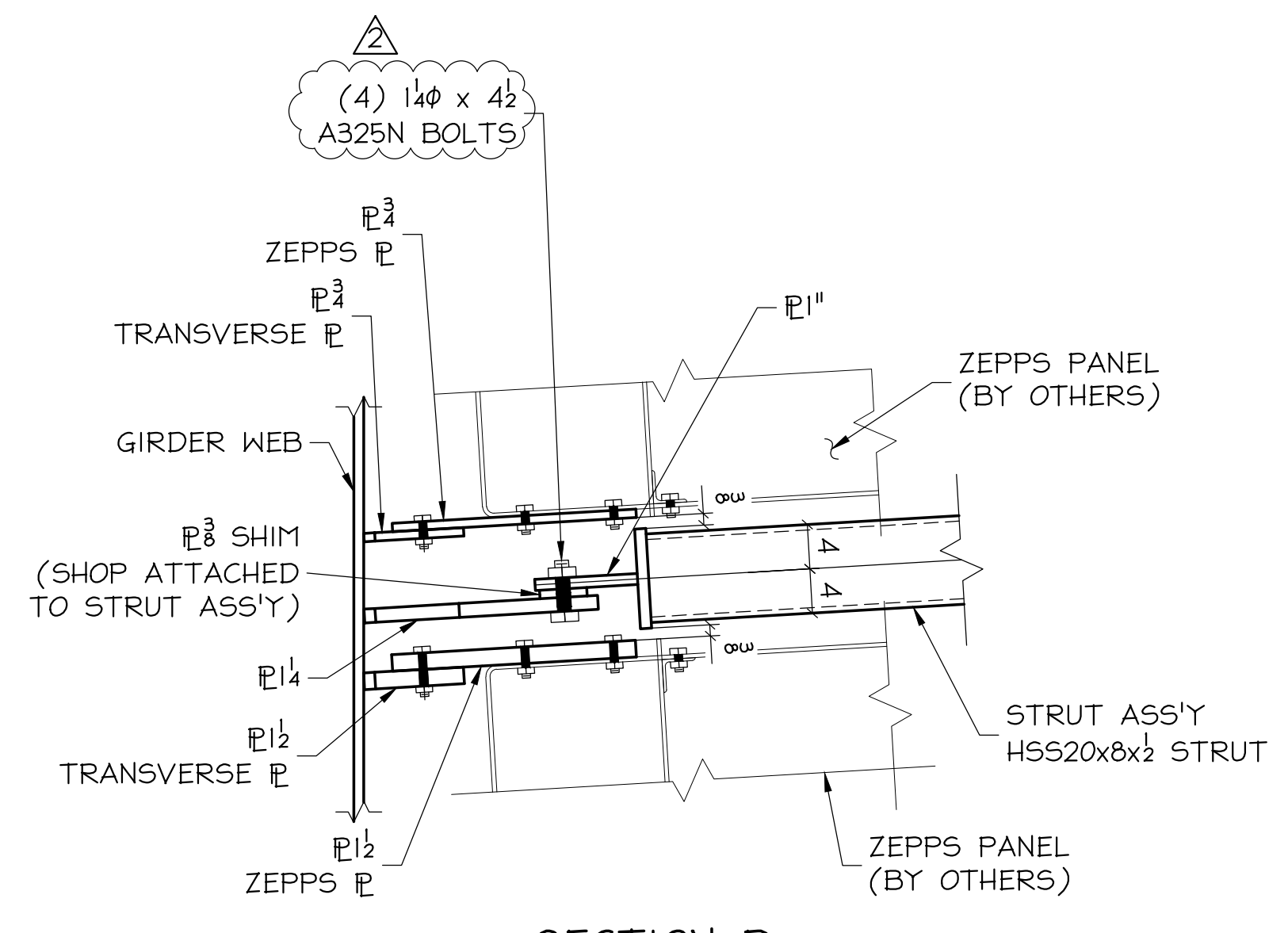
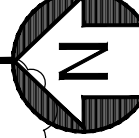
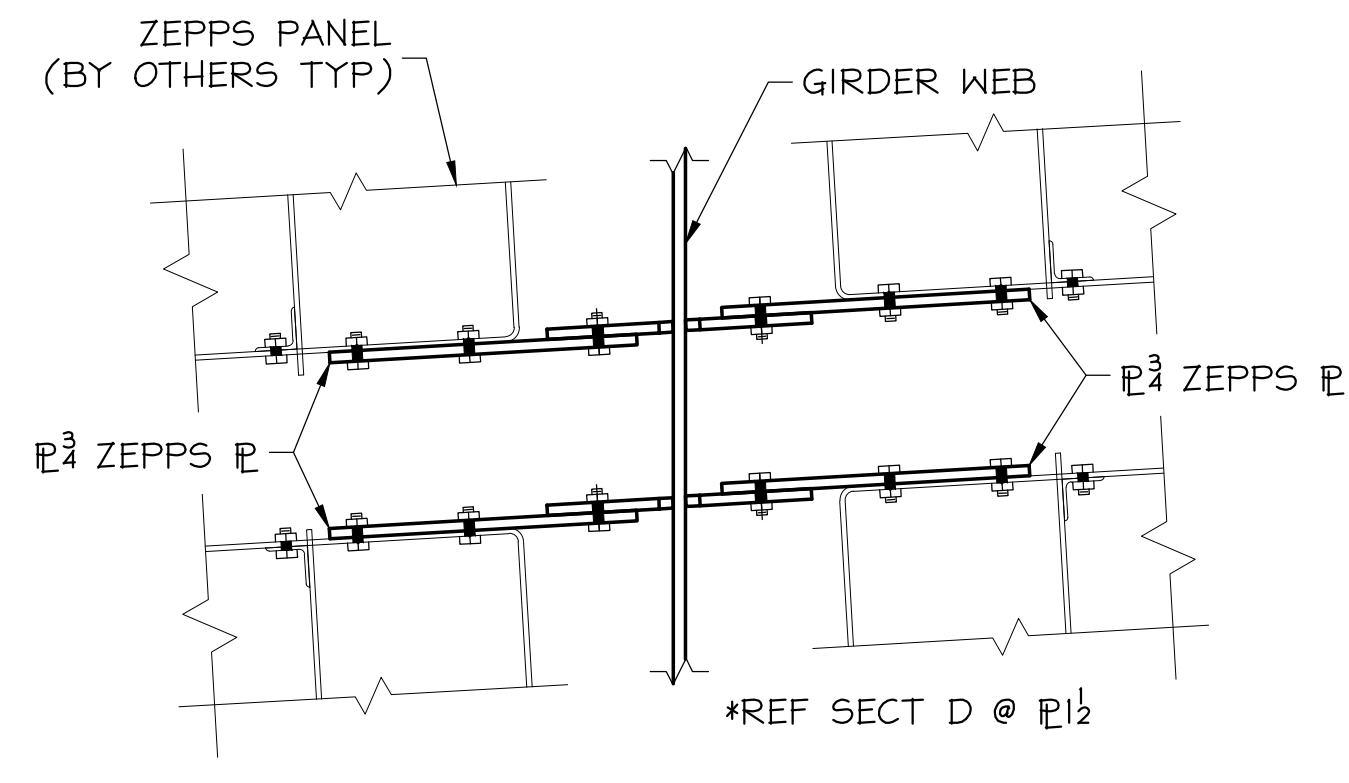


**GIRDER FRAMING PLAN**

ALL BOLTS AT HSS20x8x2 STRUTS ARE TO BE 1/4" x 4 A325N BOLTS U.N.O.



**SECTION D**  
REF DESIGN: GS124  
**SHIMMED STRUT CONNECTIONS AT EAST & WEST EDGES.**



**TYP ZEPPS PANEL CONN. DETAIL**  
DESIGN REF: GS125

ZEPPS CONNECTION P DESCRIPTION		A325N BOLTS
29A	P1/2 x 20 x 2'-9 w/STD HOLES	(6) 3/4" x 4"
29B	P3/4 x 20 x 2'-9 w/STD HOLES	(6) 3/4" x 2 3/4"
29C	P1/2 x 22 x 2'-9 w/SLOTTED HOLES	(6) 3/4" x 4"
29D	P3/4 x 22 x 2'-9 w/SLOTTED HOLES	(6) 3/4" x 2 3/4"
29F	P1/2 x 22 x 2'-9 w/STD HOLES	(6) 3/4" x 4"
29G	P3/4 x 22 x 2'-9 w/STD HOLES	(6) 3/4" x 2 3/4"

J:\COLUMBIA-WEE-AND-IRON\40-001-001\_ORANGE\_LINE\PLANS\LE01.DWG 6/8/10 9:17am HAL9000 gencr.cdw



REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
2	6/8/10	GDC	ADDED FIELD BOLT CLARIFICATION		
1	6/1/10	GDC	ISSUE FOR FIELD USE	FOR FABRICATION	
C	3/25/10	GDC	ISSUED WF WEB P'S, ZEPPS P'S & BOX FLG ACCESS P'S FOR APPL	FOR FABRICATION	
B	3/15/10	GDC	ISSUED STRUTS FOR APPROVAL & MARKS IN PLAN	FOR PURCHASING	
A	2/2/10	GDC	ISSUED FOR PARTIAL APPL GIRDER MARKS AT GRIDS 2-10	FOR APPROVAL	

MIC-EARLINGTON HEIGHTS CONNECTOR  
MIAMI INTERMODAL CENTER / MAIN CANOPY  
MIAMI, DADE COUNTY

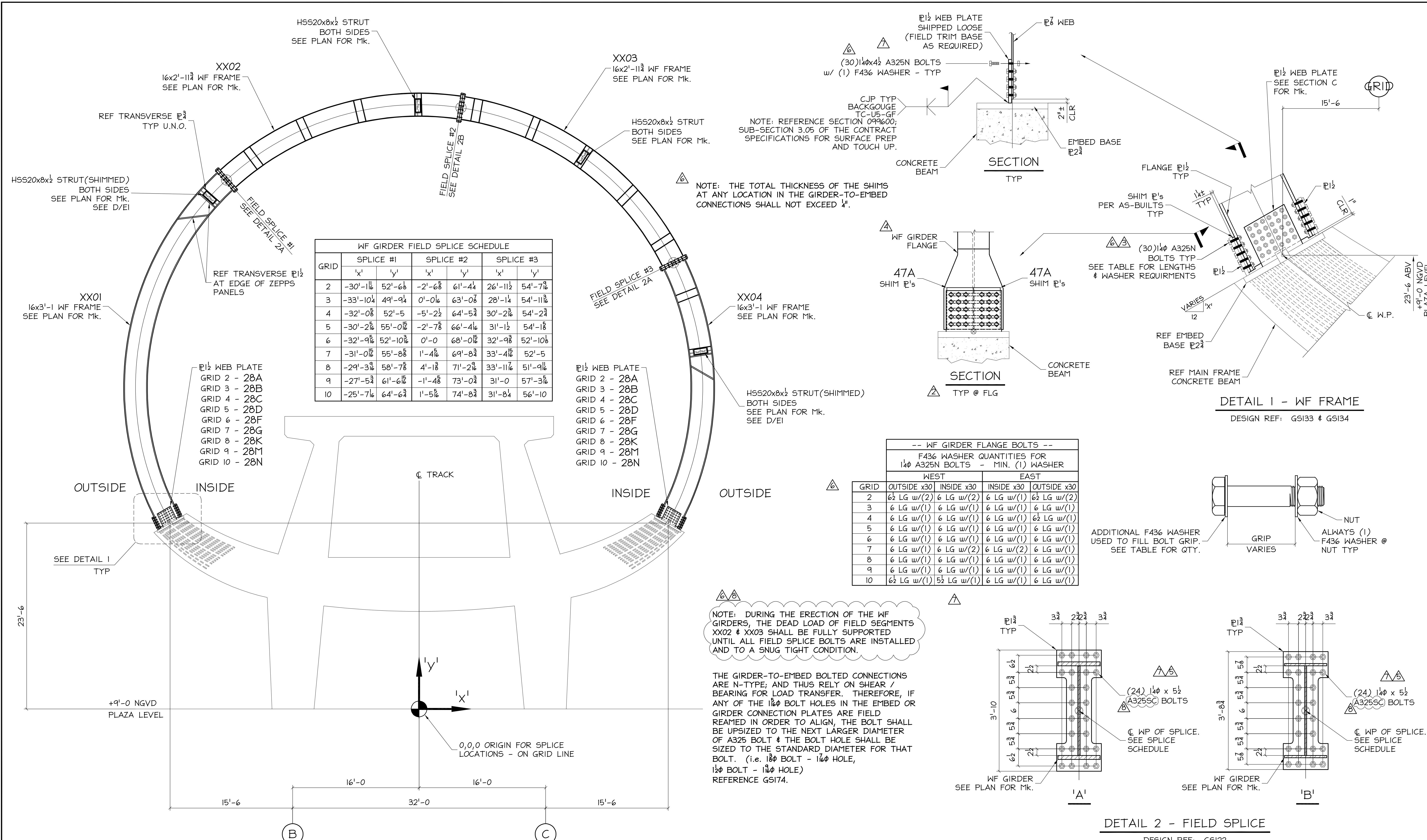
ENC'R: GENESIS  
CONTR: ODTG

ADI / ANGLE DETAILING, INC.  
ADI JOB# 40-001-001

**STEEL FABRICATORS**  
721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

DRAWN BY: GDC  
CHK'D BY: GBA  
JOB NO: 40-001-001  
DWG. NO: EI

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN



**WF GIRDER FIELD SPLICE SCHEDULE**

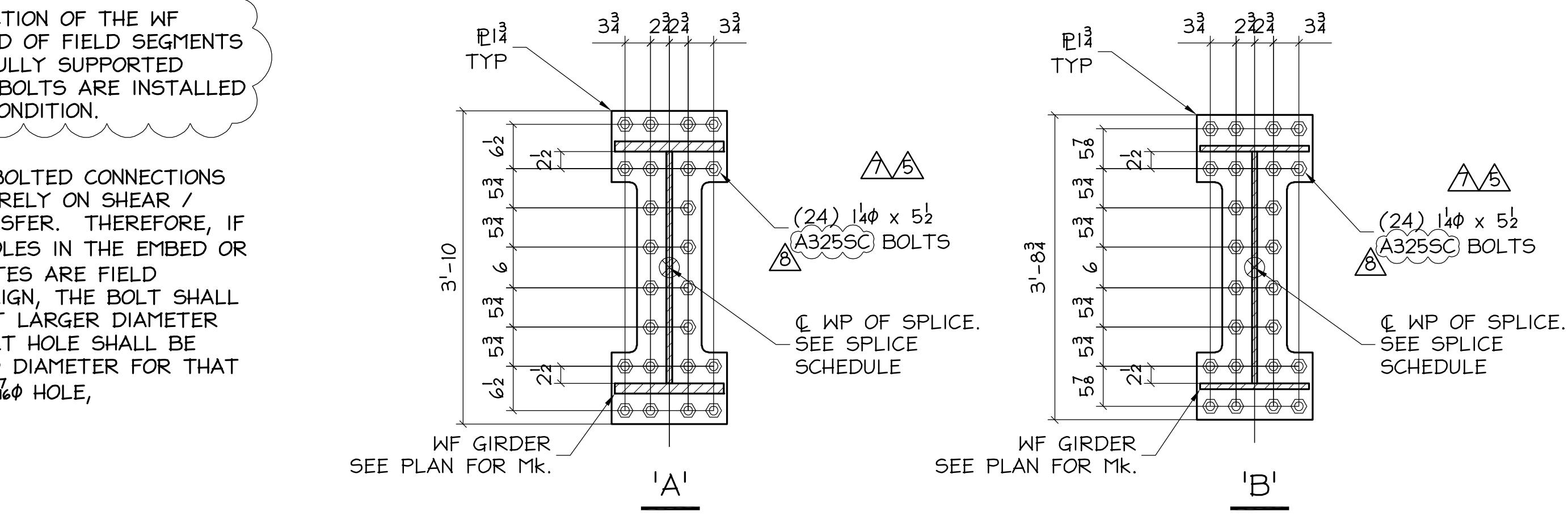
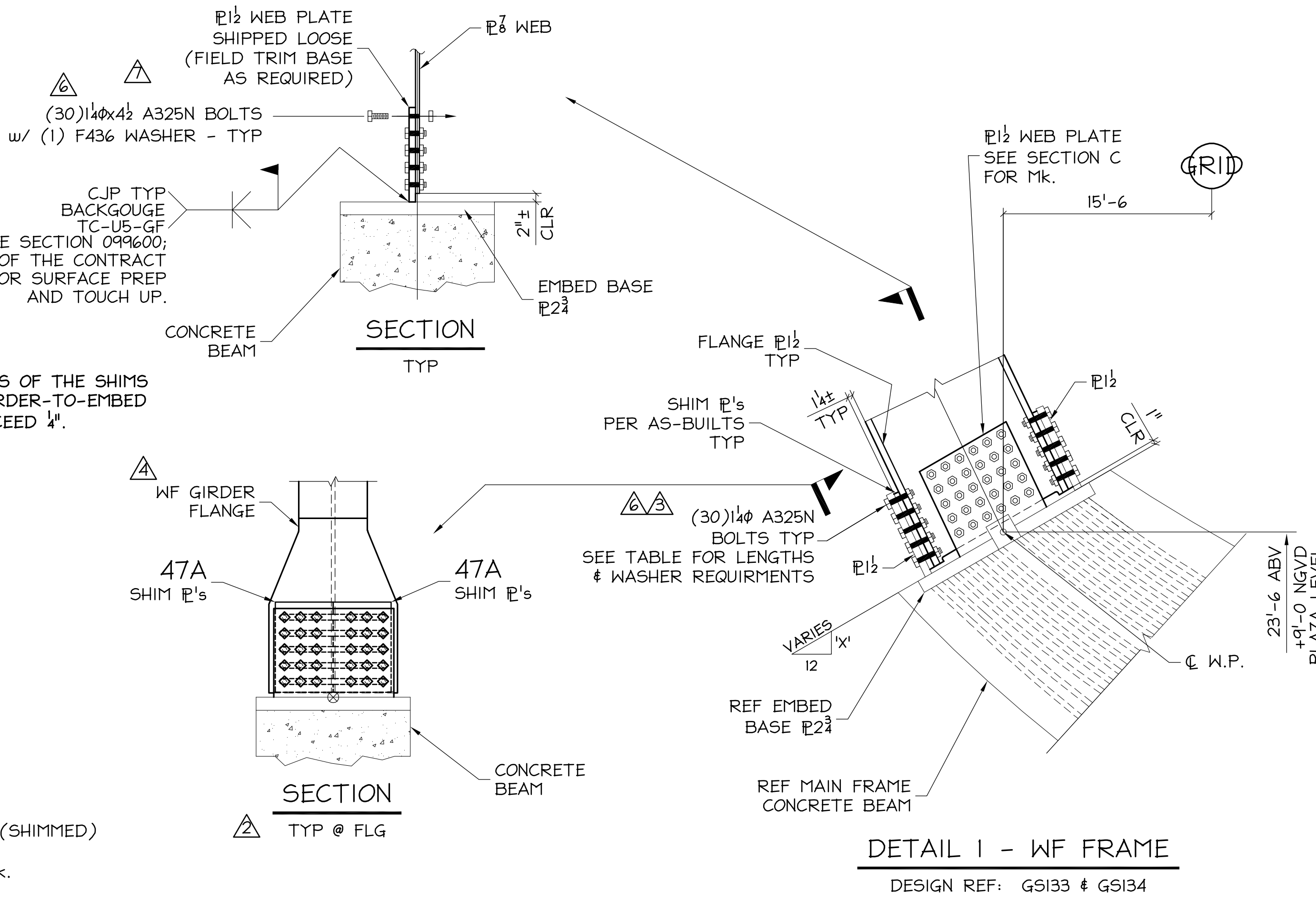
GRID	SPLICE #1		SPLICE #2		SPLICE #3	
	'x'	'y'	'x'	'y'	'x'	'y'
2	-30'-1 1/8	52'-6 3/8	-2'-6 3/8	61'-4 1/8	26'-11 1/2	54'-7 1/8
3	-33'-10 1/4	49'-9 1/4	0'-0	63'-0 3/8	28'-1 1/4	54'-11 1/8
4	-32'-0 3/8	52'-5	-5'-2 1/2	64'-5 3/8	30'-2 1/8	54'-2 3/8
5	-30'-2 1/8	55'-0 1/8	-2'-7 3/8	66'-4 1/8	31'-1 1/2	54'-1 3/8
6	-32'-9 1/8	52'-10 1/8	0'-0	68'-0 1/8	32'-9 3/8	52'-10 3/8
7	-31'-0 1/8	55'-8 3/8	1'-4 1/8	69'-8 3/8	33'-4 1/8	52'-5
8	-29'-3 1/8	58'-7 3/8	4'-1 3/8	71'-2 1/8	33'-11 1/8	51'-9 1/8
9	-27'-5 3/8	61'-6 1/8	-1'-4 3/8	73'-0 3/8	31'-0	57'-3 3/8
10	-25'-7 1/8	64'-6 3/8	1'-5 3/8	74'-8 3/8	31'-8 1/4	56'-10

**-- WF GIRDER FLANGE BOLTS --**  
F436 WASHER QUANTITIES FOR 1/4" A325N BOLTS - MIN. (1) WASHER

GRID	WEST		EAST	
	OUTSIDE x30	INSIDE x30	INSIDE x30	OUTSIDE x30
2	6 1/2 LG w/(2)	6 LG w/(2)	6 LG w/(1)	6 1/2 LG w/(2)
3	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)
4	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)	6 1/2 LG w/(1)
5	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)
6	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)
7	6 LG w/(1)	6 LG w/(2)	6 LG w/(2)	6 LG w/(1)
8	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)
9	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)	6 LG w/(1)
10	6 1/2 LG w/(1)	5 1/2 LG w/(1)	6 LG w/(1)	6 LG w/(1)

NOTE: DURING THE ERECTION OF THE WF GIRDERS, THE DEAD LOAD OF FIELD SEGMENTS XX02 & XX03 SHALL BE FULLY SUPPORTED UNTIL ALL FIELD SPLICE BOLTS ARE INSTALLED AND TO A SNUG TIGHT CONDITION.

THE GIRDER-TO-EMBED BOLTED CONNECTIONS ARE N-TYPE; AND THUS RELY ON SHEAR / BEARING FOR LOAD TRANSFER. THEREFORE, IF ANY OF THE 1/4" BOLT HOLES IN THE EMBED OR GIRDER CONNECTION PLATES ARE FIELD REAMED IN ORDER TO ALIGN, THE BOLT SHALL BE UPSIZED TO THE NEXT LARGER DIAMETER OF A325 BOLT & THE BOLT HOLE SHALL BE SIZED TO THE STANDARD DIAMETER FOR THAT BOLT. (i.e. 1/4" BOLT - 1/4" HOLE, 1/2" BOLT - 1/2" HOLE) REFERENCE GSI74.



**SECTION C - WF GIRDER**  
DESIGN REF: GSI02 THROUGH GSI10  
FOR GIRDER SEGMENT MARKS, 'XX' REFERS TO THE GRID THAT THE GIRDER IS ON.  
NOTE: GIRDER PROFILE NOT TO SCALE

**DETAIL 2 - FIELD SPLICE**  
DESIGN REF: GSI22



REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
8	6/24/10	GDC	REVISED FIELD SPLICE BOLTS		
7	6/16/10	GDC	REVISED BOLT LENGTHS		
6	6/15/10	GDC	ADDED FIELD BOLT INFO FOR GIRDER TO EMBED		
5	6/8/10	GDC	ADDED FIELD BOLT CLARIFICATION		
4	6/4/10	TLP	FINGER SHIM RE-APPROVAL	FOR FABRICATION	
3	6/3/10	TLP	REMOVED NOTES FOR REAMING OF HOLES	FOR FABRICATION	
2	6/2/10	TLP	ISSUE FOR FINGER SHIM APPROVAL	FOR PURCHASING	
1	6/1/10	TLP	ISSUE FOR FIELD USE	FOR APPROVAL	
A	3/25/10	GDC	ISSUED WF WEB P'S, ZEPPS P'S & BOX FLG ACCESS P'S FOR APPL		

**MIC-EARLINGTON HEIGHTS CONNECTOR**  
MIAMI INTERMODAL CENTER / MAIN CANOPY  
MIAMI, DADE COUNTY

ENGR: GENESIS  
CONTR: ODTG

ADI / ANGLE DETAILING, INC.  
ADI JOB# 40-001-001

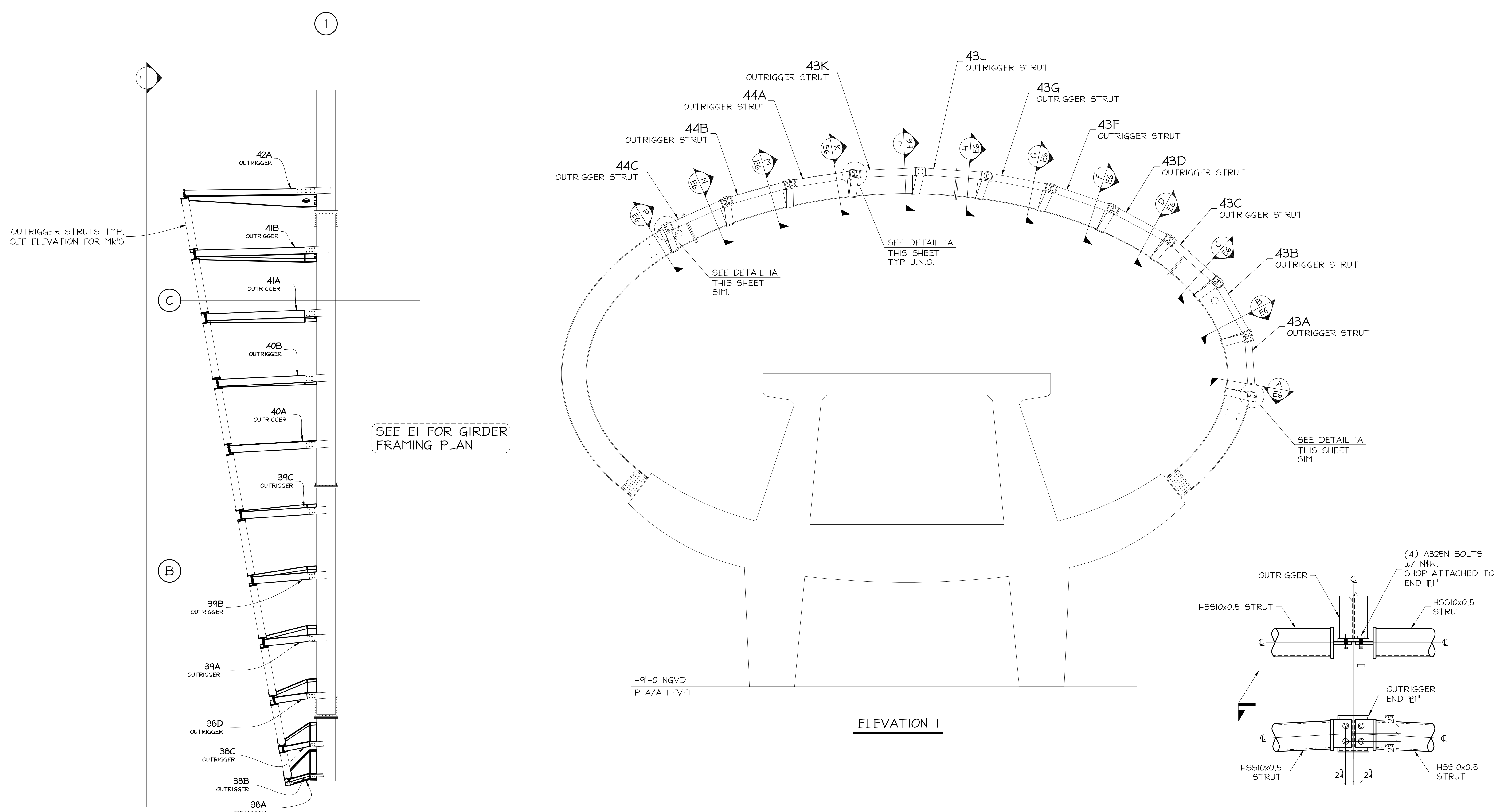
**STEEL FABRICATORS**  
721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334  
www.cwil.com/503-286-6600

DRAWN BY: GDC  
CHK'D BY: GA  
JOB NO: 40-001-001  
DWG. NO: E4

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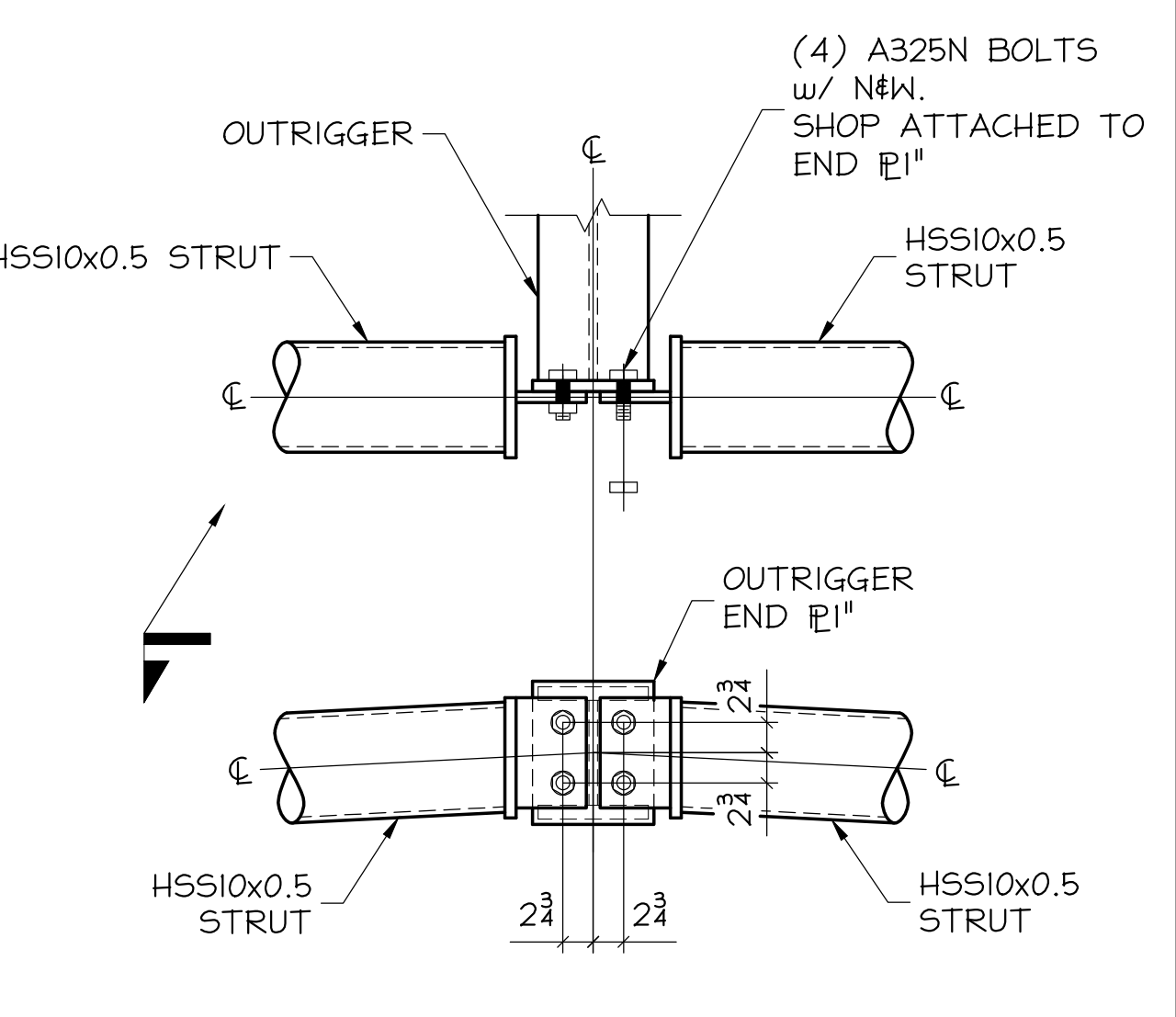
VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN

J:\COLUMBIA-WEE-AND-IRON-40-001-001\_ORANGE\_LINE\ADI\_SUBMITTAL\_RECORD\20100512-01(GRIDER-I-AND-11-BROW)E005.DWG 5/12/10 11:08am VIRTUAL\_XP\_gjfrubard



**GRID I BROW PLAN**  
REF: GEI01 & GEI03

**ELEVATION I**



**DETAIL IA**  
AT SIM1, HSS10x0.5 STRUTS OCCUR AT ONLY ONE SIDE OF OUTRIGGER.



QUALITY CERTIFIED  
CATEGORY I, II & III

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN

REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
I	5/11/10	TLP	ISSUE FOR FIELD USE		
A	4/23/10	GDC	ISSUE FOR APPROVAL		

**MIC-EARLINGTON HEIGHTS CONNECTOR**  
MIAMI INTERMODAL CENTER / MAIN CANOPY  
MIAMI, DADE COUNTY

ENGR: GENESIS  
CONTR: ODTG

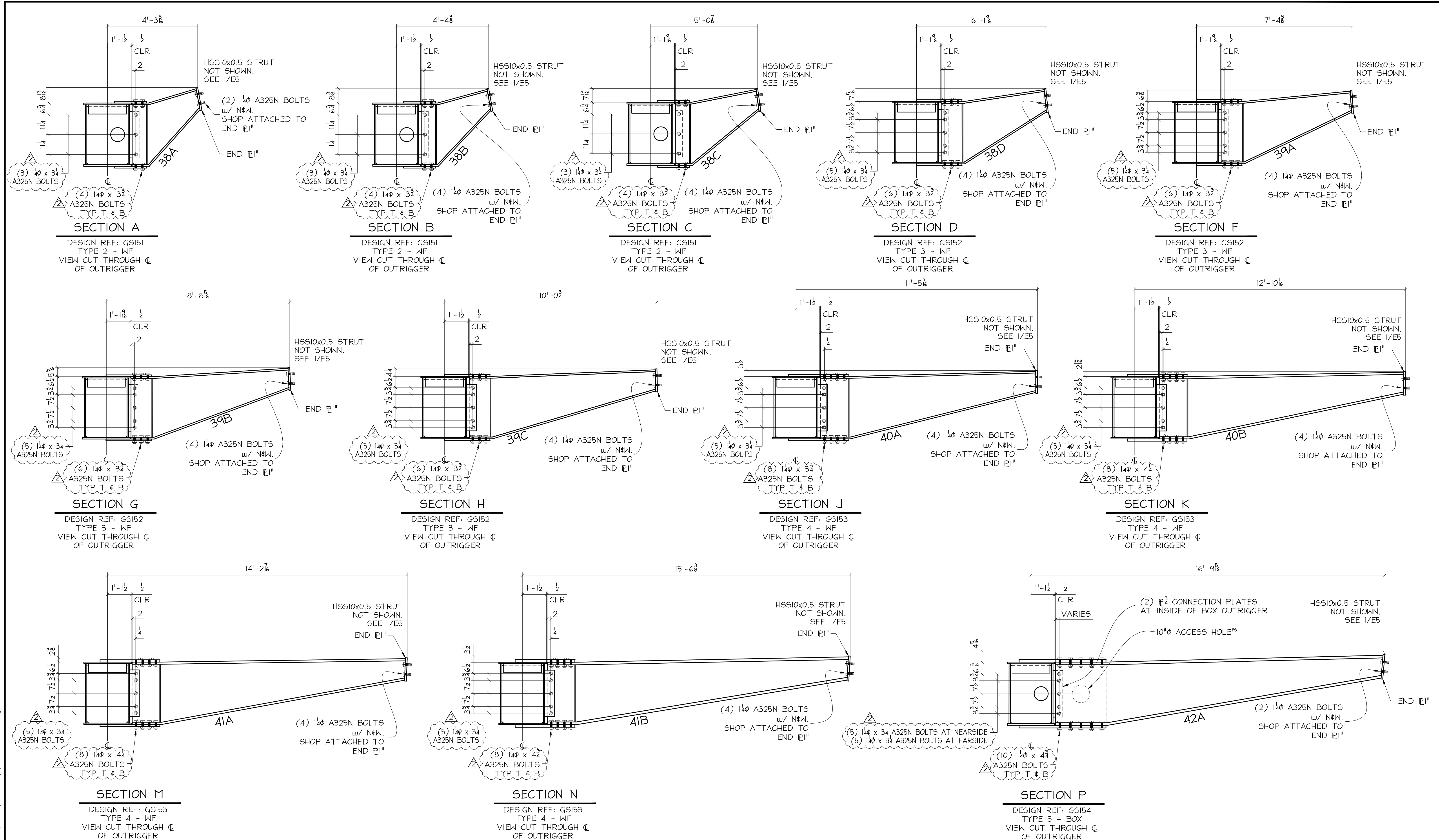
ADI / ANGLE DETAILING, INC.  
ADI JOB# 40-001-001

**STEEL FABRICATORS**  
721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334  
www.cwil.com/503-286-6600

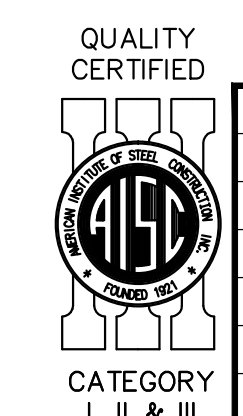
DRAWN BY: GDC  
CHK'D BY: GA  
JOB NO: 40-001-001  
DWG. NO: E5







J:\COLUMBIA-WRE-AND-IRON-40-001-001-ORANGE\_LINE\PLANS\LEG06.DWG 6/8/10 9:18am HAL/9000 gcr/clark



CATEGORY  
 I, II & III

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN

REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
2	6/8/10	GDC	ADDED FIELD BOLT CLARIFICATION	FOR FABRICATION	
1	5/11/10	TLP	ISSUE FOR FIELD USE	FOR FABRICATION	
A	4/23/10	GDC	ISSUE FOR APPROVAL	FOR PURCHASING	
				FOR APPROVAL	

**MIC-EARLINGTON HEIGHTS CONNECTOR**  
 MIAMI INTERMODAL CENTER / MAIN CANOPY  
 MIAMI, DADE COUNTY

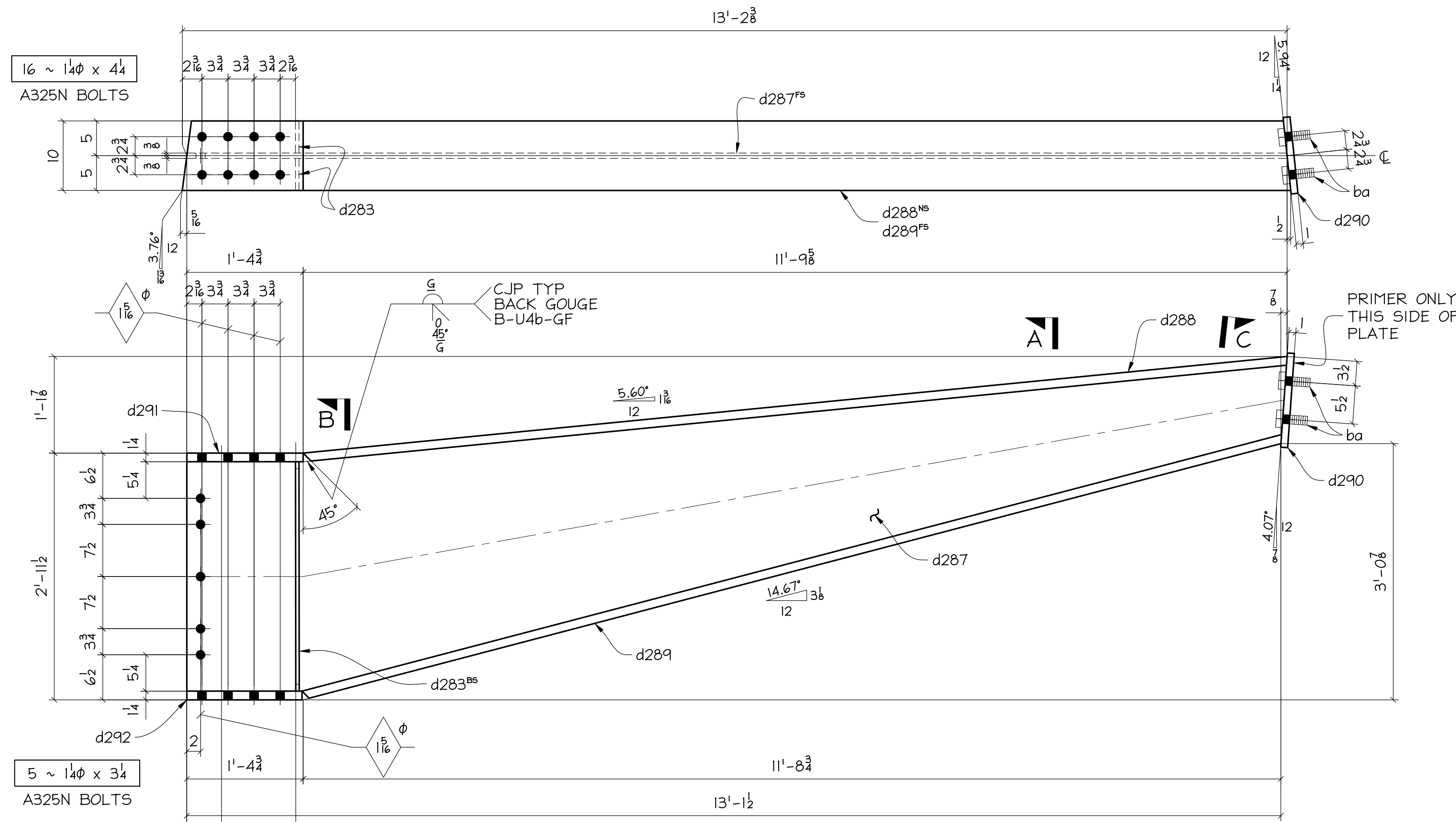
ENCR: GENESIS  
 CONTR: ODTG

**STEEL FABRICATORS**  
 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334  
 www.cwil.com/503-286-6600

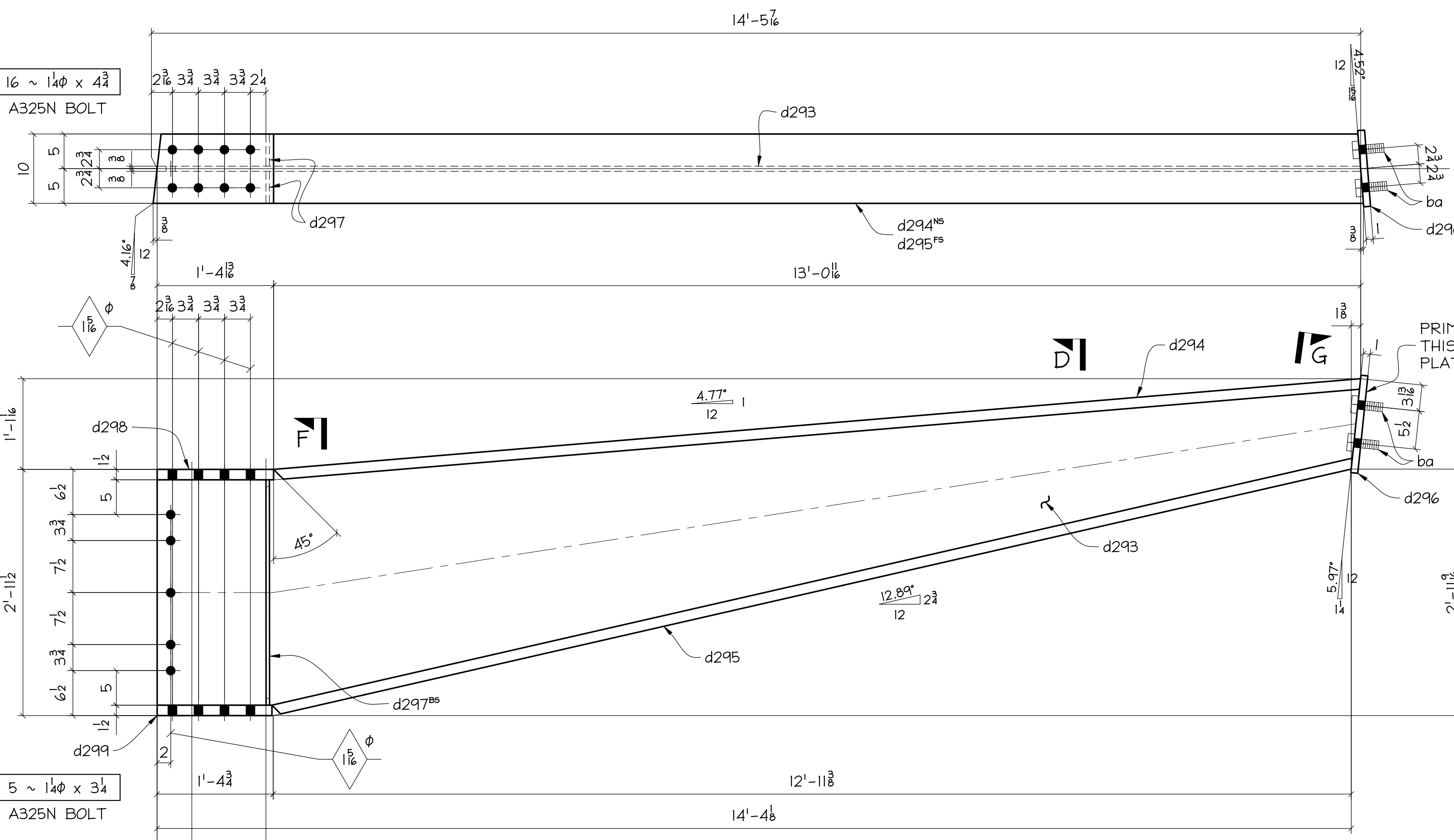
ADI / ANGLE DETAILING, INC.  
 ADI JOB# 40-001-001

DRAWN BY: GDC  
 CHK'D BY: GA  
 JOB NO: 40-001-001  
 DWG. NO: E6

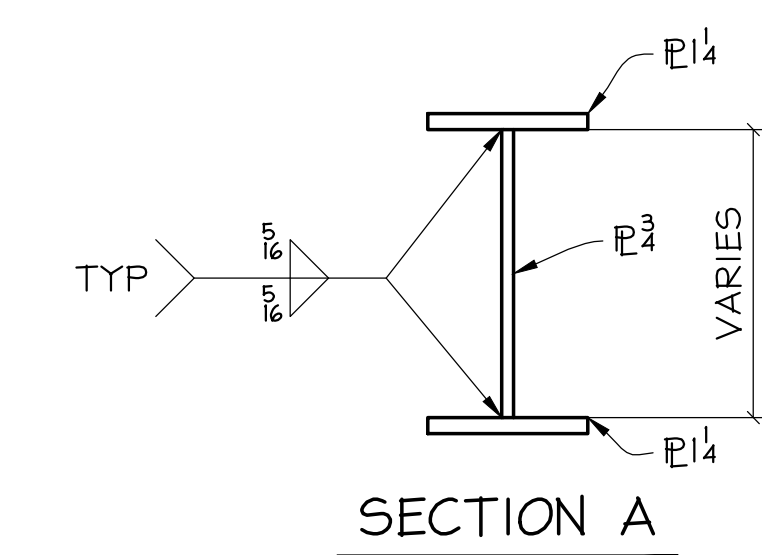
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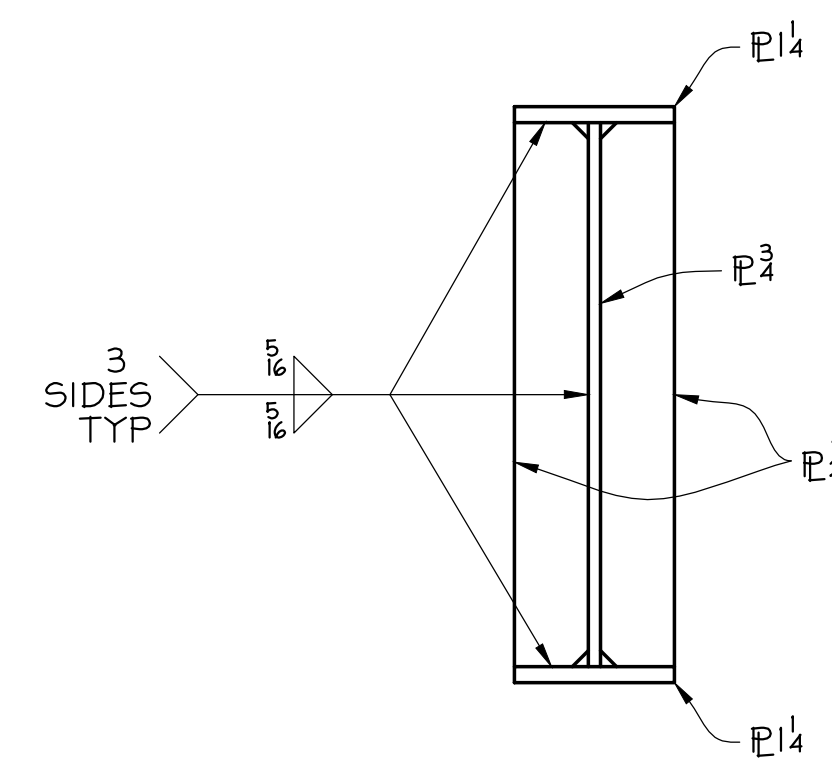
**34A ~ OUTRIGGER ASS'Y ~ ONE**  
DESIGN REF: G5153 (TYPE 4)



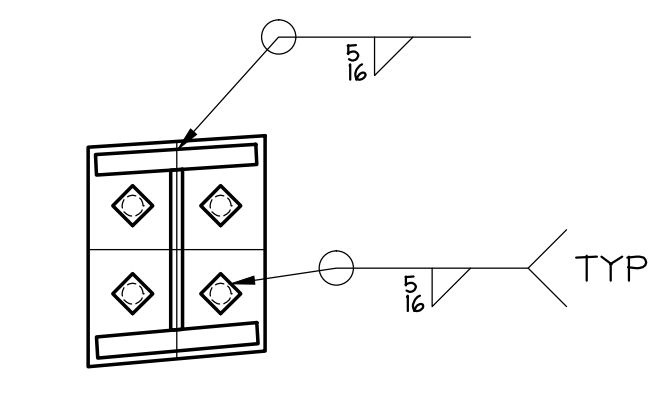
**34B ~ OUTRIGGER ASS'Y ~ ONE**  
DESIGN REF: G5153 (TYPE 4)



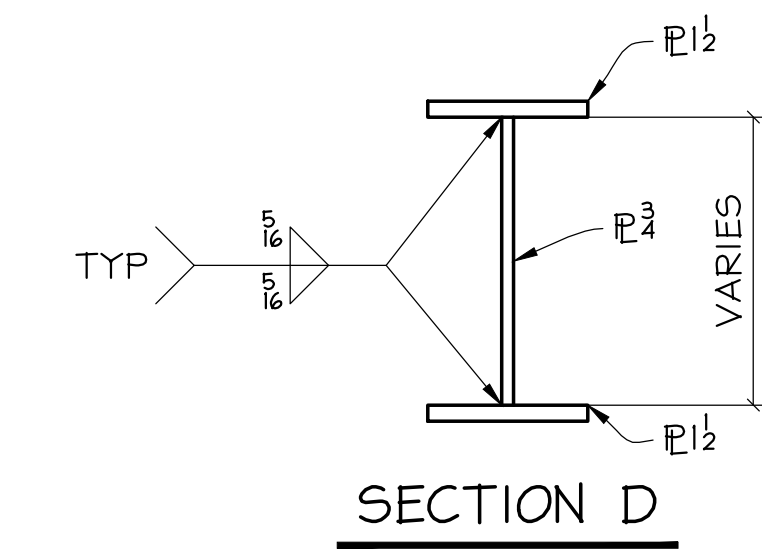
**SECTION A**



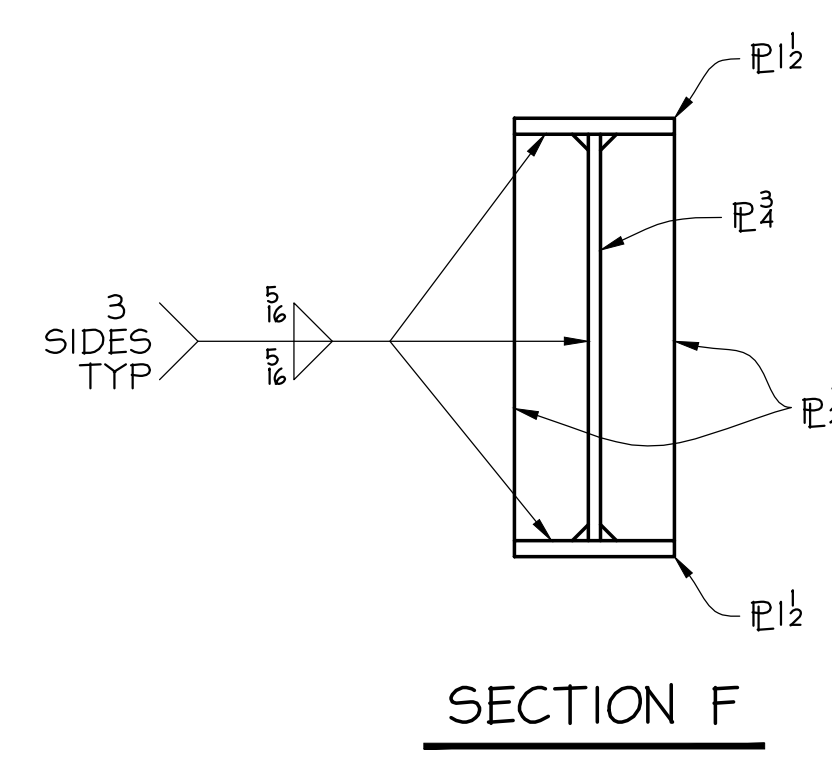
**SECTION B**



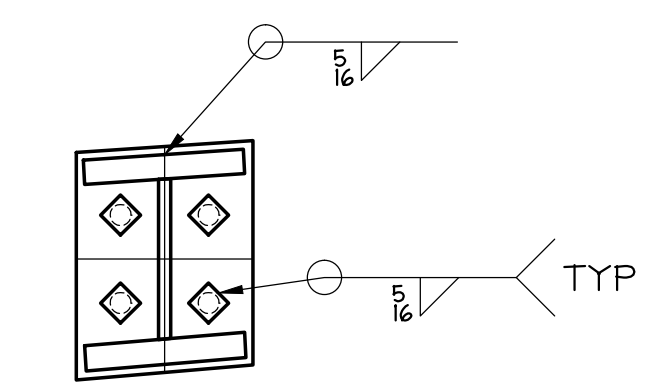
**SECTION C**  
NOT TO SCALE



**SECTION D**



**SECTION F**



**SECTION G**  
NOT TO SCALE

**BROW STEEL FOR ZONE II**

**BILL OF MATERIAL**

NO. TO SHIP	SHIP MARK	TOTAL No	PC MARK	DESCRIPTION	LENGTH		REMARKS	WEIGHT	
					FT.	IN.		UNIT	TOTAL
ONE	34A	2	d283	1/2 x 4 1/2	2	9			
		1	d287	1/2 x 4 1/2	13	2 1/2			
		1	d288	1/4 x 10	11	10 1/2			
		1	d289	1/4 x 10	12	2 1/4			
		1	d290	1/4 x 11 1/2	1	1 1/2			
		1	d291	1/4 x 10	1	5 1/2			
		1	d292	1/4 x 10	1	4 1/2			
		4	ba	1/4 A325N BOLTS	0	3 3/4	W/ N4W		
ONE	34B	1	d293	1/2 x 45 1/2	14	5 1/2			
		1	d294	1/2 x 10	13	1 1/2			
		1	d295	1/2 x 10	13	4 1/2			
		1	d296	1/2 x 11	1	2 1/2			
		2	d297	1/2 x 4 1/2	2	8 1/2			
		1	d298	1/2 x 10	1	5 1/2			
		1	d299	1/2 x 10	1	4 1/2			
		4	ba	1/4 A325N BOLTS	0	3 3/4	W/ N4W		
FIELD BOLTS									
		16	-	1/4 A325N BOLTS	0	4 1/2	W/ N4W		
		16	-	1/4 A325N BOLTS	0	4 1/2	W/ N4W		
		10	-	1/4 A325N BOLTS	0	3 1/2	W/ N4W		

**FABRICATION NOTES:**  
 HOLES UNO: 1 1/8"  
 WELD: E70XX  
 REF DWG: E7 & E8  
 MATERIAL UNO: A572 GR 50, W-A992  
 HSS=A500 GRB  
 PAINT: NO PAINT AS NOTED  
 SHERWIN WILLIAMS PAINT SYSTEM PER SPECS

**NOTES:**  
 SC = SLIP CRITICAL  
 AT SC, CLEAN & DEBURR SLOTS

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED, WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN.



REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
I	5/11/10	TLP	ISSUE FOR FABRICATION	FOR FABRICATION	
A	4/19/10	TLP	ISSUE FOR APPROVAL	FOR PURCHASING	

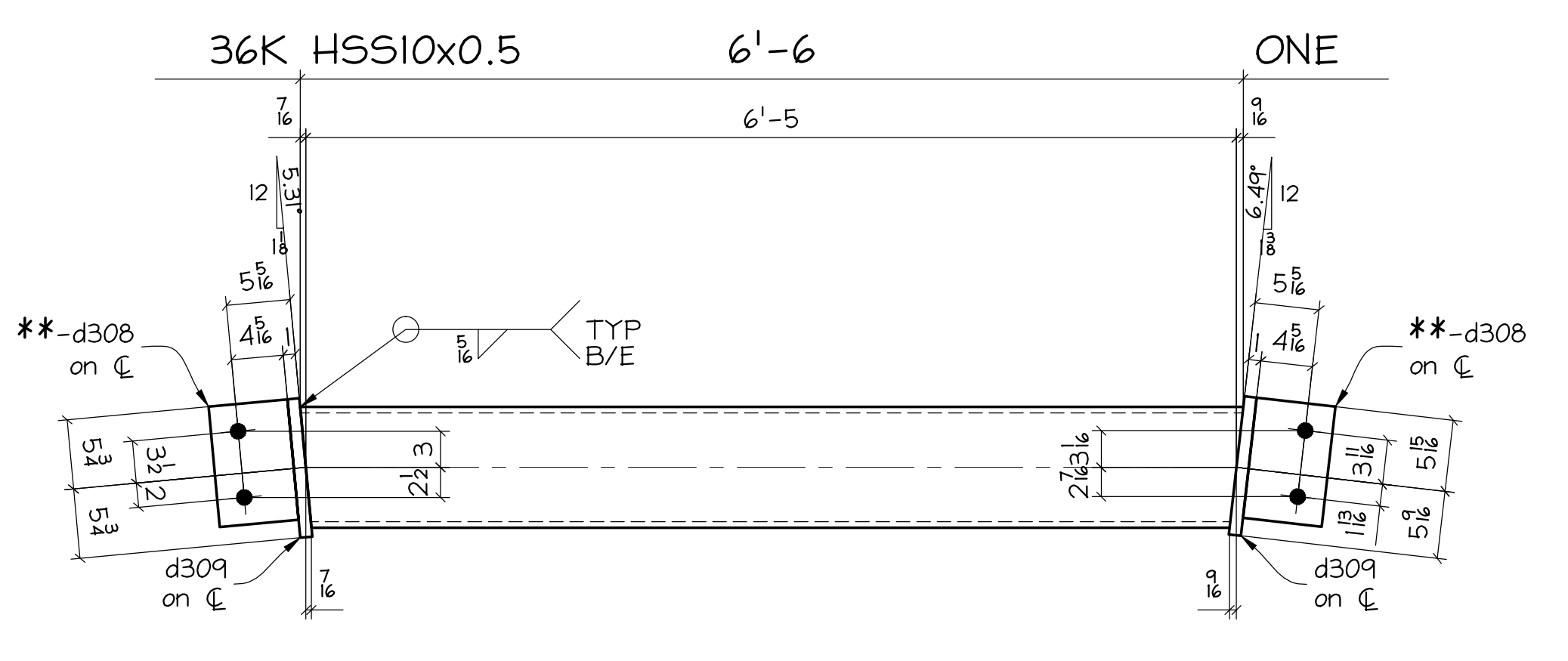
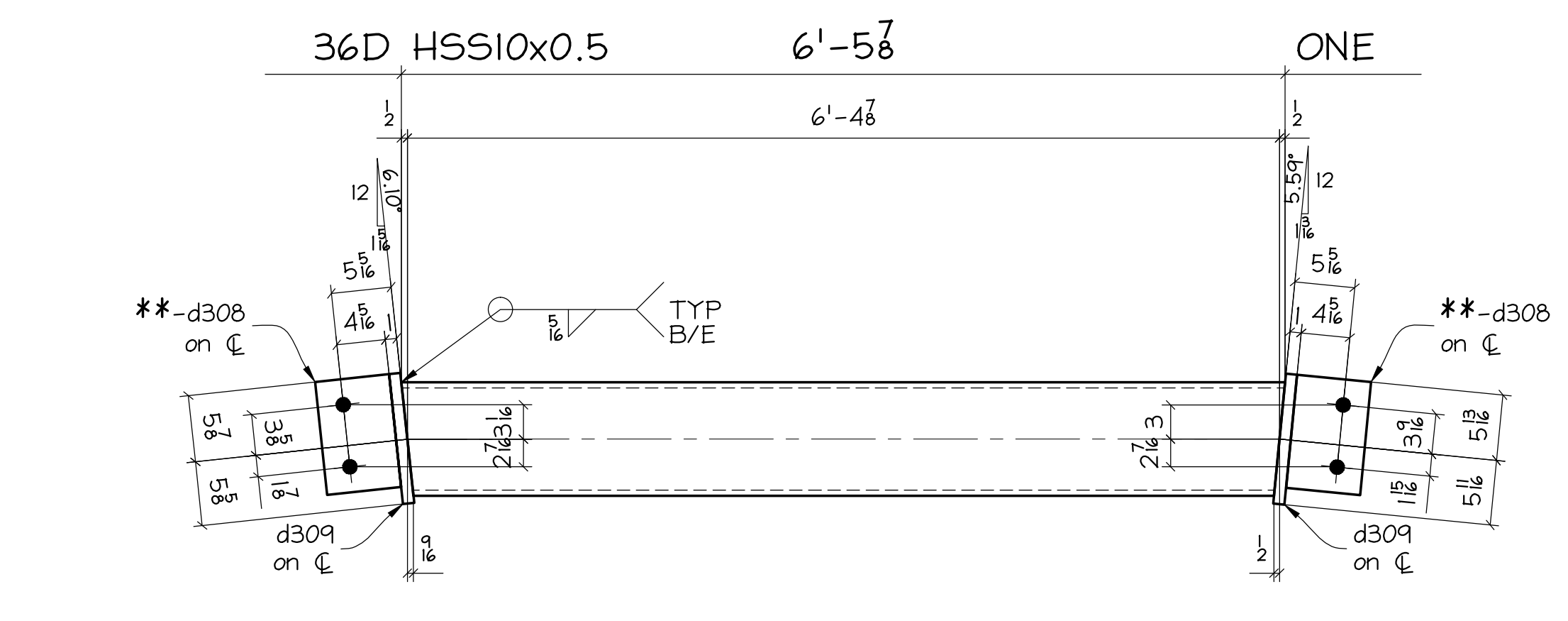
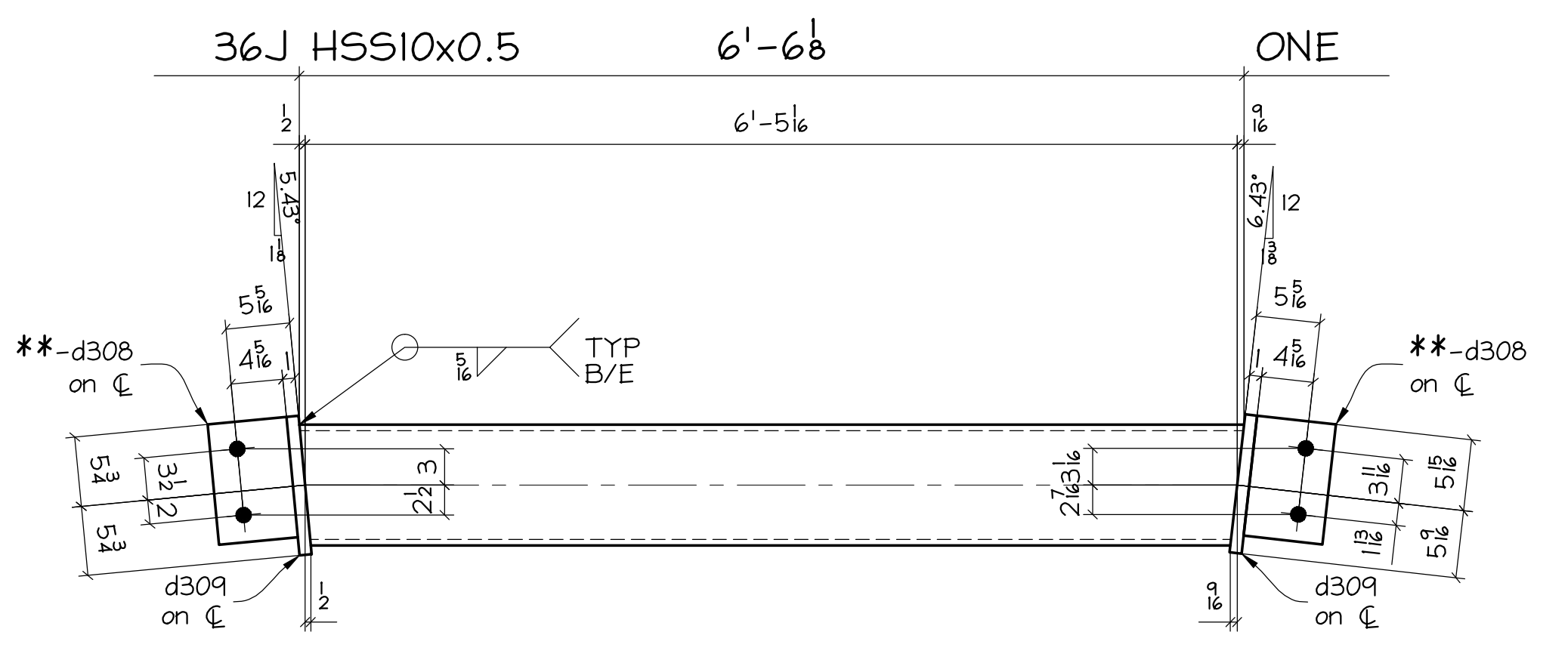
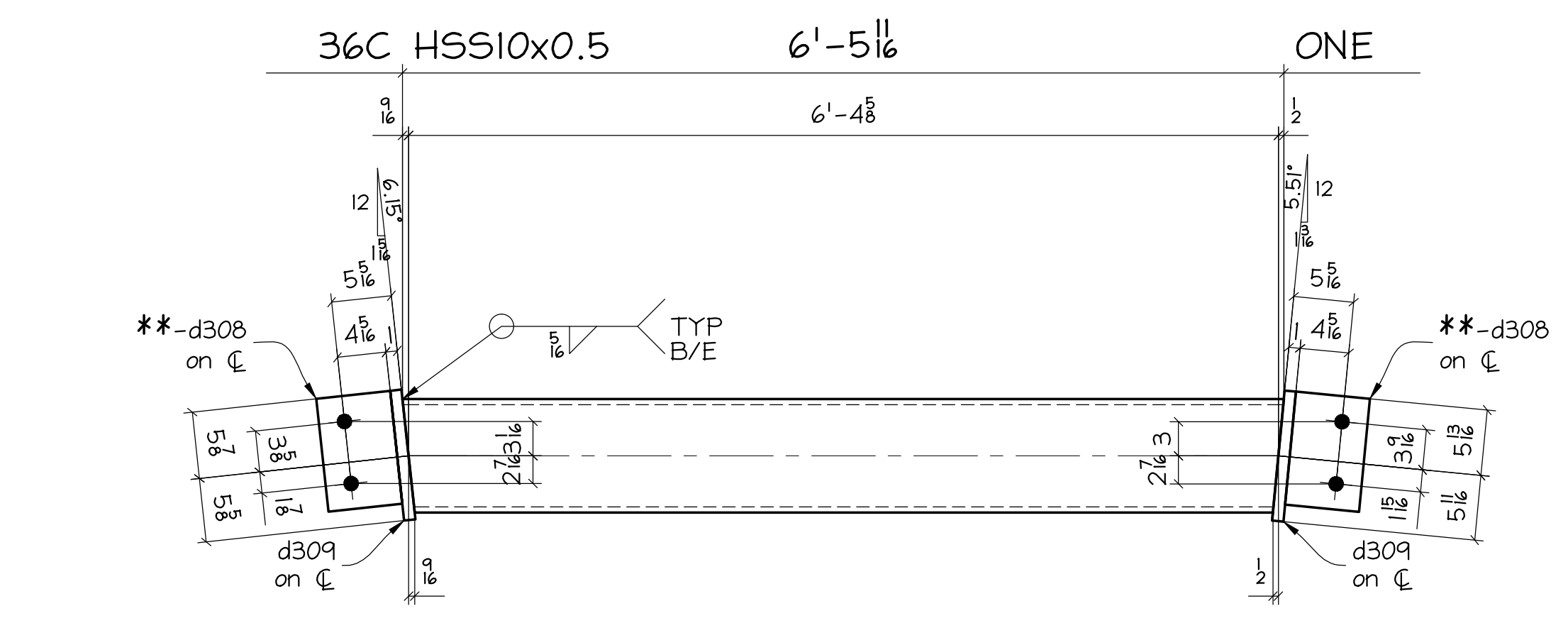
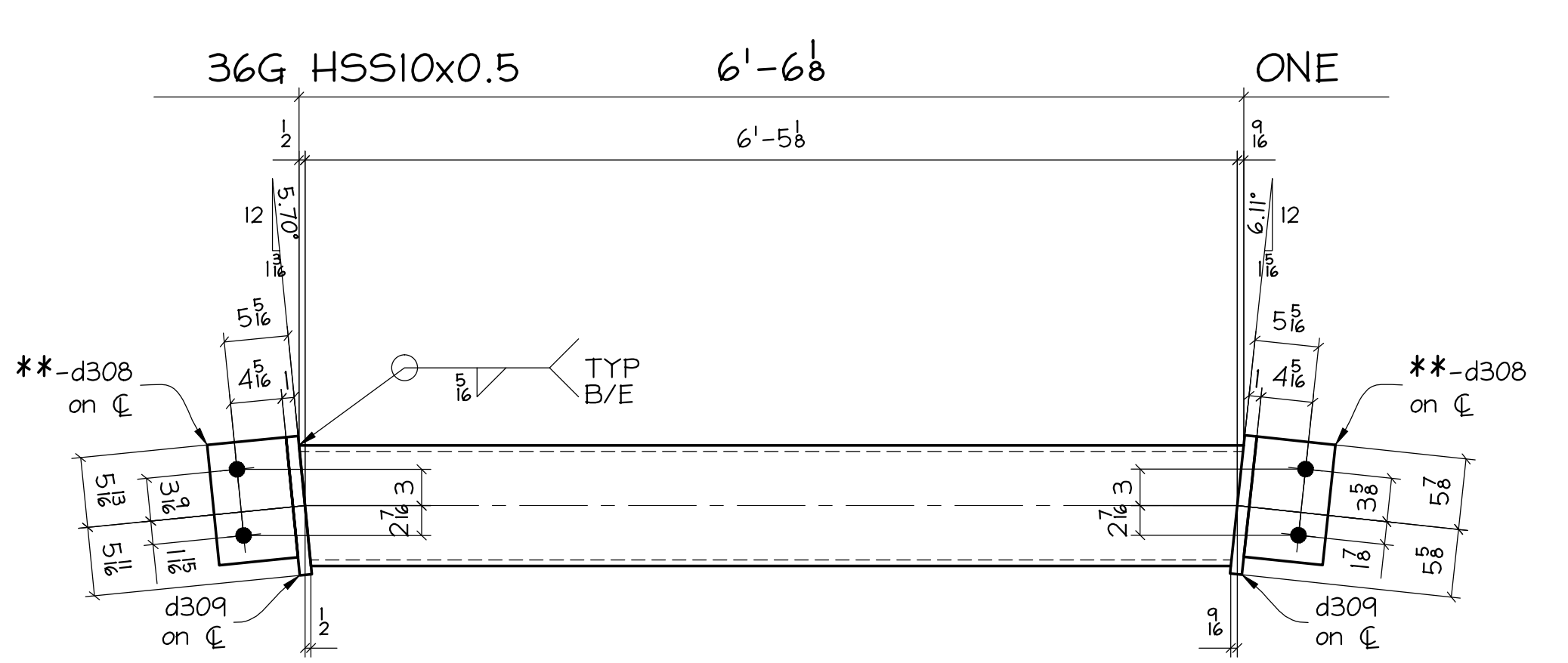
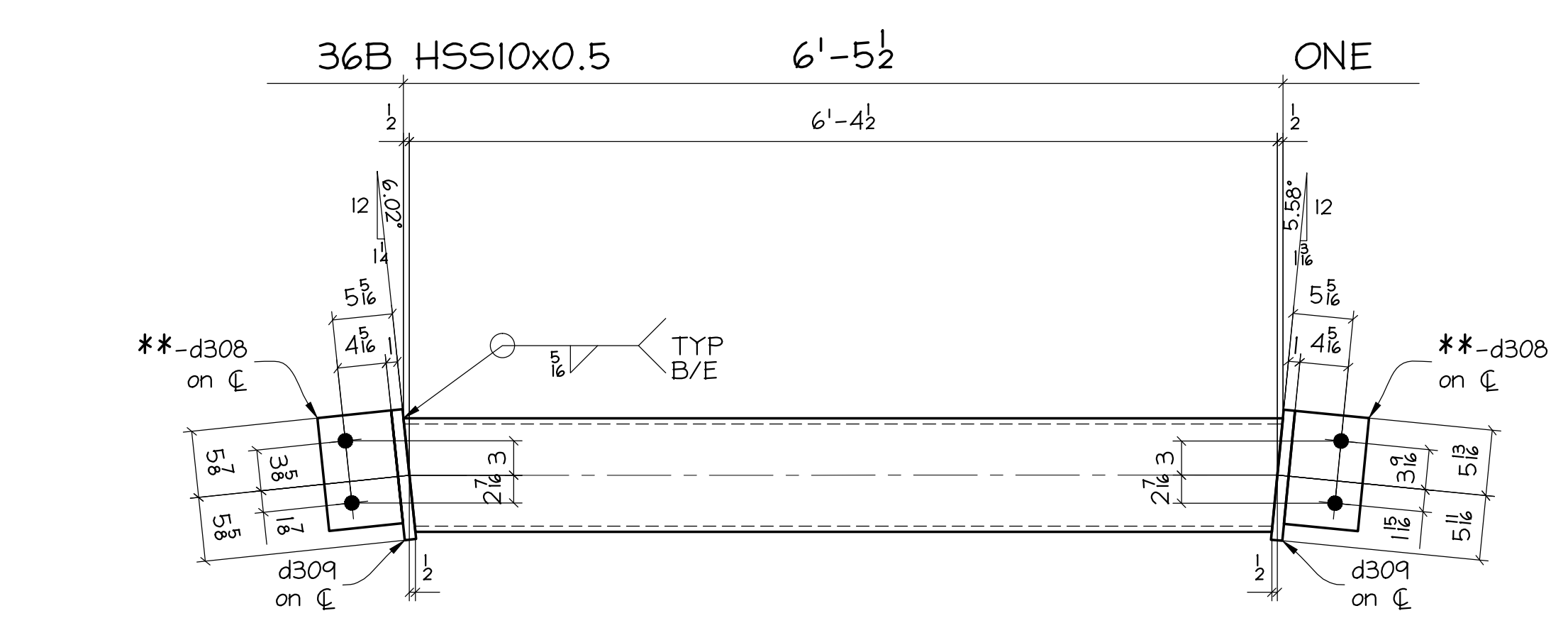
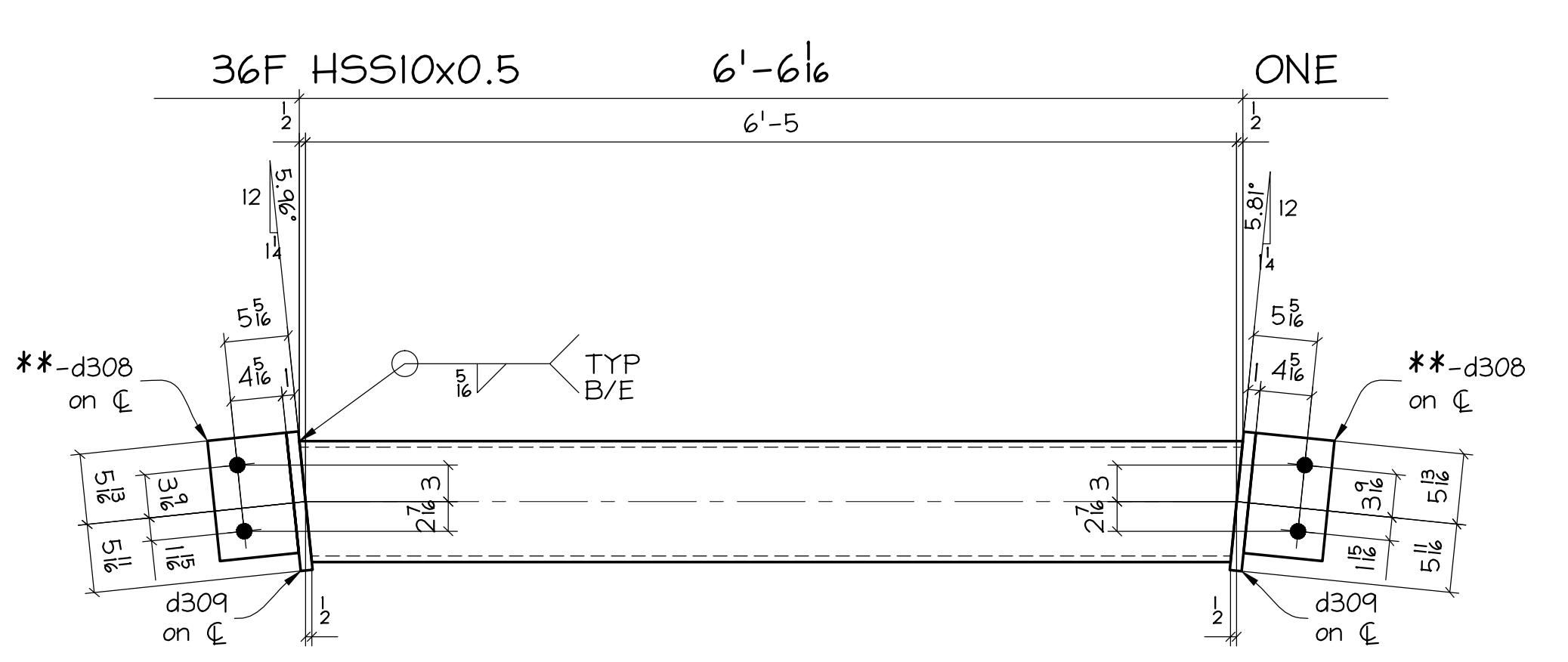
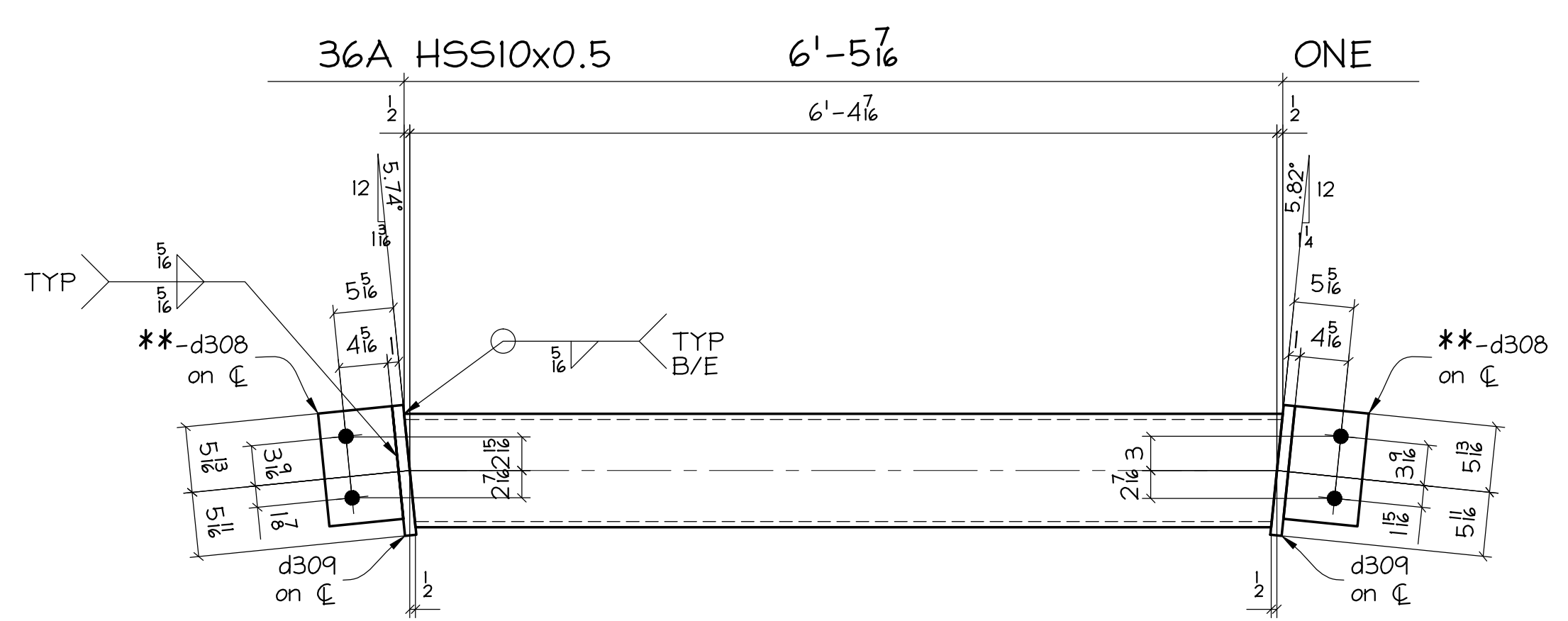
**MIC-EARLINGTON HEIGHTS CONNECTOR**  
 MIAMI INTERMODAL CENTER / MAIN CANOPY  
 MIAMI, DADE COUNTY

ENGR: GENESIS  
 CONTR: ODTG  
 ADI / ANGLE DETAILING, INC.  
 ADI JOB# 40-001-001

**STEEL FABRICATORS**  
 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

DRAWN BY: TLP  
 CHKD BY: GA  
 JOB NO: 40-001-001  
 DWG NO: 34

J:\COLUMBIA-WEE-AND-IRON\40-001-001\_ORANGE\_LINE\ADU\_SUBMITTAL\RECORD\20100512-01(GREEN)-1-AND-11-BROWN\036.DWG 5/12/10 11:07am VIRTUAL XP jfh/hubbard



BROW STEEL FOR ZONE II

**SHOP NOTE:**  
 SHOP DRILL VENT HOLES AS REQ'D FOR WELDING. DESIGN REF: GS151-GS154 IF VENT HOLE DRILLED, FILL HOLE AFTER WELDING OF STRUT COMPLETE.

\*\* INDICATES PRIMER ONLY

**BILL OF MATERIAL**

NO. TO SHIP	SHIP MARK	TOTAL No	PC MARK	DESCRIPTION	LENGTH		REMARKS	ADV. BILL	WEIGHT	
					FT.	IN.			UNIT	TOTAL
ONE	36A			HSS10x0.5	6	5 7/8	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36B			HSS10x0.5	6	5 1/2	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36C			HSS10x0.5	6	5 1/8	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36D			HSS10x0.5	6	5 7/8	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36F			HSS10x0.5	6	6 1/8	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36G			HSS10x0.5	6	6 8/16	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36J			HSS10x0.5	6	6 8/16	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			
ONE	36K			HSS10x0.5	6	6	BC2E			
		2	d308	1" x 6 1/8"	0	10				
		2	d309	1" x 11 1/2"	-	-	PLAIN MAT'L			

**FABRICATION NOTES:**  
 HOLES UNO: 1 1/8"φ  
 WELD: E70XX  
 REF DWG: E7 & E8  
 MATERIAL UNO: A572 GR 50, W=A992  
 HSS=A500 GRB  
 PAINT: NO PAINT AS NOTED  
 SHERWIN WILLIAMS PAINT SYSTEM PER SPECS  
 NOTES:  
 SC = SLIP CRITICAL  
 AT SC, CLEAN & DEBURR SLOTS  
 VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED, WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN.



REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
I	5/11/10	TLP	ISSUE FOR FABRICATION	FOR FABRICATION	
A	4/19/10	TLP	ISSUE FOR APPROVAL	FOR PURCHASING	

**MIC-EARLINGTON HEIGHTS CONNECTOR**  
 MIAMI INTERMODAL CENTER / MAIN CANOPY  
 MIAMI, DADE COUNTY

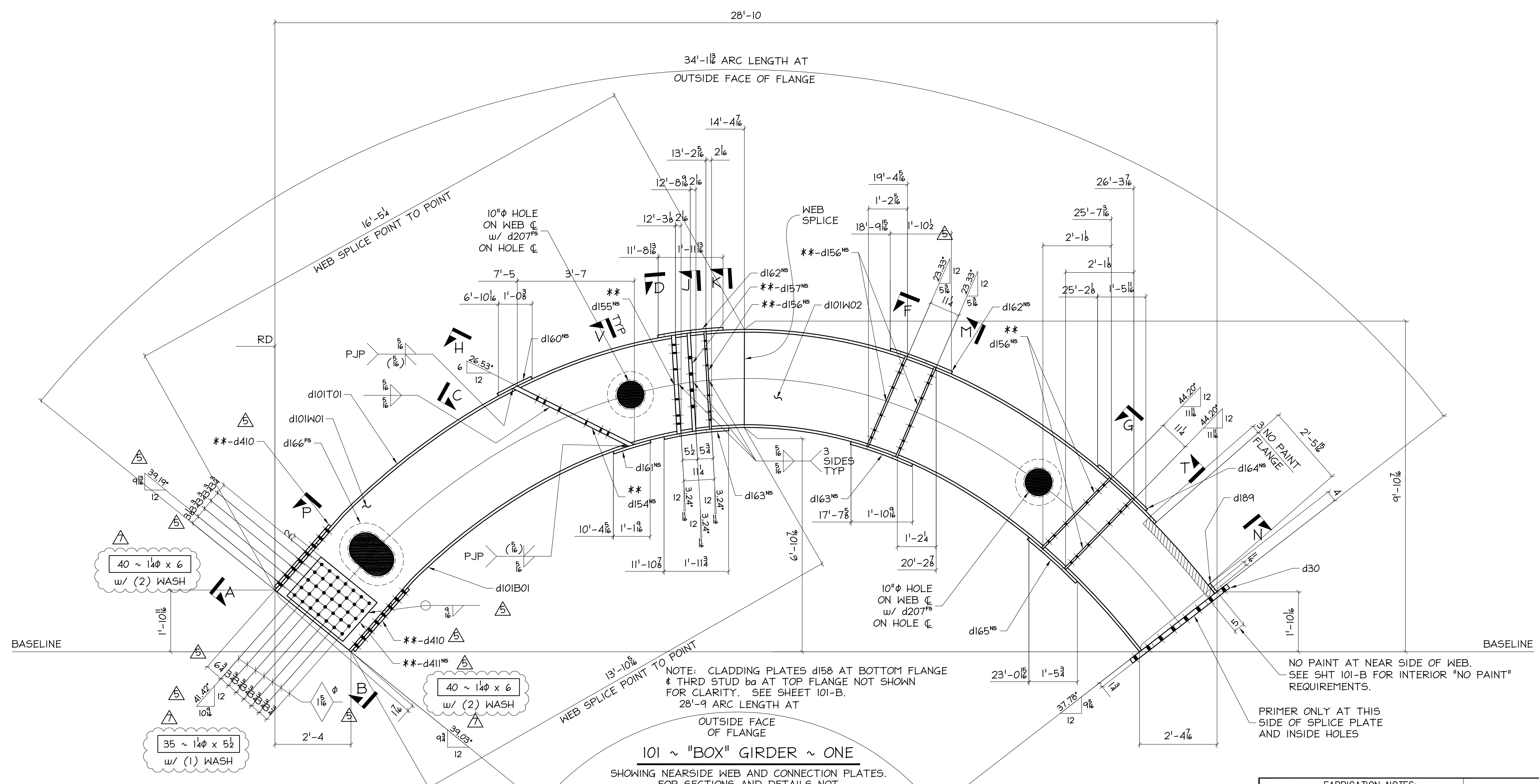
ENGR: GENESIS  
 CONTR: ODTG  
 ADI / ANGLE DETAILING, INC.  
 ADI JOB# 40-001-001

**STEEL FABRICATORS**  
 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

DRAWN BY: TLP  
 CHKD BY: GA  
 JOB NO: 40-001-001  
 DWG NO: 36



J:\COLUMBIA-WBE-AND-BOOK-40-001-001 (ORANGE LINE) \ADJ SUBMITTAL - RECORD - 20100616-01 (UPDATED FIELD BOLTS) 101-A.DWG 6/16/10 4:41pm FB90 melissamcree

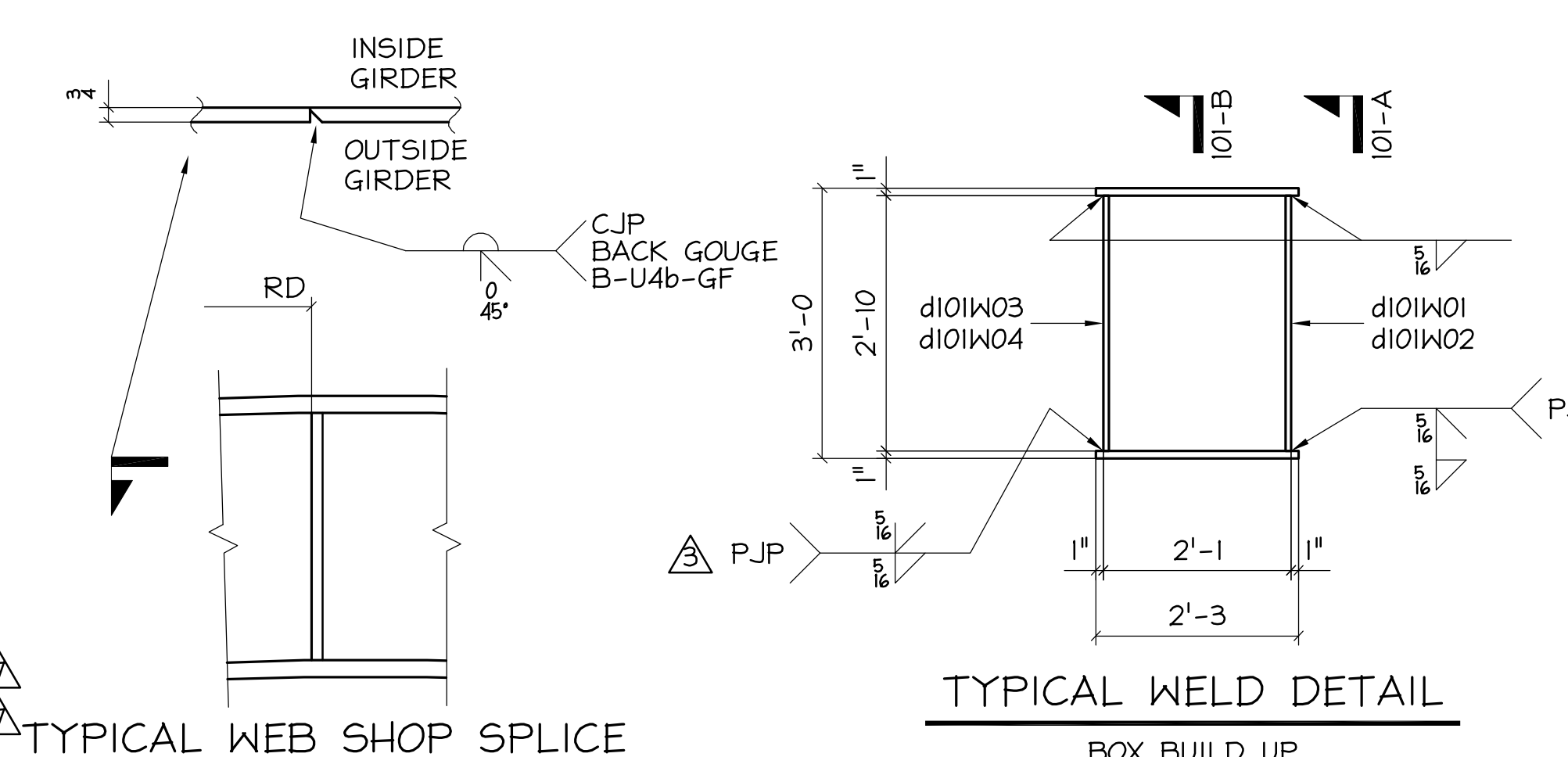


NOTE: CLADDING PLATES d158 AT BOTTOM FLANGE & THRD STUD ba AT TOP FLANGE NOT SHOWN FOR CLARITY. SEE SHEET 101-B. 28'-9\"/>

101 ~ "BOX" GIRDER ~ ONE  
 SHOWING NEAR SIDE WEB AND CONNECTION PLATES.  
 FOR SECTIONS AND DETAILS NOT SHOWN, SEE SHEET 101-B, 101-C, 101-D.  
 FOR WEB ASSY, SEE SHEET 101-E  
 \*\* INDICATES PRIMER ONLY

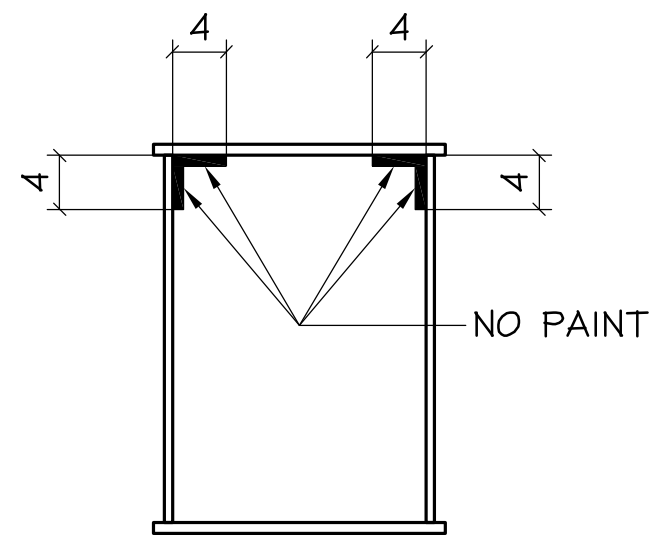
FABRICATION NOTES:				
HOLES UNO: 1φ				
WELD: E70XX				
REF DWG: 101-B, 101-C, 101-D, 101-E, E1				
MATERIAL UNO: A572 GR 50, W=A992				
HSS=A500 GRB				
PAINT: NO PAINT AS NOTED				
SHERWIN WILLIAMS PAINT SYSTEM PER SPECS				
NOTES: PROTECT STUD THREADS				
DURING SHIPPING				
SC = SLIP CRITICAL				
AT SC, CLEAN & DEBURR SLOTS				
VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED, WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN.				
7	6/16/10	GDC	UPDATED FIELD BOLTS FOR AS-BUILT CONDITION	FOR FABRICATION
6	5/24/10	GDC	REVISED QTY OF STUDS	FOR FABRICATION
5	5/13/10	GDC	REV'D HOLES PER CGA 5/12 ASBULTS - FAB HOLES	FOR PURCHASING
4	5/3/10	GDC	FIXED ERROR IN QTY FOR d169 & d170	FOR APPROVAL
REV	DATE	BY	DESCRIPTION	DWG STATUS DATE
<b>MIC-EARLINGTON HEIGHTS CONNECTOR</b> MIAMI INTERMODAL CENTER / MAIN CANOPY MIAMI, DADE COUNTY				
ENCR: GENESIS			ADI / ANGLE DETAILING, INC.	
CONTR: ODTG			ADI JOB# 40-001-001	
<b>STEEL FABRICATORS</b> 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334				
DRAWN BY:	GDC	CHKD BY:	GA	JOB NO. 40-001-001
		DWG. NO.	101-A	

BILL OF MATERIAL										BILL OF MATERIAL											
NO. TO SHIP	SHIP MARK	TOTAL No	PC MARK	DESCRIPTION	LENGTH FT.	IN.	REMARKS	ADV. BILL	WEIGHT UNIT	TOTAL	NO. TO SHIP	SHIP MARK	TOTAL No	PC MARK	DESCRIPTION	LENGTH FT.	IN.	REMARKS	ADV. BILL	WEIGHT UNIT	TOTAL
ONE	101			BOX GIRDER							1	d166	2	1	2	1					
		1	d101W01	2 3/4 x 52 1/2	16	4 3/8					6	d167	1	1	1	6	**				
		1	d101W02	2 3/4 x 53 3/4	16	5 1/8					3	d168	2	2	2	2	**				
		1	d101W03	2 3/4 x 52 1/2	16	4 3/8					4	d169	2	2	1	1/2	PLAIN MAT'L				
		1	d101W04	2 3/4 x 53 3/4	16	5 1/8					4	d170	2	2	2	9					
		1	d101B01	2 1/2 x 27	28	10	ROLLED				1	d189	2	3	NO PAINT						
		1	d101T01	2 1/2 x 27	31	3	ROLLED				3	d207	2	2							
		1	d30	2 1/2 x 34	3	9	FINE GRAIN FULLY KILLED				5	d315	2	10							
		1	d154	2 1/2 x 9	4	0 1/2	**				2	d410	2	6 1/2	**						
		1	d155	2 1/2 x 9	2	11 1/2	**				2	d411	2	5 1/4	**						
		5	d156	2 3/4 x 9	2	11 1/2	**				24	ba	3φ	2 1/4	W/ NFW-**						
		1	d157	2 1/4 x 21 1/2	2	11 1/2	**														
		8	d158	2 1/2 x 5	1	4	** - SC														
		1	d160	2 1/2 x 12	1	1 1/2	ROLLED														
		1	d161	2 1/2 x 12	1	2 1/2	ROLLED														
		2	d162	2 1/2 x 12	2	0	ROLLED				80				1 1/4 A325N BOLTS	0	6	W/ N # (2) WASH			
		2	d163	2 1/2 x 12	1	11 1/2	ROLLED				70				1 1/4 A325N BOLTS	0	5 1/2	W/ N # (1) WASH			
		1	d164	2 1/2 x 12	2	0	ROLLED														
		1	d165	2 1/2 x 12	2	0	ROLLED														

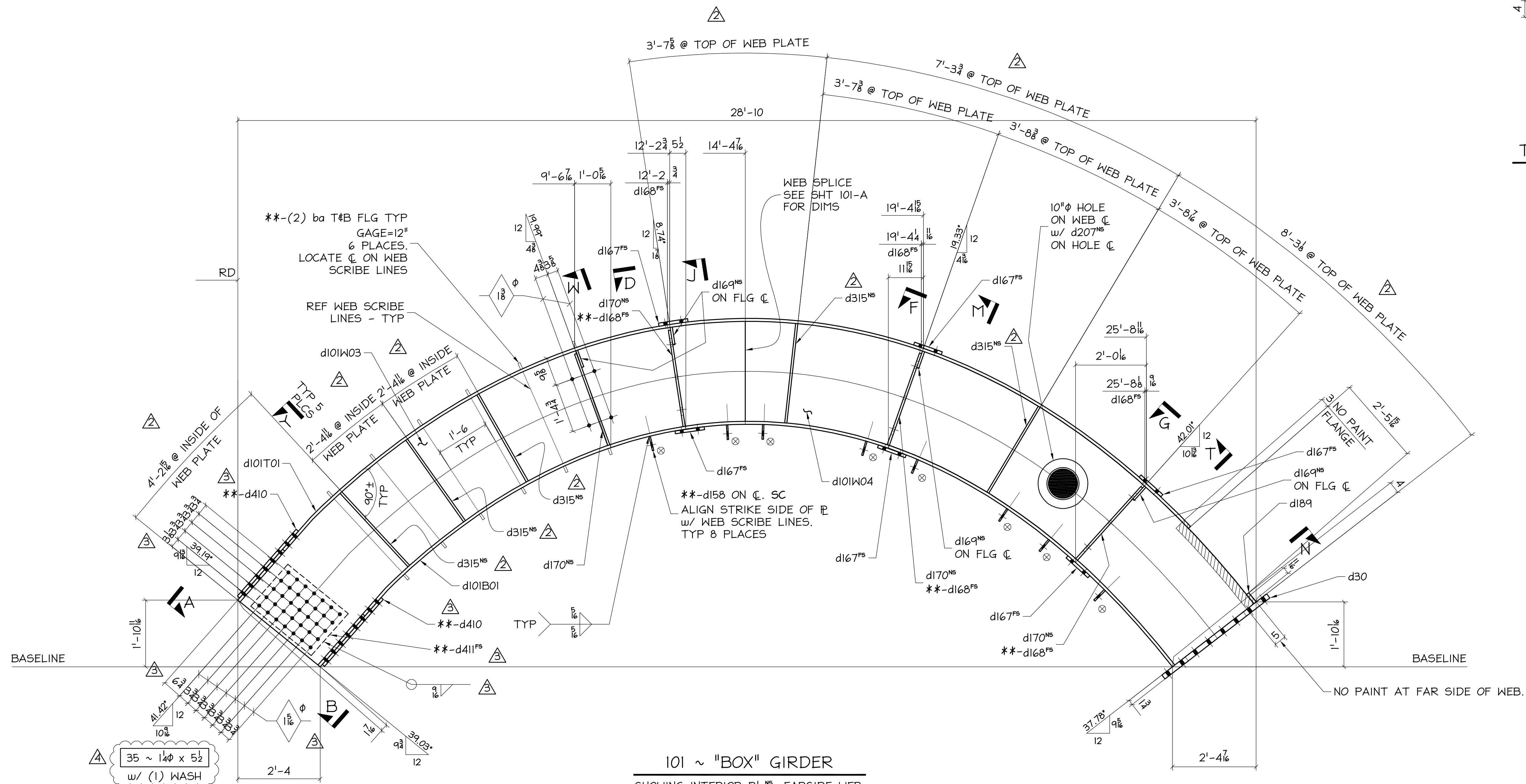


PAINT AT INSIDE SURFACES OF BOX GIRDER

INTERIOR SURFACES OF BOX GIRDER SHALL RECEIVE PRIMER AND INTERMEDIATE COATS ONLY. COLOR OF INTERMEDIATE COAT ON INTERIOR SURFACES SHALL BE WHITE. NO PAINT WHERE NOTED. SEE TYP DETAIL



TYPICAL INTERIOR  
"NO PAINT" DETAIL



101 ~ "BOX" GIRDER  
 SHOWING INTERIOR P'S, FAR SIDE WEB, AND FAR SIDE CONNECTION PLATES.  
 FOR SECTIONS AND DETAILS NOT SHOWN, SEE SHEET 101-A, 101-C, 101-D.  
 FOR WEB ASSY, SEE SHEET 101-E  
 \*\* INDICATES PRIMER ONLY

WORK THIS DRAWING WITH 101-A, 101-C, 101-D & 101-E



REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
4	6/16/10	GDC	UPDATED FIELD BOLTS FOR AS-BUILT CONDITION		
3	5/13/10	GDC	REV'D HOLES PER CGA 5/12 ASBUILTS - FAB HOLES	FOR FABRICATION	
2	4/21/10	GDC	ADDED STIFFENERS. REMOVED HOLD ON 1 1/8" WEB HOLES	FOR FABRICATION	
1	4/13/10	GDC	ISSUED FOR FABRICATION	FOR PURCHASING	
A	3/18/10	GDC	ISSUED FOR APPROVAL	FOR APPROVAL	

MIC-EARLINGTON HEIGHTS CONNECTOR  
 MIAMI INTERMODAL CENTER / MAIN CANOPY  
 MIAMI, DADE COUNTY

ENGR: GENESIS  
 CONTR: ODT

STEEL FABRICATORS  
 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

DRAWN BY: GDC  
 CHK'D BY: GA  
 JOB NO: 40-001-001  
 DWG. NO: 101-B

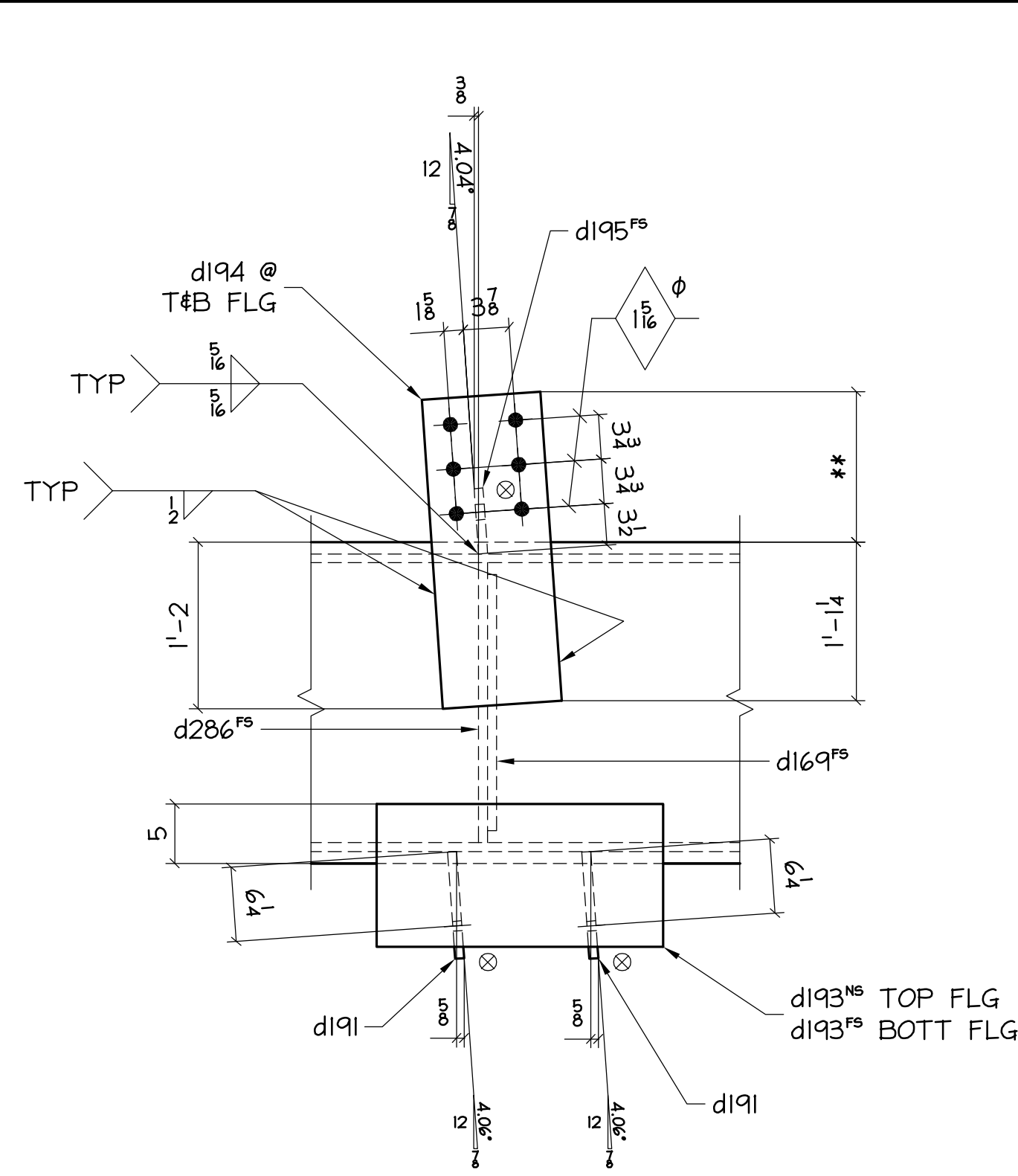
VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN

J:\COLUMBIA-WBE-AND-ROCK\40-001-001\_(ORANGE\_LINE)\ADJ\_SUBMITTAL...RECORD...20100616-01(UPDATED-FIELD-BOLTS)101-B.DWG 6/16/10 4:41pm F380 melissacrowley

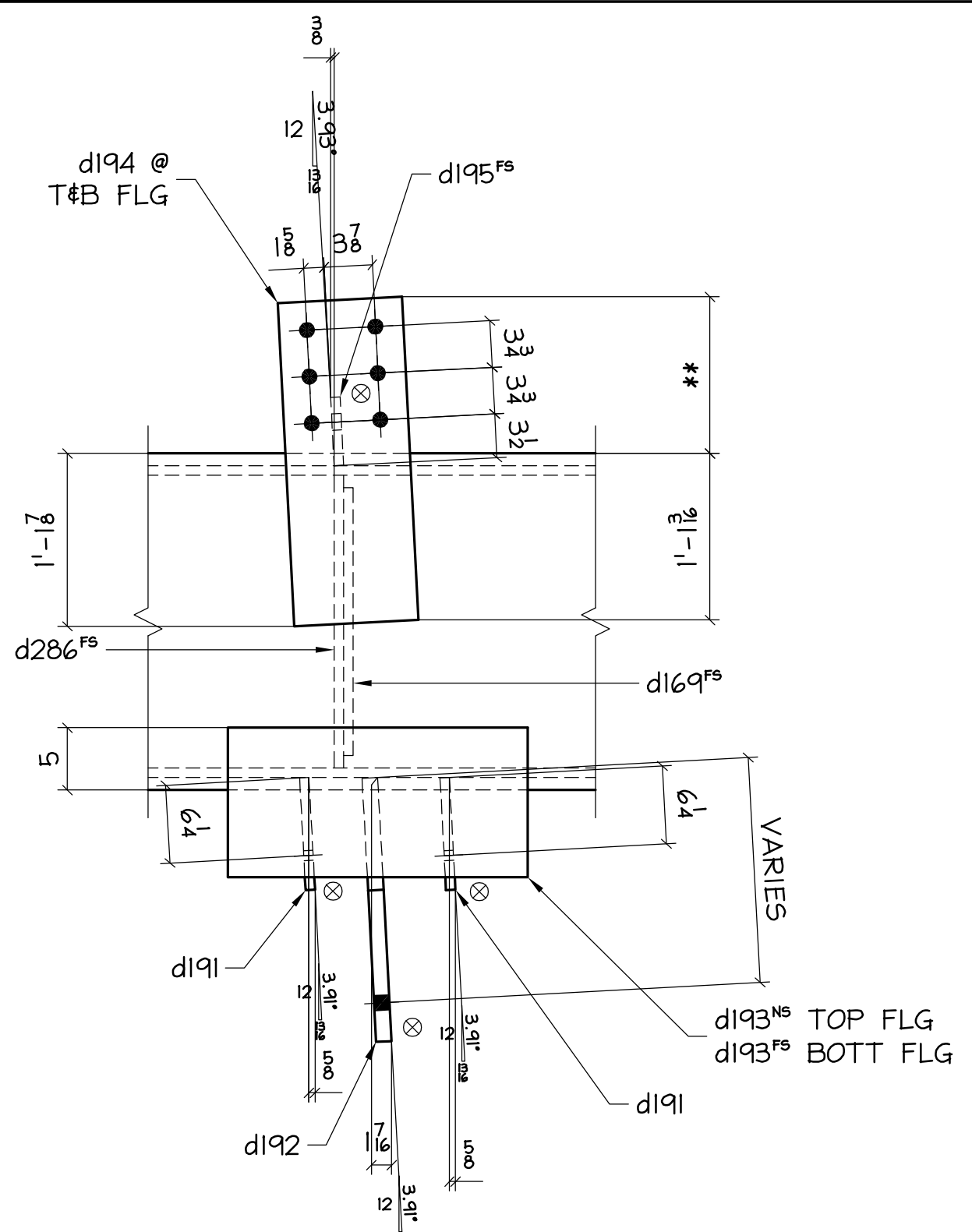




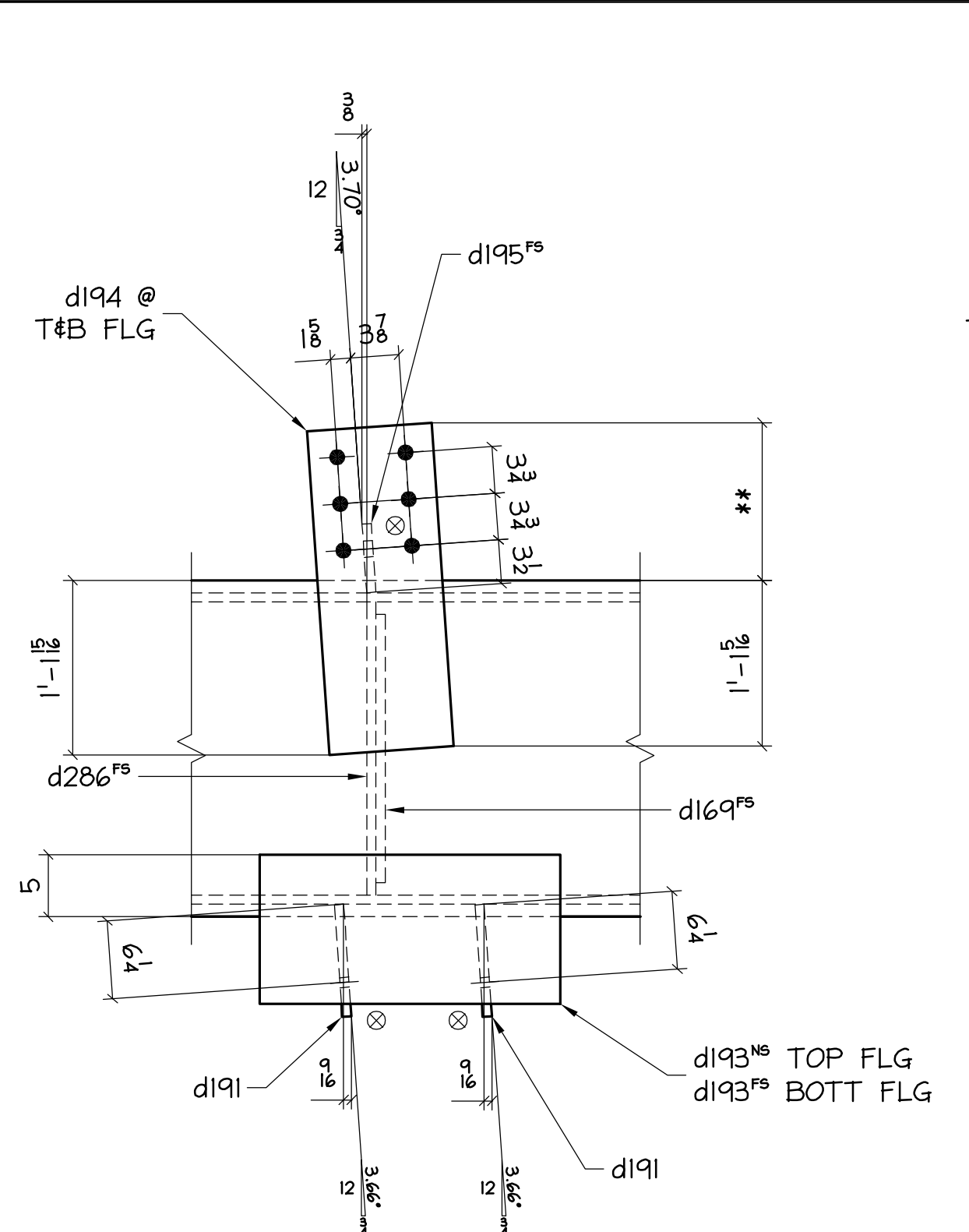
J:\COLUMBIA-WBE-AND-IRON\40-001-001\_(ORANGE\_LINE)\SHP\S\NEEDS-PRINTING\102-C.DWG 5/25/10 2:53pm FORD\_mellisa.mofdy



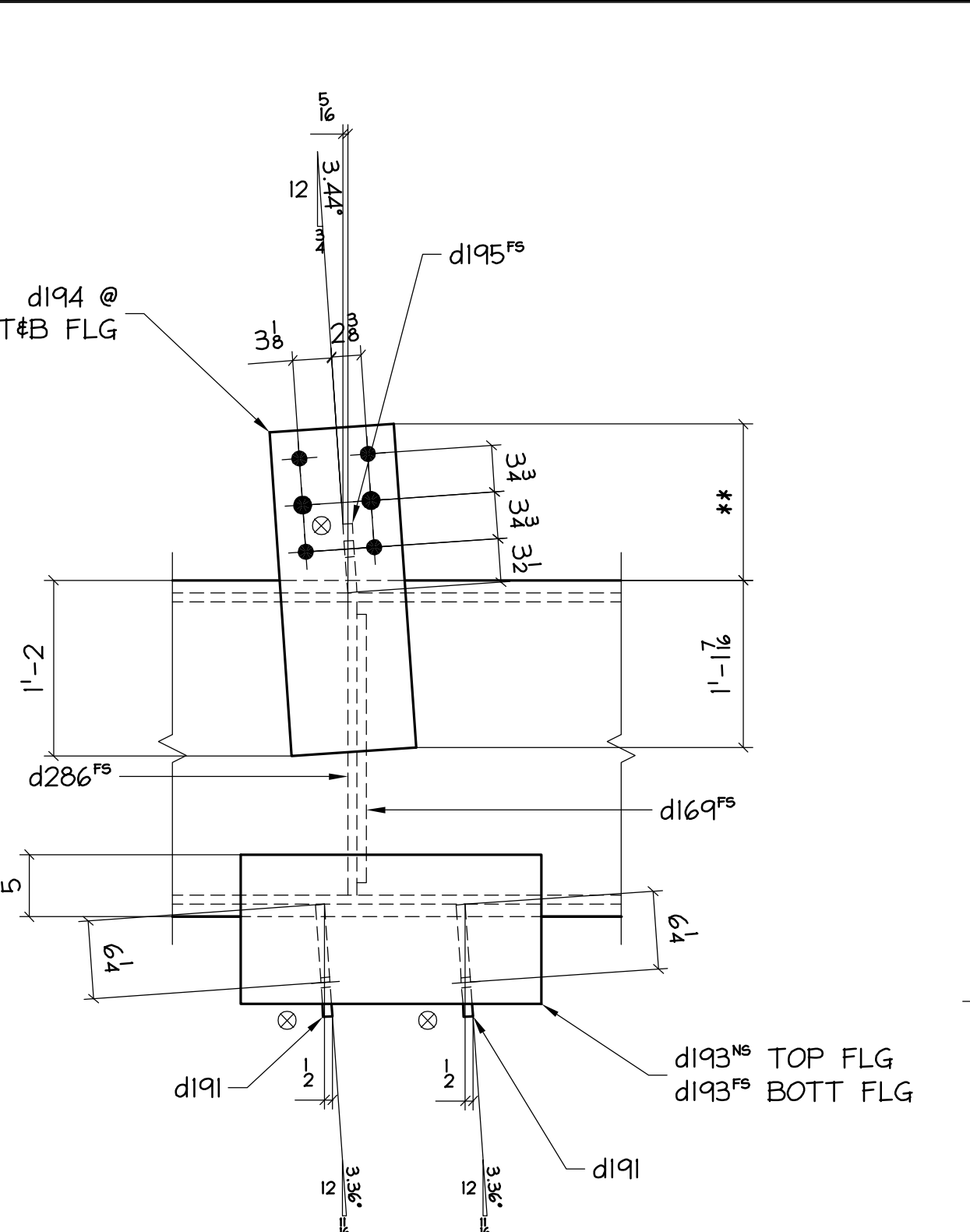
**SECTION A**



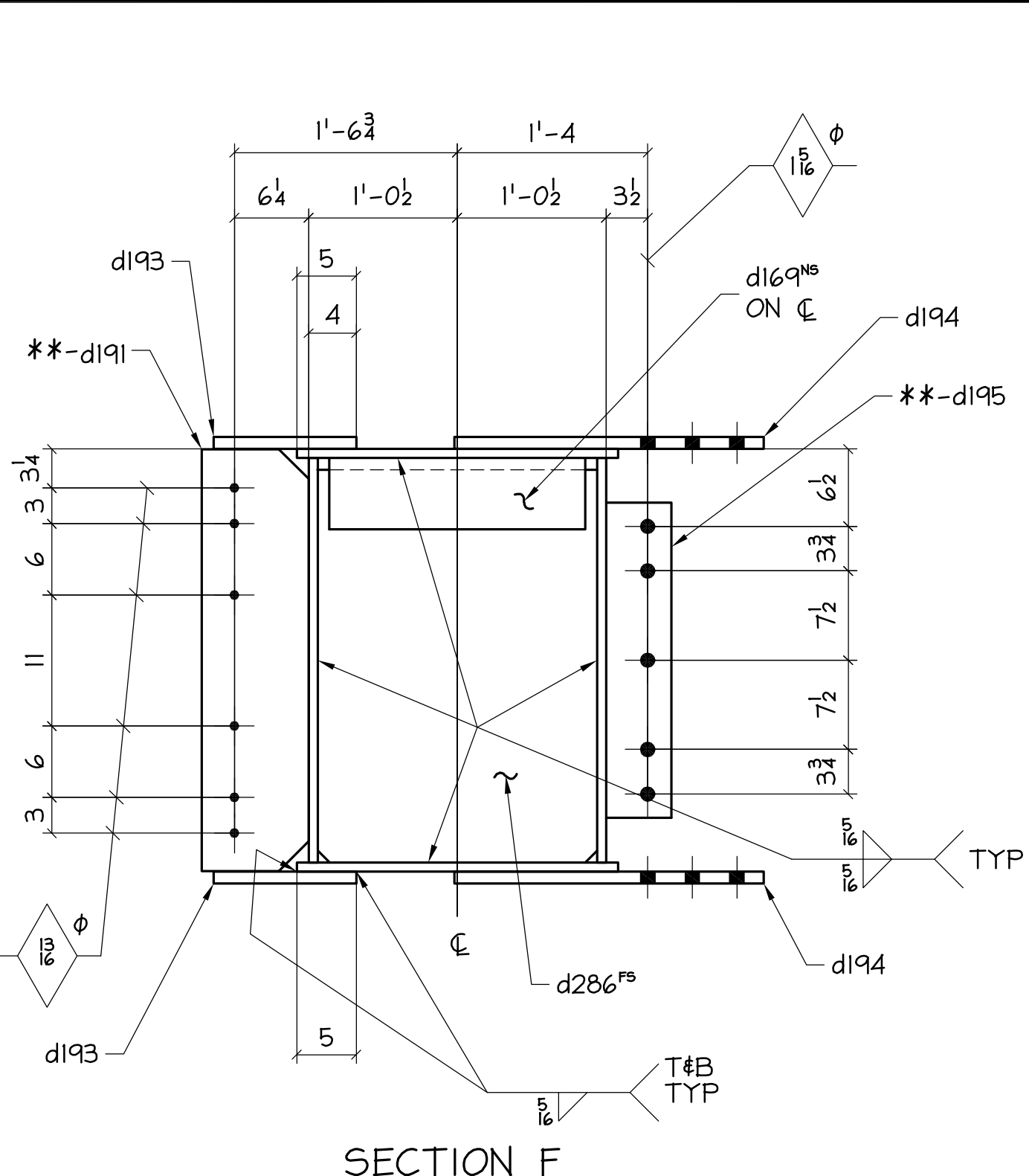
**SECTION B**



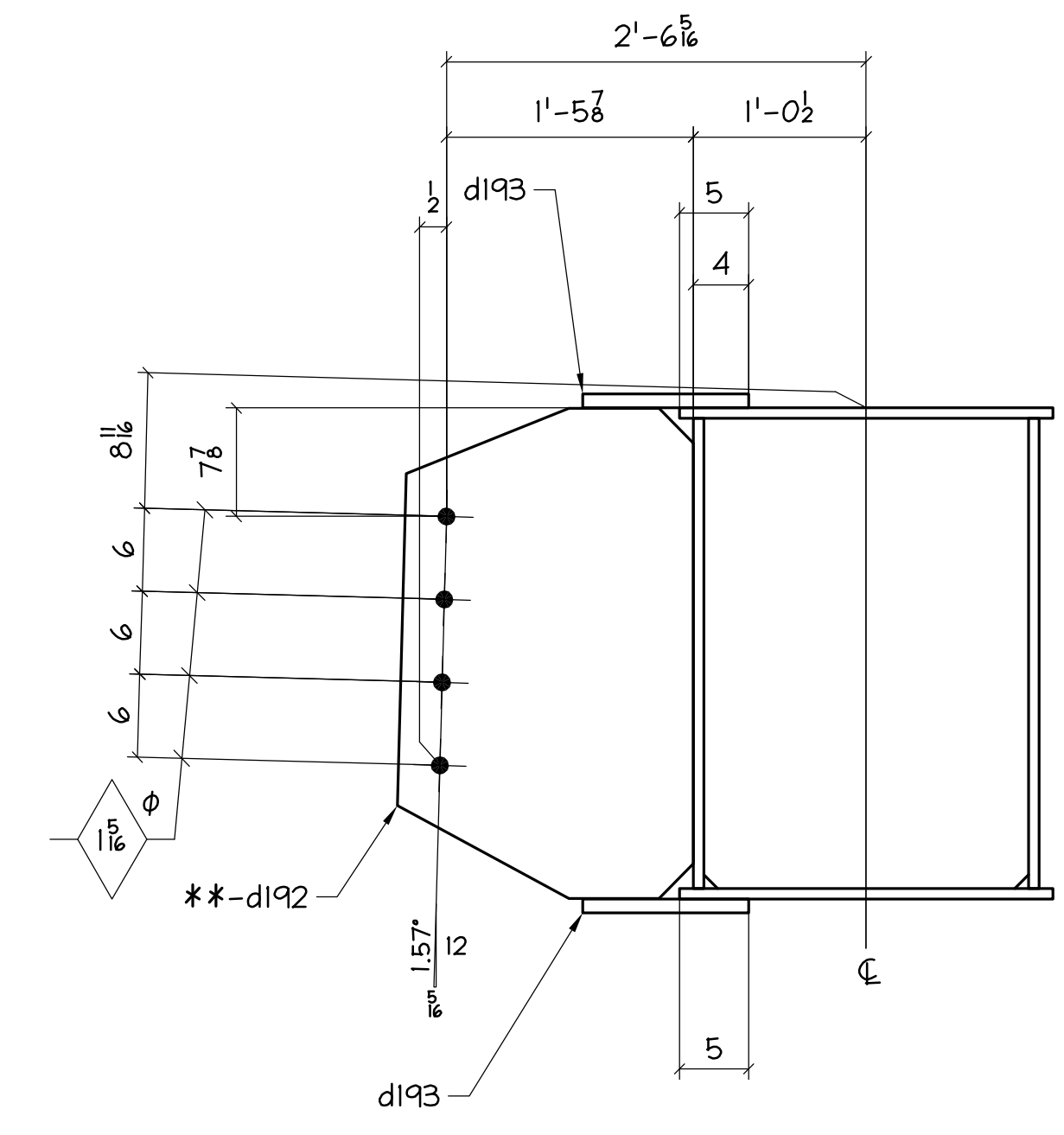
**SECTION C**



**SECTION D**

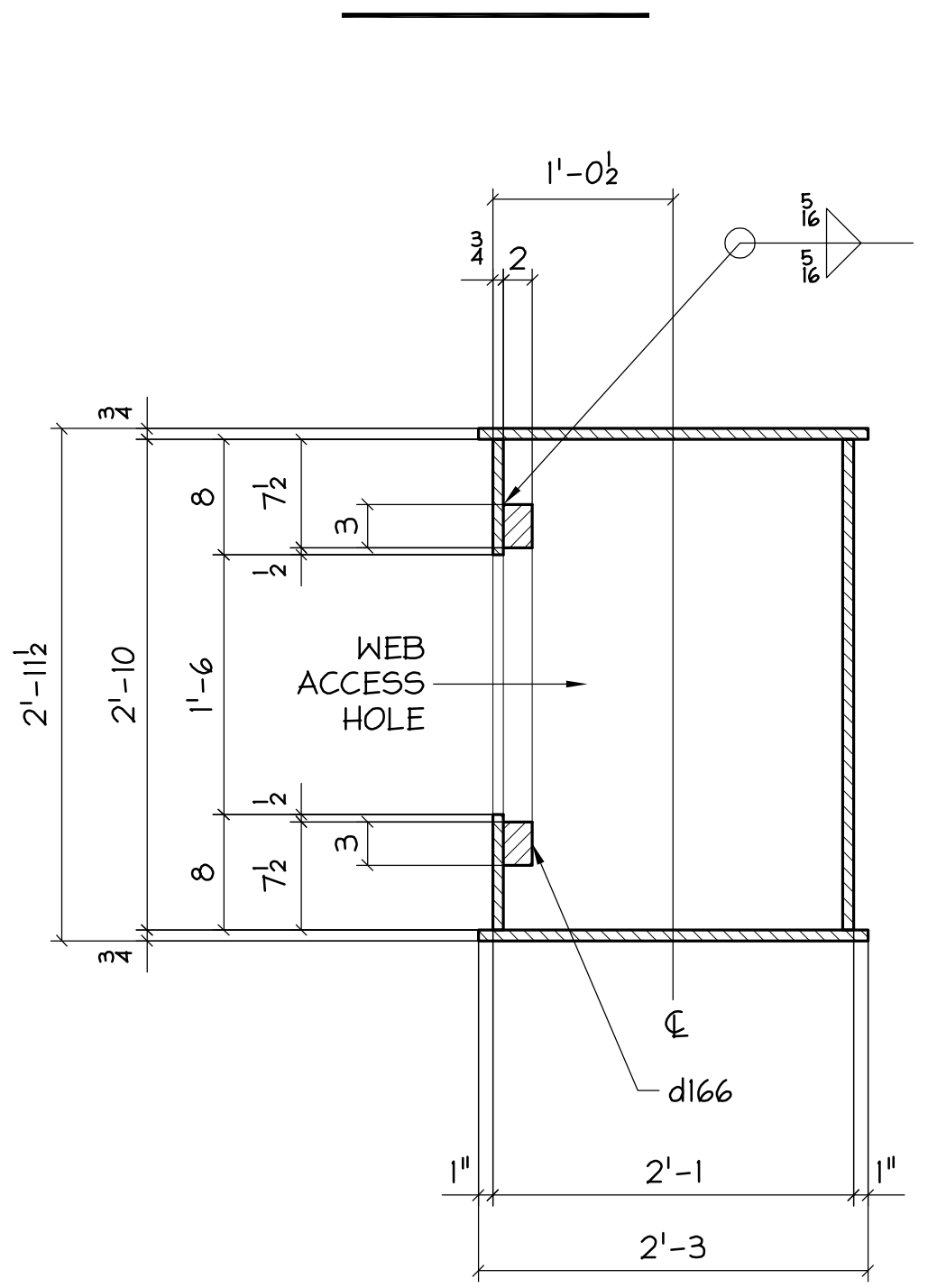


**SECTION F**  
d159 NOT SHOWN

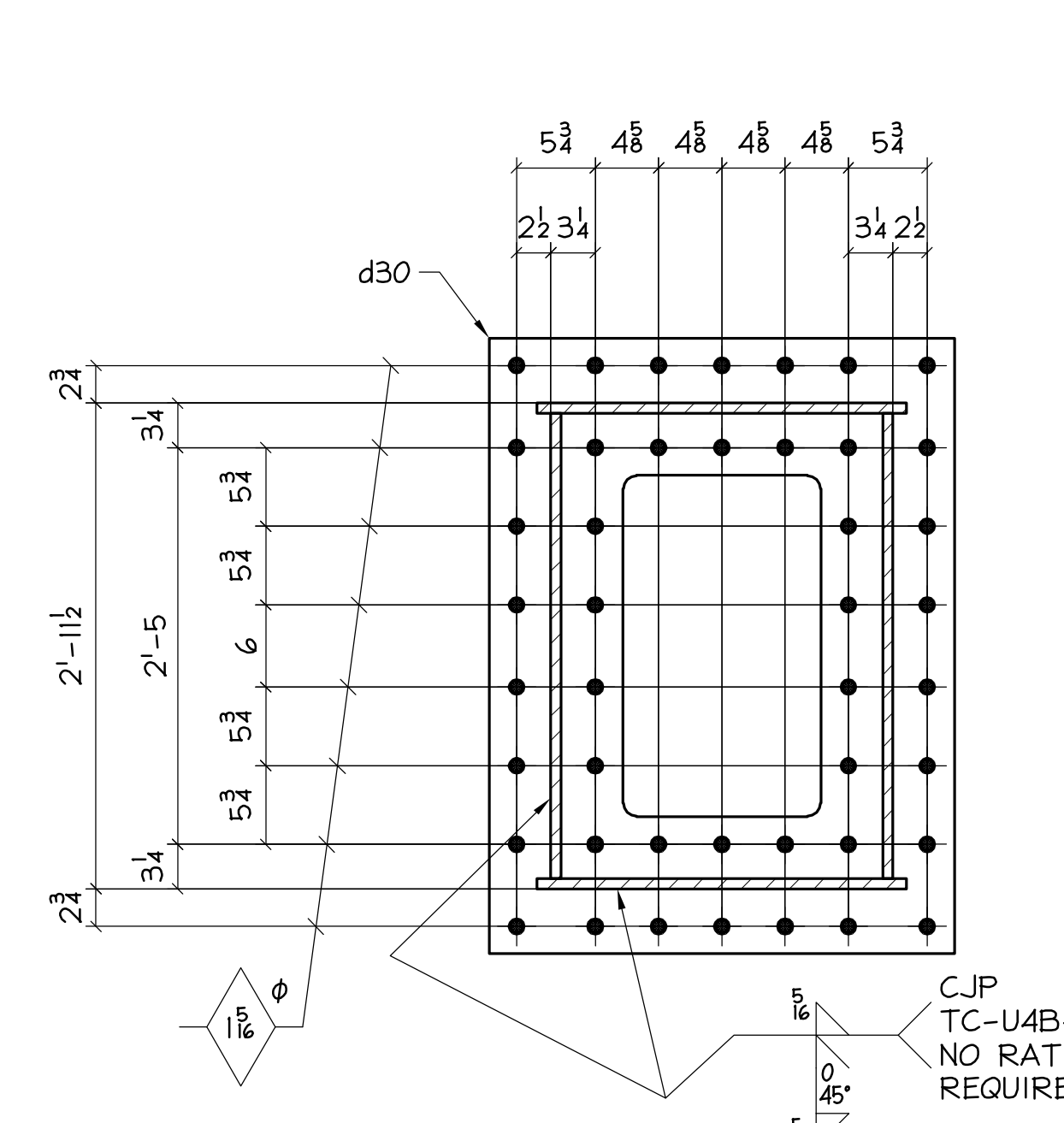


**SECTION G**

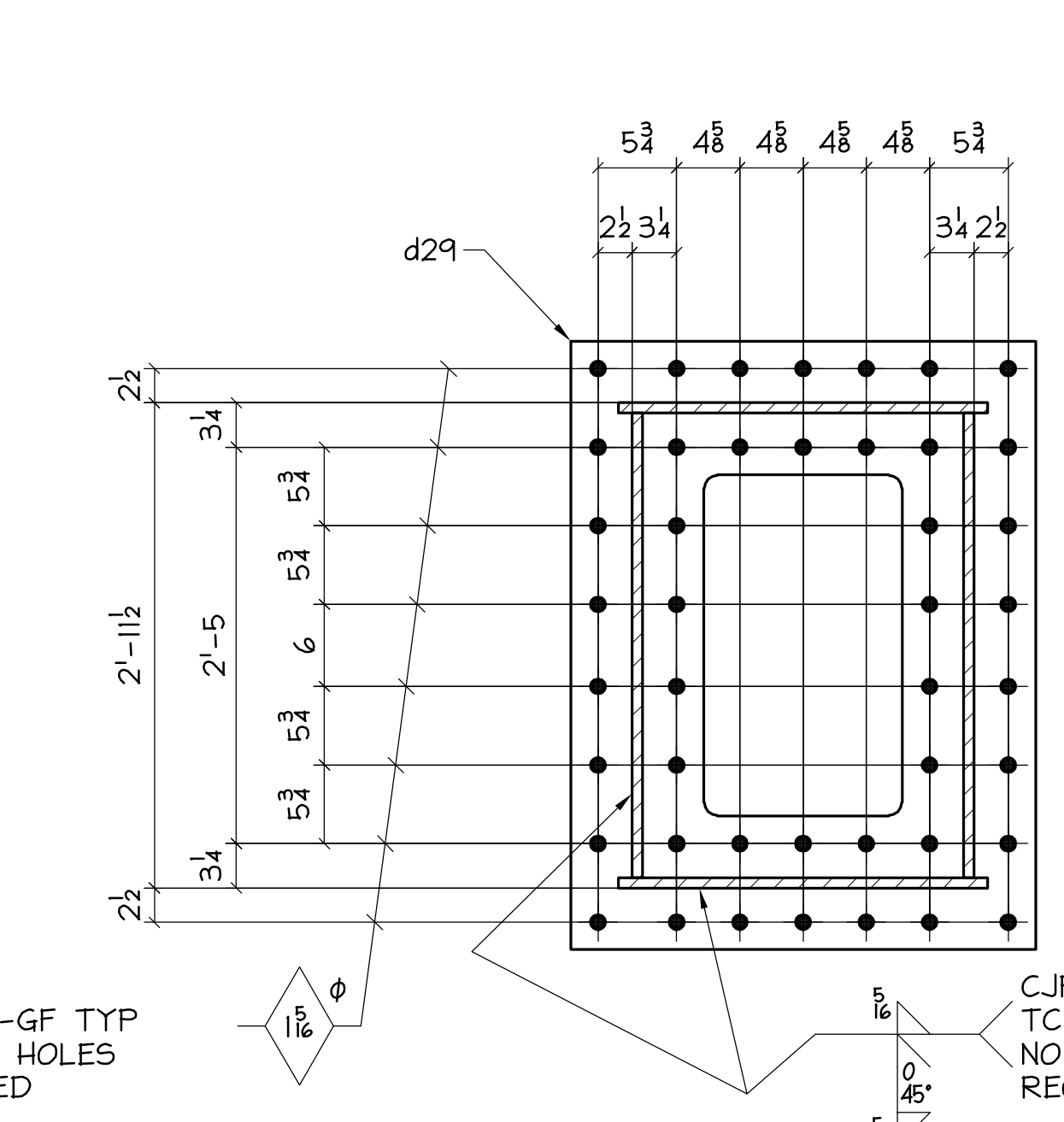
SEE SECTION F FOR INTERIOR PLATES.  
d159 NOT SHOWN



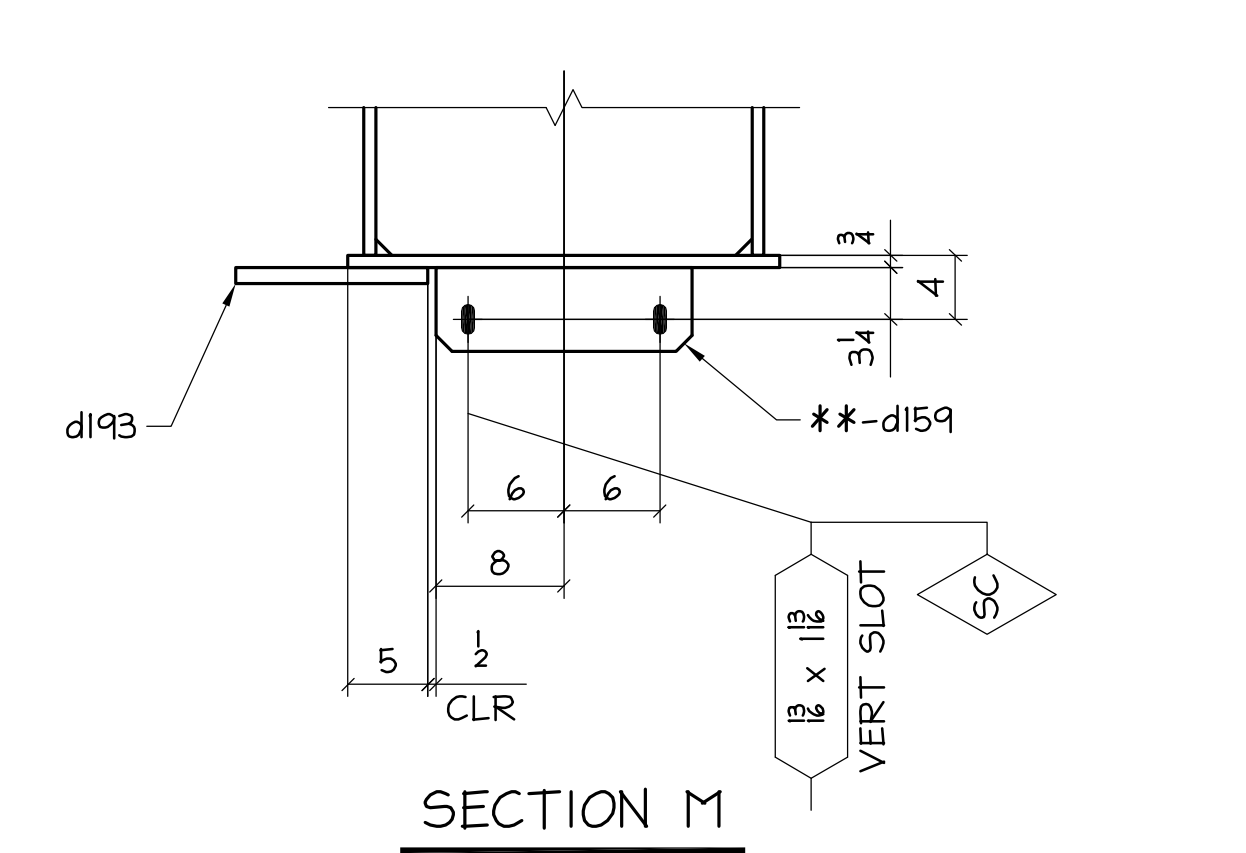
**SECTION H**



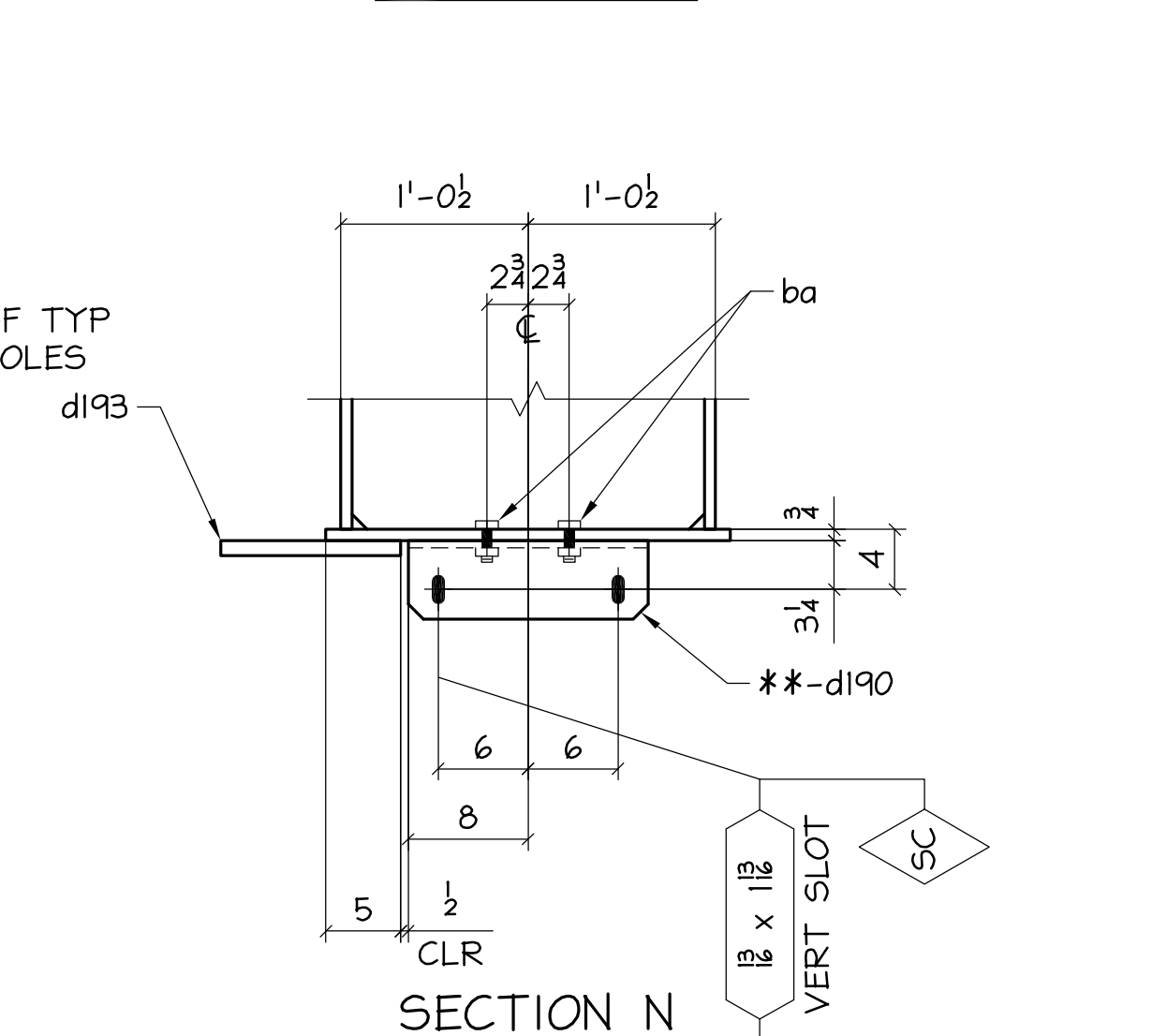
**SECTION J**



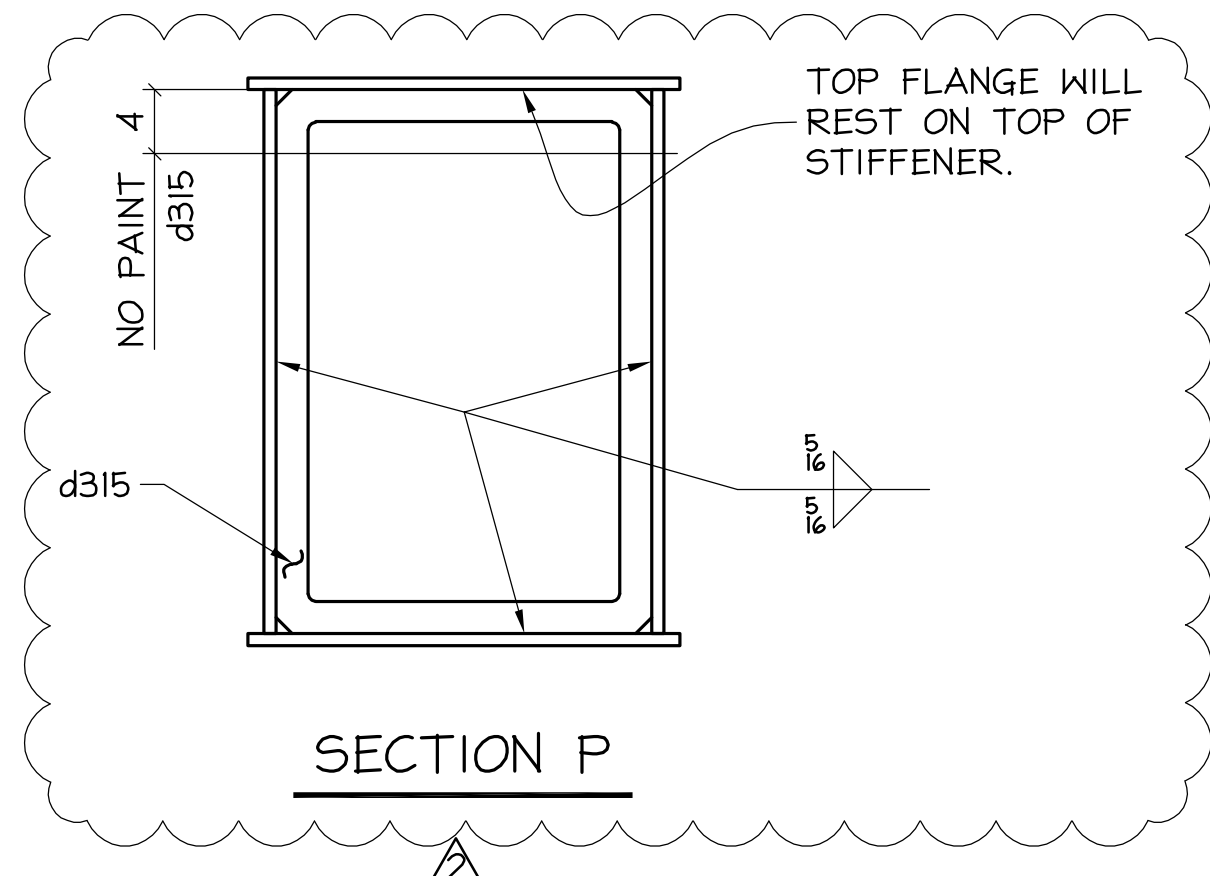
**SECTION K**



**SECTION M**



**SECTION N**



**SECTION P**

\*\* INDICATES PRIMER ONLY

WORK THIS DRAWING WITH 102-A, 102-B



CATEGORY I, II & III

REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
2	4/21/10	GDC	ADDED FRAME STIFFENERS	FOR FABRICATION	
1	4/13/10	GDC	ISSUED FOR FABRICATION	FOR FABRICATION	
A	3/18/10	GDC	ISSUED FOR APPROVAL	FOR PURCHASING	
				FOR APPROVAL	

**MIC-EARLINGTON HEIGHTS CONNECTOR**  
 MIAMI INTERMODAL CENTER / MAIN CANOPY  
 MIAMI, DADE COUNTY

ENGR: GENESIS  
 CONTR: ODTG

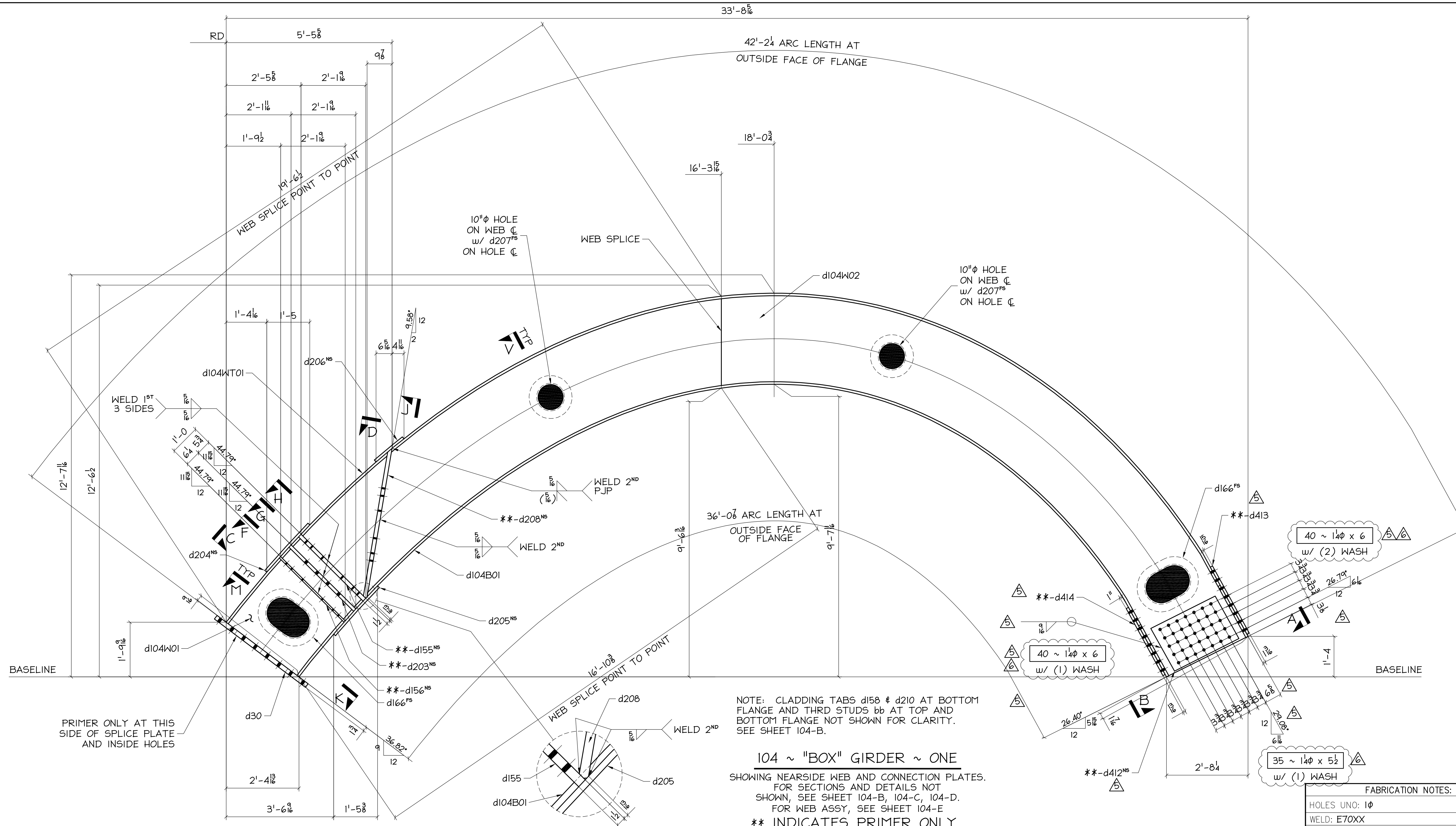
**STEEL FABRICATORS**  
 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

ADI / ANGLE DETAILING, INC.  
 ADI JOB# 40-001-001

DRAWN BY: GDC  
 CHK'D BY: GA  
 JOB NO: 40-001-001  
 DWG NO: 102-C

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN

J:\COLUMBIA-WBE-AND-ROCK-40-001-001 (ORANGE LINE)\ADJ SUBMITTAL - RECORD - 20100616-01 (UPDATED FIELD BOLTS) 104-A-DWG 6/16/10 4:42pm ECRD melissa.moody



NOTE: CLADDING TABS d158 & d210 AT BOTTOM FLANGE AND THRD STUDS bb AT TOP AND BOTTOM FLANGE NOT SHOWN FOR CLARITY. SEE SHEET 104-B.

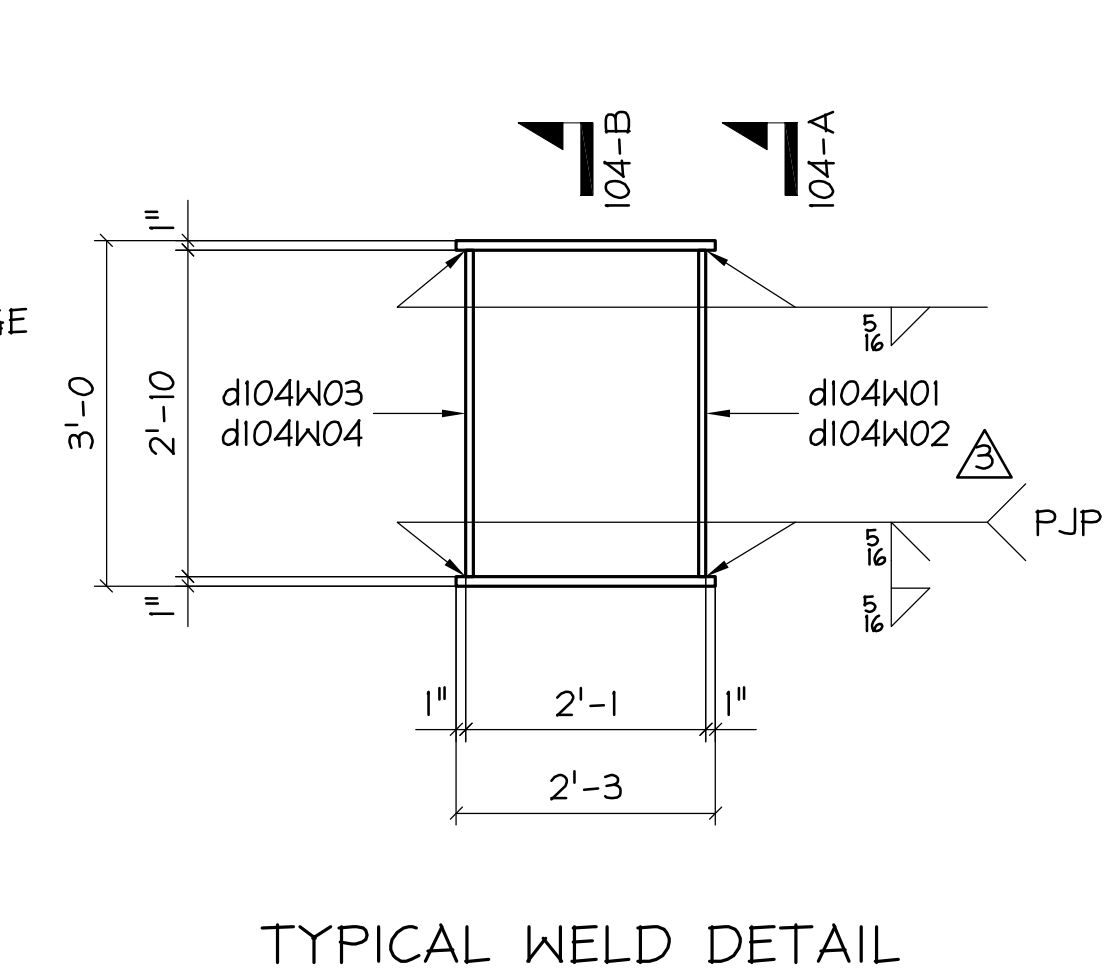
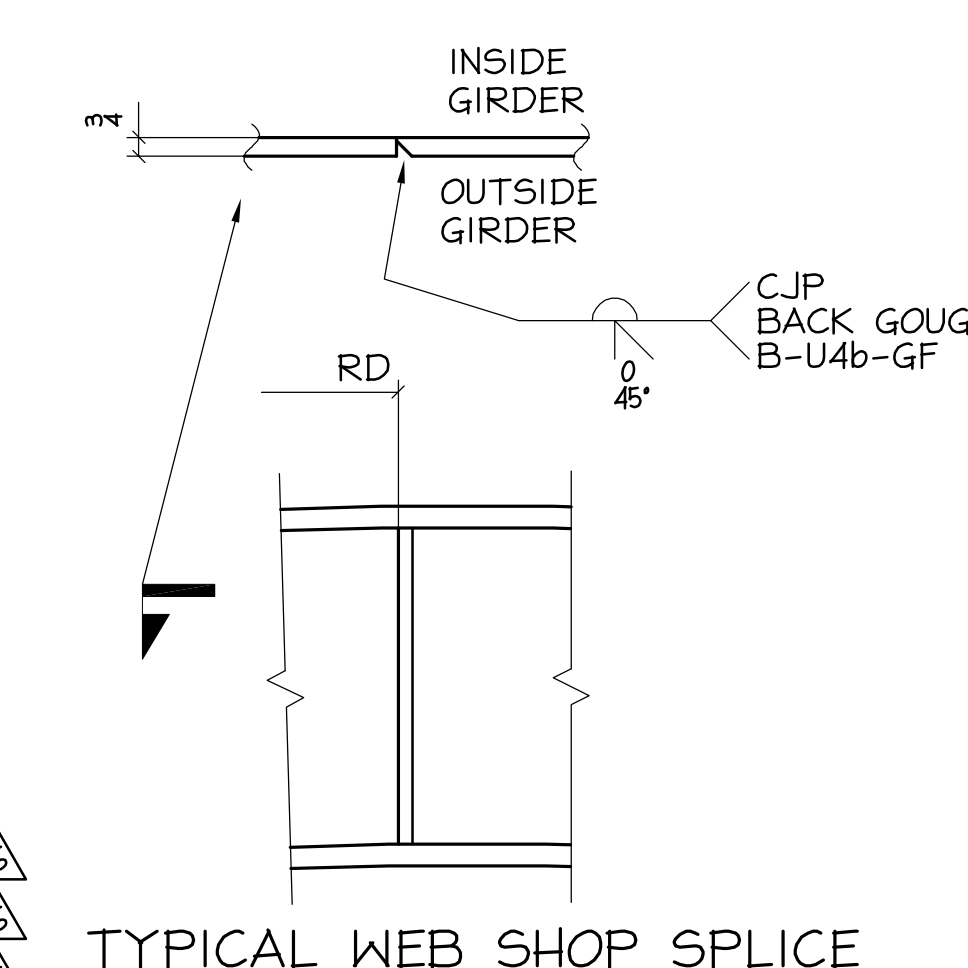
**104 ~ \"BOX\" GIRDER ~ ONE**  
 SHOWING NEAR SIDE WEB AND CONNECTION PLATES. FOR SECTIONS AND DETAILS NOT SHOWN, SEE SHEET 104-B, 104-C, 104-D. FOR WEB ASSY, SEE SHEET 104-E

\*\* INDICATES PRIMER ONLY

**BILL OF MATERIAL**

**BILL OF MATERIAL**

NO. TO SHIP	SHIP MARK	TOTAL NO. PC	PC MARK	DESCRIPTION	REMARKS	ADV. BILL	WEIGHT		NO. TO SHIP	SHIP MARK	TOTAL NO. PC	PC MARK	DESCRIPTION	REMARKS	ADV. BILL	WEIGHT	
							UNIT	TOTAL								UNIT	TOTAL
ONE	104			BOX GIRDER					1		1	d206	12				
		1		d104W01	12 x 53 1/2				3		3	d207	17				
		1		d104W02	12 x 69 3/4				1		1	d208	12 x 9				**
		1		d104W03	12 x 53 1/2				2		2	d209	12 x 10				**
		1		d104W04	12 x 69 3/4				1		1	d210	L6x4x1/2 CUT				** - SC
		1		d104B01	12 x 27				10		10	d315	12 x 23 1/2				ROLLED
		1		d104T01	12 x 27				2		2	d412	12 x 19 1/4				**
		1		d30	12 x 34				1		1	d413	12 x 23				**
		1		d155	12 x 9				1		1	d414	12 x 23				**
		1		d156	12 x 9				2		2	ba	3/8 A325N BOLTS				W/ N#W
		1		d158	12 x 5				42		42	bb	3/8 FULLY THRD STUD				W/ N#W-**
		2		d166	12 x 19												
		4		d169	12 x 6												PLAIN MAT'L
		4		d170	12 x 23 1/2												
		2		d195	12 x 5 1/2												**
		1		d203	12 x 21 1/2												**
		1		d204	12 x 12												ROLLED
		1		d205	12 x 12												ROLLED
																	FIELD BOLTS
																	1/4 A325N BOLTS
																	1/4 A325N BOLTS
																	1/4 A325N BOLTS



**FABRICATION NOTES:**

HOLES UNO: 1φ  
 WELD: E70XX  
 REF DWG: 104-B, 104-C, 104-D, 104-E, E1  
 MATERIAL UNO: A572 GR 50, W=A992  
 HSS=A500 GRB

PAINT: NO PAINT AS NOTED  
 SHERWIN WILLIAMS PAINT SYSTEM PER SPECS

NOTES: PROTECT STUD TREADS  
 DURING SHIPPING  
 SC = SLIP CRITICAL  
 AT SC, CLEAN & DEBURR SLOTS

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED, WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN.

REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
6	6/16/10	GDC	UPDATED FIELD BOLTS FOR AS-BUILT CONDITION	FOR FABRICATION	
5	5/13/10	GDC	REV'D HOLES PER CGA 5/12 ASBUILTS - FAB HOLES	FOR FABRICATION	
4	5/3/10	GDC	FIXED ERROR IN QTY FOR d169 & d170	FOR PURCHASING	
3	4/27/10	GDC	REVISED WELD PER APPROVAL COMMENTS	FOR APPROVAL	

**MIC-EARLINGTON HEIGHTS CONNECTOR**  
 MIAMI INTERMODAL CENTER / MAIN CANOPY  
 MIAMI, DADE COUNTY

ENGR: GENESIS  
 CONTR: ODTG

ADI / ANGLE DETAILING, INC.  
 ADI JOB# 40-001-001

**STEEL FABRICATORS**  
 721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

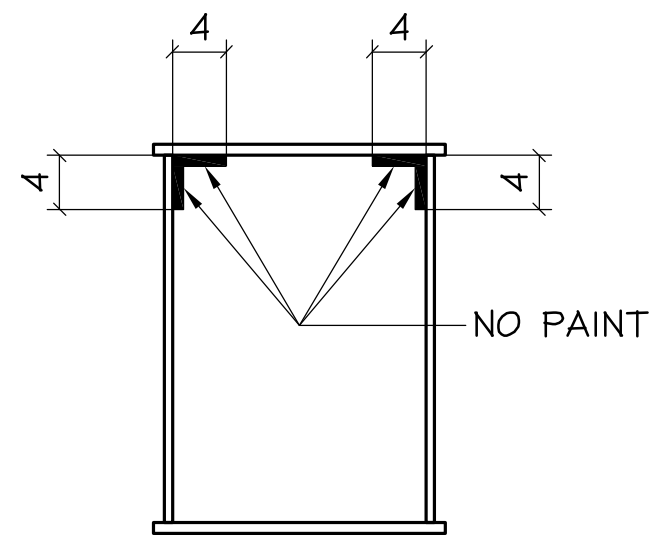
DRAWN BY: GDC  
 CHKD BY: GA  
 JOB NO: 40-001-001  
 DWG. NO: 104-A



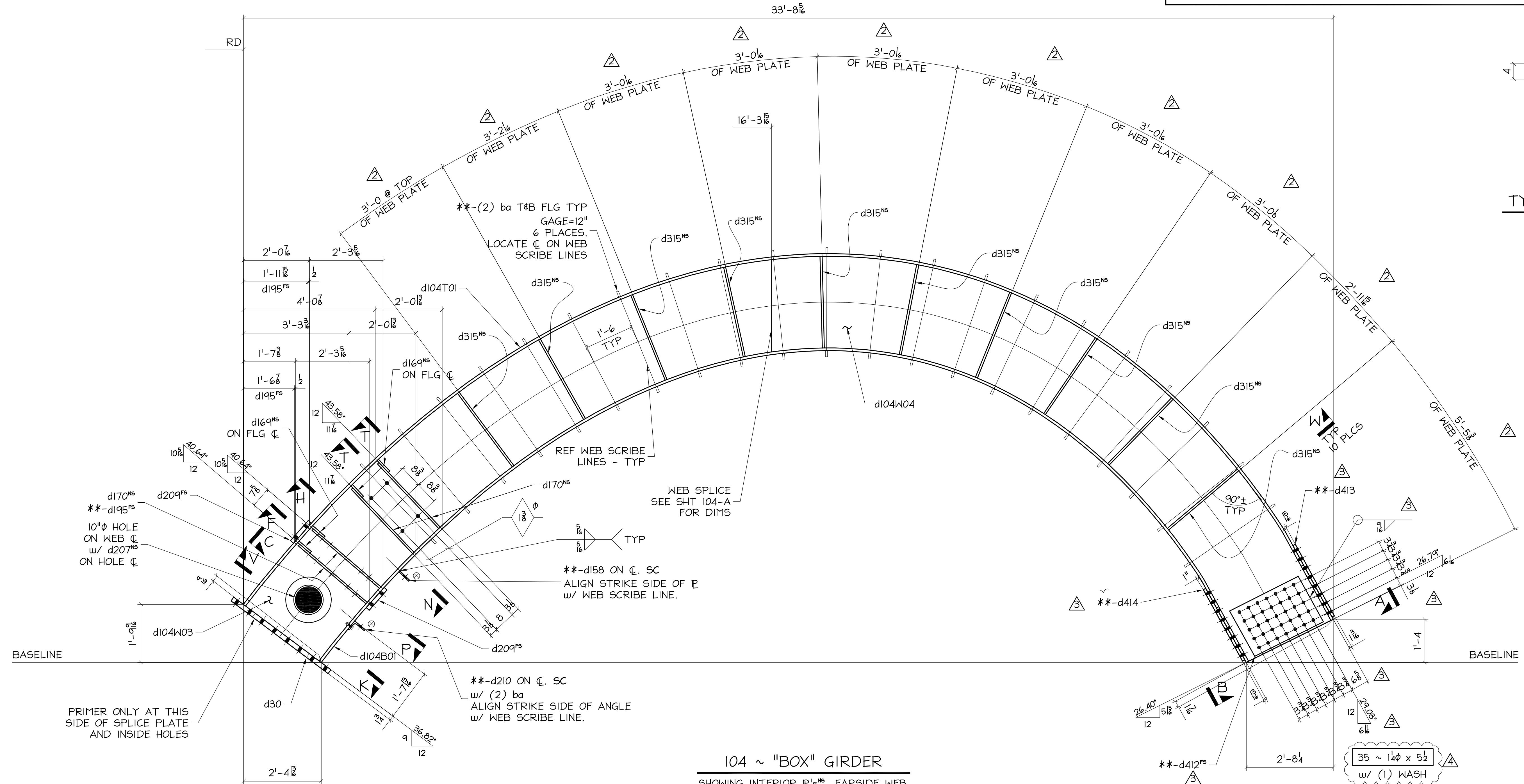


PAINT AT INSIDE SURFACES OF BOX GIRDER

INTERIOR SURFACES OF BOX GIRDER SHALL RECEIVE PRIMER AND INTERMEDIATE COATS ONLY. COLOR OF INTERMEDIATE COAT ON INTERIOR SURFACES SHALL BE WHITE. NO PAINT WHERE NOTED. SEE TYP DETAIL



TYPICAL INTERIOR  
"NO PAINT" DETAIL



104 ~ "BOX" GIRDER

SHOWING INTERIOR WEBS, FAR SIDE WEB, AND FAR SIDE CONNECTION PLATES. FOR SECTIONS AND DETAILS NOT SHOWN, SEE SHEET 104-A, 104-C, 104-D. FOR WEB ASSY, SEE SHEET 104-E  
\*\* INDICATES PRIMER ONLY

PRIMER ONLY AT THIS SIDE OF SPLICE PLATE AND INSIDE HOLES

WORK THIS DRAWING WITH 104-A, 104-C, 104-D & 104-E



REV	DATE	BY	DESCRIPTION	DWG STATUS	DATE
4	6/16/10	GDC	UPDATED FIELD BOLTS FOR AS-BUILT CONDITION		
3	5/13/10	GDC	REV'D HOLES PER CGA 5/12 ASBUILTS - FAB HOLES	FOR FABRICATION	
2	4/21/10	GDC	ADDED FRAME STIFFENERS	FOR FABRICATION	
1	4/13/10	GDC	ISSUED FOR FABRICATION	FOR PURCHASING	
A	3/18/10	GDC	ISSUED FOR APPROVAL	FOR APPROVAL	

VERIFICATION OF DIMENSIONS, DETAILS, AND ETC. ARE REQUESTED WHERE INDICATED. IF EACH VERIFICATION IS NOT NOTED OTHERWISE, IT WILL BE ASSUMED TO BE CORRECT AS SHOWN

MIC-EARLINGTON HEIGHTS CONNECTOR  
MIAMI INTERMODAL CENTER / MAIN CANOPY  
MIAMI, DADE COUNTY

ENGR: GENESIS  
CONTR: ODC

STEEL FABRICATORS  
721 N.E. 44TH STREET FORT LAUDERDALE, FL 33334

DRAWN BY: GDC  
CHK'D BY: GA  
JOB NO: 40-001-001  
DWG NO: 104-B