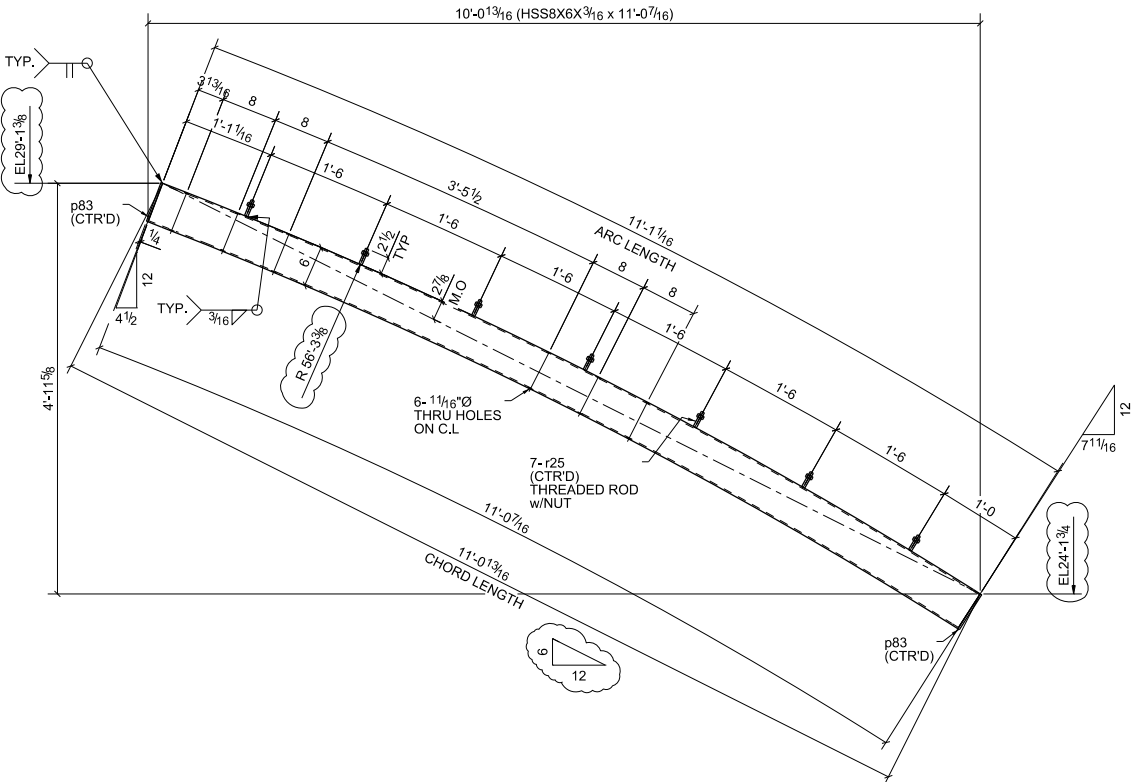
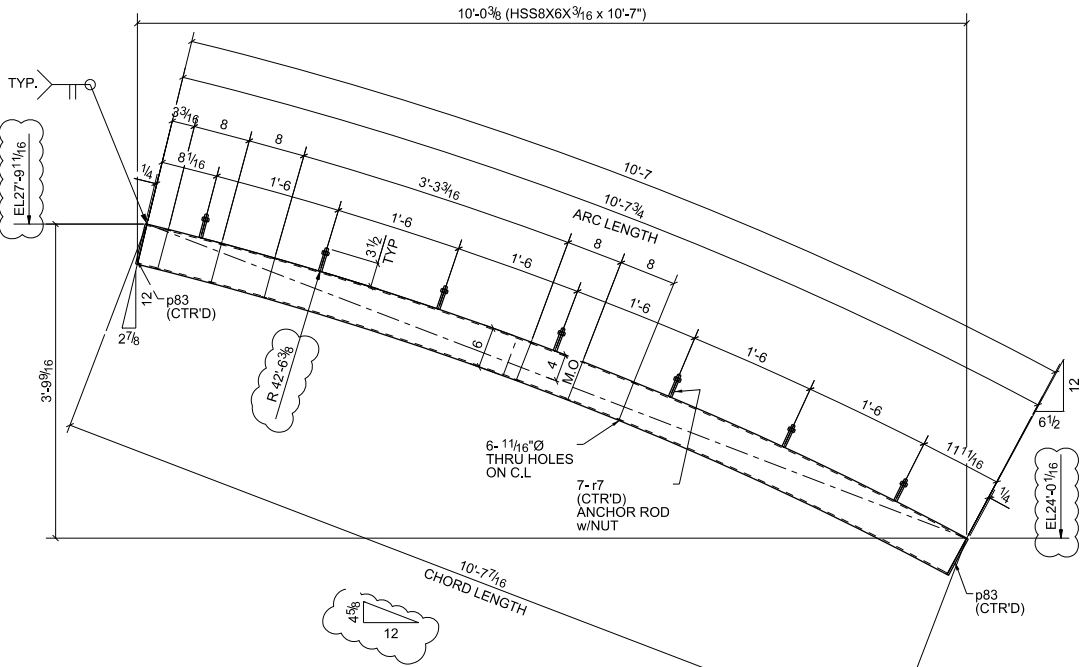
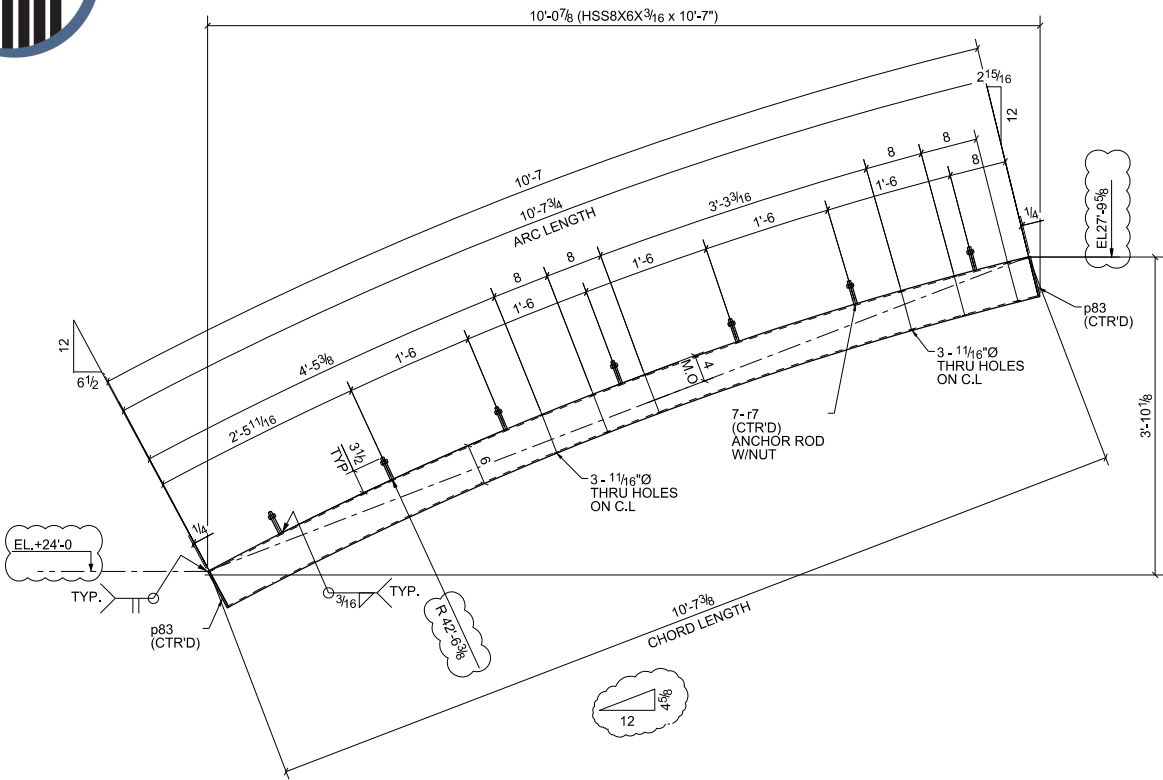




BILL OF MATERIAL				
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT
23B1	2	BEAMS		
23B1	2	HSS8X6X3/16	10'-7"	336
p83	4	FL 1/4"X6"	0'-8"	14
r7	14	ROD 1/2"	0'-3 1/2"	2
14		1/2_HEAVY_HEX_NUT		1
23B2	1	BEAM		
23B2	1	HSS8X6X3/16	11'-0 7/16"	175
p83	2	FL 1/4"X6"	0'-8"	7
r25	7	ROD 1/2"	0'-2 1/2"	1
7		1/2_HEAVY_HEX_NUT		0
23B3	2	BEAMS		
23B3	2	HSS8X6X3/16	10'-7"	336
p83	4	FL 1/4"X6"	0'-8"	14
r7	14	ROD 1/2"	0'-3 1/2"	2
14		1/2_HEAVY_HEX_NUT		1
TOTAL WEIGHT THIS DRAWING				888



PAINT NOTE:-
PAINT : ONE COAT SHOP PRIMER
PREP : SSPC-SP2

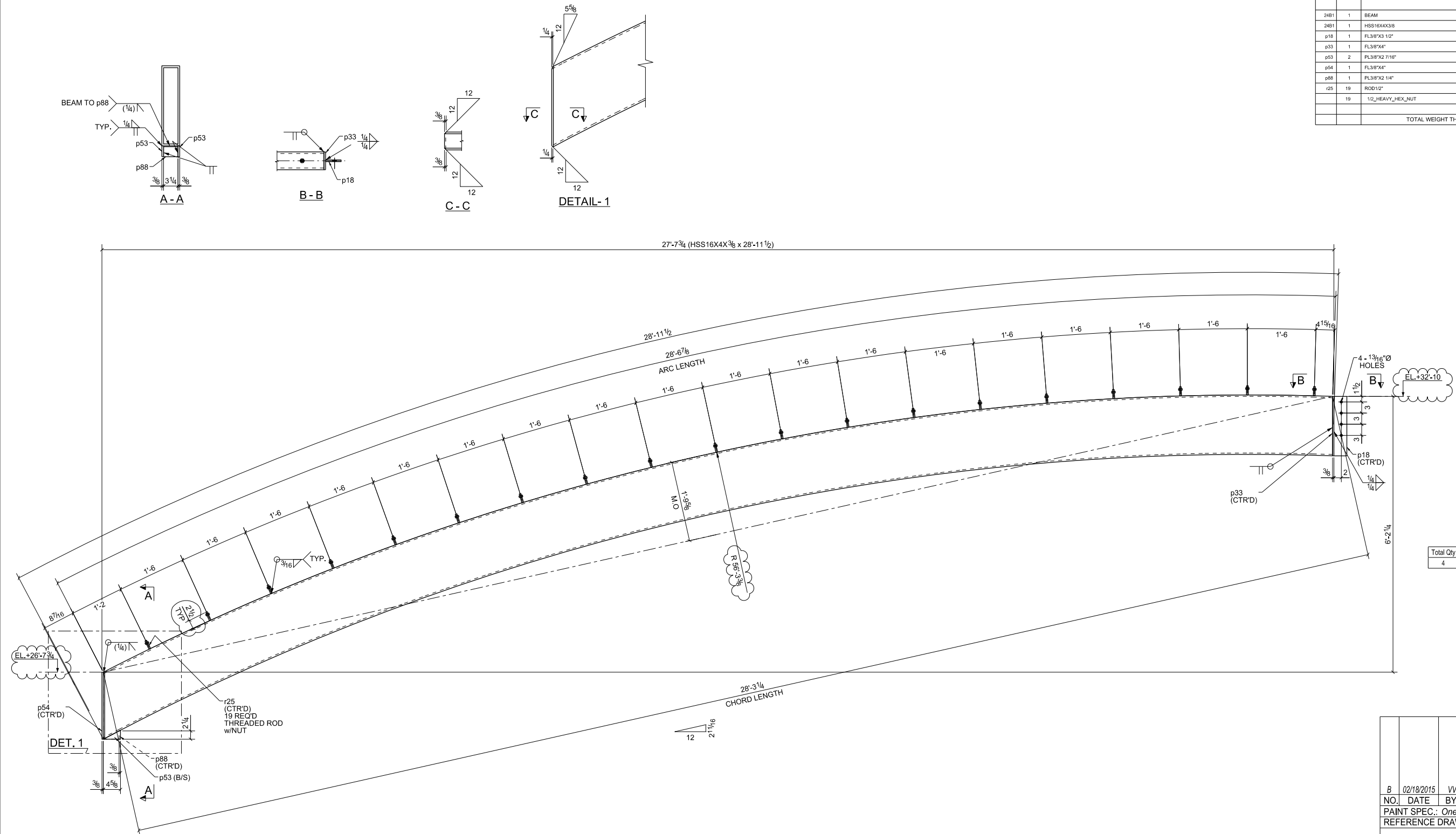
BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
23B1	2	BEAMS			
23B1	2	HSS8X6X3/16	10'-7"	336	A500-GR.B
p83	4	FL 1/4"X6"	0'-8"	14	A36
r7	14	ROD 1/2"	0'-3 1/2"	2	A36
14		1/2_HEAVY_HEX_NUT		1	
23B2	1	BEAM			
23B2	1	HSS8X6X3/16	11'-0 7/16"	175	A500-GR.B
p83	2	FL 1/4"X6"	0'-8"	7	A36
r25	7	ROD 1/2"	0'-2 1/2"	1	A36
7		1/2_HEAVY_HEX_NUT		0	
23B3	2	BEAMS			
23B3	2	HSS8X6X3/16	10'-7"	336	A500-GR.B
p83	4	FL 1/4"X6"	0'-8"	14	A36
r7	14	ROD 1/2"	0'-3 1/2"	2	A36
14		1/2_HEAVY_HEX_NUT		1	
TOTAL WEIGHT THIS DRAWING				888	

Total Qty. Unit Qty. Bolt Size & Length

B	02/18/2015	VV	KK	FOR APPROVAL
NO.	DATE	BY	CHK'D	REVISION
PAINT SPEC.: One Coat Shop Primer				
REFERENCE DRAWINGS: Structural Design Set				
CUSTOMER				
HOLE	13/16 Ø U.N.	DRAWN	VV	P.O.#
OR		BY		
MET'L	A36 U.N.	CHECKED	KK	DATE
SPEC.		BY		02/18/2015
ERECTOR	40'X20' SH SZ	DATE		W.O.#
DWG.	EB	NTS	1:24	23
			SHT. #	REV. B

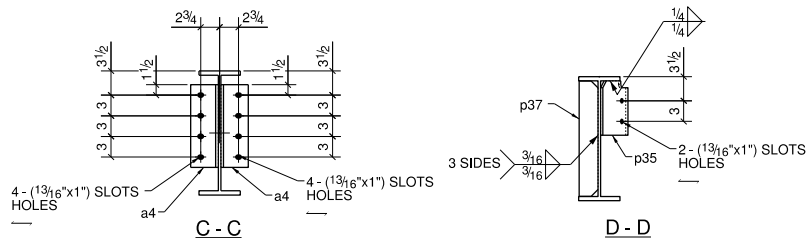
BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
24B1	1	BEAM			
24B1	1	HSS16X4X3/8	28'-11 1/2"	1301	A500-GR.B
p18	1	FL3/8"x3 1/2"	1'-4"	6	A36
p33	1	FL3/8"x4"	1'-4"	7	A36
p53	2	PL3/8"x2 7/16"	0'-4 5/8"	1	A36
p54	1	FL3/8"x4"	1'-6 1/16"	8	A36
p88	1	PL3/8"x2 1/4"	0'-3 1/4"	1	A36
r25	19	ROD 1/2"	0'-2 1/2"	2	A36
19		1/2_HEAVY_HEX_NUT		1	
TOTAL WEIGHT THIS DRAWING				1326	



ONE - BEAM - 24B1

PAINT NOTE:-
PAINT : ONE COAT SHOP PRIMER
PREP : SSPC-SP2

B	02/18/2015	VV	KK	FOR APPROVAL	
NO.	DATE	BY	CHK'D	REVISION	
PAINT SPEC.: <i>One Coat Shop Primer</i>					
REFERENCE DRAWINGS: <i>Structural Design Set</i>					
CUSTOMER					
</					



BILL OF MATERIAL

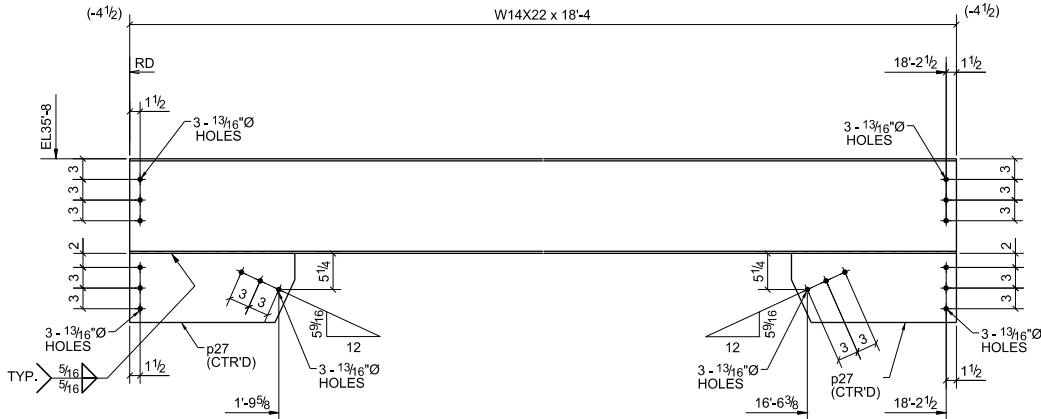
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
25B1	1	BEAM			SQ-2
25B1	1	W21X68	35'-2 7/8"	2399	A992
p17	1	PL3/8"x3 7/8"	1'-7 11/16"	8	A36
25B2	1	BEAM			SQ-2
25B2	1	W16X36	25'-10"	932	A992
a4	2	L4X3-1/2X3/8	1'-0"	18	A36
25B3	1	BEAM			SQ-2
25B3	1	W18X46	26'-0 7/8"	1198	A992
a4	4	L4X3-1/2X3/8	1'-0"	36	A36
p35	1	FL3/8"x7"	0'-7 15/16"	6	A36
p37	1	FL3/8"x2 3/4"	1'-4 3/4"	5	A36
		TOTAL WEIGHT THIS DRAWING		4601	

PROJECT PHASING		
MARK	QTY	PHASE
25B1	1	Phase 1
25B2	1	Phase 1
25B3	1	Phase 1

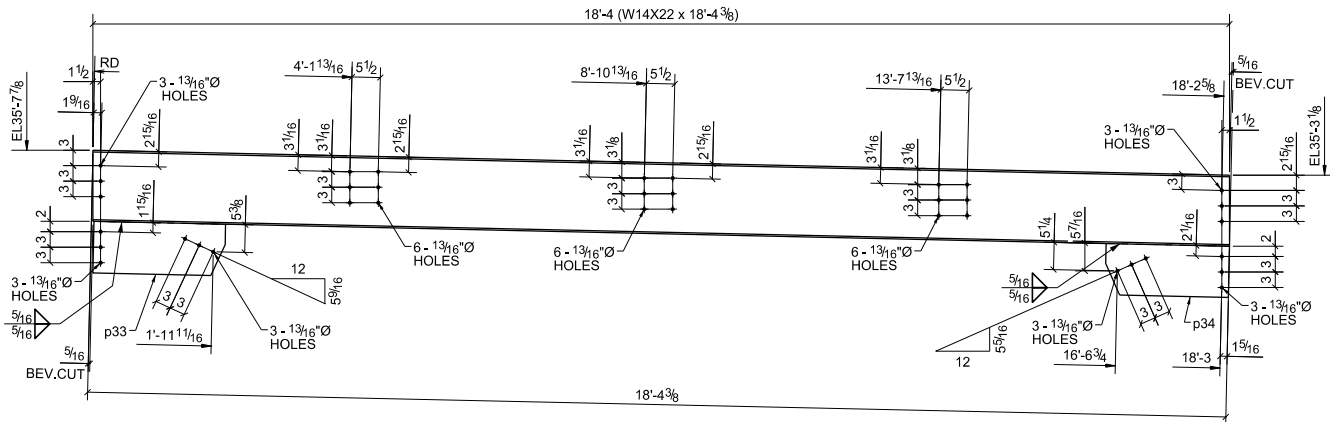
SEQUENCE : 1

Total Qty.	Unit Qty.	Bolt Size & Length
8	8	BOLT 3/4" Ø A325N 0'-1 3/4"
23	23	BOLT 3/4" Ø A325N 0'-2"

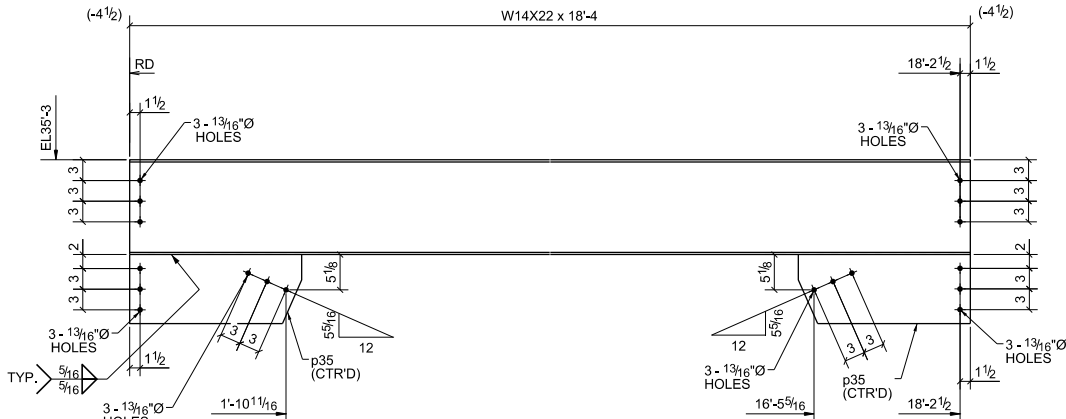
		11/21/14		FOR FABRICATION			
PRINT RECORD							
DATE	APP.	SHOP	FIELD	DIST.	COORD.	F.C.	OFFICE
ALL INFORMATION PROVIDED ON THESE DRAWINGS ARE PREPARED IN ACCORDANCE TO THE CONTRACT DOCUMENTS AND THE SPECIFICATIONS. ALL CLOUTED AREAS SHOWN ARE DUE TO JACK OF INFORMATION PROVIDED BY THE CONTRACT DOCUMENTS OR SPECIFICATIONS, BUT PREPARED WITH ALL THE INFORMATION AVAILABLE TO US. WE MAY HAVE THESE AREAS ADVISED BY THE GENERAL CONTRACTOR, ARCHITECT, & ENGINEER. BEFORE WE CAN START FABRICATING ANY MATERIAL, PLEASE RESPOND WITH THIS INFORMATION BY MARKING UP OUR SHOP DRAWINGS.							
MATERIAL: A36 UNO		HOLE SIZE: 13/16" Ø UNO		BOLT GRADE: A325-N UNO		MINIMUM WELD: 3/16"	
						ELECTRODE: E-70XX	
							
ARCH.				JOB NAME & LOCATION:			
ENGR.				College Park Airport Operations Building			
CONTR.							
REF.				JOB:			
DRAWN BY: VV				11/21/14		14-115	
SHEET TITLE				CHECKED BY: VT		SHEET:	
						25	
MODIFIED DATE: 11/21/14 LAST PLOT DATE: 11/21/14 CADD FILENAME: 25 BEAM 							



ONE - BEAM - 110B1



2 - BEAMS - 110B2



ONE - BEAM - 110B3

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
110B1	1	BEAM			SQ-2
110B1	1	W14X22	18'-4"	405	A992
p27	2	PL 1/2"X10"	1'-11 15/16"	65	A36
110B2	2	BEAMS			BEV-2
110B2	2	W14X22	18'-4 3/8"	811	A992
p33	2	FL 1/2"X10"	2'-1 1/2"	70	A36
p34	2	PL 1/2"X9 15/16"	1'-11 7/8"	65	A36
110B3	1	BEAM			SQ-2
110B3	1	W14X22	18'-4"	405	A992
p35	2	PL 1/2"X10"	2'-0 15/16"	68	A36
TOTAL WEIGHT THIS DRAWING				1890	

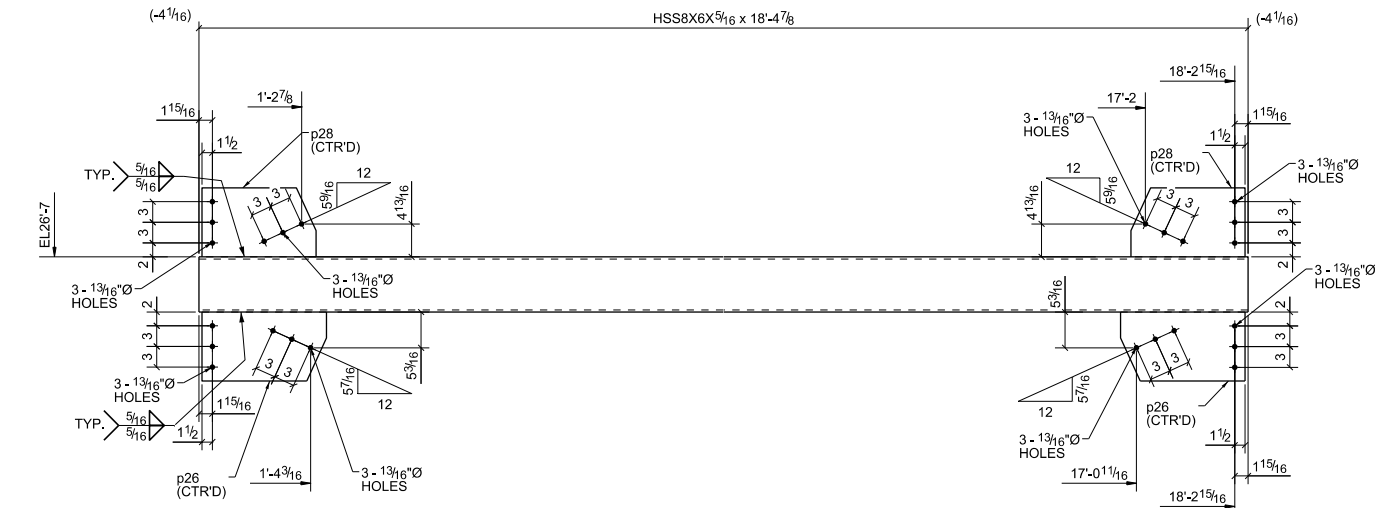
PROJECT PHASING

Erection	Total	Phase	
Mark	Qty.	1	5
110B1	1	1	-
110B2	2	2	-
110B3	1	1	-

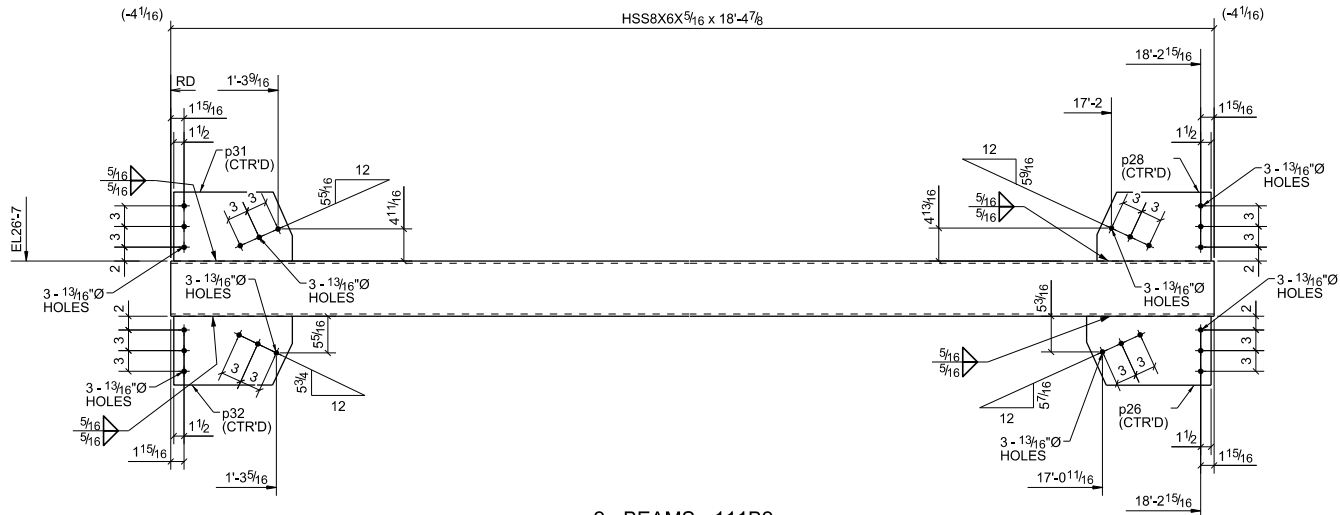
Total Qty.	Unit Qty.	Bolt Size & Length
24	18	BOLT 3/4" Ø A32SSC 0'-1 3/4"

PAINT NOTE:
PAINT: ONE SHOP COAT OF STANDARD GRAY PRIMER
PREP: SSPC-SP2

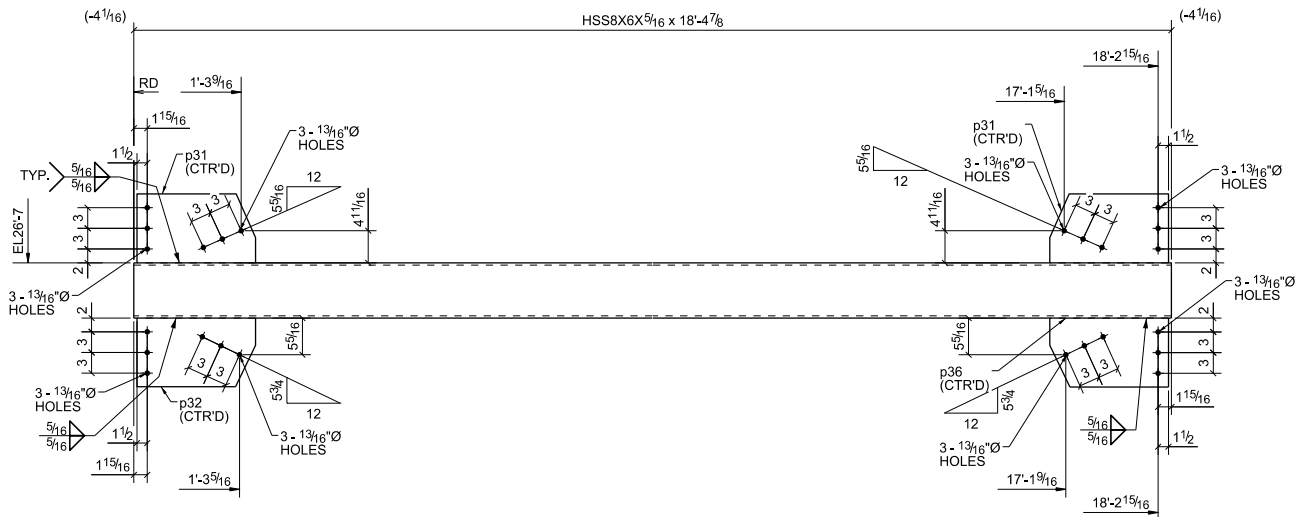
01/27/2015 FOR FABRICATION	
PRINT RECORD	
DATE	APP. SHOP FIELD DIST. COORD. F.C. OFFICE
ALL INFORMATION PROVIDED ON THESE DRAWINGS ARE PREPARED IN ACCORDANCE TO THE CONTRACT DOCUMENTS AND THE SPECIFICATIONS. ALL CLOUDED AREAS SHOWN ARE DUE TO LACK OF INFORMATION PROVIDED BY THE CONTRACT DOCUMENTS OR SPECIFICATIONS. BUT PREPARED WITH ALL THE INFORMATION AVAILABLE TO US. WE MUST HAVE THESE AREAS ANSWERED BY THE GENERAL CONTRACTOR, ARCHITECT & ENGINEER, BEFORE WE CAN START FABRICATING ANY MATERIAL. PLEASE RESPOND WITH THIS INFORMATION BY MARKING UP OUR SHOP DRAWINGS.	
MATERIAL: A36 UNO	HOLE SIZE: 13/16" Ø UNO
BOLT GRADE: A325-N UNO	MINIMUM WELD: 3/16"
ELECTRODE: E-70XX	
ARCH. ENGR. CONTR. .	
JOB NAME & LOCATION: Mr.Tire, Auto Service Centers.	
JOB: 14-116	
DRAWN BY: VV 01/27/2015 CHECKED BY: MSB 01/27/2015 SHEET: 110	
SHEET TITLE: BEAM	
MODIFIED DATE: 01/27/2015 LAST PLOT DATE: 01/27/2015 CAD FILENAME: 110	



ONE - BEAM - 111B1



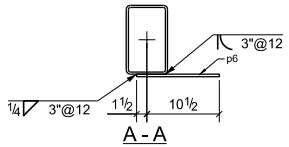
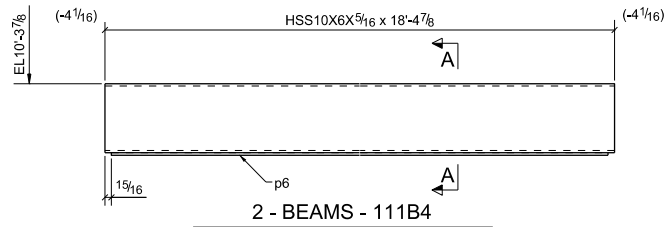
2 - BEAMS - 111B2



ONE - BEAM - 111B3

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
111B1	1	BEAM			SQ-2
111B1	1	HSS8X6X5/16	18'-4 7/8"	475	A992
p26	2	PL1/2"X10"	1'-6 1/16"	49	A36
p28	2	PL1/2"X10"	1'-4 9/16"	45	A36
111B2	2	BEAMS			SQ-2
111B2	2	HSS8X6X5/16	18'-4 7/8"	951	A992
p26	2	PL1/2"X10"	1'-6 1/16"	49	A36
p28	2	PL1/2"X10"	1'-4 9/16"	45	A36
p31	2	PL1/2"X10"	1'-5 1/4"	46	A36
p32	2	PL1/2"X10"	1'-5 1/4"	46	A36
111B3	1	BEAM			SQ-2
111B3	1	HSS8X6X5/16	18'-4 7/8"	475	A992
p31	2	PL1/2"X10"	1'-5 1/4"	46	A36
p32	1	PL1/2"X10"	1'-5 1/4"	23	A36
p36	1	PL3/8"X12"	1'-5 1/4"	23	A36
111B4	2	BEAMS			SQ-2
111B4	2	HSS10X6X5/16	18'-4 7/8"	1097	A992
p6	2	FL3/8"X12"	18'-3"	559	A36
TOTAL WEIGHT THIS DRAWING				3930	



PROJECT PHASING				
Erection	Total	Phase		
Mark	Qty.	1	5	
111B1	1	1	-	
111B2	2	2	-	
111B3	1	1	-	
111B4	2	2	-	

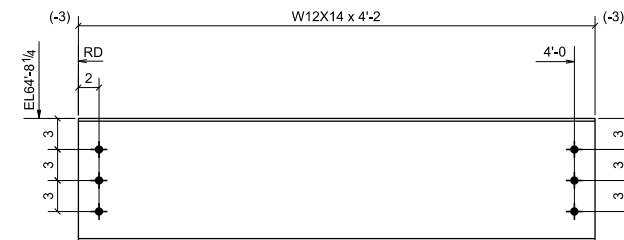
Total Qty. Unit Qty. Bolt Size & Length

PAINT NOTE:

PAINT: ONE SHOP COAT OF STANDARD GRAY PRIMER

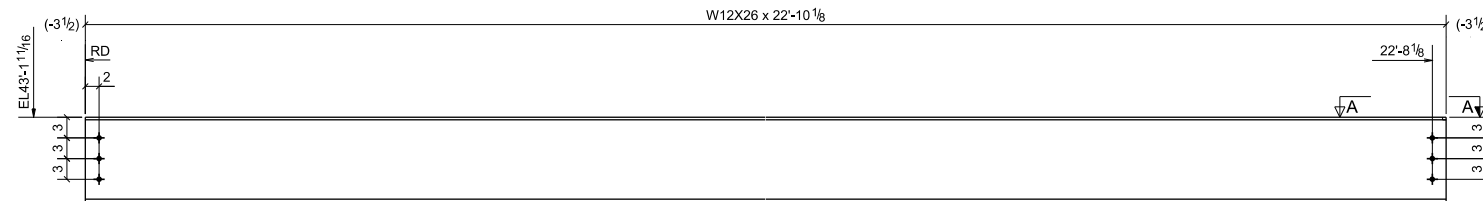
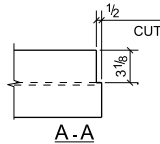
PREP: SSPC-SP2

01/27/2015		FOR FABRICATION																	
PRINT RECORD																			
DATE	APP.	SHOP	FIELD	DIST.	COORD.	F.C.	OFFICE												
MATERIAL: A36 UNO				HOLE SIZE: 13/16" Ø UNO		BOLT GRADE: A325-N UNO		MINIMUM WELD: 3/16"		ELECTRODE: E-70XX									
ARCH.				JOB NAME & LOCATION: Mr. Tire, Auto Service Centers.															
ENGR.																			
CONTR.																			
REF:				JOB: 14-116															
DRAWN BY: VV				01/27/2015				CHECKED BY: MSB				01/27/2015				SHEET: 111			
SHEET TITLE				BEAM				LAST PLOT DATE: 01/27/2015				CAD FILENAME: 111							

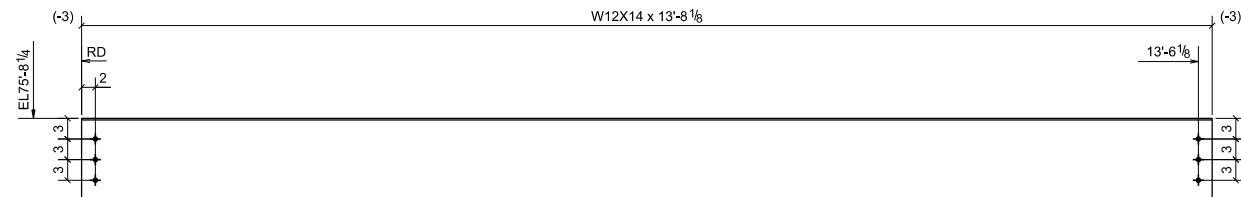


6 - BEAMS - 1115B1

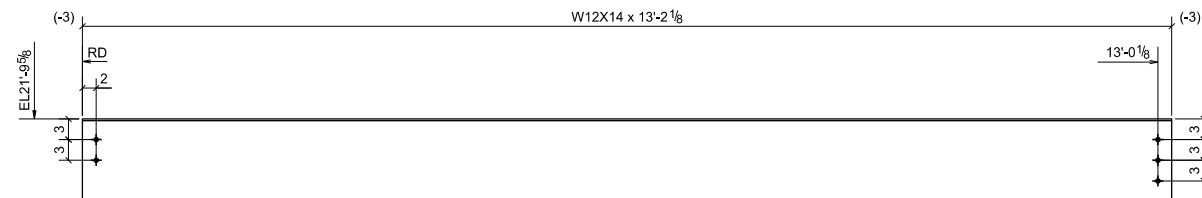
7 - BEAMS - 1115B3



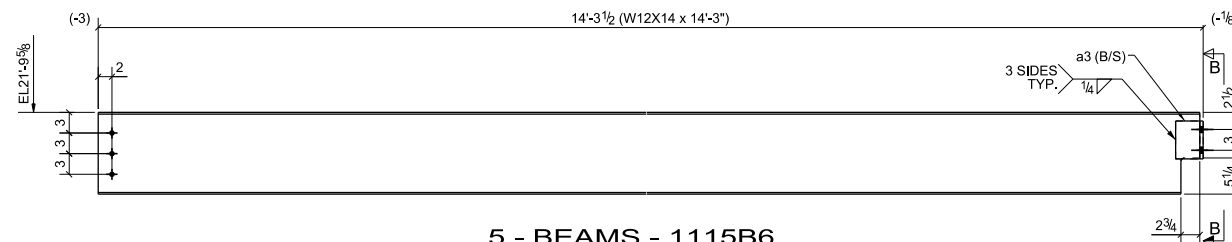
5 - BEAMS - 1115B2



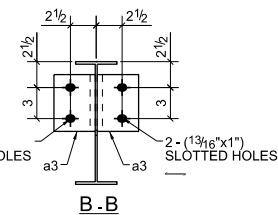
6 - BEAMS - 1115B4



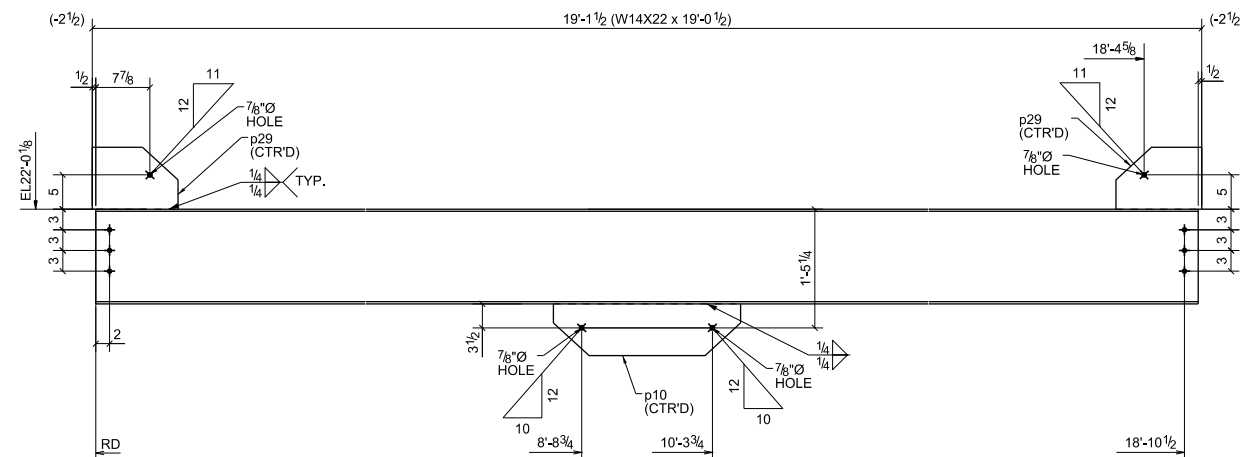
5 - BEAMS - 1115B5



5 - BEAMS - 1115B6



Total Qty.	Unit Qty.	Bolt Size & Length
154	26	BOLT 3/4" Ø A325N 0'-1 3/4"
50	10	BOLT 3/4" Ø A325N 0'-2"
6	6	BOLT 3/4" Ø A325N 0'-2 1/4"



ONE - BEAM - 1115B7

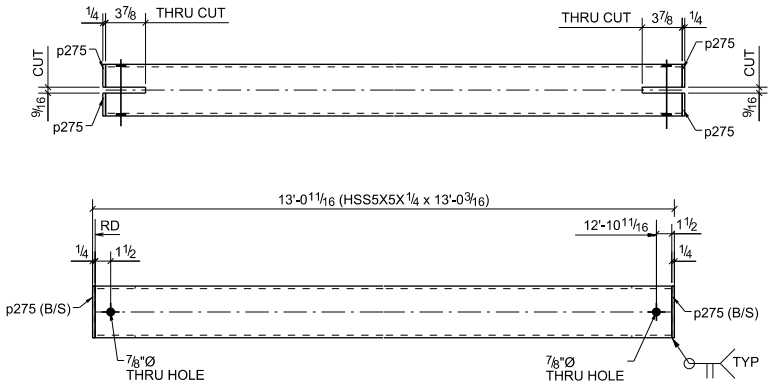
BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
1115B1	6	BEAMS			SQ-2
1115B1	6	W12X14	4'-9 1/8"	404	A992
1115B2	5	BEAMS			SQ-2
1115B2	5	W12X26	22'-10 1/8"	2974	A992
1115B3	7	BEAMS			SQ-2
1115B3	7	W12X14	4'-2"	413	A992
1115B4	6	BEAMS			SQ-2
1115B4	6	W12X14	13'-8 1/8"	1162	A992
1115B5	5	BEAMS			SQ-2
1115B5	5	W12X14	13'-2 1/8"	933	A992
1115B6	5	BEAMS			SQ-2
1115B6	5	W12X14	14'-3"	1009	A992
a3	10	L4X4X1/2	0'-5 1/2"	58	A36
1115B7	1	BEAM			SQ-2
1115B7	1	W14X22	19'-0 1/2"	421	A992
p10	1	PL 1/2"X7 1/2"	2'-3 3/16"	25	A36
p29	2	PL 1/2"X9"	1'-0 7/16"	28	A36
		TOTAL WEIGHT THIS DRAWING		7427	

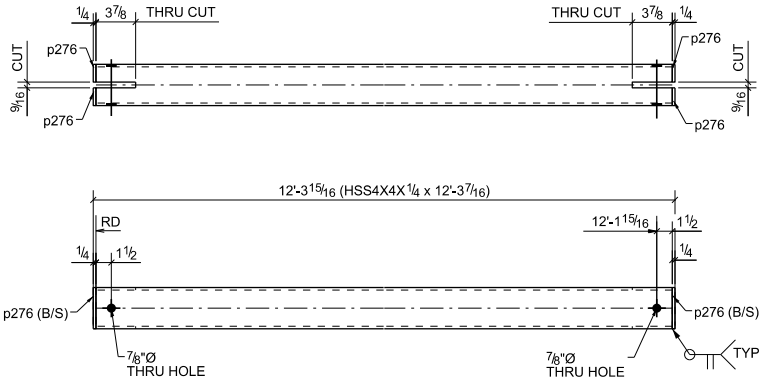
		
		
		
	For Approval	02/16/2016
NO.	REVISION	DATE
PROJECT NAME: STERLING NORTHGATE		
LOCATION: ¹		
CONTR: -		
DRAWN BY: KMR	DATE: 02/16/2016	CHECKED BY: DRN
JOB NO. -	BEAM	SHEET NO. 1115 

GENERAL NOTES:-

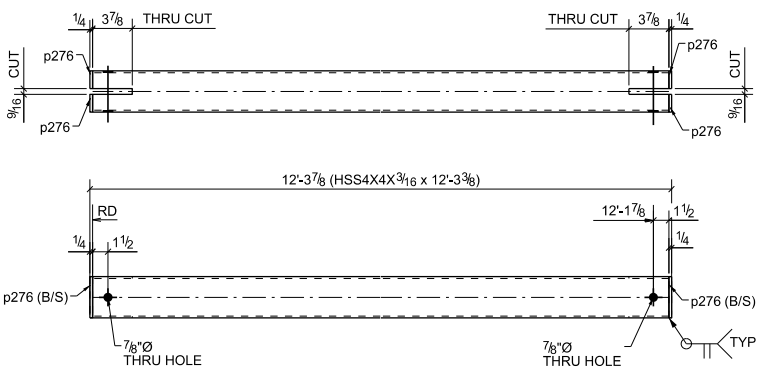
1. PREP. : PROJ-PAINT
2. FINISH : PROJ-FINISH
3. WELD : 70 SERIES WIRE
4. BOLTS : PROJ-BOLT_GRADE
5. HOLES : PROJ-HOLE_DIA
6. 0'-3" NO PAINT AROUND OPEN HOLES FOR SC BOLTS



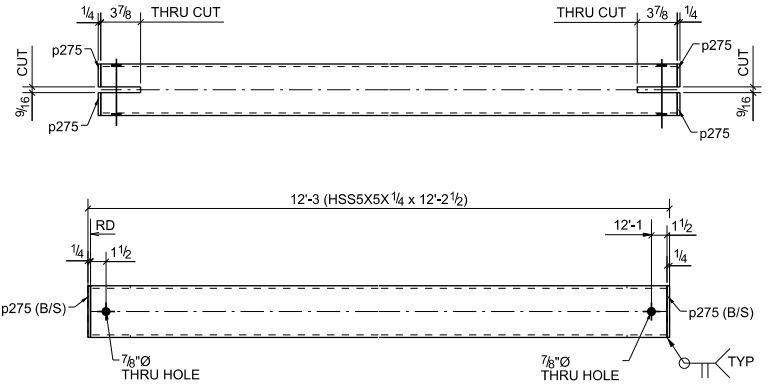
4 - BRACES - 1128BR1



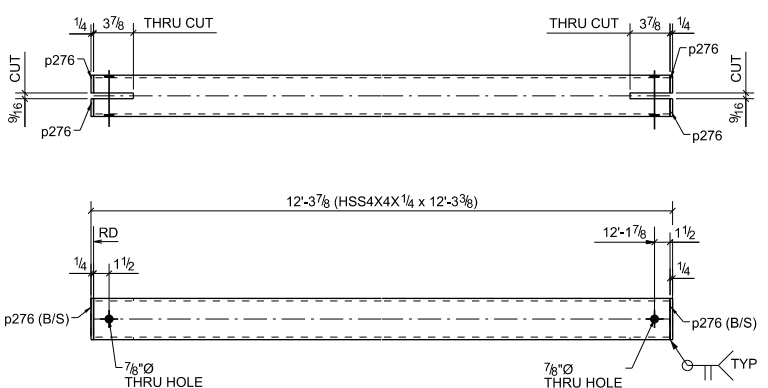
4 - BRACES - 1128BR3



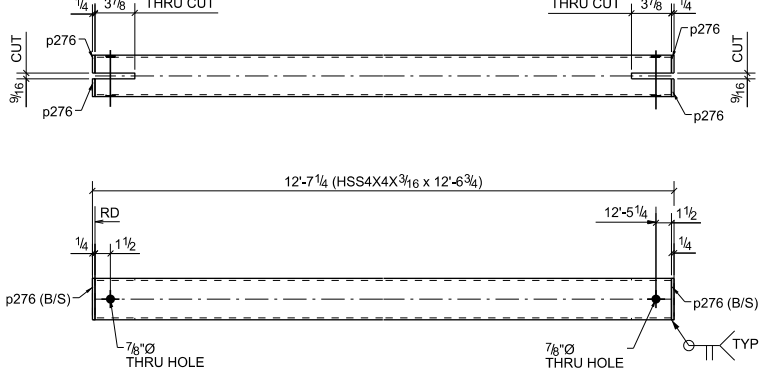
2 - BRACES - 1128BR5



6 - BRACES - 1128BR2



2 - BRACES - 1128BR4



2 - BRACES - 1128BR6

GENERAL NOTES:-

1. PREP. : PROJ-PAINT
2. FINISH : PROJ-FINISH
3. WELD : 70 SERIES WIRE
4. BOLTS : PROJ-BOLT_GRADE
5. HOLES : PROJ-HOLE_DIA
6. 0'-3" NO PAINT AROUND OPEN HOLES FOR SC BOLTS

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
1128BR1	4	BRACES			SQ-2
1128BR1	4	HSS5X5X1/4	13'-0 3/16"	762	A500-GR.B
p275	16	PL1/4"X2 1/4"	0'-5"	13	A36
1128BR2	6	BRACES			SQ-2
1128BR2	6	HSS5X5X1/4	12'-2 1/2"	1072	A500-GR.B
p275	24	PL1/4"X2 1/4"	0'-5"	19	A36
1128BR3	4	BRACES			SQ-2
1128BR3	4	HSS4X4X1/4	12'-3 7/16"	564	A500-GR.B
p276	16	PL1/4"X1 3/4"	0'-4"	8	A36
1128BR4	2	BRACES			SQ-2
1128BR4	2	HSS4X4X1/4	12'-3 3/8"	282	A500-GR.B
p276	8	PL1/4"X1 3/4"	0'-4"	4	A36
1128BR5	2	BRACES			SQ-2
1128BR5	2	HSS4X4X3/16	12'-3 3/8"	216	A500-GR.B
p276	8	PL1/4"X1 3/4"	0'-4"	4	A36
1128BR6	2	BRACES			SQ-2
1128BR6	2	HSS4X4X3/16	12'-6 3/4"	221	A500-GR.B
p276	8	PL1/4"X1 3/4"	0'-4"	4	A36
TOTAL WEIGHT THIS DRAWING				3166	

Total Qty.	Unit Qty.	Bolt Size & Length	
10	4	BOLT 3/4" Ø A307	0'-5"
10	2	BOLT 3/4" Ø A307	0'-6"
10	4	BOLT 3/4" Ø A325N	0'-5 1/4"
10	2	BOLT 3/4" Ø A325N	0'-6 1/4"

△		
△		
△		
△	For Approval	02/16/2016
NO.	REVISION	DATE
PROJECT NAME: STERLING NORTHGATE		
LOCATION:		
CONTR: -		
DRAWN BY: KMR	DATE: 02/16/2016	CHECKED BY: DRN
JOB NO. -	BRACE	SHEET NO. 1128