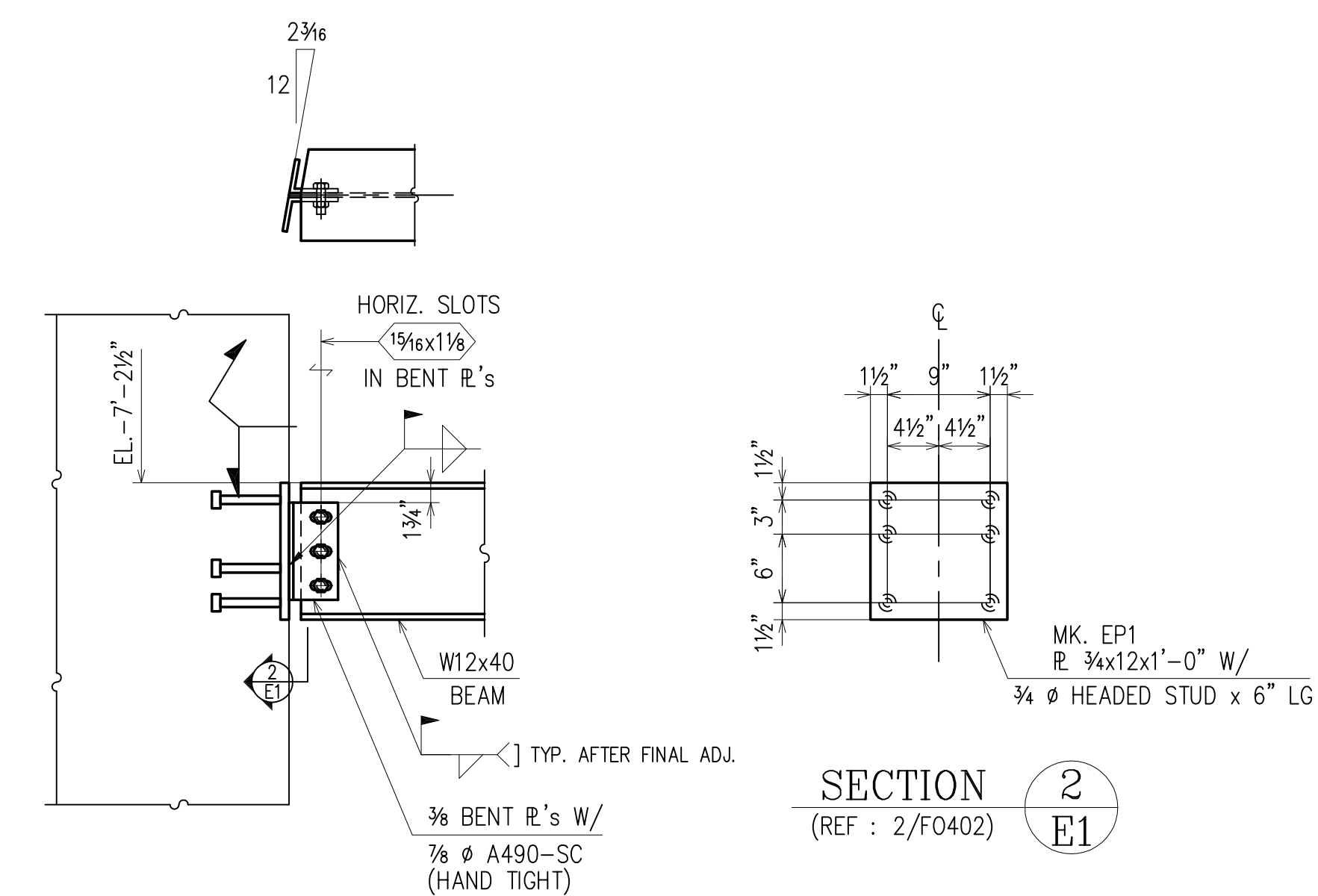


FIRST FLOOR FRAMING PLAN

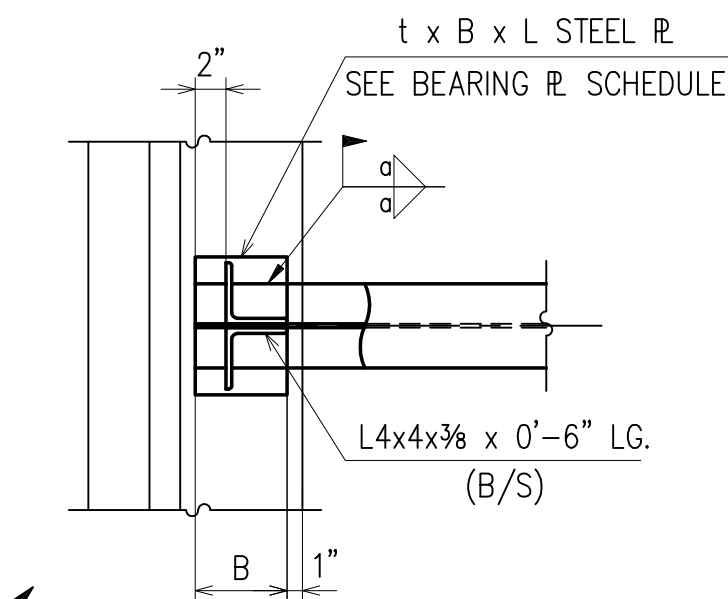
(REF : S101.00)

- NOTES : 1. TOP OF STEEL ELEVATION IS (-0'-6 1/4") U.N.O. ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL = +58.00")
 2. INDICATES DROP ON SLAB.
 3. INDICATES BEAM WEB OPENING SEE E25
 4. ALL STEEL BEAM TO HAVE 3/4" Ø x 5" HEADED STUDS @ 1'-0" o.c. ON TOP BEAM UNLESS NOTED (), MINIMUM 1 1/2" FROM BEAM EDGE.
 5. FOR BRACE FRAME ELEVATIONS, SEE DWG E8
 6. BP ~ INDICATES BEARING PLATES.
 7. STEEL THIS SHEET TO RECEIVE FIREPROOFING EXCEPT STEEL NOTED PAINTED, THUS ONE SHOP COAT
 8. ⊕ INDICATES BEAM WITHOUT ANY SHEAR STUDS.

- NOTES:
 1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
 2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/8" THICK.



SECTION 1
(REF : 2/F0402) E1



SECTION 3
(REF : 1/F0402) E1

BEARING PLATE SCHEDULE		
BEAM SIZE	PLATE t x B x L	WELD SIZE 'd'
BP1	PL 1/2x6x0'-6"	3/4"
BP2	PL 3/4x6x0'-8"	5/8"
BP3	PL 1x6x0'-10"	5/8"

GENERAL NOTES:

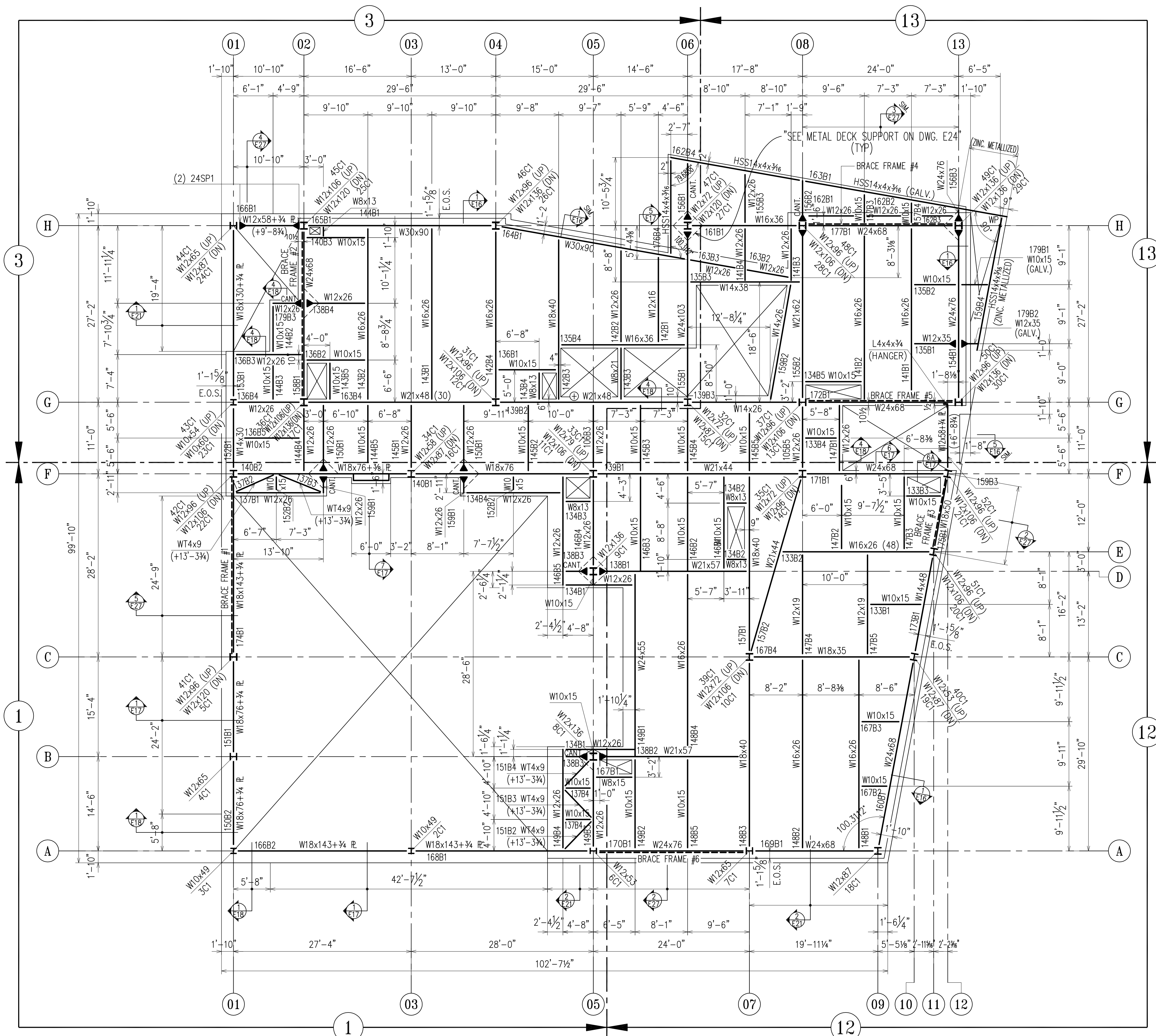
- MATERIAL**
 WF: A992 Gr.50
 HSS RECTANGULAR/SQUARE: A500 Gr.B Fy=46 ksi
 HSS ROUND: A53 Gr.B Fy=42 ksi
 BALANCE: A36
- SHOP CONNECTION**
 WELDED: E70xx
 BOLTED: 3/8" Ø A490-SC, 1 1/2" Ø A490-SC
- FIELD CONNECTION**
 WELDED: AS SHOWN ON PLAN
 BOLTED: 3/8" Ø A490-SC, 1 1/2" Ø A490-SC
- FINISH**
 NO PAINT U.N.O.

APPROVAL/REVIEW AUTHORITY:
 PLEASE REVIEW THIS DRAWING CAREFULLY. IT REPRESENTS OUR INTERPRETATION OF THE INTENT OF THE CONTRACT DOCUMENTS. HOWEVER, THE STEEL FABRICATOR AND THE STRUCTURAL STEEL DETAILER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING. THIS IS THE RESPONSIBILITY OF THE BUYER.
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 SUBSEQUENT CHANGES TO INFORMATION SHOWN ON THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE CONSIDERED AS CONTRACT CHANGES.
 ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

DRAWINGS PREPARED BY:
 DIVISION FIVE DETAILING INC.
 1810 Gallagher Drive
 Vineland, New Jersey 08360
 Phone: (856) 794-9474
 Fax: (856) 696-2027

PAIN:	10/20/00	PER CHECK	2/1/01	PER REC INFO FOR FIELD USE	FOR FIELD
MATERIAL:	10/13/00	PER CHECK	1/4/01	PER REC INFO FOR FIELD USE	4th APPVL
HOLES:	10/11/00	FOR APPROVAL	1/9/00	FOR FIELD USE	3rd APPVL
ELECTRODES:	9/28/00	PER APPROVAL	1/13/00	PER APPVL COMM.	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS	DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310		CONTRACT NO
DATE	9/01/00	LOCATION:	BROOKLYN, NY		S-976
CHECKED	ARS	DWG TITLE:	FIRST FLOOR FRAMING PLAN		DWG NO
DATE	10/13/00				E1



SECOND FLOOR FRAMING PLAN
(REF : S102.00)

- NOTES :
- TOP OF STEEL ELEVATION IS (+13'-5 3/4") U.N.O. ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00')
 - INDICATES FULL MOMENT CONNECTION. SEE CONNECTION CALCULATION.
 - ALL STEEL BEAM TO HAVE 3/4" ϕ x 5" HEADED STUDS @ 1'-0" o.c. ON TOP BEAM UNLESS NOTED (), MINIMUM 1/4" FROM BEAM EDGE.
 - FOR BRACE FRAME ELEVATIONS, SEE DWG E8.
 - FOR HANGER & RELIEV. ANGLE PLAN, SEE DWG E10.
 - FOR GENERAL NOTES, SEE DWG. E1.
 - STEEL THIS SHEET TO RECEIVE FIREPROOFING, EXCEPT STEEL NOTED PAINTED, THUS ONE SHOP COAT.
 - INDICATES BEAM WITHOUT ANY SHEAR STUDS.

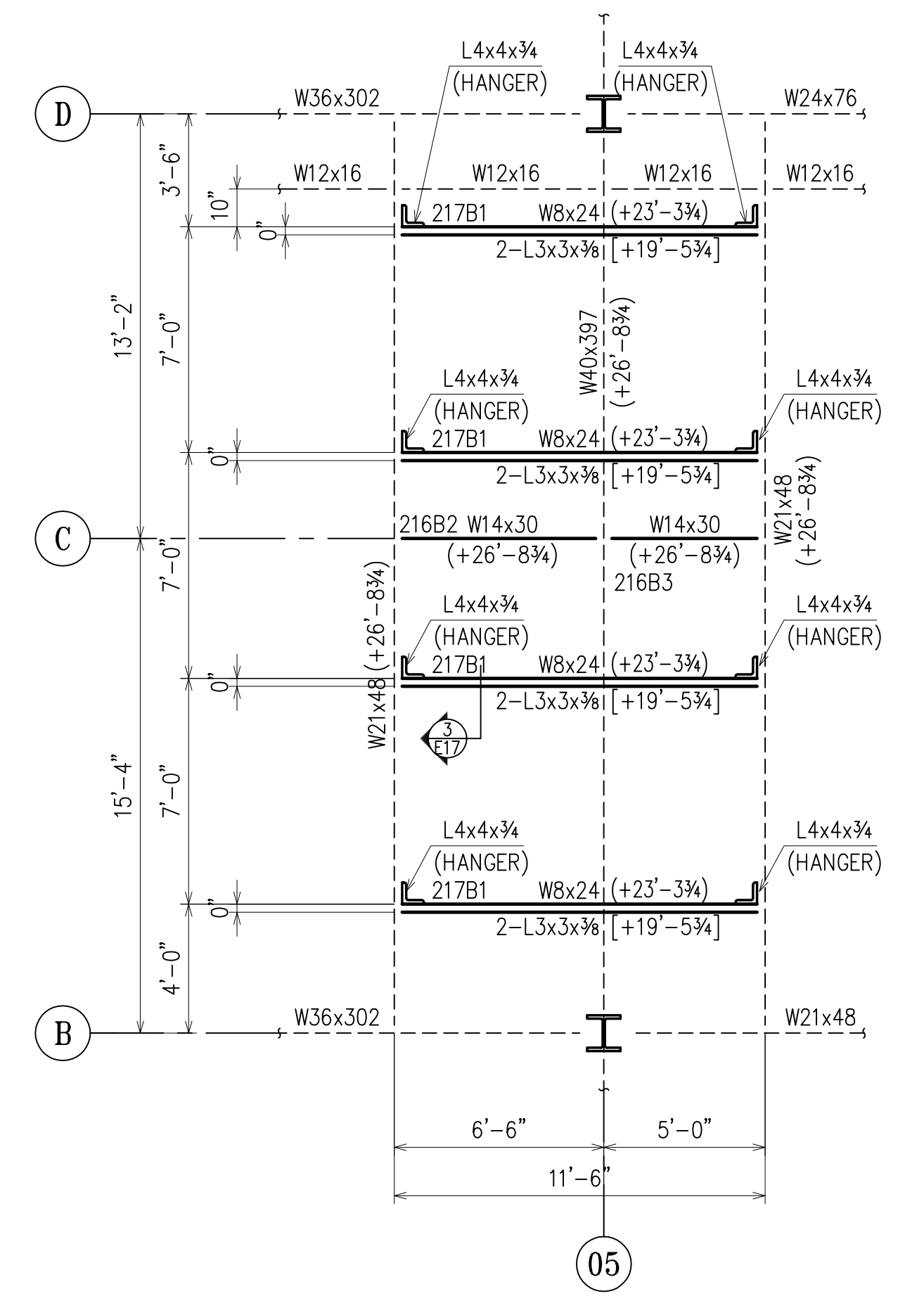
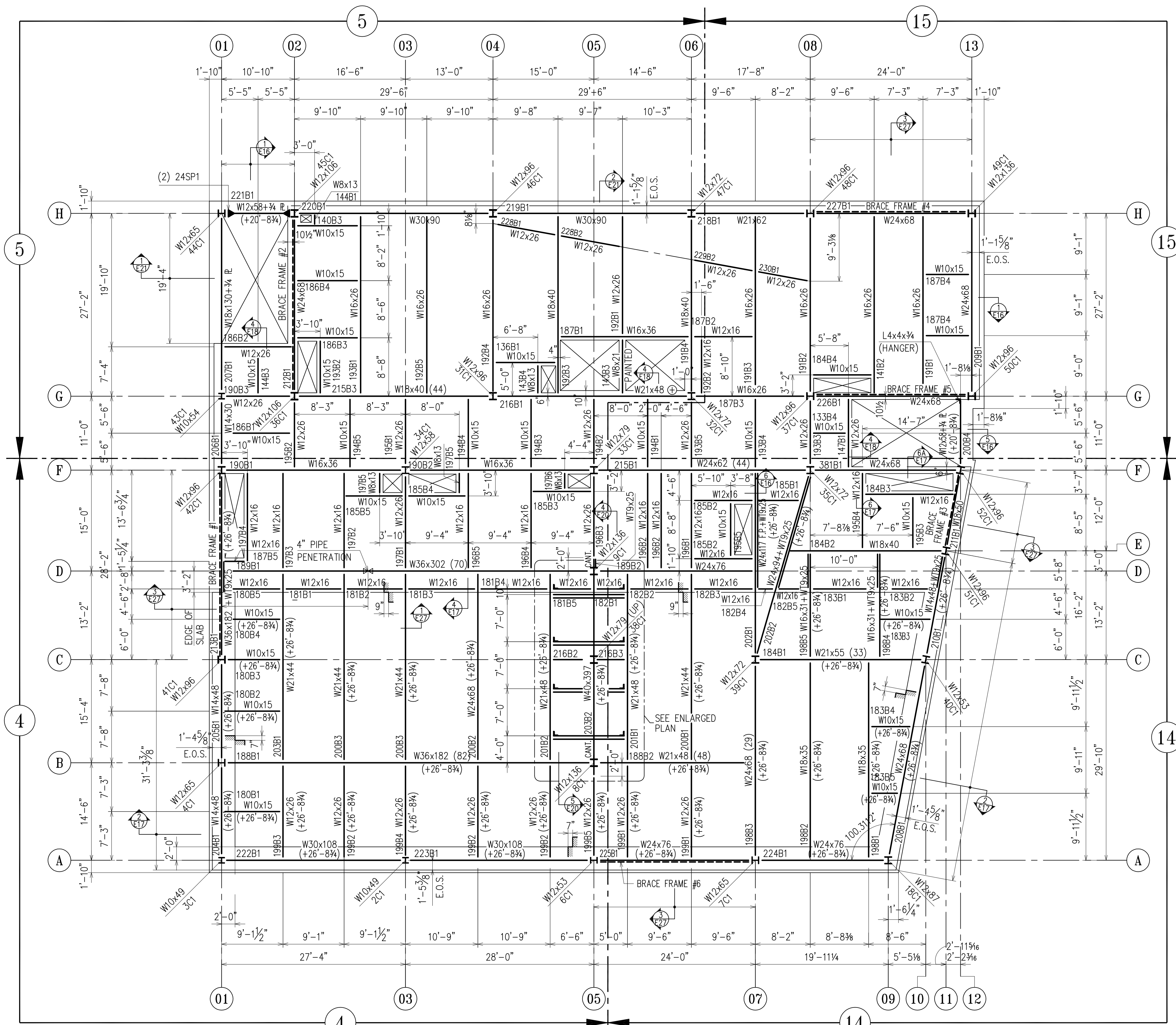
NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16" THICK.

APPROVAL/REVIEW AUTHORITY:
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	10/13/10	PER CHECK			FOR FIELD
MATERIAL:	10/1/10	FOR APPROVAL	2/7/11	PER REC INFO/ FOR FIELD USE	4th APPVL
HOLES:	9/28/10	PER APPROVAL	1/21/11	PER CHECK/ FOR FIELD USE	3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	11/3/10	PER APPV COMM.	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310		CONTRACT NO
DATE	9/01/10	LOCATION:	BROOKLYN, NY		S-976
CHECKED	ARS	DWG TITLE:	SECOND FLOOR FRAMING PLAN		DWG NO
DATE	10/13/10				E2



ENLARGED PLAN

THIRD FLOOR FRAMING PLAN
(REF: S103.00)

- NOTES :
1. TOP OF STEEL ELEVATION IS (+27'-5 3/4") U.N.O. ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00)
 2. [+X'-X"] INDICATES BOTTOM OF STEEL ELEVATIONS.
 3. INDICATES FULL MOMENT CONNECTION. SEE MOMENT CONNECTION CALCULATIONS
 4. INDICATES DROP ON SLAB.
 5. ALL STEEL BEAM TO HAVE 3/4" ø x 5" HEADED STUDS @1'-0" o.c. ON TOP BEAM UNLESS NOTED (), MINIMUM 1/4" FROM BEAM EDGE, U/ NOTED (x) = QTY EQUALLY SPACED ON BEAM.
 6. FOR BRACE FRAME ELEVATIONS, SEE DWG E8.
 7. FOR GENERAL NOTES, SEE DWG. E1.
 8. FOR HANGER & RELIEV. ANGLE PLAN, SEE DWG E11.
 9. STEEL THIS SHEET TO RECEIVE FIREPROOFING, EXCEPT STEEL NOTED PAINTED, THUS ONE SHOP COAT.
 10. ⊕ INDICATES BEAM WITHOUT ANY SHEAR STUDS.

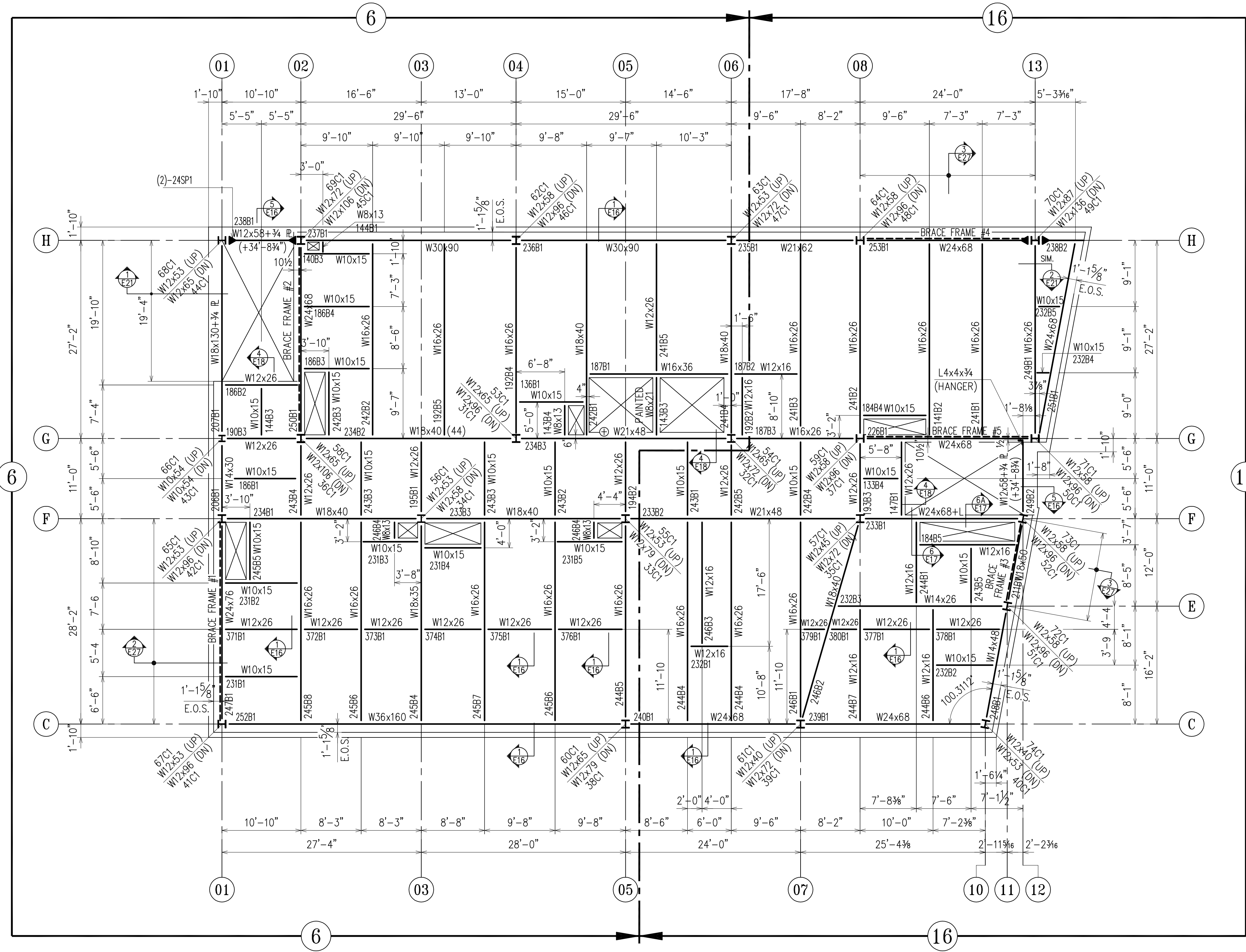
NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16" THICK.

APPROVAL/REVIEW AUTHORITY:
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

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DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	11/3/00	PER APPVL COMM.	2/1/01	PER REC INFO/ FOR FIELD USE	FOR FIELD
MATERIAL:	10/21/00	FOR APPROVAL	1/21/01	PER CHECK/ FOR FIELD USE	4th APPVL
HOLES:	10/15/00	PER RFI RESPONSE	12/28/00	REV PIECE MARK	3rd APPVL
ELECTRODES:	10/13/00	PER CHECK	12/7/00	PER APPVL COMM./ FOR APPROVAL	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER:		WEIR WELDING CO., INC.			
		316 12th STREET		CARLSTADT, NJ 07072	
		PHONE: (201) 939-2284		FAX: (201) 939-5525	
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310		CONTRACT NO
DATE	9/01/10	LOCATION:	BROOKLYN, NY		S-976
CHECKED	ARS	DWG TITLE:	THIRD FLOOR FRAMING PLAN		
DATE	10/13/10				DWG NO
					E3



FOURTH FLOOR FRAMING PLAN
(REF : S104.00)

- NOTES :
1. TOP OF STEEL ELEVATION IS (+41'-5 3/4") U.N.O. ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00')
 2. FOR GENERAL NOTES, SEE DWG. E1.
 3. INDICATES FULL MOMENT CONNECTION. SEE CALCULATIONS
 4. ALL STEEL BEAM TO HAVE 3/4" Ø x 5" HEADED STUDS @1'-0" o.c. ON TOP BEAM UNLESS NOTED (), MINIMUM 1/4" FROM BEAM EDGE, U/ NOTED (x) = QTY EQUALLY SPACED ON BEAM.
 5. FOR BRACE FRAME ELEVATIONS, SEE DWG. E8.
 6. FOR HANGER & RELIEV. ANGLE PLAN, SEE DWG. E12.
 7. STEEL THIS SHEET TO RECEIVE FIREPROOFING THUS NO PAINT, UNLESS NOTED PAINTED WHICH WILL GET ONE SHOP COAT
 8. ⊕ INDICATES BEAM WITHOUT ANY SHEAR STUDS.

- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
 2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16" THICK.

APPROVAL/REVIEW AUTHORITY:
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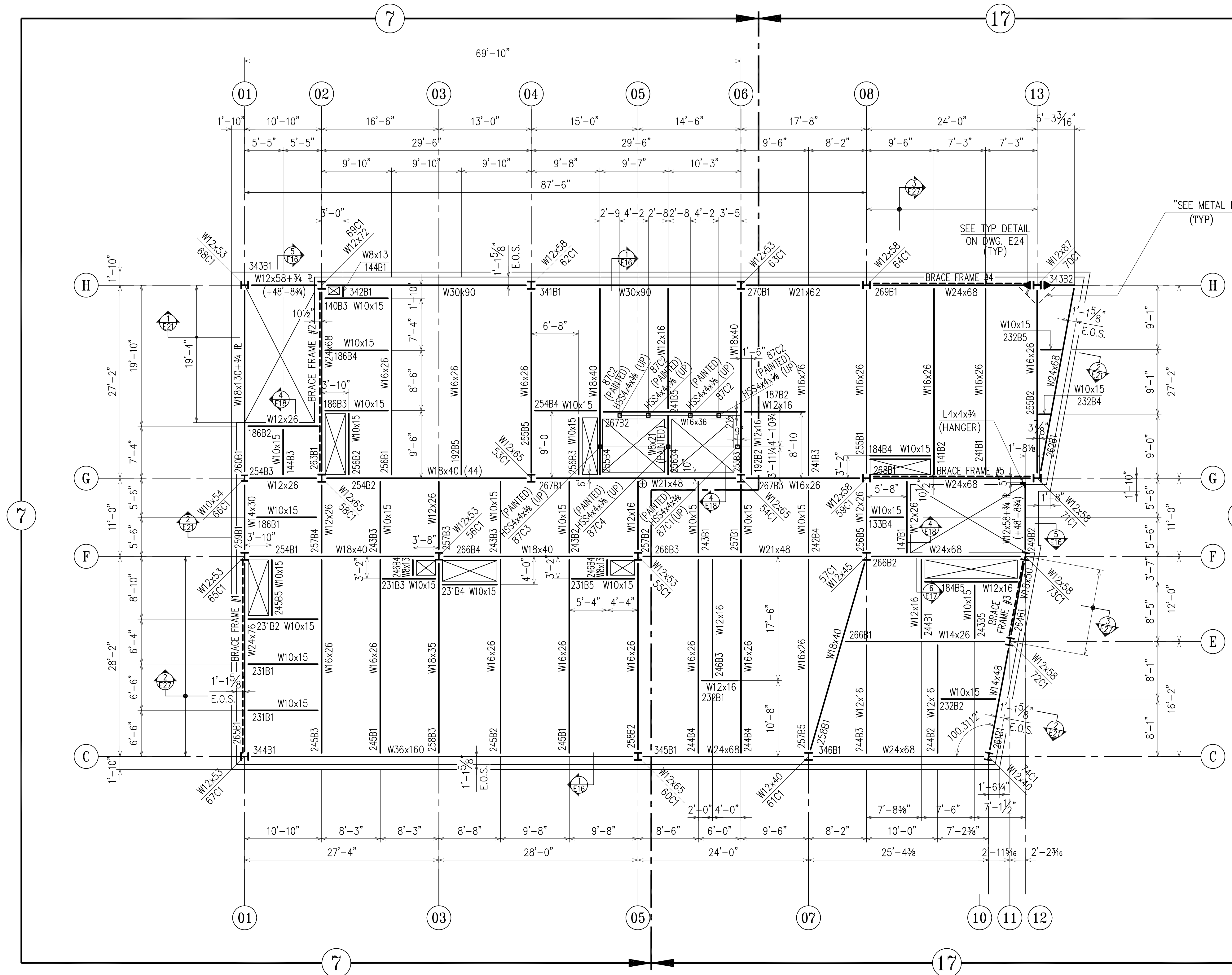
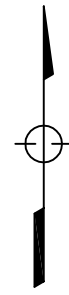
SUBSEQUENT CHANGES TO INFORMATION SHOWN ON THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE CONSIDERED AS CONTRACT CHANGES.

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DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	11/3/10	PER APPVL COMM.	2/1/11	PER REC INFO/ FOR FIELD USE	FOR FIELD
MATERIAL:	11/1/10	ADD MARKINGS	1/21/11	PER CHECK/ FOR FIELD USE	4th APPVL
HOLES:	10/13/10	PER CHECK	12/7/10	PER APPVL COMM./ FOR APPROVAL	3rd APPVL
ELECTRODES:	10/11/10	FOR APPROVAL	11/25/10	ADD PIECE MARKS	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER D5	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO
DATE 9/01/10	LOCATION:	BROOKLYN, NY			S-976
CHECKED ARS	DWG TITLE: FOURTH FLOOR FRAMING PLAN				DWG NO
DATE 10/13/10					E4



FIFTH FLOOR FRAMING PLAN
(REF : S105.00)

- NOTES :
1. TOP OF STEEL ELEVATION IS (+55'-5 3/4") U.N.O. ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00')
 2. ——— INDICATES FULL MOMENT CONNECTION. SEE MOMENT CONNECTION CALCULATIONS
 3. ALL STEEL BEAM TO HAVE 3/4" Ø x 5" HEADED STUDS @1'-0" o.c. ON TOP BEAM UNLESS NOTED (), MINIMUM 1 1/4" FROM BEAM EDGE.
 4. FOR BRACE FRAME ELEVATIONS, SEE DWG E8.
 5. FOR GENERAL NOTES, SEE DWG. E1.
 6. FOR HANGER & RELIEV. ANGLE PLAN, SEE DWG E13.
 7. STEEL THIS SHEET TO RECEIVE FIREPROOFING THUS NO PAINT, EXCEPT STEEL NOTED AS PAINTED TO RECEIVE ONE SHOP COAT.
 8. ⊕ INDICATES BEAM WITHOUT ANY SHEAR STUDS.

NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16" THICK.

APPROVAL/REVIEW AUTHORITY:
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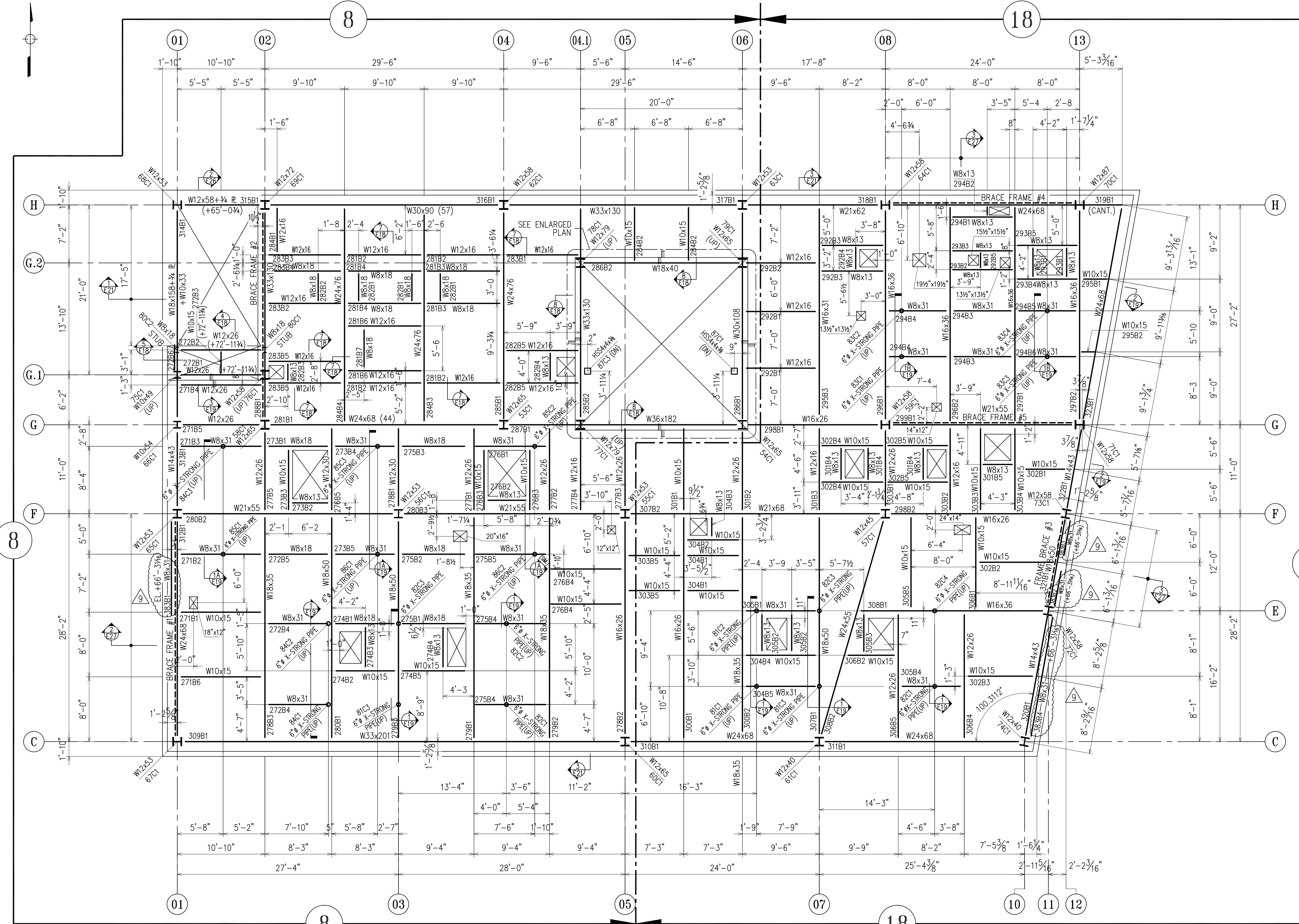
SUBSEQUENT CHANGES TO INFORMATION SHOWN ON THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE CONSIDERED AS CONTRACT CHANGES.

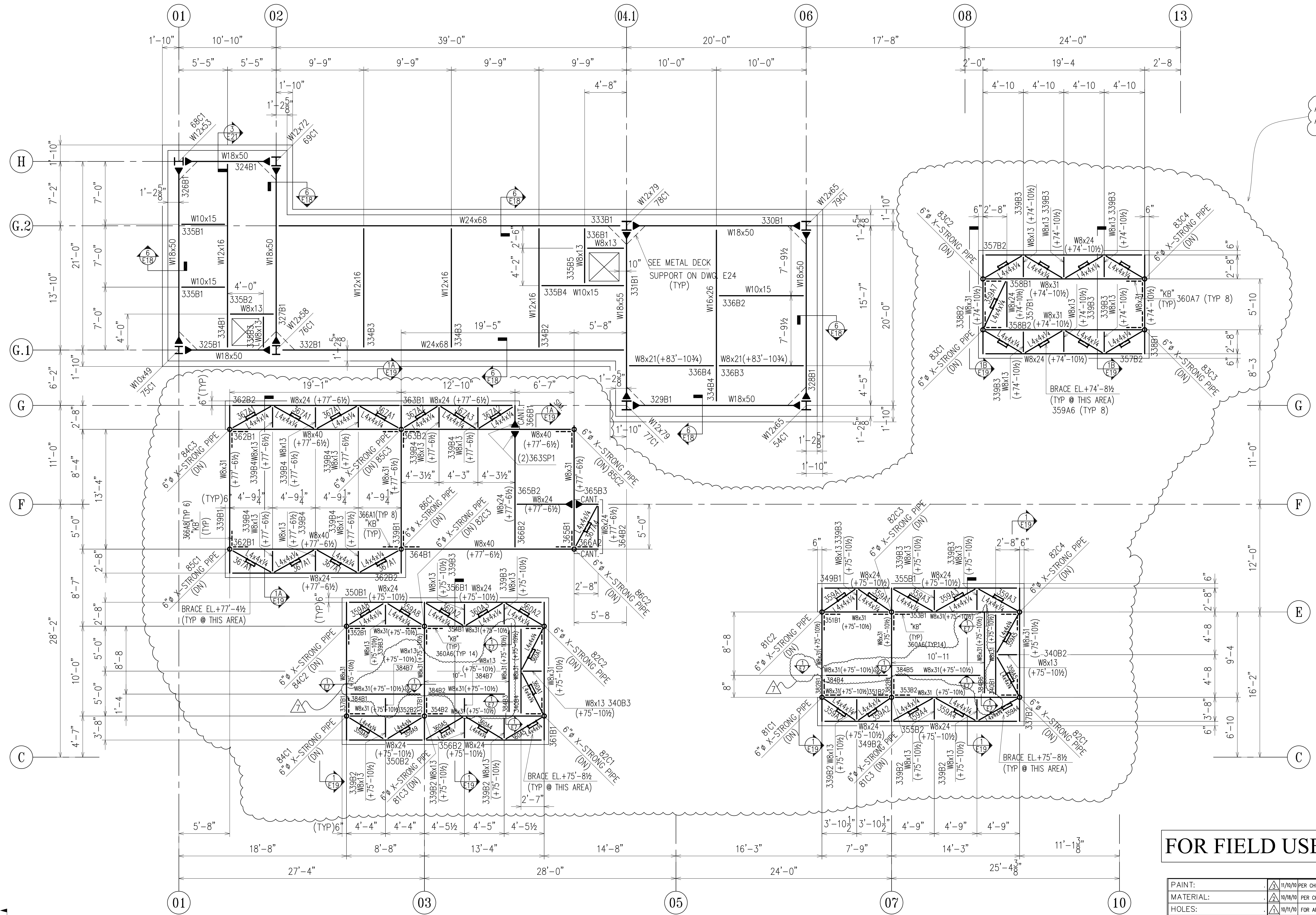
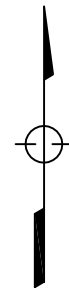
ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	1/4/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE	FOR FIELD
MATERIAL:	10/18/10	PER CHECK	1/21/11	PER CHECK/ FOR FIELD USE	4th APPVL
HOLES:	10/11/10	FOR APPROVAL	12/17/10	PER REC INFO	3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	11/7/10	PER APPVL COMM.	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER D5	PROJECT: PRIMARY SCHOOL 310	CONTRACT NO	S-976		
DATE 9/01/10	LOCATION: BROOKLYN, NY	DWG TITLE: FIFTH FLOOR FRAMING PLAN	DWG NO		
CHECKED ARS			E5		
DATE 10/18/10					

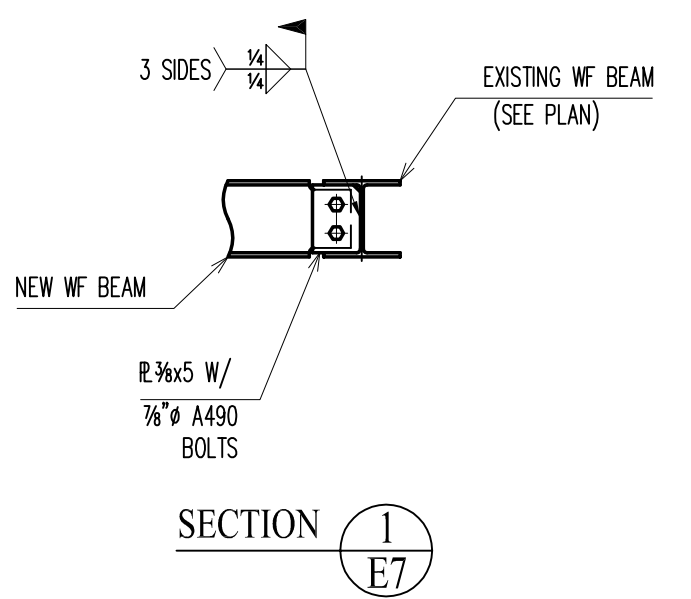




ALL EXPOSED STEEL TO BE GALVANIZED AND NO FIREPROOFING IS REQUIRED

BULKHEAD ROOF FRAMING AND DUNNAGE FRAMING PLANS (SEQ. 9)
(REF : S107.00)

- NOTES :
1. TOP OF STEEL ELEVATION IS (+83'-5 3/4") U.N.O. ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00')
 2. INDICATES FULL MOMENT CONNECTION, SEE MOMENT CONNECTION CALCULATIONS.
 3. L4x4x1/4 BRACE MEMBERS ARE 2" BELOW TOP OF DUNNAGE BEAM.
 4. ALL STEEL TO BE GALVANIZED THUS NO PAINT WITH THE EXCEPTION OF THE DUNNAGE STEEL WHICH IS TO BE GALVANIZED.
 5. FOR GENERAL NOTES, SEE DWG. E1.
 6. FOR HANGER & RELIEV. ANGLE PLAN, SEE DWG. E15.
 7. "KB" DENOTES L4x4x1/4 KNEE BRACE.



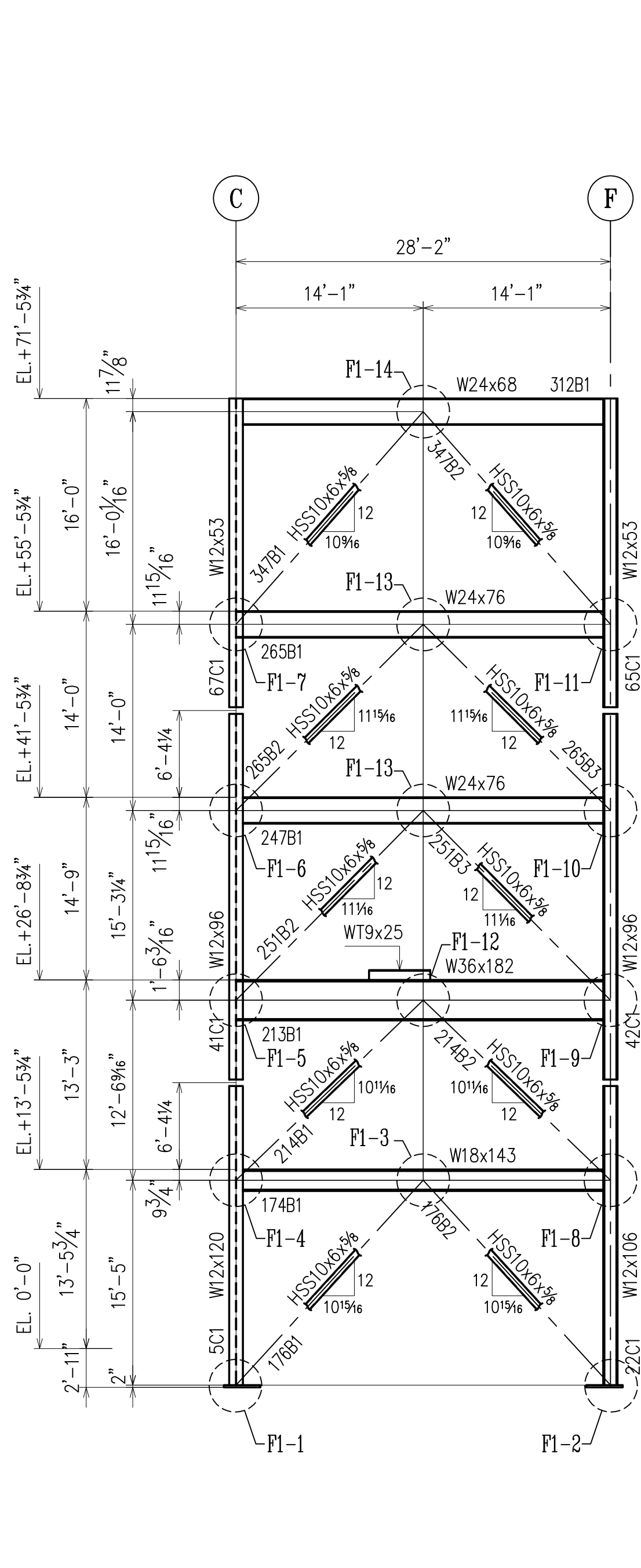
- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
 2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16" THICK.

DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

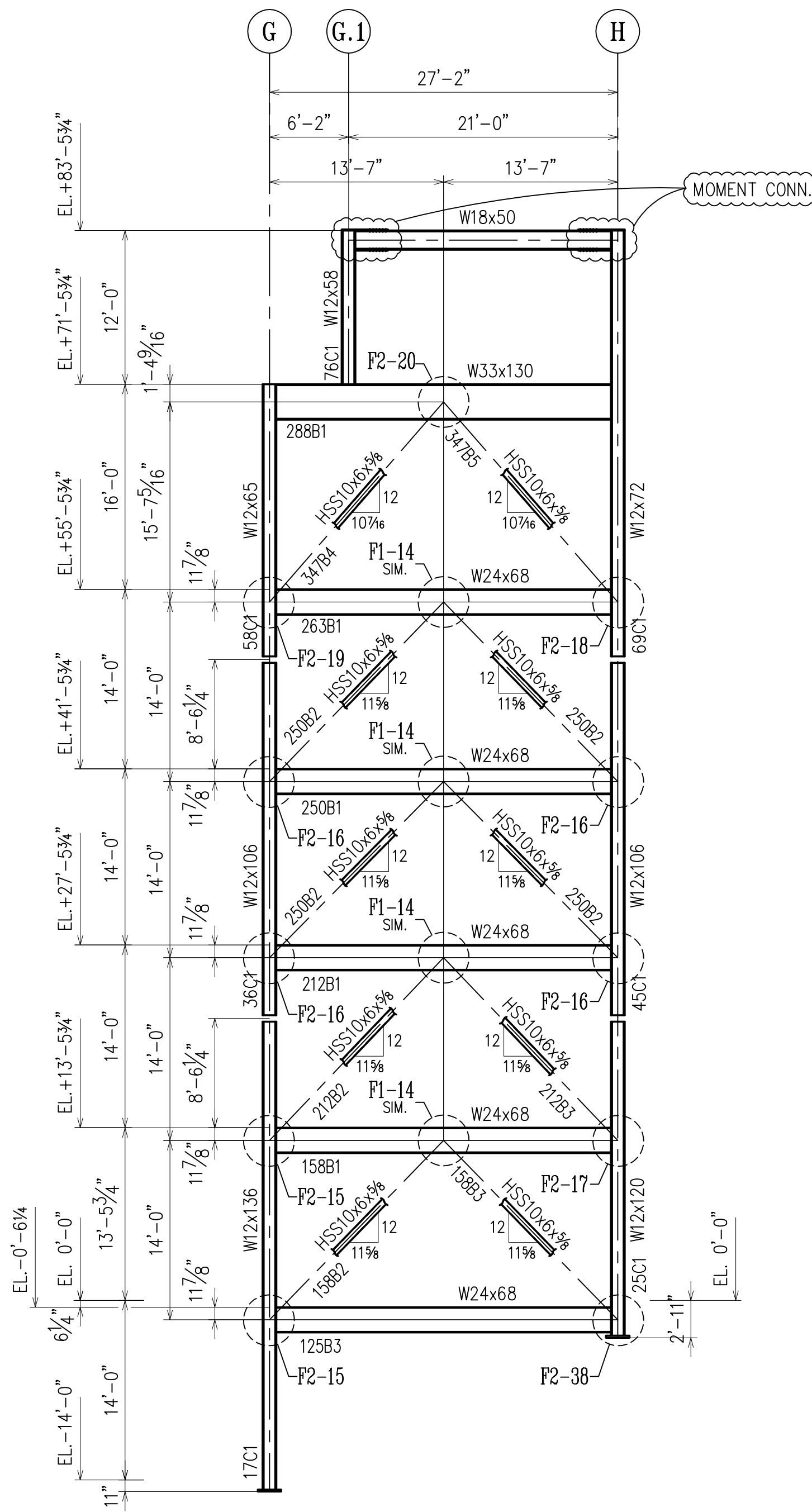
FOR FIELD USE

APPROVAL/REVIEW AUTHORITY:
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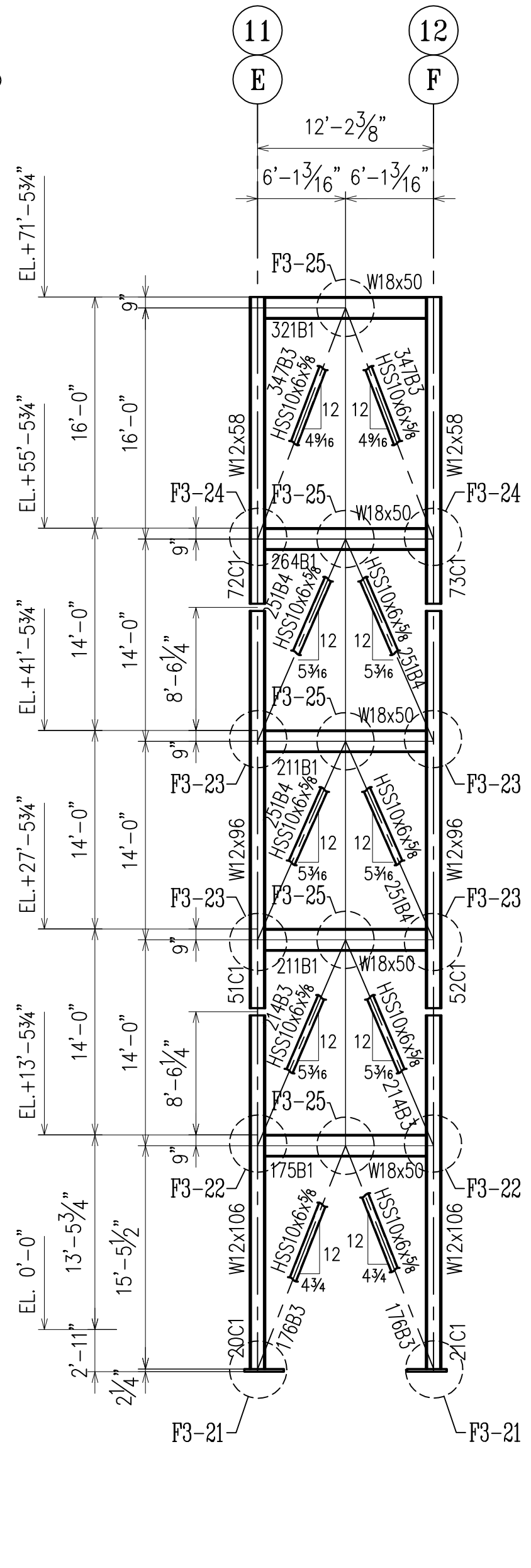
PAINT:	11/10/10 PER CHECK/FOR APPL	9/15/11 ADD BEAMS FOR FIELD USE	FOR FIELD
MATERIAL:	10/18/10 PER CHECK	2/7/11 REV PIECE MARKS/ FOR FIELD USE	4th APPVL
HOLES:	10/11/10 FOR APPROVAL	2/7/11 PER REC INFO/ FOR FIELD USE	3rd APPVL
ELECTRODES:	8/23/10 FOR APPROVAL	11/12/10 ADD PIECE MARKS/ FOR APPROVAL	2nd APPVL
TOTAL WEIGHT	NO DATE DESCRIPTION	NO DATE DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS
CUSTOMER:			DATE
WEIR WELDING CO., INC.			
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525			
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310
DATE	9/01/10	LOCATION:	BROOKLYN, NY
CHECKED	ARS	DWG TITLE:	BULKHEAD ROOF FRAMING AND DUNNAGE FRAMING PLANS (SEQ.9)
DATE	10/18/10		
			CONTRACT NO
			S-976
			DWG NO
			E7



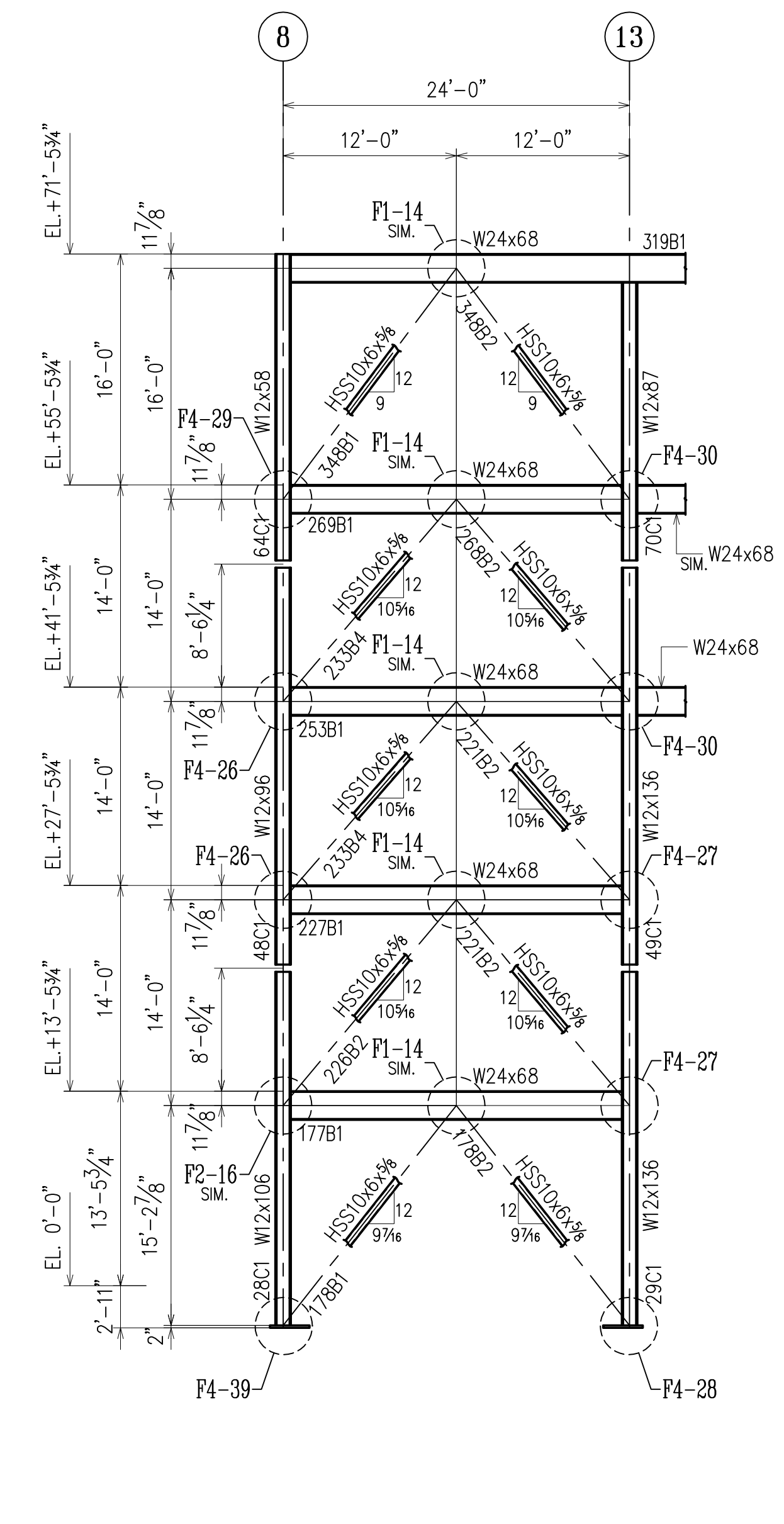
BRACE FRAME #1 ALONG GRID LINE 1
(REF : S305.00)



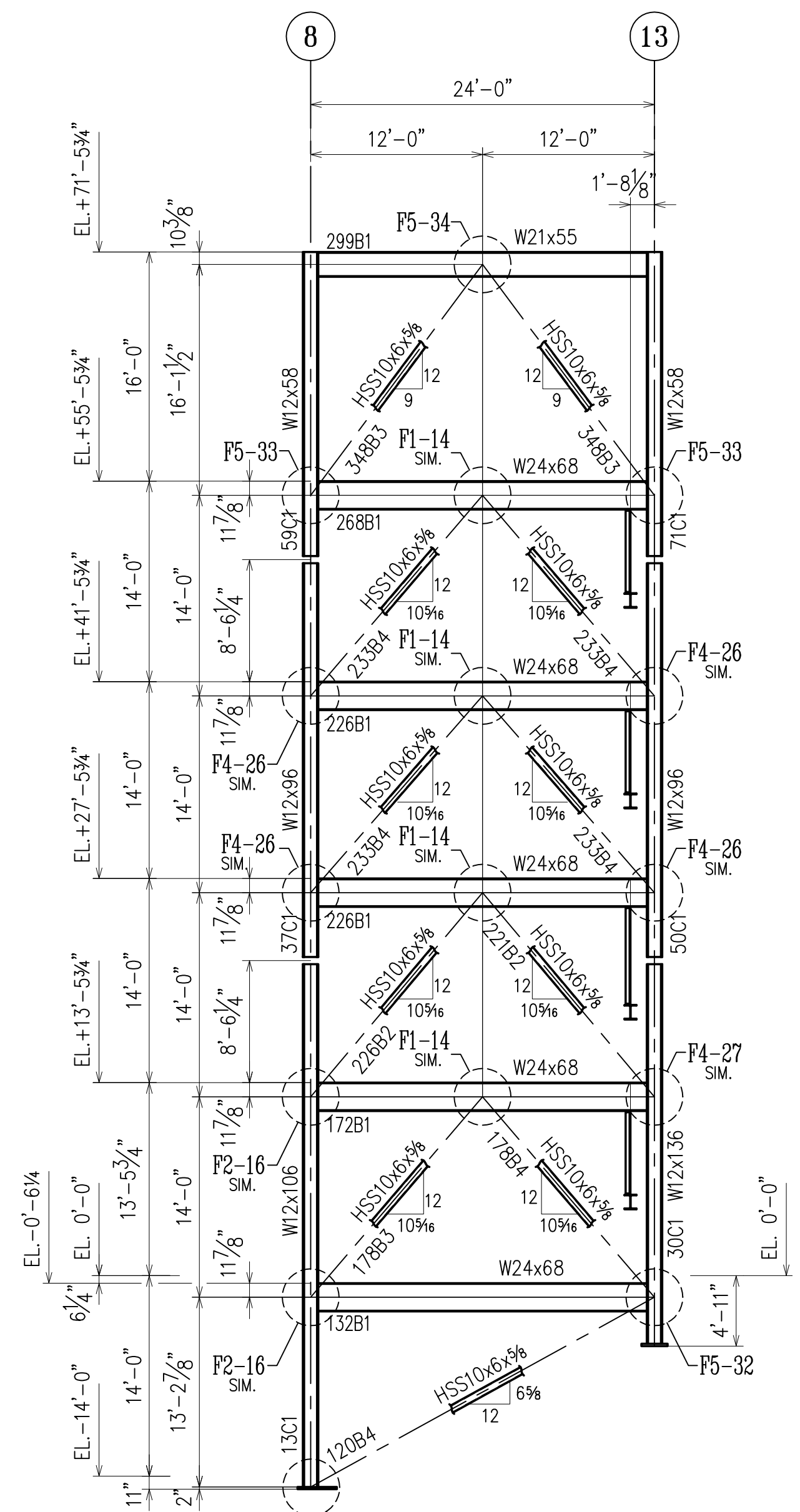
BRACE FRAME #2 ALONG GRID LINE 2
(REF : S305.00)



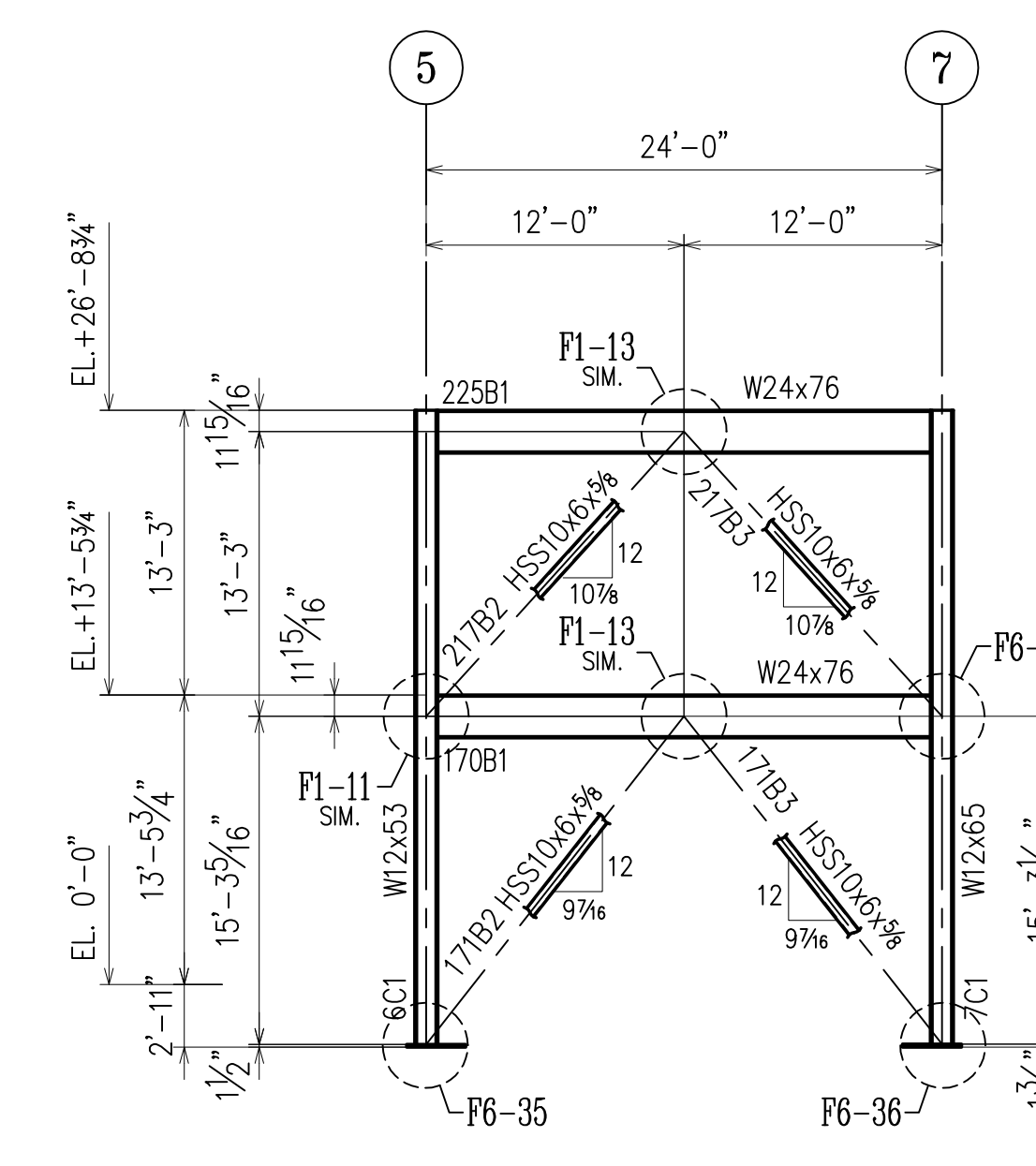
BRACE FRAME #3 ALONG GRID LINE 11 & 12
(REF : S305.00)



BRACE FRAME #4 ALONG GRID LINE H
(REF : S305.00)



BRACE FRAME #5 ALONG GRID LINE G
(REF : S306.00)



BRACE FRAME #6 ALONG GRID LINE A
(REF : S306.00)

- NOTES :
1. ALL BOLTS SHALL BE MIN. $\frac{7}{8}$ ϕ A325-SC OR A490-SC BOLTS.
 2. SIZE ALL CONNECTIONS, WELDS AND BOLTS AS PER SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS ANSI/AISC 341-02, AND CONNECTION CAPACITY REQUIRED FOR ORDINARY CONCENTRICALLY BRACED FRAMES (OCBF) WITH $R=5$. THE REQUIRED STRENGTH OF BRACE CONNECTION IS EXPECTED TENSILE STRENGTH OF THE BRACE DETERMINED AS $R_y f_y A_g$, USE UNIFORM FORCE METHOD FOR BRACING CONNECTION DESIGN. PROVIDE SHIM PLATES AS REQUIRED. ALLOWABLE STRESS INCREASE OF 1.33 IS NOT PERMITTED.
 3. ALL GIRDERS AND BEAMS IN FRAME AND TRUSS ELEVATIONS SHALL HAVE $\frac{3}{4}$ ϕ HEADED STUDS x 5" LONG SPACED 1'-0" ON CENTER OVER FULL LENGTH OF FLANGE U.O.N.
 4. FOR BRACE CONNECTIONS, SEE CALCULATION SHEETS.

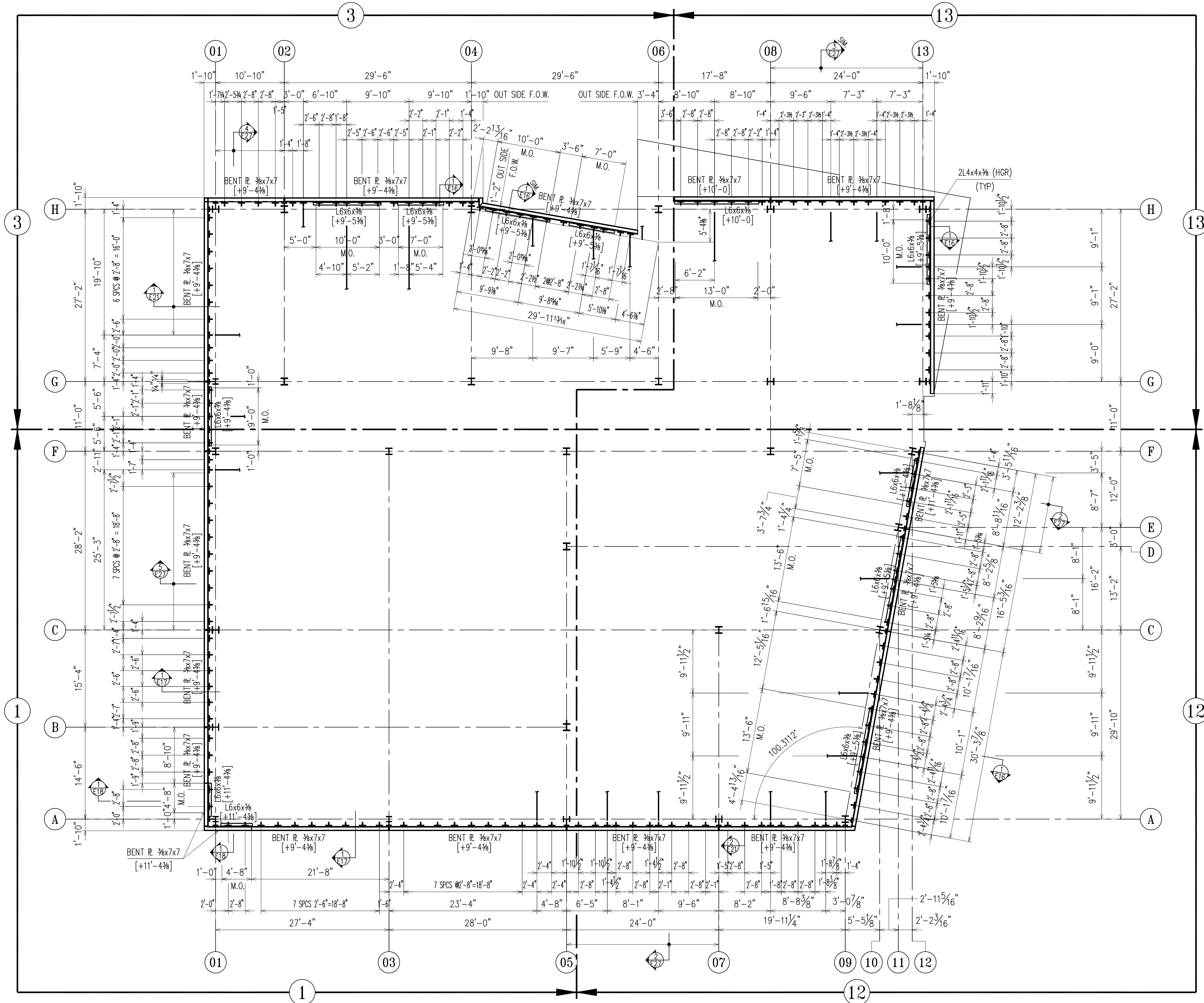
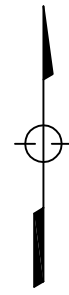
- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
 2. ALL PLATE WASHERS WILL BE A MINIMUM OF $\frac{3}{16}$ " THICK.

APPROVAL/REVIEW AUTHORITY:
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey 08360	
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	1/1/00	ADD PIECE MARKS	2/1/01	PER REC INFO/ FOR FIELD USE	FOR FIELD
MATERIAL:	10/8/00	PER CHECK	1/21/01	PER CHECK/ FOR FIELD USE	4th APPVL
HOLES:	10/1/00	FOR APPROVAL	11/10/00	ADD PIECE MARKS/ FOR APPROVAL	3rd APPVL
ELECTRODES:	9/28/00	PER APPROVAL	11/3/00	PER APPVL COMM	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072					
PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER D5	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO
DATE 9/01/00	LOCATION:	BROOKLYN, NY			S-976
CHECKED ARS	DWG TITLE:	BRACE FRAME ELEVATIONS			DWG NO
DATE 10/18/00					E8



APPROVAL/REVIEW AUTHORITY:
 PLEASE REVIEW THIS DRAWING CAREFULLY. IT REPRESENTS OUR INTERPRETATION OF THE INTENT OF THE CONTRACT DOCUMENTS. HOWEVER, THE STEEL FABRICATOR AND THE STRUCTURAL STEEL DETAILER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING. THIS IS THE RESPONSIBILITY OF THE BUYER.
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 ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR SECOND FLOOR
 (REF : S102.00)

NOTES : 1. BOTTOM OF STEEL ELEVATIONS NOTED THUS [+X'-X"] ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00")
 2. FOR GENERAL NOTES, SEE DWG. E1.
 3. FOR RELIEVING ANGLE TO COLUMN CONN, SEE E24.

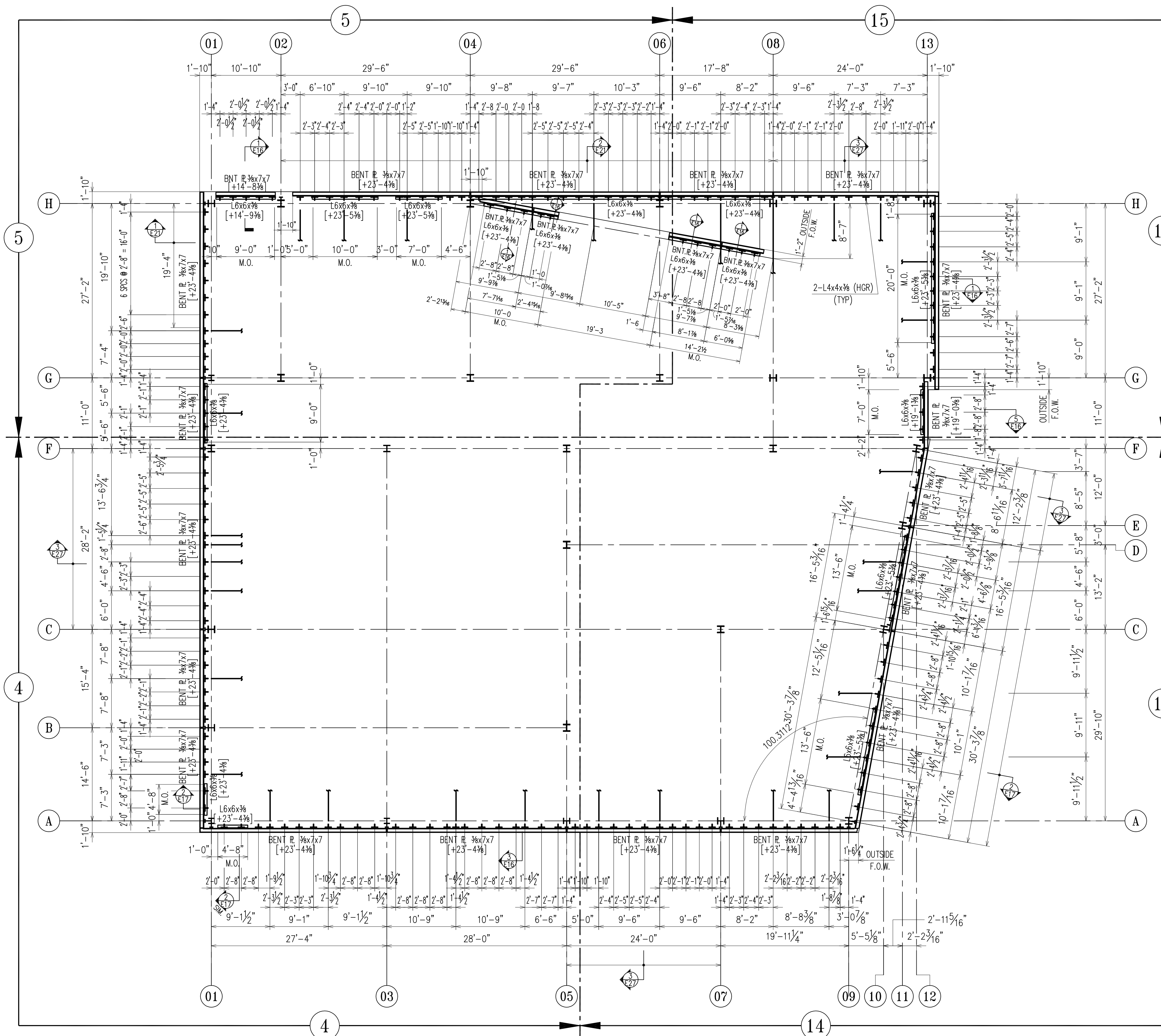
FOR FIELD USE

DRAWINGS PREPARED BY:
 DIVISION FIVE DETAILING INC.
 1810 Gallagher Drive
 Vineland, New Jersey 08360
 Phone: (856) 794-9474
 Fax: (856) 696-2027

PAINT:	10/13/10	PER CHECK	2/1/11	PER REC INFO/ FOR FIELD USE	FOR FIELD
MATERIAL:	10/11/10	FOR APPROVAL	1/21/11	PER CHECK/ FOR FIELD USE	4th APPVL
HOLES:	9/28/10	PER APPROVAL	1/11/10	REV SPACING	3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	1/13/10	PER APPVL COMM.	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

CUSTOMER:
WEIR WELDING CO., INC.
 316 12th STREET CARLSTADT, NJ 07072
 PHONE: (201) 939-2284 FAX: (201) 939-5525

DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310	CONTRACT NO	S-976
DATE	9/01/10	LOCATION:	BROOKLYN, NY	DWG NO	E10
CHECKED	ARS	DWG TITLE:	HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR SECOND FLOOR		
DATE	10/13/10				



HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR THIRD FLOOR
(REF : S103.00)

NOTES : 1. BOTTOM OF STEEL ELEVATIONS NOTED THUS [+X'-X\"] ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0\"/>

NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 9/16\"/>

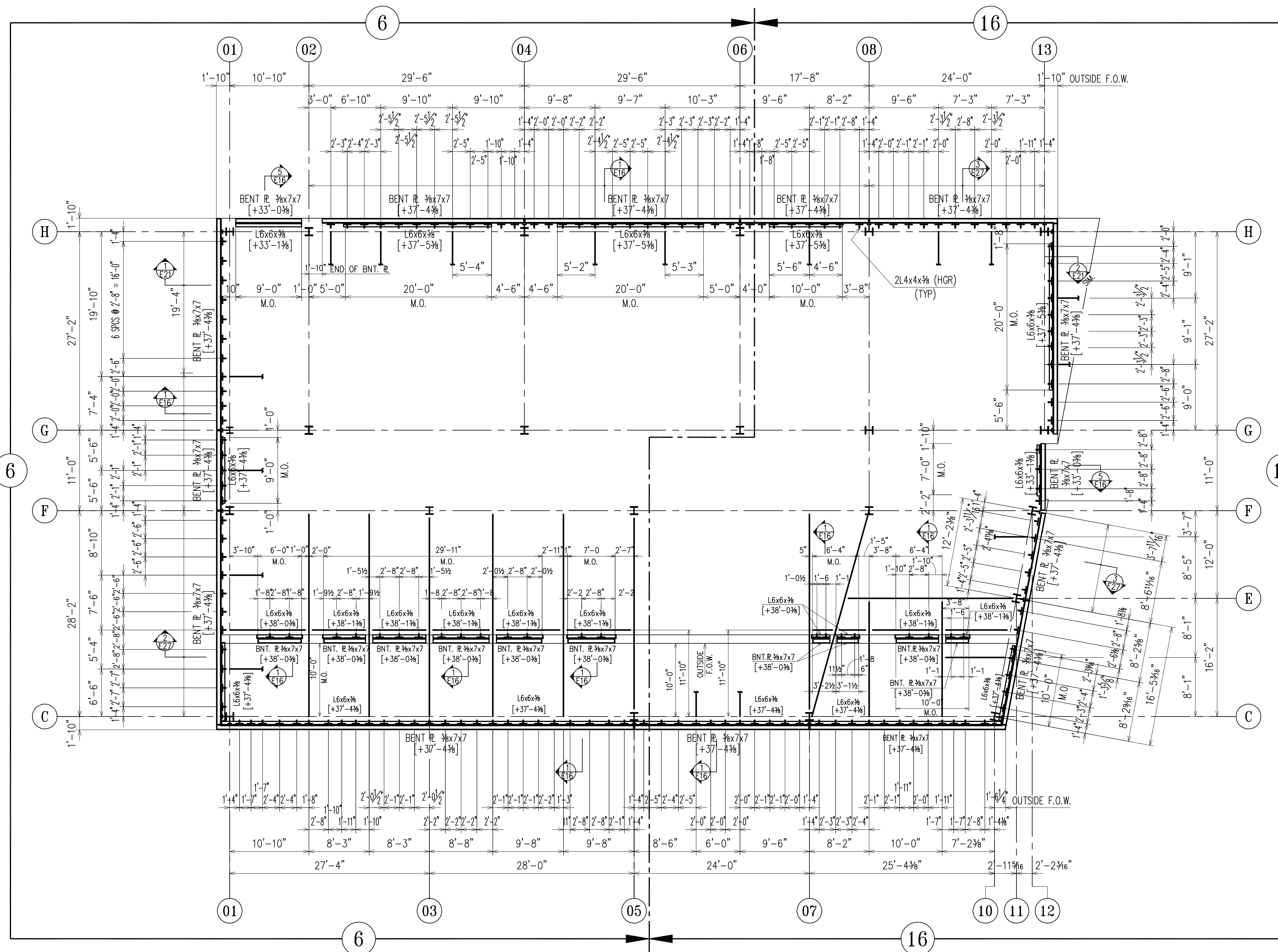
APPROVAL/REVIEW AUTHORITY:
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FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey 08360	
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	10/21/10	FOR APPROVAL			FOR FIELD
MATERIAL:	10/13/10	PER CHECK	2/1/11	PER REC INFO/ FOR FIELD USE	4th APPVL
HOLES:	10/11/10	FOR APPROVAL	1/21/11	PER CHECK/ FOR FIELD USE	3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	12/7/10	PER APPVL COMM./ FOR APPROVAL	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

CUSTOMER:		WEIR WELDING CO., INC.	
		316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525	
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310
DATE	9/01/10	LOCATION:	BROOKLYN, NY
CHECKED	ARS	DWG TITLE:	HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR THIRD FLOOR
DATE	10/13/10	CONTRACT NO	S-976
		DWG NO	E11



HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR FOURTH FLOOR
(REF : S104.00)

- NOTES : 1. BOTTOM OF STEEL ELEVATIONS NOTED THUS [+X'-X\"] ON PLAN
TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0\" (ACTUAL=+58.00')
2. FOR GENERAL NOTES, SEE DWG. E1.

- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/8\" THICK.

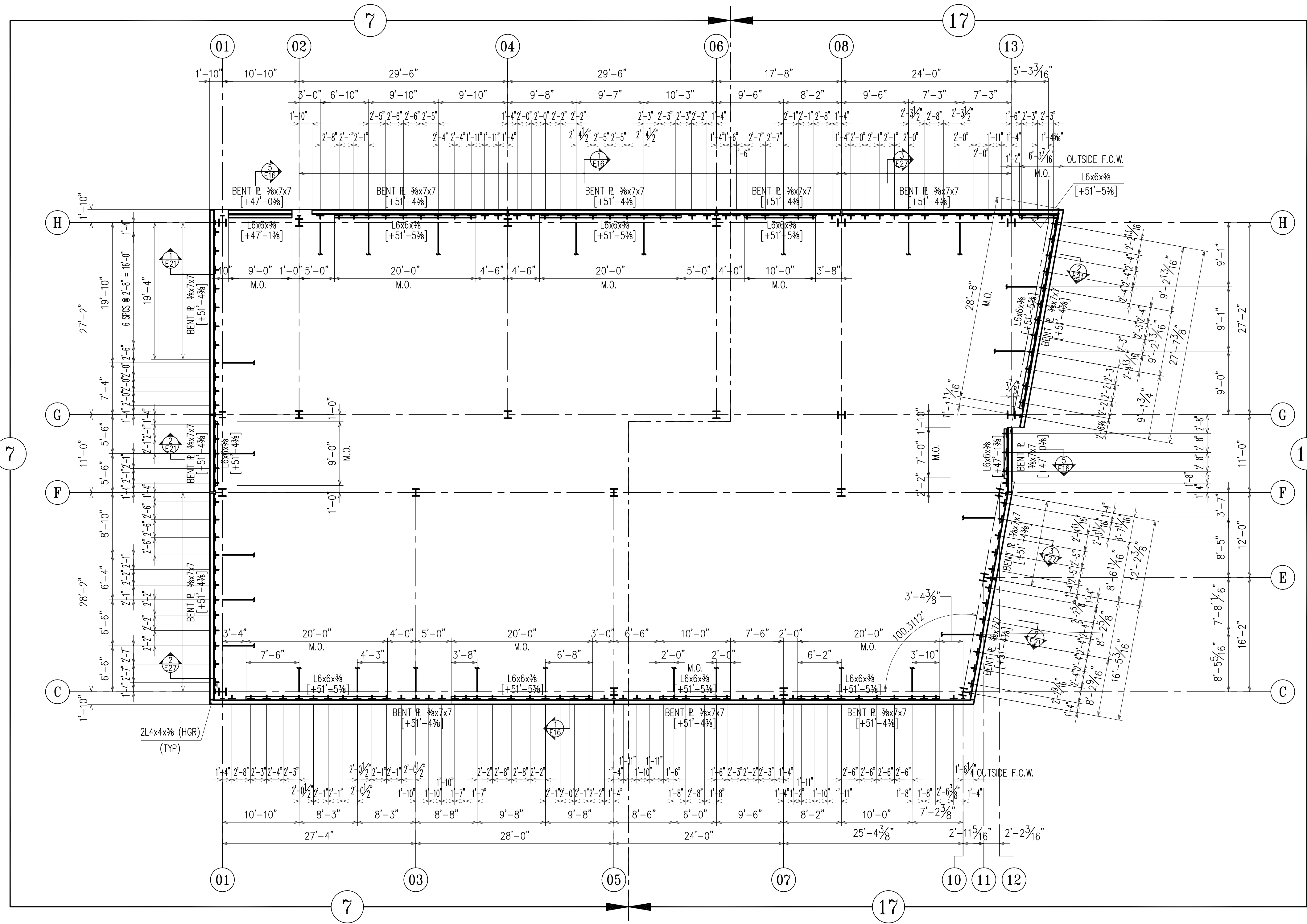
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	1/3/10	PER APPVL COMM.	2/1/11	PER REC INFO/ FOR FIELD USE	FOR FIELD
MATERIAL:	10/13/10	PER CHECK	1/21/11	PER CHECK/ FOR FIELD USE	4th APPVL
HOLES:	10/11/10	FOR APPROVAL	12/7/10	PER APPVL COMM./ FOR APPROVAL	3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	11/19/10	PER RFI RESPONSE	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BSC	REVISIONS		DATE
CUSTOMER:		WEIR WELDING CO., INC.			

316 12th STREET PHONE: (201) 939-2284		CARLSTADT, NJ 07072 FAX: (201) 939-5525			
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310	CONTRACT NO	S-976
DATE	9/01/10	LOCATION:	BROOKLYN, NY	DWG NO	E12
CHECKED	ARS	HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR FOURTH FLOOR			
DATE	10/13/10				



HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR FIFTH FLOOR
(REF : S105.00)

- NOTES : 1. BOTTOM OF STEEL ELEVATIONS NOTED THUS [+X'-X"] ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00")
2. FOR GENERAL NOTES, SEE DWG. E1.

- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16" THICK.

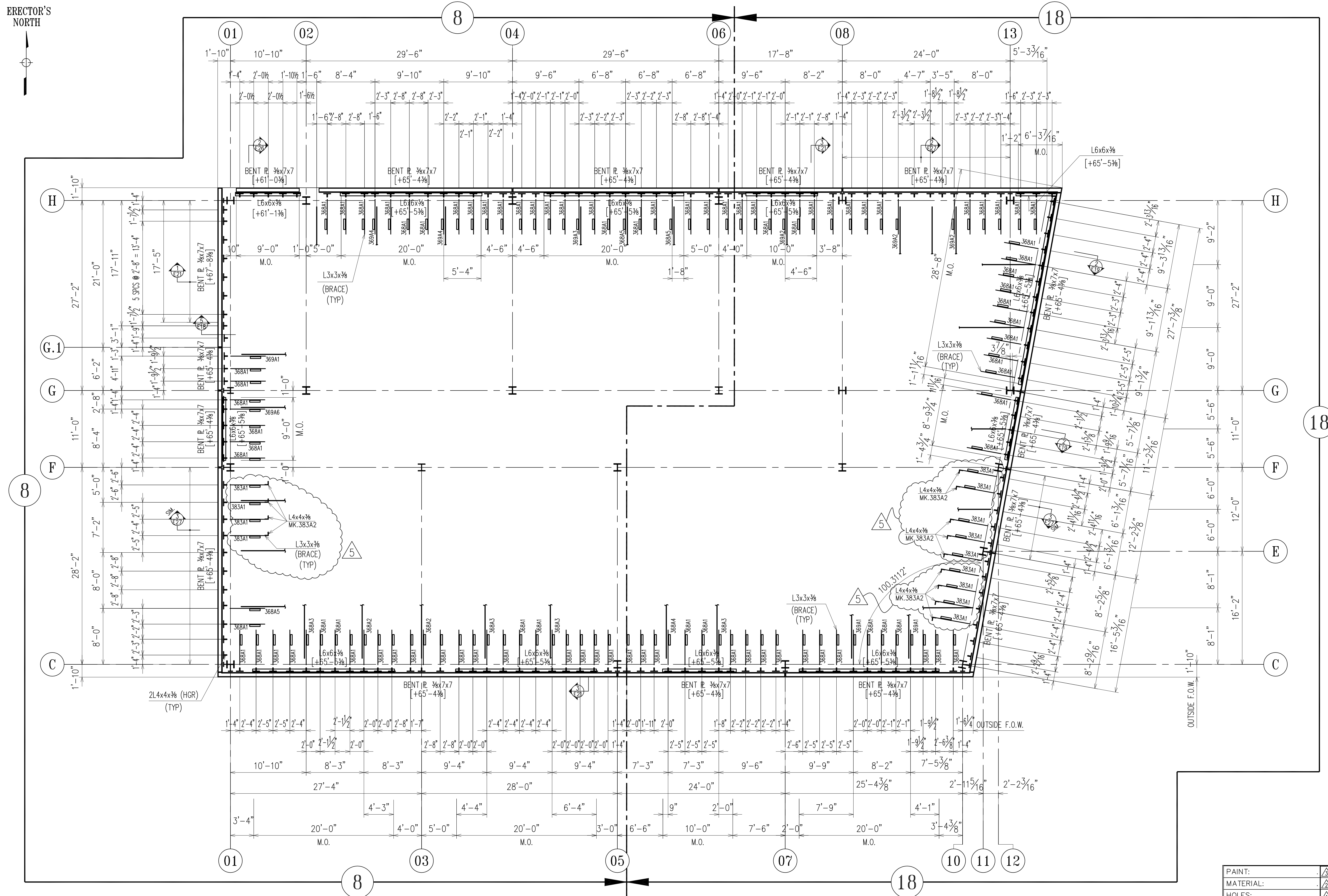
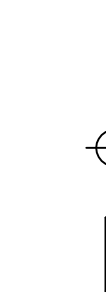
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FOR FIELD USE

DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	1/21/11	PER CHECK/ FOR FIELD USE				FOR FIELD	
MATERIAL:	10/18/10	PER CHECK				4th APPVL	
HOLES:	10/11/10	FOR APPROVAL				3rd APPVL	
ELECTRODES:	8/23/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:						WEIR WELDING CO., INC.	
						316 12th STREET CARLSTADT, NJ 07022 PHONE: (201) 939-2284 FAX: (201) 939-5525	
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO	
DATE	9/01/10	LOCATION:	BROOKLYN, NY			S-976	
CHECKED	ARS	DWG TITLE:	HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR FIFTH FLOOR			DWG NO	
DATE	10/18/10					E13	

ERECTOR'S
NORTH



18

NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.

HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR ROOF FRAMING
(REF : S106.00)

NOTES : 1. BOTTOM OF STEEL ELEVATIONS NOTED THUS [+X'-X"] ON PLAN TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00)
2. FOR GENERAL NOTES, SEE DWG. E1.

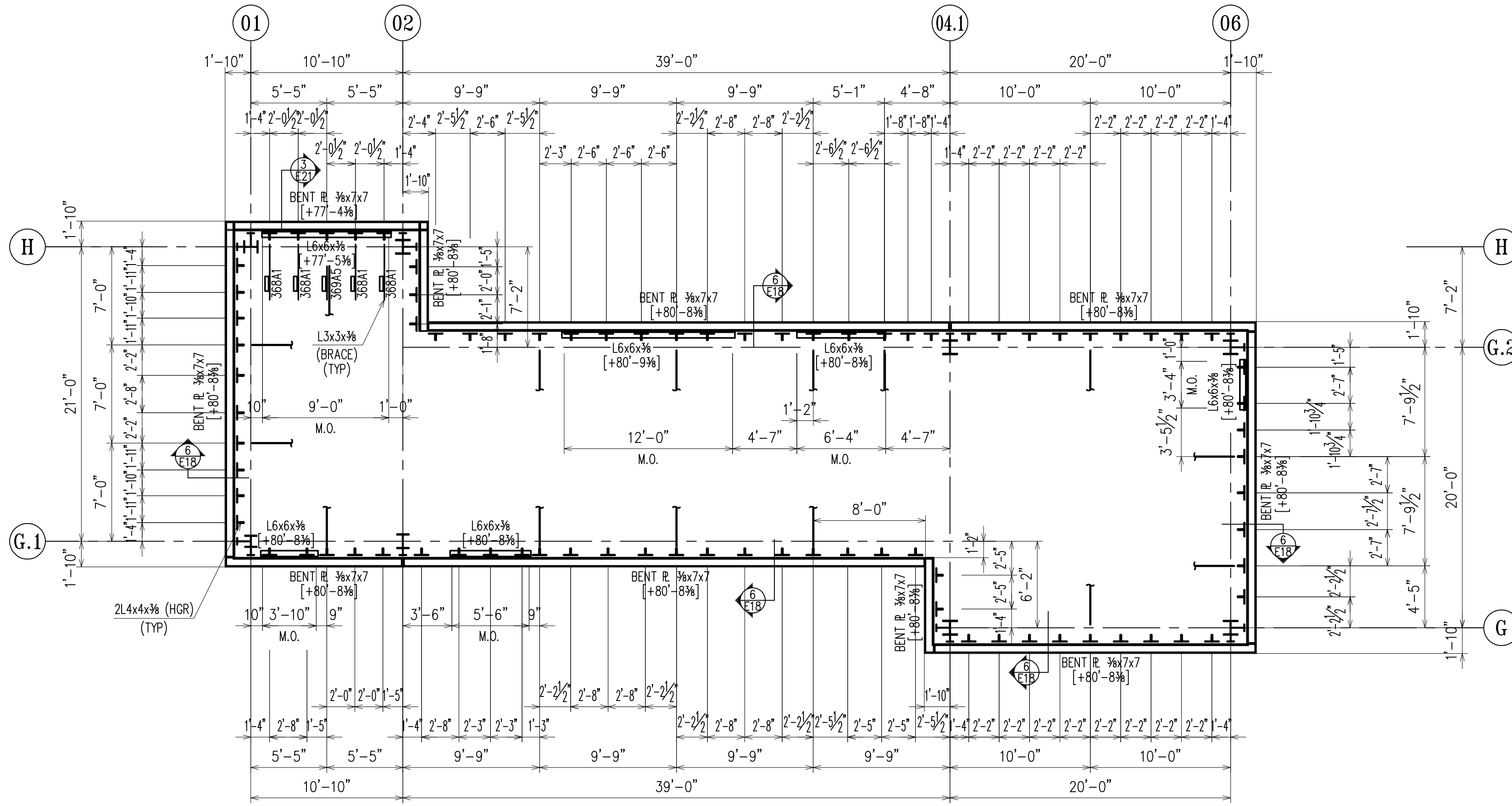
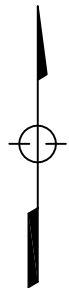
FOR FIELD USE

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DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	11/15/10	ADD MARKINGS				FOR FIELD
MATERIAL:	10/18/10	PER CHECK				4th APPVL
HOLES:	10/11/10	FOR APPROVAL	5/31/11	PER REC INFO/ FOR FIELD USE		3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL
SC	BC	BCSC			REVISIONS	DATE
						ISSUE

CUSTOMER:		WEIR WELDING CO., INC.			
		316 12th STREET CARLSTADT, NJ 07022 PHONE: (201) 939-2284 FAX: (201) 939-5525			
DRAFTER	D5	PROJECT:	PRIMARY SCHOOL 310		CONTRACT NO
DATE	9/01/10	LOCATION:	BROOKLYN, NY		S-976
CHECKED	ARS	DWG TITLE:	HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR ROOF FRAMING		DWG NO
DATE	10/18/10				E14



HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN FOR BULKHEAD ROOF FRAMING (SEQ. 9)
(REF : S107.00)

- NOTES : 1. BOTTOM OF STEEL ELEVATIONS NOTED THUS [+X'-X\"] ON PLAN
TAKEN FROM DATUM FIRST FLOOR SLAB EL. 0'-0" (ACTUAL=+58.00')
2. FOR GENERAL NOTES, SEE DWG. E1.

- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE
MOMENT CONNECTIONS THAT HAVE BOLTED TOP
PLATES TO THE BEAMS THAT DO NOT PROPERLY
SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16\"

APPROVAL/REVIEW AUTHORITY:
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IT REPRESENTS OUR INTERPRETATION OF THE INTENT
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RESPONSIBILITY OF THE BUYER.

IT WILL BE ASSUMED THAT ALL INFORMATION SHOWN
HEREIN HAS THE AFFIRMATION OF THE APPROVAL
AUTHORITY UNLESS NOTED TO THE CONTRARY ON THIS
DRAWING WHEN IT IS RETURNED FROM APPROVAL.

SUBSEQUENT CHANGES TO INFORMATION SHOWN ON
THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE
CONSIDERED AS CONTRACT CHANGES.

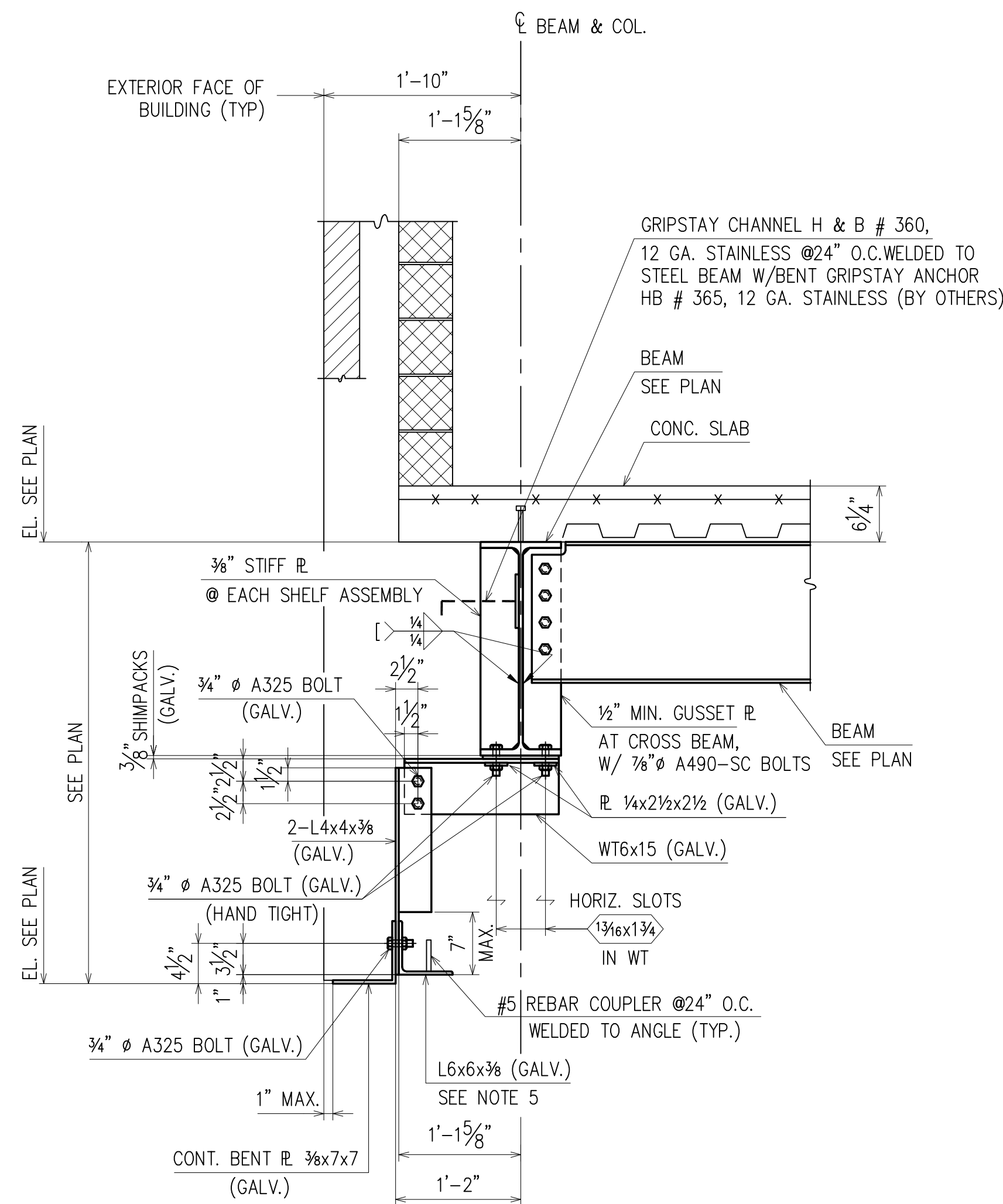
ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	1/3/10	PER APPV. COMM.				FOR FIELD	
MATERIAL:	10/18/10	PER CHECK				4th APPV.	
HOLES:	10/11/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		3rd APPV.	
ELECTRODES:	8/23/10	FOR APPROVAL	11/15/10	ADD MARKINGS		2nd APPV.	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPV.	
SC	BC	BCSC	REVISIONS			DATE	ISSUE

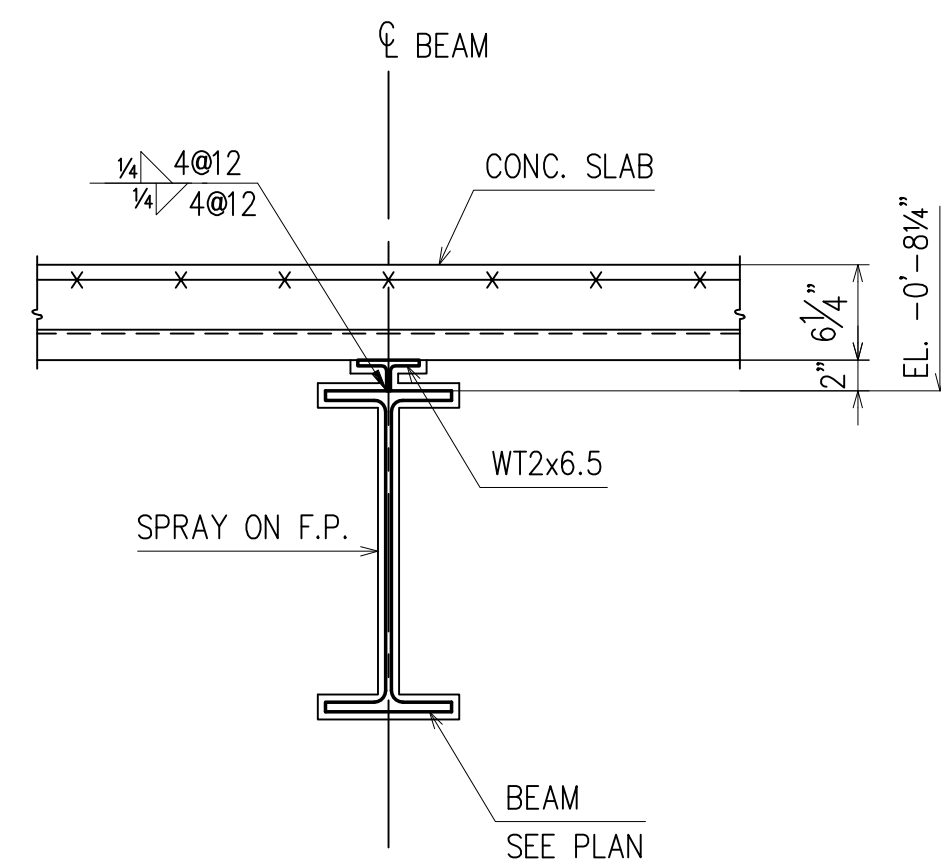
CUSTOMER:		WEIR WELDING CO., INC.			
		316 12th STREET CARLSTADT, NJ 07022 PHONE: (201) 939-2284 FAX: (201) 939-5525			
DRAFTER D5	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO
DATE 9/01/10	LOCATION:	BROOKLYN, NY			S-976
CHECKED ARS	DWG TITLE:	HUNG RELIEVING ANGLE & PERIMETER LINTEL PLAN			DWG NO
DATE 10/18/10		FOR BULKHEAD ROOF FRAMING			E15



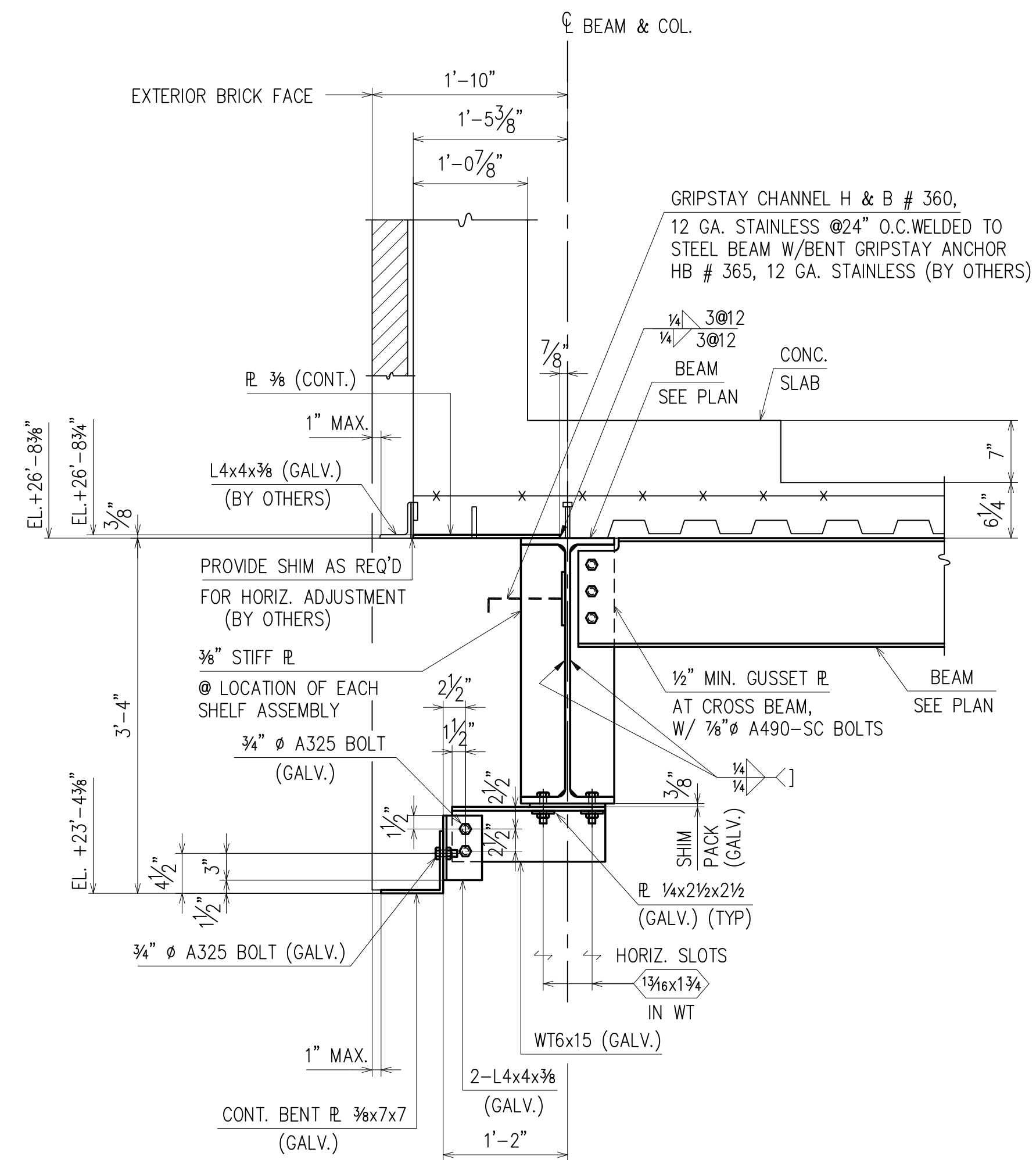
NOTES :

1. SET ONE SHELF ASSEMBLY UNIT AT LOCATION OF EACH CROSS BEAM FRAMING INTO SPANDREL BEAM PROVIDE A MIN. OF TWO ASSEMBLY UNITS BETWEEN ADJACENT CROSS BEAMS OR COLUMN/BEAM. THE SPACING OF TWO ADJACENT UNITS SHALL NOT EXCEED 2'-8" UNLESS OTHERWISE SHOWN OR NOTED
2. FOR CLARITY BEAM FIREPROOFING IS NOT INDICATED
3. ALL SHELF ANGLES ARE GALVANIZED.
4. FOR REINFORCEMENT OF THE EXTERIOR CONCRETE BLOCK WALL SEE ARCH. DRAWING
5. THIS SHELF ANGLE (SUPPORTING CMU WALL) SHALL BE EXTENDED 1/2" BEYOND THE MASONRY OPENING UNLESS OTHERWISE SHOWN OR NOTED. THIS IS TO BE VERIFIED WITH WINDOW JAMB DETAIL PRIOR TO FABRICATION
6. THE SHELF ANGLE ASSEMBLY SHALL BE LOCATED TO CLEAR ALL VERT. BRACES
7. FOR ADDITIONAL LATERAL ANCHOR OF CMS WALL, SEE DETAILS ON DWG. E25
8. TACK WELD ALL THE SHIMS AFTER ADJUSTMENT.

SECTION 1
(RE: 1/S201)
(E2, E3, E4 & E5)



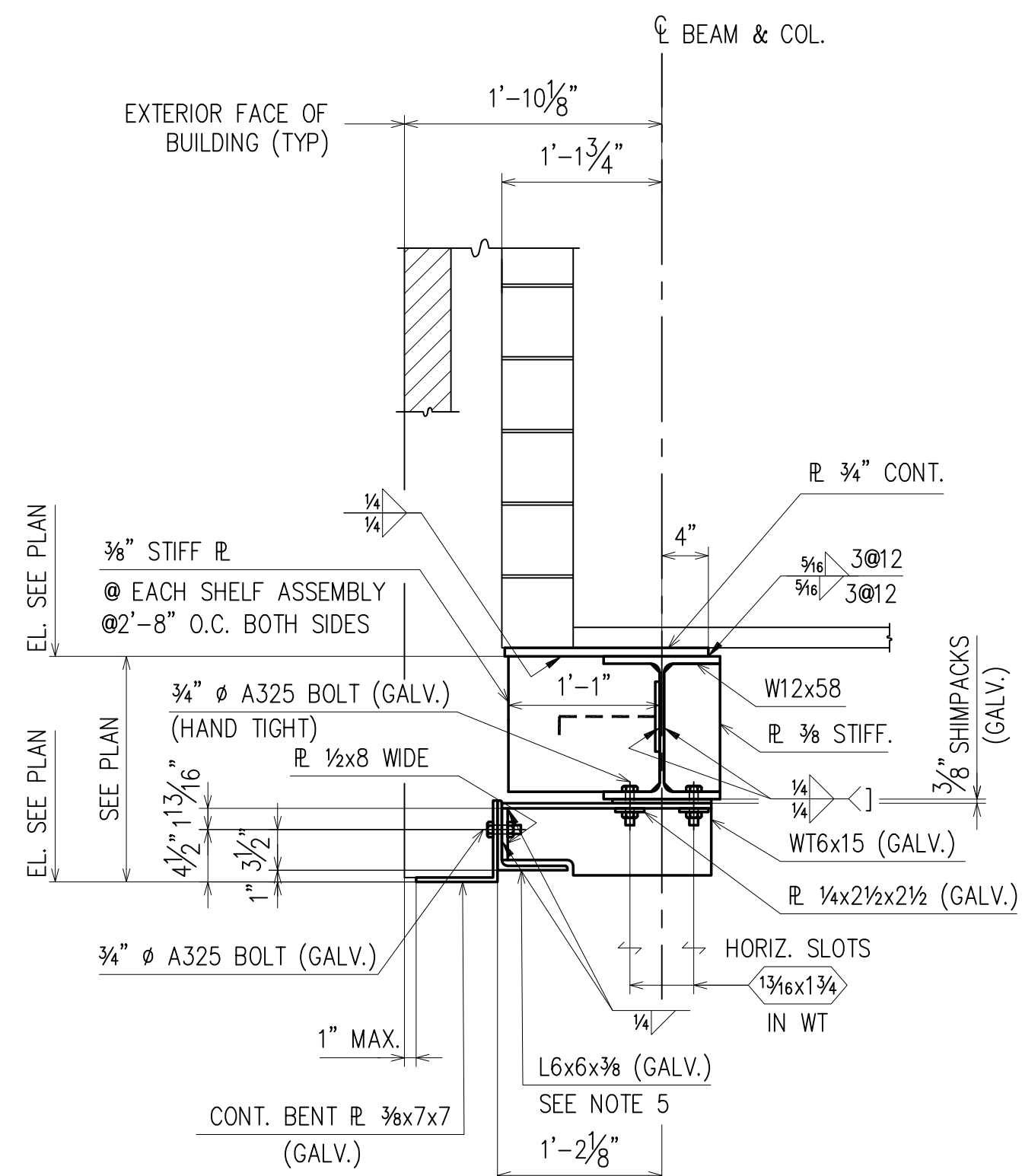
SECTION 4
(RE: 4/S201)
(E1)



NOTES :

1. FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECTION 1/E16.
2. PROVIDE SHORING FOR THICKEN SLAB. FOR THE SHORING EXTENT SEE PLAN.

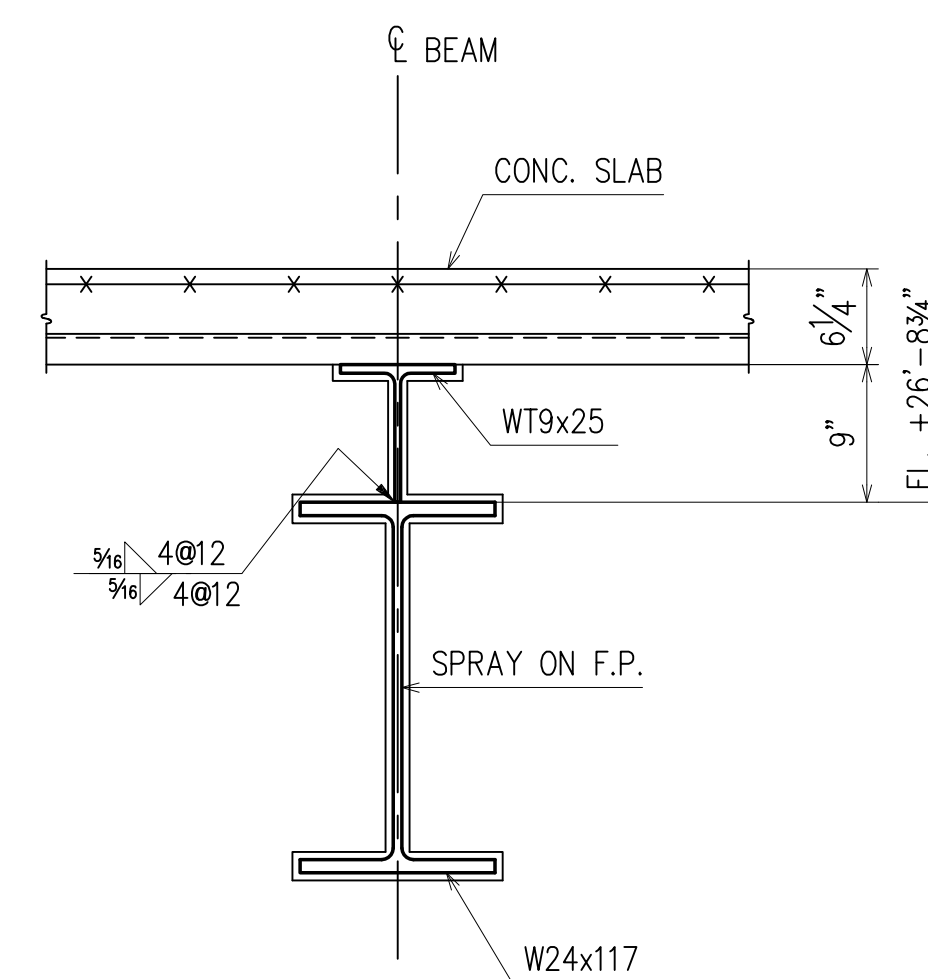
SECTION 3
(RE: 3/S201)
(E3)



NOTE :

FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECTION 1/E16.

SECTION 5
(RE: 5/S201)
(E3, E4 & E5)



SECTION 6
(RE: 7/S201)
(E3)

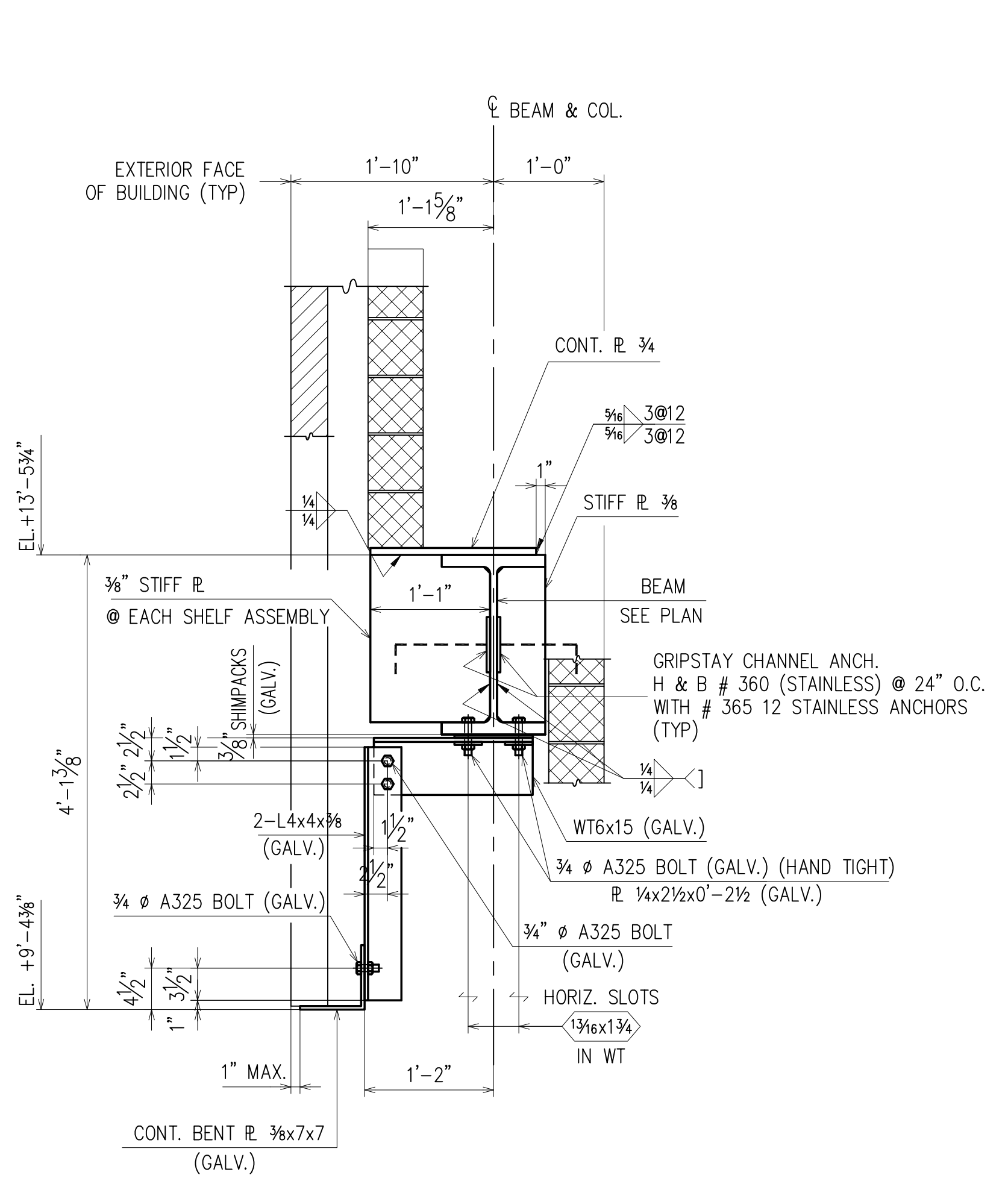
FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.

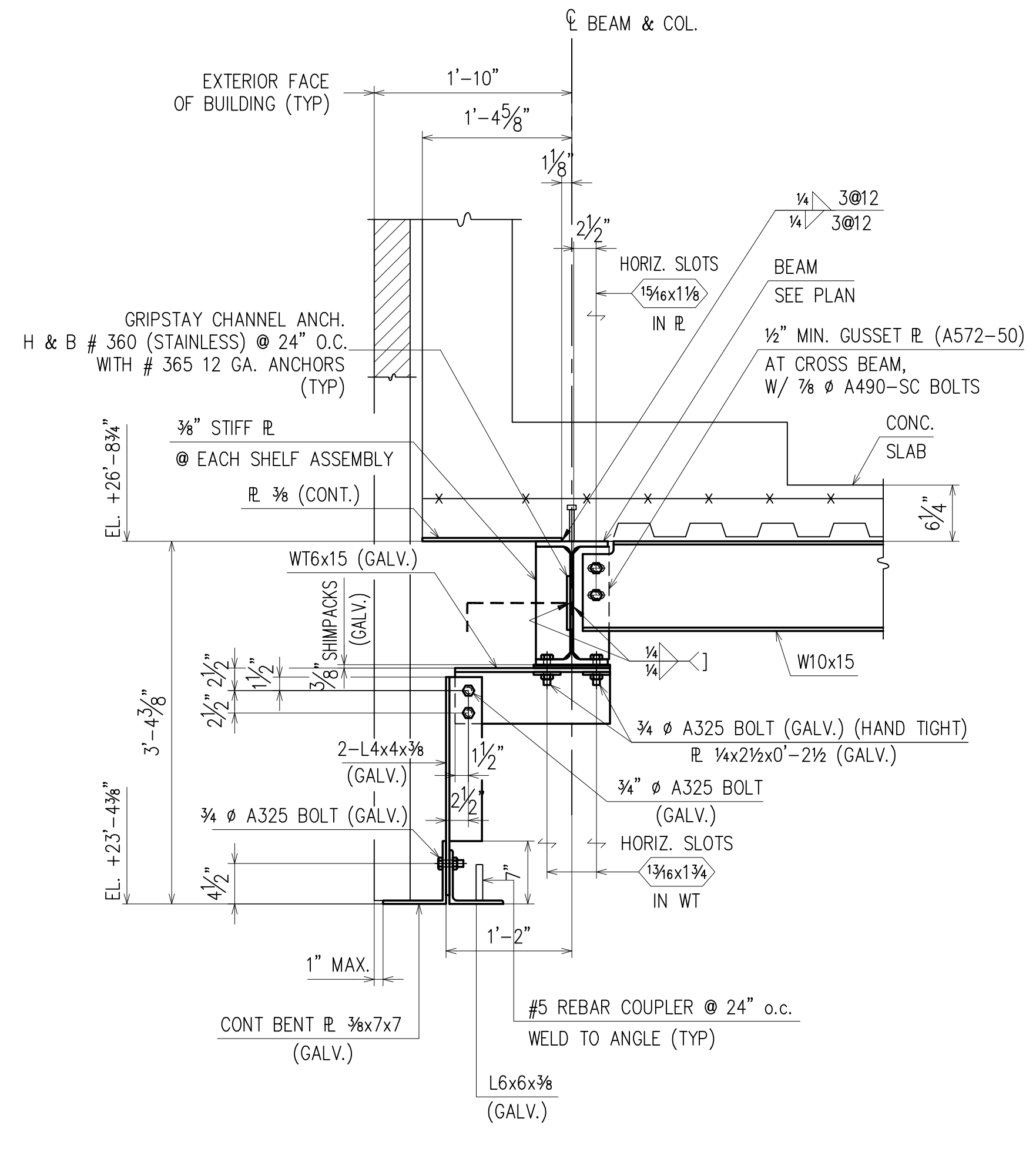
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

PAIN:	10/18/10 PER CHECK			FOR FIELD
MATERIAL:	10/20/10 PER APPROVAL	2/1/11 PER REC INFO/ FOR FIELD USE		4th APPVL
HOLES:	10/11/10 FOR APPROVAL	1/21/11 PER CHECK/ FOR FIELD USE		3rd APPVL
ELECTRODES:	8/23/10 FOR APPROVAL	11/3/10 PER APPVL COMM.		2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION
SC	BC	BCSC	REVISIONS	DATE
CUSTOMER: WEIR WELDING CO., INC.				
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525				
DRAFTER DS	PROJECT: PRIMARY SCHOOL 310	CONTRACT NO		
DATE 8/02/10	LOCATION: BROOKLYN, NY	S-976		
CHECKED ARS	DWG TITLE: SECTIONS	DWG NO		
DATE 10/18/10		E16		



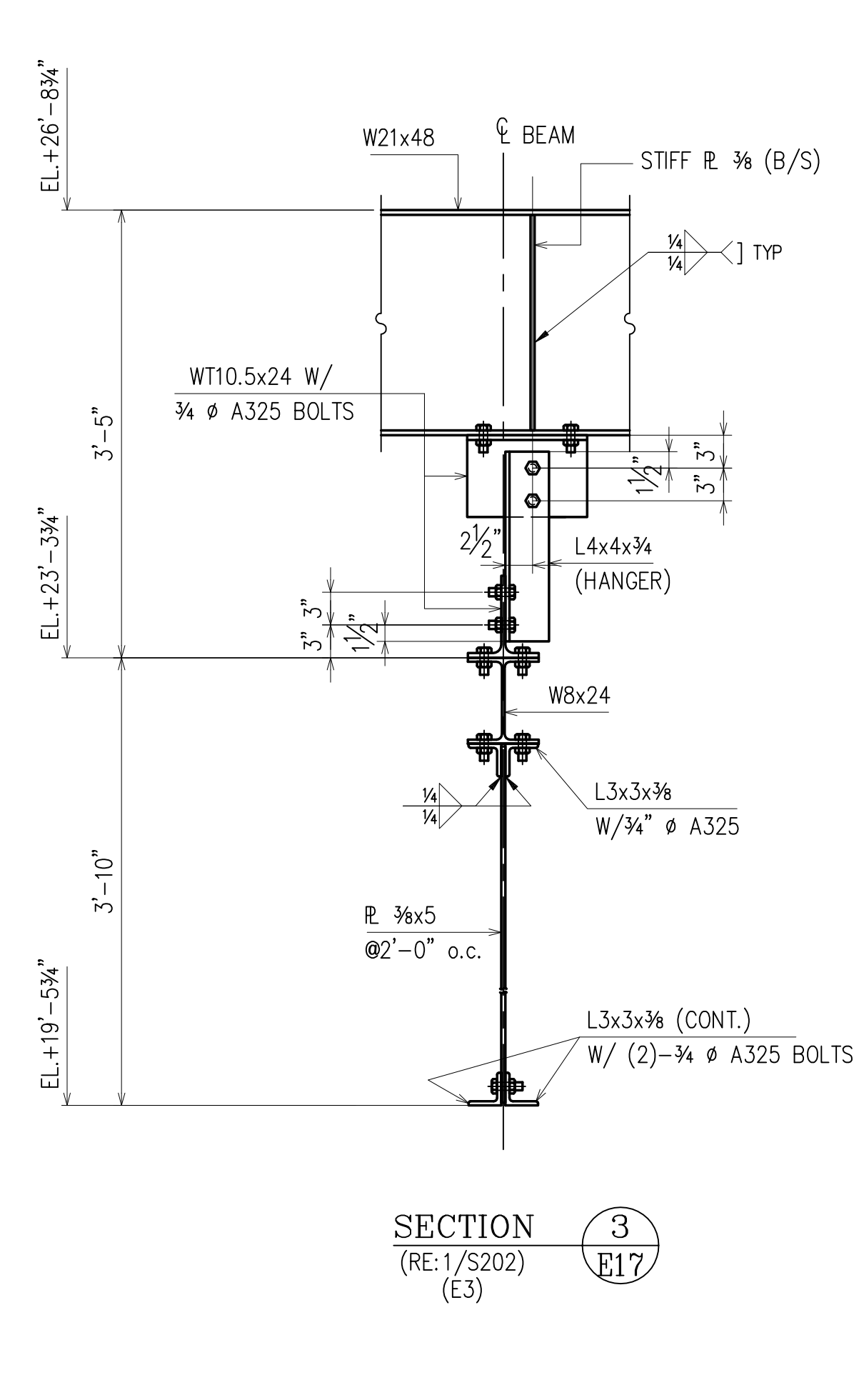
NOTES:
FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECTION 1/E16.

SECTION 1 (E17)
(RE: 6/S201) (E2)



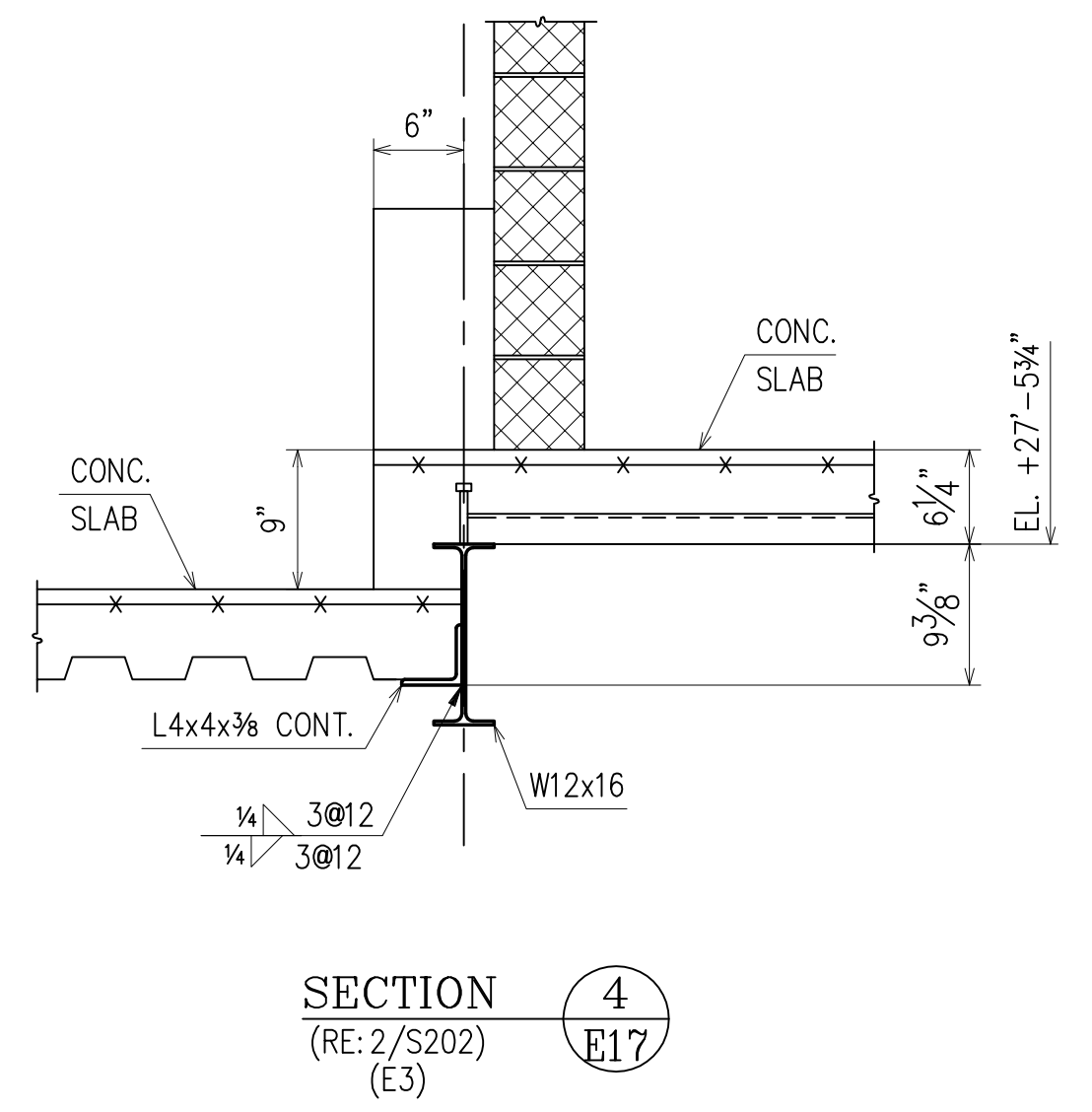
NOTES:
1. FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECTION 1/E16.
2. PROVIDE SHORING FOR THICKENED SLAB. FOR THE SHORING EXTENT SEE PLAN.

SECTION 2 (E17)
(RE: 8/S201) (E3 & E11)

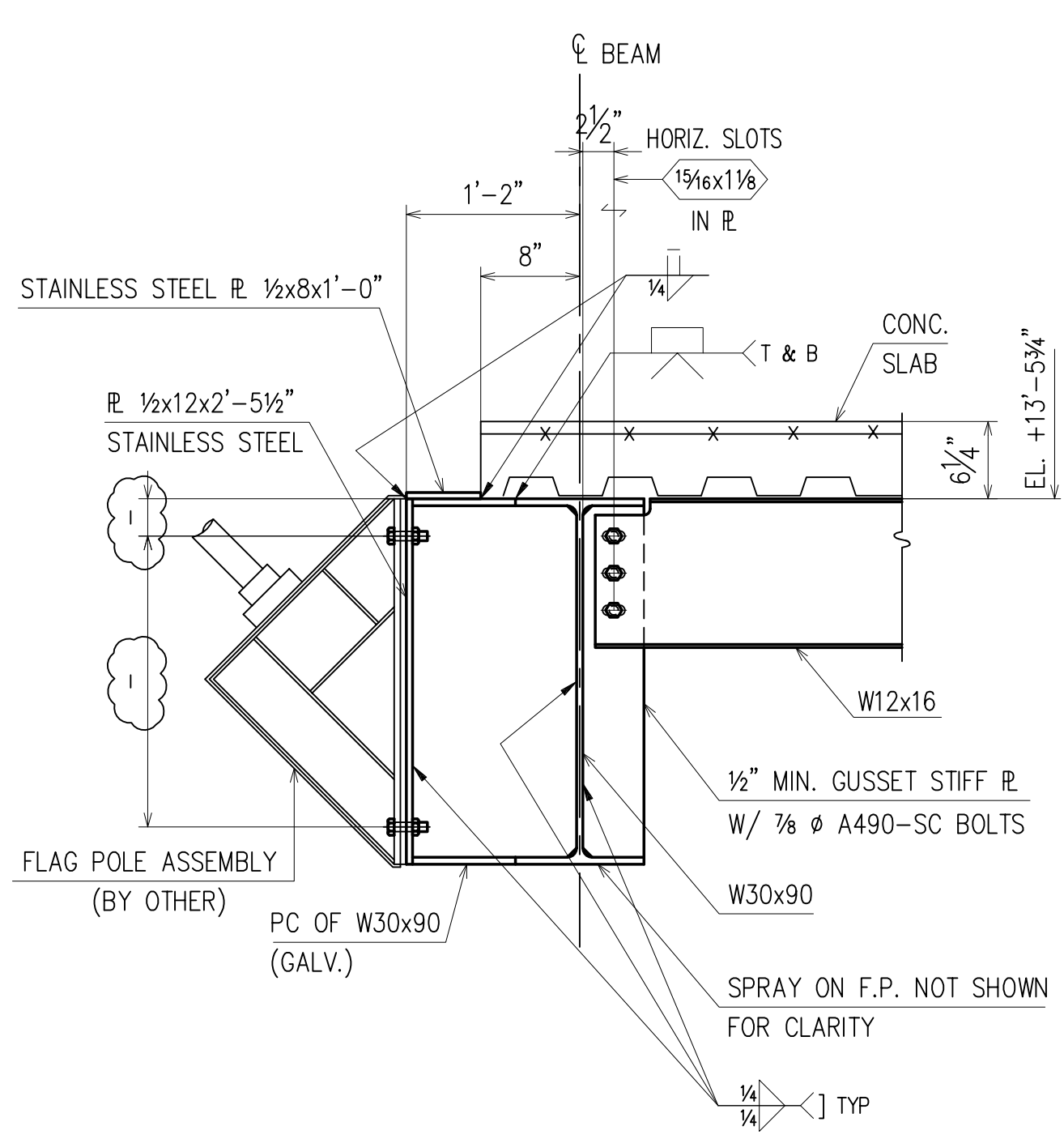


NOTE:
1. PROVIDE L3x3x3/8 CONT. FOR SECURING BEAM CLAMPS OR LOFT BLOCKS TO SUPPORT AUDITORIUM STAGE RIGGING AND/OR CURTAINS AND TRACK. ALL ANGLES TO BE FIREPROOFED.

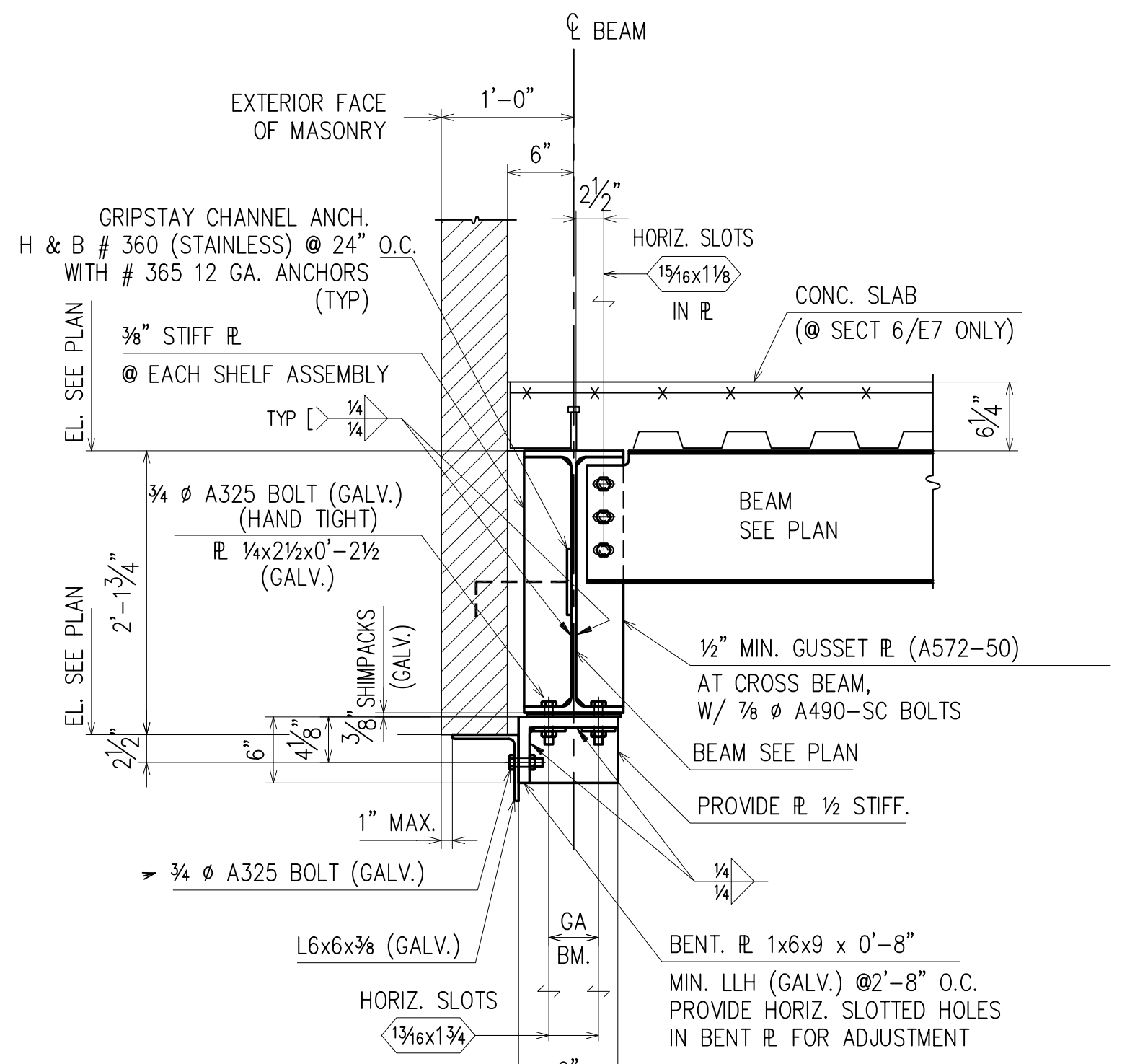
SECTION 3 (E17)
(RE: 1/S202) (E3)



SECTION 4 (E17)
(RE: 2/S202) (E3)

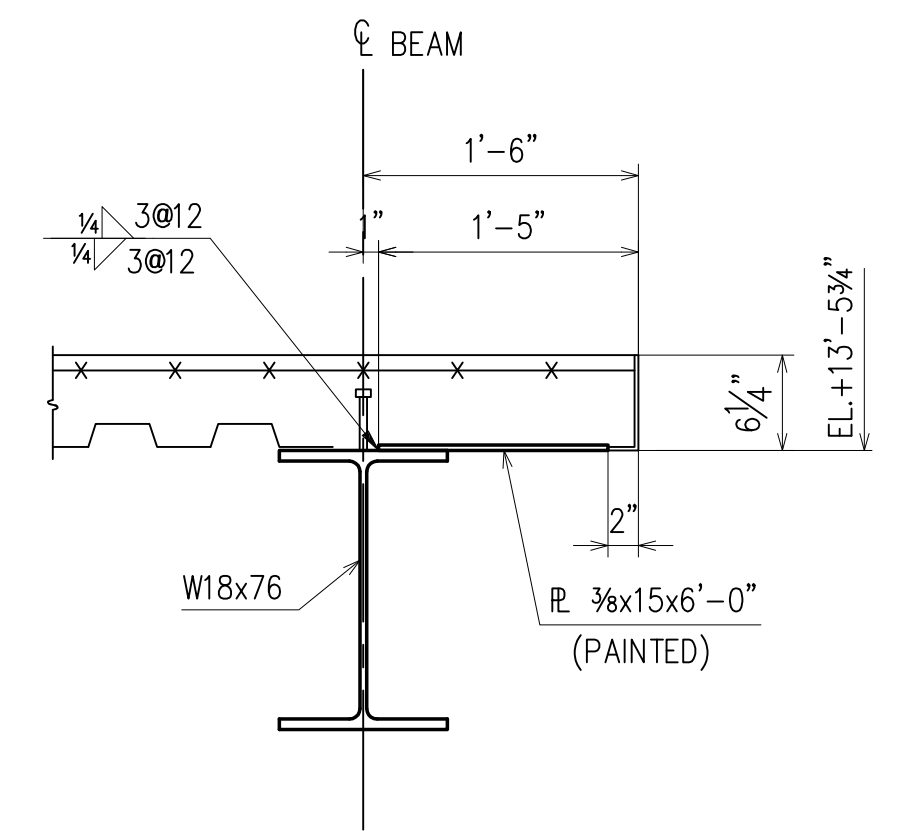


SECTION 5 (E17)
(RE: 3/S202) (E2)



NOTES:
1. FOR BALANCE OF SHELF ANGLE ASSEMBLY AND NOTES, SEE SECT. 1/E16.
2. NO SLAB ON SECT. 6A/E17.

SECTION 6 (E17) & 6A (E17)
(RE: 4, 4A/S202) (E1, E2, E3, E4, E5 & E6)



SECTION 7 (E17)
(RE: 5/S202) (E2)

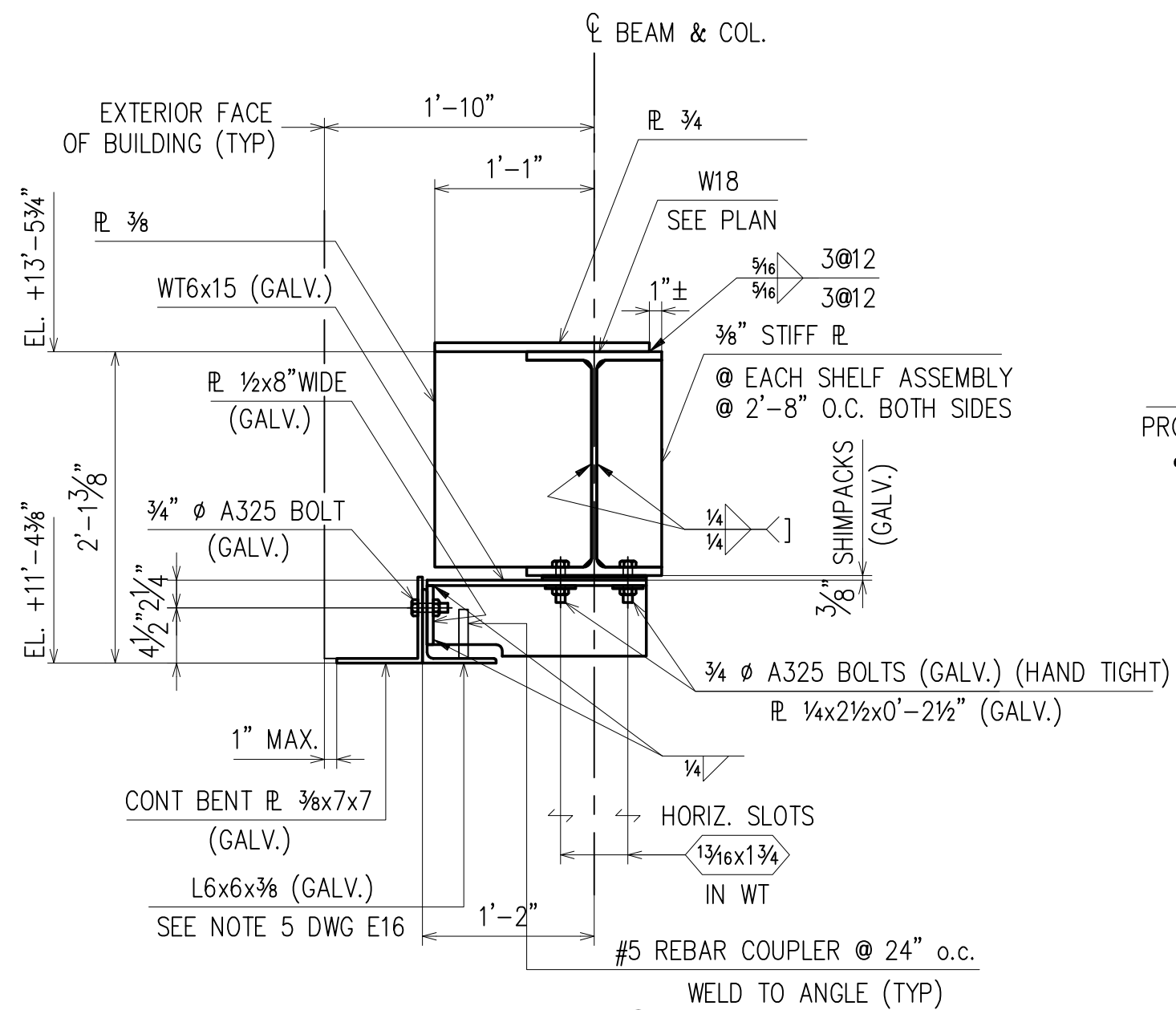
NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 5/16\"/>

APPROVAL/REVIEW AUTHORITY:
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

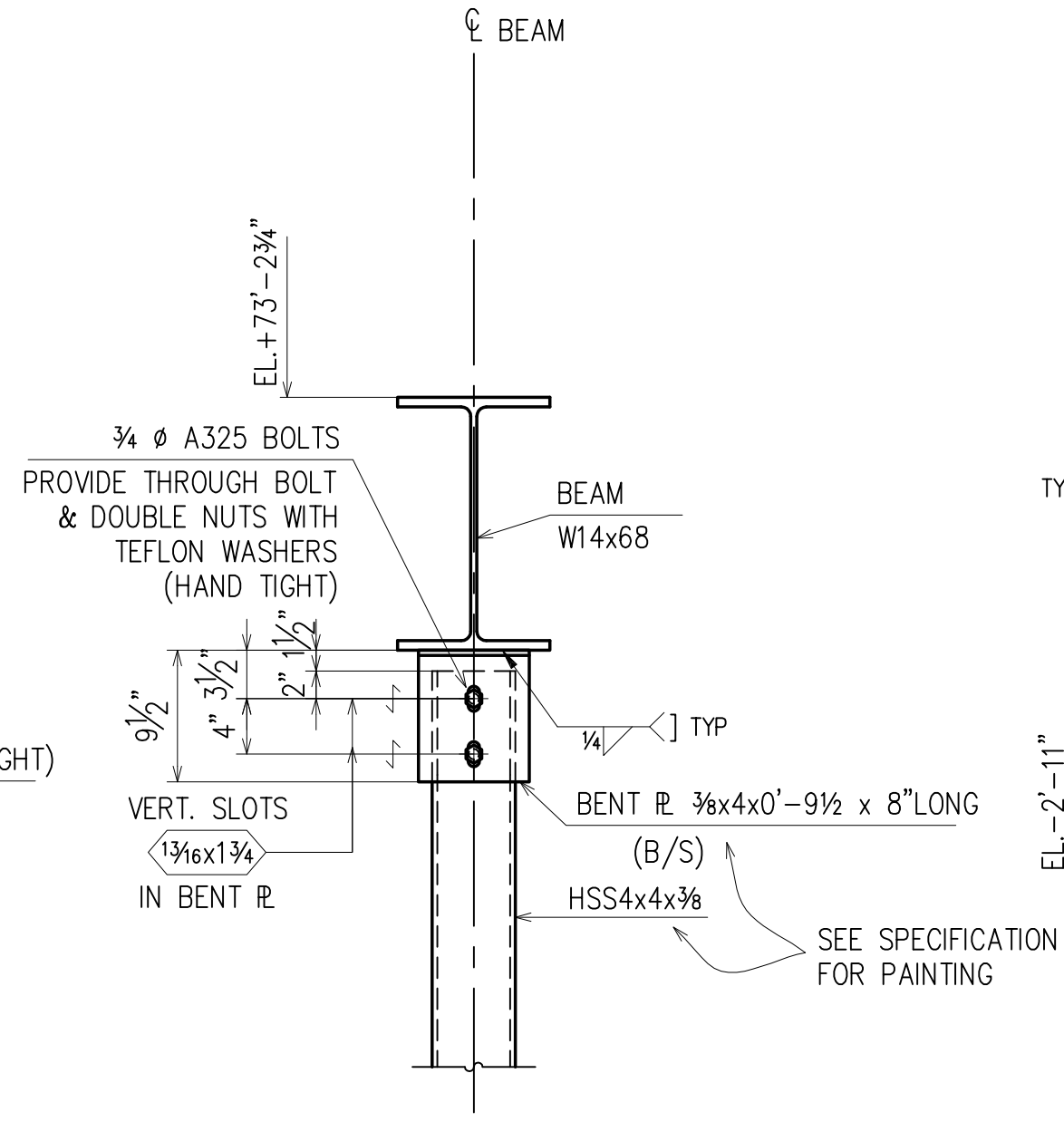
FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

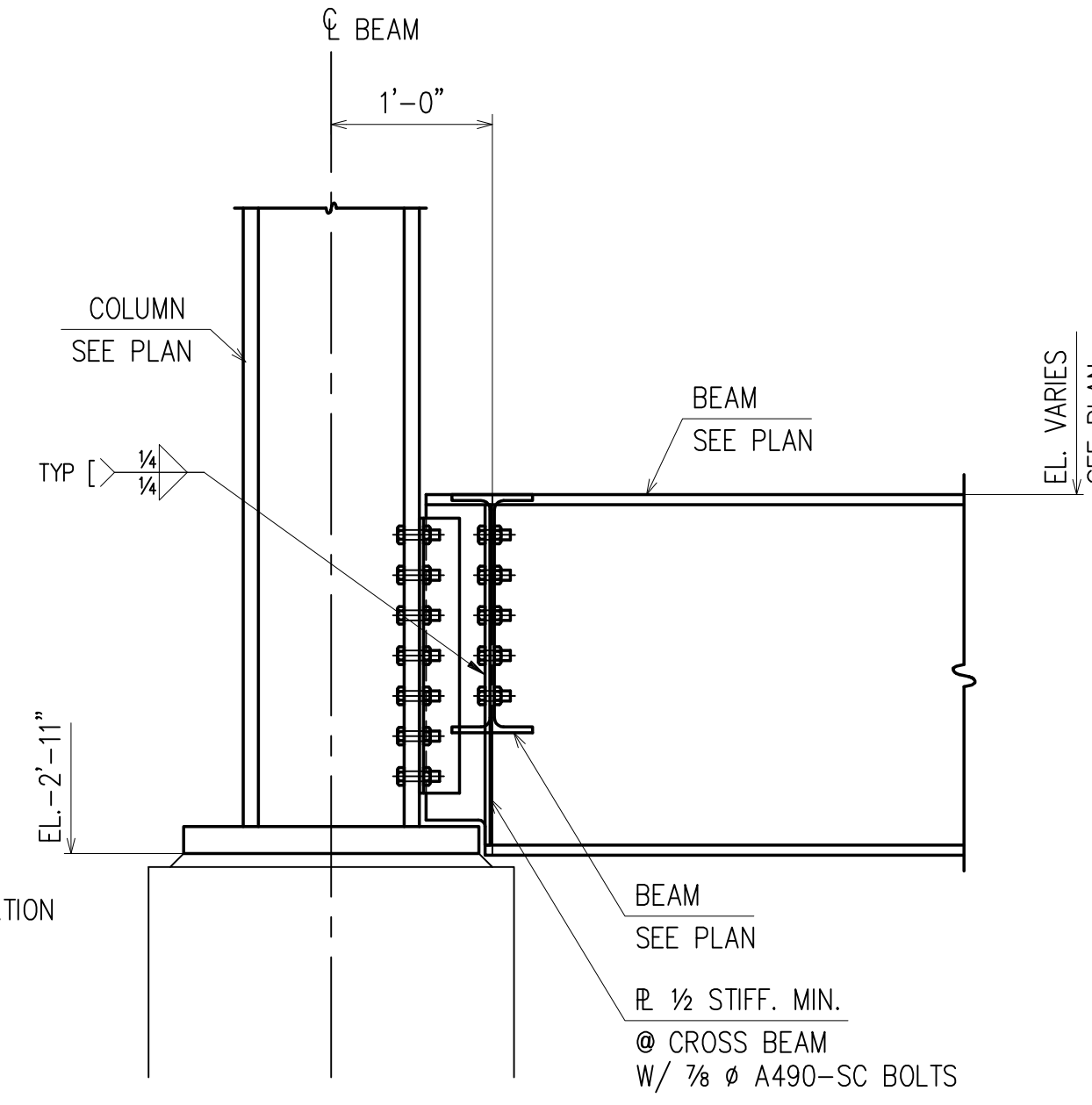
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MATERIAL:	10/20/10 PER APPROVAL	2/7/11 PER REC INFO/ FOR FIELD USE		4th APPVL
HOLES:	10/11/10 PER APPROVAL	1/21/11 PER CHECK/ FOR FIELD USE		3rd APPVL
ELECTRODES:	8/23/10 FOR APPROVAL	11/3/10 PER APPVL COMM.		2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION
SC	BC	BCSC	REVISIONS	DATE
CUSTOMER: WEIR WELDING CO., INC.				
316 12th STREET CARLSTADT, NJ 07072				
PHONE: (201) 939-2284 FAX: (201) 939-5525				
DRAFTER D5	PROJECT: PRIMARY SCHOOL 310	CONTRACT NO		
DATE 8/02/10	LOCATION: BROOKLYN, NY	S-976		
CHECKED ARS	DWG TITLE: SECTIONS	DWG NO		
DATE 10/18/10		E17		



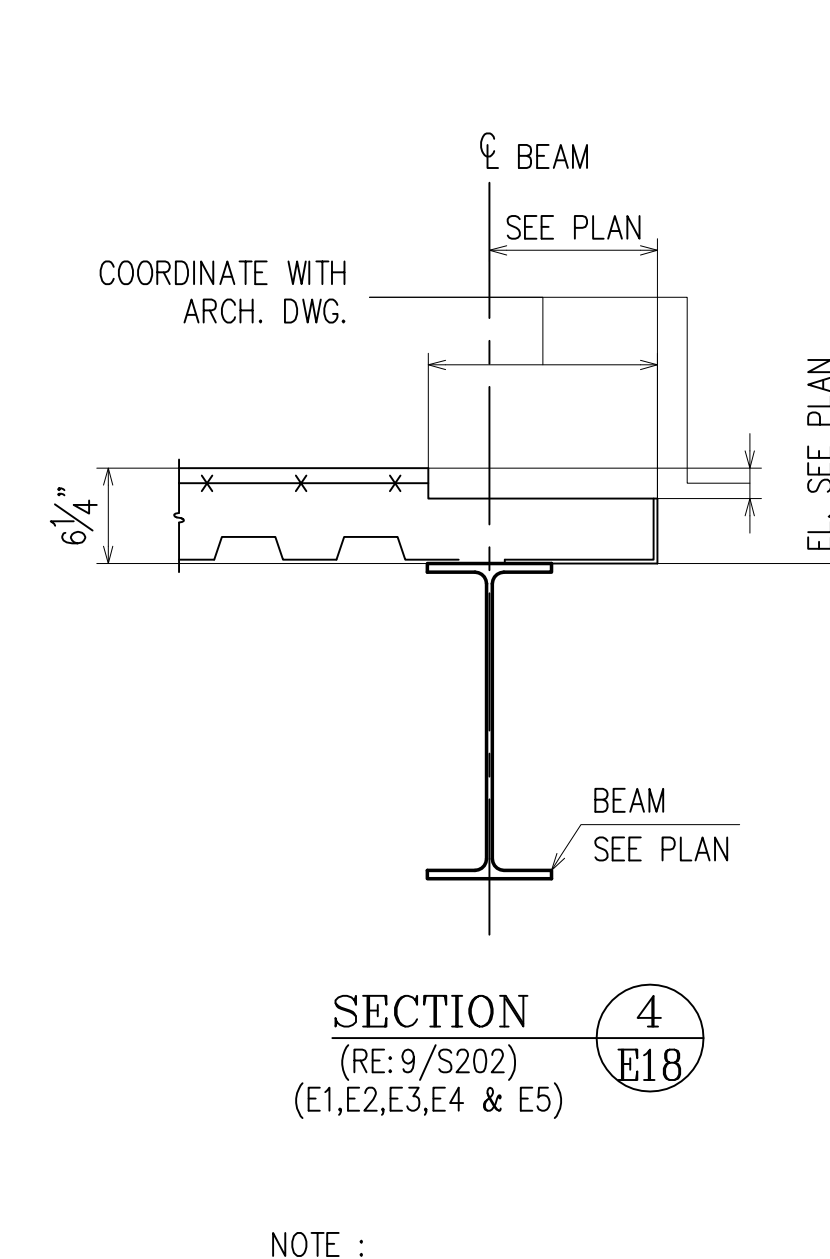
SECTION 1
(RE: 6/S202)
(E2)



SECTION 2
(RE: 7/S202)
(E6)

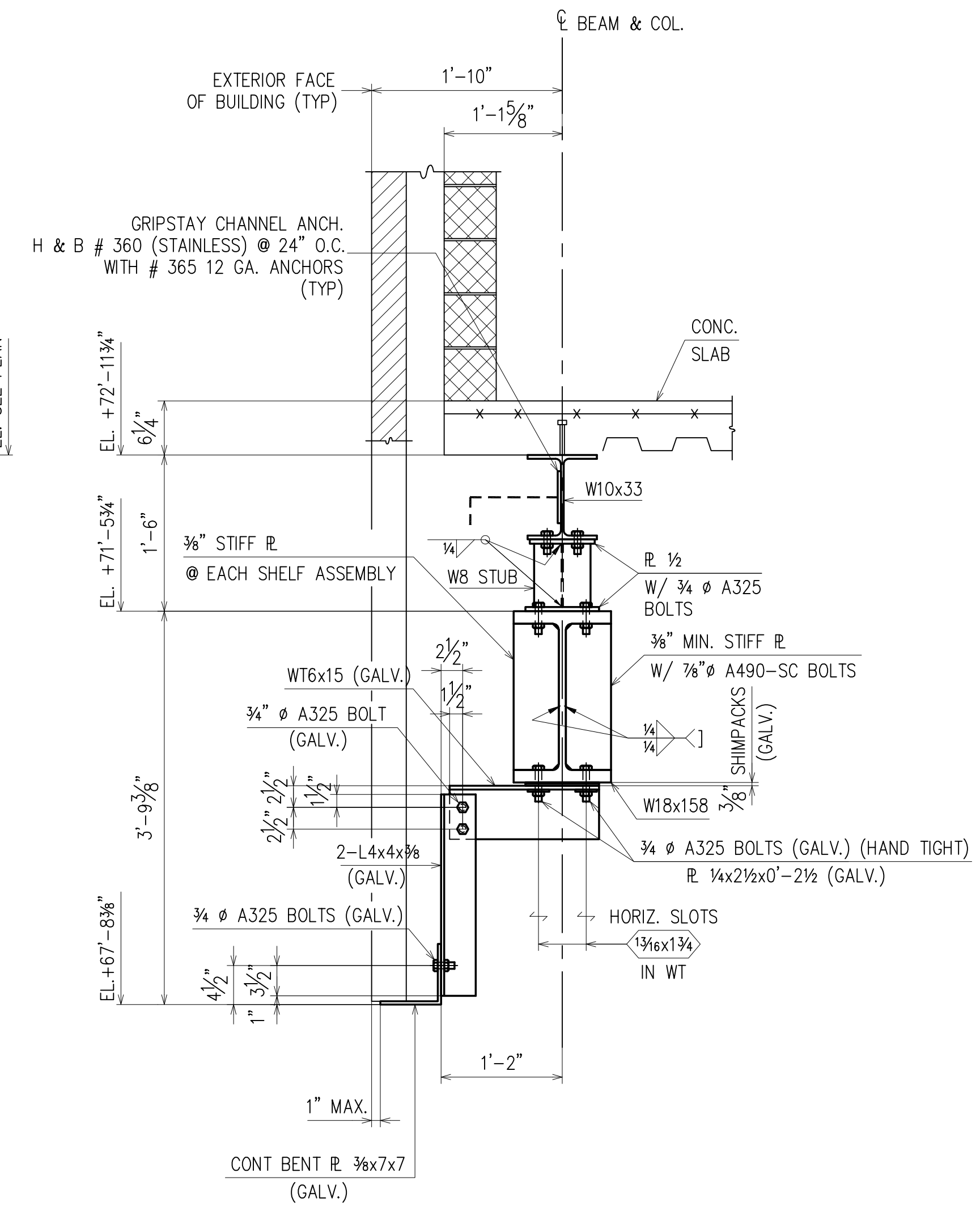


SECTION 3
(RE: 8/S202)
(E1)



SECTION 4
(RE: 9/S202)
(E1, E2, E3, E4 & E5)

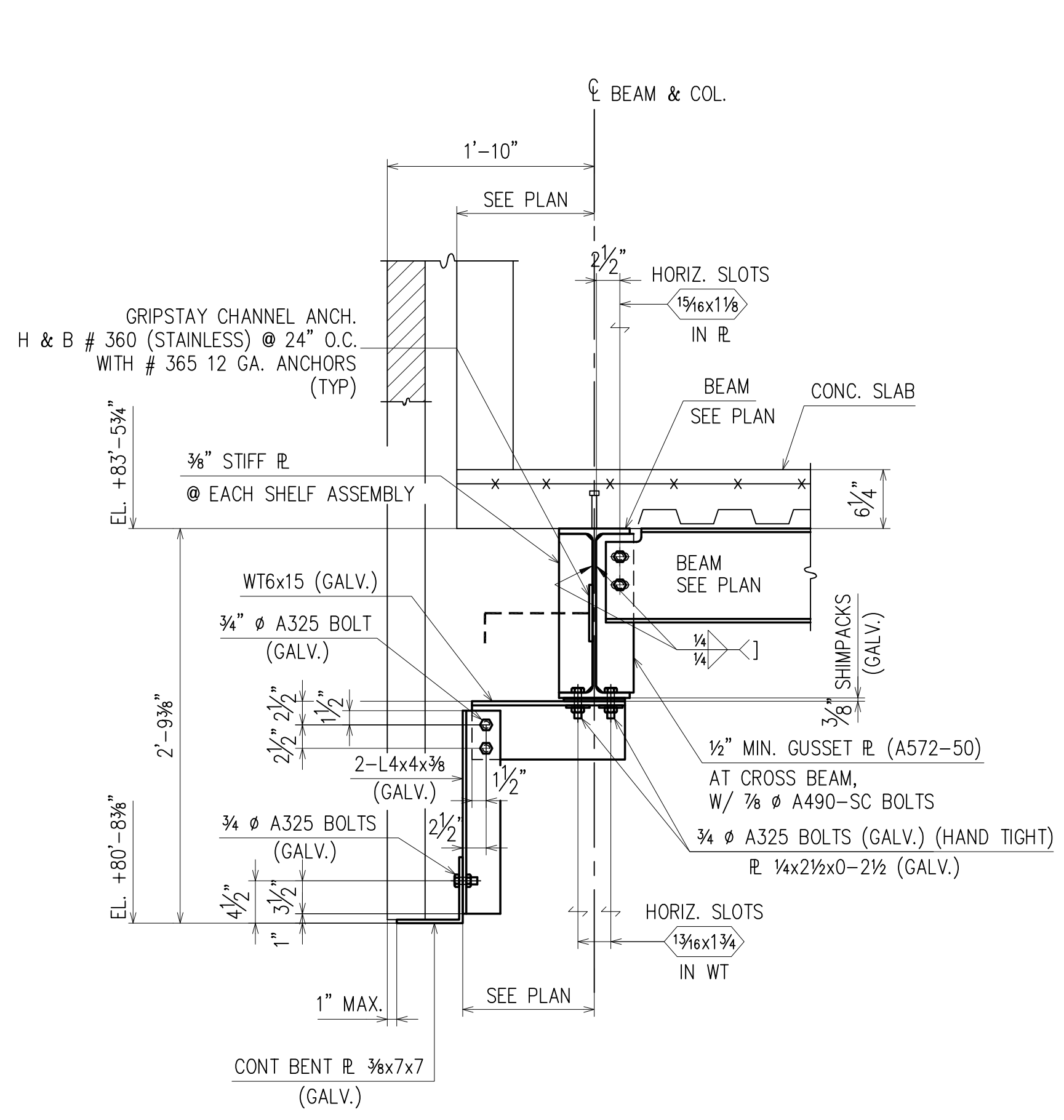
NOTE:
NO SHEAR STUD FOR THIS BEAM.



SECTION 5
(RE: 10/S202)
(E6)

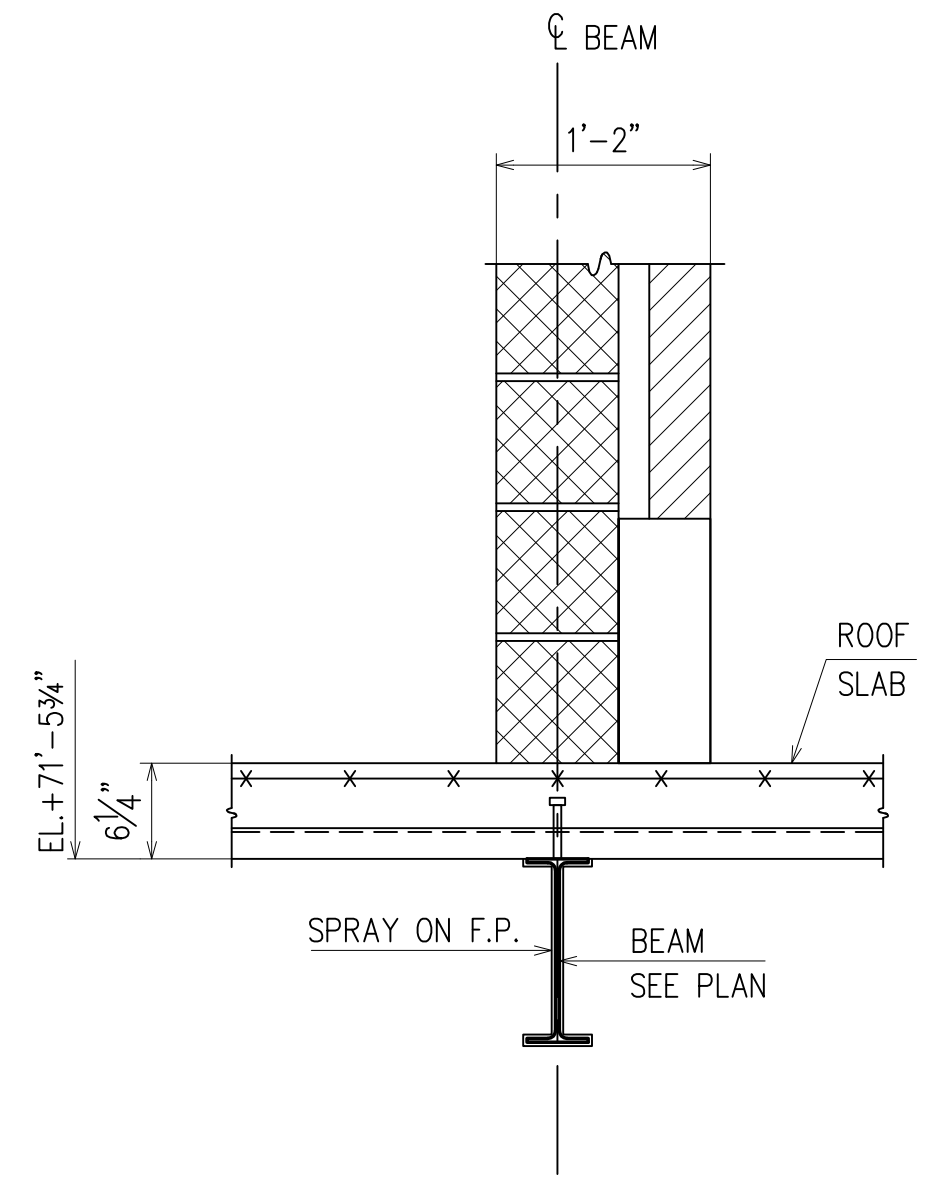
NOTE:
1. FOR BALANCE OF SHELF ANGLE ASSEMBLY AND NOTES, SEE SECT 1/E16

NOTE:
FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECT. 1/E16

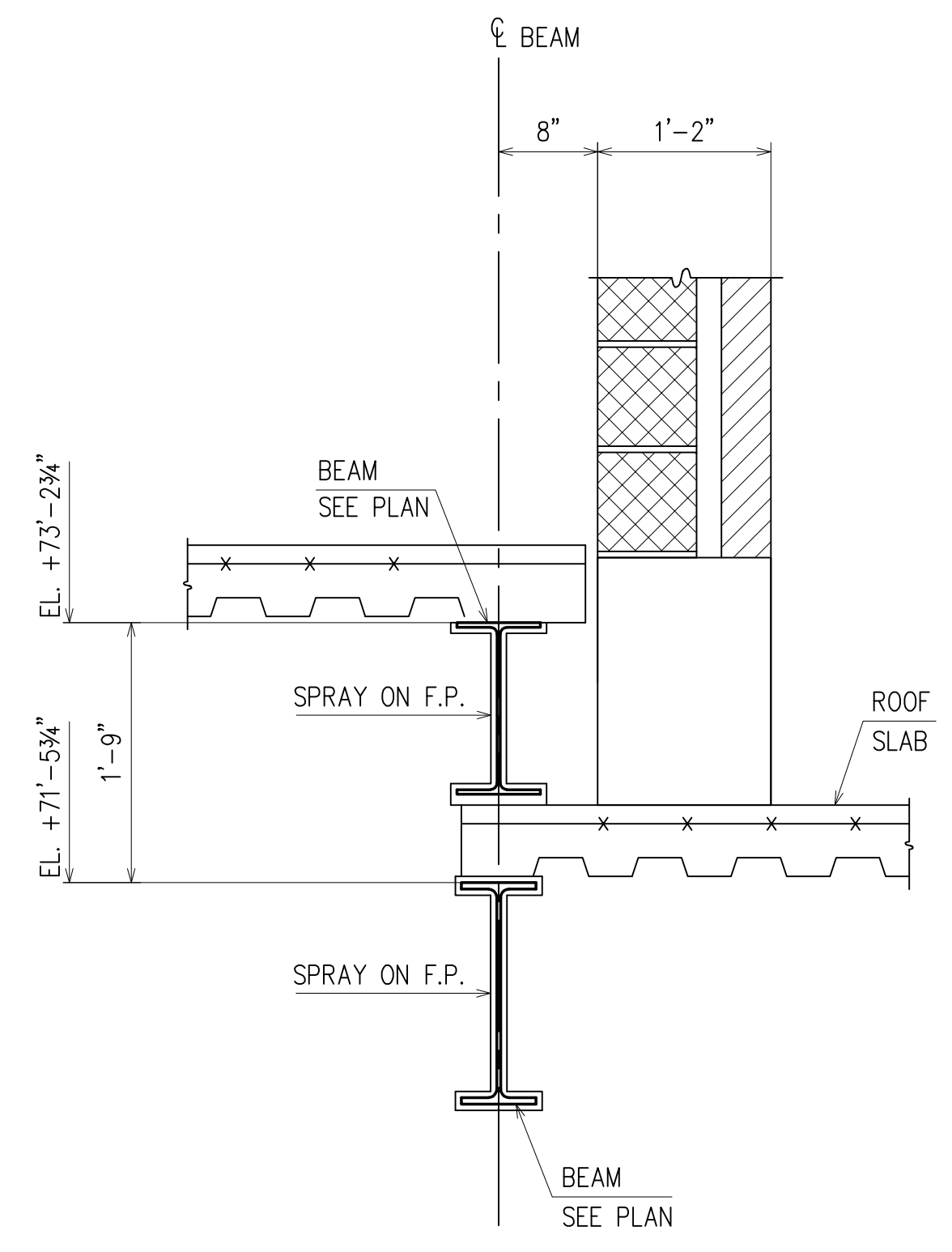


SECTION 6
(RE: R-1/S205)
(E7)

NOTE:
1. FOR ADDITIONAL INFORMATION OF SHELF ANGLE ASSEMBLY AND NOTES, SEE SECT. 1/E16



SECTION 7
(RE: R-2/S205)
(E6)



SECTION 8
(RE: R-4/S205)
(E6)

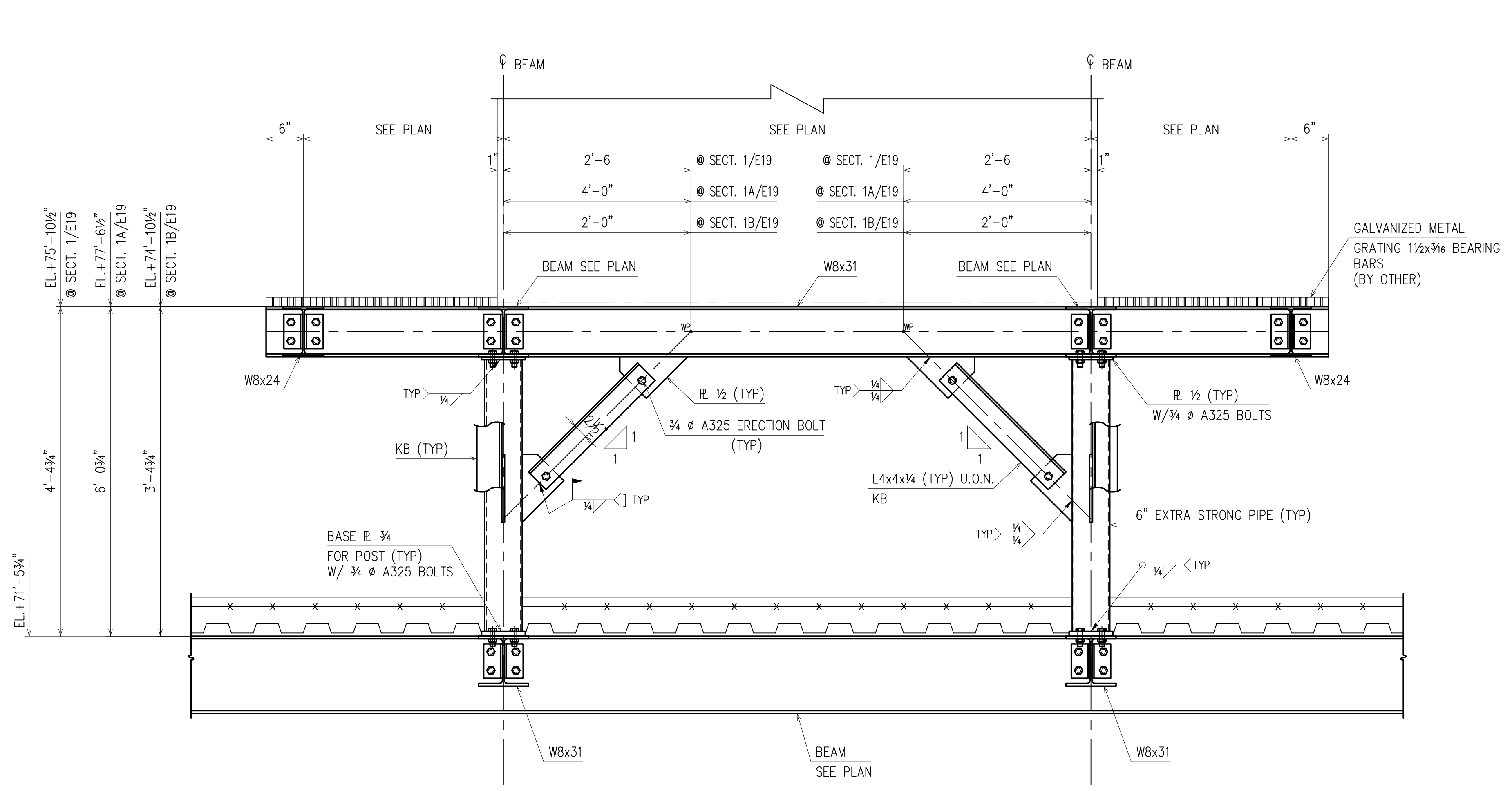
FOR FIELD USE

DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey 08360	
Phone: (856) 794-9474	
Fax: (856) 696-2027	

NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.

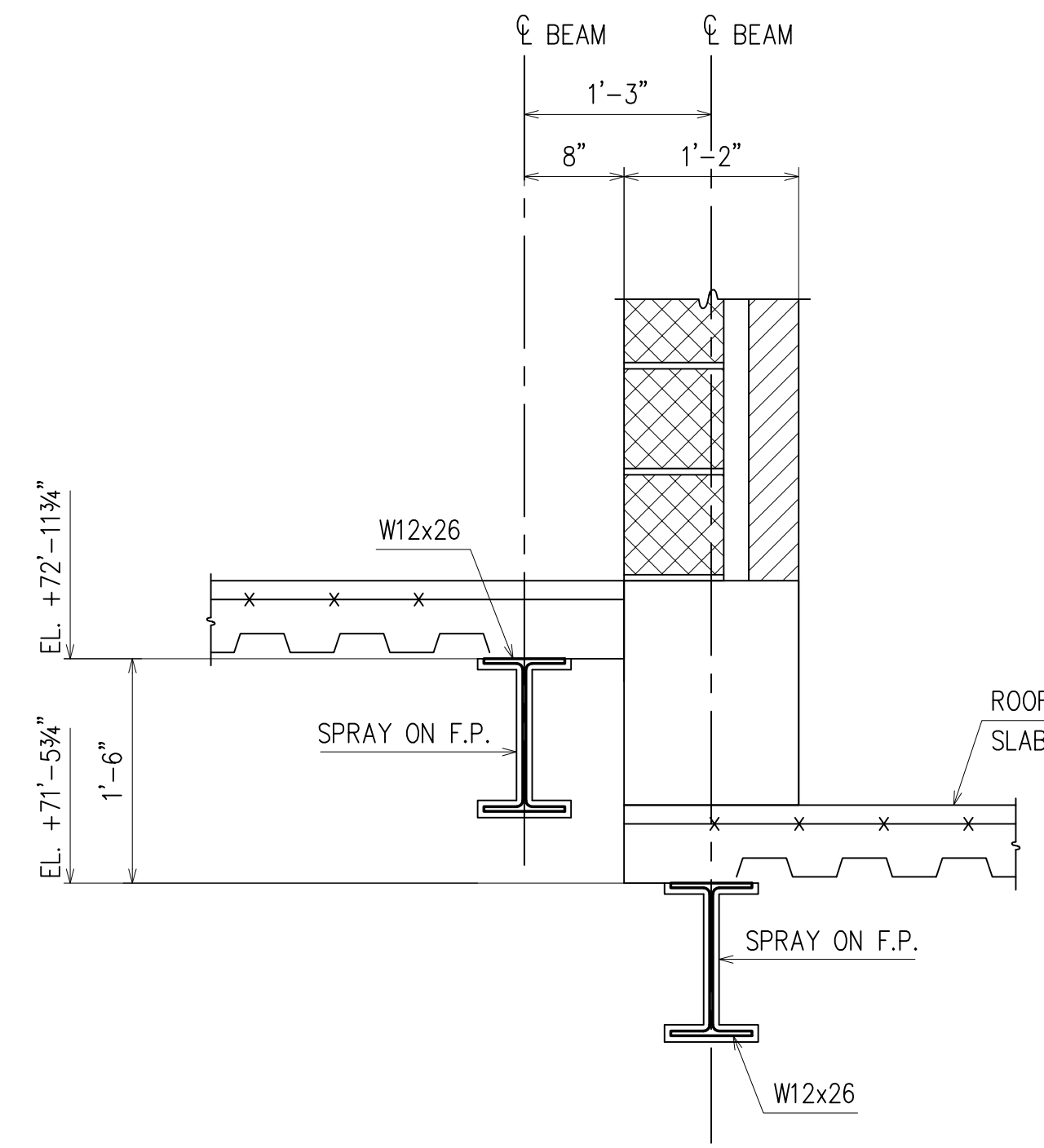
APPROVAL/REVIEW AUTHORITY:
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

PAIN:	1/21/11	PER CHECK/ FOR FIELD USE				FOR FIELD	
MATERIAL:	10/18/10	PER CHECK				4th APPVL	
HOLES:	10/11/10	FOR APPROVAL				3rd APPVL	
ELECTRODES:	8/23/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.							
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525							
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO		
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976		
CHECKED ARS	DWG TITLE:	SECTIONS			DWG NO		
DATE 10/18/10					E18		

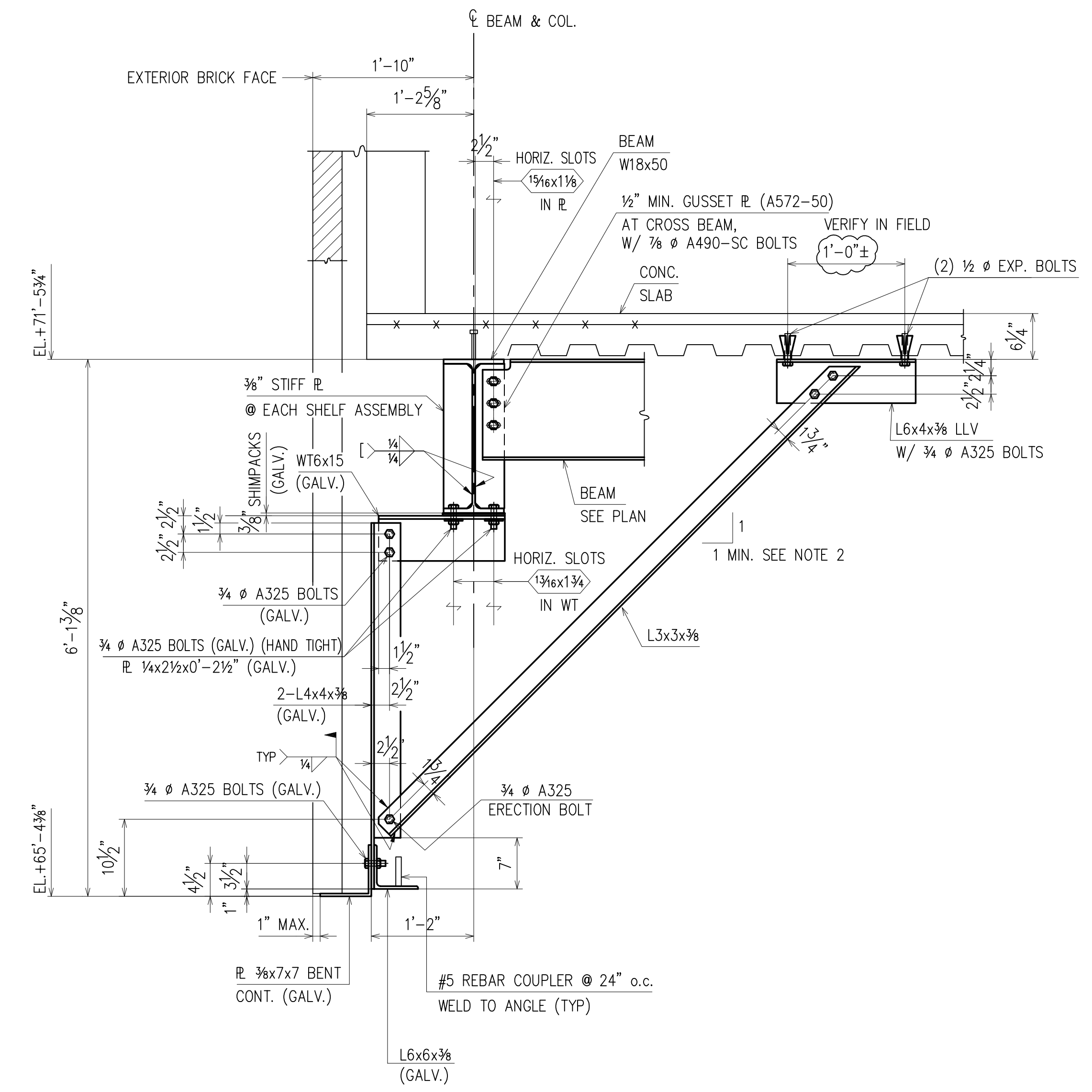


SECTION 1 (E19)
 (RE-R-3/S205)
 (RE-R-3A/S205)
 (RE-R-3B/S205)
 (E6 & E7)

- NOTES:
1. ALL STEEL MUST BE GALVANIZED.
 2. FOR RAILING DETAIL, SEE ARCH. DWG.
 3. FOR GRATING SIZE & DETAIL, SEE ARCH. DWG.
 4. THE MONOLITHIC MEMBRANE 6125 ON THE PIPE MUST EXTEND 12" MIN. ABOVE TOP OF CONC. FILL (TYP.)



SECTION 3 (E19)
 (RE-R-7/S205)
 (E6)



SECTION 2 (E19)
 (RE-R-5/S205)
 (E6)

- NOTE:
1. AT LOCATION OF CROSS BEAMS, CONNECT BRACING ANGLE TO BOTTOM FLANGE OF BEAM
 2. BRACING ANGLE SHALL CLEAR THE BEAM, THE OPENING IN THE SLAB AND THE SELF ASSEMBLY.
 3. TIGHTEN BOLTS AFTER ELEVATION ADJUSTMENTS ARE MADE AND WELD AS SHOWN. SCRAPE GALVANIZED PRIOR TO WELDING AND GALVANIZED REPAIR PAINT AFTER WELDING IS COMPLETED.
 4. FOR ADDITIONAL INFORMATION OF SHELF ANGLE ASSEMBLY AND NOTES, SEE SECTION 1/E16.

APPROVAL/REVIEW AUTHORITY:
 PLEASE REVIEW THIS DRAWING CAREFULLY. IT REPRESENTS OUR INTERPRETATION OF THE INTENT OF THE CONTRACT DOCUMENTS. HOWEVER, THE STEEL FABRICATOR AND THE STRUCTURAL STEEL DETAILER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING. THIS IS THE RESPONSIBILITY OF THE BUYER.

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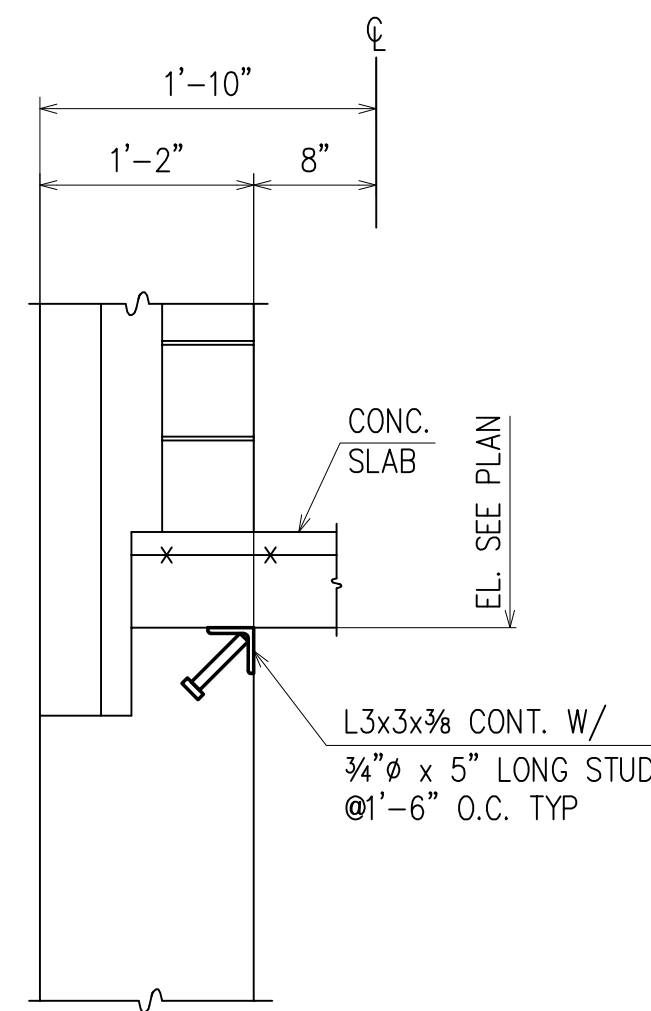
- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
 2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/4" THICK.

DRAWINGS PREPARED BY:

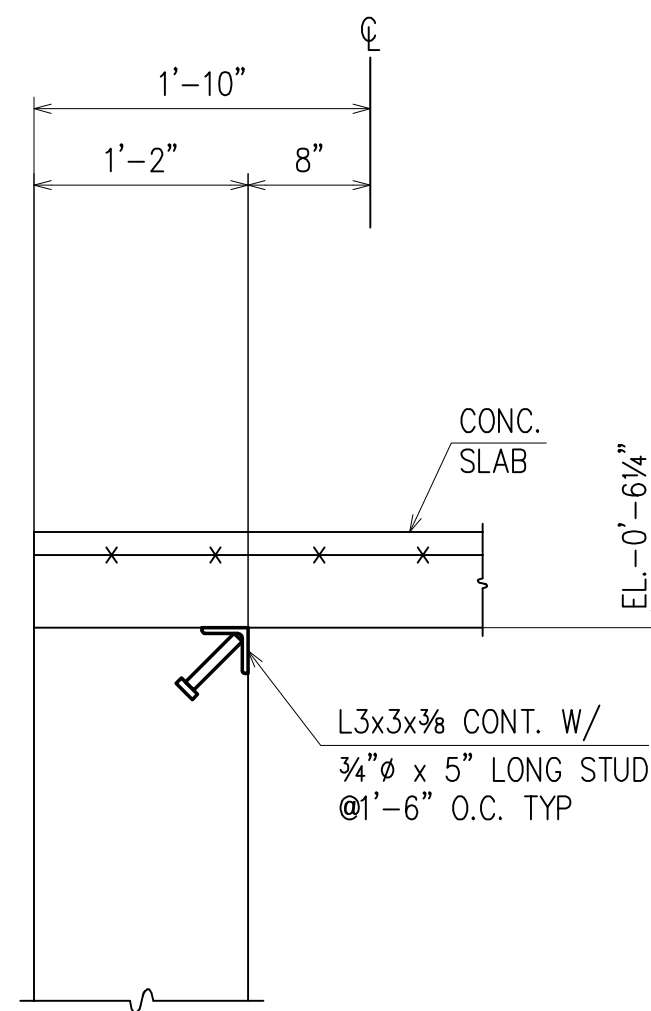
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone:	(856) 794-9474
Fax:	(856) 696-2027

FOR FIELD USE

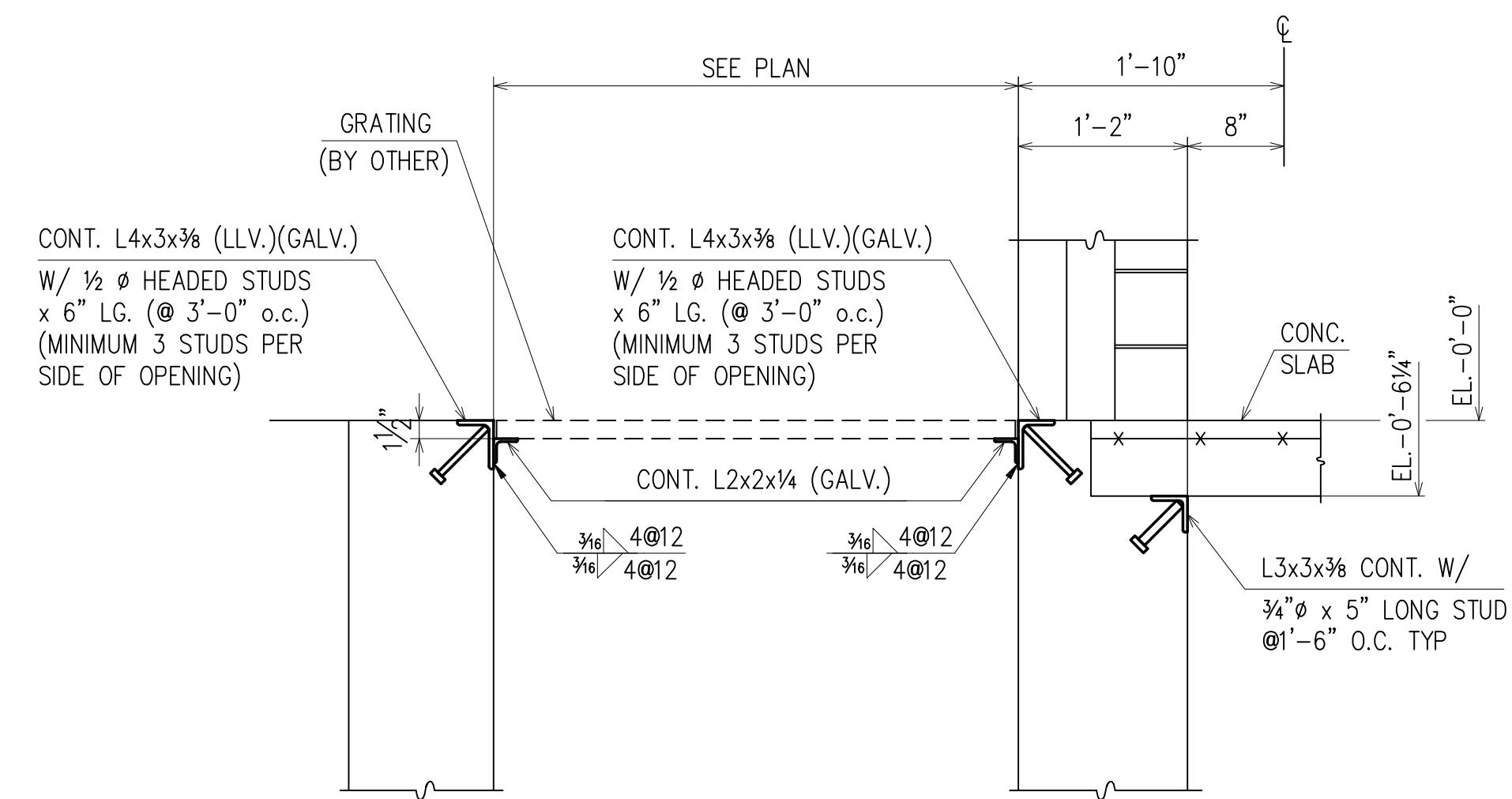
PAIN:	11/3/10	PER APPVL COMM.			FOR FIELD
MATERIAL:	10/18/10	PER CHECK			4th APPVL
HOLES:	10/11/10	FOR APPROVAL			3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976
CHECKED ARS	DWG TITLE:	SECTIONS			DWG NO
DATE 10/18/10					E19



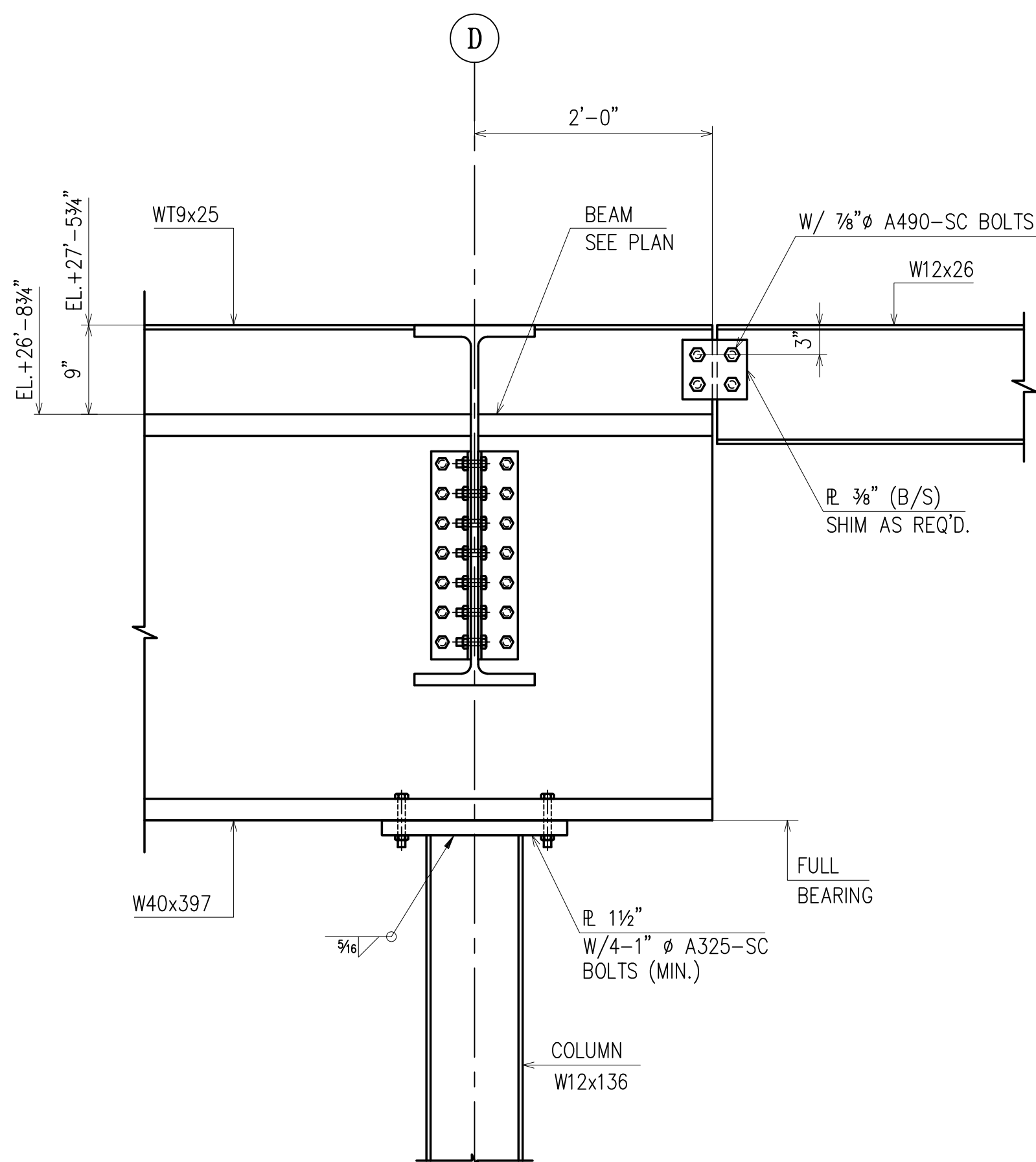
SECTION 1
(RE: 1/F0201)
(E1)



SECTION 2
(RE: 5/F0202)
(E1)

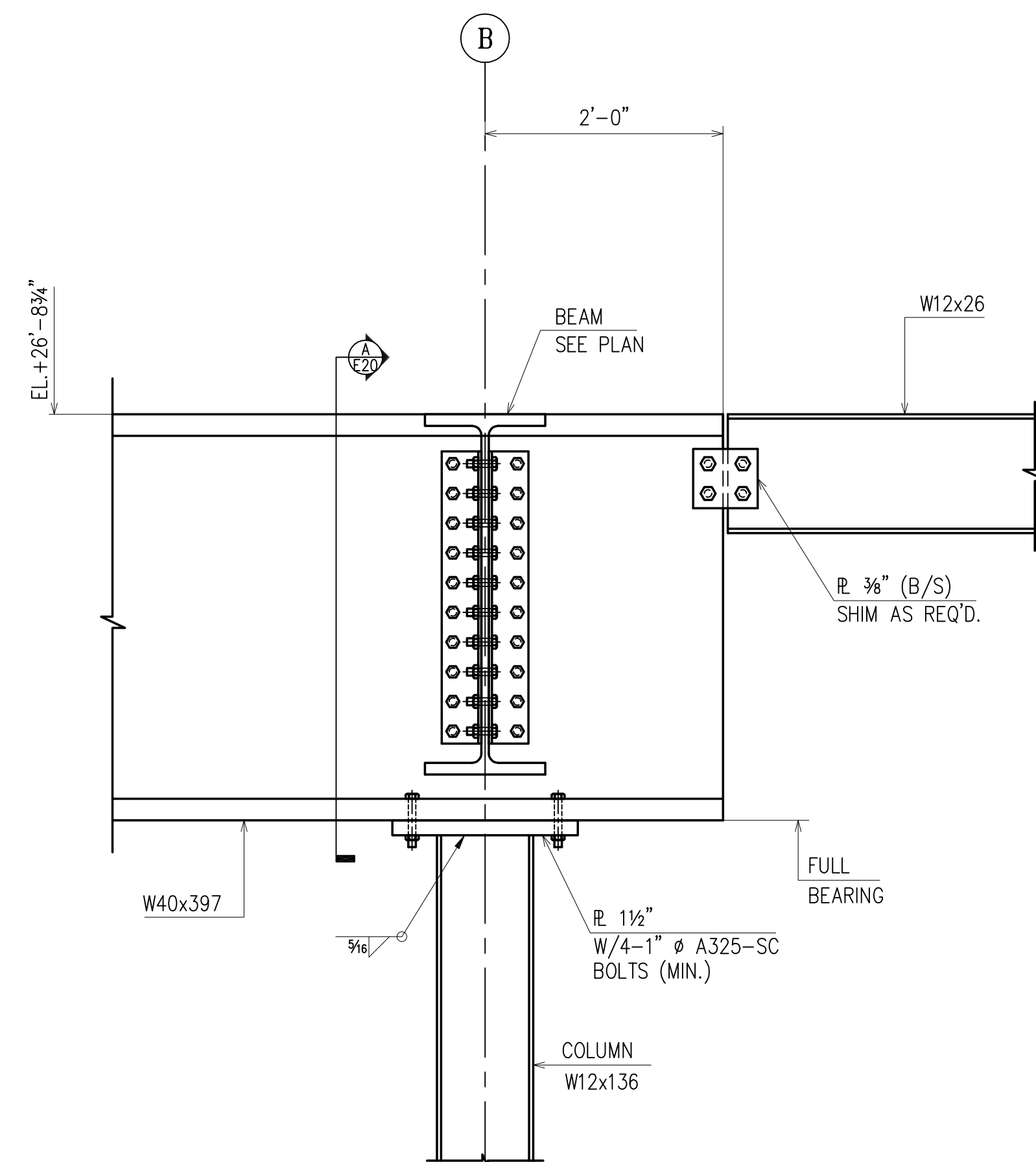


SECTION 3
(RE: 6/F0202)
(E1)



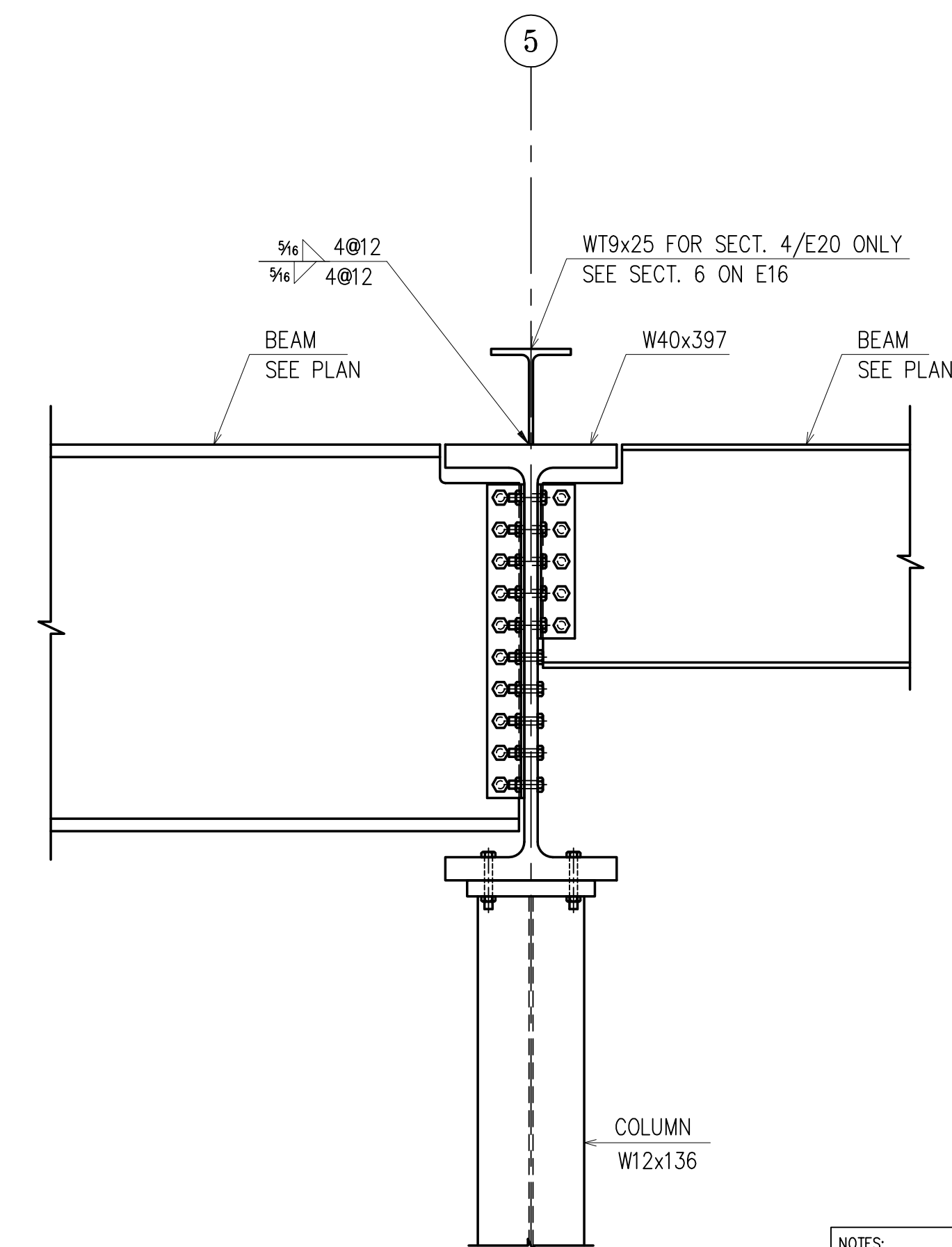
SECTION 4
(RE: 7A/S304)
(E3)

NOTE:
1. SLAB AND METAL DECK NOT SHOWN FOR CLARITY
2. ALL THE BOLTS INDICATED ARE FOR PICTORIAL PURPOSE ONLY.



SECTION 5
(RE: 7/S304)
(E3)

NOTE:
1. SLAB AND METAL DECK NOT SHOWN FOR CLARITY
2. ALL THE BOLTS INDICATED ARE FOR PICTORIAL PURPOSE ONLY.



SECTION A
(E20)

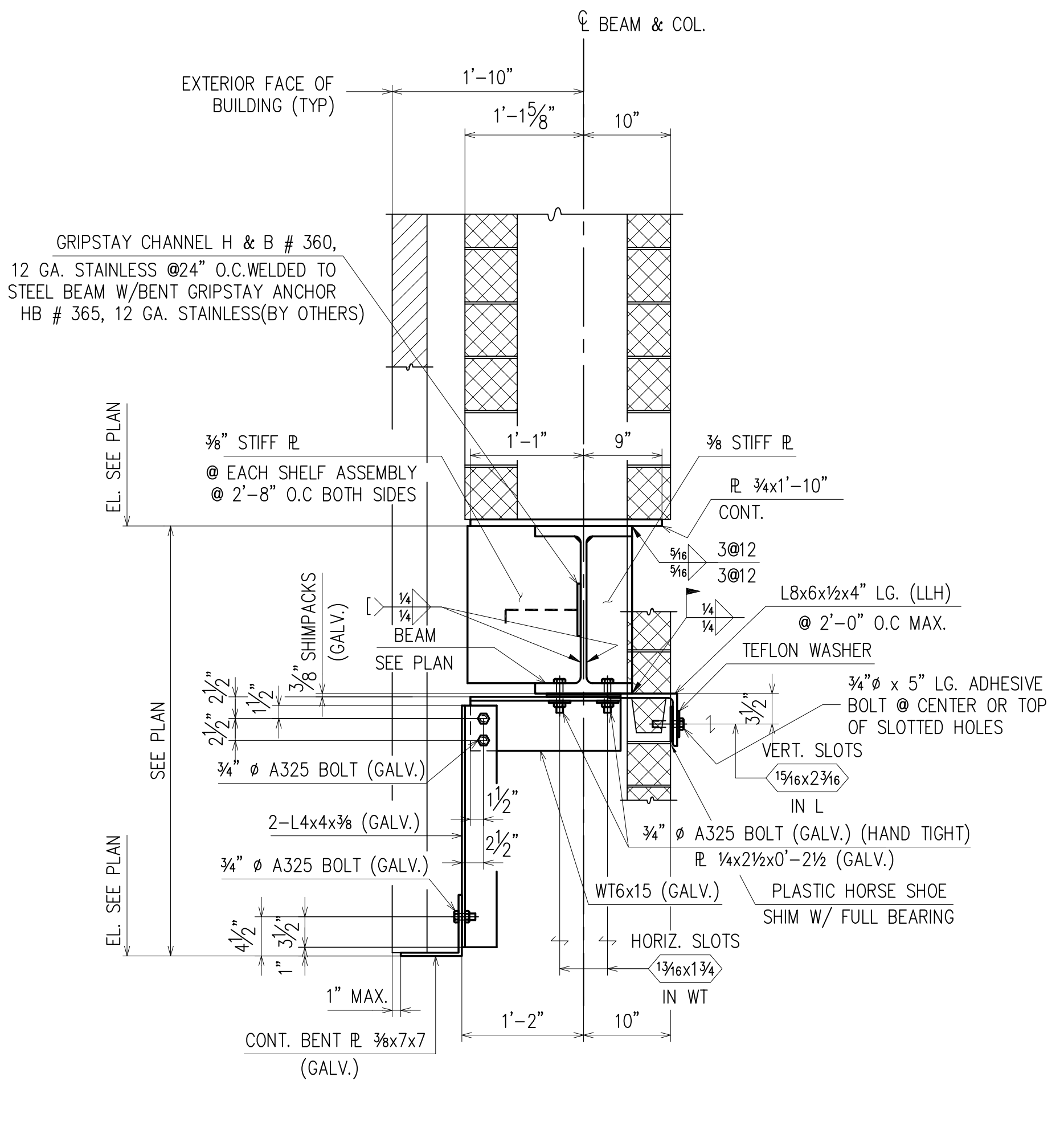
NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/4" THICK.

APPROVAL/REVIEW AUTHORITY:
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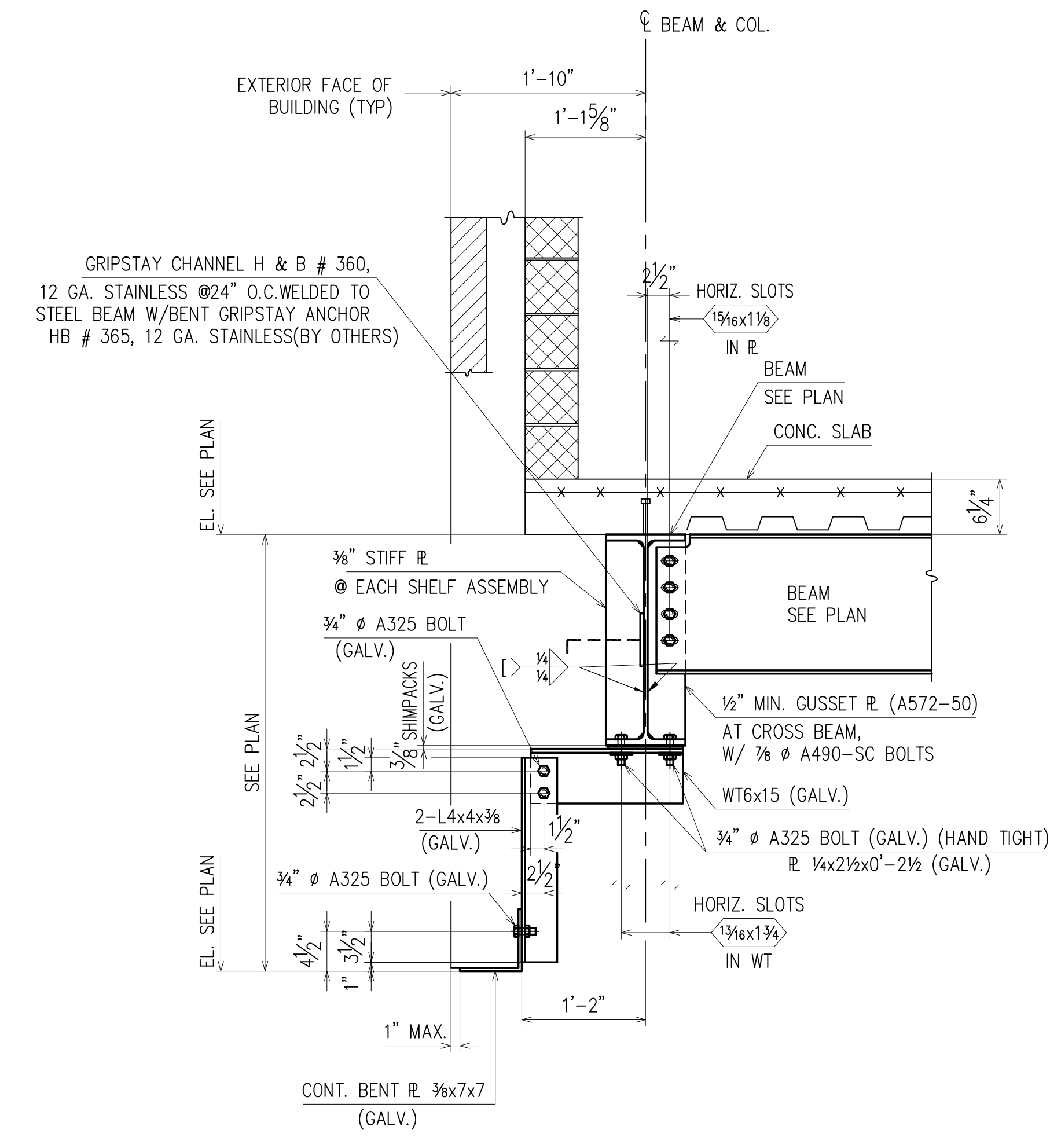
DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	11/10/10	PER CHECK/ FOR FIELD USE			FOR FIELD
MATERIAL:	10/18/10	PER CHECK			4th APPVL
HOLES:	10/11/10	FOR APPROVAL			3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER: WEIR WELDING CO., INC.					
316 12th STREET CARLSTADT, NJ 07072					
PHONE: (201) 939-2284 FAX: (201) 939-5525					
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976
CHECKED ARS	DWG TITLE:	SECTIONS			DWG NO
DATE 10/18/10					E20



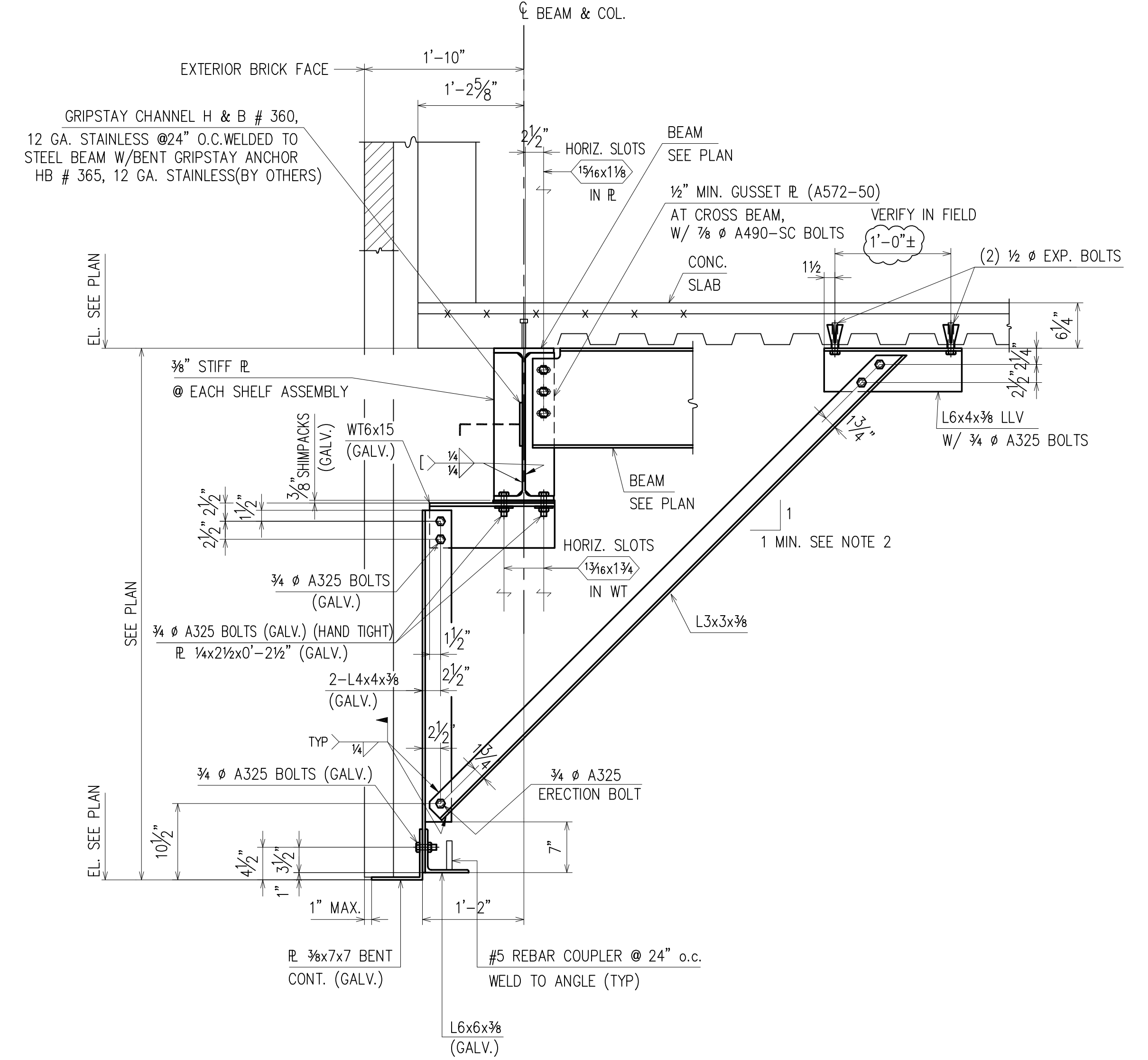
NOTE :
FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECTION 1/E16.

SECTION 1
(RE: 2/S201)
(E2,E3,E4,E5 & E6)



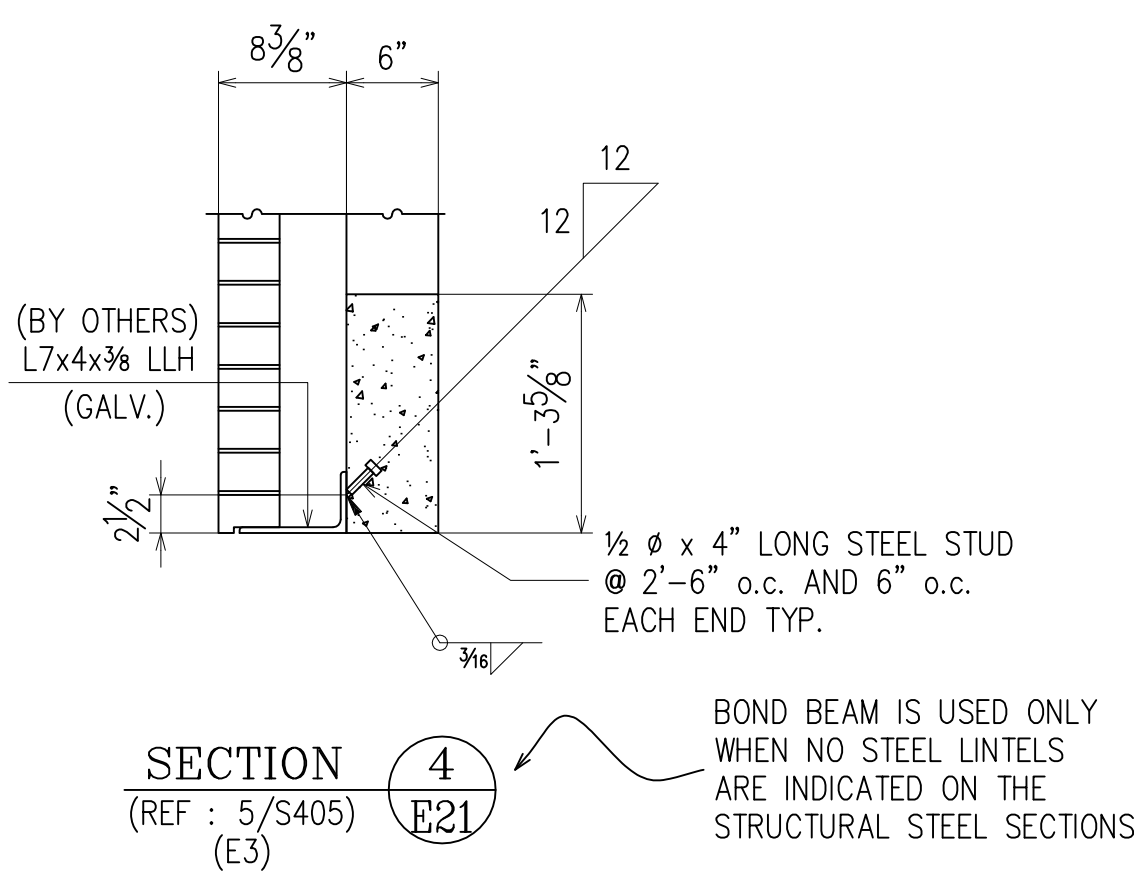
NOTE :
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SECTION 2
(RE: 1/S201)
(E2,E3,E4 & E5)



NOTE :
1. AT LOCATION OF CROSS BEAMS, CONNECT BRACING ANGLE TO BOTTOM FLANGE OF BEAM
2. BRACING ANGLE SHALL CLEAR THE BEAM, THE OPENING IN THE SLAB AND THE SELF ASSEMBLY.
3. TIGHTEN BOLTS AFTER ELEVATION ADJUSTMENTS ARE MADE AND WELD AS SHOWN. SCRAPE GALVANIZED PRIOR TO WELDING AND GALVANIZED REPAIR PAINT AFTER WELDING IS COMPLETED.
4. FOR ADDITIONAL INFORMATION OF SHELF ANGLE ASSEMBLY AND NOTES, SEE SECTION 1/E16.

SECTION 3
(RE: R-5/S205)
(E6&E7)



SECTION 4
(REF : 5/S405)
(E3)

BOND BEAM IS USED ONLY WHEN NO STEEL LINTELS ARE INDICATED ON THE STRUCTURAL STEEL SECTIONS

NOTES :
1. ALL BOND BEAMS TO COMPLY WITH ASTM SPECIFICATION C-476, 3000 P.S.I. GROUT FOR REINFORCED MASONRY.
2. ALL PRECAST LINTELS AND LINTEL BLOCKS SHALL HAVE 8" BEARING AT BOTH SIDES OF MASONRY OPENINGS.
3. LOOSE STEEL LINTELS SHALL HAVE 6" BEARING AT BOTH SIDES OF MASONRY OPENINGS.
4. FILL BLOCK CORE SOLID WITH GROUT @ LOCATION OF LINTEL BEARING AREA.

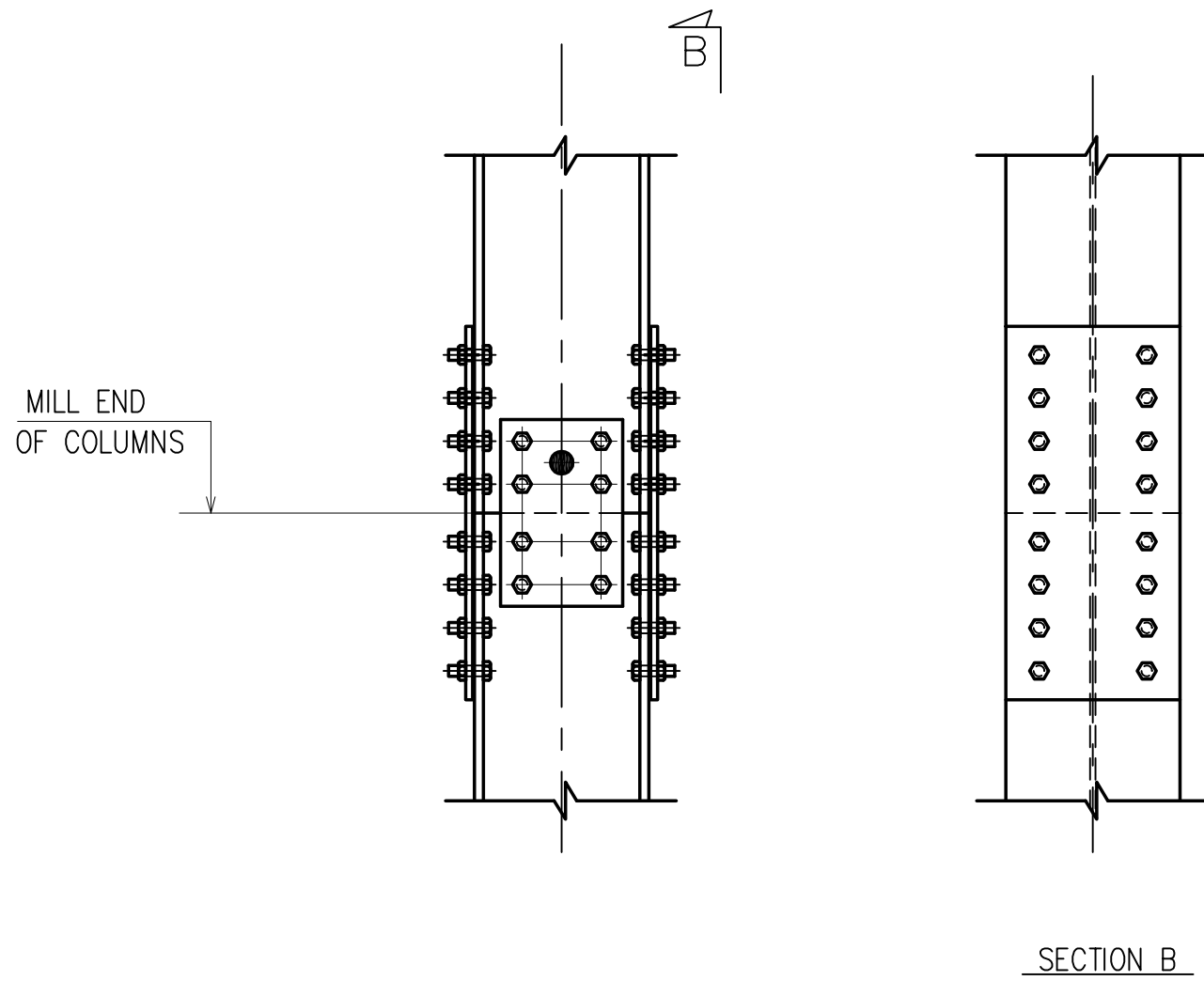
NOTES:
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2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.

APPROVAL/REVIEW AUTHORITY:
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FOR FIELD USE

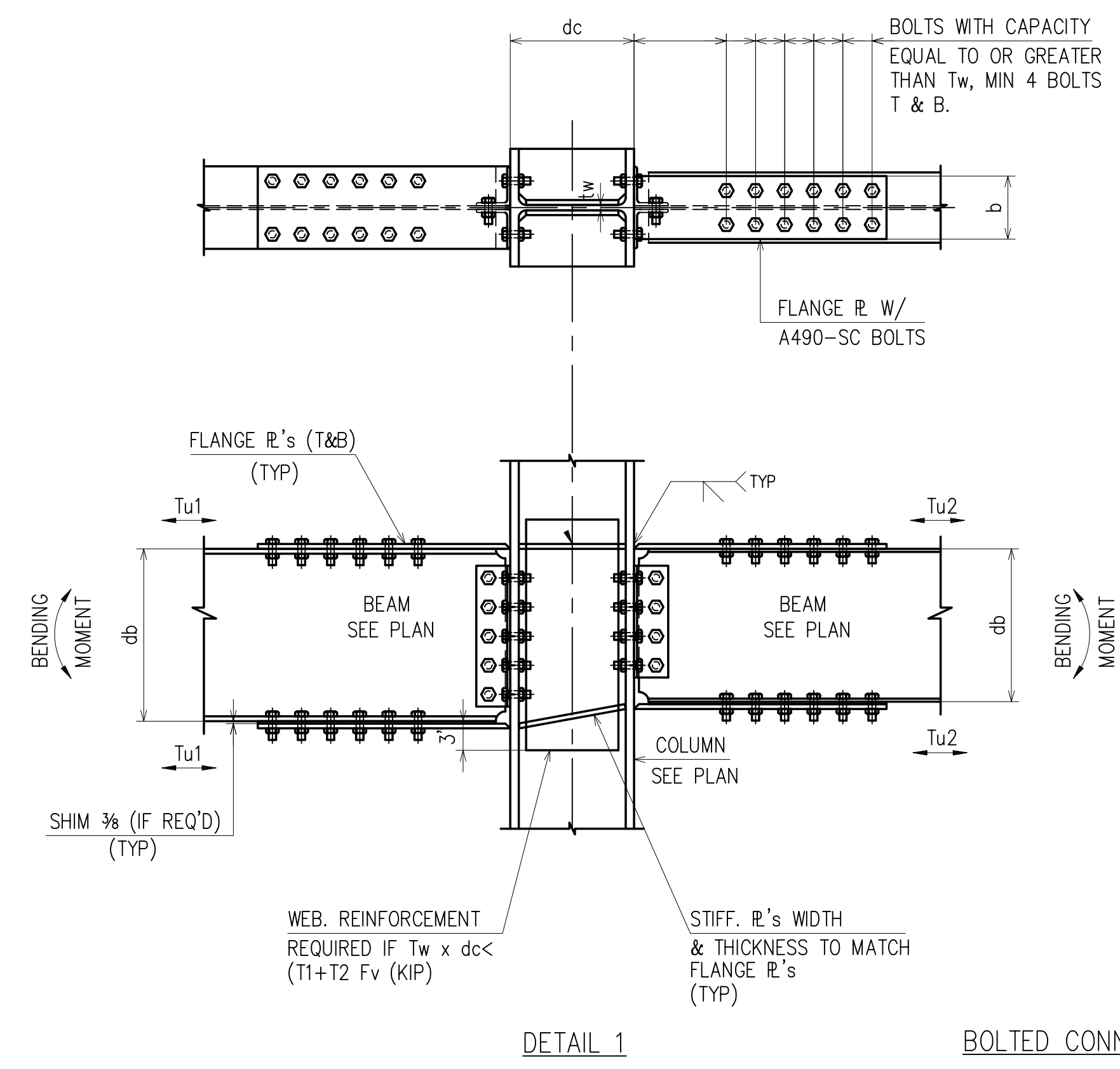
DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	11/3/0	PER APPV. COMM.				FOR FIELD	
MATERIAL:	10/8/0	PER CHECK				4th APPV	
HOLES:	10/11/0	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		3rd APPV	
ELECTRODES:	8/23/0	FOR APPROVAL	1/21/11	PER CHECK/ FOR FIELD USE		2nd APPV	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPV	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.							
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525							
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO		
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976		
CHECKED ARS	DWG TITLE:	SECTIONS			DWG NO		
DATE 10/18/10					E21		

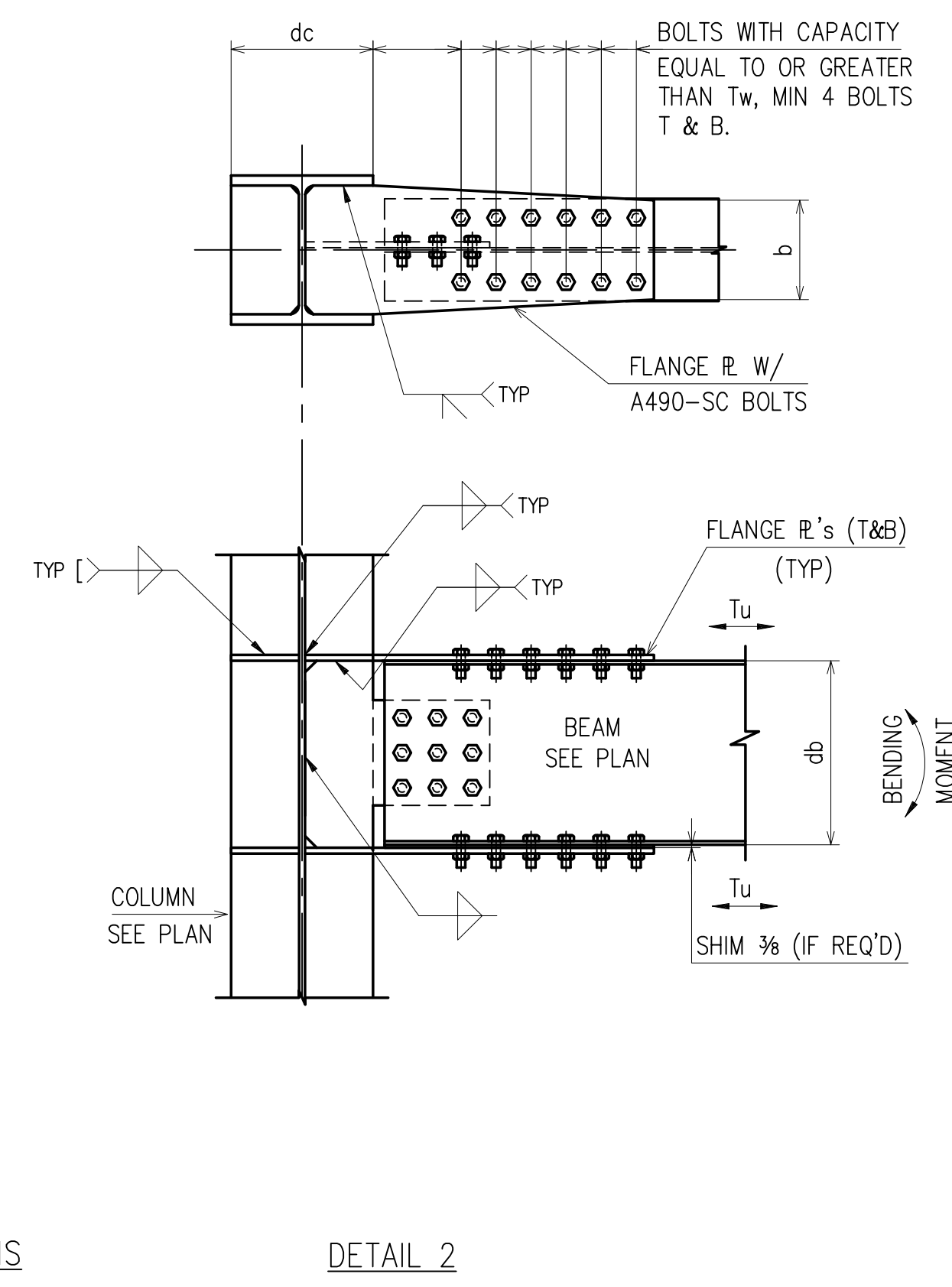


NOTE: SEE SECTION 4/CS-1 FOR MORE INFO

TYPICAL COLUMN SPLICE DETAIL
(REF:1/S303)
NON-TENSION SPLICE

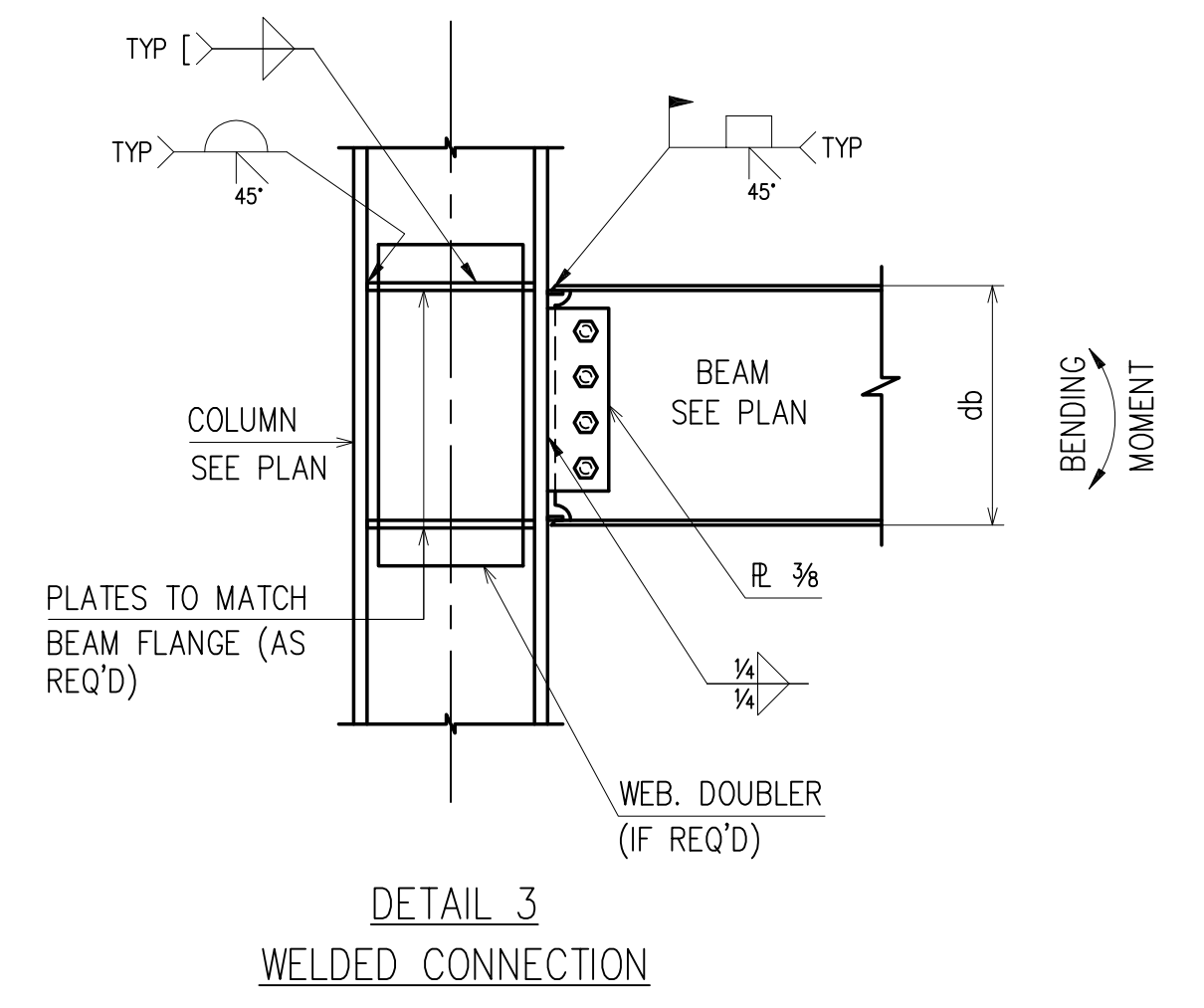


DETAIL 1



DETAIL 2

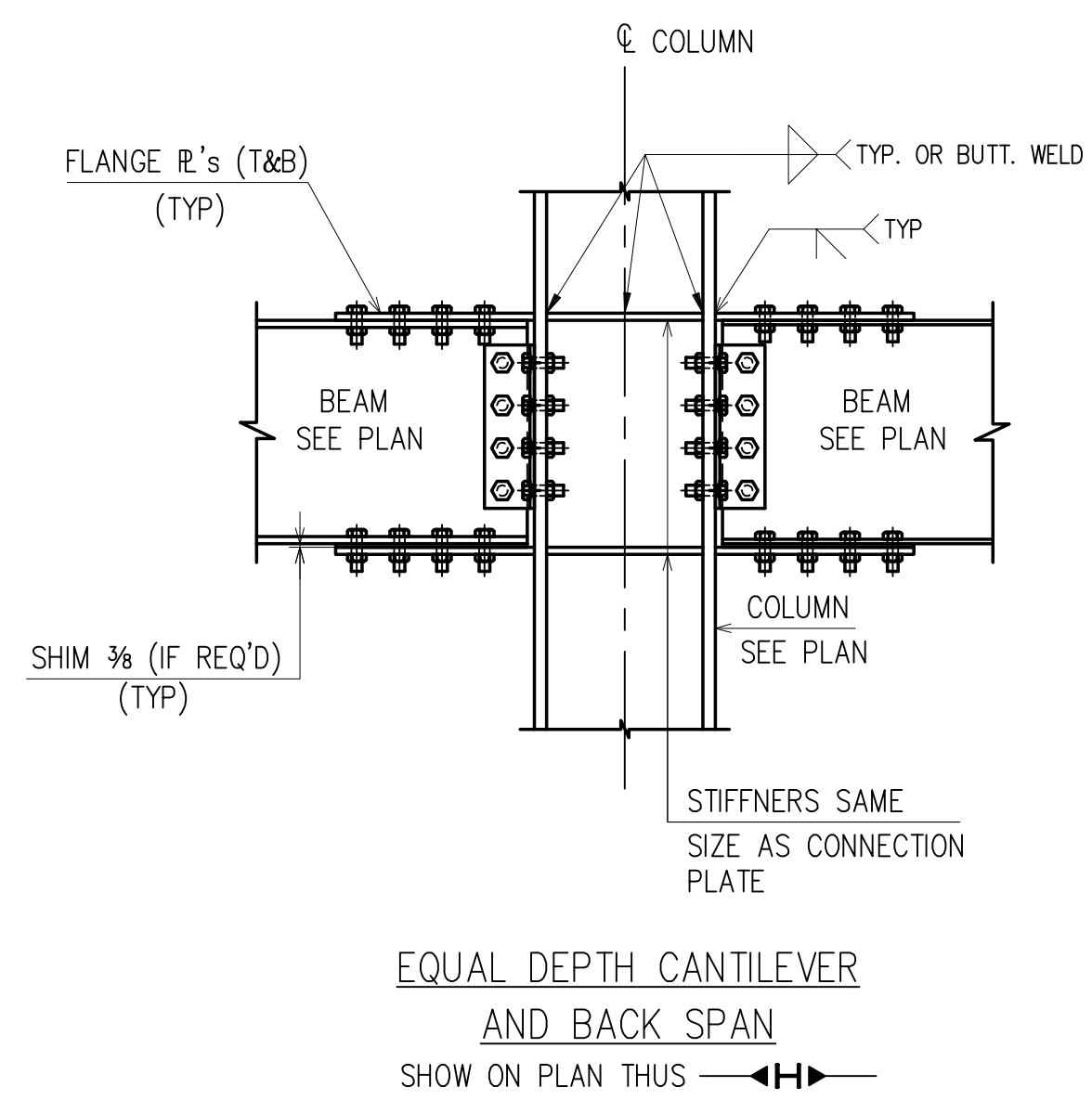
BOLTED CONNECTIONS



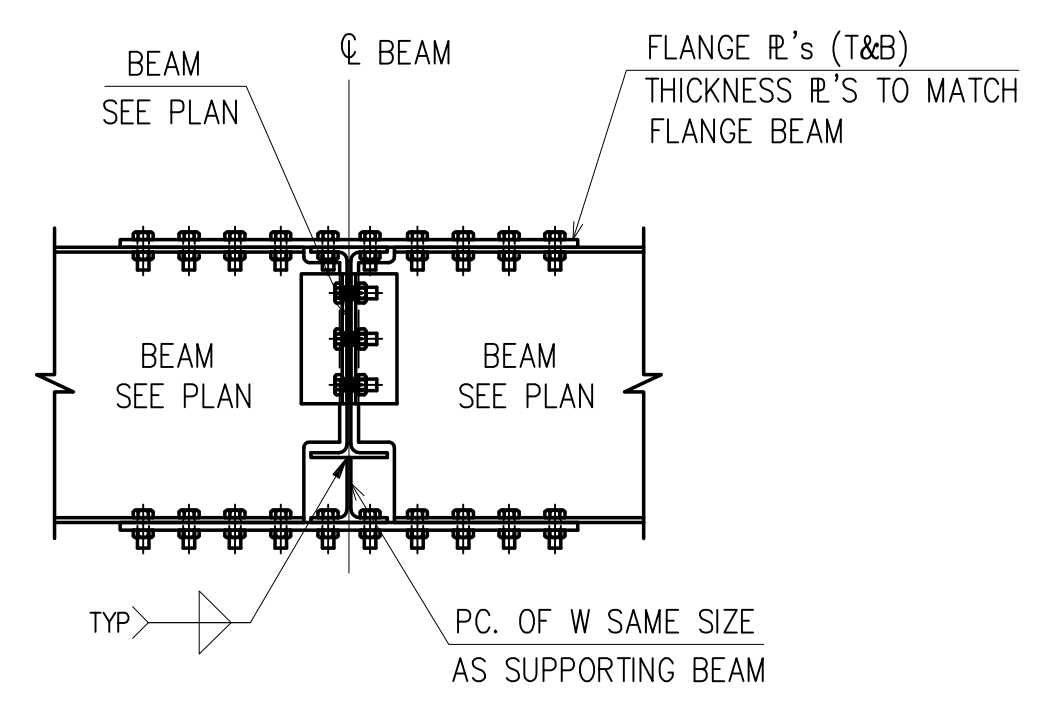
DETAIL 3
WELDED CONNECTION

TYPICAL LATERAL MOMENT FRAME CONNECTION DETAILS
(REF:2/S303)
(REF : CS-5)

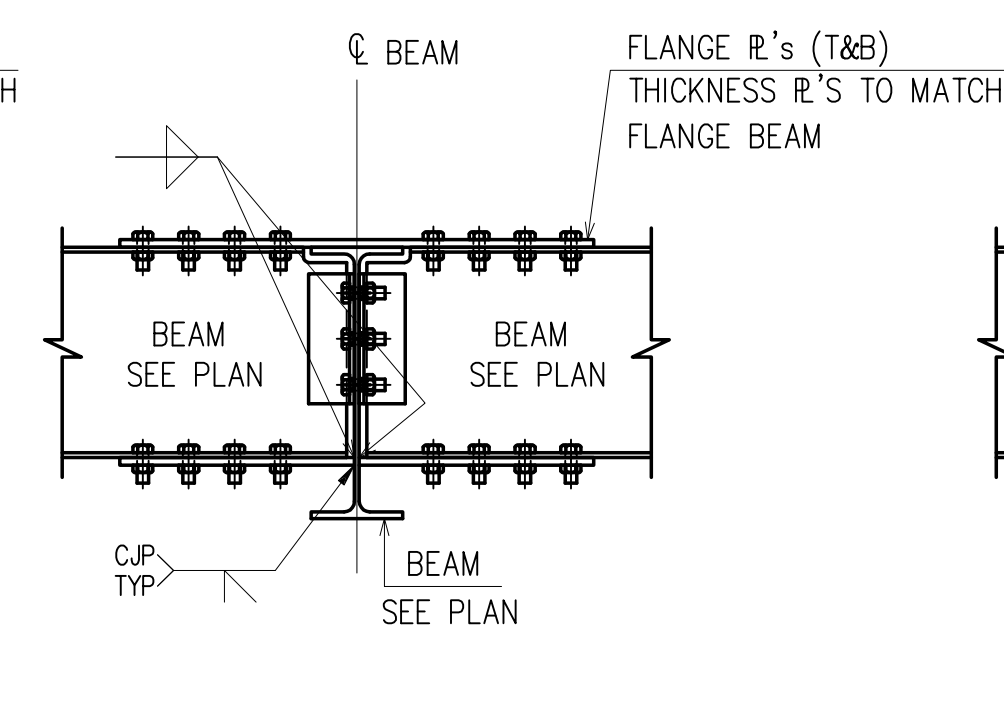
NOTE: SEE MOMENT CALCULATIONS FOR MORE INFO



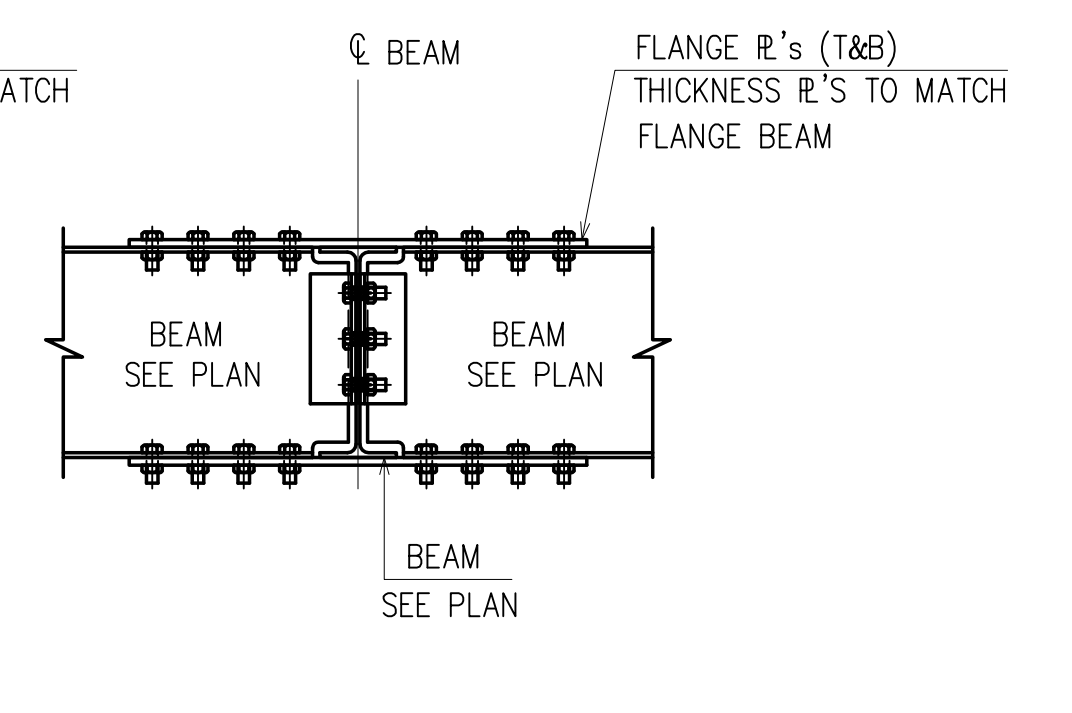
EQUAL DEPTH CANTILEVER
AND BACK SPAN
SHOW ON PLAN THUS \longleftrightarrow



CANTILEVER LARGER IN DEPTH
THAN SUPPORTING BEAM
SHOW ON PLAN THUS \longleftrightarrow



CANTILEVER SMALLER IN DEPTH
THAN SUPPORTING BEAM
SHOW ON PLAN THUS \longleftrightarrow



EQUAL DEPTH CANTILEVER
AND SUPPORTING BEAM
SHOW ON PLAN THUS \longleftrightarrow

NOTE: SEE ENGINEER'S CALCULATION FOR MORE INFO

TYPICAL CANTILEVER BEAM CONNECTION DETAILS
(REF:3/S303)
(REF : CS-5)

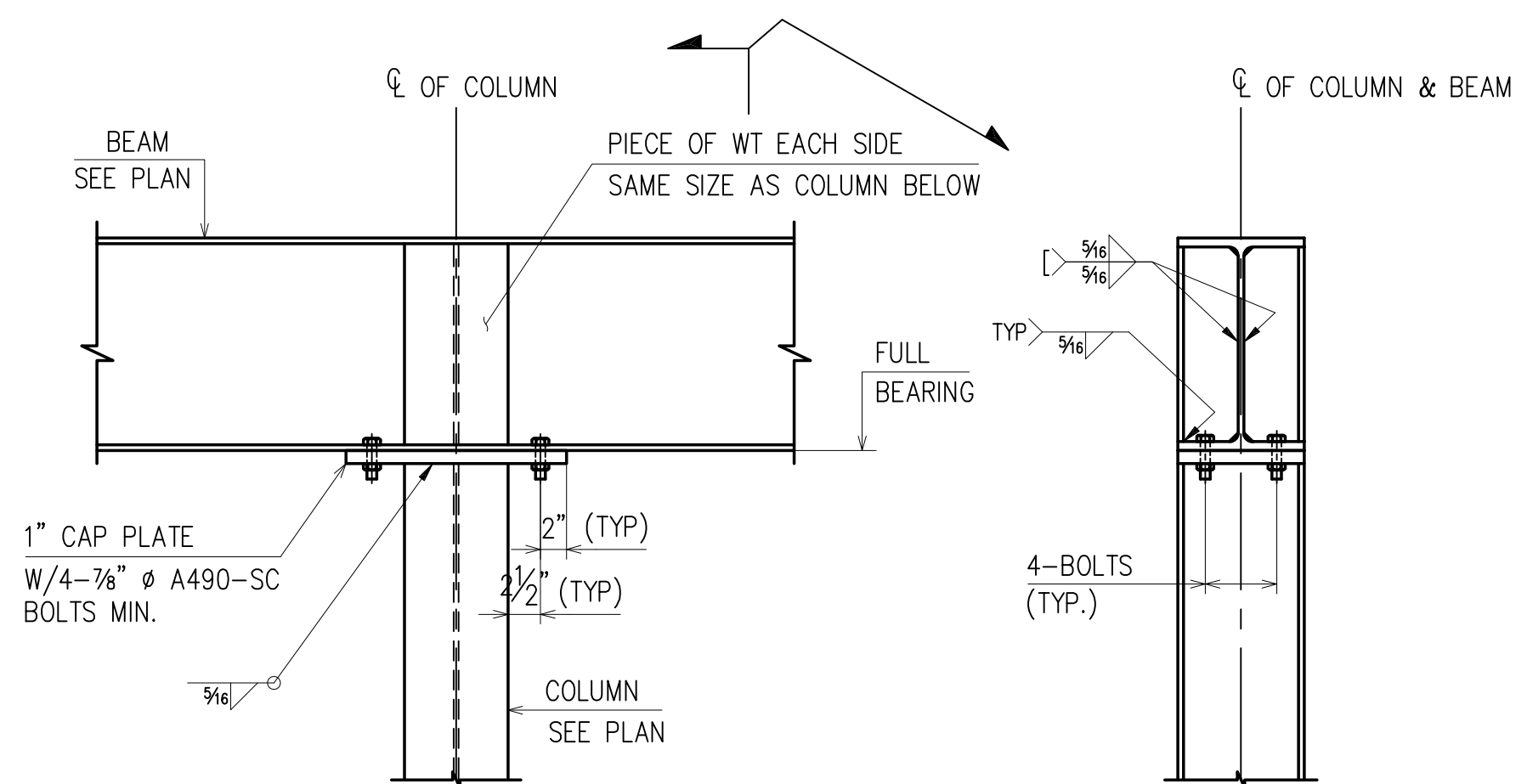
NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.

APPROVAL/REVIEW AUTHORITY:
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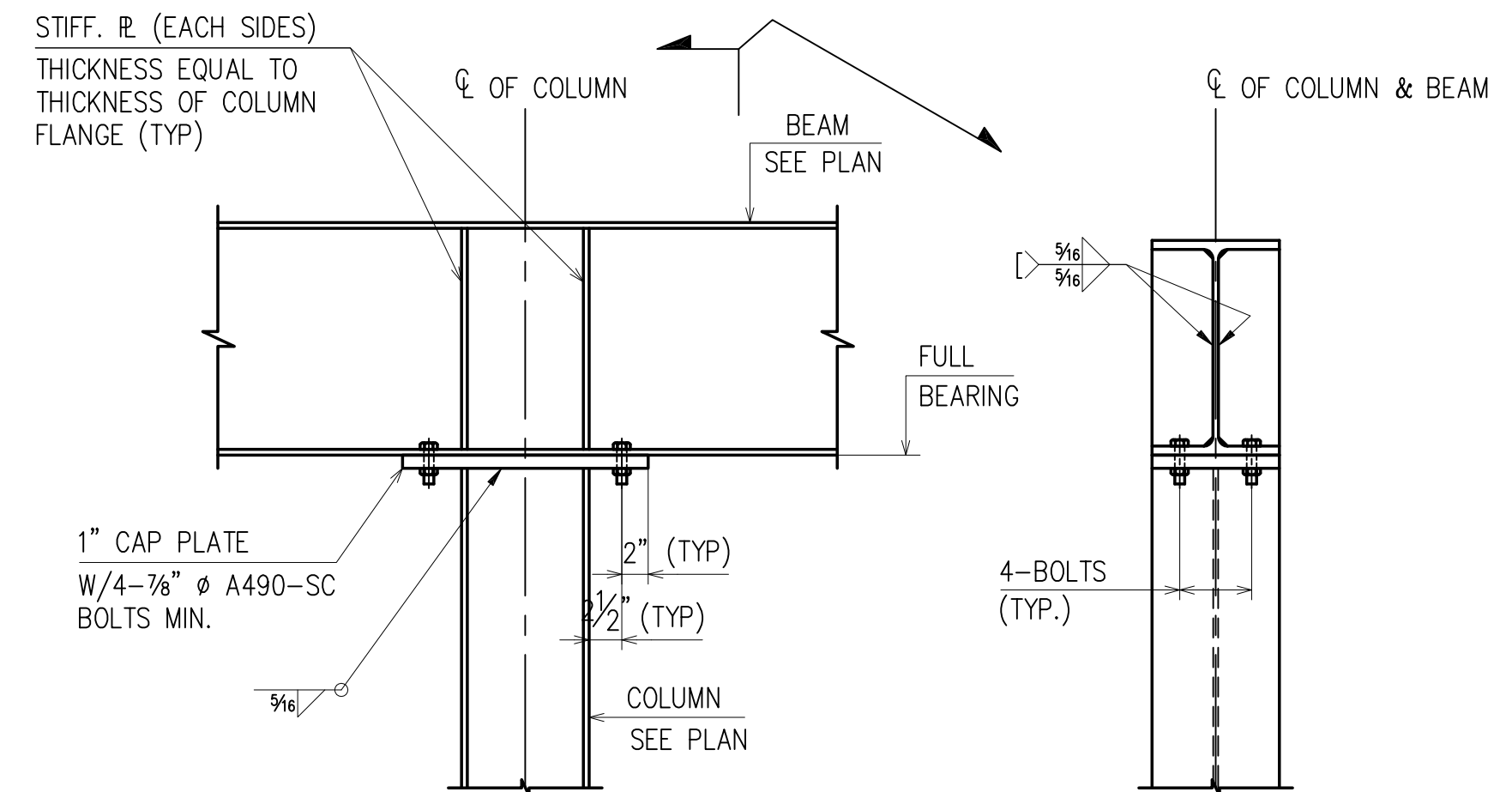
DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

FOR FIELD USE

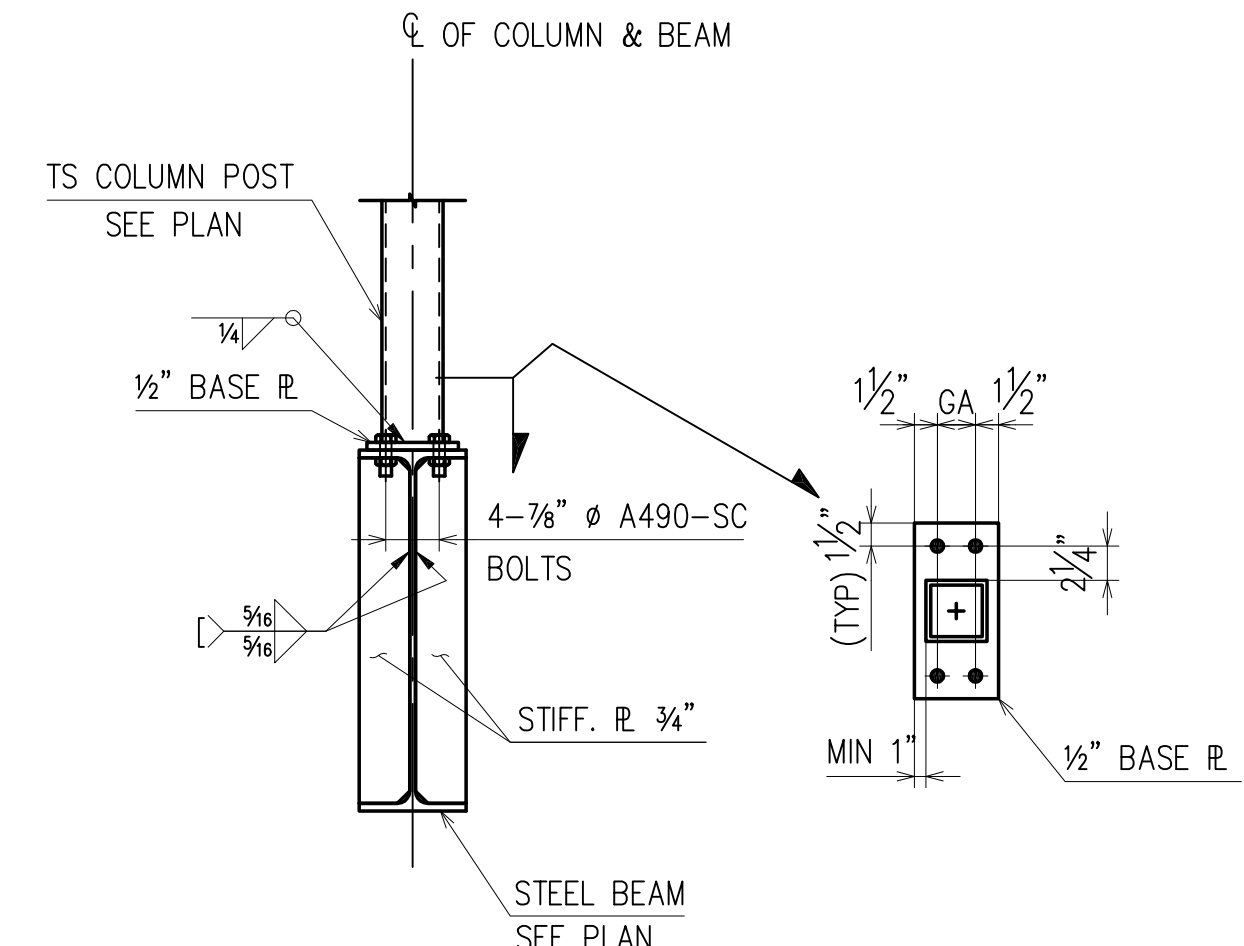
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MATERIAL:	10/18/10	PER CHECK				4th APPVL	
HOLES:	10/11/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		3rd APPVL	
ELECTRODES:	8/23/10	FOR APPROVAL	1/21/11	PER CHECK/ FOR FIELD USE		2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.							
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525							
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO		
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976		
CHECKED ARS	DWG TITLE:	TYPICAL DETAILS			DWG NO		
DATE 10/18/10					E22		



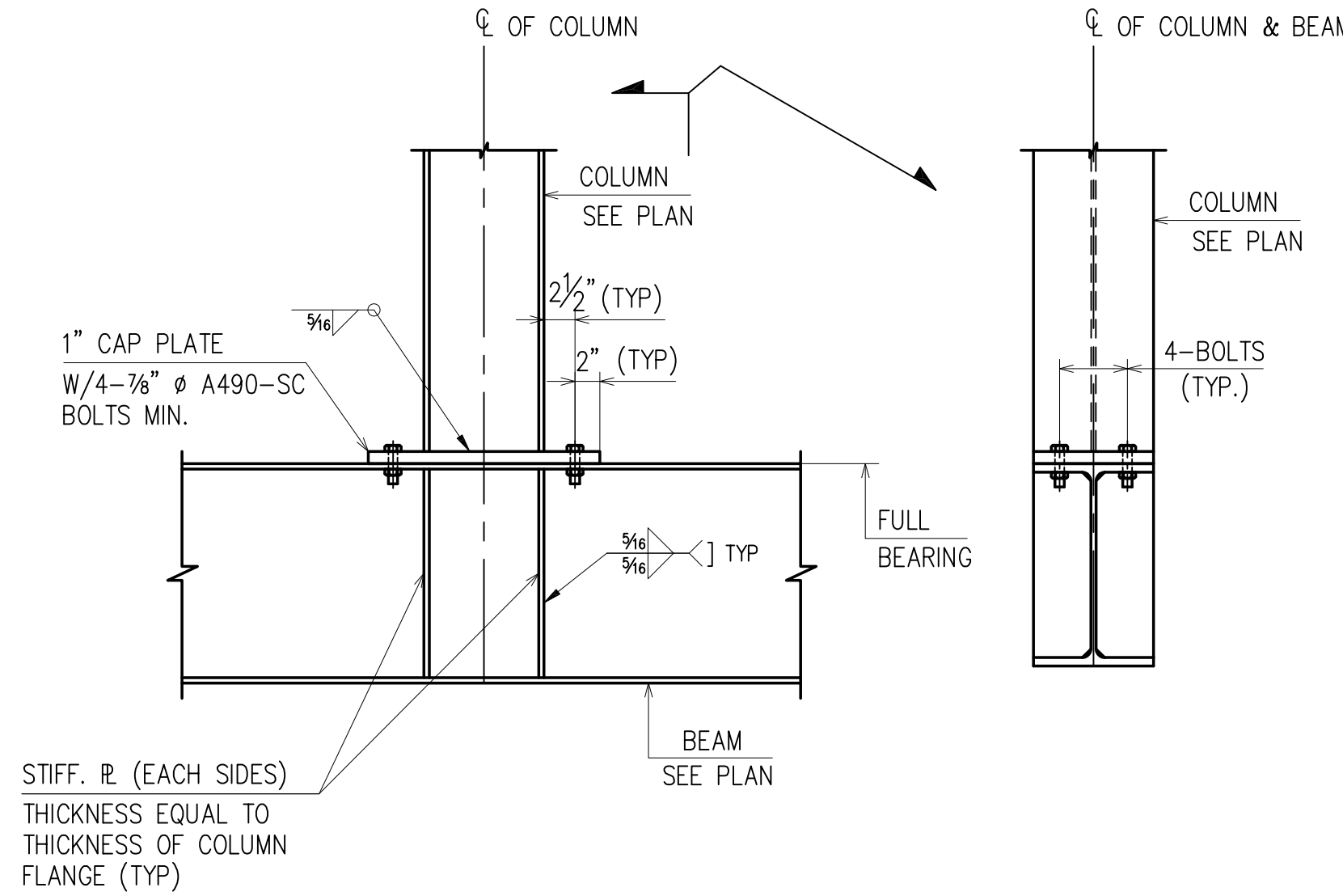
TYPICAL BEAM SUPPORTED OVER COLUMN DETAILS
(REF : 1/S304)



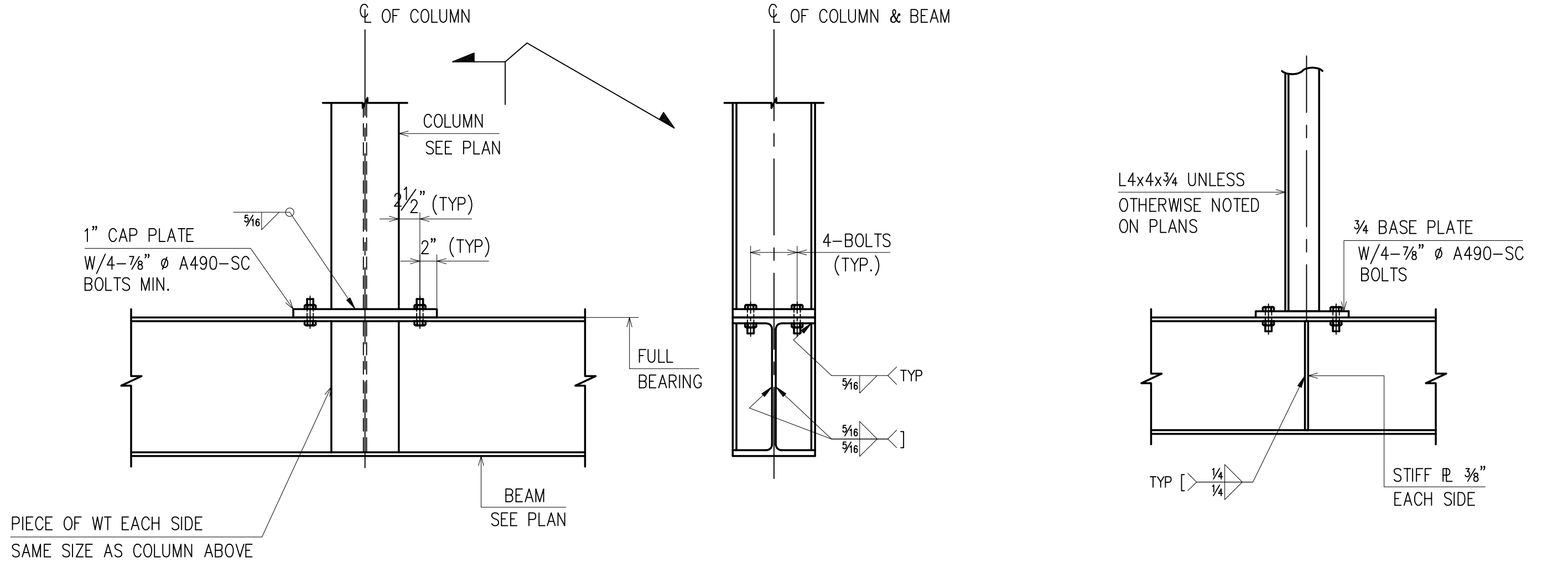
TYPICAL HANGER DETAILS
(REF : 2/S304)



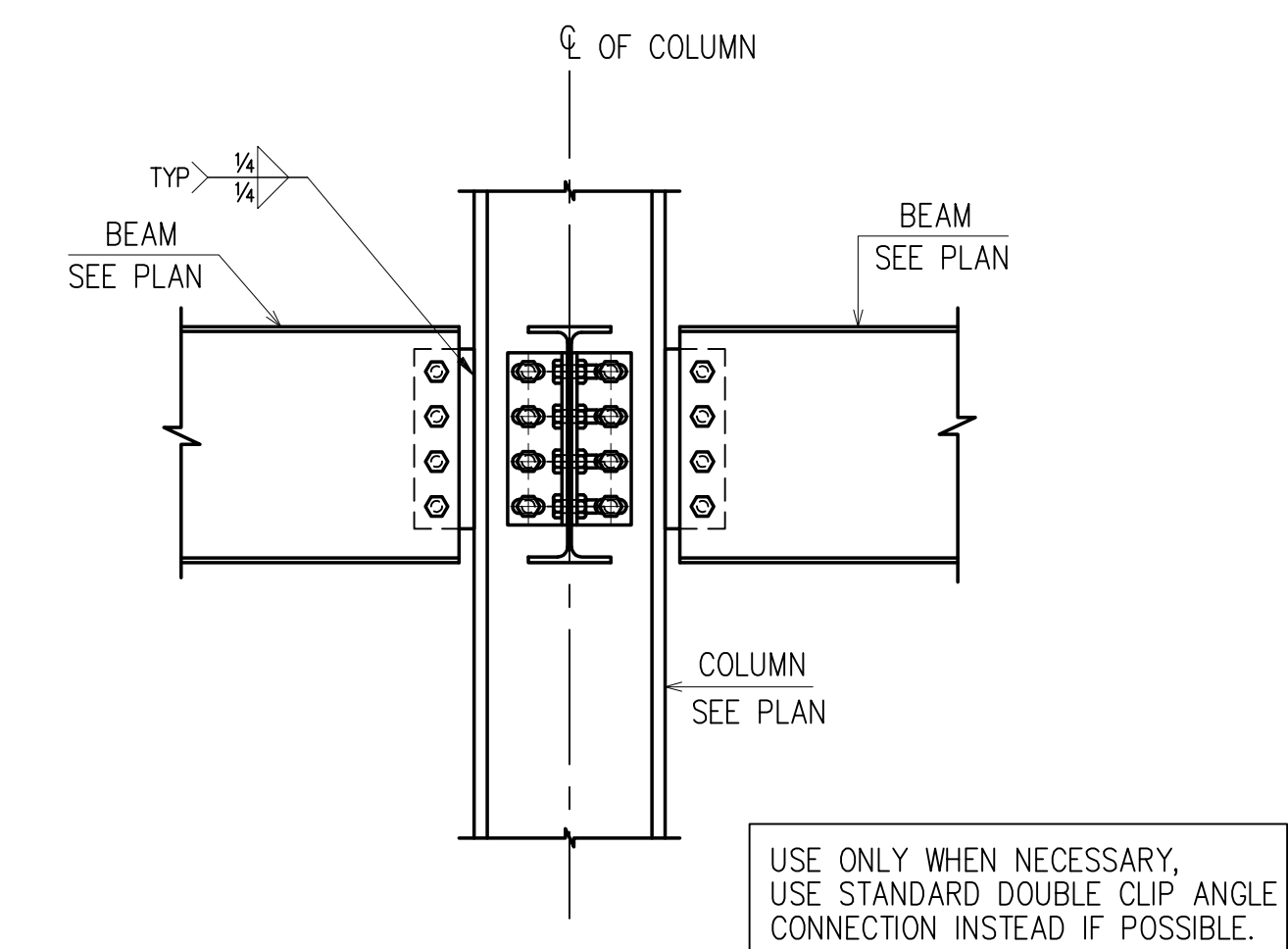
TYPICAL DETAIL FOR TUBE OR POST OVER BEAM
(REF : 3/S304)



TYPICAL COLUMN SUPPORTED ON BEAM DETAILS
(REF : 4/S304)



TYPICAL CONNECTION DETAIL FOR SHEAR CONNECTIONS WITH AXIAL TENSILE LOADS
(REF : 6/S304)



TYPICAL W BEAM TO W COLUMN SHEAR CONNECTION DETAIL
(REF : 5/S304)
(REF : CS-2)

- NOTES :
1. BEAM WEB TO BE CHECKED FOR BEARING AND BLOCK SHEAR WHEN THE BEAM IS COPED
NOTE P & V TO BE COMBINED I.E $R = \sqrt{R_2 + V_2}$
 2. BOLTS ON THE BEAM WEB TO BE CHECKED FOR COMBINED TENSION AND SHEAR CASE, AGAIN $= \sqrt{P^2 + V^2}$
 3. ANGLE TO BE CHECKED FOR CROSS SHEAR, GROSS TENSION, NET TENSION AND BEARING
 4. ANGLE LEG BENDING (PRying ACTION) TO BE CHECKED.
 5. ANGLE TO BE CHECKED FOR THEIR DUCTILITY PER LRFD 2ND ED.VOL II P9-170

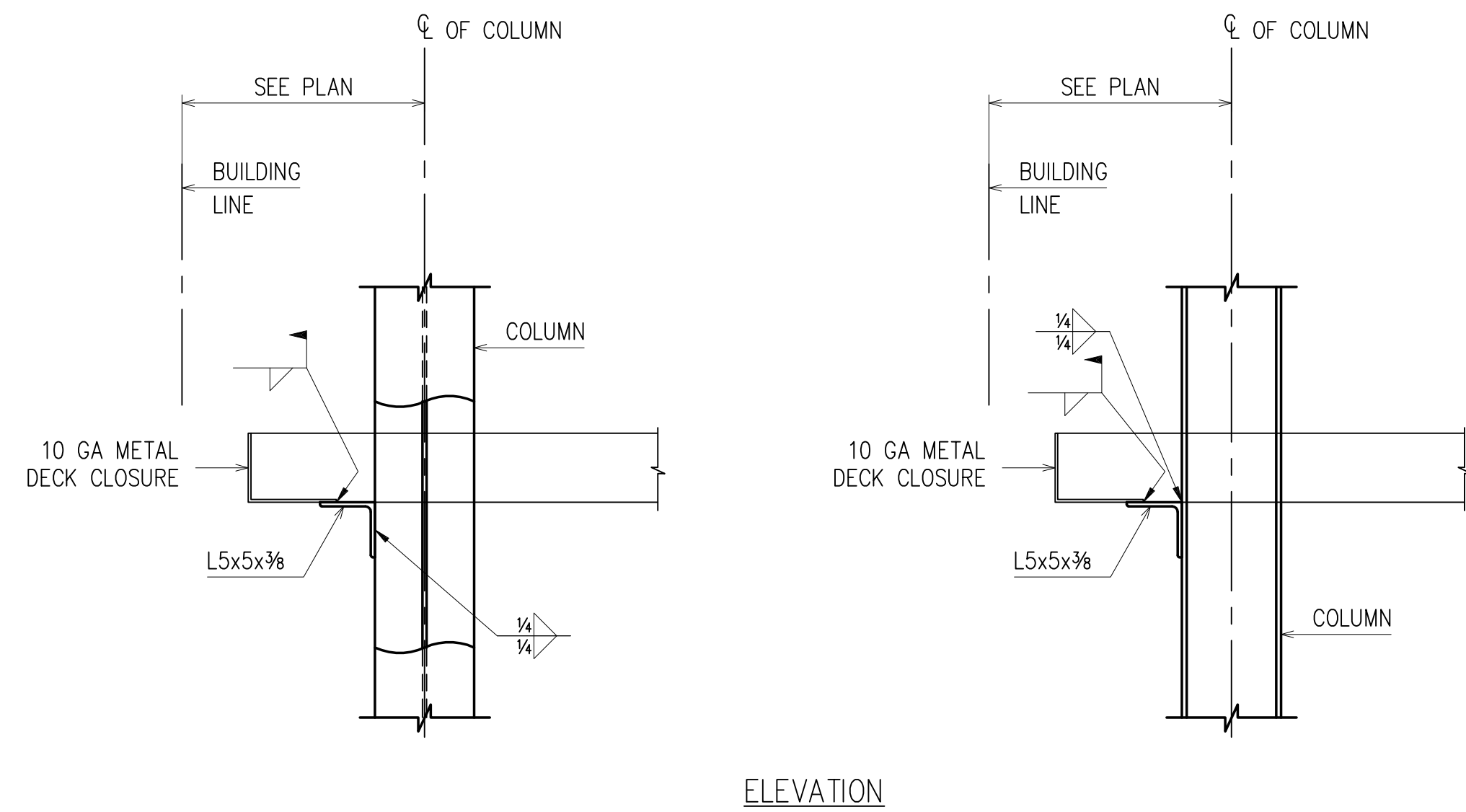
NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.

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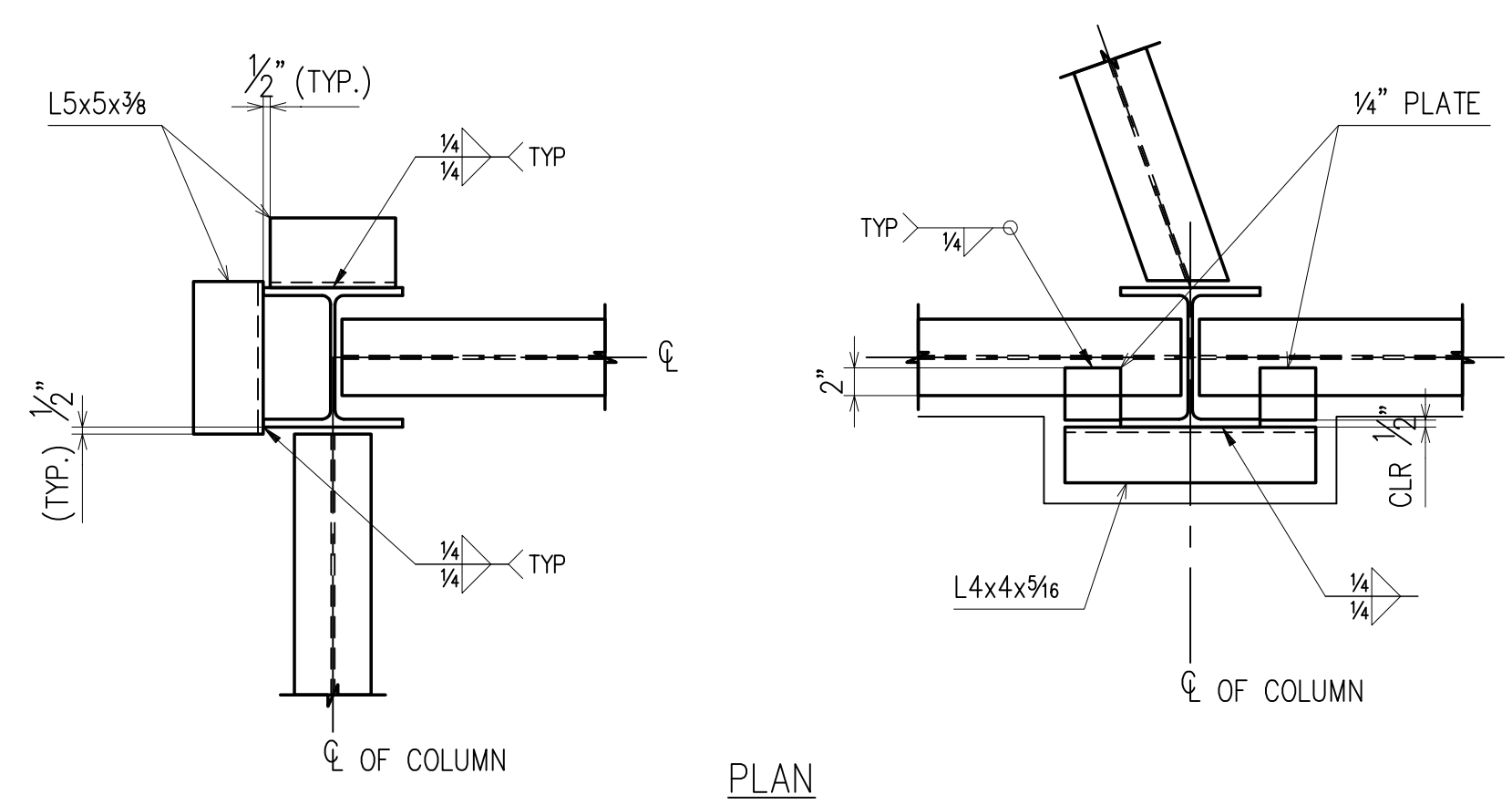
DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:	1/21/11	PER CHECK/ FOR FIELD USE				FOR FIELD	
MATERIAL:	10/18/10	PER CHECK				4th APPV	
HOLES:	10/11/10	FOR APPROVAL				3rd APPV	
ELECTRODES:	8/23/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		2nd APPV	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPV	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.							
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525							
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO.		
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976		
CHECKED ARS	DWG TITLE:	TYPICAL DETAILS			DWG NO.	E23	
DATE 10/18/10							



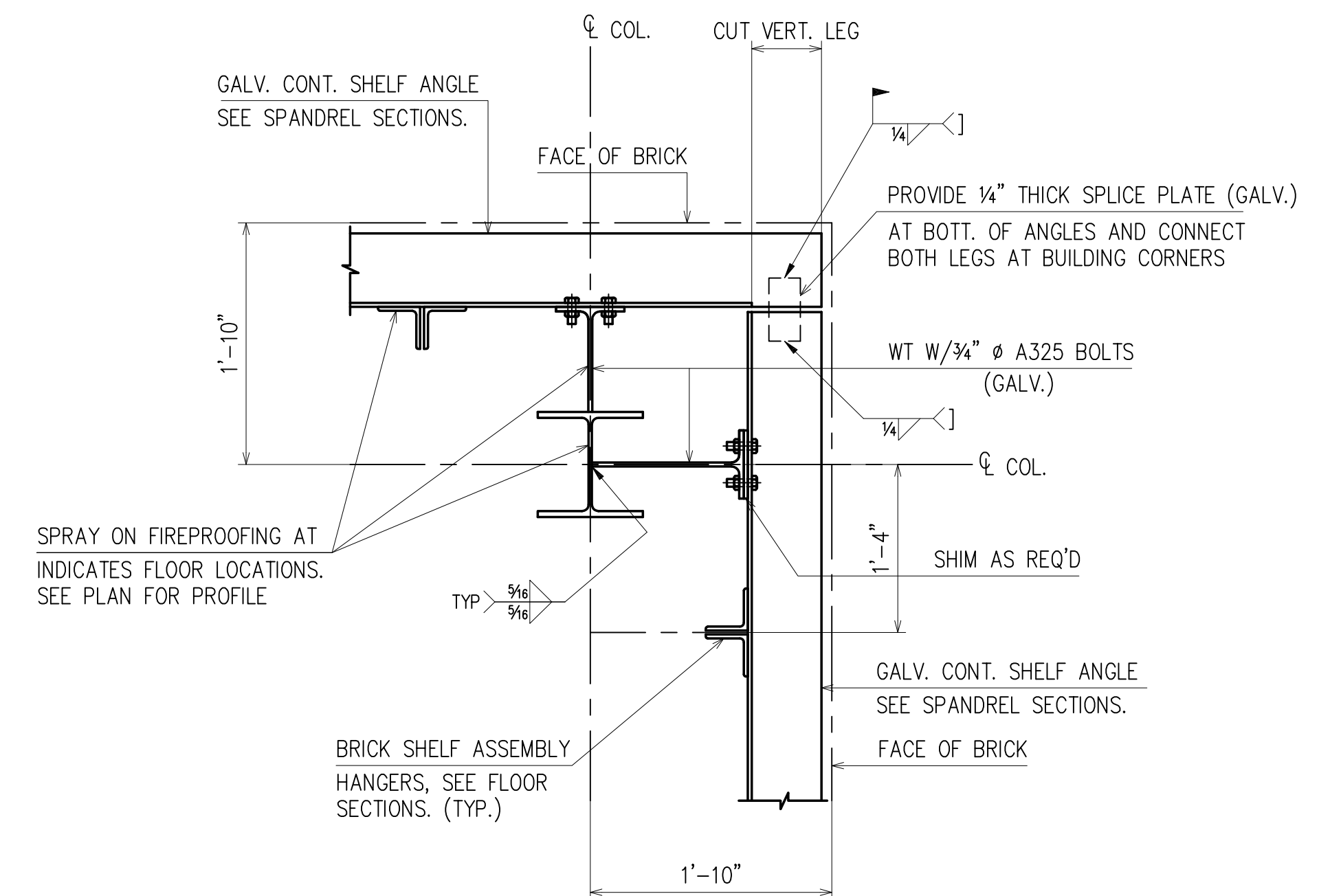
ELEVATION

TYPICAL DECK SUPPORT AT PERIMETER OF BLDG.
(REF : 5/S401.00)



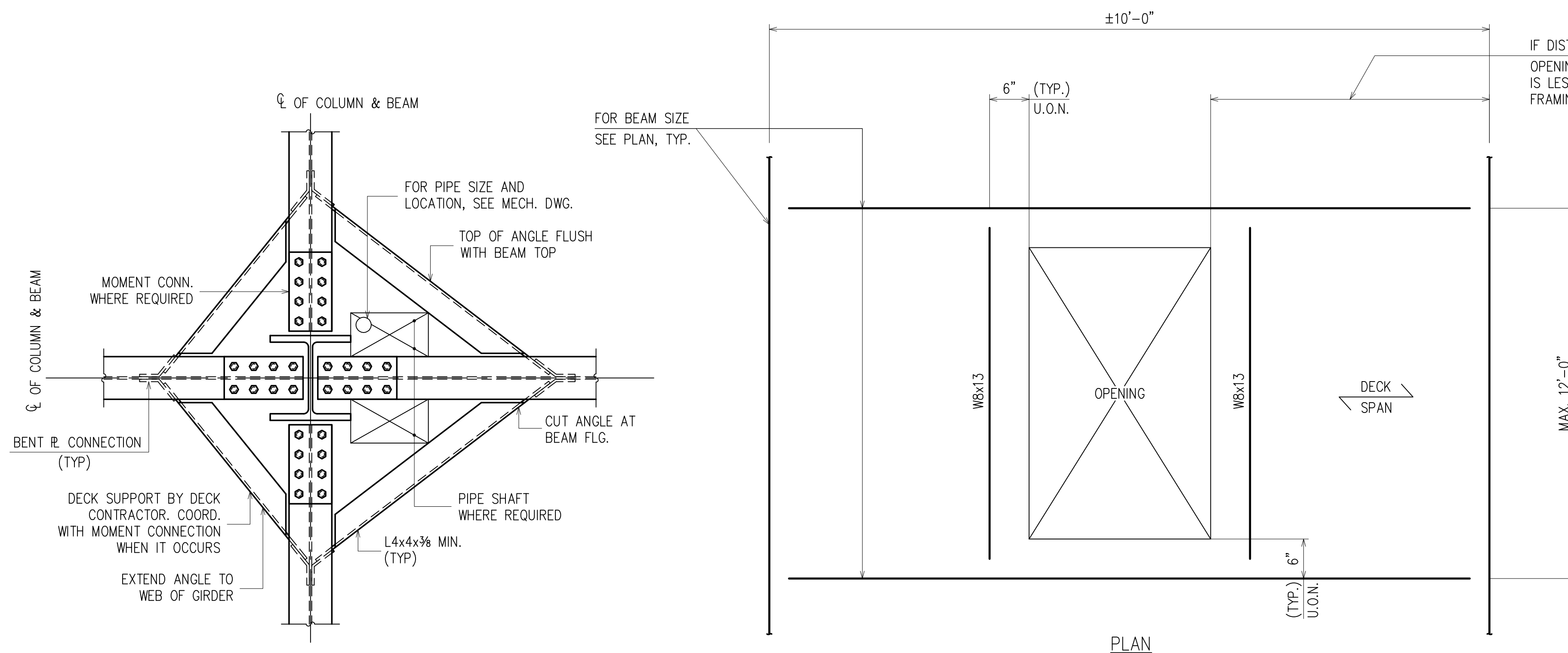
PLAN

TYPICAL DECK SUPPORT AT SHAFTS
(REF : 6/S401.00)



NOTE :
1. FOR ELEVATIONS OF LINTEL SHELF ANGLE, SEE SPANDREL SECTIONS.

TYPICAL SUPPORT OF BRICK
AT EXTERIOR COLUMNS (PLAN VIEW)
(REF : 7/S401.00)



PLAN

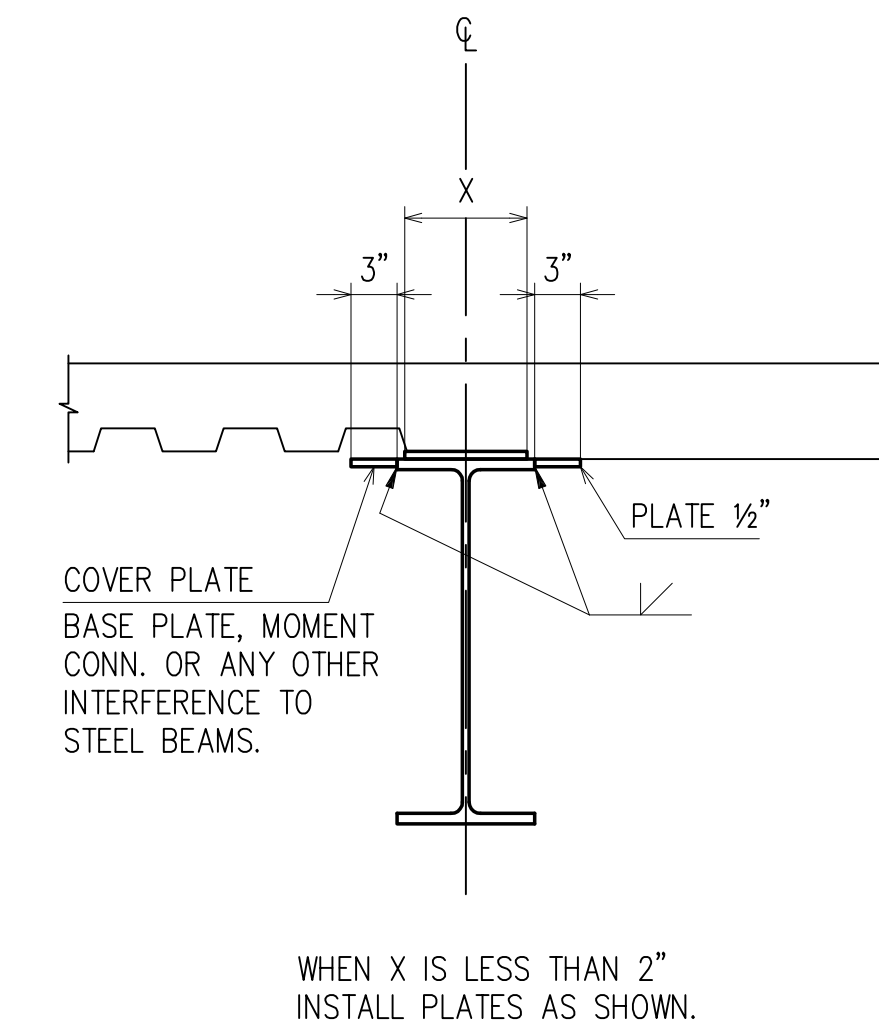
TYPICAL METAL DECK SUPPORT AT COLUMN
WITH MOMENT CONNECTION ONLY
(REF : 4/S401.00)

NOTE :
METAL DECK CONTRACTOR SHALL FURNISH AND INSTALL L4x4x3/8 (MIN.) DECK SUPPORT AT COLUMNS WHERE DECK RIBS ARE INTERRUPTED

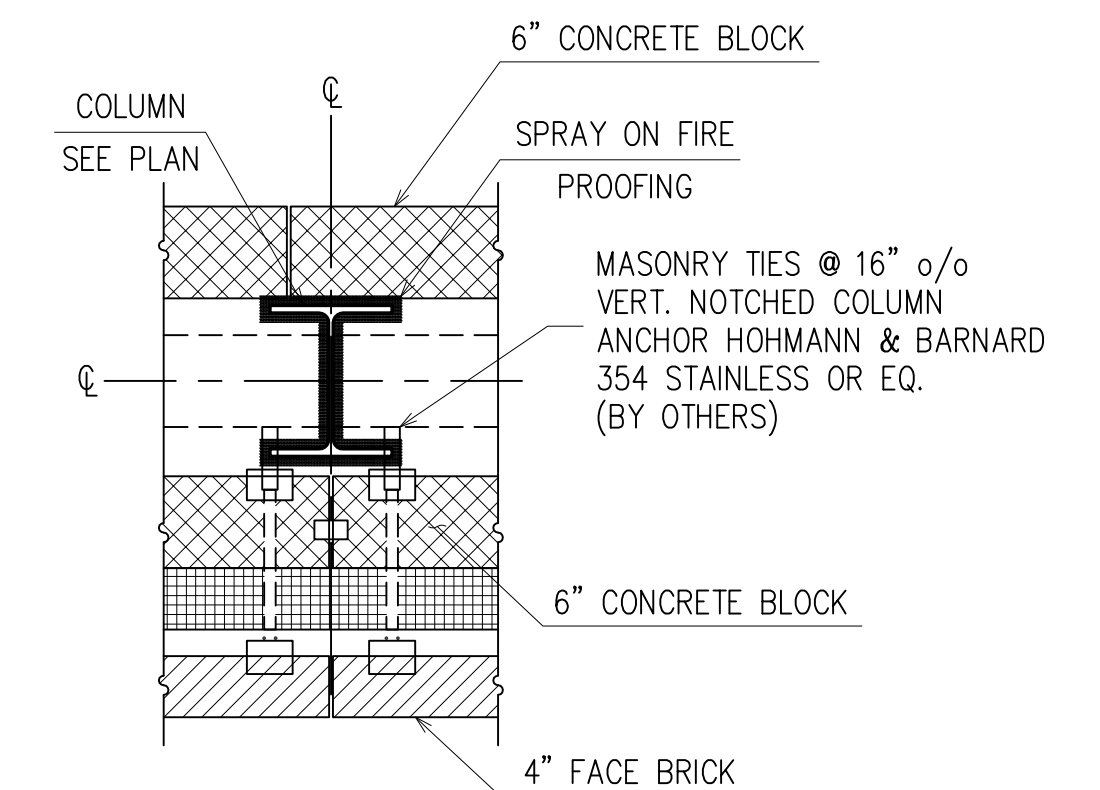
- NOTES :
1. APPLICABLE FOR ALL UNFRAMED OPENINGS GREATER THAT 2'-0", U.O.N. ON PLAN.
 2. THIS DETAIL TO BE USED FOR BOTH RECTANGULAR AND CIRCULAR OPENINGS.
 3. FOR LOCATION OF ANY OPENING NOT SHOWN ON FRAMING PLANS, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.

TYPICAL METAL DECK DETAILS @ OPENINGS
(REF : 8/S402.00)

- NOTES:
1. PROVIDE DECK SUPPORT ANGLES AT THE MOMENT CONNECTIONS THAT HAVE BOLTED TOP PLATES TO THE BEAMS THAT DO NOT PROPERLY SUPPORT THE DECK FOR THE CONCRETE POUR.
 2. ALL PLATE WASHERS WILL BE A MINIMUM OF 3/16" THICK.



TYPICAL DETAIL OF INTERFERENCE OF DECK SUPPORT
(REF : 3/S402.00)



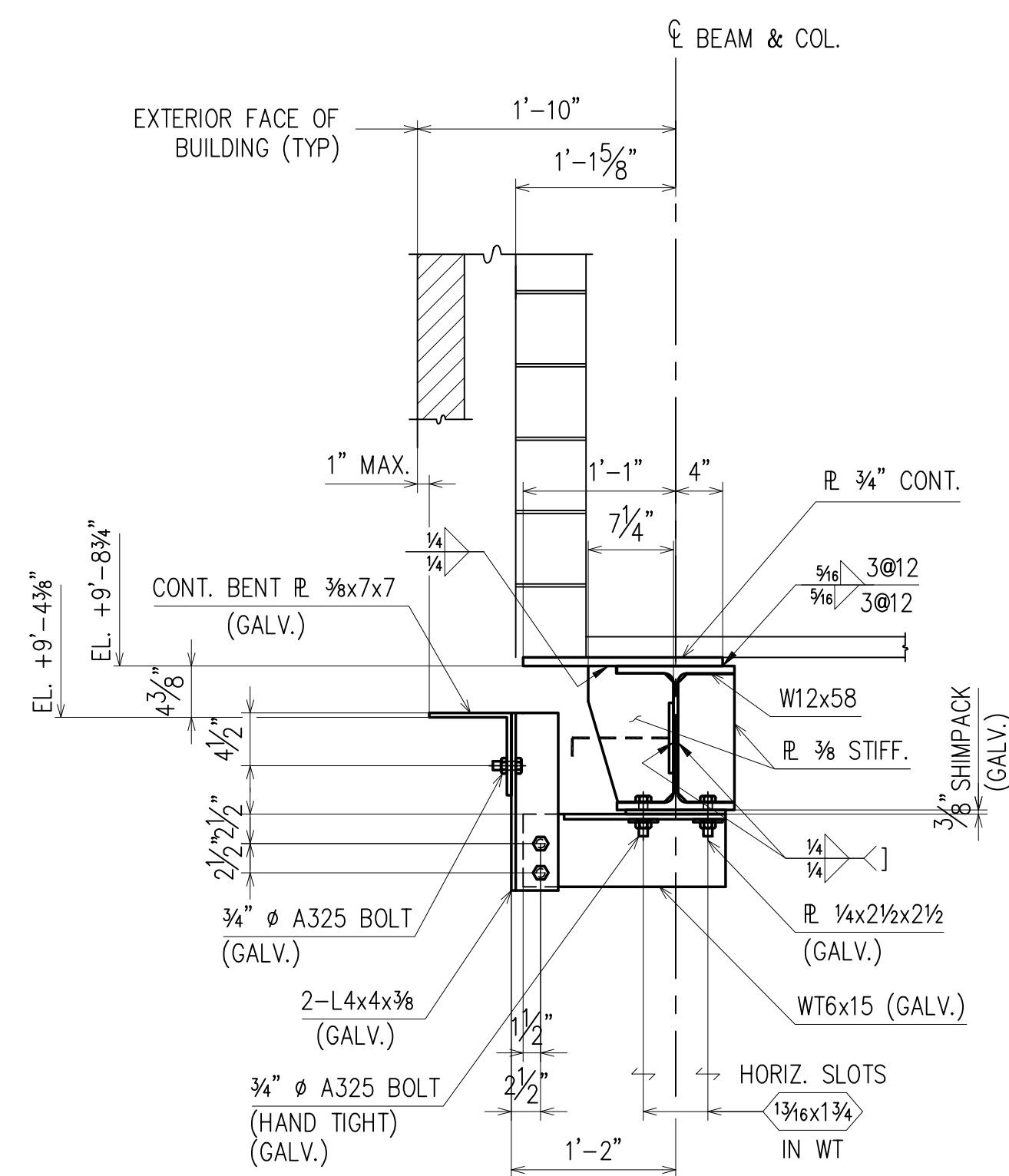
TYPICAL PLAN DETAIL AT EXTERIOR MASONRY WALL
(REF : 2/A410.00)

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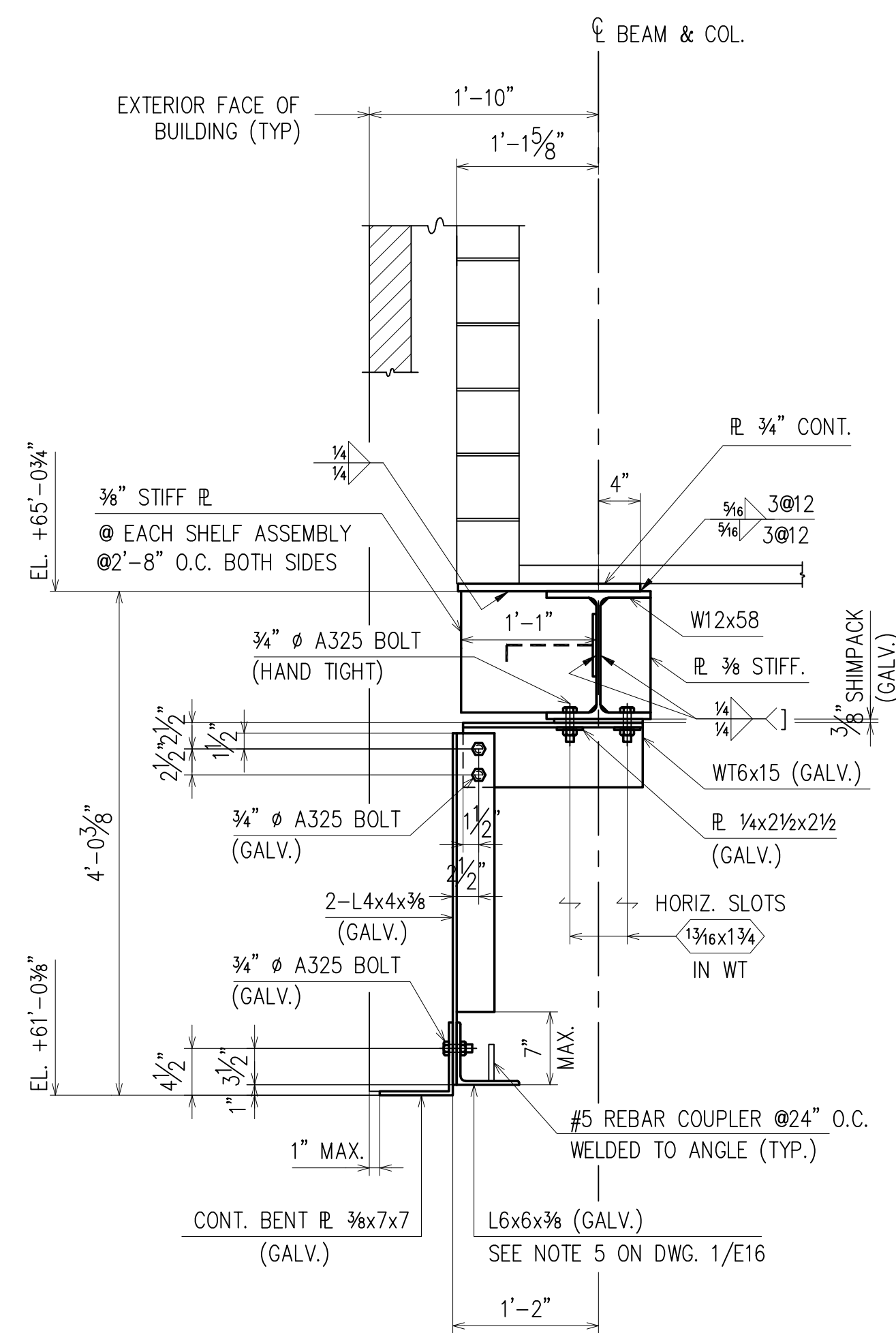
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DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey 08360	
Phone: (856) 794-9474	
Fax: (856) 696-2027	

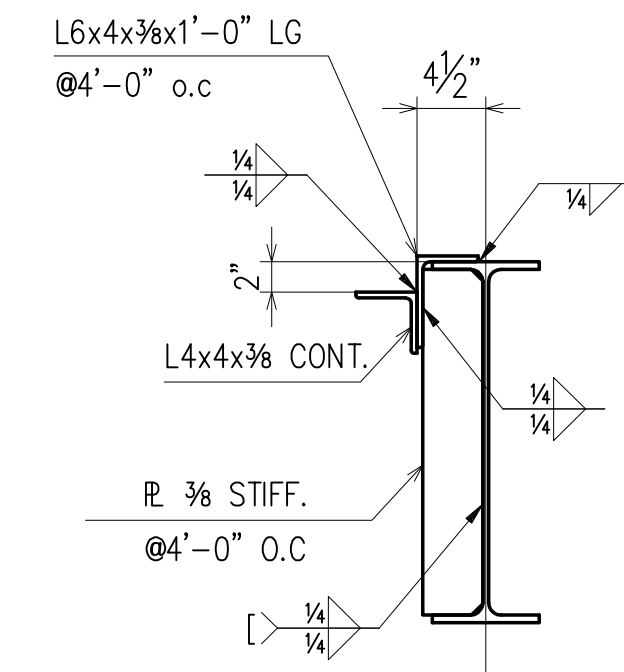
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MATERIAL:	10/18/10	PER CHECK				4th APPVL
HOLES:	10/11/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		3rd APPVL
ELECTRODES:	8/23/10	FOR APPROVAL	1/21/11	PER CHECK/ FOR FIELD USE		2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL
SC	BC	BCSC	REVISIONS		DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.						
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525						
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO	
DATE 8/02/10	LOCATION:	BROOKLYN, NY			S-976	
CHECKED ARS	DWG TITLE:	TYPICAL DETAILS			DWG NO	
DATE 10/18/10					E24	



SECTION 1
(RE:SK100510)
(E2)



SECTION 2
(RE:5/S201)
(E6)



SECTION 3
(RE:1/S402)
(E1)

NOTE:
1. PROVIDE THIS DETAIL WHEREVER UNDERSIDE OF DECK IS LOWER THAN TOP OF SUPPORTING BEAM (UNLESS SPECIFIC SECTION OR DETAIL IS SHOWN)

NOTE:
FOR BALANCE OF SHELF ANGLE ASSEMBLY INFORMATION AND NOTES, SEE SECTION 1/E16.

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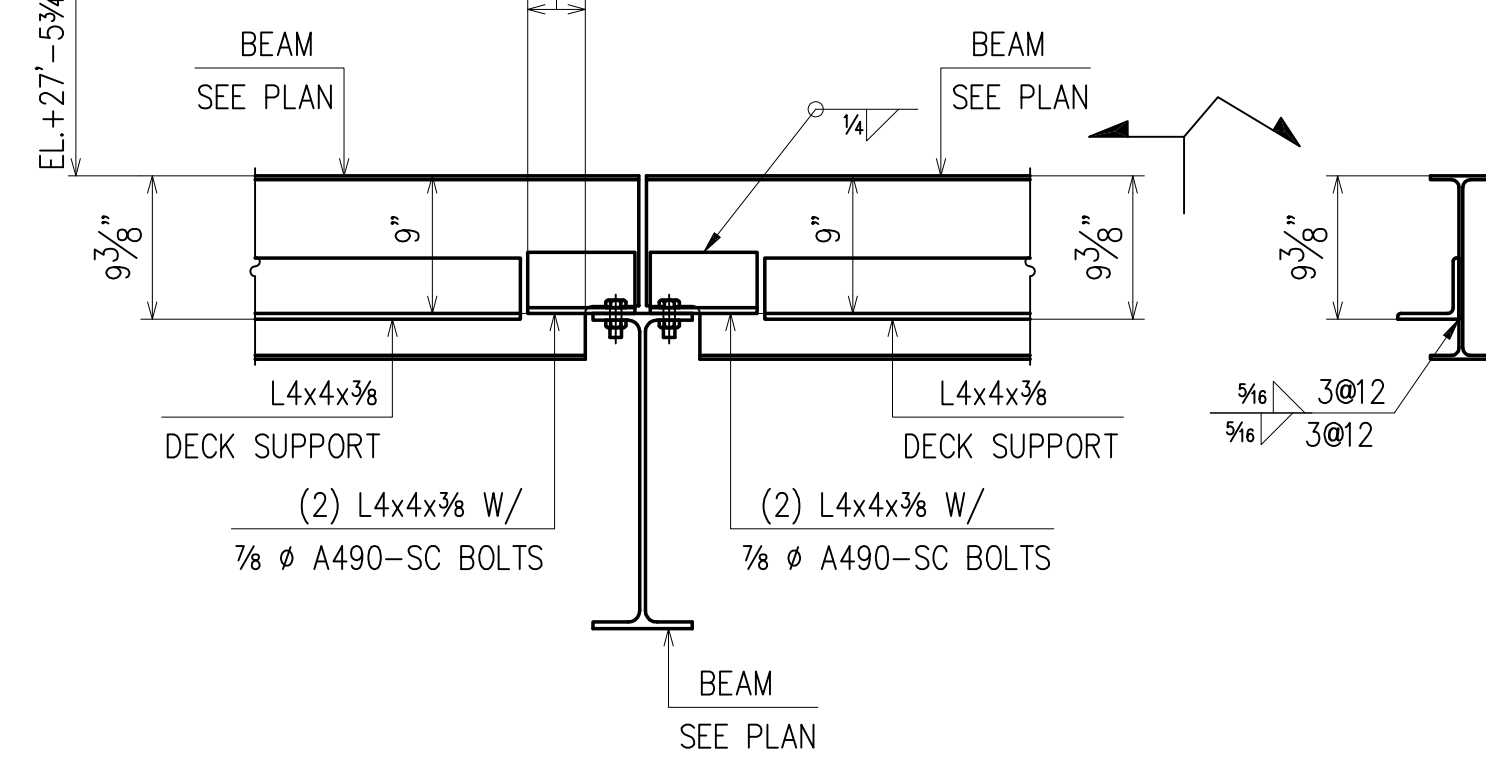
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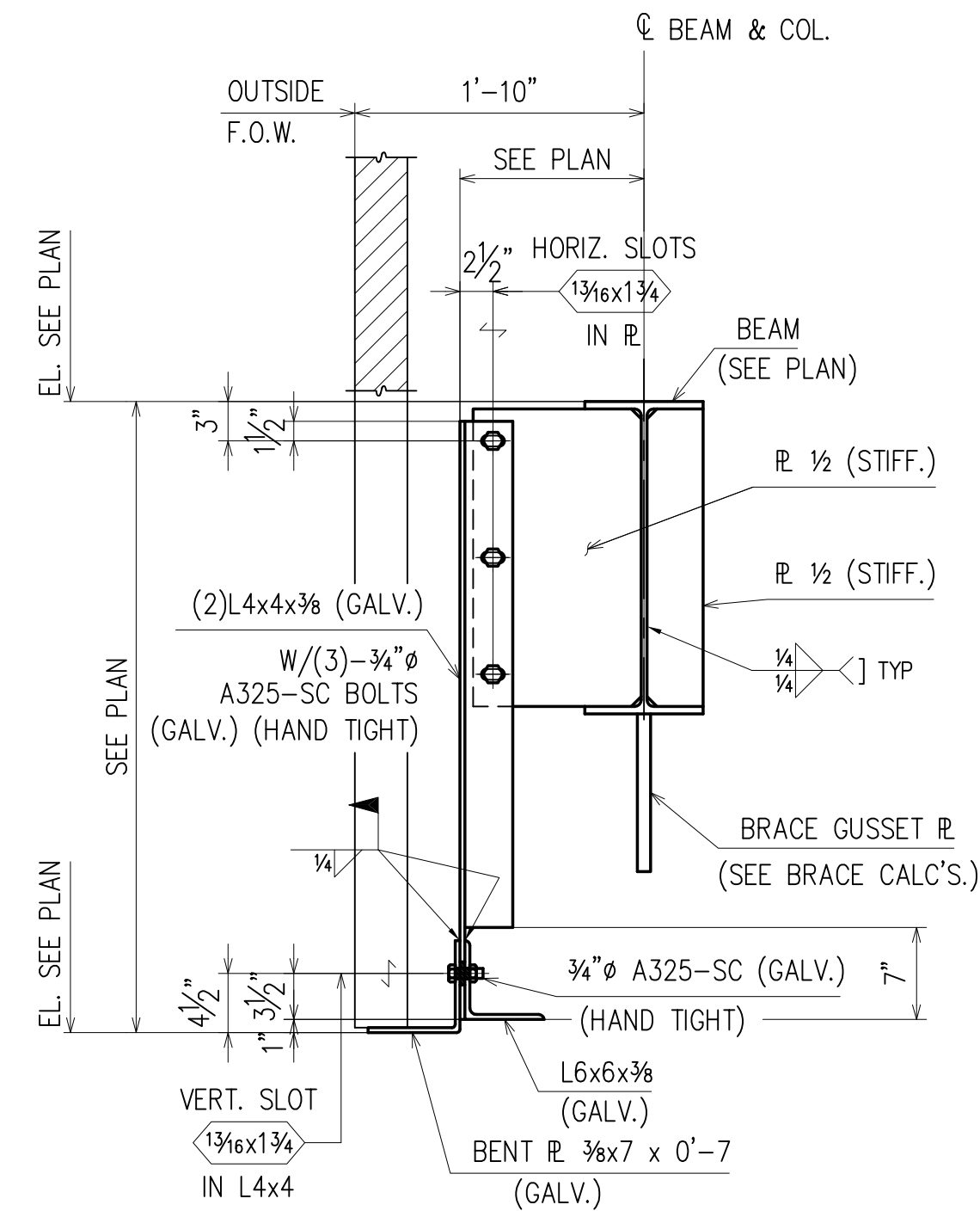
DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey	08360
Phone: (856) 794-9474	
Fax: (856) 696-2027	

PAIN:	1/21/11	PER CHECK/ FOR FIELD USE				FOR FIELD	
MATERIAL:	11/3/10	PER APPVL COMM.				4th APPVL	
HOLES:	10/18/10	PER CHECK				3rd APPVL	
ELECTRODES:	10/11/10	FOR APPROVAL	2/1/11	PER REC INFO/ FOR FIELD USE		2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER: WEIR WELDING CO., INC.							
316 12th STREET CARLSTADT, NJ 07072 PHONE: (201) 939-2284 FAX: (201) 939-5525							
DRAFTER DS	PROJECT:	PRIMARY SCHOOL 310			CONTRACT NO		
DATE 9/27/10	LOCATION:	BROOKLYN, NY			S-976		
CHECKED ARS	DWG TITLE:	SECTIONS			DWG NO		
DATE 10/18/10					E26		

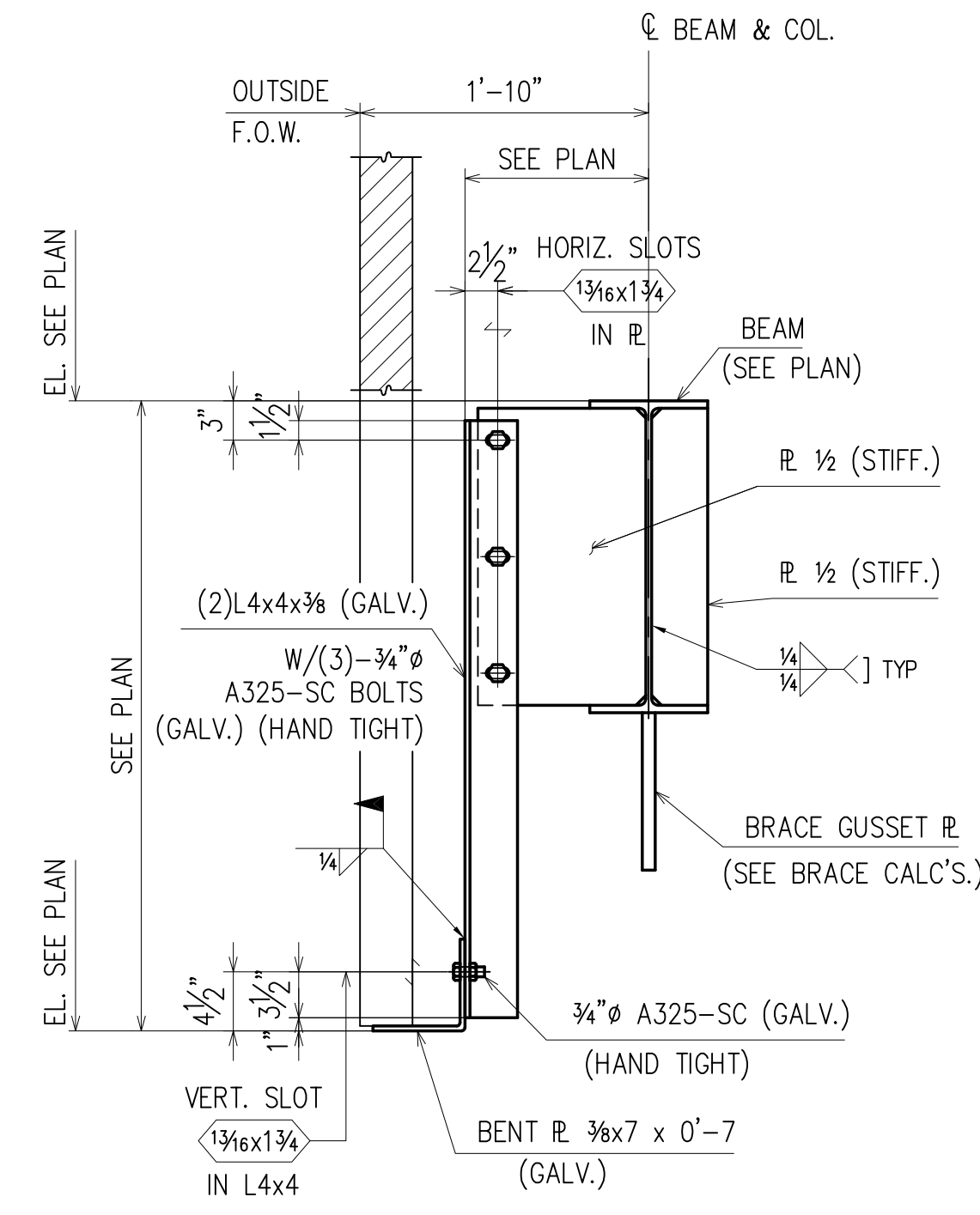
THIS DISTANCE MUST BE AT LEAST THE SAME AS THE COPE TO CLEAR THE FLANGE



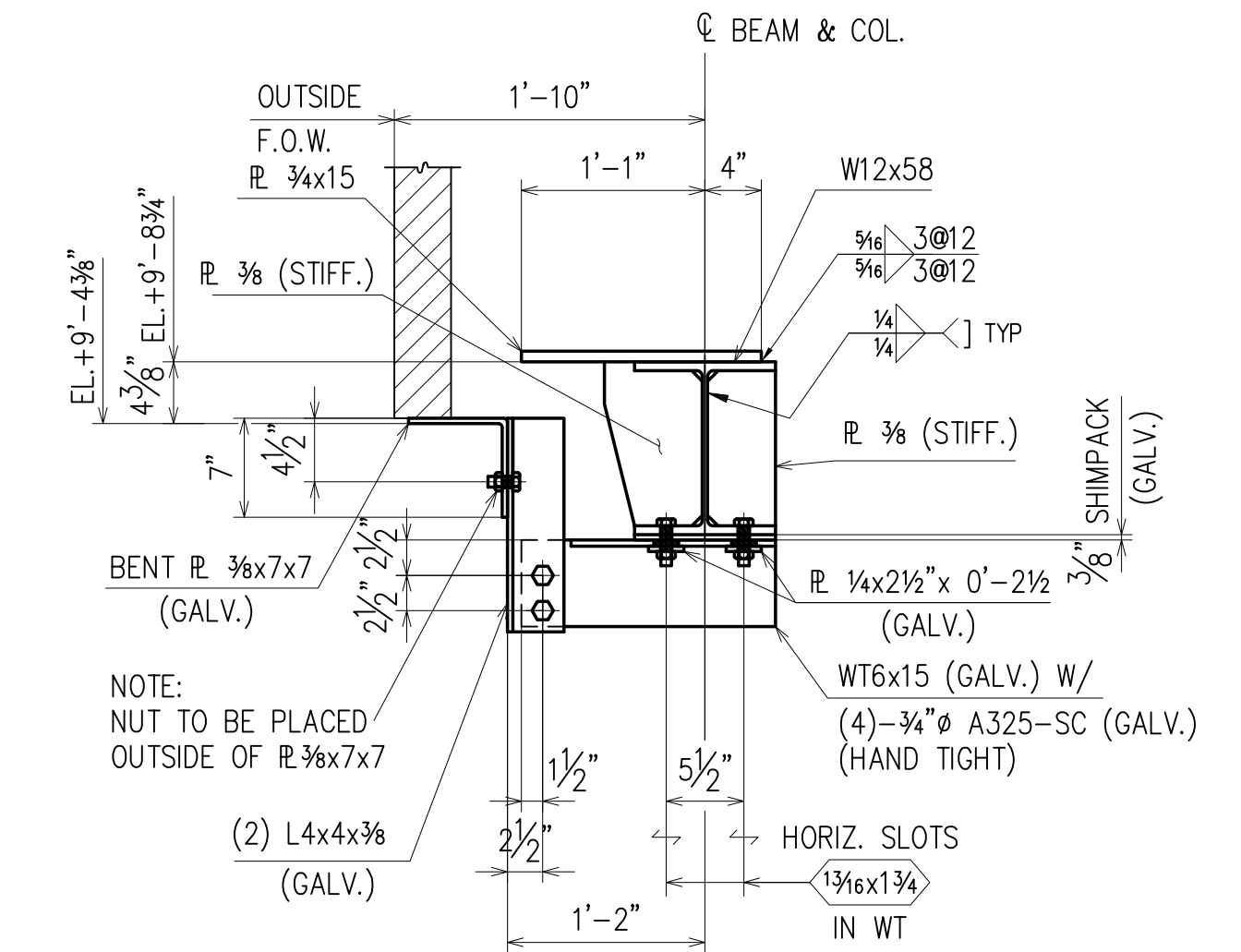
SECTION 1
(E3) E27



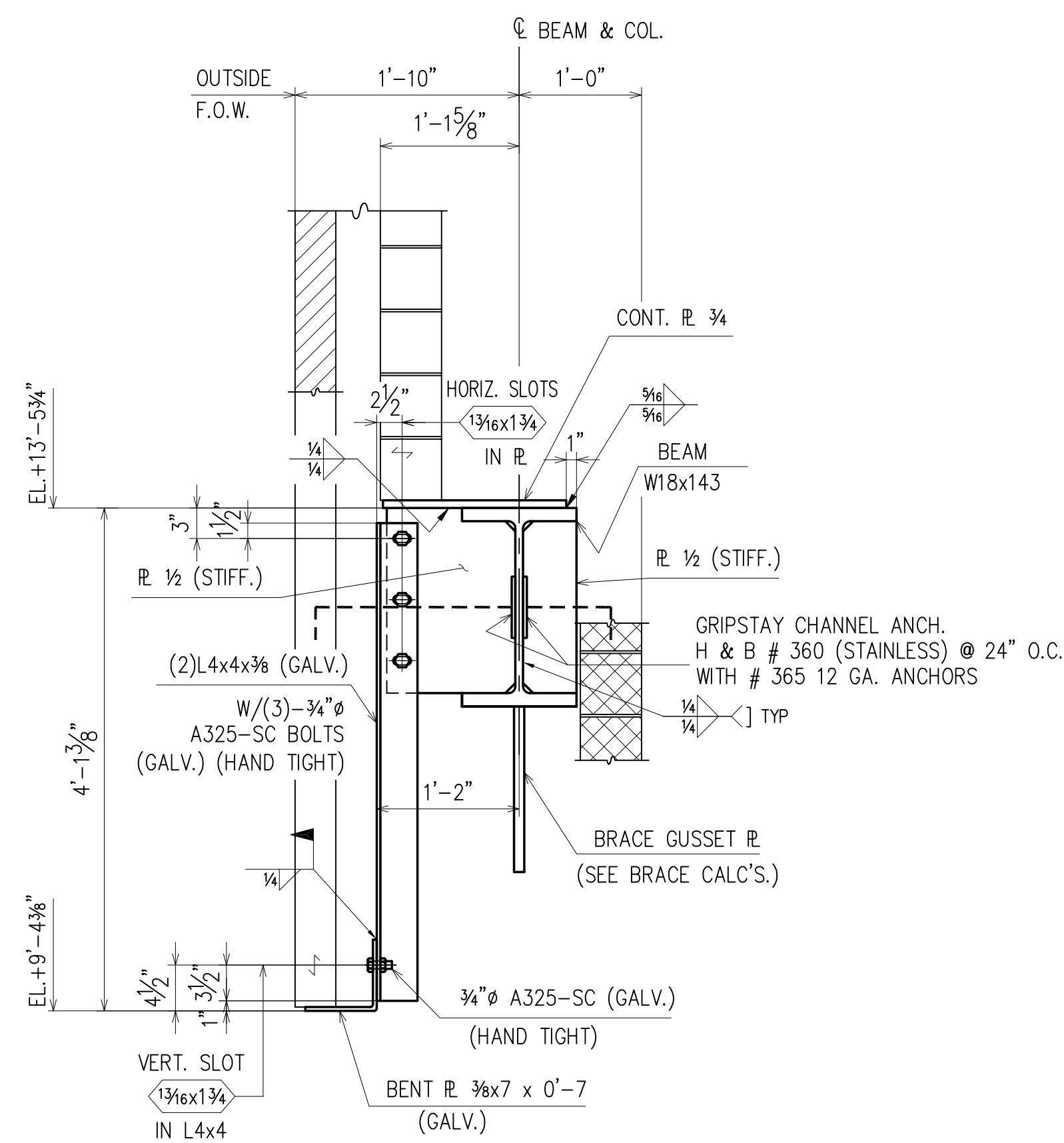
SECTION 2
(REF : SK100410)
(E4, & E6) E27



SECTION 3
(REF : SK100410)
(E2, E3, E4, E5 & E6) E27



SECTION 4
(REF : 5/S201)
(E2) E27



SECTION 5
(REF : SK100410)
(E2) E27

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Phone: (856) 794-9474
Fax: (856) 696-2027

PAIN:					FOR FIELD
MATERIAL:	2/7/11	PER REC INFO/ FOR FIELD USE			4th APPVL
HOLES:	1/21/11	PER CHECK/ FOR FIELD USE			3rd APPVL
ELECTRODES:	10/13/10	PER CHECK			2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

CUSTOMER: **WEIR WELDING CO., INC.**
316 12th STREET CARLSTADT, NJ 07072
PHONE: (201) 939-2284 FAX: (201) 939-5525

DRAFTER DS	PROJECT: PRIMARY SCHOOL 310	CONTRACT NO S-976
DATE 10/13/10	LOCATION: BROOKLYN, NY	DWG NO
CHECKED ARS	DWG TITLE: SECTIONS	E27
DATE 10/13/10		