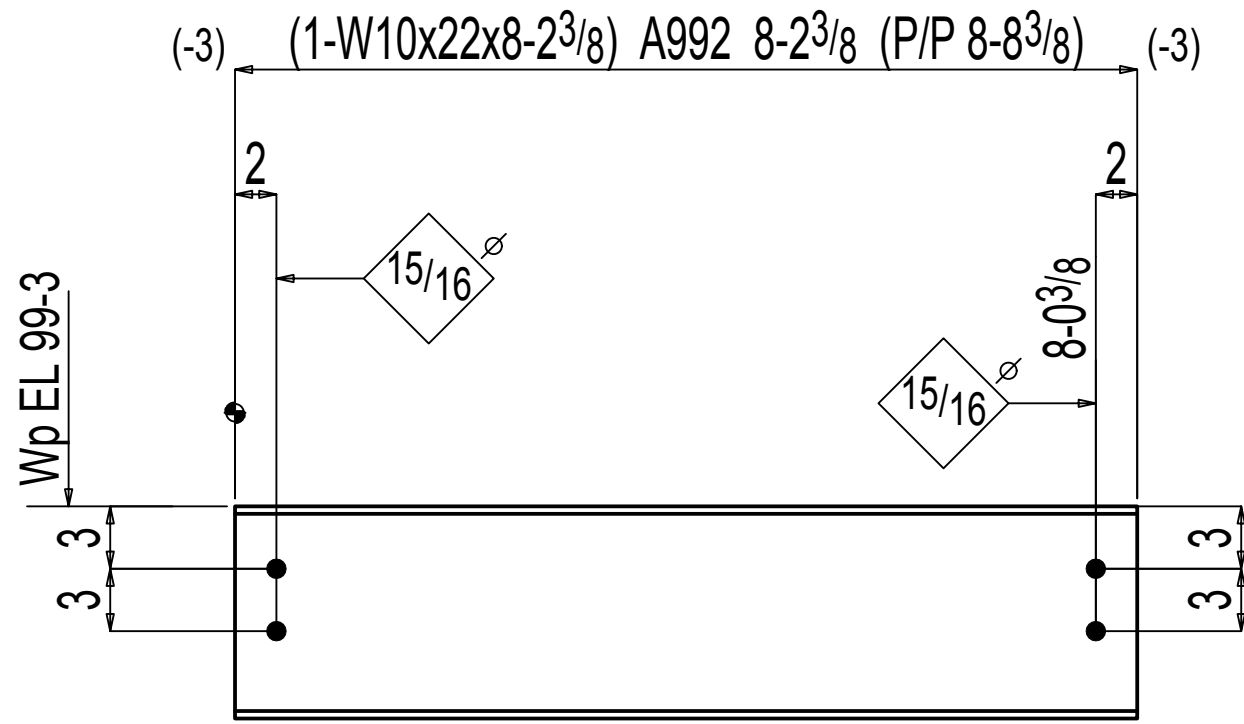
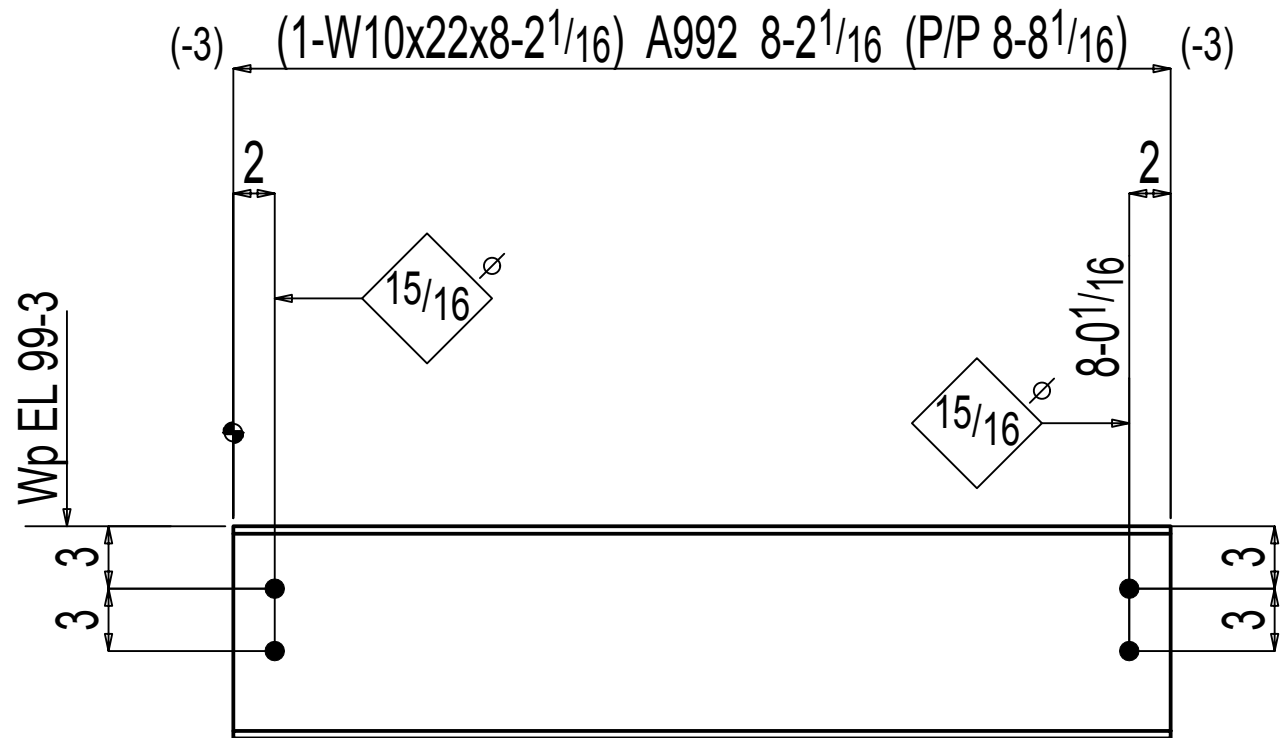




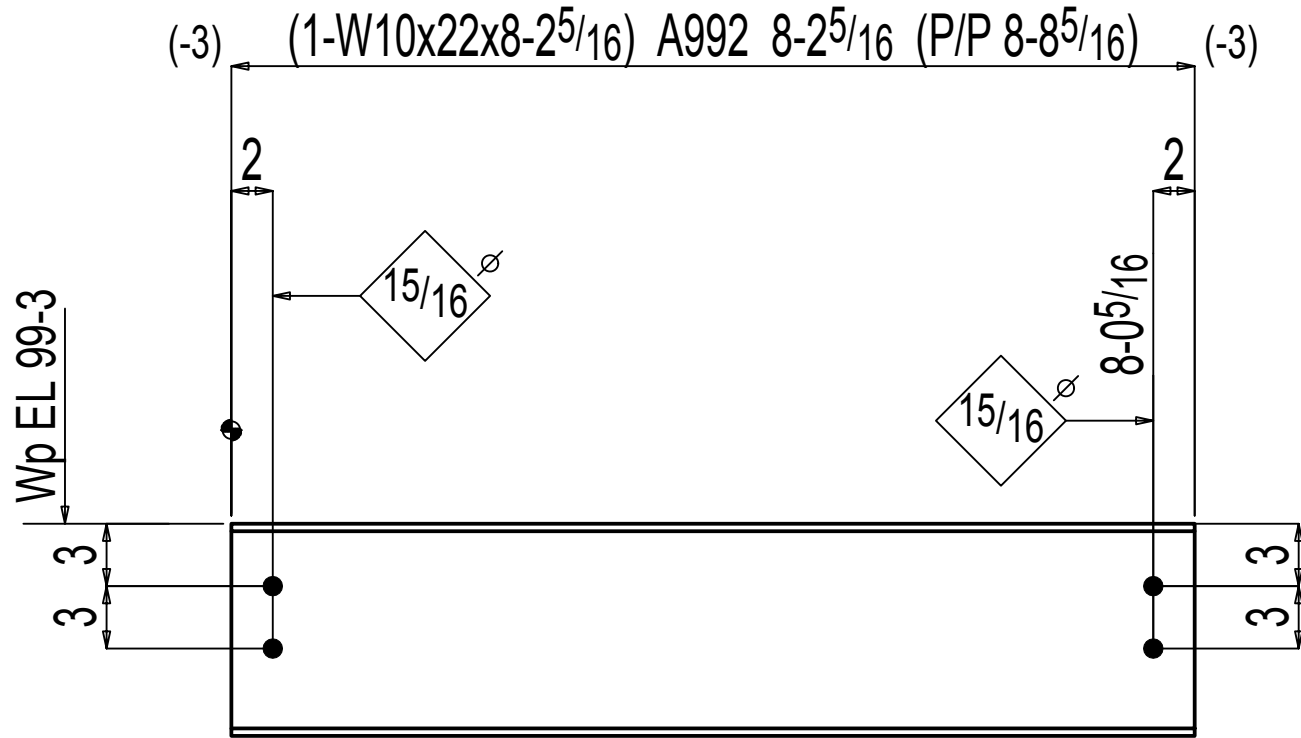
ONE BEAM 10B1

W	10 ³ / ₁₆ x1 ¹ / ₄
F	5 ³ / ₄ x3 ³ / ₈
K	15 ¹ / ₁₆ x11 ¹ / ₁₆



ONE BEAM 10B2

W	10 ³ / ₁₆ x1 ¹ / ₄
F	5 ³ / ₄ x3 ³ / ₈
K	15 ¹ / ₁₆ x11 ¹ / ₁₆



ONE BEAM 10B3

W	10 ³ / ₁₆ x1 ¹ / ₄
F	5 ³ / ₄ x3 ³ / ₈
K	15 ¹ / ₁₆ x11 ¹ / ₁₆

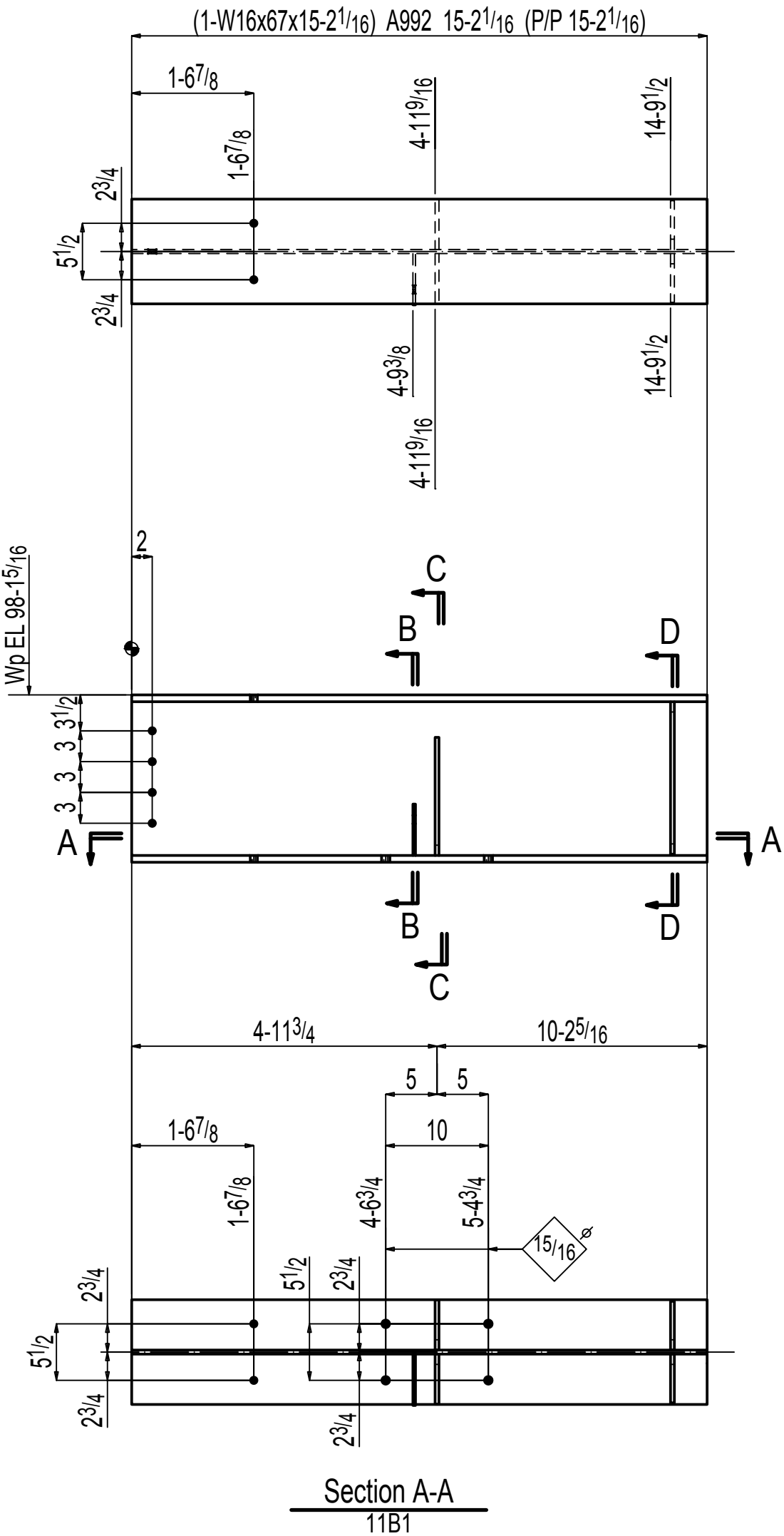
BILL OF MATERIAL

MARK	QTY	DESCRIPTION	FT	IN	REMARKS
10B1	ONE	BEAM			
10B1	1	W10x22	8	2 ³ / ₈	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH
10B2	ONE	BEAM			
10B2	1	W10x22	8	2 ¹ / ₁₆	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH
10B3	ONE	BEAM			
10B3	1	W10x22	8	2 ⁵ / ₁₆	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH

SHOP NOTE:
SURFACE PREP:SSPC-SP2

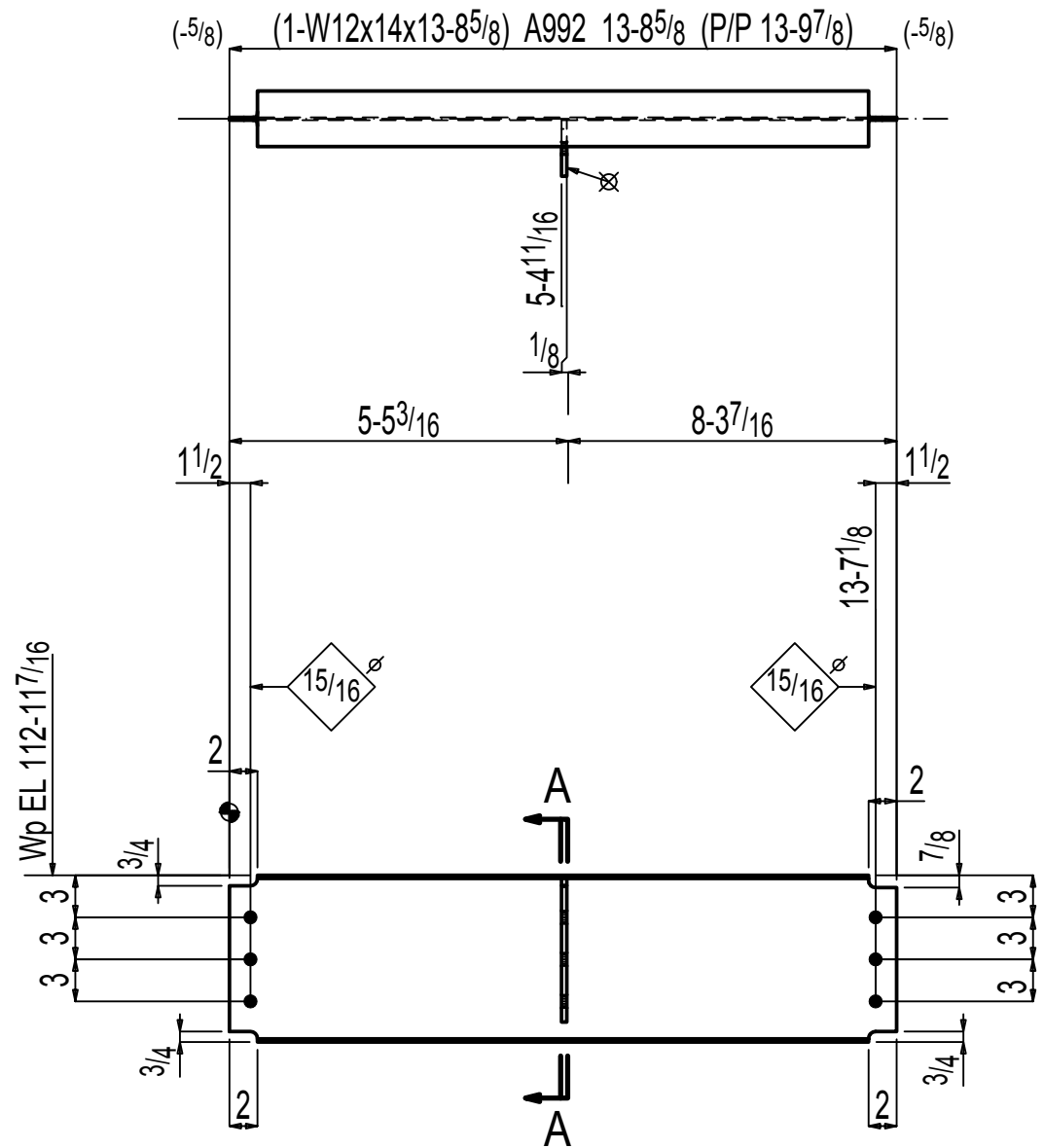
HOLES: 13/16 DIA U.N.O.		FINISH: STD SHOP PRIMER	
REV	DATE	DESCRIPTION	BY
△			
△			
△			
△			RJL
△			RJL

CLIENT:	
ARCH & ENGR:	
JOB NAME:	
LOCATION:	
DETAIL OF:	
DATE:	DRAWN BY:
CHECKED BY:	JOB #
DWG. #	10



ONE BEAM 11B1

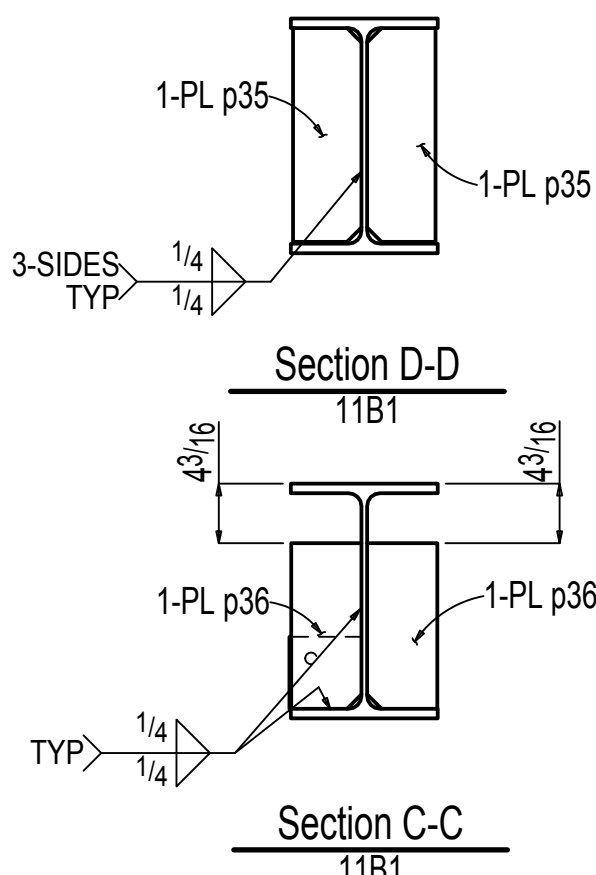
W | 165 1/16x3 3/8
F | 103 1/16x1 1/16
K | 19 1/16x1 1/8



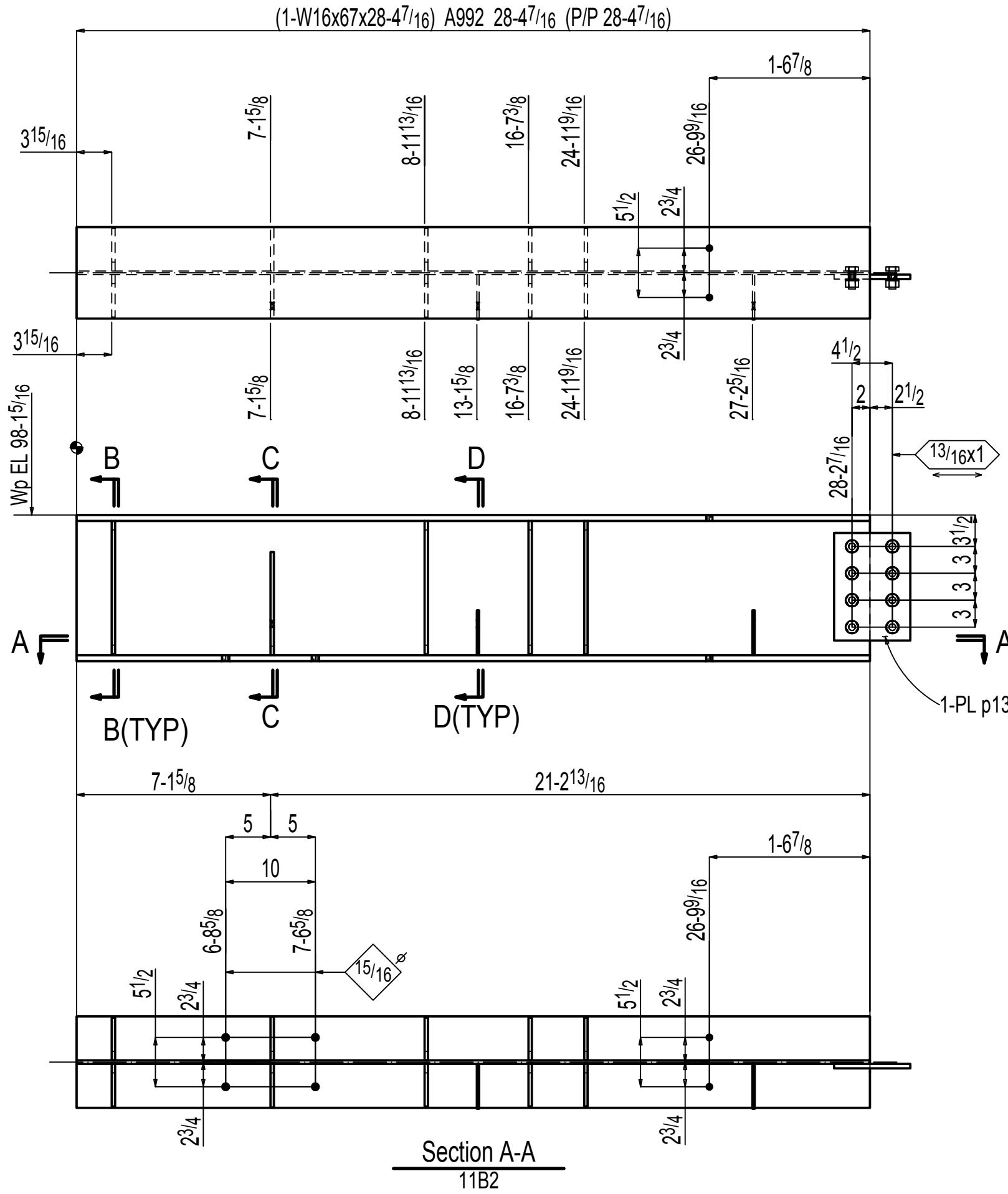
ONE BEAM 11B3

W | 117 8x3 1/16
F | 4x3/4
K | 3 4x5/8

ISSUED FOR RE-APPROVAL.



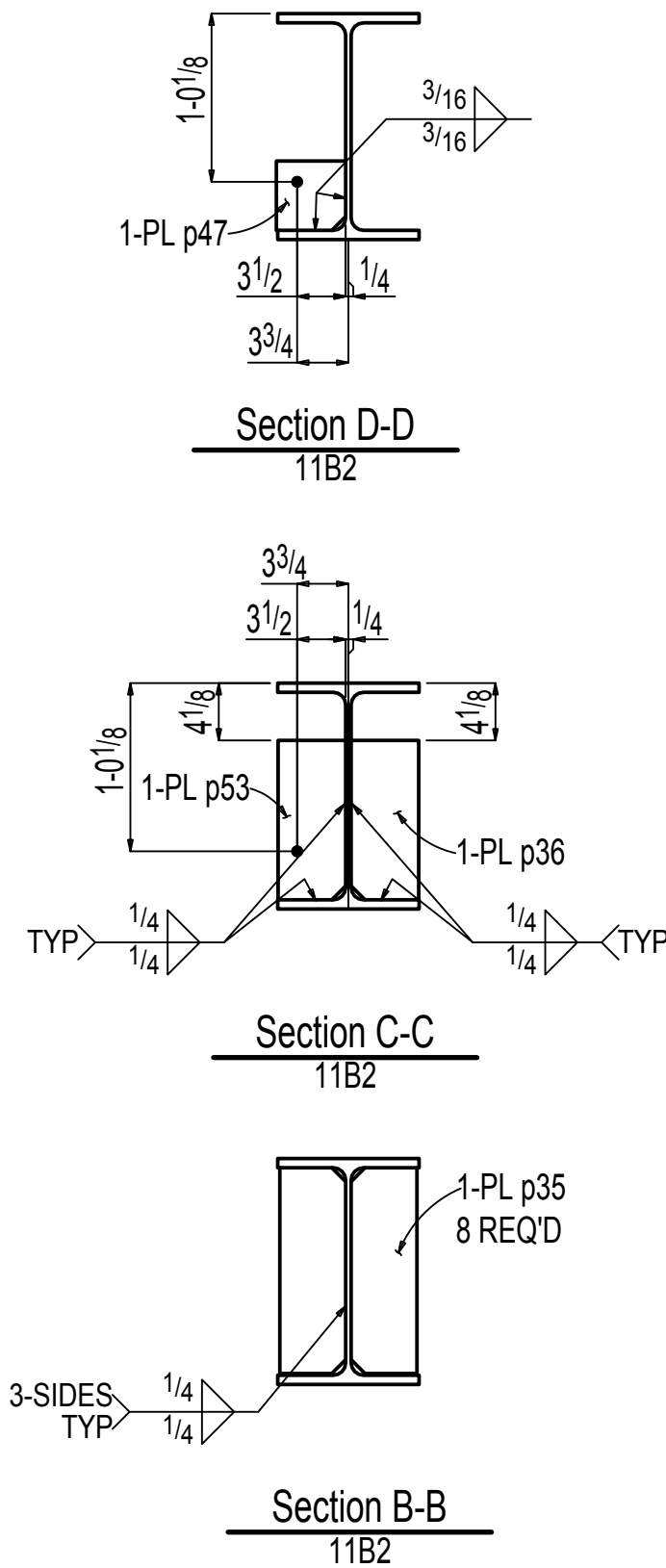
ONE BEAM 11B1



ONE BEAM 11B2

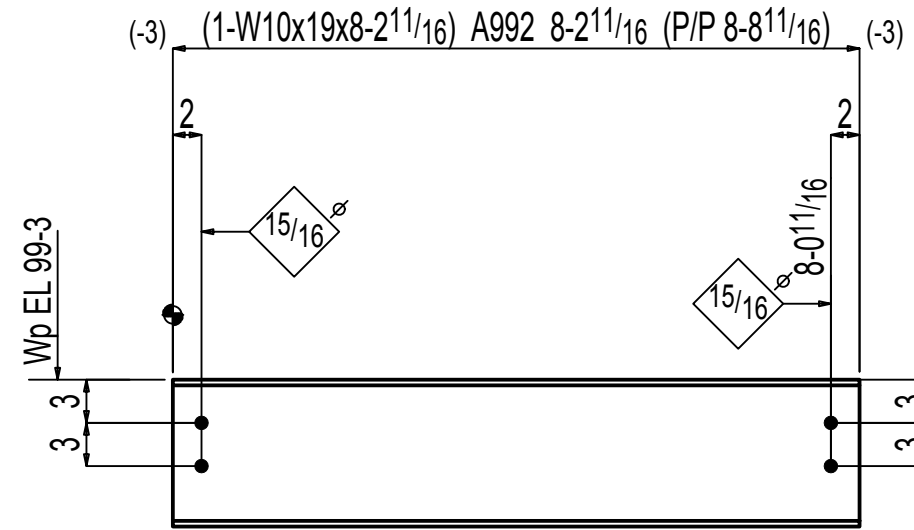
W | 165 1/16x3 3/8
F | 103 1/16x1 1/16
K | 19 1/16x1 1/8

SHOP BOLTS:
8-3/4 Diax2 A325N



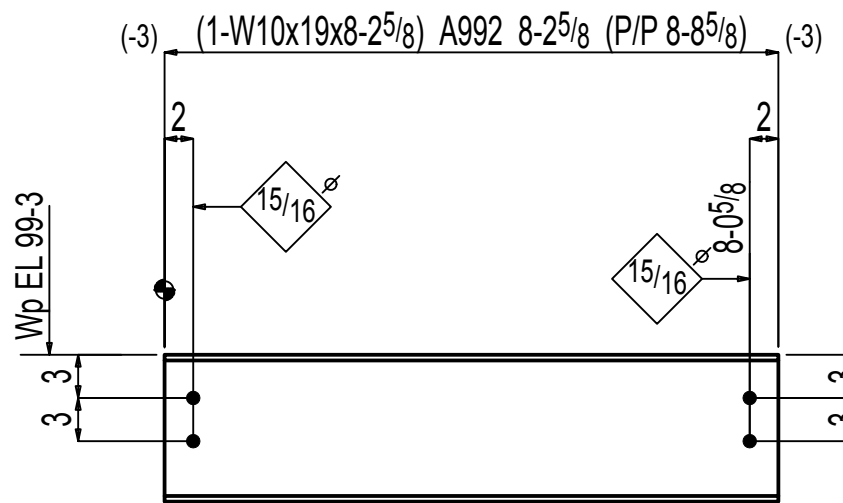
ONE BEAM 11B2

W | 103 1/16x1 1/4
F | 4x3/8
K | 15 1/16x1 1/16



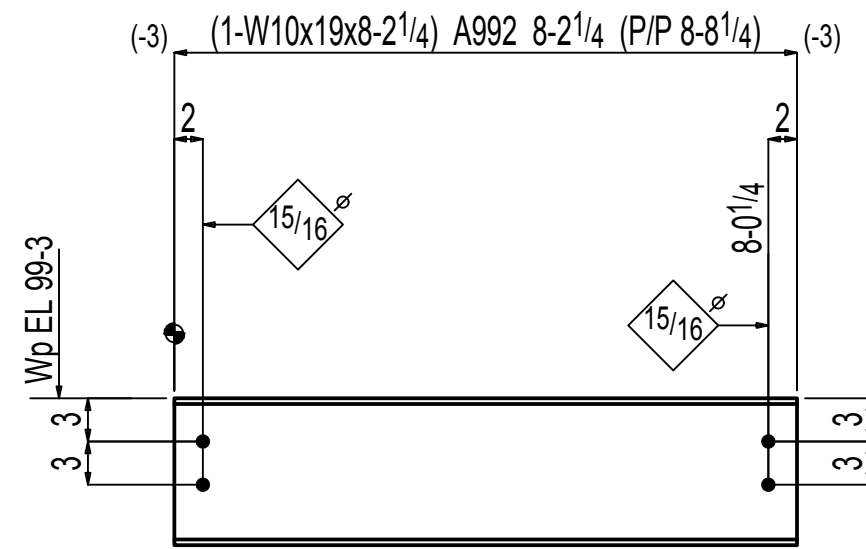
ONE BEAM 11B4

W | 103 1/16x1 1/4
F | 4x3/8
K | 15 1/16x1 1/16



ONE BEAM 11B5

W | 103 1/16x1 1/4
F | 4x3/8
K | 15 1/16x1 1/16



ONE BEAM 11B6

W | 103 1/16x1 1/4
F | 4x3/8
K | 15 1/16x1 1/16

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	FT	IN	REMARKS
11B1	ONE	BEAM			
11B1	1	W16x67	15	2 1/16	A992
p36	2	PL 3/8x4 7/8	0	1 1/2	A36
p35	2	PL 3/8x4 3/4	1	2 7/8	A36
p47	1	PL 1/4x5	0	5	A36
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2 3/4	+1HD WASH
	4	3/4 Dia A325N	0	2	+1HD WASH
11B2	ONE	BEAM			
11B2	1	W16x67	28	4 7/16	A992
p34	1	PL 1/2x8 1/2	1	0	A572-50
p36	1	PL 3/8x4 7/8	0	1 1/2	A36
p53	1	PL 3/8x4 7/8	0	1 1/2	A36
p35	8	PL 3/8x4 3/4	1	2 7/8	A36
p47	2	PL 1/4x5	0	5	A36
	8	3/4 Dia A325N	0	2	+1HD WASH
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2 3/4	+1HD WASH
11B3	ONE	BEAM			
11B3	1	W12x14	13	8 5/8	A992
f263	1	FB 3/8x4	0	10 1/4	A572-50
		FIELD BOLTS			
	6	7/8 Dia A325N	0	1 3/4	+1HD WASH
11B4	ONE	BEAM			
11B4	1	W10x19	8	2 1 1/16	A992
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH
11B5	ONE	BEAM			
11B5	1	W10x19	8	2 5/8	A992
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH
11B6	ONE	BEAM			
11B6	1	W10x19	8	2 1/4	A992
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH

SHOP NOTE:
SURFACE PREP:SSPC-SP2

REV	DATE	DESCRIPTION	BY
A			
B			
C			
D			
E			

CLIENT:

ARCH & ENGR:

JOB NAME:

LOCATION:

DETAIL OF:

DATE:

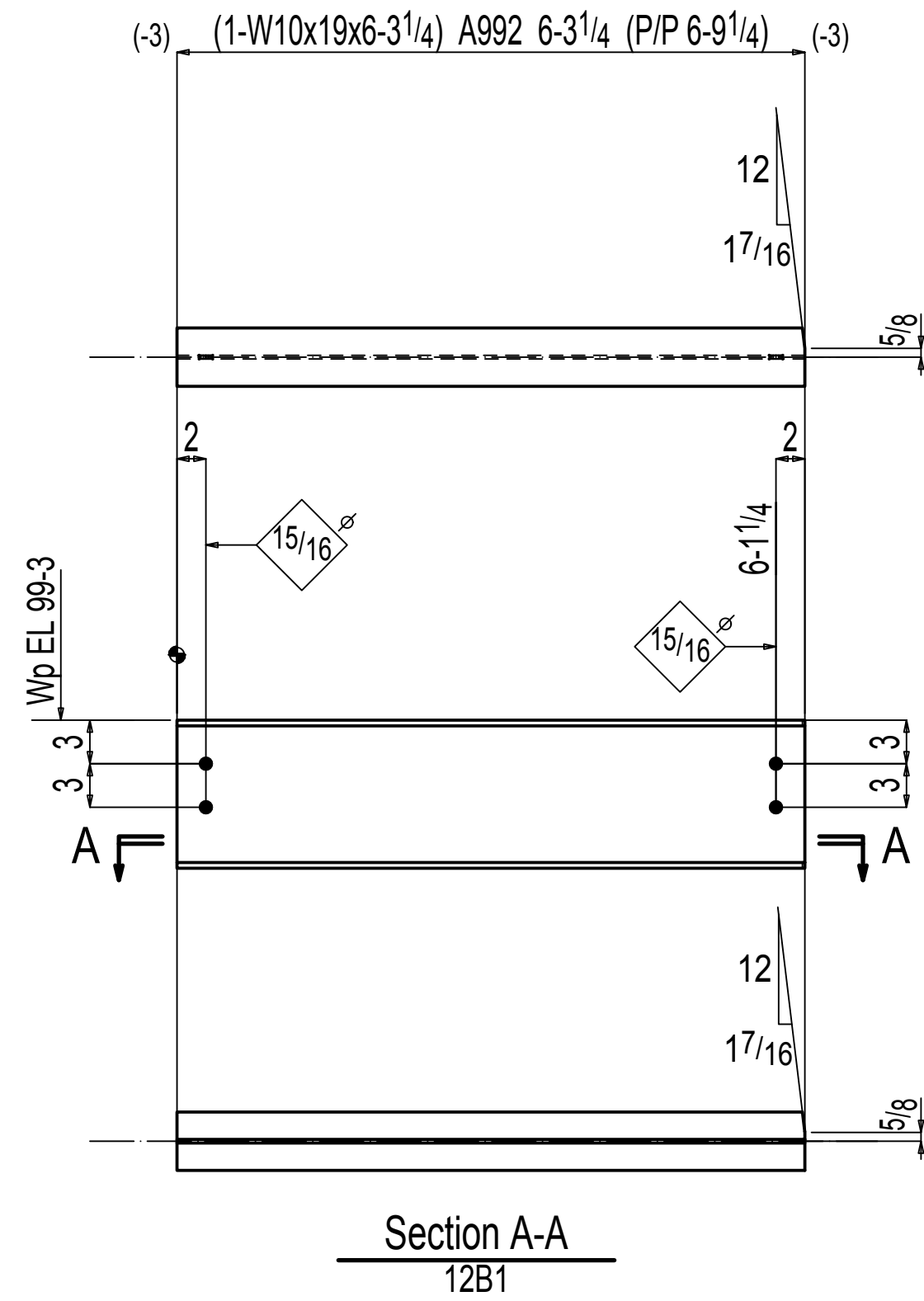
DRAWN BY:

CHECKED BY:

JOB #

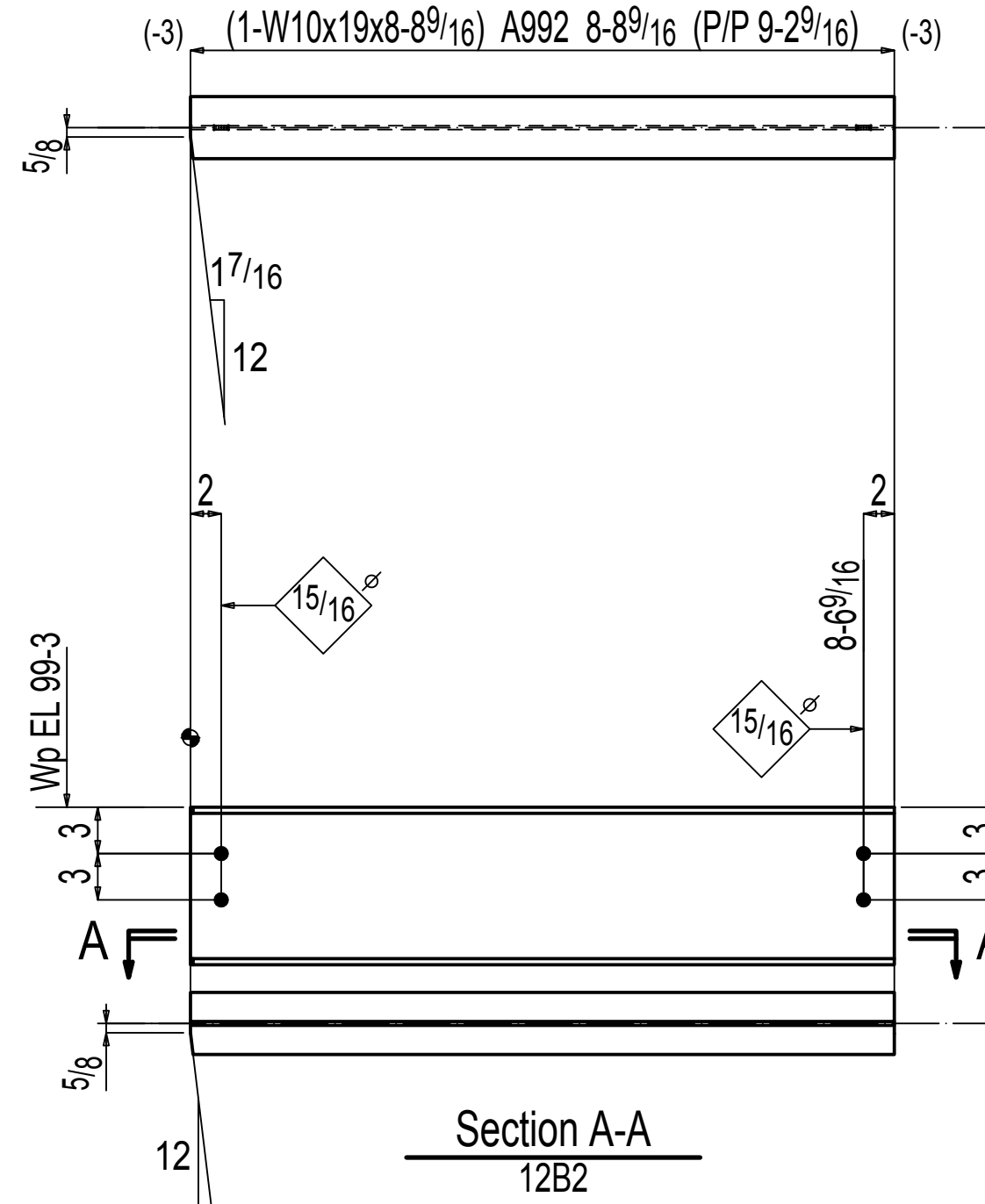
DWG. #

11



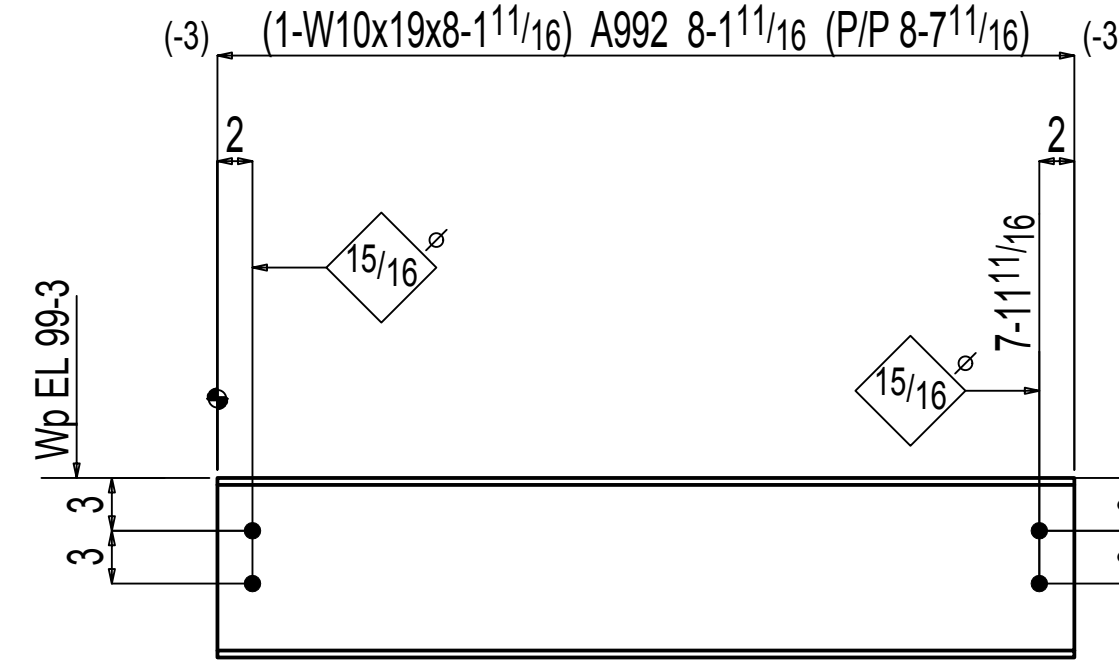
ONE BEAM 12B1

W | 10³/₁₆x1¹/₄
F | 4x³/₈
K | 15¹/₁₆x11¹/₁₆



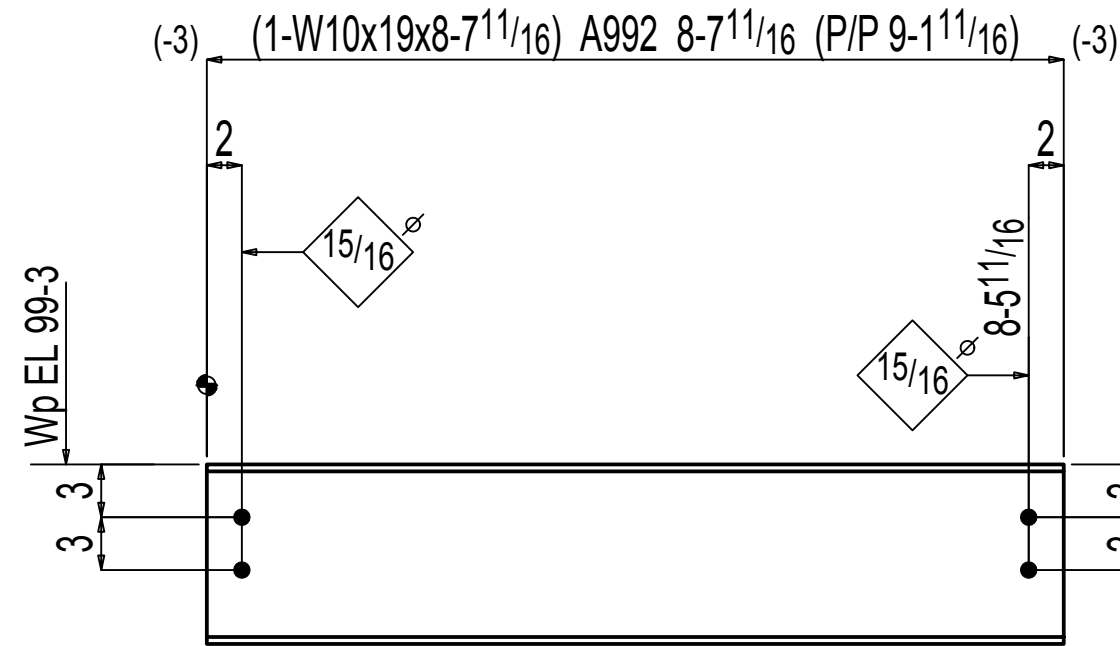
ONE BEAM 12B2

W | 10³/₁₆x1¹/₄
F | 4x³/₈
K | 15¹/₁₆x11¹/₁₆



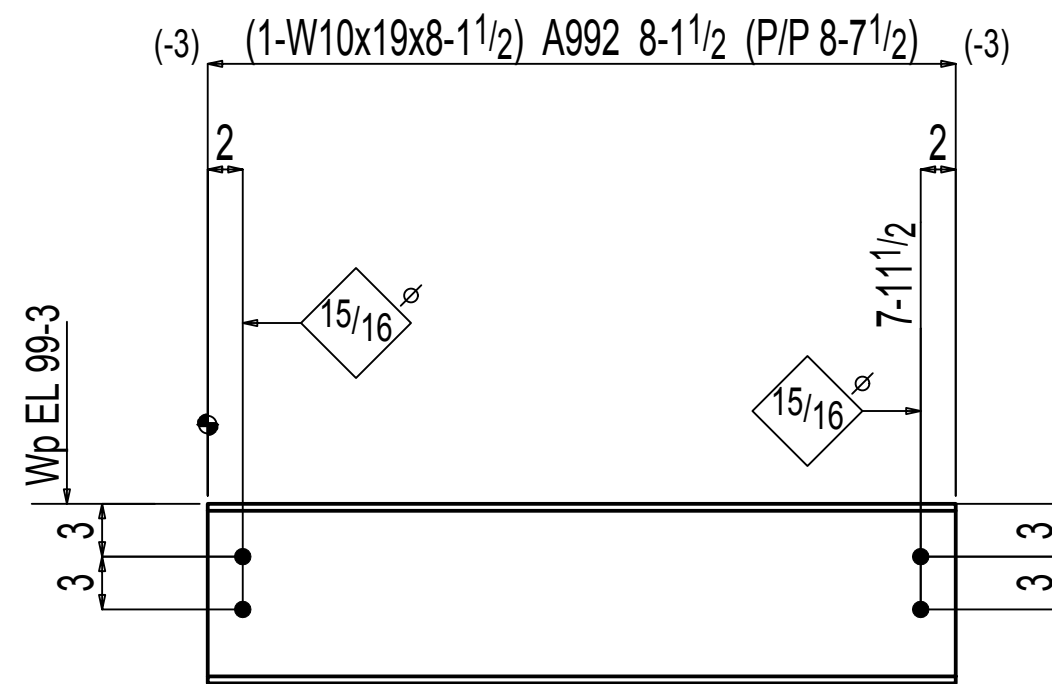
ONE BEAM 12B3

W | 10³/₁₆x1¹/₄
F | 4x³/₈
K | 15¹/₁₆x11¹/₁₆



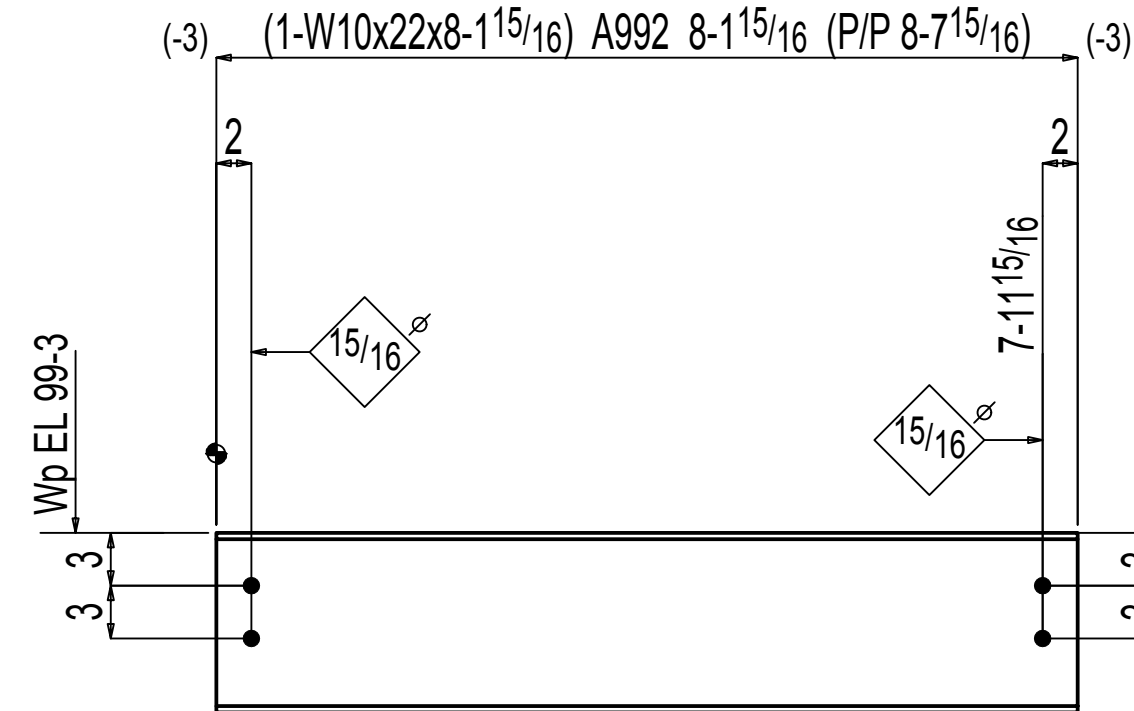
ONE BEAM 12B5

W | 10³/₁₆x1¹/₄
F | 4x³/₈
K | 15¹/₁₆x11¹/₁₆



ONE BEAM 12B6

W | 10³/₁₆x1¹/₄
F | 4x³/₈
K | 15¹/₁₆x11¹/₁₆



2 BEAMS 12B7

W | 10³/₁₆x1¹/₄
F | 5³/₄x³/₈
K | 15¹/₁₆x11¹/₁₆

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	FT	IN	REMARKS
12B1	ONE	BEAM			
12B1	1	W10x19	6	3 1/4	A992
		FIELD BOLTS			
	2	7/8 Dia A323N	0	2	+1HD WASH
12B2	ONE	BEAM			
12B2	1	W10x19	8	8 9/16	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH
12B3	ONE	BEAM			
12B3	1	W10x19	8	11 1/16	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH
12B5	ONE	BEAM			
12B5	1	W10x19	8	7 11/16	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH
12B6	ONE	BEAM			
12B6	1	W10x19	8	1 1/2	A992
		FIELD BOLTS			
	4	7/8 Dia A323N	0	2	+1HD WASH
12B7	2	BEAM			
12B7	2	W10x22	8	11 5/16	A992
		FIELD BOLTS			
	8	7/8 Dia A323N	0	2	+1HD WASH

12B4 COMBINED WITH 8B2.

SHOP NOTE:
SURFACE PREP:SSPC-SP2

HOLES: 13/16 DIA U.N.O.		FINISH: STD SHOP PRIMER	
REV	DATE	DESCRIPTION	BY
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△			
△			
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CLIENT:

ARCH & ENGR:

JOB NAME:

LOCATION:

DETAIL OF:

DATE:

DRAWN BY:

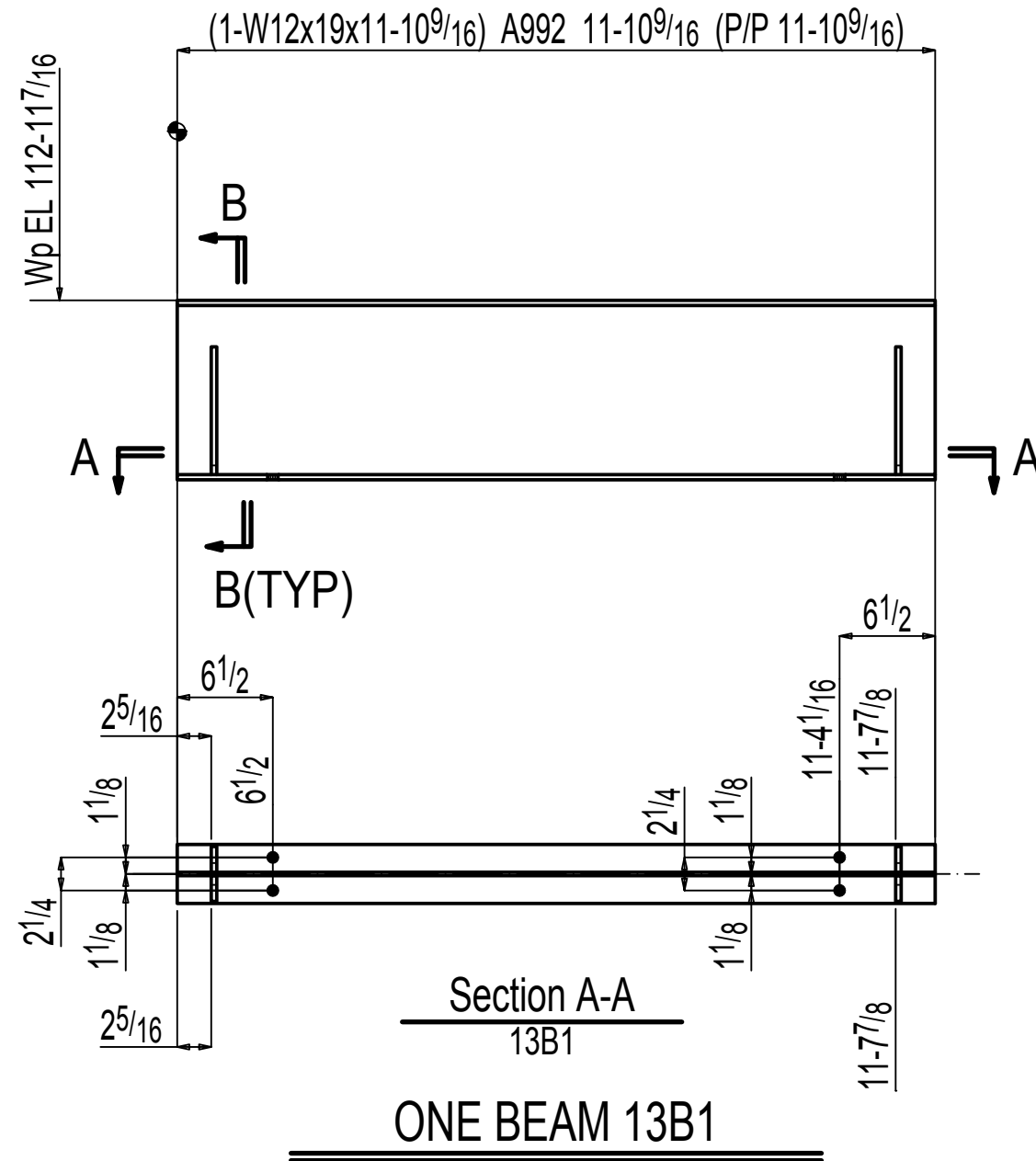
CHECKED BY:

JOB #

DWG. #

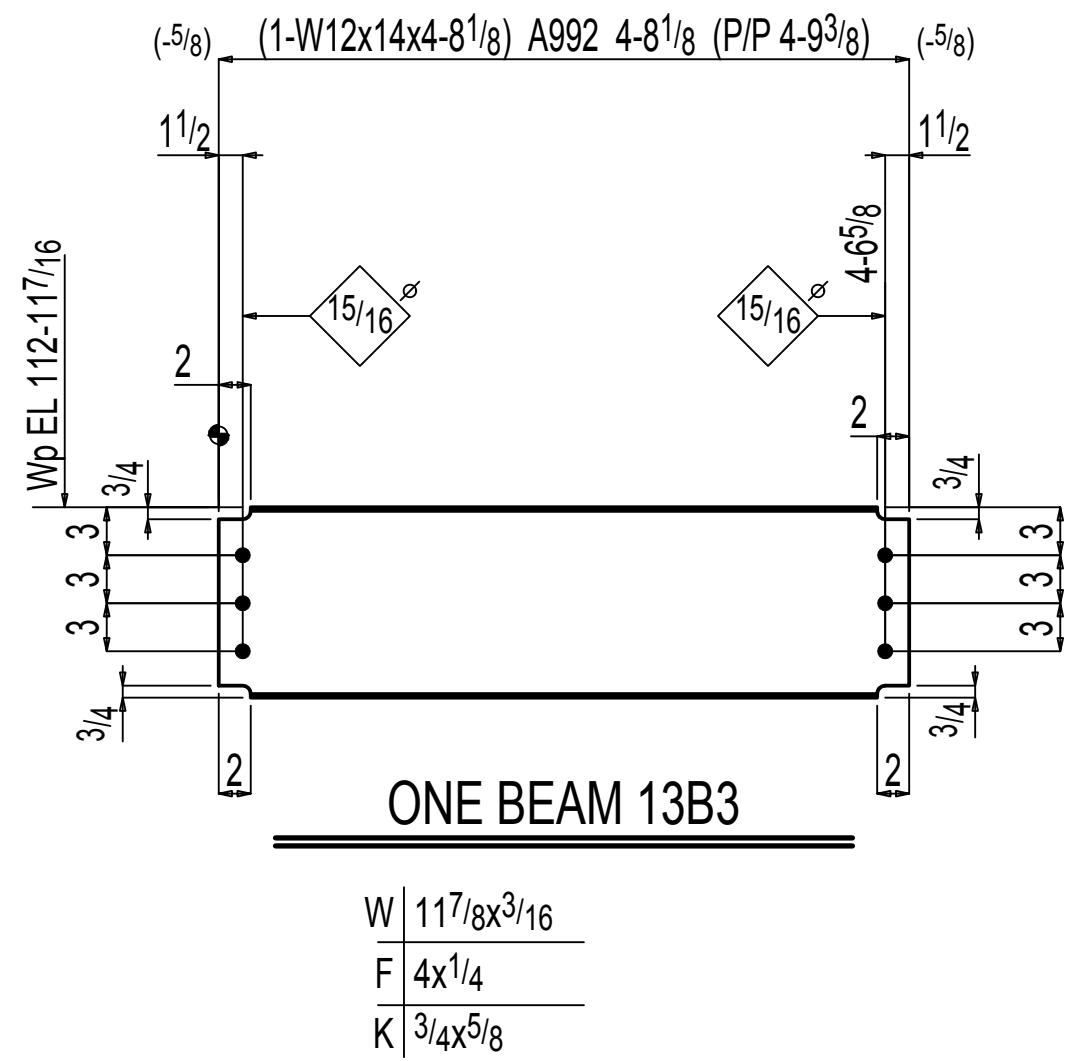
12

0



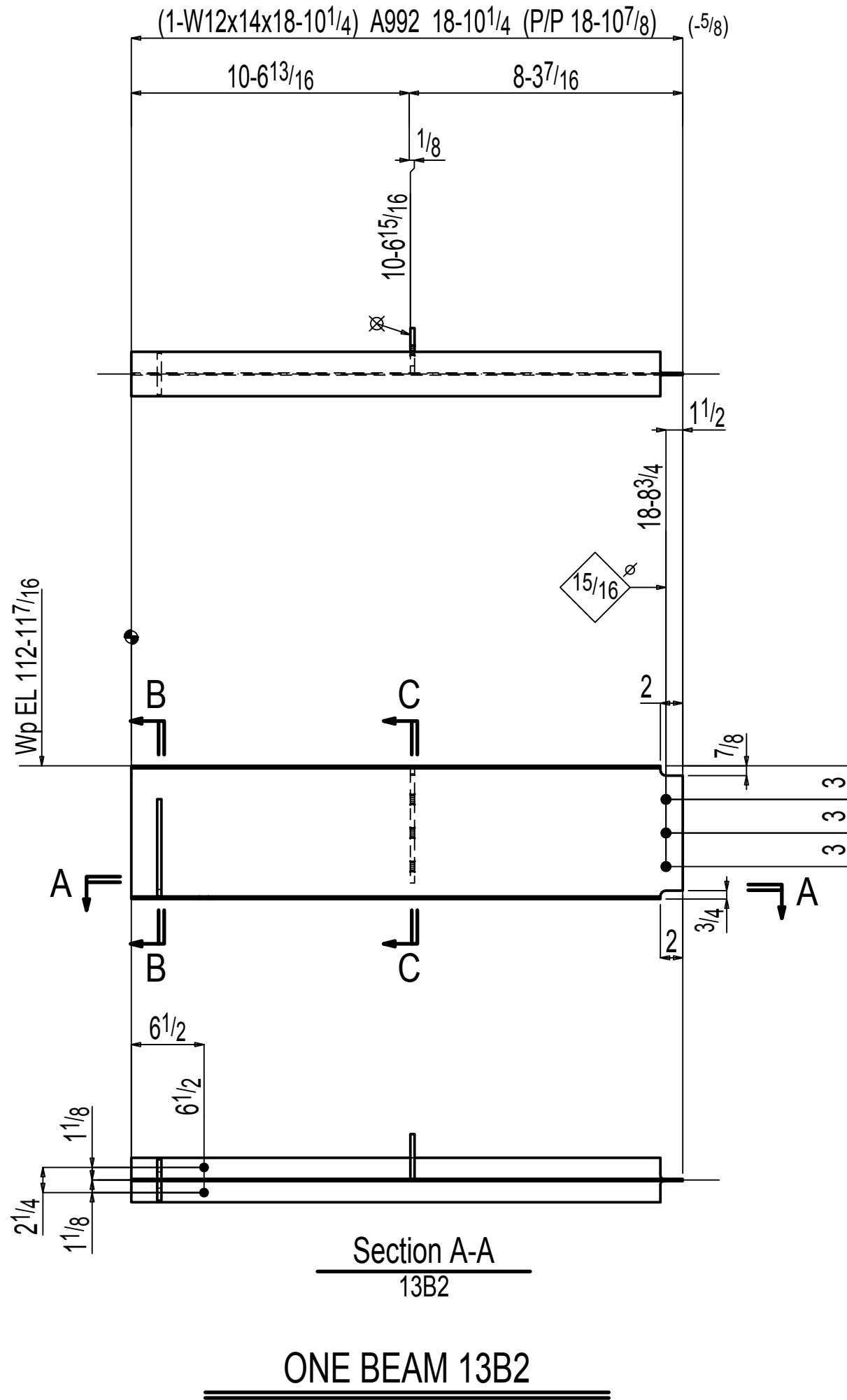
W 12 3/16 x 1/4
F 4 x 3/8
K 7 1/8 x 5/8

ISSUED FOR RE-APPROVAL. C



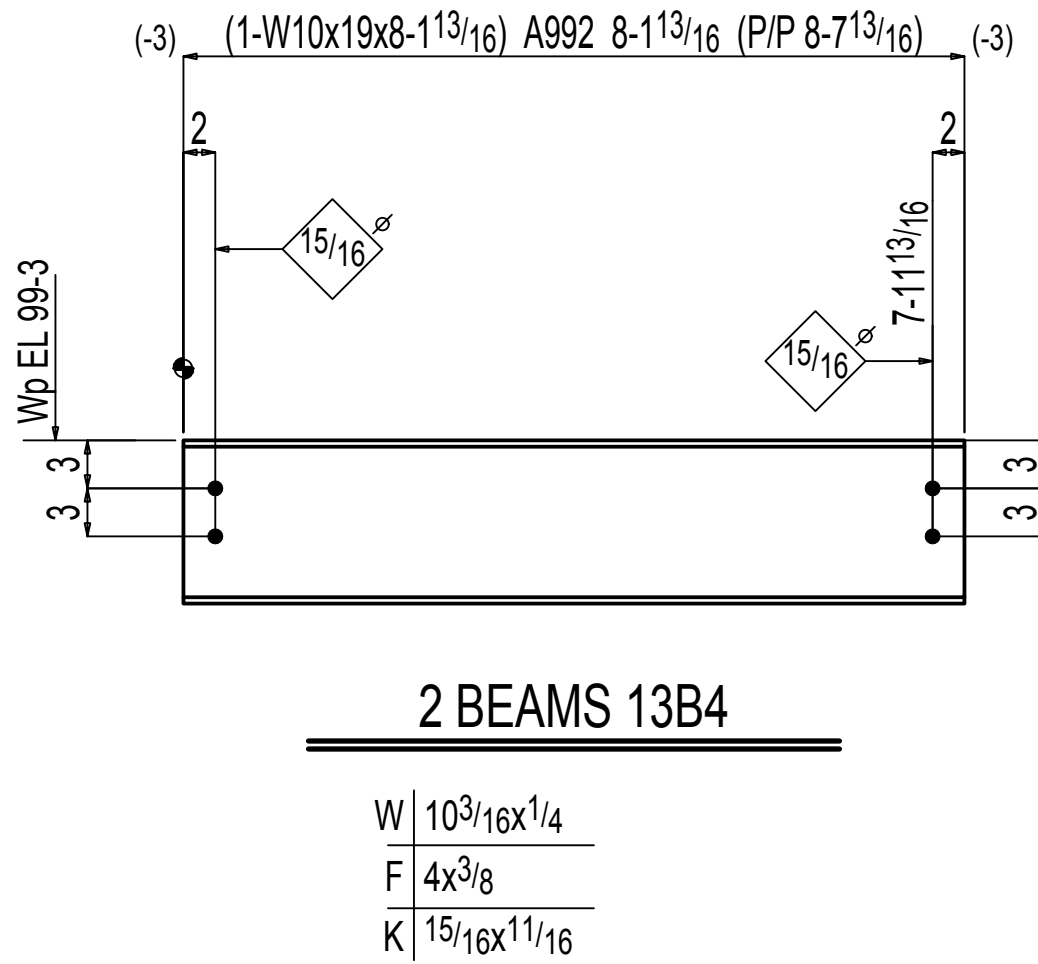
W 11 7/8 x 3/16
F 4 x 1/4
K 3 1/4 x 5/8

ISSUED FOR RE-APPROVAL. C

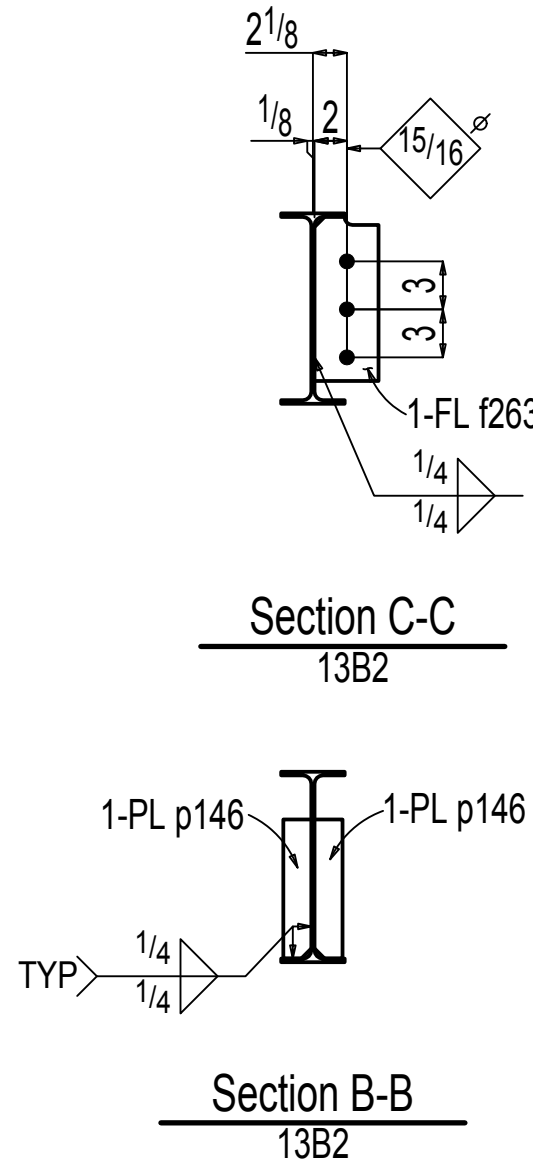


W 11 7/8 x 3/16
F 4 x 1/4
K 3 1/4 x 5/8

ISSUED FOR RE-APPROVAL. C



W 10 3/16 x 1/4
F 4 x 3/8
K 15 1/16 x 11 1/16



BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	FT	IN	REMARKS
13B1	ONE	BEAM			
13B1	1	W12x19	11	10 9/16	A992
p146	4	PL 3/8 x 1 3/4	0	8 1 1/16	A572-50
		FIELD BOLTS			
	4	3/4 Dia A325N	0	2 1/4	+1HD WASH
13B2	ONE	BEAM			
13B2	1	W12x14	18	10 1/4	A992
f263	1	FB 3/8 x 4	0	10 1/4	A572-50
p146	2	PL 3/8 x 1 3/4	0	8 1 1/16	A572-50
		FIELD BOLTS			
	3	7/8 Dia A325N	0	1 3/4	+1HD WASH
	2	3/4 Dia A325N	0	2	+1HD WASH
13B3	ONE	BEAM			
13B3	1	W12x14	4	8 1/8	A992
		FIELD BOLTS			
	6	7/8 Dia A325N	0	1 3/4	+1HD WASH
13B4	2	BEAM			
13B4	2	W10x19	8	1 13/16	A992
		FIELD BOLTS			
	8	7/8 Dia A325N	0	2	+1HD WASH

SHOP NOTE:
SURFACE PREP:SSPC-SP2

HOLES: 13/16 DIA U.N.O.		FINISH: STD SHOP PRIMER	
REV	DATE	DESCRIPTION	BY
C			
B			
A			

CLIENT:

ARCH & ENGR:

JOB NAME:

LOCATION:

DETAIL OF:

DATE:

DRAWN BY:

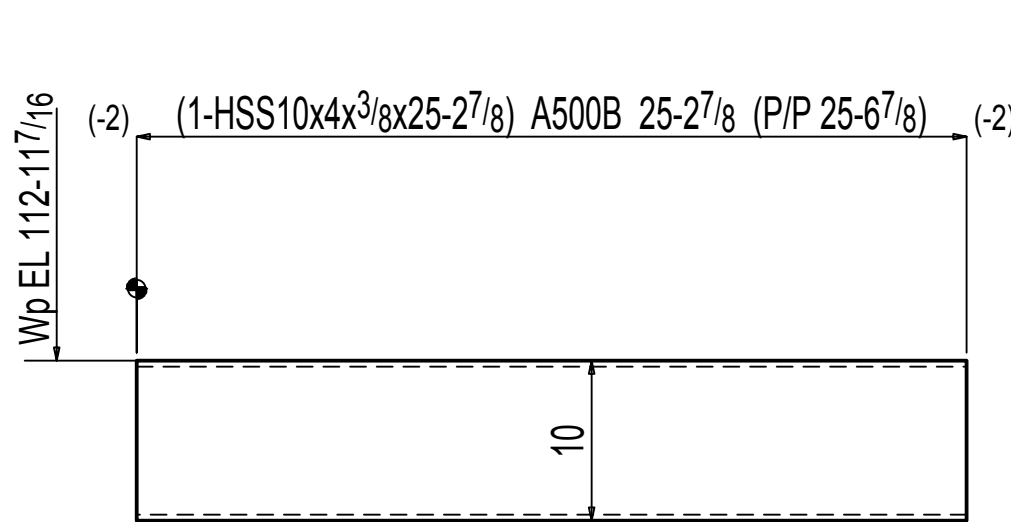
CHECKED BY:

JOB #

DWG. #

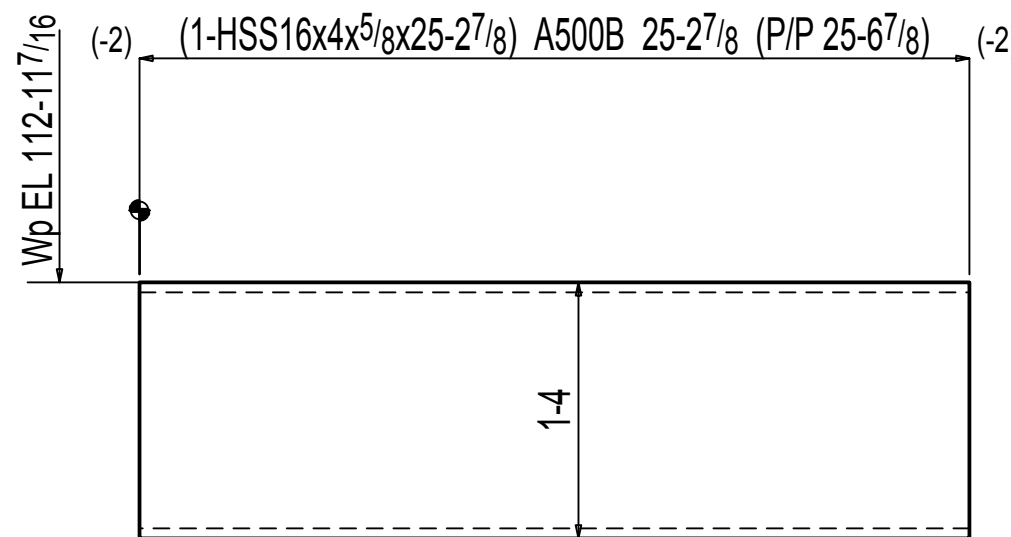
13

C



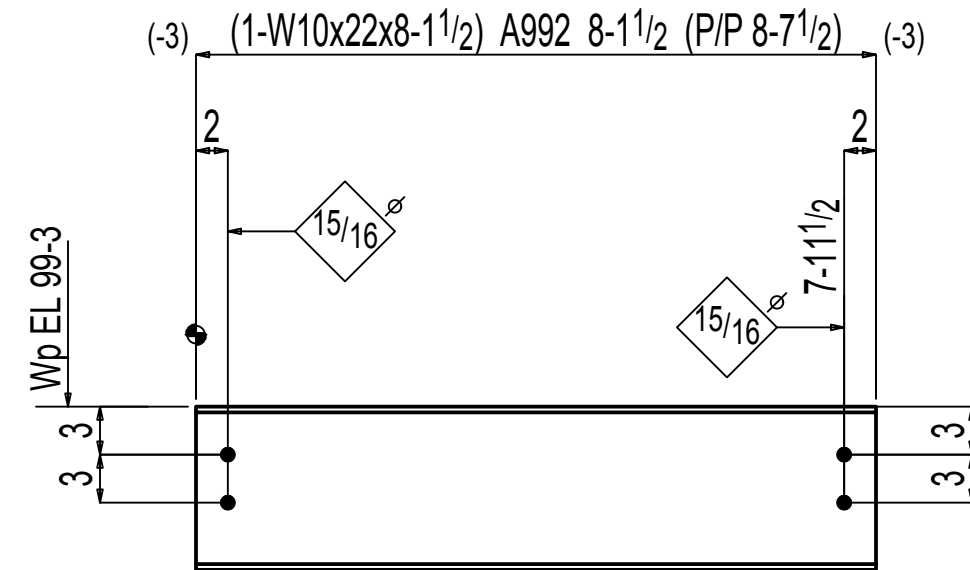
ONE BEAM 15B1

ISSUED FOR RE-APPROVAL. C



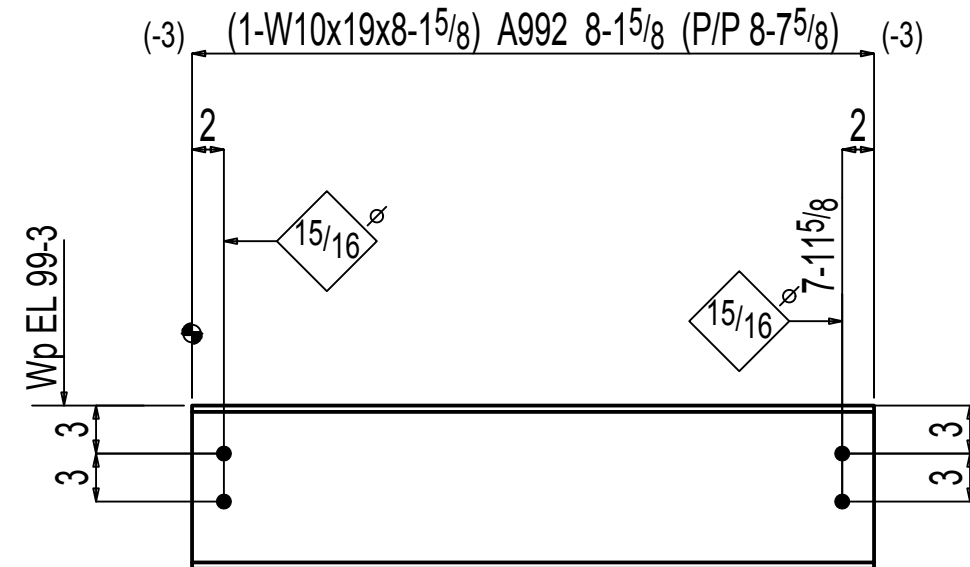
ONE BEAM 15B2

ISSUED FOR RE-APPROVAL. C



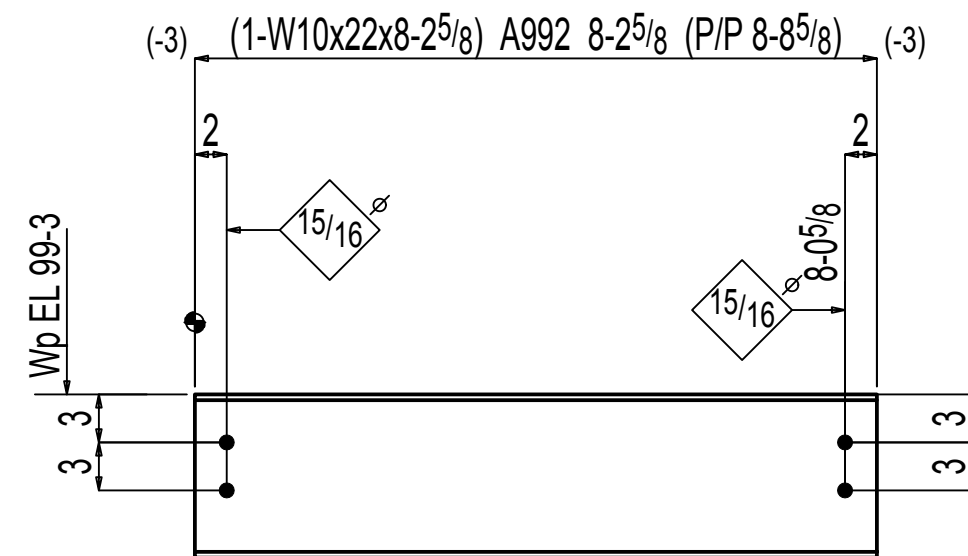
ONE BEAM 15B3

W 10³/₁₆x1¹/₄
F 5³/₄x3³/₈
K 1⁵/₁₆x1¹/₁₆



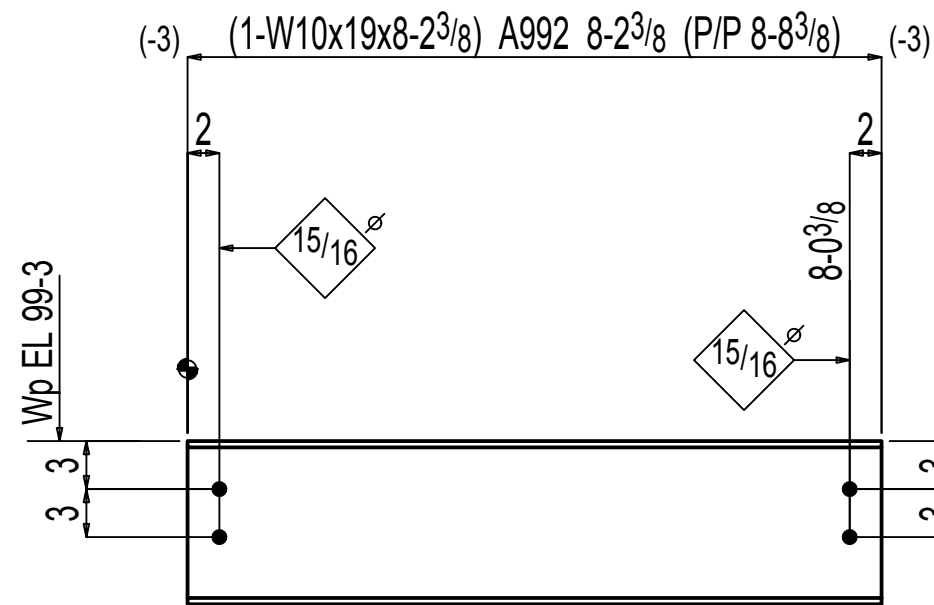
ONE BEAM 15B4

W 10³/₁₆x1¹/₄
F 4x3³/₈
K 1⁵/₁₆x1¹/₁₆



ONE BEAM 15B5

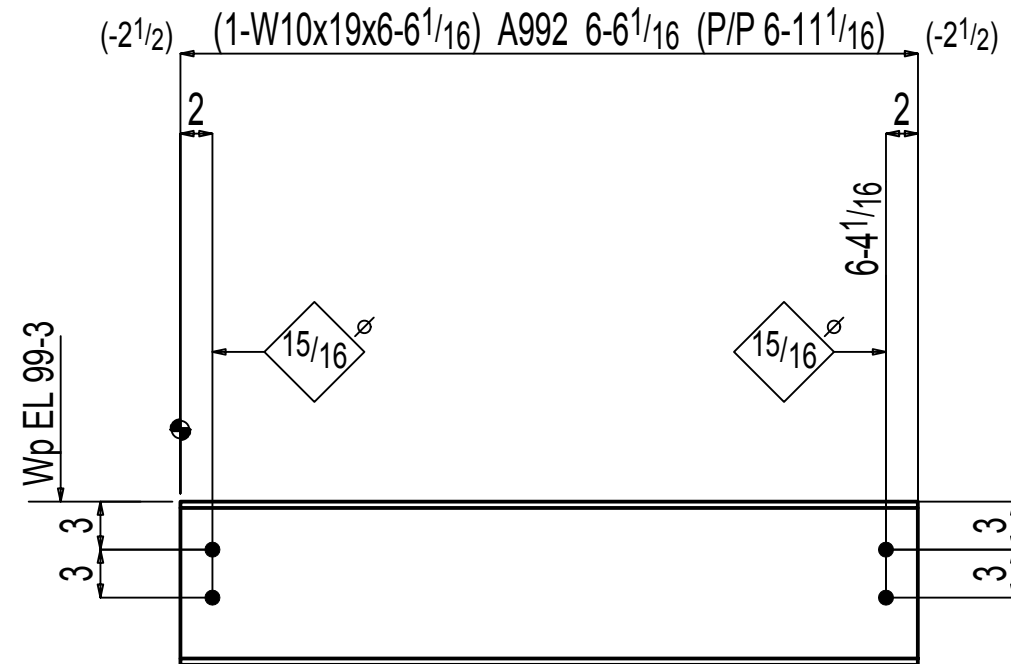
W 10³/₁₆x1¹/₄
F 5³/₄x3³/₈
K 1⁵/₁₆x1¹/₁₆



ONE BEAM 15B7

W 10³/₁₆x1¹/₄
F 4x3³/₈
K 1⁵/₁₆x1¹/₁₆

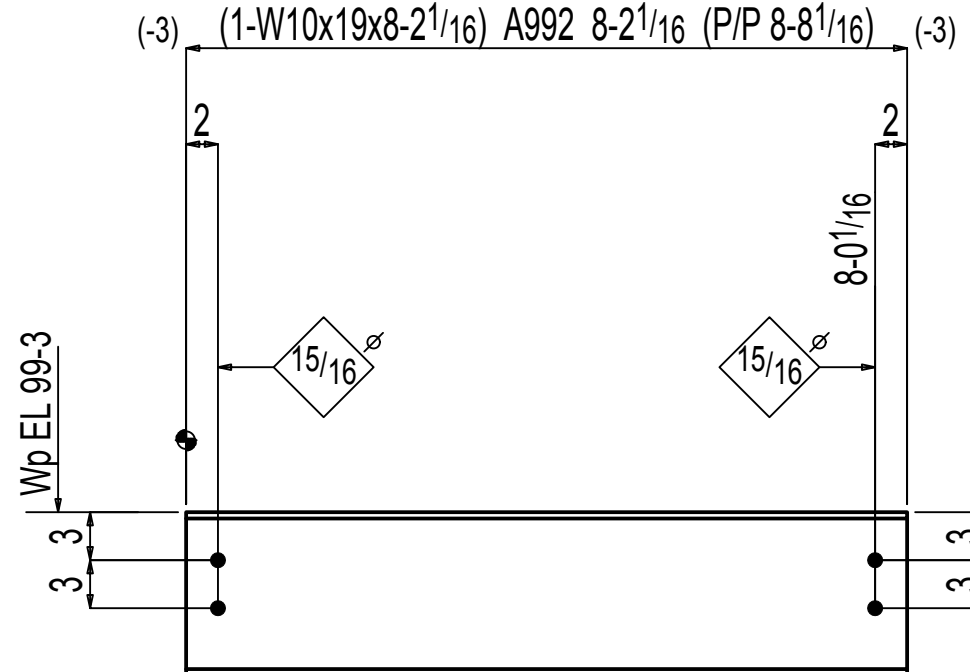
FIELD VERIFY LENGTH PRIOR TO FABRICATION.



2 BEAMS 15B8

W 10³/₁₆x1¹/₄
F 4x3³/₈
K 1⁵/₁₆x1¹/₁₆

FIELD VERIFY LENGTH PRIOR TO FABRICATION.



3 BEAMS 15B9

W 10³/₁₆x1¹/₄
F 4x3³/₈
K 1⁵/₁₆x1¹/₁₆

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	FT	IN	REMARKS
15B1	ONE	BEAM			
15B1	1	HSS10x4x3/8	25	27/8	A500B
15B2	ONE	BEAM			
15B2	1	HSS16x4x5/8	25	27/8	A500B
15B3	ONE	BEAM			
15B3	1	W10x22	8	1 1/2	A992
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH
15B4	ONE	BEAM			
15B4	1	W10x19	8	15/8	A992
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH
15B5	ONE	BEAM			
15B5	1	W10x22	8	25/8	A992
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH
15B7	ONE	BEAM			
15B7	1	W10x19	8	23/8	A992
	1				
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2	+1HD WASH
15B8	2	BEAM			
15B8	2	W10x19	6	6 1/16	A992
	2				
		FIELD BOLTS			
	8	7/8 Dia A325N	0	2	+1HD WASH
15B9	3	BEAM			
15B9	3	W10x19	8	2 1/16	A992
		FIELD BOLTS			
	12	7/8 Dia A325N	0	2	+1HD WASH

SHOP NOTE:
SURFACE PREP:SSPC-SP2

HOLES: 13/16 DIA U.N.O.		FINISH: STD SHOP PRIMER	
REV	DATE	DESCRIPTION	BY
A			
B			
C			
D			
E			

CLIENT:

ARCH & ENGR:

JOB NAME:

LOCATION:

DETAIL OF:

DATE:

DRAWN BY:

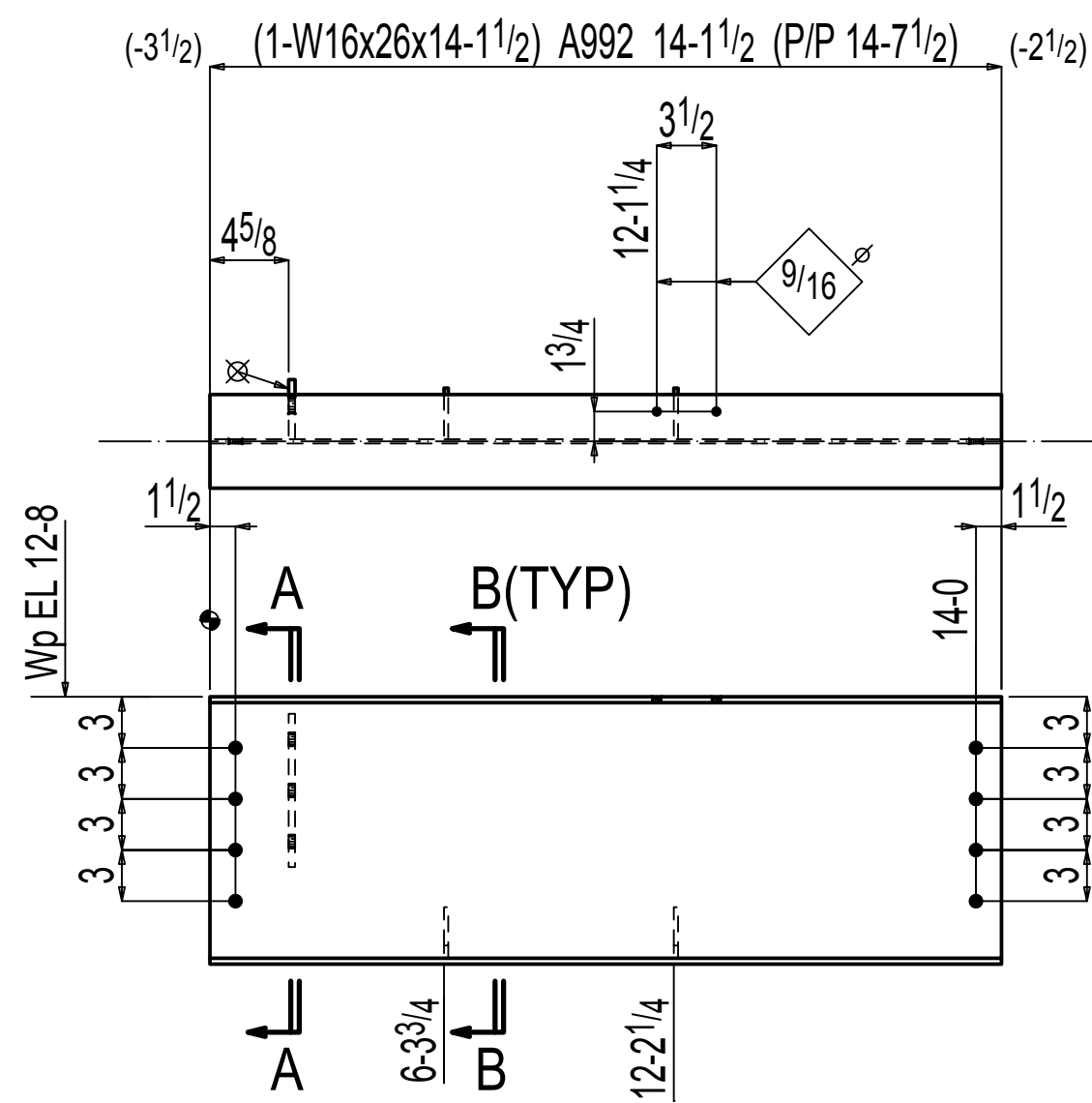
CHECKED BY:

JOB #

DWG. #

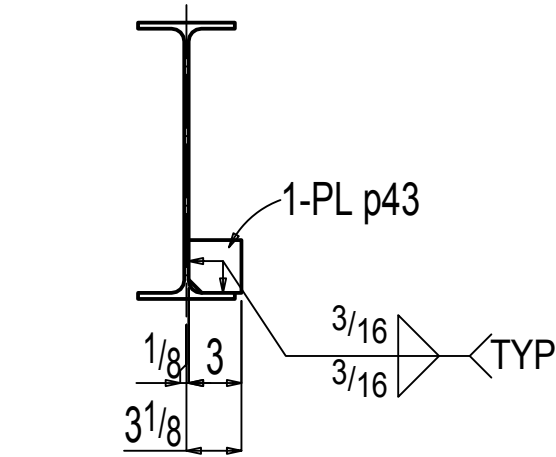
15

C

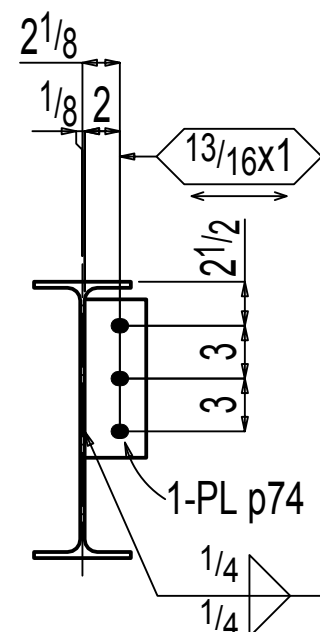


ONE BEAM 17B1

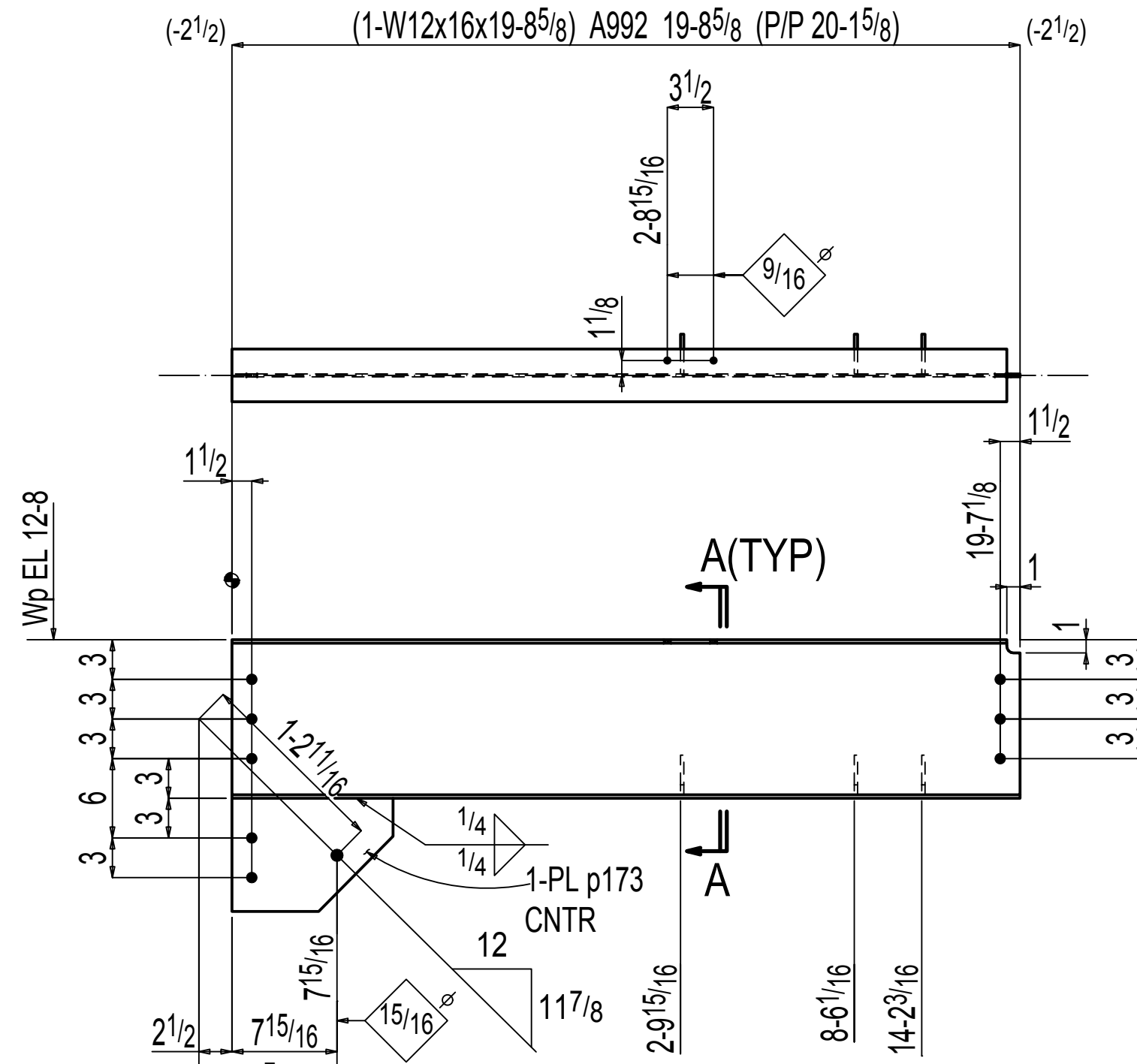
W | 15 11/16 x 1 1/4
F | 5 1/2 x 3/8
K | 1 1/16 x 1 3/16



Section B-B
17B1

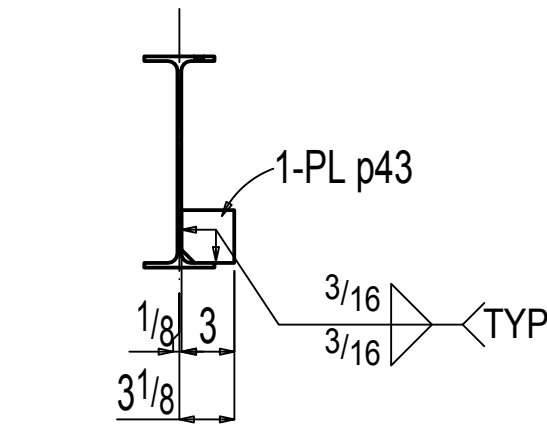


Section A-A
17B1

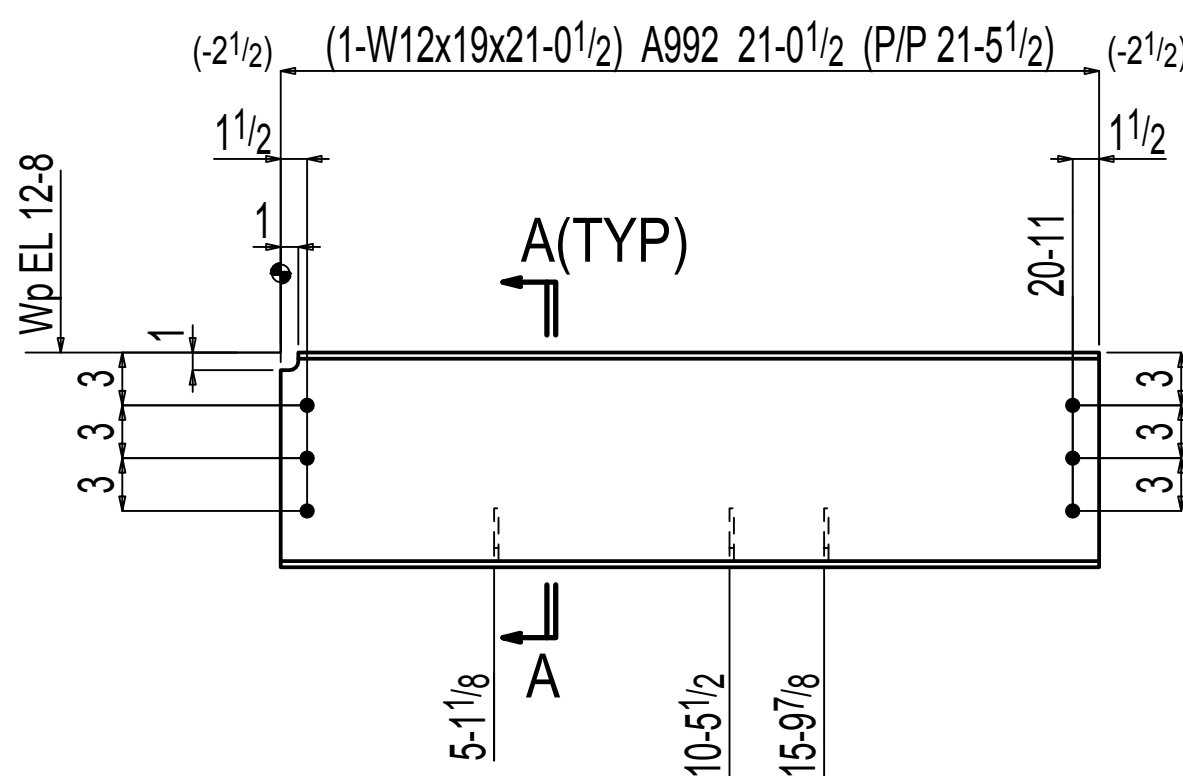


ONE BEAM 17B2

W | 12 x 1 1/4
F | 4 x 1 1/4
K | 1 3/16 x 1 1/16

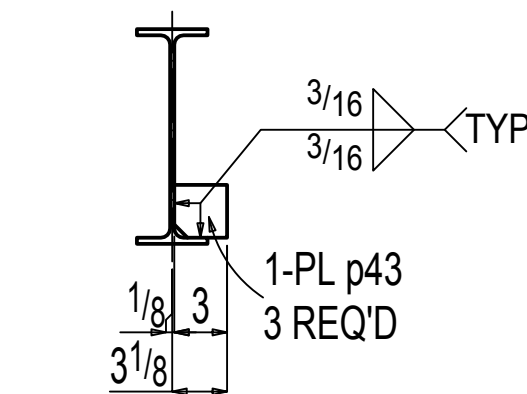


Section A-A
17B2

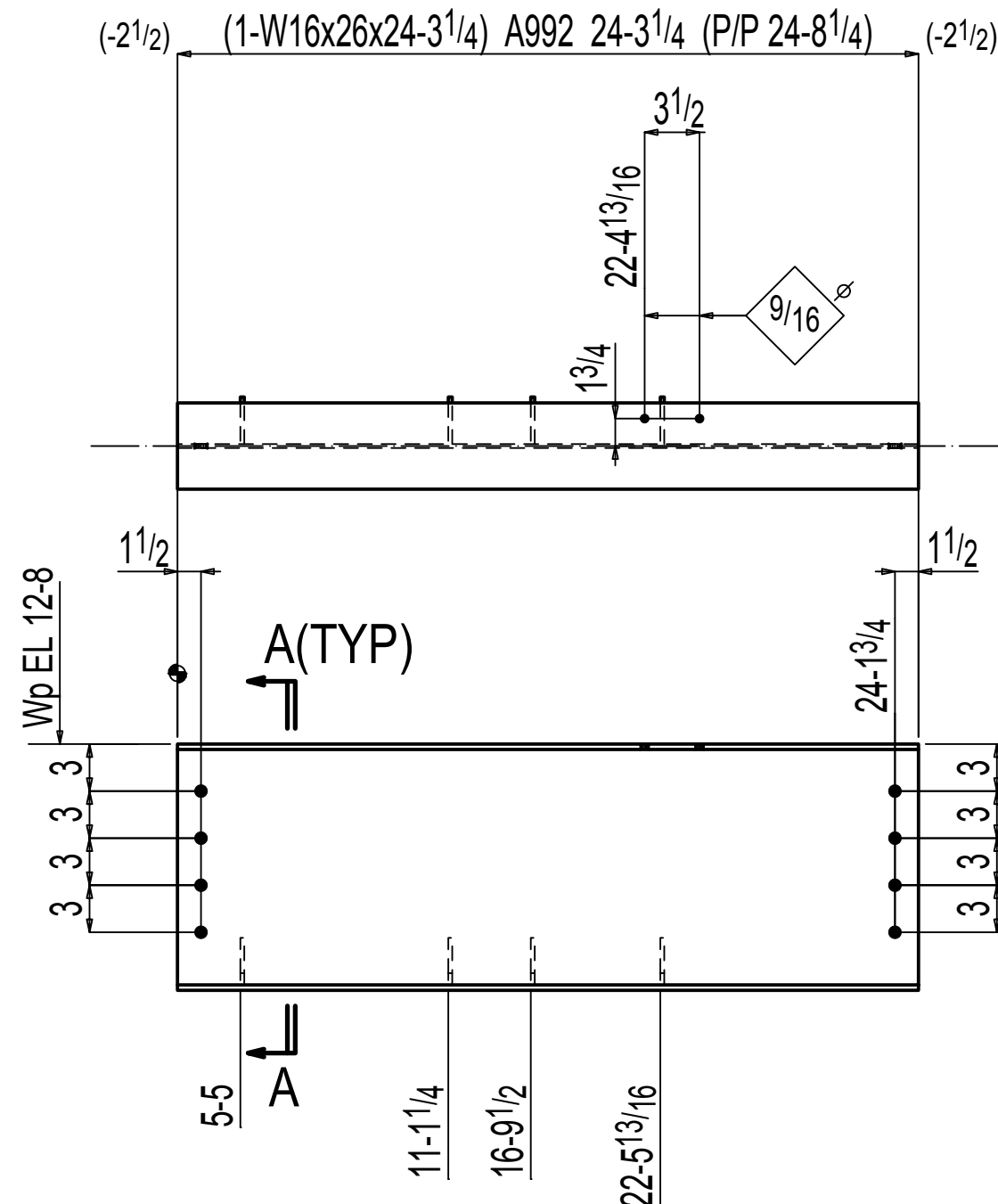


ONE BEAM 17B3

W | 12 3/16 x 1 1/4
F | 4 x 3/8
K | 7/8 x 5/8

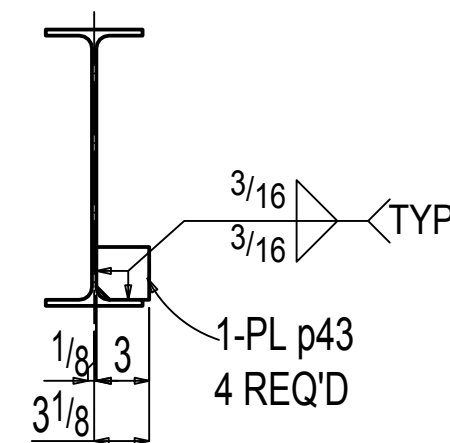


Section A-A
17B3



ONE BEAM 17B4

W | 15 11/16 x 1 1/4
F | 5 1/2 x 3/8
K | 1 1/16 x 1 3/16



Section A-A
17B4

BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				17B1	372	372	
1	W16x26	14	1 1/2	17B1		367	367	A992
1	PL 3/8x3 1/2	0	9	p74		3	3	A36
2	PL 1/4x3	0	3	p43		1	1	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
2	1/2 Dia A307	0	2 1/2					+1HD WASH
ONE	BEAM				17B2	329	329	
1	W12x16	19	8 5/8	17B2		316	316	A992
1	PL 3/8x8 9/16	1	0 9/16	p173		11	11	A36
3	PL 1/4x3	0	3	p43		1	2	A36
	FIELD BOLTS							
2	3/4 Dia A325SC	0	2					+2HD WASH
6	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
2	1/2 Dia A307	0	2 1/2					+1HD WASH
ONE	BEAM				17B3	402	402	
1	W12x19	21	0 1/2	17B3		400	400	A992
3	PL 1/4x3	0	3	p43		1	2	A36
	FIELD BOLTS							
6	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
ONE	BEAM				17B4	634	634	
1	W16x26	24	3 1/4	17B4		631	631	A992
4	PL 1/4x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
2	1/2 Dia A307	0	2 1/2					+1HD WASH

TOTAL WEIGHT THIS DRAWINGS:1735

NOTICE TO CONTRACTORS AND/OR ERECTORS

MODERN MACHINE SHOP, INC. WILL NOT ACCEPT BACKCHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS UNLESS AUTHORIZED AND APPROVED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL BECOME CONTRACTORS/ERECTORS LIABILITY. ANY QUESTIONS CALL (656) 722-4656

DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL.
ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED.
ALL SNIPS TO BE 1/4" X 1/4" UNLESS NOTED.
ALL COPIES TO BE RADIOUS.
X DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE.
HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS
X INDICATES LAYOUT MARK FOR FABRICATION
LD=LIN(OT) HD=PLT WASKER FL=HROUGHT WASKER
MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS
IN SAME LOCATION AS ON ERECTION DRAWING NO.

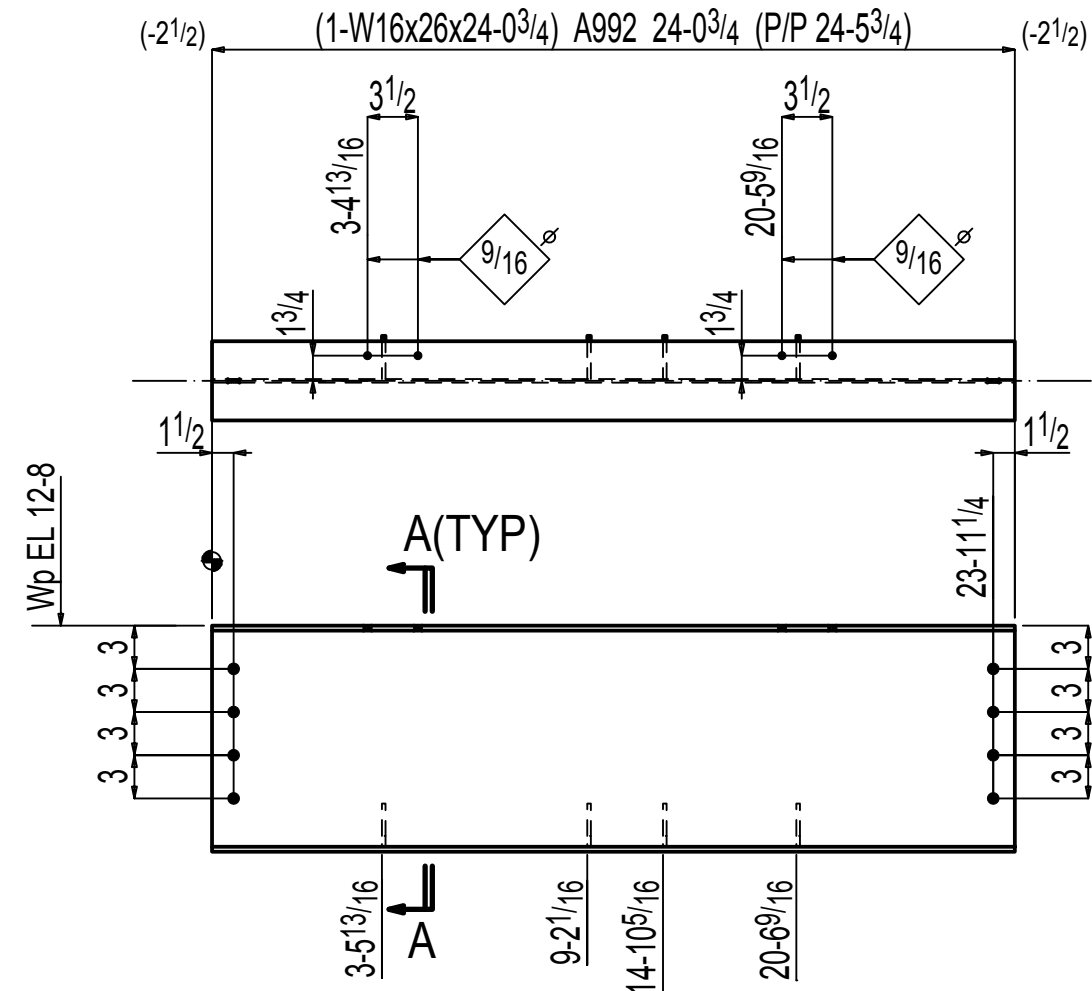
MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A338 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE ANGLE BAR	A36 (UNO)

NO.	DATE	BY	DESCRIPTION
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PRINT: 1/8" S.C. PRIMER
OPEN HOLES: 1/8" DIA (UNO) OPEN BOLTS: 1/8" DIA (UNO) BOLT: 3/4" DIA A325 (UNO) EDGE DIST: 1/2" (UNO)

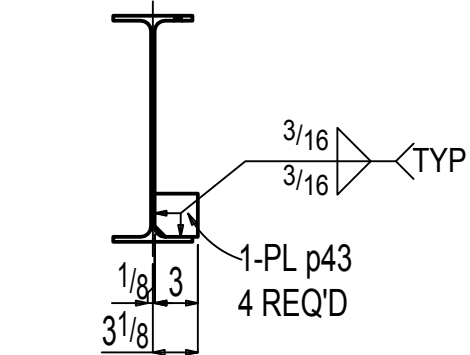
CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

DRWN: _____ DATE: _____ FOR APPL: _____ ORDER NO. _____
CHKD: _____ DATE: _____ TO SHOP: _____ REV. 0 DWG. 17

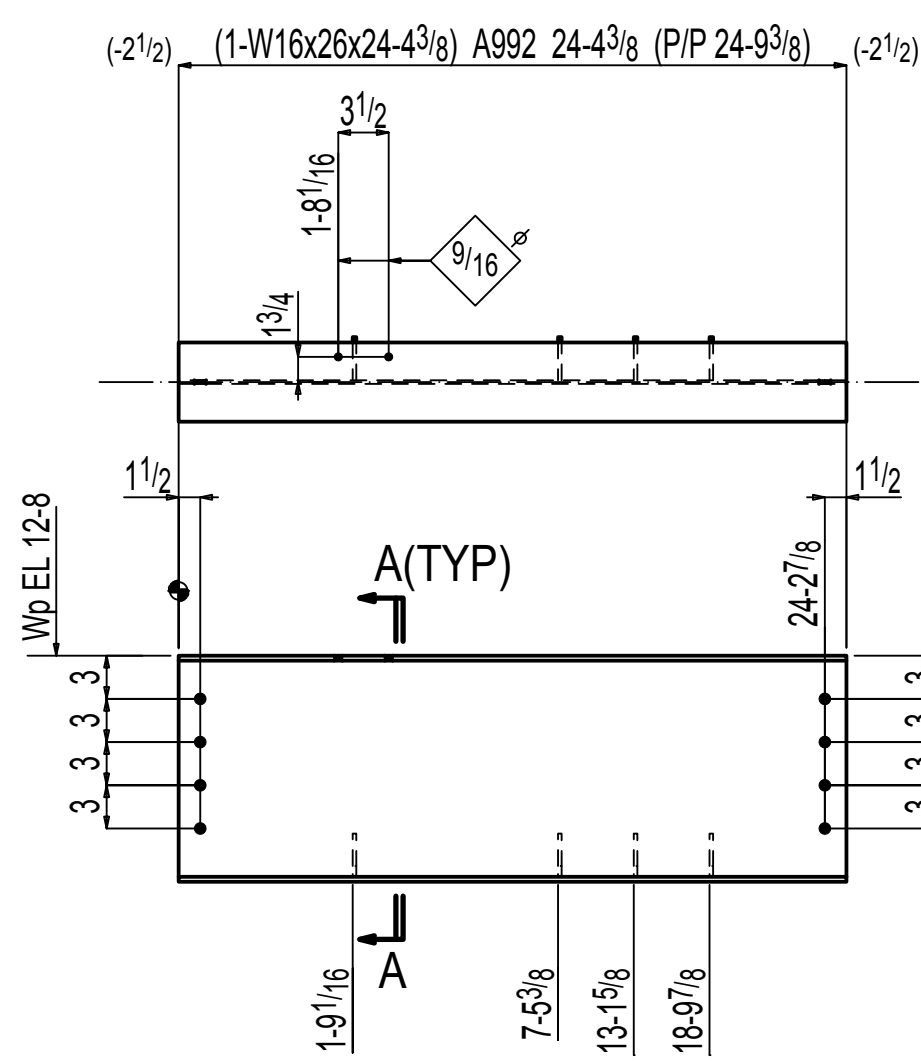


ONE BEAM 18B1

W | 15 1 1/16 x 1 1/4
F | 5 1/2 x 3/8
K | 1 1/16 x 1 3/16

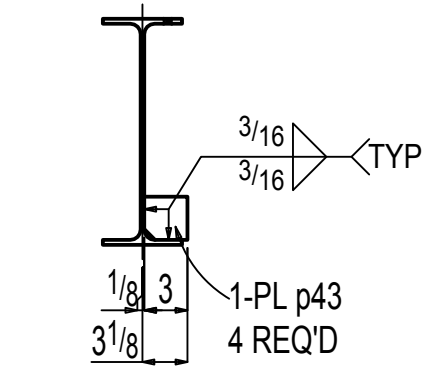


Section A-A
18B1

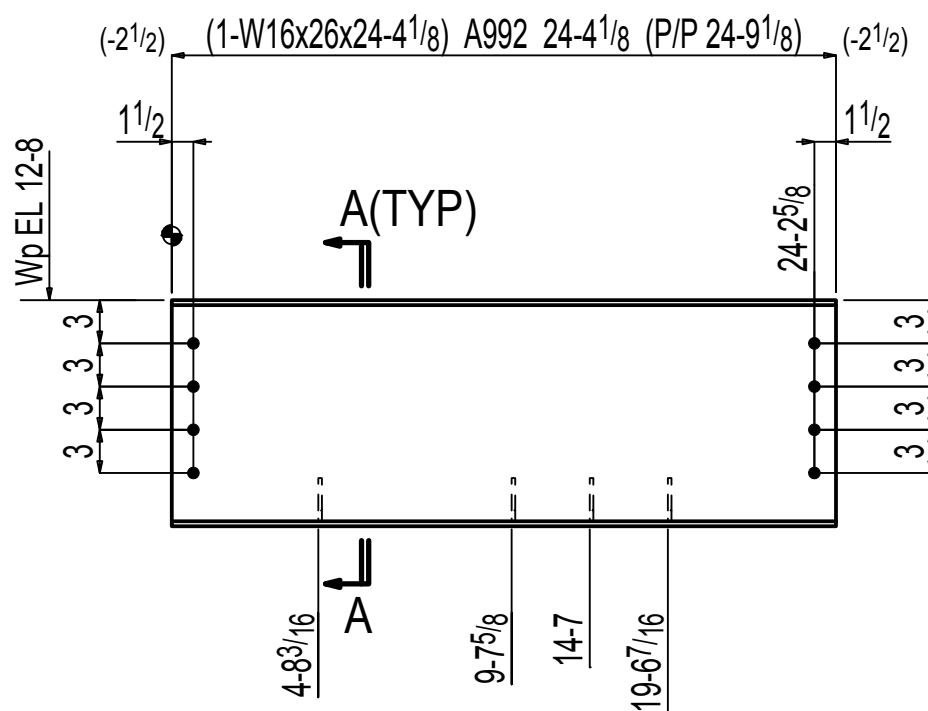


ONE BEAM 18B2

W | 15 1 1/16 x 1 1/4
F | 5 1/2 x 3/8
K | 1 1/16 x 1 3/16

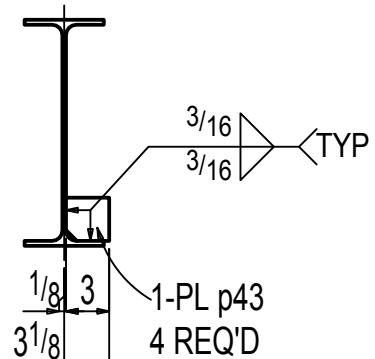


Section A-A
18B2

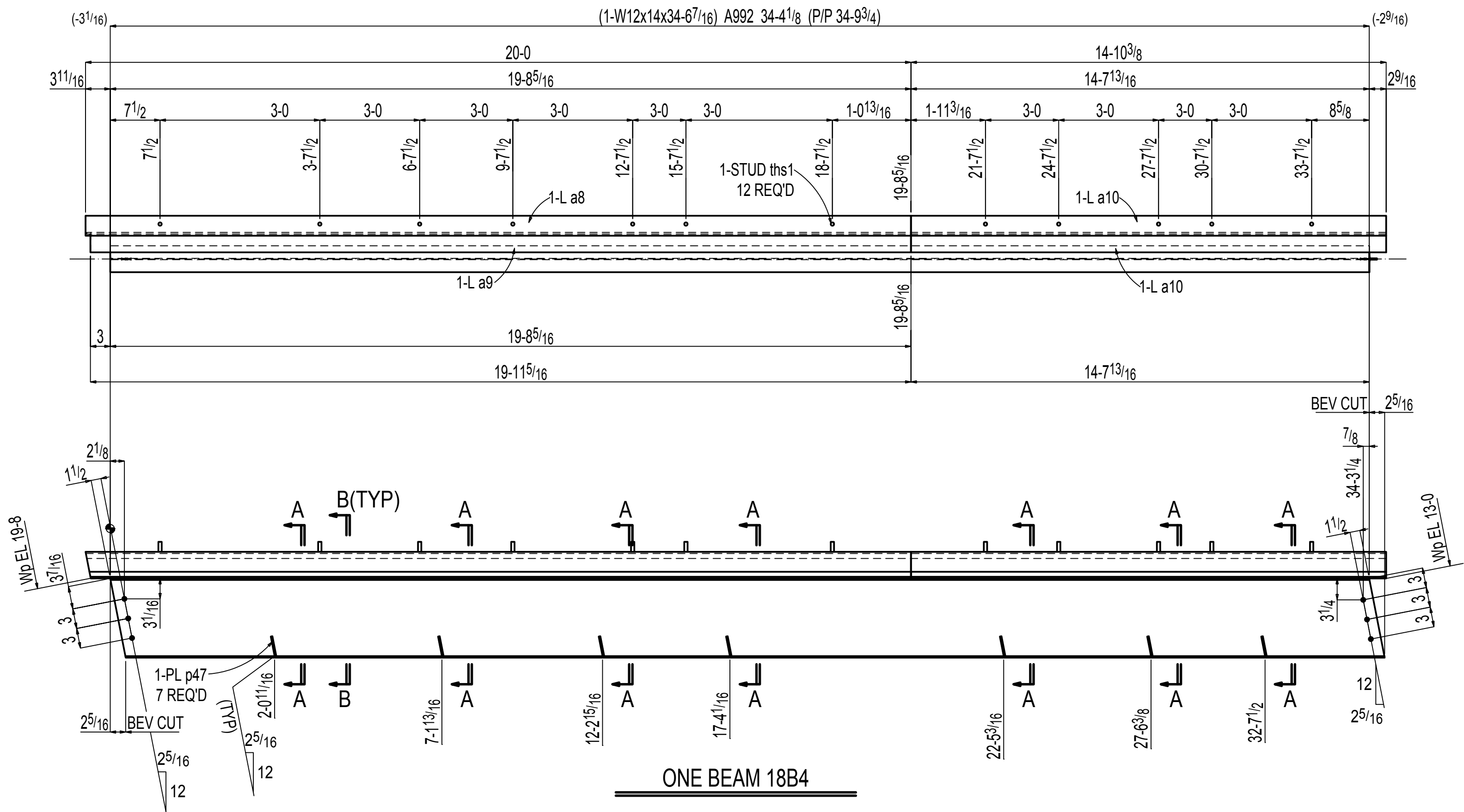


ONE BEAM 18B3

W | 15 1 1/16 x 1 1/4
F | 5 1/2 x 3/8
K | 1 1/16 x 1 3/16

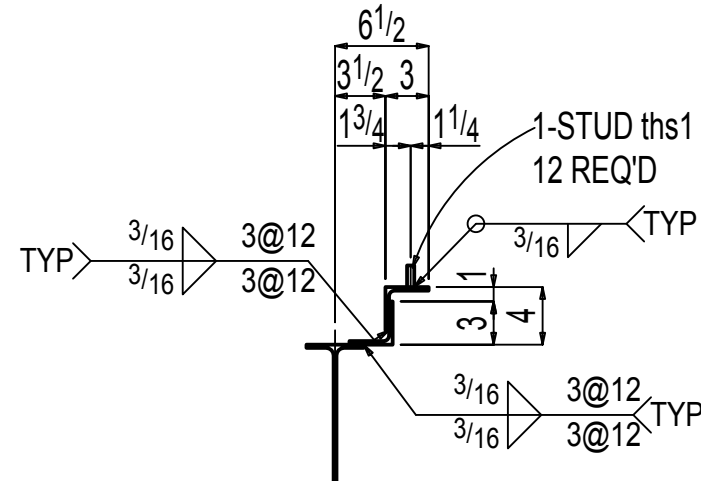


Section A-A
18B3

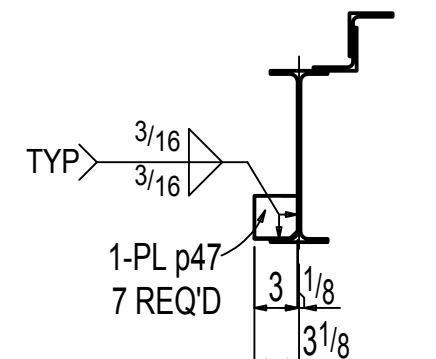


ONE BEAM 18B4

W | 11 7/8 x 3/16
F | 4 x 1/4
K | 3/4 x 5/8



Section B-B
18B4



Section A-A
18B4

BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				18B1	628	628	
1	W16x26	24	0 3/4	18B1		626	626	A992
4	PL 1/4x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
4	1/2 Dia A307	0	2 1/2					+1HD WASH
ONE	BEAM				18B2	636	636	
1	W16x26	24	4 3/8	18B2		633	633	A992
4	PL 1/4x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
2	1/2 Dia A307	0	2 1/2					+1HD WASH
ONE	BEAM				18B3	635	635	
1	W16x26	24	4 1/8	18B3		633	633	A992
4	PL 1/4x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
ONE	BEAM				18B4	831	831	
1	W12x14	34	6 7/16	18B4		484	484	B2E A992
1	L3x3x1/4	20	0	a8		98	98	A36
1	L3x3x1/4	19	11 13/16	a8		98	98	A36
2	L3x3x1/4	14	10 3/8	a10		73	146	A36
7	PL 1/4x3	0	3	p47		1	4	A36
12	THD STUD 1/2	0	1 1/2	ths1		0	1	A108
	FIELD BOLTS							
12	1/2 NUT							HHNT A563
6	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH

TOTAL WEIGHT THIS DRAWINGS:2730

NOTICE TO CONTRACTORS AND/OR ERECTORS

MODERN MACHINE SHOP, INC. WILL NOT ACCEPT BACKCHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS UNLESS AUTHORIZED AND APPROVED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL BECOME CONTRACTORS/ERECTORS LIABILITY. ANY QUESTIONS CALL (855) 722-4656

DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL. ALL VERTICAL SPACING OF HOLES TO BE 5" UNLESS NOTED. ALL SHIPS TO BE 1/4" X 3/4" UNLESS NOTED. ALL COPIES TO BE RADUSED. DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE. HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS X INDICATES LAYOUT MARK FOR FABRICATION. LDI=LIN(DT) HD=H(LT) WASHER F=FORWRIGHT WASHER MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

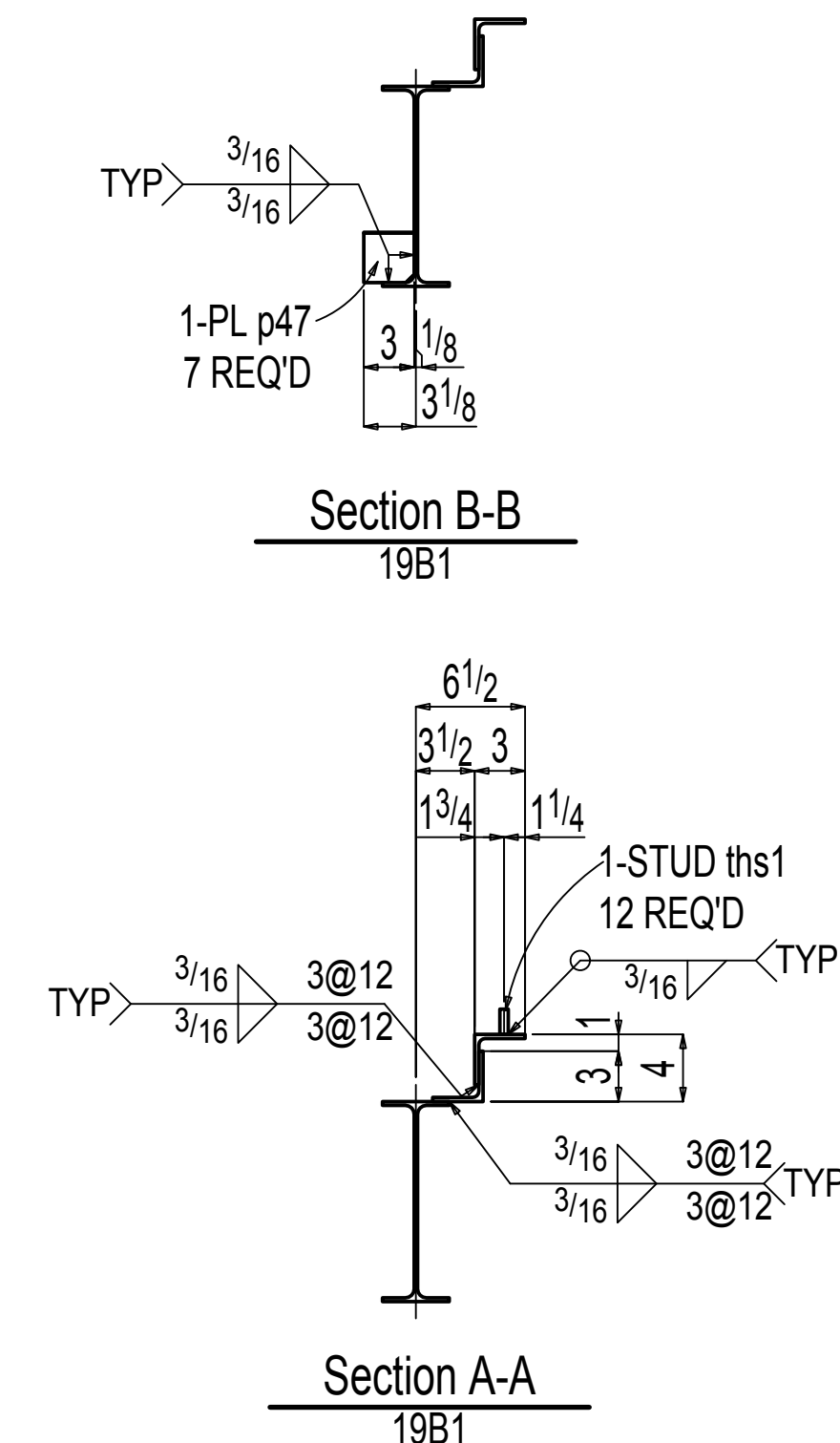
MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A338 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE/ANGLE/BAR	A36 (UNO)

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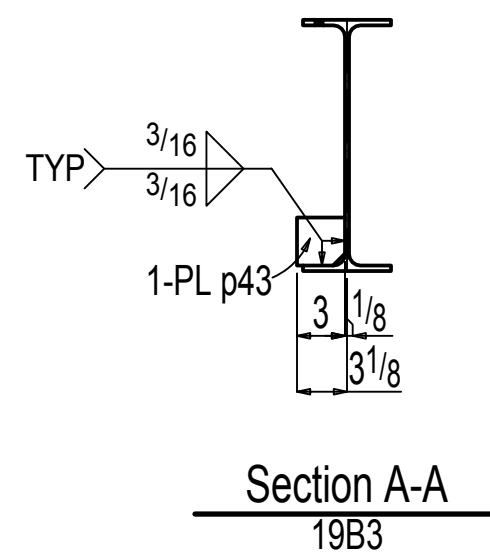
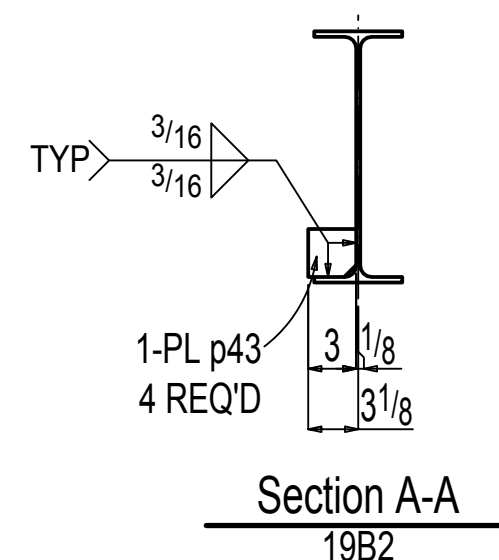
FAST: 1-SC PRIMER
OPEN HOLES: 1/8" DIA (UNO) OPEN SLOTS: 1/8" DIA (UNO) BOLT: 3/4" DIA A325(UNO) EDGE DIST: 1 1/2"(UNO)

CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

DRWN: _____ DATE: _____ FOR APPL: _____ ORDER NO.: _____
CHKD: _____ DATE: _____ TO SHOP: _____ REV: 0 DWG: 18



BILL OF MATERIAL								
NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				19B1	814	814	
1	W12x14	33	3 1/16	19B1		466	466	B2E A992
1	L3x3x1/4	20	0	a3		98	98	A36
1	L3x3x1/4	19	1 13/16	a2		98	98	A36
1	L3x3x1/4	13	7	a110		67	67	A36
1	L3x3x1/4	13	7	a109		67	67	A36
1	PL 3/8x10 15/16	0	1 1/4	p188		14	14	A36
7	PL 1/4x3	0	3	p47		1	4	A36
12	THD STUD 1/2	0	1 1/2	ths2		0	1	A108
	FIELD BOLTS							
12	1/2 NUT							HHNT A563
6	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
ONE	BEAM				19B2	635	635	
1	W16x26	24	4 1/8	19B2		633	633	A992
4	PL 1/4x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
ONE	BEAM				19B3	636	636	
1	W16x26	24	4 3/8	19B3		633	633	A992
4	PL 1/4x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
2	1/2 Dia A307	0	2 1/2					+1HD WASH



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THESE SHALL NOT BE USED, REPRODUCED, MODIFIED,
OR COPIED IN ANY FORM OR MANNER WITHOUT THE
EXPRESS, WRITTEN PERMISSION, CONSENT, AND DUE
COMPENSATION TO THE FABRICATOR:
MODERN MACHINE SHOP, INC., COPYRIGHT 2013

NOTICE TO CONTRACTORS AND/OR ERECTORS

MODERN MACHINE SHOP, INC. WILL NOT
ACCEPT BACKCHARGERS FOR CORRECTIVE
WORK OR REPLACED MATERIALS UNLESS
AUTHORIZED AND APPROVED. FAILURE
TO COMPLY WITH THIS REQUIREMENT
WILL BECOME CONTRACTORS/ERECTORS LIABILITY.
ANY QUESTIONS CALL (956) 722-4656

DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL.
ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED.
ALL SNIPS TO BE $\frac{3}{4}$ " X $\frac{3}{4}$ " UNLESS NOTED.
ALL COPES TO BE RADIUS'D.
⊗ DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE.
HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS
X INDICATES LAYOUT MARK FOR FABRICATION
LD=LW/DI HD=FLT WASHER FL=WROUGHT WASHER
MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS
IN SAME LOCATION AS ON ERECTION DRAWING NO.

MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A53B (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE,ANGLE,BAR	A36 (UNO)

NO.	DATE	BY	RECEPTION
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PAINT: 1-SIC PRIMER

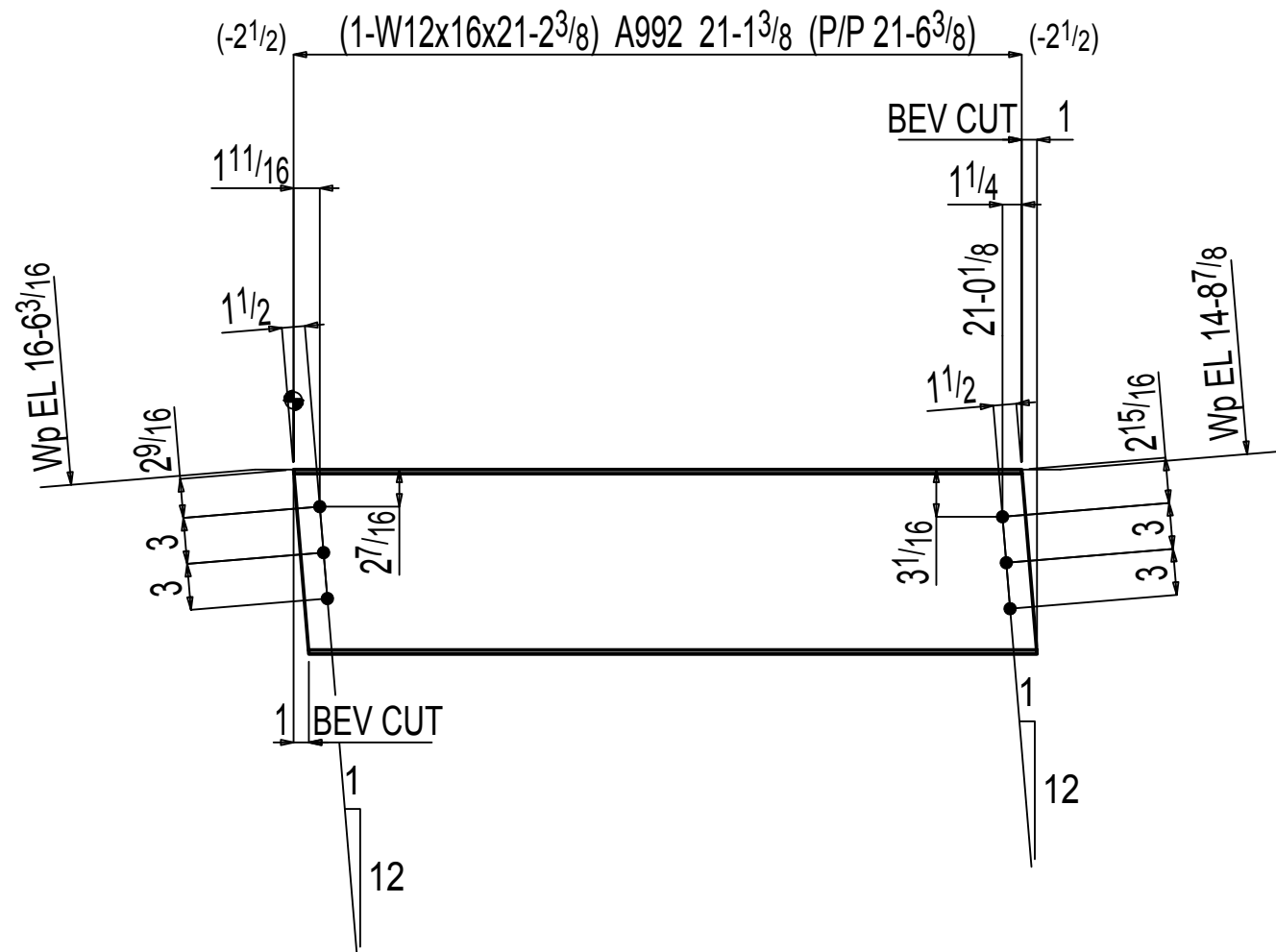
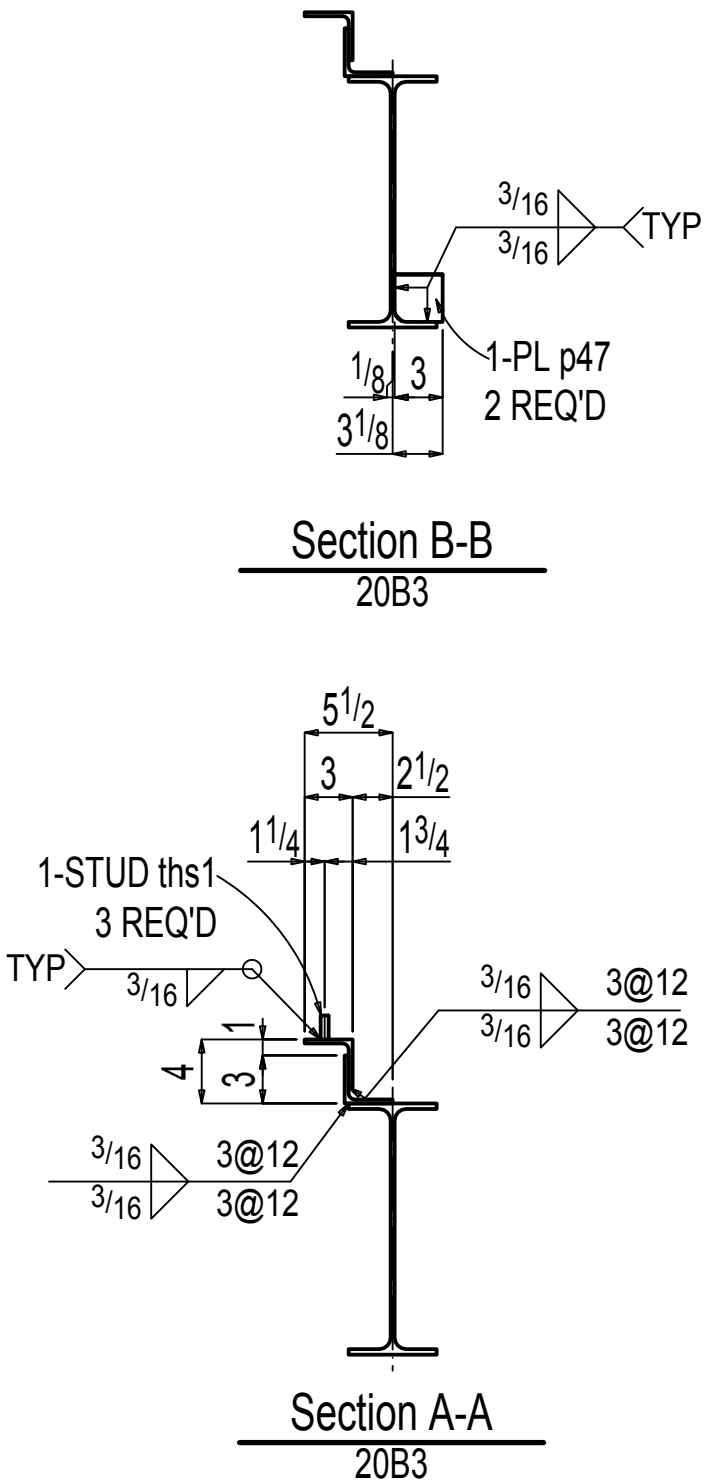
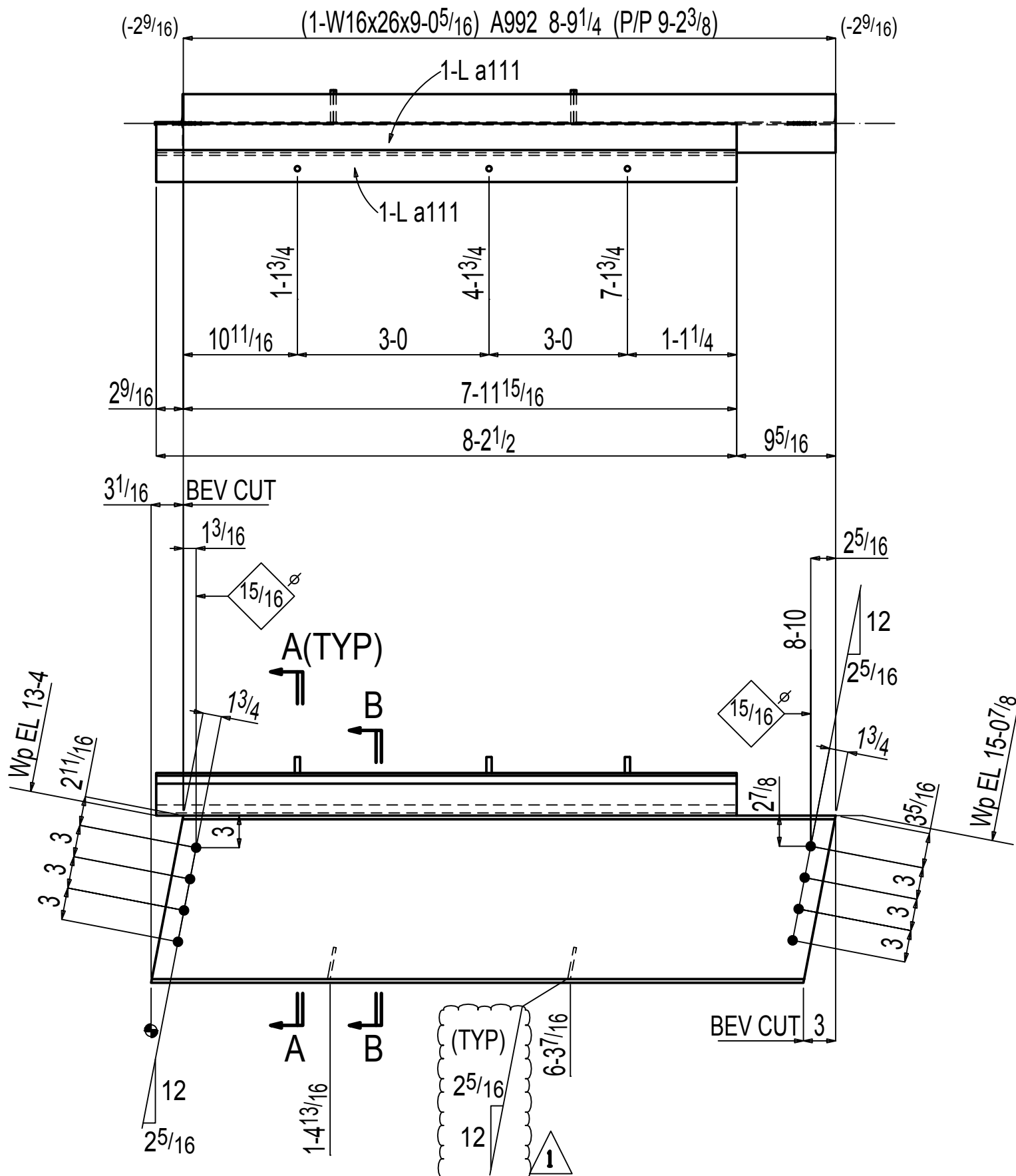
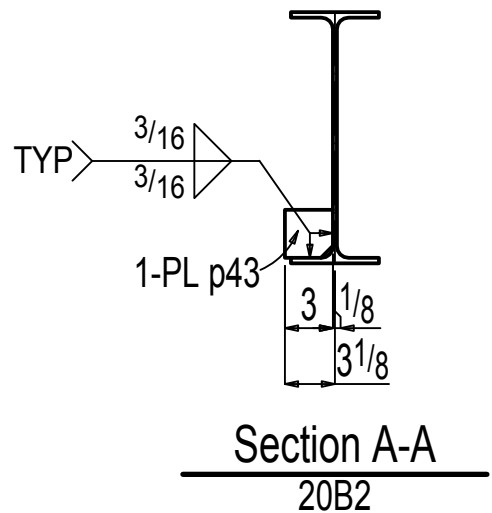
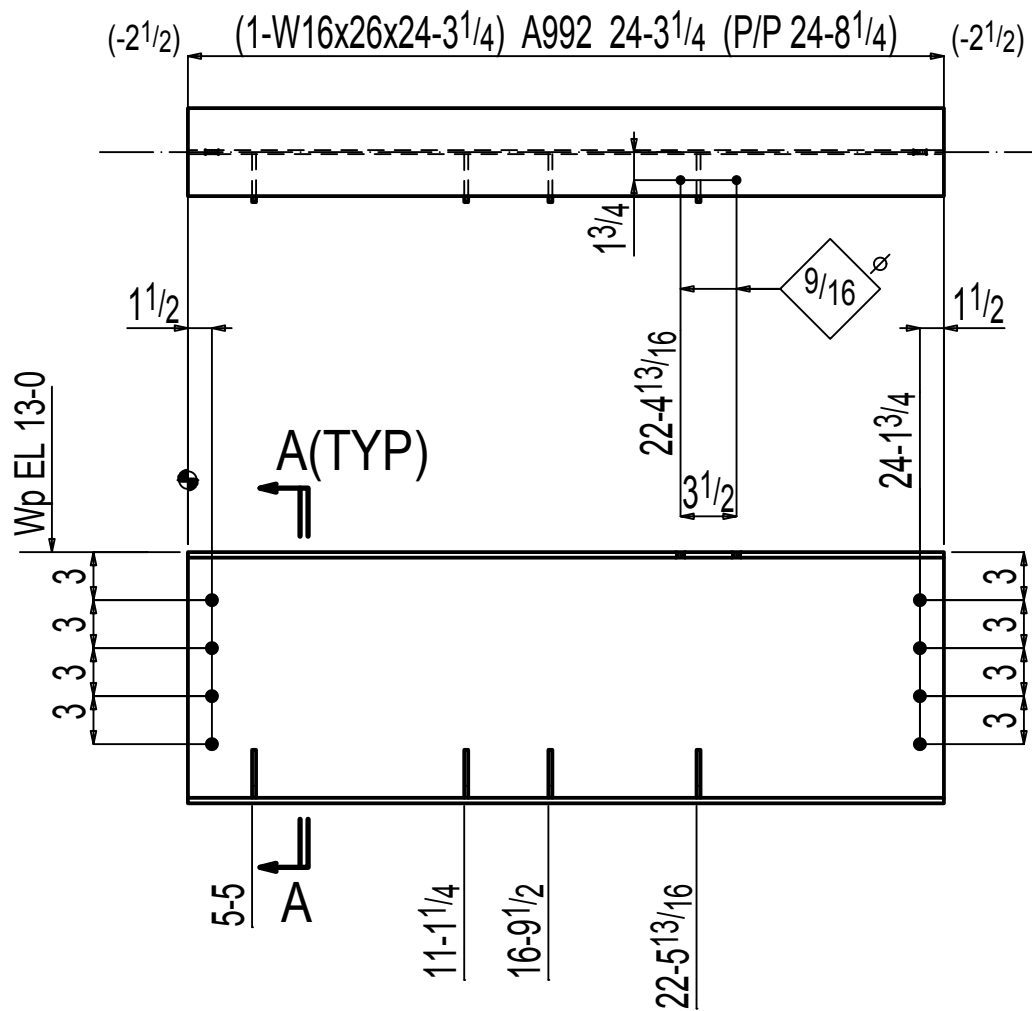
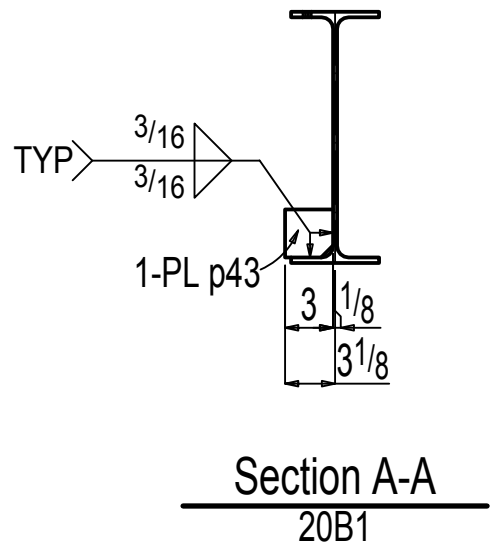
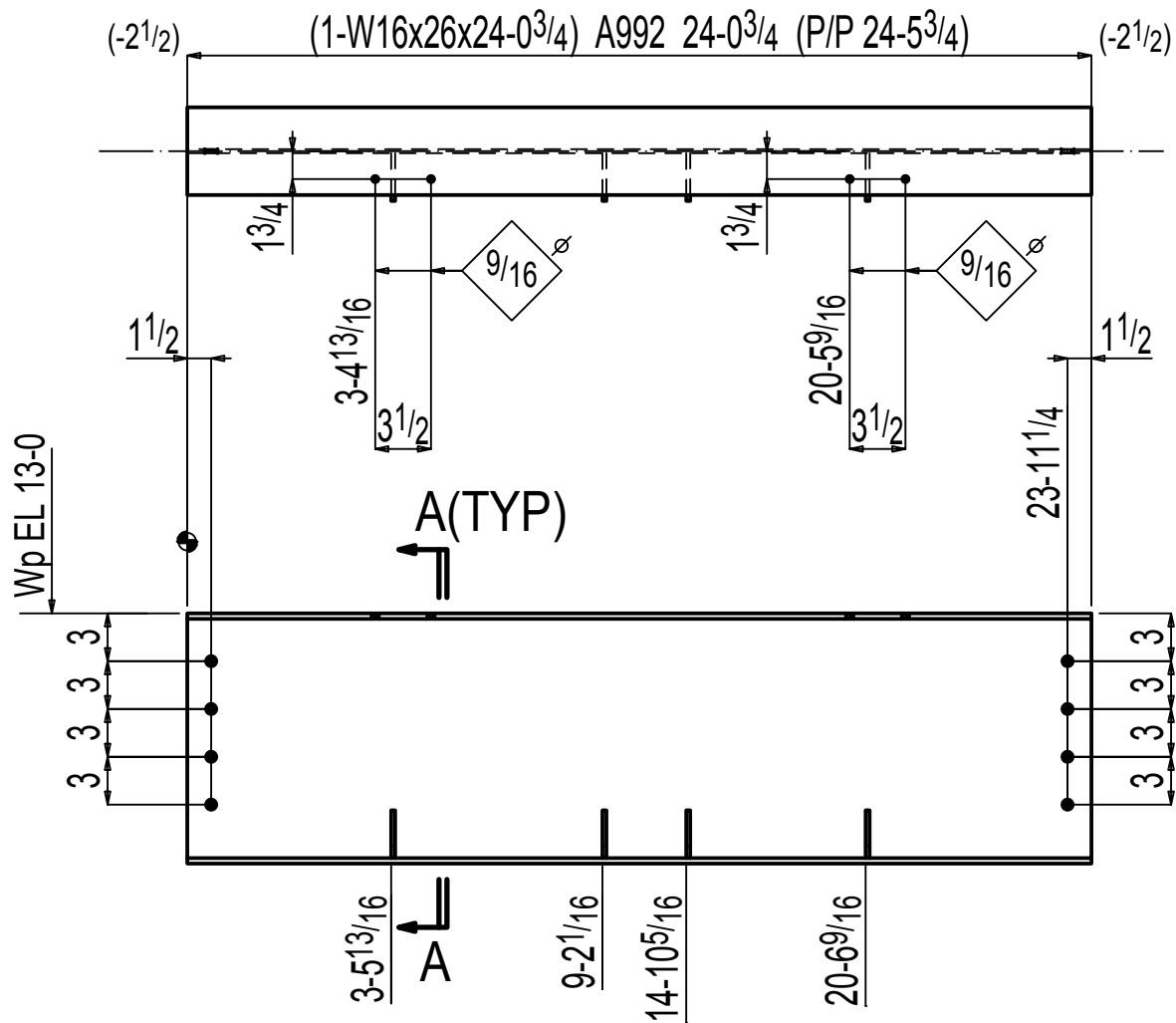
OPEN HOLES:	13/16" DIA (UNO)	OPEN SLOTS:	13/16x1 DIA (UNO)	BOIT:	3/4" DIA A325(UNO)	EDGE DIST:	1 1/2"(UNO)
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CUSTOMER:	_____
ARCHITECT:	_____
PROJECT:	_____
LOCATION:	_____

DRAWN _____ DATE _____	FOR APPL. _____	ORDER NO. _____
CHKD _____ DATE _____	TO SHOP _____	REV. <u>1</u> DWG. <u>19</u>

BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				20B1	628	628	
1	W16x26	24	0 ³ / ₄	20B1		626	626	A992
4	PL ¹ / ₄ x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC ³ / ₄ Dia A325N	0	1 ³ / ₄					+1HD WASH
4	¹ / ₂ Dia A307	0	2 ¹ / ₂					+1HD WASH
ONE	BEAM				20B2	634	634	
1	W16x26	24	3 ¹ / ₄	20B2		631	631	A992
4	PL ¹ / ₄ x3	0	3	p43		1	3	A36
	FIELD BOLTS							
8	TC ³ / ₄ Dia A325N	0	1 ³ / ₄					+1HD WASH
2	¹ / ₂ Dia A307	0	2 ¹ / ₂					+1HD WASH
ONE	BEAM				20B3	317	317	
1	W16x26	9	0 ⁹ / ₁₆	20B3		235	235	B2E A992
2	L3x3x ¹ / ₄	8	2 ¹ / ₂	a111		40	80	A36
2	PL ¹ / ₄ x3	0	3	p47		1	1	A36
3	THD STUD ¹ / ₂	0	1 ¹ / ₂	ths1		0	0	A108
	FIELD BOLTS							
3	¹ / ₂ NUT							HHNT A563
8	TC ⁷ / ₈ Dia A325N	0	2					+1HD WASH
ONE	BEAM				20B4	339	339	
1	W12x16	21	2 ³ / ₈	20B4		339	339	B2E A992
	FIELD BOLTS							
6	TC ³ / ₄ Dia A325N	0	1 ³ / ₄					+1HD WASH



W 12x1 1/4
F 4x1 1/4
K 13/16x11 1/16

TOTAL WEIGHT THIS DRAWINGS:1948

ONE BEAM 20B3

W 15 11/16 x 1 1/4
F 5 1/2 x 3/8
K 1 1/16 x 13 1/16

NOTICE TO CONTRACTORS AND/OR ERECTORS

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REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL. ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED. ALL SNIPS TO BE 1/4" X 3/4" UNLESS NOTED. ALL COPIES TO BE RADIOUS. DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE. HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS INDICATES LAYOUT MARK FOR FABRICATION. LD=LIN/OTI HD=PLT WASHER FL=FLROUGHT WASHER MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

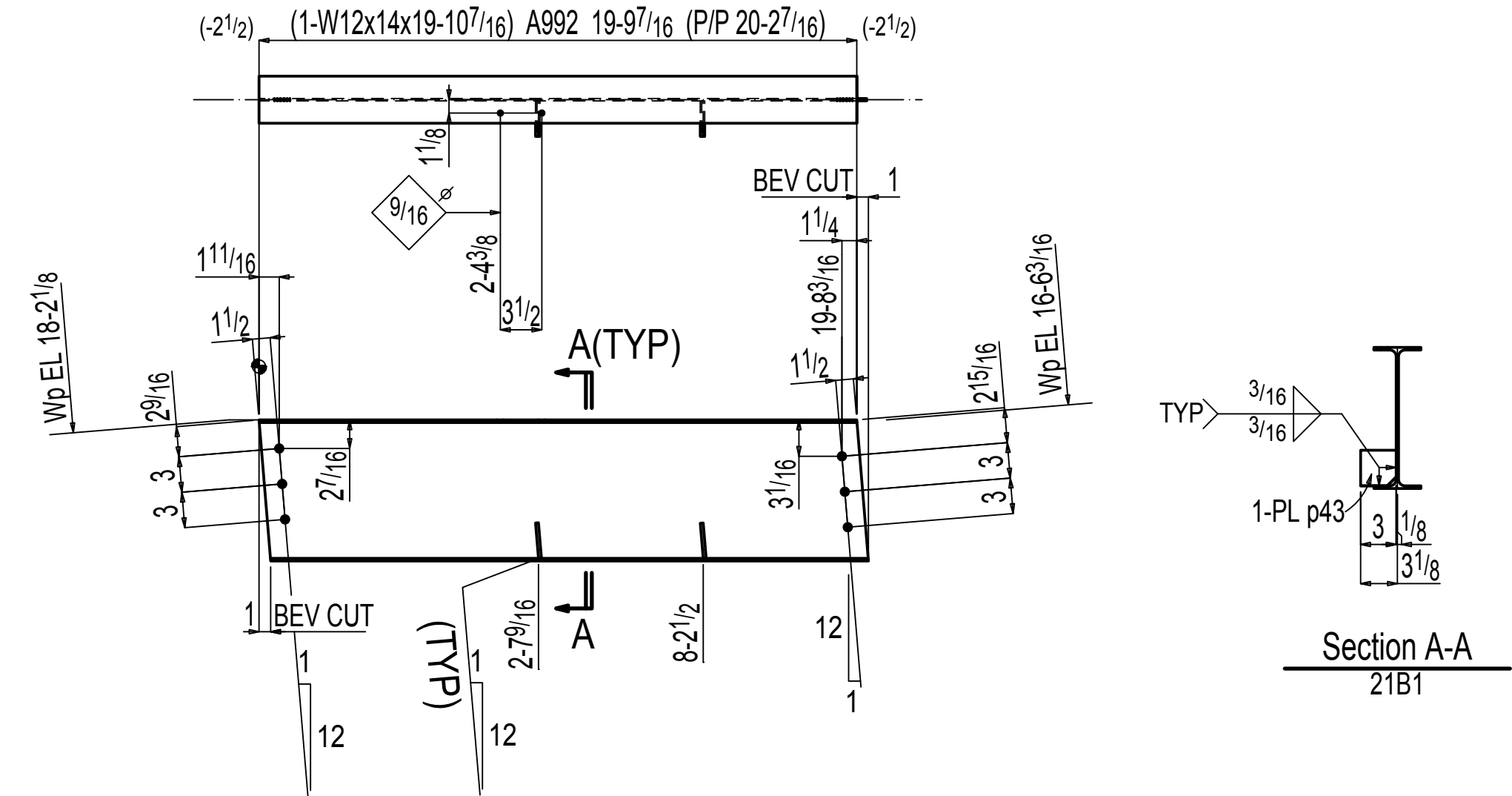
MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A338 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE/ANGLE/BAR	A36 (UNO)

FRONT: 1/8" DIA (UNO) 1/8" DIA (UNO) 1/8" DIA (UNO) 1/8" DIA (UNO) 1/8" DIA (UNO) 1/8" DIA (UNO)

CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

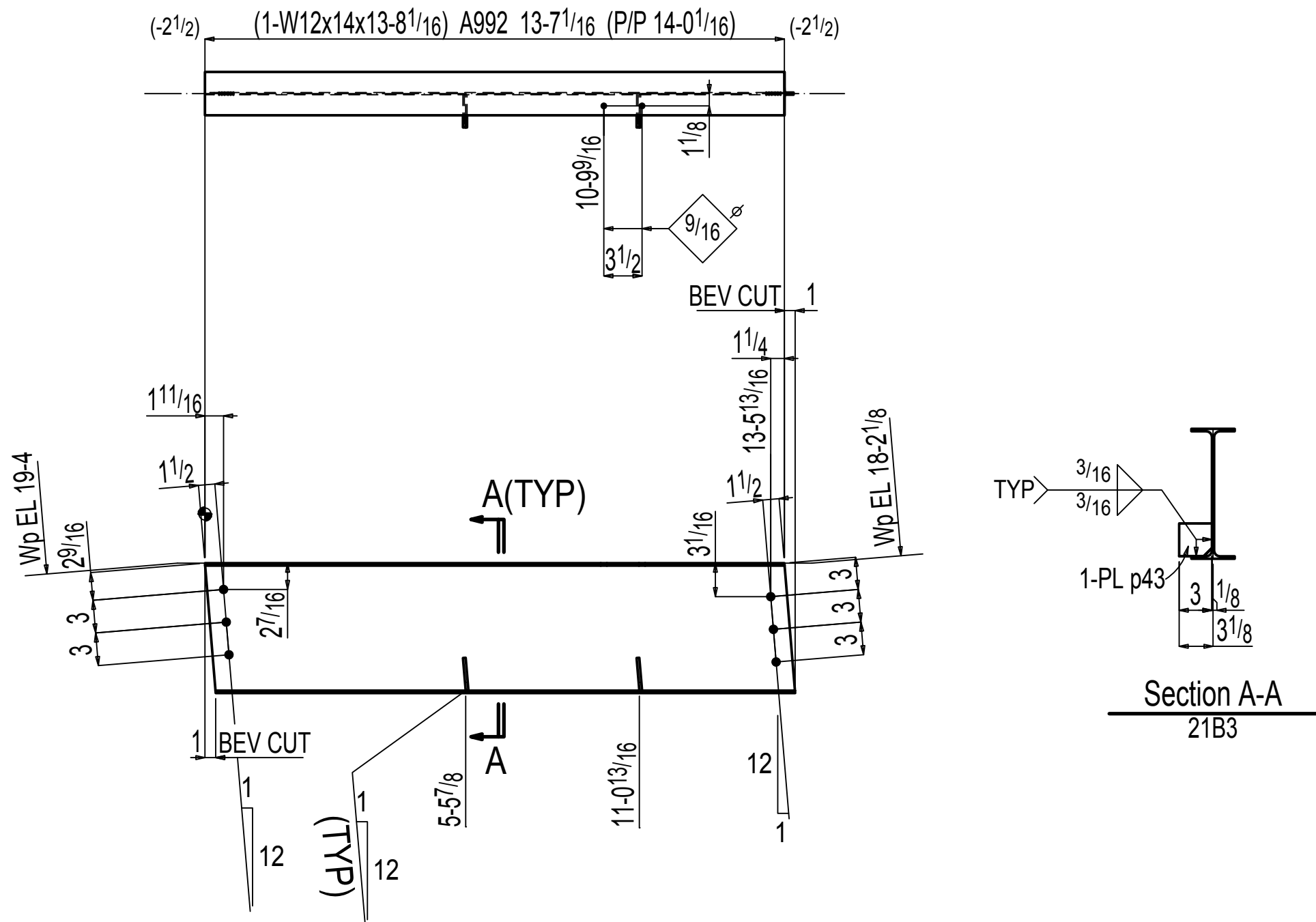
DRWN _____ DATE _____ FOR APPL _____ ORDER NO. _____
CHKD _____ DATE _____ TO SHOP _____ REV. 1 DWG. 20

BILL OF MATERIAL								
NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				21B1	279	279	
1	W12x14	19	10 ⁷ / ₁₆	21B1		278	278	BZE A992
2	PL ¹ / ₄ x3	0	3	p43		1	1	A36
	FIELD BOLTS							
6	TC ³ / ₄ Dia A325N	0	1 ³ / ₄					+1HD WASH
2	¹ / ₂ Dia A307	0	2 ¹ / ₂					+1HD WASH
ONE	BEAM				21B2	773	773	
1	W16x26	23	7 ⁵ / ₈	21B2		615	615	A992
2	L6x4x ⁵ / ₁₆	0	10	a116		9	17	A36
2	L6x4x ⁵ / ₁₆	0	10	a117		9	17	A36
2	L3x3x ¹ / ₄	11	11 ⁵ / ₁₆	a42		59	117	A36
1	PL ³ / ₈ x4	0	9	p75		4	4	A36
5	PL ¹ / ₄ x3	0	3	p43		1	3	A36
	FIELD BOLTS							
7	TC ³ / ₄ Dia A325N	0	1 ³ / ₄					+1HD WASH
ONE	BEAM				21B3	193	193	
1	W12x14	13	8 ¹ / ₁₆	21B3		191	191	BZE A992
2	PL ¹ / ₄ x3	0	3	p43		1	1	A36
	FIELD BOLTS							
6	TC ³ / ₄ Dia A325N	0	1 ³ / ₄					+1HD WASH
2	¹ / ₂ Dia A307	0	2 ¹ / ₂					+1HD WASH



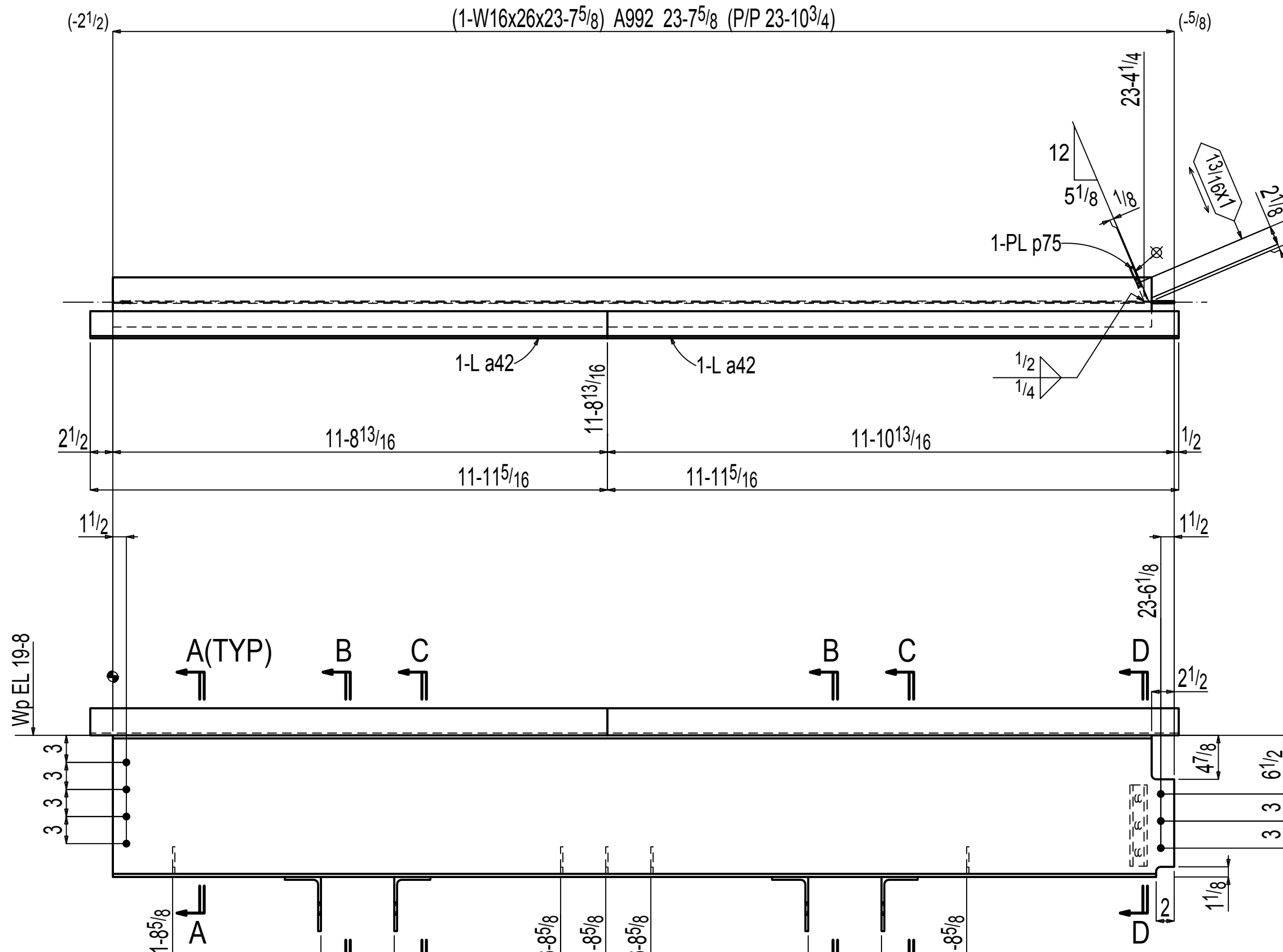
ONE BEAM 21B1

W	117/8x3/16
F	4x1/4
K	3/4x5/8



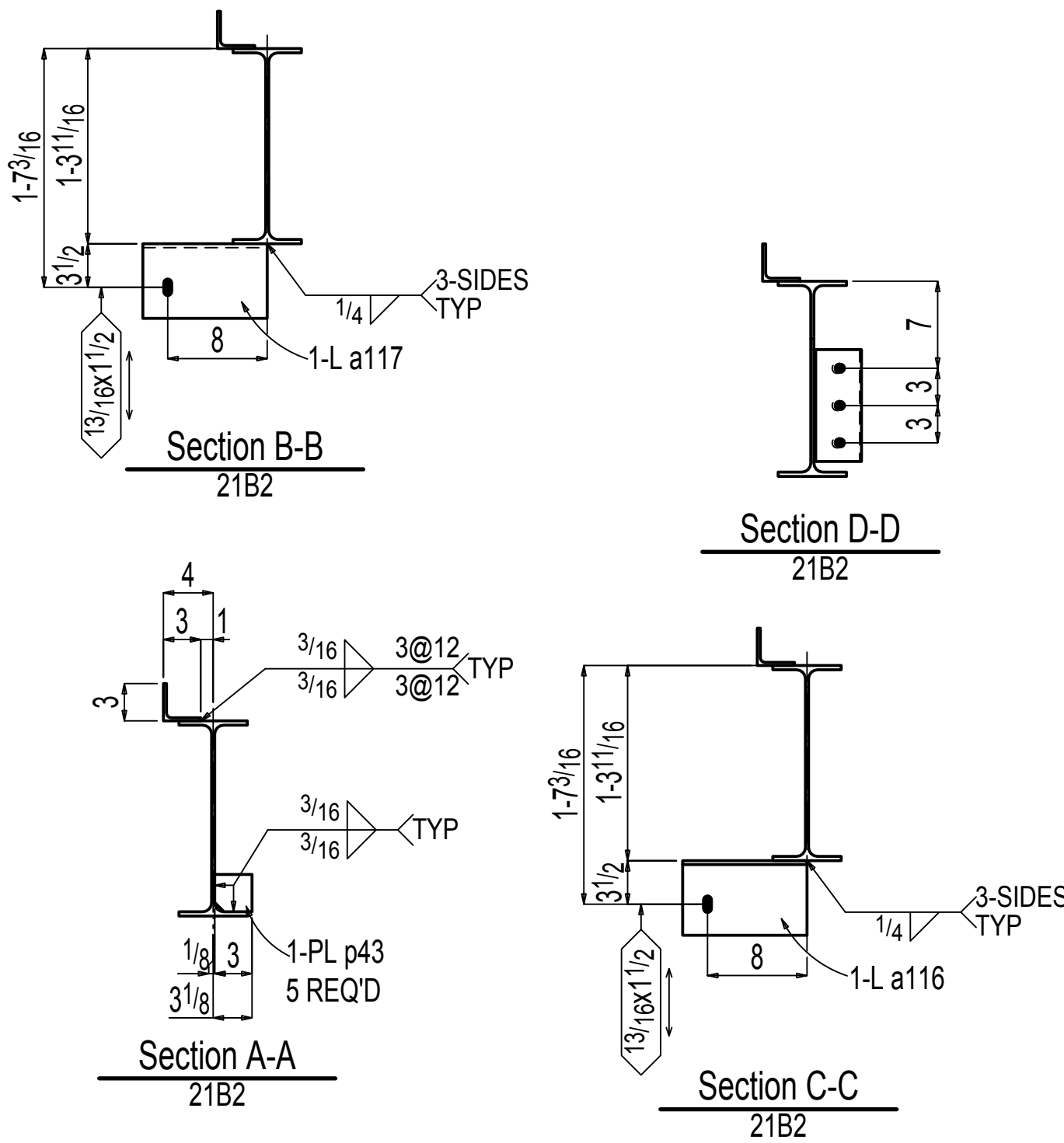
ONE BEAM 21B3

W	117/8x3/16
F	4x1/4
K	3/4x5/8



ONE BEAM 21B2

W	151 1/16x1/4
F	5 1/2x3/8
K	1 1/16x13/16



TOTAL WEIGHT THIS DRAWINGS:1242

NOTICE TO CONTRACTORS AND/OR ERECTORS

MODERN MACHINE SHOP, INC. WILL NOT ACCEPT BACKCHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS UNLESS AUTHORIZED AND APPROVED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL BECOME CONTRACTORS/ERECTORS LIABILITY. ANY QUESTIONS CALL (565) 722-4656

DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL. ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED. ALL SNIPS TO BE 1/4" X 1/4" UNLESS NOTED. ALL COPIES TO BE RADIOUS. X DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE. HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS INDICATES LAYOUT MARK FOR FABRICATION. LD=LIN/OTI HD=PLT WASHER F=HROUGHT WASHER MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A53B (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE/ANGLE/BAR	A36 (UNO)

PAINT: 1-SC PRIMER
OPEN HOLES: 13/16" DIA (UNO) OPEN BOLTS: 13/16" DIA (UNO) BOLT: 3/4" DIA A325(UNO) EDGE DIST: 1 1/2"(UNO)

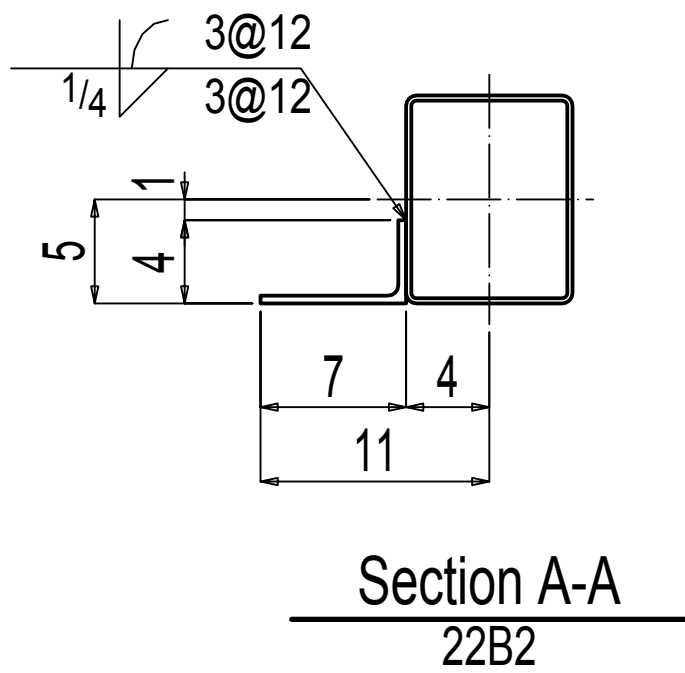
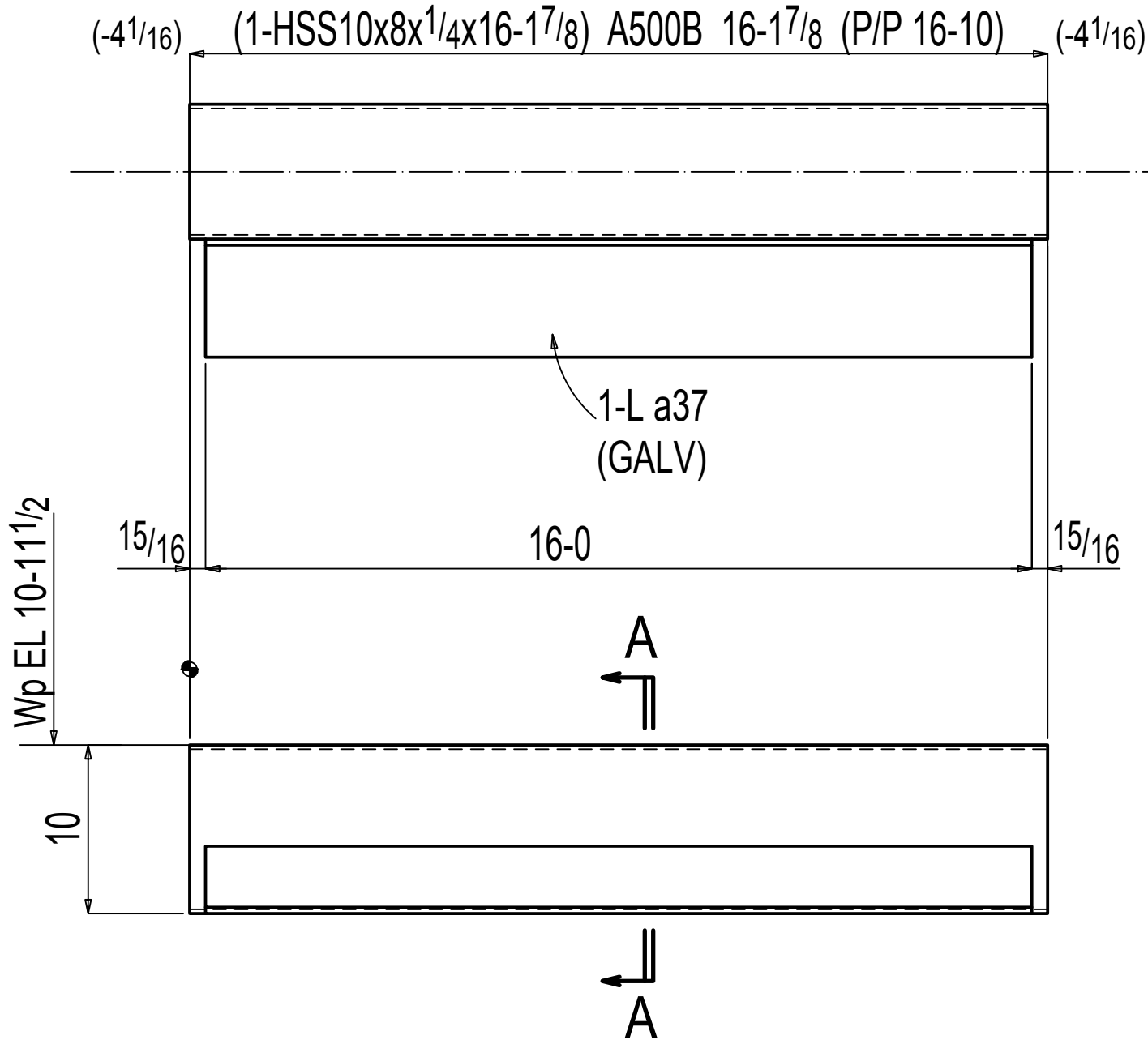
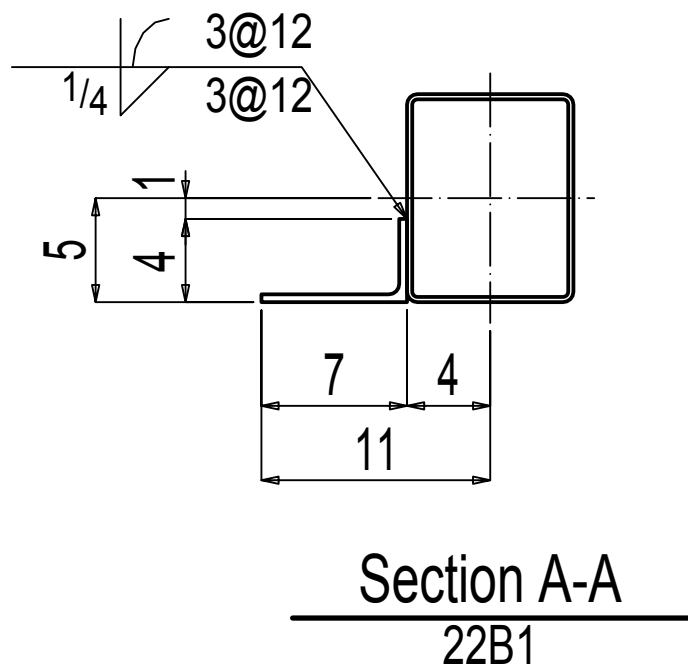
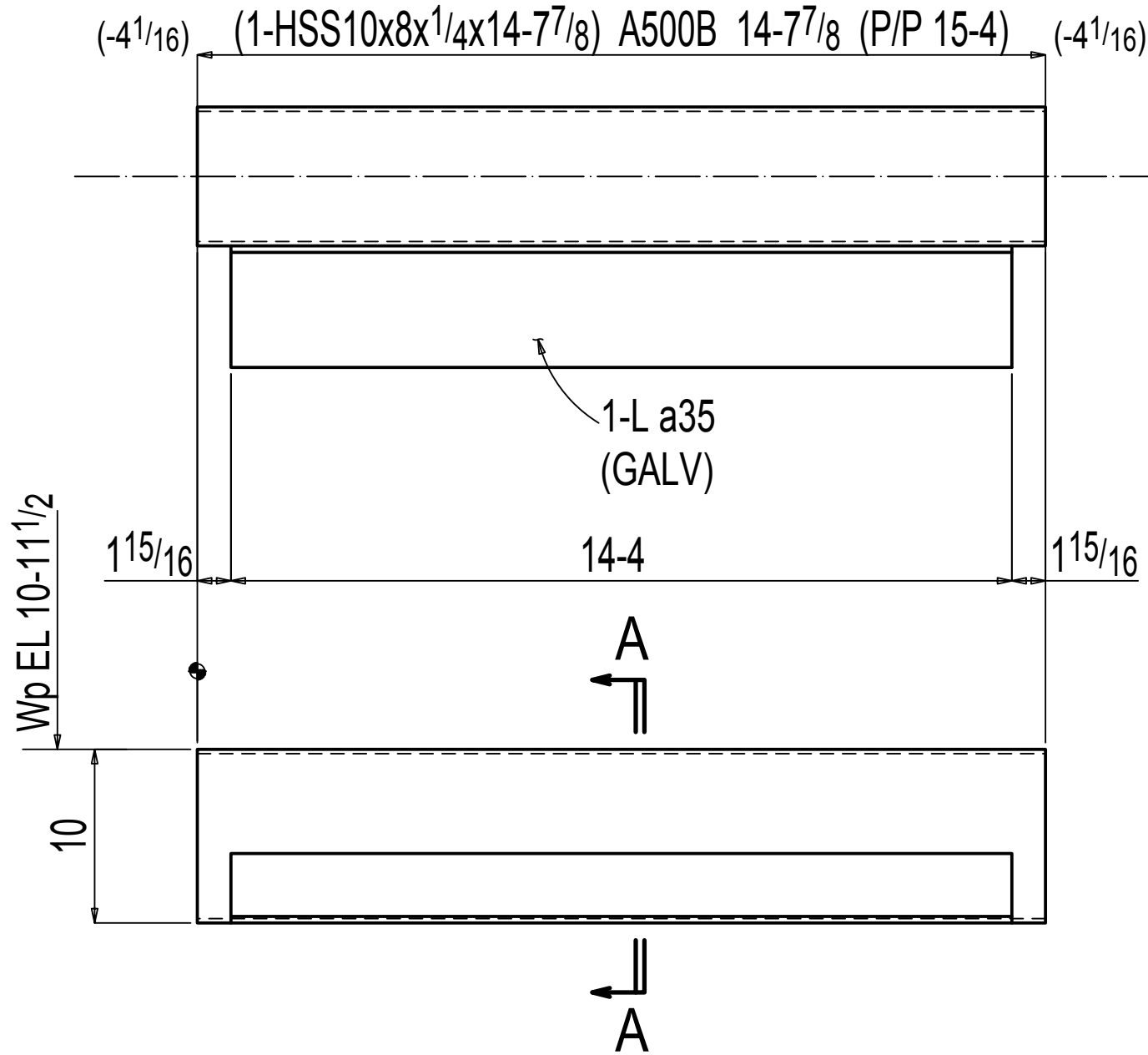
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CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

DRWN: _____ DATE: _____ FOR APPL: _____ ORDER NO.: _____
CHKD: _____ DATE: _____ TO SHOP: _____ REV: 0 DWG: 21

BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				22B1	623	623	
1	HSS10x8x1/4	14	77/8	22B1		428	428	A500B
1	L7x4x3/8	14	4	a35		195	195	GALV A36
ONE	BEAM				22B2	690	690	
1	HSS10x8x1/4	16	17/8	22B2		472	472	A500B
1	L7x4x3/8	16	0	a37		218	218	GALV A36



TOTAL WEIGHT THIS DRAWINGS:1208

NOTICE TO CONTRACTORS AND/OR ERECTORS

MODERN MACHINE SHOP, INC. WILL NOT ACCEPT BACKCHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS UNLESS AUTHORIZED AND APPROVED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL BECOME CONTRACTORS/ERECTORS LIABILITY. ANY QUESTIONS CALL (561) 722-4656

DATE: SIGNATURE:

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL. ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED. ALL SNIPS TO BE 1/4" X 1/4" UNLESS NOTED. ALL COPIES TO BE RADIIUSED. X DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE. HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS X INDICATES LAYOUT MARK FOR FABRICATION. LD=LIN/DTI HD=H/LT WASHER FL=FLROUGHT WASHER MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

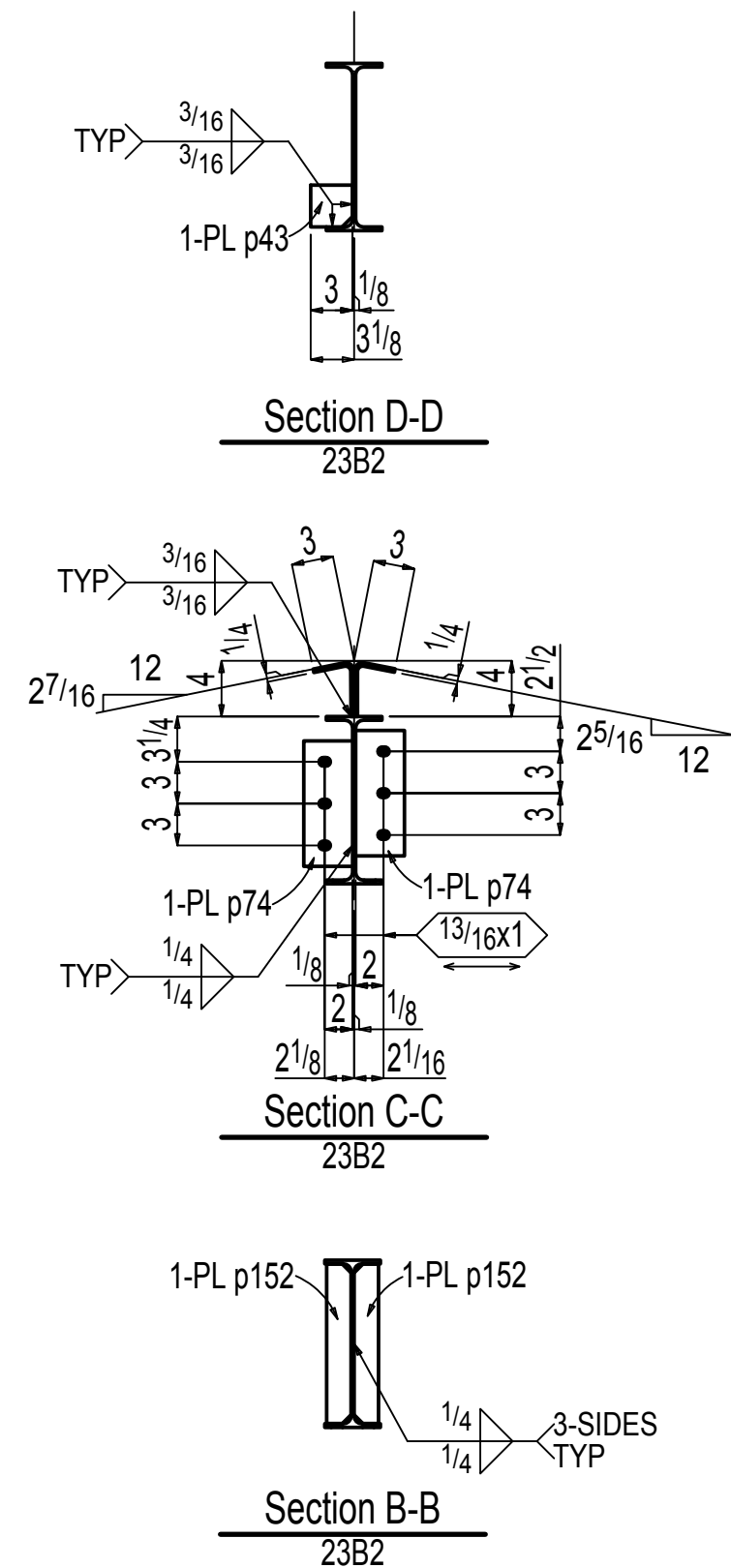
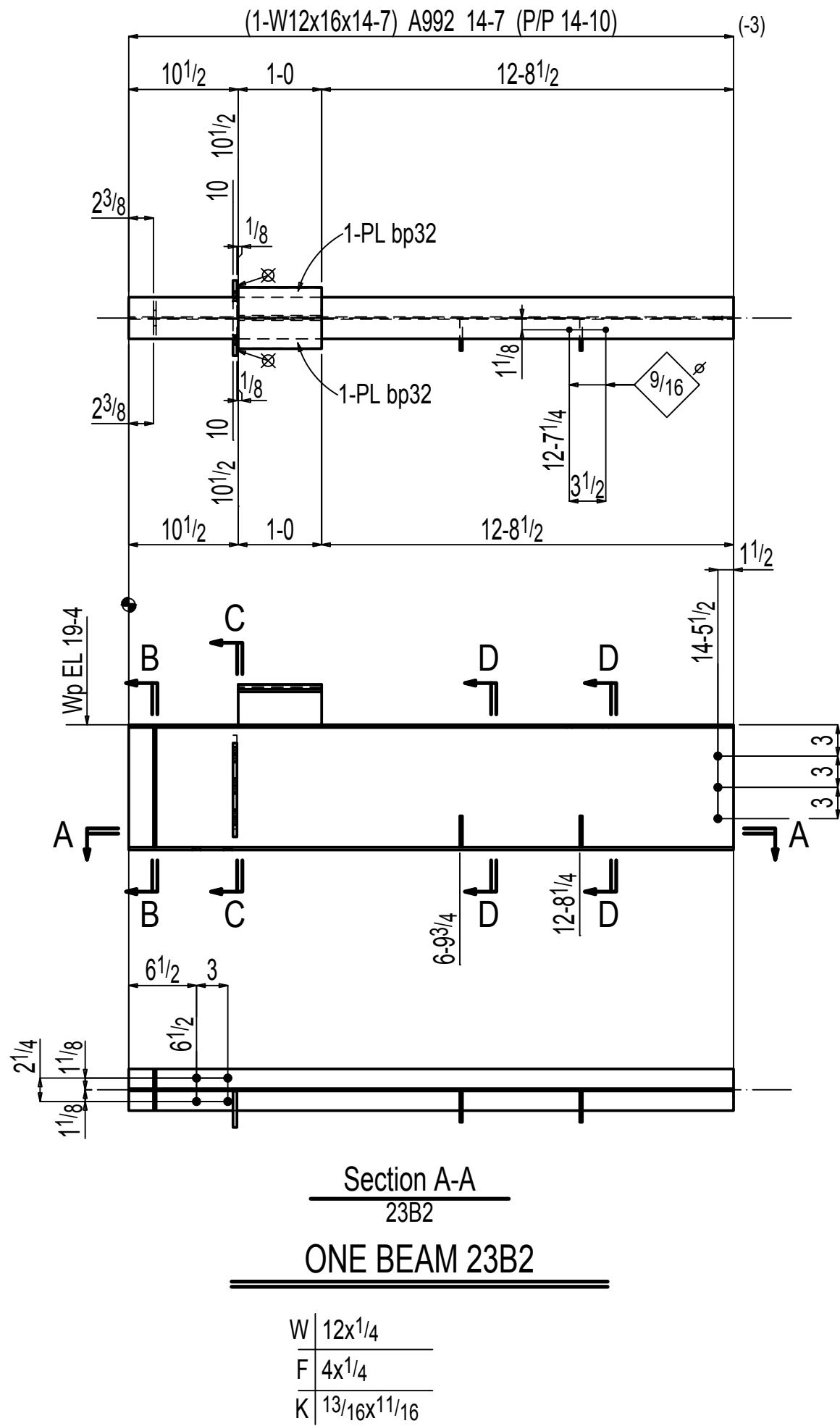
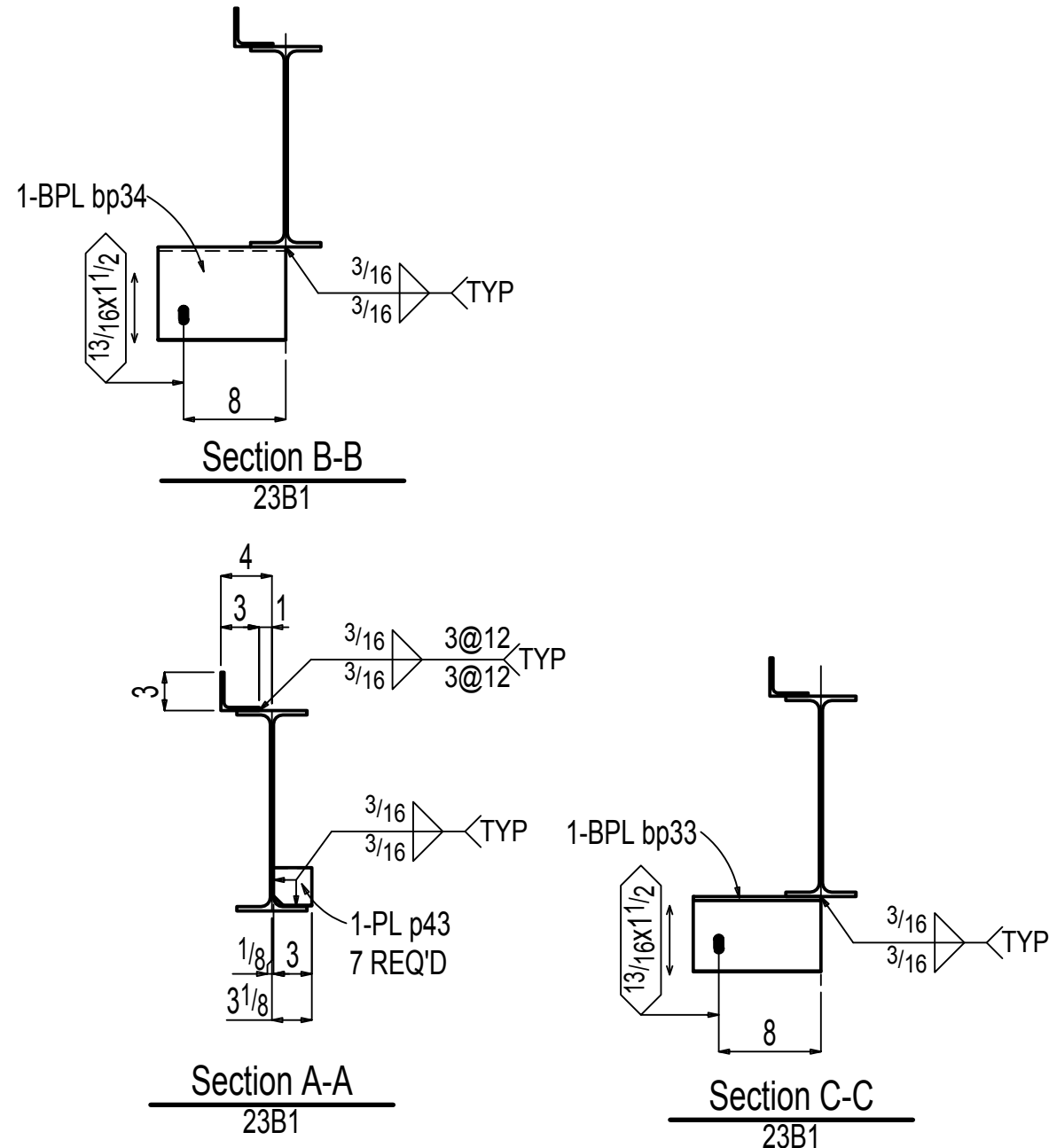
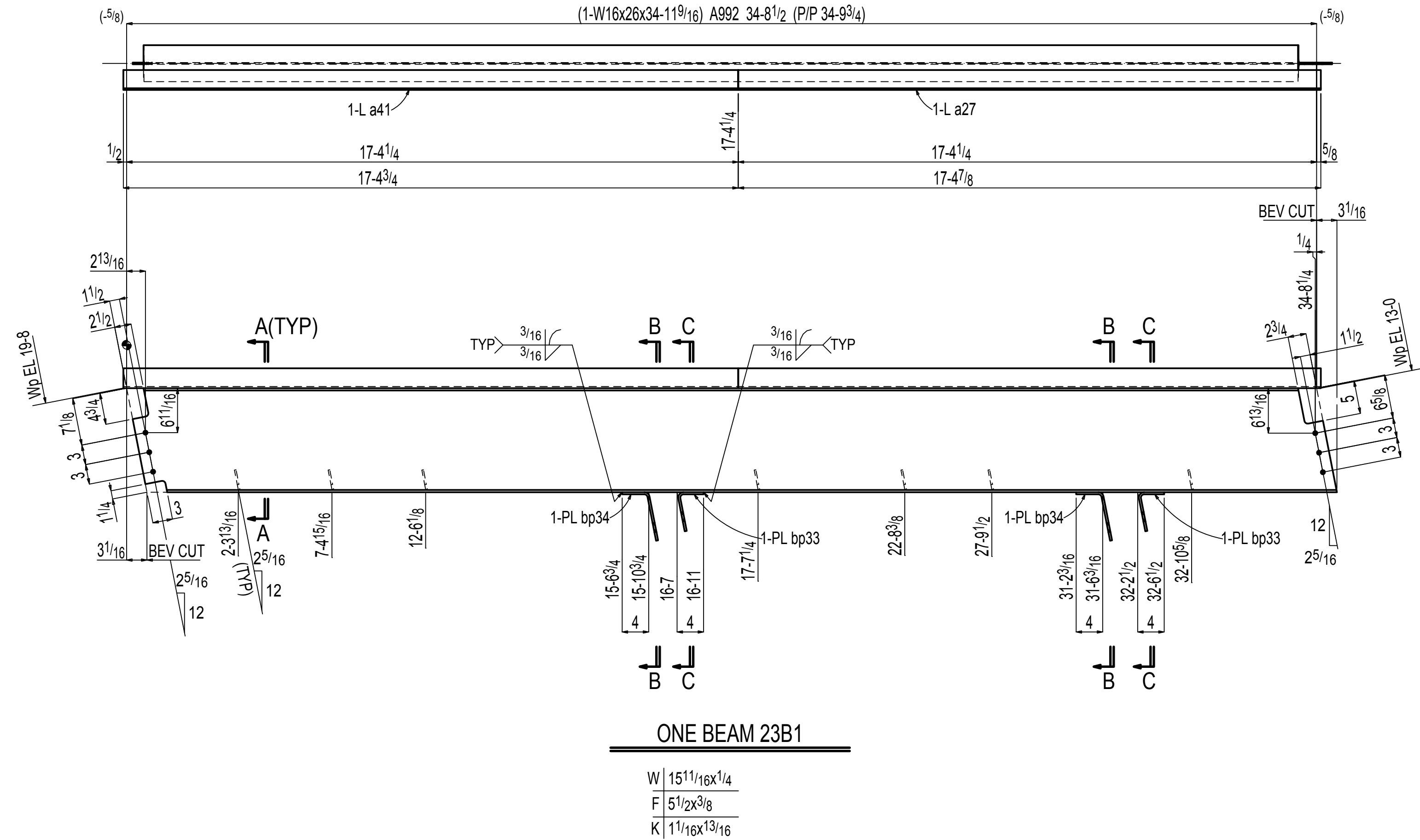
MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A538 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE/ANGLE/BAR	A36 (UNO)

NO.	DATE	BY	DESCRIPTION
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PART: 1-SC PRIMER
OPEN HOLES: 1/8" DIA (UNO) OPEN SLOTS: 1/8" DIA (UNO) BOLT: 3/4" DIA A325 (UNO) EDGE DIST: 1 1/2" (UNO)

CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

DRWN: DATE: FOR APPL: ORDER NO.:
CHKD: DATE: TO SHOP: REV: 0 DWG: 22



BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				23B1	1120	1120	
1	W16x26	34	119/16	23B1		909	909	BZE A992
1	L3x3x1/4	17	4 7/8	a27		85	85	A36
1	L3x3x1/4	17	4 3/4	a41		85	85	A36
2	BPL 5/16x10 5/16	0	10	bp34		10	19	BENT A36
2	BPL 5/16x9 3/16	0	10	bp33		8	16	BENT A36
7	PL 1/4x3	0	3	p43		1	4	A36
	FIELD BOLTS							
6	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
ONE	BEAM				23B2	255	255	
1	W12x16	14	7	23B2		233	233	A992
2	PL 3/8x3 1/2	0	9	p74		3	7	A36
2	BPL 1/4x6 3/8	1	0	bp32		5	11	BENT A36
2	PL 1/4x3	0	3	p43		1	1	A36
2	PL 1/4x1 3/4	0	11 7/16	p152		1	3	A36
	FIELD BOLTS							
4	TC 3/4 Dia A325N	0	2					+1HD WASH
3	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
2	1/2 Dia A307	0	2 1/2					+1HD WASH

TOTAL WEIGHT THIS DRAWINGS:1428

NOTICE TO CONTRACTORS AND/OR ERECTORS

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DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

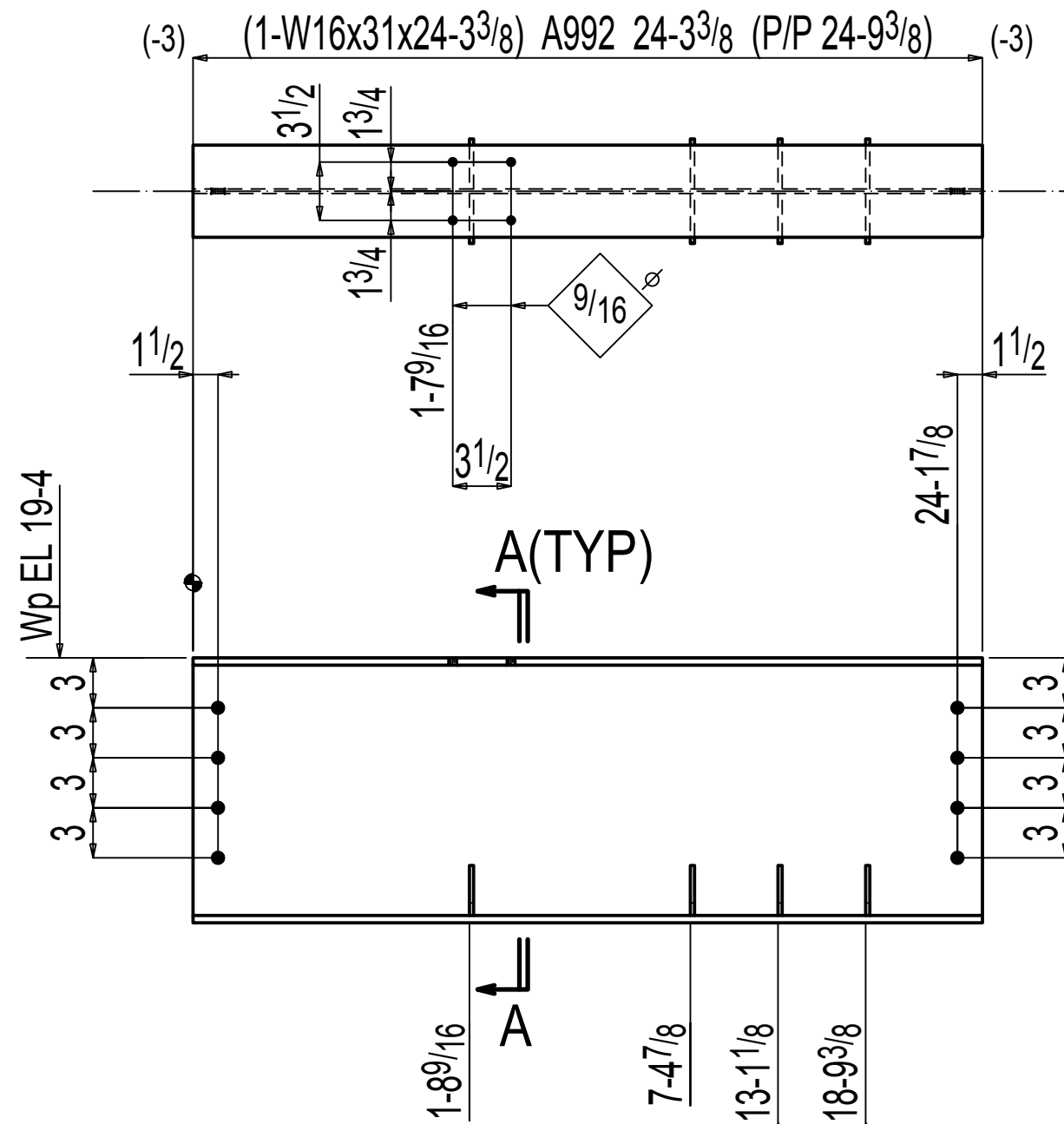
ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL.
ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED.
ALL SNIPS TO BE 1/4" X 1/4" UNLESS NOTED.
ALL COPIES TO BE RADIOUS.
X DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE.
HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS
X INDICATES LAYOUT MARK FOR FABRICATION
LD=LD(OT) HD=HD(OT) W=HD(OT) W=HD(OT) W=HD(OT)
MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A338 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE ANGLE BAR	A36 (UNO)

PAINT: 1-SC PRIMER
OPEN HOLES: 1 3/8" DIA (UNO) OPEN SLOTS: 1 3/8" DIA (UNO) BOLT: 3/4" DIA A325 (UNO) EDGE DIST: 1 1/2" (UNO)

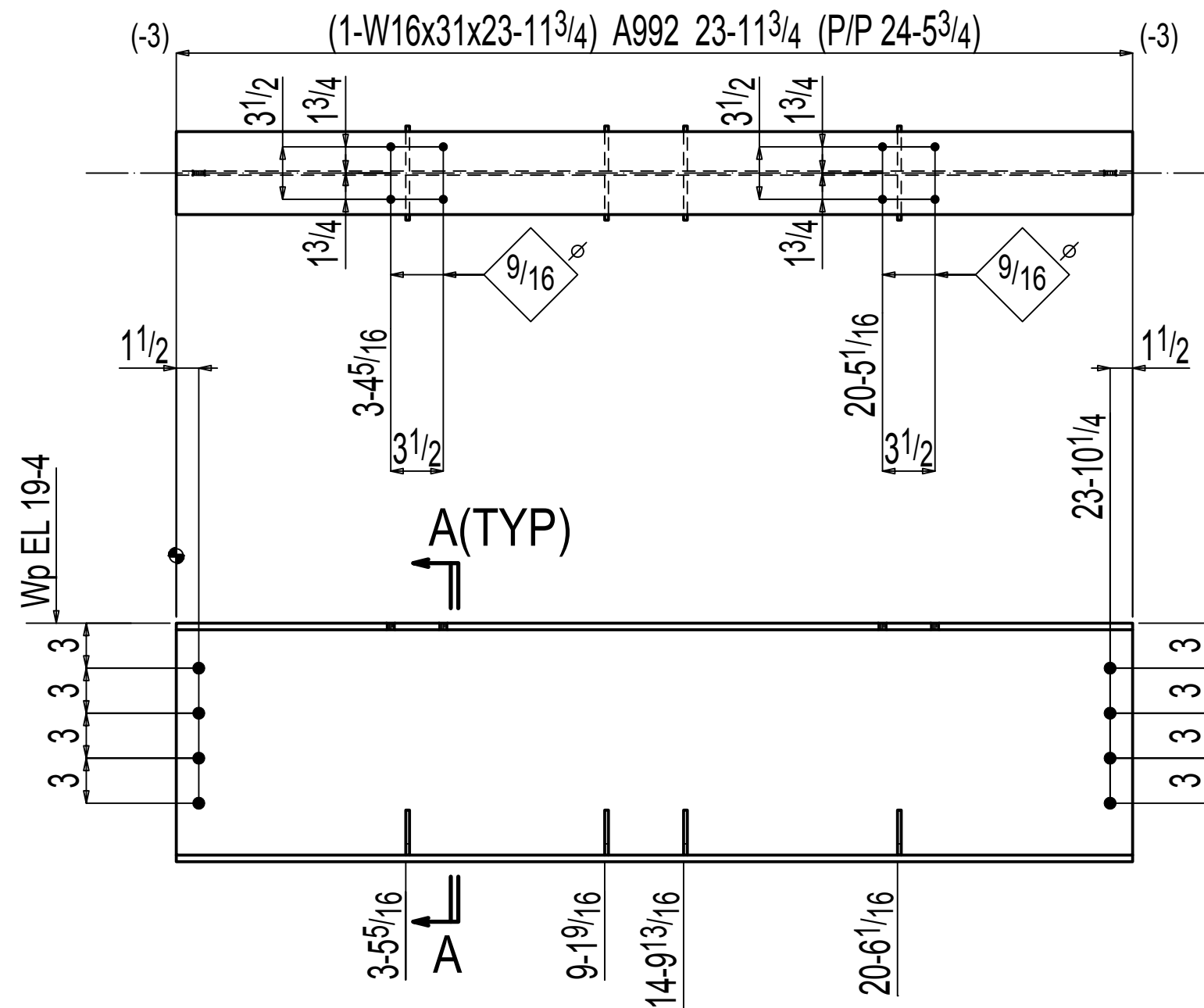
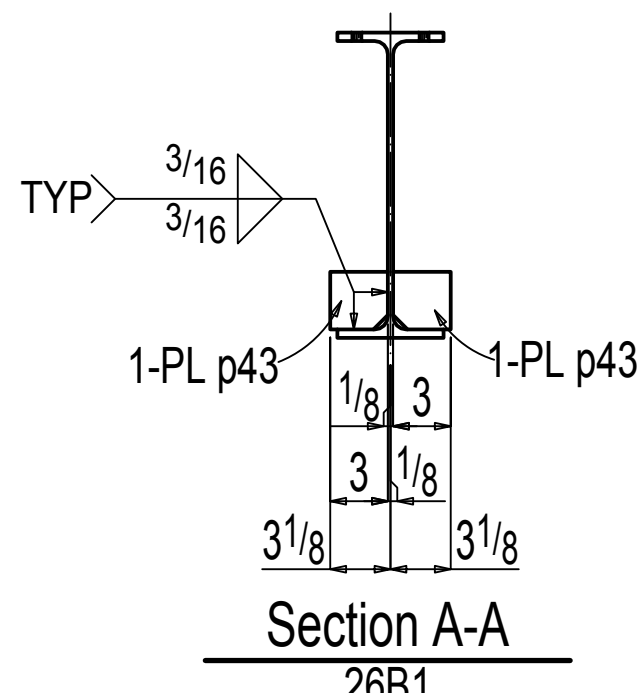
CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

DRWN: _____ DATE: _____ FOR APPL: _____ ORDER NO.: _____
CHKD: _____ DATE: _____ TO SHOP: _____ REV: 0 DWG: 23



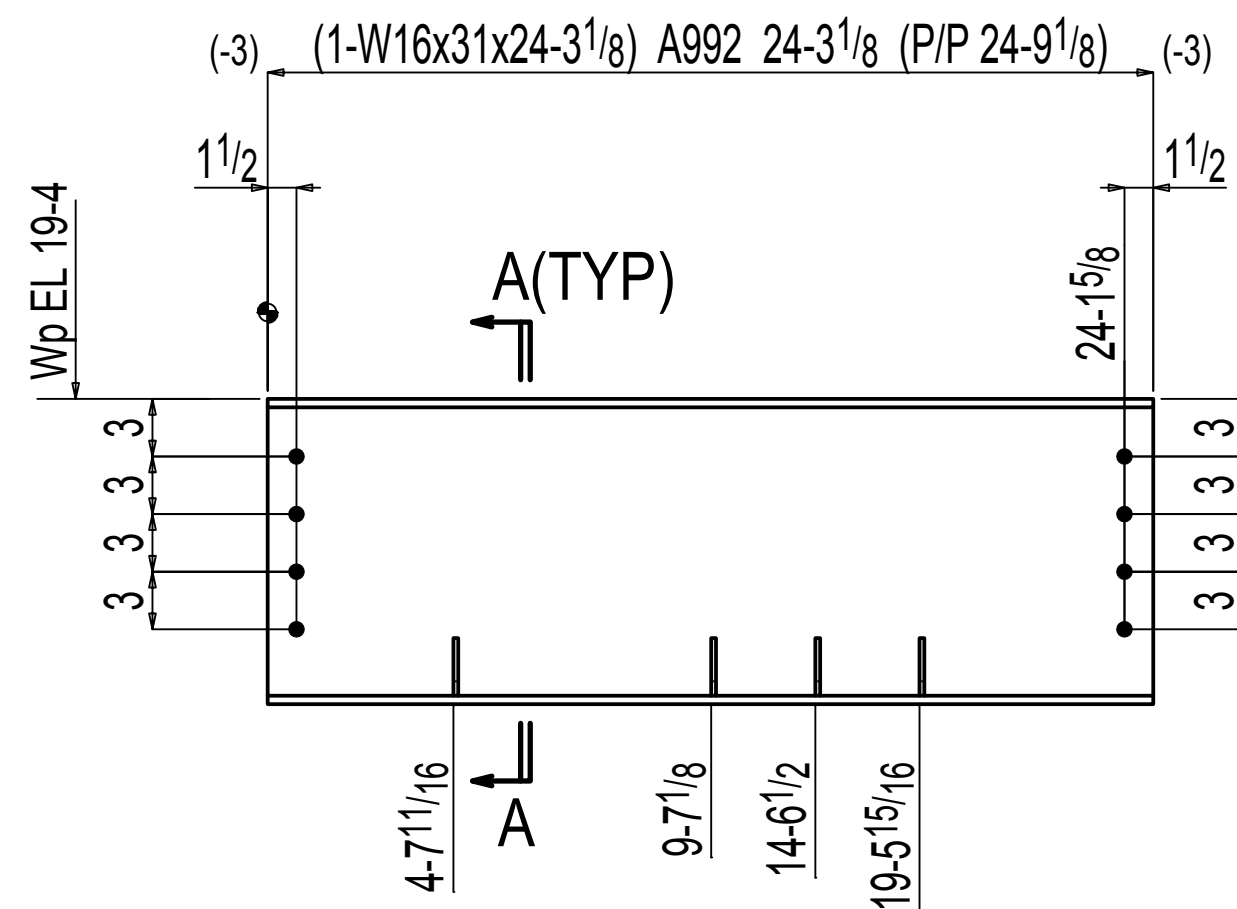
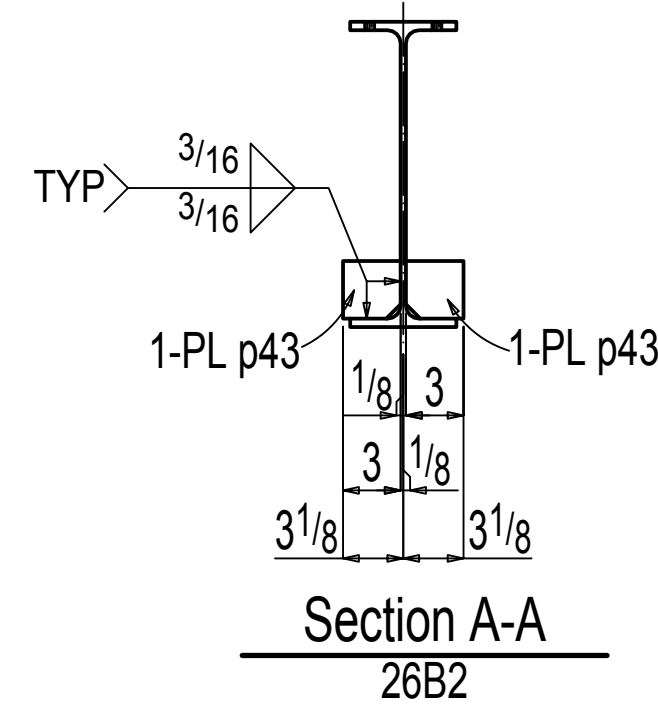
ONE BEAM 26B1

W | 15⁷/₈x1¹/₄
F | 5¹/₂x7⁷/₁₆
K | 1¹/₈x13¹/₁₆



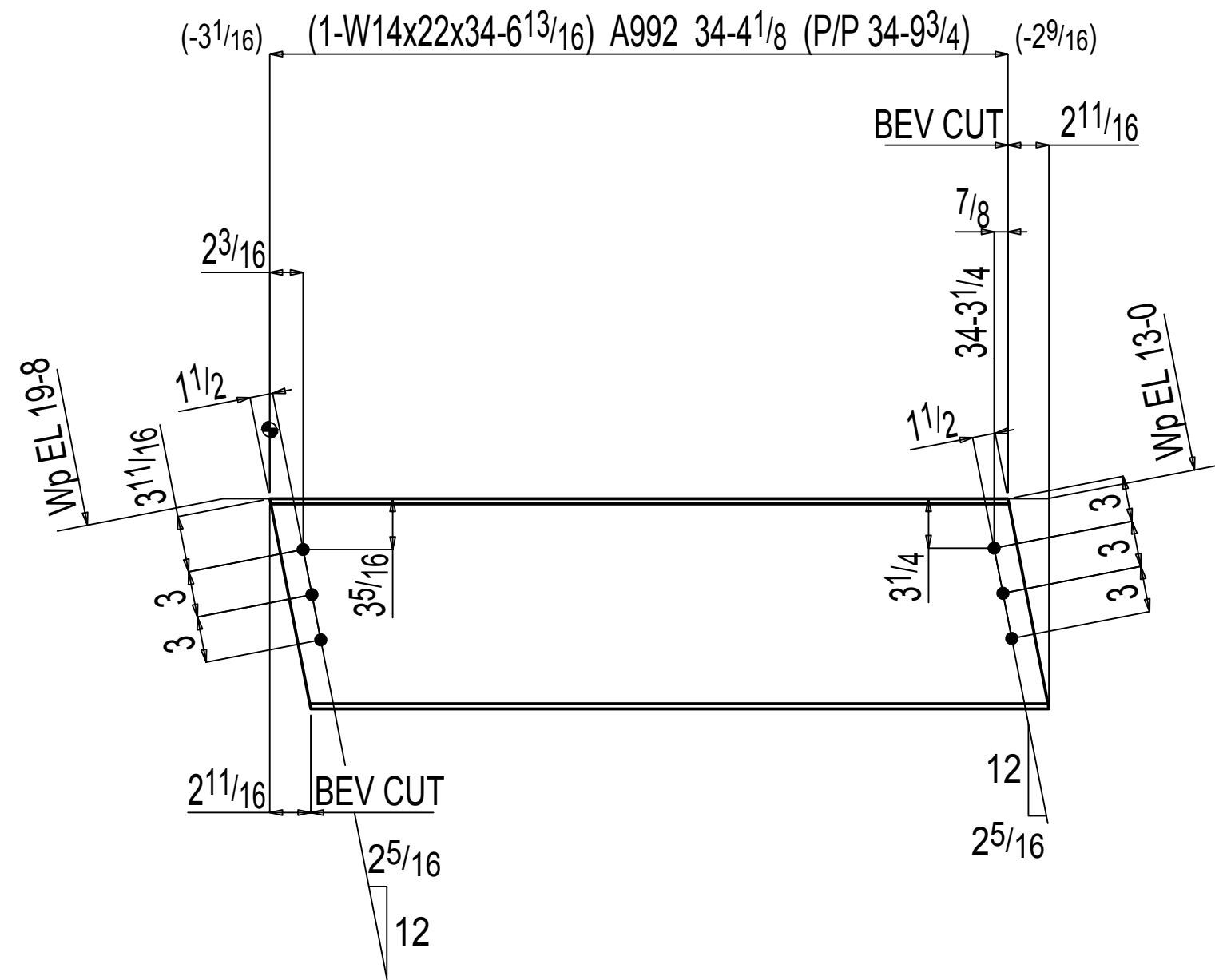
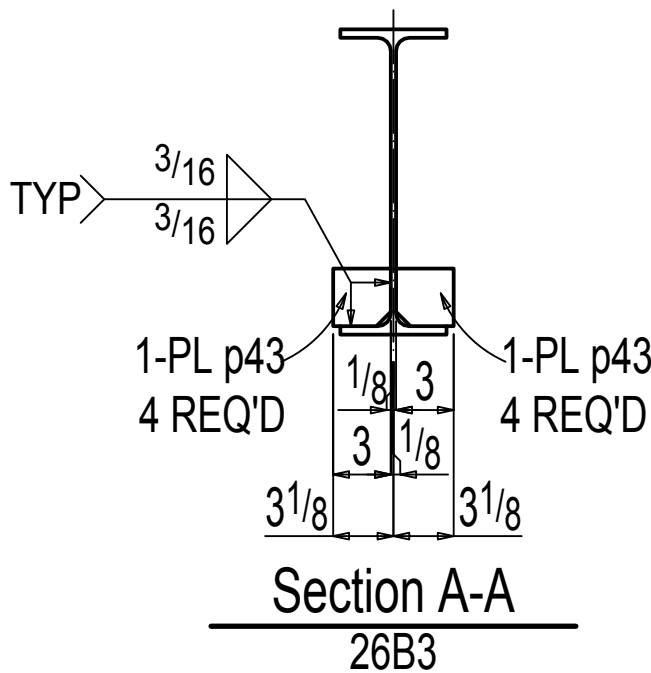
ONE BEAM 26B2

W | 15⁷/₈x1¹/₄
F | 5¹/₂x7⁷/₁₆
K | 1¹/₈x13¹/₁₆



ONE BEAM 26B3

W | 15⁷/₈x1¹/₄
F | 5¹/₂x7⁷/₁₆
K | 1¹/₈x13¹/₁₆



ONE BEAM 26B4

W | 13¹¹/₁₆x1¹/₄
F | 5x5⁵/₁₆
K | 1¹/₁₆x13¹/₁₆

NOTICE TO CONTRACTORS AND/OR ERECTORS

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DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL. ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED. ALL SNIPS TO BE 1/4" X 3/4" UNLESS NOTED. ALL COPIES TO BE RADIOUS. X DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE. HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS INDICATES LAYOUT MARK FOR FABRICATION. LD+LW(DT) HD+PLT WASHER FL=HROUGHT WASHER MEMBERS ARE TO BE ERRECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A338 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE/ANGLE/BAR	A36 (UNO)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

DRWN _____ DATE _____ FOR APPL _____ ORDER NO. _____
CHKD _____ DATE _____ TO SHOP _____ REV. _____ DWG. _____

BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				26B1	758	758	
1	W16x31	24	3 3/8	26B1		753	753	A992
8	PL 1/4x3	0	3	p43		1	5	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
4	1/2 Dia A307	0	2 1/2					+1HD WASH
ONE	BEAM				26B2	748	748	
1	W16x31	23	11 3/4	26B2		743	743	A992
8	PL 1/4x3	0	3	p43		1	5	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
8	1/2 Dia A307	0	2 1/2					+1HD WASH
ONE	BEAM				26B3	757	757	
1	W16x31	24	3 1/8	26B3		752	752	A992
8	PL 1/4x3	0	3	p43		1	5	A36
	FIELD BOLTS							
8	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH
ONE	BEAM				26B4	760	760	
1	W14x22	34	6 13/16	26B4		760	760	B2E A992
	FIELD BOLTS							
6	TC 3/4 Dia A325N	0	1 3/4					+1HD WASH

TOTAL WEIGHT THIS DRAWINGS:3023

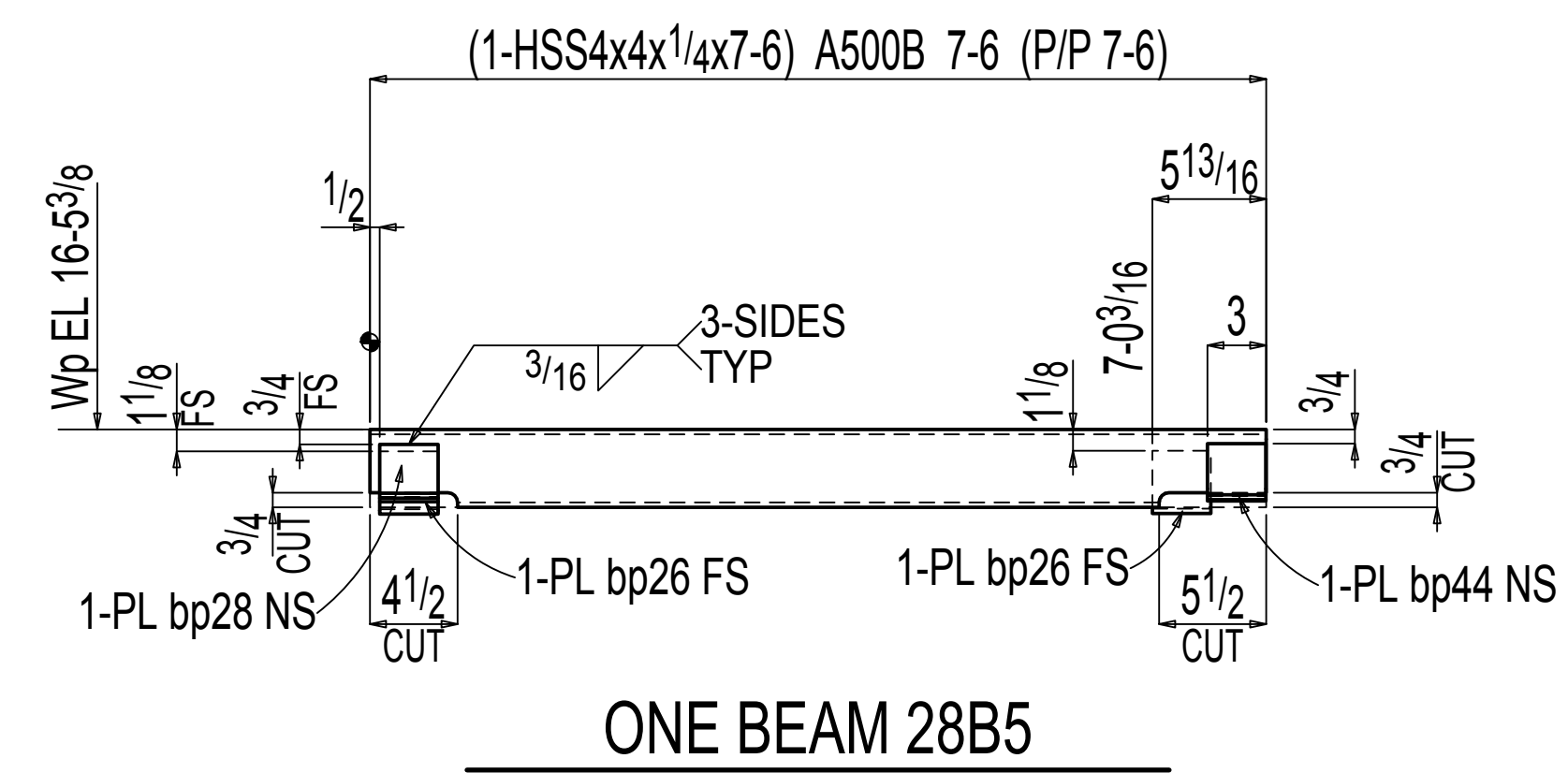
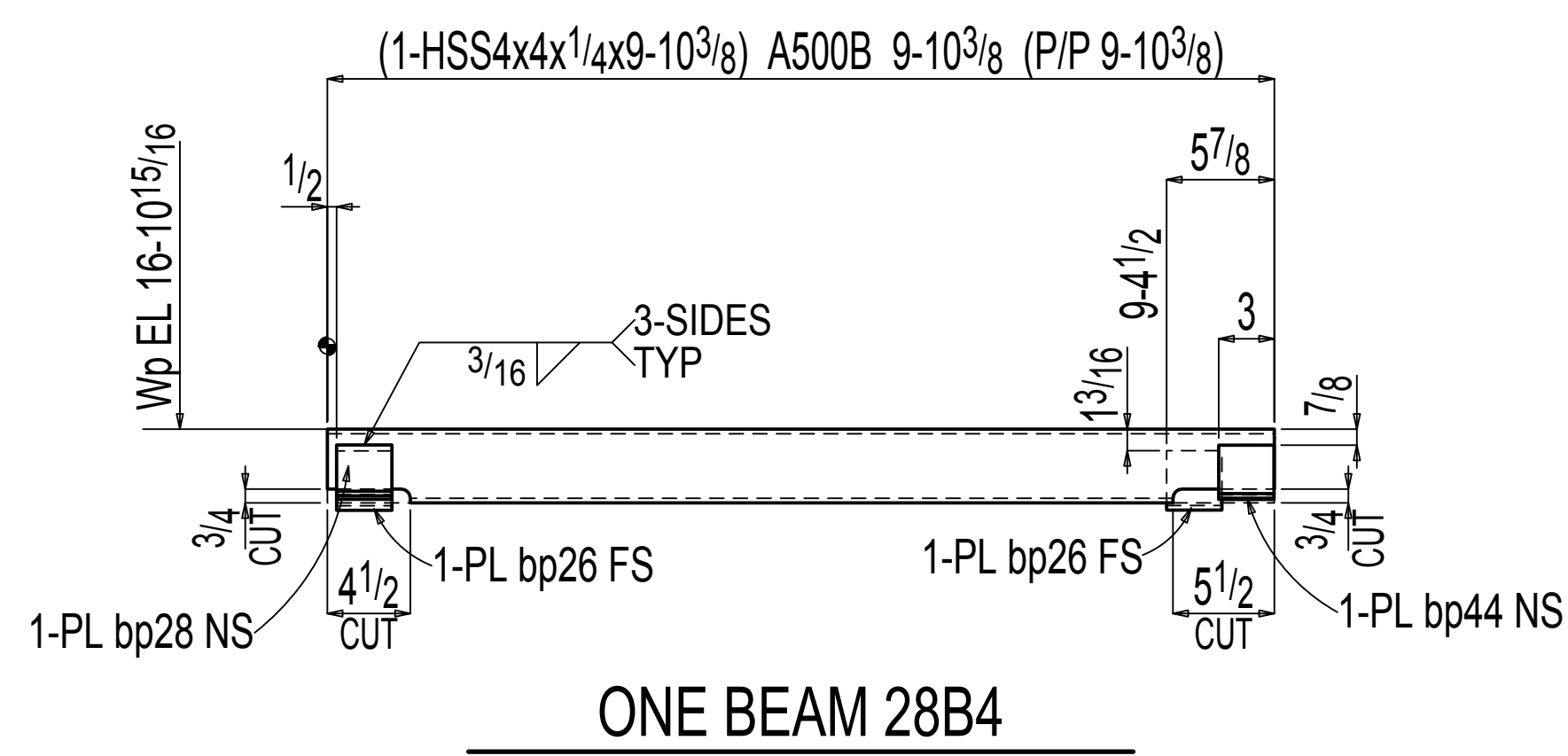
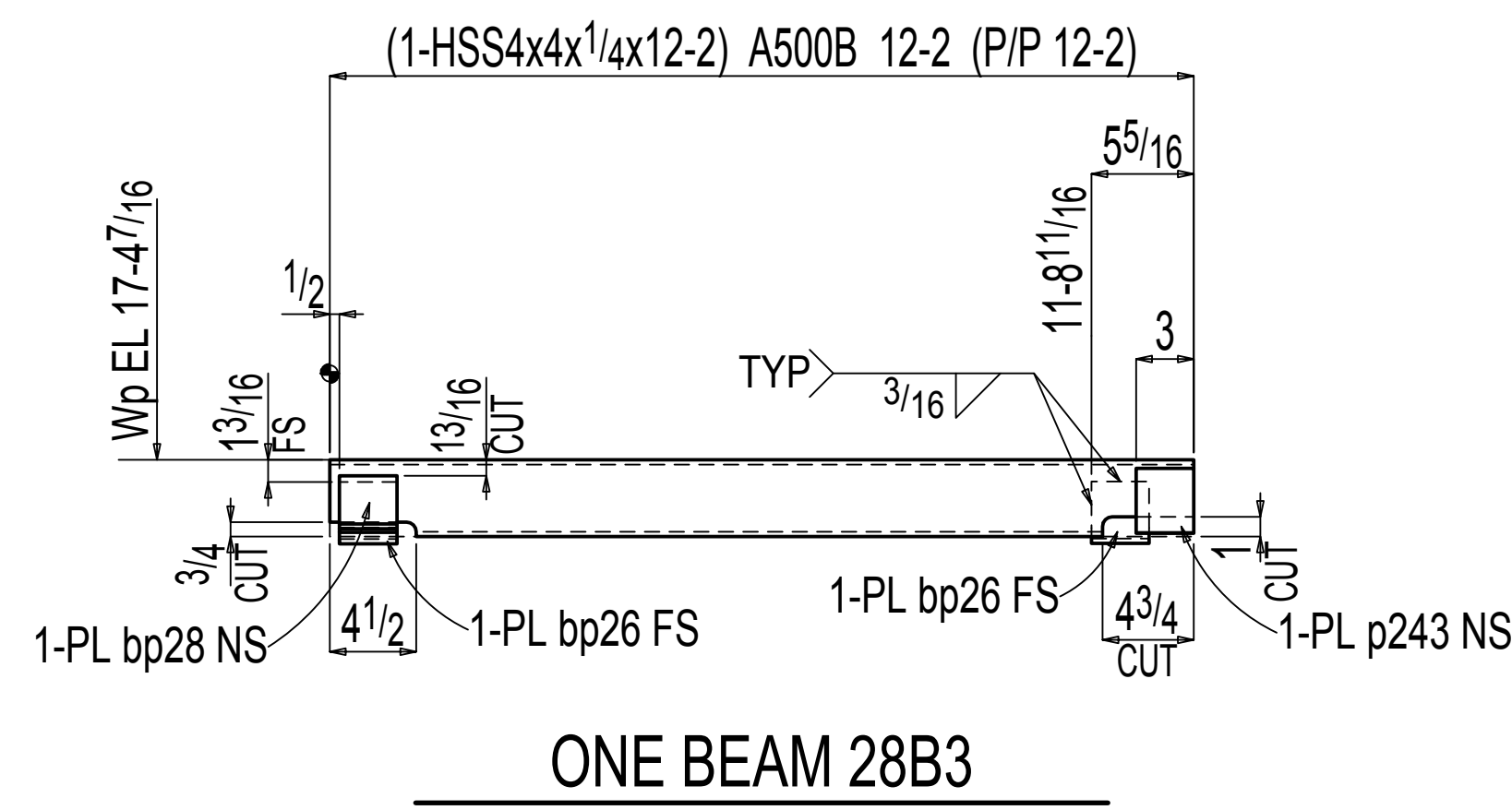
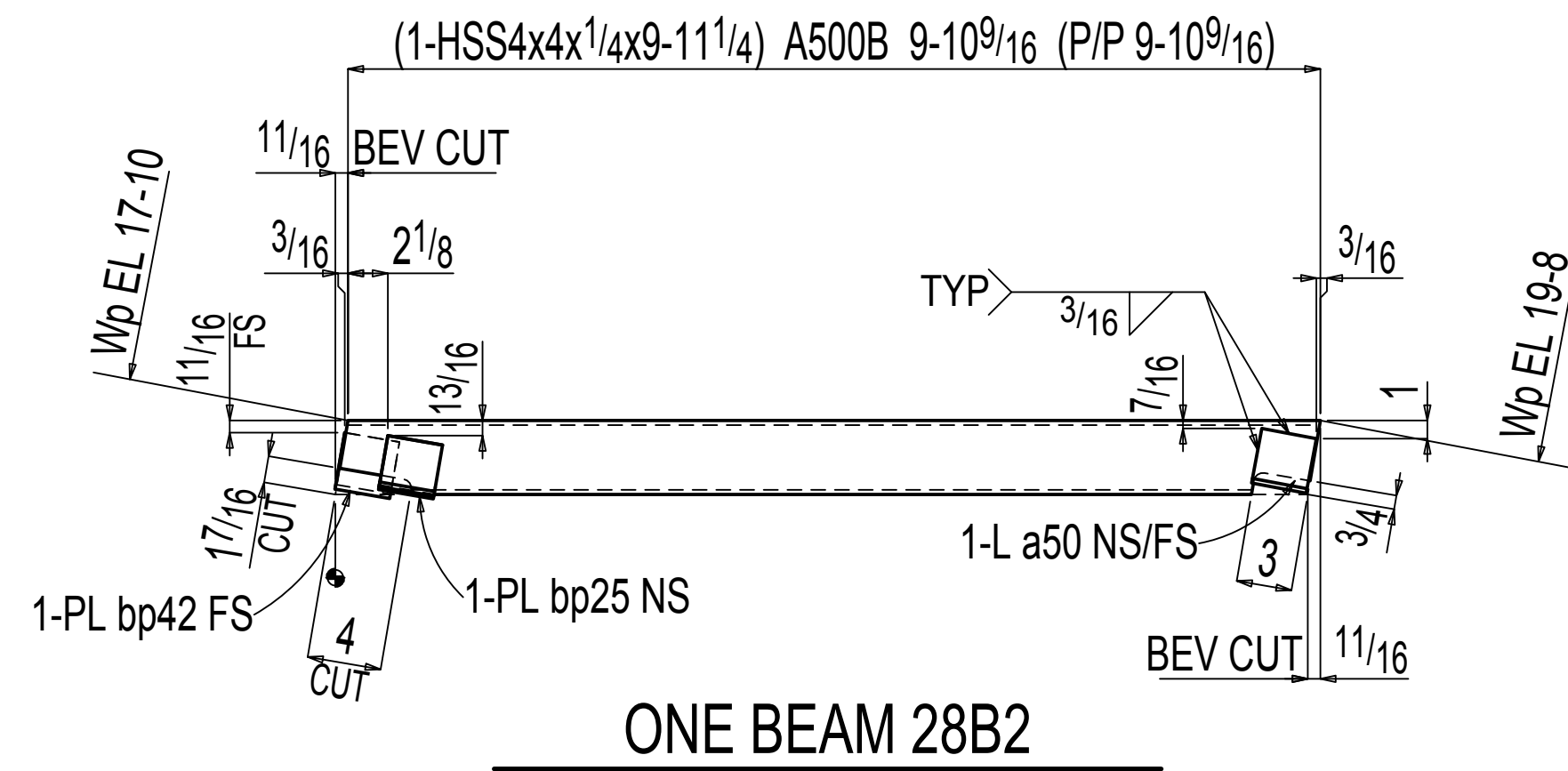
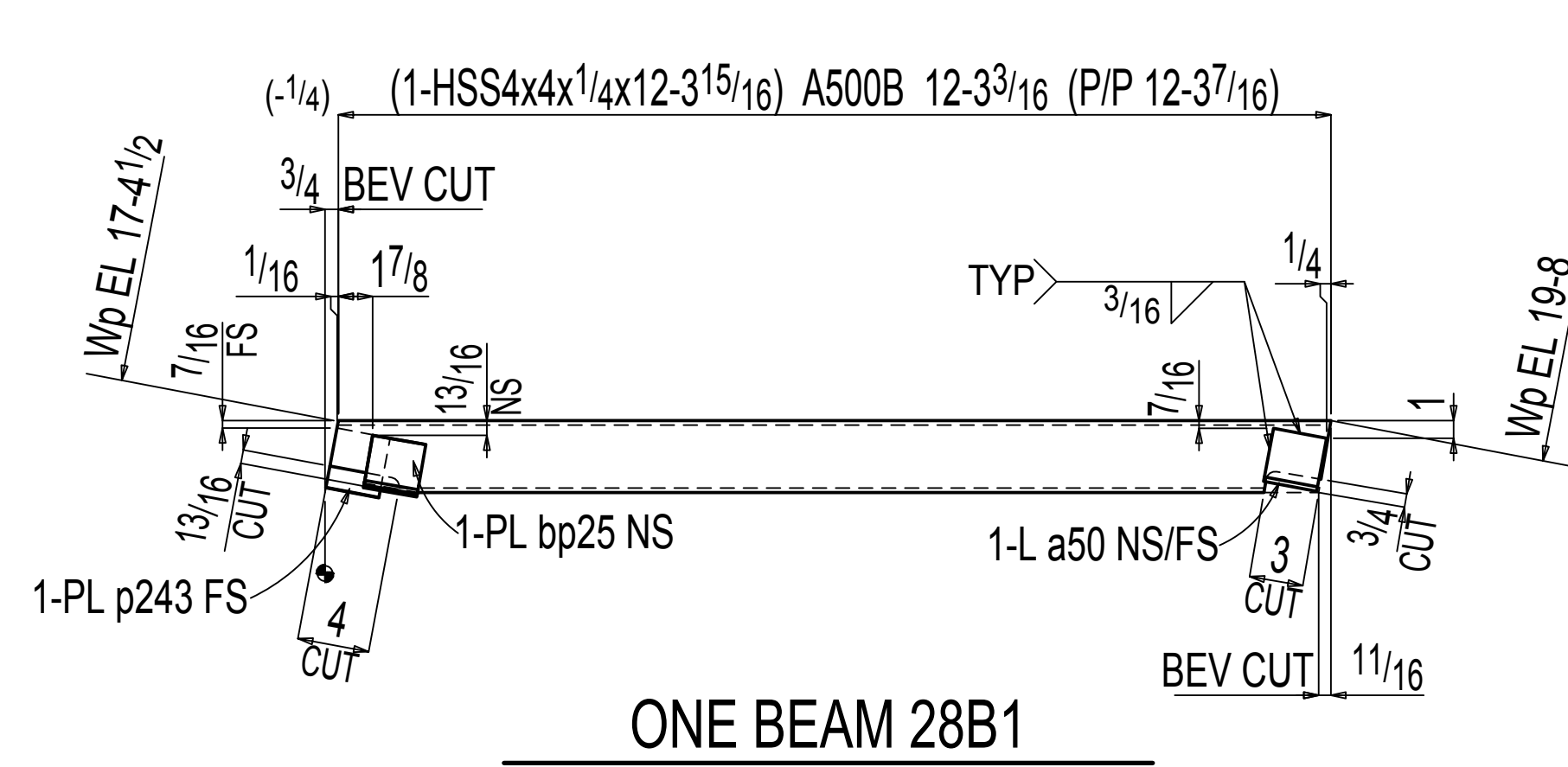


Diagram showing the elevation view of ONE BEAM 27B2. The beam is supported by 1-PL p61 CNTR. The total length is 19'-0 1/8" (1-HSS8x2x1/4x18-11 5/8"). The beam is reinforced with 3-5 3/16" bars. The elevation shows a 1/4" SQ CUT at the ends. The beam is labeled ONE BEAM 27B2.



DRWN _____ DATE _____	FOR APPL. _____	ORDER NO. _____
CHKD _____ DATE _____	TO SHOP _____	REV. <u>0</u> DWG. <u>27</u>

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THESE SHALL NOT BE USED, REPRODUCED, MODIFIED,
OR COPIED IN ANY FORM OR MANNER WITHOUT THE
EXPRESS, WRITTEN PERMISSION, CONSENT, AND DUE
COMPENSATION TO THE FABRICATOR:
MODERN MACHINE SHOP, INC., COPYRIGHT 2013



BILL OF MATERIAL								
NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				28B1	155	155	
1	HSS44x1/4	12	3 5/16	28B1		151	151	B2E A500B
2	L3x3x1/4	0	3	a50		1	2	A36
1	BPL 1/4x5 1/2	0	3	bp25		1	1	BENT A36
1	PL 1/4x3	0	3 3/8	p243		1	1	A36
ONE	BEAM				28B2	126	126	
1	HSS44x1/4	9	11 1/4	28B2		121	121	B2E A500B
2	L3x3x1/4	0	3	a50		1	2	A36
1	BPL 1/4x5 1/2	0	3	bp25		1	1	BENT A36
1	BPL 1/4x4 1/16	0	3	bp42		1	1	BENT A36
ONE	BEAM				28B3	153	153	
1	HSS44x1/4	12	2	28B3		149	149	A500B
2	BPL 1/4x5 9/16	0	3	bp26		1	2	BENT A36
1	BPL 1/4x5 1/2	0	3	bp28		1	1	BENT A36
1	PL 1/4x3	0	3 3/8	p243		1	1	A36
ONE	BEAM				28B4	125	125	
1	HSS44x1/4	9	10 3/8	28B4		120	120	A500B
2	BPL 1/4x5 9/16	0	3	bp26		1	2	BENT A36
1	BPL 1/4x5 1/2	0	3	bp28		1	1	BENT A36
1	BPL 1/4x4	0	3	bp44		1	1	BENT A36
ONE	BEAM				28B5	96	96	
1	HSS44x1/4	7	6	28B5		92	92	A500B
2	BPL 1/4x5 9/16	0	3	bp26		1	2	BENT A36
1	BPL 1/4x5 1/2	0	3	bp28		1	1	BENT A36
1	BPL 1/4x4	0	3	bp44		1	1	BENT A36

TOTAL WEIGHT THIS DRAWINGS:645

MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A53B (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE,ANGLE,BAR	A36 (UNO)

NOTICE TO CONTRACTORS AND/OR ERECTORS:

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ACCEPT BACKCHARGES FOR CORRECTIVE
WORK OR REPLACED MATERIALS UNLESS
AUTHORIZED AND APPROVED. FAILURE
TO COMPLY WITH THIS REQUIREMENT
WILL BECOME CONTRACTORS/ERECTORS LIABILITY.
ANY QUESTIONS CALL (956) 722-4656

DATE: _____ SIGNATURE: _____

REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL.
ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED.
ALL SNIPS TO BE $3\frac{1}{2} \times 3\frac{1}{4}$ UNLESS NOTED.
ALL COPELS TO BE RADUSED.

⊗ DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE.
HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS

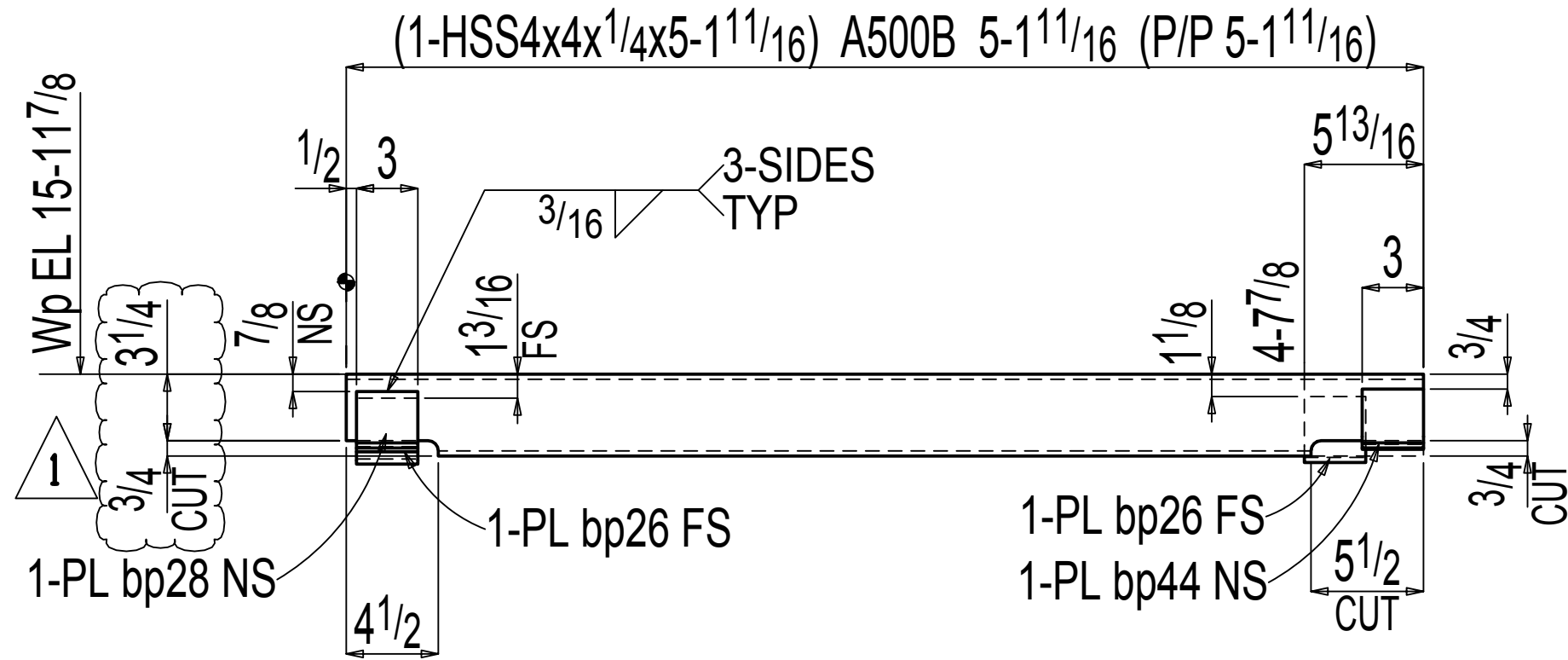
X INDICATES LAYOUT MARK FOR FABRICATION
LH=LEFT HD=RIGHT W= WASHER FL= FLOOR W= WASHER
MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS
IN SAME LOCATION AS ON ERECTION DRAWING NO.

[illegible]

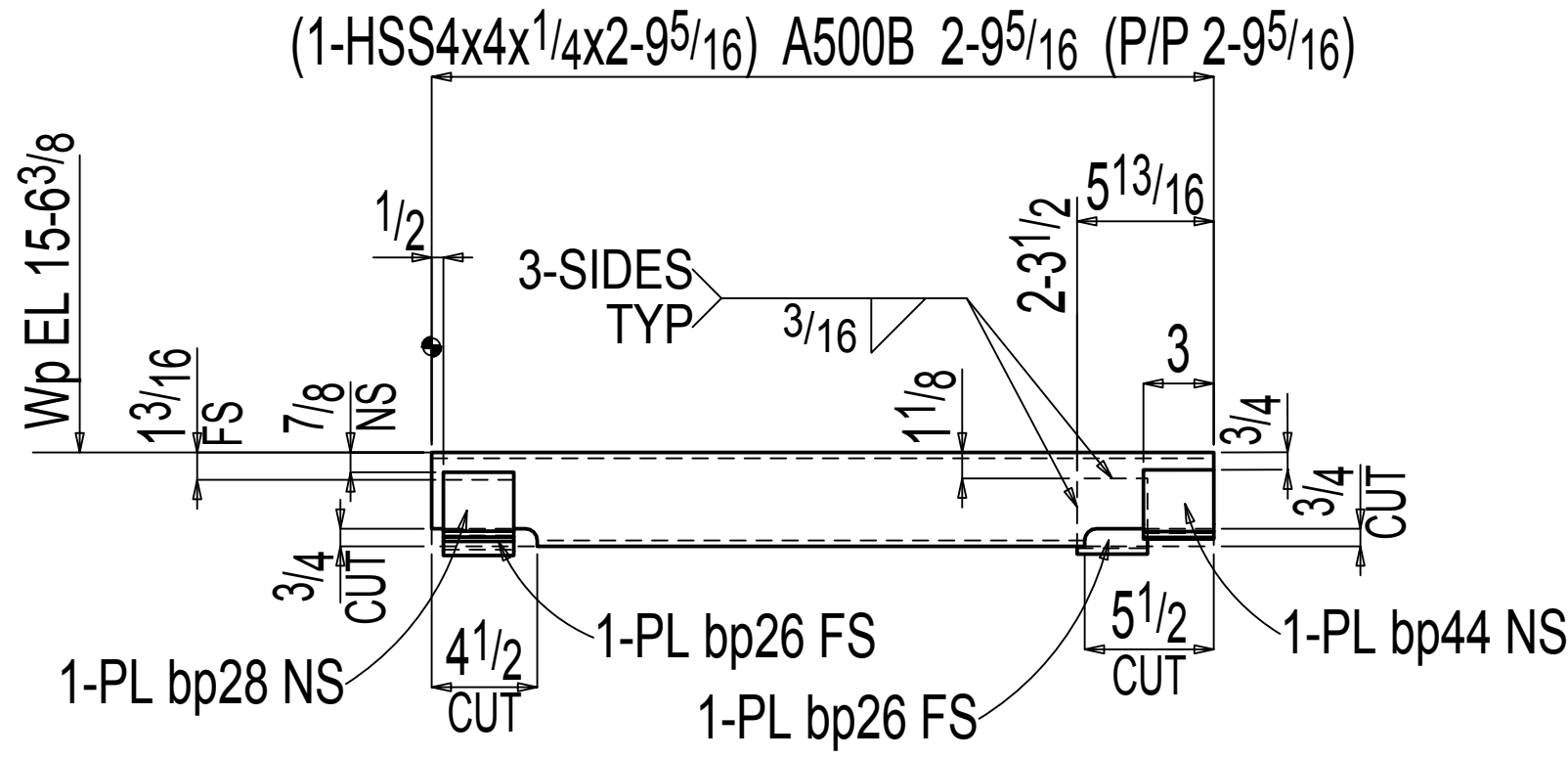
PAINT: 1-SIC PRIMER	
OPEN HOLES: 13/16" DIA (UNO)	OPEN SLOTS: 13/16x1 DIA (UNO) BOLT: 3/4" DIA A325(UNO) EDGE FAST: 1 1/2"(UNO)

CUSTOMER: _____
 ARCHITECT: _____
 PROJECT: _____
 LOCATION: _____

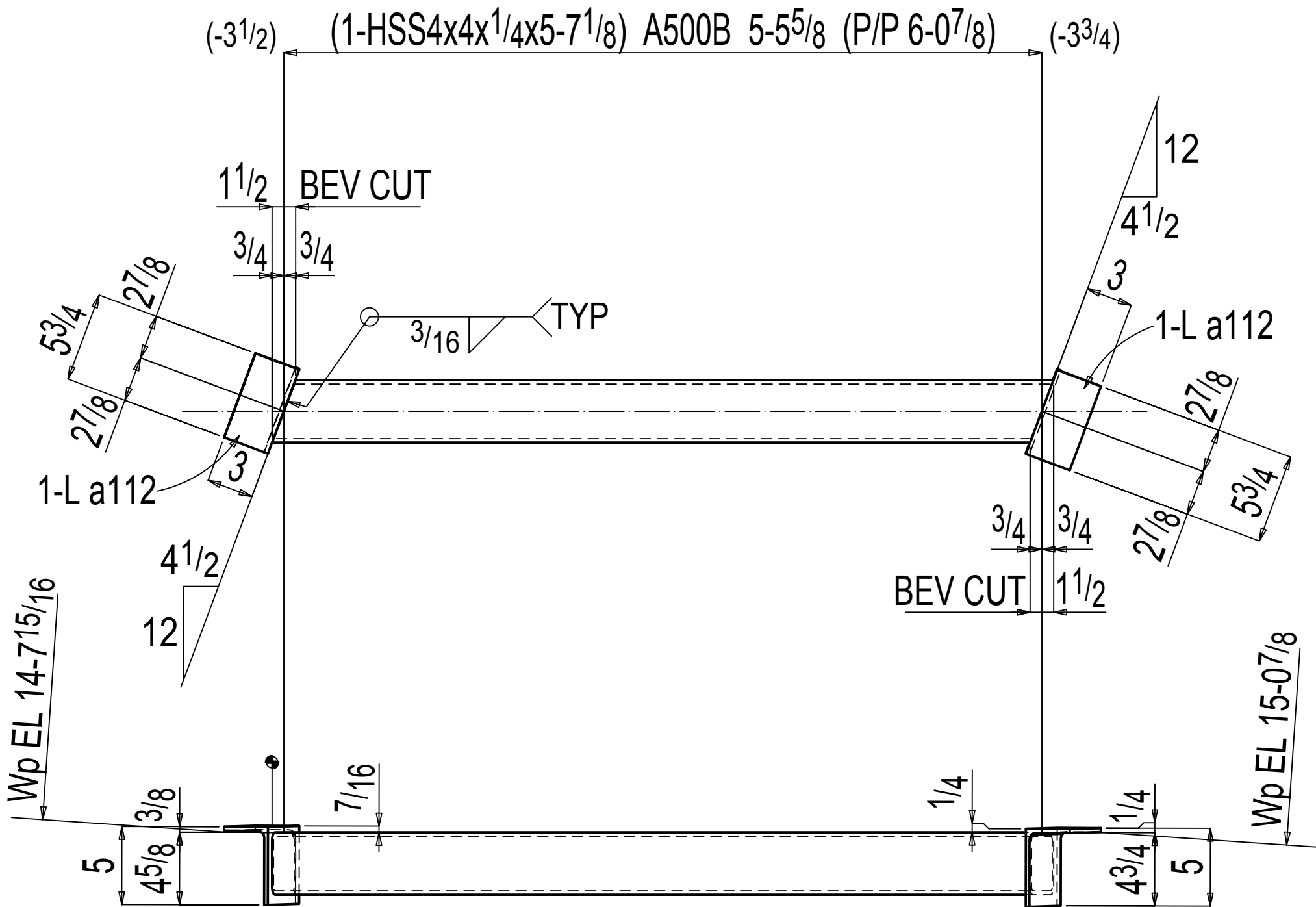
DRWN _____ DATE _____	FOR APPL. _____	ORDER NO. _____
CHKD _____ DATE _____	TO SHOP _____	REV. <u>0</u> DWG. <u>28</u>



ONE BEAM 29B1



ONE BEAM 29B2



ONE BEAM 29B3

29B4 COMBINED WITH 30B1.

BILL OF MATERIAL

NO.	SECTION	FIT.	IN.	TEMP MARK	SHIPPING MARK	WEIGHT UNIT	WEIGHT TOTAL	REMARKS
ONE	BEAM				29B1	67	67	
1	HSS4x4x1/4		5	11 1/16	29B1	63	63	A500B
2	BPL 1/4x5 9/16		0	3	bp26	1	2	BENT A36
1	BPL 1/4x5 1/2		0	3	bp28	1	1	BENT A36
1	BPL 1/4x4		0	3	bp44	1	1	BENT A36
ONE	BEAM				29B2	38	38	
1	HSS4x4x1/4		2	9 5/16	29B2	34	34	A500B
2	BPL 1/4x5 9/16		0	3	bp26	1	2	BENT A36
1	BPL 1/4x5 1/2		0	3	bp28	1	1	BENT A36
1	BPL 1/4x4		0	3	bp44	1	1	BENT A36
ONE	BEAM				29B3	75	75	
1	HSS4x4x1/4		5	7 1/8	29B3	68	68	A500B
2	L5x3x1/4		0	5 3/4	a112	3	6	A36

TOTAL WEIGHT THIS DRAWINGS:250

PART: 1-SC PRIMER
OPEN HOLES: 13/16" DIA (UNO) OPEN SLOTS: 13/16x1" DIA (UNO) BOLT: 3/4" DIA A36(SUNO) EDGE DIST: 1 1/2"(UNO)

MATERIAL	
WIDE FLANGE	A992 (UNO)
PIPE	A538 (UNO)
TUBE	A500B (UNO)
CHANNEL	A36 (UNO)
PLATE/ANGLE/BAR	A36 (UNO)

NOTICE TO CONTRACTORS AND/OR ERECTORS

MODERN MACHINE SHOP, INC. WILL NOT ACCEPT BACKCHARGES FOR CORRECTIVE WORK OR REPLACED MATERIALS UNLESS AUTHORIZED AND APPROVED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL BECOME CONTRACTORS/ERECTORS LIABILITY. ANY QUESTIONS CALL (565) 722-4656
DATE: _____ SIGNATURE: _____

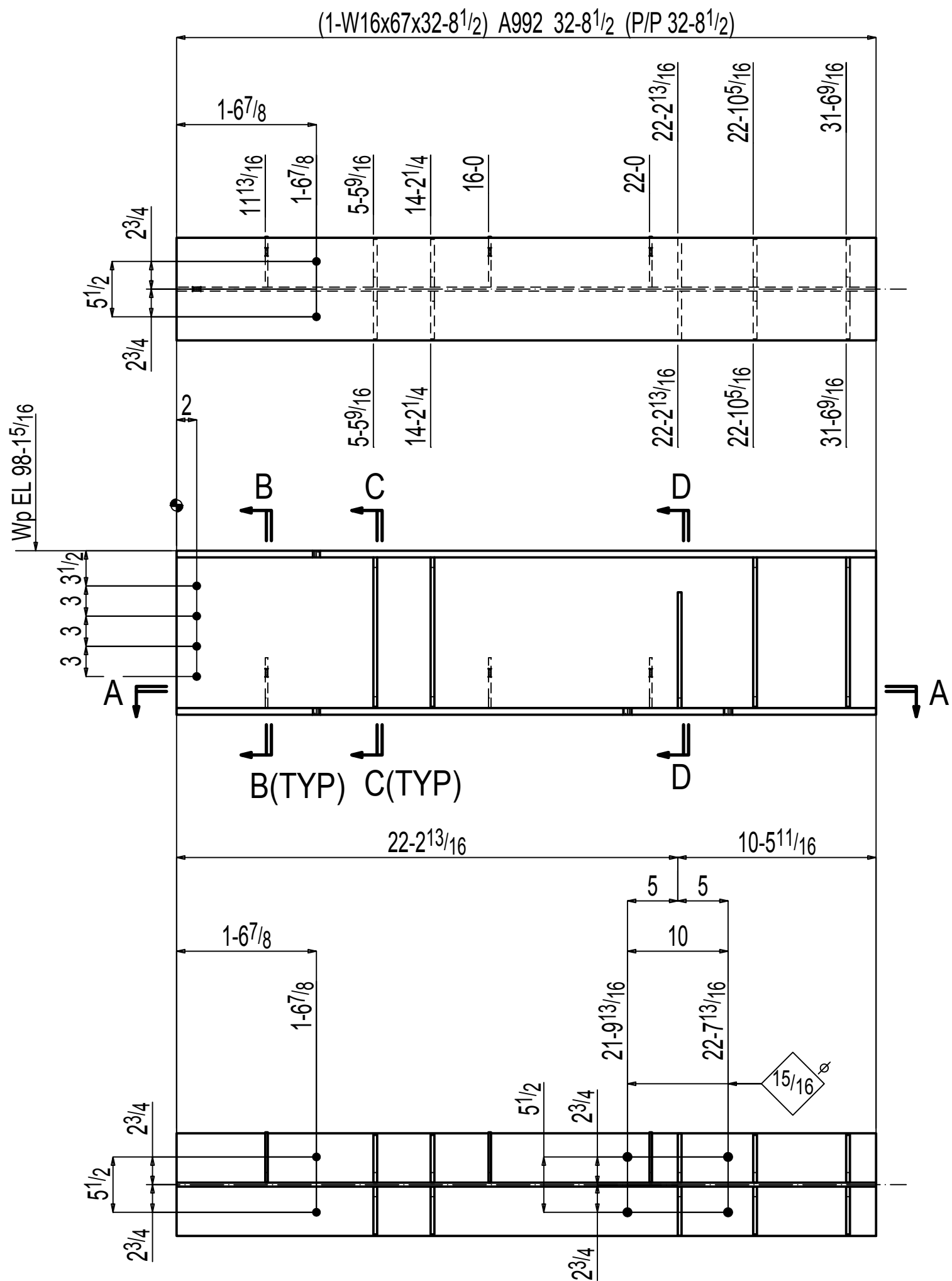
REF:E8 THRU E20

ALL RUNNING DIMENSIONS FROM END OF MAIN MATERIAL.
ALL VERTICAL SPACING OF HOLES TO BE 3" UNLESS NOTED.
ALL SNIPS TO BE 1/4" X 1/4" UNLESS NOTED.
ALL COPIES TO BE RADIOUS.
X DENOTES "CONTACT SURFACE" THIS SIDE OF PLATE.
HOLES IN END PLATES AND OUTSTANDING LEGS OF END CLIPS
X INDICATES LAYOUT MARK FOR FABRICATION
LD=L(WIDTH)HD=PLT WASHER FL=FORWROUGHT WASHER
MEMBERS ARE TO BE ERECTED SO THAT MARKED END IS IN SAME LOCATION AS ON ERECTION DRAWING NO.

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CUSTOMER: _____
ARCHITECT: _____
PROJECT: _____
LOCATION: _____

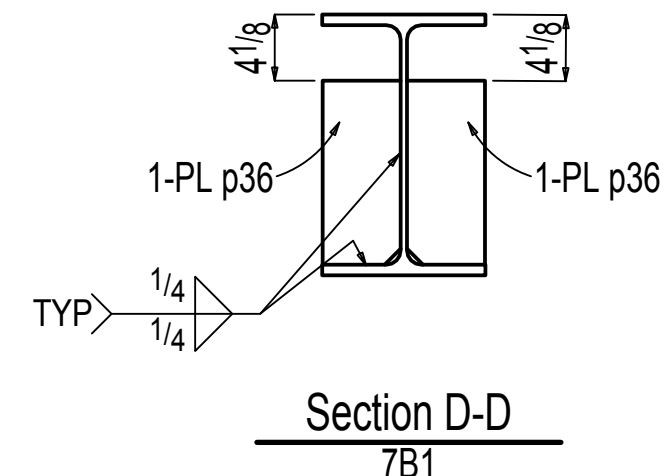
DRWN: _____ DATE: _____ FOR APPL: _____ ORDER NO.: _____
CHKD: _____ DATE: _____ TO SHOP: _____ REV. 1 DWG. 29



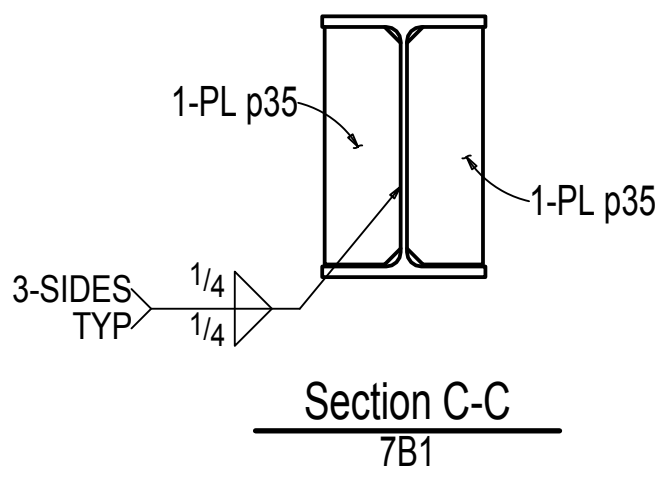
Section A-A
7B1

ONE BEAM 7B1

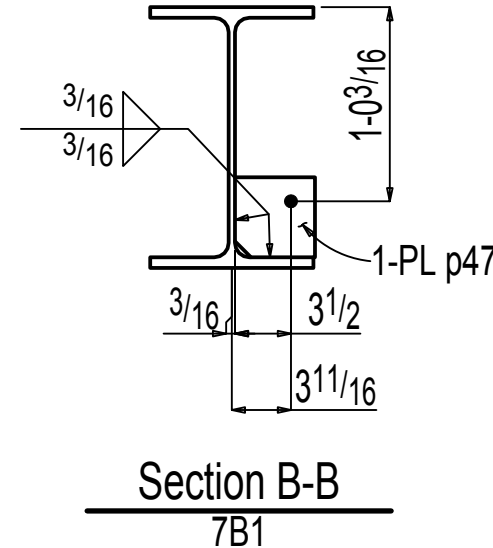
W 16⁵/₁₆x3³/₈
F 10³/₁₆x1¹/₁₆
K 1⁹/₁₆x1¹/₈



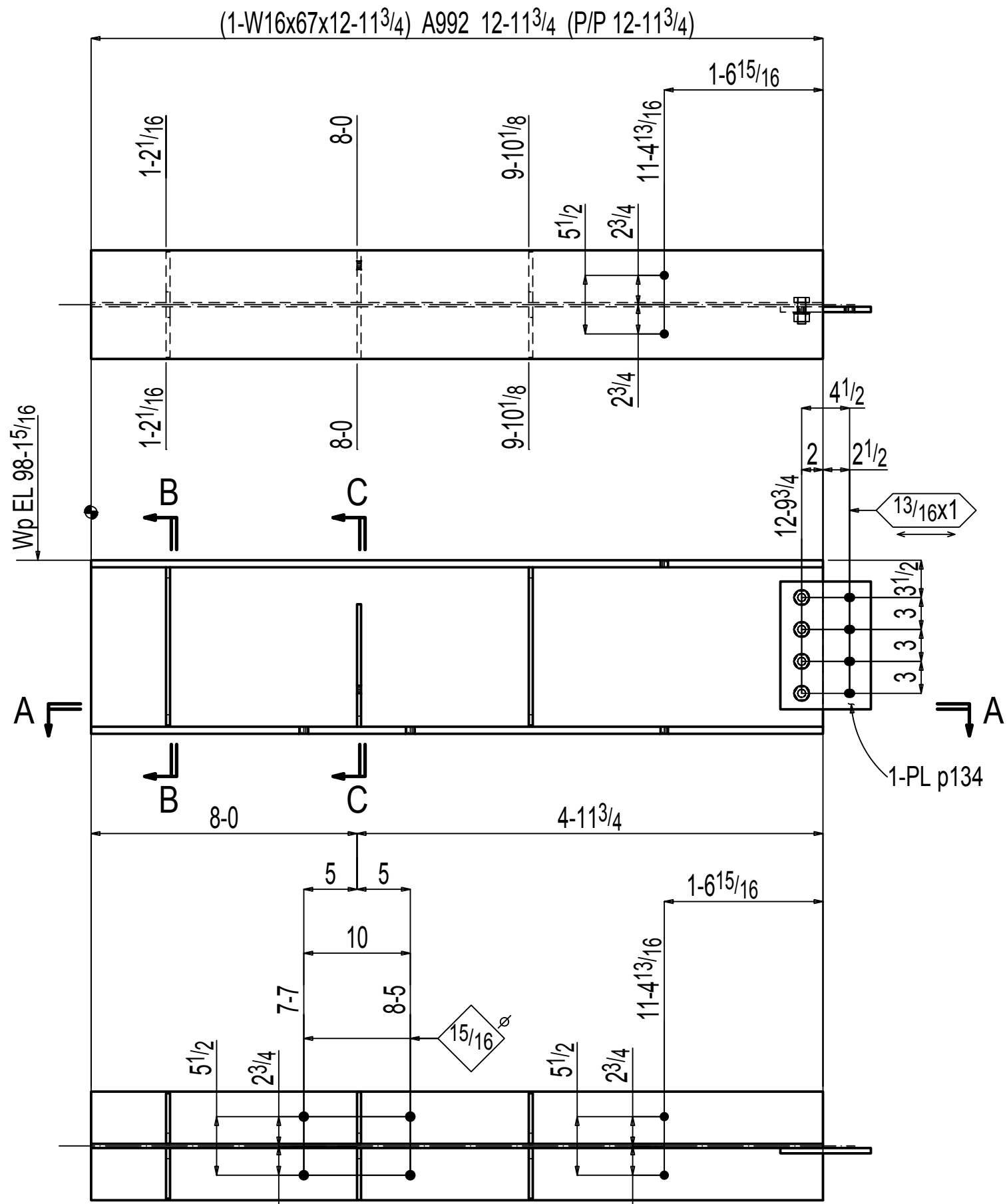
Section D-D
7B1



Section C-C
7B1



Section B-B
7B1

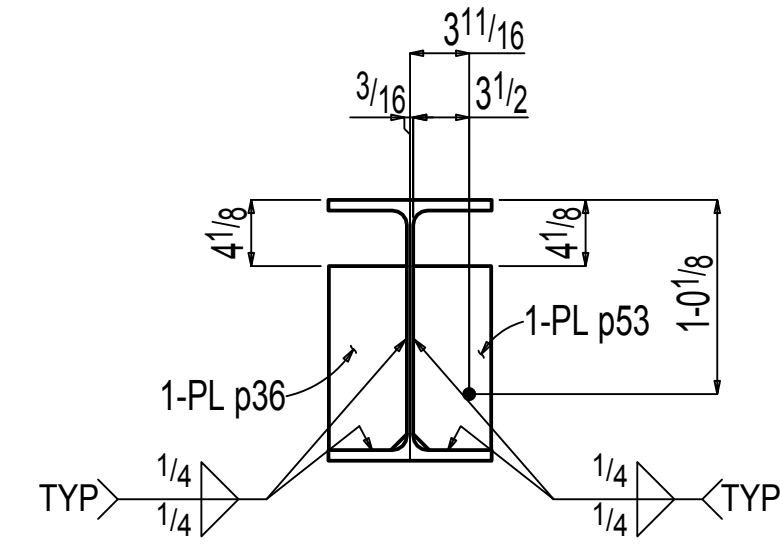


Section A-A
7B2

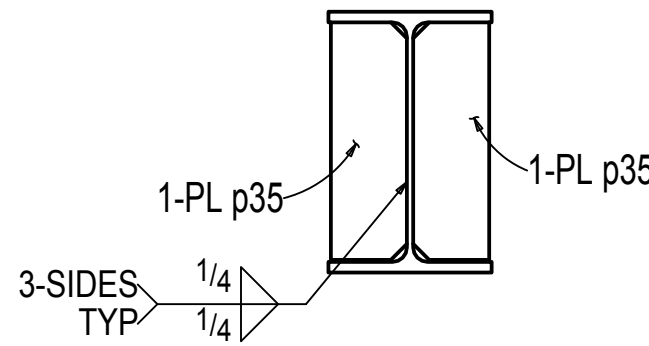
ONE BEAM 7B2

W 16⁵/₁₆x3³/₈
F 10³/₁₆x1¹/₁₆
K 1⁹/₁₆x1¹/₈

SHOP BOLTS:
4-3/4 Diax2 A325N



Section C-C
7B2



Section B-B
7B2

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	FT	IN	REMARKS
7B1	ONE	BEAM			
7B1	1	W16x67	32	8 1/2	A992
p36	2	PL3/8x4 7/8	0	11 1/2	A36
p35	8	PL3/8x4 3/4	1	2 7/8	A36
p47	3	PL1/4x5	0	5	A36
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2 3/4	+1HD WASH
	4	3/4 Dia A325N	0	2	+1HD WASH
	1	3/4 Dia A325N	0	1 1/2	+1HD WASH
7B2	ONE	BEAM			
7B2	1	W16x67	12	11 3/4	A992
p134	1	PL1/2x8 1/2	1	0	A572-50
p36	1	PL3/8x4 7/8	0	11 1/2	A36
p53	1	PL3/8x4 7/8	0	11 1/2	A36
p35	4	PL3/8x4 3/4	1	2 7/8	A36
	4	3/4 Dia A325N	0	2	+1HD WASH
		FIELD BOLTS			
	4	7/8 Dia A325N	0	2 3/4	+1HD WASH

SHOP NOTE: SURFACE PREP:SSPC-SP2

HOLES: 13/16 DIA U.N.O.		FINISH: STD SHOP PRIMER	
REV	DATE	DESCRIPTION	BY
△			
△			
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△			RJL
△			RJL

CLIENT:

ARCH & ENGR:

JOB NAME:

LOCATION:

DETAIL OF:

DATE:

DRAWN BY:

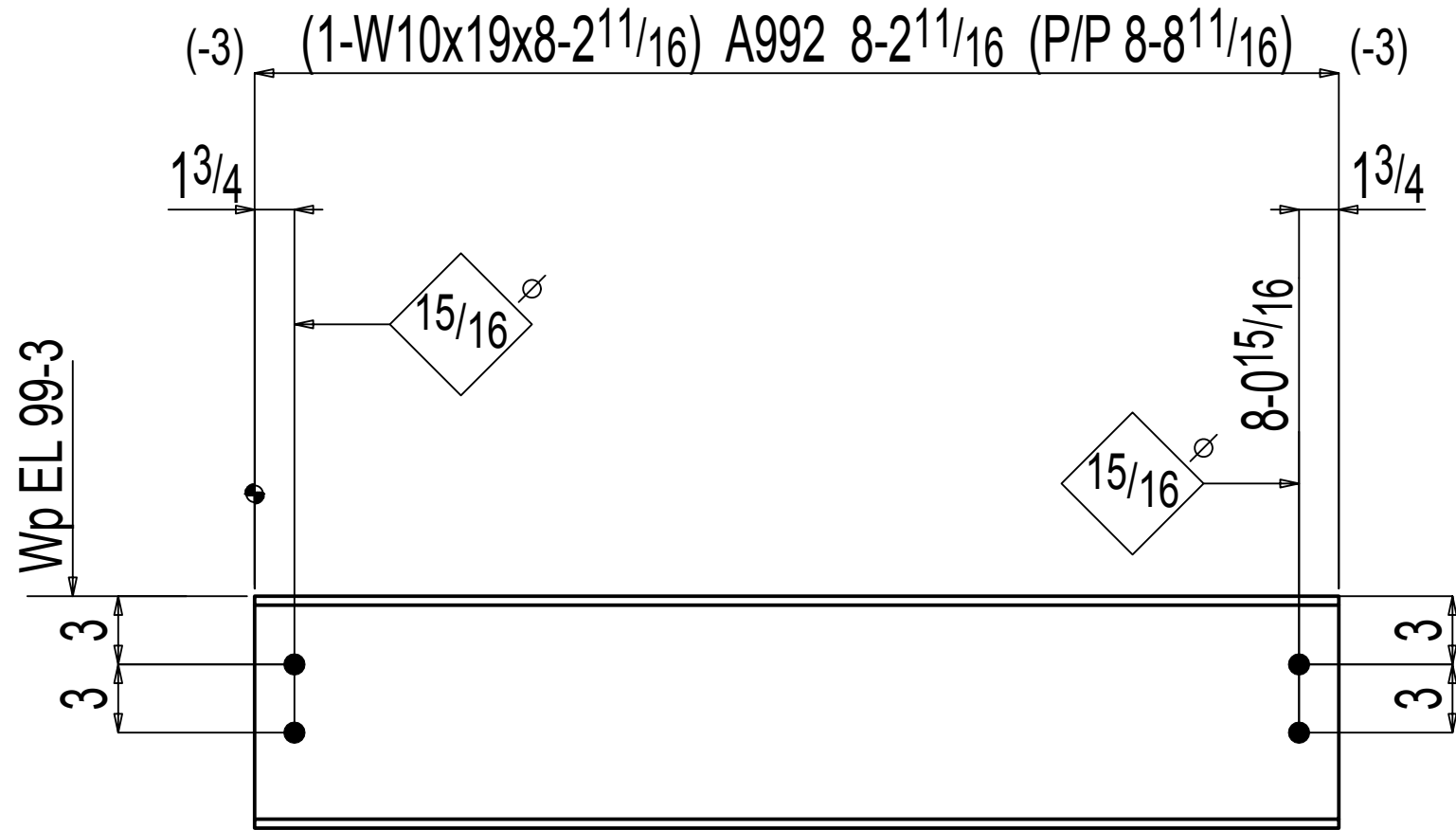
CHECKED BY:

JOB #

DWG. #

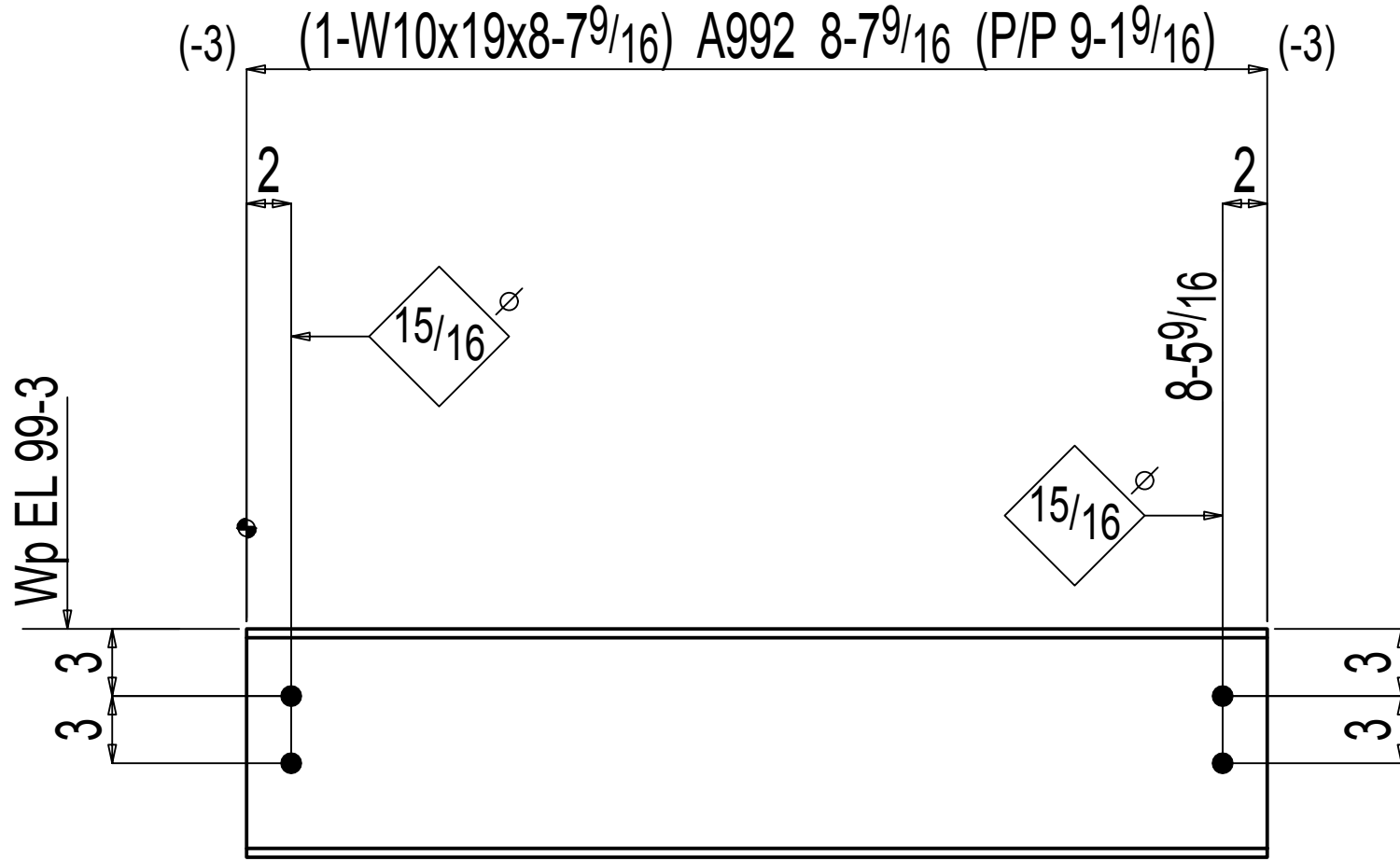
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ONE BEAM 8B1

W	10 ³ / ₁₆ x1 ¹ / ₄
F	4x ³ / ₈
K	15 ¹ / ₁₆ x1 ¹ / ₁₆



2 BEAMS 8B2

W	10 ³ / ₁₆ x1 ¹ / ₄
F	4x ³ / ₈
K	15 ¹ / ₁₆ x1 ¹ / ₁₆

BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	FT	IN	REMARKS
8B1	ONE	BEAM			
8B1	1	W10x19	8	2 ¹ / ₁₆	A992
		FIELD BOLTS			
	4	⁷ / ₈ Dia A323N	0	2	+1HD WASH
8B2	2	BEAM			
8B2	2	W10x19	8	7 ⁹ / ₁₆	A992
		FIELD BOLTS			
	8	⁷ / ₈ Dia A323N	0	2	+1HD WASH

SHOP NOTE:
SURFACE PREP:SSPC-SP2

HOLES: ¹ / ₃₂ DIA U.N.O.		FINISH: STD SHOP PRIMER	
REV	DATE	DESCRIPTION	BY
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△			
△			
△			
△			

CLIENT:

ARCH & ENGR:

JOB NAME:

LOCATION:

DETAIL OF:

DATE:

DRAWN BY:

CHECKED BY:

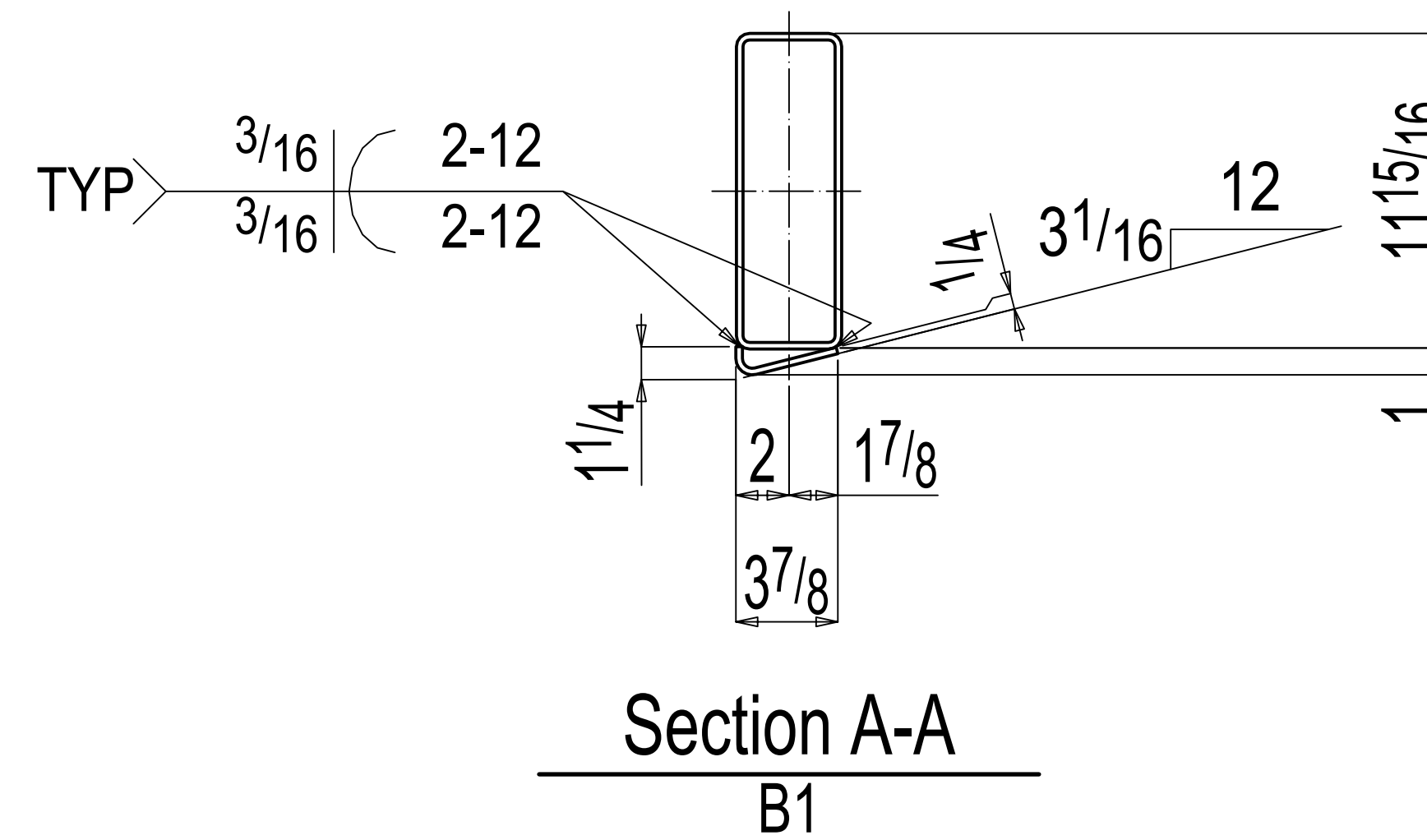
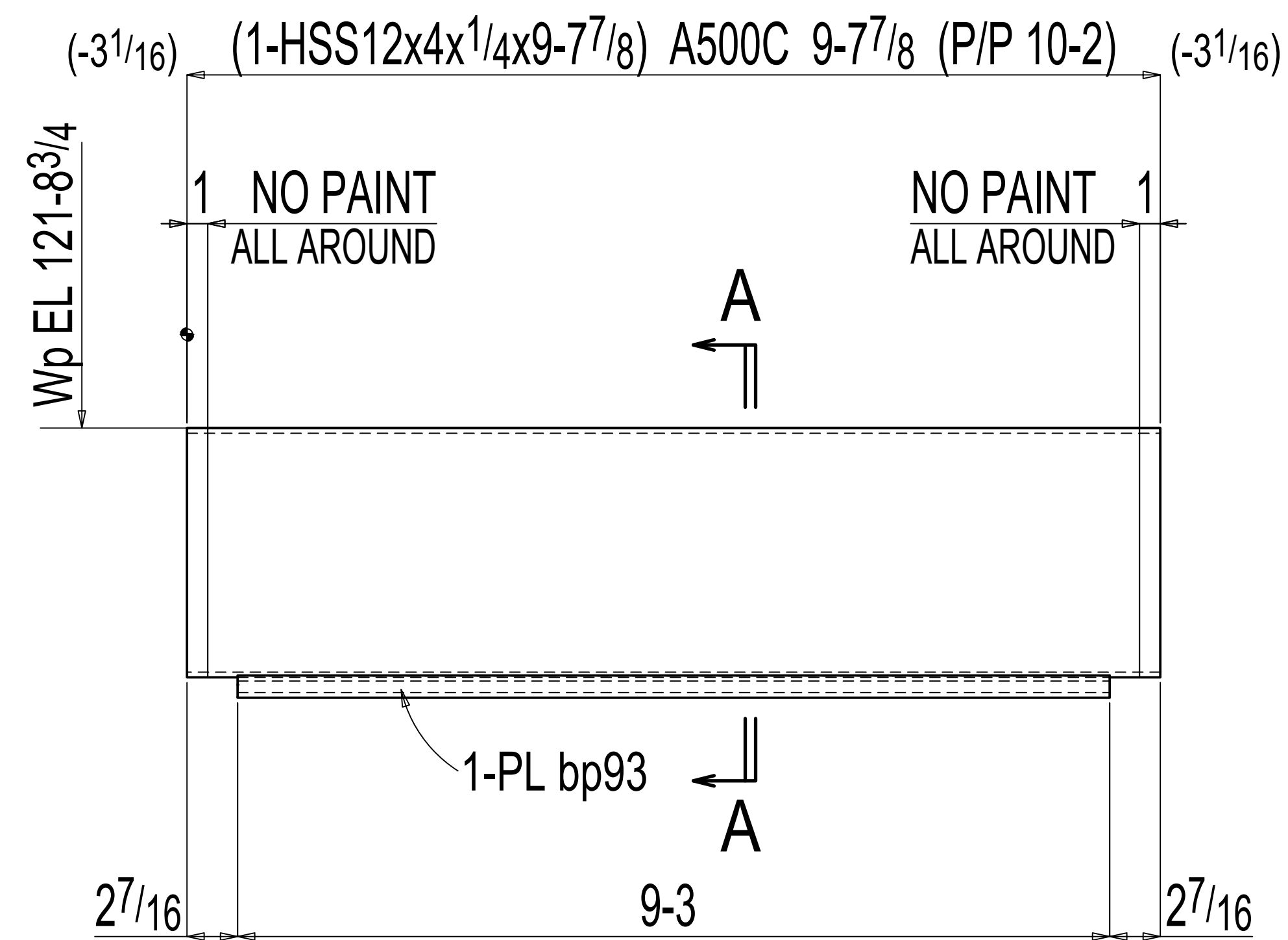
JOB #

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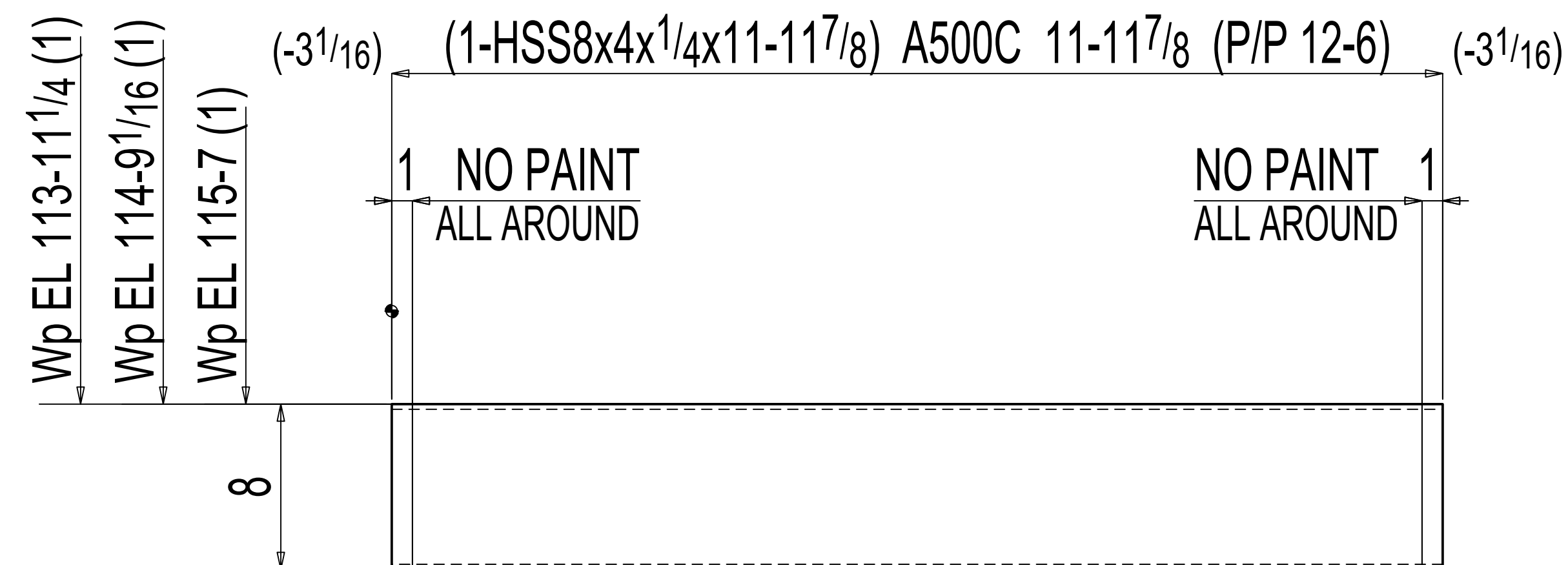
BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B1	HSS12x4 $\frac{1}{4}$	9'7 $\frac{8}{16}$	36	A500C
1	bqg3	BPL1qx4 $\frac{9}{16}$	9'3"	36	BENT A36
		TOTAL WEIGHT THIS DRAWING :		72	



ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:				DRILLED:				FITTING GA:				WELD GA:				CHECKED BY:																							
GENERAL NOTES: ALL HOLES ARE 1 1/8" Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH																REMARKS:				CLIENT: PROJECT:				TITLE: BEAM				DRAWN:				JOB No:		DIV:													
																												MARK ID:				PO:				CATEGORY UNO:				CHECKED:				DWG No:		REV:	
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CUSTOMER REF:				REV				DETAILS				BY				DC				DATE																											

BILL OF MATERIAL 3 QTY'S						
QTY	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS
3	B10	HSS8x4x1/4	11'	11'8"	684	A500C
		TOTAL WEIGHT THIS DRAWING :			684	

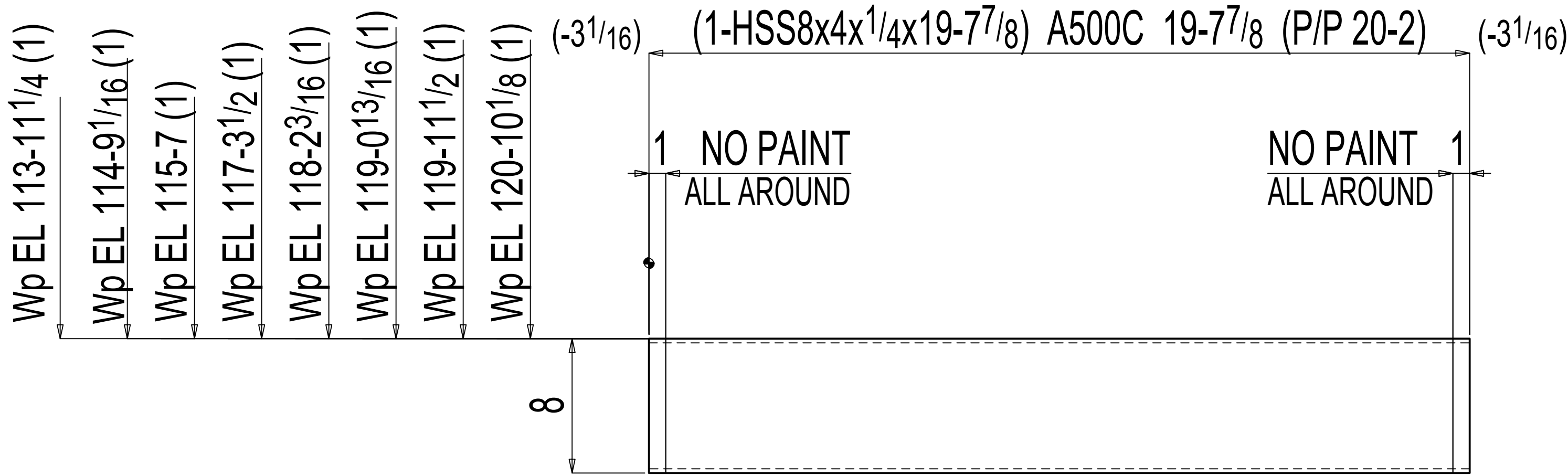


3 BEAM B10

ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:																	
GENERAL NOTES: ALL HOLES ARE 13"ip Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH																		REMARKS:				CLIENT:				PROJECT:							
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																		0													DWG No:		REV:
A													R10																				
CUSTOMER REF:		REV		DETAILS		BY		DC		DATE		PO:		CATEGORY UNO:		CHECKED:																	

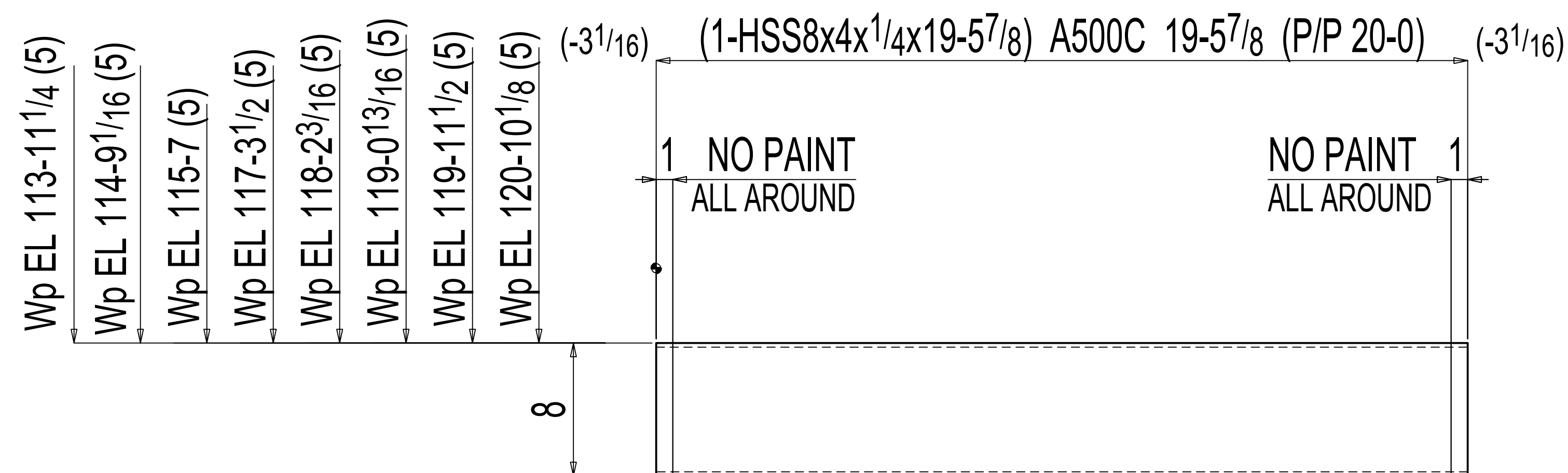
BILL OF MATERIAL 8 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
8	B11	HSS8x4x1/4	19' 7 7/8	2991	A500C
		TOTAL WEIGHT THIS DRAWING :		2991	



8 BEAM B11

ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:			
GENERAL NOTES: ALL HOLES ARE 1 3/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH								REMARKS:		CLIENT: PROJECT:									
								MARK ID:		TITLE: BEAM									
				0															
A																			
CUSTOMER REF:	REV	DETAILS	BY	DC	DATE	PO:		CATEGORY UNO:		DRAWN:			JOB No:		DIV:				
										CHECKED:			DWG No: B11		REV: 				

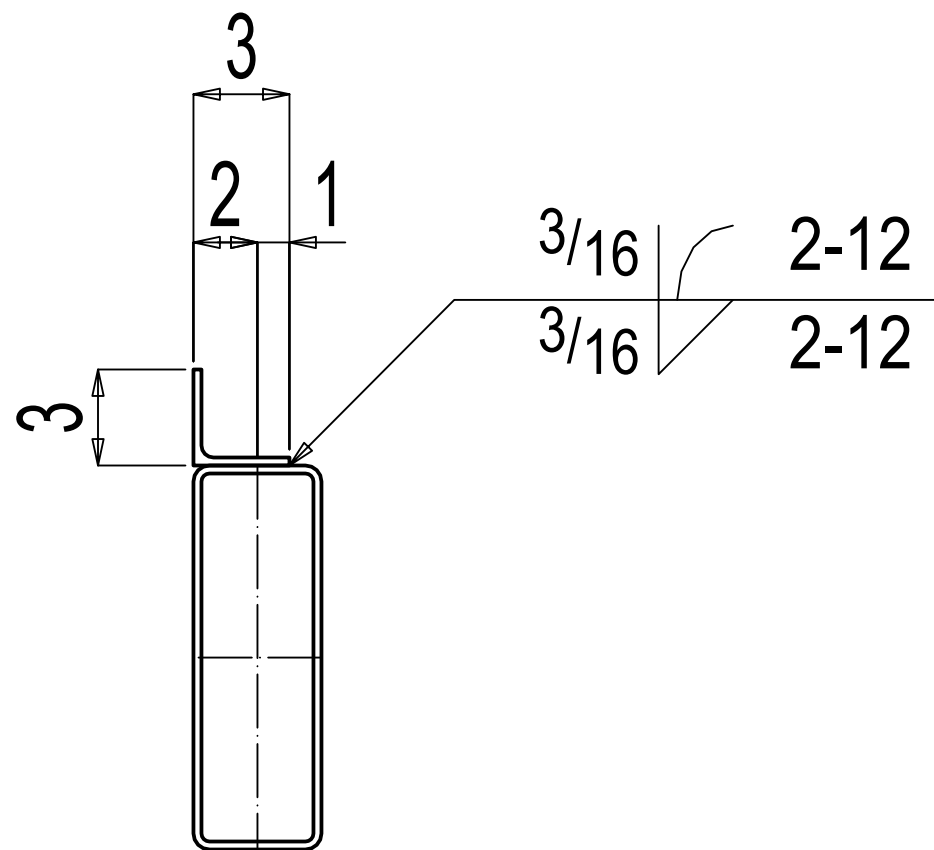
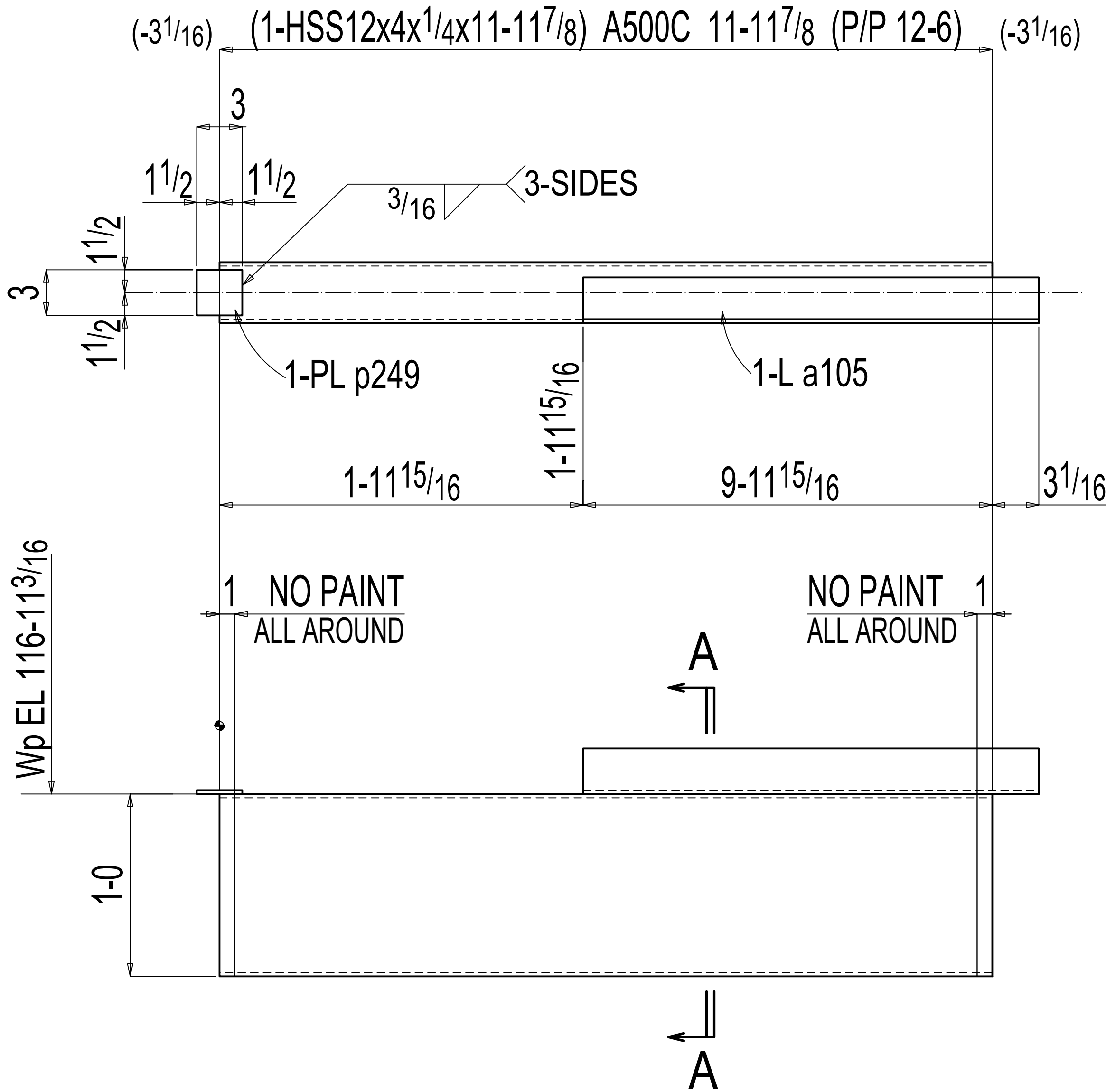
[illegible]

40 BEAM B12

ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:																					
GENERAL NOTES: ALL HOLES ARE 1 3/8" Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH																		REMARKS:				CLIENT:				PROJECT:											
																		MARK ID:				TITLE:				DRAWN:				JOB No:				DIV:			
																		0				CATEGORY UNO:				CHECKED:				DWG No:				REV:			
A				DETAILS				BY				DC				DATE				PO:																	

BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B15	HSS12x4x1/4	11 117/8	309	A500C
1	a105	L3x3x1/4	10 3	50	A36
1	p249	PL 1/4x3	0 3	1	A36
TOTAL WEIGHT THIS DRAWING :				360	



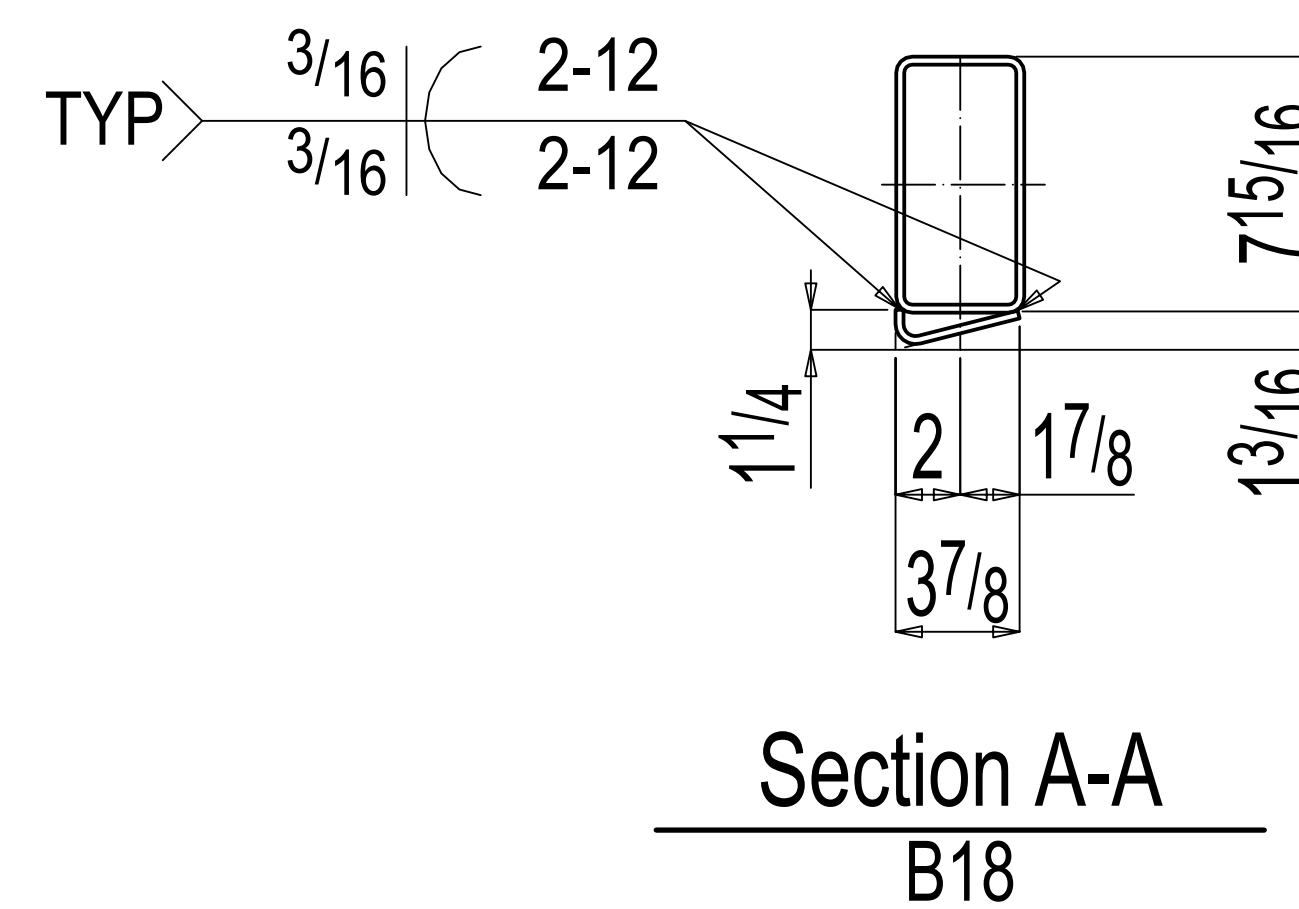
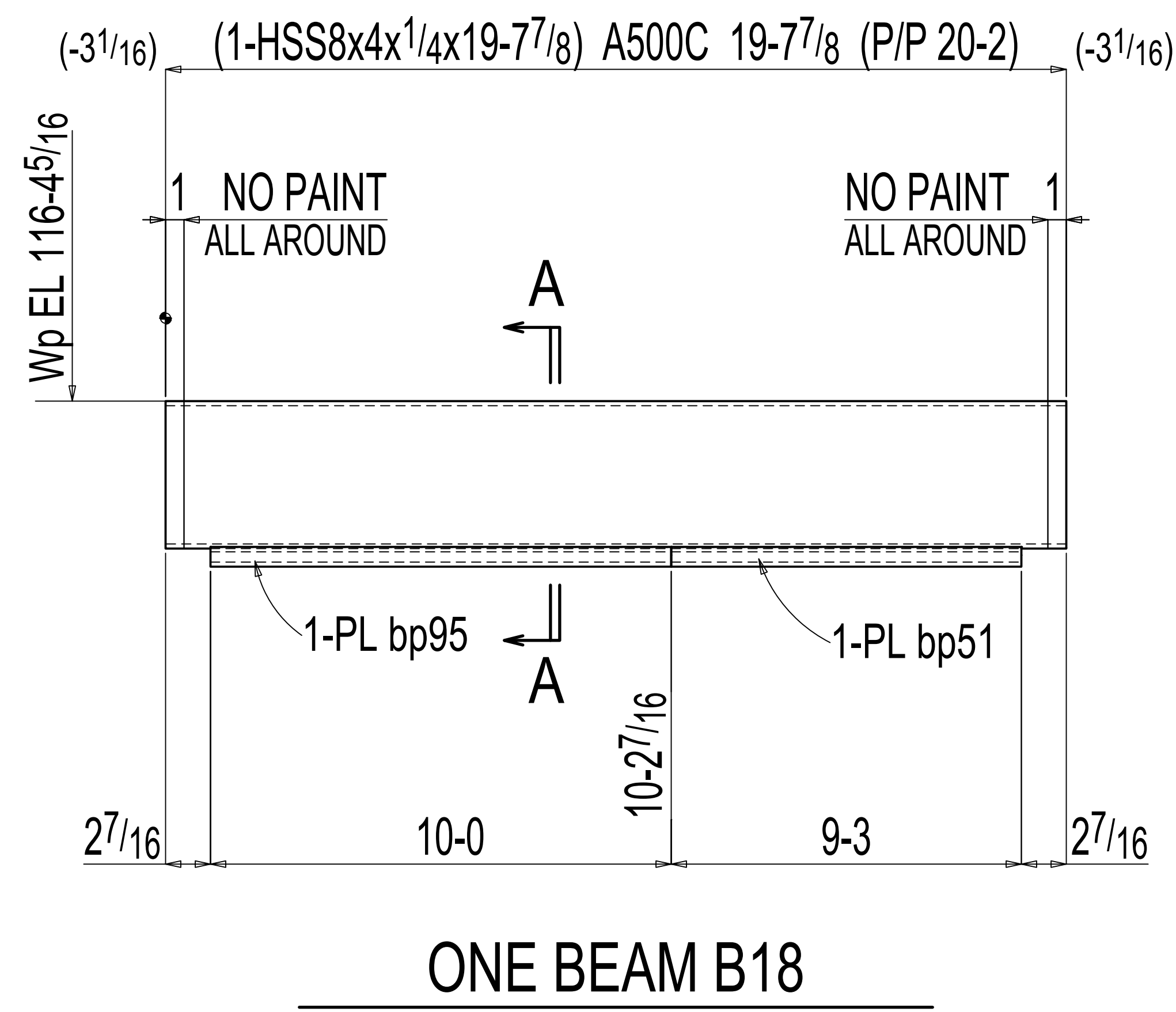
Section A-A
B15

ONE BEAM B15

ALL CLOUED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:		ISSUED FOR FAB:		CUTTING:	DRILLED:	FITTING GA:	WELD GA:	CHECKED BY:
GENERAL NOTES:				REMARKS:		CLIENT:		
ALL HOLES ARE 13/16 Ø U.N.O.						PROJECT:		
COPE RADIUS = 1/2" UNO								
SLOT LENGTHS ARE SHOWN OVERALL								
FINISH STD SHOP PRIMER								
470.43 lbs EACH								
CUSTOMER REF:		REV	DETAILS	BY	DC	DATE	PO:	CATEGORY UNO:
								CHECKED:
								DRAWN:
								JOB No:
								DWG No: B15
								REV: 0

BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B18	HSS8x4x1/4	19 77/8	374	A500C
1	bp95	BPL 1/4x49 1/16	10 0	39	BENT A36
1	bp51	BPL 1/4x49 1/16	9 3	36	BENT A36
		TOTAL WEIGHT THIS DRAWING :		449	

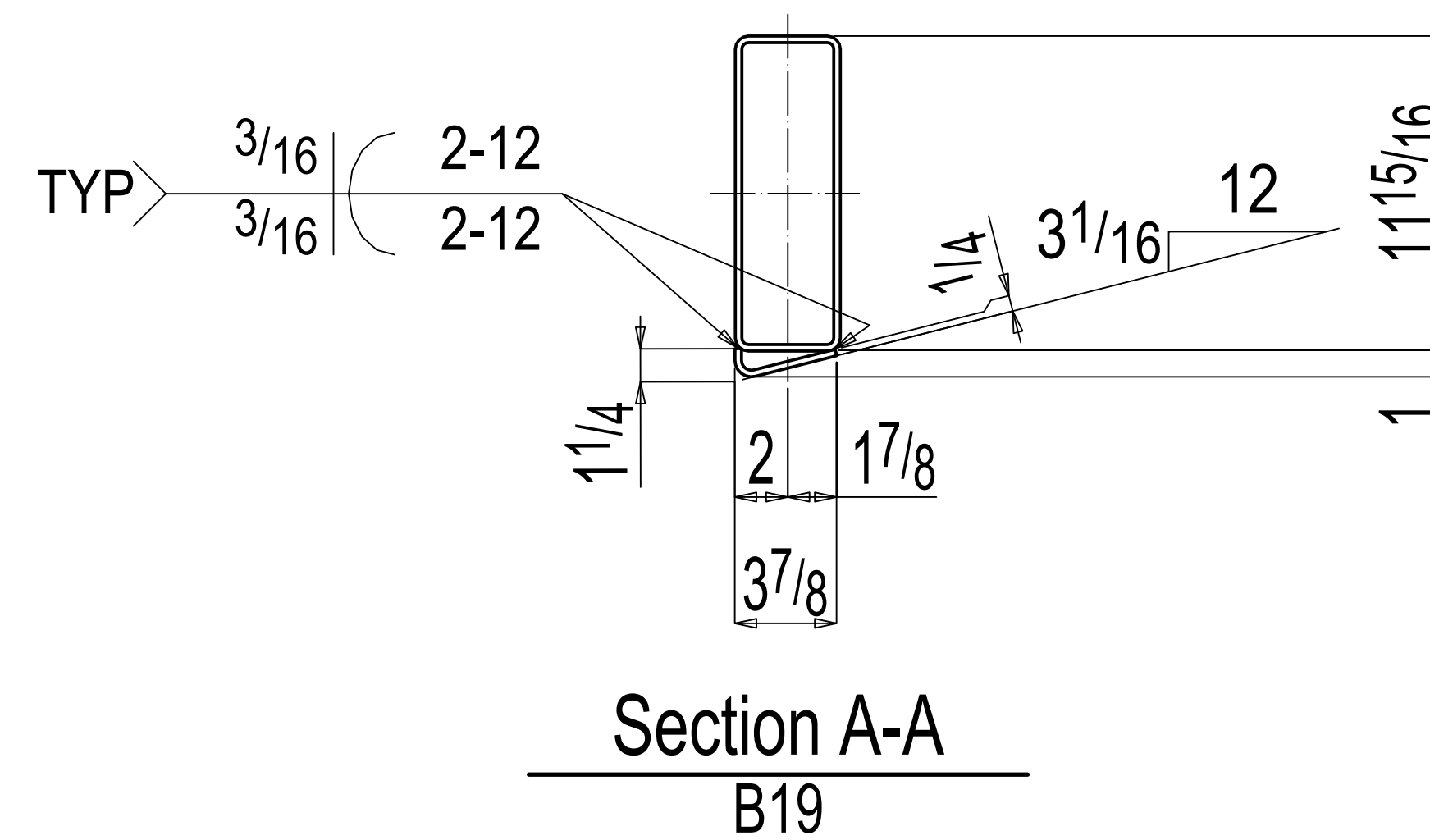
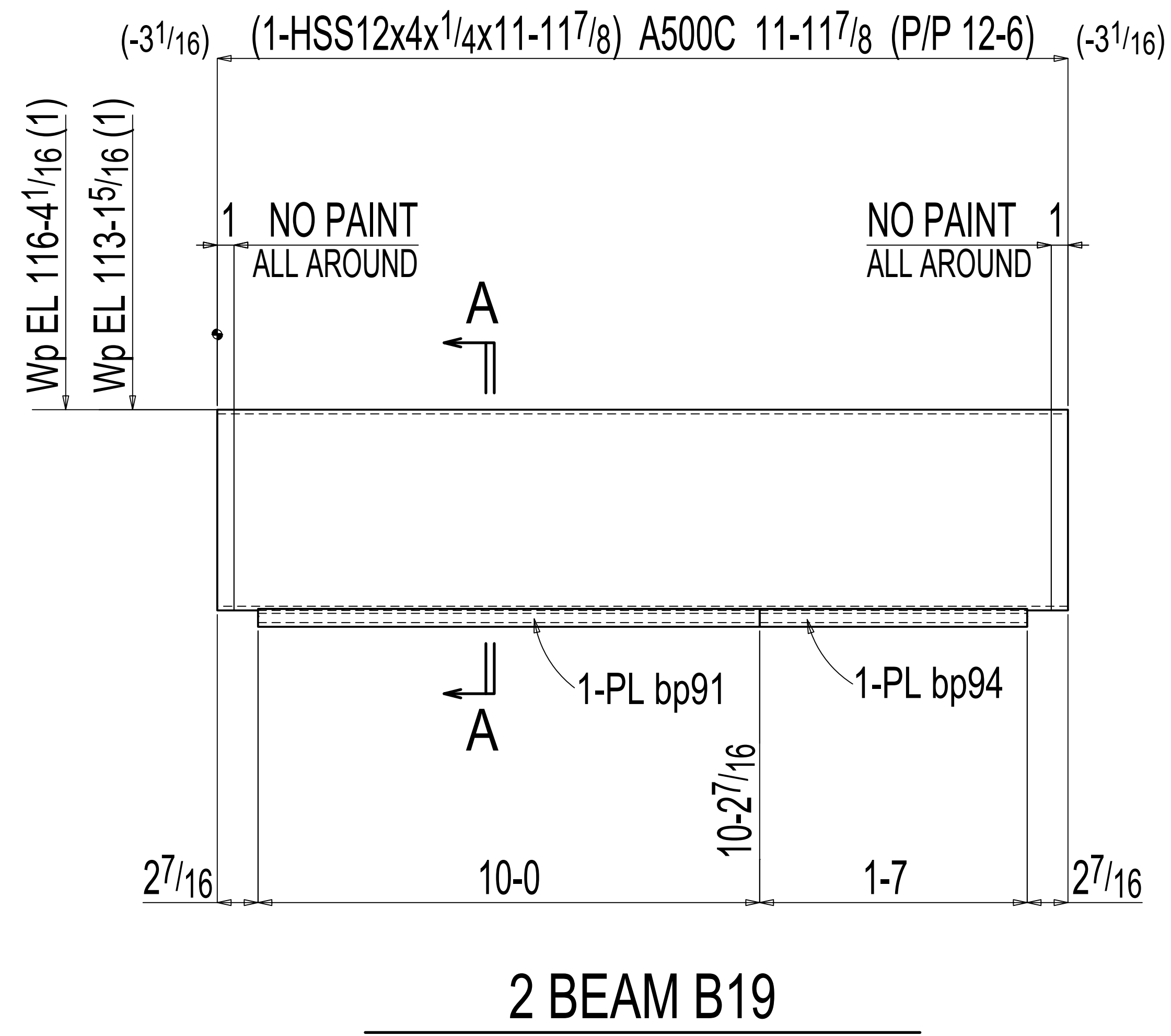


ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:																	
GENERAL NOTES: ALL HOLES ARE 13/16" Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH																		REMARKS:				CLIENT:				PROJECT:							
																		MARK ID:				TITLE:				DRAWN:				JOB No:		DIV:	
																		0													DWG No:		REV:
A									BEAM								R18																
CUSTOMER REF:		REV	DETAILS		BY	DC	DATE	PO:	CATEGORY UNO:				CHECKED:																				

Page 19 of 20

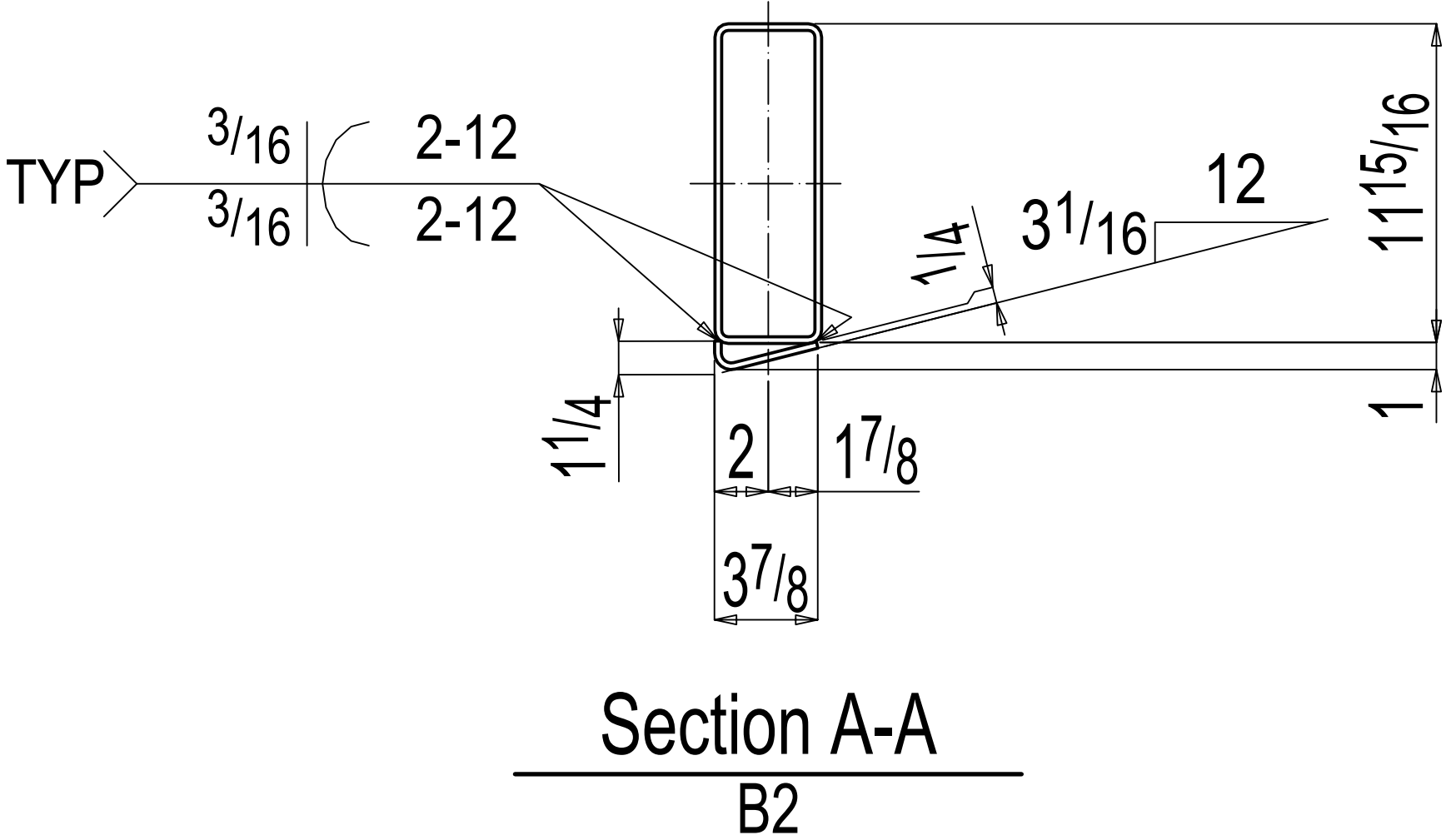
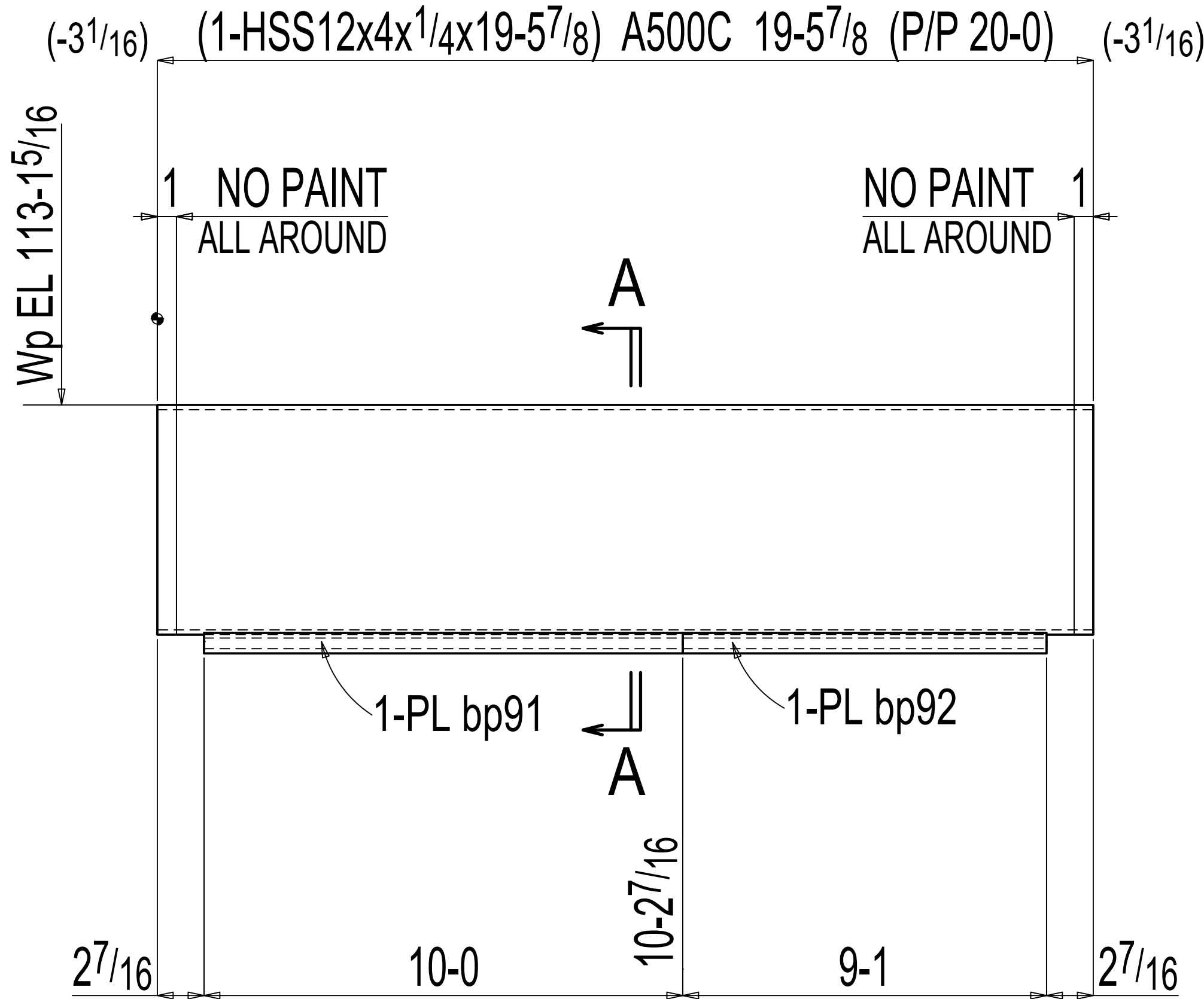
BILL OF MATERIAL 2 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
2	B19	HSS12x4x1/4	11 117/8	619	A500C
2	bp91	BPL1/4x49 1/8	10 0	78	BENT A36
2	bp94	BPL1/4x49 1/8	1 7	12	BENT A36
		TOTAL WEIGHT THIS DRAWING :		709	



ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

(USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:				DRILLED:				FITTING GA:				WELD GA:				CHECKED BY:																											
GENERAL NOTES: ALL HOLES ARE 1³/₈" Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH																				REMARKS:				CLIENT:				PROJECT:																							
				MARK ID:								TITLE:				BEAM																																			
CUSTOMER REF:				REV				DETAILS				BY				DC				DATE				PO:				CATEGORY UNO:				DRAWN:								JOB No:				DIV:							
																																				DWG No:				R19				REV:							

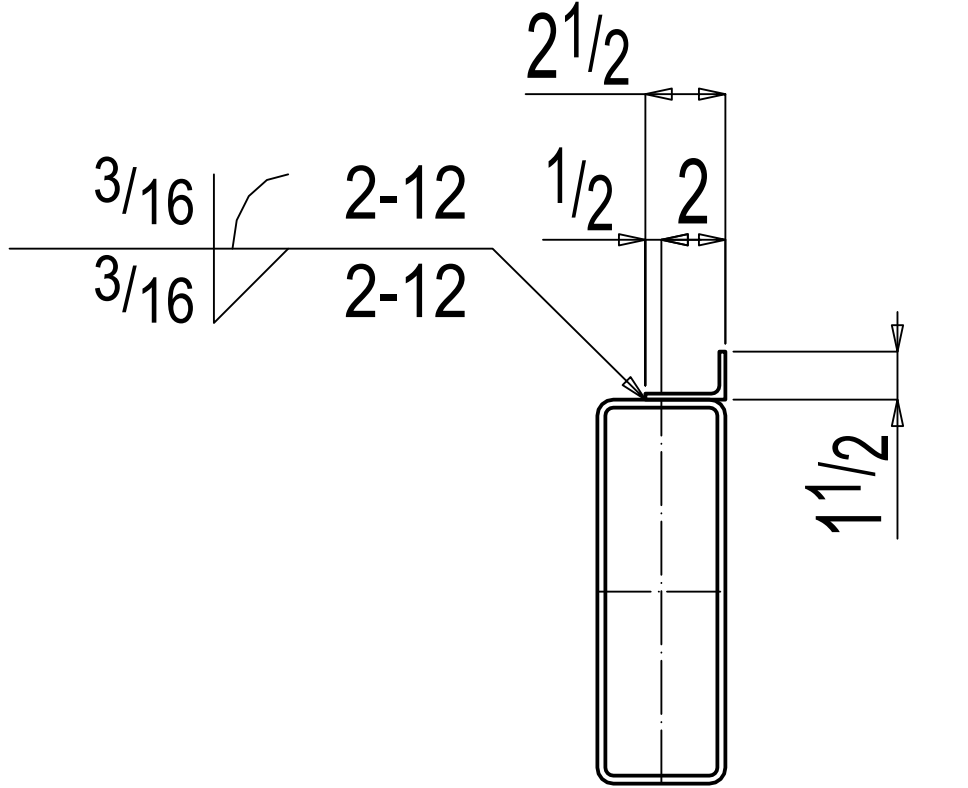
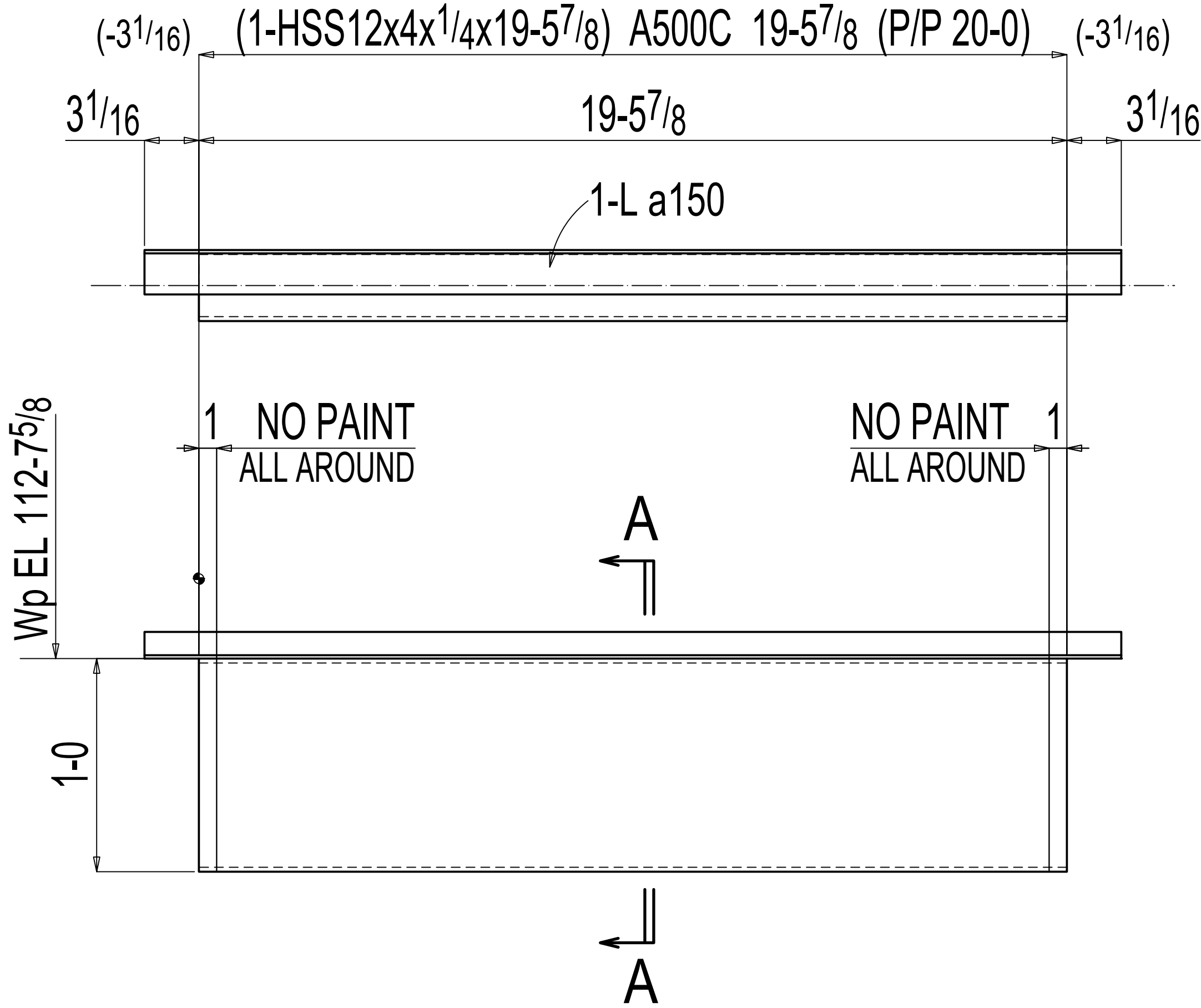
BILL OF MATERIAL 4 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
4	B2	HSS12x4x1/4	19' 57/8	2013	A500C
4	bp91	BPL 1/4x4@1/8	10' 0	155	BENT A36
4	bp92	BPL 1/4x4@1/8	9' 1	141	BENT A36
TOTAL WEIGHT THIS DRAWING :				799	



ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:		ISSUED FOR FAB:				CUTTING:	DRILLED:	FITTING GA:	WELD GA:	CHECKED BY:				
GENERAL NOTES:						REMARKS:		CLIENT:						
ALL HOLES ARE 13/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER								PROJECT:						
470.43 lbs EACH						MARK ID:		TITLE:			DRAWN:		JOB No:	DIV:
CUSTOMER REF:	REV	DETAILS	BY	DC	DATE	PO:	CATEGORY UNO:	CHECKED:					DWG No:	REV:

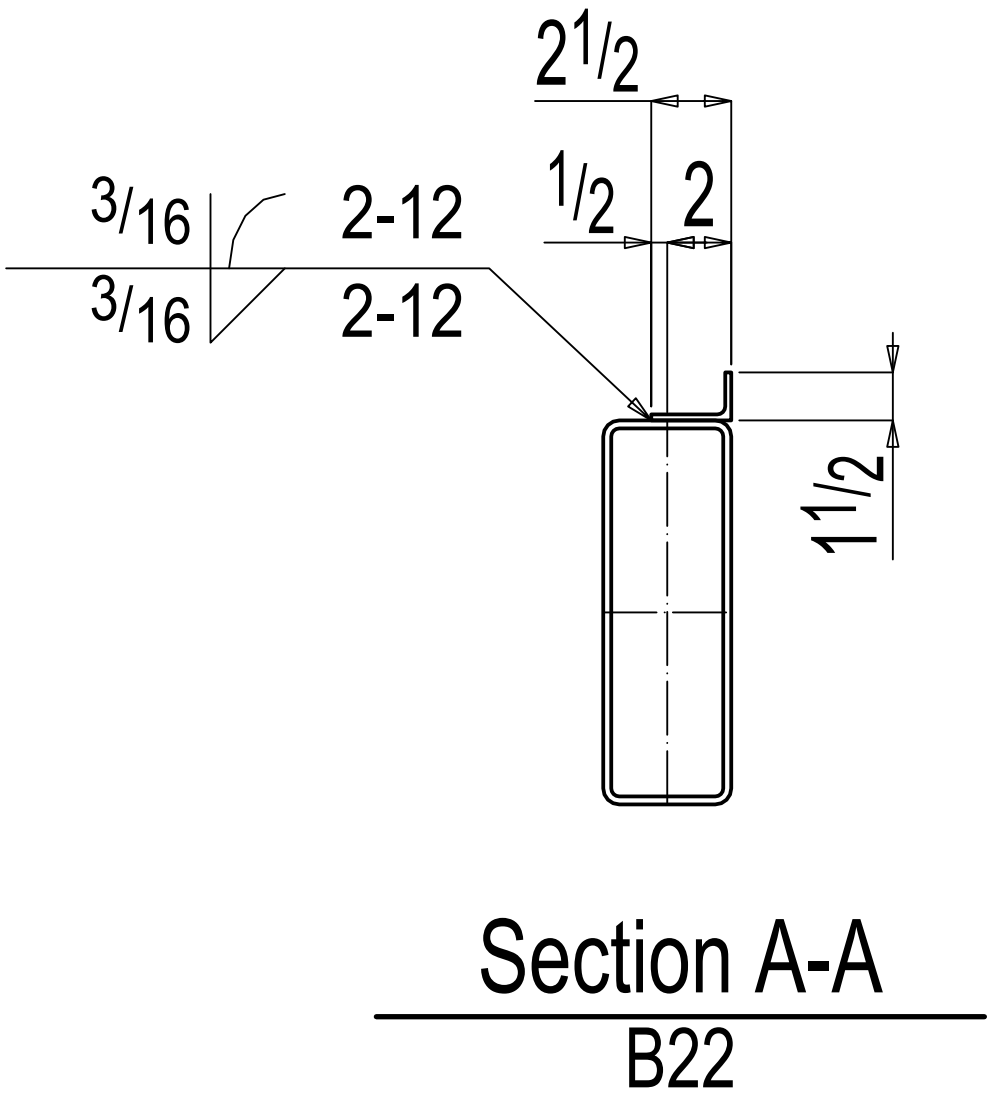
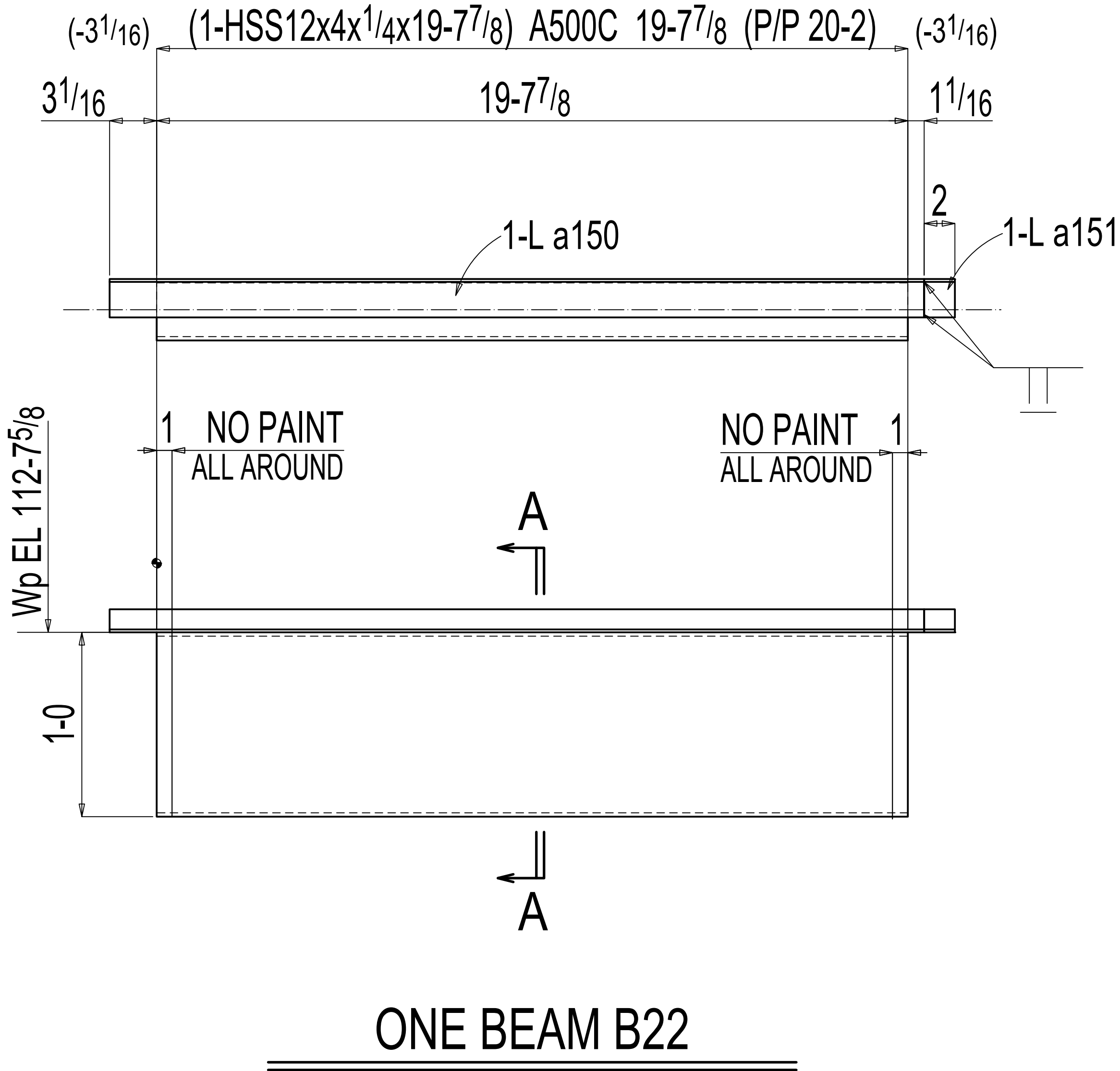
BILL OF MATERIAL 5 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
5	B21	HSS12x4x1/4	19' 5 7/8	2516	A500C
5	a150	L2 1/2x1 1/2x3/16	20' 0	244	A36
		TOTAL WEIGHT THIS DRAWING :		2759	



ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:															
GENERAL NOTES: ALL HOLES ARE 1 3/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH								REMARKS:								CLIENT: PROJECT: TITLE: BEAM								DRAWN:				JOB No:		DIV:	
																								CHECKED:				DWG No:		REV:	
																												B21		0	
CUSTOMER REF:				REV		DETAILS		BY		DC		DATE		PO:		CATEGORY UNO:								DWG No:		REV:					
																								B21		0					

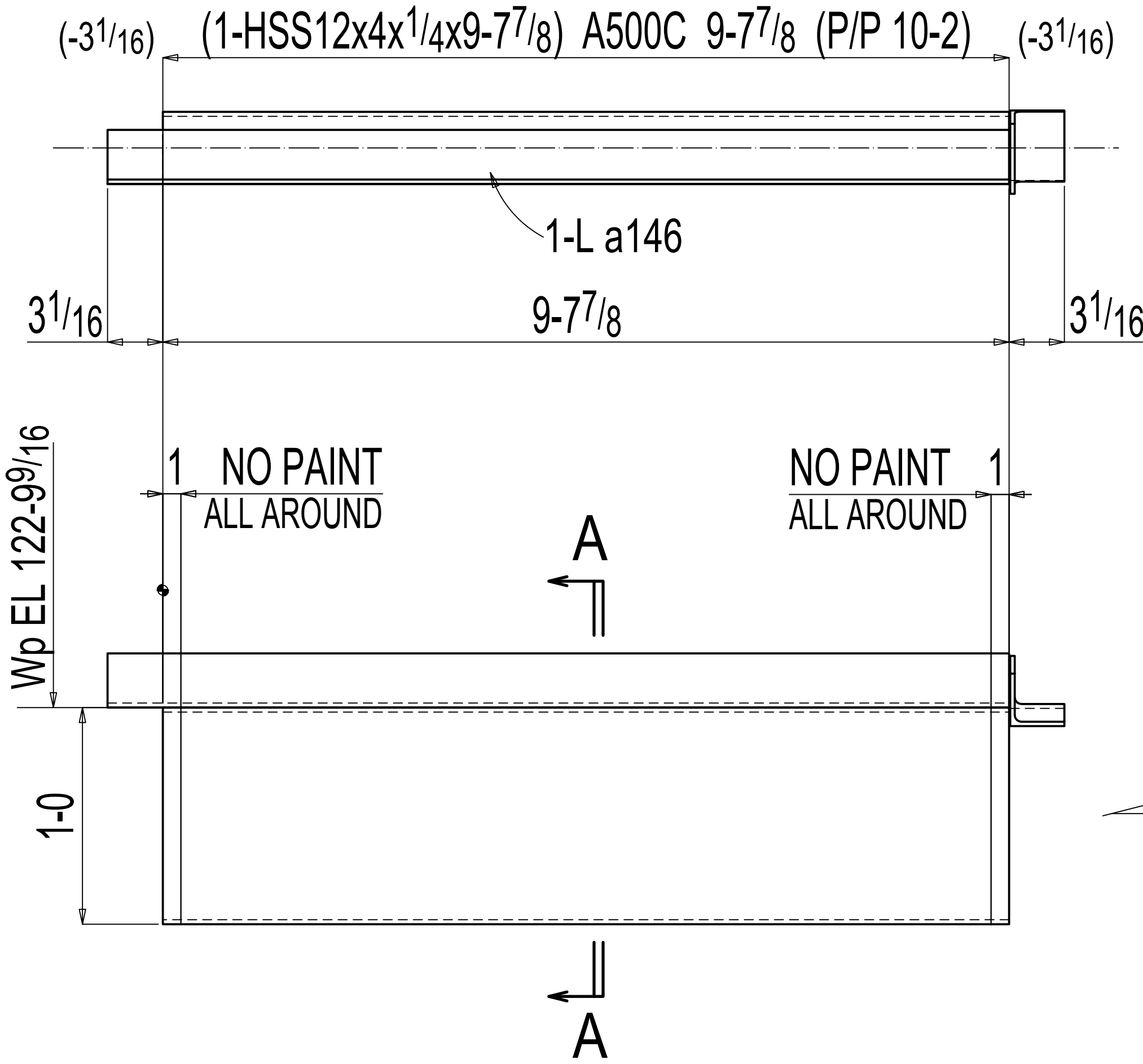
BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B22	HSS12x4x1/4	19' 7 7/8	49	A500C
1	a150	L2 1/2x1 1/2x3/16	20' 0	49	A36
1	a151	L2 1/2x1 1/2x3/16	0' 2	0	A36
TOTAL WEIGHT THIS DRAWING :				558	



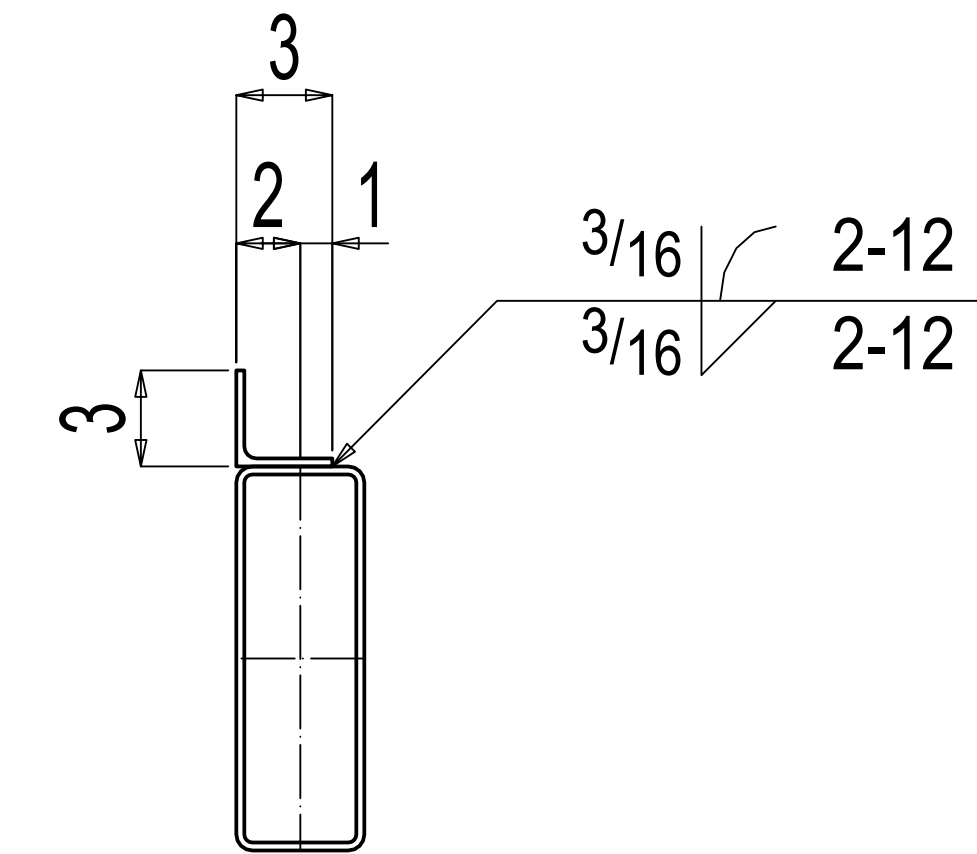
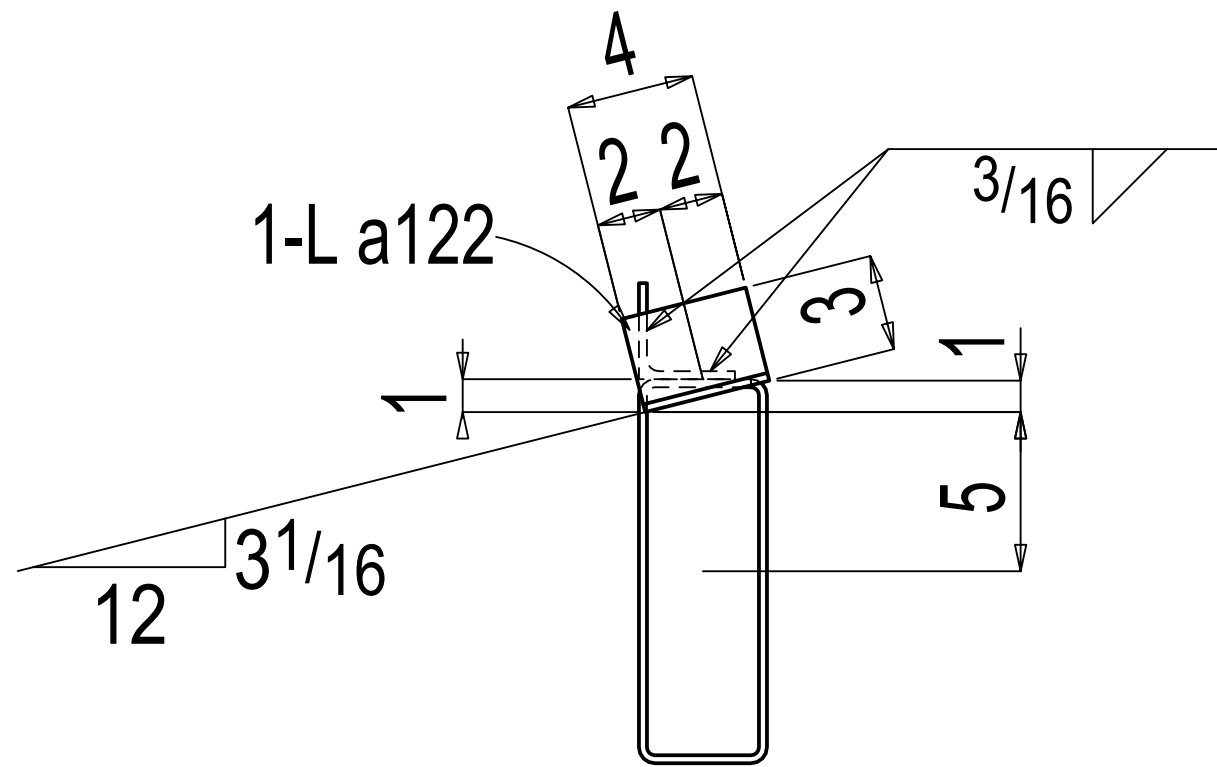
ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:		ISSUED FOR FAB:				CUTTING:	DRILLED:	FITTING GA:	WELD GA:	CHECKED BY:				
GENERAL NOTES: ALL HOLES ARE 13/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH						REMARKS:		CLIENT:						
								PROJECT:						
		0				MARK ID:		TITLE:	BEAM		DRAWN:		JOB No:	DIV:
		A						CATEGORY UNO:			CHECKED:		DWG No: B22	REV: 0
CUSTOMER REF:		REV	DETAILS	BY	DC	DATE	PO:							

BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B23	HSS12x4x1/4	19' 7 7/8	508	A500C
1	a146	L3x3x1/4	9' 10 5/16	49	A36
1	a122	L3x3x1/4	0' 4	2	A36
TOTAL WEIGHT THIS DRAWING :				559	



ONE BEAM B23

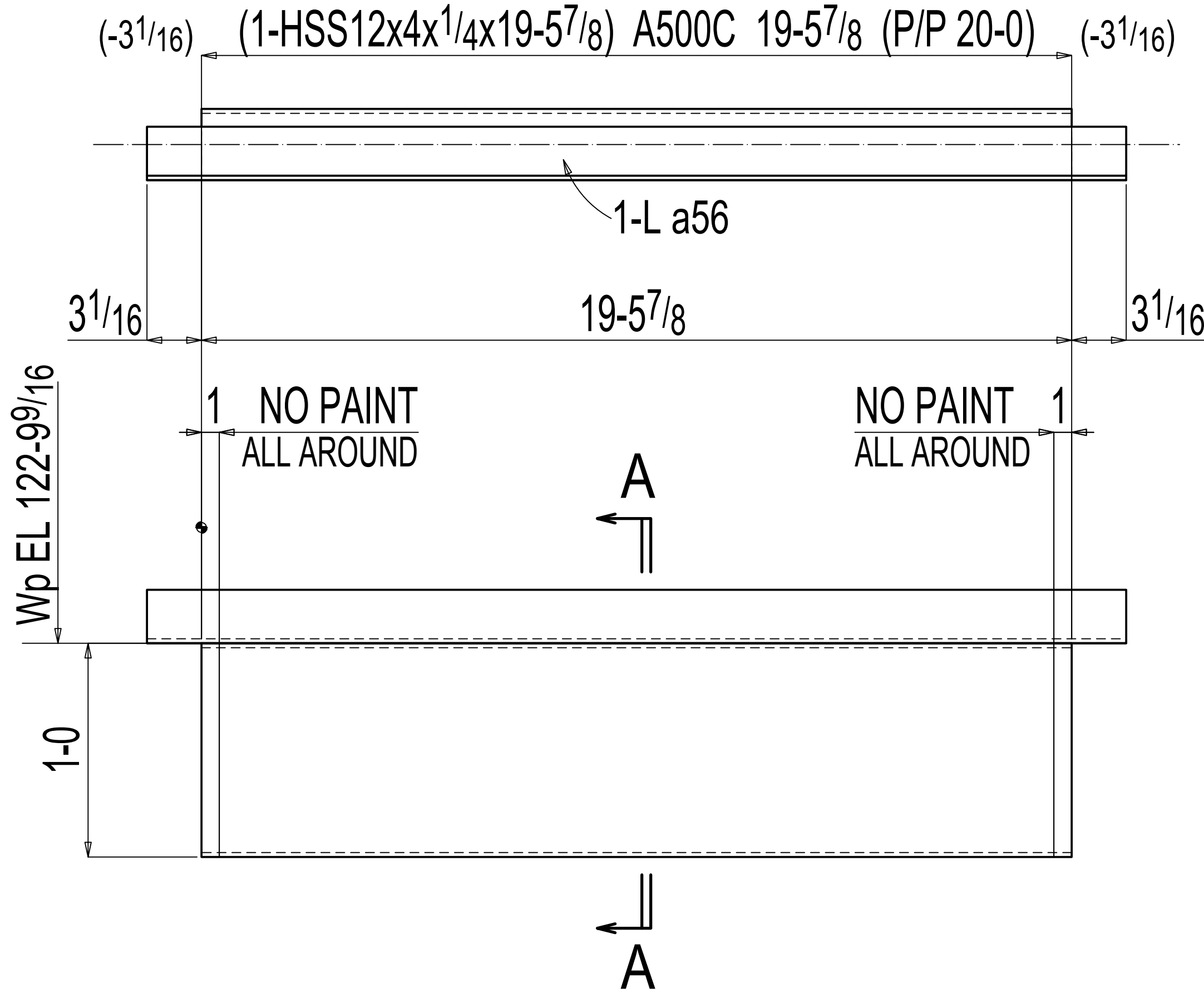


Section A-A
B23

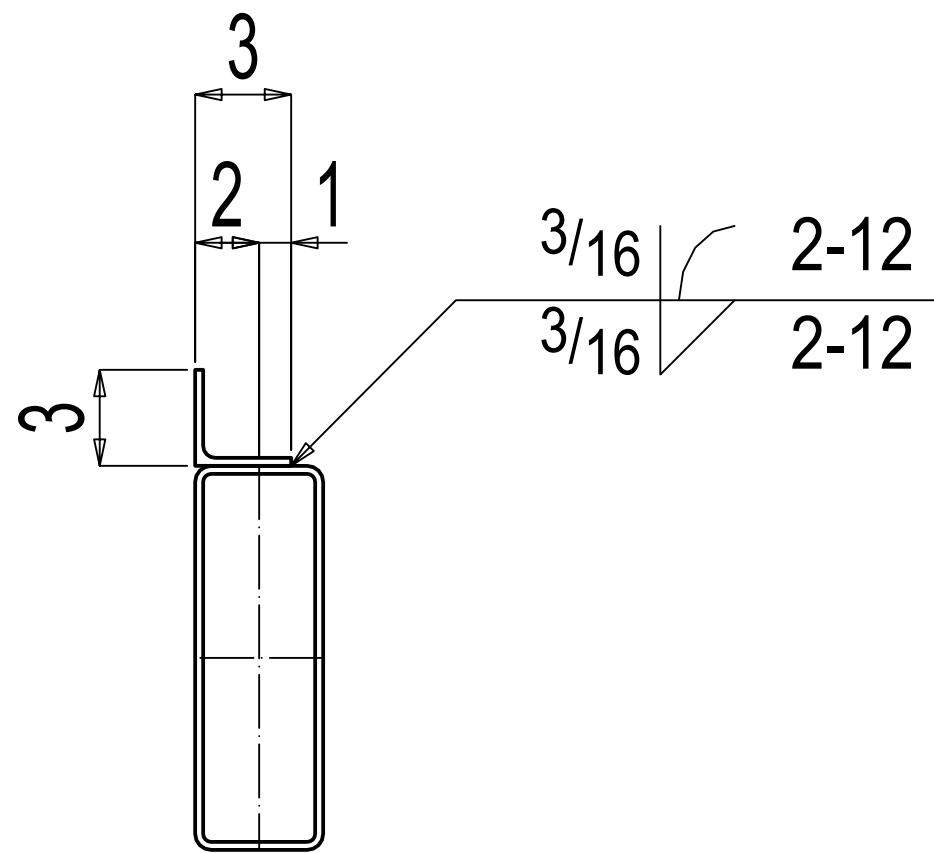
ALL CLOUED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:		ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:	
GENERAL NOTES: ALL HOLES ARE 1 3/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH						REMARKS:		CLIENT: PROJECT: TITLE: BEAM							
		0													
		A				MARK ID:									
CUSTOMER REF:		REV	DETAILS	BY	DC	DATE	PO:	CATEGORY UNO:		DRAWN:			JOB No:		DIV:
										CHECKED:			DWG No: B23		REV: 

BILL OF MATERIAL 5 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
5	B24	HSS12x4x1/4	19 57/8	2013	A500C
5	a56	L3x3x1/4	20 0	490	A36
		TOTAL WEIGHT THIS DRAWING :		2503	



5 BEAMS B24

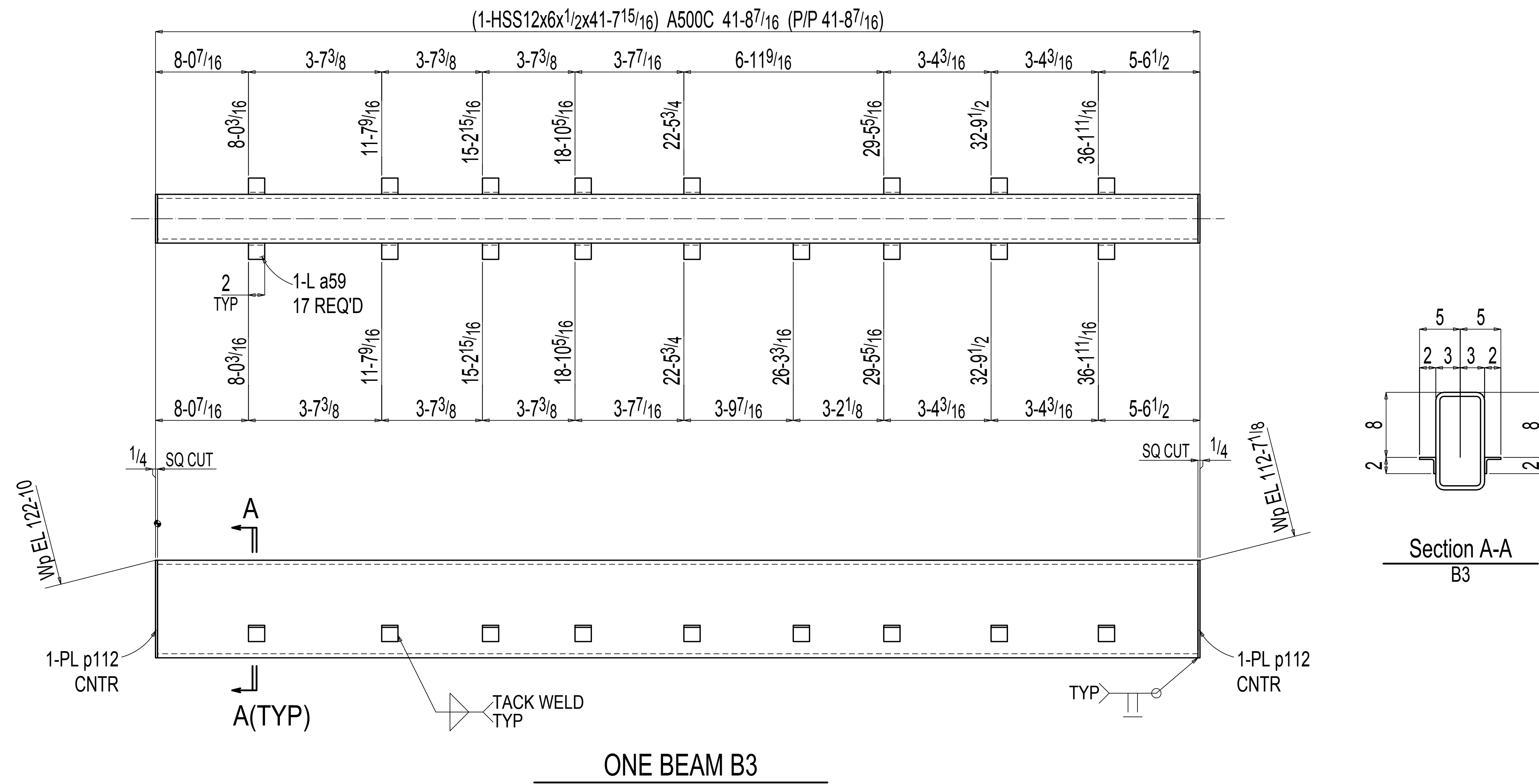


Section A-A
B24

ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

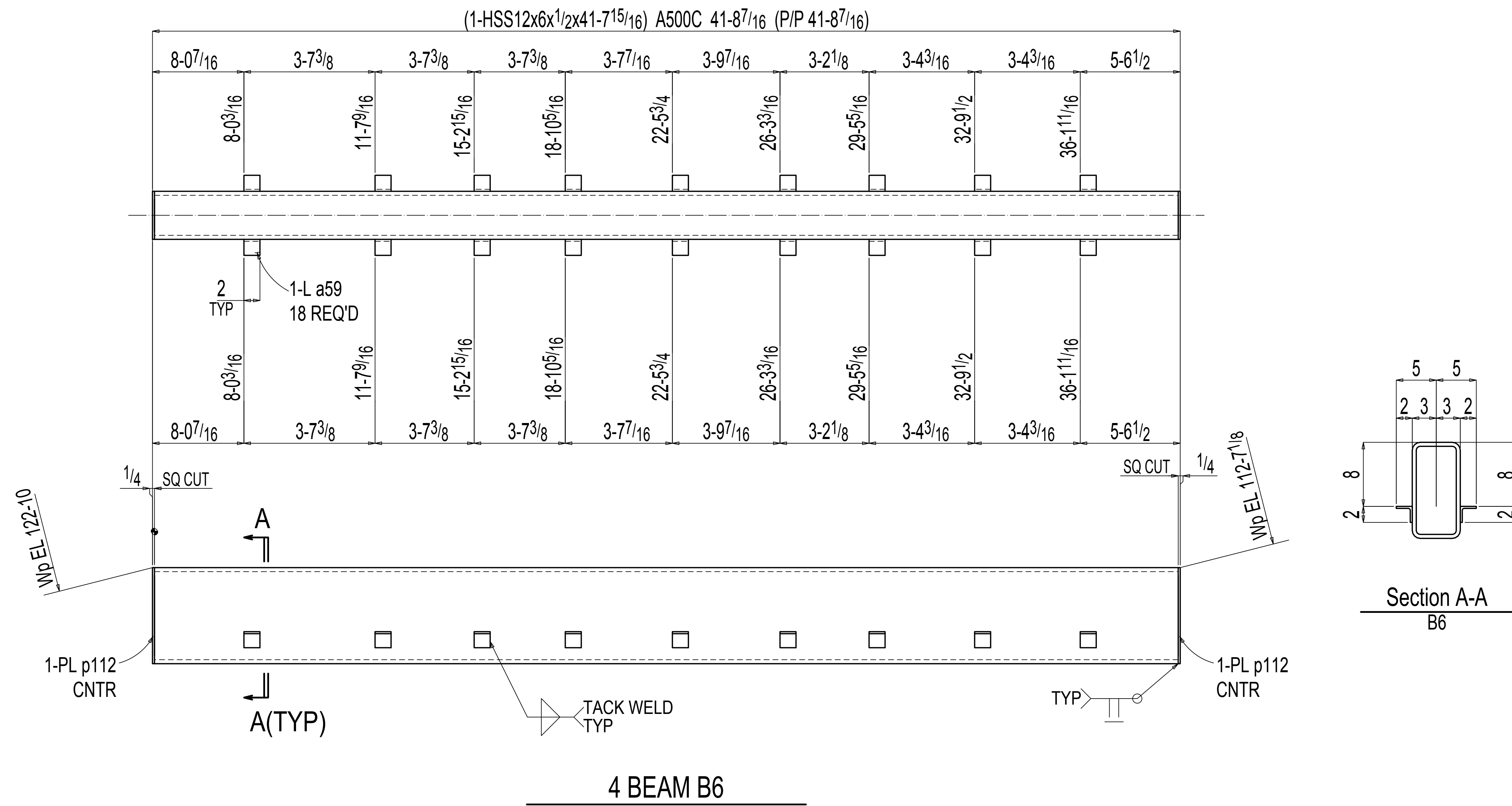
USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:			
GENERAL NOTES: ALL HOLES ARE 1 3/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH								REMARKS:		CLIENT: PROJECT:									
								MARK ID:		TITLE: BEAM									
				0															
A						DRAWN:				JOB No:		DIV:							
CUSTOMER REF:				REV	DETAILS		BY	DC	DATE	PO:	CATEGORY UNO:		CHECKED:			DWG No:		B24	REV: 

BILL OF MATERIAL 1 QTY'S						
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS	
ONE	B3	HSS12x6x1/2	41	7 ⁵ / ₁₆	2319	A500C
17	a59	L2x2x1/4	0	2	9	A36
2	p112	PL1/4x6	1	0	10	A36
		TOTAL WEIGHT THIS DRAWING :			2338	

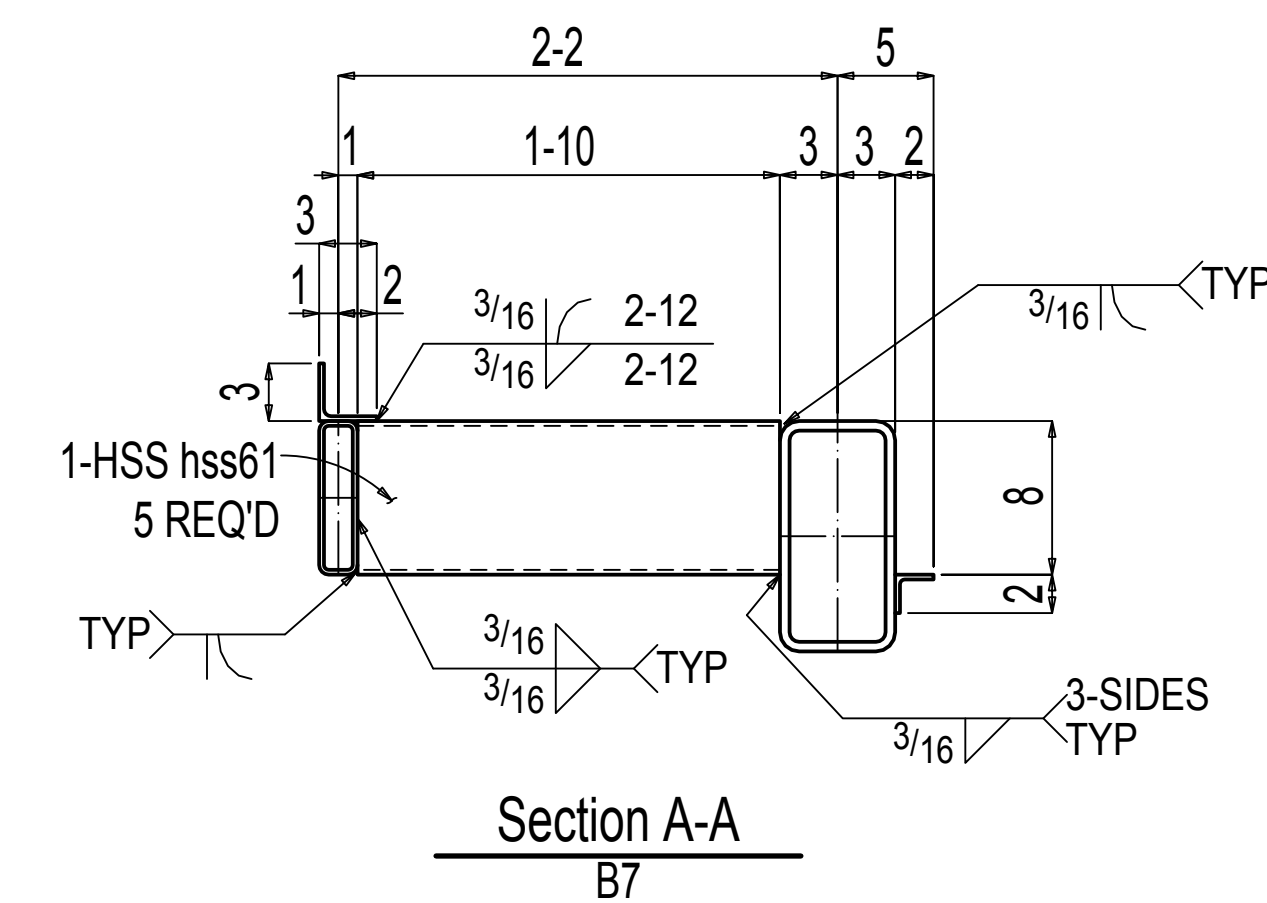
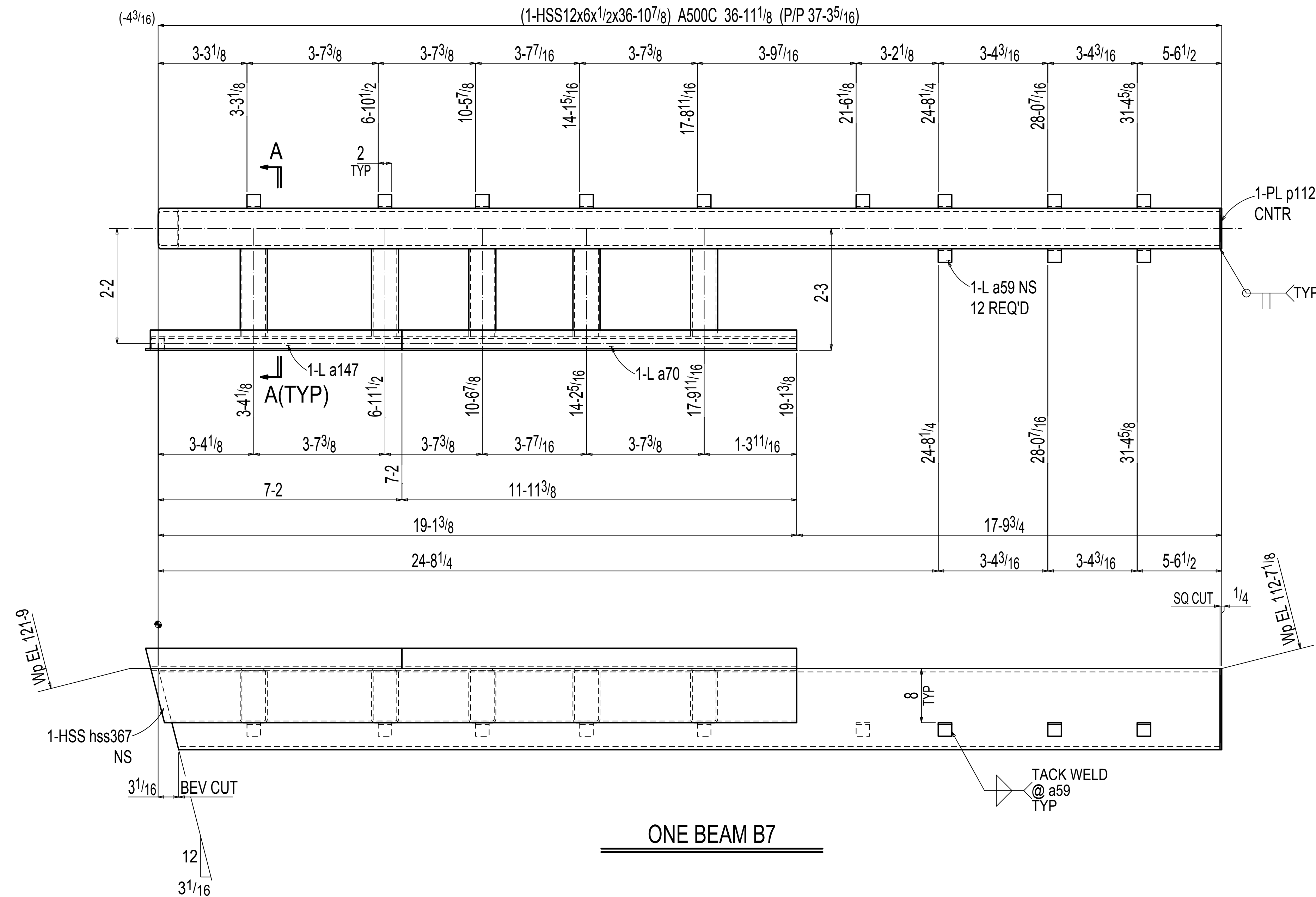


USE WELD SPECS:			ISSUED FOR FAB:			CUTTING:		DRILLED:		FITTING GA:		WELD GA:		CHECKED BY:	
GENERAL NOTES: ALL HOLES ARE 1 3/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER							REMARKS:		CLIENT:		PROJECT:				
							MARK ID:		TITLE: BEAM						
			0												
			470.43 lbs EACH	REV									JOB No:		DIV:
CUSTOMER REF:		DETAILS	BY	DC	DATE	PO:	CATEGORY UNO:		DRAWN:			DWG No:		REV: 	
									CHECKED:			B3			

BILL OF MATERIAL 4 QTY'S						
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS	
4	B6	HSS12x6x1/2	41	7 ⁵ / ₁₆	11594	A500C
72	a59	L2x2x1/4	0	2	38	A36
8	p112	PL14x6	1	0	41	A36
		TOTAL WEIGHT THIS DRAWING :			11693	



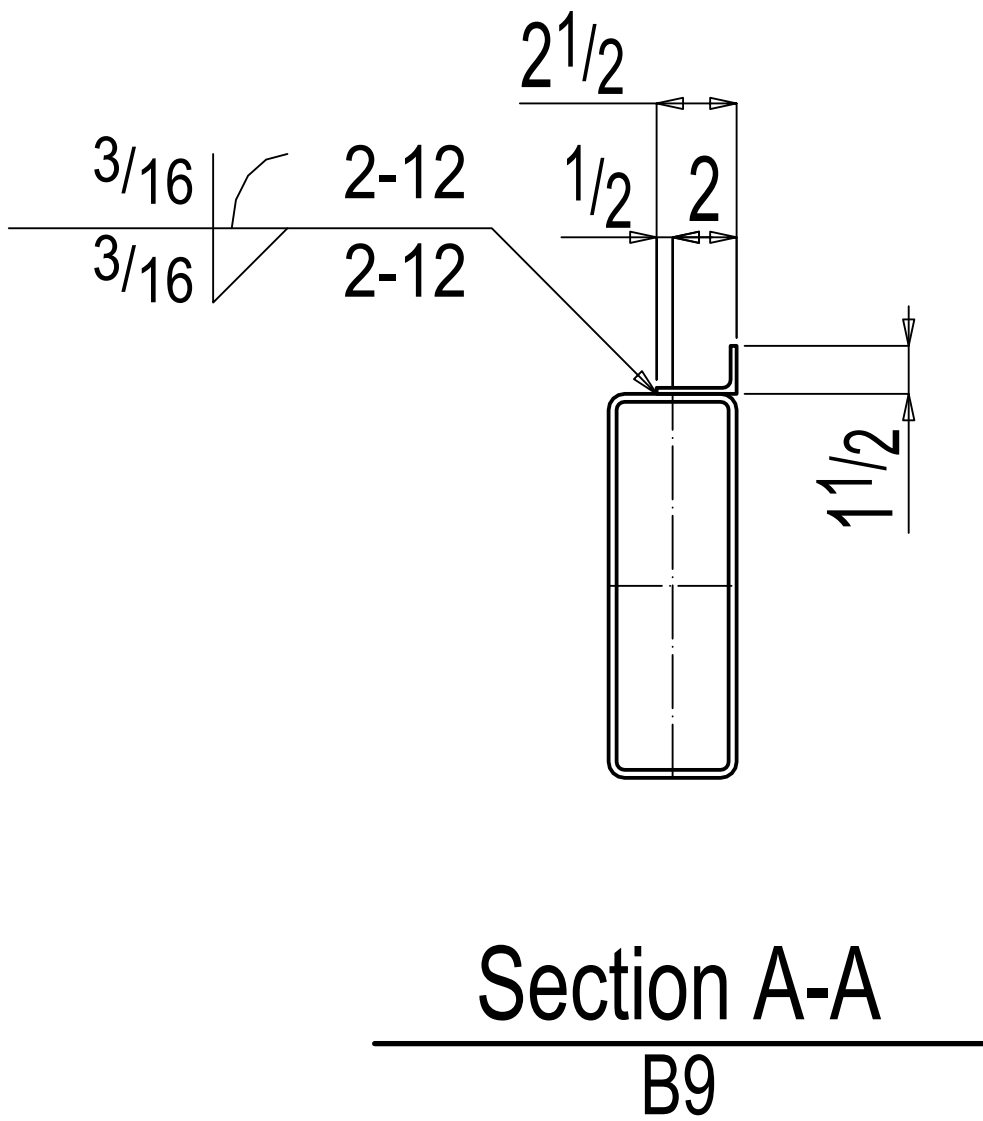
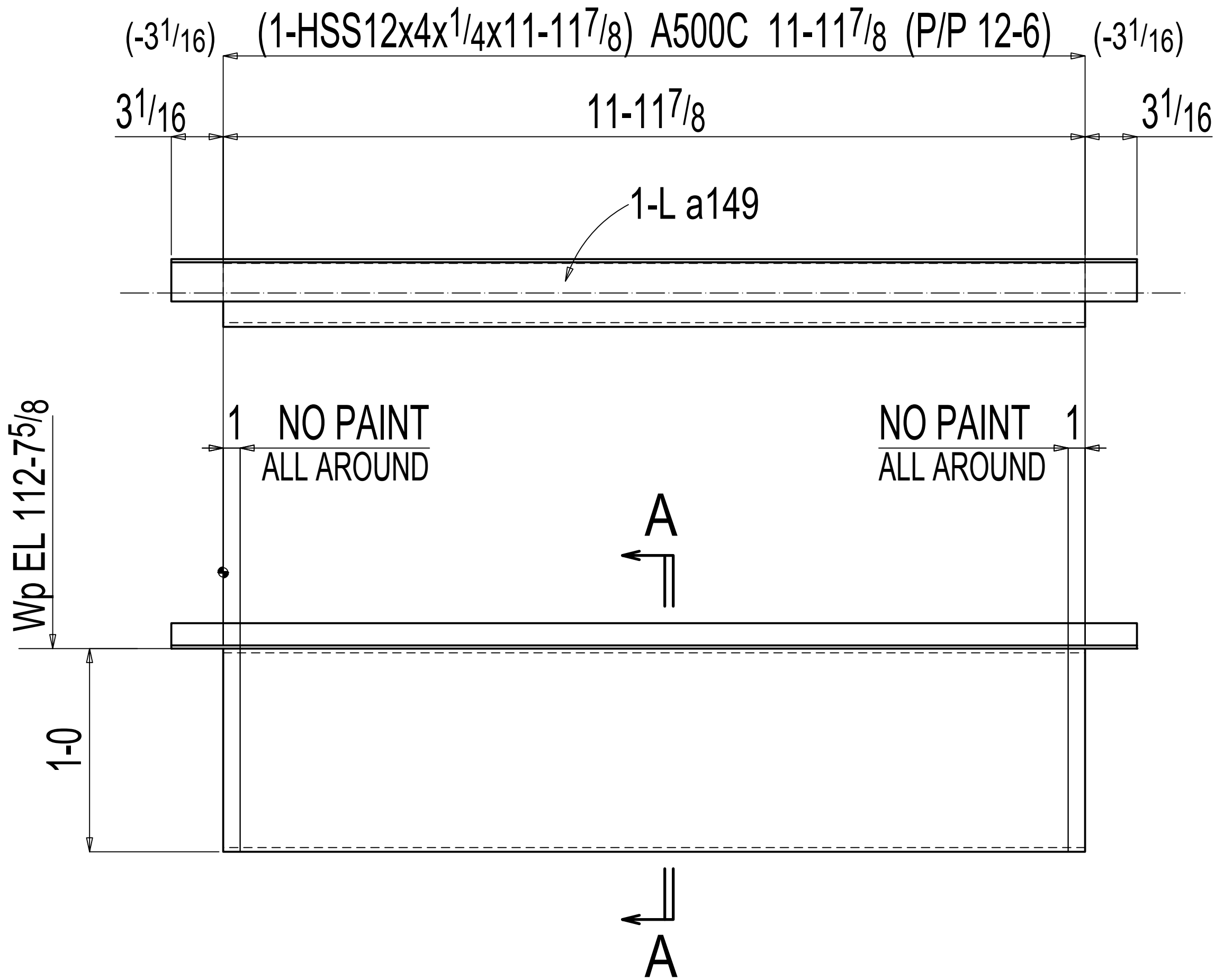
BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B7	HSS12x6x1/2	36 10 7/8	580	A500C
5	hss61	HSS8x4x1/4	1 10	174	A500C
1	hss367	HSS8x2x1/4	19 2 1/8	300	B1E A500C
1	a70	L3x3x1/4	11 1 5/16	59	A36
1	a147	L3x3x1/4	7 3/8	36	A36
12	a59	L2x2x1/4	0 2	6	A36
1	p112	PL1x6	1 0	5	A36
		TOTAL WEIGHT THIS DRAWING :		3087	



ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:				ISSUED FOR FAB:				CUTTING:				DRILLED:				FITTING GA:				WELD GA:				CHECKED BY:															
GENERAL NOTES: ALL HOLES ARE 1 3/8" Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER 470.43 lbs EACH																REMARKS:				CLIENT:				PROJECT:															
																MARK ID:				TITLE: BEAM				DRAWN:				JOB No:				DIV:							
																0																							
A																																							
REV				DETAILS				BY				DC				DATE				PO:				CATEGORY UNO:				CHECKED:				DWG No: RZ				REV: A			

BILL OF MATERIAL 1 QTY'S					
QTY	MARK	DESCRIPTION	LENGTH	WEIGHT	REMARKS
ONE	B9	HSS12x4x1/4	11' 11 7/8"	310	A500C
1	a149	L2 1/2x1 1/2x3/16	12' 6"	31	A36
		TOTAL WEIGHT THIS DRAWING :		340	



ALL CLOUDED "APPROVER VERIFY" NOTES RETURNED TO US WITH NO RESPONSE WILL BE UNDERSTOOD TO BE ACCEPTABLE BY THE OWNER AND WILL BE INCORPORATED INTO CONSTRUCTION.

USE WELD SPECS:		ISSUED FOR FAB:				CUTTING:	DRILLED:	FITTING GA:	WELD GA:	CHECKED BY:				
GENERAL NOTES:						REMARKS:		CLIENT:						
ALL HOLES ARE 13/16 Ø U.N.O. COPE RADIUS = 1/2" UNO SLOT LENGTHS ARE SHOWN OVERALL FINISH STD SHOP PRIMER								PROJECT:						
470.43 lbs EACH						MARK ID:		TITLE:	BEAM		DRAWN:		JOB No:	DIV:
CUSTOMER REF:	REV	DETAILS	BY	DC	DATE	PO:	CATEGORY UNO:	CHECKED:					DWG No: B9	REV: 0