

SKYLINE COLLEGE

STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING

SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT - 3401 CSM DRIVE, SAN MATEO, CA.

FILE NO. 41-C1/APPL. NO. 01-106658

DSA INCREMENT ONE SUBMITTAL

OCTOBER 21, 2004 PROJECT RECORD DOCUMENTS

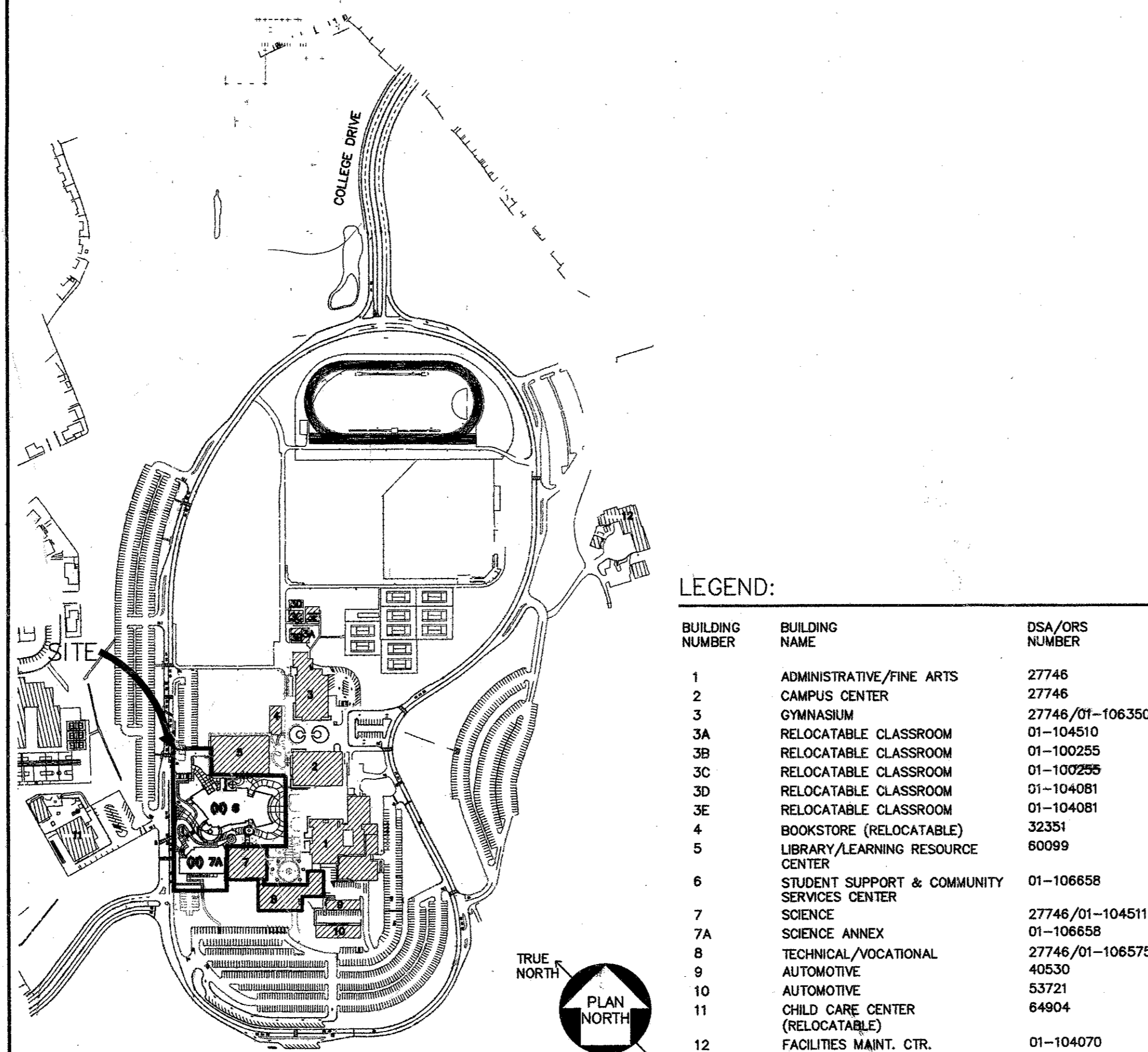
SHEET INDEX

Drawing No.	SHEET INDEX	DESCRIPTION	STATUS
A0.00	COVER SHEET		X FOR REFERENCE ONLY
A0.02	ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES		X FOR REFERENCE ONLY
A1.01	ARCHITECTURAL SITE PLAN		X FOR REFERENCE ONLY
C1.01	ROUGH GRADING PLAN		X FOR REFERENCE ONLY
C2.01	UTILITY PLAN		X FOR REFERENCE ONLY
AA0.21	BUILDING A - BUILDING CODE ANALYSIS AND EXITING PLAN		X FOR REFERENCE ONLY
AA2.01	BUILDING A - FIRST FLOOR PLAN		X FOR REFERENCE ONLY
AA2.02	BUILDING A - SECOND FLOOR PLAN		X FOR REFERENCE ONLY
AA2.03	BUILDING A - THIRD FLOOR PLAN		X FOR REFERENCE ONLY
AA2.04	BUILDING A - ROOF PLAN		X FOR REFERENCE ONLY
AA4.01	BUILDING A - BUILDING SECTIONS		X FOR REFERENCE ONLY
AA4.02	BUILDING A - BUILDING SECTIONS		X FOR REFERENCE ONLY
AA5.01	BUILDING A - EXTERIOR ELEVATIONS		X FOR REFERENCE ONLY
AA5.02	BUILDING A - EXTERIOR ELEVATIONS		X FOR REFERENCE ONLY
AB0.21	BUILDING B - BUILDING CODE ANALYSIS & EXITING PLAN		X FOR REFERENCE ONLY
AB1.01	BUILDING B - GEOMETRY PLAN		X FOR REFERENCE ONLY
AB2.01	BUILDING B - FIRST FLOOR PLAN		X FOR REFERENCE ONLY
AB2.02	BUILDING B - SECOND FLOOR PLAN		X FOR REFERENCE ONLY
AB2.03	BUILDING B - ROOF PLAN		X FOR REFERENCE ONLY
AB4.01	BUILDING B - BUILDING SECTIONS		X FOR REFERENCE ONLY
AB4.02	BUILDING B - BUILDING SECTIONS		X FOR REFERENCE ONLY
AB4.03	BUILDING B - ENLARGED BUILDING SECTIONS		X FOR REFERENCE ONLY
AB4.11	BUILDING B - EXTERIOR WALL SECTIONS		X FOR REFERENCE ONLY
AB4.12	BUILDING B - EXTERIOR WALL SECTIONS		X FOR REFERENCE ONLY
AB4.13	BUILDING B - EXTERIOR WALL SECTIONS		X FOR REFERENCE ONLY
AB4.14	BUILDING B - EXTERIOR WALL SECTIONS		X FOR REFERENCE ONLY
AB5.01	BUILDING B - EXTERIOR ELEVATIONS (NORTH AND SOUTH)		X FOR REFERENCE ONLY
AB5.02	BUILDING B - EXTERIOR ELEVATIONS (EAST AND SOUTHWEST)		X FOR REFERENCE ONLY
SS0.0	GENERAL NOTES		X
SS0.1	GENERAL NOTES		X
SS1.1	TYPICAL DETAILS		X
SS1.2	TYPICAL DETAILS		X
SS1.3	TYPICAL STEEL DECK DETAILS		X
SS1.4	TYPICAL DETAILS		X
SS1.5	TYPICAL STEEL DETAILS		X
SS1.6	TYPICAL STEEL DETAILS		X
SS1.7	MOMENT AND BRACE FRAME		X
SA2.01	BUILDING A - FIRST FLOOR PLAN		X
SA2.02	BUILDING A - SECOND FLOOR FRAMING PLAN		X
SA2.03	BUILDING A - THIRD FLOOR FRAMING PLAN		X
SA2.04	BUILDING A - ROOF FRAMING PLAN		X
SB2.01	BUILDING B - FIRST FLOOR PLAN		X
SB2.02	BUILDING B - SECOND FLOOR FRAMING PLAN		X
SB2.03	BUILDING B - ROOF FRAMING PLAN		X
SS5.1	BRACE FRAME ELEVATIONS		X
SS6.1	BRACE FRAME SCHEDULE		X
SS6.2	SECTIONS AND DETAILS		X
SS6.3	SECTIONS AND DETAILS		X
SS6.4	SECTIONS AND DETAILS		X
SS6.5	SECTIONS AND DETAILS		X
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SS6.98	SECTIONS AND DETAILS		X
SS6.99	SECTIONS AND DETAILS		X
SS6.100	SECTIONS AND DETAILS		X

PROJECT DIRECTORY

DESIGN/BUILDER	HENSEL PHELPS CONSTRUCTION 2107 NORTH FIRST STREET, SUITE 101 SAN JOSE, CA 95131	(408) 452-1800 (408) 452-1855	MIKE MEREDITH
EXECUTIVE ARCHITECT	THE STEINBERG GROUP 60 PIERCE AVE. SAN JOSE, CA 95110	(408) 295-5446 (408) 295-5928 FAX	RON SAIKI, AIA MICHAEL CERVANTES OLIVIA TROUARD
ASSOCIATE ARCHITECT	FENTRESS BRADBURN ARCHITECTS 421 BROADWAY DENVER, CO 80203	(303) 722-5000 (303) 722-5080 FAX	PATRICK STANLEY GREG GIDEZ
CIVIL ENGINEER	BKF CIVIL ENGINEERS 981 RIDDER PARK DRIVE, SUITE 100 SAN JOSE, CA 95131	(408) 467-9126 (408) 467-9199 FAX	SCOTT SCHORK JEREMY MARELLO
STRUCTURAL ENGINEER	CROSBY GROUP STRUCTURAL ENGINEERS 726 MAIN STREET REDWOOD CITY, CA 94063	(650) 367-5352 (650) 367-8189 FAX	COLIN BLANEY TEJAS GOSHALIA
LABORATORY PLANNERS	AHSC-McLELLAN COPENHAGEN LAB PLANNING/DESIGN 180 PINE STREET, SUITE 305 SAN FRANCISCO, CA 94111	(206) 624-5300 (206) 624-5190	REZA AGAHIAN DAN MARKEY
MECHANICAL DESIGN/BUILD CONTRACTOR	CRITCHFIELD MECHANICAL, INC. 4086 CAMPBELL AVENUE MENLO PARK, CA 94025	(650) 614-4406 (650) 321-1798 FAX	KEVIN FIELDING JENNIFER FRASER
ELECTRICAL DESIGN/BUILD CONTRACTOR	DECKER ELECTRICAL 147 BEACON STREET SOUTH SAN FRANCISCO, CA 94080	(650) 635-1392 (650) 635-1732 FAX	DAVE BRANDI
ELECTRICAL ENGINEERS	RANDALL LAMB 208 UTAH STREET, SUITE 201 SAN FRANCISCO, CA 94103	(415) 512-9771 (415) 512-8940	AARON STRAUCH
PLUMBING DESIGN/BUILD CONTRACTOR	LESQUIRE COMPANY 3667 MT. DIABLO ROAD LAFAYETTE, CA 94549	(925) 283-2528 (925) 283-1630 FAX	STEVE TAKAHASHI
TITLE 24 ENERGY CONSULTANT	BUILDER'S ENERGY SERVICES 670 GLENVIEW COURT OAKROY, CA 95020	(408) 842-8241	DARREL KELLY
LANDSCAPE ARCHITECT	BEALS ALLIANCE 2455 THE ALAMEDA, SUITE 200 SANTA CLARA, CA 95050	(408) 850-3416 (408) 985-7260 FAX	CORBIN SCHNEIDER DEBORAH LUCKING
CONSTRUCTION MANAGER	SMINERTON MANAGEMENT & CONSULTING 3300 COLLEGE DRIVE, BLDG 12 SARATOGA, CA 95070	(650) 738-7047 (650) 738-7043 FAX	DOUG HENRY

CAMPUS PLAN



PROJECT DESCRIPTION

SKYLINE COLLEGE BUILDING 6 AND 7A STUDENT SUPPORT AND COMMUNITY SERVICES CENTER AND SCIENCE ANNEX

THE WORK INCLUDES CONSTRUCTION OF A NEW STAND ALONE 2 STORY STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND A NEW 3 STORY SCIENCE ANNEX. BOTH BUILDINGS ARE IN THE CENTRAL CAMPUS AREA ADJACENT TO EXISTING STRUCTURES. THE NEW SCIENCE ANNEX IS DIRECTLY ADJACENT TO THE EXISTING SCIENCE BUILDING. BOTH NEW BUILDINGS WILL BE TYPE II, 1 HOUR RATED, STEEL FRAMED STRUCTURES WITH FIRE SPRINKLERS. BUILDING UTILITIES WILL BE CONNECTED TO EXISTING CAMPUS INFRASTRUCTURE.

ADJACENT SITE AND LANDSCAPE WORK ARE ALSO PART OF THE PROJECT SCOPE. ALL NEW CONSTRUCTION WILL BE DESIGNED TO BE ACCESSIBLE. ADJACENT ACCESSIBLE PARKING WILL BE PROVIDED.

THE WORK IS BEING DESIGNED AND CONSTRUCTED AS A DESIGN/BUILD PROJECT. DUE TO SKYLINE'S REQUIREMENTS TO MEET THEIR EDUCATIONAL MASTER PLAN, FACILITIES MASTER PLAN AND BOND FUND COMMITMENTS, THE PROJECT IS BEING DIVIDED INTO 2 SEPARATE INCREMENTS FOR DSA REVIEW.

1. THE FIRST INCREMENT WILL BE A SUBMITTAL FOR THE FOUNDATION, SLAB ON GRADE, STRUCTURAL STEEL FRAMING AND METAL DECKS, AND ROUGH GRADING.

2. THE SECOND INCREMENTAL SUBMITTAL WILL INCLUDE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND LANDSCAPE DOCUMENTS FOR EACH SEPARATE BUILDING TO COMPLETE THE PROJECT.

FOR INCREMENTAL SUBMITTAL ONE, ARCHITECTURAL DRAWINGS WILL BE INCLUDED FOR REFERENCE ONLY AND WILL BE NOTED AS SUCH. INCREMENT TWO WILL INCLUDE ALL DRAWINGS REQUIRED FOR STRUCTURAL DETAILS AND INFORMATION NOT INCLUDED IN INCREMENT ONE, AS WELL AS ALL OTHER DRAWING AND SPECIFICATION INFORMATION REQUIRED TO OBTAIN APPROVAL FOR FIRE, LIFE, SAFETY AND ACCESSIBILITY REVIEWS AND APPROVAL.

APPLICABLE CODES

2001 BUILDING STANDARD ADMINISTRATION CODE.
PART 1, TITLE 24 C.C.R.

2001 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. ;
(1997 UNIFORM BUILDING CODE VOLUMES 1-3 AND 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. ;
(1996 NATIONAL ELECTRICAL CODE AND 1996 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. ;
(1997 UNIFORM MECHANICAL CODE AND 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. ;
(1997 UNIFORM PLUMBING CODE AND 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R. ;
(1997 UNIFORM FIRE CODE AND 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA REFERENCED STANDARDS CODE
PART 12, TITLE 24 C.C.R.

1990 TITLE 19,CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
ANSI A156, 19-1984 AMERICAN NATIONAL STANDARD FOR POWER ASSIST AND LOW ENRGY POWER OPERATED DOORS

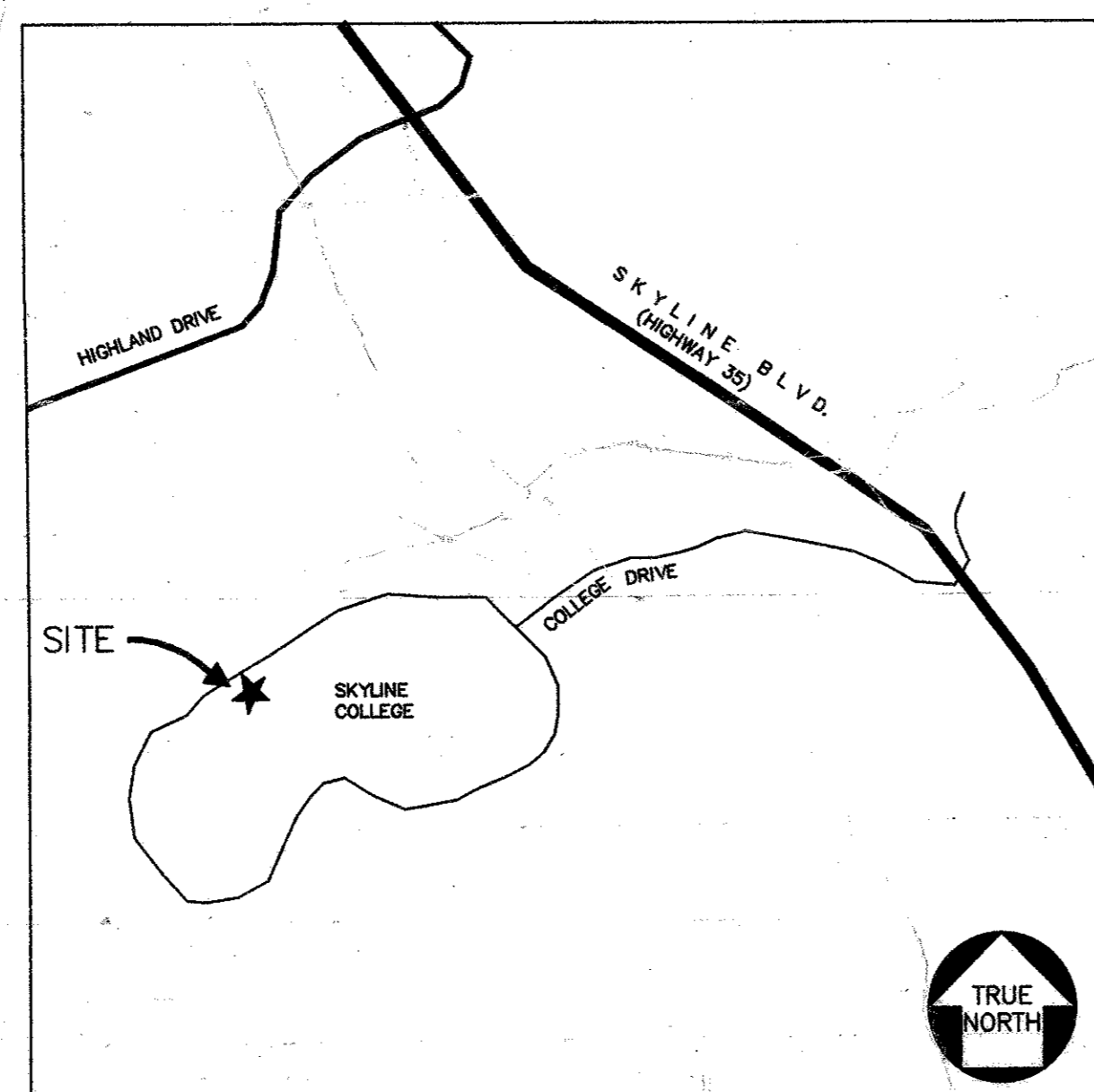
NATIONAL REFERENCE STANDARDS
NFPA 13 - AUTOMATIC FIRE SPRINKLER SYSTEMS - 1999 EDITION
NFPA 24 - PRIVATE FIRE MAINS, - 1995 EDITION
(CALIFORNIA AMENDED) NFPA 72 - NATIONAL FIRE ALRM CODES - 1999 EDITION
ADA - AMERICANS WITH DISABILITIES ACT, TITLE II: UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS)
OR AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS & FACILITIES (ADA AG)

DEFERRED APPROVAL

THE FOLLOWING ITEMS SHALL NOT BE INSTALLED UNTIL SIGNED ENGINEERING CALCULATIONS, DETAILED PLANS, SPECIFICATIONS AND EQUIPMENT SUBMITTALS HAVE BEEN SUBMITTED, REVIEWED, AND APPROVED BY THE ENGINEER, ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.

- OVERHEAD FIRE SPRINKLER
- CUTRAIN WALL
- ELEVATOR TITLE 24 PART 1; 4-317
- GFCR PANELS DEFERRED APPROVALS ONLY WHERE A PORTION OF THE CONSTRUCTION CANNOT BE ADEQUATELY DETAILED ON THE APPROVED PLANS BECAUSE OF VARIATIONS IN PRODUCT DESIGN AND/OR MANUFACTURER. THE APPROVAL OF PLANS FOR SUCH PORTION, WHEN SPECIFICALLY ACCEPTED BY DSA, MAY BE DEFERRED UNTIL THE MATERIAL SUPPLIERS ARE SELECTED PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - THE PROJECT PLANS CLEARLY INDICATE THAT A DEFERRED APPROVAL BY DSA IS REQUIRED FOR THE INDICATED PORTIONS OF THE WORK PRIOR TO FABRICATION AND INSTALLATION.
 - THE PROJECT PLANS AND SPECIFICATIONS ADEQUATELY DESCRIBE THE PERFORMANCE AND TESTING CRITERIA FOR SUCH WORK.
 - AN ARCHITECT OR REGISTERED ENGINEER STAMPS AND SIGNS THE PLANS AND SPECIFICATIONS FOR THE DEFERRED APPROVAL ITEM. THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF THE DESIGN OF THE APPROVAL ITEM TO THE ENFORCEMENT AGENCY, WITH NOTATION INDICATING THAT THE DEFERRED APPROVAL DOCUMENTS HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING.
 - FABRICATION OF DEFERRED APPROVAL ITEMS SHALL NOT BEGIN WITHOUT FIRST OBTAINING THE APPROVAL OF PLANS AND SPECIFICATIONS BY DSA.

VICINITY MAP



ADMINISTRATIVE REQUIREMENTS

CHAPTER 4 PART 1, TITLE 24, C.C.R., ADMINISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY)

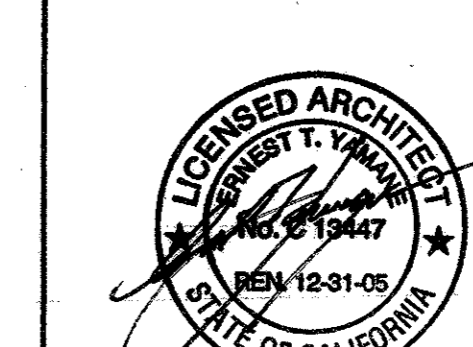
- A COPY OF PARTS 1 AND 2, TITLE 24, C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
- ALL CHANGE ORDERS AND ADDENDA TO BE SIGNED BY THE ARCHITECT AND THE OWNER AND APPROVED BY DSA. CHANGE ORDERS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-335, PART 1, TITLE 24.
- ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED 7 & 1 SHEET.
- TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
- DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
- INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333 (B). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
- SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
- CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM SSS-6) IN ACCORDANCE WITH SECTION 4-336, AND 4-343, PART 1, TITLE 24.
- THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333 (A) AND 4-341, PART 1, TITLE 24.
- THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24.

THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS LISTED BELOW HAVE BEEN COORDINATED WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE.

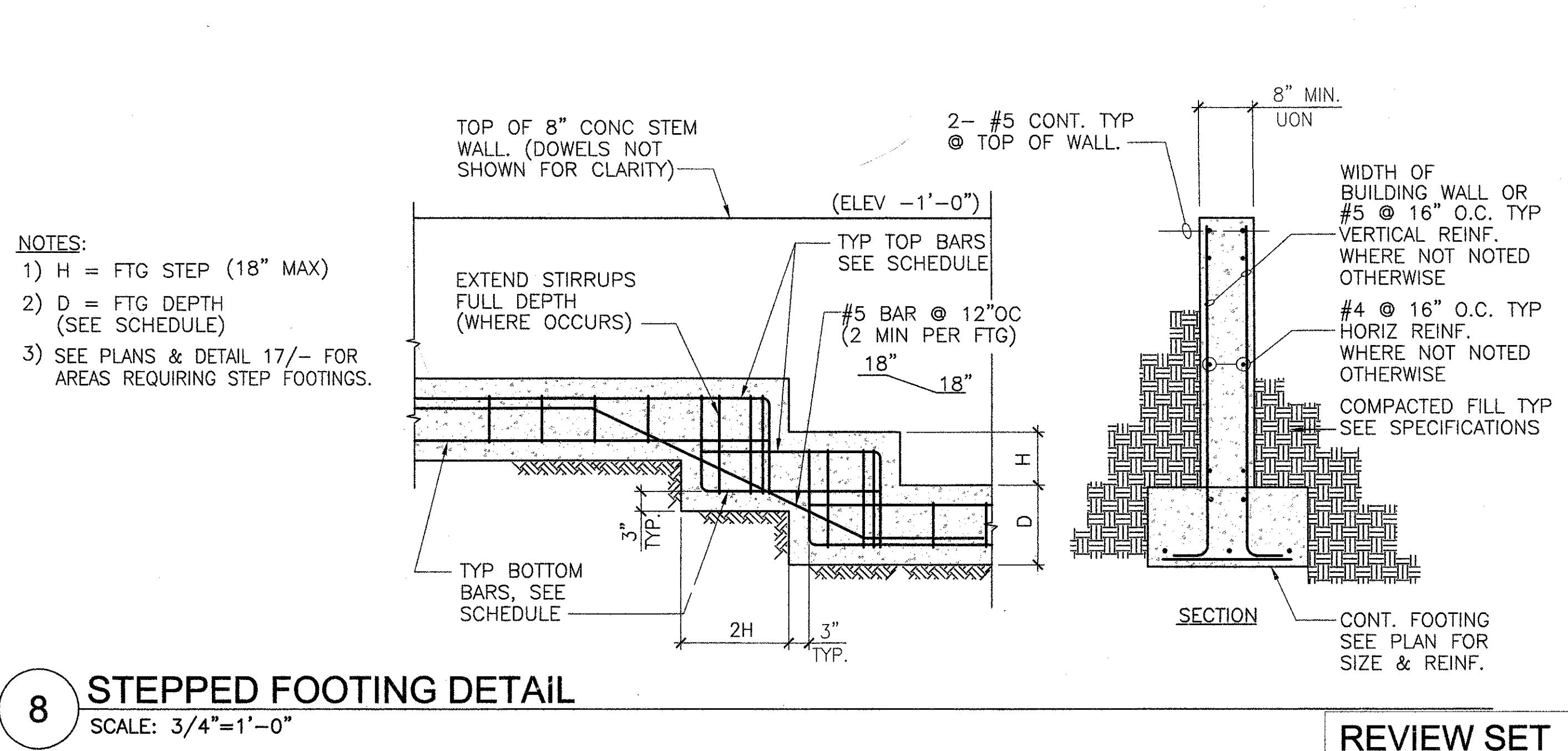
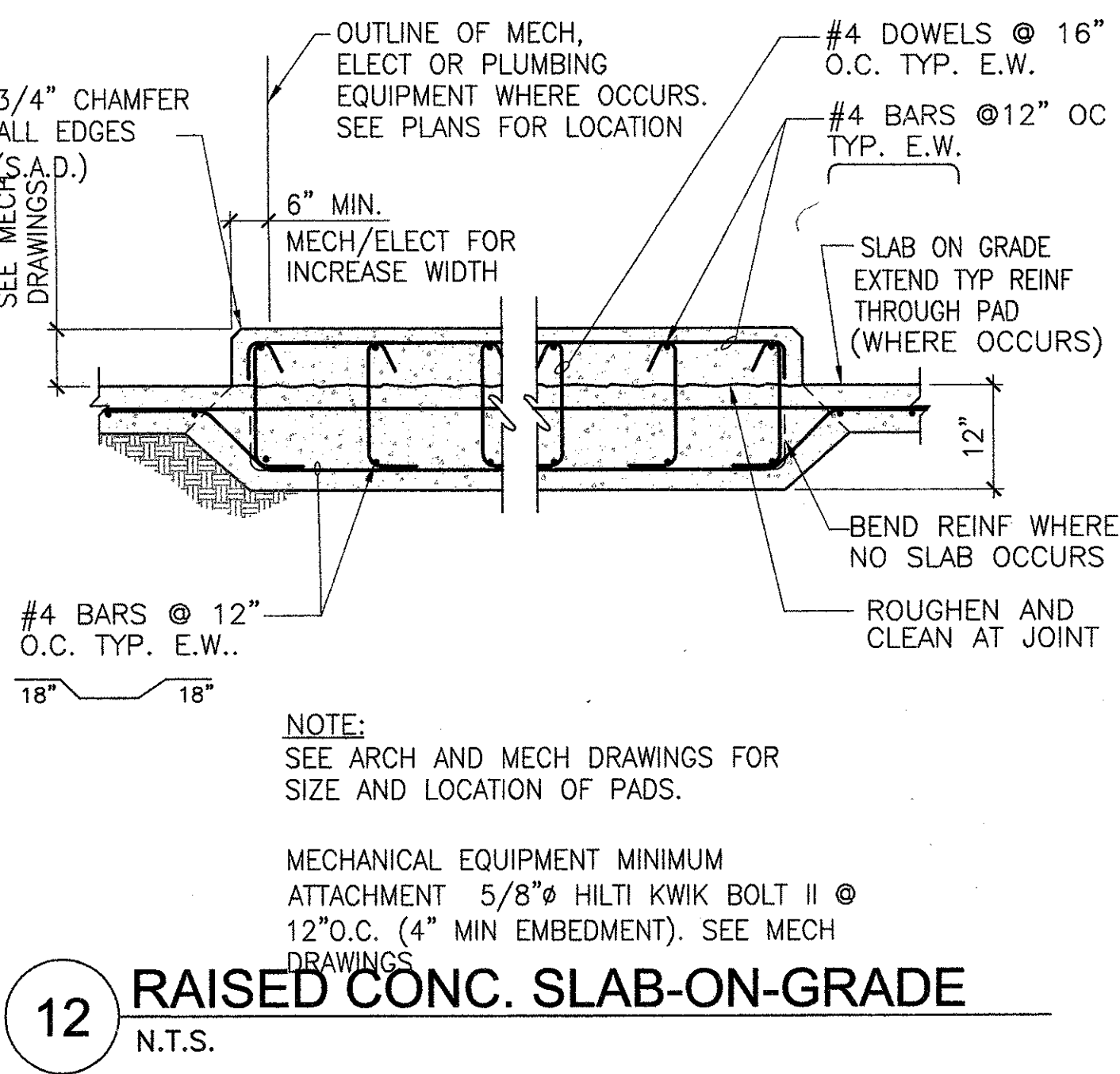
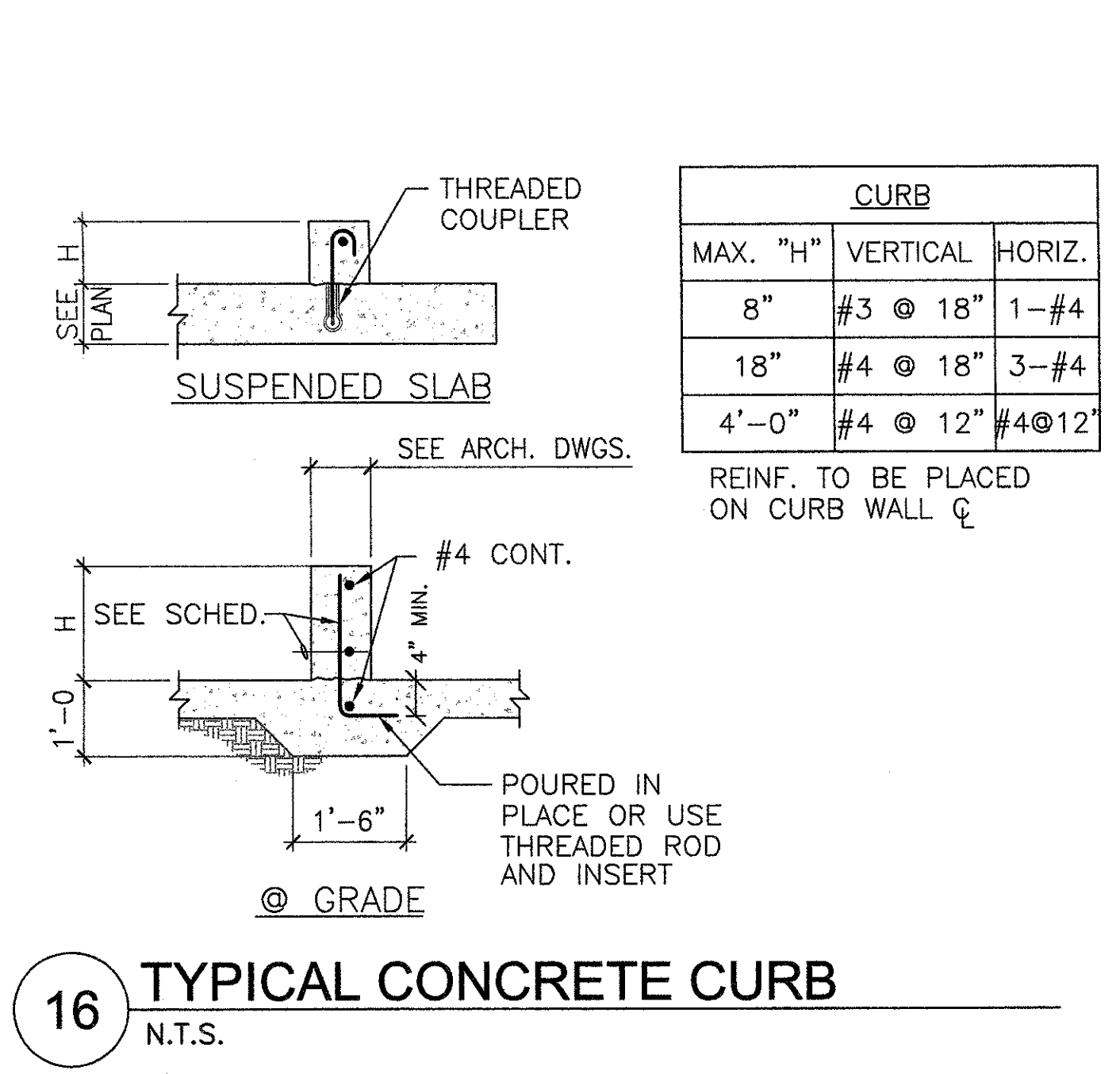
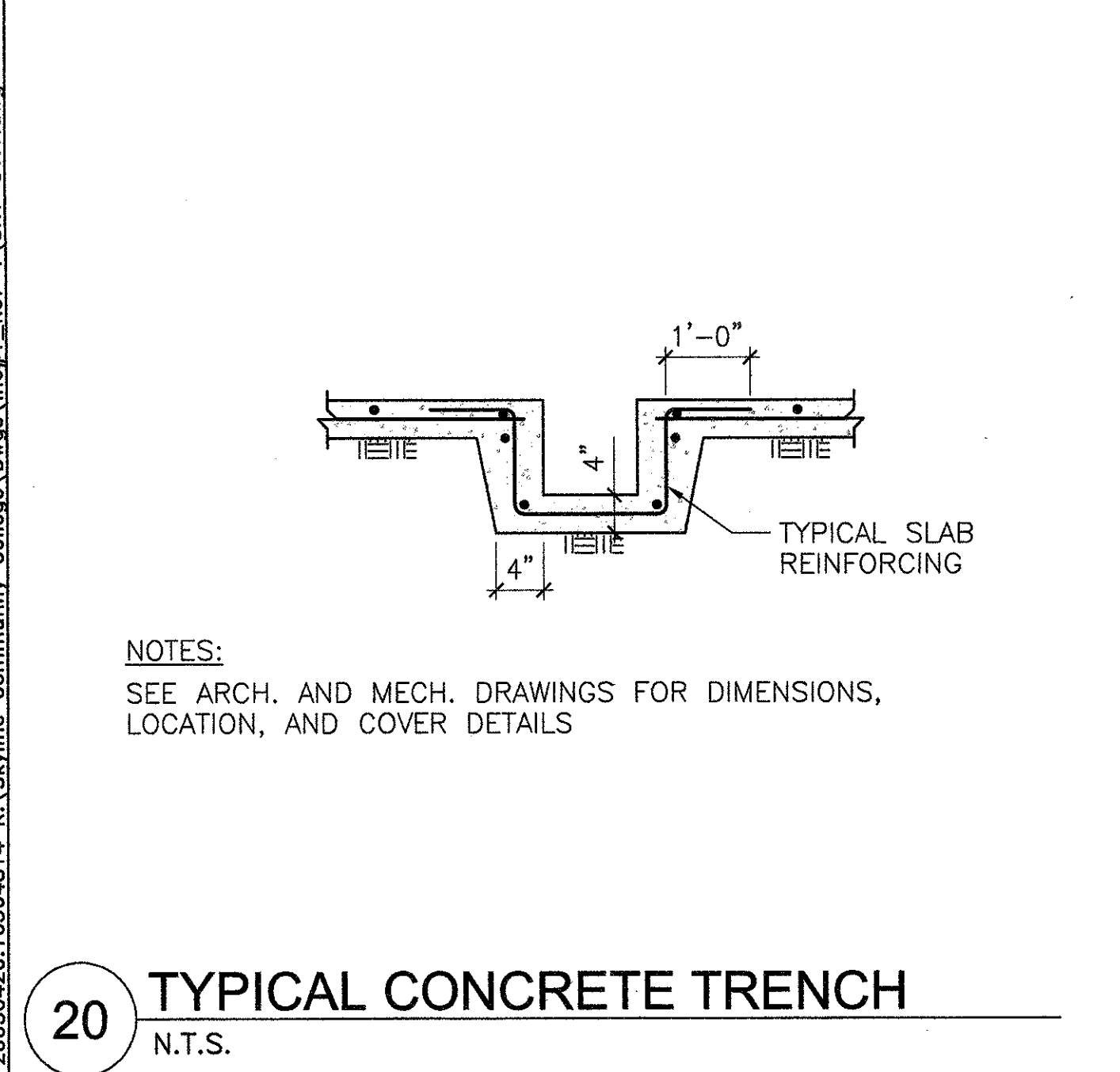
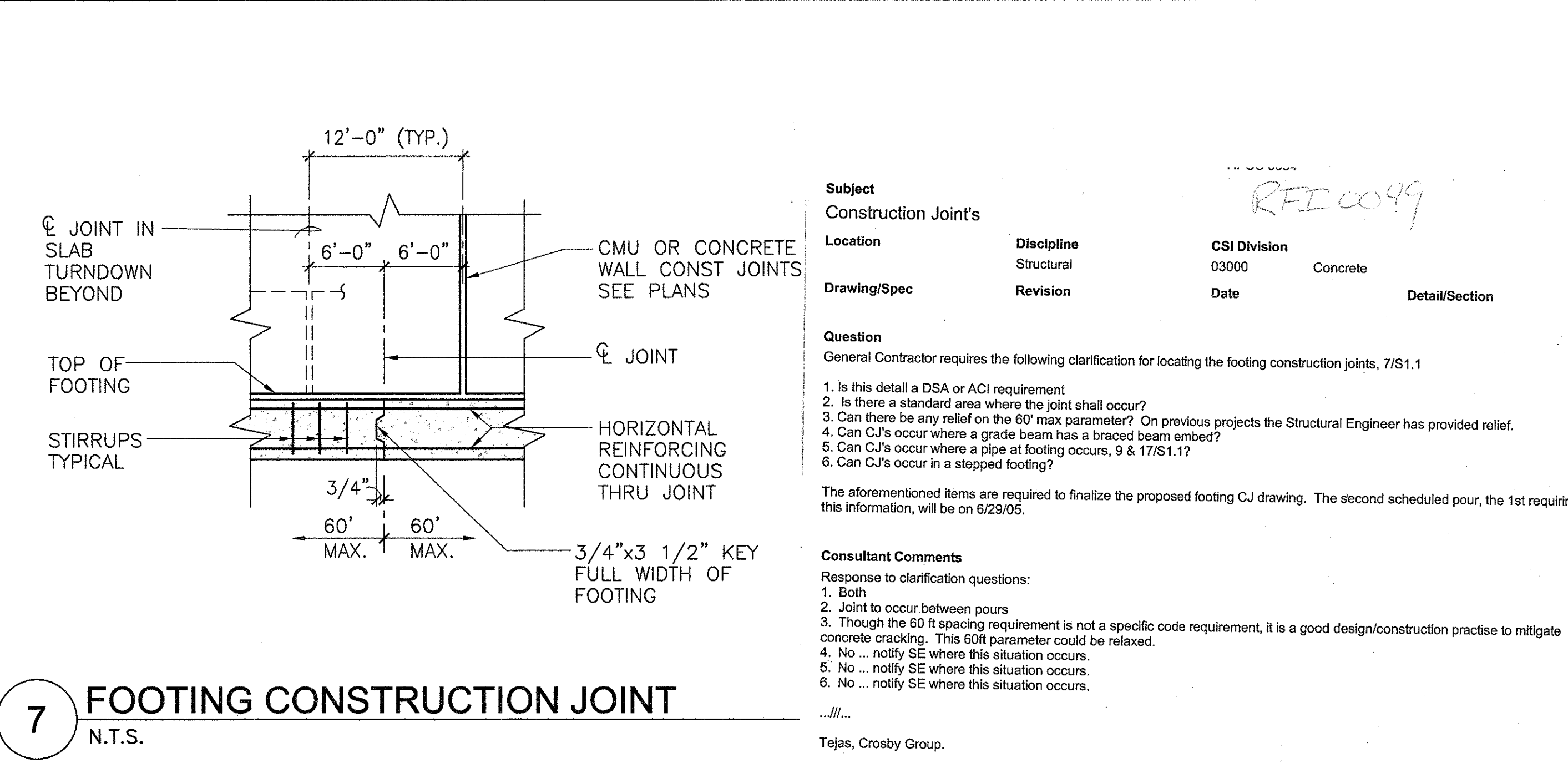
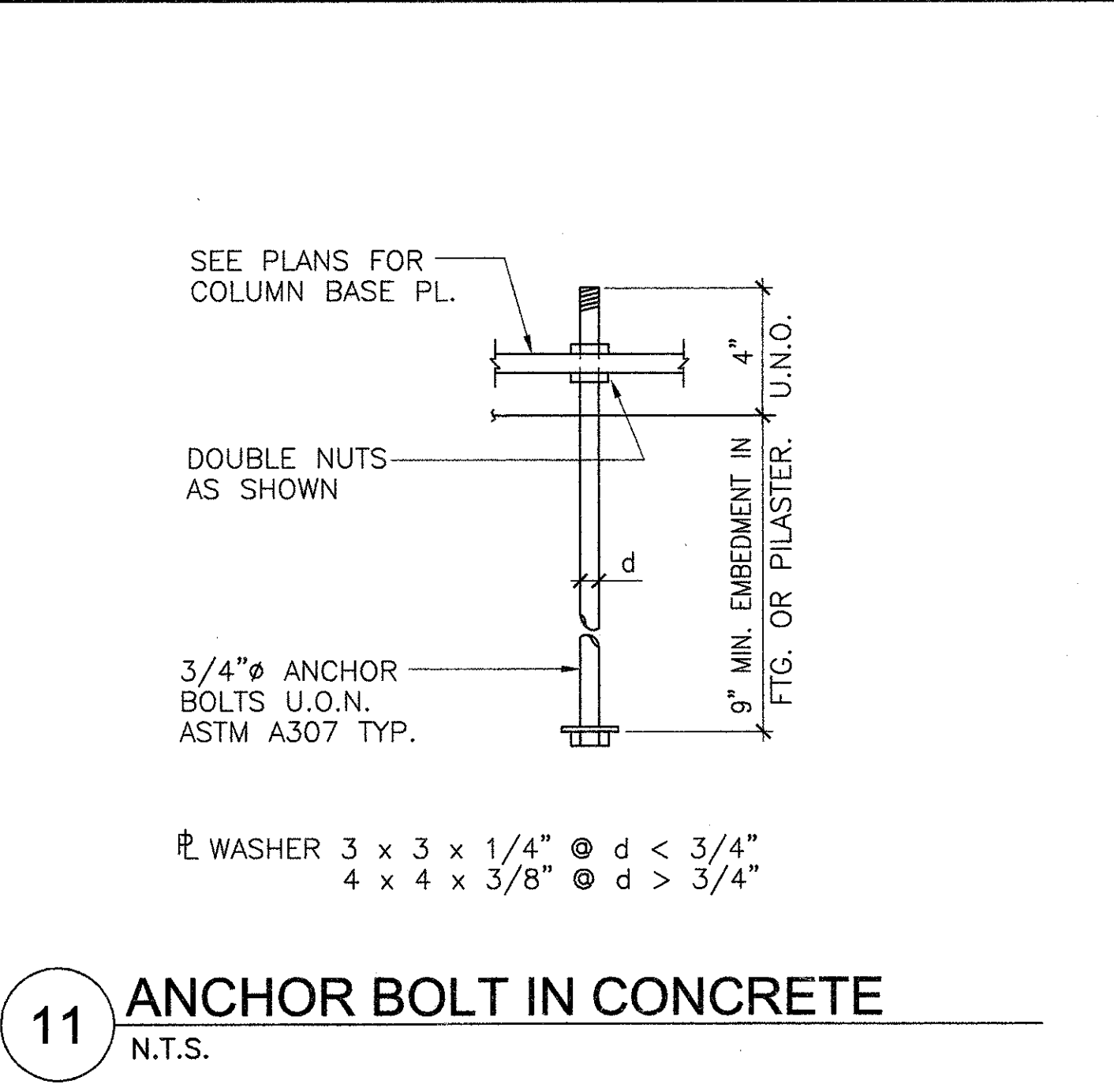
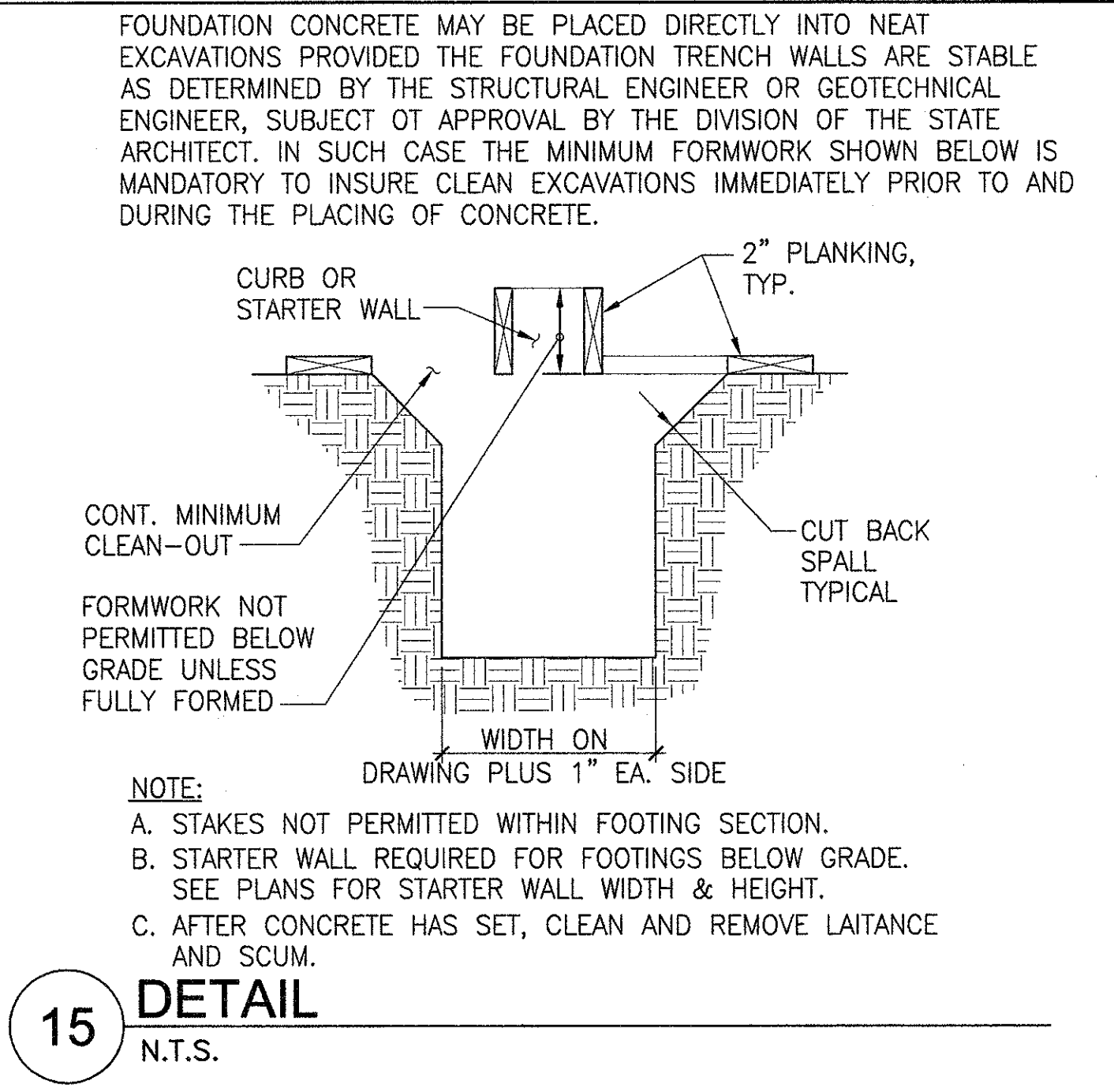
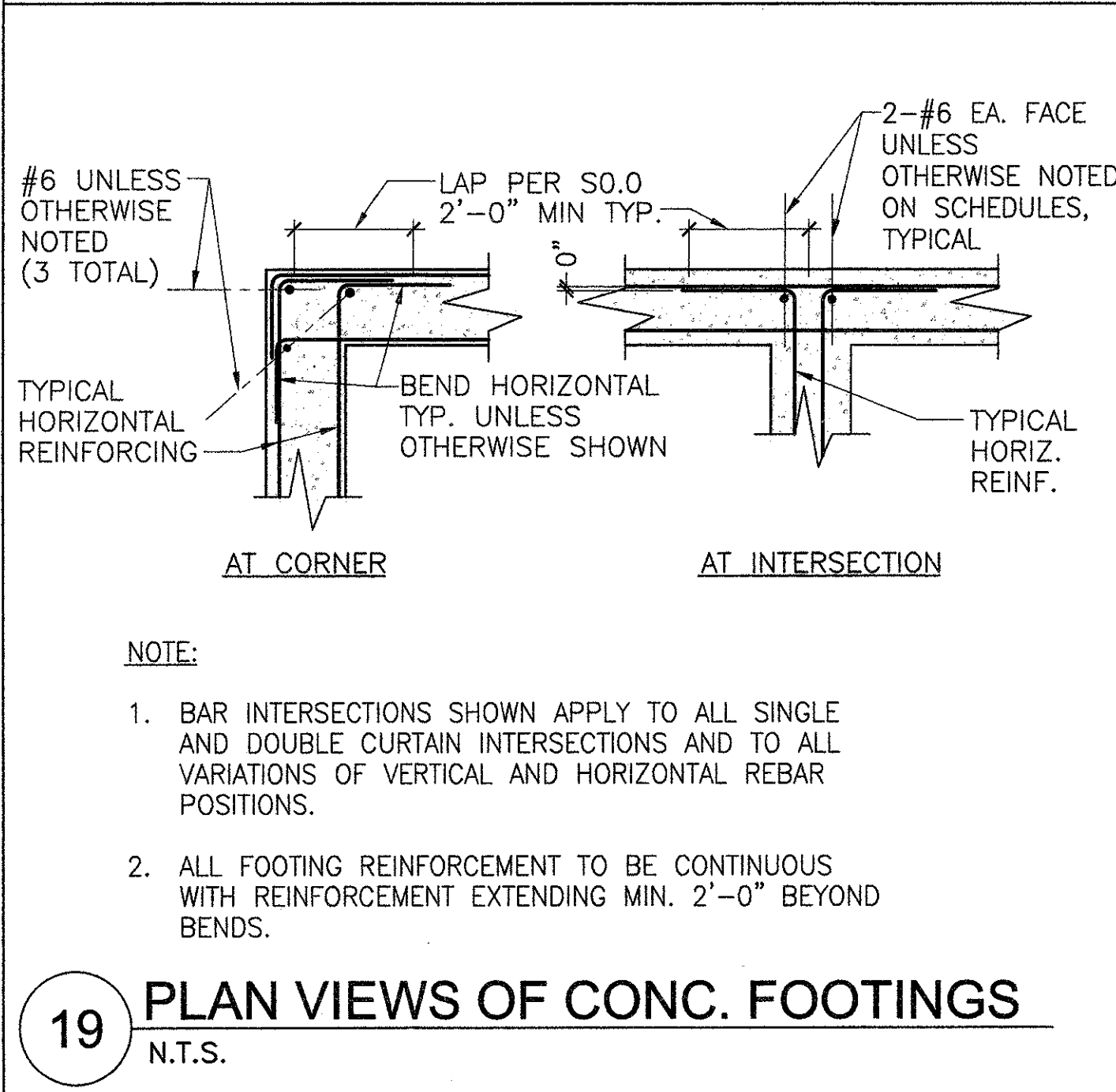
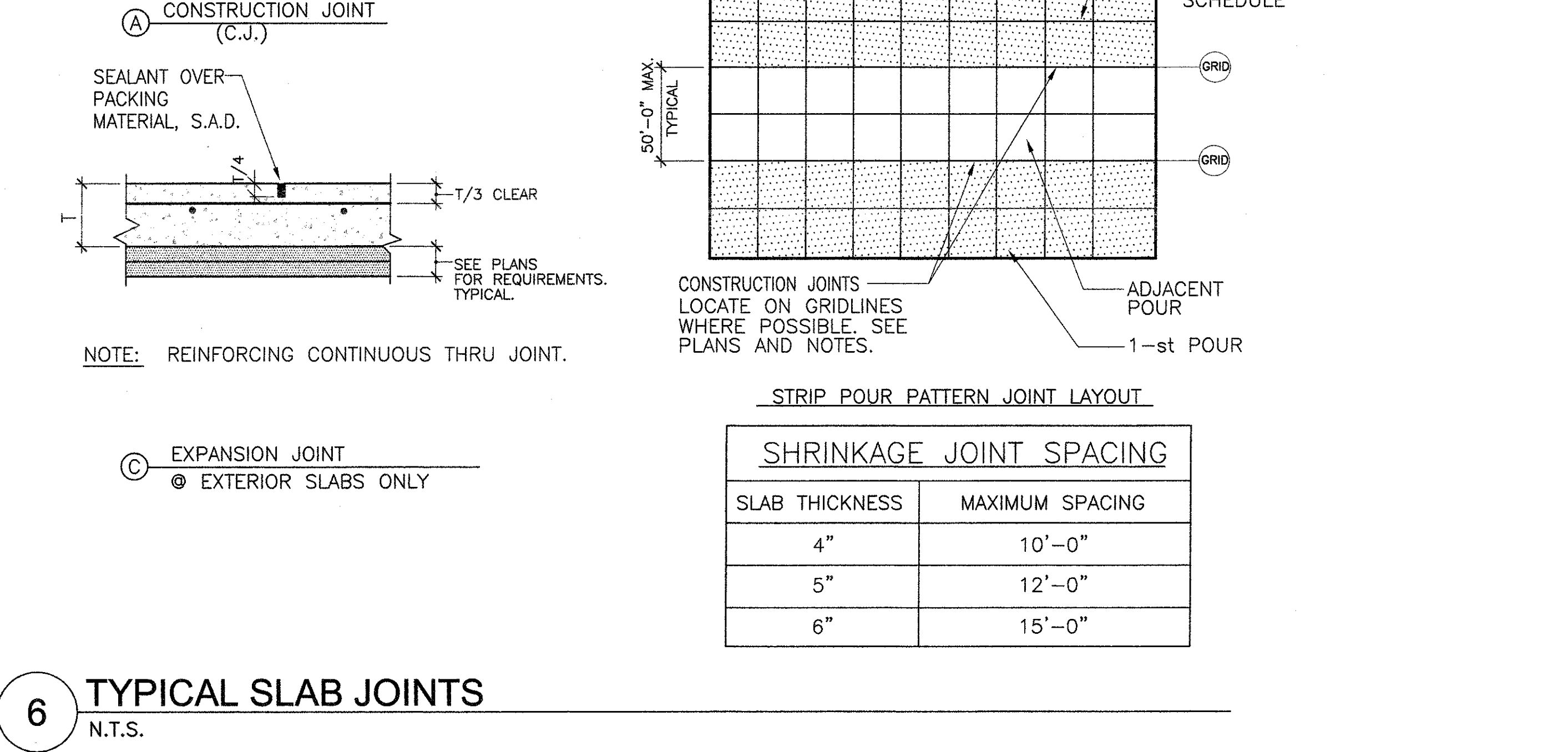
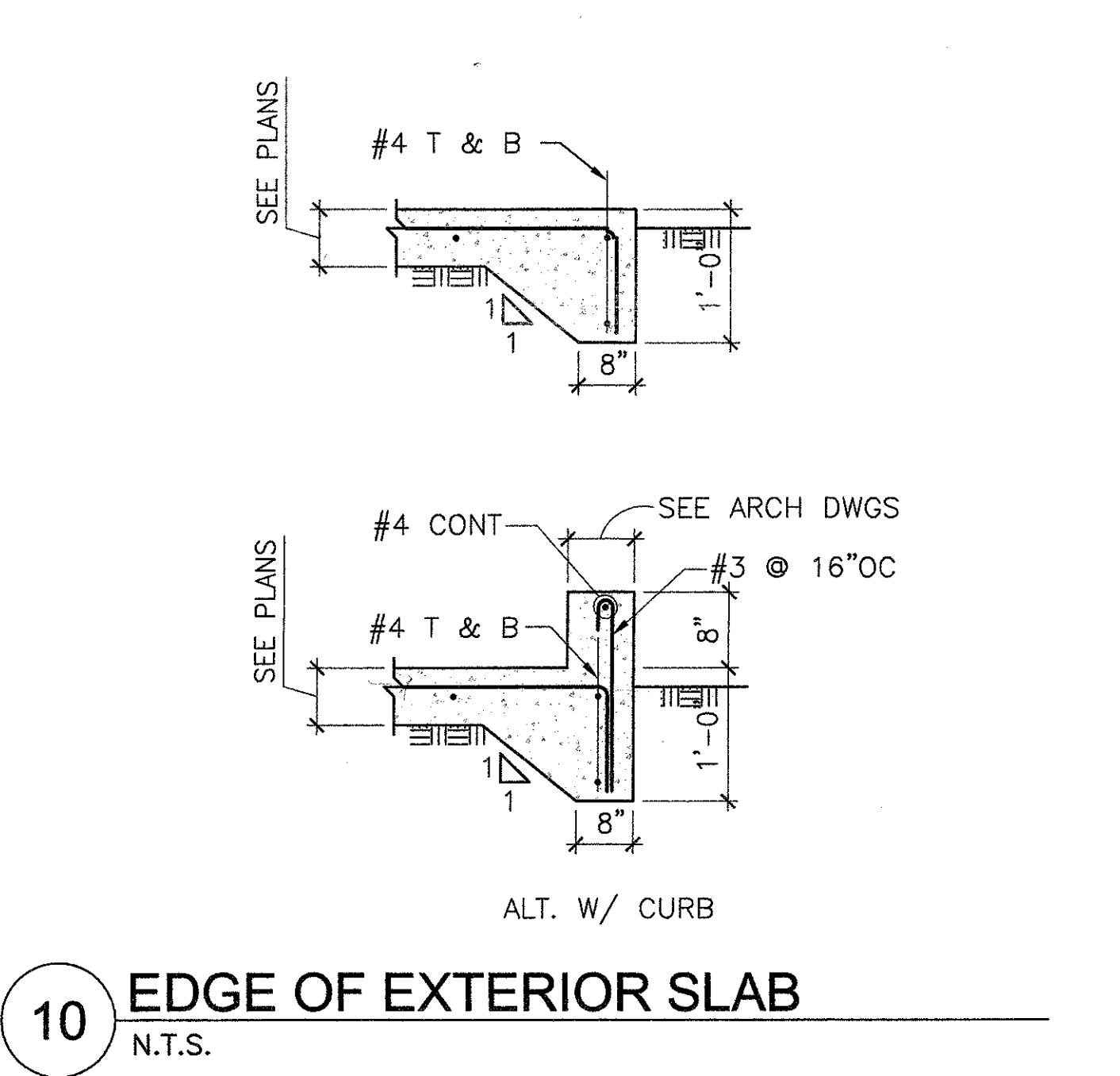
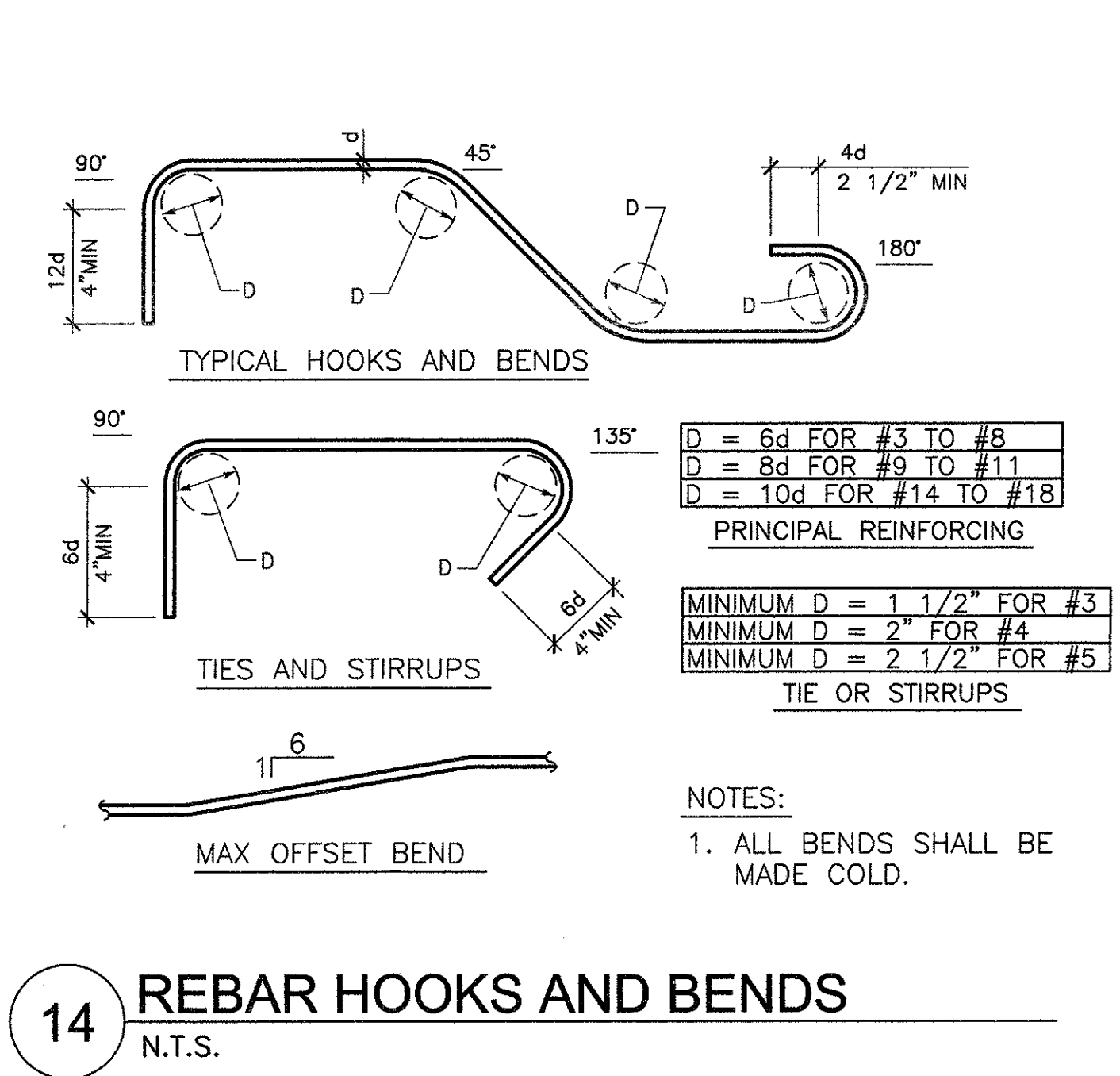
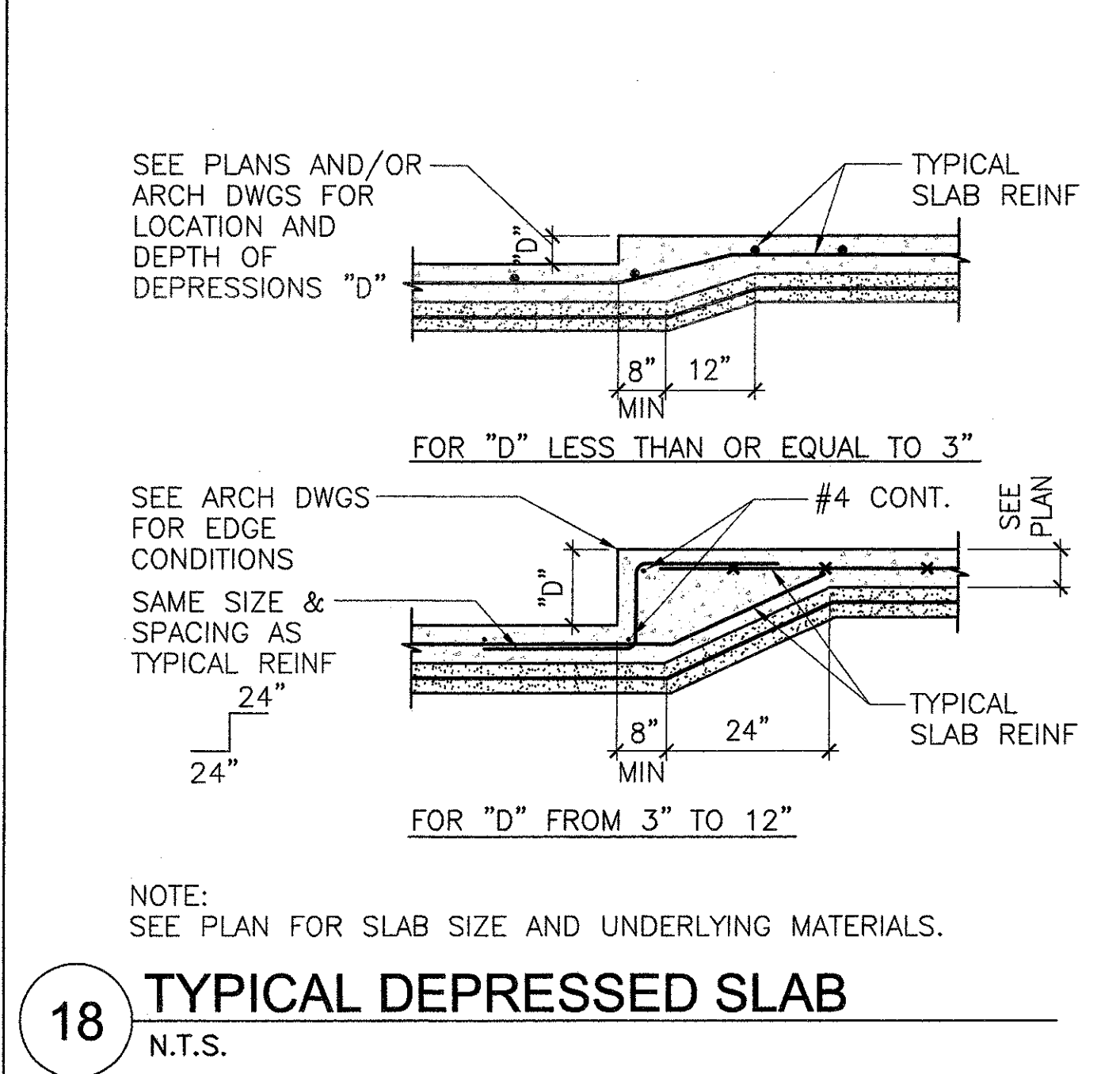
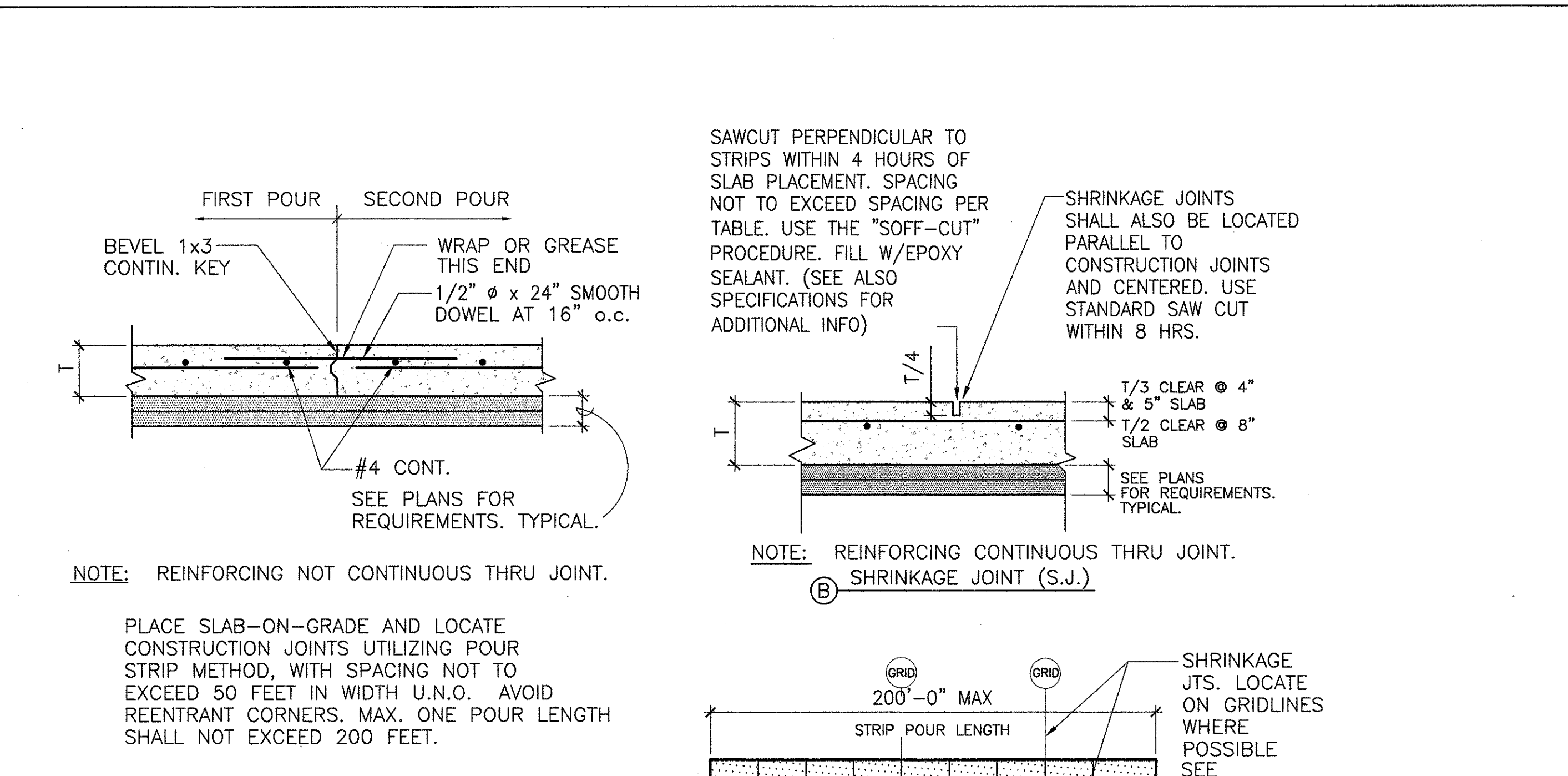
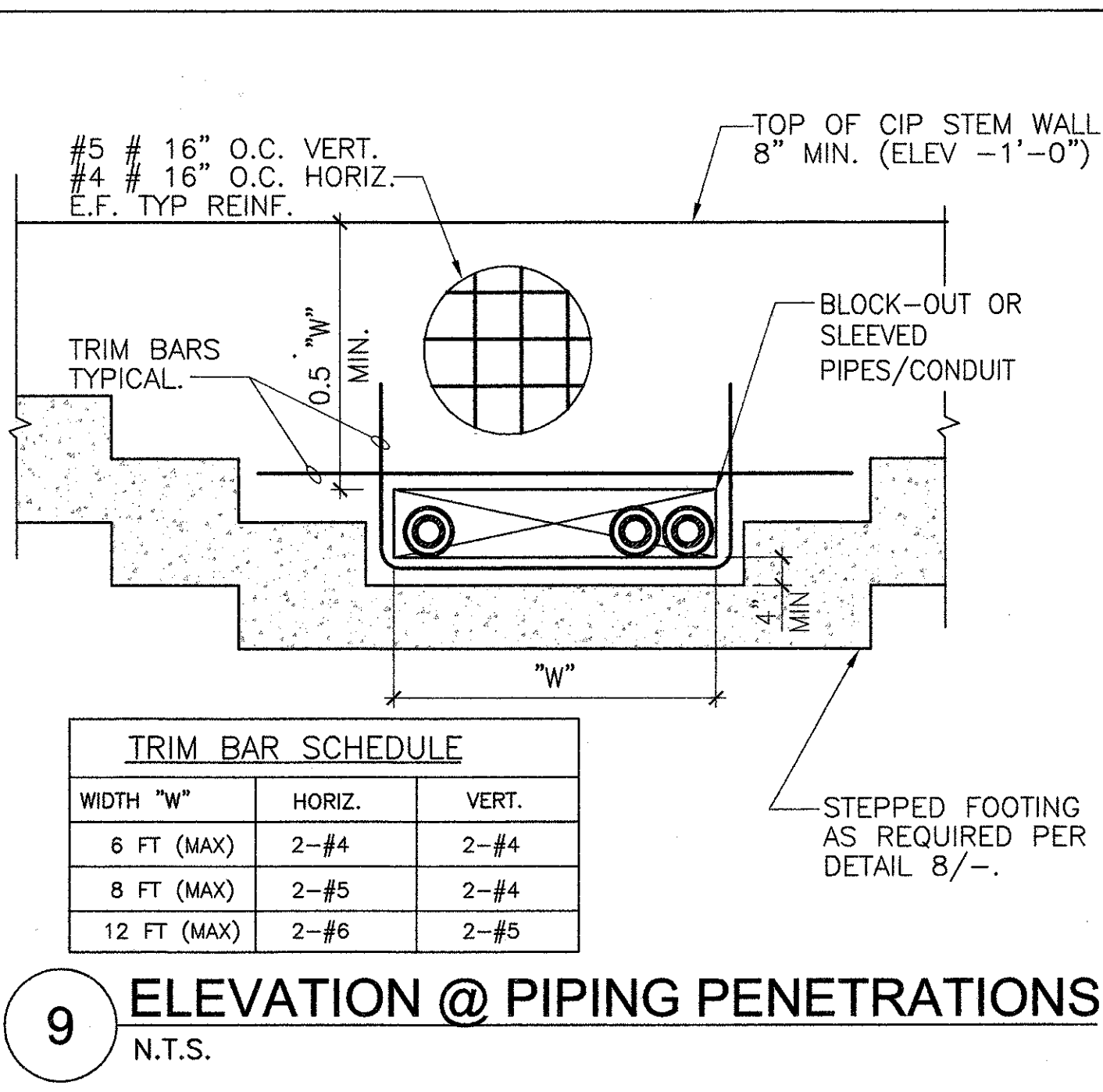
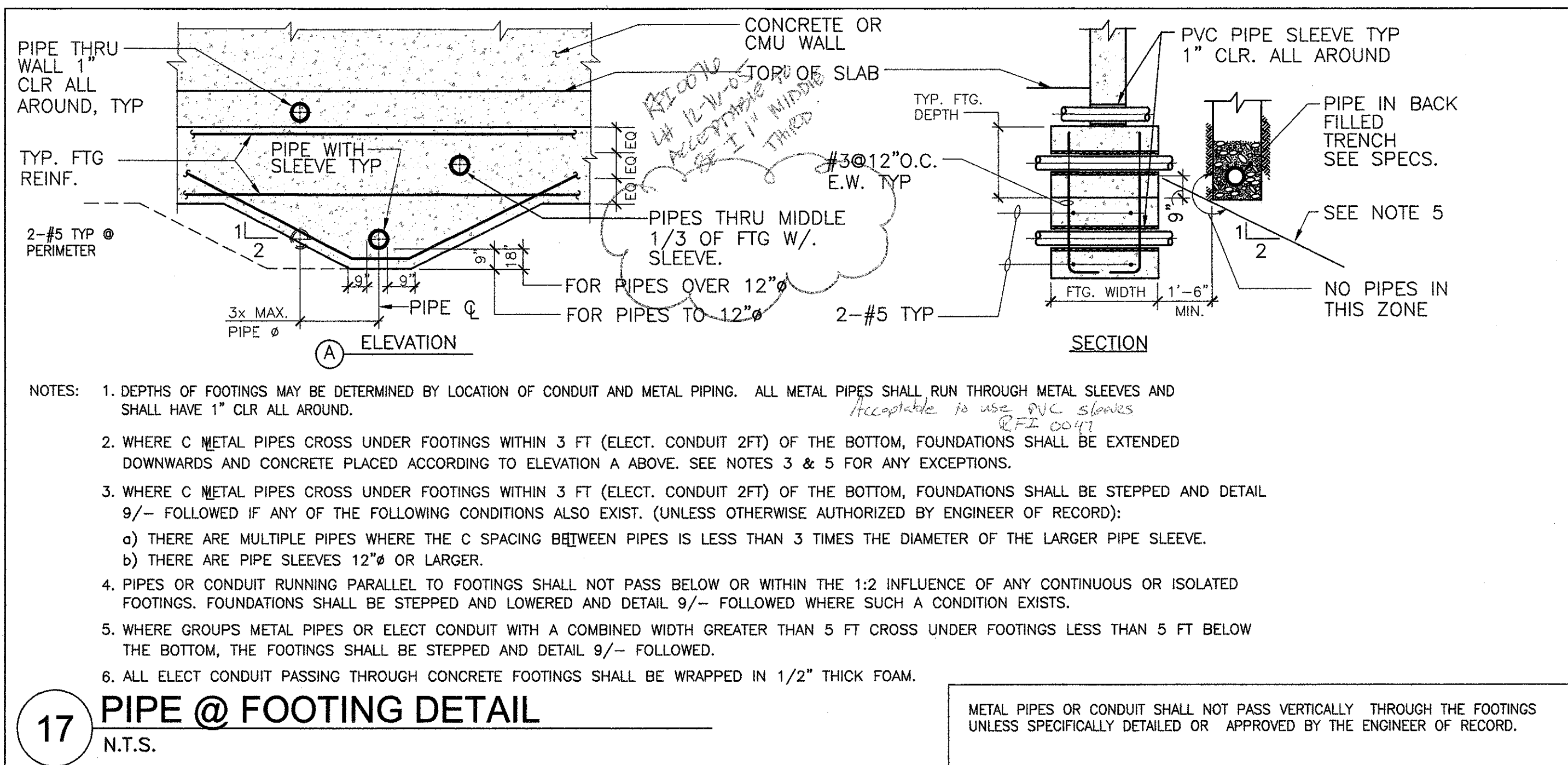
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- MECHANICAL SHEETS: MA AND MB SERIES
- PLUMBING SHEETS: PA AND PB SERIES
- ELECTRICAL SHEETS: EA, EB AND EC SERIES
- LANDSCAPE SHEETS: L SERIES
- STRUCTURAL SHEETS: S SERIES

4-18-05
Date
Sr. Vice President
C13447
License Number
12/31/05
Expiration Date



File # 91-C1
IDENTIFICATION STAMP
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DATE 04/21/2005

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925.721.0000

Structural Engineering
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San Jose, CA 95112
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408.285.5828

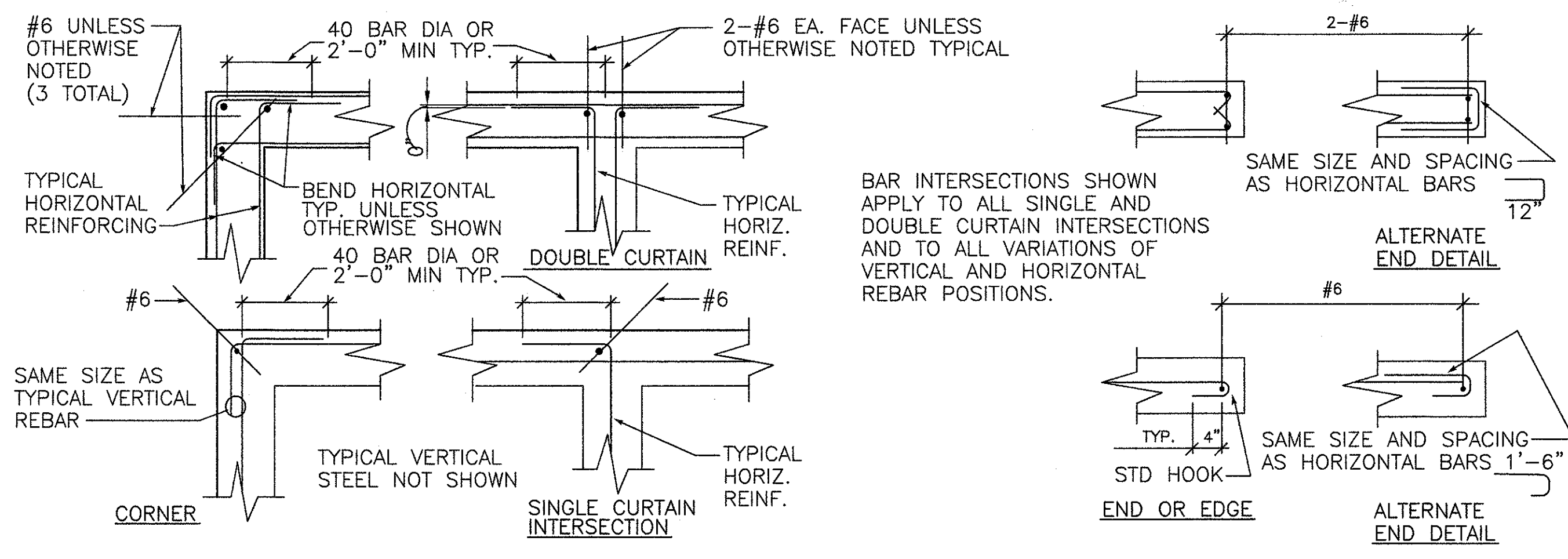
Crosby Group

Hensel Phelps Construction Co.

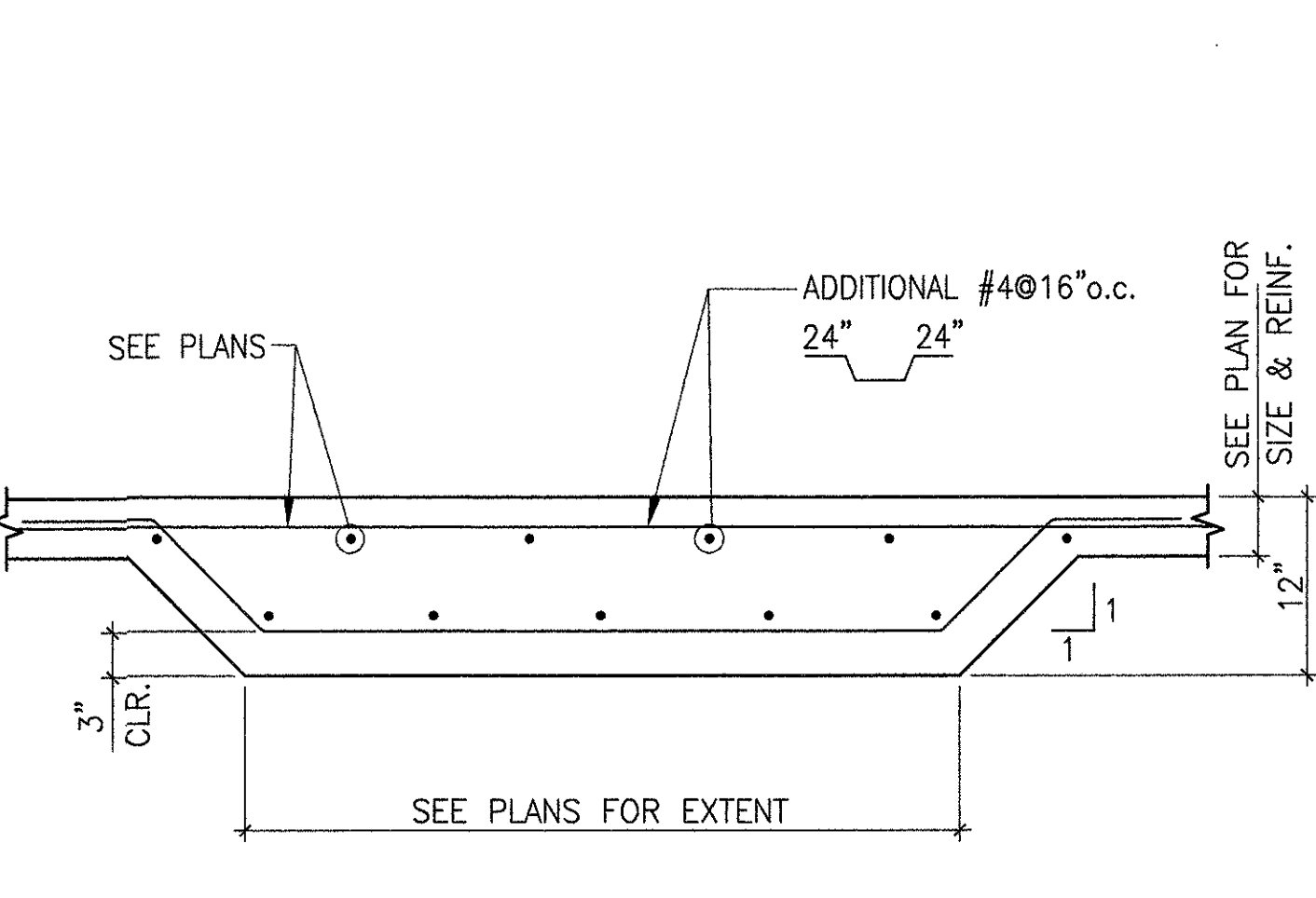
SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94086
INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

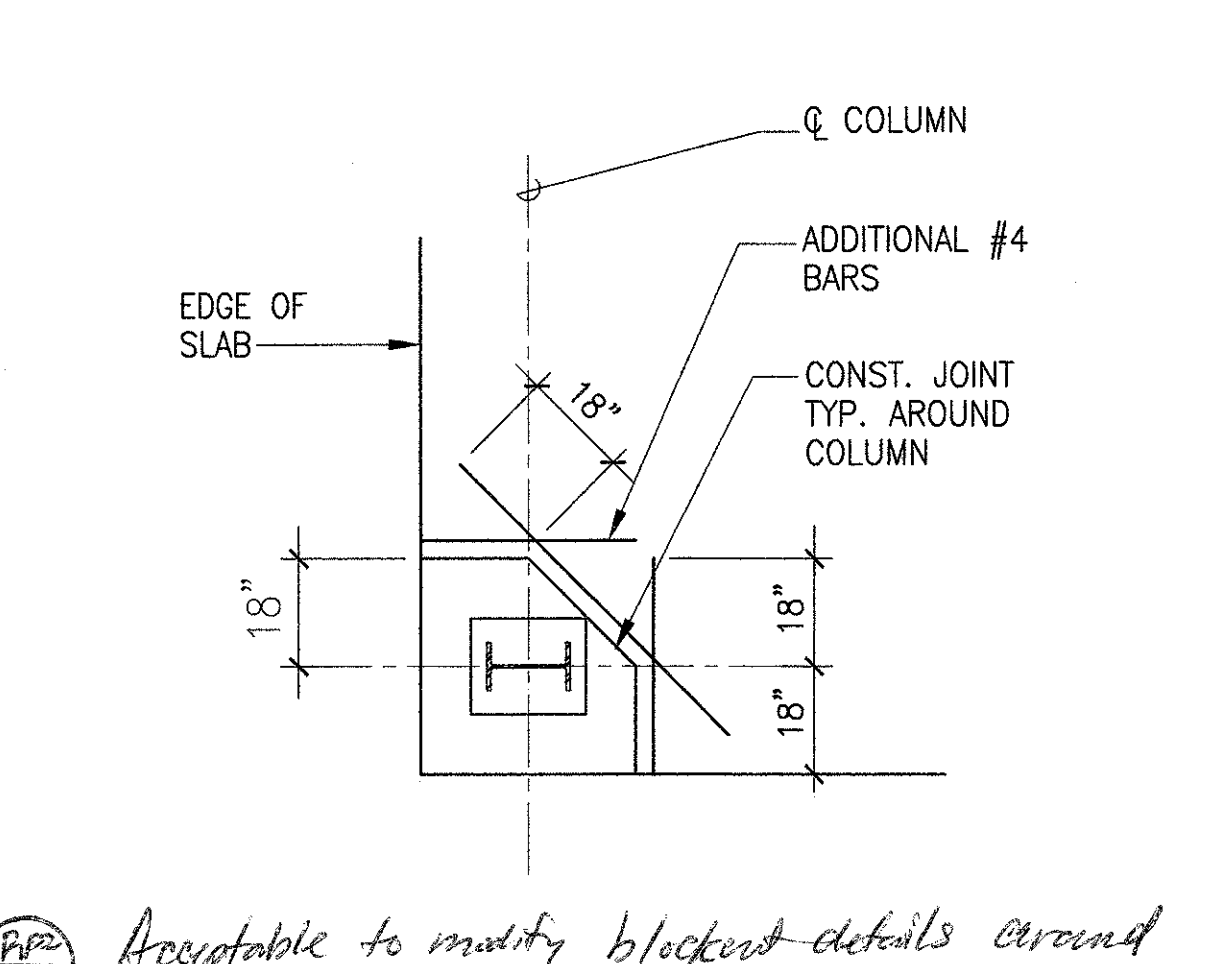
DRAWING TITLE: TYPICAL DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER: S1.1



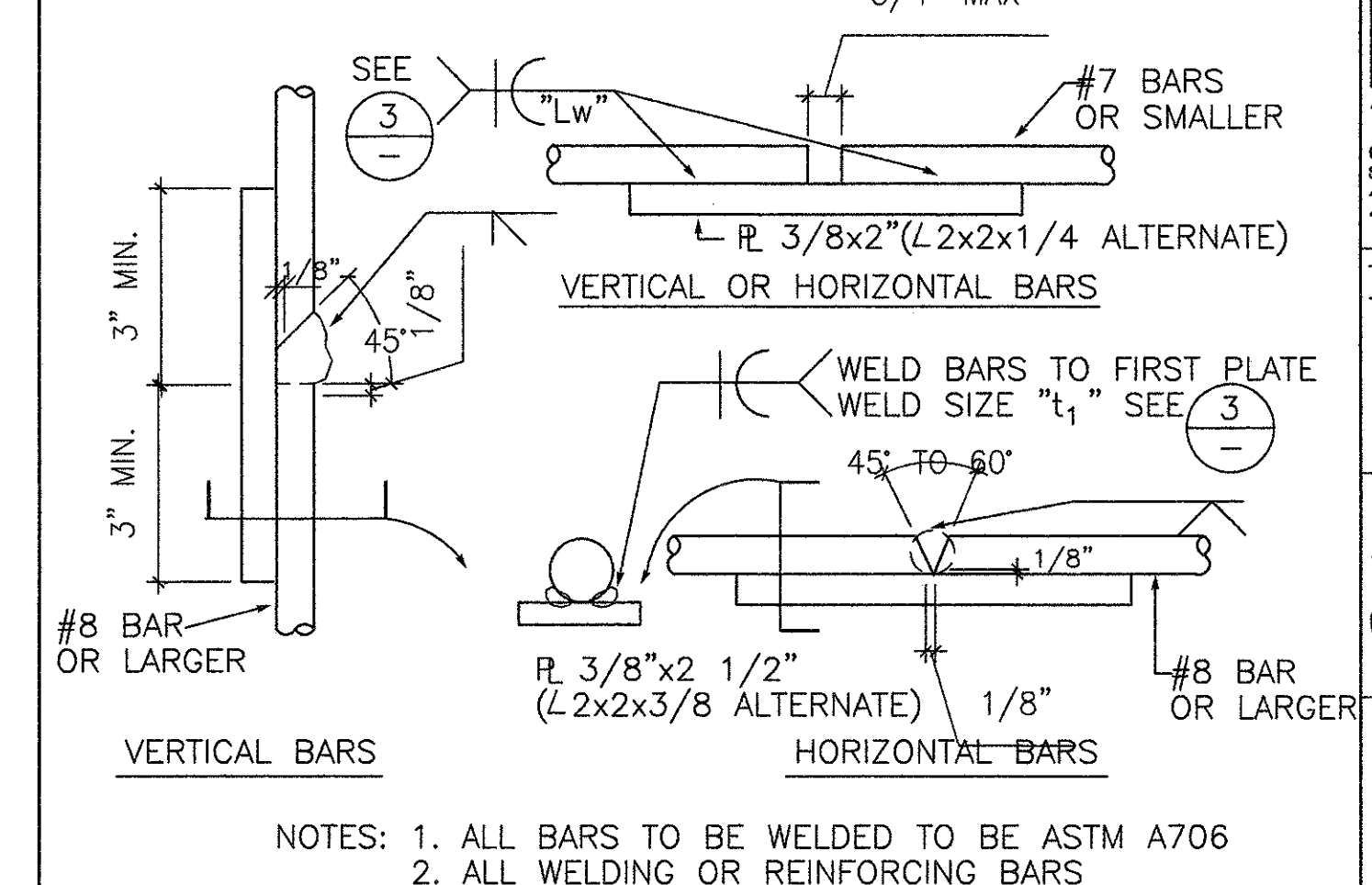
17 PLAN VIEW OF CONCRETE WALLS
N.T.S.



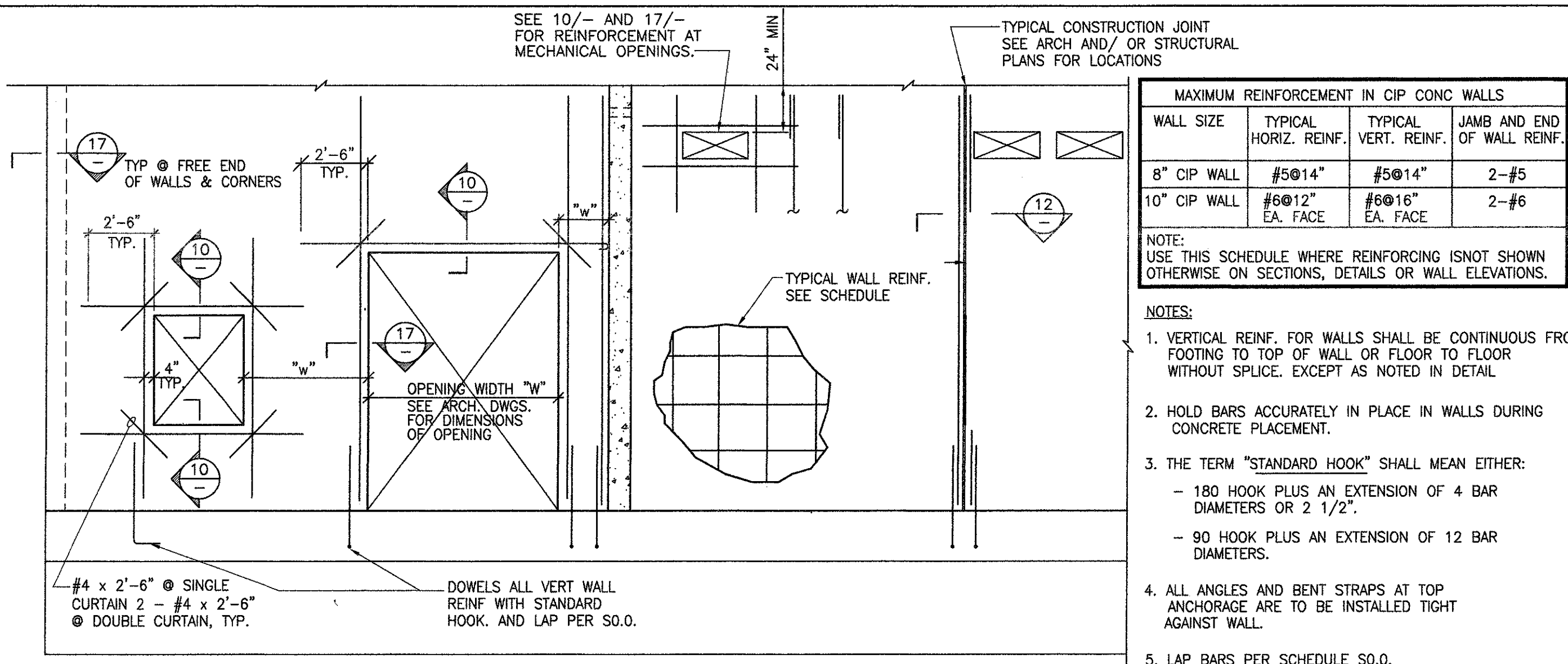
9 TYPICAL SECTION @ THICKENED SLAB
N.T.S.



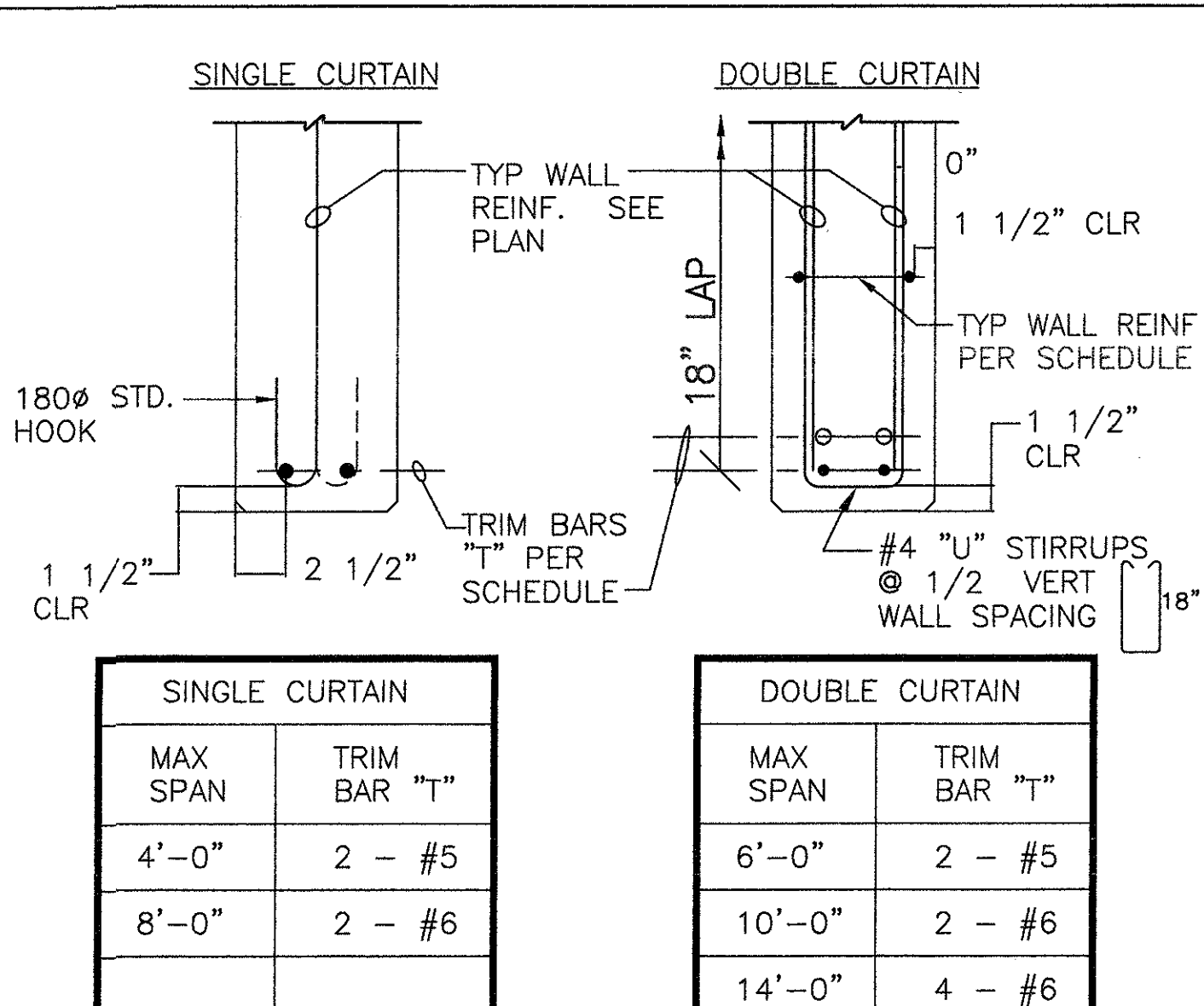
5 COLUMN BLOCKOUT DETAIL
N.T.S.



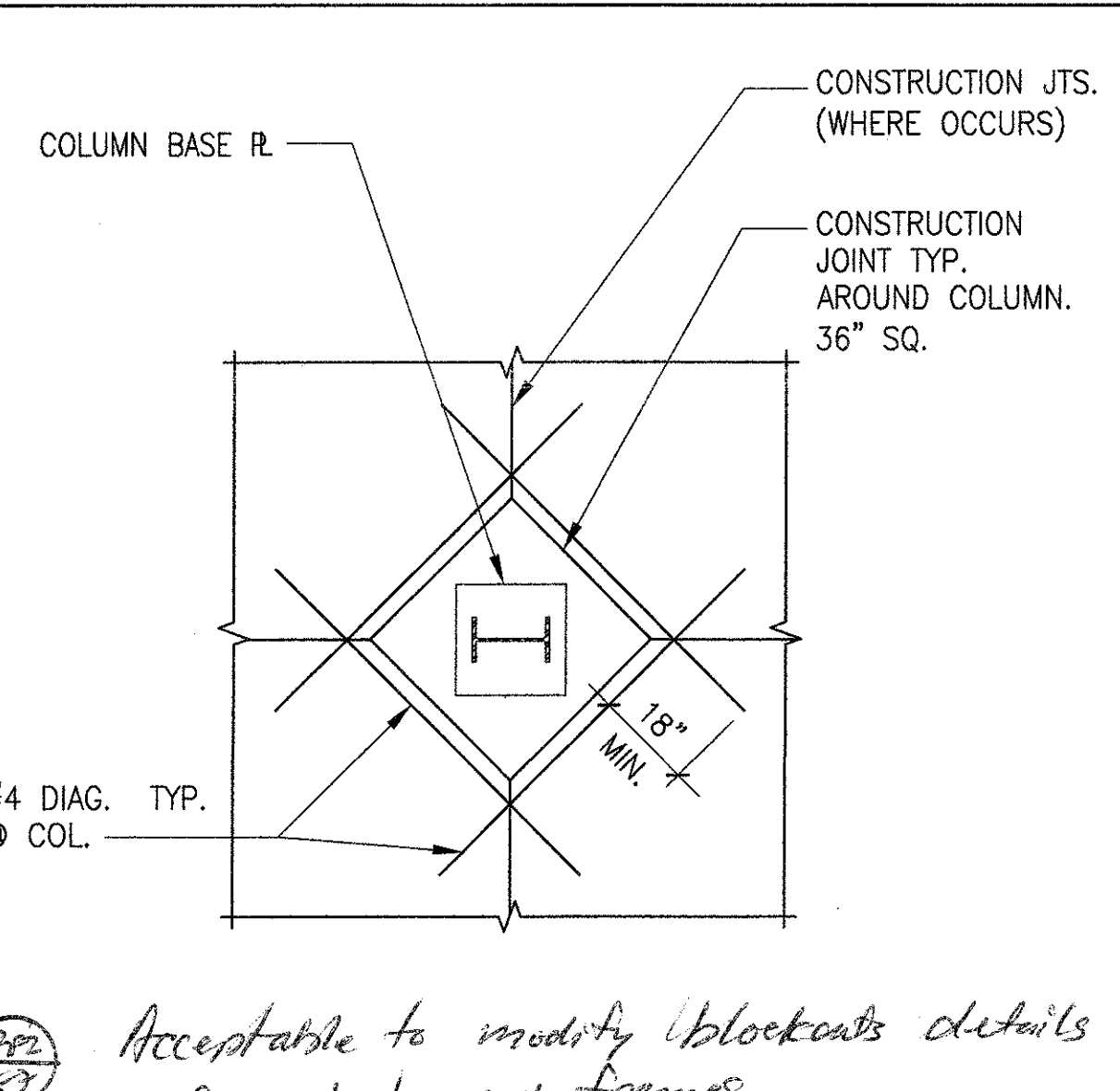
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NOT TO SCALE



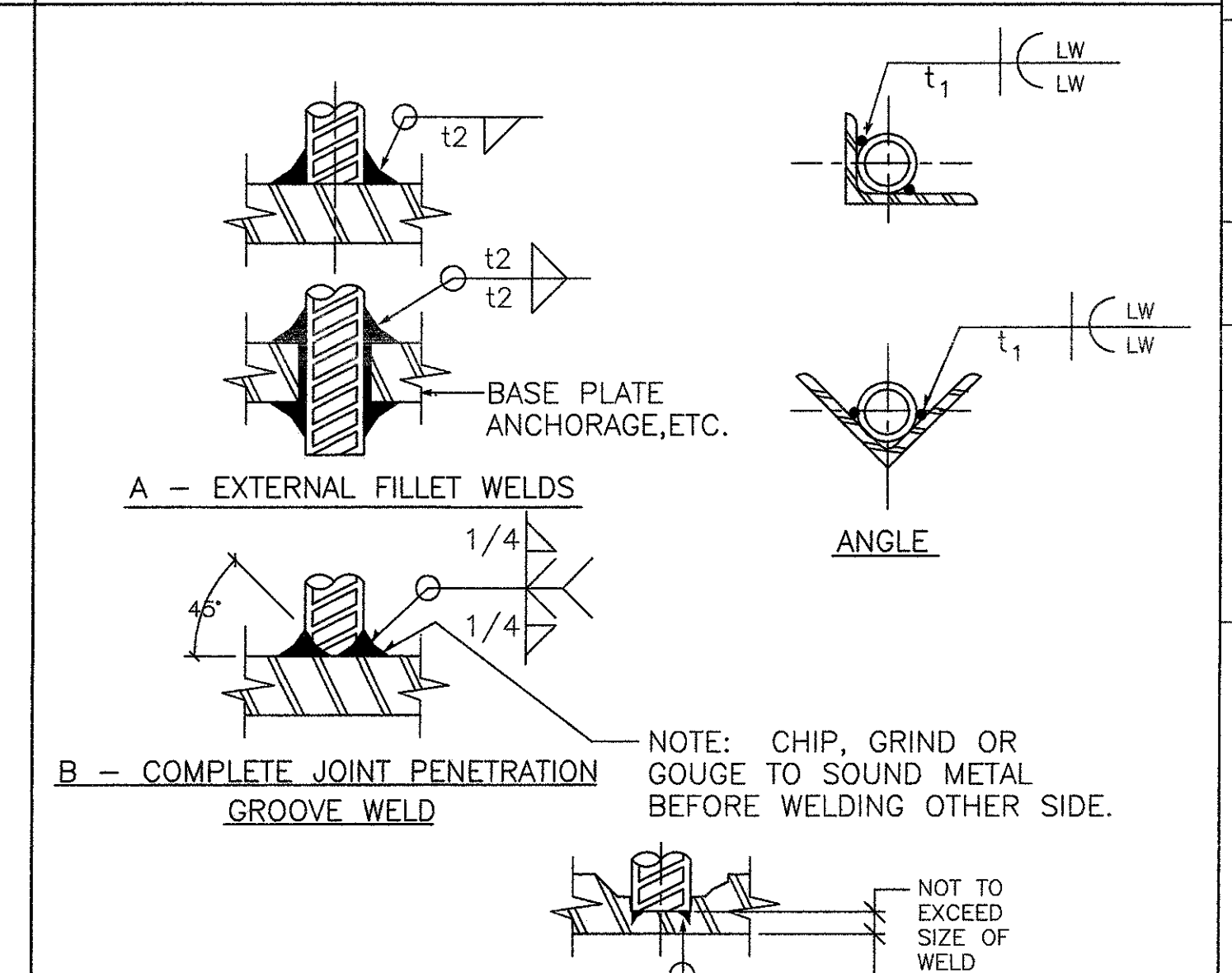
18 ELEVATION @ CIP CONC WALLS
N.T.S.



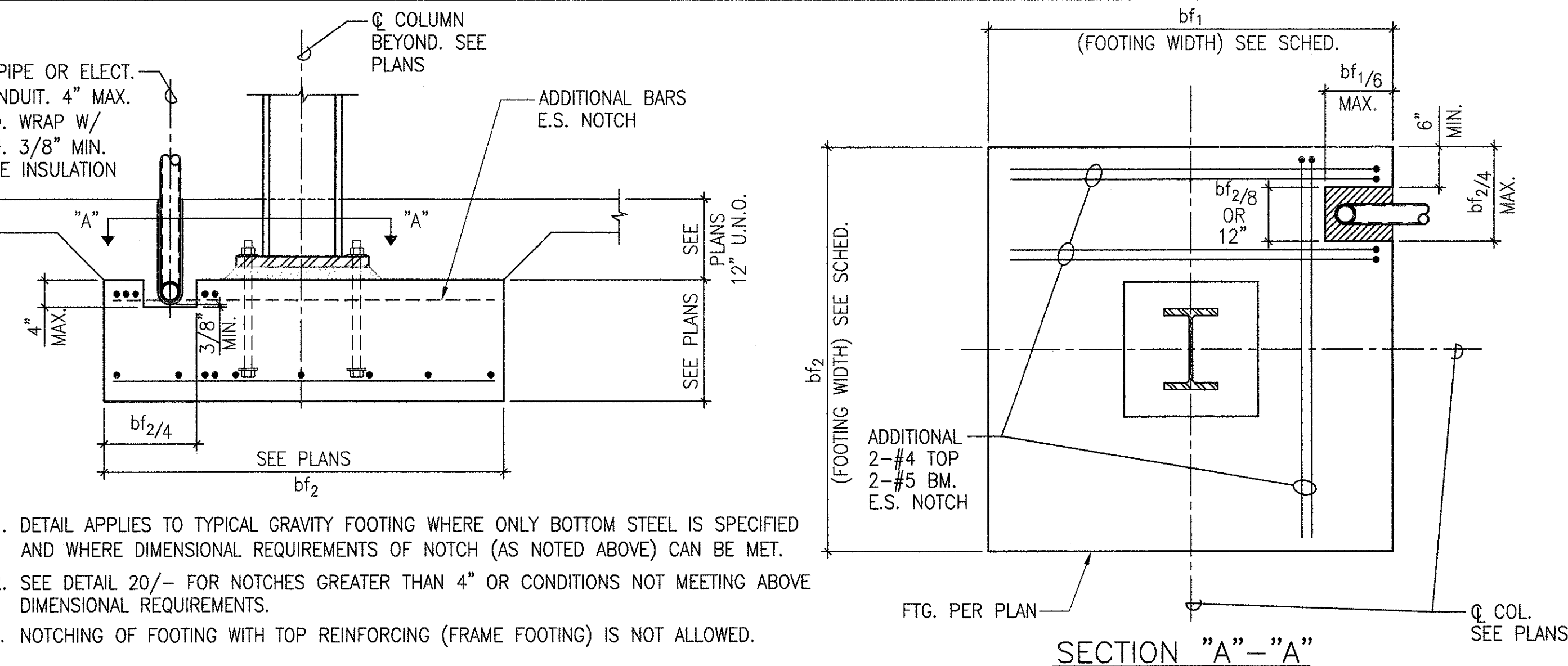
10 REINF. @ LINTEL OPENINGS
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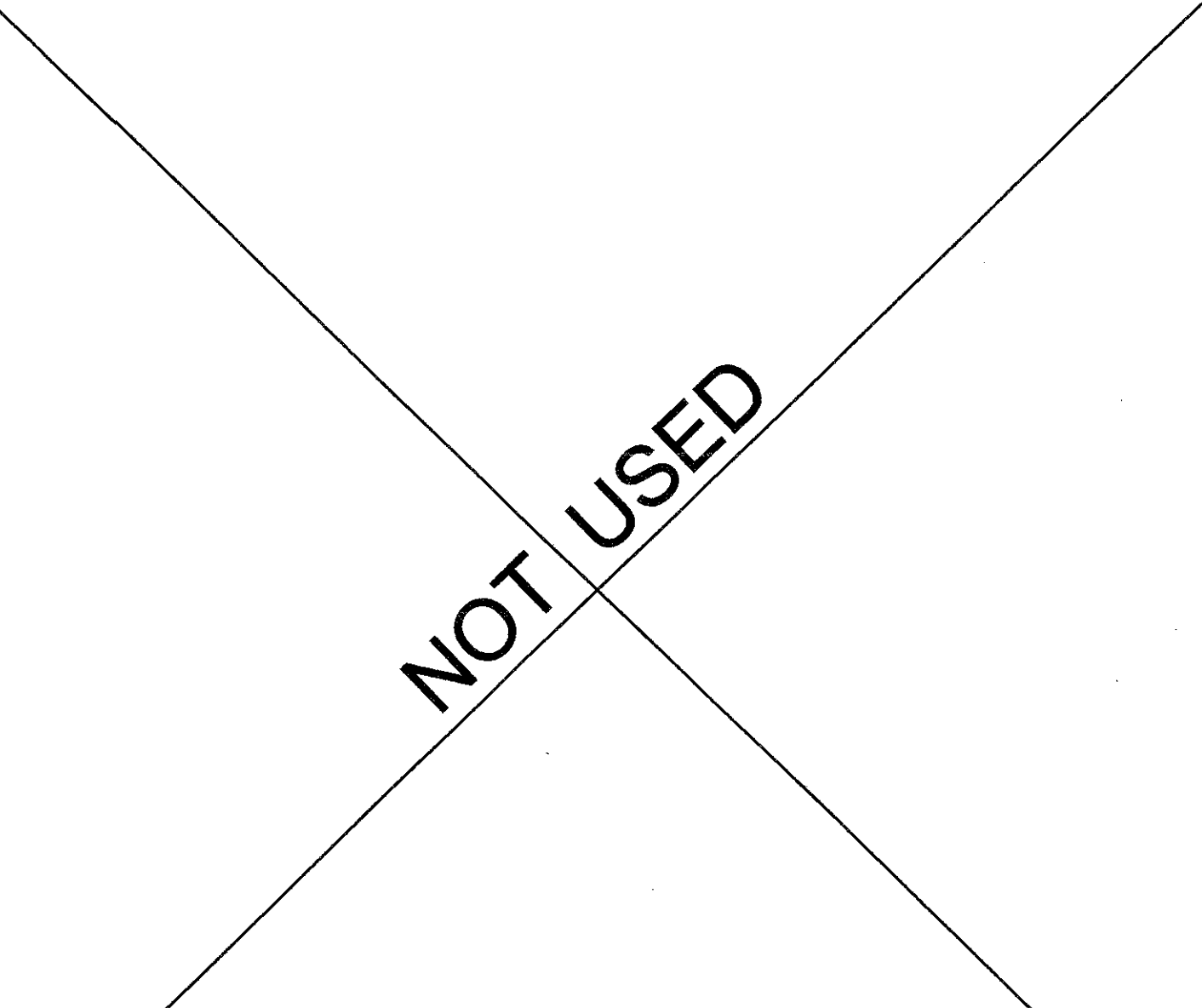
6 COLUMN BLOCKOUT DETAIL
N.T.S.



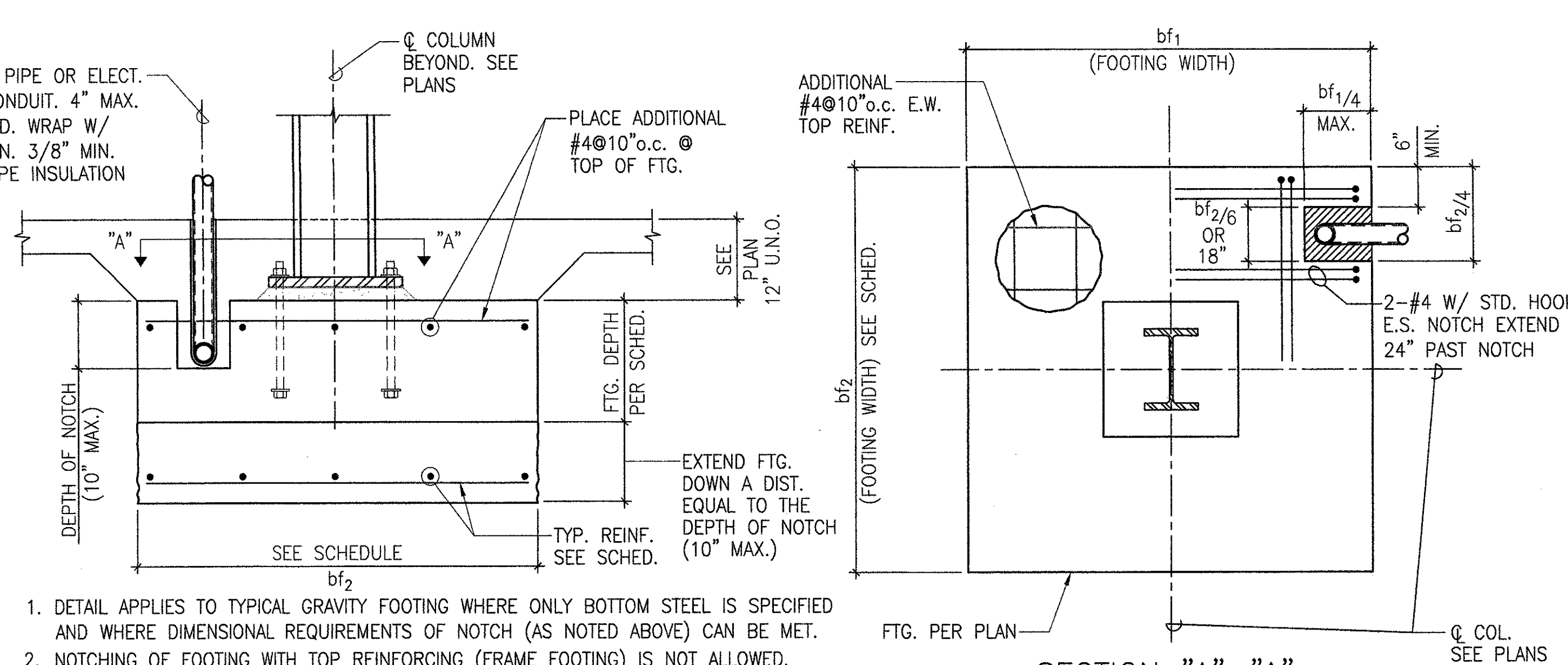
3 REINFORCING BARS & BOLTS WELDS TO PLATES OR STEEL SHAPES
NOT TO SCALE



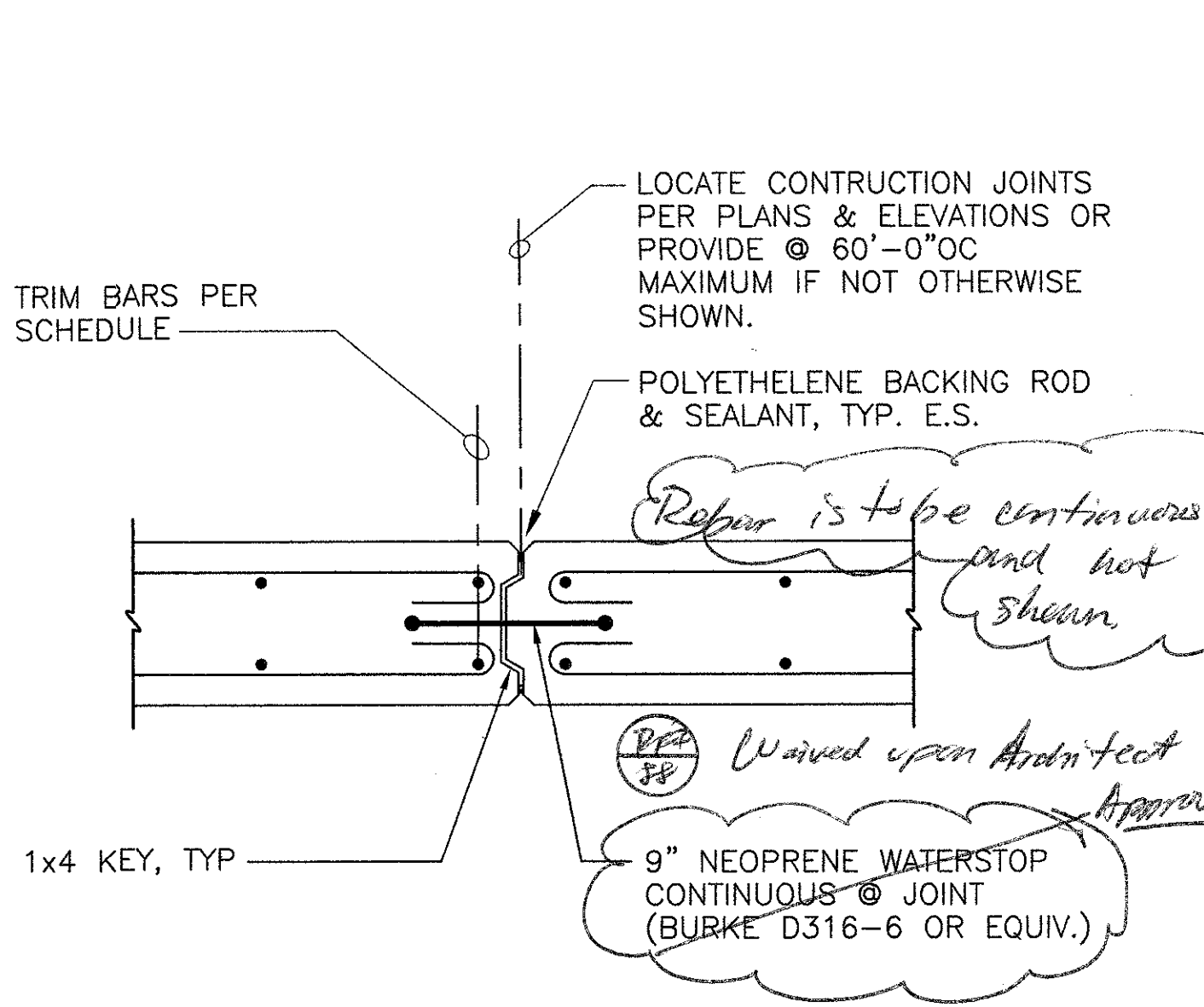
19 TYPICAL SECTION @ FTG. NOTCH
N.T.S.



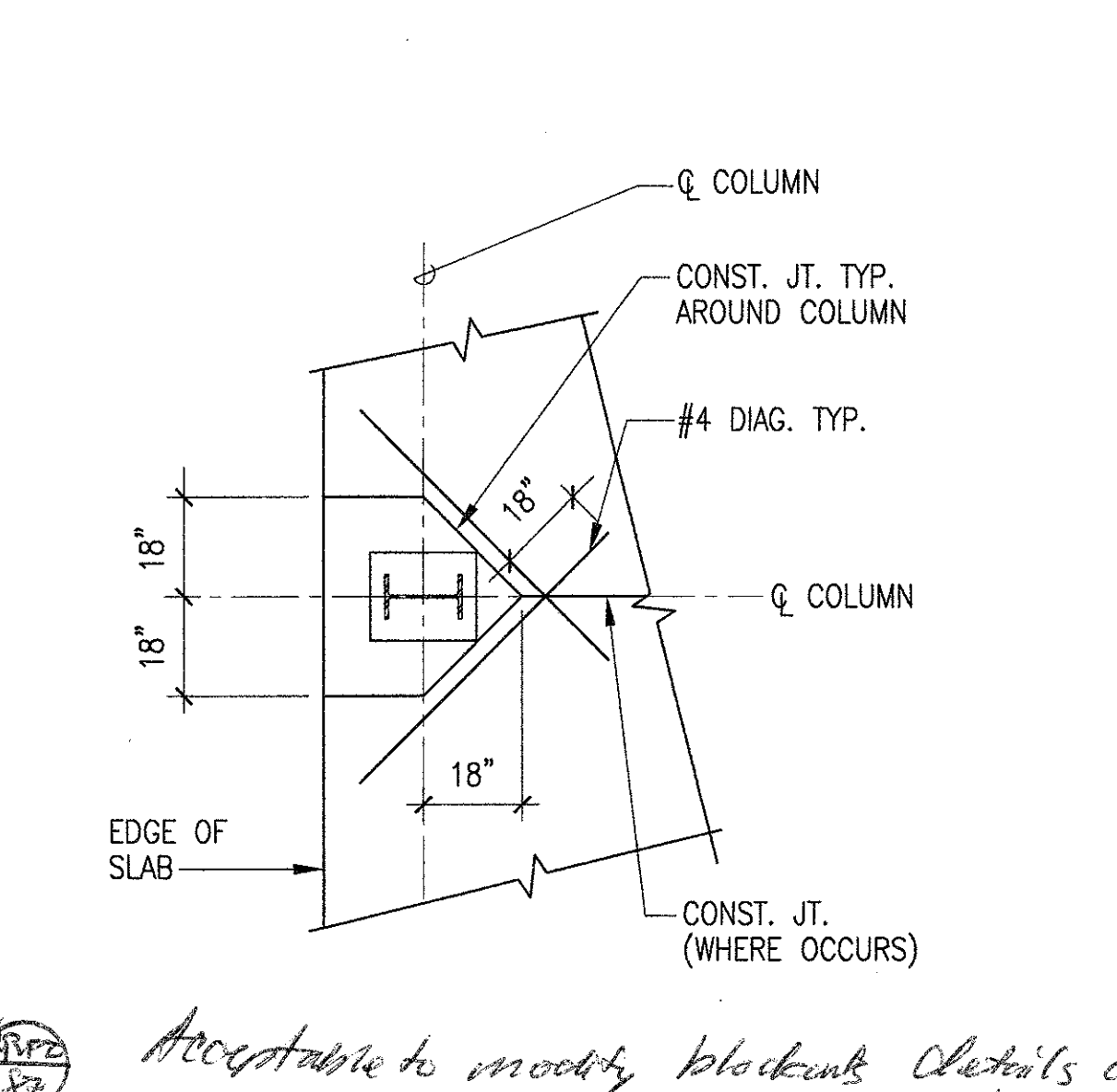
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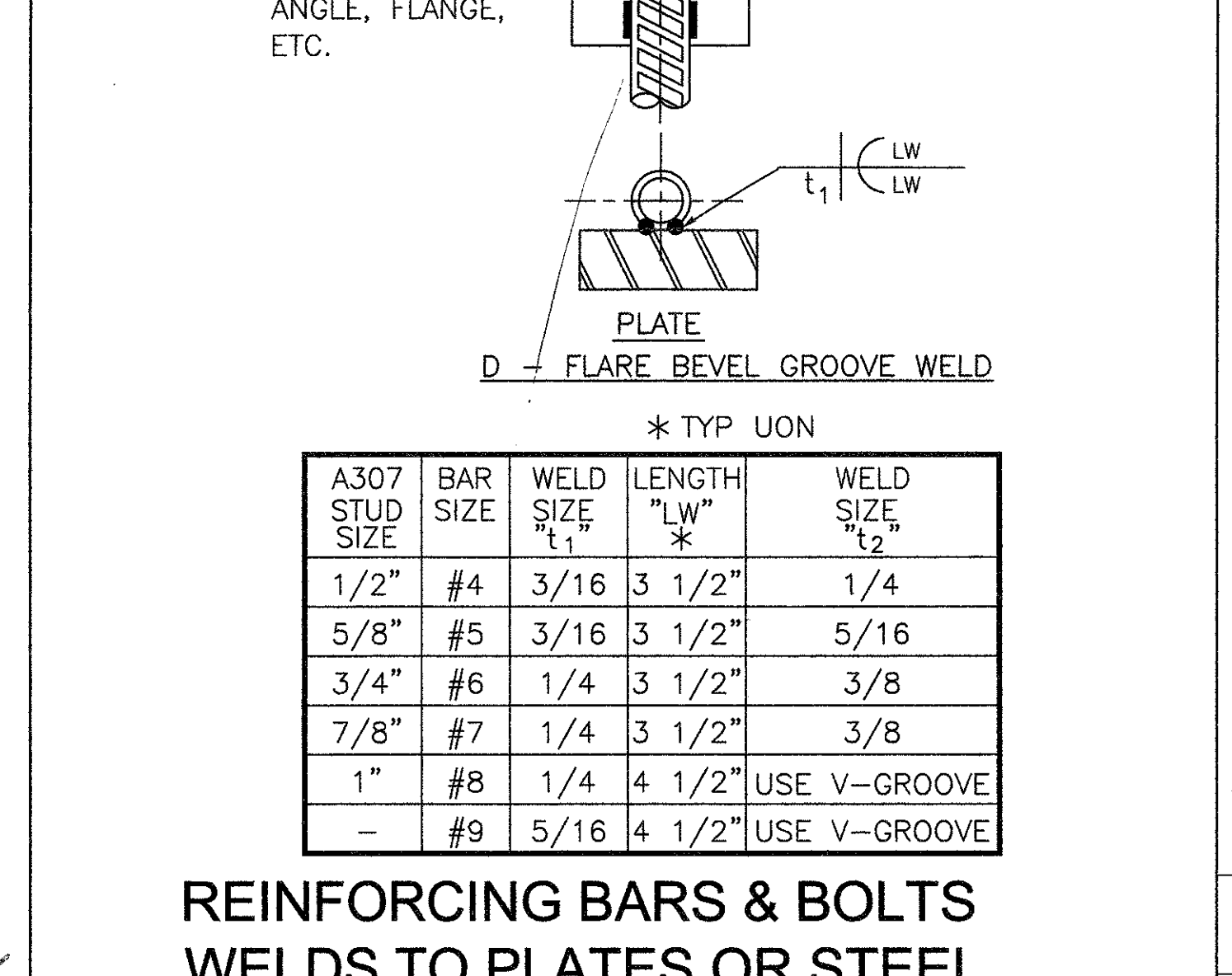
20 TYPICAL SECTION @ FTG. NOTCH
N.T.S.



12 CONC. WALL CONST. JOINT
N.T.S.



7 COLUMN BLOCKOUT DETAIL
N.T.S.



4 BOLLARD DETAIL
SCALE: 1"=1'-0"

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STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
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INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE
TYPICAL DETAILS

DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER

REVIEW SET

S1.2

20050420.0228383 K3 Skyline Community College.Dwg1.dwg Rev: 11/20/04

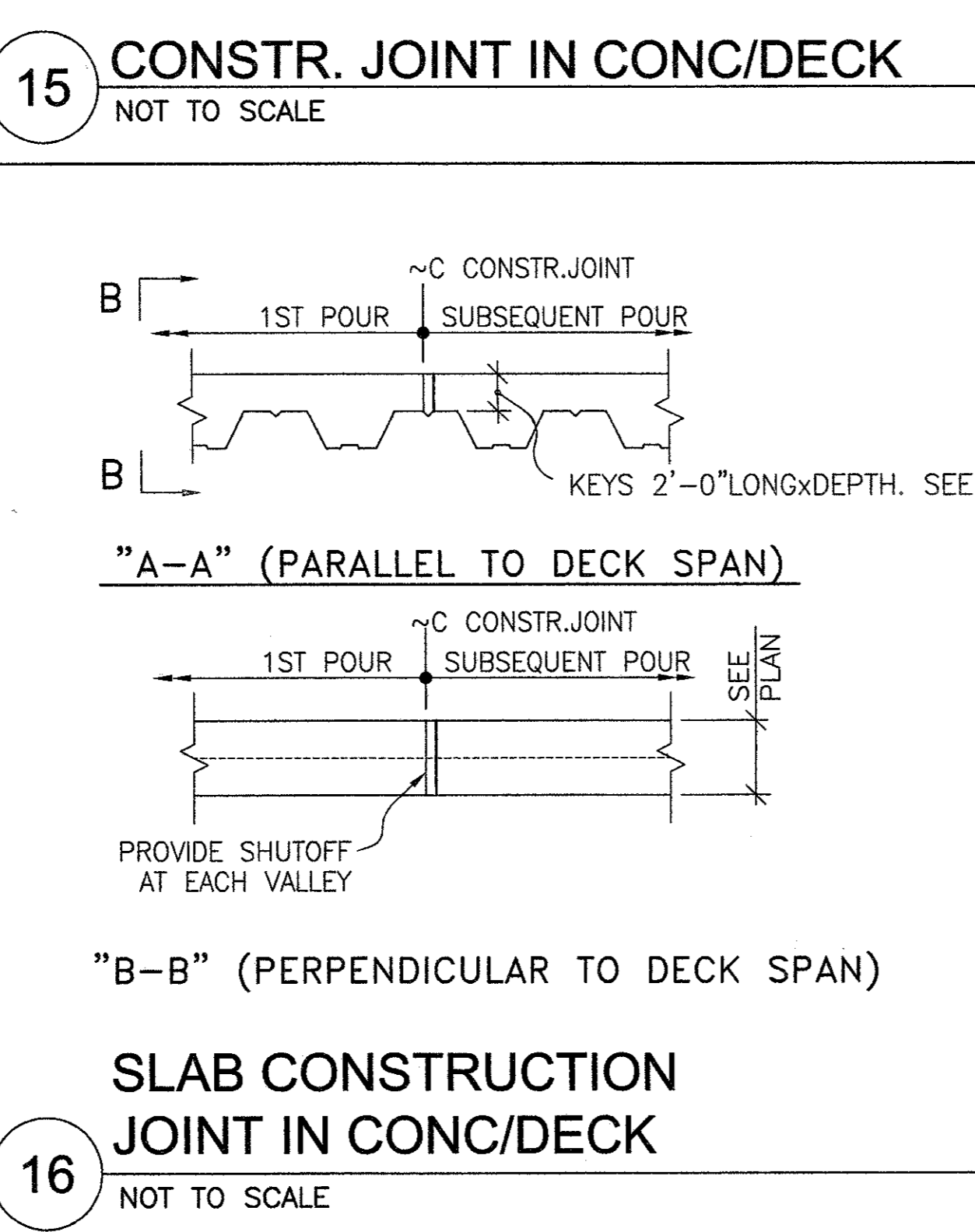
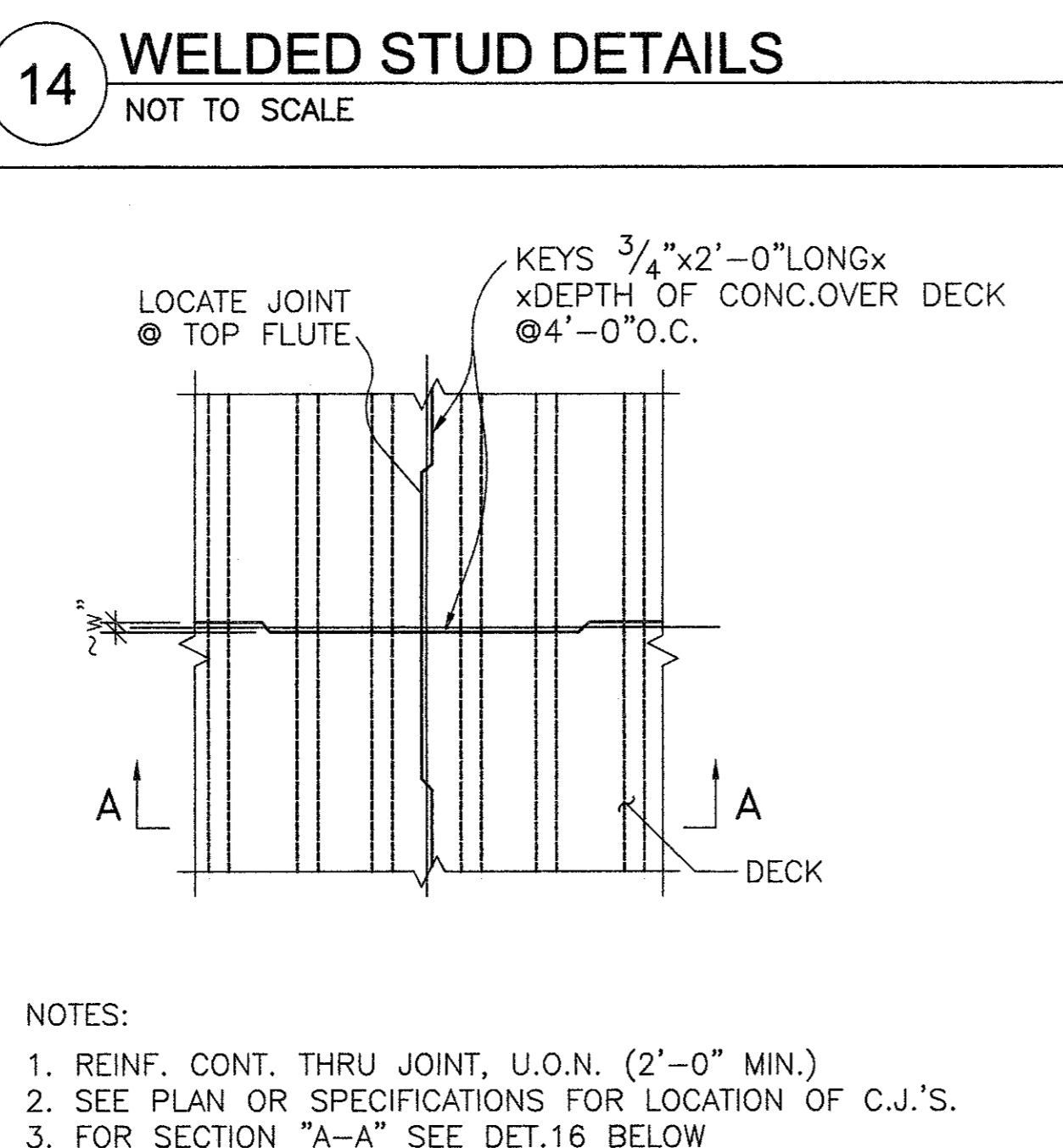
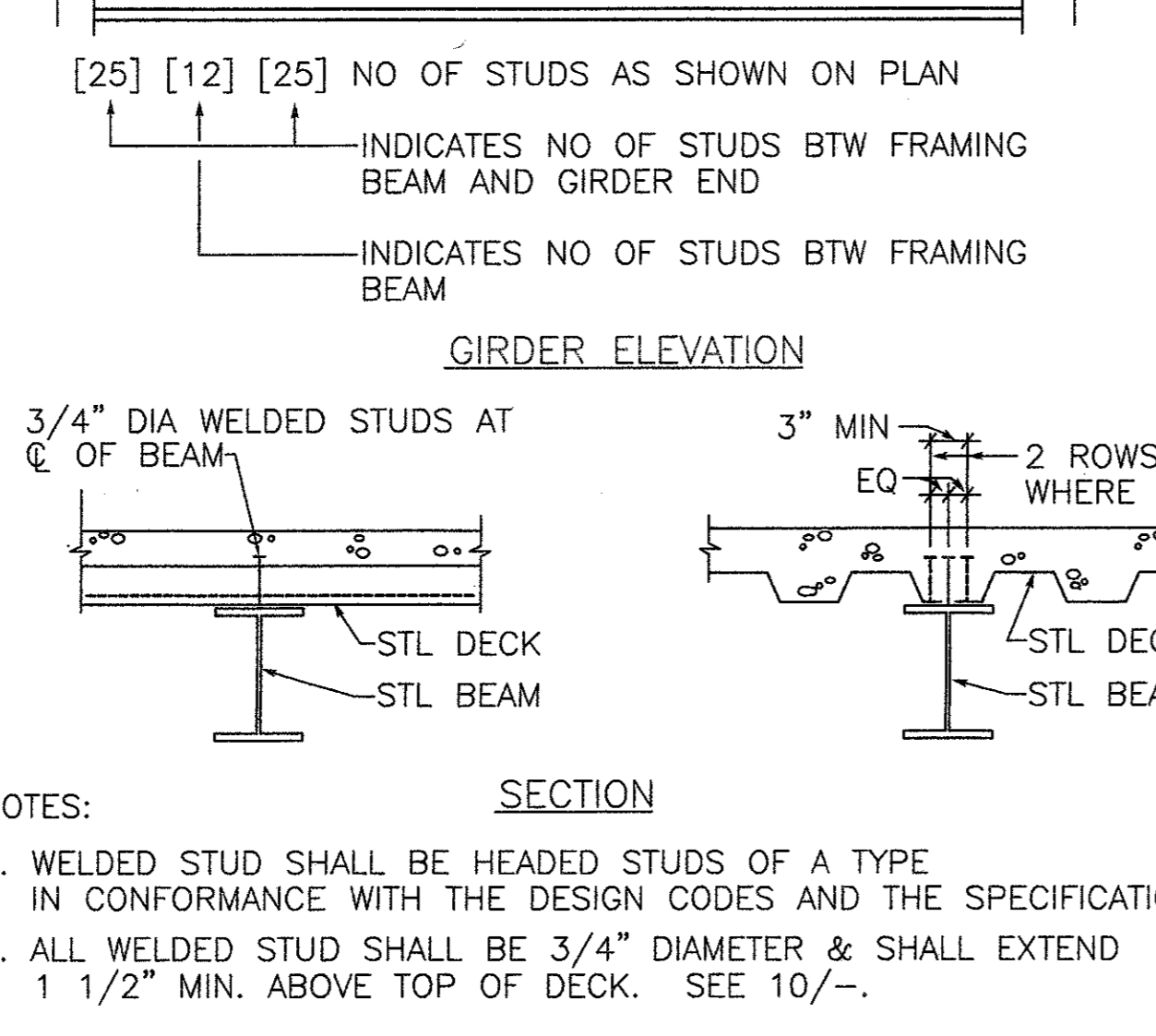
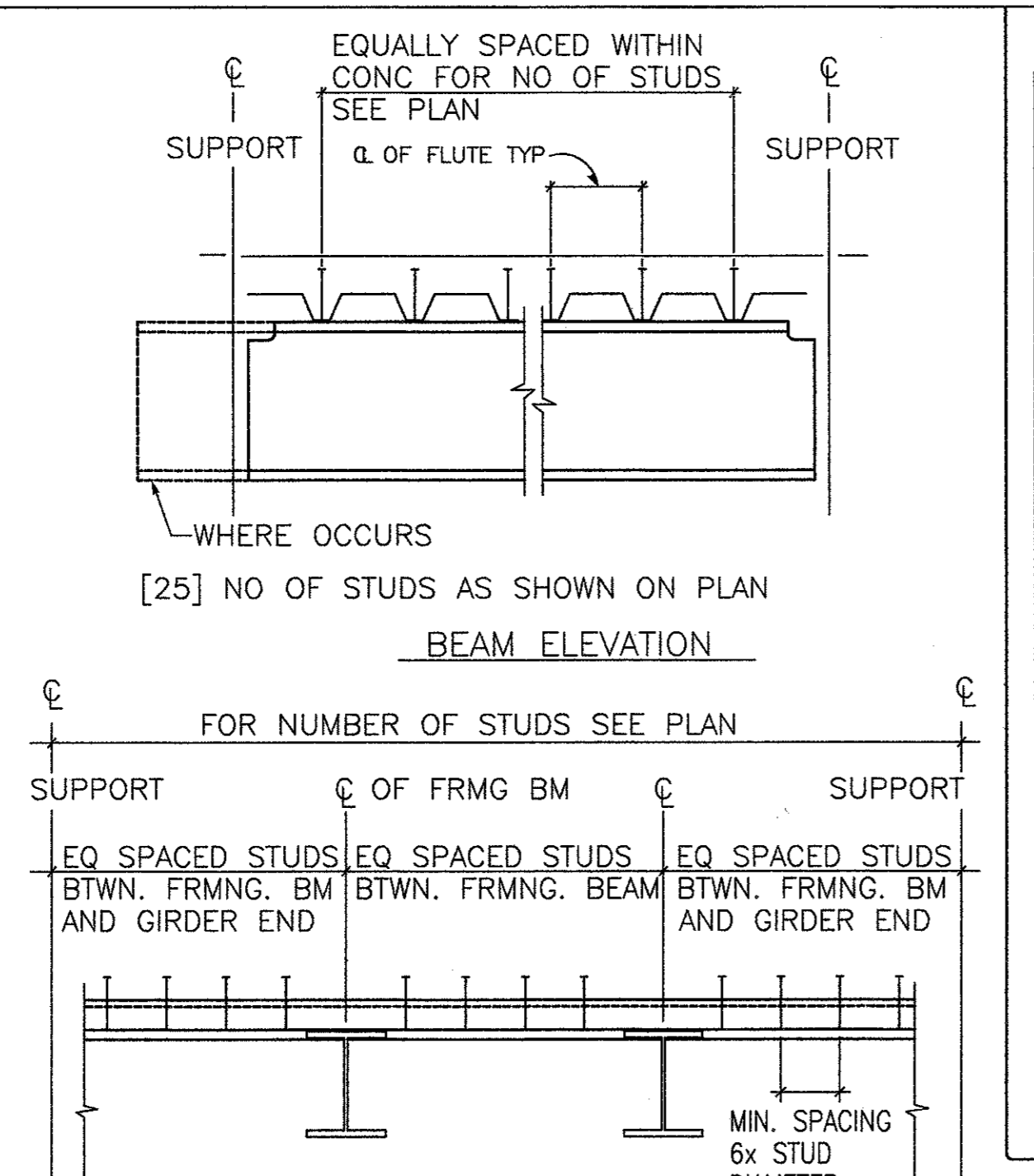
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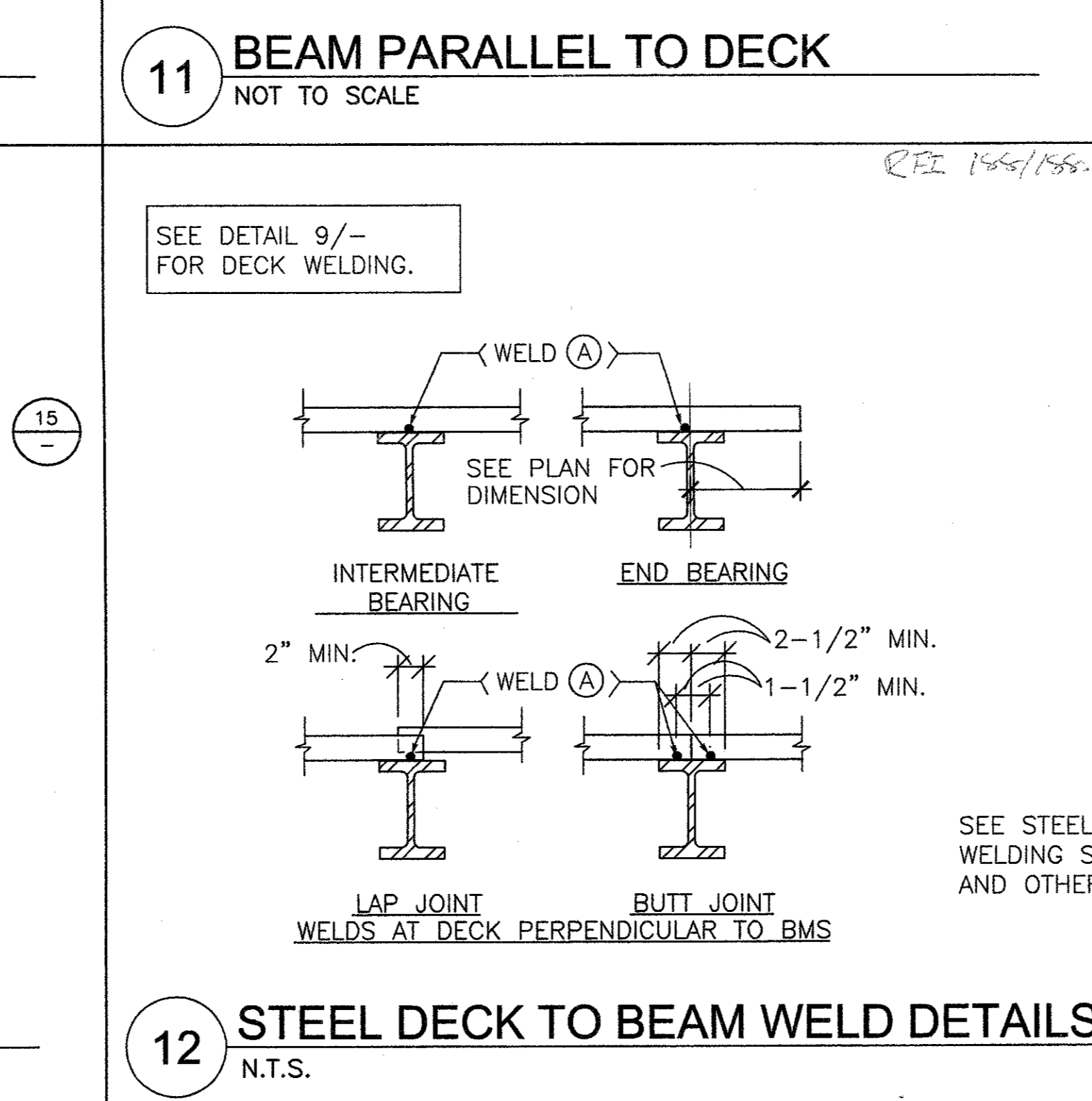
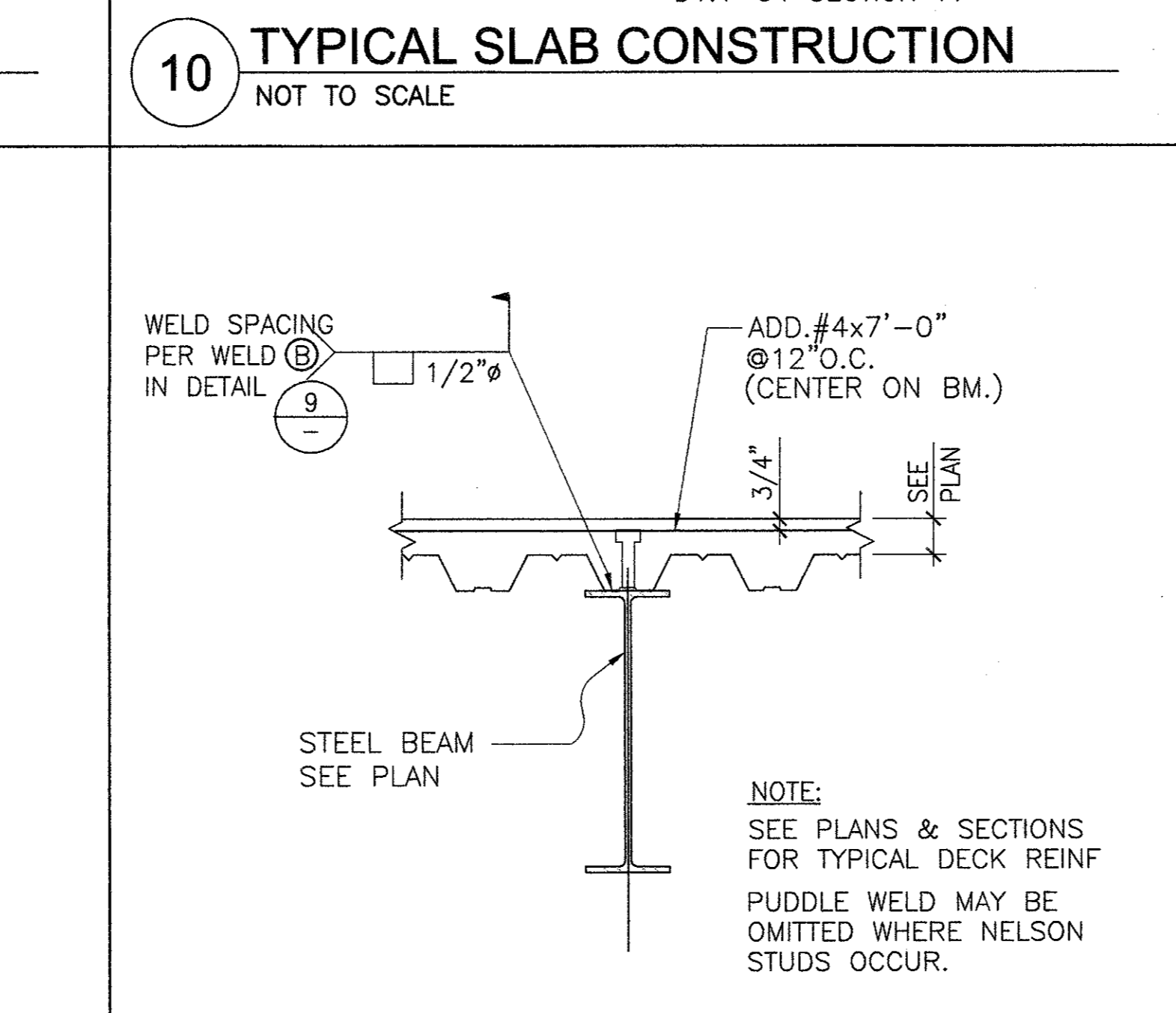
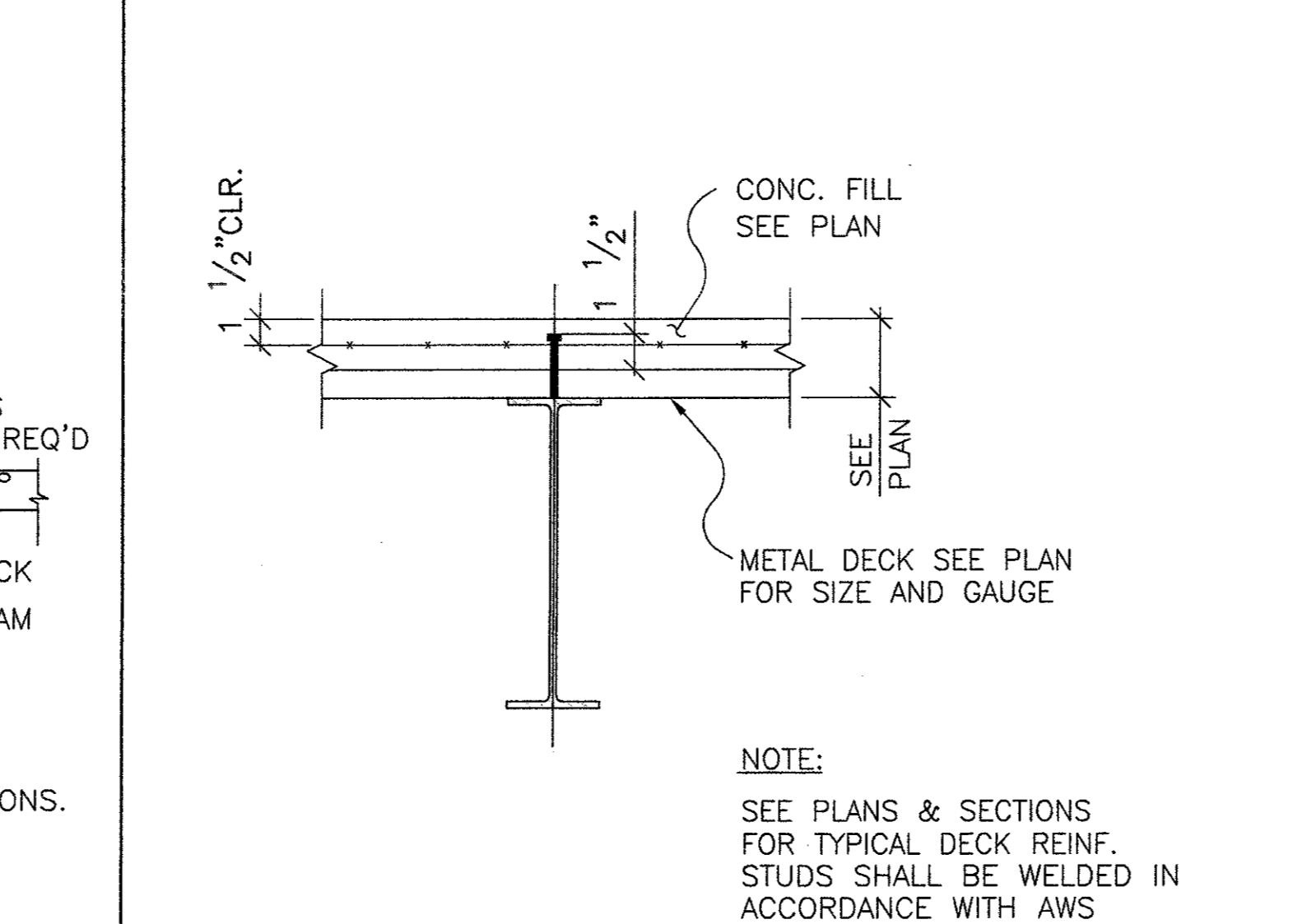
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NOT USED

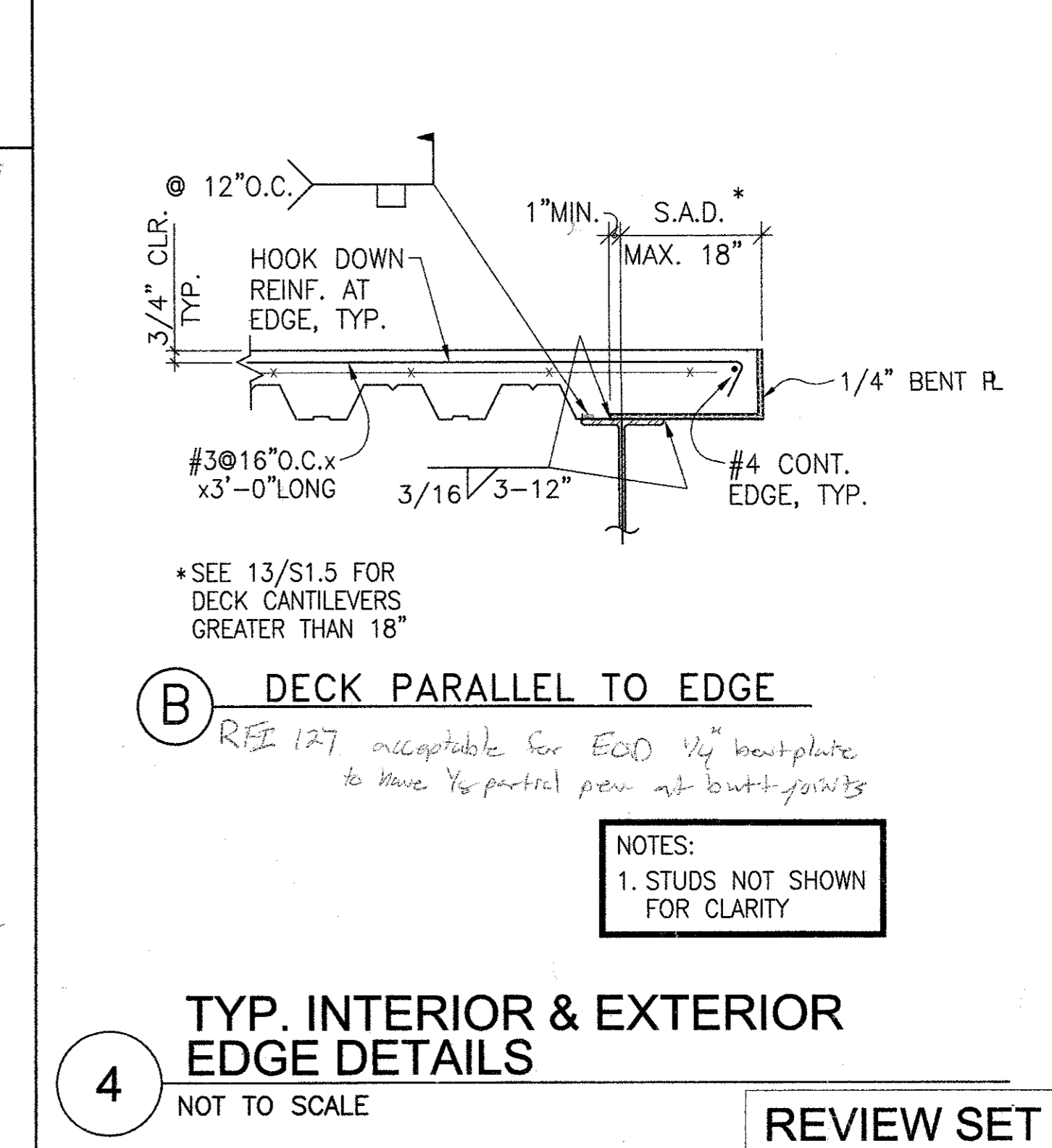
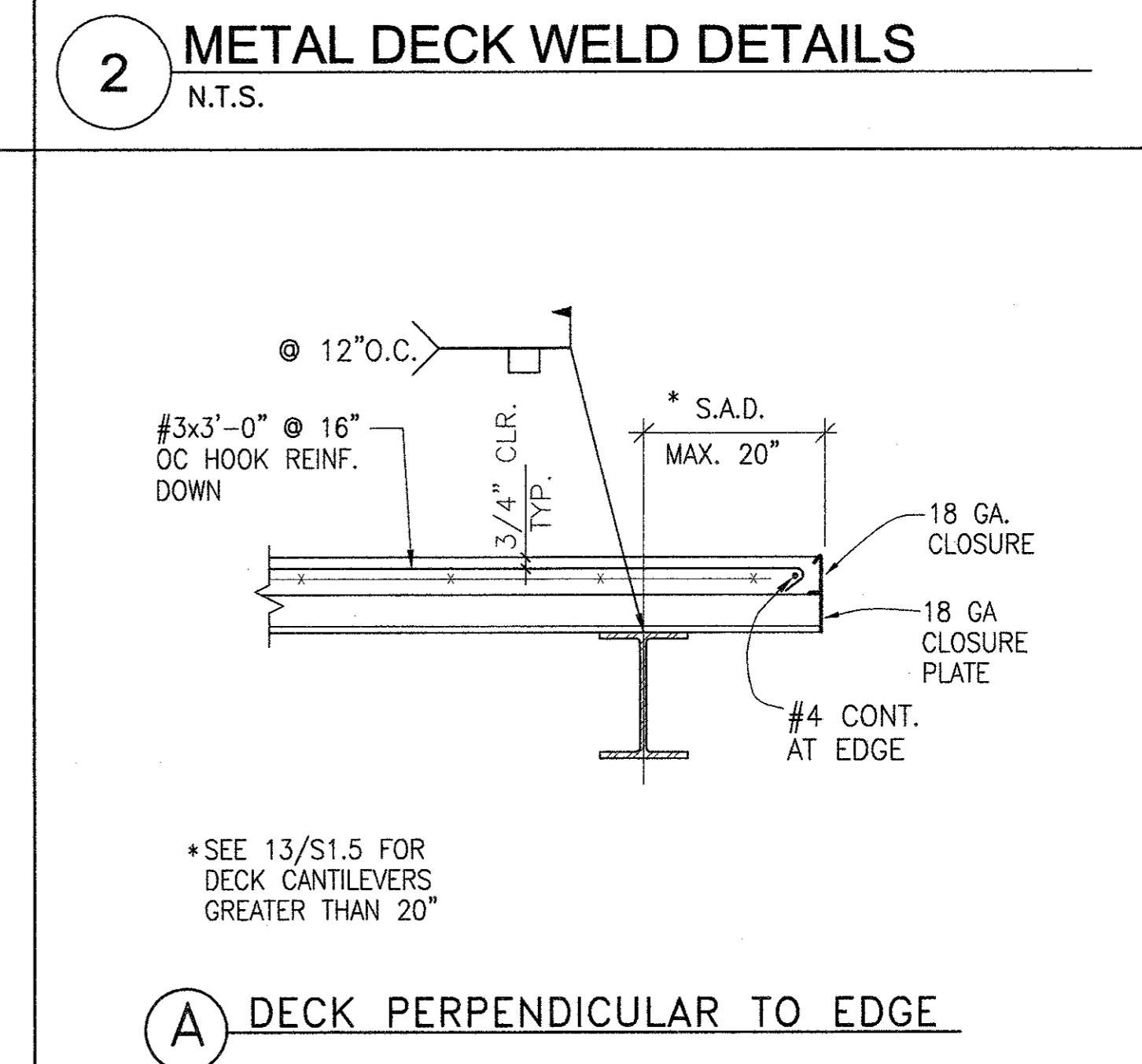
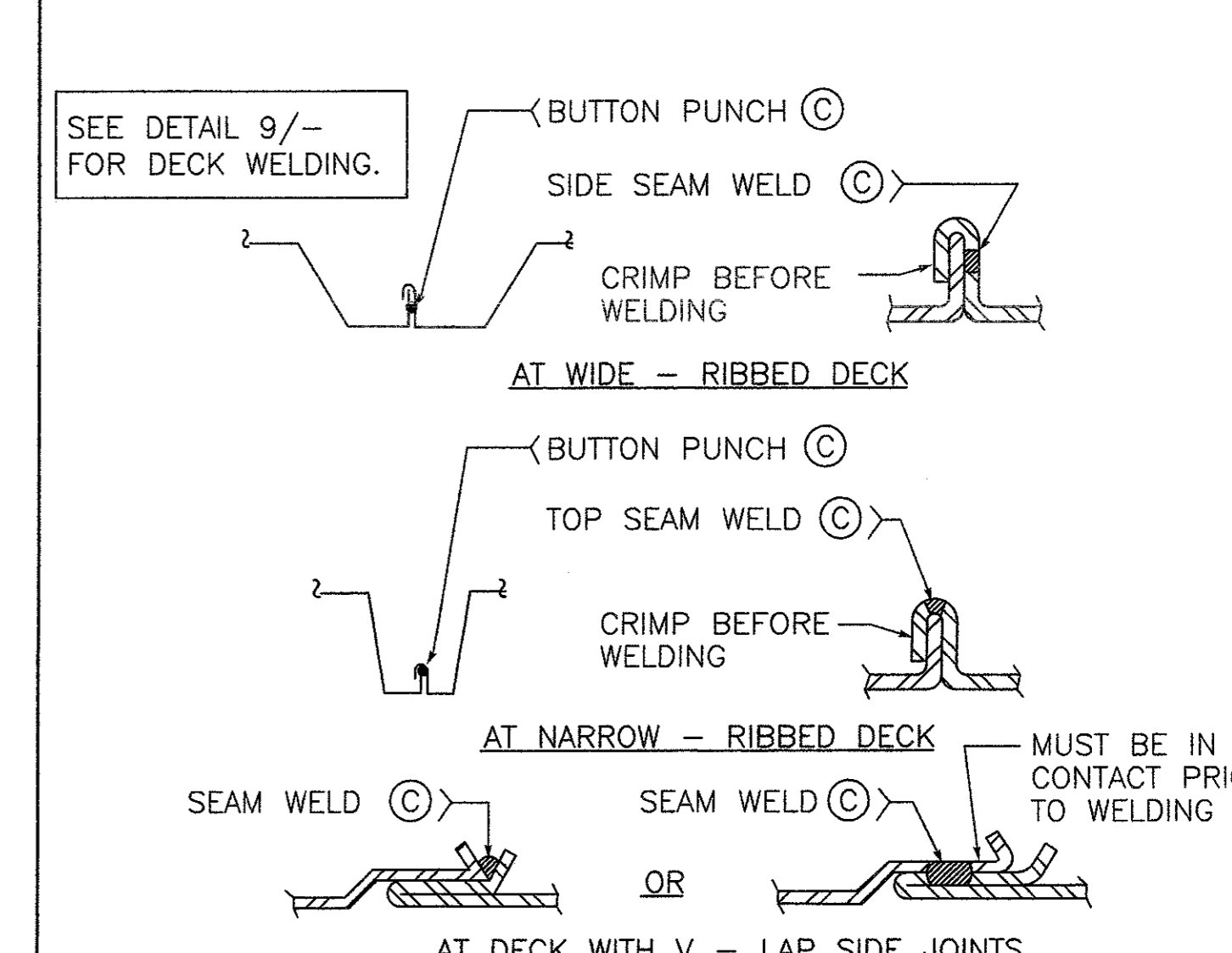
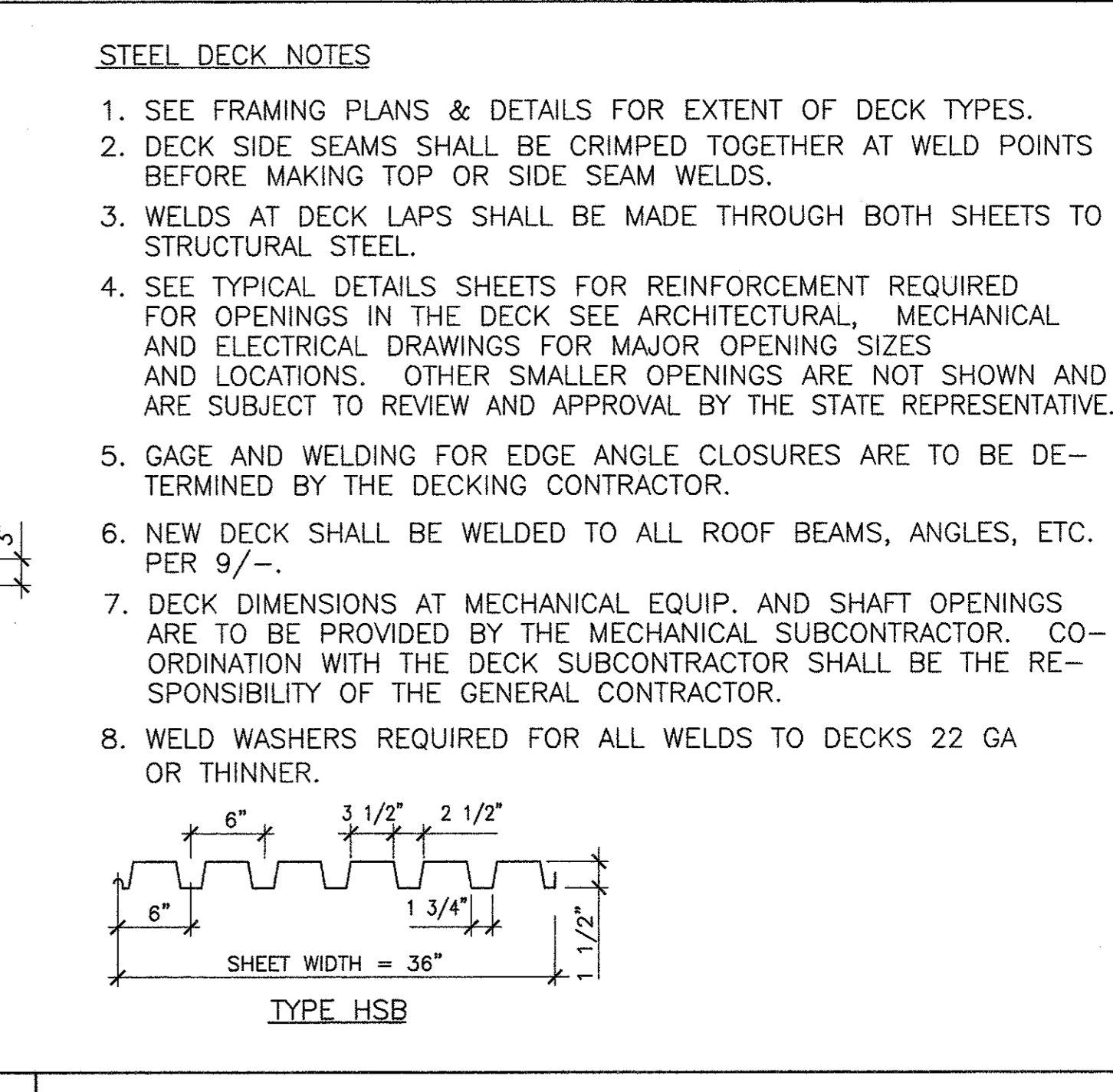
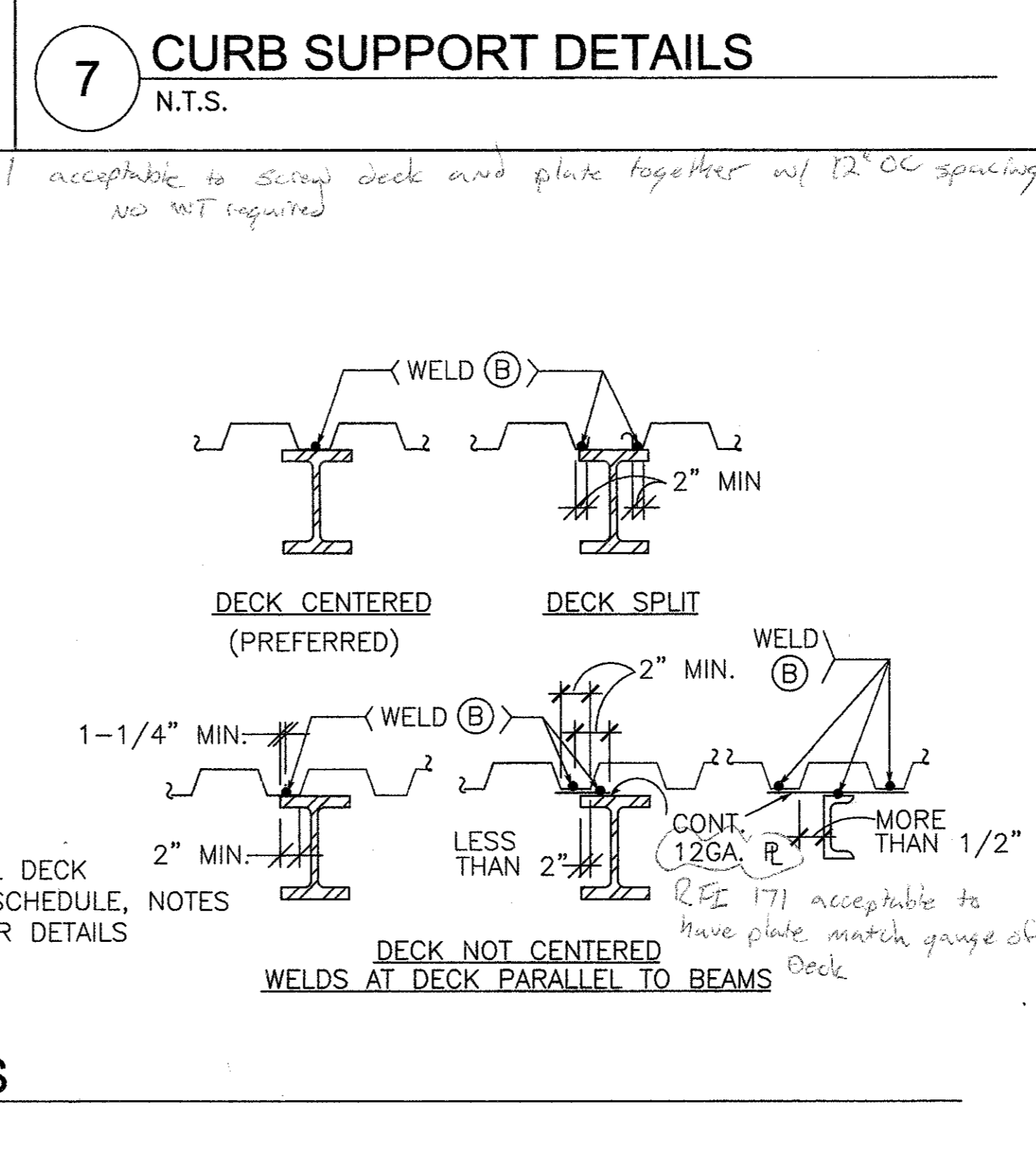
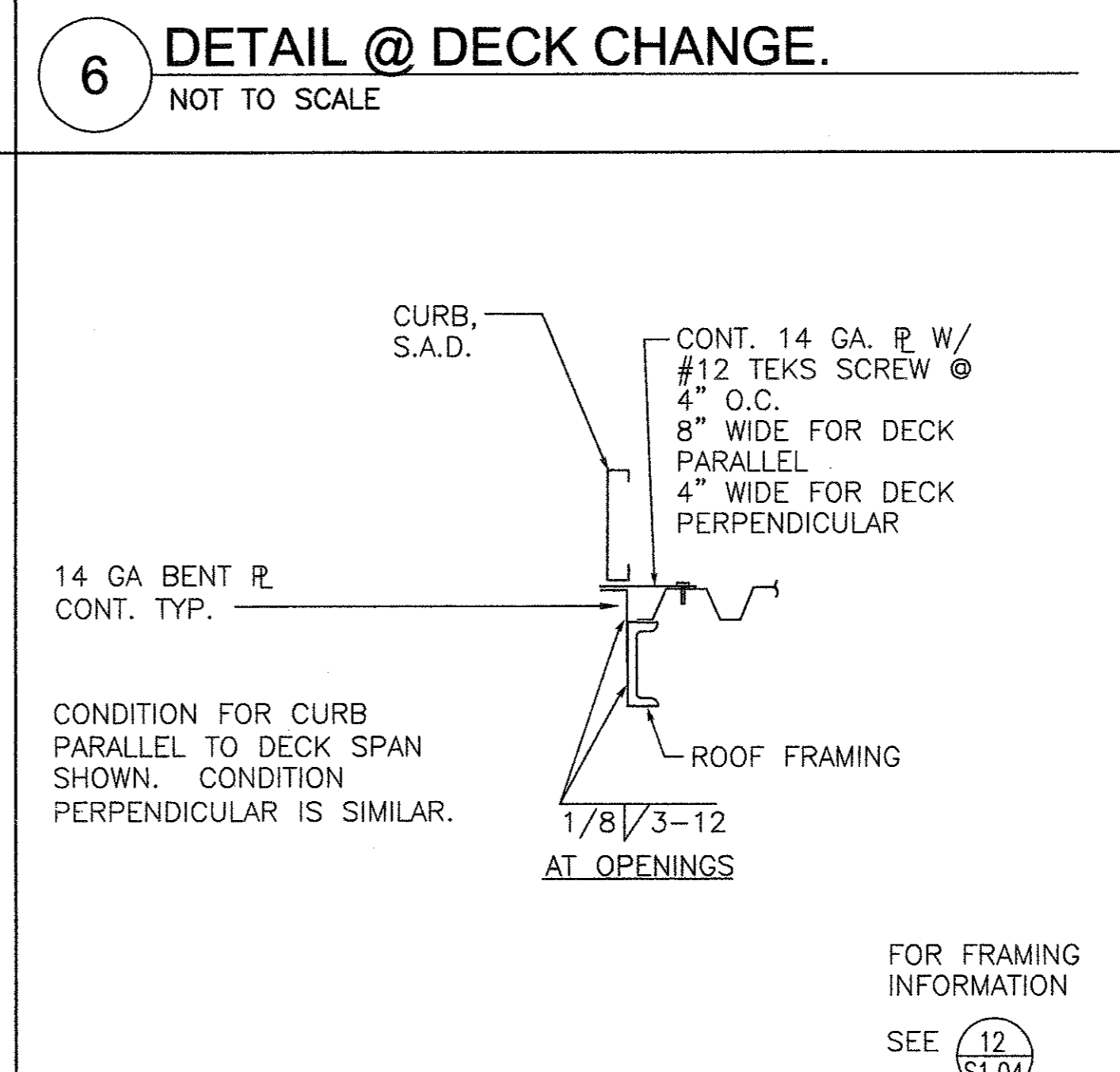
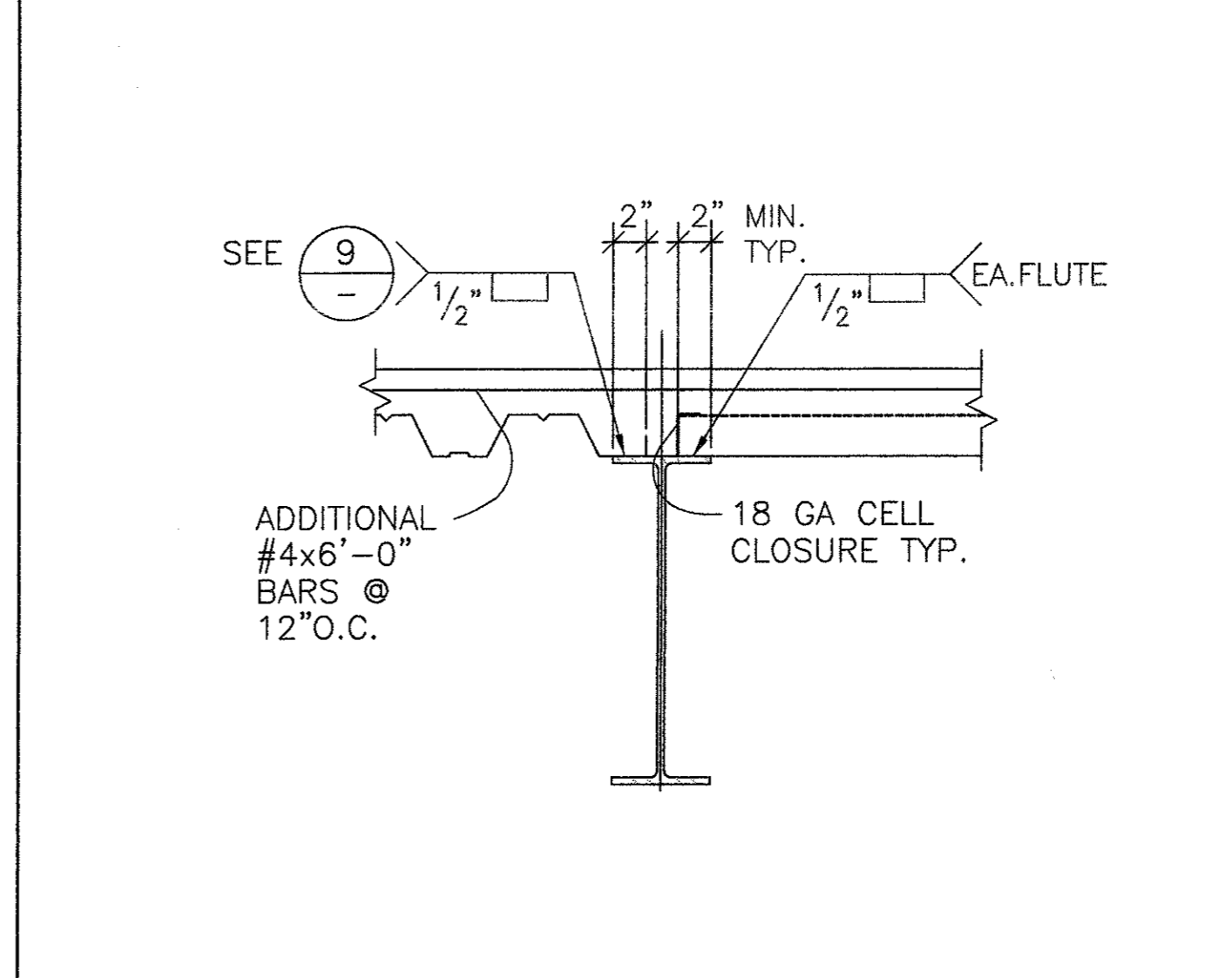
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DECK MARK (SEE PLAN)	DECK DEPTH AND SECTION TYPE SEE 9	DECK WELDS, SEE 9				ALLOWABLE DESIGN VALUES (SEE NOTE 5)						
		WELD (A)		WELD (B)		ATTACHMENT (C)		ATTACHMENT (D)				
		SIZE AND TYPE	# PER SHEET	SIZE AND TYPE	SPACING	SIZE AND TYPE	SPACING	GA	DIAPH. SHEAR q (psi)	FLEX. FACTOR F	GA	DIAPH. SHEAR q (psi)
1	HSB36	1/2" PUDDLE	7	1/2" PUDDLE	12"	TSW	12"	20GA	813	7.6 + 2R	766	8.1 + 2R
2	HSB36	1/2" PUDDLE	7	1/2" PUDDLE	12"	TSW	6"	20GA	1125	4.2 + 2R	978	4.4 + 2R
3	W2 FORMLOK 2 1/2" L.T. WT. CONC.	1/2" PUDDLE	4	1/2" PUDDLE	12"	BP	12"	20GA	1280	F<1	1240	F<1
								18GA	1360	F<1	1304	F<1



MINIMUM SECTION PROPERTIES					
SECTION TYPE	THICKNESS (GA.)	I (IN ⁴ /FT)	+S (IN ³ /FT)	-S (IN ³ /FT)	DECK EMBOSSED (COMPOSITE)
W3-FORMLOK	20 GA.	.896	.534	.564	YES
W2-FORMLOK	20 GA.	.423	.361	.370	YES
B-FORMLOK	18 GA.	.555	.510	.511	YES
B-FORMLOK	20 GA.	.216	.235	.248	YES
B-FORMLOK	18 GA.	.302	.322	.335	YES
HSB-36	18 GA.	.302	.322	.335	NO
HSB-36	20 GA.	.216	.235	.248	NO
N-24	18 GA.	1.22	.731	.776	NO
N-24	16 GA.	1.65	.950	1.00	NO
B-FORMLOK	16 GA.	.377	.411	.417	YES



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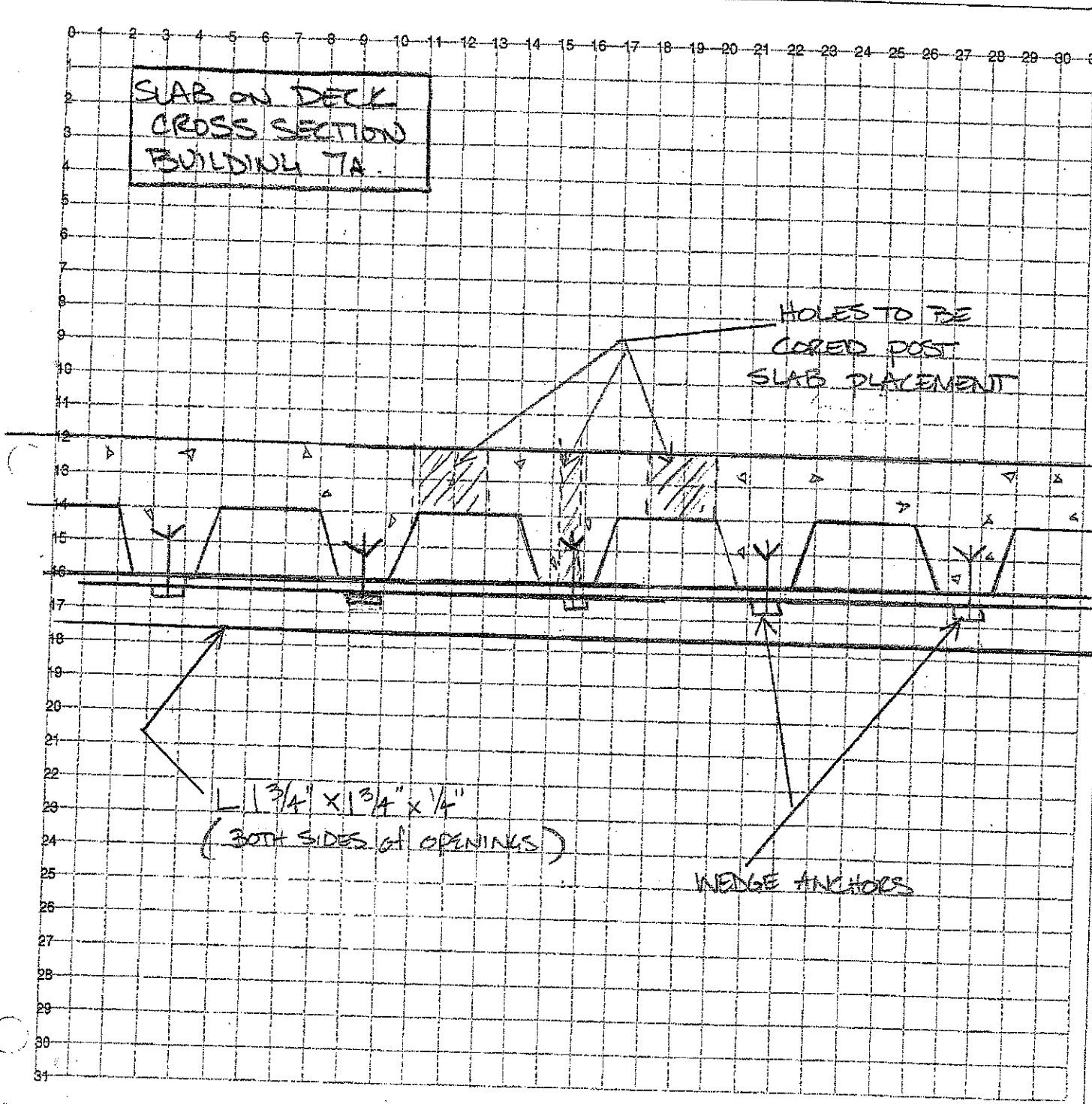
ISSUED FOR: DSA - INC #1
DATE: 10.21.04

DRAWING TITLE: TYPICAL STEEL DECK DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER

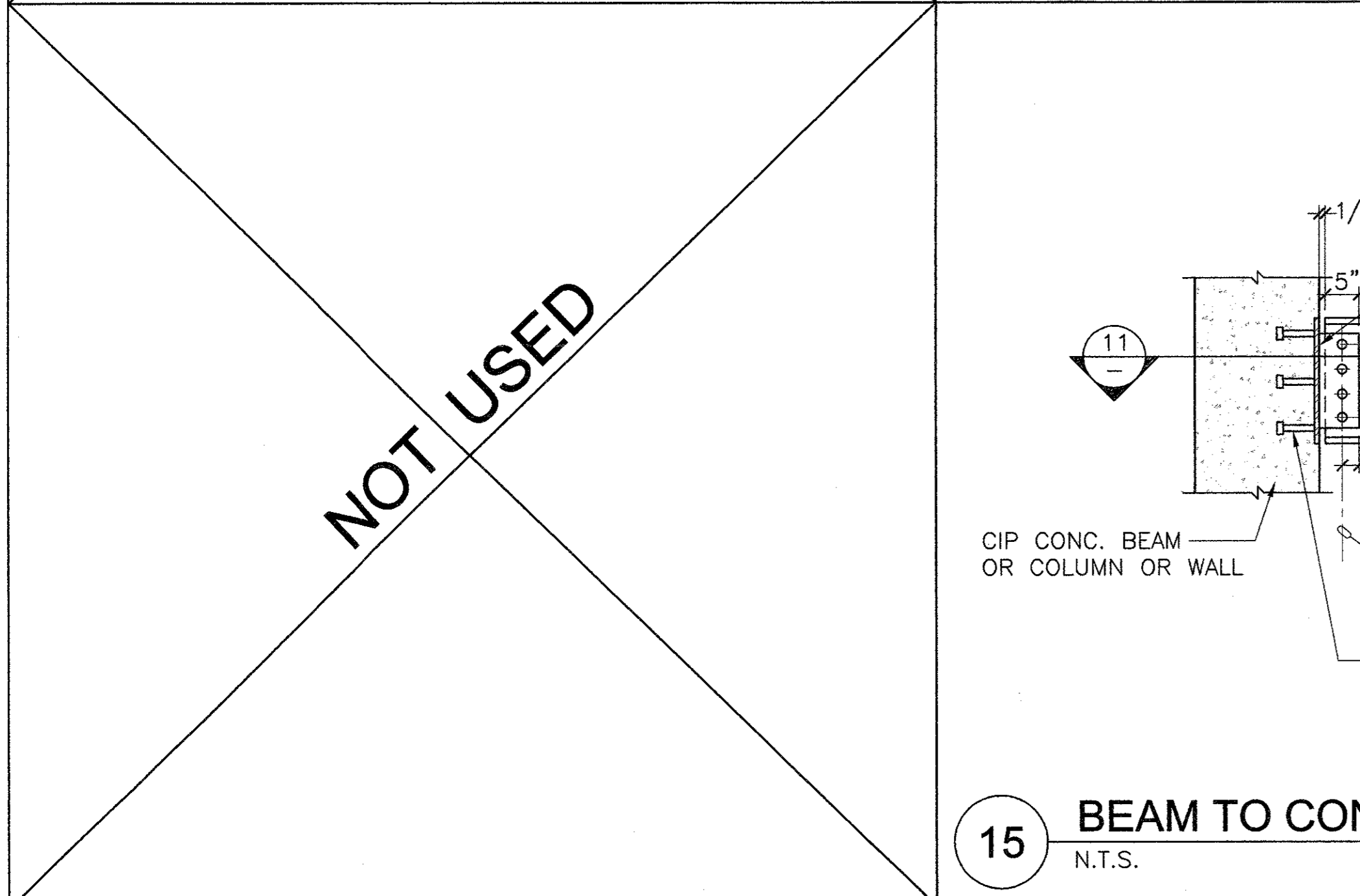
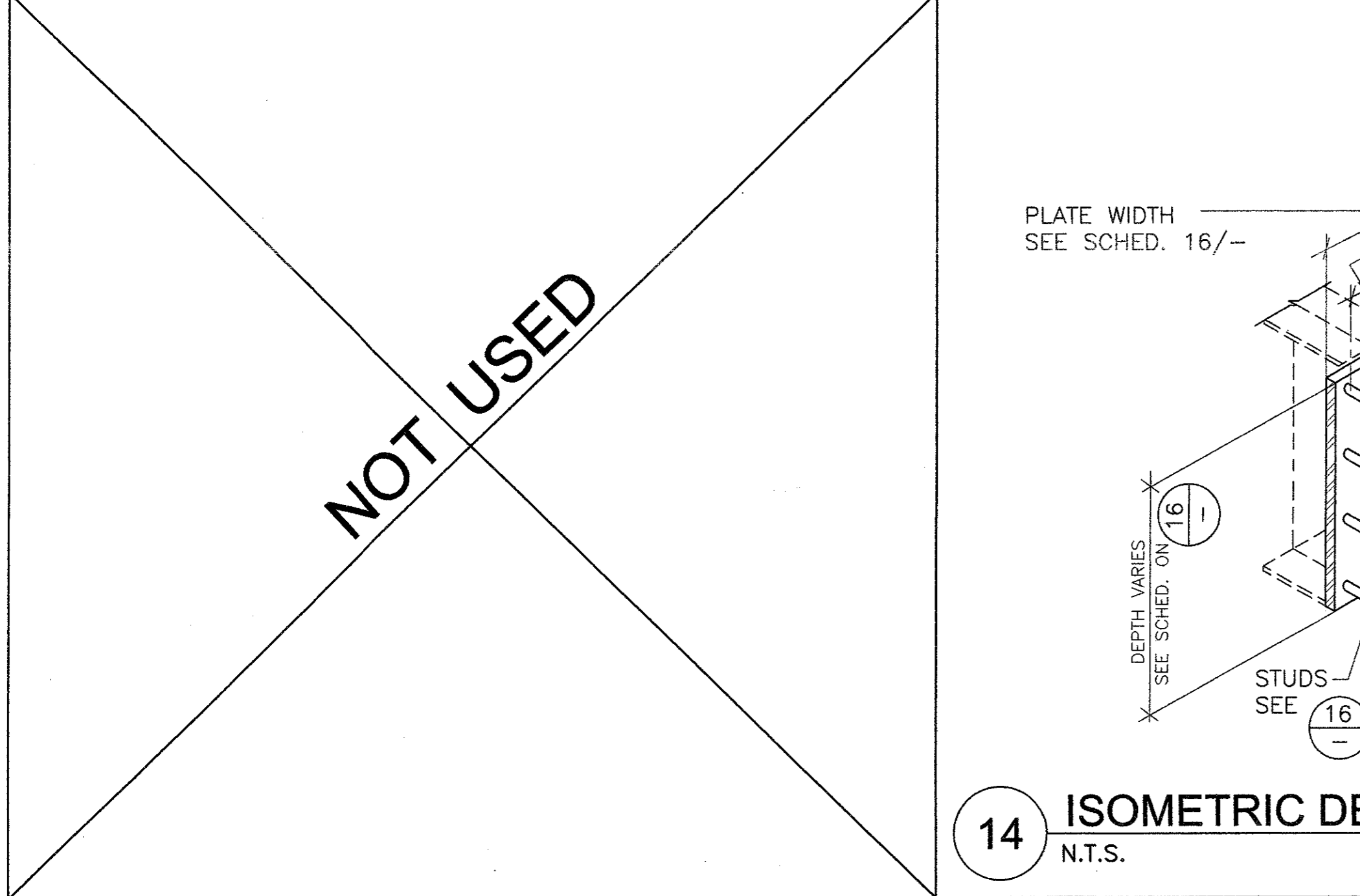
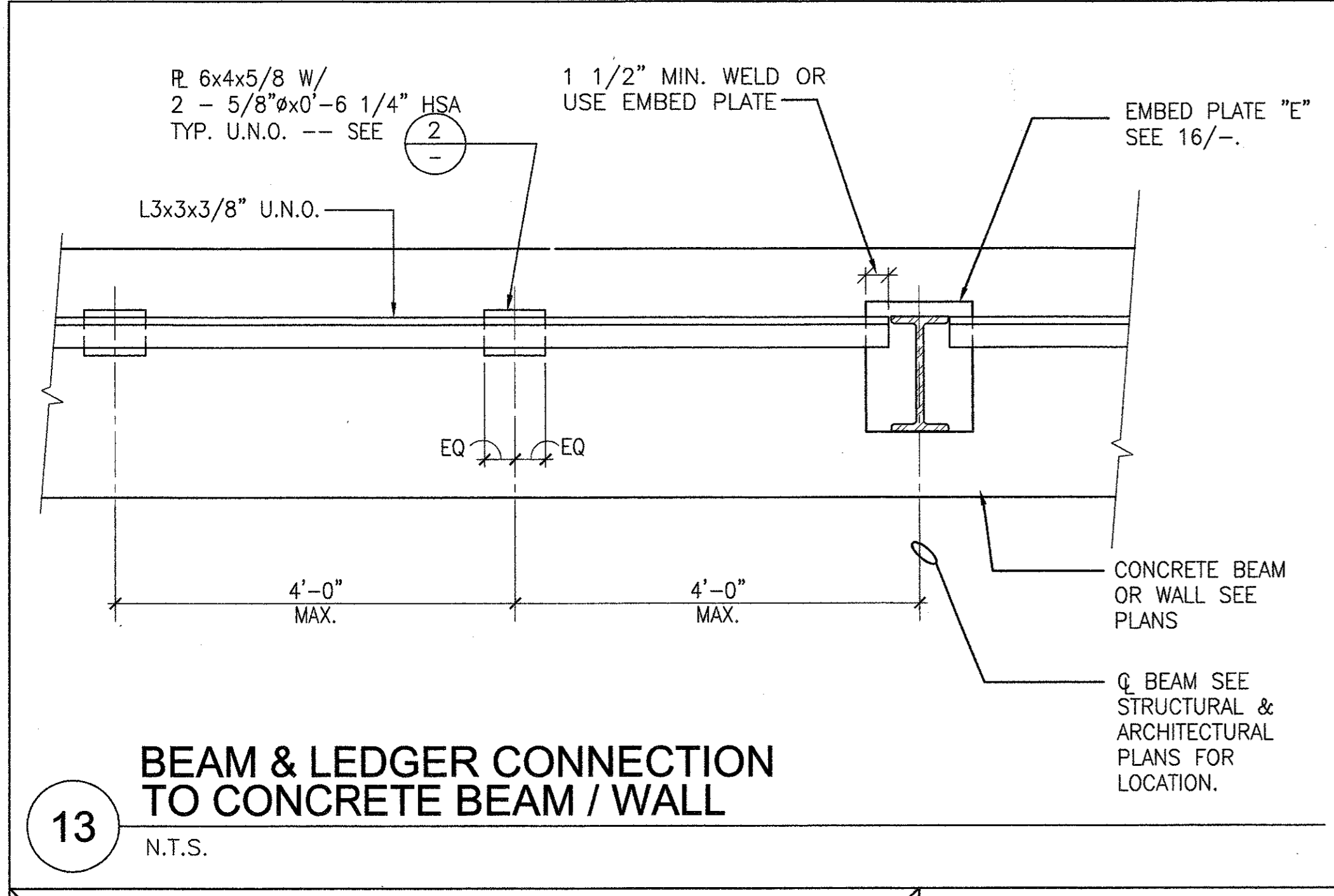
REVIEW SET
S1.3

DEI # 208 1-19-06 SKUMME COLLEGE G+7A

For info to: _____ Date: _____ DRAWN BY: LCH

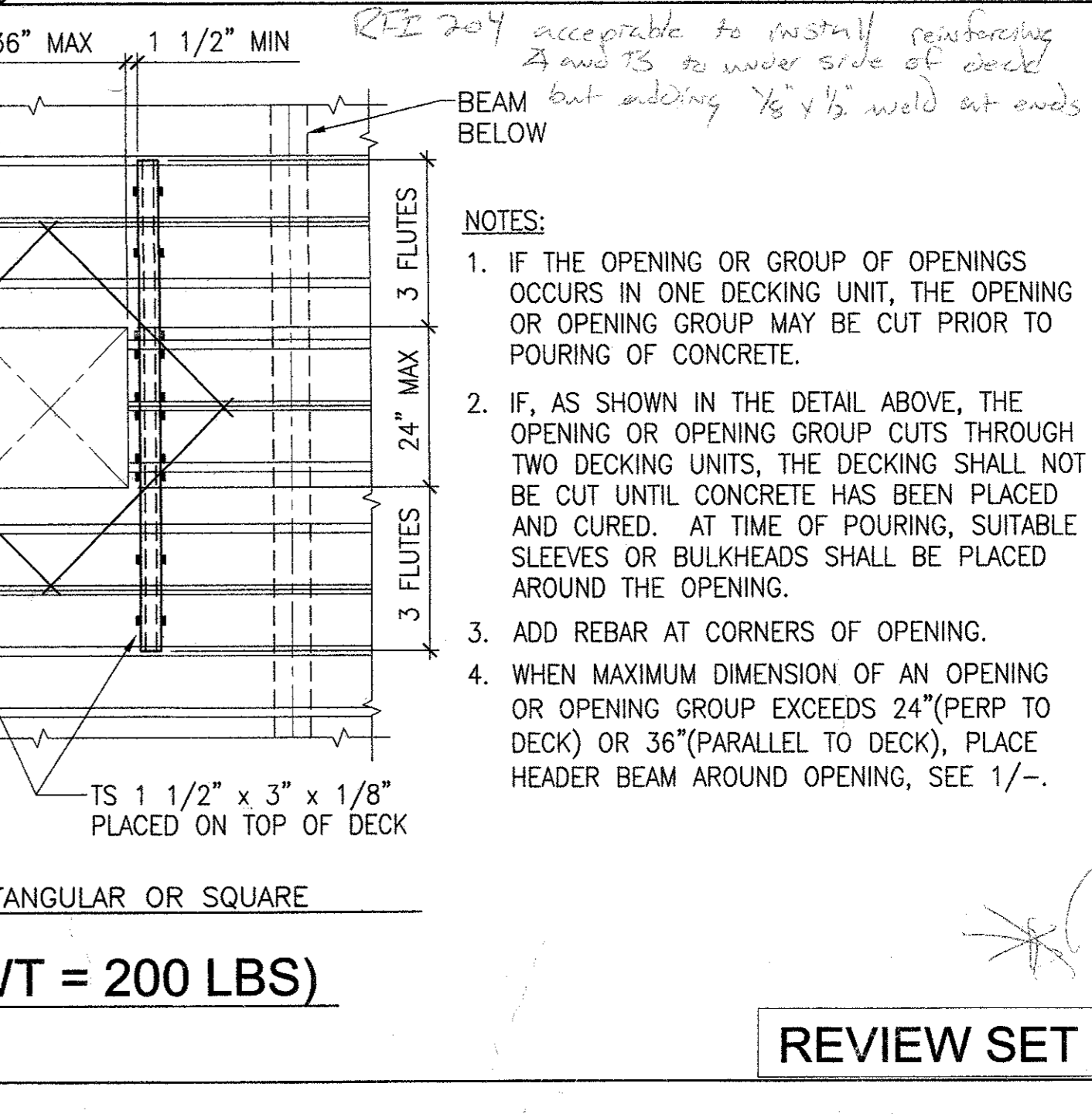
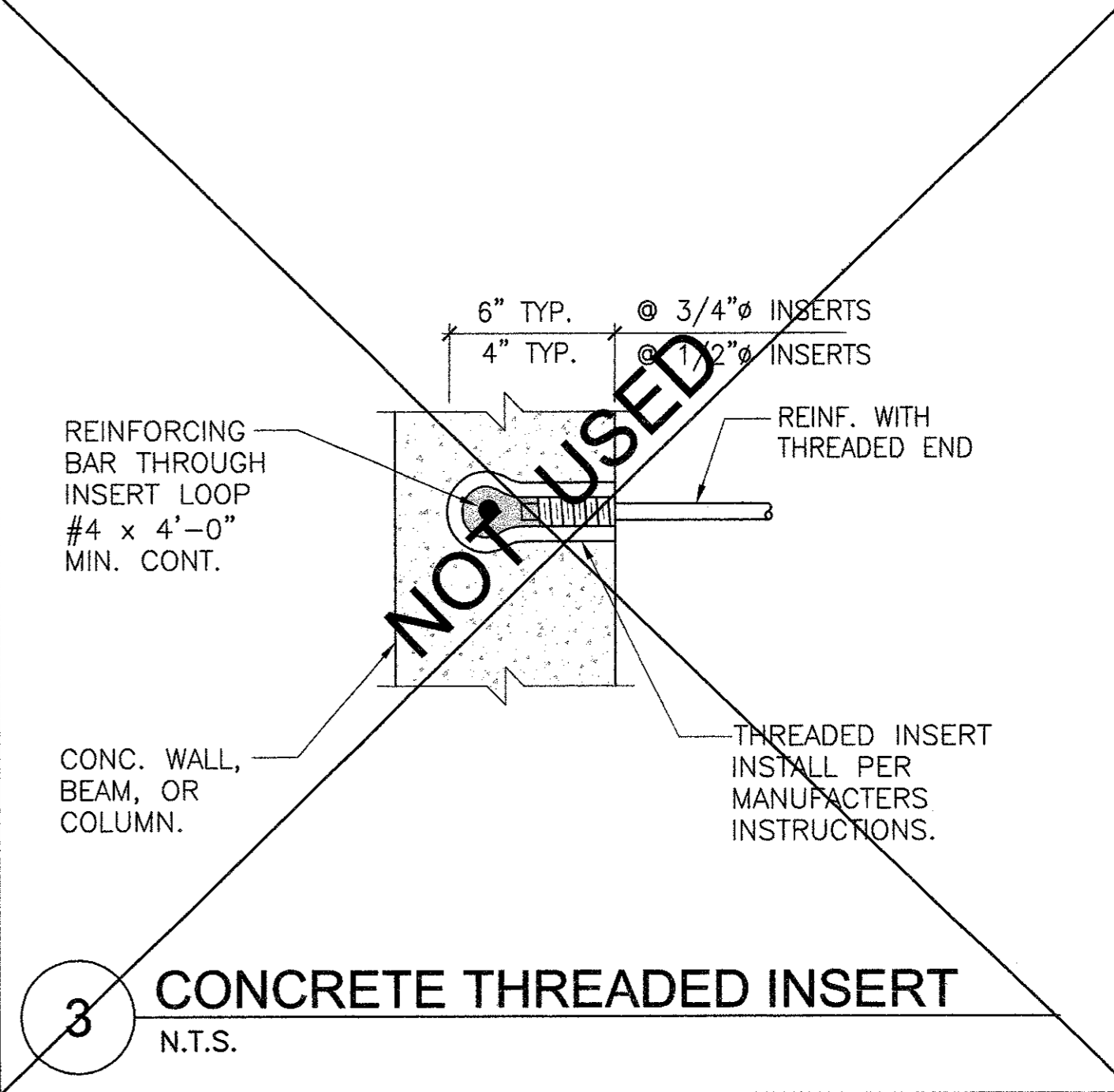
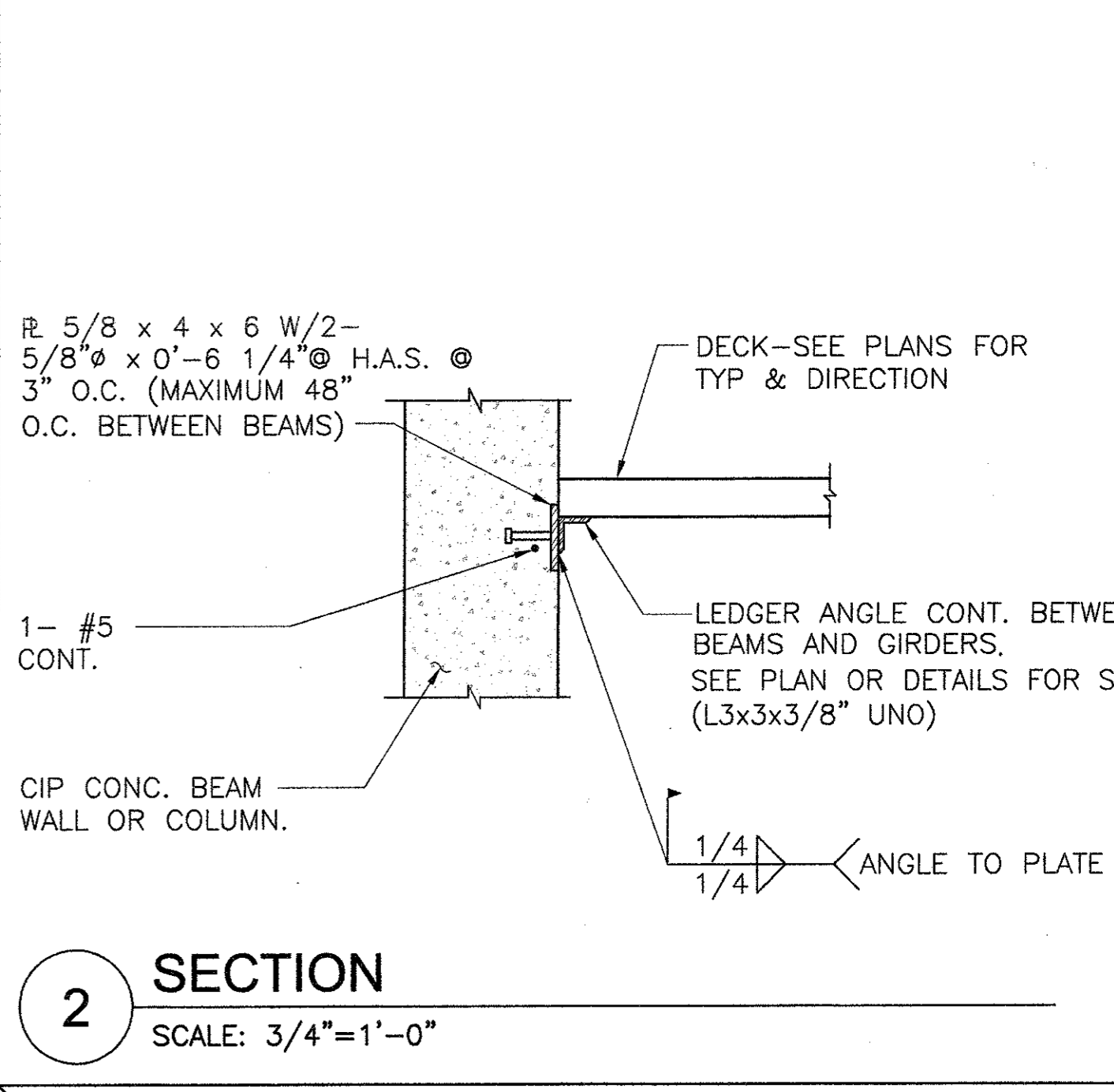
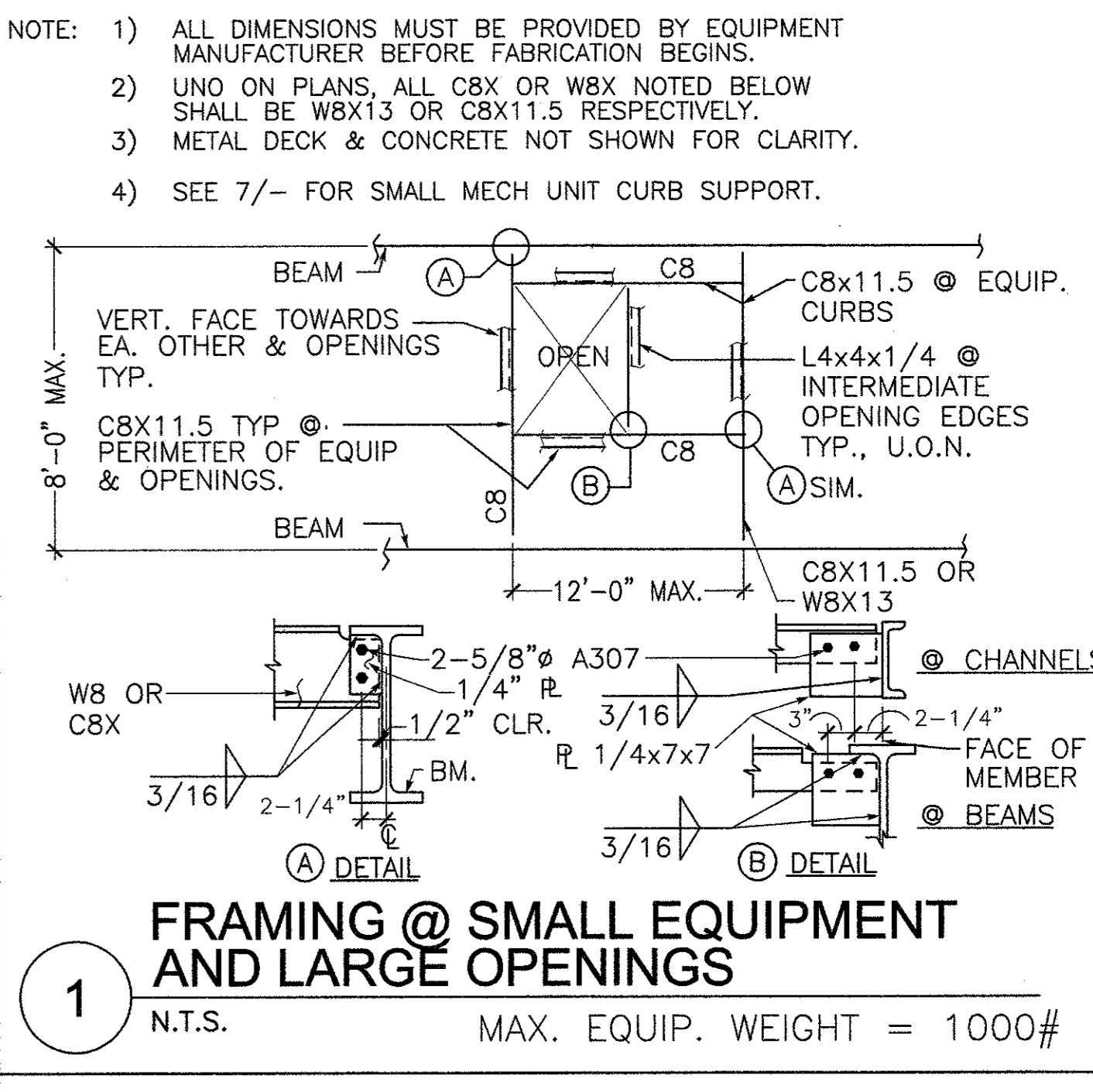
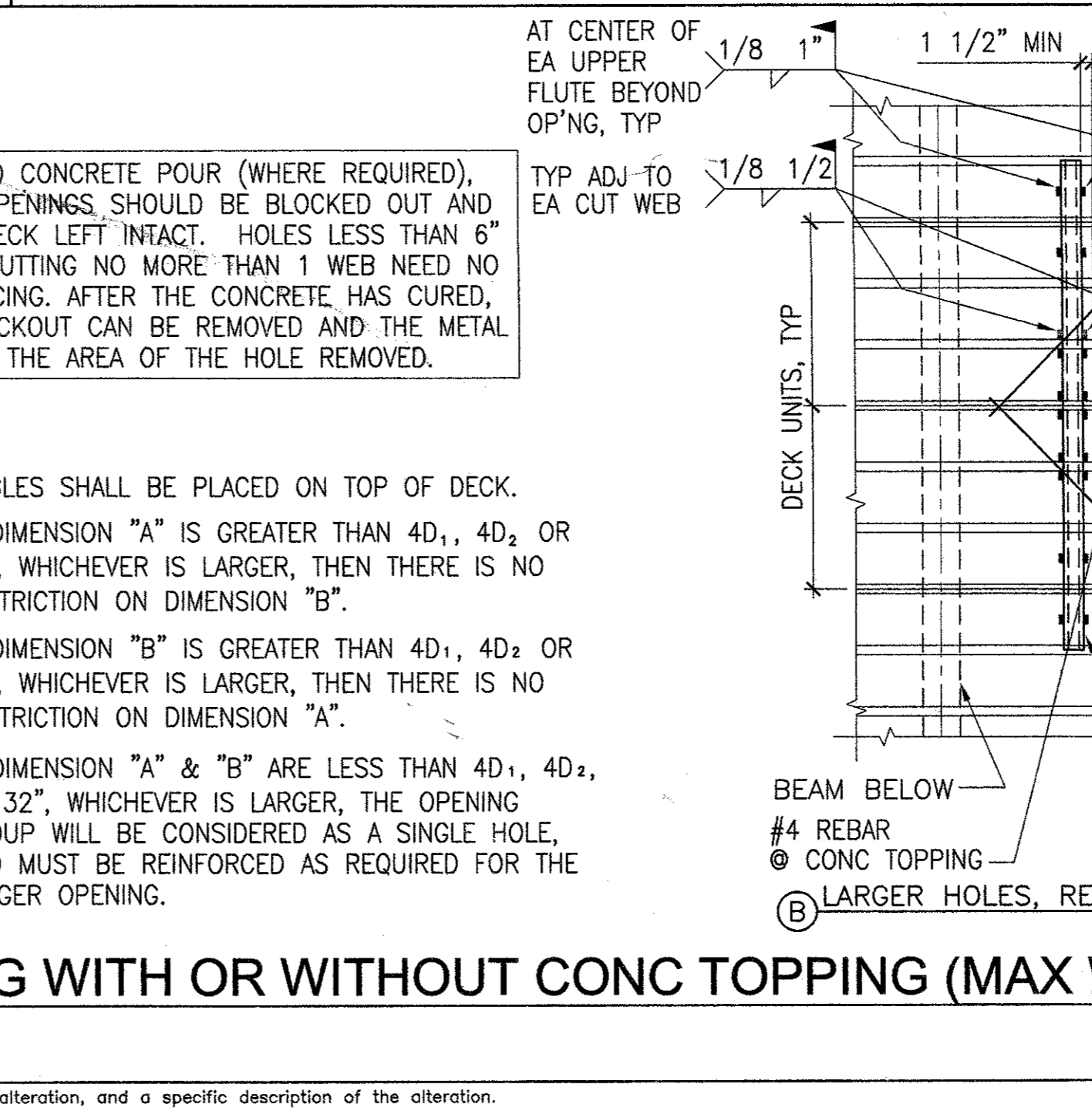
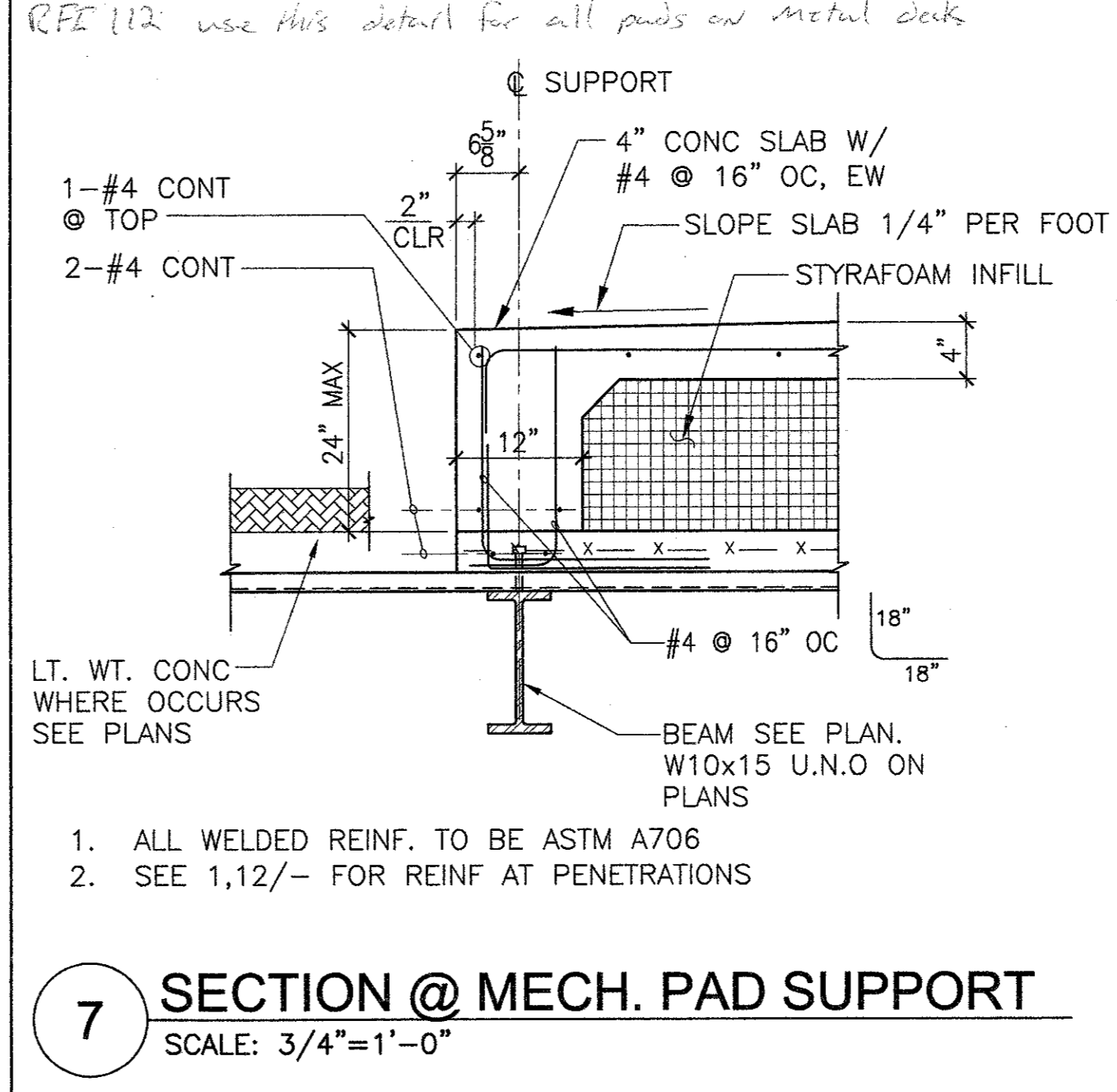
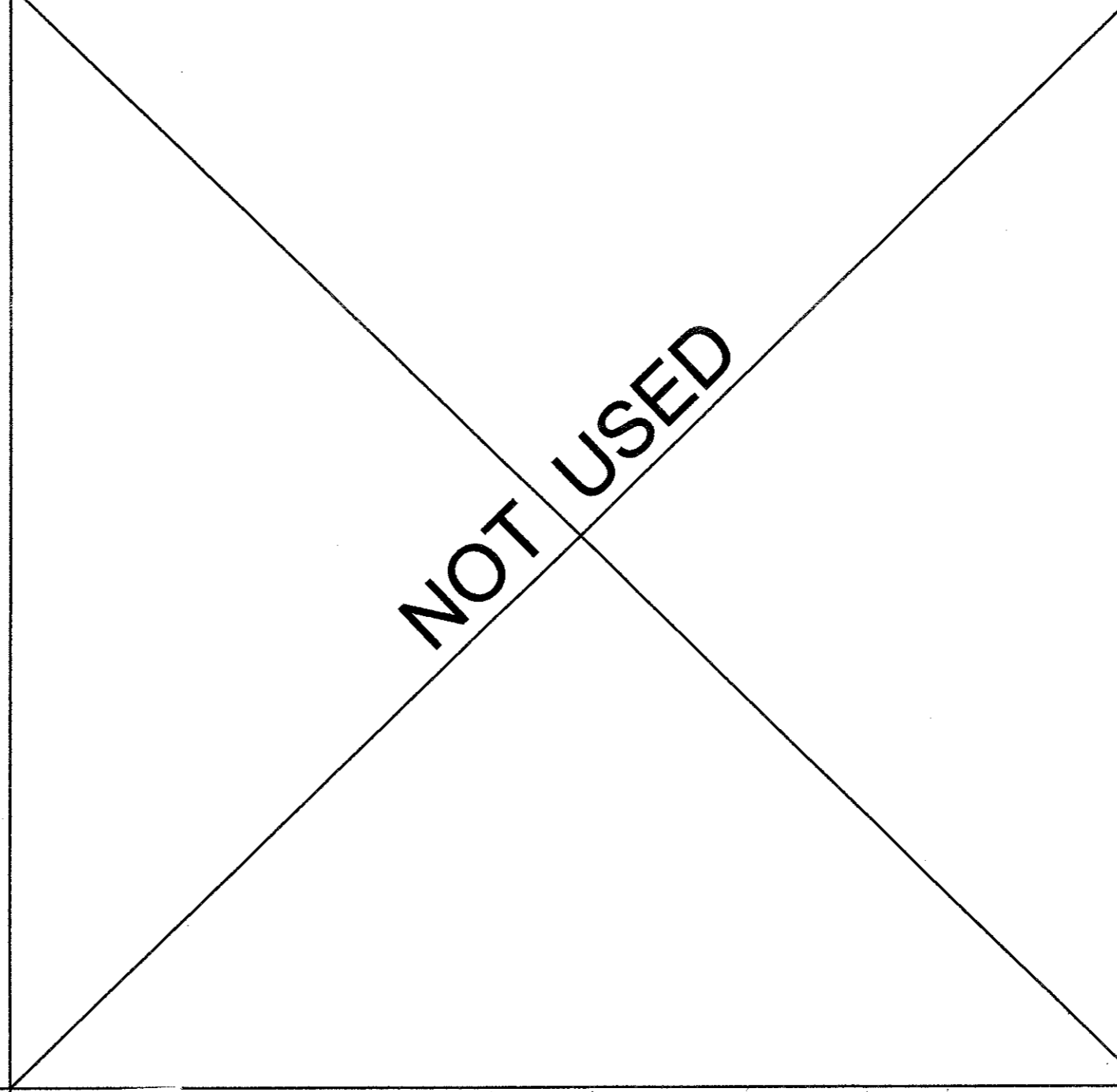
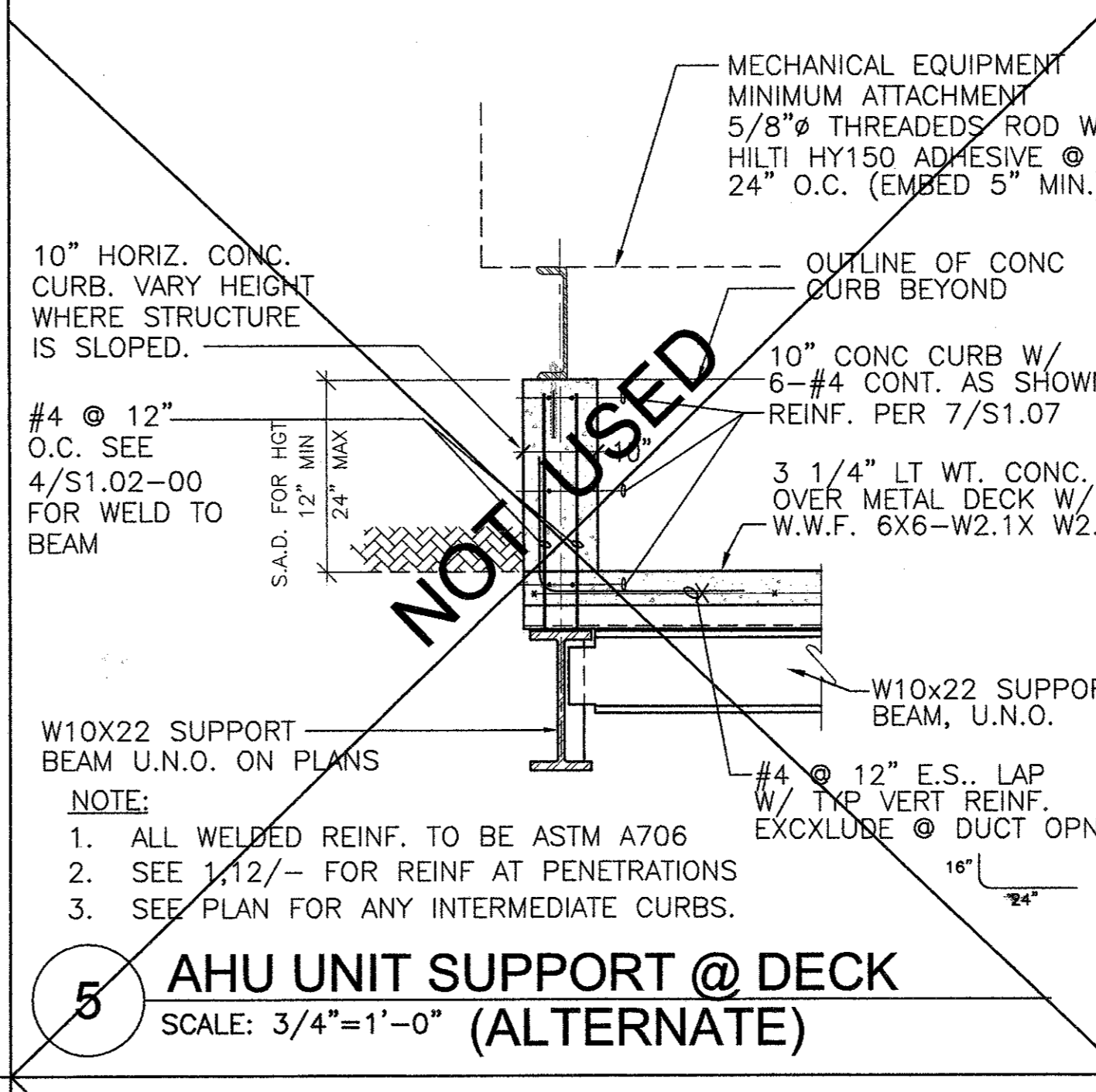
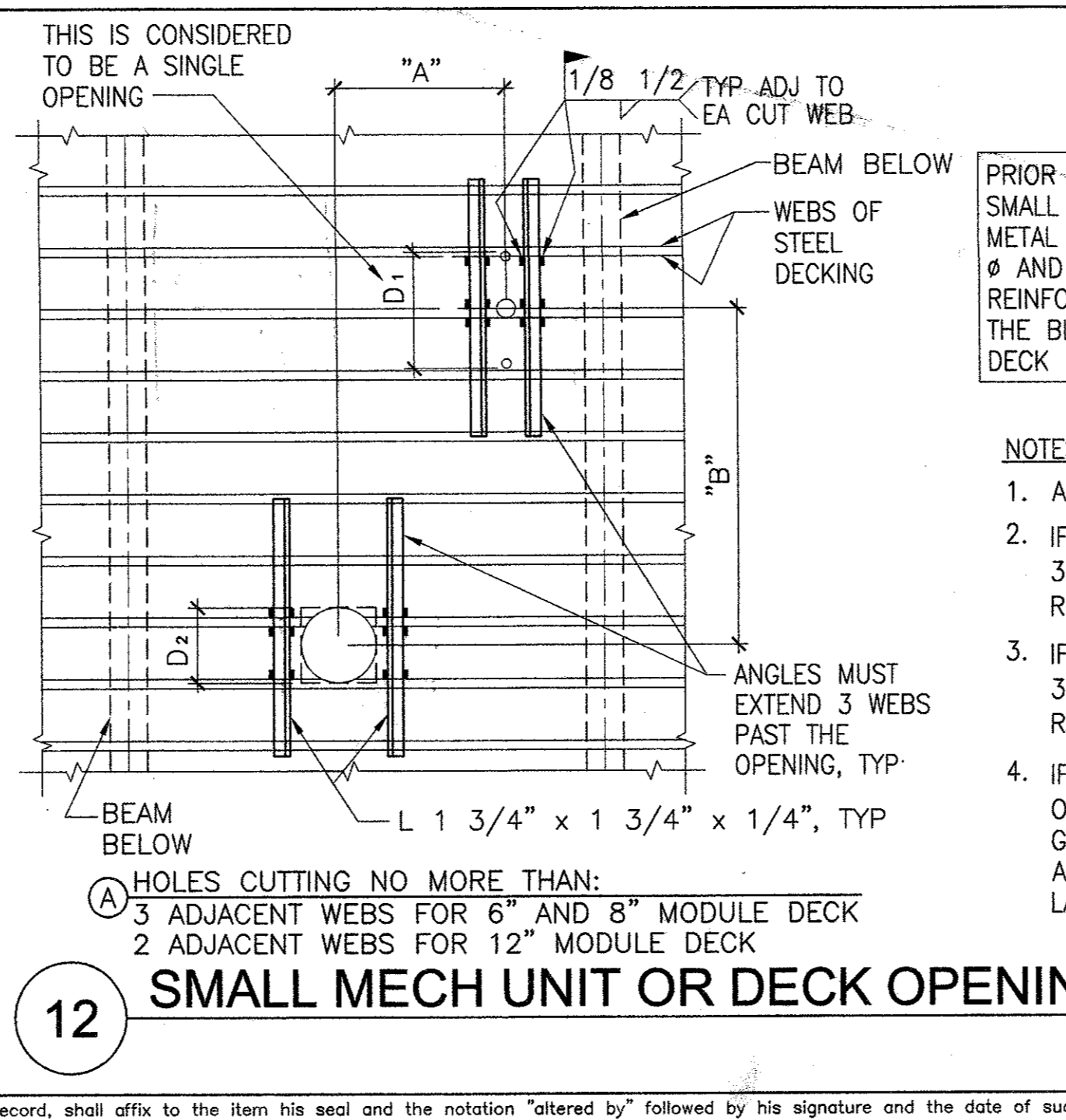
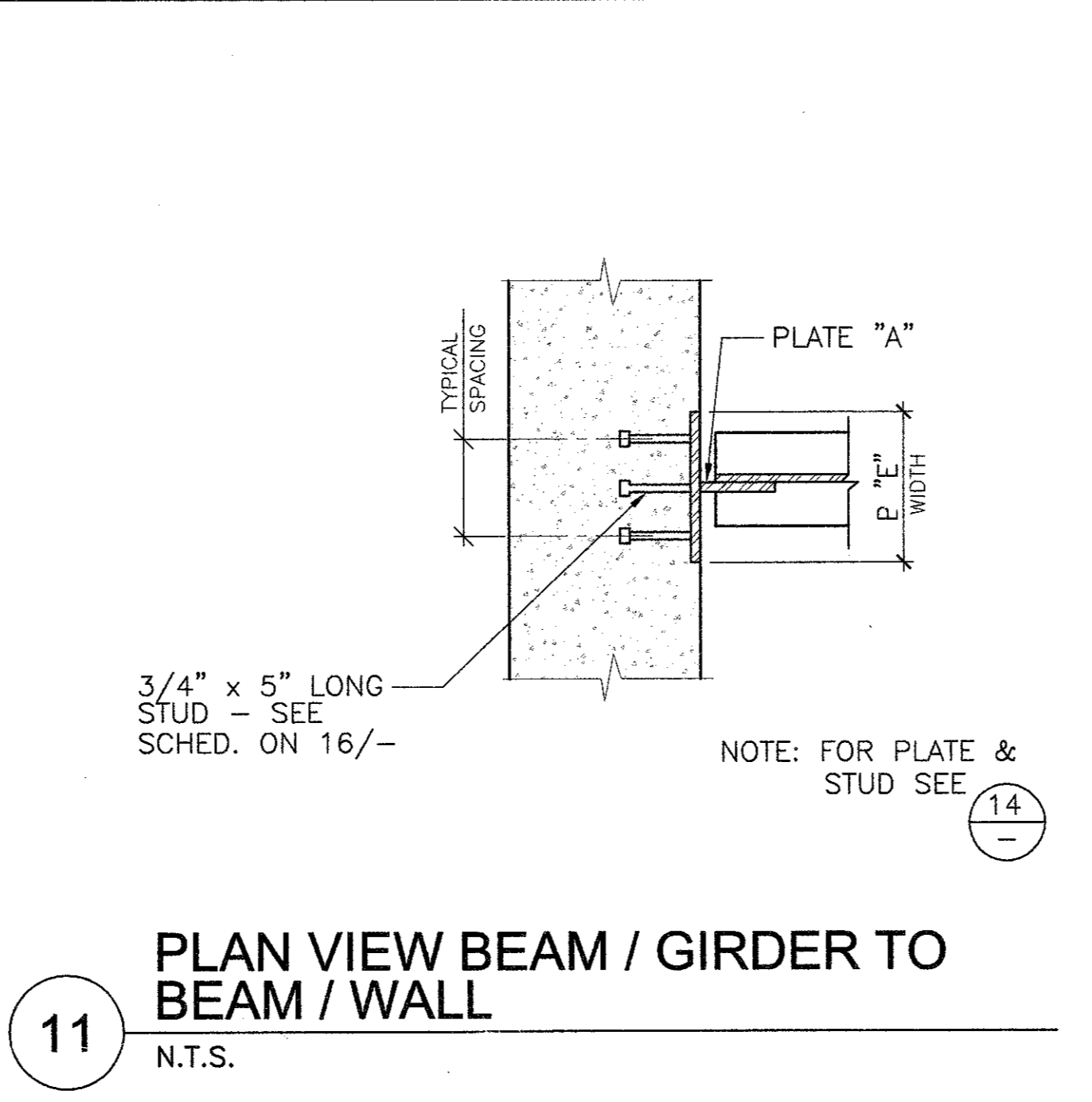
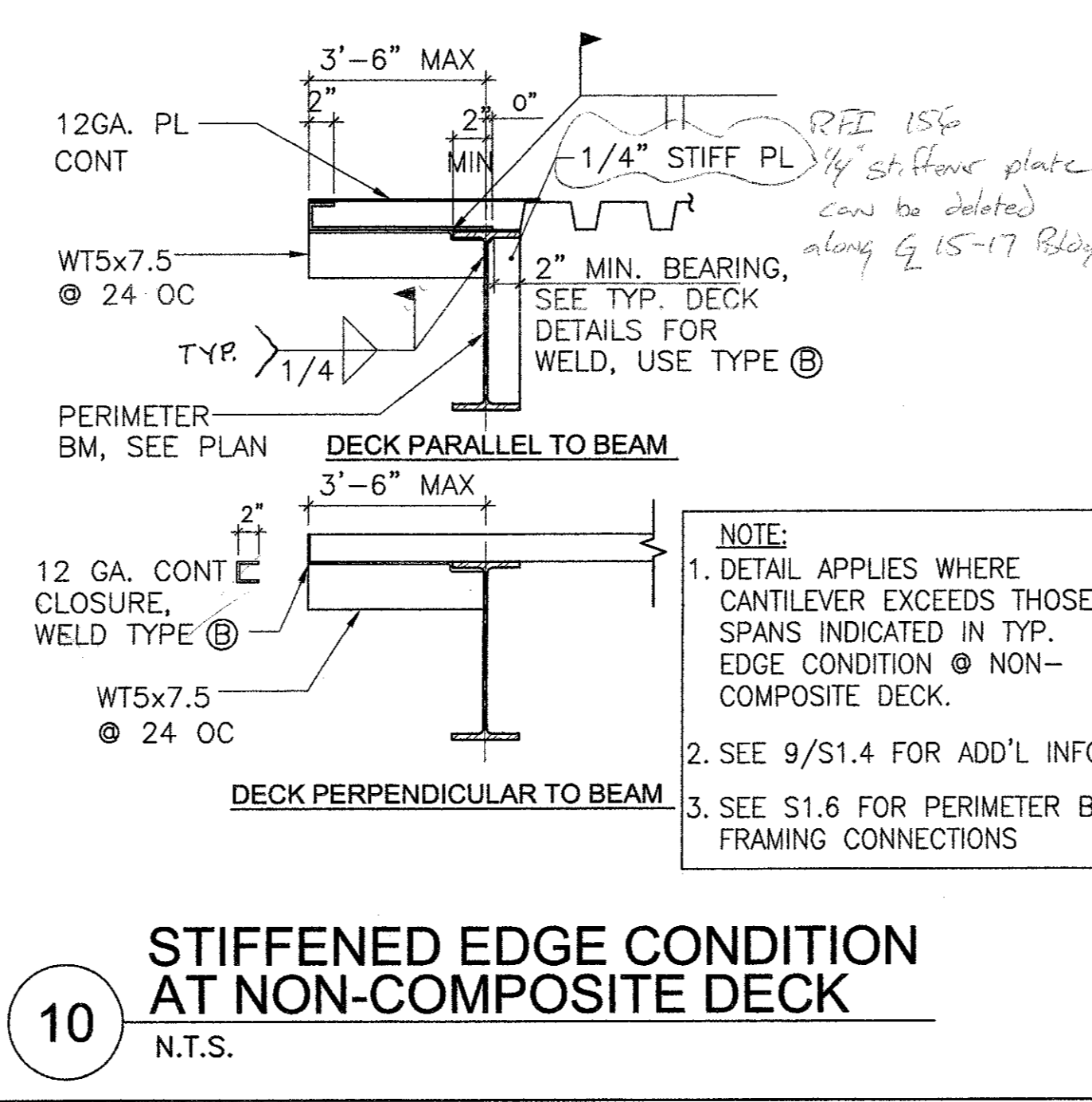
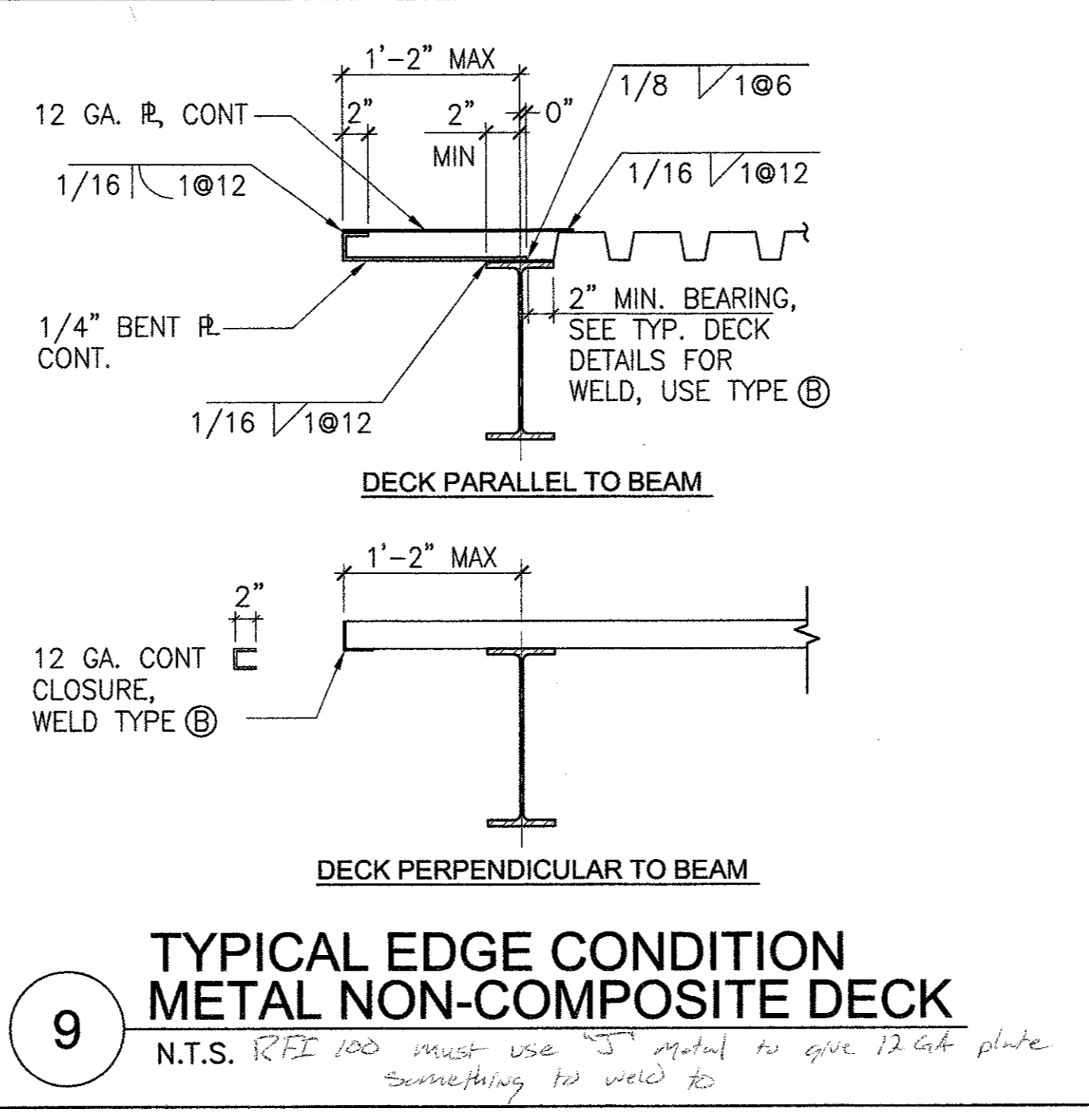
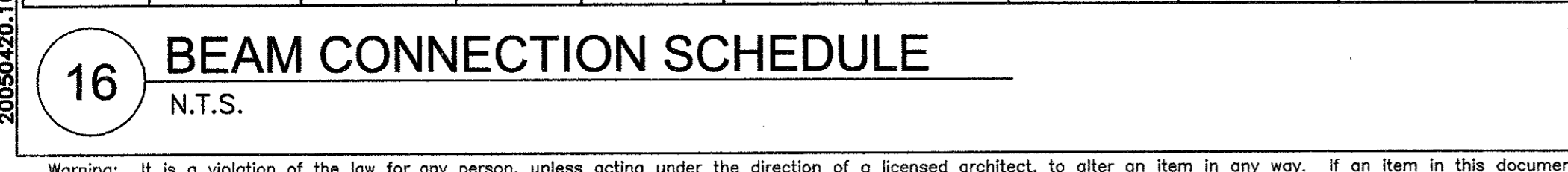


Performance!



BEAM CONNECTION SCHEDULE

BEAM/GIRDER SIZE	PLATE "A" THICKNESS INCH	PLATE "E" THICKNESS INCHES	PLATE "E" WIDTH INCHES	PLATE "E" DEPTH INCHES	WELD t INCH	NO. OF H.S. ASTM A-325-N 3/4" DIA. BOLTS	STUD DIAMETER INCH	NO. OF 8" LONG STUDS WELDED TO PLATE "E"	HORIZ. STUD SPACING	VERTICAL STUD SPACING
W8	3/8	1/2	10	10	1/4"	2	3/4	4(2-ROWS)	6"	6"
W10	3/8	3/4	10	12	1/4"	3	3/4	4(2-ROWS)	6"	8"
W12	3/8	3/4	10	14	1/4"	3	3/4	6(2-ROWS)	6"	5 1/2"
W14	3/8	3/4	12	16	1/4"	3	3/4	6(2-ROWS)	9"	6 1/2"
W16	3/8	3/4	12	18	5/16"	4	3/4	6(2-ROWS)	9"	7 1/2"
W18	3/8	3/4	12	18	3/8"	5	3/4	6(2-ROWS)	9"	7 1/2"
W21	3/8	3/4	12	21	3/8"	6	3/4	8(2-ROWS)	9"	6"
W24	3/8	3/4	12	24	3/8"	7	3/4	8(2-ROWS)	9"	7"
TS7X	3/8	5/8	8	8	1/4"	-	3/4	4(2-ROWS)	5"	5"



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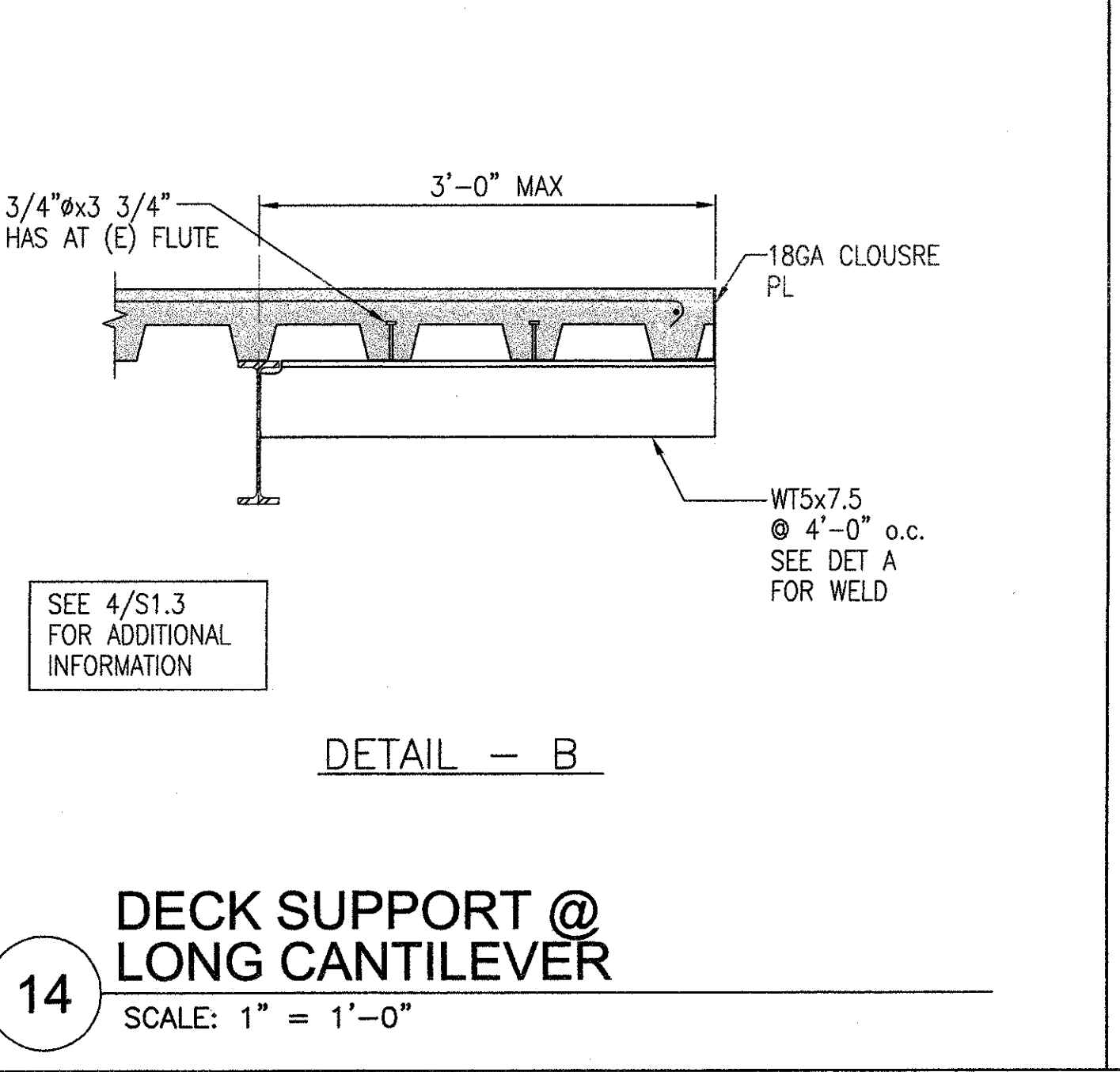
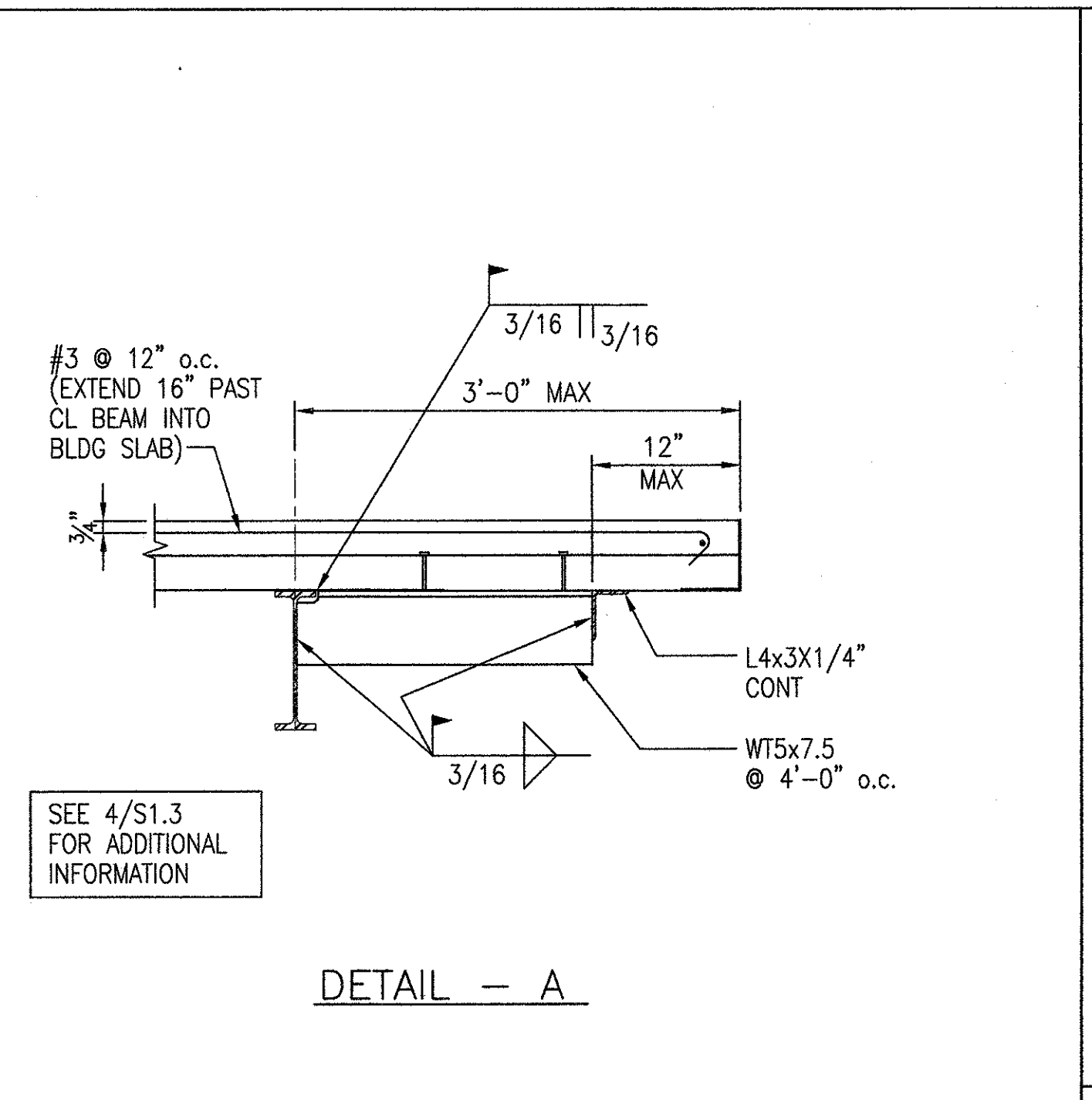
ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE: TYPICAL DETAILS
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SHEET NUMBER

REVIEW SET

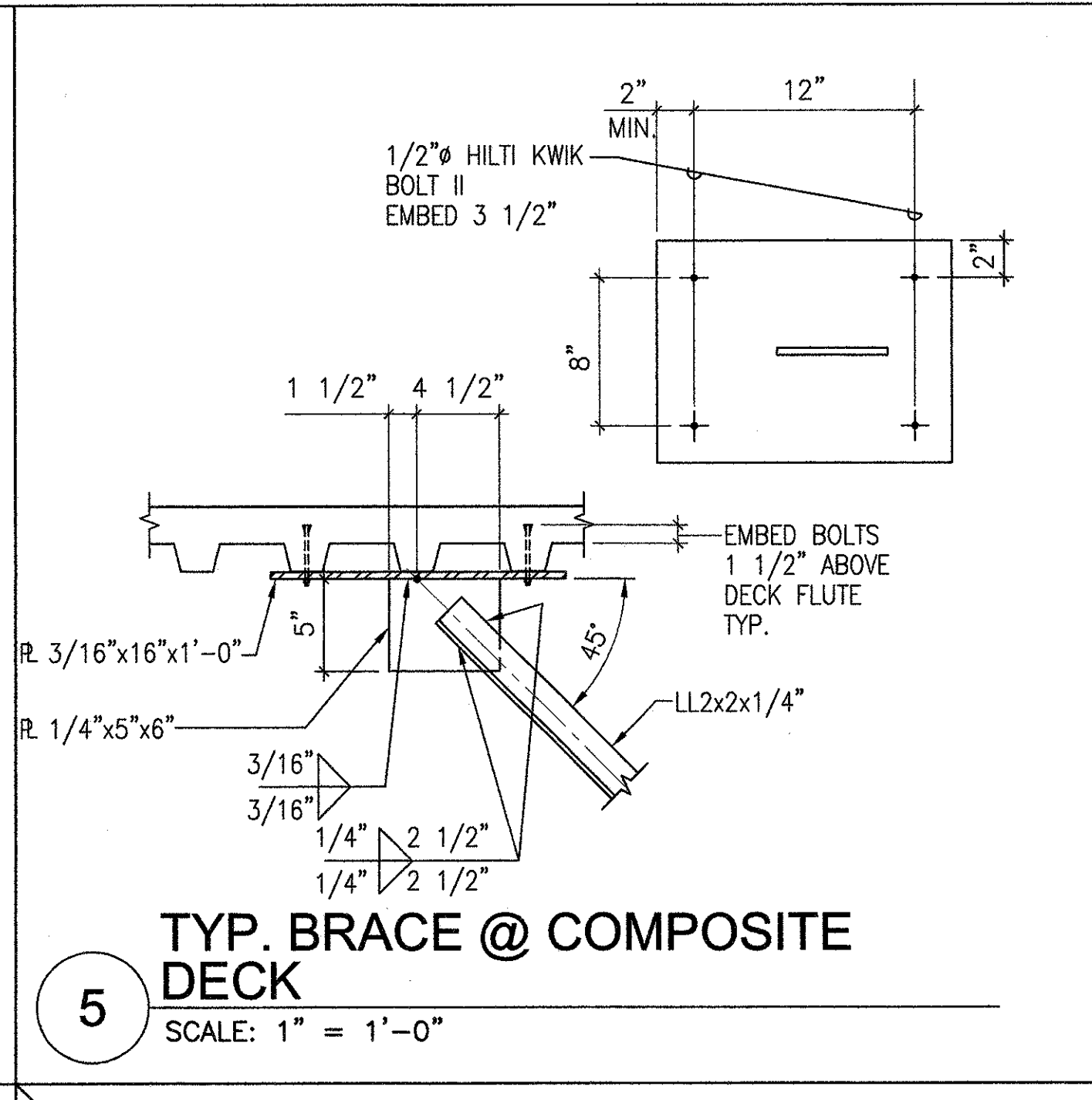
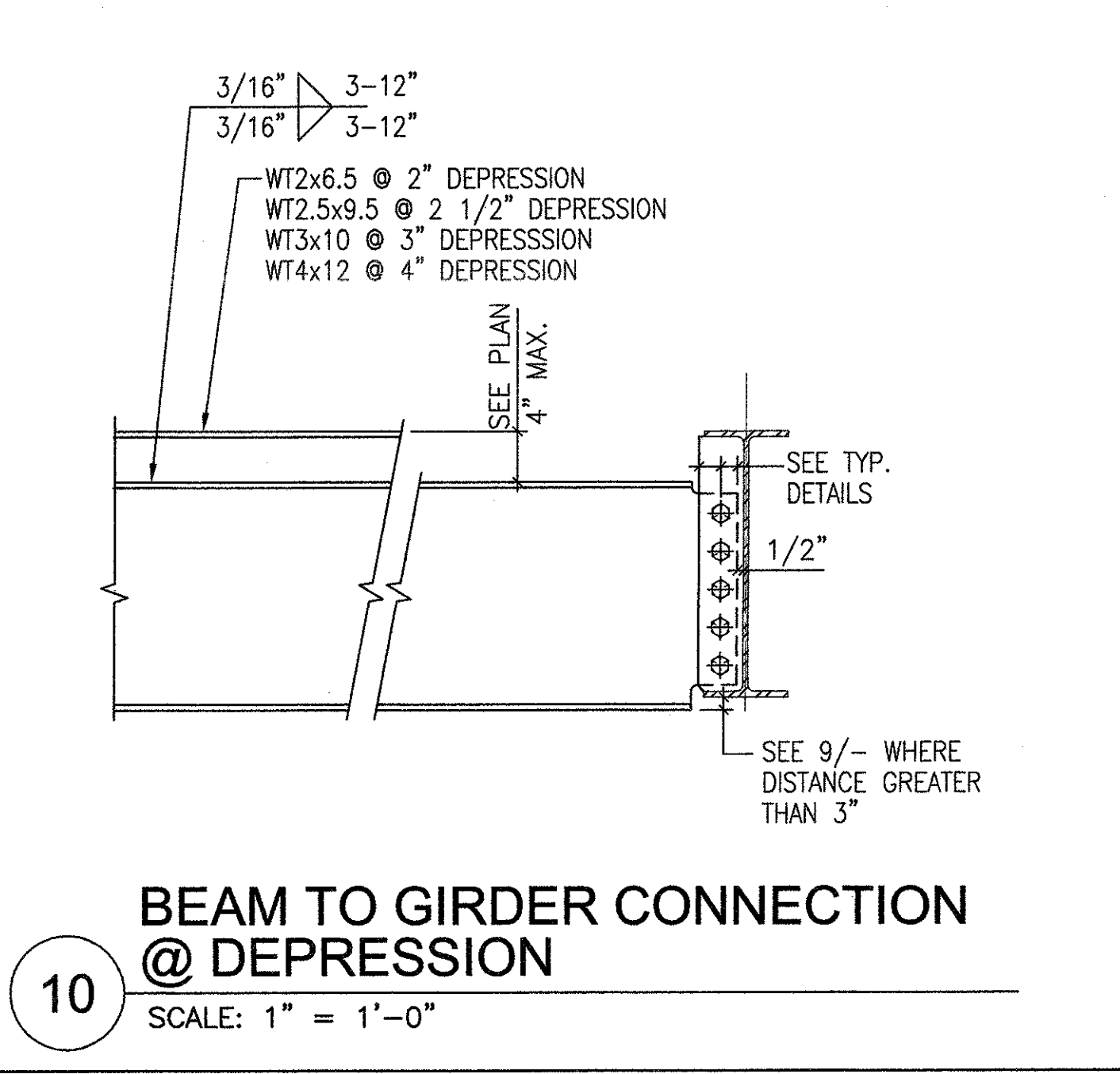
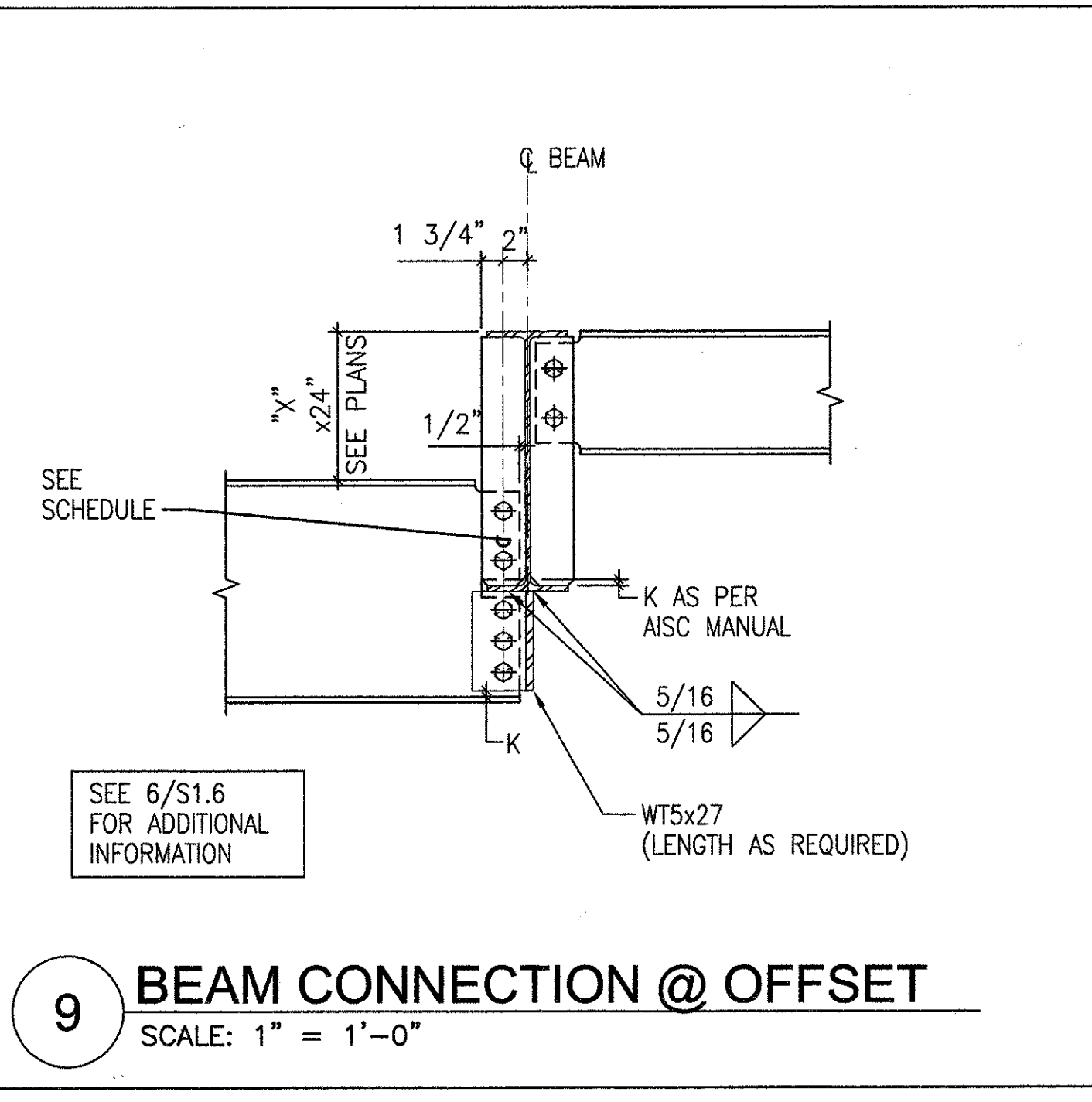
S1.4

NOT USED

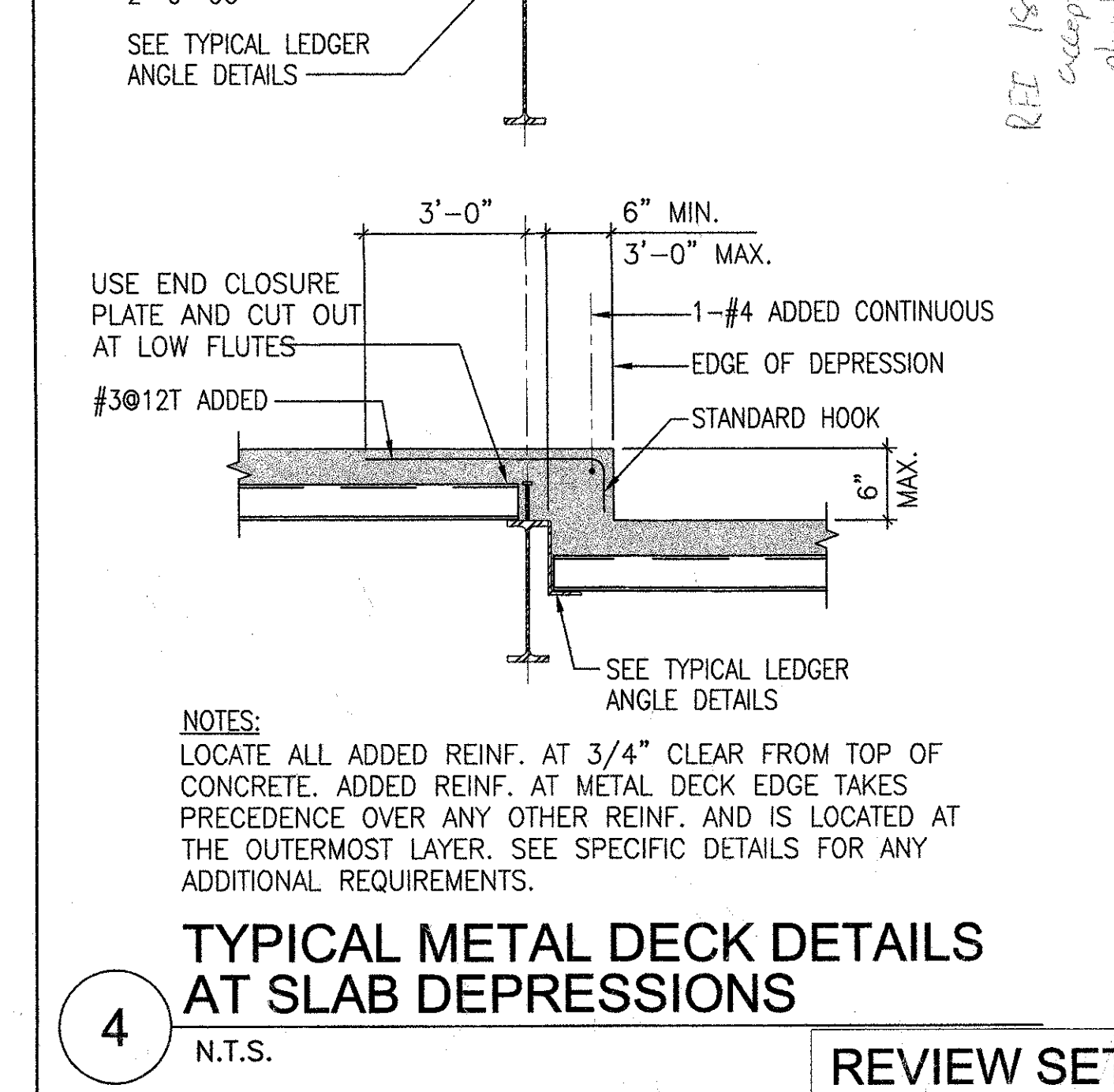
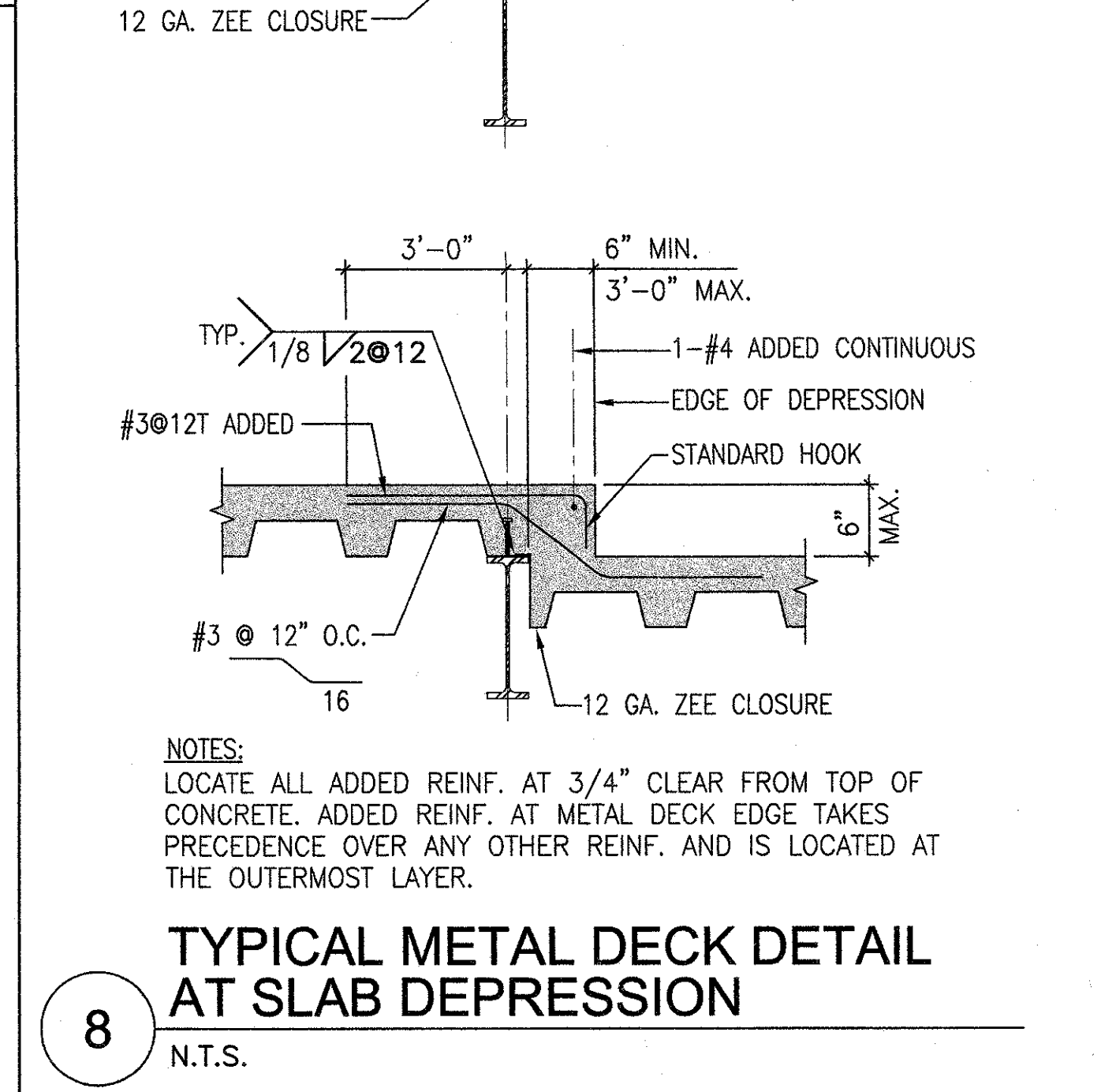
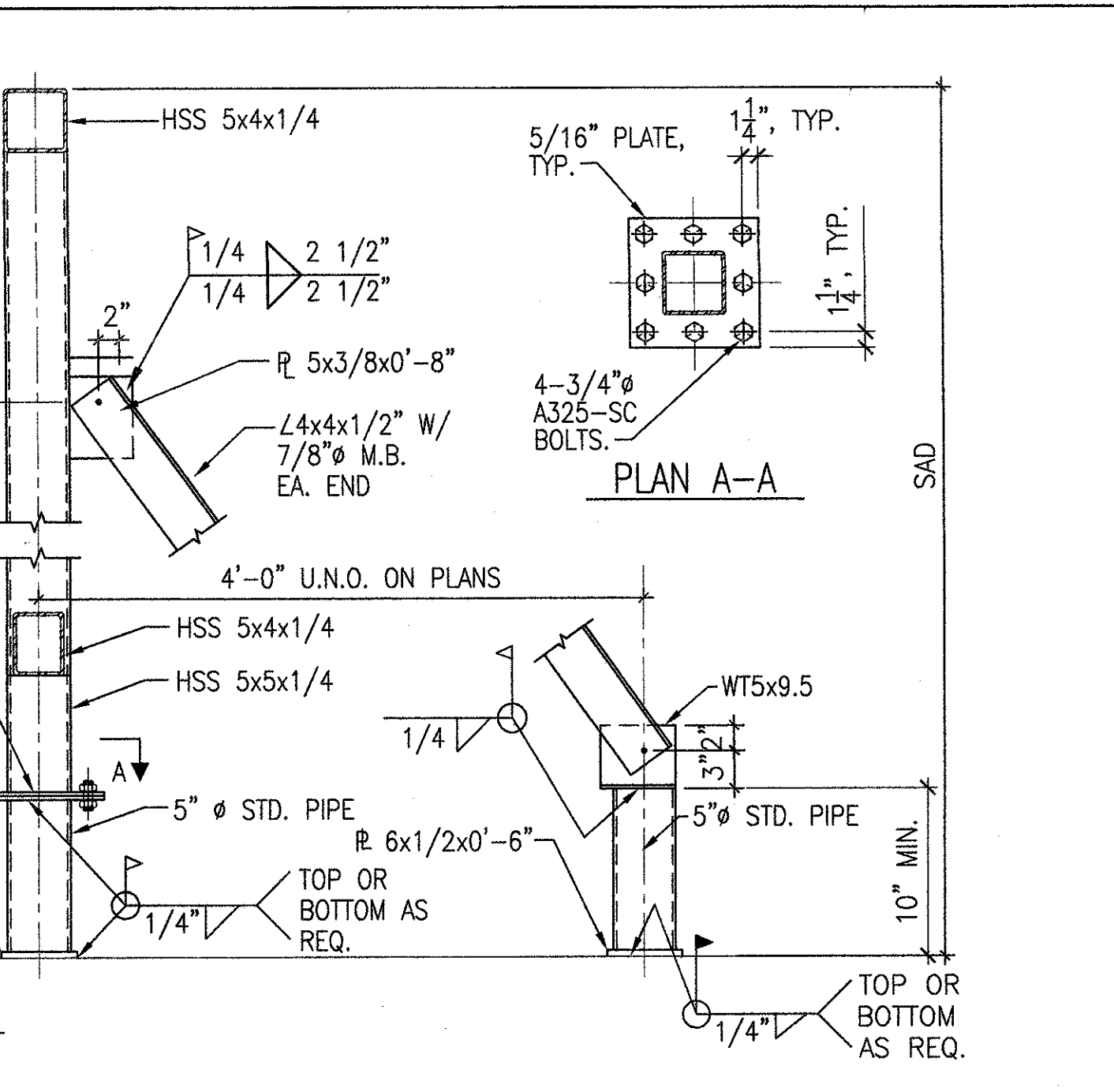
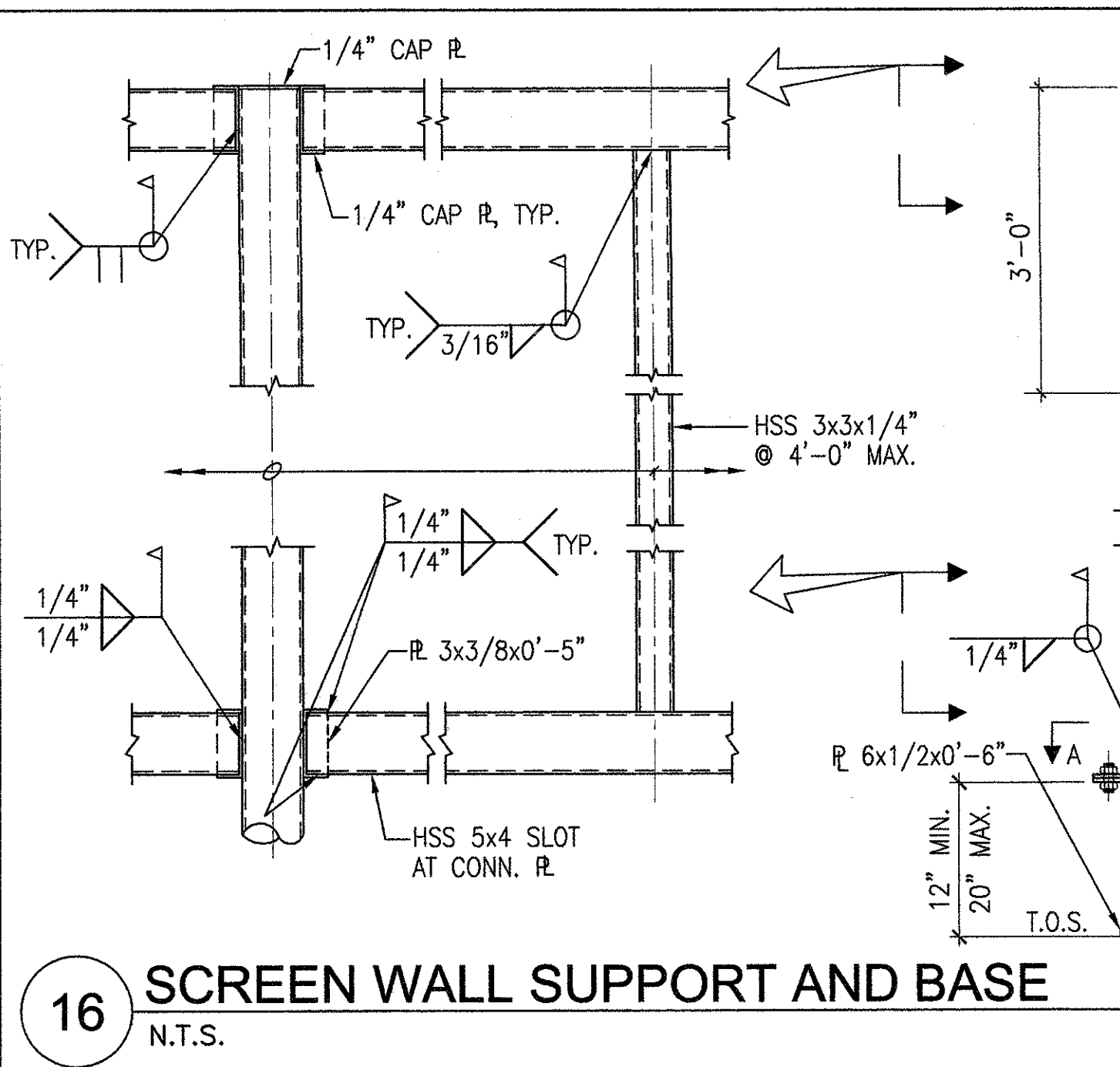
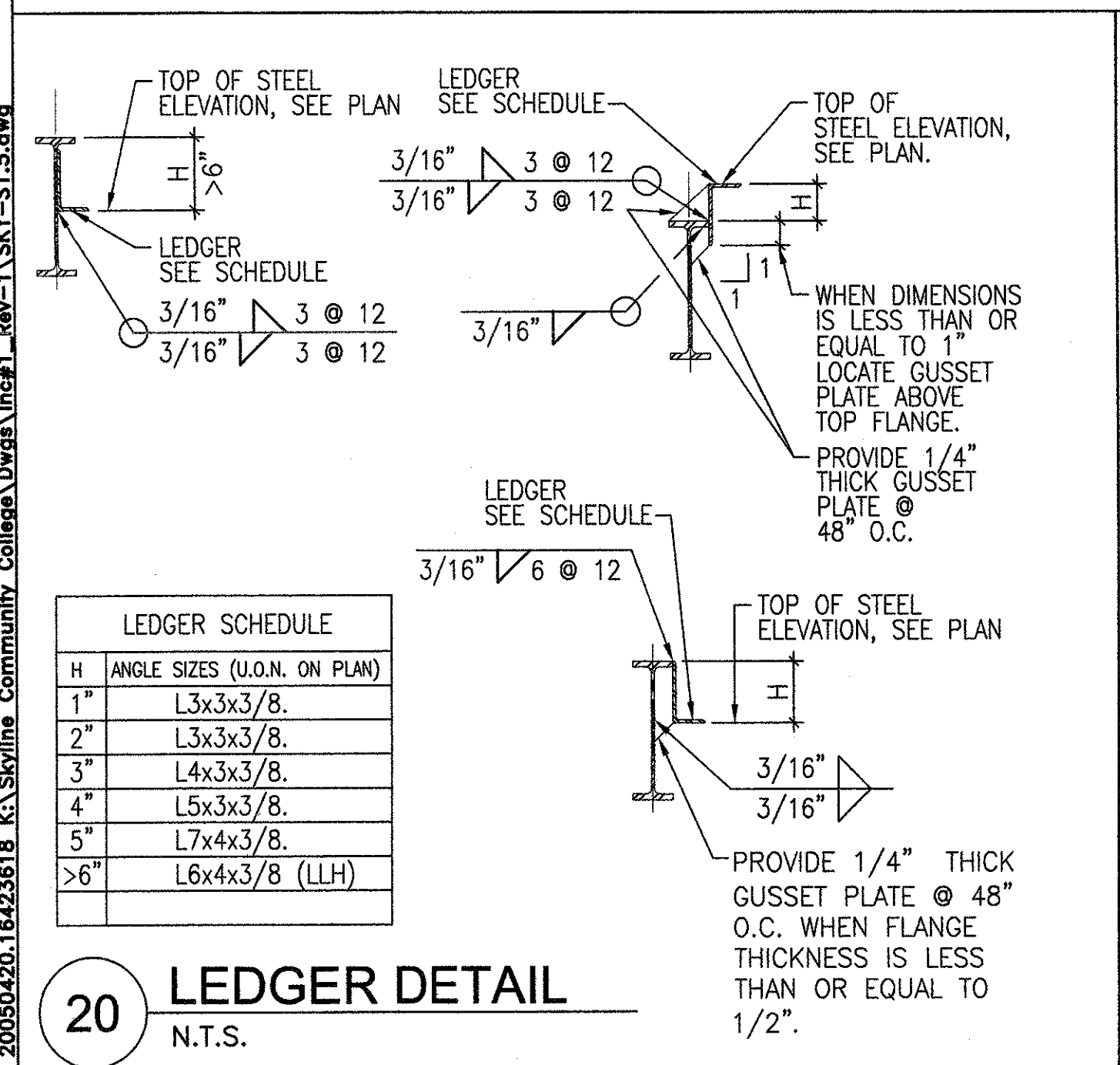
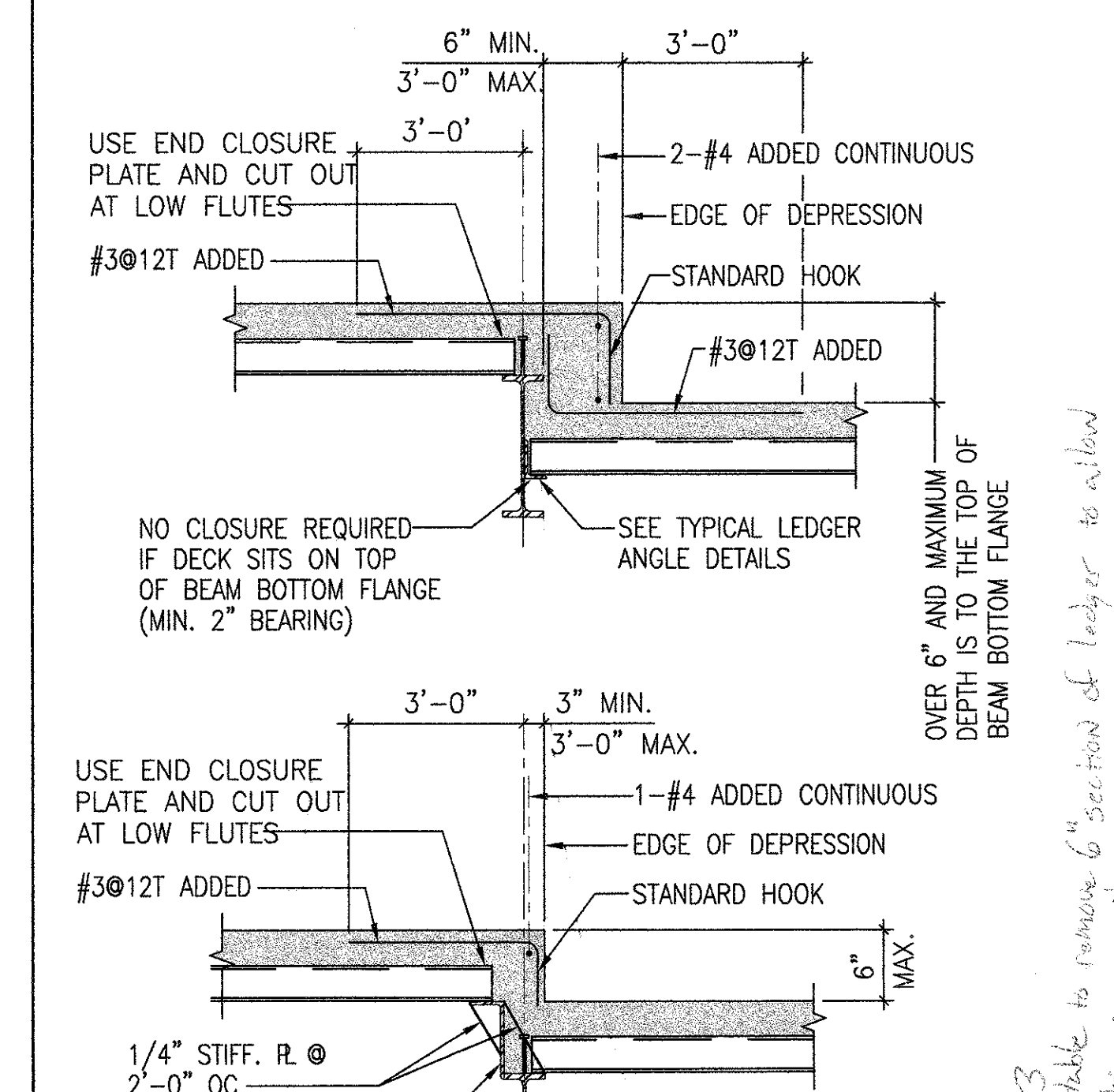
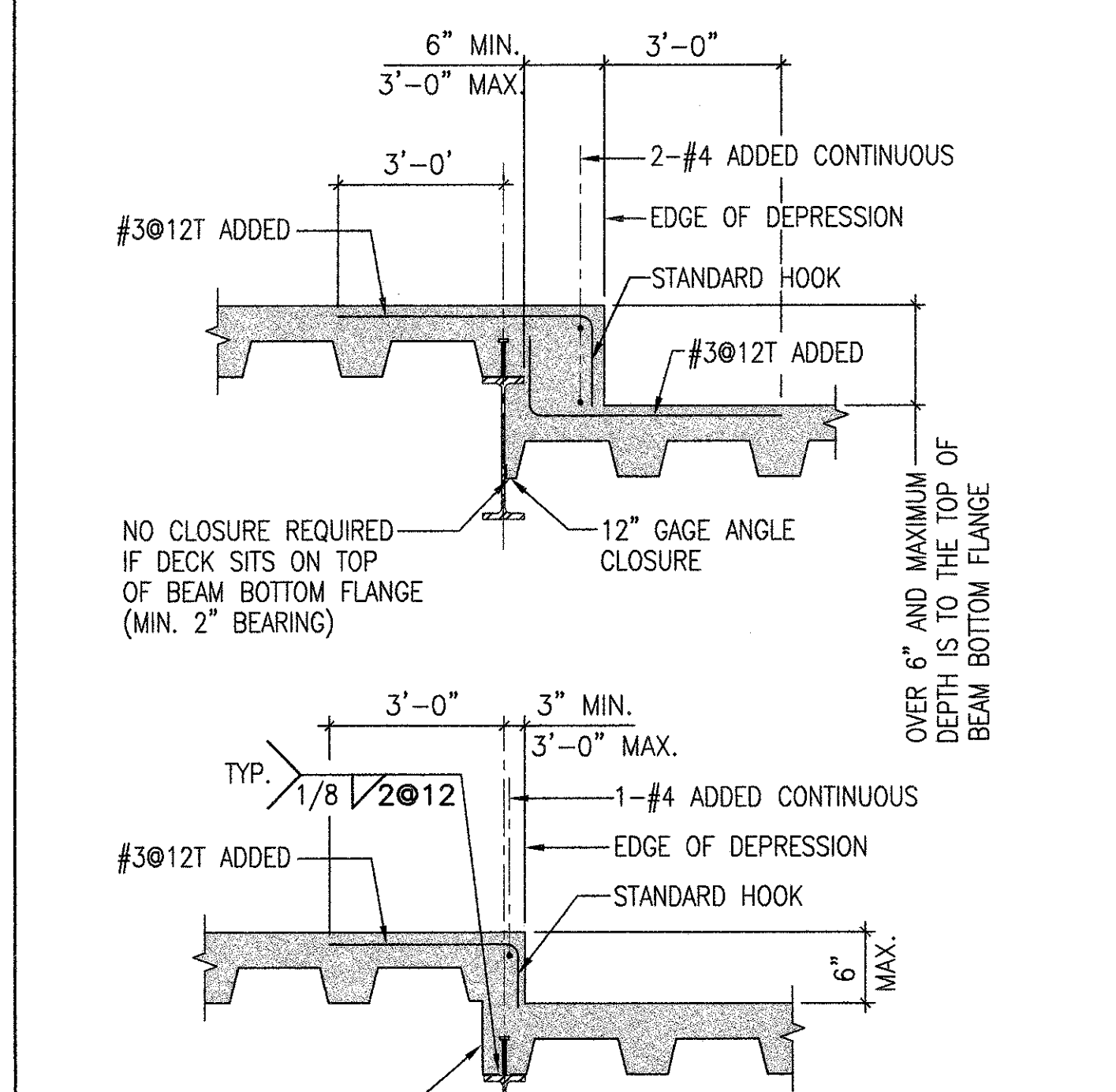
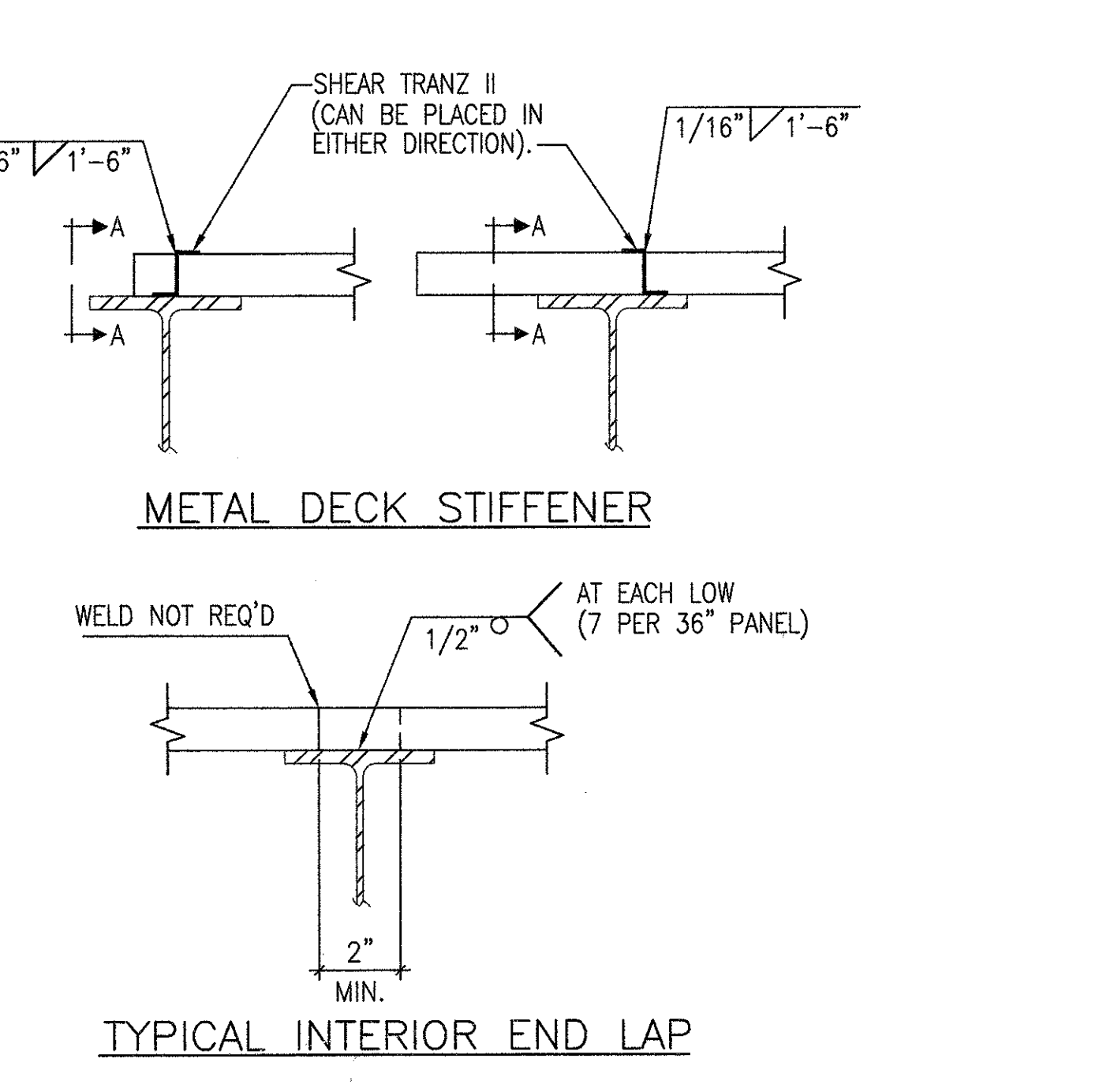
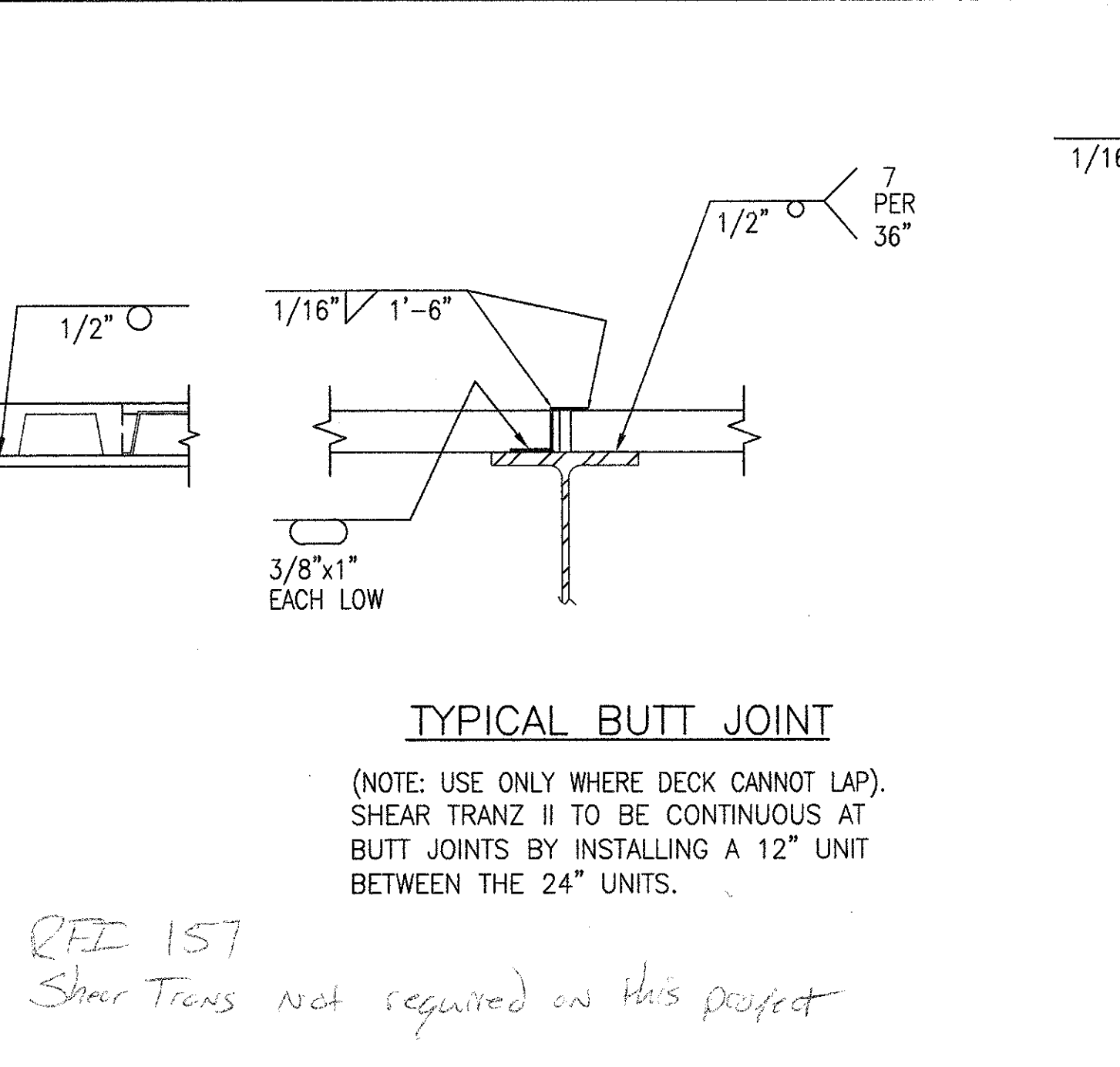
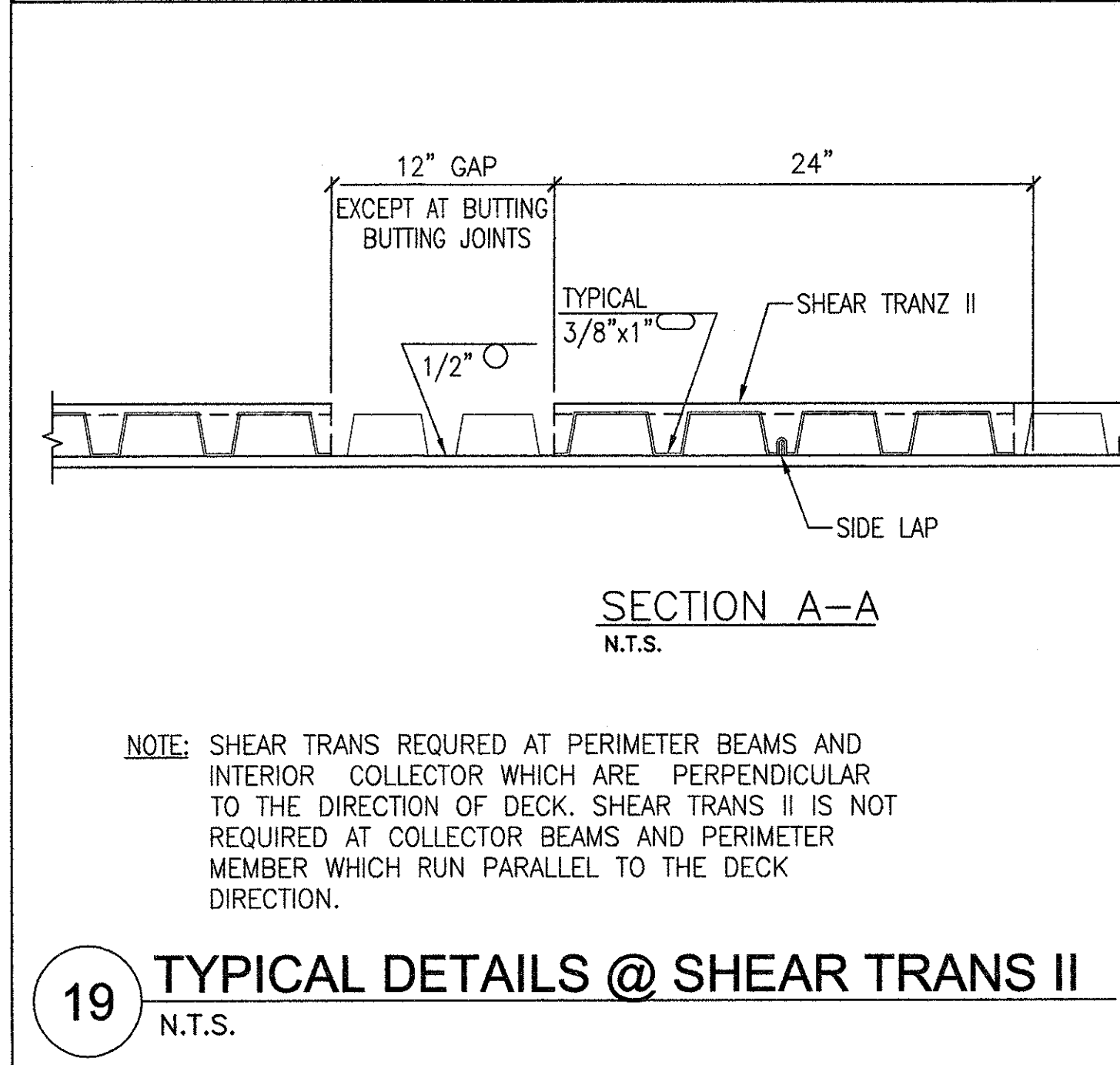
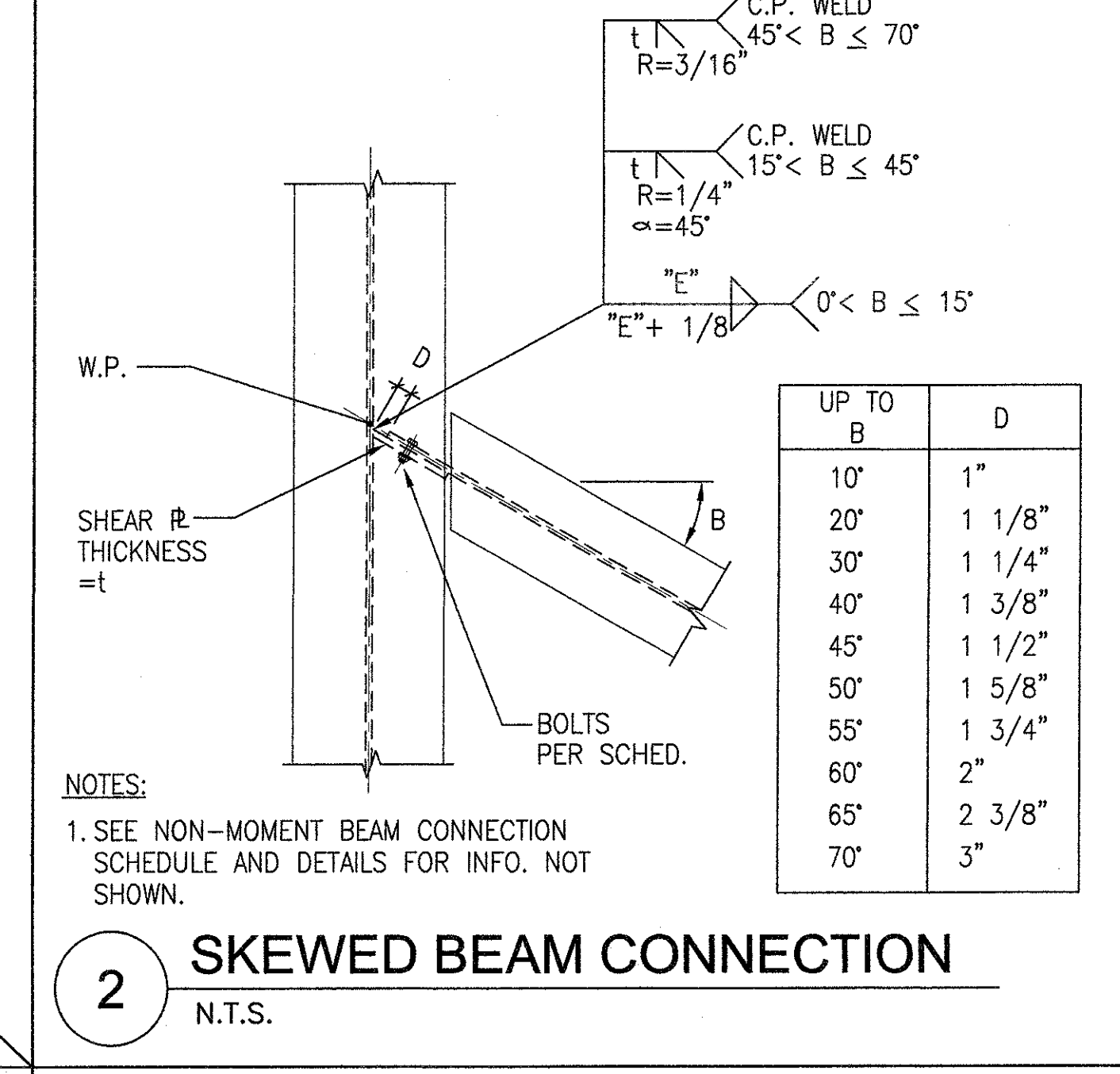
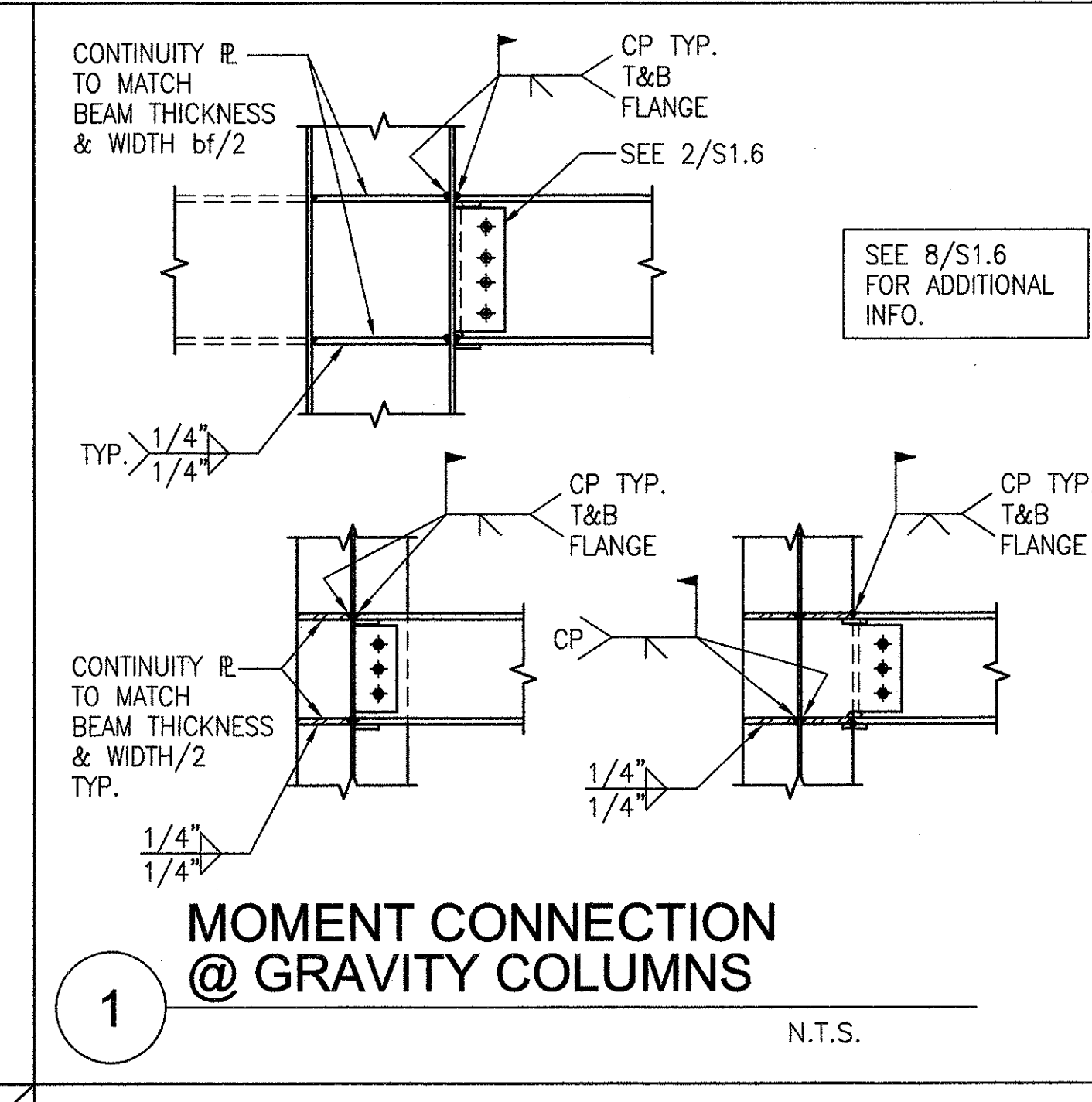


14

DECK SUPPORT @ LONG CANTILEVER
SCALE: 1" = 1'-0"



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INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE
TYPICAL STEEL DETAILS

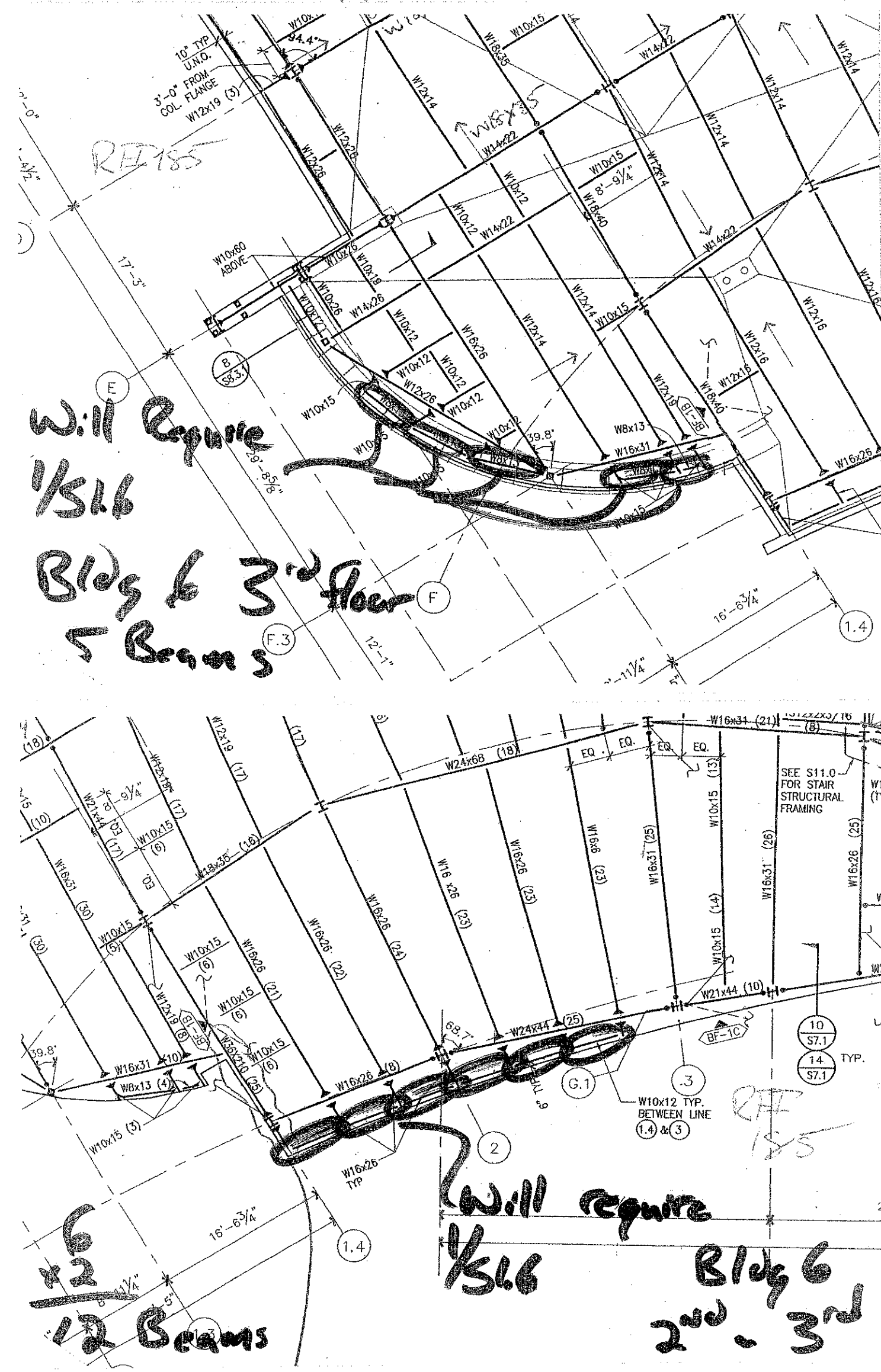
DATE: 10.21.04
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SHEET NUMBER

REVIEW SET **S1.5**

Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

Question
Please verify that detail 10 on sheet S1.6 of Increment One drawings is to occur on only one side of the beam. If not please provide locations.

Answer
Here is more clarification on Detail 10/S1.6:
...//...
1. At one side of all building perimeter beams
...//...
2. At one side of all openings of stairs & elevators
...//...
3. At interior locations on any one side of frame beams with not more than 10'-0" o.c. to laterally brace the top and bottom flange of frame beams. As shown on plan drawings, one lateral bracing beam will be always provided at center of brace-frame beam where braces intersect. As shown on plan drawing SB2.03 gridline 6, one lateral bracing beam will be always provided on any one side, at center of special moment frame beam and at 3'-0" away from special moment frame column-flanges.
...//...
Tejas, Crosby Group



Hensel Phelps Construction Co.
Request For Information

Project # 5504230
3500 College Drive
San Bruno, CA 94066

Date Created: 11/10/05 Date Required: 11/10/05

Author: Dan Decker, Lescaue, Omt, Dodge

Authoring Firm: Hensel Phelps Construction Co.
3500 College Drive
San Bruno, CA 94066

Subject: Bolts at Moment Connection of Gravity Columns

Location: Skyline College Building 6 & 7A

Revision: 1

Question:
Detail 1 of sheet S1.5 of Moment Connection at Gravity Columns refers to detail 2 of sheet S1.6 for the type of bolts to be used in the situation, calling out A325-N bolts. However, sheet S1.7 detail 1 specifies a different type of bolt, A490-SC, to be used at Moment Connections.
Please confirm moment connections at gravity columns require the A325-N bolts called out on sheet S1.6 detail 2, and not that called out on sheet S1.7 detail 1.

Answer:
A490-SC bolts per det. 2 of S1.6 are required at moment connections per det. S1.6, except that if the moment connect column happens to be a collector location then det. S1.7 applies. Collector locations are marked with a dark dot on the plan or layout plans. Tejas, Crosby Group.
See comments by Tejas, Crosby Group.

Hensel Phelps Construction Co.
Request For Information

Project # 5504230
3500 College Drive
San Bruno, CA 94066

Date Created: 11/22/05 Date Required: 11/14/2005

Author: Dan Decker, Lescaue, Omt, Dodge

Authoring Firm: Hensel Phelps Construction Co.
3500 College Drive
San Bruno, CA 94066

Subject: Bolts at Moment Connection of Gravity Columns

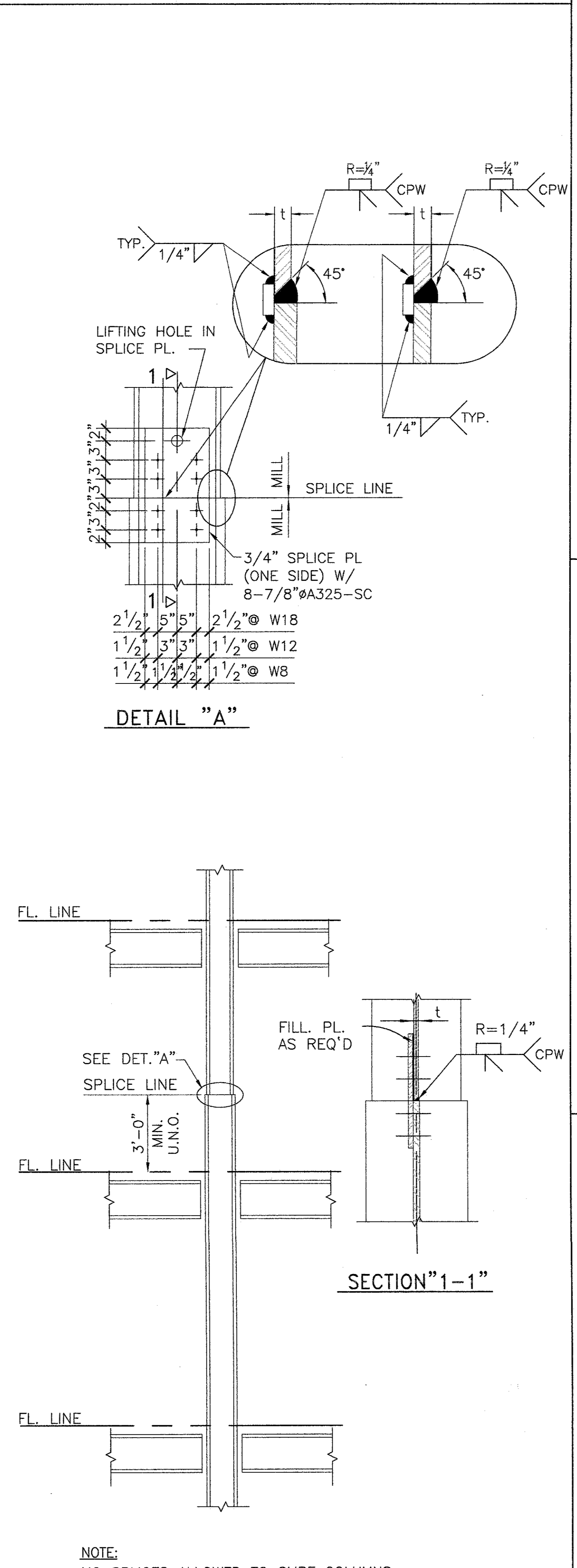
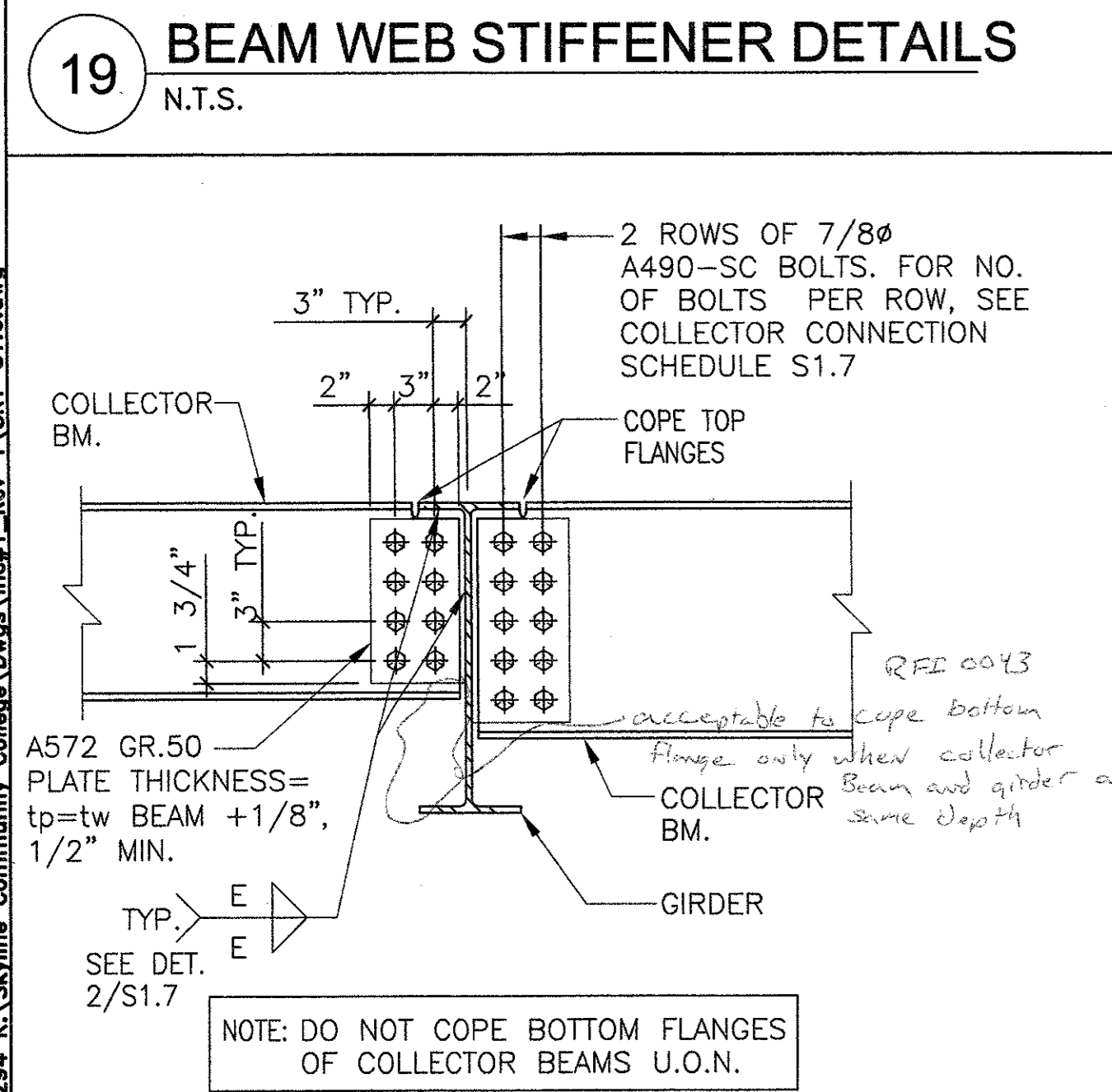
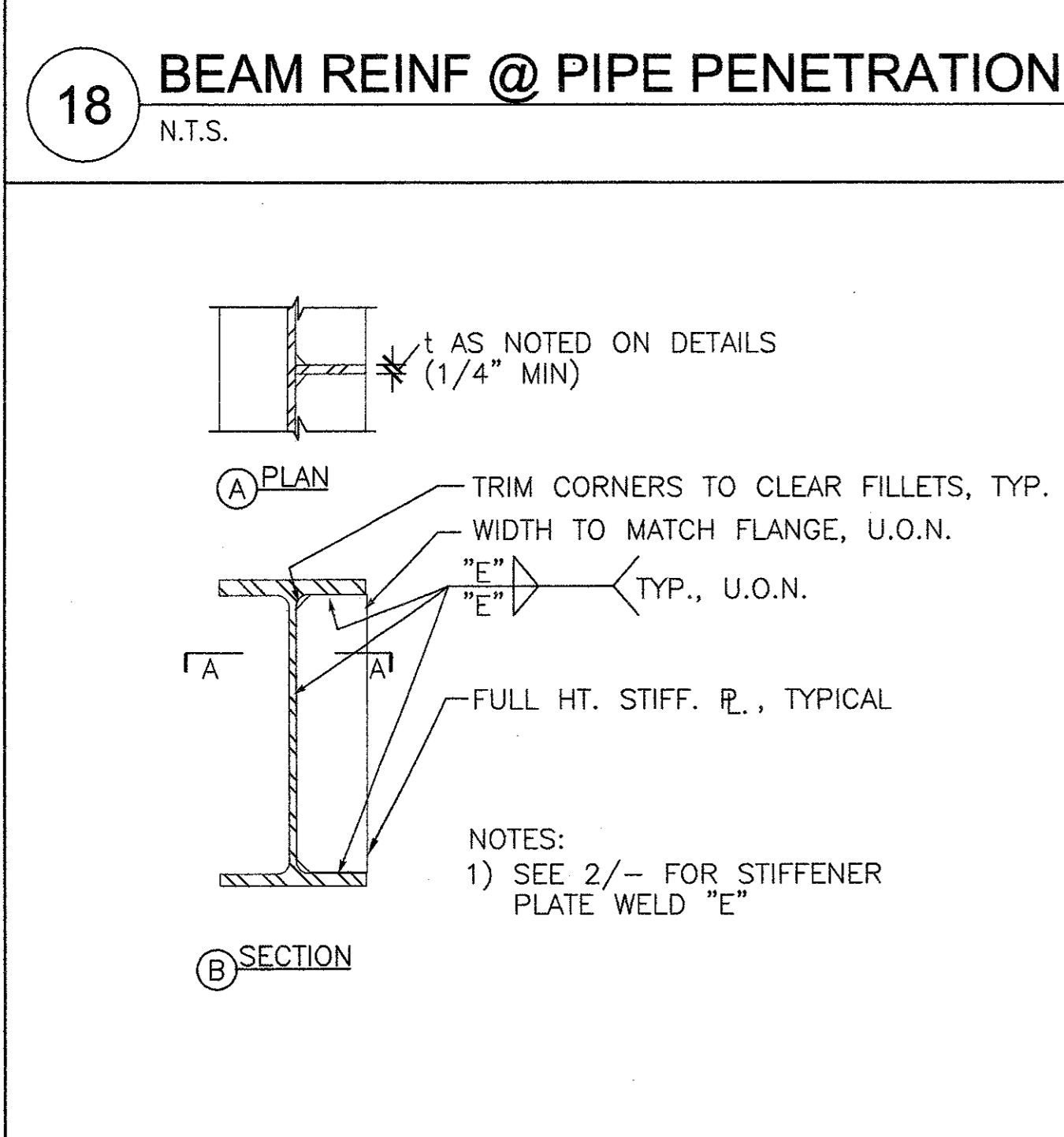
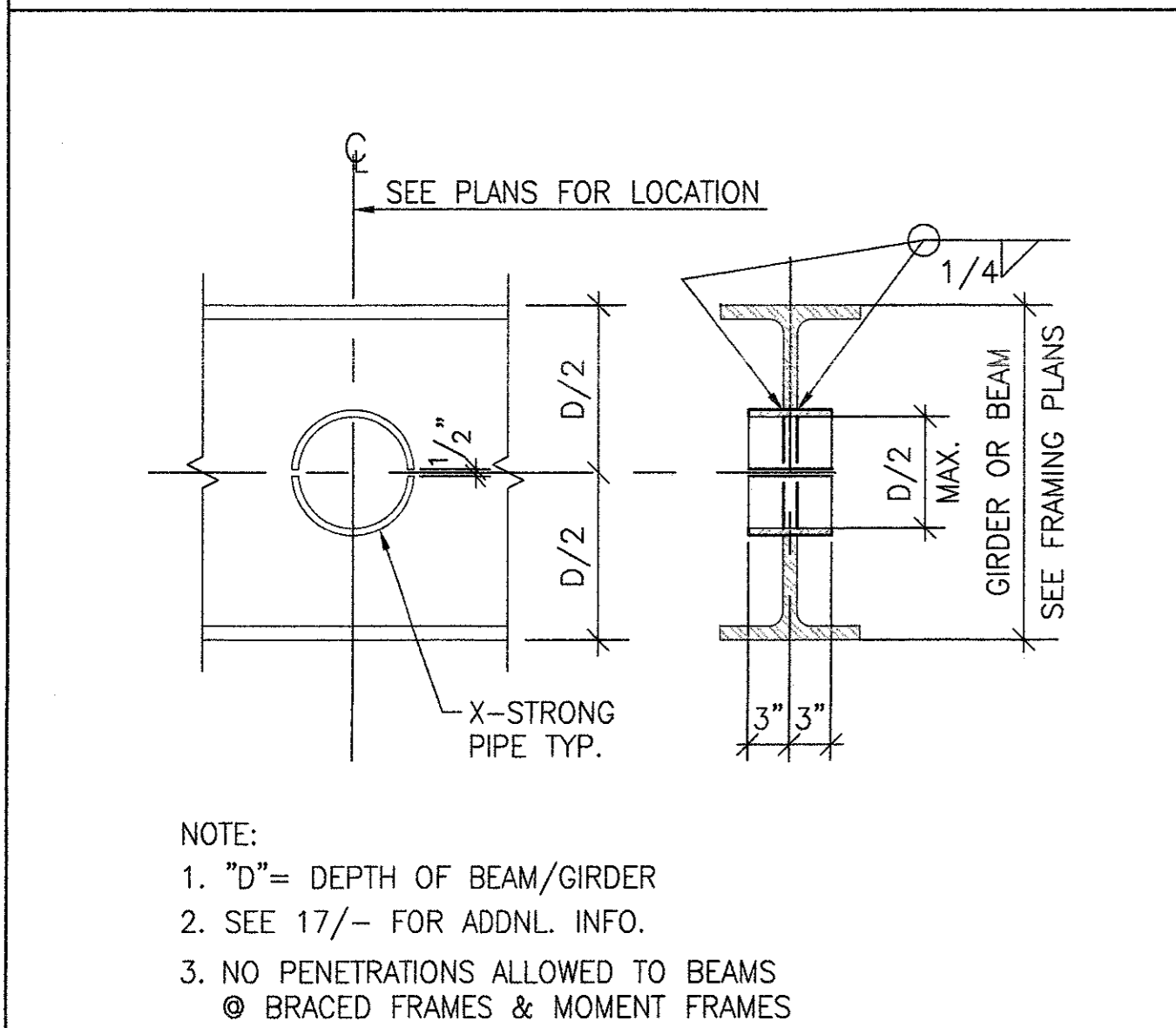
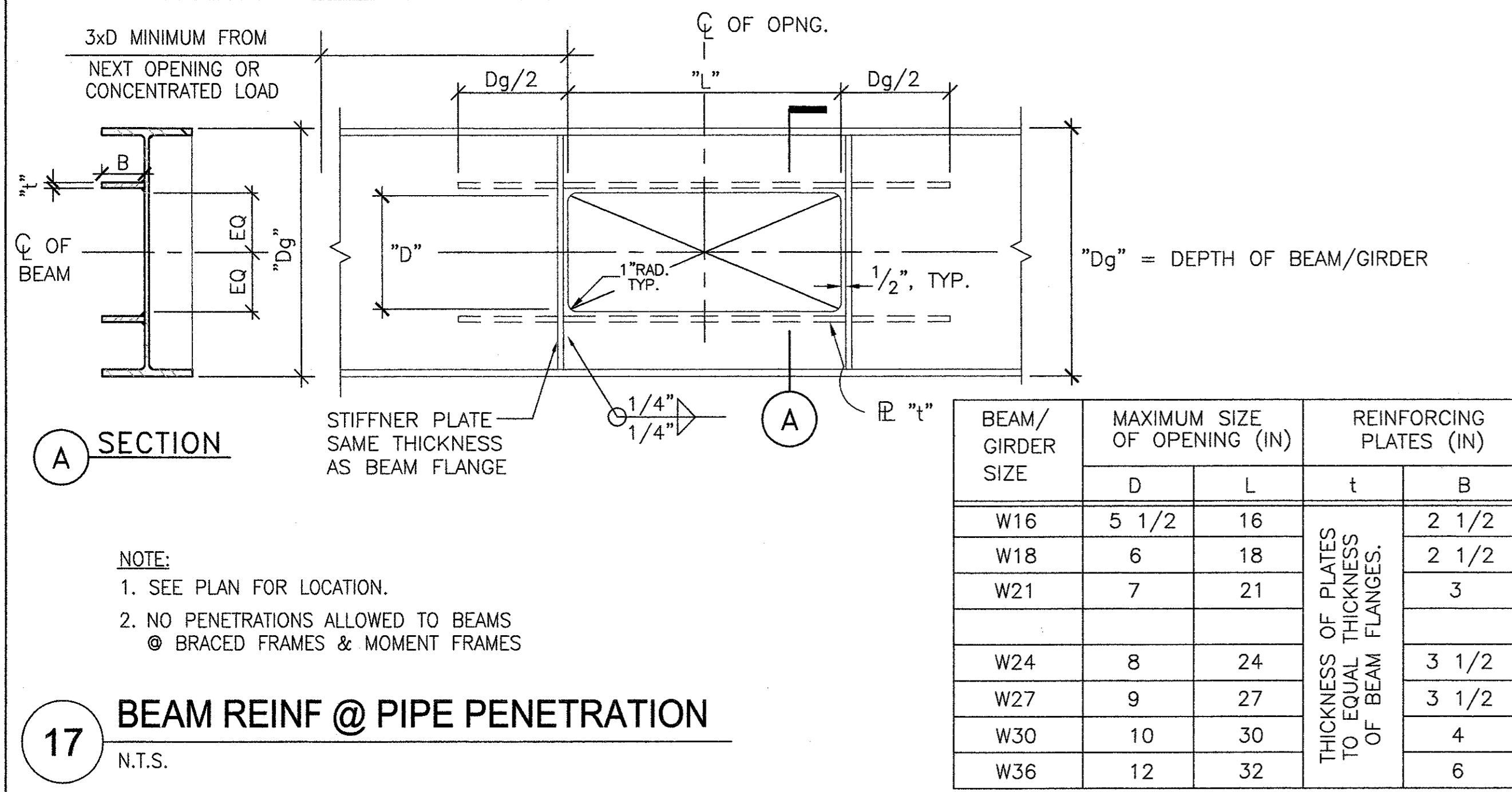
Location: Skyline College Building 6 & 7A

Revision: 1

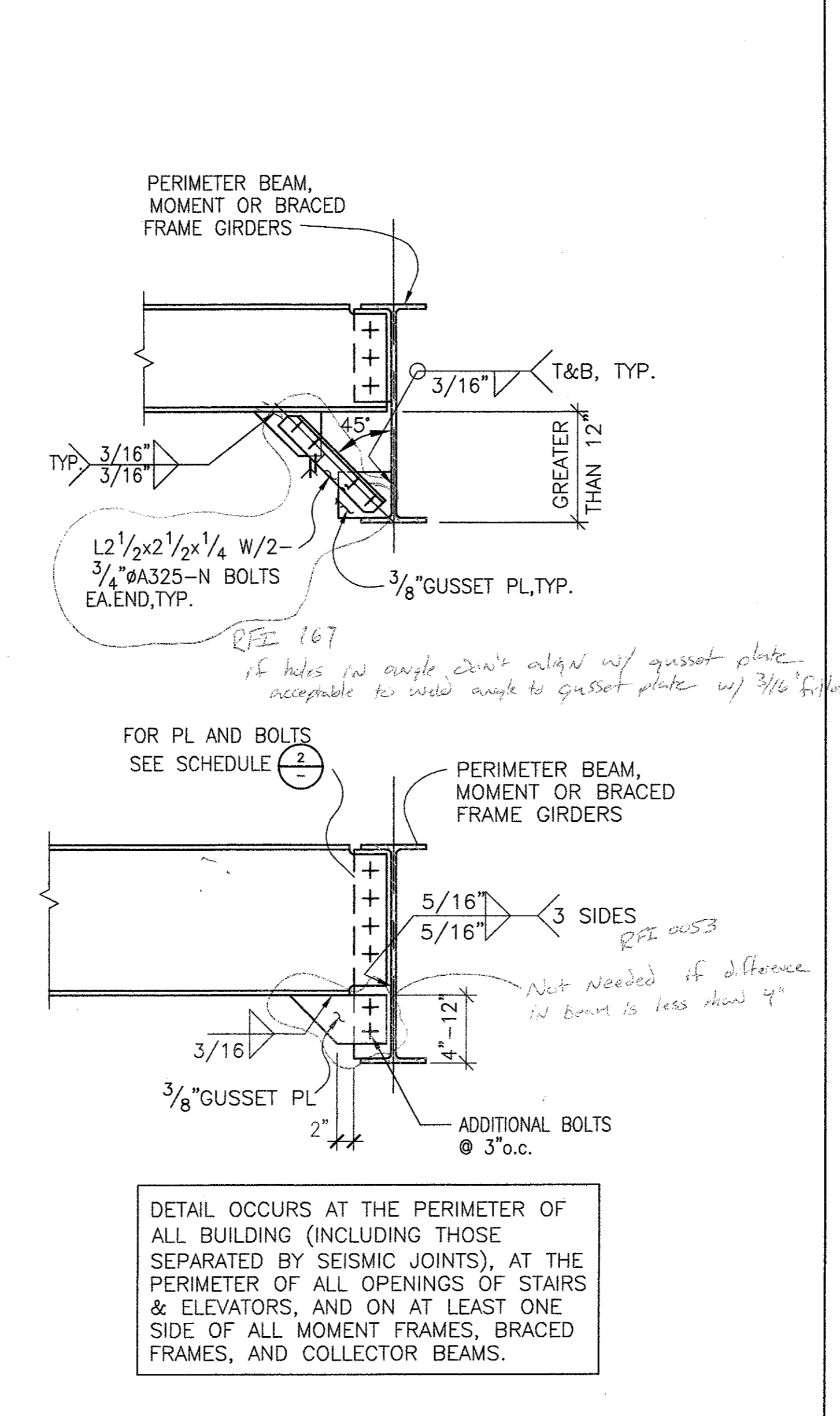
Question:
Reference increment No. 1, sheet S1.5, detail 1, sheet S1.6 detail 2, sheet S1.7 detail 1, and sheet S1.7 detail 1a)
For further clarification the cantilevered beams on building 6 along the perimeter at the mentioned areas are to have a moment connection per detail 1 on S1.5 and using A325 bolts.
Cantilevered beams along gridline "Q" between "1" and "3"
Cantilevered beams along gridline "6" between "1" and "12"
Beams in the "Traverse Wall" along gridline "10" between "11" all-end of 1 and 1 on 2nd and roof level.

Answer:
Confirmed. Tejas, Crosby Group.

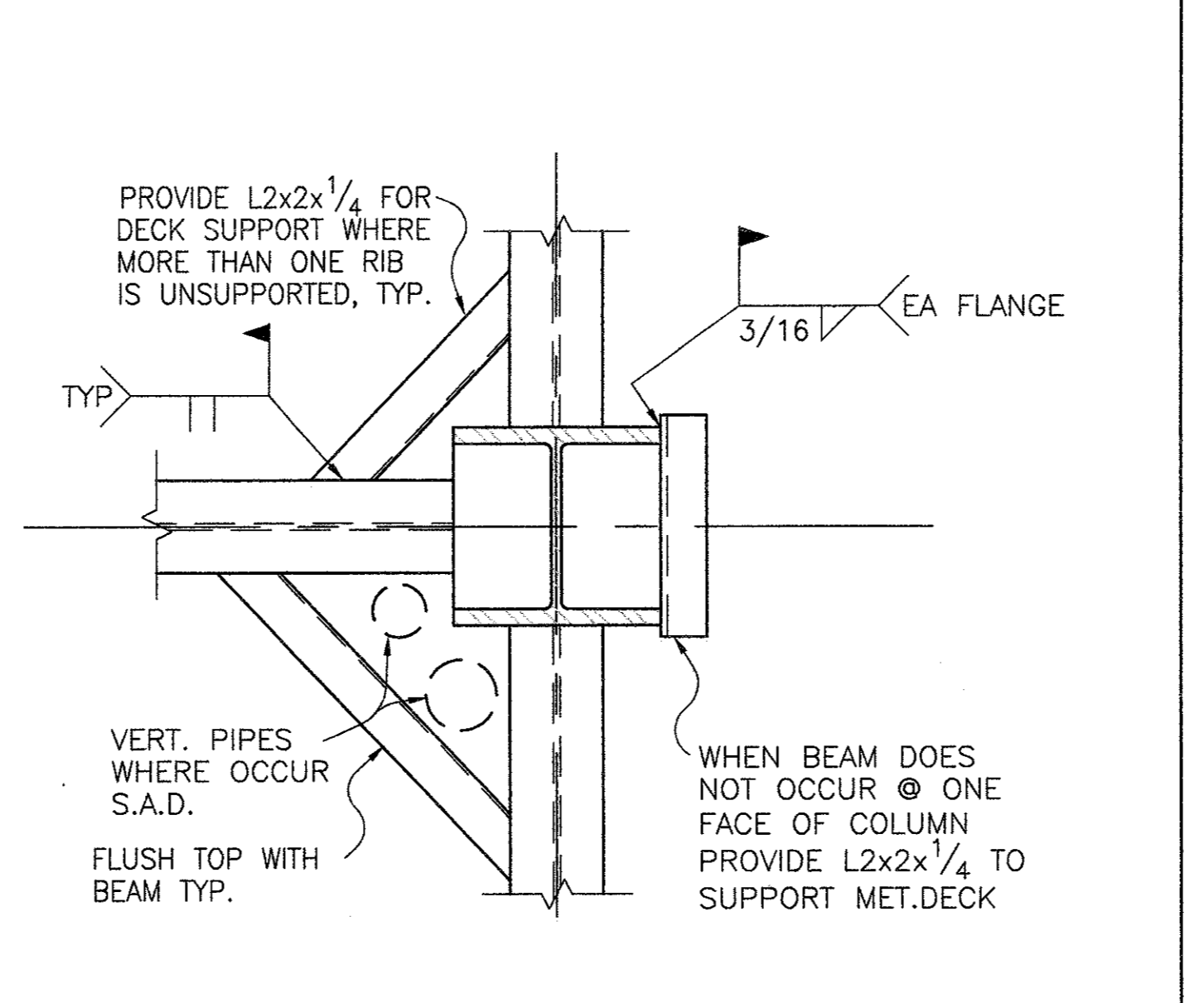




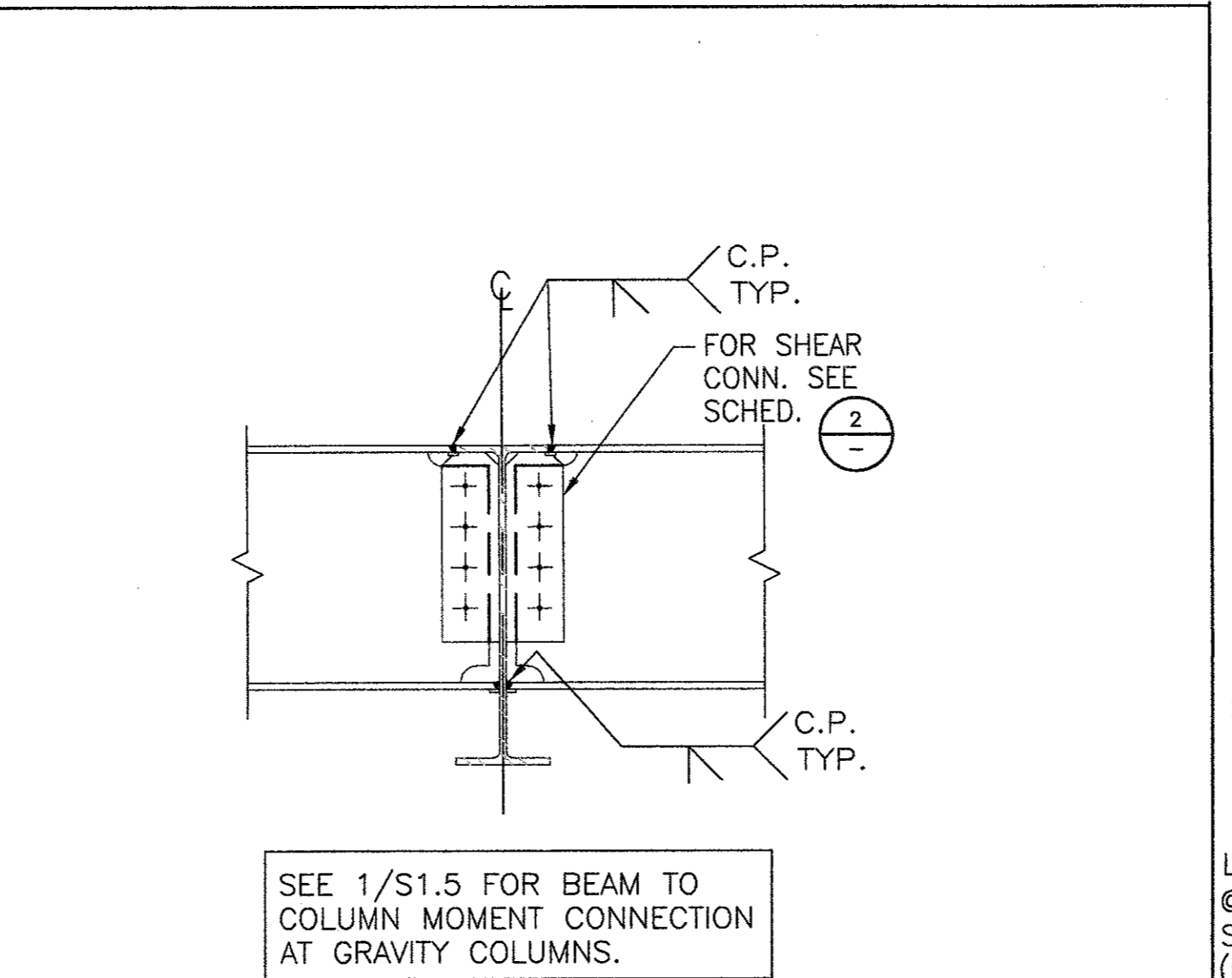
16 TYPICAL COLUMN SPLICE DETAIL
N.T.S.



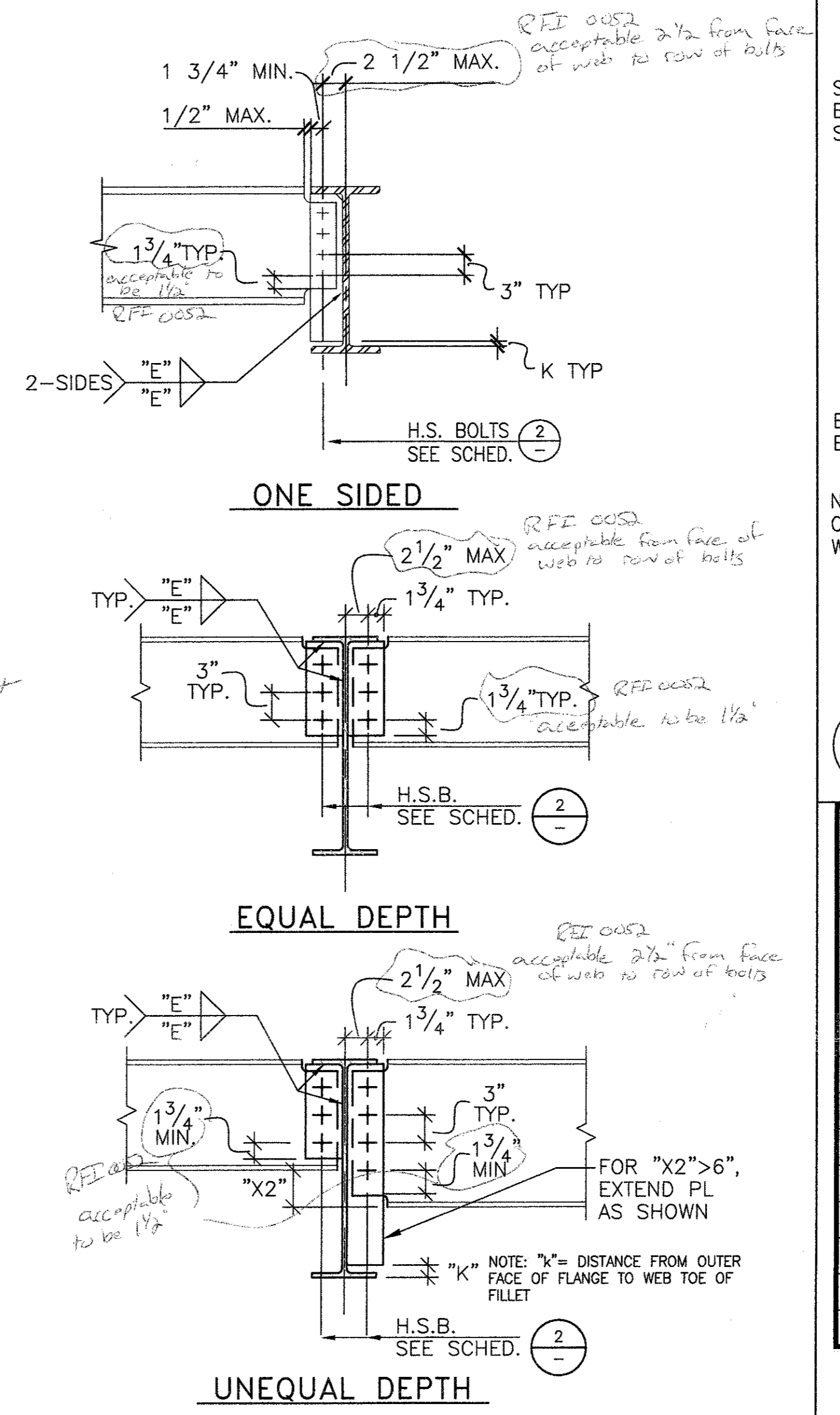
10 BEAM CONN @ PERIMETER BEAMS, MOMENT & BRACED FRAMES & COLLECTOR BEAMS
N.T.S. See back page for RFI 0052 for more info on this detail



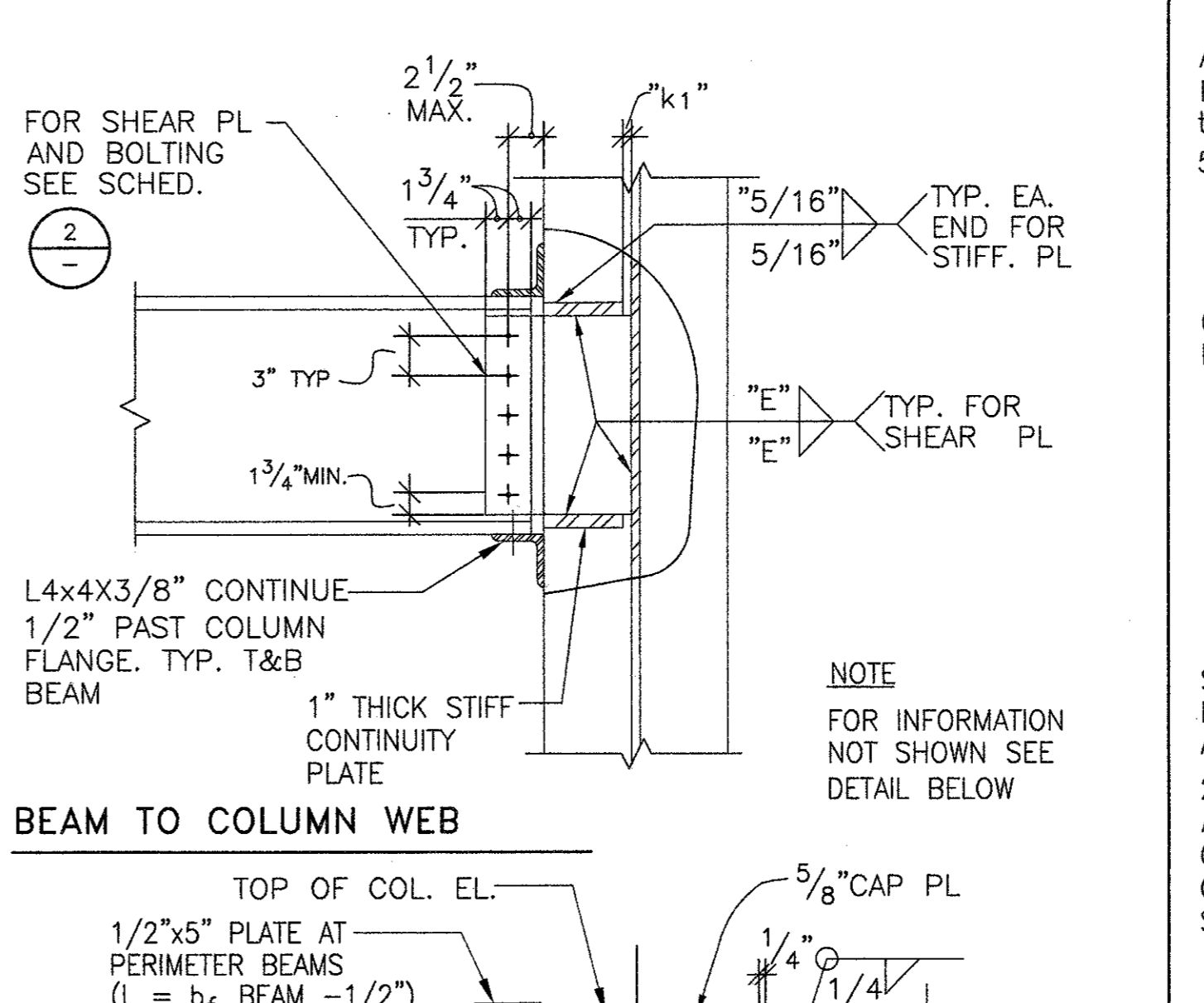
11 METAL DECK SUPPORT @ COLUMN
N.T.S.



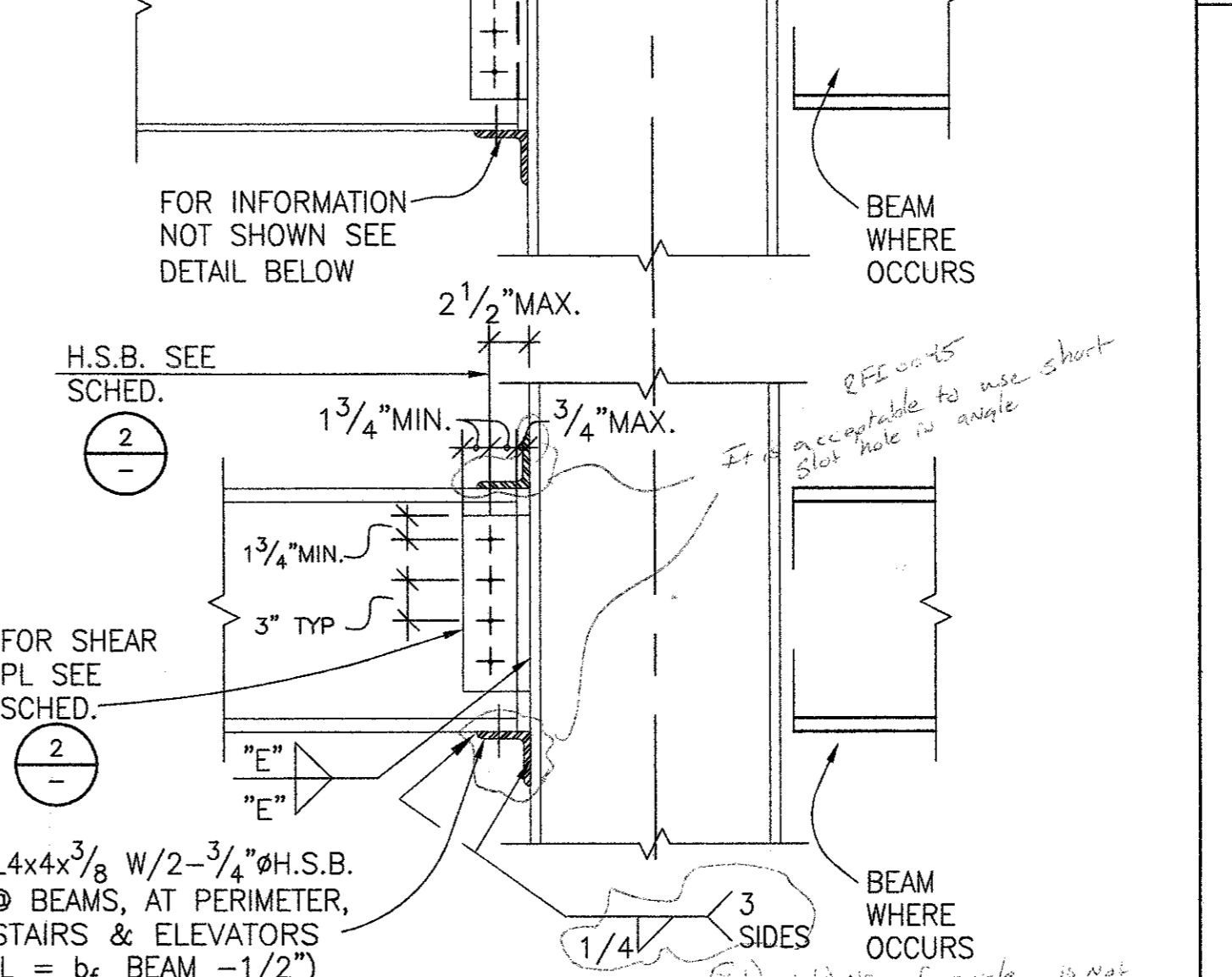
12 MOMENT BEAM TO GIRDER CONN.
N.T.S.



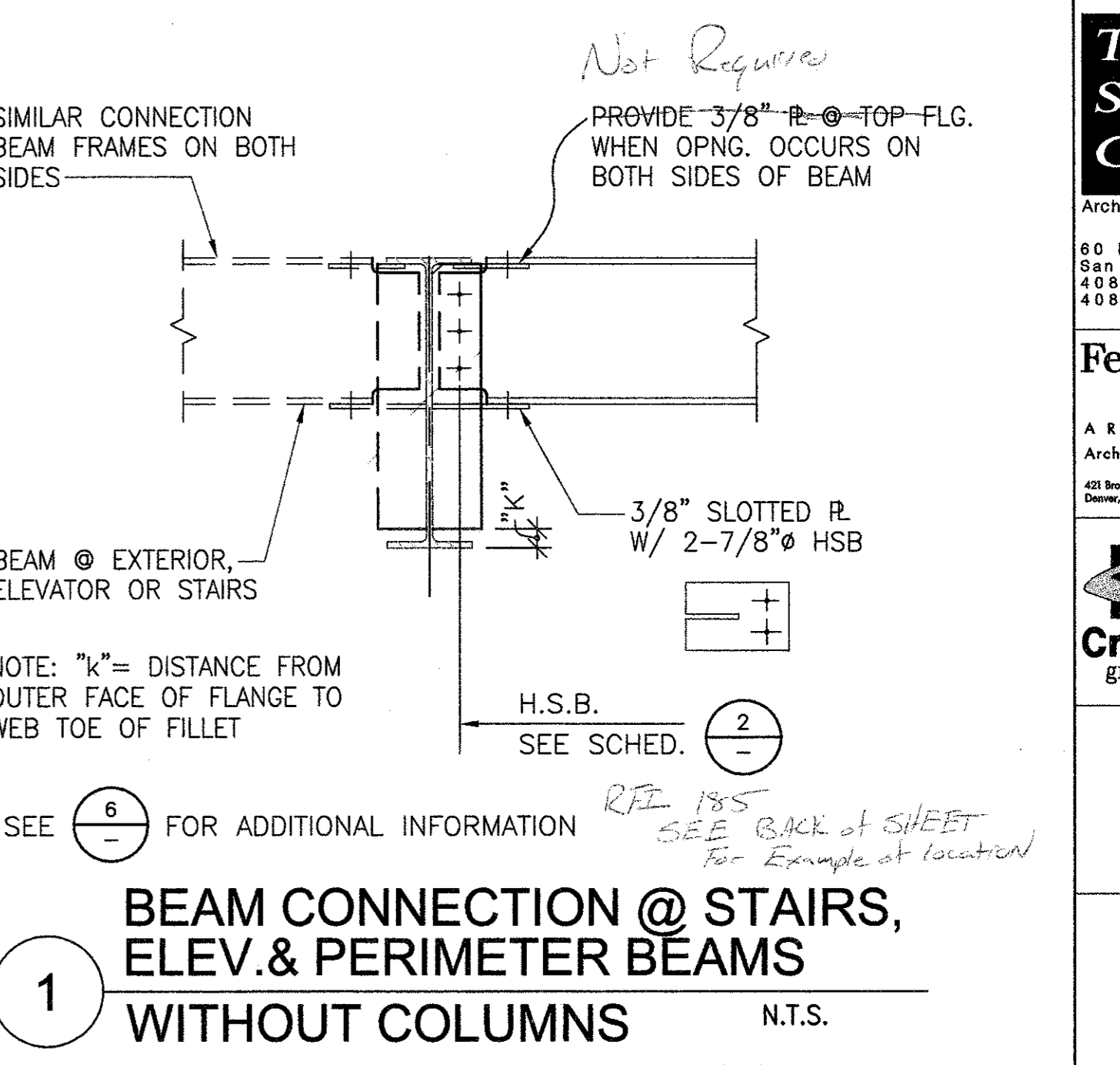
6 NON-MOMENT STEEL CONNECTIONS BEAM TO BEAM OR BEAM TO GIRDER
N.T.S.



8 NON-MOMENT BEAM TO COLUMN
N.T.S.



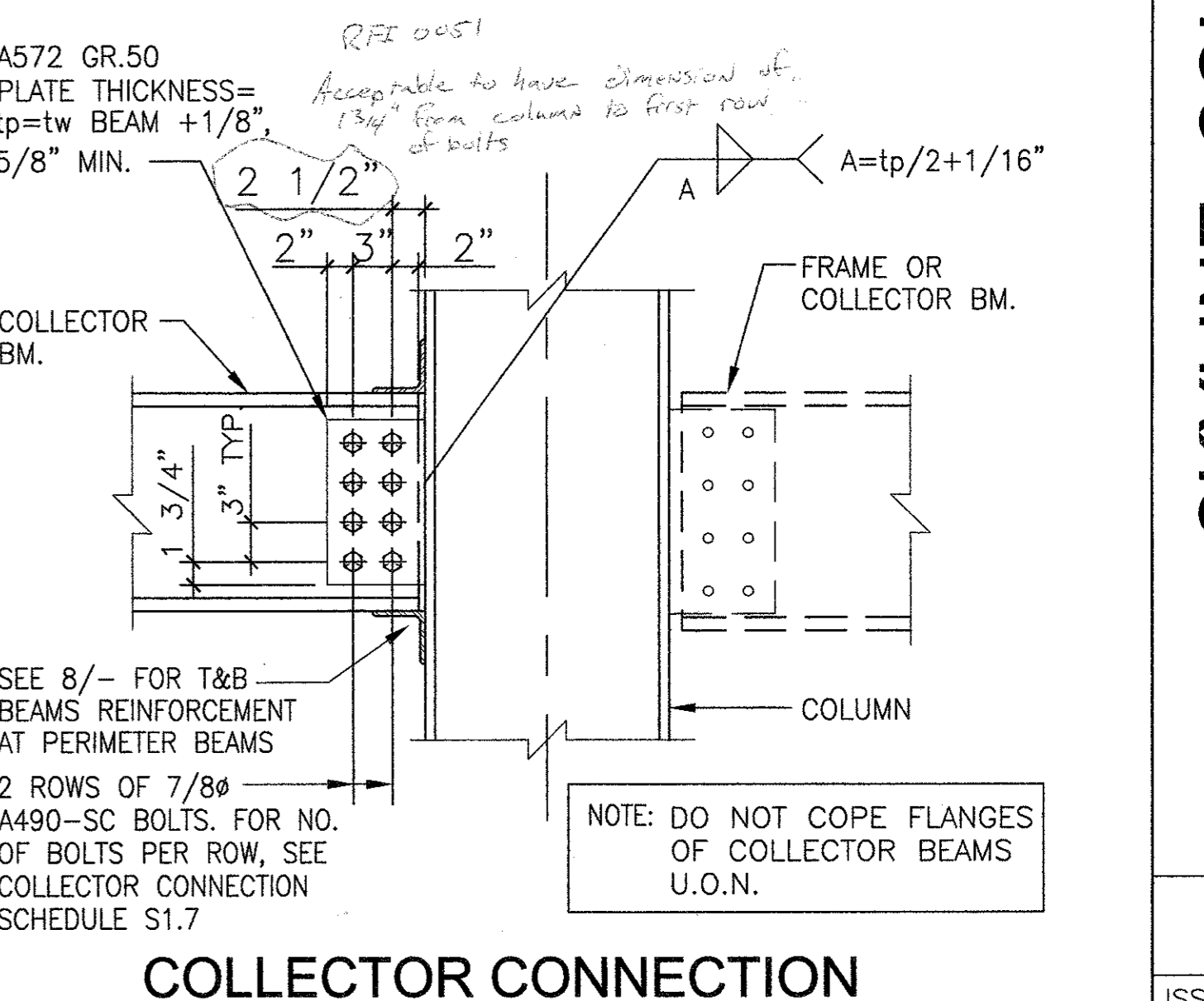
3 COLLECTOR CONNECTION BEAM TO COLUMN FLANGE
N.T.S.



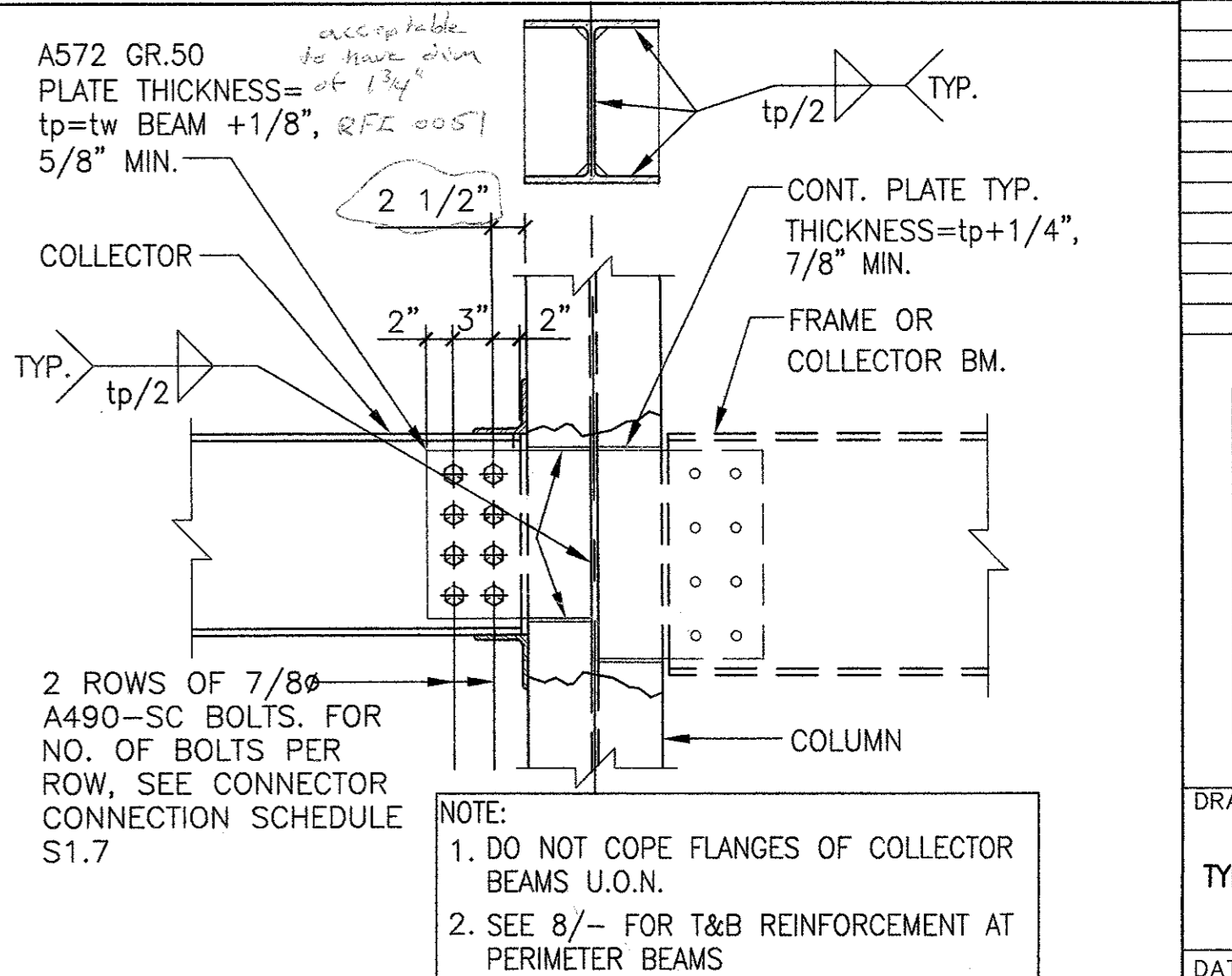
BEAM TO BEAM CONNECTION SCHEDULE

BEAM SIZE	CONNECTION PLATE "t"	BOLTS	WELD "E"	LOADS (kips)	REMARKS
W6	1/4"	2-3/4"	3/16"	8	
W8-W10	3/8"	2-7/8"	5/16"	11.1	
W12	3/8"	3-7/8"	5/16"	22.1	
W14	3/8"	3-7/8"	5/16"	22.1	
W16	7/16"	4-7/8"	5/16"	35.4	
W18	7/16"	5-7/8"	5/16"	49.1	
W21	1/2"	6-7/8"	3/8"	62.7	
W24	1/2"	7-7/8"	3/8"	76.4	
W27	1/2"	7-7/8"	3/8"	76.4	
W30	1/2"	8-7/8"	3/8"	89.8	
W33	1/2"	9-7/8"	3/8"	N/A	
W36	1/2"	10-7/8"	3/8"	N/A	

1 BEAM CONNECTION @ STAIRS, ELEV. & PERIMETER BEAMS WITHOUT COLUMNS
N.T.S.



2 BEAM CONNECTION SCHEDULE
NO SCALE



4 COLLECTOR CONNECTION BEAM TO COLUMN WEB
N.T.S.

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Hensel Phelps Construction Co.
REGISTERED PROFESSIONAL ENGINEER
No. 54377
Exp. 6/30/05
STATE OF CALIFORNIA

SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE: TYPICAL STEEL DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER: S1.6

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOTES:

- NO HOLES MAY BE DRILLED OR PUNCHED IN EITHER FLANGE OF THE BEAM WITHIN THE LENGTH THAT HAS RECEIVED THE RADIUS CUT, OR BETWEEN THE RBS CUT AND THE COLUMN. SHEAR STUDS AND MECHANICAL DECK FASTENER TO THE BEAM FLANGE WITHIN THE LENGTH OF THE RADIUS CUT ARE PROHIBITED. SPOT WELDS FOR THE ATTACHMENT OF METAL DECKING ARE PERMITTED.
- THE TOLERANCE ON THE DEPTH OF EACH RBS CUT IS PLUS OR MINUS 1/4 INCH. THE LENGTH OF THE CUT SHALL BE WITHIN PLUS OR MINUS 15% OF THE SPECIFIED LENGTH. THE DEPTH OF CUT ON EACH SIDE SHALL BE BALANCED, WITH NO MORE THAN 3/8 INCH TOTAL VARIATION IN THE DEPTH OF CUT FROM ONE SIDE TO THE OTHER. THE ATTACHMENT OF METAL DECKING ARE PERMITTED. (EXAMPLE; PLUS 1/8 INCH ON ONE SIDE, MINUS 1/4 INCH ON THE OTHER SIDE). THE BALANCE OF REMAINING FLANGE WIDTH ABOUT THE WEB OF THE BEAM IS NOT A CONSIDERATION.
- AFTER THERMAL CUTTING, THE RBS SURFACE SHALL HAVE A SURFACE ROUGHNESS OF NO MORE THAN 500 MICRO INCHES (AWS SAMPLE 3). GRINDING OF THERMALLY CUT EDGES SHALL BE PROVIDED ONLY AS NECESSARY TO MEET THIS CRITERIA. CORNERS BETWEEN THE CUT RBS SURFACE AND THE TOP AND BOTTOM OF THE FLANGES SHALL BE GROUND TO REMOVE SHARP EDGES, BUT A MINIMUM RADIUS OR CHAMFER IS NOT REQUIRED.
- GOUGES AND NOTCHES THAT OCCUR IN THERMAL CUT RBS SURFACE MAY BE REPAIRED BY GRINDING IF NOT MORE THAN 1/4 INCH DEEP. THE GOUGED OR NOTCHED AREA SHALL BE FAIRED BY GRINDING SO THAT A SMOOTH TRANSITION EXIST, AND THE TOTAL LENGTH OF THE AREA GROUND FOR THE TRANSITION SHALL BE NO LESS THAN 10 TIMES THE DEPTH OF THE REMOVED GOUGE. IF A SHARP NOTCH EXIST, THE AREA SHALL BE INSPECTED BY MT AFTER GRINDING TO ENSURE THAT ENTIRE DEPTH OF GOUGE OR NOTCH HAS BEEN REMOVED. GRINDING MAY NOT INCREASE THE DEPTH OF THE RBS CUT SECTION MORE THAN 1/4 INCH BEYOND THE SPECIFIED DEPTH OF CUT.
- GOUGES AND NOTCHES THAT EXCEED 1/4 INCH IN DEPTH, BUT NOT TO EXCEED 1/2 INCH IN DEPTH, AND THOSE NOTCHES AND GOUGES WHERE REPAIR BY GRINDING WOULD INCREASE THE EFFECTIVE DEPTH OF THE RBS CUT BEYOND TOLERANCE, MAY BE REPAIRED BY WELDING. NOTCHES AND GOUGES EXCEEDING 1/2 INCH IN DEPTH MAY BE REPAIRED ONLY WITH THE APPROVAL OF ENGINEER. THE NOTCH OR GOUGE SHALL BE REMOVED AND GROUND TO PROVIDE A SMOOTH RADIUS OF NOT LESS THAN 3/8 INCH FOR WELDING. THE REPAIR AREA SHALL BE PREHEATED TO A TEMPERATURE BETWEEN 400°F AND 500°F, MEASURED AT THE LOCATION OF THE WELD REPAIR APPROXIMATELY ONE MINUTE AFTER REMOVAL OF THE HEATING SOURCE. REPAIR WELDING SHALL BE DONE WITH NOTCH-TOUCH ELECTRODES MEETING THE REQUIREMENTS IN FEMA 353 (DATED JULY 2000) PART I, SECTION 2.4. A REPAIR WPS IS REQUIRED. FOLLOWING WELDING, THE REPAIR WELD SHALL BE GROUND TO A SMOOTH CONTOUR MEETING THE RBS REQUIREMENTS, WITH A SURFACE ROUGHNESS NOT TO EXCEED 500 MICROINCHES. THE WELDED REPAIR AREA SHALL BE INSPECTED USING MAGNETIC PARTICLE TESTING.
- WELDED DECK STUDS, BEAM PIPE HANGERS, EXTERIOR SUPPORT, ETC. SHALL NOT OCCUR IN THE AREA OF THE BEAM FLANGE BETWEEN THE COLUMN FACE AND 6" BEYOND THE EXTREME END OF THE RBS.

15 REDUCED BEAM SECTION
NTS

NOTES FOR MOMENT FRAMES AND BRACED FRAME CONNECTIONS:

- NO WELD DAMS ARE ALLOWED.
- MOMENT FRAME BEAM FLANGE TO COLUMN WELDS SHALL BE MADE BEFORE BOLTS ARE TENSIONED.
- ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION. THIS INCLUDE ALL WELDS THAT CONNECT PLATES, SHEAR TABS STIFFENER PLATES, TUBE STEEL BRACES, GUSSET PLATES, CHORDS/ COLLECTORS & SMRF CONNECTIONS.
- WELDING PROCESSES SHALL BE LIMITED TO SHIELDED METAL ARC WELDING (SMAW) AND FLUX CORE ARC WELDING (FCAW) WITH SELF SHIELDING ELECTRODES OR GAS SHIELDING, EXCEPT THAT SUBMERGED ARC WELDING CAN BE USED FOR SHOP WELDING.
- FCAW FILLER METAL WIRE SHALL BE LIMITED TO 7/64" DIAMETER MAXIMUM. SMAW WELDING ELECTRODES SHALL BE LIMITED TO 5/32" DIAMETER. STRINGER BEADS SHALL NOT EXCEED 1/2" MAXIMUM. WEAVE BEADS ARE PROHIBITED.
- FOR COMPLETE PENETRATION (C.P.) WELDS AT MOMENT FRAMES:
 - RUN-OFF TABS PER AWS D1.1 ARE REQUIRED FOR ALL COMPLETE PENETRATION GROOVE WELDS (C.P.). ALL WELDS ARE TO BE STARTED AND COMPLETED ON THE RUN-OFF TABS AS MUCH AS POSSIBLE.
 - THE MAXIMUM PREHEAT AND INTERPASS TEMPERATURE REQUIREMENTS OF AWS D1.1, TABLE 3.2 MUST BE FOLLOWED. SEE ALSO AWS D1.1 APPENDIX XI "ALTERNATE METHODS OF DETERMINING PREHEAT."
 - RUN-OFF TABS AT THE TOP AND BOTTOM FLANGES AND BACKER BARS AT THE BOTTOM FLANGES SHALL BE REMOVED AFTER COMPLETION OF THE WELD. THE WELD SHALL BE GROUND SMOOTH AND THE WELD ROOT INSPECTED AND TESTED FOR IMPERFECTIONS IN ACCORDANCE WITH AWS D1.1, SECTION 9.25.
 - COOLING RATES ON FINISHED WELDS SHALL NOT EXCEED 250 DEGREES PER HOUR. COMPLETED CONNECTIONS MAY BE WRAPPED WITH THERMAL INSULATION TO MAINTAIN PROPER COOLING RATES.
 - PEEN EACH STRINGER PASS, 3 PASSES MINIMUM, WITH A SLAG GUN AT RIGHT ANGLES TO THE WELD. USE A DULL CHISEL TOOL SO THAT NO NICKS, CUTS, OR NOTCHES RESULT.
 - GENERAL CONTRACTOR TO SUBMIT WELDING PROCEDURE SPECIFICATION (WPS) FOR ENGINEERS APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WELDING.

REDUCED BEAM SECTION DIMENSION SCHEDULE

BEAM DESIGNATION	"a" (IN)	"b" (IN)	"c" (IN)	RADIUS (IN)	REMARKS
W24x84	5.64	16.87	1.80	20.6	

NOTE: SEE DETAIL 15/- FOR CONNECTION DETAILS

9 REDUCED BEAM SECTION SCHEDULE
NTS

NOT USED

8 MOMENT-FRAME BEAM TO COLUMN COLUMN FLANGE
NTS

NOTES:

- tf = THICKNESS OF BEAM FLANGE (THICKER FLANGE).
- TC1 = THICKNESS OF TOP CONTINUITY PLATE.
- TC2 = THICKNESS OF BOTTOM CONTINUITY PLATE.
- LOCATE DOUBLER PLATE ON SIDE OF COLUMN WITH NON-FRAME BEAM WHERE POSSIBLE.
- ANY BEAMS FRAMING INTO COLUMN WEB NOT SHOWN FOR CLARITY.

SECTION "B"- "B"

WEB DOUBLER PL. WHERE OCCURS, SEE COL. SCHEDULE PLACE ON SIDE WHERE NO BM. OR SMALLER BM. FRAMES INTO COL., TYP.

CONTINUITY PL. T&B, TYP.

SECTION "A"- "A"

3/4" CAP PL DOUBLER PL. (WHERE OCCURS) FILL GAP W/WELD

SECTION "C"- "C"

WELD ACCESS HOLE REQUIREMENT

TOLERANCES SHALL NOT ACCUMULATE TO THE EXTENT THAT THE ANGLE OF THE ACCESS HOLE CUT TO THE FLANGE SURFACE EXCEEDS 25°.

1 BEAM TO COLUMN CONNECTION SCHEDULE AT MOMENT RESISTING FRAMES
N.T.S.

BEAM SIZE	NO. OF A490-SC BOLTS	WELD "E"	ALLOWABLE SERVICE LOAD (KIPS)	
			FLANGE COPED	FLANGE NOT COPED
W8	2x2 - 3/4"φ = 4 BOLTS	5/16"	18.7 k	19.4 kips
W10	2x2 - 7/8"φ = 4 BOLTS	5/16"	19.4 kips	19.4 kips
W12	2x3 - 7/8"φ = 6 BOLTS	5/16"	30 kips	35.5 kips
W14	2x3 - 7/8"φ = 6 BOLTS	5/16"	34.5 kips	35.5 kips
W16	2x4 - 7/8"φ = 8 BOLTS	5/16"	47.6 kips	57.2 kips
W18	2x5 - 7/8"φ = 10 BOLTS	5/16"	69.2 kips	81.2 kips
W21	2x6 - 7/8"φ = 12 BOLTS	3/8"	94.8 kips	107.1 kips
W24	2x7 - 7/8"φ = 14 BOLTS	3/8"	122.9 kips	133.8 kips
W27	2x8 - 7/8"φ = 14 BOLTS	3/8"	143.5 kips	143.5 kips
W30	2x8 - 7/8"φ = 16 BOLTS	3/8"	143.5 kips	143.5 kips
W33	2x9 - 7/8"φ = 18 BOLTS	3/8"	N/A	161 kips
W36	2x10 - 7/8"φ = 20 BOLTS	3/8"	N/A	179 kips

(1) REF. AISC ASD 9TH ED., CONNECTIONS TABLE 1-D
(2) SEE DET. 3/S1.6, 4/S1.6 & 20/S1.6 FOR SCHEMATIC.

2 COLLECTOR CONNECTION SCHED.
N.T.S.

NOTES:

- BEVEL AS REQUIRED BY AWS D1.1 FOR SELECTED GROOVE WELD PROCEDURE.
- LARGER OF tf OR 1/2 INCH. (PLUS 1/2 tf, OR MINUS 1/4 INCH)
- 3/4 tf TO tbf, 3/4" MIN. (±1/4 INCH)
- 3/8" MINIMUM RADIUS (PLUS NOT LIMITED, OR MINUS 0).
- 3 tf (±1/2 INCH).
- SEE FEMA-353, RECOMMENDED SPECIFICATIONS AND QUALITY ASSURANCE GUIDELINES FOR STEEL MOMENT-FRAME CONSTRUCTION FOR SEISMIC APPLICATIONS, FOR FABRICATION DETAILS INCLUDING CUTTING METHODS AND SMOOTHNESS REQUIREMENTS.

15 REDUCED BEAM SECTION
NTS

NOTES FOR MOMENT FRAMES AND BRACED FRAME CONNECTIONS:

- NO WELD DAMS ARE ALLOWED.
- MOMENT FRAME BEAM FLANGE TO COLUMN WELDS SHALL BE MADE BEFORE BOLTS ARE TENSIONED.
- ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION. THIS INCLUDE ALL WELDS THAT CONNECT PLATES, SHEAR TABS STIFFENER PLATES, TUBE STEEL BRACES, GUSSET PLATES, CHORDS/ COLLECTORS & SMRF CONNECTIONS.
- WELDING PROCESSES SHALL BE LIMITED TO SHIELDED METAL ARC WELDING (SMAW) AND FLUX CORE ARC WELDING (FCAW) WITH SELF SHIELDING ELECTRODES OR GAS SHIELDING, EXCEPT THAT SUBMERGED ARC WELDING CAN BE USED FOR SHOP WELDING.
- FCAW FILLER METAL WIRE SHALL BE LIMITED TO 7/64" DIAMETER MAXIMUM. SMAW WELDING ELECTRODES SHALL BE LIMITED TO 5/32" DIAMETER. STRINGER BEADS SHALL NOT EXCEED 1/2" MAXIMUM. WEAVE BEADS ARE PROHIBITED.
- FOR COMPLETE PENETRATION (C.P.) WELDS AT MOMENT FRAMES:
 - RUN-OFF TABS PER AWS D1.1 ARE REQUIRED FOR ALL COMPLETE PENETRATION GROOVE WELDS (C.P.). ALL WELDS ARE TO BE STARTED AND COMPLETED ON THE RUN-OFF TABS AS MUCH AS POSSIBLE.
 - THE MAXIMUM PREHEAT AND INTERPASS TEMPERATURE REQUIREMENTS OF AWS D1.1, TABLE 3.2 MUST BE FOLLOWED. SEE ALSO AWS D1.1 APPENDIX XI "ALTERNATE METHODS OF DETERMINING PREHEAT."
 - RUN-OFF TABS AT THE TOP AND BOTTOM FLANGES AND BACKER BARS AT THE BOTTOM FLANGES SHALL BE REMOVED AFTER COMPLETION OF THE WELD. THE WELD SHALL BE GROUND SMOOTH AND THE WELD ROOT INSPECTED AND TESTED FOR IMPERFECTIONS IN ACCORDANCE WITH AWS D1.1, SECTION 9.25.
 - COOLING RATES ON FINISHED WELDS SHALL NOT EXCEED 250 DEGREES PER HOUR. COMPLETED CONNECTIONS MAY BE WRAPPED WITH THERMAL INSULATION TO MAINTAIN PROPER COOLING RATES.
 - PEEN EACH STRINGER PASS, 3 PASSES MINIMUM, WITH A SLAG GUN AT RIGHT ANGLES TO THE WELD. USE A DULL CHISEL TOOL SO THAT NO NICKS, CUTS, OR NOTCHES RESULT.
 - GENERAL CONTRACTOR TO SUBMIT WELDING PROCEDURE SPECIFICATION (WPS) FOR ENGINEERS APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WELDING.

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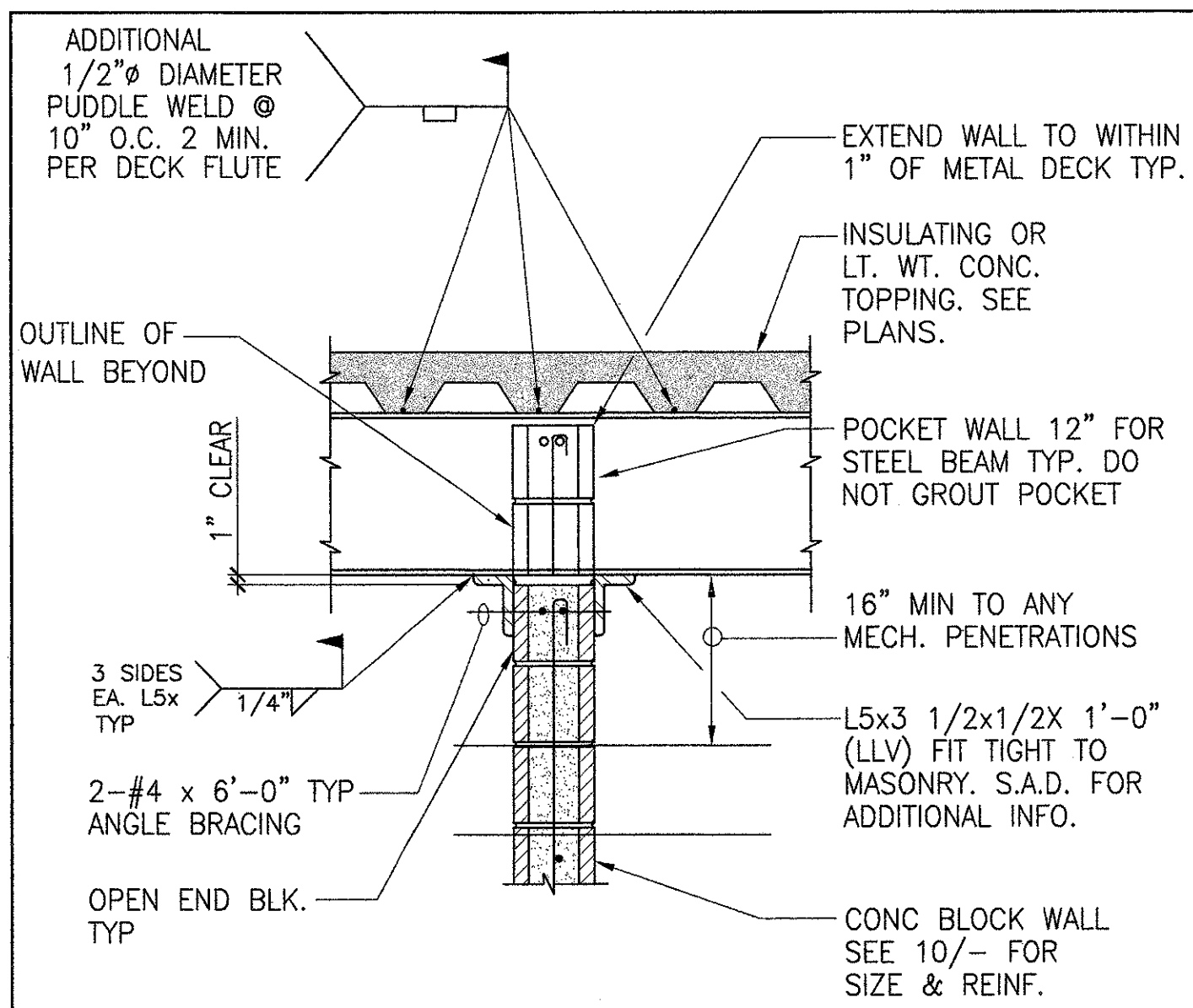
Hensel Phelps Construction Co.
REGISTERED PROFESSIONAL ENGINEER
No. 54377
Exp. 6/30/08
STATE OF CALIFORNIA

SKYLINE COLLEGE
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3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
INCREMENT ONE - SUBMITTAL

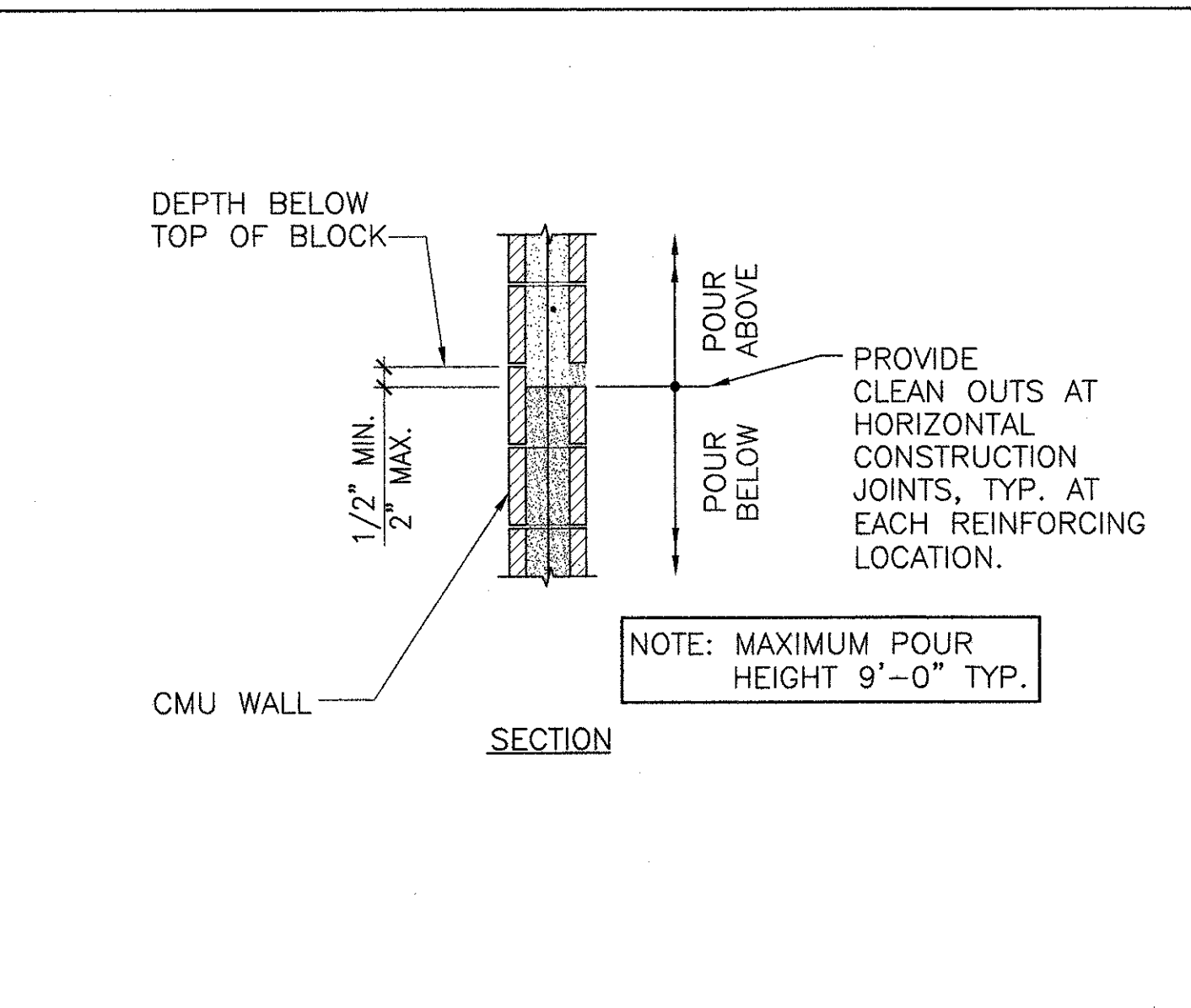
ISSUED FOR: DATE:
DSA - INC #1 10.21.04

QUESTION: Please verify the attached drawing is an acceptable connection detail.
ANSWER: For Moment connection at column flange, in a Special Moment Resisting Frame (SMRF), see details on sheet S1.7
For Moment connection at column flange, not at Moment Resisting Frame, the provided Bambacigno detail is acceptable when continuity plate thickness matches beam flange thickness and weld access hole matches detail S1.7
For Moment connection at column web use detail S1.5 (typ. u.o.n.) ... Where beams are of unequal size, the provided Bambacigno detail is acceptable when continuity plate thickness matches beam flange thickness, continuity plate is also provided on other side of column web at lowest beam flange connection and weld access hole matches detail S1.7

PROJECT # 04043
SHEET NUMBER
E: 10.21.04
MENT & BRACE
AME
E: 10.21.04
PROJECT # 04043
SHEET NUMBER
S1.7



17 BRACING @ INTERIOR WALL
N.T.S. (DECK PARALLEL TO WALL)



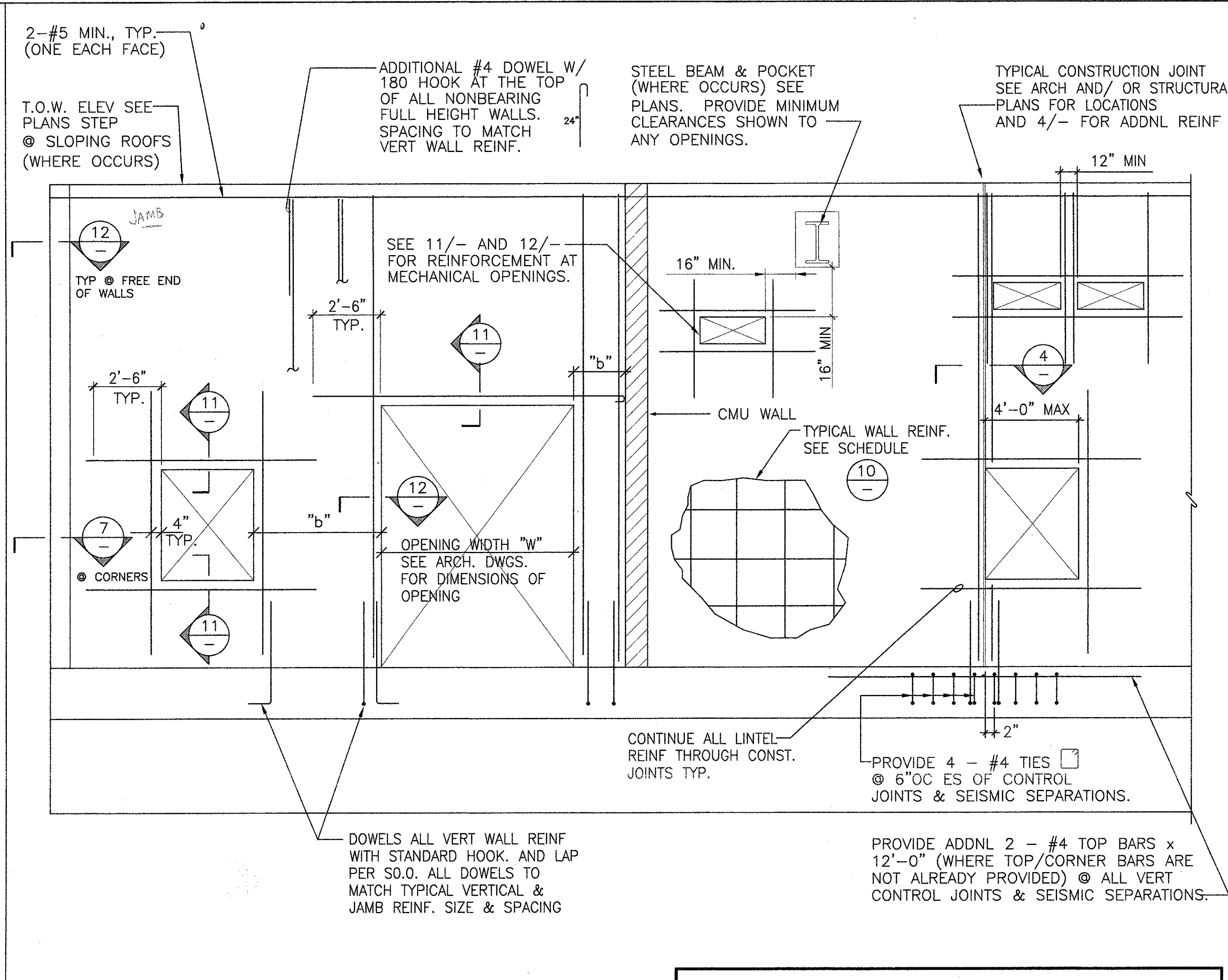
13 CMU WALL HORIZONTAL C.J.
N.T.S.

MINIMUM REINFORCEMENT IN CMU WALLS

NOMINAL WALL THICKNESS "t"	BOND BEAM HORIZ. REINF.	VERT. REINF. (SEE NOTE 11)	JAMB AND END OF WALL REINF.
6" BLOCK (F'm=1500 psi)	#4 @ 24"	#4 @ 16"	2-#4 U.O.N.
8" BLOCK (F'm=1500 psi)	#4 @ 24"	#5 @ 16"	2-#5 U.O.N.

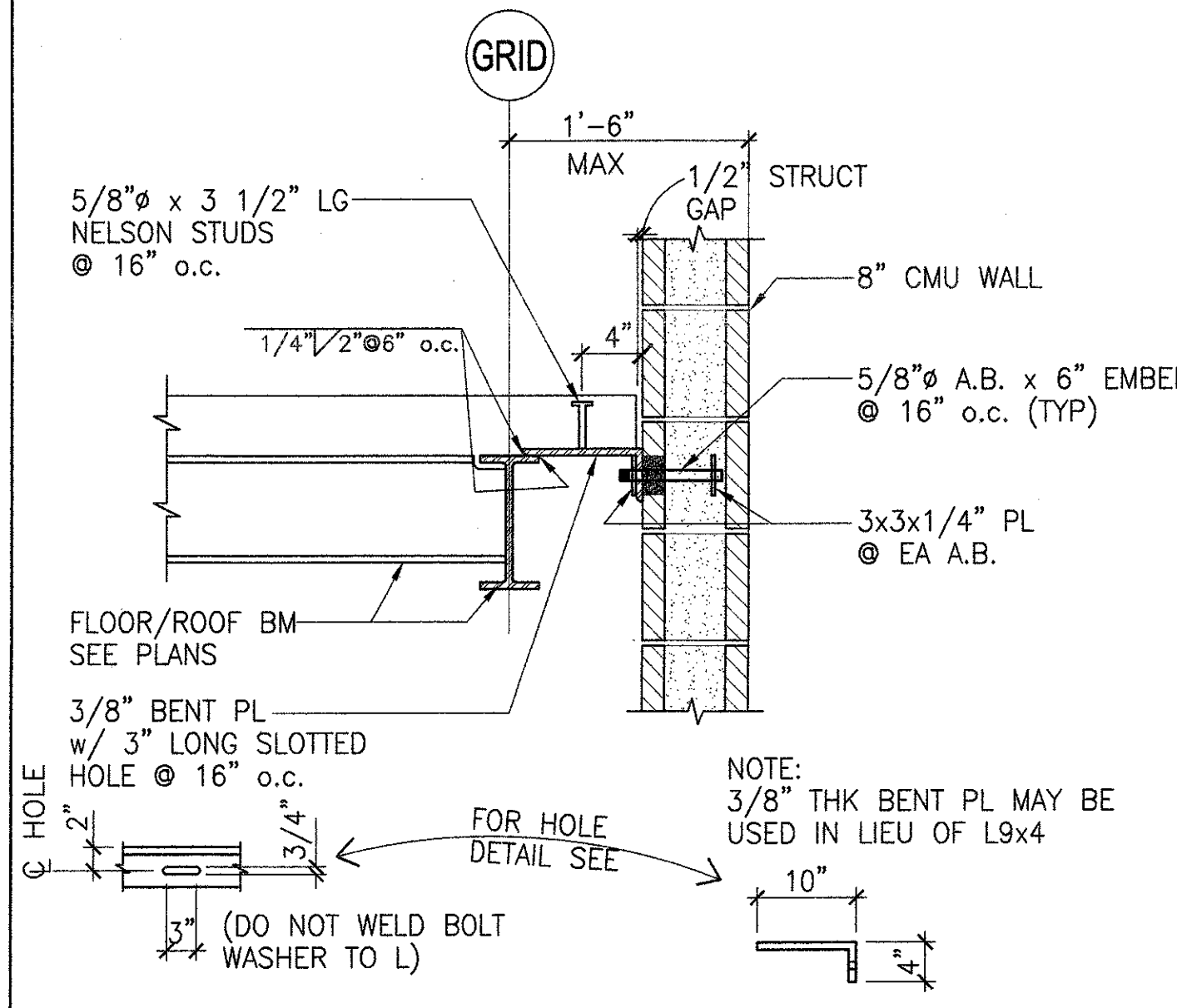
NOTE: USE THIS SCHEDULE WHERE REINFORCING IS NOT SHOWN OTHERWISE ON PLANS, DETAILS OR WALL ELEVATIONS.

- NOTES:
- VERTICAL REINF. FOR WALLS SHALL BE CONTINUOUS FROM FOOTING TO TOP OF WALL OR FLOOR TO FLOOR WITHOUT SPLICE, EXCEPT AS NOTED IN DETAIL.
 - ALL CELLS SHALL BE SOLID GROUTED.
 - USE OPEN END BLOCK AT VERTICAL REINFORCING BARS.
 - HOLD BARS ACCURATELY IN PLACE AT THE CENTER LINE OF THE WALL UNTIL GROUT SETS.
 - USE SPECIAL BOND BEAM OR LINTEL BLOCK AT ALL HORIZONTAL BARS.
 - THE TERM "STANDARD HOOK" SHALL MEAN EITHER:
- 180 HOOK PLUS AN EXTENSION OF 4 BAR DIAMETERS OR 2 1/2".
- 90 HOOK PLUS AN EXTENSION OF 12 BAR DIAMETERS.
 - ALL ANGLES AND BENT STRAPS AT TOP ANCHORAGE ARE TO BE INSTALLED TIGHT AGAINST WALL BEFORE GROUT PLACEMENT.
 - LAP BARS PER SCHEDULE S.O.U.O.N.
 - FOR $3t \leq b \leq 5t$ AS SHOWN ON DETAIL 6/- PROVIDE TYP VERT REINFORCING EF & HAIRPINS SAME SIZE & SPACING AS TYP. HORIZ REINFORCING. USE #4 HORIZONTAL BARS MAX.
 - FOR $b < 3t$ AS SHOWN ON DETAIL 6/- PROVIDE 4 - #5 VERT & #3 TIES @ 8"OC VERT.
 - USE 9 GA WIRE POSITIONERS FOR ALL VERTICAL WALL REINFORCING. (AA WIRE PRODUCTS COMPANY # AA225 OR EQUAL) SPACE VERT TIES MAX 192d ON CENTER OR 10'-0"

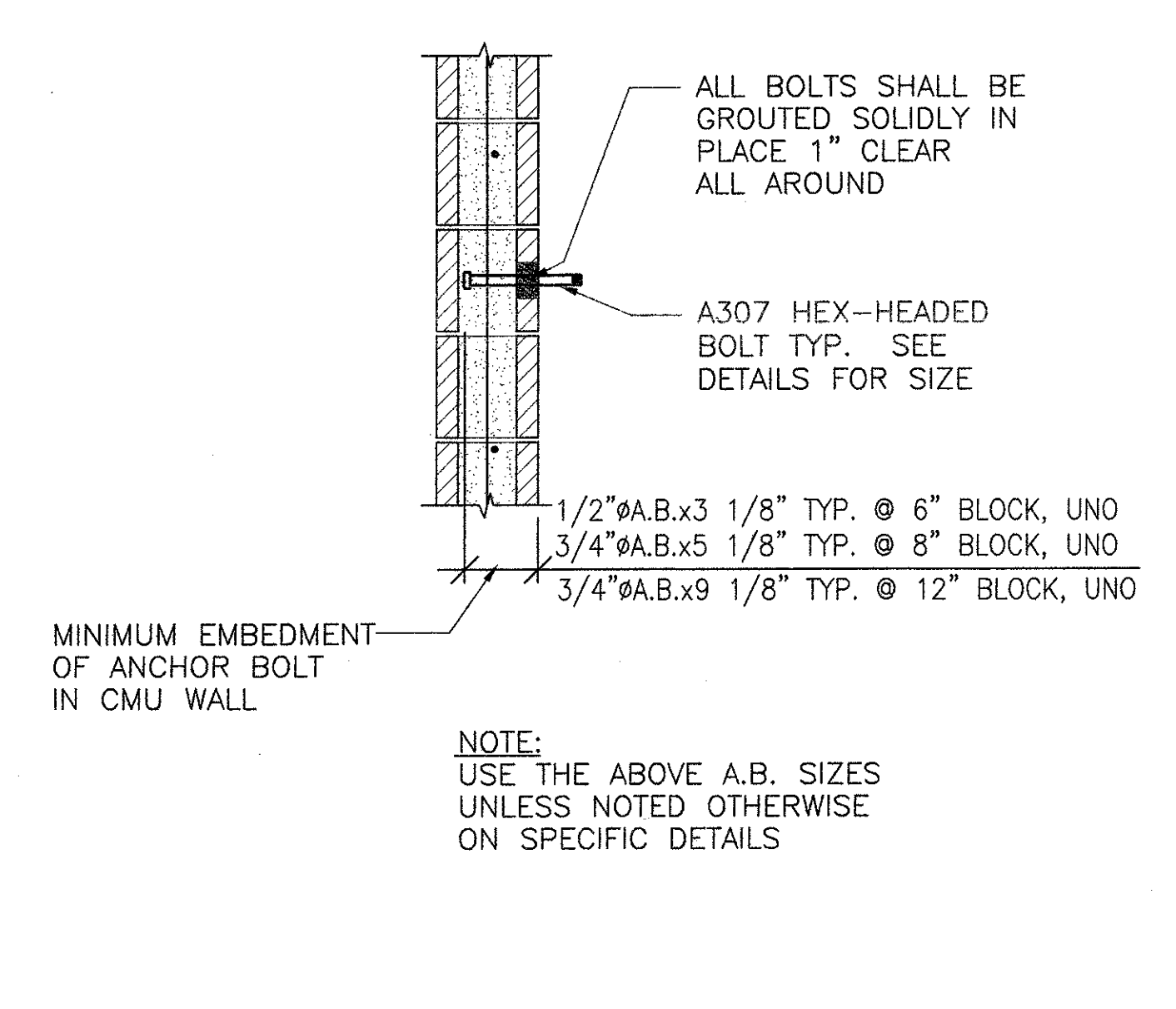


6 ELEVATION @ 6", 8", 10" & 12" CMU WALLS
N.T.S.

- NOTE:
- DO NOT PLACE ELECTRICAL CONDUIT IN THE SAME CELL AS ANY TYPICAL VERTICAL REINFORCING OR JAMB BARS.
 - MASONRY WALL PIERS SHALL NOT BE LESS THAN 16" WIDE.

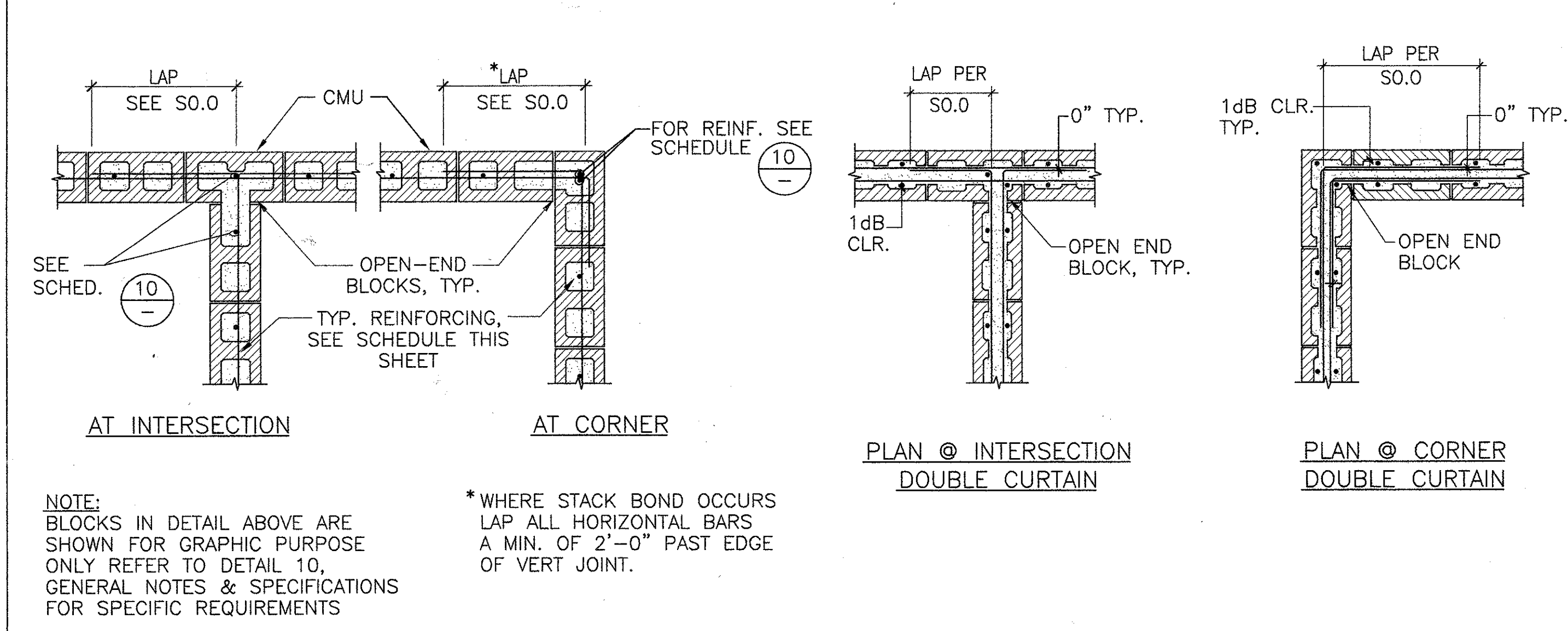
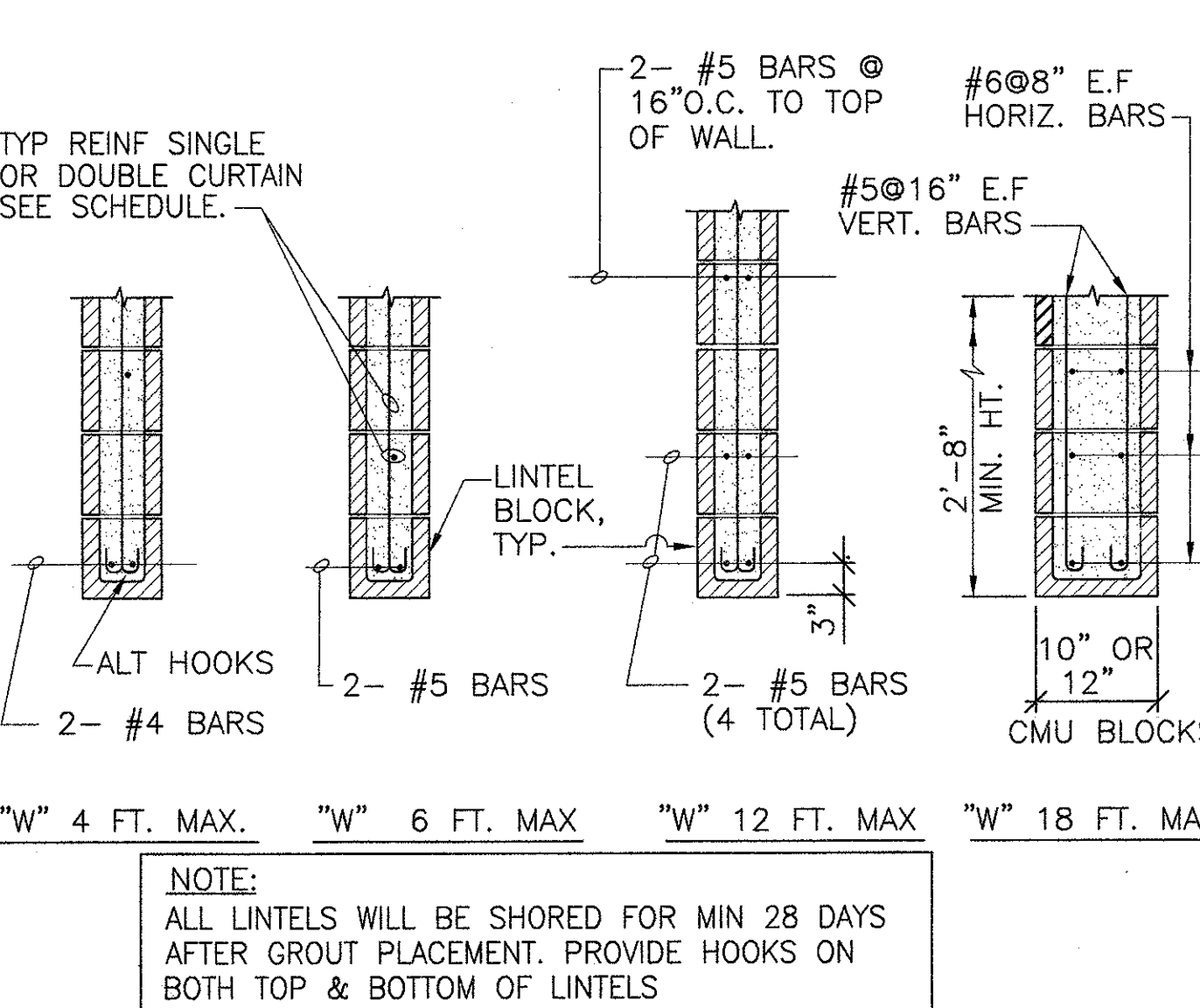


18 SECTION DETAIL
N.T.S.

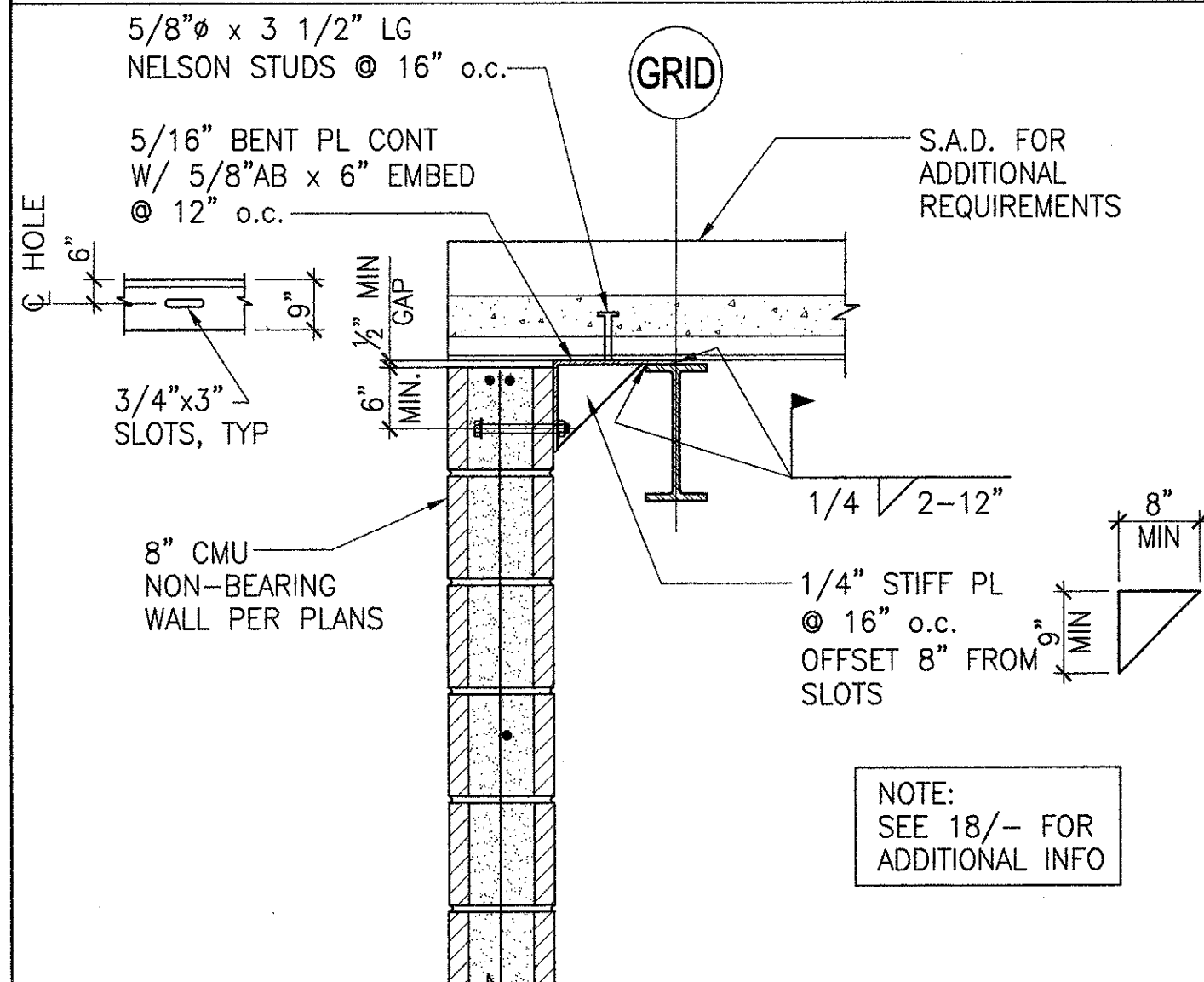


14 ANCHOR BOLT TO CMU
N.T.S.

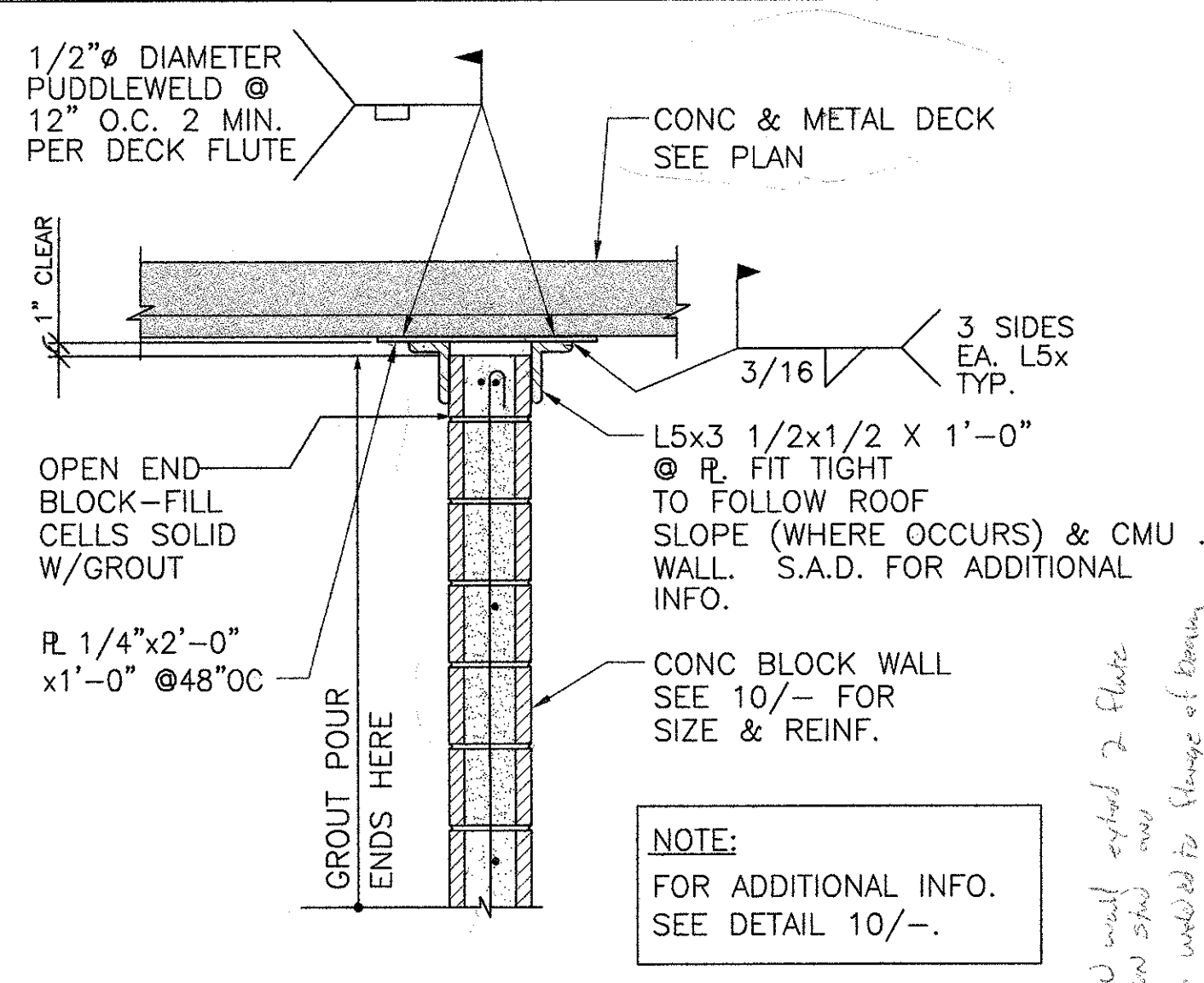
10 CMU REINFORCING SCHEDULE
N.T.S.



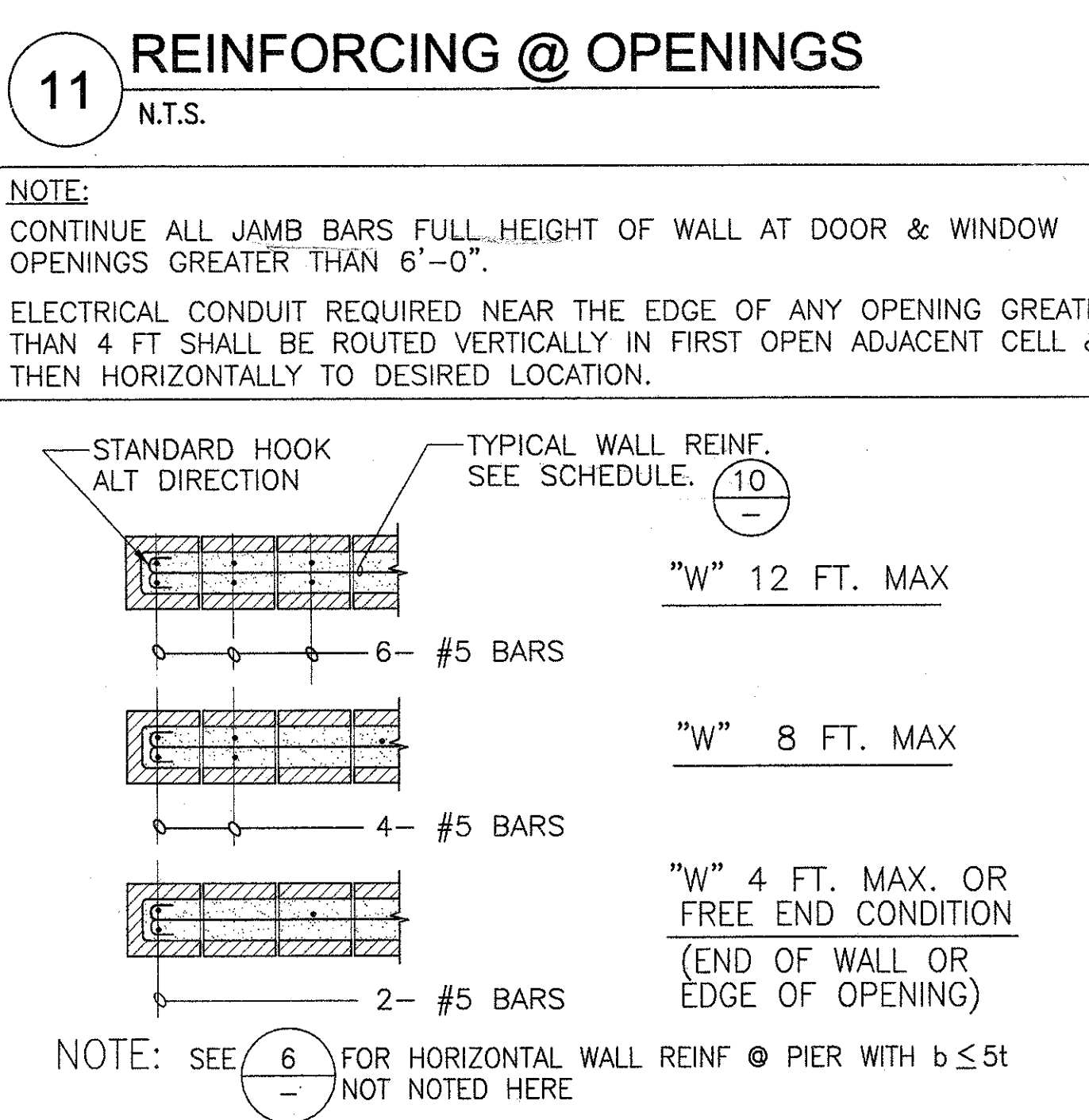
7 CMU WALL INTERSECTIONS
N.T.S.



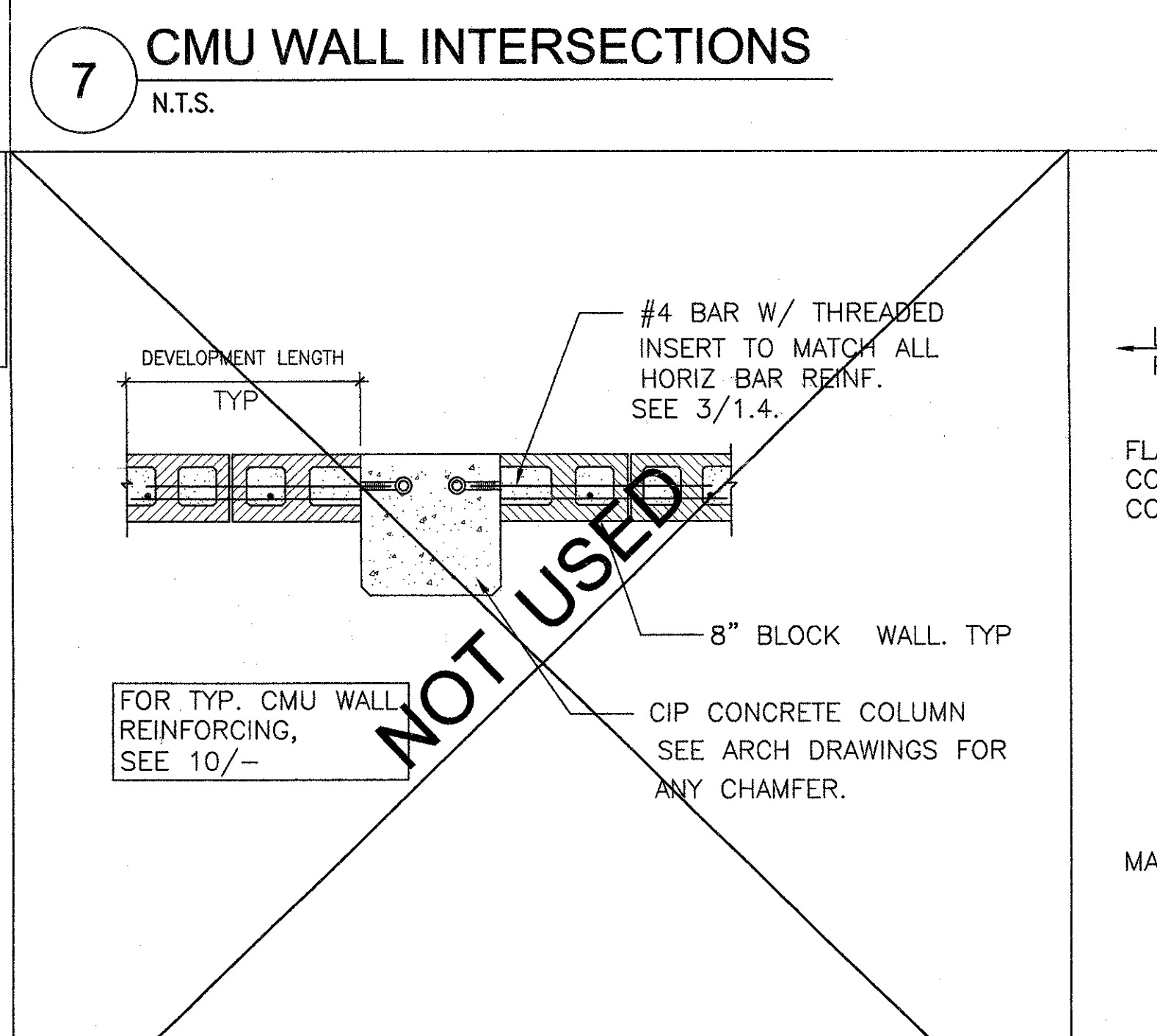
19 SECTION DETAIL
N.T.S.



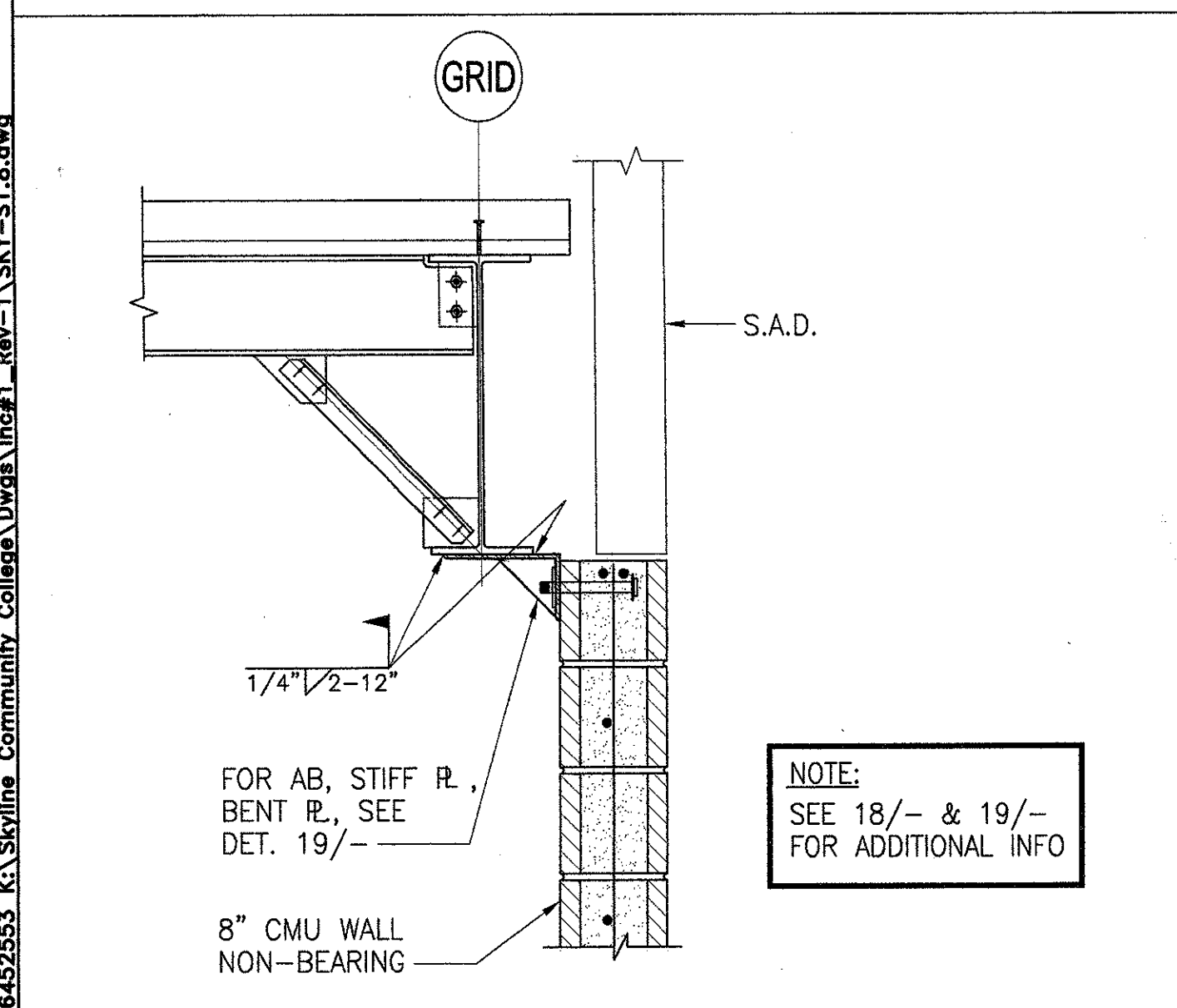
15 BRACING @ INTERIOR WALL
N.T.S. (DECK PERPENDICULAR TO WALL)



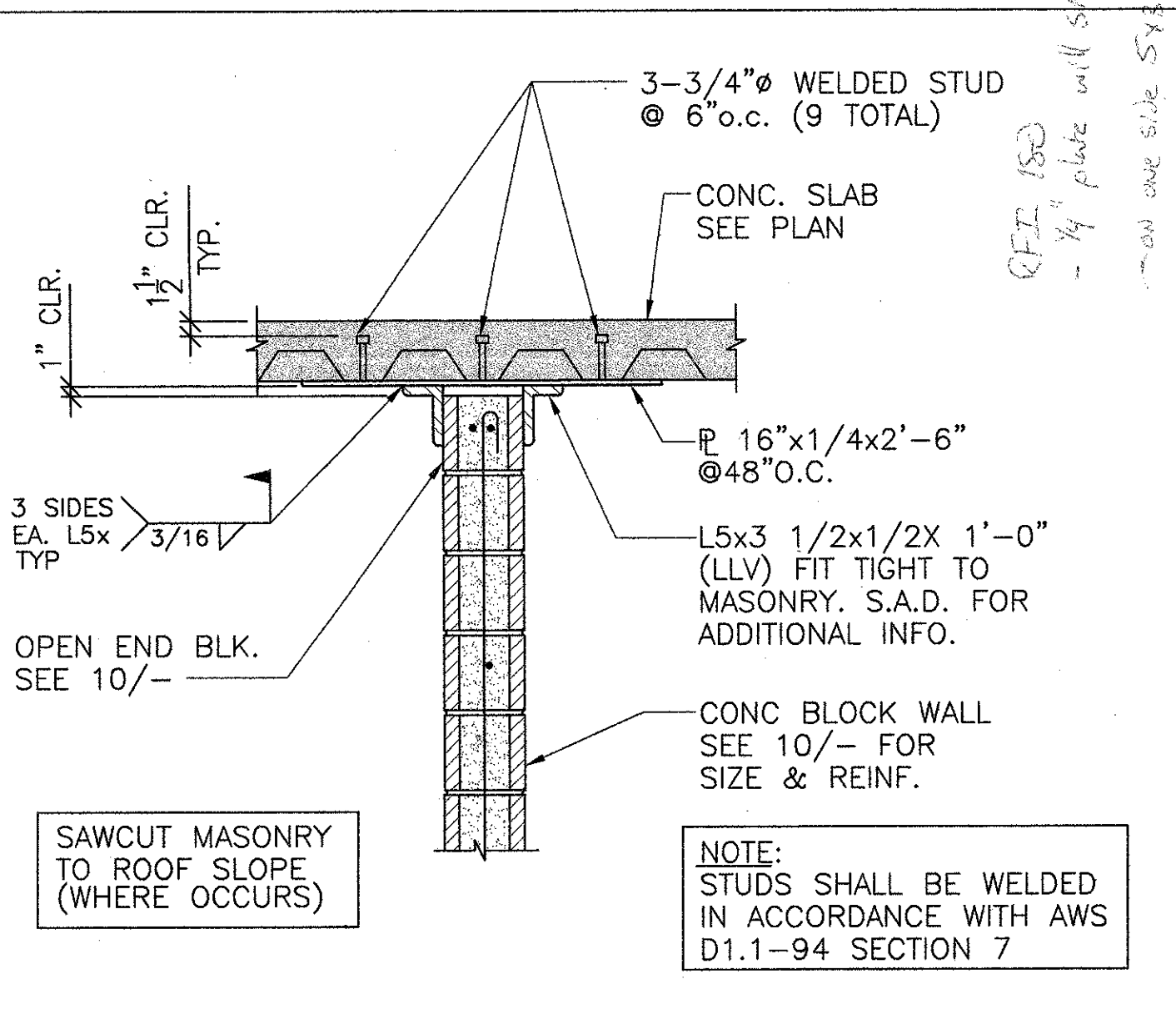
11 REINFORCING @ OPENINGS
N.T.S.



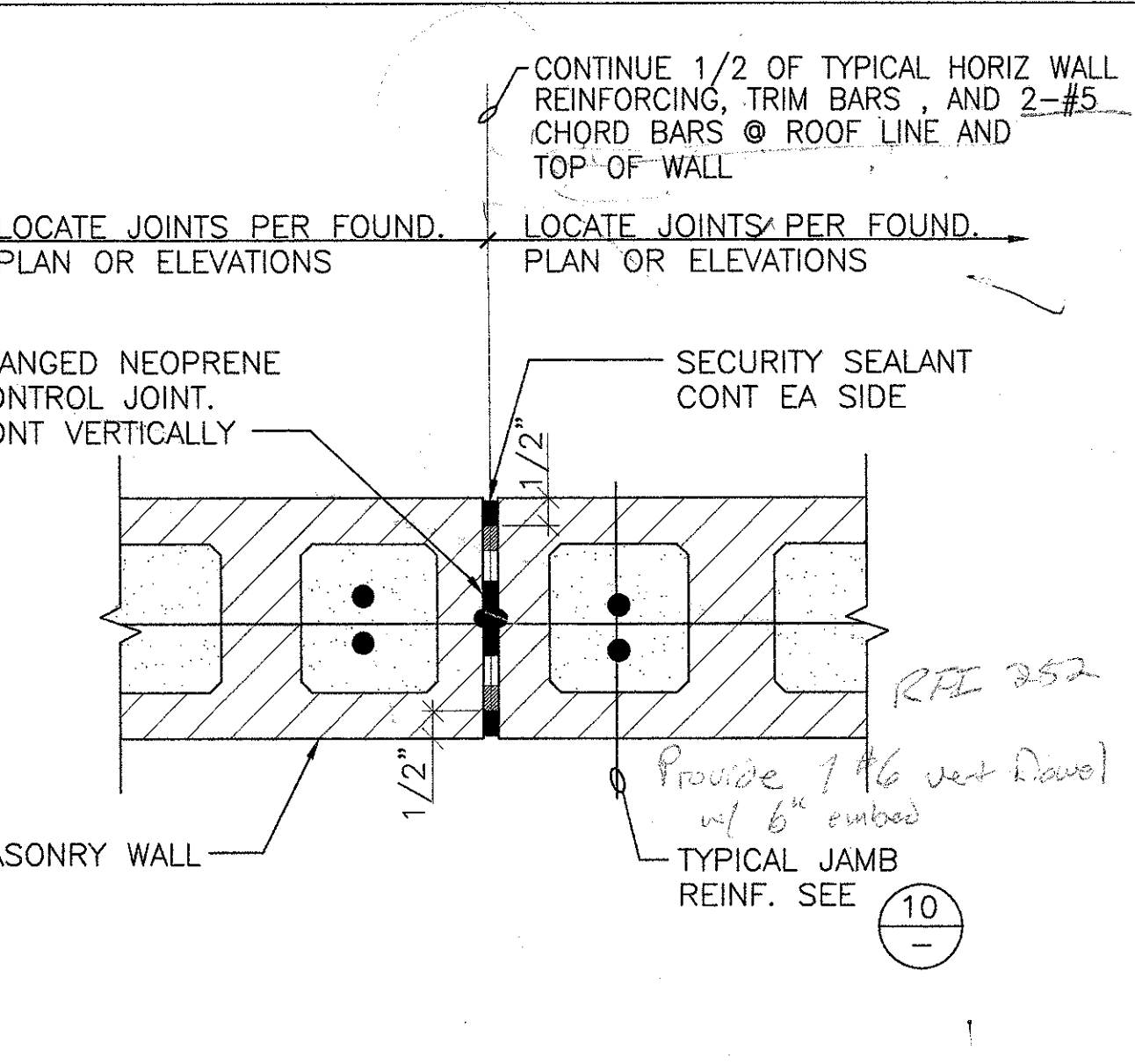
8 CMU WALL @ CIP COLUMN
N.T.S.



20 SECTION DETAIL
N.T.S.



16 BRACING @ INTERIOR WALL
N.T.S. (DECK PARALLEL TO WALL)



4 CMU CONSTRUCTION JOINTS
N.T.S.

The Steinberg Group
Architecture Planning Interiors
60 Placita Avenue
San Jose, CA 95110
408.238.4444
408.295.5928 fax

Fentress Bradburn
ARCHITECTS LTD.
Architecture - Interiors - Planning
1000 West 14th Street
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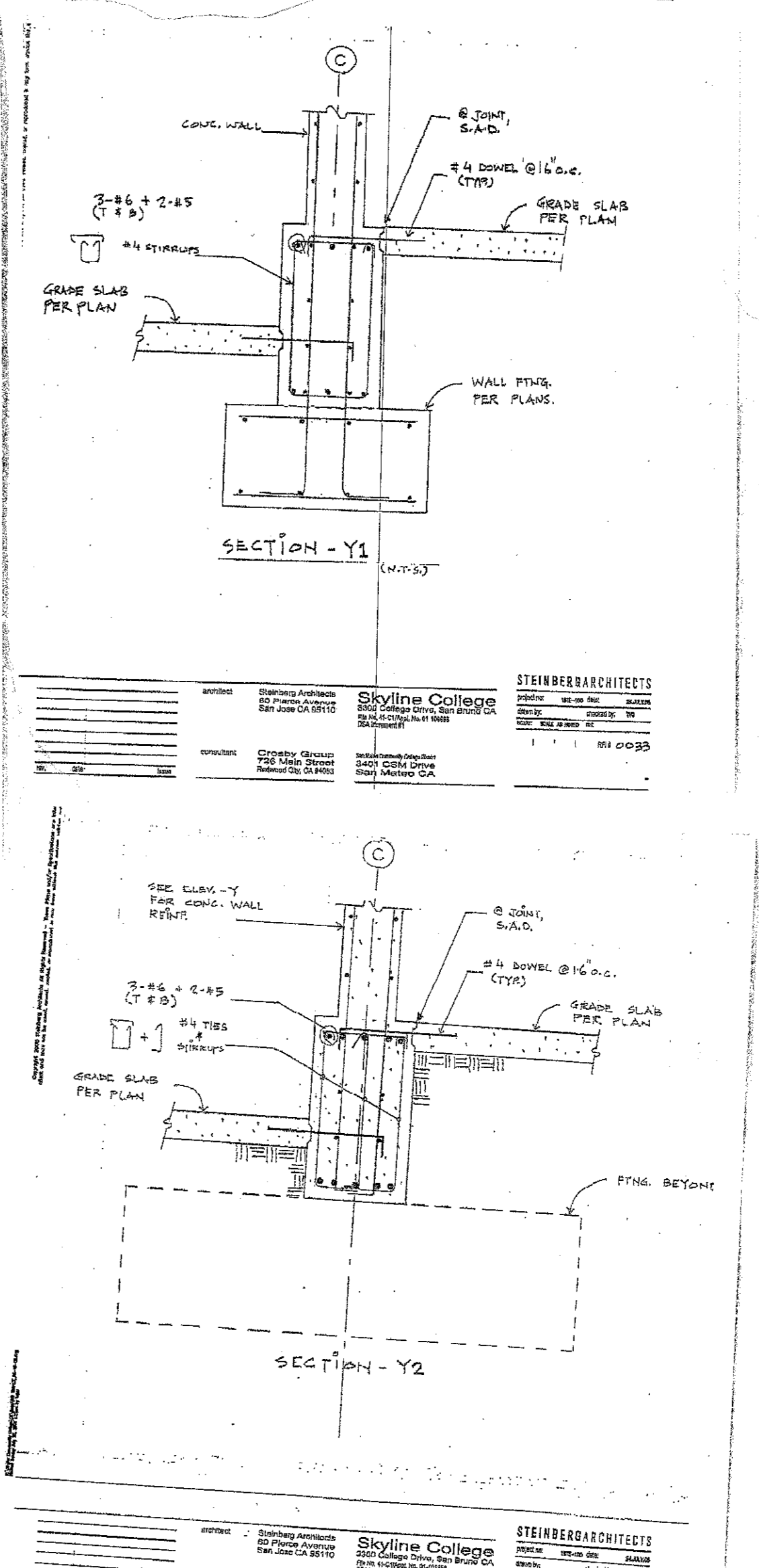
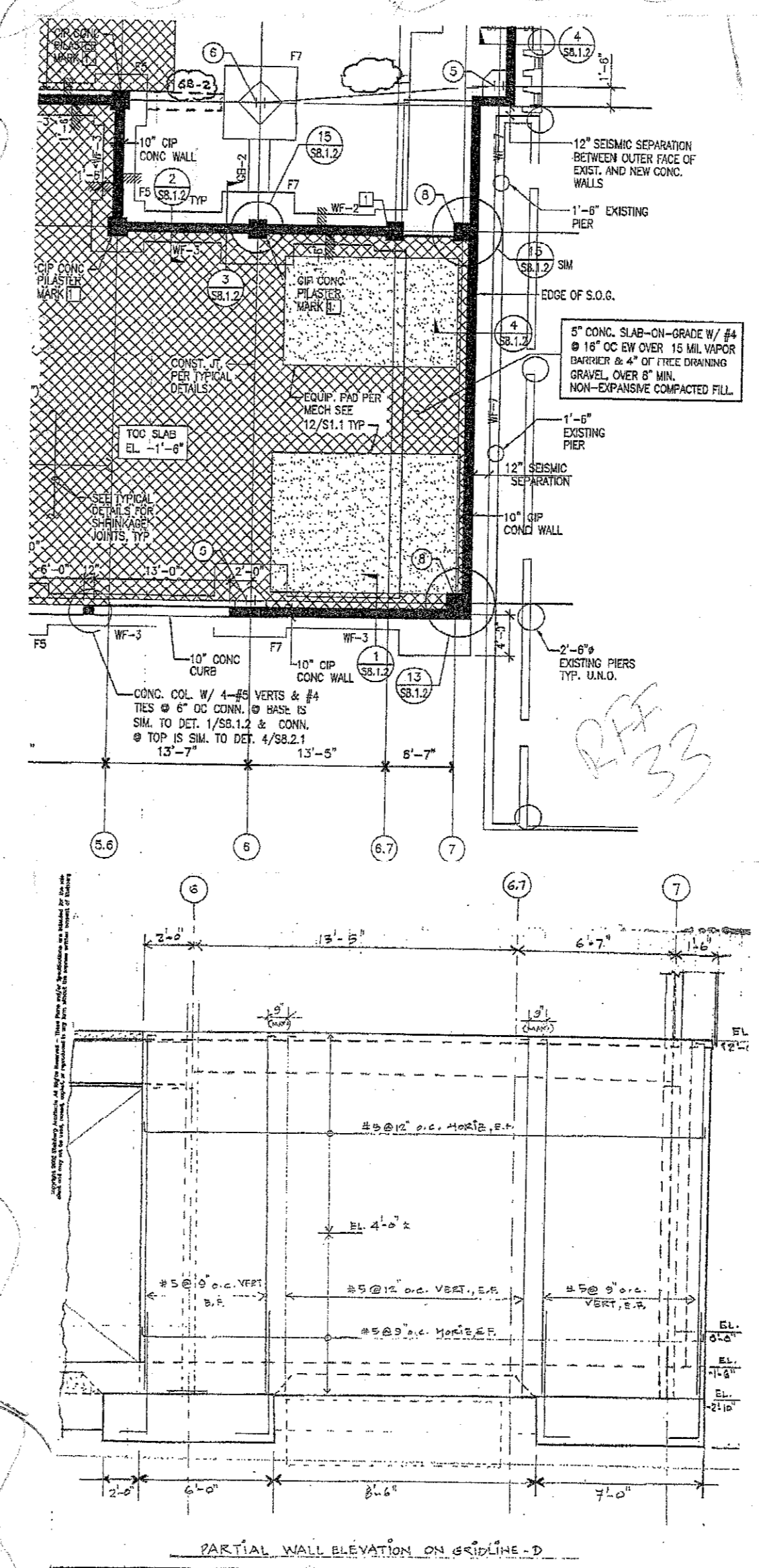
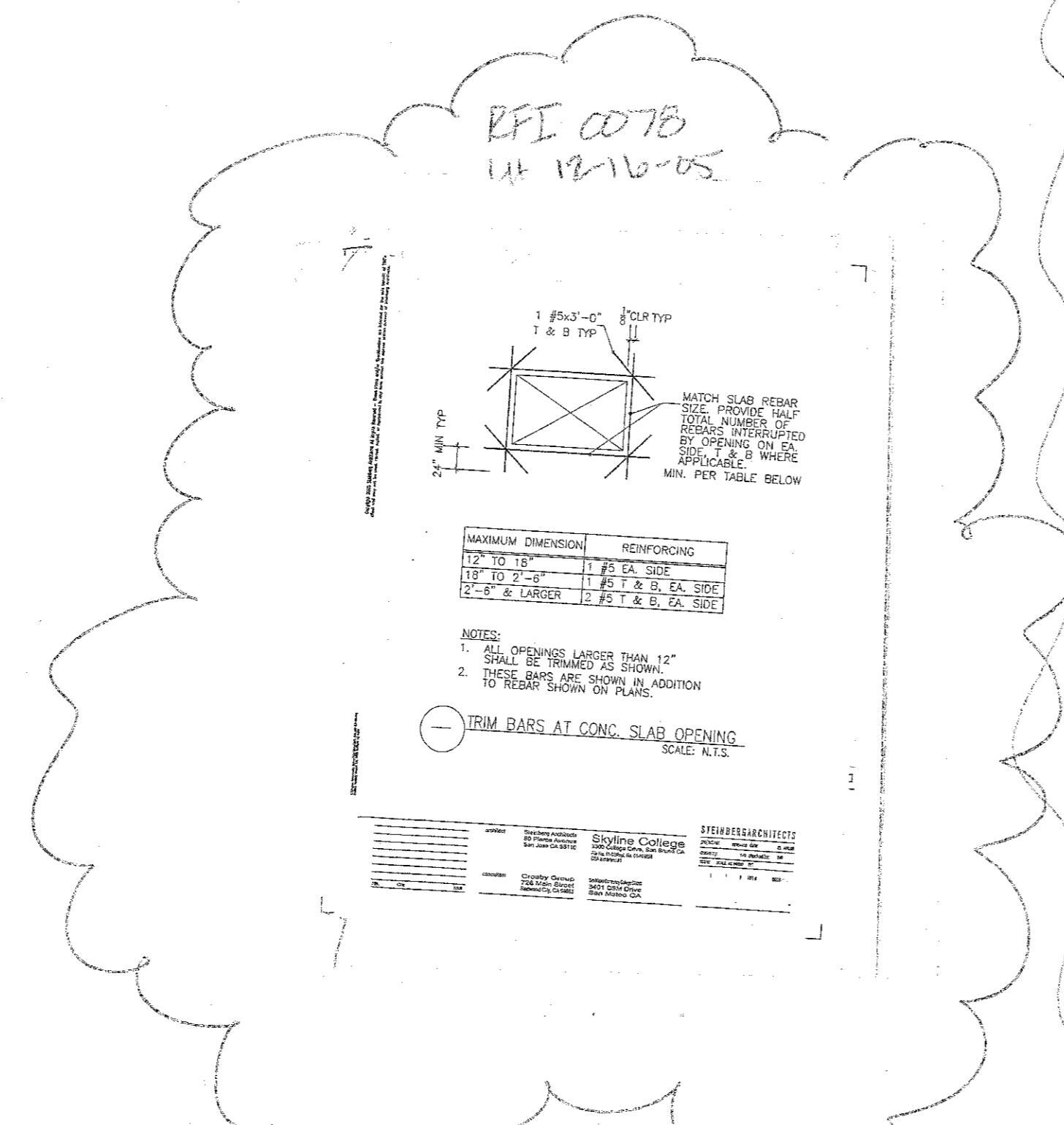
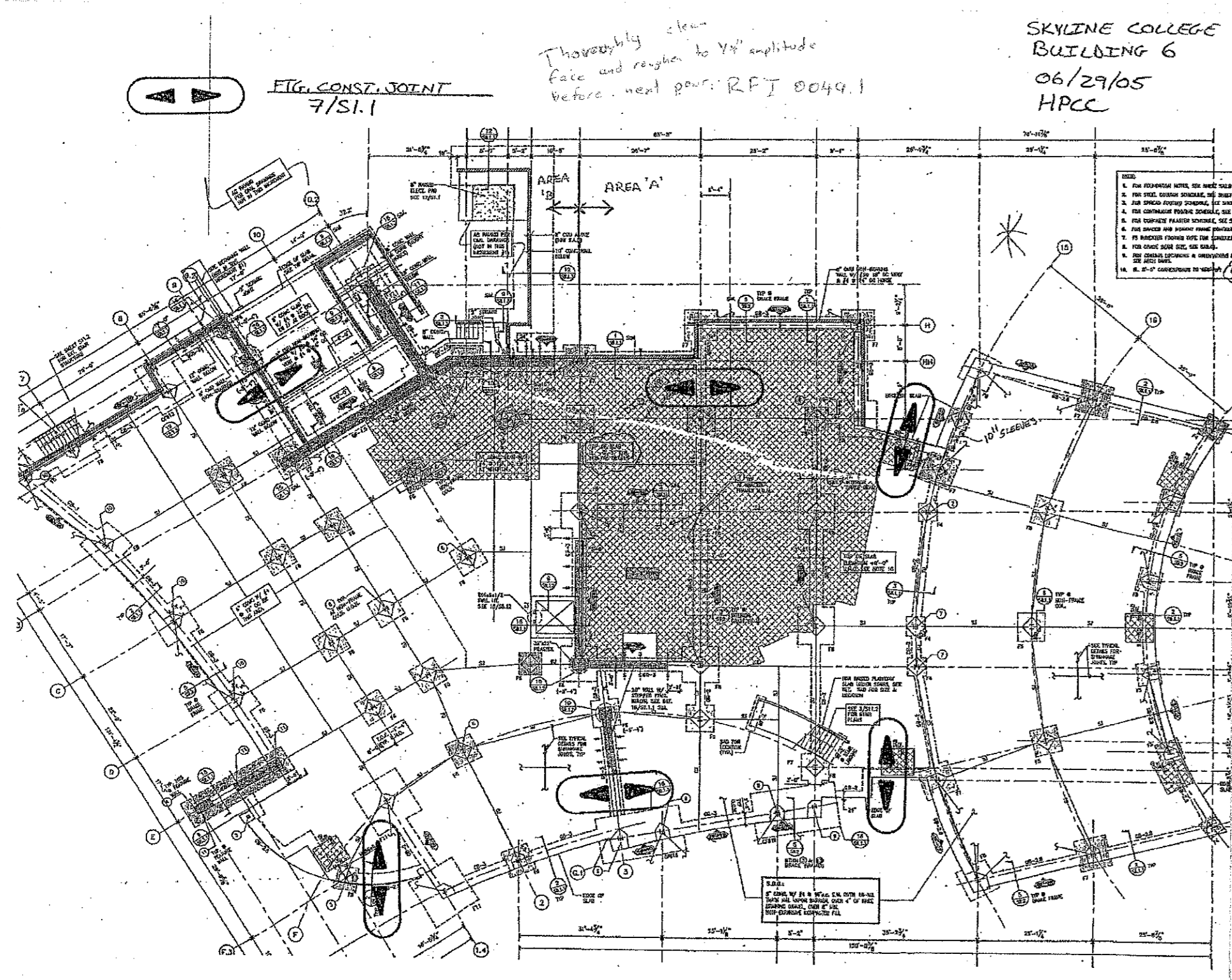
Crosby group
Structural Engineering
725 14th St.
Vancouver, BC V6C 1A4
Tel: (604) 377-8100
Fax: (604) 377-8101

Hensel Phelps Construction Co.
REGISTERED PROFESSIONAL ENGINEER
No. 43477
STRUCTURAL
STATE OF CALIFORNIA

SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94086
INCREMENT ONE - SUBMITTAL

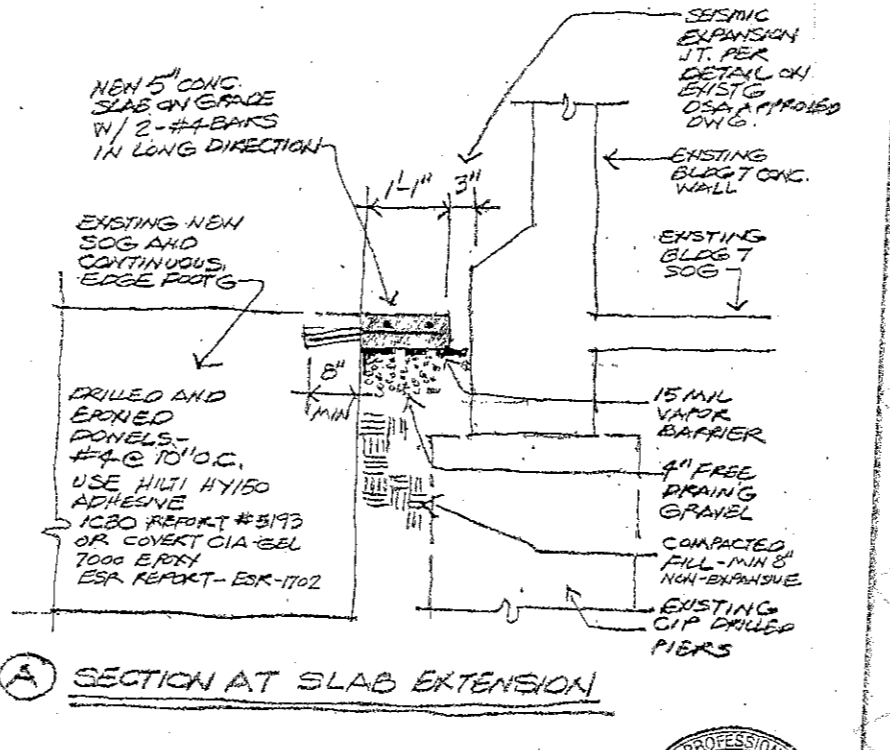
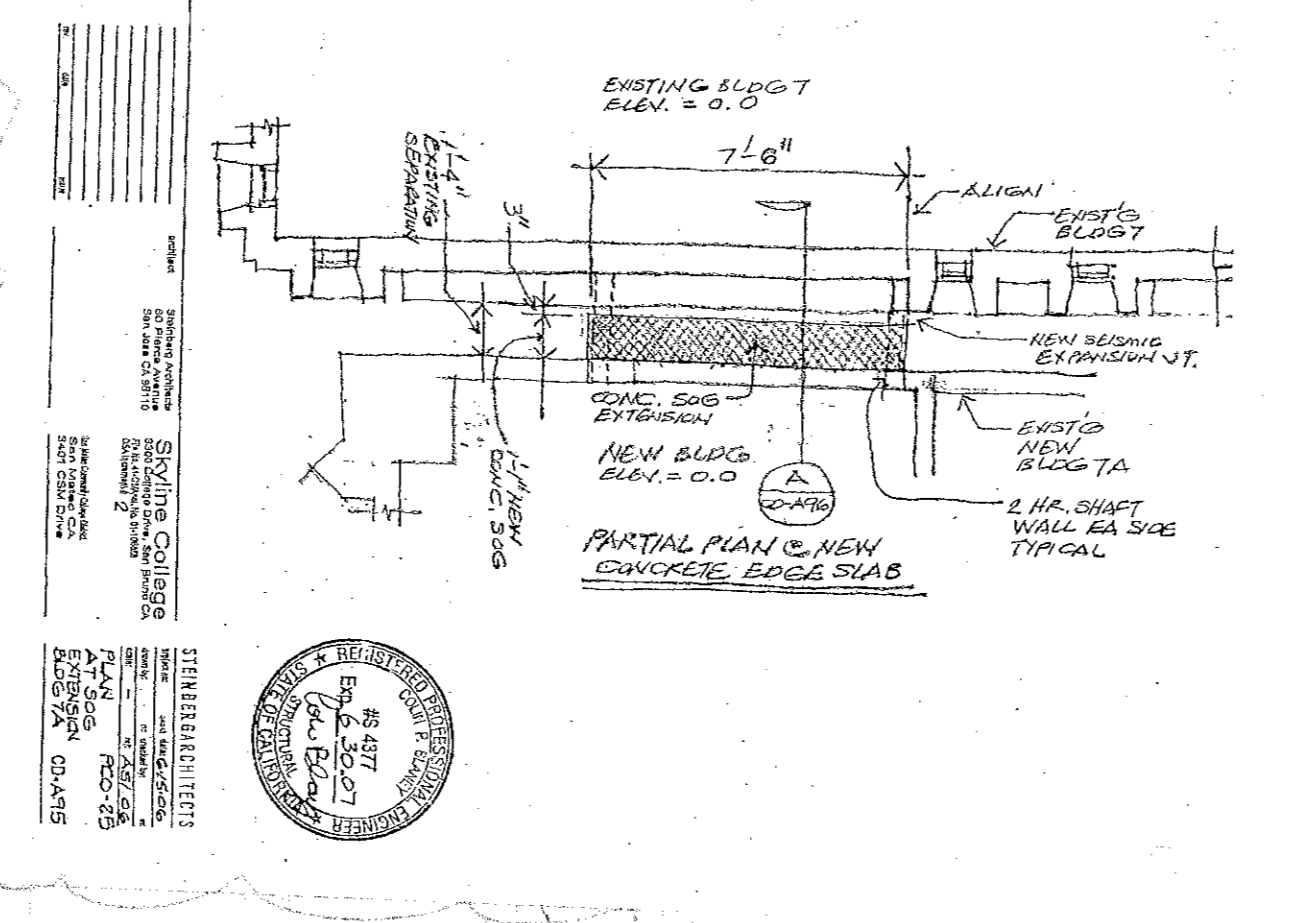
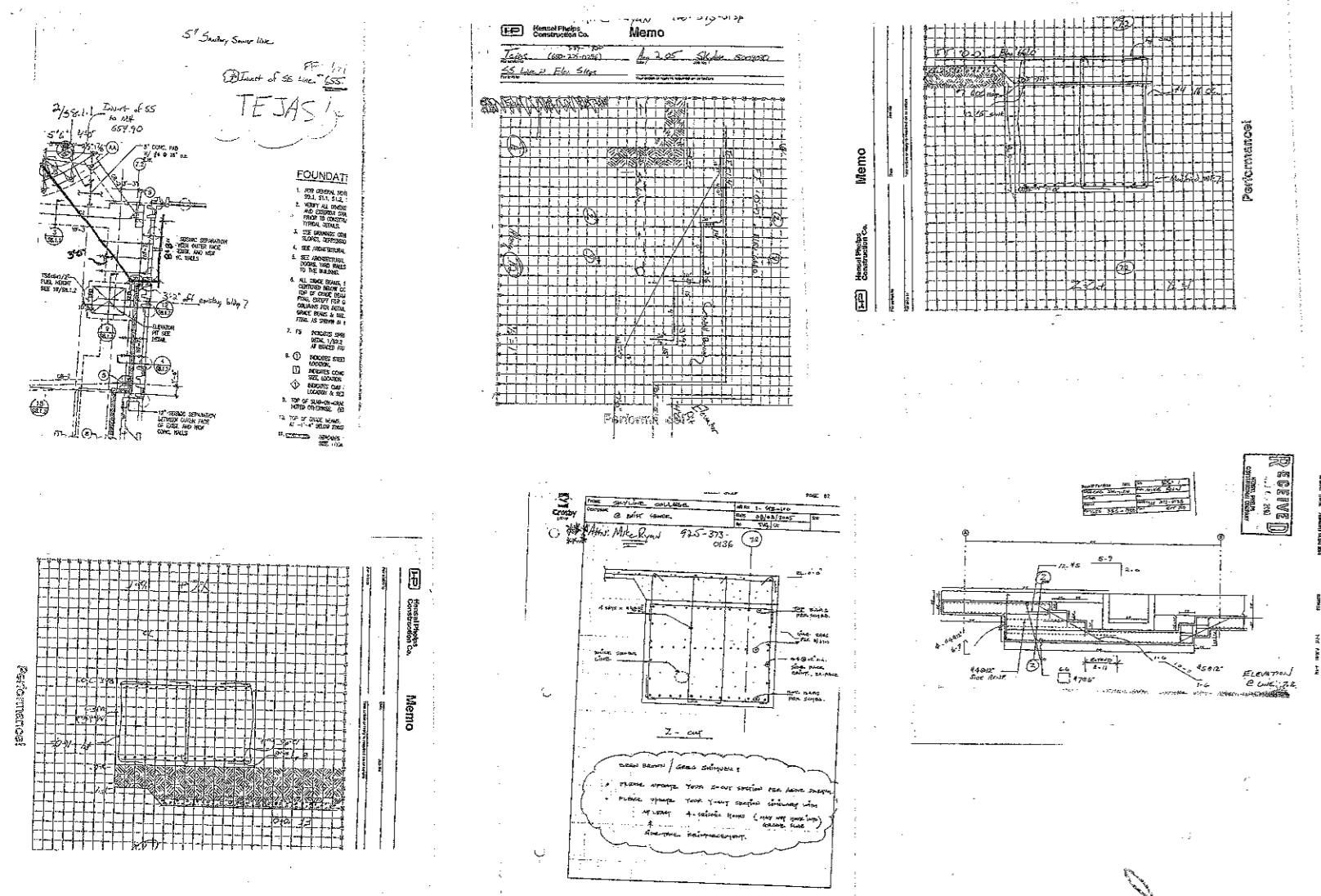
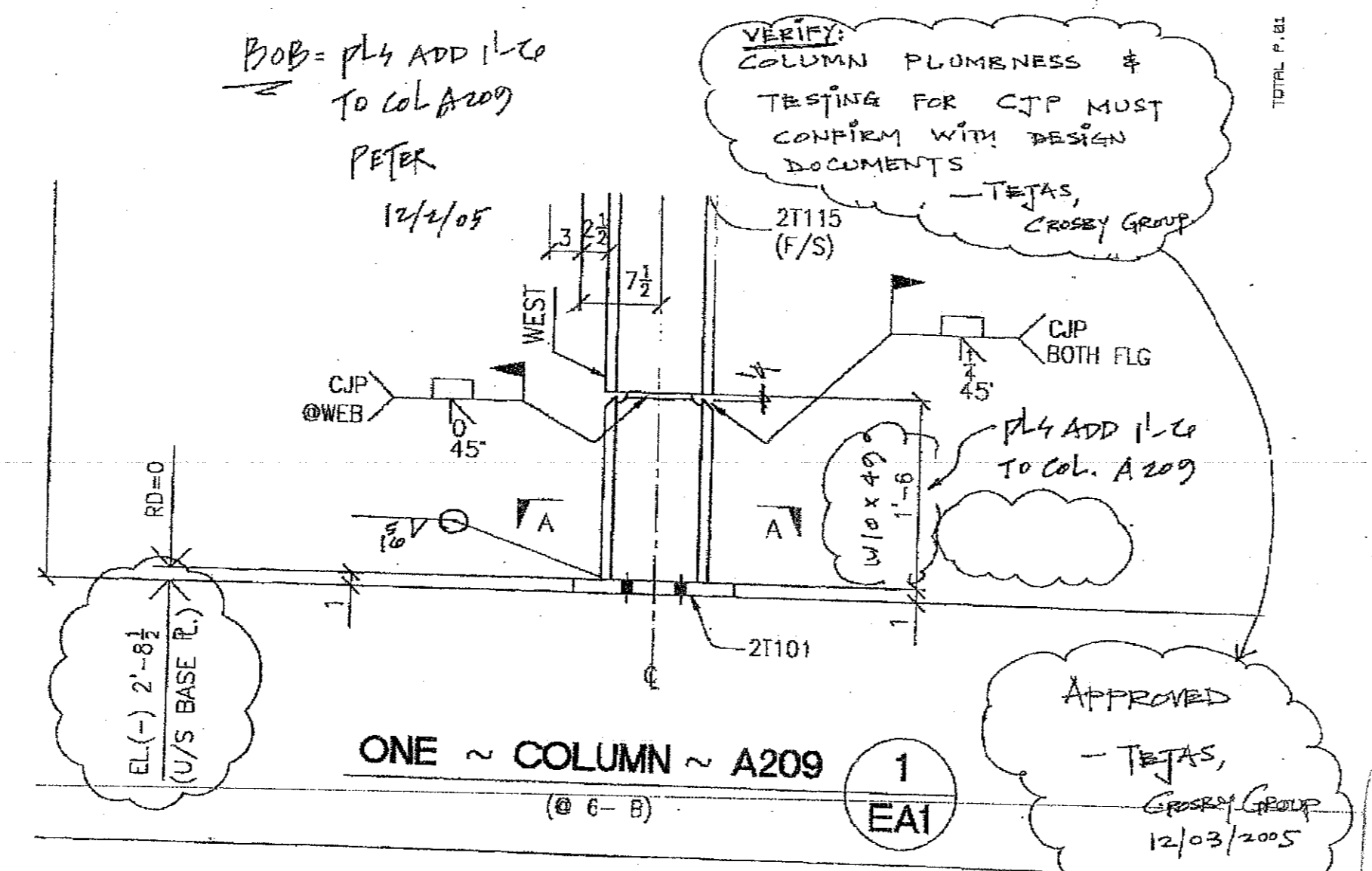
ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE: **CMU WALL DETAILS**
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER: **S1.8**



Question
 In building 7A along gridline 7.2 there are three (3) steps in the WF-7 footing between gridline A the elevator pit. In this location there is an existing line sanitary sewer line for building 7 that conflicts with the steps.
 Since we are not allowed any variance from detail 17 on sheet S1.1 Hensel Phelps Construction is proposing the following solution. See Attached Sketches.
 Please Confirm These Details.
 Hensel Phelps Construction is proceeding with these details per conversations between Hensel Phelps and Crosby Group.
Consultant Comments
 Confirmed ... Tejas, Crosby Group.
Answer
 See response from Tejas, Crosby Group.
 R. Salk

RFI 0077
 11/12/05



Question
 Please Reference Increment 1 Drawing SA2.01
 On sheet SA2.01 there is a 10\"/>

Consultant Comments
 Shows splice coupler is acceptable... however, verify constructability. Alternate bars at each end may need to be extended one lap length beyond face for splicing. Splice coupler flange should not encroach clear cover requirements...
Answer
 See comments from Tejas, Crosby Group.
 R. Salk

DAYTON/RICHMOND CONCRETE ACCESSORIES FORMING HARDWARE

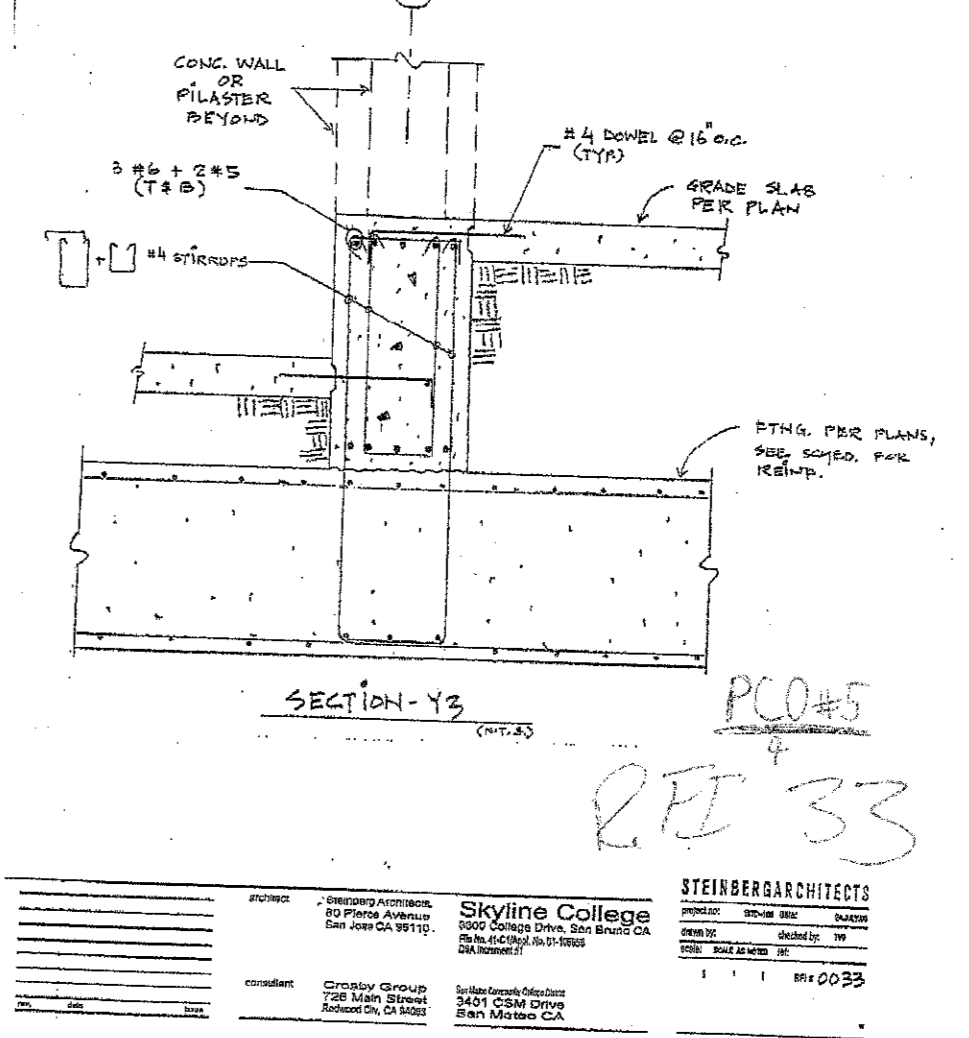
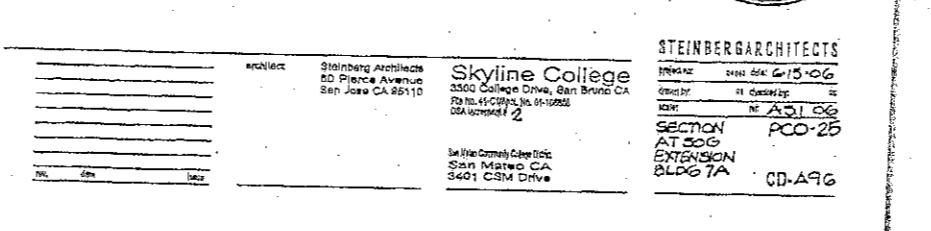
DB-SAE SPLICER (a.k.a. Richmond DB-SAE Dowel Bar Splicer)
 Dayton Richmond DB-SAE Splicer is a one-piece forged unit made from grade 60 rebar and is supplied with RC or SMC brackets depending on site. Available in bar sizes #4 through #11 in straight, hooked, double ended and end-headed configurations.

DB-SAE Splicer

DOWEL (a.k.a. Richmond Dowel)
 Dayton Richmond Dowel is manufactured from grade 60 rebar and is available in sizes #4 through #11 for use with the DB-SAE Splicer shown above. Dowels are available in straight, 90° hooked, 180° hooked and double-ended configurations.

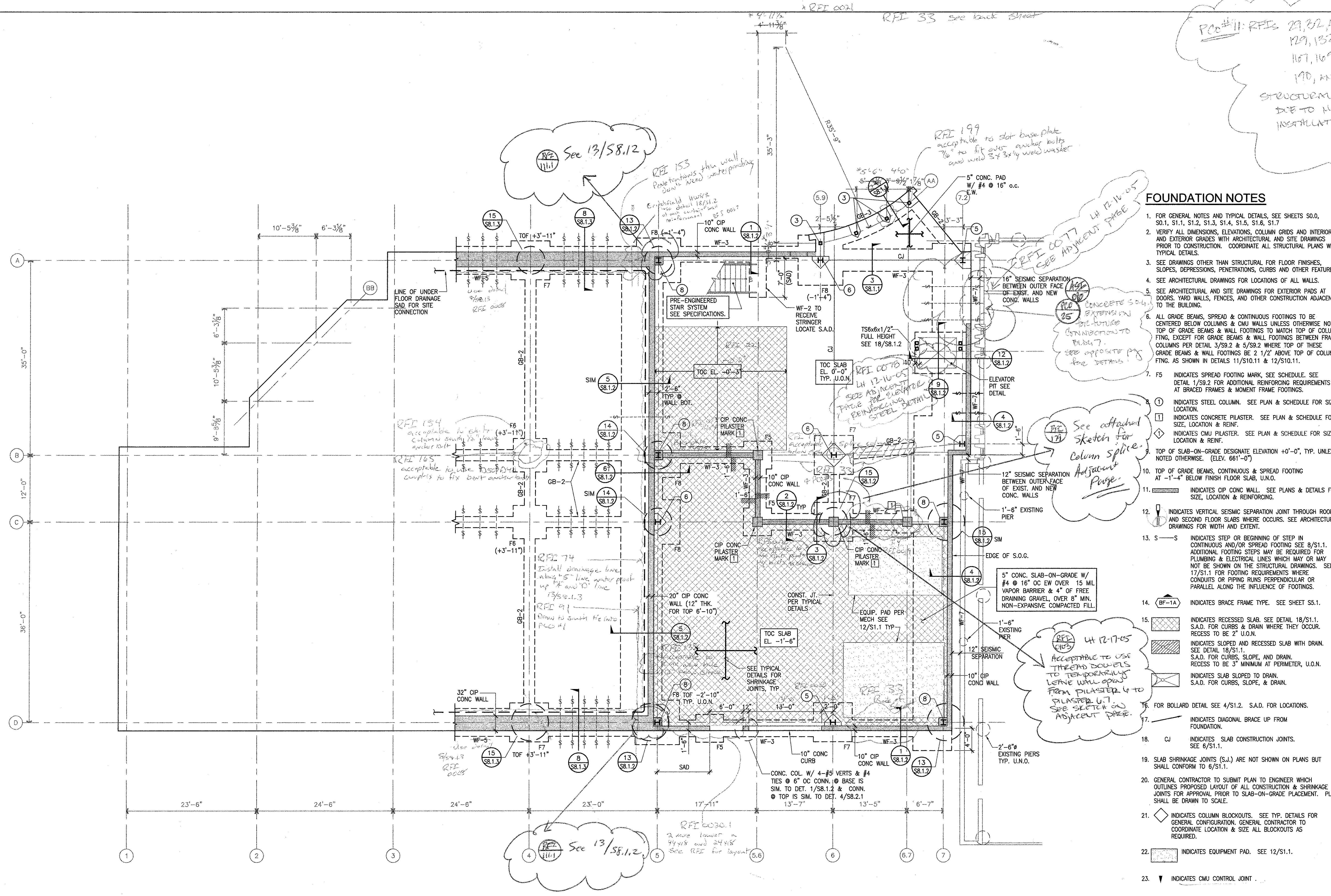
Dowels

RFI 0075
 CONCRETE S.O.B. EXTENSION DETAILS.



PC# 11: RFI 29, 32, 40, 31, 34, 1, 12, 4, 12, 10, 12, 5, 12, 9, 13, 2, 15, 1, 15, 4, 15, 6, 16, 2, 1, 16, 5, 16, 7, 16, 9, 17, 1, 17, 9, 17, 11, 17, 9, 18, 1, 18, 1, 19, 1, 19, 1.

STRUCTURAL STEEL MODIFICATIONS DUE TO MINOR FABRICATION OR INSTALLATION ERRORS



- ### FOUNDATION NOTES
- FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0.0, S0.1, S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7.
 - VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN GRIDS AND INTERIOR AND EXTERIOR GRADERS WITH ARCHITECTURAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION. COORDINATE ALL STRUCTURAL PLANS WITH TYPICAL DETAILS.
 - SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR FINISHES, SLOPES, DEPRESSIONS, PENETRATIONS, CURBS AND OTHER FEATURES.
 - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL WALLS.
 - SEE ARCHITECTURAL AND SITE DRAWINGS FOR EXTERIOR PADS AT DOORS, YARD WALLS, FENCES, AND OTHER CONSTRUCTION ADJACENT TO THE BUILDING.
 - ALL GRADE BEAMS, SPREAD & CONTINUOUS FOOTINGS TO BE CENTERED BELOW COLUMNS & CMU WALLS UNLESS OTHERWISE NOTED. TOP OF GRADE BEAMS & WALL FOOTINGS TO MATCH TOP OF COLUMN FTG., EXCEPT FOR GRADE BEAMS & WALL FOOTINGS BETWEEN FRAME COLUMNS PER DETAIL 3/S9.2 & 5/S9.2 WHERE TOP OF THESE GRADE BEAMS & WALL FOOTINGS BE 2 1/2" ABOVE TOP OF COLUMN FTG. AS SHOWN IN DETAILS 11/S10.11 & 12/S10.11.
 - F5 INDICATES SPREAD FOOTING MARK, SEE SCHEDULE. SEE DETAIL 1/S9.2 FOR ADDITIONAL REINFORCING REQUIREMENTS AT BRACED FRAMES & MOMENT FRAME FOOTINGS.
 - INDICATES STEEL COLUMN. SEE PLAN & SCHEDULE FOR SIZE, LOCATION.
 - INDICATES CONCRETE PILE. SEE PLAN & SCHEDULE FOR SIZE, LOCATION & REINFORCING.
 - INDICATES CMU PILE. SEE PLAN & SCHEDULE FOR SIZE, LOCATION & REINFORCING.
 - TOP OF SLAB-ON-GRADE DESIGNATE ELEVATION +0'-0", TYP. UNLESS NOTED OTHERWISE. (ELEV. 661'-0")
 - TOP OF GRADE BEAMS, CONTINUOUS & SPREAD FOOTING AT -1'-4" BELOW FINISH FLOOR SLAB, U.O.N.
 - INDICATES CIP CONC WALL. SEE PLANS & DETAILS FOR SIZE, LOCATION & REINFORCING.
 - INDICATES VERTICAL SEISMIC SEPARATION JOINT THROUGH ROOFS, AND SECOND FLOOR SLABS WHERE OCCURS. SEE ARCHITECTURAL DRAWINGS FOR WIDTH AND EXTENT.
 - S-S INDICATES STEP OR BEGINNING OF STEP IN CONTINUOUS AND/OR SPREAD FOOTING. SEE 8/S11.1. ADDITIONAL FOOTING STEPS MAY BE REQUIRED FOR PLUMBING & ELECTRICAL LINES WHICH MAY OR MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. SEE 17/S1.1 FOR FOOTING REQUIREMENTS WHERE CONDUCITS OR PIPING RUNS PERPENDICULAR OR PARALLEL ALONG THE INFLUENCE OF FOOTINGS.
 - INDICATES BRACE FRAME TYPE. SEE SHEET SS.1.
 - INDICATES RECESSED SLAB. SEE DETAIL 18/S1.1. S.A.D. FOR CURBS & DRAIN WHERE THEY OCCUR. RECESS TO BE 2" U.O.N.
 - INDICATES SLOPED AND RECESSED SLAB WITH DRAIN. SEE DETAIL 18/S1.1. S.A.D. FOR CURBS, SLOPE, AND DRAIN. RECESS TO BE 3" MINIMUM AT PERIMETER, U.O.N.
 - INDICATES SLAB SLOPED TO DRAIN. S.A.D. FOR CURBS, SLOPE, & DRAIN.
 - FOR BOLLARD DETAIL SEE 4/S1.2. S.A.D. FOR LOCATIONS.
 - INDICATES DIAGONAL BRACE UP FROM FOUNDATION.
 - CJ INDICATES SLAB CONSTRUCTION JOINTS. SEE 6/S1.1.
 - SLAB SHRINKAGE JOINTS (S.J.) ARE NOT SHOWN ON PLANS BUT SHALL CONFORM TO 6/S1.1.
 - GENERAL CONTRACTOR TO SUBMIT PLAN TO ENGINEER WHICH OUTLINES PROPOSED LAYOUT OF ALL CONSTRUCTION & SHRINKAGE JOINTS FOR APPROVAL PRIOR TO SLAB-ON-GRADE PLACEMENT. PLAN SHALL BE DRAWN TO SCALE.
 - INDICATES COLUMN BLOCKOUTS. SEE TYP. DETAILS FOR GENERAL CONFIGURATION. GENERAL CONTRACTOR TO COORDINATE LOCATION & SIZE ALL BLOCKOUTS AS REQUIRED.
 - INDICATES EQUIPMENT PAD. SEE 12/S1.1.
 - INDICATES CMU CONTROL JOINT.

1 SCIENCE ANNEX: FIRST FLOOR PLAN
 SCALE: 1/8"=1'-0"

CONCRETE PILASTER SCHEDULE				
MARK	SIZE	DETAIL	VERT REINF	TIES
1	20"x20"	6/SB.1.2 SIM.	8-#7	#4 @ 4" O

STEEL COLUMN SCHEDULE				
MARK	SIZE	BASE R. DETAIL	ANCHOR BOLTS	REMARKS
1	HSS 4x4x1/2"	8/SB.1.1	PER BASE R. DET.	-
2	HSS 5x5x1/2"	8/SB.1.1	PER BASE R. DET.	-
3	HSS 6x6x1/2"	8/SB.1.1	PER BASE R. DET.	-
4	HSS 5 1/2x5 1/2x1/4"	8/SB.3.2	PER BASE R. DET.	-
5	W10x33	7/SB.1.1	PER BASE R. DET.	-
6	W10x49	7/SB.1.1	PER BASE R. DET.	SEE S10.11 AT BRACE FRAMES
7	W12x50	4/S10.11	PER BASE R. DET.	SEE S10.11 AT BRACE FRAMES
8	W12x96	4/S10.11	PER BASE R. DET.	SEE S10.11 AT BRACE FRAMES
9	W14x68	8/S10.11	PER BASE R. DET.	SEE S10.11 AT BRACE FRAMES
10	W14x159	8/S10.11	PER BASE R. DET.	SEE S10.11 AT MOMENT FRAMES, DOUBLER PLATE NOT REQ'D.
11	W18x50	7/SB.1.1	PER BASE R. DET.	-

NOTES:
 1. ADD DOUBLER PLATES AS NOTED ONLY IF COLUMN IS PART OF A MOMENT FRAME (SEE SHEET S1.7)
 2. BASE PLATE REFERENCED APPLIES UNLESS AN ALTERNATE DETAIL IS SPECIFICALLY NOTED ON PLANS
 3. WHERE COLUMN IS PART OF A BRACED FRAME OR MOMENT FRAME, USE BASE PLATE FOR BRACED FRAME. SEE S10.11, U.O.N.

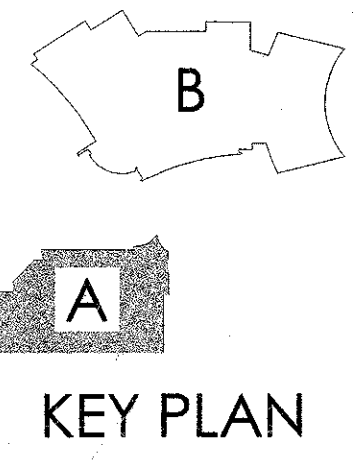
RFI 40
 All Gravity columns to have embedment of 12" anchor bolts

SPREAD FOOTING SCHEDULE					
MARK	SIZE	DEPTH	BOTTOM REINF	TOP REINF	REMARKS
F3	3'-0"x3'-0"	1'-6"	6-#4 E.W.	4-#4 E.W.	HOOK ENDS
F4	4'-0"x4'-0"	1'-6"	8-#4 E.W.	4-#4 E.W.	HOOK ENDS
F5	5'-0"x5'-0"	1'-6"	10-#4 E.W.	5-#4 E.W.	HOOK ENDS
F6	6'-0"x6'-0"	2'-0"	12-#5 E.W.	6-#4 E.W.	AT NON-FRAME COLS
	6'-0"x6'-0"	2'-0"	12-#5 E.W.	12-#5 E.W.	AT FRAME COLS
F7	7'-0"x7'-0"	2'-0"	14-#5 E.W.	14-#5 E.W.	AT FRAME COLS
	7'-0"x7'-0"	2'-0"	14-#5 E.W.	7-#4 E.W.	AT NON-FRAME COLS
F8	8'-0"x8'-0"	2'-6"	16-#5 E.W.	16-#5 E.W.	-
F9	9'-0"x9'-0"	2'-6"	18-#5 E.W.	18-#5 E.W.	-
F10	10'-0"x10'-0"	3'-0"	20-#6 E.W.	20-#6 E.W.	-
F11	11'-0"x11'-0"	3'-6"	22-#6 E.W.	22-#6 E.W.	-
CF-47	4'-6"x7'-0"	2'-0"	#508"OC EW	#4016"OC EW	-
CF-510	5'-0"x10'-0"	3'-0"	#508"OC EW	#506"OC EW	-
CFB18	8'-0"x18'-6"	2'-6"	#508"OC EW	#506"OC EW	SEE 18/SB.1.3
CFB12	8'-0"x13'-0"	2'-6"	#508"OC EW	#506"OC EW	SEE 19/SB.1.3

CONTINUOUS FOOTING SCHEDULE					
MARK	WIDTH	DEPTH	BOTTOM REINF	TOP REINF	TRANS. REINF.
WF-1.5	1'-6"	1'-6"	2-#5	1-#5	---
WF-2	2'-0"	1'-6"	3-#5	1-#5	---
WF-2.5	2'-6"	1'-6"	3-#5	3-#5	---
WF-3	3'-0"	1'-6"	4-#6	4-#6	#406"OC T&B
WF-3.5	3'-6"	1'-6"	5-#5	2-#5	---
WF-4	4'-0"	1'-6"	6-#5	3-#5	---
WF-4.5	4'-6"	1'-6"	7-#5	4-#5	---
WF-5	5'-0"	1'-6"	9-#5	5-#5	#406"OC T&B
WF-6	6'-0"	2'-6"	10-#5	5-#5	---
WF-7	7'-0"	2'-0"	12-#5	12-#5	#706"OC T&B
WF-8	8'-0"	2'-0"	14-#5	6-#5	---

KEY PLAN					
MARK	WIDTH	DEPTH	BOTTOM REINF	TOP REINF	TRANS. REINF.
GB-2	2'-0"	1'-6"	3-#5	3-#5	TIES #308" OC
GB-2.5	2'-6"	2'-0"	5-#5	5-#5	TIES #408" OC
GB-2.8	2'-8"	2'-0"	5-#5	5-#5	TIES #408" OC
GB-3	3'-0"	2'-0"	5-#5	5-#5	TIES #408" OC
GB-3.5	3'-6"	2'-0"	7-#6	7-#6	TIES #408" OC
GB-4	4'-0"	2'-0"	8-#6	8-#6	TIES #408" OC
GB-6	6'-0"	2'-0"	12-#6	12-#6	TIES #408" OC

1. SPLICE GRADE BEAM REINF WITHIN MIDDLE 1/3 OF SPAN BETWEEN EDGES OF ADJACENT SPREAD FOOTINGS.



ISSUED FOR: DATE:
 DSA - INC #1 10.21.04

IDENTIFICATION STAMP
 OFFICE OF REGULATION SERVICES
 DATE: 10/21/04
 BY: [Signature]

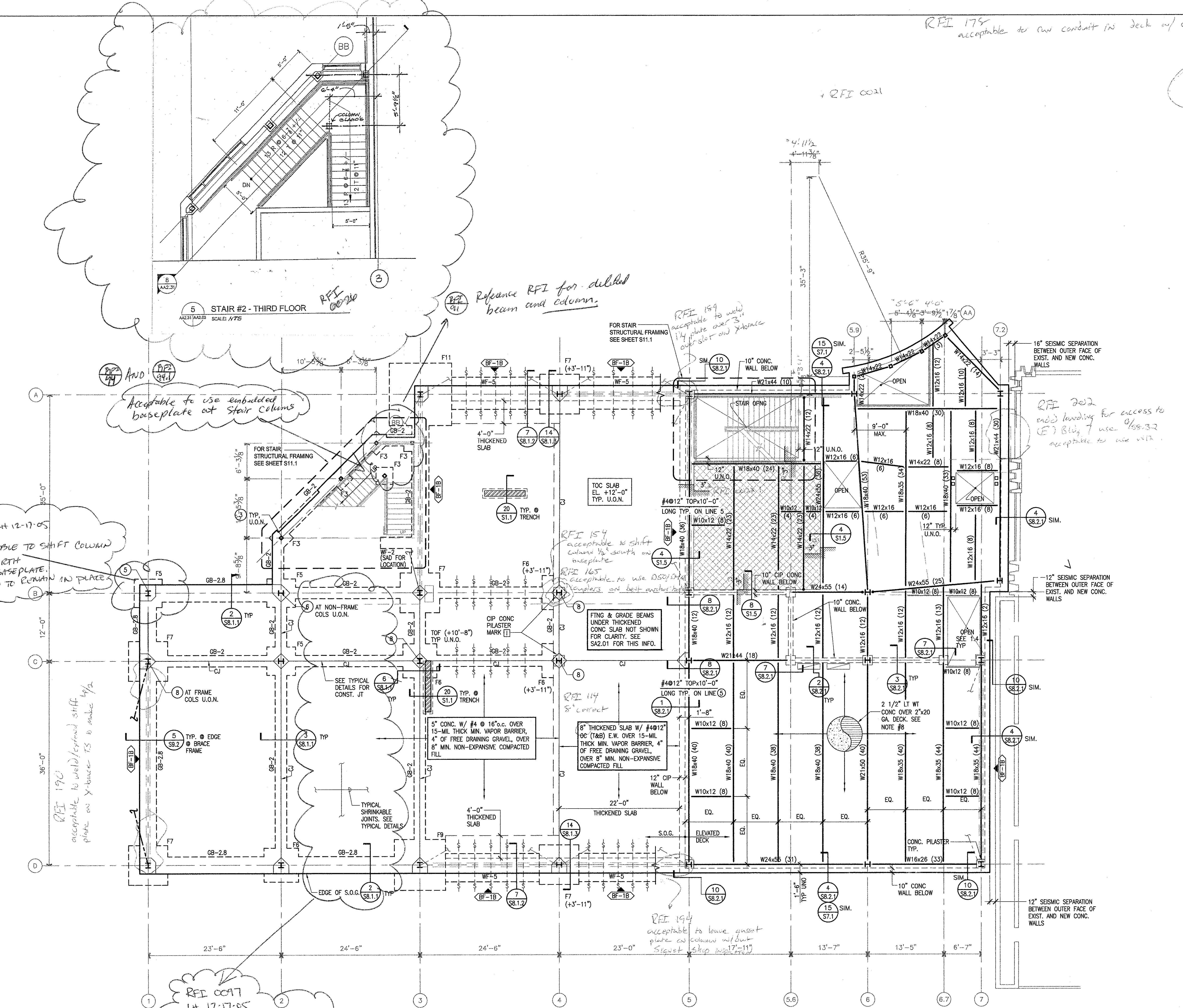
DRAWING TITLE
BUILDING A FIRST FLOOR PLAN
 DATE: 10.21.04
 PROJECT # 04043
 SHEET NUMBER

SA2.01

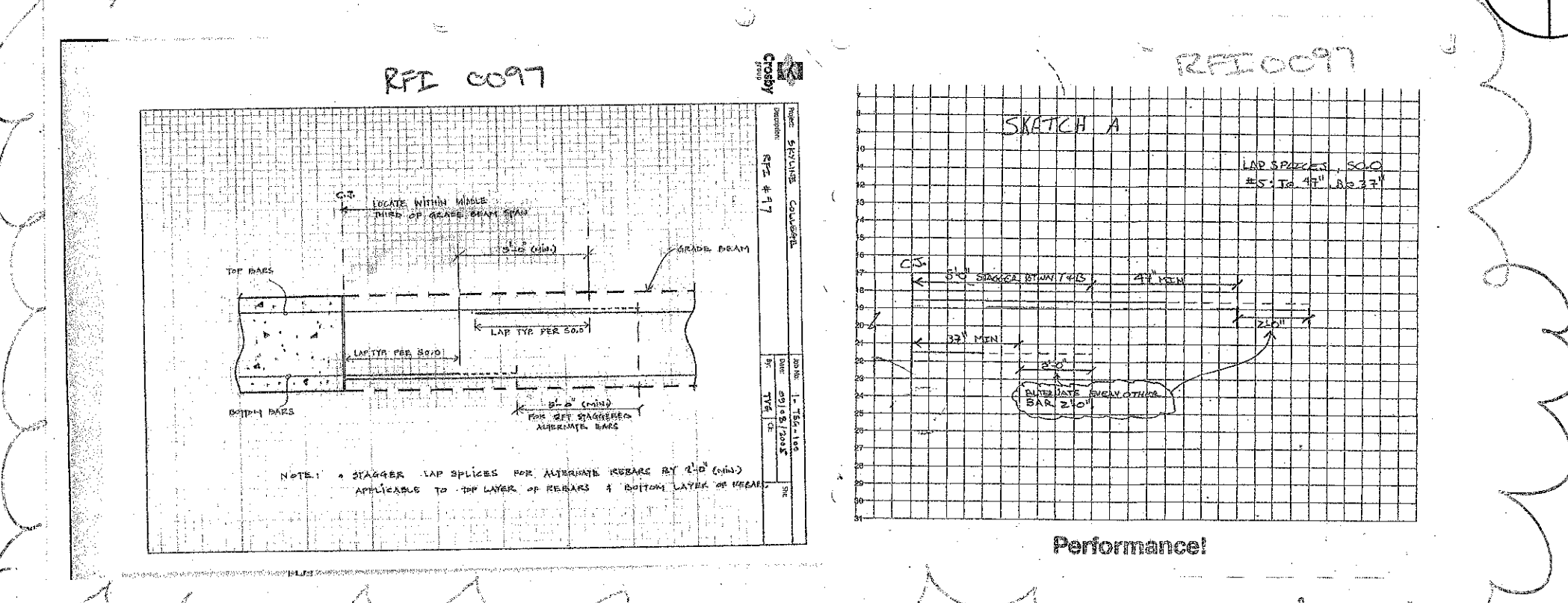
RFI 175 acceptable to run conduit in deck w/ crosses in low flutes
RFI 001
RFI 174 acceptable to use embedded baseplate at stair columns
RFI 190 acceptable to weld/ground shift plate on Y-brace FS to make
RFI 190 acceptable to shift column 3/4" NORTH ON BASEPLATE. COLUMN TO REMAIN IN PLACE.
RFI 190 acceptable to weld/ground shift plate on Y-brace FS to make
RFI 007 acceptable to install construction joints at middle third of grade beams at G, B, C, D, E, F. FOR DETAILED SKETCHES.
RFI 175 acceptable to run conduit in metal decks

SECOND FLOOR FRAMING NOTES

- 1. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0.0, S0.1 S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7.
- 2. "C" INDICATES BEAM CAMBER.
- 3. FOR METAL DECK PROPERTIES, ATTACHMENTS AND DETAILS SEE SHEET S1.3.
- 4. VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN GRIDS AND INTERIOR AND EXTERIOR GRADES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- 5. SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR AND WALL FINISHES, SLOPES, DEPRESSIONS, PENETRATIONS, CURBS AND EXACT NUMBERS AND LOCATIONS OF EQUIPMENT SUPPORTED ON THE FLOOR AND/OR SUSPENDED BELOW THE FLOOR. SEE MECHANICAL DRAWINGS FOR FLOOR MOUNTED EQUIPMENT SUPPORTS.
- 6. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL WALLS.
- 7. S.A.D. FOR LOCATION AND EXTENT OF TAPERED INSULATION.
- 8. DENOTES MIN. 2 1/2" LT. WT. TOPPING OVER GALVANIZED METAL DECK (3 SPAN MIN. EXCEPT WHERE NOTED). SEE SHEET S1.3 FOR ADDITIONAL DETAILS (SEE PLAN FOR SLAB ELEVATION). PROVIDE MINIMUM WELDED WIRE REINFORCEMENT 4x4 - W5 x W5 THROUGHOUT. SEE SHEET S0.0 FOR W/W LAP SPURCE LENGTH.
- 9. DENOTES GALVANIZED METAL DECK. SEE PLAN FOR GAGE AND DIRECTION. REFER TO SHEET S1.3 FOR ADDITIONAL INFORMATION.
- 10. INDICATES VERTICAL SEISMIC SEPARATION JOINT THROUGH ROOFS, AND SECOND FLOOR SLABS WHERE OCCURS. SEE DRAWINGS FOR WIDTH AND EXTENT.
- 11. UNLESS OTHERWISE SHOWN, USE C8X11.5 TO SUPPORT ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL EQUIPMENT GREATER THAN 200#, OR DECK OPENING GREATER THAN 24" PERPENDICULAR TO METAL DECK DIRECTION. SEE DETAIL 1/51.4.
- 12. SEE DETAIL 12/S1.4 FOR SUPPORT AT SMALL FLOOR & ROOF OPENINGS.
- 13. INDICATES TYPICAL MECHANICAL/PLUMBING FLOOR PENETRATION. SEE 1 & 12/S1.4 FOR SUPPORT.
- 14. ALL STEEL BEAMS SHOWN BEAR ON THE CENTER OF STEEL OR CONCRETE COLUMNS OR WALLS (WHERE APPLICABLE) OR SHALL BE EQUALLY SPACED BETWEEN DECK BEARING POINTS. U.N.O.
- 15. ALL MECHANICAL UNITS AND FLOOR PENETRATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR TO COORDINATE WITH UNIT MANUFACTURER, ARCHITECTURAL, AND MECHANICAL DRAWINGS FOR ACTUAL SIZE AND LOCATION.
- 16. [28] INDICATES THE NUMBER OF 3/4" H.A.S. SEE 14/S1.3.
- 17. INDICATES RECESSED SLAB. RECESS TO BE 3" U.O.N. S.A.D. FOR CURBS AND DRAIN WHERE THEY OCCUR.
- 18. INDICATES SLAB SLOPED TO DRAIN 1 1/4" MAX. S.A.D. FOR CURBS, SLOPE, & DRAIN.
- 19. INDICATES DIAGONAL BRACE UP FROM 2ND FLOOR.
- 20. INDICATES STEEL WELDED MOMENT CONNECTION WITH REDUCED BEAM SECTION PER SHEET S1.7. SEE ALSO S1.5 AND S1.6 FOR CANTILEVER BEAM AND COLUMN CONNECTION TO PERPENDICULAR BEAMS AND COLUMNS AT NON-MOMENT FRAME COLUMN BAYS.
- 21. STEEL BEAMS WHICH HAVE SPECIFIED OR INCIDENTAL SHOP CAMBER SHALL BE PLACED WITH CAMBER UP IN ALL LOCATIONS U.O.N.
- 22. INDICATES VERO SHEAR TRANS II (OR EQUAL) REQUIRED AT ALL DECK SUPPORTS. SEE PLAN.
- 23. INDICATES BEAM TO COLUMN OR BEAM TO BEAM COLLECTOR CONNECTION. SEE DET. SHEET S1.6.
- 24. INDICATES SLIP CRITICAL CONNECTION. TIGHTEN PER TABLE J3.7 AISC MANUAL OF STEEL CONSTRUCTION (LATEST EDITION)
- 25. INDICATES TYPICAL ROOF DRAIN. SEE ARCH/MECH/PLUMBING DRAWINGS AND 12/S1.4 FOR DECK SUPPORT.
- 26. SEE SA2.01 FOR TYP. FOUNDATION NOTES & SCHEDULE.
- 27. TOP OF FOOTING ELEVATION IS 1'-4" BELOW TOP OF SLAB UNLESS NOTED OTHERWISE.



1 SCIENCE ANNEX: SECOND FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"



KEY PLAN

REVIEW SET

20050420, 1827537 K1 Skyline Community College Design Inc. Rev. 11 SKY-SA2.02.dwg

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RFI 322

Hensel Phelps Construction Co. **Memo**

Send to: 7/17/05

RFI: 0322 SECTION: A

3/4" DIA.

5'-0"

5' DIA. @ 74.30' RIG. SHFT

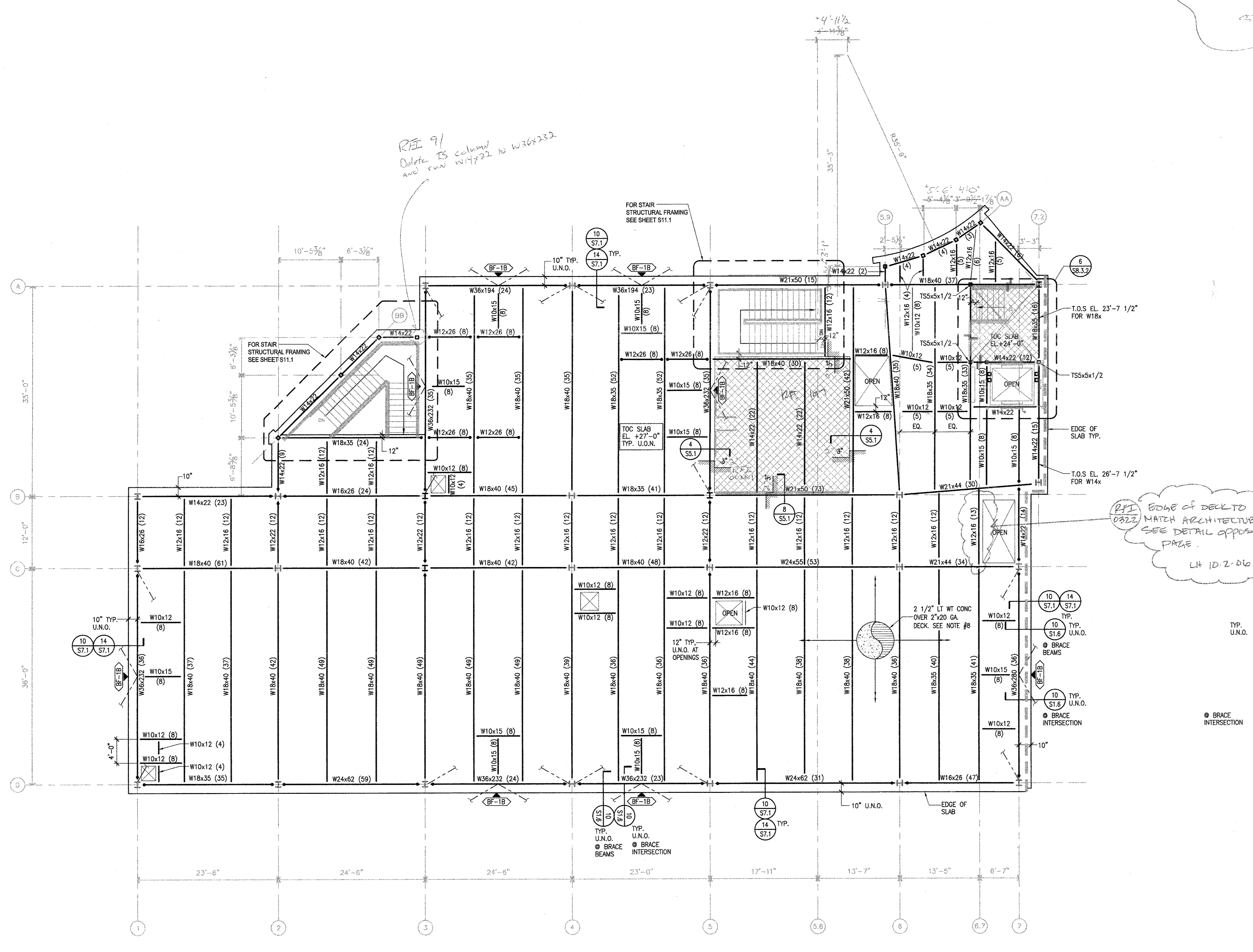
Performance!

RFI #11: RFIs 29, 32, 40, 91, 94, 1, 12A, 12B, 128, 129, 132, 151, 154, 156, 162, 1, 165, 167, 169, 170, 176, 177, 179, 180, 170 and 191.
STRUCTURAL STEEL MODIFICATIONS DUE TO LINCOLN DECK W/ APPLICATIONS OR INSTALLATION.

THIRD FLOOR FRAMING NOTES

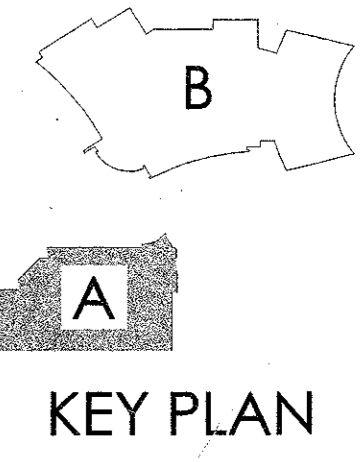
- FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0.0, S0.1 S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7.
- "C" INDICATES BEAM CAMBER.
- FOR METAL DECK PROPERTIES, ATTACHMENTS AND DETAILS SEE SHEET S1.3.
- VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN GRIDS AND INTERIOR AND EXTERIOR GRADES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR AND WALL FINISHES, SLOPES, DEPRESSIONS, PENETRATIONS, CURBS AND EXACT NUMBERS AND LOCATIONS OF EQUIPMENT SUPPORTED ON THE FLOOR AND/OR SUSPENDED BELOW THE FLOOR. SEE MECHANICAL DRAWINGS FOR FLOOR MOUNTED EQUIPMENT SUPPORTS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL WALLS.
- S.A.D. FOR LOCATION AND EXTENT OF TAPERED INSULATION.
- ⊙ DENOTES MIN. 2 1/2" LT. WT. TOPPING OVER GALVANIZED METAL DECK (3 SPAN MIN. EXCEPT WHERE NOTED). SEE SHEET S1.3 FOR ADDITIONAL DETAILS (SEE PLAN FOR SLAB ELEVATION). PROVIDE MINIMUM WELDED WIRE REINFORCEMENT 4x4 - W6 x W6 THROUGHOUT. SEE SHEET S0.0 FOR WIRE LAP SPICE LENGTH.
- ⊙ DENOTES GALVANIZED METAL DECK. SEE PLAN FOR GAGE AND DIRECTION REFER TO SHEET S1.3 FOR ADDITIONAL INFORMATION.
- T.O.W. DENOTES TOP OF WALL ELEVATION.
T.O. SLAB DENOTES TOP OF CONCRETE TOPPING SLAB.
T.O. STEEL DENOTES TOP OF STEEL ELEVATION.
- INDICATES VERTICAL SEISMIC SEPARATION JOINT THROUGH ROOFS, AND SECOND FLOOR SLABS WHERE OCCURS. SEE DRAWINGS FOR WIDTH AND EXTENT.
- UNLESS OTHERWISE SHOWN, USE C8X11.5 TO SUPPORT ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL EQUIPMENT GREATER THAN 200# OR DECK OPENING GREATER THAN 24" PERPENDICULAR TO METAL DECK DIRECTION. SEE DETAIL 1/S1.4.
- SEE DETAIL 12/S1.4 FOR SUPPORT AT SMALL FLOOR & ROOF OPENINGS.
- INDICATES TYPICAL MECHANICAL/PLUMBING FLOOR PENETRATION. SEE 1 & 12/S1.4 FOR SUPPORT.
- ALL STEEL BEAMS SHOWN BEAR ON THE CENTER OF STEEL OR CONCRETE COLUMNS OR WALLS (WHERE APPLICABLE) OR SHALL BE EQUALLY SPACED BETWEEN DECK BEARING POINTS, U.N.O.
- ALL MECHANICAL UNITS AND FLOOR PENETRATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR TO COORDINATE WITH UNIT MANUFACTURER, ARCHITECTURAL, AND MECHANICAL DRAWINGS FOR ACTUAL SIZE AND LOCATION.
- [28] INDICATES THE NUMBER OF 3/4" H.A.S. SEE 14/S1.3.
- INDICATES RECESSED SLAB. RECESS TO BE 3" U.N.O. S.A.D. FOR CURBS AND DRAIN WHERE THEY OCCUR.
- INDICATES SLAB SLOPED TO DRAIN 1/4" MAX. S.A.D. FOR CURBS, SLOPE, & DRAIN.
- INDICATES DIAGONAL BRACE UP FROM 2ND OR 3RD FLOOR.
- INDICATES DIAGONAL BRACE DOWN FROM ROOF, OR 3RD, OR SECOND LEVEL.
- INDICATES STEEL WELDED MOMENT CONNECTION WITH REDUCED BEAM SECTION PER SHEET S1.7. SEE ALSO S1.5 AND S1.6 FOR CANTILEVER BEAM AND COLUMN CONNECTION TO PERPENDICULAR BEAMS AND COLUMNS AT NON-MOMENT FRAME COLUMN BAYS.
- STEEL BEAMS WHICH HAVE SPECIFIED OR INCIDENTAL SHOP CAMBER SHALL BE PLACED WITH CAMBER UP IN ALL LOCATIONS U.N.O.
- INDICATES VERO SHEAR TRANS II (OR EQUAL) REQUIRED AT ALL DECK SUPPORTS. SEE PLAN.
- INDICATES BEAM TO COLUMN OR BEAM TO BEAM COLLECTOR CONNECTION. SEE DET. SHEET S1.6.
- INDICATES SLIP CRITICAL CONNECTION. TIGHTEN PER TABLE J3.7 AISC MANUAL OF STEEL CONSTRUCTION (LATEST EDITION)
- INDICATES TYPICAL ROOF DRAIN. SEE ARCH/MECH/PLUMBING DRAWINGS AND 12/S1.4 FOR DECK SUPPORT.
- SEE SA2.01 FOR TYP. FOUNDATION NOTES & SCHEDULE.

RFI #11: EDGE OF DECK TO MATCH ARCHITECTURE. SEE DETAIL OPPOSITE PAGE.
LH ID. 2-010



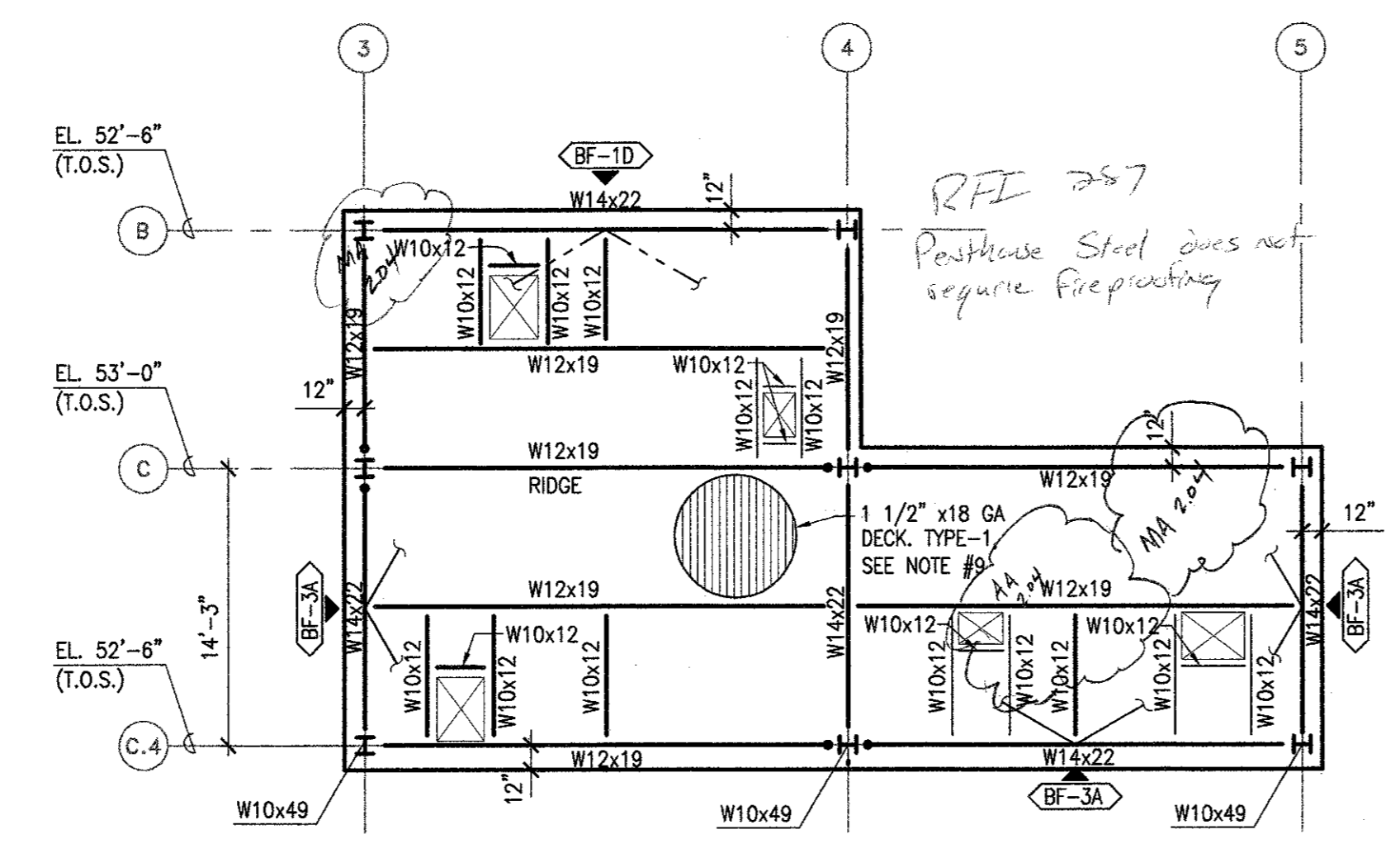
TRUE NORTH
1 SCIENCE ANNEX: THIRD FLOOR FRAMING PLAN
SCALE: 1/8" = 1' - 0"

RFI #11: Okay to per camber in metal decks
RFI #12: SEE DETAIL PAGE FOR DETAIL

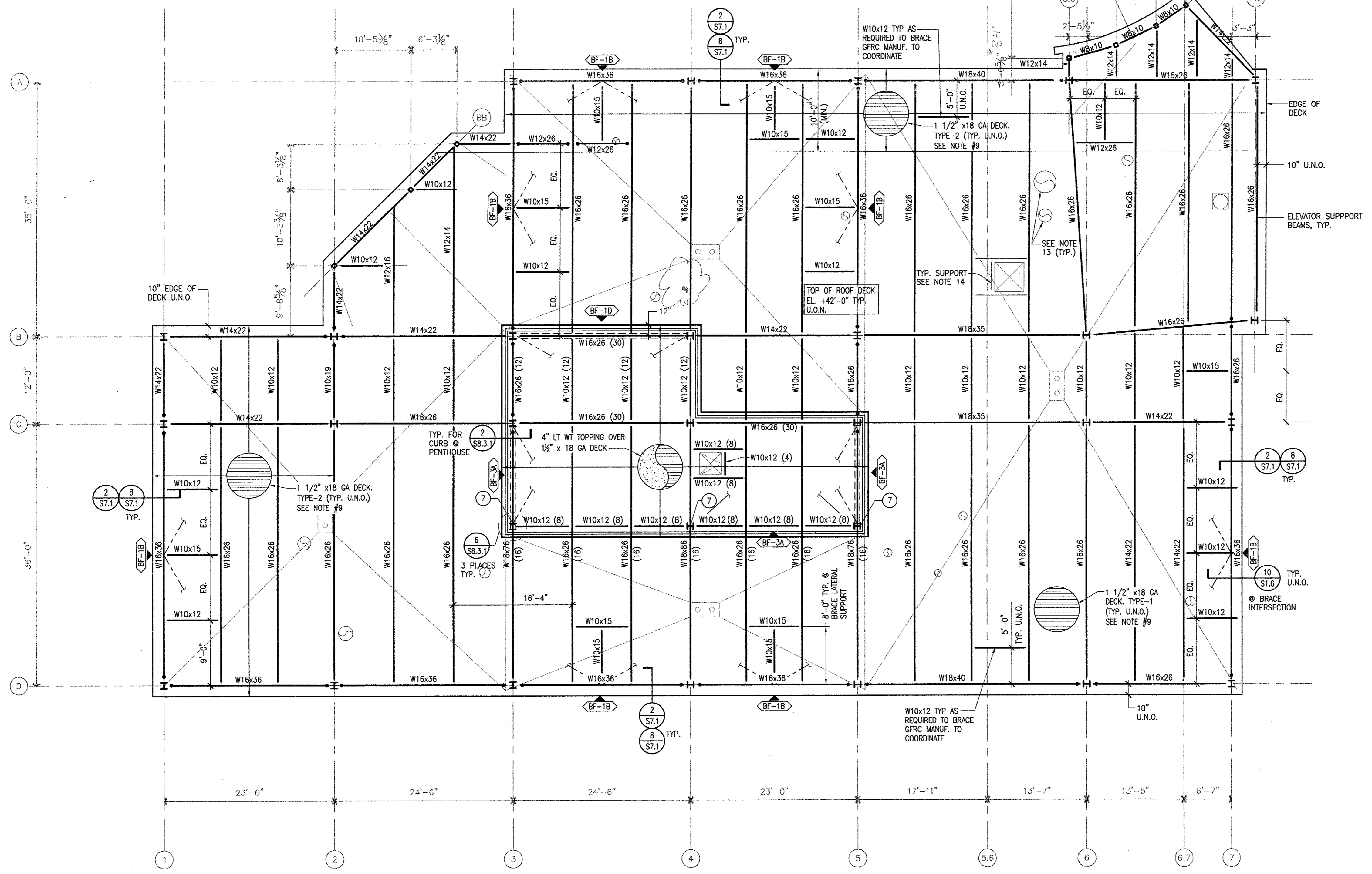


REVIEW SET

POC#11: RFI# 29, 32, 40, 91, 9A.1, 12A, 12B, 129, 132, 151, 154, 156, 162.1, 165, 167, 169, 170, 176, 177.1, 179, 180, 190 AND 191.
STRUCTURAL STEEL MODIFICATIONS DUE TO MINOR ERRORS IN REPRESENTATION OR INSTALLATION.



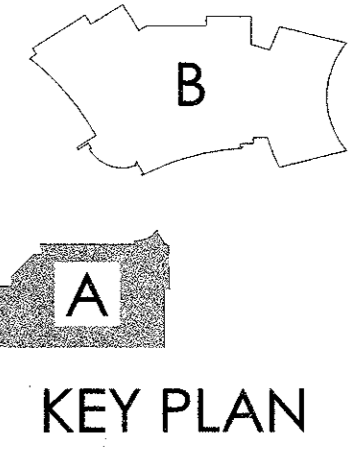
2 PENTHOUSE ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



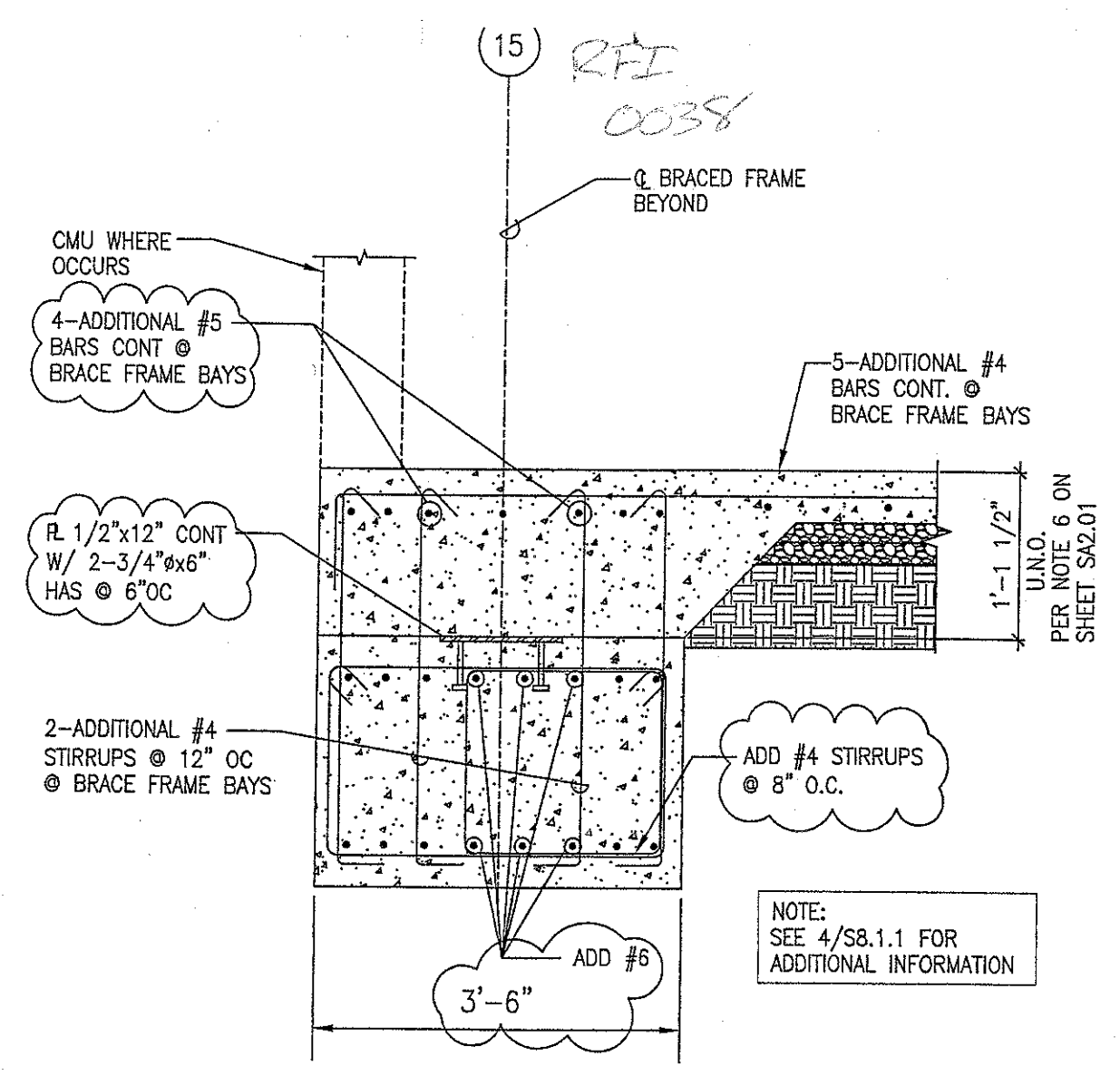
1 SCIENCE ANNEX: ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

ROOF FRAMING NOTES

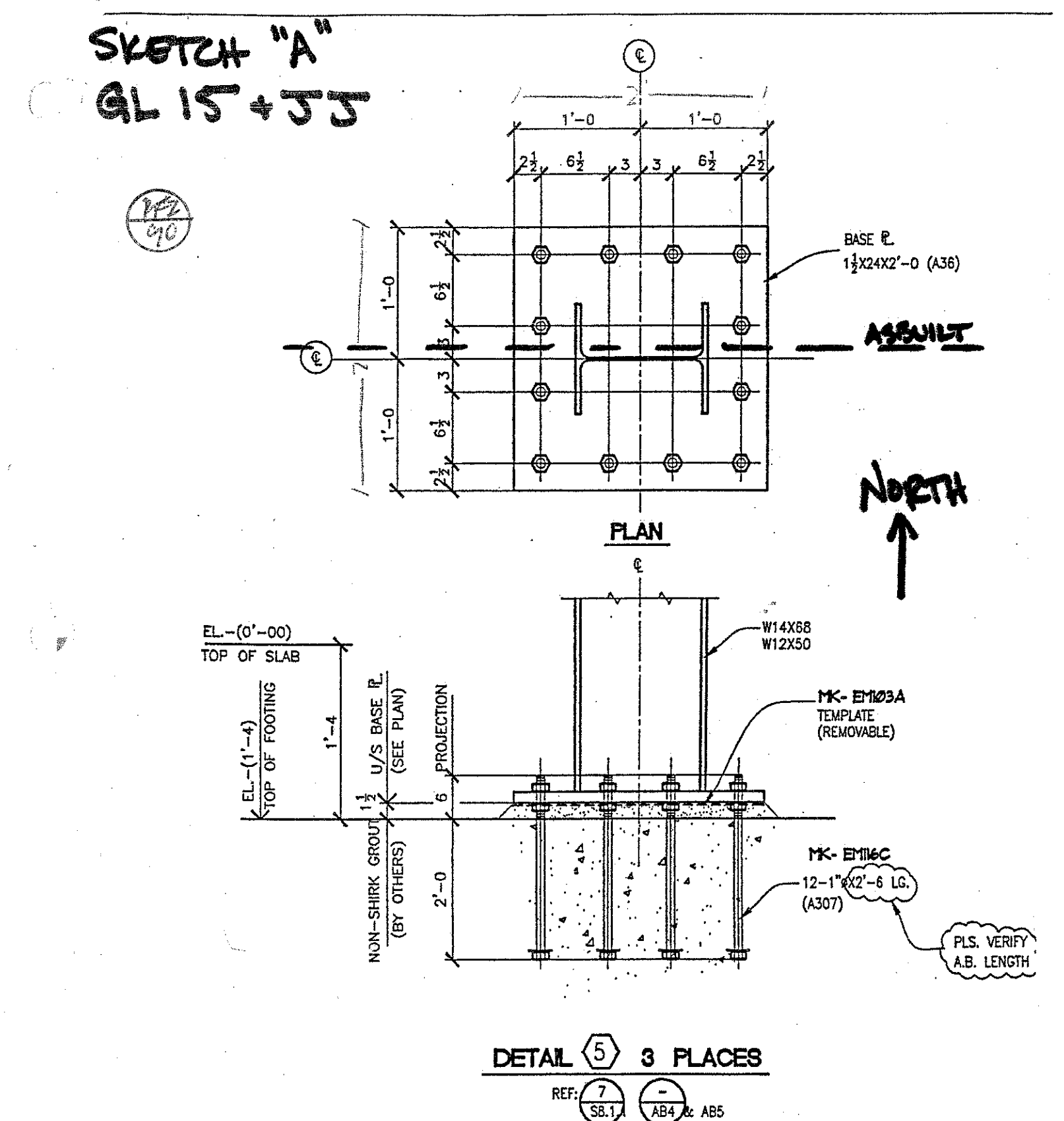
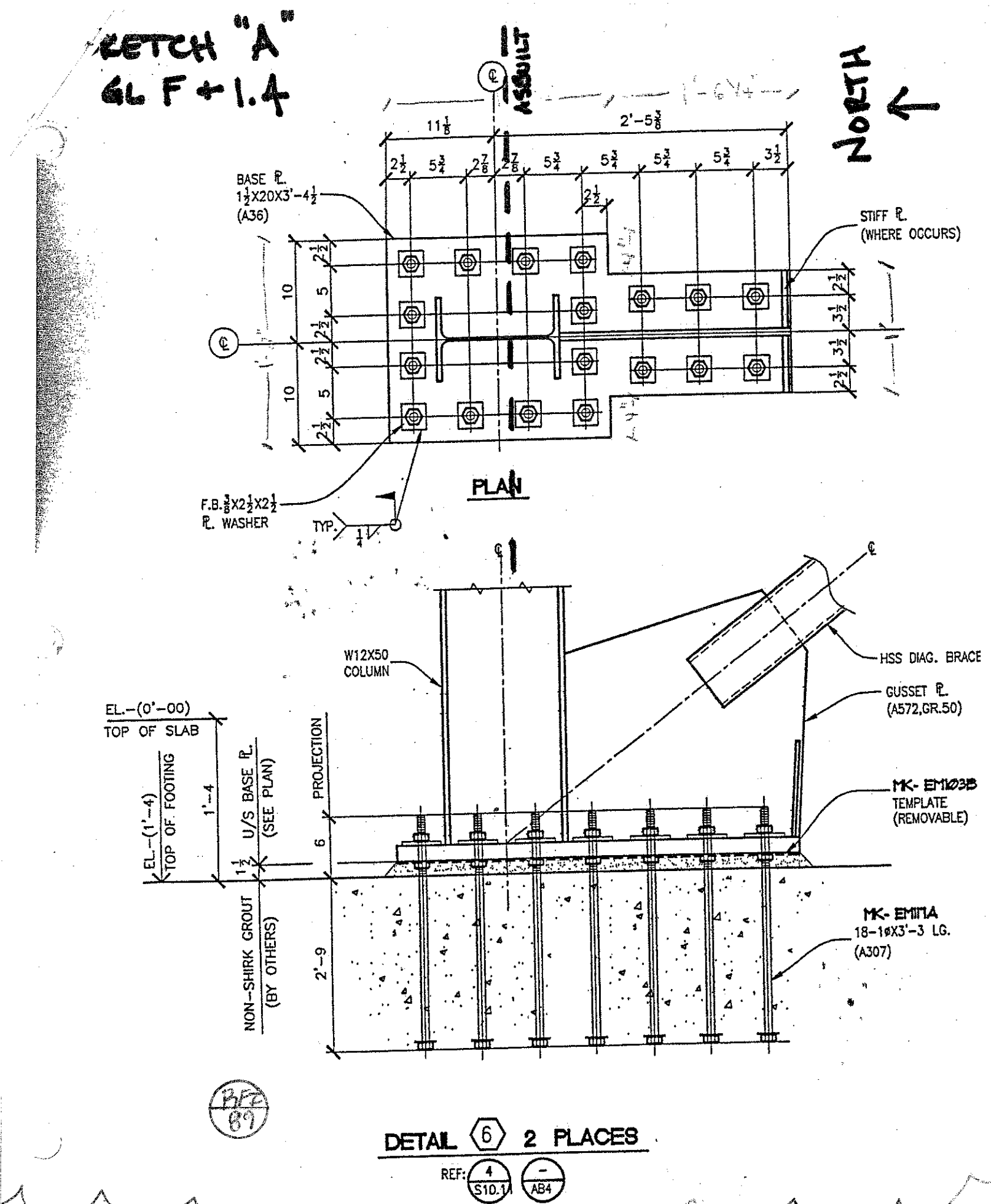
- FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0.0, S0.1, S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7
- "C" INDICATES BEAM CAMBER.
- FOR METAL DECK PROPERTIES, ATTACHMENTS AND DETAILS SEE SHEET S1.3.
- VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN GRIDS AND INTERIOR AND EXTERIOR GRADES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR AND WALL FINISHES, SLOPES, DEPRESSIONS, PENETRATIONS, CURBS AND EXACT NUMBERS AND LOCATIONS OF EQUIPMENT SUPPORTED ON THE ROOF AND/OR SUSPENDED BELOW THE ROOF. SEE MECHANICAL DRAWINGS FOR ROOF MOUNTED EQUIPMENT SUPPORTS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL WALLS.
- S.A.D. FOR LOCATION AND EXTENT OF TAPERED INSULATION.
- SEE 5/S1.4 & 7/S1.4 FOR SUPPORT OF ALL AIR HANDLING UNITS.
- ⊙ DENOTES LT WT. TOPPING OVER GALVANIZED METAL DECK (3 SPAN MIN. EXCEPT WHERE NOTED). PROVIDE MINIMUM WELDED WIRE REINFORCEMENT #4x4@8 X WS THROUGHOUT. SEE PLAN FOR THICKNESS. SEE S0.0 FOR WWF LAP SPICE LENGTHS.
 - ⊙ DENOTES GALVANIZED METAL DECK. SEE PLAN FOR GAGE AND DIRECTION. REFER TO SHEET S1.3 FOR ADDITIONAL INFORMATION.
- T.O. SLAB DENOTES TOP OF CONCRETE TOPPING SLAB.
 - T.O. STEEL DENOTES TOP OF STEEL ELEVATION.
- INDICATES VERTICAL SEISMIC SEPARATION JOINT THROUGH ROOFS, AND SECOND FLOOR SLABS WHERE OCCURS. SEE ARCHITECTURAL DRAWINGS FOR WIDTH AND EXTENT.
- UNLESS OTHERWISE SHOWN, USE C8X11.5 TO SUPPORT ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL EQUIPMENT GREATER THAN 200#, OR DECK OPENING GREATER THAN 24" PERPENDICULAR TO METAL DECK DIRECTION. SEE DETAIL 1/S1.4
- SEE DETAIL 12/S1.4 FOR SUPPORT AT SMALL FLOOR & ROOF OPENINGS.
- INDICATES TYPICAL MECHANICAL/PLUMBING ROOF PENETRATION. SEE 1 & 12/S1.4 FOR SUPPORT.
- ALL STEEL BEAMS SHOWN BEAR ON THE CENTER OF STEEL OR CONCRETE OR CMU COLUMNS (WHERE APPLICABLE) AND SHALL BE EQUALLY SPACED BETWEEN BEARING POINTS & GRIDLINES AS SHOWN U.N.O.
- ALL MECHANICAL UNITS AND PENETRATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR TO COORDINATE WITH UNIT MANUFACTURER, ARCHITECTURAL, AND MECHANICAL DRAWINGS FOR ACTUAL SIZE AND LOCATION.
- INDICATES AREA OPEN TO BELOW.
- [28] INDICATES THE NUMBER OF 3/4" H.A.S., SEE 14/S1.3 (SPACE EQUALLY IN PORTION OF BEAM W/ CONC. DECK).
- INDICATES CMU BEARING OR NON-BEARING WALL BELOW.
- INDICATES BRACE FRAME HORIZONTAL MEMBER. SEE FOUNDATION PLANS FOR BRACED FRAME TYPE.
- INDICATES DIAGONAL BRACE UP FROM FOUNDATION OR 2ND FLOOR.
- INDICATES DIAGONAL BRACE DOWN FROM ROOF.
- INDICATES STEEL WELDED MOMENT CONNECTION WITH REDUCED BEAM SECTION PER SHEET S1.7. SEE ALSO S1.5 AND S1.6 FOR CANTILEVER BEAM AND COLUMN CONNECTION TO PERPENDICULAR BEAMS AND COLUMNS AT NON-MOMENT FRAME COLUMN BAYS.
- STEEL BEAMS WHICH HAVE SPECIFIED OR INCIDENTAL SHOP CAMBER SHALL BE PLACED WITH CAMBER UP IN ALL LOCATIONS U.N.O.
- INDICATES BEAM TO COLUMN OR BEAM TO BEAM COLLECTOR CONNECTION. SEE SHEET S1.6.
- INDICATES SLIP CRITICAL CONNECTION. TIGHTEN PER TABLE J3.7 AISC MANUAL OF STEEL CONSTRUCTION (LATEST EDITION)
- INDICATES TYPICAL ROOF DRAIN. SEE ARCH/MECH/PLUMBING DRAWINGS AND 12/S1.4 FOR DECK SUPPORT.



REVIEW SET



SECTION @ GRADE BEAM BETWEEN LINES J & L
SCALE: N.T.S.



9-2-05 LH

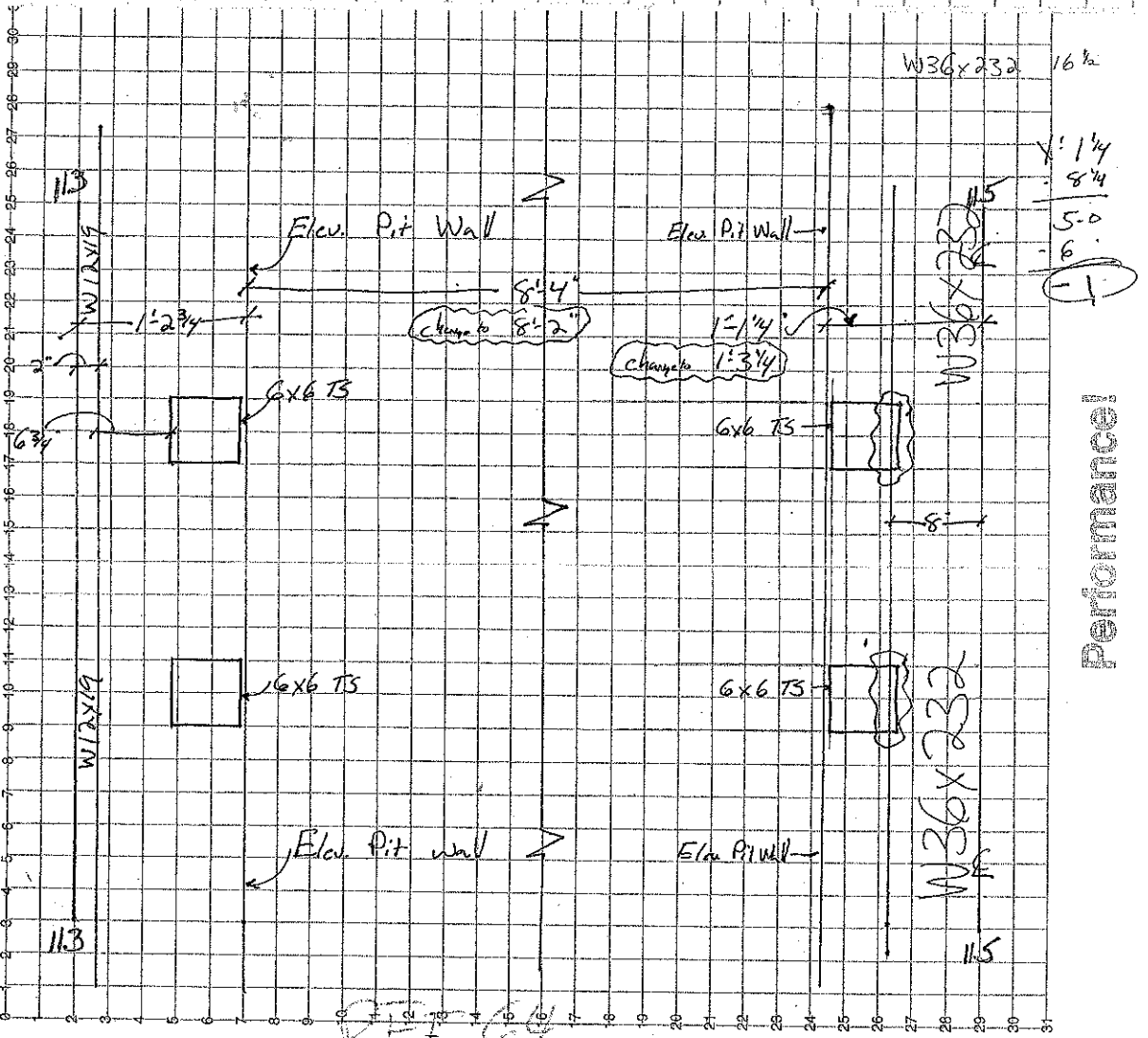
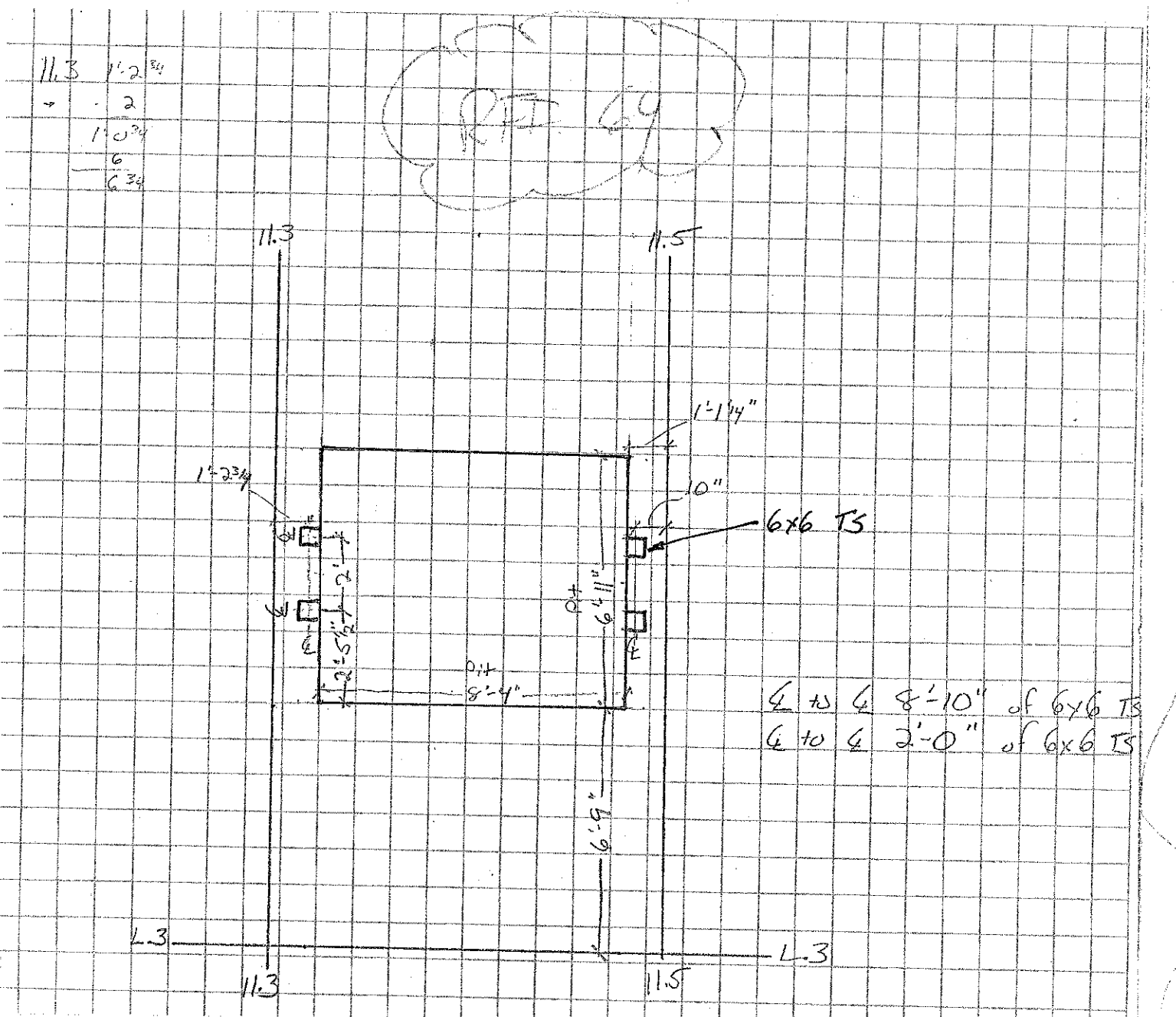
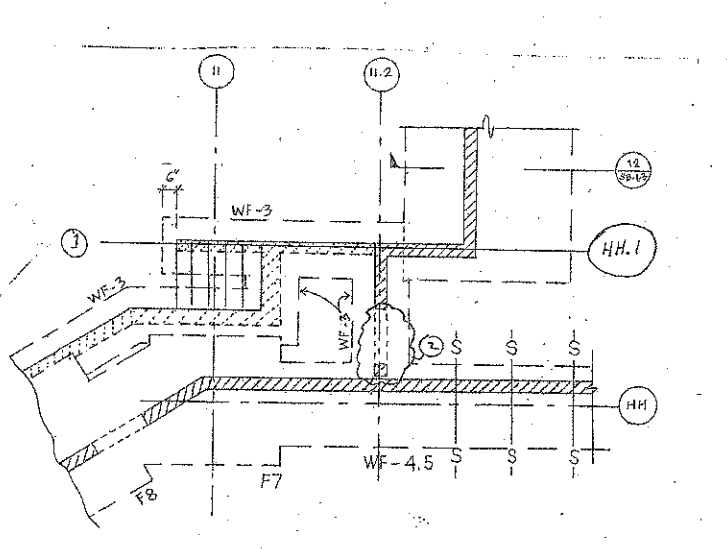
Question
Reference Sheet SB2.01 and Sketch A

- In building 6 at the waste receptacle the exterior wall for the stairs the rebar located on grid line HH.1 in sketch A was installed 8' to far north.
- At the same area on grid line 11.2 the rebar for the 10" wall was stopped north of door opening and does not run to the edge of the building.

Please provide the depth and spacing the replacement bar holes need to be drilled.

Consultant Comments
Rebar-dowels should match wall vertical reinforcement size and spacing ... Provide 6" (min) rebar-dowel embedment in concrete wall footing with COVERT CM-7000 gel epoxy adhesive (ICC evaluation report ESR-1072 or equal) ... drill holes for dowels should not damage existing footing reinforcement ... Tejas, Crosby Group.
Date Answered: 11/2/2005

Answer
See comments by Tejas, Crosby Group. PCO for DSA approval will be required.
R. Saha.



Performancecel

RFI #10: RFI 128, 127, 132, 133, 134, 135, 136 and 137.
 RFI #11: RFI 132, 133, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180 and 181.

RFI 75/75.1 acceptable to start CMU on slab on grade
 RFI 45 no location stated on RFI anchor bolts to have 36" embedment

RFI 30.2 CUT BAR IS NOT A PROBLEM. NO FIX NEEDED

RFI 00.40 All Gravity Columns to have embedment of 36"
 See RFI for best details at independent footings West of gridline 11.3
 RFI 49.1 see RFI for locations of CS in footing

ACCEPTABLE TO DELETE CMU WALL AND PLACE GFCR ON SLAB. UH 12-17-05

RFI 61 Because GIB drops below bottom must be back

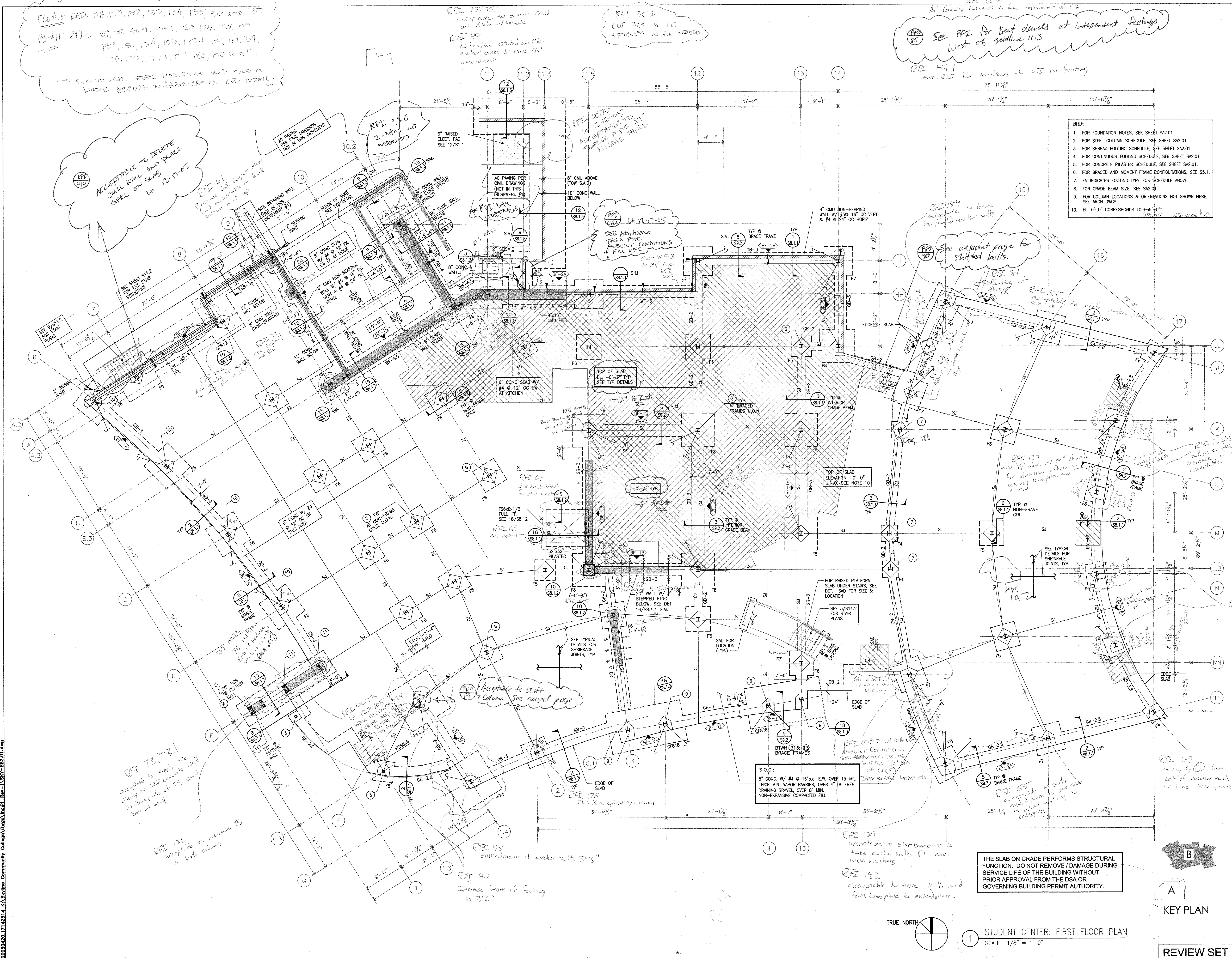
RFI 30.6 2-bits not needed

RFI 00.70 UH 12-10-05 ACCEPTABLE TO SLABE PIPE IN MIDDLE THIRD

RFI UH 12-17-05 SEE ADJACENT PAGE FOR IMBUILT CONDITIONS - FULL RFI

See adjacent page for shifted bolts.

- NOTE:
- FOR FOUNDATION NOTES, SEE SHEET SA2.01.
 - FOR STEEL COLUMN SCHEDULE, SEE SHEET SA2.01.
 - FOR SPREAD FOOTING SCHEDULE, SEE SHEET SA2.01.
 - FOR CONTINUOUS FOOTING SCHEDULE, SEE SHEET SA2.01.
 - FOR CONCRETE PLASTER SCHEDULE, SEE SHEET SA2.01.
 - FOR BRACED AND MOMENT FRAME CONFIGURATIONS, SEE SS.1.
 - F5 INDICATES FOOTING TYPE FOR SCHEDULE ABOVE.
 - FOR GRADE BEAM SIZE, SEE SA2.01.
 - FOR COLUMN LOCATIONS & ORIENTATIONS NOT SHOWN HERE, SEE ARCH DWGS.
 - EL. 0'-0" CORRESPONDS TO 659'-0".



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Hensel Phelps Construction Co.

PROFESSIONAL ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 IN THE STATE OF CALIFORNIA
 No. 54577
 Exp. 6/30/09

SKYLINE COLLEGE
 STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
 3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
 INCREMENT ONE - SUBMITTAL

ISSUED FOR: DSA - INC #1
 DATE: 10.21.04

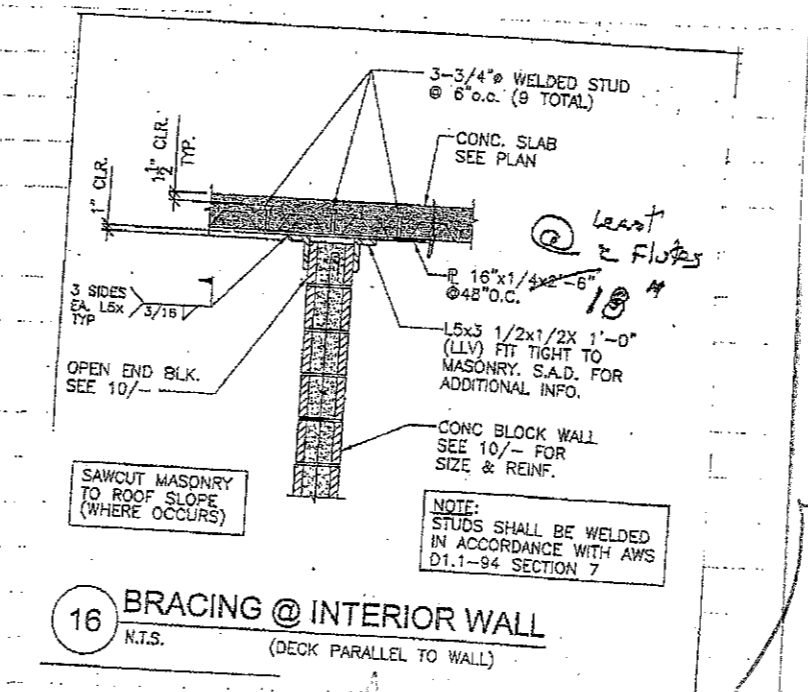
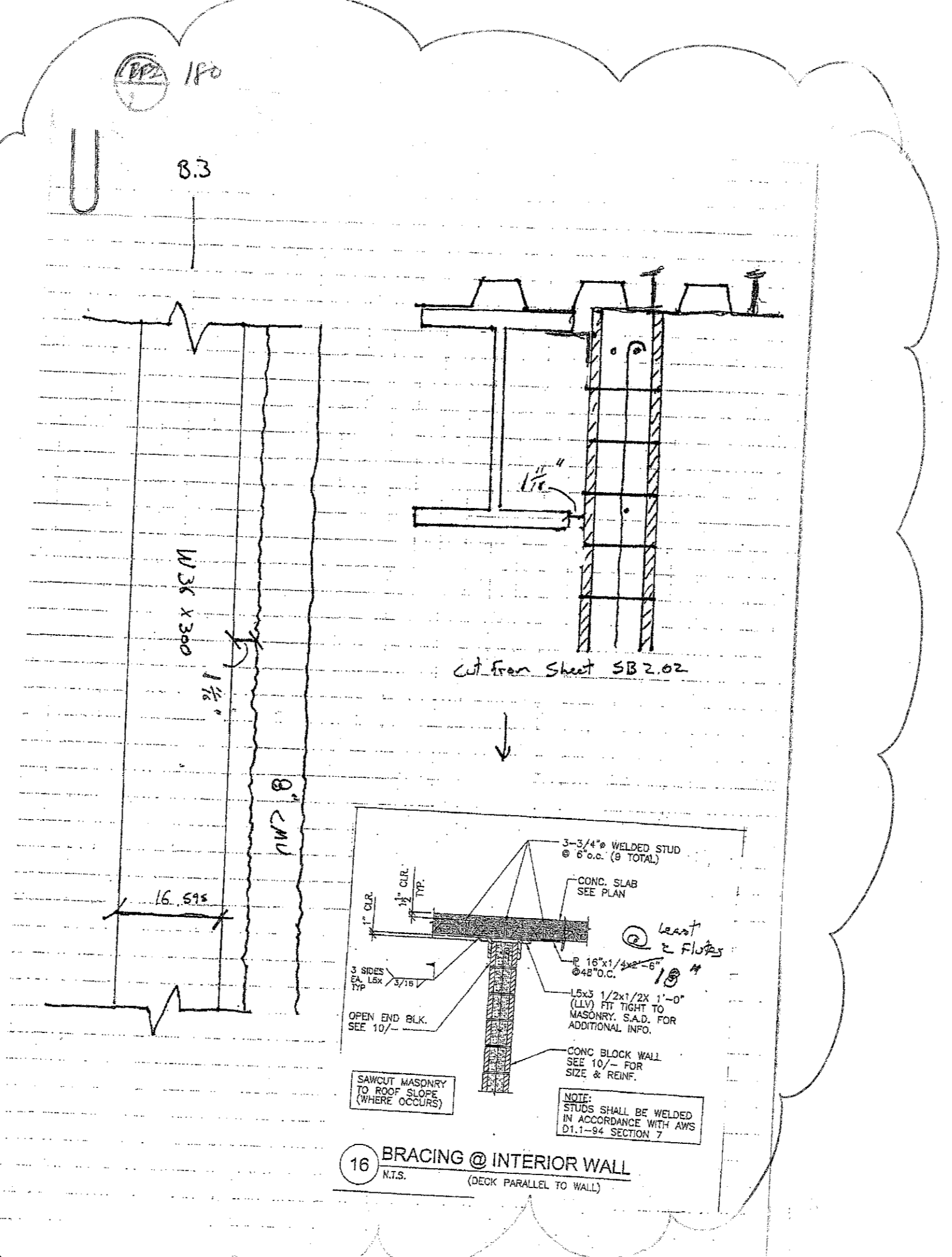
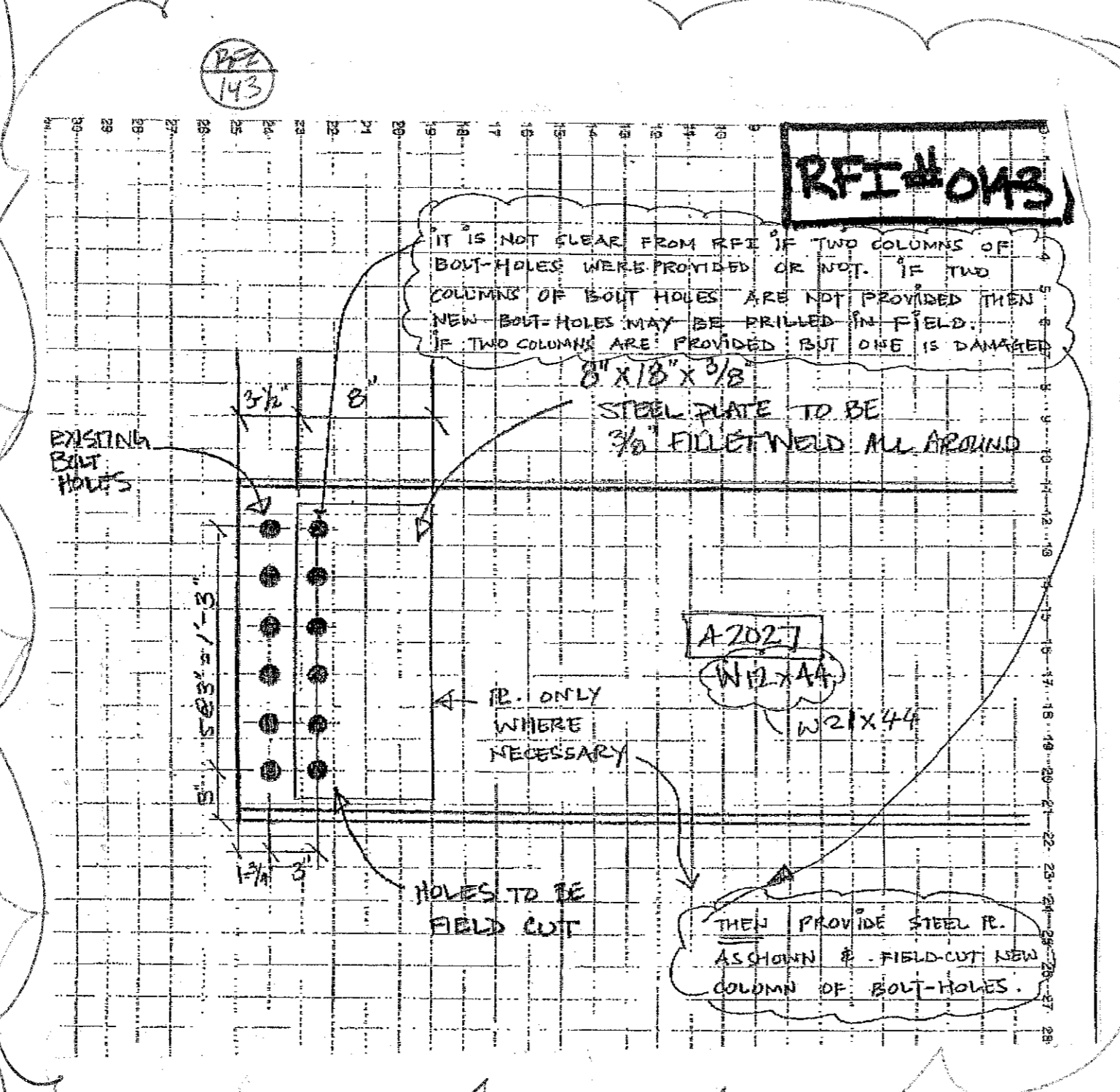
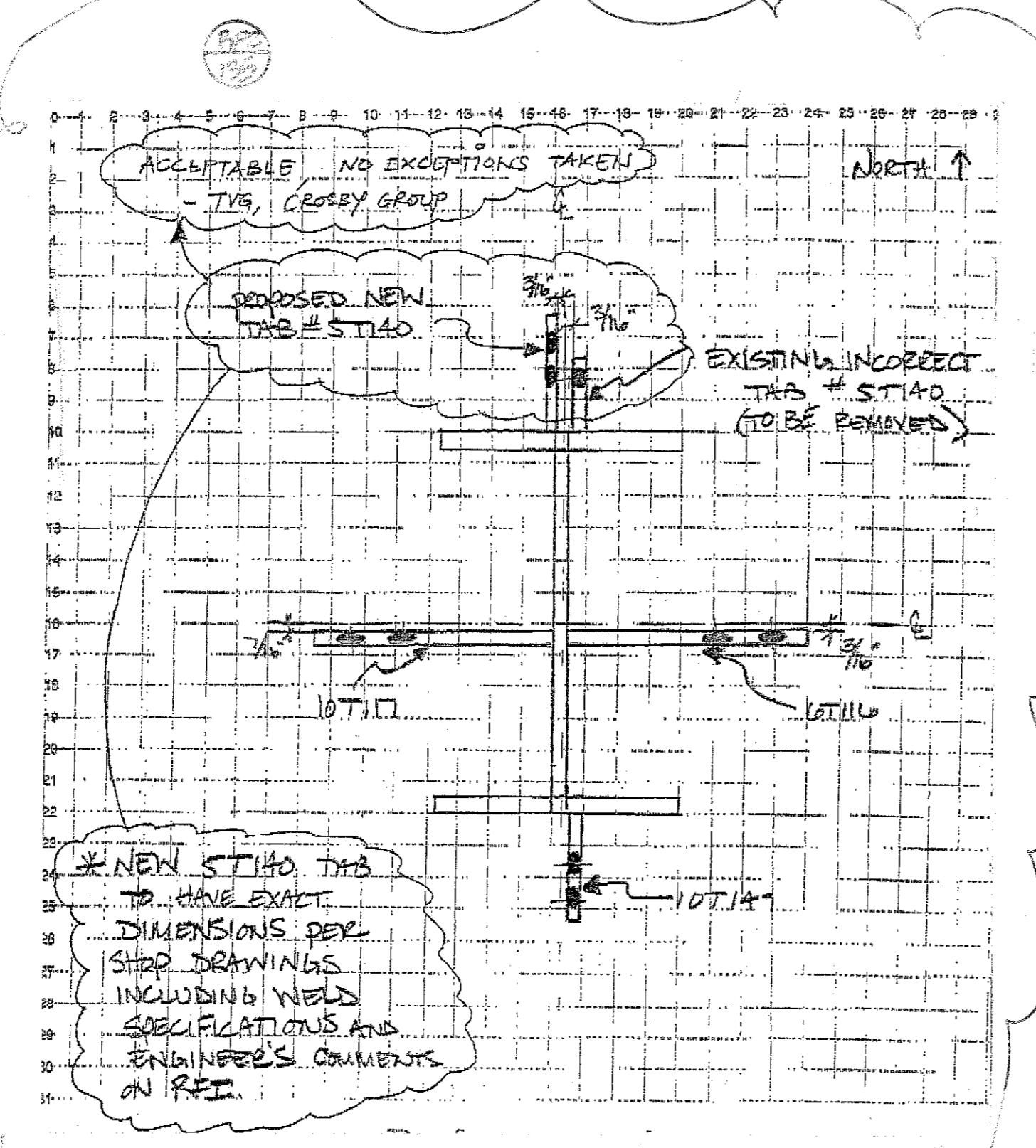
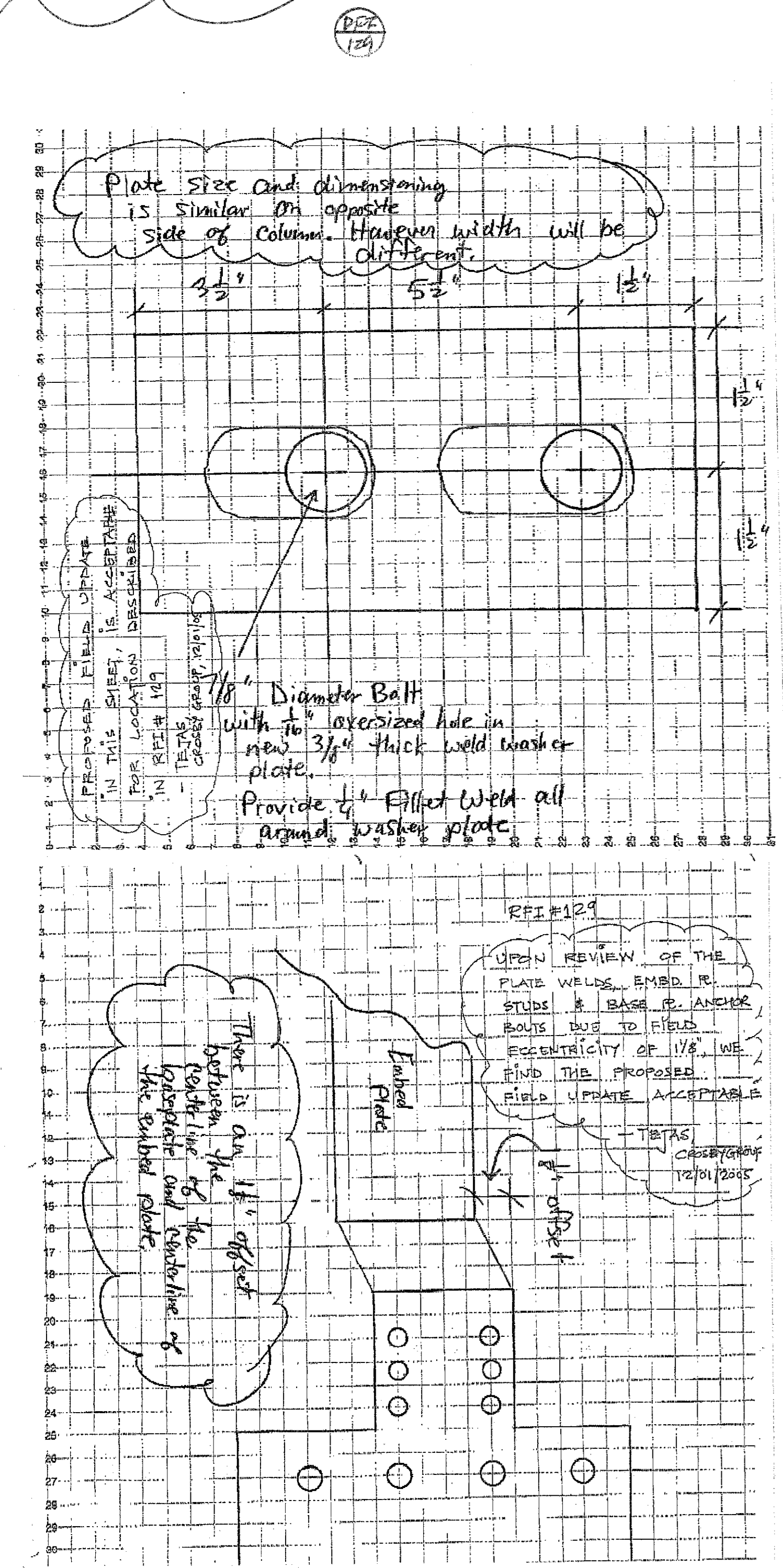
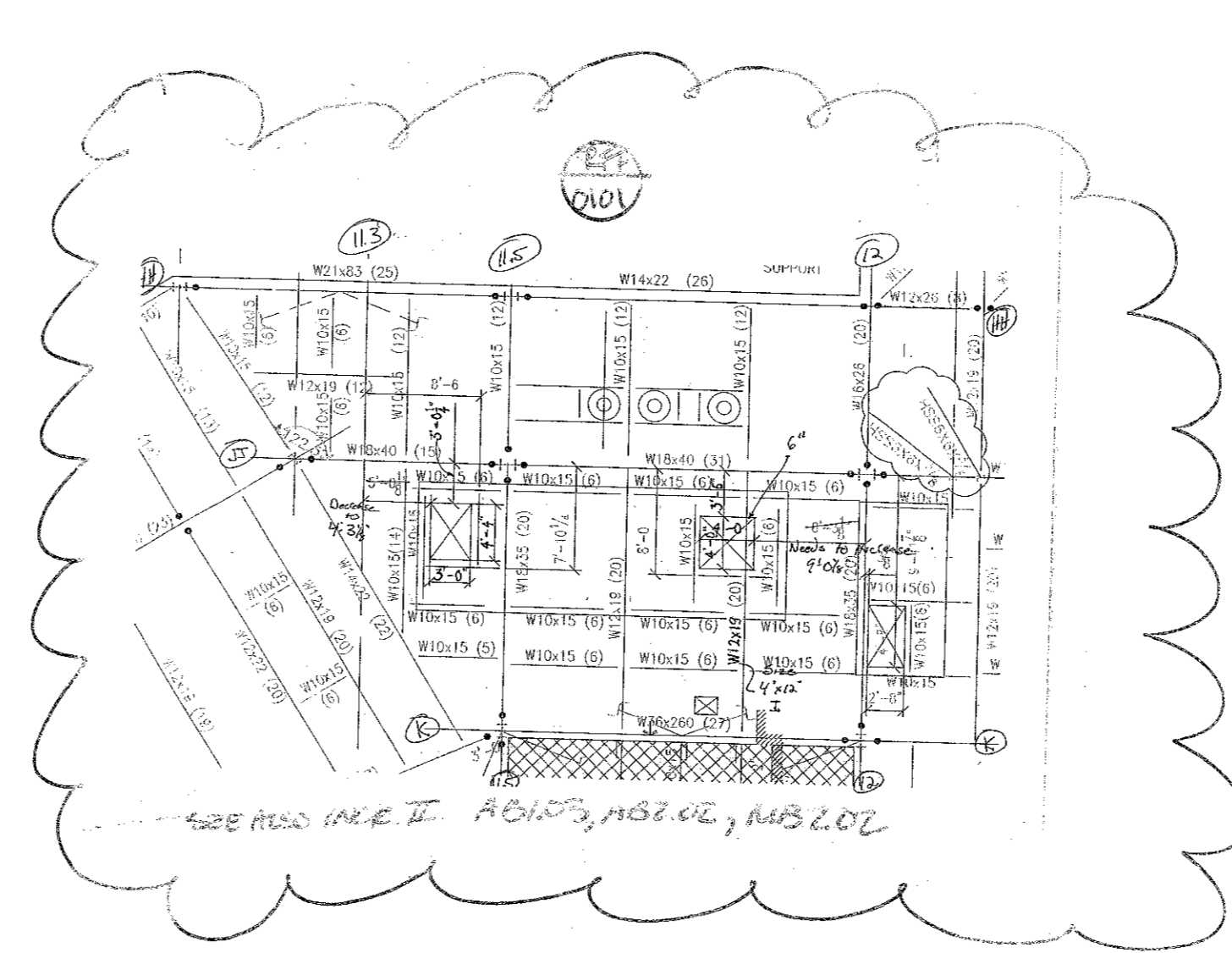
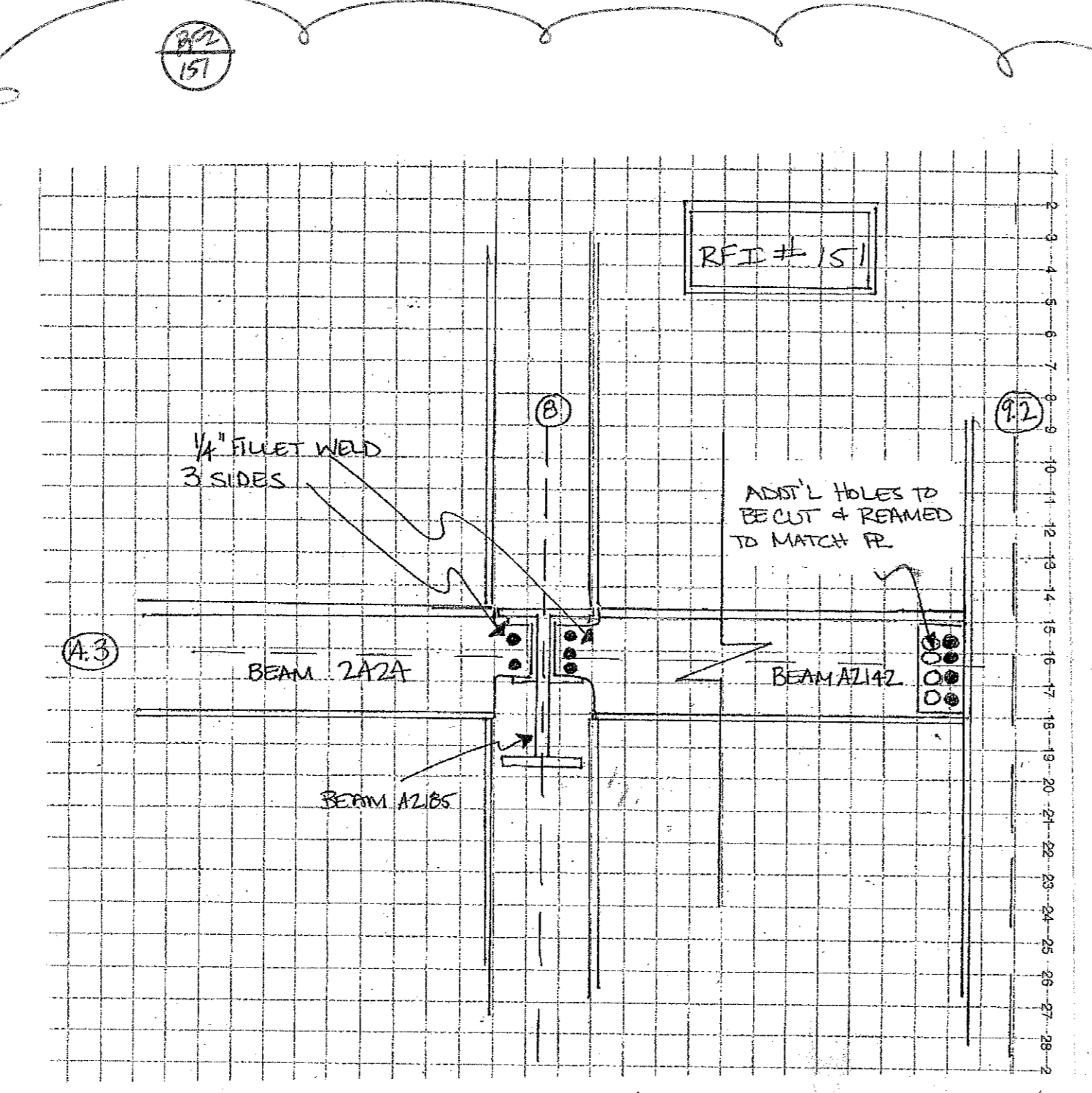
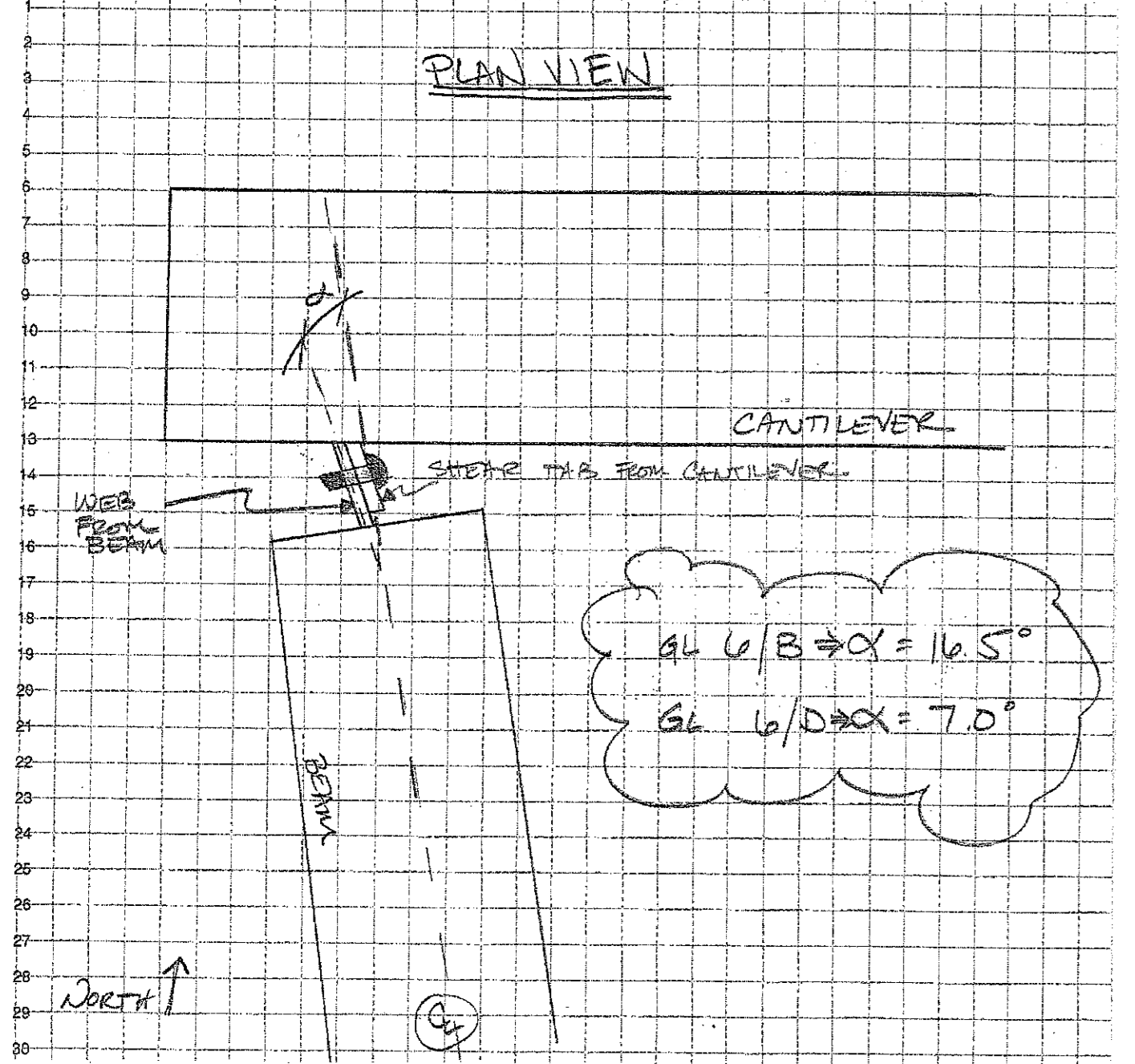
DRAWING TITLE: BUILDING B - FIRST FLOOR PLAN
 DATE: 10.21.04
 PROJECT # 04043
 SHEET NUMBER: SB2.01

DRAWING TITLE: BUILDING B - FIRST FLOOR PLAN
 DATE: 10.21.04
 PROJECT # 04043
 SHEET NUMBER: SB2.01

20050401.1714251.4 SKYLINE Community College\Drawn\Incl\Rev\1\SKY-SB2.01.dwg

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Question
 Reference Increment One drawings, sheet SB2.02 as well as Bambacigno Shop drawings. See also attached sketch.
 Along gridline 6 of building 6 there are several cantilevers that extend to the west to support the outermost beams. On the south edge of these cantilevers at gridlines 6/B and 6/C, the web from the incoming beam has been bent slightly in order to bolt up flush with the shear tab. These beams bolting into the cantilevers are beams A2355 and A2234.
 The inspector is concerned with this bending of the web and its affect on the beam and its connection to the cantilever at these locations.
 Please clarify if this issue is a problem; if so, please offer any steps that may be needed in order to make corrections.
Consultant Comments
 It is NOT acceptable to have bent steel plates. This may have yielded the beam web and potentially damaged shear tab too. Please do following: A. cut and replace existing shear tab plate attached to cantilever beams, B. cut web extension plate from W12x long beam west of line 6, C. attach a new 3/8" thick x 12" long x 10.5" deep web-extension plate to web of this beam with a 5/16" fillet weld on three sides, 7" at top horiz., 10.5" vert., and 7" at bot horiz. D. The new web-extension plate should have required holes to match shear tab plate holes per design drawings. ... Tejas, CrosbyGroup.
Answer
 See comments from Tejas, Crosby Group. A PCO for DSA approval will be required. Follow up with documentation for repair for review and approval by Crosby Group and submittal to DSA.
 R. Salki
 Date Answered: 12/12/2005



16 BRACING @ INTERIOR WALL
 (CHECK PARALLEL TO WALL)

REF 60
NEP opening changed see Increment II drawing

STRUCTURAL STEEL MODIFICATIONS
DUE TO BLIND BEARERS IN
FABRICATION OR INSTALLATION.

PCO #10: REFS 128, 129, 132, 133,
134, 135, 136 + 137
PCO #11: REFS 29, 32, 40, 71, 74, 124,
126, 128, 129, 132, 151, 154,
156, 162, 1, 165, 167, 169, 170,
176, 177, 1, 179, 180, 190, + 191

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(925) 837-8102

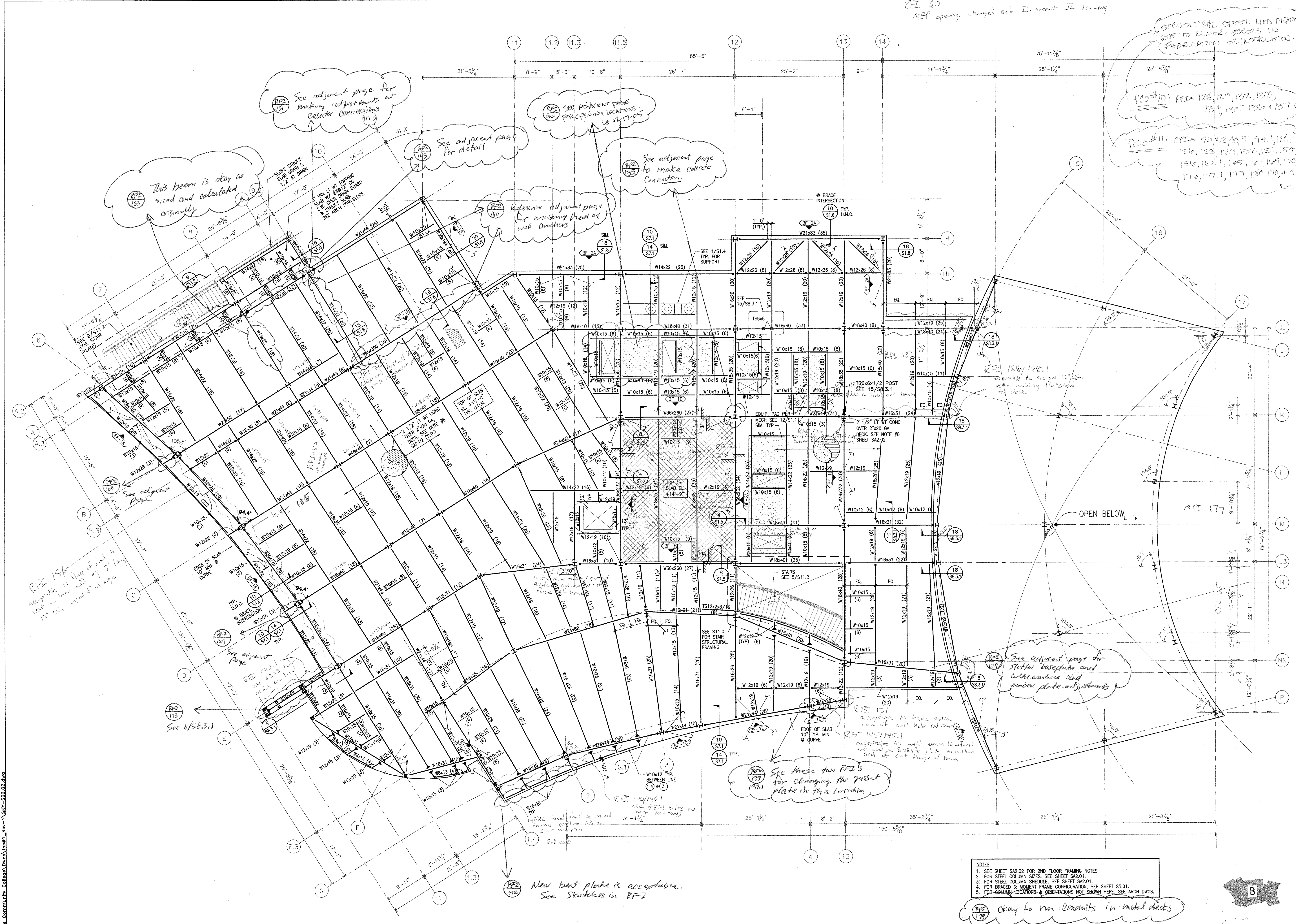
Hensel Phelps Construction Co.
REGISTERED PROFESSIONAL ENGINEER
No. 14377
CALIFORNIA STATE BOARD OF PROFESSIONAL ENGINEERS
STRUCTURAL DIVISION

SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
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INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

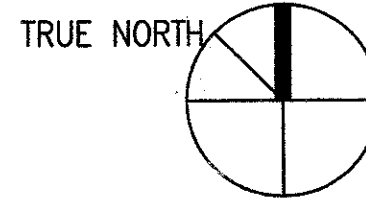
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OFFICE OF REGISTERED PROFESSIONAL ENGINEERS
STATE OF CALIFORNIA
No. 14377
10/21/04

DRAWING TITLE
BUILDING B - SECOND FLOOR FRAMING PLAN
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER
SB2.02



- NOTES:
1. SEE SHEET SA2.02 FOR 2ND FLOOR FRAMING NOTES
 2. FOR STEEL COLUMN SIZES, SEE SHEET SA2.01
 3. FOR STEEL COLUMN SCHEDULES, SEE SHEET SA2.01
 4. FOR BRACED & MOMENT FRAME CONFIGURATION, SEE SHEET SA.01
 5. FOR COLUMN LOCATIONS & ORIENTATIONS NOT SHOWN HERE, SEE ARCH DWGS.

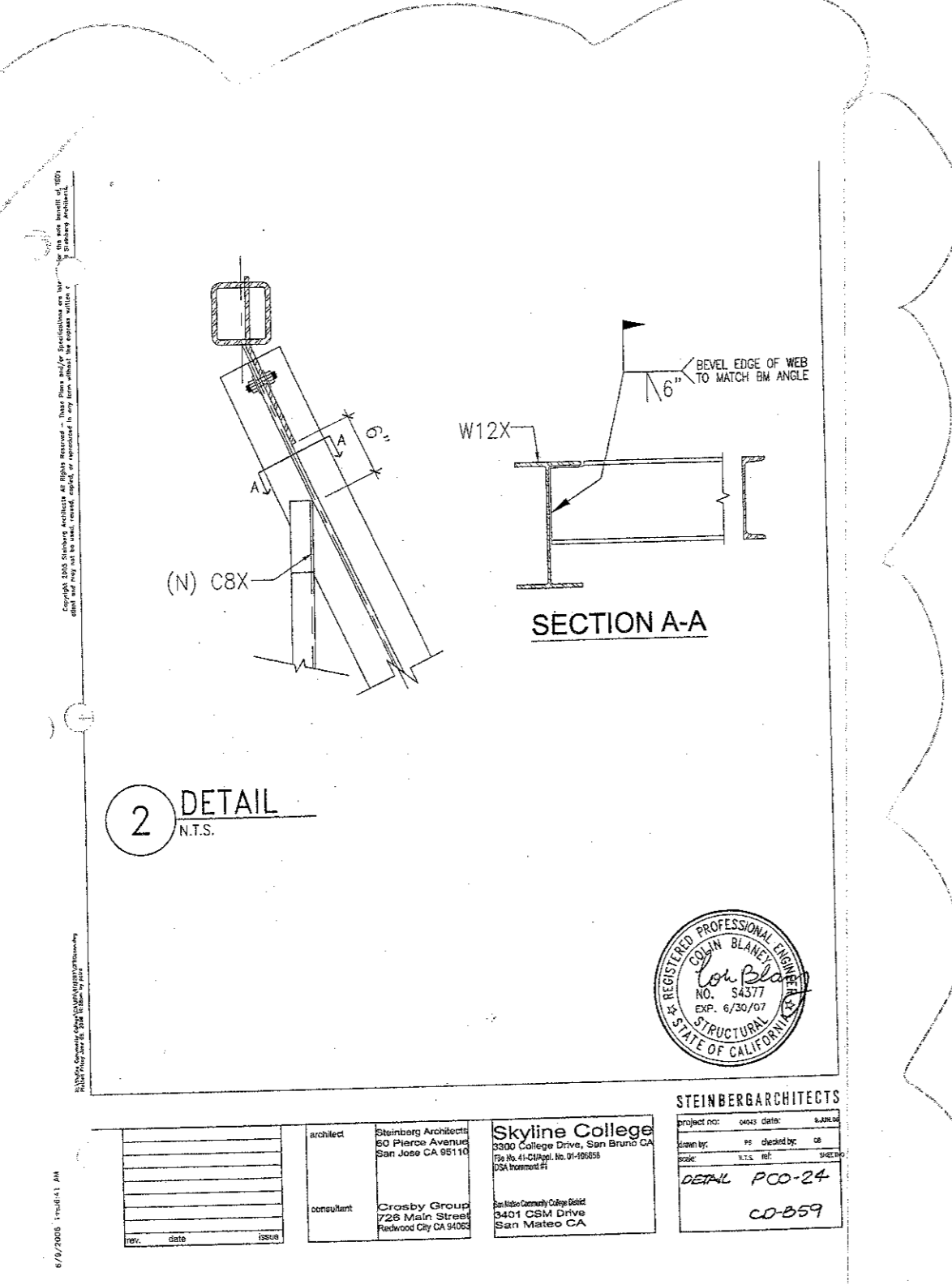
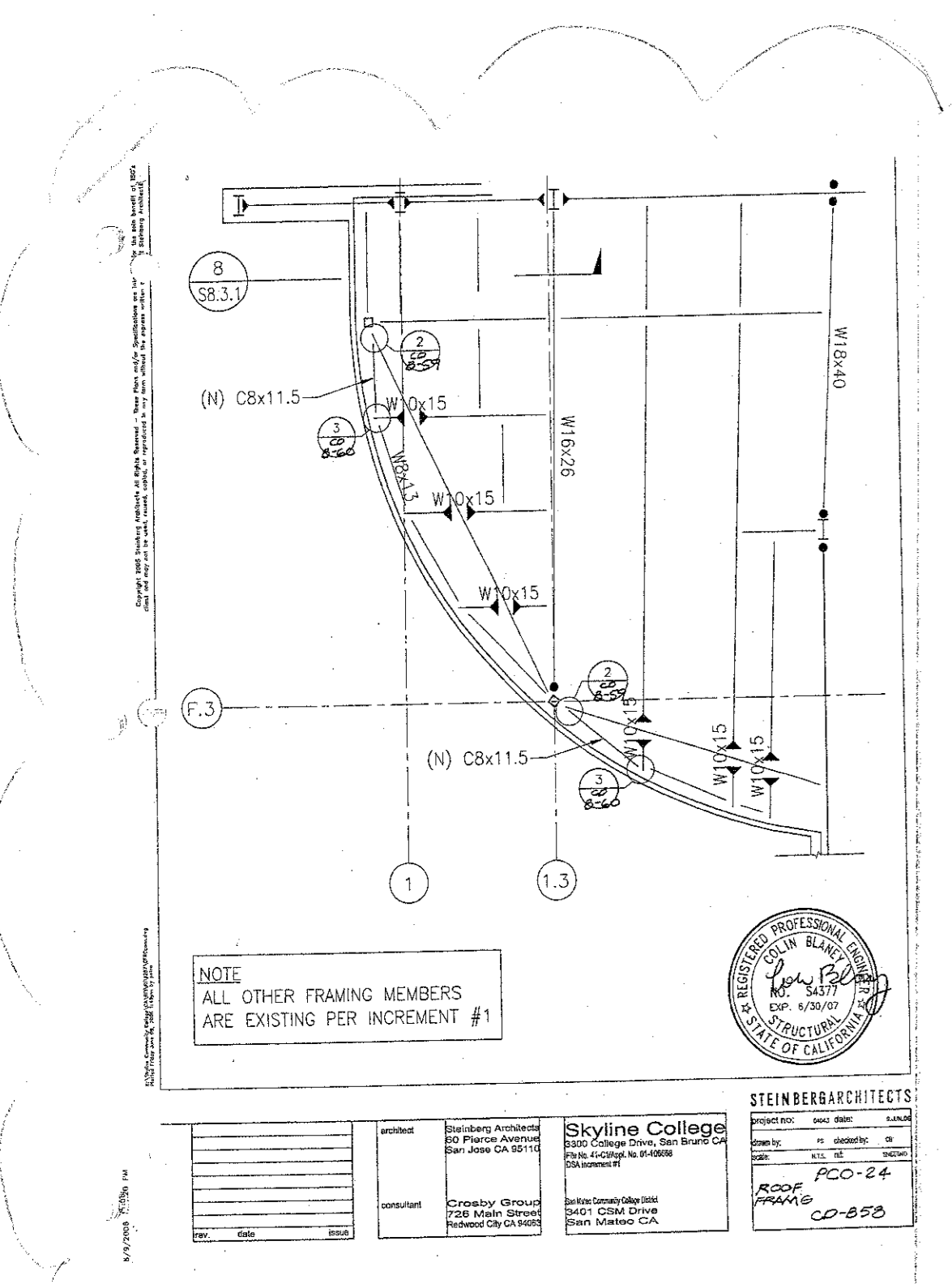
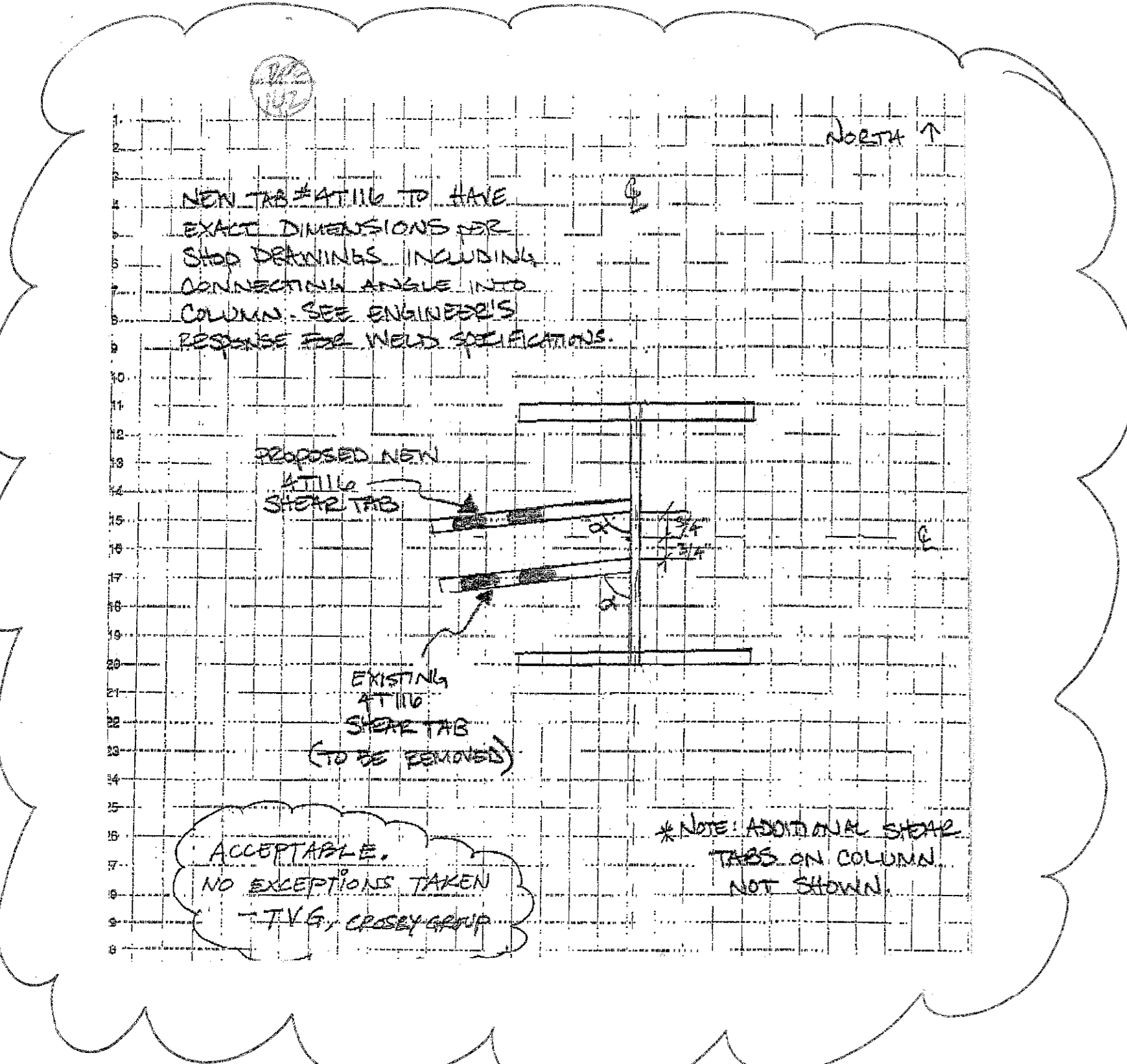
okay to run conduits in metal decks



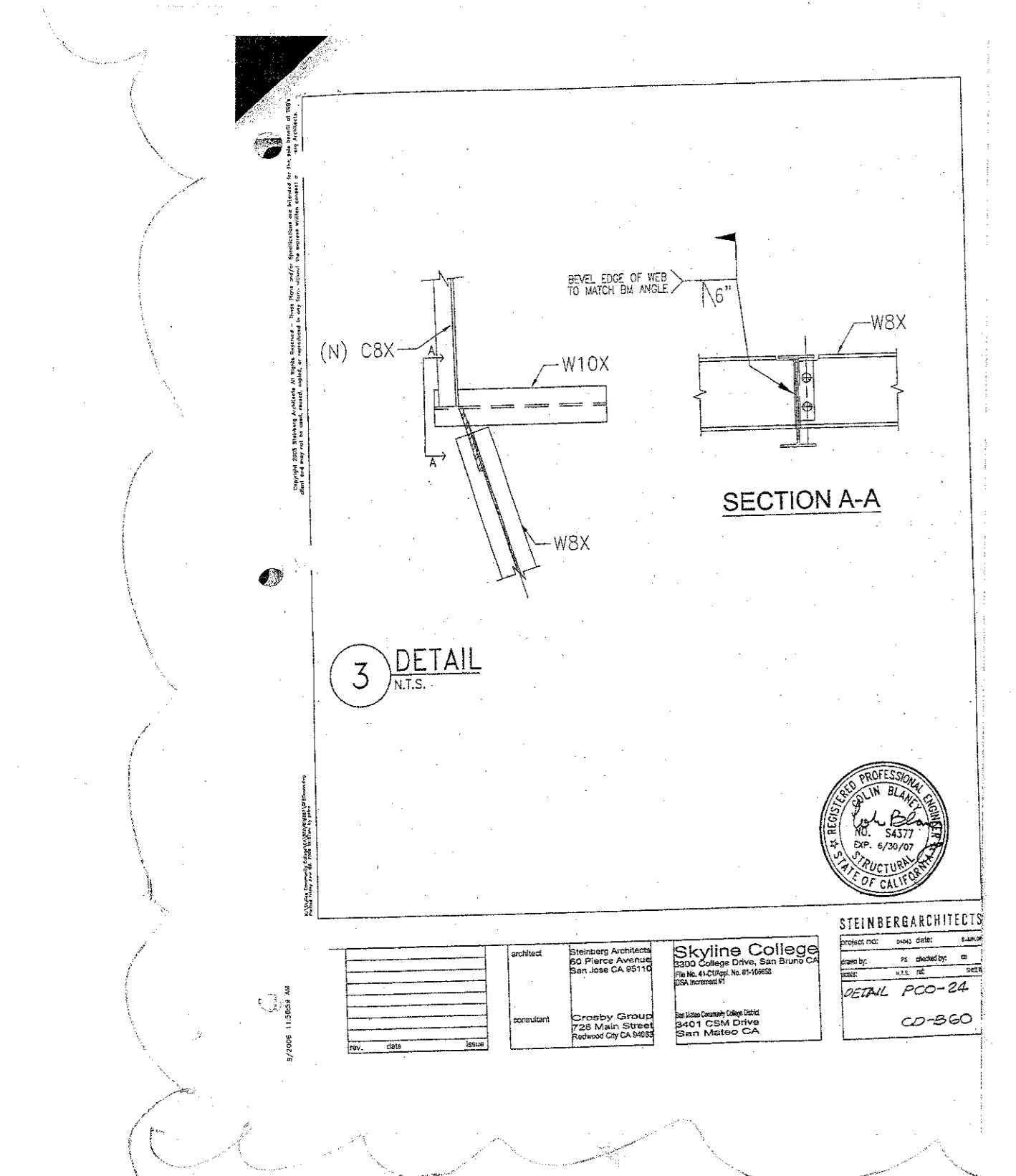
1 STUDENT CENTER: SECOND FLOOR FRAMING PLAN
SCALE 1/8" = 1'-0"

20090420.1159567 K:\Skyline_Community_College\Drawn\Line41_Rev-1\SKY-SB2-02.dwg

Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to offer an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered" followed by his signature and the date of such alteration, and a specific description of the alteration.



ADDED CBX11.5 FOR CURTAIN WALL HEAD ATTACHMENT.



Project	Skylight College
Location	San Jose, CA 95128
Client	Skylight College
Architect	STEINBERG ARCHITECTS
Engineer	STEINBERG ARCHITECTS
Scale	1/4" = 1'-0"
Date	10/20/11
Sheet	CD-24

Project	Skylight College
Location	San Jose, CA 95128
Client	Skylight College
Architect	STEINBERG ARCHITECTS
Engineer	STEINBERG ARCHITECTS
Scale	1/4" = 1'-0"
Date	10/20/11
Sheet	CD-24

Project	Skylight College
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Scale	1/4" = 1'-0"
Date	10/20/11
Sheet	CD-24

RFI 60 MEP opening have changed see Interior II drawing
 RFI 124 acceptable to weld in lieu of bolting

FOR ROOF FRAMING NOTES SEE SHEET SA2.04

STRUCTURAL STEEL MODIFICATIONS
 DUE TO WIND LOADS IN
 REVISIONS OF STRUCTURE

25'-8 1/8"
 RFI 124 RFI 129, 132, 133, 134, 135, 136 & 137

RFI 111 RFI 29, 32, 40, 71, 94, 124, 126, 128, 129, 132, 131, 134, 135, 136, 137, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

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 408.295.5928 fax

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Crosby group
 Structural Engineering
 725 Main St.
 San Jose, CA 95110
 Tel: (408) 307-8100
 Fax: (408) 307-8100

Hensel Phelps Construction Co.

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 No. 43477
 STATE OF CALIFORNIA

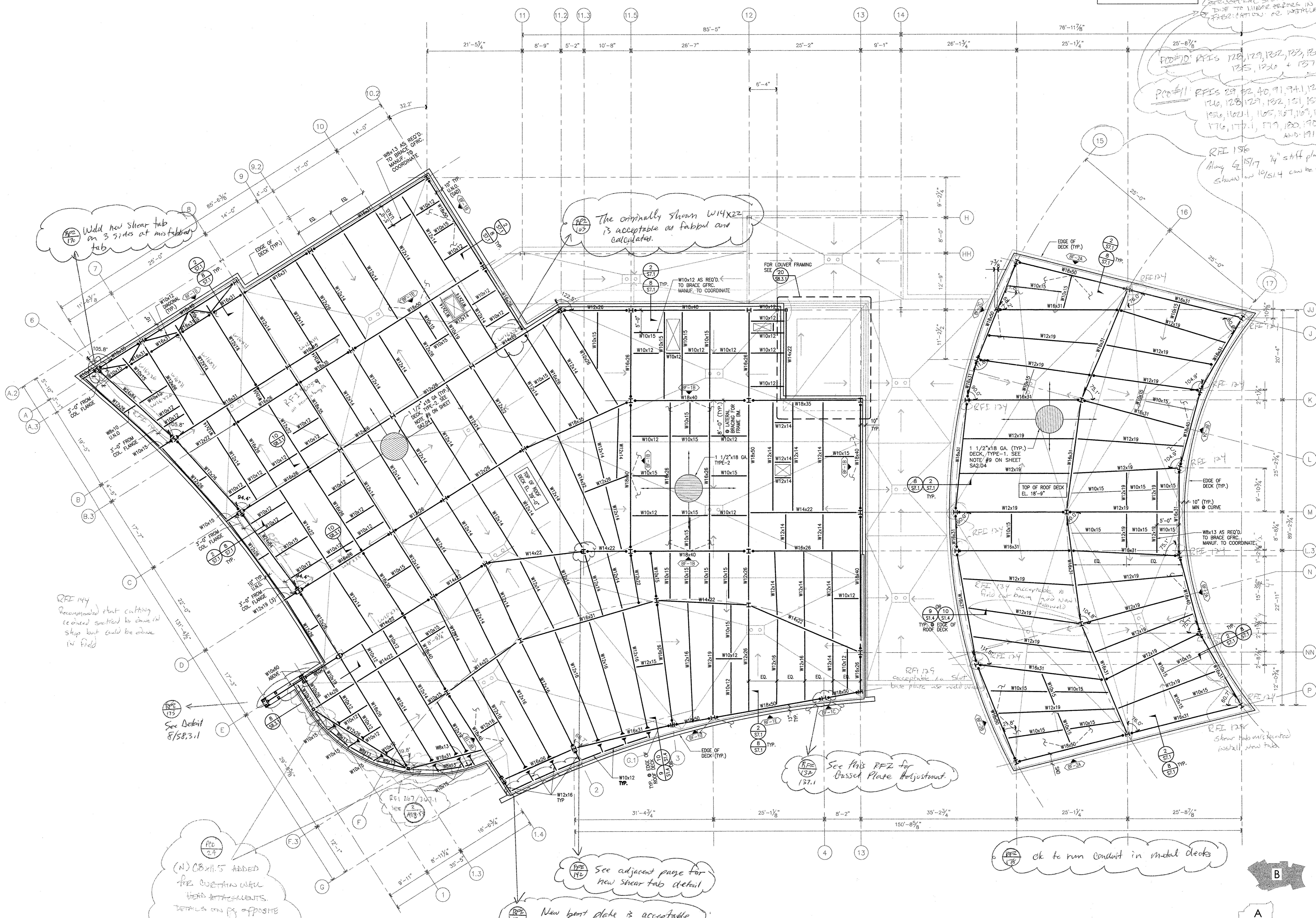
SKYLINE COLLEGE
 STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
 3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
 INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
 DSA - INC #1 10.21.04

REGULATORY STAMP
 OFFICE OF REGULATION SERVICES
 DATE: 10/21/04

DRAWING TITLE
BUILDING B - ROOF FRAMING PLAN
 DATE: 10.21.04
 PROJECT # 04043
 SHEET NUMBER

SB2.03



Weld new shear tab on 3 sides at misaligned tab

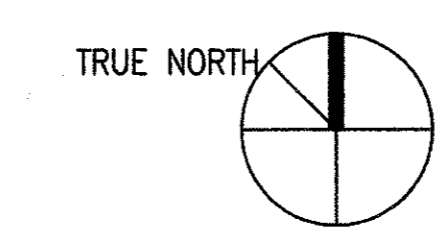
The originally shown W14x22 is acceptable as fabricated and calculated.

See this RFI for Oussel Plate Adjustment

Ok to run conduit in metal decks

See adjacent page for new shear tab detail
 New bent plate is acceptable See sketches in RFI

(N) CB #1.5 ADDED FOR CERTAIN WELD BEAD ATTACHMENTS DETAILS ON PG. OPPOSITE



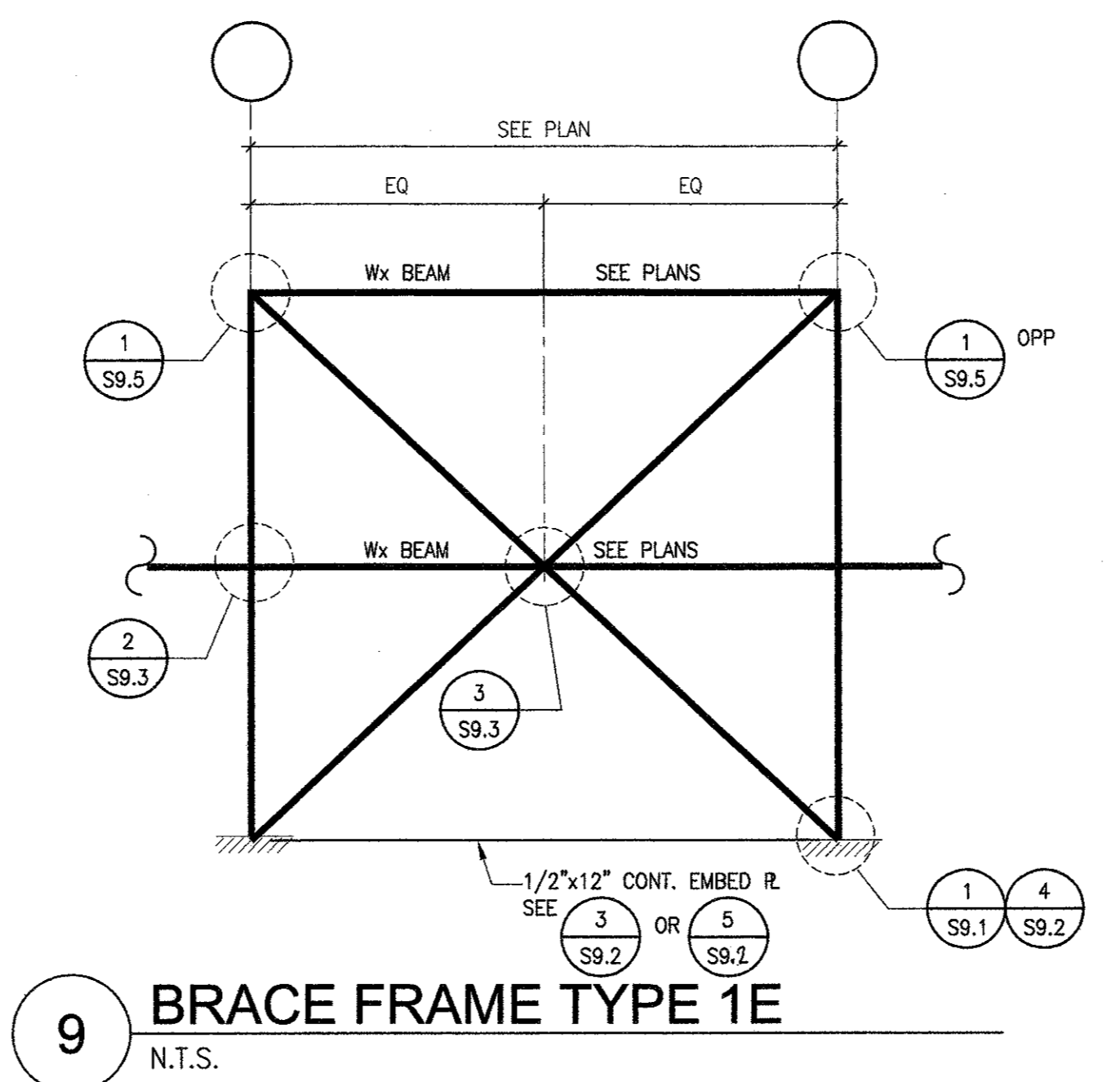
1 STUDENT CENTER: ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"

KEY PLAN

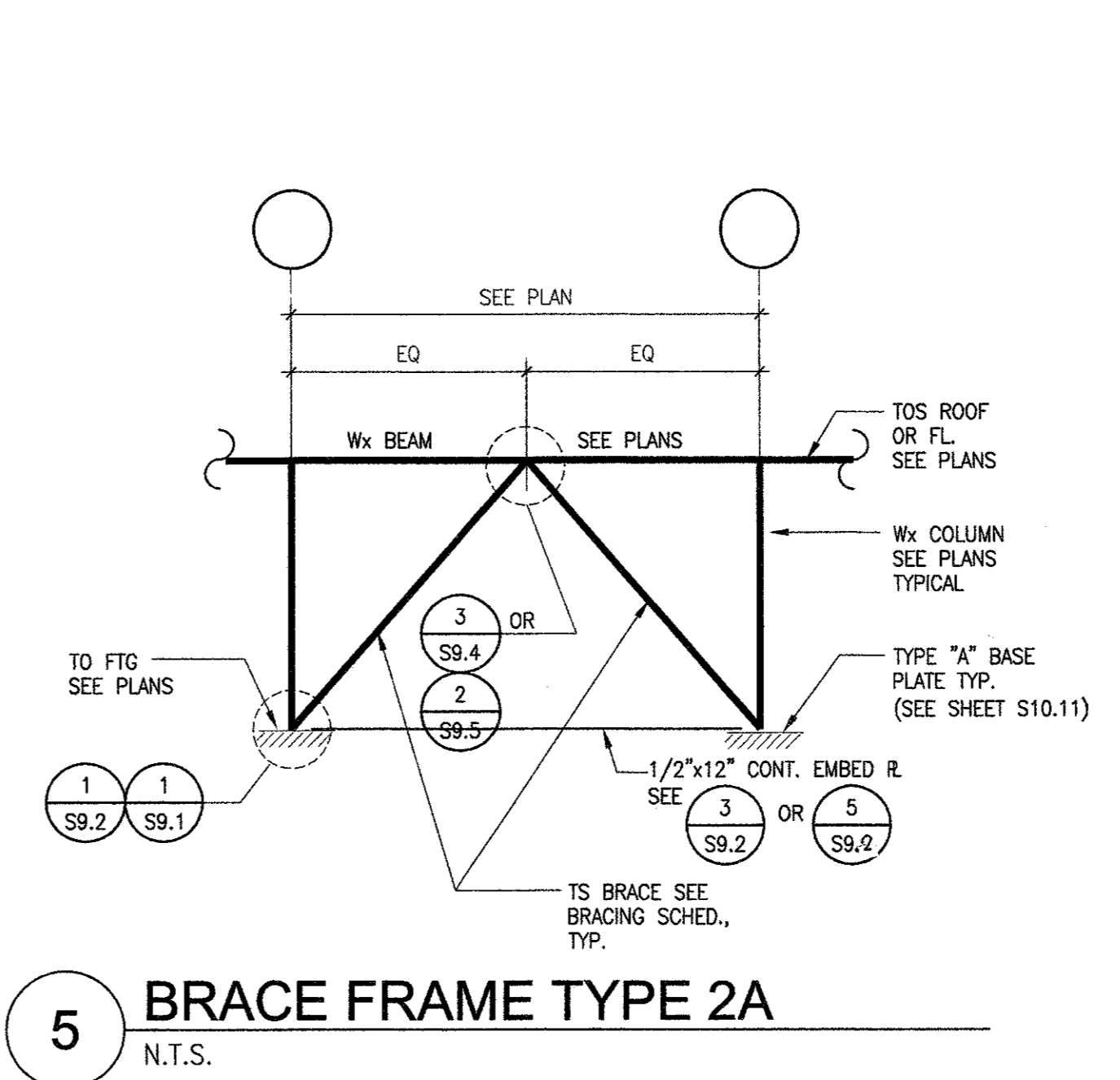
REVIEW SET

20050420.17161049 K:\Skyline Community College\Drawings\Rev-1\SKY-582.03.dwg

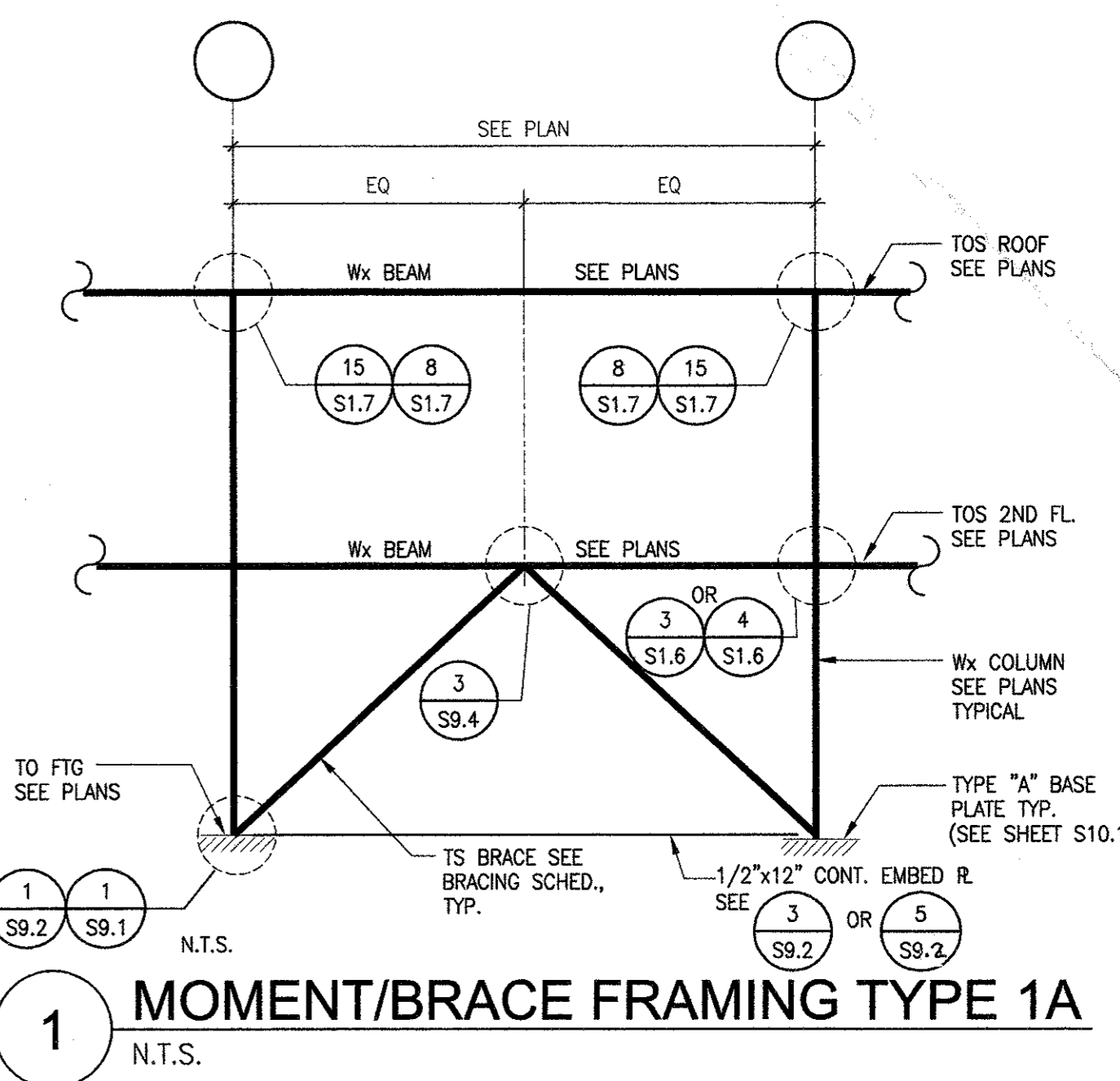
Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.



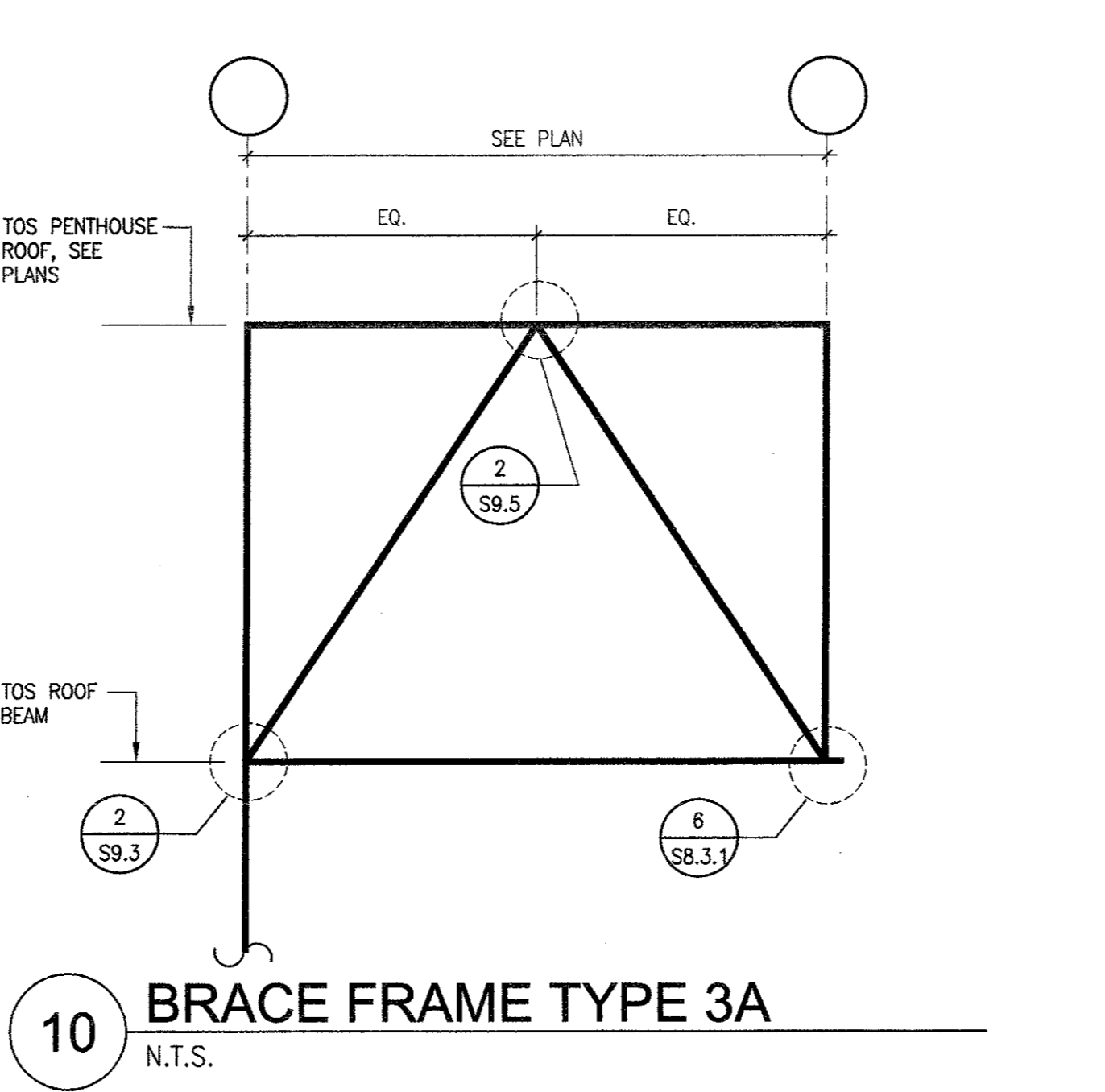
9 BRACE FRAME TYPE 1E
N.T.S.



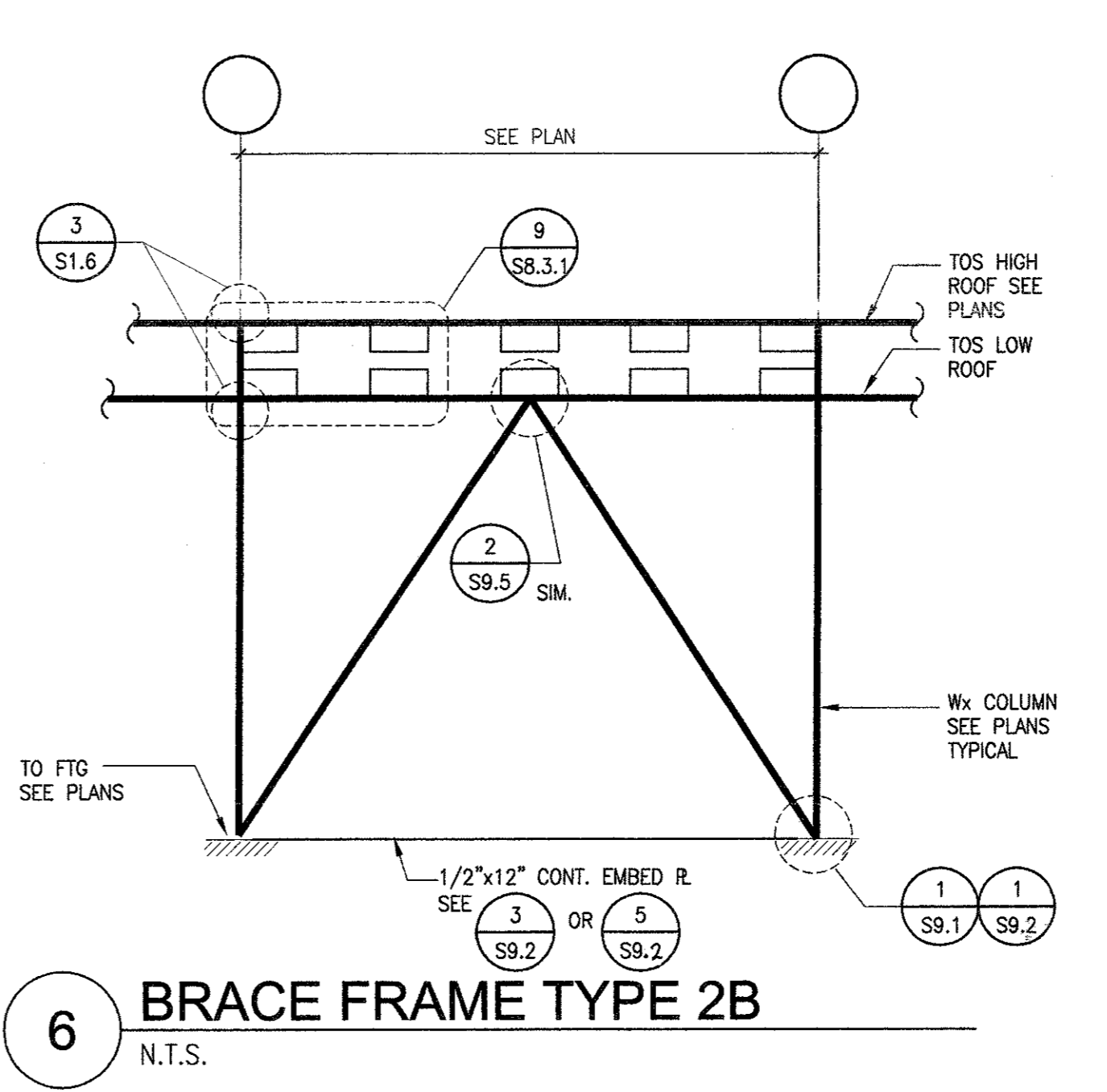
5 BRACE FRAME TYPE 2A
N.T.S.



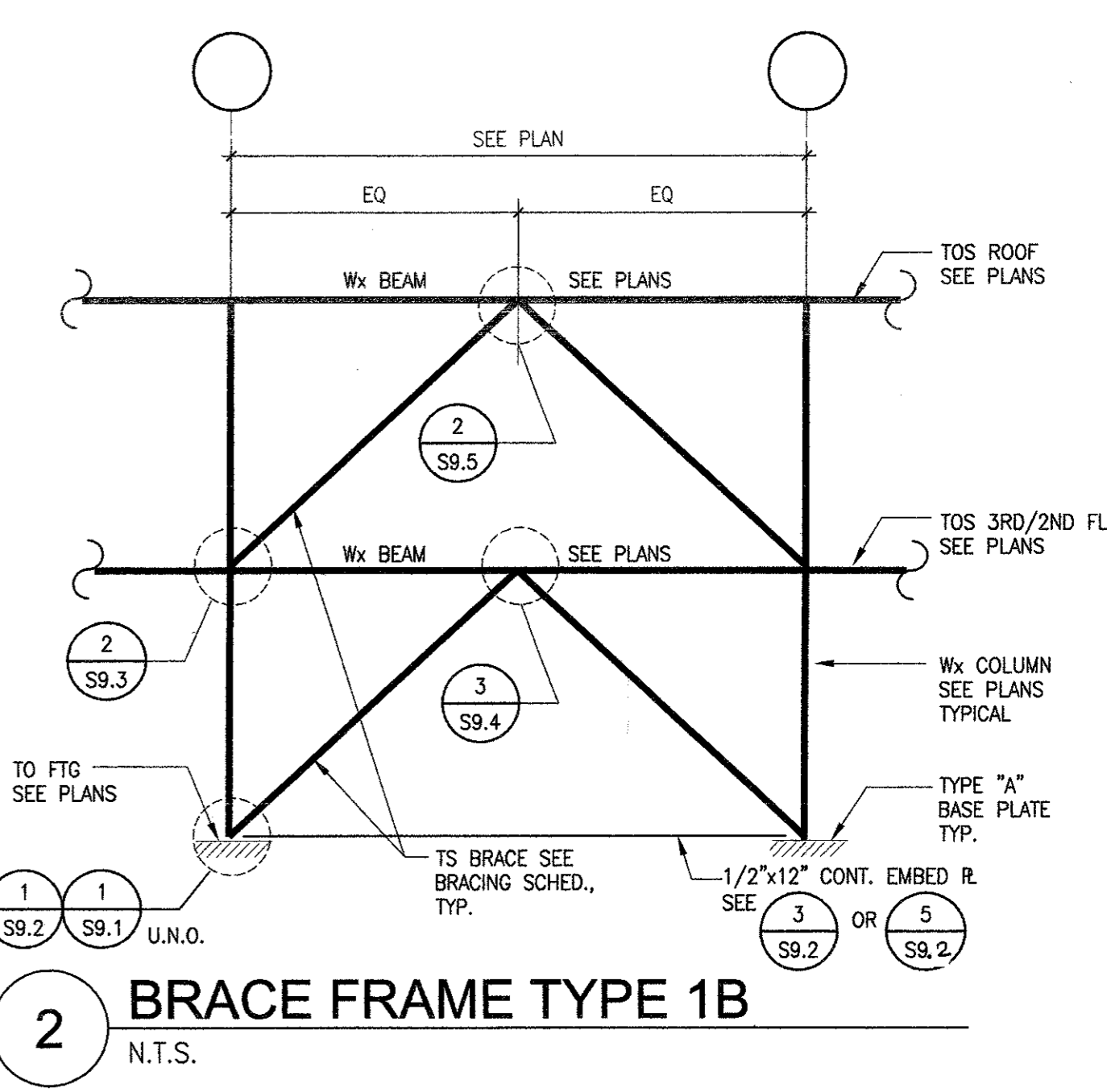
1 MOMENT/BRACE FRAMING TYPE 1A
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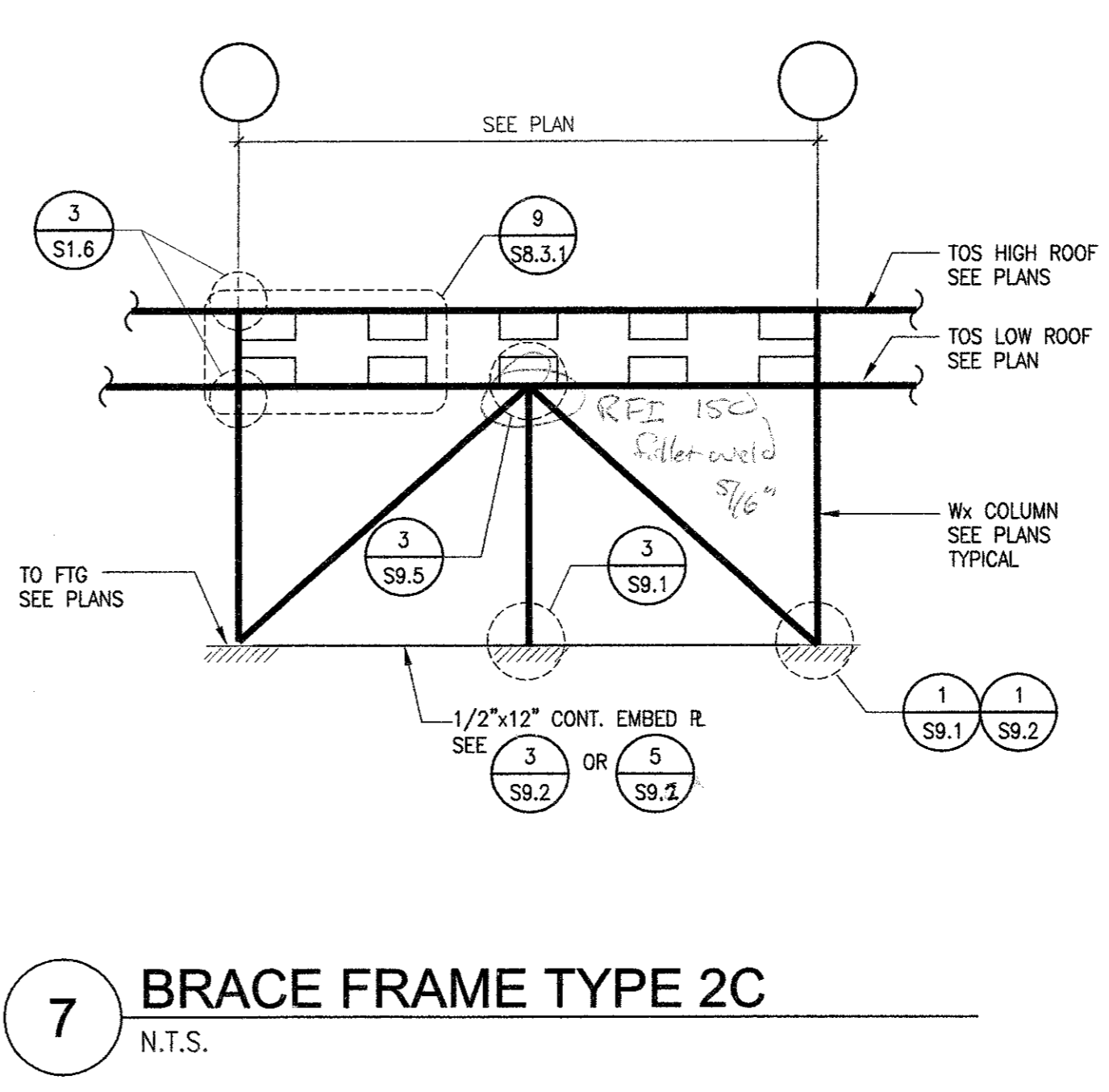
10 BRACE FRAME TYPE 3A
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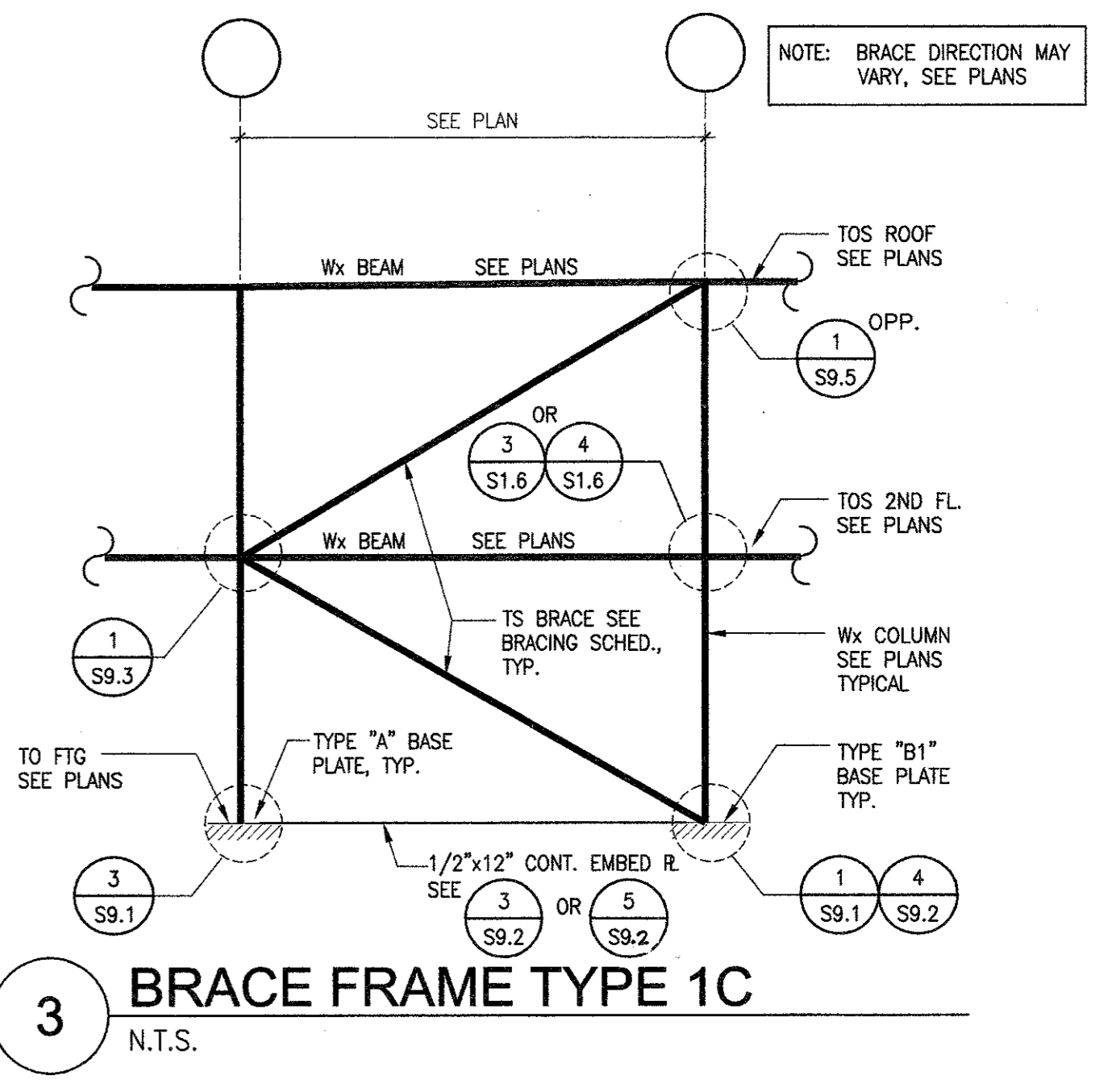
6 BRACE FRAME TYPE 2B
N.T.S.



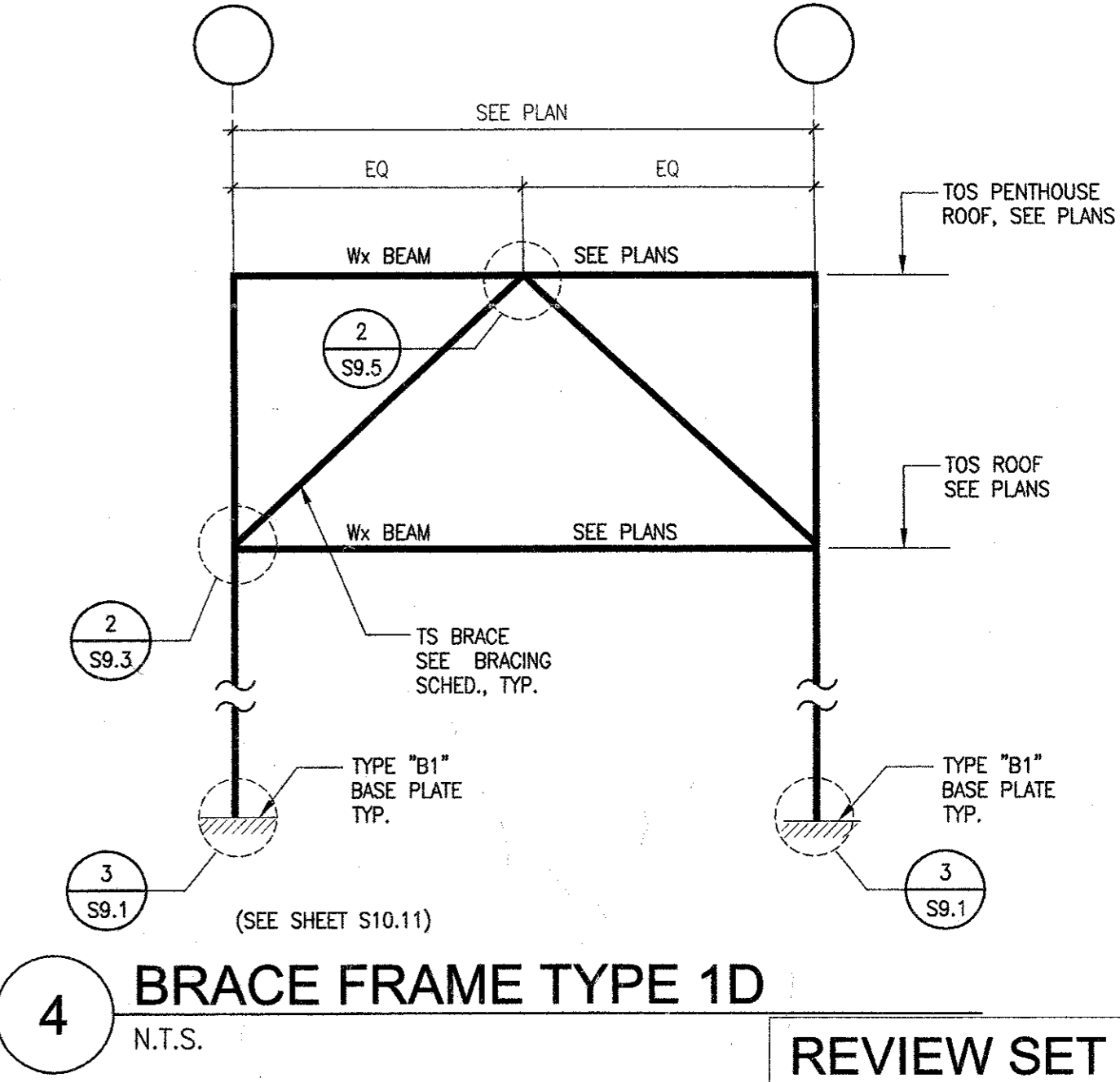
2 BRACE FRAME TYPE 1B
N.T.S.



7 BRACE FRAME TYPE 2C
N.T.S.



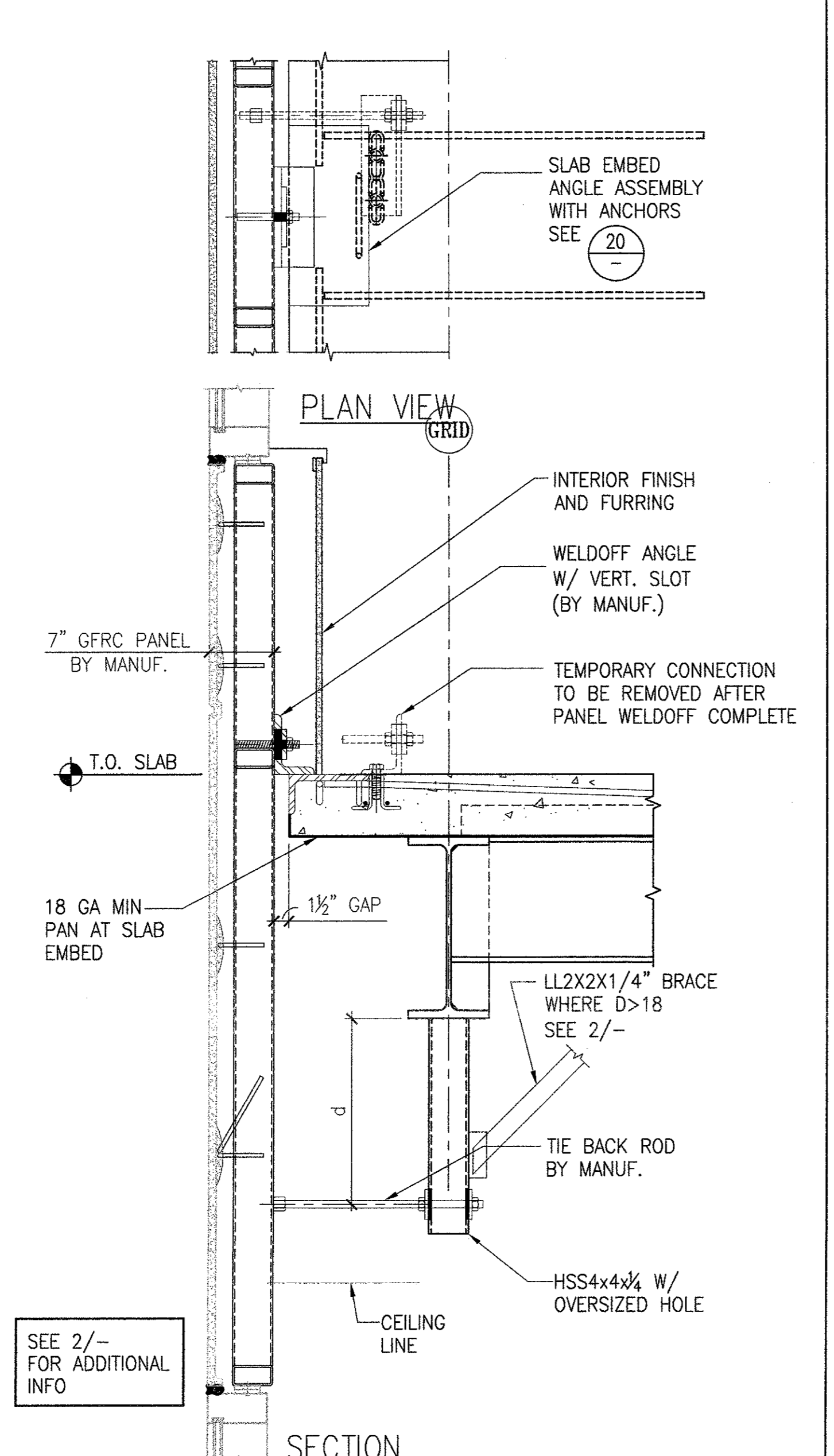
3 BRACE FRAME TYPE 1C
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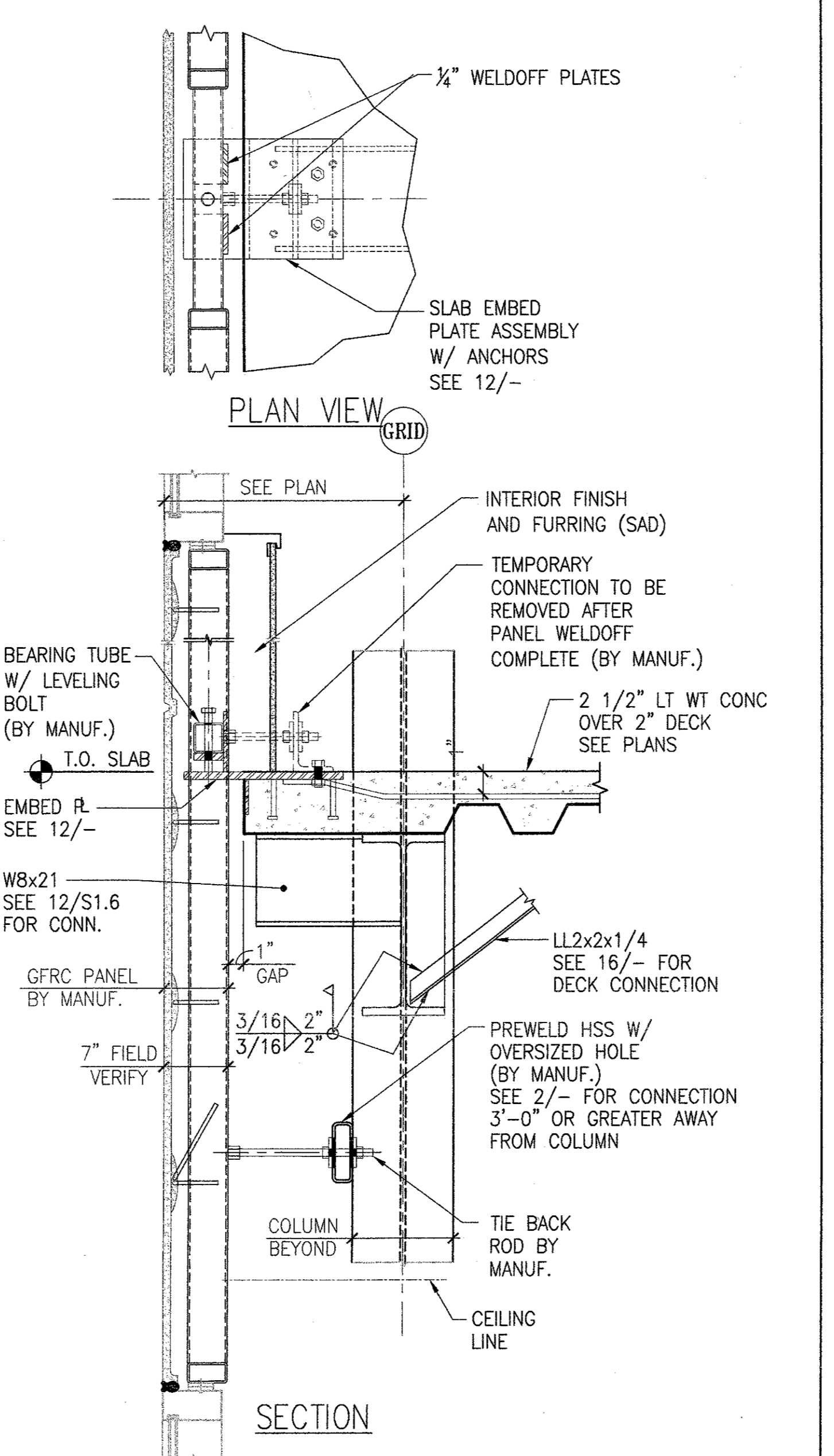
4 BRACE FRAME TYPE 1D
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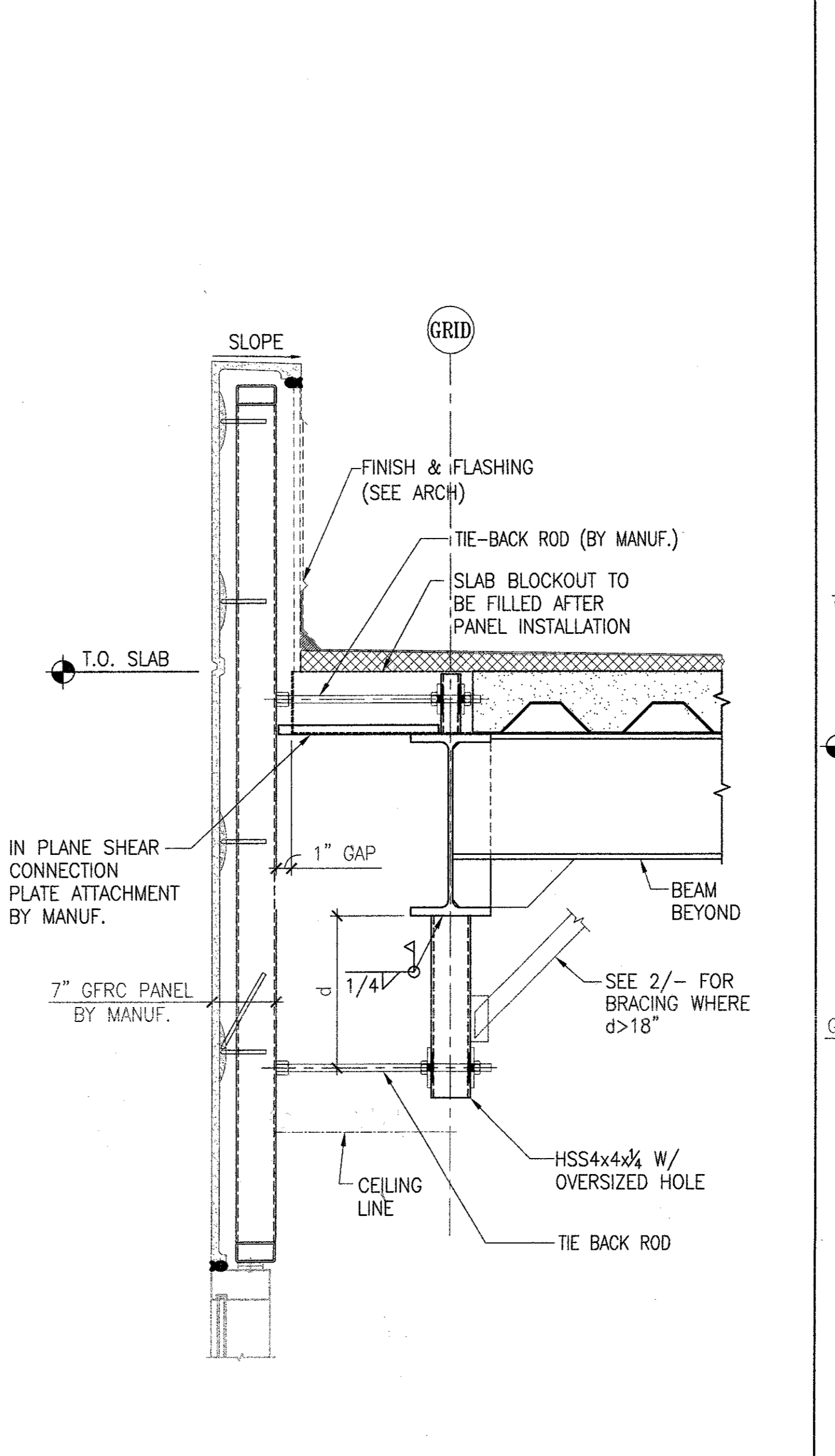
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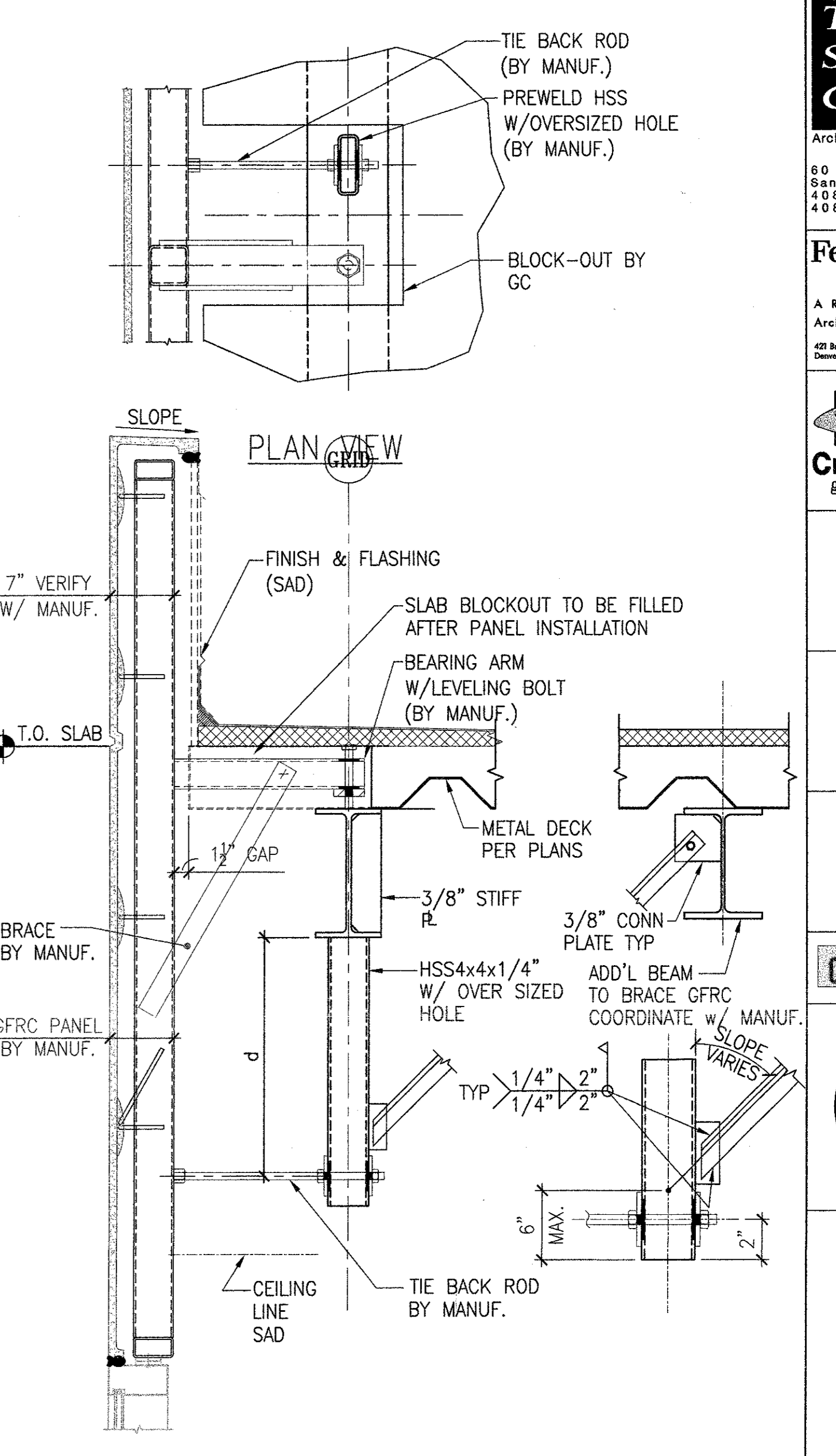
14 EXTERIOR SECTION @ 2ND FLOOR
N.T.S.



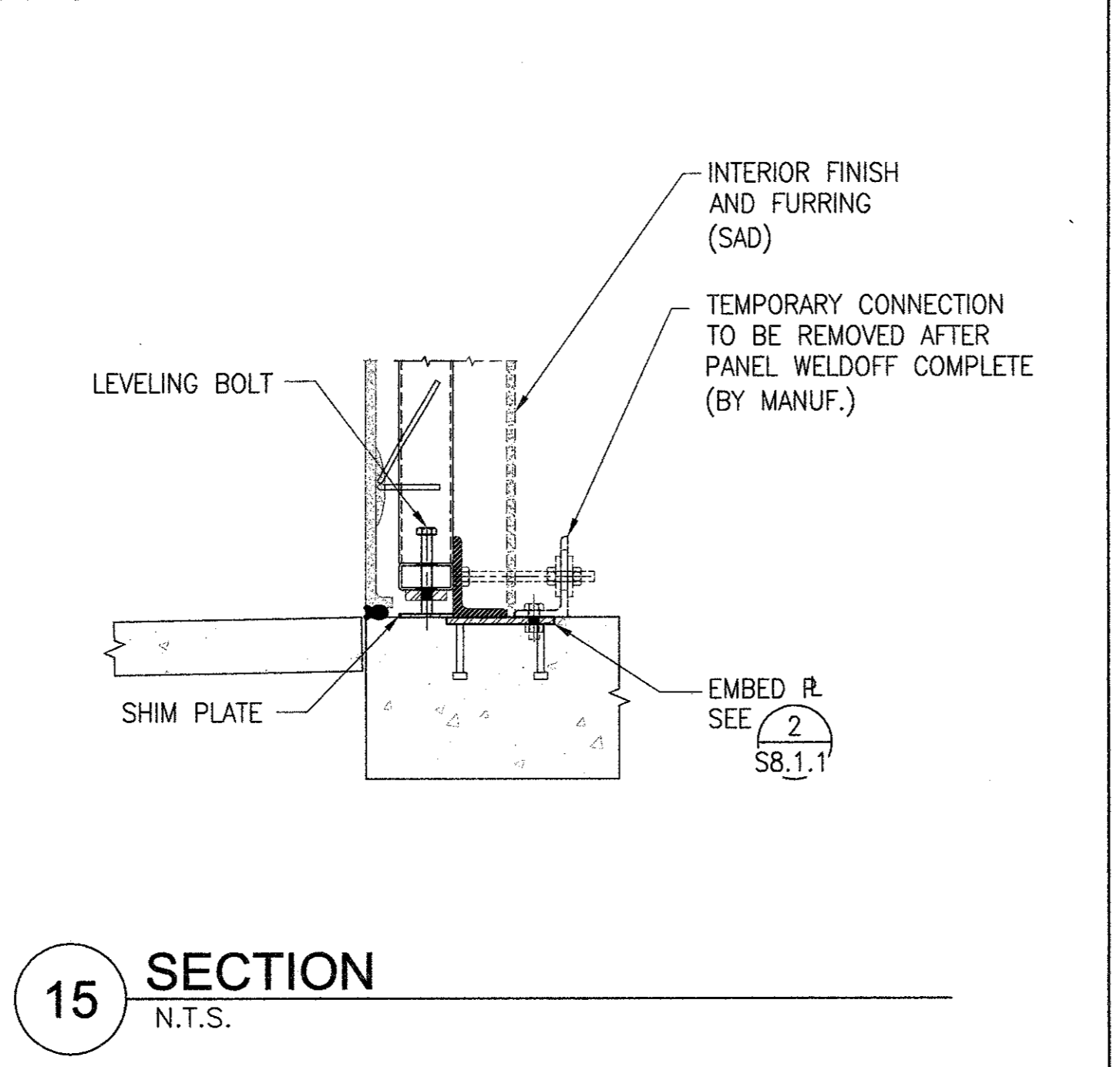
10 EXTERIOR SECTION @ 2ND FLOOR
N.T.S.



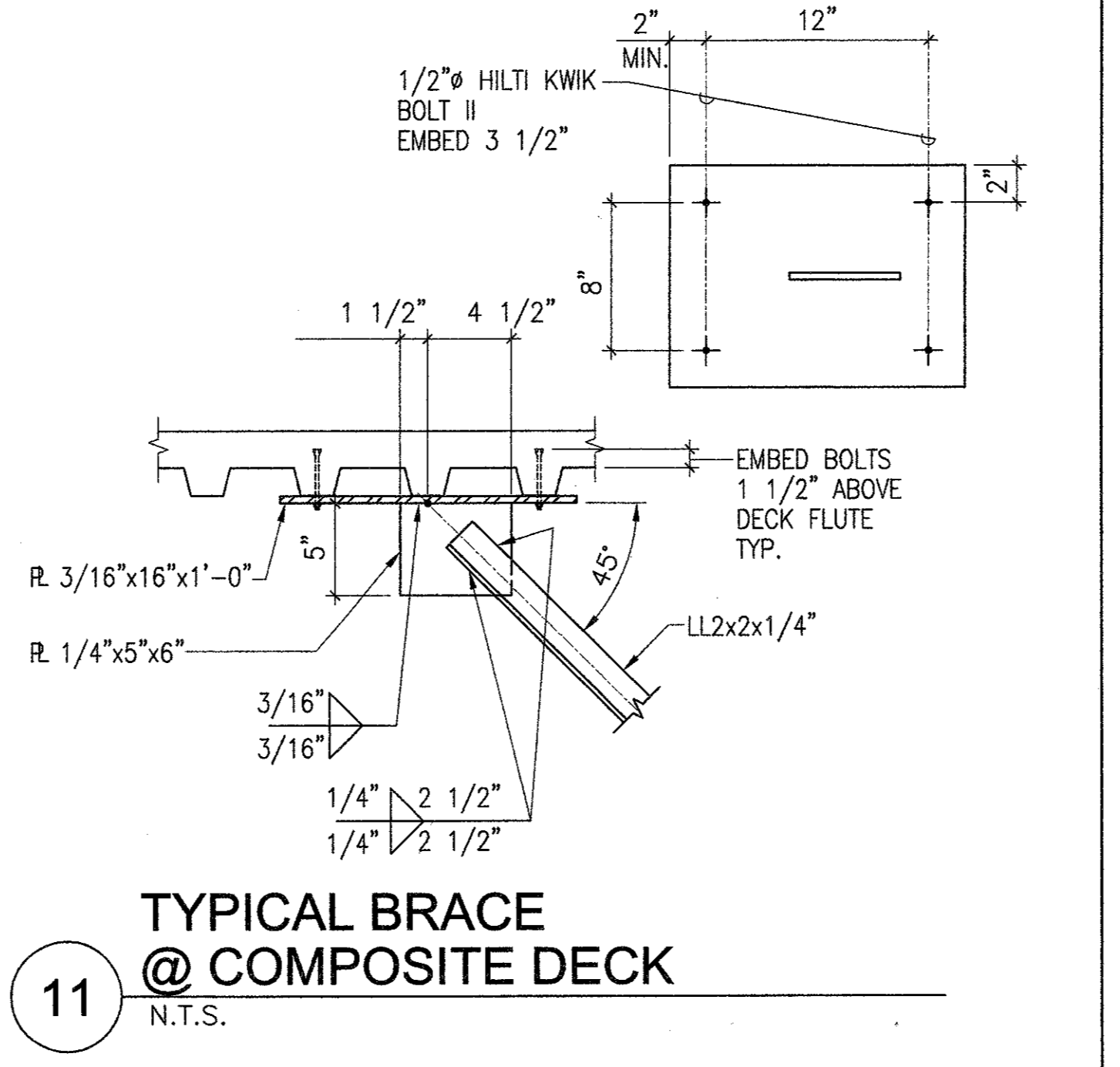
6 EXTERIOR SECTION @ ROOF
N.T.S.



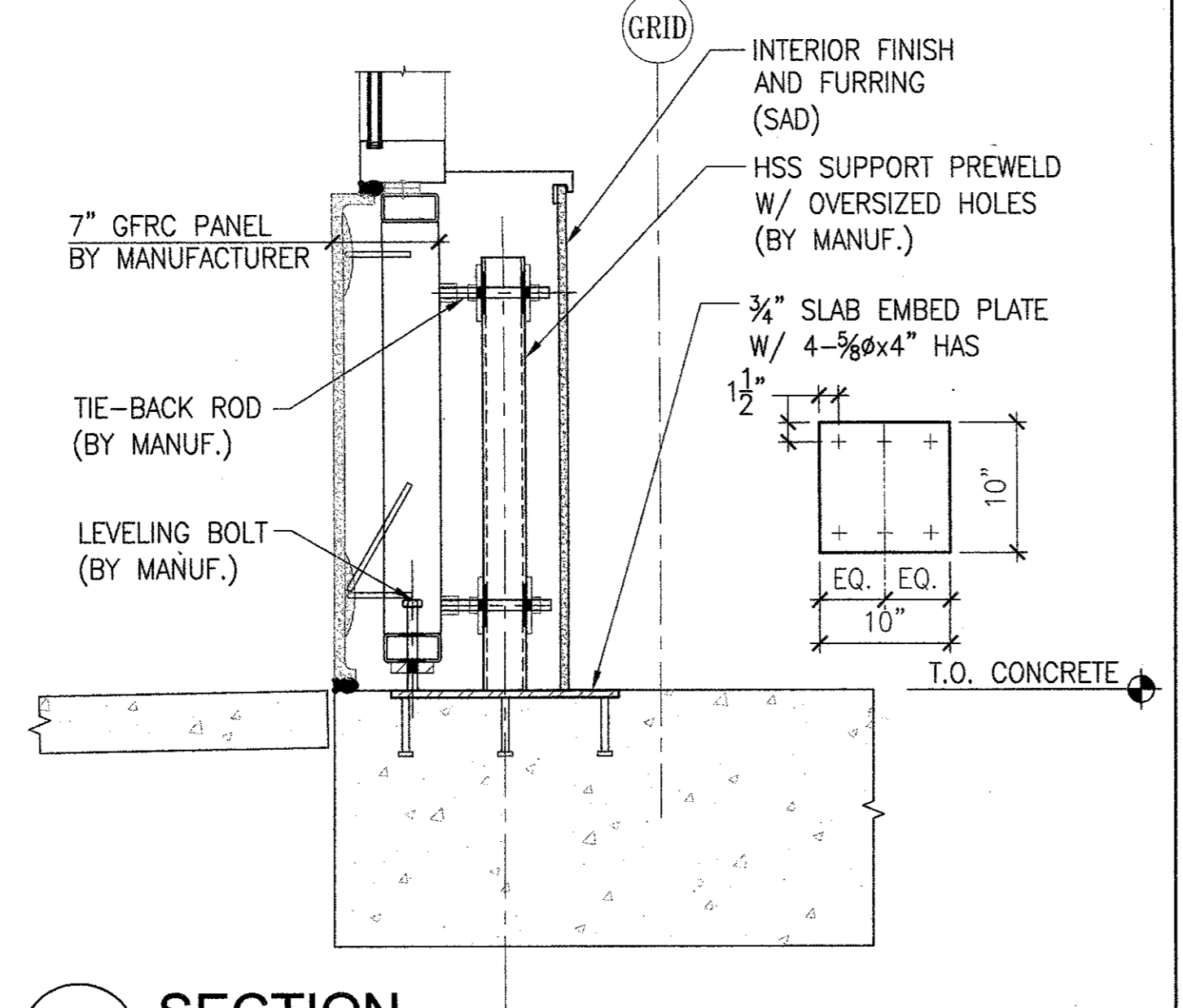
2 EXTERIOR SECTION @ ROOF
N.T.S.



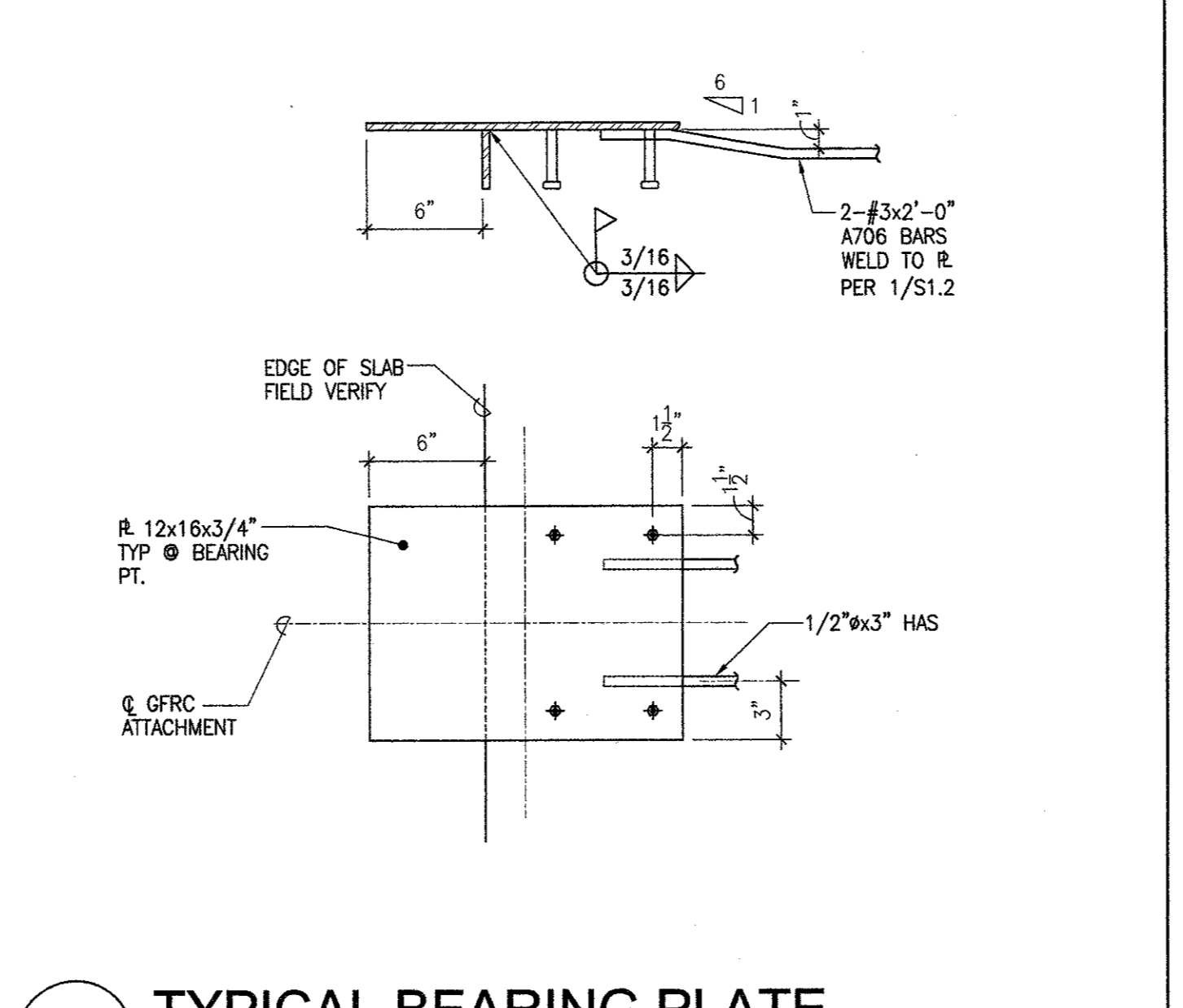
15 SECTION
N.T.S.



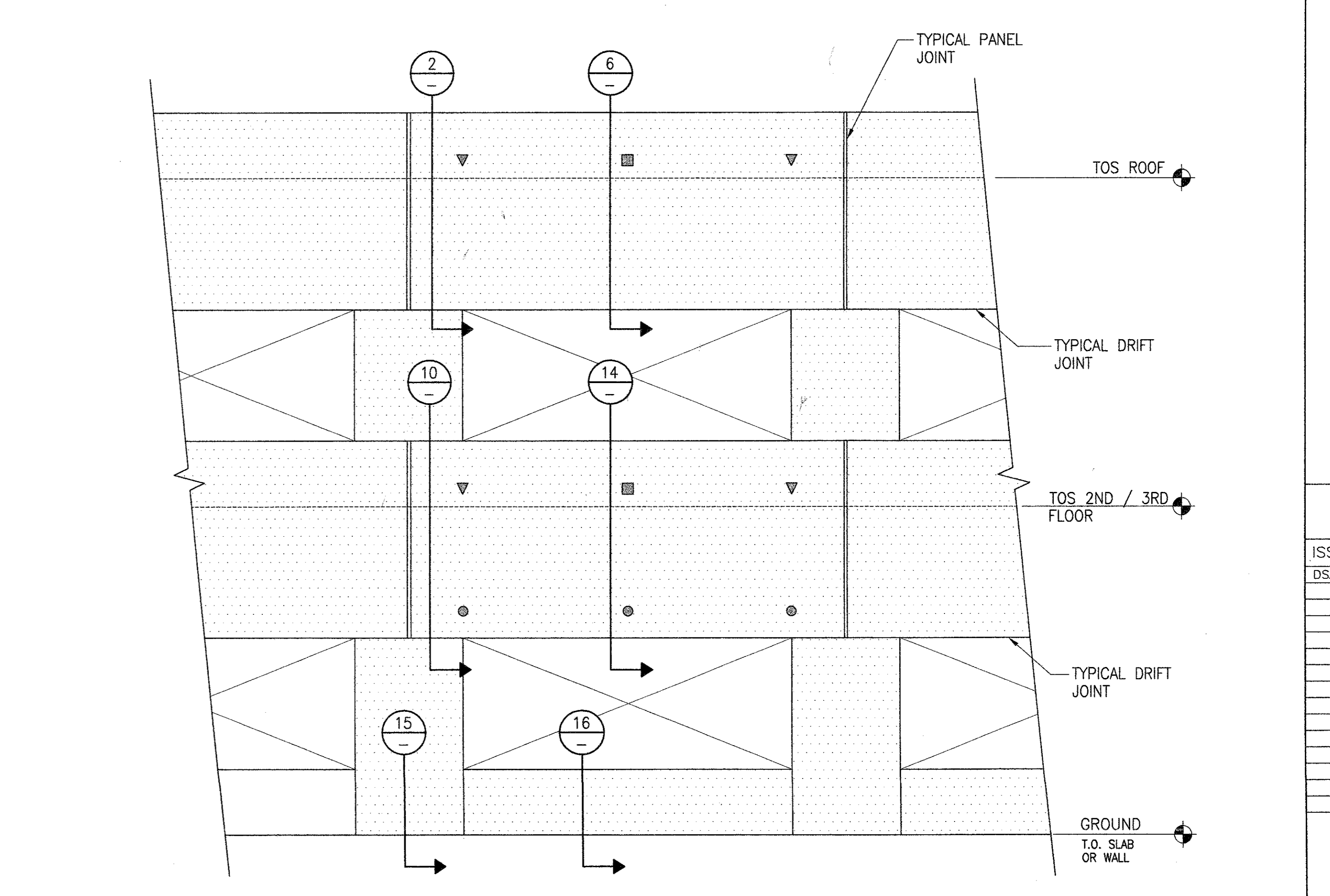
11 TYPICAL BRACE @ COMPOSITE DECK
N.T.S.



16 SECTION
N.T.S.



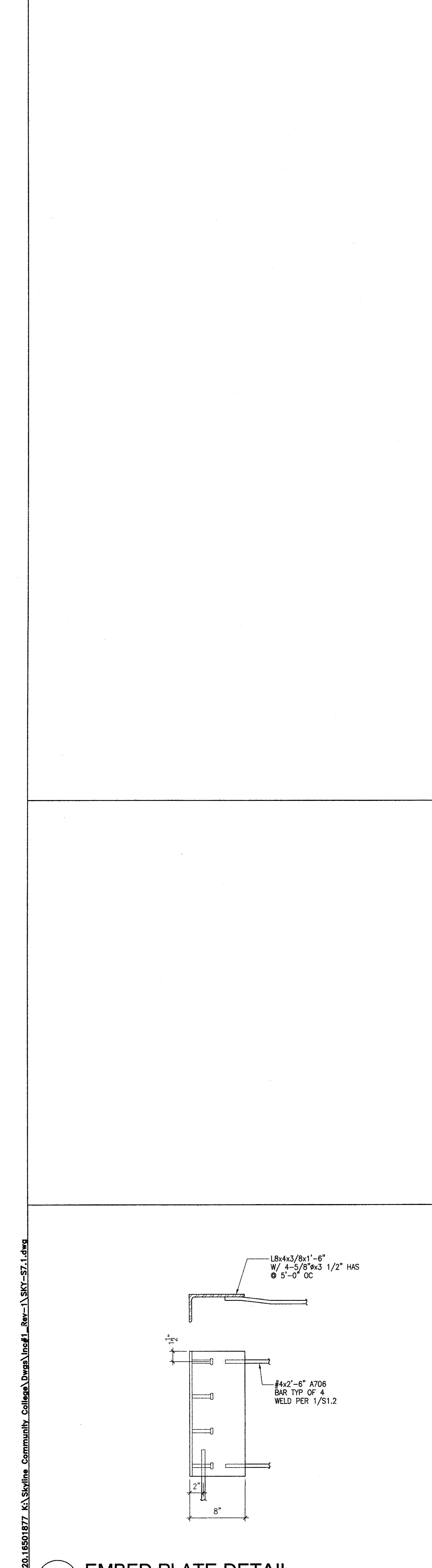
12 TYPICAL BEARING PLATE
N.T.S.



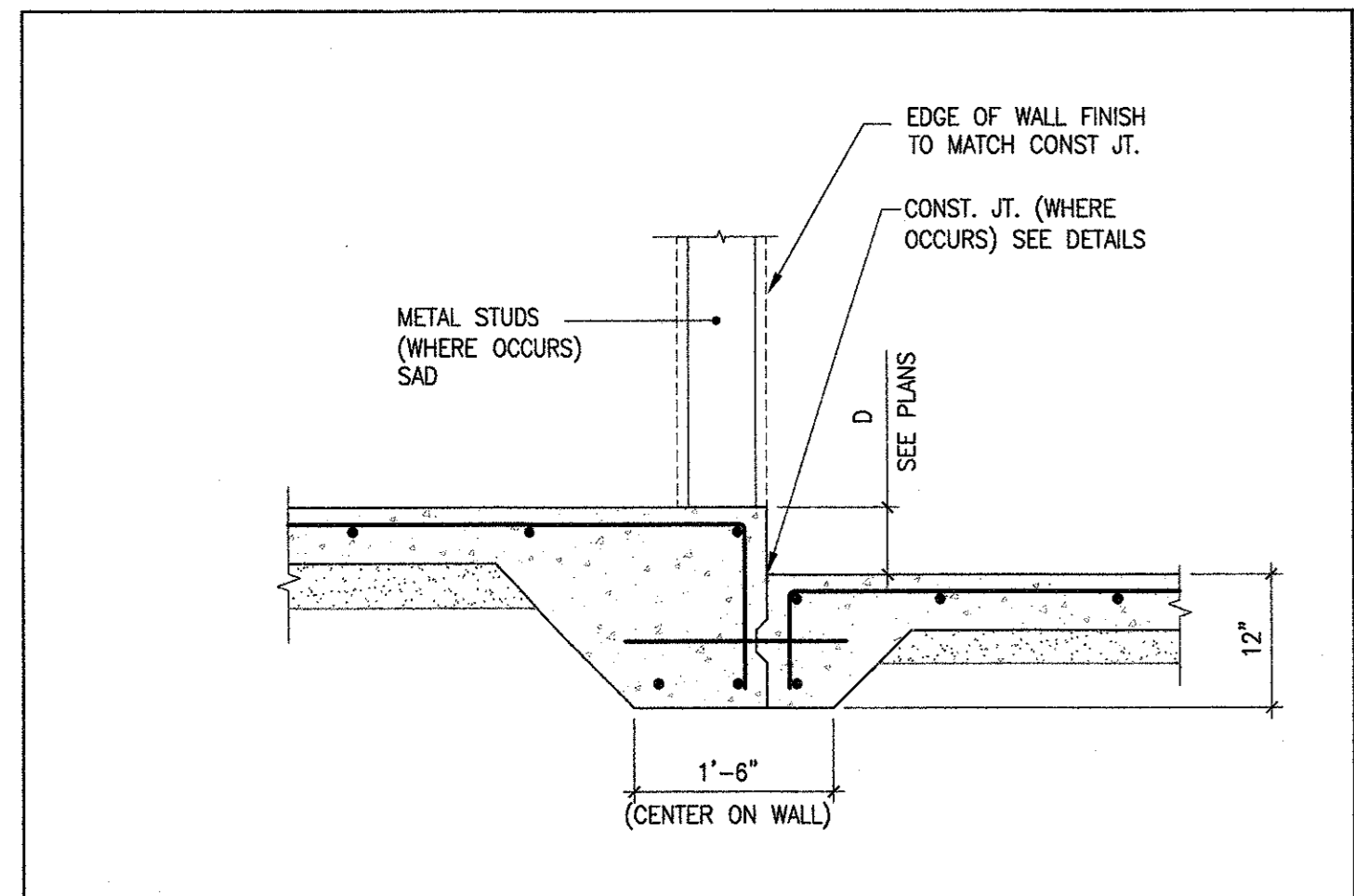
GENERAL NOTES:

- ▽ - DENOTES TYPICAL BEARING CONNECTION.
○ - DENOTES TYPICAL PUSH/PULL OUT-OF-PLANE CONNECTION.
■ - DENOTES PUSH/PULL & SHEAR CONNECTION.
- GENERAL CONTRACTOR TO SUBMIT DRAWING AND CALCULATIONS FOR DESIGN OF THE EXTERIOR GFRC SYSTEM (DEFERRED APPROVAL) SEE INCREMENT #2 DRAWING.

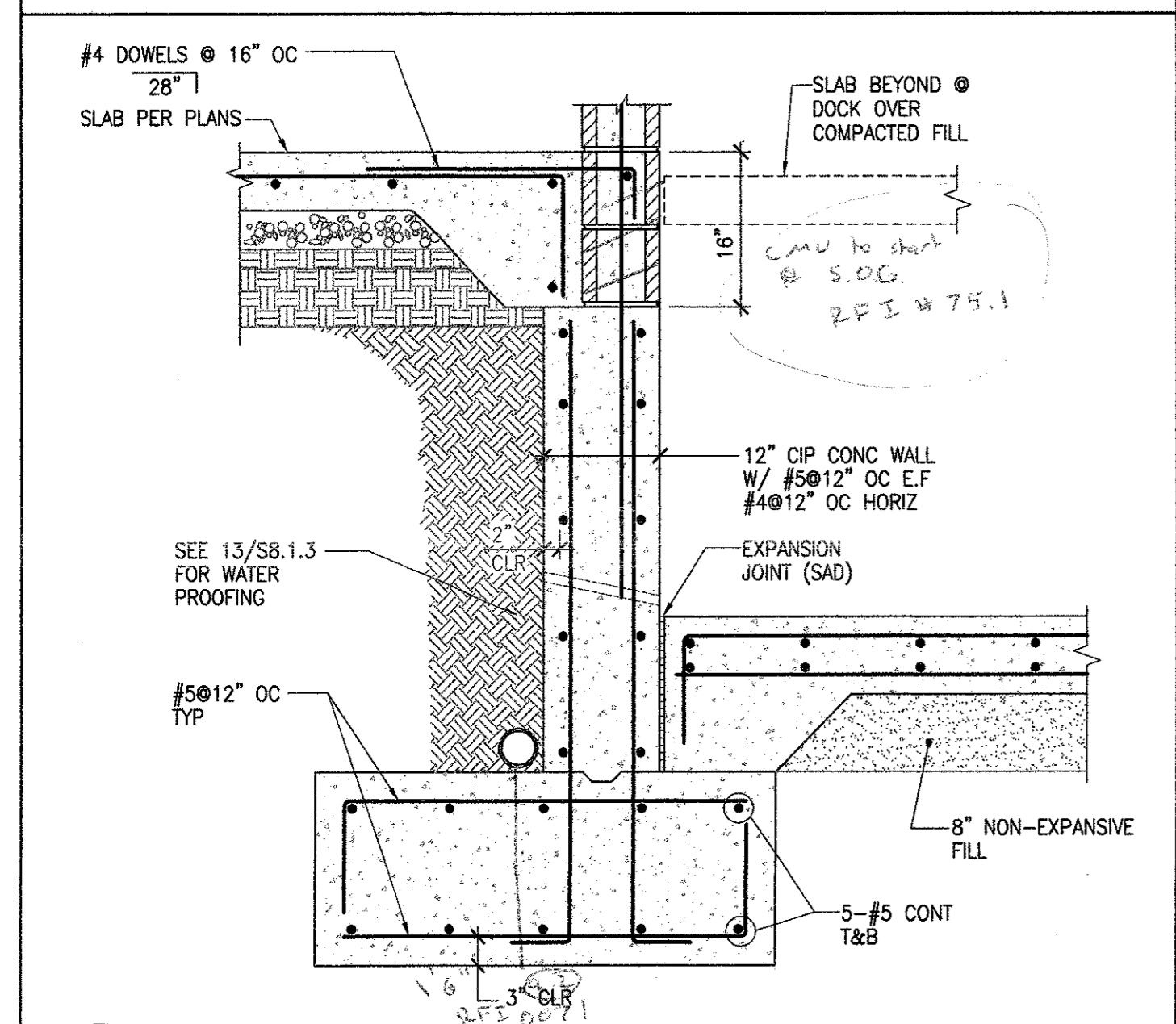
THIS SHEET IS FOR REFERENCE ONLY
FOR INFORMATION ON ANCHORAGE OF GFRC PANELS TO BUILDING STRUCTURE. SEE GFRC DESIGN DRAWINGS AND DOCUMENTS PREPARED AND SUBMITTED BY WILLIS CONSTRUCTION OF SAN-JUAN BAUTISTA, CA, AND APPROVED FOR CONSTRUCTION BY DSA.



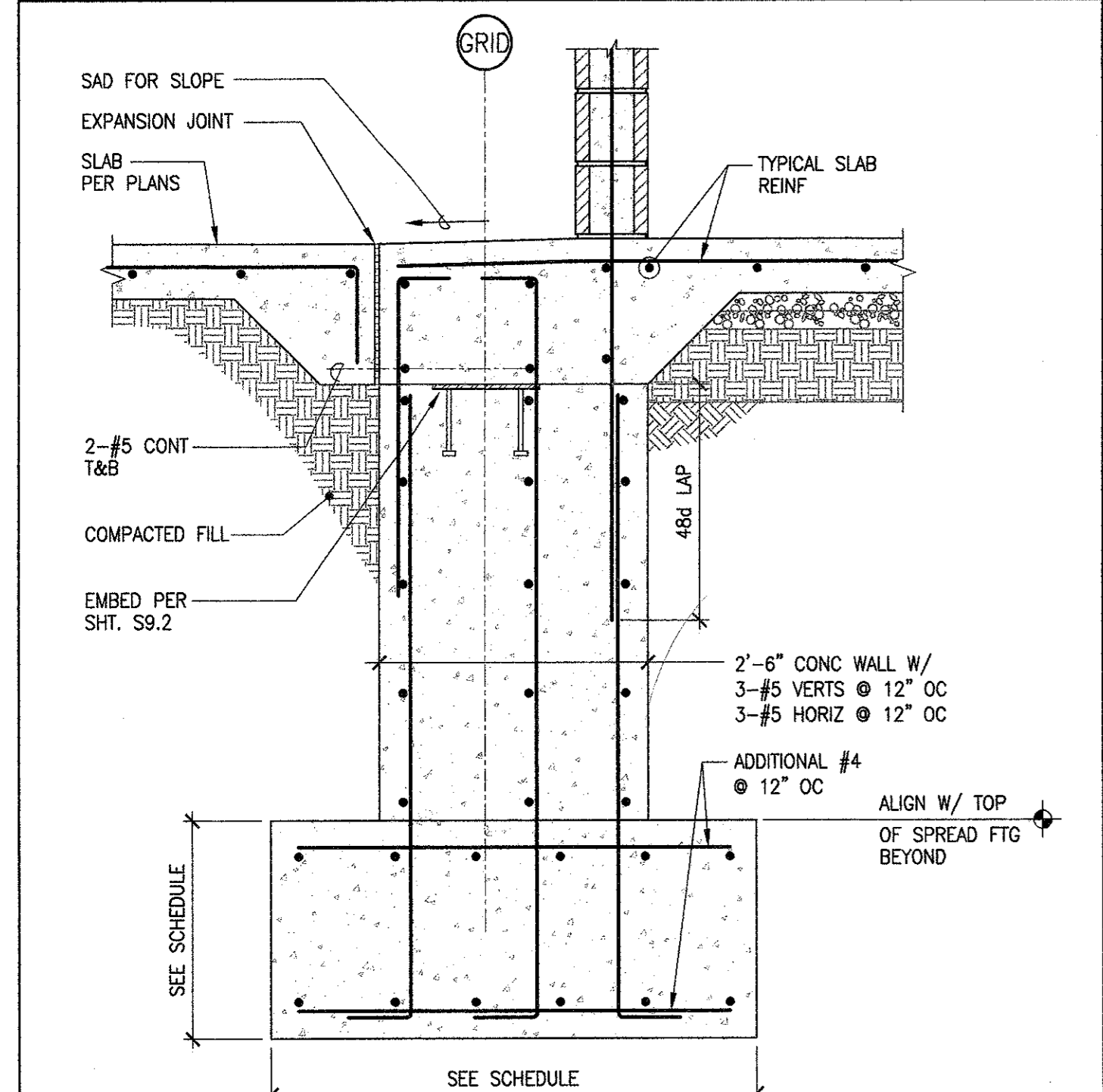
20 EMBED PLATE DETAIL
N.T.S.



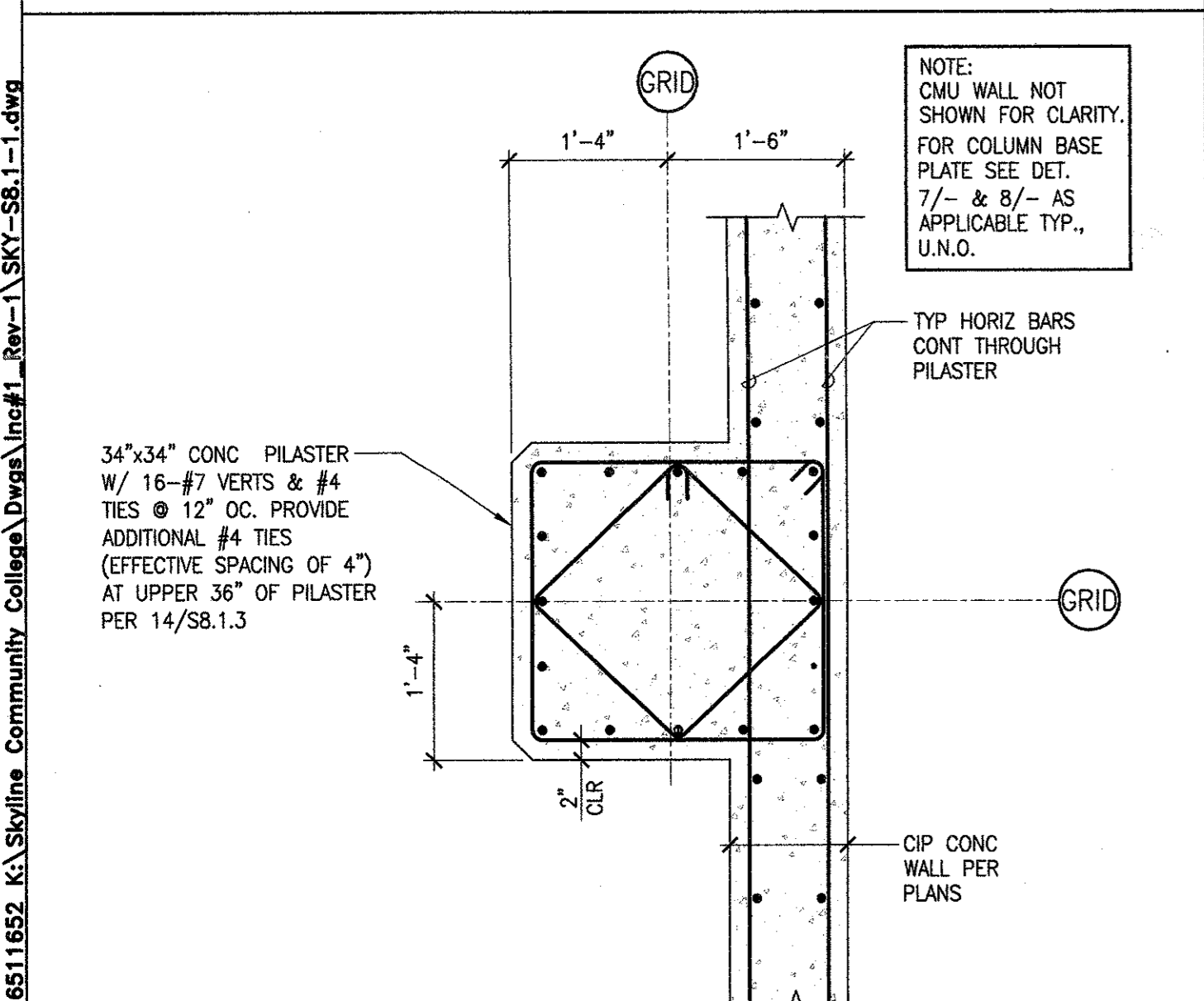
17 SECTION @ FOOTING
SCALE: 3/4" = 1'-0"



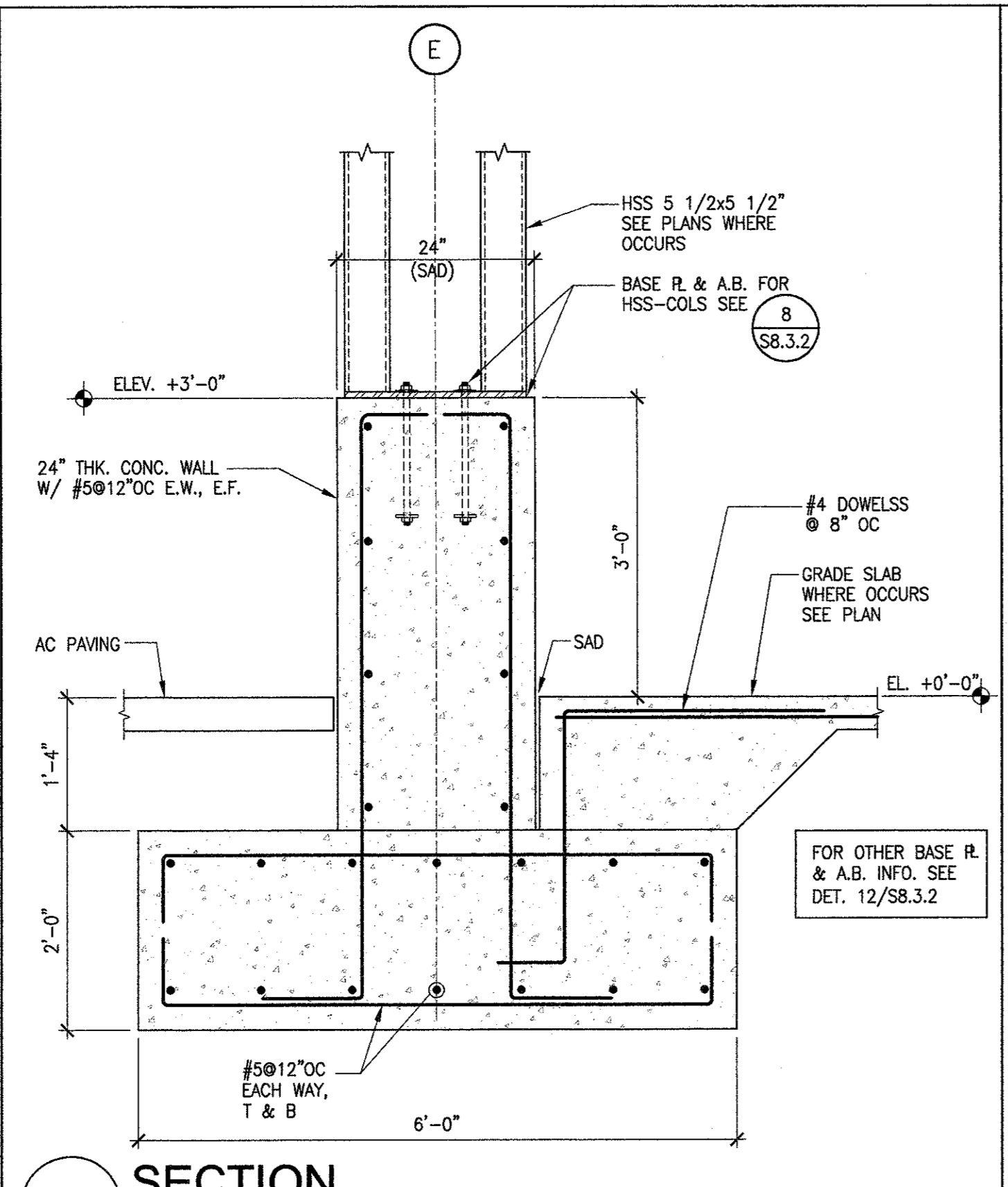
18 SECTION @ EXTERIOR
SCALE: 3/4" = 1'-0"



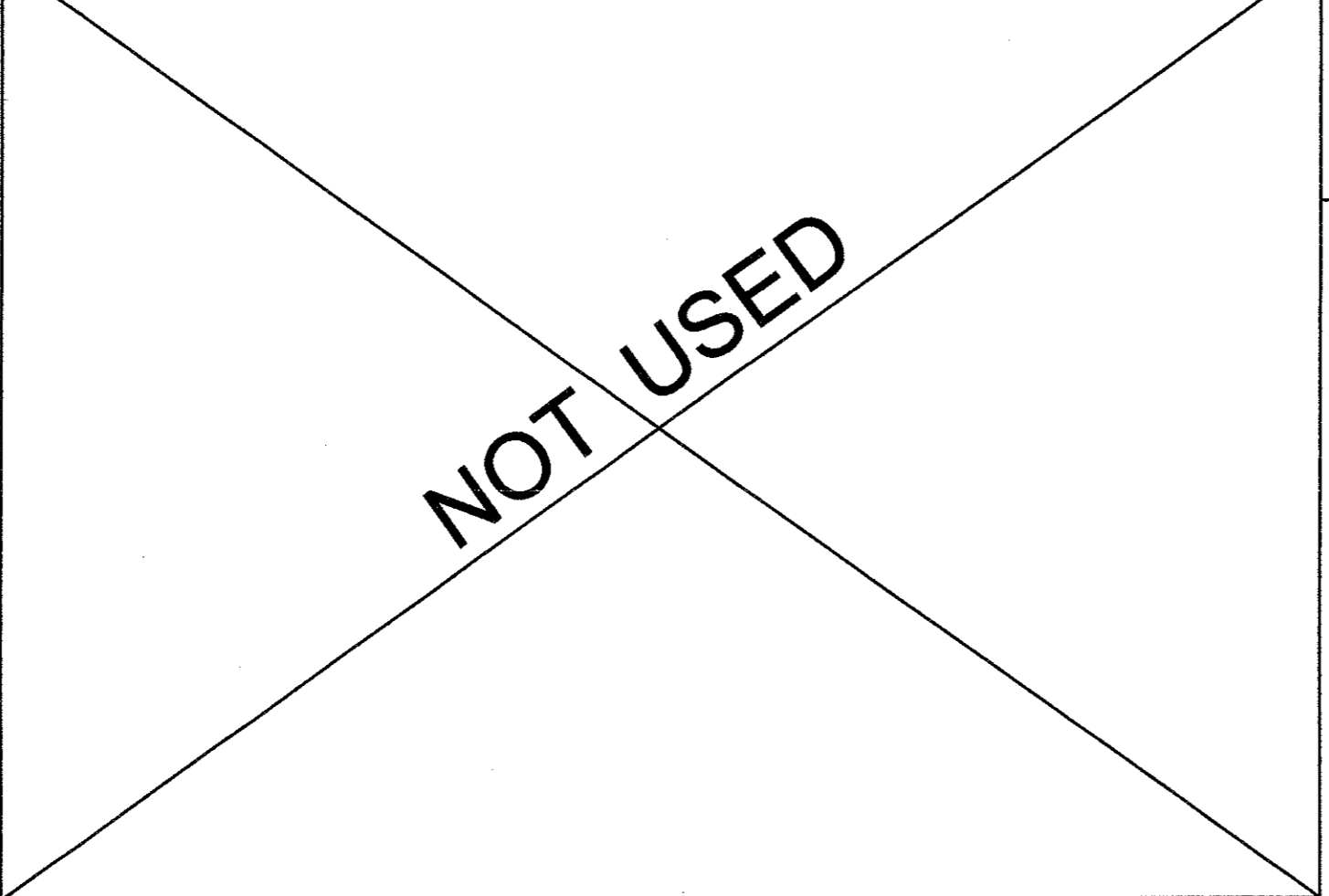
19 SECTION @ EXTERIOR
SCALE: 3/4" = 1'-0"



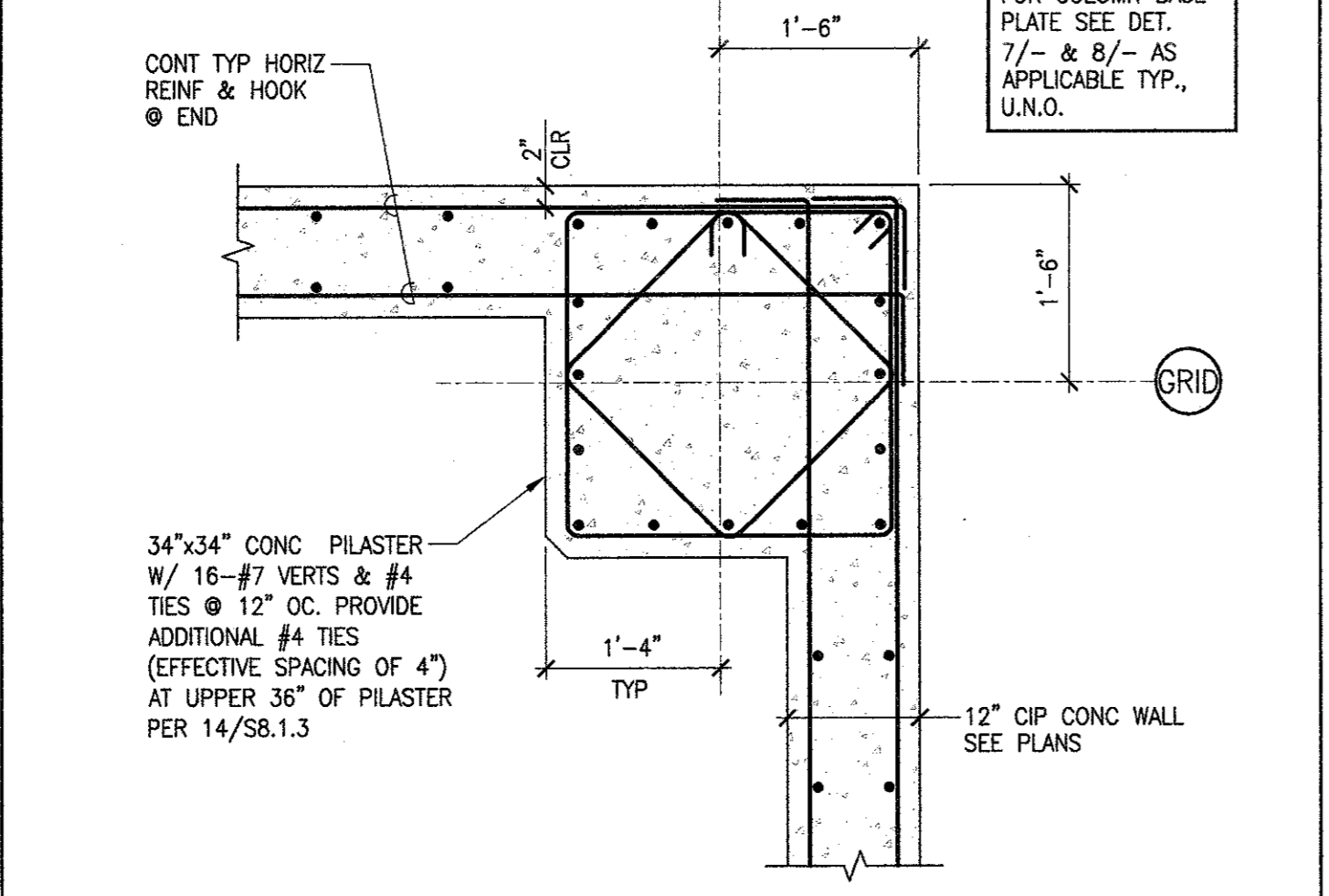
20 PLAN @ PILASTER
SCALE: 3/4" = 1'-0"



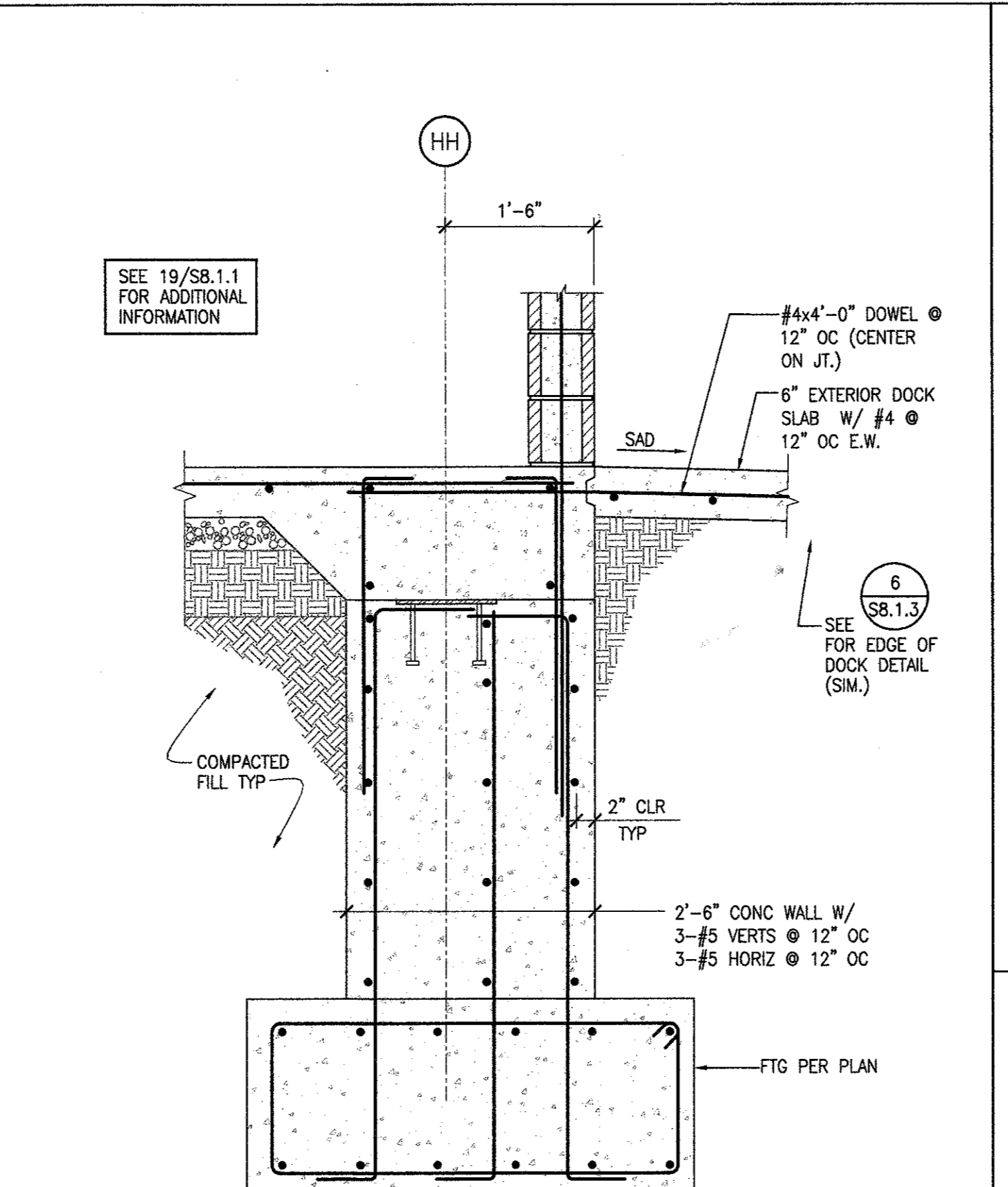
13 SECTION
SCALE: 3/4" = 1'-0"



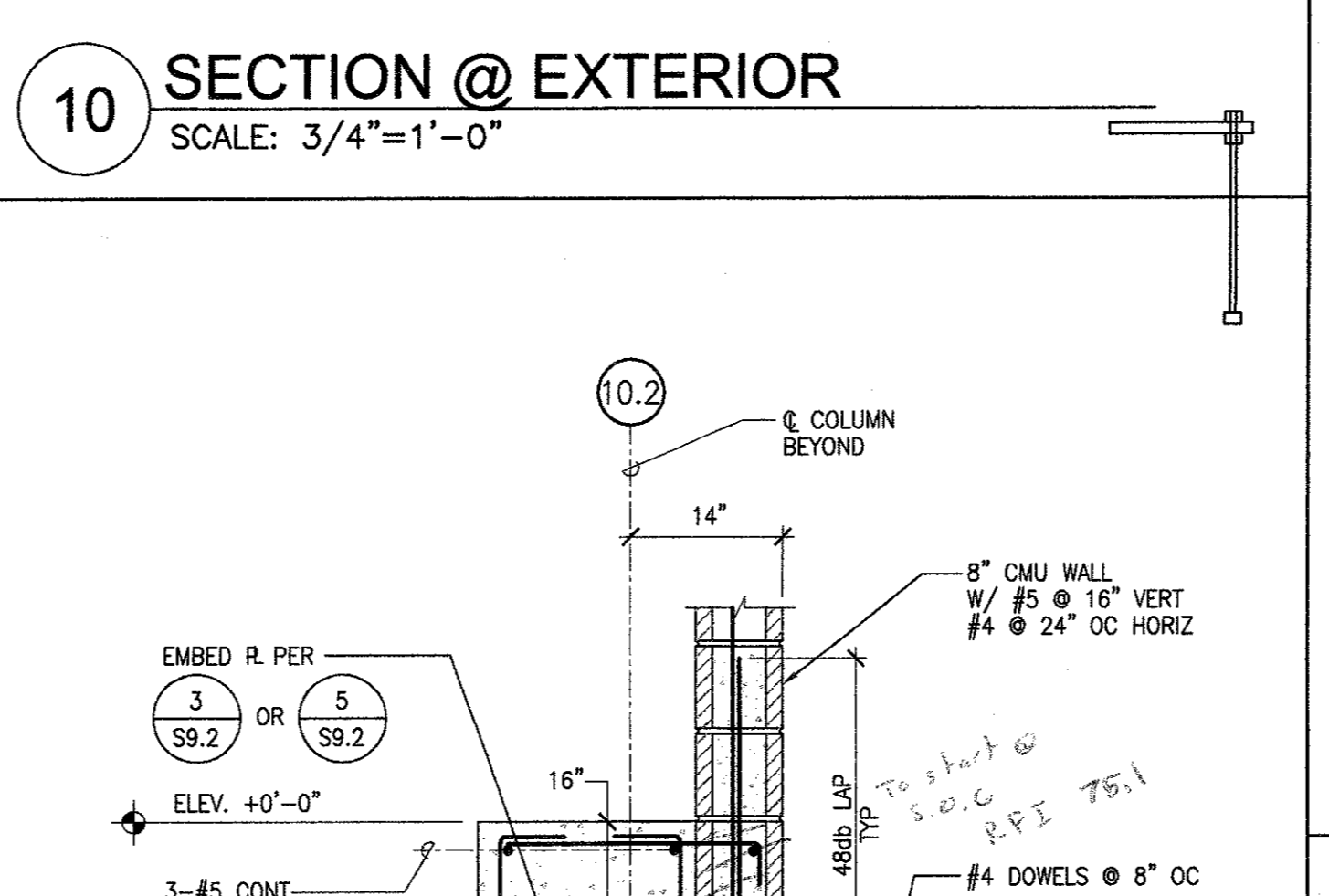
15 PLAN @ PILASTER
SCALE: 3/4" = 1'-0"



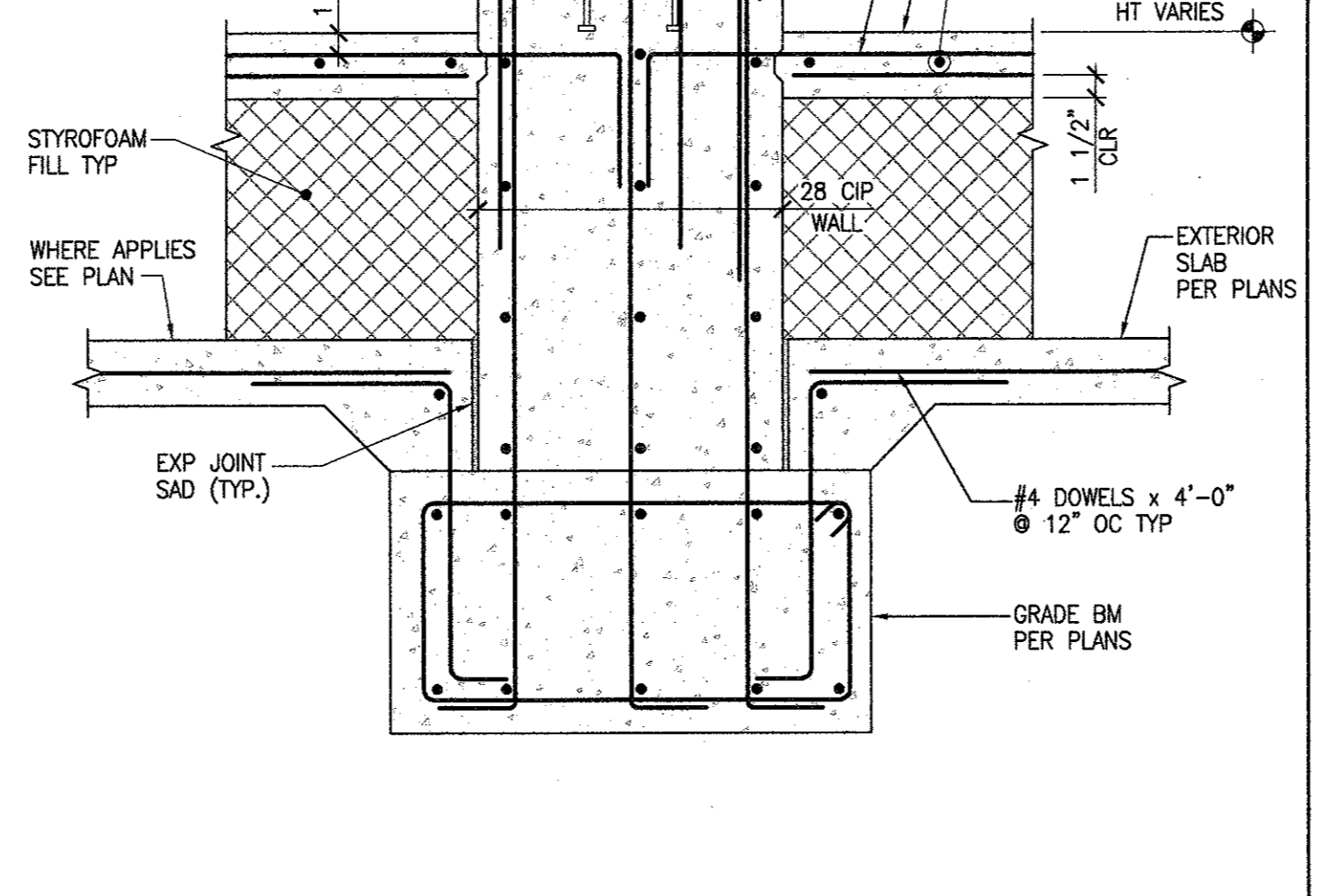
16 SECTION @ ELEVATOR PIT
SCALE: 3/4" = 1'-0"



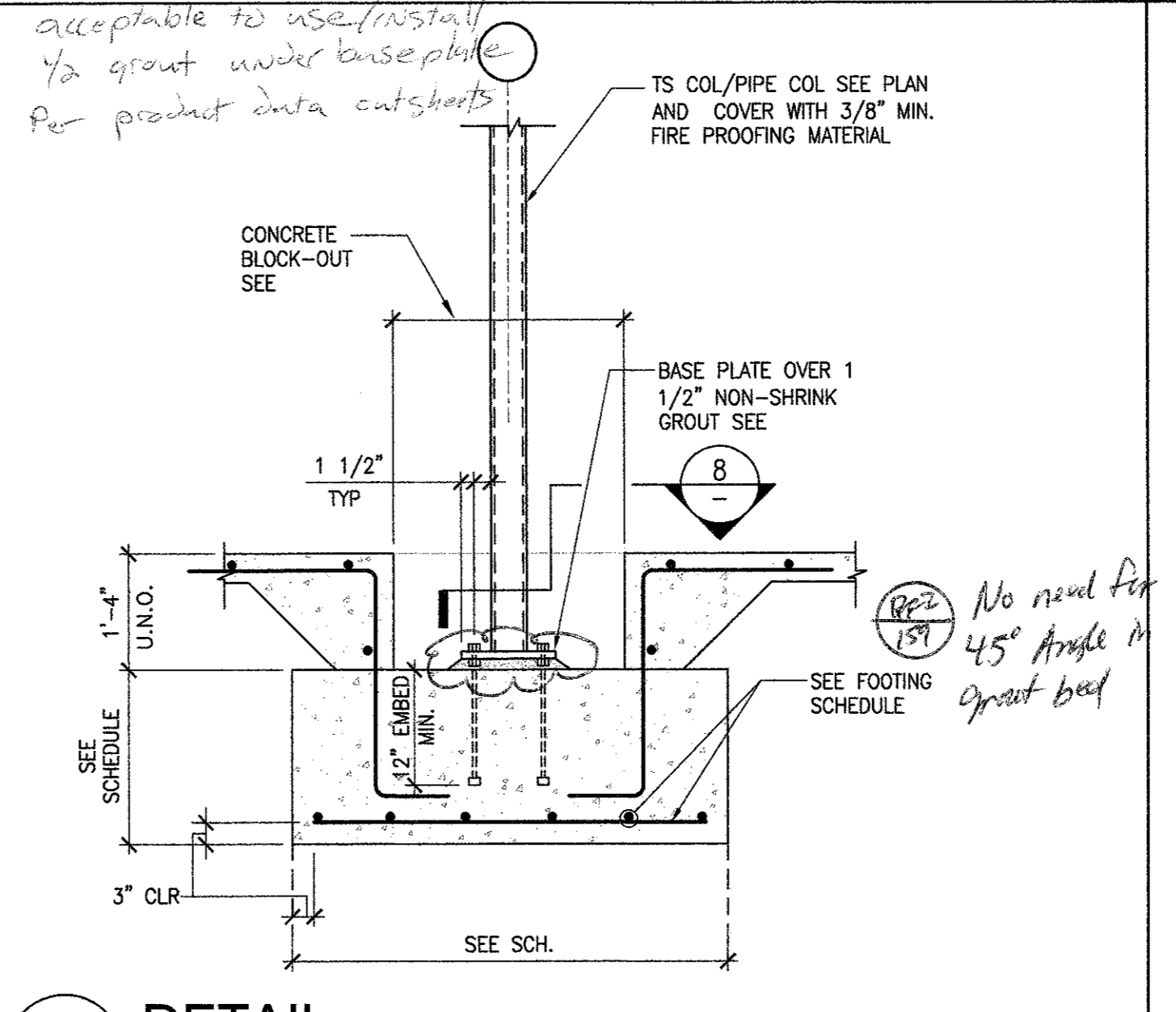
10 SECTION @ EXTERIOR
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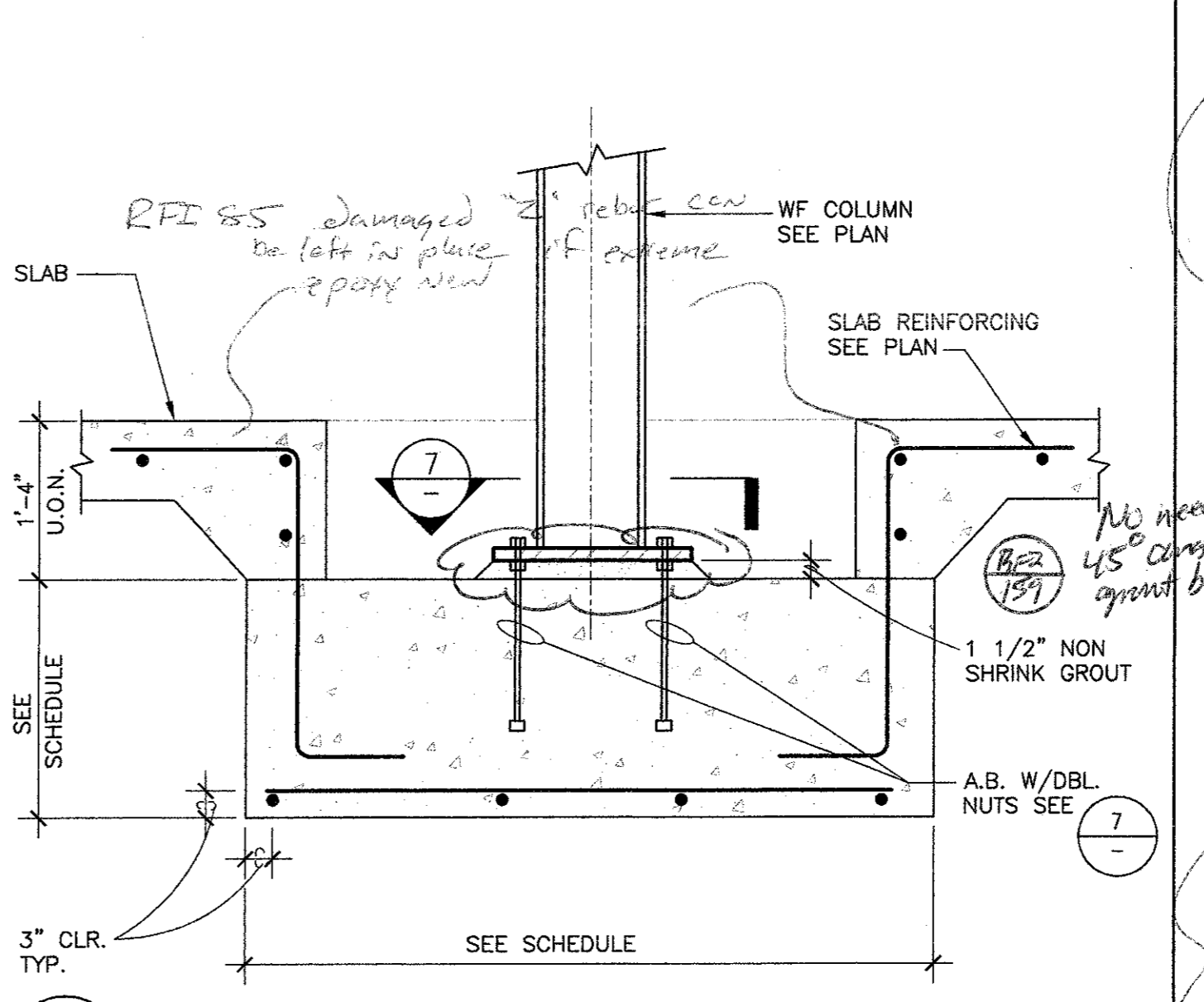
11 SECTION
SCALE: 3/4" = 1'-0"



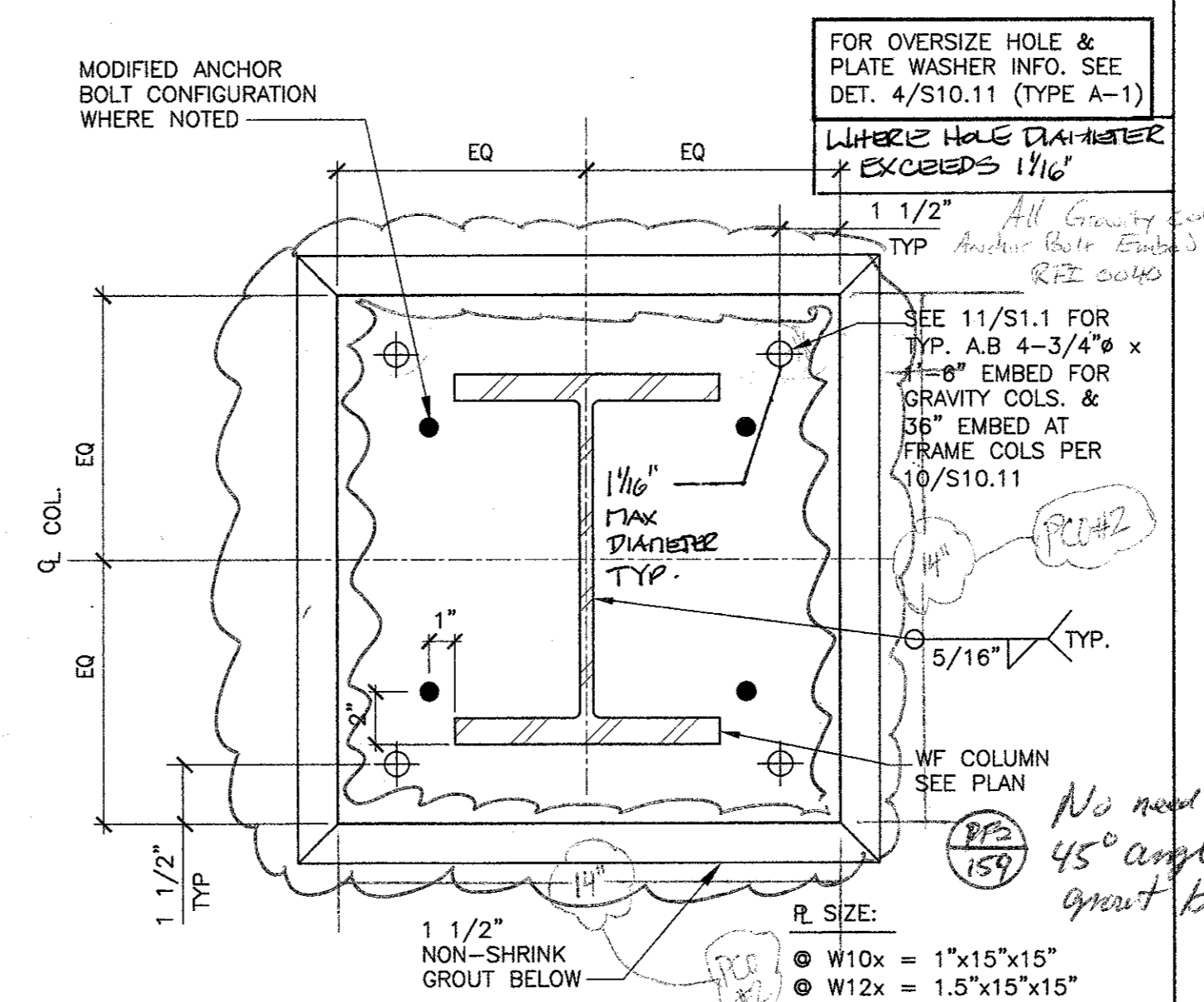
12 SECTION @ SUMP PIT
SCALE: 3/4" = 1'-0"



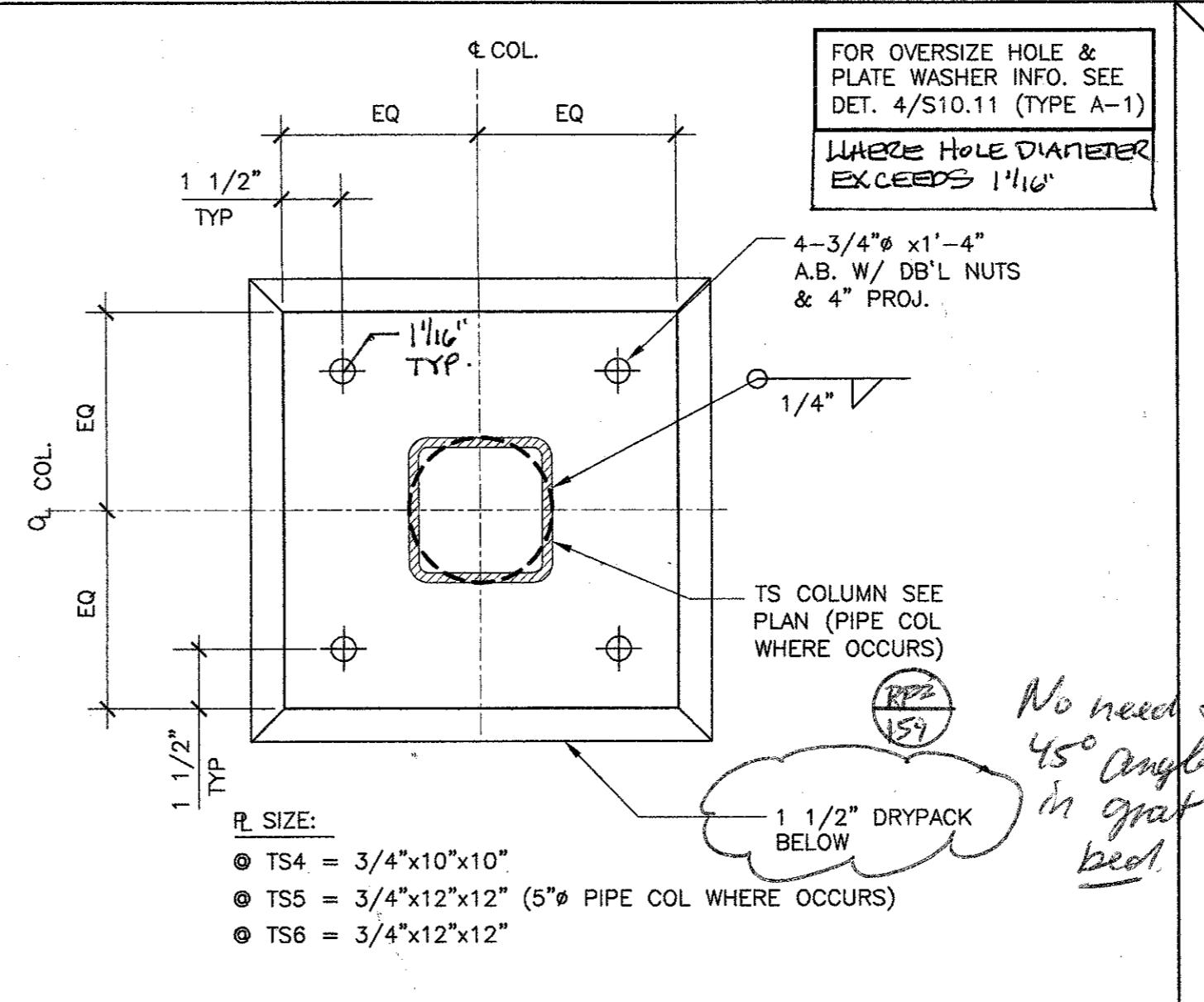
5 DETAIL
SCALE: 3/4" = 1'-0"



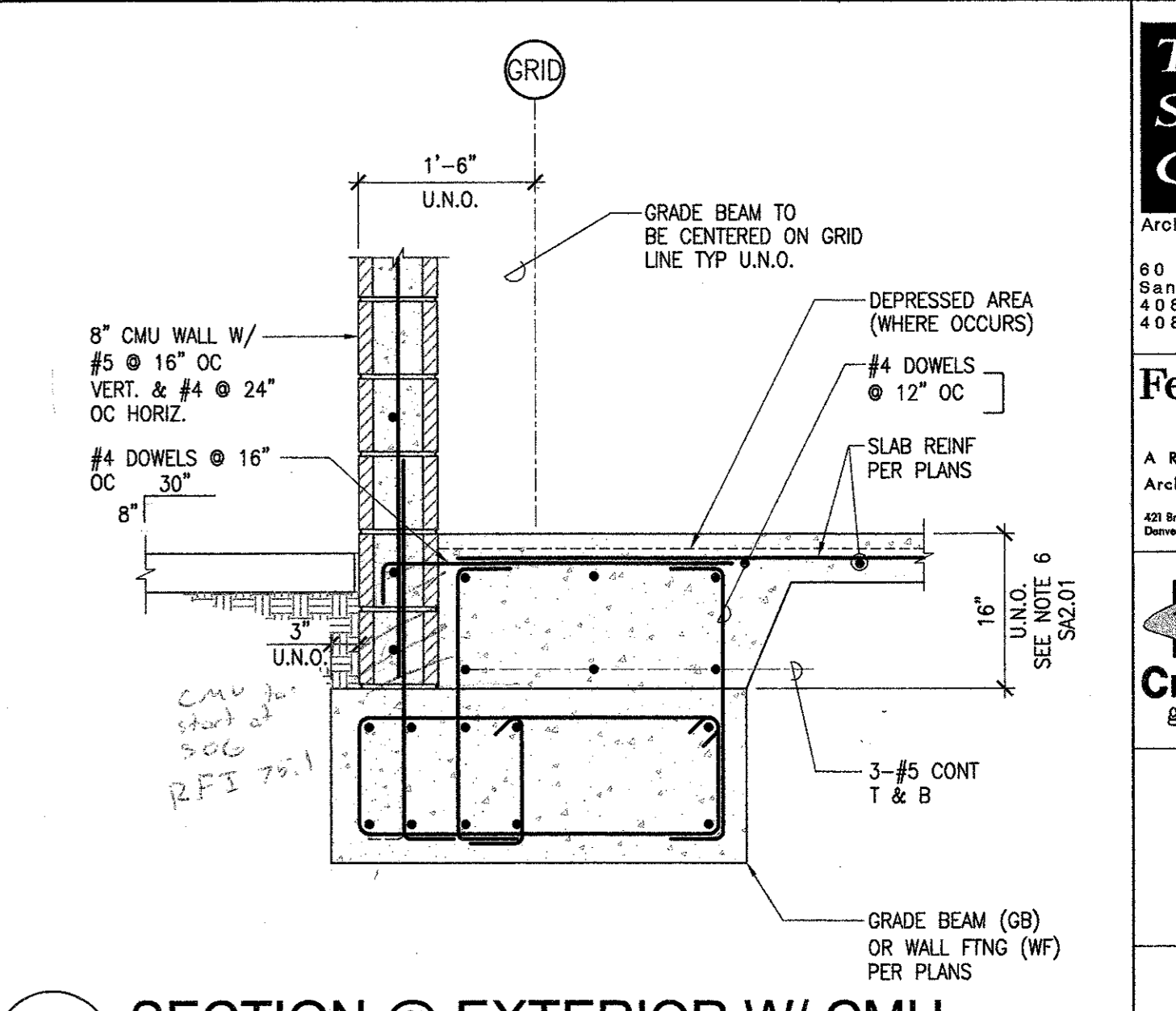
6 SECTION AT WF COLUMN
N.T.S.



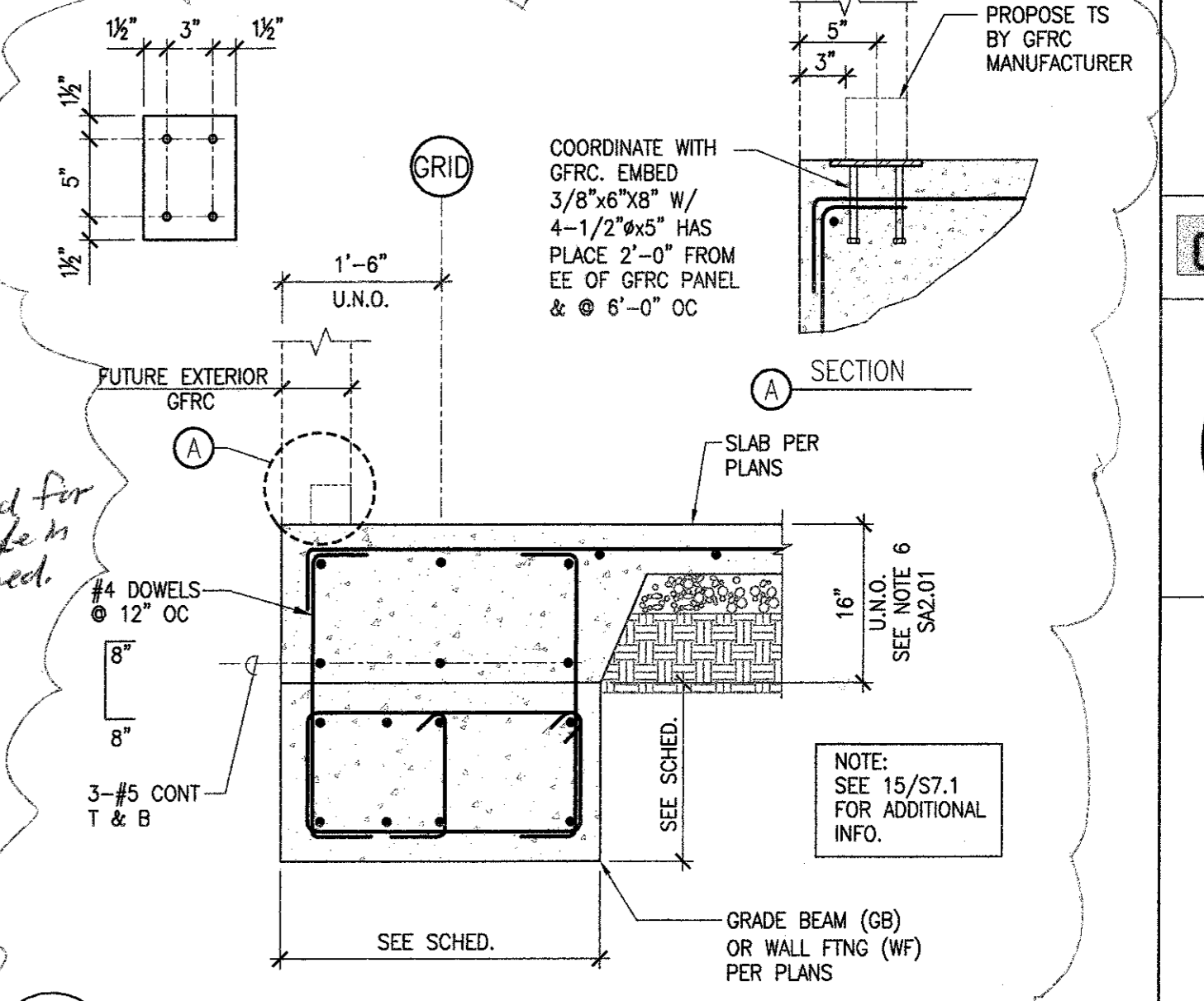
7 BASE PLATE DETAIL
SCALE: N.T.S.



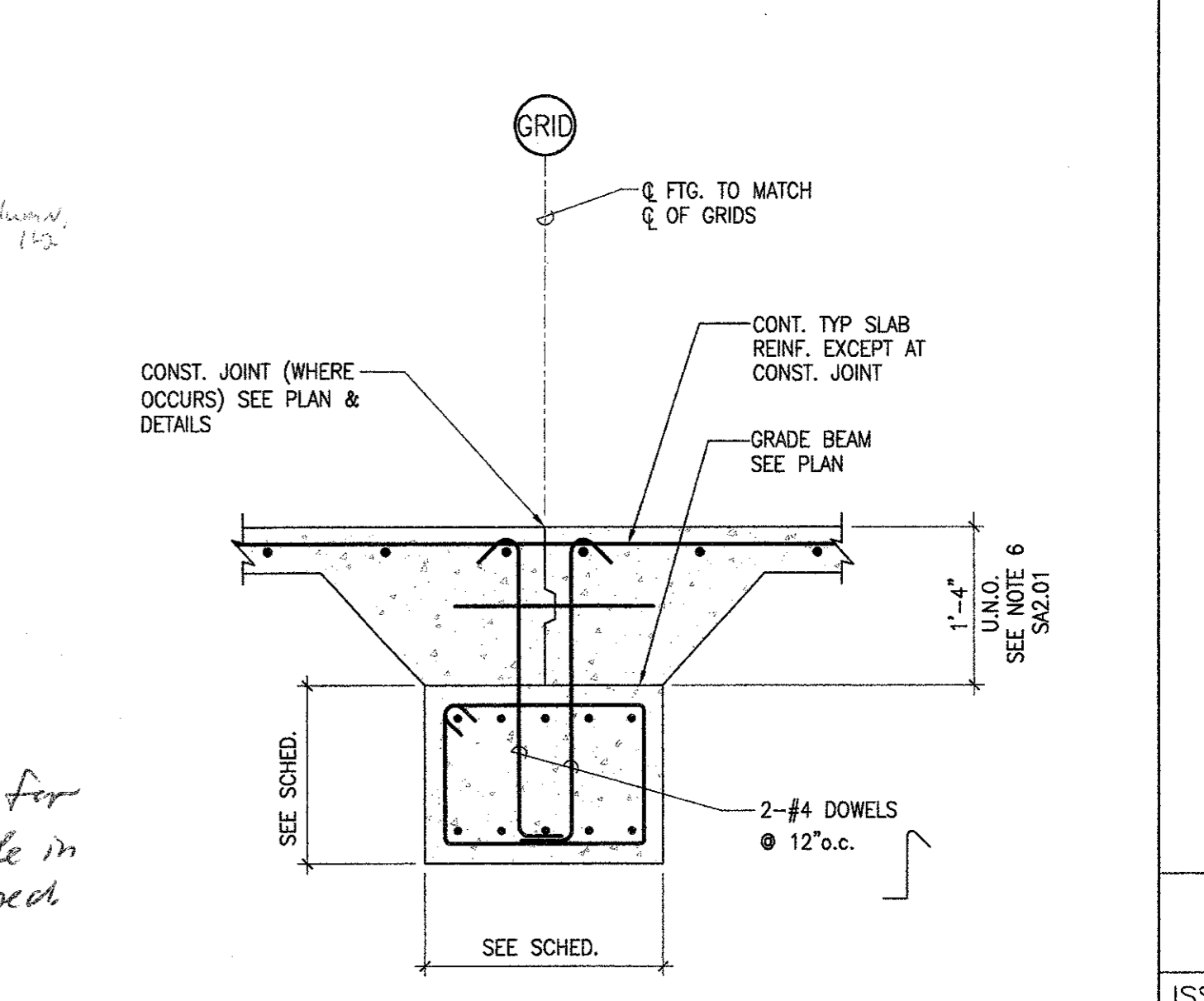
8 BASE PLATE DETAIL
SCALE: N.T.S.



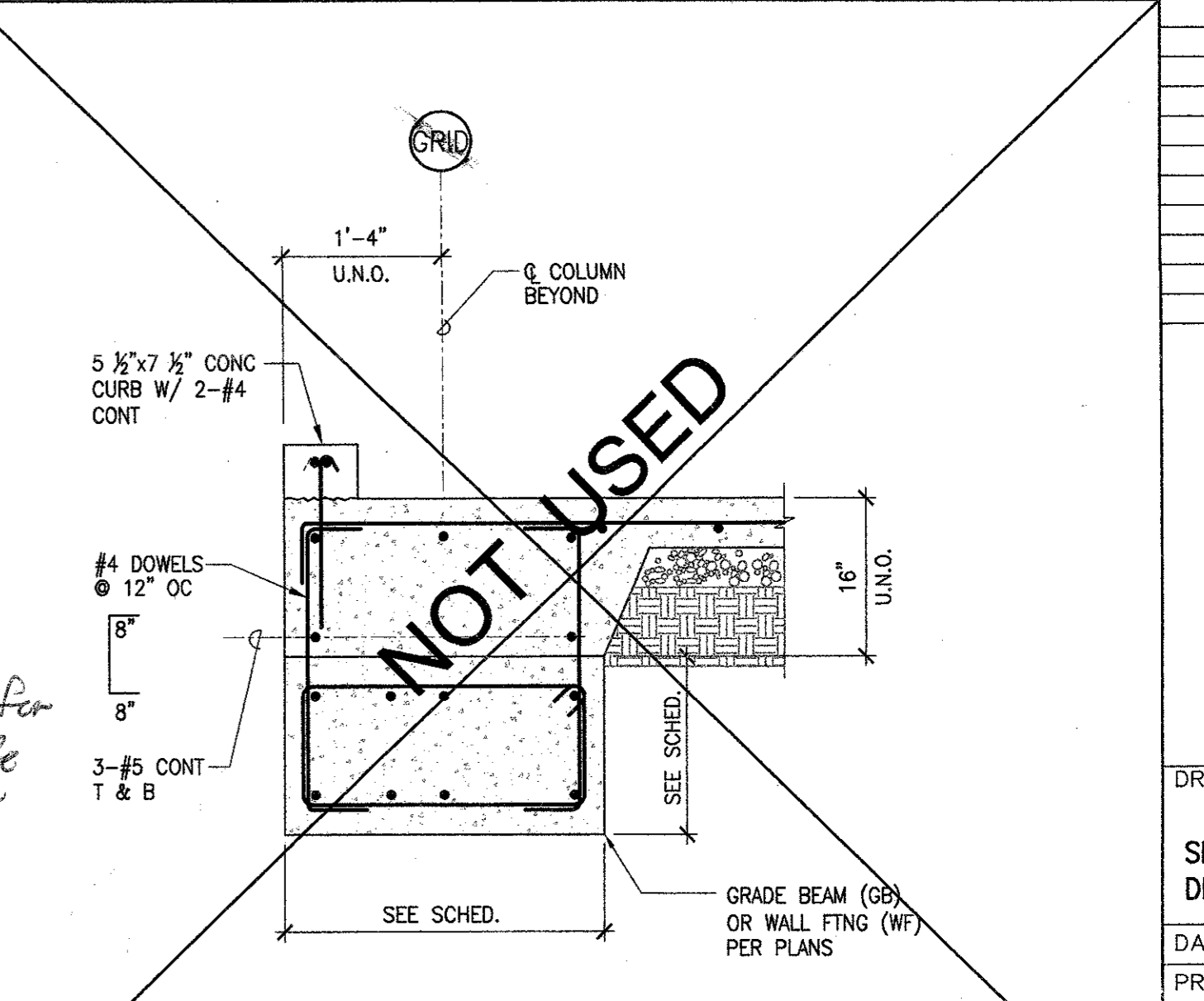
1 SECTION @ EXTERIOR W/ CMU
SCALE: 3/4" = 1'-0"



2 SECTION @ EXTERIOR
SCALE: 3/4" = 1'-0"



3 SECTION @ GRADE BEAM
SCALE: 3/4" = 1'-0"



4 SECTION @ ENTRY
SCALE: 3/4" = 1'-0"

The Steinberg Group
Architecture Planning Interiors
80 Pierce Avenue
San Jose, CA 95110
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San Jose, CA 95128
Tel: (408) 255-8100
Fax: (408) 255-8100

Hensel Phelps Construction Co.
PROFESSIONAL ENGINEER
No. 54377
4/30/05
STRUCTURAL
STATE OF CALIFORNIA

SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE
SECTIONS AND DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER
S8.1.1



Project: Skyline College	Room: 1-212-100
Designation: EPE # 111	Date: 12/14/2005
	By: TVG/cl
	Doc: 1/2

CORNER OF GRIDLINE S/A & S/D:

THIS CALCULATION IS TO CHECK SHEAR TRANSFER FROM STEEL FRAME COLUMNS & THEIR CONCRETE PILASTERS TO THE CONCRETE SHEAR WALLS ALONG LINE S/A & OR LINE S/D (AS APPLICABLE) THAT HAVE CAPACITY TO ACCOMMODATE THE DESIGN LOADS.

DESIGN LOADS: (REF INC #1 STRUCT. CALC. SHEET A&B) PAGE 8492

COLUMN ON LINE A/S : NODE # 127

$P_{DEAD} = 127.2^k$
 $P_{EL} = 118.4^k$

COLUMN ON LINE D/S : NODE # 137

$P_{DEAD} = 110.2^k$
 $P_{EL} = 113.2^k$ } INCLUDES 3/4% ORTHOGONAL LOADS

NOTE: IT IS CHECKED THAT NET UPLIFT IS OK PER CALC. SHEET A&B & A&C.

GRAVITY LOADS FOR UPLIFT & LIVE LOADS CAN BE CARRIED BY STEEL COL. TO FOUNDATIONS... OK.

DEAD LATERAL LOADS ARE CARRIED BY CONC. WALLS VIA SHEAR TRANSFER B. COL. OK.

WE ONLY NEED TO CHECK TRANSFER OF STEEL COL. UPLIFT LOADS TO CONC. WALLS.



Project: Skyline College	Room: 1-212-100
Designation: EPE # 111	Date: 12/14/2005
	By: TVG/cl
	Doc: 2/2

MAX DEMAND FOR SHEAR FRICTION DUE TO UPLIFT

$V_u = 1.2 E_u$
 $1.2 \times 110.2 = 132.24^k$

AVAILABLE SHEAR FRICTION CAPACITY:

$V_n = 0.85 \lambda A_g \mu$
 $= 0.85 \times 24.0 \times 60 \times 1.0 \times [12 \times 1/8]$
 $= 367.2^k > 132.24^k$ OK

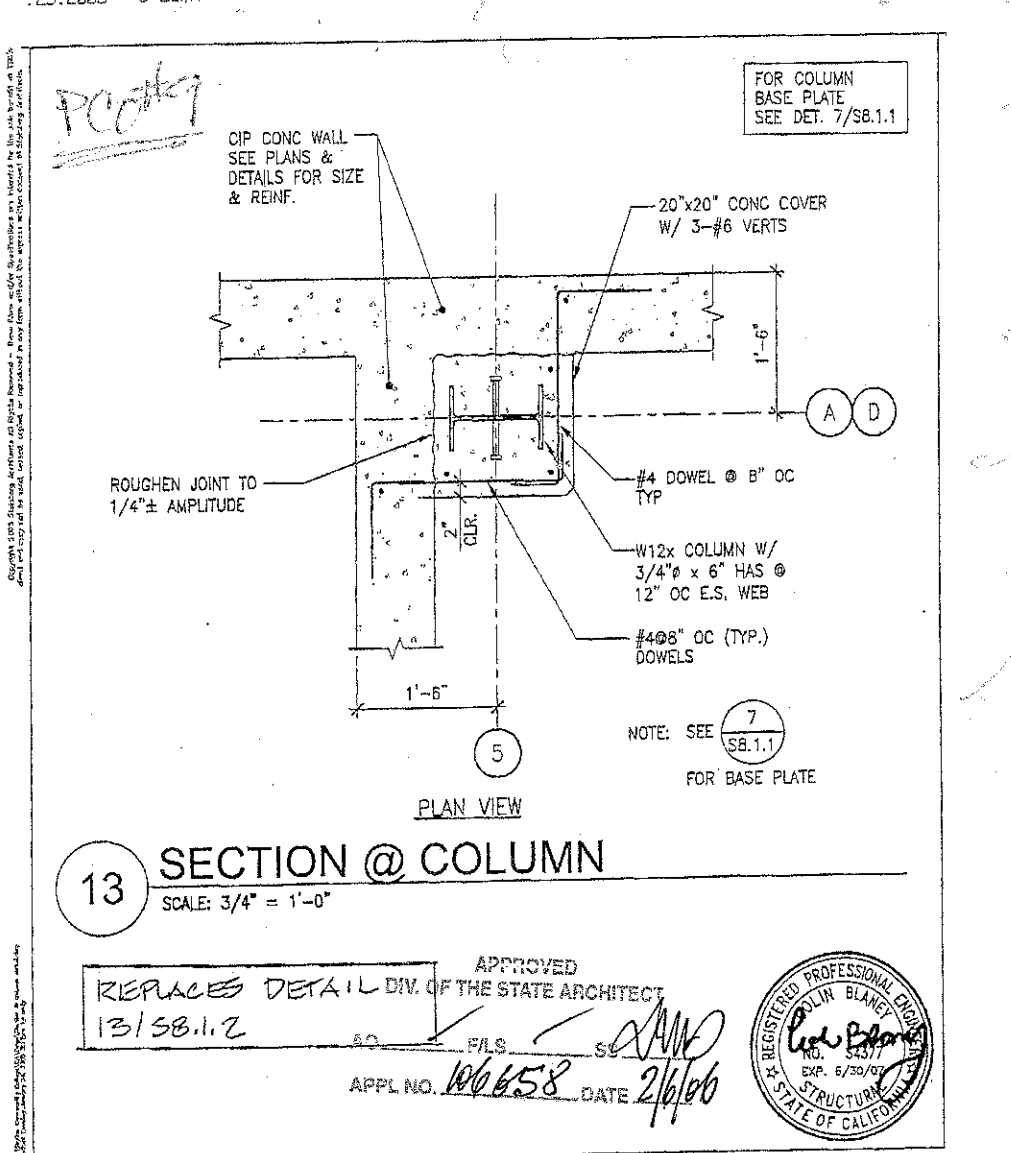
1. WE ASSUMED 4 REBARS WERE BENT 2 TIMES AS APPROVED BY DSA.

2. FIELD CONDITION SHOWS MORE THAN 1/4" AMPLITUDE FOR REINFORCED SURFACE.

3. THERE IS DISCONTINUED ANCHORAGE CAPACITY TO PLASTER CONC. FROM PARTITION BY STEEL COL STUDS & VERT. #6 ANCHORED & DEVELOPED IN CONC. FOOTINGS.

4. CALCULATED CAPACITY > 2X DEMAND (367 > 132)

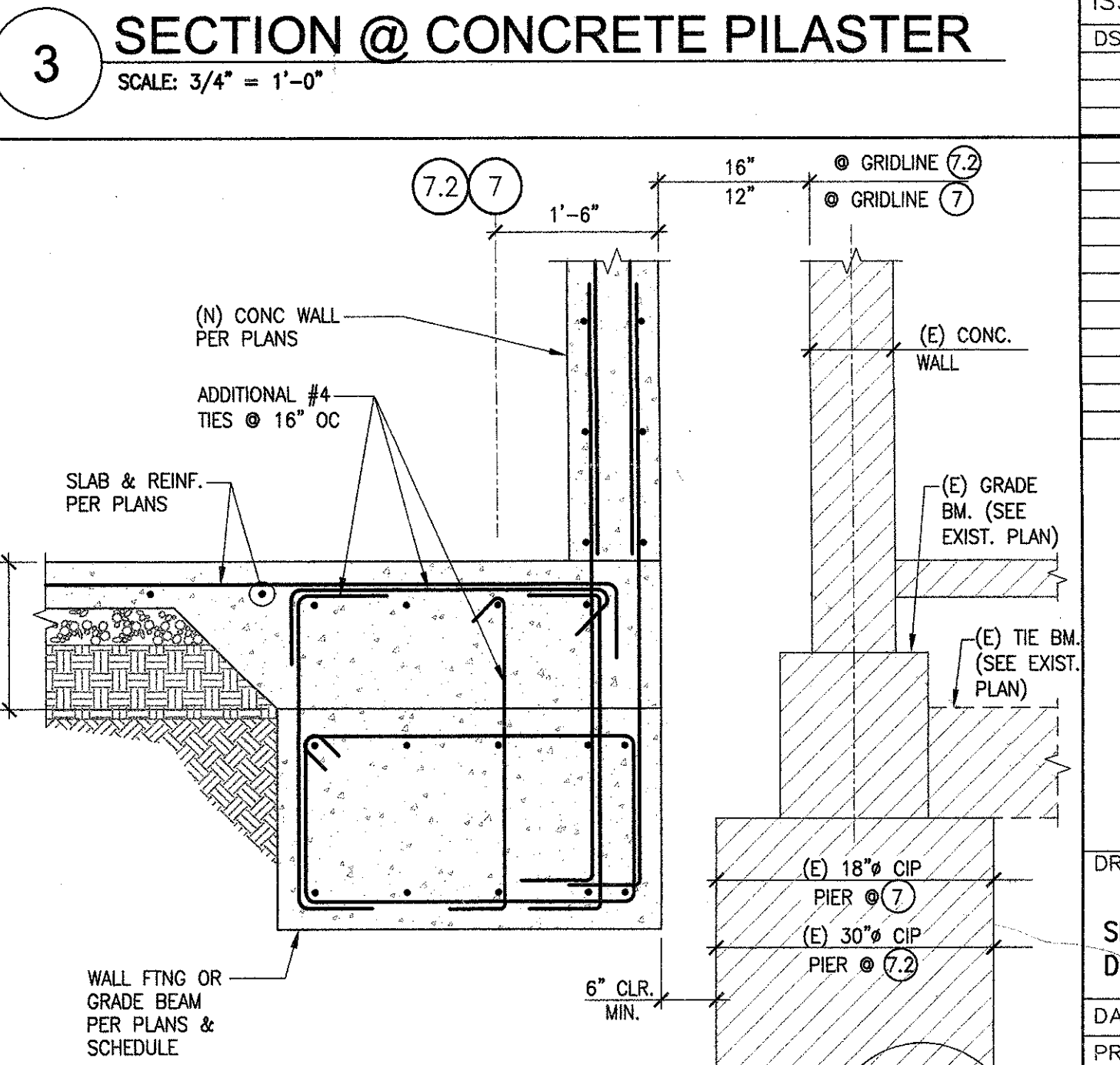
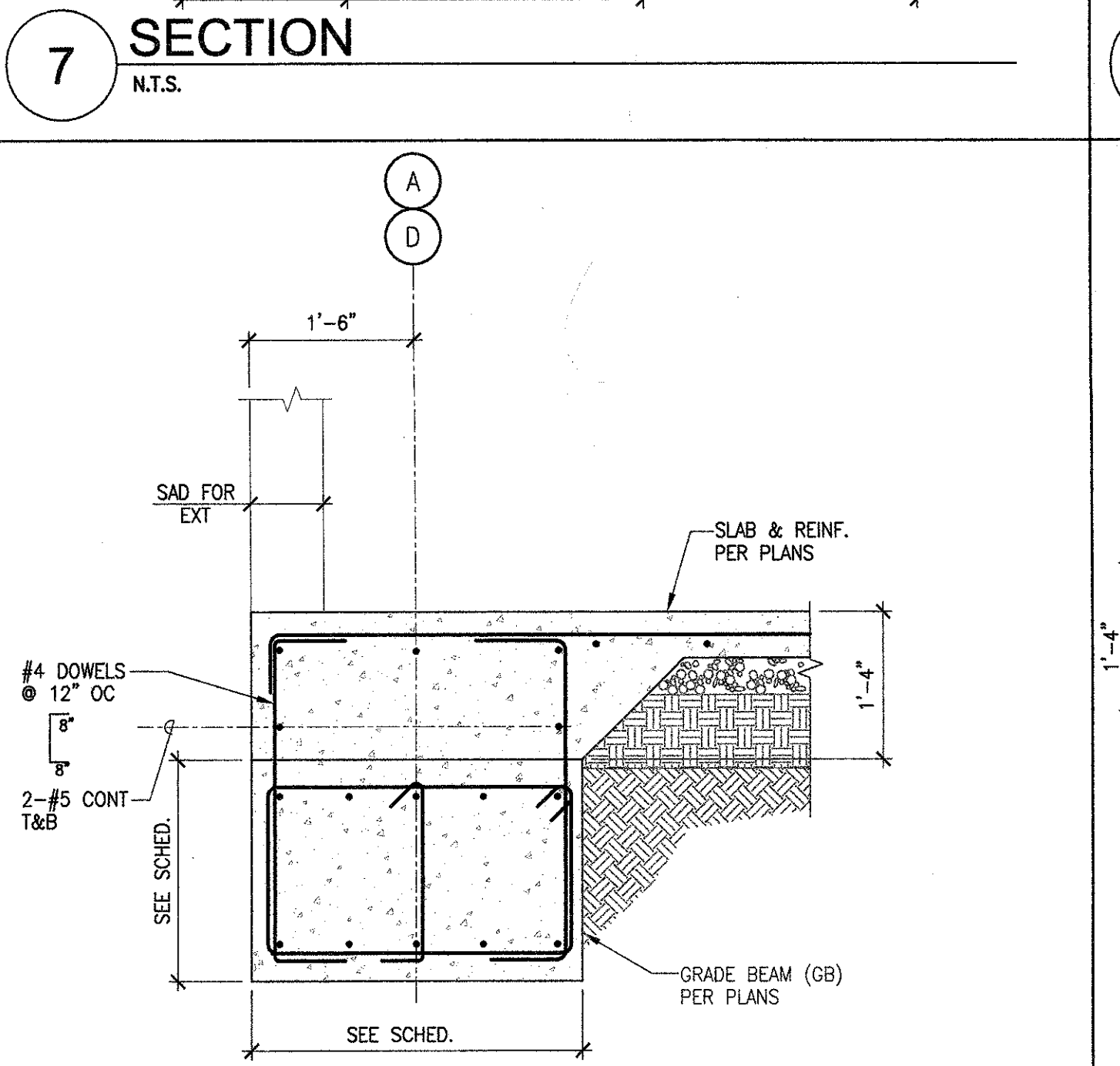
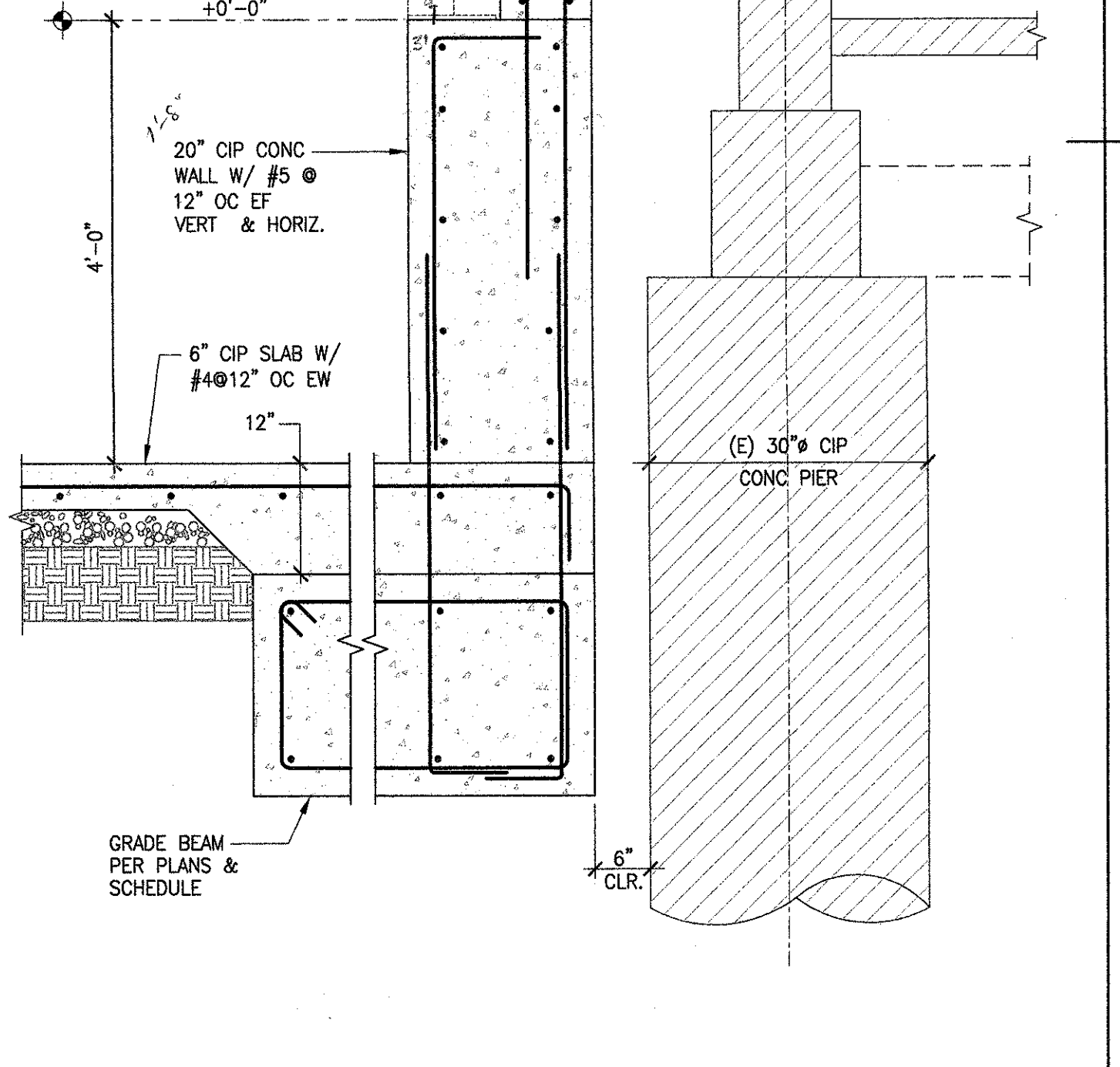
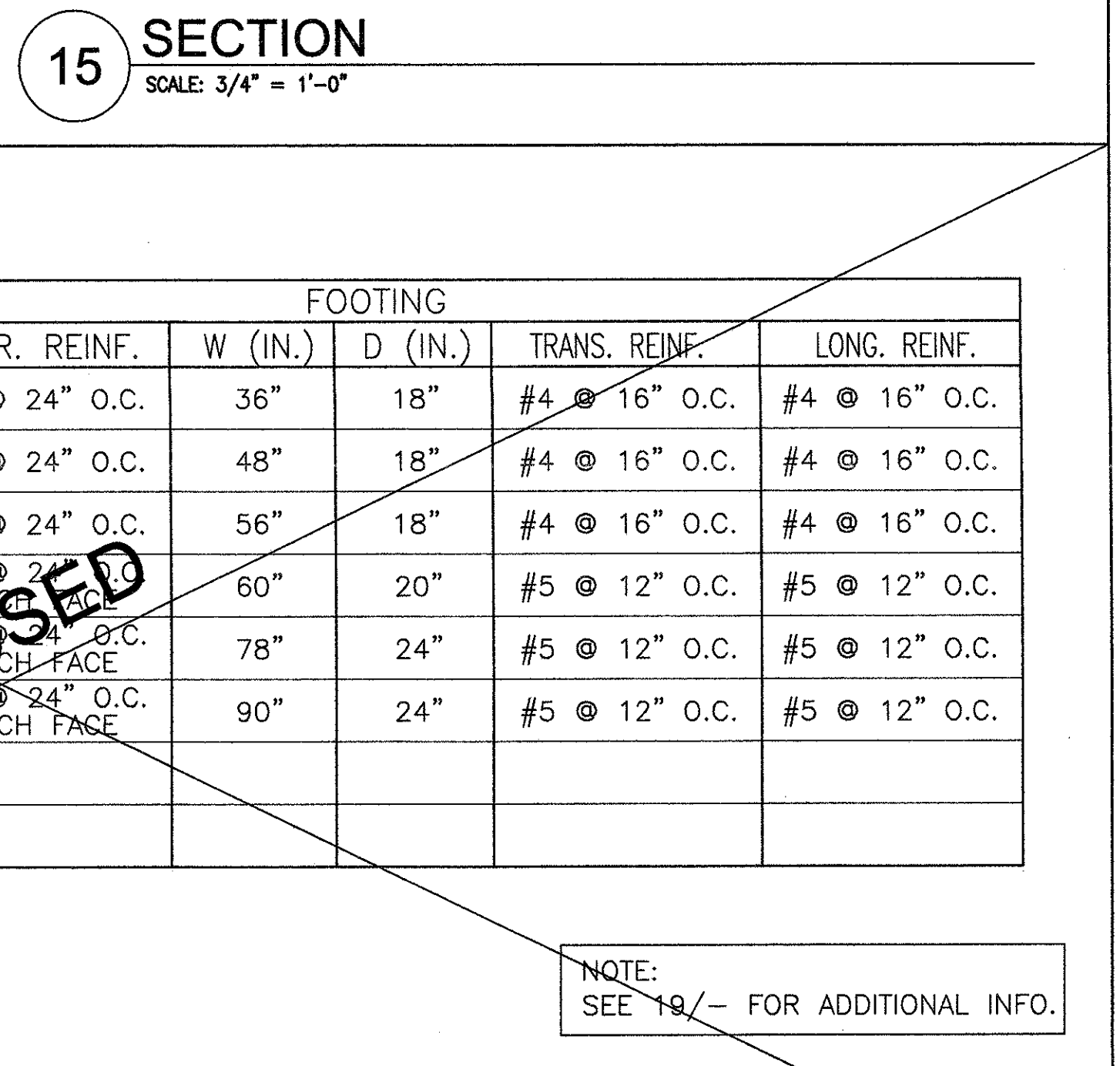
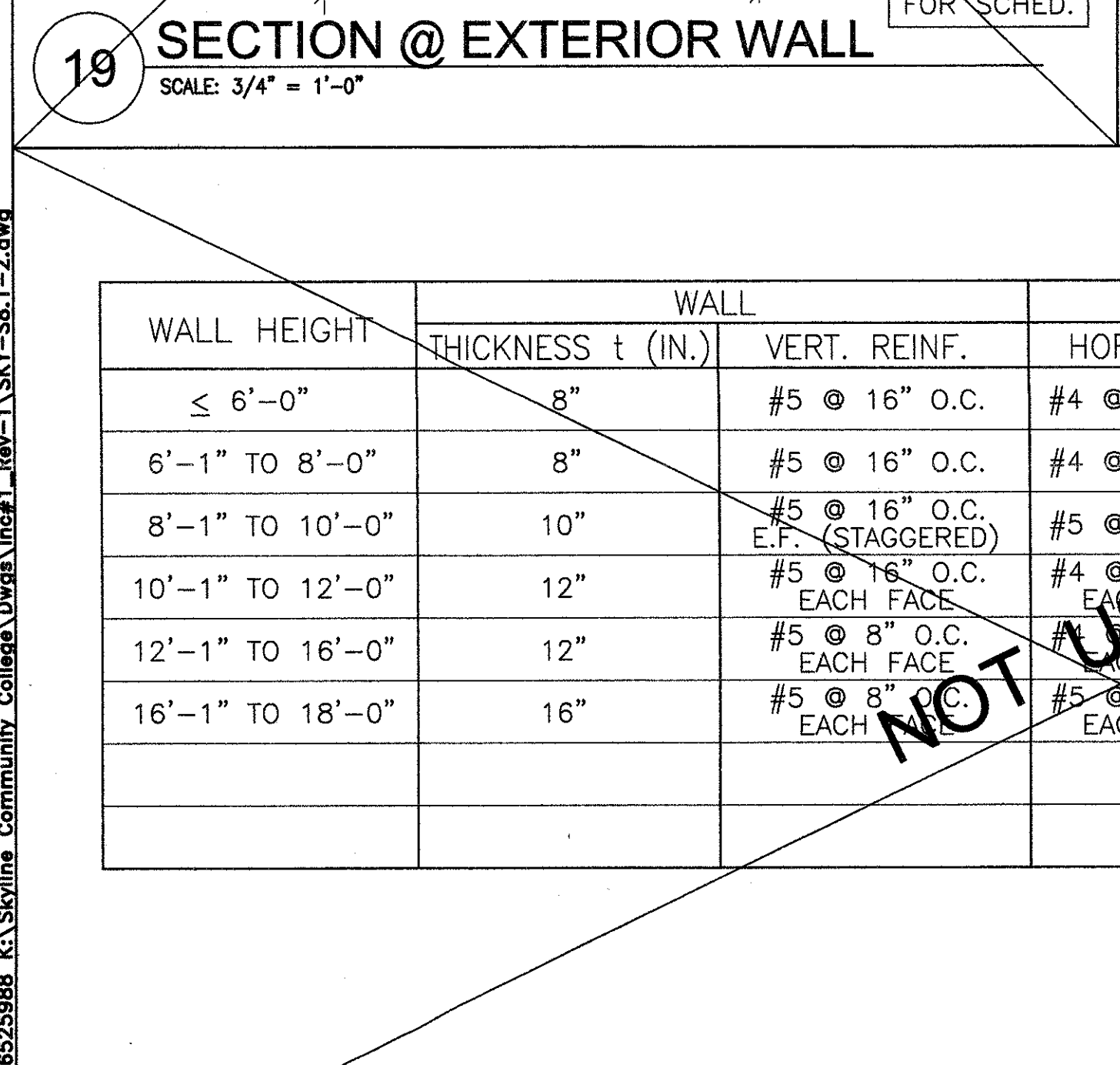
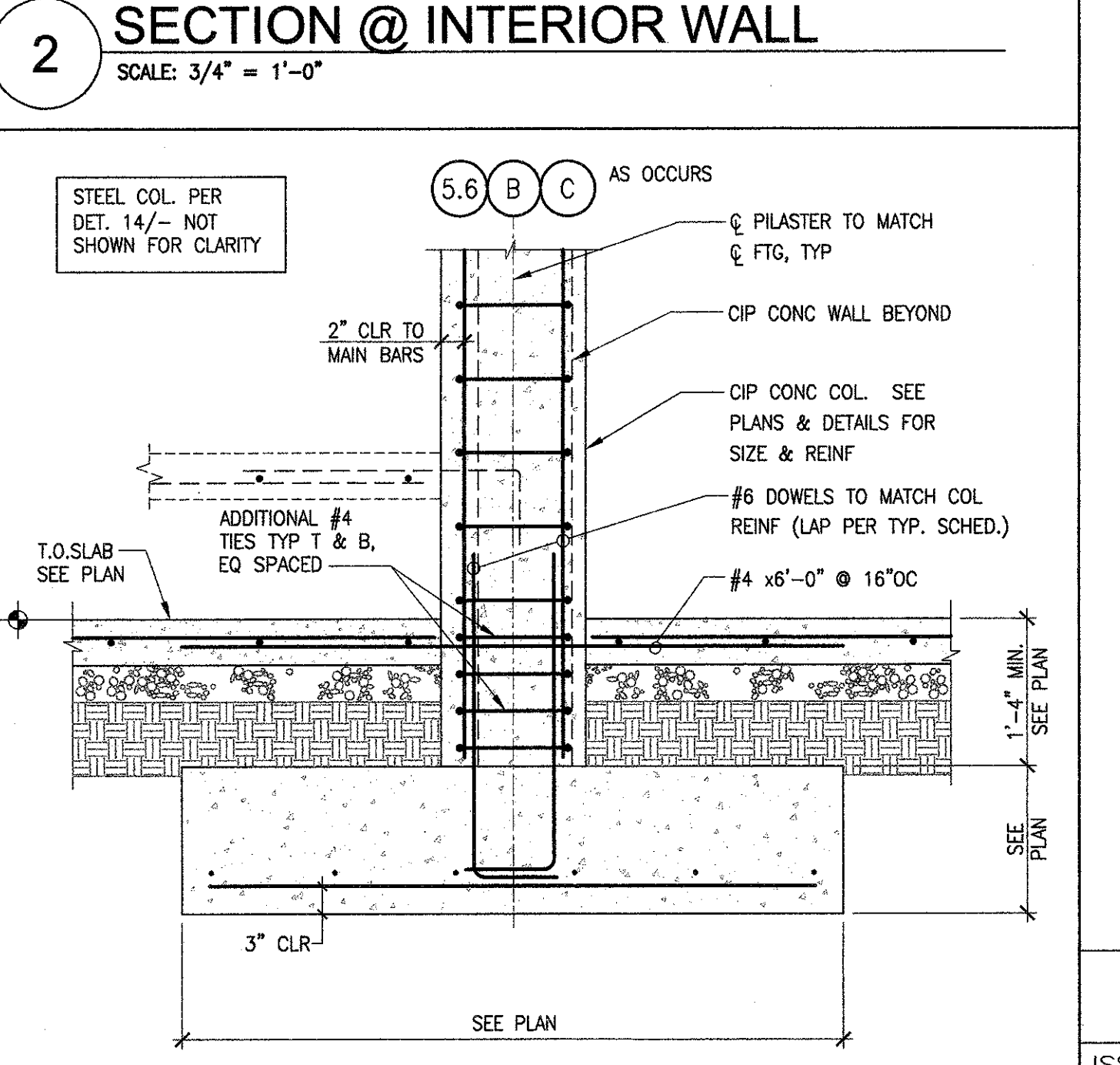
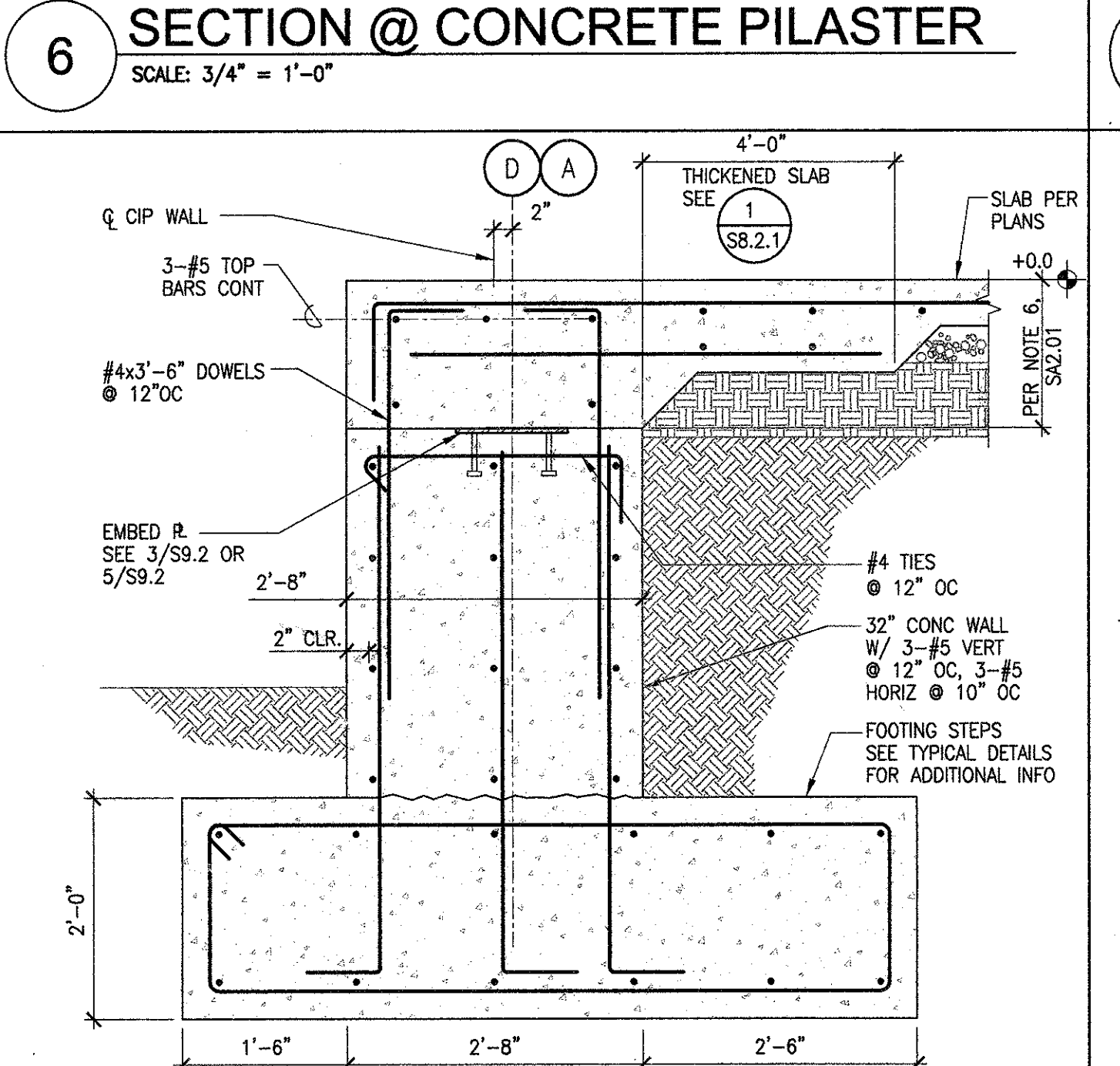
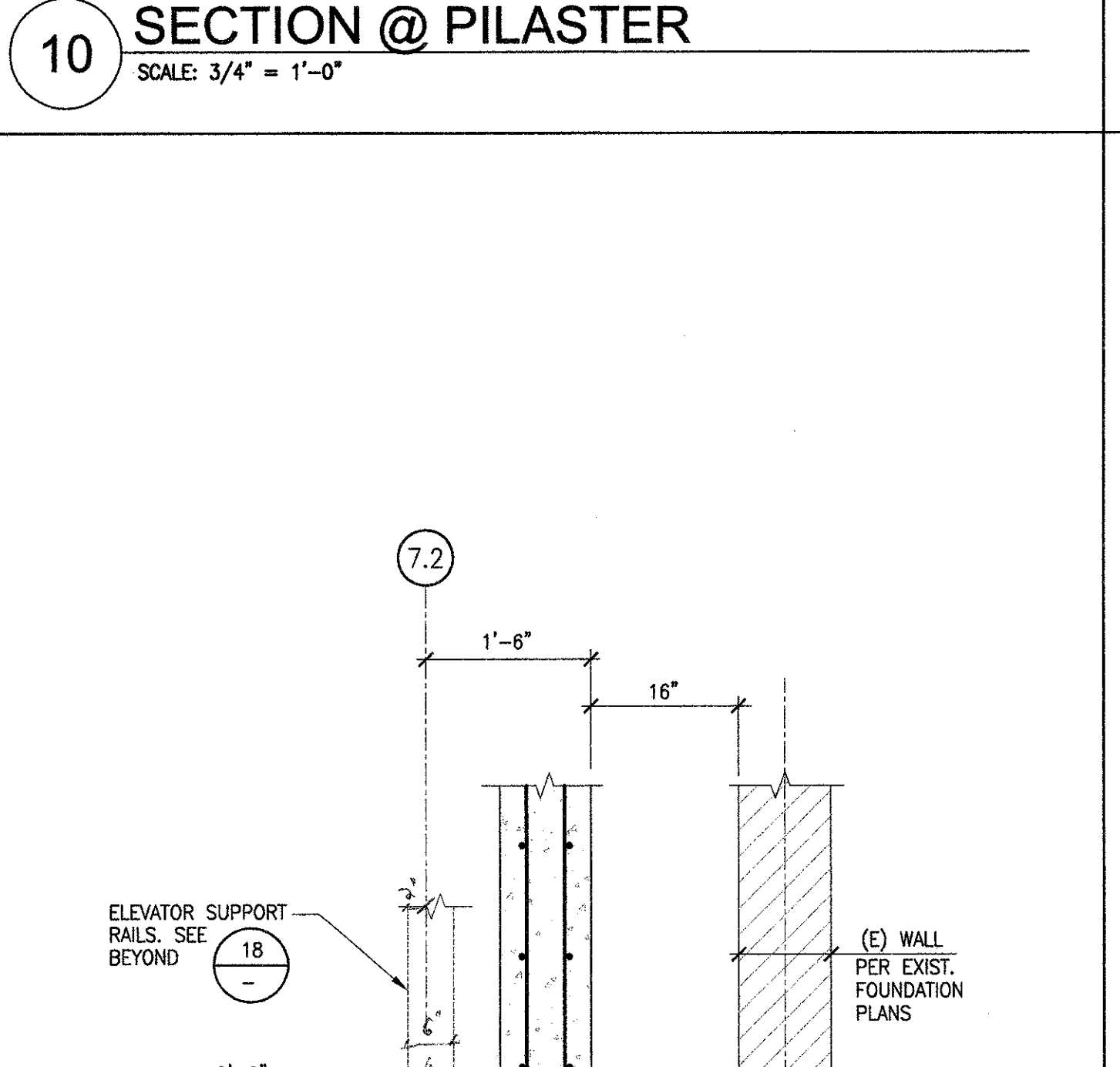
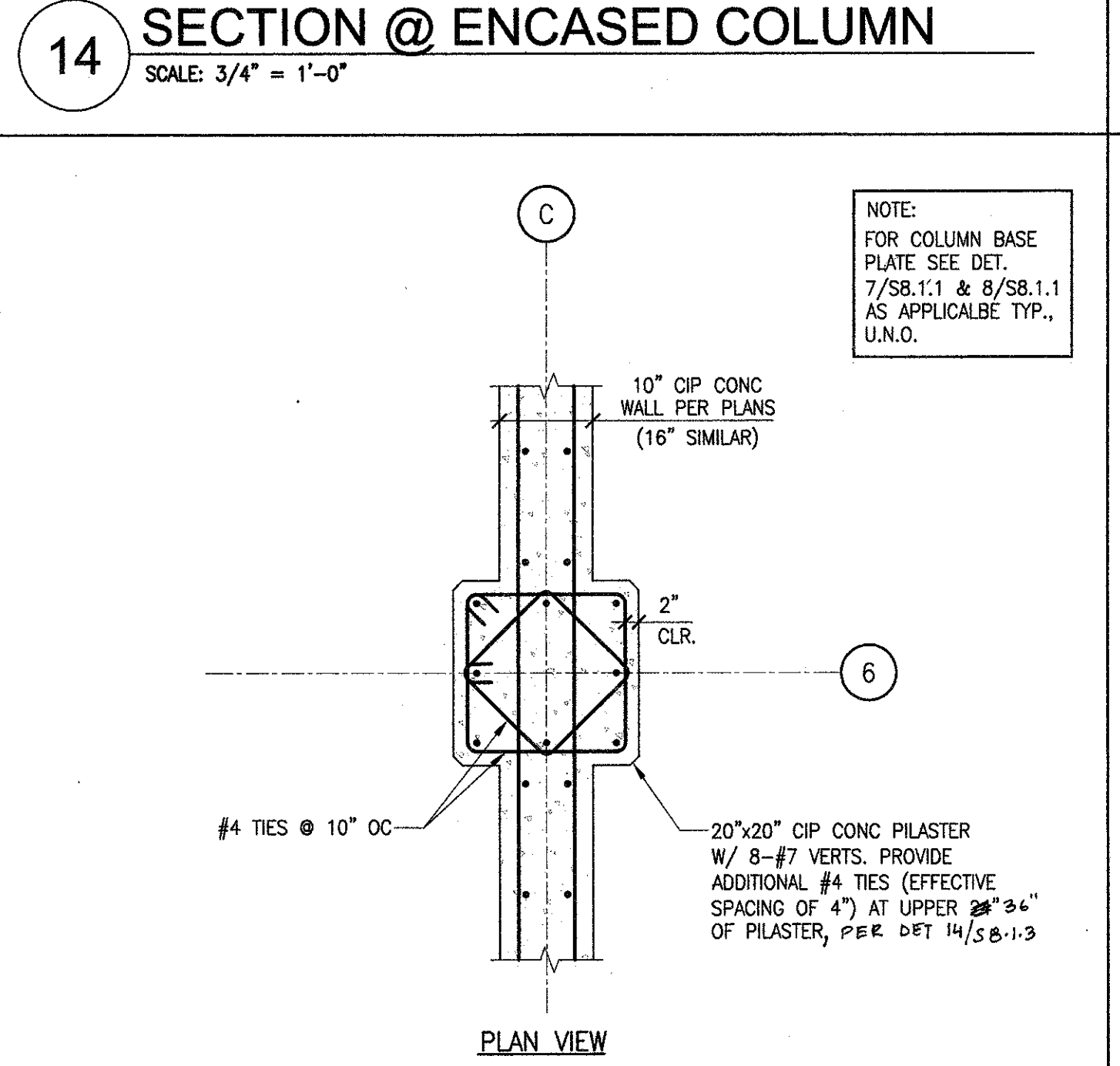
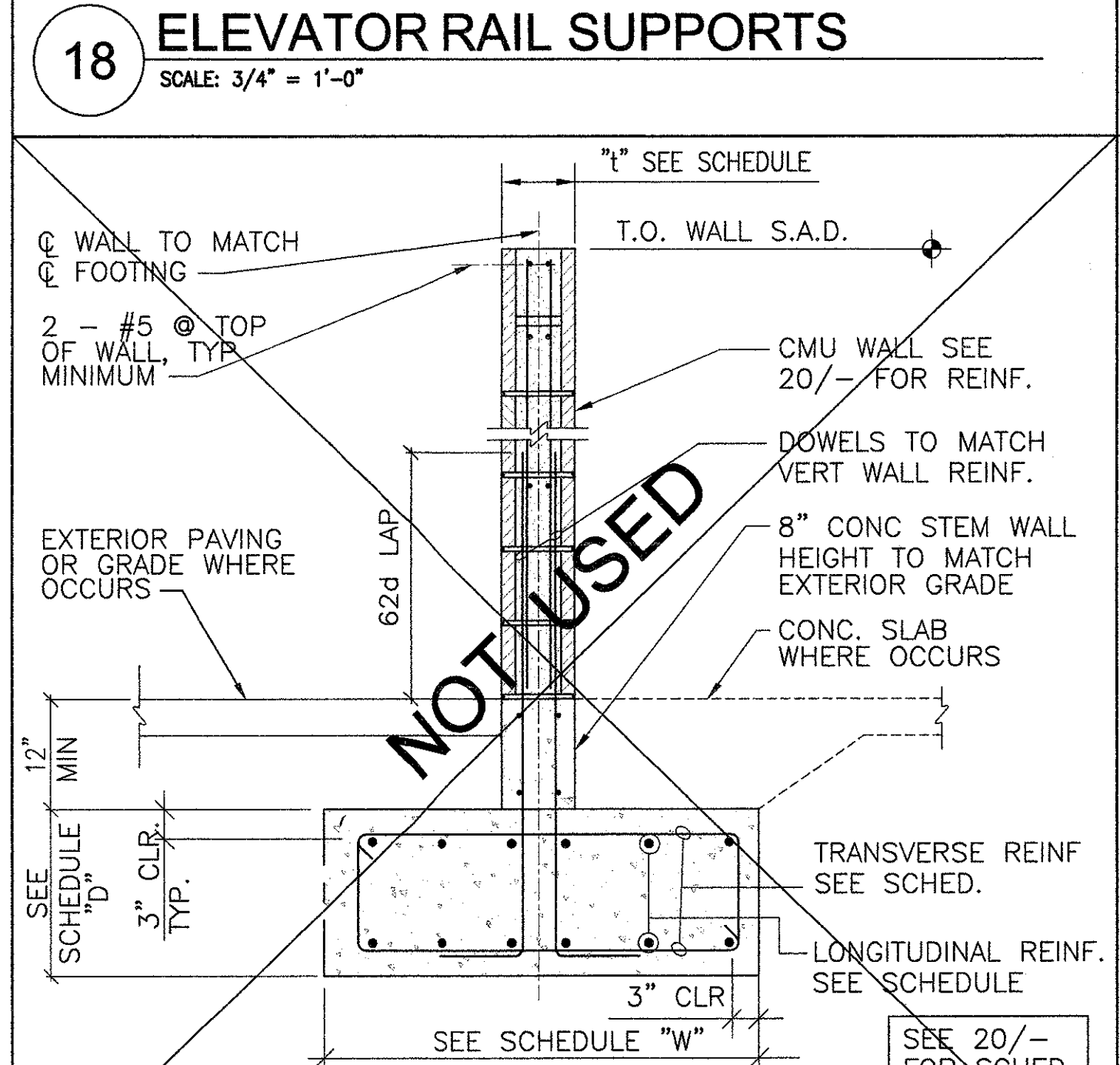
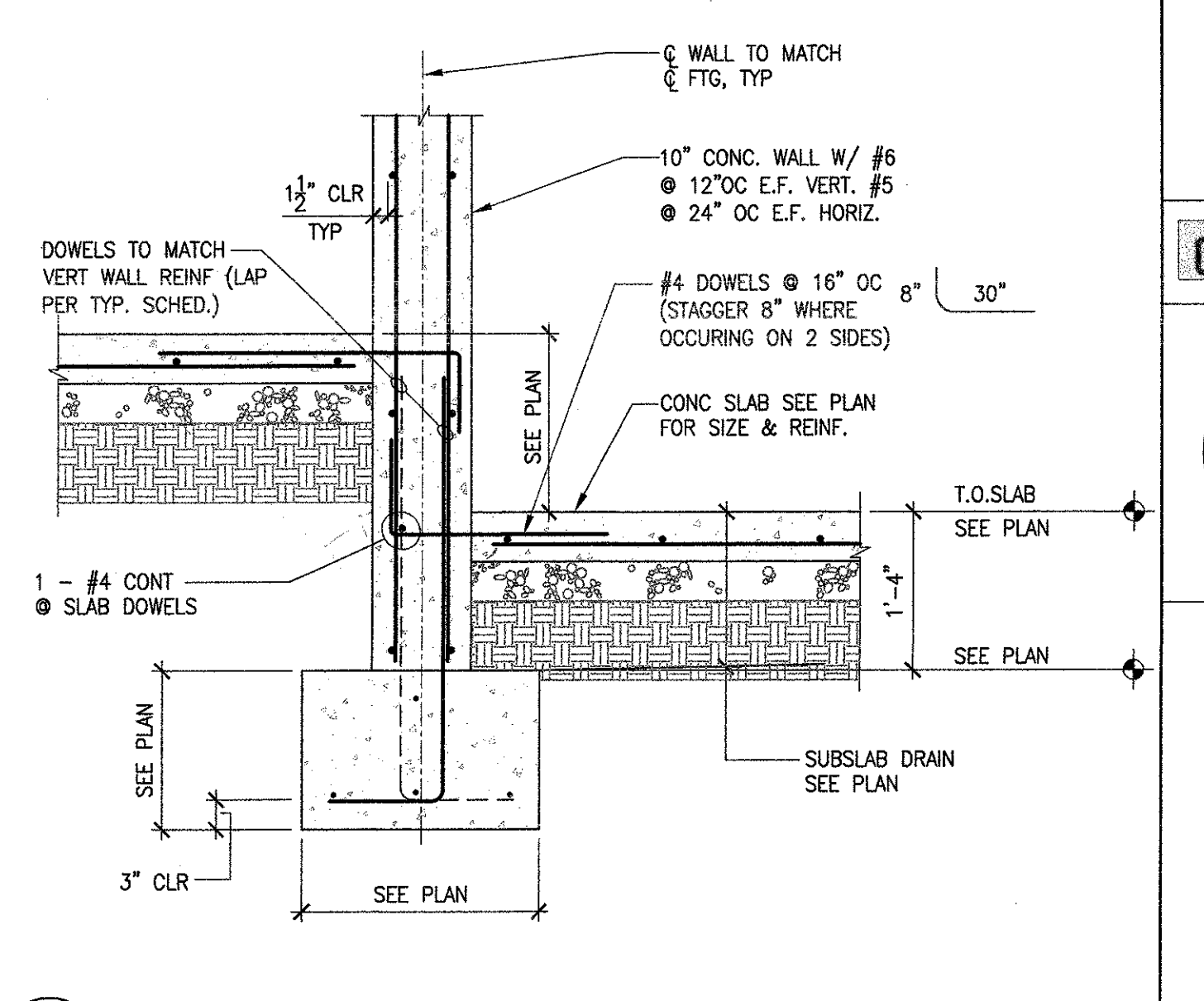
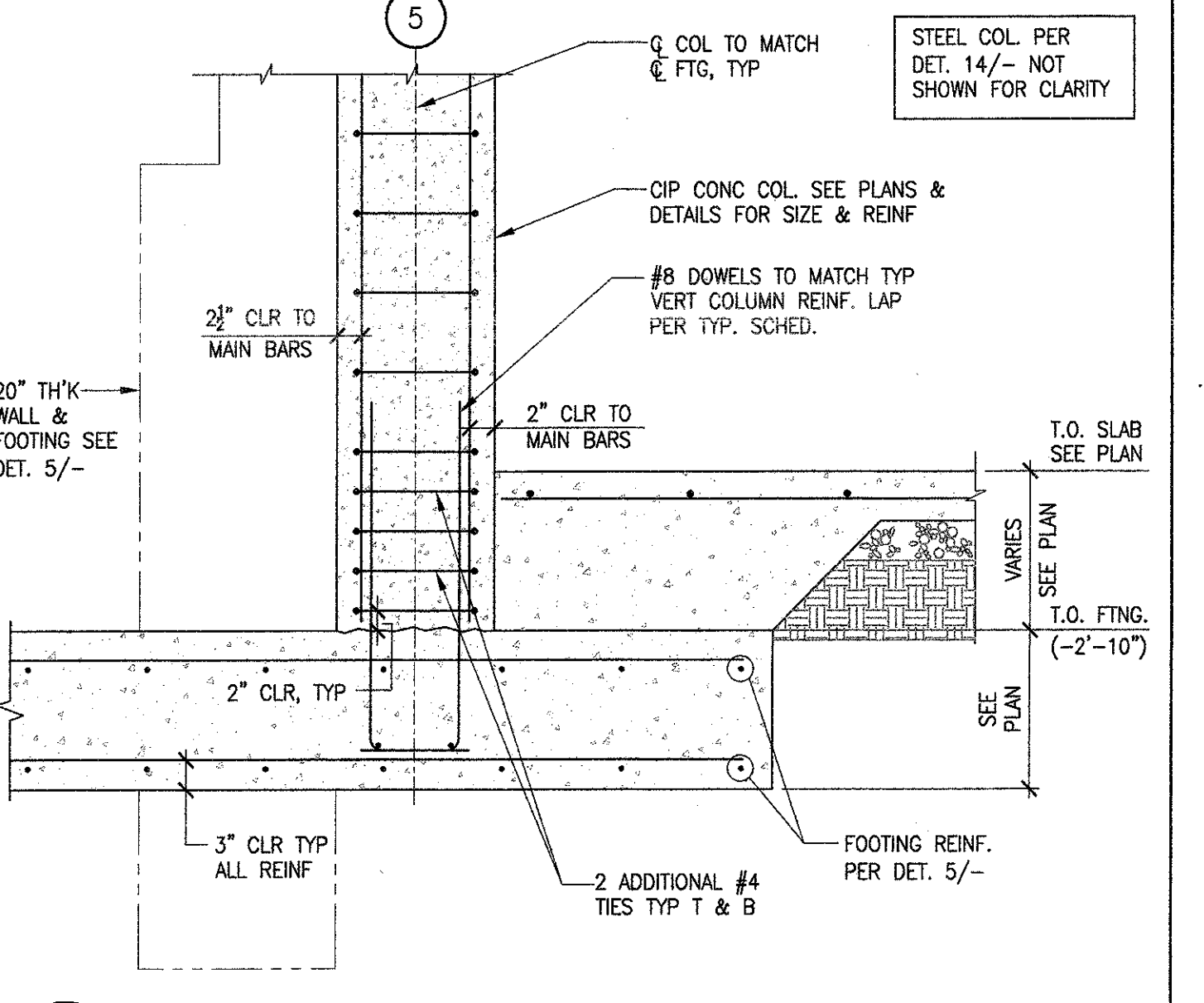
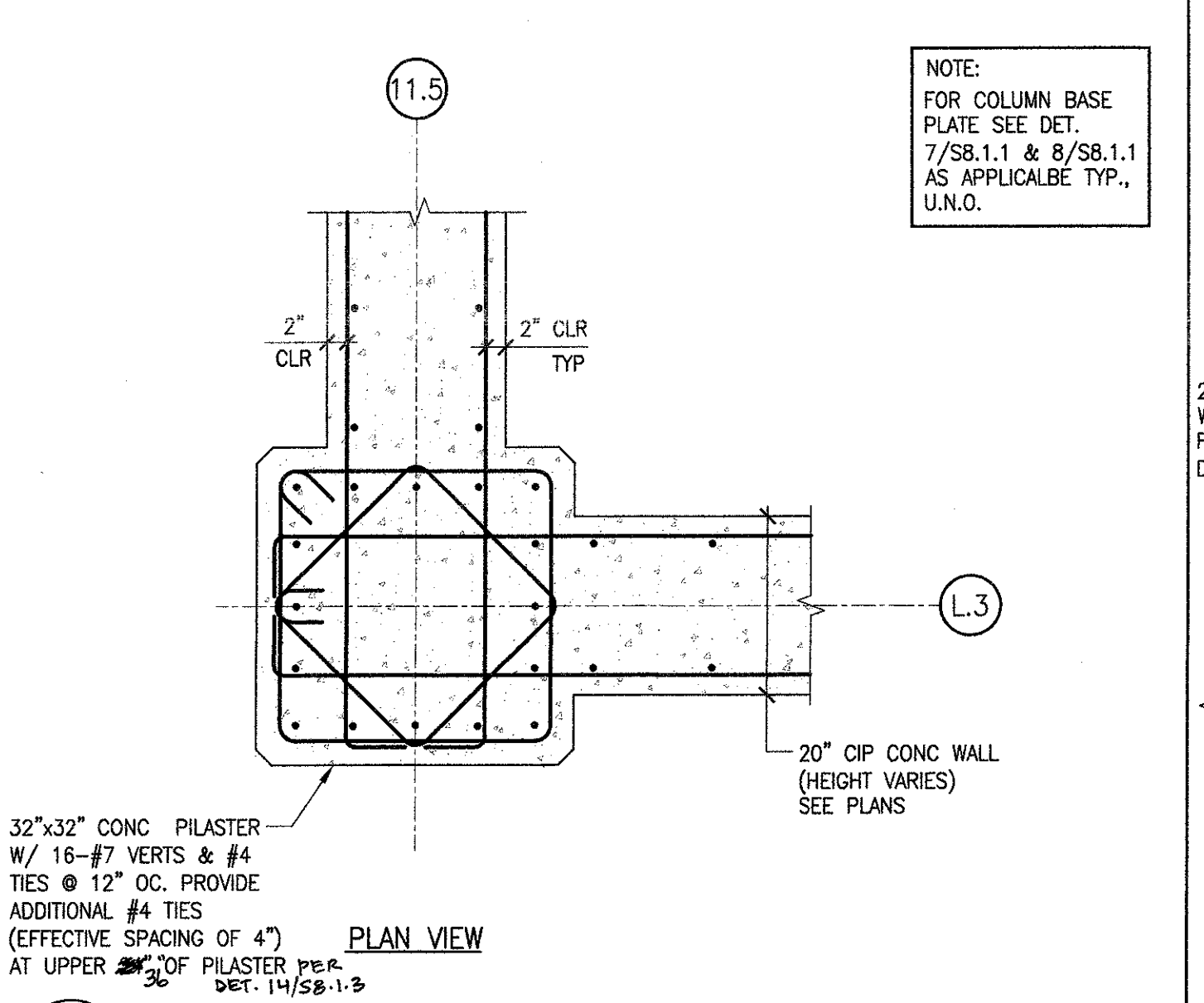
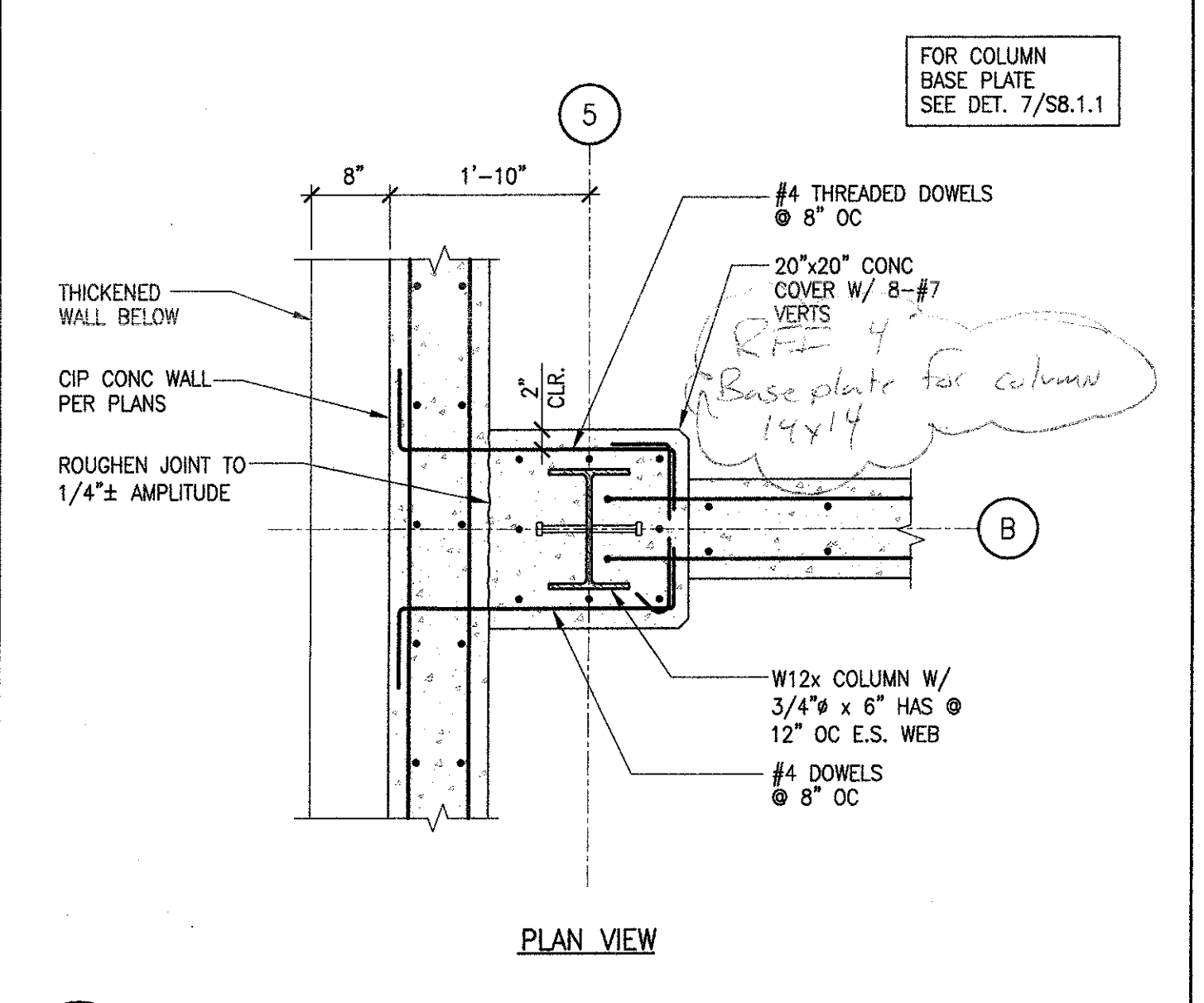
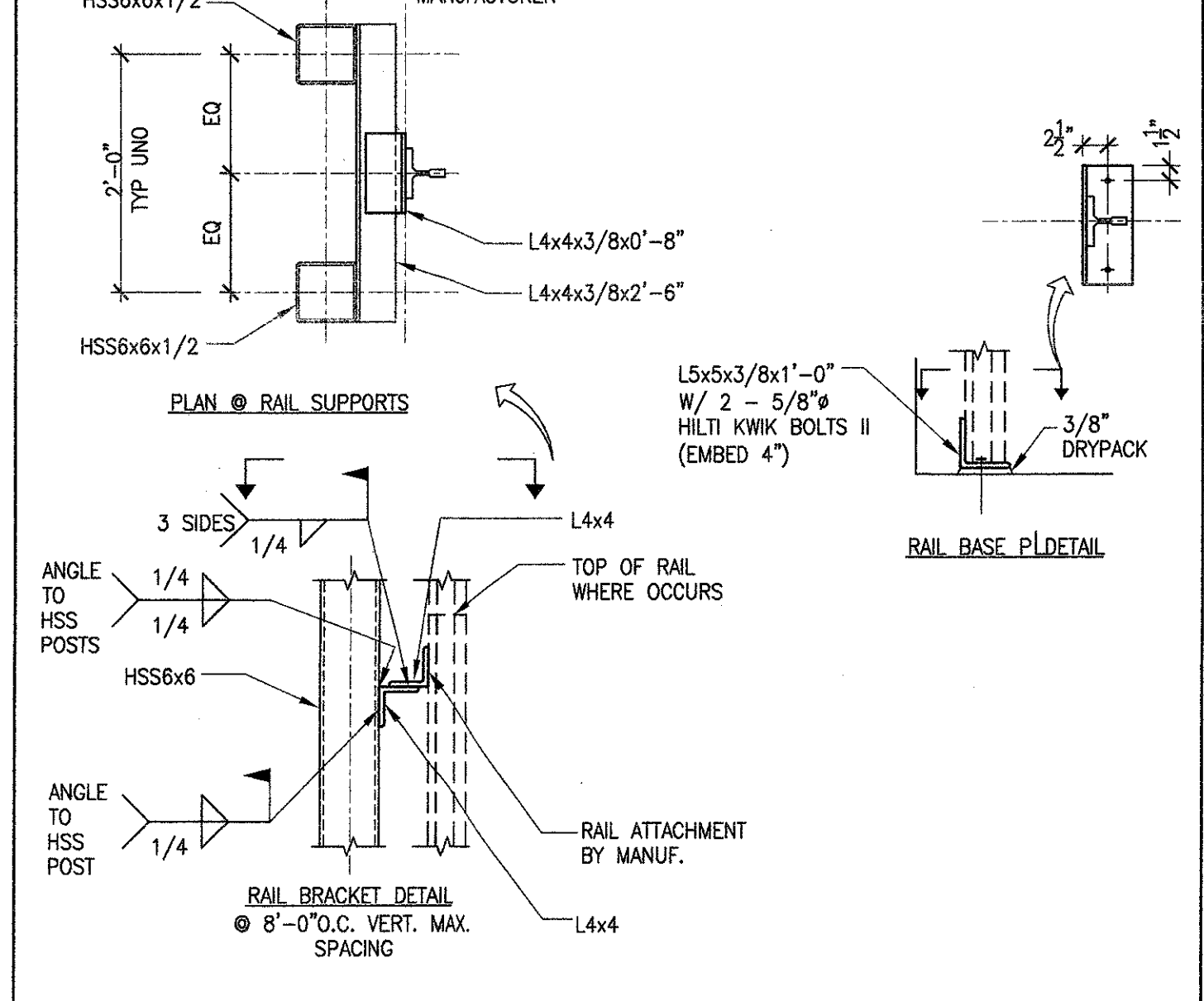
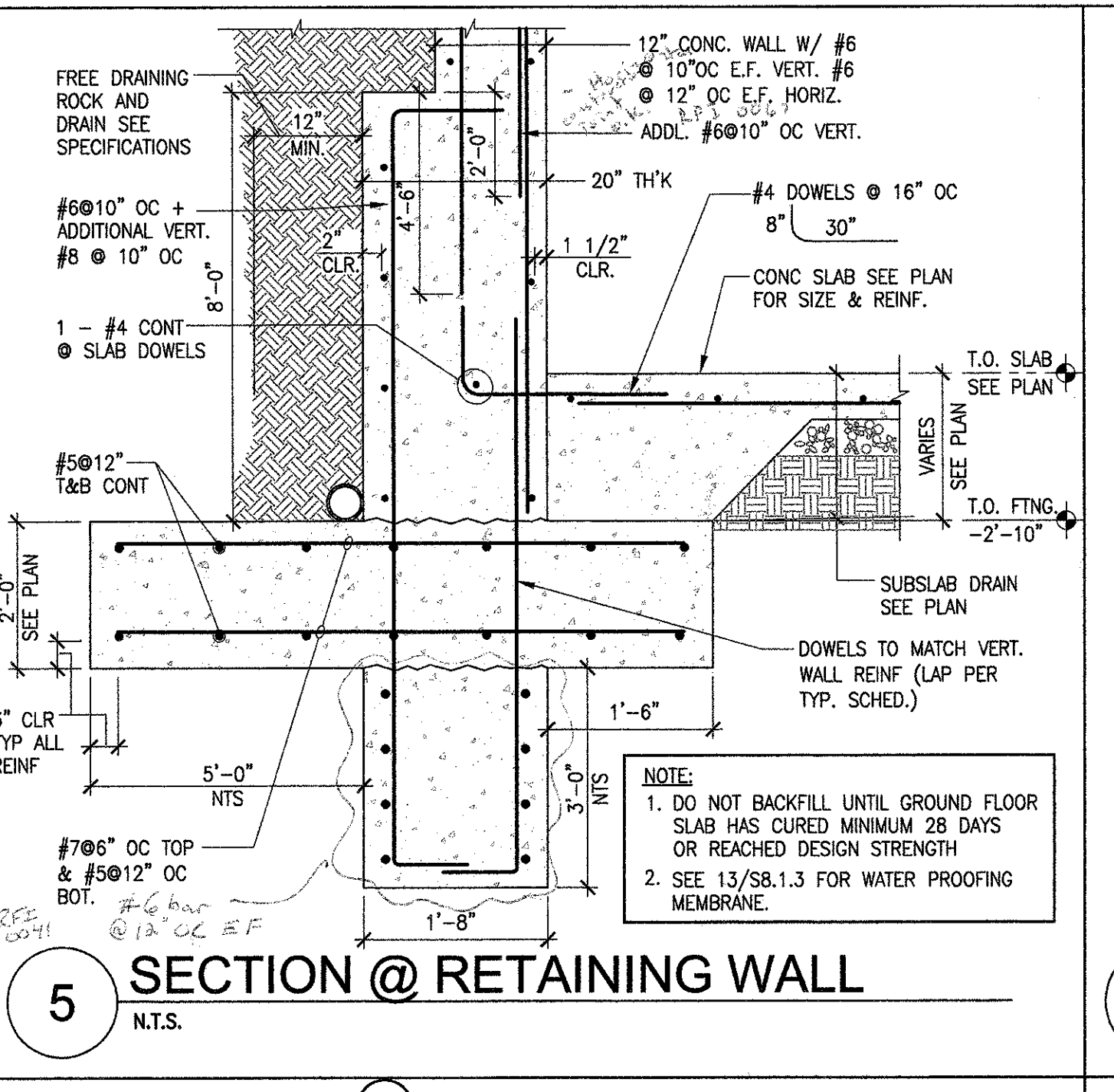
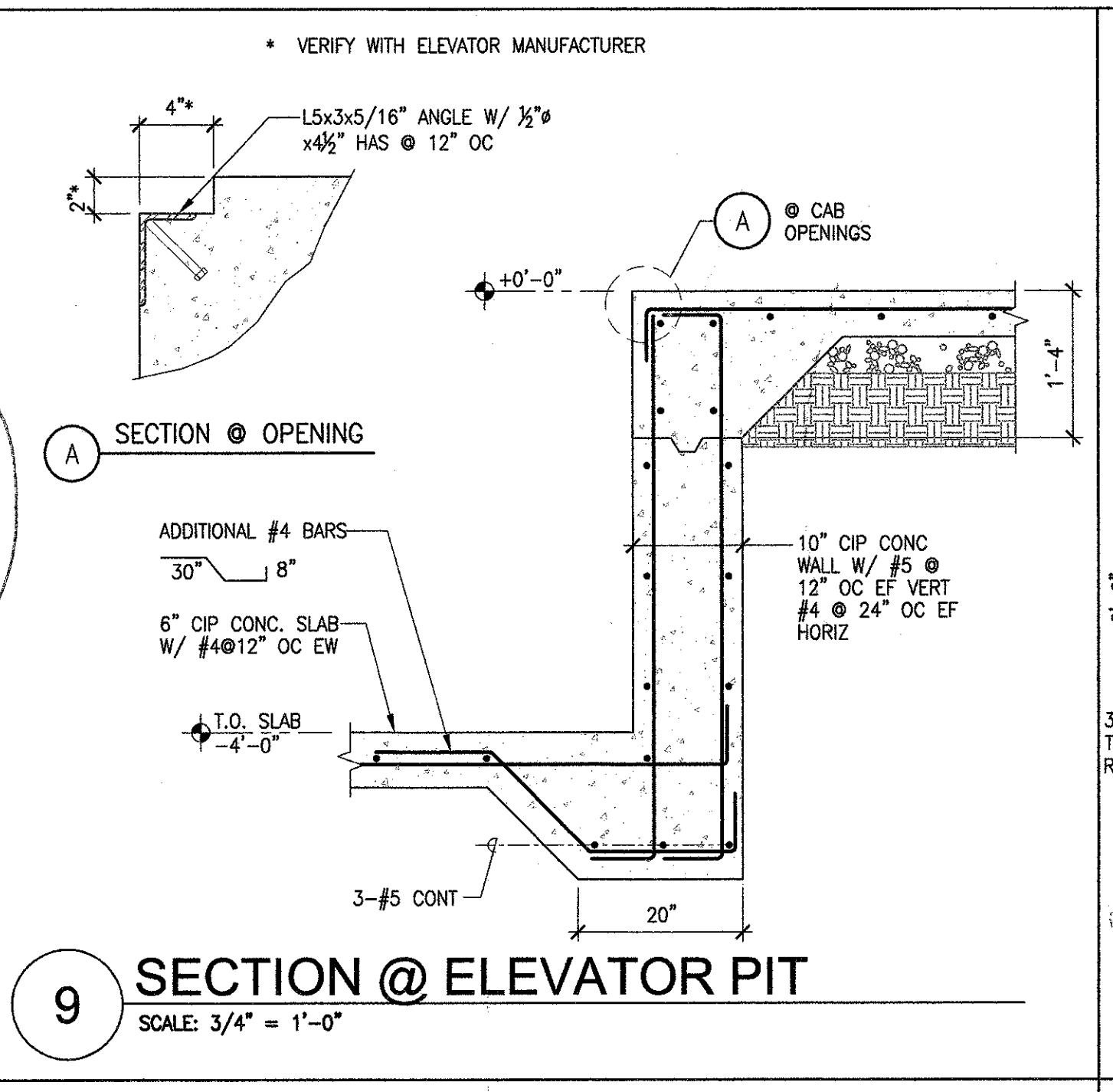
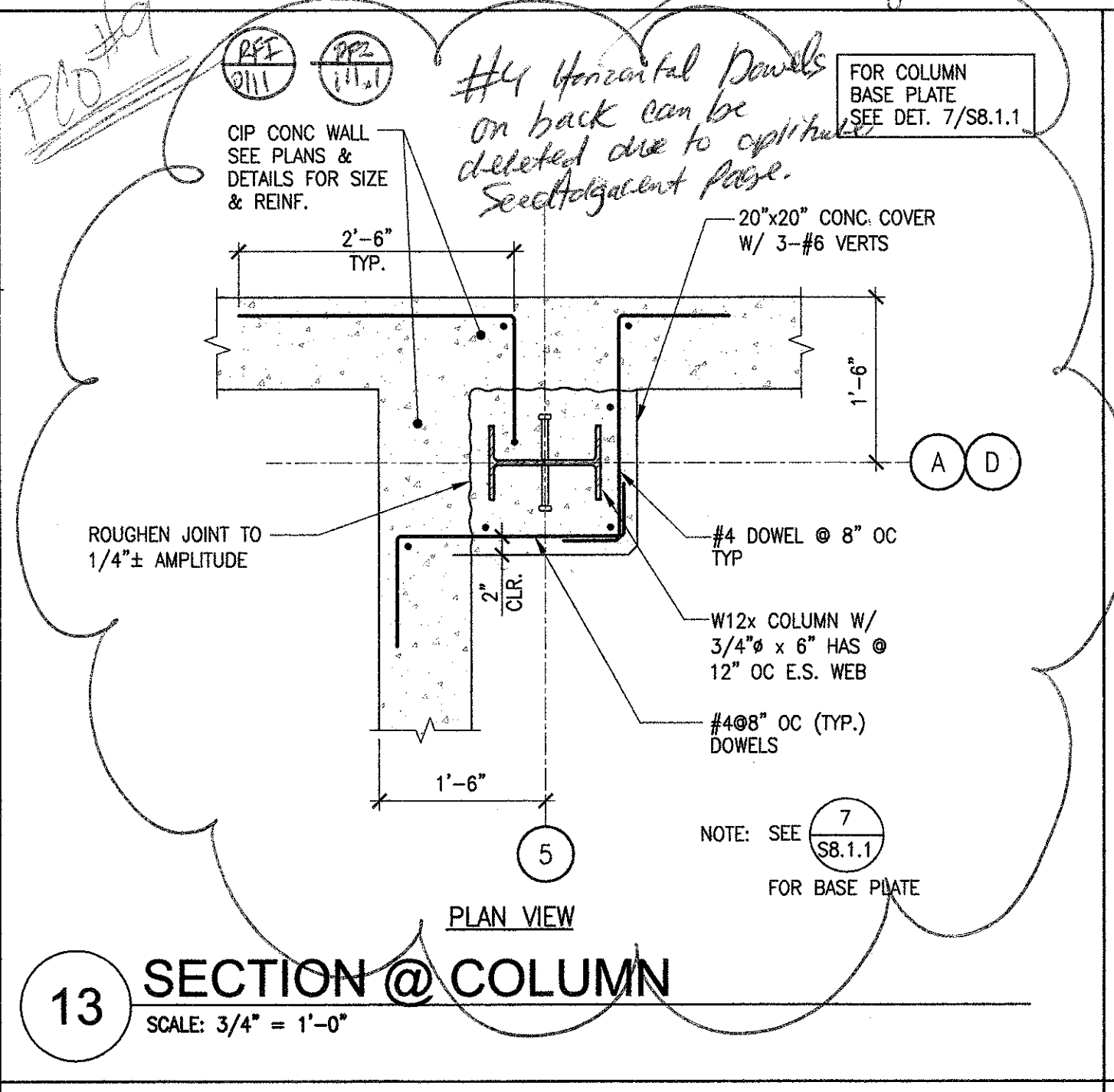
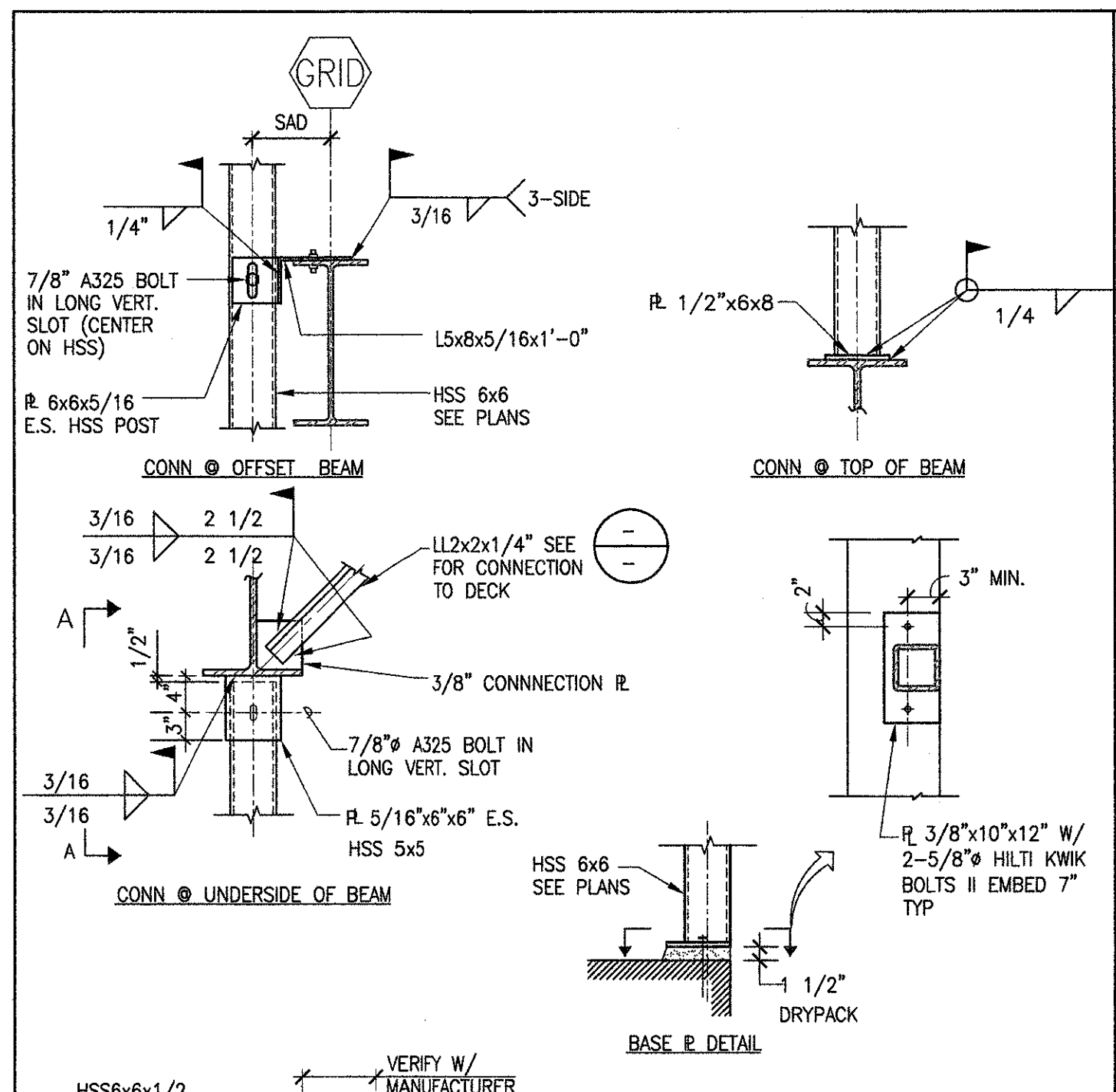
BASED ON ABOVE ITEMS 1, 2, 3, 4 ... WE ALLOW CHANGE #4 REBAR DOWN, SHOWN IN DET 13/58-12 BE OMITTED FROM CONSTRUCTION.



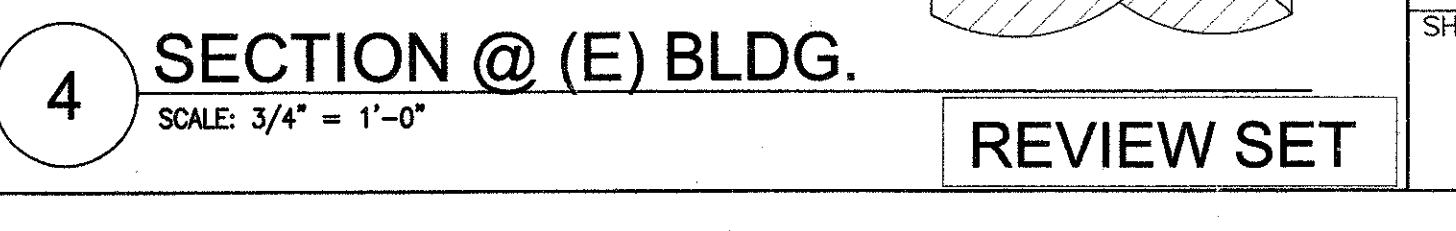
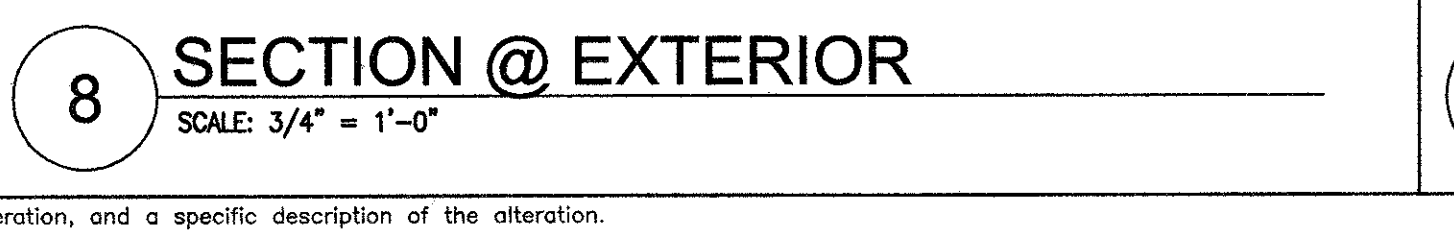
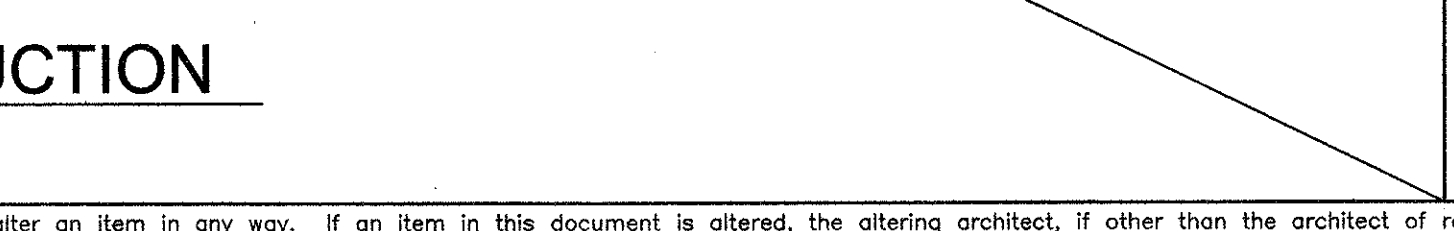
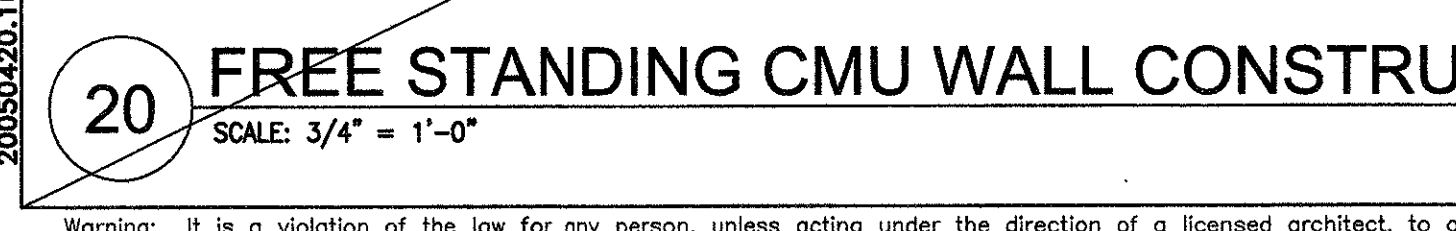
13 SECTION @ COLUMN
 SCALE: 3/4" = 1'-0"

APPROVED
 REPLACES DETAIL DIV OF THE STATE ARCHITECTS
 13/58-12
 APPL. NO. 11658 DATE 2/1/00

Project: Skyline College	Room: 1-212-100
Designation: EPE # 111	Date: 12/14/2005
	By: TVG/cl
	Doc: 2/2



WALL HEIGHT	WALL		FOOTING				
	THICKNESS (IN.)	VERT. REINF.	HOR. REINF.	W (IN.)	D (IN.)	TRANS. REINF.	LONG. REINF.
≤ 6'-0"	8"	#5 @ 16" O.C.	#4 @ 24" O.C.	36"	18"	#4 @ 16" O.C.	#4 @ 16" O.C.
6'-1" TO 8'-0"	8"	#5 @ 16" O.C.	#4 @ 24" O.C.	48"	18"	#4 @ 16" O.C.	#4 @ 16" O.C.
8'-1" TO 10'-0"	10"	#5 @ 16" O.C. E.F. (STAGGERED)	#5 @ 24" O.C.	56"	18"	#4 @ 16" O.C.	#4 @ 16" O.C.
10'-1" TO 12'-0"	12"	#5 @ 16" O.C. EACH FACE	#4 @ 24" O.C. EACH FACE	60"	20"	#5 @ 12" O.C.	#5 @ 12" O.C.
12'-1" TO 16'-0"	12"	#5 @ 8" O.C. EACH FACE	#5 @ 24" O.C. EACH FACE	78"	24"	#5 @ 12" O.C.	#5 @ 12" O.C.
16'-1" TO 18'-0"	16"	#5 @ 8" O.C. EACH FACE	#5 @ 24" O.C. EACH FACE	90"	24"	#5 @ 12" O.C.	#5 @ 12" O.C.



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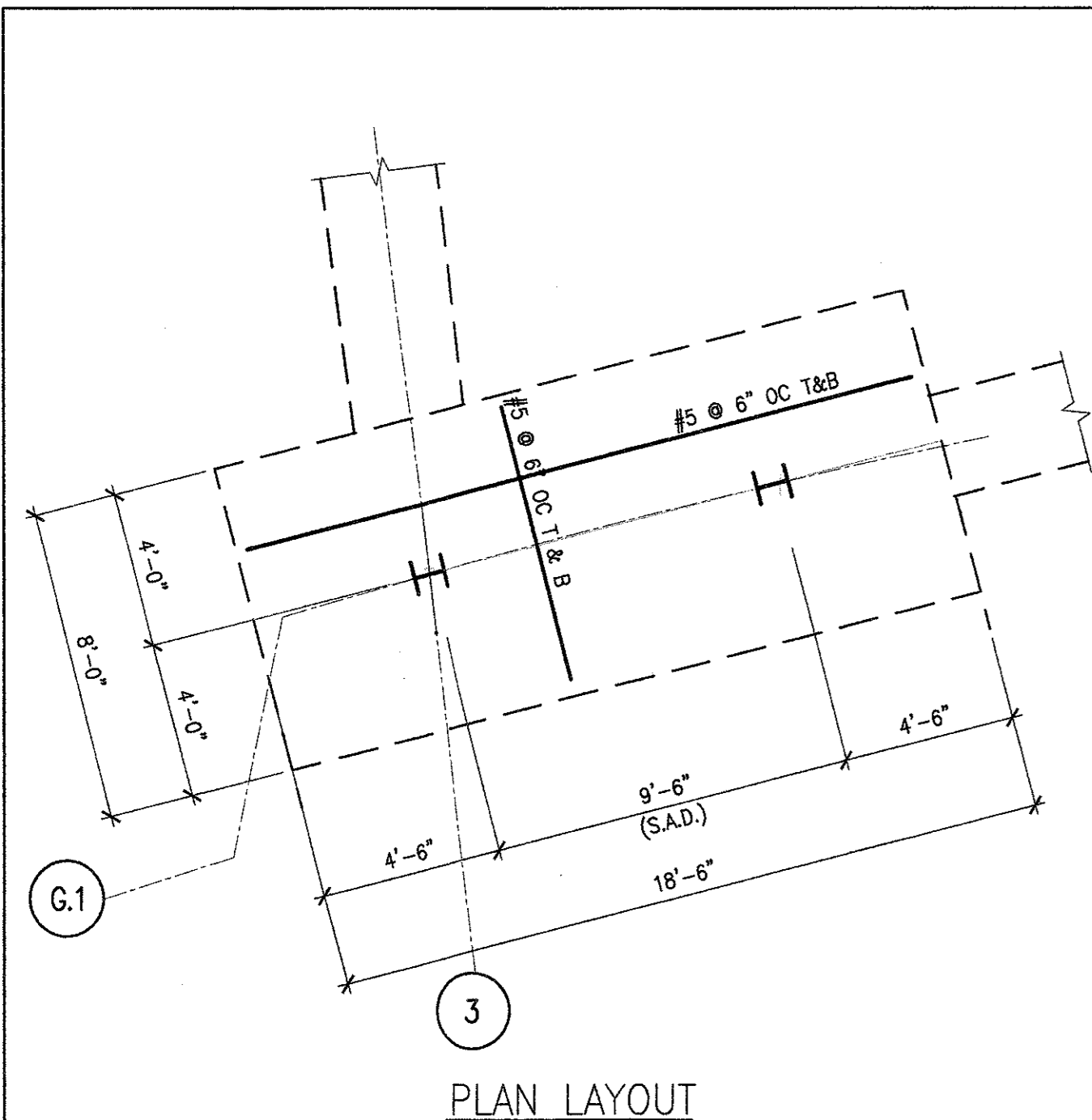
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Fax: (408) 371-0100

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PROFESSIONAL ENGINEER
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Exp. 6/30/06
STATE OF CALIFORNIA

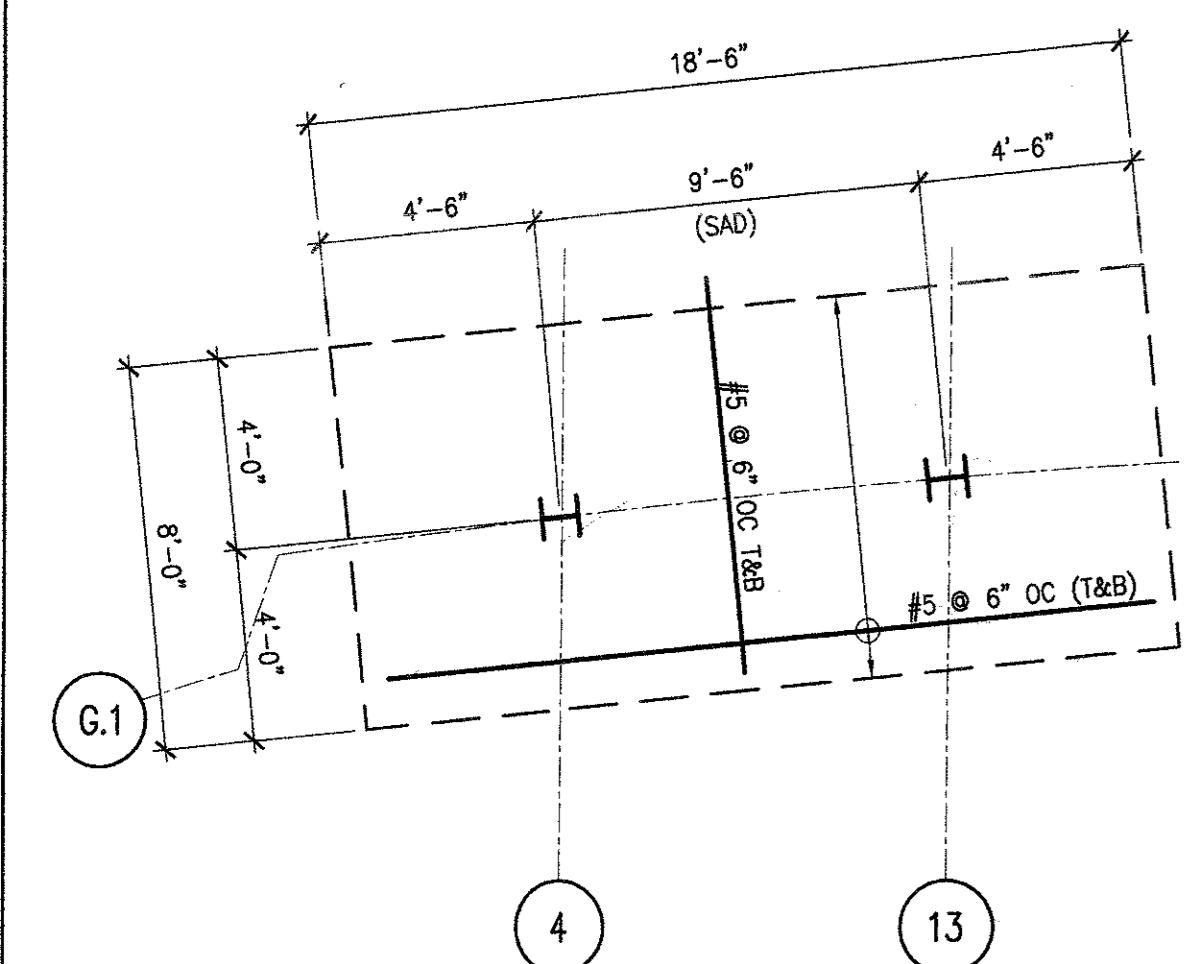
SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

DRAWING TITLE: SECTIONS AND DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER S8.1.2

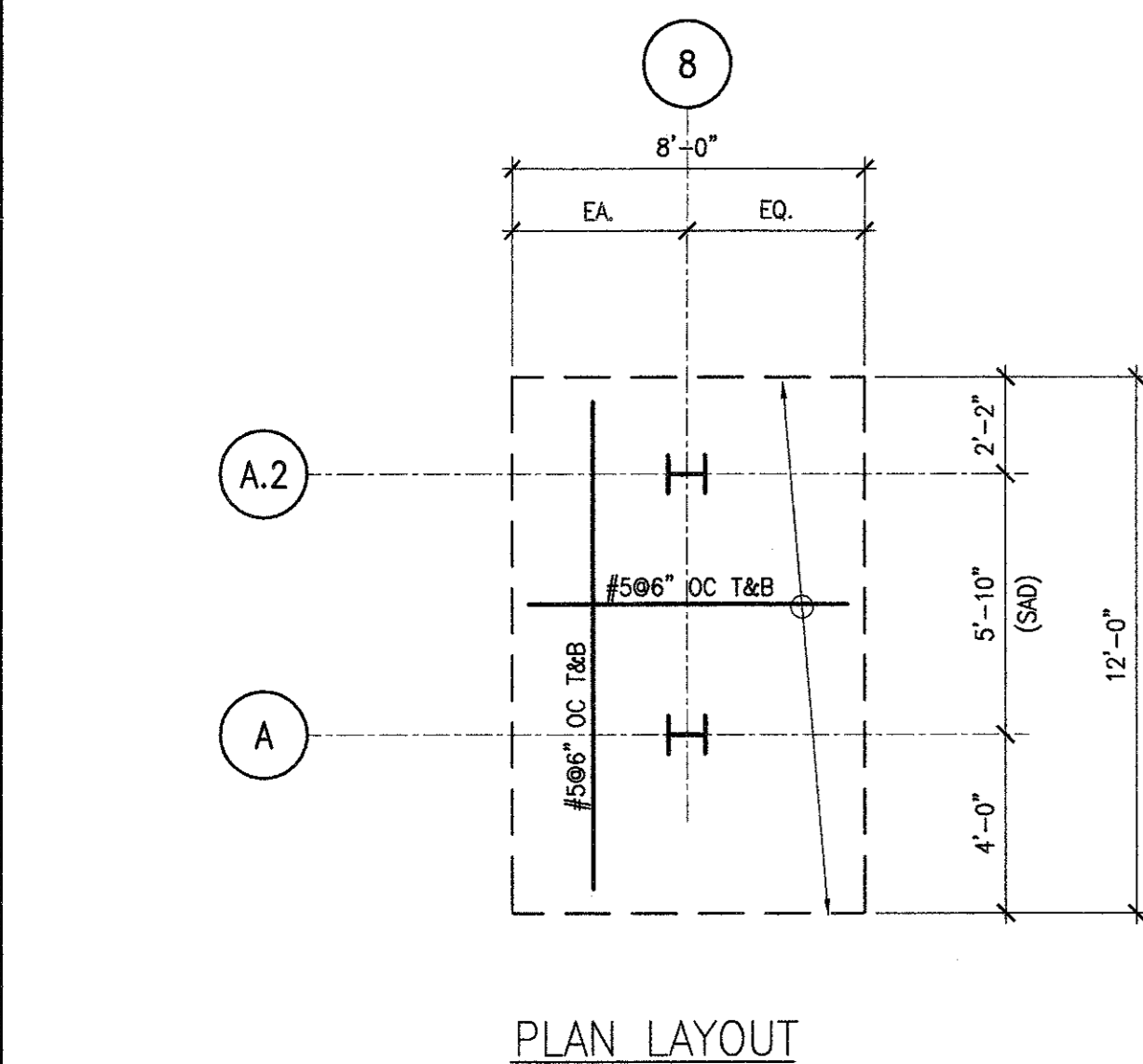


3 PLAN LAYOUT



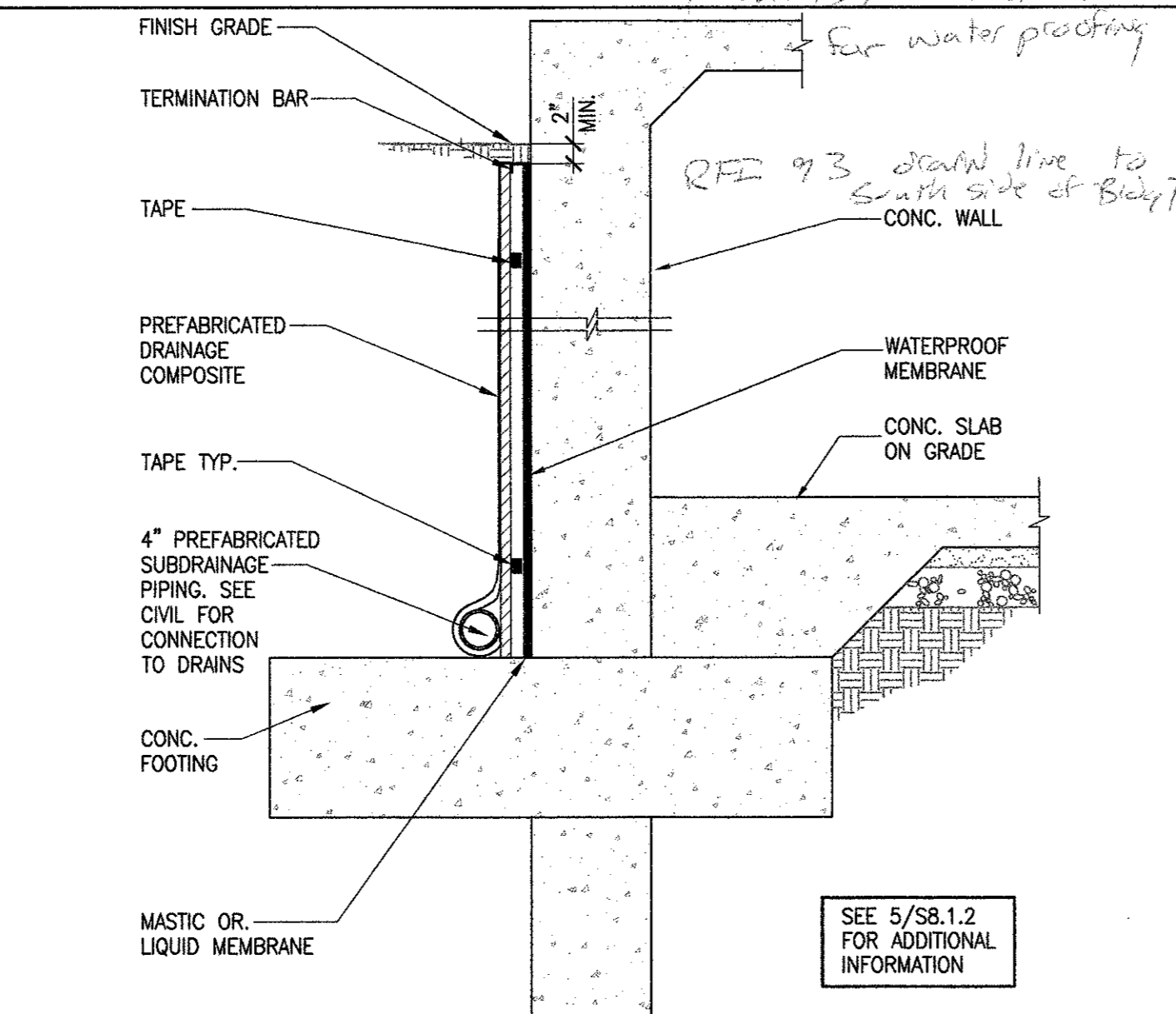
4 PLAN LAYOUT

18 DETAIL
SCALE: 1/4" = 1'-0" = 1'-0"

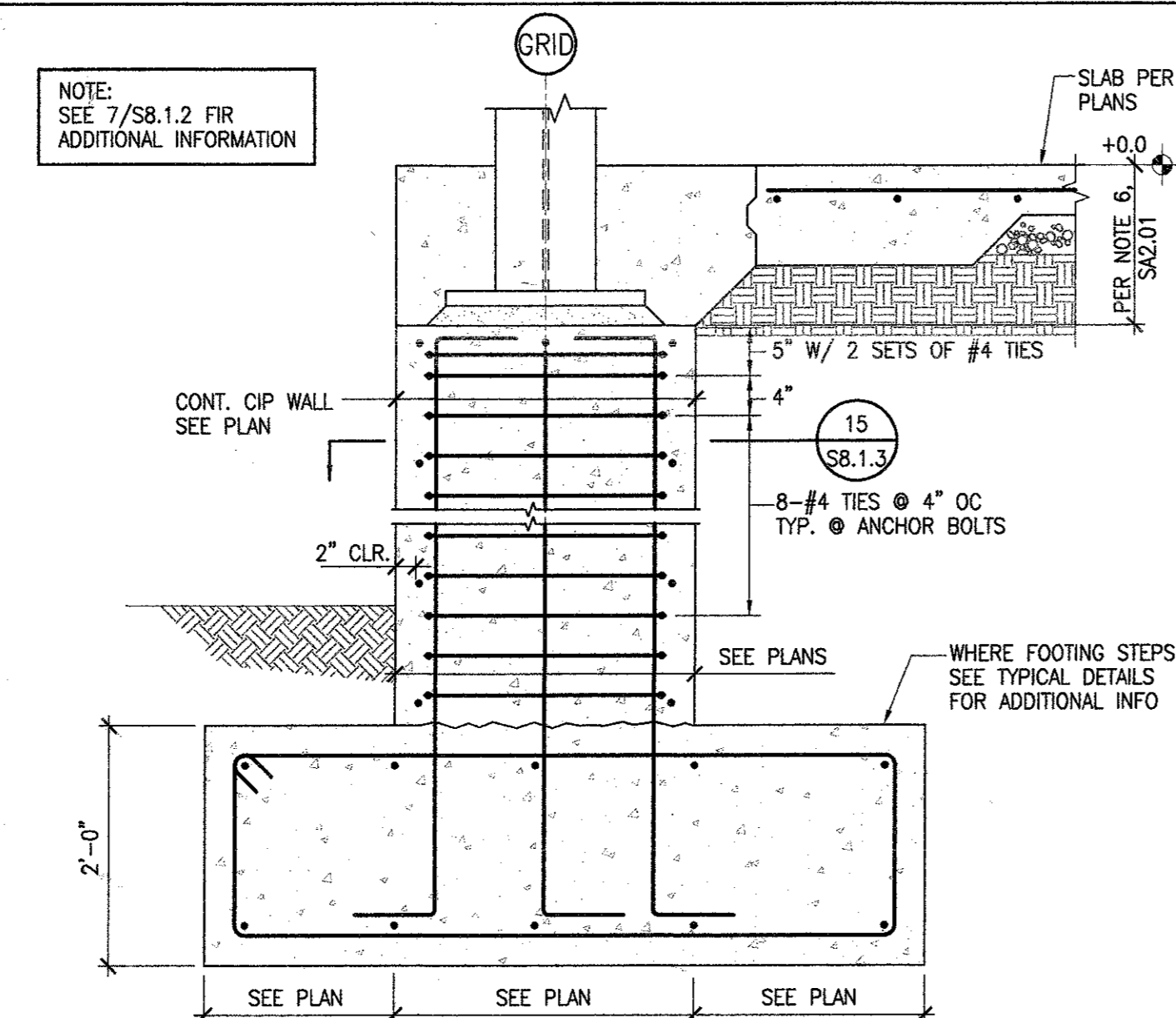


8 PLAN LAYOUT

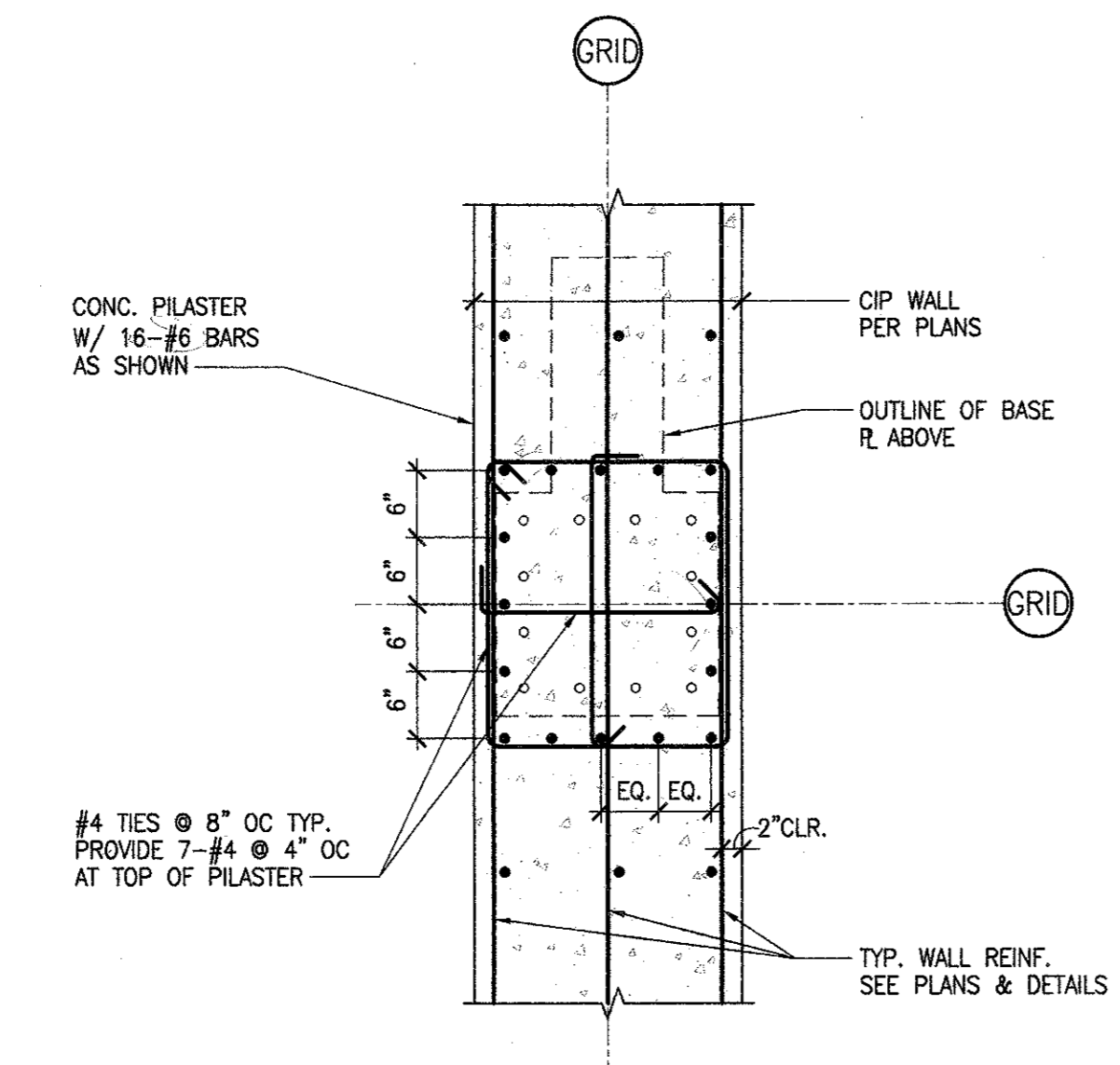
19 DETAIL
SCALE: 1/4" = 1'-0" = 1'-0"



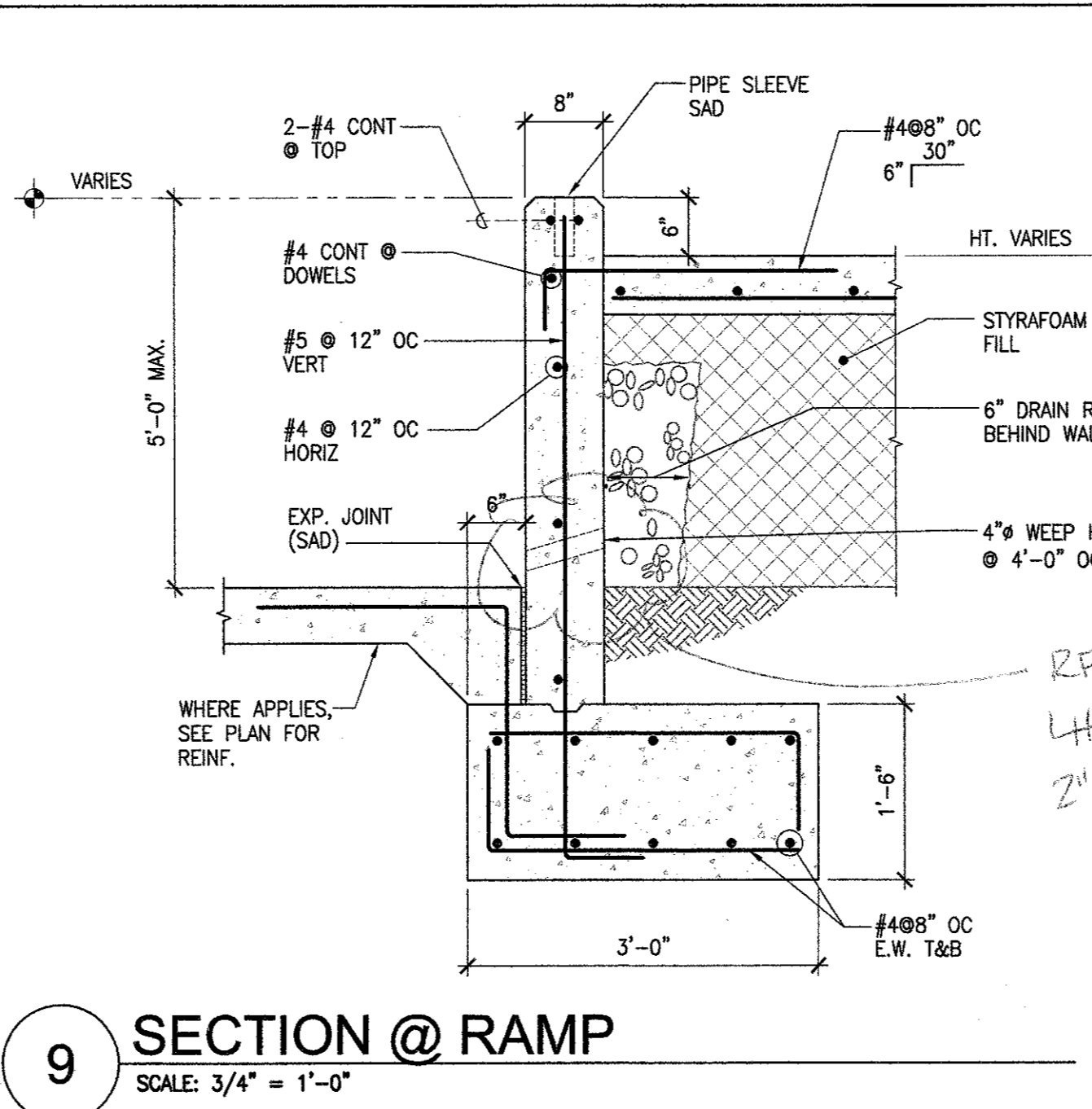
13 SECTION @ SUBDRAINAGE PIPING
SCALE: 3/4" = 1'-0"



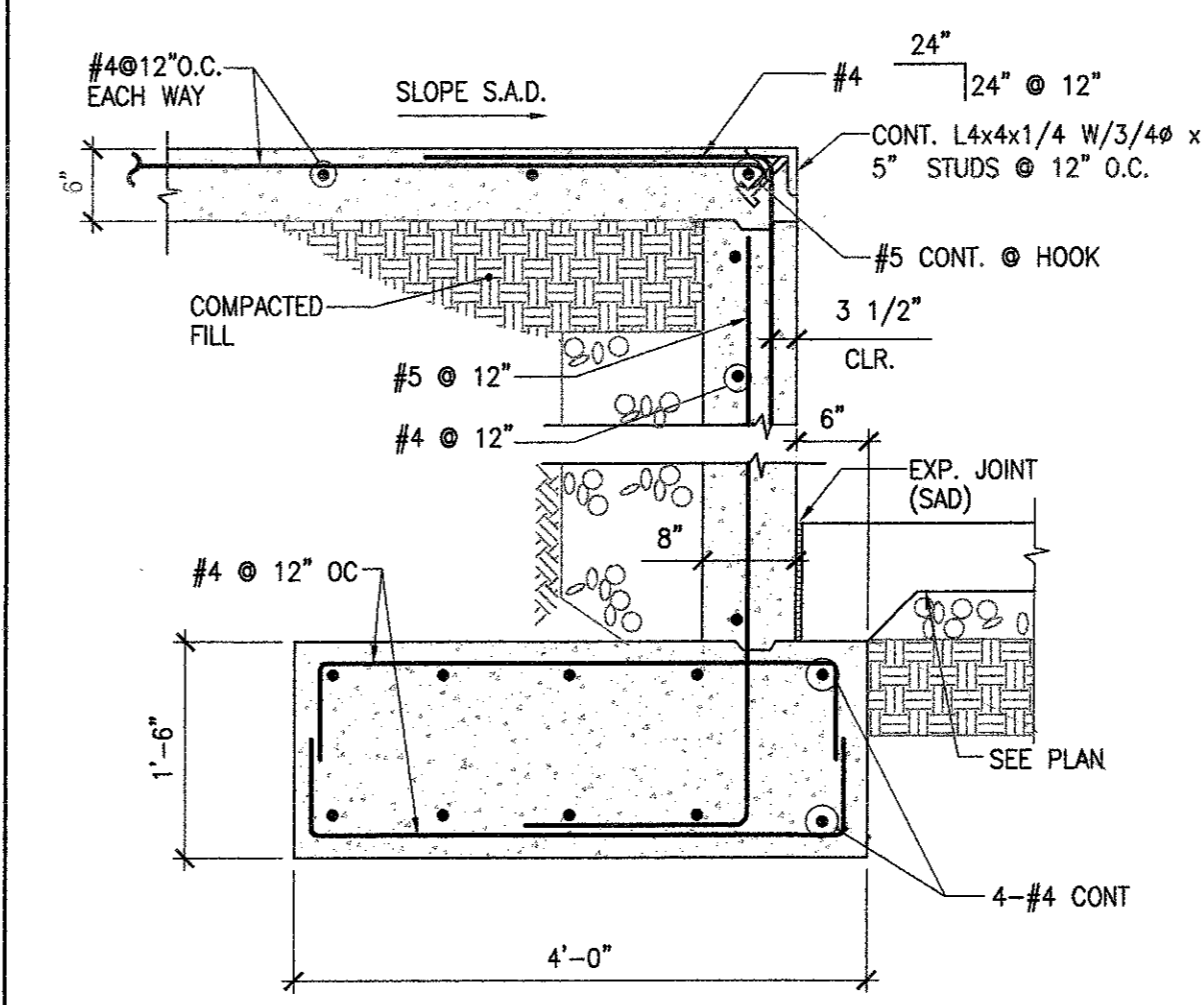
14 SECTION @ WALL WITH FRAME COLUMN - PILASTER
N.T.S.



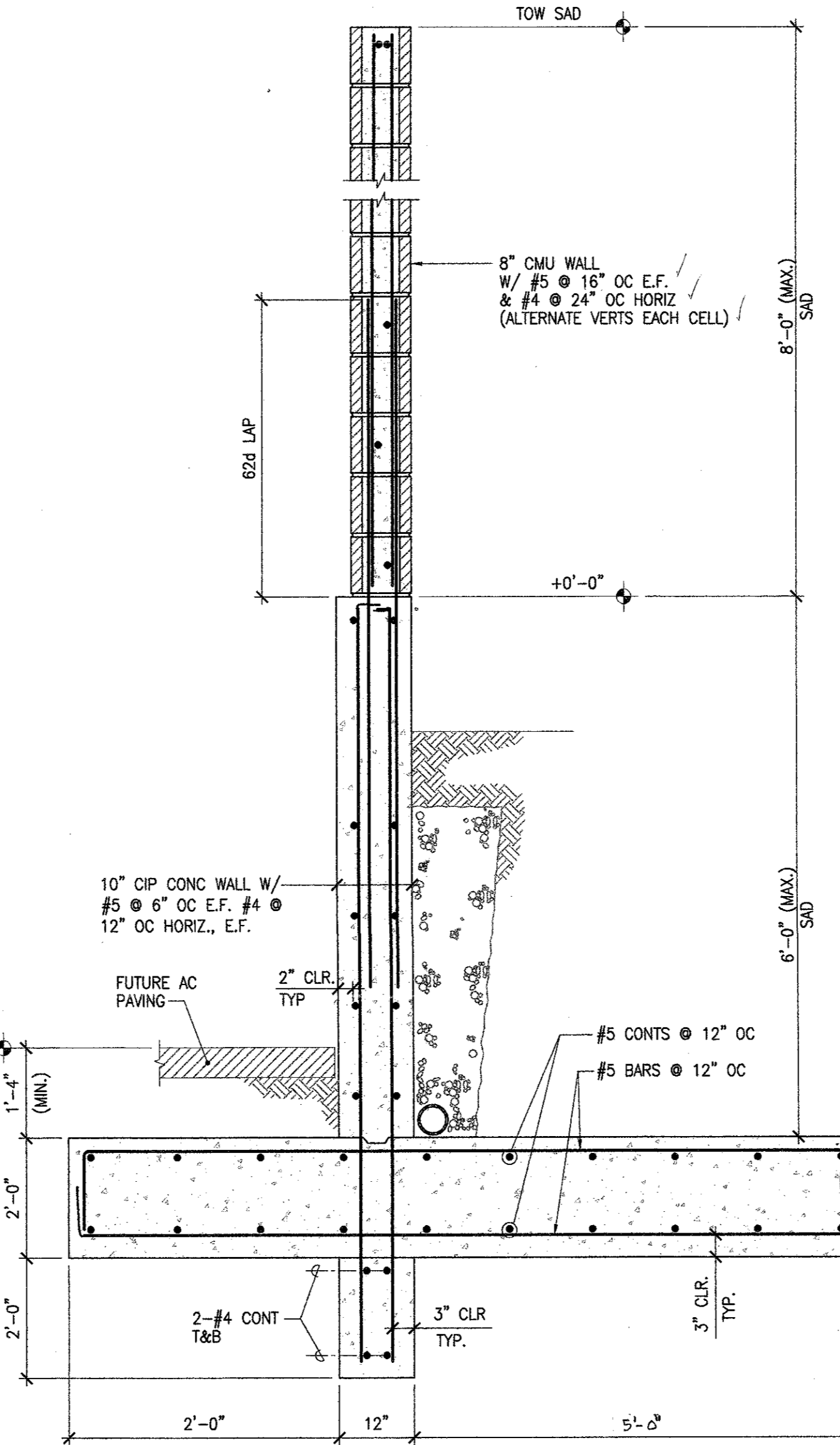
15 PLAN @ PILASTER
SCALE: 3/4" = 1'-0"



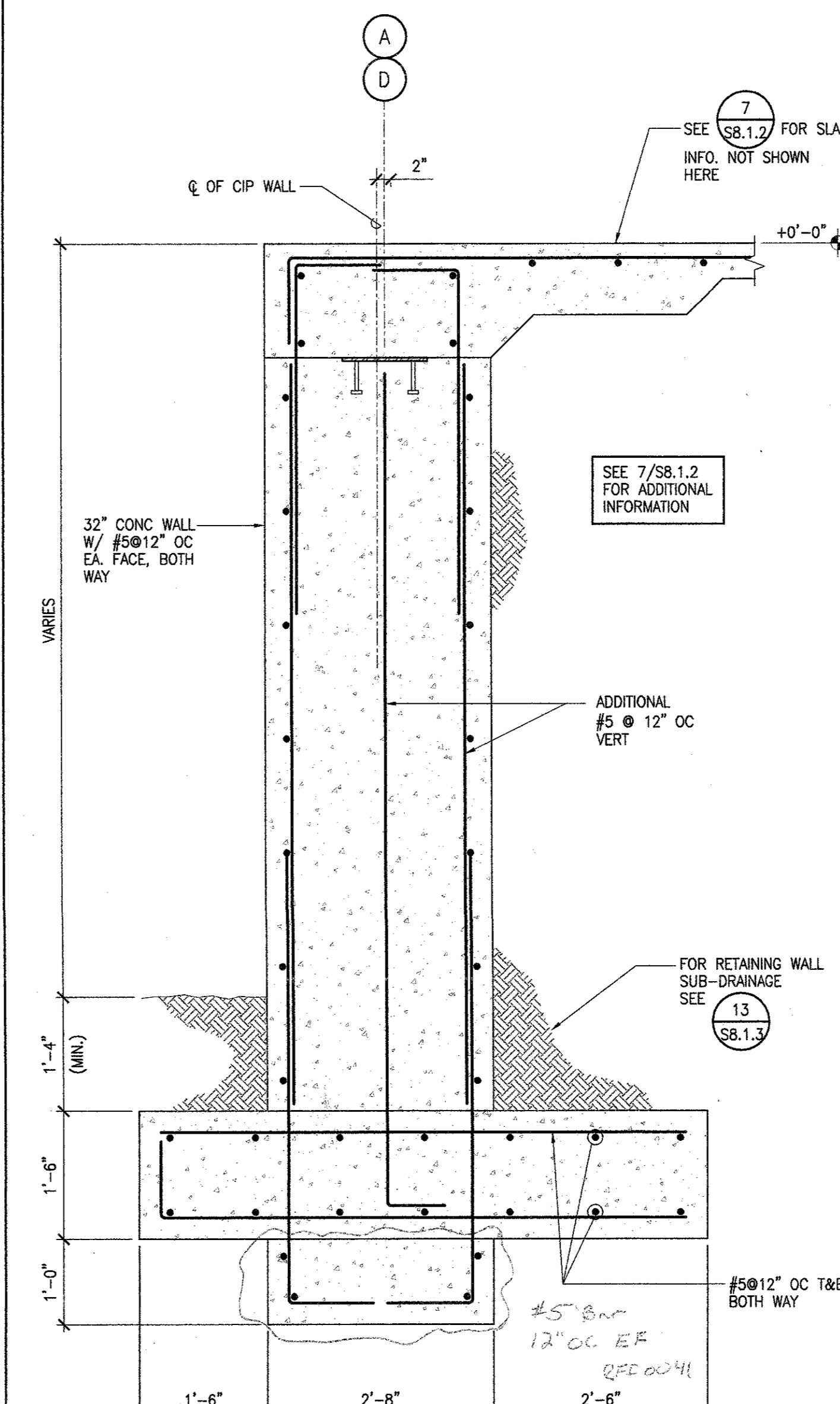
9 SECTION @ RAMP
SCALE: 3/4" = 1'-0"



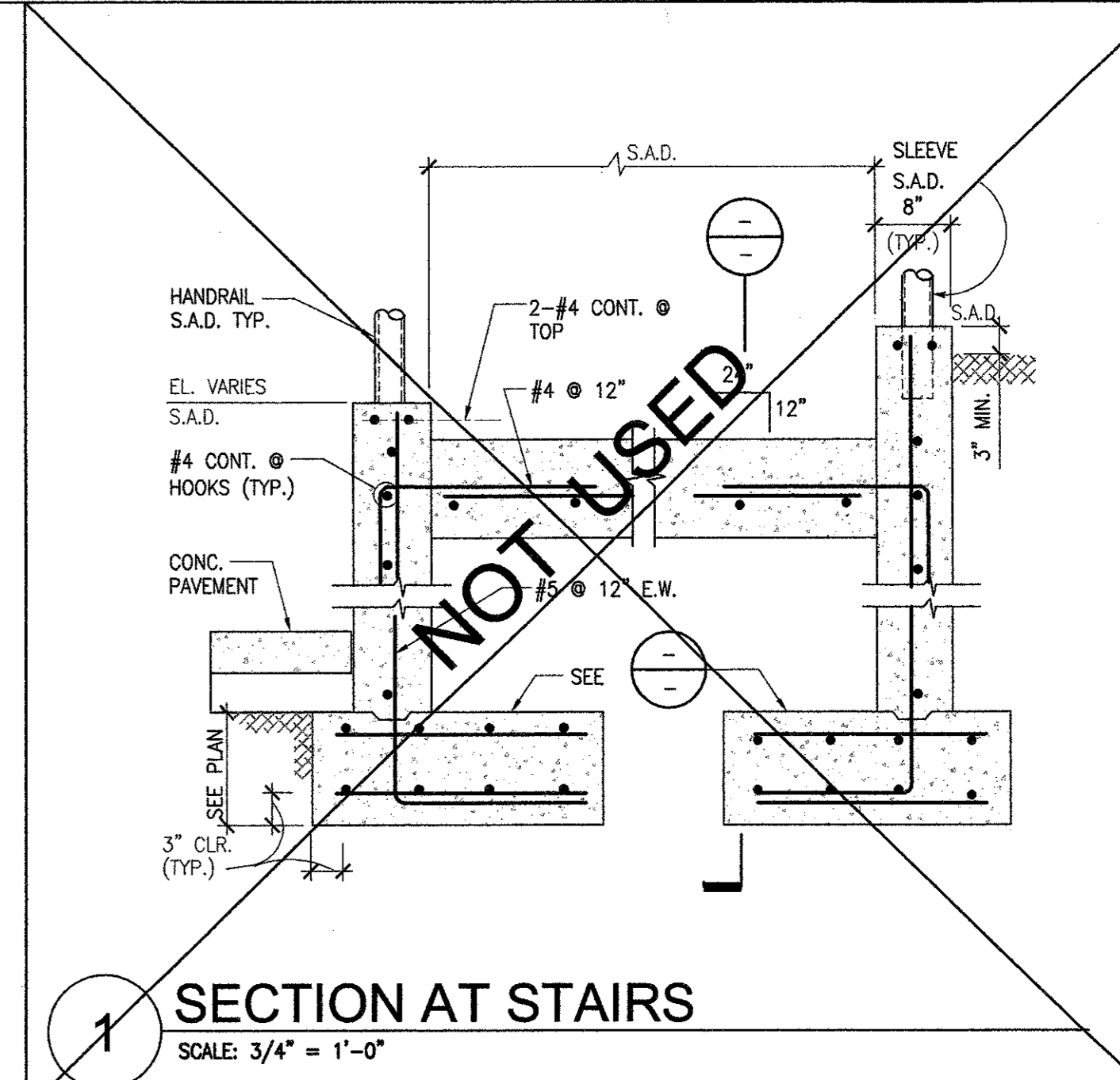
6 SECTION @ LOADING DOCK
SCALE: 3/4" = 1'-0"



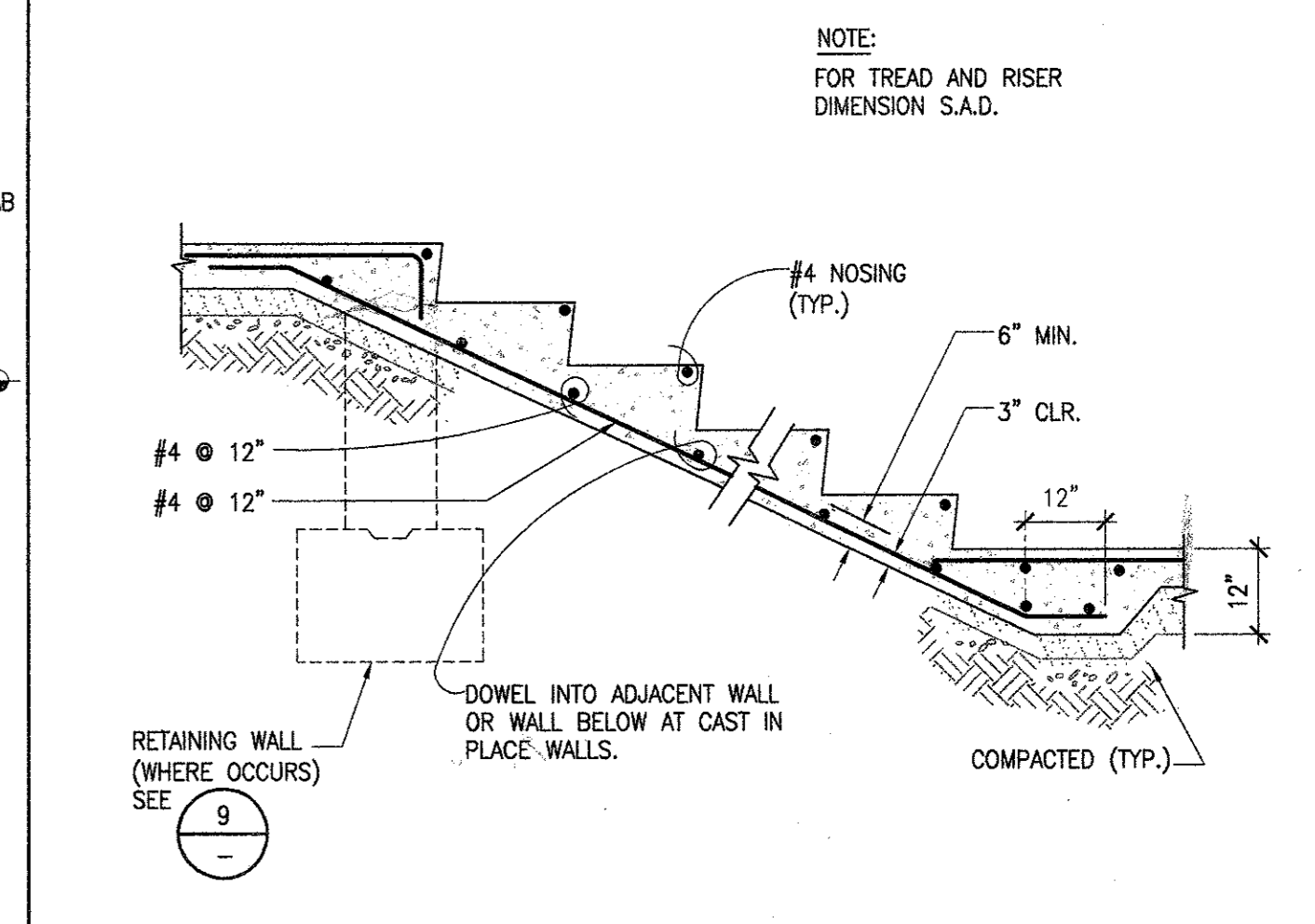
12 SECTION
N.T.S.



8 SECTION
N.T.S.



1 SECTION AT STAIRS
SCALE: 3/4" = 1'-0"

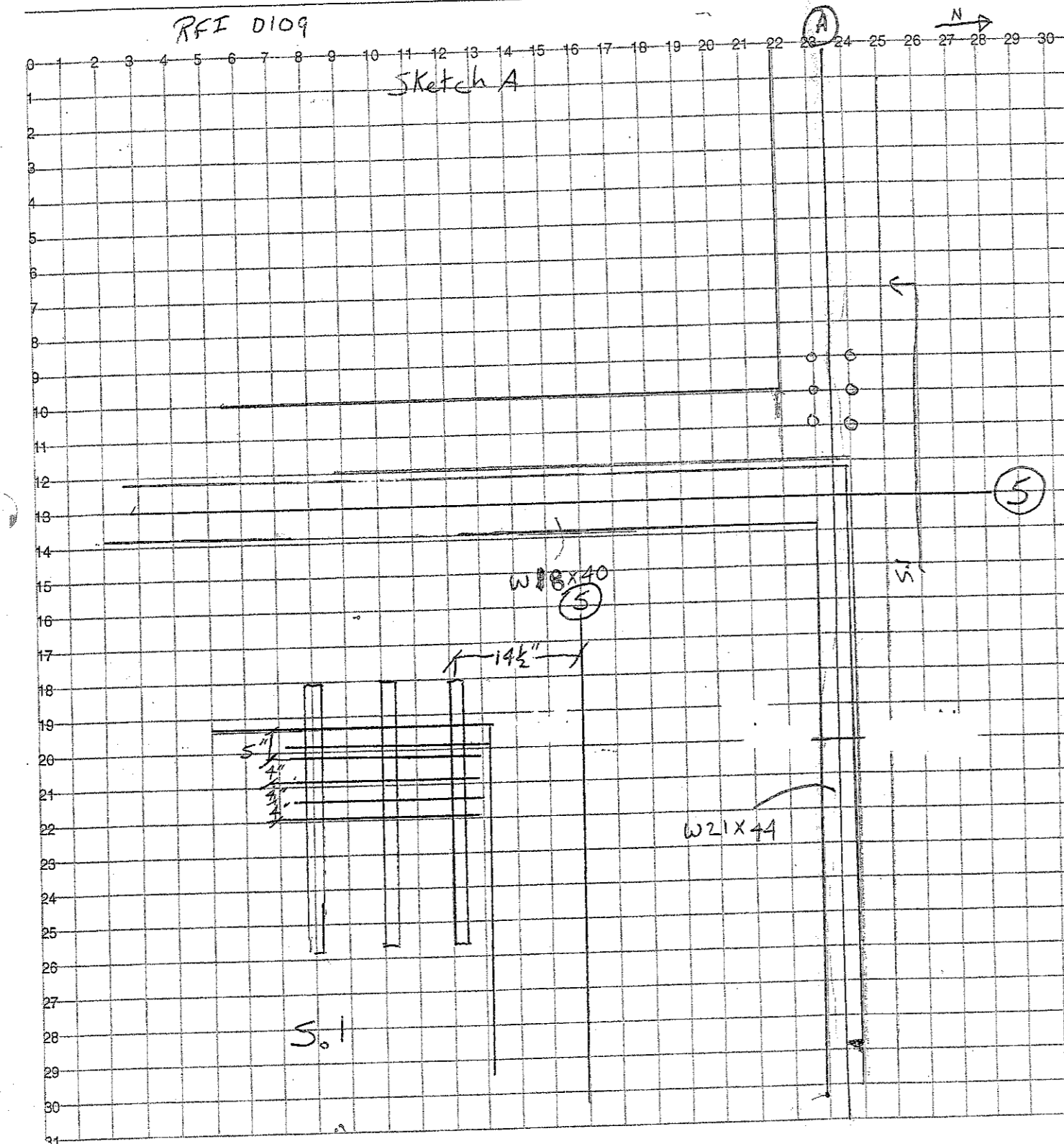


3 SECTION AT STAIRS
SCALE: 3/4" = 1'-0"

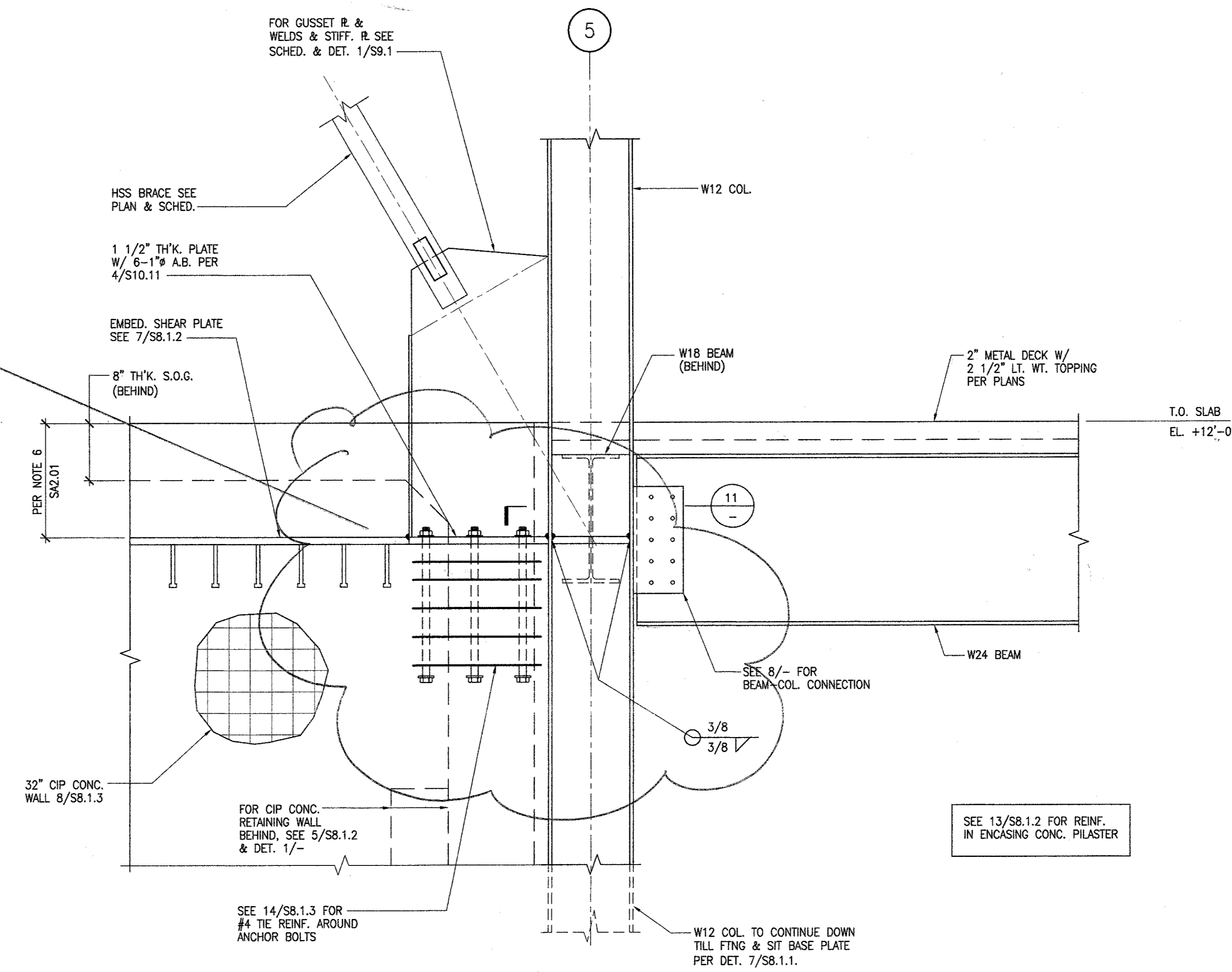
Hensel Phelps Construction Co.

Memo

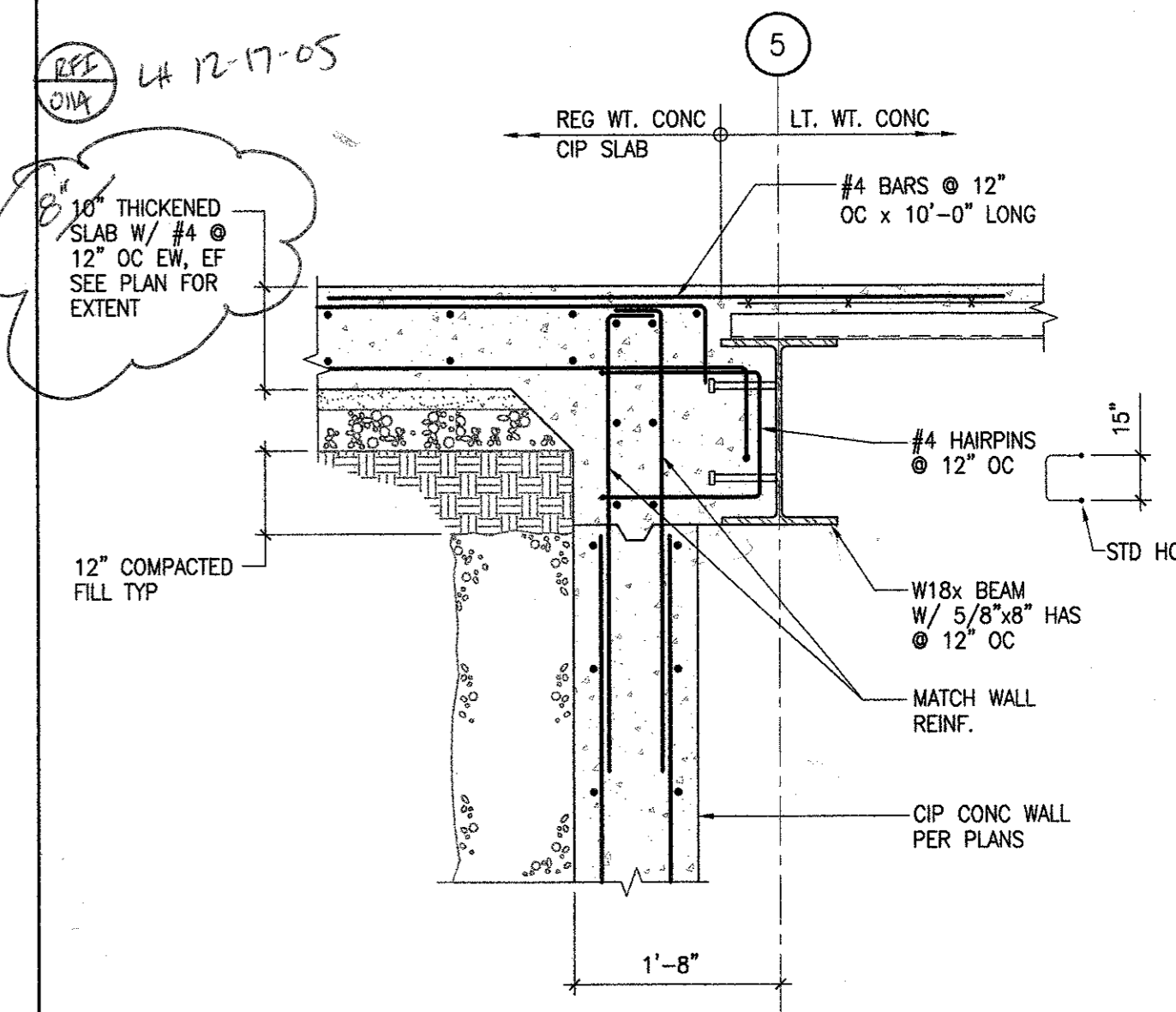
Project: A Line @ (S) Line BLD 7A
Date: 9/6/03
Job No: SKYLINE College
Prepared by: Frank Conant
Your action or reply is required on or before:



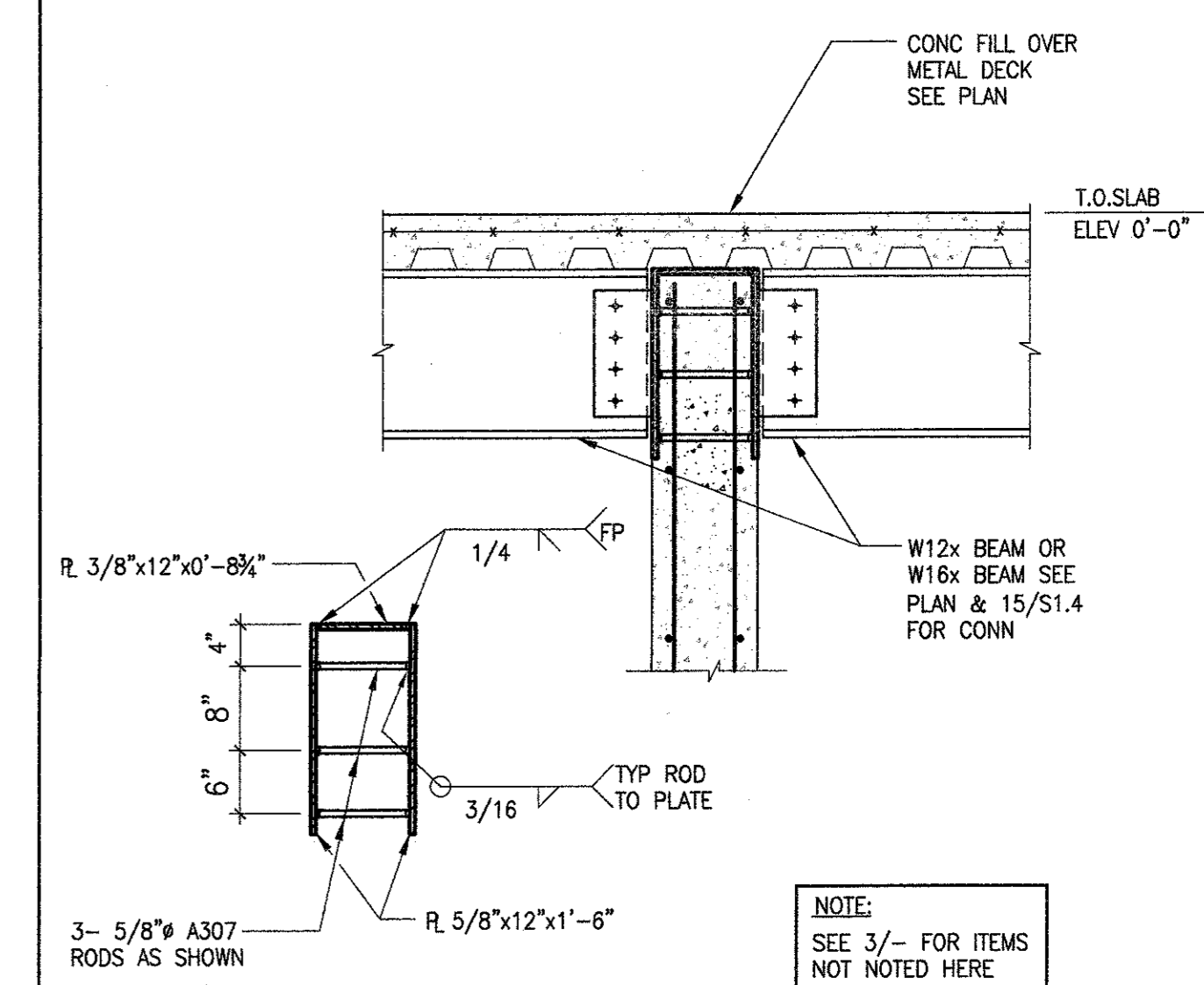
Performance!



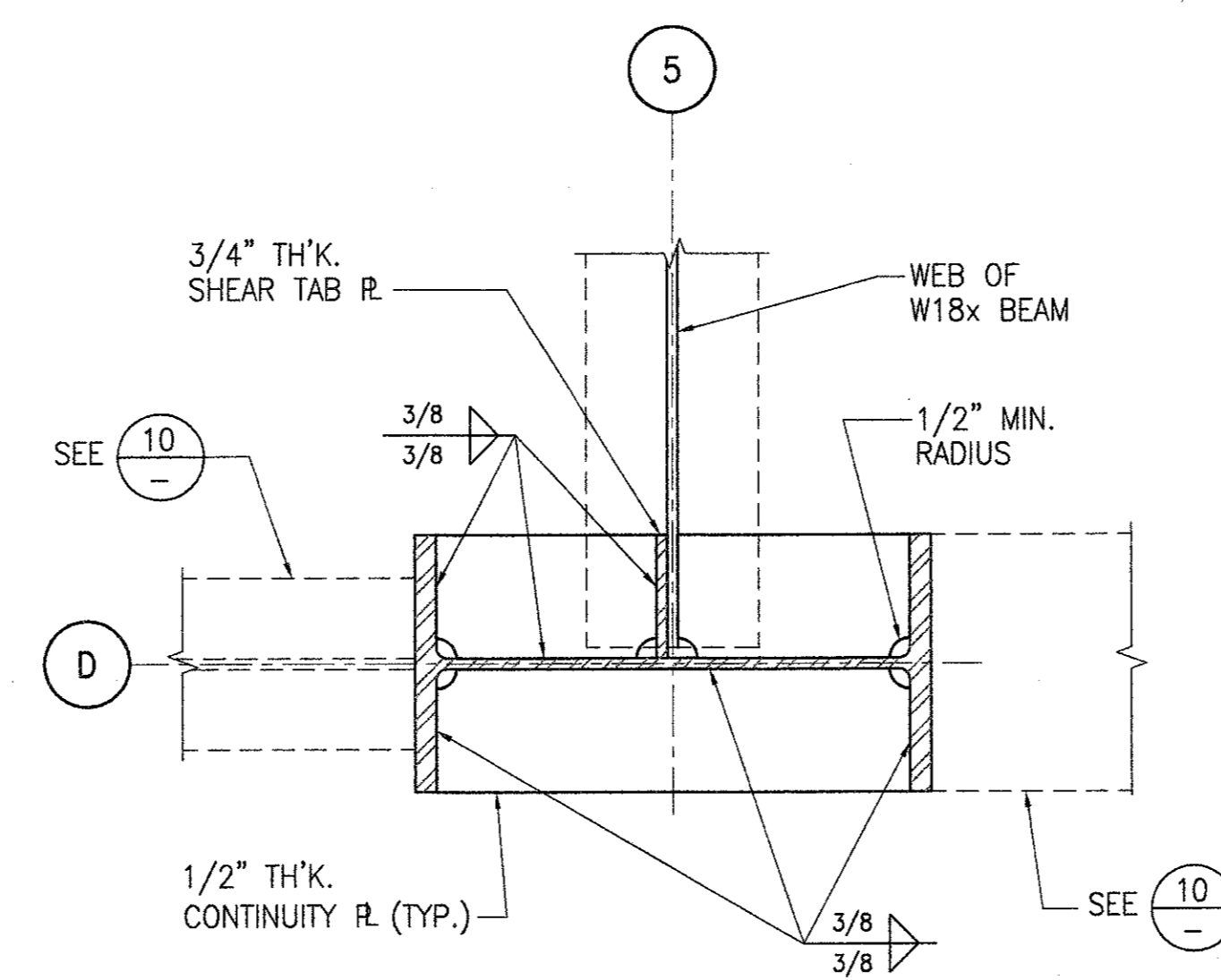
10 SECTION
SCALE: 1"=1'-0"



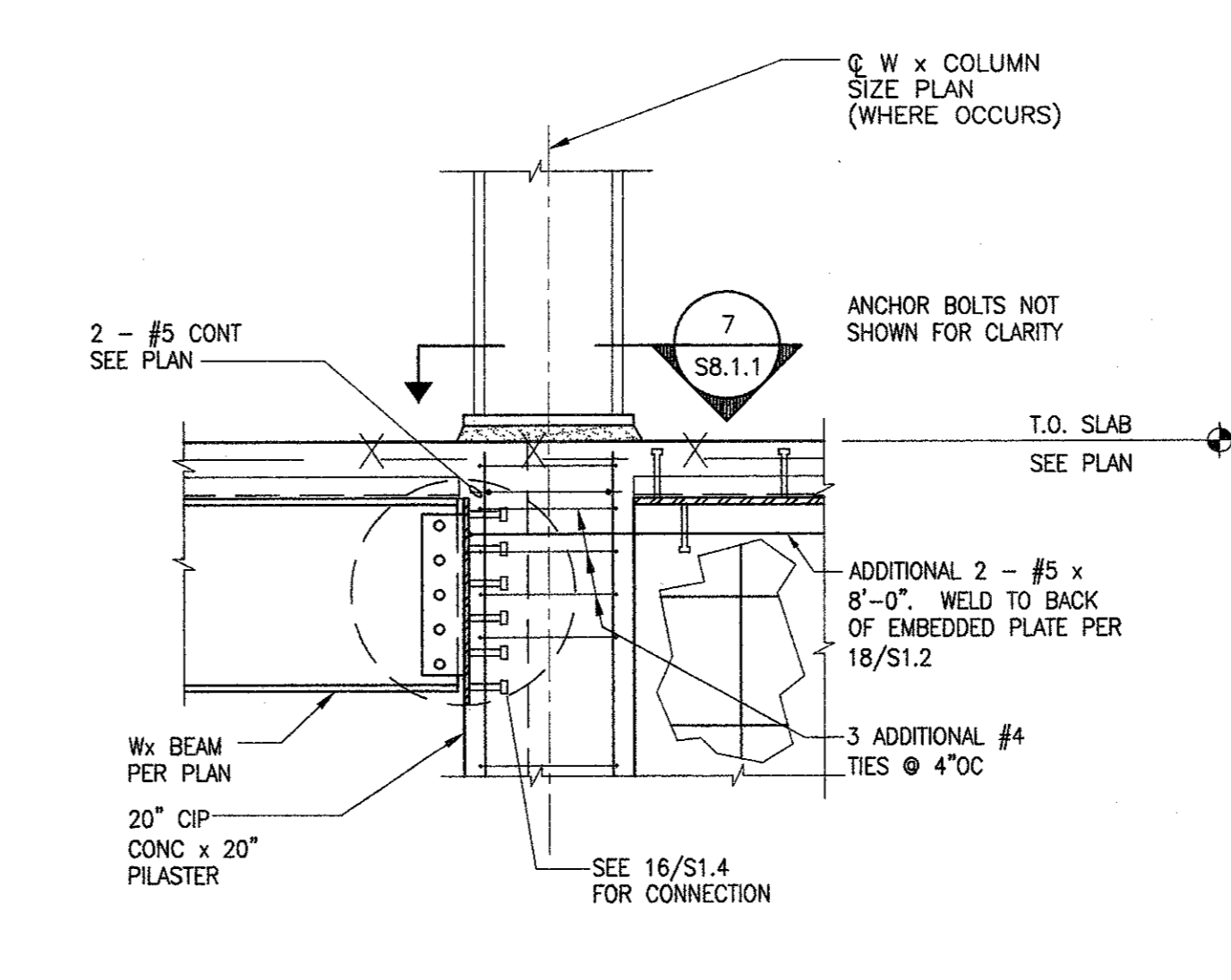
1 SECTION @ RET. WALL
SCALE: 3/4"=1'-0"



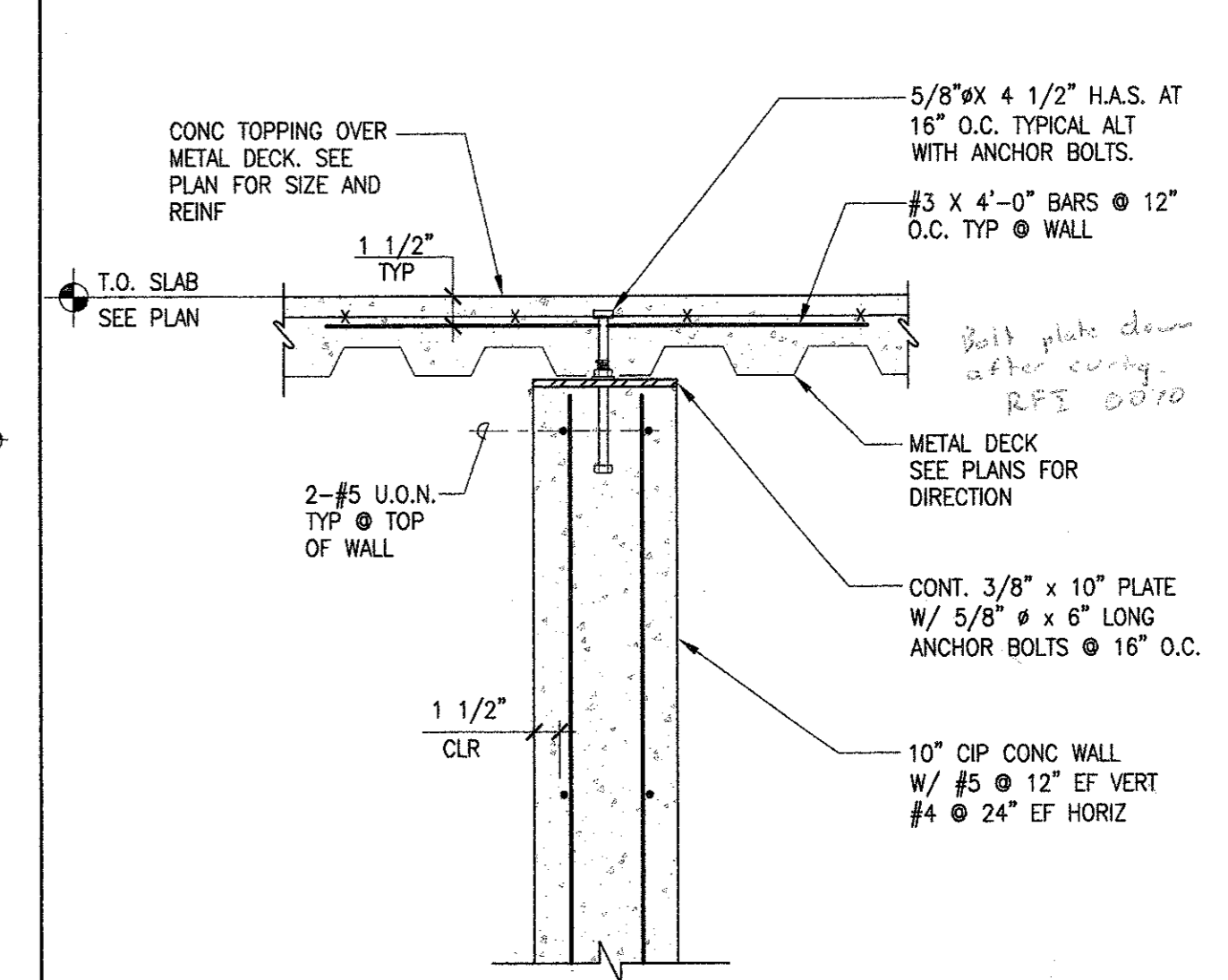
2 SECTION @ BEAM EMBED
SCALE: 3/4"=1'-0"



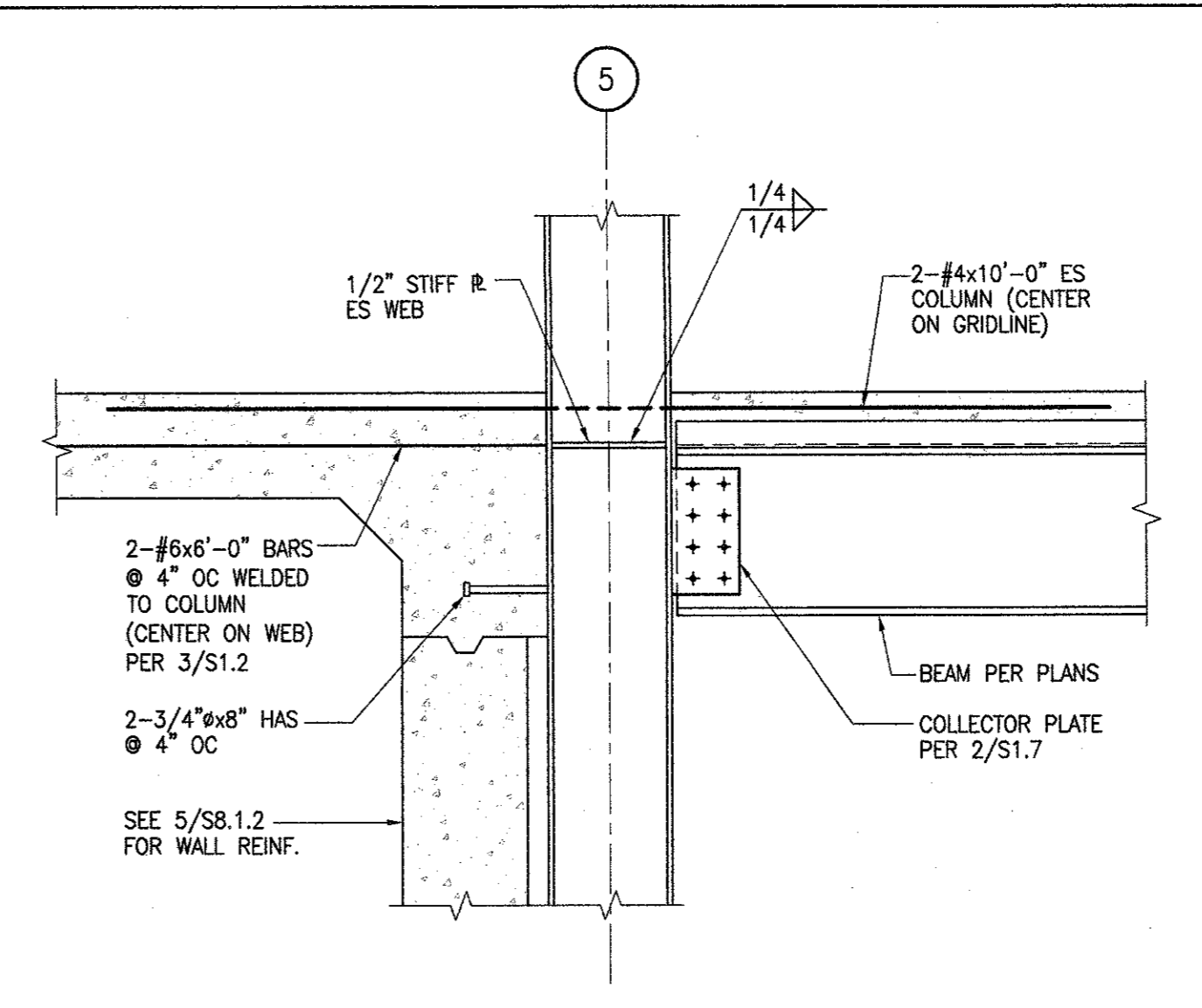
11 SECTION
1 1/2" = 1'-0"



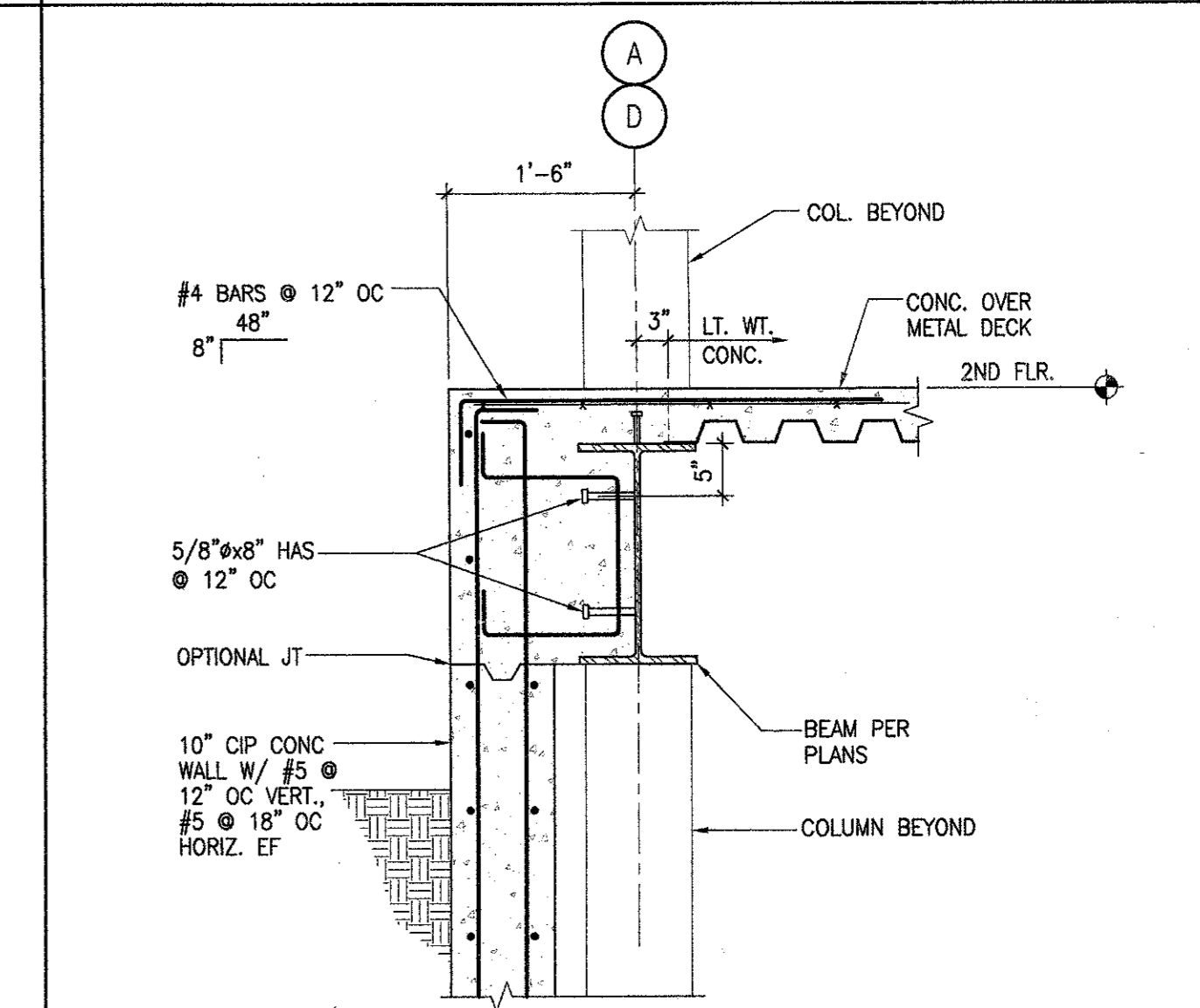
7 SECTION @ CONC PILASTER
SCALE: 3/4"=1'-0"



3 SECTION AT STAIRS
SCALE: 1"=1'-0"



8 SECTION @ COLUMN
SCALE: 3/4"=1'-0"



4 SECTION @ EXTERIOR
SCALE: 3/4"=1'-0"

REVIEW SET

The Steinberg Group

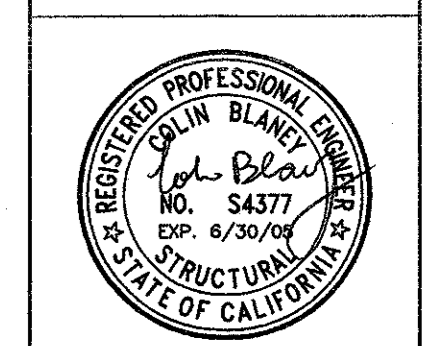
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Crosby group

Hensel Phelps Construction Co.



SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
INCREMENT ONE - SUBMITTAL

ISSUED FOR: DSA - INC #1
DATE: 10.21.04

IDENTIFICATION STAMP
OFFICE OF REGULATION SERVICES
REV. 1-1-2003
DATE: 10/21/04
BY: [Signature]

DRAWING TITLE: SECTIONS AND DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER

S8.2.1

20050420.19012278 K:\Skylines Community College\Drawings\Inc1_S8.2-1.dwg

Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

Question
 Reference Increment No. 1 drawings sheet SB2.02 and SB2.03 as well as sheets SB.3.1 detail 8 and SB.3.2 details 14 and 13.
 Also reference attached sketch.

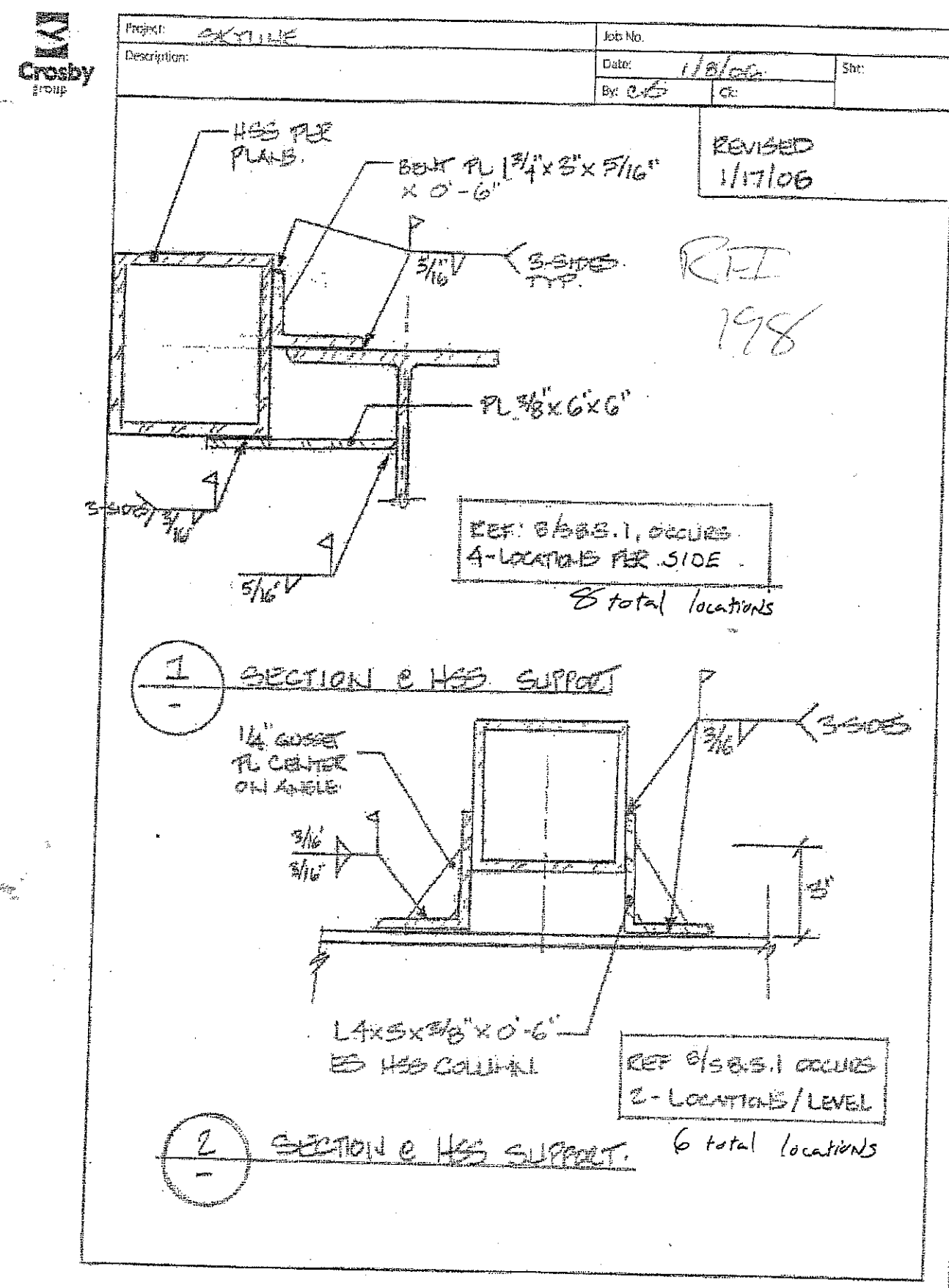
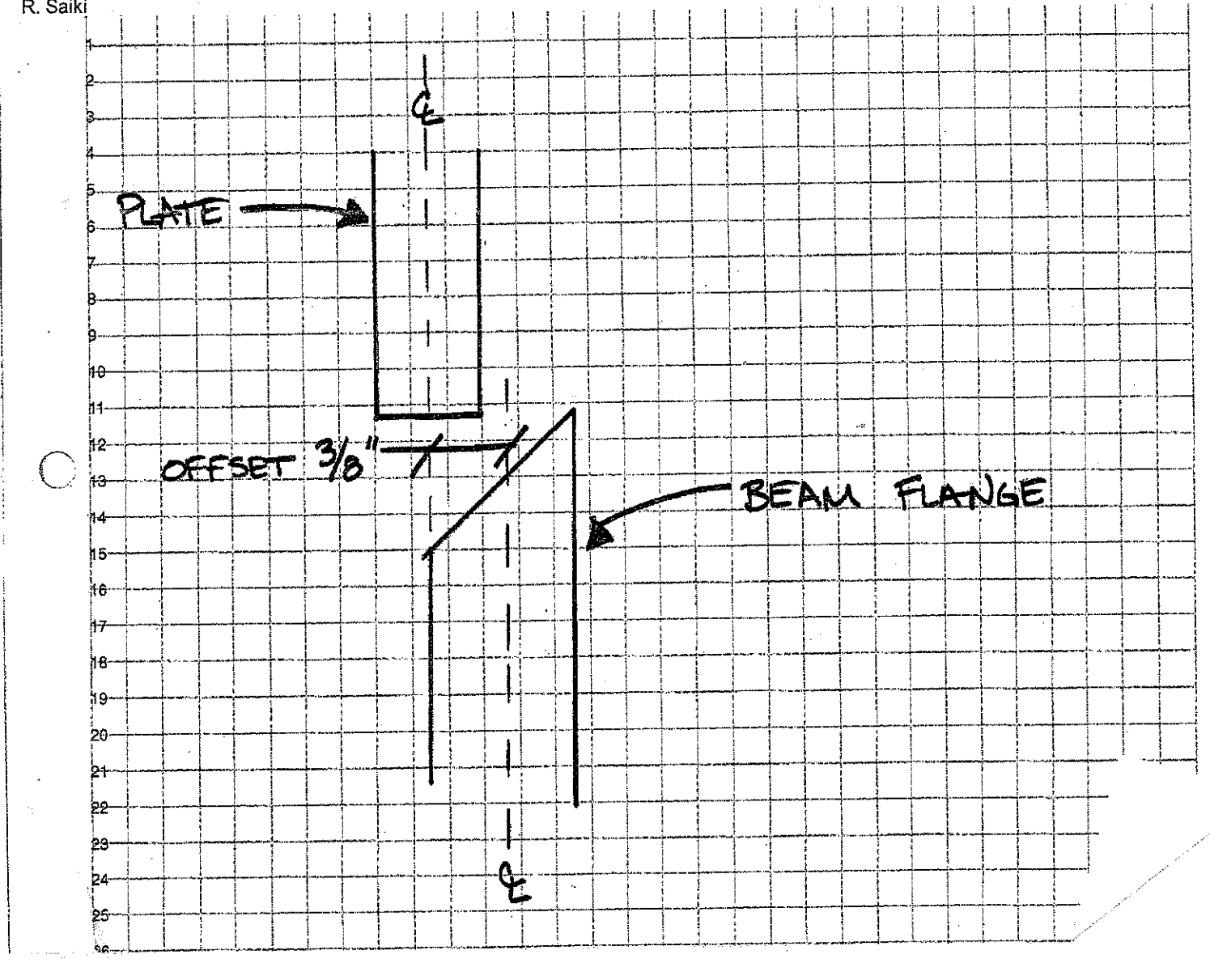
The flat beams for the feature wall on gridline E are to be connected using a 1/2" thick stiffener plate to the beam's flanges. Although these pieces are correct per drawings and details, the offset between the centerlines has been found to be unacceptable to weld properly as specified. (See sketch) This situation occurs in two locations.

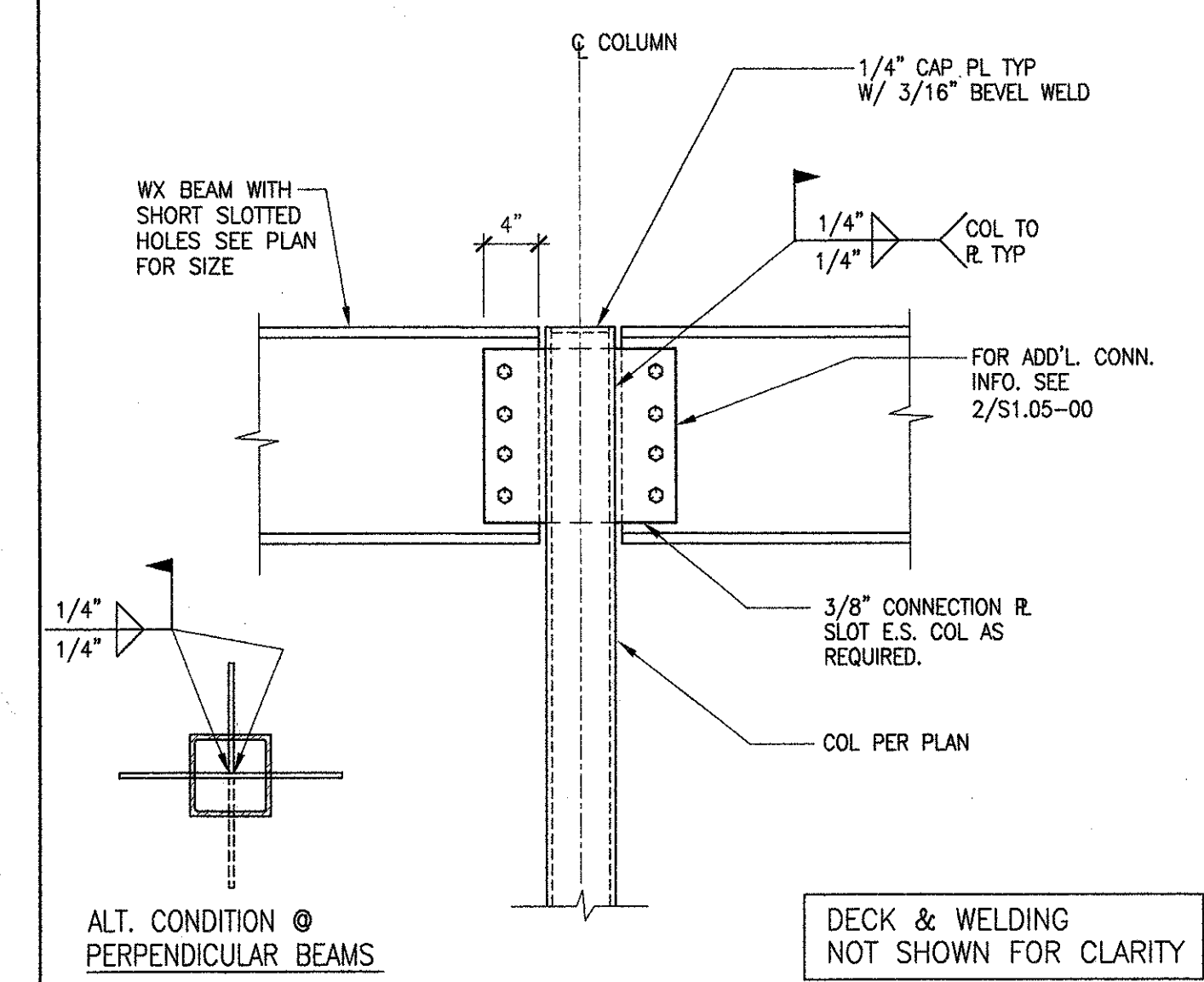
Please advise.

Consultant Comments
 If this alignment issue is occurring in the 7ft or 9ft long segments as shown in det 8/SB.3.1, then it would be acceptable to align the beam skewed (max. 3/8" as shown in your sketch) to provide CPW. Confirm with Architects and coordinate as necessary that this does not affect metal-stud framing. If the 3/8" skew occurs in 2' segment on detail 8/SB.3.1 then relocate the 1/2" thick plates at column web to their designed locations per 13/SB.3.2 and/or 14/SB.3.2 ... Tejas, Crosby Group

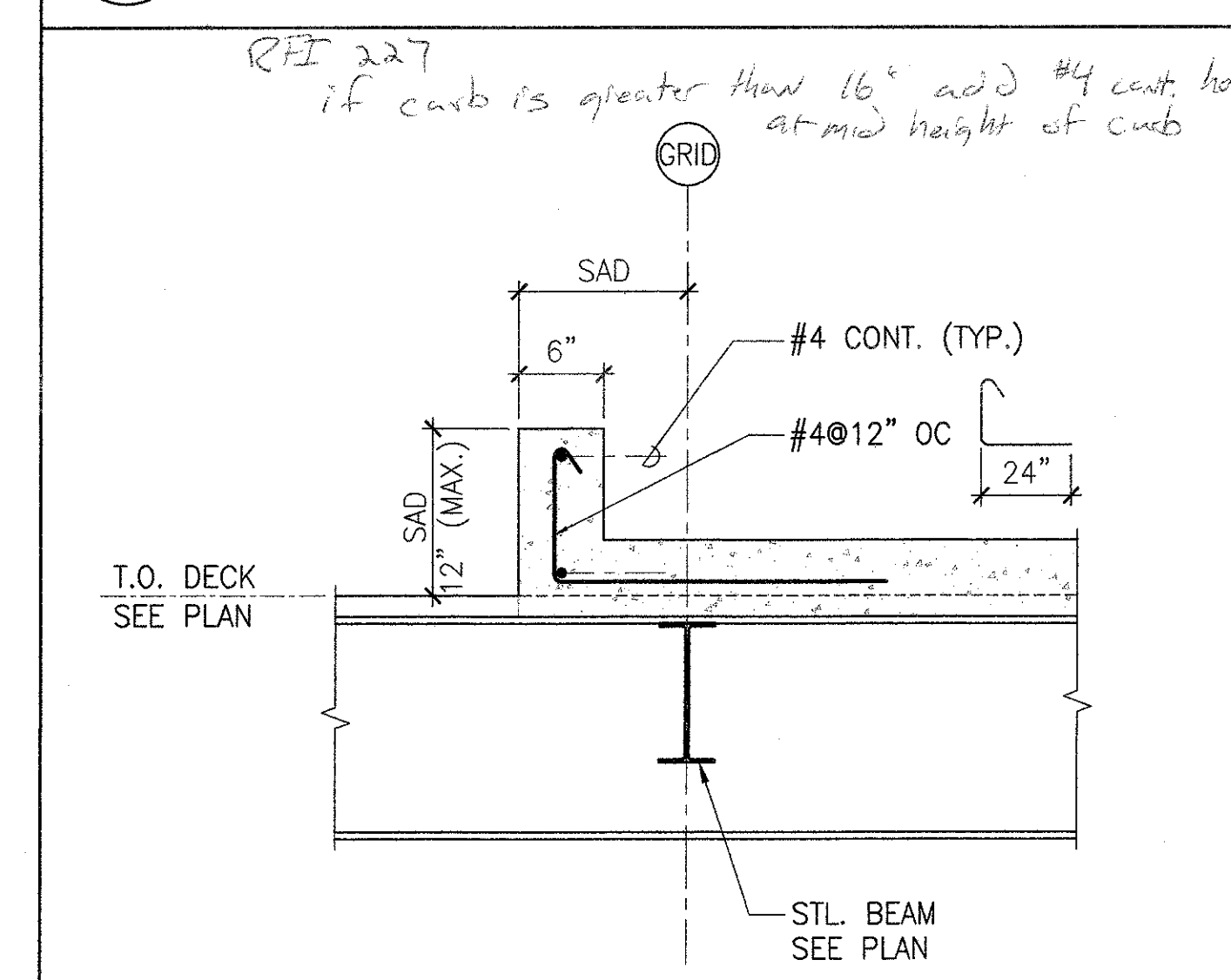
Answer
 See comments from Tejas, Crosby Group. The skewed conditions should not affect stud framing.
 R. Salk

Date Answered: 12/12/2005

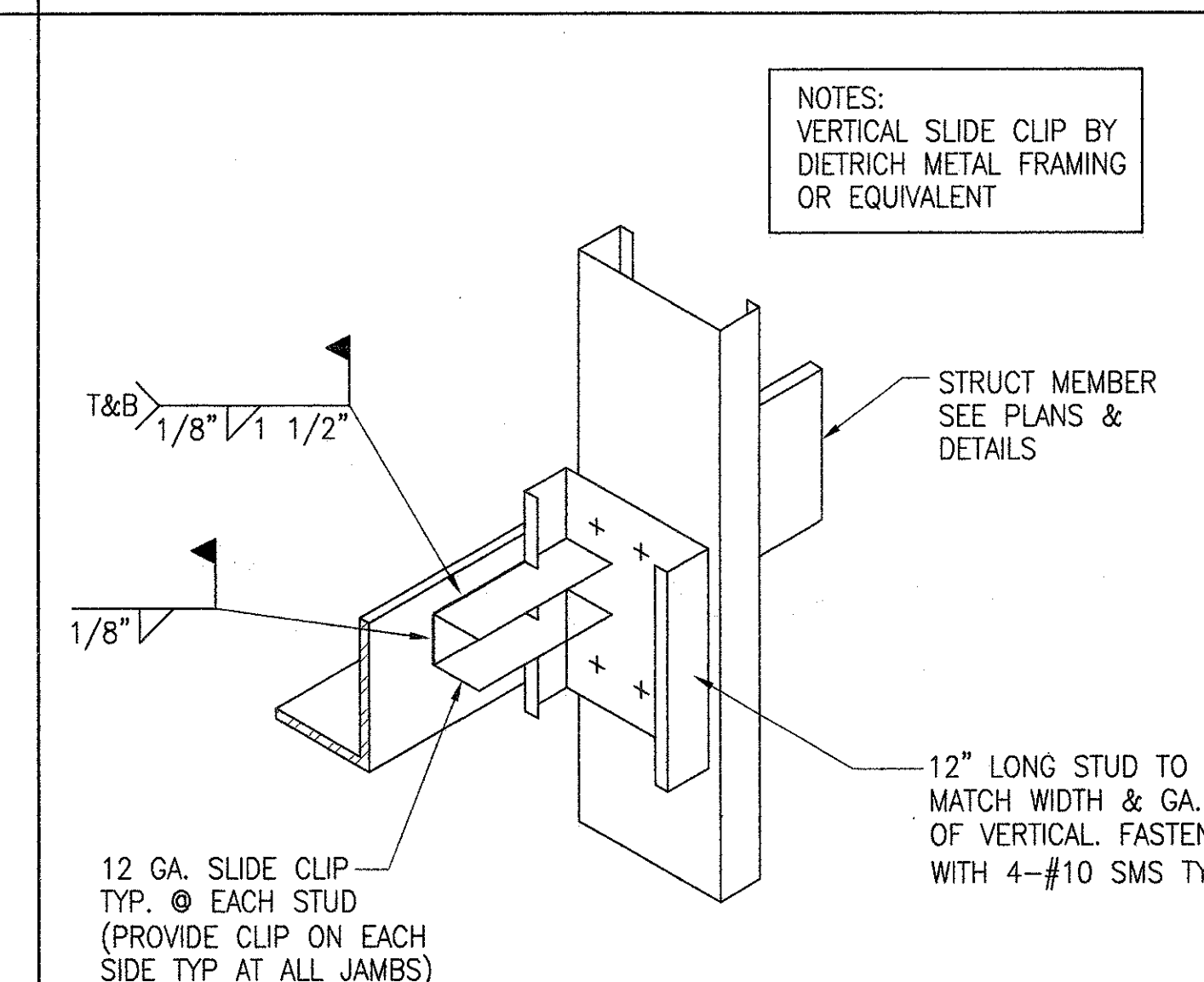




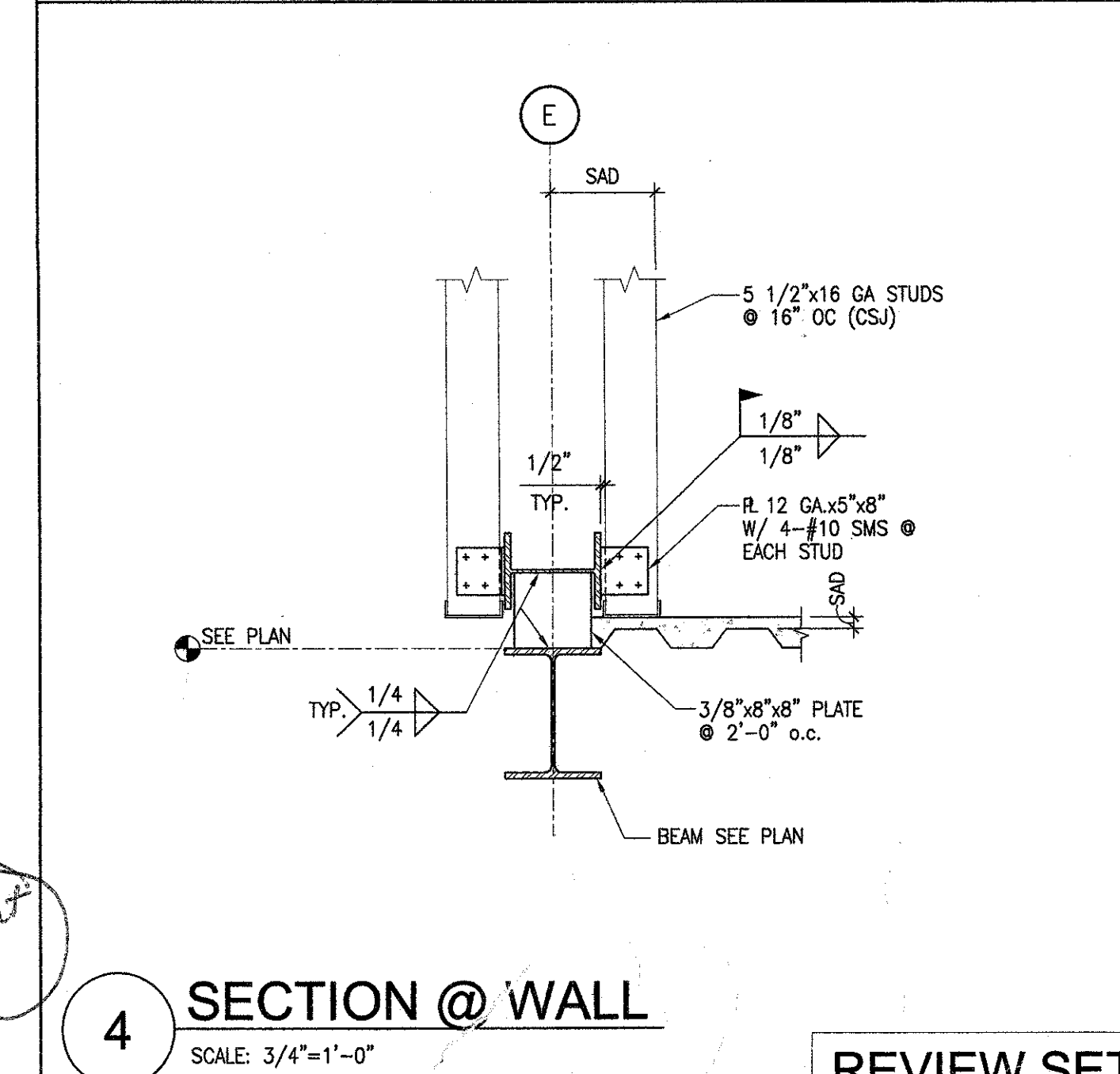
1 BEAM TO COLUMN CONNECTION
 SCALE: 1"=1'-0"



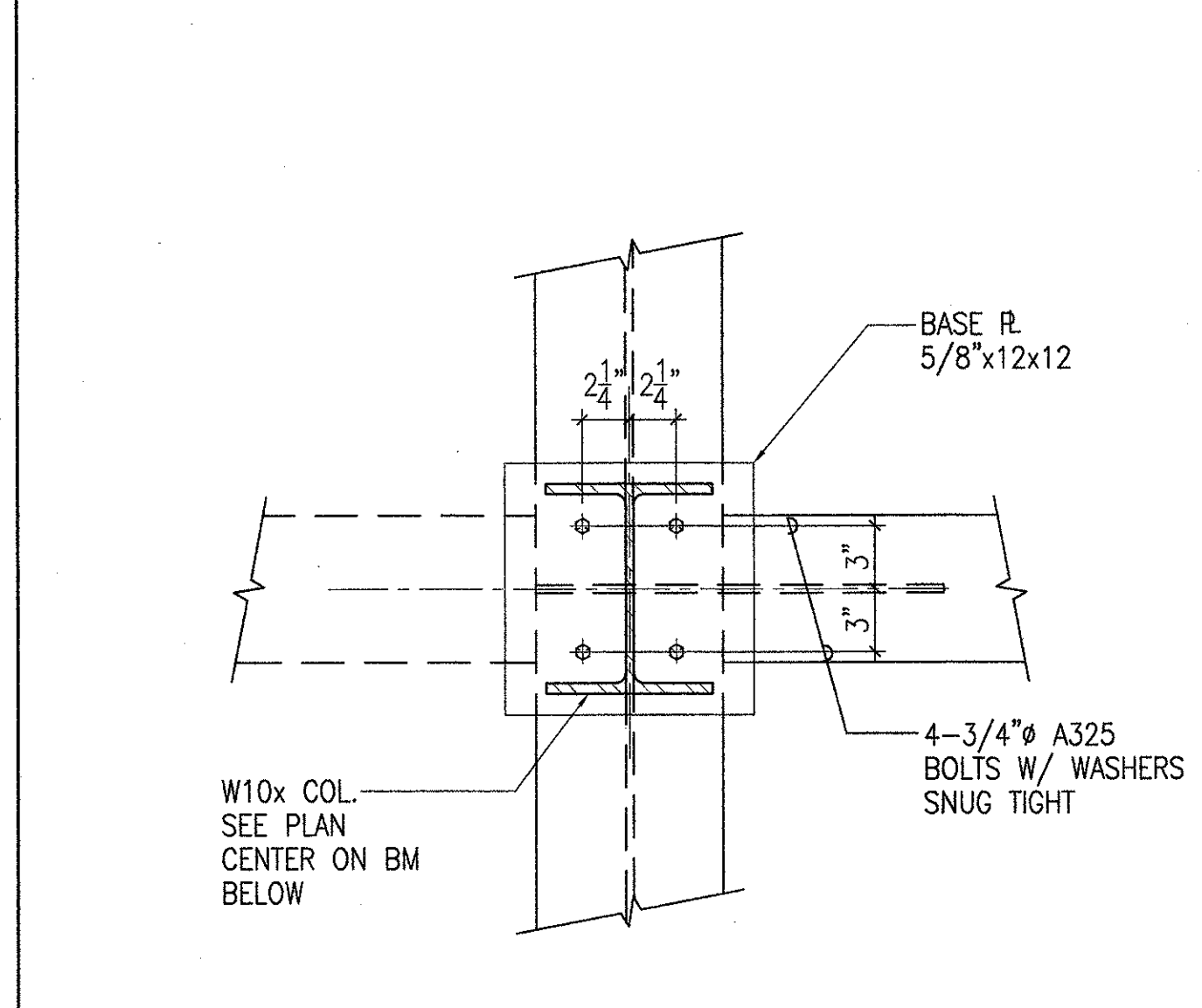
2 SECTION AT PENTHOUSE CURB
 SCALE: 1"=1'-0"



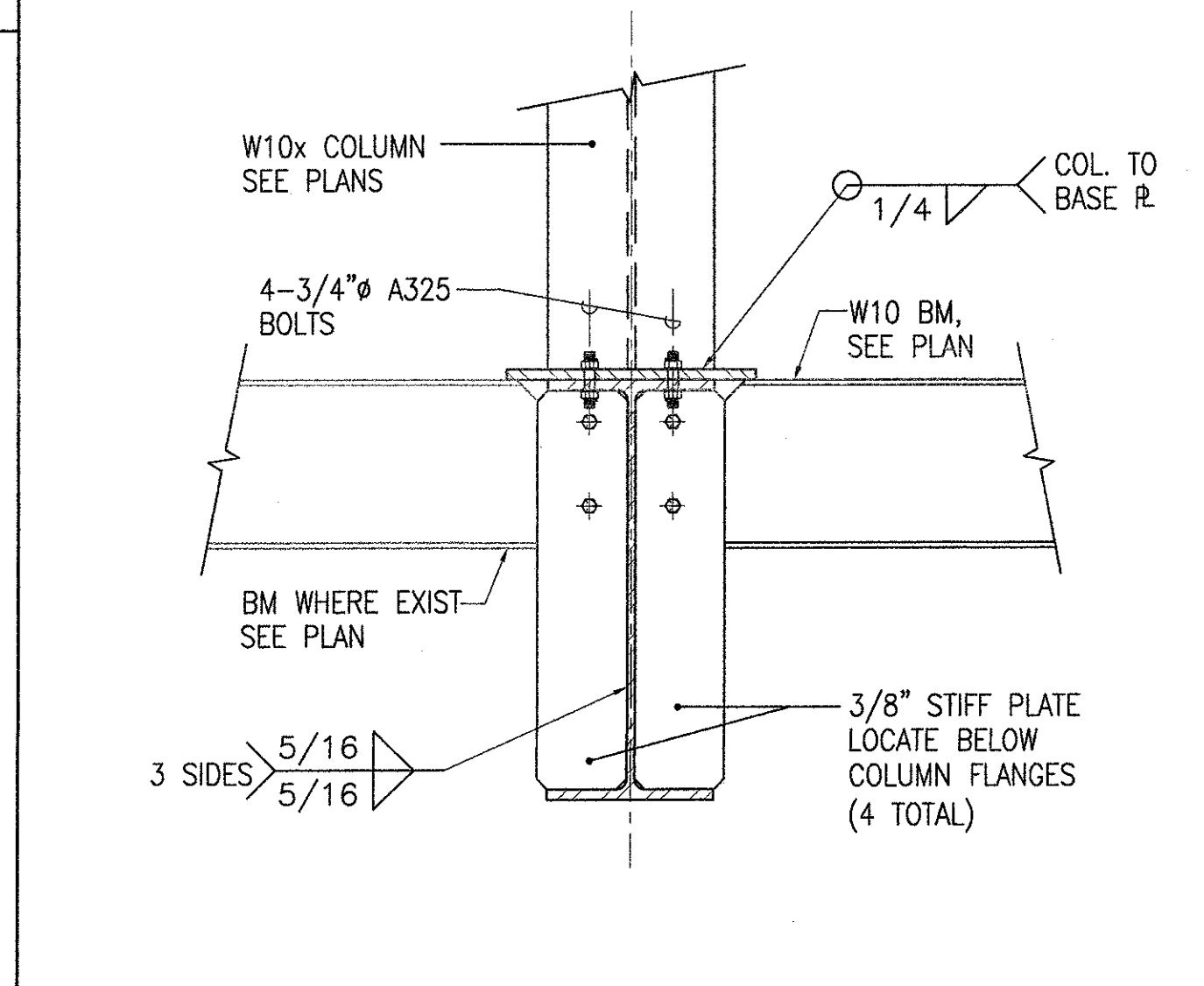
3 SLIDE CLIP DETAIL
 SCALE: NONE



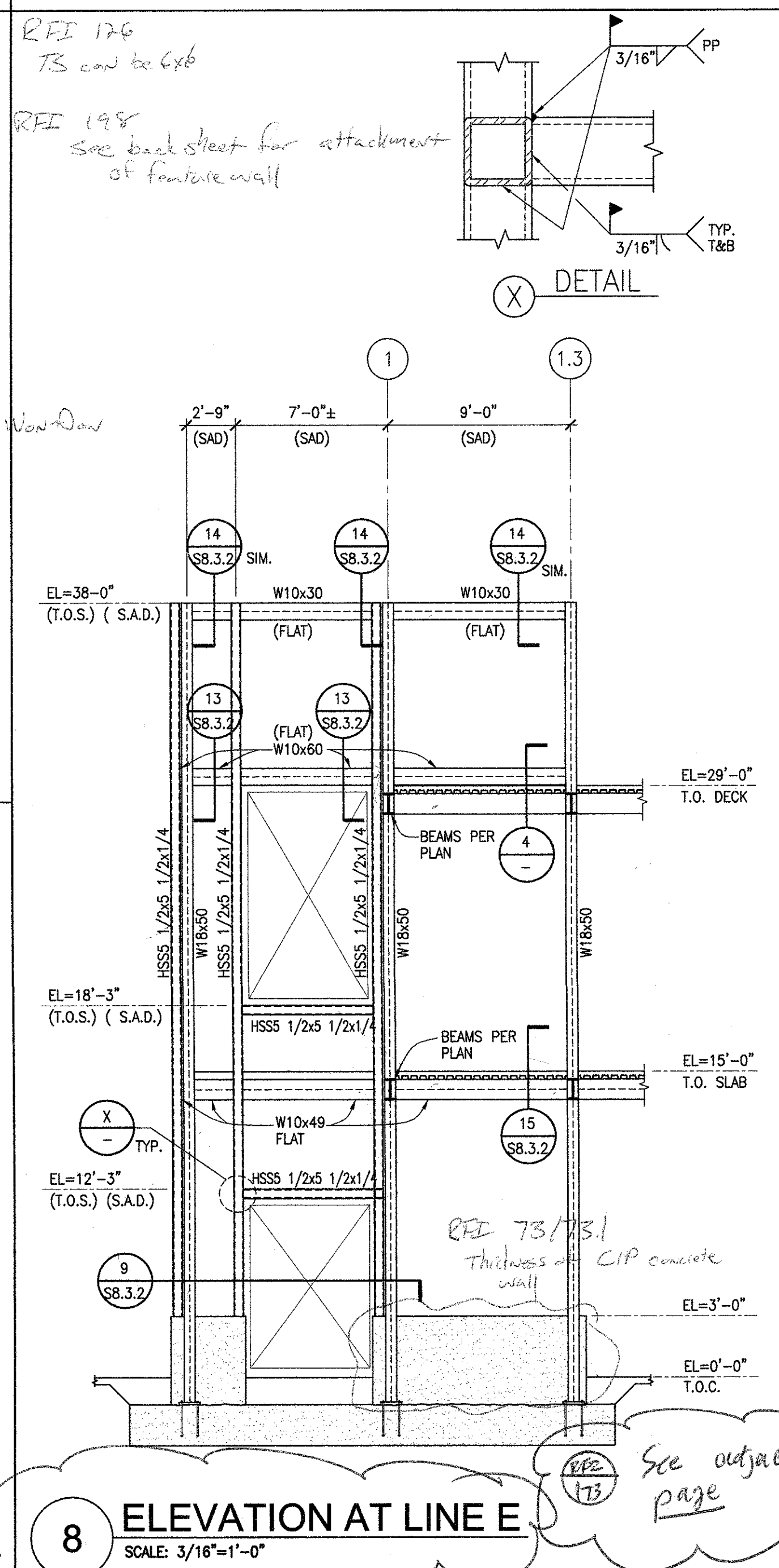
4 SECTION @ WALL
 SCALE: 3/4"=1'-0"



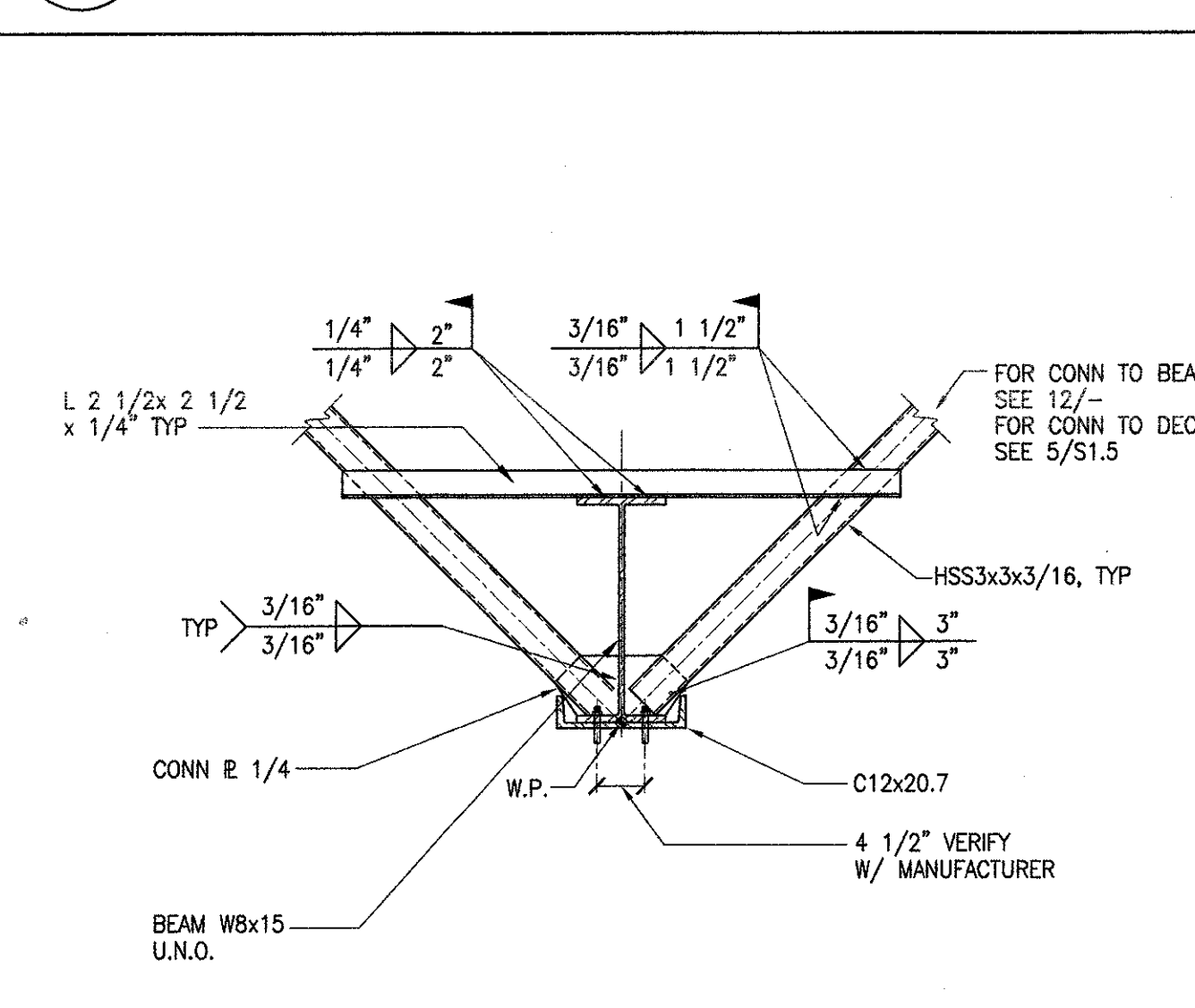
6 SECTION AT TRANSFER BEAM
 SCALE: NONE



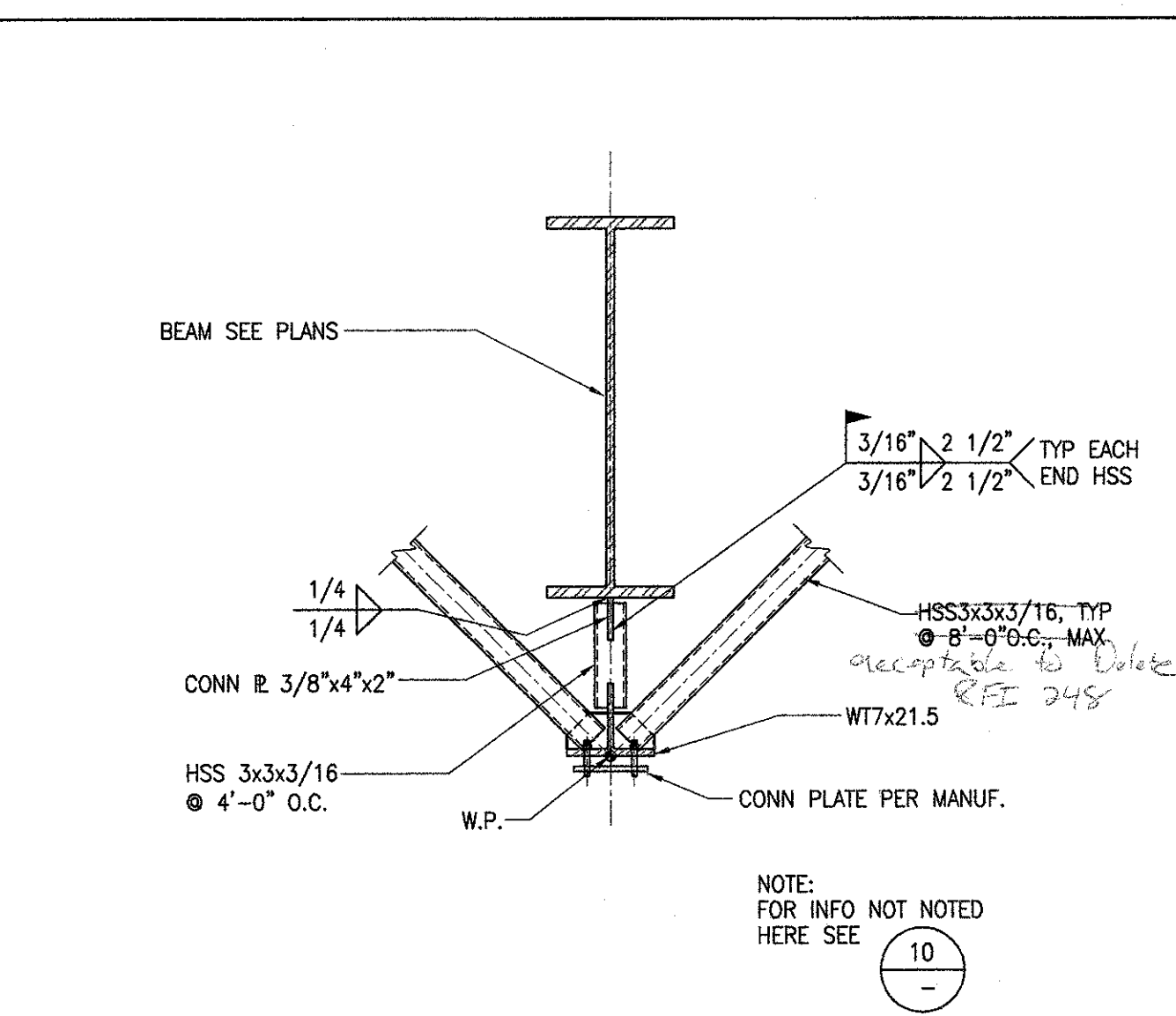
8 ELEVATION AT LINE E
 SCALE: 3/16"=1'-0"



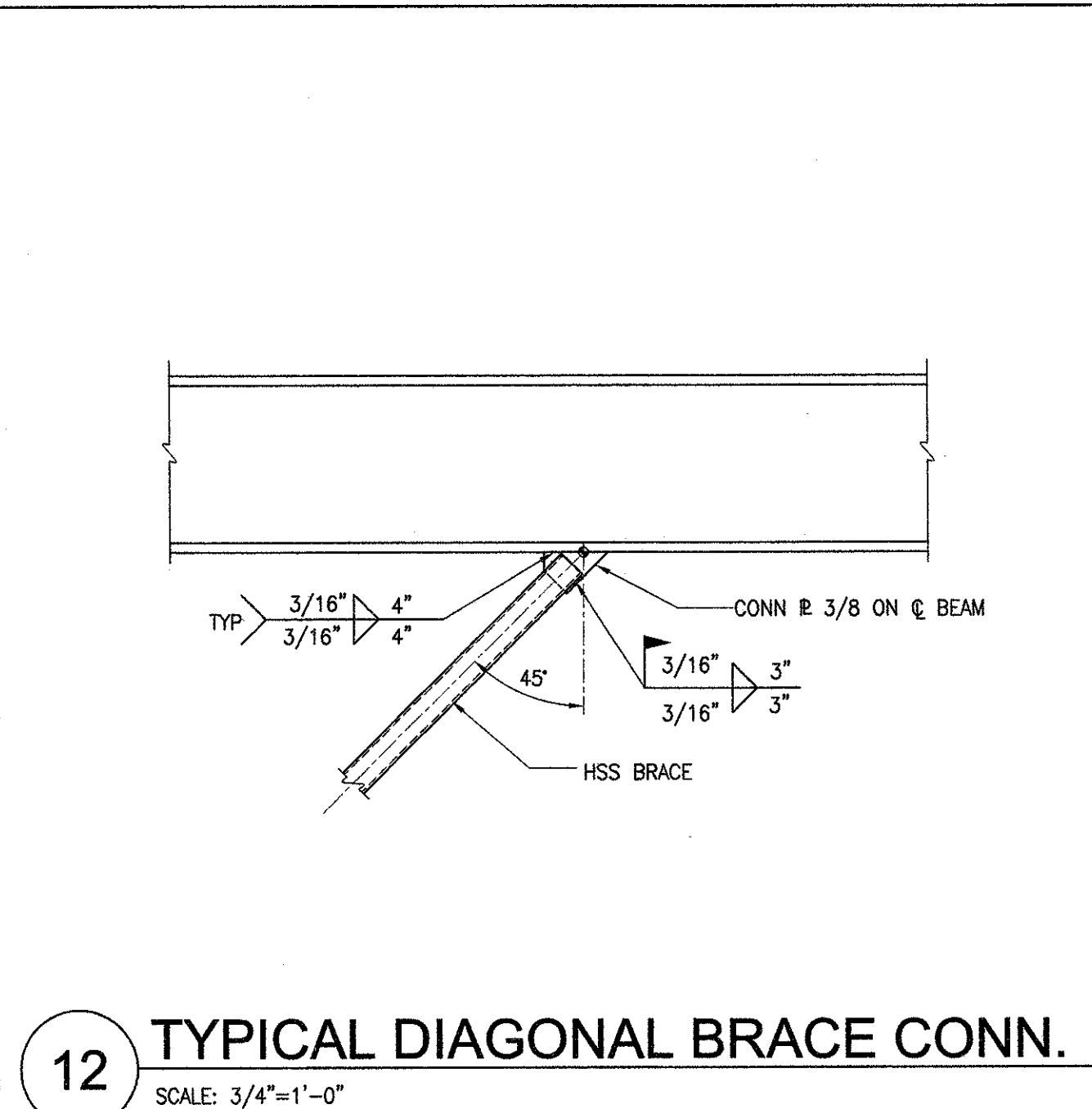
9 SECTION @ BRACED FRAME
 SCALE: 3/4"=1'-0"



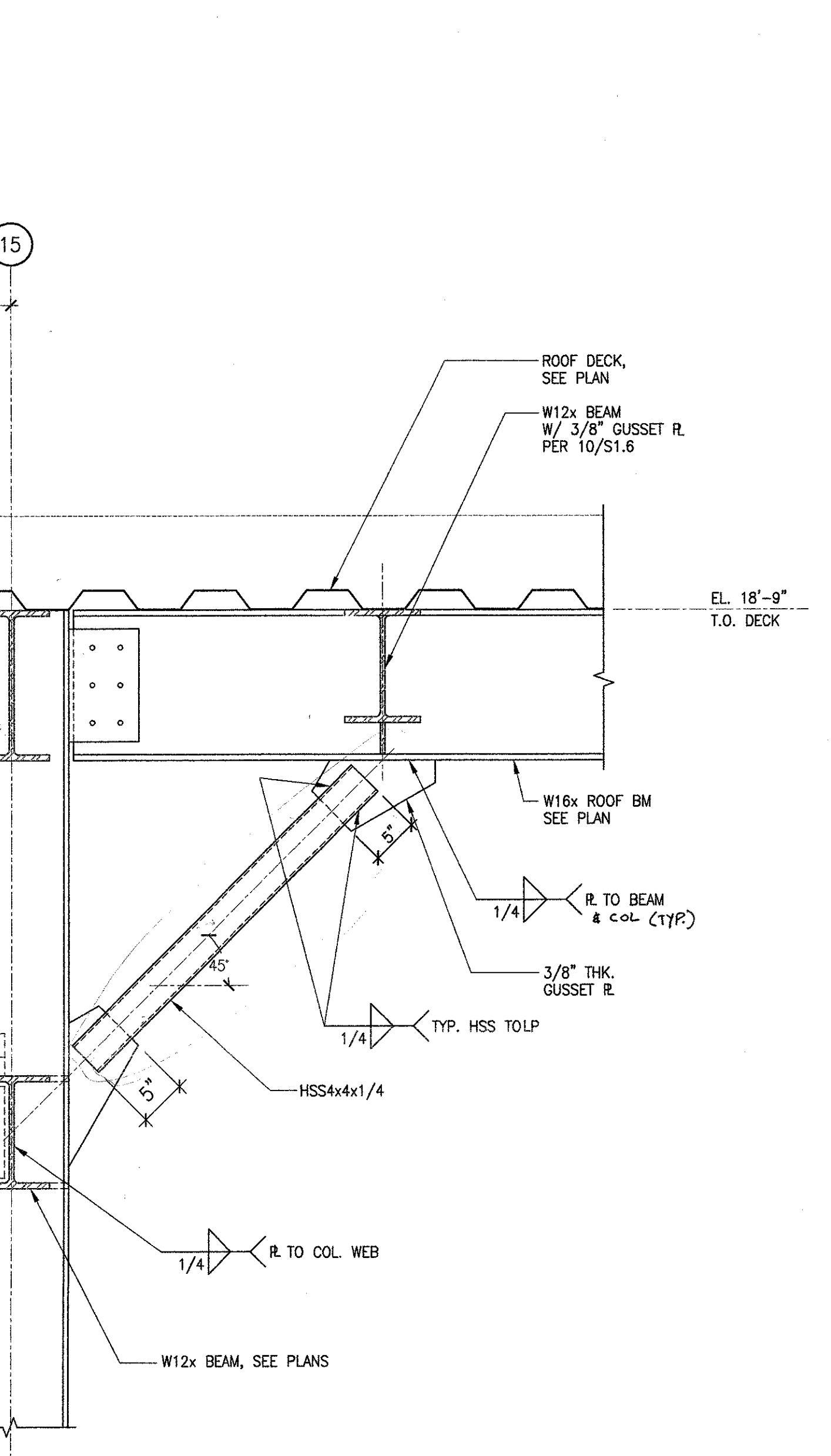
10 SECTION @ FOLDING PARTITION HEAD
 SCALE: 3/4"=1'-0"



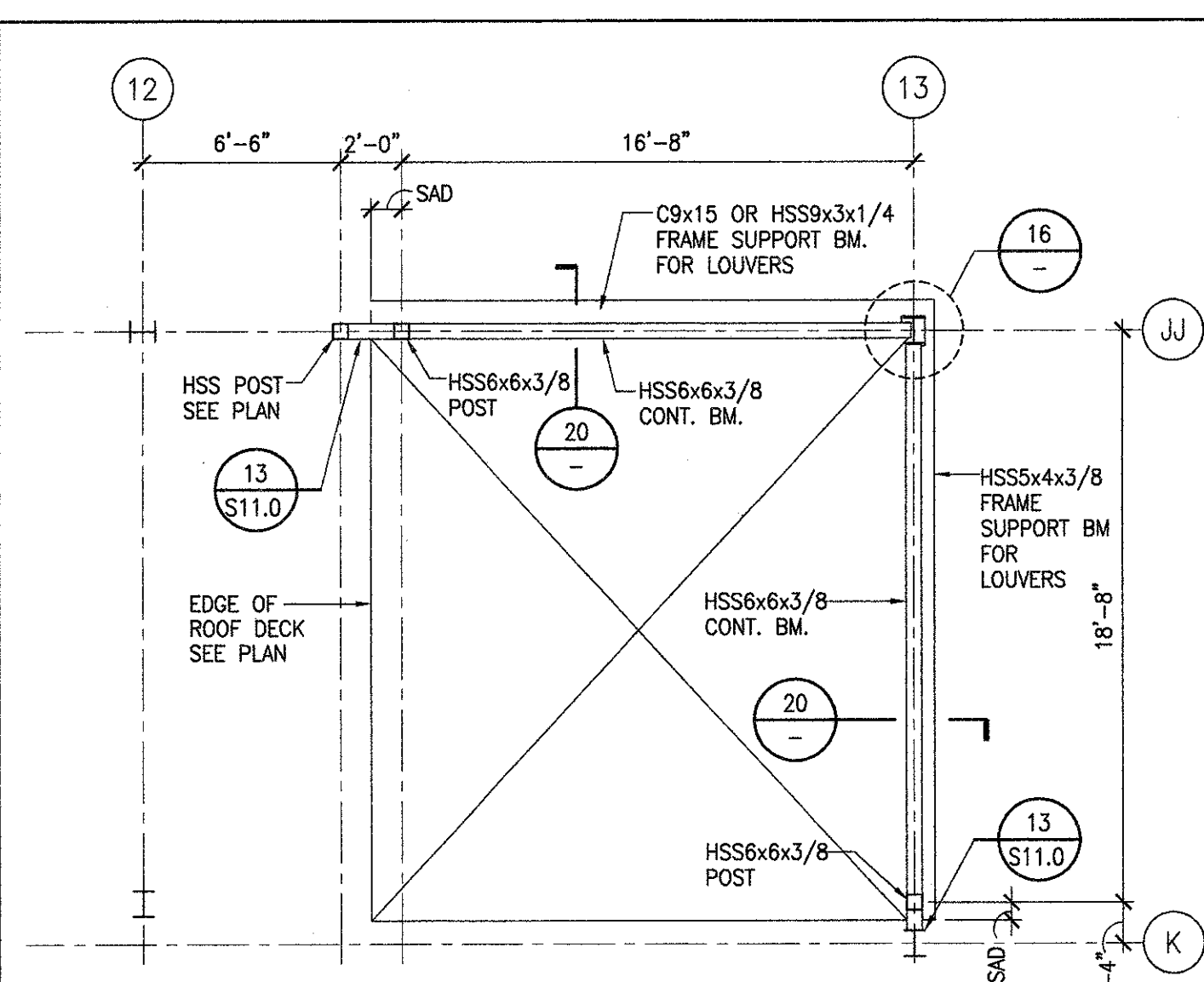
11 SECTION @ FOLDING PARTITION HEAD
 SCALE: 3/4"=1'-0"



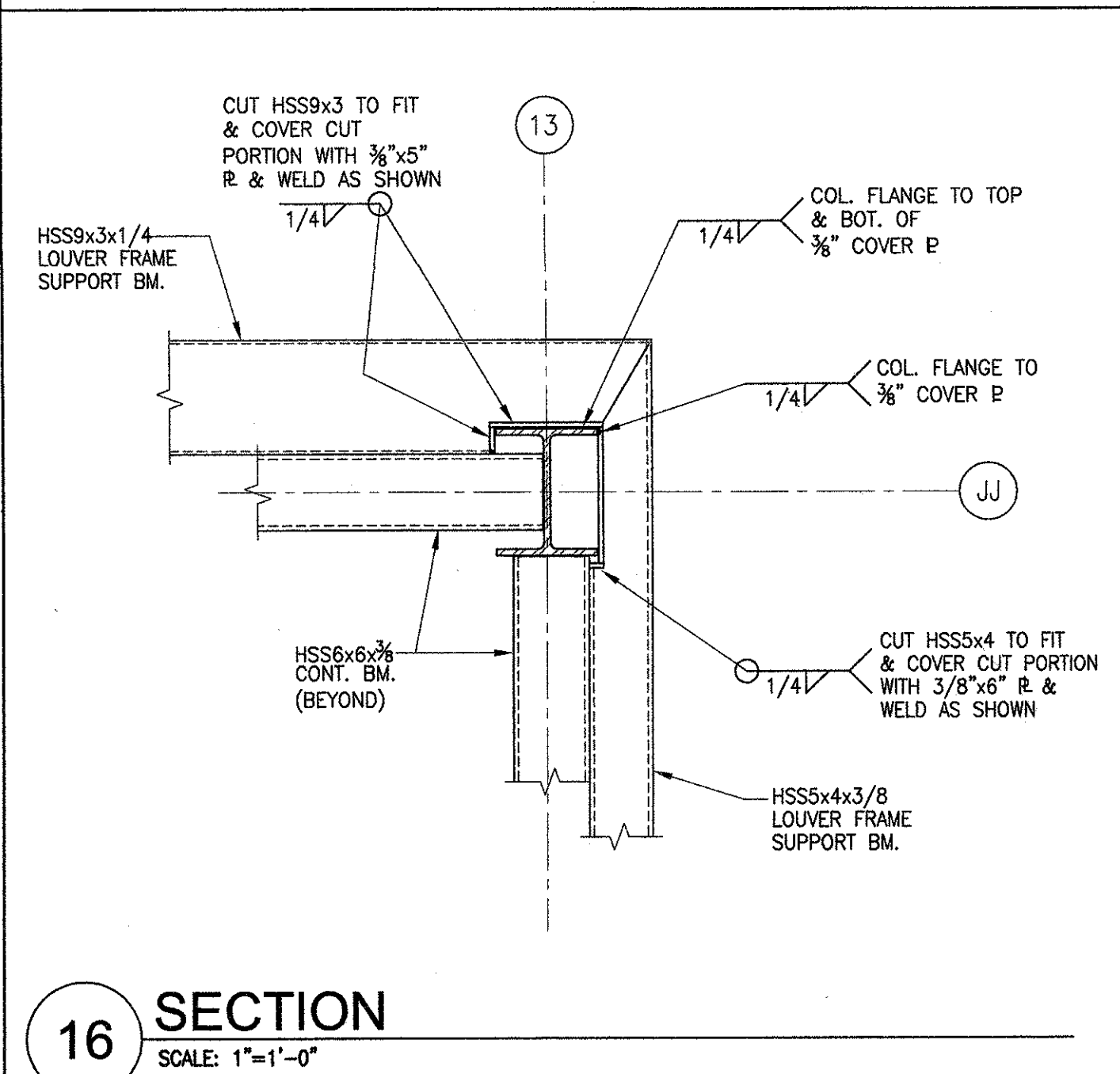
12 TYPICAL DIAGONAL BRACE CONN.
 SCALE: 3/4"=1'-0"



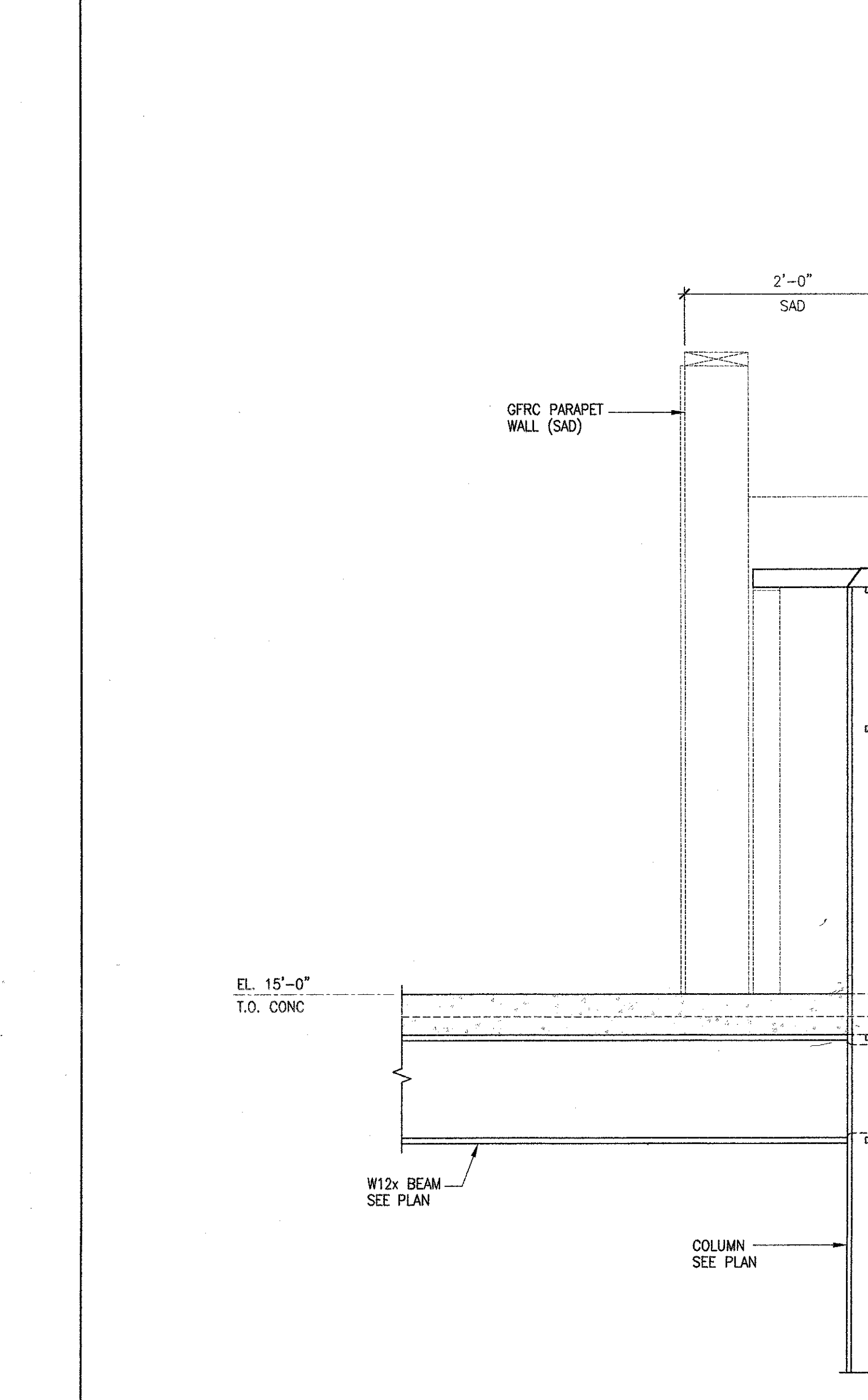
13 SECTION AT STAIRS
 SCALE: 1"=1'-0"



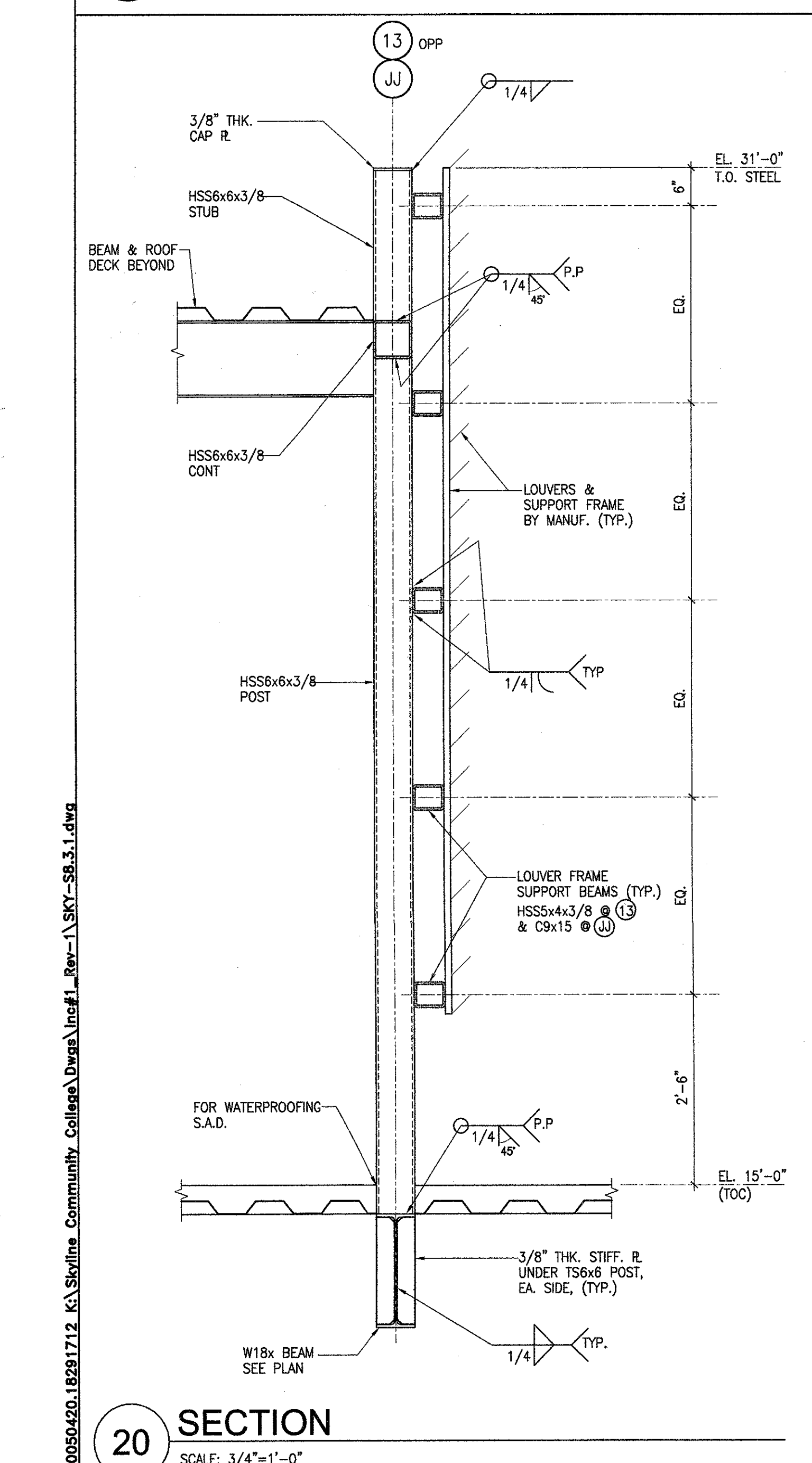
15 PLAN VIEW
 SCALE: 3/16"=1'-0"



16 SECTION
 SCALE: 1"=1'-0"



18 SECTION AT STAIRS
 SCALE: 1"=1'-0"



20 SECTION
 SCALE: 3/4"=1'-0"

Question: 12-17-05 LK

Please Reference Increment 1 Drawing S8.3.2, and Increment 2 DSA Stamped Drawing AA2.01 thru AA2.31

On Detail 6 of S8.3.2 there are structural steel members shown to provide a walk way from Science Annex Building 7A to Existing Building 7. There is also a noted that states: 3'-0" (max.) SAD.

Referencing the architectural drawing the only information provided is that the passage way is to be 6'-6" wide as stated on AA2.01 and AA2.02.

- 1) What is the location in respect to gridline A on all floors.
- 2) How far does this walk way extend toward Existing Building 7? Structuralists state a MAX not actual dimension.
- 3) What provision are needed to maintain 2 hour rating between buildings?
- 4) Is there a door on the building 7A side of the fire rating joint? If so please provide door type, quantity, and jamb/header details.

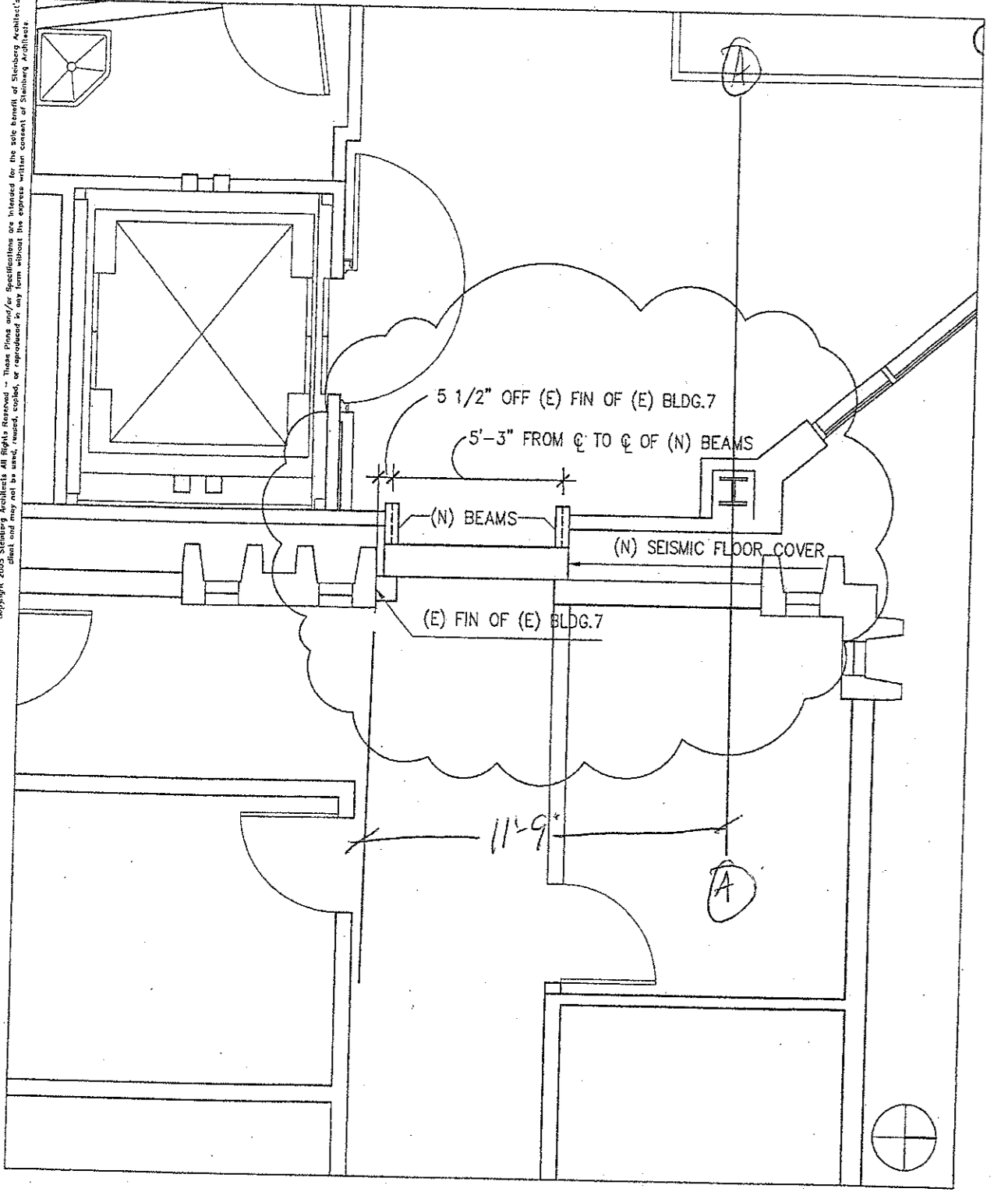
Consultant Comments:

Answer: Date Answered: 11/8/2005

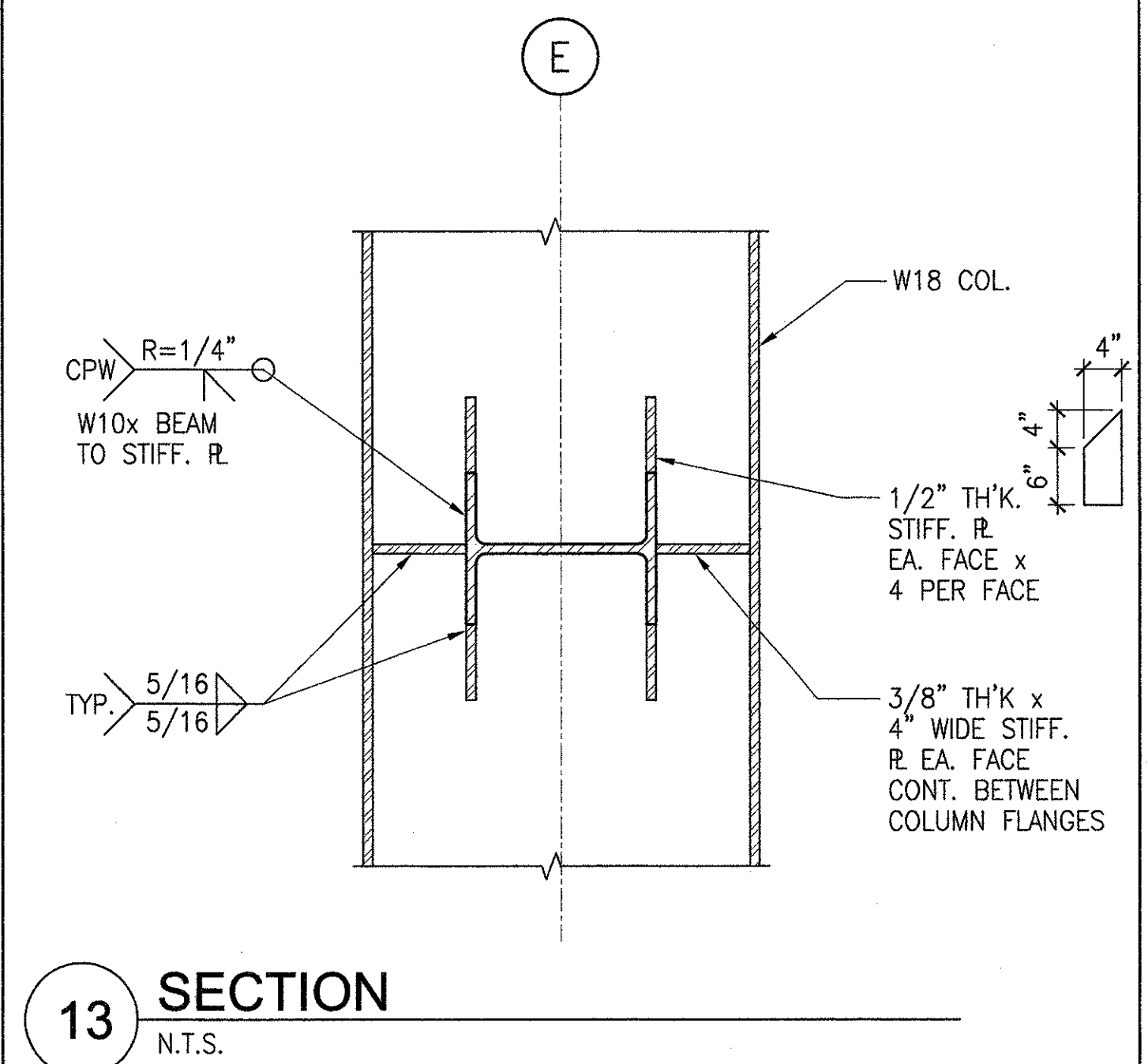
- 1. See attached linked file. The dimension for locating the two beams for the "bridge" must be determined by the existing location of the fin at building 7 due to the new layout of walls for rooms in the building. The new 2 hour door that will separate the two buildings also affect the opening location. We will follow with an ASI to clarify the conditions.
- 2. The walkway edge of deck extends to Bldg 7 and must stop 3" clear of Bldg 7 to allow for seismic movement and the seismic joint. The joint may be required to be installed with Bldg 7 modernization work since a connection to an opening in Bldg 7 is required to install the joint. The beams are 5' 3" center to center. The edge of the deck and shaft walls in the ENW direction connection the two bldgs is 2' 1/2" beyond the center line of the beams.
- 3. 2 hour shaft wall systems is required to maintain the 2 hour rating. The seismic joints specified should have a 2 hour rating where the 3" seismic separation for movement is required. Details will follow.
- 4. Although not show in the bridging documents, a 2 hr door will be required. Details will follow. Proposed wall locations in Bldg 7 are affecting the door location and opening width. Verifying the requirements for Bldg 7 must be completed prior to determining the door size and location.

R. Saki

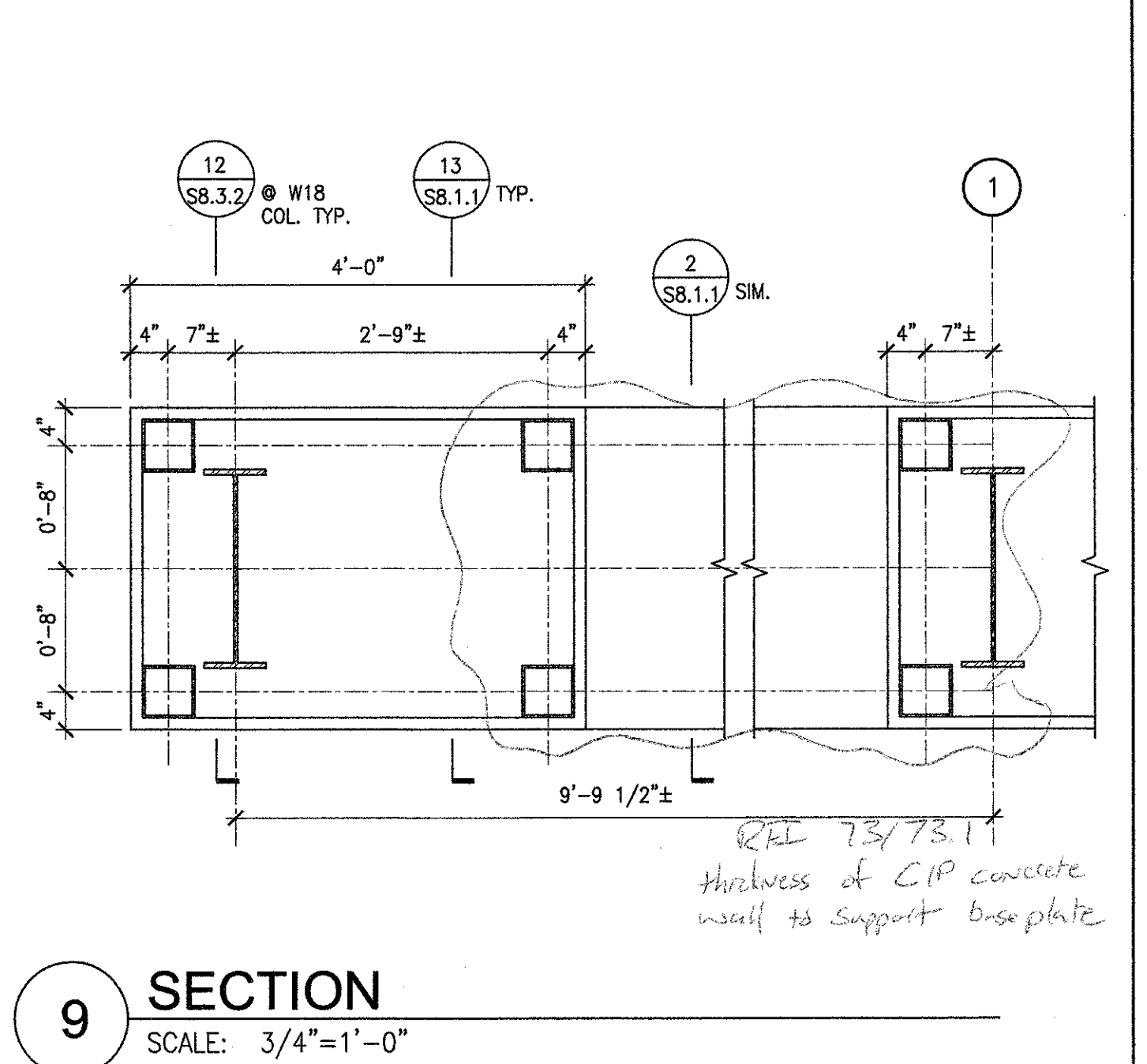
Company Name: Contact Name: Copies: Notes:



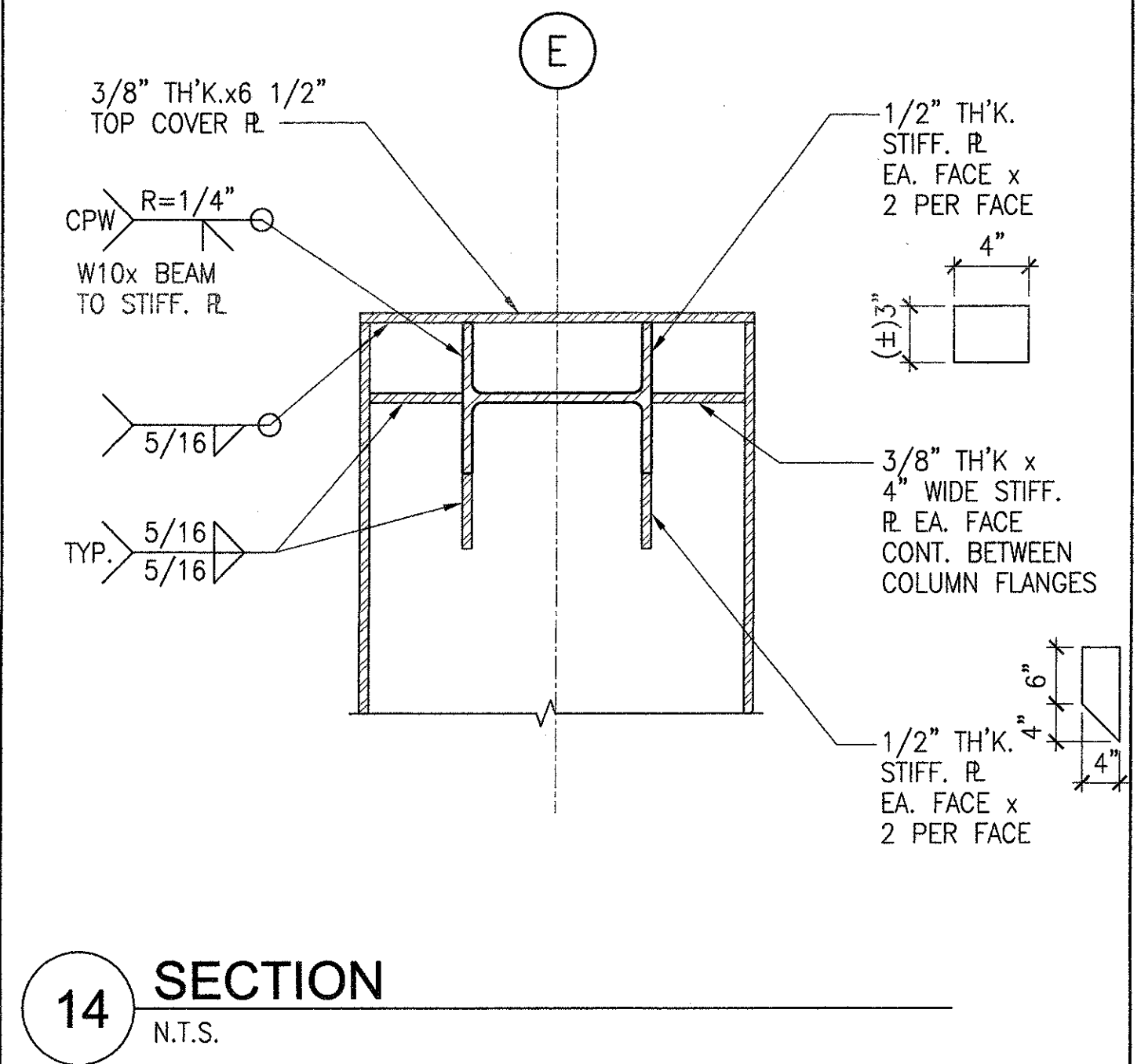
Project: Skyline College	STEINBERG ARCHITECTS
Address: 2000 College Ave., San Jose, CA 95110	Project No: 11-0-05
Client: Skyline College	Scale: 1/4" = 1'-0"
Architect: R. Saki	Date: 11/8/05
Architect's Seal: [Seal]	Plan No: AR1119
	Sheet No: BRIDGE
	Project No: COA20



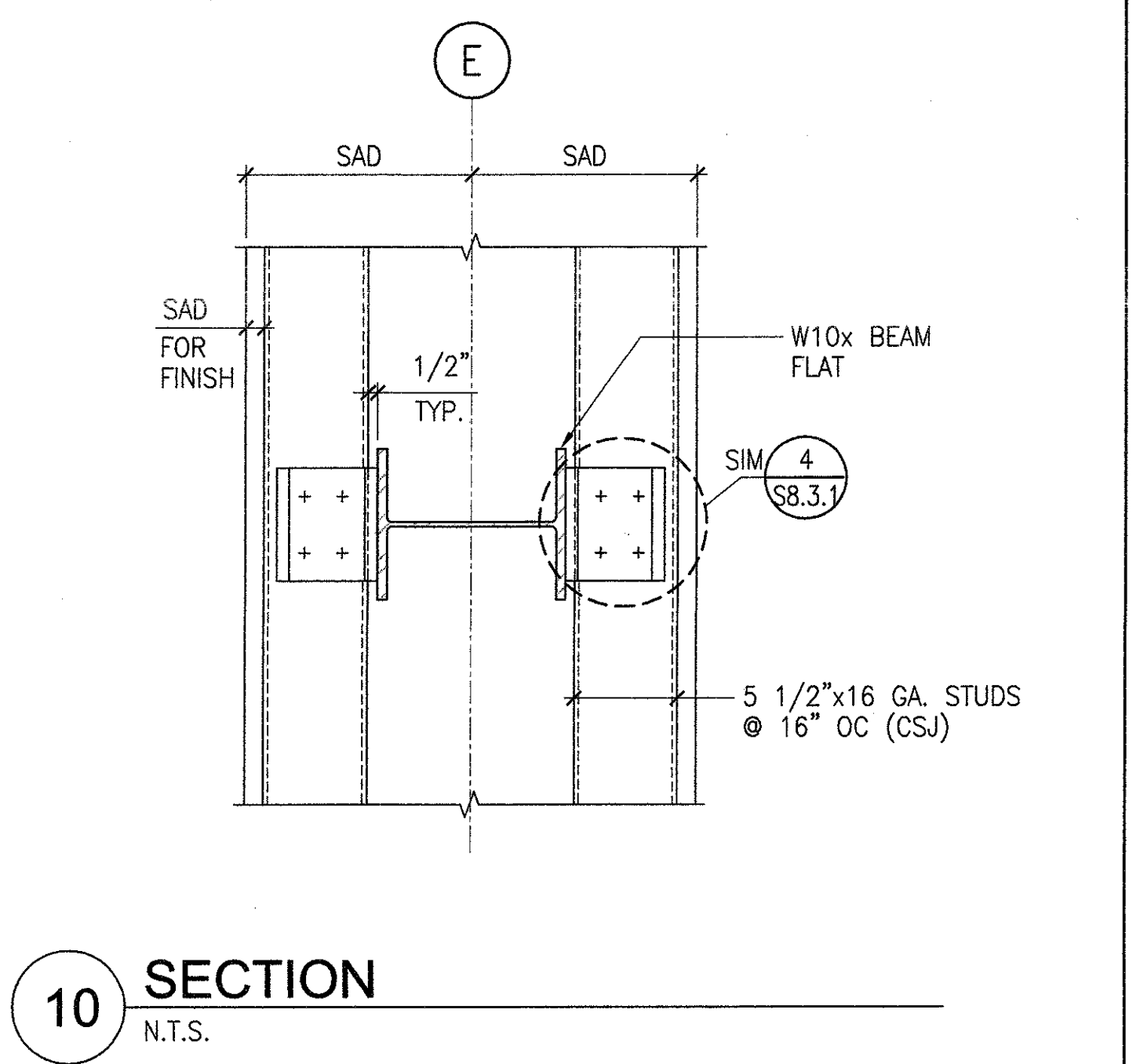
13 SECTION
N.T.S.



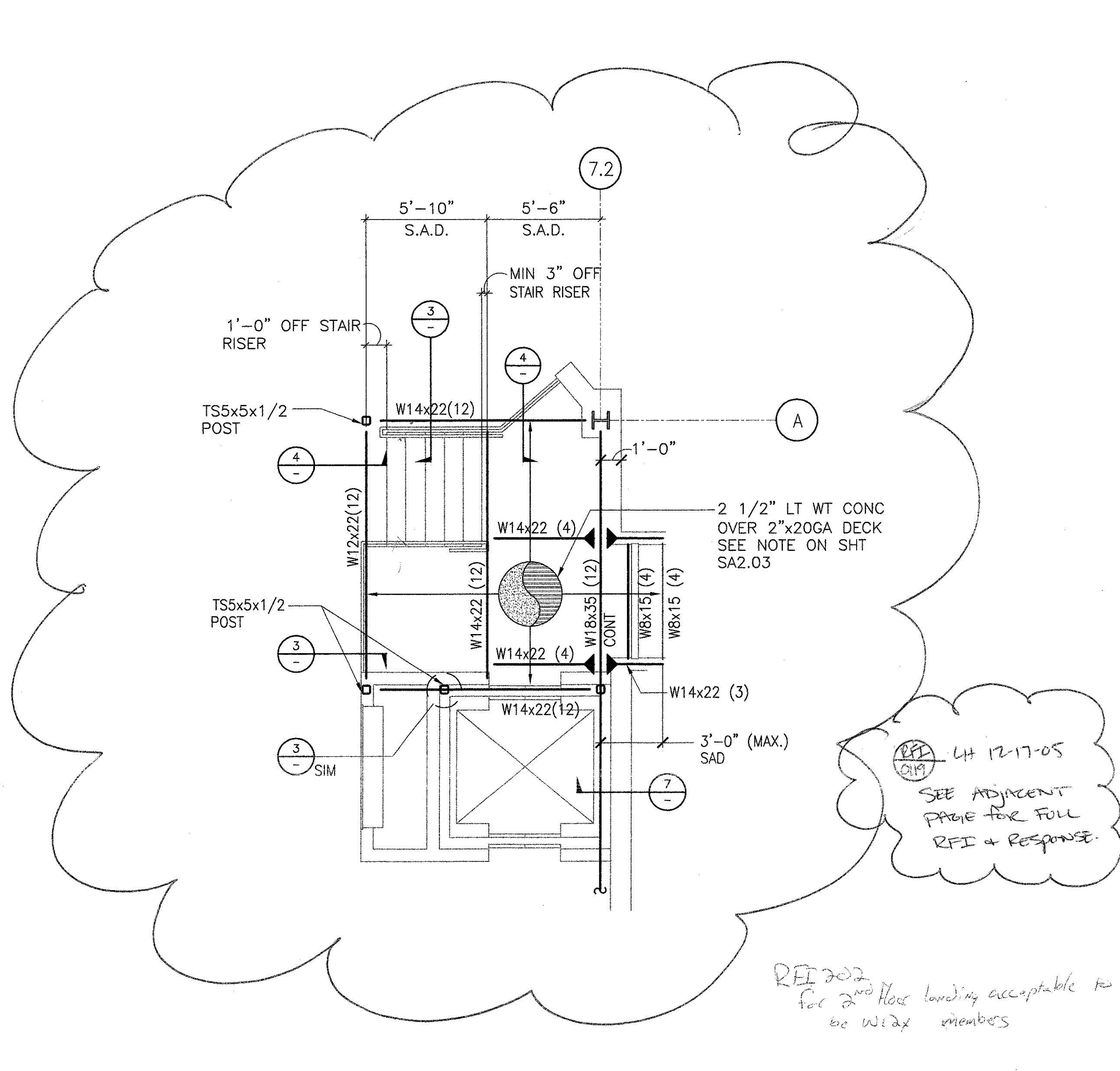
9 SECTION
SCALE: 3/4"=1'-0"



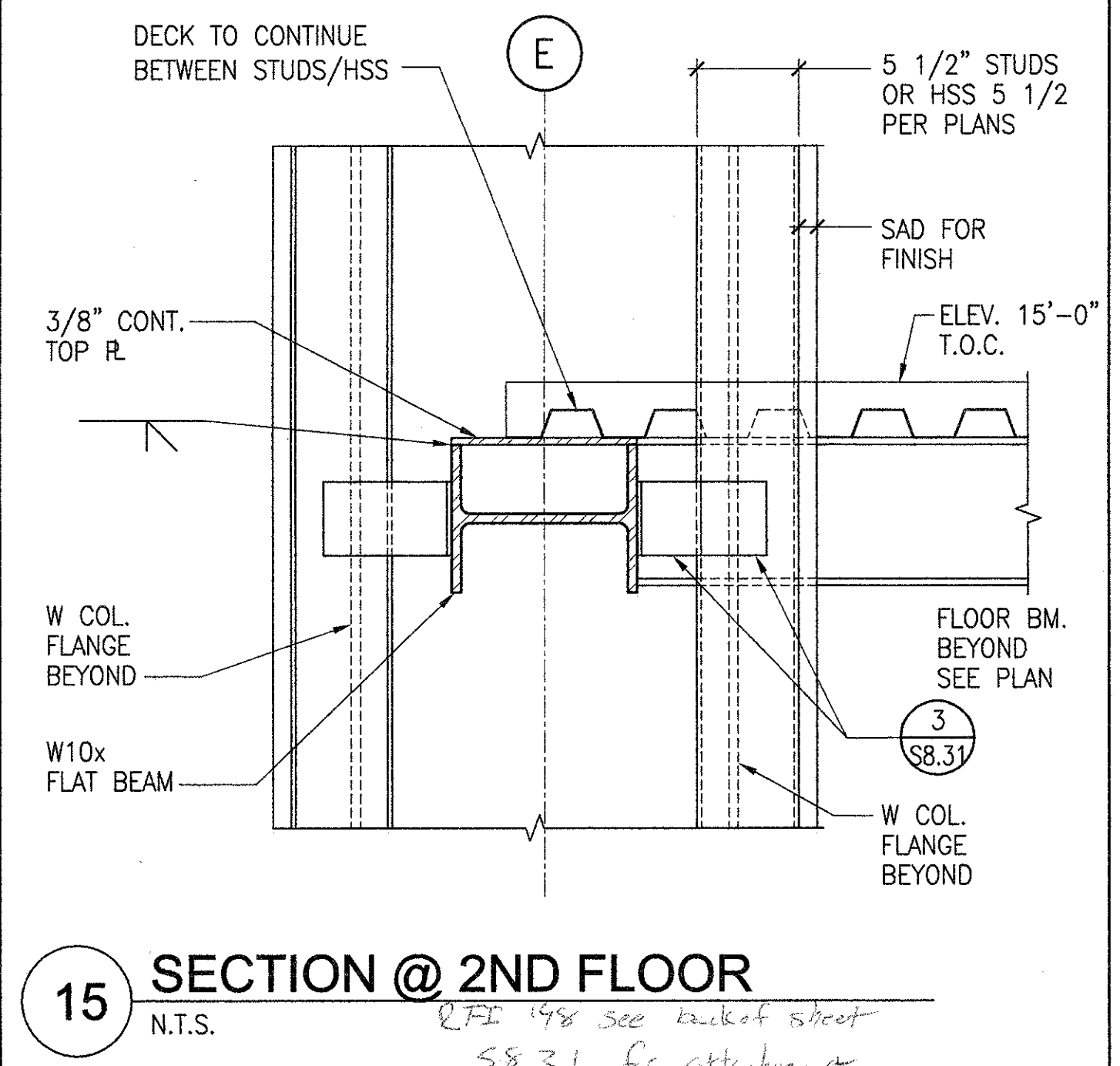
14 SECTION
N.T.S.



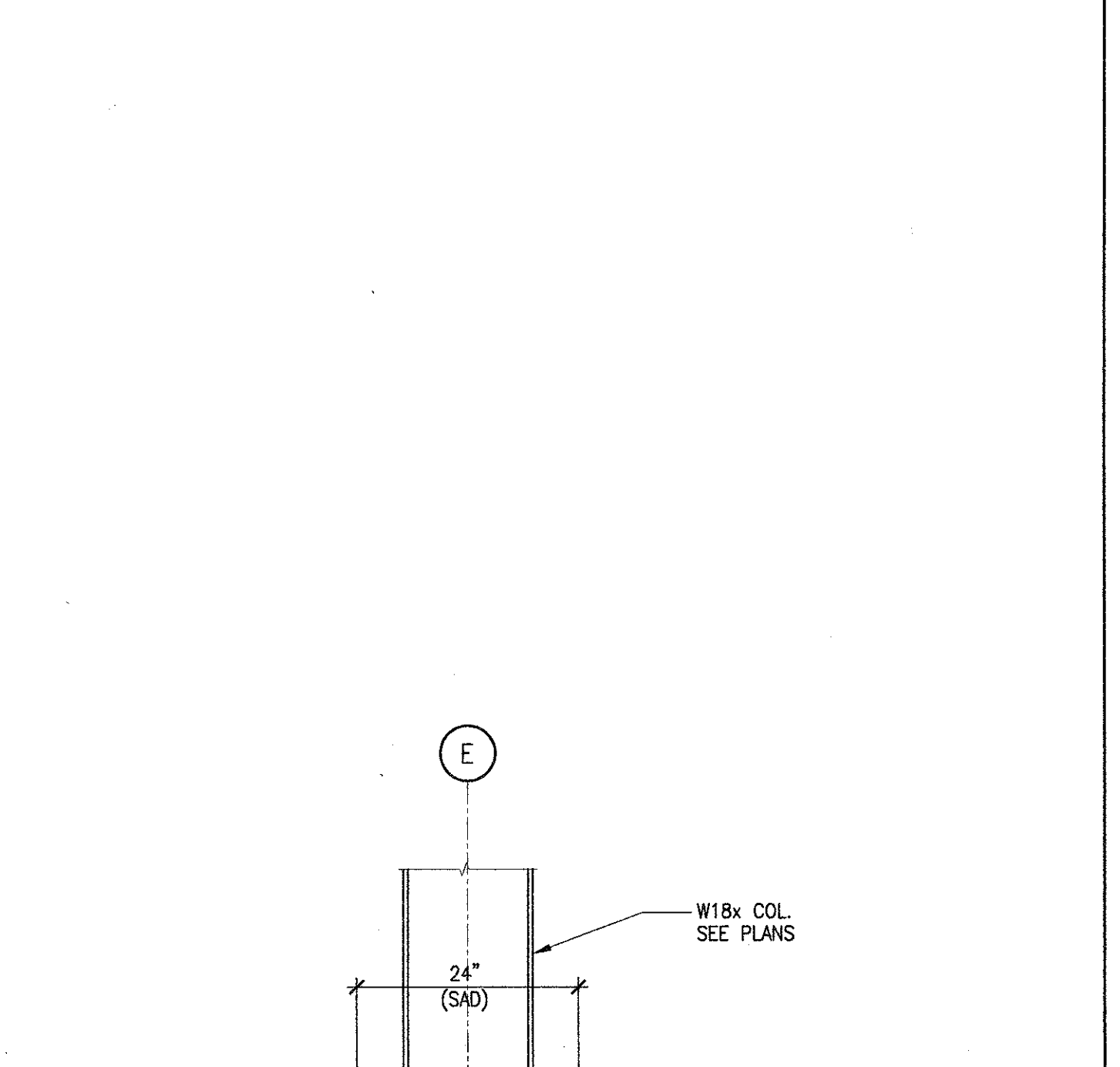
10 SECTION
N.T.S.



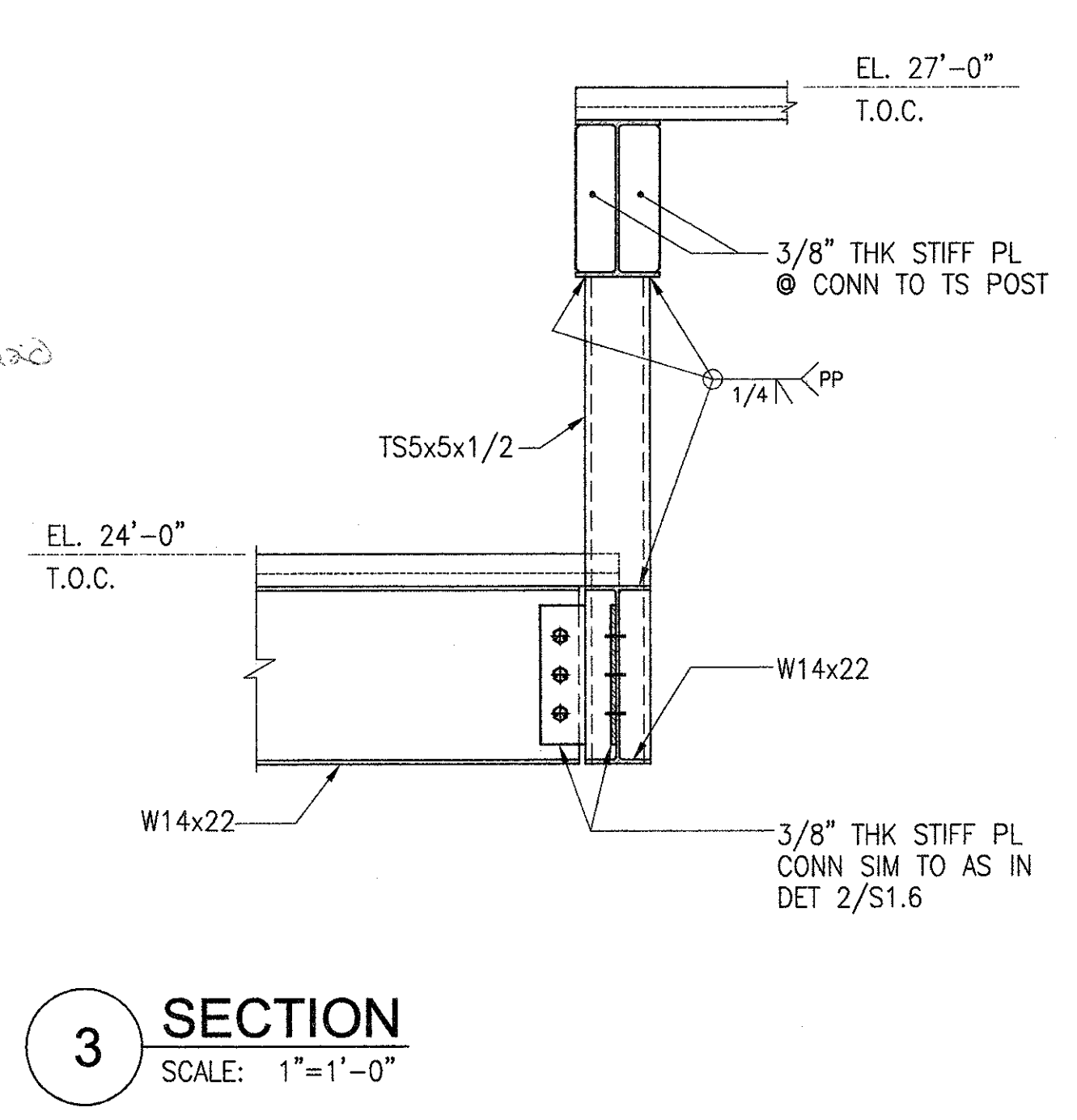
6 PARTIAL FRAMING PLAN @ T.O. SLAB EL. 24'-0"
SCALE: 1/4"=1'-0"



15 SECTION @ 2ND FLOOR
N.T.S.



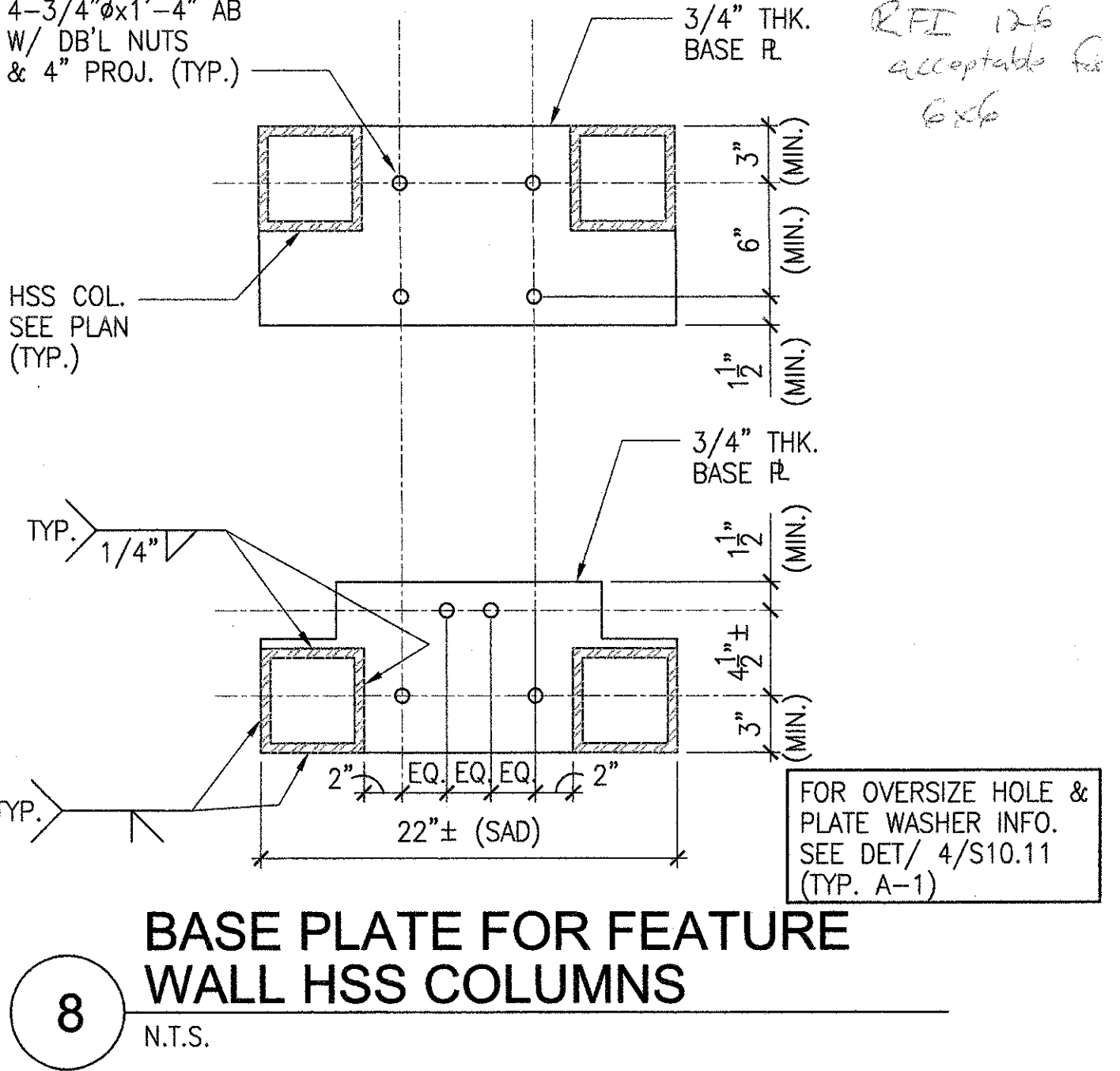
7 SECTION
SCALE: 1"=1'-0"



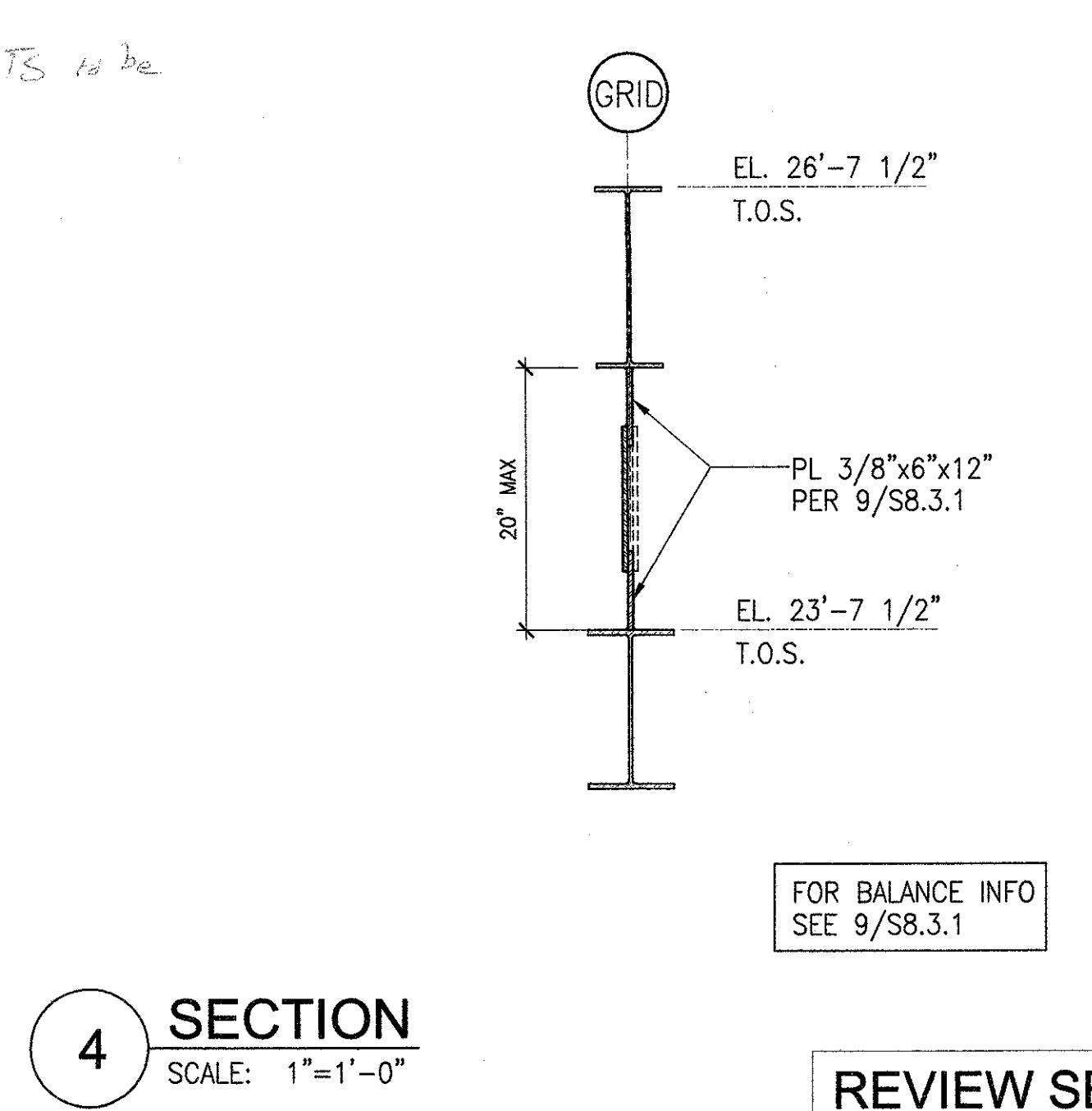
3 SECTION
SCALE: 1"=1'-0"



12 SECTION
SCALE: 3/4"=1'-0"



8 BASE PLATE FOR FEATURE WALL HSS COLUMNS
N.T.S.



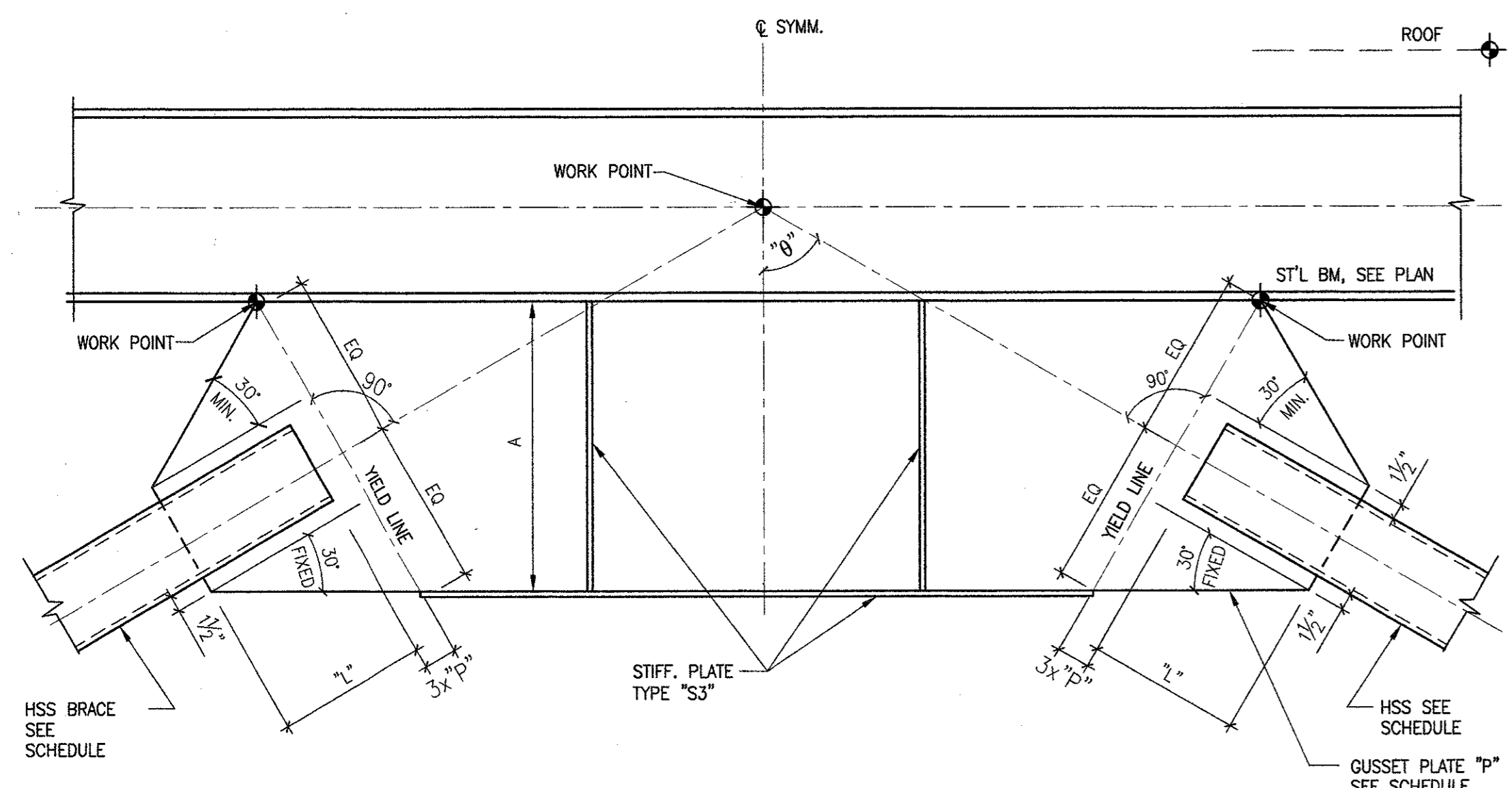
4 SECTION
SCALE: 1"=1'-0"

REVIEW SET

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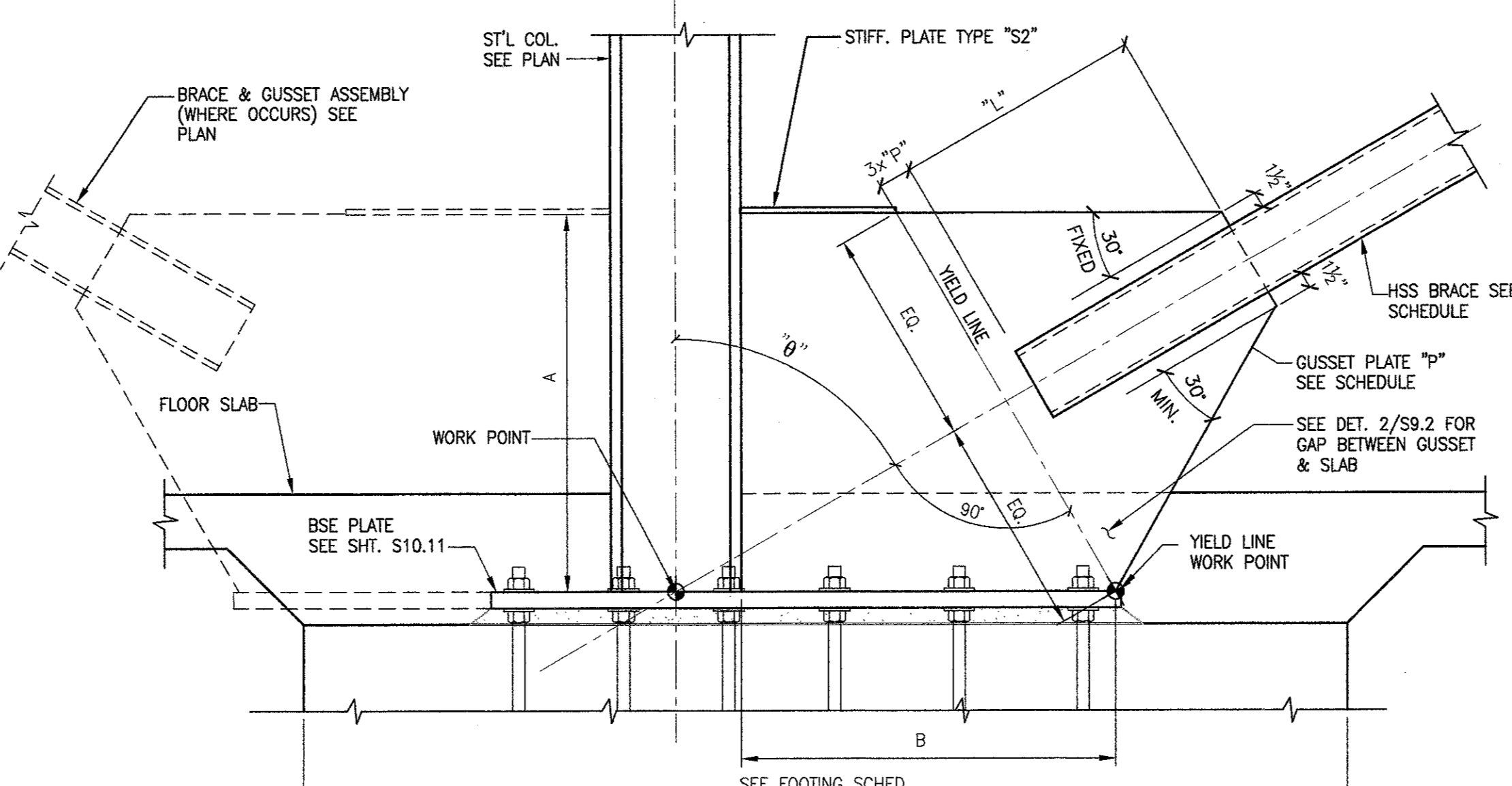
Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

SEE RFI 0028 for 30° Angle



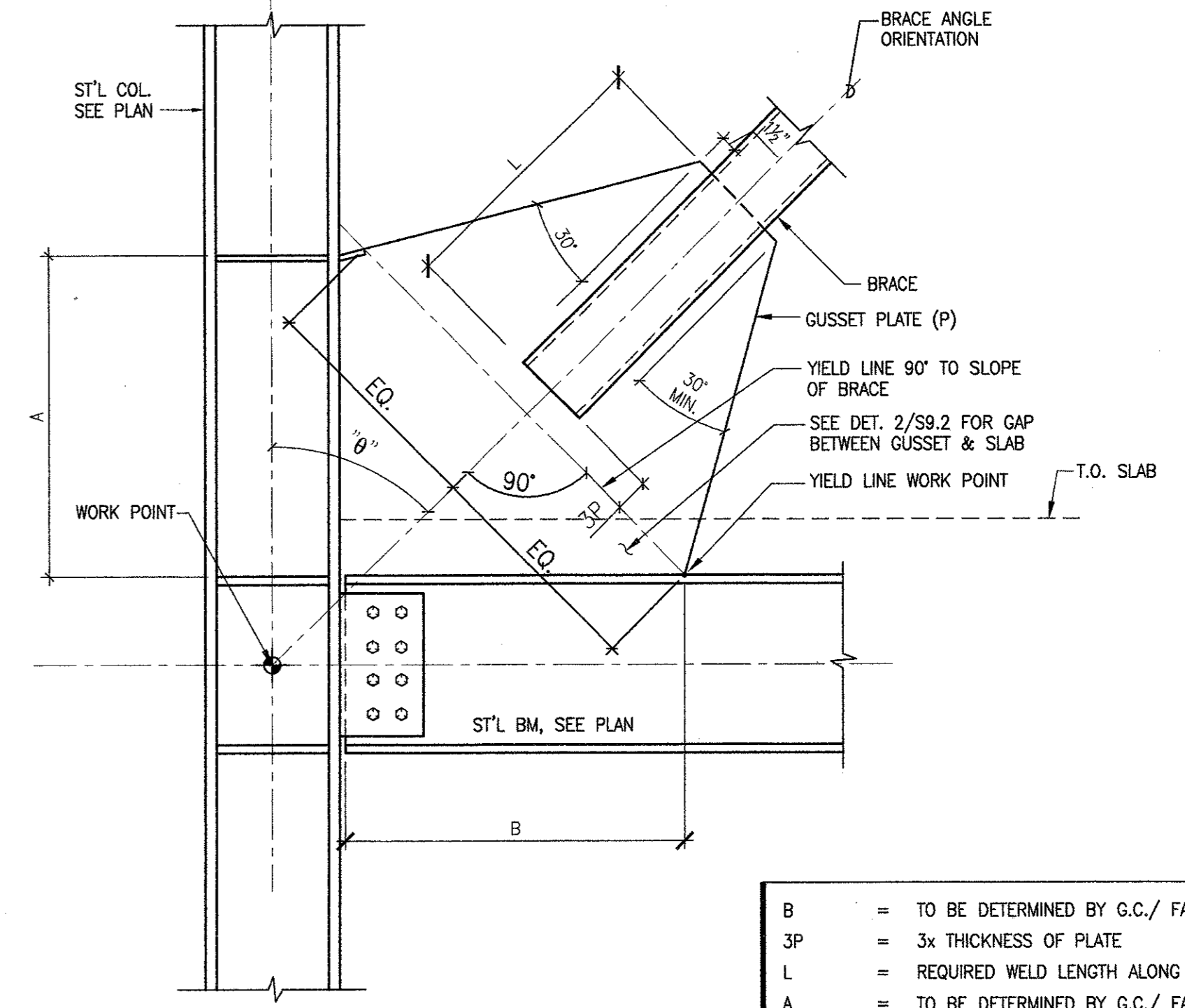
B = TO BE DETERMINED BY G.C./ FABRICATOR
 3P = 3x THICKNESS OF PLATE
 L = REQUIRED WELD LENGTH ALONG BRACE
 A = TO BE DETERMINED BY G.C./ FABRICATOR
 theta = DETERMINED FROM PLAN GEOMETRY (SAD)

YIELD LINES START AT THE FLANGE OF BEAM



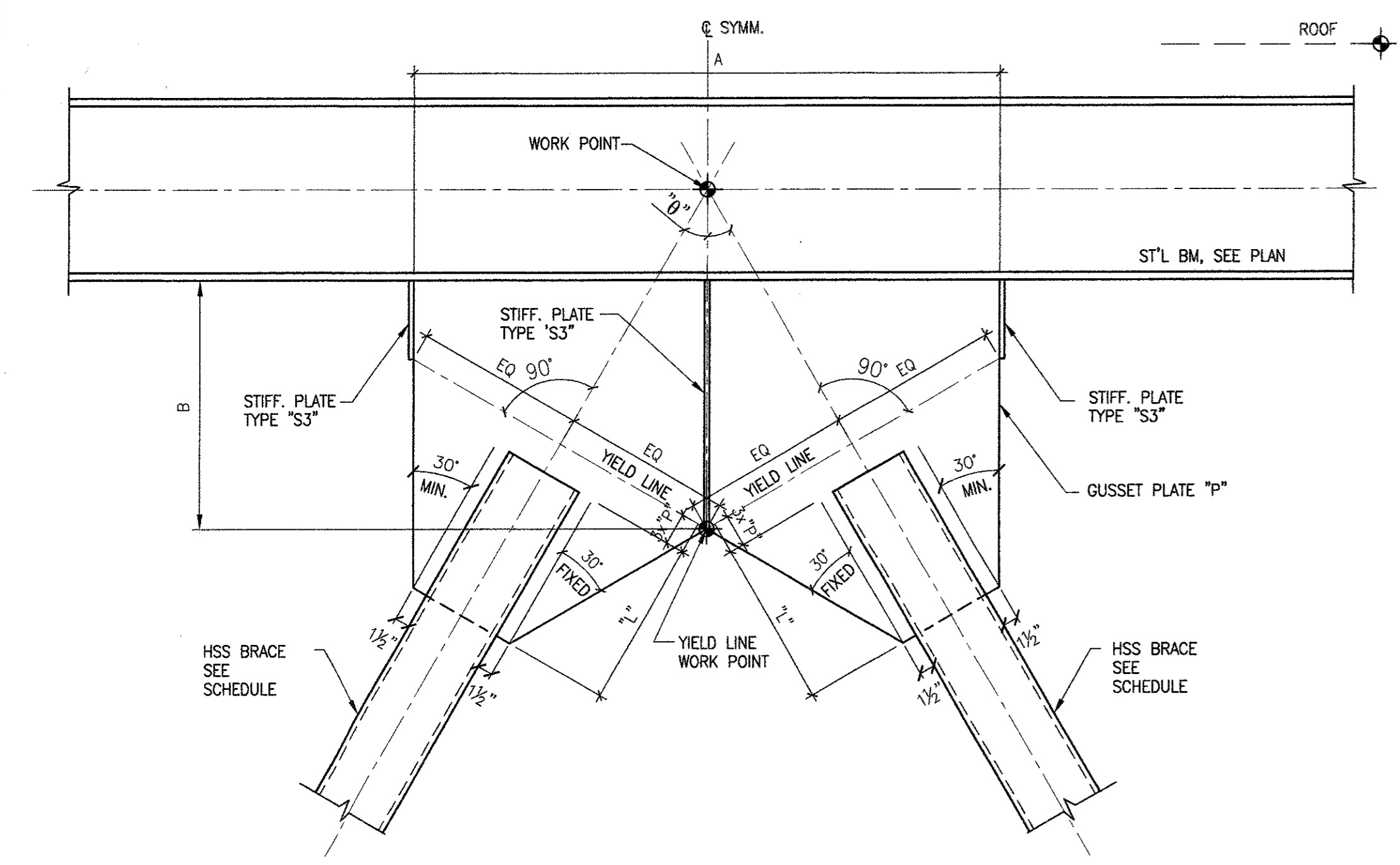
B = TO BE DETERMINED BY G.C./ FABRICATOR
 3P = 3x THICKNESS OF PLATE
 L = REQUIRED WELD LENGTH ALONG BRACE
 A = TO BE DETERMINED BY G.C./ FABRICATOR
 theta = DETERMINED FROM PLAN GEOMETRY (SAD)

YIELD LINE STARTS AT THE TOP OF BASE PLATE



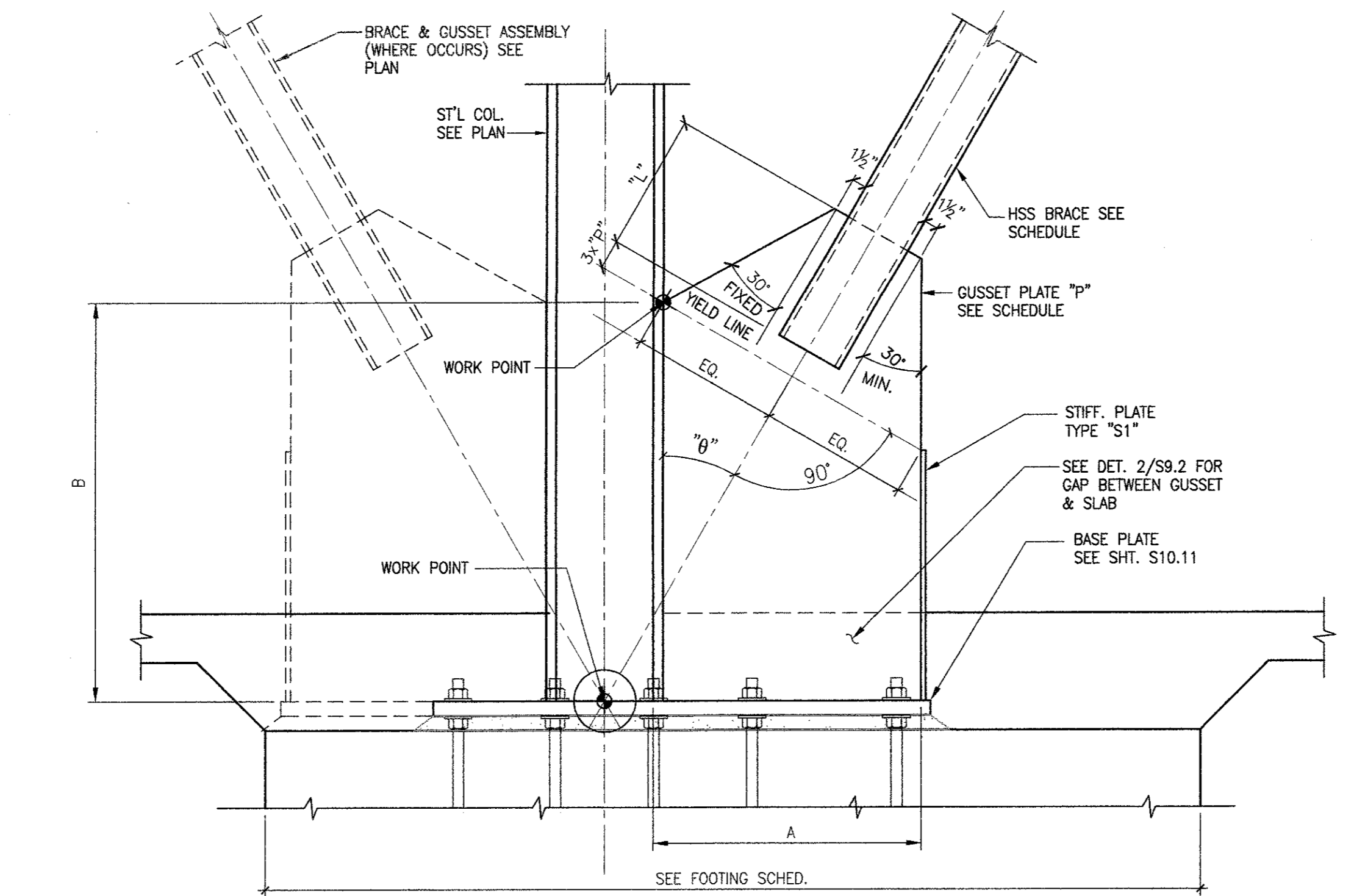
B = TO BE DETERMINED BY G.C./ FABRICATOR
 3P = 3x THICKNESS OF PLATE
 L = REQUIRED WELD LENGTH ALONG BRACE
 A = TO BE DETERMINED BY G.C./ FABRICATOR
 theta = DETERMINED FROM PLAN GEOMETRY (SAD)

EXAMPLE OF YIELD LINE WORK POINT AT BEAM



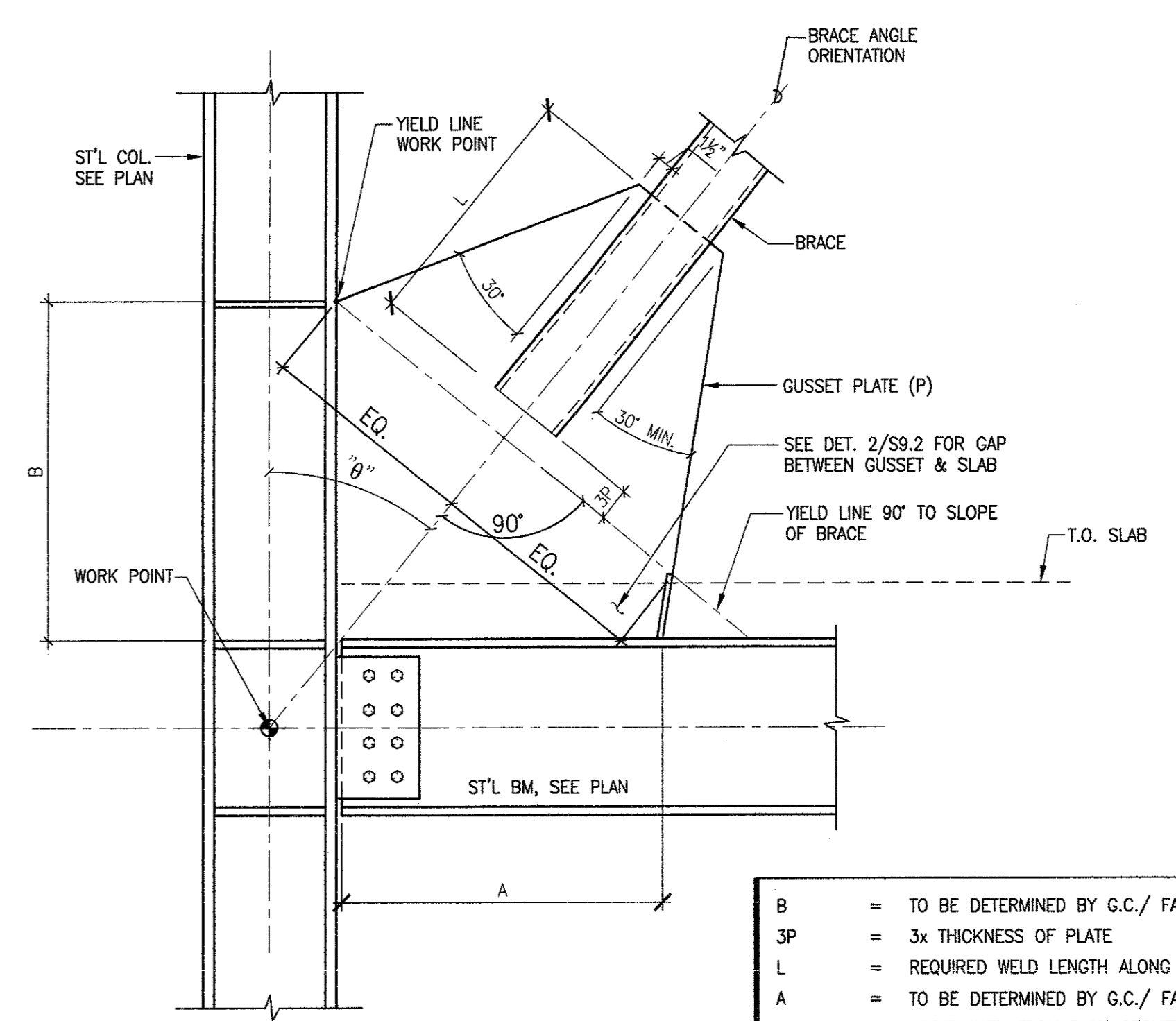
B = TO BE DETERMINED BY G.C./ FABRICATOR
 3P = 3x THICKNESS OF PLATE
 L = REQUIRED WELD LENGTH ALONG BRACE
 A = TO BE DETERMINED BY G.C./ FABRICATOR
 theta = DETERMINED FROM PLAN GEOMETRY (SAD)

YIELD LINES START AT THE CENTER LINE OF GUSSET PLATE



B = TO BE DETERMINED BY G.C./ FABRICATOR
 3P = 3x THICKNESS OF PLATE
 L = REQUIRED WELD LENGTH ALONG BRACE
 A = TO BE DETERMINED BY G.C./ FABRICATOR
 theta = DETERMINED FROM PLAN GEOMETRY (SAD)

YIELD LINE STARTS AT THE FLANGE OF COLUMN



B = TO BE DETERMINED BY G.C./ FABRICATOR
 3P = 3x THICKNESS OF PLATE
 L = REQUIRED WELD LENGTH ALONG BRACE
 A = TO BE DETERMINED BY G.C./ FABRICATOR
 theta = DETERMINED FROM PLAN GEOMETRY (SAD)

EXAMPLE OF YIELD LINE WORK POINT AT COLUMN

8 TYPICAL BRACE TO BEAM MIDSPAN

SCALE: NTS

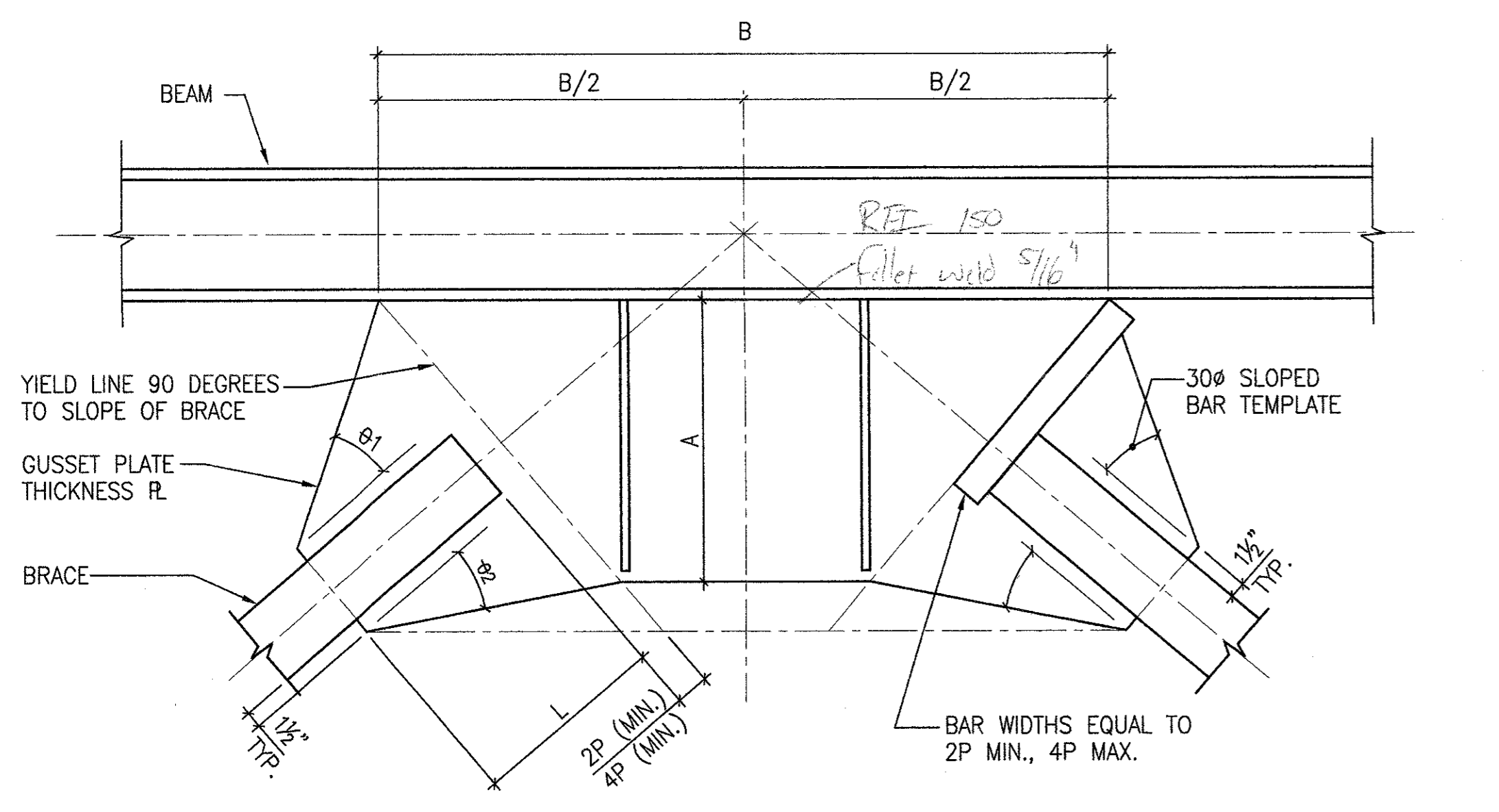
5 TYPICAL BRACE TO COLUMN

SCALE: NTS

2 TYPICAL BRACE TO BEAM/COLUMN

SCALE: NTS

FIELD CHECK TO VERIFY COMPLIANCE OF 2P MINIMUM OFFSET (4P MAX) AND PLATE EDGE SLOPE



theta 1 = 30° MINIMUM
 theta 2 = 30° FIXED

*CORNER OF BAR SHOULD INTERSECT WITH EDGE OF GUSSET PLATE PRIOR TO HITTING BEAM FLANGE

9 RECOMMENDED FIELD CHECKS

SCALE: NTS

FIELD CHECK NOTES

INSPECTOR OF RECORD TO VERIFY:

1. THAT THE 2P MINIMUM (4P MAX.) OFFSET IS MAINTAINED EACH END OF BRACE BEFORE WELDING OF BRACE AND AFTER WELDING OF BRACE (INCLUDE DIAGRAM OF FIELD CHECK METHOD).
2. VERIFY 1/2" OFFSET AND ANGLE SLOPE ALONG EDGE OF GUSSET PLATE.
3. ISOLATION OF GUSSET PLATE YIELD LINE FROM SLAB (IF DETAILED) AND STIFFENER PLATE LOCATIONS, PER DET. 2/S9.2.
4. DISCUSS INSPECTION CRITERIA WITH STRUCTURAL ENGINEER PRIOR TO WELDING OF BRACES.

6 FIELD CHECKS

SCALE: NTS

GENERAL BRACE FRAME CONNECTION NOTES

1. ALL DETAILS INCORPORATED INTO SUBTITLED SHOP DRAWINGS SHALL BE DRAWN TO SCALE.
2. GENERAL CONTRACTOR SHALL SUBMIT COMPREHENSIVE SHOP DRAWING FOR EACH BRACE/GUSSET ASSEMBLY AS REQUIRED BY PLANS & SPECIFICATIONS. EACH CONNECTION SHALL BE FULLY DETAILED WITH THE INFORMATION GIVEN IN DETAILS, ALL APPLICABLE SCHEDULES, OR THAT INFORMATION WHICH CAN BE DETERMINED FROM GIVEN MEMBER SIZES AND PLAN GEOMETRY.
3. ITEMS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY. SEE SHEETS S9.1 THROUGH S9.5 FOR BRACE FRAME CONNECTION REQUIREMENTS.

SUGGESTED DETAILING SEQUENCE FOR BRACE TO BEAM COLUMN CONNECTION

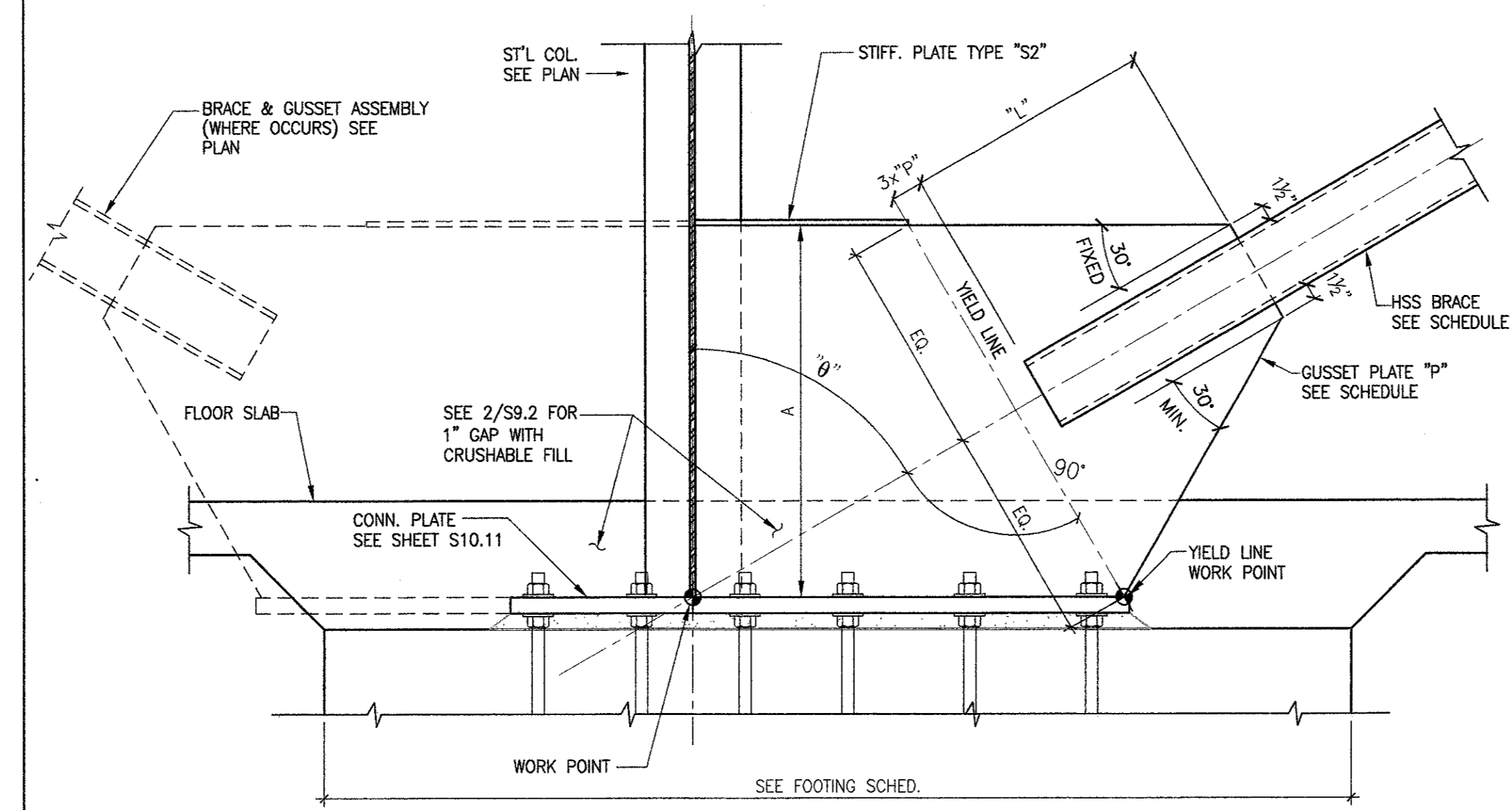
1. DETERMINE BRACE ANGLE ORIENTATION AND CONNECTION WORK POINT BASED UPON PLAN DIMENSIONS AND MEMBER SIZES
2. DETERMINE LENGTH OF WELD ALONG TUBE STEEL BRACE TO GUSSET PLATE. SET BOTH ANGLE TO 30 DEGREES INITIALLY.
3. ENSURE YIELD LINE IS PERPENDICULAR TO BRACE ANGLE.
4. DETERMINE YIELD LINE WORK POINT. YIELD LINE WORK POINT OCCURS AT BEAM OR COLUMN DEPENDING UPON GEOMETRY. THIS CAN BE FOUND BY LOWERING ASSEMBLY ALONG BRACE ORIENTATION LINE UNTIL EITHER BEAM OR COLUMN IS INTERSECTED.
5. VERIFY EXTENSION OF YIELD LINE DOES NOT INTERSECT THE PLATE DIMENSION "A".
6. NOTIFY THE STRUCTURAL ENGINEER IF ANY OF THE ABOVE ITEMS CAN NOT BE MET.
7. DETAILER MAY ADJUST THE "A" AND "L" DIMENSIONS (+/-1/8"), AS NEEDED IN ORDER TO FACILITATE FABRICATION OF THE PLATE.
8. * DENOTES ACTUAL ALLOWANCE SHALL BE BASE UPON ENGINEERS DISCRETION AND DESIGN TOLERANCES.
9. SUGGESTED DETAILING (SHOP DRAWING) OF BRACE/GUSSET ASSEMBLY TO FOUNDATION & BEAM SIMILAR TO THAT SHOWN ABOVE.
10. PROVIDE BRACE OVERSLOT REINFORCEMENT PLATE AS SHOWN IN DET. 9/S10.11 (TYP.).

3 GENERAL NOTES AND SUGGESTED FABRICATION SEQUENCE

SCALE: NTS

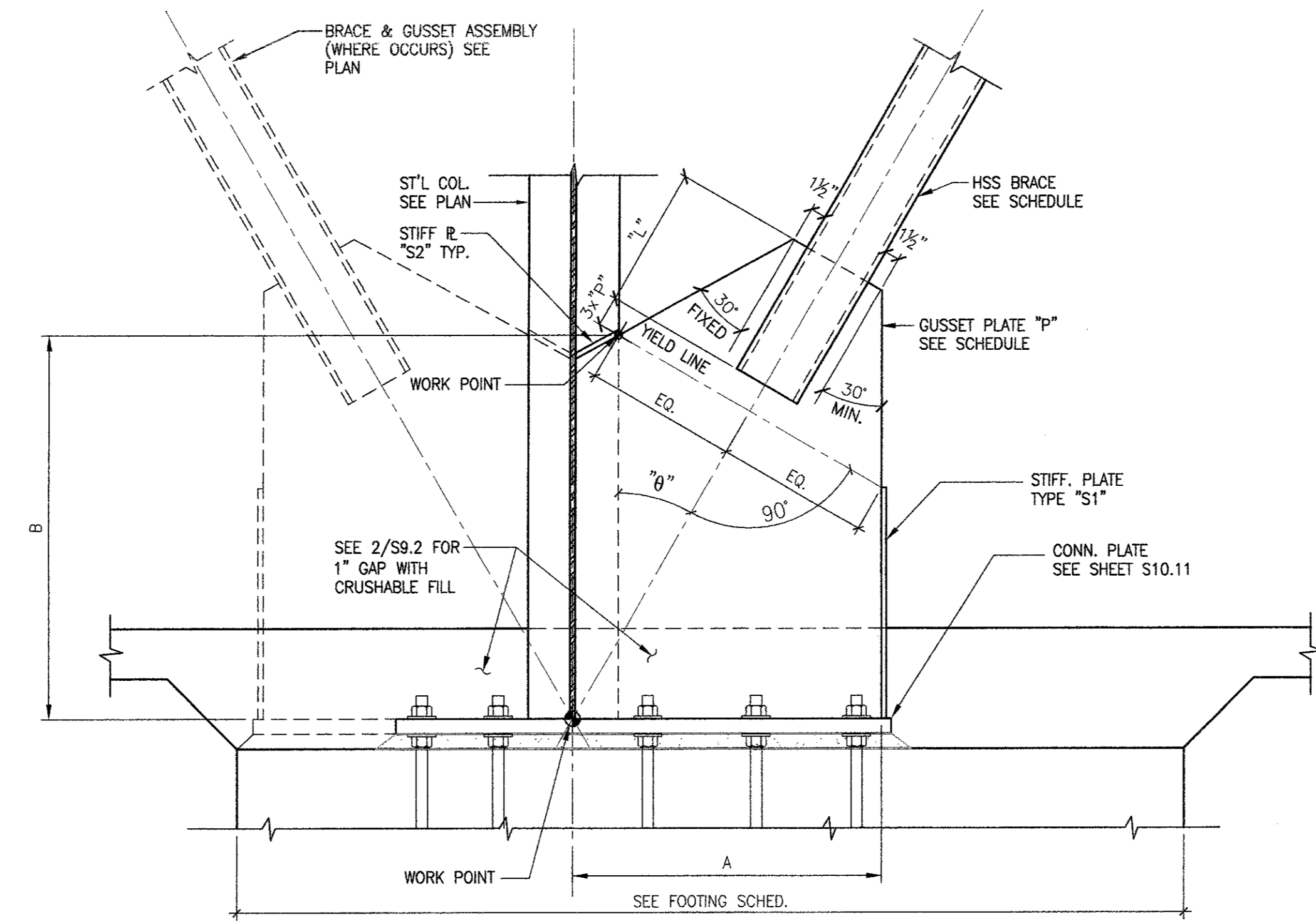
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SEE RFI 0028 for 30° angle



- B = TO BE DETERMINED BY G.C./ FABRICATOR
- 3P = 3x THICKNESS OF PLATE
- L = REQUIRED WELD LENGTH ALONG BRACE
- A = TO BE DETERMINED BY G.C./ FABRICATOR
- Ø = DETERMINED FROM PLAN GEOMETRY (SAD)

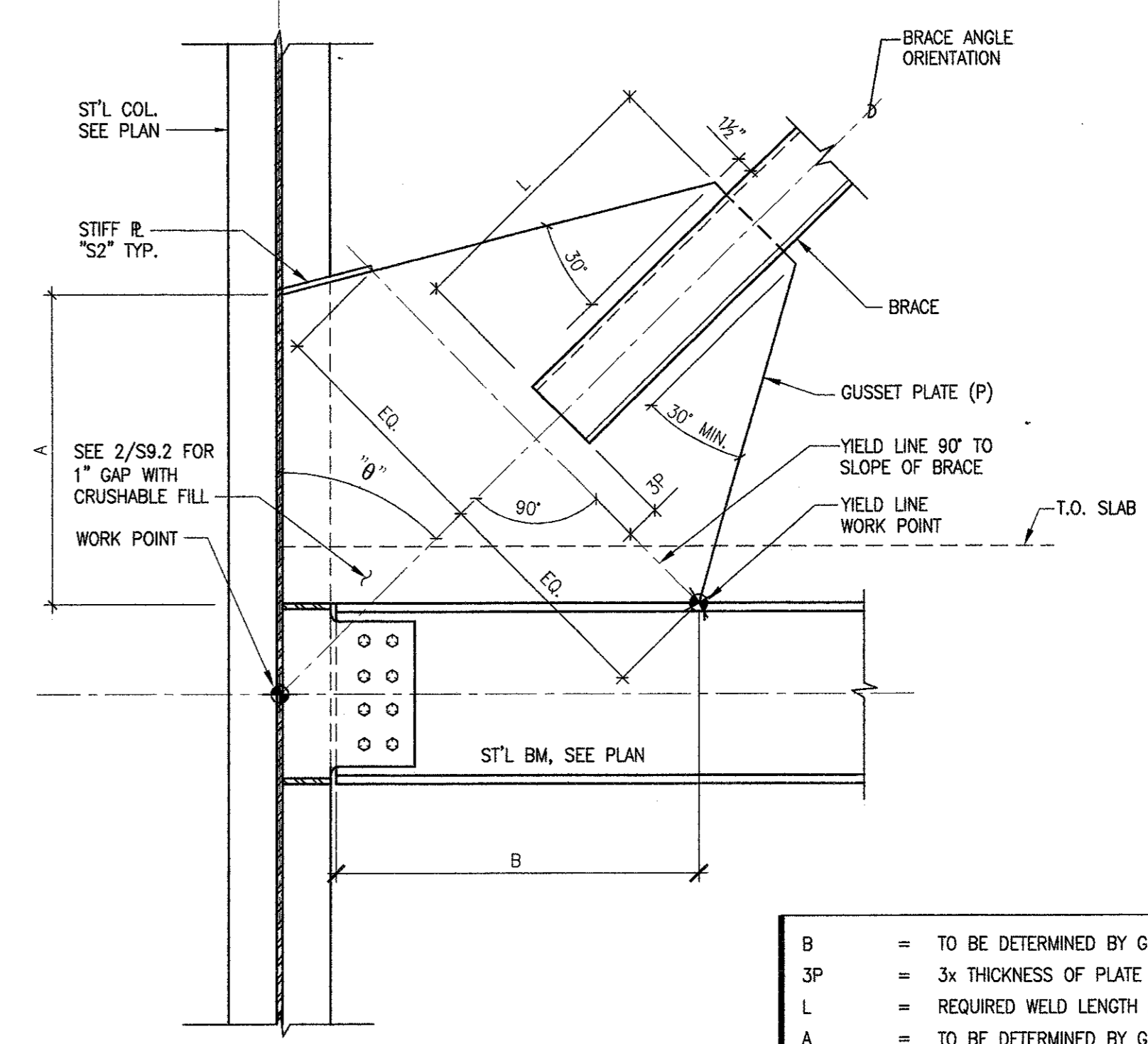
YIELD LINE STARTS AT THE TOP OF FLOOR SLAB



- B = TO BE DETERMINED BY G.C./ FABRICATOR
- 3P = 3x THICKNESS OF PLATE
- L = REQUIRED WELD LENGTH ALONG BRACE
- A = TO BE DETERMINED BY G.C./ FABRICATOR
- Ø = DETERMINED FROM PLAN GEOMETRY (SAD)

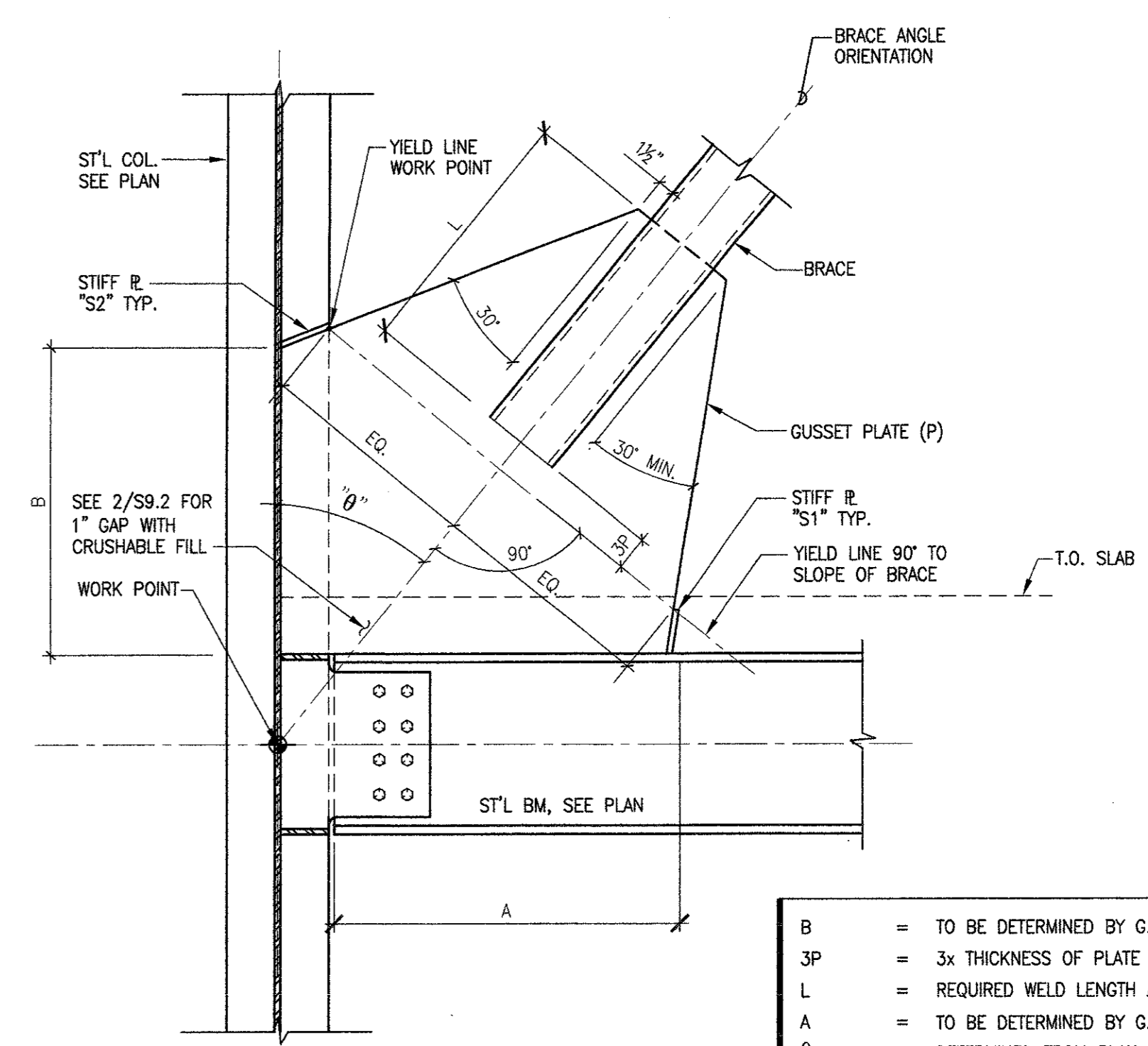
YIELD LINE STARTS AT THE FLANGE OF COLUMN

5 TYPICAL BRACE TO COLUMN (WEAK AXIS)
SCALE: NTS



- B = TO BE DETERMINED BY G.C./ FABRICATOR
- 3P = 3x THICKNESS OF PLATE
- L = REQUIRED WELD LENGTH ALONG BRACE
- A = TO BE DETERMINED BY G.C./ FABRICATOR
- Ø = DETERMINED FROM PLAN GEOMETRY (SAD)

EXAMPLE OF YIELD LINE WORK POINT AT BEAM



- B = TO BE DETERMINED BY G.C./ FABRICATOR
- 3P = 3x THICKNESS OF PLATE
- L = REQUIRED WELD LENGTH ALONG BRACE
- A = TO BE DETERMINED BY G.C./ FABRICATOR
- Ø = DETERMINED FROM PLAN GEOMETRY (SAD)

EXAMPLE OF YIELD LINE WORK POINT AT COLUMN

2 TYPICAL BRACE TO BEAM/COLUMN (WEAK AXIS)
SCALE: NTS

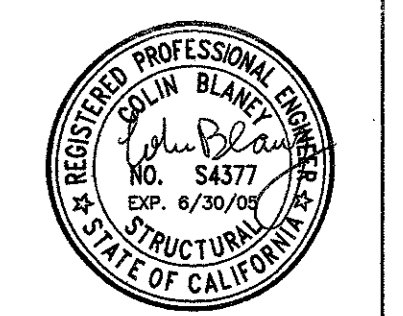
The Steinberg Group

Architecture Planning Interiors
80 Pierce Avenue
San Jose, CA 95110
408.295.5440 fax
408.295.5928 fax

Fentress Bradburn
ARCHITECTS LTD.
Architects - Interiors - Planning
411 Westwood
Denver, Colorado 80202
Tel: (303) 733-0000
Fax: (303) 733-0000

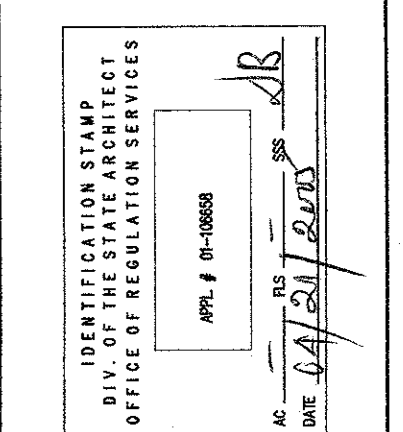
Crosby group
Structural Engineering
728 West 2nd
San Jose, CA 95110
Tel: (408) 295-8100
Fax: (408) 295-8100

Hensel Phelps Construction Co.



SKYLINE COLLEGE
STUDENT SUPPORT & COMMUNITY SERVICES CENTER AND SCIENCE ANNEX BUILDING
3300 COLLEGE DRIVE, SAN BRUNO, CA 94066
INCREMENT ONE - SUBMITTAL

ISSUED FOR: DATE:
DSA - INC #1 10.21.04

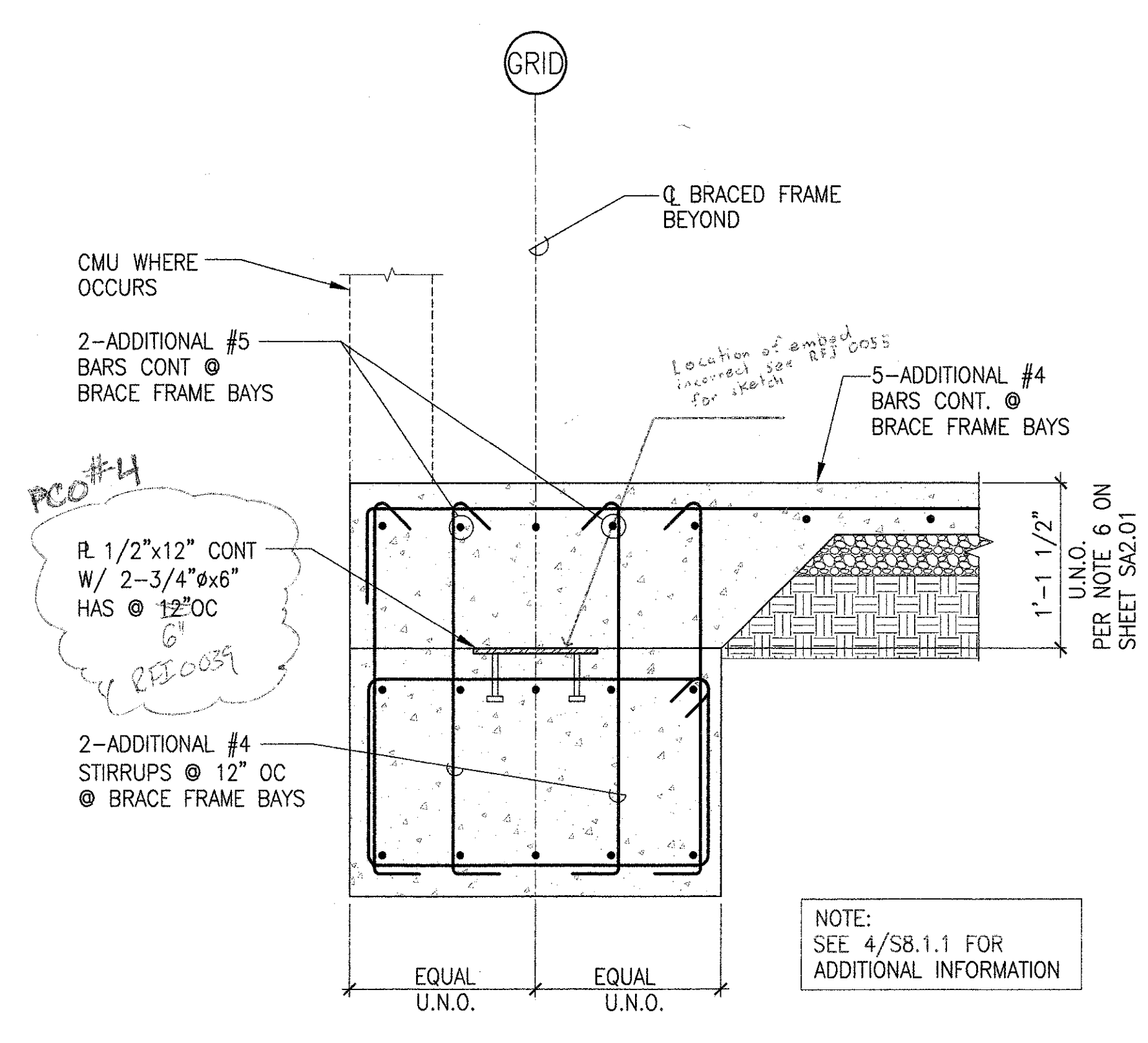


DRAWING TITLE
BRACE FRAME DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER

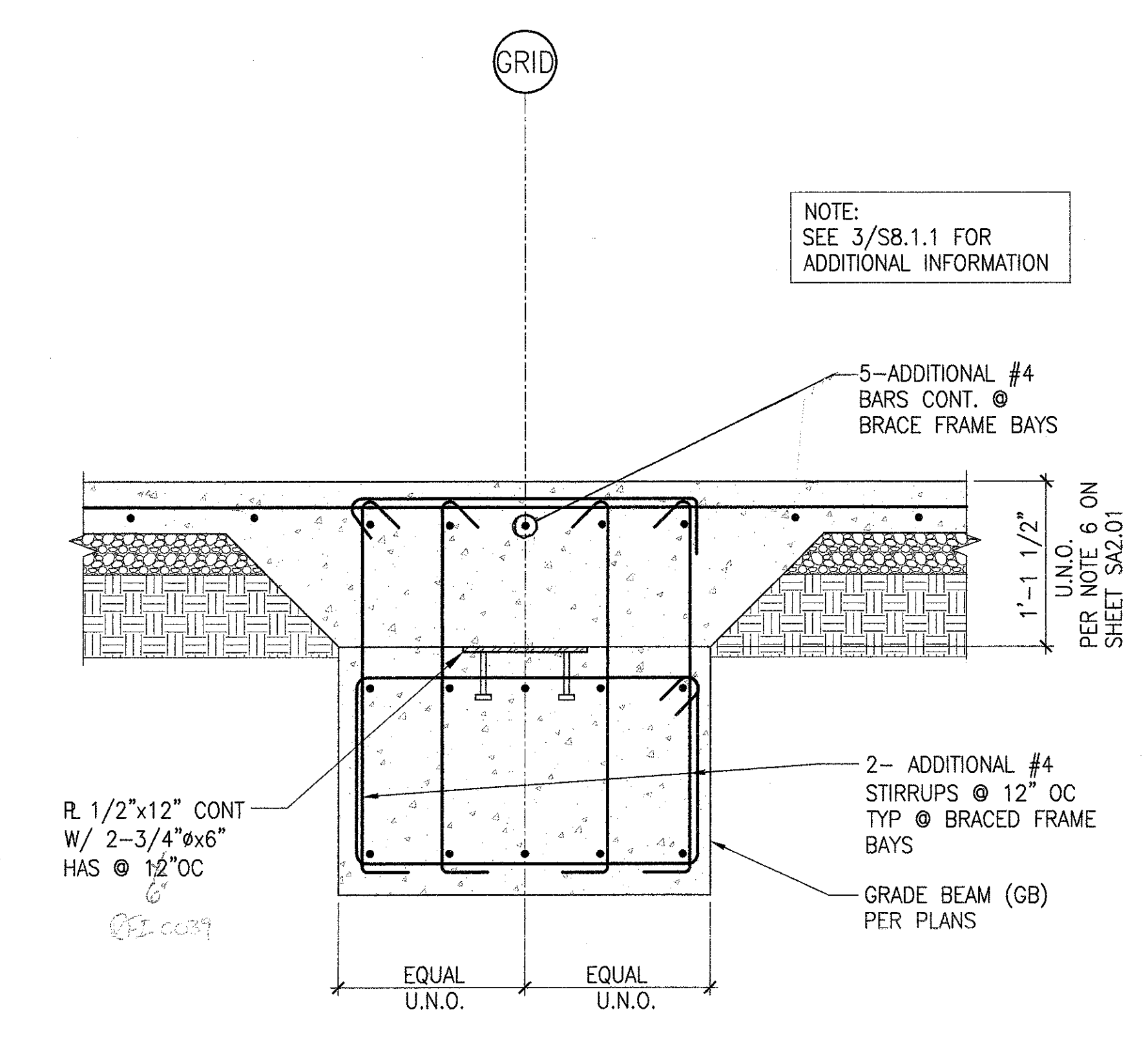
REVIEW SET **S9.01**

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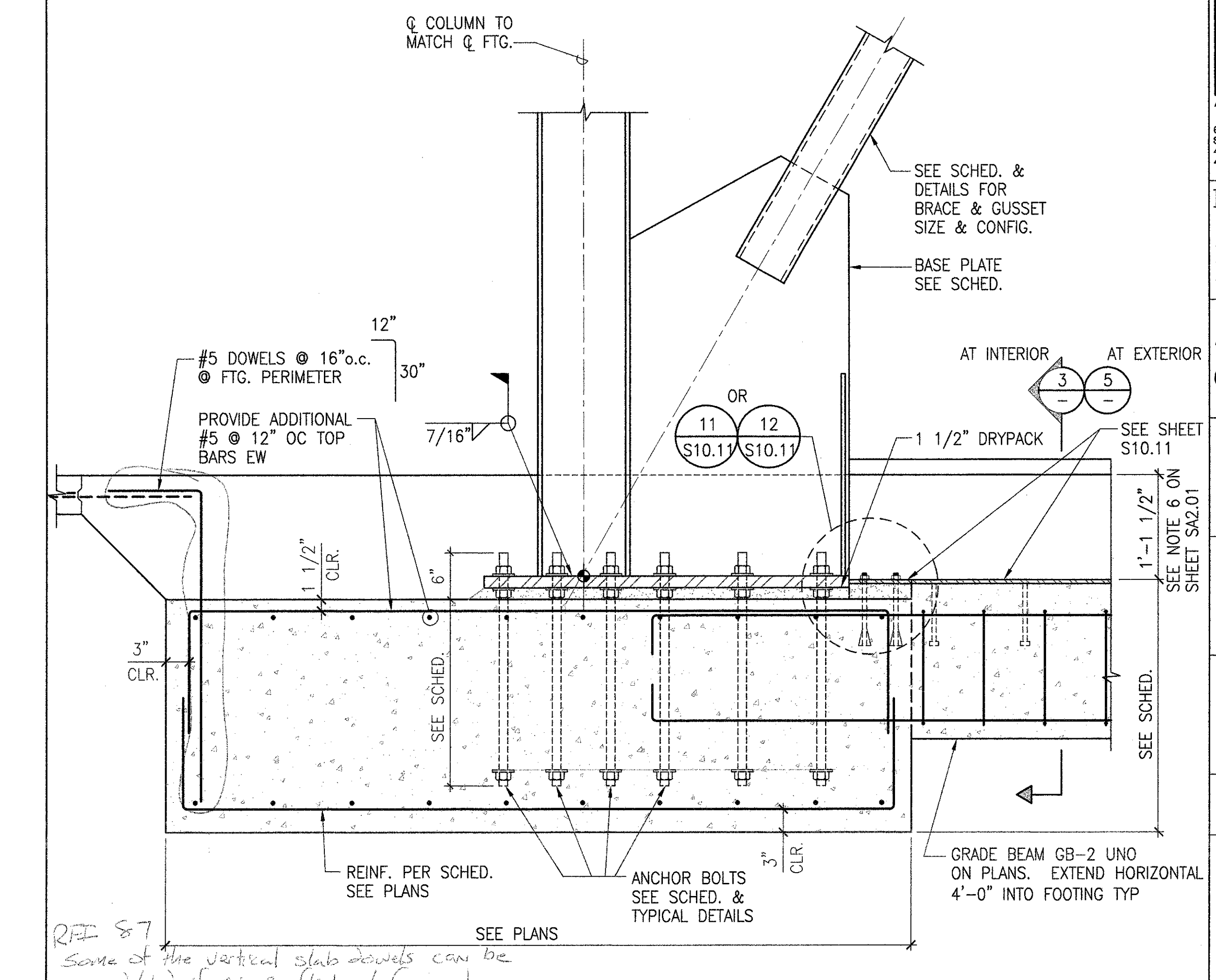
See RFI 288 for angle clarification



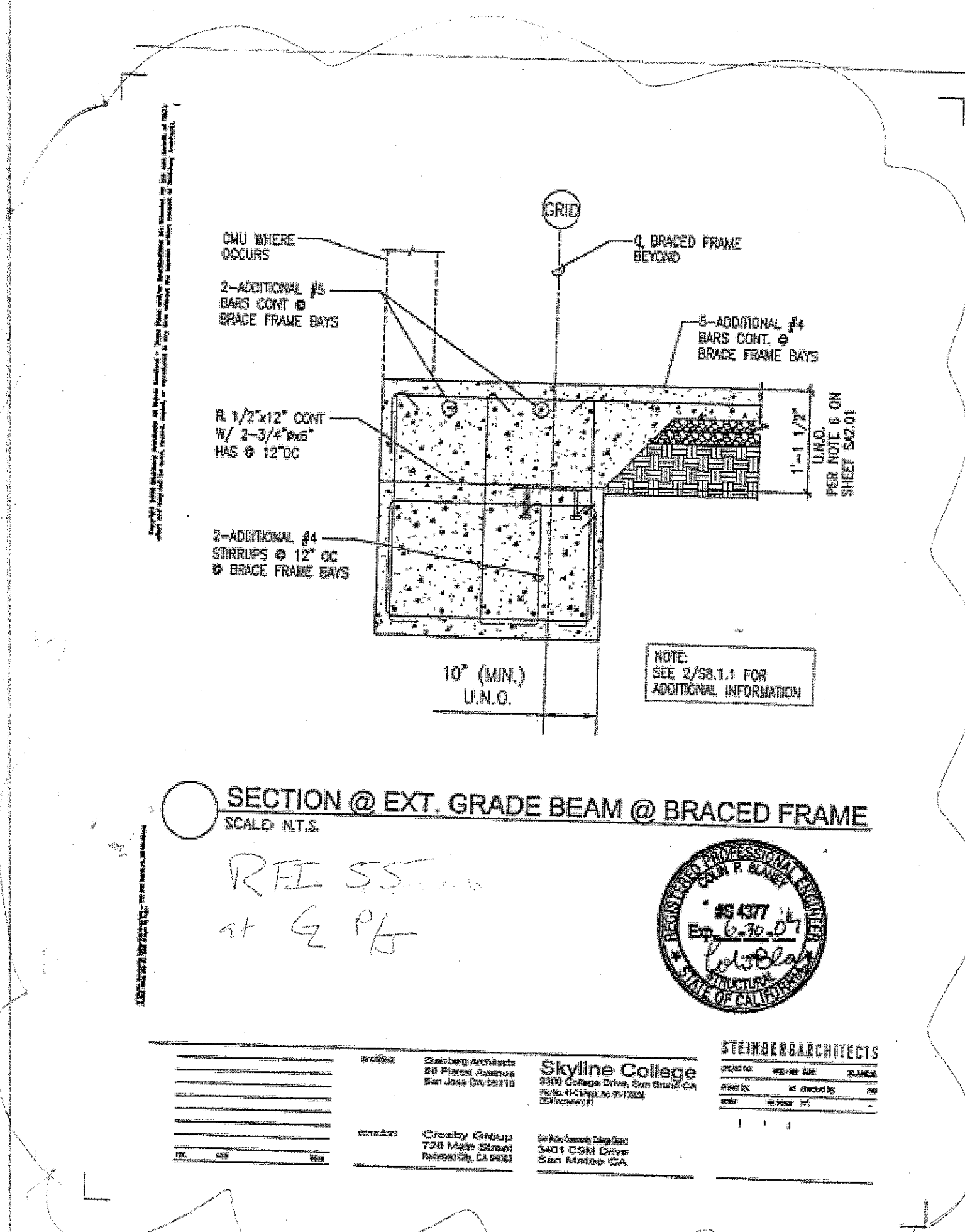
5 SECTION @ EXTERIOR GRADE BEAM @ BRACED FRAME
SCALE: N.T.S.



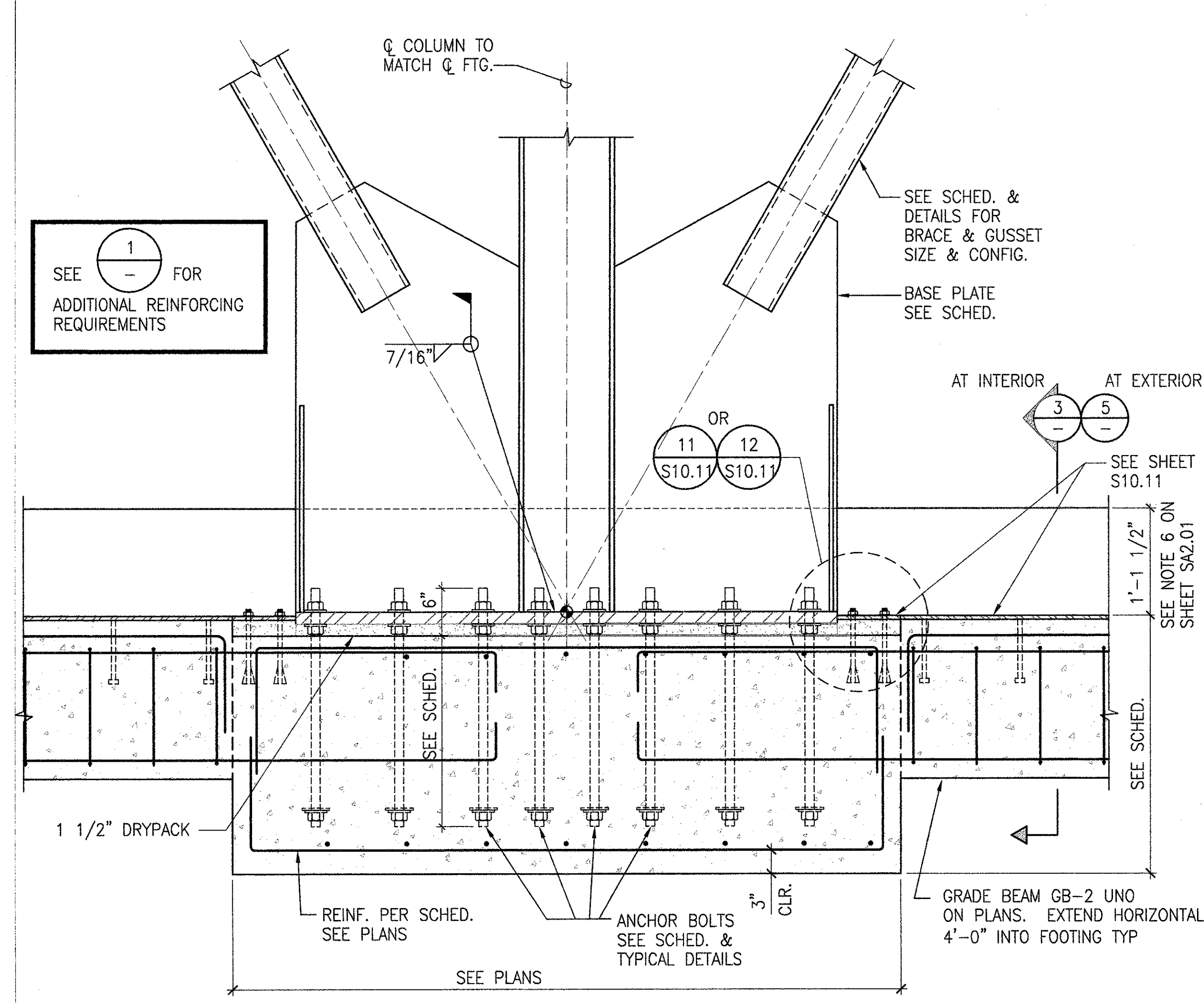
3 SECTION @ INTERIOR GRADE BEAM @ BRACING FRAME
SCALE: N.T.S.



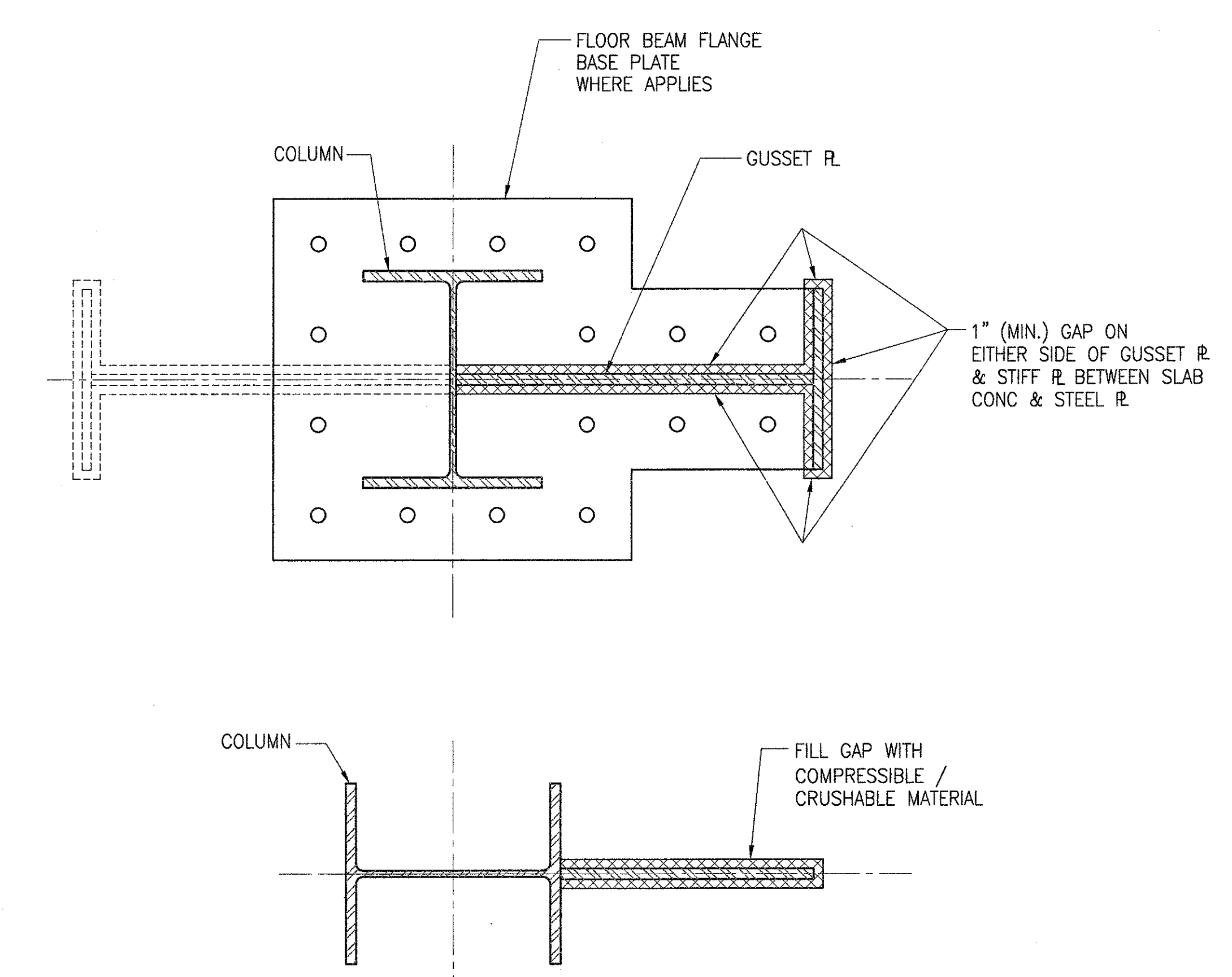
1 FOUNDATION @ BRACED FRAME
SCALE: N.T.S.



SECTION @ EXT. GRADE BEAM @ BRACED FRAME
SCALE: N.T.S.
REF 55
at G.P.



4 FOUNDATION @ BRACED FRAME
SCALE: N.T.S.

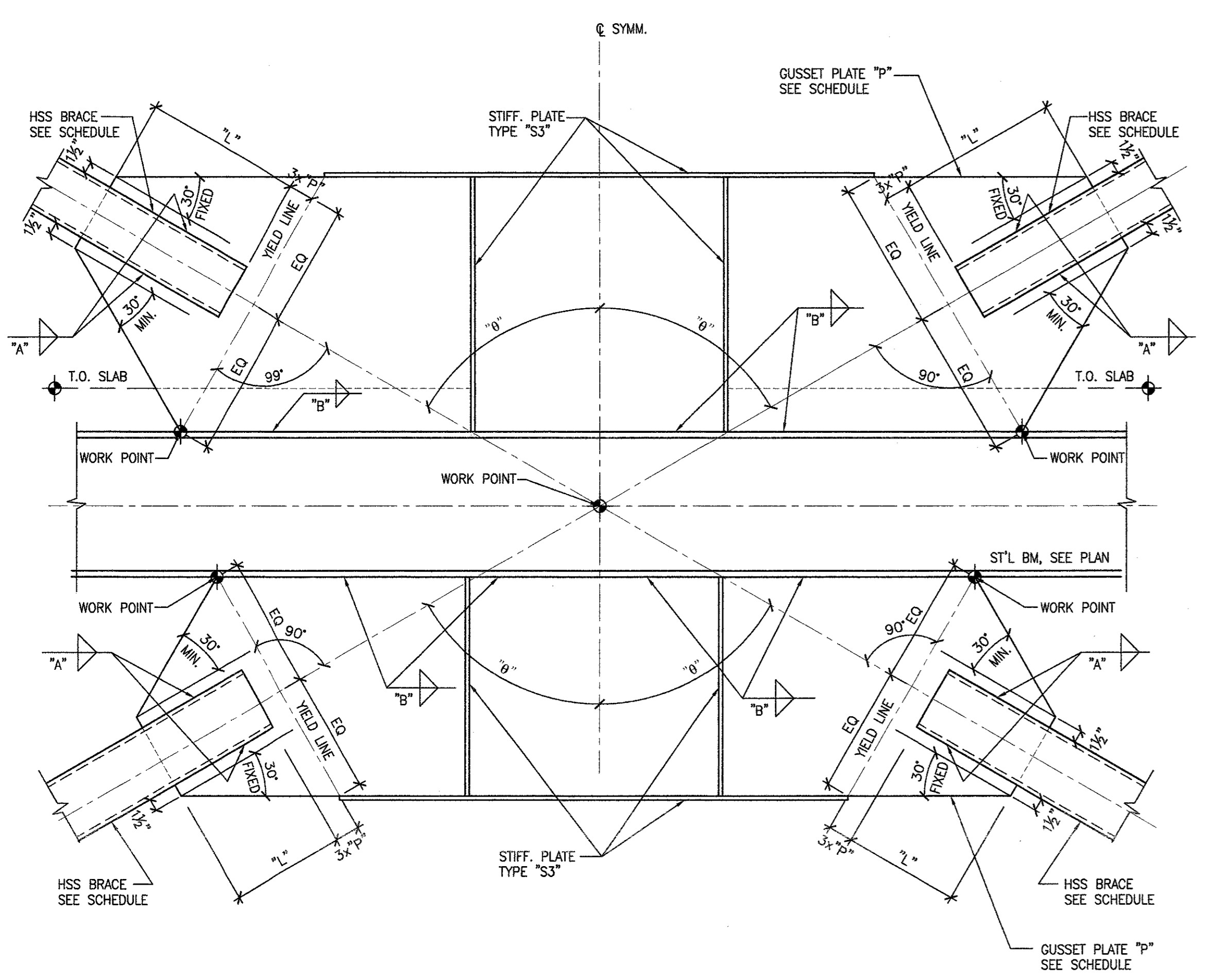


2 FOUNDATION @ BRACED FRAME
SCALE: N.T.S.

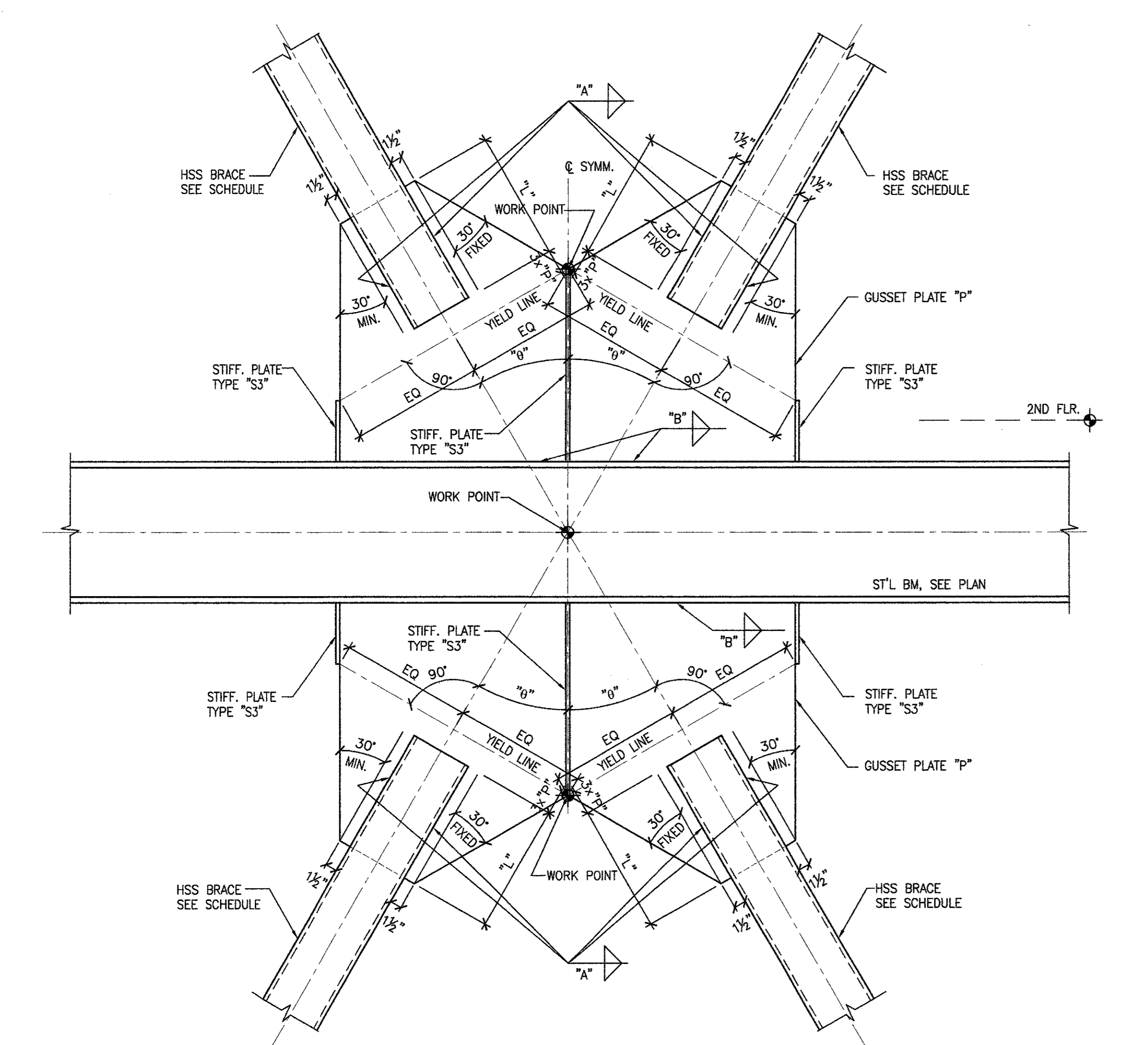
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SEE RFI 0028 FOR 30° ANGLE

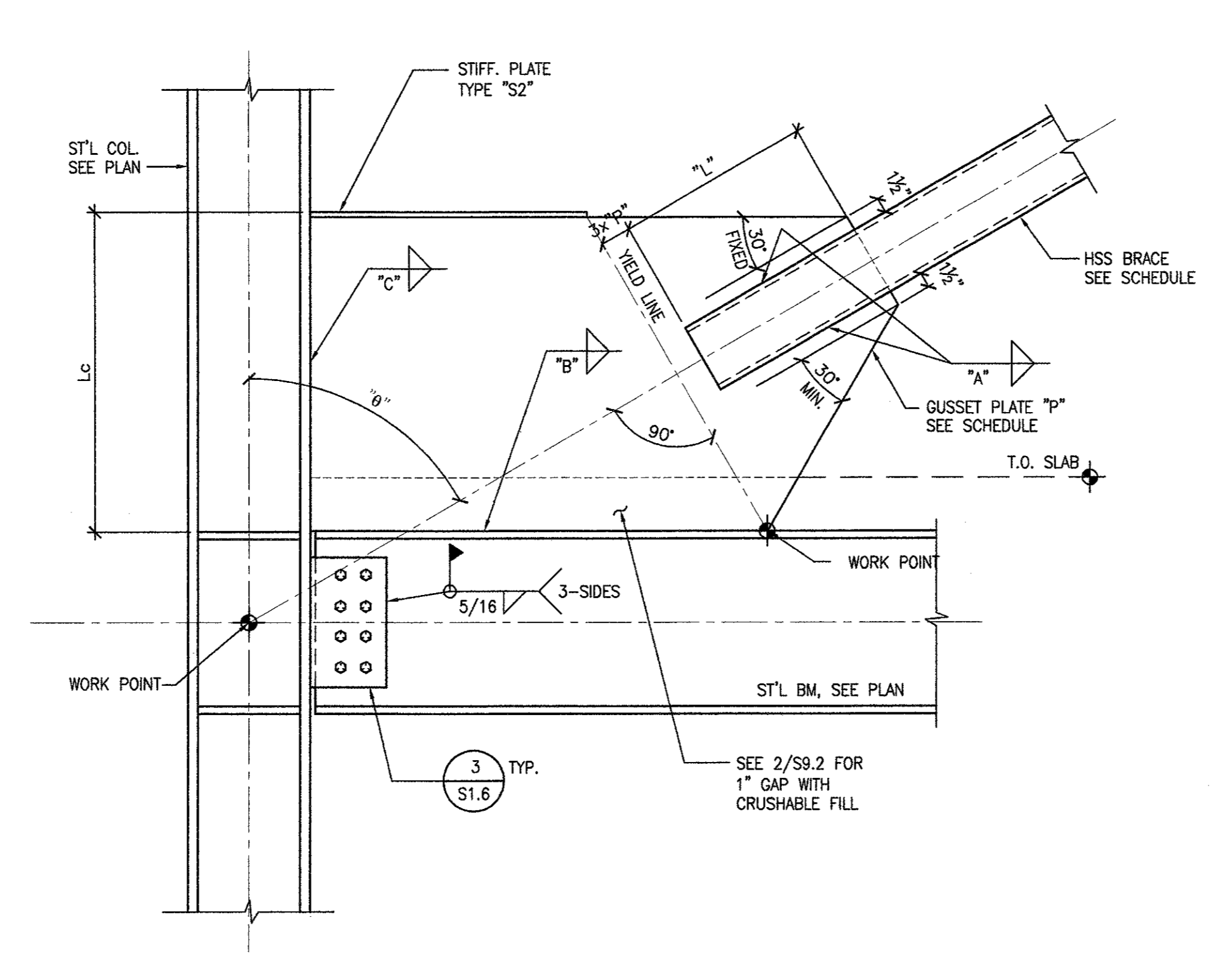


YIELD LINES START AT THE FLANGE OF BEAM/THE TOP OF FLOOR SLAB

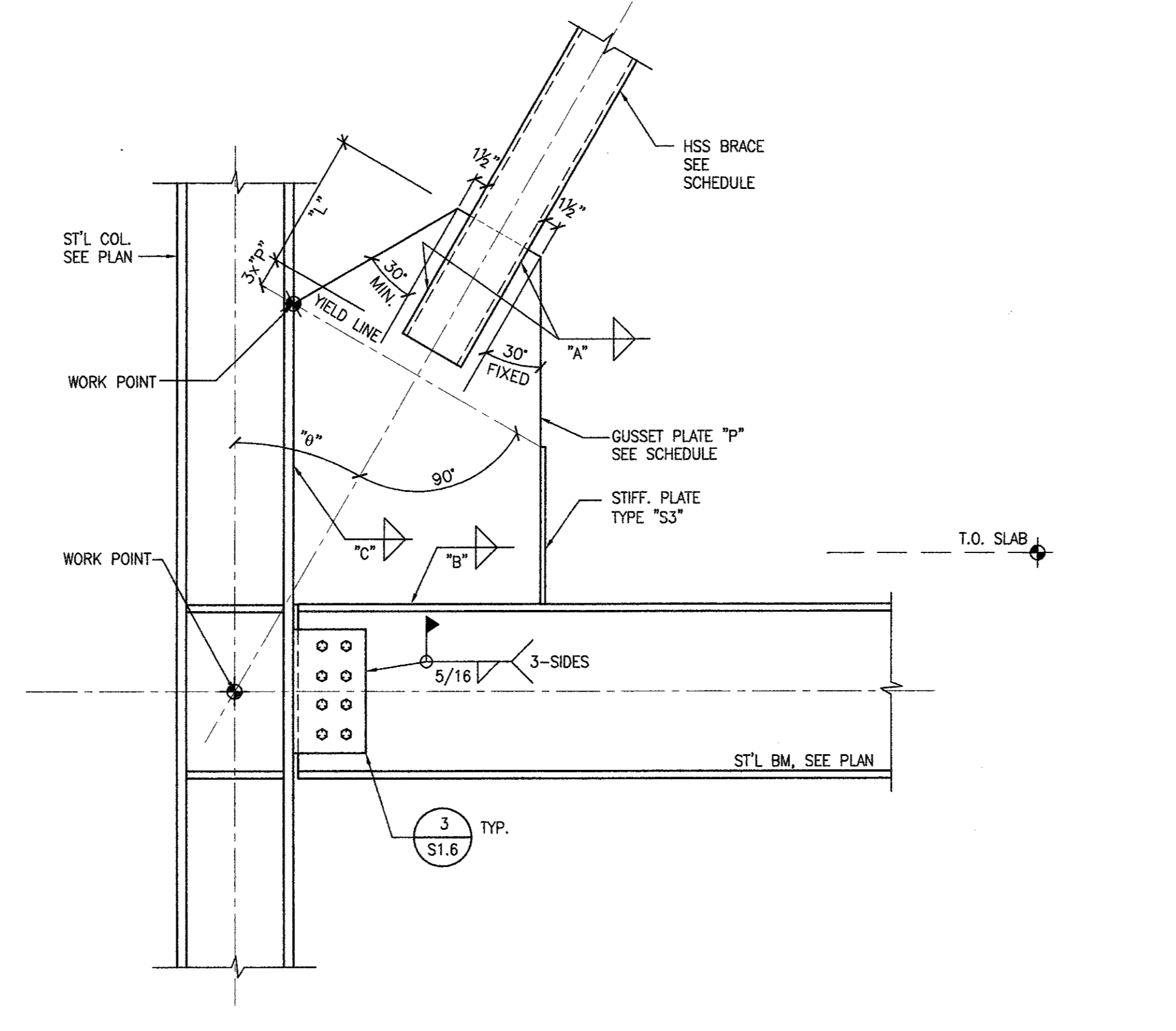


YIELD LINES START AT THE CENTER LINE OF GUSSET PLATES

3 CONNECTION DETAIL BF-1E
SCALE: N.T.S.

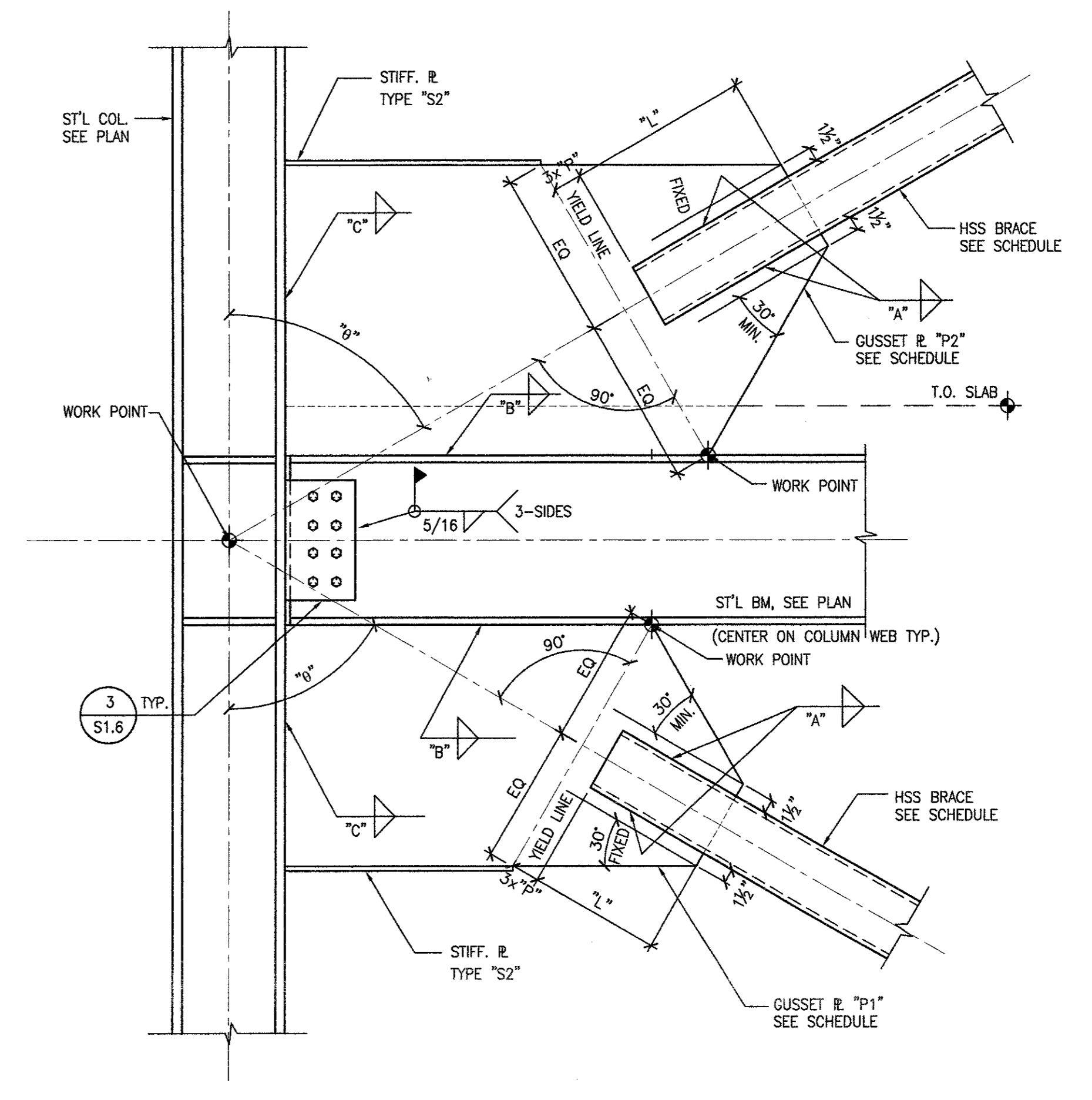


YIELD LINE STARTS AT THE TOP OF FLOOR SLAB

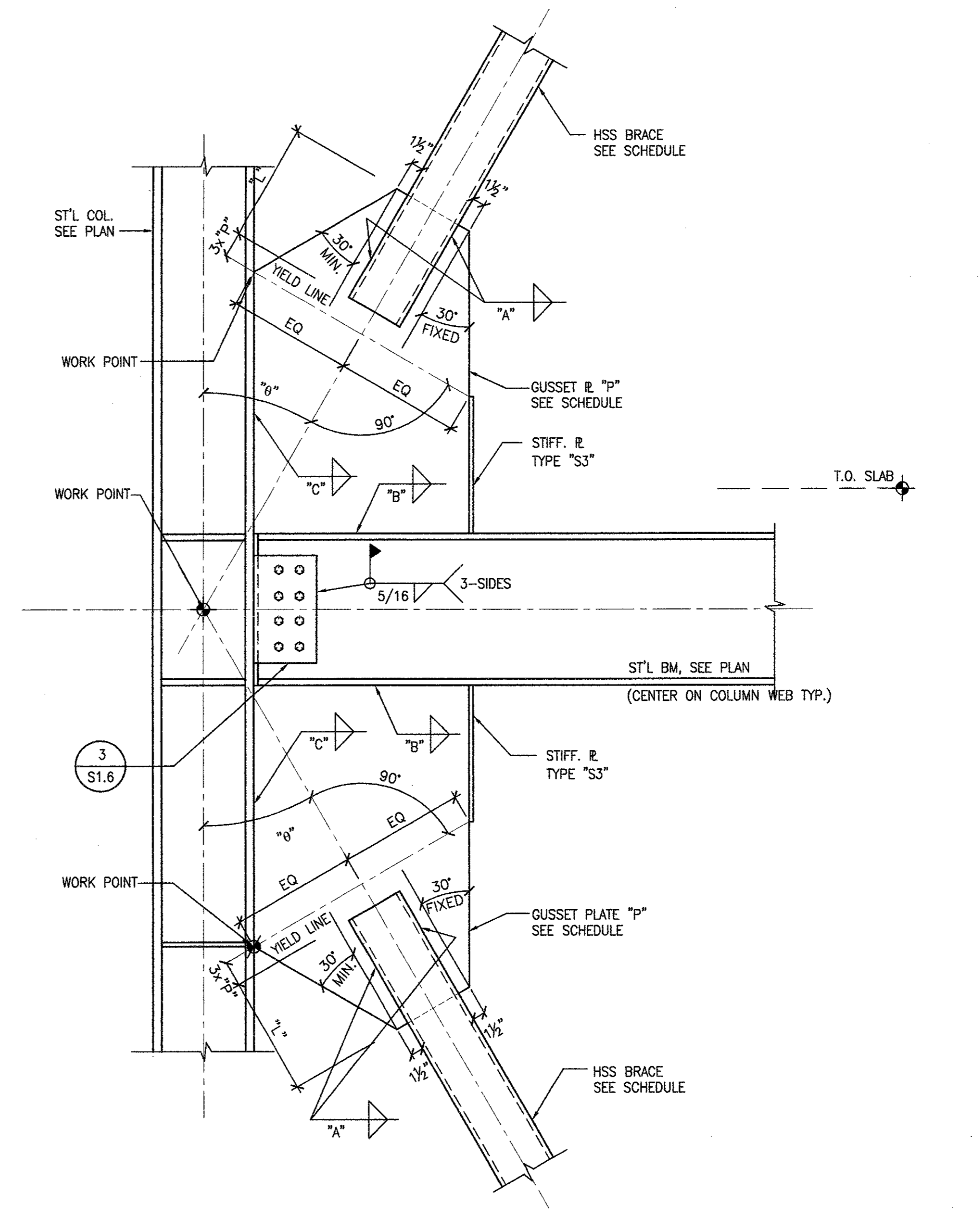


YIELD LINE STARTS AT THE FLANGE OF COLUMN

2 CONNECTION DETAIL BF-1B, BF-1D
SCALE: N.T.S.



YIELD LINES START AT THE FLANGE OF COLUMN



YIELD LINES START AT THE FLANGE OF COLUMN

1 CONNECTION DETAIL BF-1C
SCALE: N.T.S.

- TYPICAL NOTES:**
- THE DETAILS PROVIDE GENERAL GUIDELINE FOR BRACE CONNECTION CONFIGURATION ONLY. THE CONTRACTOR SHALL SUBMIT DETAILING SHOP DRAWINGS TO THE ENGINEER FOR REVIEWING AND APPROVAL BEFORE FABRICATING ALL STEEL COMPONENTS. SEE S9.00 & S9.01 FOR DETAILING PROCEDURE & ADDITIONAL REQUIREMENTS.
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 - THE WIDTH AND THICKNESS OF STIFFENER PLATE TYPE "S2" SHALL BE AWE AS COLUMN FLANGE. WELDING STIFFENER PLATE TO THE ADJACENT STEELS WITH DOUBLE SIDES 5/16" FILLET WELD ALL AROUND.
 - THE WIDTH AND THICKNESS OF STIFFENER TYPE "S3" SHALL BE SAME AS BEAM FLANGE. WELDING STIFFENER PLATE TO THE ADJACENT STEELS WITH DOUBLE SIDES 5/16" FILLET WELD ALL AROUND.
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 - PROVIDE BRACE OVERSLOT REINFORCEMENT PLATE AS SHOWN IN DET. 9/S10.11 (TYP.).

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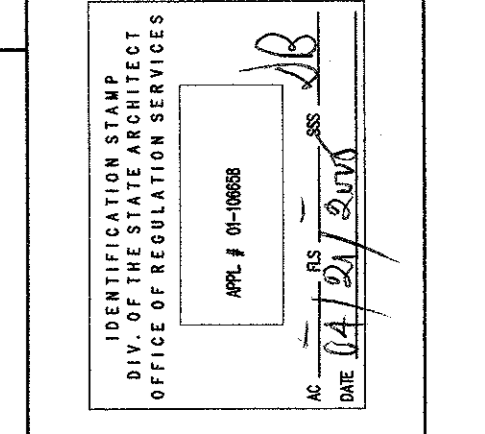
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ISSUED FOR: DSA - INC #1
DATE: 10.21.04

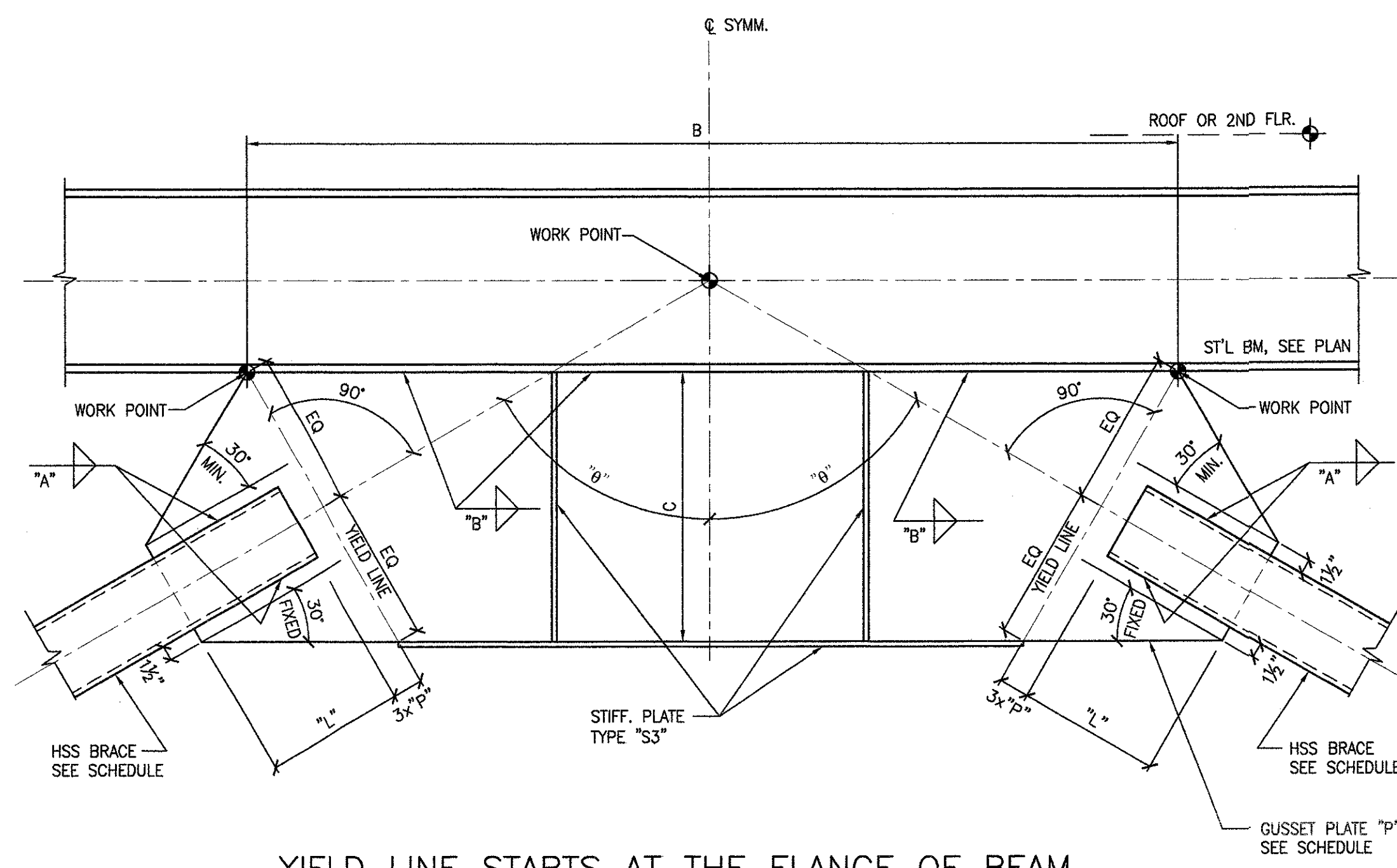


DRAWING TITLE
BRACE FRAME CONNECTION DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER

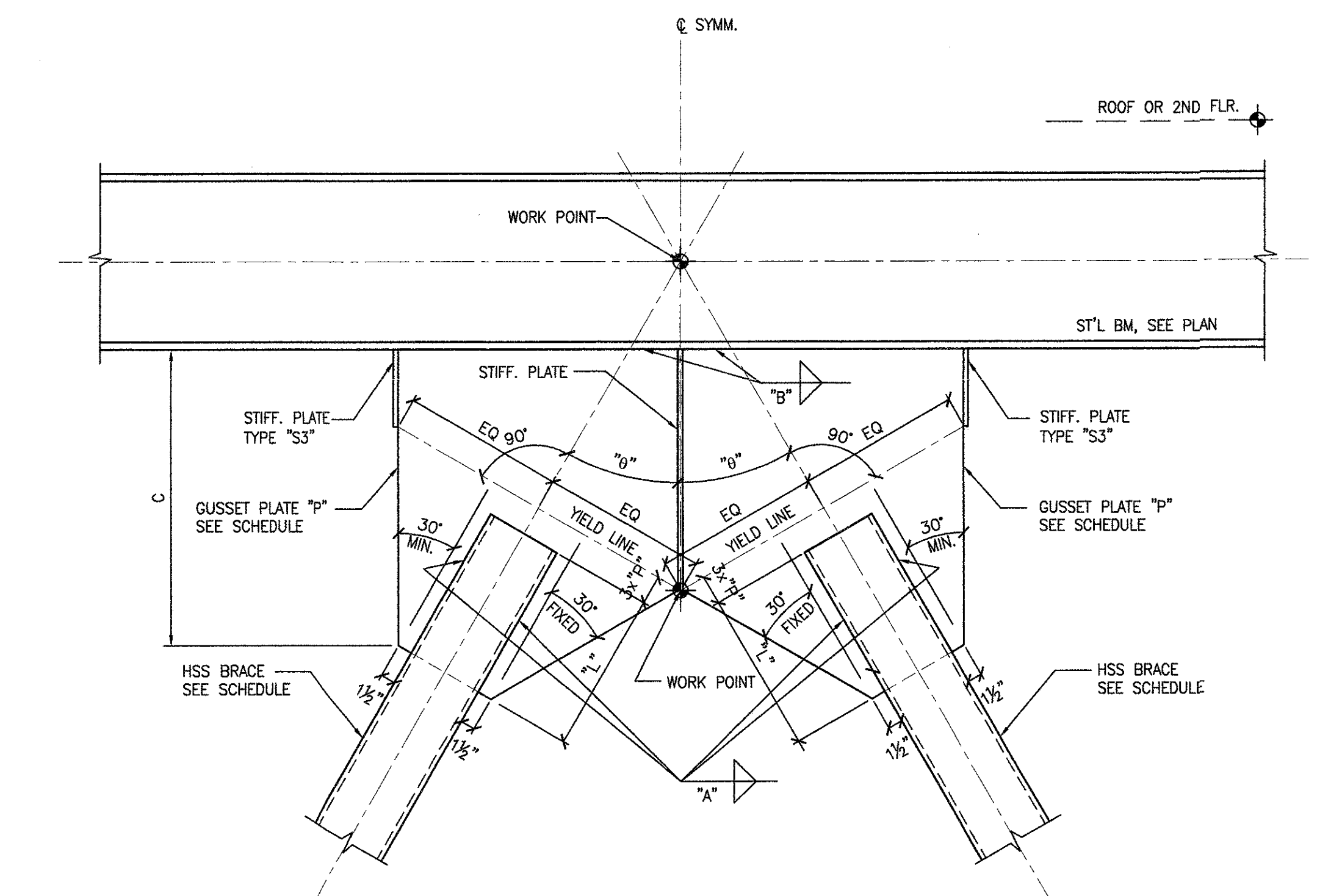
REVIEW SET S9.3

20050420_17062876_K3_Skyline_Community_College_Dwgset_Rev-1_SKY-S9_3.dwg

SEE RFI 008 for 30° angle

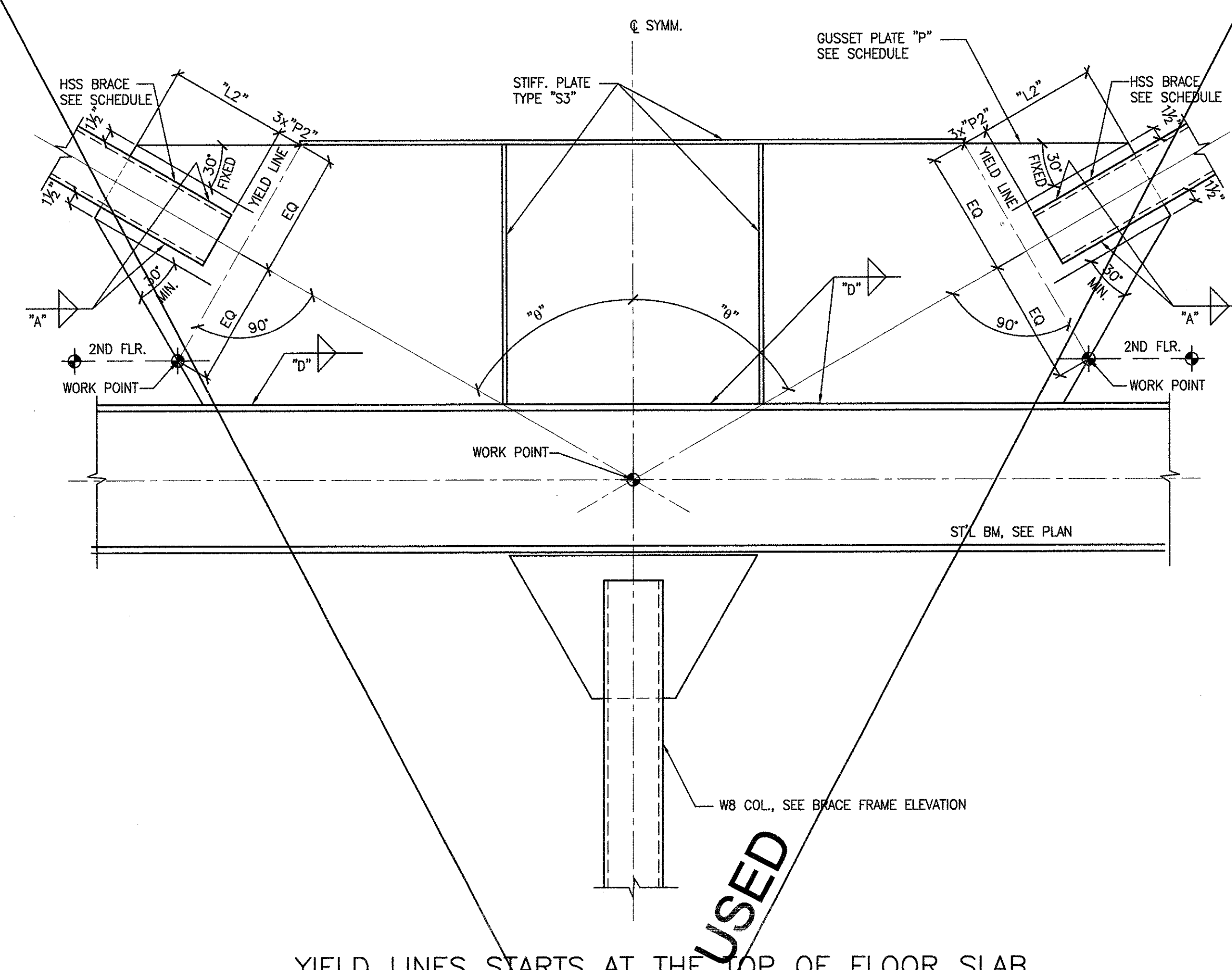


YIELD LINE STARTS AT THE FLANGE OF BEAM

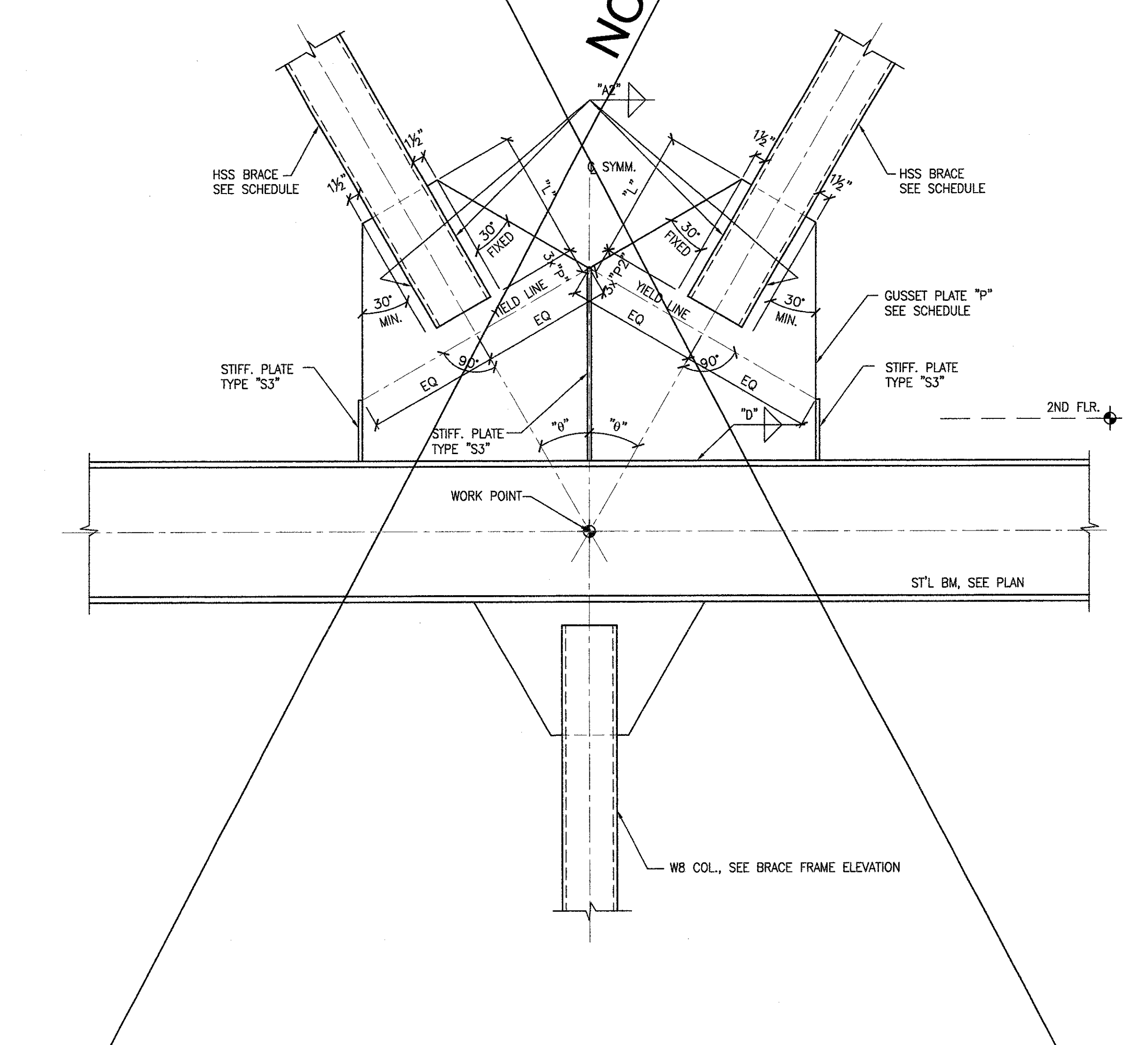


YIELD LINE STARTS AT THE CENTER LINE OF GUSSET PLATE

3 CONNECTION DETAIL BF-1B, BF-2A, BF-1A
SCALE: N.T.S.

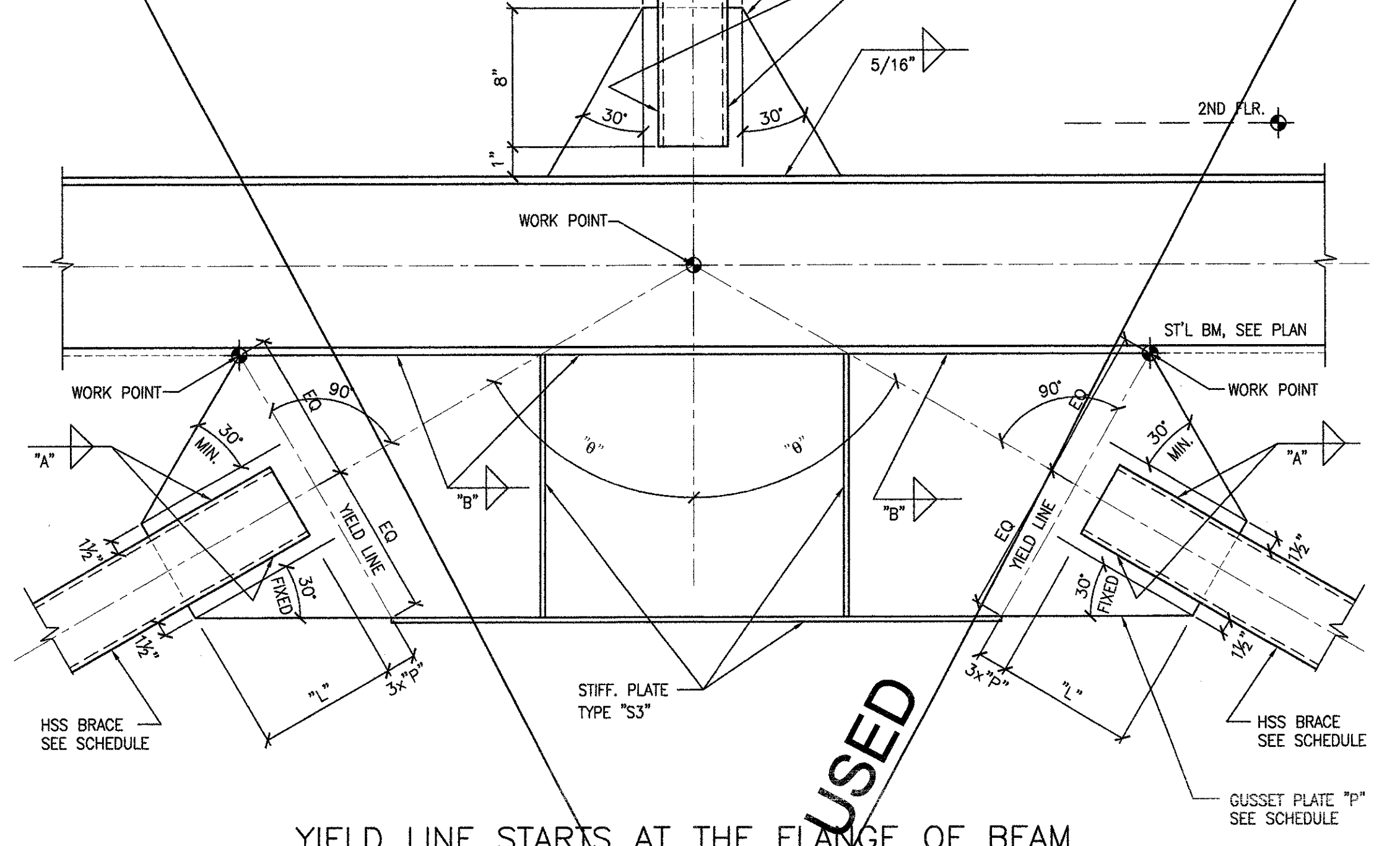


YIELD LINES STARTS AT THE TOP OF FLOOR SLAB

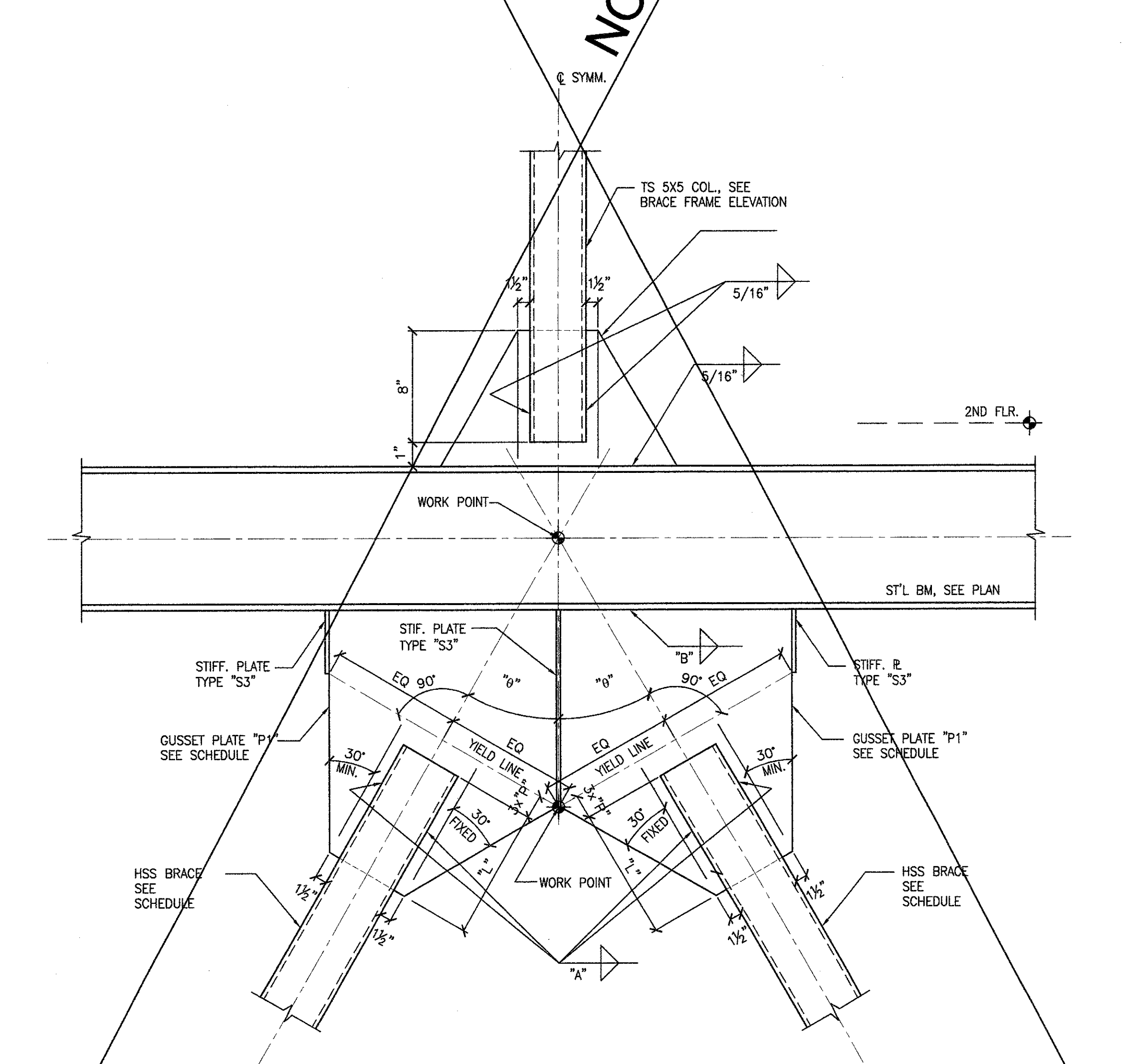


YIELD LINES START AT THE CENTER OF GUSSET PLATE

2 CONNECTION DETAIL BF-2A
SCALE: N.T.S.



YIELD LINE STARTS AT THE FLANGE OF BEAM



YIELD LINE STARTS AT THE CENTER LINE OF GUSSET PLATE

1 CONNECTION DETAIL BF-1A
SCALE: N.T.S.

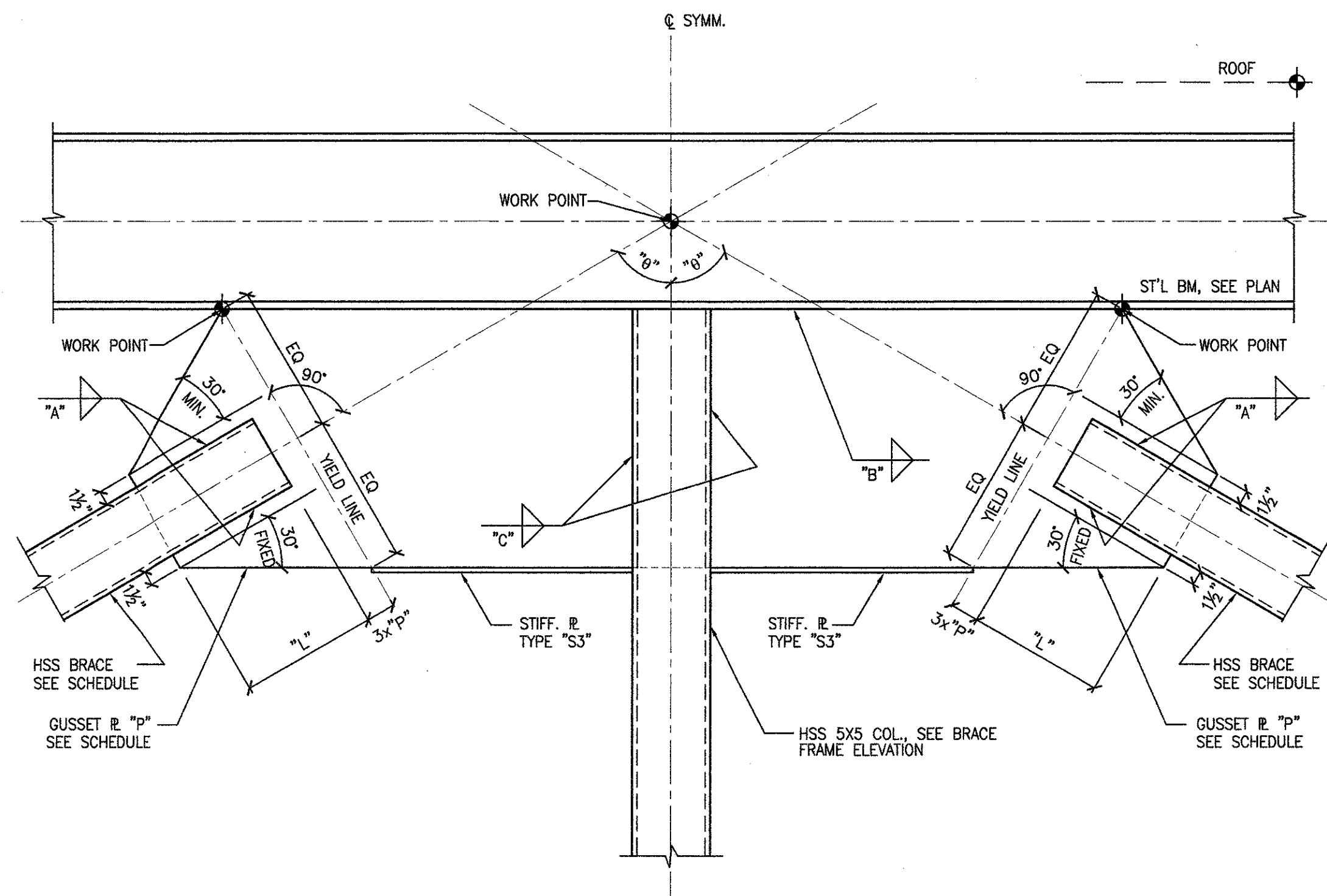
NOT USED

NOT USED

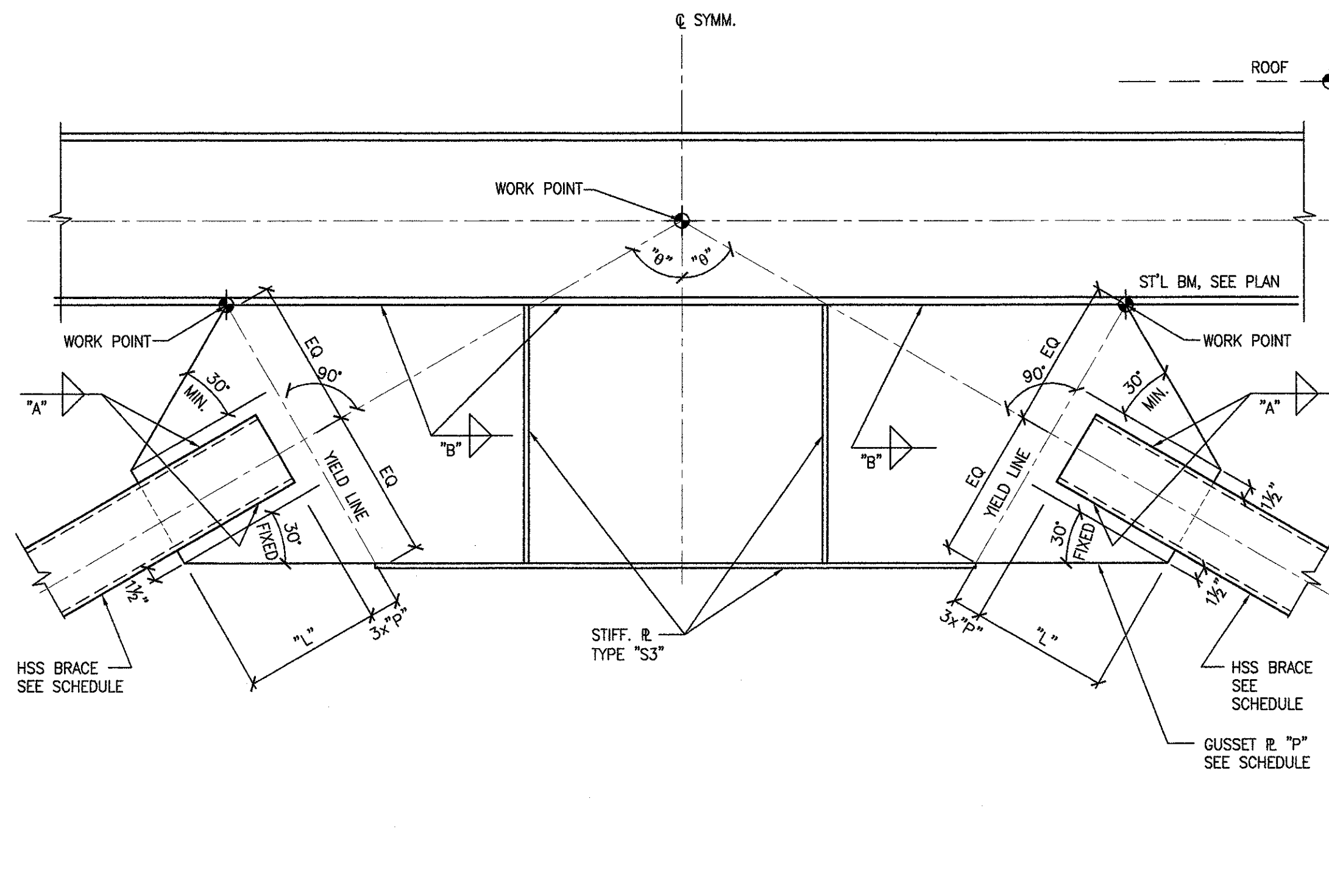
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20050420.17070669_K3_Skyline_Community_College_Dwg\Inet\Rev\1\SKC-S9.4.dwg

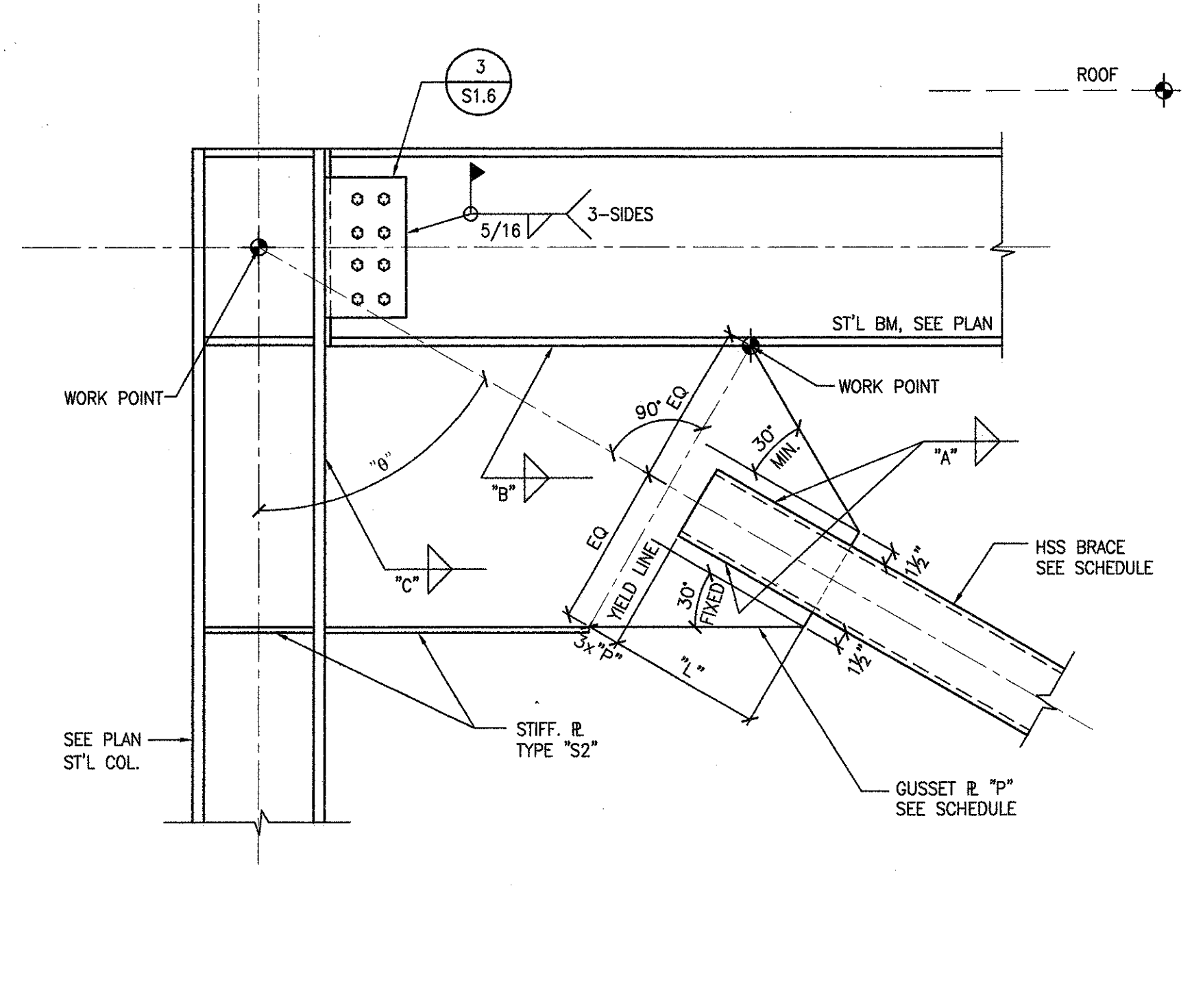
SEE RFI 0008 FOR 30 IN/2



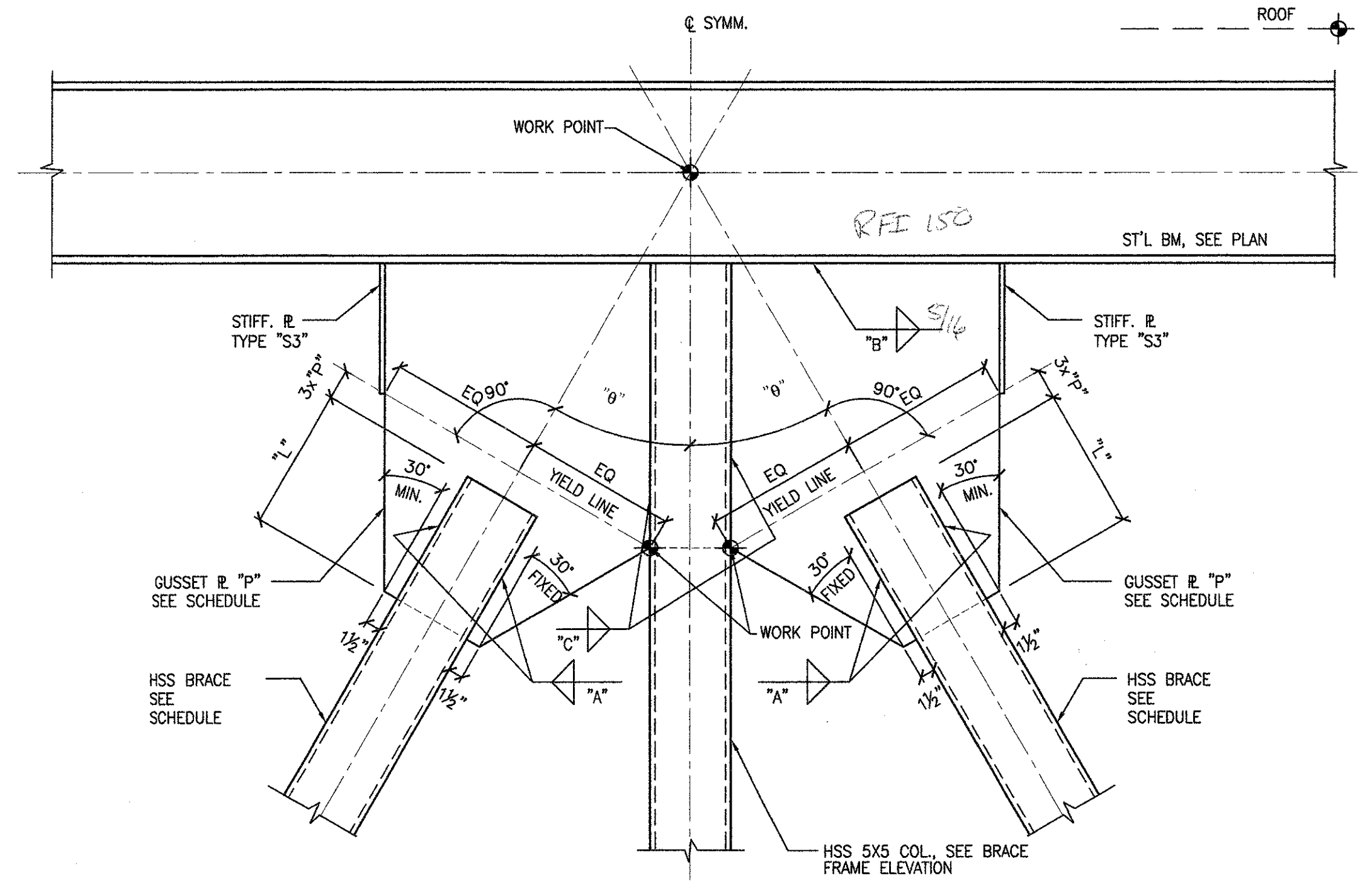
YIELD LINES START AT THE FLANGE OF BEAM



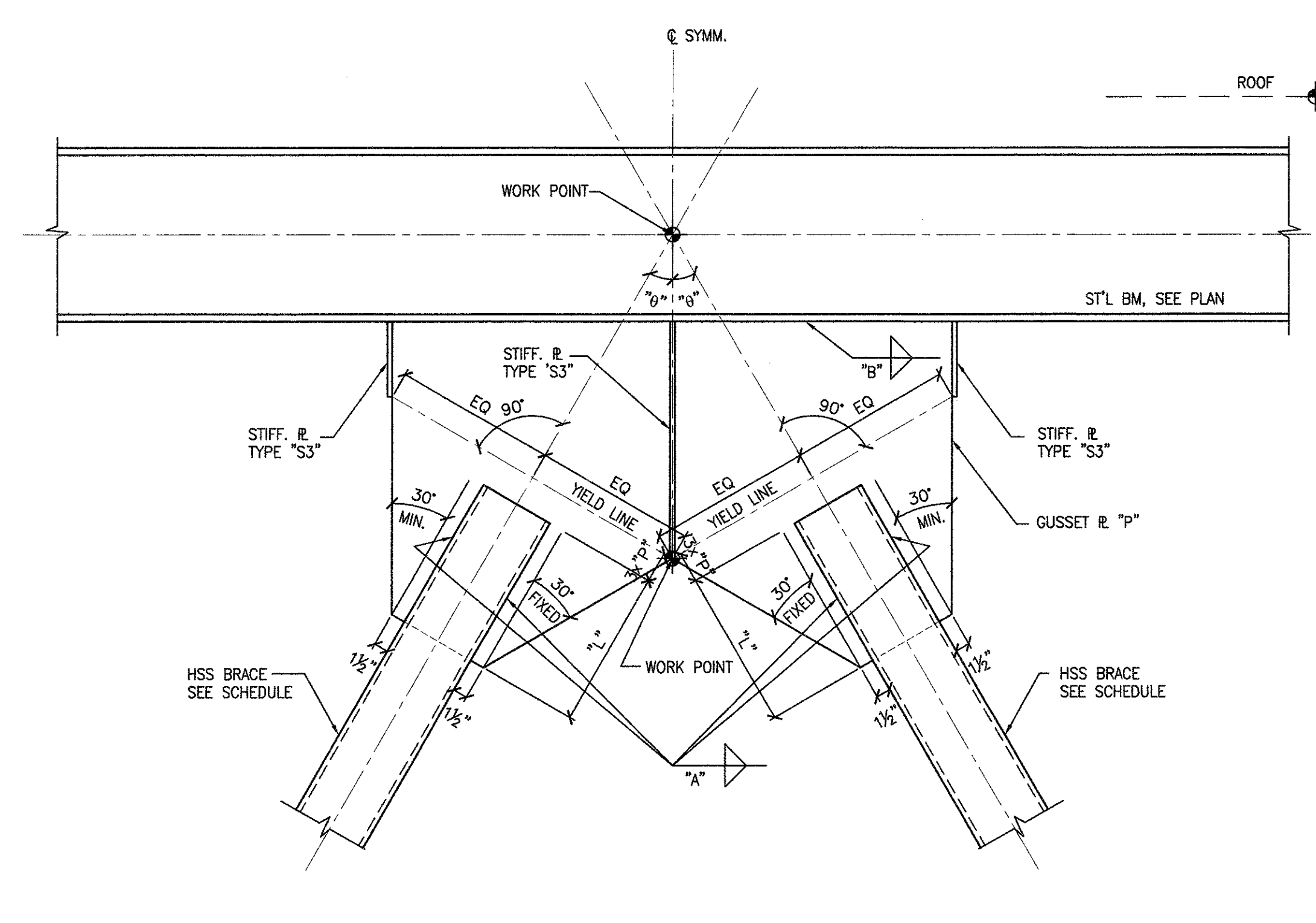
YIELD LINES START AT THE FLANGE OF BEAM



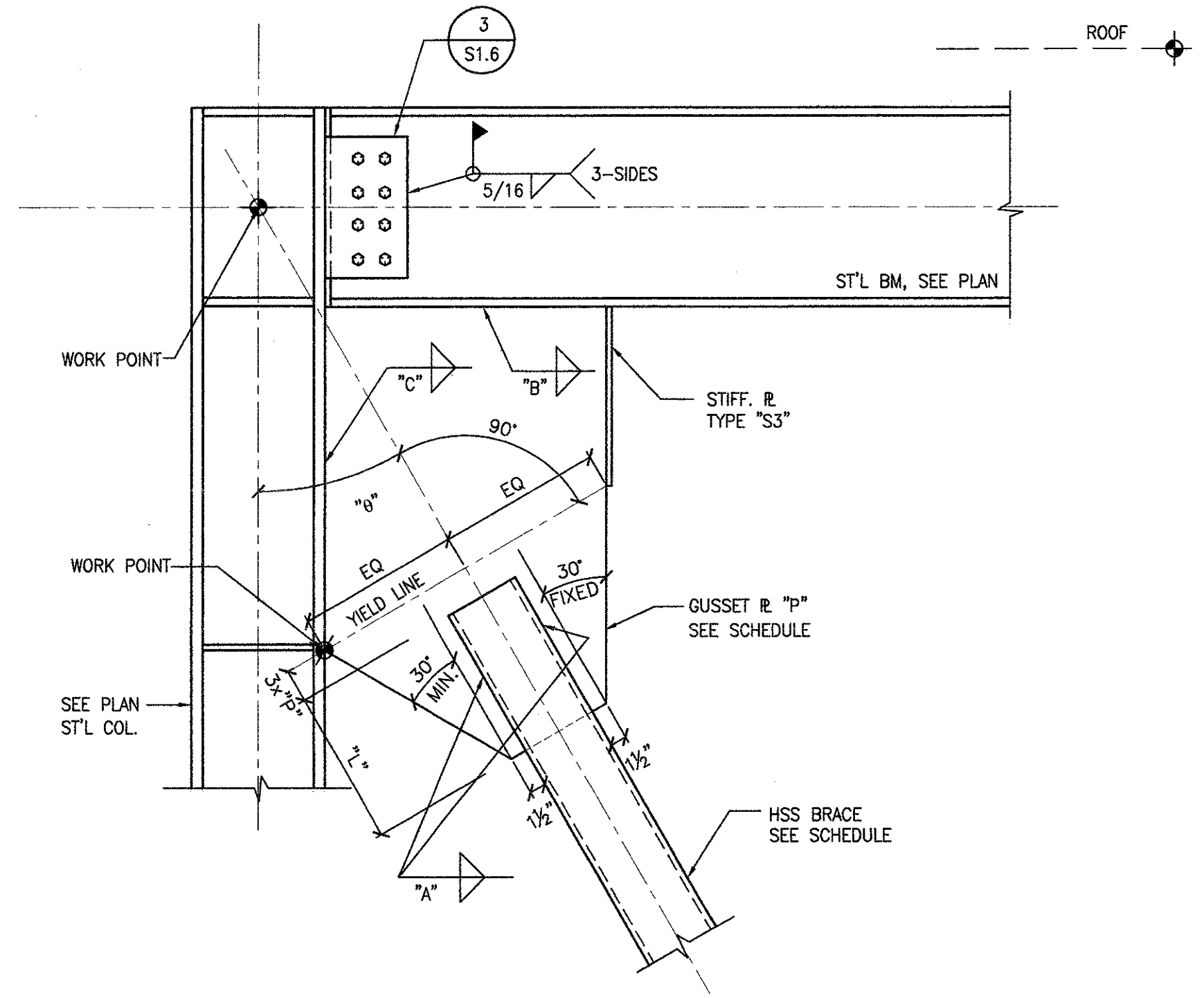
YIELD LINE STARTS AT THE FLANGE OF COLUMN



YIELD LINES START AT THE FACES OF COLUMN



YIELD LINES START AT THE CENTER LINE OF GUSSET PLATE



YIELD LINE STARTS AT THE FLANGE OF COLUMN

3 CONNECTION DETAIL BF-2C
SCALE: N.T.S.

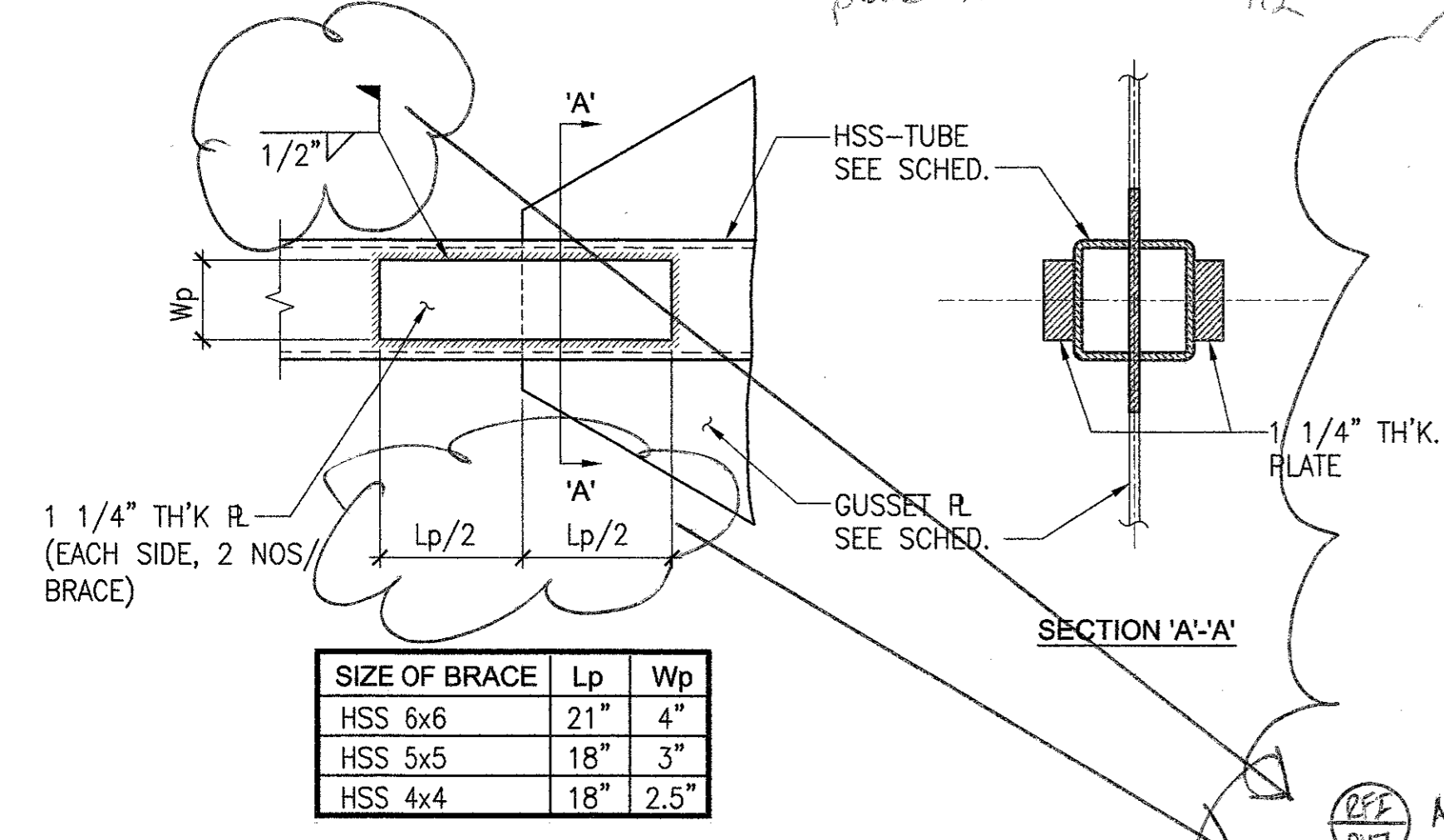
2 CONNECTION DETAIL BF-1B, BF-2A, BF-1D, BF-3A
SCALE: N.T.S.

1 CONNECTION DETAIL BF-1C, BF-1E
SCALE: N.T.S.

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20050420.17073937 KV:Skylines Community College\Drawings\Inch1_Rev-1\SKY-S9.5.dwg

REF 190 acceptable to weld/stiffen plate to IS nominal Lp/2



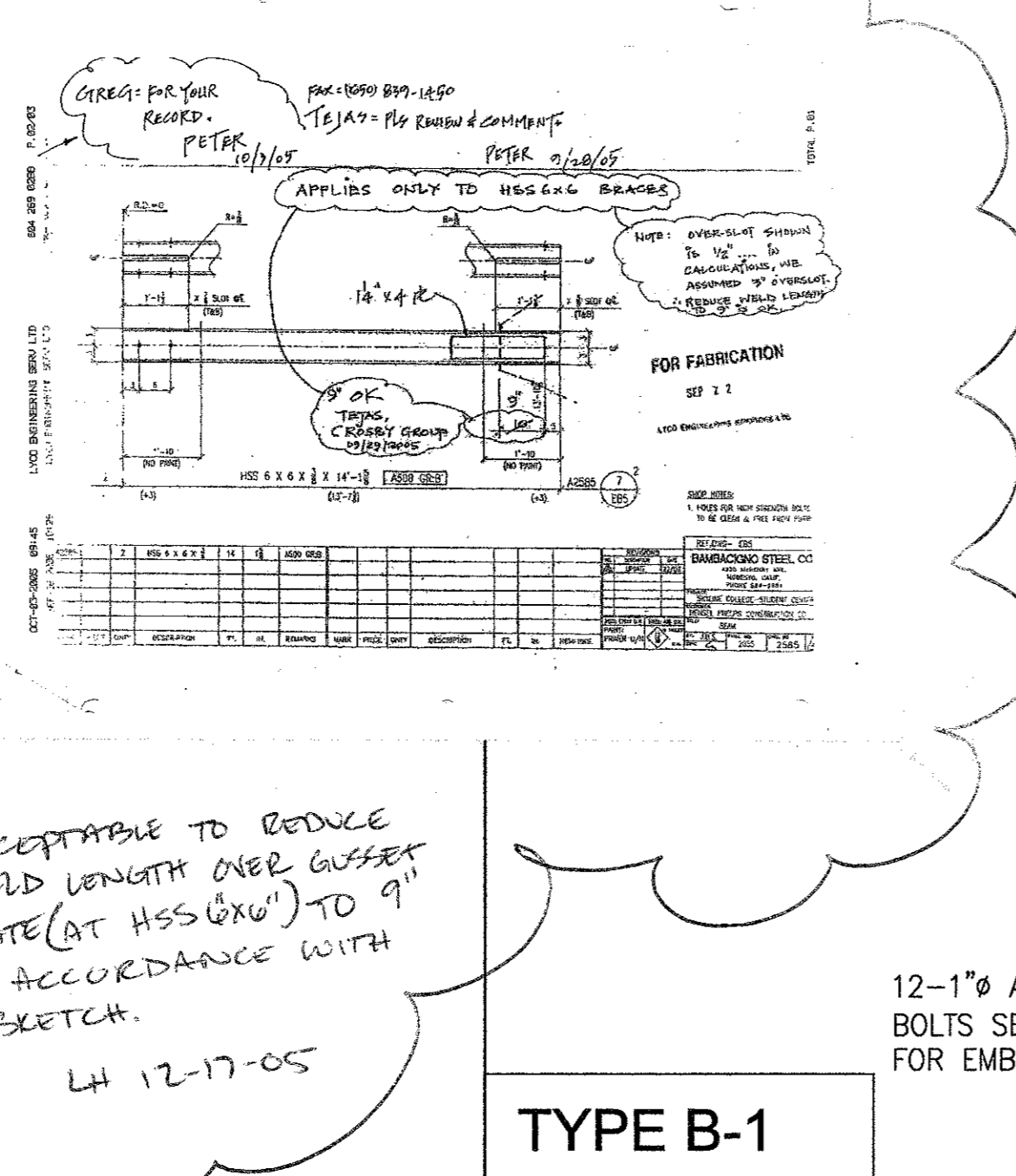
NOTE: BRACE OVER-SLOT NOT TO EXCEED 1 1/2"

REF 189 Allow 7/8" & 5/16" weld 1/4" plate over 3/8" slot

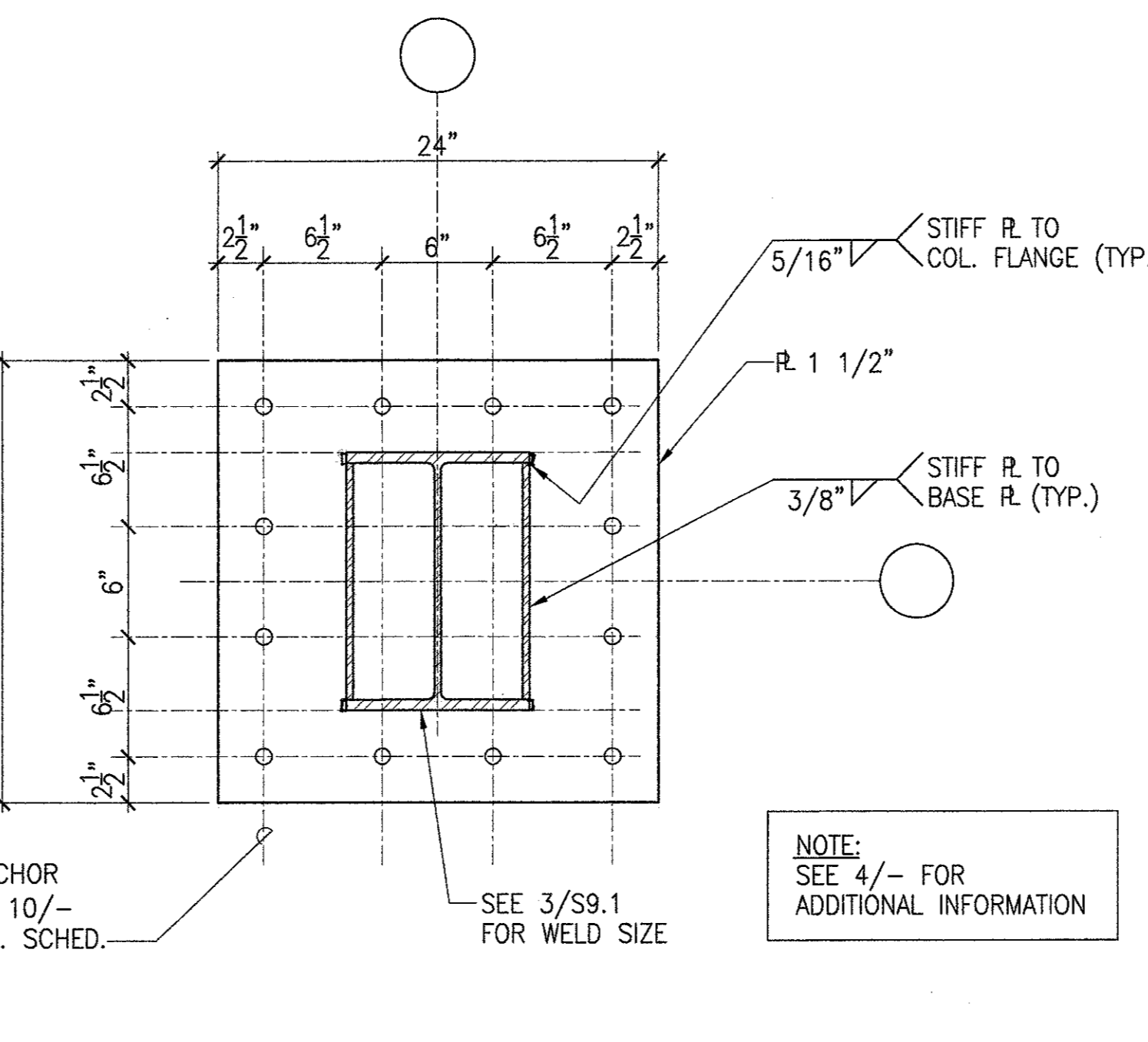
ACCEPTABLE TO REDUCE WELD LENGTH OVER GUSSET PLATE (AT HSS Lp/2) TO 9" IN ACCORDANCE WITH SKETCH. Ld 12-17-05

SIZE OF BRACE	Lp	Wp
HSS 6x6	21"	4"
HSS 5x5	18"	3"
HSS 4x4	18"	2.5"

9 BRACE OVER-SLOT REINFORCEMENT PLATE
SCALE: 1 1/2"=1'-0"



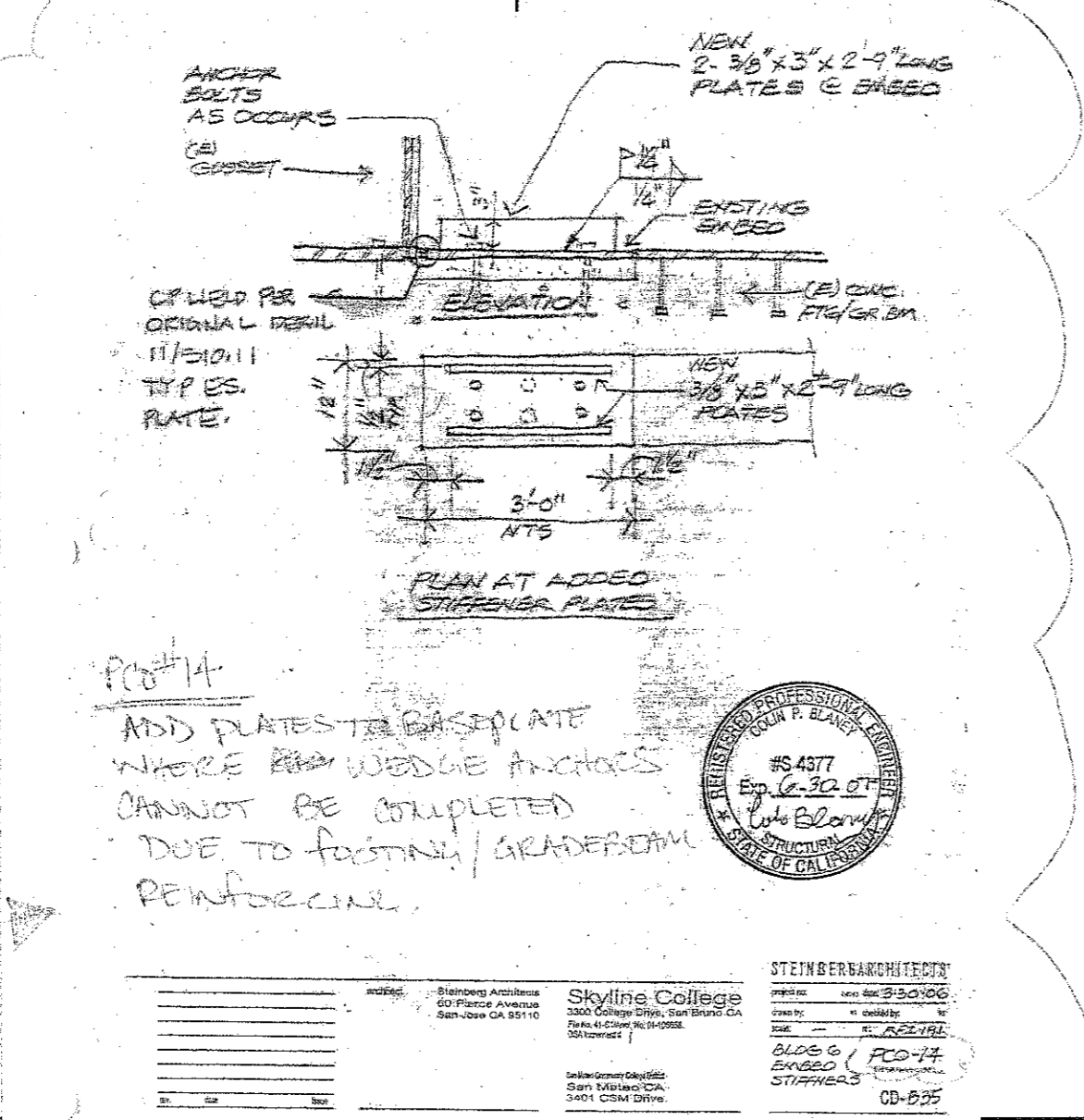
TYPE B-1
SCALE: 1 1/2"=1'-0"



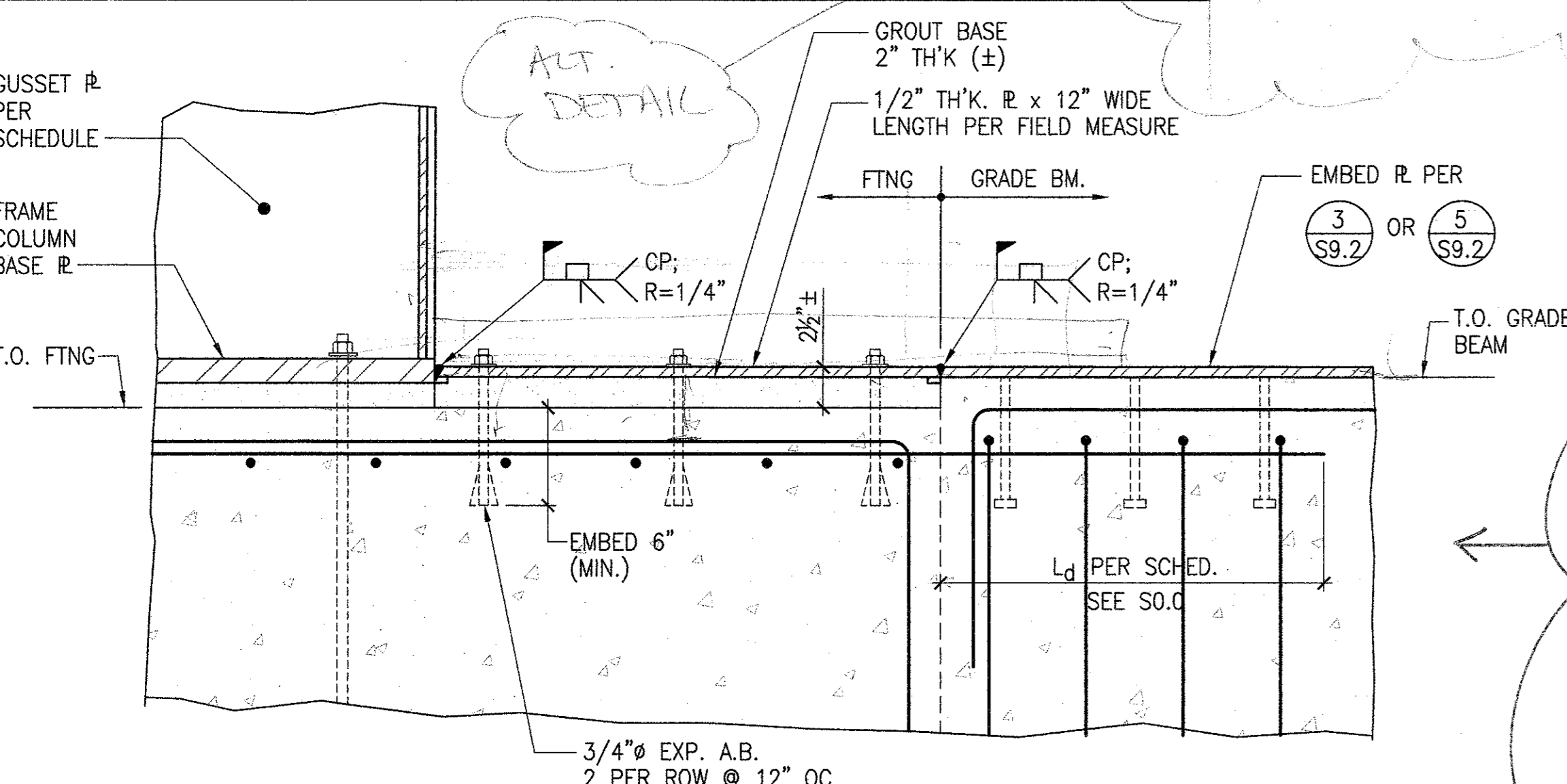
TYPE A-1 SINGLE BRACING TO COLUMN CONDITION
SCALE: 1 1/2"=1'-0"

FTNG TYPE	EMBED. IN FTNG	REMARKS
F6	20	-
F7	20	-
F8	24	-
F9	27	-
F10	27	-
F11	33	-
CF-X	24	-
CIP WALL / CONC. PILASTER	36	WHERE FRAME COL. STOPS ON TOP OF CIP WALL / CONC PILASTER

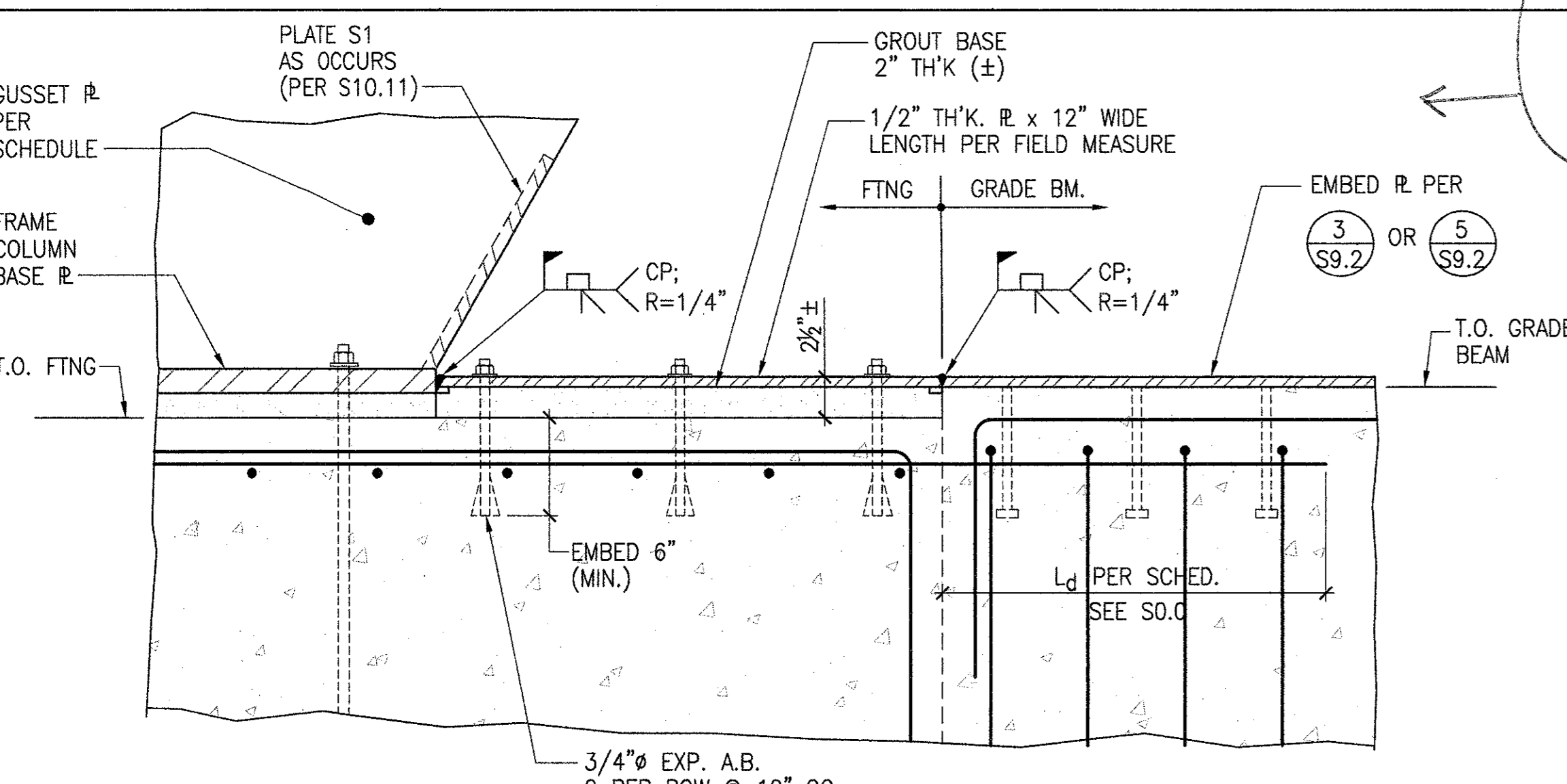
10 FRAME COLUMN ANCHOR BOLT SCHEDULE
SCALE: 1 1/2"=1'-0"



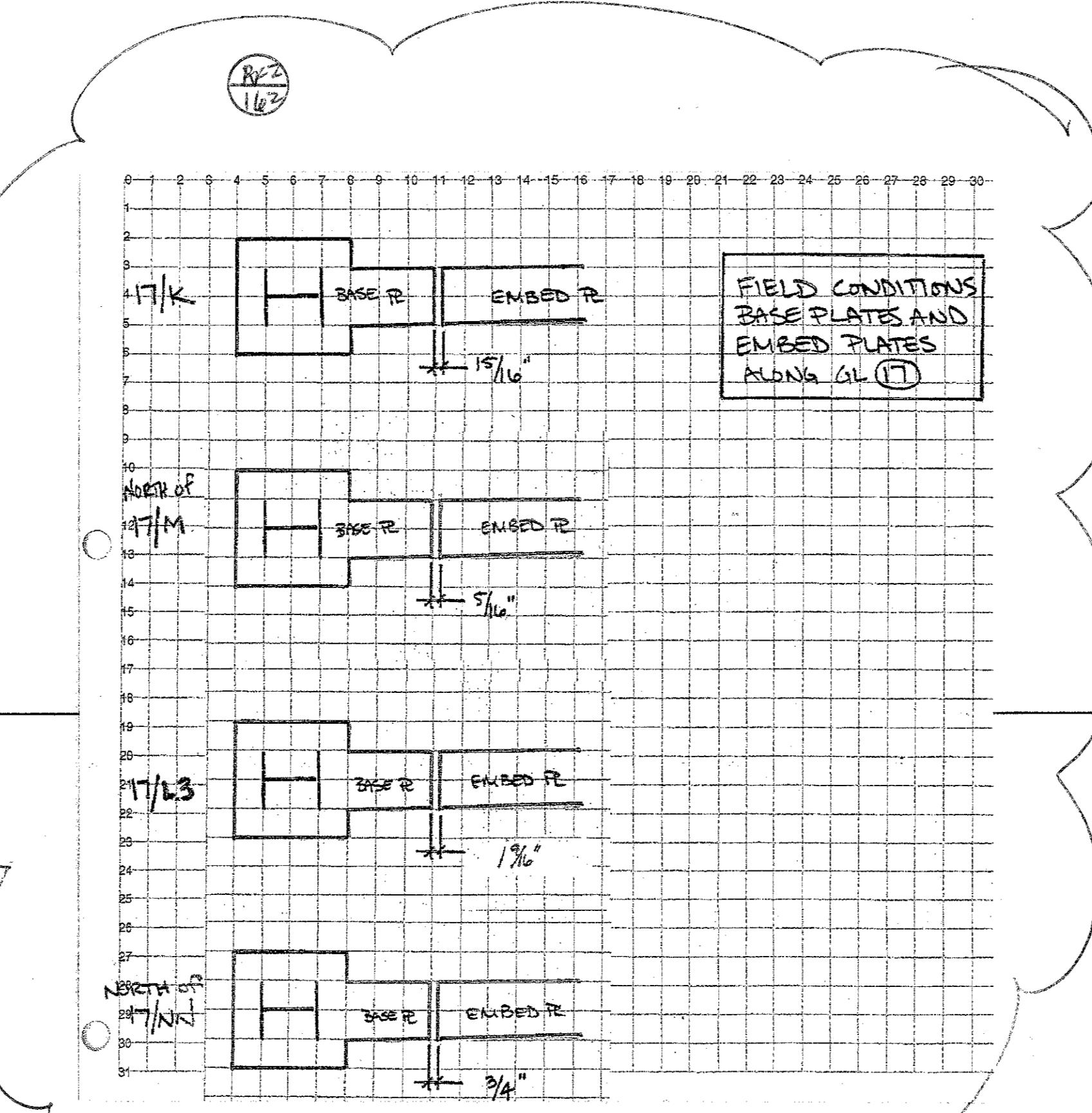
SCALE: 1 1/2"=1'-0"



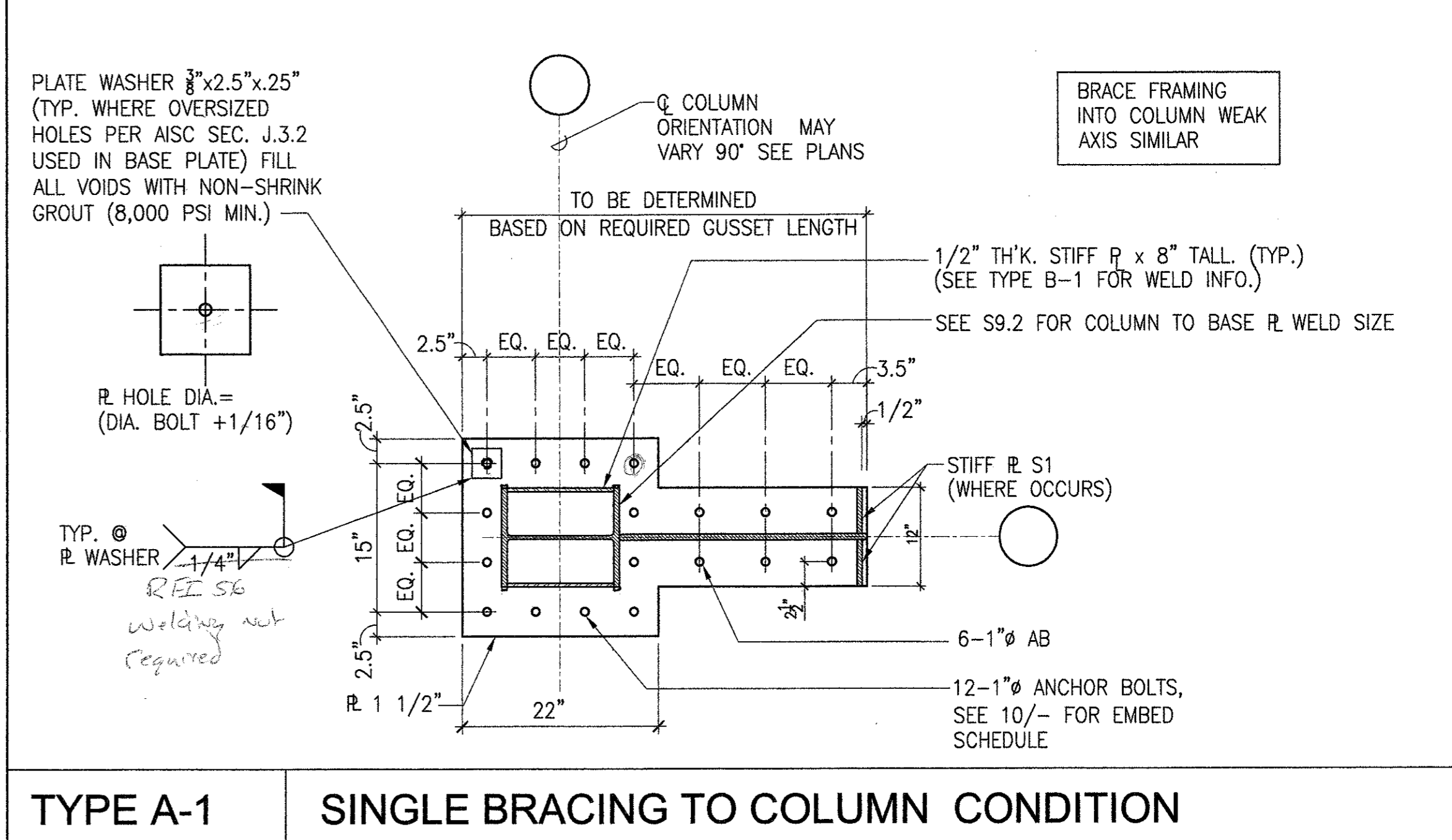
11 ENLARGED SECTION @ BRACE FRAME
SCALE: 1 1/2"=1'-0"



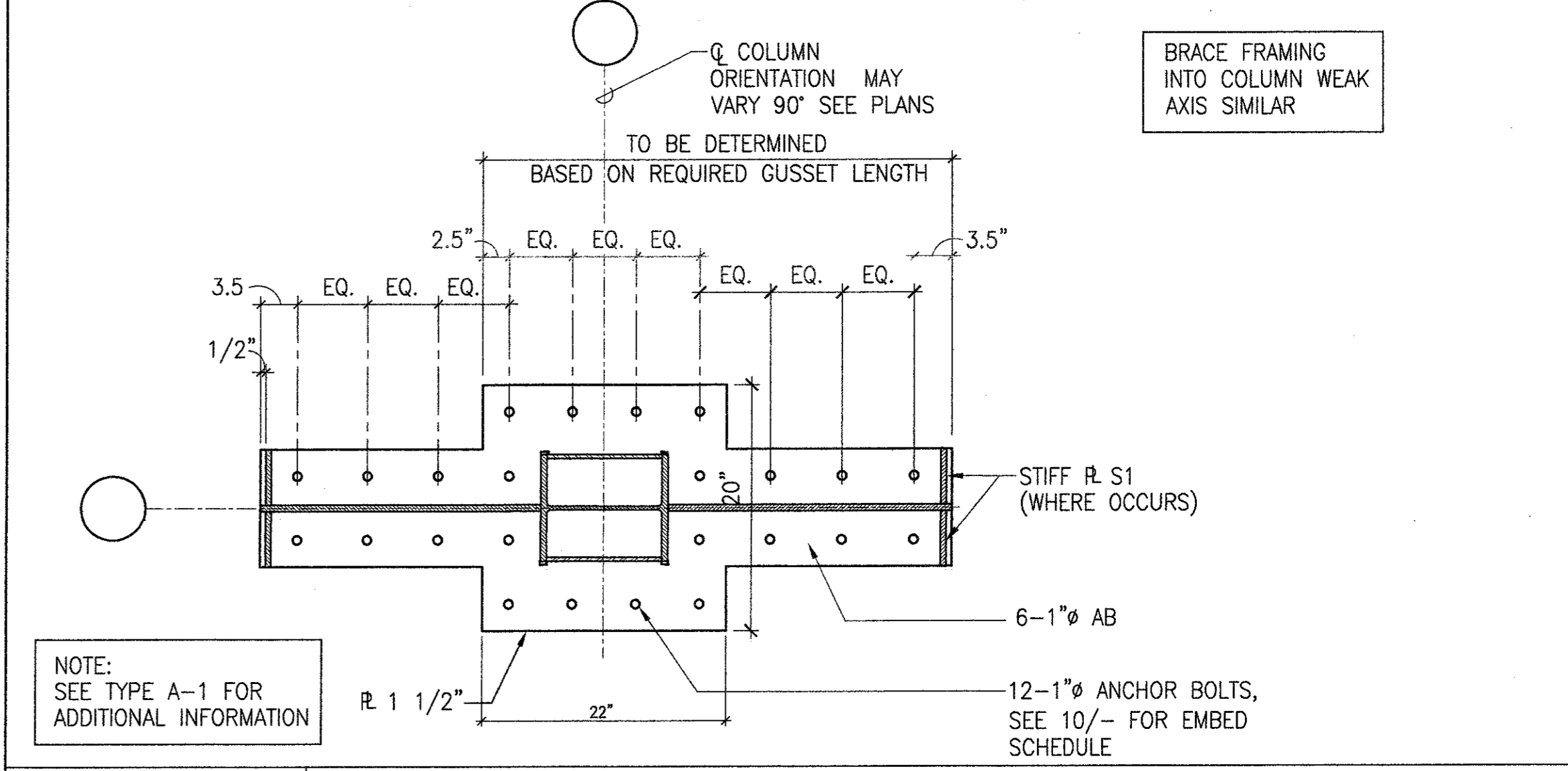
12 ENLARGED SECTION @ BRACE FRAME
SCALE: 1 1/2"=1'-0"



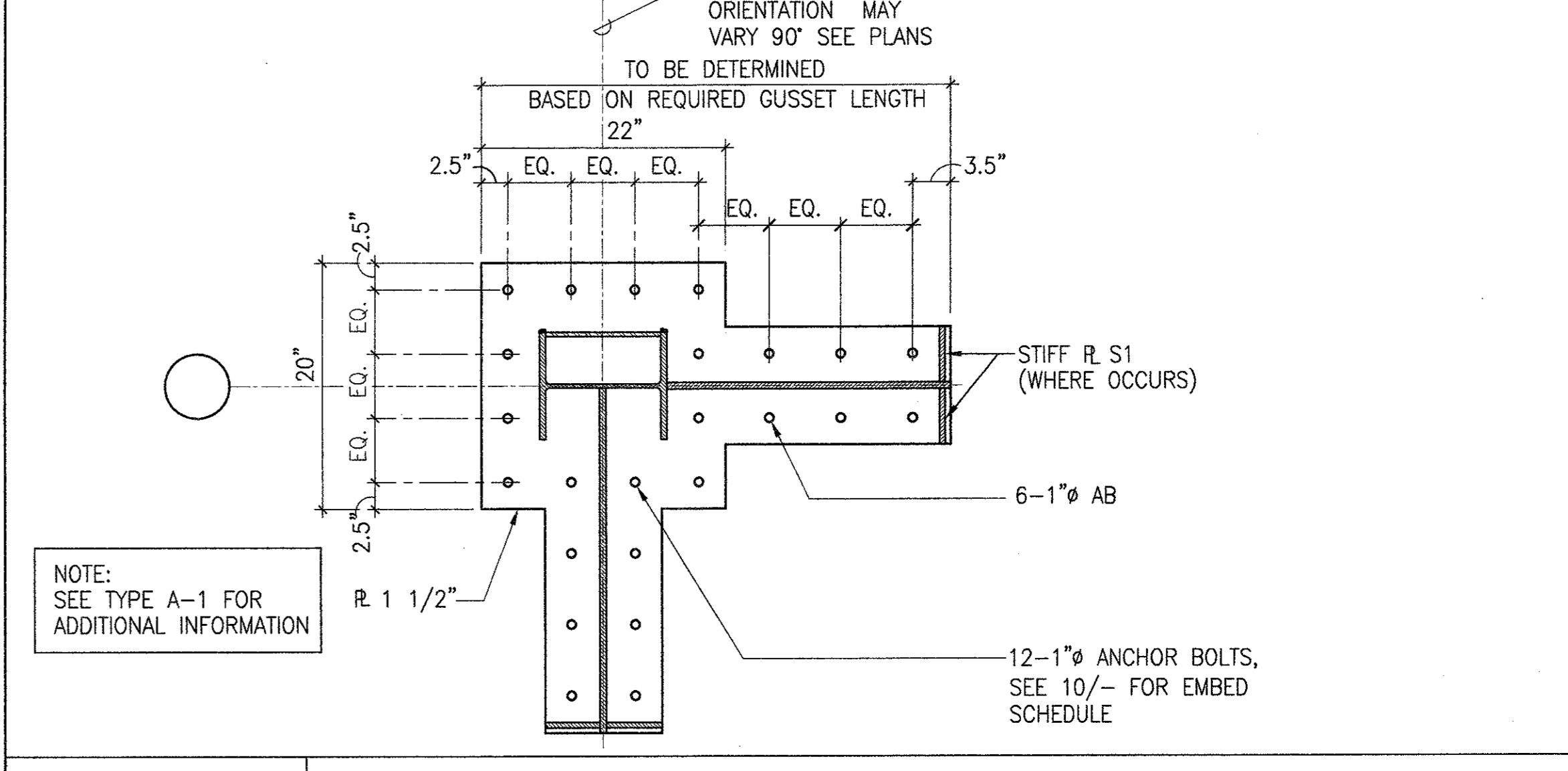
8 TYPE "B" BASE PLATE (W14x COLUMNS)
SCALE: 1 1/2"=1'-0"



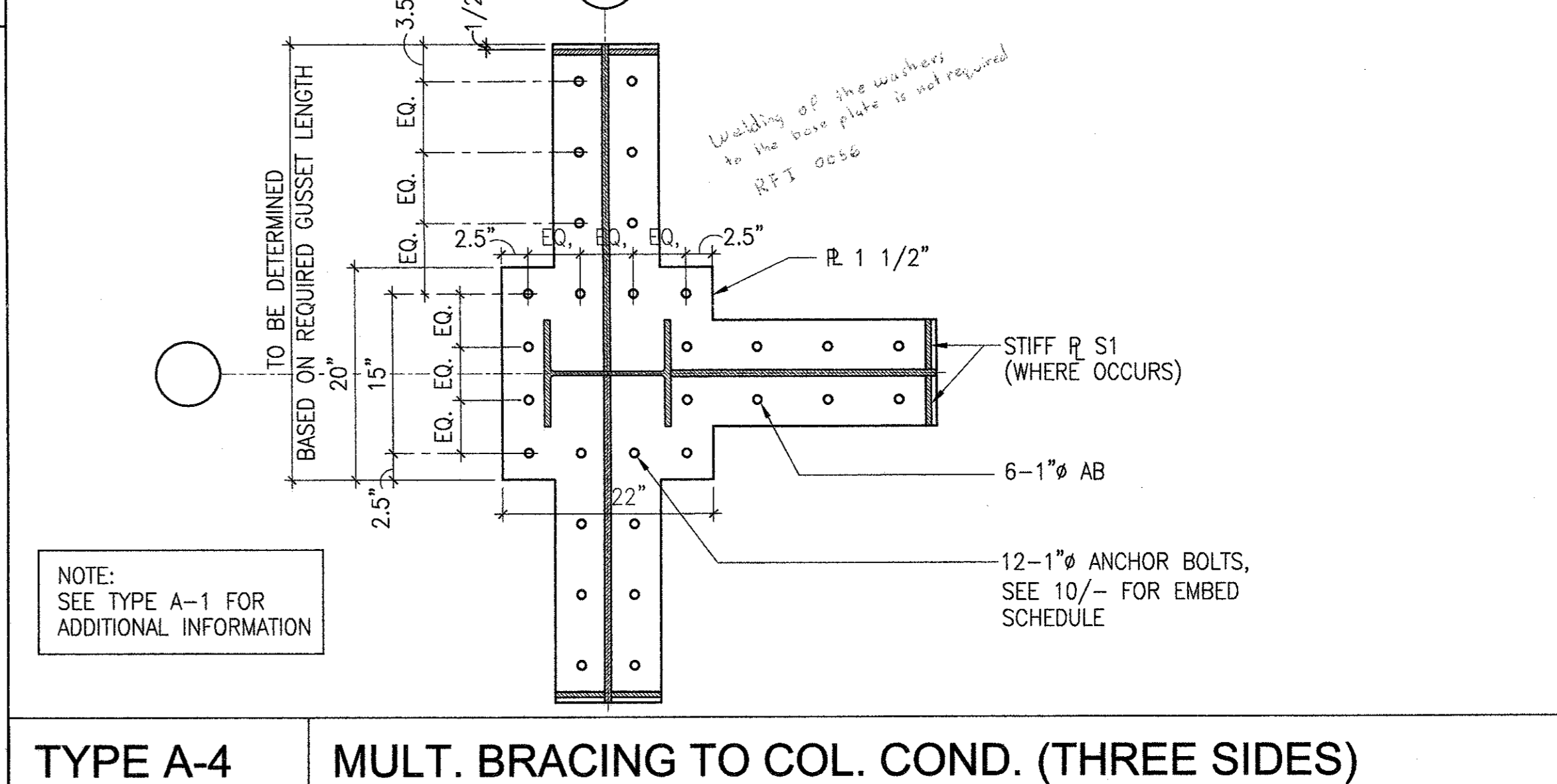
TYPE A-2 MULT. BRACING TO COL. CONDITION (IN LINE)
SCALE: 1 1/2"=1'-0"



TYPE A-3 MULT. BRACING TO COL. COND. (PERPENDICULAR)
SCALE: 1 1/2"=1'-0"



TYPE A-4 MULT. BRACING TO COL. COND. (THREE SIDES)
SCALE: 1 1/2"=1'-0"



4 TYPE "A" BASE PLATES (W10x & W12x COLUMNS)
SCALE: 1 1/2"=1'-0"

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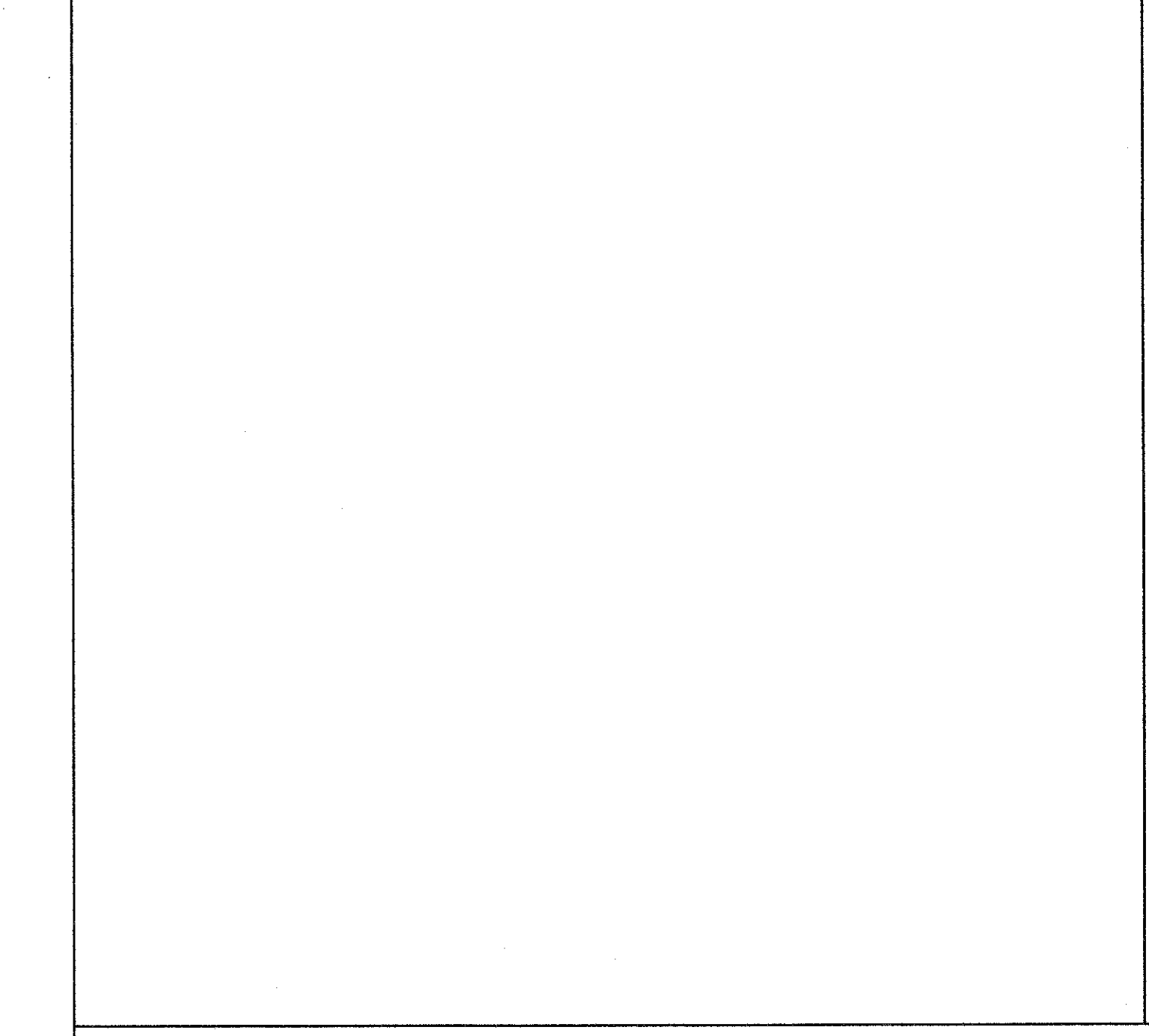
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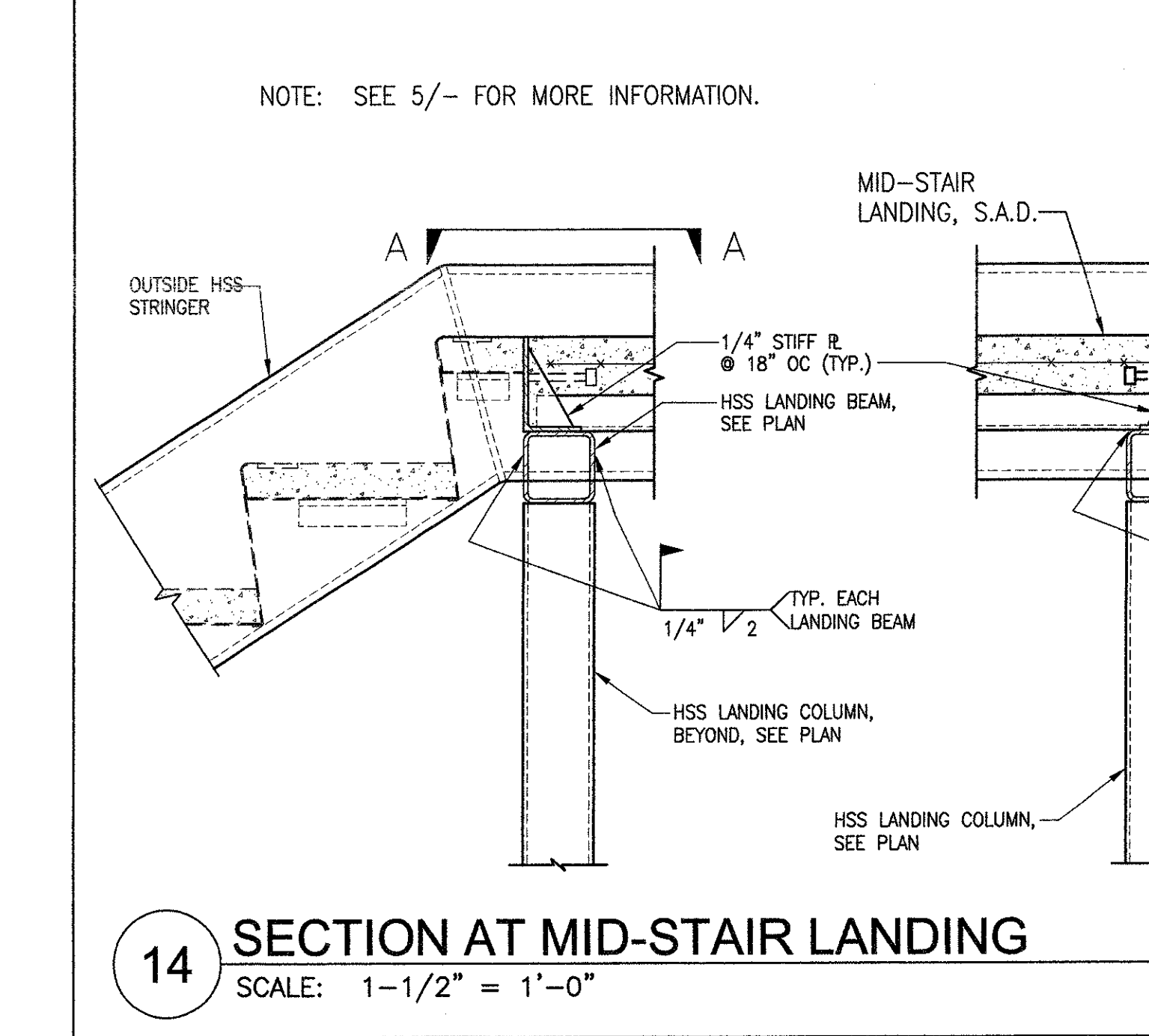
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DATE: 10.21.04

DRAWING TITLE: BASE PLATE DETAILS
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER: S10.11

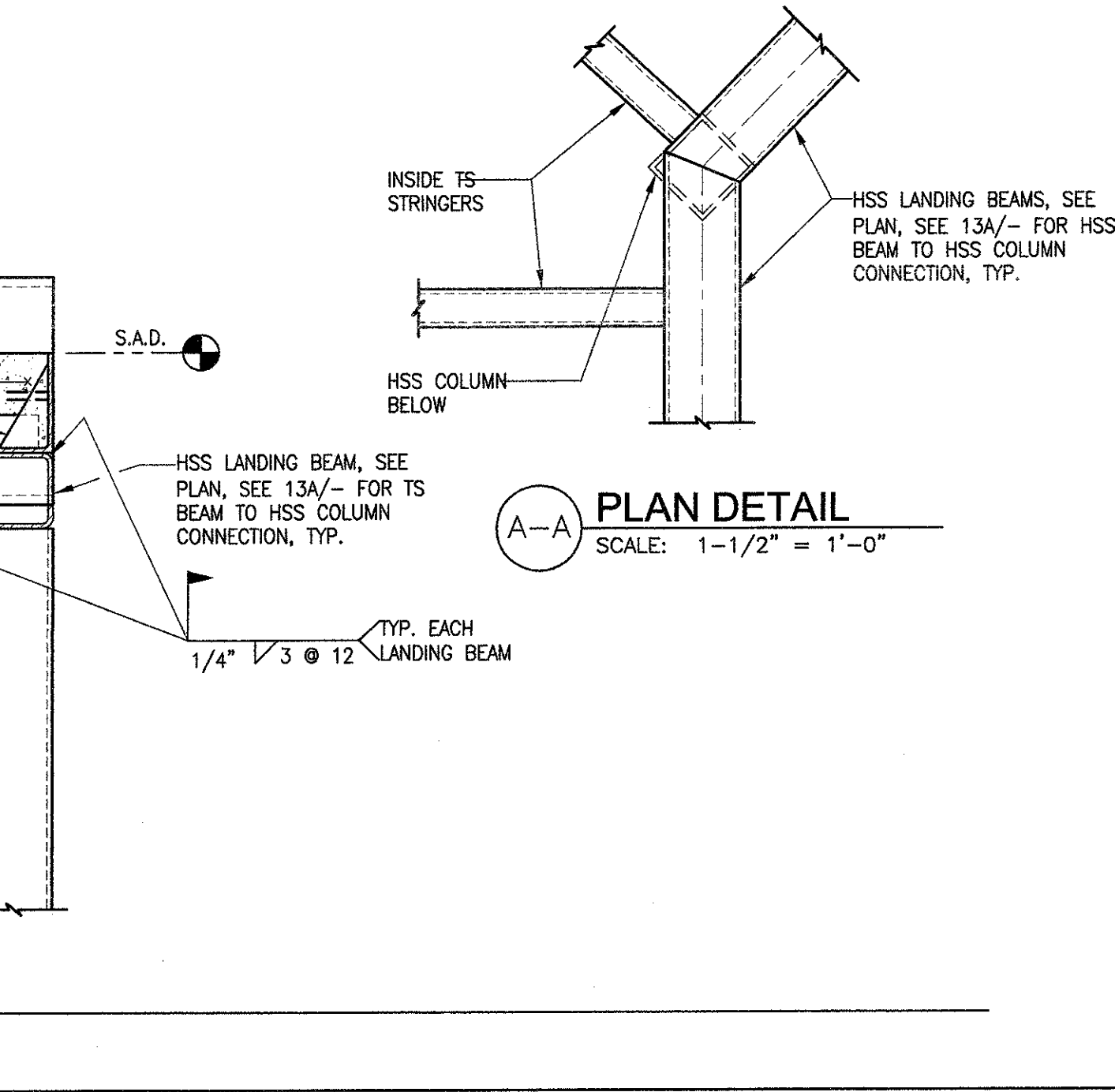
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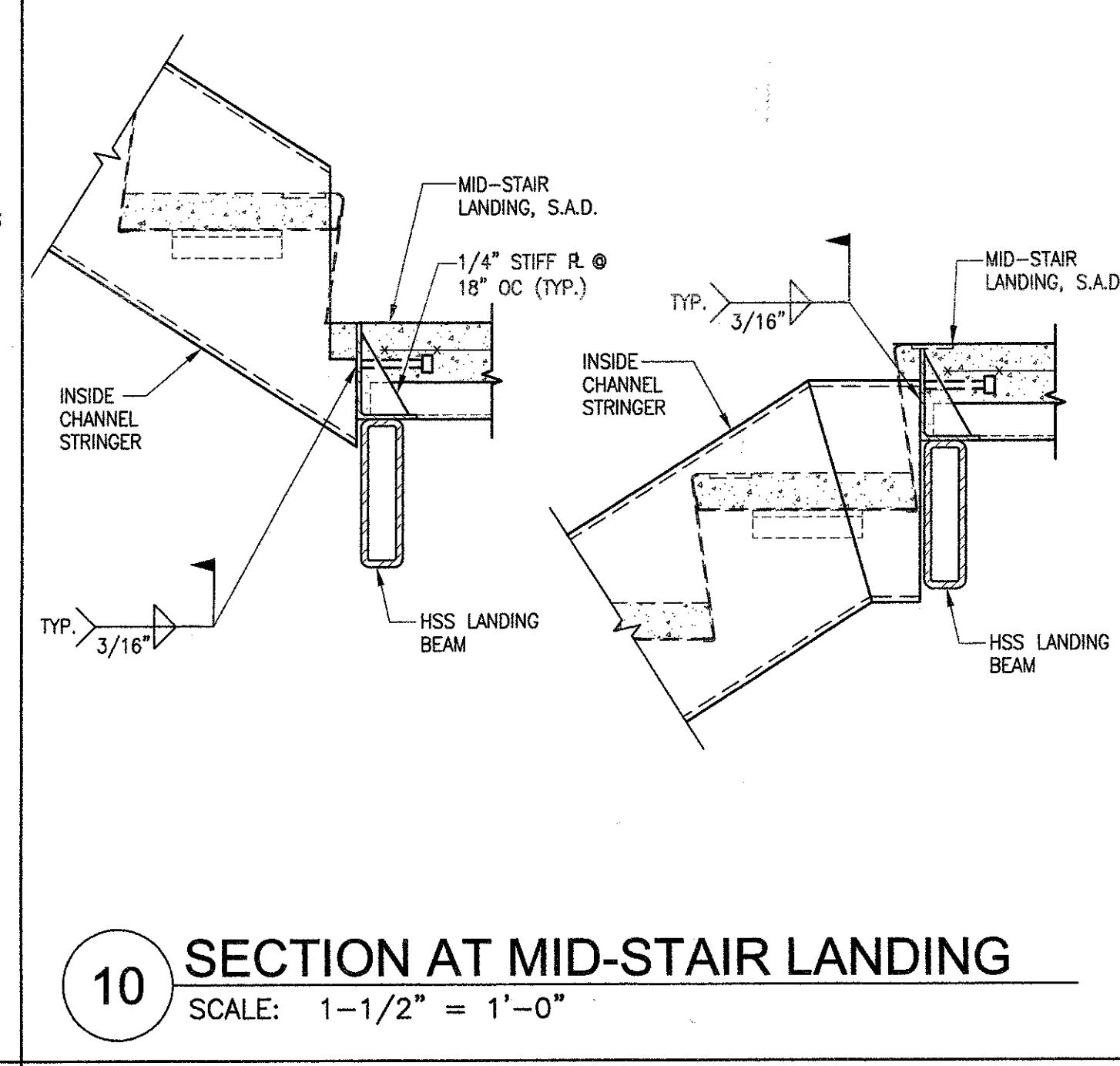
13 TYPICAL HSS CONNECTIONS
SCALE: 1-1/2" = 1'-0"



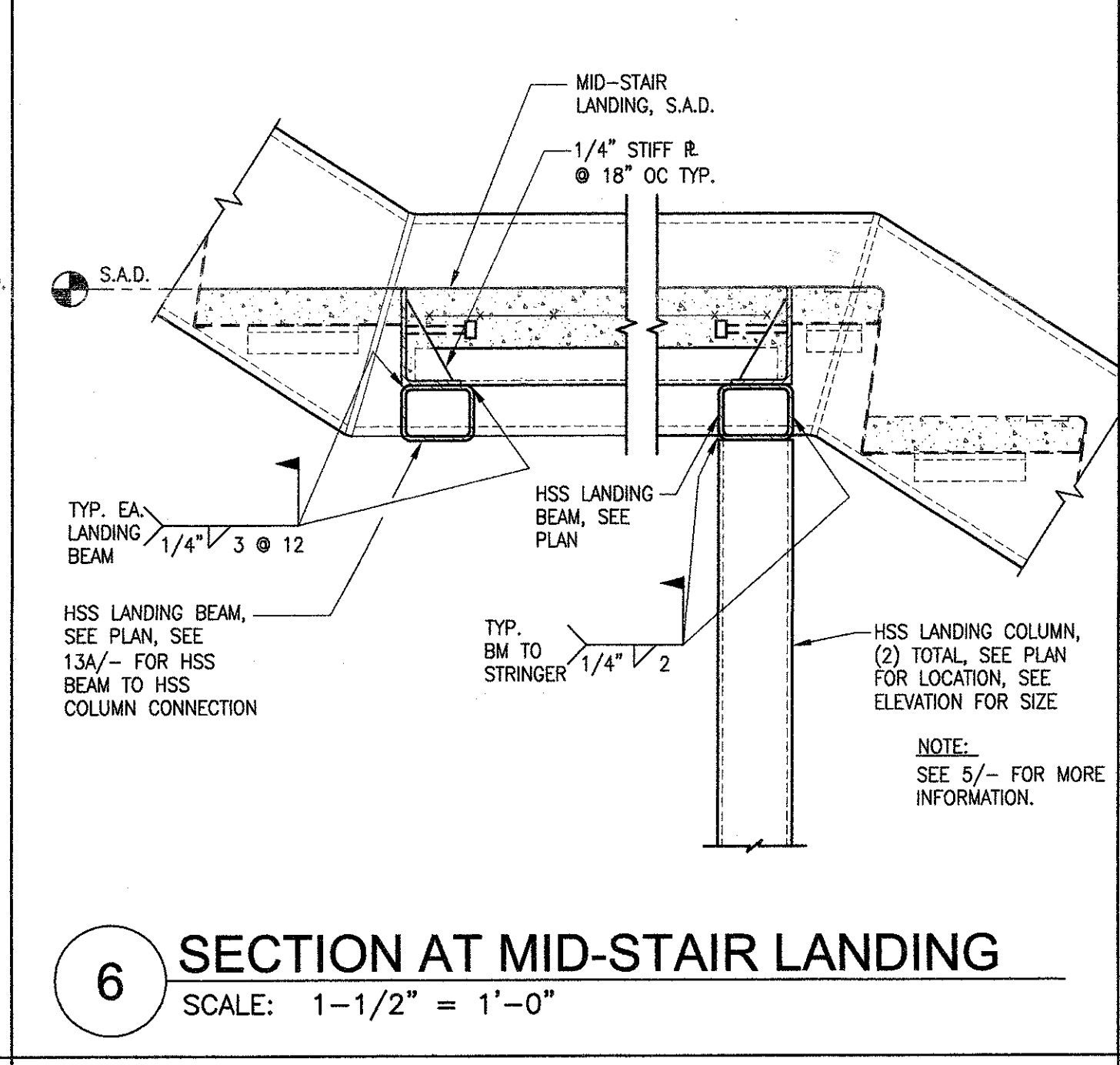
14 SECTION AT MID-STAIR LANDING
SCALE: 1-1/2" = 1'-0"



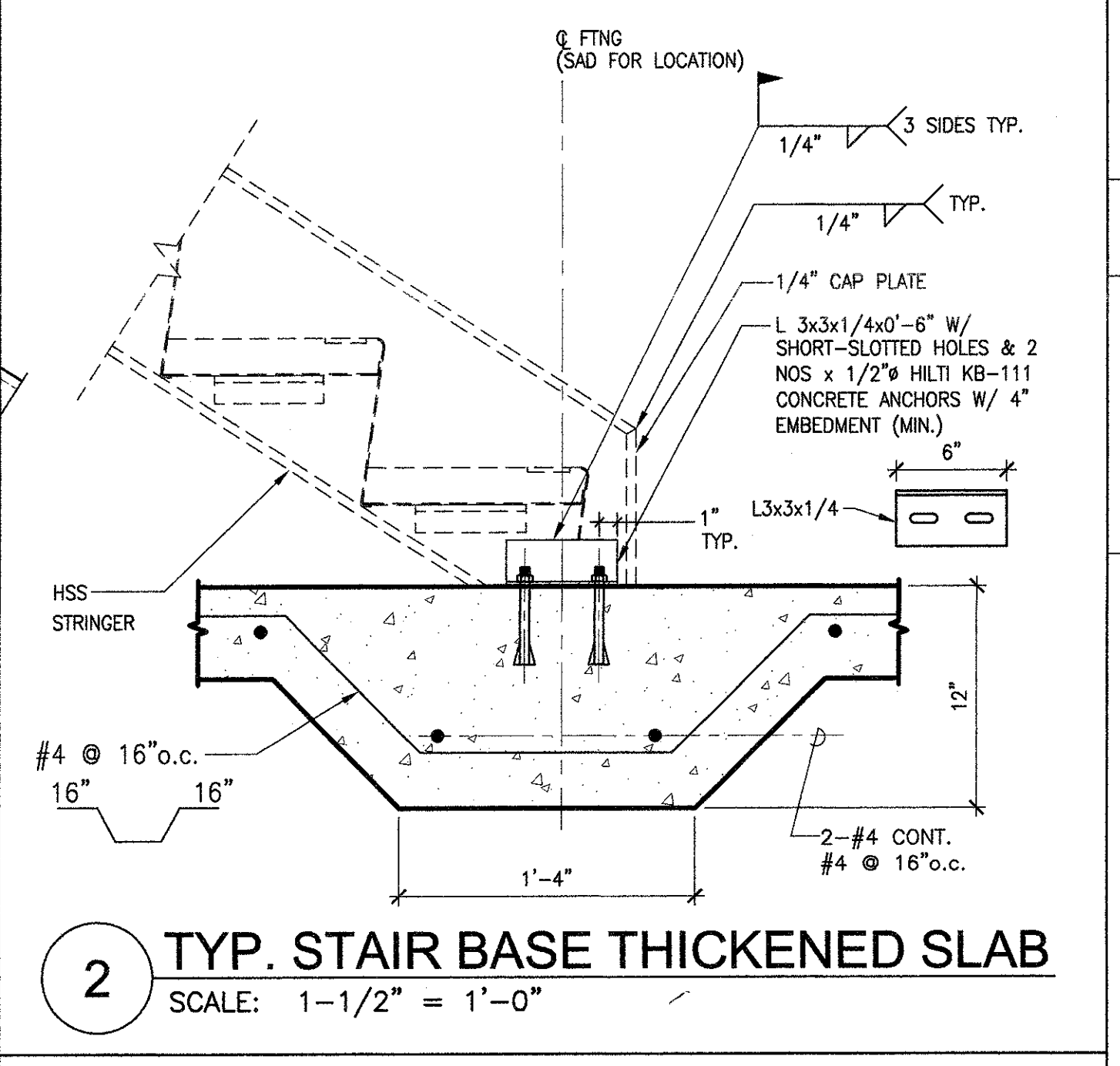
9 SECTION AT STAIRS
SCALE: 1-1/2" = 1'-0"



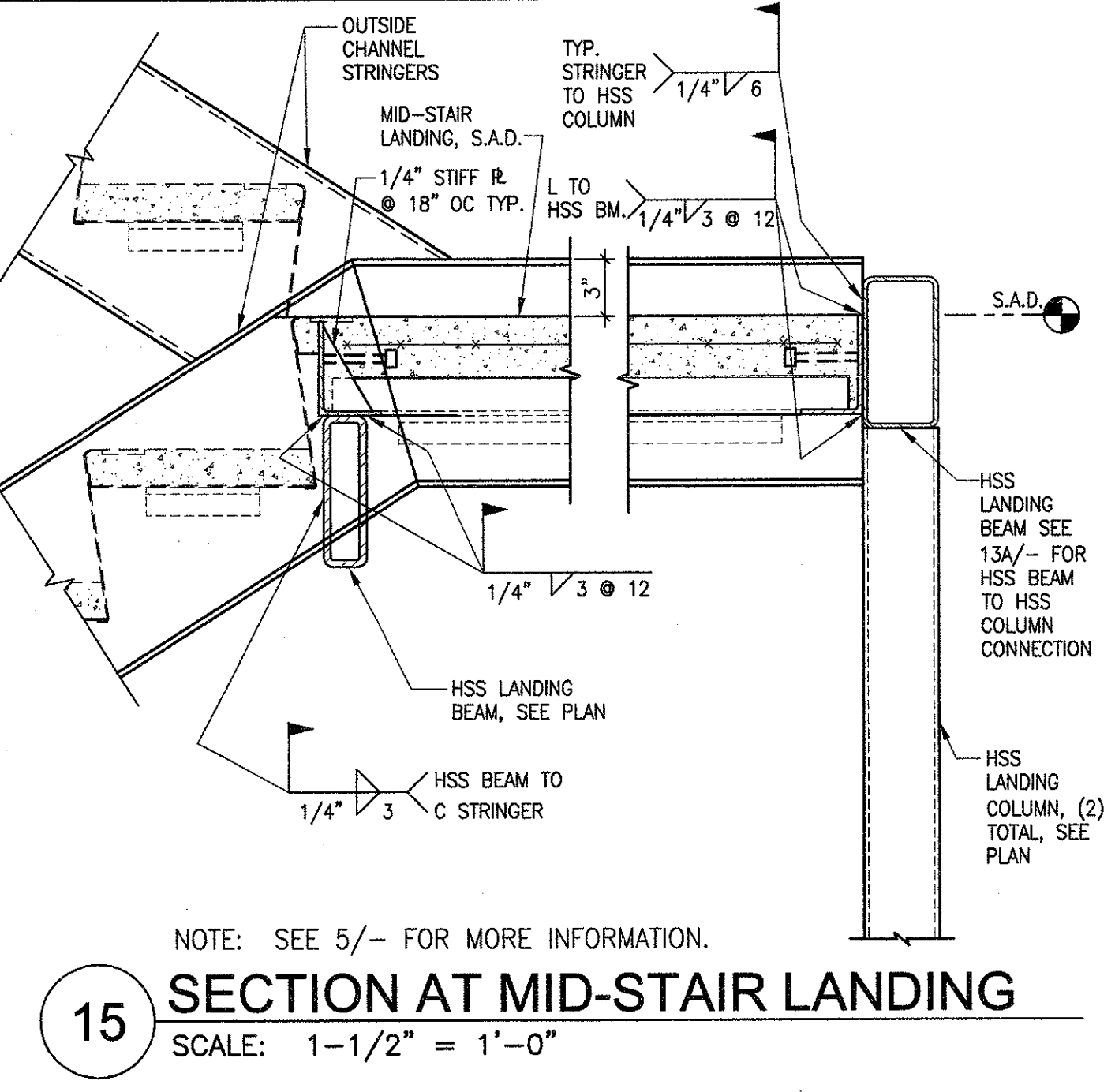
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SCALE: 1-1/2" = 1'-0"



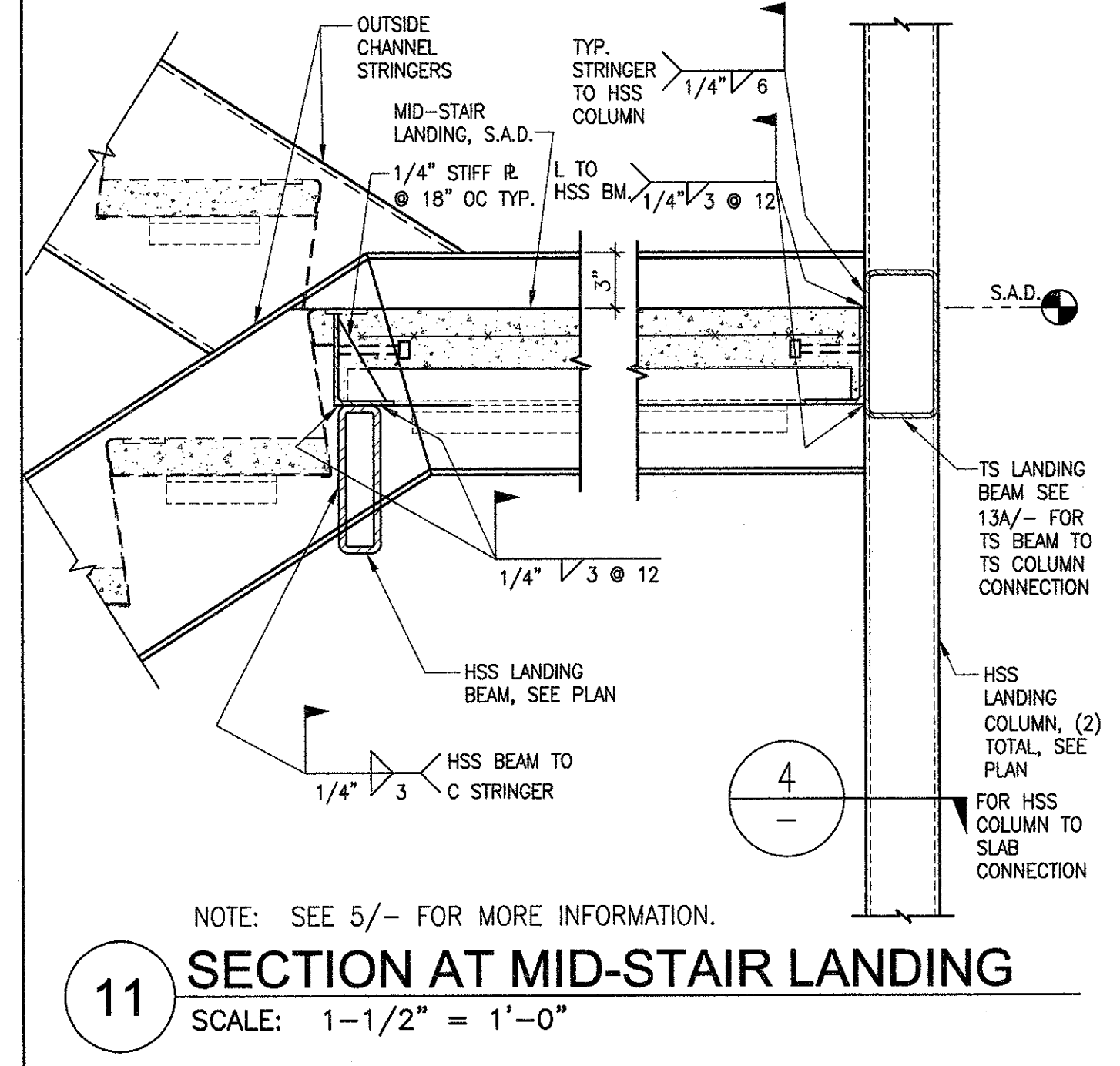
5 SECTION AT STAIRS
SCALE: 1-1/2" = 1'-0"



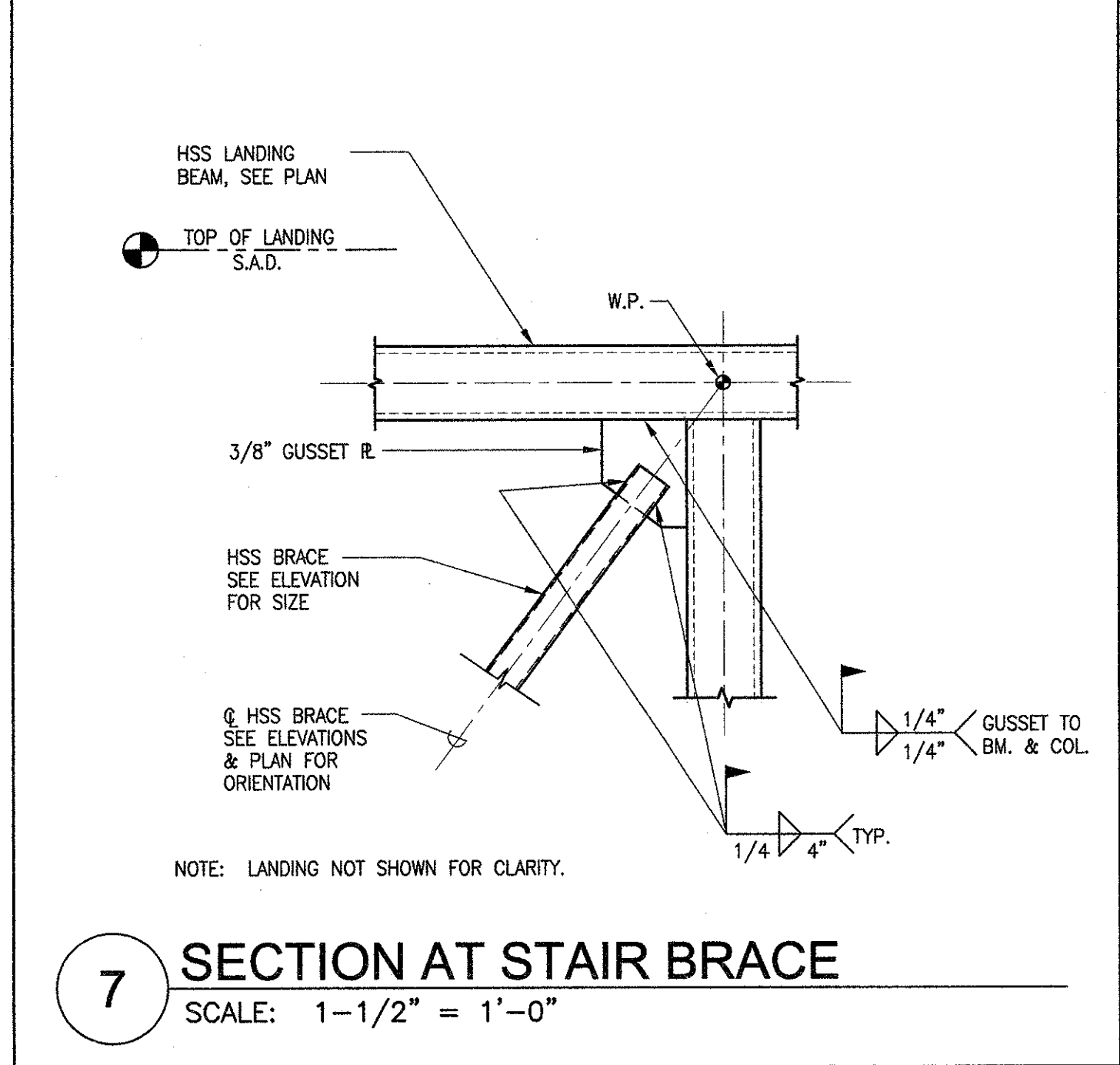
1 SECTION AT GUARDRAIL
SCALE: 1-1/2" = 1'-0"



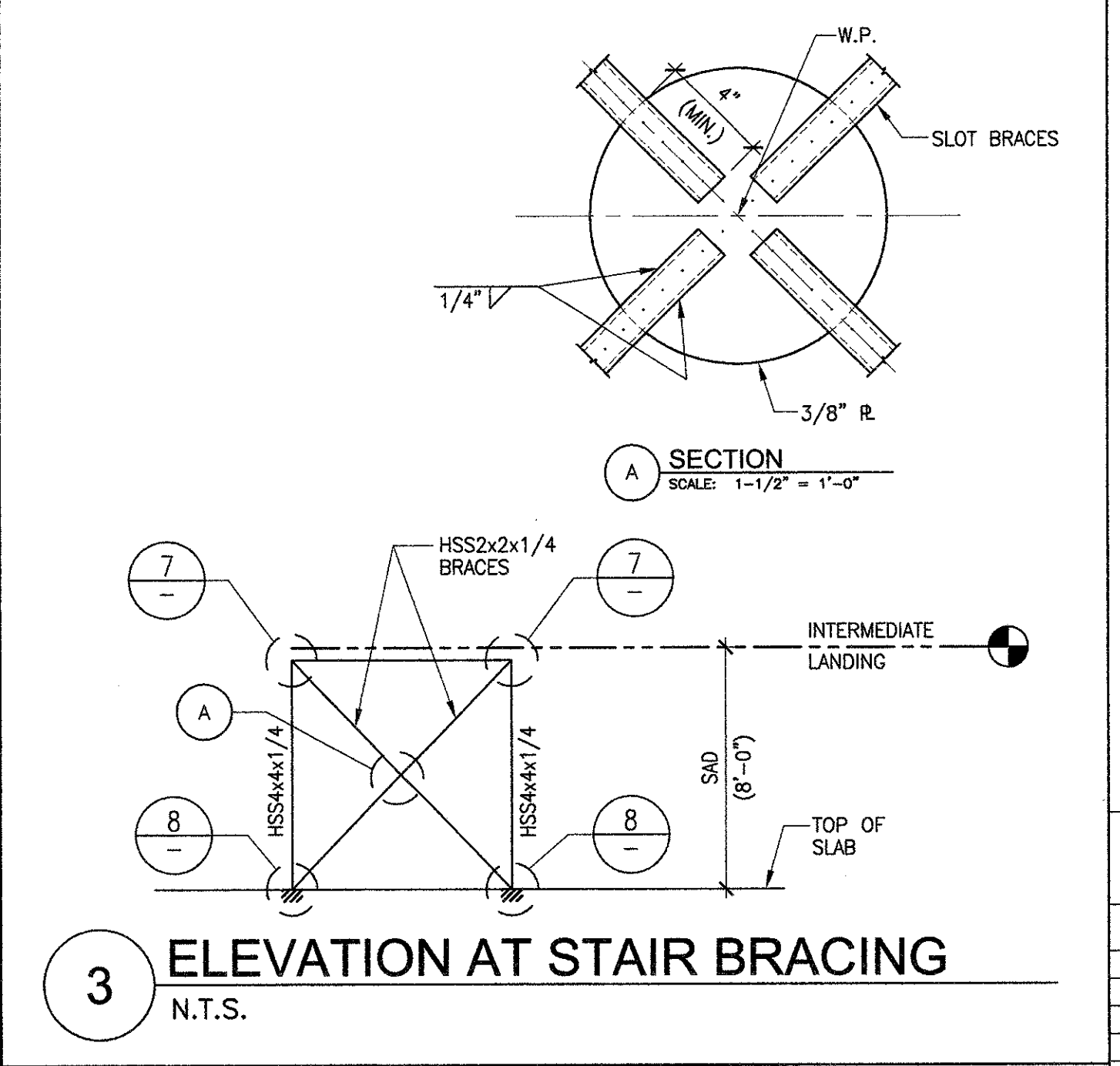
15 SECTION AT MID-STAIR LANDING
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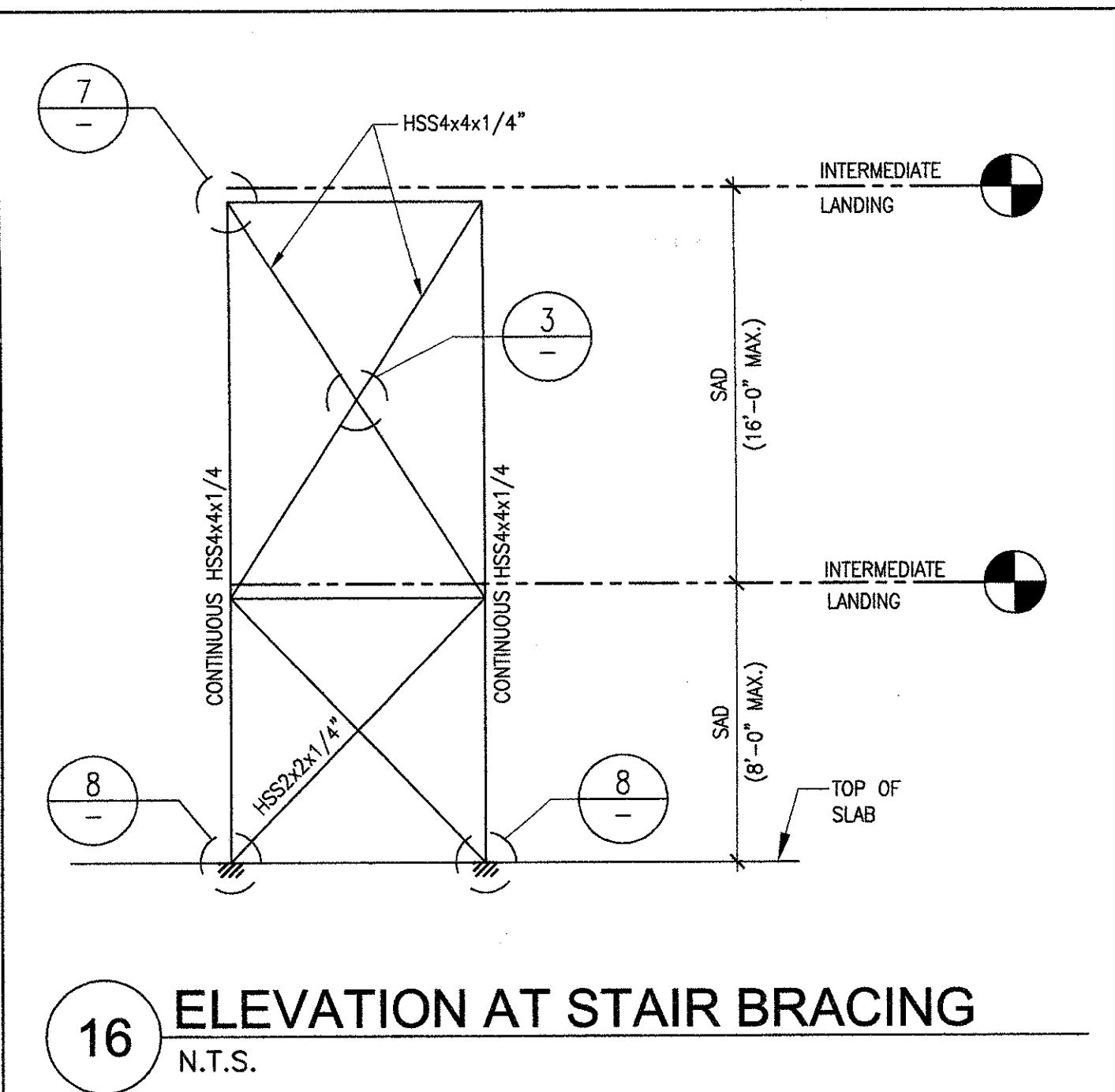
11 SECTION AT MID-STAIR LANDING
SCALE: 1-1/2" = 1'-0"



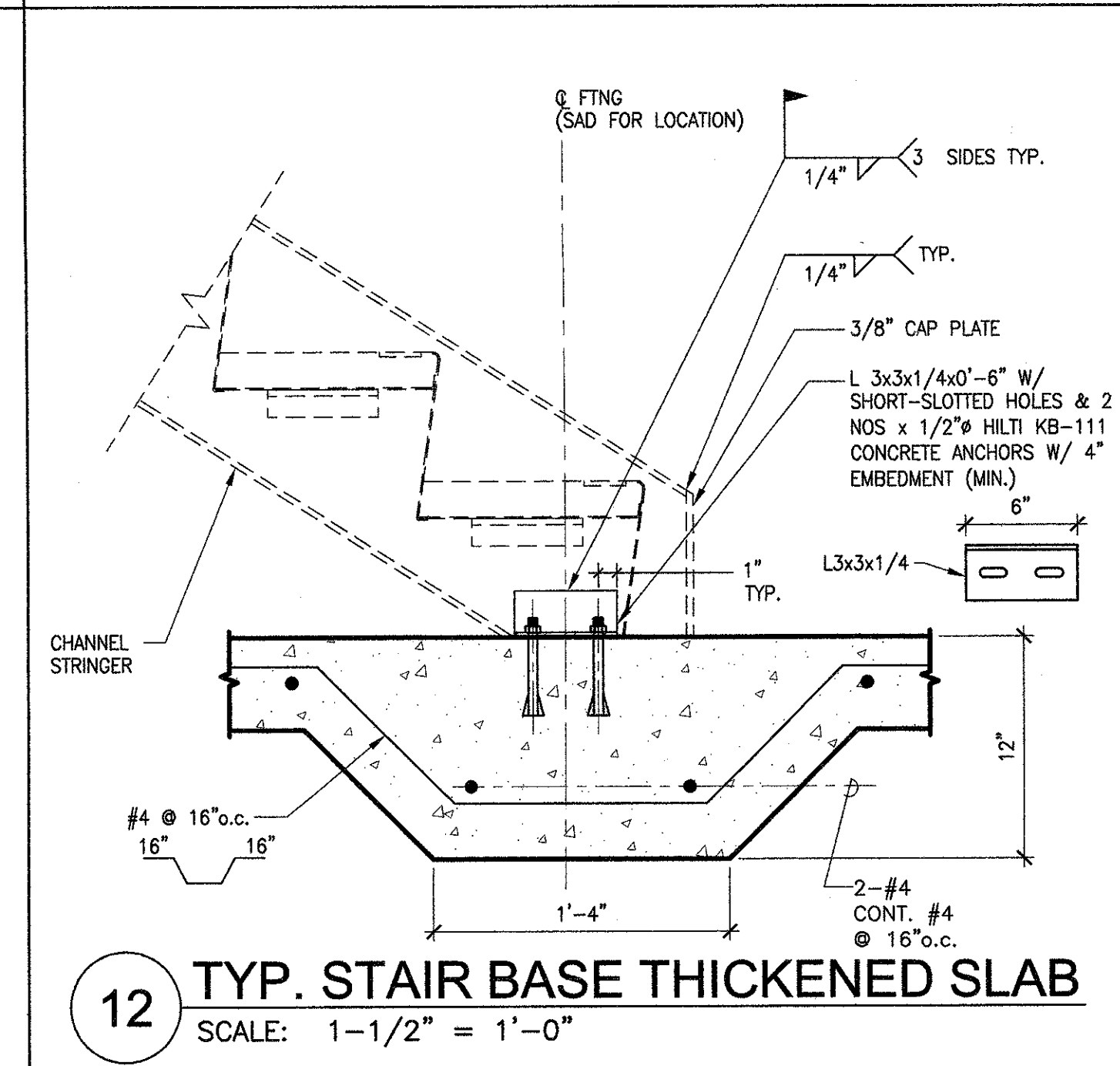
7 SECTION AT STAIR BRACE
SCALE: 1-1/2" = 1'-0"



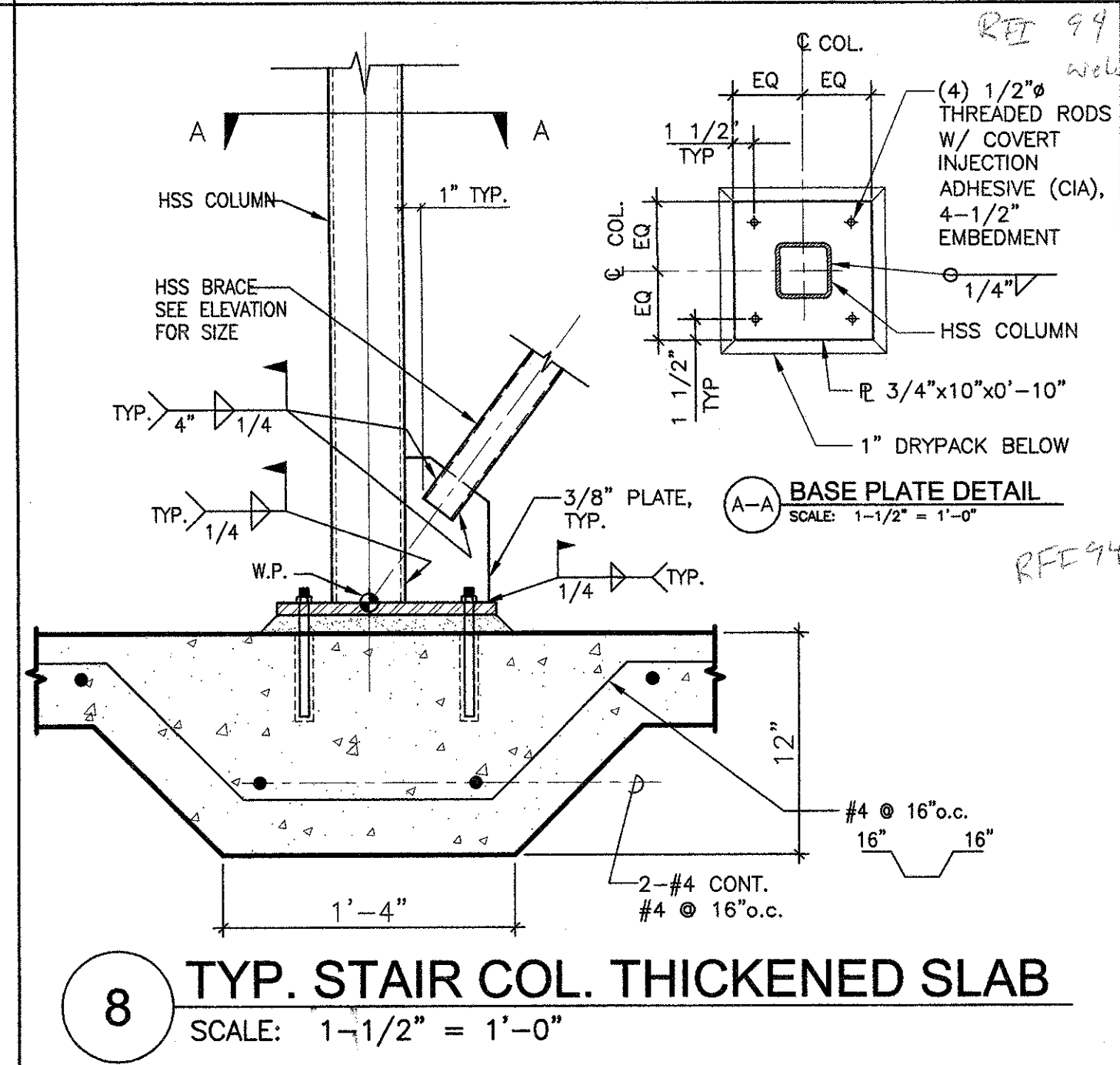
3 ELEVATION AT STAIR BRACING
N.T.S.



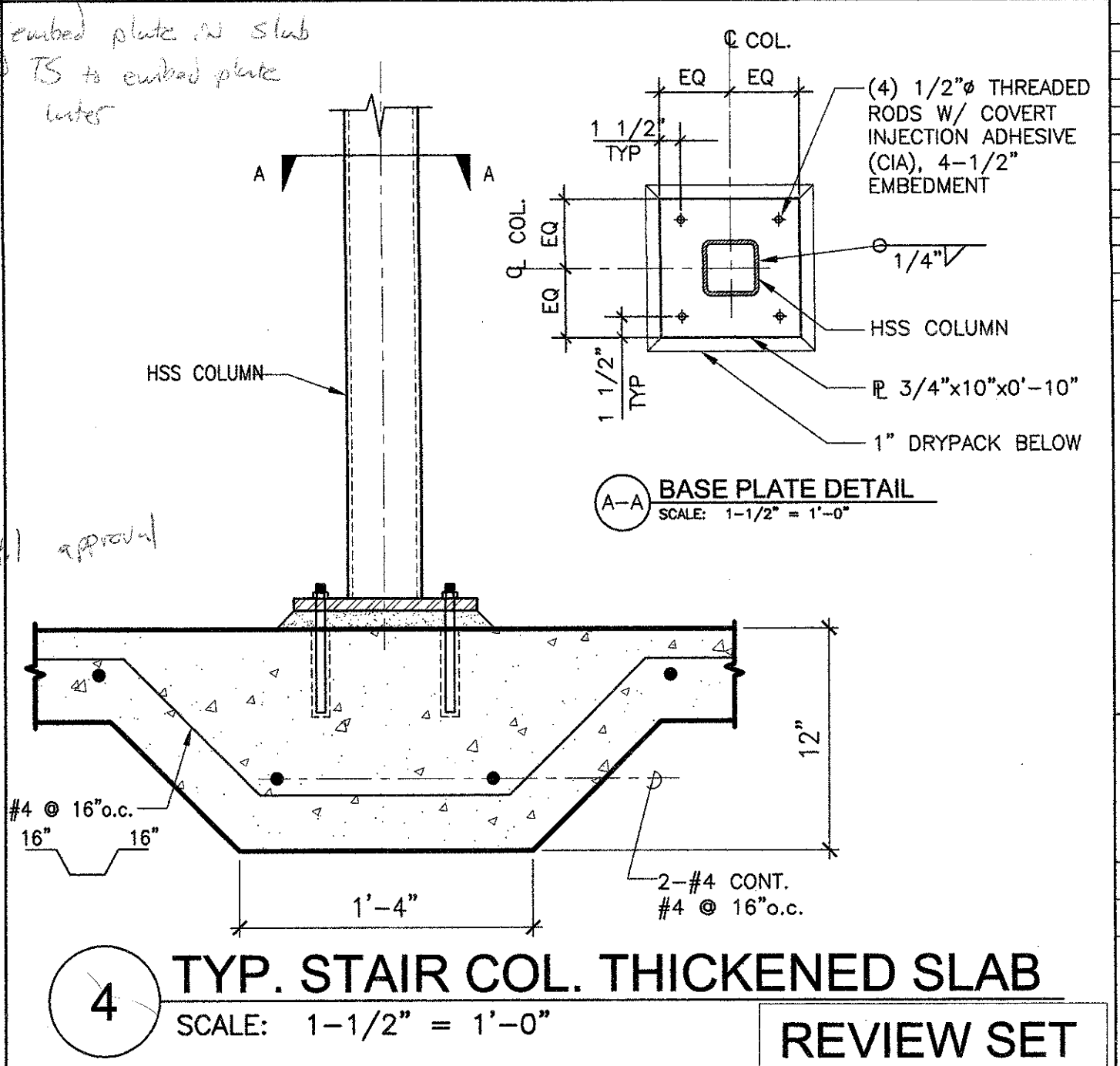
16 ELEVATION AT STAIR BRACING
N.T.S.



12 TYP. STAIR BASE THICKENED SLAB
SCALE: 1-1/2" = 1'-0"



8 TYP. STAIR COL. THICKENED SLAB
SCALE: 1-1/2" = 1'-0"



4 TYP. STAIR COL. THICKENED SLAB
SCALE: 1-1/2" = 1'-0"

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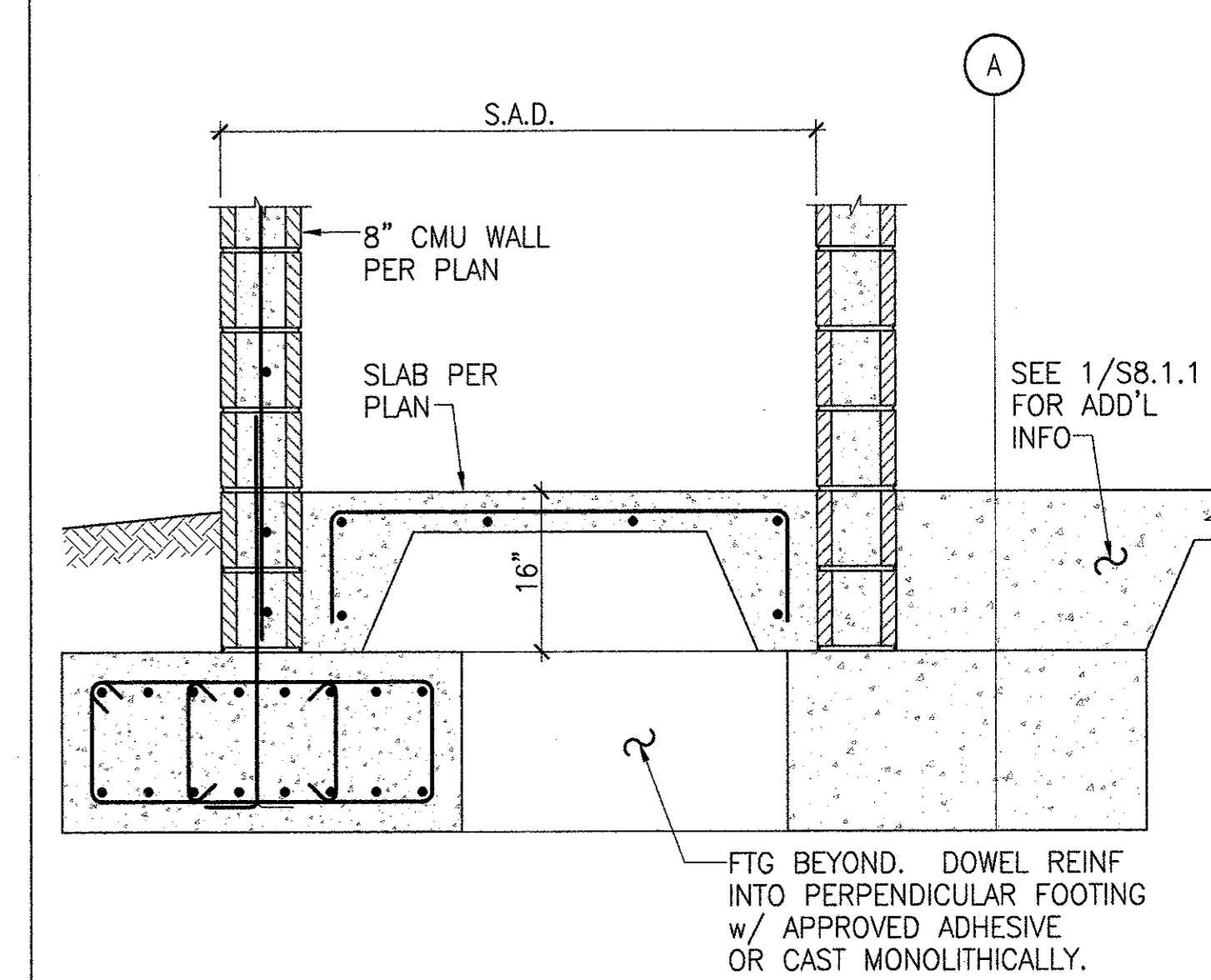
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DSA - INC #1	10.21.04

DRAWING TITLE
TYPICAL STAIR DETAILS

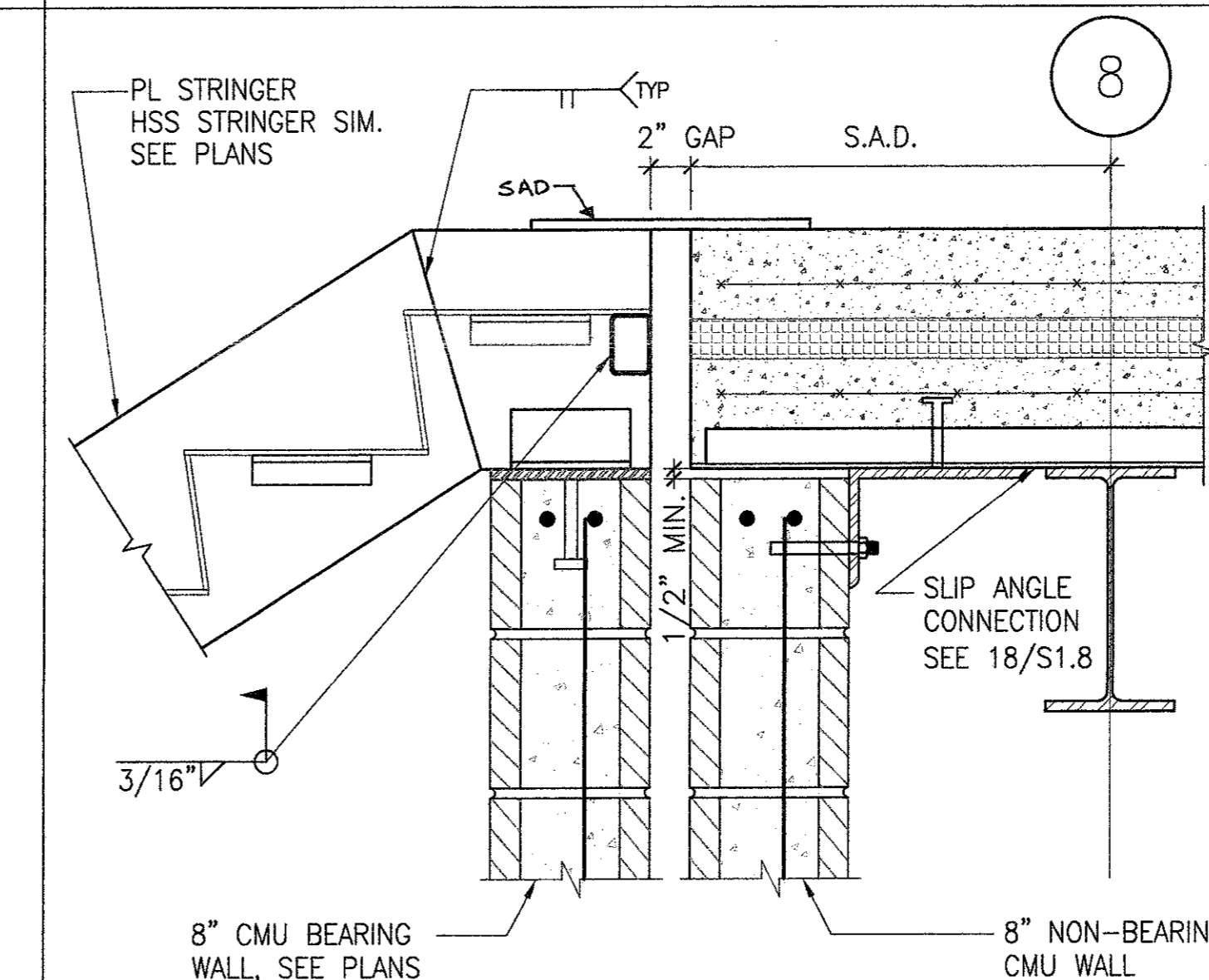
DATE: 10.21.04
PROJECT # 04043
SHEET NUMBER
S11.0

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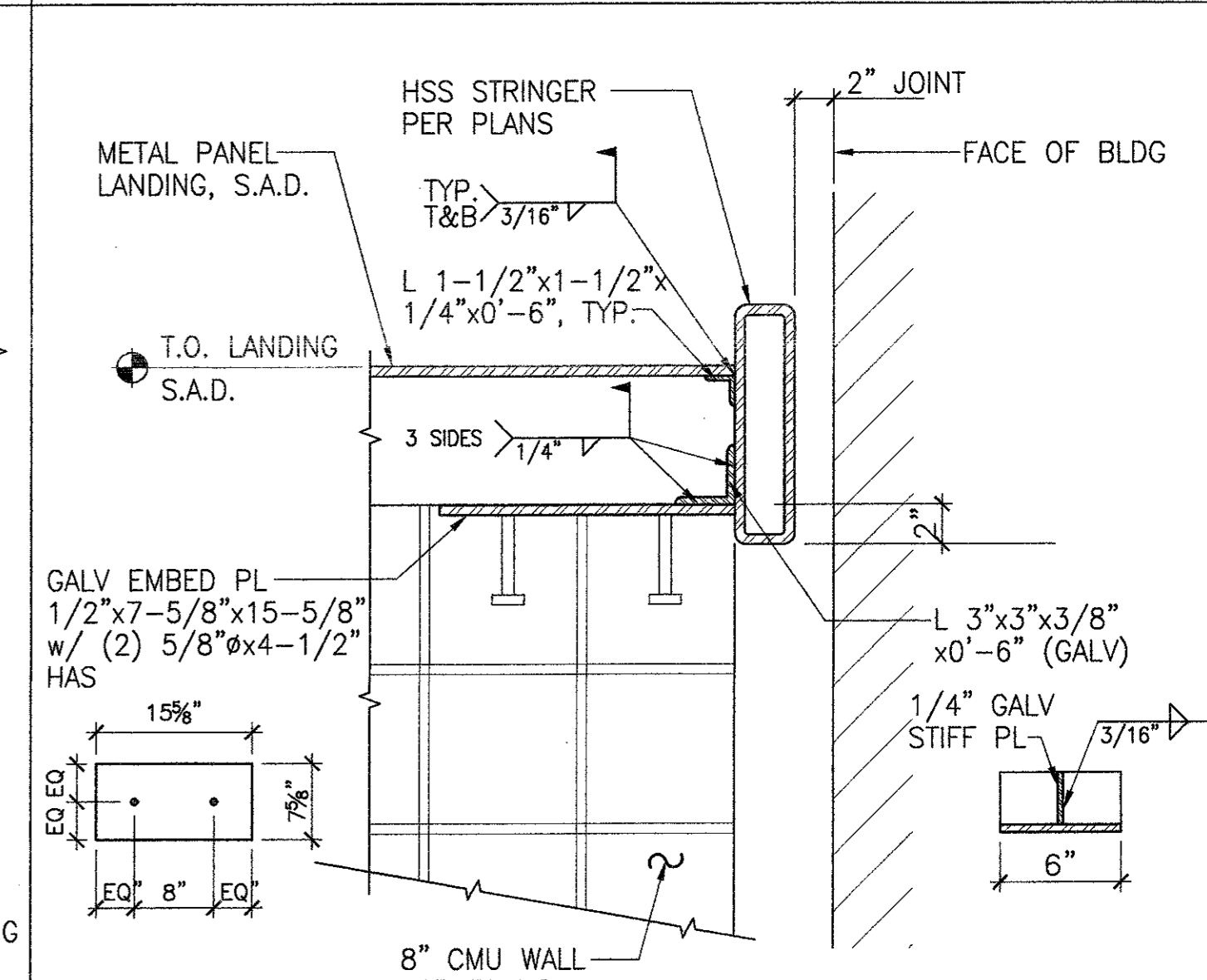
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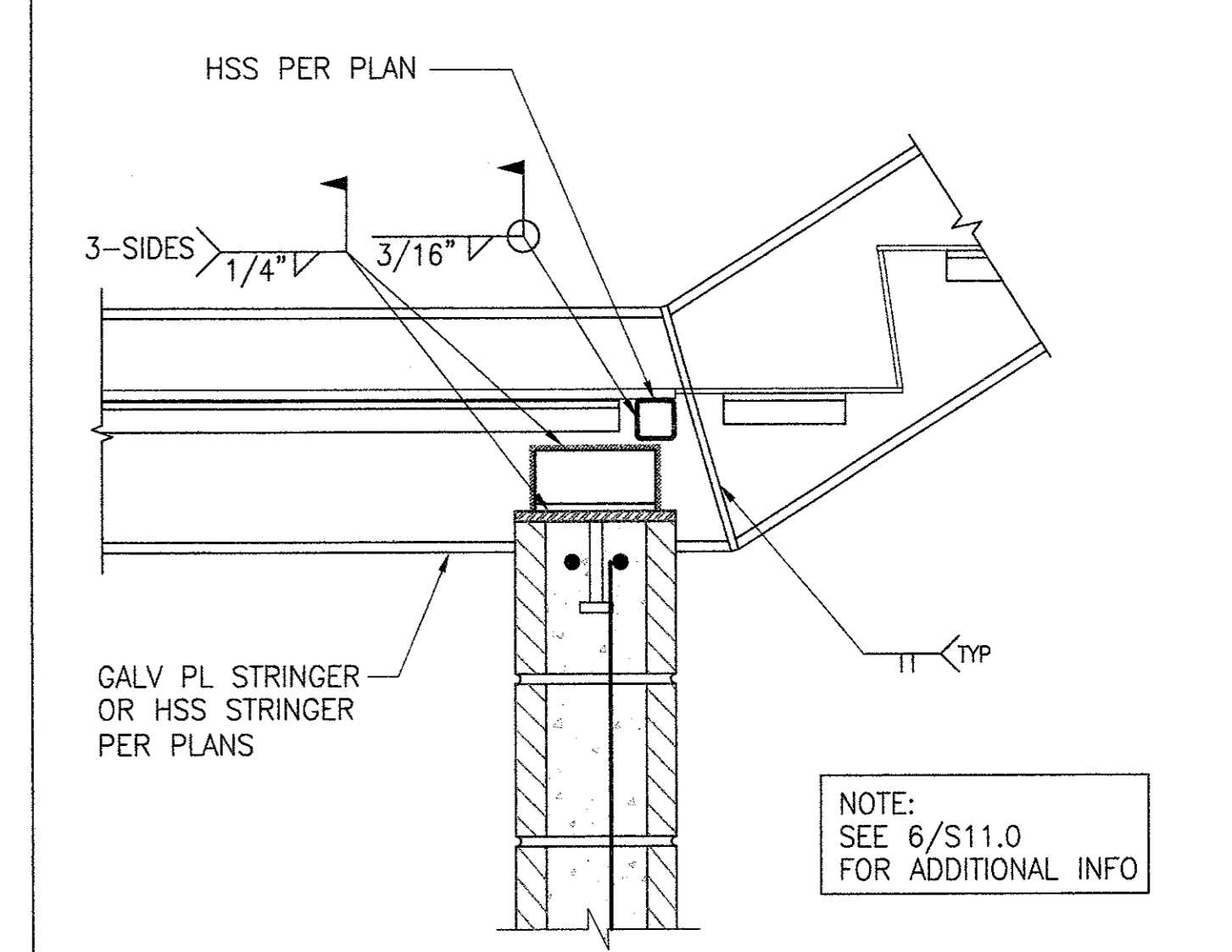
1 DETAIL @ BASE
SCALE: 3/4"=1'-0"



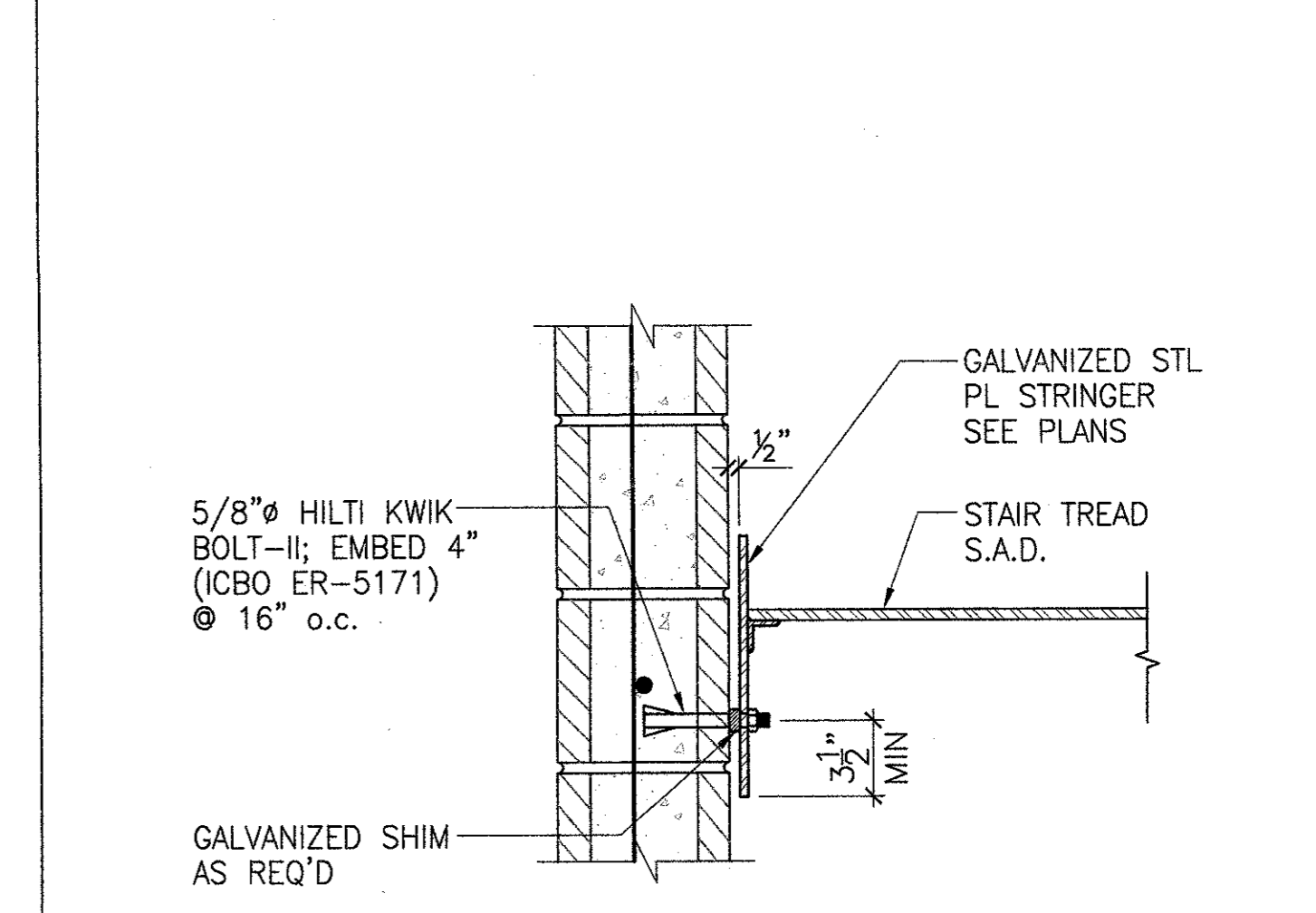
6 SECTION AT STAIR
SCALE: 1 1/2"=1'-0"
NOTE: SEE 3/- & 9/S11.0 FOR ADDITIONAL INFO



2 SECTION AT STAIR
SCALE: 1 1/2"=1'-0"



3 SECTION AT STAIR
SCALE: 1 1/2"=1'-0"

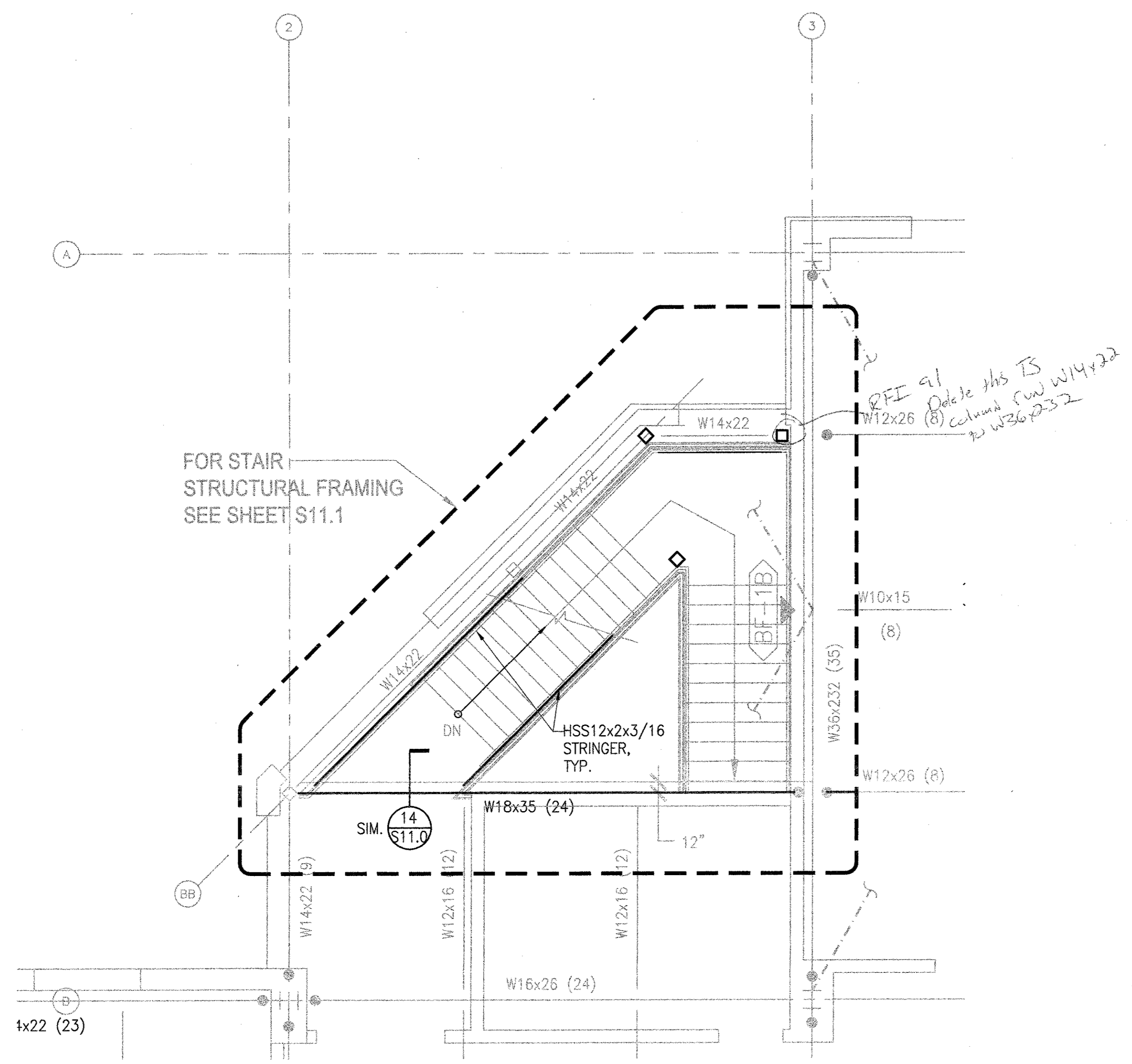


4 SECTION AT STAIR
SCALE: 1 1/2"=1'-0"

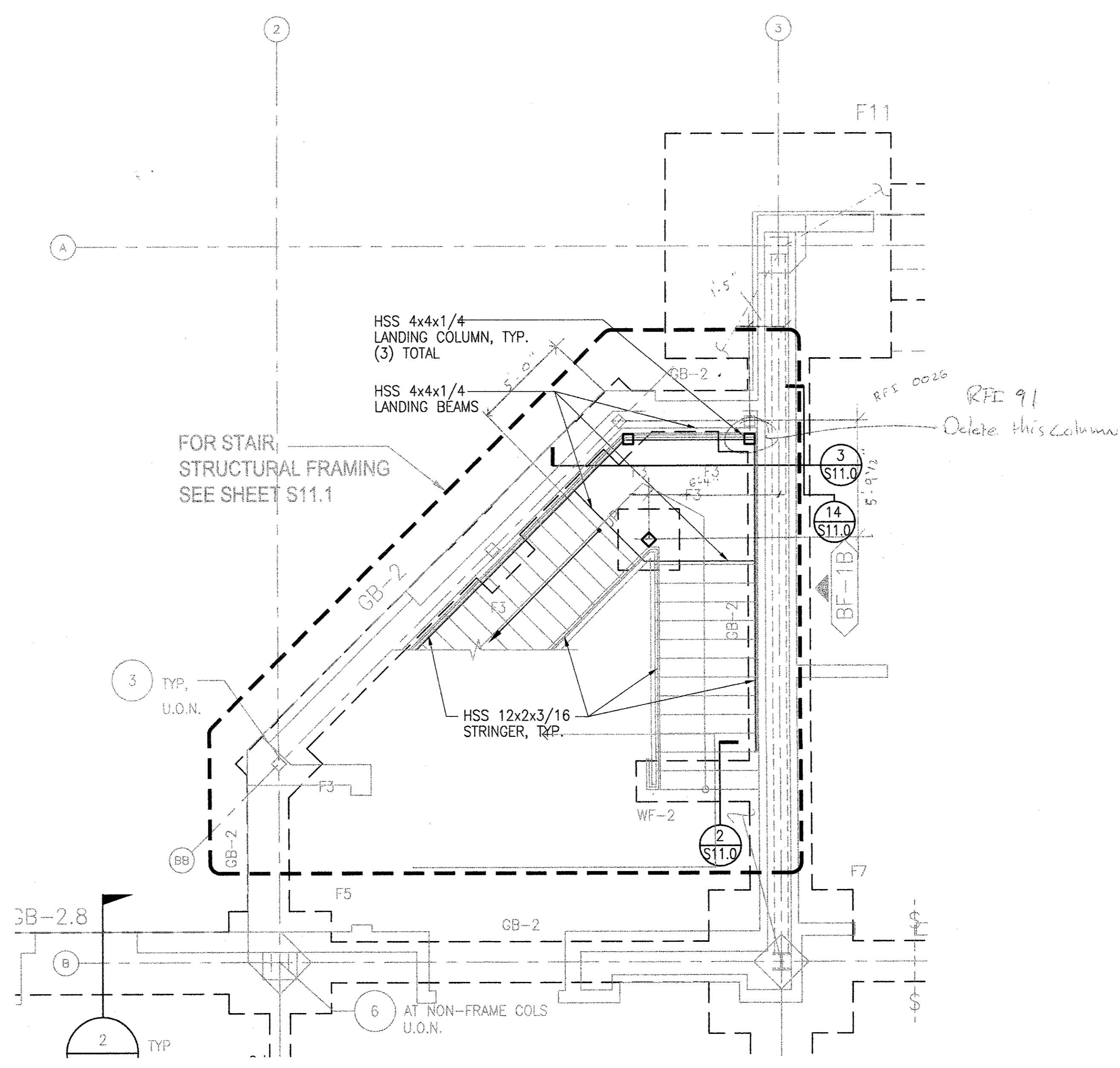
REVIEW SET

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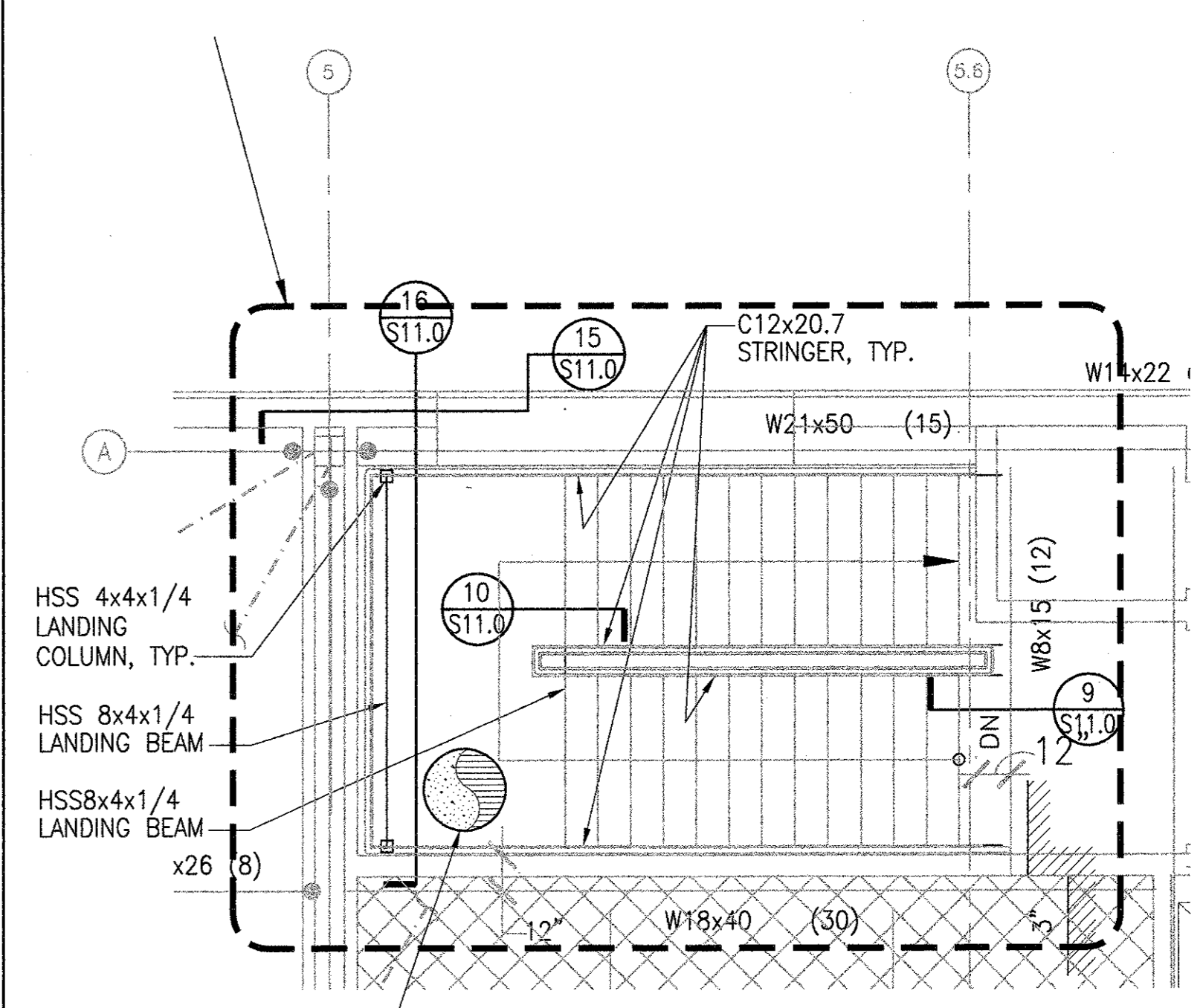


THIRD FLOOR PLAN

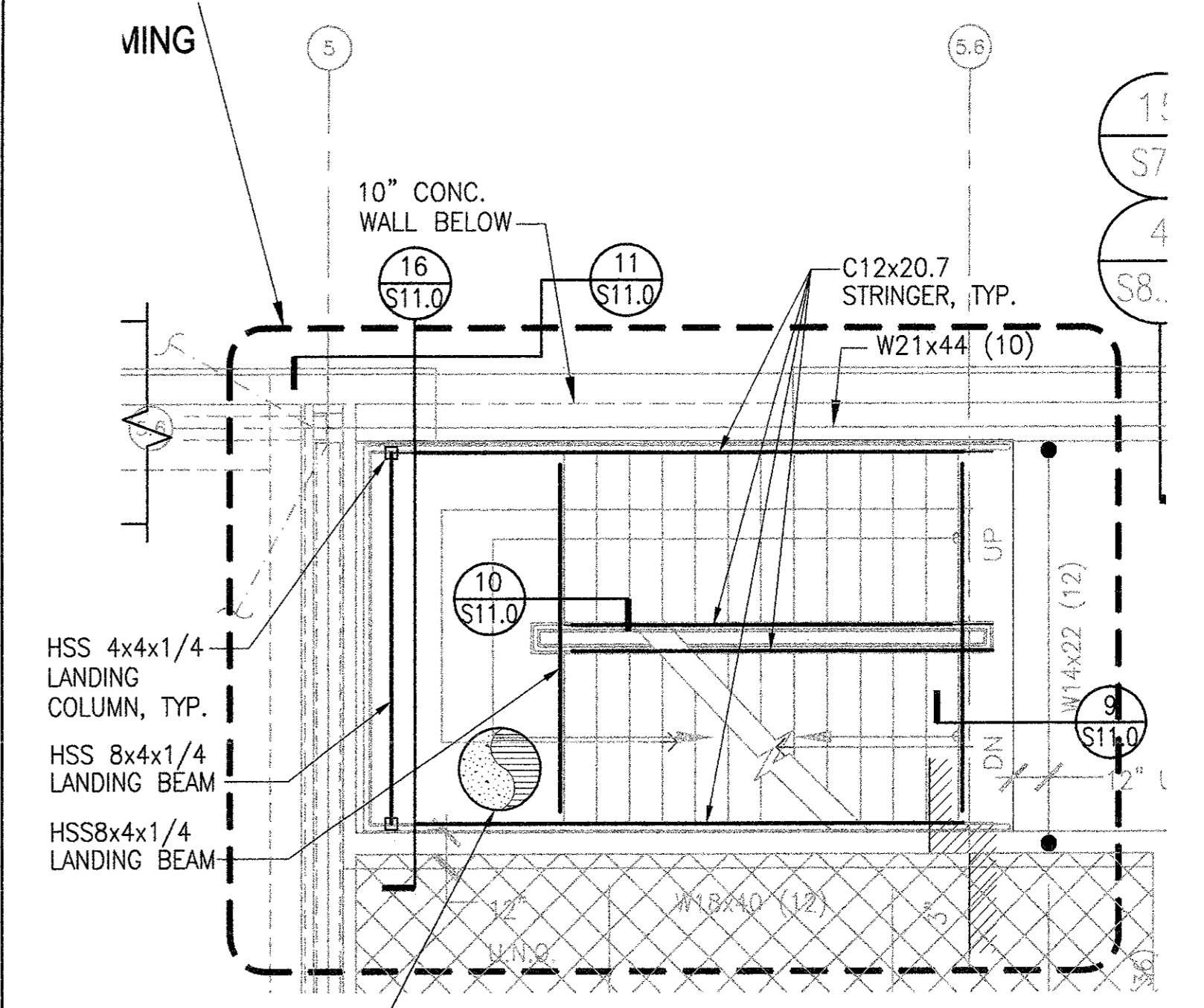


SECOND FLOOR PLAN

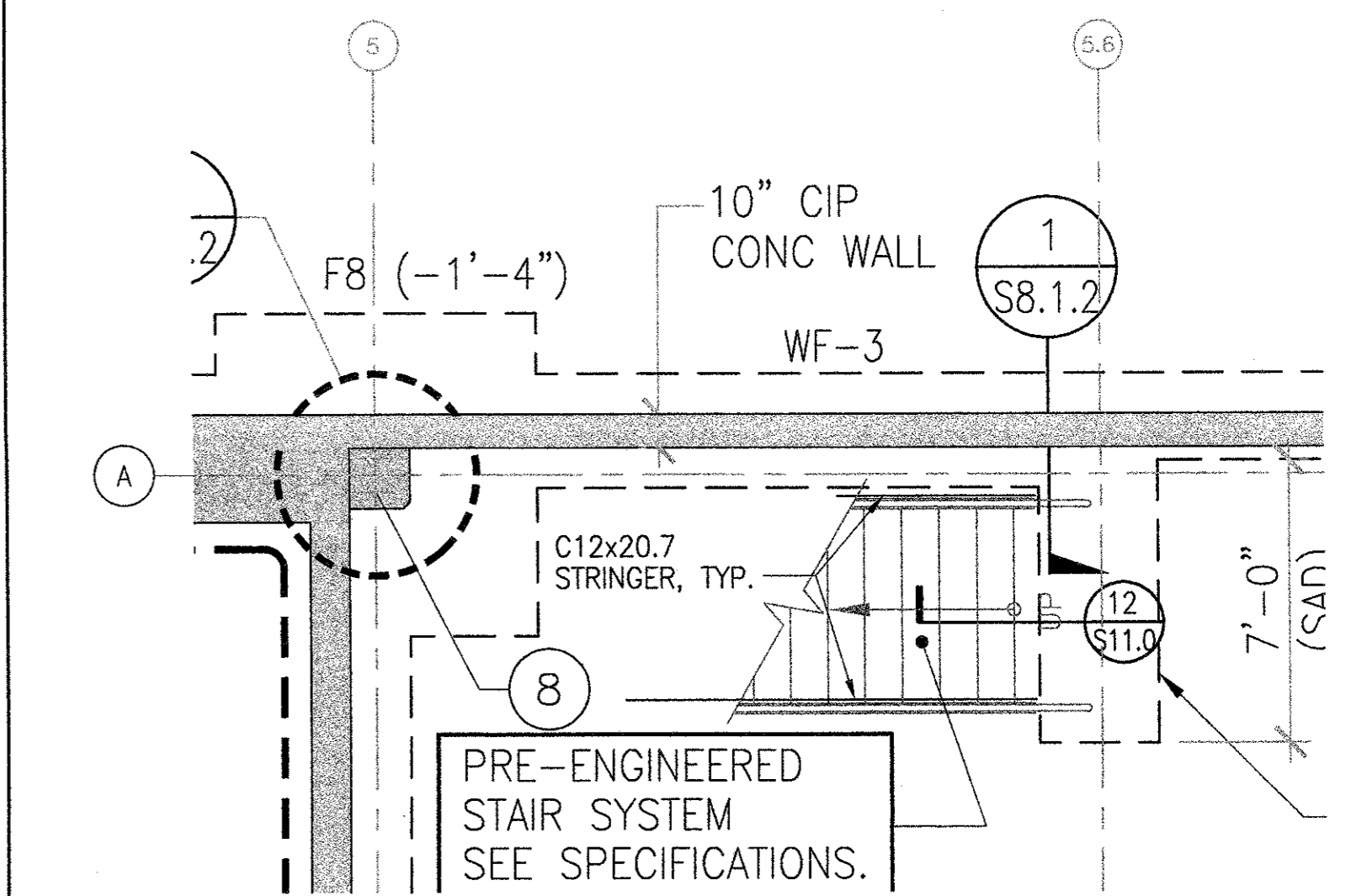
9 BUILDING A: STAIR #2
SCALE: 1/4" = 1'-0"



THIRD FLOOR PLAN



SECOND FLOOR PLAN



FIRST FLOOR PLAN

3 BUILDING A: STAIR #1
SCALE: 1/4" = 1'-0"

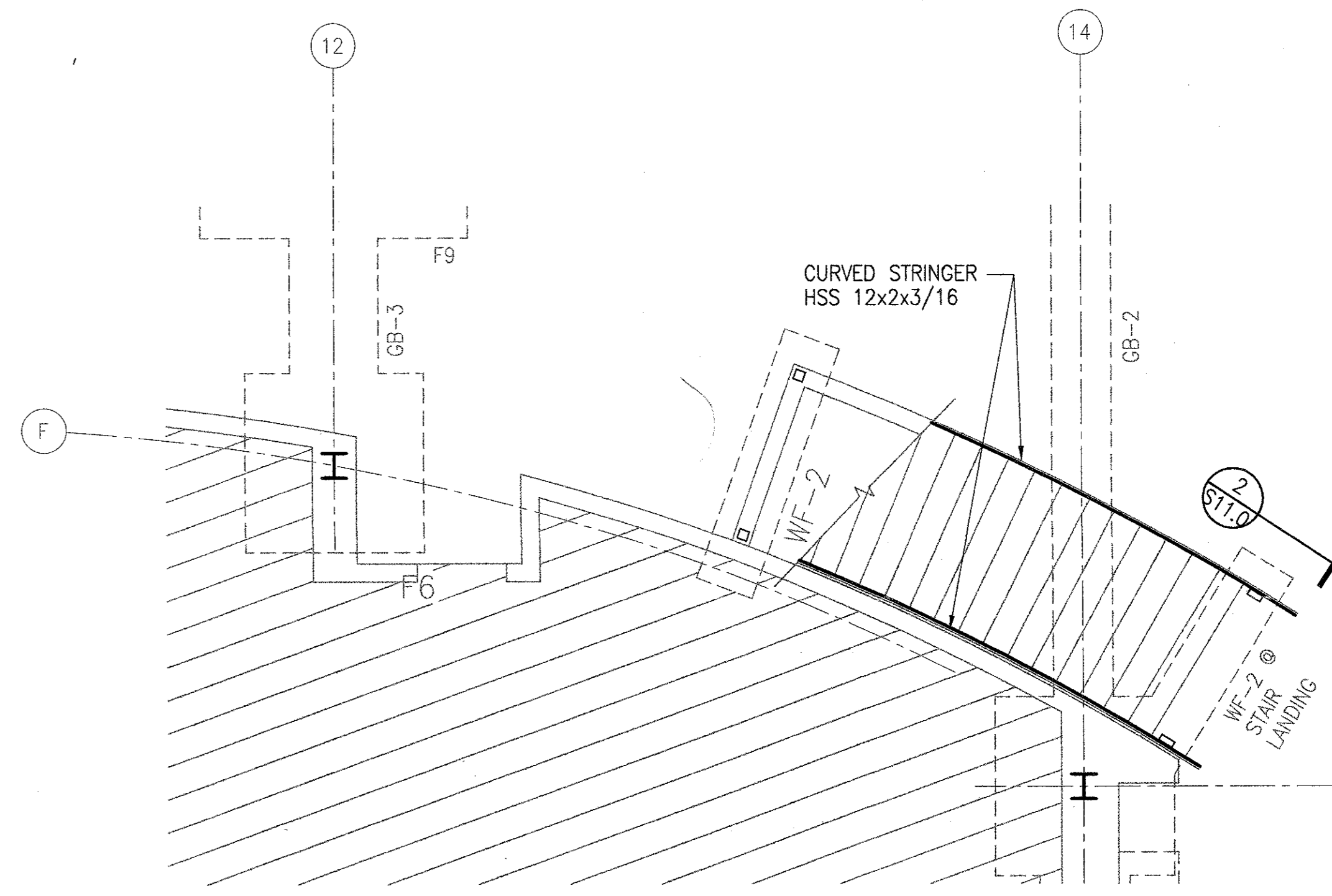
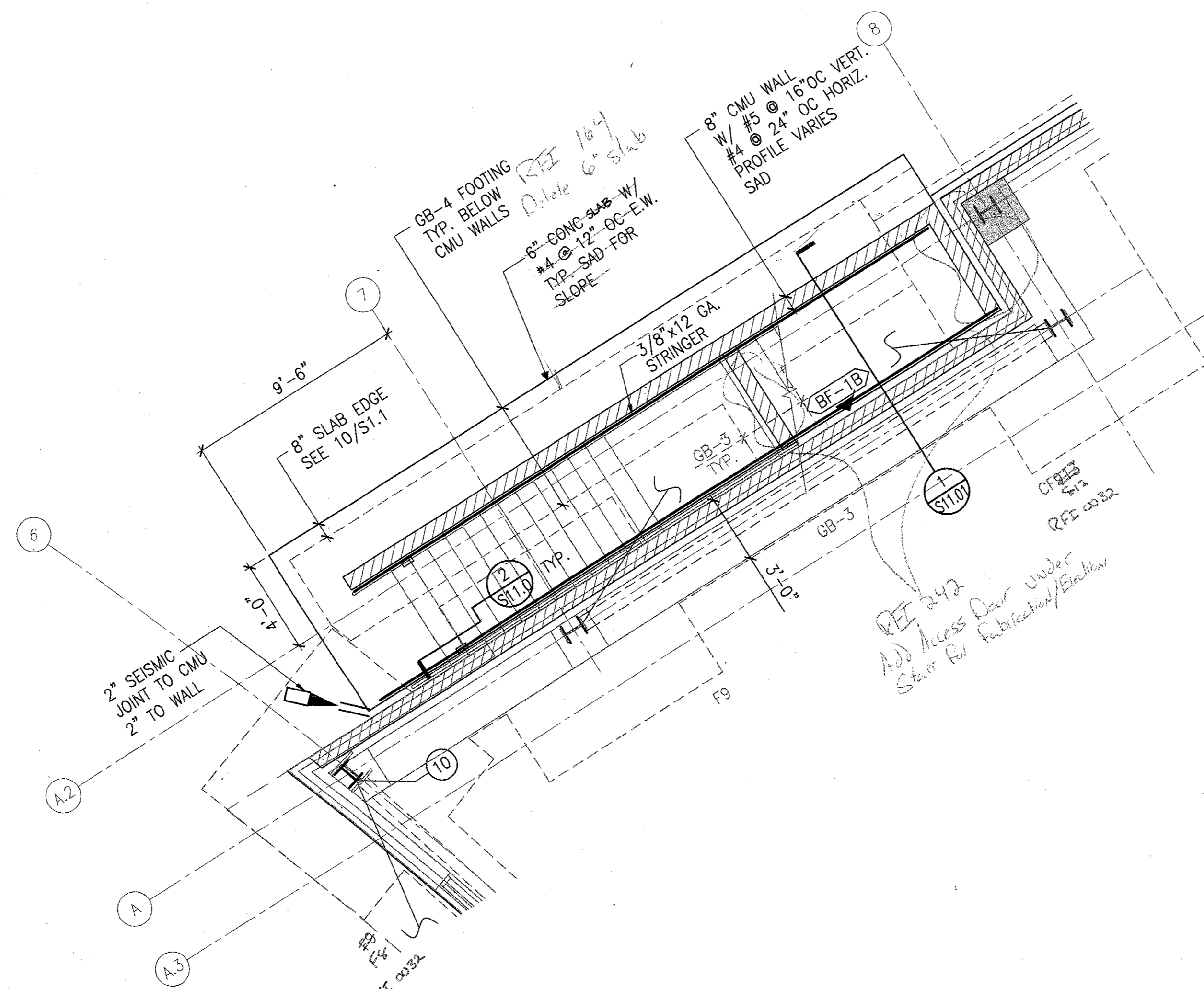
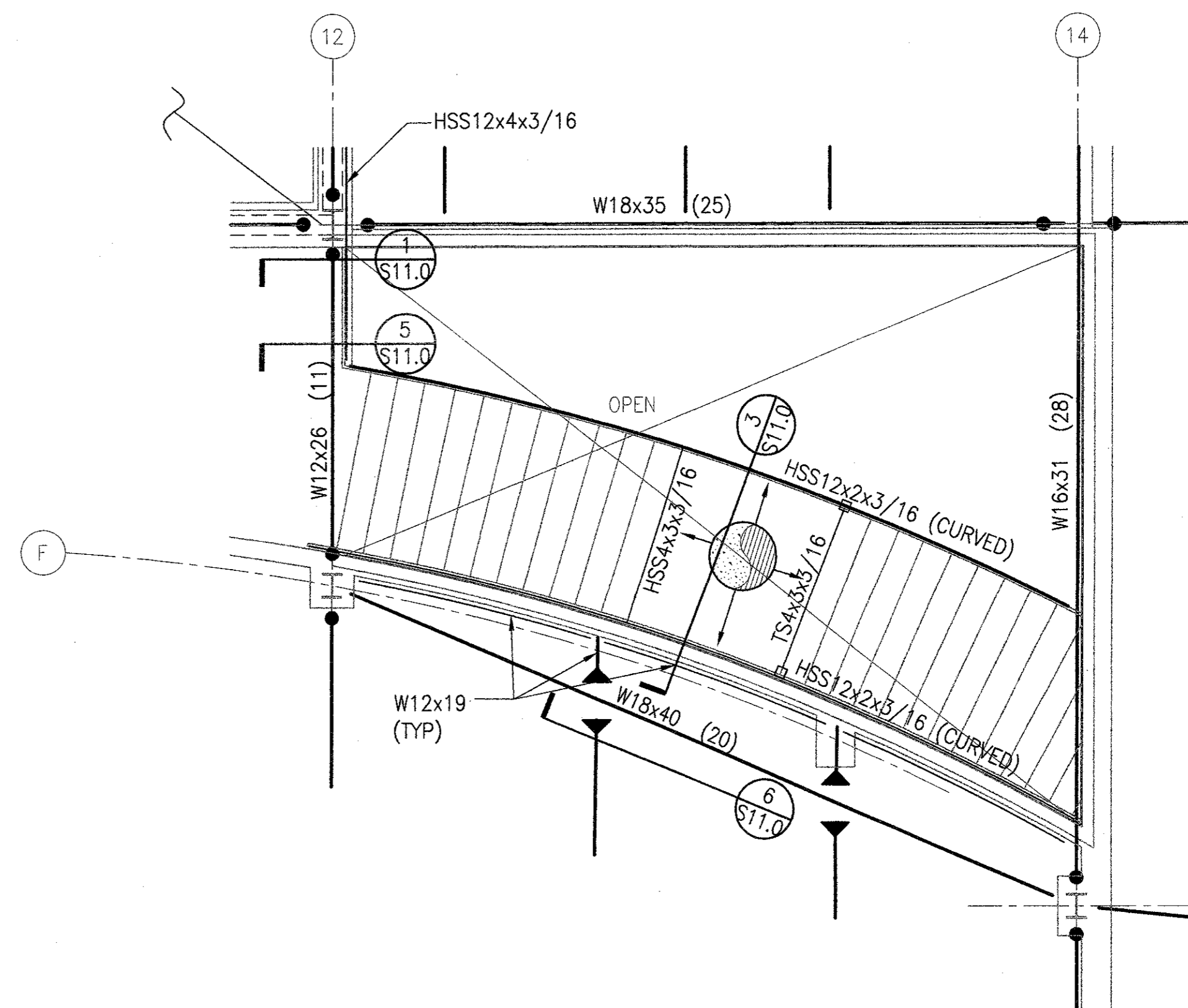
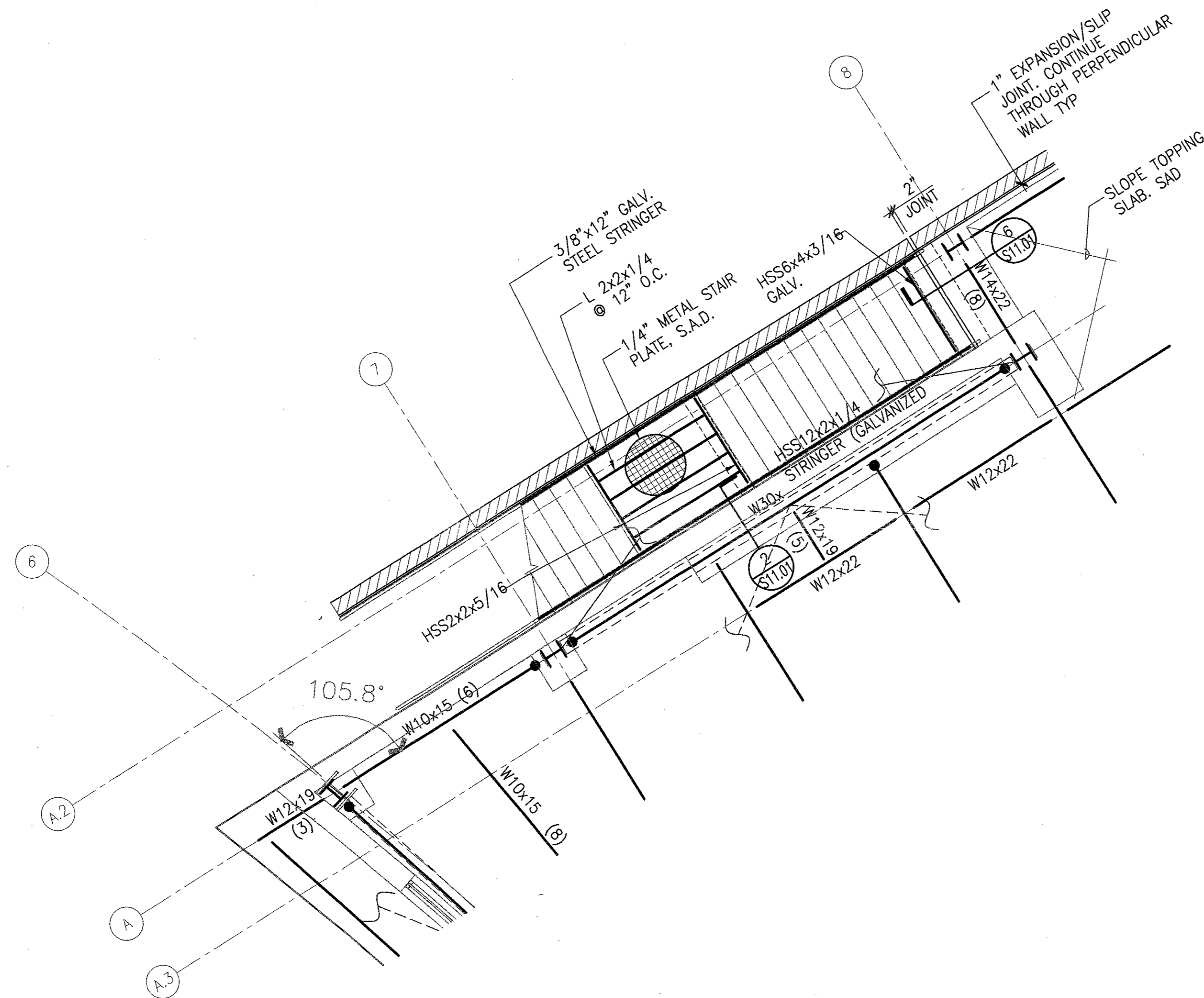
REVIEW SET

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GENERAL PRE-ENGINEERED STAIR NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS, VERTICAL GEOMETRY, AND ELEVATION OF FINISHED LANDING ASSEMBLY.
- THESE PLANS SHOW TYPICAL STAIR FRAMING ONLY. LOCATION OF DOORS, WINDOWS, ADJOINING WALL, ETC. MAY VARY. SEE ARCHITECTURAL DRAWINGS.
- ALL MEMBER SIZES AND CONNECTIONS SHOWN ARE MINIMUM DESIGN REQUIREMENTS AND SHALL BE COORDINATED AND VERIFIED BY THE STAIR MANUFACTURER.
- INDICATES 2 1/2" LIGHT WEIGHT CONCRETE TOPPING OVER 2" x 20 GA. DECK. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0.0 - S0.1, S1.1, S1.2, S1.3, S1.4, S1.5, S1.6, S1.7.
- GENERAL CONTRACTOR SHALL COORDINATE LOCATION OF HSS COLUMN SUPPORTS FOR STAIR LANDINGS WITH STAIR MANUFACTURER AND PLANS.



9 BUILDING B: STAIR #2
SCALE: 1/4" = 1'-0"

3 BUILDING B: STAIR #1
SCALE: 1/4" = 1'-0"

REVIEW SET