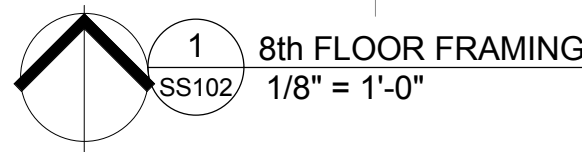




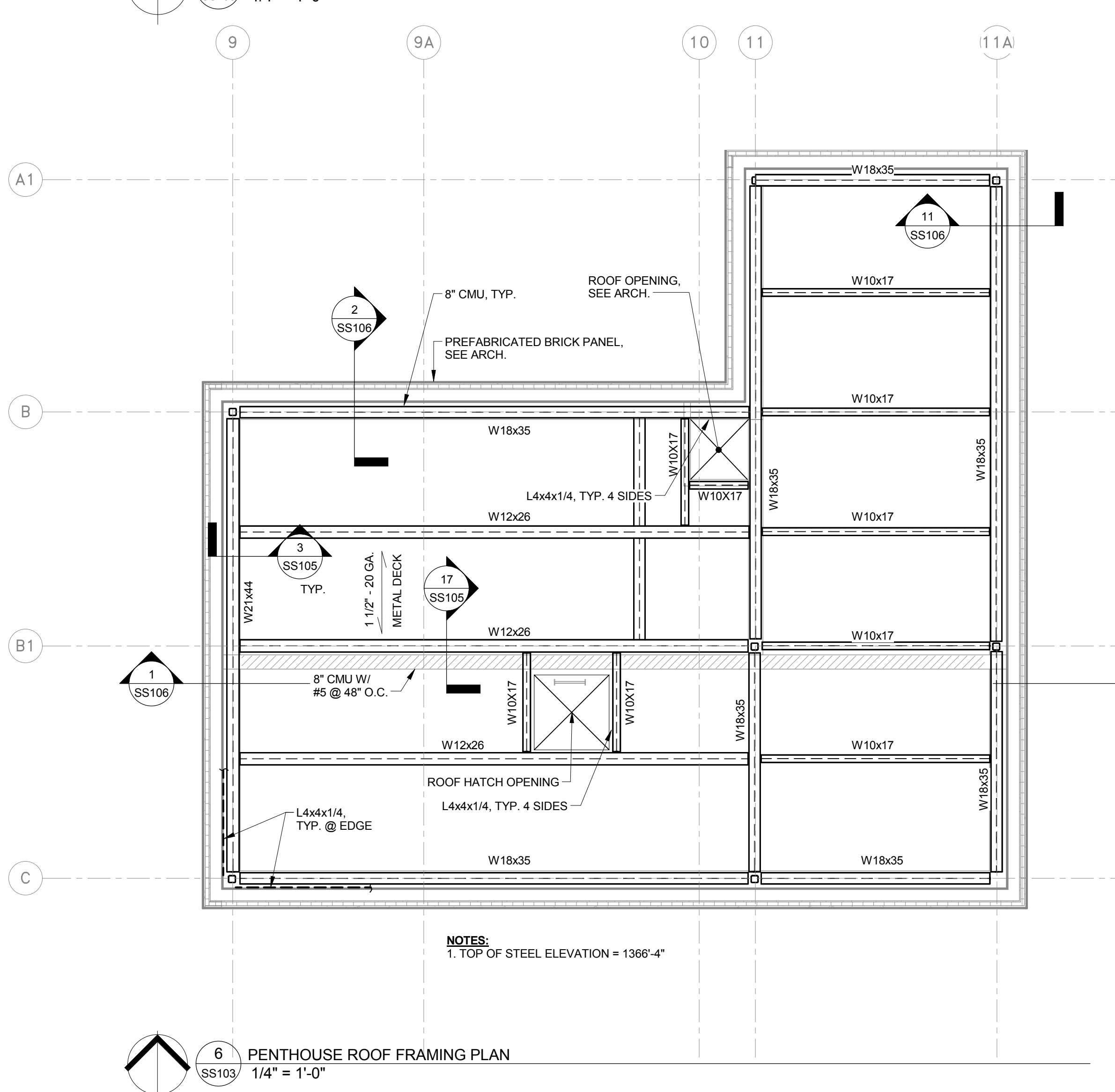
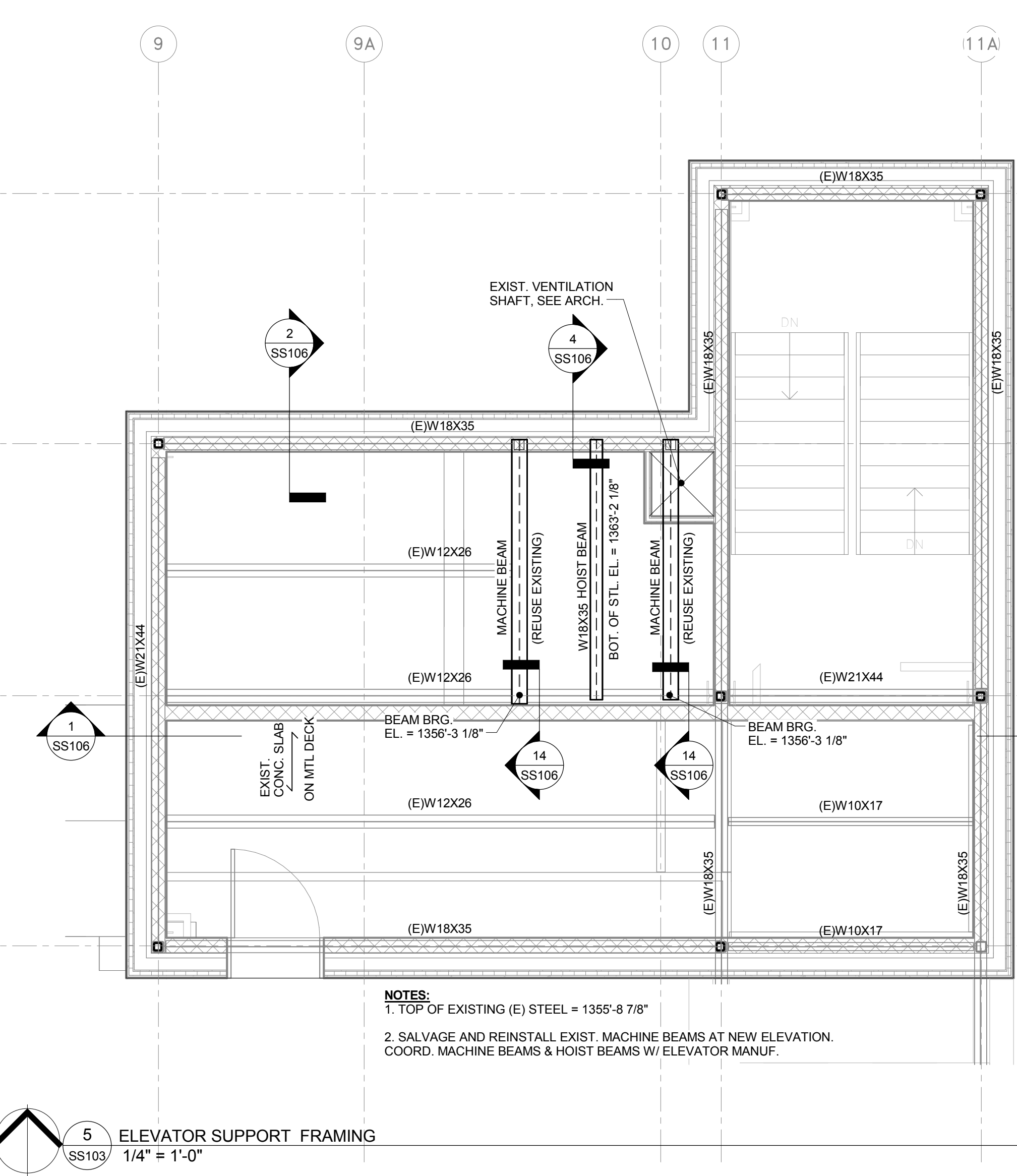
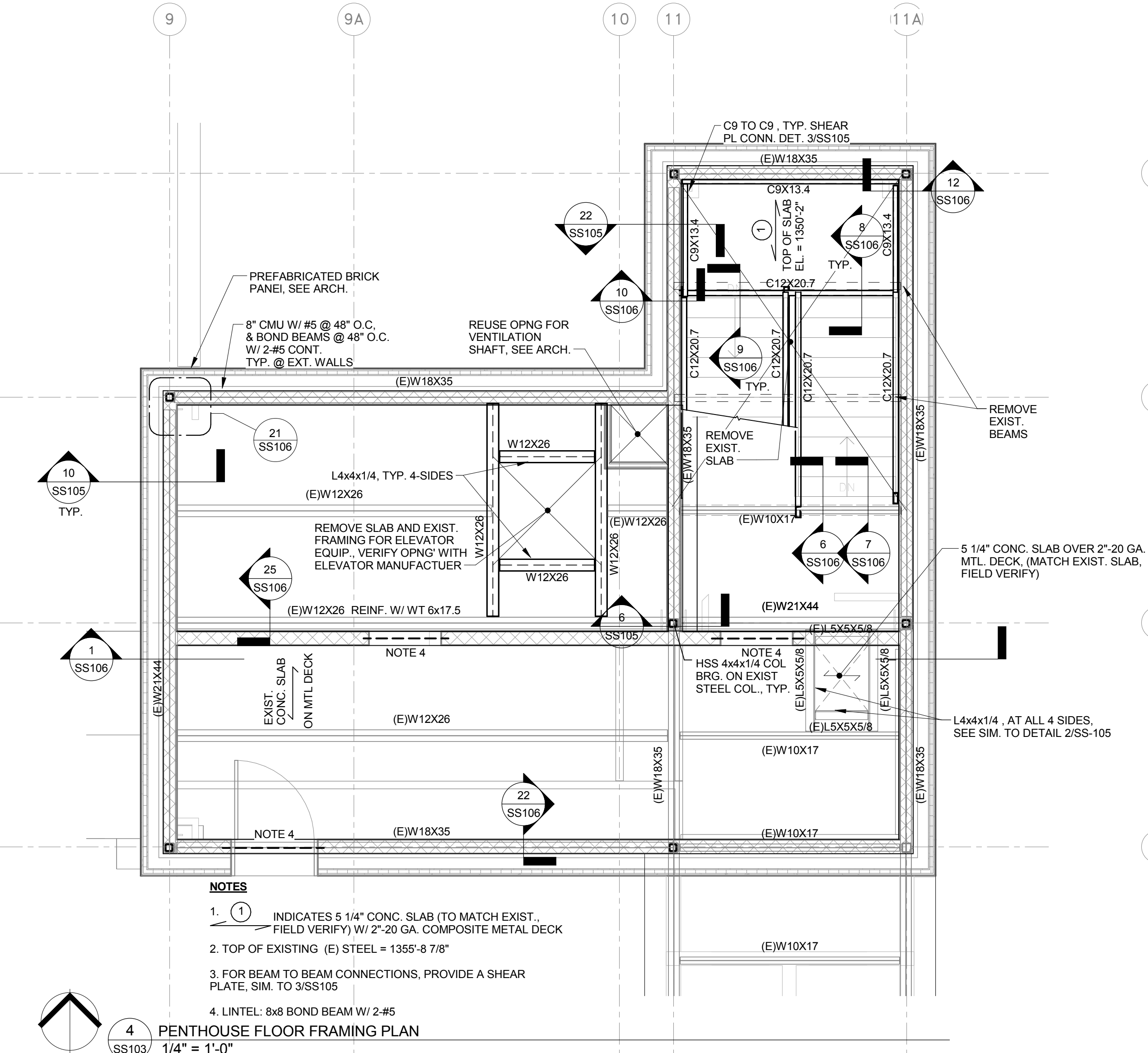
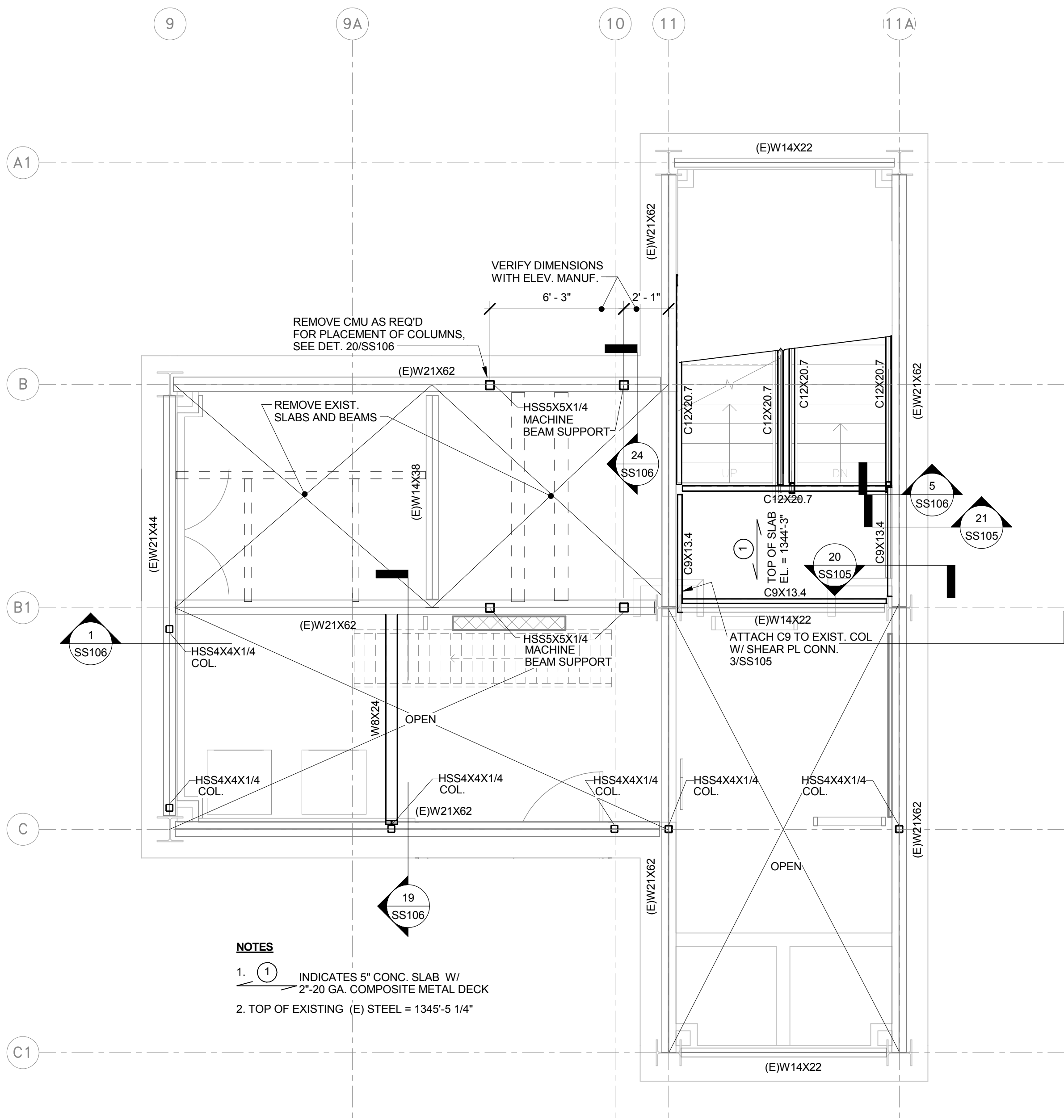
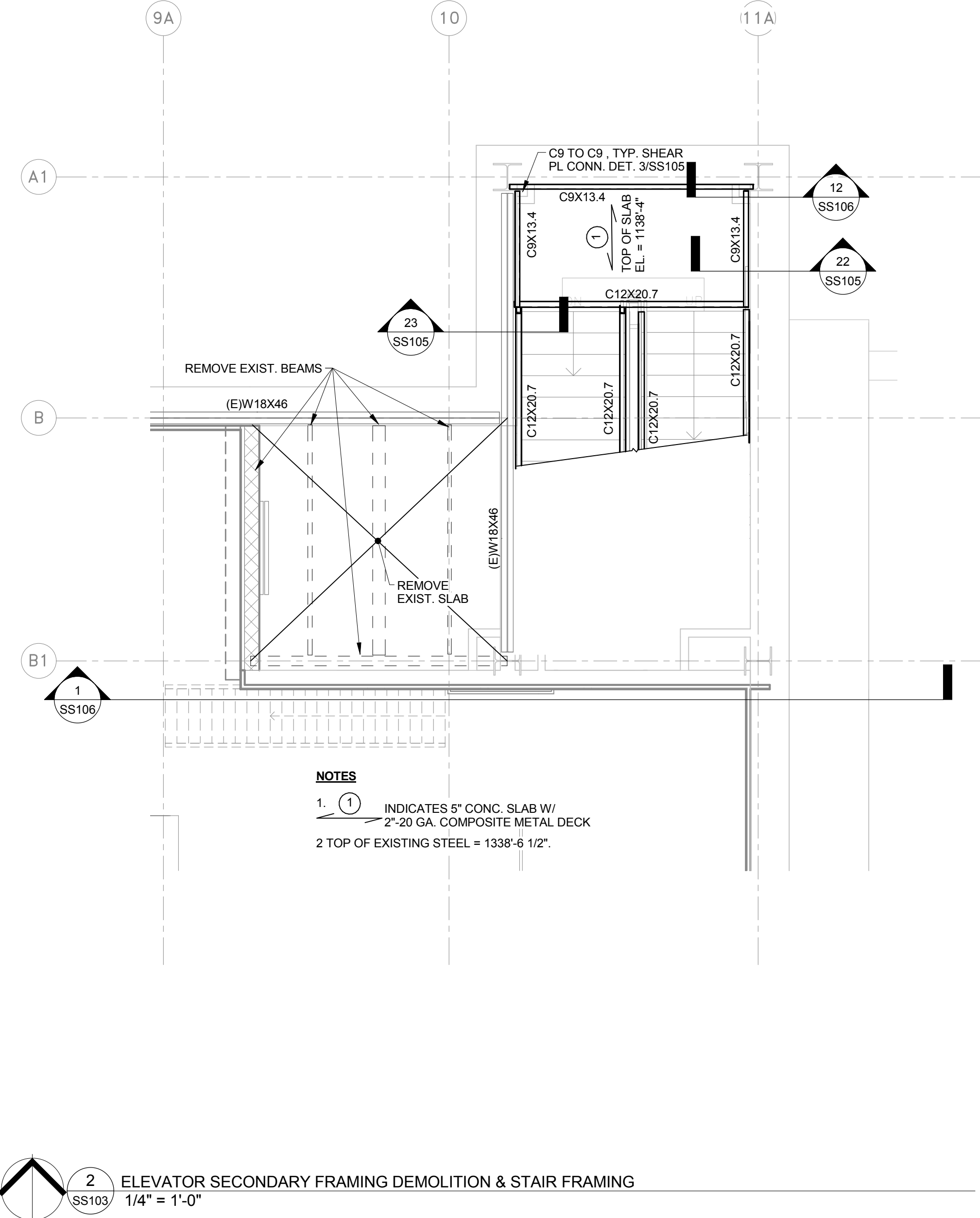
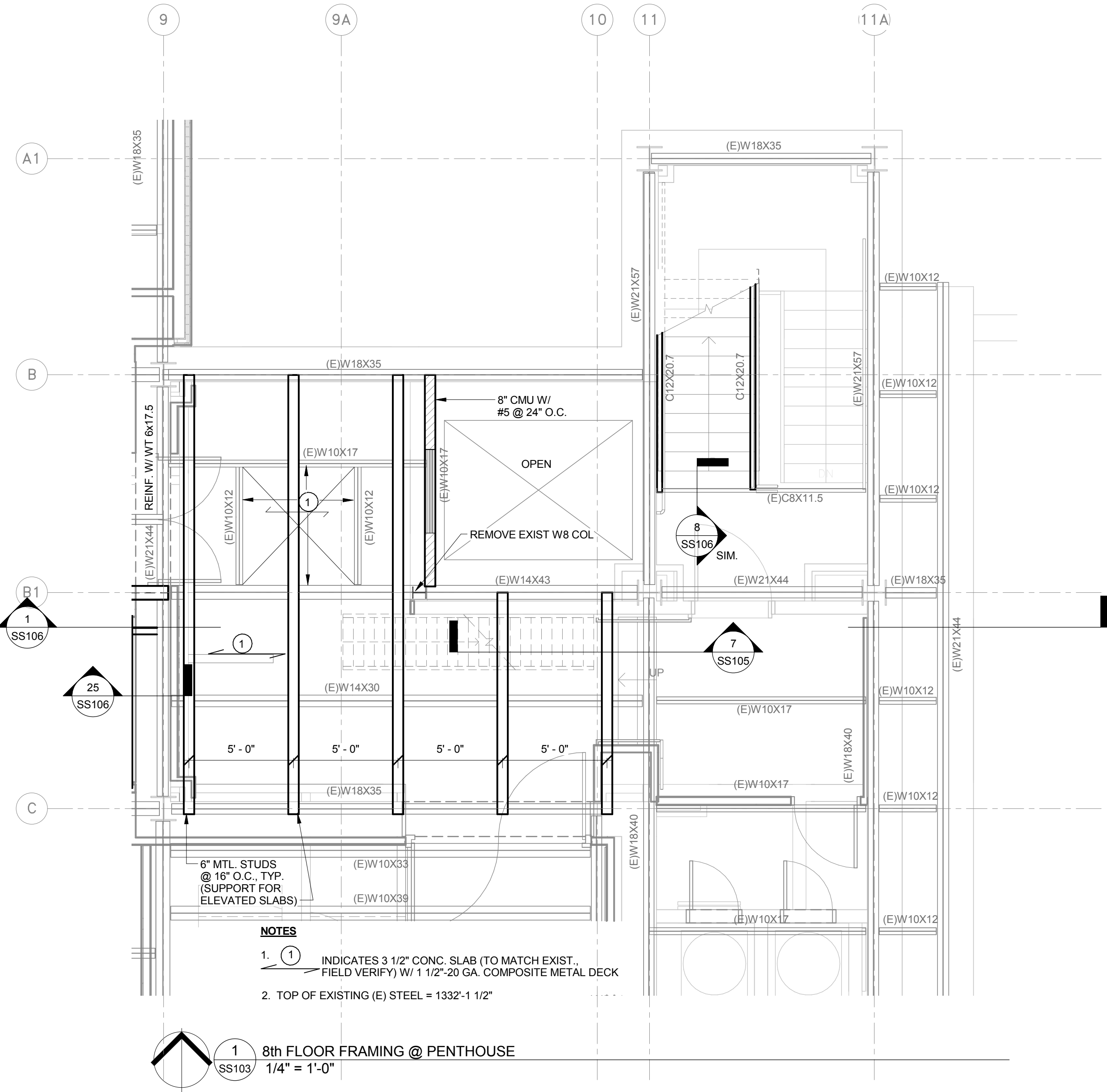
[illegible]



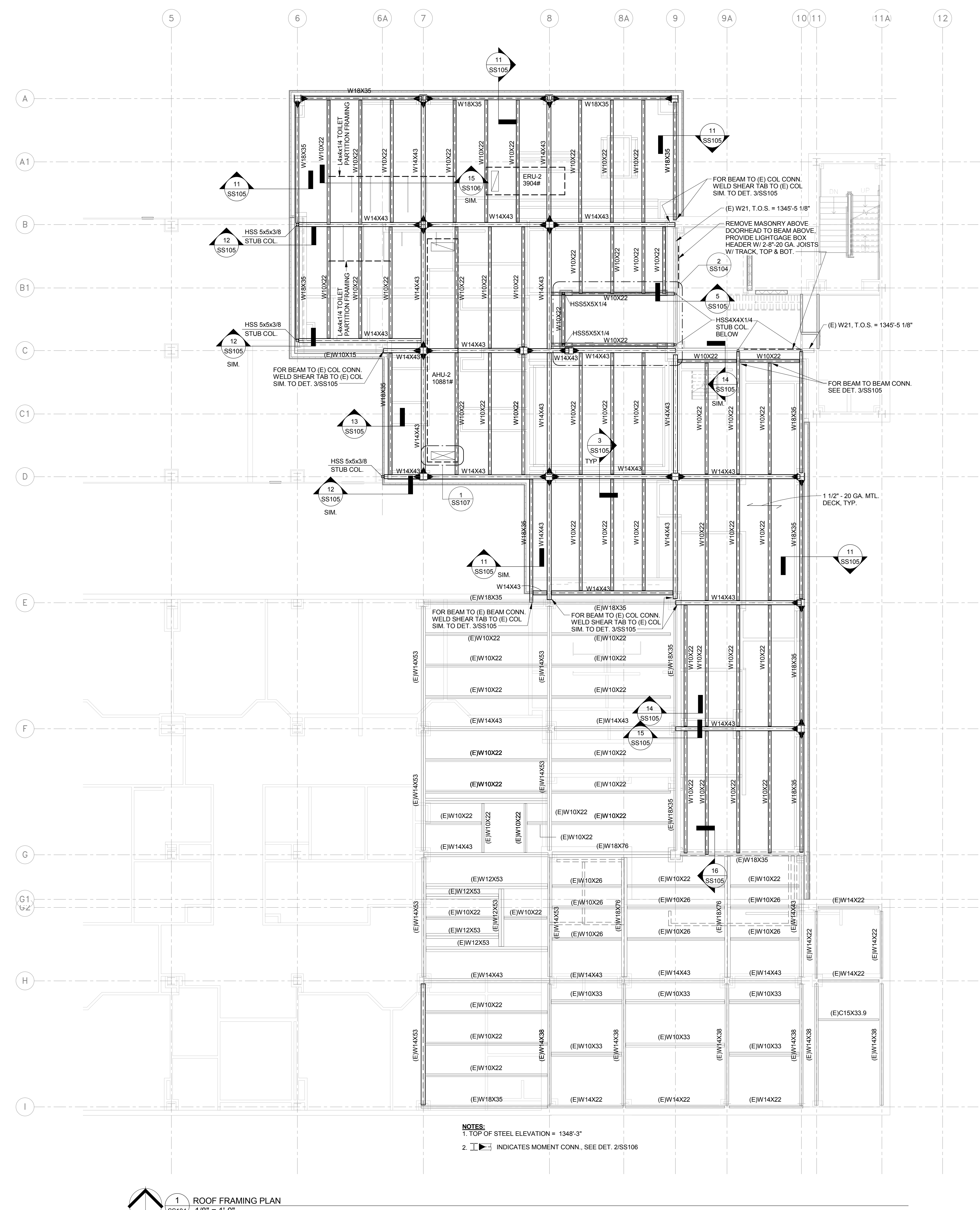
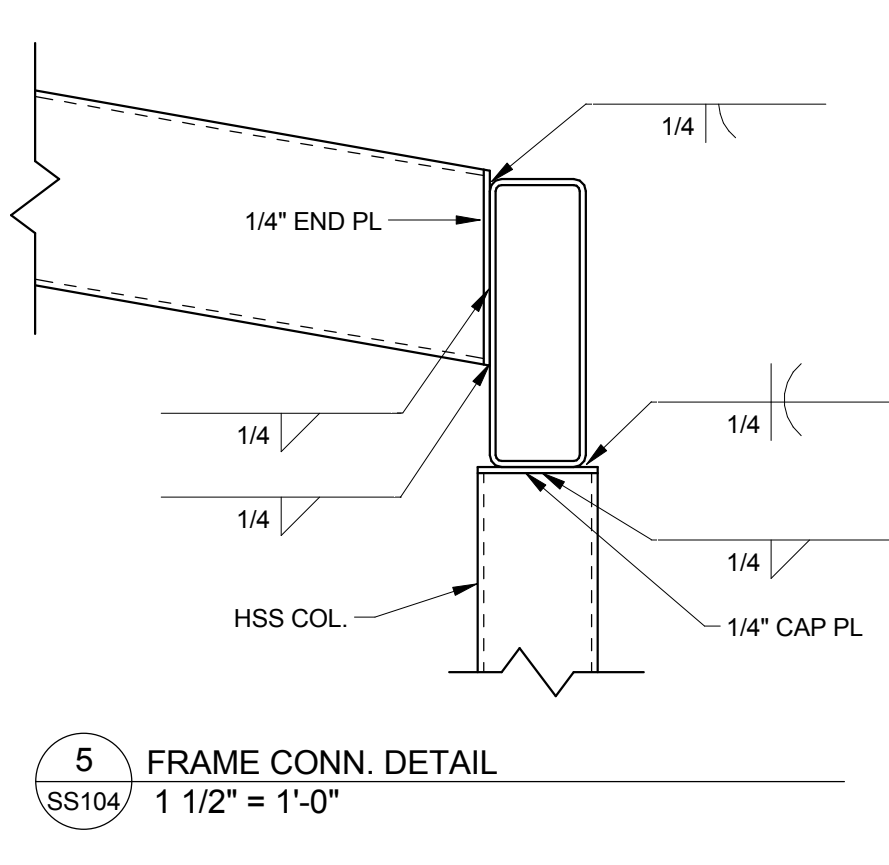
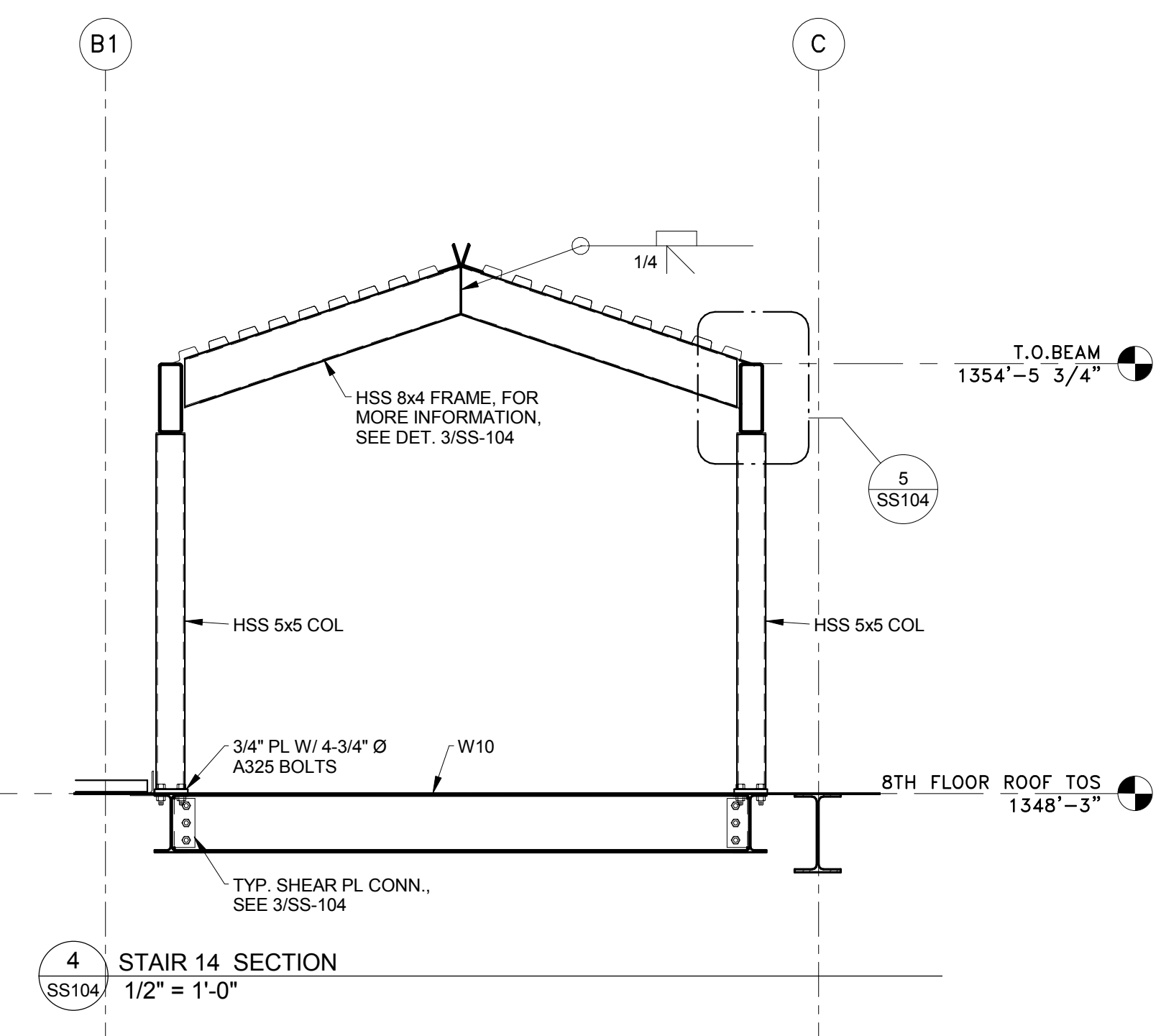
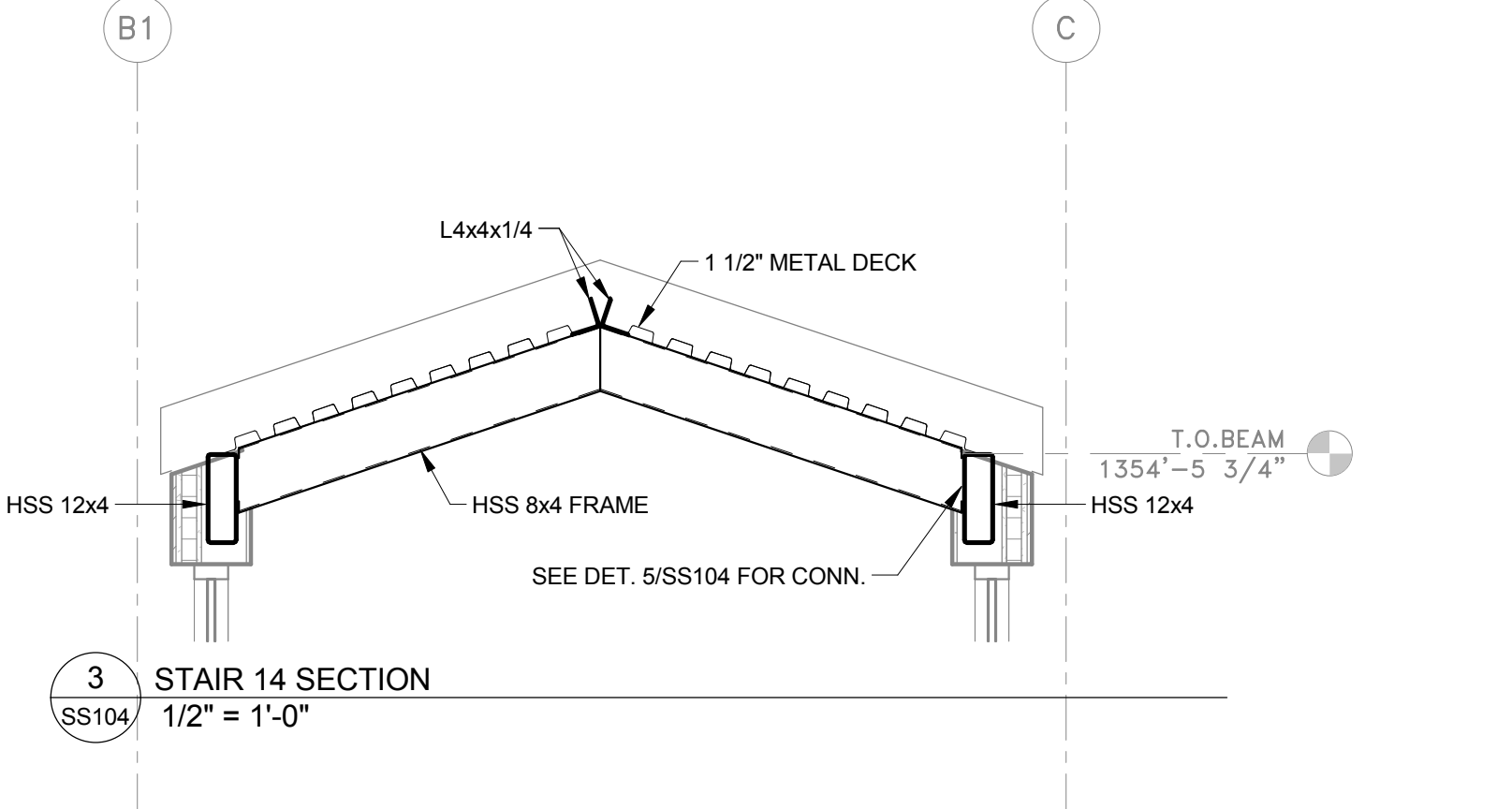
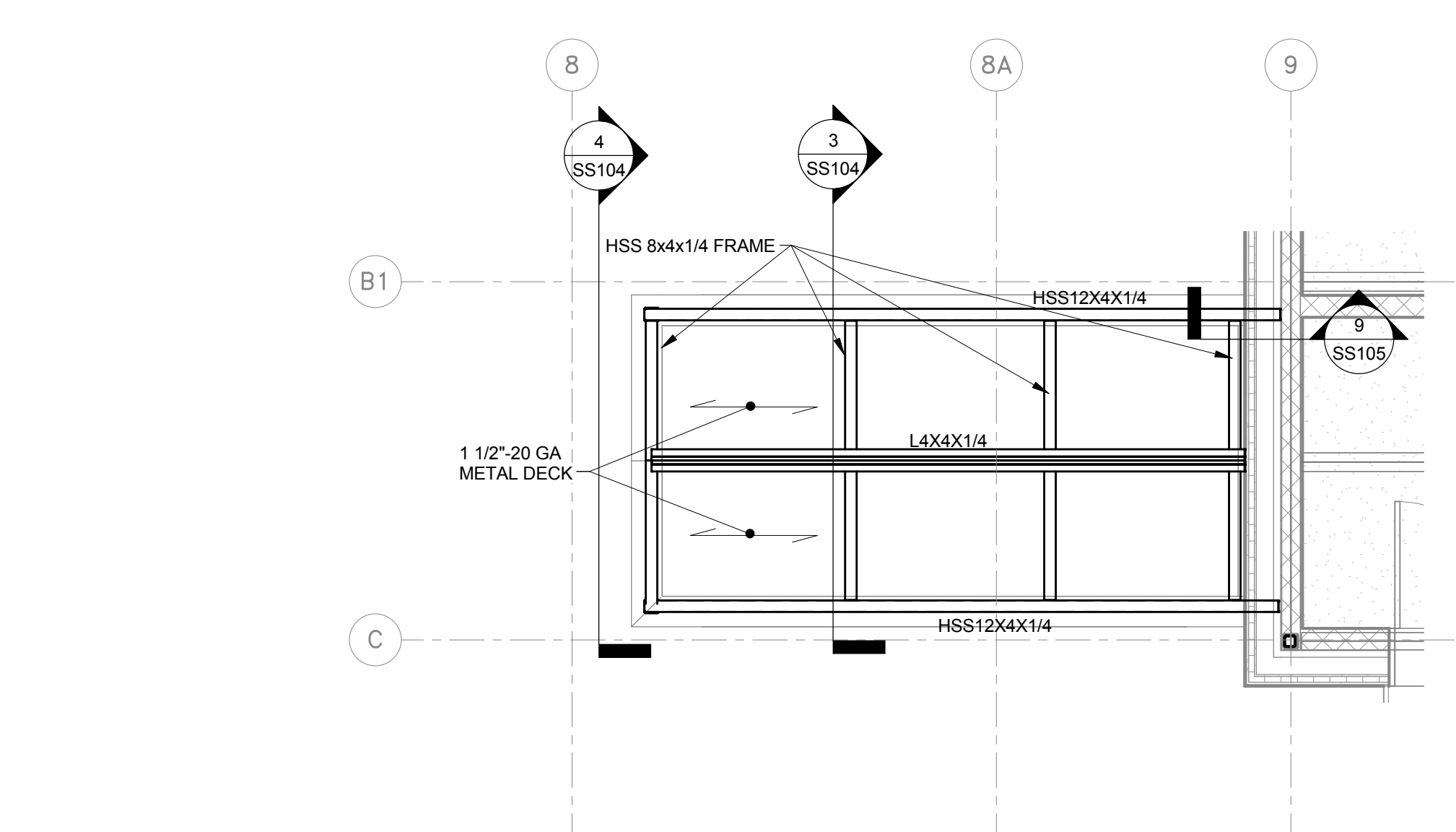
© 2015 Calvin L. Hinz Architects P.C. These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.		IMPORTANT CONTRACTOR'S NOTE 1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS. 2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.		ARCHITECT/ENGINEERS: <div>  <div> Calvin L. Hinz Architects, P.C. 1705 North 200th Street Tukwila, Nebraska 68062 Phone: 602.291.0841 Fax: 602.291.9193 </div> </div> <div>  <div> FARRIS ENGINEERING OMAHA LINCOLN DES MOINES COLORADO SPRINGS farris-usa.com </div> </div> <div>  </div>		Drawing Title <div>8th Floor Framing Plan</div> <div>100%</div> Approved: Project Director		Project Title <div>SPS EXPANSION</div> Location <div>VAMC Oklahoma City, OK</div> Date <div>MARCH 6, 2015</div>		Project Number <div>635-3411</div> Building Number <div>F</div> Drawing Number <div>SS102</div> <div>Dwg. 8 of 101</div>		Office of Construction and Facilities Management 	
---	--	---	--	--	--	---	--	--	--	---	--	---	--

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



Revisions: 100% RESUBMITTAL 03.23.2015 100% SUBMITTAL 03.06.2015 95% SUBMITTAL 02.03.2015 65% SUBMITTAL 11.14.2014 65% SUBMITTAL 07.25.2014		© 2015 Calvin L. Hinz Architects P.C. These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.		IMPORTANT CONTRACTOR'S NOTE 1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS. 2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.		ARCHITECT/ENGINEERS: CLH Calvin L. Hinz Architects P.C. 3705 North 300th Street Elkhorn, Nebraska 68022 Phone: 402.291.6941 Fax: 402.291.9193		FARRIS ENGINEERING OMAHA LINCOLN DES MOINES COLORADO SPRINGS farris-usa.com Shaffer & Stevens		Drawing Title Penthouse & Machine Room Framing Plans 100% Approved: Project Director		Project Title SPS EXPANSION Location VAMC Oklahoma City, OK Date MARCH 6, 2015 Checked DRS Drawn MGJ		Project Number 635-3411 Building Number F Drawing Number SS103 Dwg. 9 of 101		Office of Construction and Facilities Management Department of Veterans Affairs	
---	--	--	--	---	--	---	--	--	--	---	--	--	--	---	--	--	--

three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



NOTES:
1. TOP OF STEEL ELEVATION = 1348'-3"
2. INDICATES MOMENT CONN., SEE DET. 2/SS106

Revisions: 100% RESUBMITTAL	03.23.2015
Revisions: 100% SUBMITTAL	03.06.2015
Revisions: 95% SUBMITTAL	02.03.2015
Revisions: 65% SUBMITTAL	11.14.2014
Revisions: 65% SUBMITTAL	07.25.2014

© 2015 Calvin L. Hinz Architects P.C.
These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.

IMPORTANT CONTRACTOR'S NOTE
1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.
2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.

Calvin L. Hinz Architects, P.C.
3705 North 300th Street
Elkhorn, Nebraska 68022
Phone: 402.291.6941 Fax: 402.291.9193

ARCHITECT/ENGINEERS:

FARRIS ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com

Shaffer & Stevens

Drawing Title
Roof Framing Plan
100%

Approved: Project Director

Project Title
SPS EXPANSION

Location
VAMC Oklahoma City, OK

Date
MARCH 6, 2015

Checked
DRS

Drawn
MGJ

Project Number
635-3411

Building Number
F

Drawing Number
SS104

Dwg. 10 of 101

Office of
Construction
and Facilities
Management



Department of
Veterans Affairs

Revisions: 100% RESUBMITTAL	03.23.2015
Revisions: 100% SUBMITTAL	03.06.2015
Revisions: 95% SUBMITTAL	02.03.2015
Revisions: 65% SUBMITTAL	11.14.2014
Revisions: 65% SUBMITTAL	07.25.2014

© 2015 Calvin L. Hinz Architects P.C.
These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.

IMPORTANT CONTRACTOR'S NOTE

1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.
2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.

 ARCHITECT/ENGINEERS:	
 FARRIS ENGINEERING OMAHA LINCOLN DES MOINES COLORADO SPRINGS farris-usa.com	Calvin L. Hinz Architects, P.C. 3702 North 200th Street Elkhorst, Nebraska 68022 Phone: 402.291.6944 Fax: 402.291.9193
<i>Shaffer & Stevens</i>	

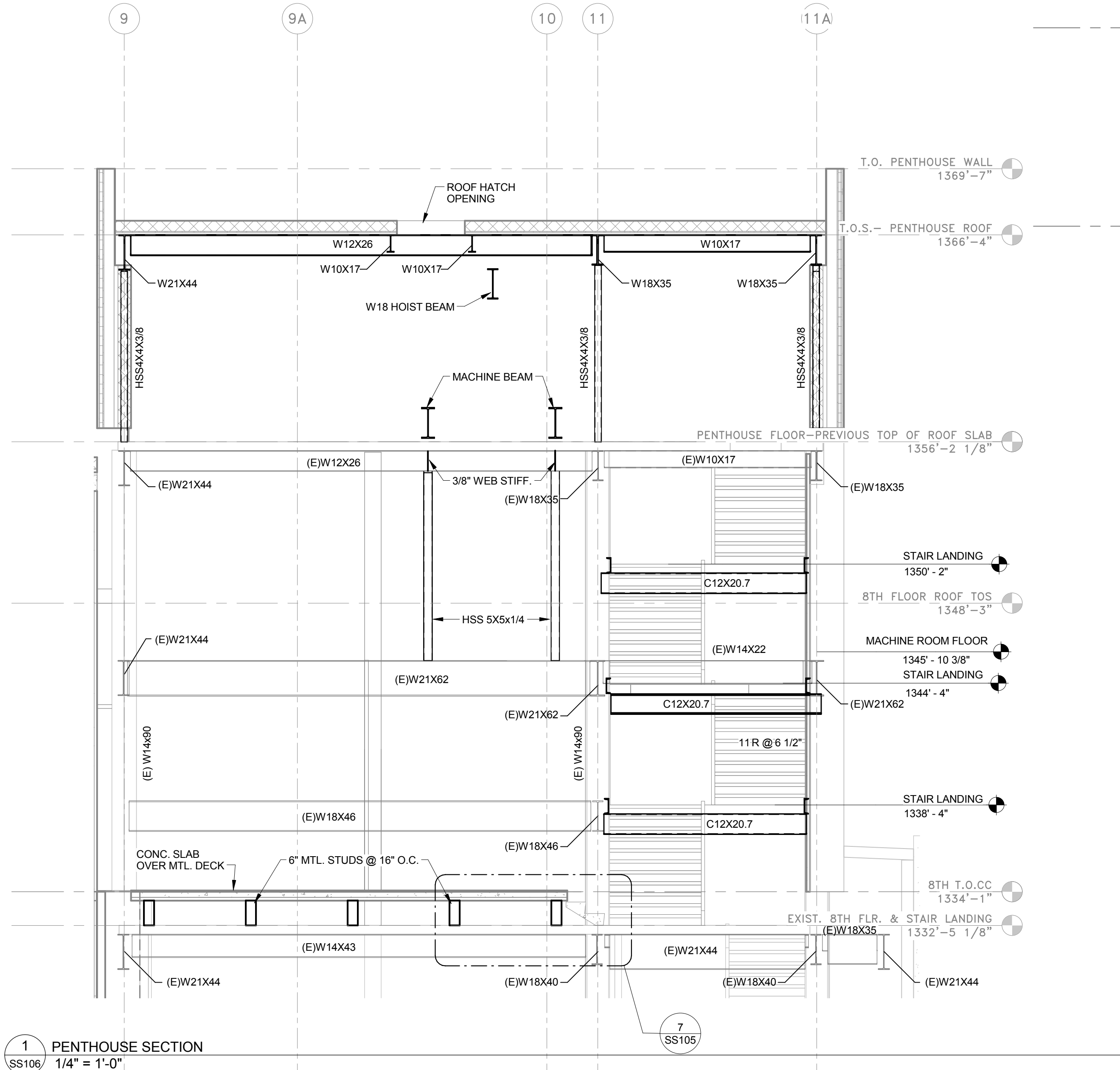
Drawing Title	
Details	
100%	
Approved: Project Director	

Project Title		Project Number	
SPS EXPANSION		635-3411	
Location		Building Number	
VAMC Oklahoma City, OK		F	
Date	Checked	Drawing Number	
MARCH 6, 2015	DRS	SS105	
	MGJ	Dwg. 11 of 101	

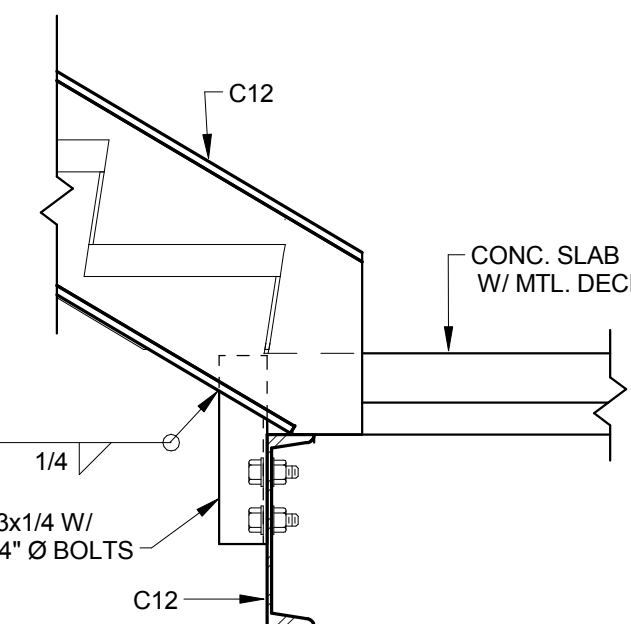
Office of
Construction
and Facilities
Management



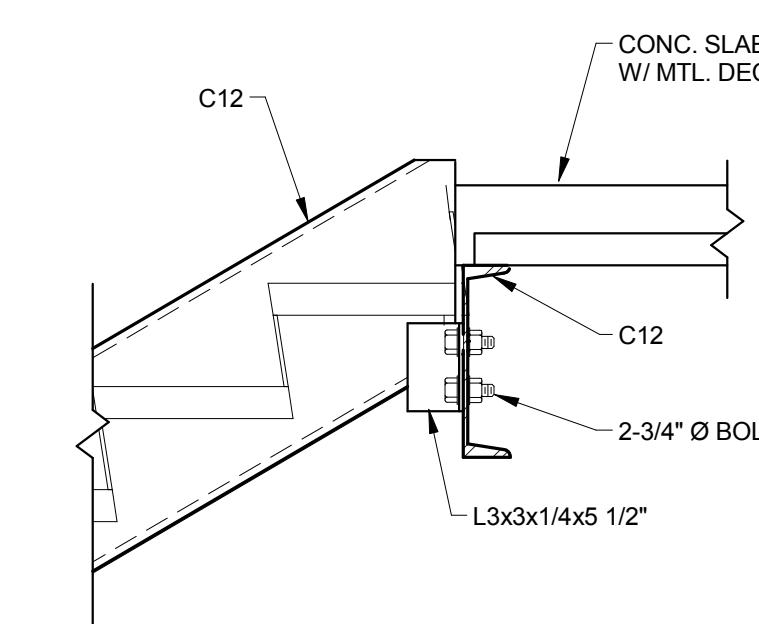
three eighths inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot



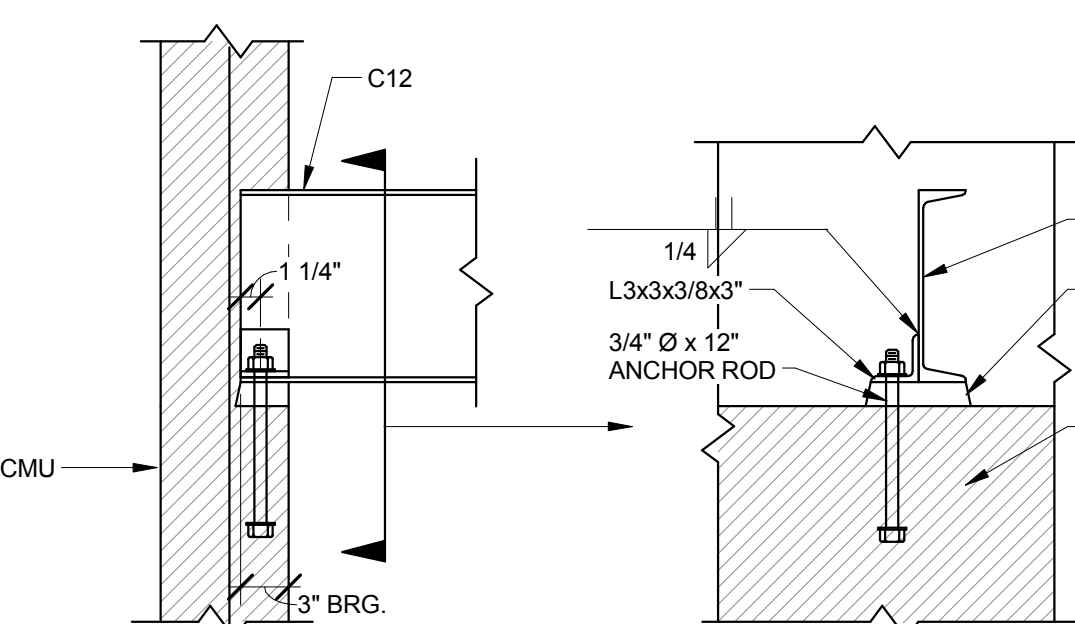
1 PENTHOUSE SECTION
SS106/ 1/4" = 1'-0"



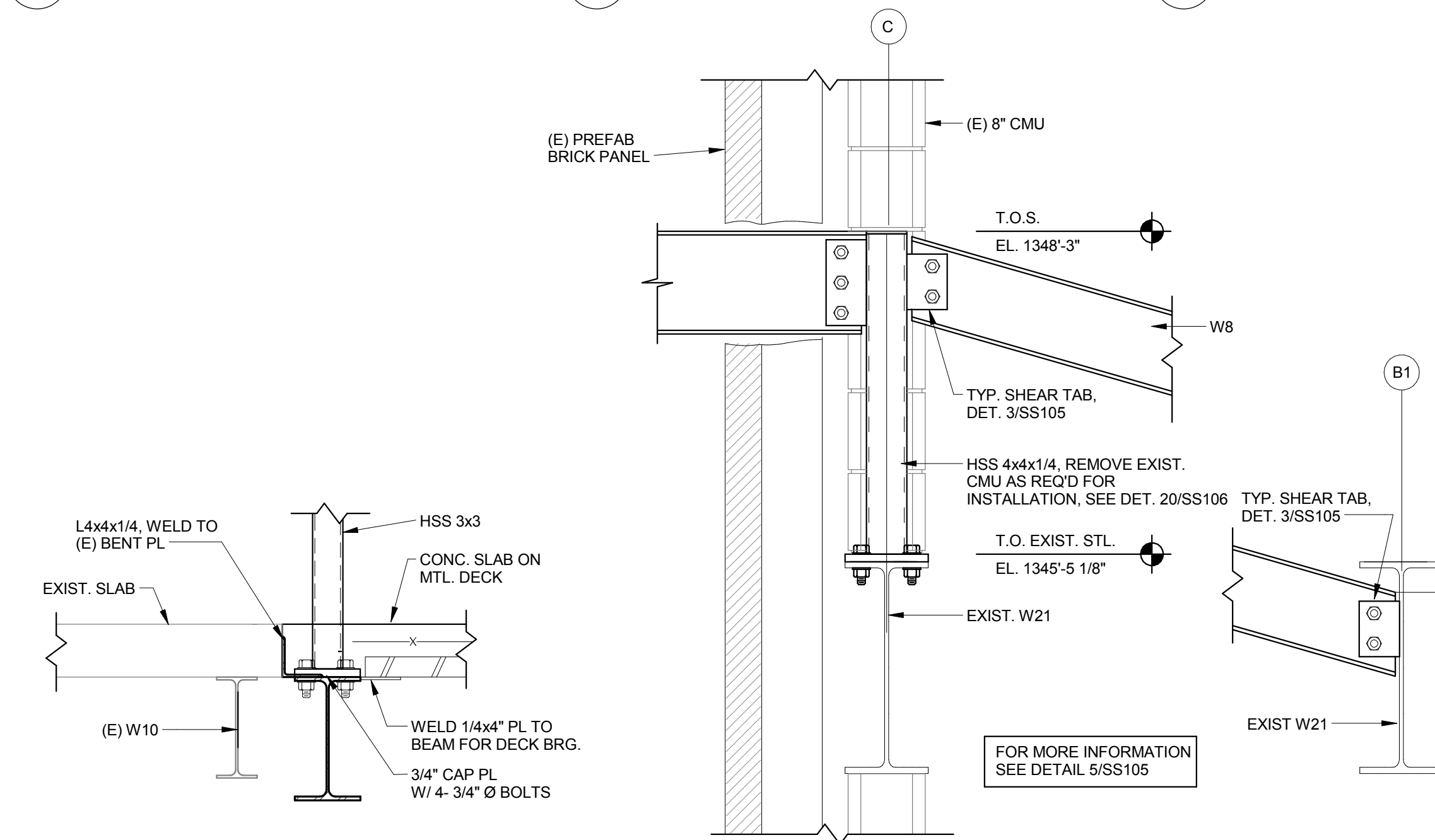
8 TYP. STAIR FRAMING DET.
SS106/ 1" = 1'-0"



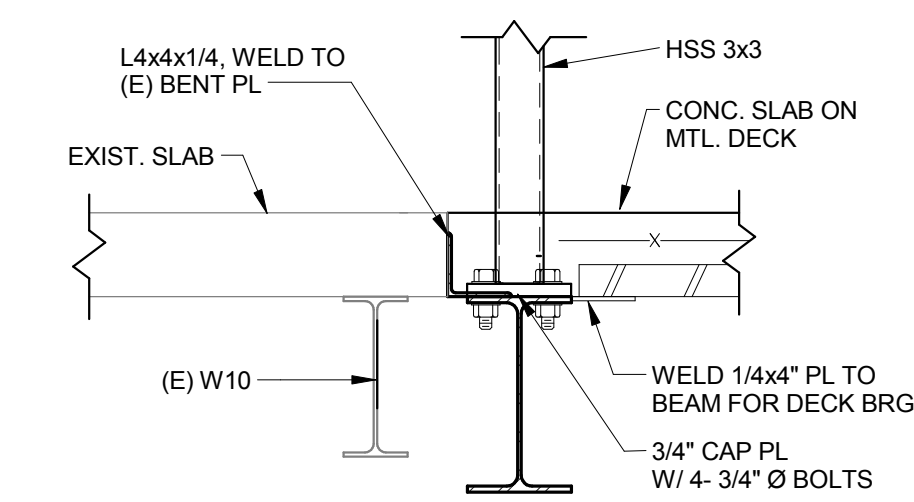
9 TYP. STAIR FRAMING DET.
SS106/ 1" = 1'-0"



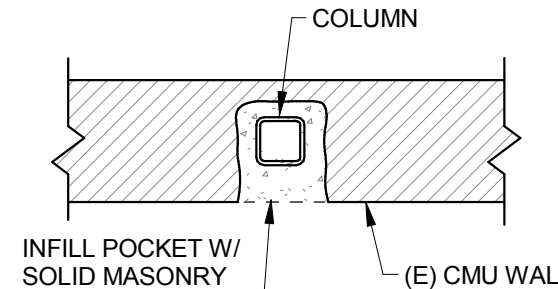
10 STAIR FRAMING DET.
SS106/ 1" = 1'-0"



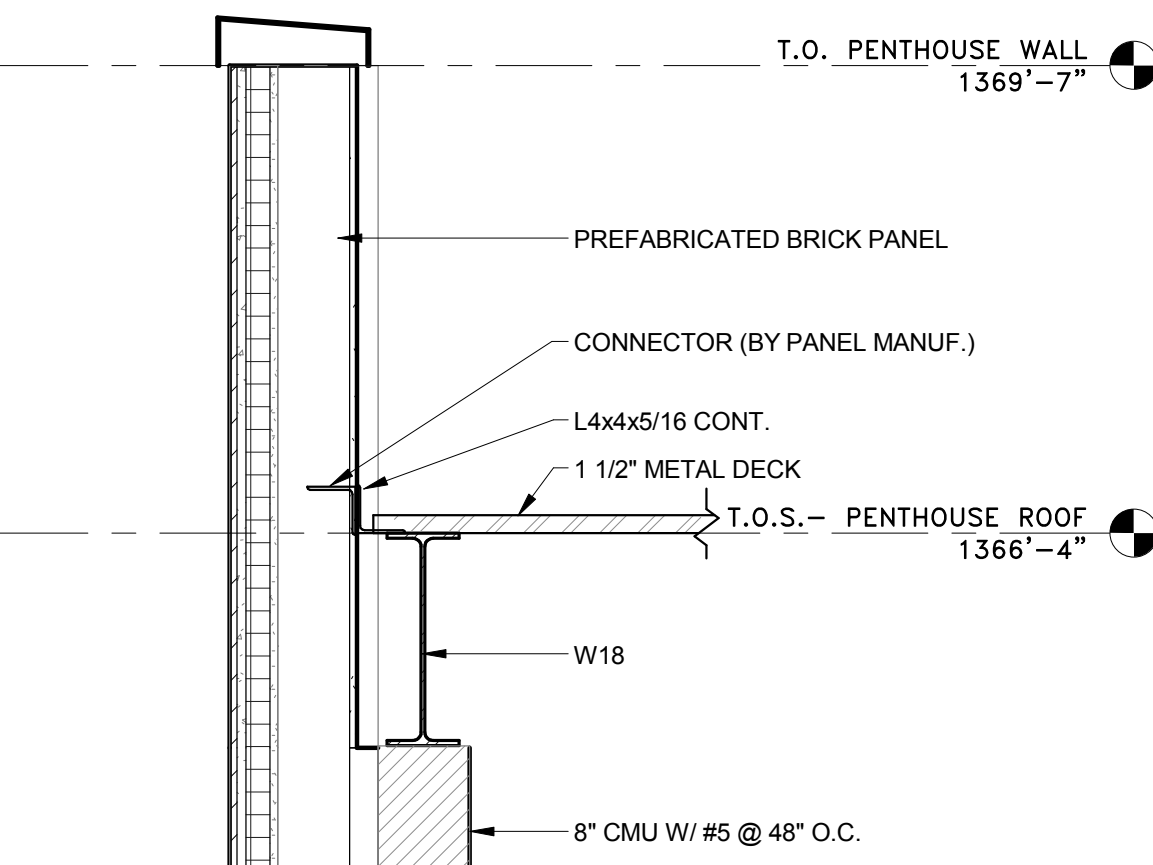
19 BRACE DETAIL
SS106/ 1" = 1'-0"



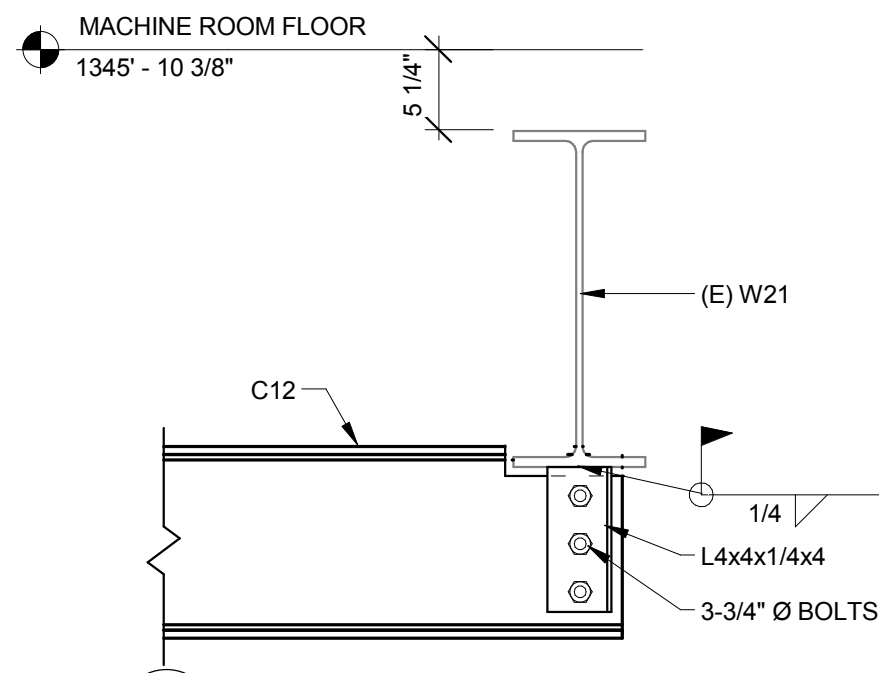
18 STAIR 14 DET.
SS106/ 1" = 1'-0"



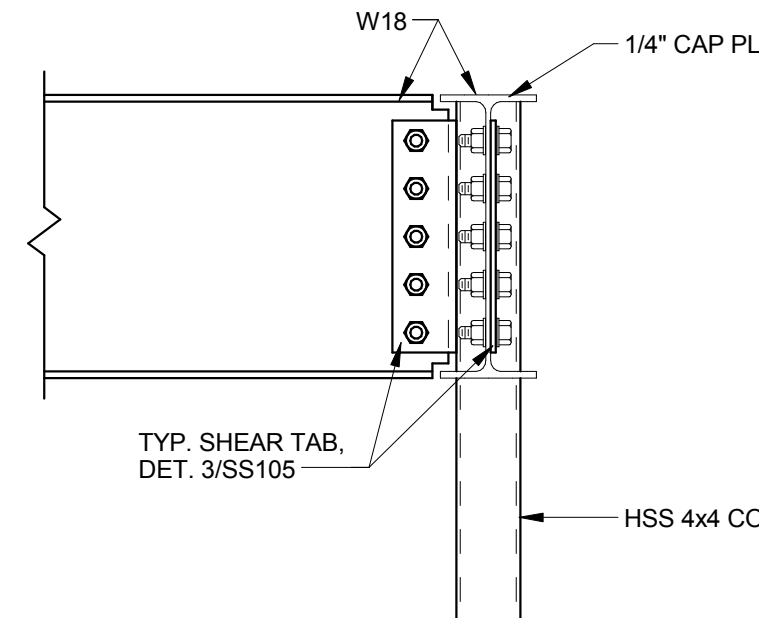
20 COL PLACEMENT DET.
SS106/ 1" = 1'-0"



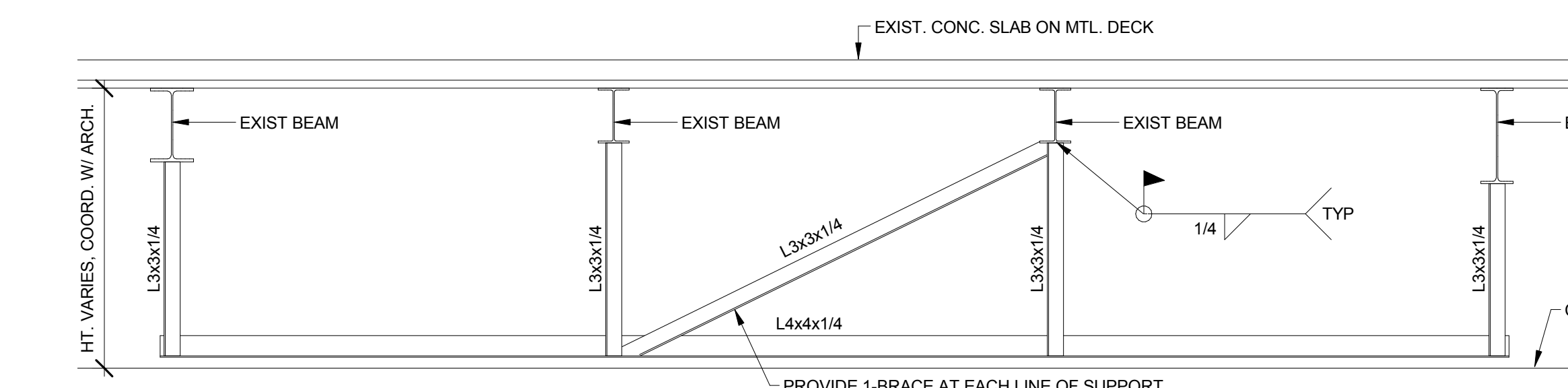
2 PENTHOUSE ROOF FRAMING DET.
SS106/ 3/4" = 1'-0"



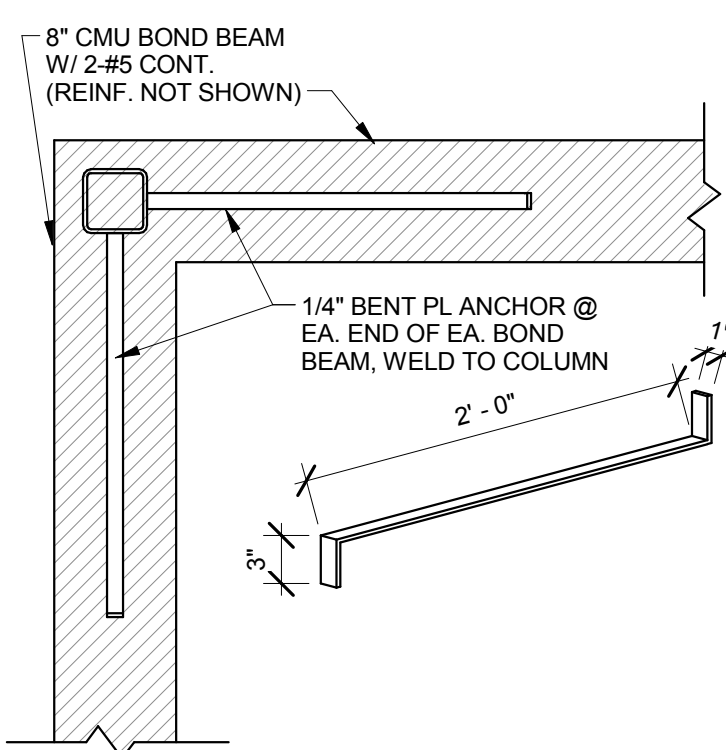
5 STAIR FRAMING DET.
SS106/ 1" = 1'-0"



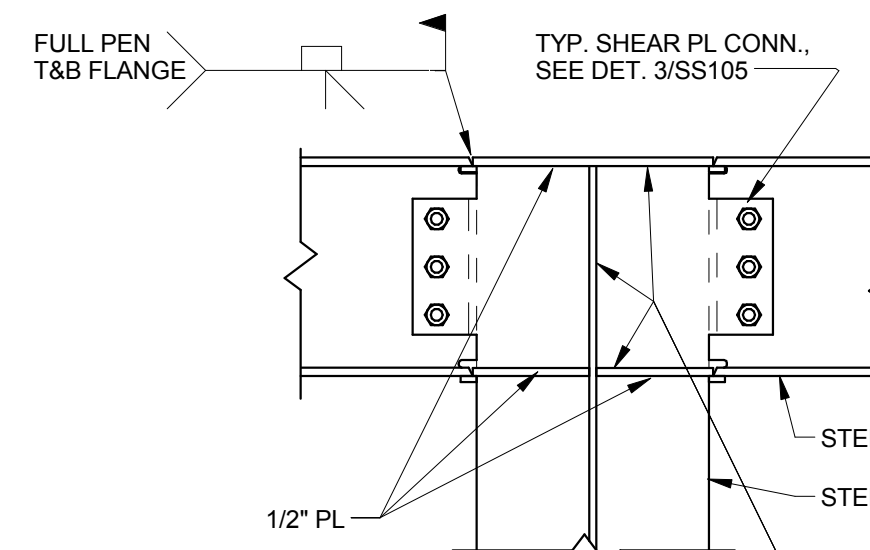
11 FRAMING DETAIL
SS106/ 1" = 1'-0"



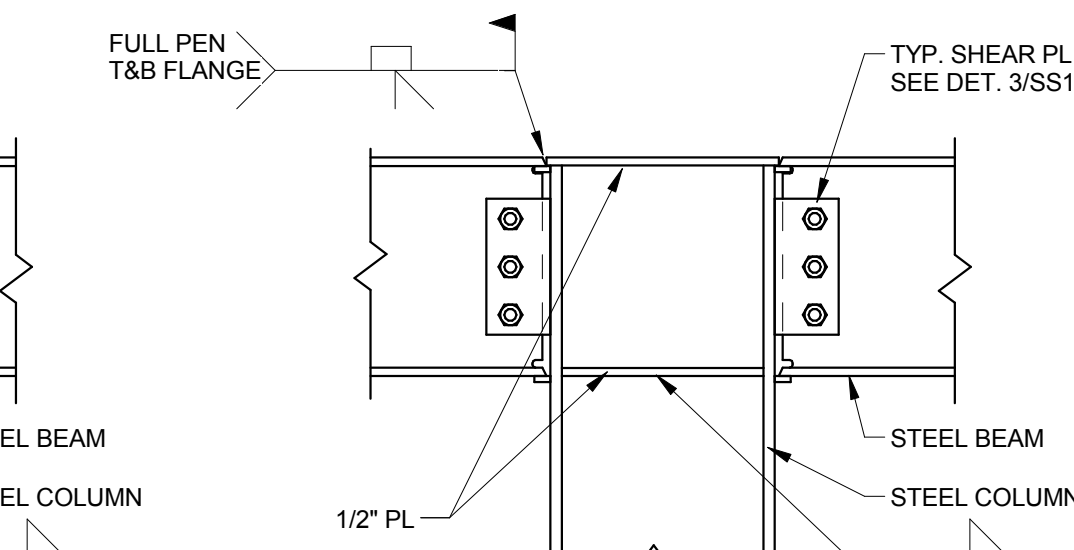
15 TOILET PARTITION FRAMING DETAIL
SS106/ 1/2" = 1'-0"



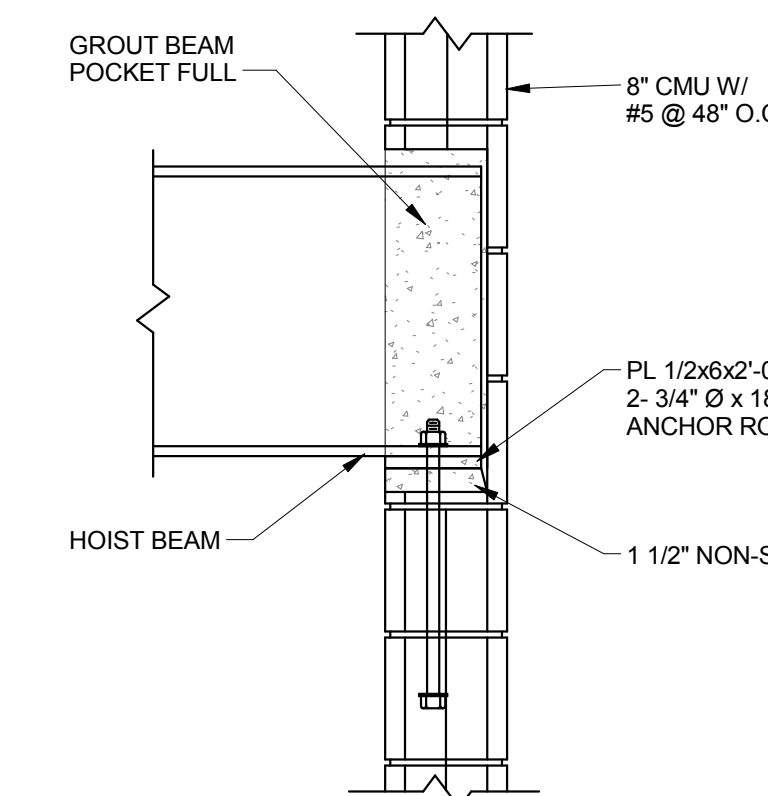
21 TYP. MASONRY ANCHOR DETAIL
SS106/ 1" = 1'-0"



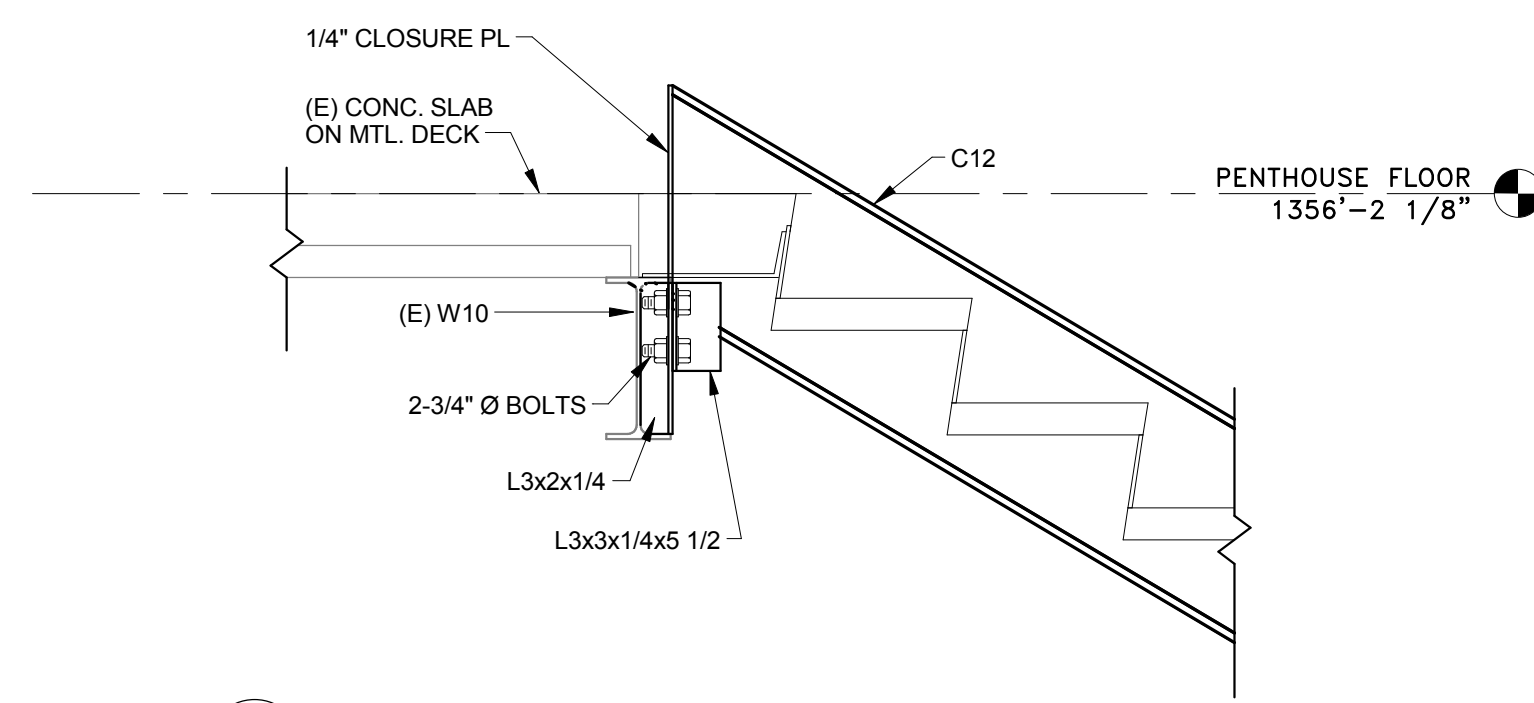
3 TYP. MOMENT CONN. DETAIL
SS106/ 1" = 1'-0"



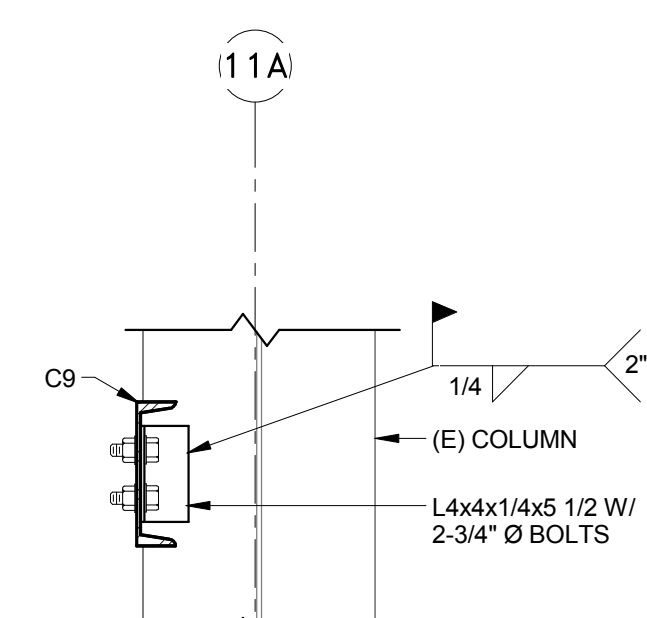
BEAM TO COL. FLANGE



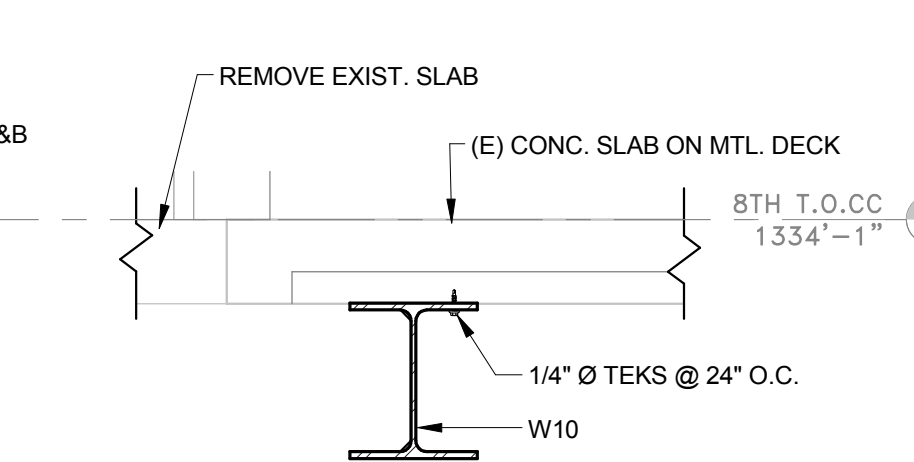
4 BEAM BRG. DETAIL
SS106/ 1" = 1'-0"



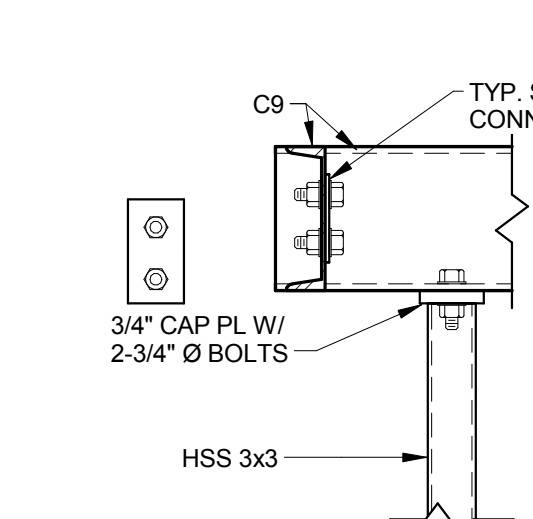
6 STAIR FRAMING DET.
SS106/ 1" = 1'-0"



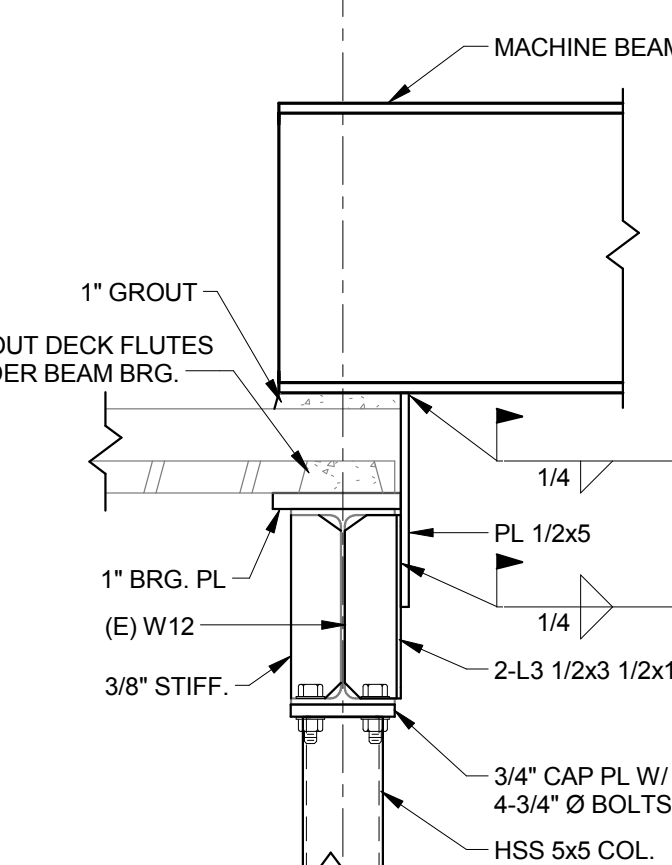
12 STAIR FRAMING DET.
SS106/ 1" = 1'-0"



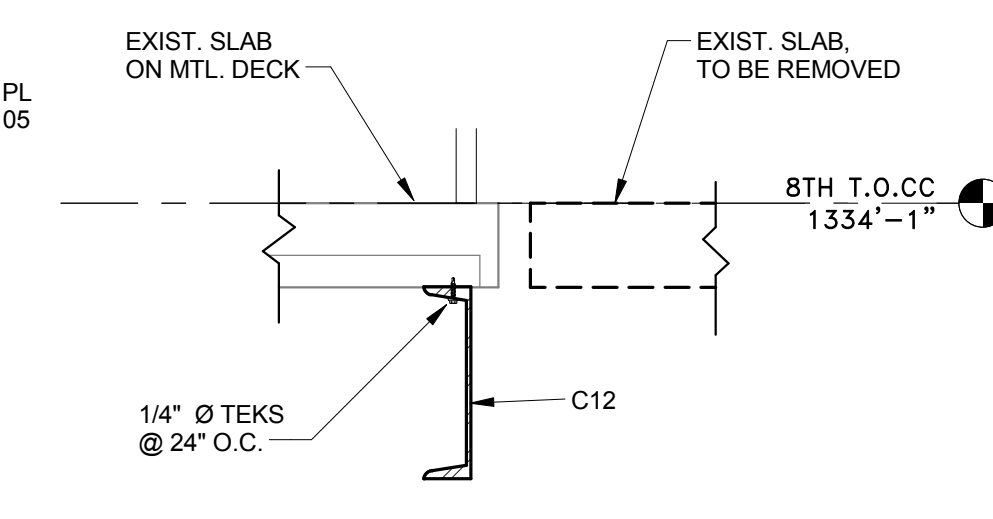
13 SLAB EDGE DETAIL
SS106/ 1" = 1'-0"



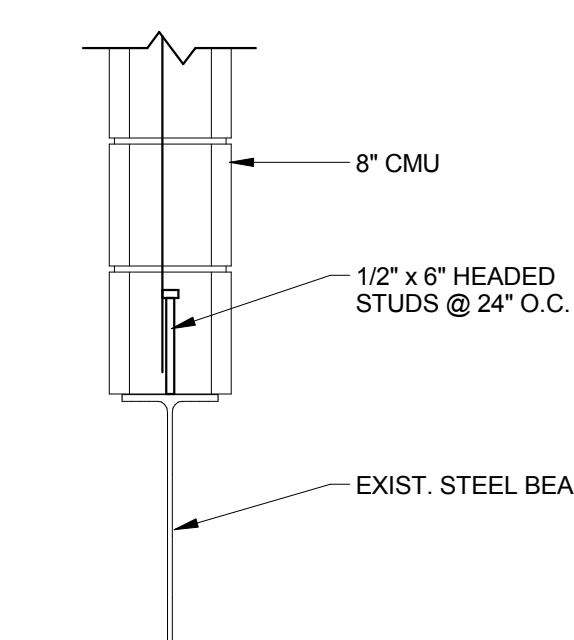
16 STAIR 14 DET.
SS106/ 1" = 1'-0"



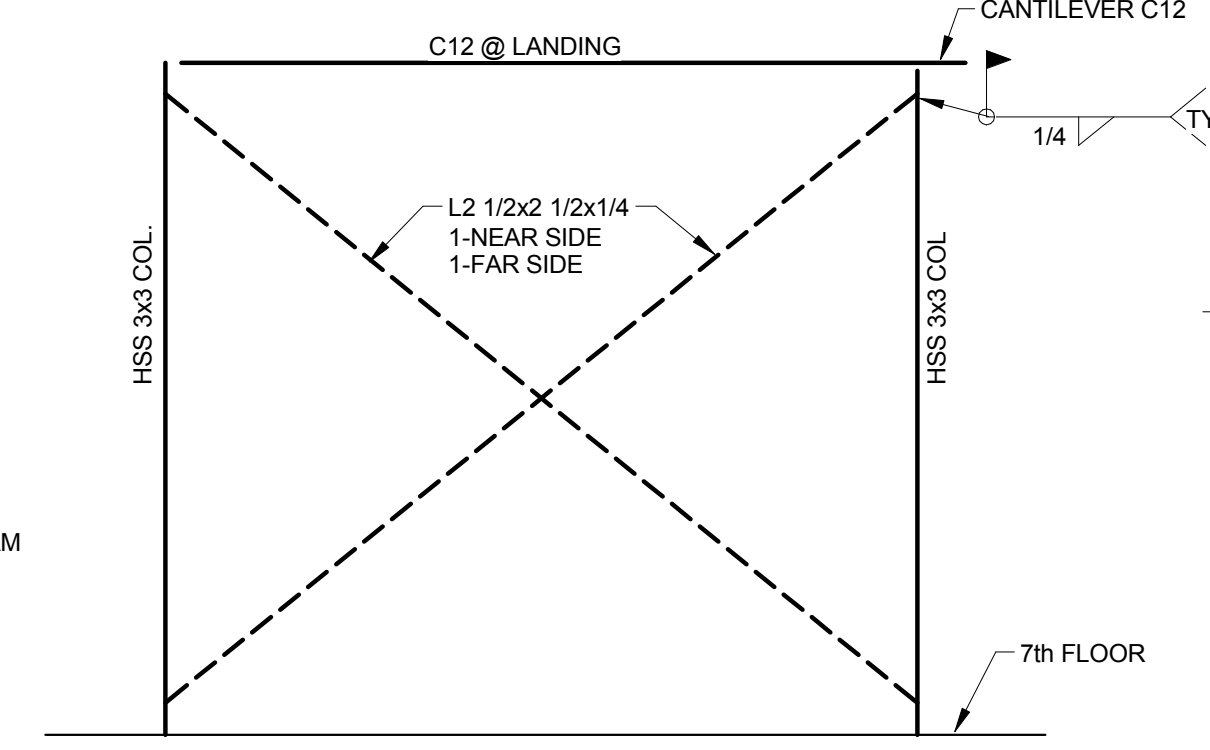
14 MACHINE BEAM FRAMING DET.
SS106/ 1" = 1'-0"



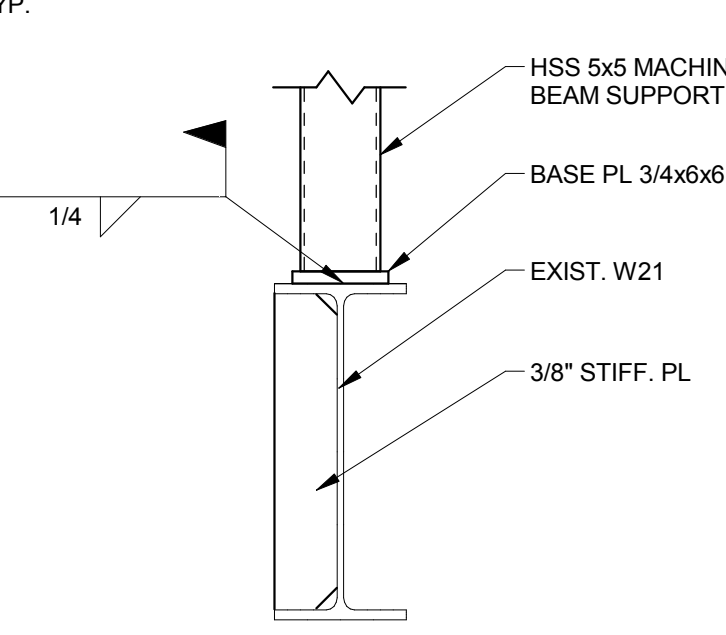
17 FRAMING DETAIL
SS106/ 1" = 1'-0"



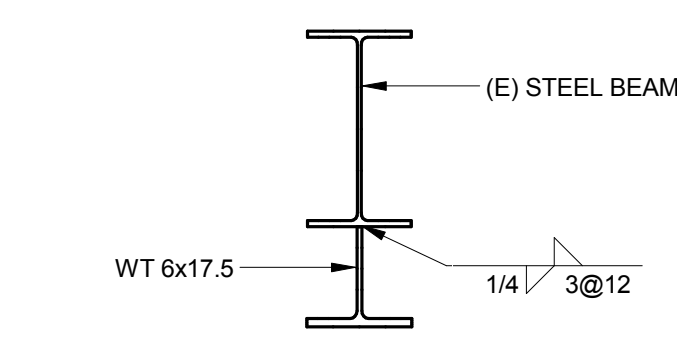
22 TYP. CMU BRG. DETAIL
SS106/ 1" = 1'-0"



23 X-BRACING DETAIL
SS106/ No Scale



24 COLUMN BRG. DETAIL
SS106/ 1" = 1'-0"



25 BEAM REINF. DETAIL
SS106/ 1" = 1'-0"

Revisions:	100% RESUBMITTAL	03.23.2015
Revisions:	100% SUBMITTAL	03.06.2015
Revisions:	95% SUBMITTAL	02.03.2015
Revisions:	65% SUBMITTAL	11.14.2014
Revisions:	65% SUBMITTAL	07.25.2014

© 2015 Calvin L. Hinz Architects P.C.
These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.

IMPORTANT CONTRACTOR'S NOTE
1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.
2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.

ARCHITECT/ENGINEERS:
CLH Calvin L. Hinz Architects, P.C.
3705 North 300th Street
Elkhorn, Nebraska 68022
Phone: 402.291.6941 Fax: 402.291.9193

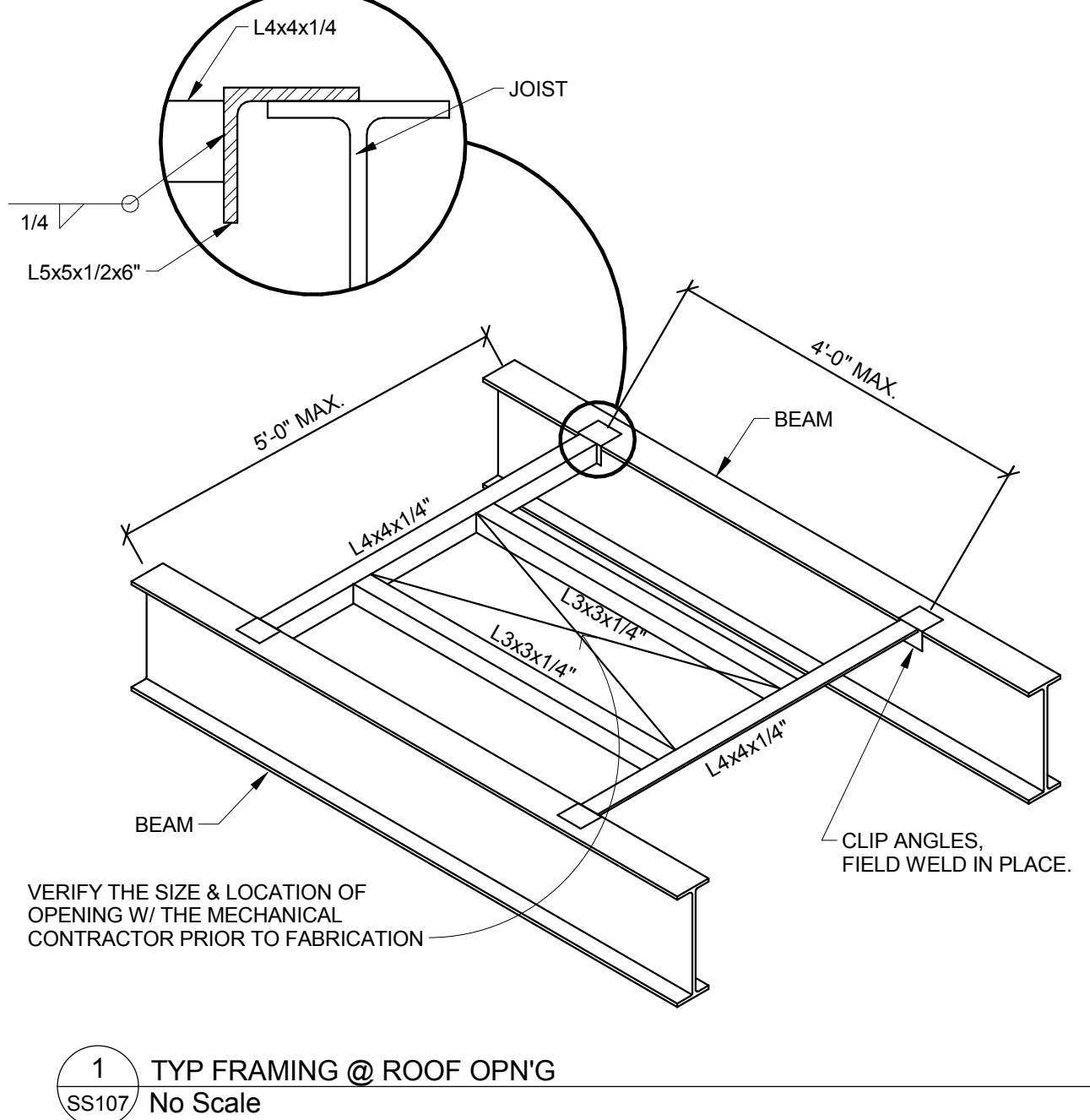
ARCHITECT/ENGINEERS:
FARRIS ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com
Shaffer & Stevens

Drawing Title
Details
100%
Approved: Project Director

Project Title
SPS EXPANSION
Location
VAMC Oklahoma City, OK
Project Number
635-3411
Building Number
F
Drawing Number
SS106
Dwg. 12 of 101

Office of Construction and Facilities Management
Department of Veterans Affairs

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot



GENERAL STRUCTURAL NOTES	
DESIGN CRITERIA:	
DESIGN CODE:	20012 IBC
SNOW LOAD:	
GROUND SNOW LOAD	Pg = 10 PSF
EXPOSURE FACTOR	Ce = 1.0
IMPORTANCE FACTOR	I = 1.5
RAIN ON SNOW (SLOPE <=1/2:12)	= 5 PSF
WIND LOAD:	
BASIC WIND SPEED	V = 120 MPH
EXPOSURE CATEGORY	C
SEISMIC LOAD:	
Se	= 0.266
S1	= 0.077
SDS	= 0.213
SD1	= 0.088
IMPORTANCE FACTOR	I = 1.5
SITE CLASSIFICATION	CLASS C
SEISMIC DESIGN CATEGORY	C
FLOOR LIVE LOAD:	
CORRIDORS	= 100 PSF
EXIT FACILITIES	= 100 PSF
ROOF LIVE LOAD:	= 20 PSF

- GENERAL PROJECT NOTES**
1. ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OR CONSTRUCTION.
 2. THE ARCHITECT SHALL BE NOTIFIED IN WRITING OF ANY EXISTING CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING BUILDING DURING THE EXECUTION OF THE CONTRACT.
 4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE SHORING AND BRACING TO PROTECT THE EXISTING STRUCTURE AND UNFINISHED NEW CONSTRUCTION.

- SPECIAL INSPECTIONS:**
1. PROVIDE SPECIAL INSPECTIONS AS REQUIRED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE FOR THE FOLLOWING: REINFORCED CONCRETE (TABLE 1704.4), STRUCTURAL MASONRY (TABLE 1704.5.1, LEVEL 1), AND STRUCTURAL STEEL (TABLE 1704.3).
 2. PROVIDE THE SPECIAL INSPECTOR 48 HOURS PRIOR NOTICE FOR THE SPECIAL INSPECTIONS.

- CONCRETE AND REINFORCING STEEL:**
1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" UNLESS NOTED OTHERWISE.
 2. CONCRETE CLASSES AND USAGES:
ACONCRETE FILL OVER METAL DECK (INTERIOR SLABS):
 - MINIMUM COMPRESSIVE STRENGTH: 3500 PSI AT 28 DAYS
 - MAXIMUM WATER/CEMENTITIOUS MATERIALS RATIO: 0.45
 - SAND/GRAVEL AGGREGATE
 - SLUMP RANGE BETWEEN 2" AND 4"
 - NO ENTRAINED AIR
 3. FLY ASH MAY BE USED UP TO 25% BY WEIGHT, OF CEMENTITIOUS MATERIAL. FLY ASH SHALL NOT BE USED IN SLABS WITH EXPOSED CONCRETE FINISH.
 4. NON-SHRINK GROUT SHALL BE CEMENTITIOUS STRUCTURAL GROUT AND SHALL NOT CONTAIN METALLIC MATERIAL OR CHLORIDES. MINIMUM COMPRESSIVE STRENGTHS SHALL BE AS FOLLOWS: 3,000 PSI AT 1 DAY, 5,000 PSI AT 7 DAYS AND 6,000 PSI AT 28 DAYS.
 5. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL MECHANICAL AND ELECTRICAL SLEEVES AND ALL UTILITY LOCATIONS PRIOR TO PLACEMENT OF CONCRETE.
 6. ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60.
 7. WELDED STEEL WIRE FABRIC SHALL BE ASTM A-185, PLAIN TYPE AND FINISH, FLAT SHEETS.
 8. ALL REINFORCING SHALL BE CONTINUOUS OR SHALL LAP 56 BAR DIAMETERS UNLESS NOTED OTHERWISE.
 9. ALL CONCRETE SLABS OVER METAL DECK SHALL BE REINFORCED WITH 6 x 6 - W2.1 x W2.1 WVF UNLESS NOTED OTHERWISE.
 10. FLOOR FINISH TOLERANCES FOR SLABS ON GRADE SHALL BE IN ACCORDANCE WITH ACI 117. STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS, THE F-NUMBER SYSTEM SHALL BE USED WITH A FLATNESS OF 30 AND A LEVELNESS OF 20 MEASURED IN ACCORDANCE WITH ASTM E 1155-87.
 11. WHERE THE SPACING OF SLAB REINFORCING IS CALLED OUT AS "ON CENTER (O.C.)", PLACE THE FIRST BAR 2" FROM THE EDGE OF THE SLAB.
 12. ALL REINFORCING STEEL SHALL BE EITHER CONTINUOUS OR DOWELED THROUGH CONSTRUCTION JOINTS. DOWELS SHALL BE THE SAME SIZE AND SPACING AS SCHEDULED REINFORCING AND SHALL LAP 56 BAR DIAMETERS.
 13. CONCRETE PROTECTION FOR REINFORCING SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

EXPOSED TO EARTH OR WEATHER	MINIMUM COVER (INCHES)
#5 BARS AND SMALLER	1 1/2
#6 THROUGH #18 BARS	2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH, SLABS, WALLS AND JOISTS	
#11 BARS AND SMALLER	3/4
 14. THE CONTRACTOR SHALL SUBMIT CONCRETE REINFORCING STEEL SHOP DRAWINGS TO THE ARCHITECT.

- CONCRETE AND BRICK MASONRY:**
1. CONCRETE MASONRY UNITS SHALL BE STANDARD WEIGHT. HOLLOW UNITS SHALL CONFORM TO ASTM C 90 AND SOLID UNITS SHALL CONFORM TO ASTM C 55, GRADE N. MASONRY COMPRESSIVE STRENGTH (fm) SHALL NOT BE LESS THAN 1500 PSI.
 2. ALL MORTAR SHALL CONFORM TO ASTM C-270, TYPE S OR M.
 3. FULL MORTAR COVERAGE SHALL BE MADE ON THE FACE SHELLS AND ON THE WEBS SURROUNDING CELLS TO BE GROUTED.
 4. GROUT SHALL CONFORM TO ASTM C-478.
 5. GROUT FOR FILLING BLOCK CELLS SHALL BE COURSE AGGREGATE GROUT, WITH A MINIMUM STRENGTH OF 3,000 PSI AT 28 DAYS AND A SLUMP RANGE BETWEEN 8" AND 10".
 6. GROUT OR MORTAR ADMXTURES ARE NOT ALLOWED WITHOUT APPROVAL OF THE ENGINEER.
 7. ALL MASONRY WALLS SHALL HAVE GALVANIZED HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. VERTICAL SPACING. REINFORCEMENT SHALL BE LADDER TYPE WITH 9 GAGE SIDE RODS AND CROSS RODS. REINFORCEMENT SHALL BE LAPPED AT ALL SPLICE LOCATIONS PER MANUFACTURER RECOMMENDATIONS. PROVIDE PREFABRICATED CORNER SECTIONS AND 'T' SECTIONS AT INTERSECTING WALLS UNLESS NOTED OTHERWISE.
 8. ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60.
 9. VERTICAL REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS AT ALL SPLICES. BARS SHALL EXTEND 6 INCHES VERTICALLY INTO BOND BEAMS.
 10. ALL MASONRY SHALL HAVE OVERLAPPING MASONRY BONDING AT CORNERS AND WALL INTERSECTIONS. BOND BEAMS SHALL HAVE CORNER BARS TO MATCH BOND BEAM REINFORCING.
 11. VERTICAL CONTROL JOINTS FOR CONCRETE MASONRY UNITS SHALL NOT EXCEED 30 FEET O.C AND SHALL NOT EXCEED 6'-0" FROM CORNERS. HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS.
 12. THE CONTRACTOR SHALL SUBMIT STRUCTURAL MASONRY REINFORCING STEEL SHOP DRAWINGS TO THE ARCHITECT.

- STRUCTURAL STEEL:**
1. STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS" AND THE "CODE OF STANDARD PRACTICE", LATEST EDITIONS.
 2. ALL WIDE FLANGES SHALL BE ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE. CHANNELS, ANGLES AND PLATE MATERIAL SHALL BE ASTM A36.
 3. ALL STRUCTURAL PIPES SHALL BE ASTM A53, GRADE B, FY = 35 KSI.
 4. ALL RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL BE ASTM A500, GRADE B, FY = 46 KSI.
 5. ALL STRUCTURAL STEEL BOLTS SHALL BE 3/4" DIAMETER ASTM A325N, UNLESS NOTED OTHERWISE.
 6. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D.1.1, LATEST EDITION.
 7. ALL WELDS SHALL BE MADE WITH E70 ELECTRODES.
 8. STEEL SHALL BE THOROUGHLY CLEANED OF MILL SCALE PRIOR TO APPLICATION OF THE PRIMER IN ACCORDANCE WITH SSPC SP-2 OR SP-3.
 9. SHOP PAINT STRUCTURAL STEEL WITH ONE COAT, 2 MILS OF FABRICATOR'S STANDARD PRIMER. DO NOT PAINT THE CONTACT SURFACES OF FIELD WELDED CONNECTIONS OR OF STEEL IN CONTACT WITH CONCRETE.
 10. STANDARD AISC CONNECTIONS SHALL BE USED UNLESS SHOWN OTHERWISE. NO CONNECTION SHALL HAVE LESS THAN TWO BOLTS OR AN EQUIVALENT WELD.
 11. BRACING MEMBERS SHALL BE FRAMED TO THE CENTERLINE OF THE BEAMS AND COLUMNS AT THE CONNECTION UNLESS NOTED OTHERWISE.
 12. GALVANIZED STEEL SHALL BE SURFACE PREPARED BY CAUSTIC CLEANING, ACID PICKLING, AND FLUXING, AND SHALL BE HOT DIP GALVANIZED ACCORDING TO ASTM A123, "STANDARD SPECIFICATION FOR ZINC (HOT DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS".
 13. THE CONTRACTOR SHALL SUBMIT STRUCTURAL STEEL SHOP DRAWINGS TO THE ARCHITECT.

- STEEL STAIRS:**
1. STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS" AND THE "CODE OF STANDARD PRACTICE", LATEST EDITIONS.
 2. ALL WIDE FLANGES SHALL BE ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE. CHANNELS, ANGLES AND PLATE MATERIAL SHALL BE ASTM A36.
 3. ALL STAIR STRINGERS SHALL BE C12X20.7 UNLESS NOTED OTHERWISE.
 4. STAIR TREADS SHALL BE LIGHTGAGE METAL PANS WITH CONCRETE FILL.
 5. THE CONTRACTOR SHALL SUBMIT STRUCTURAL STEEL STAIR SHOP DRAWINGS TO THE ARCHITECT.

- STEEL DECK:**
1. STEEL DECK SHALL CONFORM TO THE STEEL DECK SPECIFICATIONS AND LOAD TABLES OF THE STEEL DECK INSTITUTE (SDI).
 2. THE STEEL ROOF DECK SHALL BE 1 1/2" DEEP, 20 GAGE, TYPE B.
 3. METAL DECKING SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.
 4. FASTEN DECK WITH 5/8" PUDDLE WELDS AT 36/4 PATTERN AND WELDED WASHERS AS RECOMMENDED BY MANUFACTURER.
 5. METAL DECK SHALL HAVE A MINIMUM OF #10 TEK SCREWS AT 12" O.C. FOR SIDELAP FASTENERS. SIDELAPS OF COMPOSITE FLOOR DECK WITH SPANS OVER 5 FEET SHALL HAVE A MINIMUM OF #10 TEK SCREWS AT 36" O.C.
 6. METAL ROOF AND FLOOR DECK SHALL BE GALVANIZED. WHERE WELDING HAS DAMAGED THE DECK COATING, THE COATINGS SHALL BE REPAIRED IN THE FIELD.
 7. THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL DRAWINGS THE LOCATION OF ALL OPENINGS CUT THROUGH METAL DECK.
 8. ALL HOLES IN THE METAL DECK GREATER THAN 6" BUT LESS THAN 12" WIDE SHALL BE FRAMED ON TWO SIDES WITH L2x2x1/4 ANGLES EXTENDING 2 FLUTES BEYOND THE OPENING.
 9. THE CONTRACTOR SHALL SUBMIT STEEL DECK SHOP DRAWINGS TO THE ARCHITECT.

- LIGHT GAGE STEEL FRAMING:**
1. WORK SHALL MEET THE REQUIREMENTS OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), "DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST STANDARDS.
 2. ALL GALVANIZED LIGHT GAGE STEEL MEMBERS SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653.
 3. WALL STUDS AT BEARING WALLS SHALL BE 'C' SHAPED, 6" DEEP @ 16" O.C. WITH 1 5/8" FLANGES AND 1/2" MINIMUM LIPS, 20 GAGE THICK, AND FY = 33 KSI, UNLESS NOTED OTHERWISE.
 4. WALL STUD TRACKS SHALL BE 20 GAGE THICKNESS WITH FY = 33KSI AND THE TRACKS SHALL MATCH THE WIDTH OF STUD WALL SPECIFIED.
 5. CONNECTIONS FOR LIGHT GAGE STEEL MEMBERS SHALL BE STANDARD DETAILS AS RECOMMENDED BY THE LIGHT GAGE STEEL MANUFACTURER UNLESS NOTED OTHERWISE.
 6. FASTENING OF LIGHT GAGE STEEL MEMBERS SHALL BE WITH SELF-TAPPING SCREWS OR WELDING. SELF-TAPPING SCREWS SHALL BE NO. 8 UNLESS NOTED OTHERWISE. SELF-TAPPING SCREWS SHALL HAVE A MINIMUM SPACING OF 3/4" AND A MINIMUM EDGE DISTANCE OF 1/2" UNLESS NOTED OTHERWISE.
 7. FASTENING OF LIGHT GAGE STEEL FRAMING TO STRUCTURAL STEEL SHALL BE WITH MINIMUM #12 SELF DRILLING SELF TAPPING SCREWS OR WITH MINIMUM 0.177 INCH SHANK DIAMETER POWDER DRIVEN FASTENERS UNLESS NOTED OTHERWISE.
 8. FASTENING OF LIGHT GAGE STEEL RUNNING TRACK TO CONCRETE SLAB SHALL BE WITH TWO (2) - 1/4" x 1 1/2" SCREW ANCHORS AT 32" O.C. FASTENING OF LIGHT GAGE STEEL FRAMING TO OTHER CONCRETE OR GROUTED SOLID MASONRY SHALL BE WITH MINIMUM 3/16" x 1 1/2" SCREW ANCHOR UNLESS NOTED OTHERWISE. APPROVED CONCRETE / MASONRY SCREW ANCHORS SHALL BE:
 - a. TAPCON ANCHOR, BY ITW RAMSET / REDHEAD,
 - b. TAPCON ANCHOR, BY FASTENAL COMPANY,
 - c. KWIK-CON II FASTENING SYSTEM, BY HILTI,
 - d. OR AN APPROVED EQUAL.
 9. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS. MEMBERS SHALL BE HELD IN PLACE UNTIL PROPERLY FASTENED.
 10. LIGHT GAGE STEEL STUDS SHALL HAVE FULL BEARING AGAINST TOP AND BOTTOM TRACK WEB. STUDS SHALL BE SECURELY ATTACHED TO THE FLANGE OR WEB OF BOTH TOP TRACK AND BOTTOM TRACK UNLESS NOTED OTHERWISE.
 11. SPLICES ARE NOT ALLOWED IN STUD MEMBERS.
 12. THE CONTRACTOR SHALL SUBMIT LIGHT GAGE STEEL FRAMING SHOP DRAWINGS TO THE ARCHITECT.

- FASTENERS:**
1. ALL EXPANSION ANCHORS SHALL BE THE SIZE AND EMBEDMENT AS SHOWN ON THE DRAWINGS. WHEN EMBEDMENT IS NOT SHOWN ON THE DRAWINGS, THE EMBEDMENT SHALL BE THE STANDARD EMBEDMENT AS RECOMMENDED BY THE MANUFACTURER.
 2. THE PLACEMENT OF EXPANSION BOLTS IN MASONRY HEAD JOINTS OR 'T' JOINTS SHALL BE AVOIDED IF POSSIBLE. EXPANSION BOLTS SHALL HAVE A MINIMUM OF 8" OF GROUT AROUND ALL SIDES OF THE BOLTS.
 3. APPROVED EXPANSION ANCHORS SHALL BE:
 - a. KWIK BOLT 3 EXPANSION ANCHOR BY HILTI,
 - b. TRIBOLT WEDGE ANCHOR BY ITW RAMSET / REDHEAD,
 - c. OR AN APPROVED EQUAL.
 4. ALL ADHESIVE ANCHORS SHALL BE THE SIZE AND EMBEDMENT AS SHOWN ON THE DRAWINGS. WHEN EMBEDMENT IS NOT SHOWN ON THE DRAWINGS, THE EMBEDMENT SHALL BE THE STANDARD EMBEDMENT AS RECOMMENDED BY THE MANUFACTURER.
 5. APPROVED ADHESIVE ANCHORS SHALL BE:
 - a. HY-200 INJECTION ADHESIVE ANCHOR INTO SOLID CONCRETE OR SOLID MASONRY BLOCK, BY HILTI,
 - b. HY-TO INJECTION ADHESIVE ANCHOR WITH SCREEN TUBE INTO HOLLOW MASONRY BLOCK OR SOLID BRICK WITH VOIDS, BY HILTI,
 - c. EPICON ADHESIVE ANCHOR SYSTEM WITH CERAMIC 6 EPOXY INTO SOLID CONCRETE OR SOLID MASONRY, BY ITW RAMSET / REDHEAD,
 - d. EPICON ADHESIVE ANCHOR SYSTEM WITH CERAMIC 6 EPOXY WITH SCREEN TUBES INTO HOLLOW MASONRY BLOCK OR SOLID BRICK WITH VOIDS, BY ITW RAMSET / REDHEAD,
 - e. OR AN APPROVED EQUAL.

- DEMOLITION:**
1. PRIOR TO REMOVAL OF THE EXISTING SUPPORTING STRUCTURE, ADEQUATELY SHORE THE EXISTING PORTIONS SO THAT NO MOVEMENT OCCURS. MAINTAIN THE EXISTING LINES AND ELEVATIONS AFTER PERMANENT SUPPORTS ARE IN PLACE.

<div>VA FORM 08-6237</div>		<div>© 2015 Calvin L. Hinz Architects P.C. These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.</div>		<div>IMPORTANT CONTRACTOR'S NOTE 1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS. 2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.</div>		<div><div><div>CLH</div><div>Calvin L. Hinz</div></div><div>Calvin L. Hinz Architects, P.C. 3705 North 300th Street Elkhorn, Nebraska 68022 Phone: 402.291.6941 Fax: 402.291.9193</div></div> <div><div><div>FARRIS ENGINEERING</div><div>OMAHA LINCOLN DES MOINES COLORADO SPRINGS</div><div>farris-usa.com</div></div><div><div>Shaffer & Stevens</div></div></div>		<div>Drawing Title General Notes & Details 100%</div> <div>Approved: Project Director</div>		<div>Project Title SPS EXPANSION</div> <div>Location VAMC Oklahoma City, OK</div> <div>Date MARCH 6, 2015</div> <div>Checked DRS</div> <div>Drawn MGJ</div>		<div>Project Number 635-3411</div> <div>Building Number F</div> <div>Drawing Number SS107</div> <div>Dwg. 13 of 101</div>		<div>Office of Construction and Facilities Management</div> <div>Department of Veterans Affairs</div>	
----------------------------	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--