

DESIGN CRITERIA

- 1. CODES: INTERNATIONAL BUILDING CODE (IBC) 2012... AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-11)... AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS... ALLOWABLE STRENGTH DESIGN (ASD) (AISC 360-10) THIRTEENTH EDITION, 2010... AMERICAN WELDING SOCIETY D1.1... AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATION FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS... 2. DESIGN LOADS: RISK CATEGORY III... EQUIVALENT FLUID PRESSURE 70 PCF... SEISMIC (IBC) SOIL CLASSIFICATION D... SPECTRAL RESPONSE ACCELERATION Ss 0.136g... SPECTRAL RESPONSE ACCELERATION S1 0.064g... SHORT PERIOD DESIGN ACCELERATION Sds 0.145g... LONG PERIOD DESIGN ACCELERATION Sd1 0.102g... IMPORTANCE FACTOR 1.25... SEISMIC DESIGN CATEGORY B... SECONDARY PREEXISTING SYSTEM STEEL BRACED FRAMES NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE... EQUIVALENT LATERAL FORCE 0.06... SEISMIC RESPONSE COEFFICIENT, Cs 0.06... WIND - PARAMETERS BASIC WIND SPEED 120 MPH... IMPORTANCE FACTOR 1.0... EXPOSURE CLASS B... WIND - MAIN WIND FORCE RESISTING SYSTEM PRESSURES WIND DESIGN PRESSURE 28 PSF... ROOF UPLIFT PRESSURE 15 PSF (GROSS) (I.C. 0.8W) WIND UPLIFT PRESSURE 5 PSF (NET) (I.C. 0.6L + 0.6 WL)... WIND - ELEMENTS AND COMPONENTS PER APPLICABLE BUILDING CODE... LIVE LOADS FIRST FLOOR MECHANICAL STAIRS ROOF 100 PSF UNREDUCEABLE... SNOW LOADS GROUND SNOW LOAD 5 PSF... NET ALLOWABLE SOIL BEARING PRESSURES DRILLED PIERS REFER TO DRILLED PIER SCHEDULE... MINIMUM FROST PROTECTION DEPTH FROM ADJACENT GRADE... SPECIFIED 28-DAY CONCRETE COMPRESSIVE STRENGTHS (FC) DRILLED PIERS 3000 PSI... FOUNDATION WALLS 4000 PSI... GRADE BEAMS 4000 PSI... MUD SLAB 300 PSI LEAN CONCRETE... SLABS ON GRADE 3000 PSI... CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL... PRECAST CONCRETE PRESTRESSING STEEL WIRE SHALL BE HIGH STRENGTH STEEL WIRES... STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS: WIDE FLANGE SECTIONS... OTHER ROLLED SECTIONS... SQUARE AND RECTANGULAR HSS... PIPE SECTIONS... CONNECTION MATERIAL... STIFFENER PLATES... ANCHOR BOLTS... HIGH STRENGTH BOLTS... WASHERS... HEADED WELDED STEEL STUDS... ELECTRODES FOR ARC WELDING... ROLLED SECTIONS, CONNECTION MATERIAL, STIFFENER PLATES... CONNECTION MATERIAL (3/16" THICK)... ANCHOR RODS... BOLTS... COATING - HOT DIPPED... ELECTRO - PLATE... ALUMINUM - ZINC... INSTALLATION... ELECTRODES FOR ARC WELDING... STEEL DECK AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS... GALVANIZED COMPOSITE FLOOR DECK... PAINTED STEEL ROOF DECK

GENERAL NOTES

- 1. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY... 2. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE... 3. DETAILS AND NOTES ON THE STRUCTURAL DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE... 4. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING... 5. DIMENSIONS, NOTES, AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS... 6. REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING: A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS... B. SIZE AND LOCATIONS OF ALL INTERIOR AND EXTERIOR MASONRY WALLS... C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS... D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS... E. FLOOR, WALL AND ROOF FINISHES... F. STAIR FRAMING AND DETAILS... G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS... H. FIRE PROTECTION REQUIREMENTS... 7. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING: A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS... B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS... C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES... D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES OR CURBS AND ANCHOR BOLTS FOR MOTOR MOUNTS... 8. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW OR RECORD SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE OF TEXAS... 9. ELEVATIONS ARE BASED ON THE FIRST FLOOR ELEVATION OF (+ 0'- 0").

FOUNDATIONS/SLAB-ON-GRADE

- 1. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, EDGES IN GRADE BEAMS, FOUNDATION WALLS AND PIERS... 2. FOUNDATION DESIGN BASED ON GEOTECHNICAL REPORTS BY SHANNON AND WILSON, INC. A. DATE FEBRUARY 28, 2014... B. ADDENDUM D DATED MARCH 13, 2014... C. ADDENDUM D DATED JULY 8, 2014... 3. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED... 4. UNLESS NOTED OTHERWISE, ALL FOOTINGS AND DRILLED PIERS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS... 5. DO NOT CUT CONTROL JOINTS IN PRECAST CONCRETE TOPPING OR CONCRETE SLAB ON STEEL DECK.

REINFORCING STEEL

- 1. FOR CAST-IN-PLACE CONCRETE THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT UNLESS NOTED OTHERWISE: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3 INCHES... CONCRETE EXPOSED TO EARTH OR WEATHER NO. 6 BARS OR LARGER 2 INCHES... NO. 8 BARS OR SMALLER 1 1/2 INCHES... SLABS, WALLS, JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH NO. 14 AND NO. 18 BARS NO. 34 INCHES... NO. 11 BARS OR SMALLER BEAMS AND COLUMNS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH 1 1/2 INCHES... 2. DIMENSIONS OF CONCRETE CURB FOR REINFORCEMENT INDICATED ON DRAWINGS ARE TO OUTERMOST REINFORCING BARS... 3. BAR SPICES: SPICE REINFORCING WHERE INDICATED ON THE DRAWINGS, ALL SPICES SHALL BE CLASS 'B' AS DEFINED IN ACI 318. IF SPICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTHS (IN INCHES) AS FOLLOWS:

Table with 5 columns: BAR SIZE, OTHER, TOP, OTHER, TOP. Rows for #3, #4, #5, #6, #7, #8, #9, #10, #11.

LAP LENGTHS ASSUME CLEAR SPACING BETWEEN BARS OF 2 BAR DIAMETERS, AND A MINIMUM COVER OF 1 BAR DIAMETER... AS HORIZONTAL BARS WITH MORE THAN 1'-0" OF FRESH CONCRETE BELOW.

PRESTRESSED/PRECAST CONCRETE

- 1. ALL TOPPING SLABS TO BE COMPOSITE WITH HOLLOW CORE SLABS, UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

- 1. REFER TO DRAWINGS FOR DETAIL OF DECK OPENINGS... 2. UNLESS NOTED OTHERWISE ALL BOLTS SHALL BE CONTINUOUS 1/4" FILLET WELDS... 3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC... 4. BOLTS IN SLOTTED HOLES SHALL BE LOCATED IN THE CENTER OF THE HOLE... 5. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY BRACED FRAMES WELDED BRACE CONNECTIONS... MATERIAL, ASTM DESIGNATION:

STEEL JOISTS

- 1. DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE (SJI) SPECIFICATION... 2. PROVIDE BRIDGING PER SJI SPECIFICATIONS... 3. ERECTOR SHALL FOLLOW MANUFACTURER'S AND STEEL JOIST INSTITUTES GUIDELINES FOR ERECTIONS STABILITY AND HANDLING... 4. ATTACH STEEL JOIST TO SUPPORT PER THE FOLLOWING SCHEDULE... DETAILS WITH WELD INFORMATION... DETAILS WITH BOLT INFORMATION... MINIMUM END BEARING

Table with 7 columns: JOIST SERIES, WELD SIZE, WELD LENGTH, DIAMETER, BOLT MATERIAL, STEEL, MASONRY. Rows for K and LH02-06.

STEEL DECK

- 1. DECK SIZE AND GAGE INDICATED IN THE DRAWINGS ARE BASED ON THE FOLLOWING: A. VULCRAFT 2008 CATALOG FOR GRAVITY DESIGN LOADS... B. STEEL DECK INSTITUTE (SDI) DIAPHRAGM DESIGN MANUAL... C. VULCRAFT 2008 CATALOG FOR UNSHORED CONSTRUCTION SPANS... 2. STEEL ROOF DECK GALVANIZING SHALL CONFORM TO ASTM A924 WITH A MINIMUM COATING OF G60... 3. COMPOSITE STEEL FLOOR DECK GALVANIZING SHALL CONFORM TO ASTM A924 WITH A MINIMUM COATING OF G60... 4. DECK SHALL BE FASTENED WITH 5/8" DIAMETER PUDDLE WELDS AT ALL SUPPORTS... 5. DO NOT EXCEED 25 LBS PER HANGER... 6. USE SUMP PANS AT ALL ROOF DRAINS... MINIMUM THICKNESS FOR SUMP PANS SHALL BE 14 GAGE.

LINTELS

- 1. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY CONSTRUCTION... 2. THE STRUCTURAL DOCUMENTS REFLECT THE BEST ATTEMPT TO IDENTIFY ALL WALL PENETRATIONS... 3. ALL LINTELS SHALL HAVE A MINIMUM OF 8" END BEARING... 4. ALL LINTELS IN EXTERIOR WALL CONSTRUCTION SHALL BE HOT-DIP GALVANIZED... 5. FOR ALL OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED, MINIMUM LINTELS SHALL BE FOR EACH 4 INCH OF MASONRY WIDTH: 0 TO 2'-0" SPAN 5/16" PLATE... 2'-0" TO 4'-0" SPAN L3 1/2x3 1/2x1/4... 4'-0" TO 7'-0" SPAN L4x3 1/2x5/16 (LLV)... 6'-0" TO 8'-0" SPAN L5x3 1/2x5/16 (LLV)...

STRUCTURAL COLD-FORMED STEEL FRAMING (CFSF)

- 1. MATERIAL, DESIGN AND MANUFACTURE SHALL BE IN ACCORDANCE WITH THE "STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS" OF THE AMERICAN IRON AND STEEL INSTITUTE CURRENT EDITION... 2. STRUCTURAL COLD FORM STEEL FRAMING IS DEFINED AS THE FOLLOWING: A. ANY COLD FORMED FRAMING THICKER THAN 20 GA (33 MIL)... B. ANY EXTERIOR COLD FORMED FRAMING... C. ALL OTHER FRAMING IS NON-STRUCTURAL... 3. STRUCTURAL CFSF IS PERFORMANCE SPECIFIED... 4. STUDS, HEADERS, AND OTHER ELEMENTS ARE SIZED BASED ON SSMA AND ELEMENTS OF EQUAL OR GREATER CAPACITY... 5. CONSTRUCTION SHALL NOT BEGIN UNTIL SHOP DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD AND THE ARCHITECT.

EXISTING STRUCTURAL INFORMATION

- 1. EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM EXISTING DRAWINGS DATED: A. 1948 BY FINGER & RUSTAY AND R.G. SCHNEIDER... 2. ADDITIONAL EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM FIELD TAKE-OFF BY KJWW... 3. POST INSTALLED EXPANSION ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS... ACCEPTABLE ALTERNATE ANCHORS MAY BE SUPPLIED PROVIDED THAT THE QUANTITY AND CONFIGURATION MATCHES THE CAPACITY OF THE DESIGN ANCHOR QUANTITY AND CONFIGURATION... ANCHORED INTO: BASIS OF DESIGN ACCEPTABLE ALTERNATES AT CONTRACTOR'S OPTION

Table with 3 columns: ANCHORED INTO, BASIS OF DESIGN, ACCEPTABLE ALTERNATES AT CONTRACTOR'S OPTION. Rows for Hollow CMU, Grouted CMU, Uncracked Concrete, Cracked Concrete.

ANCHORED INTO: BASIS OF DESIGN ACCEPTABLE ALTERNATES AT CONTRACTOR'S OPTION

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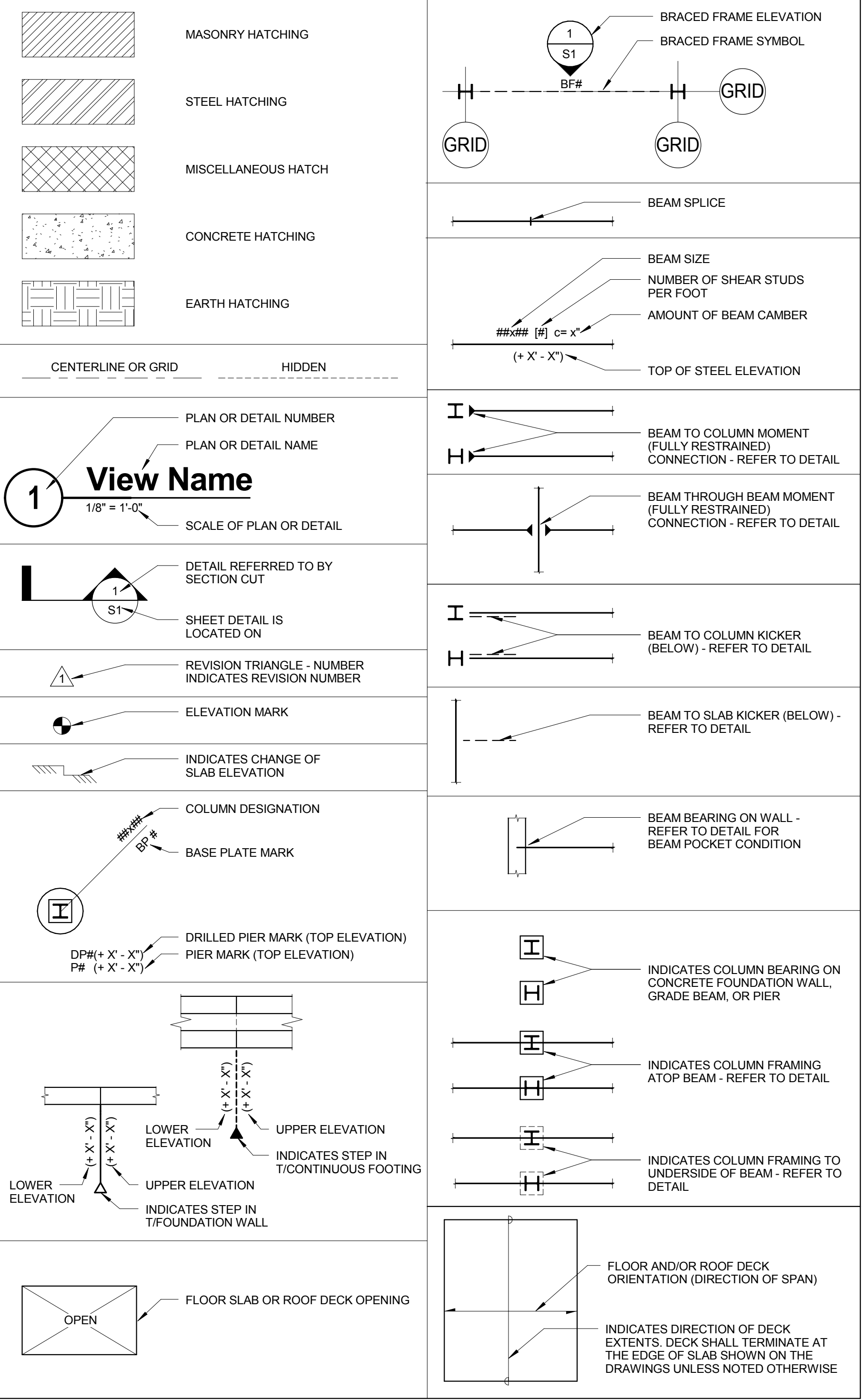
GEOWAOM

- 1. GEOWAOM INDICATED ON DRAWING IS INTENDED TO BE "R-CONTROL EP22 GEOWAOM" BY AFM CORPORATION... 2. AT CONTRACTORS OPTION, HIGH DENSITY RIGID INSULATION MAY BE USED IN PLACE OF GEOWAOM... 3. INSTALL PRODUCT PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.

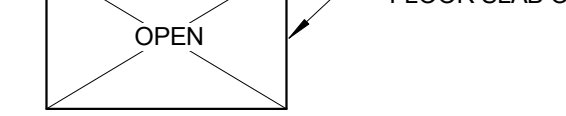
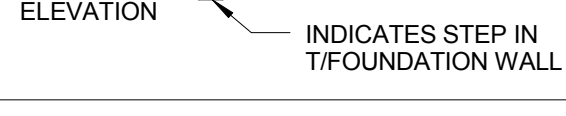
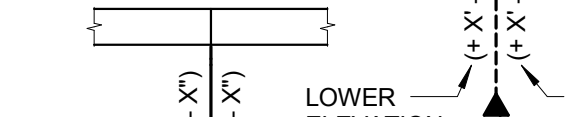
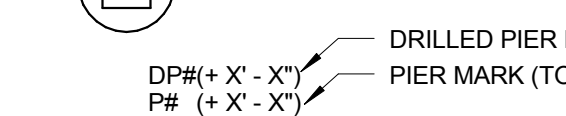
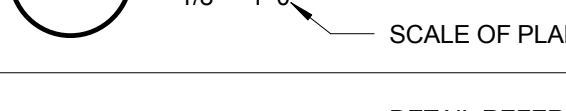
STRUCTURAL ABBREVIATIONS LIST

Table with 2 columns: SYMBOL, DESCRIPTION. Lists various structural symbols and their corresponding descriptions.

STRUCTURAL DRAWING SYMBOLS



View Name



SNOW DRIFT PLAN

1" = 20'-0" NORTH

- 1. SNOW DRIFT IS IN ADDITION TO FLAT ROOF SNOW LOAD.

Table with 2 columns: SNOW DRIFT KEYPLAN, NOTES. Lists snow drift types and their corresponding PSF values.

Table with 2 columns: REVISED FOR BIDDING, DATE. Lists revisions for bidding.

CONSULTANTS: HEALTHCARE PLANNERS: VOA ARCHITECTS MEPPP + TECH + STRUCT: KJWW CONSULTING ENGINEERS CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

ARCHITECT: MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC. 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title: STRUCTURAL GENERAL NOTES Approved: Project Director

Project Title: RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER Location: BONHAM, TEXAS Date: APRIL 13, 2015 Checked: TODBAR Drawn: CAD

Project Number: 549-130 Building Number: 1 Drawing Number: SS000 Dwg. 46 of 142 Office of Facilities Management Department of Veterans Affairs



FOUNDATION PLAN

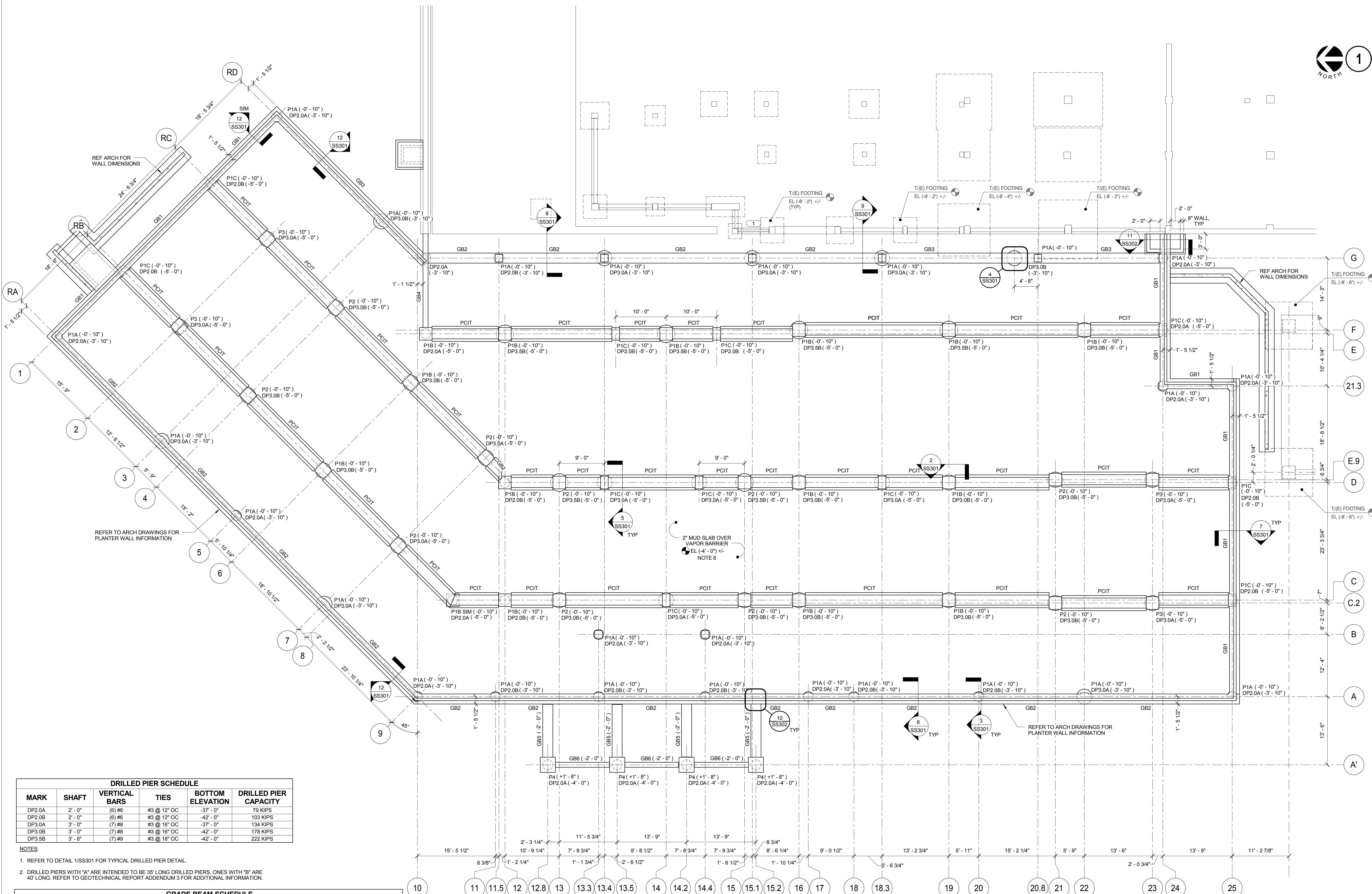
1/8" = 1'-0"

NOTES:

- DP# INDICATES DRILLED PIER. REFER TO SCHEDULE ON SS100.
- GB# INDICATES GRADE BEAM. REFER TO SCHEDULE ON SS100. REFER TO DETAIL 13/SS301 FOR GRADE BEAM ELEVATION.
- P# INDICATES CONCRETE PIER. REFER TO SHEET SS302 FOR ADDITIONAL INFORMATION.
- PCIT INDICATES PRECAST INVERTED TEE. ELEVATIONS OF CONCRETE SUPPORTS BASED ON 36" PRECAST DEPTH WITH TOP OF PRECAST AT -0'-4". IF PRECAST SIZES ARE DIFFERENT, COORDINATE ELEVATIONS WITH CONCRETE CONTRACTOR.
- REFER TO DETAIL 9/SS302 FOR FOUNDATION REQUIREMENTS AT SITE UTILITIES.
- ALONG EXTERIOR GRADE BEAM, SLOPE MUD SLAB UP, SO SLAB IS AT -3'-0".

KEYNOTES:

- INFILL EXISTING DOOR WITH 6" CONCRETE WALL WITH #4 @ 12" OC EACH WAY. DOWEL BARS INTO EXISTING WALL EMBED 5" WITH EPOXY ANCHOR. PROVIDE WATERSTOP AROUND JOINT. COORDINATE PART OF WALL TO REMAIN OPEN WITH MECHANICAL.



DRILLED PIER SCHEDULE					
MARK	SHAFT	VERTICAL BARS	TIES	BOTTOM ELEVATION	DRILLED PIER CAPACITY
DP2.0A	2'-0"	(6) #6	#3 @ 12" OC	-37'-0"	79 KIPS
DP2.0B	2'-0"	(6) #6	#3 @ 12" OC	-42'-0"	103 KIPS
DP3.0A	3'-0"	(7) #8	#3 @ 16" OC	-37'-0"	134 KIPS
DP3.0B	3'-0"	(7) #8	#3 @ 16" OC	-42'-0"	178 KIPS
DP3.5B	3'-6"	(7) #9	#3 @ 18" OC	-42'-0"	222 KIPS

NOTES:
 1. REFER TO DETAIL 1/SS301 FOR TYPICAL DRILLED PIER DETAIL.
 2. DRILLED PIERS WITH "A" ARE INTENDED TO BE 36" LONG DRILLED PIERS, ONES WITH "B" ARE 40" LONG. REFER TO GEOTECHNICAL REPORT ADDENDUM 3 FOR ADDITIONAL INFORMATION.

GRADE BEAM SCHEDULE						
MARK	WIDTH	BOTTOM BARS	TOP BARS	SIDE BARS	STIRRUPS	REMARKS
GB1	16"	(3) #6	(3) #6	#4 @ 12" OC EACH FACE	#4 @ 12" OC	-
GB2	16"	(3) #9	(3) #9	#4 @ 12" OC EACH FACE	#4 @ 12" OC	-
GB3	16"	(3) #9	(4) #9	#4 @ 12" OC EACH FACE	#4 @ 12" OC	-
GB4	12"	(3) #6	(3) #6	#4 @ 12" OC EACH FACE	#4 @ 12" OC	-
GB5	24"	(4) #6	(4) #6	#4 @ 12" OC EACH FACE	#4 @ 10" OC	-
GB6	12"	(2) #6	(2) #6	#4 @ 12" OC EACH FACE	#4 @ 10" OC	-

NOTES:
 1. REFER TO DETAIL 13/SS301 FOR GRADE BEAM ELEVATION.

REVISED FOR BIDDING	10/27/15

CONSULTANTS:
HEALTHCARE PLANNERS: VOA ARCHITECTS
MEFPF + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
FOUNDATION PLAN - AMBULATORY CARE
 Approved: Project Director

Project Title
RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER

Location
BONHAM, TEXAS

Date
APRIL 13, 2015

Checked
TODBAR

Drawn
CAD

Project Number
549-130

Building Number
1

Drawing Number
SS100

Dwg. 47 of 142

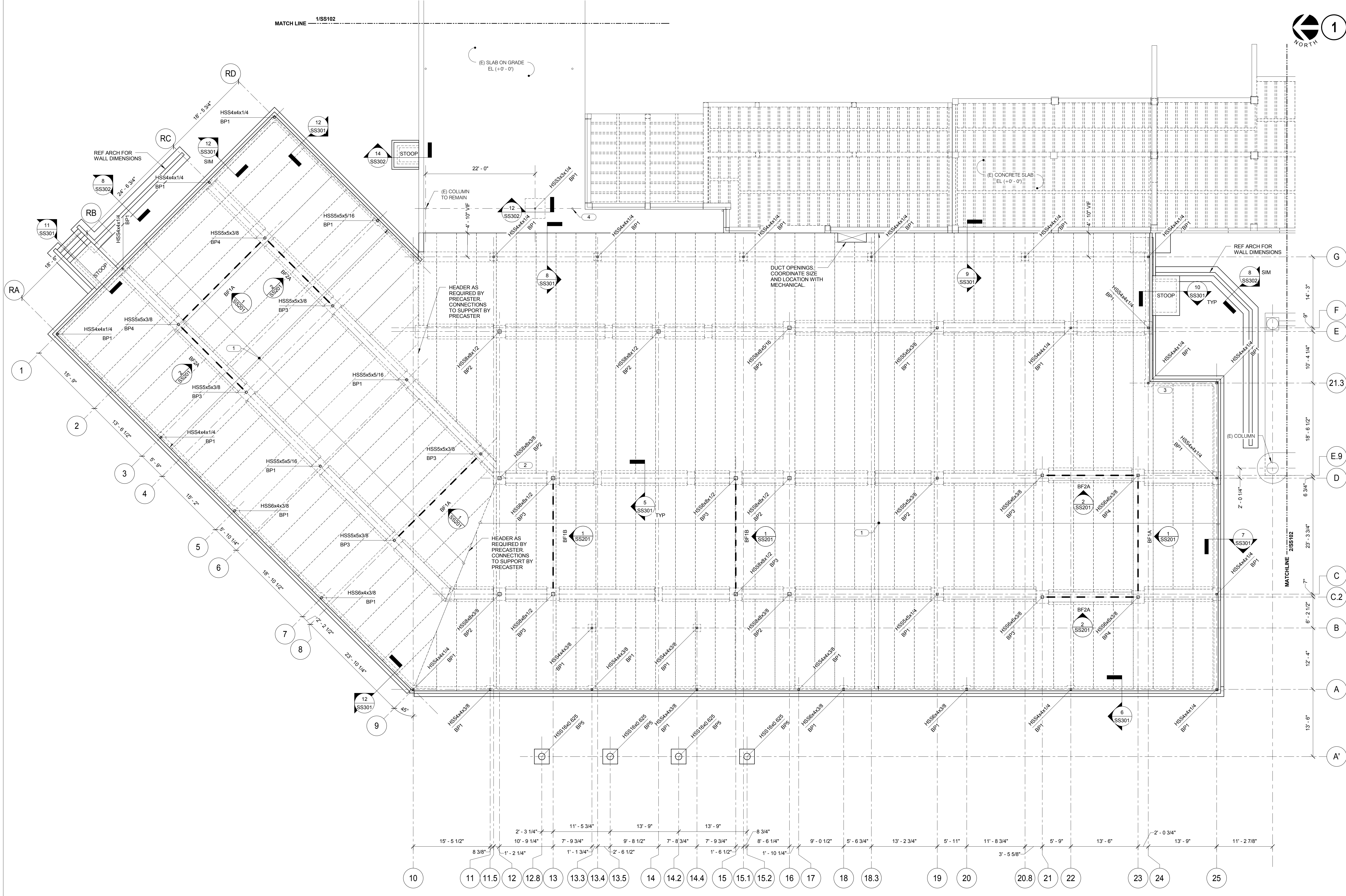
Office of Facilities Management



100% ISSUED FOR CONSTRUCTION

1 FIRST FLOOR FRAMING PLAN

- 1/8" = 1'-0"
NOTES:
1. BPH INDICATES BASE PLATE. REFER TO DETAIL 2/SS502 FOR ADDITIONAL INFORMATION.
 2. REFER TO DETAIL 8/SS503 FOR PATCHING OF SMALL ABANDONED HOLES LEFT FROM MEP DEMOLITION.
- KEYNOTES:**
1. 8" HOLLOW CORE SLAB WITH 2" TOPPING REINFORCED FIBER MESH (2 LBS PER CUBIC YARD), TOPPING EL (+0'-01") NOTCH AROUND COLUMNS AND BASE PLATES AS REQUIRED. LAYOUT SHOWN IS SCHEMATIC.
- DESIGN LOADS:**
1. SELF WEIGHT: BY PRECAST MANUFACTURER. FOUNDATION DESIGN BASED ON 25 PSF TOPPING AND 63 PSF FLANK.
 2. SUPERIMPOSED DEAD LOAD: 12 PSF
 3. LIVE LOAD: 100 PSF
2. PLUMBING CHASE ABOVE BEAM. COORDINATE NOTCHES AND SLEEVES IN BEAM AND PRECAST WITH MECHANICAL.
 3. PLUMBING CHASE ABOVE BEAM. COORDINATE SLEEVES IN GRADE BEAM AND NOTCHES IN PRECAST WITH MECHANICAL.
 4. (E) COLUMN TO BE DEMOLISHED. CUT BELOW EXISTING SLAB AND PATCH SLAB TO MATCH EXISTING SLAB ELEVATION. ADJACENT NEW COLUMN TO BE INSTALLED PRIOR TO DEMOLISHING.



REVISED FOR BIDDING	10/27/15
Revisions:	Date

CONSULTANTS:

HEALTHCARE PLANNERS: VOA ARCHITECTS
MEPPP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
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Drawing Title
**FIRST FLOOR FRAMING PLAN -
 AMBULATORY CARE**

Approved: Project Director

Project Title **RENOVATE AND EXPAND
 AMBULATORY CARE AND LAB.
 SAM RAYBURN MEMORIAL
 VETERANS CENTER**

Location
BONHAM, TEXAS

Date
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Checked
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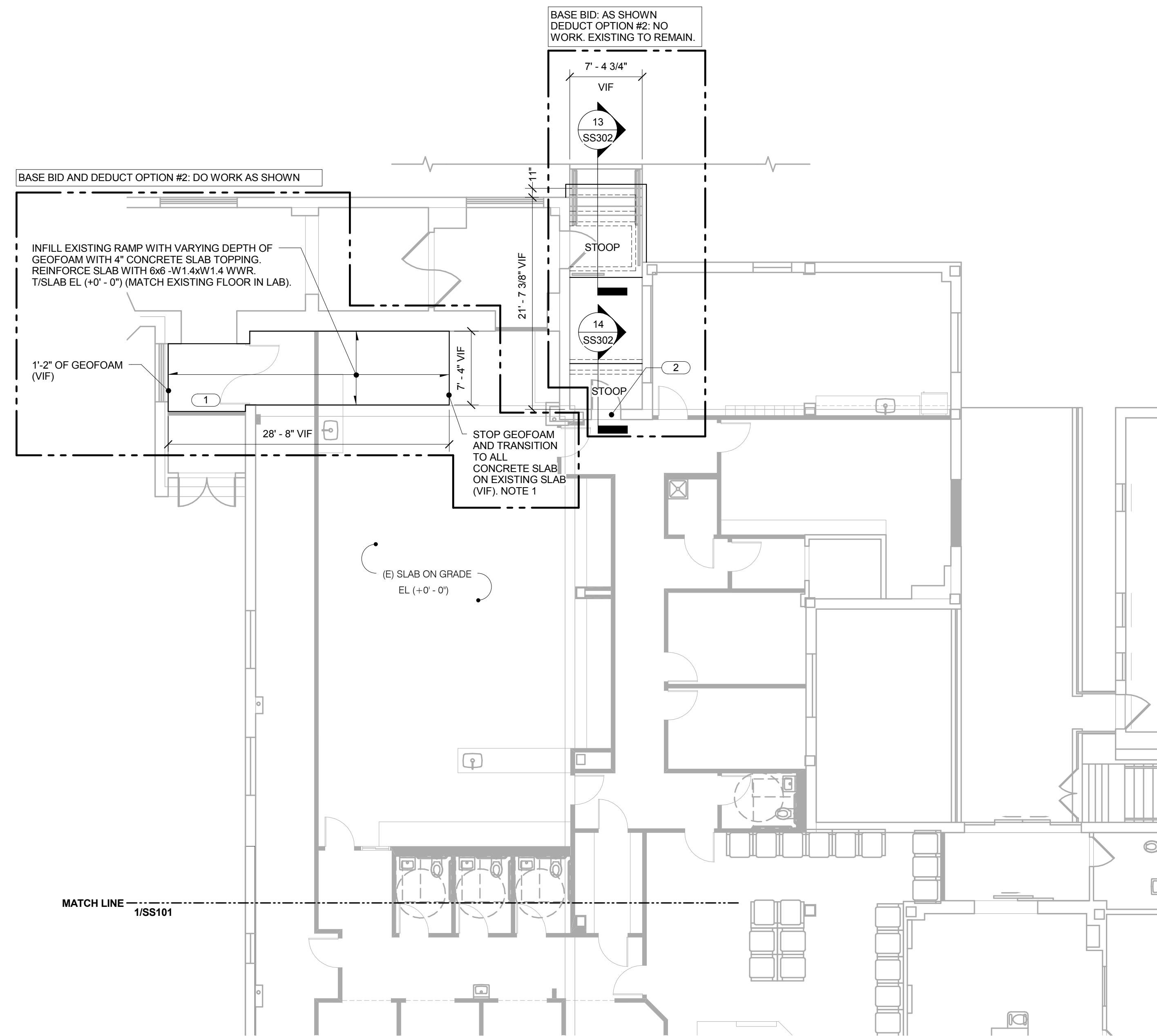
Building Number
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Drawing Number
SS101

Dwg. 48 of 142

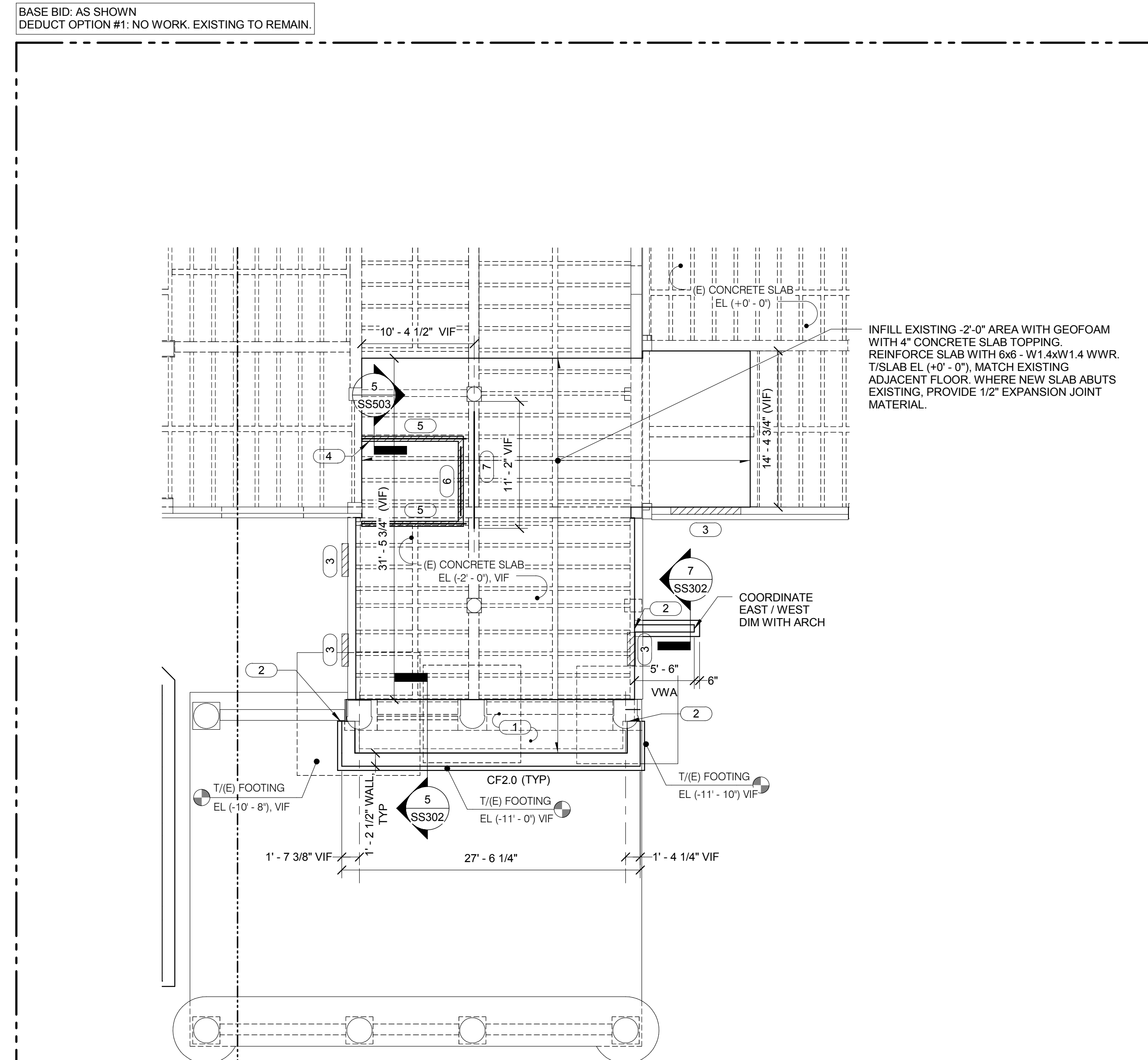
**Office of
 Facilities
 Management**

Department of
 Veterans Affairs



1 LABORATORY FLOOR PLAN
1/8" = 1'-0"

- NOTES:**
- ROUGHEN UP EXISTING CONCRETE AND GRIND DOWN SO A MINIMUM THICKNESS OF 1/2" OF NEW SLAB IS CAST AT SOUTH END.
- KEYNOTES:**
- INFILL EXISTING WALL OPENING. REFER TO DETAIL 6/SS302. COORDINATE SIZE AND LOCATIONS WITH ARCH DRAWINGS. ABOVE CONCRETE WALL - PROVIDE CFSF WALL. REF ARCH AND 08-40-00.
 - FRAME NEW DOOR OPENING WITH CFSF STUDS. MATCH EXISTING STUD THICKNESS. REF 05-40-00 FOR CFSF DESIGN. PROVIDE LOOSE LINTEL PER GENERAL NOTES FOR MASONRY.



2 SECURITY FLOOR PLAN
1/8" = 1'-0"

- NOTES:**
- REFER TO 1/SS501 FOR TYPICAL SHEAR CONNECTION.
 - W8 BEAMS TO BE CENTERED UNDER NEW CMU WALLS. COORDINATE LOCATIONS WITH ARCH DRAWINGS.
 - CF2.0 INDICATES 2'-0" WIDE x 1'-0" THICK CONTINUOUS FOOTING WITH (2) #6 CONT. STEP FOOTING AS REQUIRED TO MATCH EXISTING FOOTING ELEVATIONS. PROVIDE 2 BARS THAT MATCH EXISTING REINFORCEMENT SIZE AND QUANTITY. LAP WITH CONTINUOUS FOOTING BARS WITH 2'-0" LAP.
- KEYNOTES:**
- 4" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W1.4W1.4 WWR. T/S LAB EL (-2'-0") VIF. MATCH EXISTING SLAB.
 - DOWEL FOOTING AND FOUNDATION WALL REINFORCEMENT INTO EXISTING FOOTING / WALL. EMBED 4" WITH EPOXY ANCHOR.
 - INFILL EXISTING OPENING. REFER TO DETAIL 6/SS302. COORDINATE SIZE AND LOCATIONS WITH ARCH DRAWINGS.
 - 6" CMU WALL REINFORCED WITH #4 @ 48" OC AND (1) #4 ON EACH SIDE OF OPENINGS. REFER TO ARCH DRAWINGS FOR LOCATION. GROUT SOLID WHERE REQUIRED ON ARCH DRAWINGS. PROVIDE 8" DEEP BOND BEAM WITH (1) #5 OVER OPENINGS. BRACE TOP OF WALL PER DETAIL 7/SS505.
 - W8x24. CONNECT NORTH END PER DETAIL 6/SS503 AND SOUTH END PER TYPICAL SHEAR CONNECTION.
 - W8x24. CONNECT ENDS PER TYPICAL SHEAR CONNECTION.
 - W8x24. CONNECT EAST END PER DETAIL 6/SS503. NO CONNECTION TO EXISTING REQUIRED ON WEST END BEARING ONLY.

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Revisions:	Date

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CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
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Drawing Title
FIRST FLOOR FRAMING PLAN - LABORATORY AND SECURITY

Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**

Project Number **549-130**

Building Number **1**

Drawing Number **SS102**

Date **APRIL 13, 2015**

Checked **TODBAR**

Drawn **CAD**

Dwg. 49 of 142

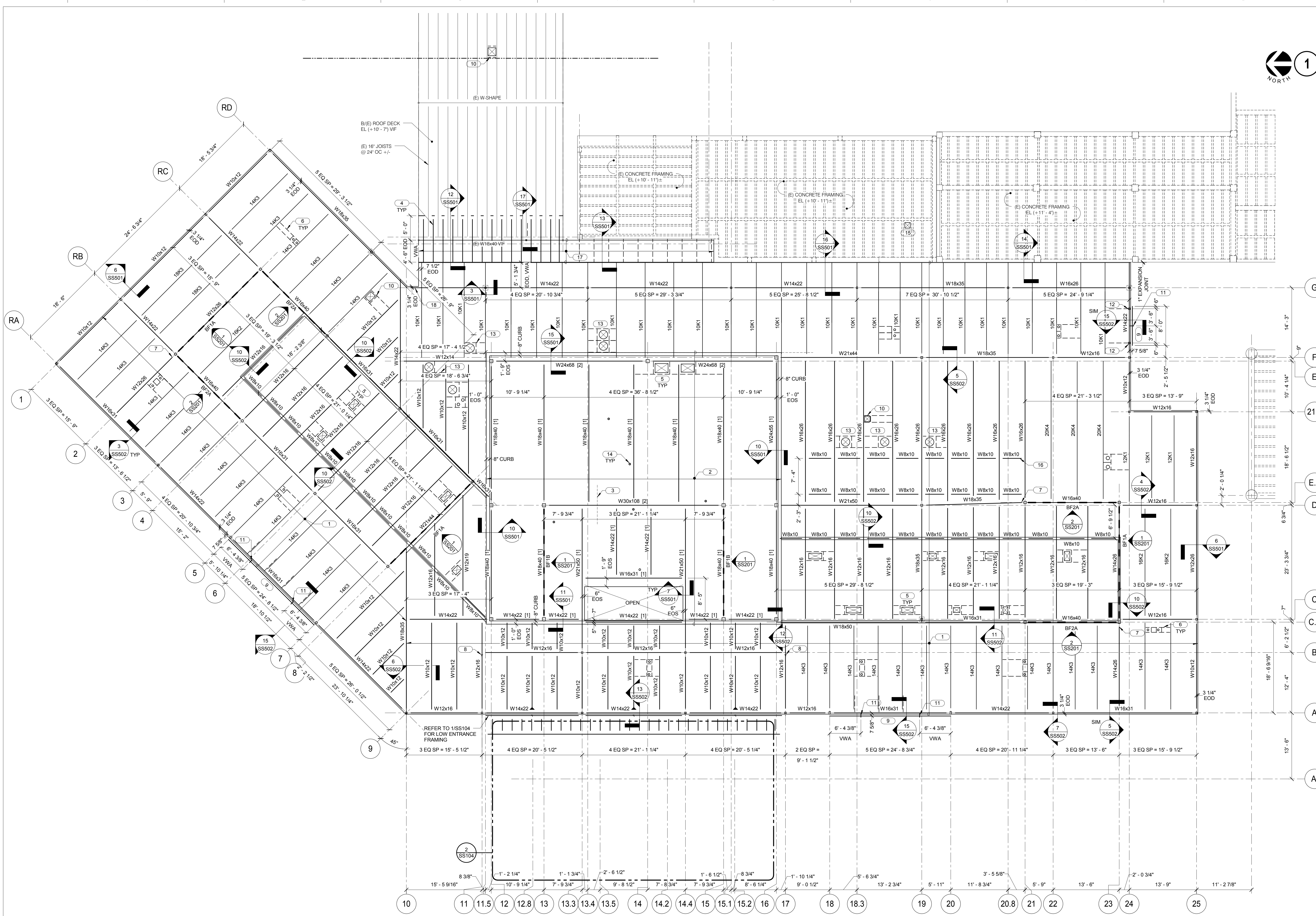
Office of Facilities Management

Department of Veterans Affairs



1 LOW ROOF FRAMING

- 1/8" = 1'-0"
- NOTES:
- REFER TO DETAIL 1 AND 2/SS501 FOR TYPICAL SHEAR CONNECTION.
 - UPLIFT BRIDGING NOT SHOWN. SIZE AND SPACING BY JOIST MANUFACTURER.
 - REFER TO DETAIL 8/SS503 FOR PATCHING OF SMALL ABANDONED HOLES LEFT FROM MEP DEMOLITION IN CONCRETE PAN JOIST FRAMING. PROVIDE 12 GA SHEET STEEL OVER OPENINGS IN EXISTING STEEL ROOF DECK (MAX 12" x 12" OPENING). ATTACH WITH #10 TEK SCREWS AT 6" OC AROUND PERIMETER. COORDINATE SIZE, QUANTITY, AND LOCATIONS WITH MEP CONTRACTORS.
 - PROVIDE JOIST WEB ANGLES PER DETAIL 9/SS502. COORDINATE QUANTITY AND LOCATIONS WITH MEP CONTRACTORS.
- KEYNOTES:
- 1 1/2" (22 GA) TYPE B STEEL ROOF DECK, BDECK EL (+15' - 8"). ATTACH DECK WITH 365 (2) PATTERN. REFER GENERAL NOTES FOR ADDITIONAL INFORMATION.
 - 3" NORMAL WEIGHT CONCRETE ON 3" (18 GA) COMPOSITE STEEL DECK (8" TOTAL THICKNESS). SLAB EL (+16' - 2"). REINFORCED WITH #6-W1.4M/1.4 WWR. #I INDICATES 3/4" x 1/2" LONG HWS. REFER TO 9/SS501 FOR ADDITIONAL INFORMATION.
 - SLAB REINFORCEMENT OVER GIRDER. REFER TO 8/SS501 FOR ADDITIONAL INFORMATION.
 - HSS4x2 1/2x1/4 (LSH) AT 2'-0" OC. CENTER BETWEEN EXISTING JOISTS.
 - DUCT OPENING. PROVIDE FRAMING AROUND OPENING PER DETAIL 8/SS502. COORDINATE SIZE, QUANTITY AND LOCATION WITH MECHANICAL. WHEN OPENING IS IN CONCRETE FLOOR SLAB, PROVIDE 18 GA POUR STOP AROUND OPENING (1" MAX OVERHANG) WELDED TO SUPPORT ANGLES (1" @ 12" OC).
 - ROOF DRAIN. PROVIDE FRAMING AROUND OPENING PER DETAIL 8/SS502. COORDINATE SIZE, QUANTITY AND LOCATION WITH MECHANICAL AND ARCHITECTURAL.
 - USE TC BOLTS IN SHEAR CONNECTION AT THIS LOCATION.
 - HANGER CONNECTION PER 14/SS502
 - HSS6x3/8 (+10' - 7").
 - EXHAUST FAN. PROVIDE FRAMING UNDER CURB / OPENING PER DETAIL 8/SS502. COORDINATE SIZE, QUANTITY AND LOCATION WITH MECHANICAL.
 - HSS4x4 SUNSCREEN SUPPORT PER 15/SS502
 - HSS4x4/14 HANGER TO SUNSCREEN. CONNECT TO BEAM WITH 3/16" ALL AROUND FILLET WELD. SUPPORT HSS6x6 PER DETAIL 15/SS502
 - LIGHT TUBE OPENING. PROVIDE FRAMING AROUND OPENING PER DETAIL 8/SS502. COORDINATE SIZE, QUANTITY AND LOCATION WITH ARCH.
 - FLOOR DRAIN - COORDINATE SIZE, QUANTITY AND LOCATIONS WITH PLUMBING DRAWINGS. NO DECK REINFORCEMENT NEEDED IF OPENING IS SMALLER THAN 6" Ø HOLE. IF LARGER THAN 6" IN DIAMETER, PROVIDE ANGLE FRAMING PER DETAIL 8/SS502.
 - EXHAUST FAN IN EXISTING PAN JOIST ROOF. DO NOT CUT JOIST.
 - W8 BEAMS IN THIS AREA ARE FOR MECHANICAL CHILLER SUPPORT. CONTRACTOR TO VERIFY LOCATION OF THE W8 BEAMS TO ALIGN UNDER CHILLER RAILS.
 - 1 1/2" (22 GA) TYPE B STEEL ROOF DECK, BDECK EL (+10' - 7") VIF. ATTACH DECK WITH 364 (1) PATTERN. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
 - PROVIDE HSS 1 1/2x2 1/2x3/16 WELDED TO TOP FLANGE OF BEAMS FOR DECK SUPPORT. WELD 2" AT 12" OC, BOTH SIDES.



Revisions:	Date:
REVISED FOR BIDDING	10/27/15

CONSULTANTS:
HEALTHCARE PLANNERS: VOA ARCHITECTS
MEPPP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

ARCHITECT:

MICHAEL ROTH & ASSOCIATES,
ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
 LOW ROOF FRAMING PLAN -
 AMBULATORY CARE

Approved: Project Director

Project Title RENOVATE AND EXPAND
 AMBULATORY CARE AND LAB.
 SAM RAYBURN MEMORIAL
 VETERANS CENTER

Project Number
 549-130

Building Number
 1

Location
 BONHAM, TEXAS

Date
 APRIL 13, 2015


Checked
 TODBAR

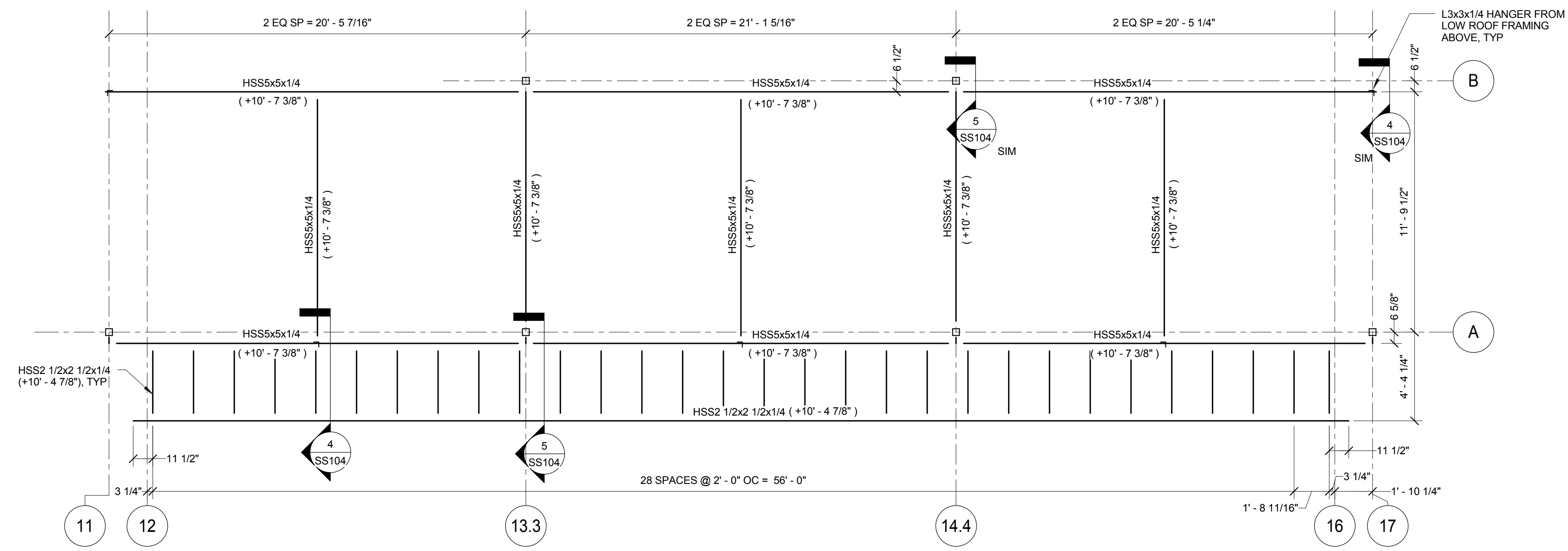
Drawn
 CAD

Drawing Number
 SS103

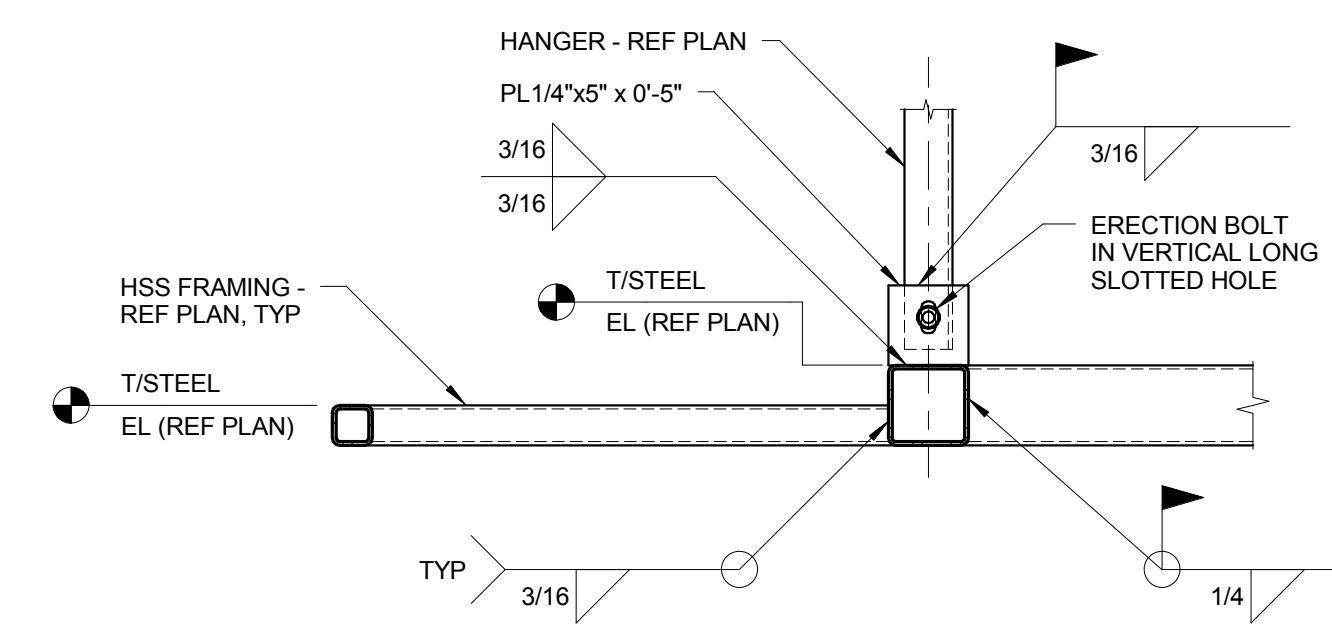
Dwg. 50 of 142

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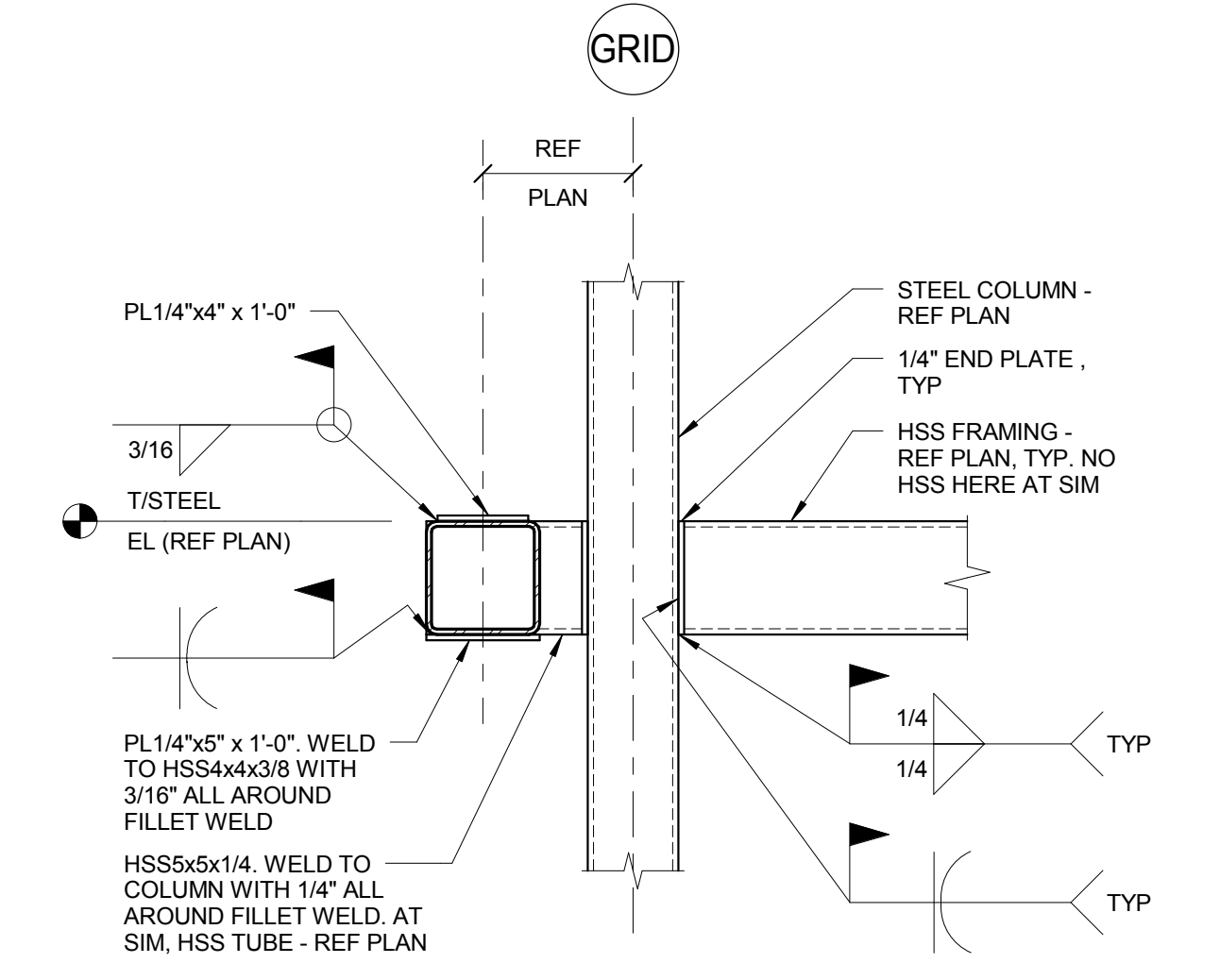
 Department of Veterans Affairs



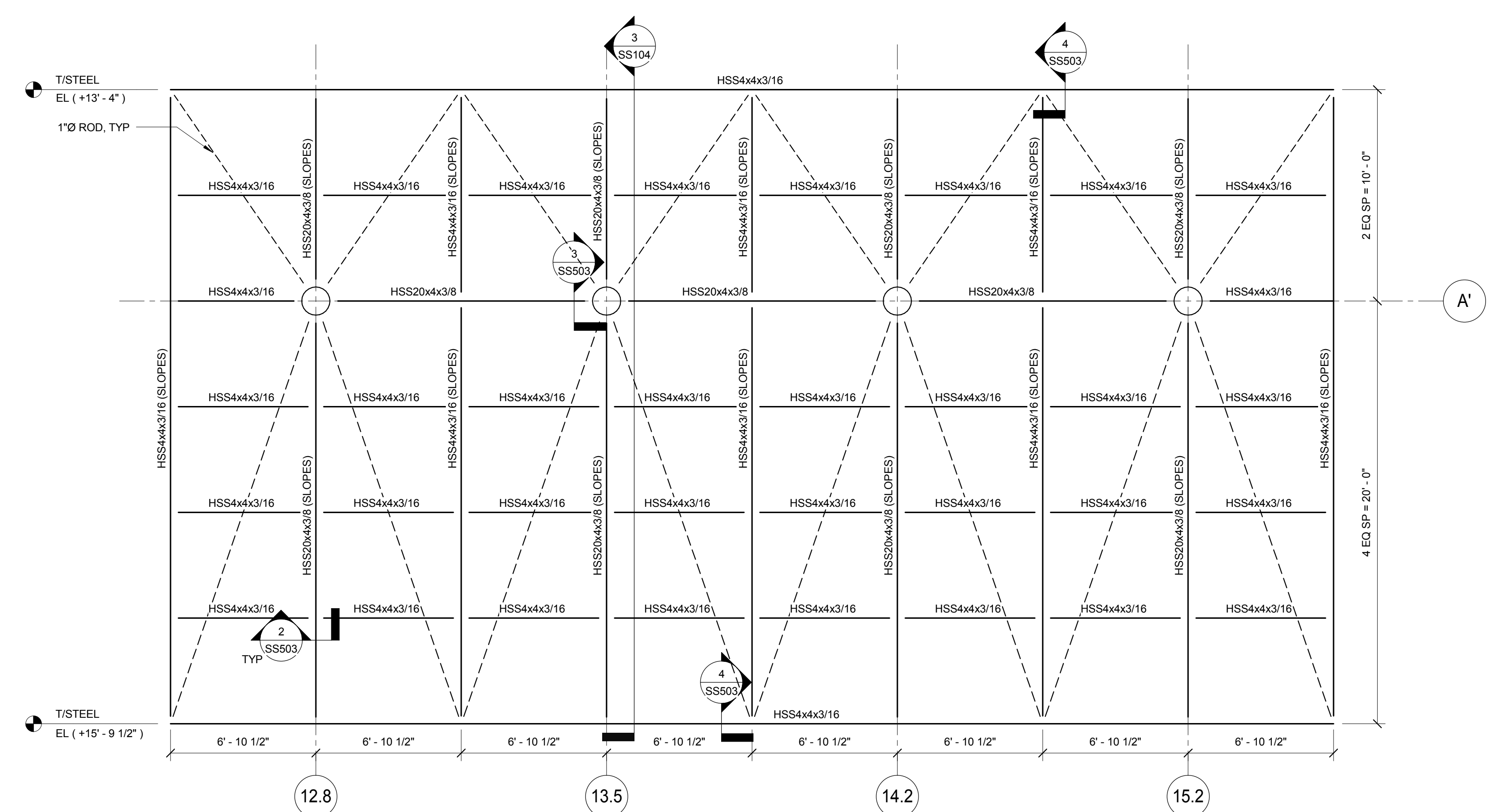
1 ENLARGED ENTRANCE FRAMING PLAN
 1/4" = 1'-0"



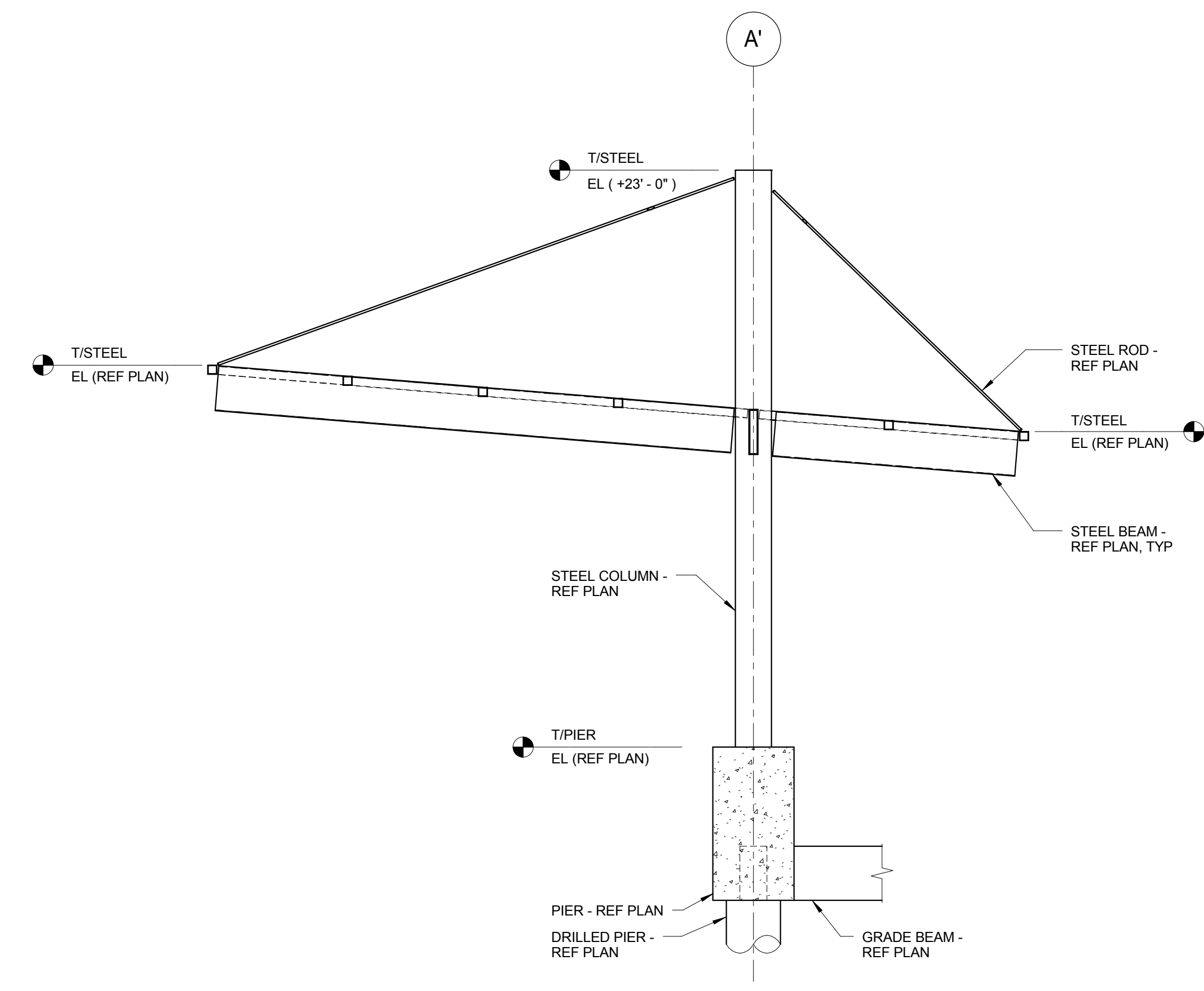
4 FRAMING DETAIL
 1" = 1'-0"
 NOTES:
 1. AT SIM. DETAIL REFERENCE IS FOR HANGER CONNECTION TO HSS.



5 FRAMING DETAIL
 1 1/2" = 1'-0"
 NOTES:
 1. 2 1/2" TUBE FRAMING NOT SHOWN FOR CLARITY. REFER TO ASS104 FOR INFORMATION.



2 CANOPY FRAMING PLAN
 1/4" = 1'-0"



3 CANOPY SECTION
 1/4" = 1'-0"

REVISED FOR BIDDING	10/27/15
Revisions:	Date


CONSULTANTS:
HEALTHCARE PLANNERS: VOA ARCHITECTS
MEPPP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

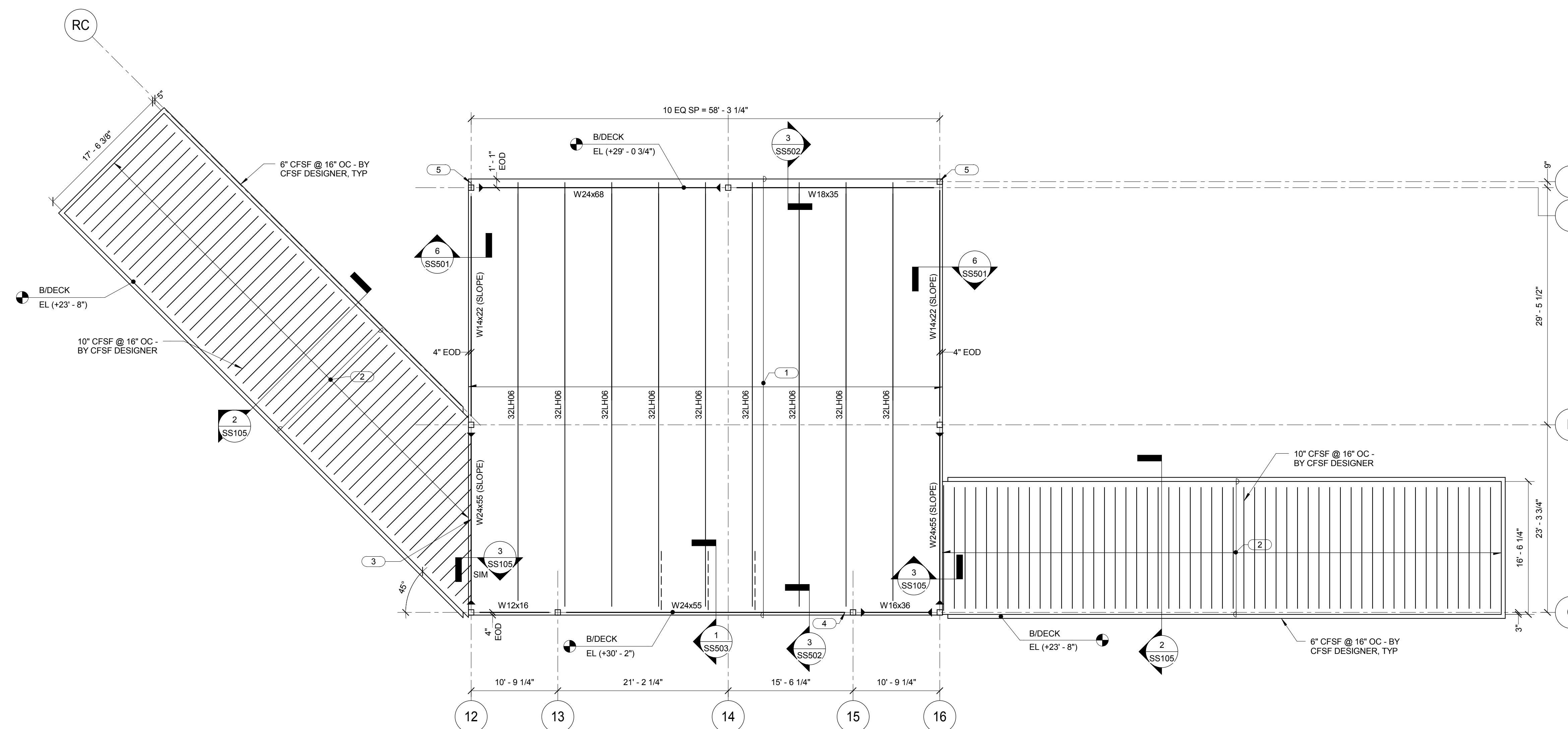
ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
ENLARGED FRAMING PLANS - AMBULATORY CARE
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number **549-130**
 Building Number **1**
 Drawing Number **SS104**
 Date **APRIL 13, 2015**
 Checked **TODBAR**
 Drawn **CAD**
 Dwg. 51 of 142

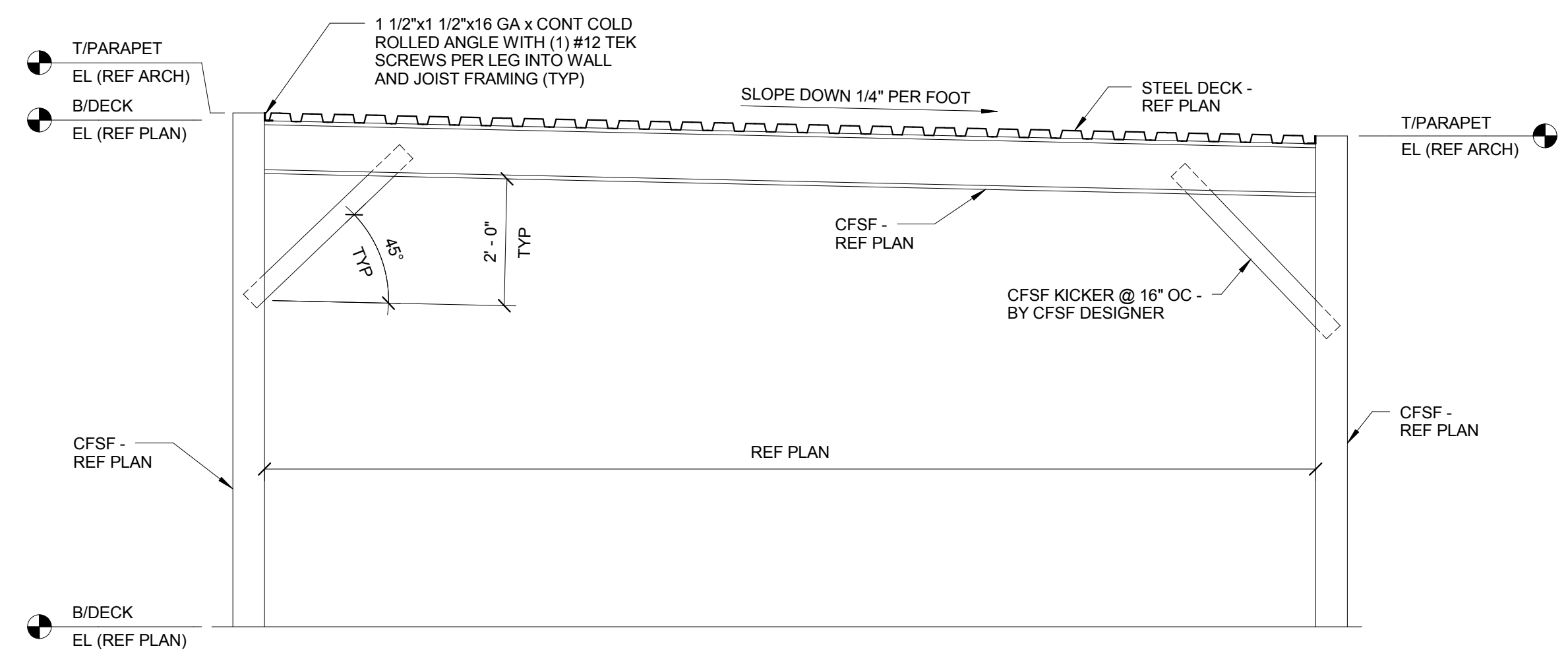
Office of Facilities Management




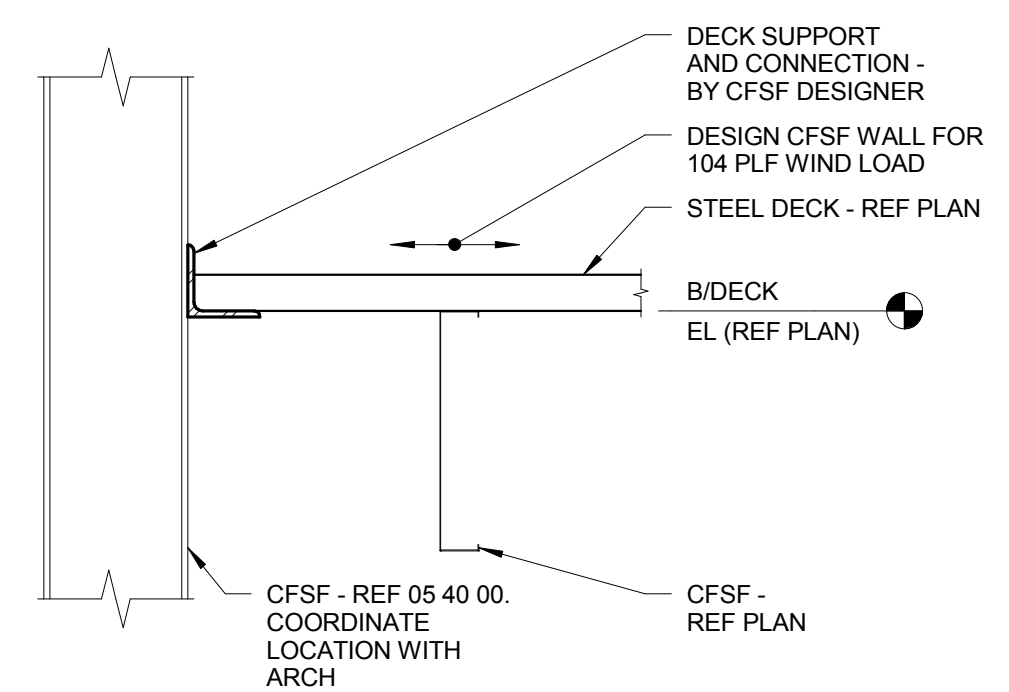
1 UPPER ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"

- NOTES:**
- REFER TO DETAIL 1/SS501 FOR TYPICAL SHEAR CONNECTION.
 - UPLIFT BRIDGING NOT SHOWN. SIZE AND SPACING BY JOIST MANUFACTURER.
 - INDICATES MOMENT CONNECTION - REFER TO DETAIL 6/SS501.
- KEYNOTES:**
- 1 1/2" (22 GA) TYPE B STEEL ROOF DECK. ATTACH DECK WITH 3/8" (1) PATTERN. REFER GENERAL NOTES FOR ADDITIONAL INFORMATION.
 - 1 1/2" (22 GA) TYPE B STEEL ROOF DECK. ATTACH TO CFSF JOISTS WITH #12 TEK SCREWS IN 3/8"(3) PATTERN.
 - SUPPORT CFSF ROOF JOISTS ON 6" CFSF WALL STUD - DESIGN BY CFSF DESIGNER.
 - USE TC BOLTS IN SHEAR CONNECTION AT THIS LOCATION.
 - C5x6.7 DECK SUPPORT WELDED TO COLUMN CAP PLATE WITH 3/16" FILLET WELD, BOTH SIDES.

CFSF JOIST DESIGN LOADS	
SELF WEIGHT DEAD LOAD	BY CFSF DESIGNER
SUPERIMPOSED DEAD LOAD	25 PSF
SNOW LOAD	PER S5000
SNOW DRIFT	PER 1/SS000
ROOF LIVE LOAD	PER S5000
WIND LOAD	COMPONENTS AND CLADDING PER ASCE 7-10



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



3 FRAMING DETAIL
1 1/2" = 1'-0"

REVISED FOR BIDDING	10/27/15
Revisions:	Date

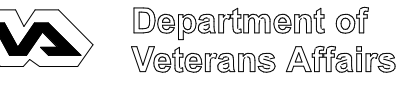
CONSULTANTS:
HEALTHCARE PLANNERS: VOA ARCHITECTS
MEFPF + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

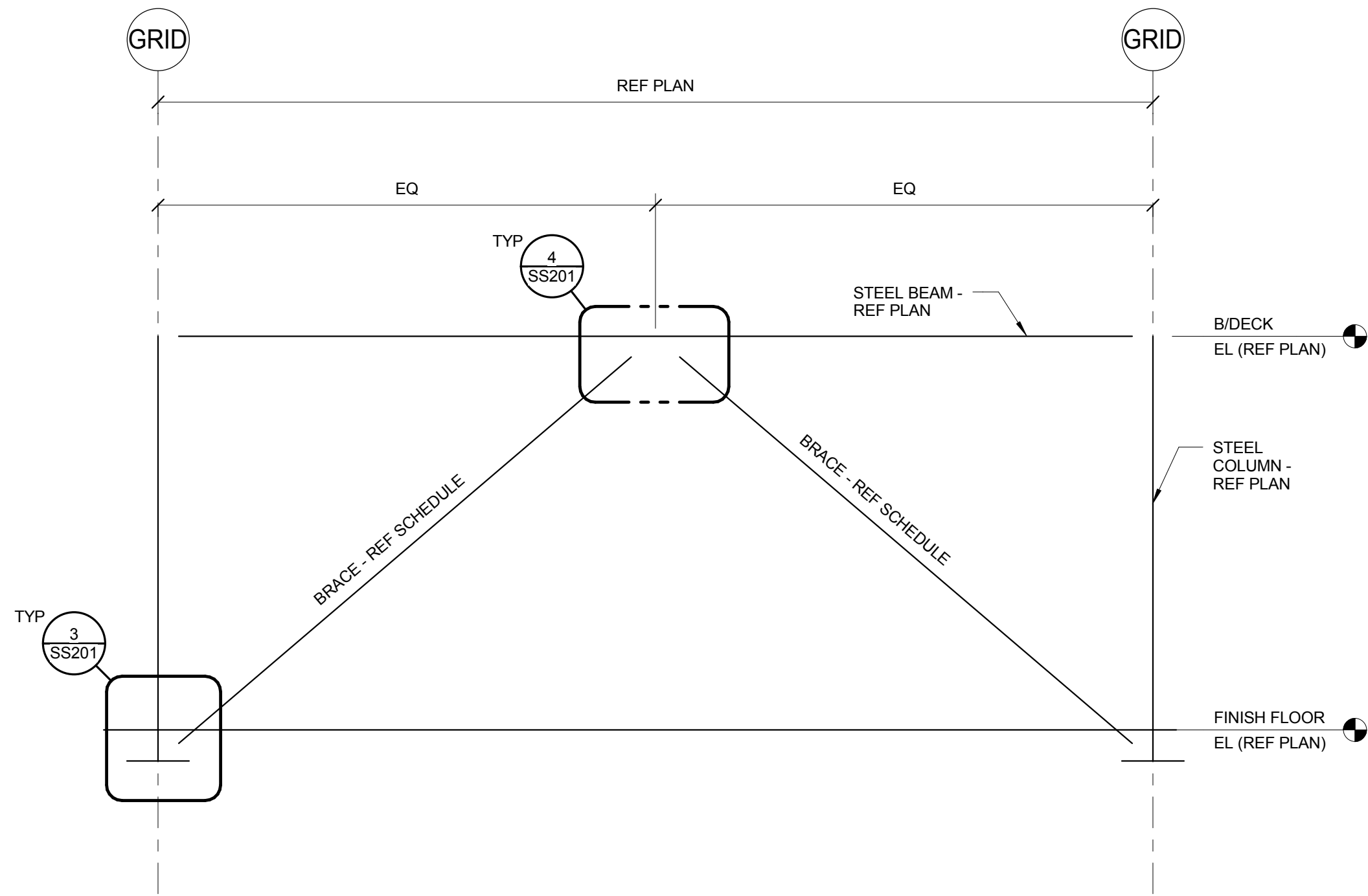
ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
UPPER ROOF FRAMING PLAN - AMBULATORY CARE
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number **549-130**
 Building Number **1**
 Drawing Number **SS105**
 Dwg. 52 of 142

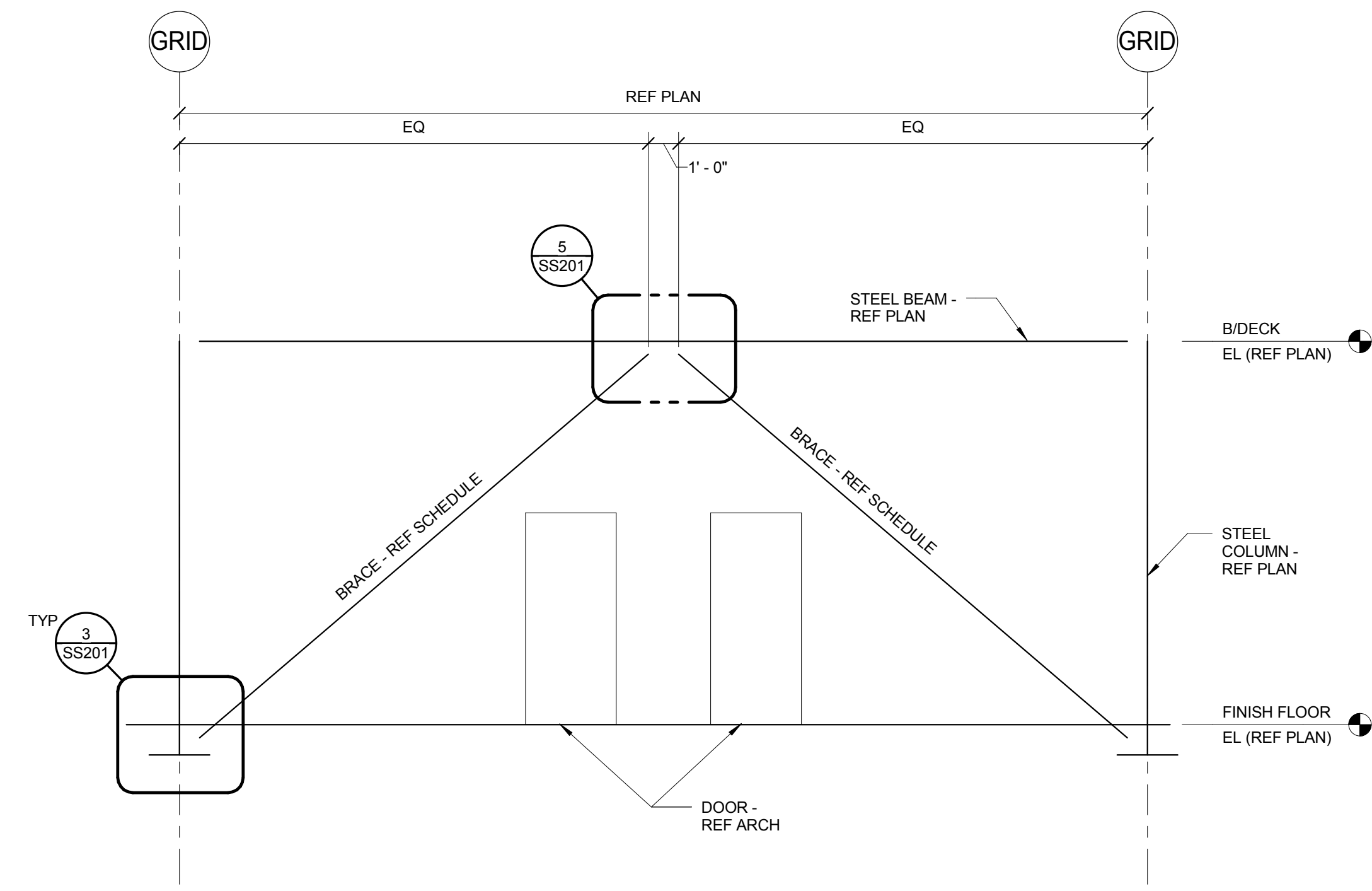
Office of Facilities Management

 Department of Veterans Affairs



1 BRACE FRAME (BF1) ELEVATION

1/4" = 1'-0"
 NOTES:
 1. UNLESS NOTED OTHERWISE, WORKING POINTS TO ALIGN WITH CENTERLINE (MID-DEPTH) OF MEMBERS.
 2. USE TC BOLTS IN BEAM TO COLUMN SHEAR CONNECTION.

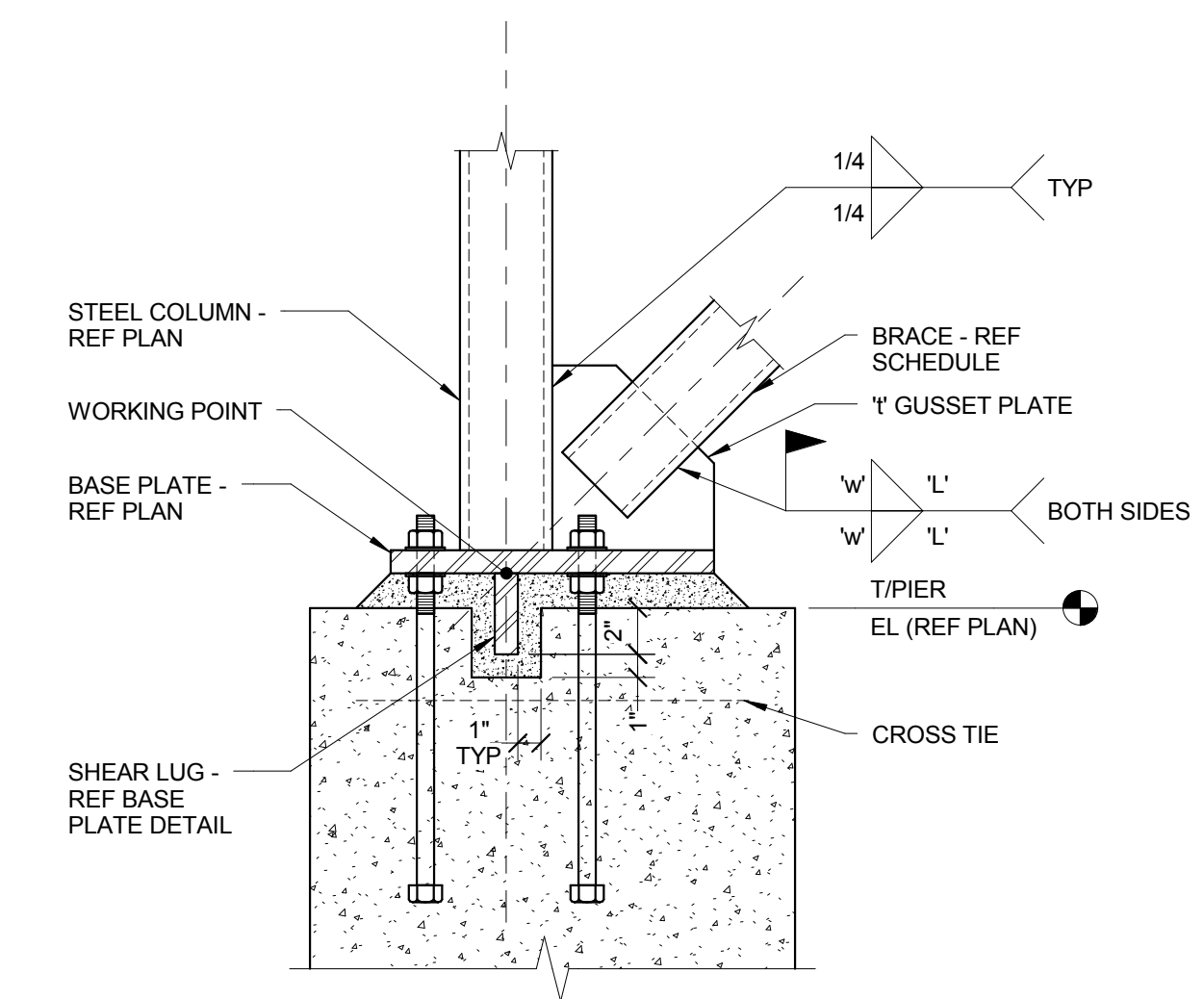
BRACED FRAME SCHEDULE				
MARK	BRACE SIZE	w'	L'	t'
BF1A	HSS4x4x1/4	1/4"	3'	1/2"
BF1B	HSS6x5x3/8	5/16"	3'	3/4"



2 BRACE FRAME (BF2) ELEVATION

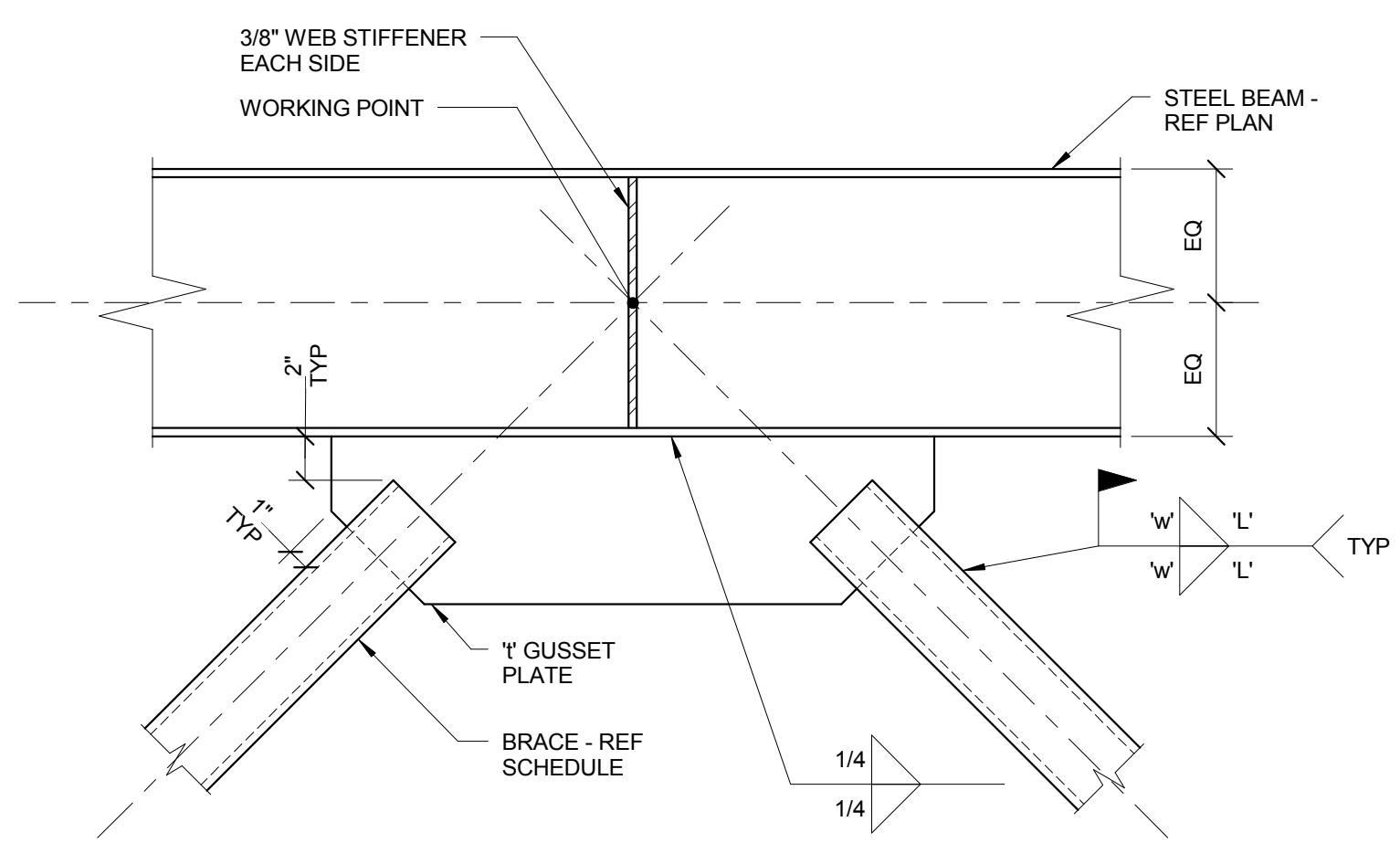
1/4" = 1'-0"
 NOTES:
 1. UNLESS NOTED OTHERWISE, WORKING POINTS TO ALIGN WITH CENTERLINE (MID-DEPTH) OF MEMBERS.
 2. USE TC BOLTS IN BEAM TO COLUMN SHEAR CONNECTION.

BRACED FRAME SCHEDULE				
MARK	BRACE SIZE	w'	L'	t'
BF2A	HSS4x4x1/4	1/4"	3'	1/2"



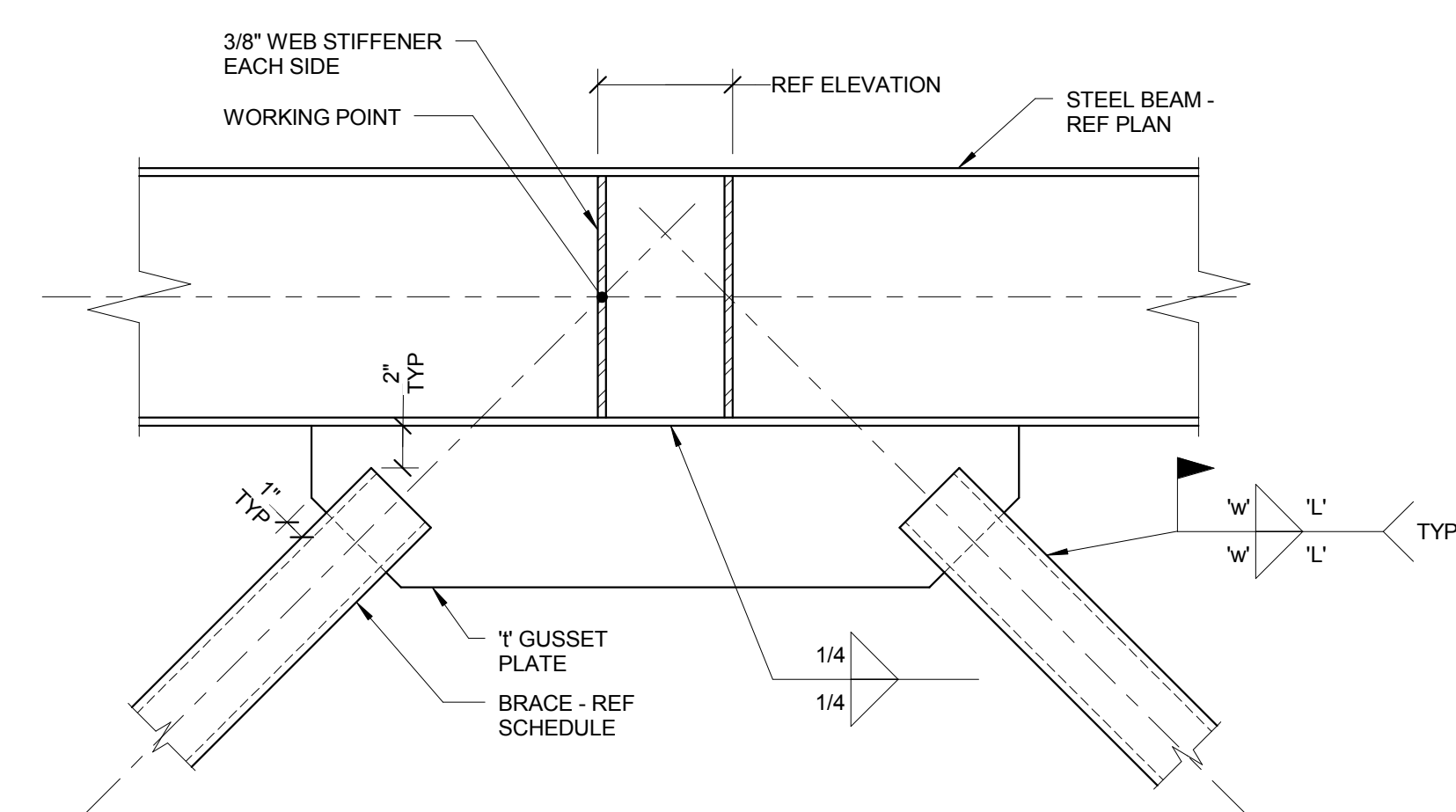
3 FRAMING DETAIL

1 1/2" = 1'-0"
 NOTES:
 1. REFER TO BRACED FRAME SCHEDULE ON BF1 AND BF2 FOR ADDITIONAL CONNECTION INFORMATION.



4 FRAMING DETAIL

1 1/2" = 1'-0"
 NOTES:
 1. REFER TO BRACED FRAME SCHEDULE ON BF1 AND BF2 FOR ADDITIONAL CONNECTION INFORMATION.

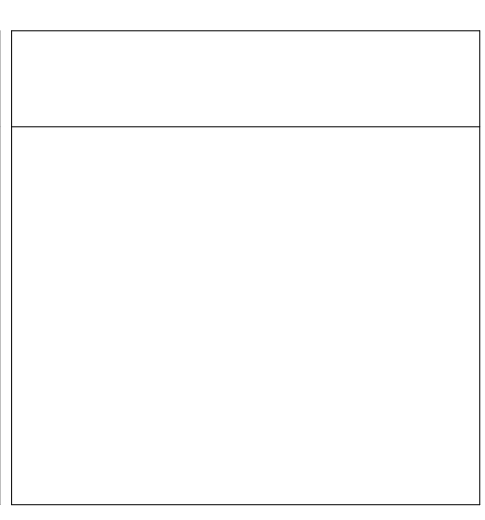


5 FRAMING DETAIL

1 1/2" = 1'-0"
 NOTES:
 1. REFER TO BRACED FRAME SCHEDULE ON BF1 AND BF2 FOR ADDITIONAL CONNECTION INFORMATION.

REVISED FOR BIDDING	10/27/15
Revisions:	Date

CONSULTANTS:
 HEALTHCARE PLANNERS: VOA ARCHITECTS
 MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
 CIVIL ENGINEER: JD ENGINEERING
 COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
 INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

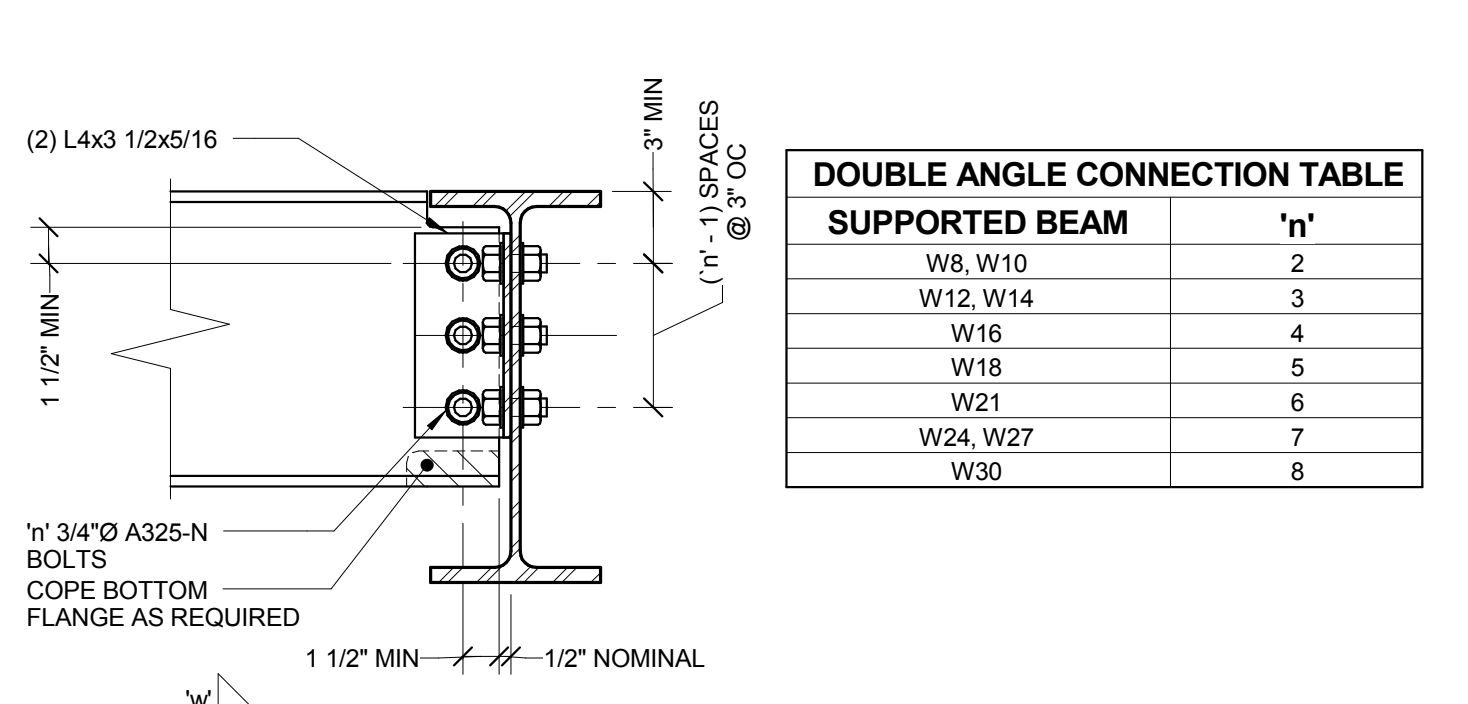


ARCHITECT:
MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

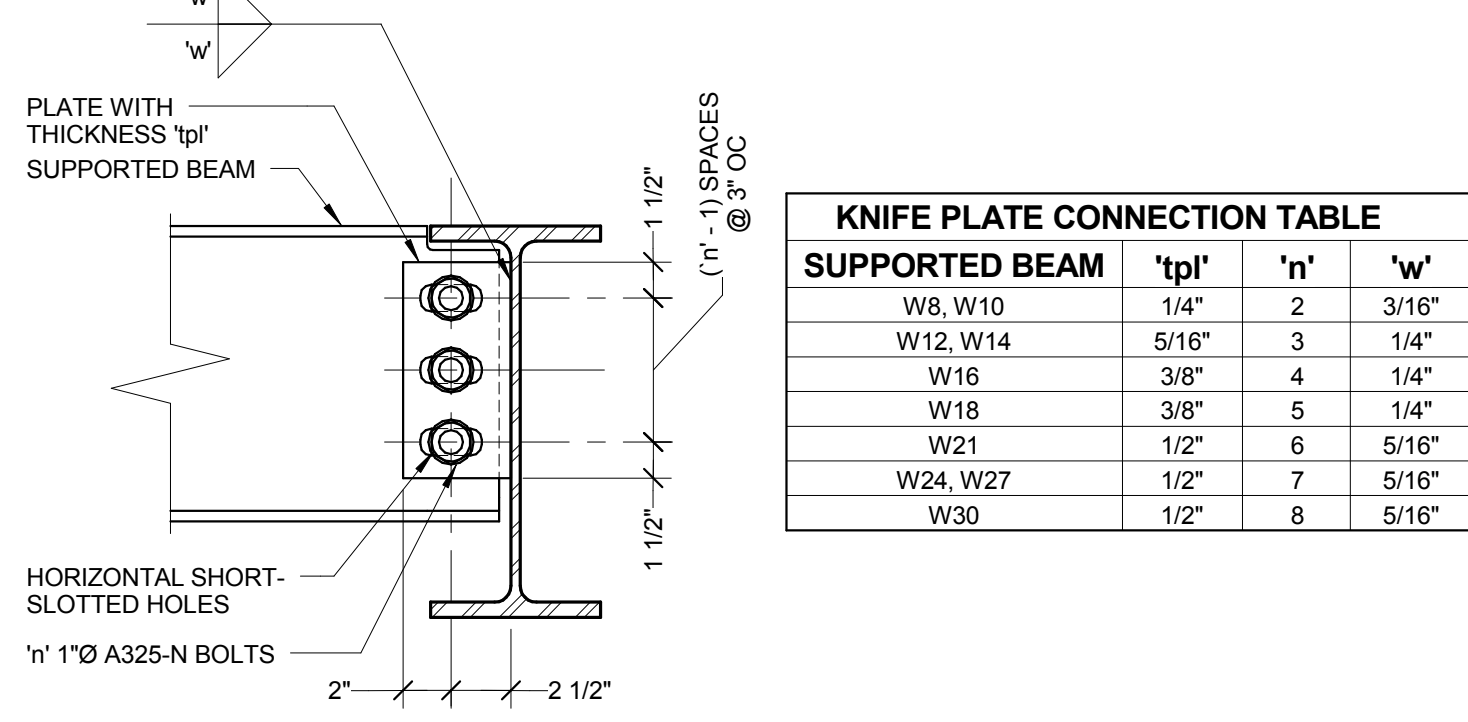
Drawing Title
BRACED FRAME ELEVATIONS
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number **549-130**
 Building Number **1**
 Drawing Number **SS201**
 Date **APRIL 13, 2015**
 Checked **TODBAR**
 Drawn **CAD**
 Dwg. 53 of 142

Office of Facilities Management
 Department of Veterans Affairs



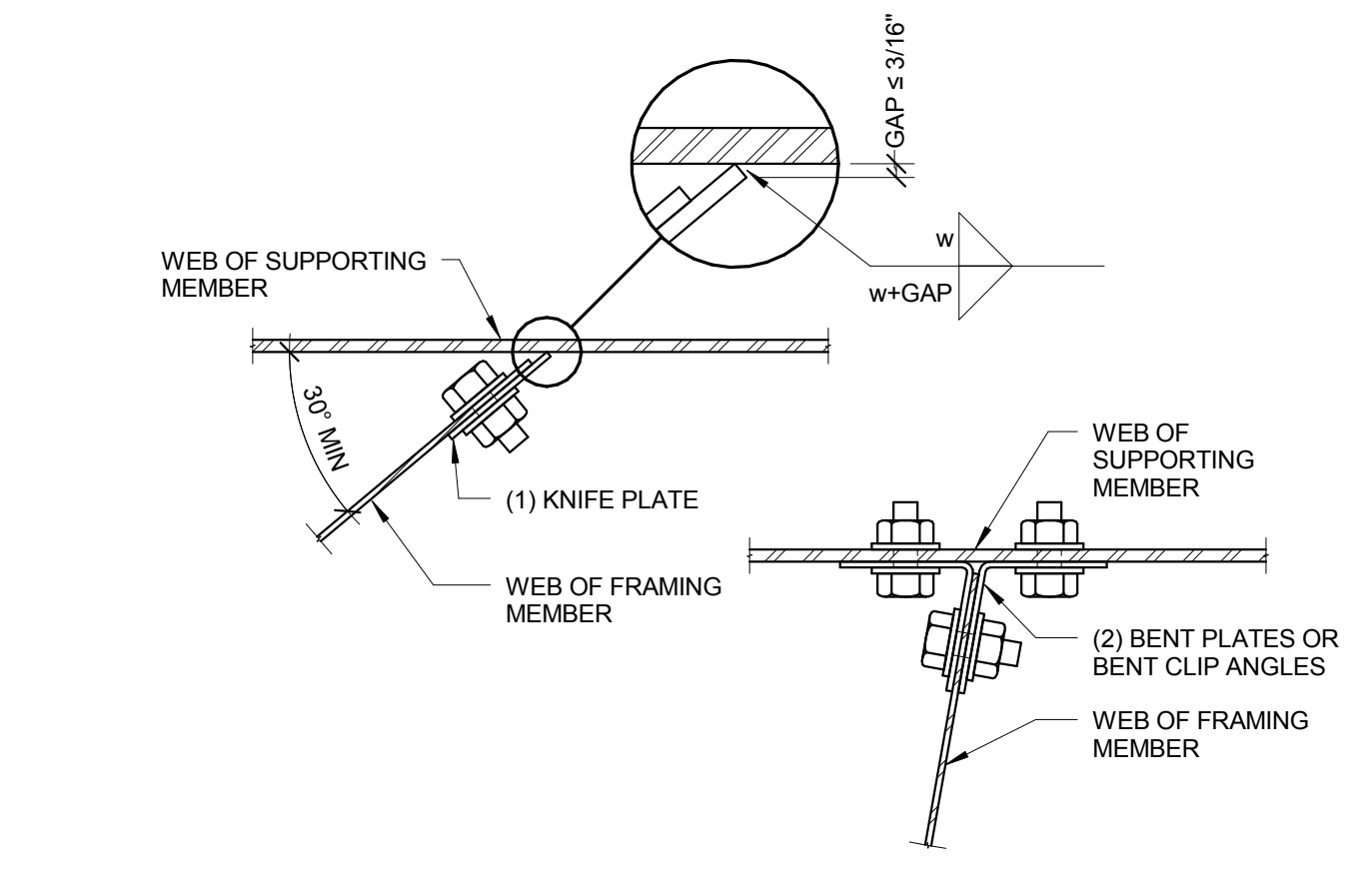
DOUBLE ANGLE CONNECTION TABLE			
SUPPORTED BEAM	"h"	"t"	"w"
W8, W10	2	1/2"	3/16"
W12, W14	3	1/2"	3/16"
W16	4	1/2"	3/16"
W18	5	1/2"	3/16"
W21	6	1/2"	3/16"
W24, W27	7	1/2"	3/16"
W30	8	1/2"	3/16"



KNIFE PLATE CONNECTION TABLE			
SUPPORTED BEAM	"t"	"h"	"w"
W8, W10	1/4"	2	3/16"
W12, W14	5/16"	3	1/4"
W16	3/8"	4	1/4"
W18	3/8"	5	1/4"
W21	1/2"	6	5/16"
W24, W27	1/2"	7	5/16"
W30	1/2"	8	5/16"

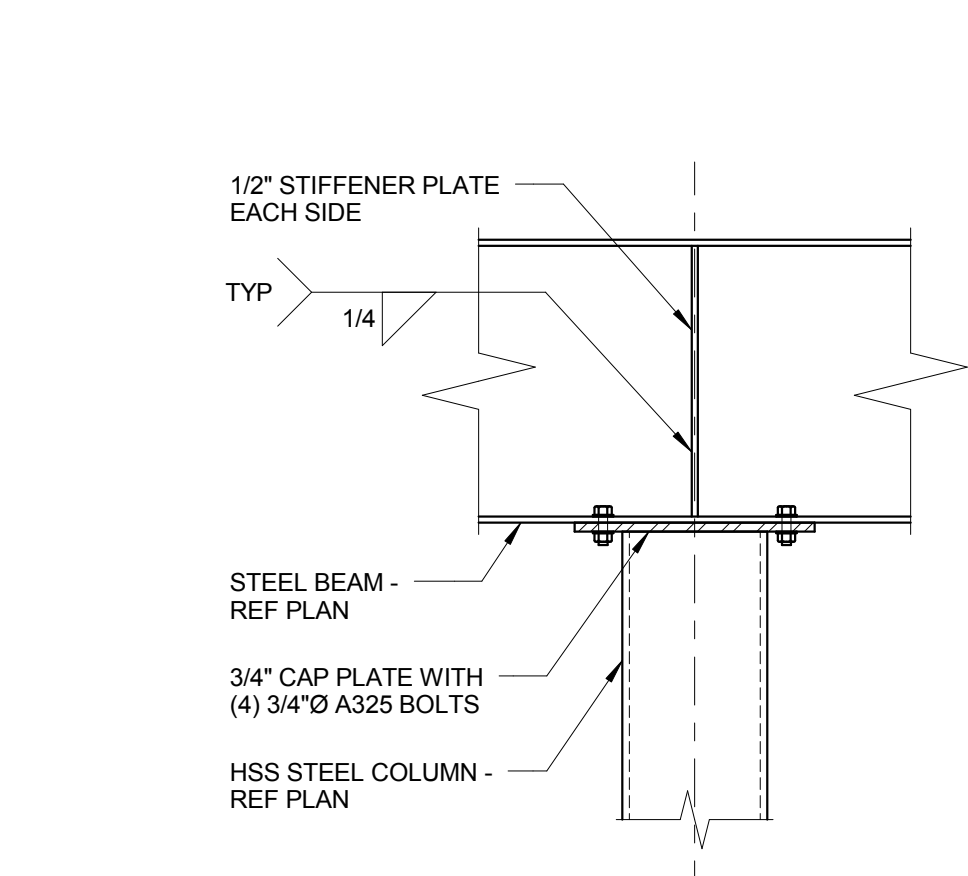
1 TYPICAL SHEAR CONNECTION
3/4" = 1'-0"

- NOTES:
- BOTH DOUBLE ANGLE AND KNIFE PLATE CONNECTION CONFIGURATIONS ARE ACCEPTABLE. UNLESS NOTED OTHERWISE, FABRICATOR AND DETAILER SHALL SELECT WHICH OPTION IS BEST SUITED FOR THEIR FABRICATION PROCESS AND THE ANTICIPATED ERECTION PROCEDURES.
 - DETAIL TO BE SIMILAR AT CONNECTIONS TO WIDE FLANGE OR HSS COLUMNS.
 - UNLESS NOTED OTHERWISE, PROVIDE SHEAR CONNECTIONS AS INDICATED BY THIS DETAIL.
 - DETAILER IS RESPONSIBLE FOR FULLY DEVELOPING GEOMETRY AND DIMENSIONAL INFORMATION REQUIRED TO FABRICATE.
 - WHERE TYPICAL SHEAR CONNECTION DETAIL IS NOT APPLICABLE, FABRICATOR SHALL SELECT AND DETAIL ALTERNATE CONNECTION CAPABLE OF DEVELOPING EQUAL STRENGTH. ALTERNATE CONNECTION SHALL BE SELECTED IN ACCORDANCE WITH AISC ASD CONNECTION TABLES.

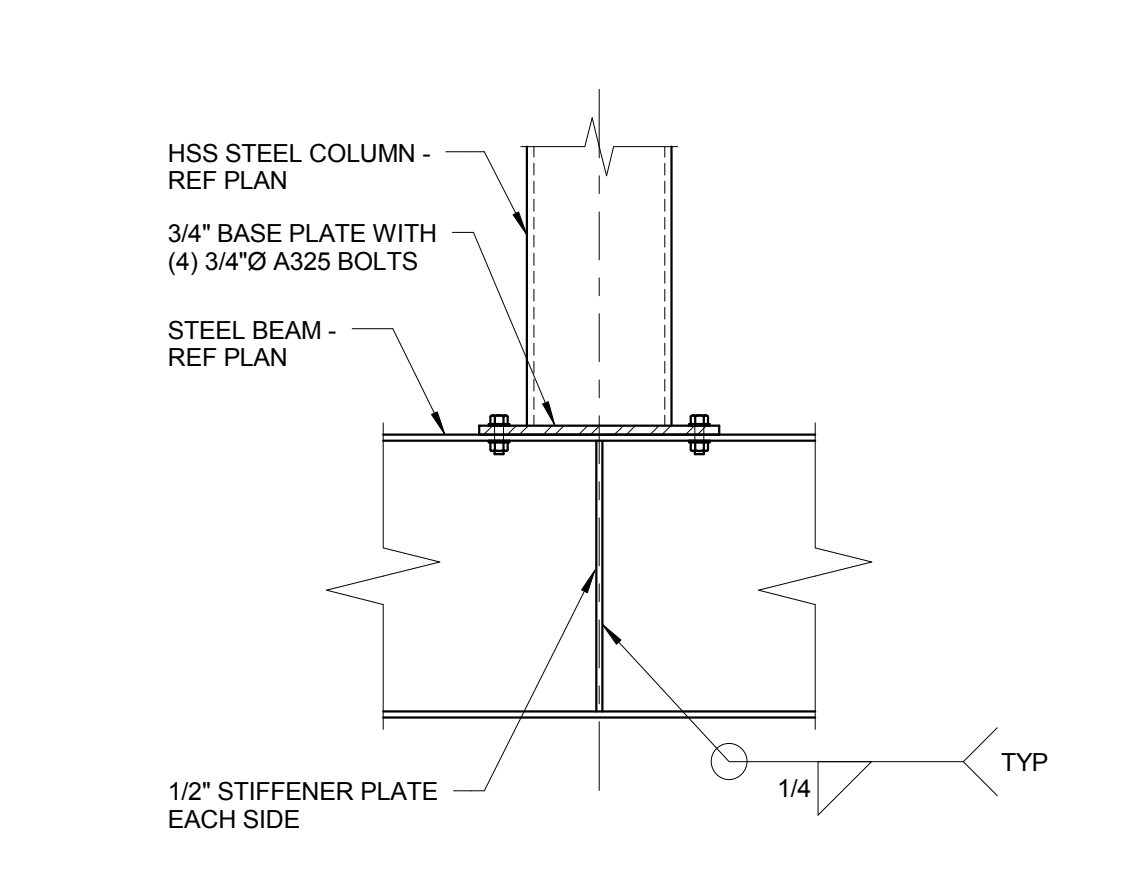


2 TYPICAL SKEWED CONNECTION
3" = 1'-0"

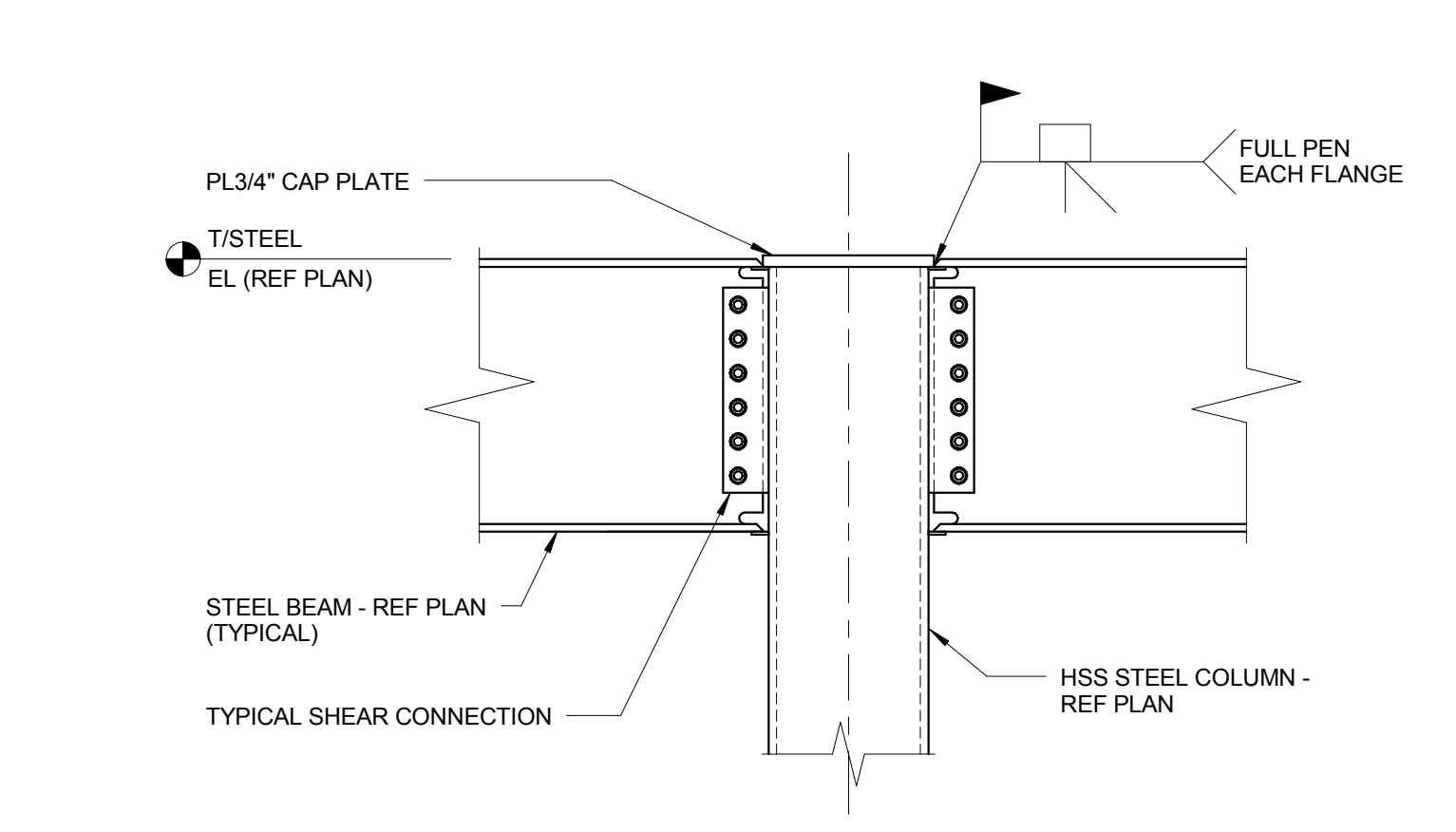
- NOTES:
- DETAILER MAY SELECT DOUBLE BENT ANGLES, DOUBLE BENT PLATES, OR SINGLE KNIFE PLATE AS BEST APPLIES TO CONNECTION.
 - "w" IS WELD SIZE FROM TYPICAL SHEAR CONNECTION.



3 BEAM BEARING ON COLUMN
3/4" = 1'-0"

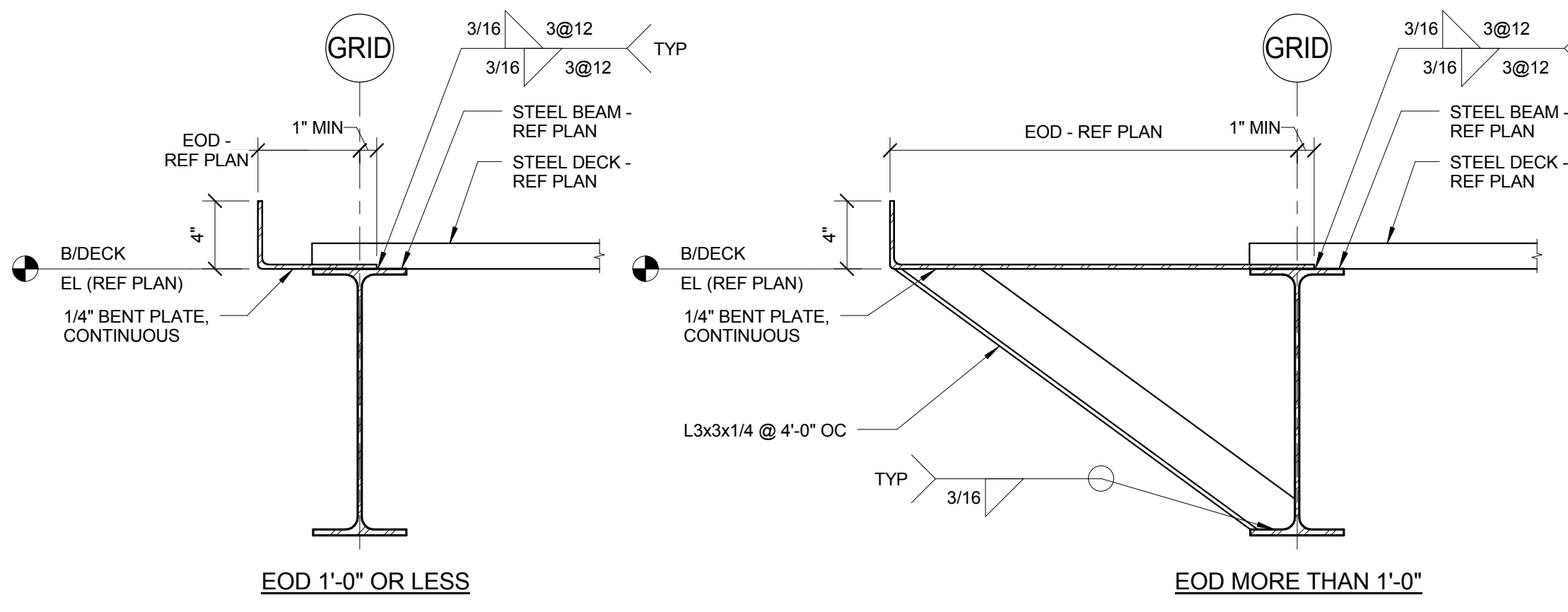


4 COLUMN BEARING ON BEAM
3/4" = 1'-0"

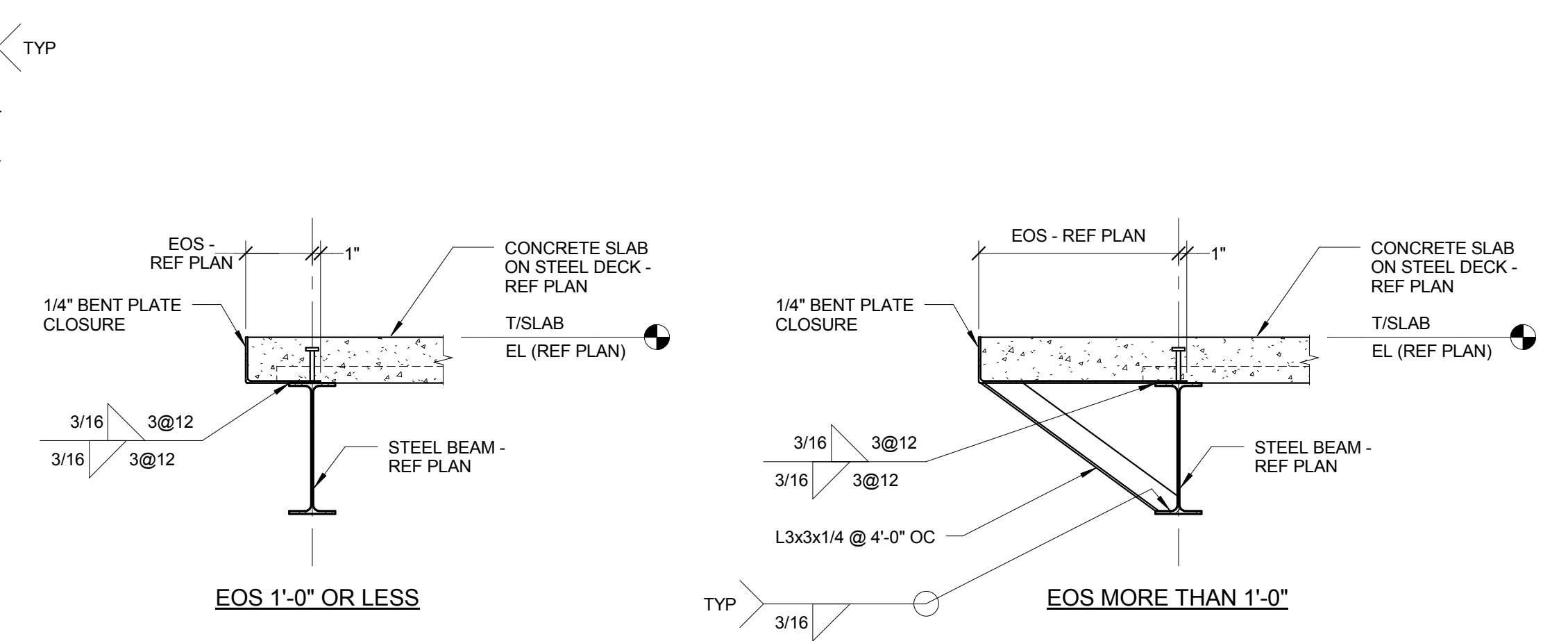


5 TYPICAL ROOF MOMENT CONNECTION
3/4" = 1'-0"

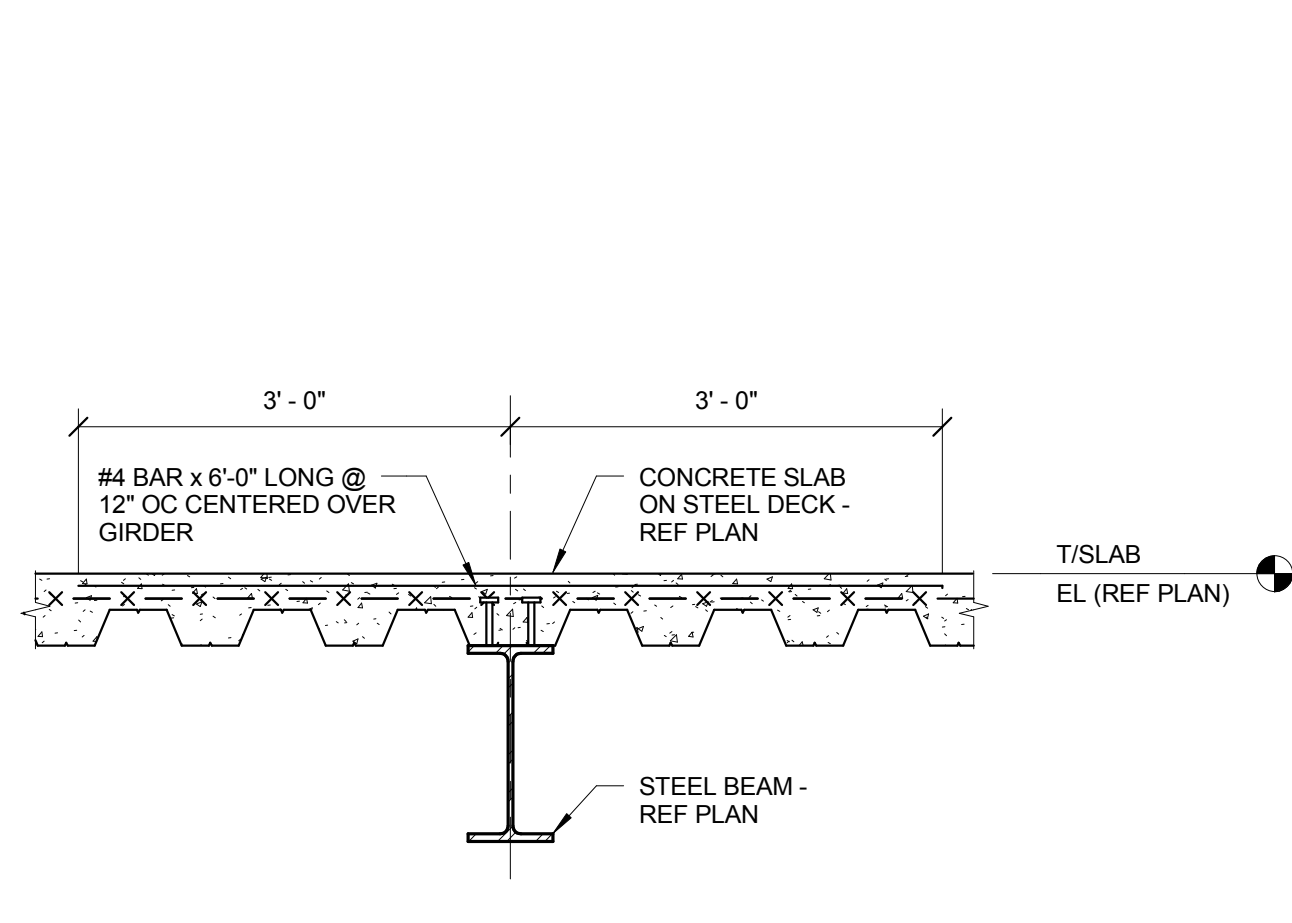
- NOTES:
- BACKING SHALL BE USED FOR ALL FULL PENETRATION WELDS.
 - OTHER FRAMING MEMBERS NOT SHOWN FOR CLARITY.
 - USE TC BOLTS IN BEAM TO COLUMN SHEAR CONNECTION.



6 TYPICAL CLOSURE PLATE DETAIL
1 1/2" = 1'-0"

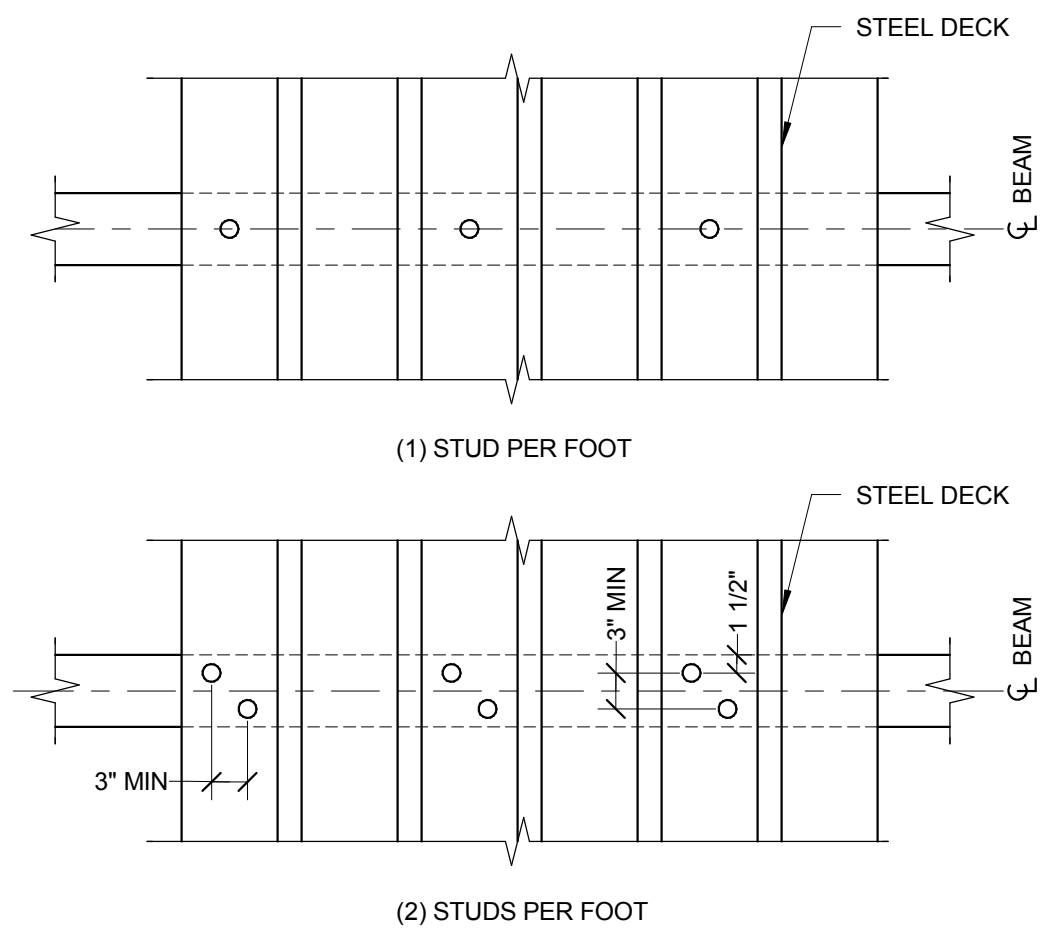


7 TYPICAL SLAB EDGE DETAIL
3/4" = 1'-0"



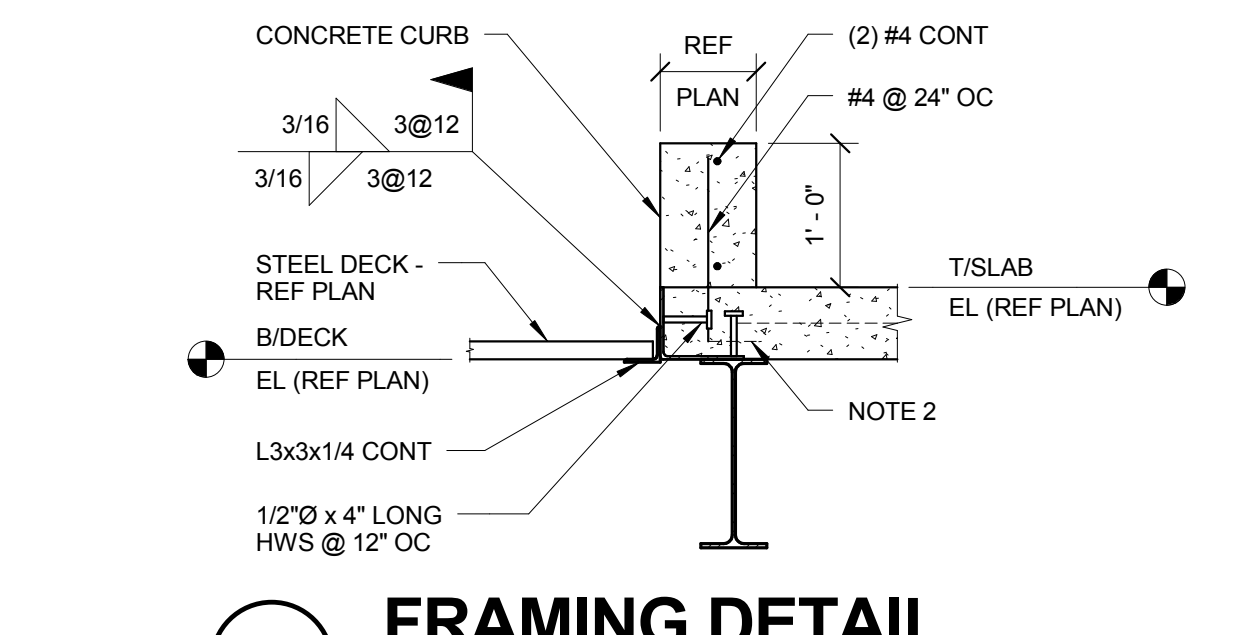
8 TYPICAL GIRDER DETAIL
3/4" = 1'-0"

- NOTES:
- A STEEL GIRDER IS DEFINED AS A STEEL BEAM FRAMING BETWEEN COLUMNS AND SUPPORTING OTHER BEAMS.



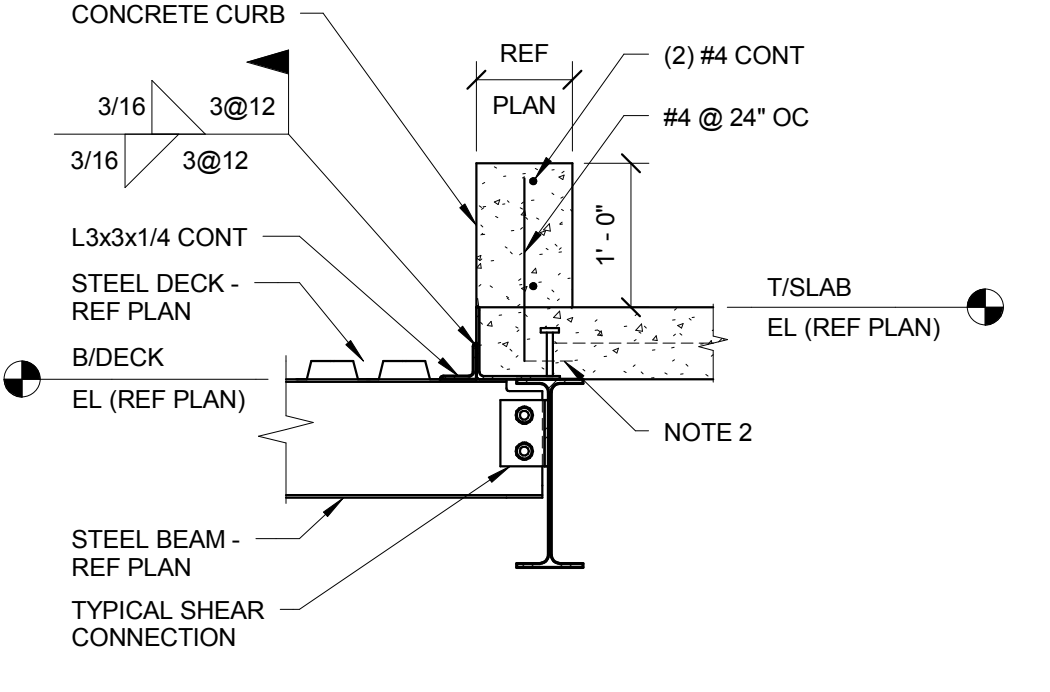
9 TYPICAL SHEAR STUD SPACING
3/4" = 1'-0"

- NOTES:
- WHERE STEEL DECK IS PARALLEL WITH BEAM, LOCATE STUDS ON BEAM CENTERLINE WITH SPACING OF 6" OC OR 12" OC AS INDICATED ON PLAN. UNO



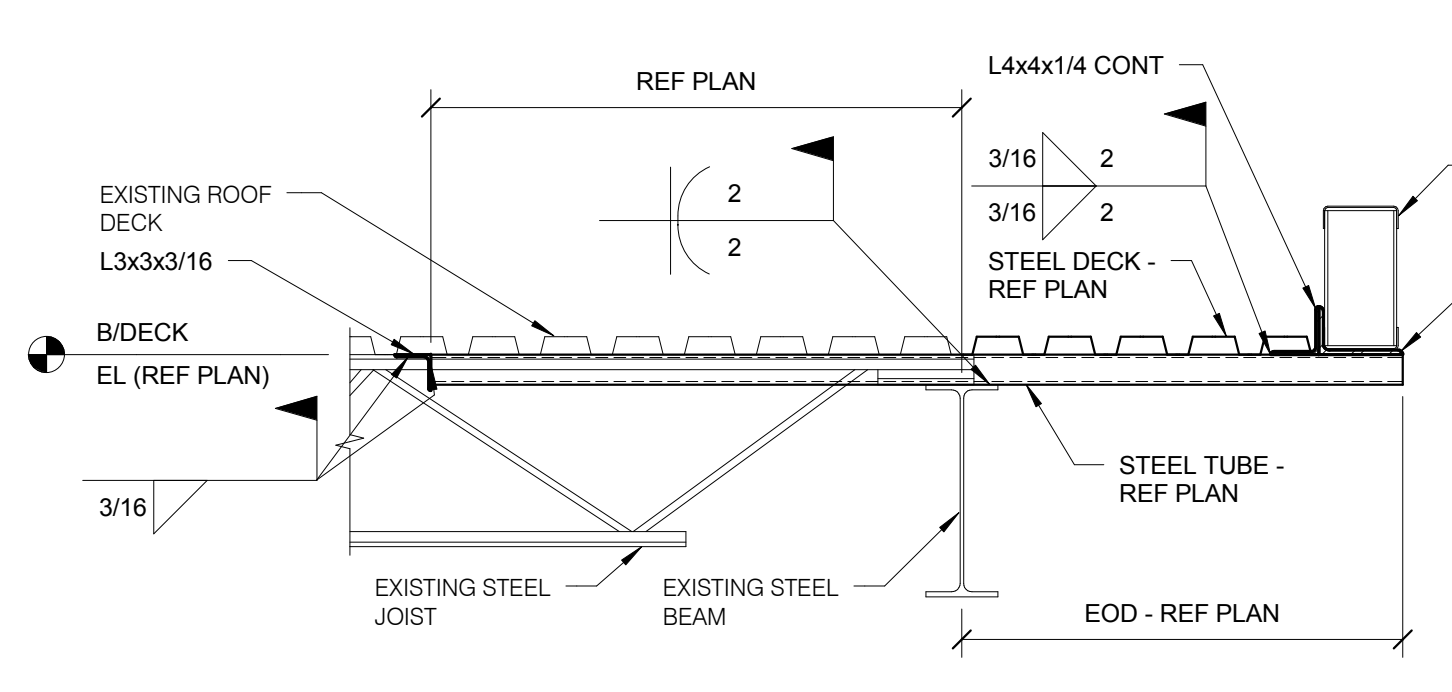
10 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- REFER TO DETAIL 7/SS501 FOR ADDITIONAL INFORMATION.
 - PROVIDE STD 90° HOOK INTO SLAB. AT CONTRACTORS OPTION, DRILL AND EPOXY VERTICAL BAR INTO SLAB. EMBED 4".



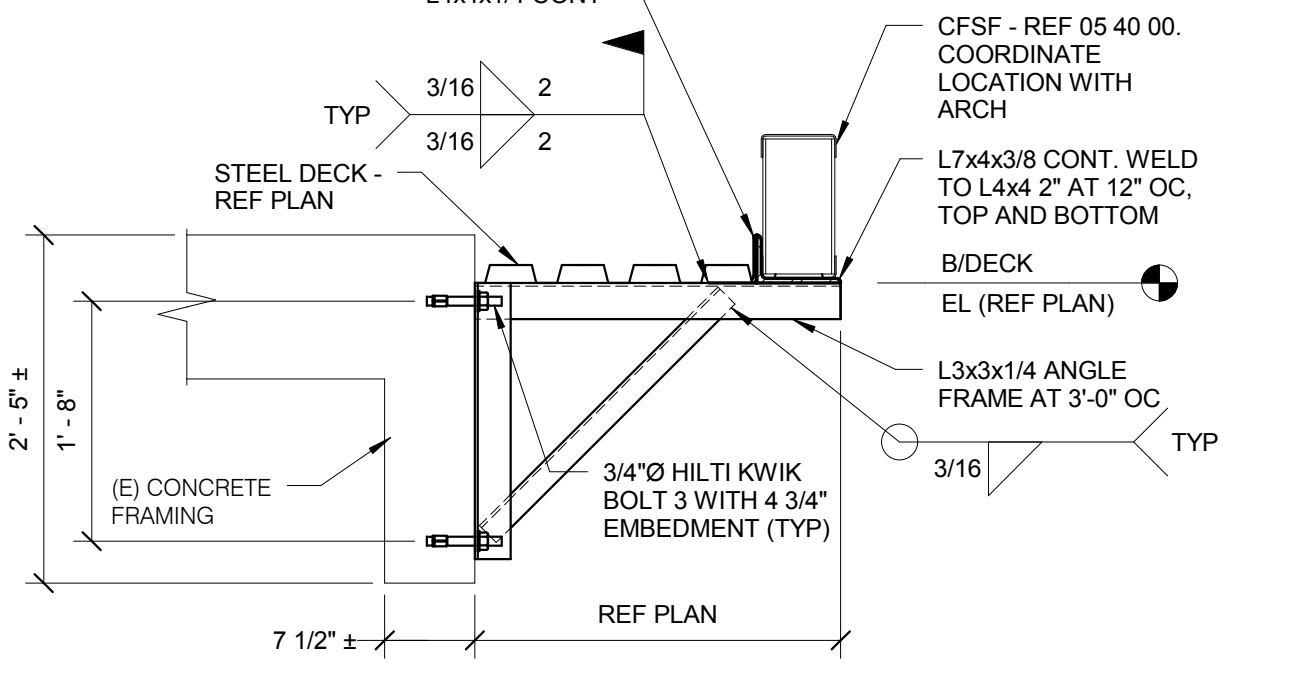
11 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- REFER TO DETAIL 7/SS501 FOR ADDITIONAL INFORMATION.
 - PROVIDE STD 90° HOOK INTO SLAB. AT CONTRACTORS OPTION, DRILL AND EPOXY VERTICAL BAR INTO SLAB. EMBED 4".



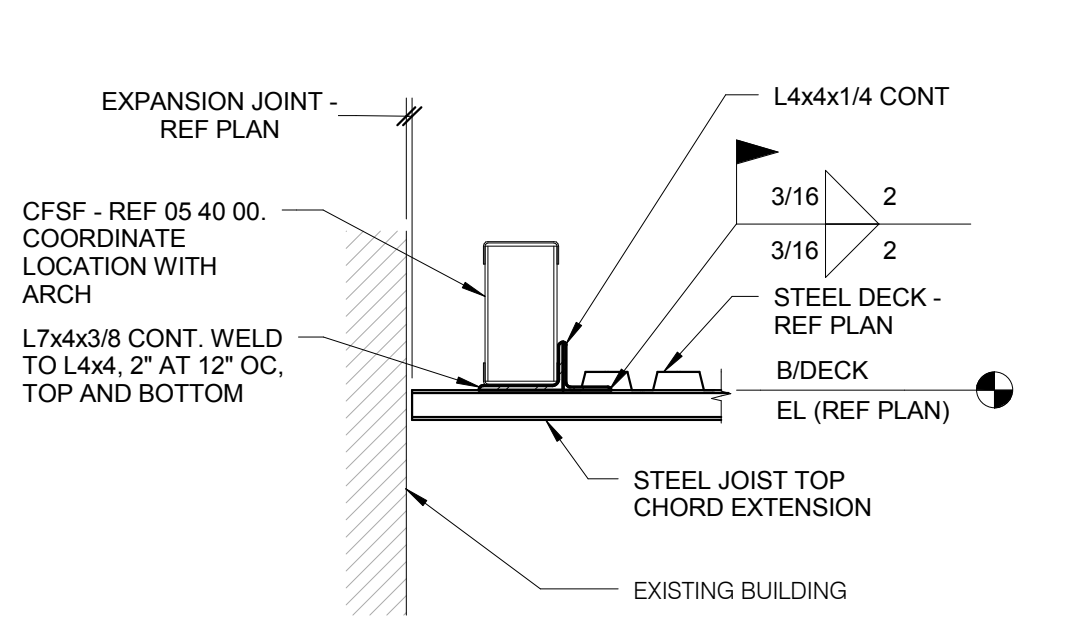
12 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- NEW HIGHER ROOF NOT SHOWN. REFER TO 16/SS501.



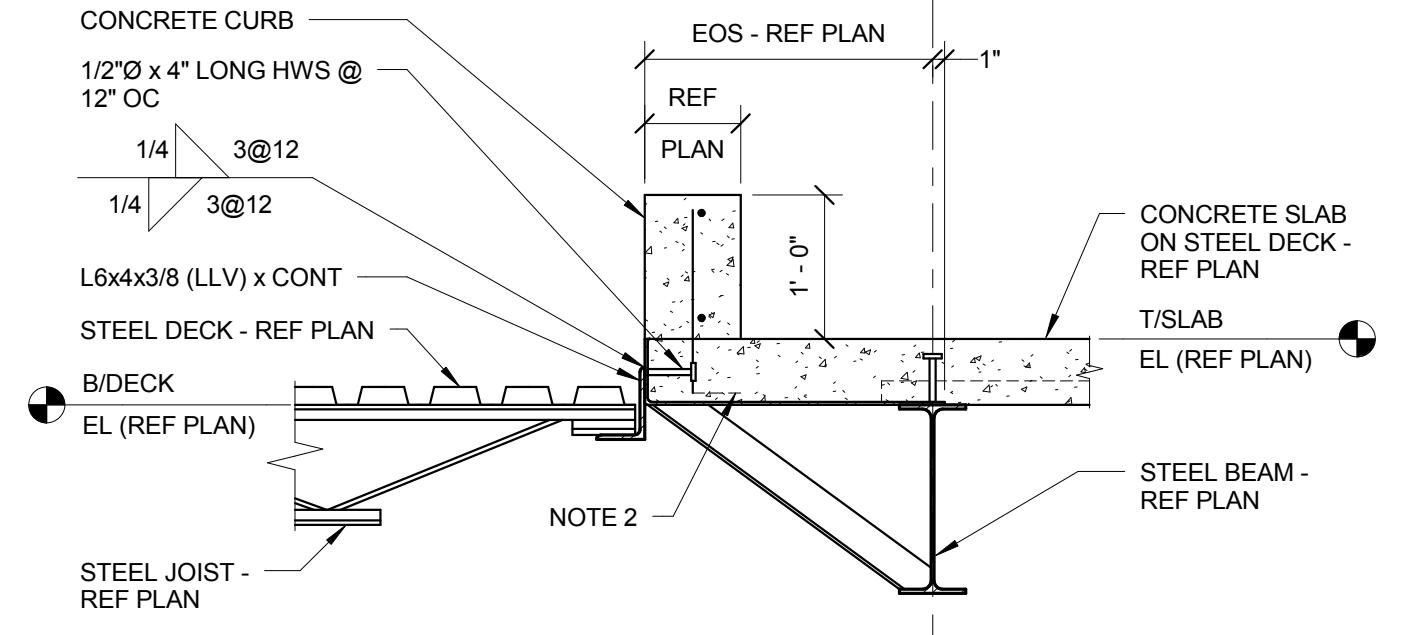
13 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- NEW HIGHER ROOF NOT SHOWN. REFER TO 14/SS501.
 - DO NOT CUT EXISTING REINFORCEMENT TO INSTALL ANCHORS. PATCH ABANDONED HOLES WITH NON-SHRINK GROUT.



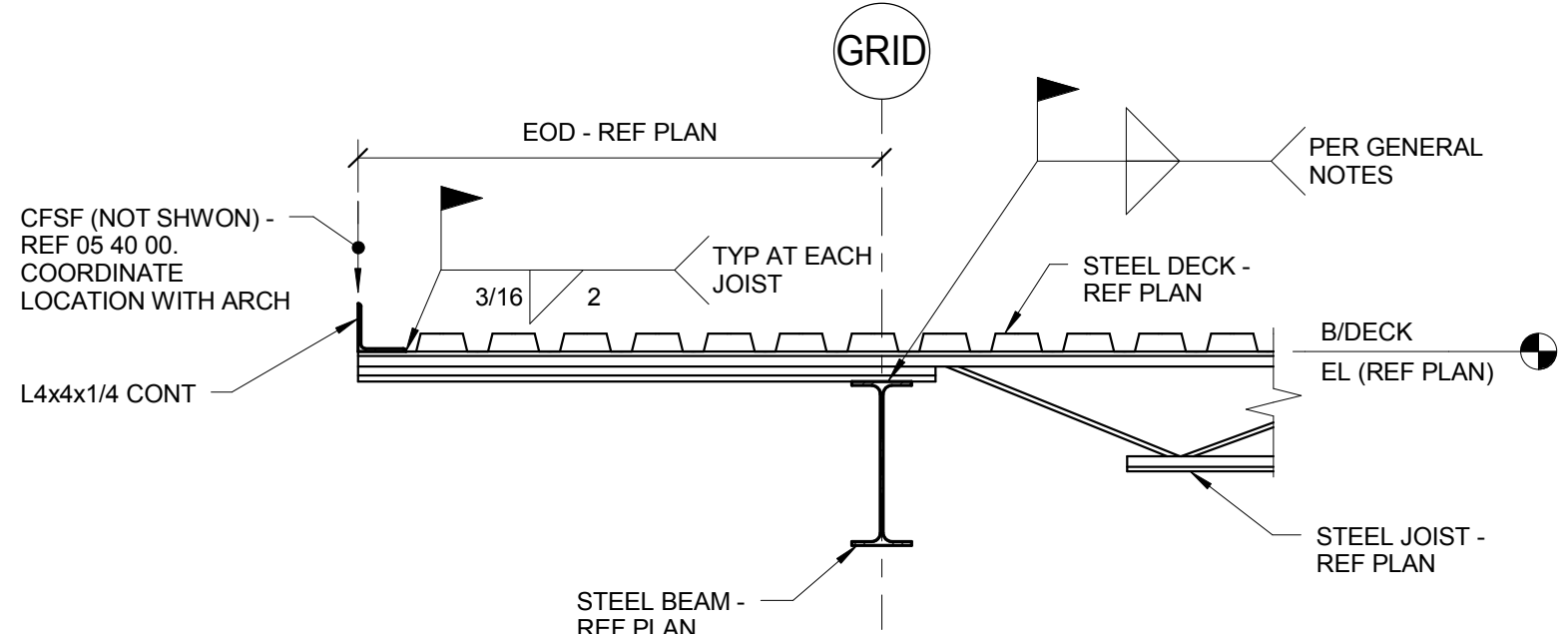
14 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- TOP CHORD EXTENSION LOADS:
 - A. ROOF DEAD LOAD = 25 PSF
 - B. ROOF LIVE LOAD = 20 PSF
 - C. ROOF SNOW LOAD = REF GENERAL NOTES
 - D. CFSF WALL = 50 PLF



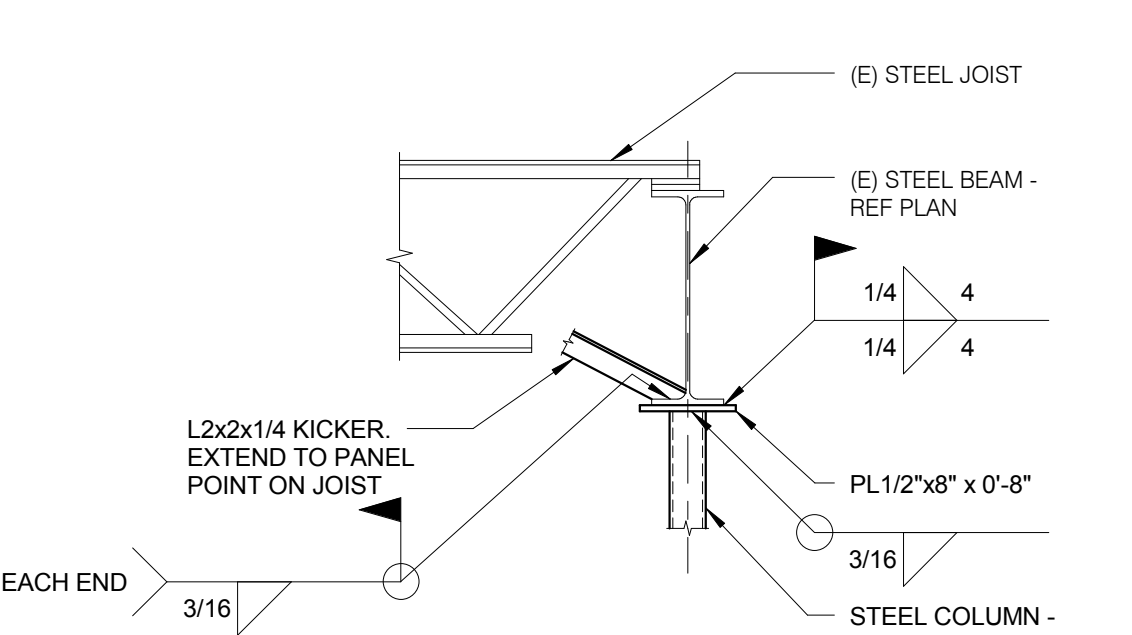
15 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- REFER TO DETAIL 7/SS501 FOR ADDITIONAL INFORMATION.
 - PROVIDE STD 90° HOOK INTO SLAB. AT CONTRACTORS OPTION, DRILL AND EPOXY VERTICAL BAR INTO SLAB. EMBED 4".



16 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- TOP CHORD EXTENSION LOADS:
 - A. ROOF DEAD LOAD = 25 PSF
 - B. ROOF LIVE LOAD = 20 PSF
 - C. ROOF SNOW LOAD = REF GENERAL NOTES
 - D. CFSF WALL = 50 PLF



17 FRAMING DETAIL
3/4" = 1'-0"

- NOTES:
- ADDITIONAL NEW FRAMING NOT SHOWN. REFER TO 12/SS501.

REVISED FOR BIDDING	10/27/15
Revisions:	Date


CONSULTANTS:
 HEALTHCARE PLANNERS: VOA ARCHITECTS
 MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
 CIVIL ENGINEER: JD ENGINEERING
 COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
 INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

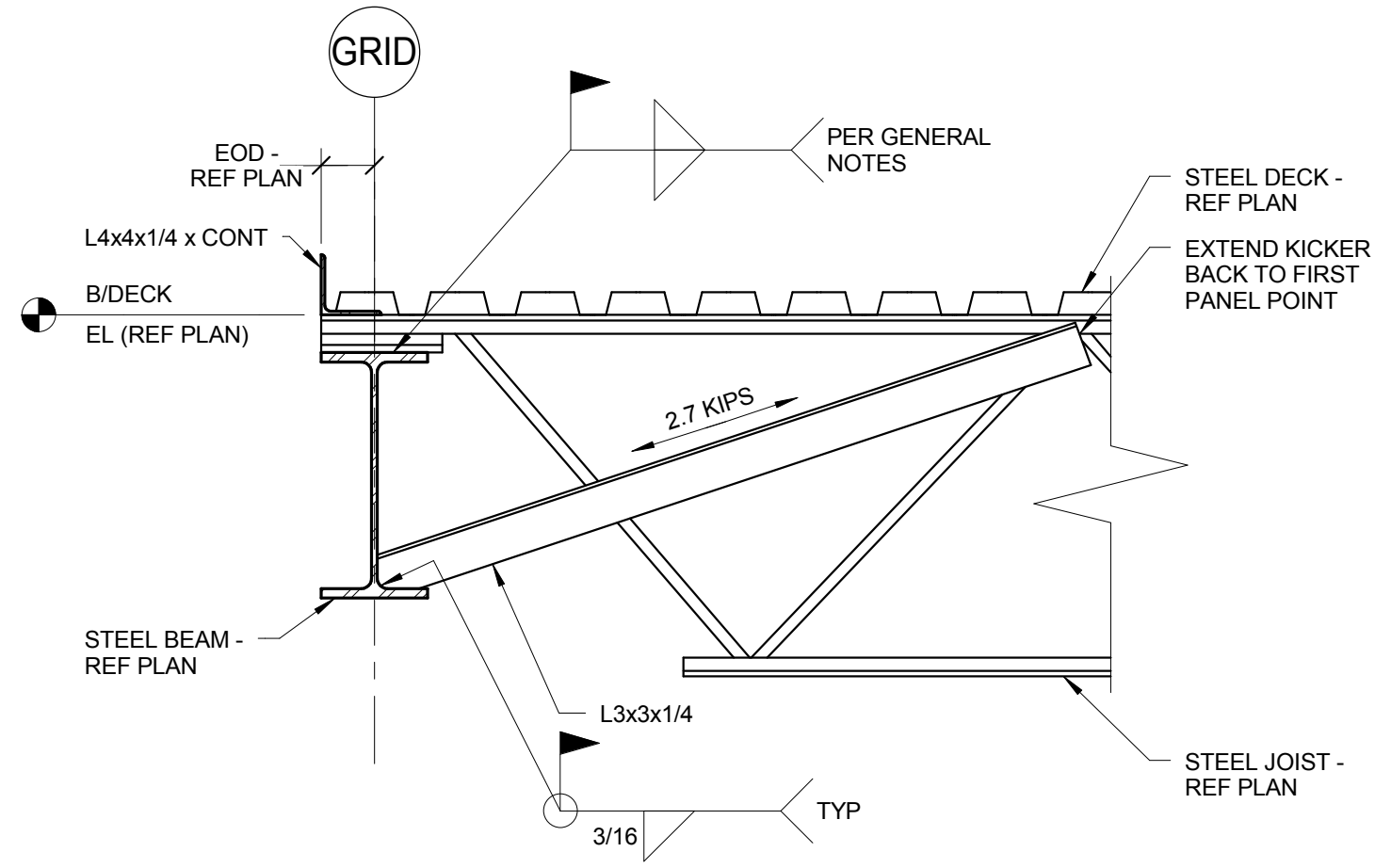
ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

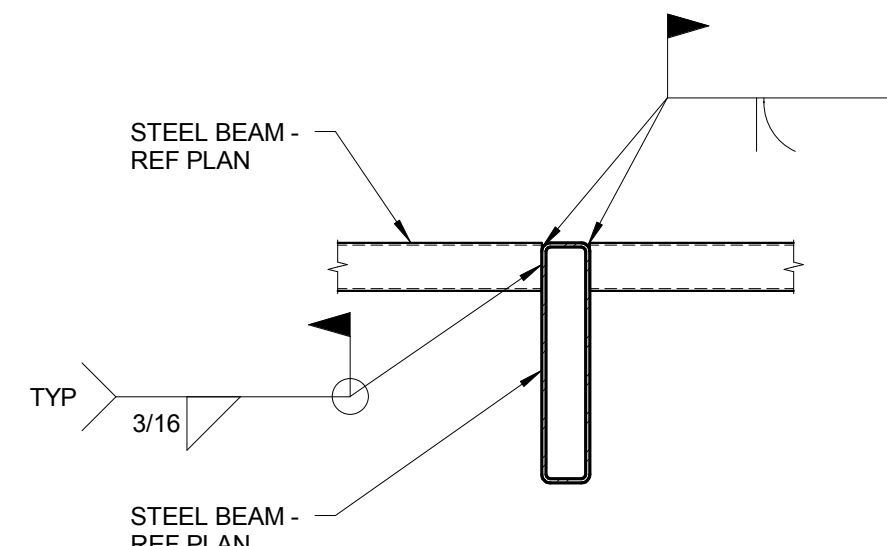
Drawing Title
FRAMING DETAILS
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number **549-130**
 Building Number **1**
 Drawing Number **SS501**
 Date **APRIL 13, 2015**
 Checked **TODBAR**
 Drawn **CAD**
 Dwg. 56 of 142

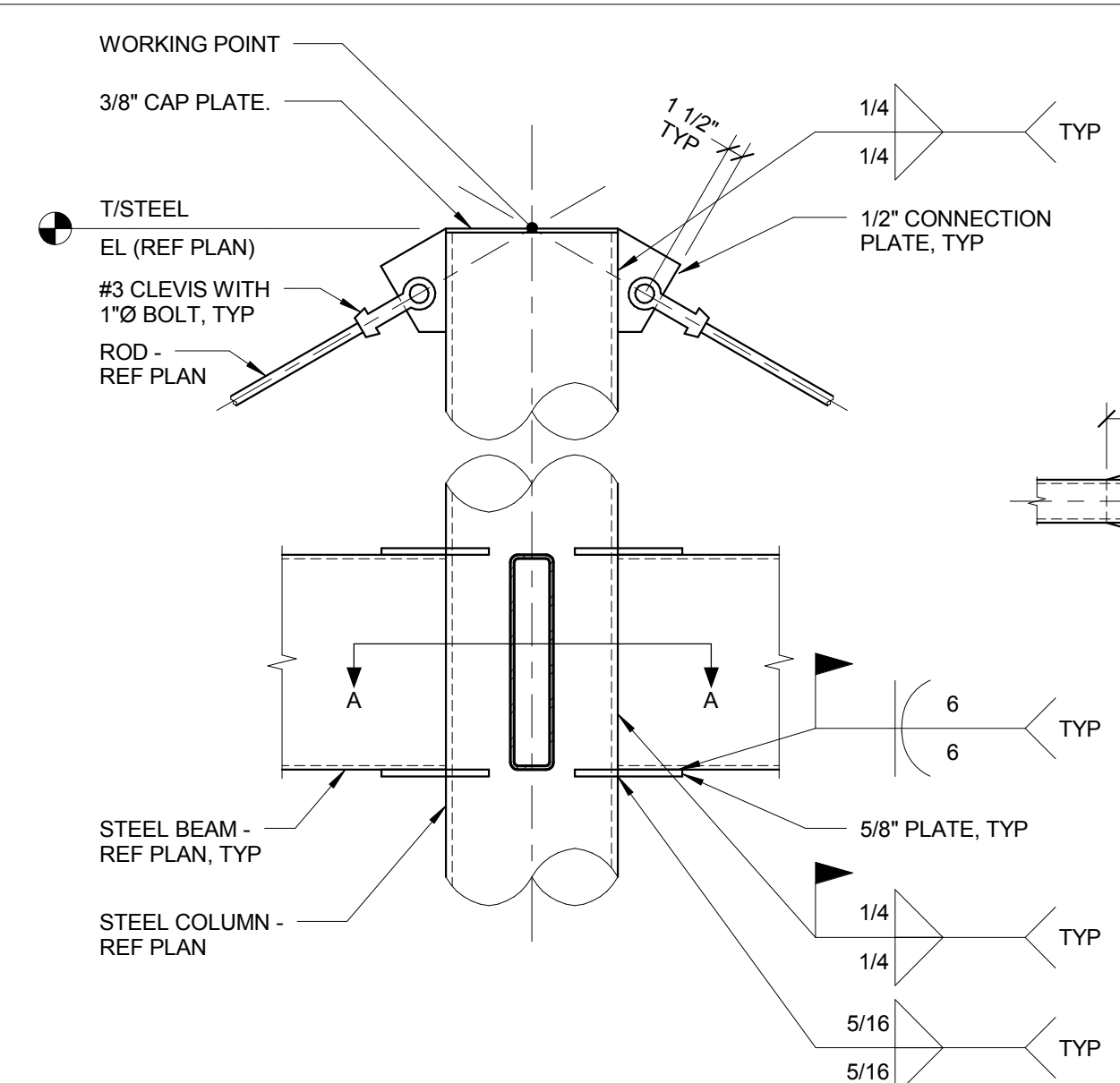
Office of Facilities Management




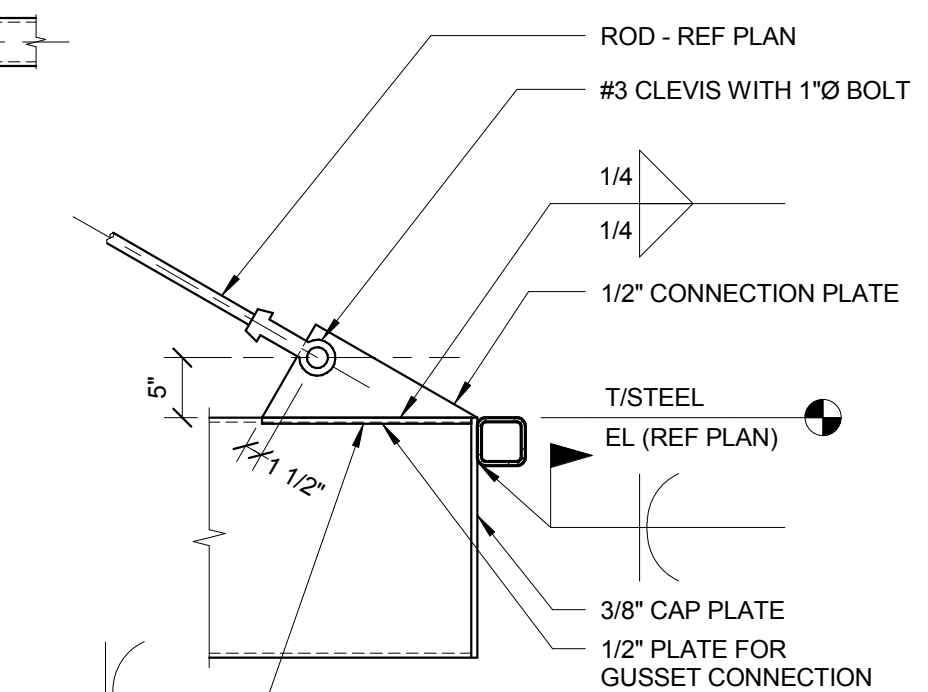
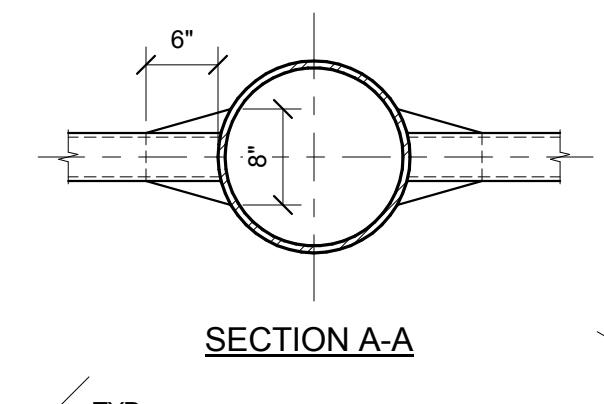
1 FRAMING DETAIL
 1" = 1'-0"
 NOTES:
 1. JOIST MANUFACTURER TO DESIGN JOIST FOR LOADS INDICATED.



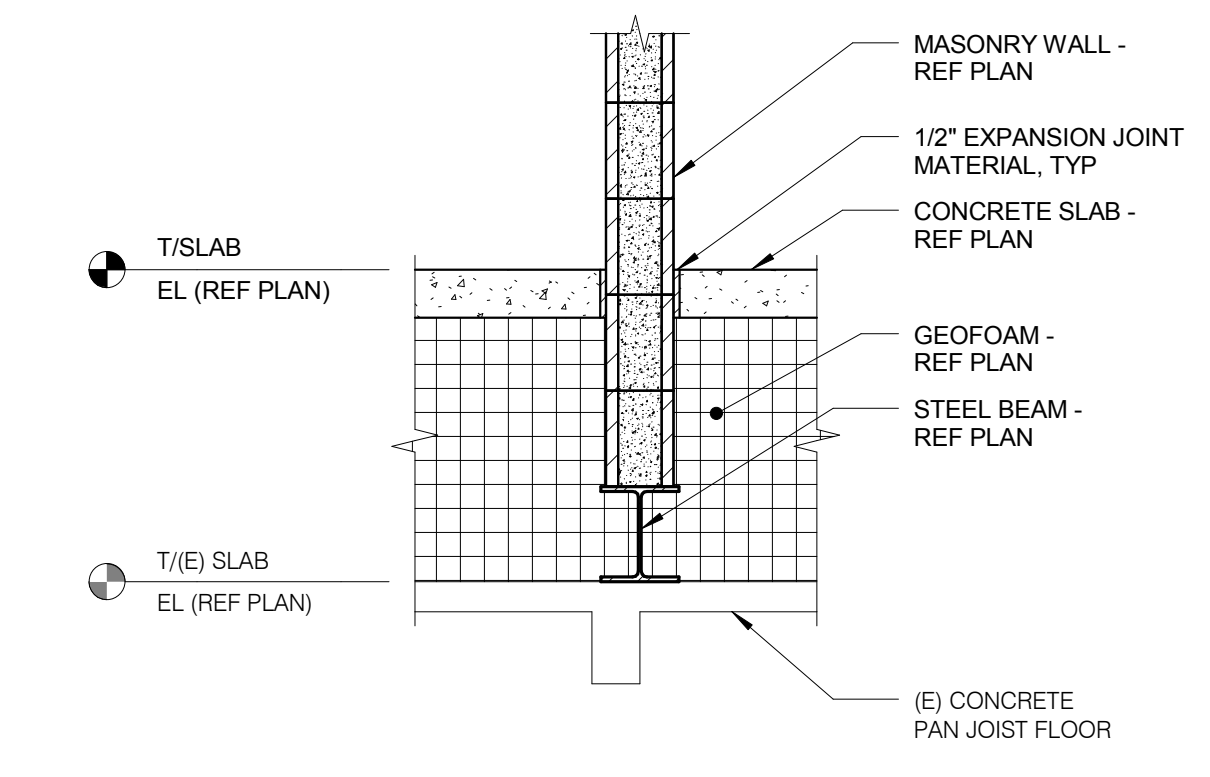
2 FRAMING DETAIL
 3/4" = 1'-0"
 NOTES:
 1. WELD TO BE WATERTIGHT.



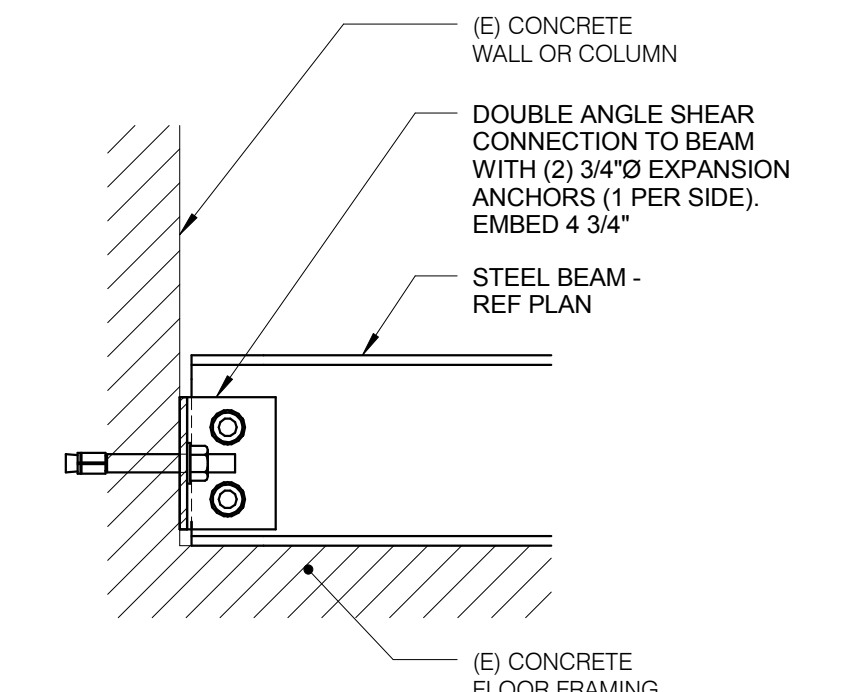
3 FRAMING DETAIL
 3/4" = 1'-0"
 NOTES:
 1. WELDS TO BE WATERTIGHT.



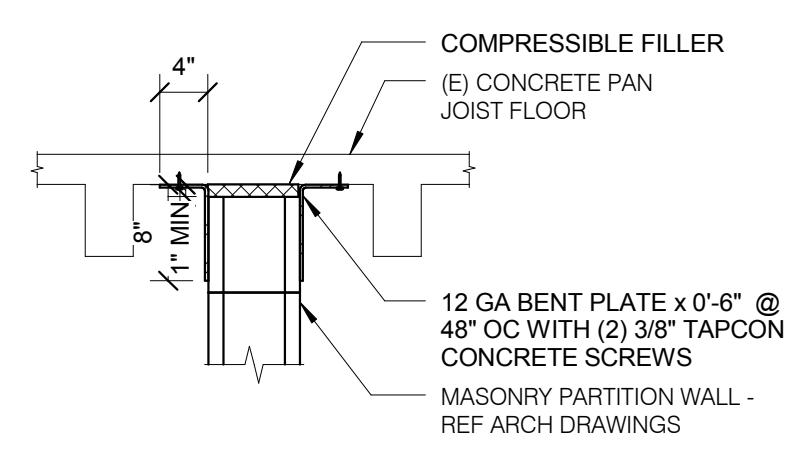
4 FRAMING DETAIL
 3/4" = 1'-0"
 NOTES:
 1. WELDS TO BE WATERTIGHT.



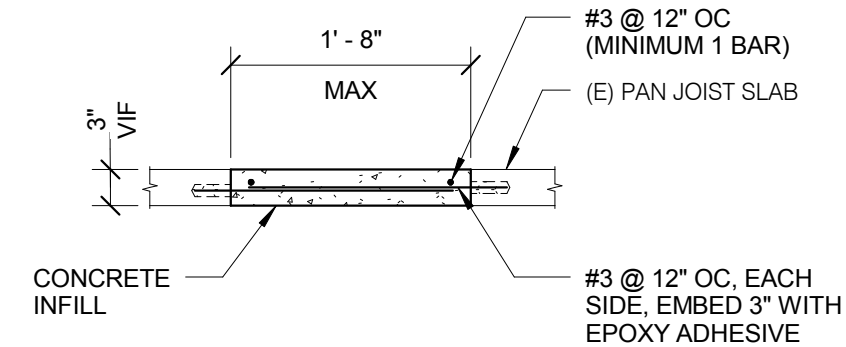
5 FRAMING DETAIL
 3/4" = 1'-0"



6 FRAMING DETAIL
 1 1/2" = 1'-0"
 NOTES:
 1. CMU WALL ON TOP OF BEAM NOT SHOWN FOR CLARITY.



7 MASONRY PARTITION WALL DETAIL
 3/4" = 1'-0"
 NOTES:
 1. PROVIDE THE BENT PLATE CLIP ANGLES ON ALL INTERIOR NON-LOAD BEARING MASONRY PARTITION WALLS. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL MASONRY PARTITION WALLS.



8 INFILL DETAIL
 3/4" = 1'-0"
 NOTES:
 1. VERIFY SIZE, QUANTITY AND LOCATION OF INFILL WITH MEP CONTRACTORS.

REVISED FOR BIDDING	10/27/15
Revisions:	Date

CONSULTANTS:
 HEALTHCARE PLANNERS: VOA ARCHITECTS
 MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
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FRAMING DETAILS
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Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number **549-130**
 Building Number **1**
 Drawing Number **SS503**
 Dwg. 58 of 142

Office of Facilities Management
