

ROOF FRAMING PLAN
(RE : 1/S-1)

- NOTES : 1. TOP OF STEEL ELEVATIONS ARE (+X'-X") U.N.O. ON PLAN FROM DATUM EL. (0'-0") (ACTUAL +104.92')
 2. (S) INDICATES SLOPING MEMBER.
 3. - - - INDICATES END CONNECTION OF HORIZ. BRIDGING.
 4. SEE DWG E7 FOR BRACE FRAME ELEVATIONS.
 5. SEE DWG EB FOR WINDOWS HEADER PLAN.
 6. BP ~ INDICATES BEARING PLATE, SEE BEARING PLATES SCHEDULE ON DWG E14
 7. ⚡ DENOTES JOIST CONNECTION TO BEAMS/COLUMNS TO BE FIELD BOLTED

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: A572

SHOP CONNECTION
 WELDED: E70xx
 BOLTED: 3/4" A325-N

FIELD CONNECTION
 WELDED: AS SHOWN ON PLAN (UNLESS NOTED ON PLAN)
 BOLTED: 3/4" A325-N (UNLESS NOTED ON PLAN)
 TIGHTENED TO "SNUG TIGHT" CONDITION

FINISH
 ONE COAT ALKYD RUST INHIBITIVE PRIMER (UNLESS NOTED)
 NO PAINT STEEL TO RECEIVE FIREPROOFING
 NO PAINT WITHIN 3" OF HOLES FOR SLIP CRITICAL BOLTS
 GALVANIZE ALL STEEL EXPOSED TO WEATHER
 ALL STEEL IN EXT. UNHEATED SPACES OR EXPOSED TO WEATHER SHALL BE POWER TOOL CLEANED AND PAINTED W/ AN OIL BASE PAINT

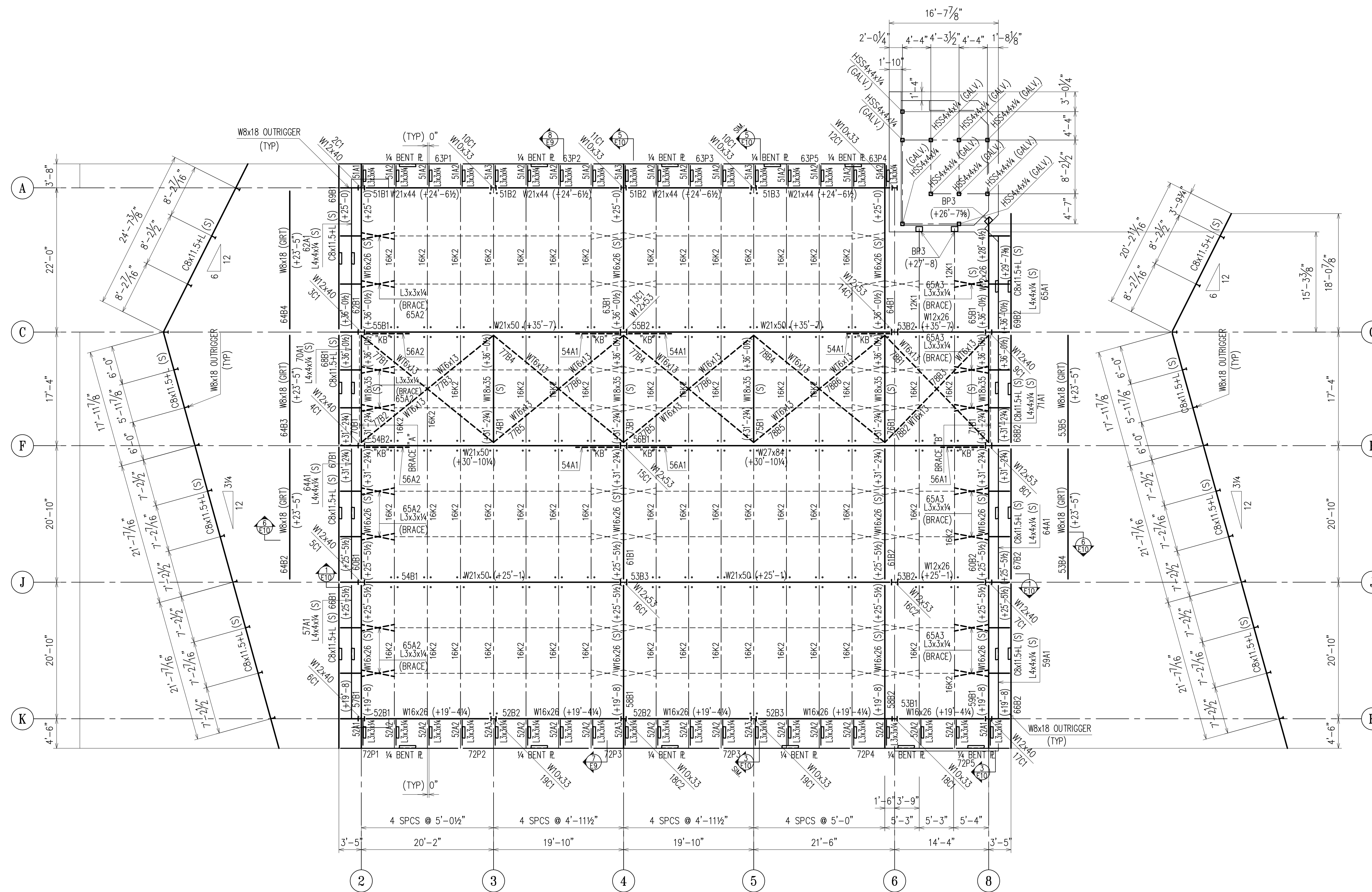
FOR ERECTION

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

PAIN:	5/16/12	PER APPROVAL			FOR FIELD
MATERIAL:	4/23/12	PER CHECK			4th APPVL
HOLES:	4/16/12	ADD MARKINGS & PER ADDENDUM	6/21/12	PER CHECK	3rd APPVL
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL	6/19/12	REV. STAIR COL. MARKS	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BSCC		REVISIONS	DATE
CUSTOMER:					
DRAFTER D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO
DATE 2/08/12	LOCATION:	VOORHEES, NJ			
CHECKED DFD	DWG TITLE:	ROOF FRAMING PLAN			DWG NO
DATE 5/17/12					E1

ERECTOR'S
NORTH

TRUE
NORTH



APPARATUS ROOM ROOF FRAMING PLAN (PHASE I)

(RE : 1/S-2)

- NOTES : 1. TOP OF STEEL ELEVATIONS ARE (+X'-X") U.N.O. ON PLAN FROM DATUM EL. (0'-0") (ACTUAL +104.92')
2. (S) INDICATES SLOPING MEMBER.
3. SEE DWG E7 FOR BRACE FRAME ELEVATIONS.
4. BP ~ INDICATES BEARING R., SEE BEARING PLATES SCHEDULE ON DWG E14
5. "KB" ~ INDICATES KNEE BRACE, SEE DWG E14 FOR DETAIL.
6. FOR GENERAL NOTES, SEE DWG. E1
7. ⚡ DENOTES JOIST CONNECTION TO BEAMS/COLUMNS TO BE FIELD BOLTED

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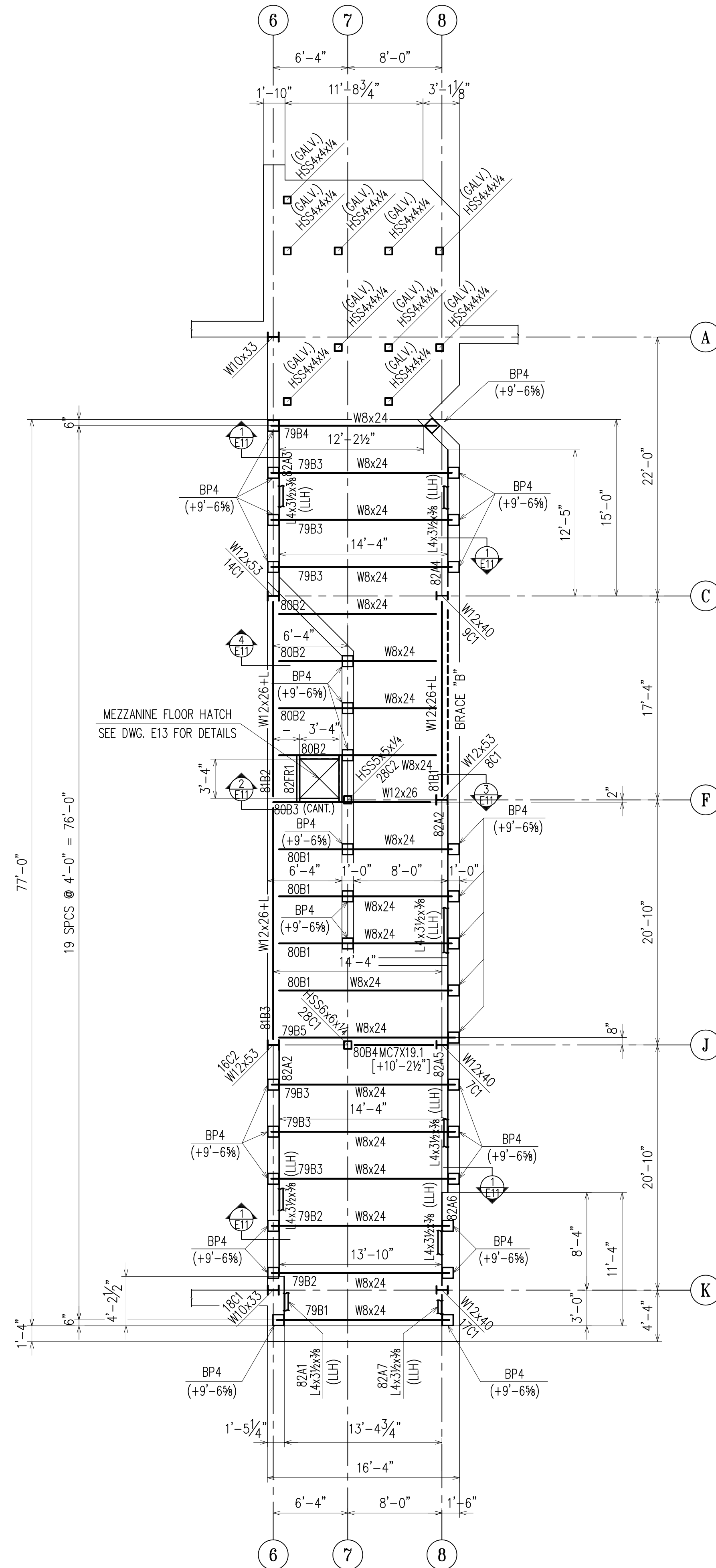
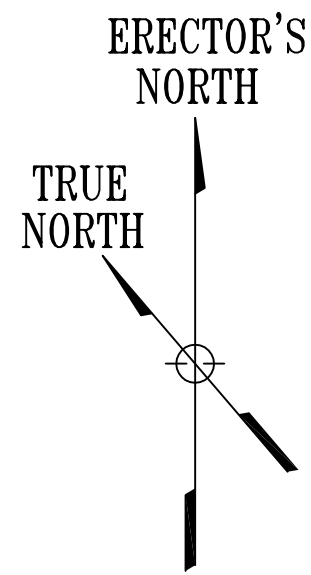
Fax: (856) 696-2027

FOR ERECTION

PAIN:	5/16/12	PER APPROVAL			FOR FIELD
MATERIAL:	4/23/12	PER CHECK			4th APPVL
HOLES:	4/16/12	ADD MARKINGS			3rd APPVL
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL	5/22/12	PER CHECK	2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

CUSTOMER:

DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION	CONTRACT NO.
DATE	2/08/12	LOCATION:	VOORHEES, NJ	
CHECKED	DFD	DWG TITLE:	APPARATUS ROOM ROOF FRAMING PLAN	DWG NO.
DATE	5/17/12			E2



MEZZANINE FRAMING PLAN (PHASE 1A)
(RE : 1/S-3)

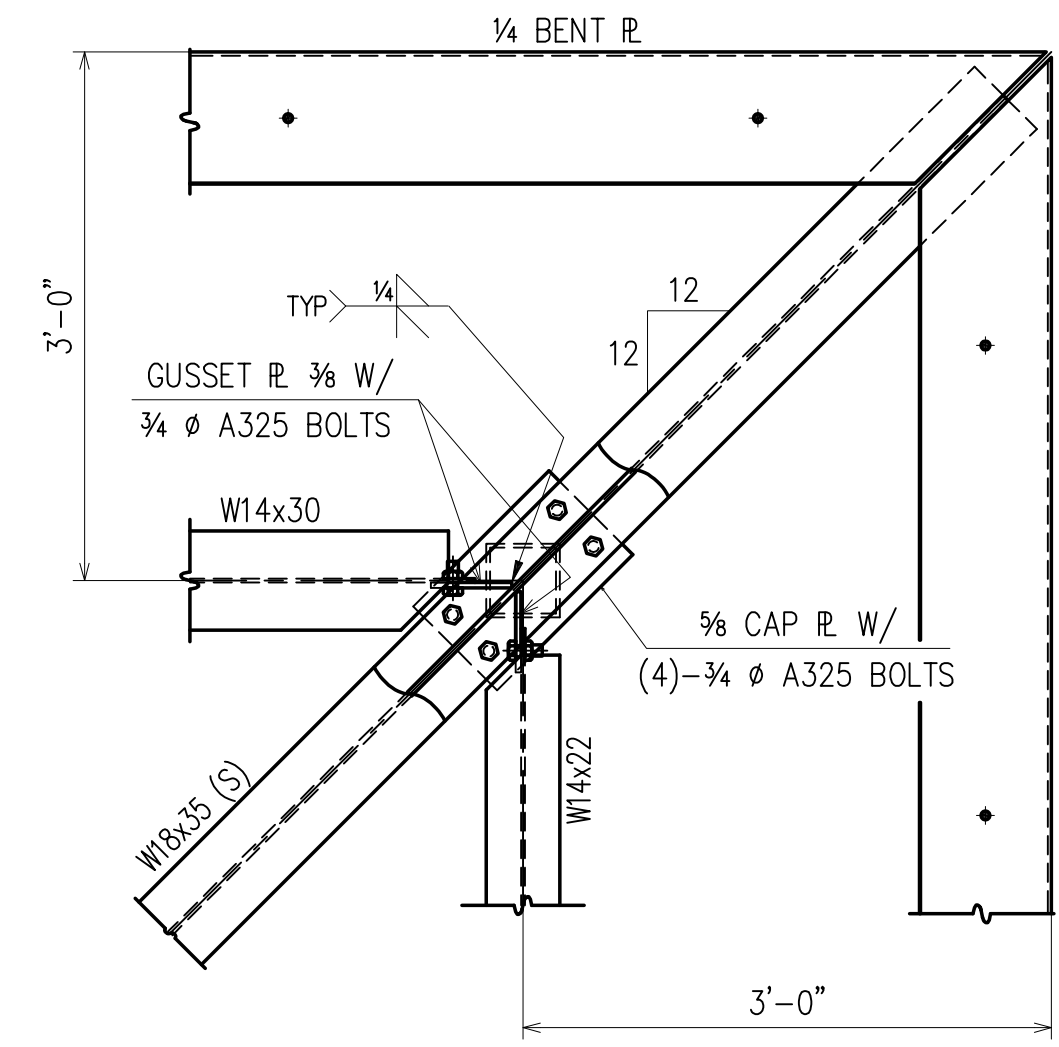
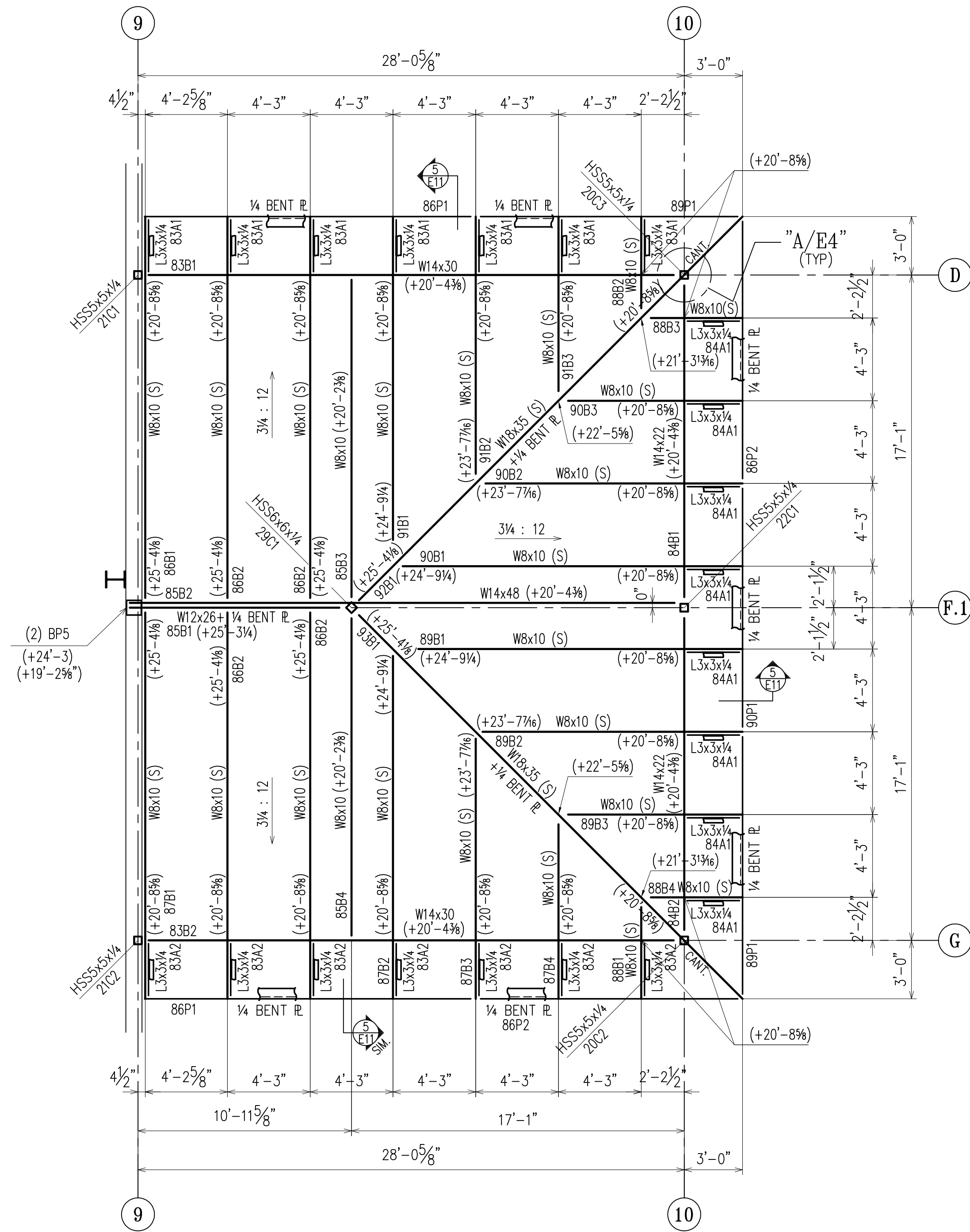
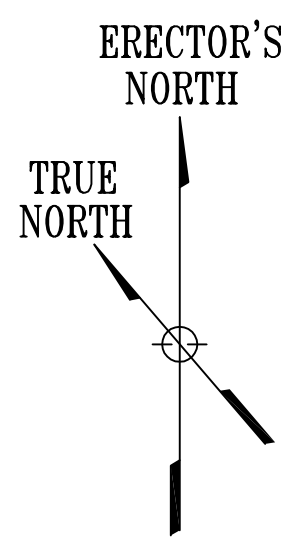
- NOTES :
1. TOP OF STEEL ELEVATIONS ARE (+10'-2 1/2") U.N.O. ON PLAN FROM DATUM EL. (+0'-0") (ACTUAL 104.92')
 2. SEE DWG E7 FOR BRACE FRAME ELEVATIONS.
 3. BP ~ INDICATES BEARING PLATE, SEE BEARING PLATES SCHEDULE ON DWG E14
 4. FOR GENERAL NOTES, SEE DWG. E1
 5. [+X'-X"] INDICATES BOTTOM OF STEEL ELEVATIONS.

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PAIN:	5/16/12	PER APPROVAL			FOR FIELD
MATERIAL:	4/23/12	PER CHECK			4th APPVL
HOLES:	4/16/12	ADD MARKINGS & PER ADDENDUM			3rd APPVL
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL			2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

CUSTOMER:					
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION	CONTRACT NO.	
DATE	3/08/12	LOCATION:	VOORHEES, NJ		
CHECKED	DFD	DWG TITLE:	MEZZANINE FRAMING PLAN (PHASE 1A)	DWG NO.	E.3
DATE	5/17/12				

FOR ERECTION



DETAIL A
(RE : 7/S-3)

CLERESTORY ROOF FRAMING PLAN (PHASE II)
(RE : 5/S-3)

- NOTES : 1. TOP OF STEEL ELEVATIONS ARE (+X'-X") U.N.O. ON PLAN FROM DATUM EL. (+0'-0") (ACTUAL 104.92')
 2. (S) INDICATES SLOPING MEMBERS
 3. BP ~ INDICATES BEARING R., SEE BEARING PLATES SCHEDULE ON DWG E14
 4. FOR GENERAL NOTES, SEE DWG. E1

PAINT:	5/16/12	PER APPROVAL				FOR FIELD	
MATERIAL:	4/23/12	PER CHECK				4th APPVL	
HOLES:	4/16/12	ADD MARKINGS				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL				2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE

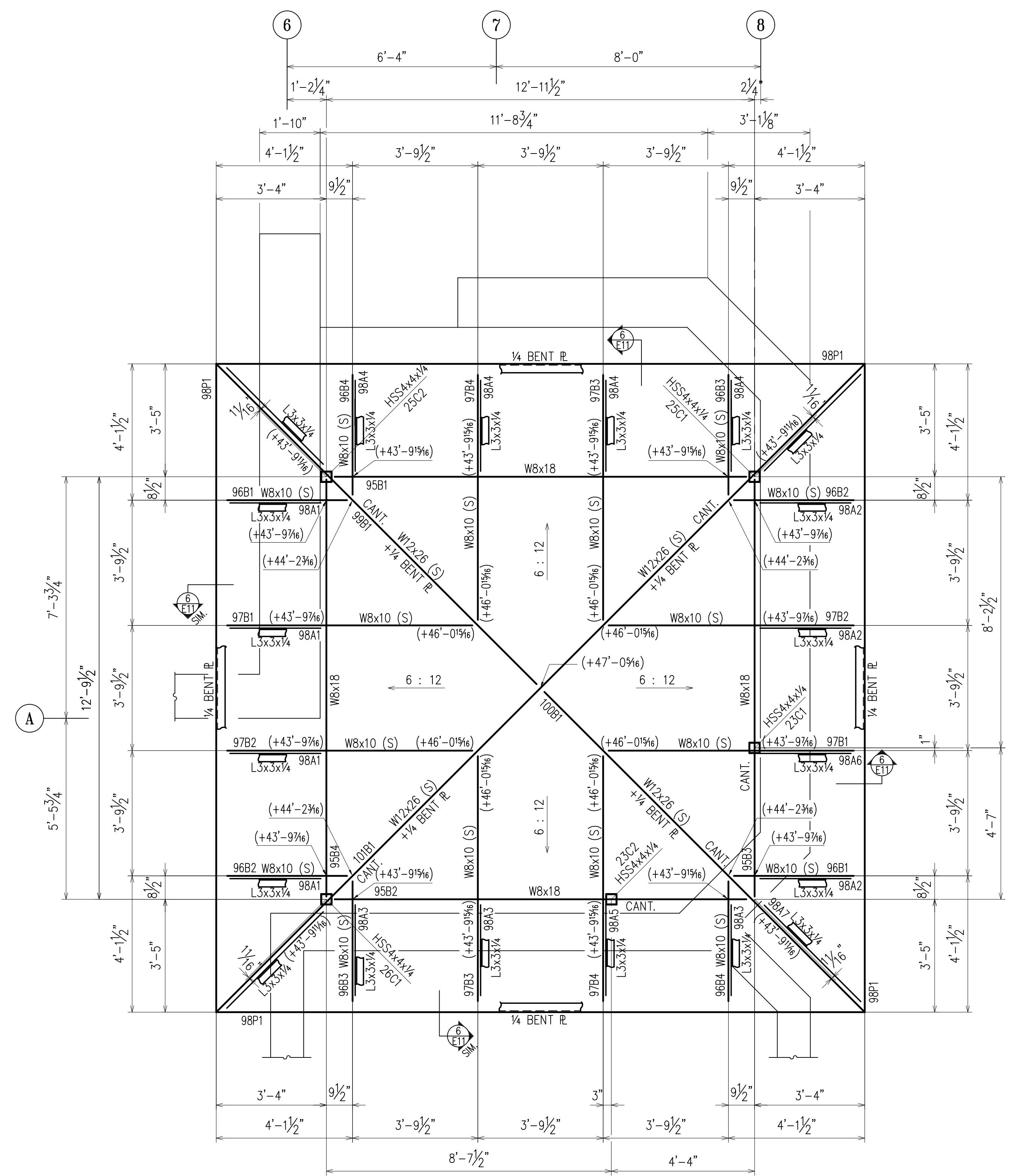
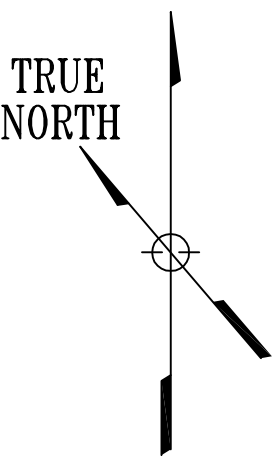
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CUSTOMER:

DRAFTER D5	PROJECT:	NEW VOORHEES FIRE STATION	CONTRACT NO.
DATE 3/08/12	LOCATION:	VOORHEES, NJ	
CHECKED DFD	DWG TITLE:	CLERESTORY ROOF FRAMING PLAN (PHASE II)	DWG NO.
DATE 5/17/12			E4

ERECTOR'S NORTH



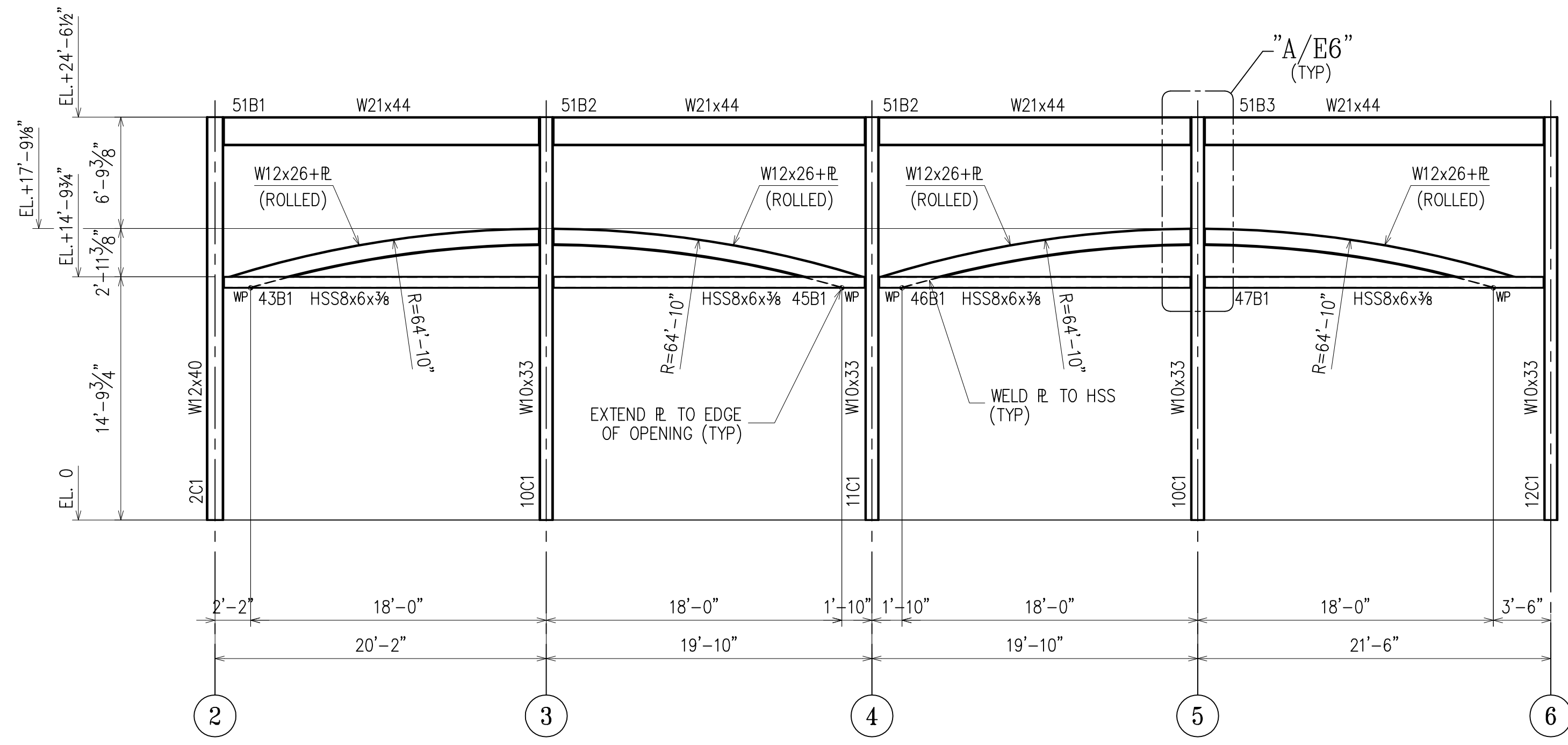
STAIR ROOF FRAMING PLAN (PHASE II)
(RE : 1/S-4)

- NOTES : 1. TOP OF STEEL ELEVATIONS ARE (+43'-1") U.N.O. ON PLAN FROM DATUM EL. (+0'-0") (ACTUAL 104.92')
 2. FOR GENERAL NOTES, SEE DWG. E1
 3. (S) INDICATES SLOPING MEMBERS
 4. ALL STEEL MEMBER TO BE HOT-DIPPED GALVANIZED

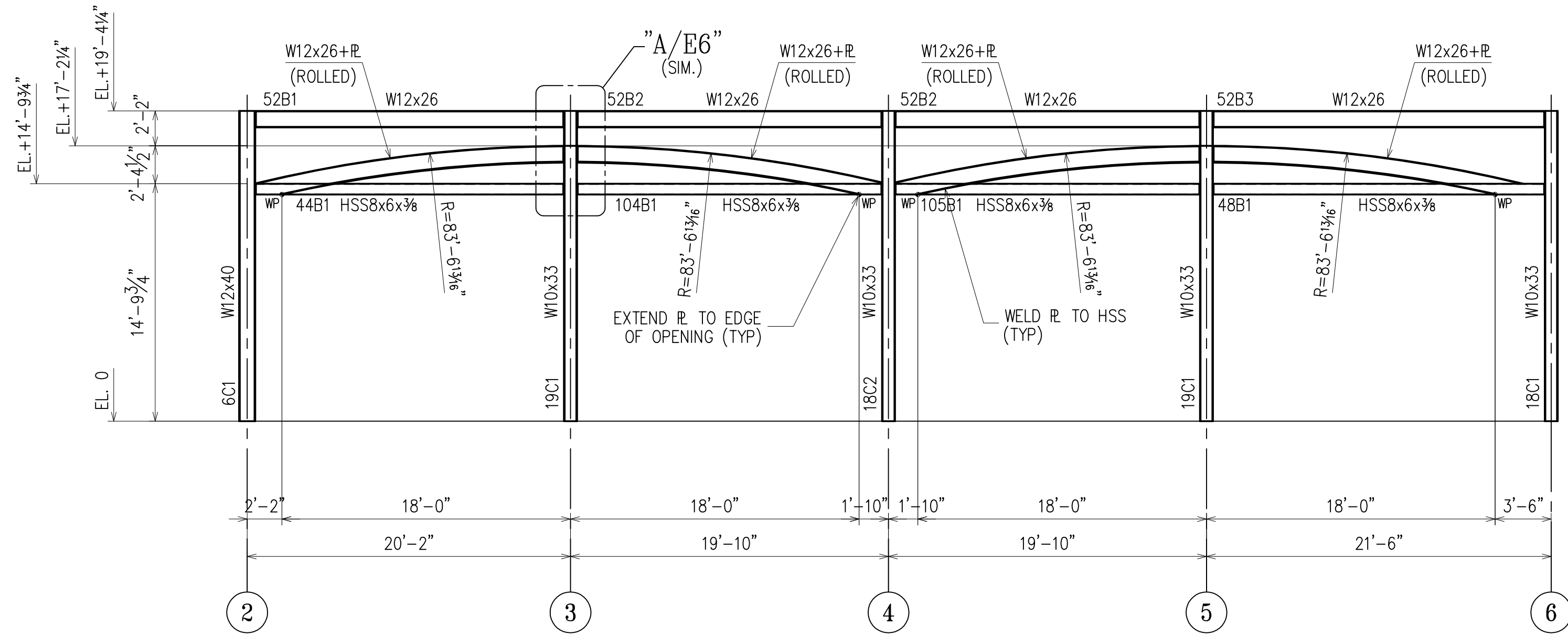
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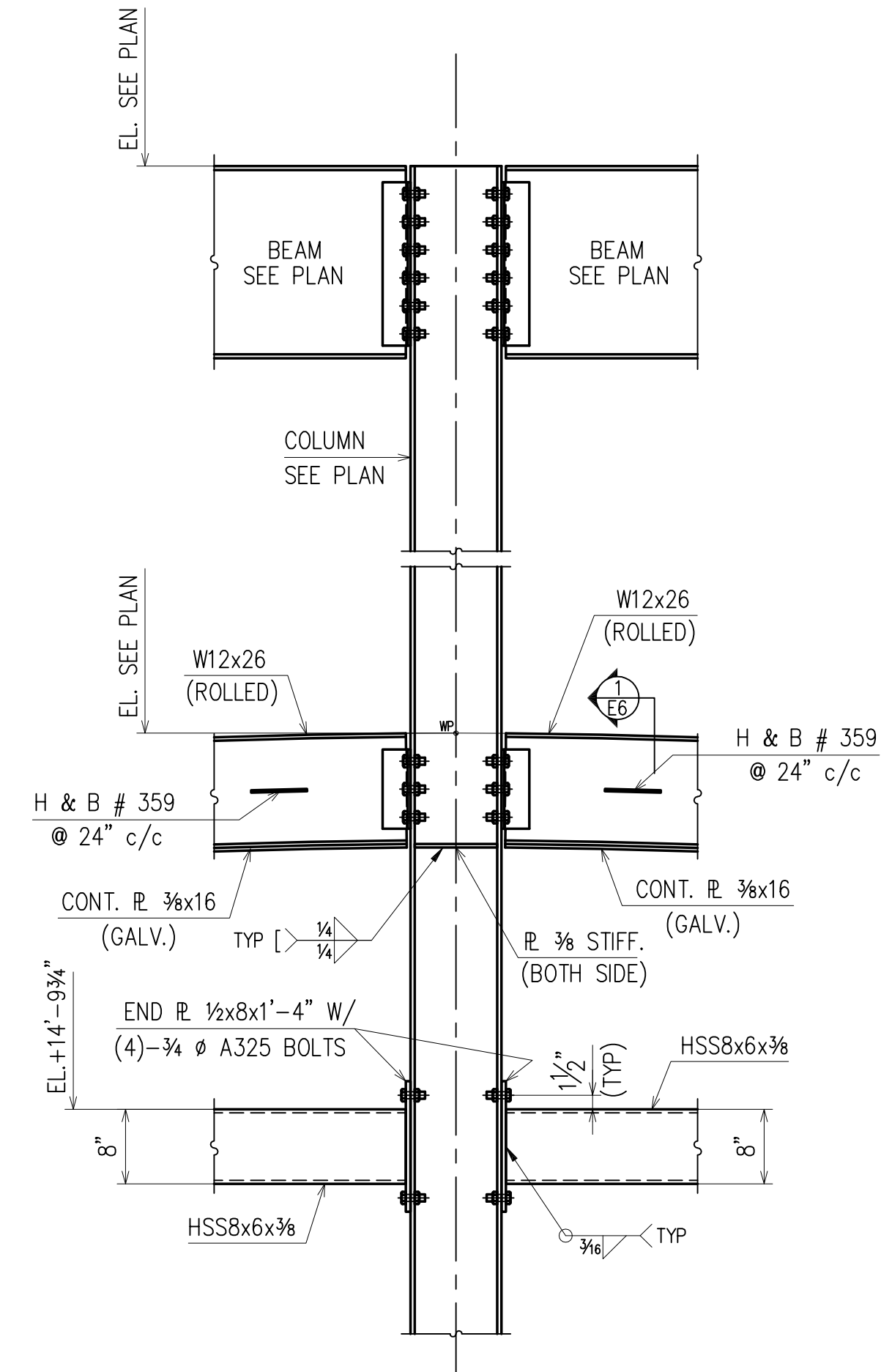
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MATERIAL:	4/23/12	PER CHECK				4th APPVL	
HOLES:	4/06/12	ADD MARKINGS				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL				2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:							
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO	
DATE	3/08/12	LOCATION:	VOORHEES, NJ				
CHECKED	DFD	DWG TITLE:	STAIR ROOF FRAMING PLAN (PHASE II)			DWG NO	
DATE	5/17/12					E5	



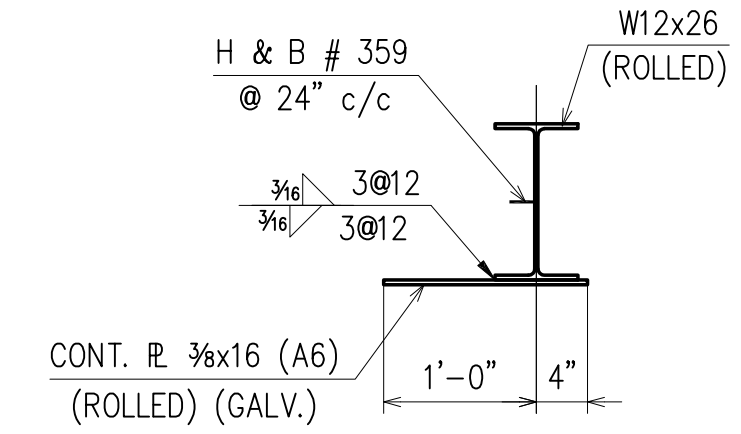
FRAME ELEVATION LINE A
(RE : 9/S-2)
(E1,E2)



FRAME ELEVATION LINE K
(RE : 9/S-2)
(E1,E2)



DETAIL A
(RE : 10/S-2)
E6

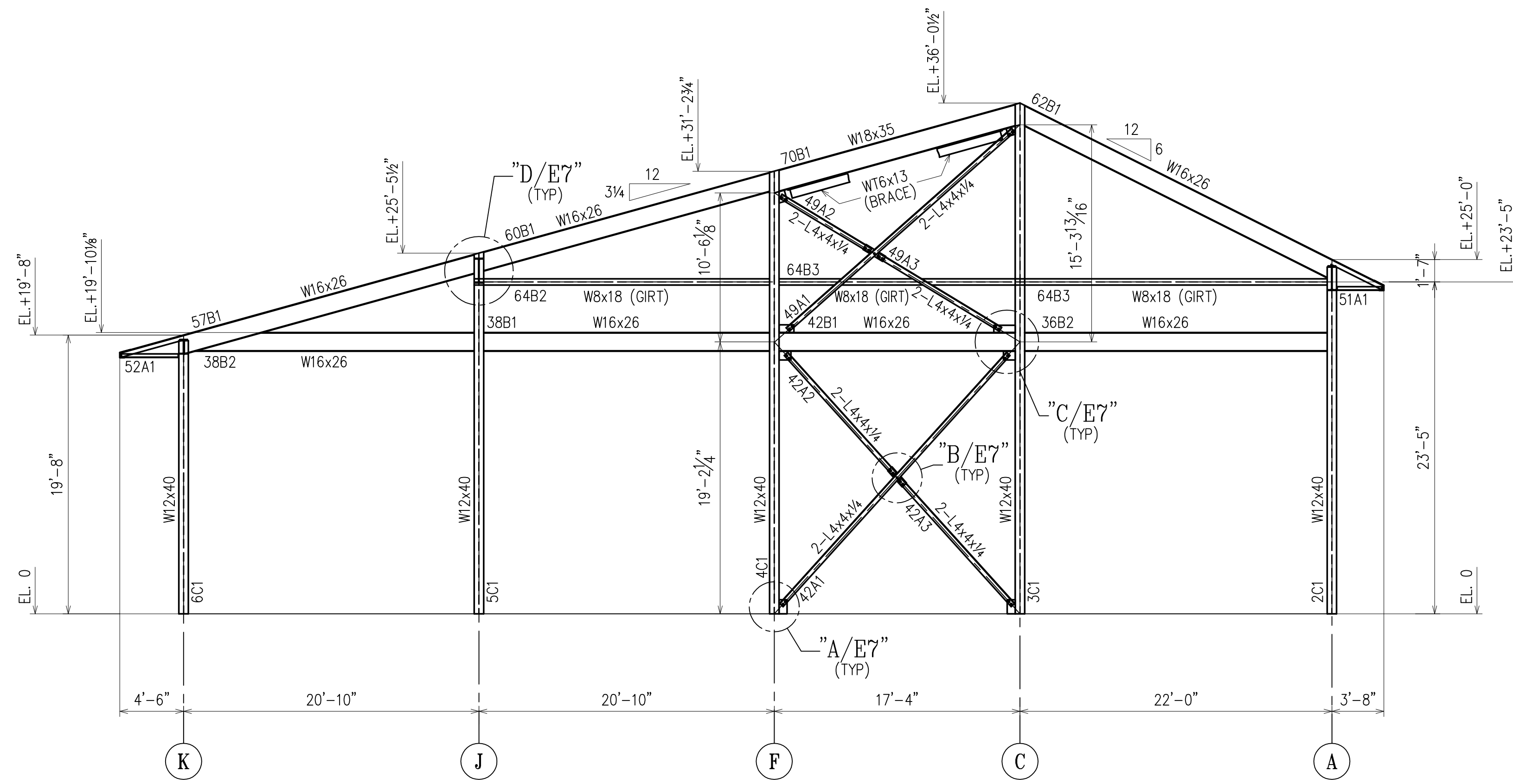


SECTION 1
(RE : 11/S-2)
E6

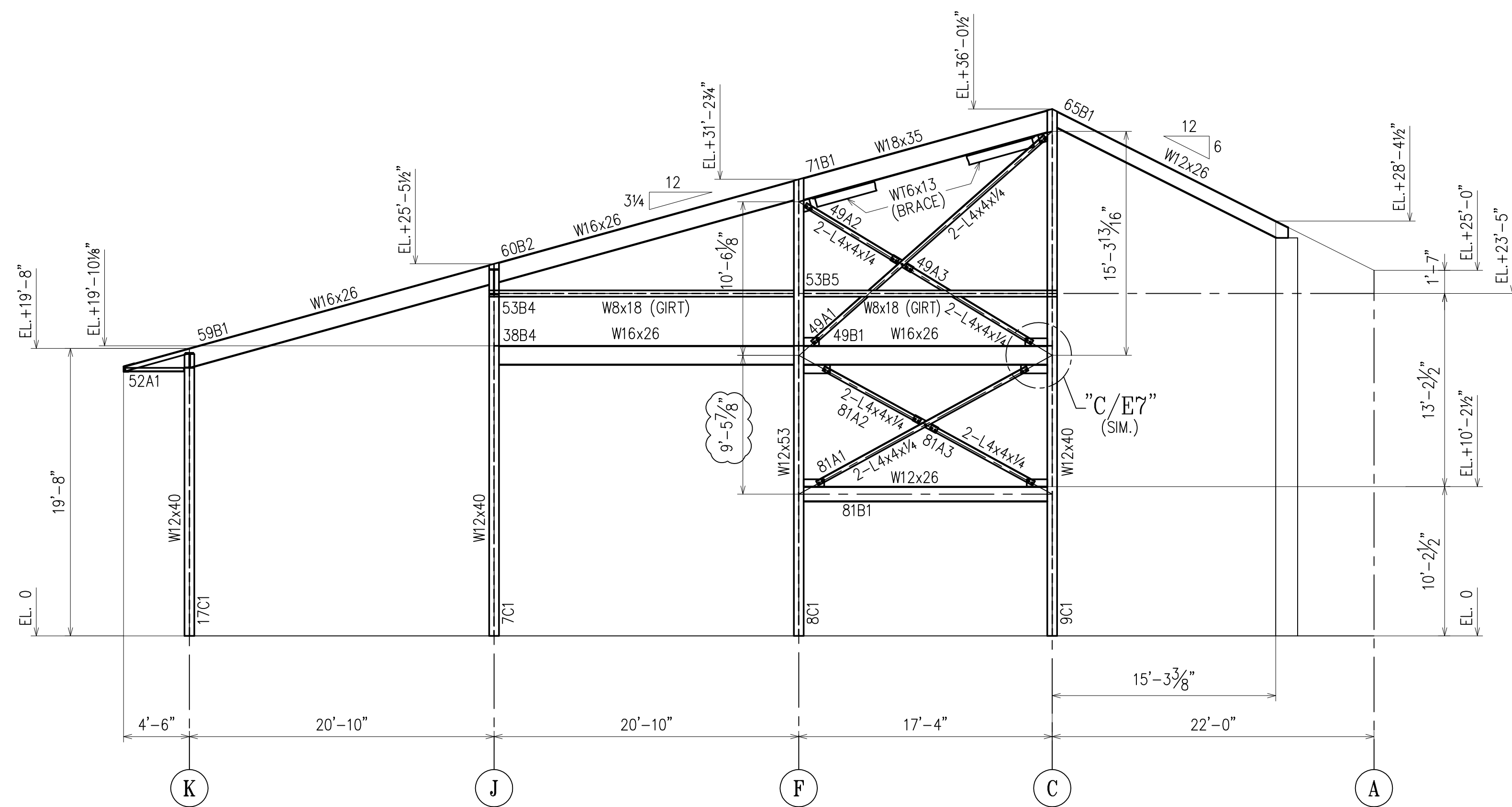
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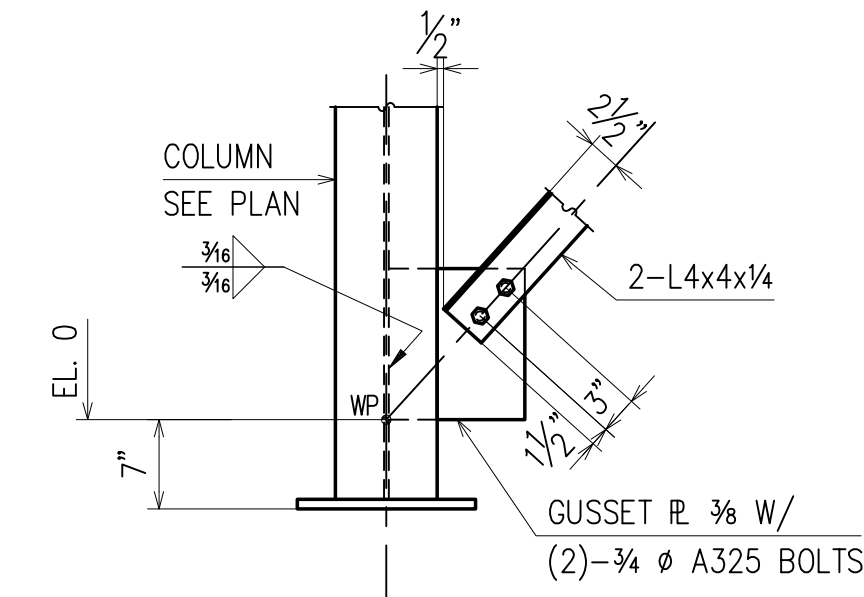
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MATERIAL:	4/23/12	PER CHECK				4th APPVL	
HOLES:	4/06/12	ADD MARKINGS				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL	5/22/12	PER CHECK		2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:							
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO.	
DATE	2/08/12	LOCATION:	VOORHEES, NJ				
CHECKED	D5	DWG TITLE:	FRAME ELEVATIONS			DWG NO.	
DATE	5/17/12					E6	



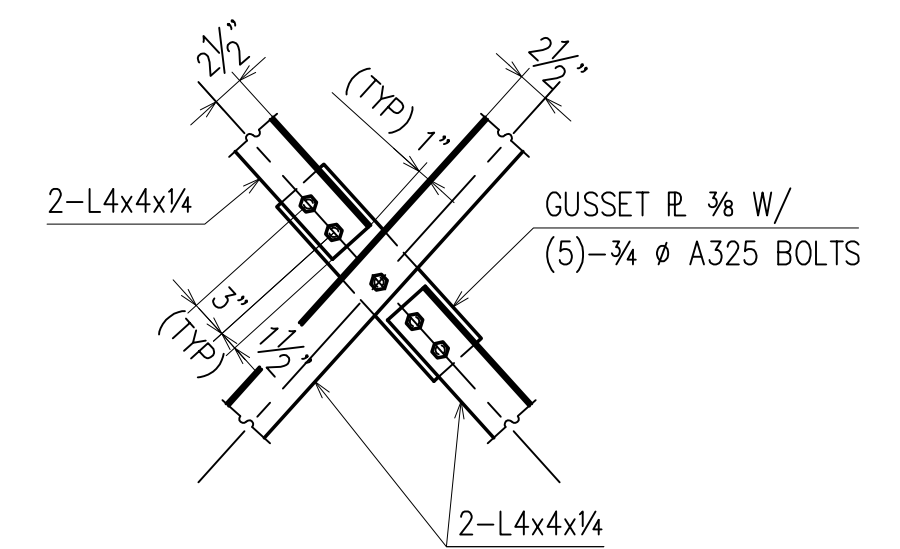
BRACE FRAME ELEVATION LINE 2 (BRACE "A")
(RE : 2/S-2)



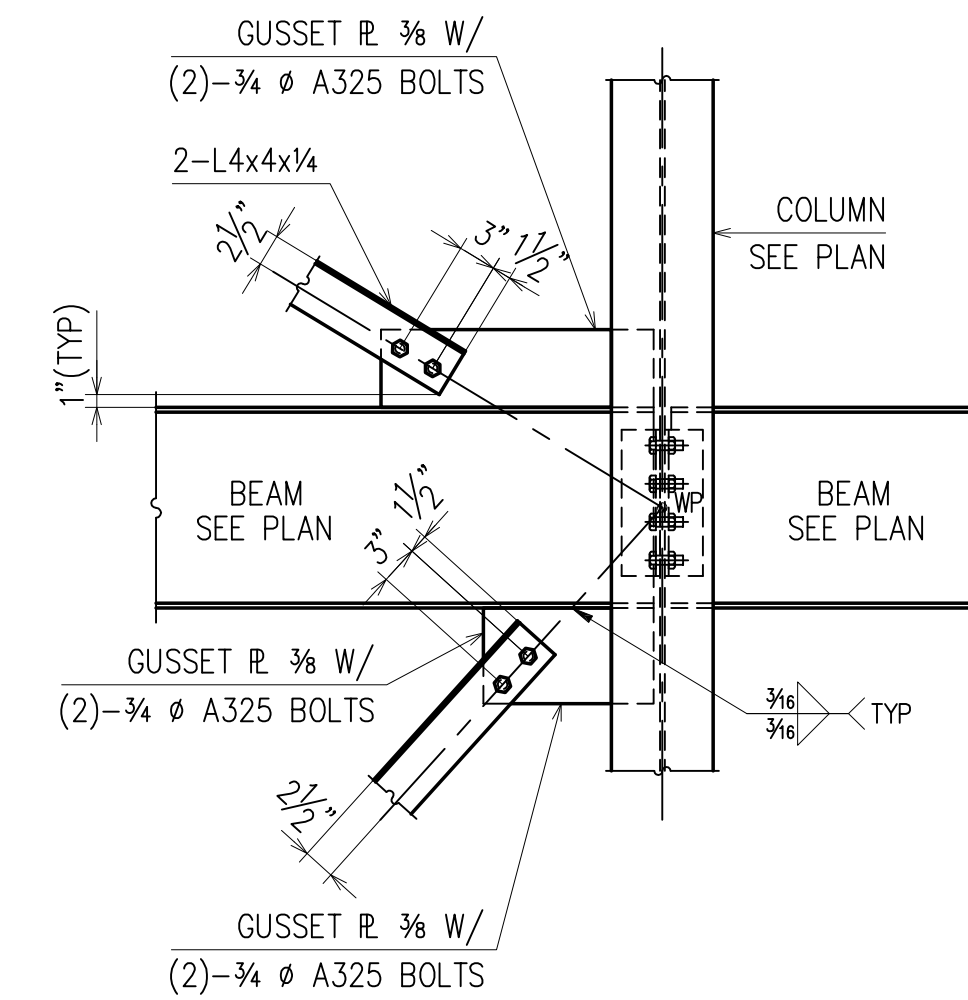
BRACE FRAME ELEVATION LINE 8 (BRACE "B")
(RE : 2/S-2)



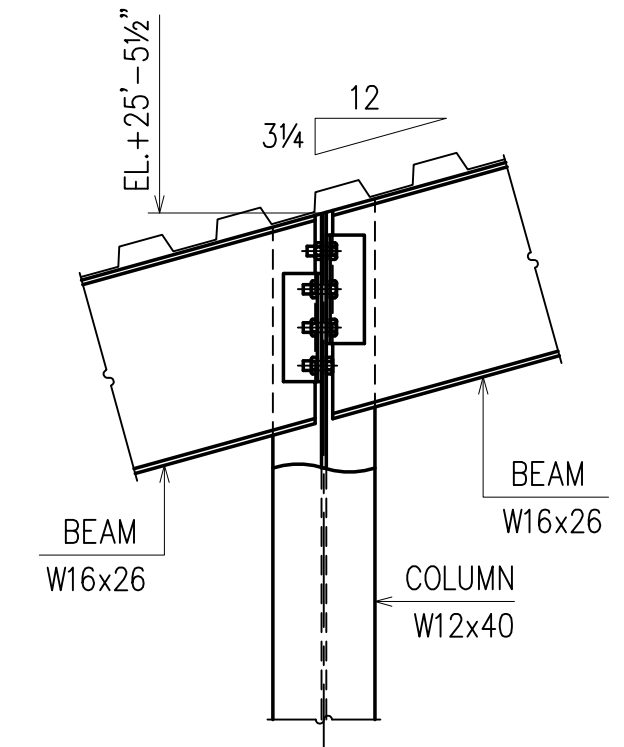
DETAIL A
(RE : 6/S-5)
E7



DETAIL B
(RE : 6/S-5)
E7



DETAIL C
(RE : 6/S-5)
E7

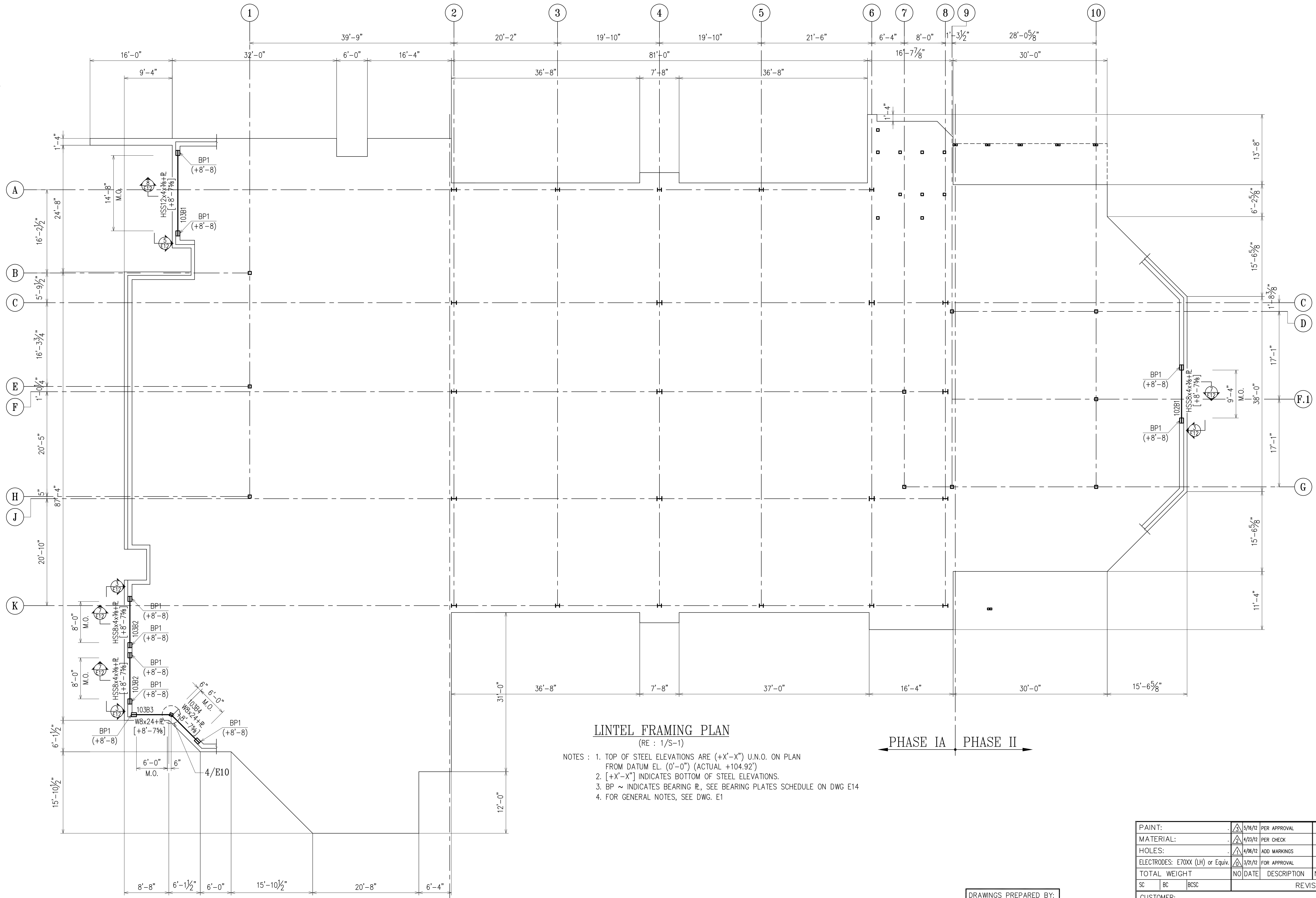
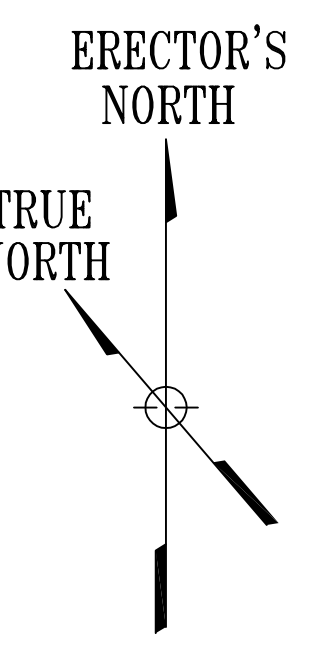


DETAIL D
(RE : 6/S-2)
E7

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PAIN:						FOR FIELD	
MATERIAL:	5/16/12	PER APPROVAL				4th APPVL	
HOLES:	4/16/12	ADD MARKINGS				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL				2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:							
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO	
DATE	2/08/12	LOCATION:	VOORHEES, NJ				
CHECKED	D5	DWG TITLE:	BRACE FRAME ELEVATIONS			DWG NO	
DATE	5/17/12					E7	



LINTEL FRAMING PLAN
(RE : 1/S-1)

- NOTES : 1. TOP OF STEEL ELEVATIONS ARE (+X'-X'") U.N.O. ON PLAN FROM DATUM EL. (0'-0'") (ACTUAL +104.92')
 2. [+X'-X'"] INDICATES BOTTOM OF STEEL ELEVATIONS.
 3. BP ~ INDICATES BEARING PLATE, SEE BEARING PLATES SCHEDULE ON DWG E14
 4. FOR GENERAL NOTES, SEE DWG. E1

← PHASE IA PHASE II →

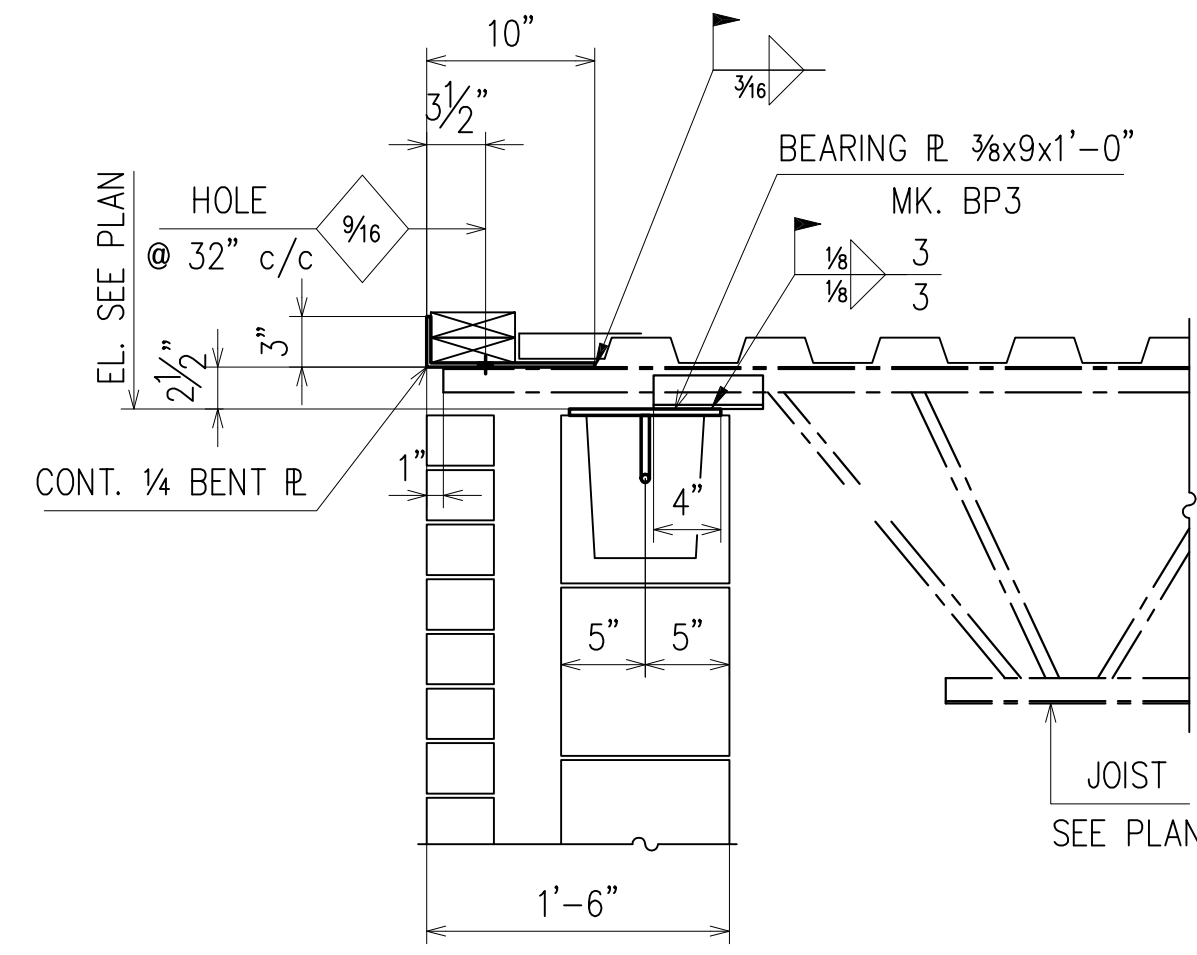
← PHASE IB PHASE IA →

FOR ERECTION

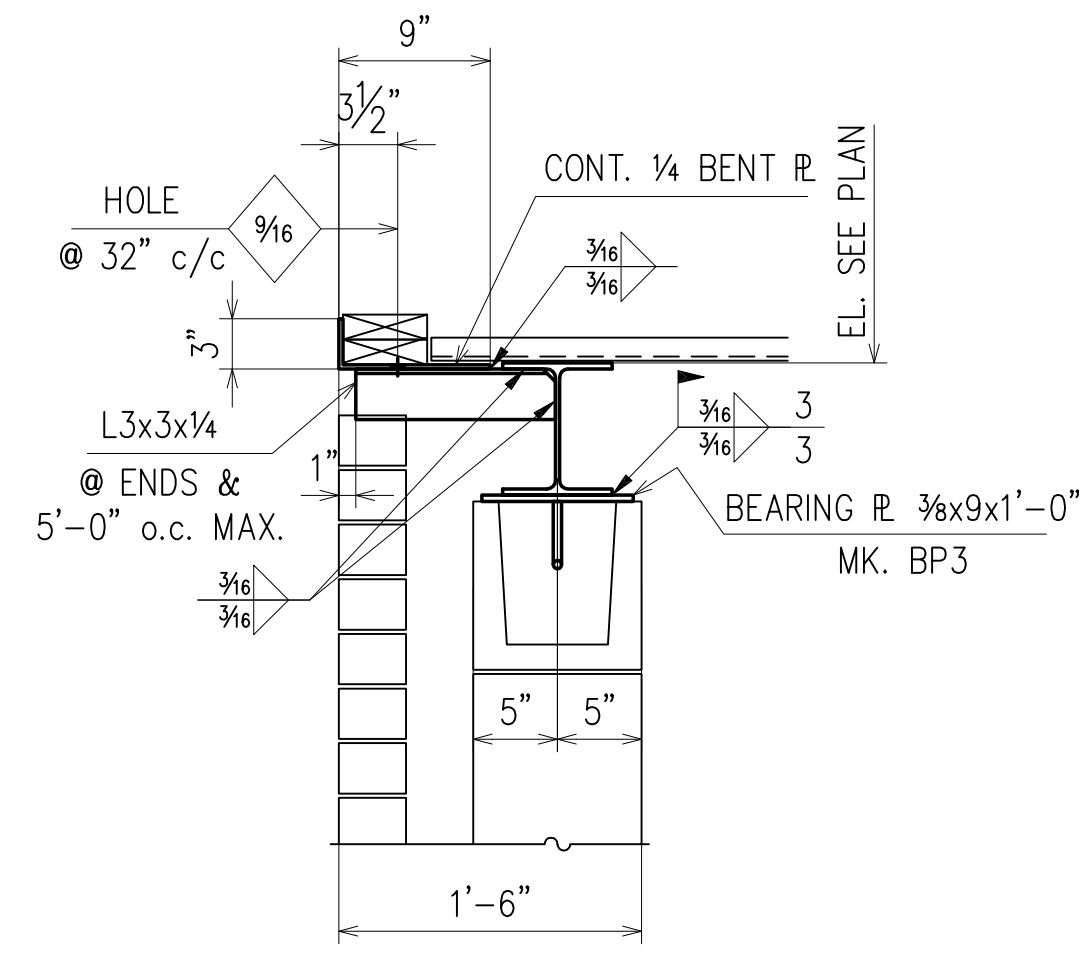
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 Phone: (856) 794-9474
 Fax: (856) 696-2027

PAIN:	5/16/12	PER APPROVAL				FOR FIELD	
MATERIAL:	4/23/12	PER CHECK				4th APPVL	
HOLES:	4/06/12	ADD MARKINGS				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL				2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE

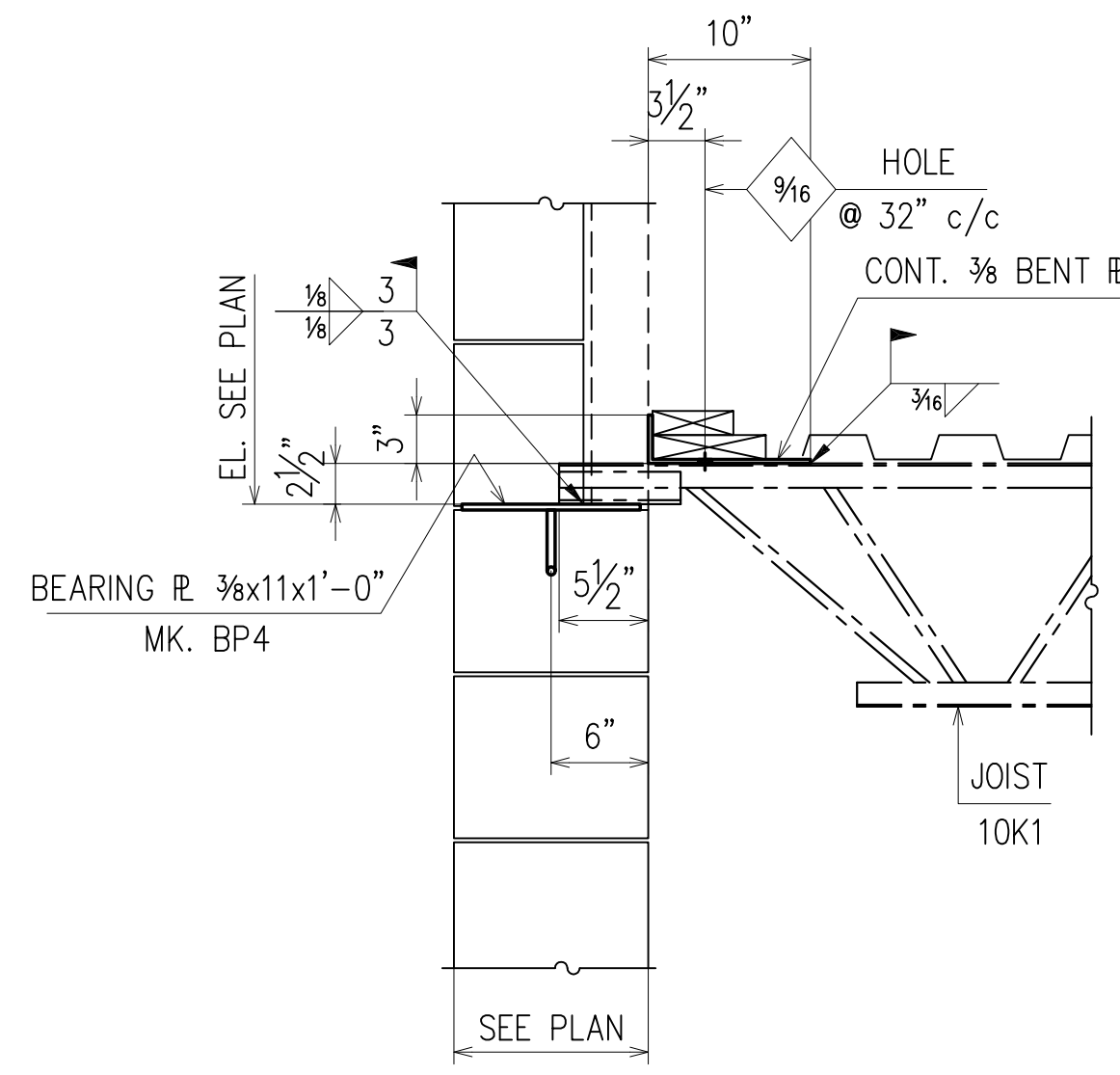
CUSTOMER:		NEW VOORHEES FIRE STATION		CONTRACT NO.
		VOORHEES, NJ		
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION	CONTRACT NO.
DATE	2/08/12	LOCATION:	VOORHEES, NJ	
CHECKED	D5	DWG TITLE:	LINTEL FRAMING PLAN	DWG NO.
DATE	5/17/12			E8



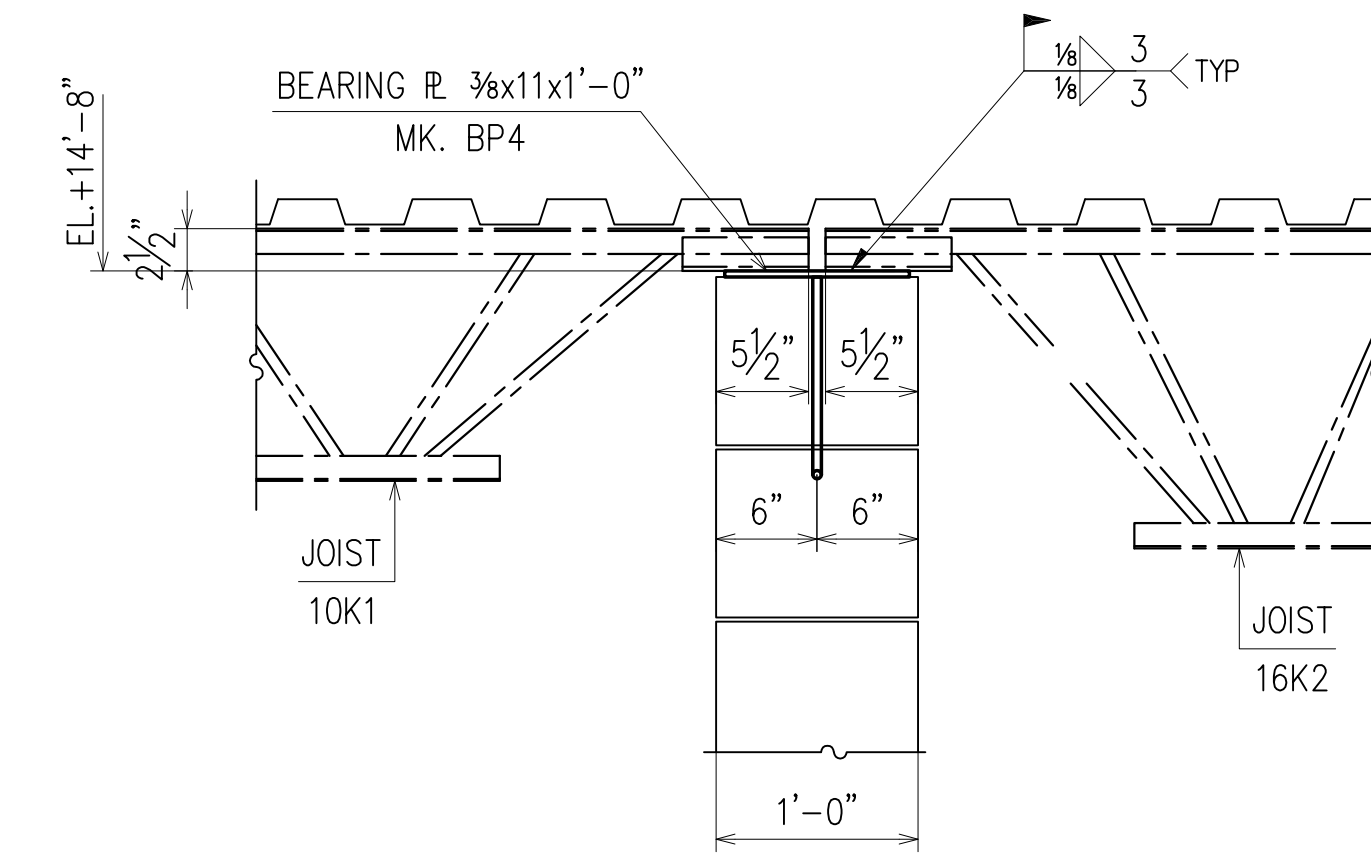
SECTION 1
(RE : 2/S-1)
(E1) E9



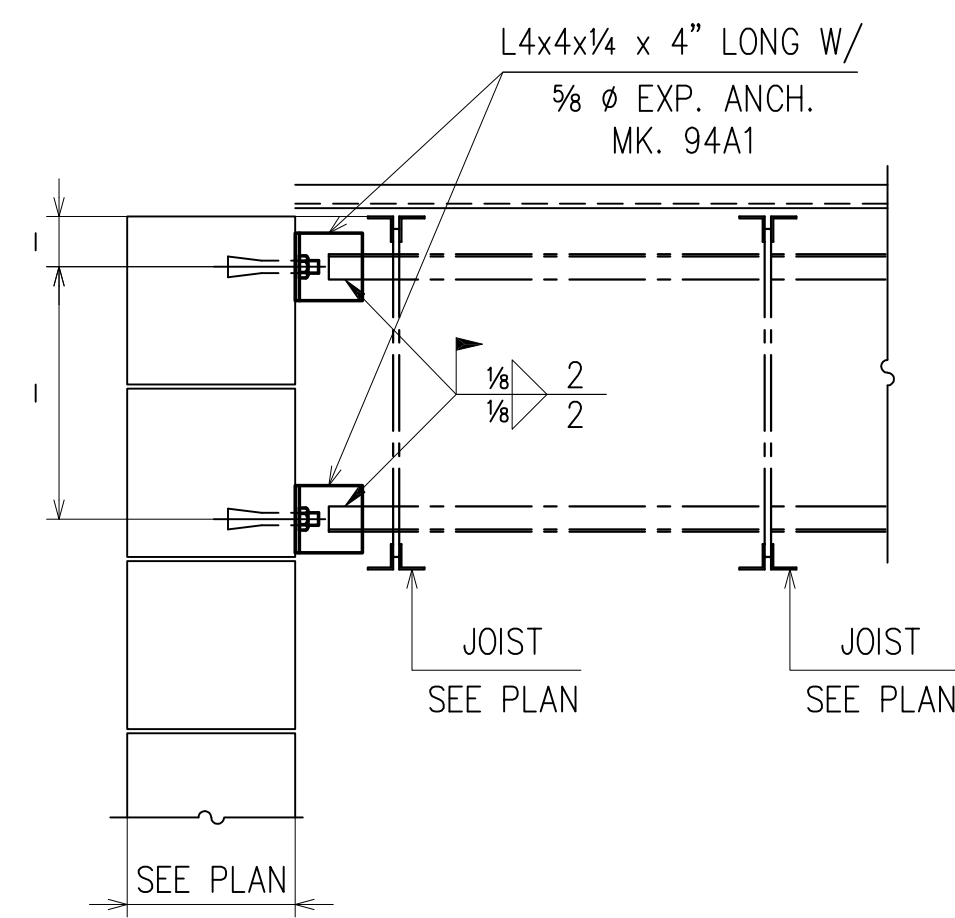
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(RE : 3/S-1)
(E1) E9



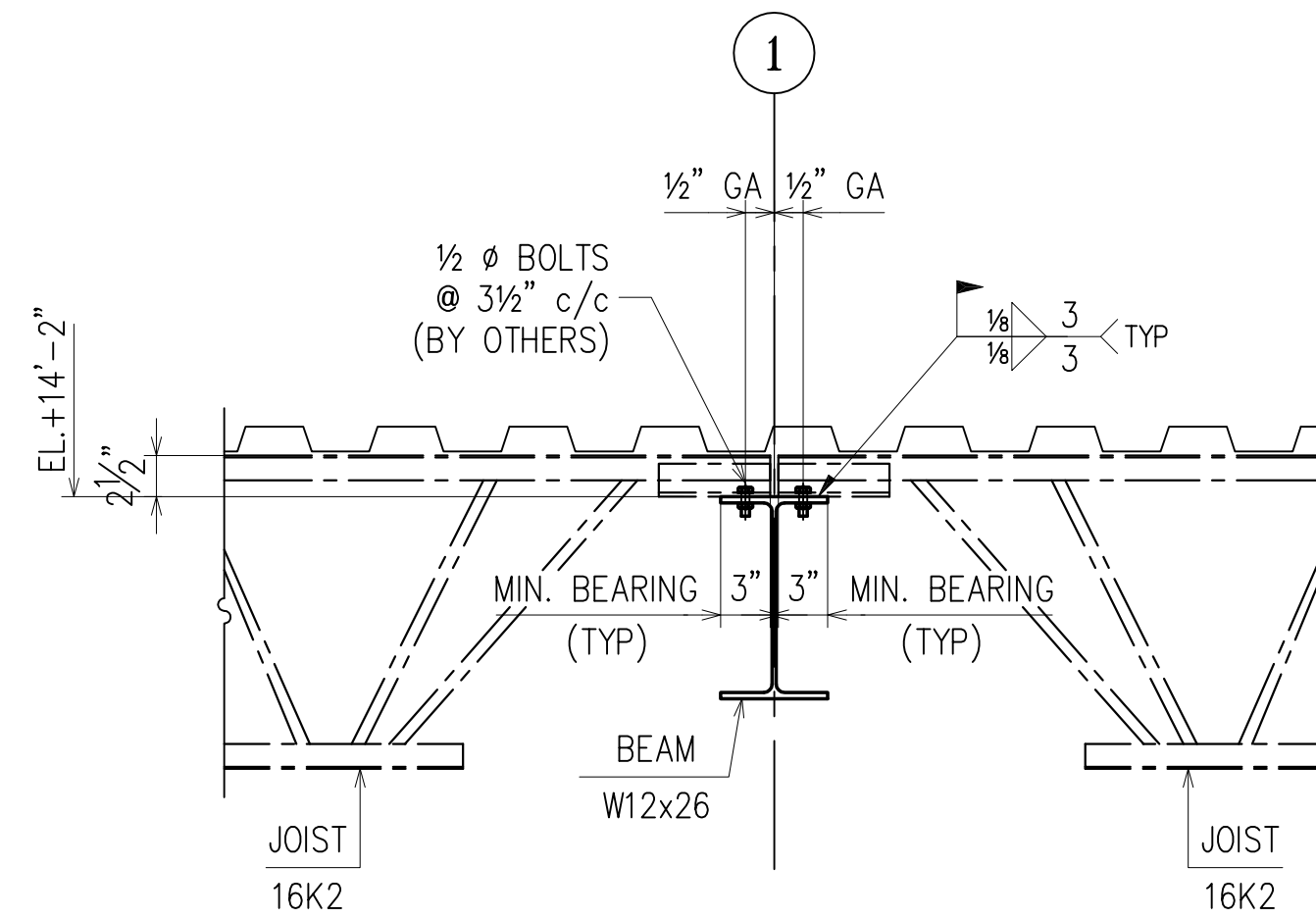
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(E1) E9



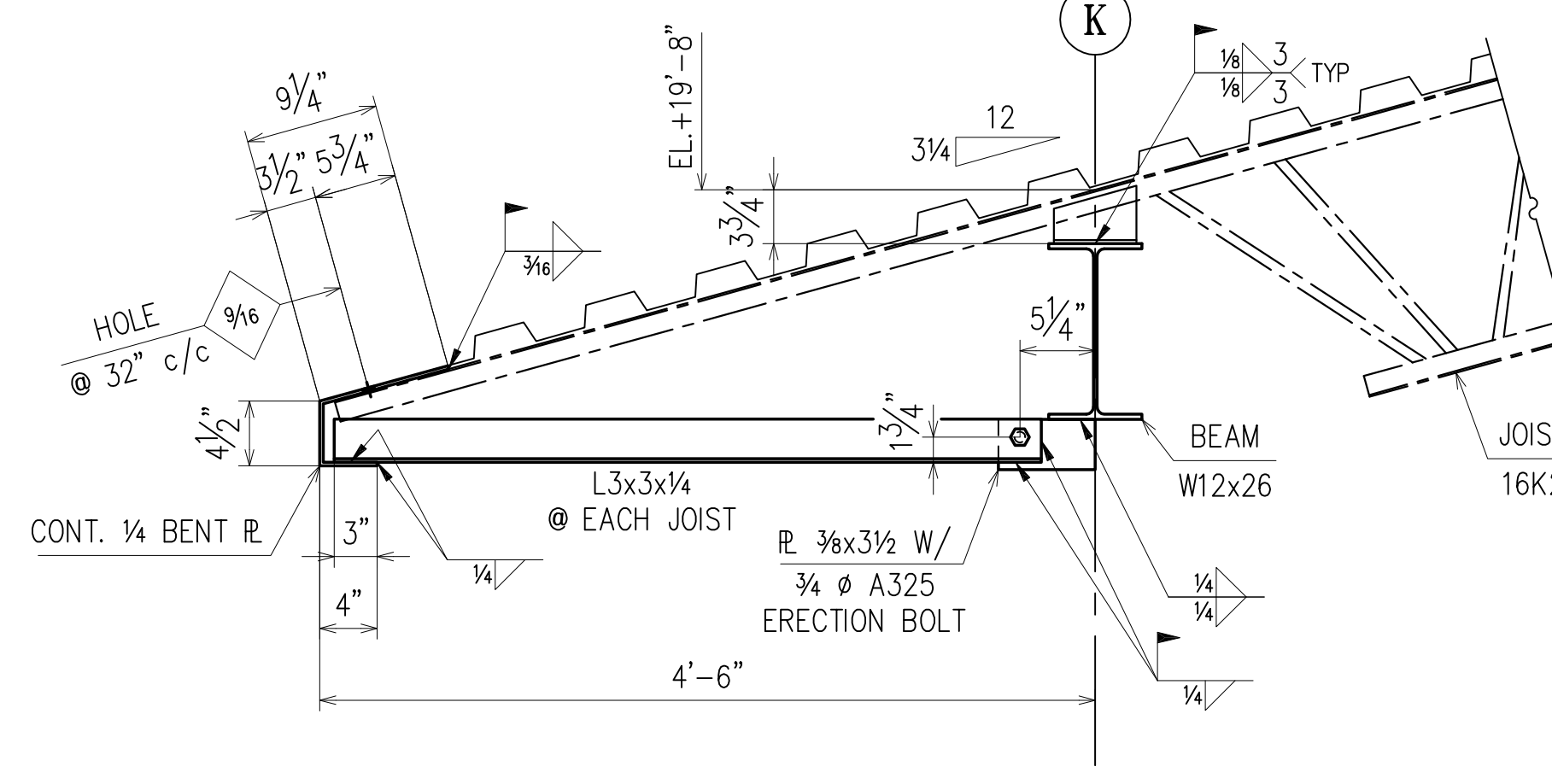
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(E1) E9



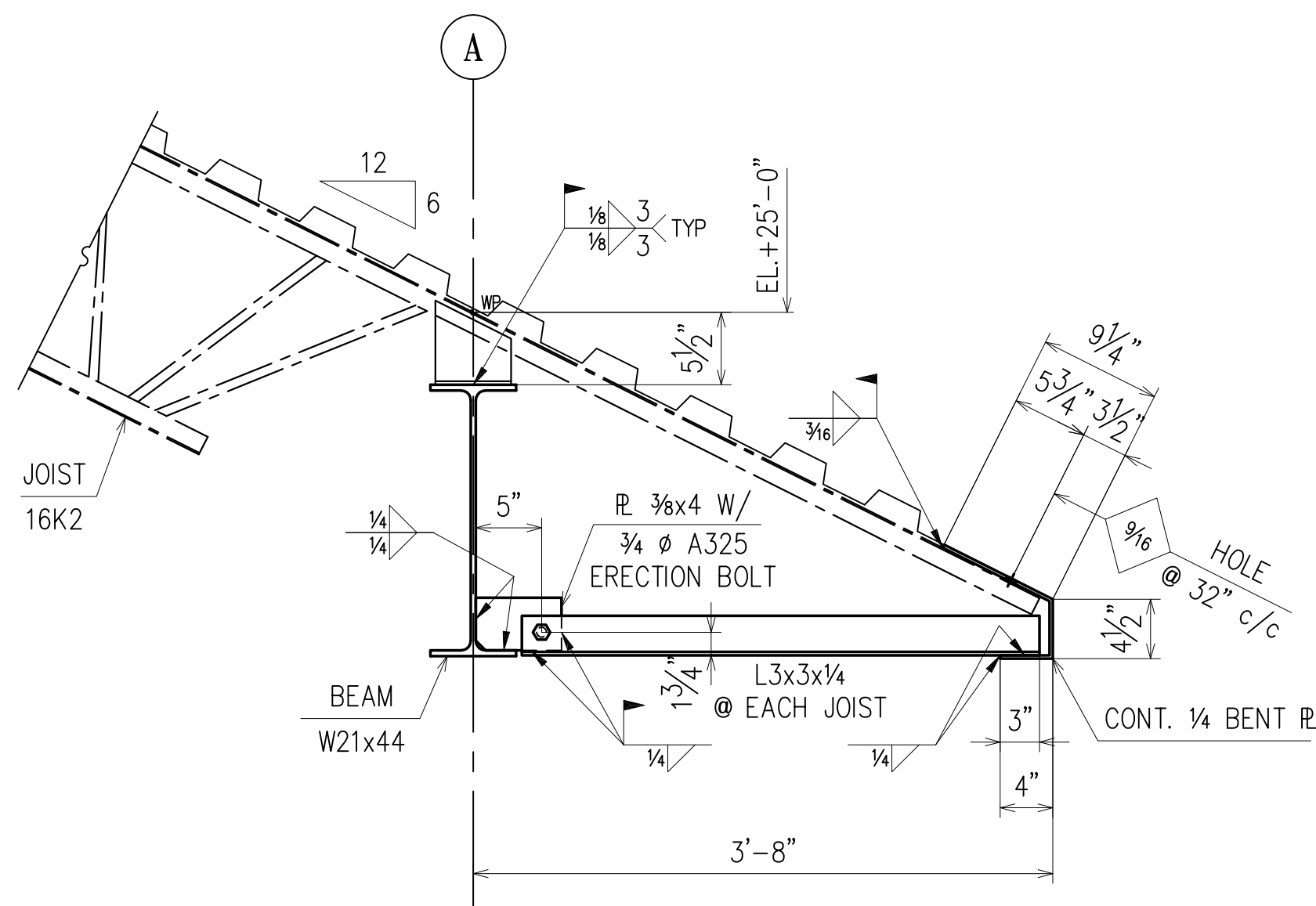
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(E1) E9



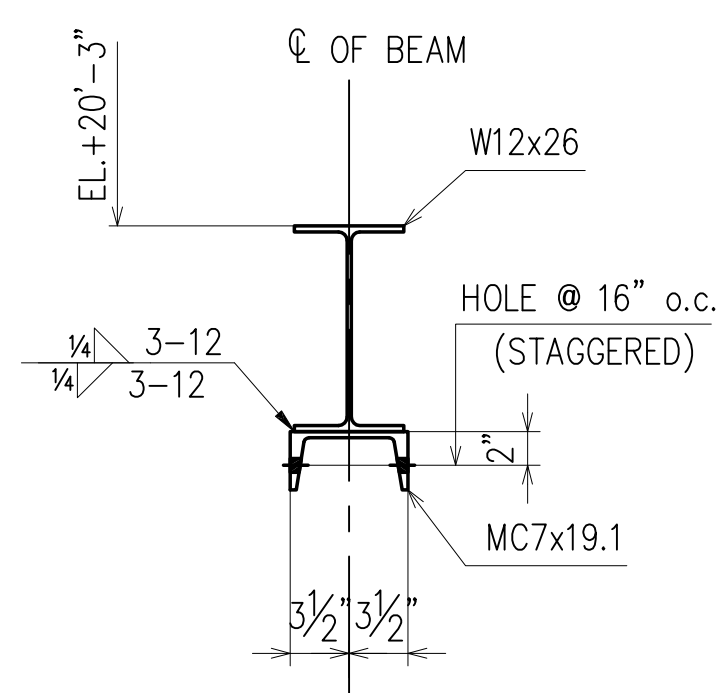
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(E1) E9



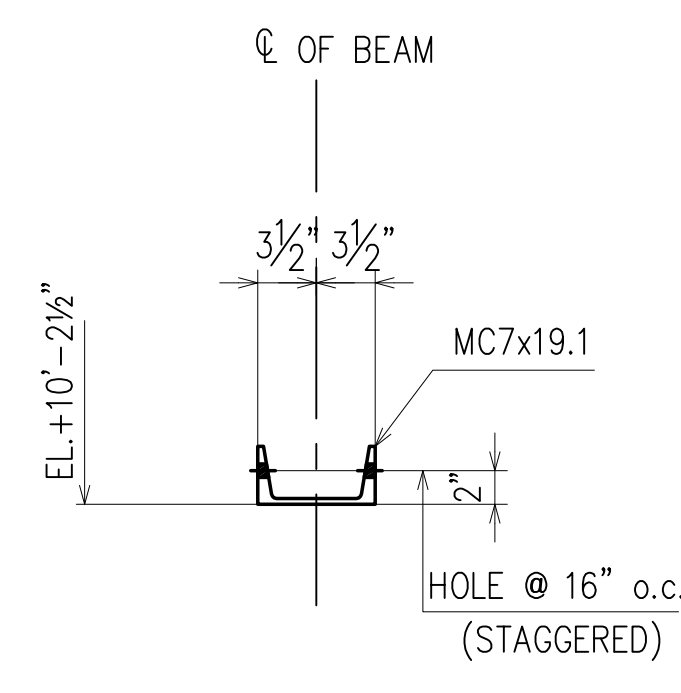
SECTION 7
(RE : 3/S-2)
(E2) E9



SECTION 8
(RE : 4/S-2)
(E2) E9



SECTION 9
(E1) E9

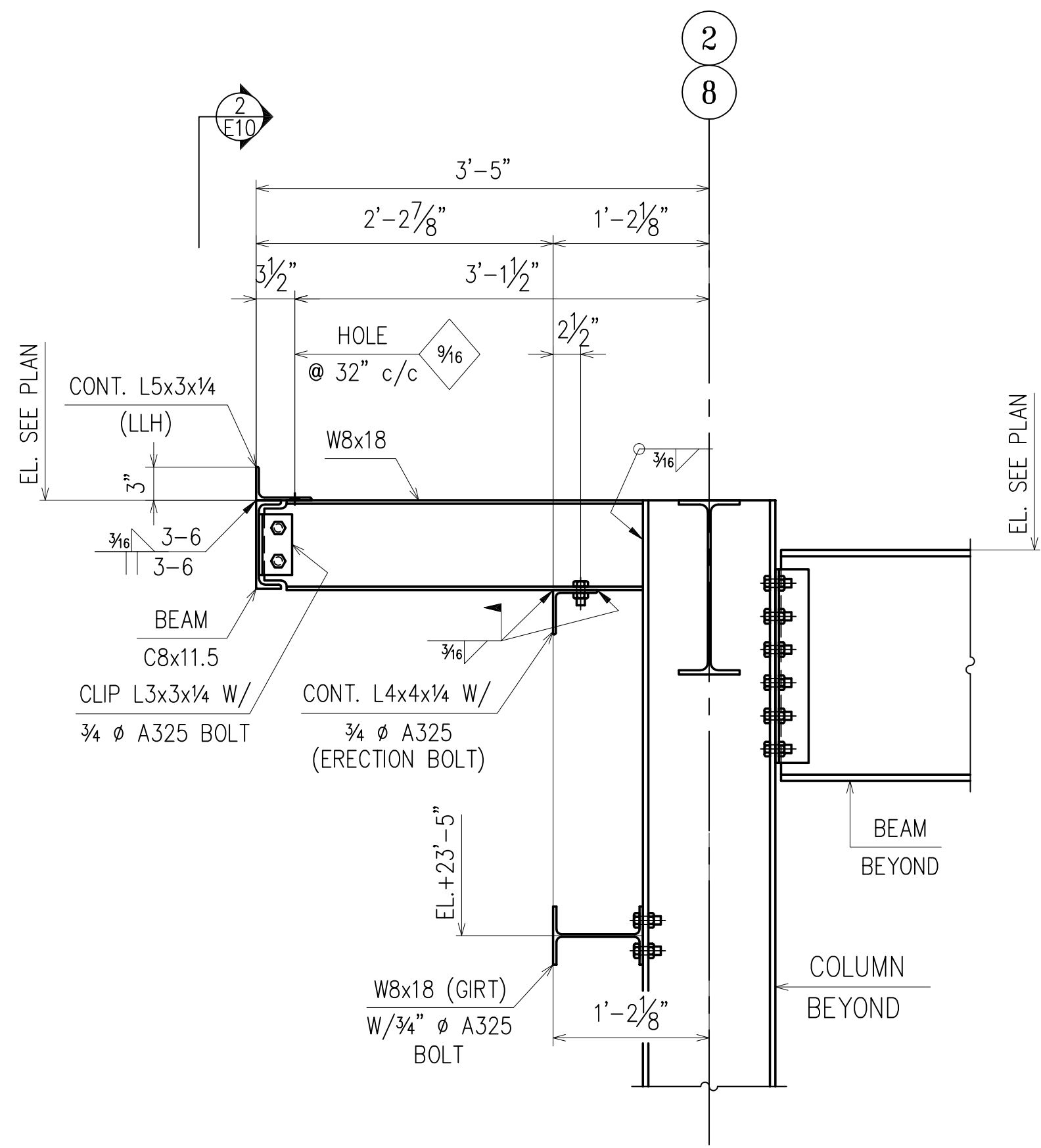


SECTION 10
(E3) E9

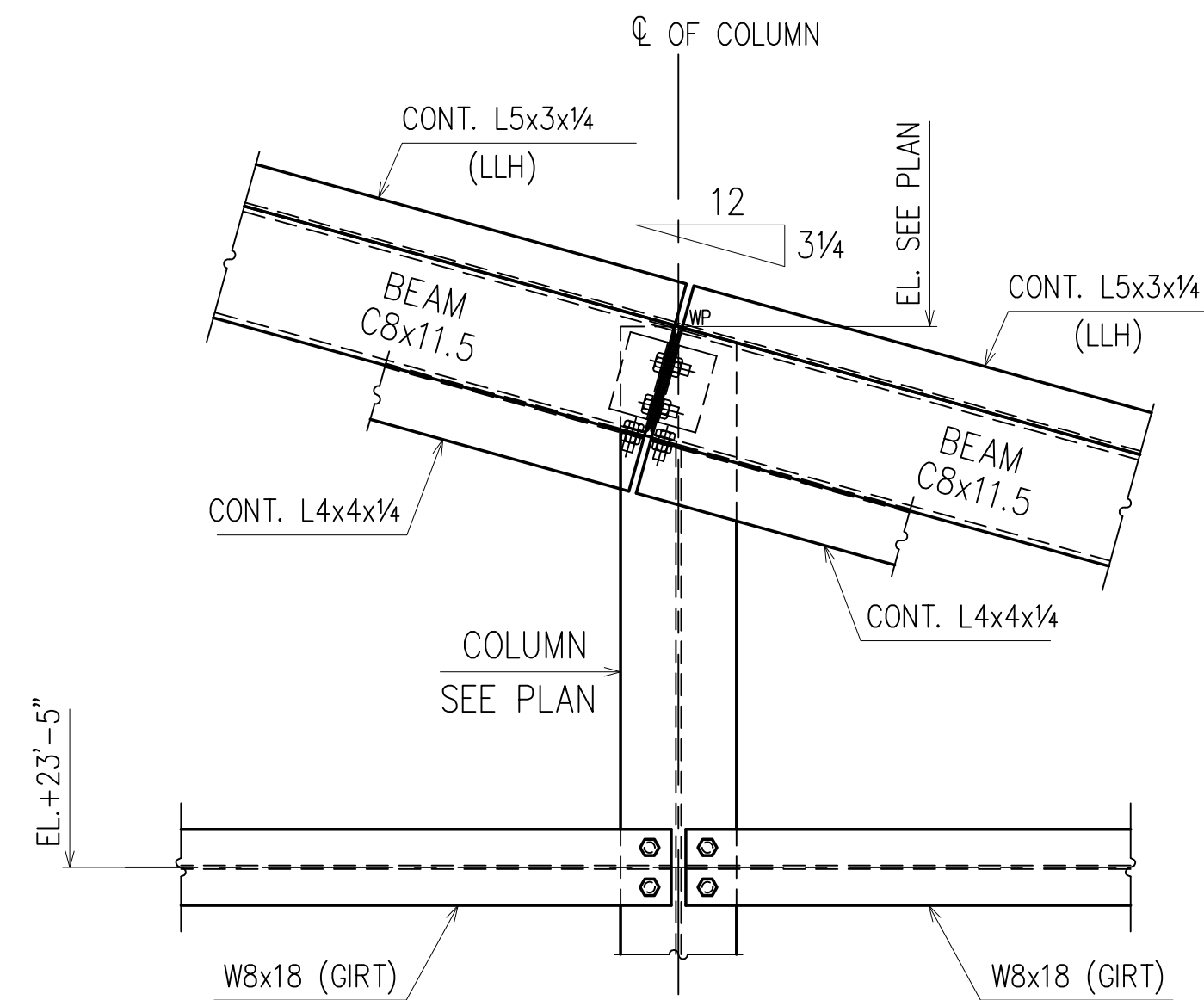
DRAWINGS PREPARED BY:
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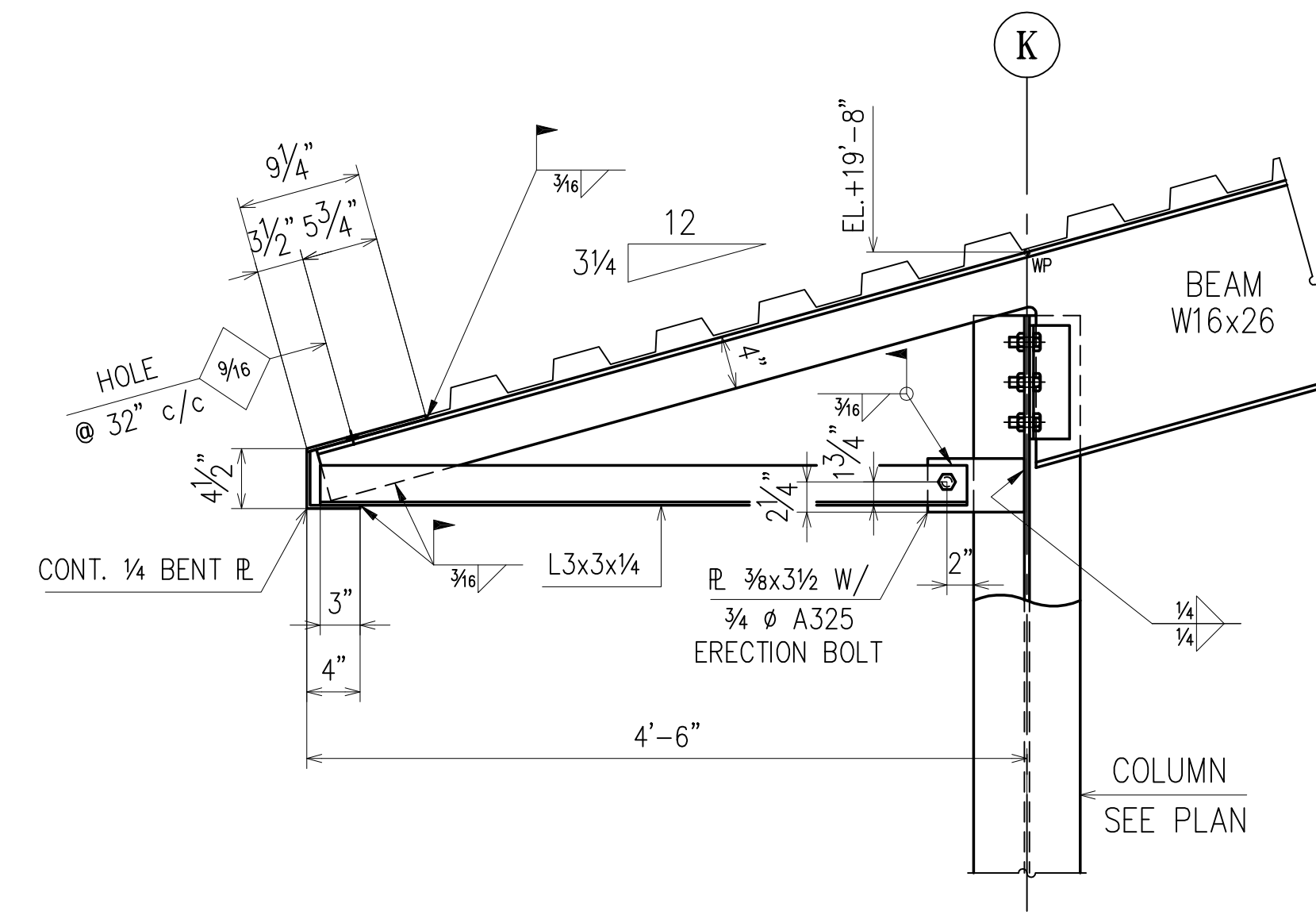
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MATERIAL:	4/23/12	PER CHECK				4th APPVL	
HOLES:	4/16/12	ADD MARKING & PER ADDENDUM				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL				2nd APPVL	
TOTAL WEIGHT	NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:							
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO.	
DATE	3/08/12	LOCATION:	VOORHEES, NJ				
CHECKED	D5	DWG TITLE:	SECTIONS			DWG NO.	
DATE	5/17/12					E9	



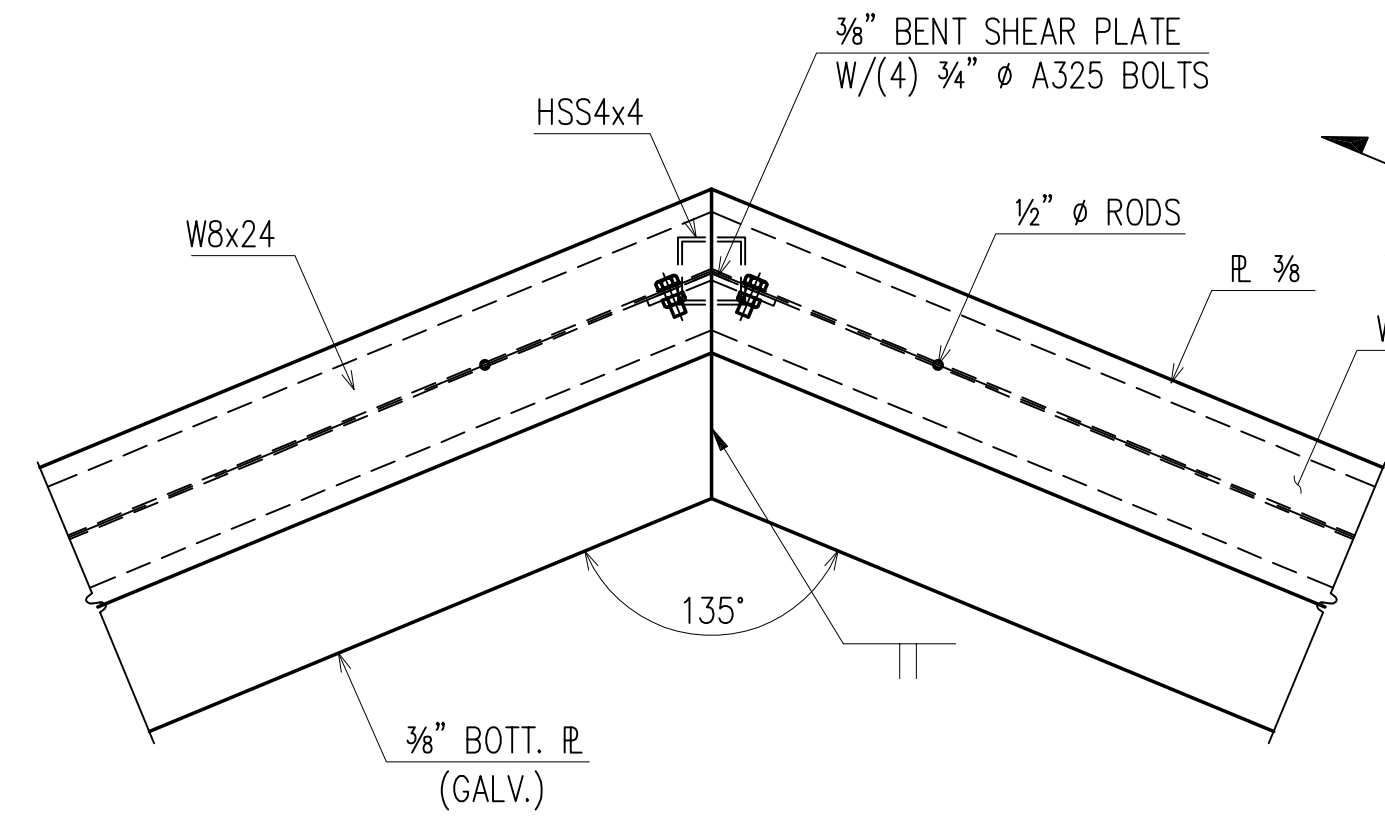
SECTION 1
(RE : 7/S-2) (E2) E10



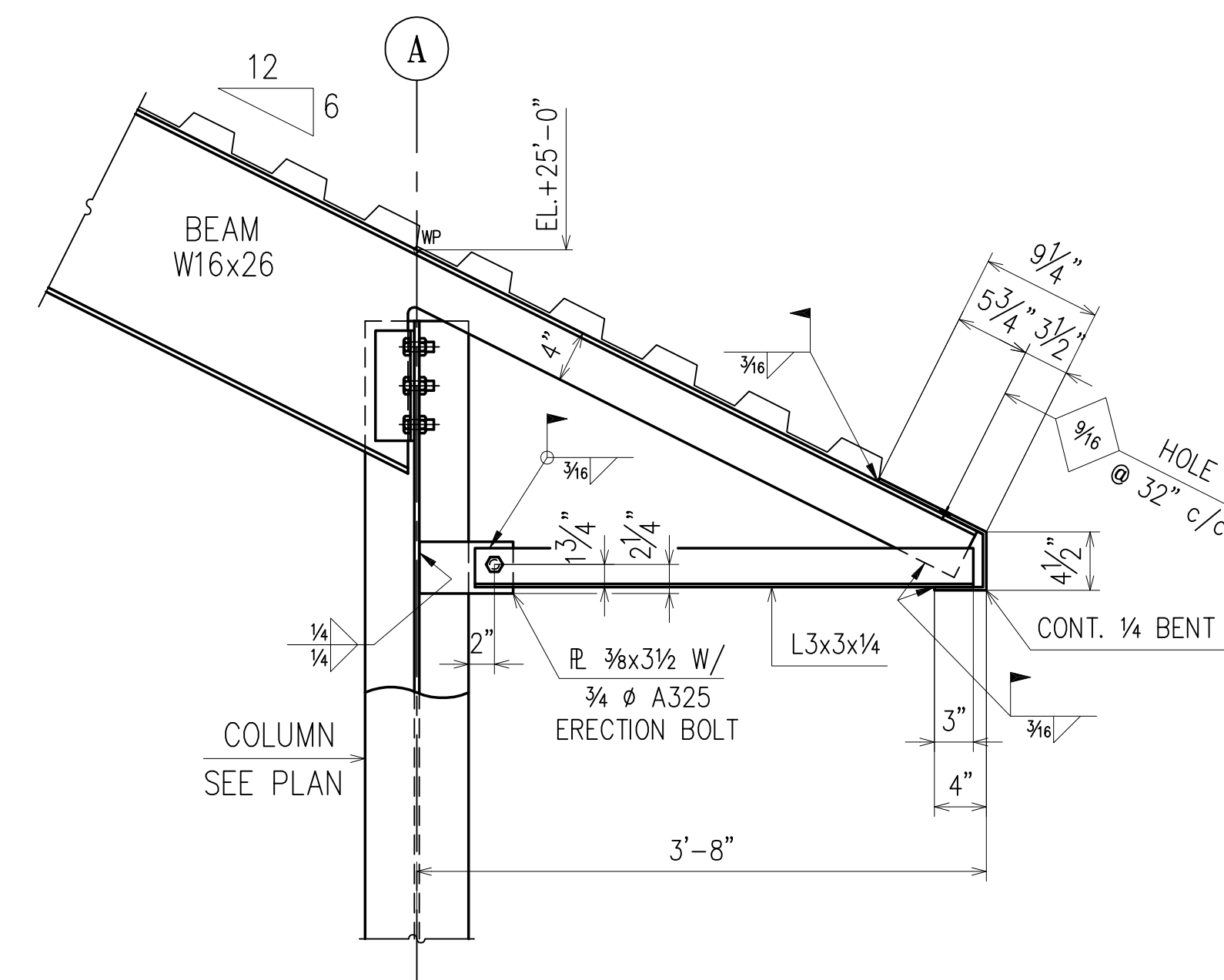
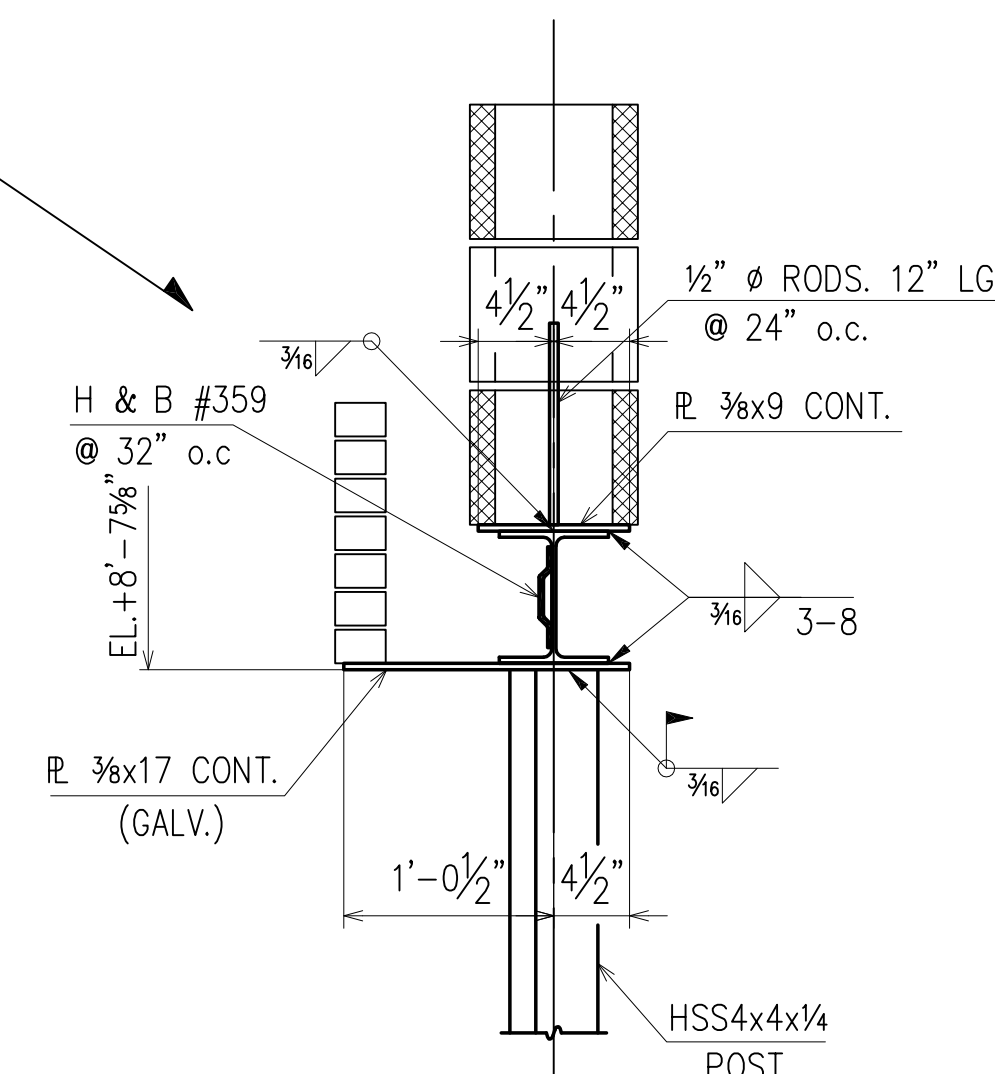
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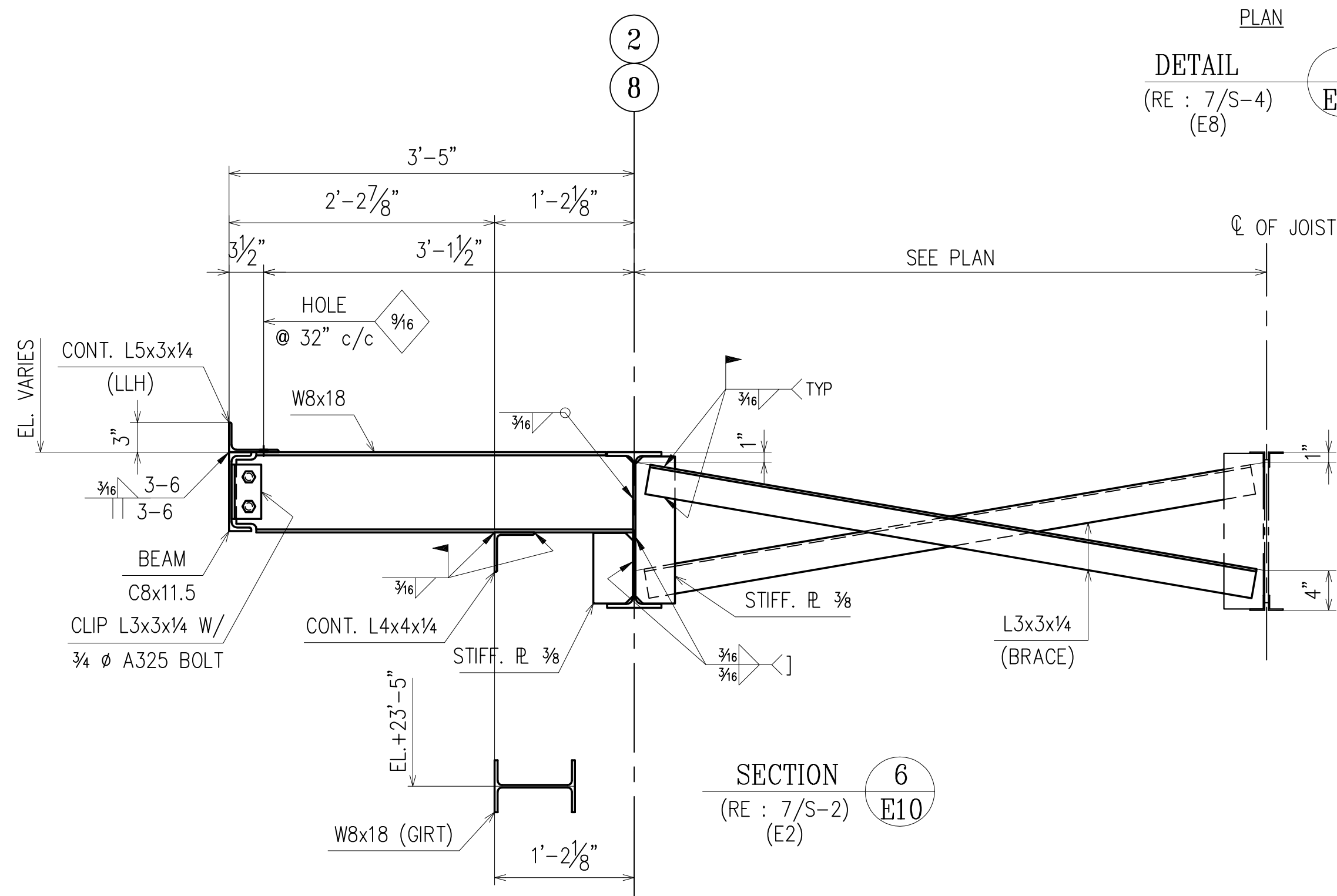
SECTION 3
(RE : 3/S-5) (E2) E10



PLAN
DETAIL 4
(RE : 7/S-4) (E8) E10



SECTION 5
(RE : 4/S-2) (E2) E10



SECTION 6
(RE : 7/S-2) (E2) E10

PAIN:	5/22/12	PER CHECK			FOR FIELD
MATERIAL:	5/16/12	PER APPROVAL			4th APPVL
HOLES:	4/16/12	PER ADDENDUM			3rd APPVL
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL			2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE

DRAWINGS PREPARED BY:

DIVISION FIVE DETAILING INC.

1810 Gallagher Drive

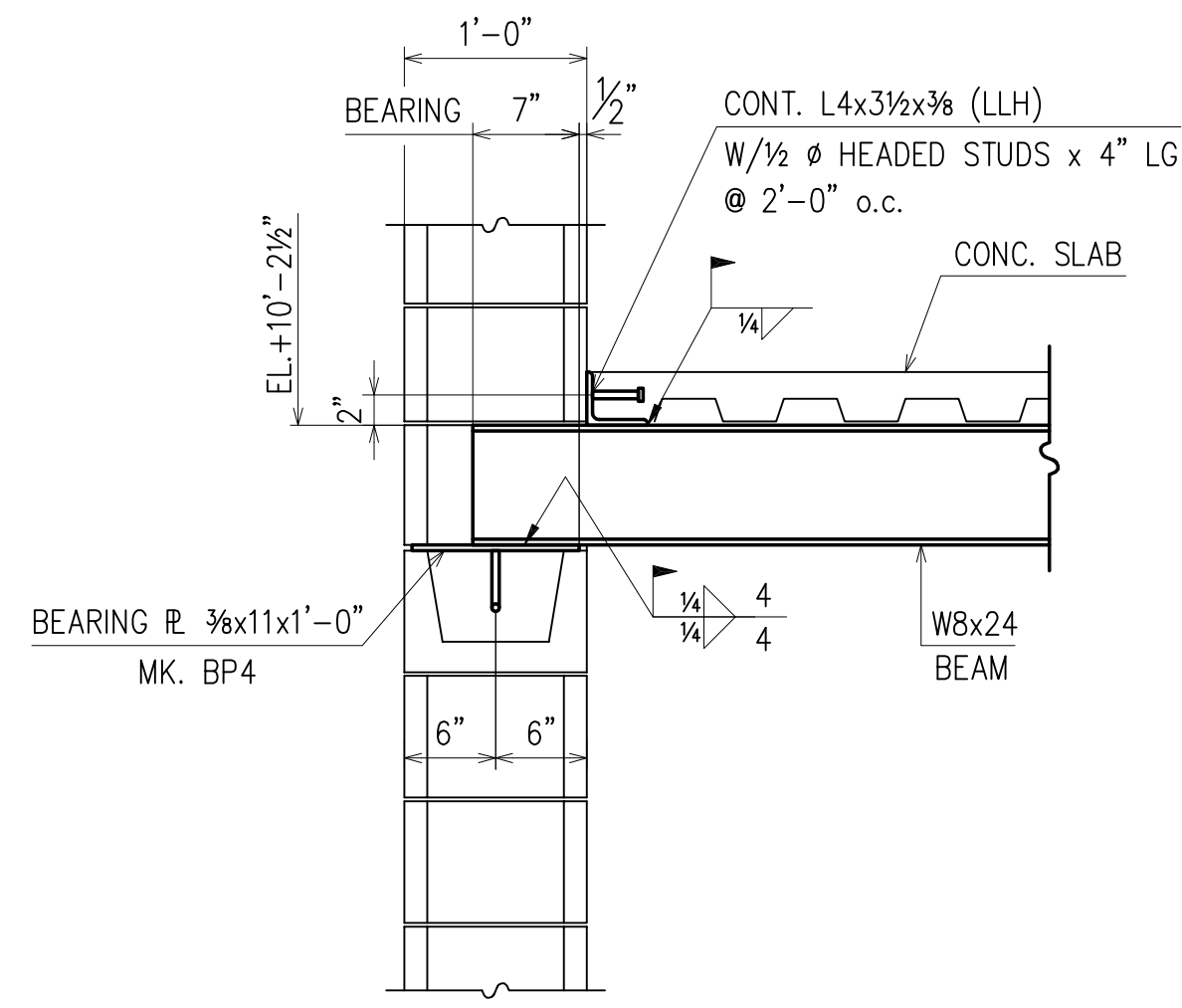
Vineland, New Jersey 08360

Phone: (856) 794-9474

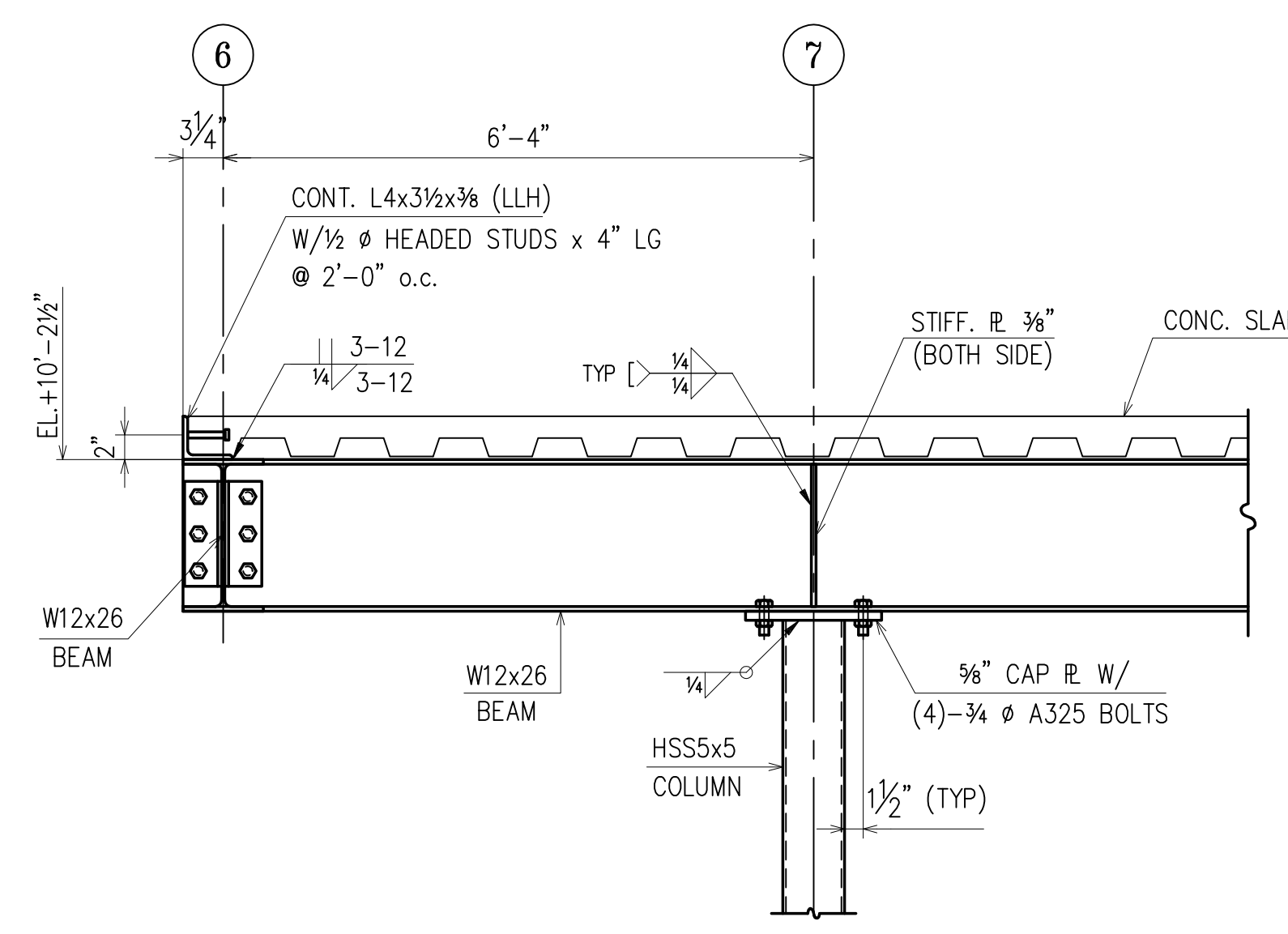
Fax: (856) 696-2027

DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION	CONTRACT NO.
DATE	3/08/12	LOCATION:	VOORHEES, NJ	
CHECKED	D5	DWG TITLE:	SECTIONS	DWG NO.
DATE	5/17/12			E10

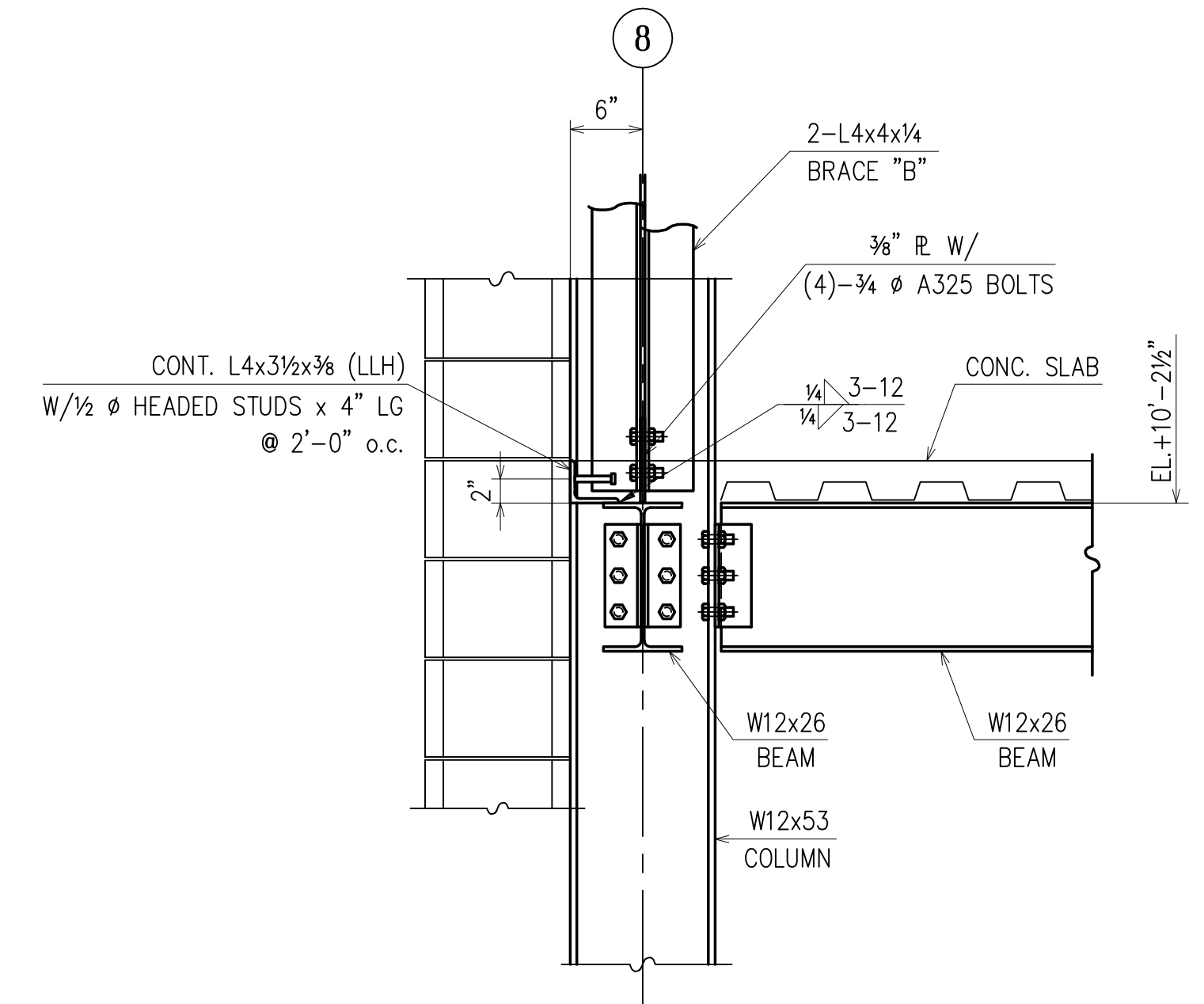
FOR ERECTION



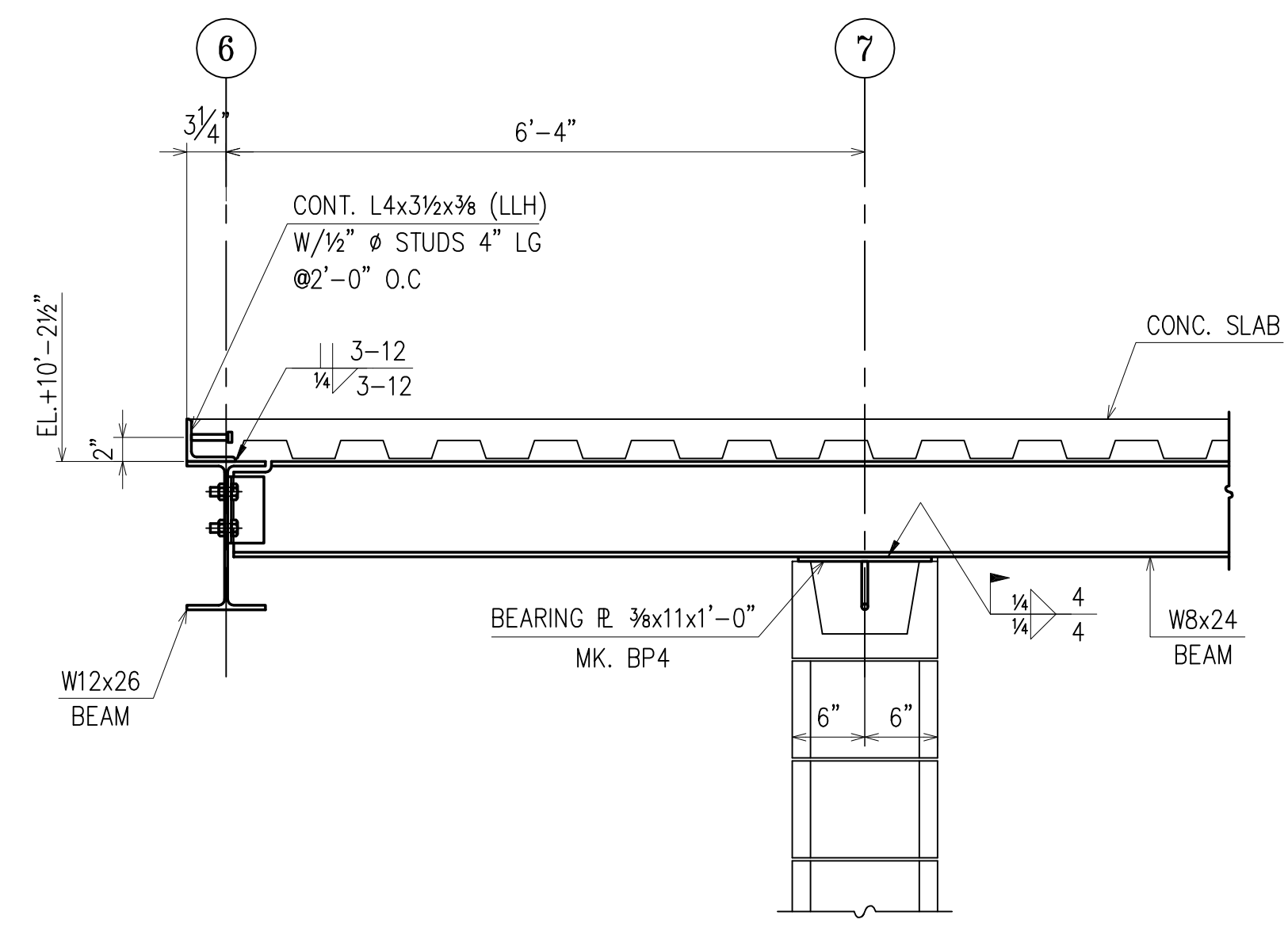
SECTION 1
(RE : 2/S-3)
(E3)



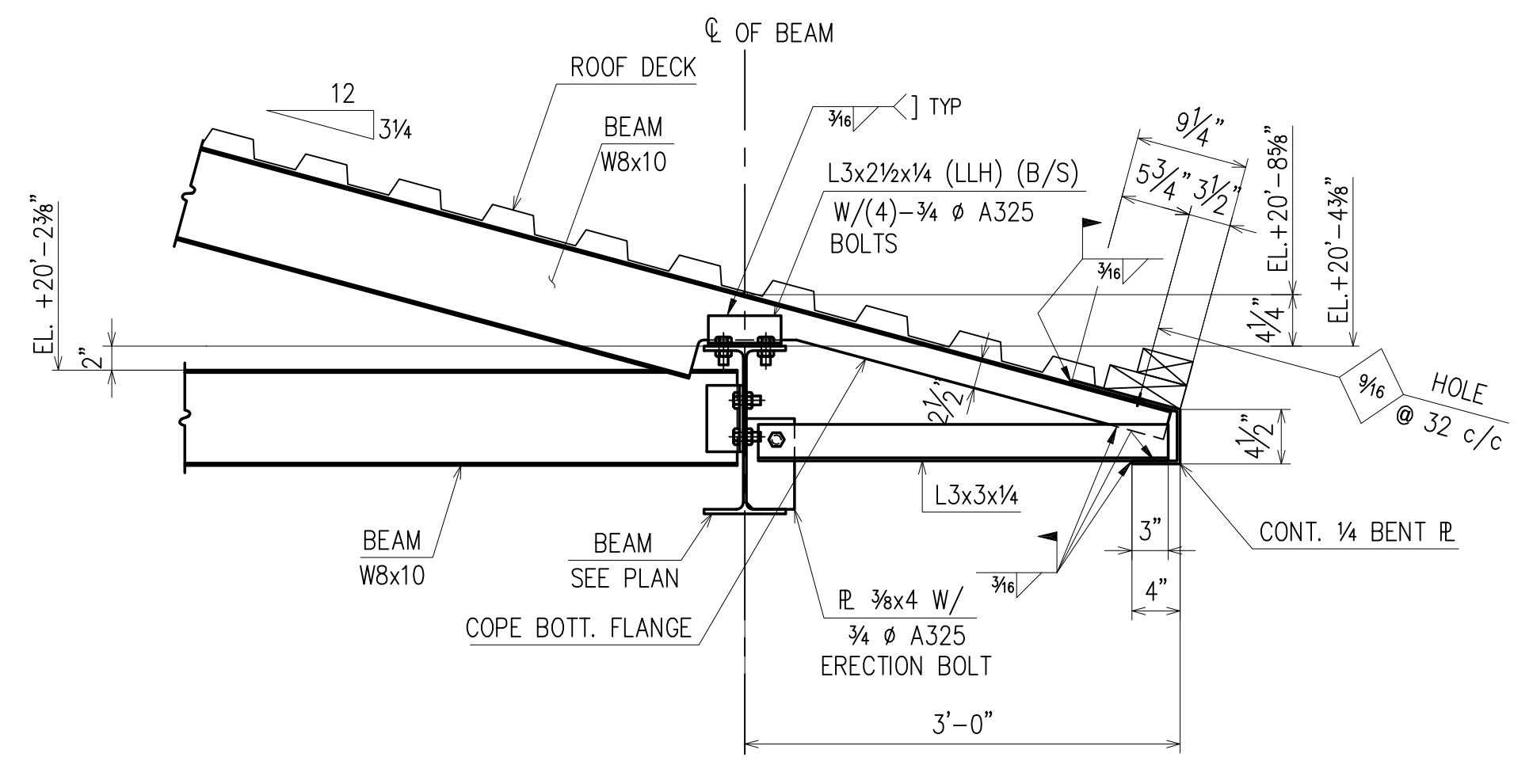
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(E3)



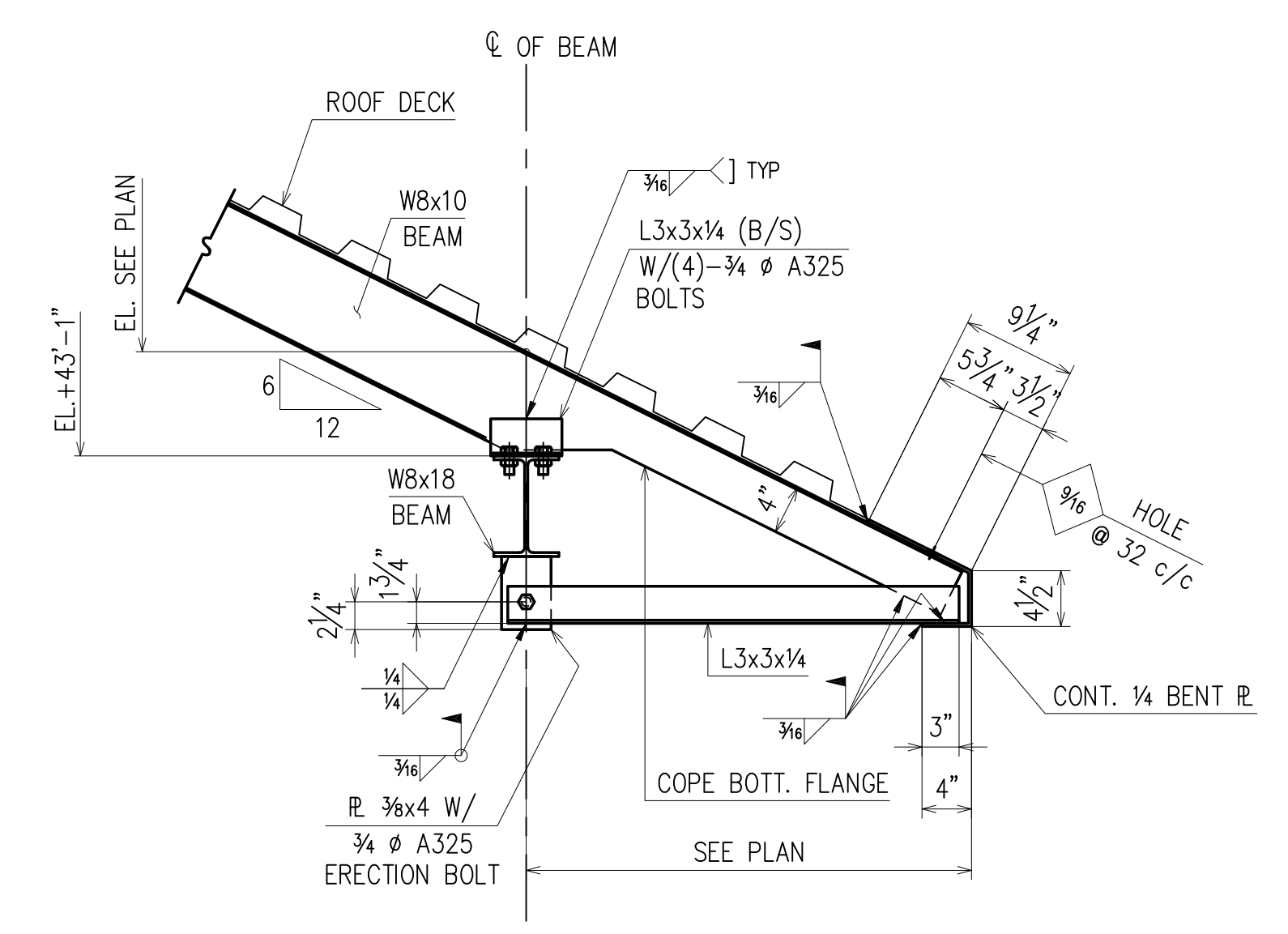
SECTION 3
(RE : 4/S-3)
(E3)



SECTION 4
(RE : 4/S-3)
(E3)



SECTION 5
(RE : 6/S-3)
(E4)

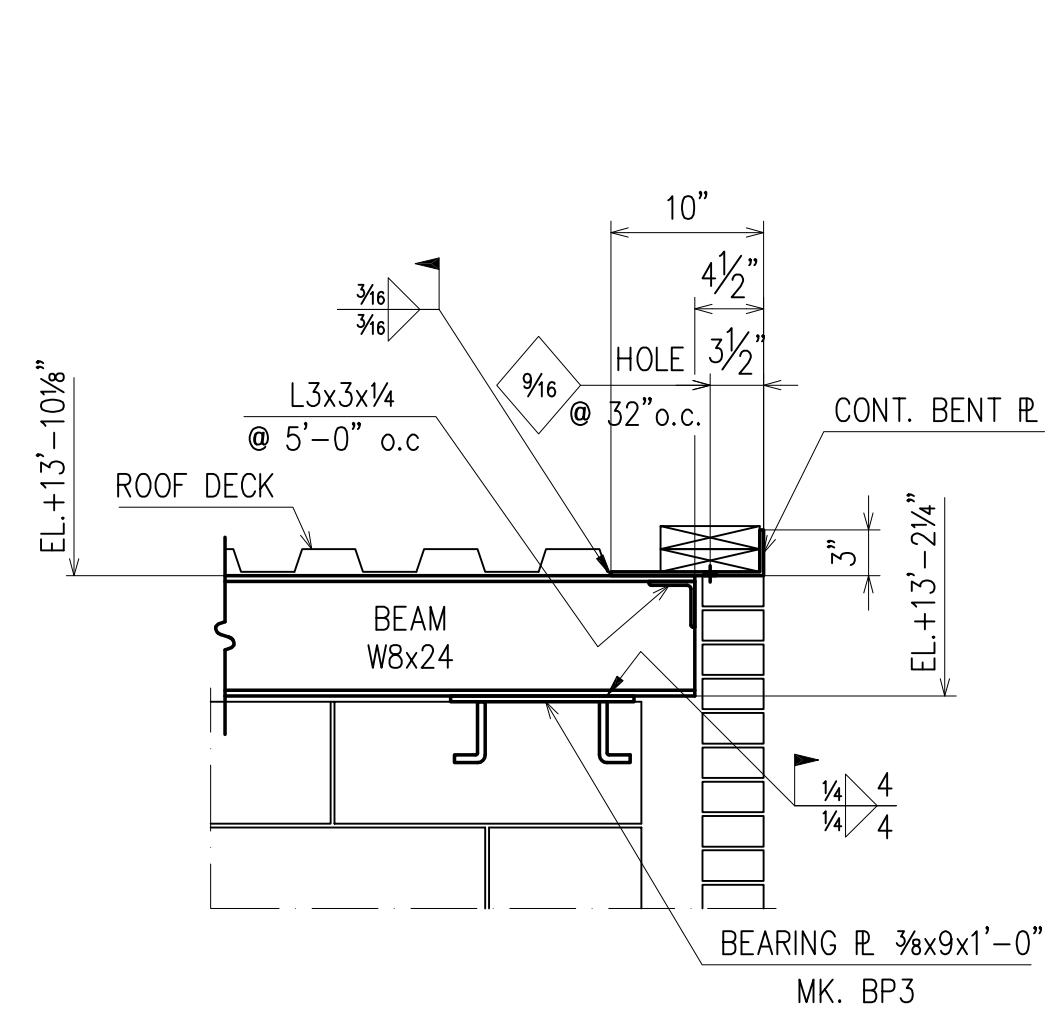


SECTION 6
(RE : 8/S-3)
(E5)

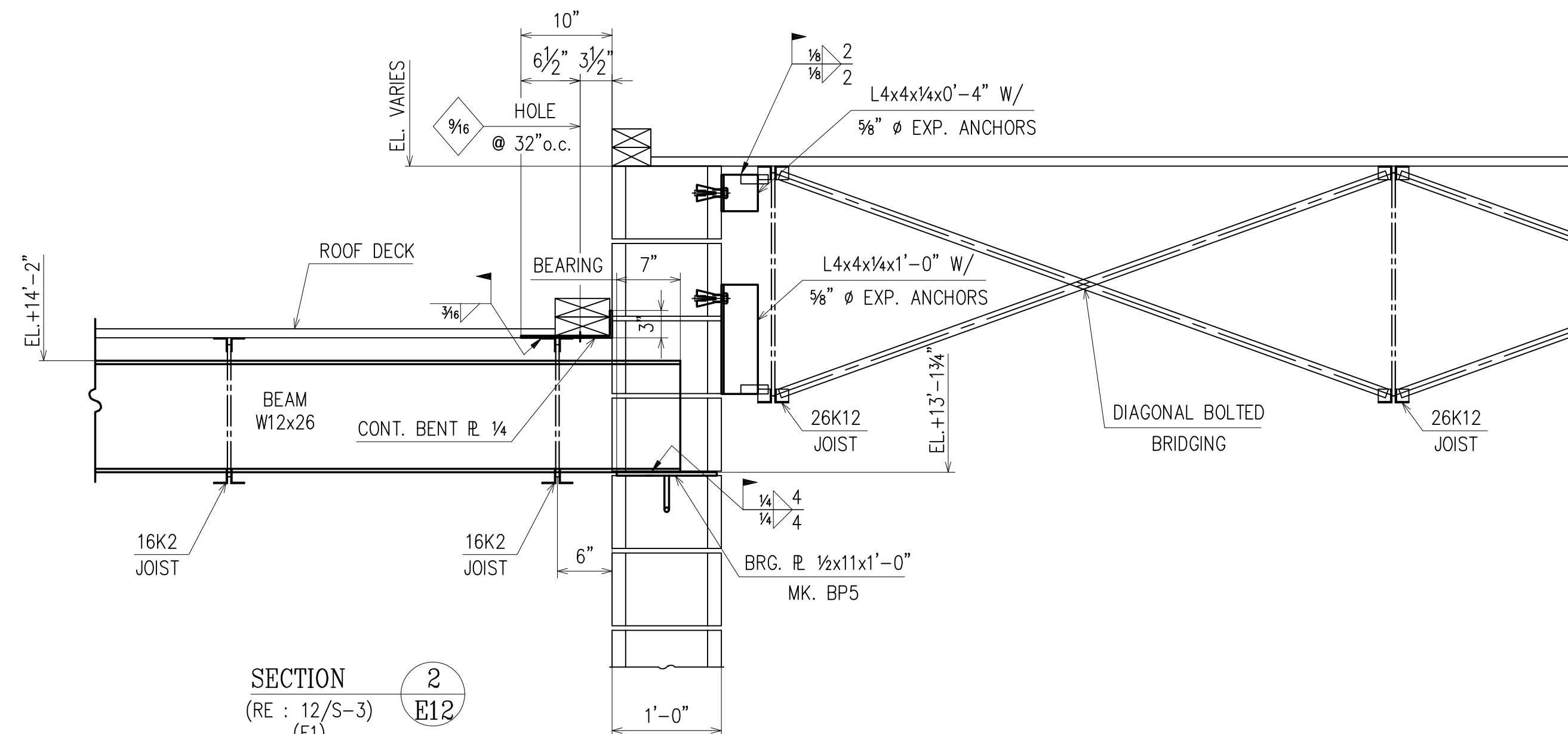
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Vineland, New Jersey 08360
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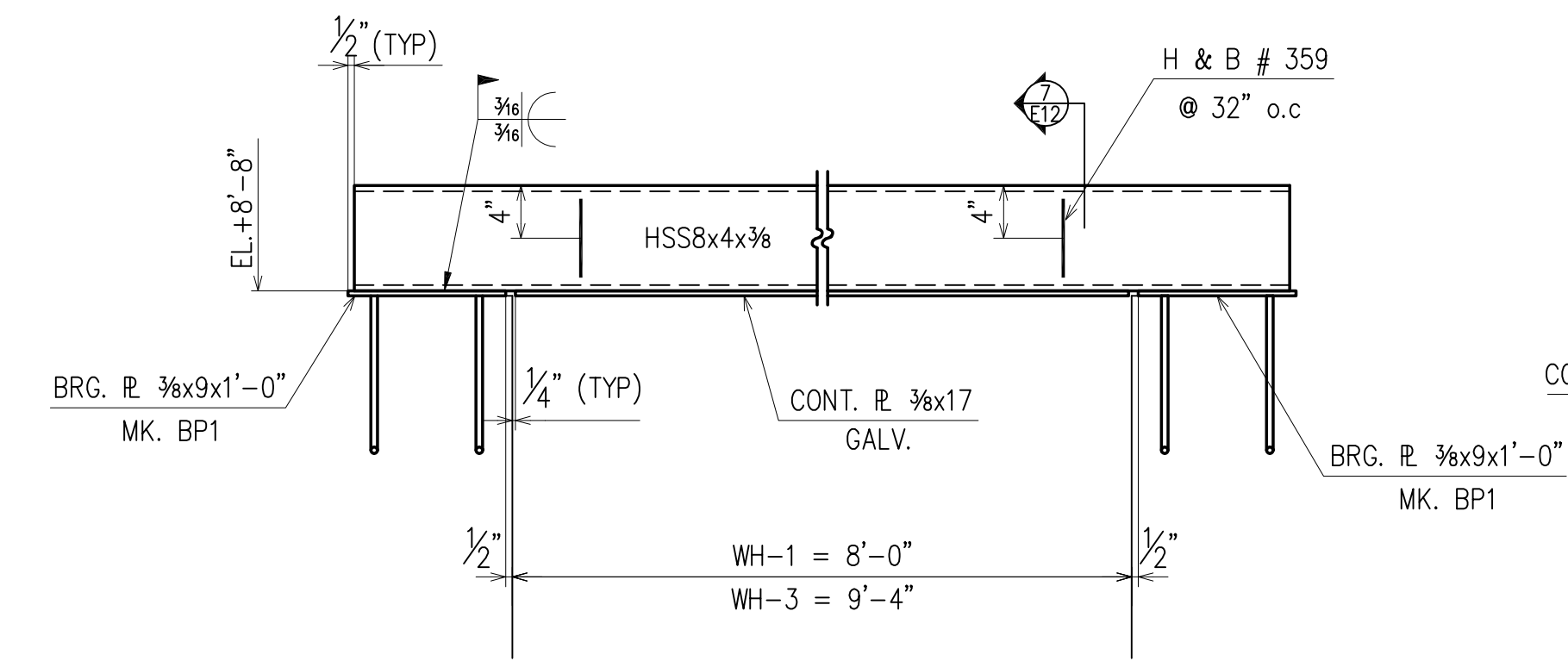
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MATERIAL:	5/16/12	PER APPROVAL				4th APPVL	
HOLES:	4/16/12	PER CHECK				3rd APPVL	
ELECTRODES:	E70XX	3/21/12	FOR APPROVAL			2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:							
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO	
DATE	3/08/12	LOCATION:	VOORHEES, NJ				
CHECKED	D5	DWG TITLE:	SECTIONS			DWG NO	
DATE	5/17/12					E11	



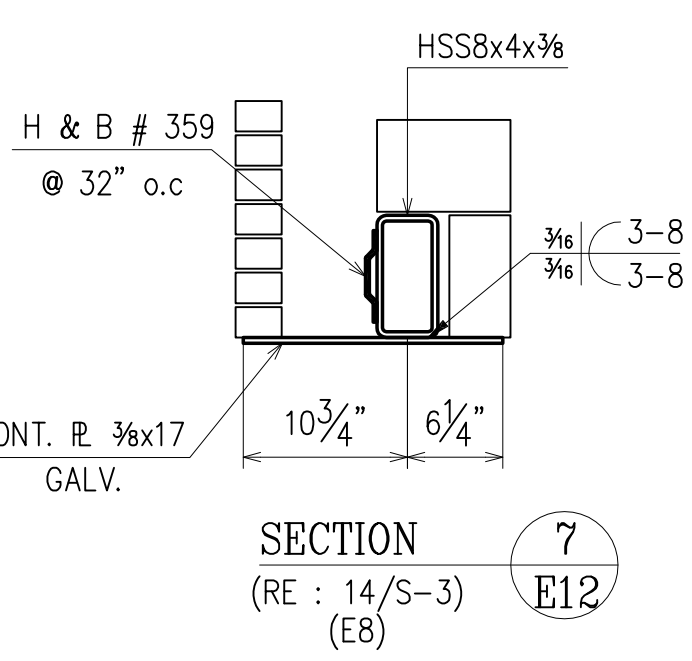
SECTION 1
(RE : 11/S-3)
(E1) E12



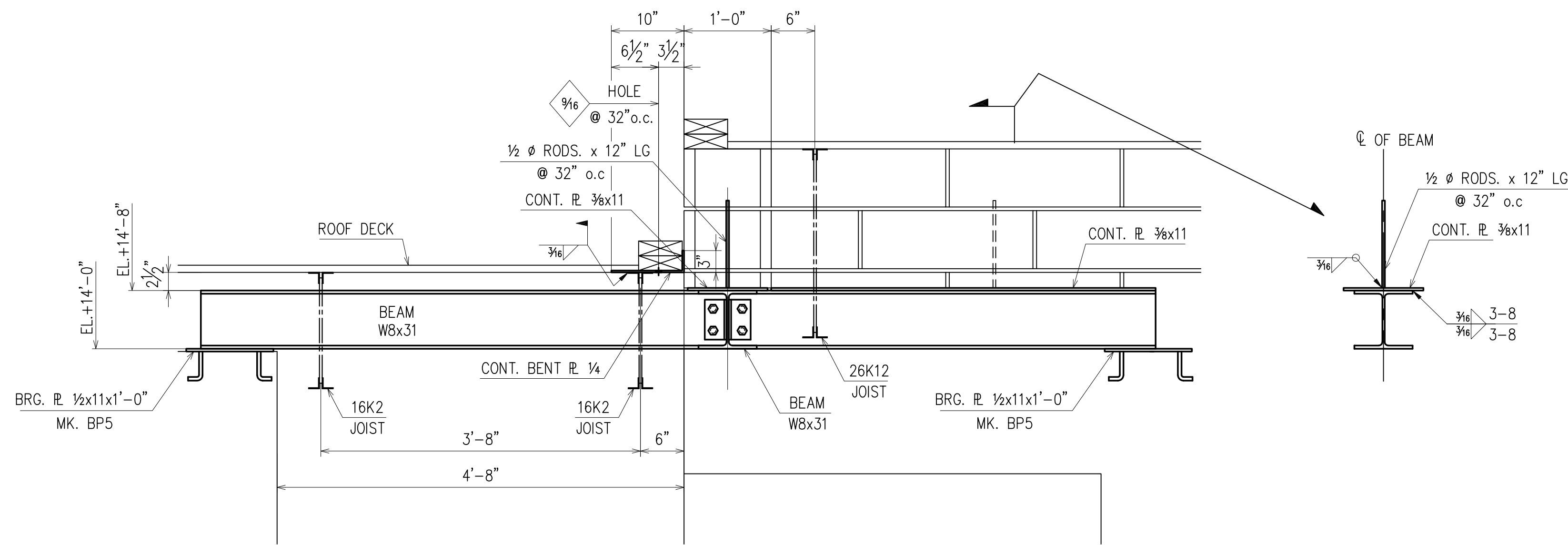
SECTION 2
(RE : 12/S-3)
(E1) E12



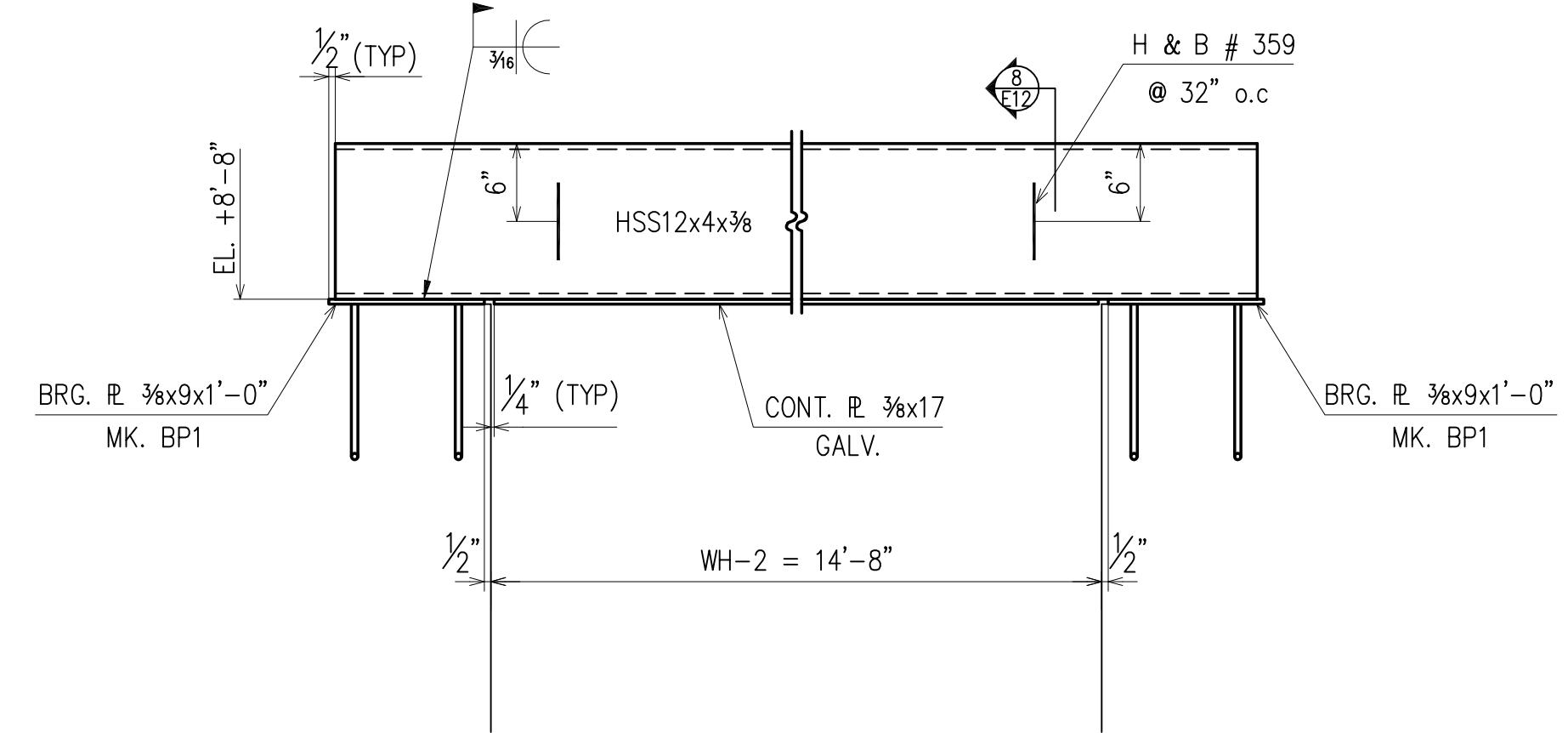
SECTION 3
(RE : 14/S-3)
(E8) E12



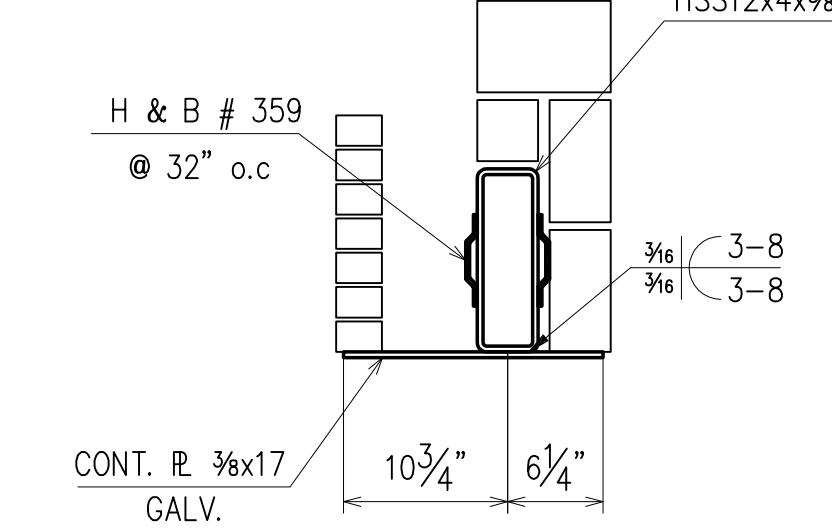
SECTION 7
(RE : 14/S-3)
(E8) E12



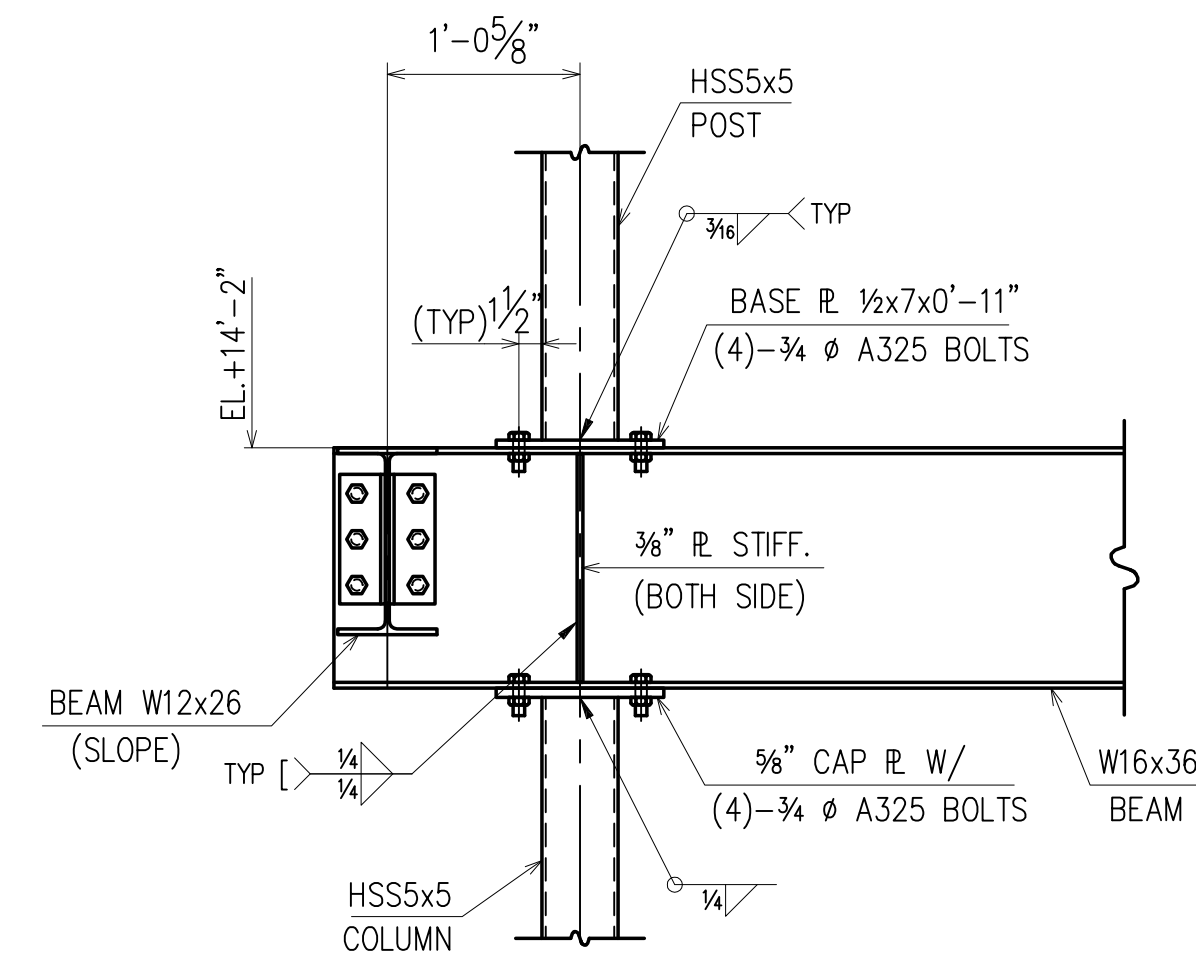
SECTION 4
(RE : 13/S-3)
(E1) E12



SECTION 5
(RE : 15/S-3)
(E8) E12



SECTION 8
(RE : 15/S-3)
(E8) E12

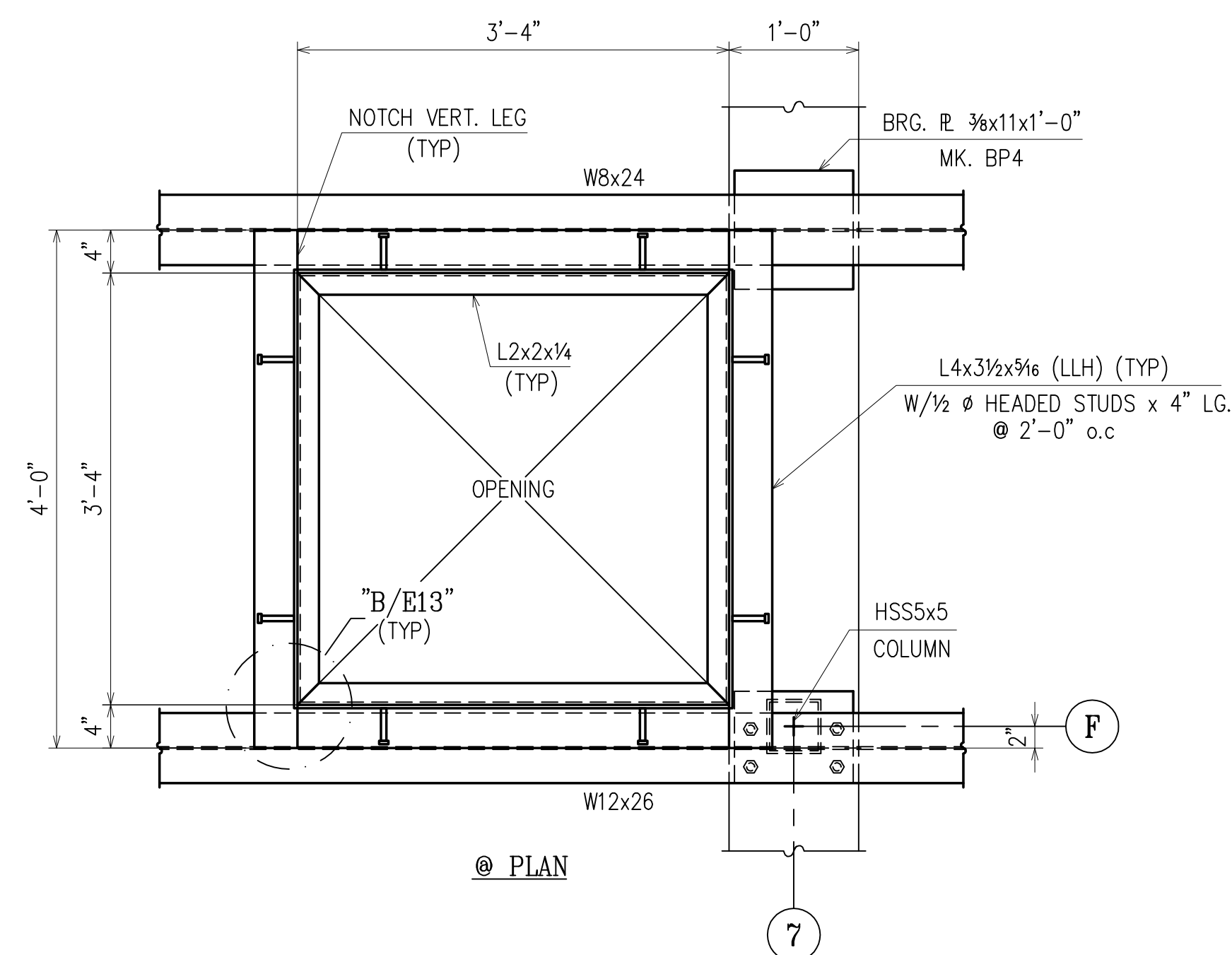


SECTION 6
(RE : 11/S-4)
(E1) E12

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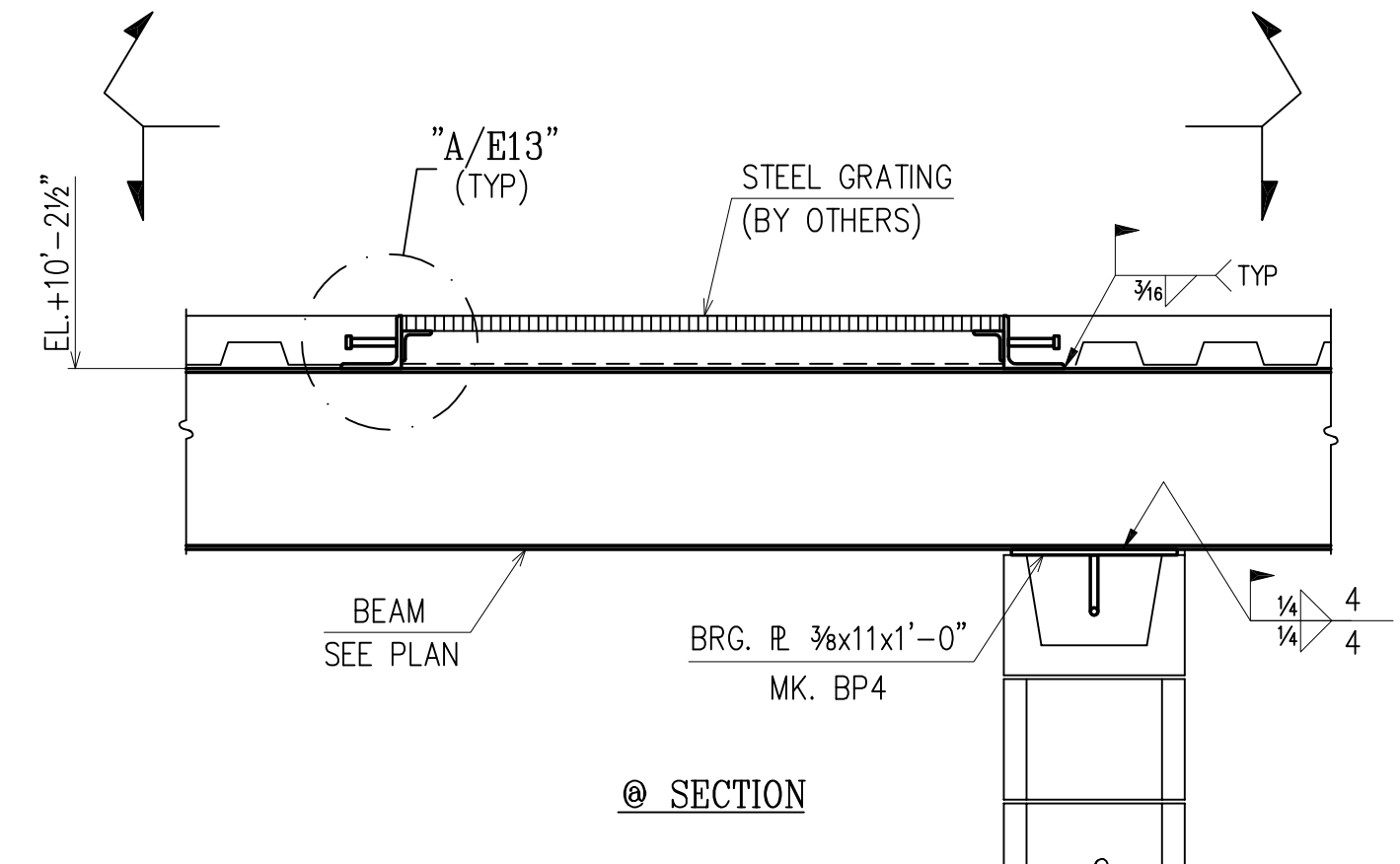
FOR ERECTION

PAINT:					FOR FIELD
MATERIAL:	5/22/12	PER CHECK			4th APPVL
HOLES:	5/16/12	PER APPROVAL			3rd APPVL
ELECTRODES:	E70XX	3/21/12	FOR APPROVAL		2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER:					
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION		CONTRACT NO
DATE	3/08/12	LOCATION:	VOORHEES, NJ		
CHECKED	D5	DWG TITLE:	SECTIONS		DWG NO
DATE	5/17/12				E12



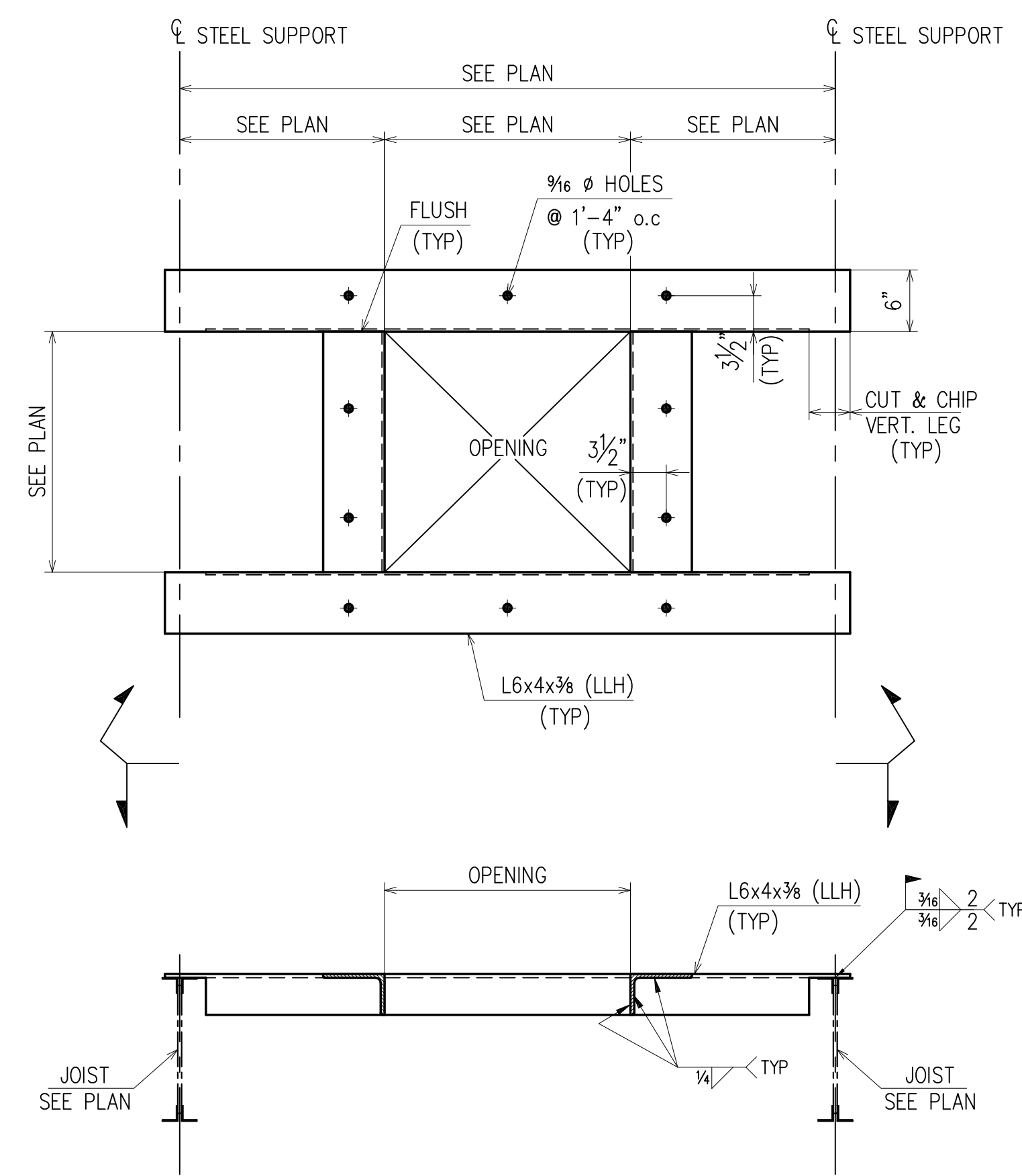
@ PLAN

7

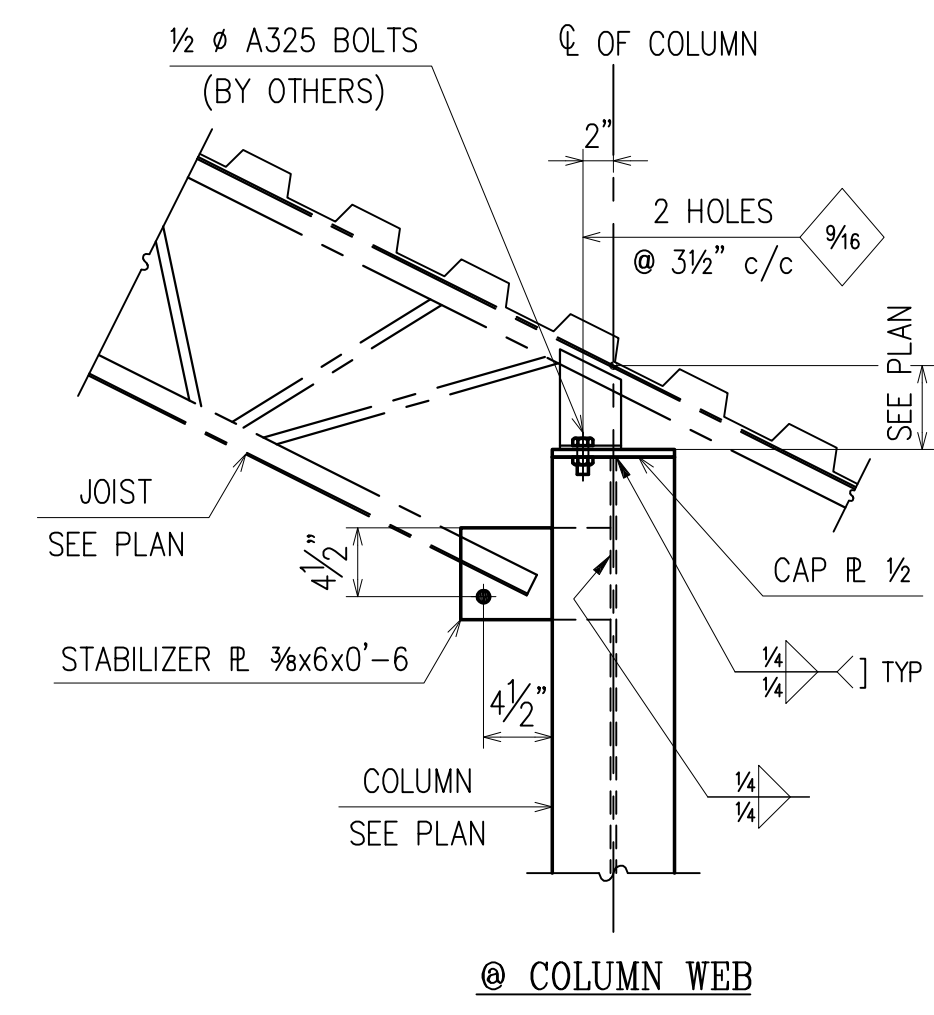


@ SECTION

TYPICAL MEZZANINE FLOOR HATCH DETAIL
(RE : 6/S-4)

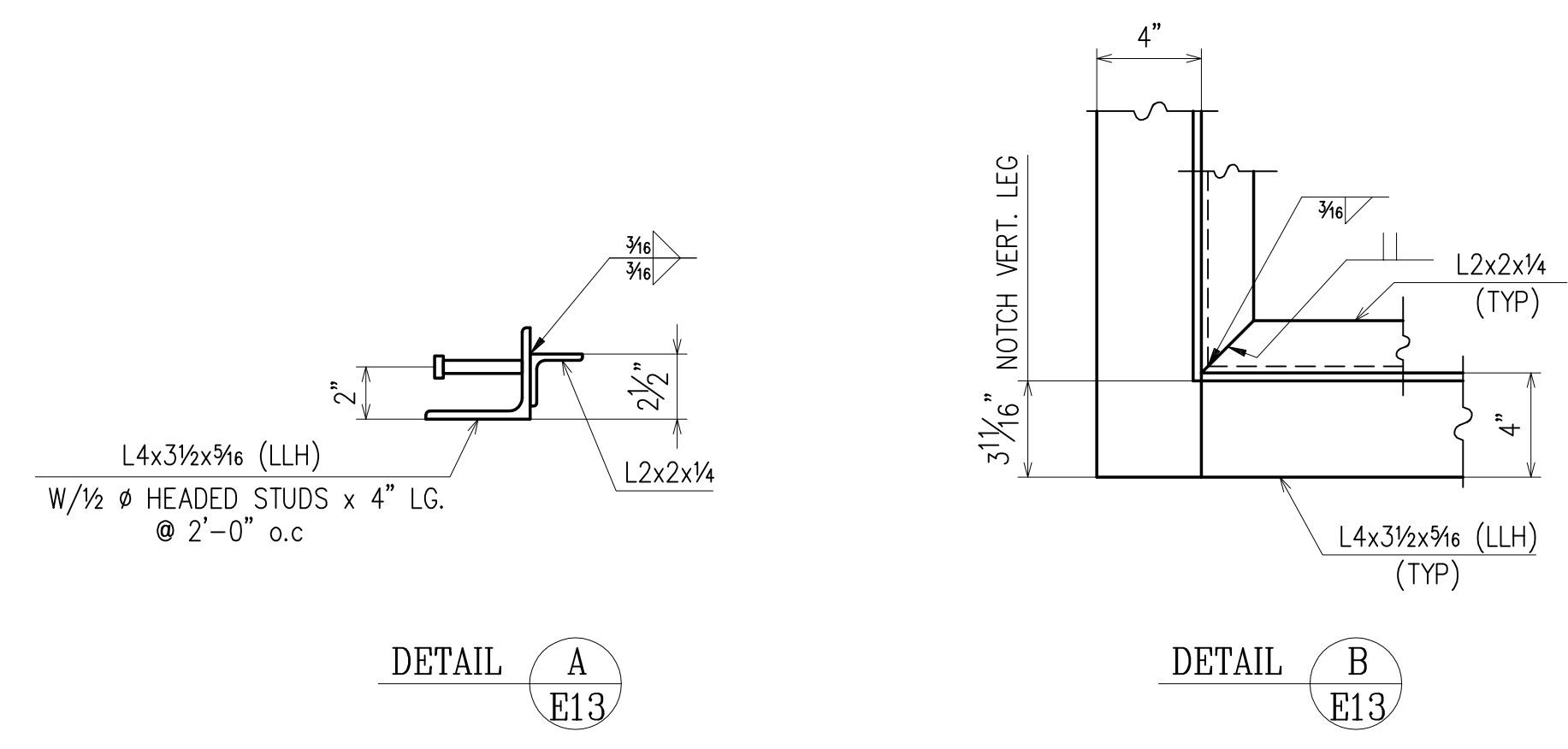


TYPICAL ROOF OPENING FRAME DETAIL
(RE : 10/S-4)



@ COLUMN WEB

TYPICAL JOIST TO COLUMN CONNECTION



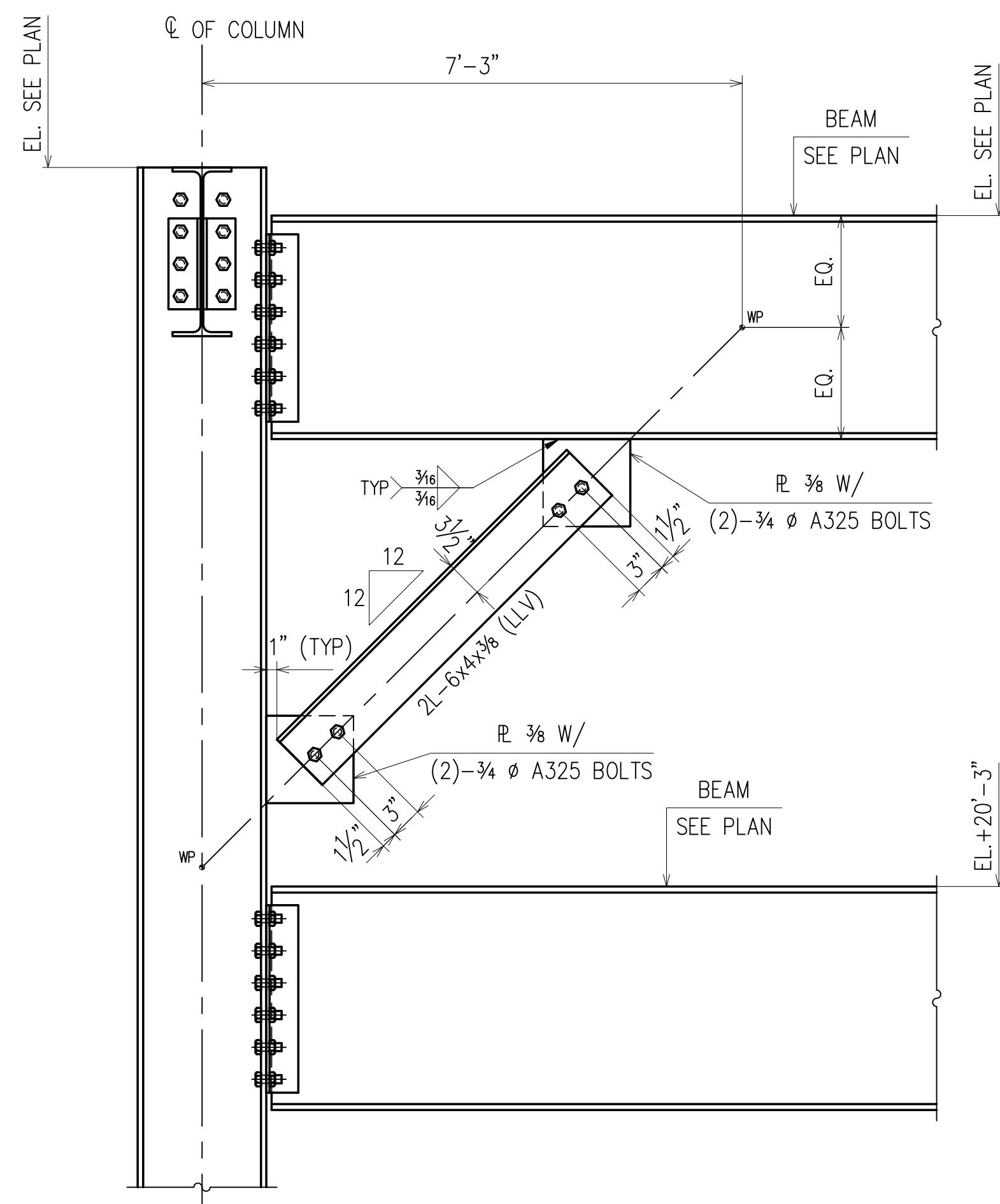
DETAIL A
E13

DETAIL B
E13

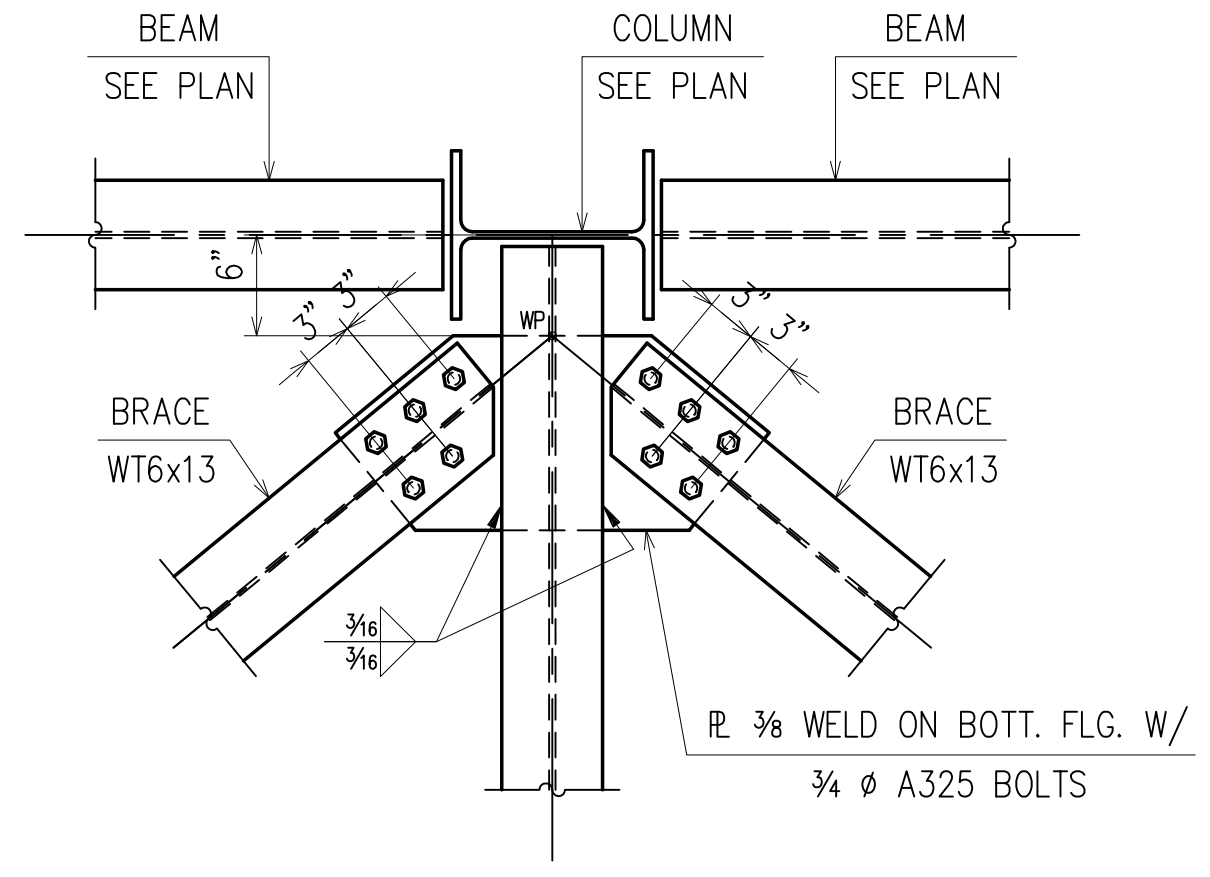
DRAWINGS PREPARED BY:
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Vineland, New Jersey 08360
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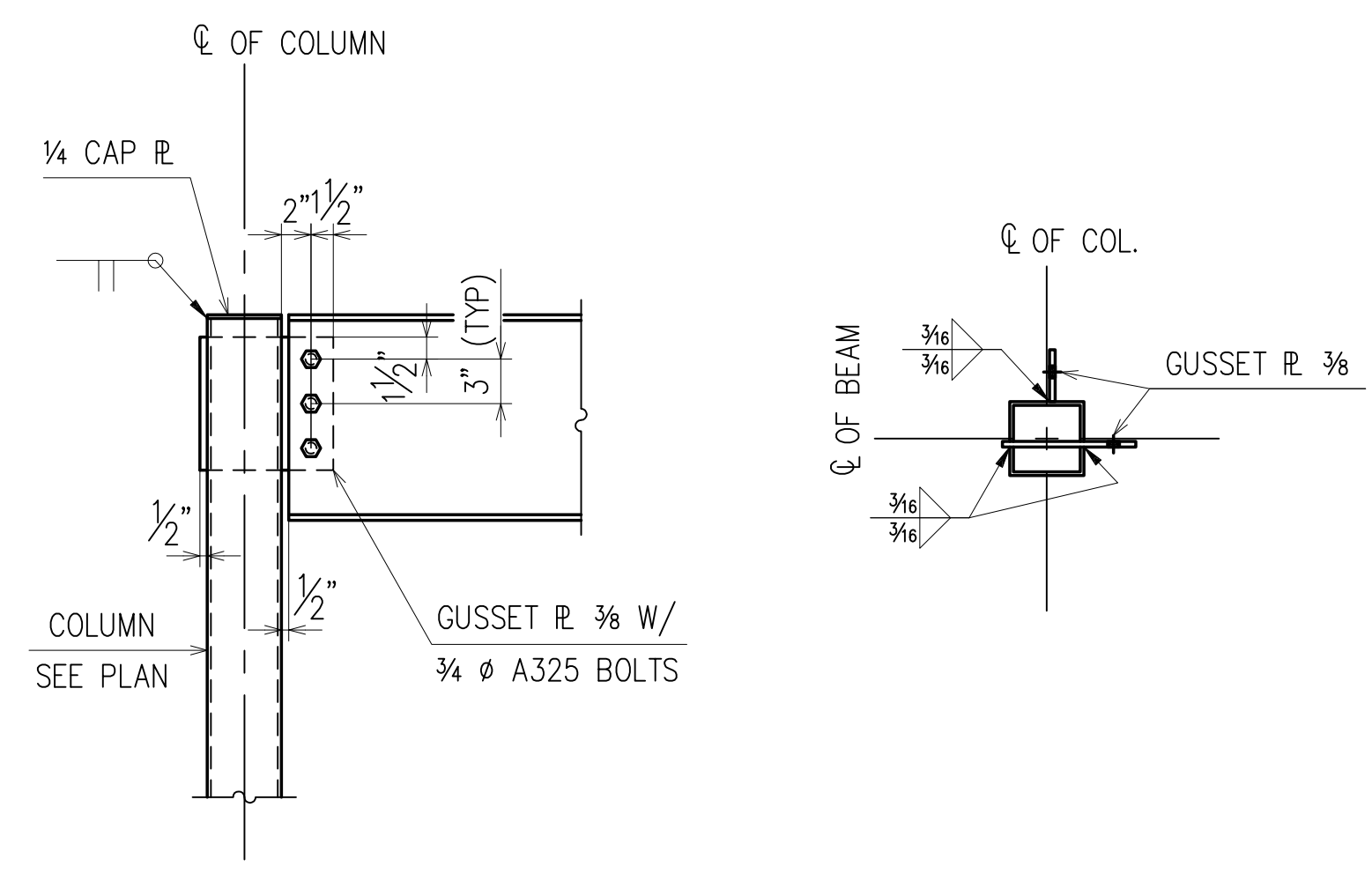
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MATERIAL:					4th APPVL
HOLES:	5/16/12	PER APPROVAL			3rd APPVL
ELECTRODES:	E70XX	3/21/12	FOR APPROVAL		2nd APPVL
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION	1st APPVL
SC	BC	BCSC	REVISIONS		DATE
CUSTOMER:					
DRAFTER	D5	PROJECT:	NEW VOORHEES FIRE STATION		CONTRACT NO
DATE	3/08/12	LOCATION:	VOORHEES, NJ		
CHECKED	D5	DWG TITLE:	TYPICAL DETAILS		DWG NO
DATE	5/17/12				E13



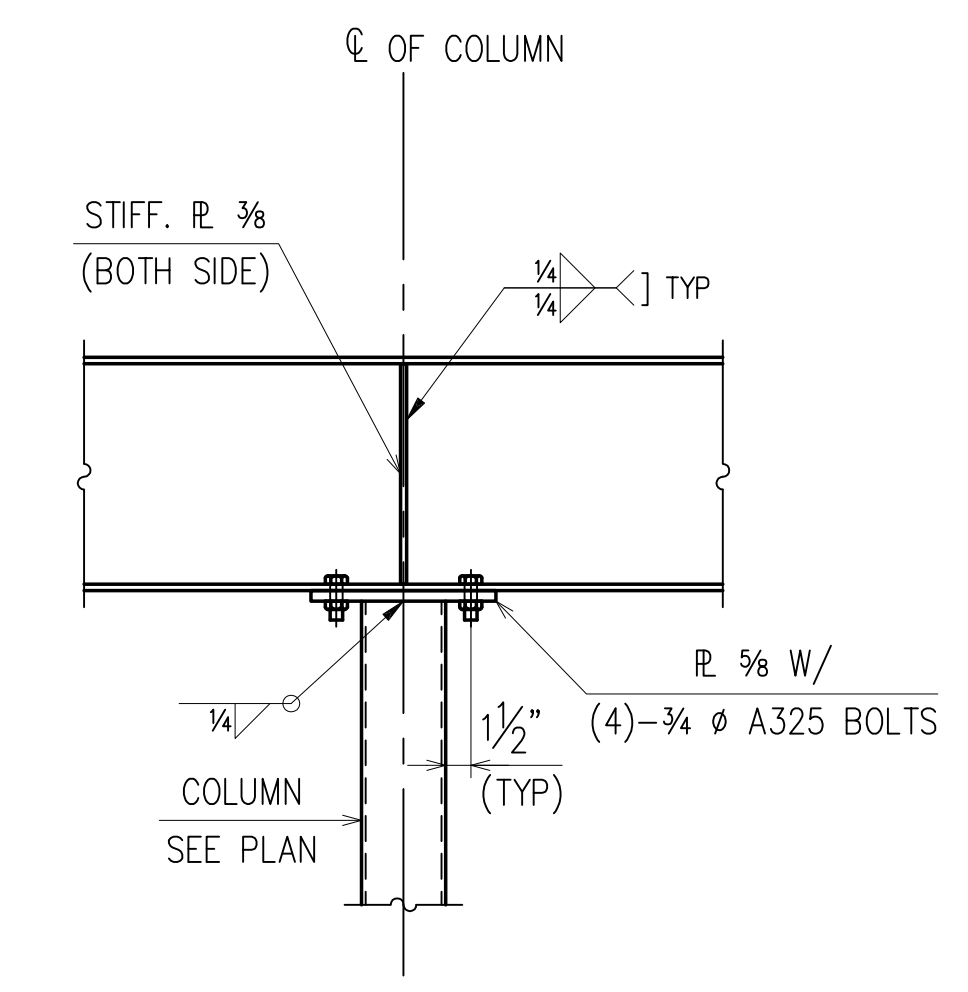
TYPICAL KNEE BRACE DETAIL
(RE : 4/S-5)



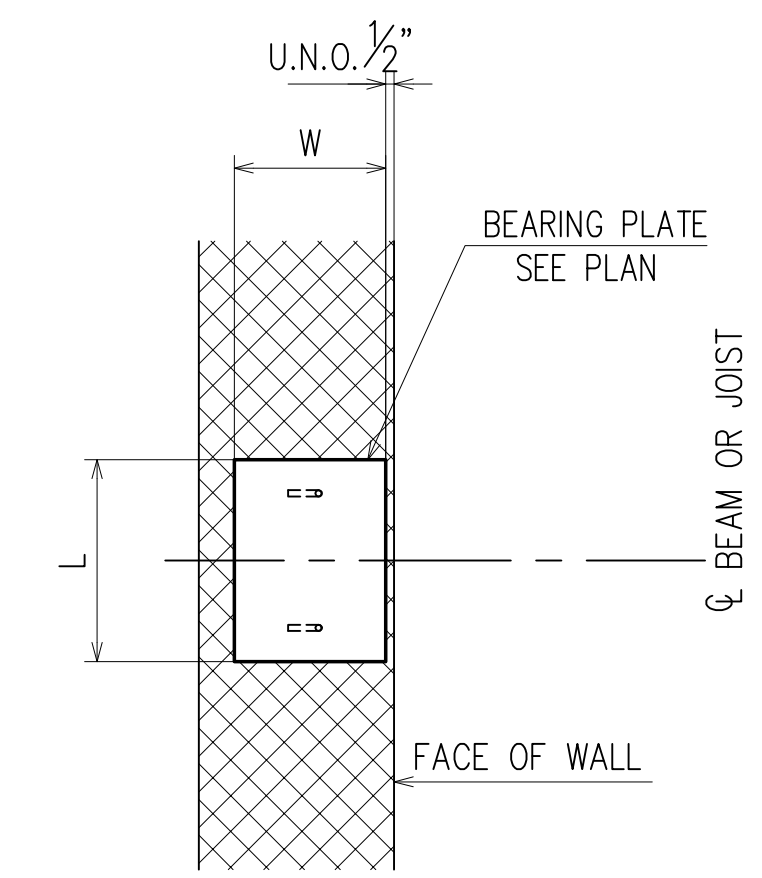
TYPICAL ROOF BRACE CONNECTION
(RE : 5/S-5)



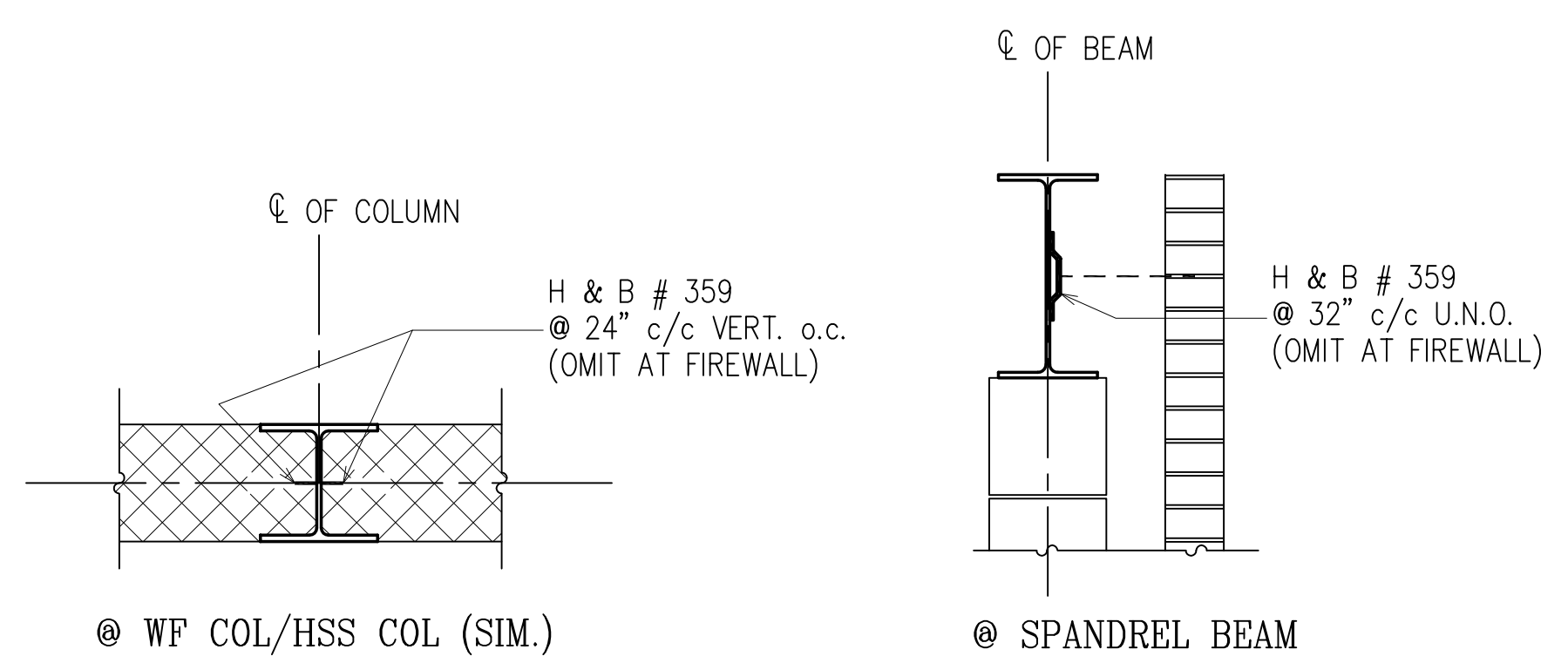
TYPICAL COLUMN CONNECTION DETAIL
(RE : 7/S-5)



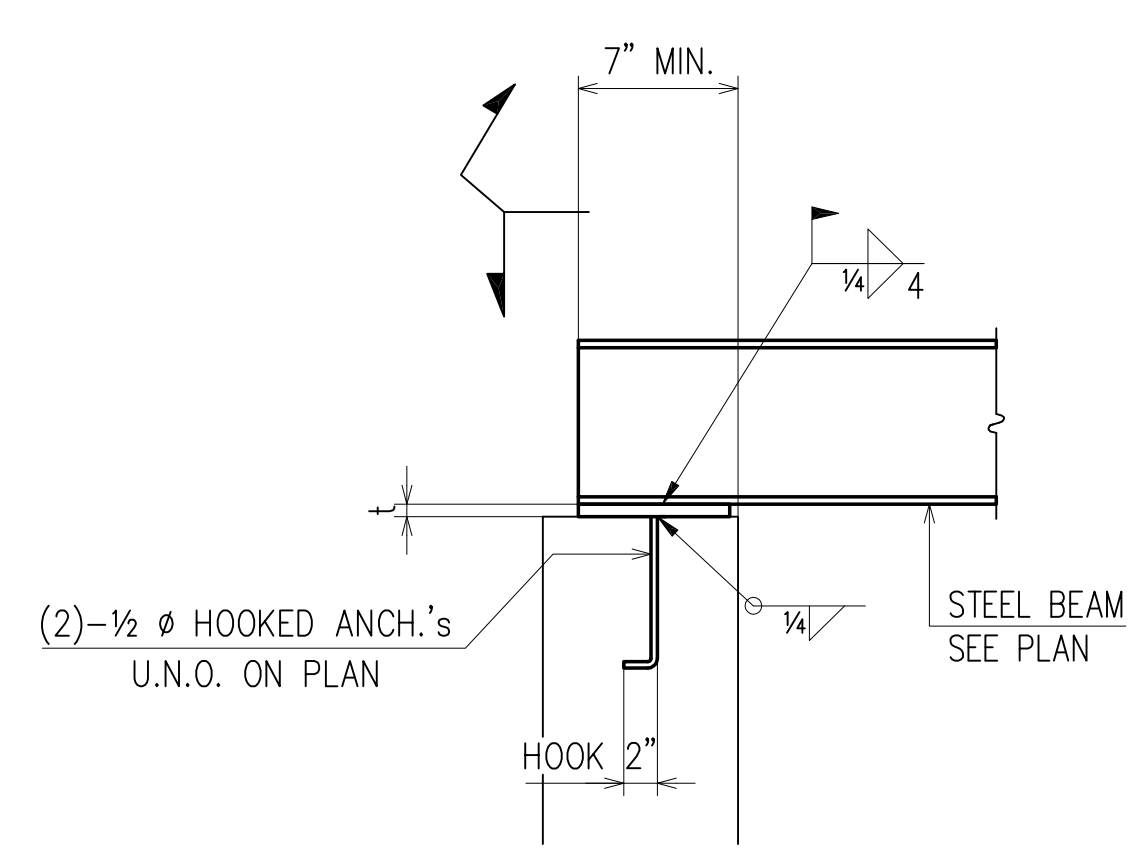
TYPICAL BEAM CANTILEVER
(RE : 7/S-5)



BEARING PLATES SCHEDULE				
BEARING PLATE	TYPE	PLATE SIZE t x W x L	ANCHORS	DESCRIPTION
1	I	3/8 x 9 x 1'-0"	2	BEAM/JOIST ON 10" C.M.U.
2	II	3/8 x 7 x 1'-6"	2	DOUBLE JOIST ON 8" BOND BEAM
3	II	3/8 x 9 x 1'-0"	2	BEAM/JOIST ON 10" BOND BEAM
4	II	3/8 x 11 x 1'-0"	2	DOUBLE JOIST ON 1'-0" BOND BEAM
5	II	1/2 x 11 x 1'-0"	2	BEAM ON 1'-0" C.M.U.



TYPICAL MASONRY ANCHORS DETAIL



TYPICAL BEARING PLATES DETAILS
(RE : 9/S-4 & S-5)

FOR ERECTION

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

PAIN:						FOR FIELD	
MATERIAL:						4th APPVL	
HOLES:	5/16/12	PER APPROVAL				3rd APPVL	
ELECTRODES: E70XX (LH) or Equiv.	3/21/12	FOR APPROVAL				2nd APPVL	
TOTAL WEIGHT	NO DATE	DESCRIPTION	NO DATE	DESCRIPTION		1st APPVL	
SC	BC	BCSC	REVISIONS			DATE	ISSUE
CUSTOMER:							
DRAFTER D5	PROJECT:	NEW VOORHEES FIRE STATION			CONTRACT NO.		
DATE 3/08/12	LOCATION:	VOORHEES, NJ					
CHECKED DFD	DWG TITLE:	TYPICAL DETAILS			DWG NO.		
DATE 5/17/12						E14	