

Drawing cleanup time is CRITICAL when purchasing a steel software package! In SteelCad, members are detailed using AISC or CISC detailing standards, so your drawings look as if the details were created on a drawing board by a human detailer. No excessive clutter and no excessive CAD cleanup means you get clean, quick, shop-ready drawings, right from the program!

Reference information can include mating member sizes, load info, and working point dimensions.

Sub-assembly parts are called out right on the detail, as well as in the bill of material. SteelCad can match most marking systems or the standard AISC/CISC marking system, complete with repeated piece marks being carried through an entire job as shown in this example job.

Once a member is detailed, SteelCad retains all its connection information. When you detail the mating member(s), our program simply recalls the information already input and passes that information to the member being detailed. What this means to you is that you will never have to re-enter information for a member or its end connections. No searching through CAD libraries or inputting information more than once. Once SteelCad generates a detail, you can sit back and let SteelCad do the work.

And if that's not enough, SteelCad will design connections for you based upon your shop standards and the standards for a particular contract, complete with design load and information for bolts, welds, and connection members. No searching through connection types for one that will work. No need to design your own connections and have the program check them for you. SteelCad's intuitive end connection design creates standardized end connections based on current AISC or CISC standards. When SteelCad creates a connection you can be sure it passes.

Got an approver who insists a connection will work when you know it won't? Just print out SteelCad's design calculations.

But what if you have a small bay to span with a heavy beam? Will you be stuck with unnecessarily thick material, inordinately large bolts, or massive quantities of bolts on a member that requires hardly any load? No. SteelCad let's you override its connection design with ease.

SteelCad's bill of material design is highly customizable, allowing for your own custom column headings. It also lets you choose which columns you want to appear in the bill of material, and in what order.

Don't see the columns you're used to? SteelCad also supports an advanced bill of material (ABM) number column, several division (or sequence) columns, single item and total item weight columns, a shipping quantity column, and several miscellaneous columns that you can define yourself.

If you use pre-printed drawing paper, you can disable SteelCad's bill of material, border, and title block entirely, or disable the lines and keep the bill of material text on the finished drawings.

Or, if you have a CAD drawing that you use for your bill of material, simply have SteelCad import the CAD drawing with each drawing it creates.

Our program completely bills each main piece and all its sub-assembly parts automatically.

Sub-assembly parts can be grouped together in the bill of material or grouped with the main assemblies to which they are attached, as shown on this drawing.

If SteelCad encounters a sub-assembly part that has already been billed on the current drawing, it can either suppress the bill info (as shown one sub-assembly part aa1 under assembly 1D4, at right) or re-bill the sub-assembly piece in its entirety.

Our stacked-fractional dimensions make it much easier to fit part descriptions in their respective bill of material columns.

Don't need a bill of material at all? Have SteelCad suppress the bill. It's that simple. Flexibility is the name of the game, and SteelCad plays hardball.

None of the drawings you will see in this sample contract have been altered in any CAD program in ANY way. These drawings are EXACTLY as they appeared when generated DIRECTLY from SteelCad Millennium and sent to AutoCAD 2000.

Although these drawings were sent to AutoCAD 2000, SteelCad's drawings look virtually the same in ANY DXF-compatible CAD system, including any version of AutoCAD since version 12, any version of AutoCAD LT since its original release, IntelliCAD 2000, Microstation, FastCAD32, EasyCAD32, and the original FastCAD.

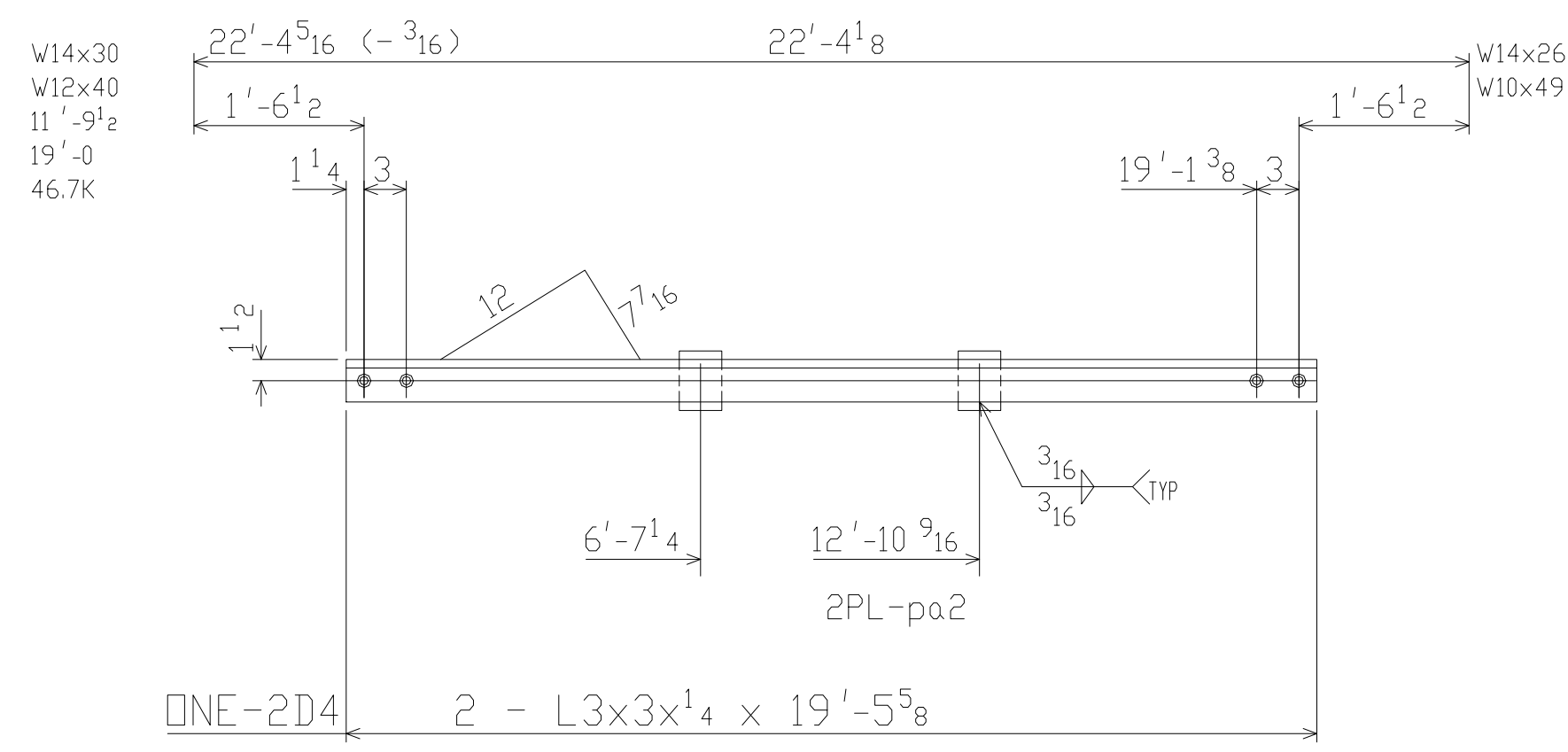
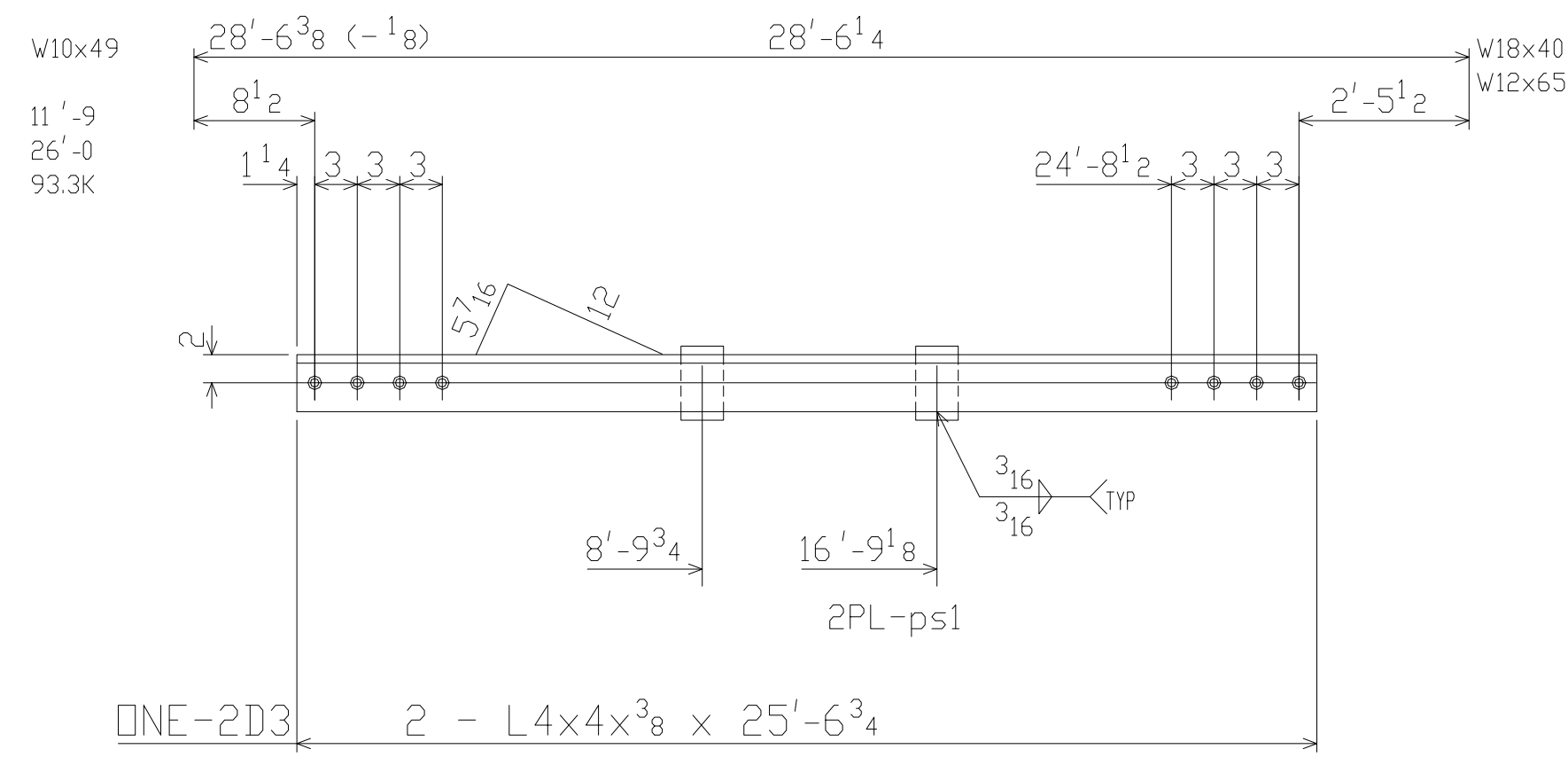
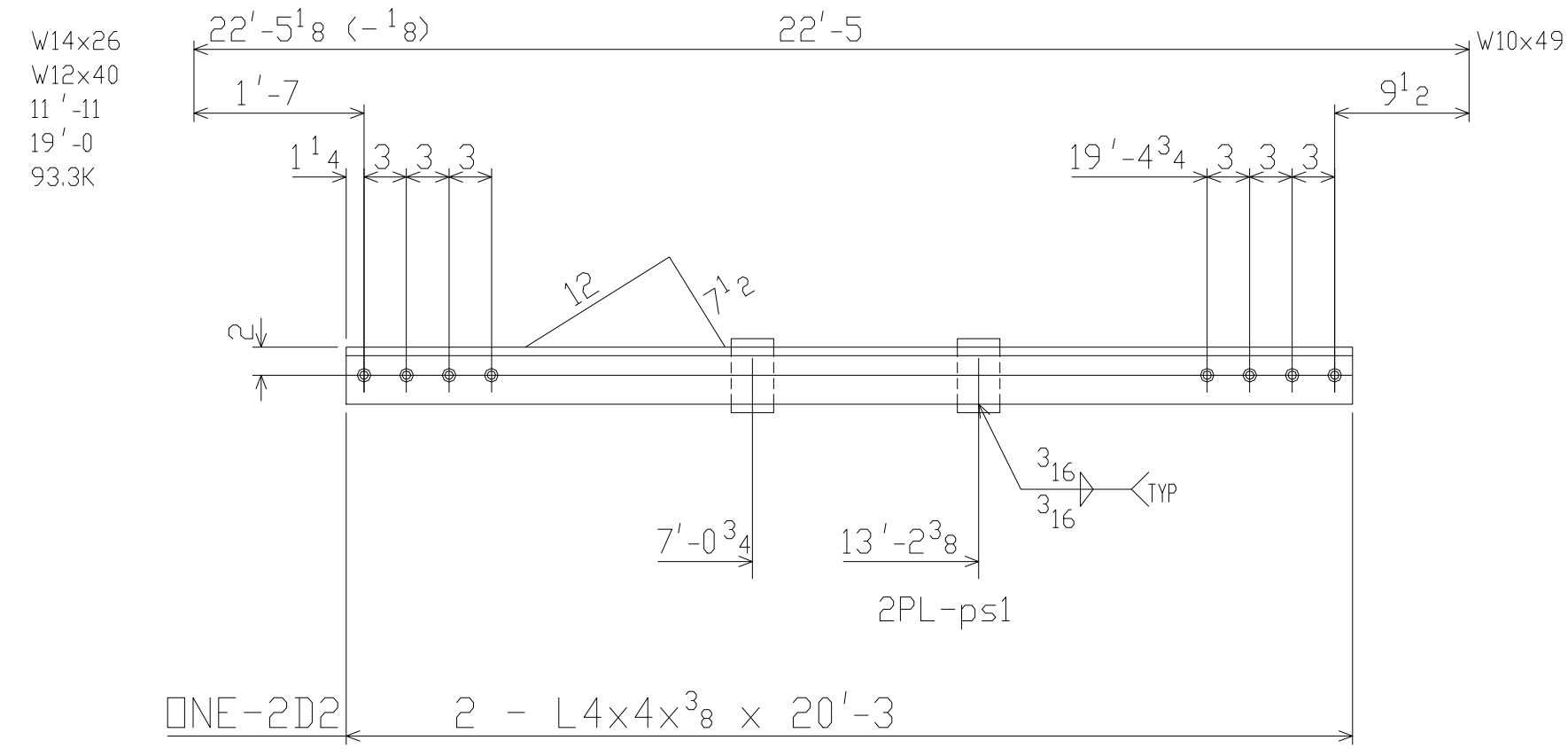
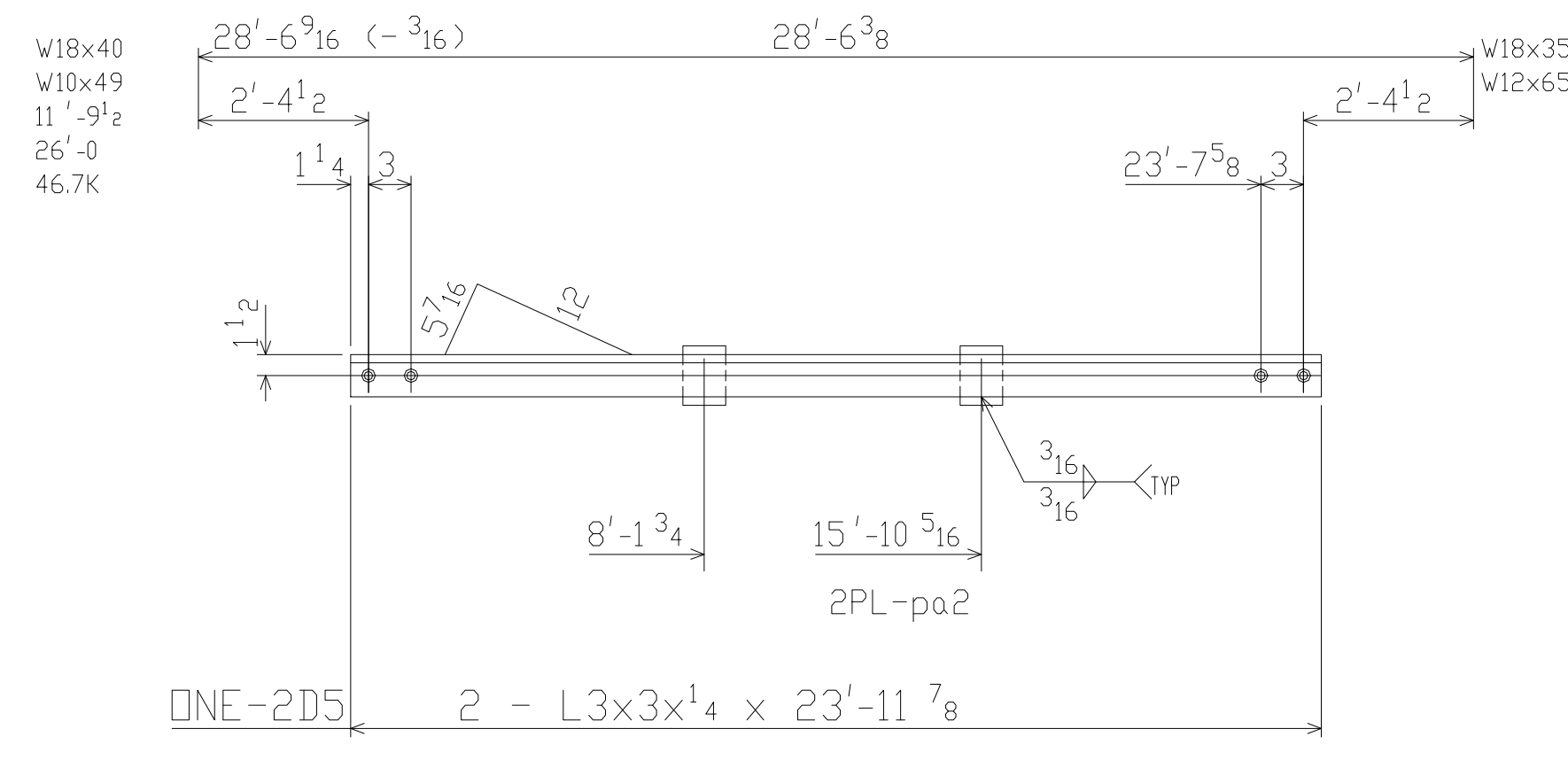
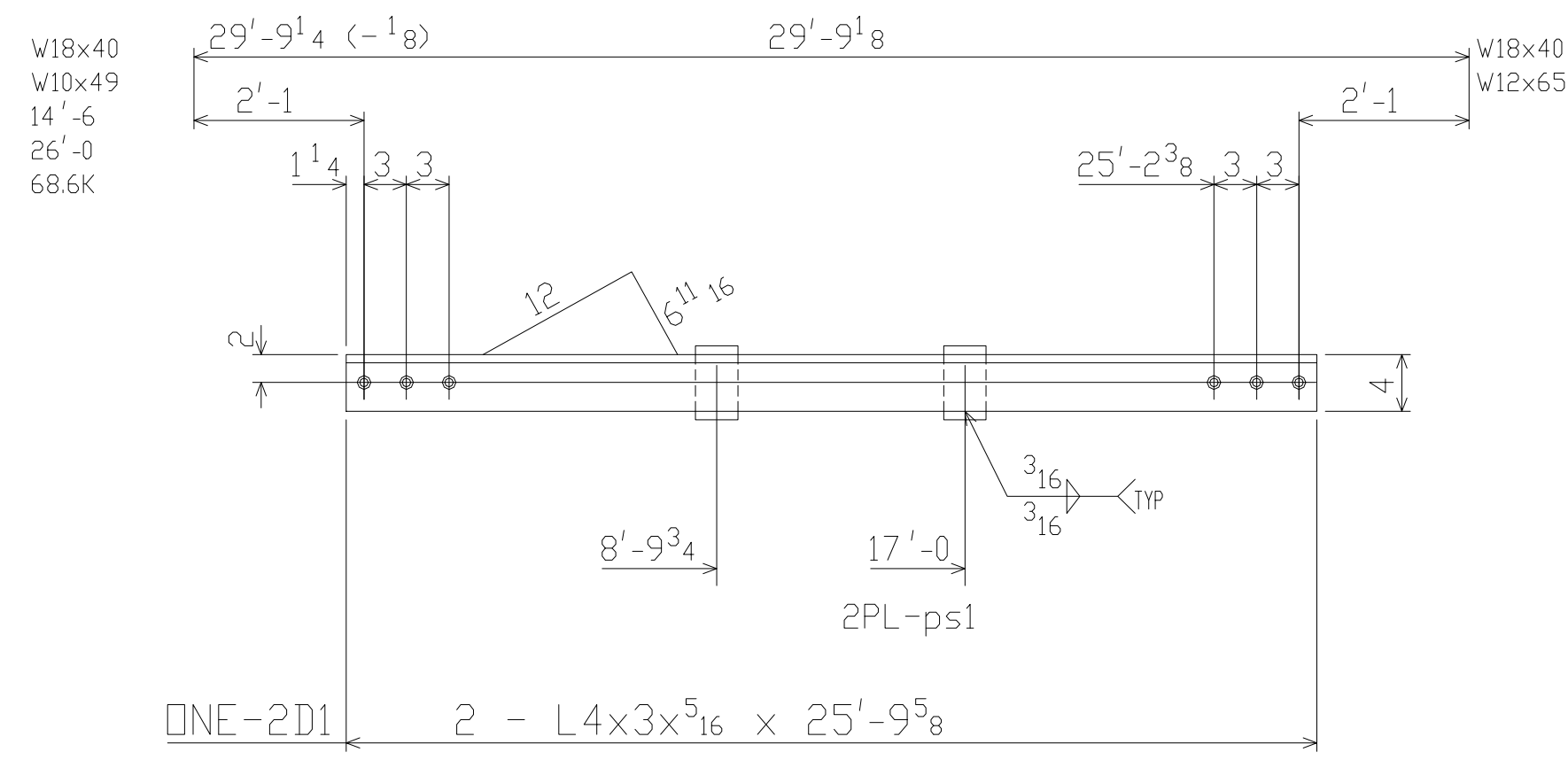
In most cases, SteelCad doesn't require you to import its drawings into your CAD program. Our program will simply find all supported CAD systems on your hard drive (or mapped network drive) and let you choose which one to use as the default CAD system. Then when you tell SteelCad to generate a drawing, it will automatically launch your CAD program with the drawing already loaded. It's that simple, and simplicity is KEY when purchasing a steel software package.

SteelCad can generate a title block automatically or you can create a custom title block using SteelCad's custom title block utility. If neither of those options suits you, you can create one in CAD, disable SteelCad's title blocks entirely, and have SteelCad import the title block for you.

BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
		ONE-1D1					1
							2
		L3x3x1/4	5	10 3/8	29		3
1	aa1	L4x3x5/16	0	5 1/2	14		4
4	po1	PL 7/8x12 1/4	1	0 1/4	75		5
2	pd	3/4 A325 BOLT(S)	0	2 1/4	3		6
4							7
		ONE-1D2					8
							9
		L3x3x1/4	5	10 3/8	29		10
1							11
4	aa1				14		12
2	po1				75		13
4	pd				3		14
		ONE-1D3					15
							16
		L3x3x1/4	6	5 1/4	32		17
1							18
4	aa1				14		19
1	pb1	PL 7/8x12 1/4	1	0 1/4	38		20
1	pc1	PL 7/8x15	1	3	56		21
4	pd				3		22
		ONE-1D4					23
							24
		L3x3x1/4	7	0 3/4	35		25
1							26
4	aa1				14		27
1	pf1	PL 7/8x12 1/4	1	0 1/4	38		28
1	pp1	PL 7/8x12	1	4	48		29
4	pd				3		30
		ONE-1D5					31
							32
		BRACE					33
1							34
2	ob1	L4x3x5/16	21	3 1/8	307		35
2	ps1	PL 7/8x3	0	4 1/2	7		36
							37
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FIELD BOLTS						
PAINT		1-CY PRIMER				
MATERIAL		A36 U/NOTED				
HOLES		13/16 U/NOTED				
ELECTRODES		E70XX				
TOTAL WEIGHT		826	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION
DIAG. REF #		REVISIONS				
STEELCAD CONSULTING CORP.						
DRAFTER	CUSTOMER	SAMPLE CONTRACT		CONTRACT NO		
DATE	03-15-2001			EXAM		
CHECKED	STRUCTURE	SAMPLE STRUCTURE		DWG NO		
DATE				1		



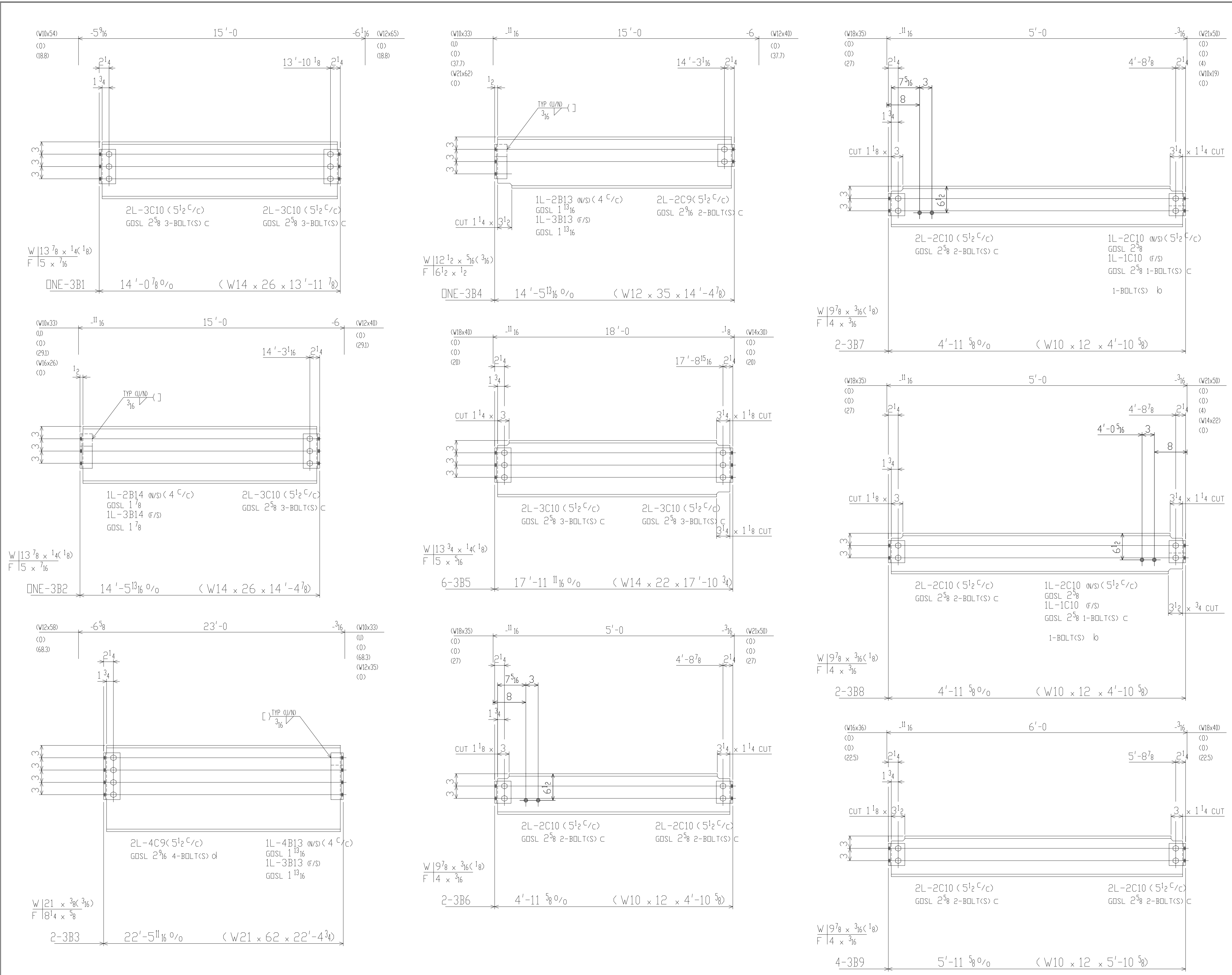
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
							1
		ONE-2D1					2
		BRACE					3
1		L4x3x <sup>5</sup> / <sub>16</sub>	25	9 <sup>5</sup> / <sub>8</sub>	372		4
2	aa2	PL <sup>7</sup> / <sub>8</sub> x3	0	4 <sup>1</sup> / <sub>2</sub>	7		5
							6
							7
		ONE-2D2					8
		BRACE					9
1		L4x4x <sup>3</sup> / <sub>8</sub>	20	3	397		10
2	ab2	PL <sup>7</sup> / <sub>8</sub> x3			7		11
							12
							13
		ONE-2D3					14
		BRACE					15
1		L4x4x <sup>3</sup> / <sub>8</sub>	25	6 <sup>3</sup> / <sub>4</sub>	502		16
2	ac2	PL <sup>7</sup> / <sub>8</sub> x3			7		17
							18
							19
		ONE-2D4					20
		BRACE					21
1		L3x3x <sup>1</sup> / <sub>4</sub>	19	5 <sup>5</sup> / <sub>8</sub>	191		22
2	ad2	PL <sup>7</sup> / <sub>8</sub> x3	0	3 <sup>1</sup> / <sub>2</sub>	6		23
							24
							25
		ONE-2D5					26
		BRACE					27
1		L3x3x <sup>1</sup> / <sub>4</sub>	23	11 <sup>7</sup> / <sub>8</sub>	236		28
2	af2	PL <sup>7</sup> / <sub>8</sub> x3			6		29
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FIELD BOLTS				
PAIN	1-CT PRIMER			
MATERIAL	A36 U/NOTED			
HOLE	13/16 U/NOTED			
ELECTRODES	E70XX			
TOTAL WEIGHT	1726	NO	DATE	DESCRIPTION
DIAG. REF #				REVISIONS

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-15-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			2



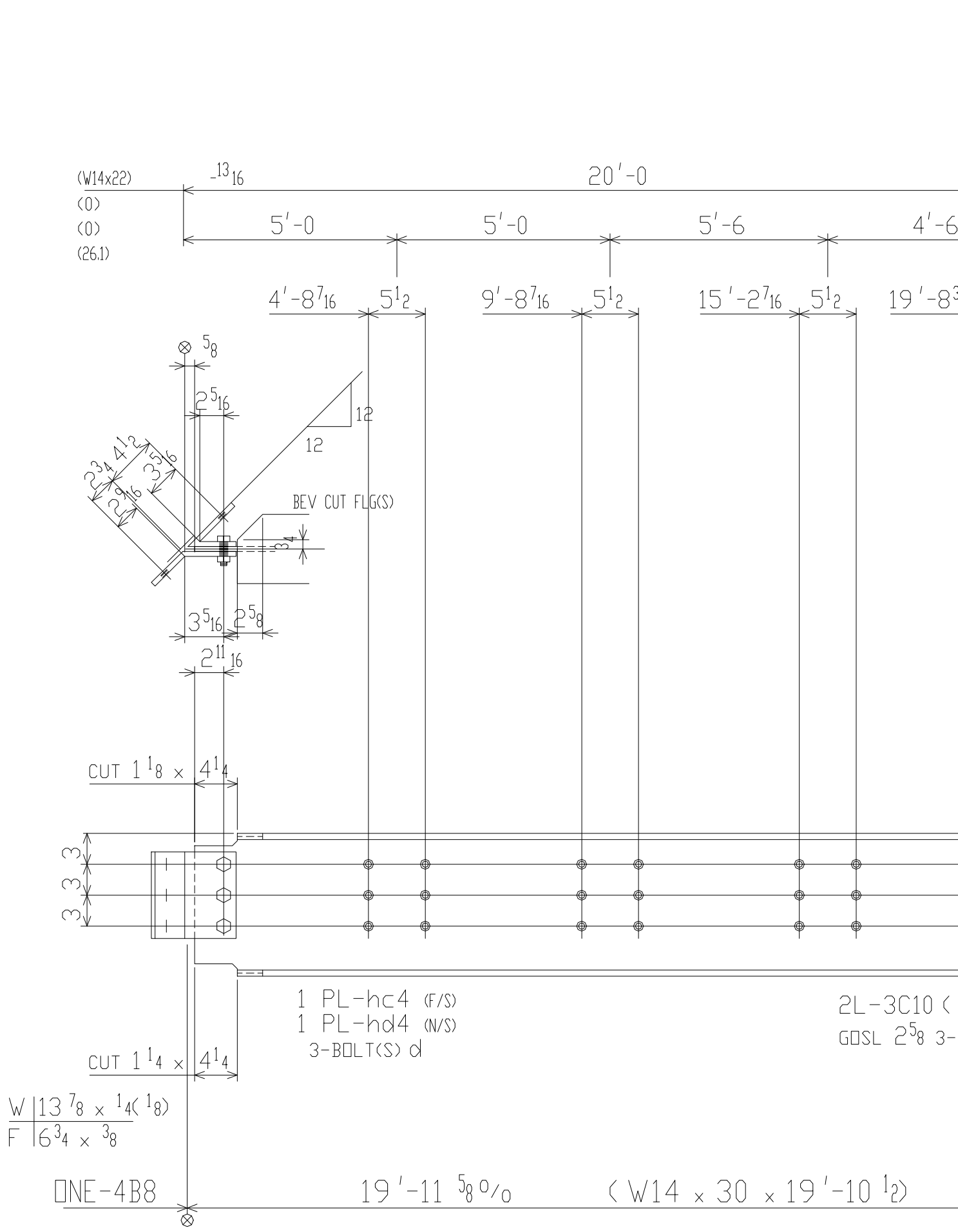
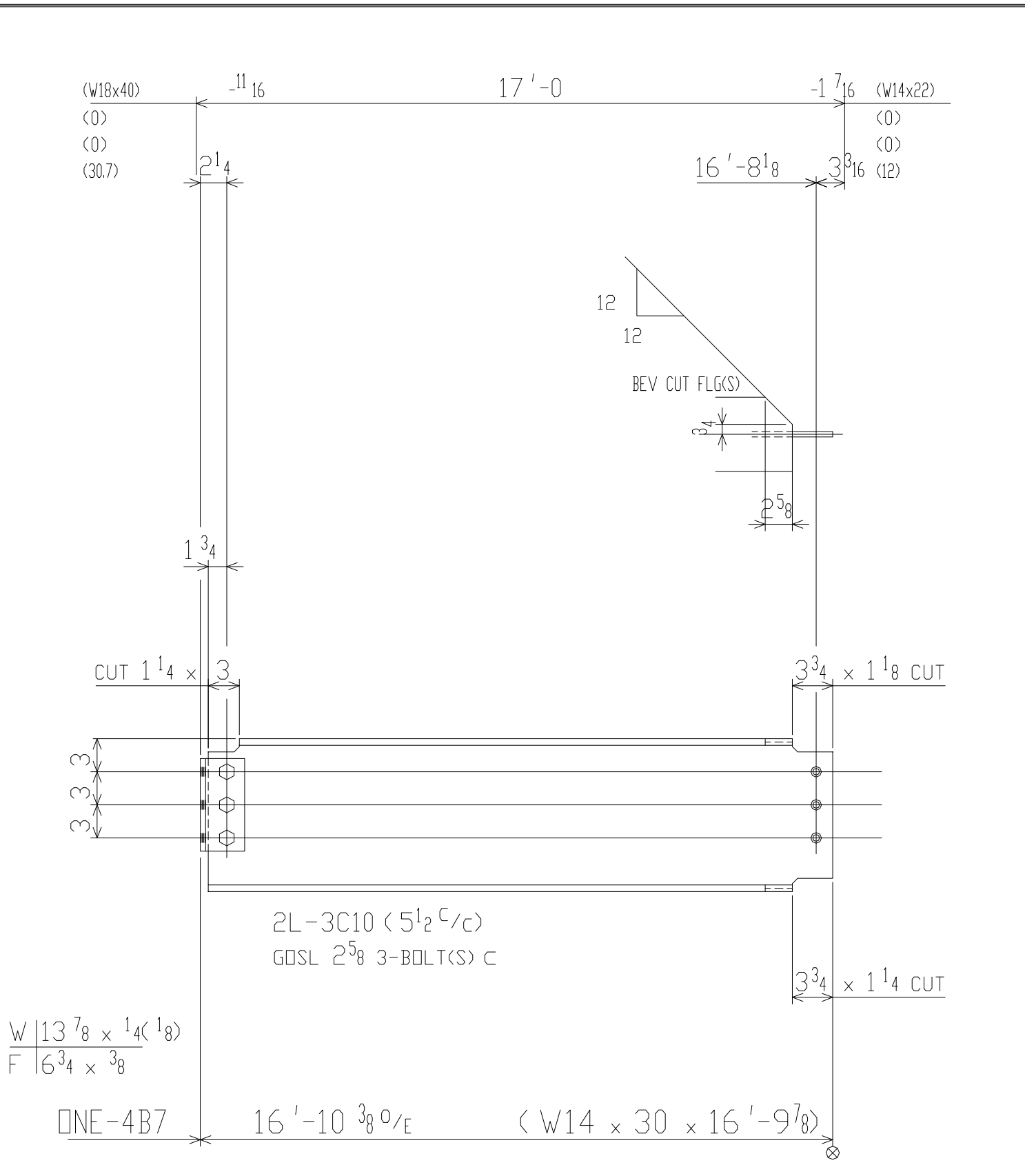
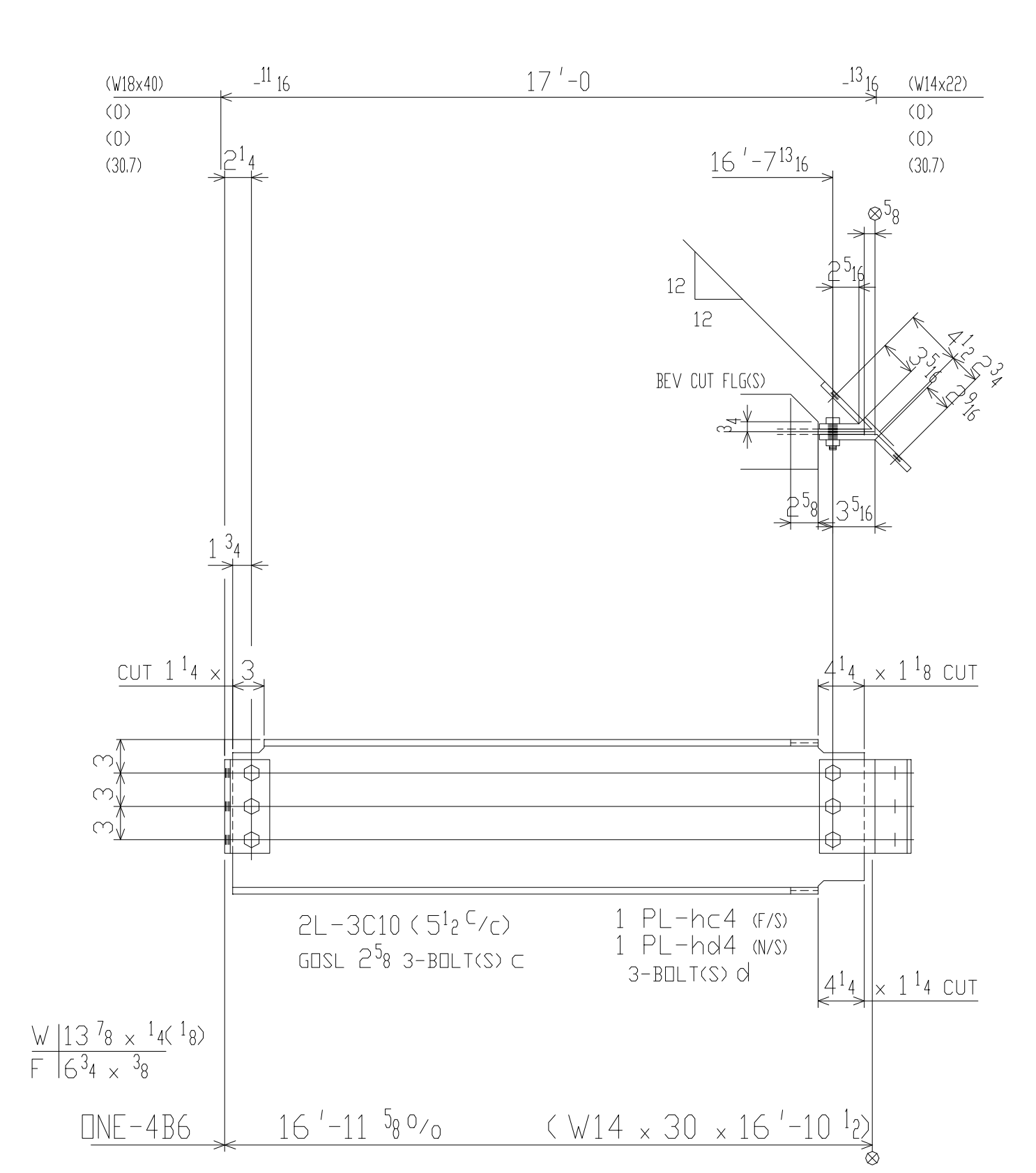
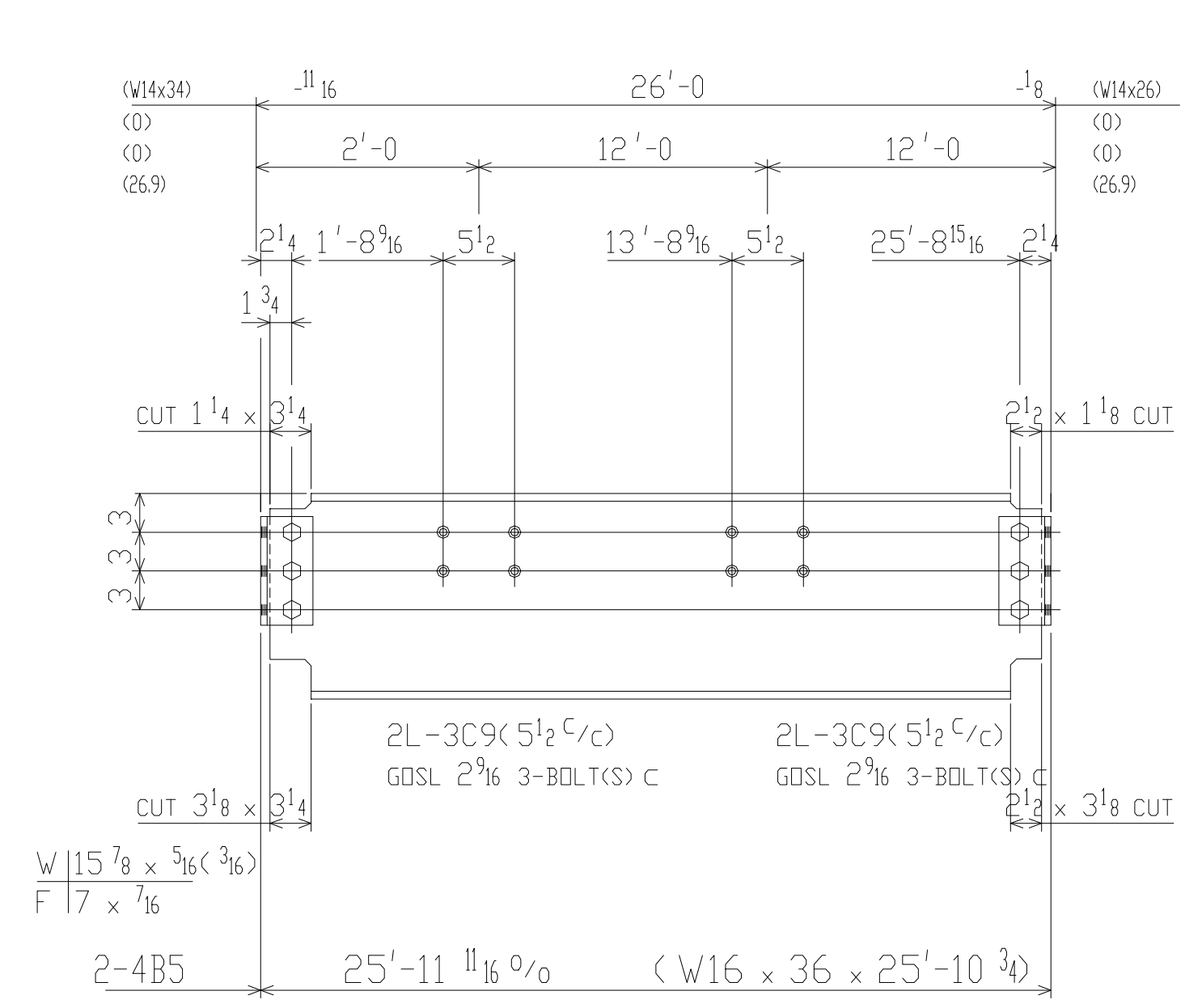
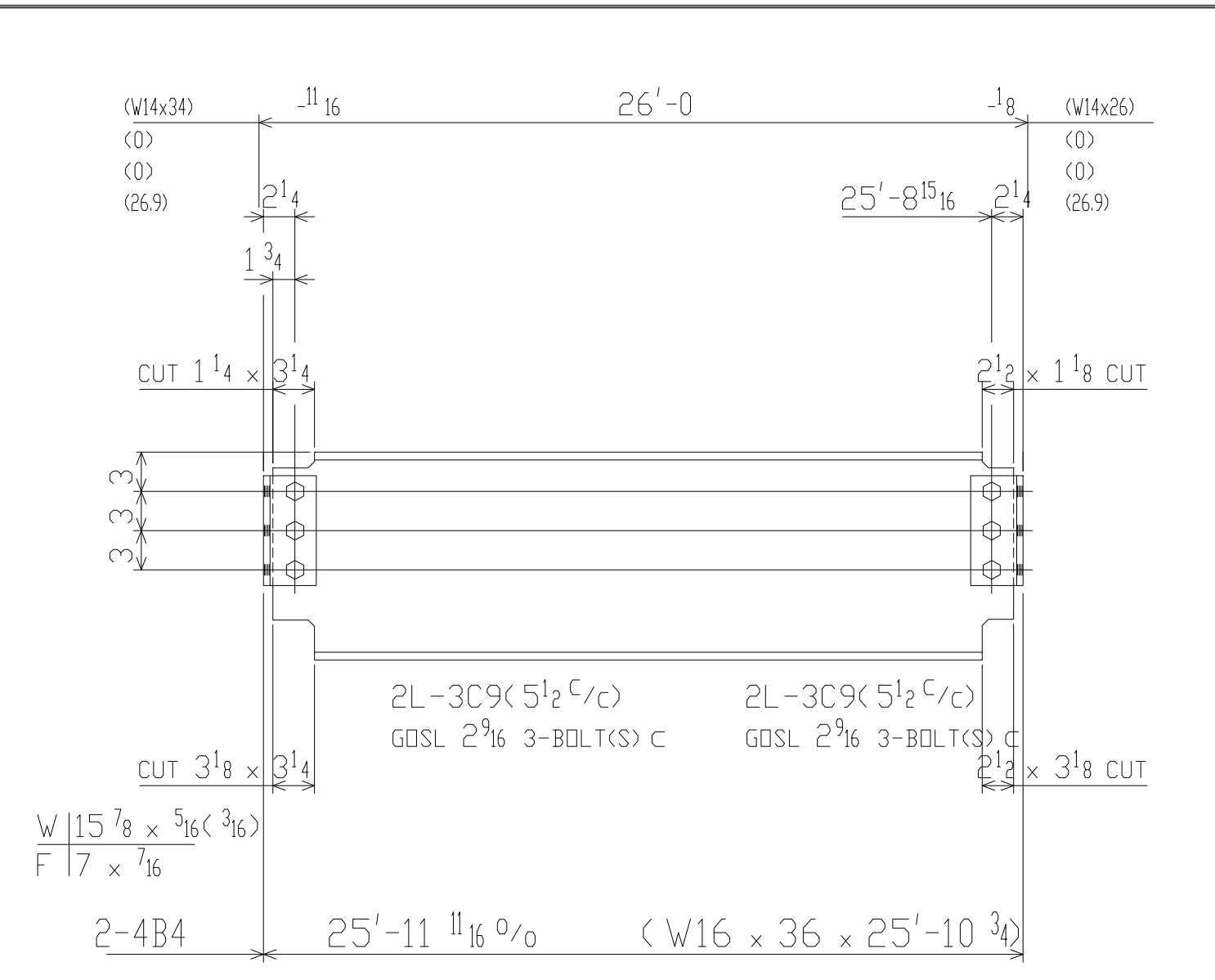
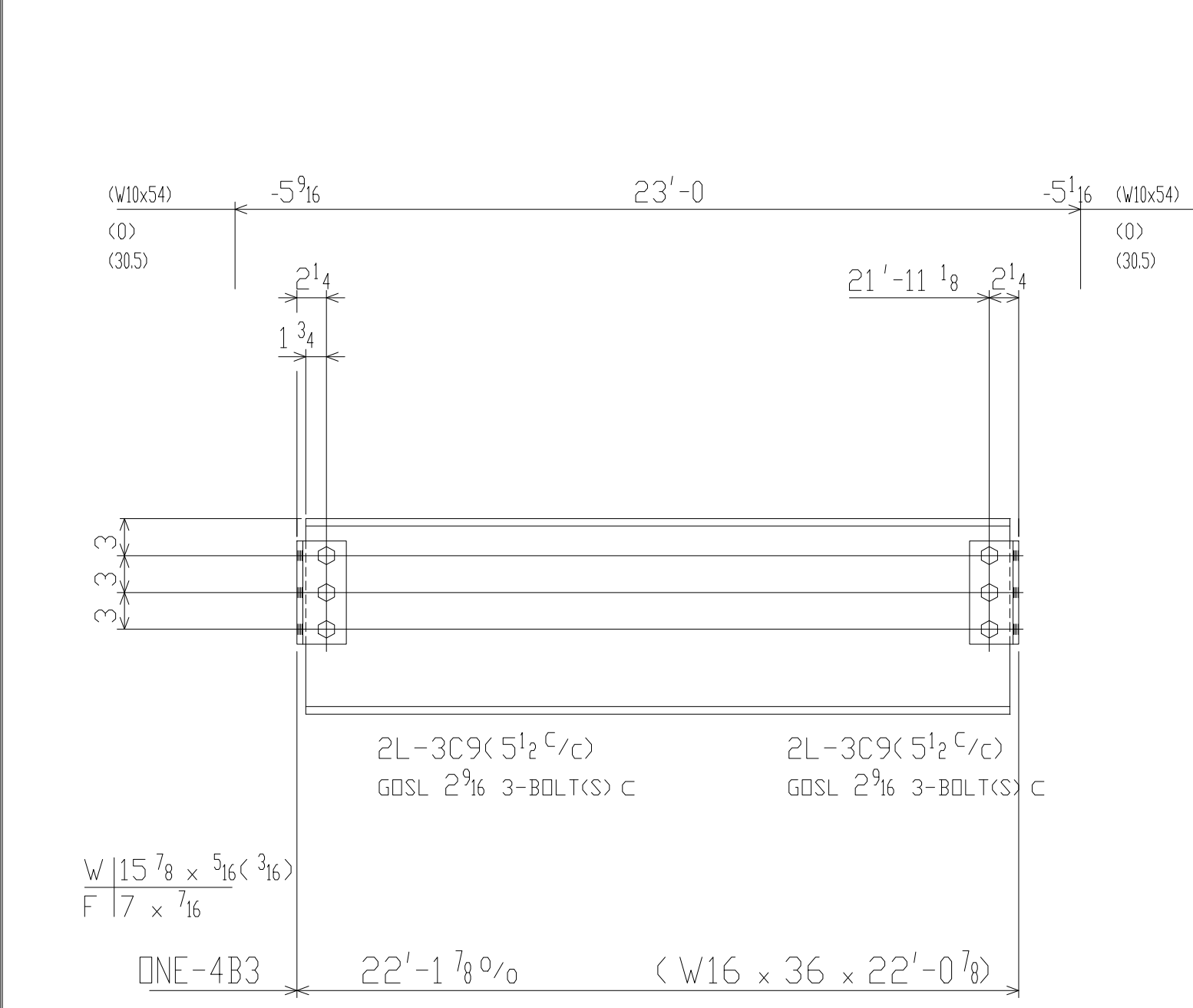
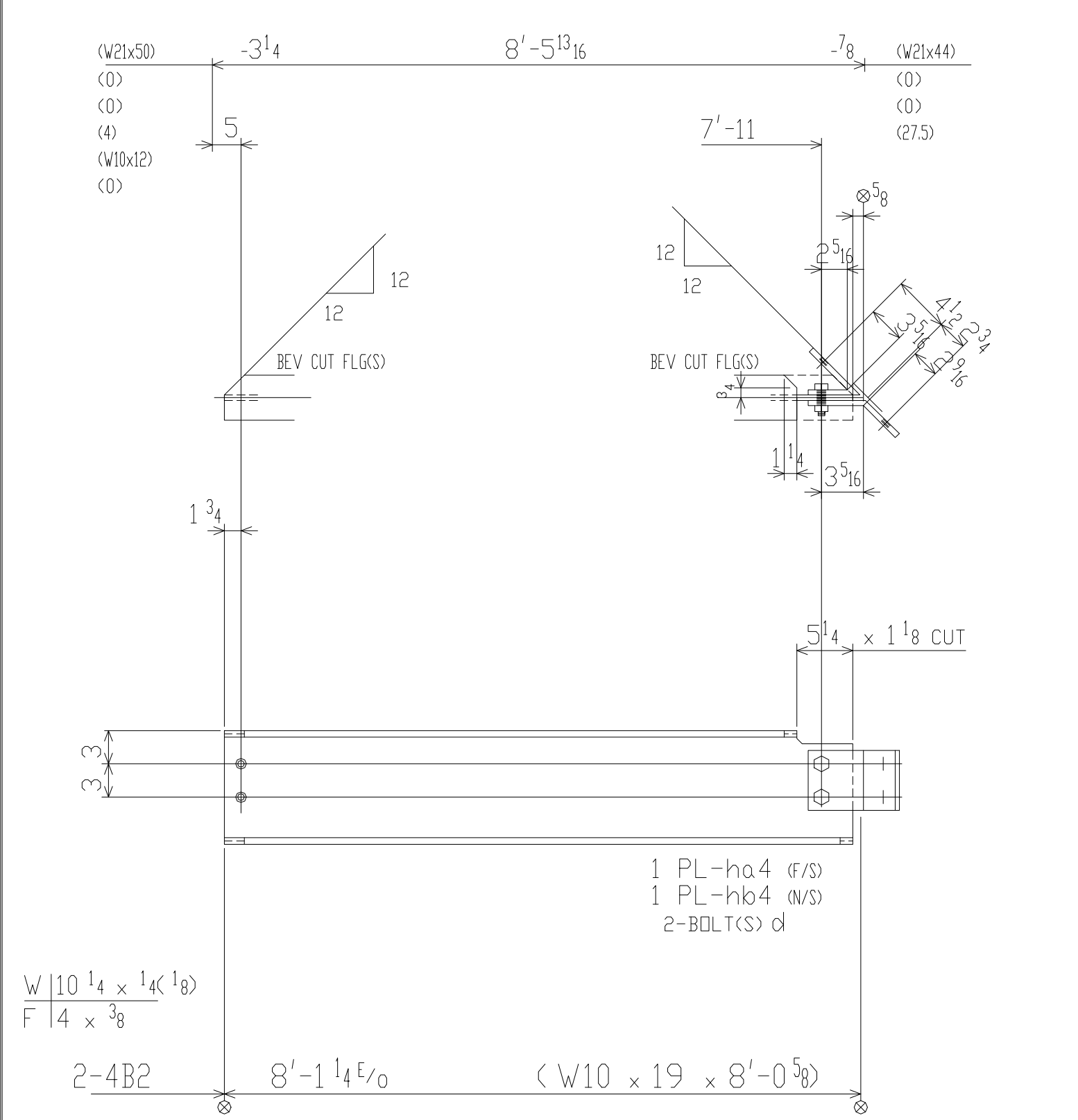
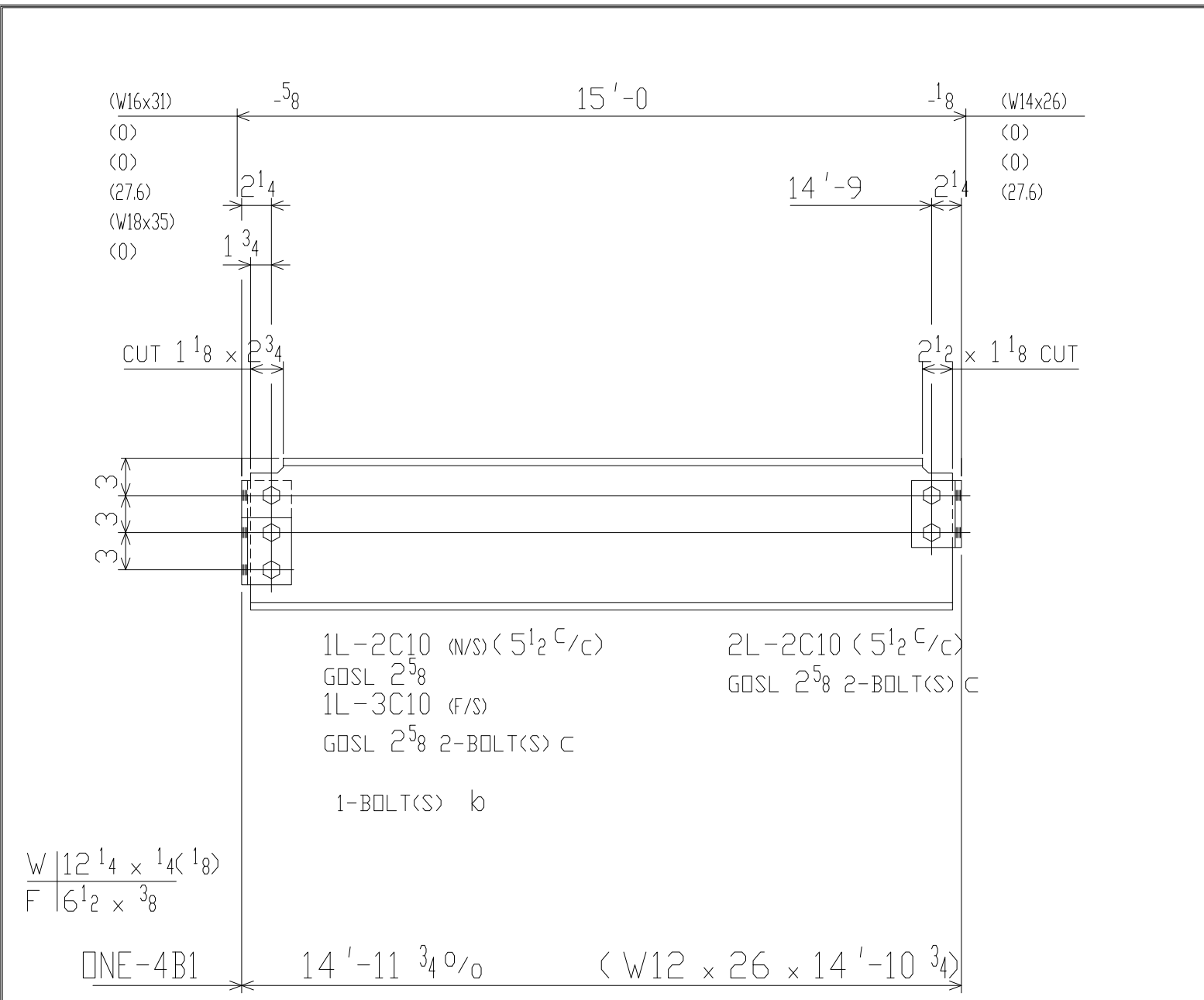
### BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
							1
		ONE-3B1					2
		W14x26	13	11 7/8	364		3
4	3C10	L4x3x5/16	0	8 1/2	22		4
6	c	3/4 A325 BOLT(S)	0	2	4		5
							6
							7
		ONE-3B2					8
1		W14x26	14	4 7/8	375		9
1	2B14	L3x3x5/16	0	5 1/2	3		10
1	3B14	L3x3x5/16	0	8 1/2	5		11
2	3C10				11		12
3	c				2		13
							14
							15
		2-3B3					16
2		W21x62	22	4 3/4	2778		17
4	4C9	L4x3x5/16	0	11 1/2	30		18
2	4B13	L3x3x5/16	0	11 1/2	12		19
2	3B13	L3x3x5/16	0	8 1/2	9		20
8	d	3/4 A325 BOLT(S)	0	2 1/4	5		21
							22
							23
		ONE-3B4					24
1		W12x35	14	4 7/8	505		25
1	2B13	L3x3x5/16	0	5 1/2	3		26
1	3B13				5		27
2	2C9	L4x3x5/16	0	5 1/2	8		28
2	c				2		29
							30
							31
		6-3B5					32
		W14x22	17	10 3/4	2363		33
24	3C10				131		34
36	c				22		35
							36
							37
		2-3B6					38
2		W10x12	4	10 5/8	118		39
8	2C10	L4x3x5/16	0	5 1/2	29		40
8	c				5		41
							42
							43
		2-3B7					44
2		W10x12	4	10 5/8	118		45
6	2C10				22		46
2	1C10	L4x3x5/16	0	2 1/2	4		47
2	b	3/4 A325 BOLT(S)	0	1 3/4	2		48
6	c				4		49
							50
							51
		2-3B8					52
2		W10x12	4	10 5/8	118		53
6	2C10				22		54
2	1C10				4		55
2	b				2		56
6	c				4		57
							58
							59
		4-3B9					60
4		W10x12	5	10 5/8	283		61
16	2C10				57		62
16	c				10		63
							64
							65
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							67
							68
							69
							70

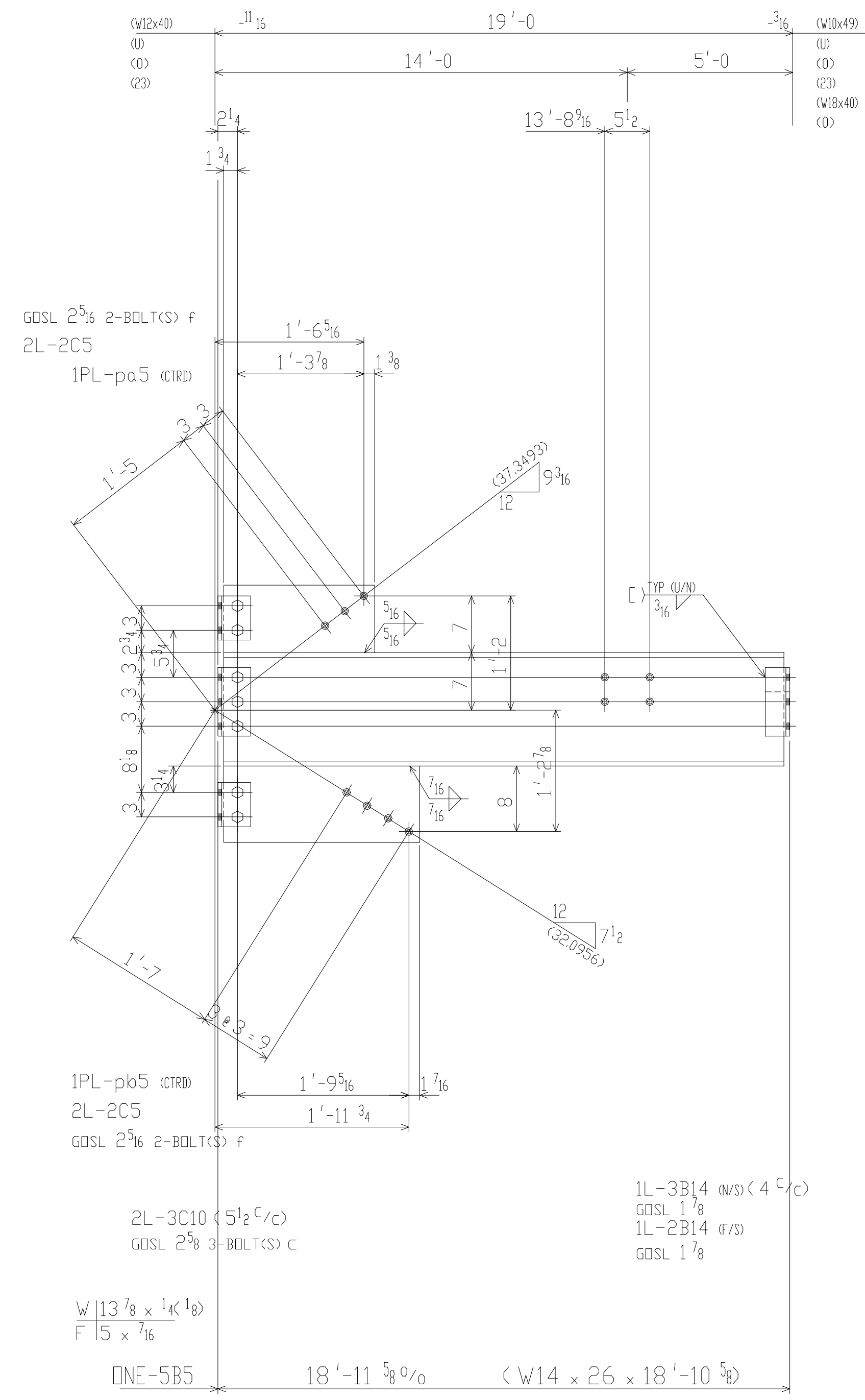
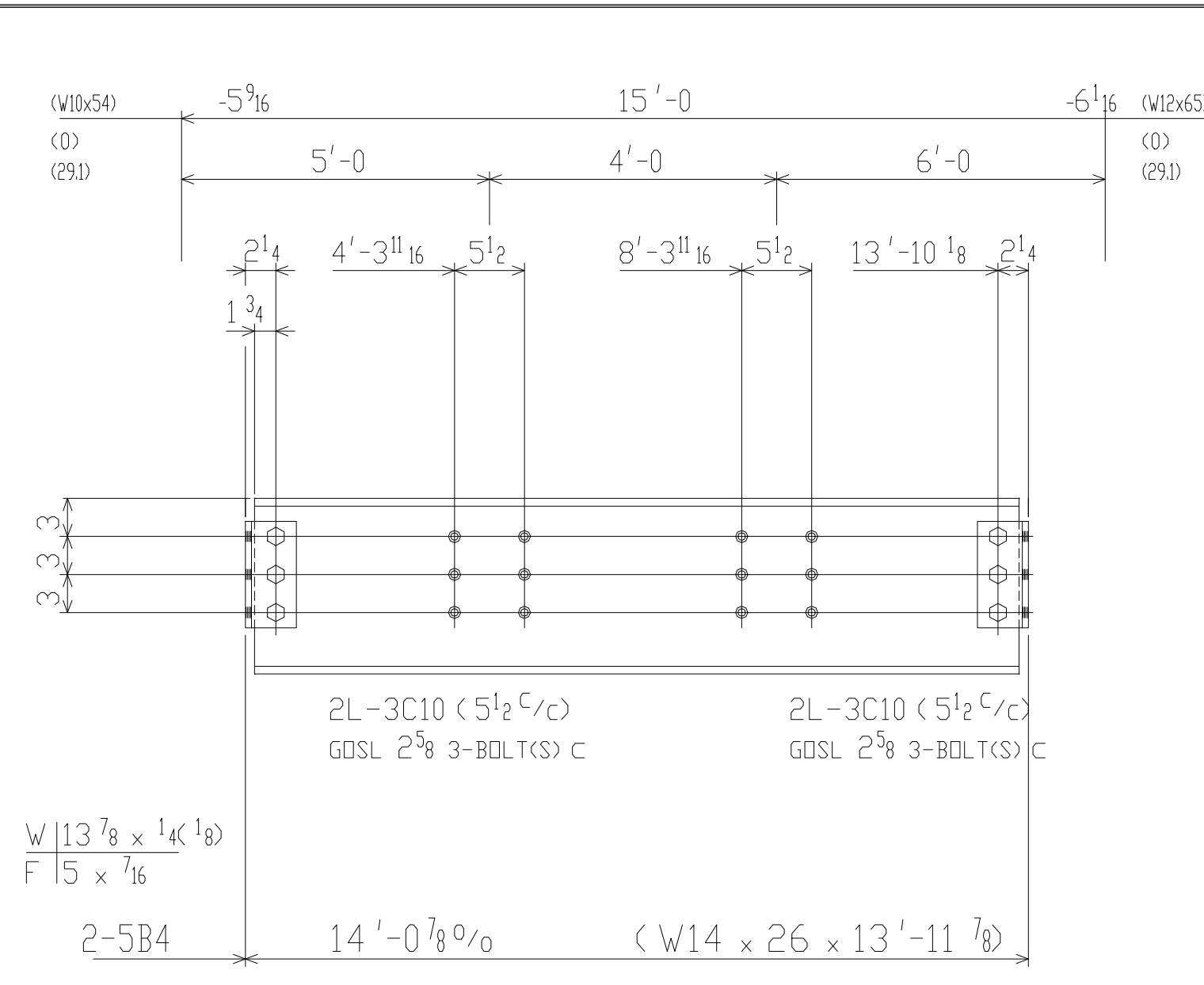
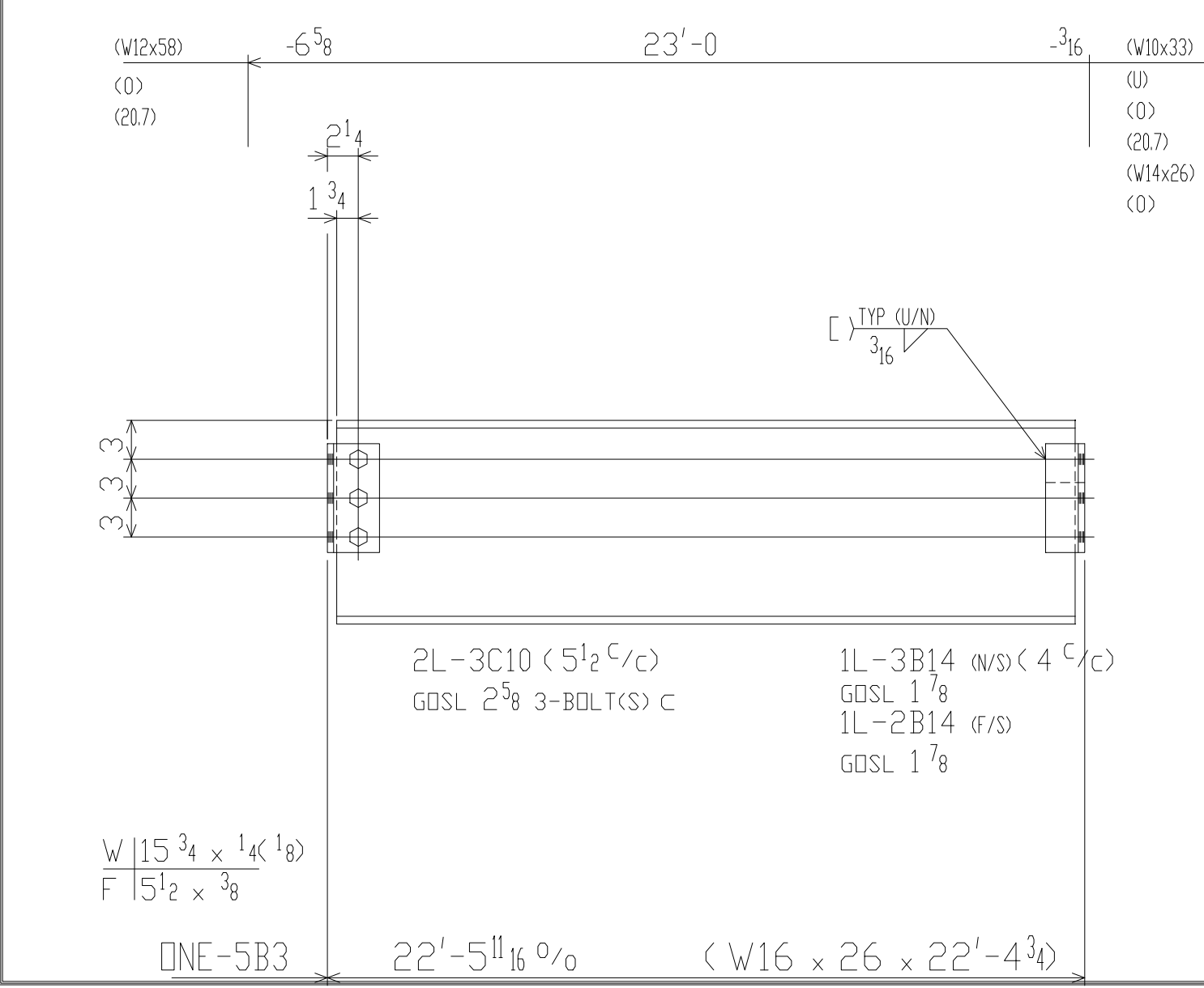
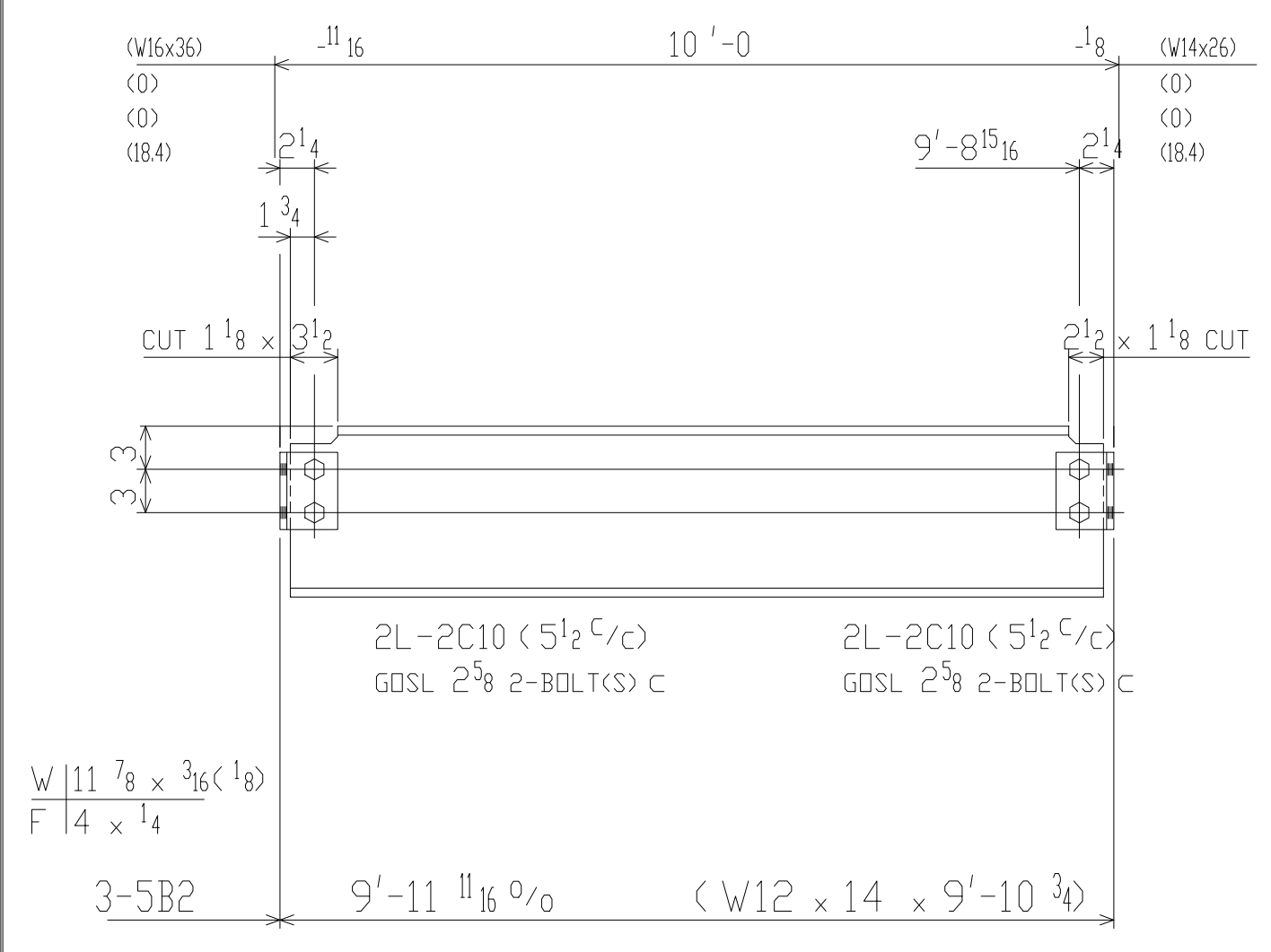
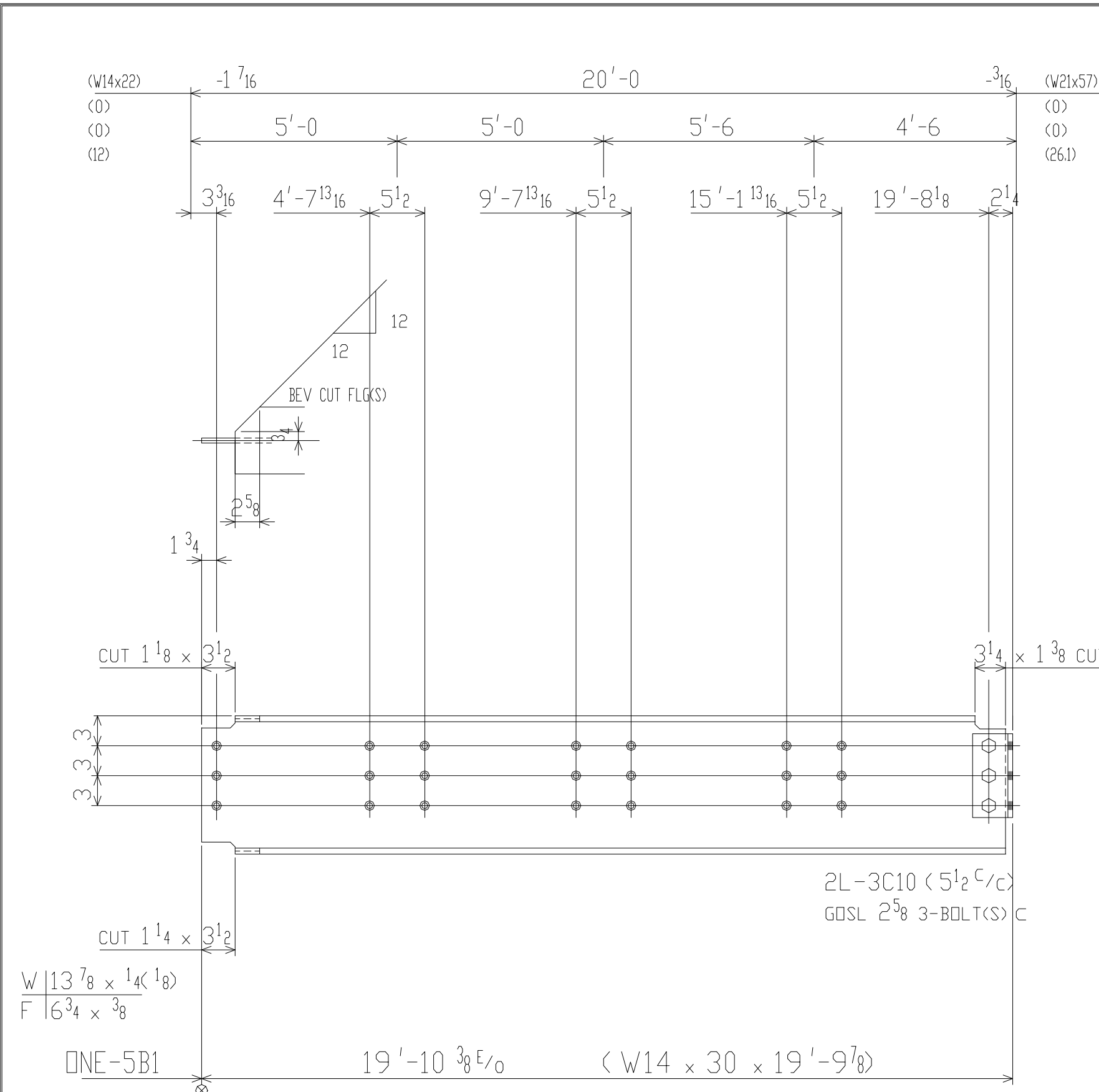
FIELD BOLTS	48	3/4 A325 x 1 3/4		
PAINT	1-CI PRIMER			
MATERIAL	A36 U/NOTED			
HOLES	13/16 U/NOTED			
ELECTRODES	E70XX			
TOTAL WEIGHT	7440	NO DATE	DESCRIPTION	NO DATE
DIAG. REF #		REVISIONS		

**STEELCAD CONSULTING CORP.**

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-16-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			3



BILL OF MATERIAL							
QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
							1
		ONE-4B1					2
1		W12x26	14	10 3/4	388		3
3	2C10	L4x3x5/16	0	5 1/2	11		4
1	3C10	L4x3x5/16	0	8 1/2	6		5
1	b	3/4 A325 BOLT(S)	0	1 3/4	1		6
4	c	3/4 A325 BOLT(S)	0	2	3		7
							8
							9
		2-4B2					10
2		W10x19	8	0 5/8	306		11
2	hb4	PL 3x5 1/2	0	8 3/8	10	BENT	12
2	ha4	PL 3x5 1/2	0	8 3/8	10	BENT	13
4	d	3/4 A325 BOLT(S)	0	2 1/4	3		14
							15
							16
		ONE-4B3					17
1		W16x36	22	0 7/8	795		18
4	3C9	L4x3x5/16	0	8 1/2	22		19
6	c				4		20
							21
							22
		2-4B4					23
2		W16x36	25	10 3/4	1865		24
8	3C9				44		25
12	c				8		26
							27
							28
		2-4B5					29
2		W16x36	25	10 3/4	1865		30
8	3C9				44		31
12	c				8		32
							33
							34
		ONE-4B6					35
1		W14x30	16	10 1/2	507		36
2	3C10				11		37
1	hd4	PL 3x8 3/8	0	8 1/2	8	BENT	38
1	hc4	PL 3x8 3/8	0	8 1/2	8	BENT	39
3	c				2		40
3	d				2		41
							42
							43
		ONE-4B7					44
1		W14x30	16	9 7/8	505		45
2	3C10				11		46
3	c				2		47
							48
							49
		ONE-4B8					50
1		W14x30	19	10 1/2	597		51
1	hd4				8	BENT	52
1	hc4				8	BENT	53
2	3C10				11		54
3	c				2		55
3	d				2		56
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FIELD BOLTS		34	3/4	A325 x 1 3/4			
PAINT		1-CT PRIMER					
MATERIAL		A36 U/NOTED					
HOLES		13/16 U/NOTED					
ELECTRODES		E70XX					
TOTAL WEIGHT		7063					
DIAG. REF #							
REVISIONS							
STEELCAD CONSULTING CORP.							
DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO		EXAM		
DATE	03-16-2001						
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO		4		
DATE							



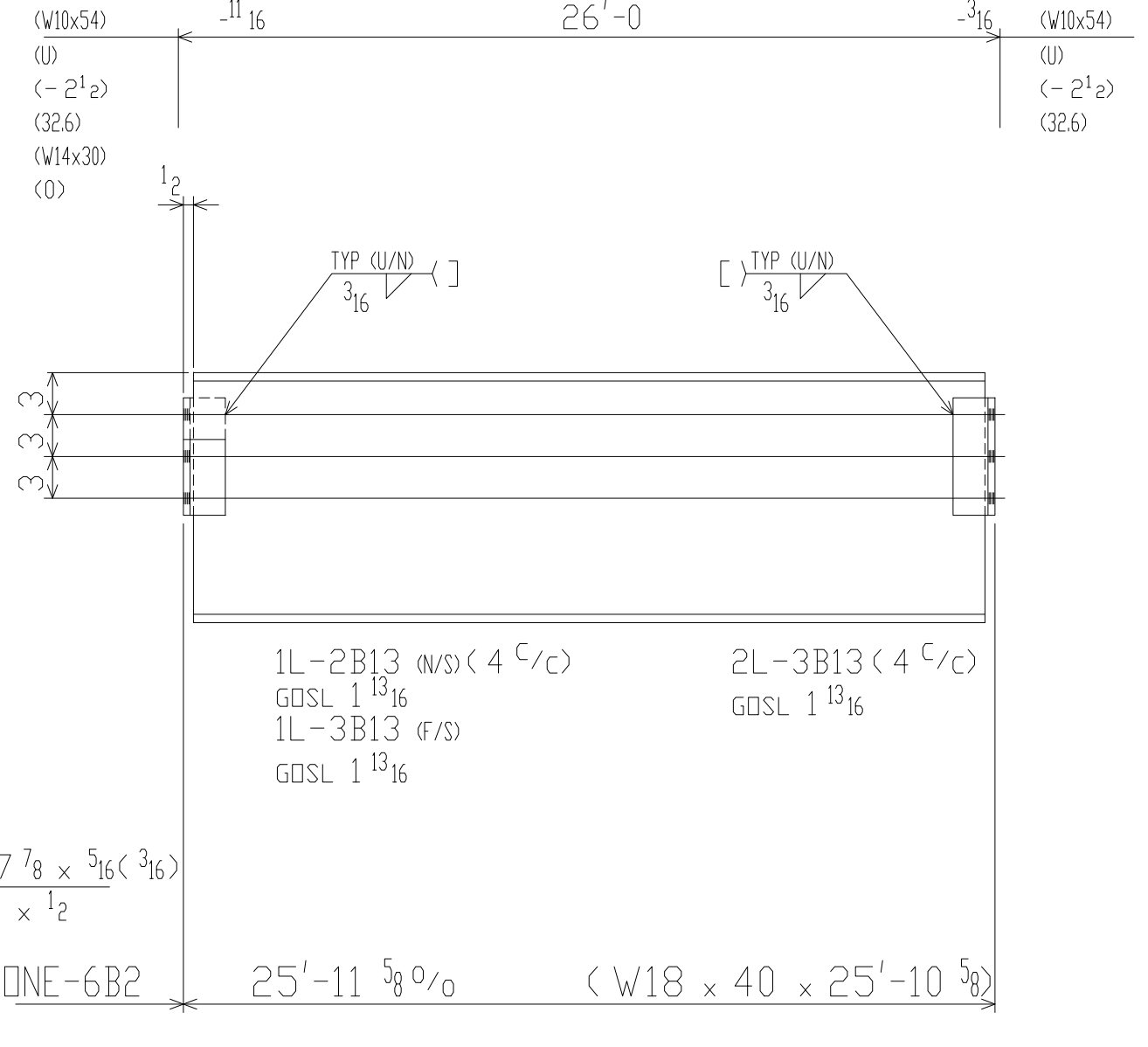
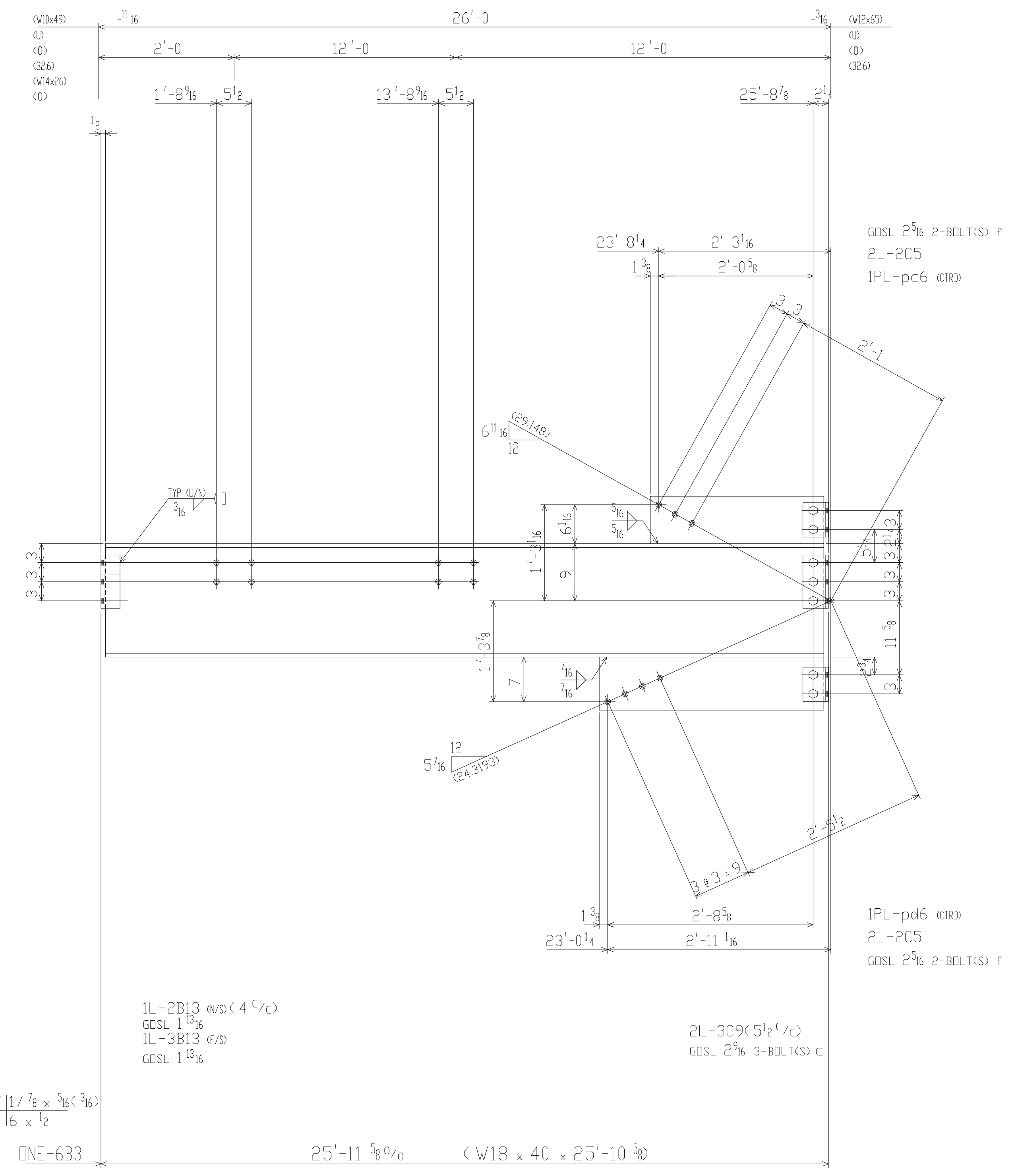
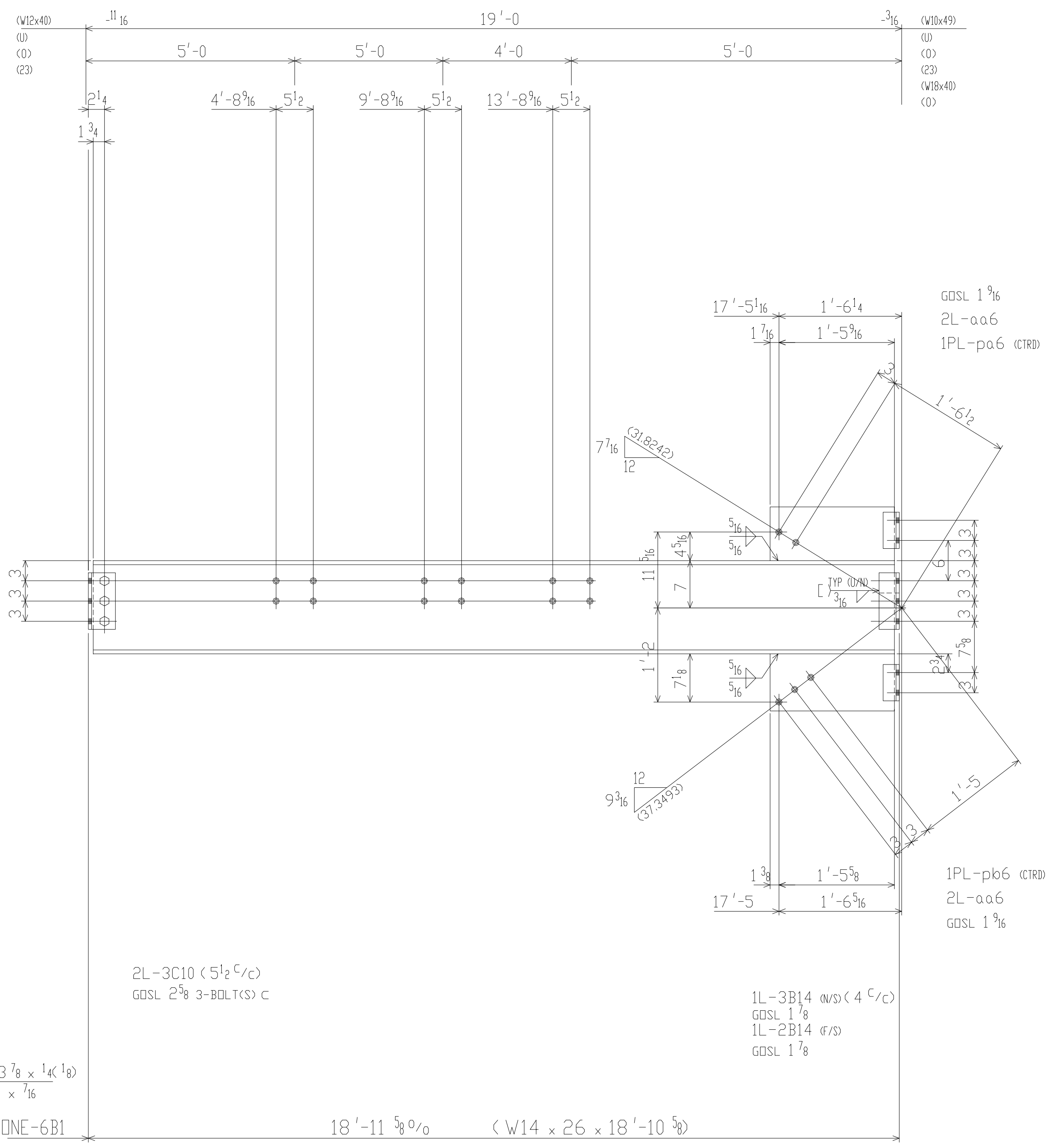
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
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		ONE-5B1					1
							2
1		W14x30	19	9 7/8	595		3
2	3C10	L4x3x5/16	0	8 1/2	11		4
3	c	3/4 A325 BOLT(S)	0	2	2		5
							6
							7
		3-5B2					8
3		W12x14	9	10 3/4	416		9
12	2C10	L4x3x5/16	0	5 1/2	43		10
12	c			8			11
							12
							13
		ONE-5B3					14
1		W16x26	22	4 3/4	583		15
2	3C10			11			16
1	3B14	L3x3x5/16	0	8 1/2	5		17
1	2B14	L3x3x5/16	0	5 1/2	3		18
3	c			2			19
							20
		2-5B4					21
2		W14x26	13	11 7/8	728		22
8	3C10			44			23
12	c			8			24
							25
							26
							27
		ONE-5B5					28
1		W14x26	18	10 5/8	492		29
2	3C10			11			30
1	3B14			5			31
1	2B14			3			32
4	2C5	L4x3x5/16	0	5 1/2	15		33
1	pb5	PL 7x8x1/4	1	7	39		34
1	pb5	PL 7x9x1/4	2	0 1/2	57		35
3	c			2			36
4	f	3/4 A325 BOLT(S)	0	2 3/4	3		37
							38
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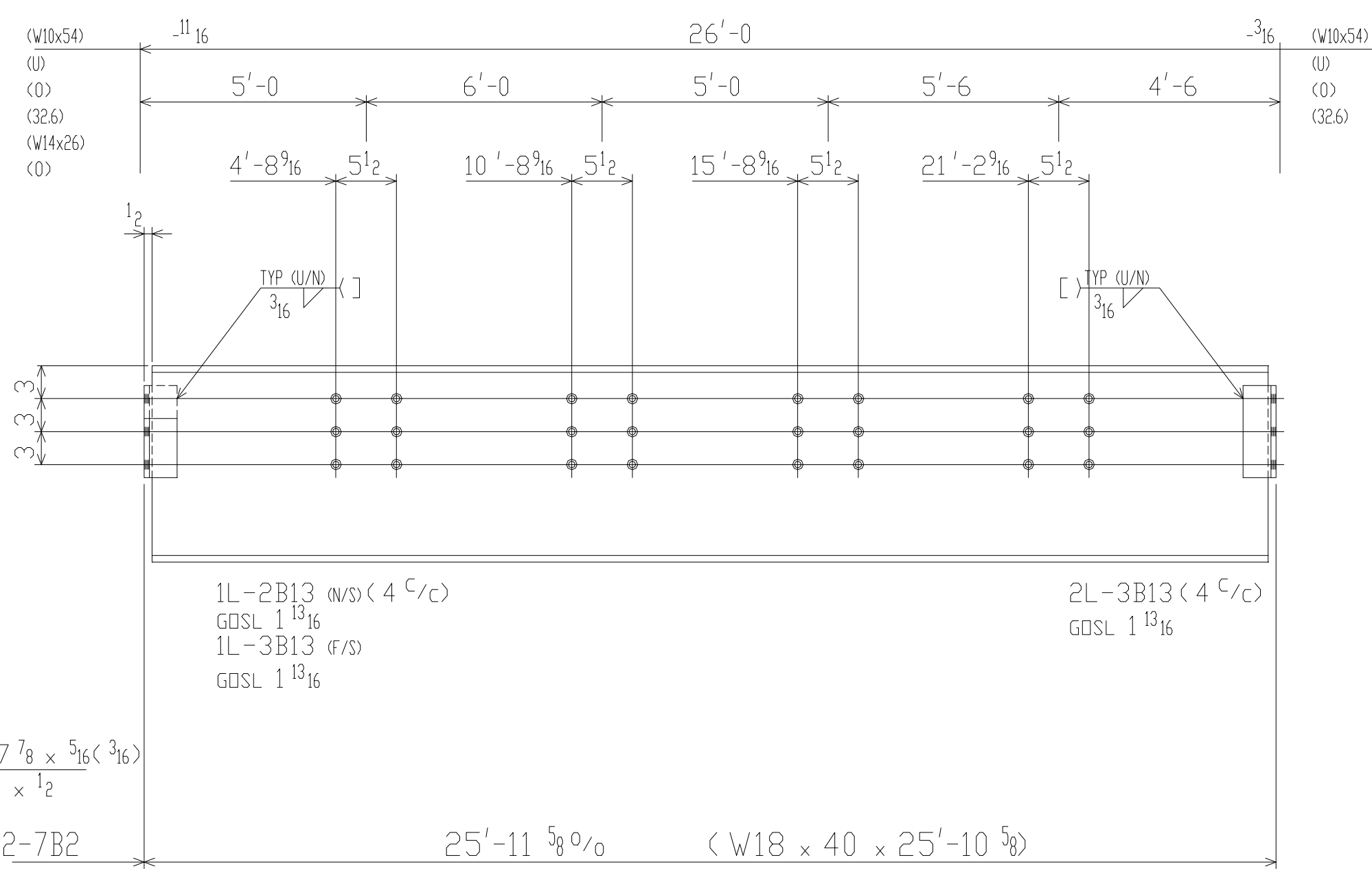
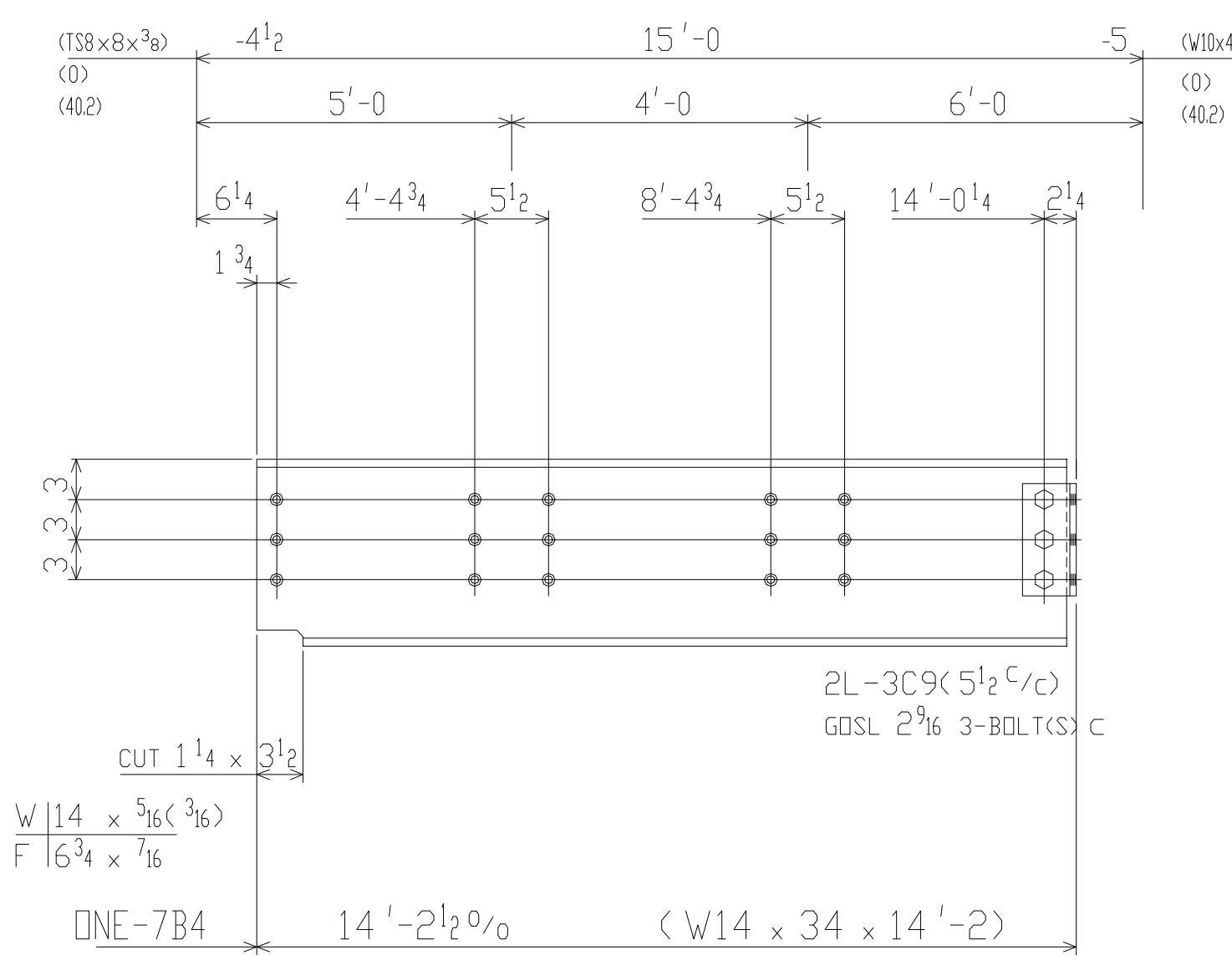
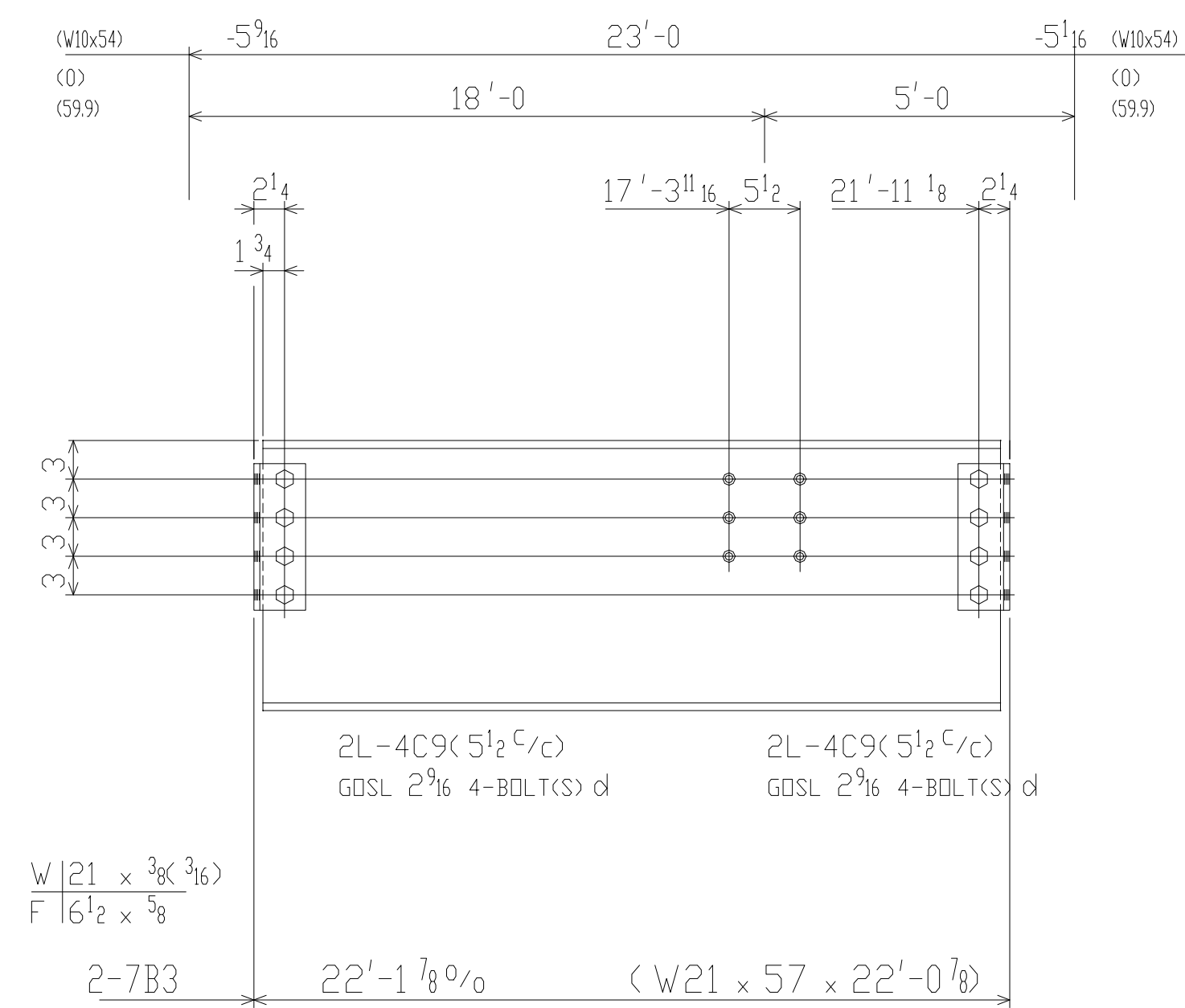
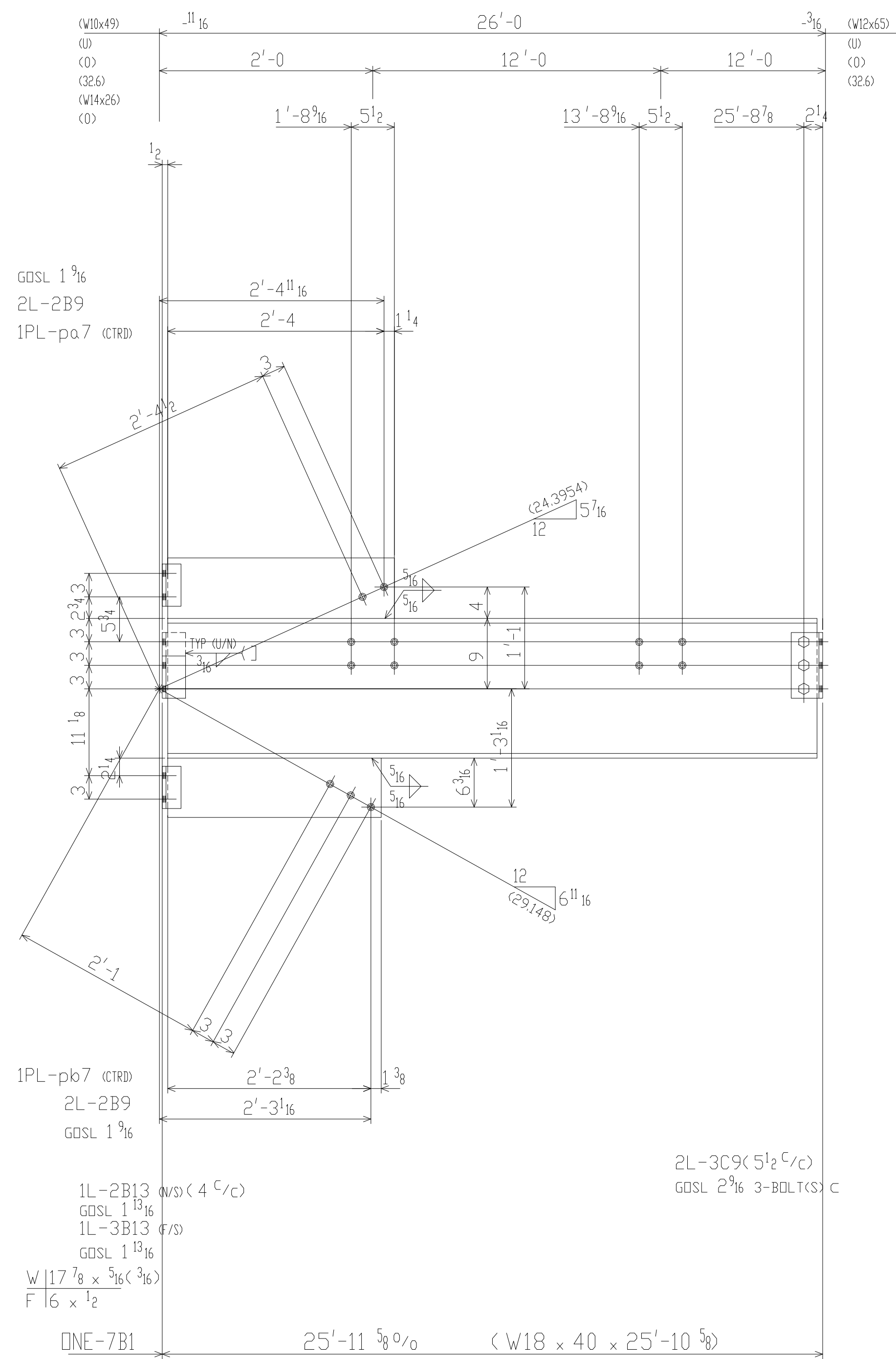
FIELD BOLTS	46	3/4 A325 x 1 3/4	7	3/4 A325 x 2 3/4
PAINT 1-CT PRIMER				
MATERIAL A36 U/NOTED				
HOLES 13/16 U/NOTED				
ELECTRODES E70XX				
TOTAL WEIGHT	3075	NO	DATE	DESCRIPTION
DIAG. REF #		NO	DATE	DESCRIPTION

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE 03-15-2001	STRUCTURE	SAMPLE STRUCTURE	EXAM
CHECKED			DWG NO
DATE			5



BILL OF MATERIAL							
QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
		ONE-6B1					1
		W14x26	18	10 5/8	492		2
1		W14x26	0	8 1/2	11		3
2	3C10	L4x3x5/16	0	8 1/2	5		4
1	3B14	L3x3x5/16	0	5 1/2	3		5
1	2B14	L3x3x5/16	0	5 1/2	12		6
4	a06	L3x3x5/16	0	5 1/2	38		7
1	pd6	PL 7x8	1	7	41		8
1	pb6	PL 7x8 1/2	1	7	41		9
3	c	3/4 A325 BOLT(S)	0	2	2		10
		ONE-6B2					11
		W18x40	25	10 5/8	1036		12
1		W18x40	0	5 1/2	3		13
1	2B13	L3x3x5/16	0	8 1/2	13		14
3	3B13	L3x3x5/16	0	8 1/2	3		15
		ONE-6B3					16
		W18x40	25	10 5/8	1036		17
1		W18x40	0	5 1/2	3		18
1	2B13	L3x3x5/16	0	8 1/2	11		19
1	3B13	L3x3x5/16	0	5 1/2	15		20
2	3C9	L4x3x5/16	0	3 3/4	52		21
4	2C5	PL 7x7 1/2	2	11 3/4	74		22
1	pc6	PL 7x8 1/2	2	11 3/4	2		23
1	pd6	PL 7x8 1/4	2	11 3/4	2		24
3	c	3/4 A325 BOLT(S)	0	2 3/4	3		25
4	f	3/4 A325 BOLT(S)	0	2 3/4	3		26
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FIELD BOLTS		20	3/4	A325 x 1 3/4	12	3/4	A325 x 2 3/4
PAINT		1-CT PRIMER					
MATERIAL		A36 U/NOTED					
HOLES		13/16 U/NOTED					
ELECTRODES		E70XX					
TOTAL WEIGHT		2848					
DIAG. REF #							
REVISIONS							
STEELCAD CONSULTING CORP.							
DRAFTER	CUSTOMER	SAMPLE CONTRACT		CONTRACT NO		EXAM	
DATE	03-15-2001						
CHECKED	STRUCTURE	SAMPLE STRUCTURE		DWG NO		6	
DATE							



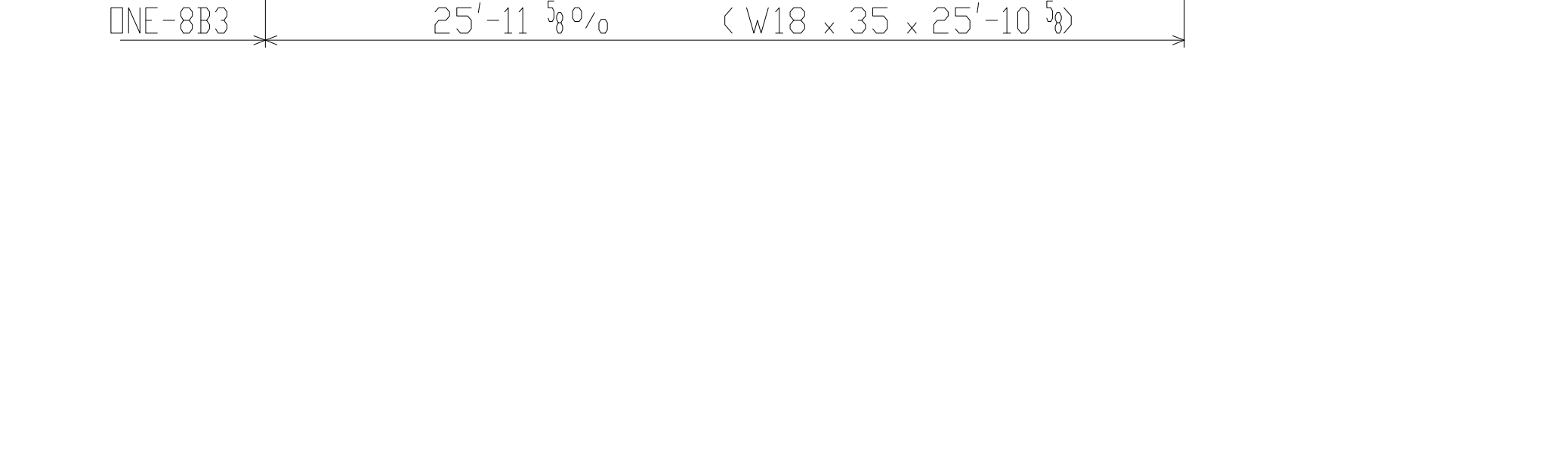
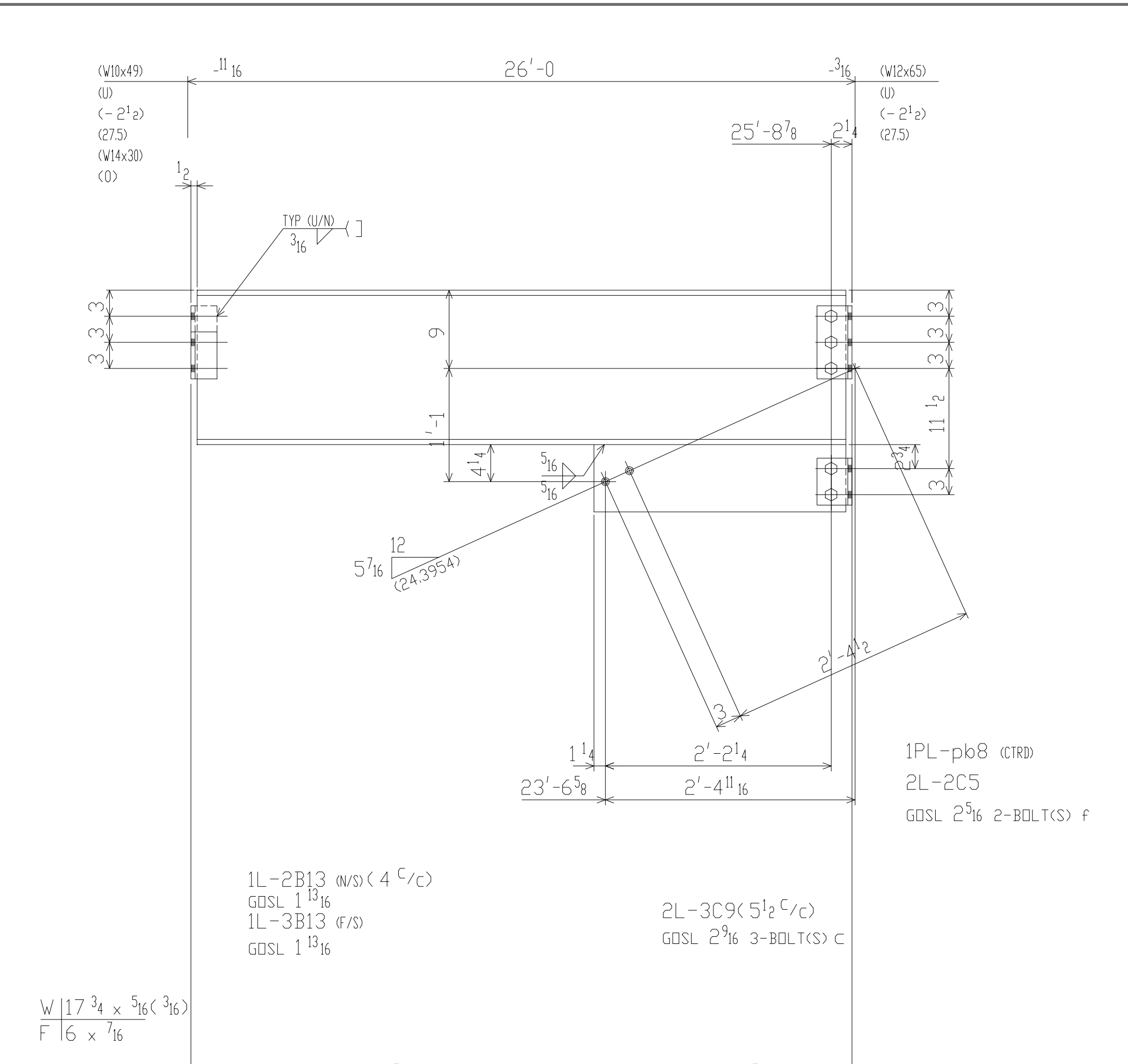
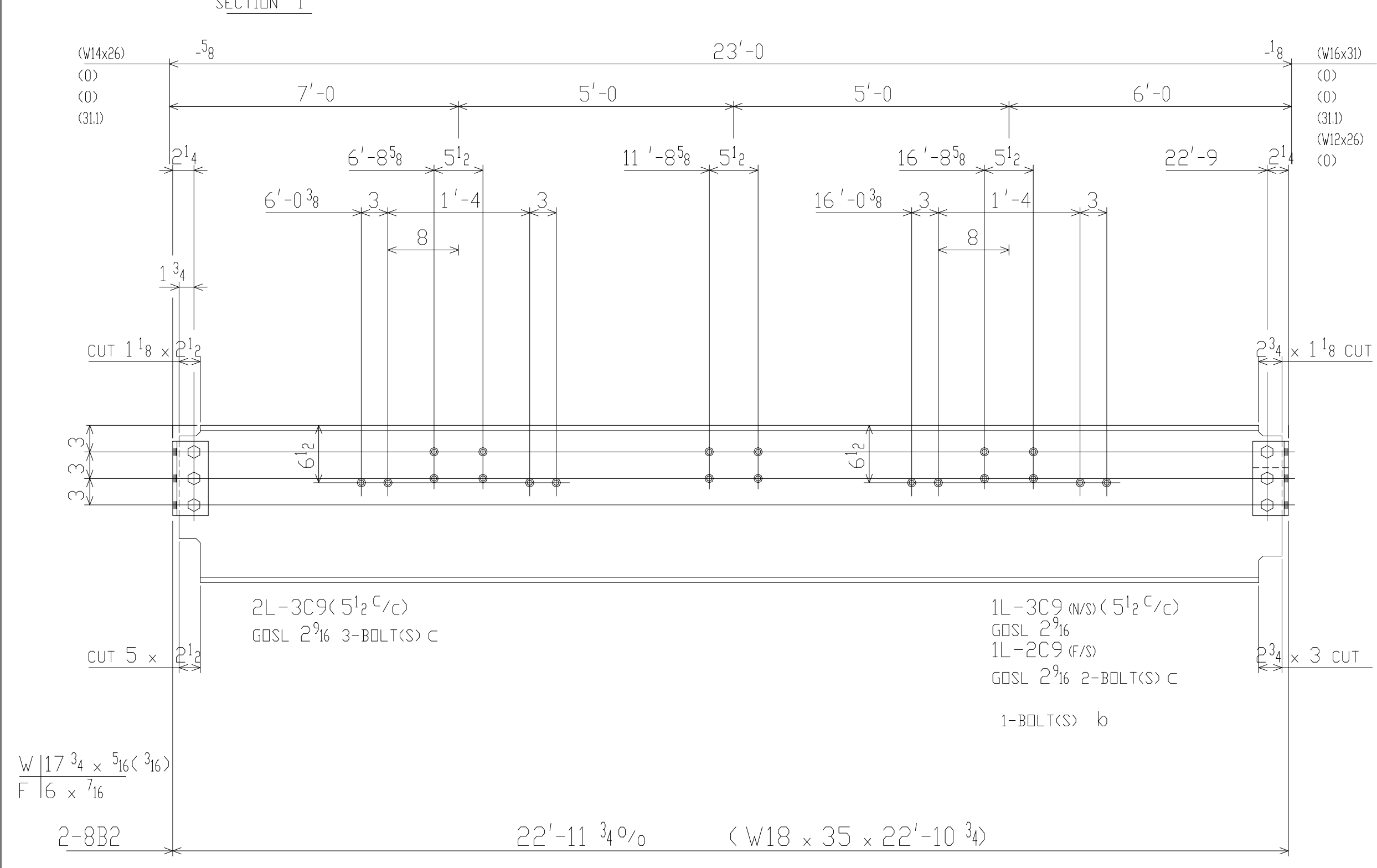
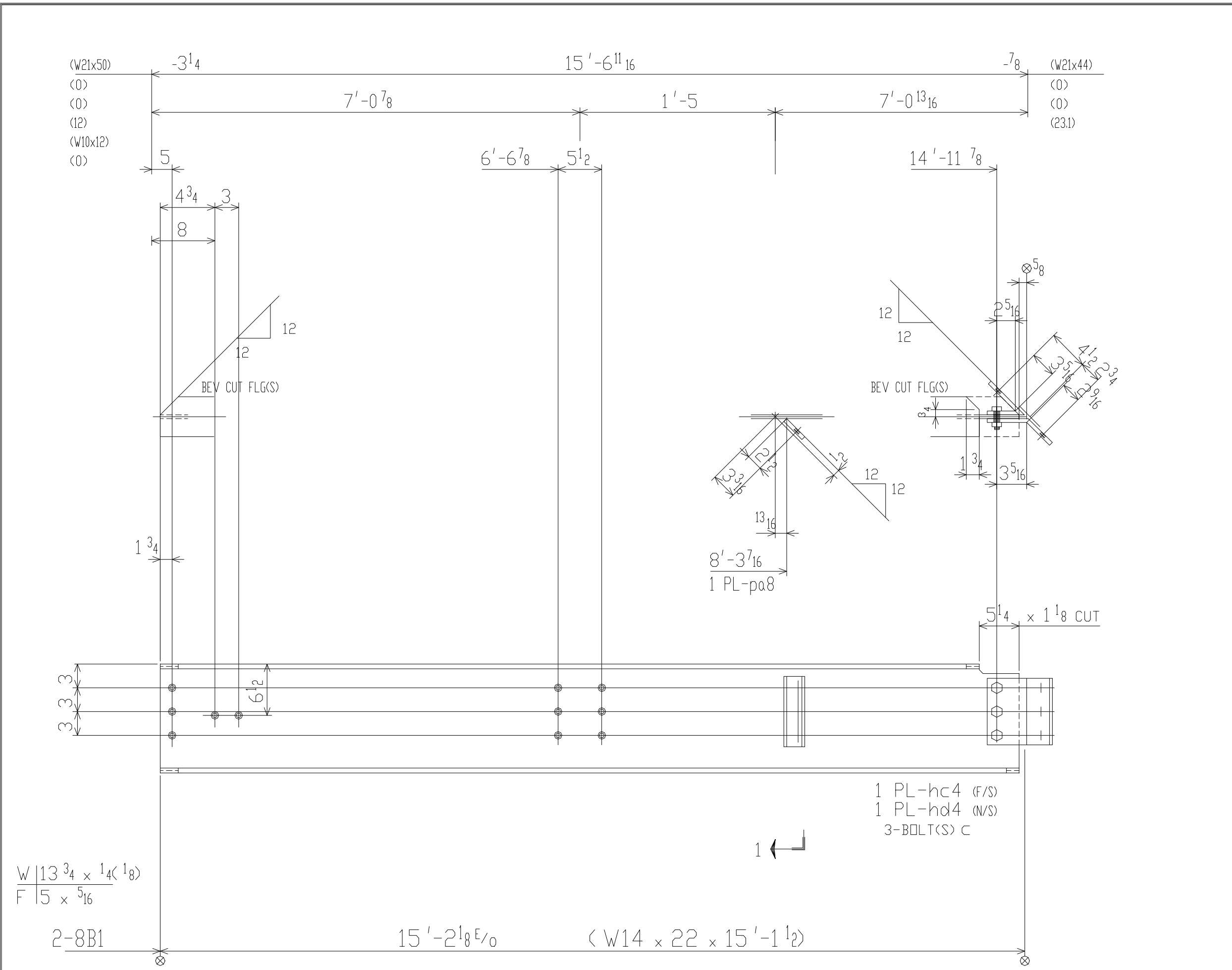
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
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		ONE-7B1					1
							2
1		W18x40	25	10 5/8	1036		3
1	2B13	L3x3x5/16	0	5 1/2	3		4
1	3B13	L3x3x5/16	0	8 1/2	5		5
2	3C9	L4x3 1/2x5/16	0	8 1/2	11		6
4	2B9	L3x3x5/16	0	5 1/2	12		7
1	pa7	PL 7/8x7 3/4	2	5 1/4	57		8
1	pb7	PL 7/8x7 1/2	2	3 3/4	52		9
3	c	3/4 A325 BOLT(S)	0	2	2		10
							11
							12
		2-7B2					13
2		W18x40	25	10 5/8	2071		14
2	2B13				6		15
6	3B13				26		16
							17
		2-7B3					18
2		W21x57	22	0 7/8	2517		19
8	4C9	L4x3 1/2x5/16	0	11 1/2	60		20
16	d	3/4 A325 BOLT(S)	0	2 1/4	10		21
							22
							23
							24
		ONE-7B4					25
1		W14x34	14	2	482		26
2	3C9				11		27
3	c				2		28
							29
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FIELD BOLTS	80	3/4 A325 x 1 3/4	5	3/4 A325 x 2 3/4
PAIN	1-CT PRIMER			
MATERIAL	A36 U/NOTED			
HOLE	13/16 U/NOTED			
ELECTRODES	E70XX			
TOTAL WEIGHT	6356	NO	DATE	DESCRIPTION
DIAG. REF #		NO	DATE	DESCRIPTION

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-15-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			7



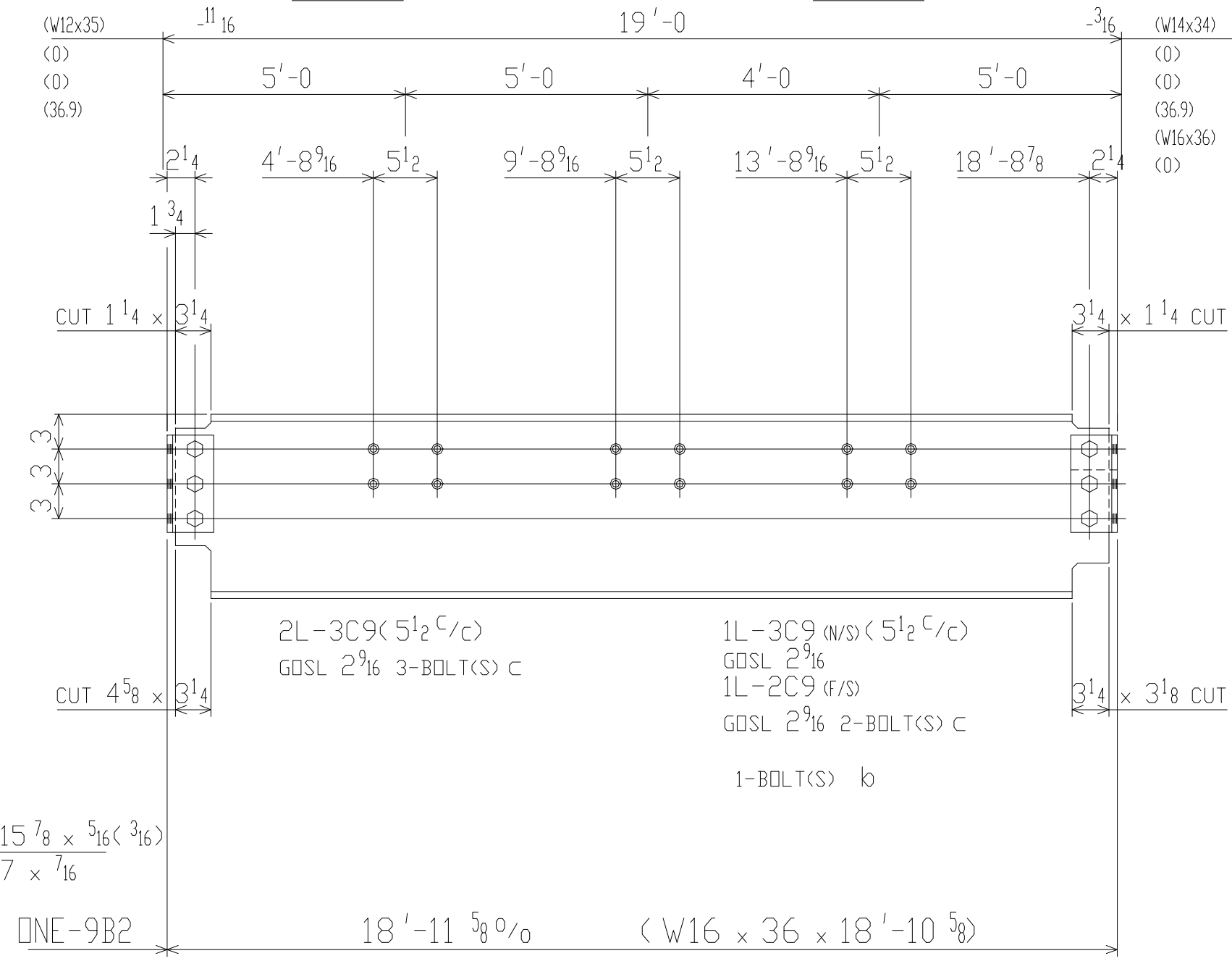
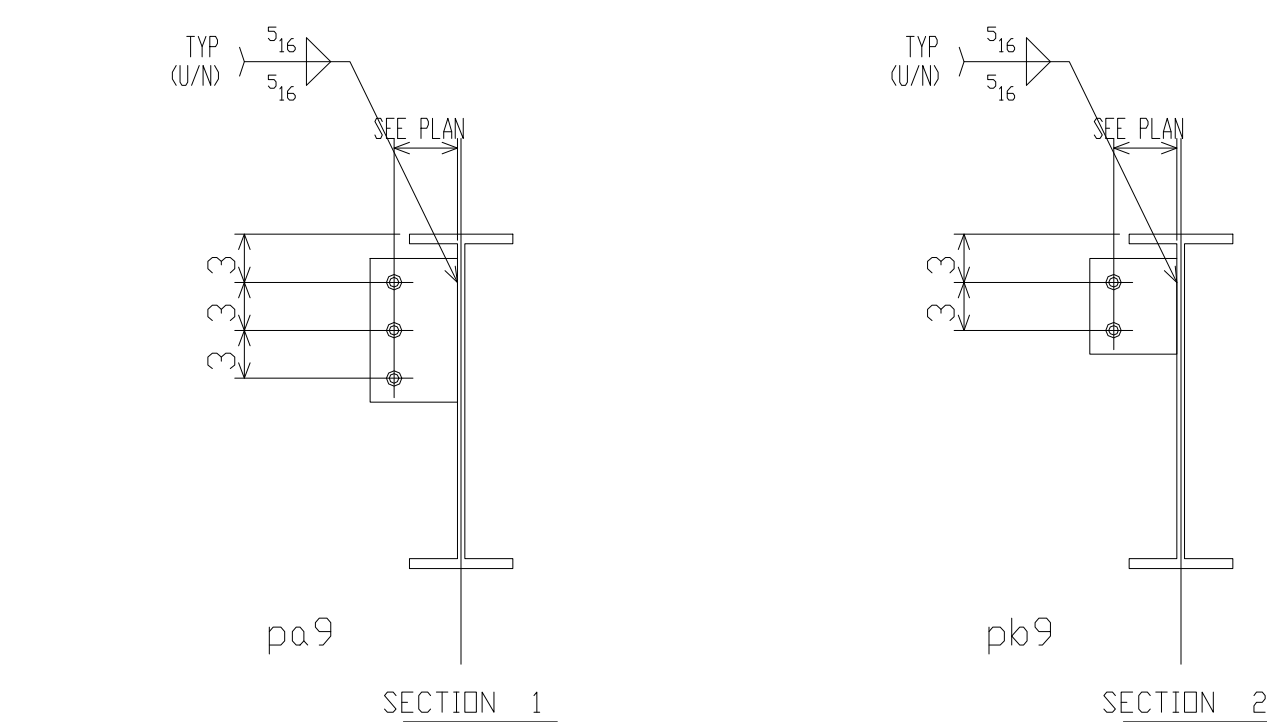
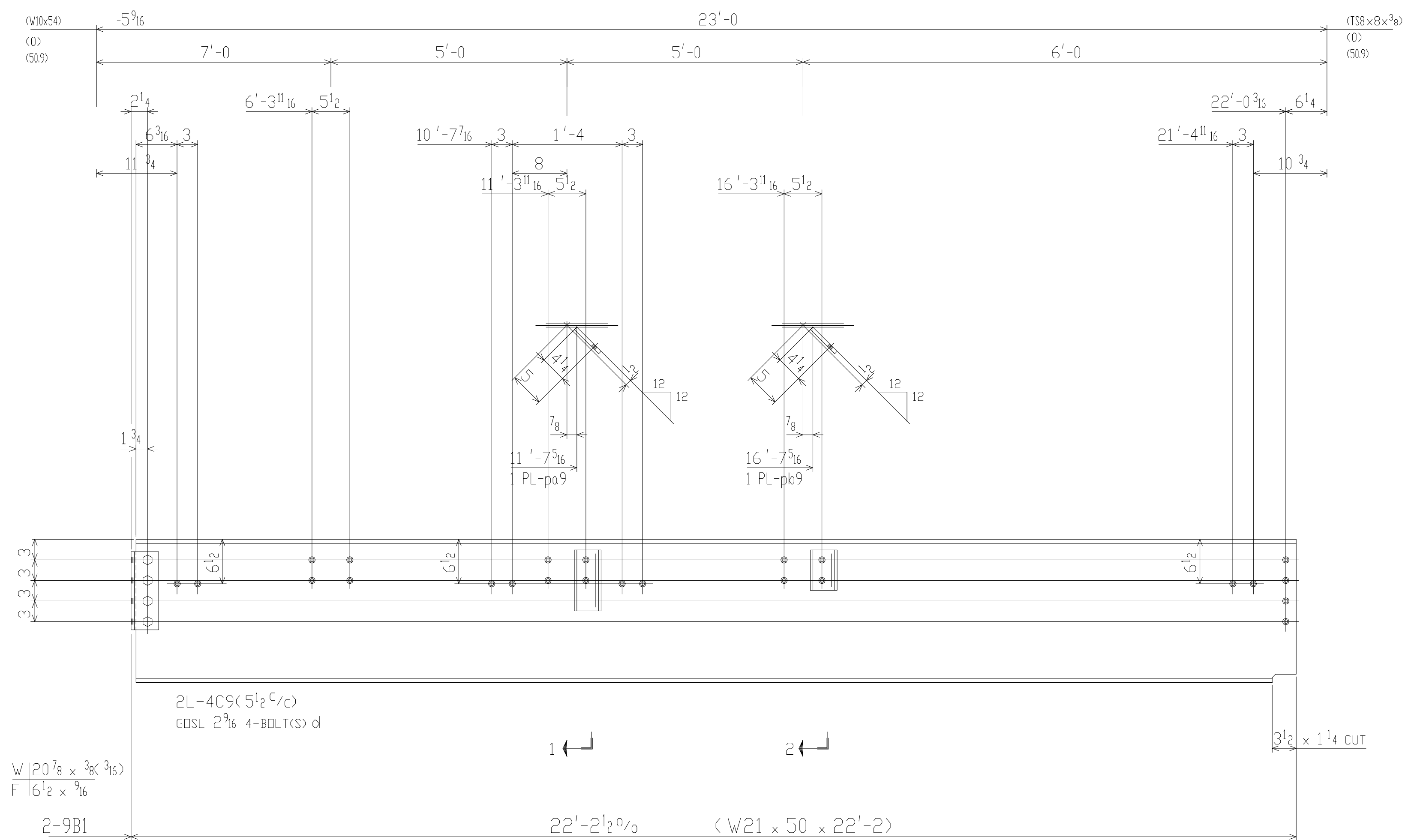
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
							1
		2-8B1					2
		W14x22	15	1 1/2	666		3
2	hd4	PL 3/8x8	0	8 1/2	16	BENT	4
2	hc4	PL 3/8x8	0	8 1/2	15	BENT	5
2	po8	PL 3/8x3 3/4	0	8 1/2	7		6
6	c	3/4 A325 BOLT(S)	0	2	4		7
							8
							9
		2-8B2					10
		W18x35	22	10 3/4	1603		11
2	3C9	L4x3 1/2x5/16	0	8 1/2	33		12
2	2C9	L4x3 1/2x5/16	0	5 1/2	8		13
2	b	3/4 A325 BOLT(S)	0	1 3/4	2		14
10	c				6		15
							16
							17
		ONE-8B3					18
		W18x35	25	10 5/8	906		19
1	2B13	L3x3x5/16	0	5 1/2	3		20
1	3B13	L3x3x5/16	0	8 1/2	5		21
2	3C9				11		22
2	2C5	L4x3 1/2x5/16	0	5 1/2	8		23
1	po8	PL 7/8x7 3/4	2	5 1/4	57		24
3	c				2		25
2	f	3/4 A325 BOLT(S)	0	2 3/4	2		26
							27
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FIELD BOLTS	82	3/4 A325 x 1 3/4	2	3/4 A325 x 2 3/4
PAINT 1-CT PRIMER				
MATERIAL A36 U/NOTED				
HOLES 13/16 U/NOTED				
ELECTRODES E70XX				
TOTAL WEIGHT	3345	NO	DATE	DESCRIPTION
DIAG. REF #		NO	DATE	DESCRIPTION

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE 03-16-2001	STRUCTURE	SAMPLE STRUCTURE	EXAM
CHECKED			DWG NO
DATE			8



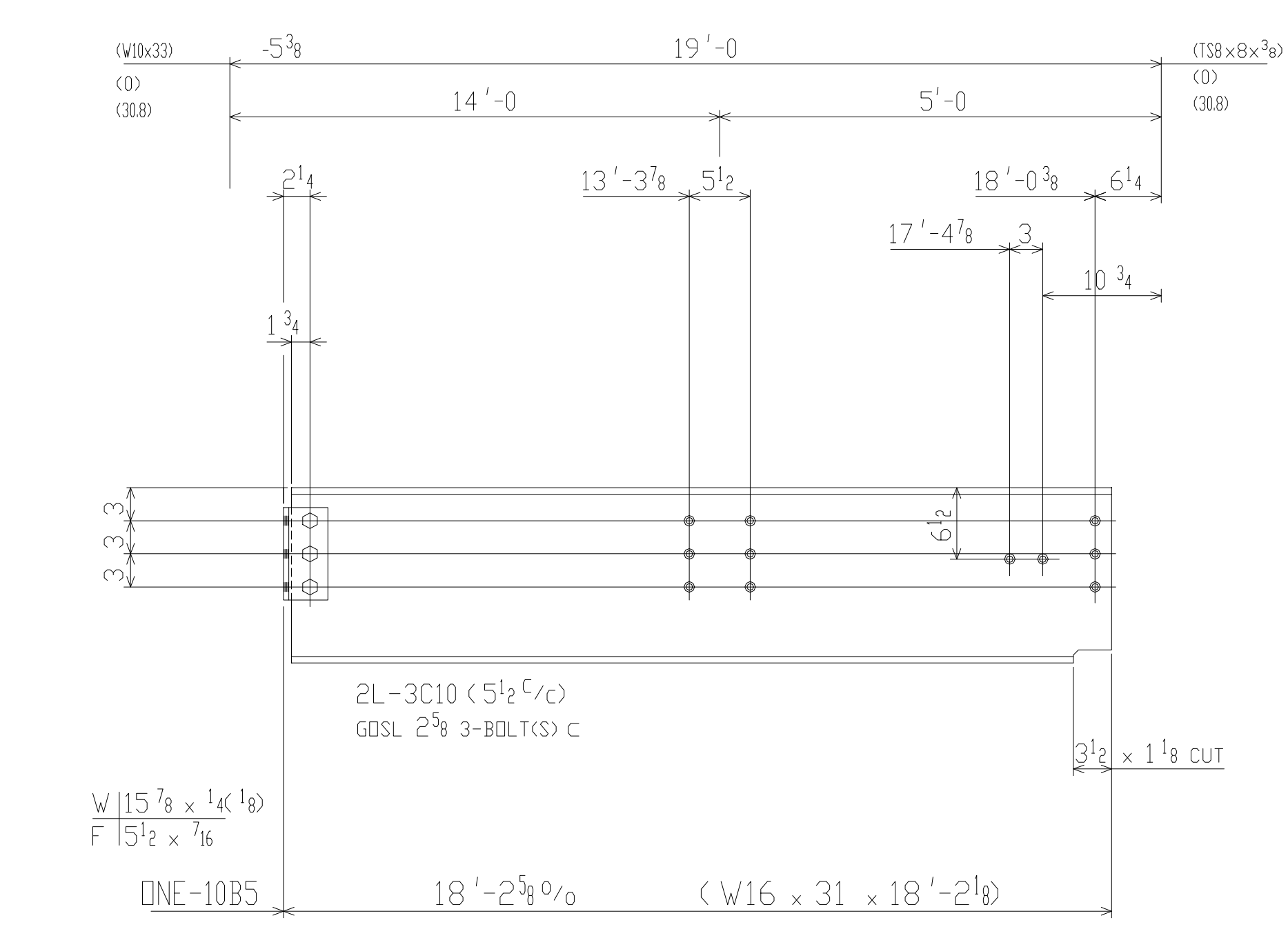
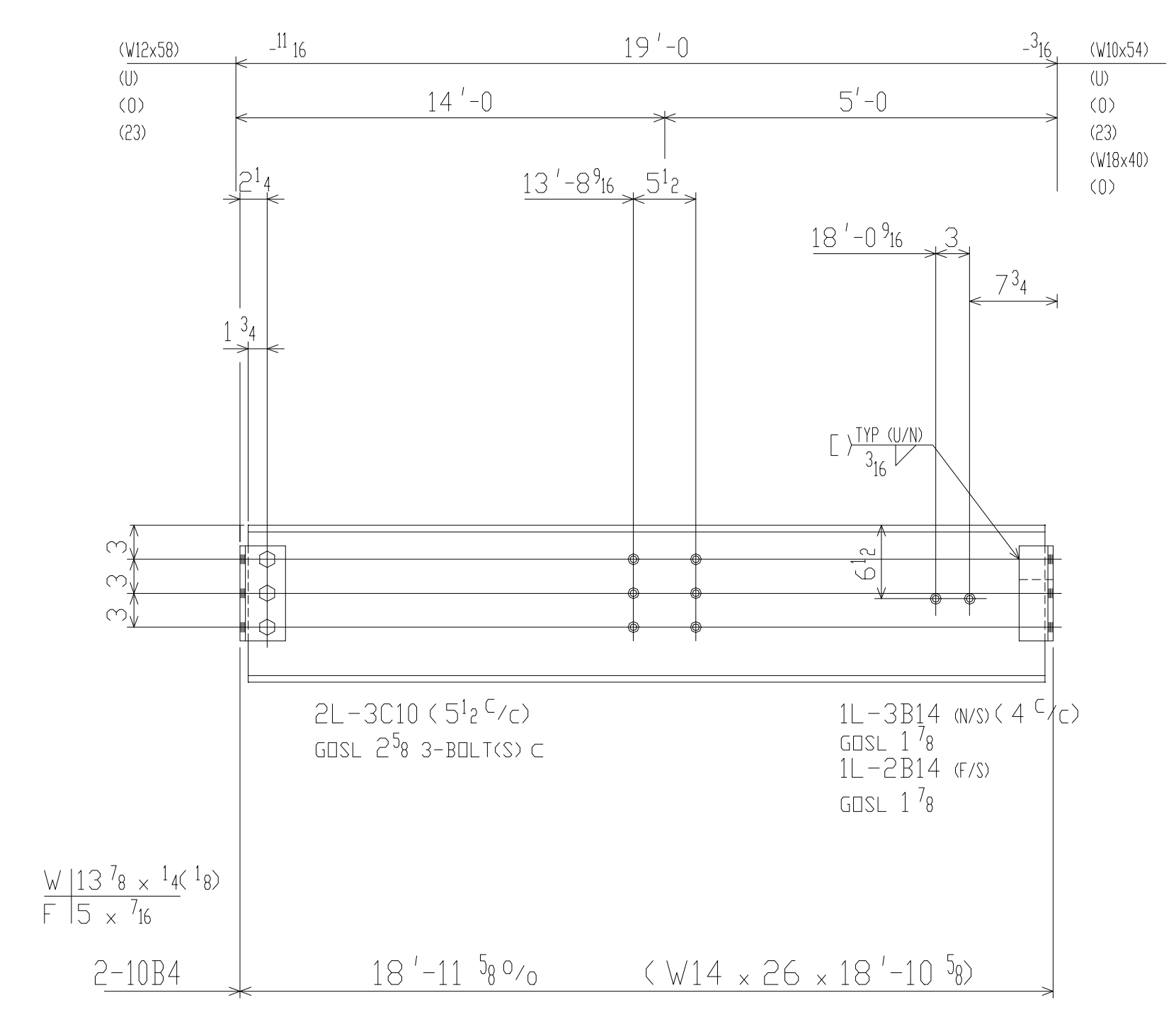
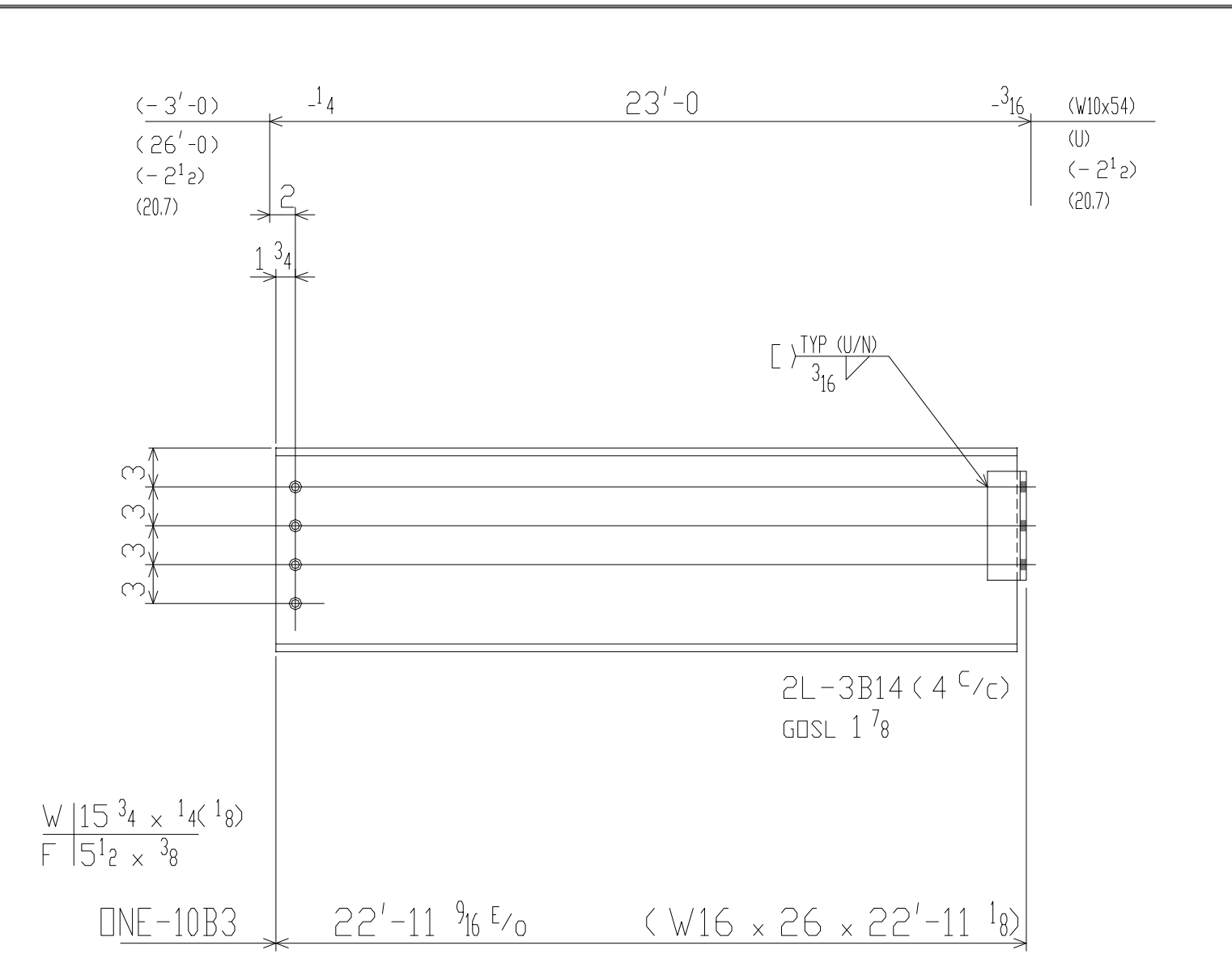
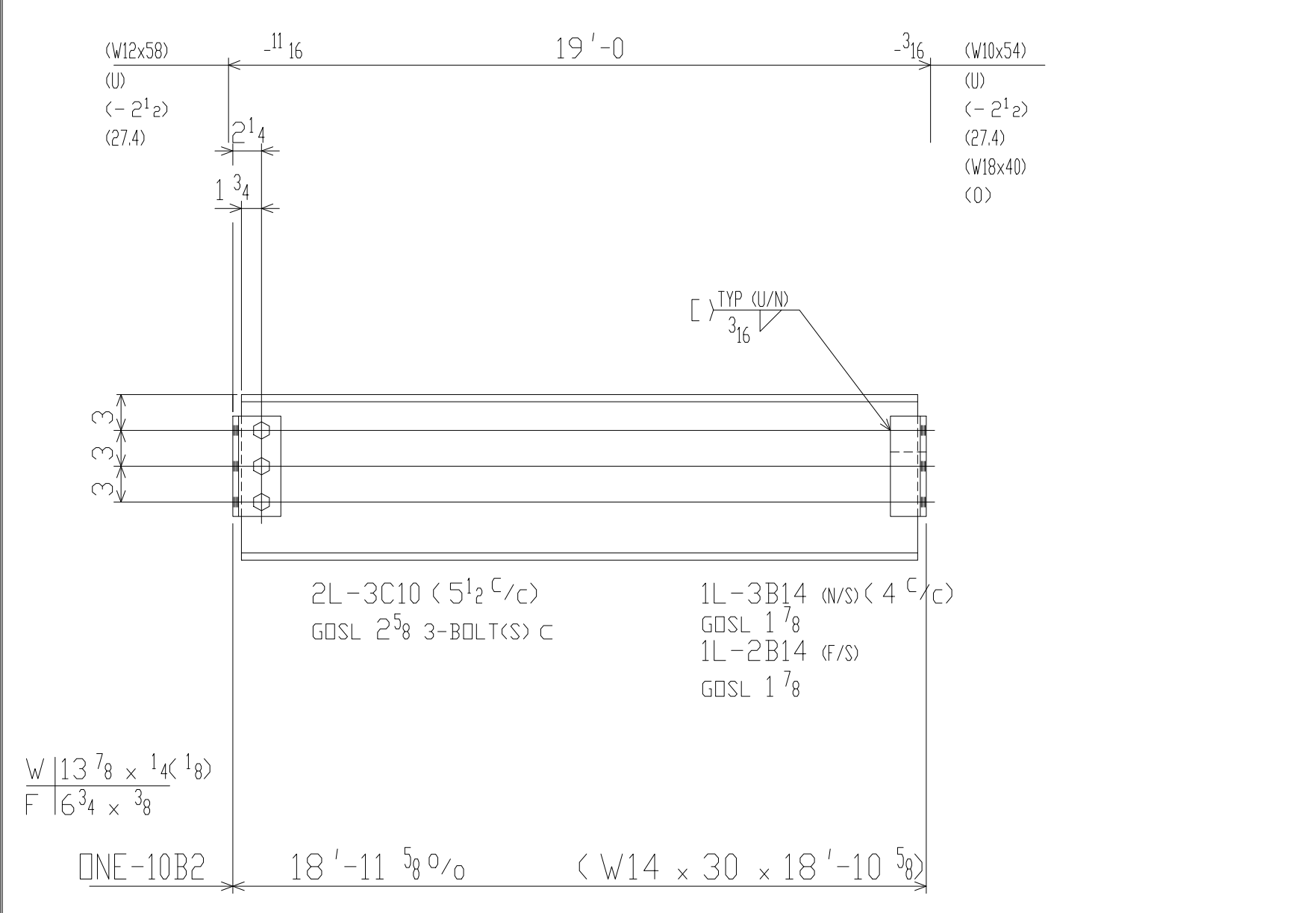
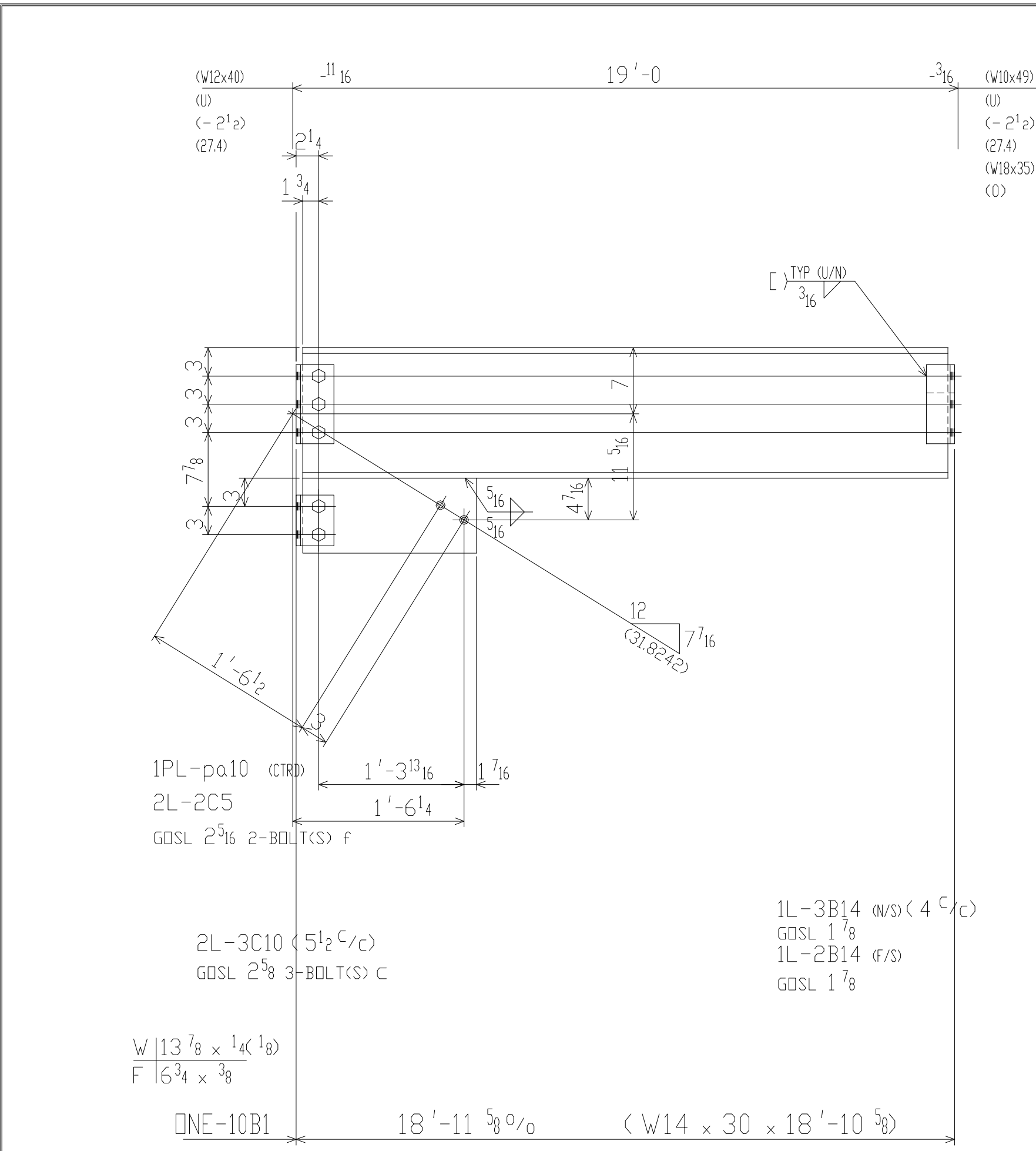
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
							1
		2-9B1					2
		W21x50	22	2	2217		3
4	4C9	L4x3 1/2 x 5/16	0	11 1/2	30		4
2	pb9	PL 3/8 x 5 1/2	0	8 1/2	10		5
2	pb9	PL 3/8 x 5 1/2	0	5 1/2	7		6
8	d	3/4 A325 BOLT(S)	0	2 1/4	5		7
							8
							9
		ONE-9B2					10
1		W16x36	18	10 3/8	680		11
3	3C9	L4x3 1/2 x 5/16	0	8 1/2	17		12
1	2C9	L4x3 1/2 x 5/16	0	5 1/2	4		13
1	b	3/4 A325 BOLT(S)	0	1 3/4	1		14
5	c	3/4 A325 BOLT(S)	0	2	3		15
							16
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FIELD BOLTS	78	3/4	A325	x 1 3/4
PAIN	1-CT PRIMER			
MATERIAL	A36 U/NOTED			
HOLE'S	13/16 U/NOTED			
ELECTRODES	E70XX			
TOTAL WEIGHT	2971	NO	DATE	DESCRIPTION
DIAG. REF #		NO	DATE	DESCRIPTION

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-16-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			9



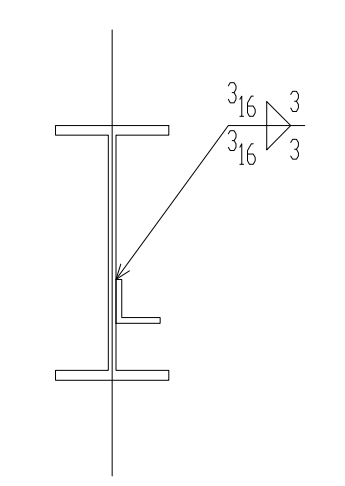
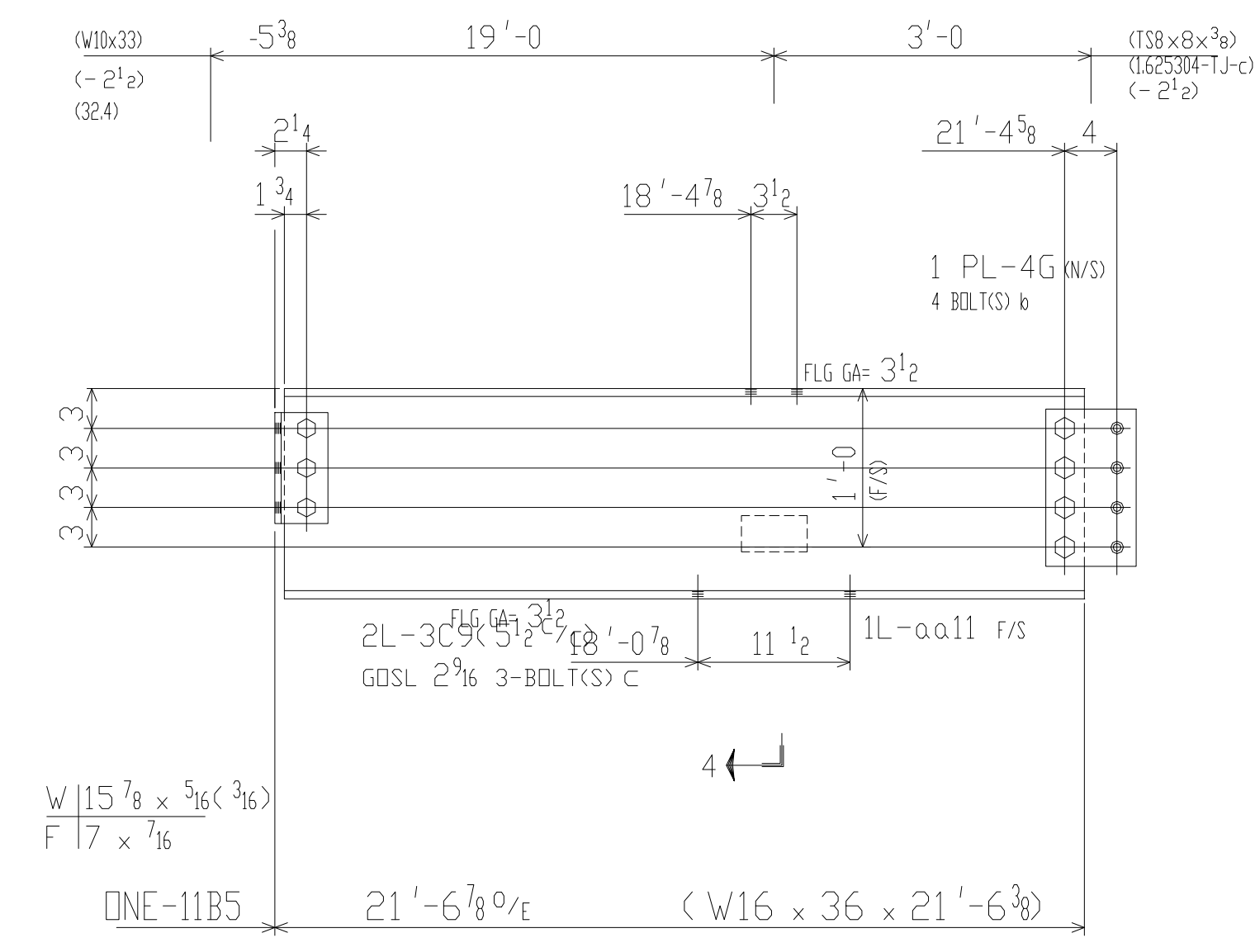
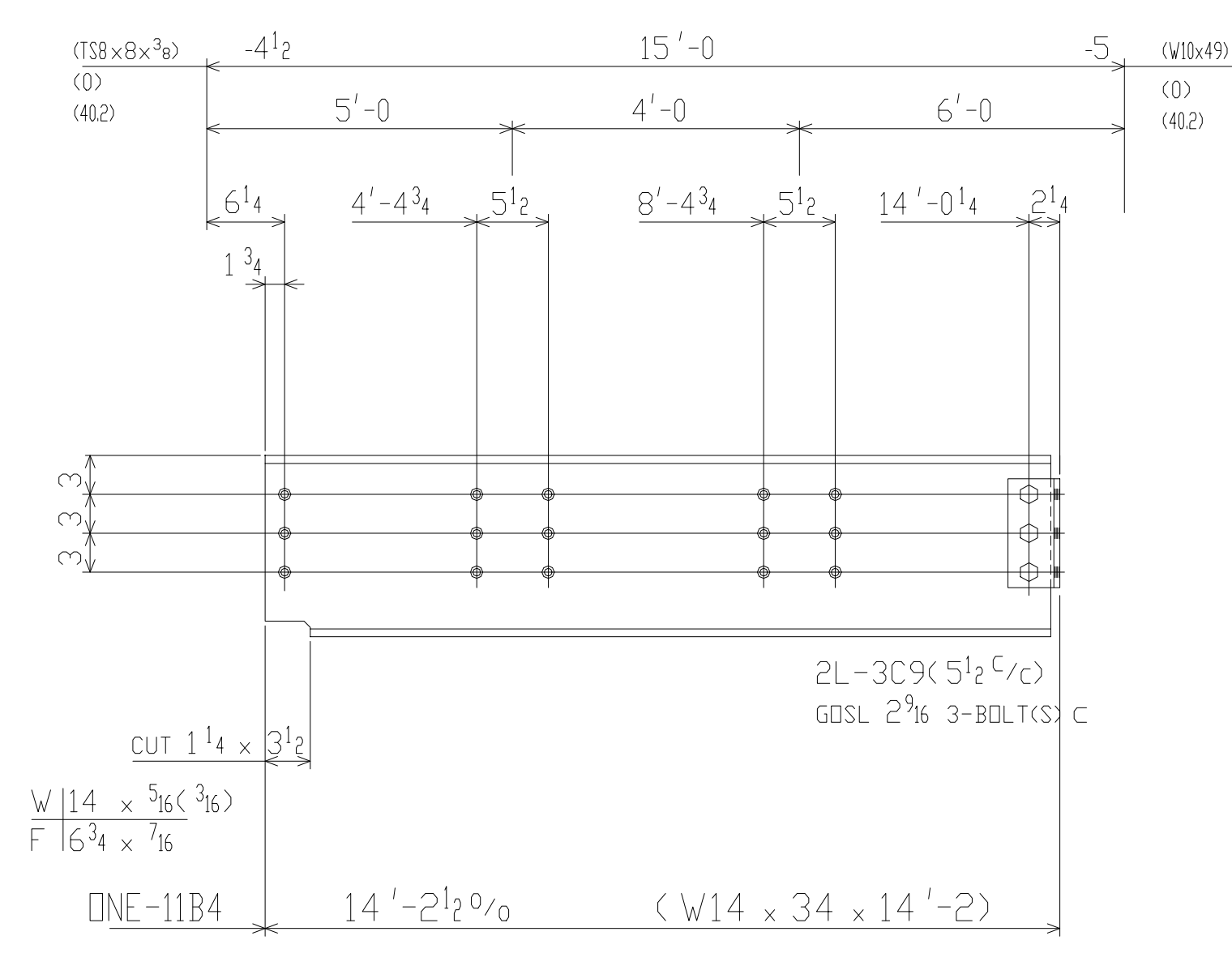
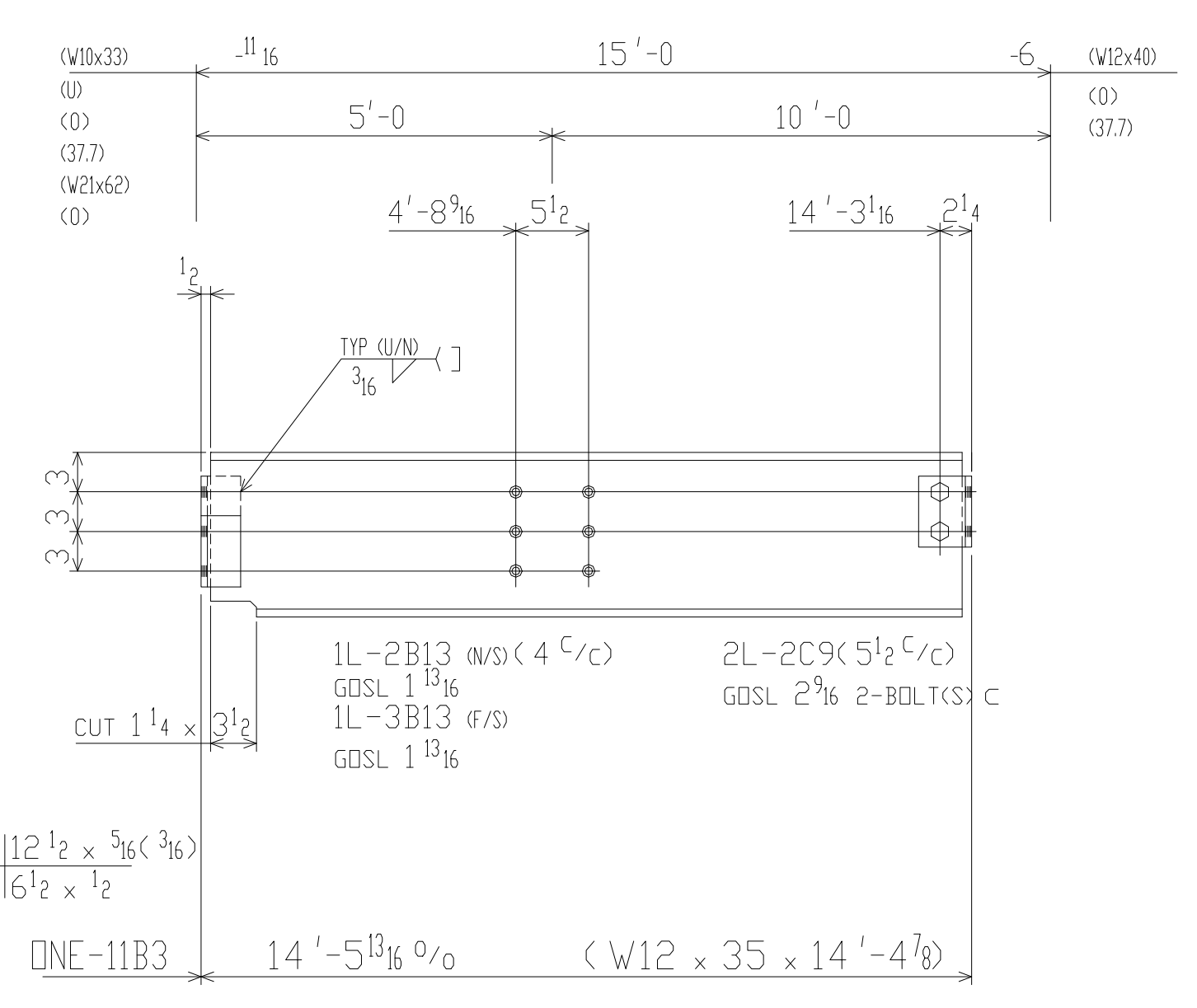
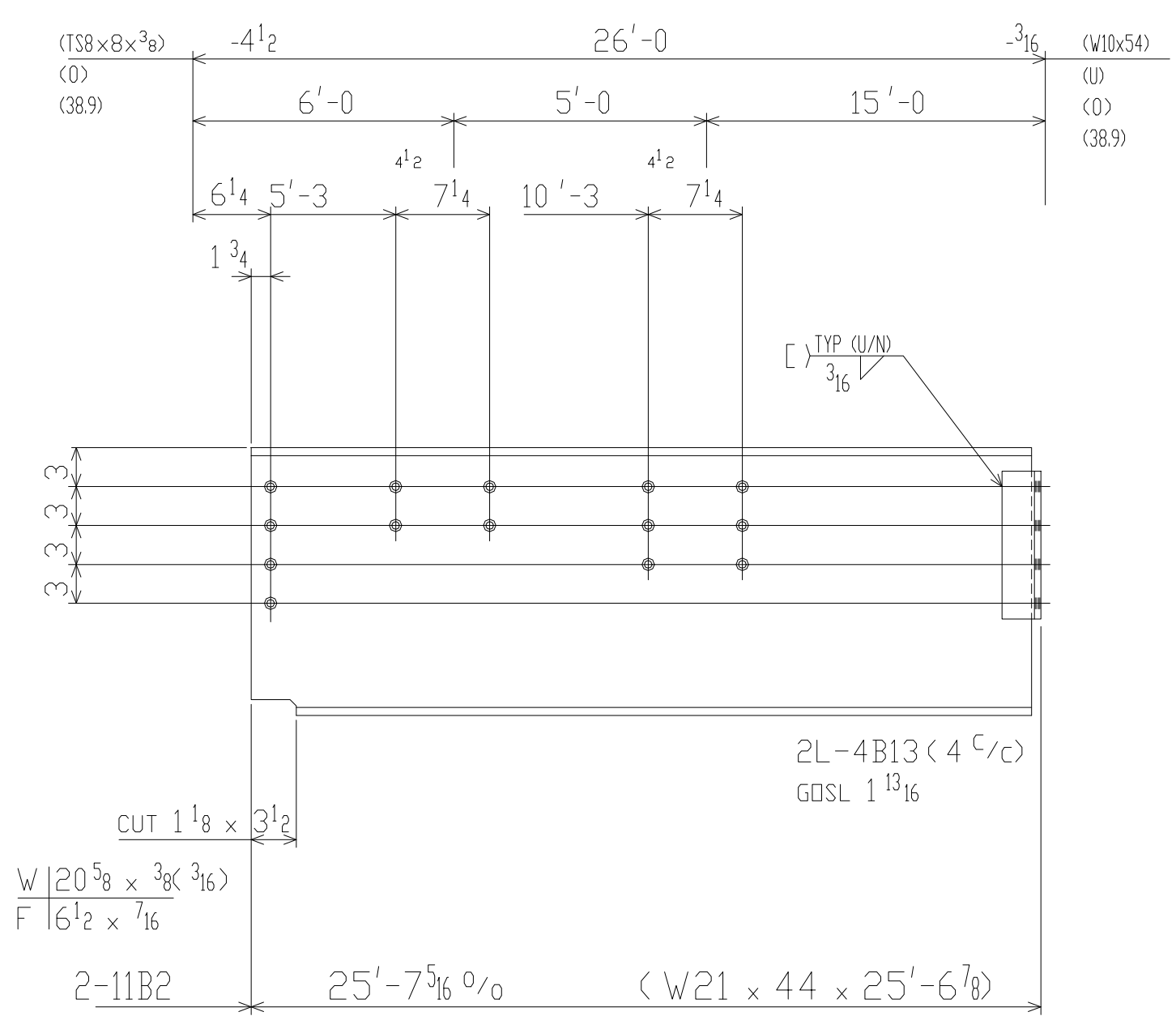
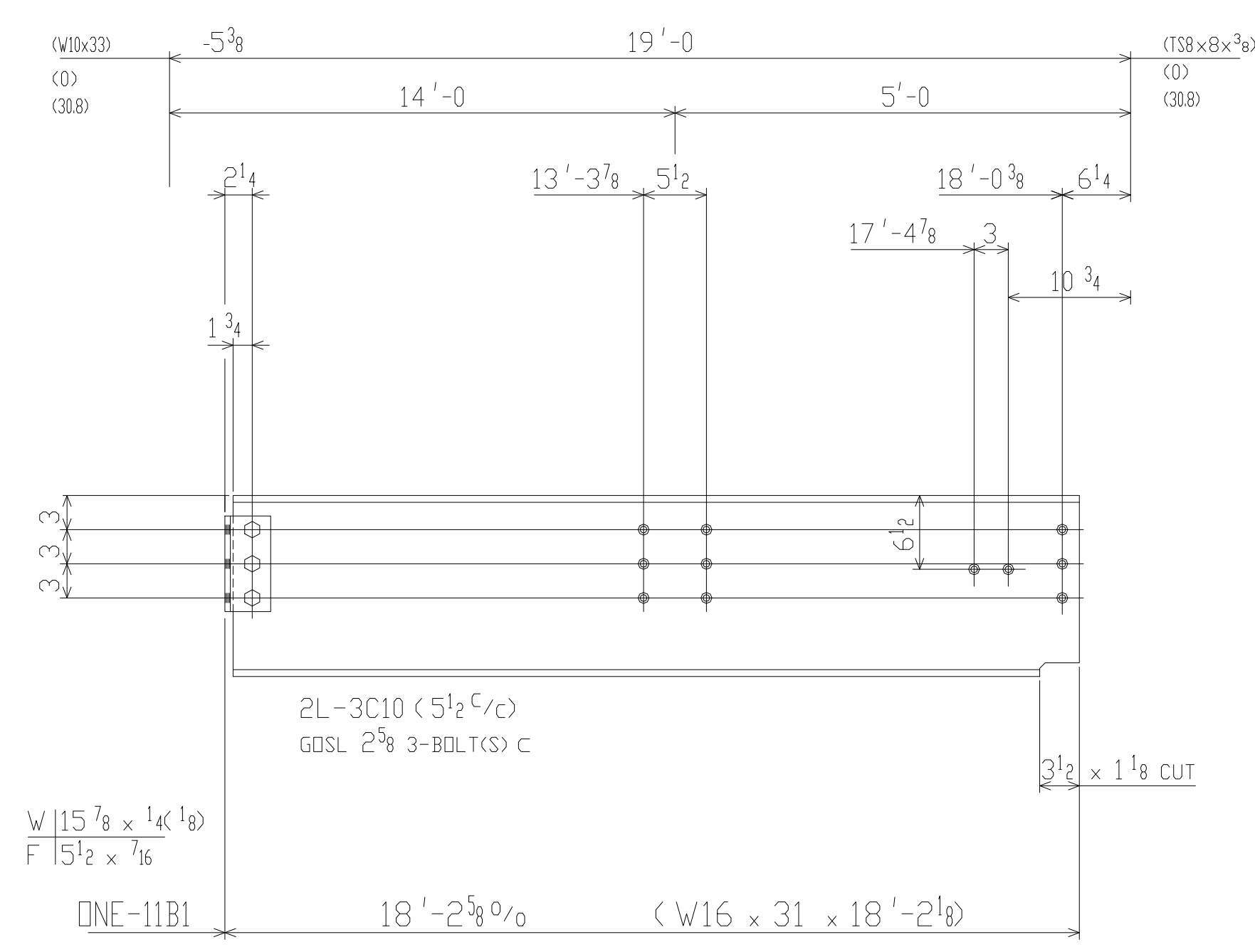
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
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		ONE-10B1					1
							2
1		W14x30	18	10 5/8	567		3
2	3C10	L4x3x5/16	0	8 1/2	11		4
1	3B14	L3x3x5/16	0	8 1/2	5		5
1	2B14	L3x3x5/16	0	5 1/2	3		6
2	2C5	L4x3x5/16	0	5 1/2	8		7
1	pa10	PL 7x8	1	7	38		8
3	c	3/4 A325 BOLT(S)	0	2	2		9
2	f	3/4 A325 BOLT(S)	0	2 3/4	2		10
		ONE-10B2					11
							12
		ONE-10B2					13
1		W14x30	18	10 5/8	567		14
2	3C10				11		15
1	3B14				5		16
1	2B14				3		17
3	c				2		18
		ONE-10B3					19
							20
1		W16x26	22	11 1/8	597		21
2	3B14				9		22
		ONE-10B3					23
							24
		ONE-10B3					25
							26
		2-10B4					27
2		W14x26	18	10 5/8	983		28
4	3C10				22		29
2	3B14				9		30
2	2B14				6		31
6	c				4		32
		ONE-10B5					33
							34
1		W16x31	18	2 1/8	564		35
2	3C10				11		36
3	c				2		37
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FIELD BOLTS	2 3/4 A325 x 2 1/4	22 3/4 A325 x 1 3/4	6 3/4 A325 x 2
PAIN	1-CT PRIMER		
MATERIAL	A36 U/NOTED		
HOLE	13/16 U/NOTED		
ELECTRODES	E70XX		
TOTAL WEIGHT	3421	NO DATE	DESCRIPTION NO DATE DESCRIPTION
DIAG. REF #	REVISIONS		

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-15-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			10



BILL OF MATERIAL

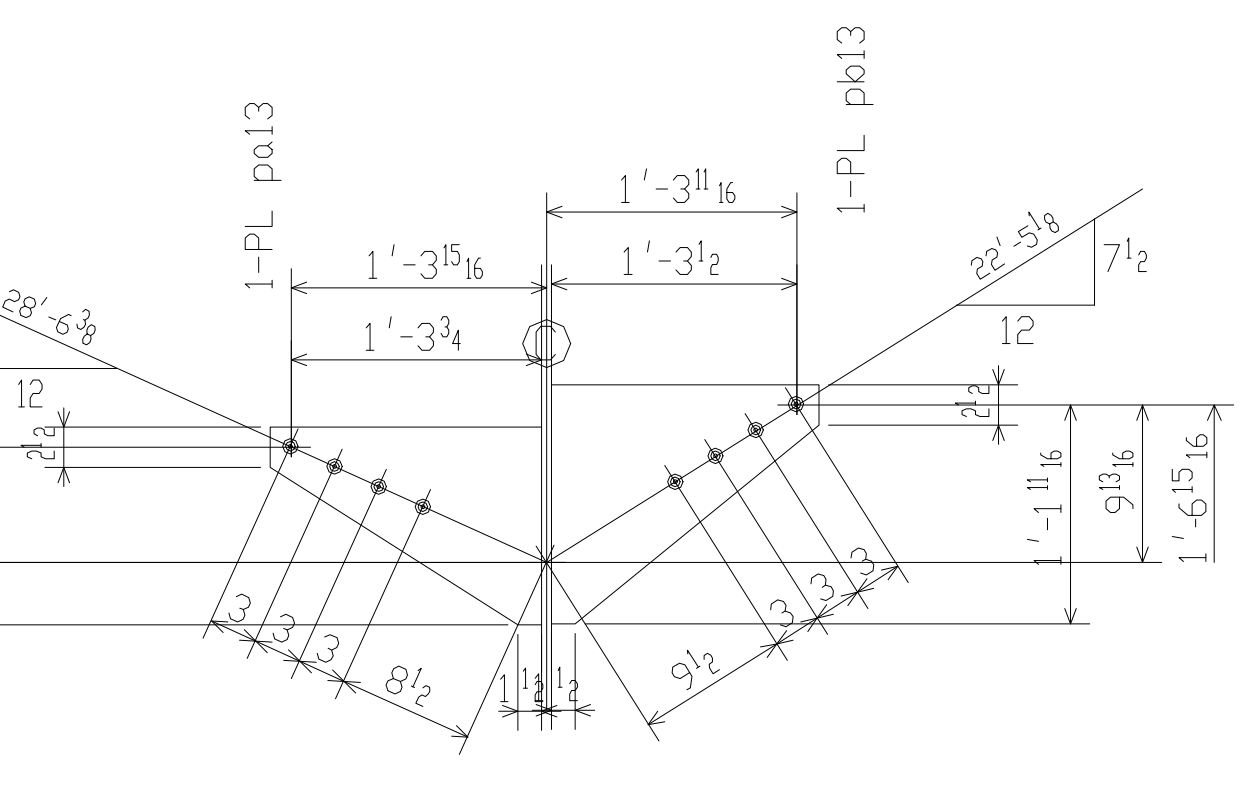
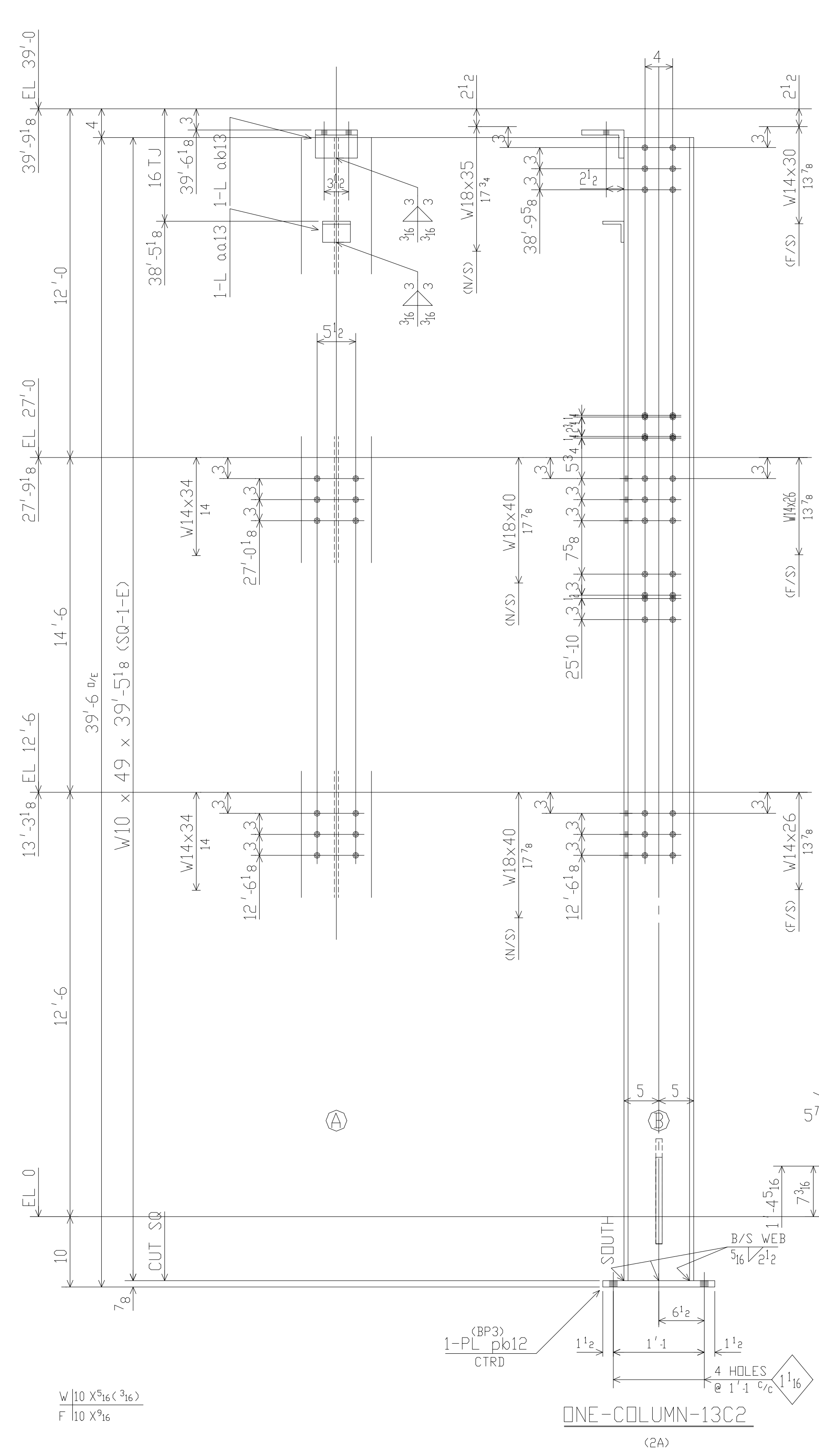
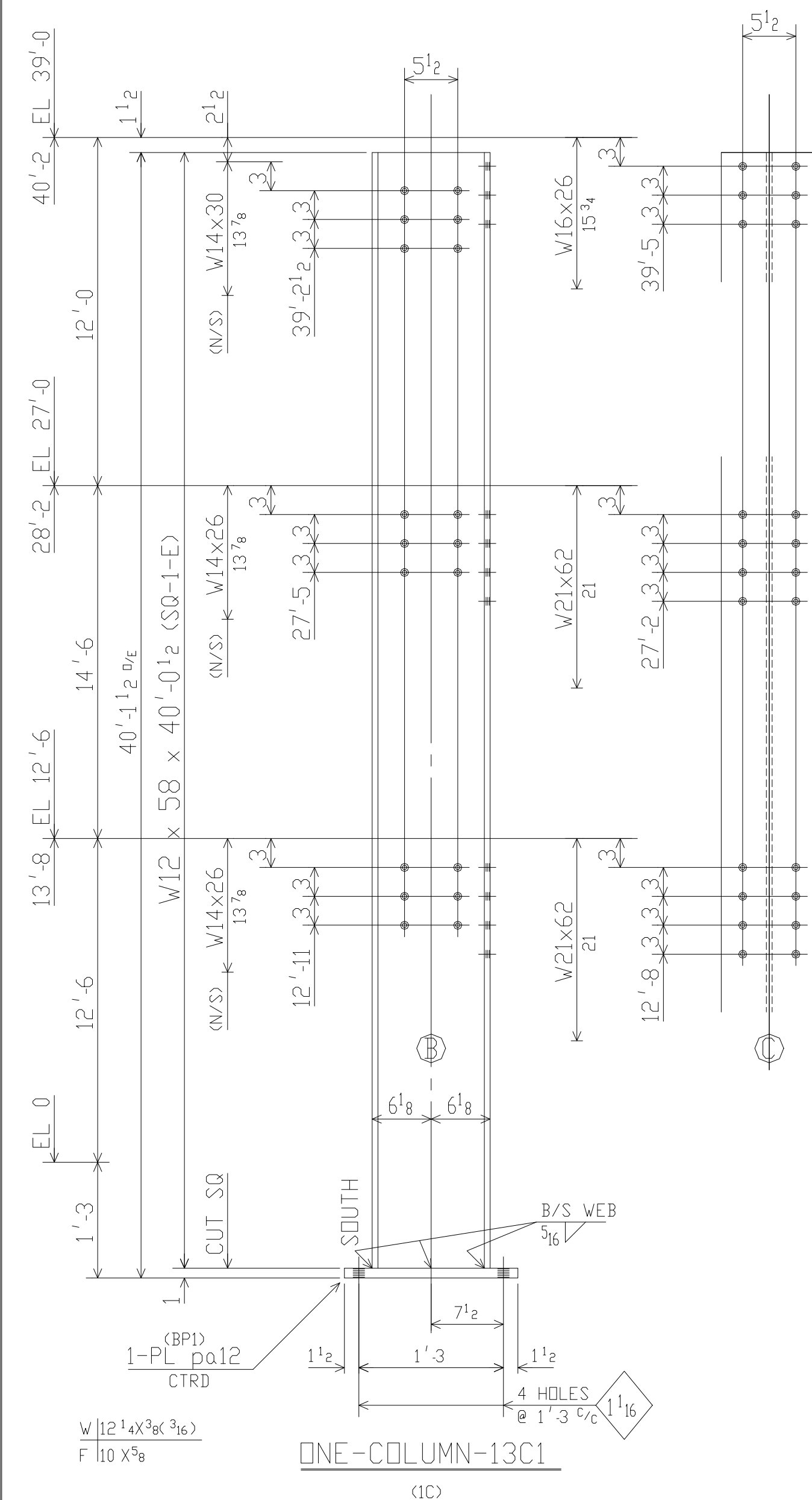
QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
		ONE-11B1					1
		ONE-11B1					2
1		W16x31	18	2 <sup>1</sup> / <sub>8</sub>	564		3
2	3C10	L4x3 <sup>3</sup> / <sub>16</sub>	0	8 <sup>2</sup> / <sub>2</sub>	11		4
3	c	3/4 A325 BOLT(S)	0	2	2		5
							6
							7
		2-11B2					8
2		W21x44	25	6 <sup>7</sup> / <sub>8</sub>	2251		9
4	4B13	L3x3 <sup>3</sup> / <sub>16</sub>	0	11 <sup>1</sup> / <sub>2</sub>	24		10
							11
		ONE-11B3					12
1		W12x35	14	4 <sup>7</sup> / <sub>8</sub>	505		13
1	2B13	L3x3 <sup>3</sup> / <sub>16</sub>	0	5 <sup>1</sup> / <sub>2</sub>	3		14
1	3B13	L3x3 <sup>3</sup> / <sub>16</sub>	0	8 <sup>2</sup> / <sub>2</sub>	5		15
2	2C9	L4x3 <sup>3</sup> / <sub>16</sub>	0	5 <sup>1</sup> / <sub>2</sub>	8		16
2	c				2		17
							18
							19
							20
		ONE-11B4					21
1		W14x34	14	2	482		22
2	3C9	L4x3 <sup>3</sup> / <sub>16</sub>	0	8 <sup>1</sup> / <sub>2</sub>	11		23
3	c				2		24
							25
							26
		ONE-11B5					27
1		W16x36	21	6 <sup>3</sup> / <sub>8</sub>	776		28
2	3C9				11		29
1	4G	PL 3/8x6 <sup>1</sup> / <sub>2</sub>	1	0	9		30
1	aa11	L3x3x <sup>1</sup> / <sub>4</sub>	0	5	3		31
4	b	3/4 A325 BOLT(S)	0	1 <sup>3</sup> / <sub>4</sub>	3		32
3	c				2		33
							34
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FIELD BOLTS	24	3/4 A325 x 1 <sup>3</sup> / <sub>4</sub>	10	3/4 A325 x 2
PAINT 1-CT PRIMER				
MATERIAL A36 U/NOTED				
HOLES 13/16 U/NOTED				
ELECTRODES E70XX				
TOTAL WEIGHT	4664	NO	DATE	DESCRIPTION
DIAG. REF #		NO	DATE	DESCRIPTION

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-15-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			11





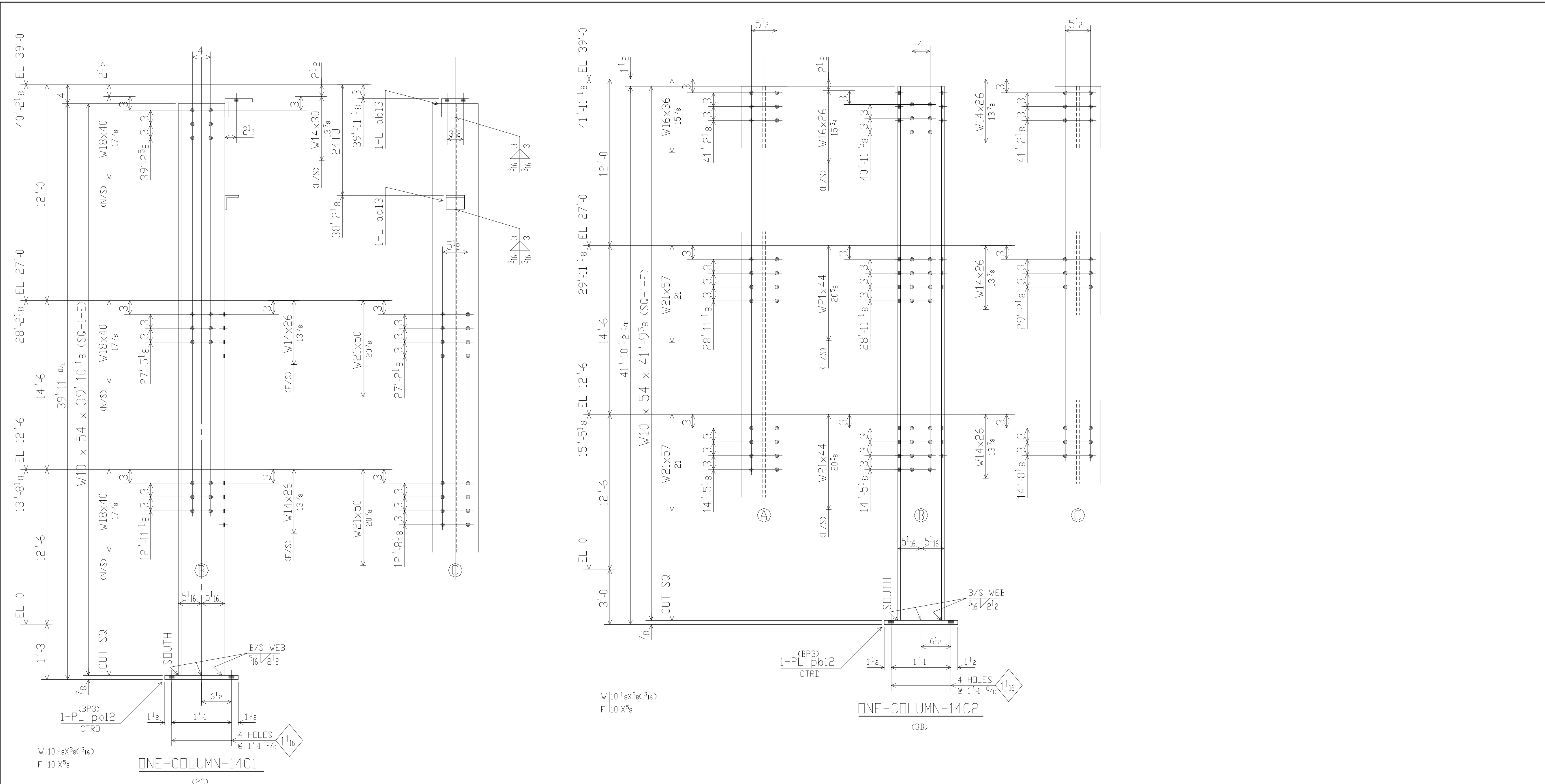
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
		ONE-13C1					1
		W12x58	40	0 1/2	2323	SO-1-E	2
1		PL1x18	1	6	92		3
1	p0a12						4
		ONE-13C2					5
		W10x49	39	5 8	1932	SO-1-E	6
1	p0b12	PL 7/8x16	1	4	64		7
1	p0a13	PL 7/8x12 1/2	1	5	53		8
1	p0b13	PL 7/8x15	1	4 3/4	63		9
1	o0a13	L3x3x 1/4	0	4	2		10
1	o0b13	L6x4x 3/4	0	6	12		11
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FIELD BOLTS	48	3/4 A325 x 2 1/4	30	3/4 A325 x 2	8	3/4 A325 x 2 3/4
10	3/4 A325 x 1 3/4					
PAINT 1-CT PRIMER						
MATERIAL A36 U/NOTED						
HOLES 13/16 U/NOTED						
ELECTRODES E70XX						
TOTAL WEIGHT	4538					
DIAG. REF #						

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-15-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			13



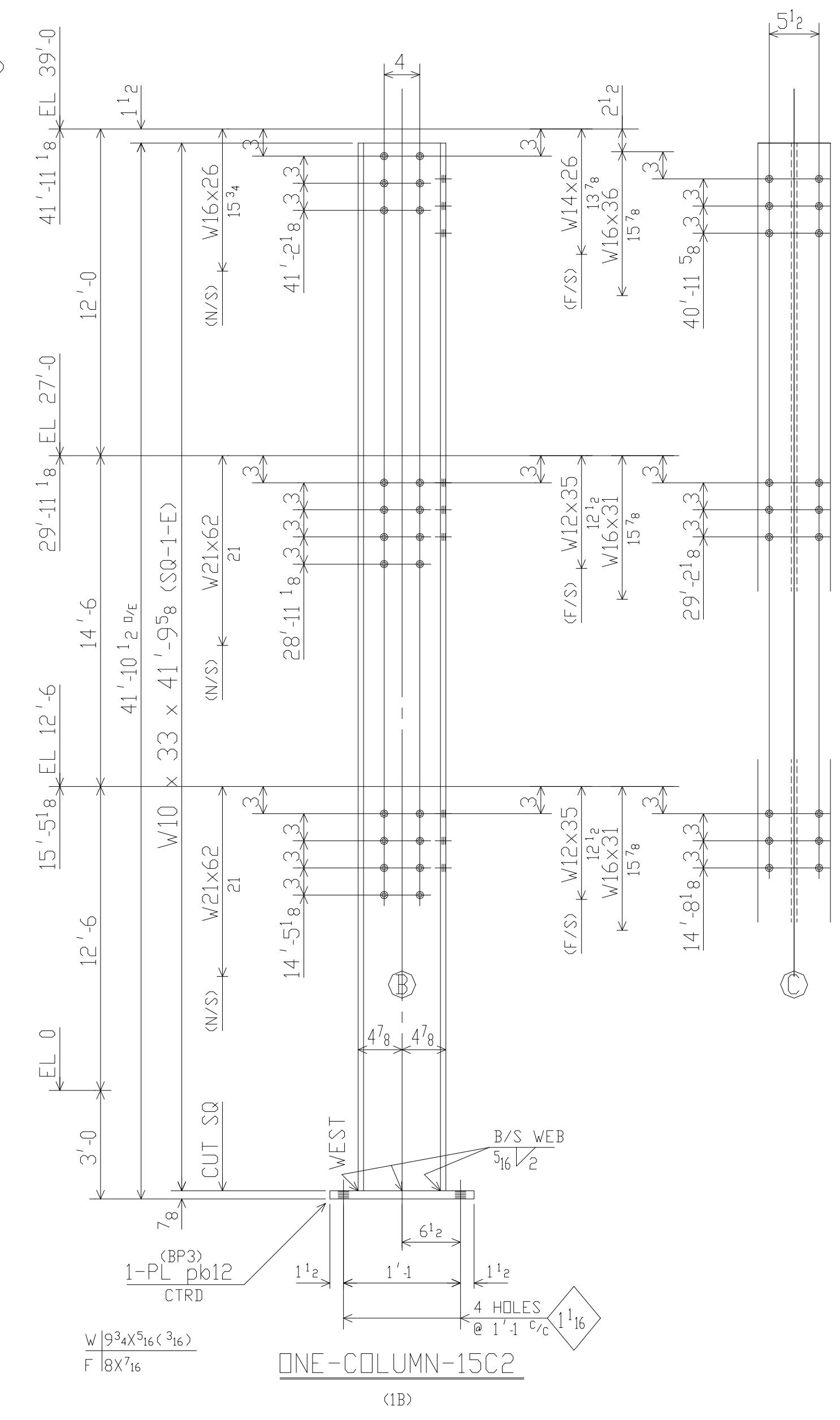
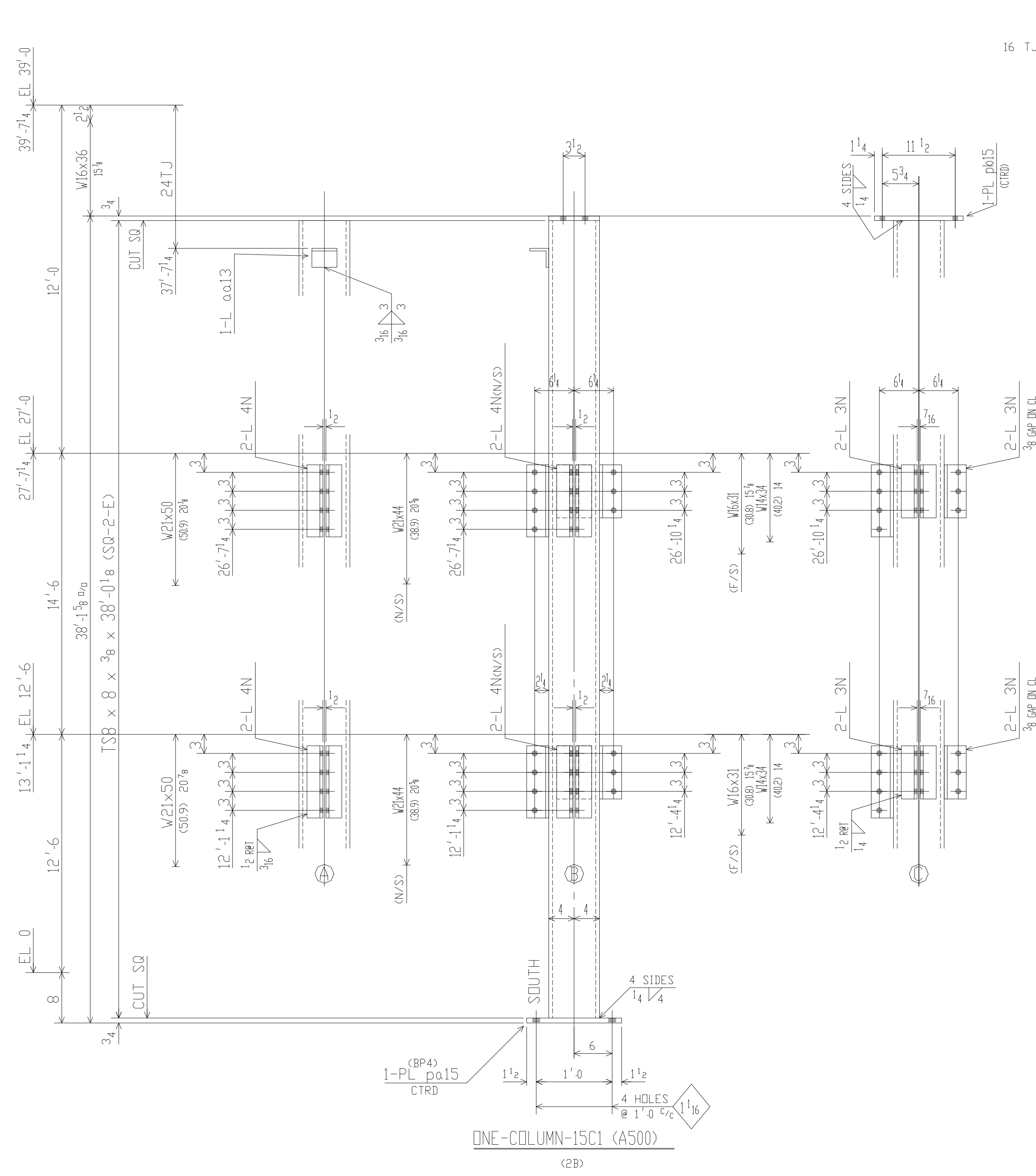
BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
		DNE-14C1					1
		W10x54	39	10 1/8	2152	SQ-1-E	2
1	pb12	PL 8x16	1	4	64		3
1	oa13	L3x3x1/4	0	4	2		4
1	oa13	L6x4x3/4	0	6	12		5
							6
							7
							8
		DNE-14C2					9
1		W10x54	41	9 5/8	2258	SQ-1-E	10
1	pb12				64		11
							12
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FIELD BOLTS	76	3/4	A325 x 2 1/4	22	3/4	A325 x 2
PAINT						
1-CT PRIMER						
MATERIAL						
A36 U/NOTED						
HOLES						
13/16 U/NOTED						
ELECTRODES						
E70XX						
TOTAL WEIGHT	4549	NO	DATE	DESCRIPTION	NO	DATE
DIAG. REF #		REVISIONS				

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE	03-15-2001		EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			14



16 T J (RHT)

BILL OF MATERIAL

QTY.	MARK	DESCRIPTION	LENGTH		WEIGHT	REMARKS	LINE
			FT	IN			
		ONE-15C1					1
		ONE-15C2					2
1		TS8x8x3/8 (A500)	38	0 1/8	1433	SO-2-E	3
1	pa15	PL 3/4x15	1	3	48		4
1	pb15	PL 3/4x8	1	2	24		5
8	4N	L3'2x2'2x1/16	0	11 1/2	47		6
8	3N	L3'2x2'2x1/16	0	8 1/2	35		7
1	oa13	L3x3x1/4	0	4	2		8
							9
							10
		ONE-15C2					11
1		W10x33	41	9 5/8	1380	SO-1-E	12
1	pb12	PL 1/2x16	1	4	64		13
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FIELD BOLTS	40	3/4 A325 x 2 1/4	24	3/4 A325 x 2	4	3/4 A325 x 2 1/2
4	3/4 A325 x 1 3/4					
PAINT 1-CT PRIMER						
MATERIAL A36 U/NOTED						
HOLES 13/16 U/NOTED						
ELECTRODES E70XX						
TOTAL WEIGHT	3030	NO	DATE	DESCRIPTION	NO	DATE
DIAG. REF #		REVISIONS				

STEELCAD CONSULTING CORP.

DRAFTER	CUSTOMER	SAMPLE CONTRACT	CONTRACT NO
DATE 03-15-2001			EXAM
CHECKED	STRUCTURE	SAMPLE STRUCTURE	DWG NO
DATE			15