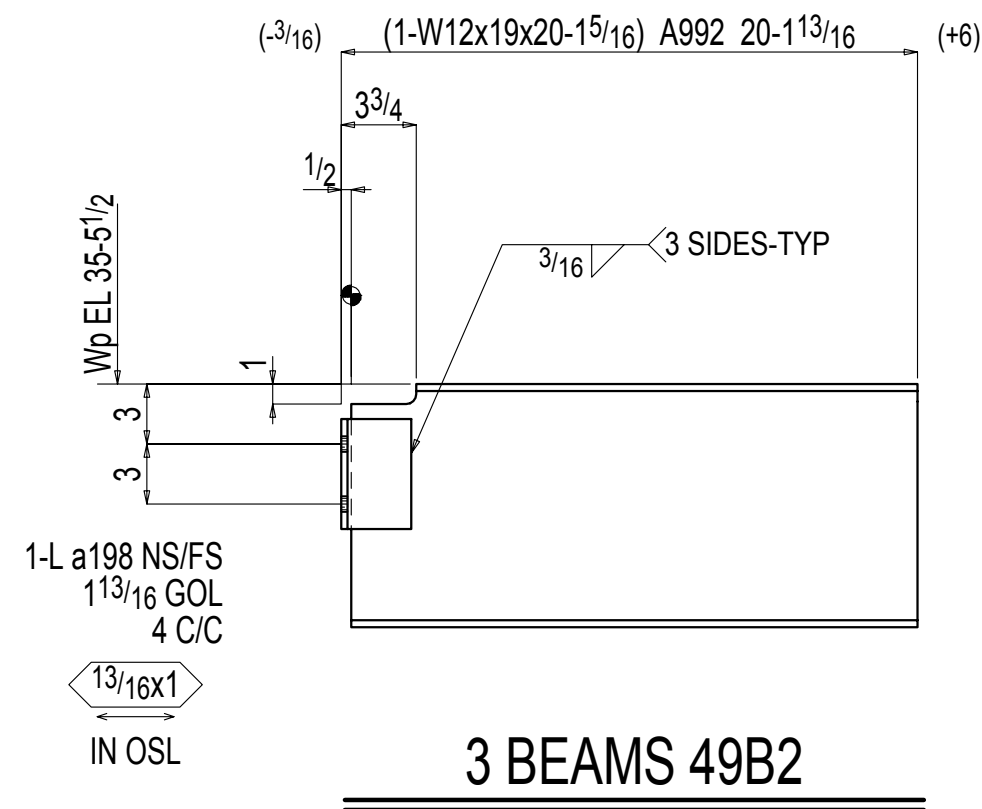
*SURFACE PREPARATION: SSPC-SP3



3 BEAMS 49B1

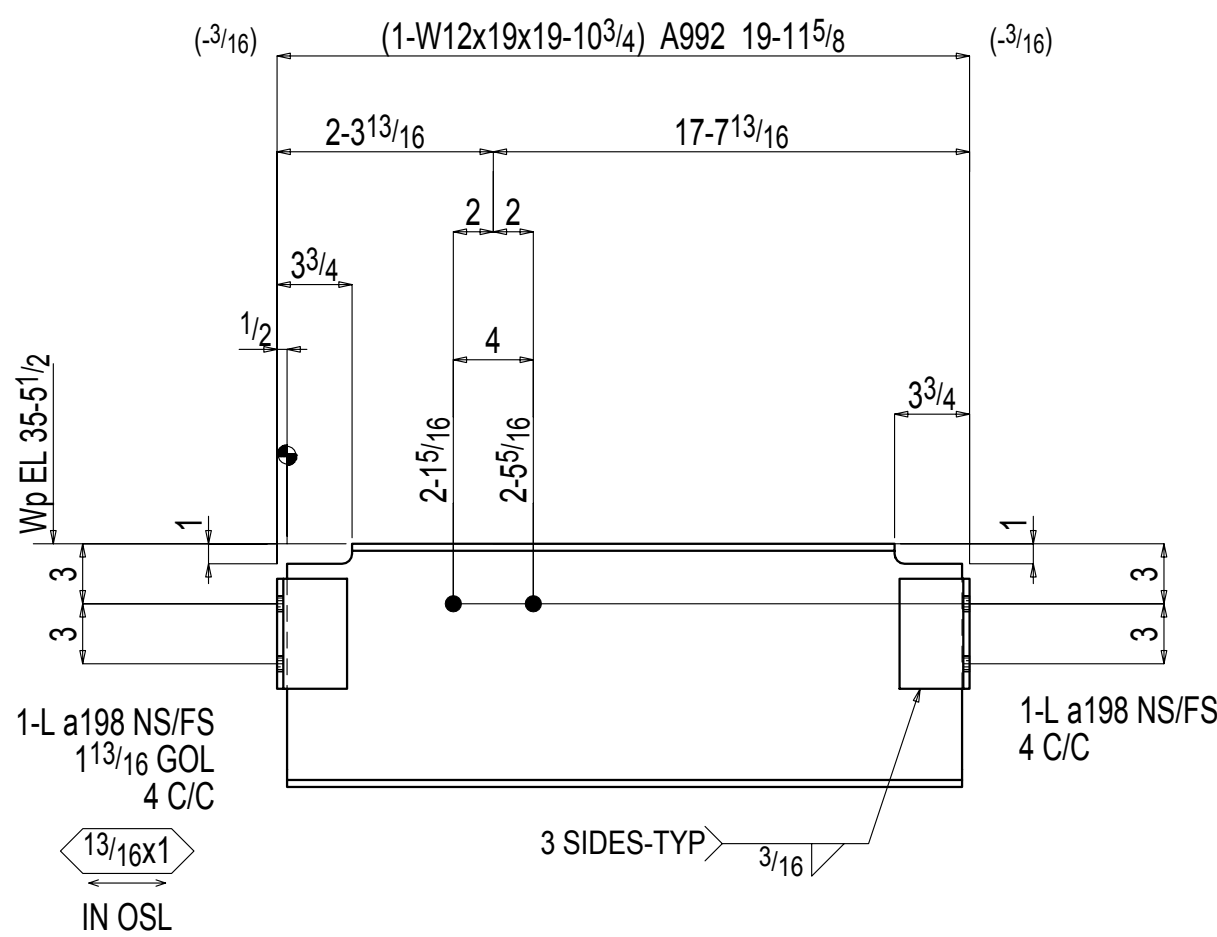
W | 20'1 1/16x3'8
F | 6'2x7'1/6

FIELD BOLTS:
12-3/4x2 A325N



3 BEAMS 49B2

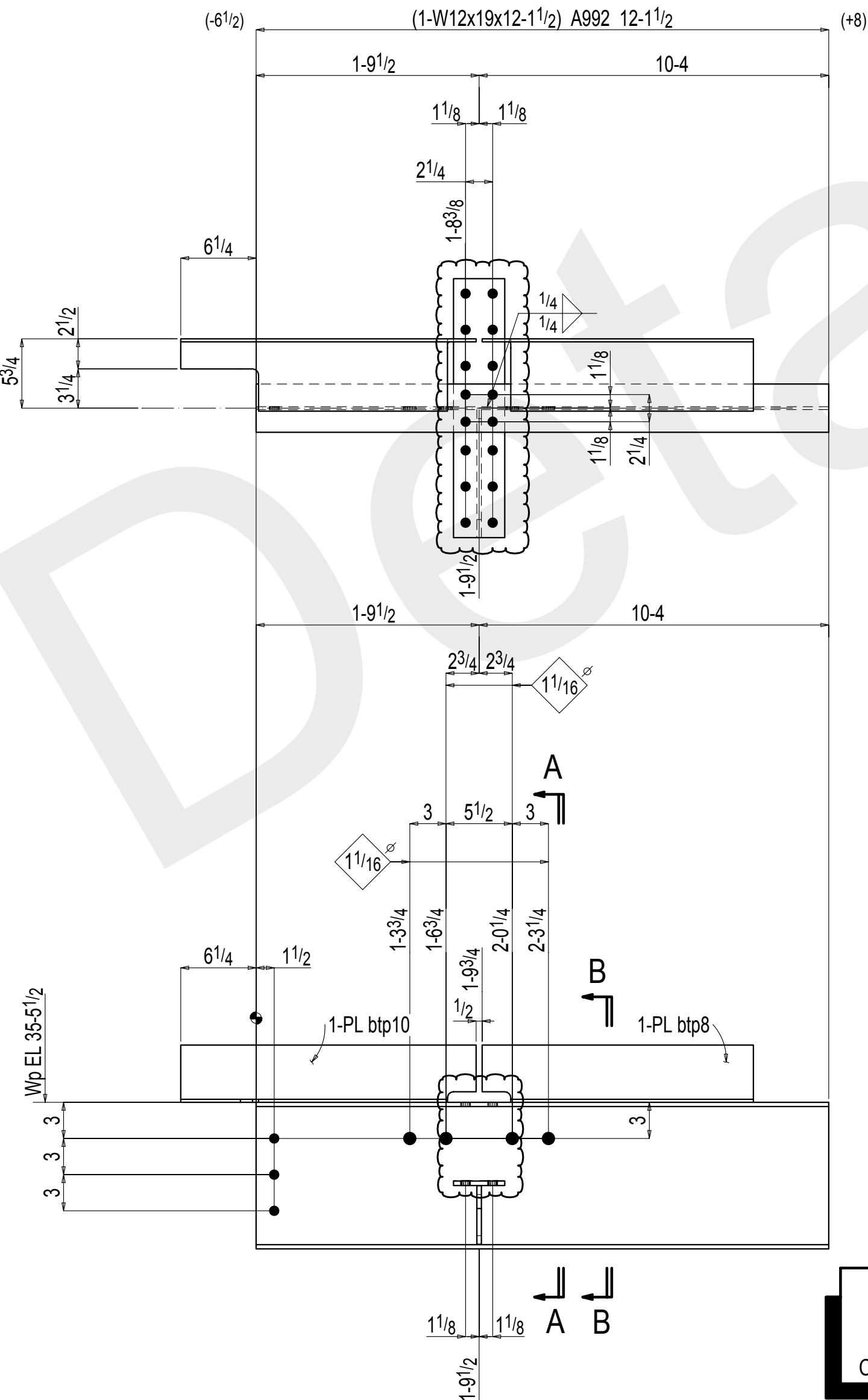
W | 12'3 1/16x1'4
F | 4x3'8



ONE BEAM 49B3

W | 12'3 1/16x1'4
F | 4x3'8

FIELD BOLTS:
2-3/4x2 A325N



ONE BEAM 49B4

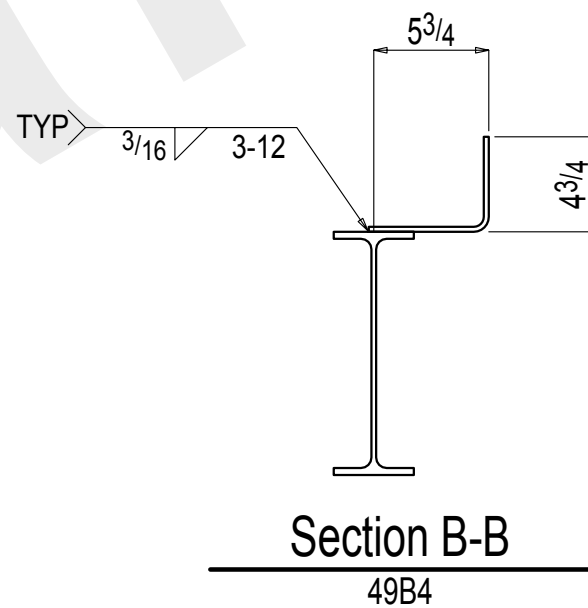
W | 12'3 1/16x1'4
F | 4x3'8

FIELD BOLTS:
6-3/4x2 1/2 A325SC
4-3/4x2 A325SC
2-1x2 1/2 A325N
2-1x2 A325N

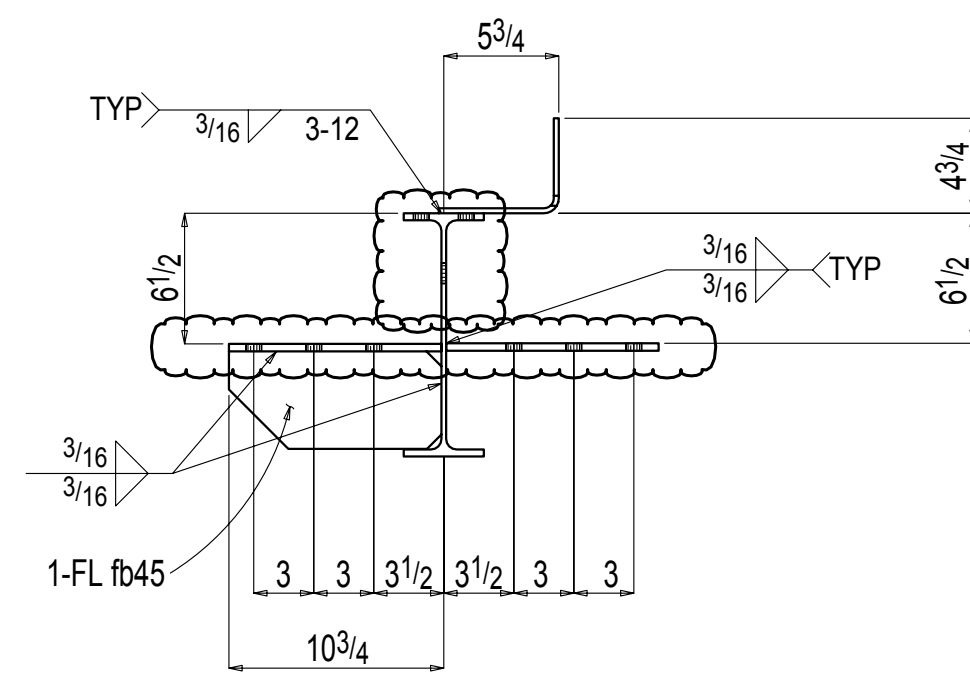
SHOP NOTE
NO PAINT AT CLOUDED
AREAS FOR MOMENT
CONNECTIONS (TYPICAL)



11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS



Section B-B
49B4



Section A-A
49B4

BILL OF MATERIAL

P	L	MARK	No.	REQD	Description	LENGTH	Weight	Remarks
						FT IN	Total	
		49B1	3	BEAM			2989	
		49B1	3	W21x44		21 10 3/4	2888	
		a195	6	L4x3 1/2x5 5/16		1 2 1/2	54	
		a196	6	L3 1/2x3x5 5/16		1 2 1/2	46	
				FIELD BOLTS				
			36	3/4 Dia A325N		0 2		+1HD WASH
		49B2	3	BEAM			1159	
		49B2	3	W12x19		20 15 1/16	1142	
		a198	6	L3 1/2x3x5 5/16		0 5 1/2	17	
				FIELD BOLTS				
			2	3/4 Dia A325N		0 2		+1HD WASH
		49B3	ONE BEAM				386	
		49B3	1	W12x19		19 10 3/4	375	
		a198	4	L3 1/2x3x5 5/16		0 5 1/2	12	
				FIELD BOLTS				
			2	3/4 Dia A325N		0 2		+1HD WASH
		49B4	ONE BEAM				344	
		49B4	1	W12x19		12 1 1/2	230	
		fb45	1	FL3 8x4 7/8		0 10 5/8	5	
		p36	2	PL3 8x4 1/4		0 10 5/8	9	
		btp8	1	BPL1 4x10 1/4		9 7 1/2	83	BENT
		btp10	1	BPL1 4x10 1/4		2 3 1/2	17	BENT
				FIELD BOLTS				
			2	1 Dia A325N		0 2 1/2		+1HD WASH
			2	1 Dia A325N		0 2		+1HD WASH
			6	3/4 Dia A325SC		0 2 1/2		+1HD WASH
			4	3/4 Dia A325SC		0 2		+1HD WASH

REV	DATE	DESCRIPTION	BY
2	Nov 14 2014	ADDED NO PAINT NOTE	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB

REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART			
ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS	JOB# 14-68	
CHK'D. BY -		SHEET# 49	
DATE 8.13.14		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	
SCALE			

*MATERIAL: A36 UNLESS NOTED OTHERWISE

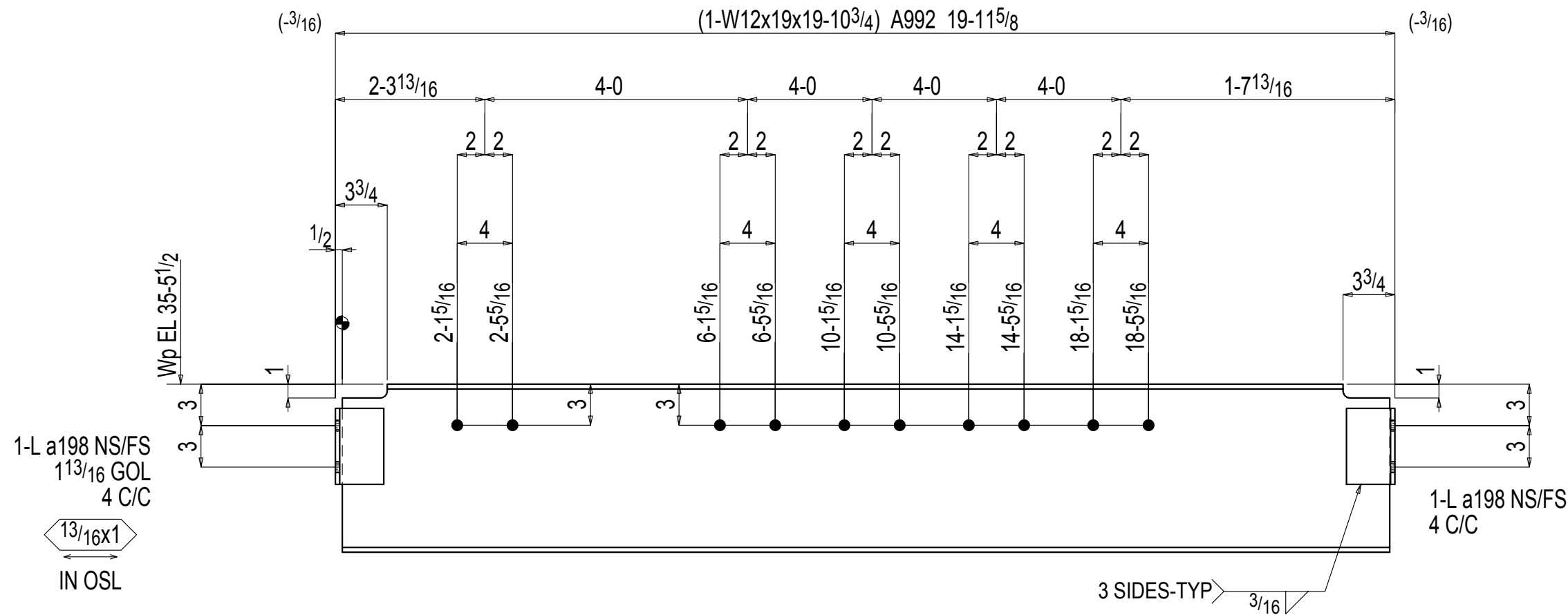
*HOLES: 13 1/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mills).

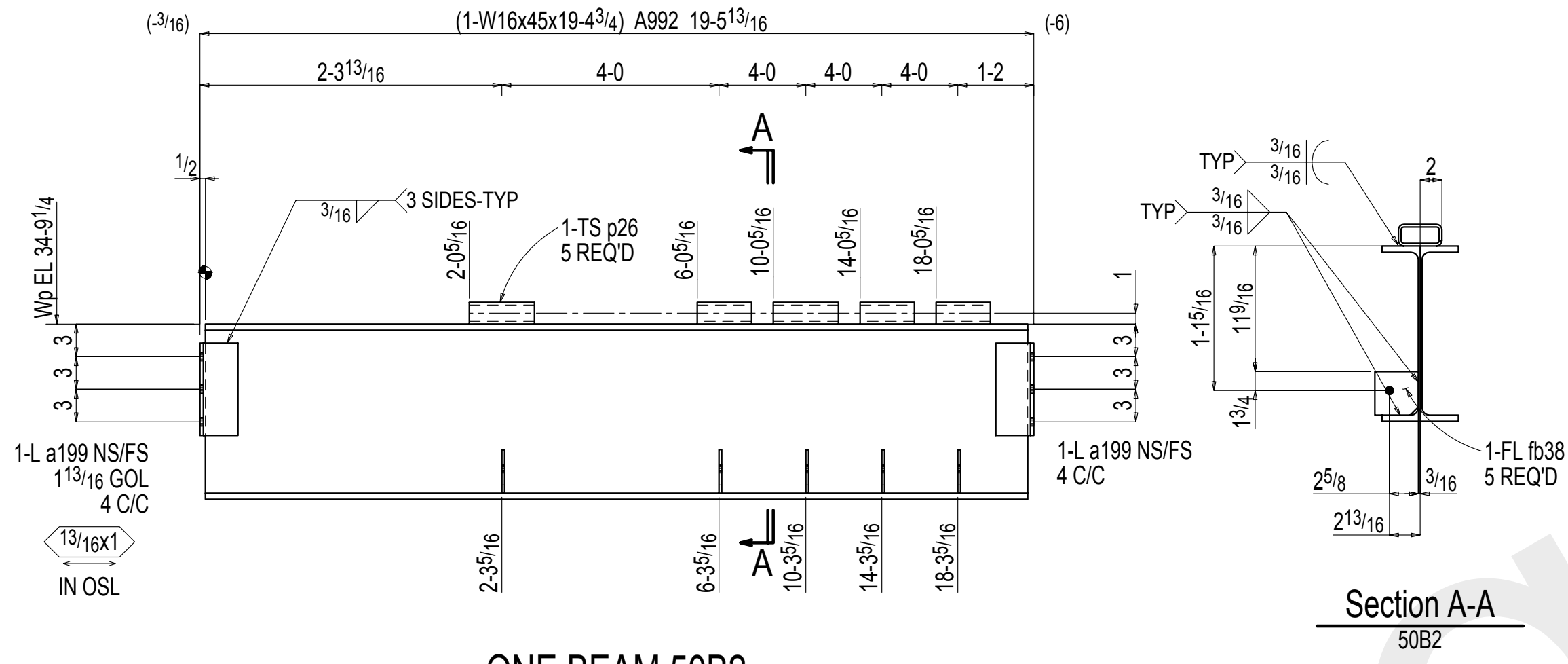
*SURFACE PREPARATION: SSPC-SP3



ONE BEAM 50B1

W 12 3/16 x 1 1/4
F 4 x 3/8

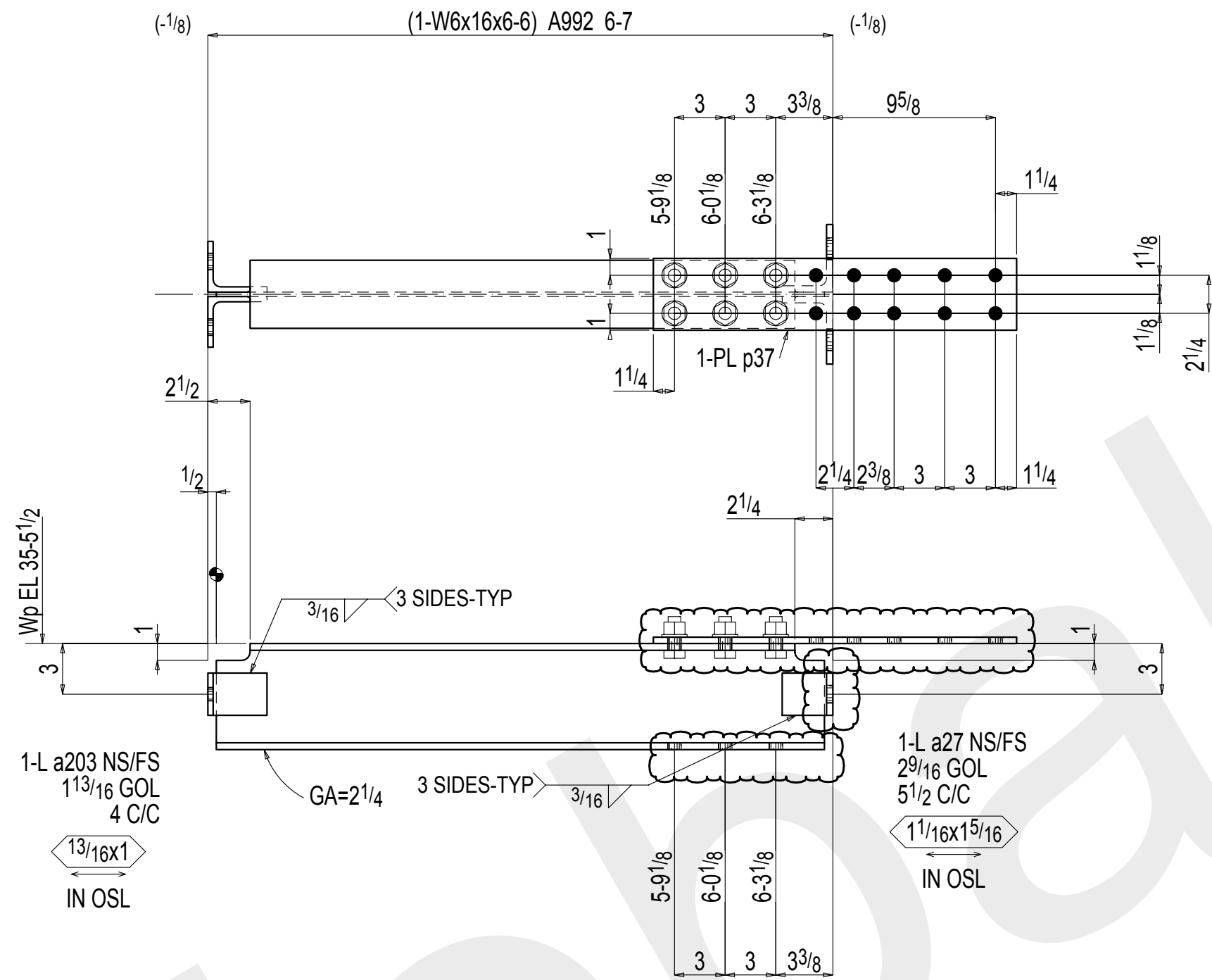
FIELD BOLTS:
10-3/4 x 2 A325N



ONE BEAM 50B2

W 16 1/8 x 3/8
F 7 1/16 x 9/16

FIELD BOLTS:
5-3/4 x 2 A325N



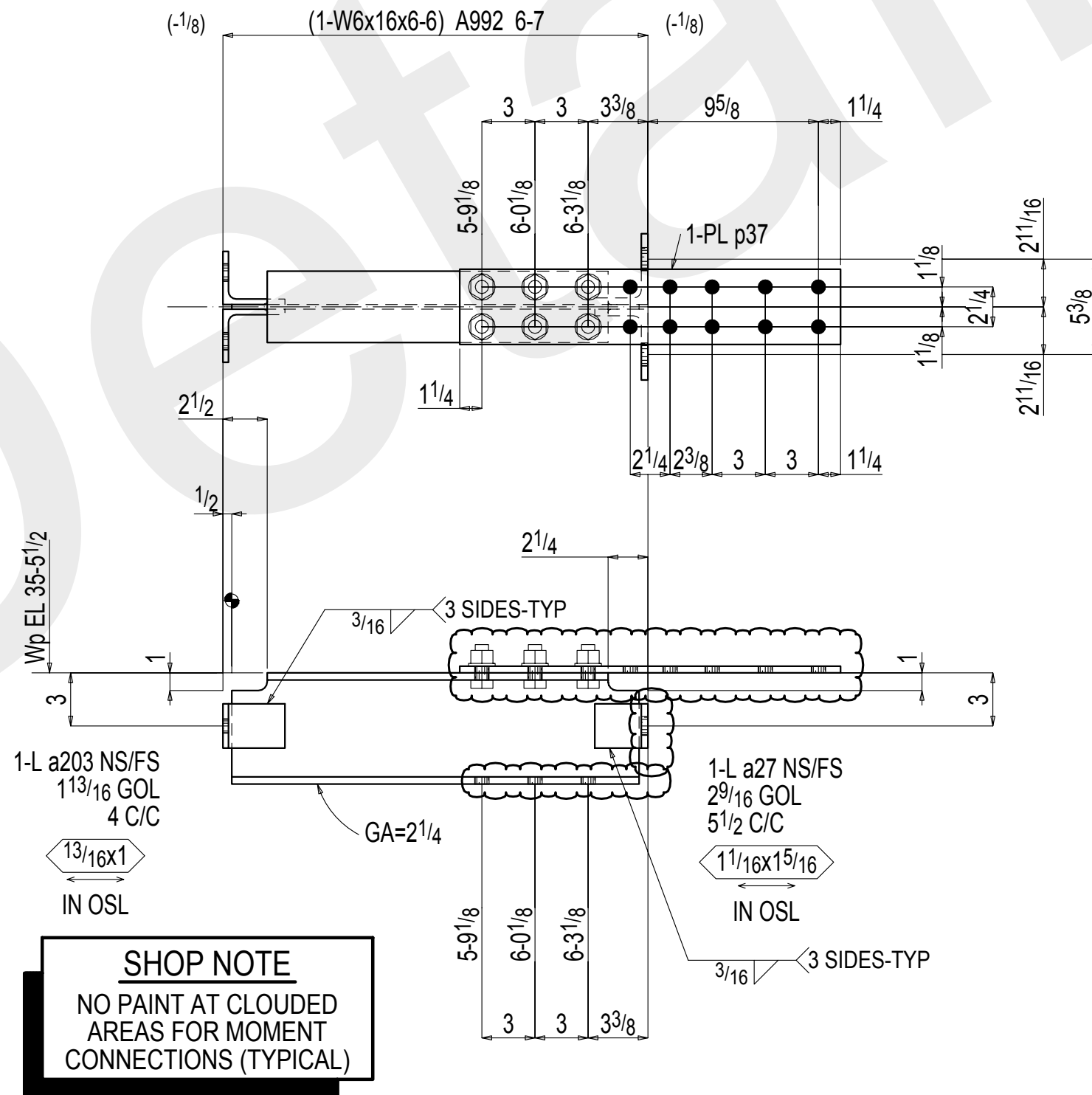
ONE BEAM 50B3

SHOP BOLTS:
6-3/4 x 2 A325SC

W 6 1/4 x 1 1/4
F 4 x 3/8

SHOP NOTE
NO PAINT AT CLOUDED
AREAS FOR MOMENT
CONNECTIONS (TYPICAL)

11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS



ONE BEAM 50B4

W 6 1/4 x 1 1/4
F 4 x 3/8

FIELD BOLTS:
6-3/4 x 2 1/2 A325N

SHOP BOLTS:
6-3/4 x 2 A325SC

11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS



*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 1 3/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).

*SURFACE PREPARATION: SSPC-SP3



DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

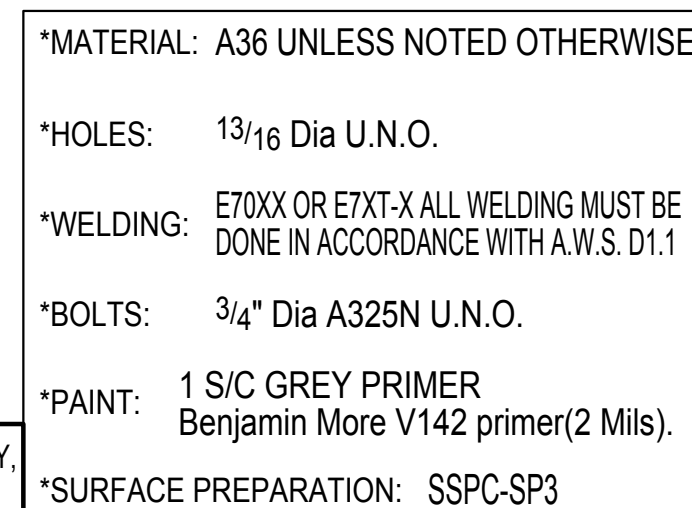
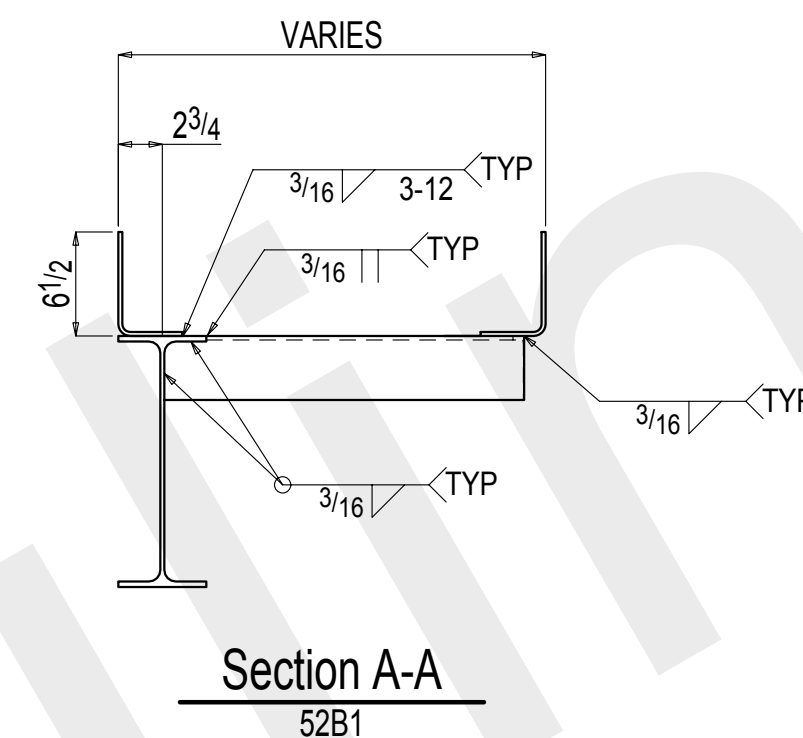
BILL OF MATERIAL

P	L	MARK	No.	Description	LENGTH	Weight	Remarks
			REQD		FT	IN	Total
			50B1	ONE BEAM			386
			50B1	1 W12x19	19	10 3/4	375
			a198	4 L3 1/2 x 3 x 5/16	0	5 1/2	12
				FIELD BOLTS			
			10	3/4 Dia A325N	0	2	+1HD WASH
			50B2	ONE BEAM			918
			50B2	1 W16x45	19	4 3/4	873
			p26	5 HSS4x2x1/4	0	6	22
			a199	4 L3 1/2 x 3 x 5/16	0	8 1/2	18
			fb38	5 FL 1/4 x 4	0	4	5
				FIELD BOLTS			
			5	3/4 Dia A325N	0	2	+1HD WASH
			50B3	ONE BEAM			120
			50B3	1 W6x16	6	6	101
			a27	2 L4x3x3/8	0	2 1/2	3
			a203	2 L3 1/2 x 3 x 5/16	0	2 1/2	3
			p37	1 PL 3/8 x 4 1/4	1	9 1/2	9
			6	3/4 Dia A325SC	0	2	4 +1HD WASH
				FIELD BOLTS			
			6	3/4 Dia A325N	0	2 1/2	+1HD WASH
			50B4	ONE BEAM			120
			50B4	1 W6x16	6	6	101
			a27	2 L4x3x3/8	0	2 1/2	3
			a203	2 L3 1/2 x 3 x 5/16	0	2 1/2	3
			p37	1 PL 3/8 x 4 1/4	1	9 1/2	9
			6	3/4 Dia A325SC	0	2	4 +1HD WASH
				FIELD BOLTS			
			6	3/4 Dia A325N	0	2 1/2	+1HD WASH

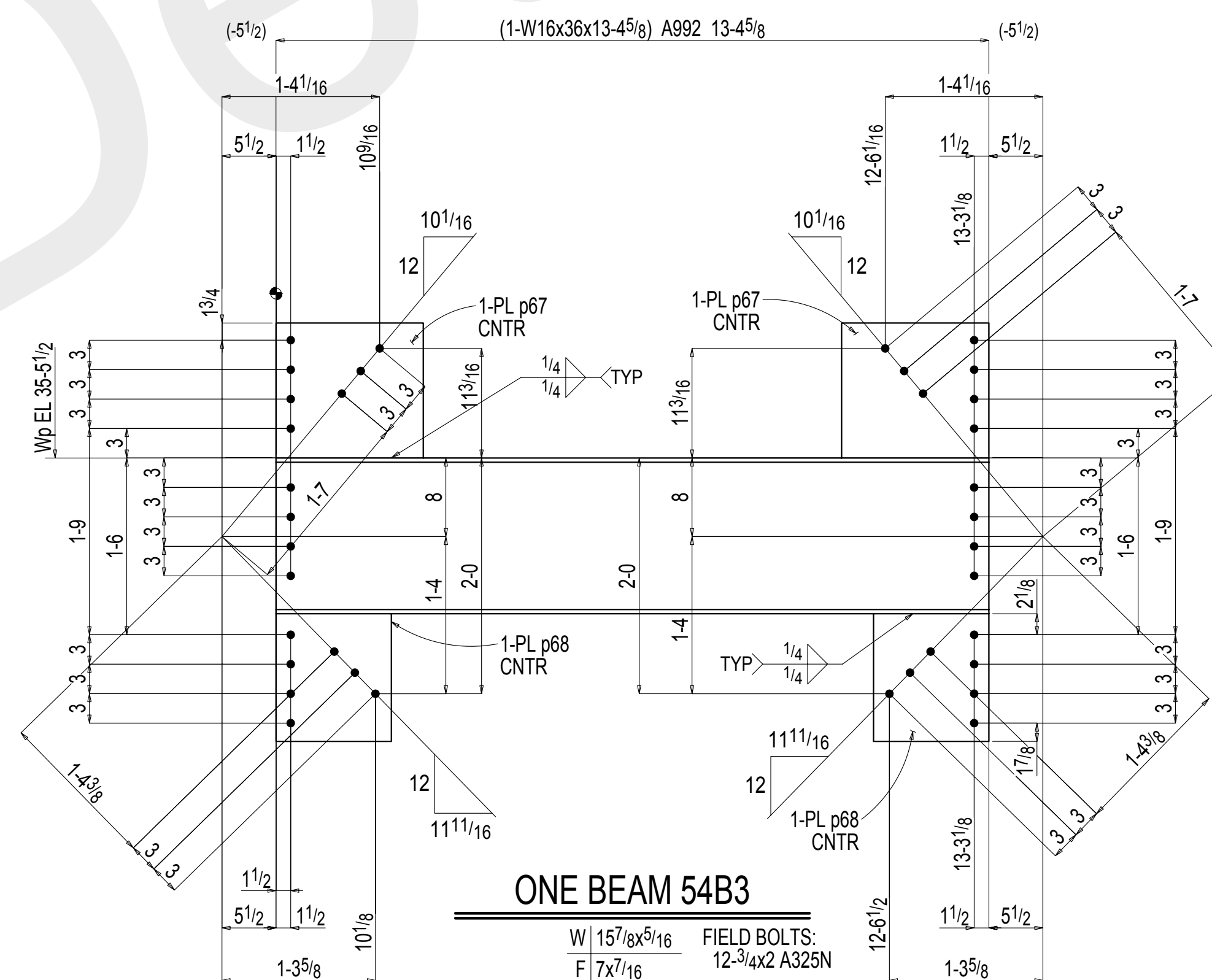
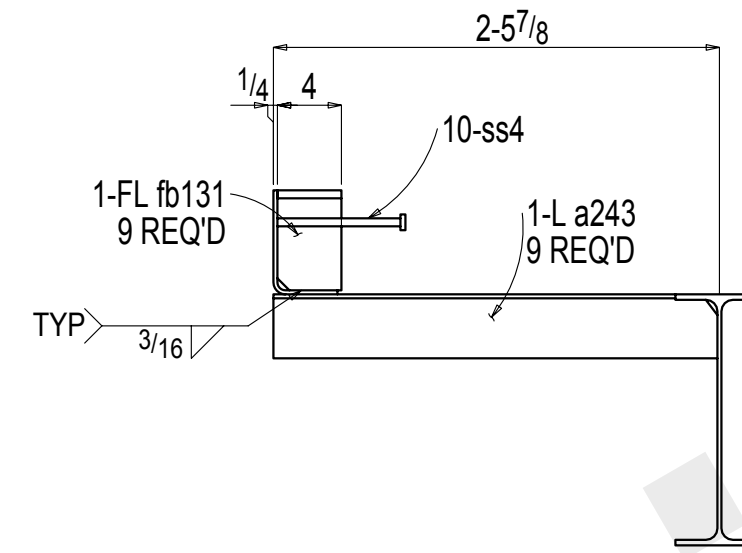
2	Nov 14 2014	ADDED NO PAINT NOTE	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

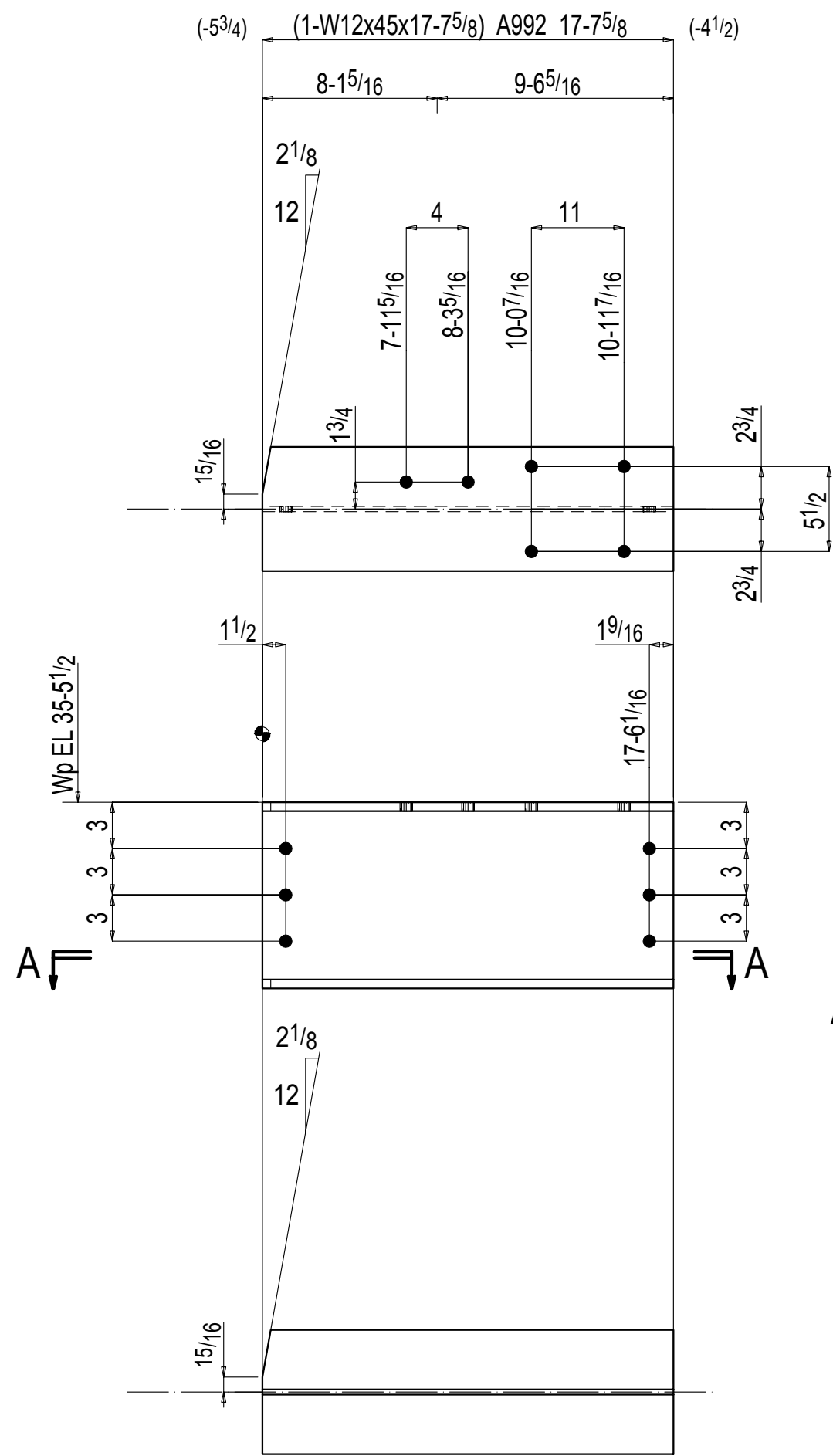
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY		
DRAWN BY TDB	BEAM DETAILS	JOB# 14-68
CHK'D. BY -		SHEET# 50
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	
SCALE		



1	Oct 8 2014	FABRICATION			TDB
A	Aug 27 2014	APPROVAL			TDB
REV	DATE	DESCRIPTION			BY
REVISIONS					
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY					
DRAWN BY TDB		BEAM DETAILS		JOB# 14-68	
CHK'D. BY -				SHEET# 52	
DATE 8.13.14		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701			
SCALE					



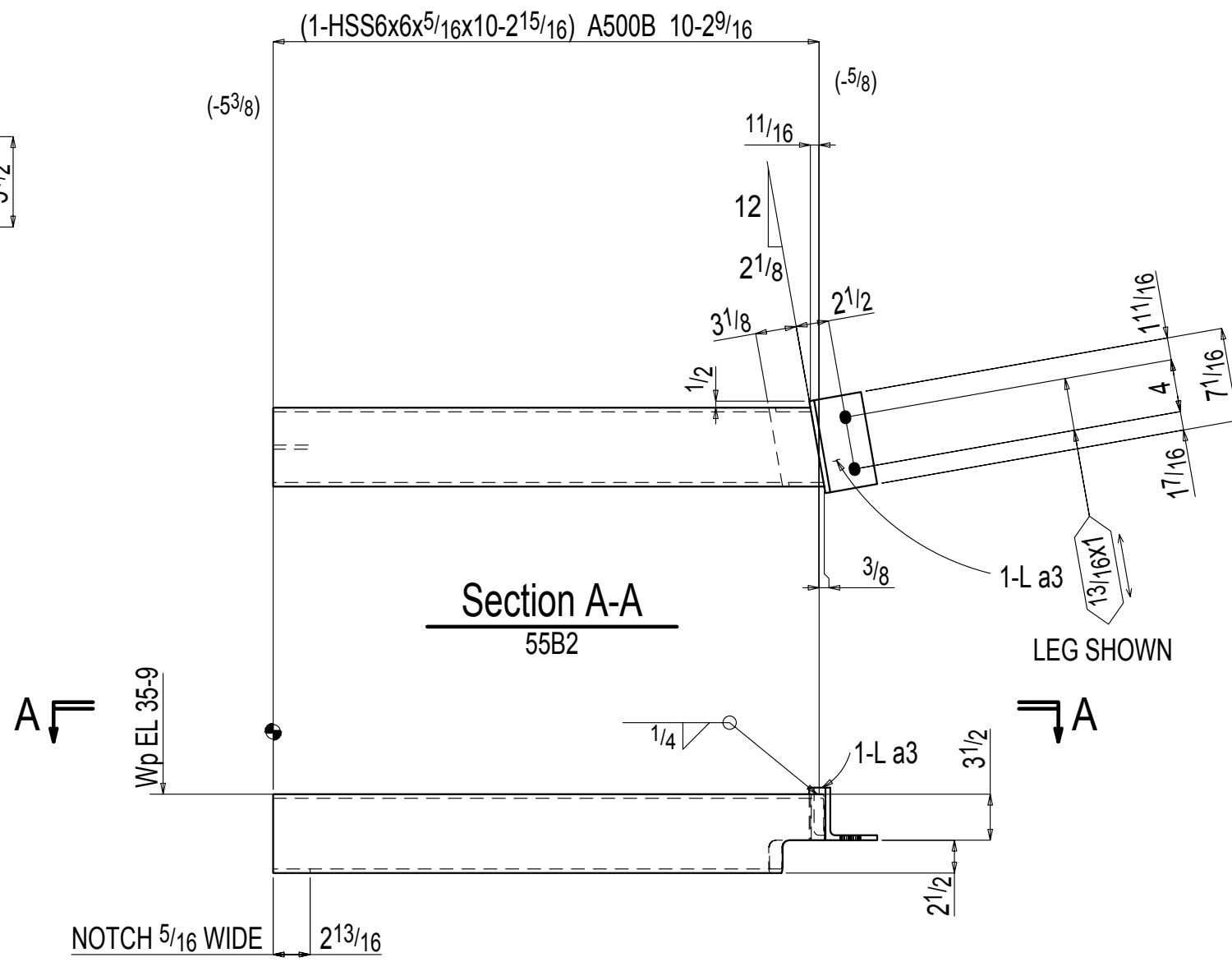
REYNOLDS IRON WORKS, INC
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



Section A-A
55B1

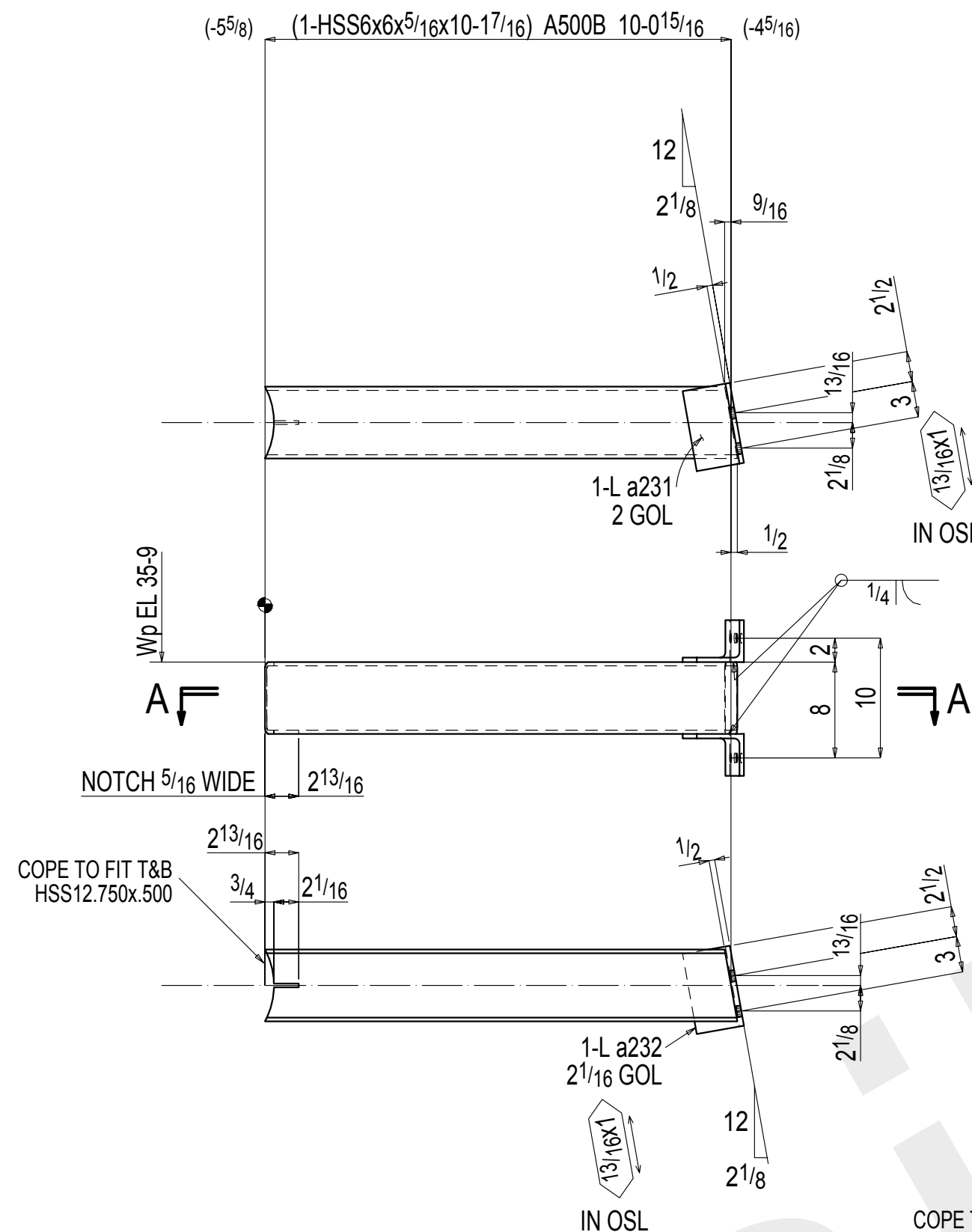
ONE BEAM 55B1

W 12 1/16x5 1/16 FIELD BOLTS:
F 8 1/16x3 9/16 6-3/4x2 A325N



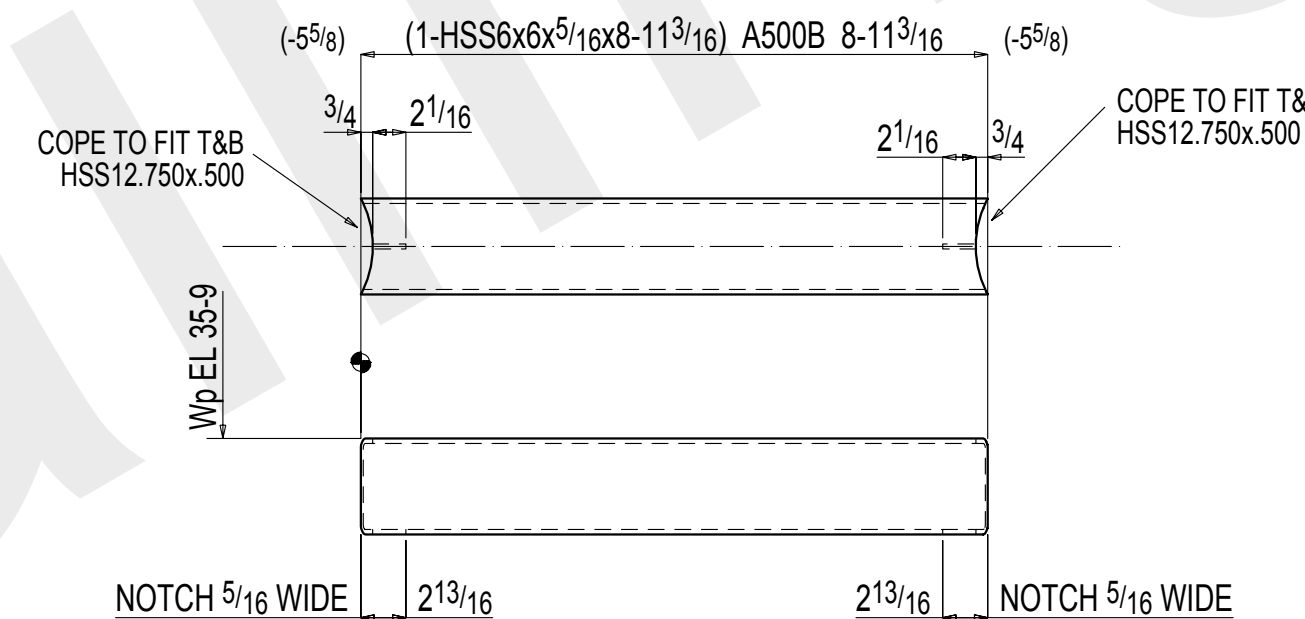
Section A-A
55B2

ONE BEAM 55B2

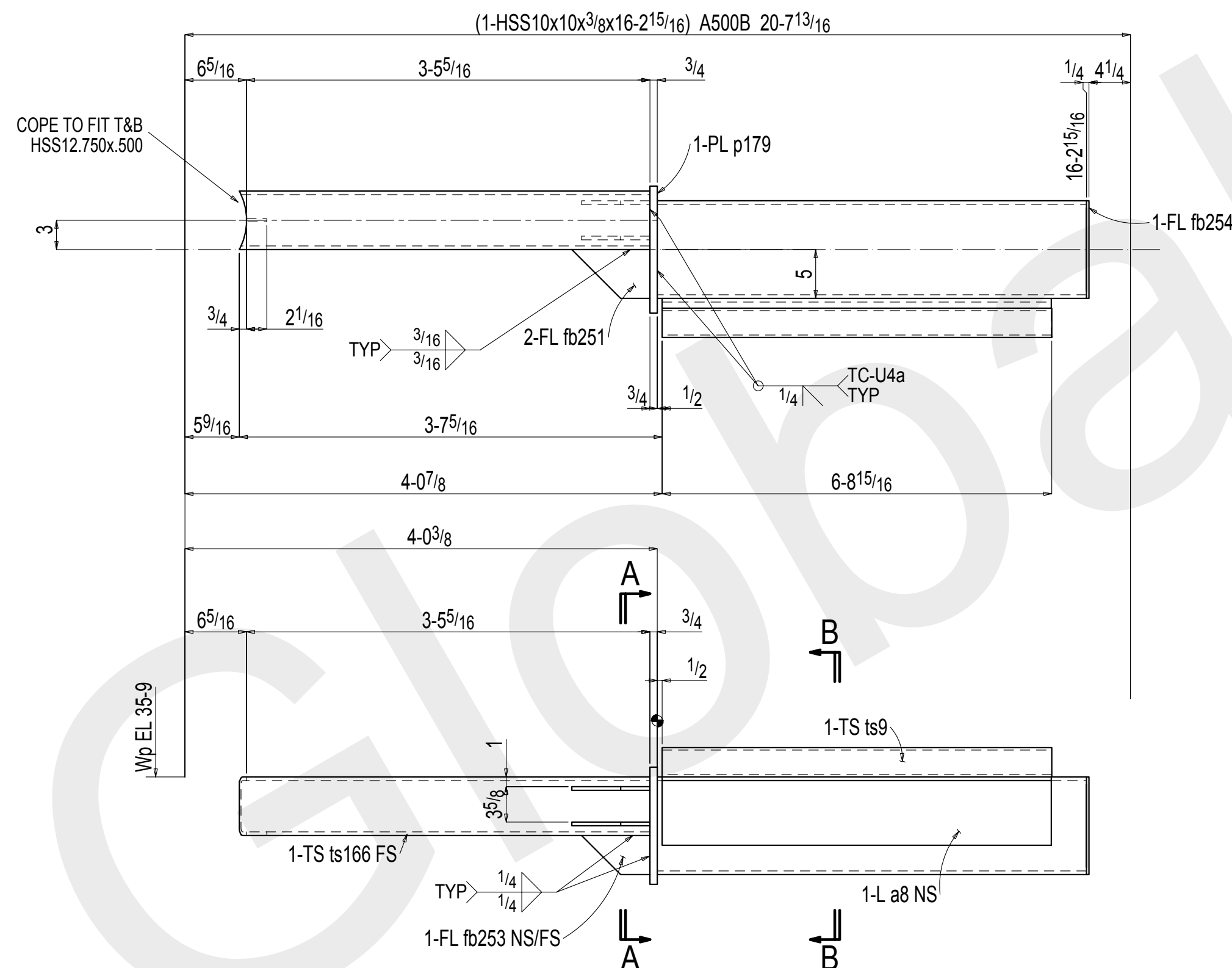


Section A-A
55B3

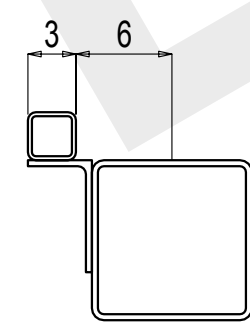
ONE BEAM 55B3



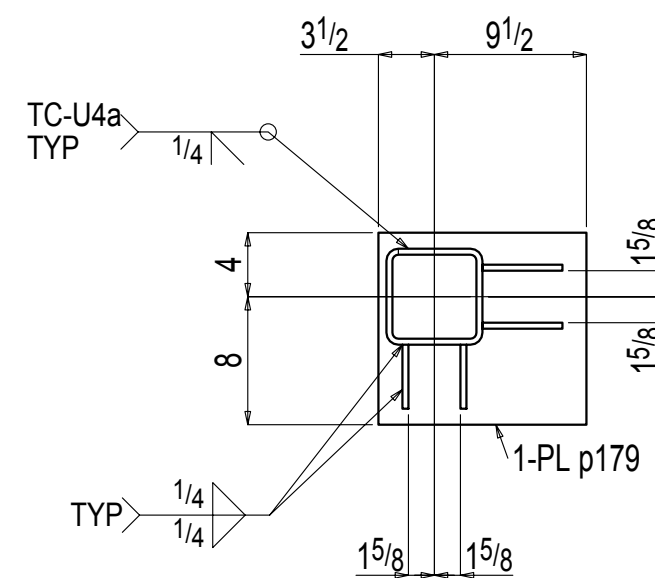
ONE BEAM 55B4



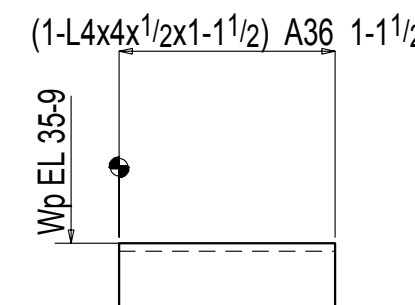
ONE BEAM 55B5



Section B-B
55B5



Section A-A
55B5



ONE ANGLE 55A1

SHOP NOTE:
TOE DIRECTION FAR SIDE



*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 13/16 Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: 3/4" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mills).
*SURFACE PREPARATION: SSPC-SP3



DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

BILL OF MATERIAL

P	L	MARK	No.	REQ'D	Description	LENGTH	Weight	Remarks
			55B1	ONE BEAM			793	
			55B1	1	W12x45	17	7 5/8	793
				FIELD BOLTS				
				6	3/4 Dia A325N	0	2	+1HD WASH
			55B2	ONE BEAM			241	
			55B2	1	HSS6x6x5 1/16	10	2 15/16	235
			a3	1	L4x4x3/8	0	7 1/8	6
			55B3	ONE BEAM			245	
			55B3	1	HSS6x6x5 1/16	10	17/16	235
			a231	1	L4x3 1/2x3/8	0	6 3/4	5 B1E
			a232	1	L4x3 1/2x3/8	0	6 3/4	5 B1E
			55B4	ONE BEAM			207	
			55B4	1	HSS6x6x5 1/16	8	11 3/16	207
			55B5	ONE BEAM			1075	
			55B5	1	HSS10x10x3/8	16	2 15/16	778
			ts166	1	HSS6x6x3/8	3	6 1/16	96
			ts9	1	HSS3x3x1/4	6	8 15/16	59
			a8	1	L7x4x3/8	6	8 7/8	92
			p179	1	PL 3/4x12	1	1	33
			fb251	2	FL 3/8x5	0	8	6
			fb253	2	FL 3/8x4	0	7	4
			fb254	1	FL 1/4x10	0	10	7
			55A1	ONE ANGLE			14	
			55A1	1	L4x4x1/2	1	1 1/2	14

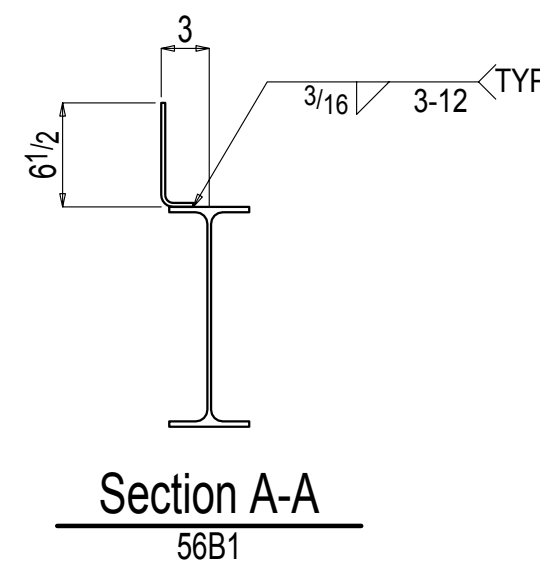
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

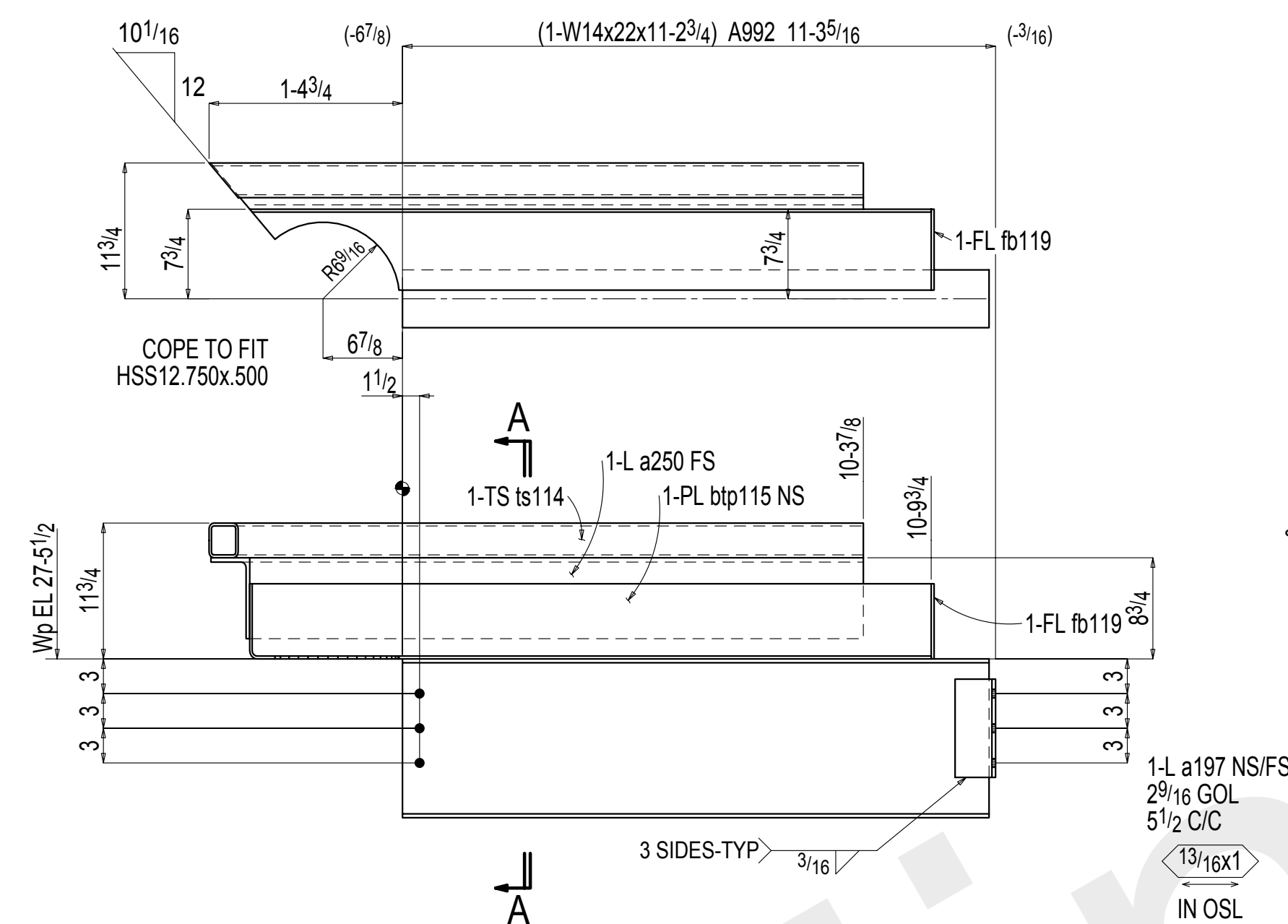
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY TDB	BEAM DETAILS	JOB# 14-68
CHKD. BY -		SHEET# 55

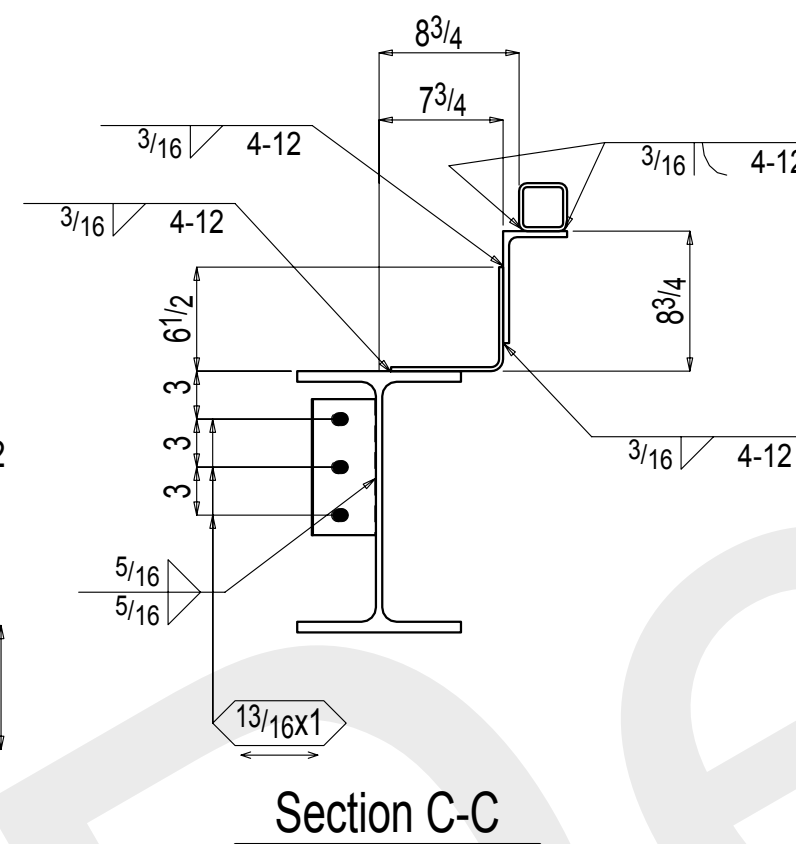
REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



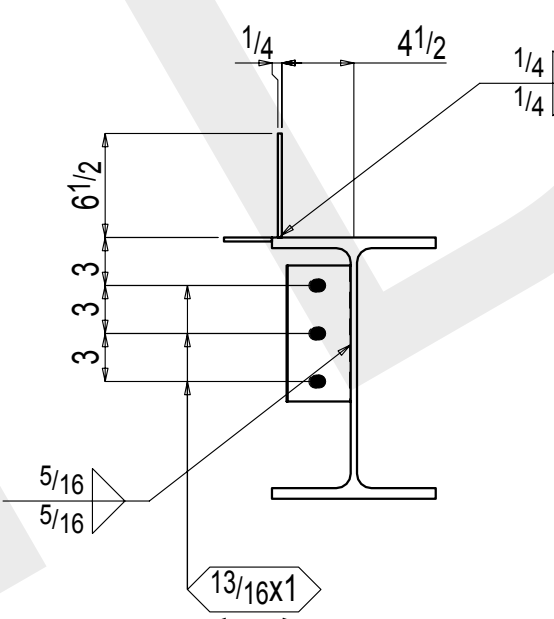
W	13 ³ / ₄ x1 ¹ / ₄	FIELD BOLTS: 10-3/4x2 A325N
F	5x5 ⁵ / ₁₆	



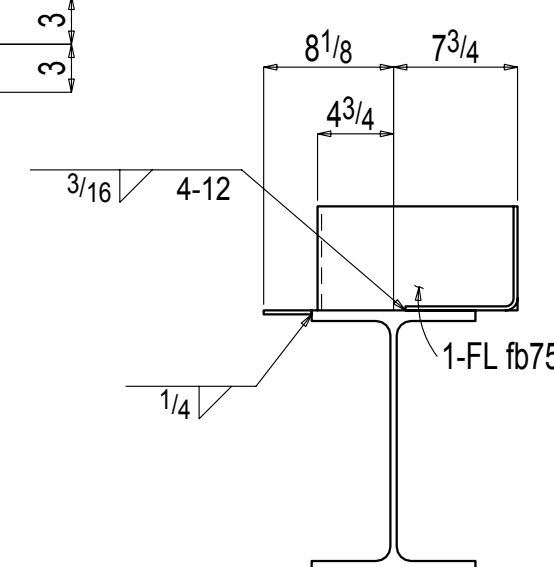
W	$13\frac{3}{4}x^{1/4}$
F	$5x^{5/16}$



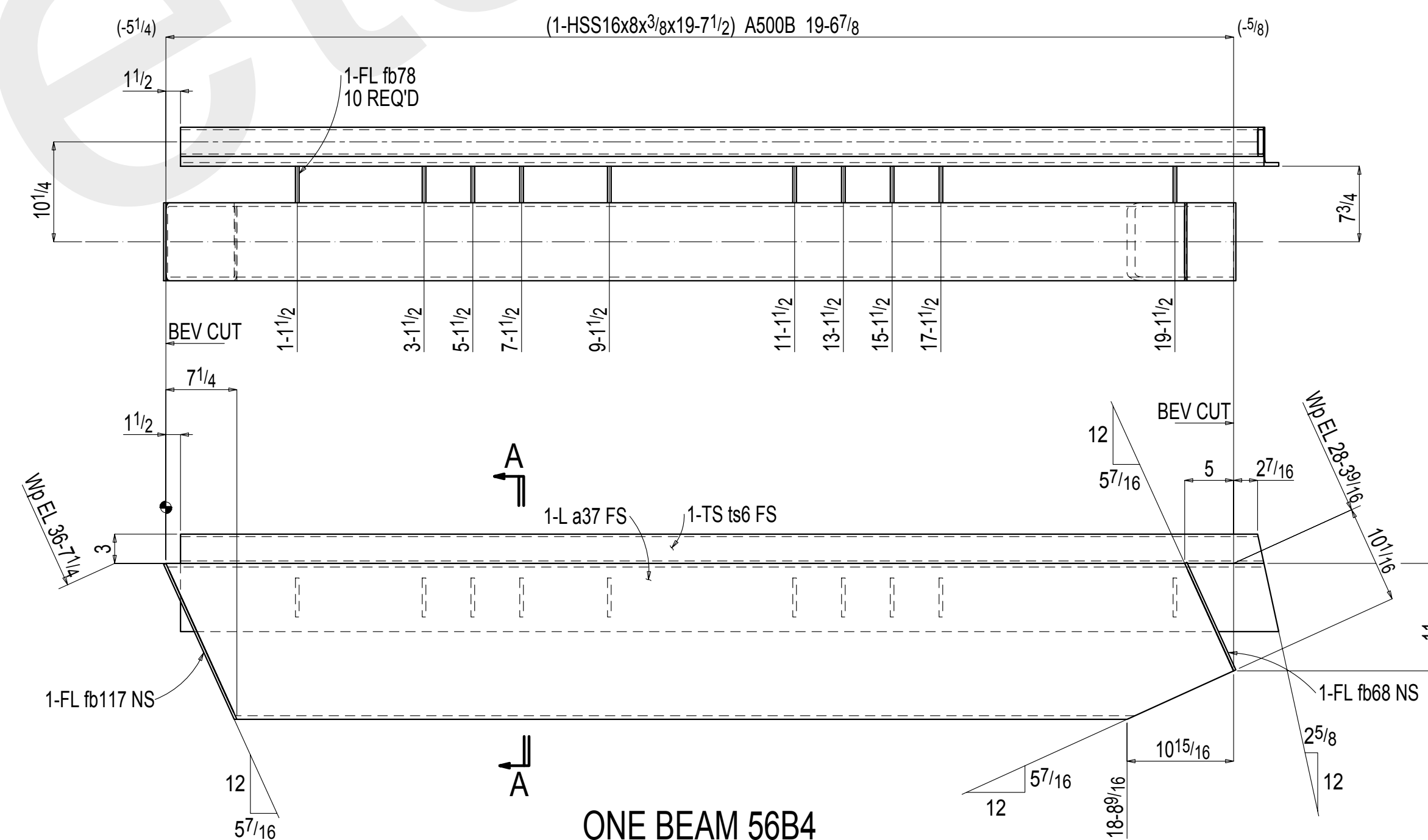
56B3



56B3



56B3



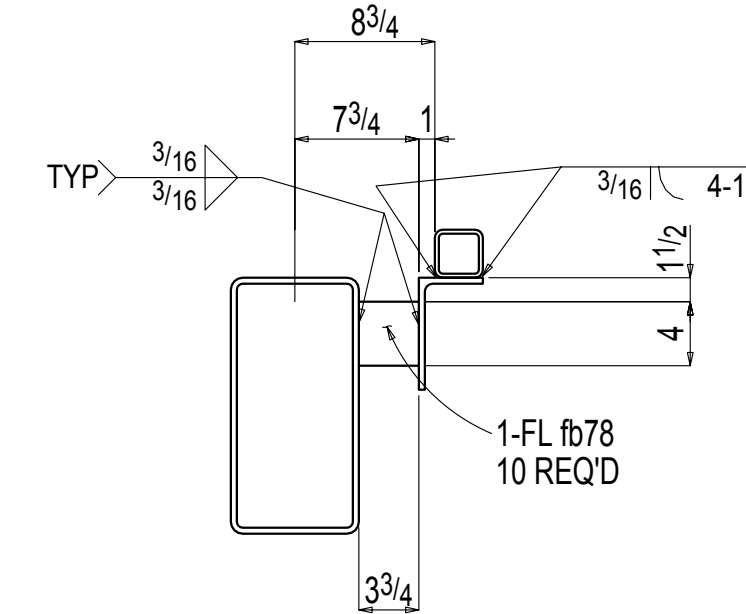
56B4 ☐

Diagram showing the elevation view of a door assembly with dimensions and components:

- Overall width: $8\frac{3}{4}$
- Distance from left edge to center of handle: $7\frac{3}{4}$
- Distance from center of handle to right edge: 1
- Distance from left edge to center of lock: $3\frac{1}{16}$
- Distance from center of lock to right edge: $4-1$
- Distance from center of lock to center of handle: $1\frac{1}{2}$
- Distance from center of handle to bottom edge: 4
- Distance from center of handle to bottom edge (total): $3\frac{3}{4}$
- Component: 1-FL fb78 10 REQ'D
- Component: TYP $\frac{3}{16}$

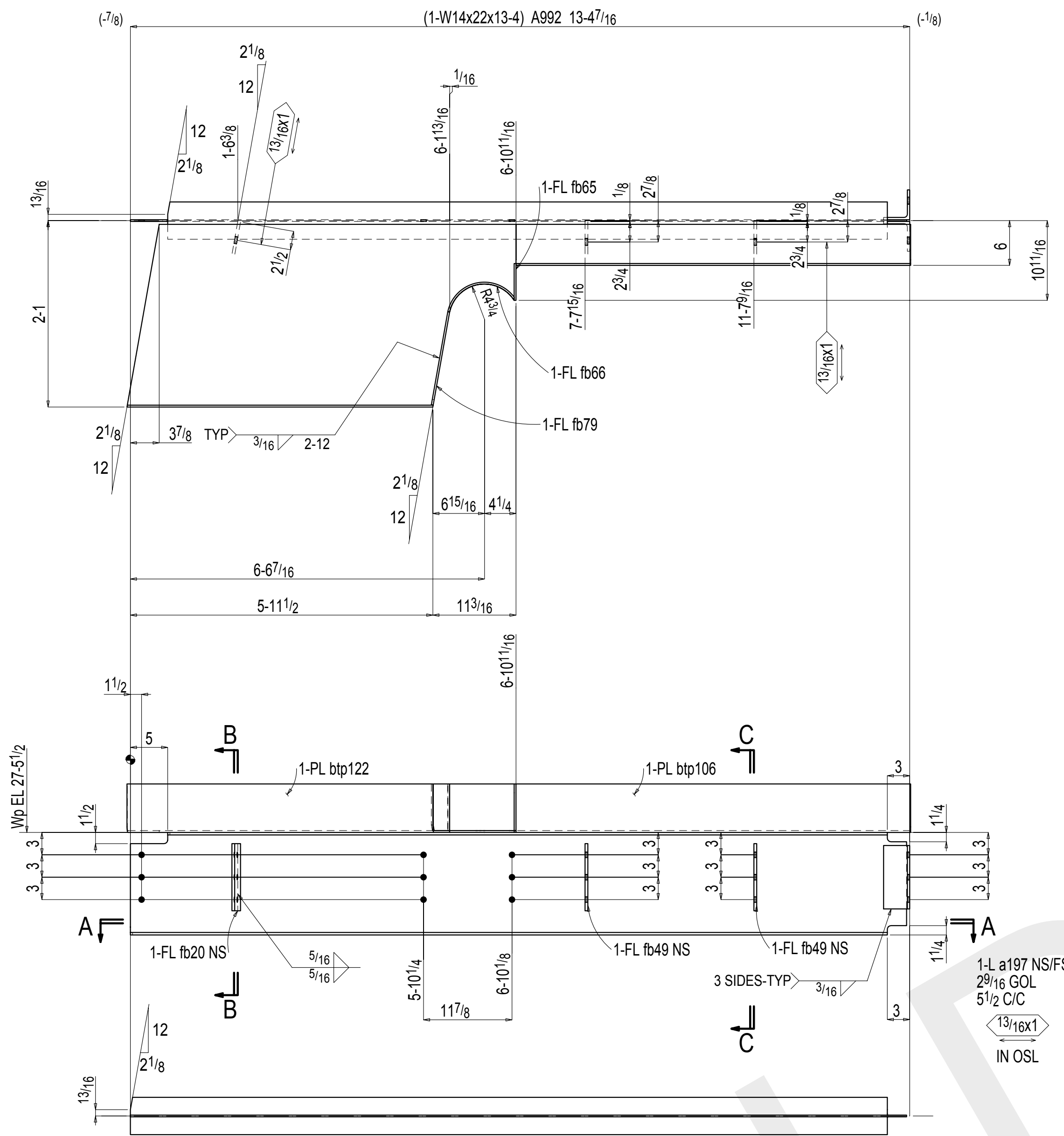
REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

CHK'D. BY -	SHEET# 56
----------------	--------------

*SURFACE PREPARATION: SSPC-SP3





Section A-A
57B1

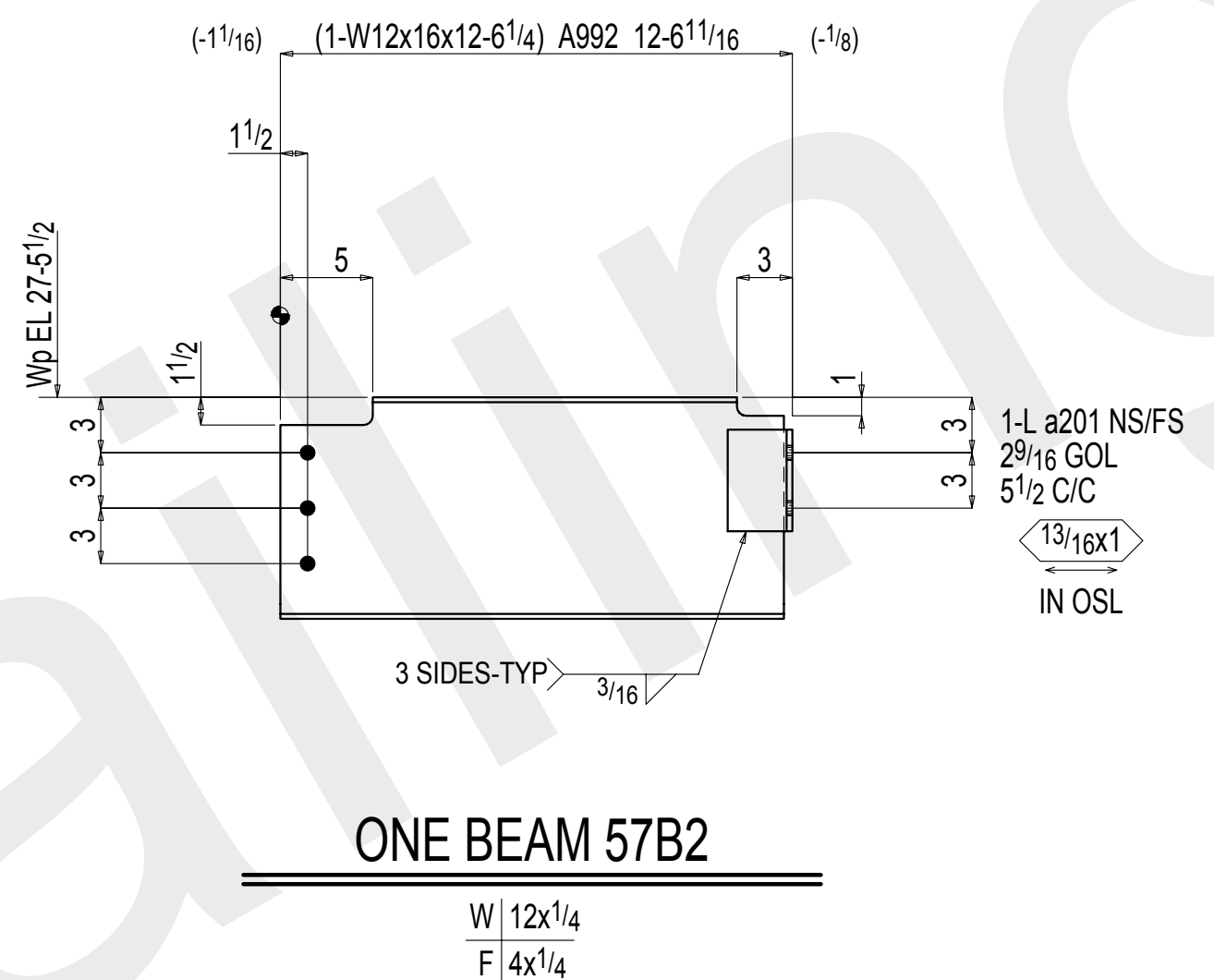
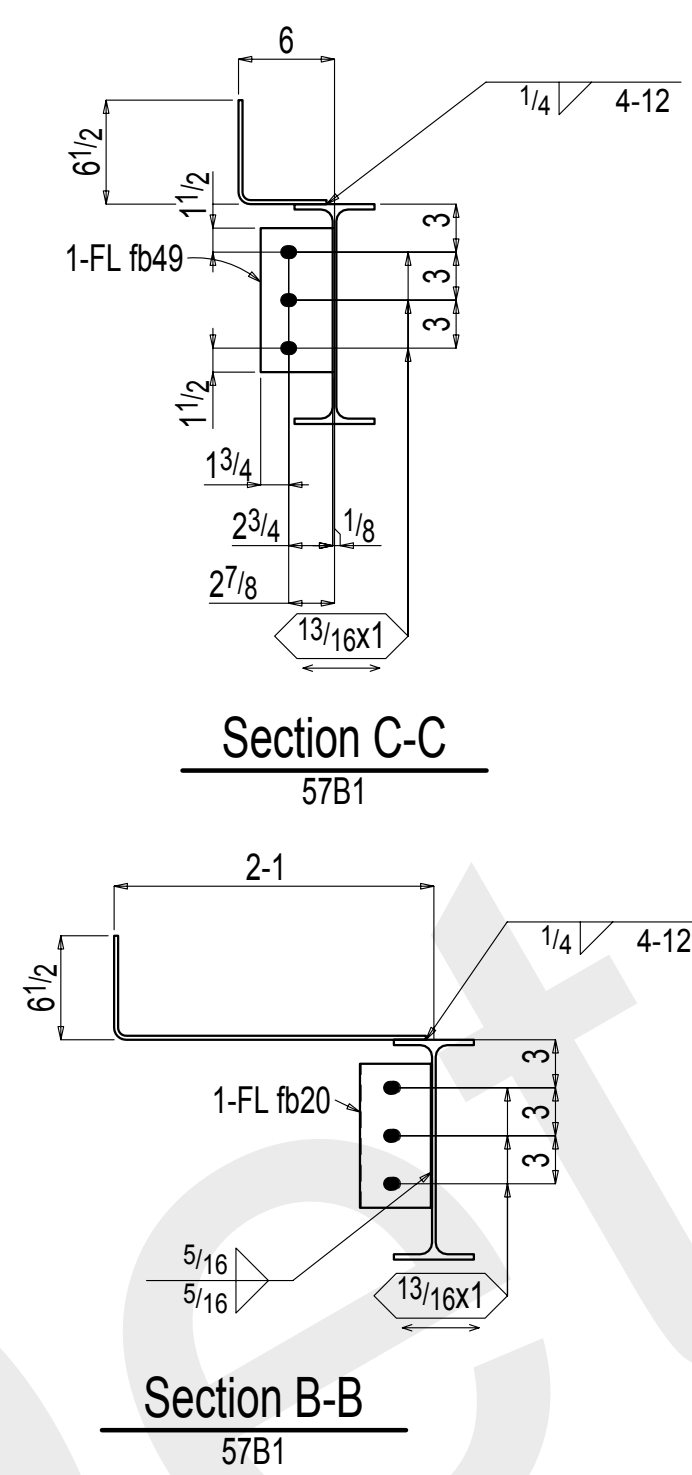
ONE BEAM 57B1

RELEASED FOR FABRICATION
11.14.14

W 13 3/4 x 1 1/4
F 5 x 5/16

FIELD BOLTS:
6-3/4 x 2 A325N

2



ONE BEAM 57B2

W 12 x 1/4
F 4 x 1/4

BILL OF MATERIAL

P	L	MARK	No.	Description	LENGTH	Weight	Remarks
			REQD		FT	IN	Total
			57B1	ONE BEAM			546
			57B1	1 W14x22	13	4	287
			a197	2 L4x3 1/2x5 5/16	0	8 1/2	11
			fb20	1 FL 3/8x4 1/2	0	9	4
			fb49	2 FL 3/8x4 1/2	0	9	8
			fb79	1 FL 1/4x6 1/4	1	0 11/16	6
			btp122	1 BPL 1/4x30 7/16	6	11 1/8	160 BENT
			btp106	1 BPL 1/4x11 1/2	6	5 7/8	63 BENT
			fb66	1 FL 1/4x6 1/4	0	11 13/16	5
			fb65	1 FL 1/4x4 15/16	0	6 1/4	2
				FIELD BOLTS			
				6 3/4 Dia A325N	0	2	+1HD WASH
			57B2	ONE BEAM			204
			57B2	1 W12x16	12	6 1/4	197
			a201	2 L4x3 1/2x5 5/16	0	5 1/2	7

2	Nov 14 2014	RELEASED 57B1 FOR FAB	TDB
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY	BEAM DETAILS		JOB# 14-68
CHKD. BY			SHEET# 57
DATE	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		



*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 13/16 Dia U.N.O.

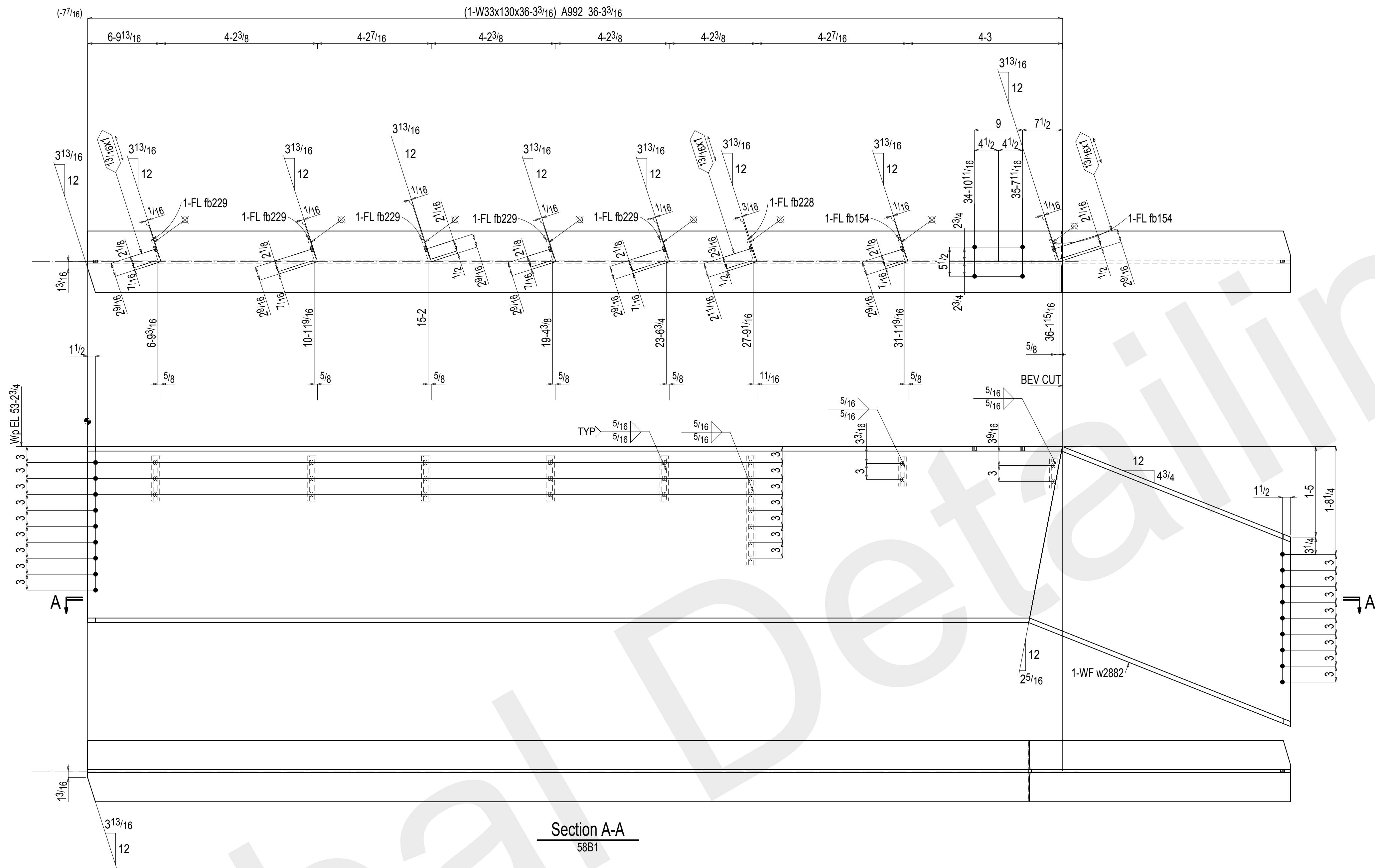
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mils).

*SURFACE PREPARATION: SSPC-SP3





Section A-A
58B1

ONE BEAM 58B1

W | 33 1/16x9 9/16 FIELD BOLTS:
F | 11 1/2x7 7/8 26-3/4x2 A325N
 4-3/4x3 A325N

BILL OF MATERIAL

P	L	MARK	No.	Description	LENGTH		Weight	Remarks
			REQ'D		FT	IN	Total	
			58B1	ONE BEAM			5239	
			58B1	1 W33x130	36	3 3/16	4677	B1E
			w2882	1 W33x130	4	11 1/4	533	B1E
			fb228	1 FL 3/8x4	1	8 1/2	8	
			fb229	5 FL 3/8x4	0	8 1/2	17	
			fb154	2 FL 3/8x4	0	5 1/2	4	
				FIELD BOLTS				
			4	3/4 Dia A325N	0	3		+1HD WASH
			26	3/4 Dia A325N	0	2		+1HD WASH

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS		JOB# 14-68
CHKD. BY -			SHEET# 58
DATE 8.13.14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		



*MATERIAL: A36 UNLESS NOTED OTHERWISE

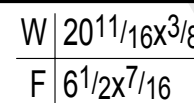
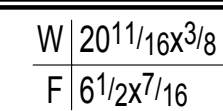
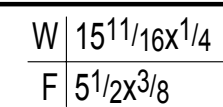
*HOLES: 13/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

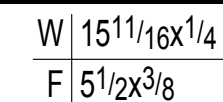
*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mils).

*SURFACE PREPARATION: SSPC-SP3



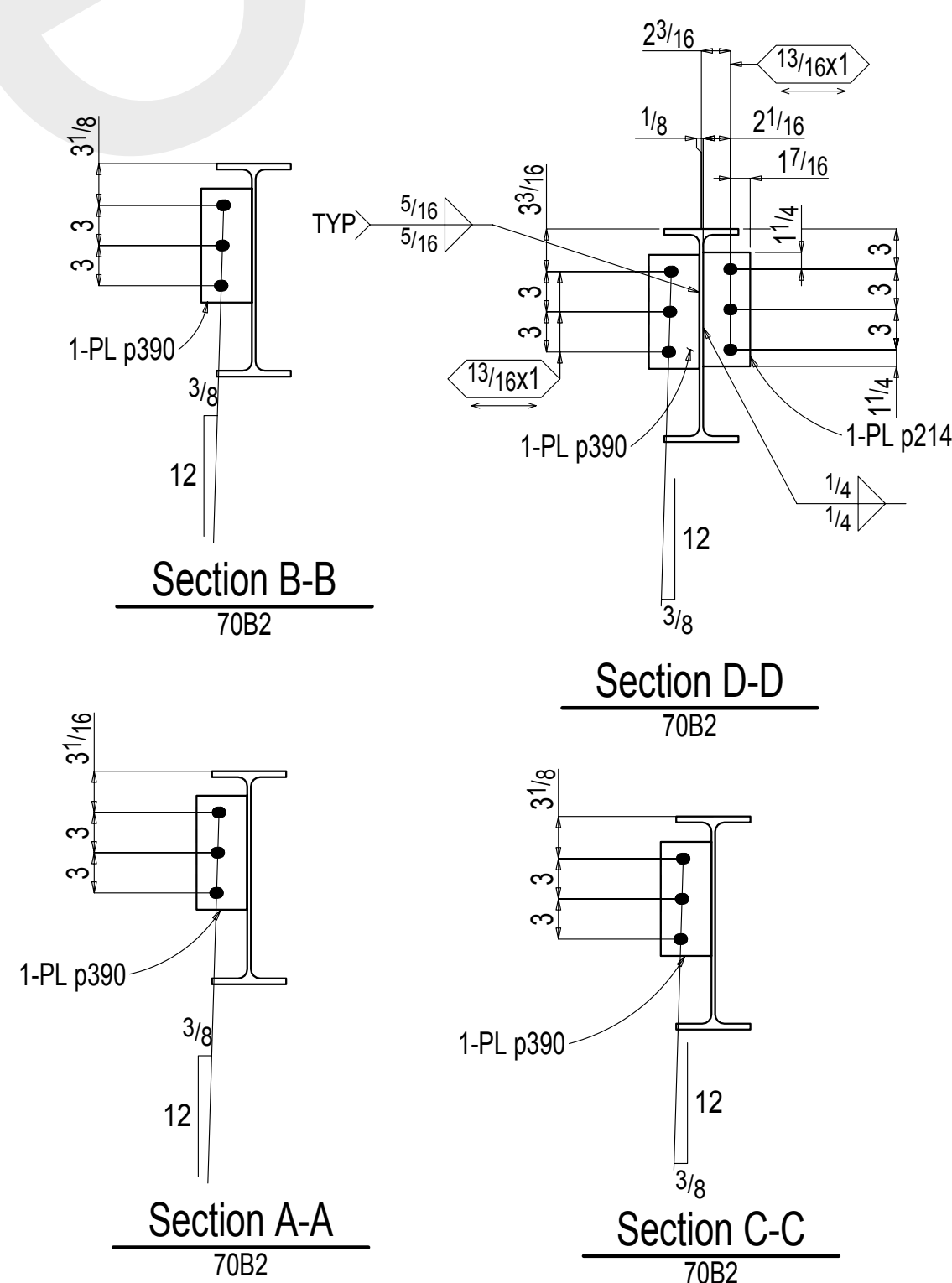
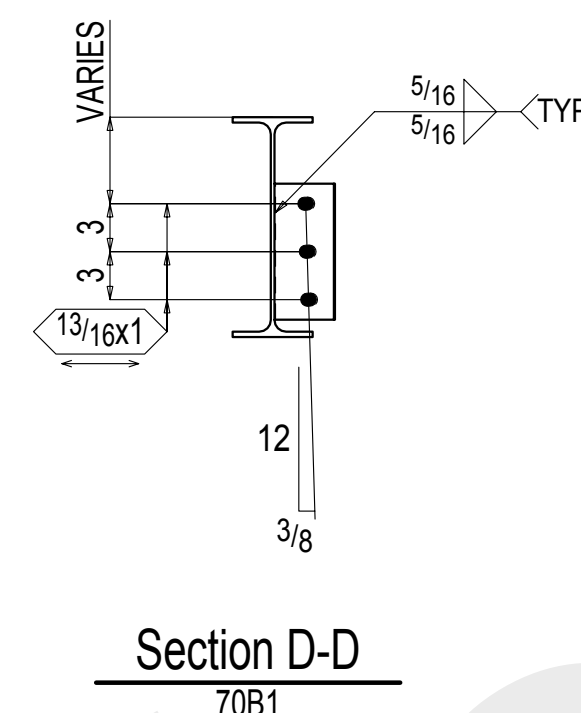
11.14.14 - ADDED NO PAINT
NOTE @ MOMENT CONNECTIONS



REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



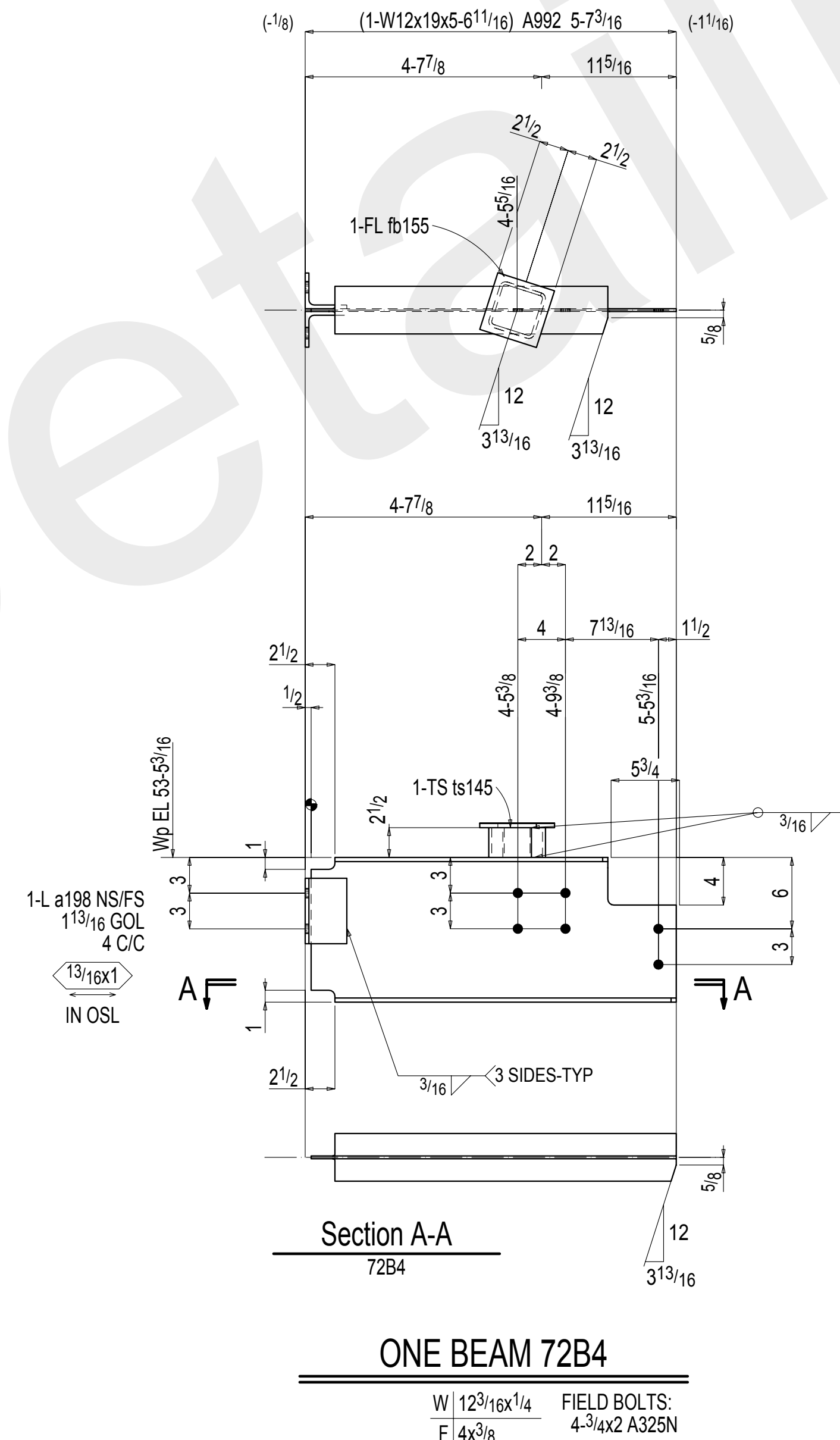
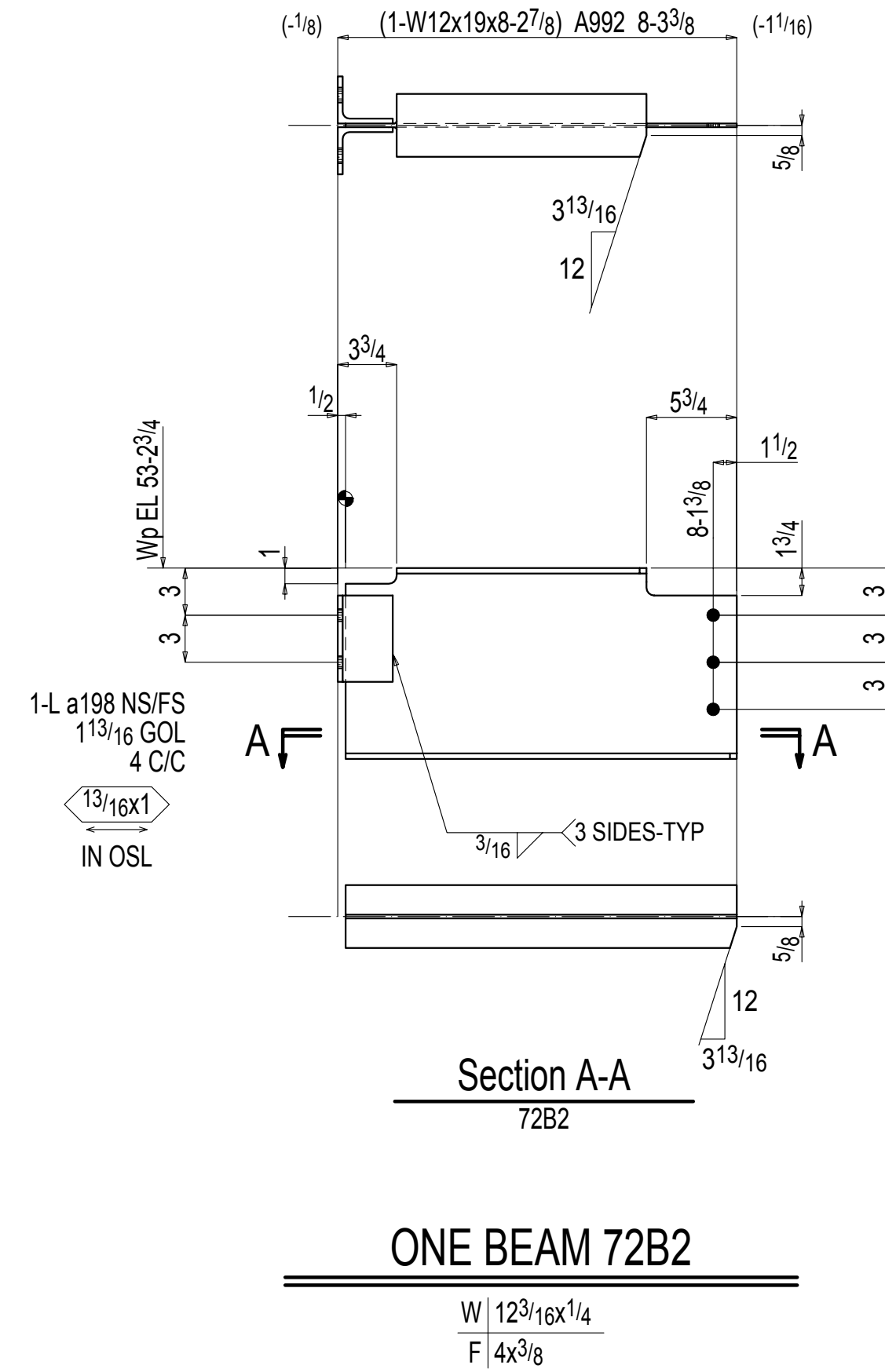
DRAWINGS PREPARED BY,
GLOBAL DETAILING, INC.
JOB #: 13-445



1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS		JOB# 14-68
CHKD. BY -			SHEET# 70
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		
SCALE			

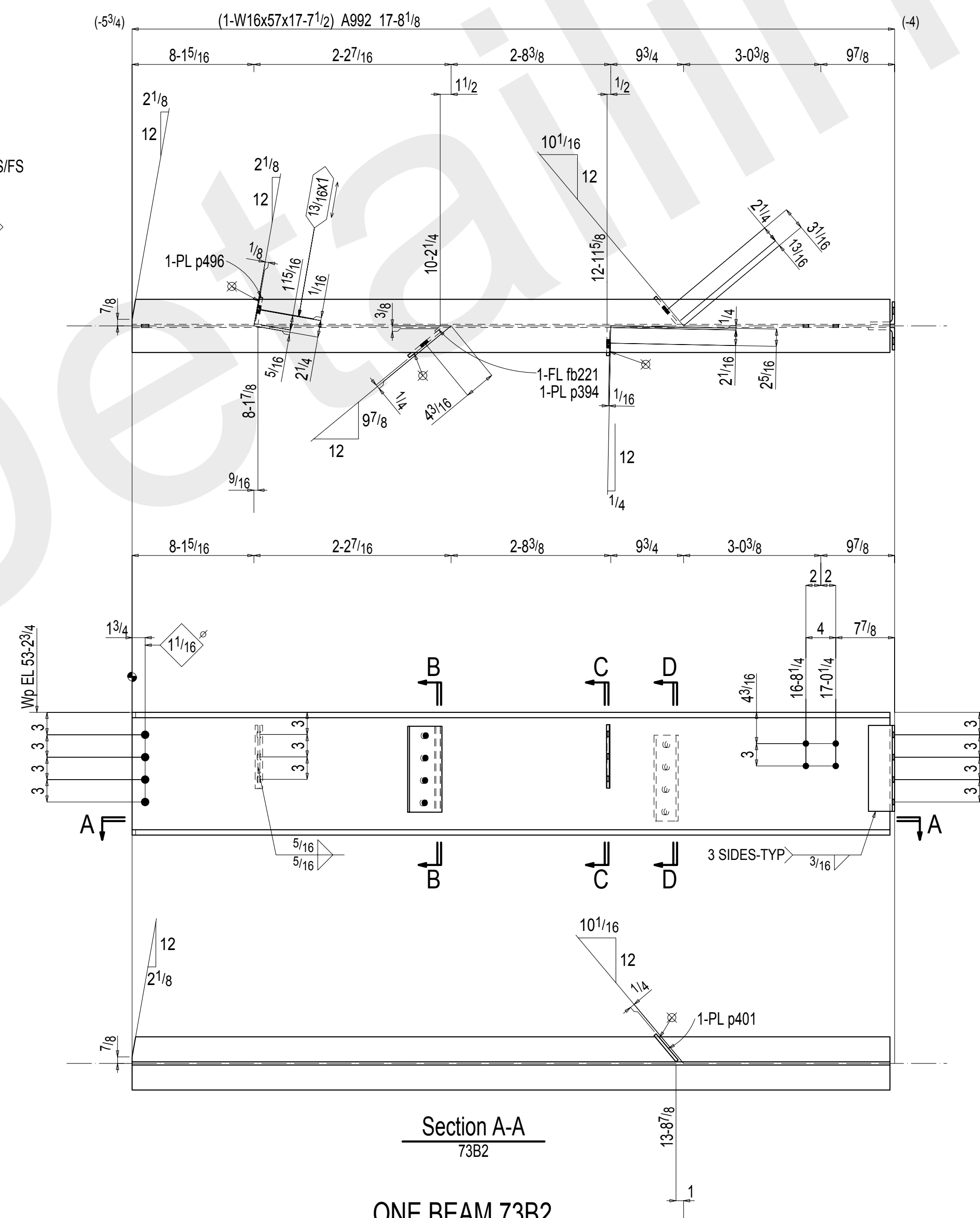
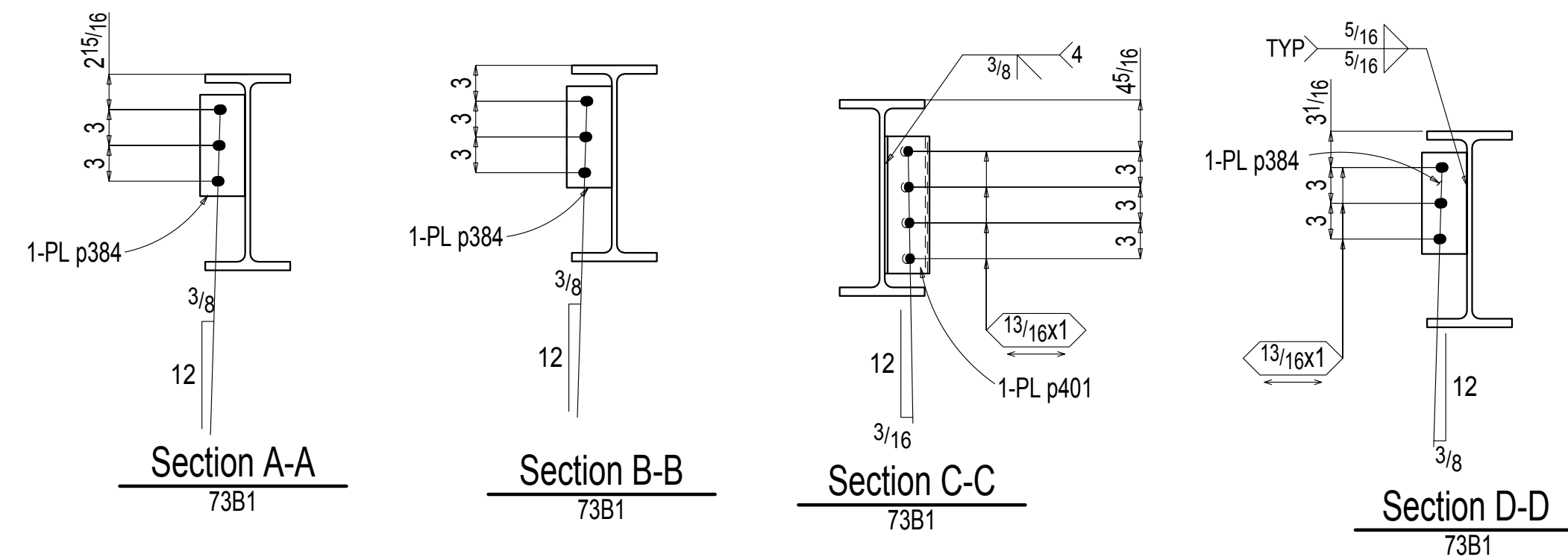
*MATERIAL:	A36 UNLESS NOTED OTHERWISE
*HOLES:	13/16 Dia U.N.O.
*WELDING:	E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS:	3/4" Dia A325N U.N.O.
*PAINT:	1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION:	SSPC-SP3



1	Oct 8 2014	FABRICATION		TDB	
A	Aug 27 2014	APPROVAL		TDB	
REV	DATE	DESCRIPTION		BY	
REVISIONS					
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY					
DRAWN BY TDB		BEAM DETAILS		JOB# 14-68	
CHK'D. BY -				SHEET# 72	
DATE 8.13.14		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701			
SCALE					

*MATERIAL:	A36 UNLESS NOTED OTHERWISE
*HOLES:	13/16 Dia U.N.O.
*WELDING:	E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS:	3/4" Dia A325N U.N.O.
*PAINT:	1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION:	SSPC-SP3

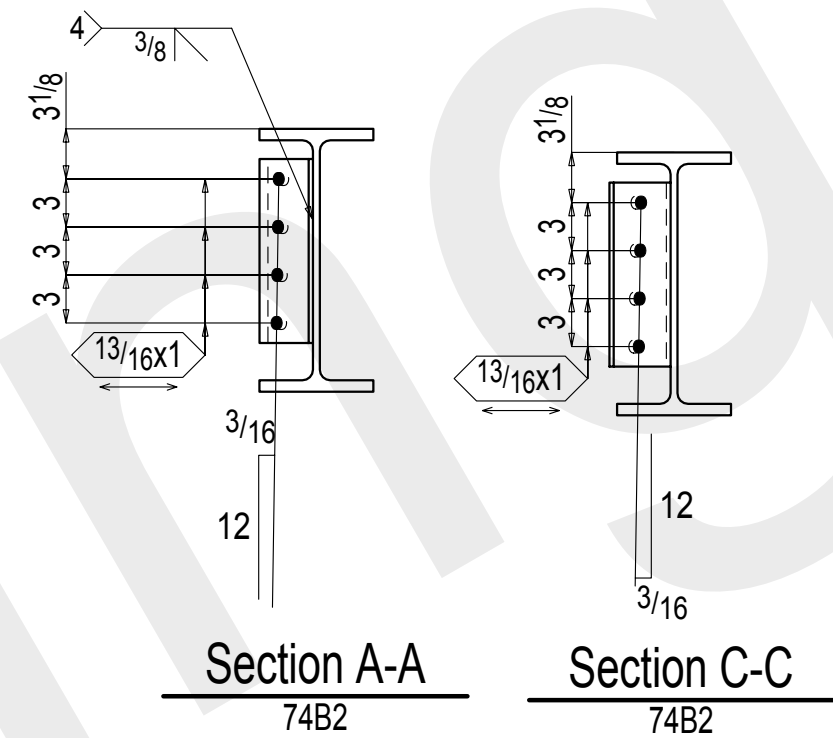
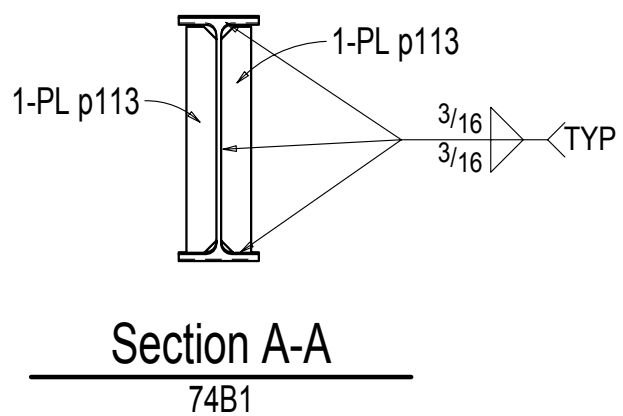




*MATERIAL:	A36 UNLESS NOTED OTHERWISE
*HOLES:	13/16 Dia U.N.O.
*WELDING:	E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D.11
*BOLTS:	3/4" Dia A325N U.N.O.
*PAINT:	1 S/C GREY PRIMER Benjamin Moore V142 primer(2 Mils).
*SURFACE PREPARATION:	SSPC-SP3

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS	JOB# 14-68	
CHK'D. BY -		SHEET# 73	
DATE 8.13.14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		



P	L	MARK	No.	LENGTH	Weight	
			REQ'D	FT	IN	Total
			Description			Remarks
		74B1	ONE BEAM			243
		74B1	1 W12x19	12	3 ¹³ / ₁₆	233
		a201	2 L4x3 ¹ / ₂ x5 ⁵ / ₁₆	0	5 ¹ / ₂	7
		p113	2 PL ³ / ₈ x1 ¹ / ₂	0	11 ⁵ / ₁₆	4
			FIELD BOLTS			
			8 ³ / ₄ Dia A325N	0	2	+1HD WASH
		74B2	ONE BEAM			750
		74B2	1 W16x57	12	9	726
		a206	2 L3 ¹ / ₂ x3x5 ⁵ / ₁₆	0	11 ¹ / ₂	12
		p110	1 PL ³ / ₈ x5 ¹ / ₁₆	0	11 ¹ / ₂	6
		p116	1 PL ³ / ₈ x5	0	11 ¹ / ₂	6
			FIELD BOLTS			
			8 ³ / ₄ Dia A325N	0	2	+1HD WASH

REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY TDB	BEAM DETAILS	JOB# 14-68
CHK'D. BY -		SHEET# 74

REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701



*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 13/16 Dia U.N.O.

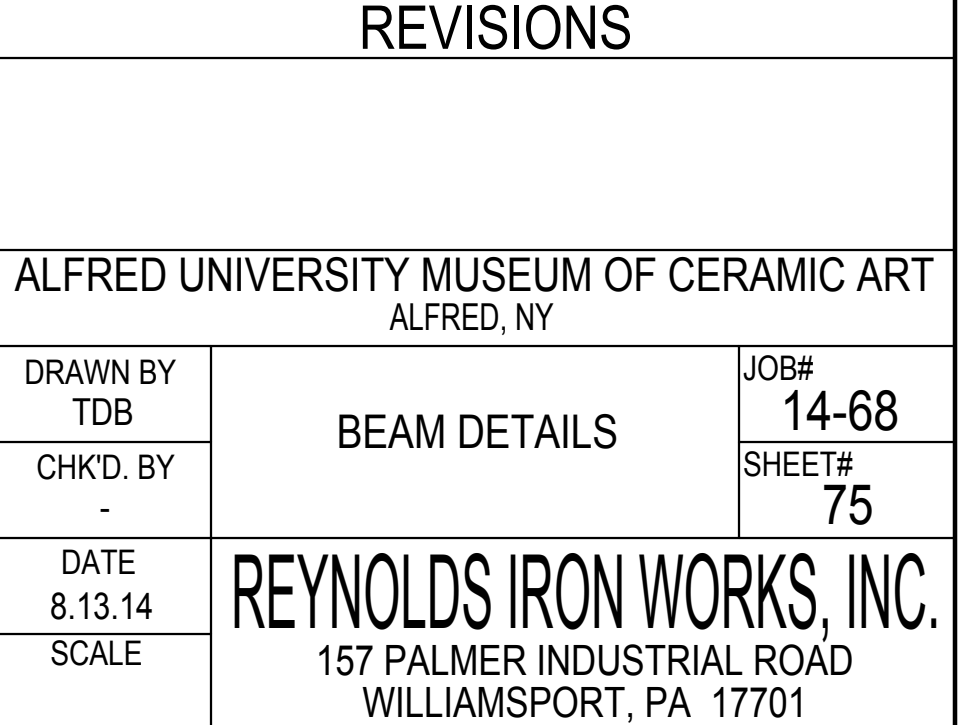
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

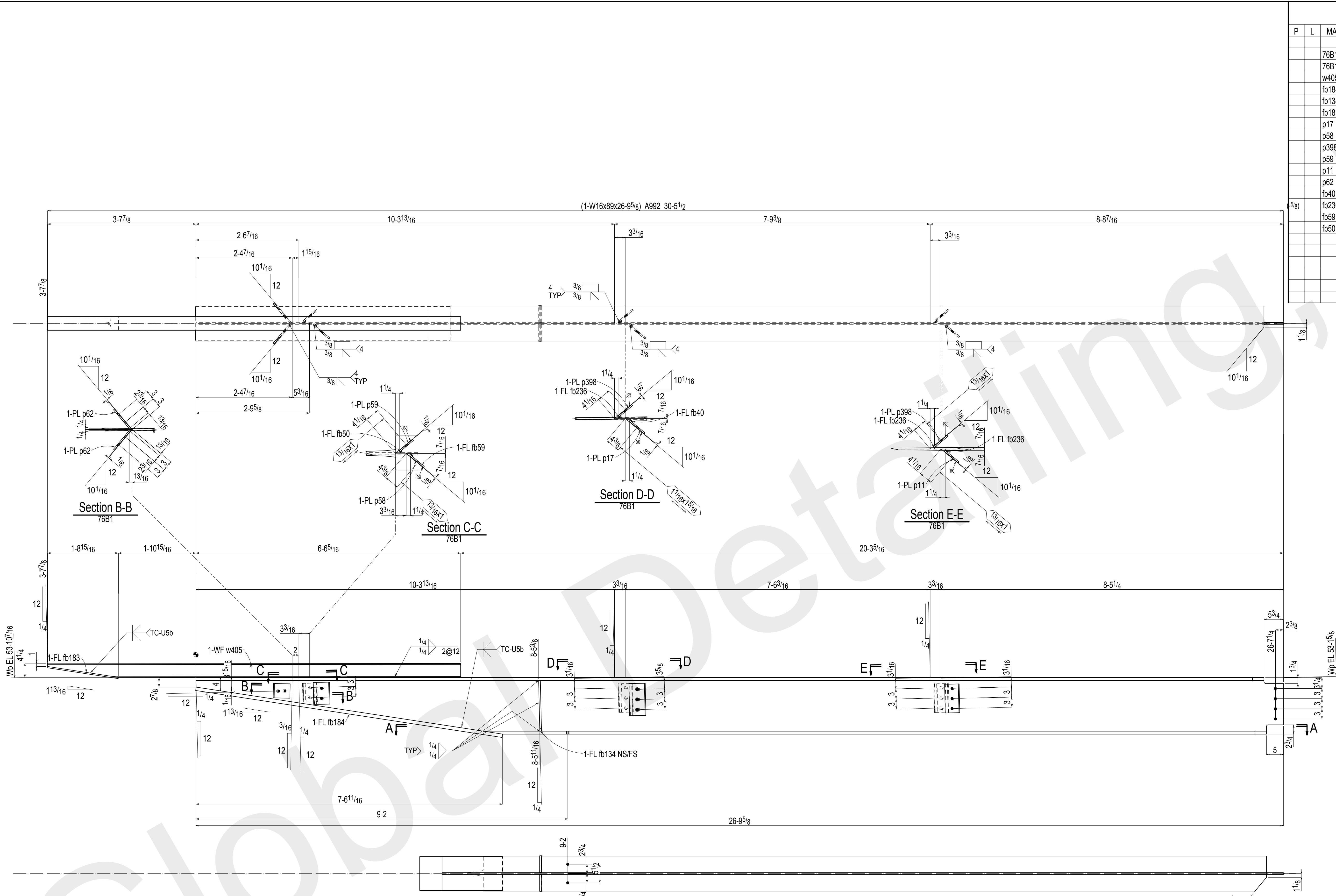
*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mils).

*SURFACE PREPARATION: SSPC-SP3







BILL OF MATERIAL

P	L	MARK	No.	REQ'D	Description	LENGTH	Weight	Remarks	
						FT	IN	Total	
			76B1	ONE BEAM				2482	
			76B1	1	W16x89	26	9 5/8	2034	B1E
			w405	1	W4x13	10	2 3/16	122	
			fb184	1	FL1x10	7	7 11/16	260	
			fb134	2	FL 1/2x5	1	3	21	
			fb183	1	FL 3/8x4	1	9 1/8	9	
			p17	1	PL 3/8x6	0	9 1/2	6	
			p58	1	PL 3/8x6	0	6 1/2	4	
			p398	2	PL 3/8x5 5/16	0	8 1/2	9	
			p59	1	PL 3/8x5 5/16	0	5 1/2	3	
			p11	1	PL 3/8x5 5/16	0	8 1/2	5	
			p62	2	PL 3/8x4 1/4	0	7 1/4	6	
			fb40	1	FL 1/4x1	0	9 1/2	1	
(5/8)			fb236	3	FL 1/4x1	0	8 1/2	2	
			fb59	1	FL 1/4x1	0	6 1/2	0	
			fb50	1	FL 1/4x1	0	5 1/2	0	
					FIELD BOLTS				
			3	1 Dia A325N		0	2		+1HD WASH
			2	3/4 Dia A325N		0	3		+1HD WASH
			17	3/4 Dia A325N		0	2		+1HD WASH

ONE BEAM 76B1 Section A-A

W 16 3/4x1 1/2 FIELD BOLTS:
F 10 3/8x7 7/8 17-3/4x2 A325N
3-1x2 A325N
2-3/4x3 A325N

- *MATERIAL: A36 UNLESS NOTED OTHERWISE
- *HOLES: 1 3/16 Dia U.N.O.
- *WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
- *BOLTS: 3/4" Dia A325N U.N.O.
- *PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
- *SURFACE PREPARATION: SSPC-SP3

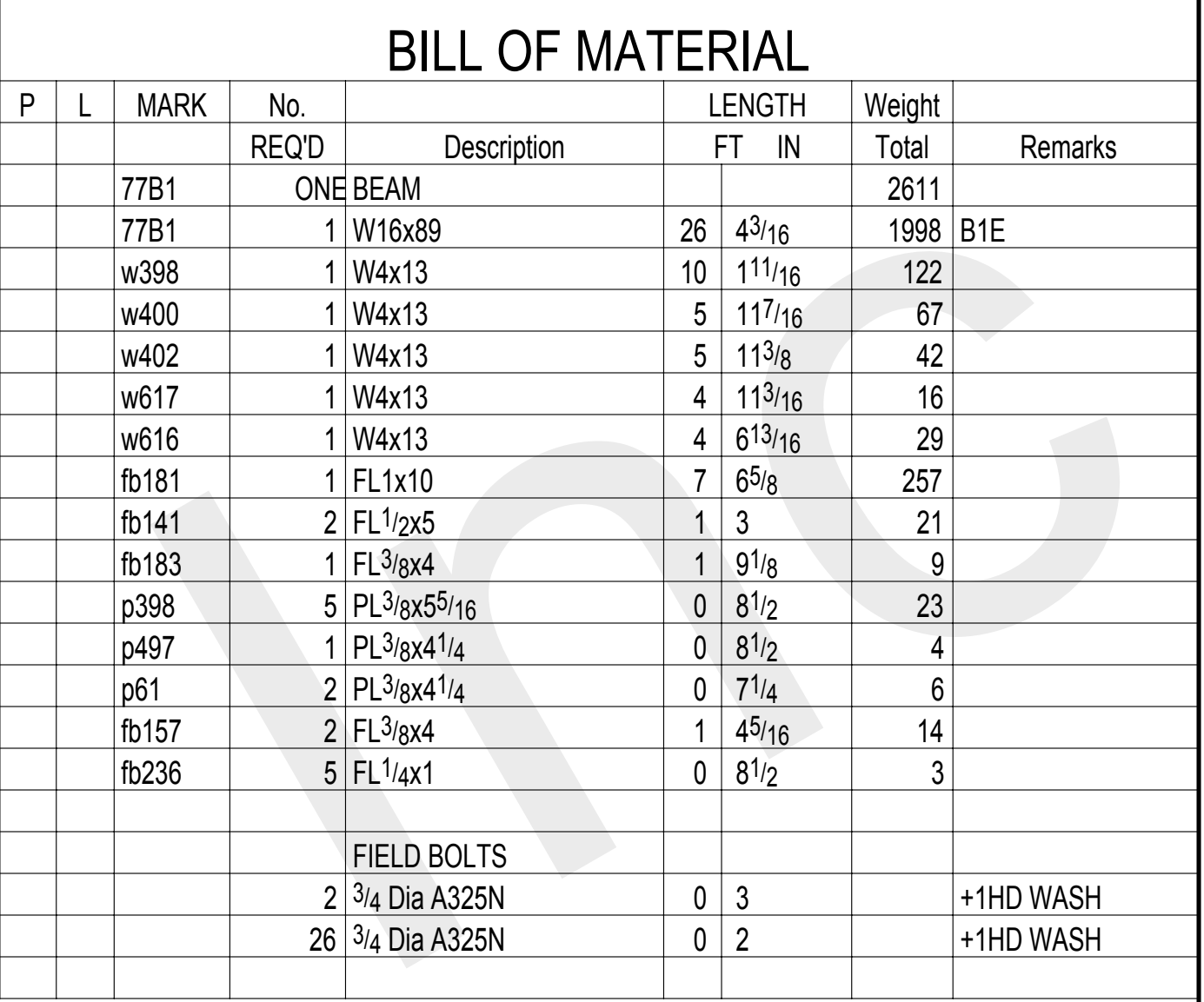


DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

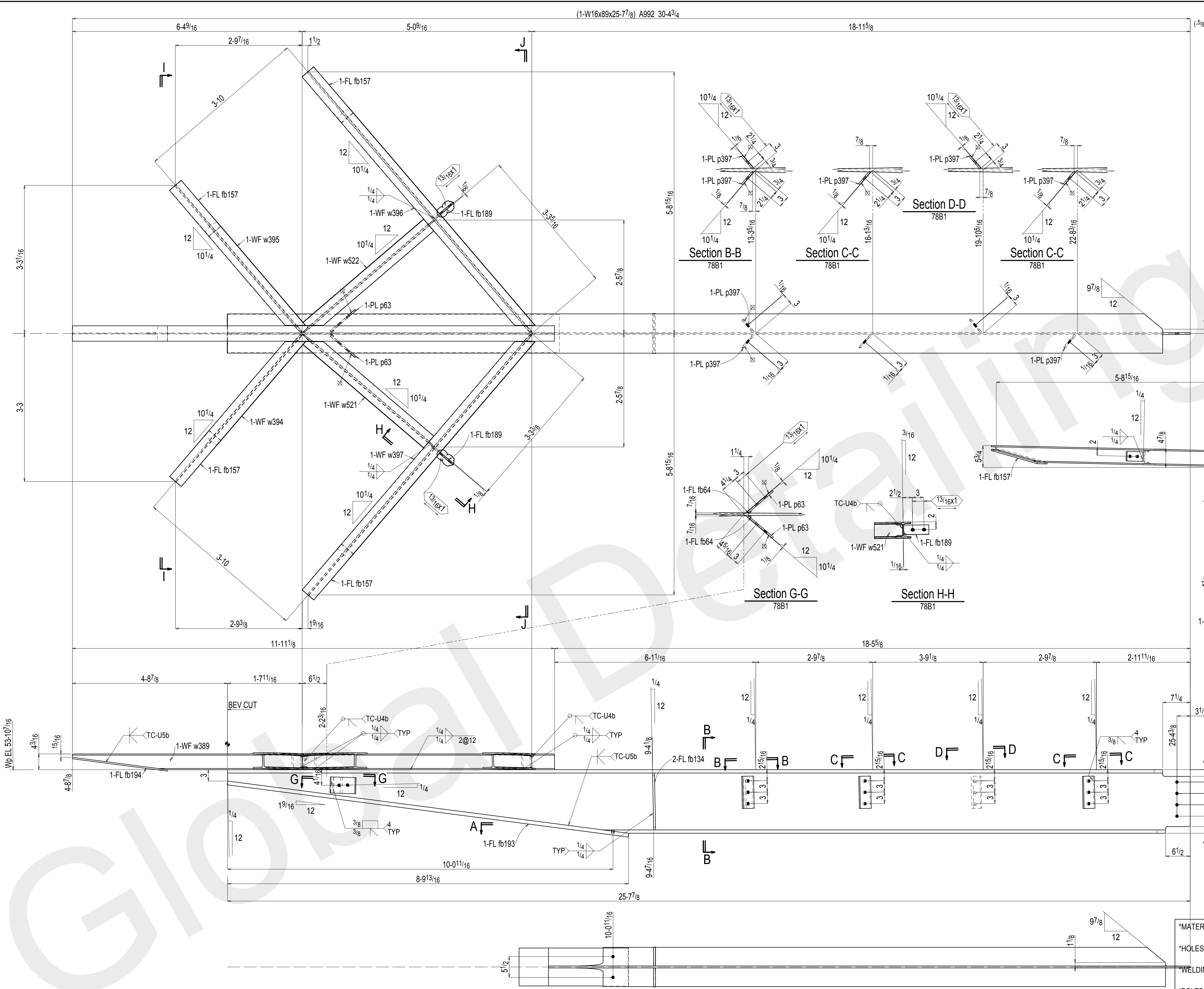
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

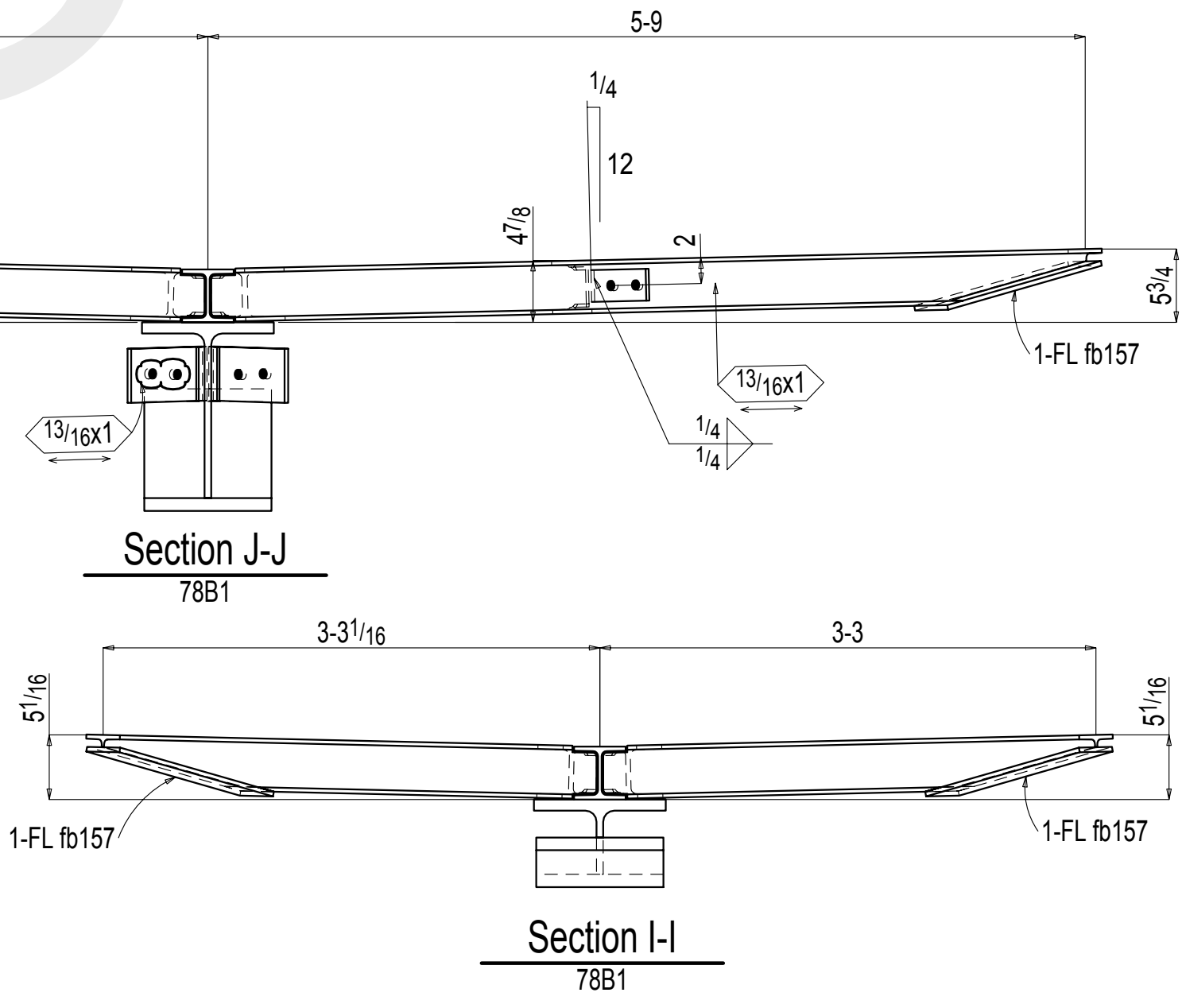
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS	JOB# 14-68	
CHKD. BY -		SHEET# 76	
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		
SCALE			



1	Oct 8 2014	FABRICATION		TDB
A	Aug 27 2014	APPROVAL		TDB
REV	DATE	DESCRIPTION		BY
REVISIONS				
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY				
DRAWN BY TDB	BEAM DETAILS		JOB# 14-68	
CHK'D BY -			SHEET# 77	
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701			
SCALE				



BILL OF MATERIAL						
P	L	MARK	No.	DESCRIPTION	LENGTH	Weight
			REQD		FT	IN
					Total	Remarks
			78B1	ONE BEAM		2762
			78B1	1 W16x89	25	77/8
			w389	1 W4x13	11	11 1/8
			w396	1 W4x13	7	6 11/16
			w397	1 W4x13	7	6 5/8
			w395	1 W4x13	4	3 5/16
			w394	1 W4x13	4	3 1/4
			w521	1 W4x13	3	9 5/8
			w522	1 W4x13	3	9 5/8
			fb193	1 FL1x10	8	10 5/8
			fb134	2 FL1/2x5	1	3
			p397	5 PL3/8x43/8	0	8 1/2
			p63	2 PL3/8x4 1/4	0	8 5/8
			fb194	1 FL3/8x4	2	1 1/4
			fb157	4 FL3/8x4	1	4 5/16
			fb189	2 FL5/16x2 1/2	0	6 5/8
			fb64	2 FL1/4x1	0	4 1/4
				FIELD BOLTS		
			2	3/4 Dia A325N	0	2 1/2
			19	3/4 Dia A325N	0	2
						+1HD WASH
						+1HD WASH



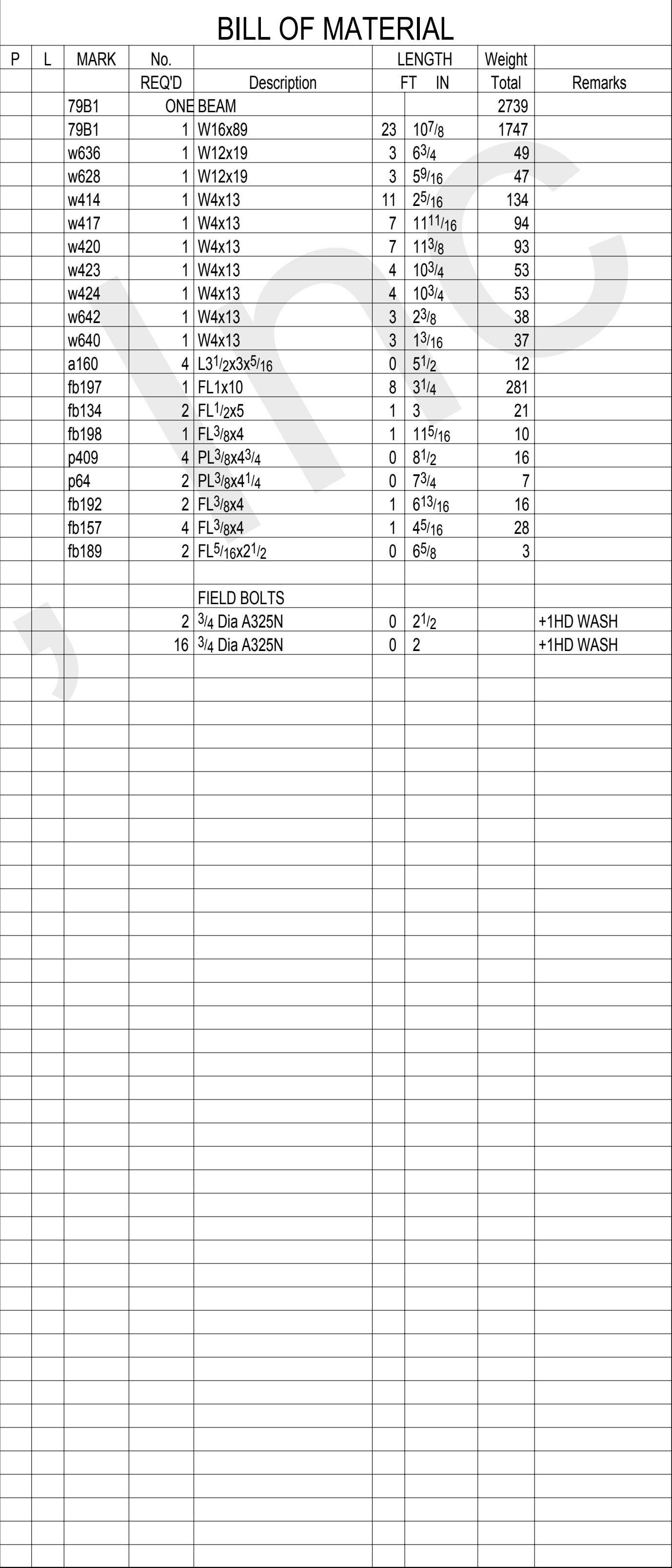
*MATERIAL: A36 UNLESS NOTED OTHERWISE
*HOLES: 13/16 Dia U.N.O.
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
*BOLTS: 3/4" Dia A325N U.N.O.
*PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
*SURFACE PREPARATION: SSPC-SP3

ONE BEAM 78B1
W | 16 3/4 x 1/2
F | 10 3/8 x 7/8
FIELD BOLTS:
19-3/4 x 2 A325N
2-3/4 x 2 1/2 A325N

Section A-A
78B1

DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB		JOB# 14-68	
CHK'D. BY -		SHEET# 78	
DATE 8.13.14		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	
SCALE			



WORK WITH 79A FOR SECTIONS

1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART
ALFRED, NY

DRAWN BY TDB	BEAM DETAILS	JOB# 14-68
CHK'D. BY -		SHEET# 79

DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701
SCALE	

*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 13/16 Dia U.N.O.

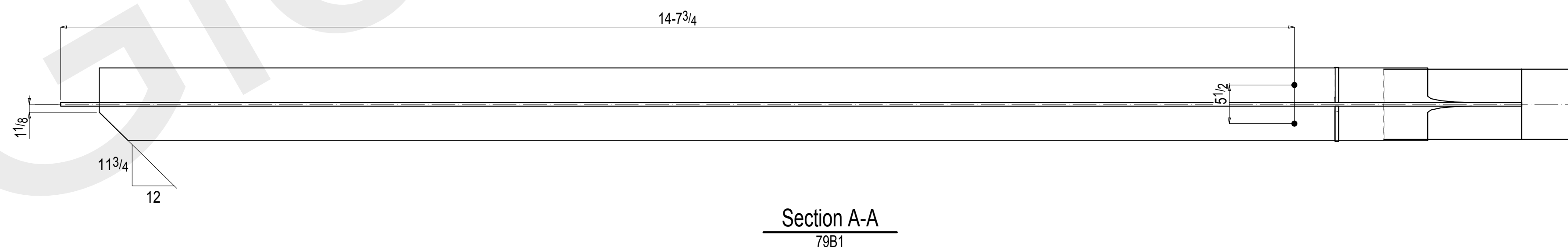
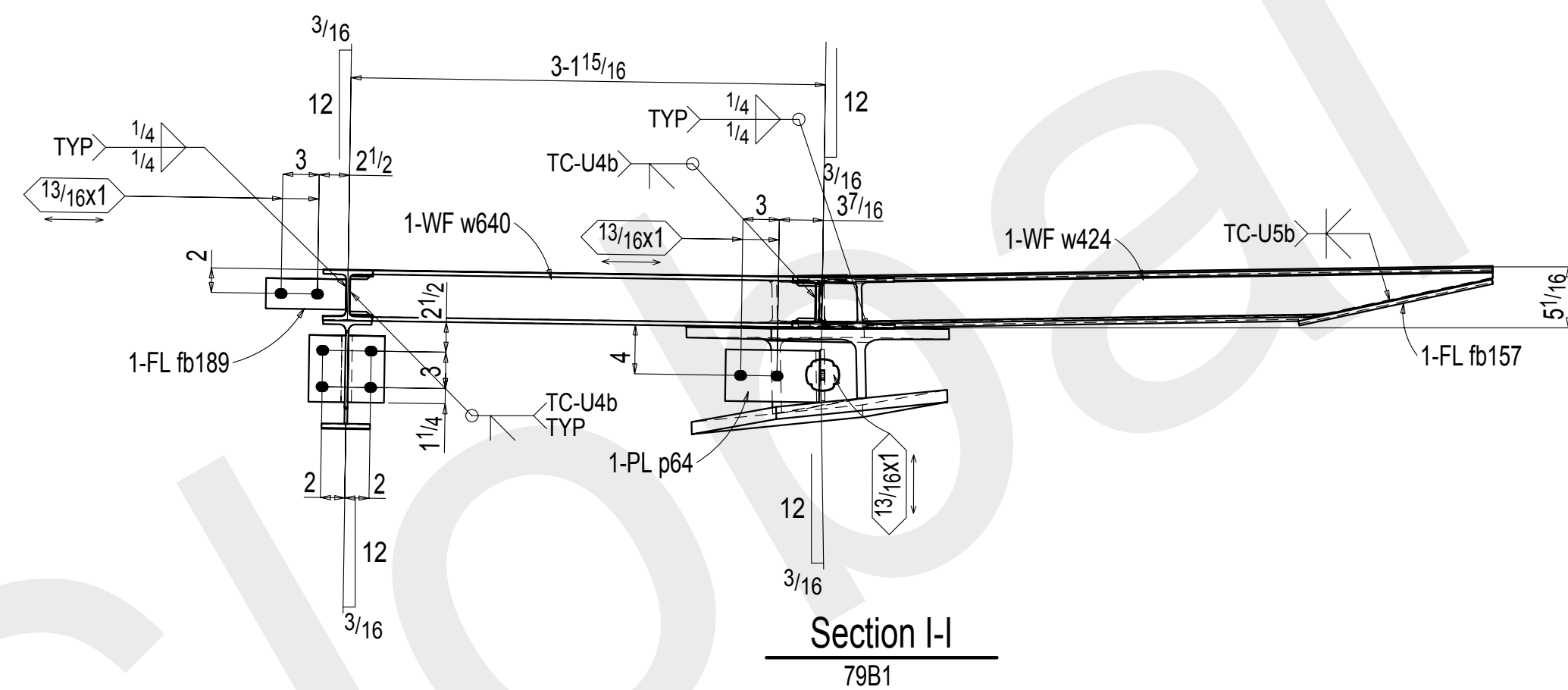
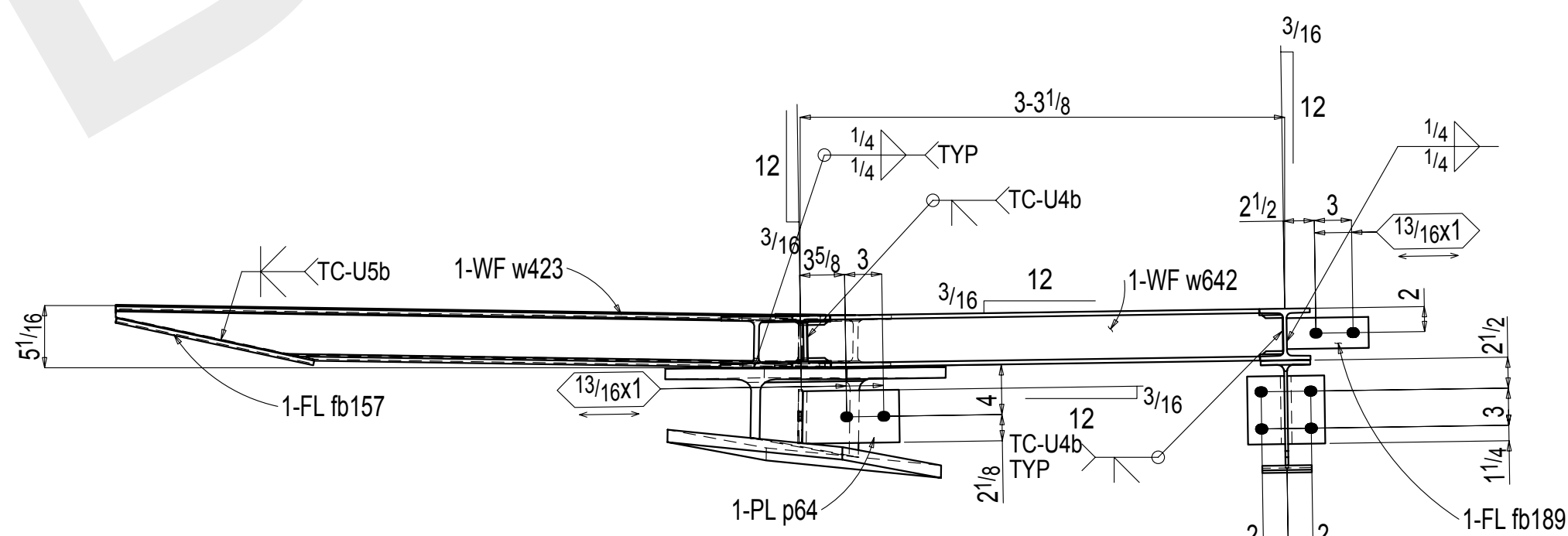
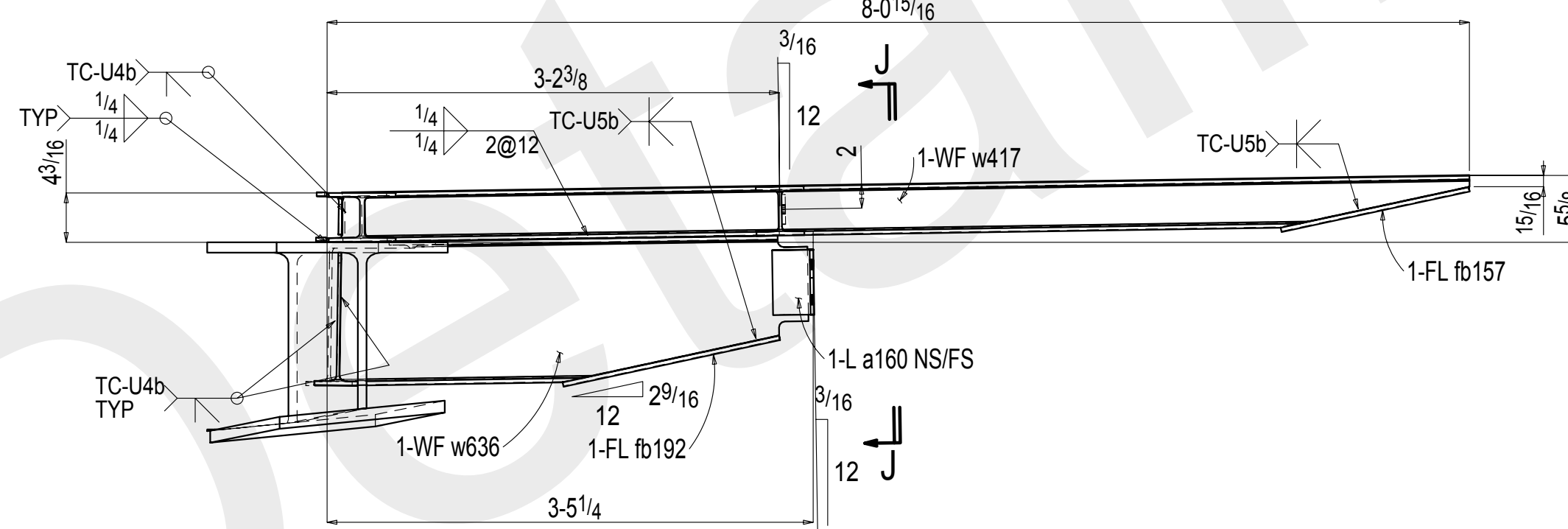
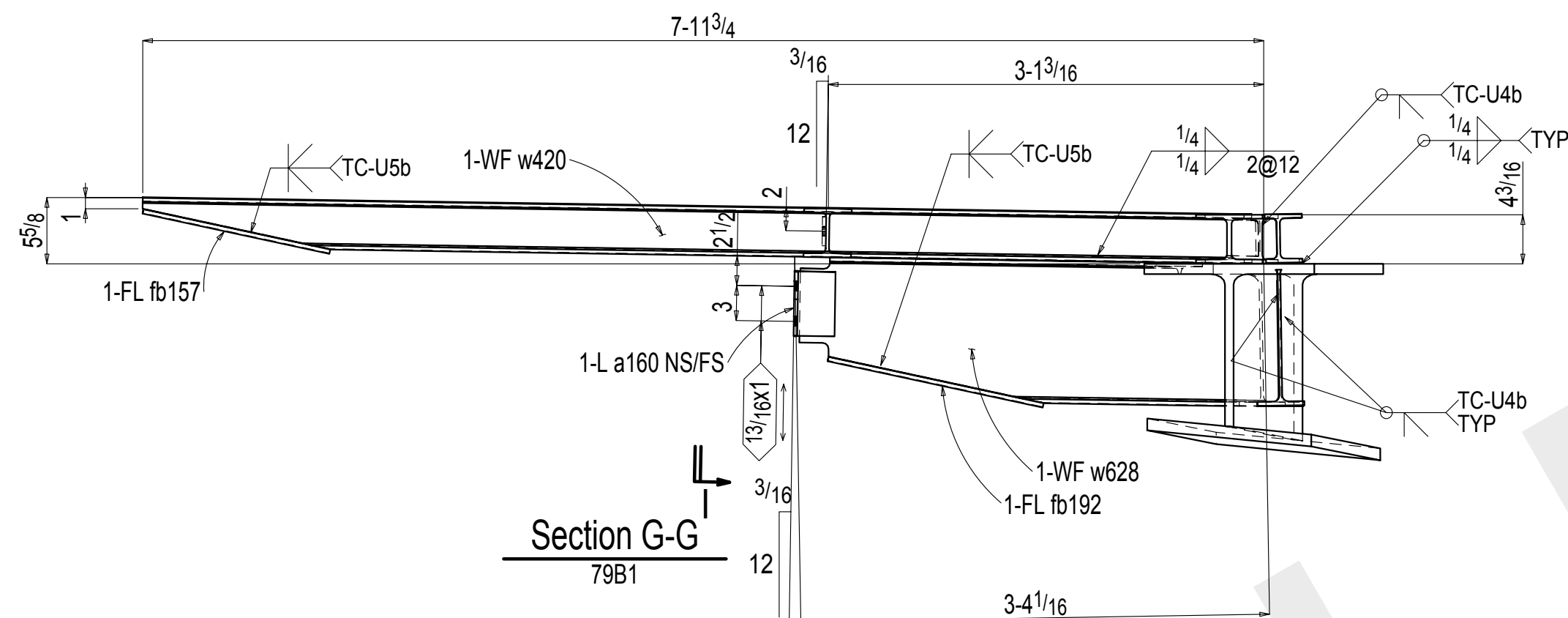
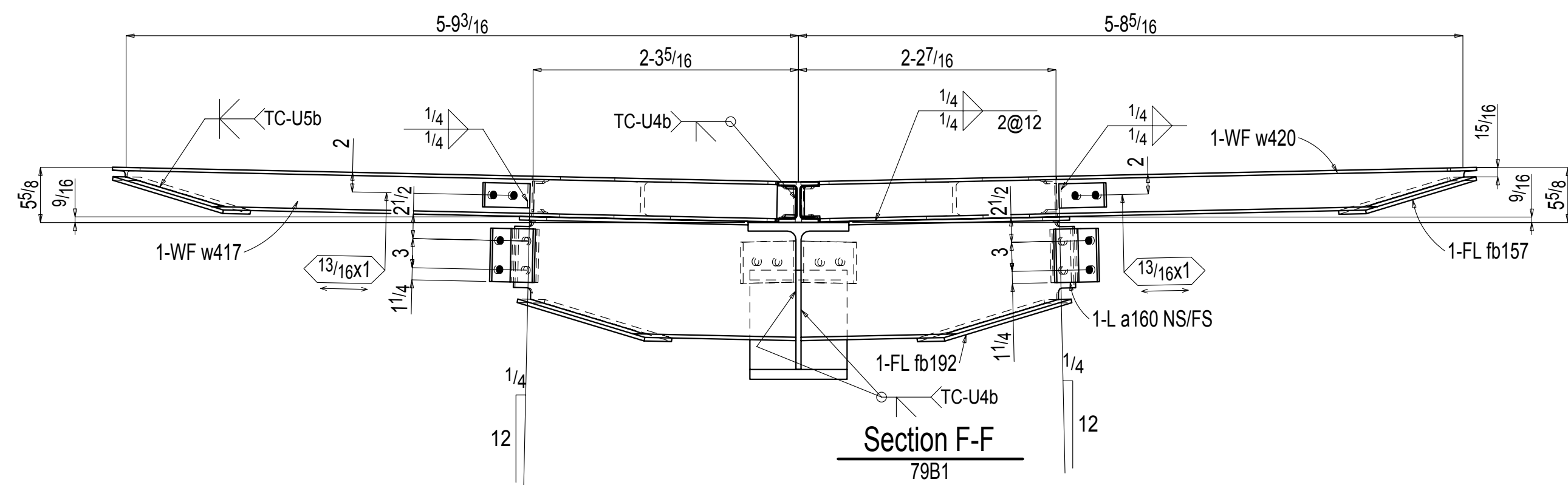
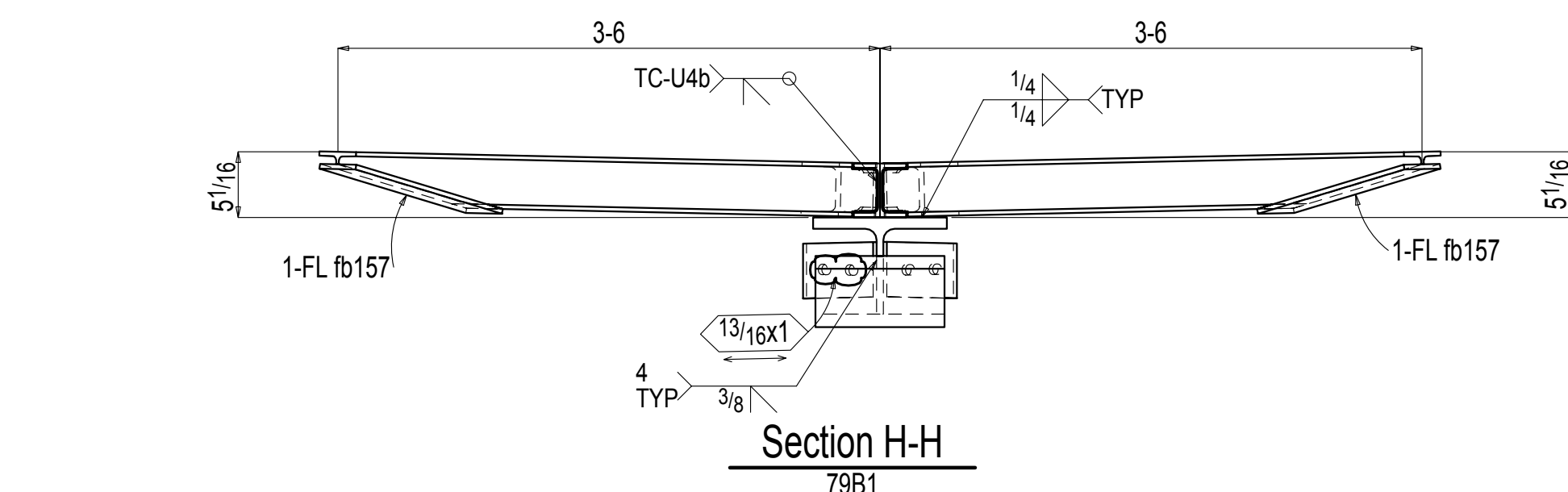
*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C GREY PRIMER
Benjamin More V142 primer(2 Mils).

*SURFACE PREPARATION: SSPC-SP3





BILL OF MATERIAL

P	L	MARK	No.	REQD	Description	LENGTH	Weight	Remarks
						FT	IN	Total
			79B1		ONE BEAM			2739
			79B1	1	W16x89	23	10 7/8	1747
			w636	1	W12x19	3	6 3/4	49
			w628	1	W12x19	3	5 9/16	47
			w414	1	W4x13	11	2 5/16	134
			w417	1	W4x13	7	1 11/16	94
			w420	1	W4x13	7	1 3/8	93
			w423	1	W4x13	4	10 3/4	53
			w424	1	W4x13	4	10 3/4	53
			w642	1	W4x13	3	2 3/8	38
			w640	1	W4x13	3	1 3/16	37
			a160	4	L3 1/2x3x5/16	0	5 1/2	12
			fb197	1	FL1x10	8	3 1/4	281
			fb134	2	FL 1/2x5	1	3	21
			fb198	1	FL 3/8x4	1	1 15/16	10
			p409	4	PL 3/8x4 3/4	0	8 1/2	16
			p64	2	PL 3/8x4 1/4	0	7 3/4	7
			fb192	2	FL 3/8x4	1	6 13/16	16
			fb157	4	FL 3/8x4	1	4 9/16	28
			fb189	2	FL 5/16x2 1/2	0	6 5/8	3
					FIELD BOLTS			
			2	3/4 Dia A325N		0	2 1/2	+1HD WASH
			16	3/4 Dia A325N		0	2	+1HD WASH

WORK WITH 79
FOR MAIN VIEWS

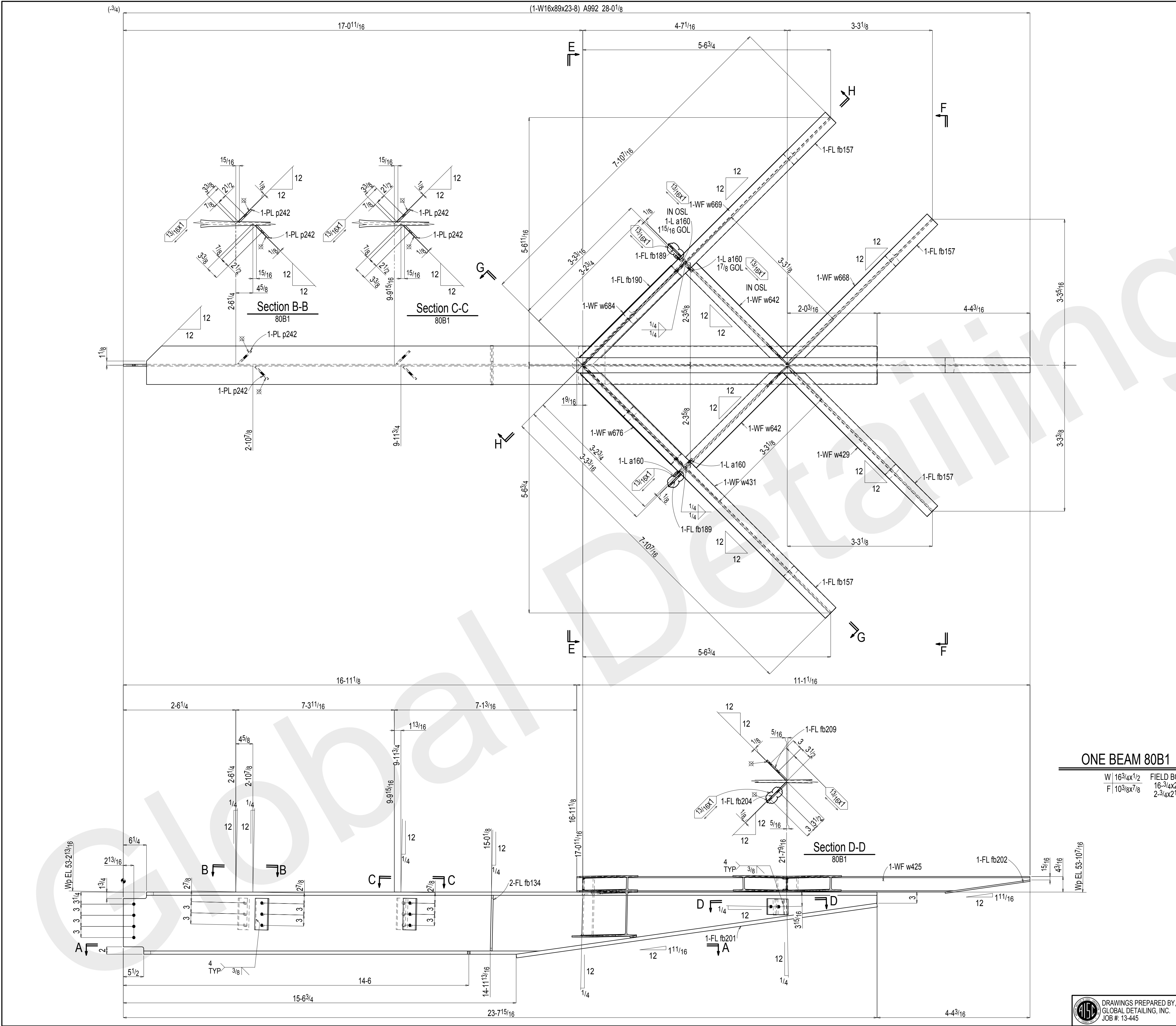


*MATERIAL: A36 UNLESS NOTED OTHERWISE
 *HOLES: 13/16 Dia U.N.O.
 *WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
 *BOLTS: 3/4" Dia A325N U.N.O.
 *PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mils).
 *SURFACE PREPARATION: SSPC-SP3



DRAWINGS PREPARED BY:
GLOBAL DETAILING, INC.
JOB #: 13-445

1	Oct 8 2014	FABRICATION	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS		JOB# 14-68
CHKD. BY -			SHEET# 79A
DATE 8.13.14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		



BILL OF MATERIAL						
P	L	MARK	No.	DESCRIPTION	LENGTH	Weight
			REQD		FT	Total
					IN	Remarks
			80B1	ONE BEAM		2645
			80B1	1 W16x89	23	8
			w684	1 W12x19	3	4 1/4
			w676	1 W12x19	3	4 1/4
			w425	1 W4x13	11	1 1/16
			w669	1 W4x13	7	10 7/16
			w431	1 W4x13	7	10 1/4
			w668	1 W4x13	4	7 11/16
			w429	1 W4x13	4	7 1/2
			w642	2 W4x13	3	2 3/8
			a160	4 L3 1/2x3x5/16	0	5 1/2
			fb201	1 FL1x10	8	2 1/16
			fb134	2 FL1/2x5	1	3
			fb190	1 FL3/8x4	1	6 13/16
			fb202	1 FL3/8x4	1	11 1/16
			p242	4 PL3/8x4 13/16	0	8 1/2
			fb195	1 FL3/8x4	1	6 11/16
			fb157	4 FL3/8x4	1	4 5/16
			fb209	1 FL5/16x4 1/4	0	7 7/8
			fb204	1 FL5/16x4 1/4	0	7 3/4
			fb189	2 FL5/16x2 1/2	0	6 5/8
				FIELD BOLTS		
			2	3/4 Dia A325N	0	2 1/2
			16	3/4 Dia A325N	0	2

WORK WITH 80A
FOR SECTIONS

ONE BEAM 80B1

W 16 3/4x1 1/2
F 10 3/8x7/8

FIELD BOLTS:
16 3/4x2 A325N
2 3/4x2 1/2 A325N

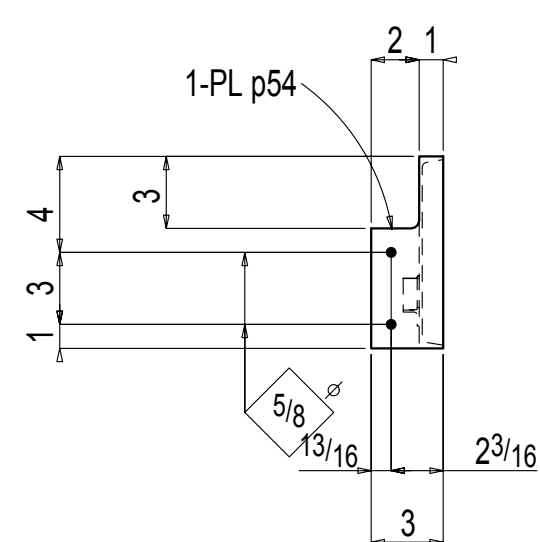
1	Oct 8 2014	FABRICATION	TDB
A	Aug 27 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY

REVISIONS

ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	BEAM DETAILS	JOB# 14-68	
CHK'D. BY -		SHEET# 80	
DATE 8.13.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		
SCALE			

- *MATERIAL: A36 UNLESS NOTED OTHERWISE
- *HOLES: 13/16 Dia U.N.O.
- *WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
- *BOLTS: 3/4" Dia A325N U.N.O.
- *PAINT: 1 S/C GREY PRIMER Benjamin More V142 primer(2 Mills).
- *SURFACE PREPARATION: SSPC-SP3

1	Oct 8 2014	FABRICATION			TDB
REV	DATE	DESCRIPTION			BY
REVISIONS					
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY					
DRAWN BY TDB		BEAM DETAILS		JOB# 14-68	
CHK'D. BY -				SHEET# 80A	
DATE 8.13.14		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701			
SCALE					



Technical drawing of a 1-PL p53 plate. The drawing shows a side view of the plate with dimensions: 1, 2, 3, 4, 1, 3, 13/16, 23/16, 3, and 5/8. A label '1-PL p53' points to the plate. A hole with a diameter of 5/8 inch is indicated.

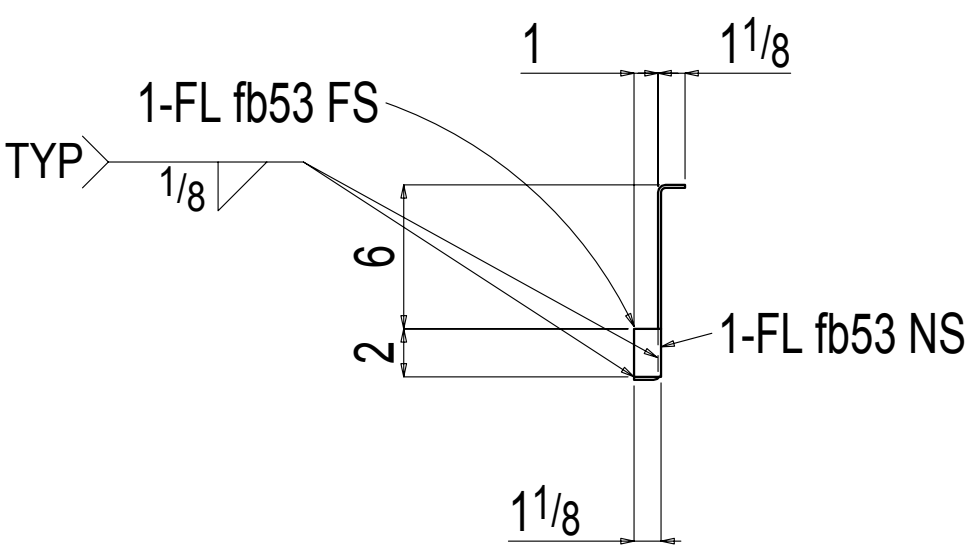


1	Nov 6 2014	FABRICATION	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			

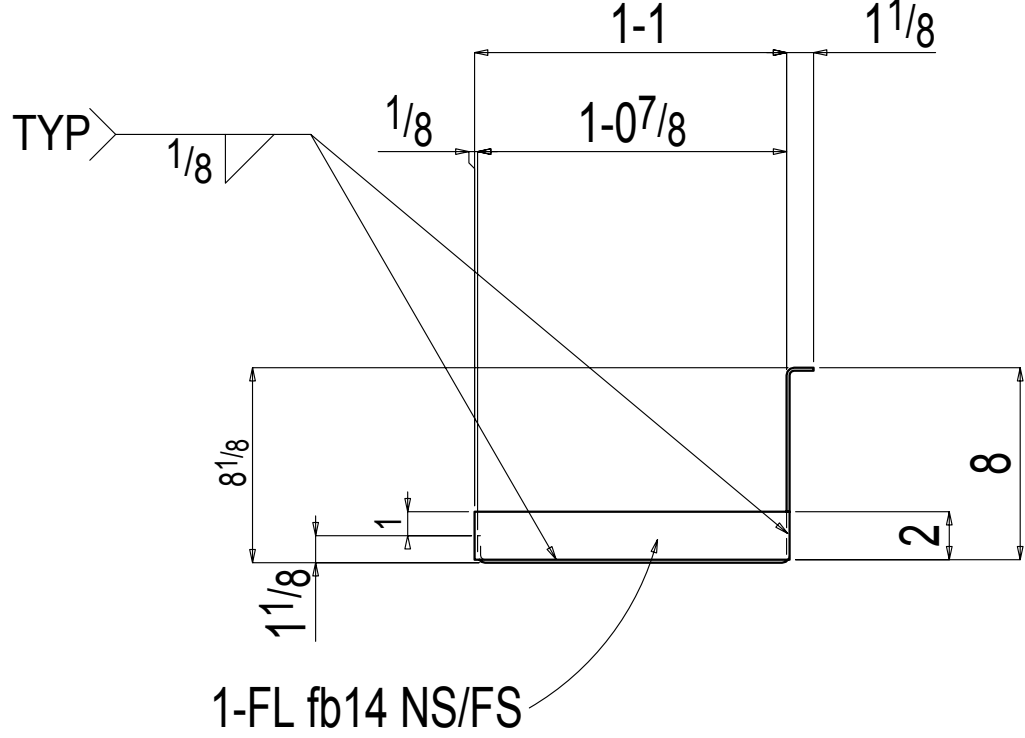
REYNOLDS IRON WORKS, INC.
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701

*SURFACE PREPARATION: SSPC-SP3

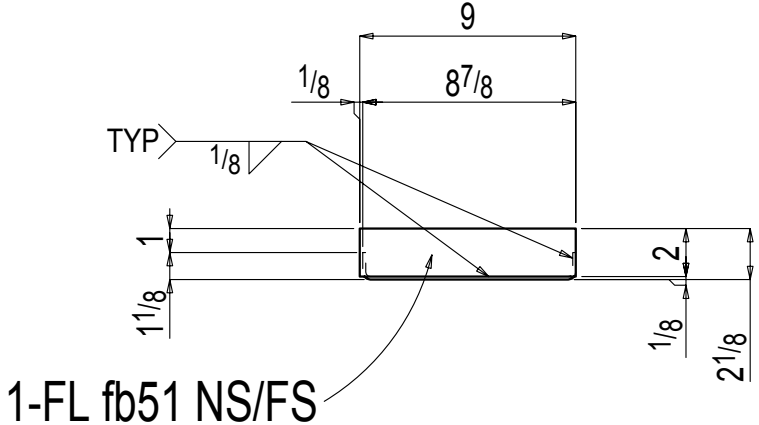




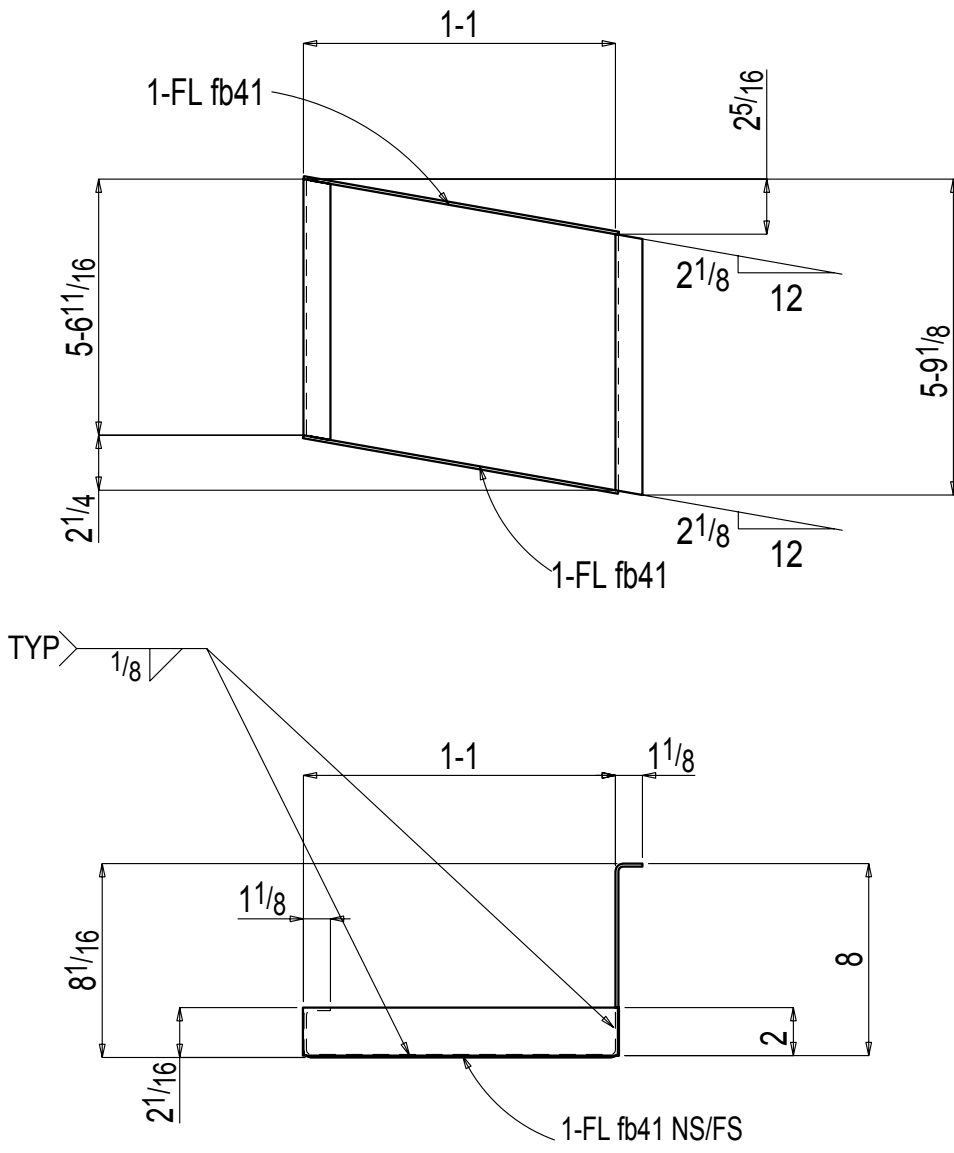
ONE RISER M11M1



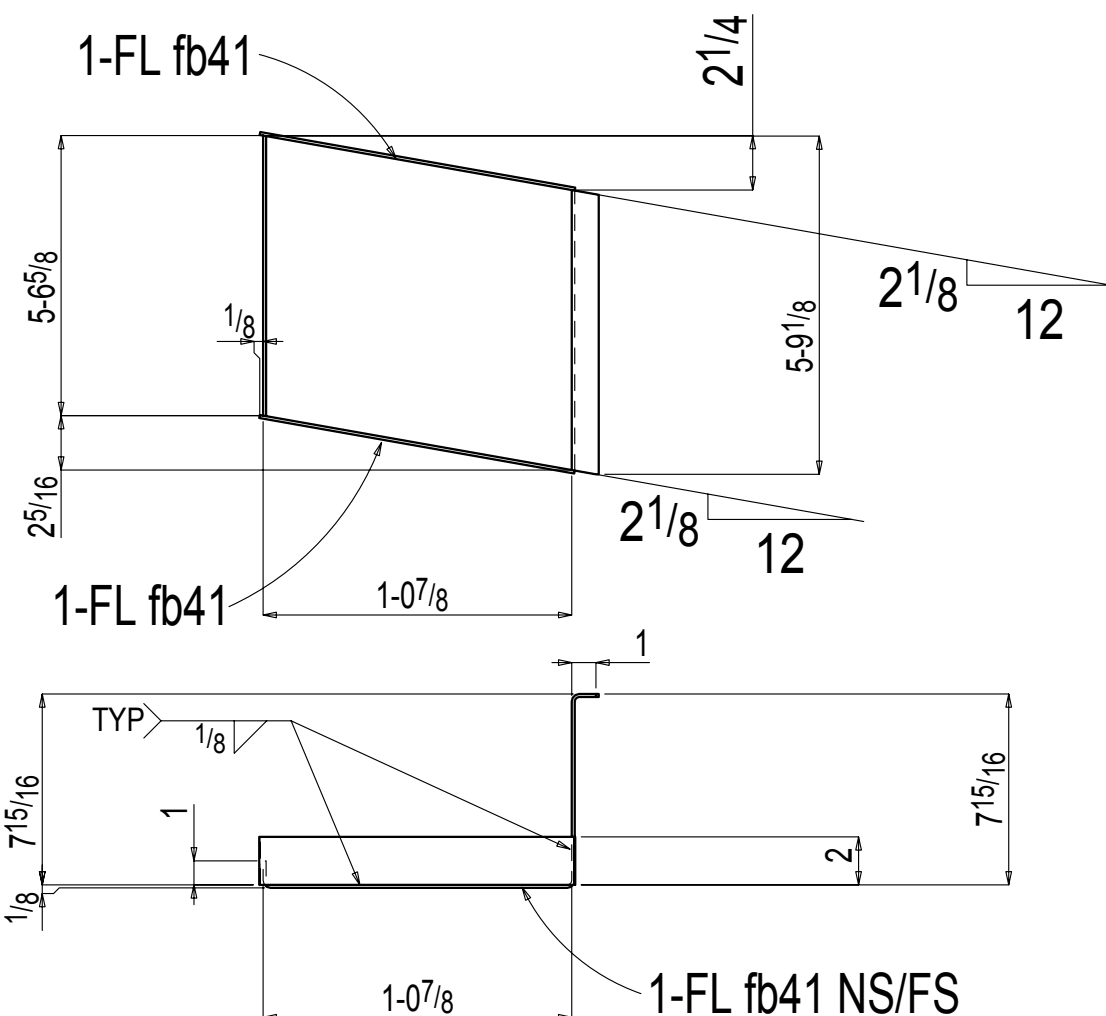
13 RISERS M11M2



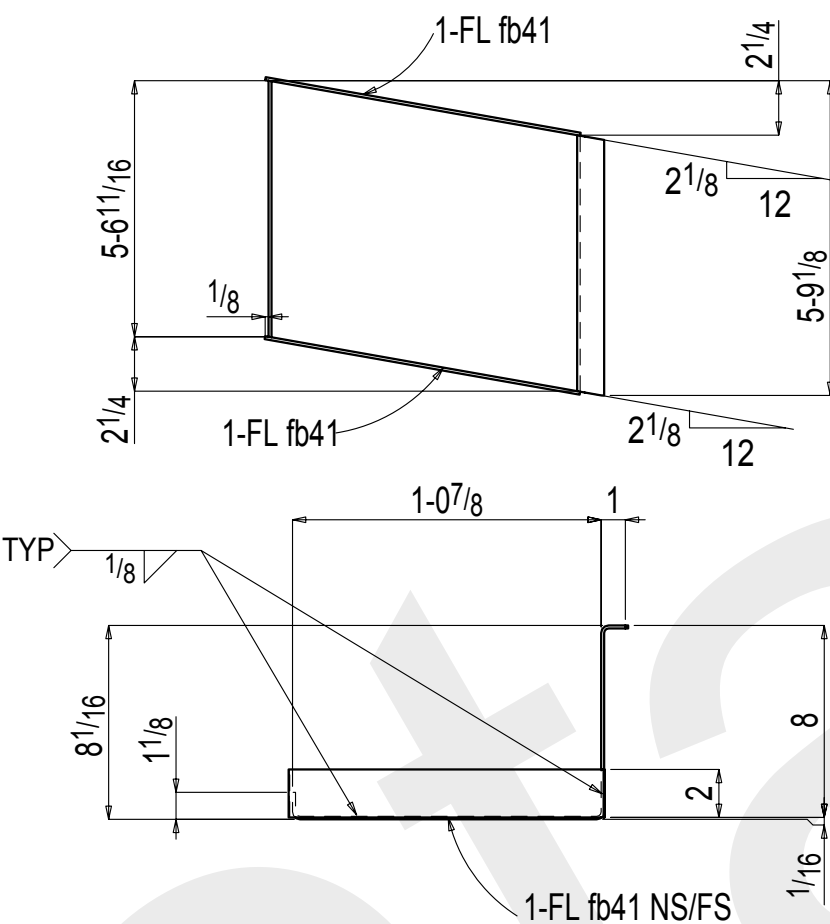
ONE RISER M11M3



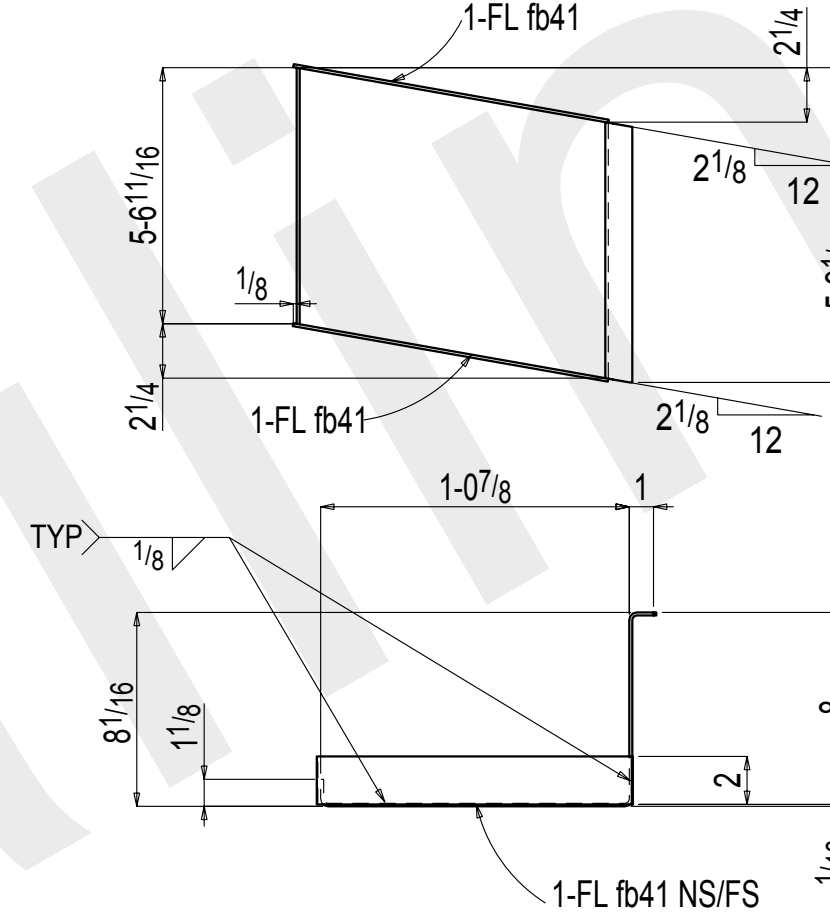
ONE RISER M11M4



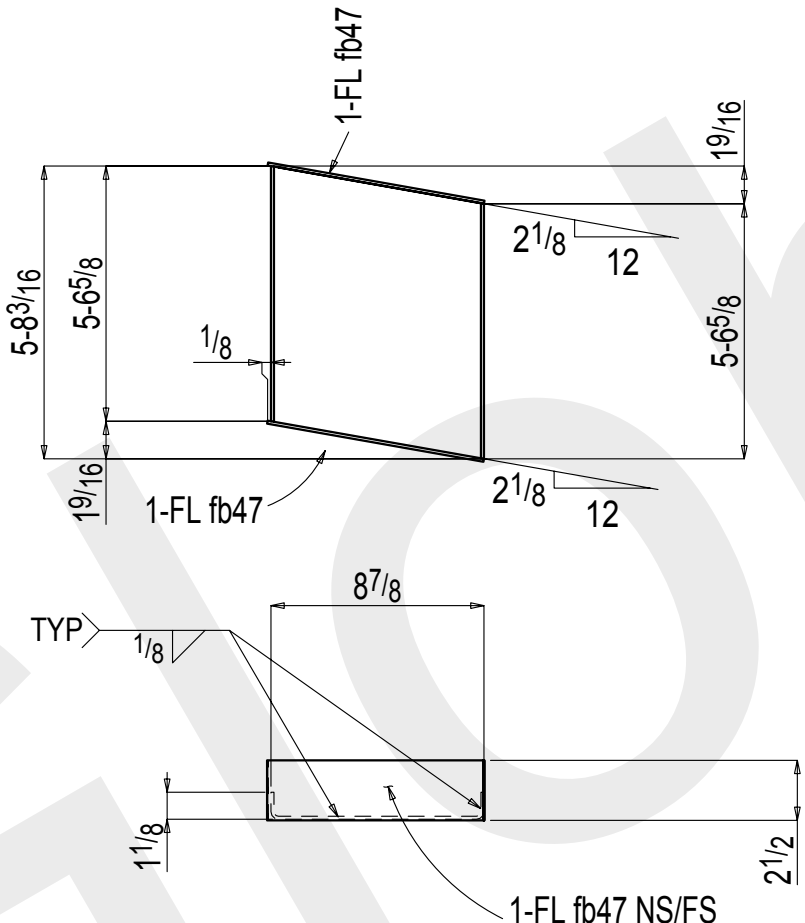
ONE RISER M11M5



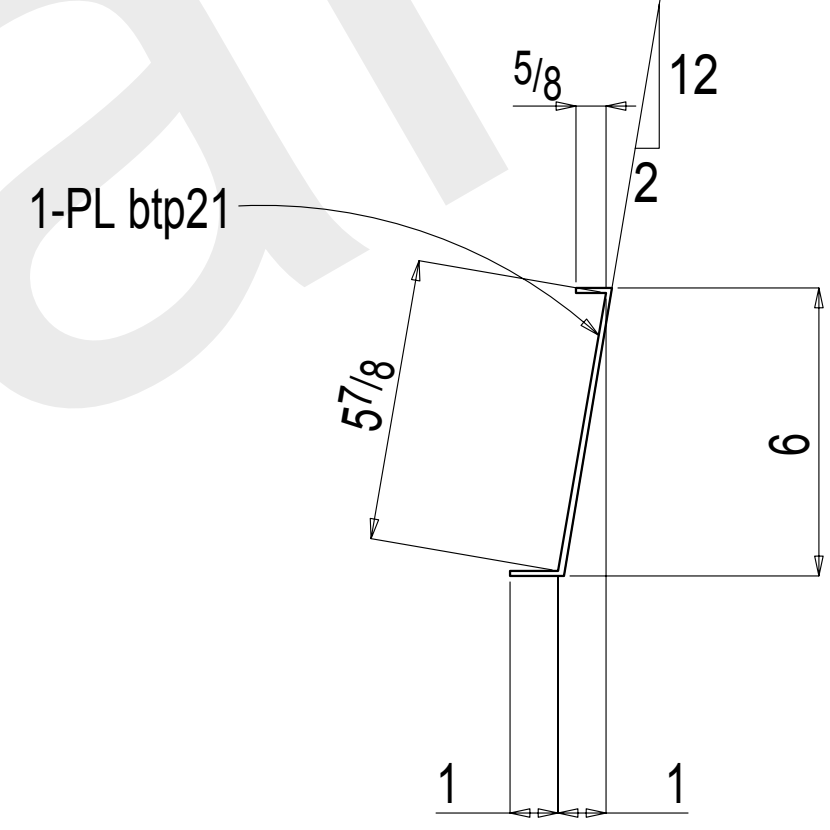
8 RISERS M11M6



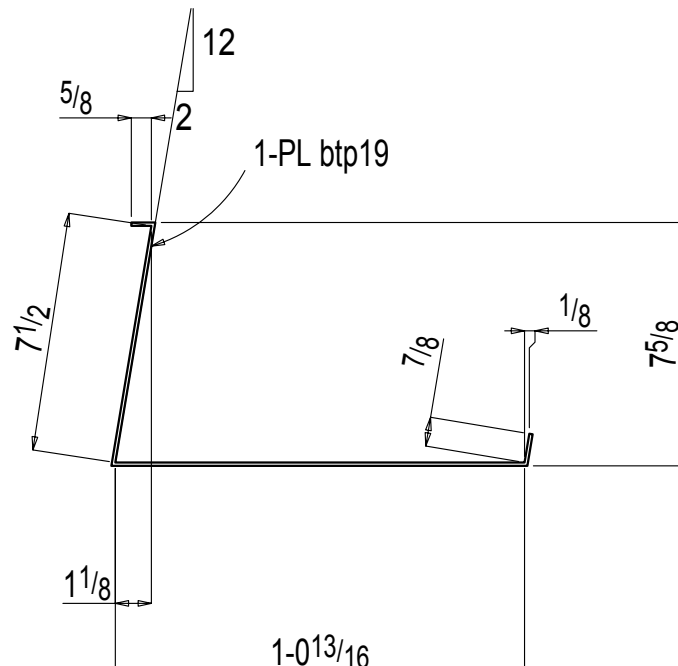
5 RISERS M11M7



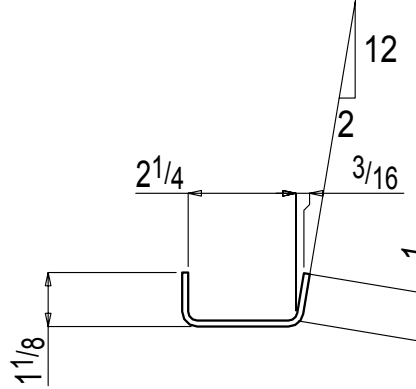
ONE RISER M11M8



ONE RISER M11M9



5 MISCS M11M10



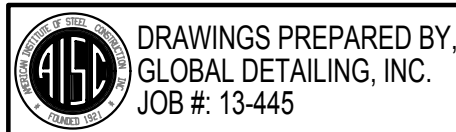
ONE CLOSURE M11M11

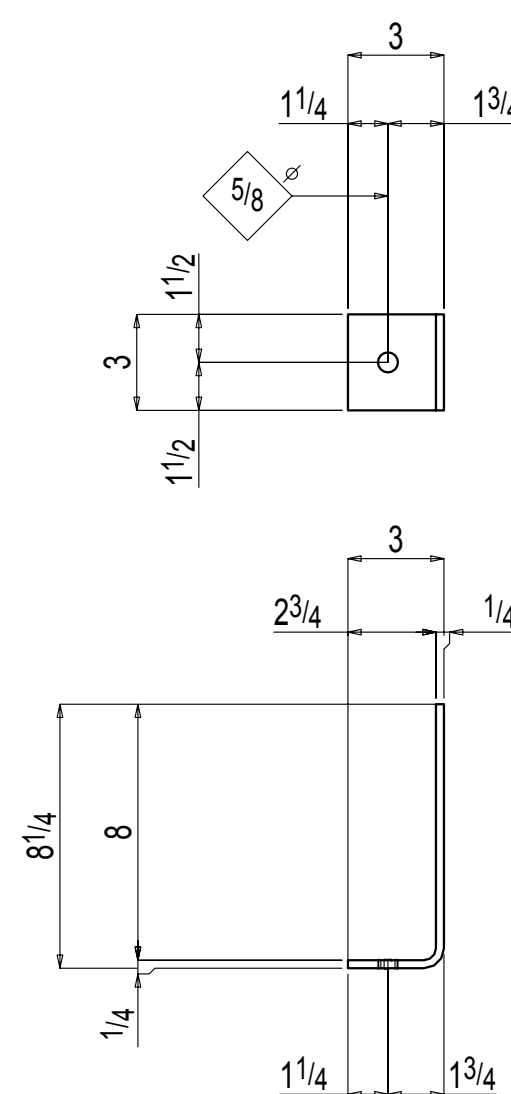
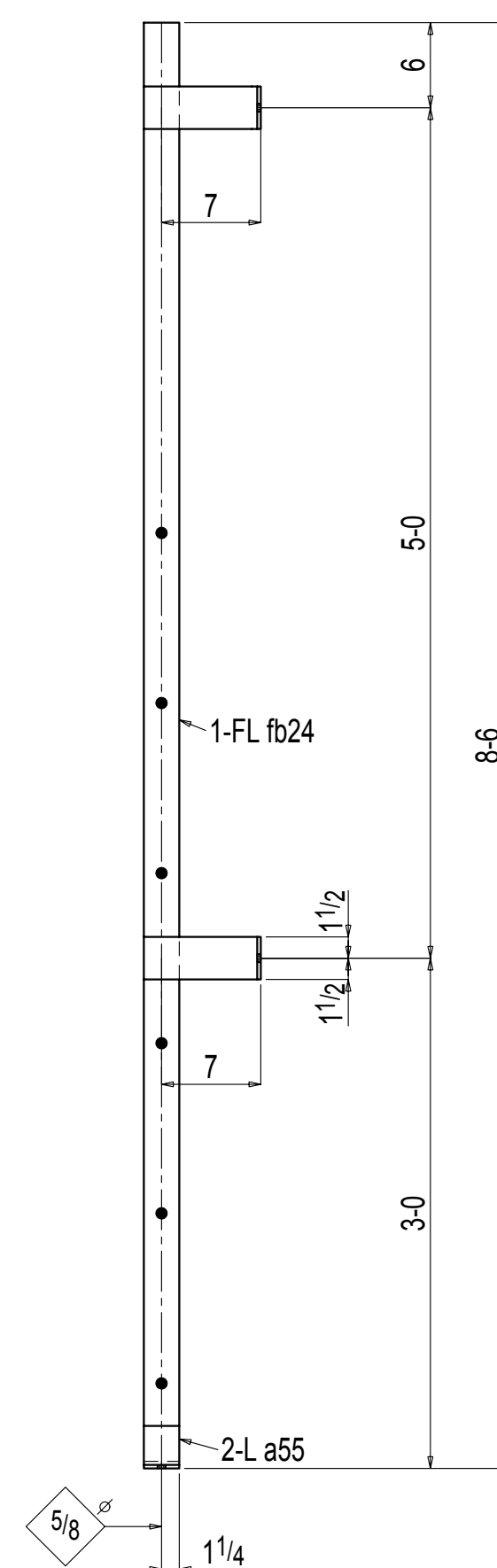
- *MATERIAL: A36 UNLESS NOTED OTHERWISE
- *HOLES: 13/16 Dia U.N.O.
- *WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1
- *BOLTS: 3/4" Dia A325N U.N.O.
- *PAINT: 1 S/C PRIMER
- *SURFACE PREPARATION: SSPC-SP3



BILL OF MATERIAL							
P	L	MARK	No.	REQ'D	Description	LENGTH FT IN	Weight Total
		M11M1	ONE RISER				23
		M11M1	1	BPL 1/8x65 3/4		0 9 7/8	23 BENT
		fb53	2	FL 1/8x1 1/8		0 2	0
		M11M2	13	RISER			710
		M11M2	13	BPL 1/8x65 3/4		1 10 11/16	685 BENT
		fb14	26	FL 1/8x2		1 1 1/8	24
		M11M3	ONE RISER				26
		M11M3	1	BPL 1/8x65 3/4		0 10 5/8	25 BENT
		fb51	2	FL 1/8x2		0 9	1
		M11M4	ONE RISER				60
		M11M4	1	BPL 1/8x66 11/16		2 0 9/16	58 BENT
		fb41	2	FL 1/8x2		1 1 5/16	2
		M11M5	ONE RISER				55
		M11M5	1	BPL 1/8x66 11/16		1 10 5/8	53 BENT
		fb41	2	FL 1/8x2		1 1 5/16	2
		M11M6	8	RISER			442
		M11M6	8	BPL 1/8x66 11/16		1 10 5/8	427 BENT
		fb41	16	FL 1/8x2		1 1 5/16	15
		M11M7	5	RISER			276
		M11M7	5	BPL 1/8x66 11/16		1 10 5/8	266 BENT
		fb41	10	FL 1/8x2		1 1 5/16	9
		M11M8	ONE RISER				27
		M11M8	1	BPL 1/8x66 11/16		0 10 5/8	25 BENT
		fb47	2	FL 1/8x2 1/2		0 9 1/8	2
		M11M9	ONE RISER				10
		btp21	1	BPL 12GAX7 3/4		3 3	10 BENT
		M11M10	5	MISC			128
		btp19	5	BPL 12GAX22 1/8		3 3	128 BENT
		M11M11	ONE CLOSURE				6
		M11M11	1	BPL 12GAX39		0 4 5/16	6 BENT

1	Nov 6 2014	FABRICATION	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	STAIR 1 AND 2 BENT PLATE RISERS		JOB# 14-68
CHKD. BY			SHEET# M11
DATE 11.7.14	REYNOLDS IRON WORKS, INC.		
SCALE	157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		





ONE LADDER M12L1

[illegible]

DESCRIPTION	REVISIONS

REYNOLDS IRON WORKS, INC
157 PALMER INDUSTRIAL ROAD
WILLIAMSPORT, PA 17701

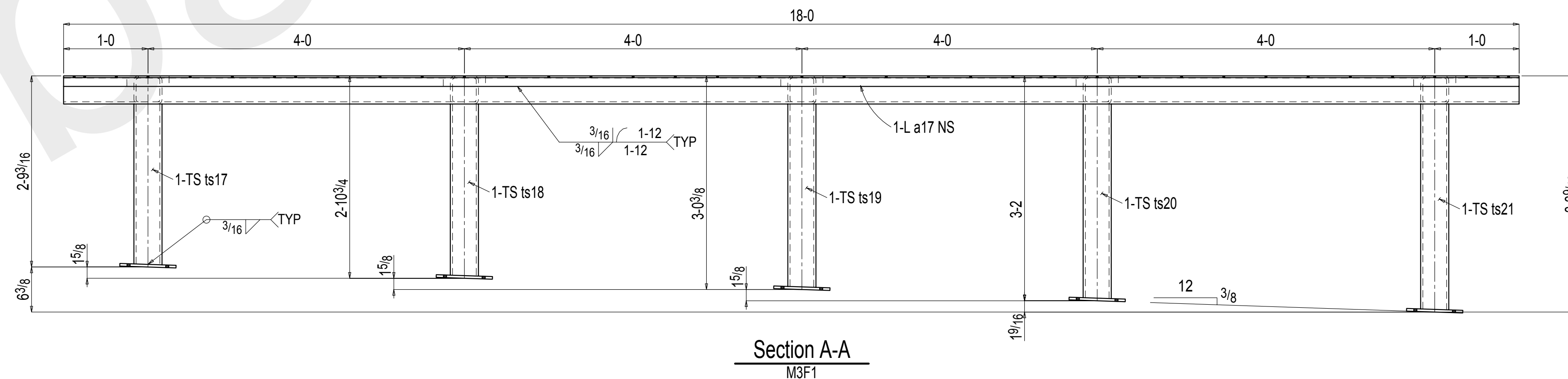
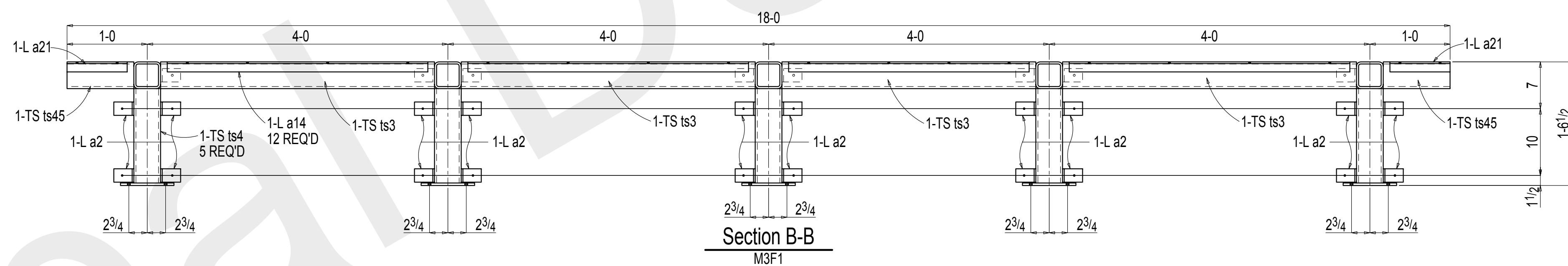


*SURFACE PREPARATION: SSPC-SP3





1	Dec 10 2014	FABRICATION	TDB
1	Nov 6 2014	FLD - CHASIS ONLY	TDB
A	Nov 5 2014	APPROVAL	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB		MISC STEEL DETAILS	JOB# 14-68
CHK'D. BY			SHEET# M2
DATE 11.5.14		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	
SCALE			



1	Dec 10 2014	FABRICATION	TD
1	Nov 6 2014	FLD - CHASIS ONLY	TD
A	Nov 5 2014	APPROVAL	TD
REV	DATE	DESCRIPTION	BY

REVISIONS			
SE			
ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB	MISC STEEL DETAILS	JOB# 14-68	
CHK'D BY		SHEET# M3	
DATE 11.5.14	REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701		
SCALE			

FLD VERIFY BEFORE FABRICATION



*MATERIAL: A36 UNLESS NOTED OTHERWISE

*HOLES: 13/16 Dia U.N.O.

*WELDING: E70XX OR E7XT-X ALL WELDING MUST BE DONE IN ACCORDANCE WITH A.W.S. D1.1

*BOLTS: 3/4" Dia A325N U.N.O.

*PAINT: 1 S/C PRIMER

*SURFACE PREPARATION: SSPC-SP3



5

1.0

VARIES

TYP $\frac{3}{16}$ $\frac{3}{16}$

Section A-A

MSS1



DRAWINGS PREPARED BY,
GLOBAL DETAILING, INC.
JOB #: 13-445

1	Nov 6 2014	FABRICATION	TDB
REV	DATE	DESCRIPTION	BY
REVISIONS			
SE ALFRED UNIVERSITY MUSEUM OF CERAMIC ART ALFRED, NY			
DRAWN BY TDB		STAIR 1 STRINGERS	JOB# 14-68
CHK'D. BY			SHEET# M9
DATE 11.7.14 SCALE		REYNOLDS IRON WORKS, INC. 157 PALMER INDUSTRIAL ROAD WILLIAMSPORT, PA 17701	