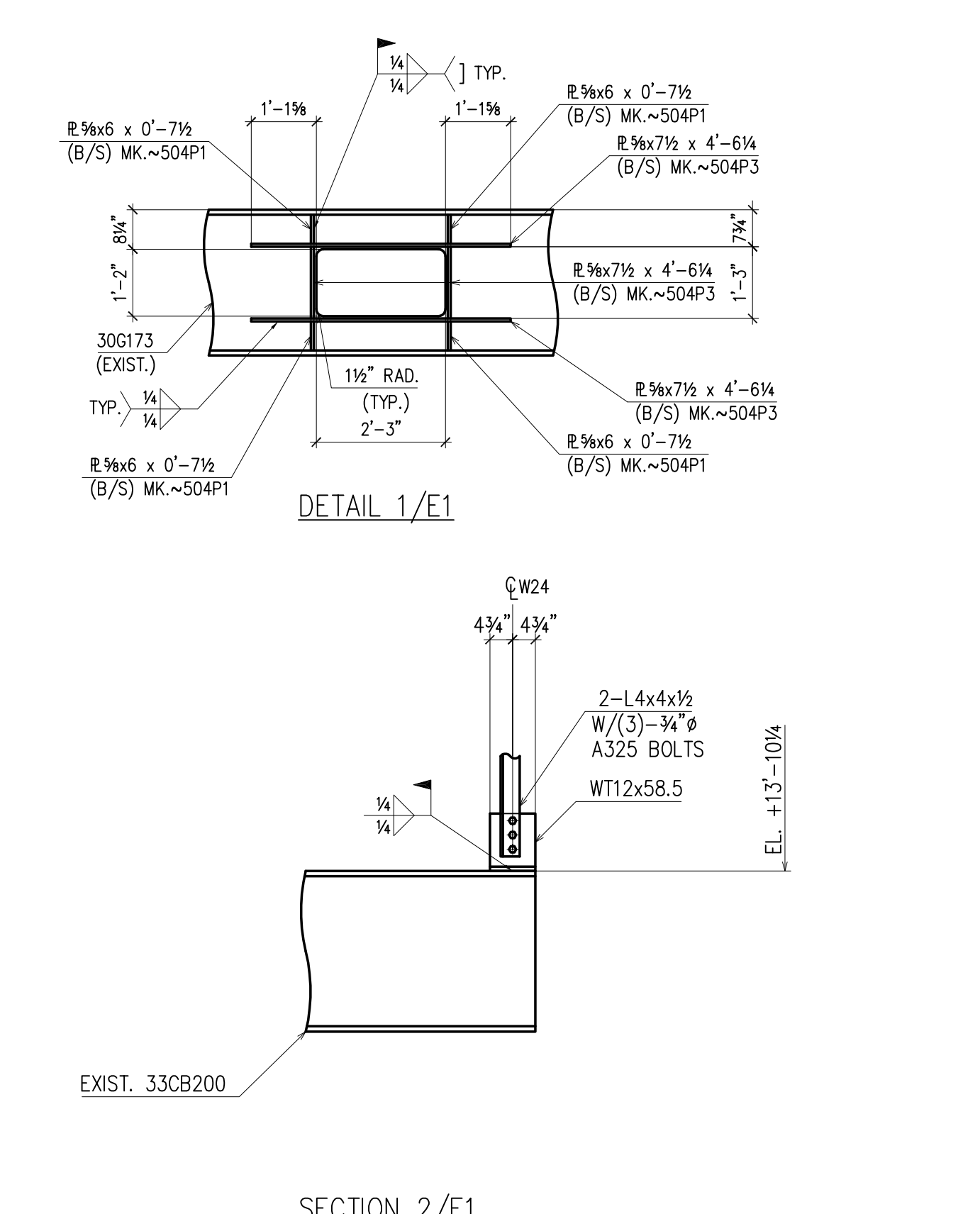




NOTES:

1. ALL ELEVATIONS ARE TAKEN FROM DATUM (+0'-0") (ACTUAL 22.00').
2. TOP OF STEEL NOTED THUS (+X'-X") ON PLAN.
3. — — — ~DENOTES EXIST. BEAM. TOP OF EXISTING BEAM ELEVATIONS VARY.
MUST BE FIELD VERIFIED.
4. ~DENOTES BEAM PENETRATION. SEE TYP. DETAIL 10/E7.
5. ~DENOTES DROP IN SLAB ELEVATION.
6. ENCASED OR EMBED BEAMS TO RECEIVE "NO PAINT".
7. SEE DRAWINGS E7 & E8 FOR TYPICAL DETAILS & SECTIONS.
8. SEE DRAWINGS E13 & E14 FOR BRACING ELEVATIONS.
9. WP-X ~DENOTES EMBED WALL PLATE. SEE DWG. E8 FOR SCHEDULE & DETAILS.
10. * ~DENOTES TOP OF STEEL ELEVATION TO BE AT UNDERSIDE OF EXISTING SLAB.
(TO BE DETERMINED IN FIELD)

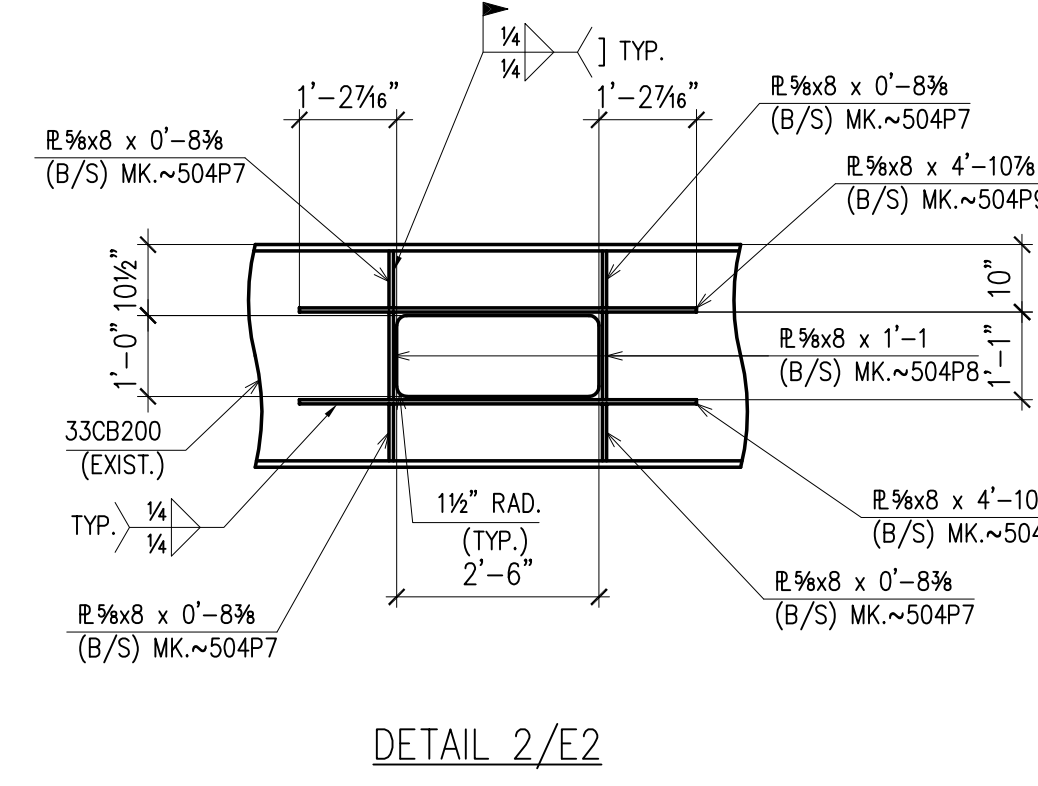
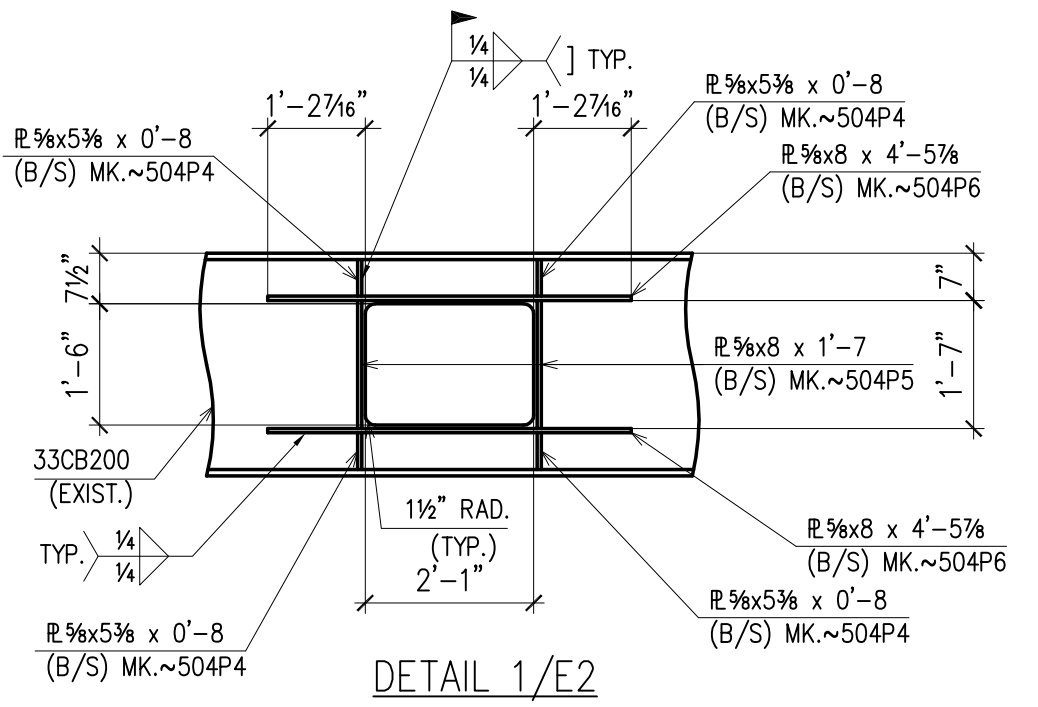
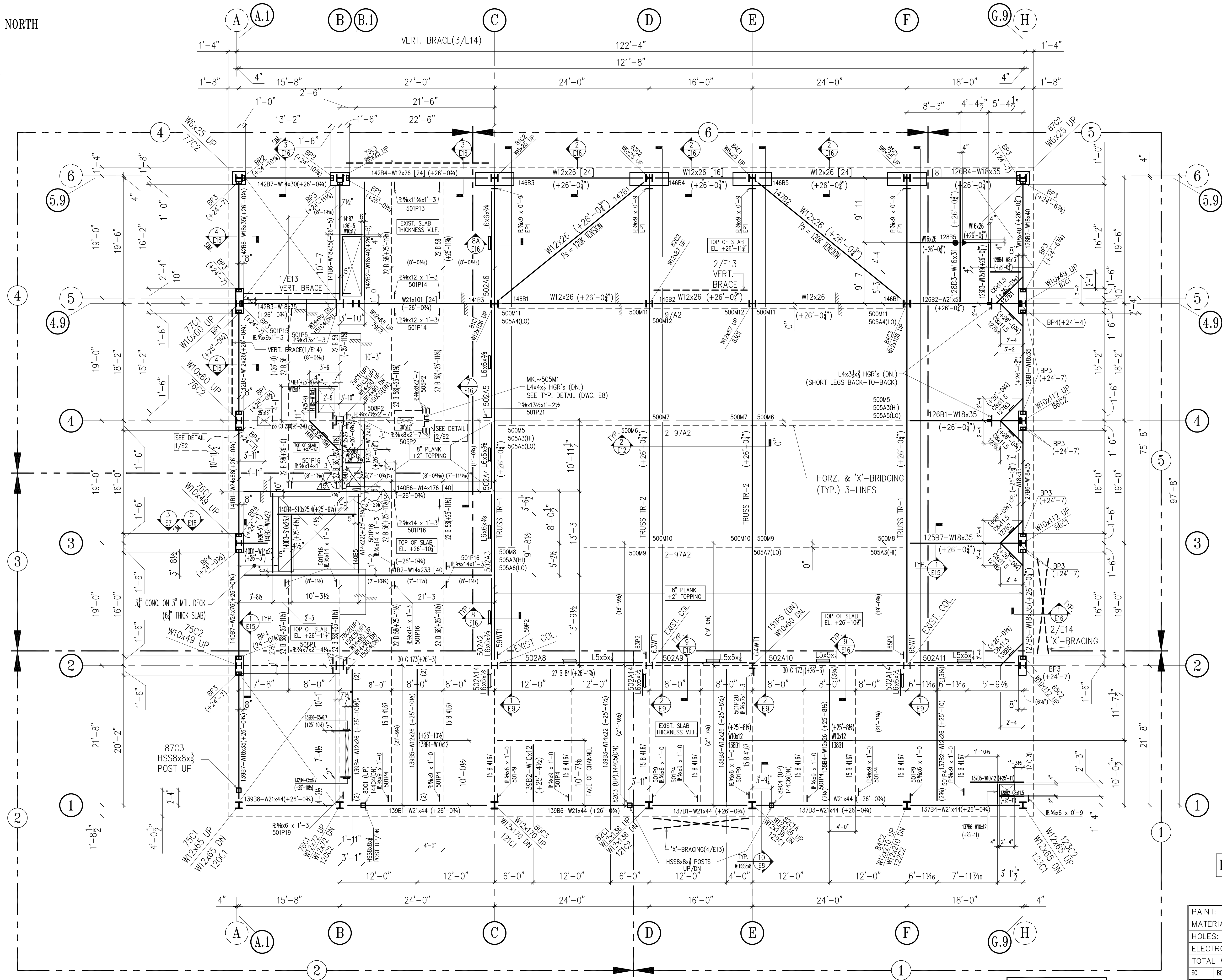
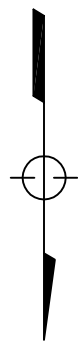
MATERIAL
WF: A992 Gr.50
HSS RECTANGULAR/SQUARE: A500 Gr.B Fy=46 ksi
HSS ROUND: A53 Gr.B Fy=42 ksi
BALANCE: A36

PAINT: ONE SHOP COAT (U.N.O.)		12/18/12	PER APPVL COMM.	1/7/12	REMOVE STIFFENERS FOR FIELD USE	FOR
MATERIAL:		12/17/12	FOR FIELD USE	1/3/12	ADD SECTION 2/E1 FOR FIELD USE	4th
HOLES:		11/28/12	ADD PIECE MARKS	1/2/13	PER REC INFO	3rd
ELECTRODES:		9/5/12	PER REC INFO	12/12/12	REVISE PIECE MARK	2nd
TOTAL WEIGHT		NO	DATE	DESCRIPTION	NO	DATE
SC	BC	BCSC	REVIEWS			DATF
						ISS

CUSTOMER:		WEIR WELDING CO. INC.		316 12TH STREET PHONE: (201) 939-2284		CARLSTADT, NJ 07072 FAX: (201) 939-5525	
DRAFTER	D5	PROJECT:	SACRED HEART CHURCH				CONTRACT
DATE	12/6/11	LOCATION:	406 EAST 91ST STREET, NY, NY 10128				S-10
CHECKED	ARS	DWG TITLE:	SECOND FLOOR FRAMING PLAN				DWG NO
DATE	6/22/12						

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

ERECTOR'S NORTH



THIRD FLOOR FRAMING PLAN

(REF : S-103)

- NOTES:
- ALL ELEVATIONS ARE TAKEN FROM DATUM (+0'-0") (ACTUAL 22.00').
 - TOP OF STEEL NOTED THUS (+X'-X") ON PLAN.
 - ~DENOTES EXIST. BEAM. TOP OF EXISTING BEAM ELEVATIONS VARY. *MUST BE FIELD VERIFIED.*
 - ~DENOTES BEAM PENETRATION. SEE TYP. DETAIL 10/E7.
 - ~DENOTES DROP IN SLAB ELEVATION.
 - ENCASED OR EMBED BEAMS TO RECEIVE "NO PAINT".
 - SEE DRAWINGS E7 & E8 FOR TYPICAL DETAILS & SECTIONS.
 - SEE DRAWINGS E13 & E14 FOR BRACING ELEVATIONS.
 - [X] ~DENOTES BEAM TO RECEIVE 3/4" Ø HEADED STUDS (NO PAINT TOP FLG.) (NOTE: REFER TO SECTIONS, STUDS TO BE SHOP WELDED IF BEAM IS ENCASED)
 - ~DENOTES MOMENT CONNECTION. SEE TYP. DETAILS ON DWG. E8
 - WP-X ~DENOTES EMBED WALL PLATE. SEE DWG. E8 FOR SCHEDULE & DETAILS.
 - * ~DENOTES TOP OF STEEL ELEVATION TO BE AT UNDERSIDE OF EXISTING SLAB. (TO BE DETERMINED IN FIELD)
 - SEE 1/E7 FOR TYPICAL COLUMNS SPLICE DETAIL
 - ~ DENOTES FIELD WELDED MOMENT CONN., SEE 11/E8

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

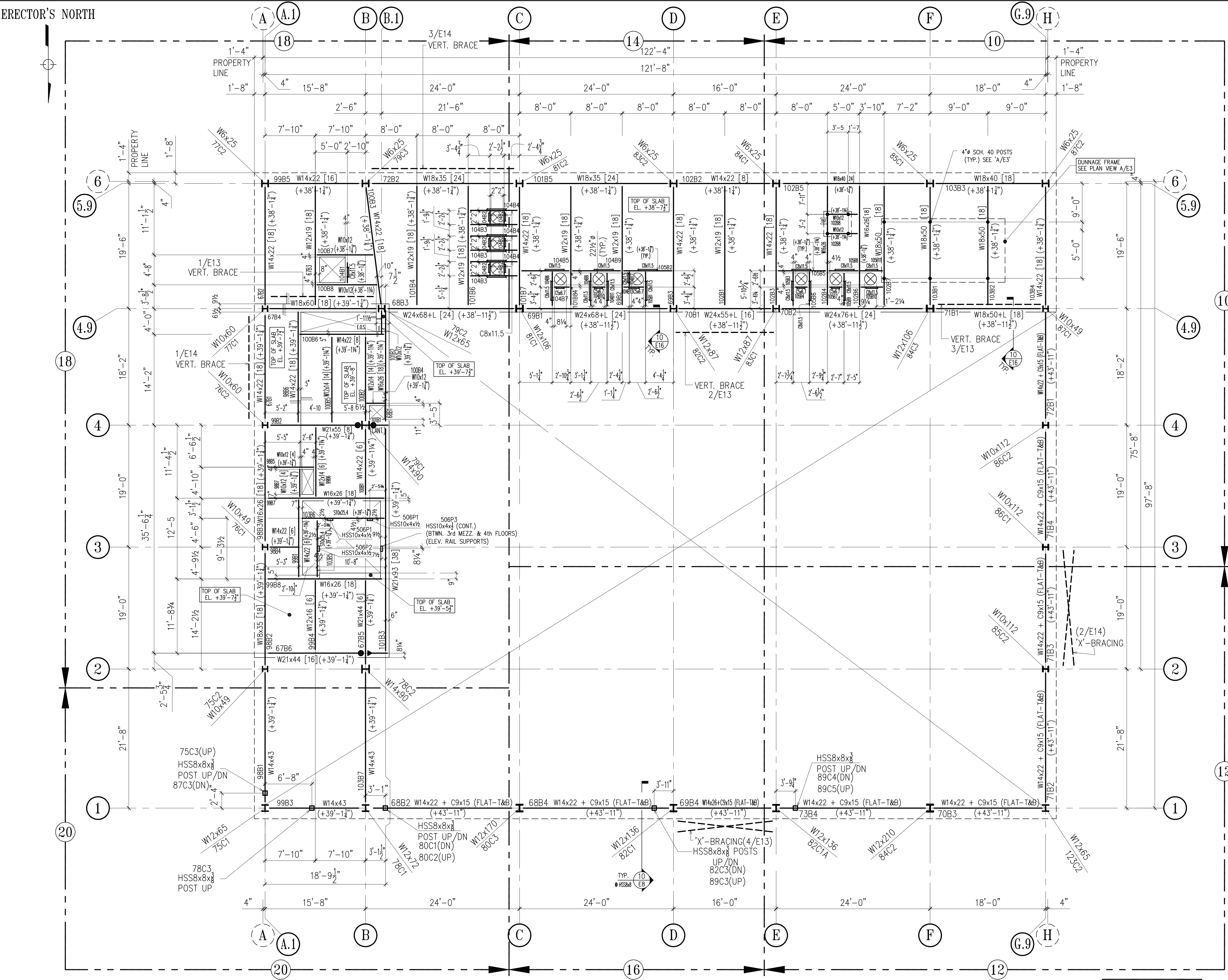
APPROVAL/REVIEW AUTHORITY:
IT REPRESENTS OUR INTERPRETATION OF THE INTENT OF THE CONTRACT DOCUMENTS. HOWEVER, THE STEEL FABRICATOR AND THE STRUCTURAL STEEL DETAILER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING. THIS IS THE RESPONSIBILITY OF THE BUYER.
IT WILL BE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

PAINT:		1/3/13	PER CHECK/ FOR FIELD USE		4/29/13	PER BULLETIN #12/ FOR FIELD USE		FOR FIELD
MATERIAL:		1/2/13	PER REC INFO		3/21/13	PER BULLETIN #12/ FOR FIELD USE		4th APPVL
HOLES:		12/21/12	REVISE PIECE MARK		1/14/13	REVISE PIECE MARK/ FOR FIELD USE	6/4/12	3rd APPVL
ELECTRODES:		12/18/12	PER APP. COMM.		1/7/13	REMOVE STIFFENERS FOR FIELD USE	2/1/12	2nd APPVL
TOTAL WEIGHT		NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	2/1/12	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: SACRED HEART CHURCH						CONTRACT NO	
DATE 12/6/11	LOCATION: 406 EAST 91ST STREET, NY, NY 10128						S-1019	
CHECKED ARS	DWG TITLE: THIRD FLOOR FRAMING PLAN						DWG NO	
DATE 6/22/12							E2	

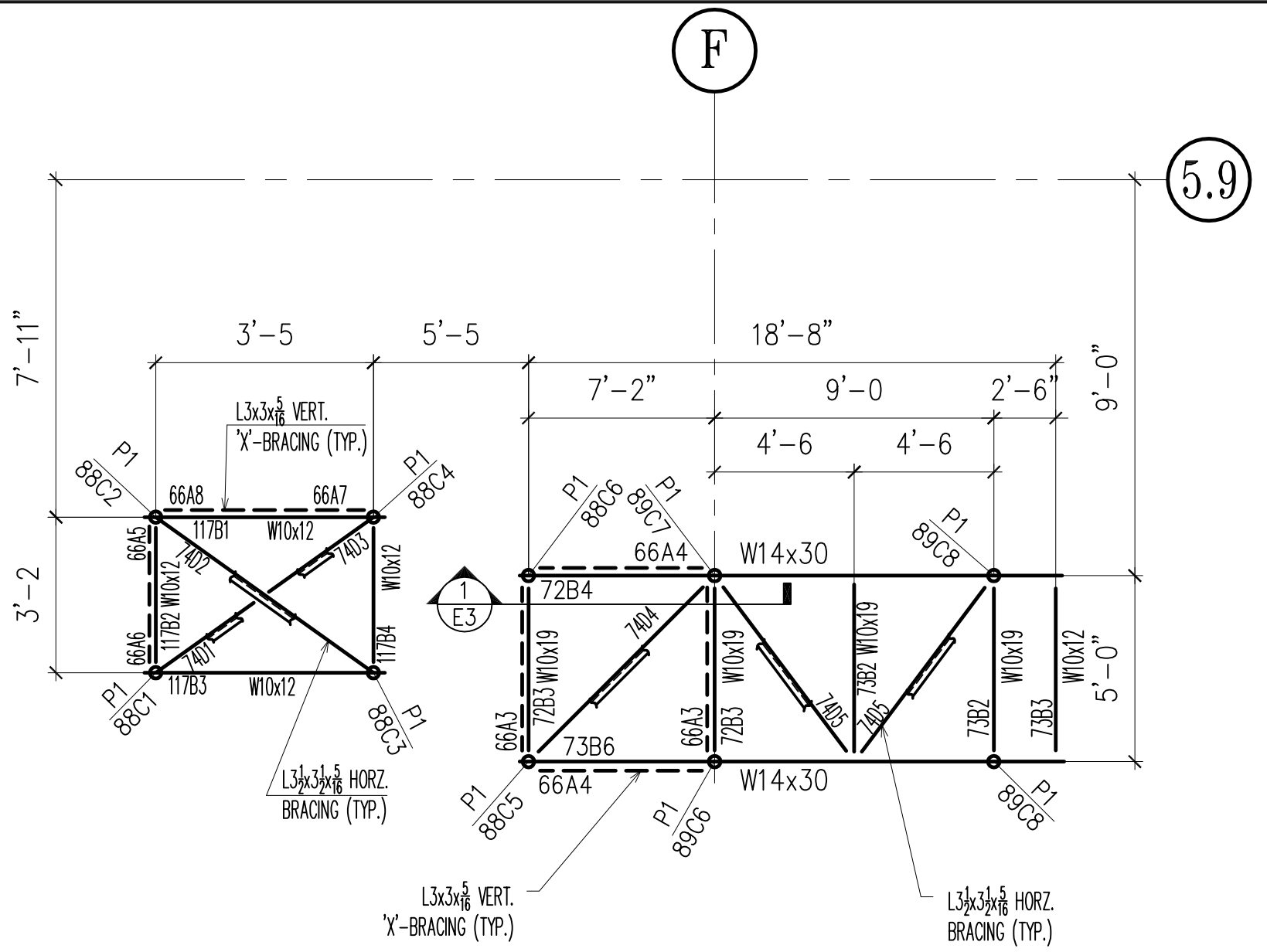
RECTOR'S NORTH



THIRD FLOOR MEZZANINE FRAMING PLAN
(REF : S-104)

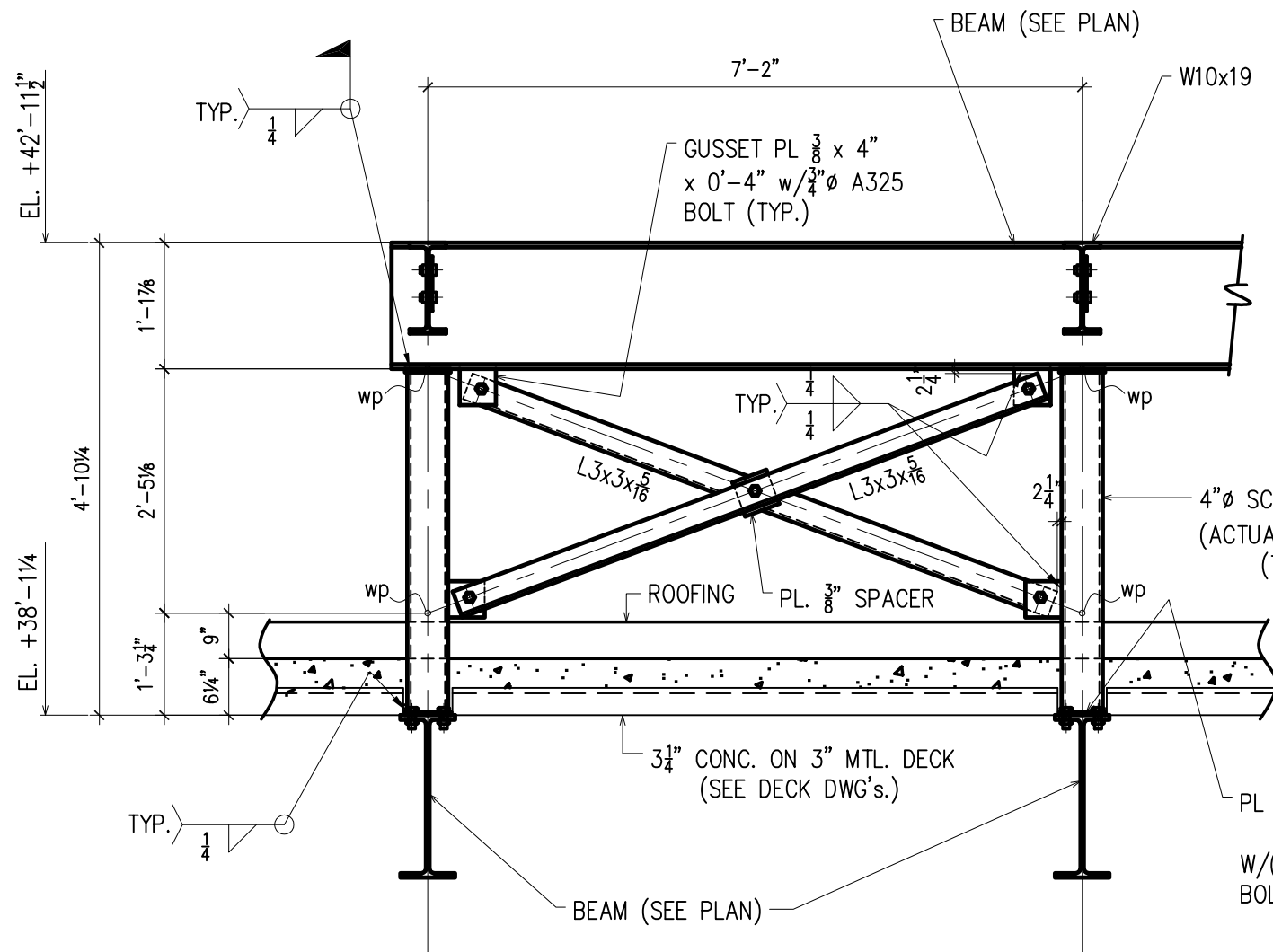
- NOTES:
- ALL ELEVATIONS ARE TAKEN FROM DATUM (+0'-0") (ACTUAL 22.00').
 - TOP OF STEEL NOTED THUS (+X'-X") ON PLAN.
 - SEE DWG. E2 FOR BALANCE OF NOTES.
 - SLAB THICKNESS TO BE 6 1/2" (U.N.O.)
 - DENOTES FIELD WELDED MOMENT CONN. SEE 11/E8

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



PLAN VIEW
DUNNAGE FRAMES
A/E3

- NOTES:
- T.O.S. AT DUNNAGE FRAME IS TO BE (+42'-11 1/2") A.F.F.
 - P1 ~ DENOTES 4" SCH. 40 PIPE COLUMN.
 - DUNNAGE STEEL TO BE PAINTED



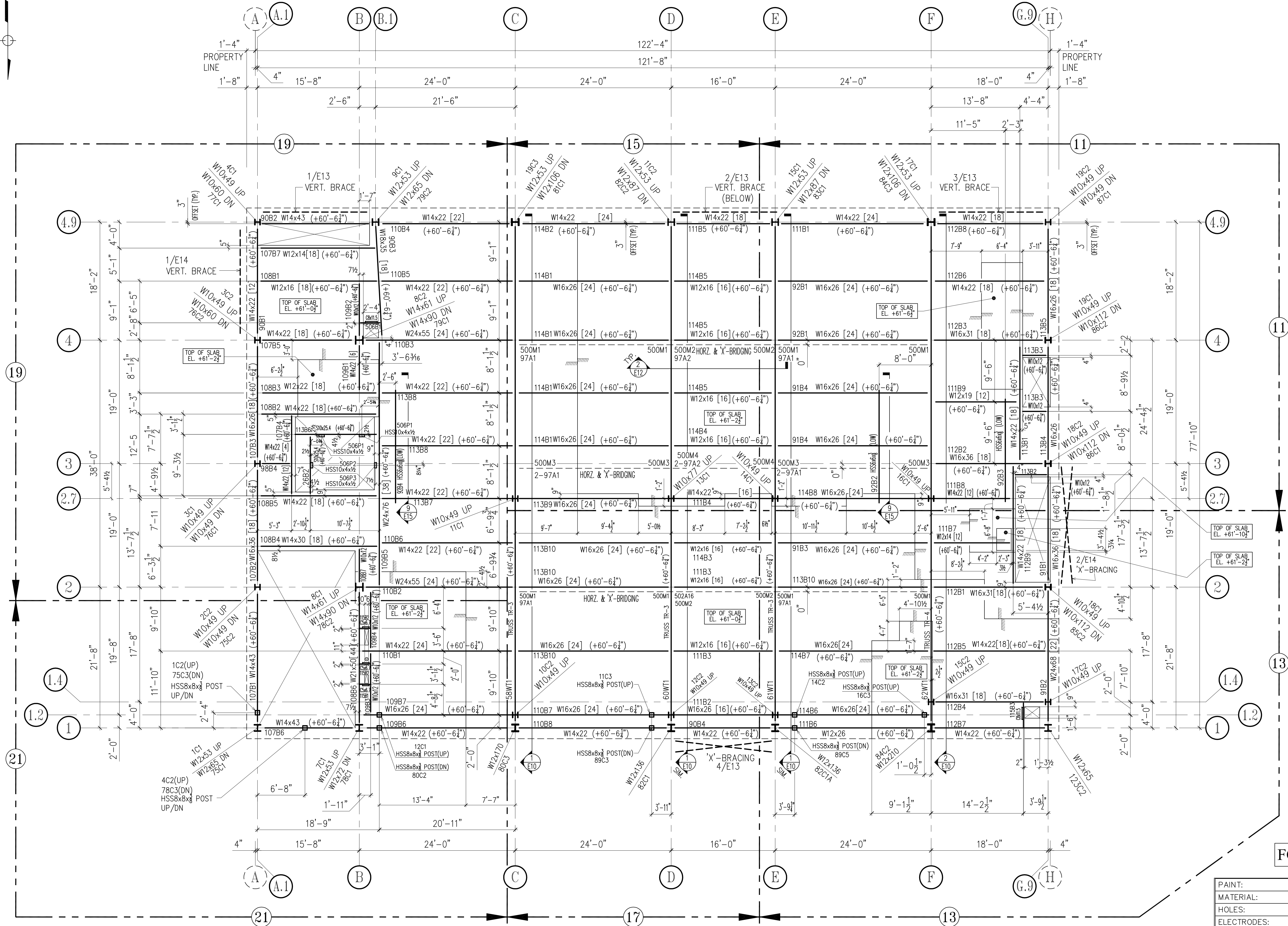
SECTION
TYP. DUNNAGE SUPPORT DETAIL
1/E3

FOR FIELD USE

APPROVAL/REVIEW AUTHORITY:
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PAINT:			3/25/12	ADD PIECE MARKS		1/13/13	PER CHECK/ FOR FIELD USE		FOR FIELD
MATERIAL:			9/14/12	PER APPVL COMM.		12/21/12	REVISE AS NOTED/ FOR FIELD USE		4th APPVL
HOLES:			6/28/12	PER CHECK		12/17/12	FOR FIELD USE	6/1/12	3rd APPVL
ELECTRODES:			6/7/12	PER APPROVAL		10/25/12	ADD PIECE MARKS	2/7/12	2nd APPVL
TOTAL WEIGHT		NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION	2/1/12	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: SACRED HEART CHURCH						CONTRACT NO	
DATE	12/6/11	LOCATION: 406 EAST 91ST STREET, NY, NY 10128						S-1019	
CHECKED	ARS	DWG TITLE: THIRD FLOOR MEZZ. FRAMING PLAN						DWG NO	
DATE	6/28/12							E3	

ERECTOR'S NORTH



FOR FIELD USE

APPROVAL/REVIEW AUTHORITY:
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FOURTH FLOOR FRAMING PLAN
(REF : S-105)

- NOTES:
- ALL ELEVATIONS ARE TAKEN FROM DATUM (+0'-0") (ACTUAL 22.00').
 - TOP OF STEEL NOTED THUS (+X'-X") ON PLAN.
 - SEE DWG. E2 FOR BALANCE OF NOTES.
 - SLAB THICKNESS TO BE 6 1/2".
 - ~ DENOTES DROP IN SLAB ELEVATION.
 - +HSS ~ DENOTES HSS3x2x1/4 (LONG SIDE HORIZ.) (U.N.O.) WELDED TO TOP OF BEAM FOR DECK SUPPORT.
 - SEE 1/E7 FOR THE TYPICAL SPLICE DETAIL

DRAWINGS PREPARED BY:

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

PAIN:	6/28/12	PER CHECK	1/1/13	PER CHECK / FOR FIELD USE	FOR FIELD
MATERIAL:	6/7/12	PER APPROVAL	12/17/12	FOR FIELD USE	4th APPVL
HOLES:	5/7/12	PER APPROVAL	9/25/12	ADD PIECE MARKS	3rd APPVL
ELECTRODES:	4/10/12	LOCATED HSS8x8's	9/11/12	ADD PIECE MARKS	2nd APPVL
TOTAL WEIGHT:	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS	DATE	ISSUE

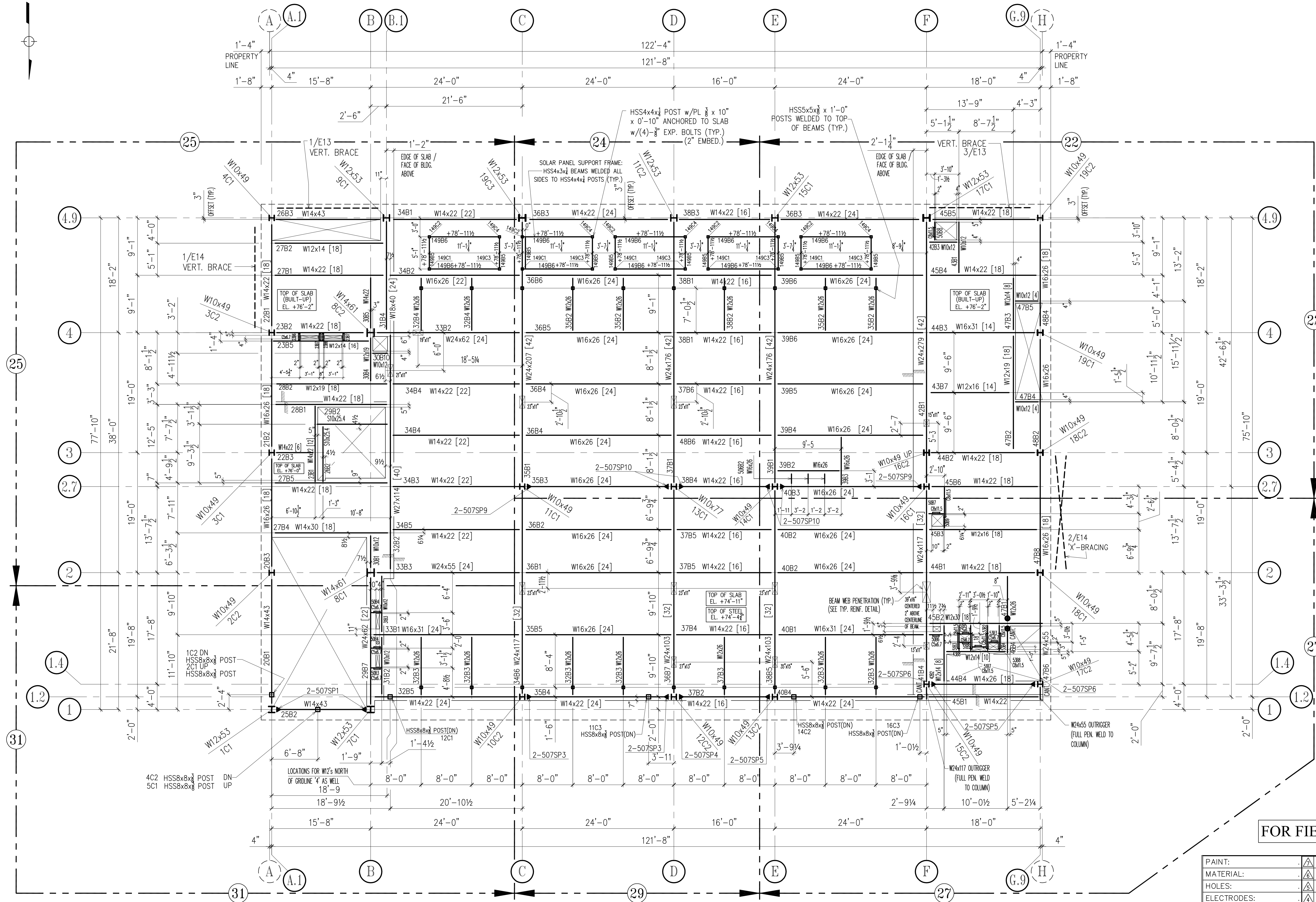
CUSTOMER:

WEIR WELDING CO. INC.

316 12th STREET CARLSTADT, NJ 07072
PHONE: (201) 939-2284 FAX: (201) 939-5525

DRAFTER DS	PROJECT: SACRED HEART CHURCH	CONTRACT NO. S-1019
DATE 12/6/11	LOCATION: 406 EAST 91ST STREET, NY, NY 10128	DWG NO. E4
CHECKED ARS	DWG TITLE: FOURTH FLOOR FRAMING PLAN	
DATE 6/28/12		

ERECTOR'S NORTH



ROOF FRAMING PLAN
(REF : S-106)

- NOTES:
1. ALL ELEVATIONS ARE TAKEN FROM DATUM (+0'-0") (ACTUAL 22.00').
 2. TOP OF STEEL ELEVATION TO BE (+74'-4 1/2") UNLESS NOTED OTHERWISE ON PLAN.
 3. SEE DWG. E2 FOR BALANCE OF NOTES.
 4. SLAB THICKNESS TO BE 6". NOTE THAT DIFFERENCES IN TOP OF SLAB ELEVATION ARE DUE TO BUILT-UP SLABS WHERE THICKNESS VARIES FROM 1'-1" TO 1'-3".
 5. SEE 10/E7 FOR TYPICAL BEAM PENETRATION DETAIL.
 6. ● DENOTES FIELD WELDED MOMENT CONN. SEE 11/E8

DRAWINGS PREPARED BY:

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

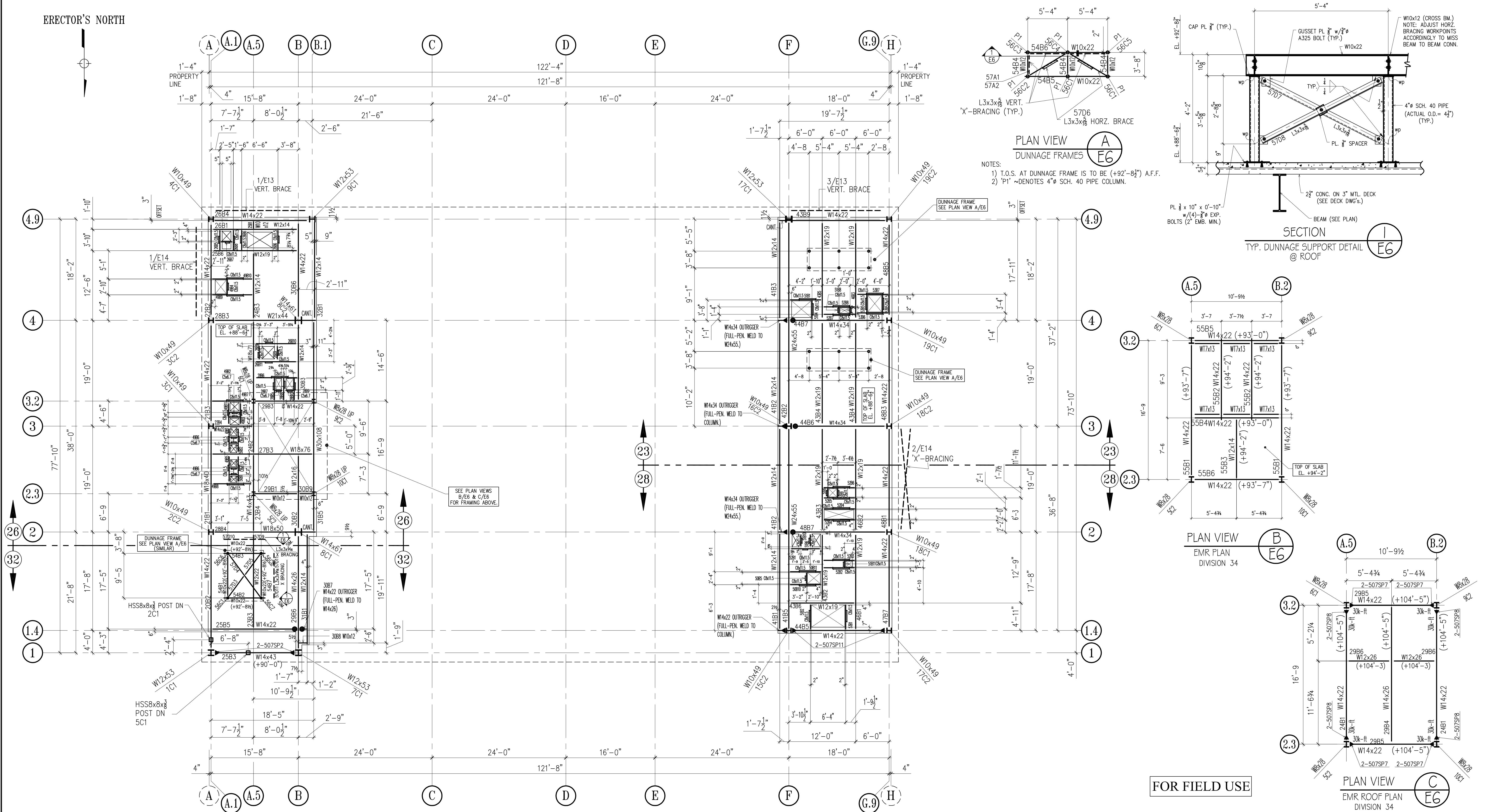
PAINT:	6/28/12	PER CHECK	1/3/12	PER CHECK/ FOR FIELD USE		FOR FIELD
MATERIAL:	6/7/12	PER APPVL	12/21/12	REVISE AS NOTED/ FOR FIELD USE		4th APPVL
HOLES:	5/7/12	PER APPVL	12/17/12	FOR FIELD USE	6/7/12	3rd APPVL
ELECTRODES:	4/10/12	CONTRACT REV'S	9/4/12	PER APPVL COMM.	2/7/12	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	2/7/12	1st APPVL
SC	BC	BCSC		REVISIONS	DATE	ISSUE

CUSTOMER:		WEIR WELDING CO. INC.	
316 12th STREET PHONE: (201) 939-2284		CARLSTADT, NJ 07072 FAX: (201) 939-5525	
DRAFTER D5	PROJECT:	SACRED HEART CHURCH	
DATE 12/6/11	LOCATION:	406 EAST 91ST STREET, NY, NY 10128	
CHECKED ARS	DWG TITLE:	ROOF FRAMING PLAN	
DATE 6/28/12		CONTRACT NO S-1019	
		DWG NO E5	

APPROVAL/REVIEW AUTHORITY:
PLEASE REVIEW THIS DRAWING CAREFULLY.
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

FOR FIELD USE

ERECTOR'S NORTH



MECH. ROOF FRAMING PLAN

(REF: S-107)

NOTES:

1. ALL ELEVATIONS ARE TAKEN FROM DATUM (+0'-0") (ACTUAL 22.00').
2. TOP OF STEEL EL.= (+88'-1") FROM DATUM (U.N.O.)
3. SEE DWG. E2 FOR BALANCE OF NOTES.
4. SLAB THICKNESS TO BE 5 1/2"
5. ● DENOTES FIELD WELDED MOMENT CONN. SEE 11/E8

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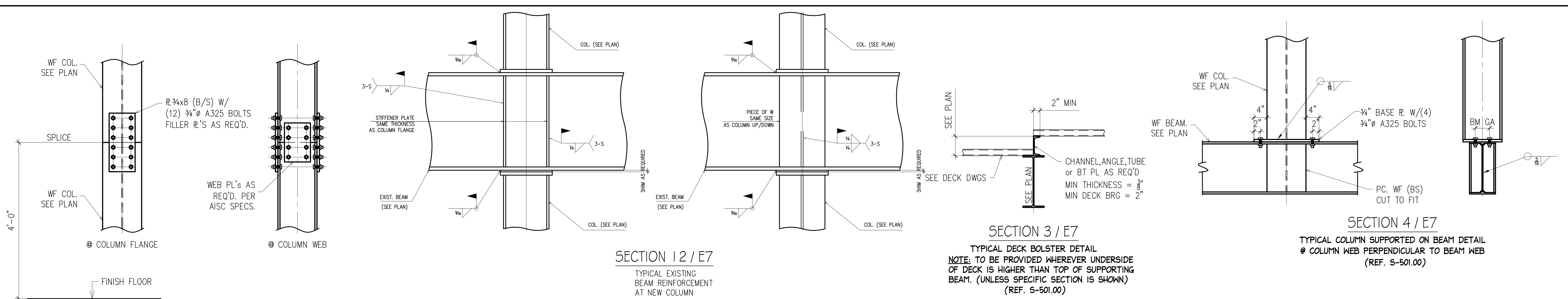
SUBSEQUENT CHANGES TO INFORMATION SHOWN ON THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE CONSIDERED AS CONTRACT CHANGES.

ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

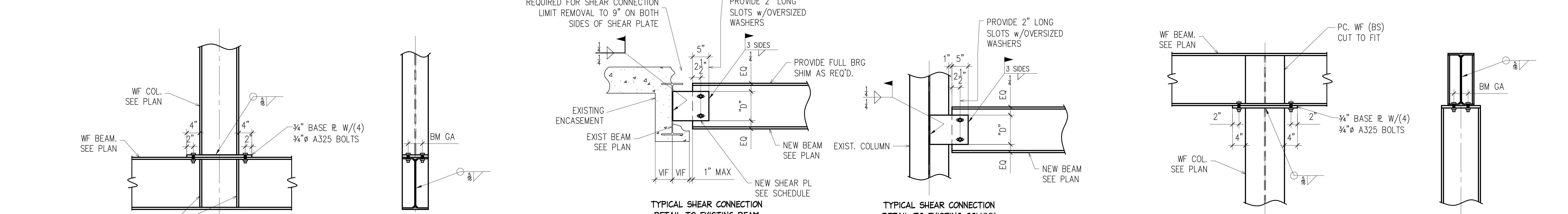
DRAWINGS PREPARED BY:
DIVISION FIVE DETAILING INC.
1810 Gallagher Drive
Vineland, New Jersey 08360
Phone: (856) 794-9474
Fax: (856) 696-2027

PAINT:	10/11/12	PER REC INFO	11/13/13	PER CHECK/ FOR FIELD USE	FOR FIELD
MATERIAL:	10/11/12	PER REC INFO	11/13/12	REVISE AS NOTED/ FOR FIELD USE	4th APPVL
HOLES:	9/28/12	ADD PIECE MARKS	11/17/12	FOR FIELD USE	3rd APPVL
ELECTRODES:	6/28/12	PER CHECK	11/13/12	PER REC INFO	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

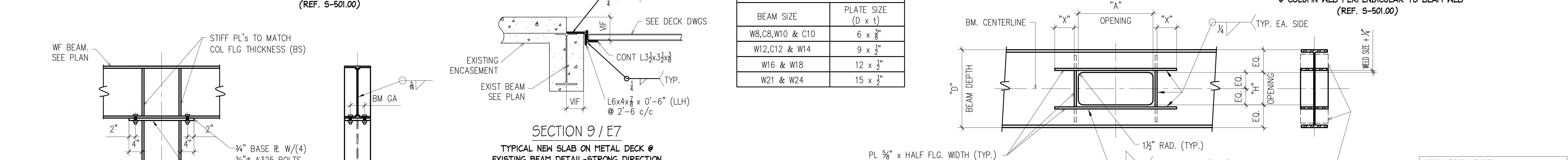
CUSTOMER:		WEIR WELDING CO. INC.	
316 12th STREET		CARLSTADT, NJ 07072	
PHONE: (201) 939-2284		FAX: (201) 939-5525	
DRAFTER	D5	PROJECT:	SACRED HEART CHURCH
DATE	12/6/11	LOCATION:	406 EAST 91ST STREET, NY, NY 10128
CHECKED	ARS	DWG TITLE:	MECH. ROOF FRAMING PLAN
DATE	6/28/12		
CONTRACT NO		S-1019	
DWG NO		E6	



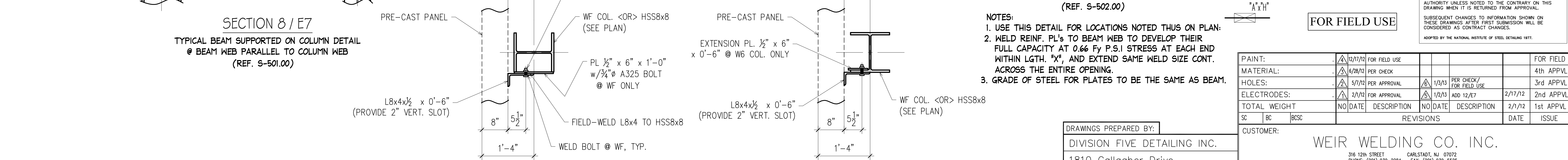
SECTION 1 / E7
TYPICAL COLUMN SPLICE DETAIL
(REF. S-501.00)



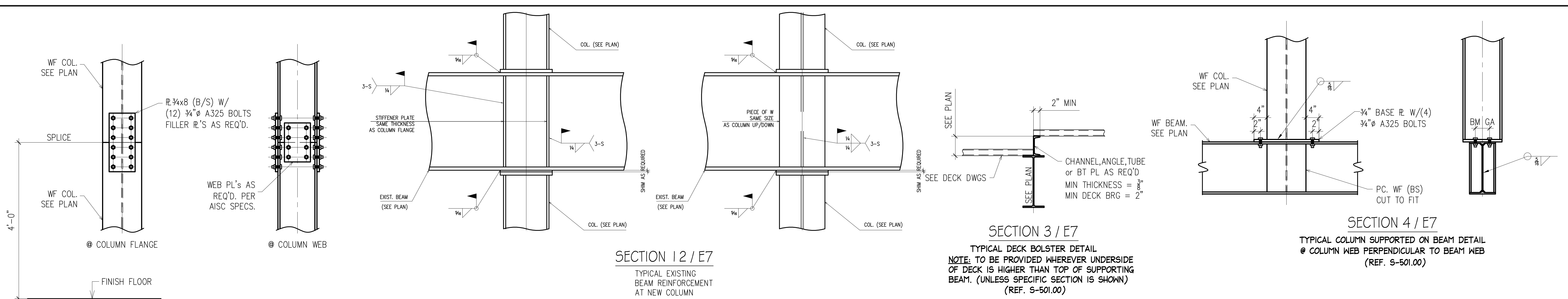
SECTION 2 / E7
TYPICAL COLUMN SUPPORTED ON BEAM DETAIL
@ COLUMN WEB PERPENDICULAR TO BEAM WEB
(REF. S-501.00)



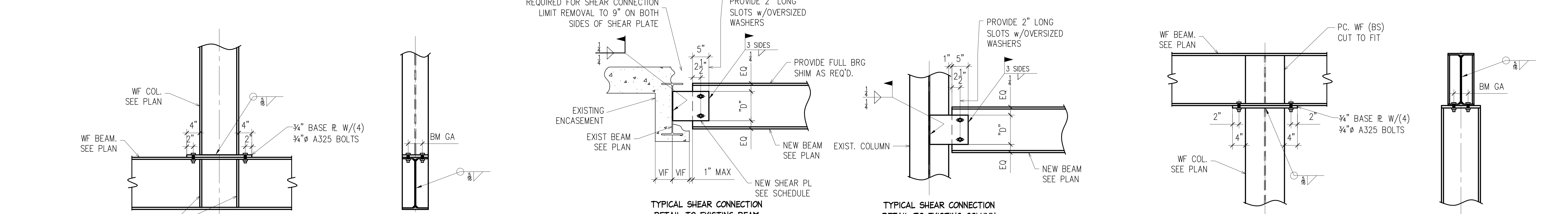
SECTION 3 / E7
TYPICAL DECK BOLSTER DETAIL
NOTE: TO BE PROVIDED WHEREVER UNDERSIDE OF DECK IS HIGHER THAN TOP OF SUPPORTING BEAM. (UNLESS SPECIFIC SECTION IS SHOWN)
(REF. S-501.00)



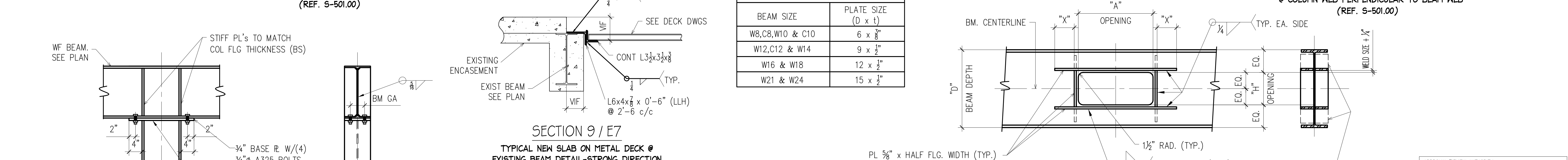
SECTION 4 / E7
TYPICAL COLUMN SUPPORTED ON BEAM DETAIL
@ COLUMN WEB PARALLEL TO BEAM WEB
(REF. S-501.00)



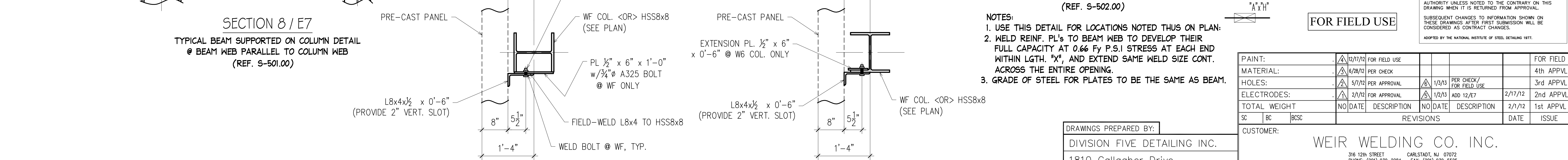
SECTION 5 / E7
TYPICAL COLUMN SUPPORTED ON BEAM DETAIL
@ COLUMN WEB PARALLEL TO BEAM WEB
(REF. S-501.00)



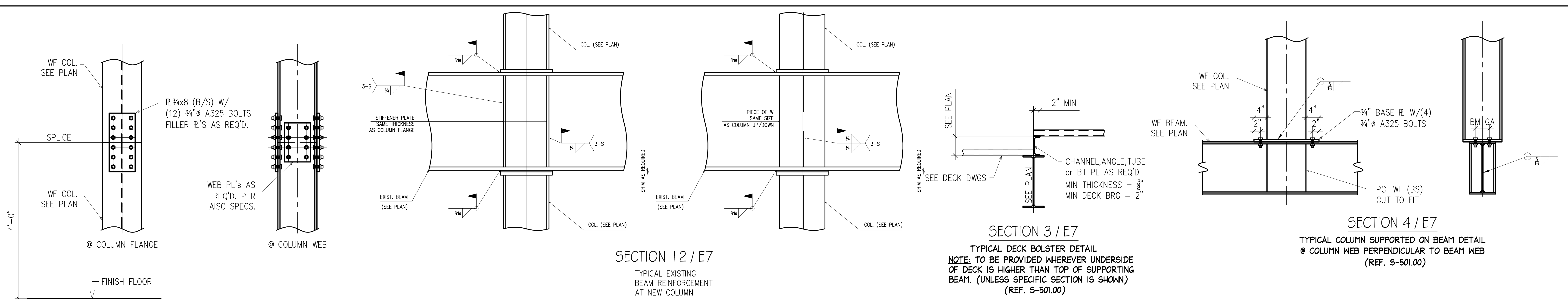
SECTION 6 / E7
TYPICAL SHEAR CONNECTION DETAIL TO EXISTING BEAM
(REF. S-501.00)



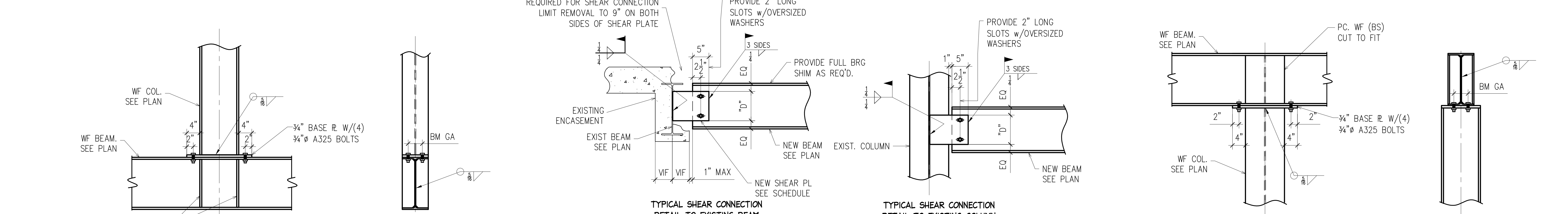
SECTION 7 / E7
TYPICAL SHEAR CONNECTION DETAIL TO EXISTING COLUMN
(REF. S-501.00)



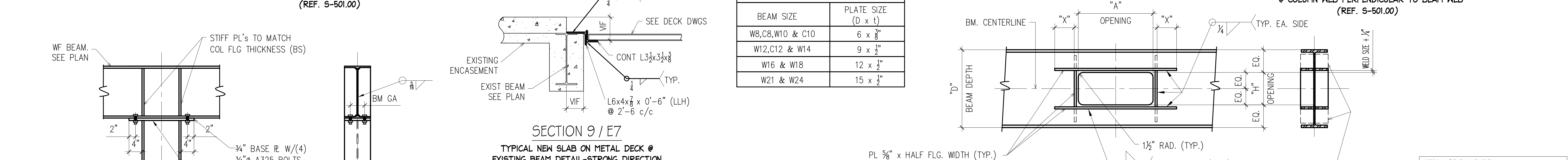
SECTION 8 / E7
TYPICAL BEAM SUPPORTED ON COLUMN DETAIL
@ BEAM WEB PARALLEL TO COLUMN WEB
(REF. S-501.00)



SECTION 9 / E7
TYPICAL NEW SLAB ON METAL DECK @ EXISTING BEAM DETAIL-STRONG DIRECTION
(REF. S-501.00)



SECTION 10 / E7
TYPICAL STEEL BEAM PENETRATION DETAIL
(REF. S-502.00)



SECTION 11 / E7
TYPICAL PRE-CAST PANEL LATERAL CONNECTION DETAILS
NOTE: COORDINATE WITH PRE-CAST DRAWINGS TO MATCH CONNECTIONS.
(REF. S-502.00)

SHEAR PLATE SCHEDULE	
BEAM SIZE	PLATE SIZE (D x t)
W8,C8,W10 & C10	6 x 3/8"
W12,C12 & W14	9 x 1/2"
W16 & W18	12 x 1/2"
W21 & W24	15 x 1/2"

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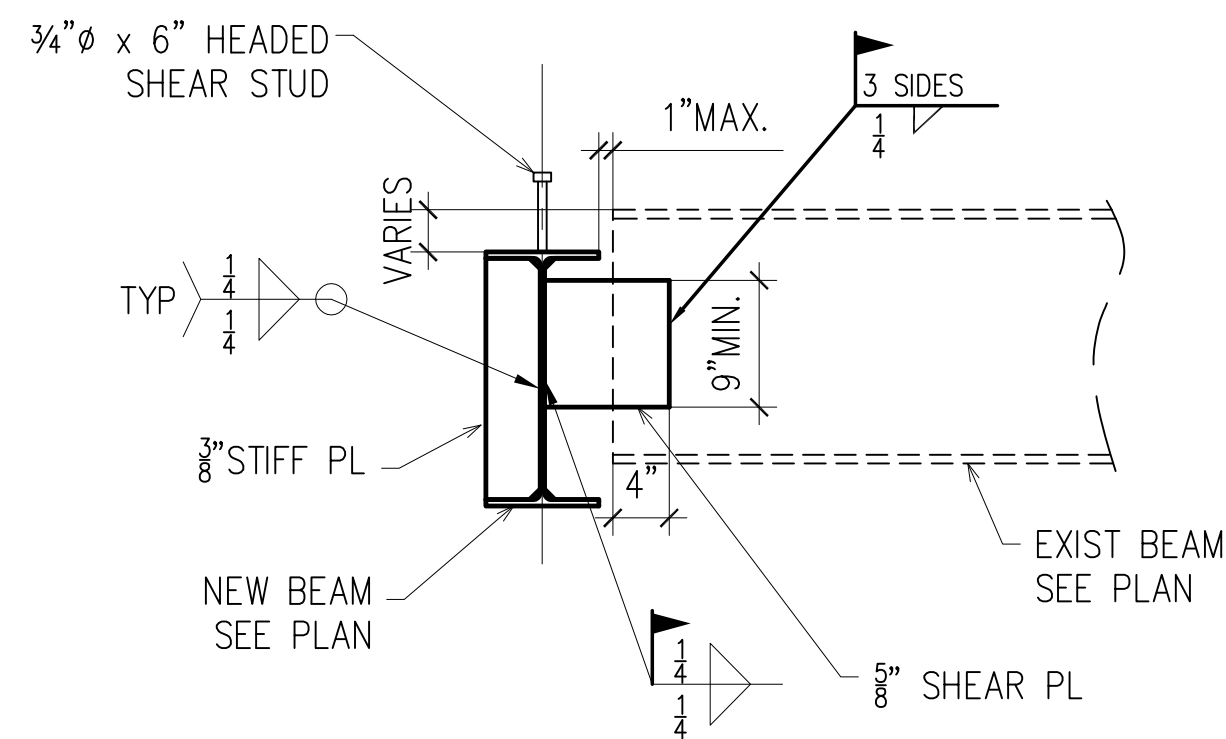
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ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

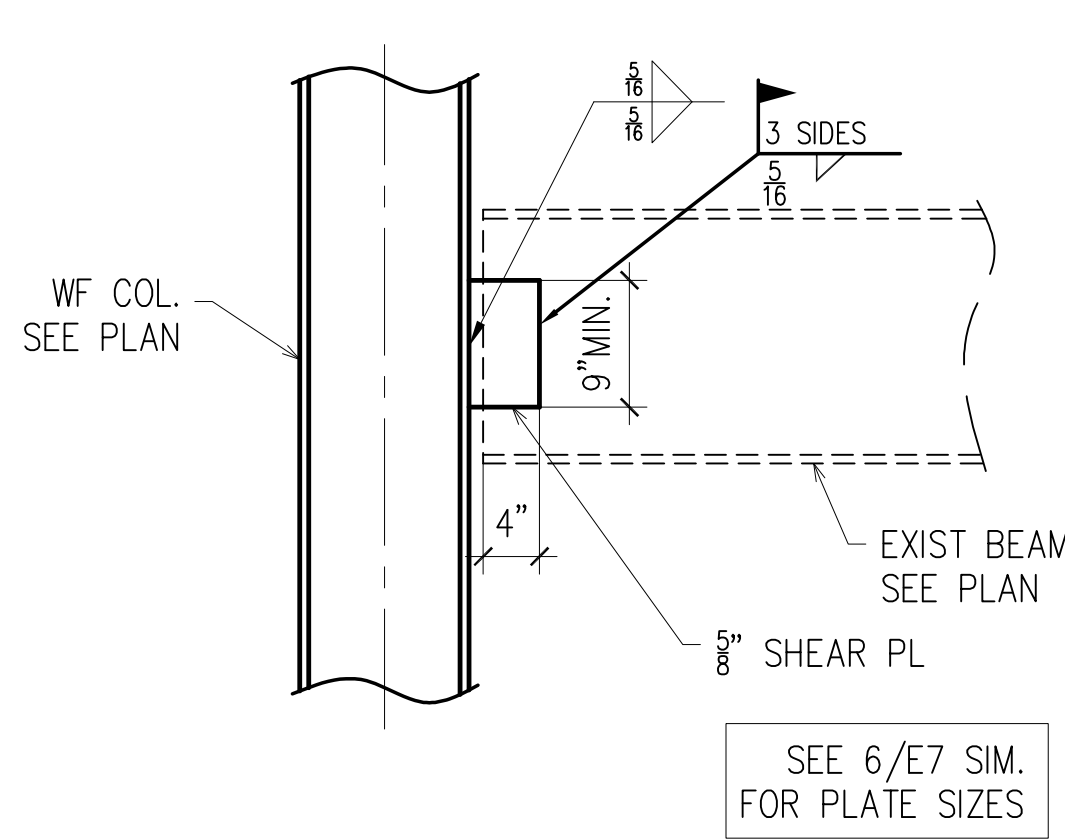
DRAWINGS PREPARED BY:

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

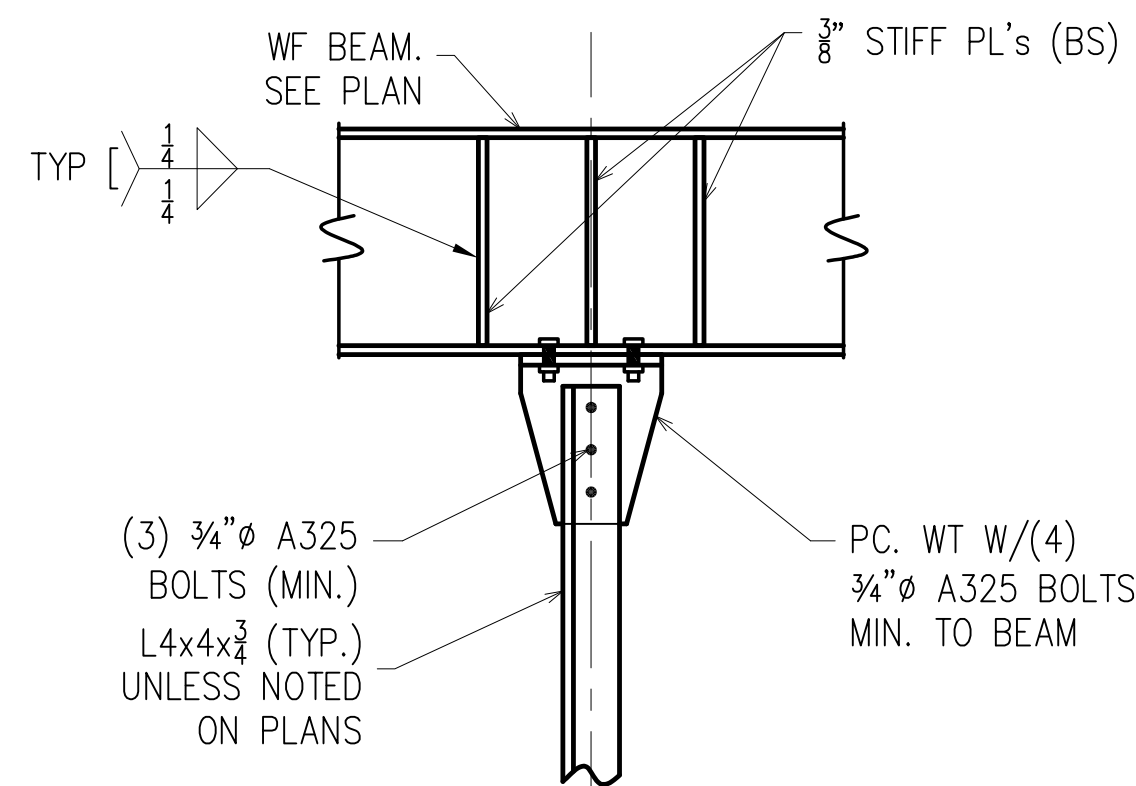
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MATERIAL:			6/28/12		PER CHECK					4th APPVL		
HOLES:			5/7/12		PER APPROVAL		1/3/13		PER CHECK/ FOR FIELD USE		3rd APPVL	
ELECTRODES:			2/1/12		FOR APPROVAL		1/2/13		ADD 12/E7		2/17/12 2nd APPVL	
TOTAL WEIGHT			NO DATE		DESCRIPTION		NO DATE		DESCRIPTION		2/1/12 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:		SACRED HEART CHURCH					CONTRACT NO	
DATE		12/6/11		LOCATION:		406 EAST 91ST STREET, NY, NY 10128					S-1019	
CHECKED		ARS		DWG TITLE:		SECTIONS & TYPICAL DETAILS					DWG NO	
DATE		6/28/12									E7	



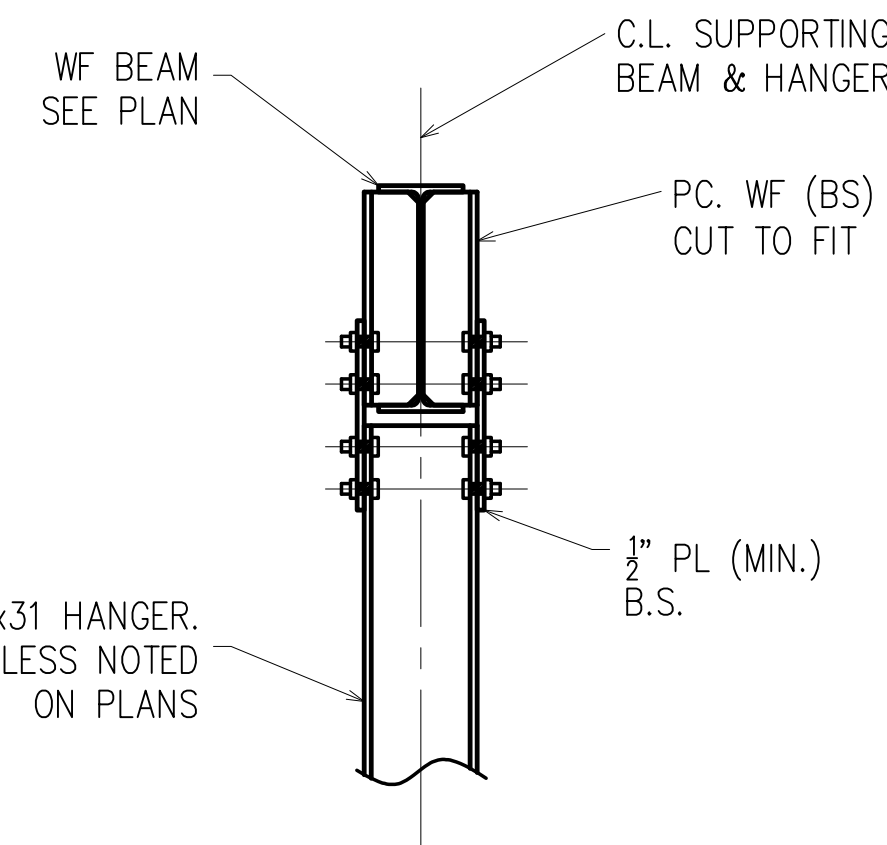
SECTION 1 / E8
TYPICAL SHEAR CONNECTION DETAIL
@ EXISTING BEAM TO NEW BEAM
(S-501.00)



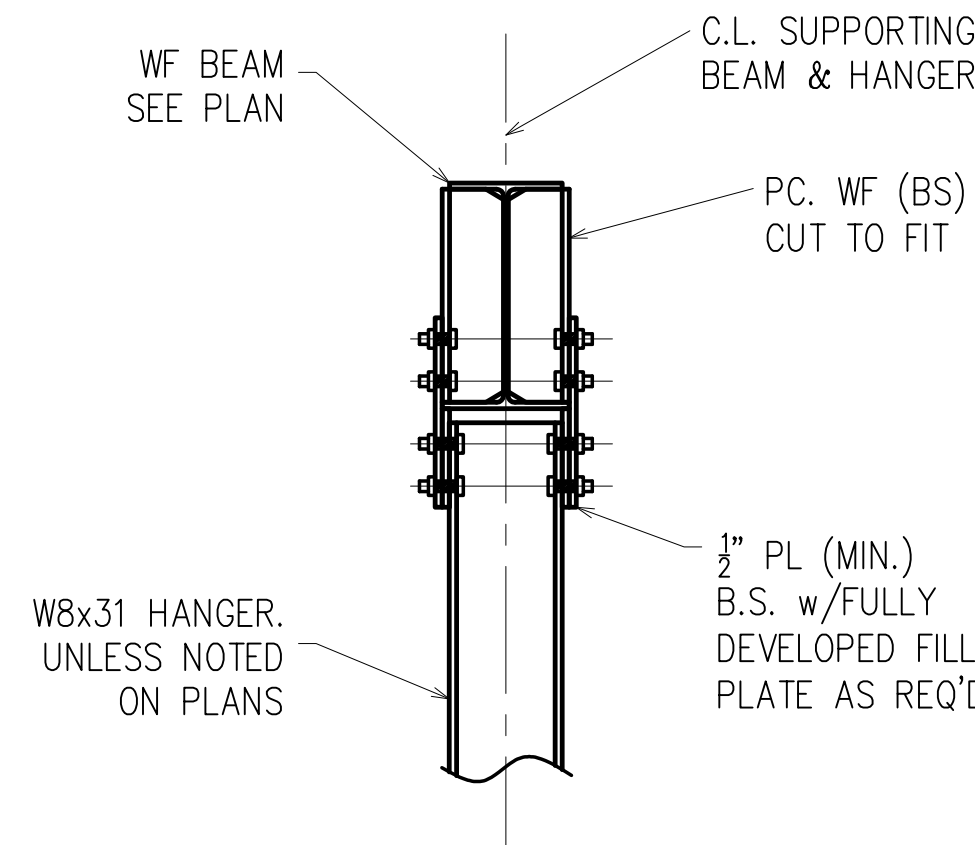
SECTION 2 / E8
TYPICAL SHEAR CONNECTION DETAIL
@ EXISTING BEAM TO NEW COLUMN
(S-501.00)



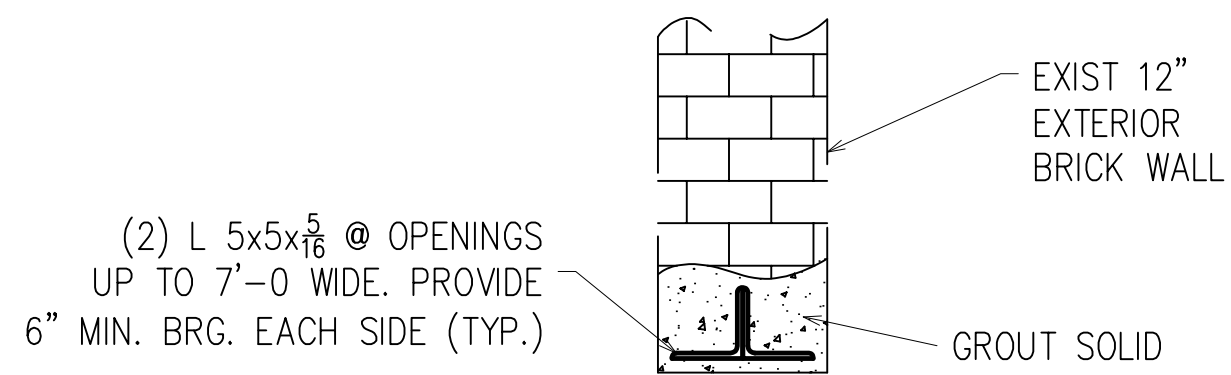
SECTION 3 / E8
TYPICAL ANGLE HANGER DETAIL
(S-501.00)



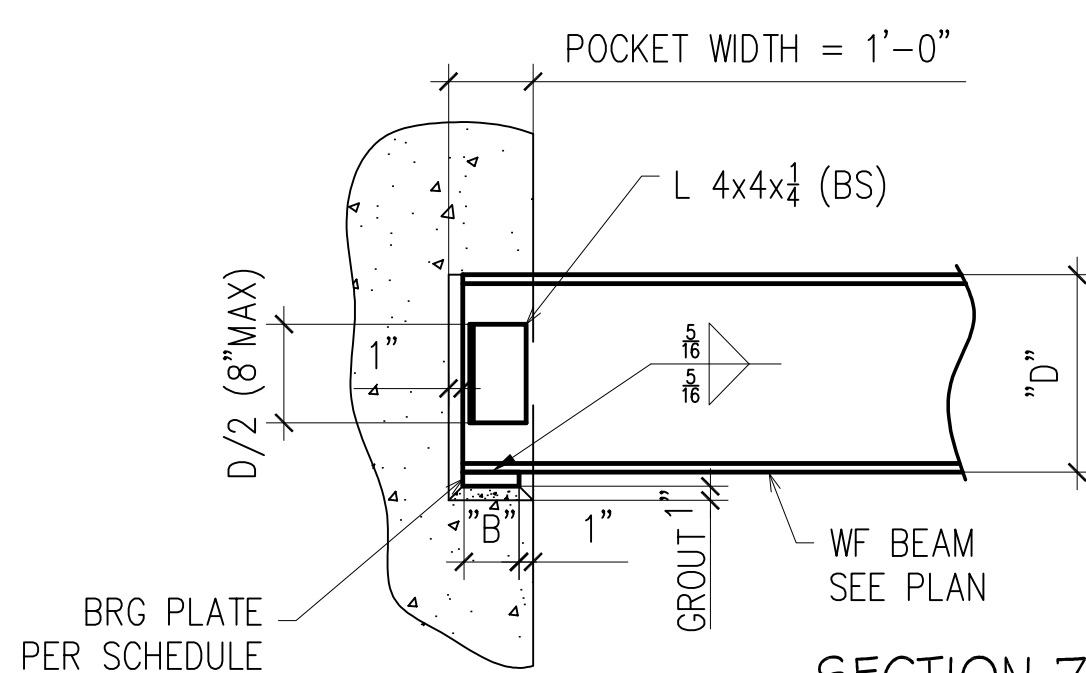
SECTION 4 / E8
TYPICAL WF HANGER DETAIL @
WEB PERPENDICULAR TO SUPPORTING BEAM &
DEPTH OF HANGER IS GREATER THAN SUPPORTING BEAM
(S-501.00)



SECTION 5 / E8
TYPICAL WF HANGER DETAIL @
WEB PERPENDICULAR TO SUPPORTING BEAM &
DEPTH OF HANGER IS LESS THAN SUPPORTING BEAM
(S-501.00)

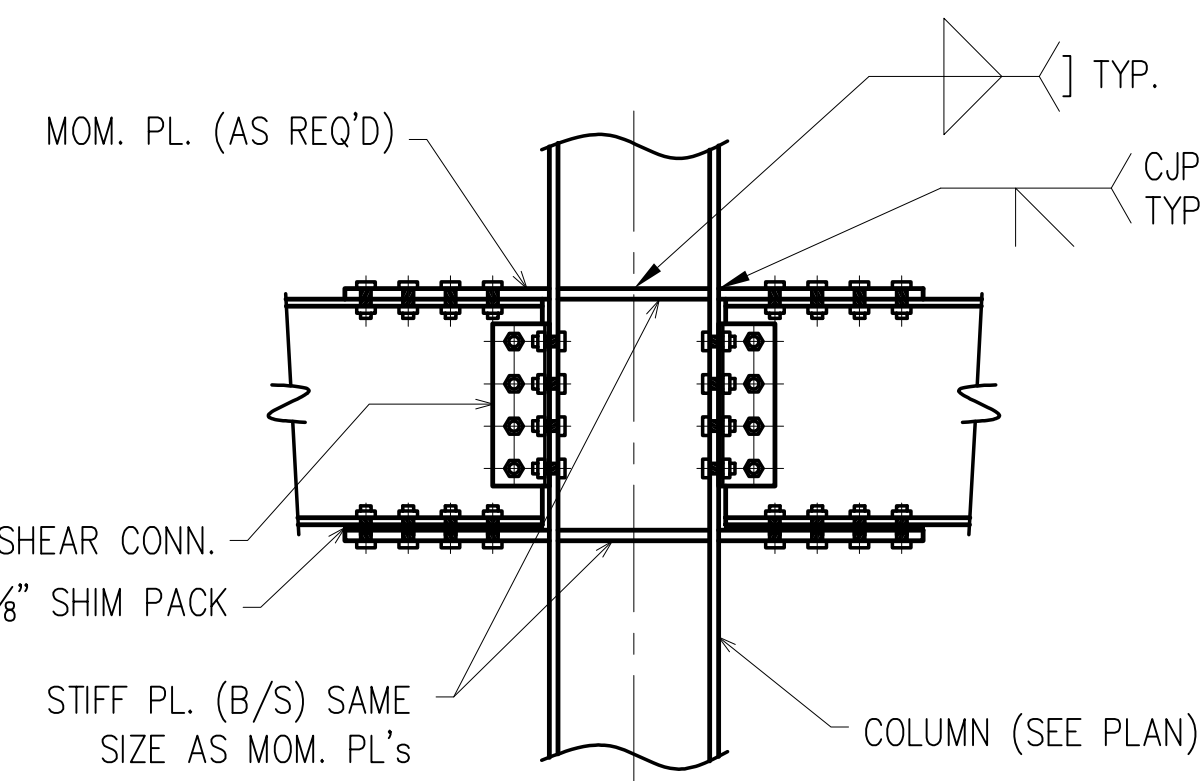


SECTION 6 / E8
TYPICAL DETAIL @ OPENING
IN EXISTING MASONRY WALL

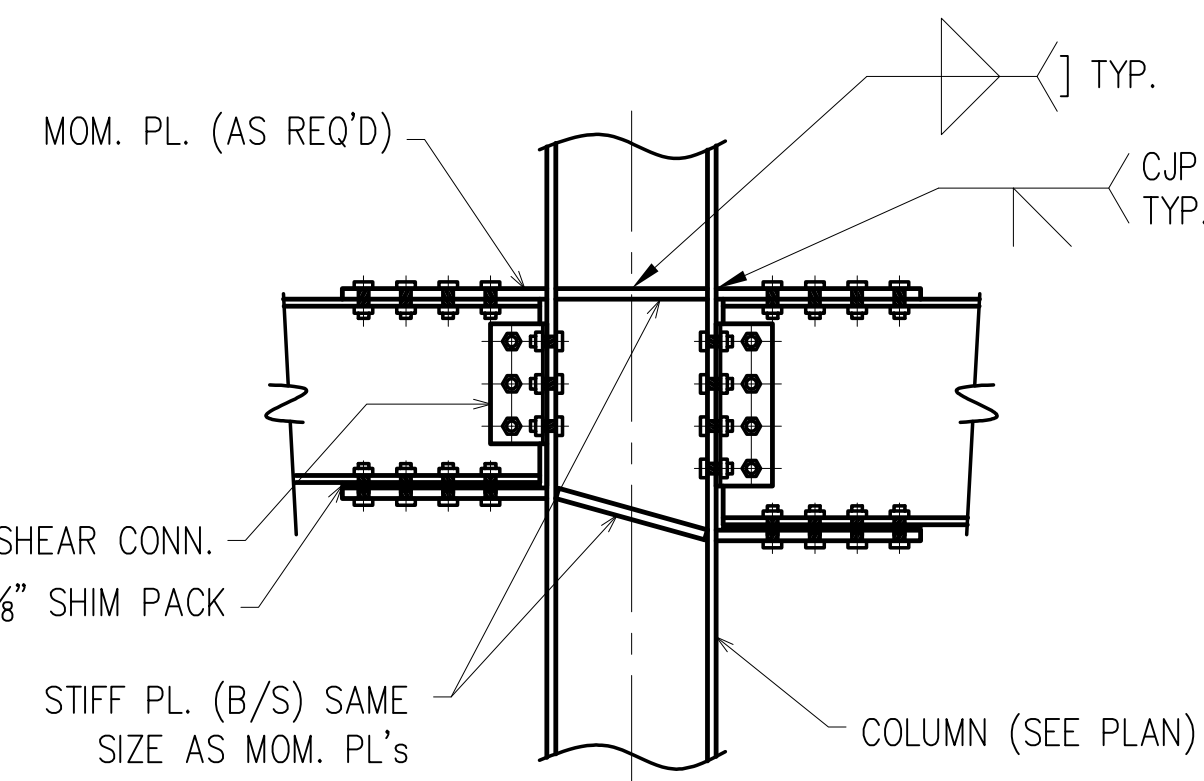


SECTION 7 / E8
TYPICAL BEAM BRG PL DETAIL
(S-502.00)

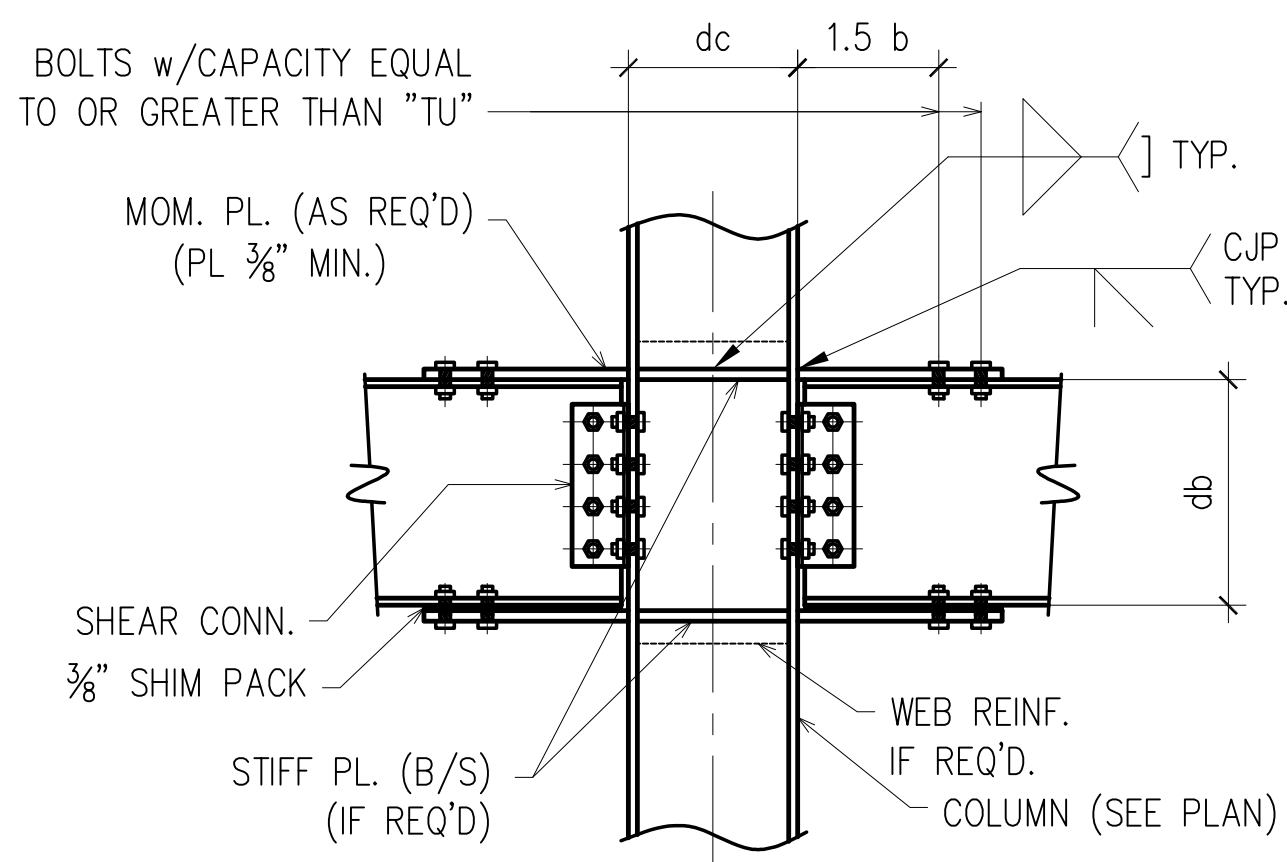
BEARING PLATE SCHEDULE		
BEAM SIZE	PLATE SIZE ("B" x T x L)	MARK
W8 thru W12	4 x 3/4 x 8	BP1
W14 & W16	4 x 1 x 10	BP2
W18	4 x 1 1/4 x 10	BP3
W21 & W24	5 x 1 1/4 x 10	BP4



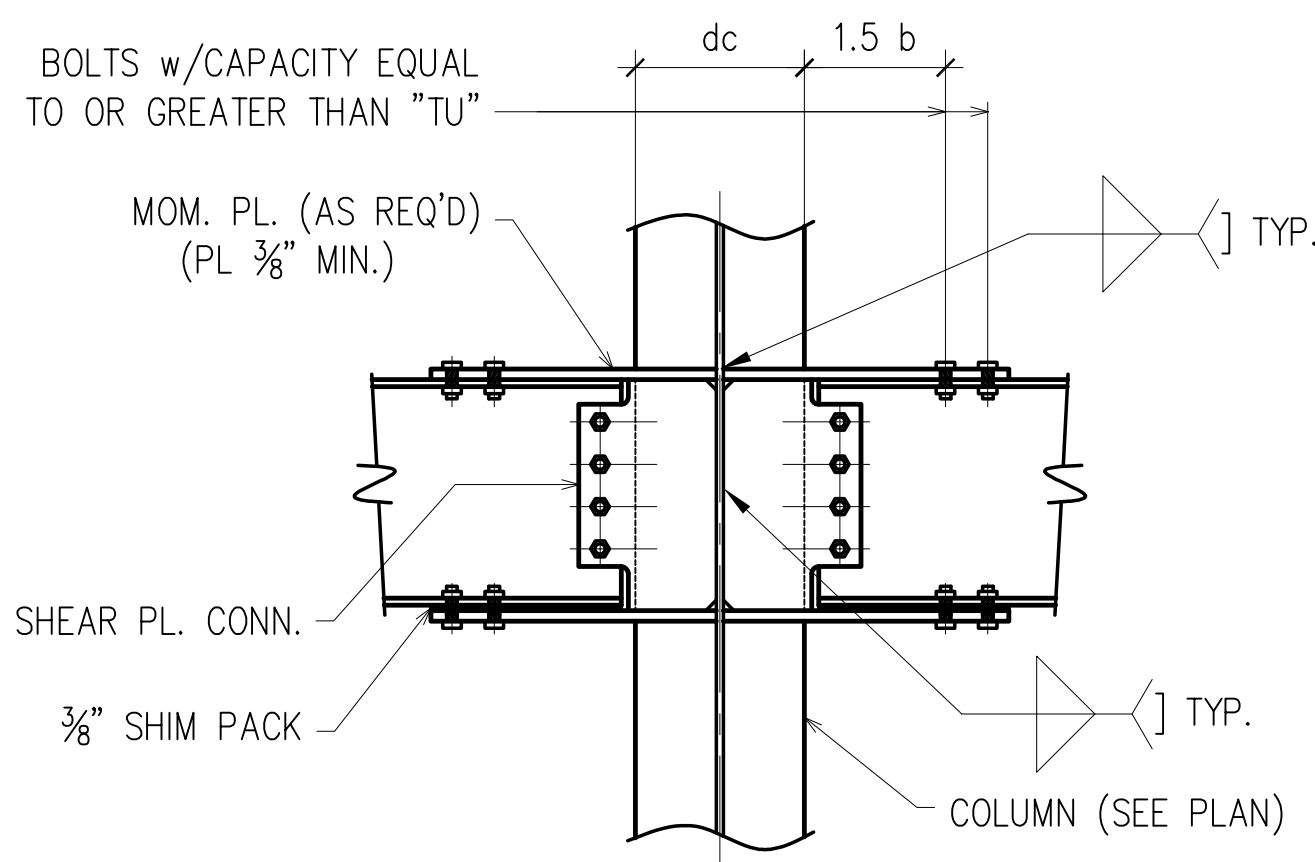
EQUAL DEPTH CANT. w/BACK SPAN



UNEQUAL DEPTH CANT. w/BACK SPAN



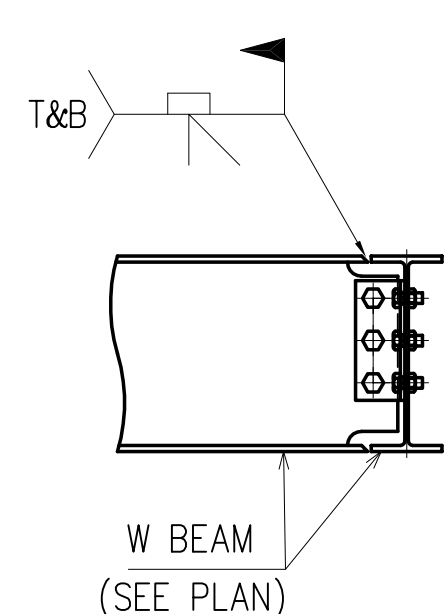
TYP. MOMENT CONN. @ COL. FLG.
TU = BENDING MOMENT
db



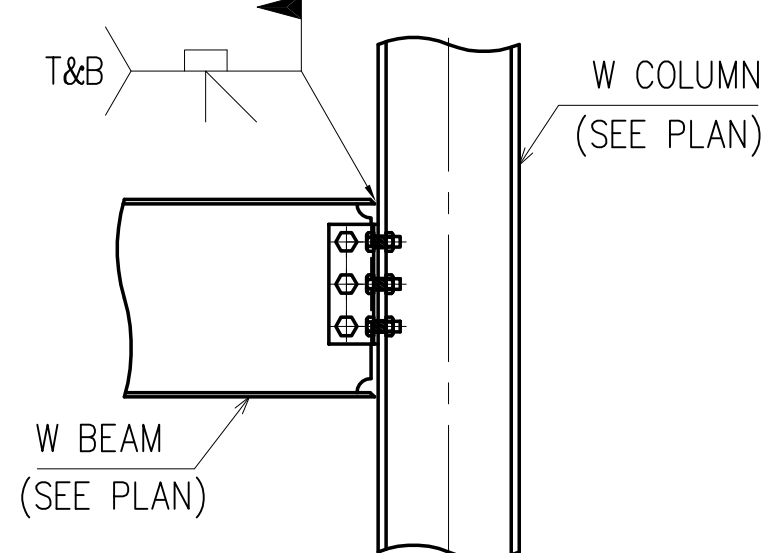
TYP. MOMENT CONN. @ COL. WEB

SECTION 9 / E8

TYPICAL LATERAL MOMENT CONN. DETAILS
(REFER TO ENGINEER DESIGN CRITERIA)
(S-301.00)



TYP. FIELD WELDED BEAM TO BEAM MOMENT CONN.

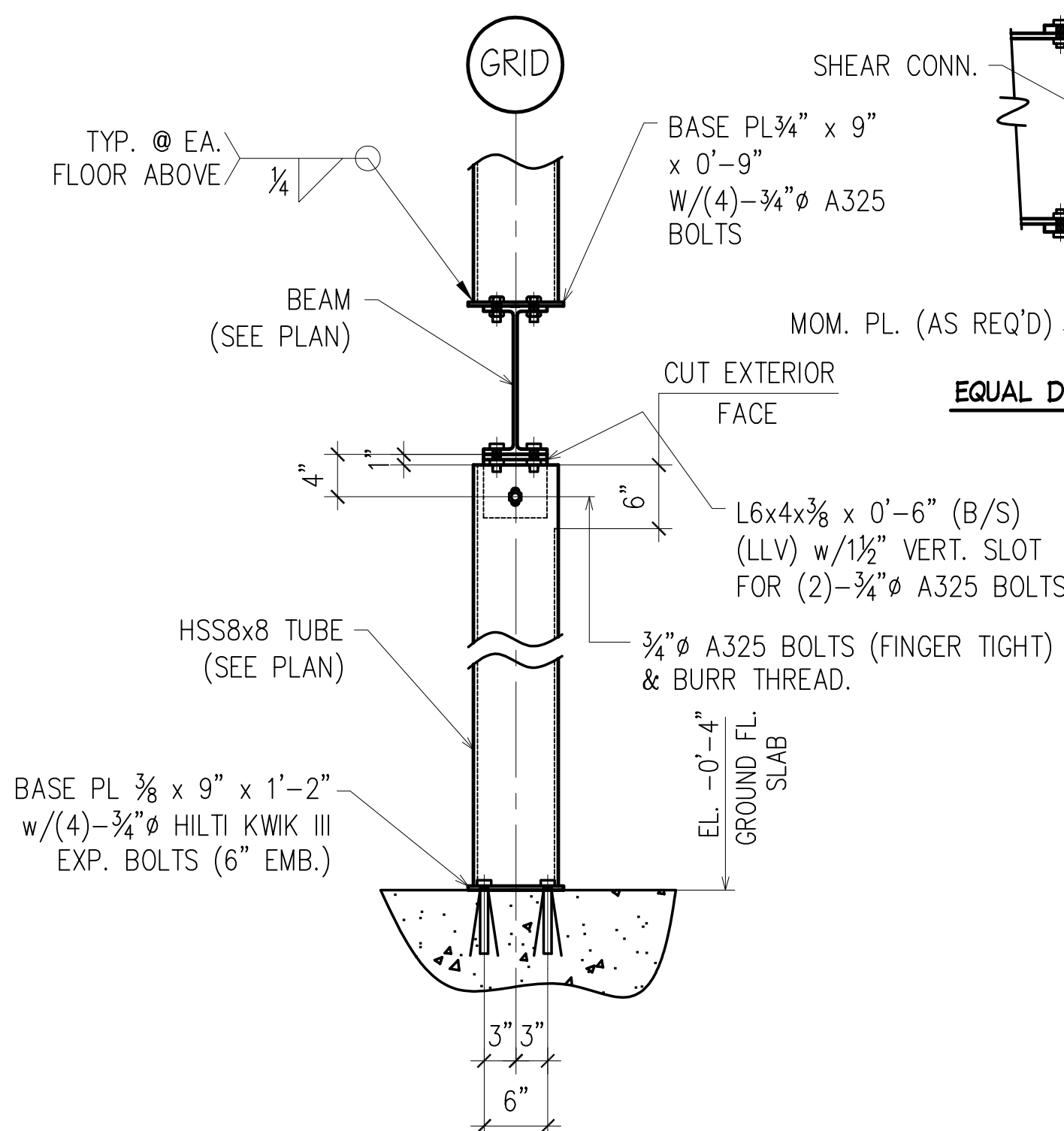


TYP. FIELD WELDED BEAM TO COL. FLANGE MOMENT CONN.

SECTION 11 / E8

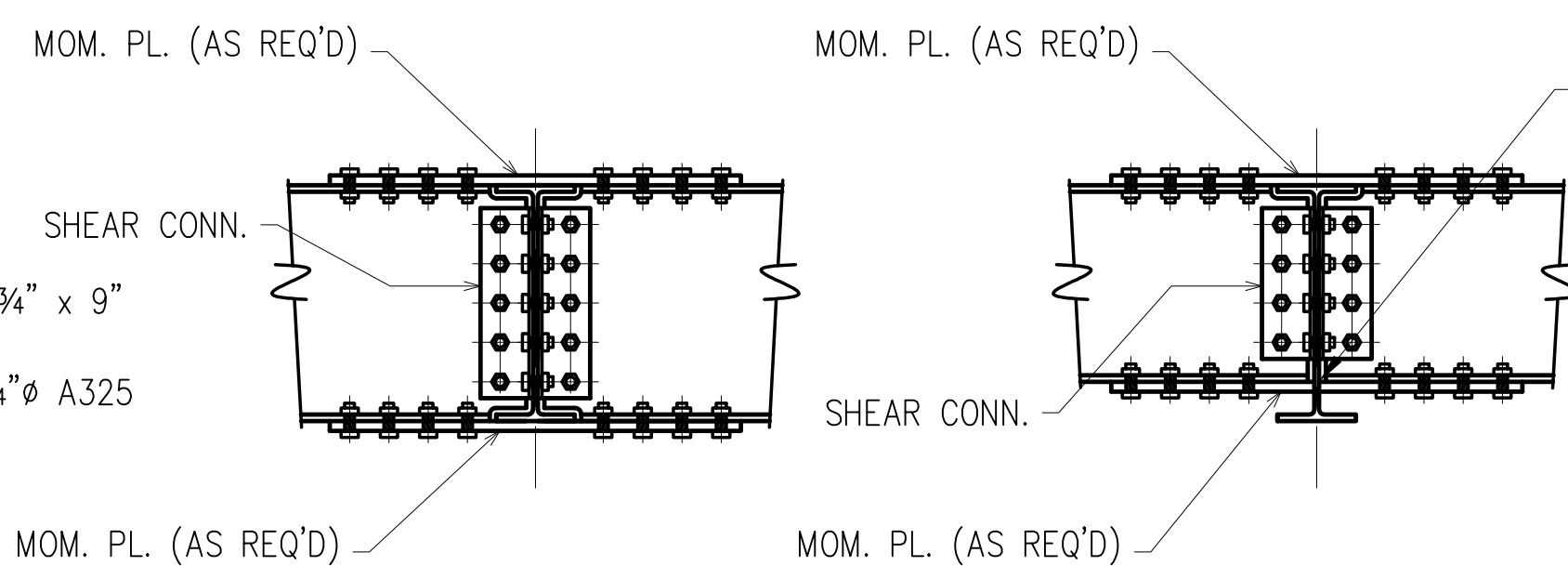
TYPICAL FIELD WELDED MOMENT CONNECTION

NOTED THUS ON PLAN

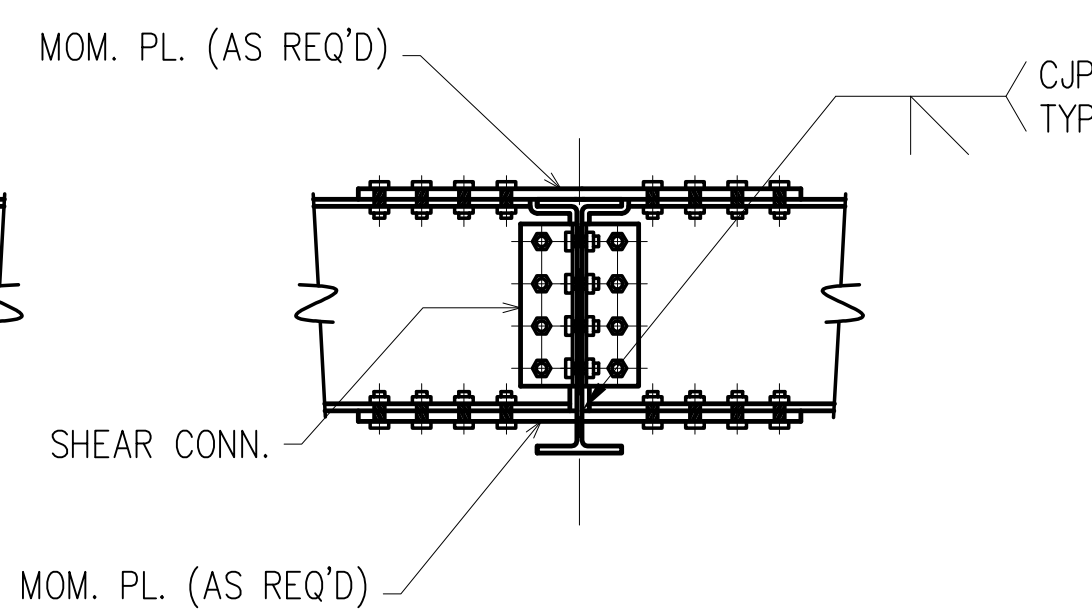


SECTION 10 / E8

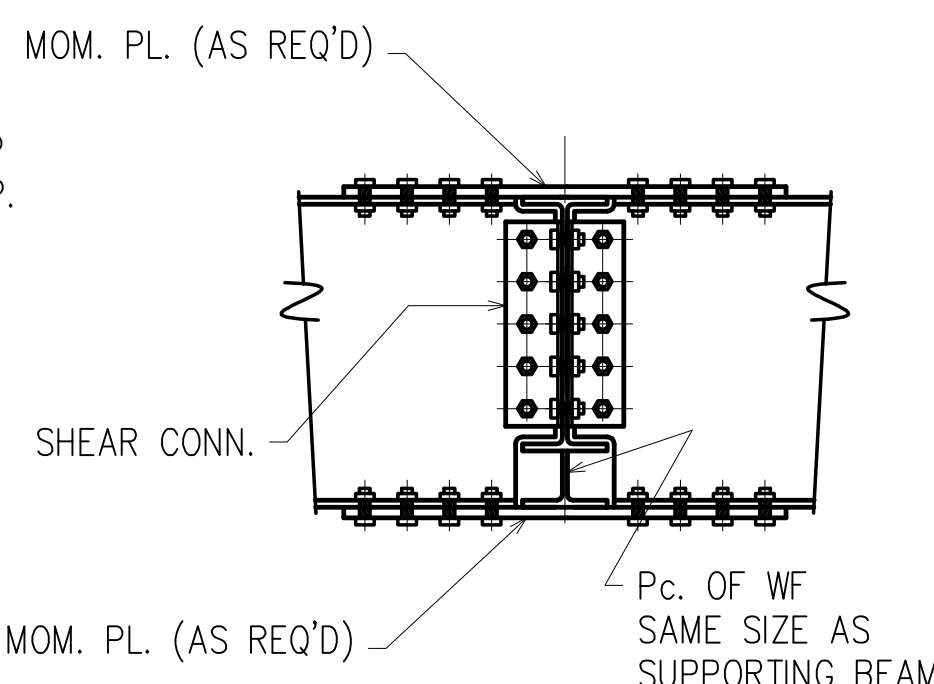
TYPICAL SUPPLEMENTAL POST AT EXTERIOR
PRE-CAST PANEL SUPPORT DETAIL



EQUAL DEPTH CANT. & SUPPORTING BM.



CANT. SMALLER IN DEPTH THAN
SUPPORTING BEAM



CANT. LARGER IN DEPTH THAN
SUPPORTING BEAM

SECTION 8 / E8

TYPICAL CANTILEVER BEAM CONNECTION DETAILS
(REFER TO ENGINEER DESIGN CRITERIA)
(S-501.00)

FOR FIELD USE

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:	12/17/12 FOR FIELD USE	1/7/13 REVISE SECTION 1 FOR FIELD USE	FOR FIELD
MATERIAL:	6/28/12 PER CHECK	1/3/12 PER RECEIVED INFO/ FOR FIELD USE	4th APPVL
HOLES:	5/7/12 PER APPROVAL	1/3/12 PER RECEIVED INFO/ FOR FIELD USE	3rd APPVL
ELECTRODES:	2/1/12 FOR APPROVAL	12/21/12 ADD SECTION 11/E8 FOR FIELD USE	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	2/1/12 1st APPVL
SC	BC	BCSC	REVISIONS

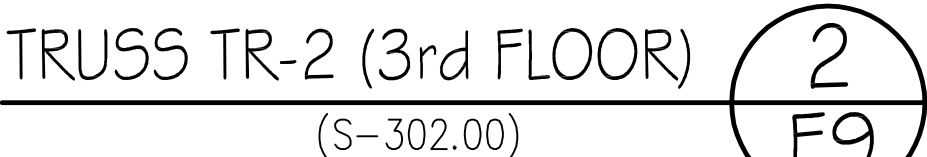
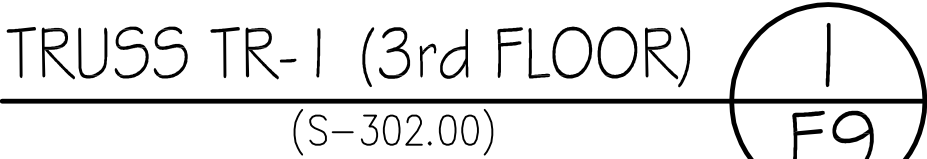
CUSTOMER:

WEIR WELDING CO. INC.

316 12th STREET CARLSTADT, NJ 07072

PHONE: (201) 939-2284 FAX: (201) 939-5525

DRAFTER	D5	PROJECT:	SACRED HEART CHURCH	CONTRACT NO	S-1019
DATE	12/6/11	LOCATION:	406 EAST 91ST STREET, NY, NY 10128	DWG NO	E8
CHECKED	-	DWG TITLE:	SECTIONS & TYPICAL DETAILS		
DATE	-				



1. ALL TRUSS DIMENSIONS ARE TO THE CENTROIDS OF THE SHAPES (U.N.O.)
2. VALUES NOTED THUS [...] INDICATES MAX. COMBINED SERVICE AXIAL FORCE IN DIAGONAL MEMBERS, POSITIVE FOR TENSION AND NEGATIVE FOR COMPRESSION.
3. CHORD SPLICES SHALL BE CAPABLE OF DEVELOPING THE FULL TENSILE & BENDING CAPACITY OF THE MEMBER.

PAINT:		Δ	6/28/12	PER CHECK					FOR FIELD
MATERIAL:		Δ	5/7/12	PER APPROVAL					4th APPL
HOLES:		Δ	4/10/12	PER CONTRACT	Δ	1/3/12	PER CHECK/ FOR FIELD USE		3rd APPL
ELECTRODES:		Δ	2/1/12	FOR APPROVAL	Δ	12/17/12	FOR FIELD USE	2/17/12	2nd APPL
TOTAL WEIGHT		NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION	2/1/12	1st APPL
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: SACRED HEART CHURCH							CONTRACT NO
DATE	12/6/11	LOCATION: 406 EAST 91ST STREET, NY, NY 10128							S-1019
CHECKED	ARS	DWG TITLE: TRUSS DETAILS							DWG NO
DATE	6/28/12								
									E9

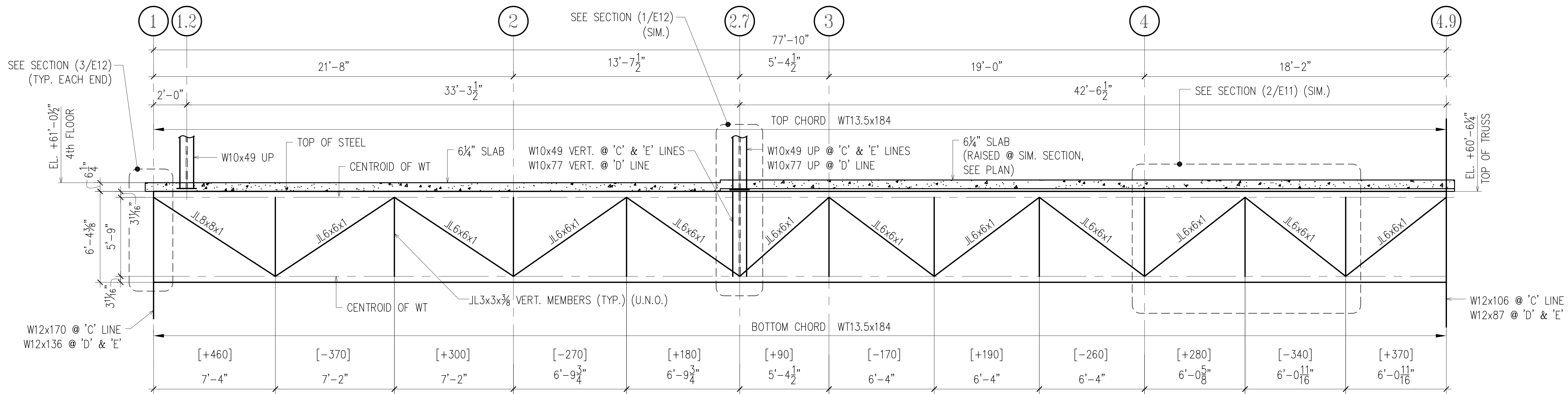
Fax: (856) 696-2027

316 12th STREET CARLSTADT, NJ 07077
PHONE: (201) 939-2284 FAX: (201) 939-5521

DWG TITLE

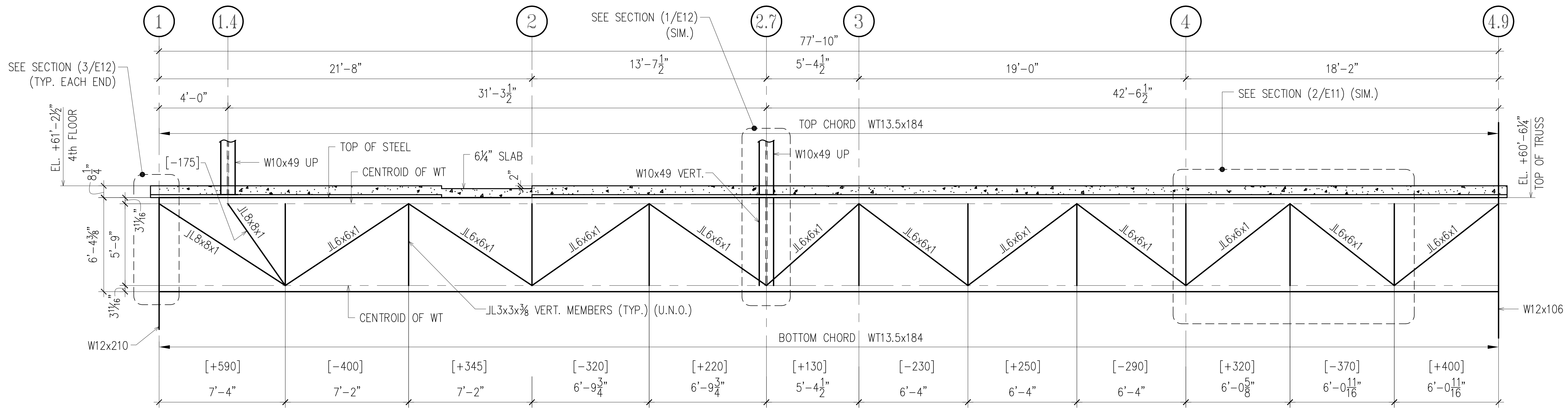
DWG TITLE: TRUSS DETAILS

FC



TRUSS TR-3 (4th FLOOR)

1
E10



TRUSS TR-4 (4th FLOOR)

2
E10

- NOTES:
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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

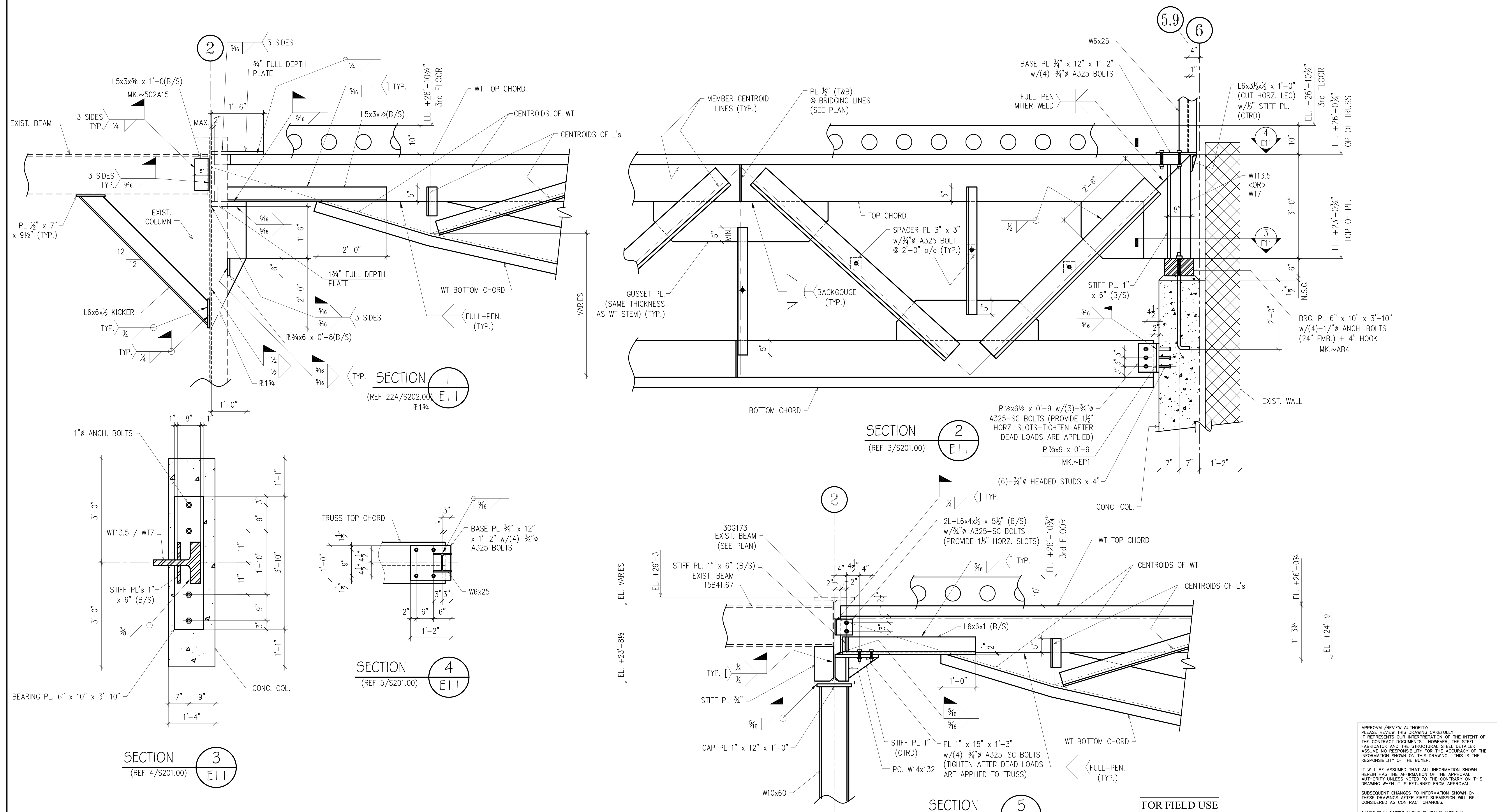
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PAINT:		.  6/28/12		PER CHECK					FOR FIELD	
MATERIAL:		.  5/7/12		PER APPROVAL					4th APPVL	
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ELECTRODES:		.  2/1/12		FOR APPROVAL			12/17/12	FOR FIELD	2/17/12 2nd APPVL	
TOTAL WEIGHT		NO	DATE	DESCRIPTION		NO	DATE	DESCRIPTION	2/1/12 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: SACRED HEART CHURCH							CONTRACT NO	
DATE	12/6/11	LOCATION: 406 EAST 91ST STREET, NY, NY 10128							S-1019	
CHECKED	ARS	DWG TITLE: TRUSS DETAILS							DWG NO	
DATE	6/28/12								E10	

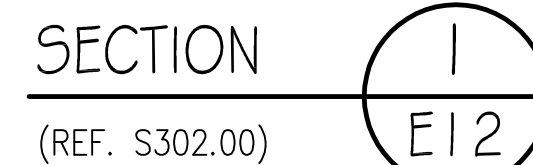


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FOR FIELD USE

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

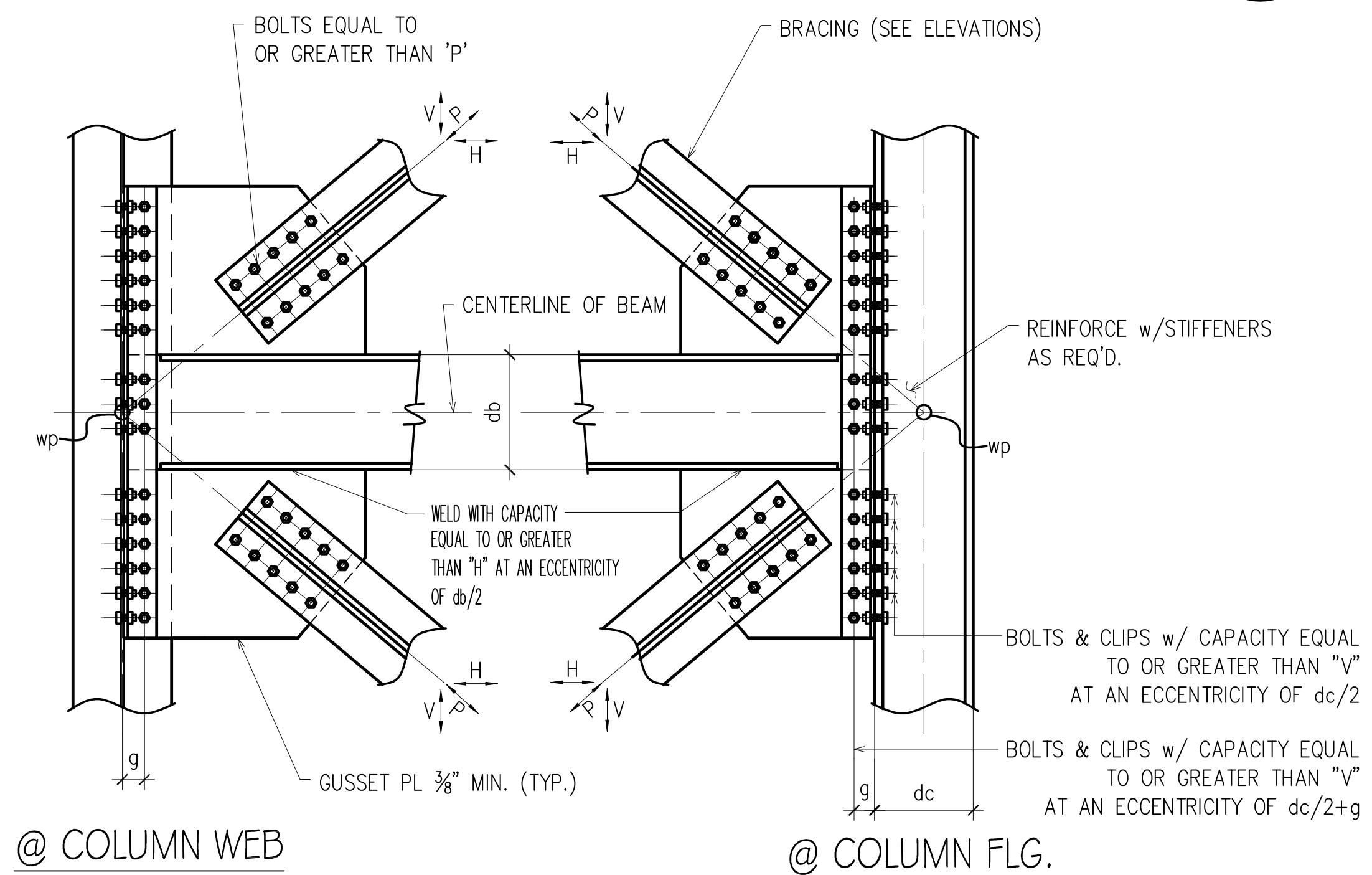
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ELECTRODES:		 2/1/12	FOR APPROVAL	 9/11/12	PER REC INFO	2/17/12	2nd APPVL
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SC	BC	BCSC		REVISIONS		DATE	ISSUE
CUSTOMER:							
WEIR WELDING CO. INC.							
316 12th STREET PHONE: (201) 939-2284				CARLSTADT, NJ 07072 FAX: (201) 939-5525			
DRAFTER	D5	PROJECT: SACRED HEART CHURCH					CONTRACT NO
DATE	12/6/11	LOCATION: 406 EAST 91ST STREET, NY, NY 10128					S-1019
CHECKED		ARS		DWG TITLE: SECTIONS			DWG NO
DATE	6/28/12						E11



@ COLUMN WEB



NOTE:
REFER TO VERTICAL
BRACING CONNECTION
CALCULATIONS FOR
ITEMS NOT SHOWN



NOTE:
REFER TO VERTICAL
BRACING CONNECTION
CALCULATIONS FOR
ITEMS NOT SHOWN

FOR FIELD USE

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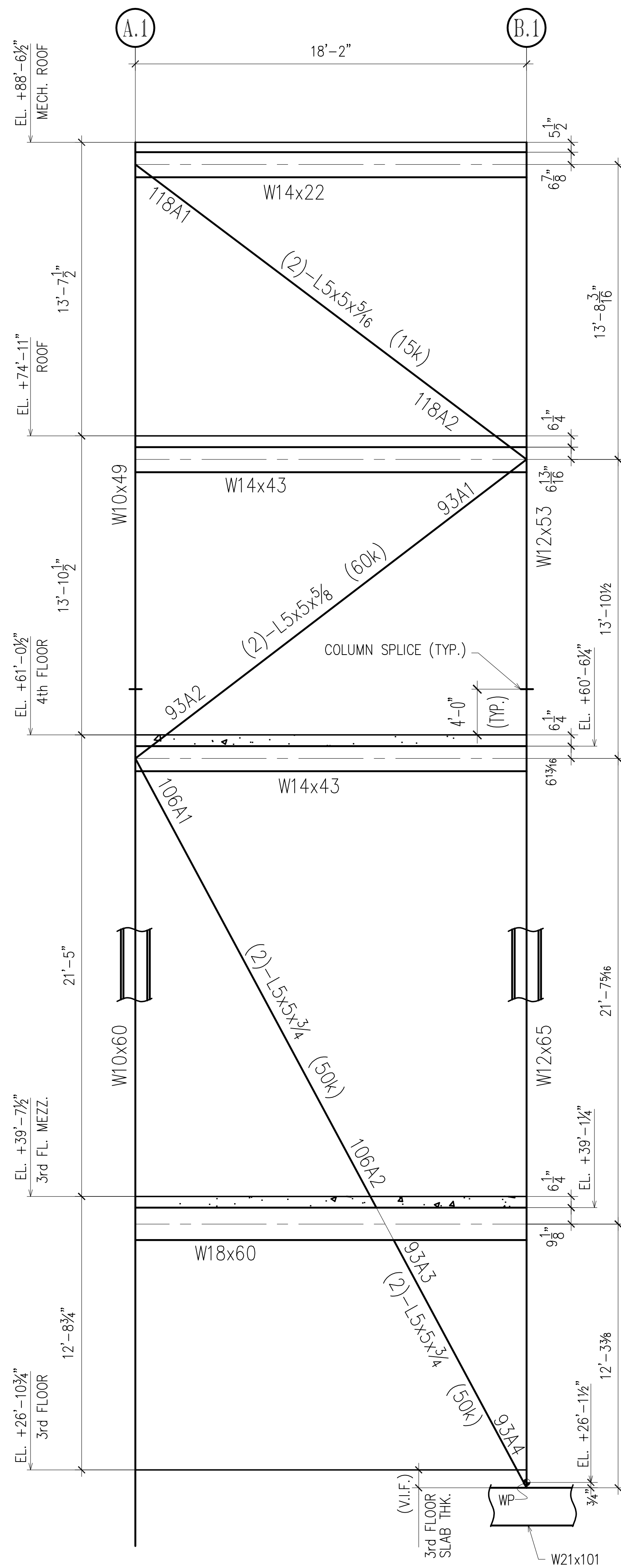
IT WILL BE ASSUMED THAT ALL INFORMATION SHOWN
HEREIN HAS THE AFFIRMATION OF THE APPROVAL
AUTHORITY. UNLESS NOTED OTHERWISE, THE CONTRACT ON THIS
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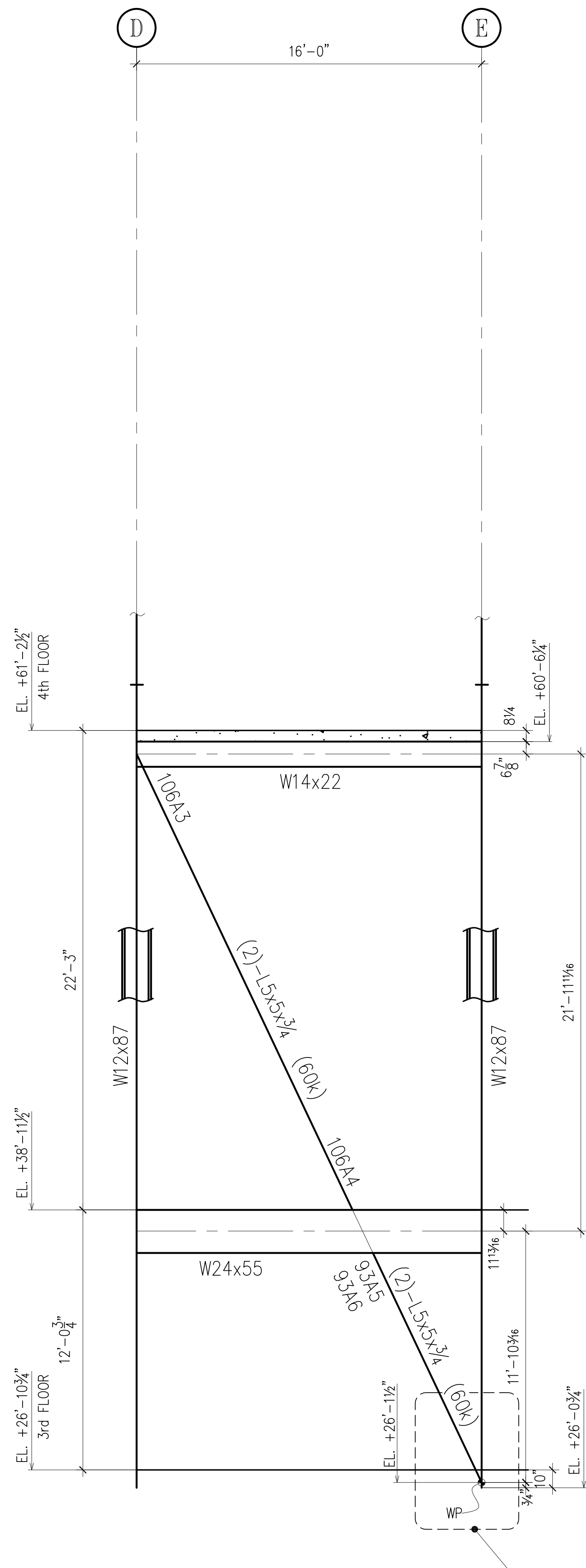
ADOPTED BY THE NATIONAL INSTITUTE OF STEEL DETAILING 1977.

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

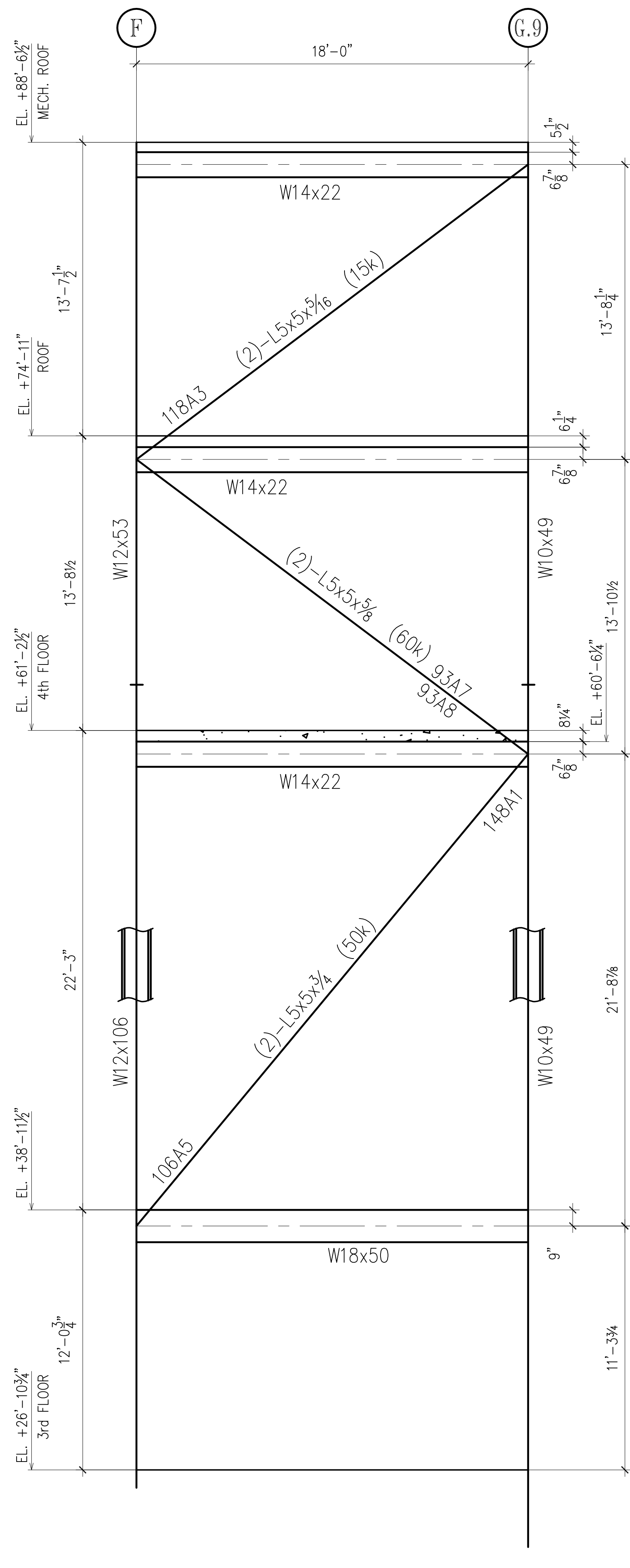
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MATERIAL:		6/18/12		PER CHECK				4th APPVL	
HOLES:		5/7/12		PER APPROVAL				3rd APPVL	
ELECTRODES:		2/1/12		PER APPROVAL		1/13/13 PER CHECK / FOR FIELD USE		2/17/12 2nd APPVL	
TOTAL WEIGHT		NO DATE		DESCRIPTION		NO DATE DESCRIPTION		2/1/12 1st APPVL	
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: SACRED HEART CHURCH						CONTRACT NO	
DATE 12/6/11		LOCATION: 406 EAST 91ST STREET, NY, NY 10128						S-1019	
CHECKED ARS		DWG TITLE: SECTIONS						DWG NO. E12	
DATE 6/28/12									



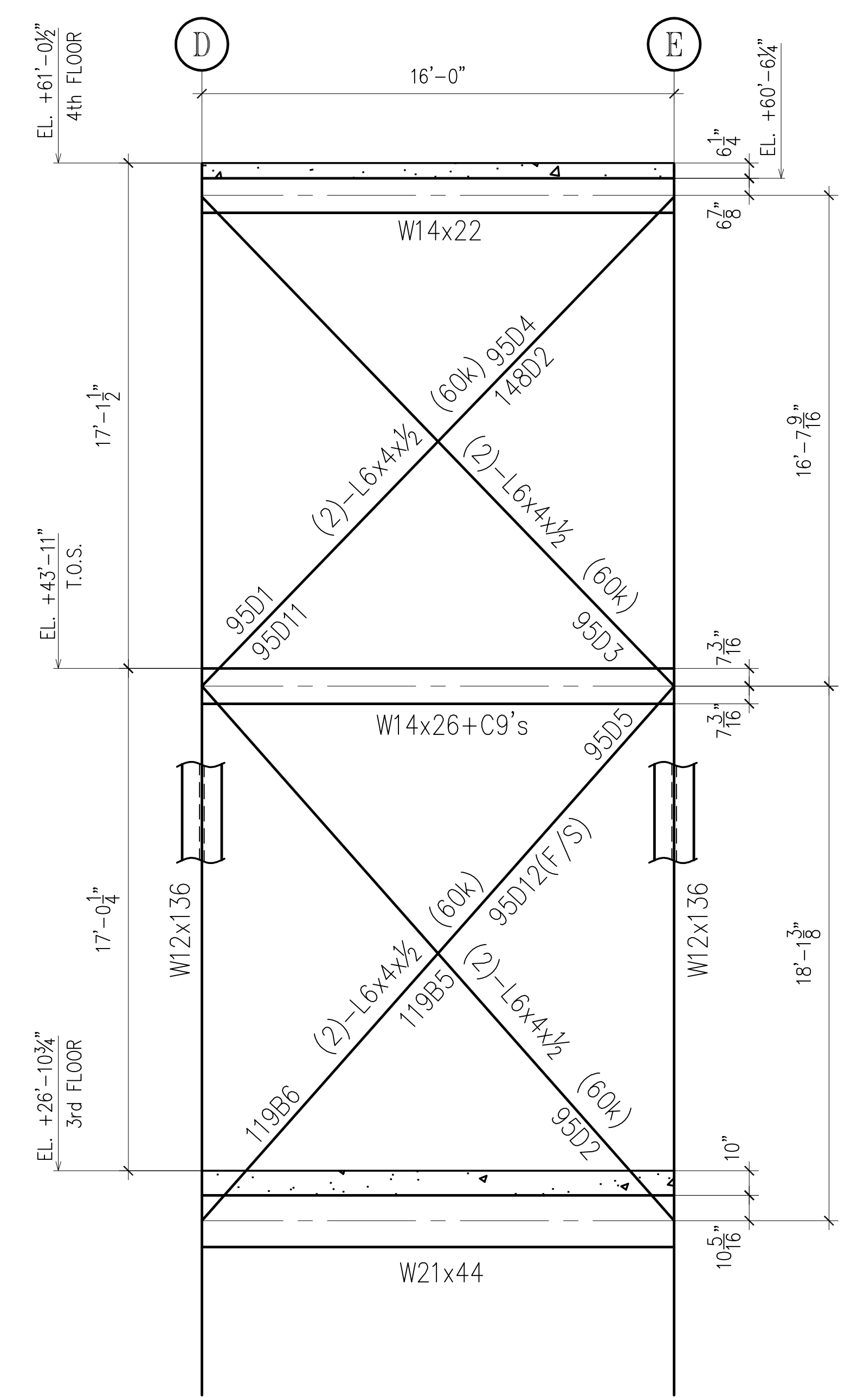
BRACING ELEVATION 1
@ GRID '4.9'
(REF. S-301.00)
(REFER TO SECTION 6/E12)
(BOTH BRACES NEAR SIDE)



BRACING ELEVATION 2
@ GRID '4.9'
(REF. S-301.00)
(REFER TO SECTION 6/E12)
(BOTH BRACES NEAR SIDE)



BRACING ELEVATION 3
@ GRID '4.9'
(REF. S-301.00)
(REFER TO SECTION 6/E12)
(BOTH BRACES NEAR SIDE)



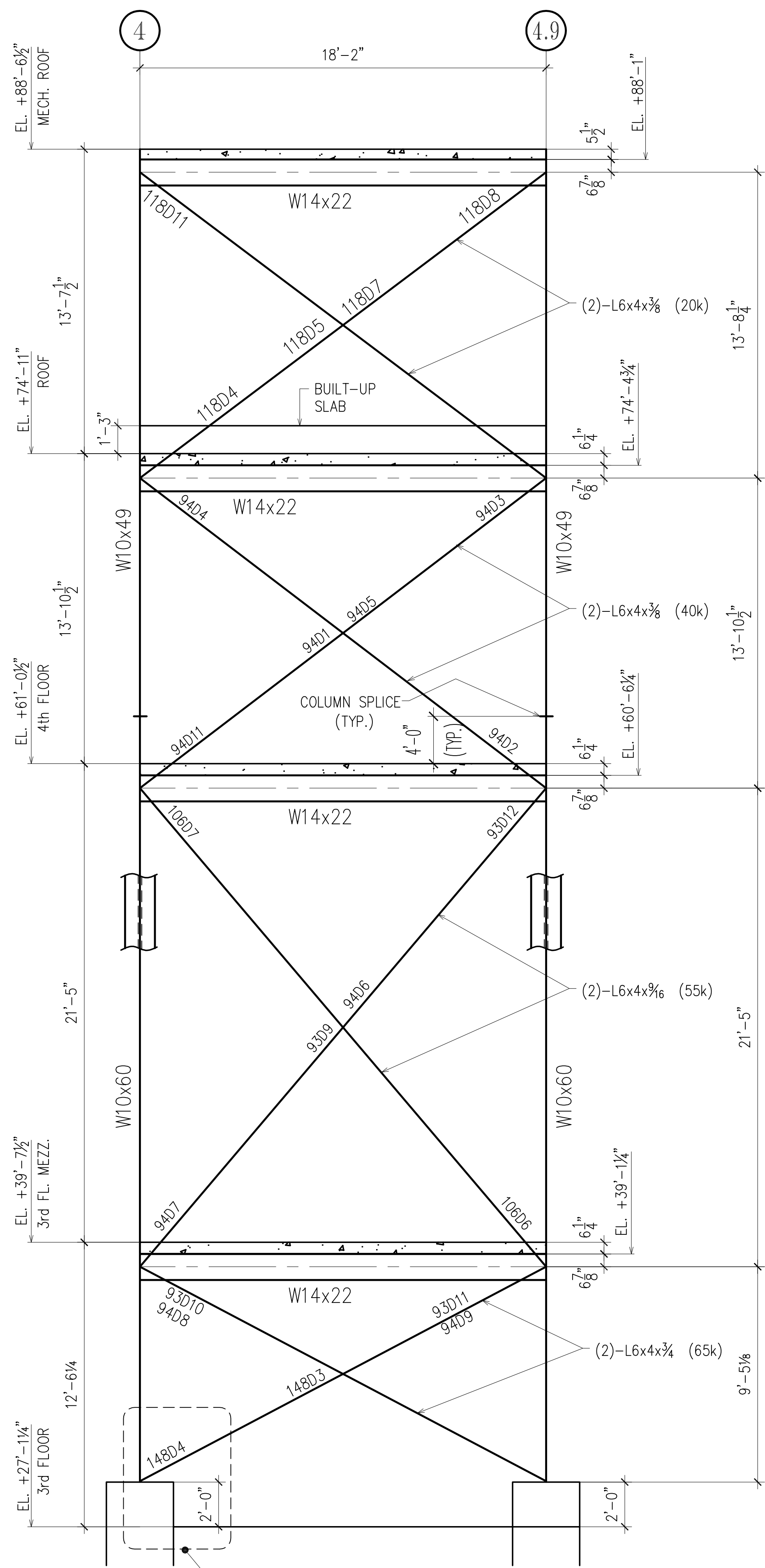
BRACING ELEVATION 4
@ GRID 'I'
(REF. S-301.00)
(REFER TO SECTION 5/E12)(SIM.)
(LONG LEG OF BRACES ARE BACK-TO-BACK)

FOR FIELD USE

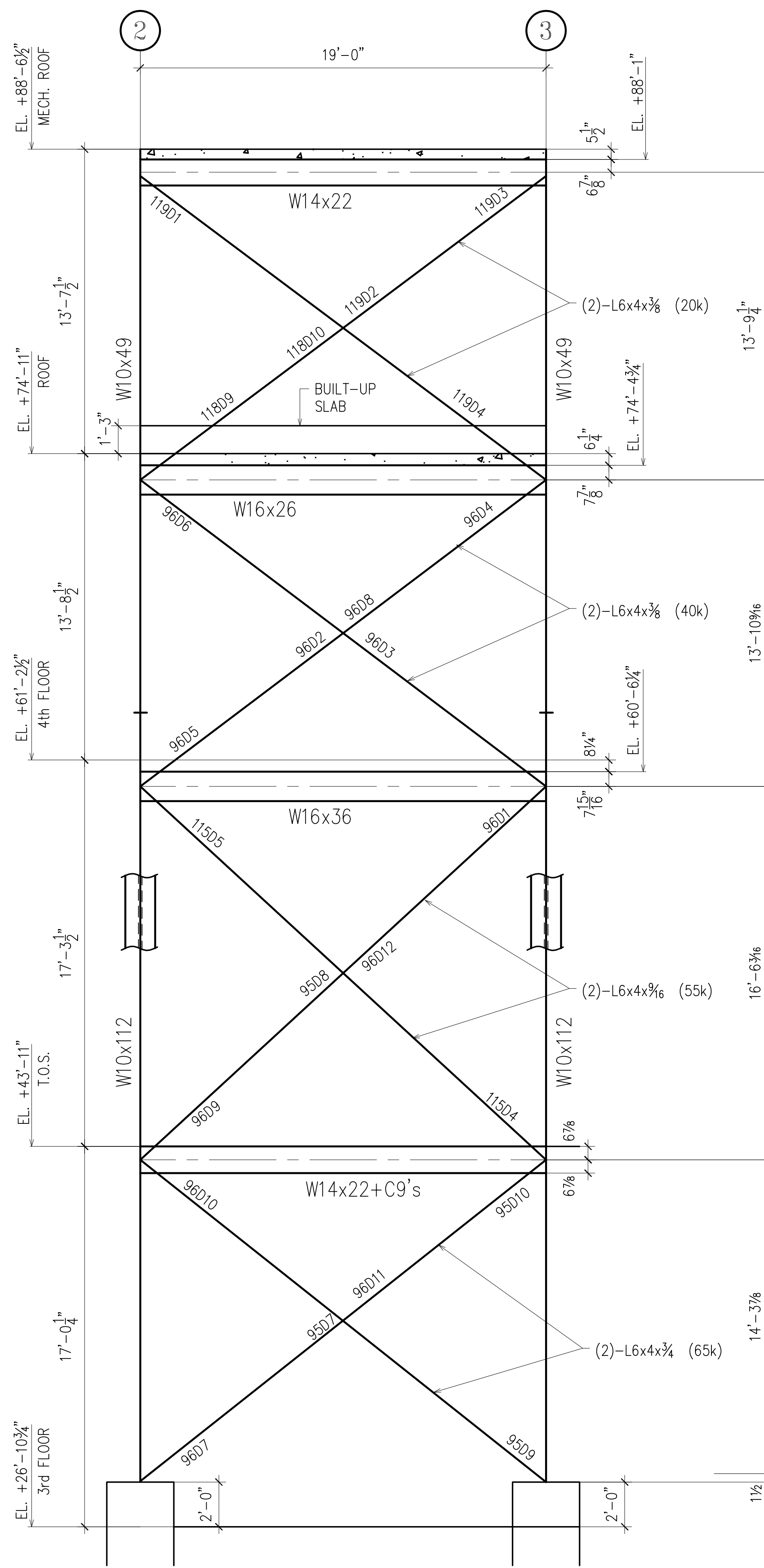
APPROVAL/REVIEW AUTHORITY:
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Phone: (856) 794-9474	
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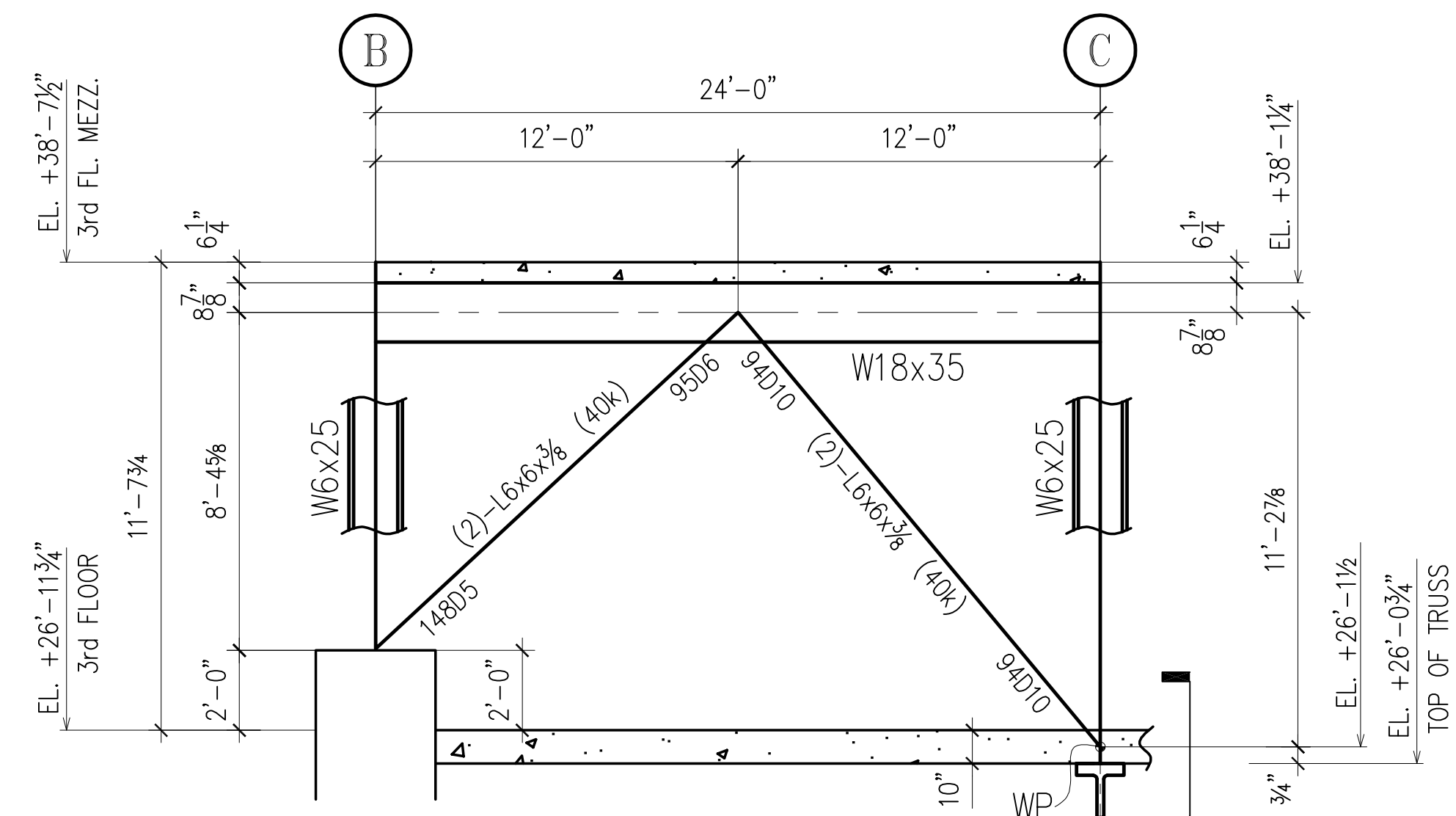
PAINT:		5/7/12	PER APPROVAL	1/13/13	PER CHECK / FOR FIELD USE	FOR FIELD	
MATERIAL:		4/10/12	PER CONTRACT	12/17/12	FOR FIELD USE	4th APPVL	
HOLES:		2/16/12	PER CHECK	9/25/12	ADD BRACE PIECEMARKS	3rd APPVL	
ELECTRODES:		2/1/12	FOR APPROVAL	8/28/12	PER CHECK	2/17/12	2nd APPVL
TOTAL WEIGHT		NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	2/1/12	1st APPVL
SC	BC	BCSC		REVISIONS		DATE	ISSUE
CUSTOMER:							
WEIR WELDING CO. INC.							
316 12th STREET PHONE: (201) 939-2284				CARLSTADT, NJ 07072 FAX: (201) 939-5525			
0							
DRAFTER D5		PROJECT: SACRED HEART CHURCH					CONTRACT NO
DATE 12/8/11		LOCATION: 406 EAST 91ST STREET, NY, NY 10128					S-1019
CHECKED ARS		DWG TITLE: BRACING ELEVATIONS					DWG NO
DATE 6/28/12							E13



BRACING ELEVATION **1**
@ GRID 'A.1' **E14**
(REFER TO SECTION 5/E12)
(LONG LEG OF BRACES ARE BACK-TO-BACK)
(REF. S-301.00)



BRACING ELEVATION **2**
@ GRID 'G.9' **E14**
(REFER TO SECTION 5/E12)
(LONG LEG OF BRACES ARE BACK-TO-BACK)
(REF. S-301.00)



BRACING ELEVATION **3**
@ GRID '5.9' **E14**
(REFER TO SECTION 6/E12)
(BOTH BRACES NEAR SIDE)
(REF. S-301.00)

FOR FIELD USE

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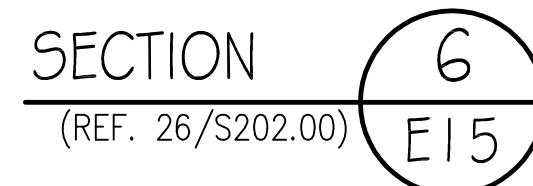
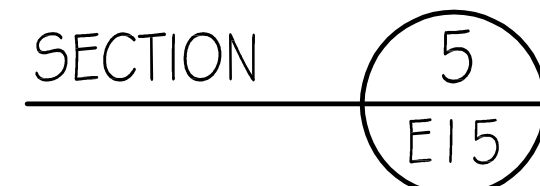
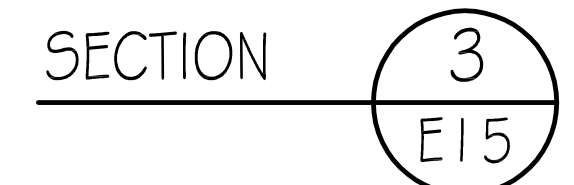
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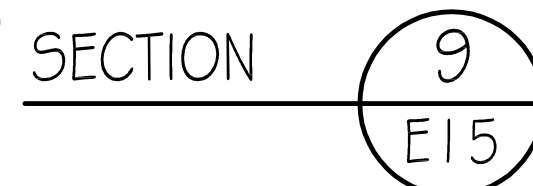
DRAWINGS PREPARED BY:	
DIVISION FIVE DETAILING INC.	
1810 Gallagher Drive	
Vineland, New Jersey 08360	
Phone: (856) 794-9474	
Fax: (856) 696-2027	

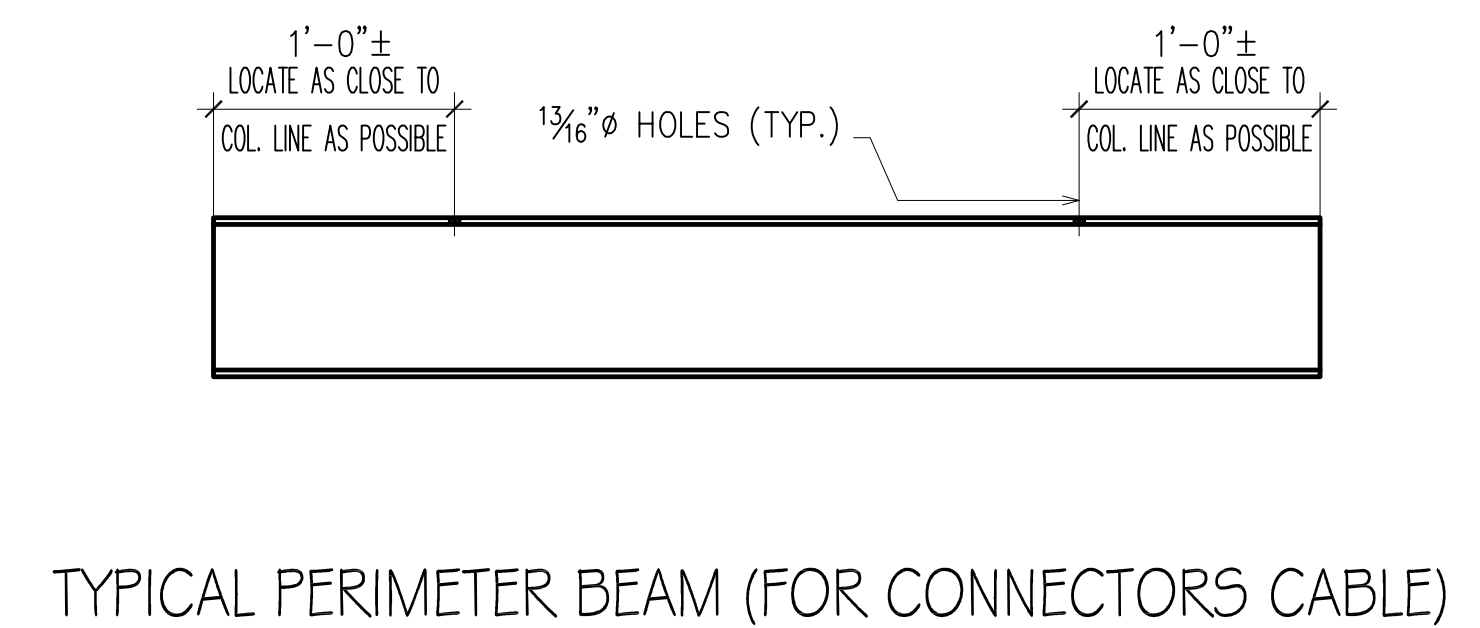
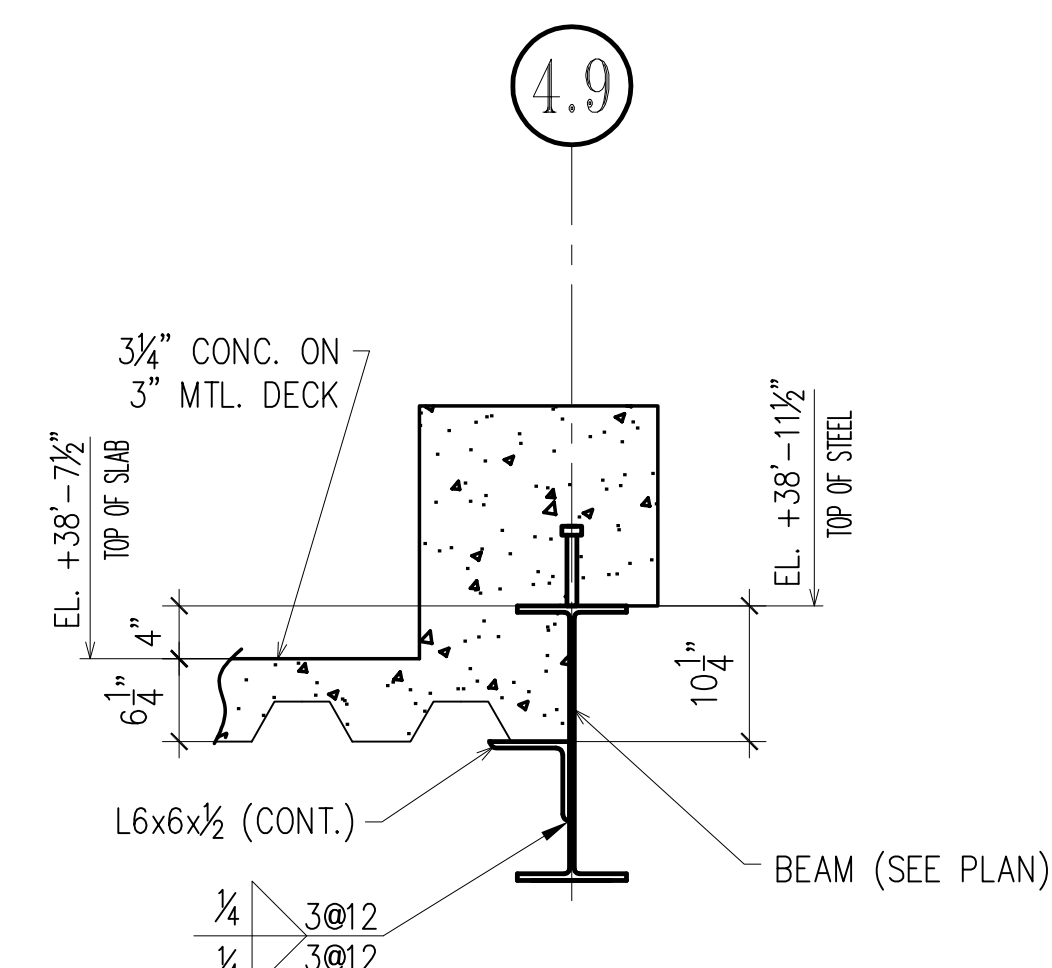
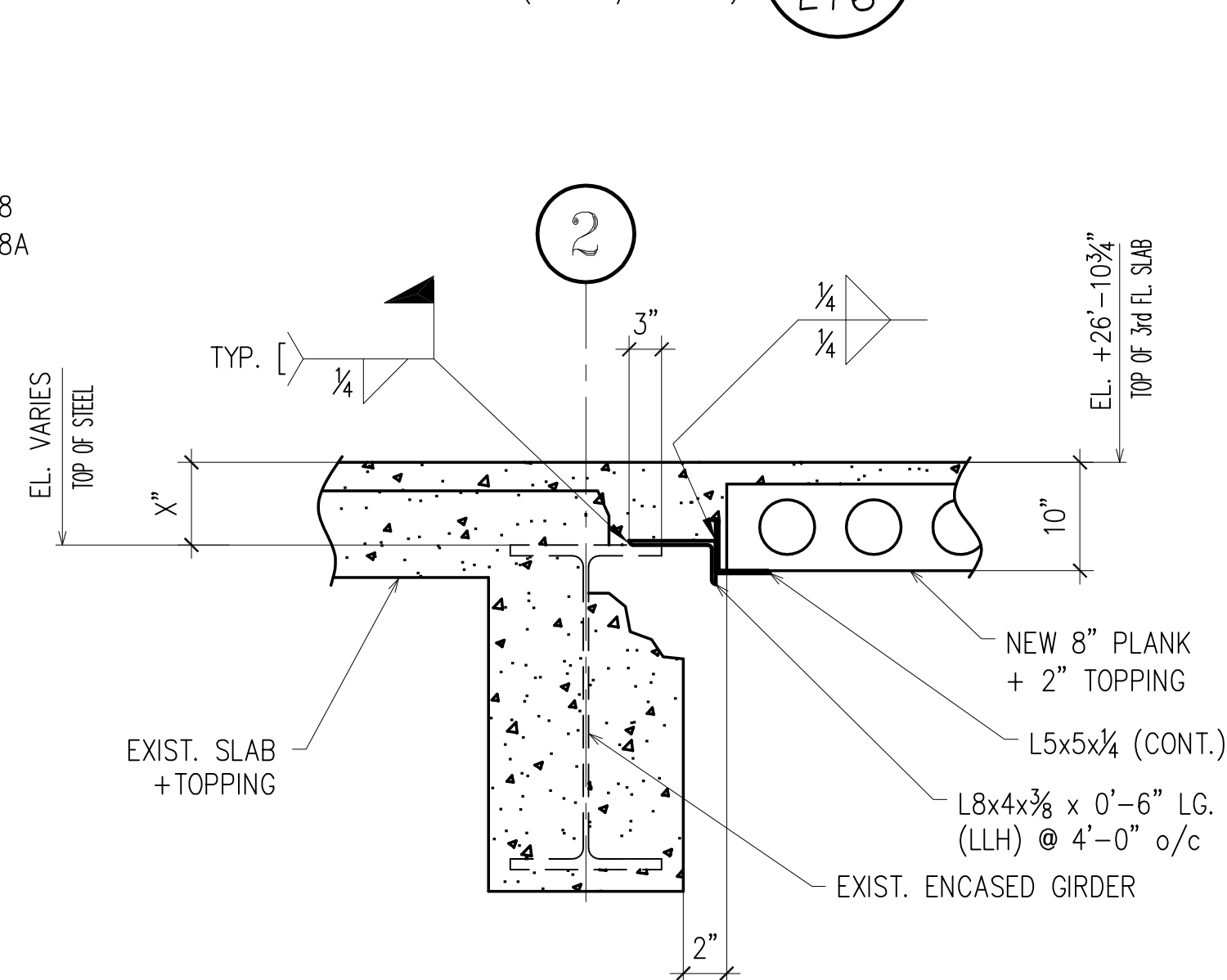
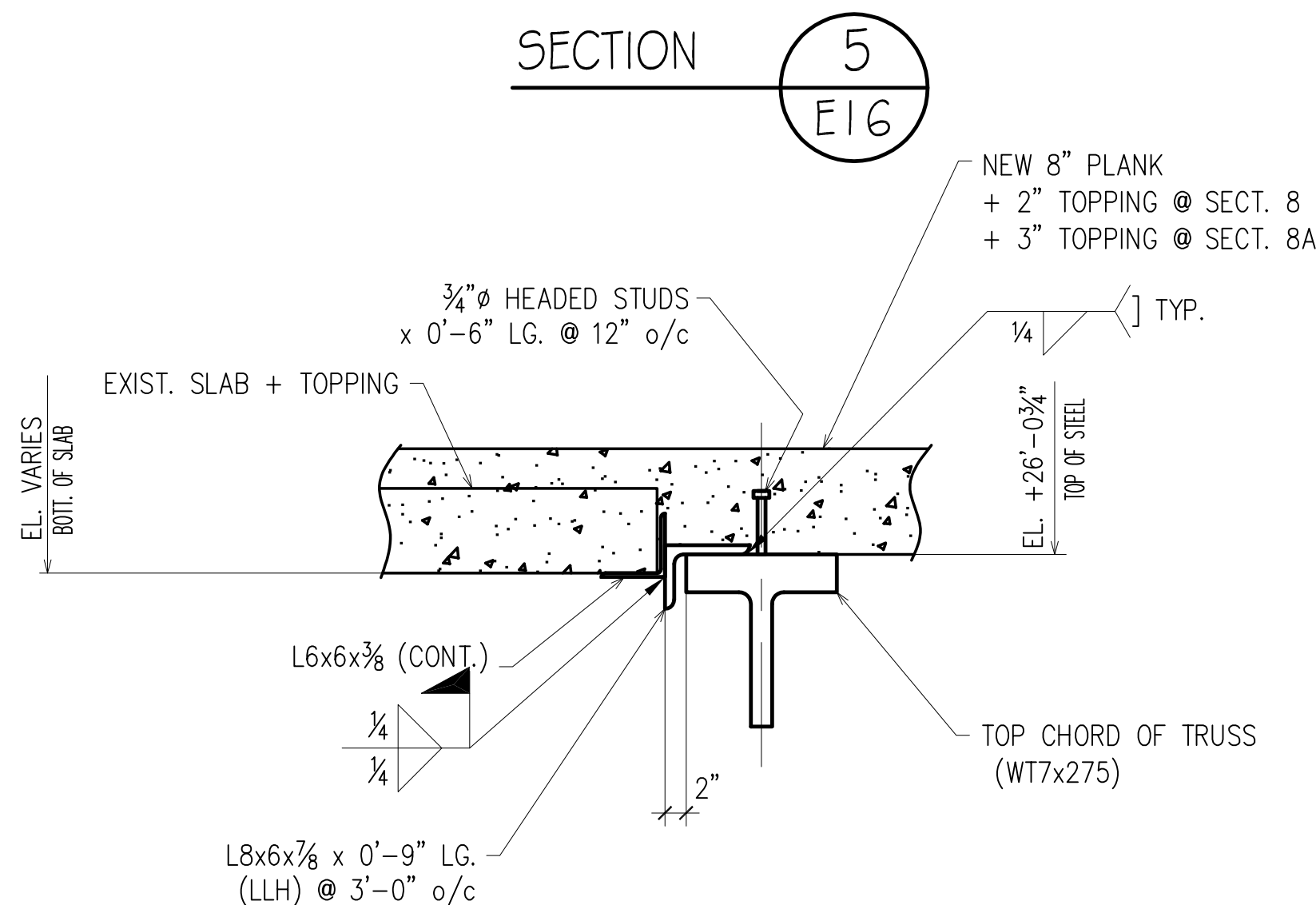
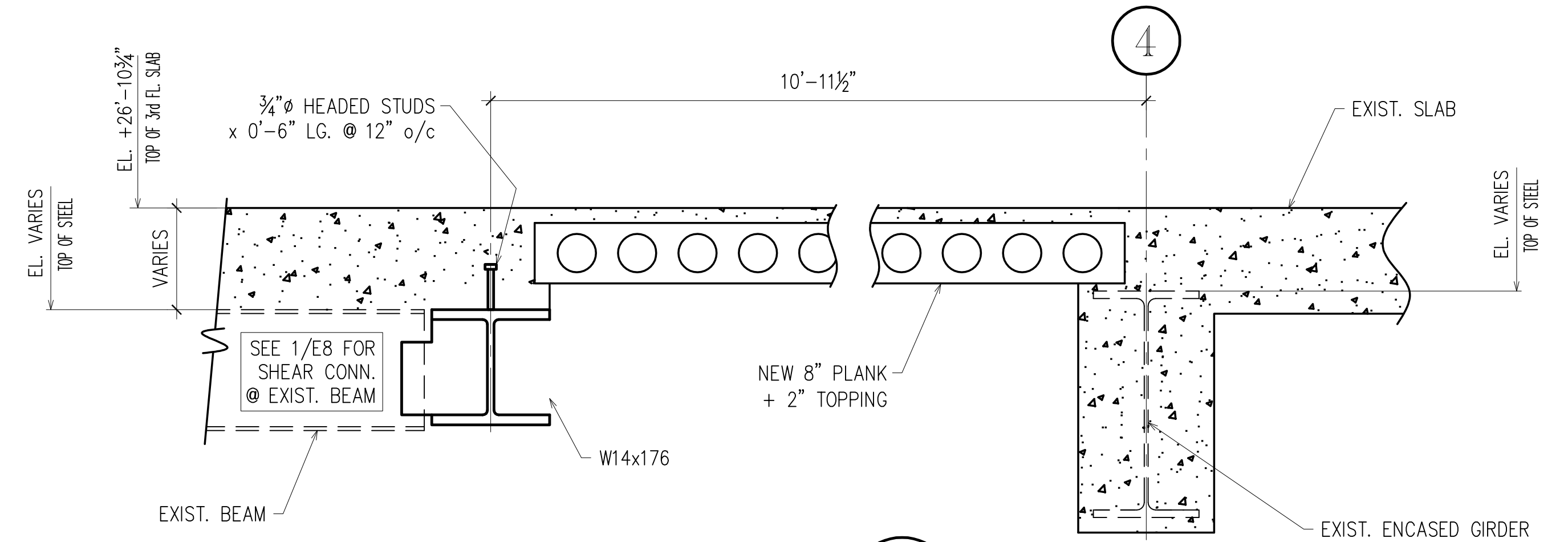
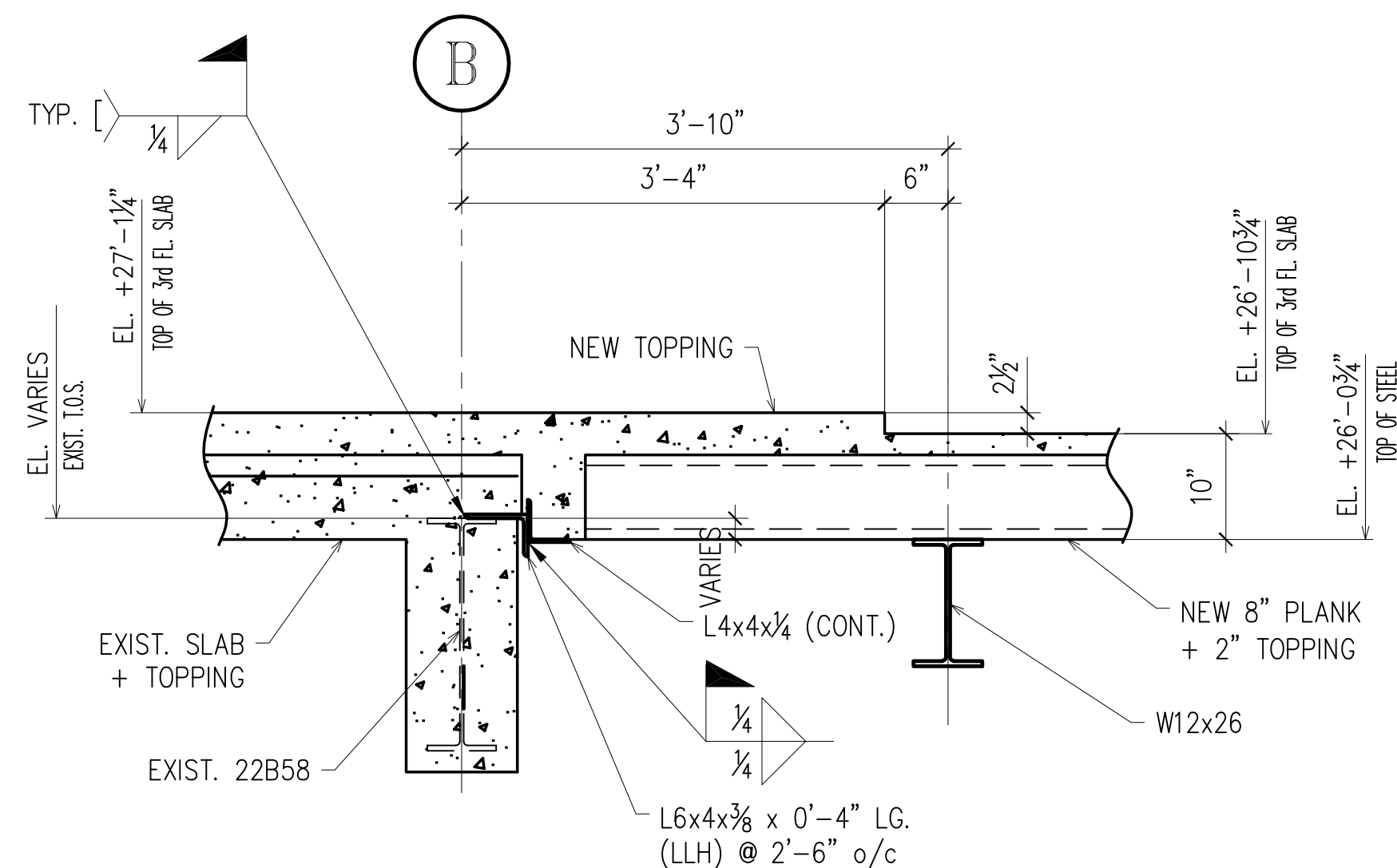
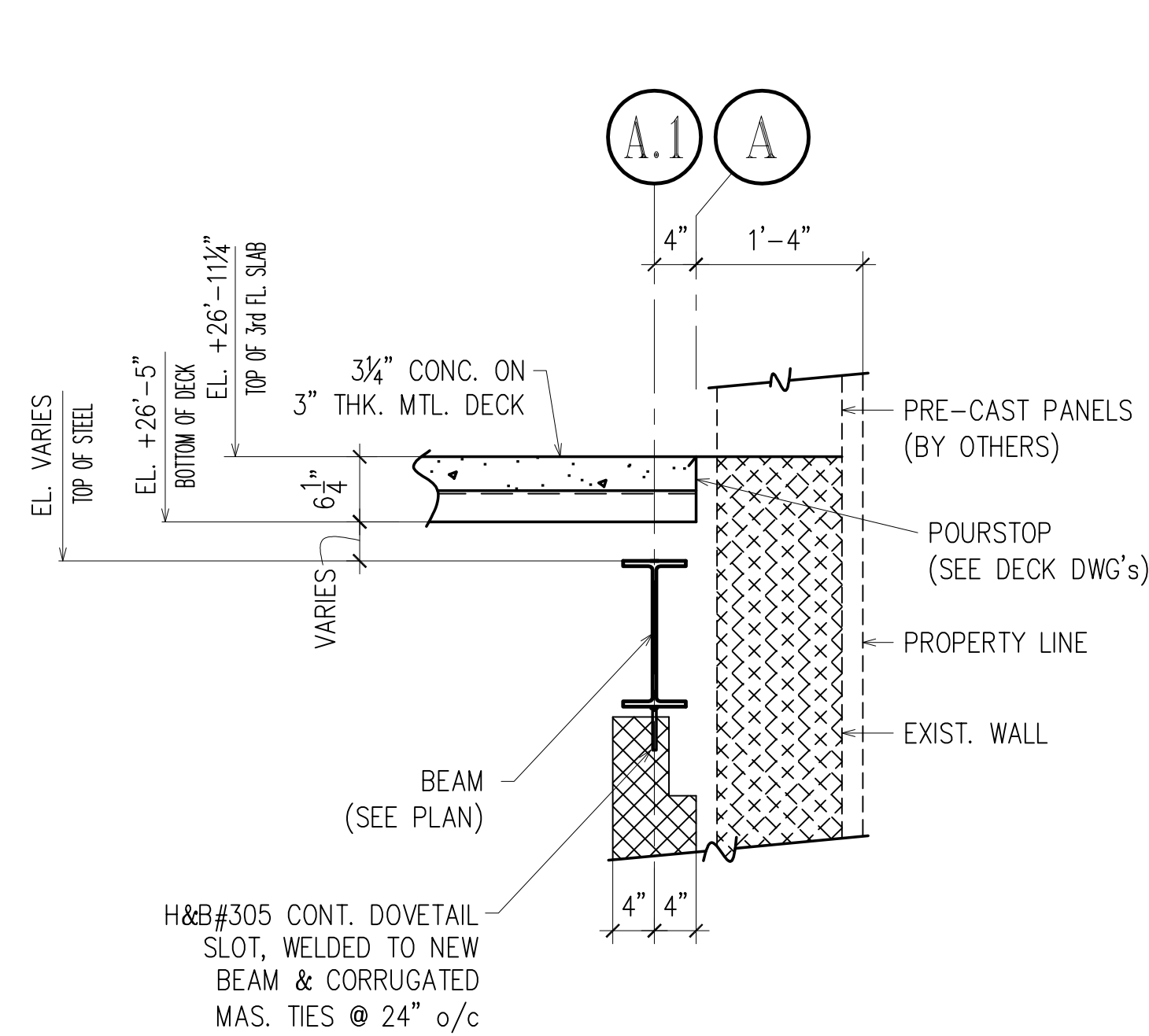
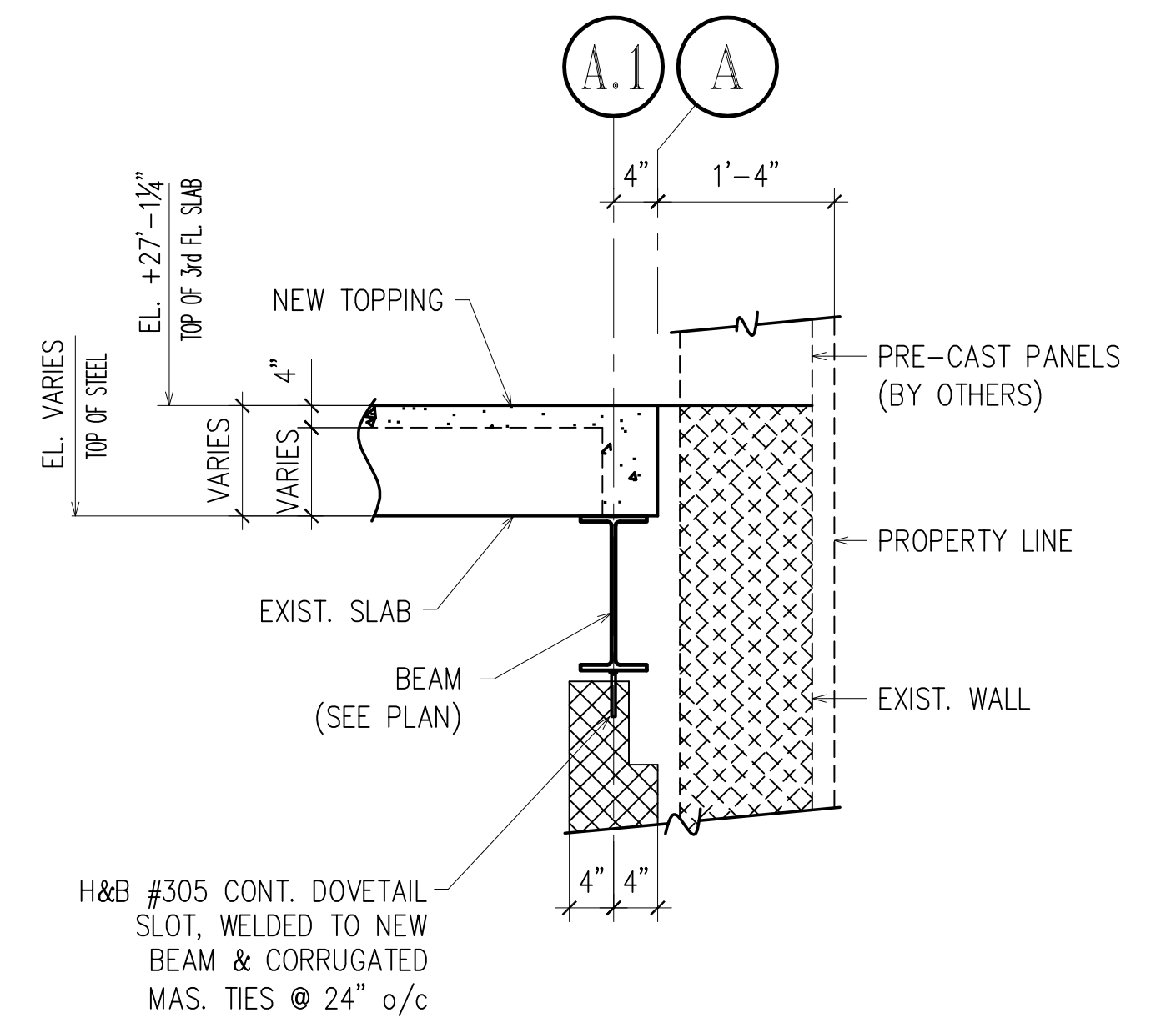
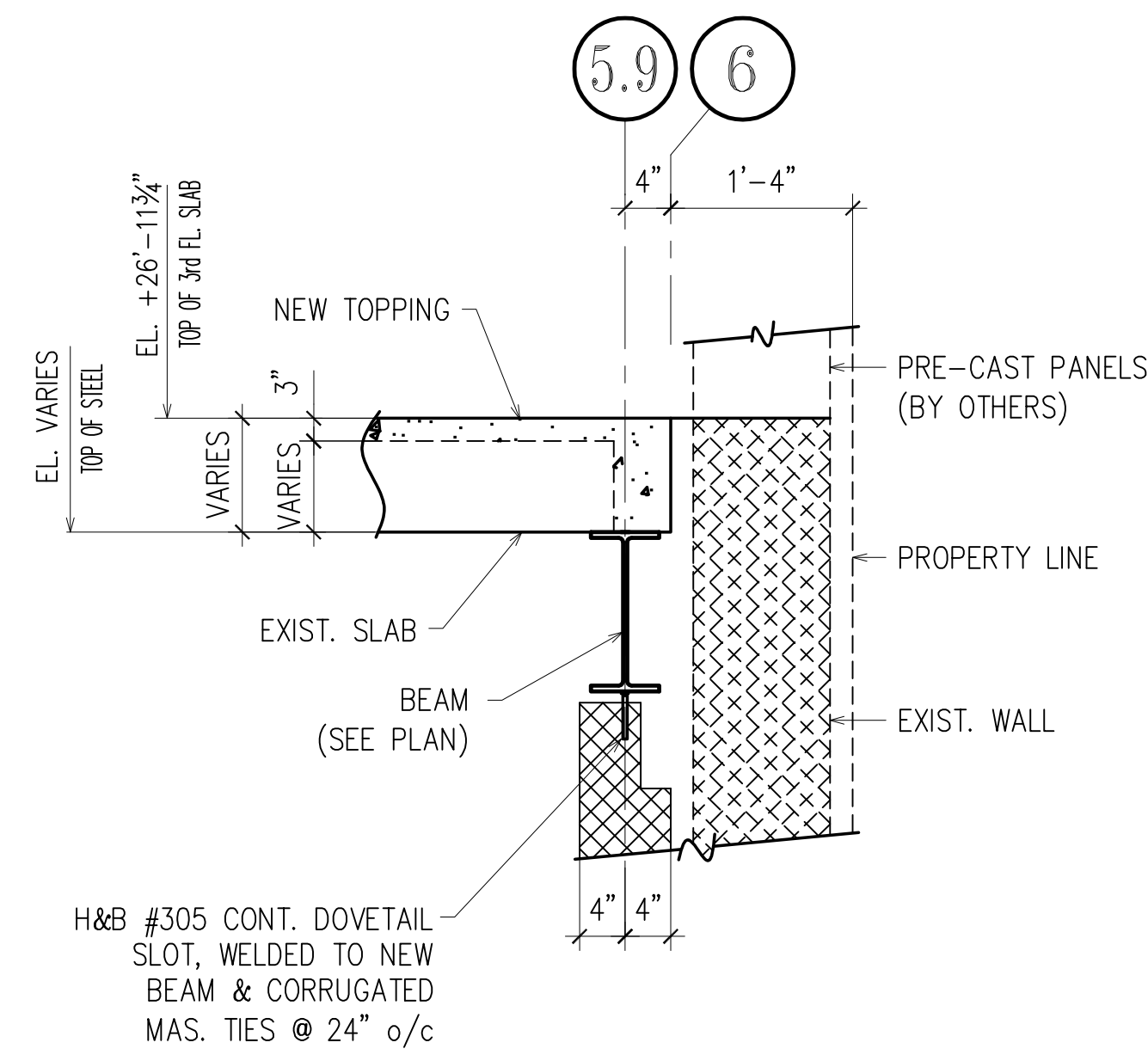
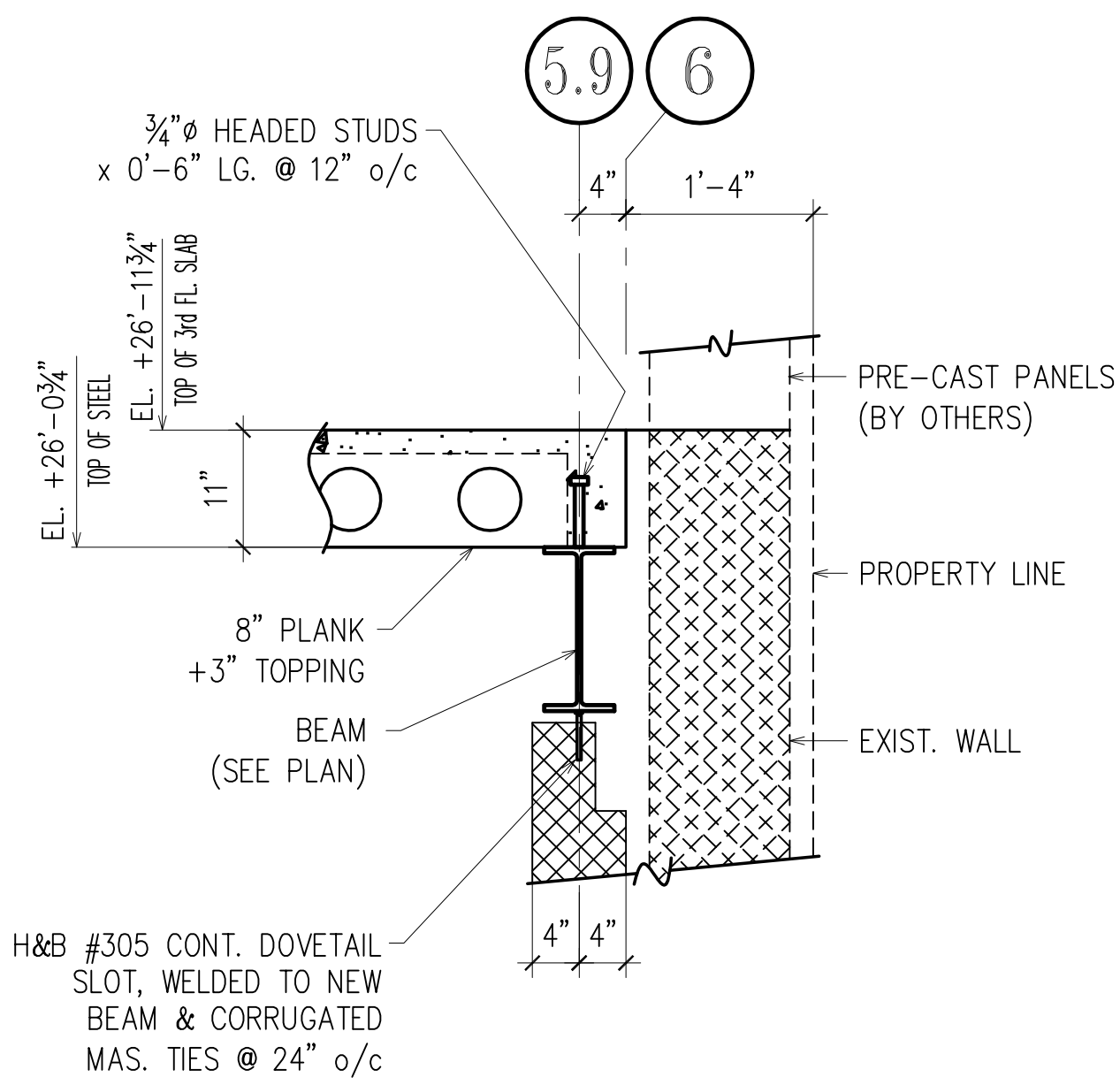
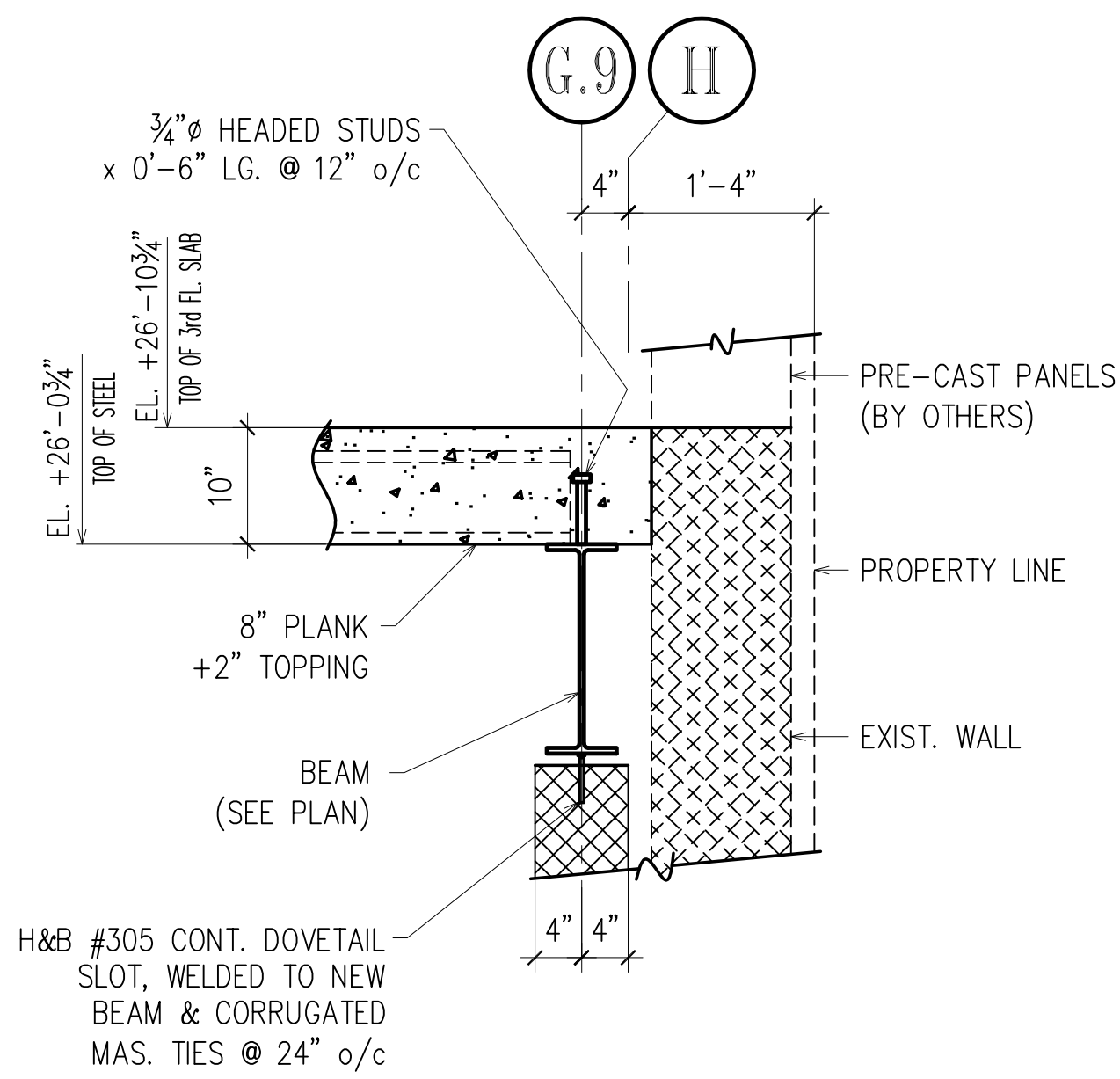
PAINT:		Δ 5/28/12	PER CHECK				FOR FIELD	
MATERIAL:		Δ 5/7/12	PER APPROVAL	Δ 1/3/13	PER CHECK / FOR FIELD USE		4th APPVL	
HOLES:		Δ 2/10/12	PER CHECK	Δ 12/17/12	FOR FIELD USE		3rd APPVL	
ELECTRODES:		Δ 2/1/12	FOR APPROVAL	Δ 9/25/12	ADD BRACE PIECEMARKS	2/17/12	2nd APPVL	
TOTAL WEIGHT		NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	2/1/12	1st APPVL	
SC	BC	BCSC		REVISIONS			DATE	ISSUE
CUSTOMER:								
WEIR WELDING CO. INC.								
316 12th STREET PHONE: (201) 939-2284				CARLSTADT, NJ 07072 FAX: (201) 939-5525				
DRAFTER D5		PROJECT: SACRED HEART CHURCH					CONTRACT NO	
DATE 12/6/11		LOCATION: 406 EAST 91ST STREET, NY, NY 10128					S-1019	
CHECKED ARS		DWG TITLE: BRACING ELEVATIONS					DWG NO	
DATE 6/28/12							E14	



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CUSTOMER:		WEIR WELDING CO. INC.	
		316 12th STREET PHONE: (201) 939-2284	CARLSTADT, NJ 07072 FAX: (201) 939-5525
DRAFTER	DS	PROJECT:	SACRED HEART CHURCH
DATE	12/6/11	LOCATION:	406 EAST 91ST STREET, NY, NY 10128
CHECKED	ARS	DWG TITLE:	SECTIONS
DATE	6/28/12		DWG NO E15





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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	
CUSTOMER:		WEIR WELDING CO. INC.		316 12th STREET PHONE: (201) 939-2284		CARLSTADT, NJ 07072 FAX: (201) 939-5525		PROJECT: SACRED HEART CHURCH		CONTRACT NO. S-1019	
DRAFTER DS		DATE 12/6/11		PROJECT: LOCATION: 406 EAST 91ST STREET, NY, NY 10128		DATE 6/28/12		DWG TITLE: SECTIONS		DWG NO. E16	
CHECKED ARS		DATE 6/28/12		PROJECT: LOCATION: 406 EAST 91ST STREET, NY, NY 10128		DATE 6/28/12		DWG TITLE: SECTIONS		DWG NO. E16	
SC		BC		BSC		REVISIONS		DATE		ISSUE	
PAINT:		5/7/12		PER APPROVAL		FOR FIELD		MATERIAL:		4/10/12	
HOLES:		2/16/12		PER ADDENDUM #3		12/17/12		ELECTRODES:		2/17/12	
TOTAL WEIGHT		NO DATE		DESCRIPTION		NO DATE		DESCRIPTION		2/1/12	
SC		BC		BSC		REVISIONS		DATE		ISSUE	