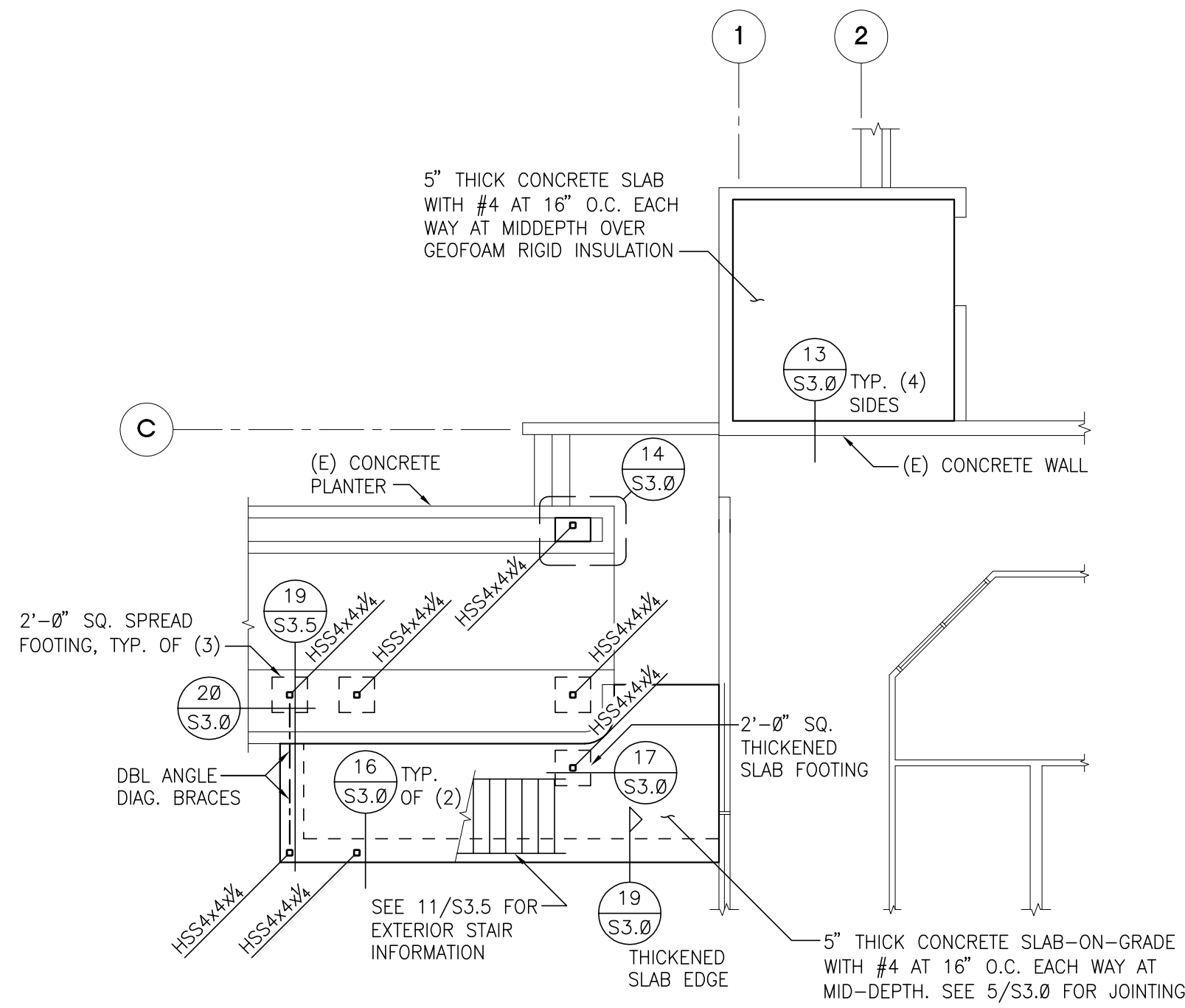


12 8 4 0 SCALE: 3/4"=1'-0"

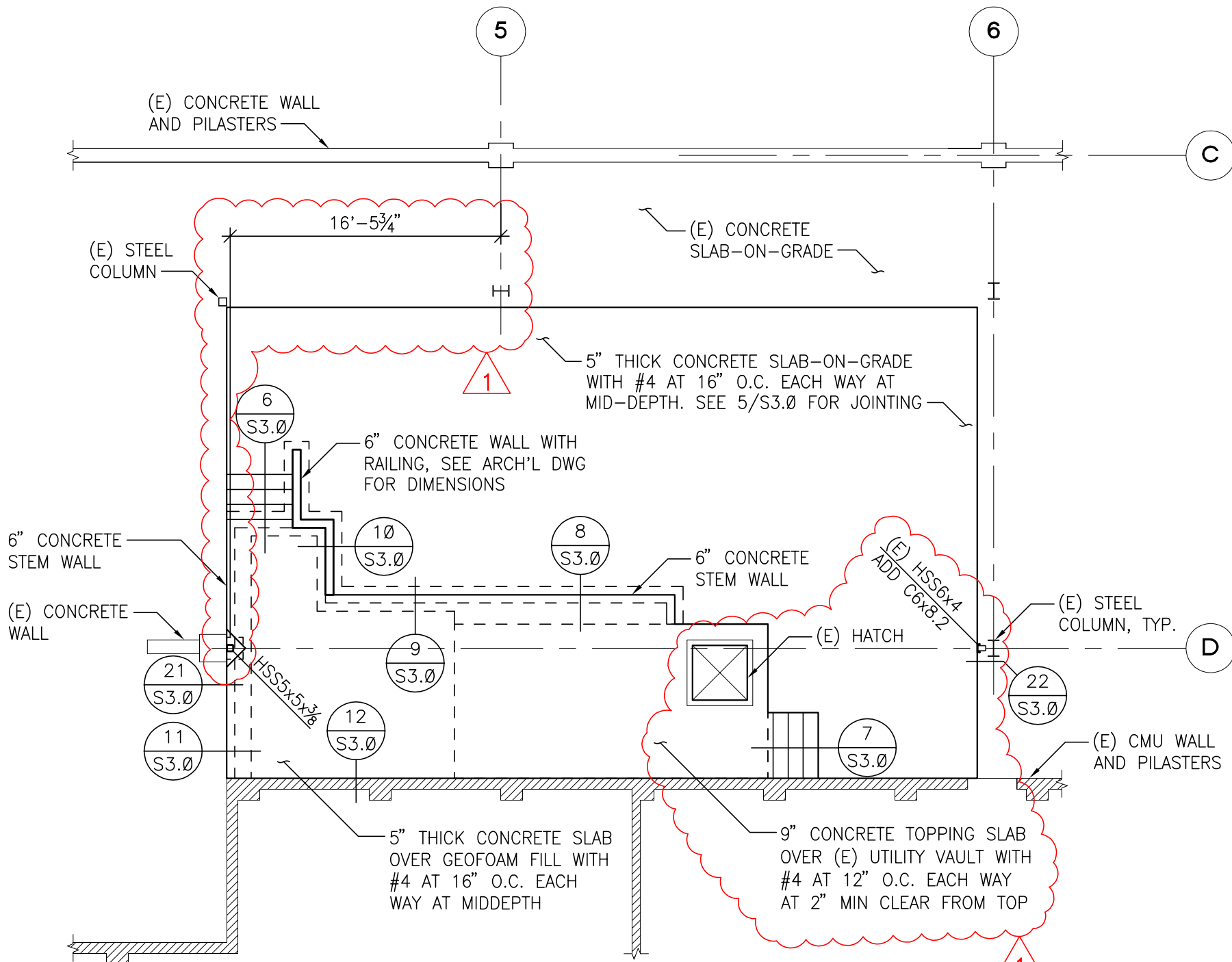
12 8 4 0 SCALE: 1/2"=1'-0"

12 8 4 0 SCALE: 1/4"=1'-0"

12 8 4 0 SCALE: 1/8"=1'-0"



**A**  
S1.0  
PARTIAL STRUCTURAL 1ST FLOOR PLAN  
1/8"=1'-0"



**B**  
S1.0  
PARTIAL STRUCTURAL 1ST FLOOR PLAN  
1/8"=1'-0"

**STRUCTURAL 1ST FLOOR PLAN NOTES:**

- SEE SHEET S1.0 FOR STRUCTURAL GENERAL NOTES AND INSPECTION REQUIREMENTS.
- SEE SHEET S3.0 FOR TYPICAL FOUNDATION AND CONCRETE DETAILS.
- VERIFY ALL DIMENSIONS, FINISH FLOOR ELEVATIONS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL DRAWINGS.
- TYPICAL SLAB-ON-GRADE SHALL BE 5" THICK CONCRETE WITH #4 REBAR AT 16" O.C. EACH WAY AT MIDDPTH. SEE S/53.0 FOR JOINTING AND ADDITIONAL INFORMATION.

**STRUCTURAL TESTS, INSPECTIONS AND OBSERVATIONS:**

- AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE CONTRACTOR TO PERFORM STRUCTURAL TESTS AND INSPECTIONS. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED BY THE CONTRACT DOCUMENTS.
- IF INITIAL TESTS OR INSPECTIONS MADE BY THE TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
- ITEMS INDICATED WITH A "✓" IN THE ACCOMPANYING TABLES REQUIRE TESTS AND INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHAPTER "STRUCTURAL TESTS AND SPECIAL INSPECTIONS" OF THE CODE OF THE GOVERNING JURISDICTION AS NOTED IN THE GENERAL SECTION OF THESE GENERAL NOTES (2010 OSSC, SECTION 1701). ADDITIONAL ITEMS AND REQUIREMENTS FOR TESTS AND INSPECTIONS ARE IDENTIFIED IN THE SPECIFICATIONS.
- INSPECTION REPORTS ARE TO BE SUBMITTED TO THE VA.
- TO ALLOW FOR STRUCTURAL OBSERVATION, THE CONTRACTOR SHALL NOTIFY THE VA A MINIMUM OF 48 HOURS PRIOR TO PLACING CONCRETE IN THE FOLLOWING LOCATIONS:  
FOOTINGS  
ELEVATED SLAB ON METAL DECK
- DEFINITIONS:  
CONTINUOUS INSPECTION: THE INSPECTOR SHOULD BE CONTINUOUSLY PRESENT DURING THE NOTED CONSTRUCTION OPERATION.  
PERIODIC INSPECTION: THE INSPECTOR SHALL INSPECT THE NOTED WORK BEFORE IT IS INCORPORATED TO THE PROJECT.

CONCRETE CONSTRUCTION INSPECTION SCHEDULE				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT:	—	✓	ACI 318: 3.5, 7.1–7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH IBC TABLE 1704.3, ITEM 5B.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS BEING USED.	✓	—	ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	—	✓	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	—	✓	ACI 318: CH. 4, 5.2–5.4	1904.2.2, 1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	✓	—	ASTM C 172 ASTM C31 ACI 318: 5.6, 5.8	1913.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	✓	—	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	✓	ACI 318: 5.11–5.13	1913.9
9. INSPECTION OF POST-TENSIONED CONCRETE:				
a. APPLICATION OF POST-TENSIONING FORCES.	—	—	ACI 318: 18.20 ACI 318: 18.18.4	—
b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	—	—	—	—
10. ERECTION OF PRECAST CONCRETE MEMBERS.	—	—	ACI 318: CH. 16	—
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	—	—	ACI 318: 6.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	✓	ACI 318: 6.1.1	—
13. INSPECTION OF SHOTCRETE TEST PANELS AND COMPRESSION TESTING OF PANEL CORES.	—	—	ACI 506.2 ASTM C1140	—

STEEL CONSTRUCTION INSPECTION SCHEDULE				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:	—	✓	—	—
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	—	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360, SECTION A3.3	—
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	—	—	—
2. INSPECTION OF HIGH-STRENGTH BOLTING:	—	✓	—	—
a. BEARING-TYPE CONNECTIONS.	—	✓	—	—
b. SLIP-CRITICAL CONNECTIONS.	—	✓	AISC 360 SECTION M2.5	1704.3.3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	✓	AISC 360, SECTION M2.5 OR APPLICABLE ASTM MATERIAL STANDARD	1708.4
b. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	—	✓	ASTM A 6 OR ASTM A 568	—
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	✓	AISC 360, SECTION A3.5 AND APPLICABLE AWS AS DOCUMENTS	—
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	—	—	—
5. INSPECTION OF WELDING:				
a. STRUCTURAL STEEL:	—	—	—	—
1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	✓	—	—	—
2) MULTIPASS FILLET WELDS.	✓	—	—	—
3) SINGLE-PASS FILLET WELDS $> \frac{5}{16}$ "	—	—	AWS D1.1	1704.3.1
4) SINGLE-PASS FILLET WELDS $\leq \frac{5}{16}$ "	—	✓	—	—
5) FLOOR AND DECK WELDS.	—	✓	AWS D1.3	—
6) WELDED STUDS.	—	✓	—	—
7) WELDED SHEET STEEL FOR COLD-FORMED STEEL FRAMING MEMBERS.	—	✓	—	—
b. REINFORCING STEEL:	—	—	—	—
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	—	✓	—	—
2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3) SHEAR REINFORCEMENT.	—	—	—	—
4) OTHER REINFORCING STEEL.	—	—	—	—
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
a. DETAILS SUCH AS BRACING AND STIFFENING.	—	✓	—	—
b. MEMBER LOCATIONS.	—	✓	—	—
c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	—	✓	—	1704.3.2

ABBREVIATIONS	
AB	ANCHOR BOLT
ABV	ABOVE
ARCH'L	ARCHITECTURAL
ATR	ALL THREAD ROD
BM	BEAM
BOT	BOTTOM
CGS	CENTER OF GRAVITY OF STRAND
CMU	CONCRETE MASONRY UNIT
CJP	COMPLETE JOINT PENETRATION
DBL	DOUBLE
DIA	DIAMETER
EMB	EMBEDMENT
E.S.	EACH SIDE
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
HD	HOLDDOWN
HDC	HOT-DIP GALVANIZE
HSS	HOLLOW STRUCTURAL SHAPE
ID	INSIDE DIAMETER
JST	JOIST
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
NA	NEUTRAL AXIS
NS	NON-SHRINK
OC	ON CENTER
OD	OUTSIDE DIAMETER
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
SC	SLIP CRITICAL
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL

**STRUCTURAL GENERAL NOTES:**

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND CORRELATION OF ALL DIMENSIONS, ELEVATIONS, AND OPENINGS ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS. NOTIFY THE VA OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO STARTING CONSTRUCTION.

THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINAL STRUCTURE AND UNLESS INDICATED OTHERWISE, THEY DO NOT SPECIFY THE METHOD OF CONSTRUCTION.

ALL TYPICAL DETAILS AND NOTES SHOWN ON DRAWINGS SHALL APPLY, UNLESS NOTED OTHERWISE. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE IN GENERAL CONFORMANCE WITH CONSTRUCTION DETAILS OF A SIMILAR NATURE ELSEWHERE ON THE PROJECT.

THE STRUCTURAL DRAWINGS DO NOT REFLECT ALL OPENINGS THAT MAY BE REQUIRED FOR DUCTS, PIPES OR CONDUITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE OPENINGS WITH STRUCTURAL REQUIREMENTS.

**APPLICABLE CODES AND STANDARDS**

BUILDING CODE: 2009 INTERNATIONAL BUILDING CODE

ACI AMERICAN CONCRETE INSTITUTE, ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "STEEL CONSTRUCTION MANUAL, THIRTEENTH EDITION."

**STRUCTURAL DESIGN DATA**

LIVE LOADS: 100 PSF FLOOR  
35 PSF ROOF MECHANICAL ALLOWANCE

SNOW LOADS:  
DESIGN LOADS:  
FLAT ROOFS 25 PSF + DRIFT  
GROUND SNOW LOAD  $P_g = 15$  PSF  
SNOW EXPOSURE FACTOR  $C_e = 1.0$   
SNOW IMPORTANCE FACTOR  $I_s = 1.2$  FOR OCCUPANCY CATEGORY IV  
THERMAL FACTOR  $C_t = 1.0$

WIND LOADS:  
BASIC WIND SPEED: 95 MPH  
OCCUPANCY IMPORTANCE FACTOR= 1.15 FOR OCCUPANCY CATEGORY IV  
SITE EXPOSURE CATEGORY: C  
INTERNAL PRESSURE COEFFICIENT: +0.18 OR -0.18

SEISMIC LOADS:  
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE  
SEISMIC IMPORTANCE FACTOR (I): 1.5 FOR OCCUPANCY CATEGORY IV  
MAPPED SPECTRAL RESPONSE ACCELERATION:  $S_s=0.83$ ,  $S_1=0.42$   
SITE CLASS: B  
SPECTRAL RESPONSE COEFFICIENTS:  $S_{DS}=0.556$ ,  $S_{D1}=0.281$   
SEISMIC DESIGN CATEGORY: D  
BASIC SEISMIC-FORCE-RESISTING SYSTEM:  
UPPER STRUCTURE: BUCKLING RESTRAINED BRACE FRAME  
RESPONSE MODIFICATION FACTOR (R): 8  
DESIGN BASE SHEAR: 0.089 W  
LOWER STRUCTURE: SPECIAL CONCRETE SHEAR WALLS  
RESPONSE MODIFICATION FACTOR (R): 6  
DESIGN BASE SHEAR: 0.101 W

SPECIAL INSPECTIONS (IN ACCORDANCE W/ BUILDING CODE SECTION 1701)  
REPORTS TO BE SUBMITTED TO THE COTR. SEE NOTES AND INSPECTION TABLES ON THIS SHEET FOR ADDITIONAL INFORMATION.

ANCHORS INSTALLED IN CONCRETE  
REINFORCING STEEL INSTALLED IN CONCRETE  
DRILLED AND EPOXIED DOWELS  
ELEVATED SLABS ON METAL DECK  
FIELD WELDING  
FIREPROOFING

**FIREPROOFING:**

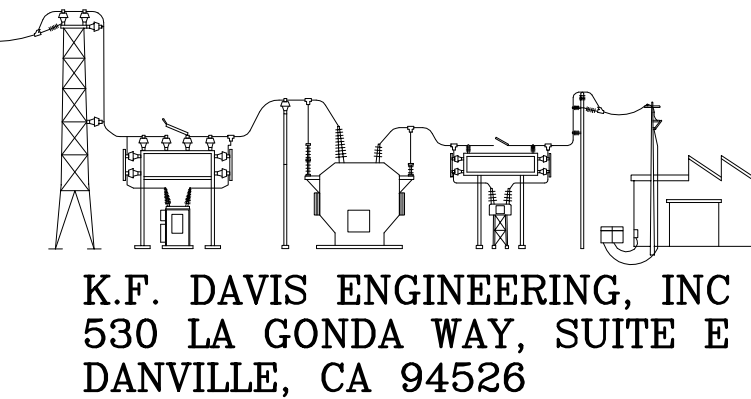
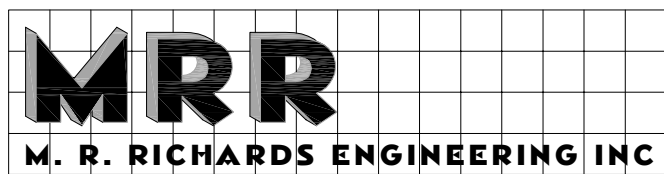
APPLY SPRAYED-ON FIREPROOFING AT ALL NEW STEEL BEAMS AND COLUMNS, TYPICAL. FIREPROOFING IS REQUIRED WHETHER OR NOT SHOWN ON THE DRAWINGS. SPRAYED-ON FIREPROOFING IS ALSO REQUIRED AT EXISTING STEEL CONSTRUCTION WHERE INDICATED, SEE SPECIFICATIONS.

**FIRE STOPPING:**

ANY PENETRATIONS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE SPECIFICATION 07 84 00.

**STRUCTURAL DRAWING INDEX:**

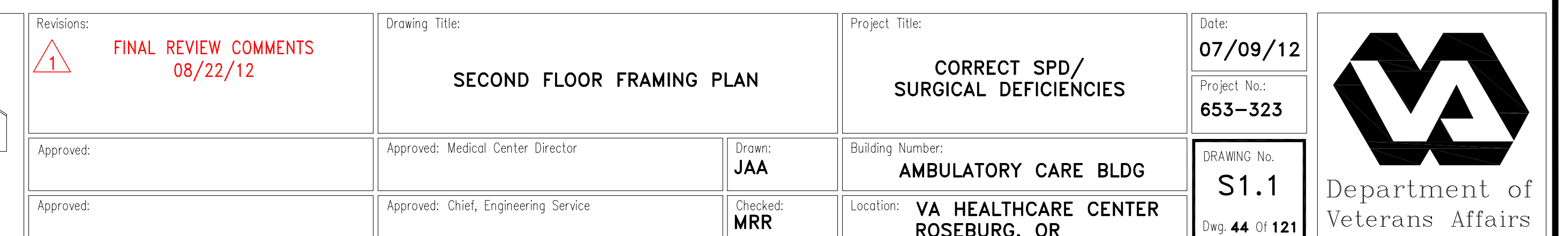
S1.0 STRUCTURAL GENERAL NOTES, INSPECTION SCHEDULES AND 1ST FLOOR PLANS  
S1.1 FLOOR PLAN  
S1.2 ROOF PLAN  
S3.0 DETAILS  
S3.1 DETAILS  
S3.2 DETAILS  
S3.3 DETAILS  
S3.4 DETAILS  
S3.5 STAIR PLAN AND DETAILS



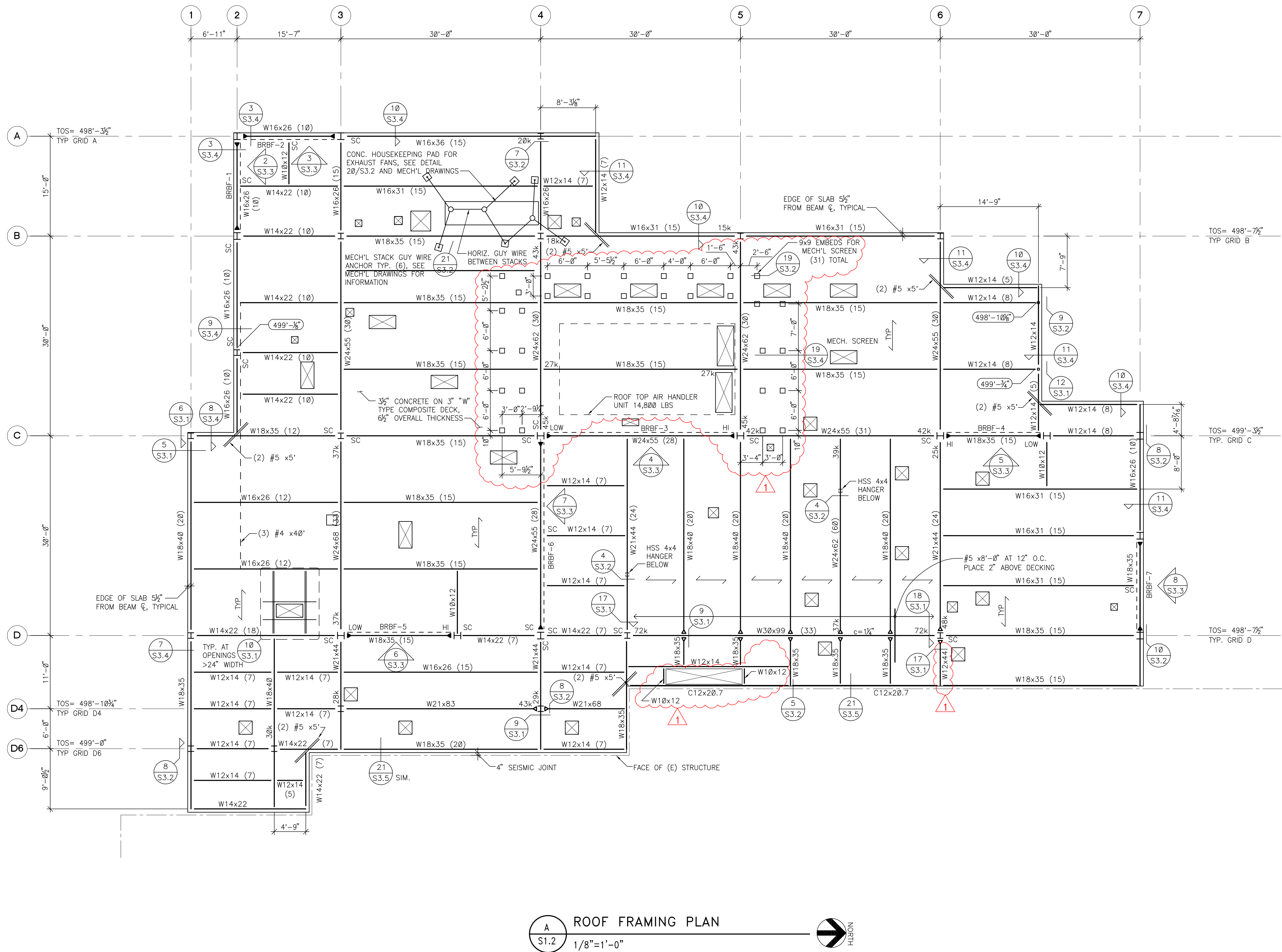
Revisions: △ FINAL REVIEW COMMENTS 08/22/12	Drawing Title: STRUCTURAL GENERAL NOTES, INSPECTION SCHEDULES AND 1ST FLOOR PLANS	Project Title: CORRECT SPD/ SURGICAL DEFICIENCIES	Date: 07/09/12 Project No.: 653-323
Approved:	Approved: Medical Center Director	Drawn: JAA	Building Number: AMBULATORY CARE BLDG
Approved:	Approved: Chief, Engineering Service	Checked: MRR	Location: VA HEALTHCARE CENTER ROSEBURG, OR
			DRAWING No. S1.0 Date: 07/12/12





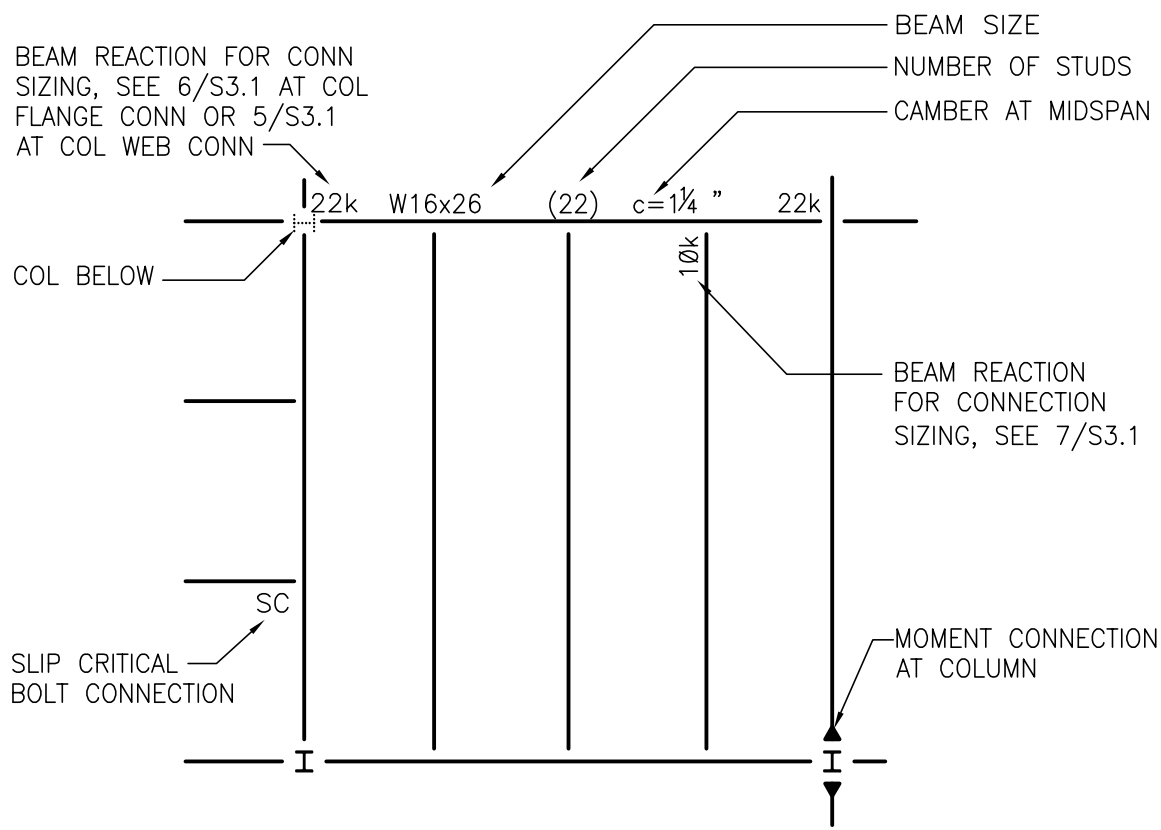






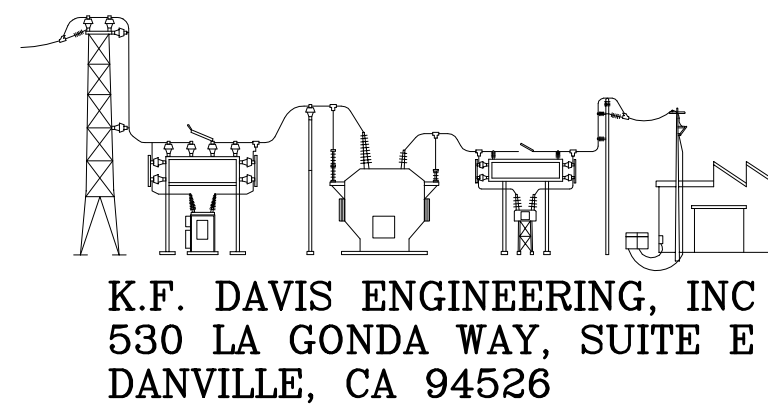
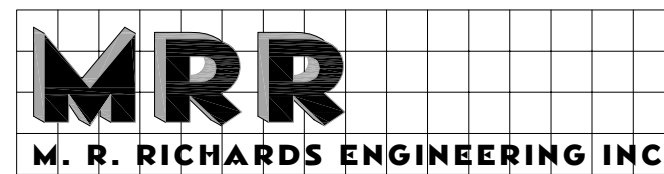
- PLAN NOTES:
- SEE SHEET S3.1 FOR GENERAL FRAMING DETAILS.
  - ROOF DECK IS 3/8" CONCRETE SLAB ON 3" 18 GA "W" TYPE COMPOSITE DECK. 6/8" OVERALL THICKNESS. REINFORCE WITH WWF 6x6 W2x2.9.
  - STEEL BEAMS ARE 6/8" BELOW TOP OF SLAB UNLESS NOTED OTHERWISE.
  - SEE MECHANICAL DRAWINGS AND DETAIL 20/S3.2 FOR CONCRETE MECHANICAL HOUSEKEEPING PAD INFORMATION.
  - SEE ARCHITECTURAL DRAWING A3.3 FOR ADDITIONAL INFORMATION ON MECHANICAL SCREEN.

- LEGEND
- BRBF BUCKING RESTRAINED BRACE FRAME SEE 1/S3.3
  - SEISMIC MOMENT RESISTING CONNECTION, SEE 21/S3.1 AND 22/S3.1
  - GRAVITY MOMENT CONNECTION AT BEAM, SEE 9/S3.1
  - METAL DECK SPAN DIRECTION
  - SC SLIP CRITICAL BOLT CONNECTION
  - ROOF DECK PENETRATION SEE ARCHITECTURAL AND MECHANICAL FOR SIZE AND LOCATION, SEE 10/S3.1 AND 11/S3.1
  - GUY WIRE POST FOR MECHANICAL STACK, SEE 21/S3.2
  - TOS TOP OF STEEL



- NOTES:
- NO REACTION AT EITHER END INDICATES MINIMUM CONNECTION FOR BEAM DEPTH. SEE 4/S3.1
  - SPACE STUDS PER 3/S3.1
  - POSITIVE CAMBER UPWARDS, NEGATIVE CAMBER DOWNWARDS.
  - BEAMS ARE TO BE EQUALLY SPACED BETWEEN GRIDS OR DIMENSIONED POINTS.
  - SEE 2/S3.1 FOR TYPICAL DECK ATTACHMENT.
  - FOR DECK PENETRATIONS SEE 10/S3.1 AND 11/S3.1

STEEL FRAMING LEGEND  
N.T.S.



Revisions: FINAL REVIEW COMMENTS 08/22/12	Drawing Title: ROOF FRAMING PLAN	Project Title: CORRECT SPD/ SURGICAL DEFICIENCIES	Date: 07/09/12
Approved:	Approved: Medical Center Director	Drawn: JAA	Project No.: 653-323
Approved:	Approved: Chief, Engineering Service	Checked: MRR	Drawing No.: S1.2
		Building Number: AMBULATORY CARE BLDG	Day: 45 of 121
		Location: VA HEALTHCARE CENTER ROSEBURG, OR	



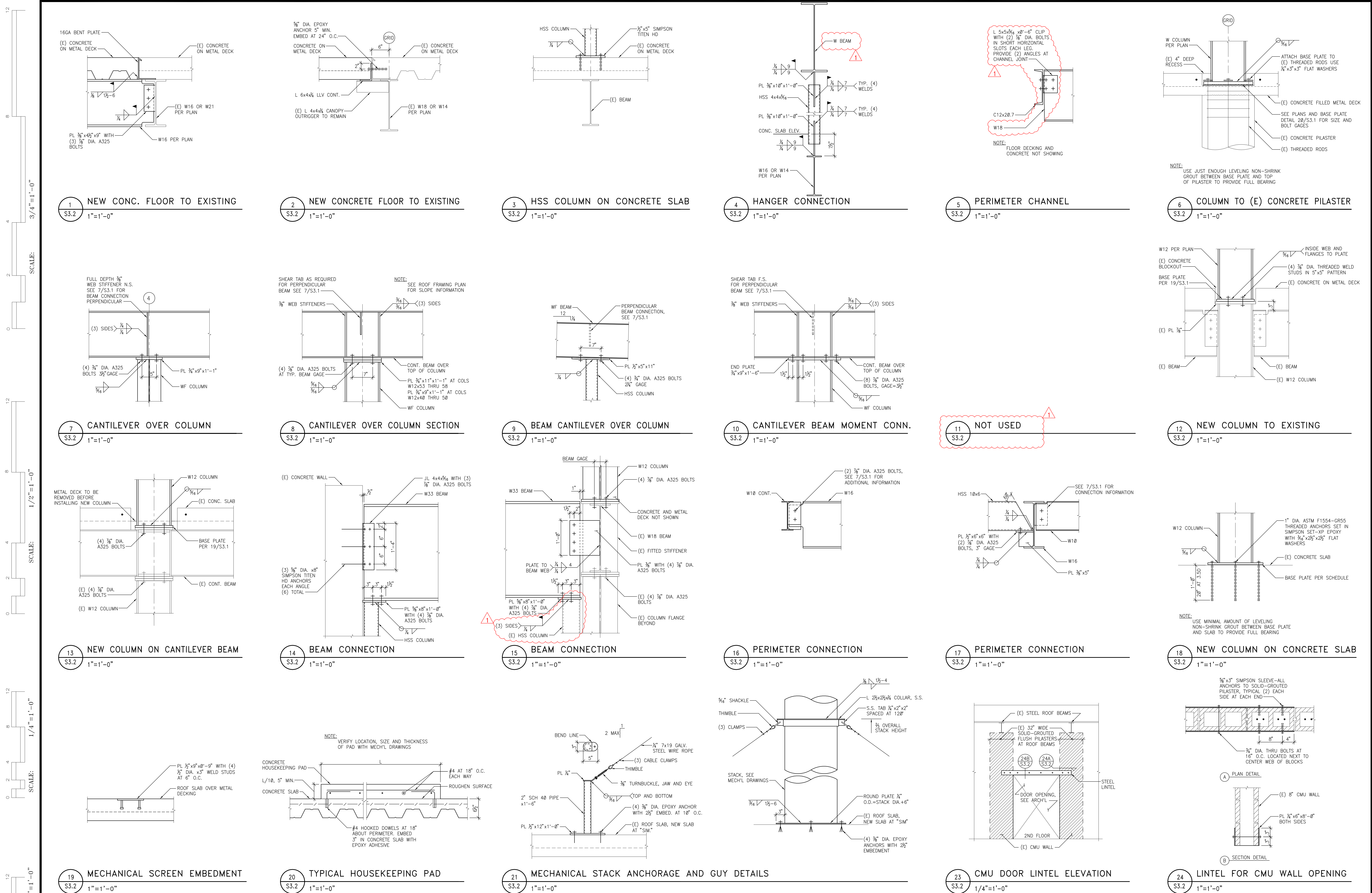




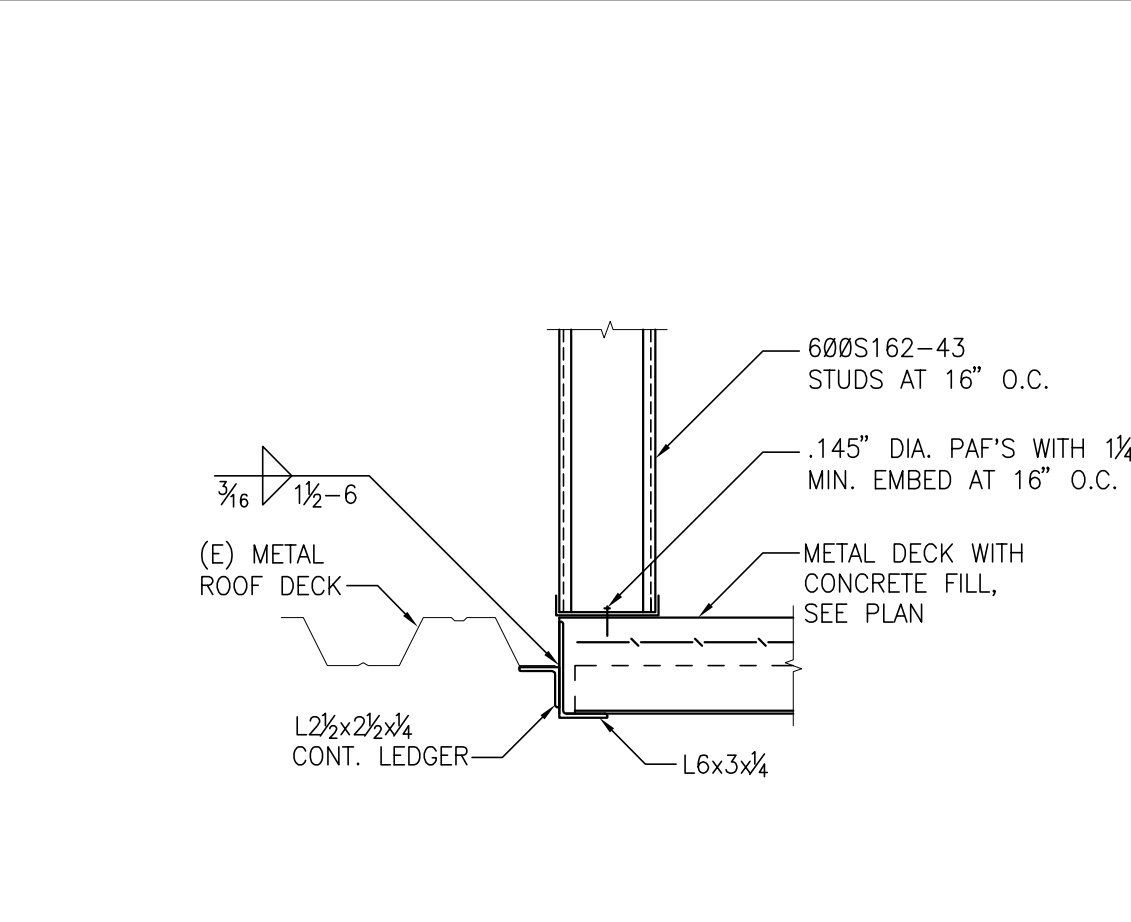




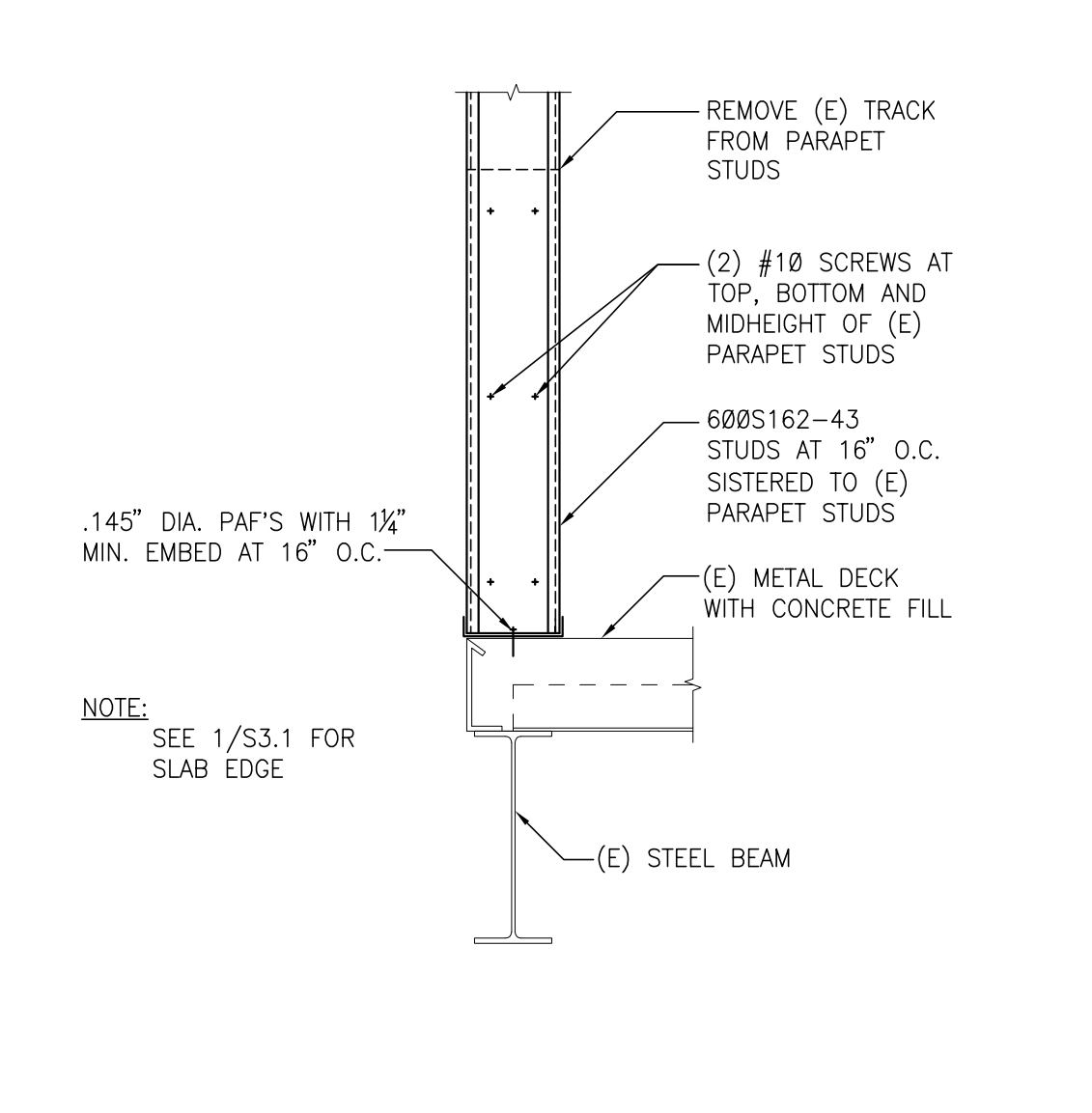




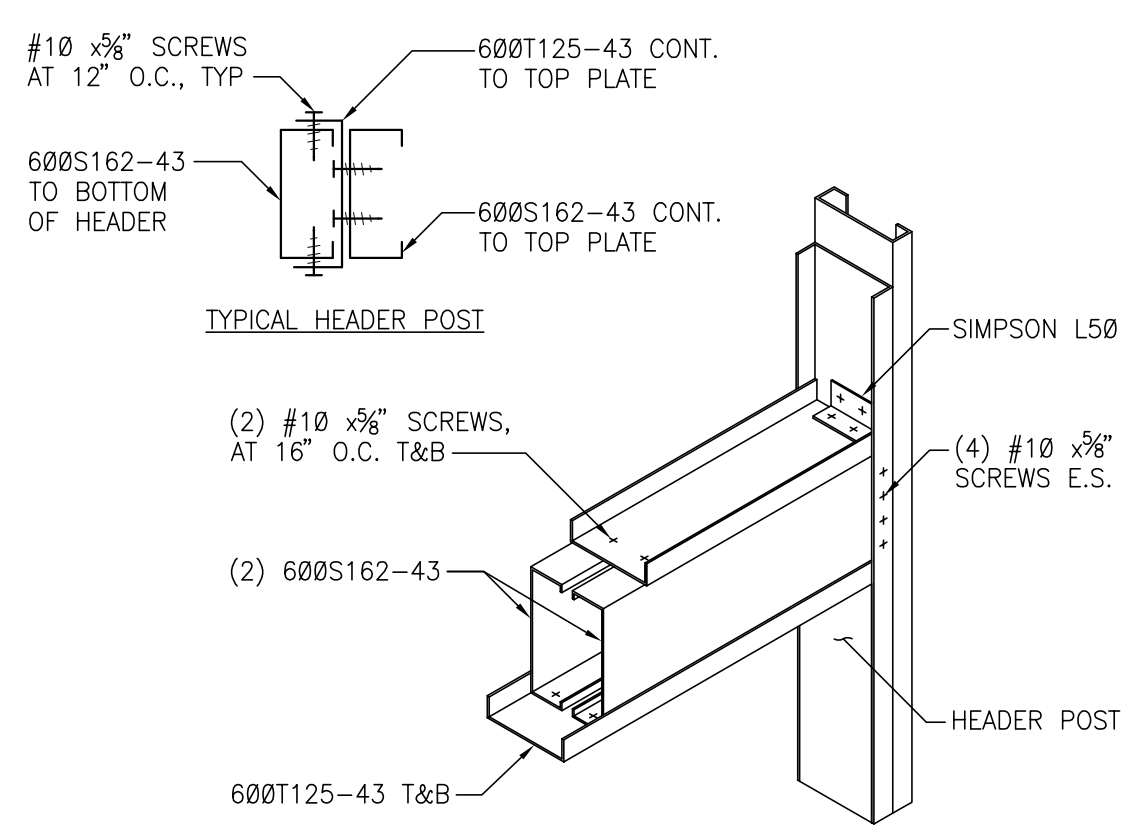




6 FRAMING DETAIL  
S3.4 1"=1'-0"



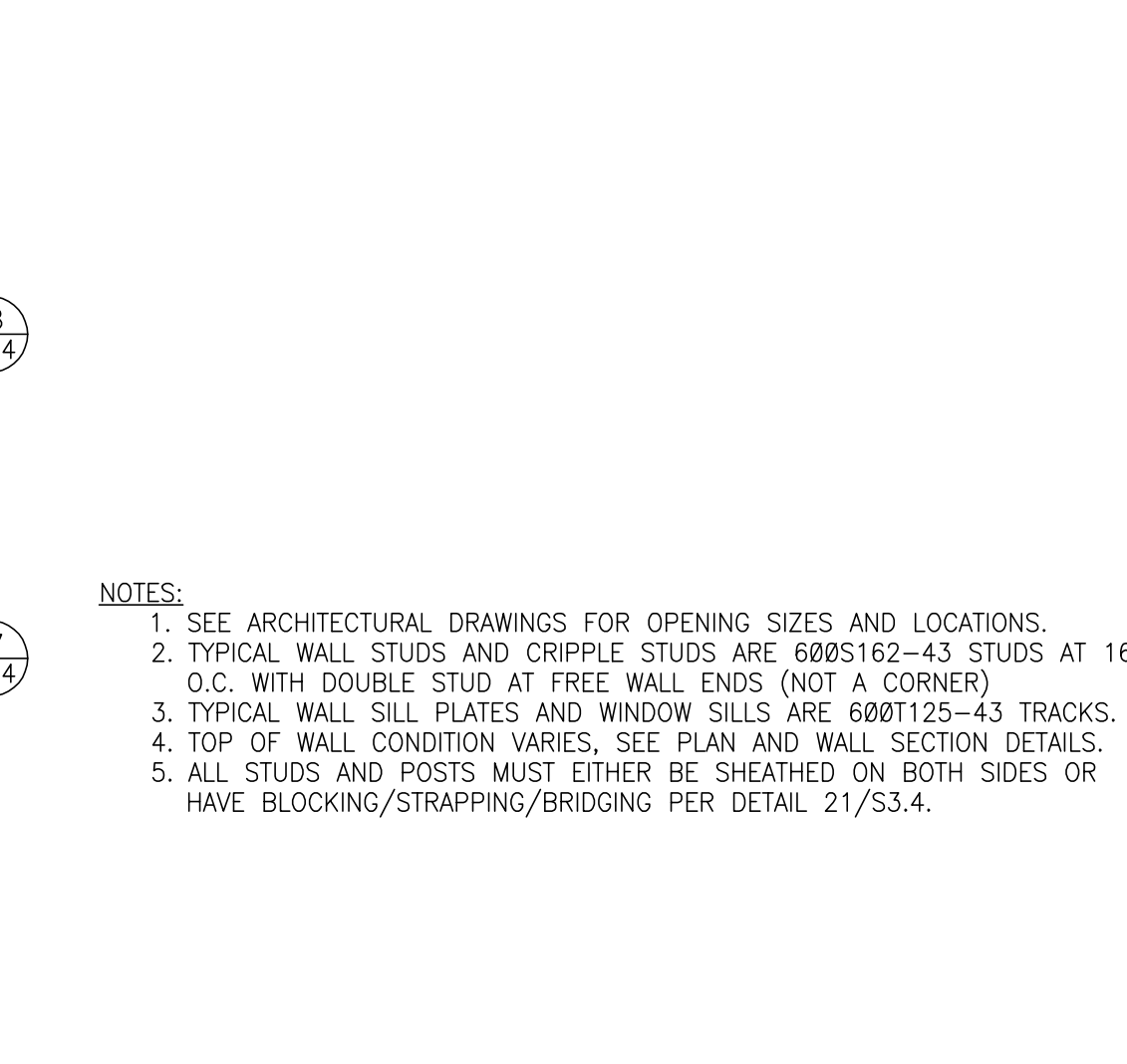
12 FRAMING DETAIL  
S3.4 1"=1'-0"



18  
S3.4

DETAIL: HEADER IN STEEL STUD WALL

N.T.S.



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