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GENERAL NOTES

I. GENERAL

1. MATERIALS AND WORKMANSHIP TO CONFORM WITH THE FEBRUARY 2011 EDITION OF THE VA SEISMIC DESIGN REQUIREMENTS H-18-8 AND THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

2. REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURERS' INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.

3. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE V.A. REPRESENTATIVE.

4. DETAILS ON SHEETS TITLED "TYPICAL DETAILS" APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. SUCH DETAILS ARE NOT NOTED AT EACH LOCATION THAT THEY OCCUR.

5. THE SEISMIC LOAD RESISTING SYSTEM (SLRS) INCLUDES THE REDUCED BEAM SECTION SPECIAL STEEL MOMENT FRAMES SHOWN IN SHEET SF102-8 & SF103-8, COLLECTOR MEMBERS AS SHOWN IN SHEET SF102-8 & SF103-8 AND GRADE BEAMS AS SHOWN IN SHEET SB101-8. SEE ALSO OTHER ITEMS NOTED <SLRS>.

6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE V.A. REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.

7. DO NOT SCALE THE DRAWINGS. PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHOM IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC., VISITS TO THE SITE BY THE V.A. REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.

8. INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE V.A. REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE V.A. REPRESENTATIVE.

9. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL AND PLUMBING TRADES. SUBMIT FINAL SIZING AND LOCATION REQUIREMENTS OF OPENINGS TO THE V.A. REPRESENTATIVE FOR REVIEW.

10. REFERENCE DATUM FOR THE ELEVATIONS IS 4470.11 FOR TOP OF EXISTING SLAB PER "THE RENO VERTICAL CONTROL SYSTEM ELEVATION DIRECTORY" PER ORIGINAL STRUCTURAL DRAWINGS TOP OF SLAB IS 4466.8.

11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THIS WORK.

II. FOUNDATION AND SITE WORK

1. THE DESIGN OF THE FOUNDATION SYSTEM IS BASED UPON THE GEOTECHNICAL CRITERIA CONTAINED IN A GEOTECHNICAL REPORT FOR THE NEW CLC BUILDING DATED NOVEMBER 16, 2011 WITH ADDENDUM DATED APRIL 27, 2012.

2. GROUNDWATER WAS NOT ENCOUNTERED DURING SITE INVESTIGATION, BORINGS WERE DRILLED TO DEPTHS OF 15 FEET.

3. LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.

4. REMOVE ABANDONED FOOTINGS, UTILITIES, ETC., WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.

5. NOTIFY THE V.A. REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., ARE FOUND.

6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.

7. REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE AND MAINTAIN EXCAVATION BOTTOM AND SIDES IN A MOST CONDITION.

8. EXCAVATIONS FOR FOUNDATIONS MUST BE ACCEPTED BY THE V.A. SITE REPRESENTATIVE PRIOR TO PLACING REINFORCING AND CONCRETE. NOTIFY THE OWNERS SITE REPRESENTATIVE WHEN EXCAVATIONS ARE READY FOR INSPECTION.

9. PLACE BACKFILL BEHIND RETAINING WALLS AFTER CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. BRACE BUILDING AND PITY WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHED FLOORS AND SLABS ON GRADE ARE COMPLETE AND HAVE ATTAINED FULL DESIGN STRENGTH.

10. MECHANICALLY COMPACT EXCAVATION BACKFILLS IN LAYERS. PROVIDE MINIMUM COMPACTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

III. SUBMITTALS

1. SUBMIT COPIES OF REQUIRED SUBMITTALS TO V.A. REPRESENTATIVE IN ACCORDANCE WITH DIVISION 1 OF THE SPECIFICATIONS.

2. CONCRETE REINFORCING STEEL:

A. SUBMIT CERTIFIED MATERIAL CERTIFICATES FOR REINFORCING STEEL SIGNED BY THE MANUFACTURER AND CONTRACTOR.

B. SUBMIT SHOP DRAWINGS FOR FABRICATION, BENDING AND PLACEMENT OF CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 315 DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.

3. CAST-IN-PLACE CONCRETE:

A. SUBMIT MIX DESIGNS PREPARED, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEVADA FOR EACH CLASS OF CONCRETE. INCLUDE RESULTS OF SLUMP, SHRINKAGE AND COMPRESSION TESTS USED TO ESTABLISH MIX PROPORTIONS. ALSO INCLUDE CERTIFIED MATERIAL CERTIFICATES FOR EACH COMPONENT OF THE MIX.

B. SUBMIT PROPOSED CONSTRUCTION JOINT LOCATIONS FOR REVIEW.

C. SUBMIT PRODUCT DATA FOR CURING MATERIALS.

D. SUBMIT PRODUCT DATA FOR NON-SHRINK GROUT.

4. STRUCTURAL STEEL:

A. SUBMIT MILL CERTIFICATES FOR STRUCTURAL STEEL SHAPES INDICATING STRUCTURAL STRENGTH AND CHEMICAL COMPOSITION FOR EACH HEAT OF STEEL.

B. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION, INCLUDE AT A MINIMUM ASTM MATERIAL DESIGNATIONS, MEMBER SIZES, SIZES AND TYPES OF WELDS, SIZES AND TYPES OF BOLTS AND DIMENSIONS.

C. SUBMIT MILL CERTIFICATES FOR FASTENERS AND THREADED RODS.

D. SUBMIT WELDING PROCEDURE SPECIFICATION FOR EACH TYPE OF WELD TO BE USED AND PRODUCT DATA FOR WELDING ELECTRODES.

E. SUBMIT MANUFACTURERS PRODUCT DATA FOR PRIMER AND FINISH PAINT INCLUDING COLOR CHARTS.

5. METAL DECKING:

A. FOR EACH TYPE OF DECKING USED SUBMIT THE FOLLOWING:

1. MANUFACTURERS SPECIFICATIONS, INSTALLATION INSTRUCTIONS AND ICBO EVALUATION REPORT.

2. CERTIFICATES OF COMPLIANCE OR CERTIFIED MATERIAL CERTIFICATES FOR EACH HEAT OF STEEL.

B. SUBMIT MANUFACTURERS PRODUCT DATA FOR WELDING ELECTRODES.

C. SUBMIT MANUFACTURERS PRODUCT DATA FOR SHEAR CONNECTORS.

D. SUBMIT SHOP DRAWINGS SHOWING AT A MINIMUM LAYOUT, GAUGE, FINISH, TYPES OF DECK PANELS, ANCHORAGE AND FASTENING DETAILS, SUPPLEMENTARY FRAMING, EDGE OF DECK CLOSURES, CUT OPENINGS, DECK REINFORCEMENT AND OTHER ACCESSORIES.

6. MECHANICAL ANCHORS:

A. SUBMIT PRODUCT DATA FOR EACH TYPE OF ANCHOR USED.

IV. FORMWORK

1. DESIGN AND CONSTRUCT FORMWORK IN ACCORDANCE WITH ACI 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK AND ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE, U.O.N.

2. PROVIDE POUR POCKETS IN FORMS AND UNDER EXISTING STRUCTURAL MEMBERS AS REQUIRED TO PREVENT AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE EXISTING MEMBERS. CONCRETE CAST WITH AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE MEMBERS IS NOT ACCEPTABLE.

3. PROVIDE 1/2 INCH X 1/2 INCH CHAMFER STRIPS ON ALL EXTERNAL CORNERS OF BEAMS, COLUMNS AND WALLS. UNLESS OTHERWISE NOTED.

4. REMOVE FORMS AND SHORES IN ACCORDANCE WITH THE FOLLOWING:

LOCATION	REMOVE FORMS AND SHORES NO SOONER THAN
BOTTOM FORMS AND SHORES FOR MILDLY REINFORCED SLABS, BEAMS AND GIRDERS	7 DAYS, AND FC = 3500 PSI MINIMUM
SIDE FORMS FOR BEAMS AND GIRDERS	72 HOURS
COLUMNS AND WALLS	72 HOURS
FOOTINGS, PILE CAPS, AND GRADE BEAMS	48 HOURS

5. PROVIDE CURING WHERE FORMS ARE REMOVED IN LESS THAN 7 DAYS INCLUDING BUT NOT LIMITED TO WALLS, COLUMNS, AND UNDERSIDE OF ELEVATED SLABS.

V. REINFORCING STEEL

1. FABRICATE AND PLACE REINFORCING STEEL IN ACCORDANCE WITH ACI 315 DETAILS AND DETAILING CONCRETE REINFORCING AND ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE, U.O.N.

2. REINFORCING TO CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

LOCATION	TYPE
REINFORCING STEEL #7 AND SMALLER	ASTM A615, 60 KSI
REINFORCING STEEL #8 AND LARGER	ASTM A615, 60 KSI
REINFORCING STEEL TO BE WELDED	ASTM A706, 60 KSI
WELDED STEEL WIRE FABRIC	ASTM A186, 70 KSI
SMOOTH DOWELS IN SLAB ON GRADE	ASTM A36, 36 KSI

3. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATION AND SPACING OF REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS AT A MAXIMUM 3-FOOT SPACING.

4. MECHANICAL COUPLERS, LENTON THREADED OR INTERNAL COUPLERS BY ERICO, ICC ESR-3697, COLDWELD BY ERICO, ICC ESR-3667, XTENDER BY HEADED REINFORCEMENT CORPORATION, ICC ESR-2764, OR BARTEC MECHANICAL SPLICE BY DEXTRA, ICC ESR-1705, COUPLERS FOR BEAM AND SLAB BARS AT FORMED CONSTRUCTION JOINTS MAY BE LENTON FORM SAVERS BY ERICO, ICC ESR-3667.

NOTE: MECHANICAL COUPLERS TO DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR AND DEVELOP A MINIMUM OF 10 TIMES THE YIELD POINT STRAIN IN THE CONNECTED REINFORCING BARS.

5. WELD REINFORCING STEEL IN ACCORDANCE WITH AWS D1.1 USING QUALIFIED WELDERS.

6. TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.

7. PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE.

VI. CAST-IN-PLACE CONCRETE

1. PROPORTION, MIX, TRANSPORT AND PLACE CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE, U.O.N.

2. CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE OWNERS REPRESENTATIVE.

3. ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES. LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS. SUBMIT ALTERNATE JOINT LOCATIONS OR JOINTS NOT SHOWN TO THE OWNERS REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.

4. AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN CONTACT SURFACES TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.

5. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF ADDITIONAL CONCRETE CURBS AND HOUSEKEEPING PADS NOT SHOWN.

6. CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS, UNLESS OTHERWISE NOTED:

LOCATION	CLEAR COVER
CONCRETE PLACED AGAINST EARTH ARE DESIGNATED ARCHITECTUALLY EXPOSED STRUCTURAL STEEL (AESS)	3 INCHES
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:	
#6 BARS AND LARGER	2 INCHES
#5 BARS AND SMALLER	1 1/2 INCHES
SLABS ON GRADE (TOP CLEARANCES)	1 1/2 INCHES
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH:	
#5 & SMALLER	1/2 INCH
#6 & #7	1 INCH
#8, #9, #10 & #11	1 1/2 INCHES
#14 & #18	2 1/2 INCHES

7. CONCRETE TYPES:

CLASS	28-DAY STRENGTH	TYPE	WATER-CEMENT RATIO	MAX. AGGR. SIZE	LOCATION
B	3000 PSI	NORMAL WEIGHT	PER CONC. SPEC.	3/4 IN	MISC. CURBS, HOUSEKEEPING PADS, ETC.
C	4000 PSI	NORMAL WEIGHT	PER CONC. SPEC.	3/4 IN	SLABS ON GRADE FOUNDATIONS, BEAMS, GIRDERS, COLUMNS, WALLS
D	4000 PSI	LIGHT WEIGHT	PER CONC. SPEC.	3/4 IN	FILL ON METAL DECK (SEE NOTE BELOW)

NOTE: LIGHTWEIGHT CONC. FOR METAL DECK TOPPING TO HAVE MAX. SDD 120 POUNDS PER CUBIC FOOT.

8. CONTINUOUSLY MOIST CURE CONCRETE FOR 7 DAYS MINIMUM. WATER FOG SPRAYS, PONDING, SATURATED ABSORPTIVE COVERS, MOISTURE RETAINING COVERS OR CURING COMPOUNDS MAY BE USED, EXCEPT CURING COMPOUNDS ARE NOT ACCEPTABLE FOR SLABS ON GRADE.

9. CONCRETE FILL THICKNESS SHOWN ON THE FRAMING PLANS ARE MINIMAL THICKNESSES. NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR FRAME, DECK, OR FORMWORK DEFLECTIONS TO MAINTAIN SURFACE TOLERANCES SPECIFIED.

10. FINISH SCHEDULE:

- EXPPOSED SLABS IN PUBLIC AREAS: MEDIUM BROOM FINISH
- EXPPOSED SLABS IN NON-PUBLIC AREAS: FLOAT FINISH
- CONCEALED CONCRETE SURFACES: ROUGH FORMED
- FORMED SURFACE TO RECEIVE:
 - PAINT: SMOOTH FORMED
 - WATERPROOFING: FLOATED
 - PLASTER: ROUGH FORMED AND ROUGHENED BY SANDBLASTING
- SLABS TO RECEIVE:
 - RESILIENT FLOORING: TROWELED
 - CARPET OR MAT: TROWELED
 - BUILT-UP WATERPROOFING: FLOATED
 - FLUID APPLIED WATERPROOFING: TROWELED
 - TOPPINGS AND FILLS: SCRATCHED
- EXPPOSED STAIR FILLS: NONSLIP

- NON-SHRINK GROUT, 7000 PSI: EUCOID CHEMICAL COMPANY'S "EUCO-NS" L&M CRYSTEX MASTER BUILDERS' MASTERFLOW 713, OR FIVE STAR GROUT. WHERE HIGH FLUIDITY OR INCREASED PLACING TIME IS REQUIRED, USE EUCOID CHEMICAL COMPANY'S "EUCO H-FLOW GROUT" OR MASTER BUILDERS' MASTERFLOW 926.

VII. STRUCTURAL STEEL

1. FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. WELDED CONNECTIONS TO CONFORM TO AWS D1.1.

2. STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

SECTIONS	TYPE
ROLLED SHAPES	ASTM A992
WELDED FLANGES	ASTM A588
CHANNELS, ANGLES & OTHER	
PLATES	
COLUMN BASE PLATES	ASTM A572, GR 50
BRACE GUSSET PLATES	ASTM A572, GR 50
BEAM SHEAR CONNECTION PLATES	ASTM A36
COLUMN CONTINUITY PLATES	ASTM A572, GR 50
BEAM STIFFENER PLATES	ASTM A36
DECK CLOSURE PLATES	ASTM A36
OTHER	ASTM A572, GR 50
COLD FORMED HOLLOW STRUCTURAL SECTION (CIRCULAR HSS)	ASTM A500 GRADE B
STAINLESS STEEL SHAPES, PLATES AND BARS	ASTM A276
BOLTS	ASTM A325X
MACHINE BOLTS	ASTM A307
ANCHOR BOLTS	ASTM F1554
ANCHOR RODS	ASTM A36
THREADED ANCHOR ROD	ASTM A572, GR50
WELDED SHEAR CONNECTORS	ASTM A108, GRADE 1015 THROUGH 1020
WELDED THREADED STUDS	ASTM A108, GRADE 1015 THROUGH 1020
NUTS FOR BOLTS AND MACHINE BOLTS	ASTM A563
HARDENED WASHERS	ASTM F436
UNHARDENED WASHERS	ASTM F394
PLAIN WASHERS	ANSI B18.22.1
BEVELED WASHERS	ANSI B18.22.1

3. HOT DIP GALVANIZE IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780.

4. PRIME AND PAINT STRUCTURAL STEEL NOT HOT-DIP GALVANIZED. PRIOR TO PRIMING OR PAINTING, CLEAN STRUCTURAL STEEL IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL (SSPC) RECOMMENDATIONS AND AS REQUIRED BY THE PRIMER AND PAINT MANUFACTURERS.

5. IMMEDIATELY AFTER CLEANING, SHOP PRIME STRUCTURAL STEEL AT A RATE TO PROVIDE A DRY FILM THICKNESS OF NOT LESS THAN 2.0 MILS. ALSO PROVIDE TWO COATS OF FINISH PAINT IN THE SHOP AT A RATE TO PROVIDE A DRY FILM THICKNESS OF NOT LESS THAN 2.0 MILS PER COAT (4.0 MILS TOTAL). DO NOT SHOP PRIME OR PAINT MEMBERS OR PORTIONS OF MEMBERS IN CONTACT WITH CONCRETE. SURFACES THAT ARE TO BE FIELD WELDED OR FAYING SURFACES AT SLIP CRITICAL BOLTED CONNECTIONS, STEEL SURFACES THAT ARE TO BE FIELD WELDED SHOULD BE FIELD PRIMED AND PAINTED.

A. STRUCTURAL STEEL PRIMER TO BE MODIFIED ALKYL TMEMCO CO., INC.'S "SERIES F088 AZERON," INTERNATIONAL PROTECTIVE COATINGS' INTERPRIME 288, OR APPROVED EQUIVALENT. FINISH PAINT TO BE A DURABLE EXTERIOR GRADE PRODUCT THAT IS COMPATIBLE WITH PRIMER. VOLATILE ORGANIC COMPOUNDS (V.O.C.) SHOULD NOT EXCEED APPLICABLE LOCAL LIMITS SET BY AIR QUALITY REGULATIONS FOR THE CONDITIONS OF THE APPLICATION IN THE SUBJECT AREA.

7. STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO VIEW IN THE COMPLETED BUILDING ARE DESIGNATED ARCHITECTUALLY EXPOSED STRUCTURAL STEEL (AESS).

8. ARC-WELDING ELECTRODES/FILLER METALS TO BE LOW HYDROGEN TYPES EXXX, EXXXXX OR EXXXXX MINIMUM AS APPLICABLE. ELECTRODES WITH CHARTY VAPOR (CVN) TEST VALUES OF A MINIMUM 20 FOOT-POUNDS AT -20 DEGREES FAHRENHEIT ARE TO BE USED AT THE FOLLOWING LOADS:

- COMPLETE JOINT PENETRATION WELDS

- BEAM TO COLUMN MOMENT CONNECTIONS - INCLUDING FLANGE, WEB, AND CONTINUITY PLATE FILLET AND PARTIAL JOINT PENETRATION WELDS

- BRACE CONNECTIONS - INCLUDING BRACE, GUSSET, BASE PLATES, BEAM STIFFENER PLATES, AND CONTINUITY PLATE FILLET AND PARTIAL JOINT PENETRATION WELDS

- WELDS NOTED "CVN" ON THE DRAWINGS

9. WELDERS TO BE CERTIFIED BY AWS AND THE GOVERNING JURISDICTION.

10. WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.

11. PROVIDE NATURAL CAMBER UP, UNLESS NOTED OTHERWISE, EXCEPT AT CANTILEVERS. AT CANTILEVERS PROVIDE CAMBER SUCH THAT TIP OF CANTILEVER IS ABOVE FINAL ELEVATION.

12. SPLICE MEMBERS ONLY WHERE INDICATED.

VIII. METAL DECKING

1. METAL DECK TO BE VERO, VULCRUF OR BHP WITHOUT SUBSTITUTION, DESIGNATIONS ON DRAWINGS ARE BASED ON VERO CATALOGUE NUMBERS.

2. METAL ROOF DECK TO HAVE MINIMUM SECTION PROPERTIES SHOWN ON SHEET "TYPICAL METAL DECK DETAILS."

3. ALL ROOF DECK TO BE GALVANIZED IN ACCORDANCE WITH ASTM A653 COATING CLASS G60. REPAIR DAMAGED COATING.

4. WHERE POSSIBLE, LAYOUT METAL DECK TO SPAN AT LEAST THREE SPANS CONTINUOUSLY. TERMINATE ENDS OVER SUPPORTS EXCEPT AT OPENINGS OR BUILDING EDGES WHERE METAL DECKS MAY BE CANTILEVERED AS SHOWN.

5. SECURE ROOF METAL DECK TO THE STEEL FRAMEWORK AND TOGETHER AS SHOWN. UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS, MINIMUM DECK ATTACHMENT SHALL BE AS FOLLOWS:

1/2" EFFECTIVE DIAMETER PUDDLE WELDS AT 12" O.C. AT TRANSVERSE AND PERIMETER SUPPORTS. 1/2" EFFECTIVE DIAMETER PUDDLE WELDS AT 16" O.C. AT LONGITUDINAL SUPPORTS. 3/16" BUTT JUNCTION OR 1/2" TOP SEAM WELD AT 36" O.C. AT SIDE LAP CONNECTIONS.

IX. MECHANICAL ANCHORS

1. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB TZ (ICC ESR-1917), SIMPSON STRONG-BOLT (ICC ESR-1771) OR ITW RED HEAD TRUBOLT (ICC ESR-2427). INSTALL ANCHORS IN ACCORDANCE WITH ICC REPORT.

2. PROVIDE STAINLESS STEEL FASTENERS FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS OTHERWISE NOTED.

3. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. CONSULT ENGINEER BEFORE PROCEEDING. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.

4. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

5. MINIMUM EMBEDMENT OF ANCHORS, UNLESS OTHERWISE NOTED:

ANCHOR DIA.	WEDGE EMBEDMENT
1/4"	2
3/8"	2 1/2"
1/2"	3 1/2"
5/8"	4
3/4"	4 3/4"
1"	6"

6. ANCHORS WILL BE PROOF-TESTED BY OWNERS TESTING AND INSPECTION AGENCY.

7. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASSES, THEN RESUME INITIAL TESTING FREQUENCY.

8. APPLY TEST LOAD BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION ON THE ANCHOR SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, TORQUE WRENCH, OR CALIBRATED SPRING/LOADING DEVICES, ETC.

9. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.

10. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY A BASEPLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE THE FIXTURE PRIOR TO TESTING.

11. TEST 25% WEDGE OR SLEEVE ANCHORS PER ONE OF THE FOLLOWING METHODS:

A. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE SAME TORQUE MEASURED WITH A TORQUE WRENCH, AND THEN APPLY THE LOAD. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED AT THE TEST LOAD. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.

B. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE BELOW WITHIN THE FOLLOWING LIMITS:

1. FOR 3/8" SLEEVE ANCHORS, ONE-QUARTER TURN OF THE NUT. FOR OTHER SLEEVE ANCHORS, ONE-HALF TURN OF THE NUT.

TEST VALUES (HARD ROCK OR LIGHTWEIGHT CONCRETE)		
ANCHOR DIA. (IN)	TENSION LOAD (LBS)	TORQUE LOAD (FT-LBS)
1/4"	800	10
3/8"	1100	25
1/2"	2000	50
5/8"	2500	80
3/4"	3700	150
1"	5800	250

X. ADHESIVE ANCHORS AND DOWELS

1. ANCHORS AND DOWELS INSTALLED INTO CONCRETE: HIT HY-10 MAX-50 BY HILTI (ICC ESR 3010), HIT RE-500-SD BY HILTI (ICC ESR-2322), OR SET XP (ICC ESR-2508) WITHOUT SUBSTITUTION. EMBEDMENT DEPTH FOR ANCHORS AND DOWELS IS AS FOLLOWS, UNLESS OTHERWISE NOTED. THE TESTING LABORATORY WILL PERFORM TENSION TESTS ON 2% OF ANCHORS AND DOWELS TO THE FOLLOWING TEST LOADS:

ROD DIA OR BAR SIZE	EMBEDMENT	TEST LOAD	BASE MATERIAL
3/8"	4"	1800#	CONCRETE
1/2"	5"	3200#	CONCRETE
5/8"	6"	5000#	CONCRETE
3/4"	7"	7100#	CONCRETE
7/8"	9"	9100#	CONCRETE
1"	11"	12800#	CONCRETE
#3	5"	3000#	CONCRETE
#4	6 1/2"	5400#	CONCRETE
#5	8"	8400#	CONCRETE
#6	10"	11800#	CONCRETE
#7	12"	16200#	CONCRETE
#8	14"	21300#	CONCRETE

2. AN


BID DOCUMENTS

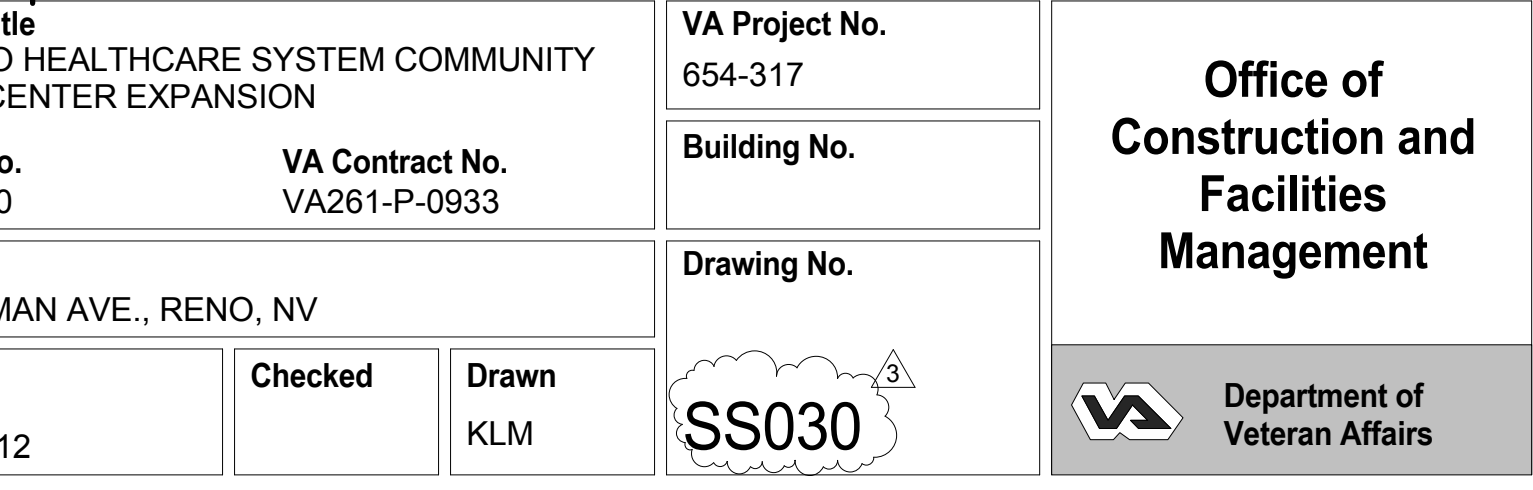
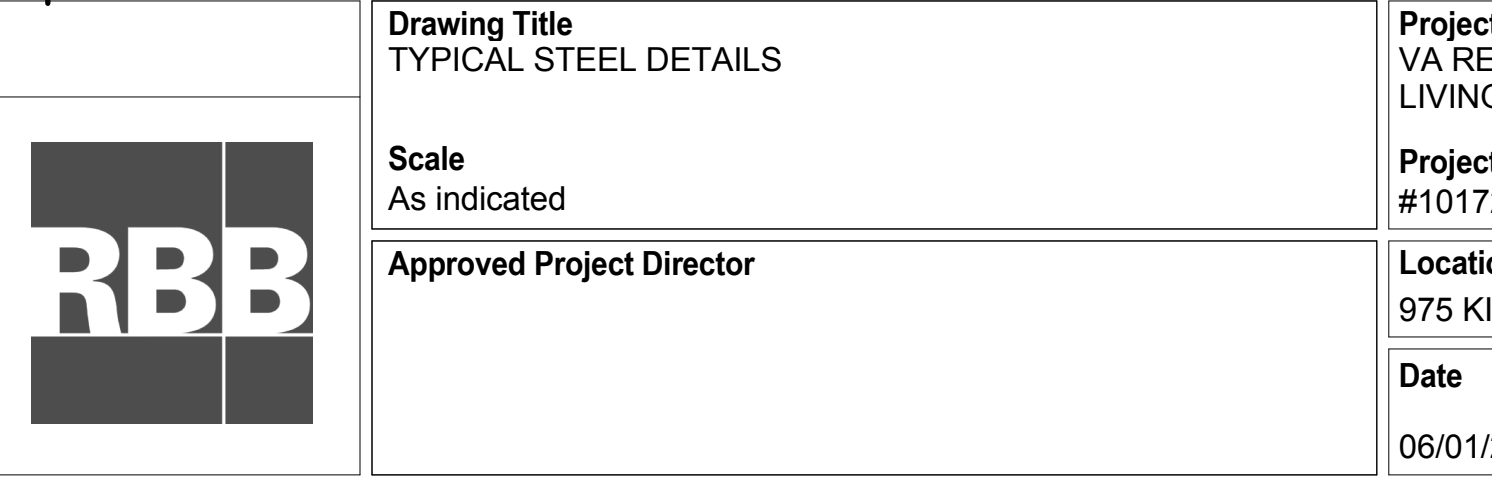
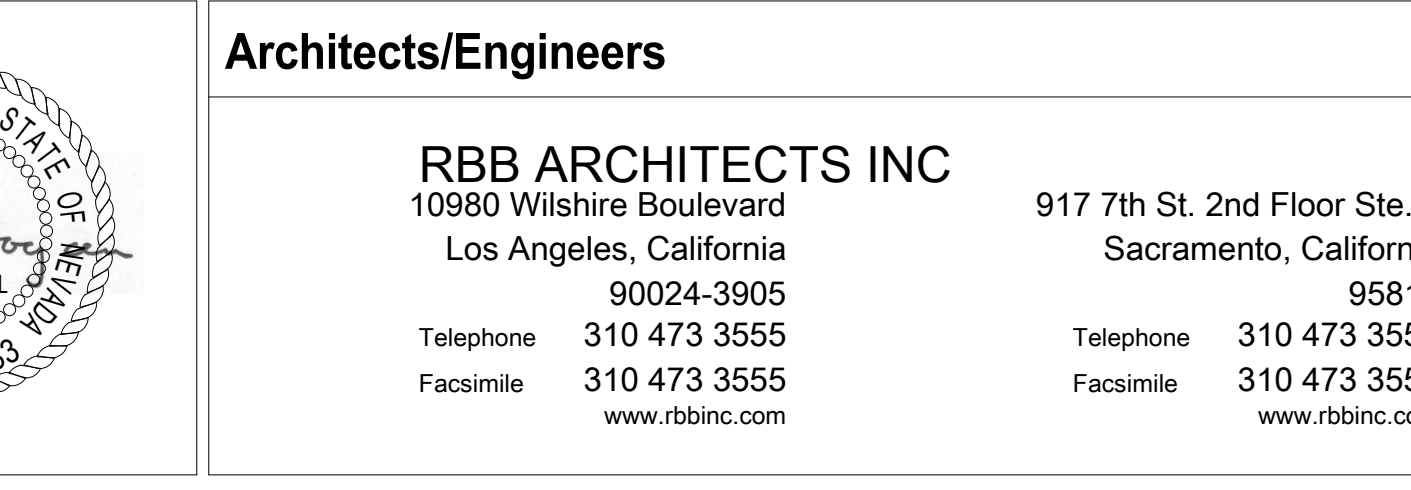
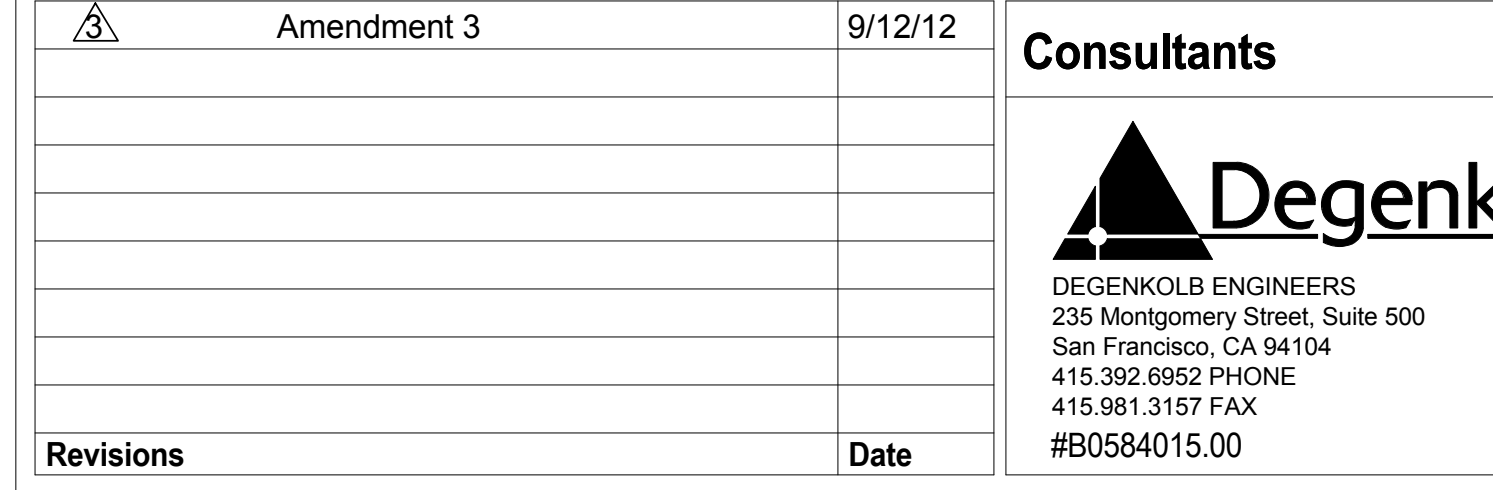
Department of
Veteran Affairs





**Office of
Construction and
Facilities
Management**

 **Department of
Veteran Affairs**

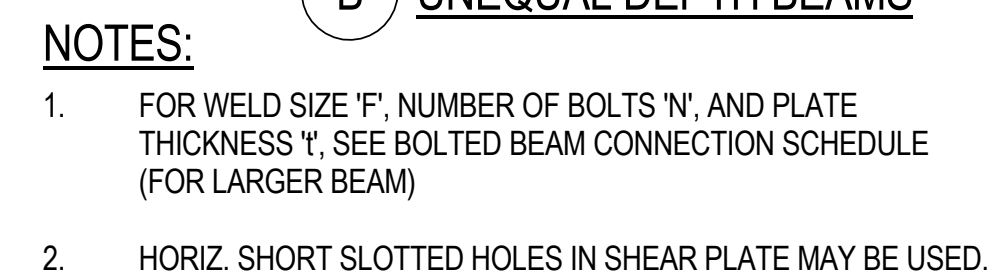


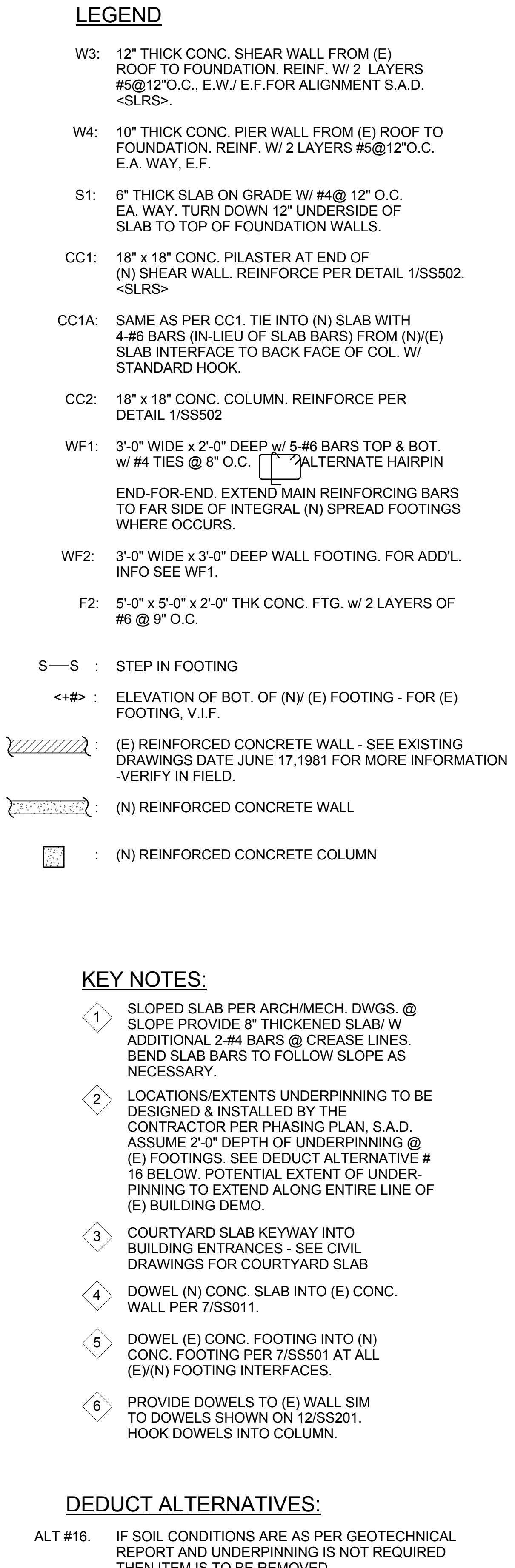


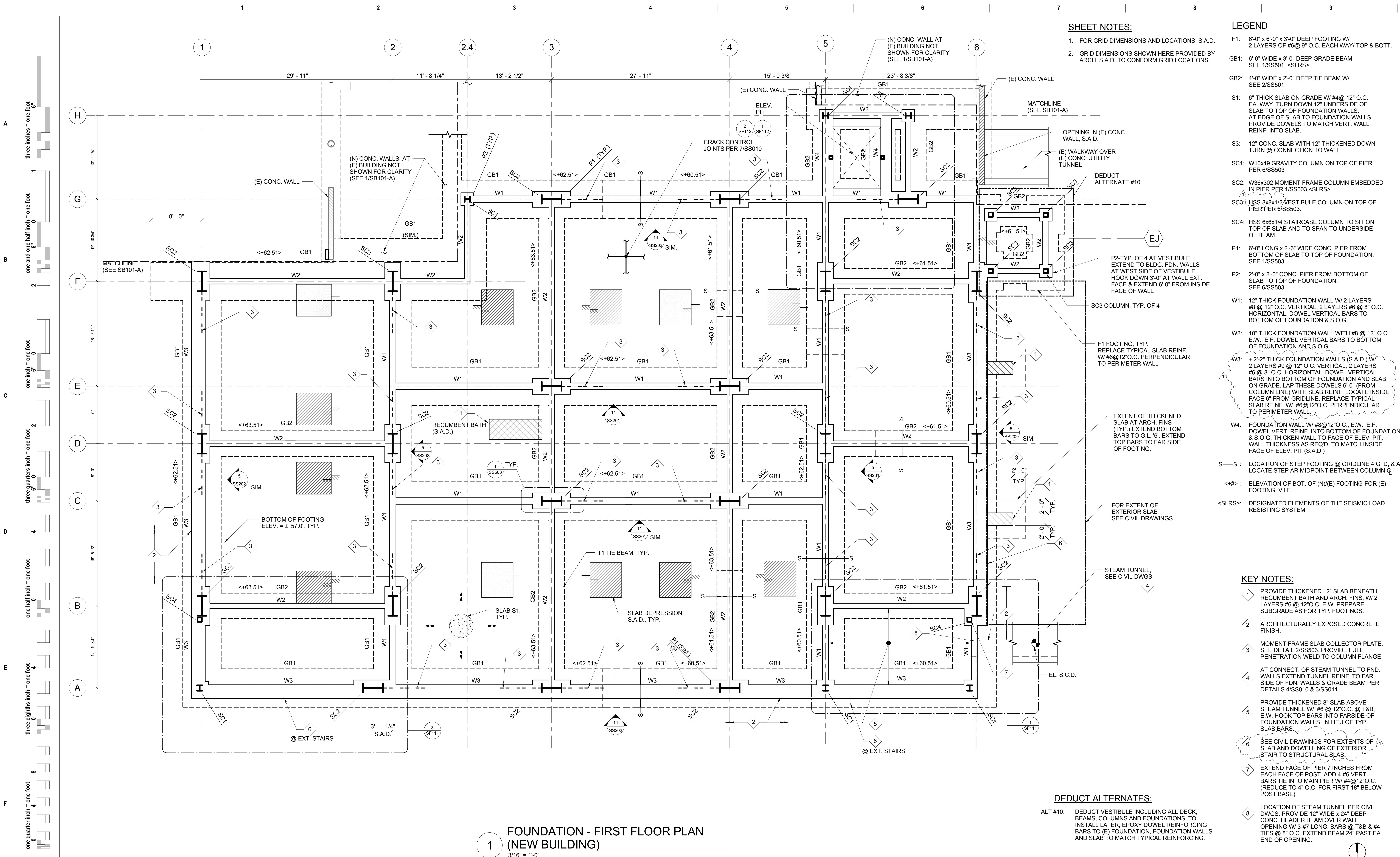
1" = 1'-0"



N.T.S.


$$\frac{3}{4}'' = 1'-0''$$
BID DOCUMENTS

BID DOCUMENTS



- SHEET NOTES:**
 - FOR GRID DIMENSIONS AND LOCATIONS, S.A.D.
 - GRID DIMENSIONS SHOWN HERE PROVIDED BY ARCH. S.A.D. TO CONFORM GRID LOCATIONS.
- LEGEND**

F1: 6'-0" x 6'-0" x 3'-0" DEEP FOOTING W/ 2 LAYERS OF #6 @ 9" O.C. EACH WAY/ TOP & BOT.

GB1: 6'-0" WIDE x 3'-0" DEEP GRADE BEAM SEE 1/SS501. <SLRS>

GB2: 4'-0" WIDE x 2'-0" DEEP TIE BEAM W/ SEE 2/SS501

S1: 6" THICK SLAB ON GRADE W/ #4 @ 12" O.C. EA. WAY. TURN DOWN 12" UNDERSIDE OF SLAB TO TOP OF FOUNDATION WALLS. AT EDGE OF SLAB TO FOUNDATION WALLS, PROVIDE DOWELS TO MATCH VERT. WALL REINF. INTO SLAB.

S3: 12" CONC. SLAB WITH 12" THICKENED DOWN TURN @ CONNECTION TO WALL

SC1: W10x49 GRAVITY COLUMN ON TOP OF PIER PER 6/SS503

SC2: W36x302 MOMENT FRAME COLUMN EMBEDDED IN PIER PER 1/SS503 <SLRS>

SC3: HSS 8x8x1/2 VESTIBULE COLUMN ON TOP OF PIER PER 6/SS503.

SC4: HSS 6x6x1/4 STAIRCASE COLUMN TO SIT ON TOP OF SLAB AND TO SPAN TO UNDERSIDE OF BEAM.

P1: 6'-0" LONG x 2'-6" WIDE CONC. PIER FROM BOTTOM OF SLAB TO TOP OF FOUNDATION. SEE 1/SS503

P2: 2'-0" x 2'-0" CONC. PIER FROM BOTTOM OF SLAB TO TOP OF FOUNDATION. SEE 6/SS503

W1: 12" THICK FOUNDATION WALL W/ 2 LAYERS #8 @ 12" O.C. VERTICAL, 2 LAYERS #6 @ 8" O.C. HORIZONTAL. DOWEL VERTICAL BARS TO BOTTOM OF FOUNDATION & S.O.G.

W2: 10" THICK FOUNDATION WALL WITH #8 @ 12" O.C. E.W., E.F. DOWEL VERTICAL BARS TO BOTTOM OF FOUNDATION AND S.O.G.

W3: ± 2'-2" THICK FOUNDATION WALLS (S.A.D.) W/ 2 LAYERS #9 @ 12" O.C. VERTICAL, 2 LAYERS #6 @ 8" O.C. HORIZONTAL. DOWEL VERTICAL BARS INTO BOTTOM OF FOUNDATION AND SLAB ON GRADE. LAP THESE DOWELS 6'-0" (FROM COLUMN LINE) WITH SLAB REINF. LOCATE INSIDE FACE 6" FROM GRIDLINE. REPLACE TYPICAL SLAB REINF. W/ #6 @ 12" O.C. PERPENDICULAR TO PERIMETER WALL

W4: FOUNDATION WALL W/ #8 @ 12" O.C., E.W., E.F. DOWEL VERT. REINF. INTO BOTTOM OF FOUNDATION & S.O.G. THICKEN WALL TO FACE OF ELEV. PIT. WALL THICKNESS AS REQD. TO MATCH INSIDE FACE OF ELEV. PIT (S.A.D.)

S—S : LOCATION OF STEP FOOTING @ GRIDLINE 4.G.D. & A. LOCATE STEP AR MIDPOINT BETWEEN COLUMN Q

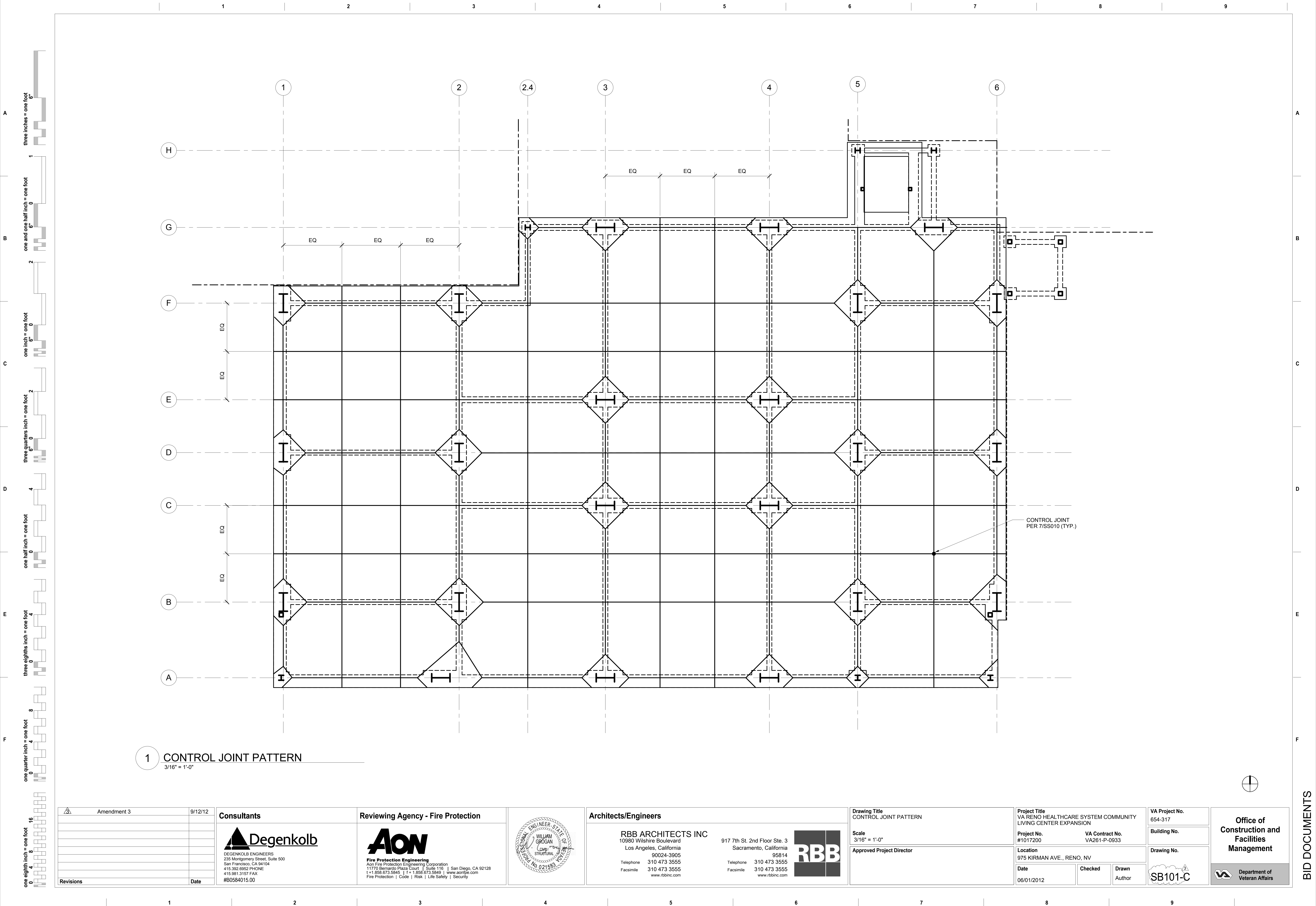
<#> : ELEVATION OF BOT. OF (N/E) FOOTING FOR (E) FOOTING, V.I.F.

<SLRS> : DESIGNATED ELEMENTS OF THE SEISMIC LOAD RESISTING SYSTEM
- KEY NOTES:**
 - PROVIDE THICKENED 12" SLAB BENEATH RECUMBENT BATH AND ARCH. FINIS. W/ 2 LAYERS #6 @ 12" O.C. E.W. PREPARE SUBGRADE AS FOR TYP. FOOTINGS.
 - ARCHITECTURALLY EXPOSED CONCRETE FINISH.
 - MOMENT FRAME SLAB COLLECTOR PLATE, SEE DETAIL 2/SS503. PROVIDE FULL PENETRATION WELD TO COLUMN FLANGE
 - AT CONNECT. OF STEAM TUNNEL TO FND. WALLS EXTEND TUNNEL REINF. TO FAR SIDE OF FDN. WALLS & GRADE BEAM PER DETAILS 4/SS010 & 3/SS011
 - PROVIDE THICKENED 8" SLAB ABOVE STEAM TUNNEL W/ #6 @ 12" O.C. @ T&B. E.W. HOOK TOP BARS INTO FAR SIDE OF FOUNDATION WALLS, IN LIEU OF TYP. SLAB BARS
 - SEE CIVIL DRAWINGS FOR EXTENTS OF SLAB AND DOWELLING OF EXTERIOR STAIR TO STRUCTURAL SLAB
 - EXTEND FACE OF PIER 7 INCHES FROM EACH FACE OF POST. ADD 4 #6 VERT. BARS TIE INTO MAIN PIER W/ #4 @ 12" O.C. (REDUCE TO 4" O.C. FOR FIRST 18" BELOW POST BASE)
 - LOCATION OF STEAM TUNNEL PER CIVIL DWGS. PROVIDE 12" WIDE x 24" DEEP CONC. HEADER BEAM OVER WALL OPENING W/ 3-#7 LONG. BARS @ T&B & #4 TIES @ 8" O.C. EXTEND BEAM 24" PAST EA. END OF OPENING.

1 FOUNDATION - FIRST FLOOR PLAN (NEW BUILDING)
3/16" = 1'-0"

DEDUCT ALTERNATES:
ALT #10. DEDUCT VESTIBULE INCLUDING ALL DECK, BEAMS, COLUMNS AND FOUNDATIONS. TO INSTALL LATER, EPOXY DOWEL REINFORCING BARS TO (E) FOUNDATION, FOUNDATION WALLS AND SLAB TO MATCH TYPICAL REINFORCING.

<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>Amendment 1</div><div>Amendment 3</div></div></div> <div><div>8/22/12</div><div>9/12/12</div></div>		<div>Consultants</div> 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1 CONTROL JOINT PATTERN
3/16" = 1'-0"

Amendment 3	9/12/12
Revisions	Date

Consultants

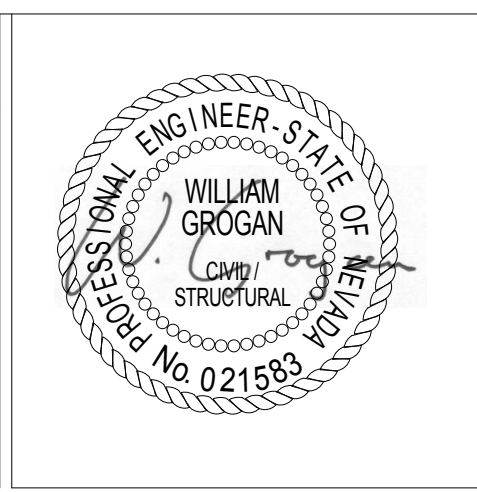
Degenkolb

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415.392.6562 PHONE
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AON

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RBB

Drawing Title
CONTROL JOINT PATTERN

Scale
3/16" = 1'-0"

Approved Project Director

Project Title
VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION

Project No.
#1017200

VA Contract No.
VA261-P-0933

Location
975 KIRMAN AVE., RENO, NV

Date
06/01/2012

Checked

Drawn
Author

VA Project No.
654-317


Building No.

Drawing No.
SB101-C

Office of Construction and Facilities Management


Department of Veteran Affairs

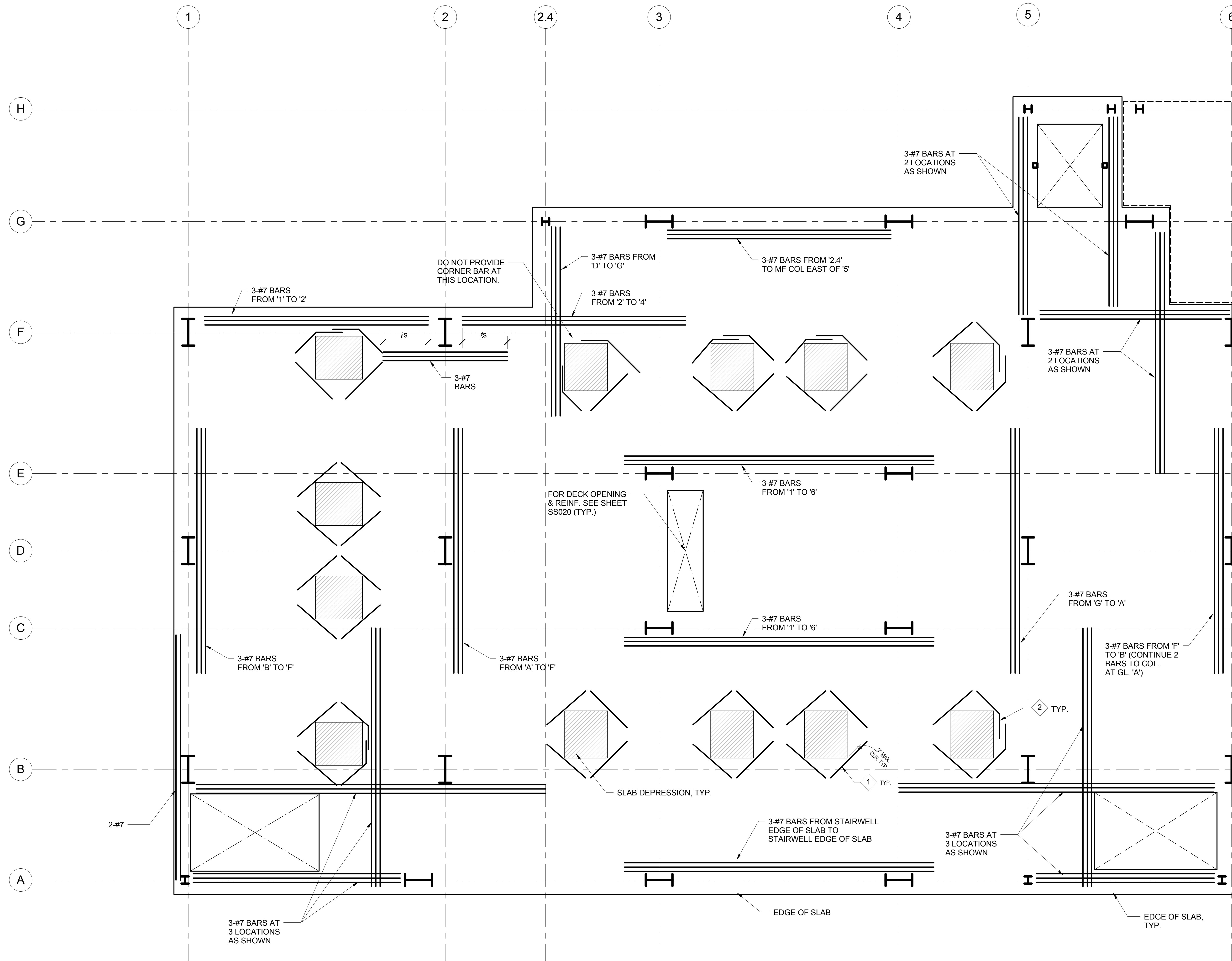
**Office of
Construction and
Facilities
Management**

 **Department of
Veteran Affairs**

BID DOCUMENTS



Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION		VA Project No. 654-317	<div> Office of Construction and Facilities Management </div>
Project No. #1017200	VA Contract No. VA261-P-0933	Drawing No. 	
Location 975 KIRMAN AVE., RENO, NV		Drawing No. 	
Date 06/01/2012	Checked 	Drawn KLM	<div>  </div>

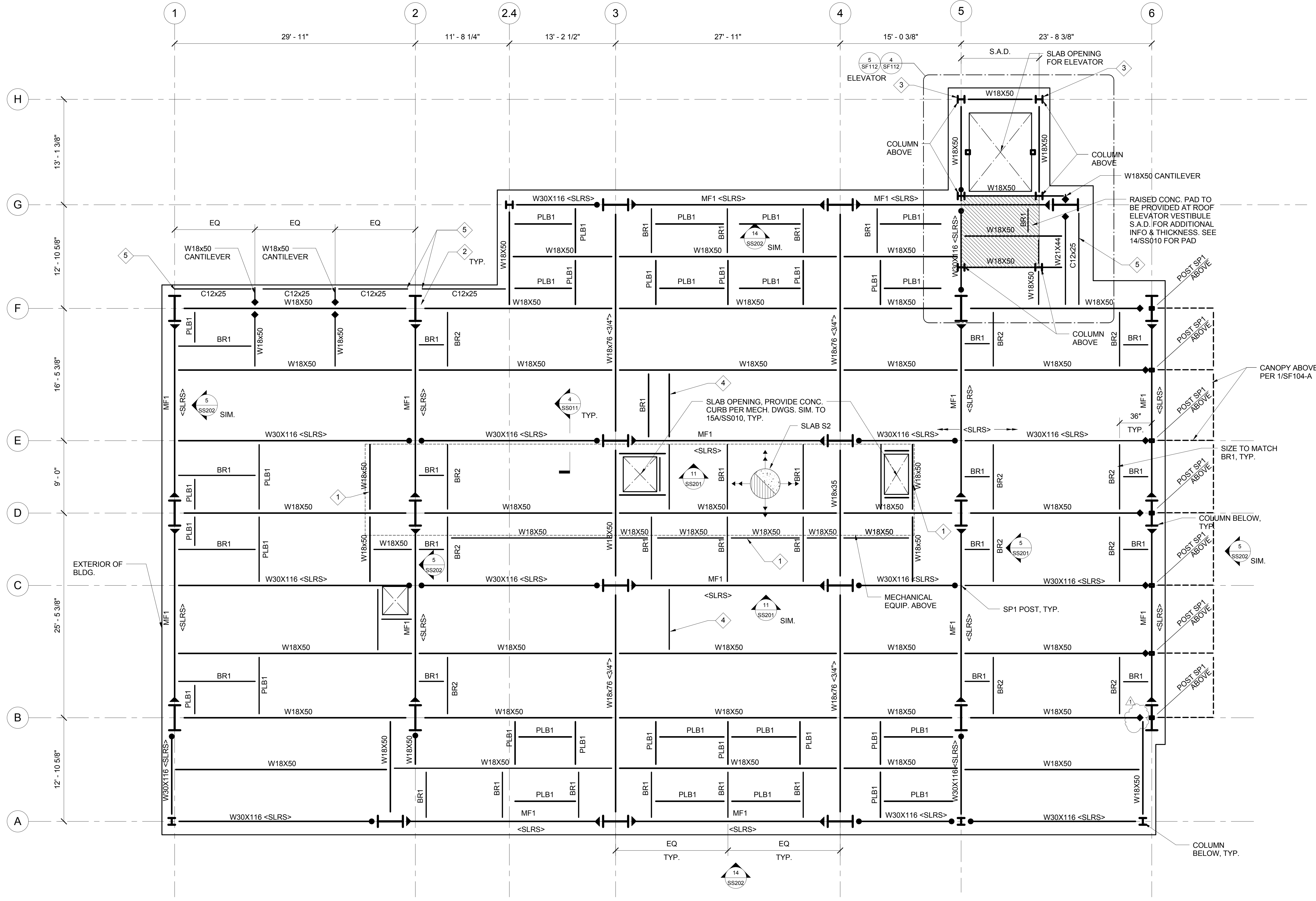


- ## KEY NOTES:
- | | |
|---|---|
| 1 | (1)-#5x6"-0" @ EA. CORNER OF SLAB DEPRESSIONS. SEE DETAIL 11/SS020 FOR ADDITIONAL REQUIREMENTS FOR INTERRUPTED REINF. |
| 2 | WHERE CORNER BARS INTERRUPT ADD BARS, BEND CORNER BAR PARALLEL WITH ADD BARS. |

$$3/16'' = 1'-0''$$

Amendment 3	9/12/12	Consultants  Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 PHONE 415.981.3157 FAX #B0584015.00	Reviewing Agency - Fire Protection  AON Fire Protection Engineering Aon Fire Protection Engineering Corporation 1770 Bernardo Avenue, Suite 110 San Diego, CA 92128 t+1.658.673.5845 f+1.858.673.5849 www.aonfp.com Fire Protection Code Risk Life Safety Security		Architects/Engineers  RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com	Drawing Title ADDITIONAL REINFORCING -SECOND FLOOR (NEW BUILDING) Scale As indicated Approved Project Director	Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION Project No. #1017200 VA Contract No. VA261-P-0933 Location 975 KIRMAN AVE., RENO, NV Date 06/01/2012 Checked Drawn KLM	VA Project No. 654-317 Building No. Drawing No.  SF102-C  Department of Veterans Affairs	Office of Construction and Facilities Management
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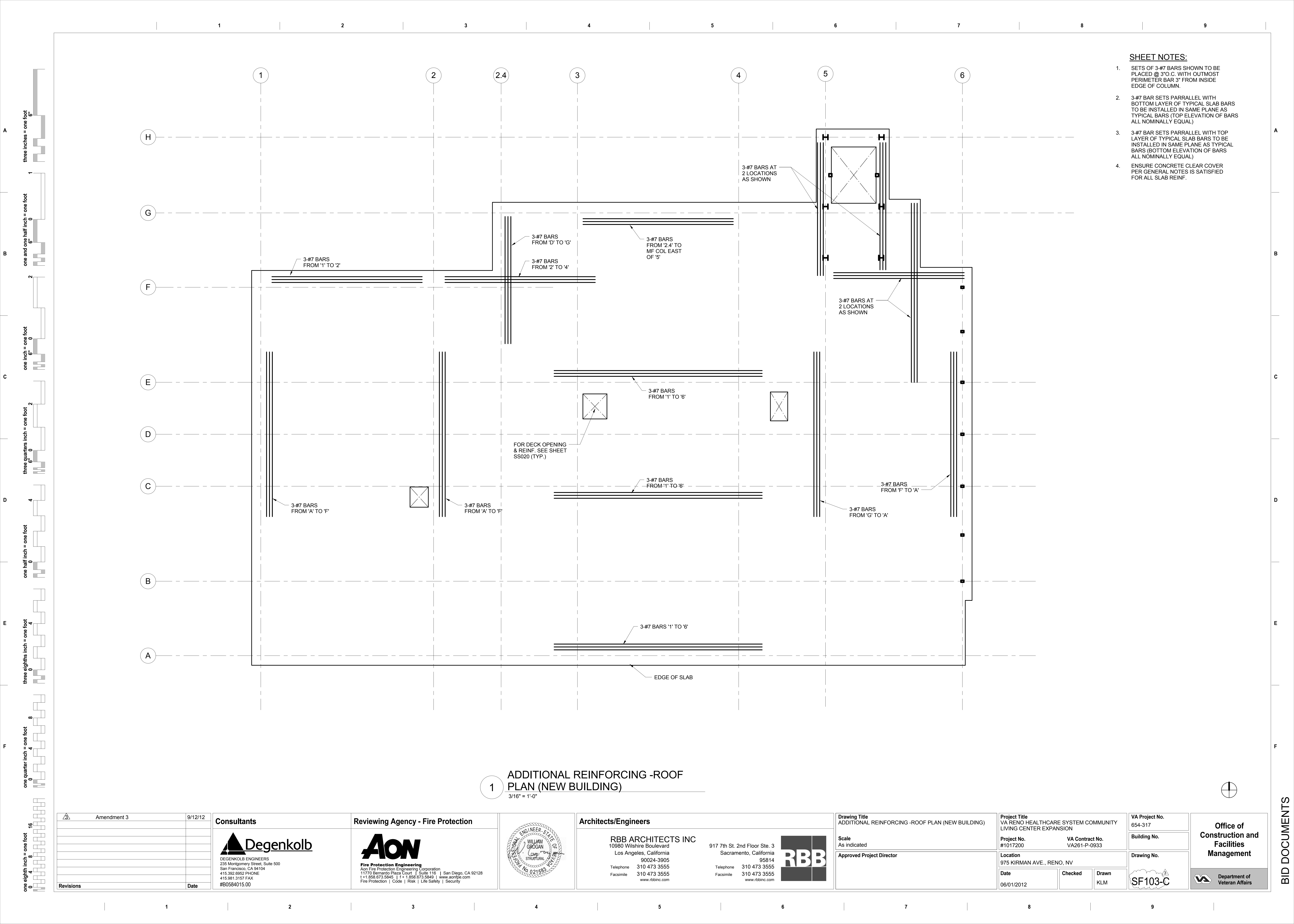
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
three quarters inch = one foot
one inch = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine 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
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thirty four inches = one foot
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forty inches = one foot
forty one inches = one foot
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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



- SHEET NOTES:**
- USE 3/4"x5" LONG WELDED NELSON STUDS @ 12" O.C. ALONG LENGTH OF ALL STEEL BEAMS.
 - SEISMIC SEPARATIONS ARE NET SEPARATION OF FINISH MATERIALS ACROSS THE JOINT (MINIMUM).
 - AT SLAB OPENINGS PROVIDE CURBS WHERE INDICATED IN ARCH/MECH. DRAWINGS PER 15/SS010.
- LEGEND**
- B2: W18X50 GRAVITY FRAMING BEAMS
- BR1: MOMENT FRAME BRACING BEAM W21x44. LOCATE BEAM WITHIN 6" FROM END OF RBS COPE SECTION.
- BR2: W21x44 BRACING BEAM.
- S2: 18GA. W3 VERO FORMLOK DECK (OR EQUIVALENT) W/ 3 1/4" LWC TOPPING (6 1/4" TOTAL DEPTH) W/ #4@ 12" W/ (5)-1/2" EFFECTIVE DIAMETER PUDDLE WELDS PER 6" WIDE SECTION AT TRANSVERSE SUPPORTS, 5/8" EFFECTIVE DIAMETER PUDDLE WELDS @ 8" O.C. AT PERIMETER AND LONGITUDINAL SUPPORTS, AND 1 1/2" TOP SEAM WELDS @ 12" O.C. AT SIDELAP CONN.
- SC1: W10x49 GRAVITY COLUMN
- MF1: REDUCED BEAM SECTION W30X132 MOMENT FRAME BEAM
- SP1: HSS 4x6x1/2 STEEL POST FOR ARCH. EYEBROW. S.A.D. FOR ADD'L INFO.
- PLB1: PATIENT LIFT SUPPORT BEAM W10x26 S.A.D. FOR ALIGNMENT.
- <SLRS>: DESIGNATED ELEMENTS OF THE SEISMIC LOAD RESISTING SYSTEM
- : COLLECTOR CONN PER 14/SS031 & 15/SS031
- : LRBS MOMENT CONN. PER 14/SS511
- : MOMENT CONN. PER 12/SS030 & 13/SS030
- < >: INDICATES REQUIRED CAMBER. NO CAMBER REQUIRED WHERE NONE SHOWN.
- : EDGE OF MECHANICAL UNIT. FOR EXACT LOCATION SEE MECH. DWGS. SEE 4/SS011 FOR EQUIPMENT PAD AND ROOF SLAB.
- KEY NOTES:**
- PROVIDE ADD'L SUPPORT BEAMS TO MATCH TYP. FRAMING BEAM BELOW ROOF TO SUPPORT HVAC UNIT.
 - SEE DETAIL 1/SS511 TYPICAL BOTTOM FLANGER STIFFENER @ PERP. GRAVITY BEAMS TO SC2 COLUMNS.
 - TYPICAL GRAVITY COLUMN TO STOP AT ROOF LEVEL AND PENTHOUSE COLUMN TO SIT ON TOP OF GRAVITY COLUMN. SEE DETAIL 4/SS512
 - W18x50 WON DOOR SUPPORT BEAM. LOCATION AND SUPPORT DETAILS PER DESIGN/BUILD, S.A.D.
 - CONNECT PERIMETER CHANNELS TO OUTER FACE OF COLUMN-SEE TYP. BEAM SPLICE DETAIL 3/SF103-B FOR CONN. PLATE (SIM.) BOLTED TO CHANNEL, WELDED TO COL. TRUNCATE LEDGE ANGLES SHOWN IN 14/SS020.
- DEDUCT ALTERNATES:**
- ALT #11. DEDUCT ELEVATOR STOP TO ROOF AND PENTHOUSE STOP ALL COLUMNS @ ROOF LEVEL AND PROVIDE CONTINUOUS ROOF SLAB OVER ELEVATOR.

1 FRAMING PLAN - ROOF PLAN (NEW BUILDING)
3/16" = 1'-0"

Amendment 1 8/22/12 Amendment 3 9/12/12	Consultants Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6562 PHONE 415.981.3157 FAX #B0584015.00	Reviewing Agency - Fire Protection AON Fire Protection Engineering Aon Fire Protection Engineering Corporation 11770 Bernardo Plaza Court Suite 116 San Diego, CA 92128 t+1.858.673.5845 f+1.858.673.5849 www.aonfp.com Fire Protection Code Risk Life Safety Security	Architects/Engineers RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com	Drawing Title FRAMING PLAN - ROOF PLAN (NEW BUILDING) Scale As indicated Approved Project Director	Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION Project No. #1017200 Location 975 KIRMAN AVE., RENO, NV Date 06/01/2012	VA Project No. 654-317 Building No. Drawing No. SF103-B Checked KLM Drawn KLM	Office of Construction and Facilities Management Department of Veteran Affairs
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SHEET NOTES:

- SETS OF 3-#7 BARS SHOWN TO BE PLACED @ 3"O.C. WITH OUTMOST PERIMETER BAR 3" FROM INSIDE EDGE OF COLUMN.
- 3-#7 BAR SETS PARRALLEL WITH BOTTOM LAYER OF TYPICAL SLAB BARS TO BE INSTALLED IN SAME PLANE AS TYPICAL BARS (TOP ELEVATION OF BARS ALL NOMINALLY EQUAL)
- 3-#7 BAR SETS PARRALLEL WITH TOP LAYER OF TYPICAL SLAB BARS TO BE INSTALLED IN SAME PLANE AS TYPICAL BARS (BOTTOM ELEVATION OF BARS ALL NOMINALLY EQUAL)
- ENSURE CONCRETE CLEAR COVER PER GENERAL NOTES IS SATISFIED FOR ALL SLAB REINF.

Amendment 3	9/12/12
Revisions	Date

Consultants

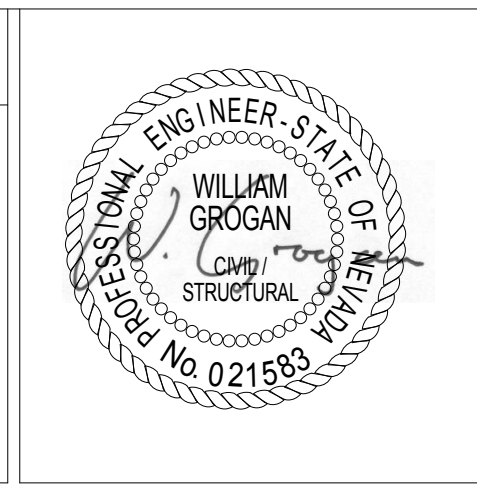
Degenkolb

DEGENKOLB ENGINEERS
235 Montgomery Street, Suite 500
San Francisco, CA 94104
415.392.6562 PHONE
415.981.3157 FAX
#B0584015.00

Reviewing Agency - Fire Protection

AON

Fire Protection Engineering
Aon Fire Protection Engineering Corporation
11770 Bernardo Plaza Court | Suite 116 | San Diego, CA 92128
t+1.858.673.5845 | f+1.858.673.5849 | www.aonfire.com
Fire Protection | Code | Risk | Life Safety | Security



Architects/Engineers

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Facsimile 310 473 3555
www.rbbinc.com

917 7th St. 2nd Floor Ste. 3
Sacramento, California 95814
Telephone 310 473 3555
Facsimile 310 473 3555
www.rbbinc.com

RBB

Drawing Title
ADDITIONAL REINFORCING -ROOF PLAN (NEW BUILDING)

Scale
As indicated

Approved Project Director

Project Title
VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION

Project No. #1017200 **VA Contract No.** VA261-P-0933

Location
975 KIRMAN AVE., RENO, NV

Date 06/01/2012

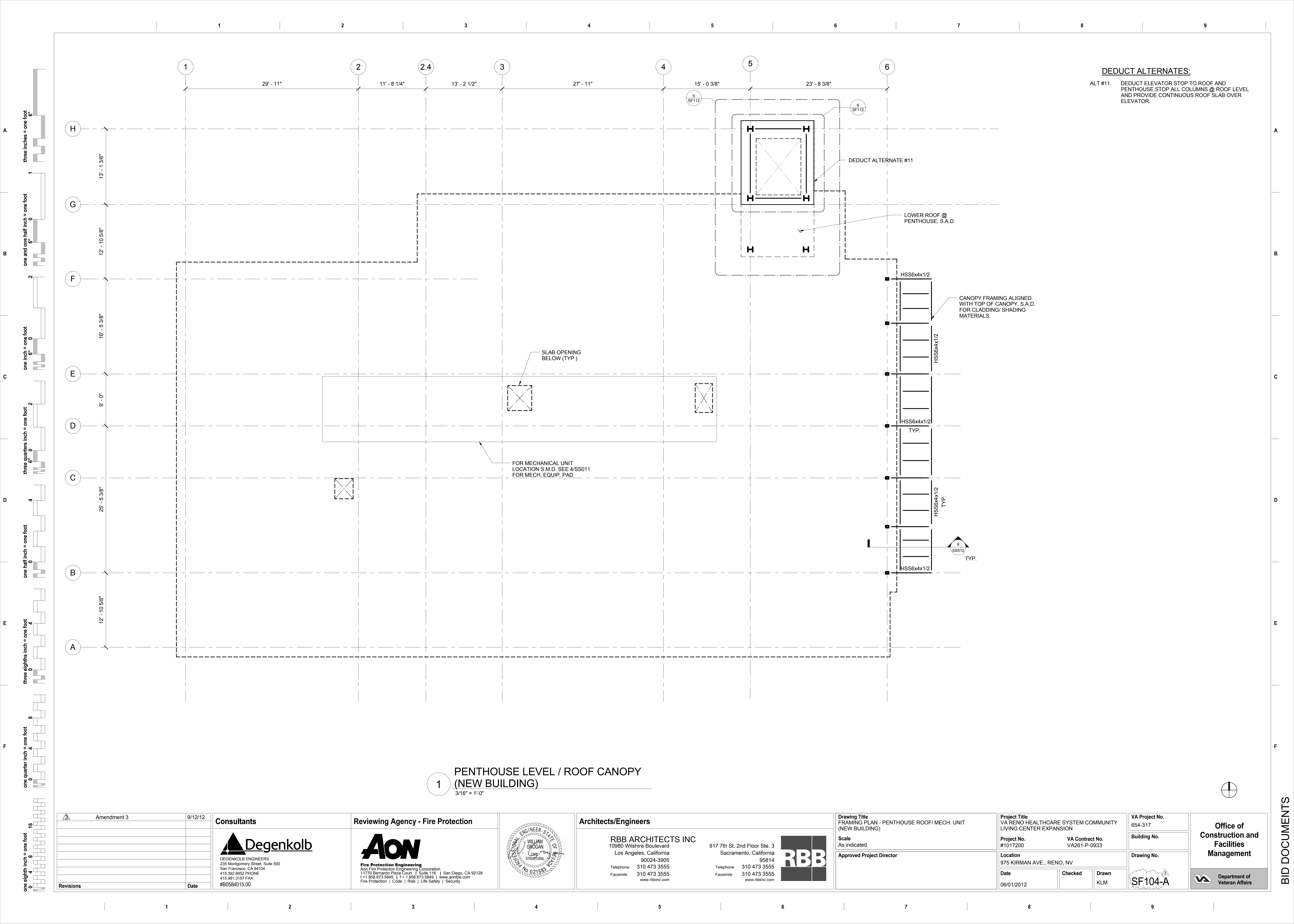
VA Project No. 654-317

Building No.

Drawing No. SF103-C

Office of Construction and Facilities Management

Department of Veteran Affairs

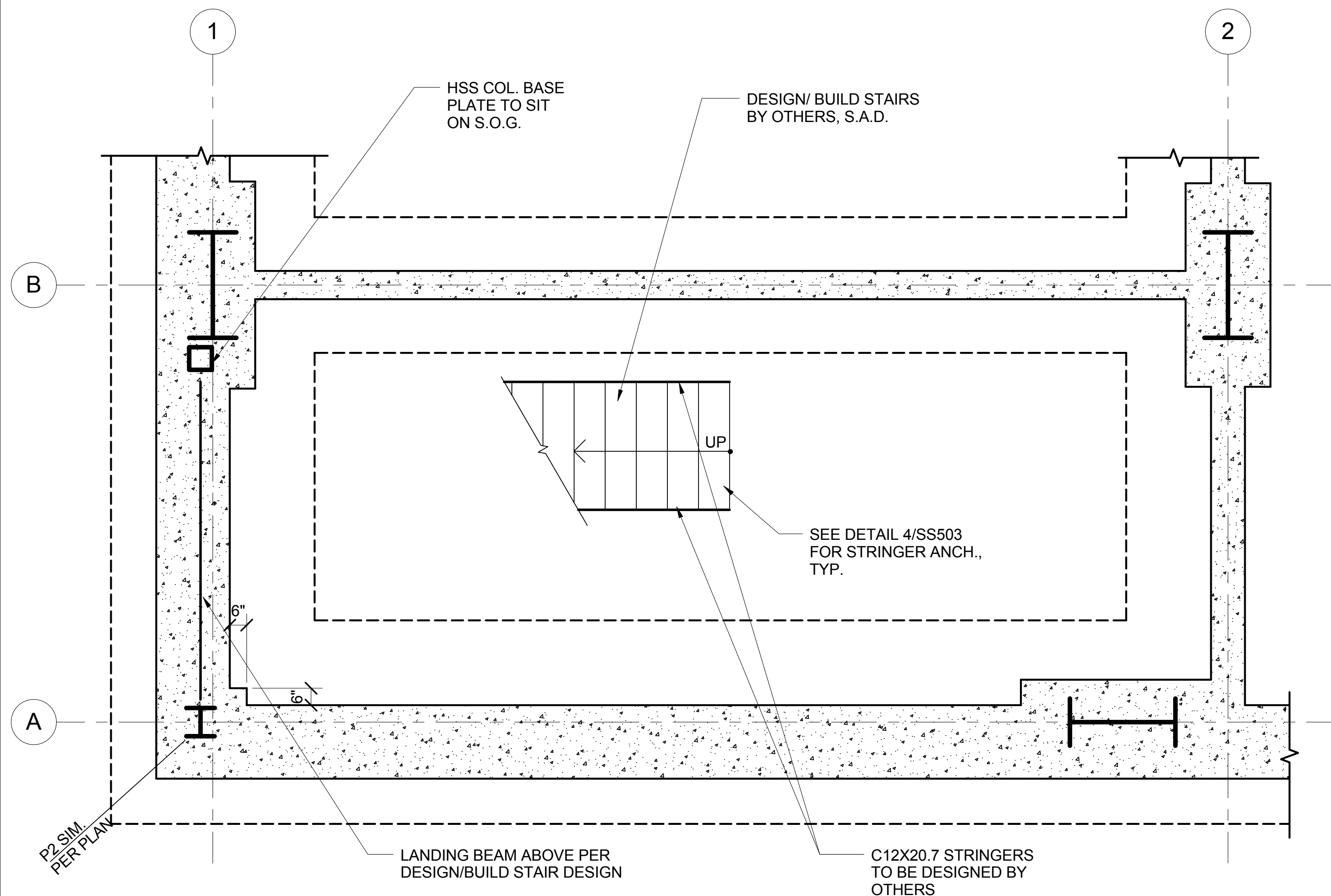


DEDUCT ALTERNATES:
ALT #11. DEDUCT ELEVATOR STOP TO ROOF AND PENTHOUSE. STOP ALL COLUMNS @ ROOF LEVEL AND PROVIDE CONTINUOUS ROOF SLAB OVER ELEVATOR.

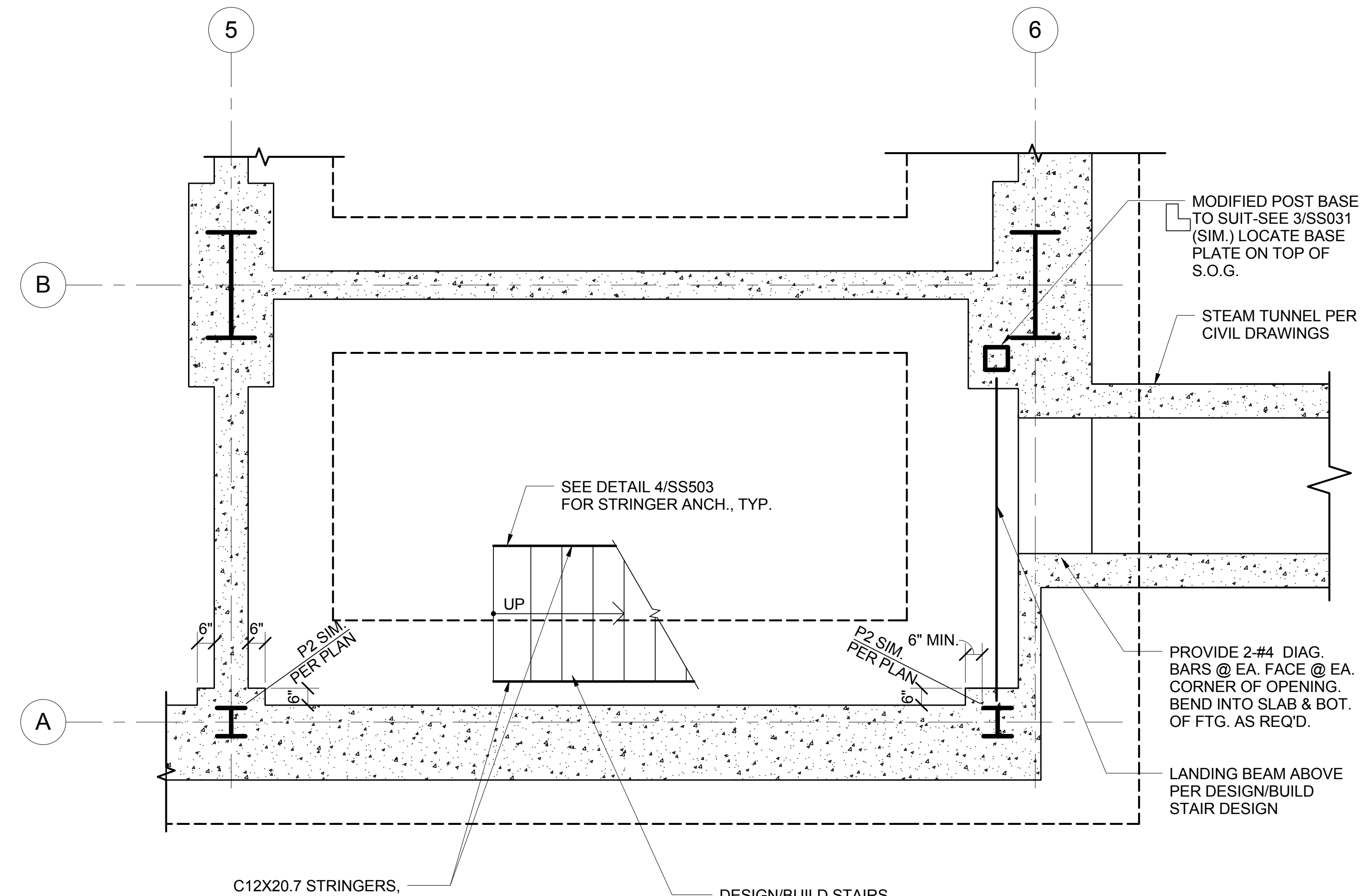
1 PENTHOUSE LEVEL / ROOF CANOPY (NEW BUILDING)
3/16" = 1'-0"

<div>Amendment 39/12/12</div> <div>RevisionsDate</div>	<div>Consultants</div> <div> Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6562 PHONE 415.981.3157 FAX #B0584015.00</div>	<div>Reviewing Agency - Fire Protection</div> <div> Aon Fire Protection Engineering Aon Fire Protection Engineering Corporation 11770 Bernardo Plaza Court Suite 116 San Diego, CA 92128 t+1.858.673.5845 f+1.858.673.5849 www.aonfire.com Fire Protection Code Risk Life Safety Security</div>	<div></div>	<div>Architects/Engineers</div> <div><div>RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com</div><div>917 7th St. 2nd Floor Ste. 3 Sacramento, California 95814 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com</div><div></div></div>	<div>Drawing Title FRAMING PLAN - PENTHOUSE ROOF/ MECH. UNIT (NEW BUILDING)</div> <div>Scale As indicated</div> <div>Approved Project Director</div>	<div>Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION</div> <div>Project No. #1017200VA Contract No. VA261-P-0933</div> <div>Location 975 KIRMAN AVE., RENO, NV</div> <div>Date 06/01/2012</div>	<div>VA Project No. 654-317</div> <div>Building No.</div> <div>Drawing No. </div> <div>Checked Drawn KLM</div>	<div>Office of Construction and Facilities Management</div> <div> Department of Veteran Affairs</div>
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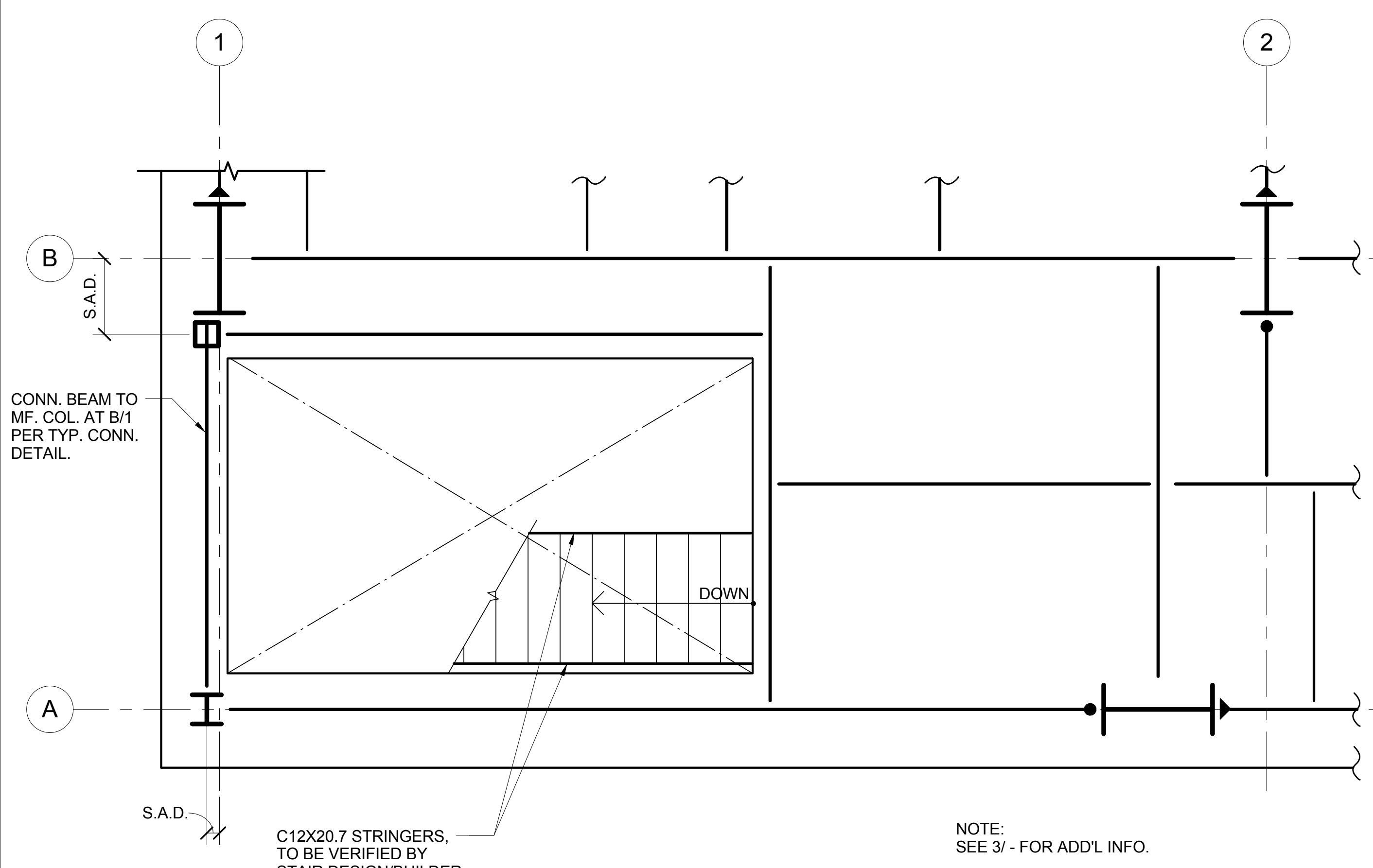
three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



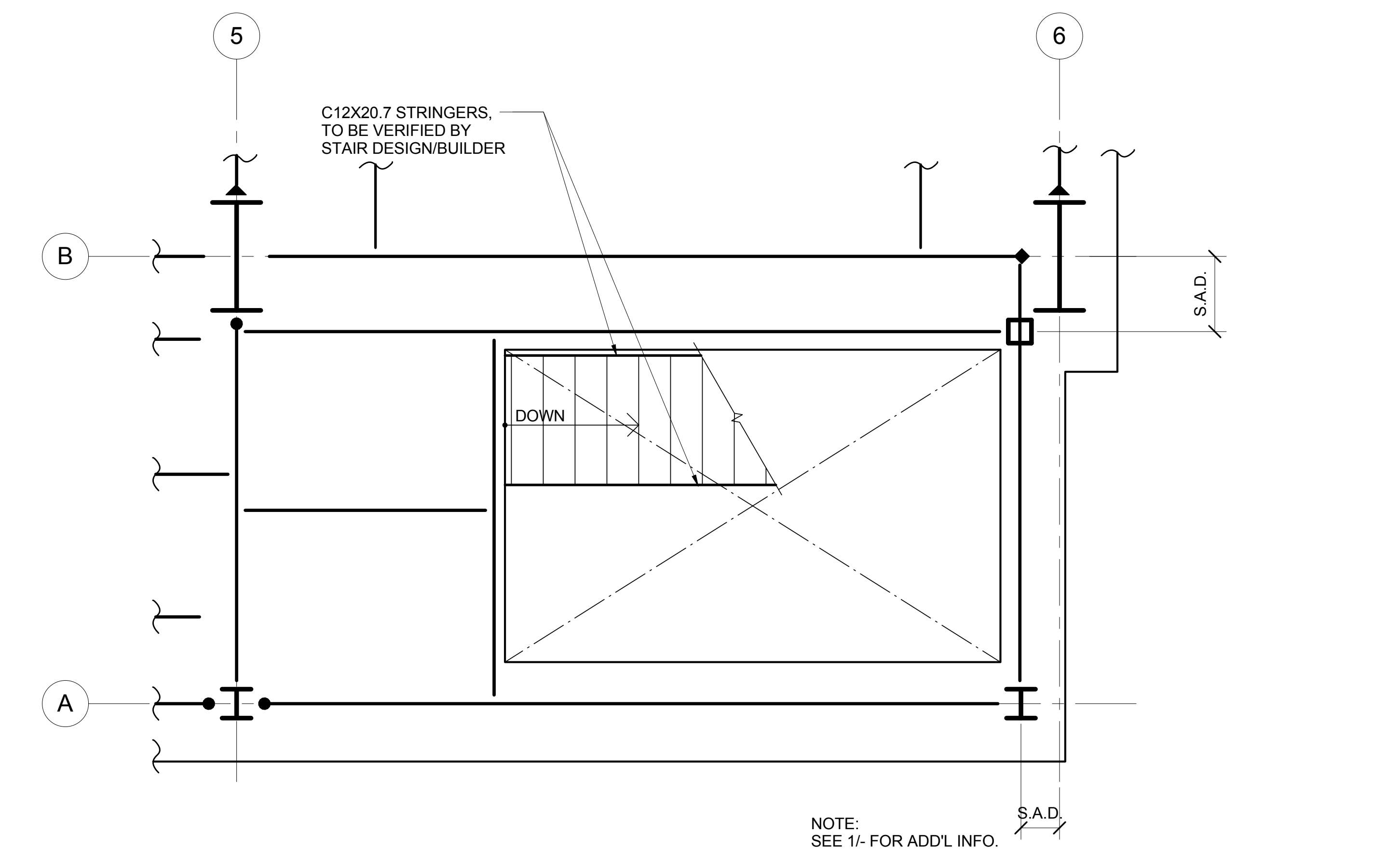
3 STAIR #1 - FIRST FLOOR
3/8" = 1'-0"



1 STAIR #2 - FIRST FLOOR
3/8" = 1'-0"



4 STAIR #1 - SECOND FLOOR
3/8" = 1'-0"

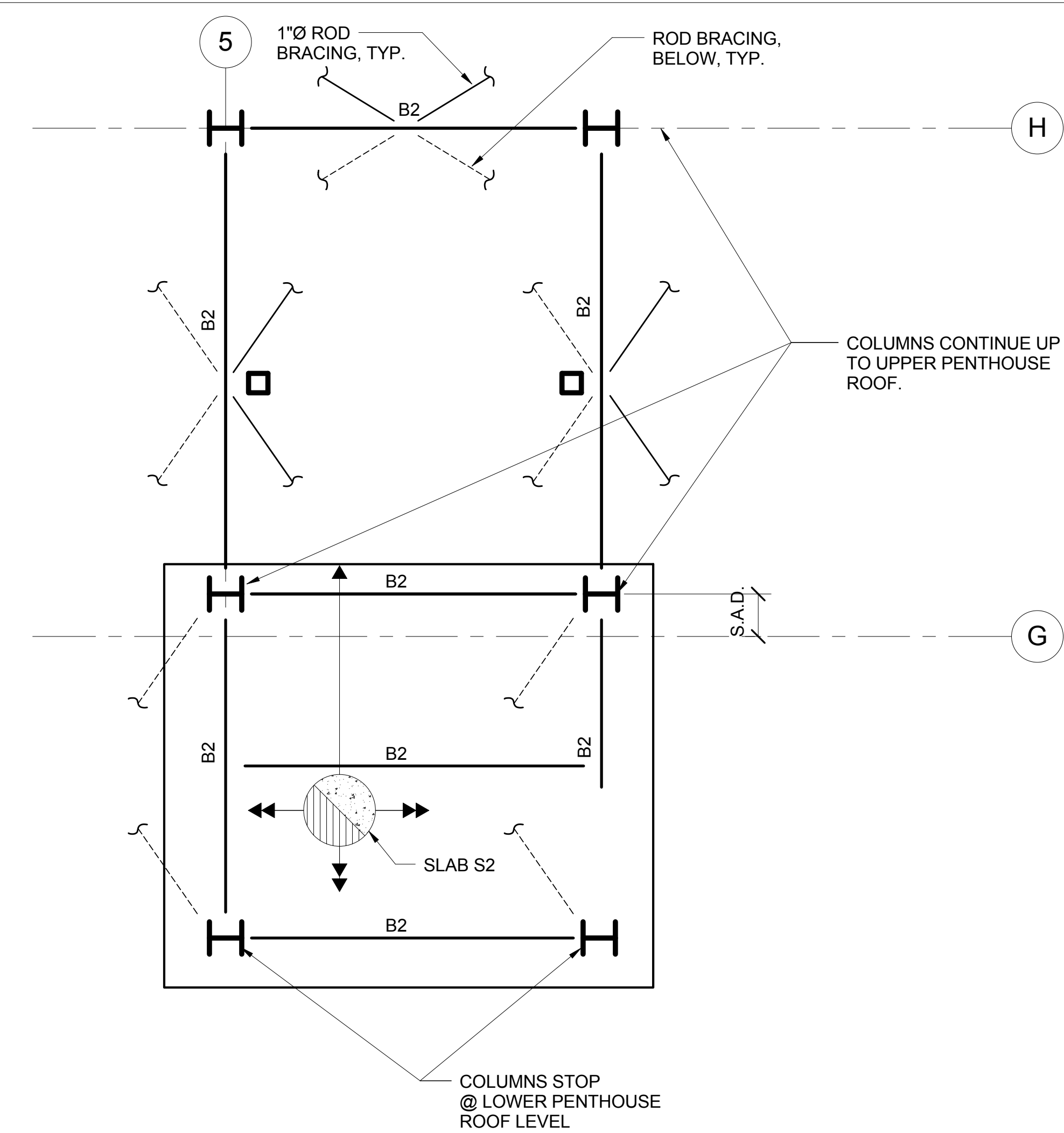


2 STAIR #2 - SECOND FLOOR
3/8" = 1'-0"

Amendment 3 9/12/12		Consultants Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.382.6562 PHONE 415.981.3157 FAX #B0584015.00		Reviewing Agency - Fire Protection AON Fire Protection Engineering Aon Fire Protection Engineering Corporation 11770 Bernardo Plaza Court Suite 116 San Diego, CA 92128 t+1.858.673.5845 f+1.858.673.5849 www.aonfire.com Fire Protection Code Risk Life Safety Security		Architects/Engineers RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com		Architects/Engineers 917 7th St. 2nd Floor Ste. 3 Sacramento, California 95814 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com		Drawing Title STAIR PARTIAL PLANS Scale 3/8" = 1'-0" Approved Project Director		Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION Project No. #1017200 VA Contract No. VA261-P-0933 Location 975 KIRMAN AVE., RENO, NV Date 06/01/2012 Checked Drawn KLM SF111		VA Project No. 654-317 Building No. Drawing No. Office of Construction and Facilities Management Department of Veteran Affairs	
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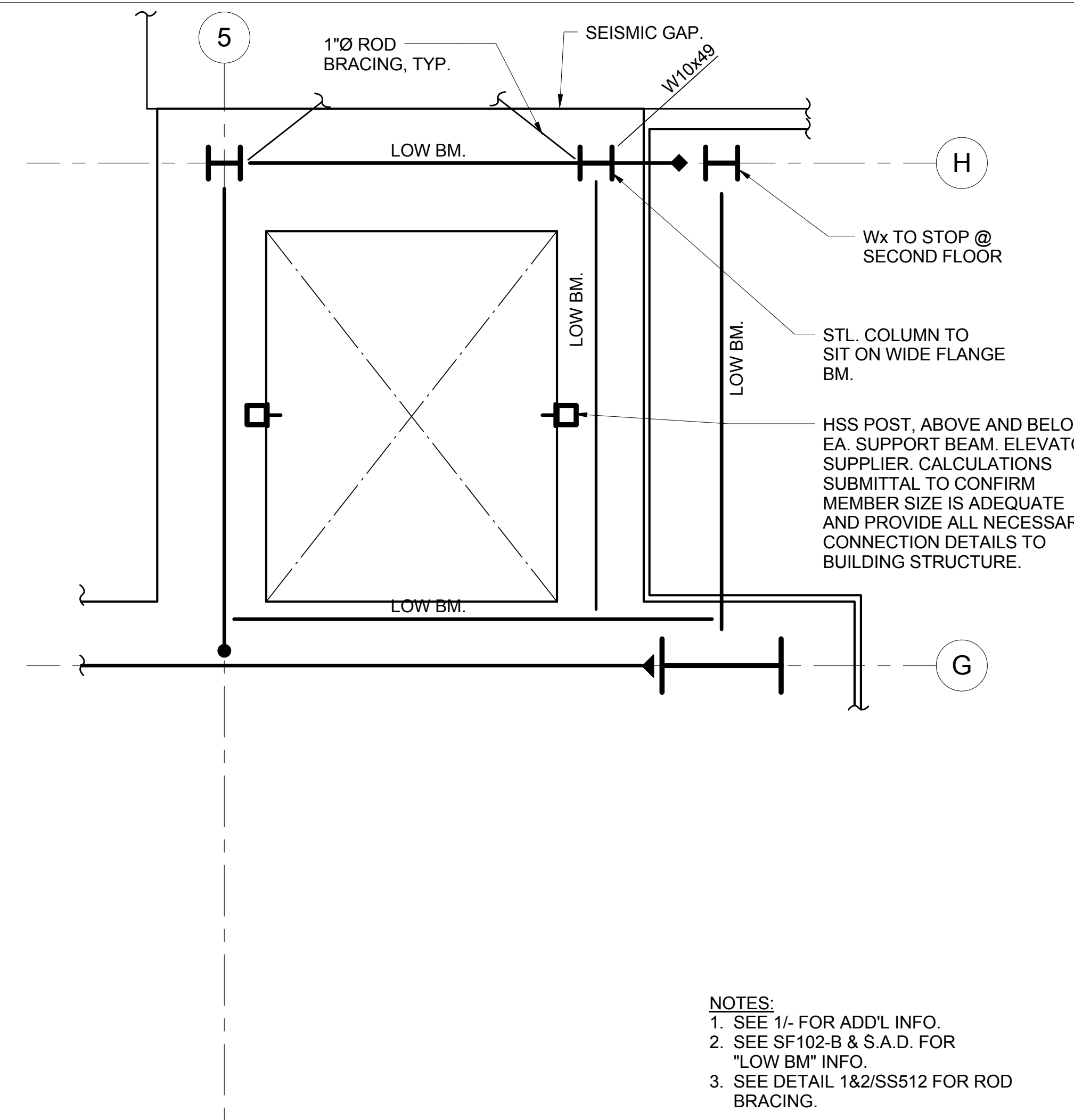
BID DOCUMENTS

A
three inches = one foot
1
0
6"
B
one and one half inch = one foot
2
0
6"
C
one inch = one foot
2
0
6"
D
three quarters inch = one foot
4
0
6"
E
one half inch = one foot
4
0
6"
F
three eighths inch = one foot
8
0
6"
G
one quarter inch = one foot
16
0
6"
H



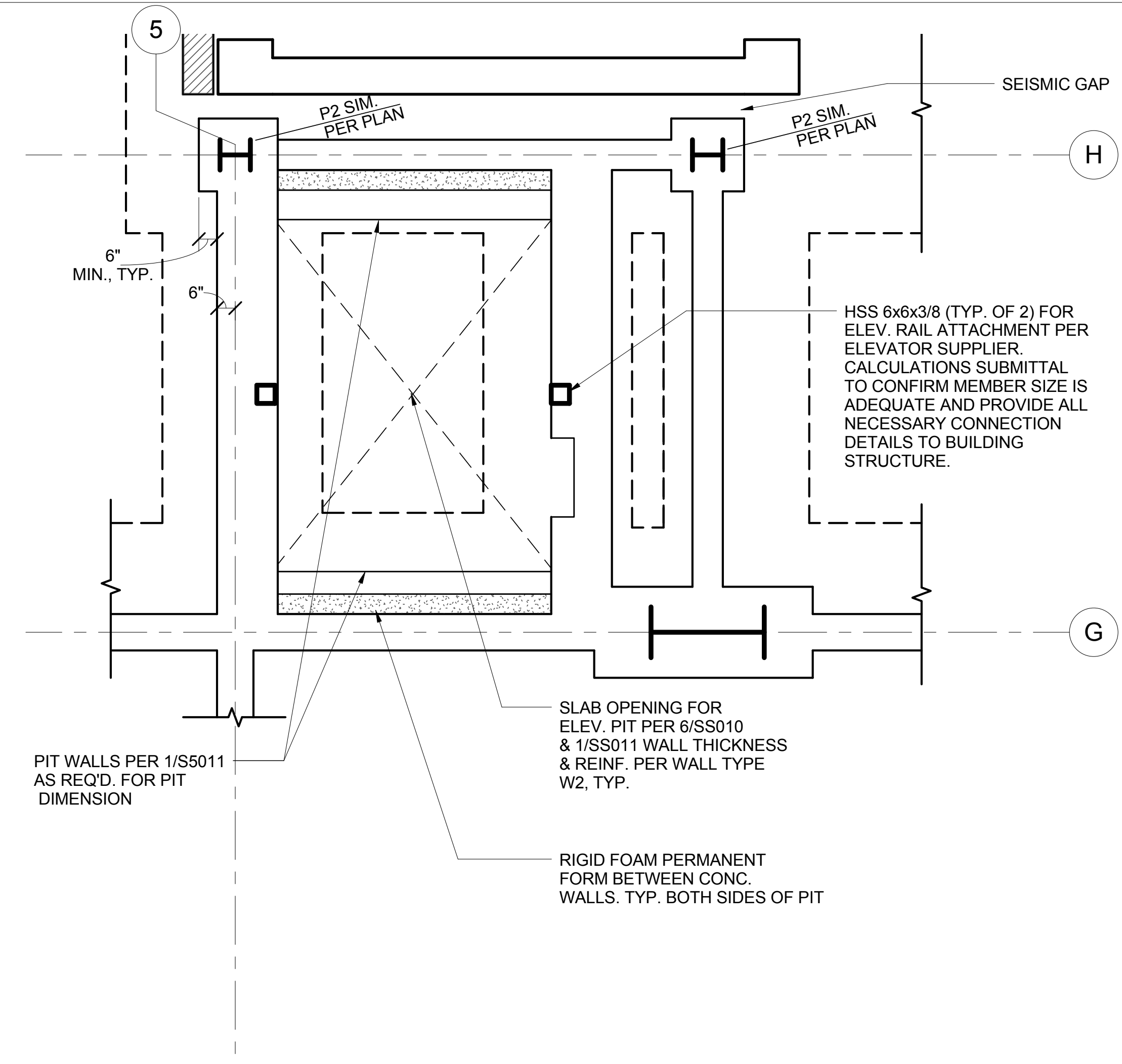
5 ELEVATOR LOWER PENTHOUSE ROOF PARTIAL - PLAN
3/8" = 1'-0"

NOTES:
1. SEE 1/- FOR ADD'L INFO.
2. SEE SF103-B FOR LEGEND
3. SEE 3/- FOR ROD BRACING INFO.



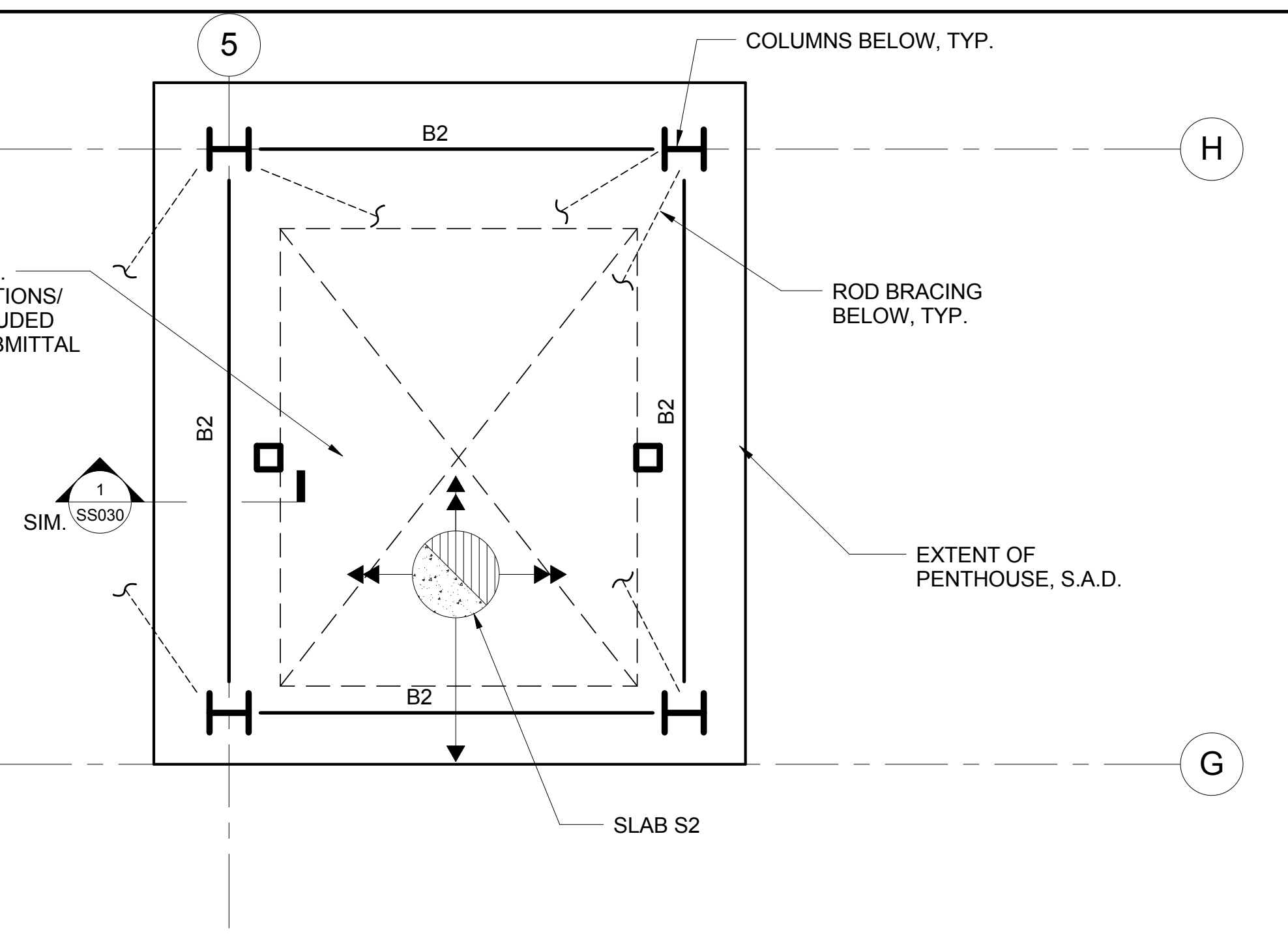
3 ELEVATOR SECOND FLOOR PARTIAL PLAN
3/8" = 1'-0"

NOTES:
1. SEE 1/- FOR ADD'L INFO.
2. SEE SF102-B & S.A.D. FOR "LOW BM" INFO.
3. SEE DETAIL 1&2/SS512 FOR ROD BRACING.



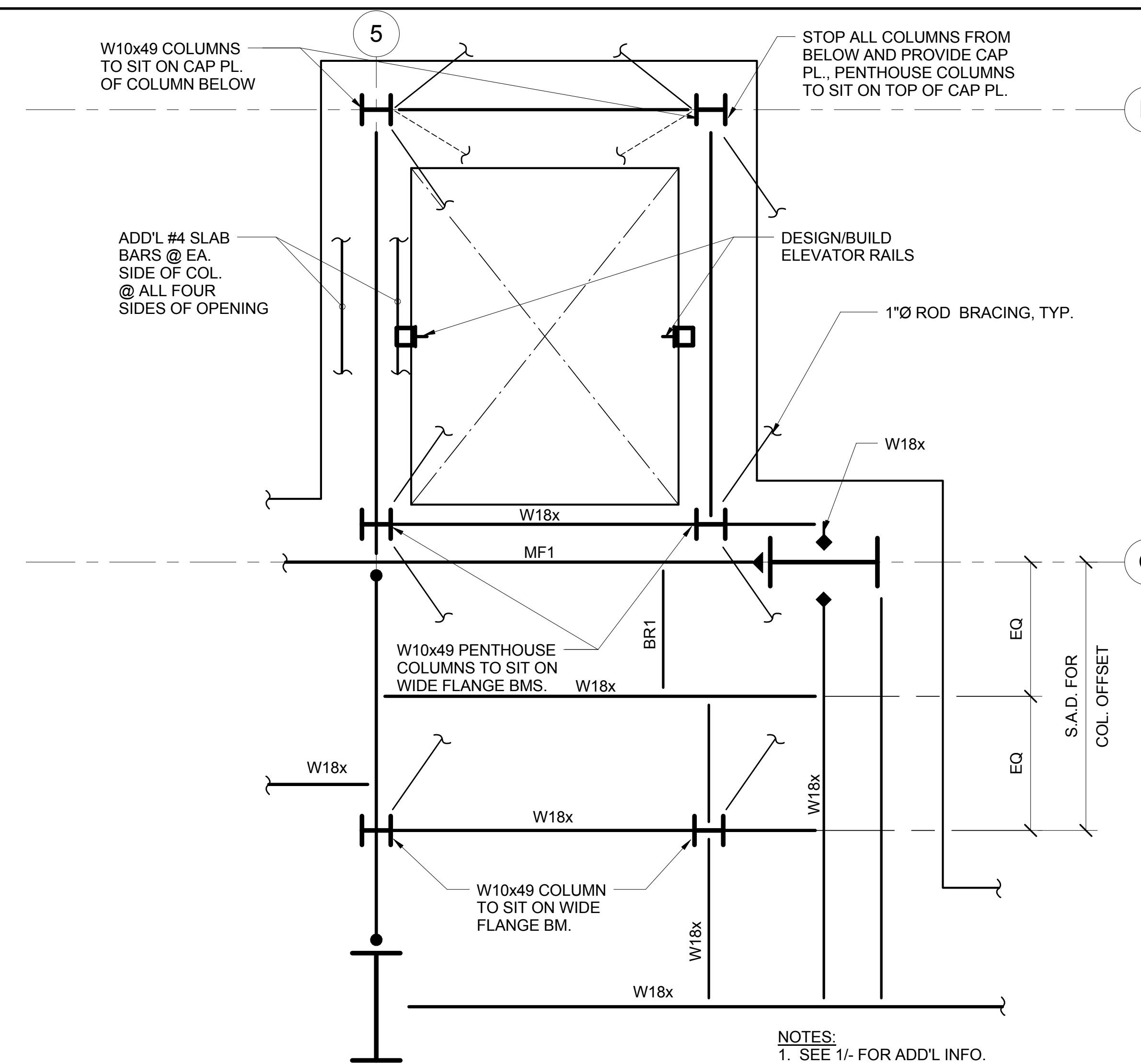
1 ELEVATOR FIRST FLOOR PARTIAL PLAN
3/8" = 1'-0"

NOTES:
1. SEE OVERALL PLANS FOR ADD'L INFO NOT NOTED.



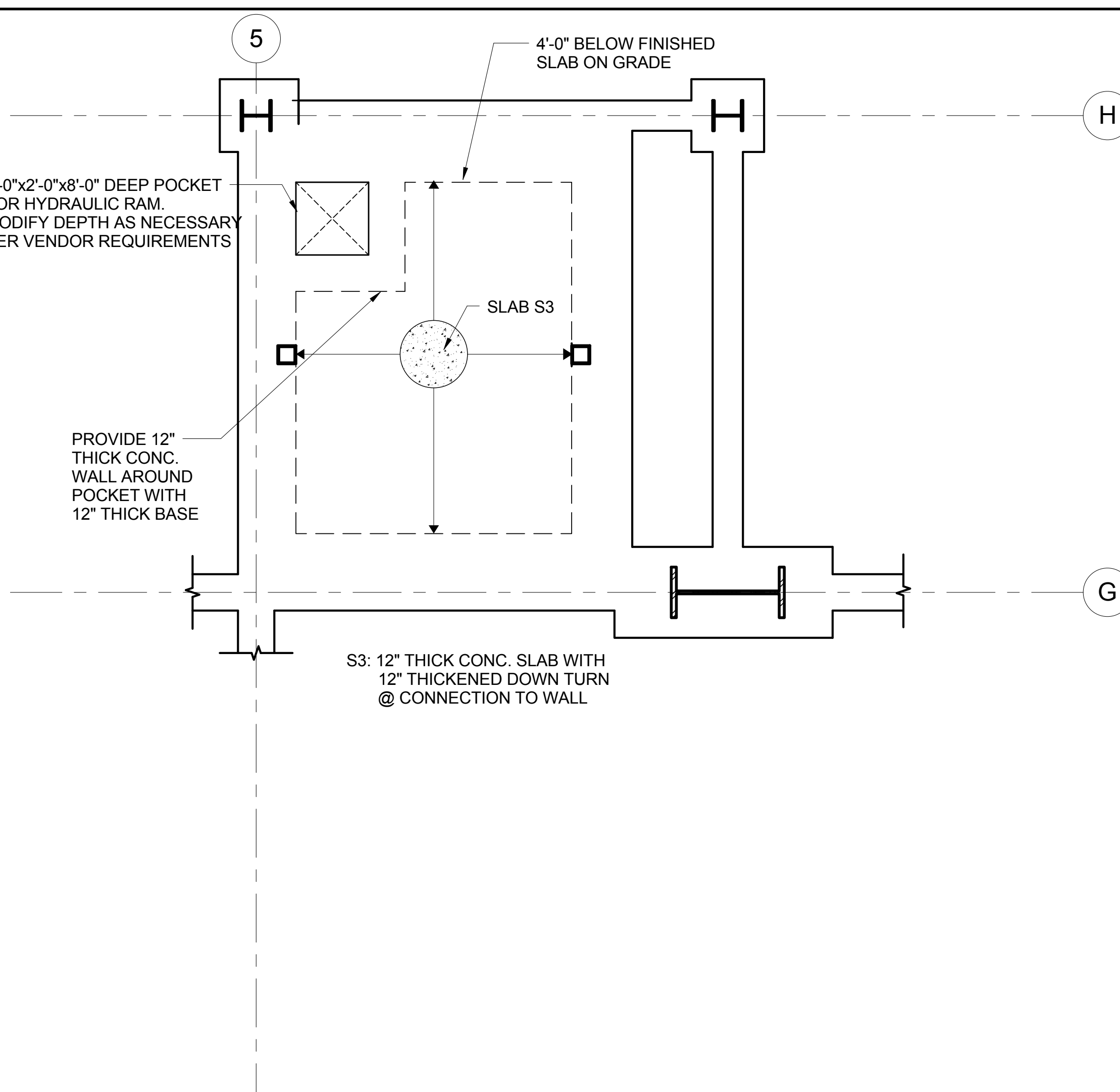
6 ELEVATOR UPPER PENTHOUSE ROOF PARTIAL - PLAN
3/8" = 1'-0"

NOTES:
1. SEE 1/- FOR ADD'L INFO.
2. SEE SF103-B FOR LEGEND
3. SEE 3/- FOR ROD BRACING INFO.



4 ELEVATOR ROOF LEVEL PARTIAL PLAN
3/8" = 1'-0"

NOTES:
1. SEE 1/- FOR ADD'L INFO.
2. SEE 3/- FOR BRACING INFO.

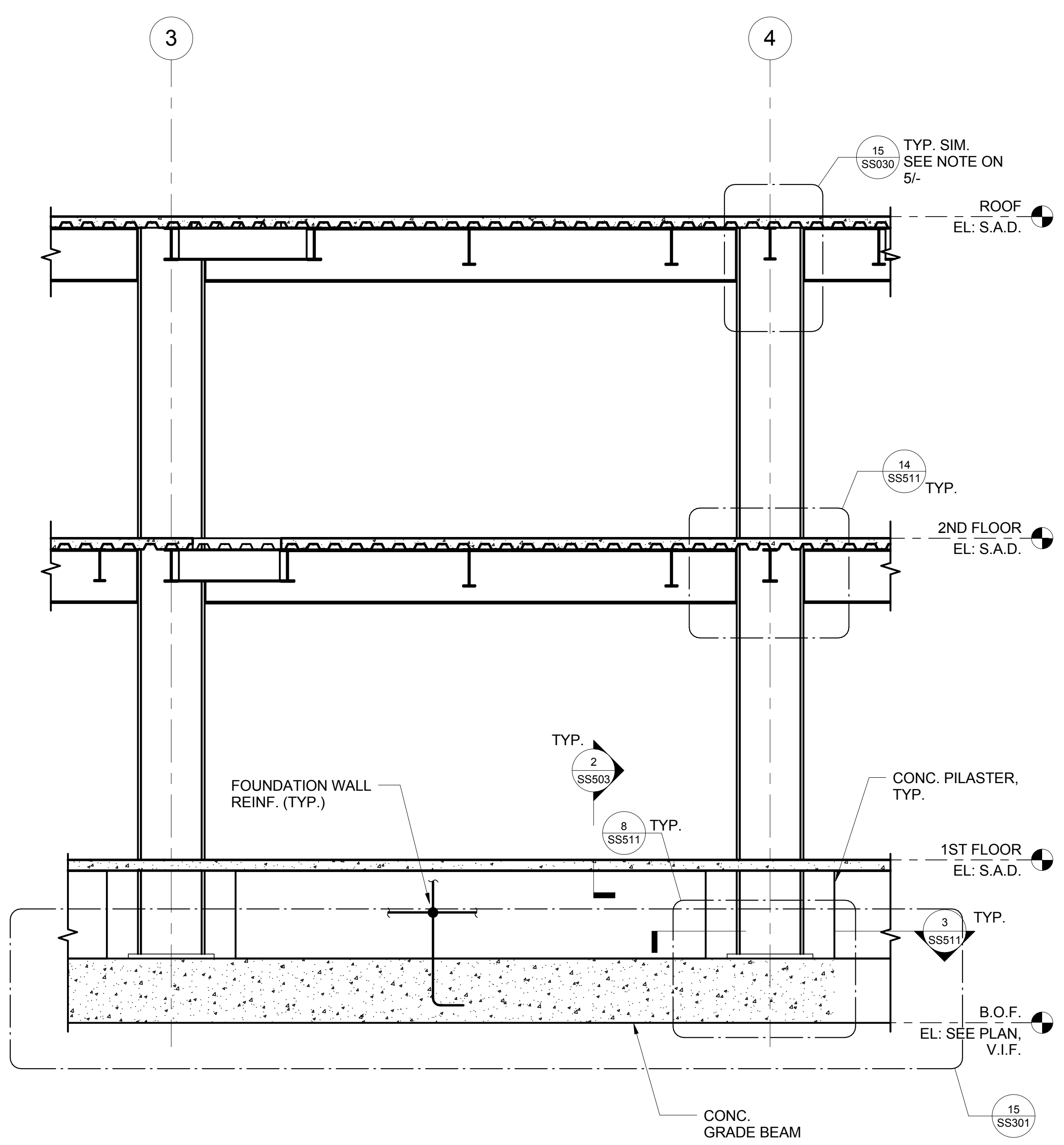


2 ELEVATOR - BOTTOM OF PIT
3/8" = 1'-0"

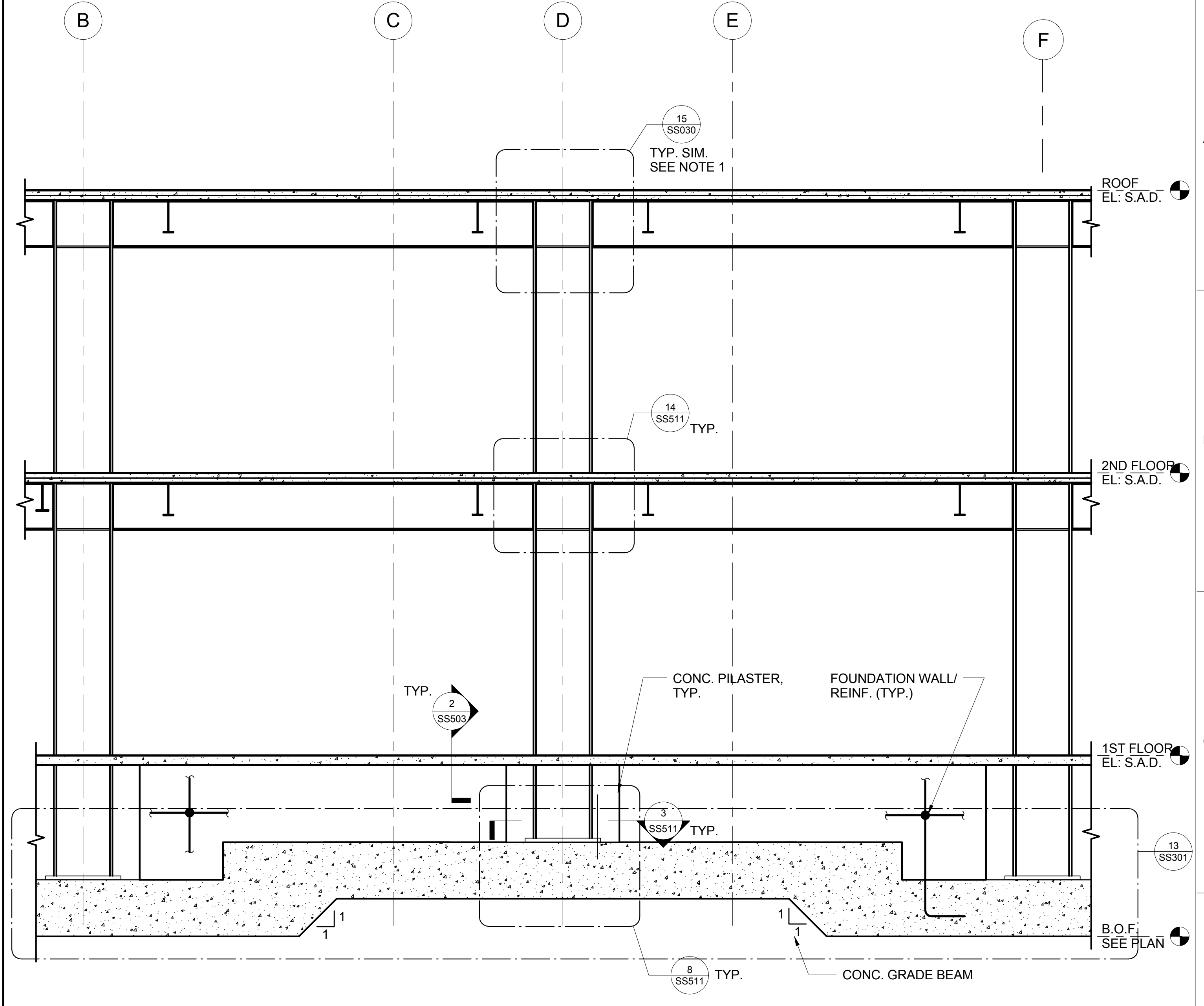
NOTES:
1. SEE 1/- FOR ADD'L INFO.

Amendment 3 9/12/12		Consultants Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6562 PHONE 415.981.3157 FAX #B0584015.00		Reviewing Agency - Fire Protection AON Fire Protection Engineering Aon Fire Protection Engineering Corporation 11770 Bernardo Plaza Court Suite 116 San Diego, CA 92128 t+1.858.673.5845 f+1.858.673.5849 www.aonpe.com Fire Protection Code Risk Life Safety Security		Architects/Engineers RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com 917 7th St. 2nd Floor Ste. 3 Sacramento, California 95814 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com		Drawing Title ELEVATOR PARTIAL PLANS Scale 3/8" = 1'-0" Approved Project Director		Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION Project No. #1017200 VA Contract No. VA261-P-0933 Location 975 KIRMAN AVE., RENO, NV Date 06/01/2012 Checked Drawn KLM SF112		VA Project No. 654-317 Building No. Drawing No. Office of Construction and Facilities Management Department of Veteran Affairs	
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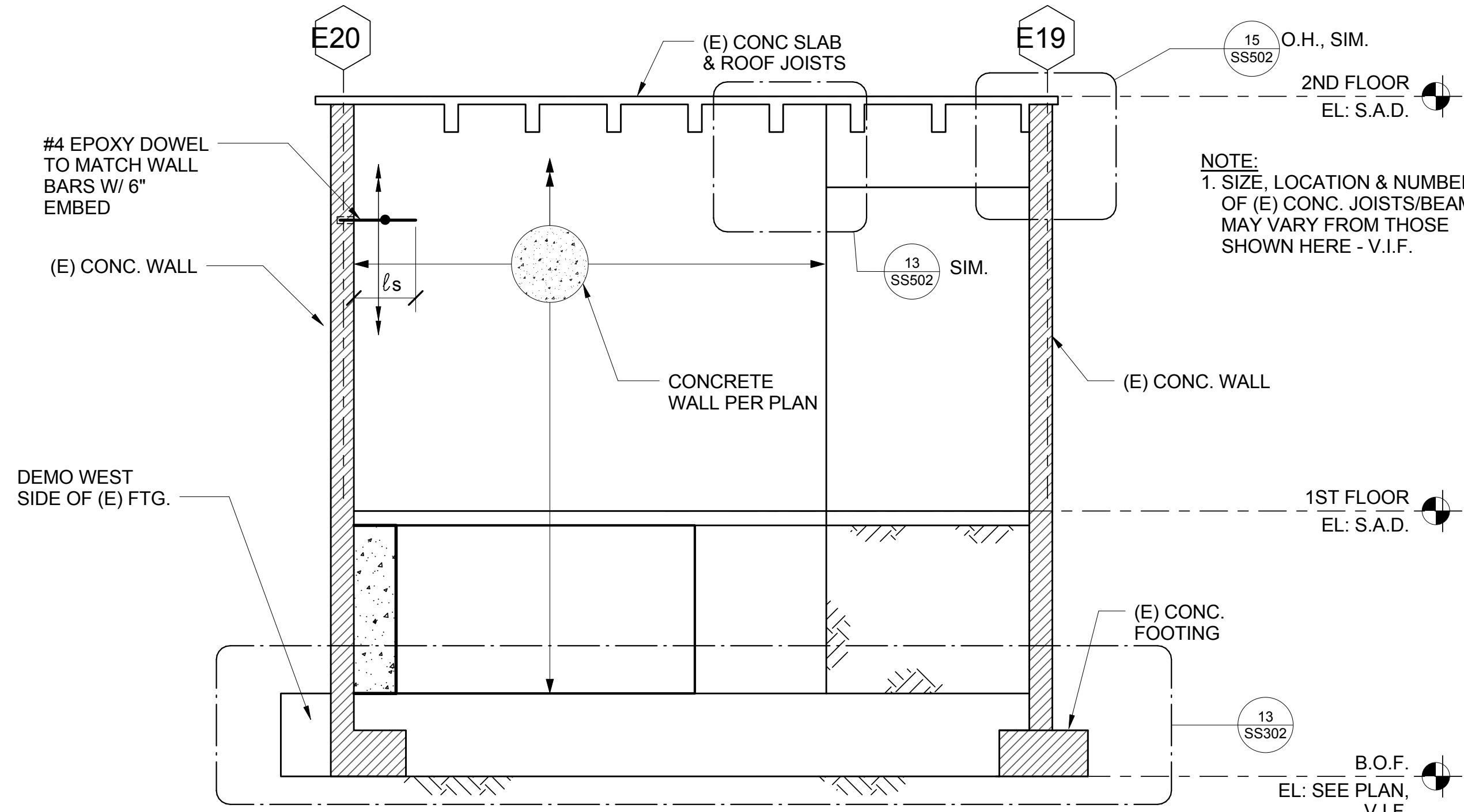
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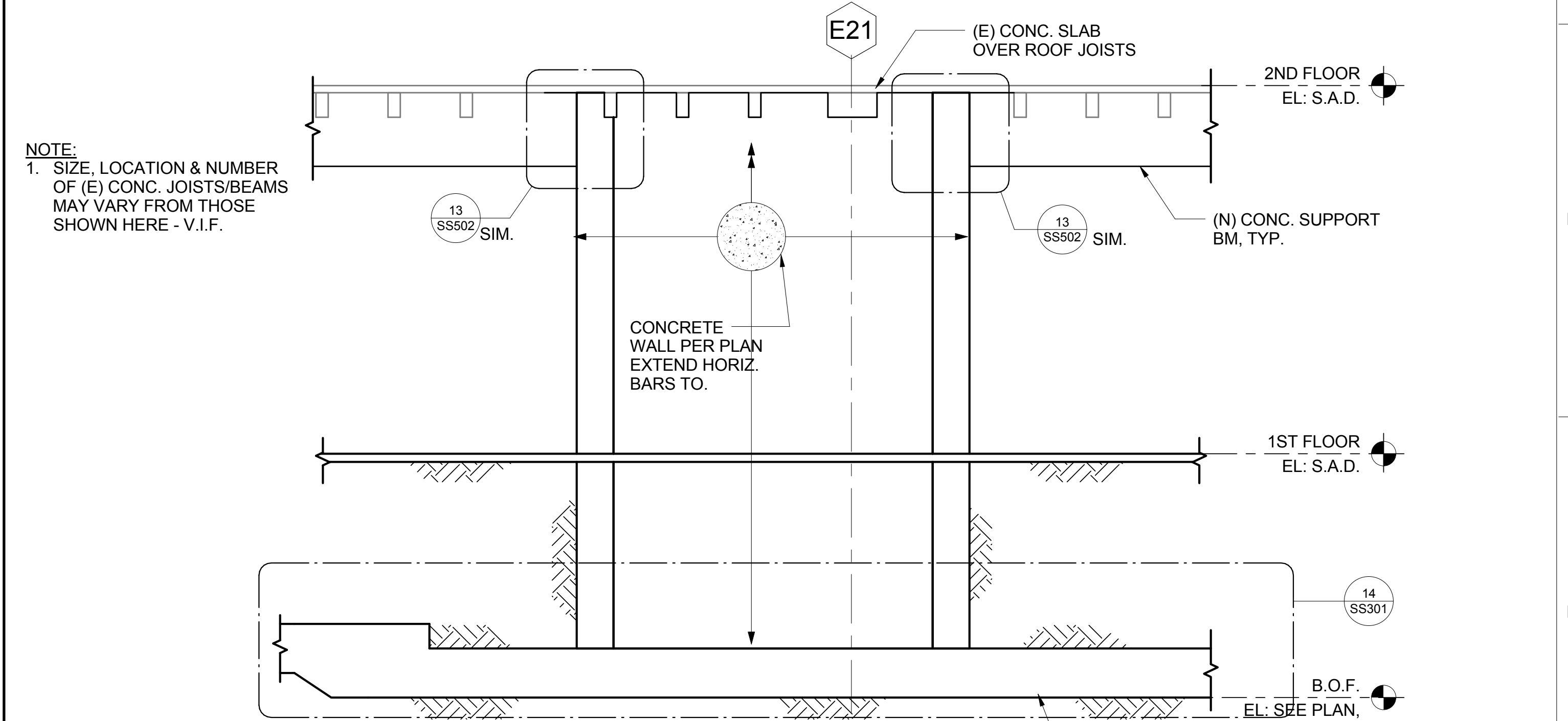
11 MOMENT FRAME ELEVATION
GRIDLINE 'E' (GRIDLINE C SIM.)
1/4" = 1'-0"



5 MOMENT FRAME
ELEVATION-GRIDLINE 5
1/4" = 1'-0"



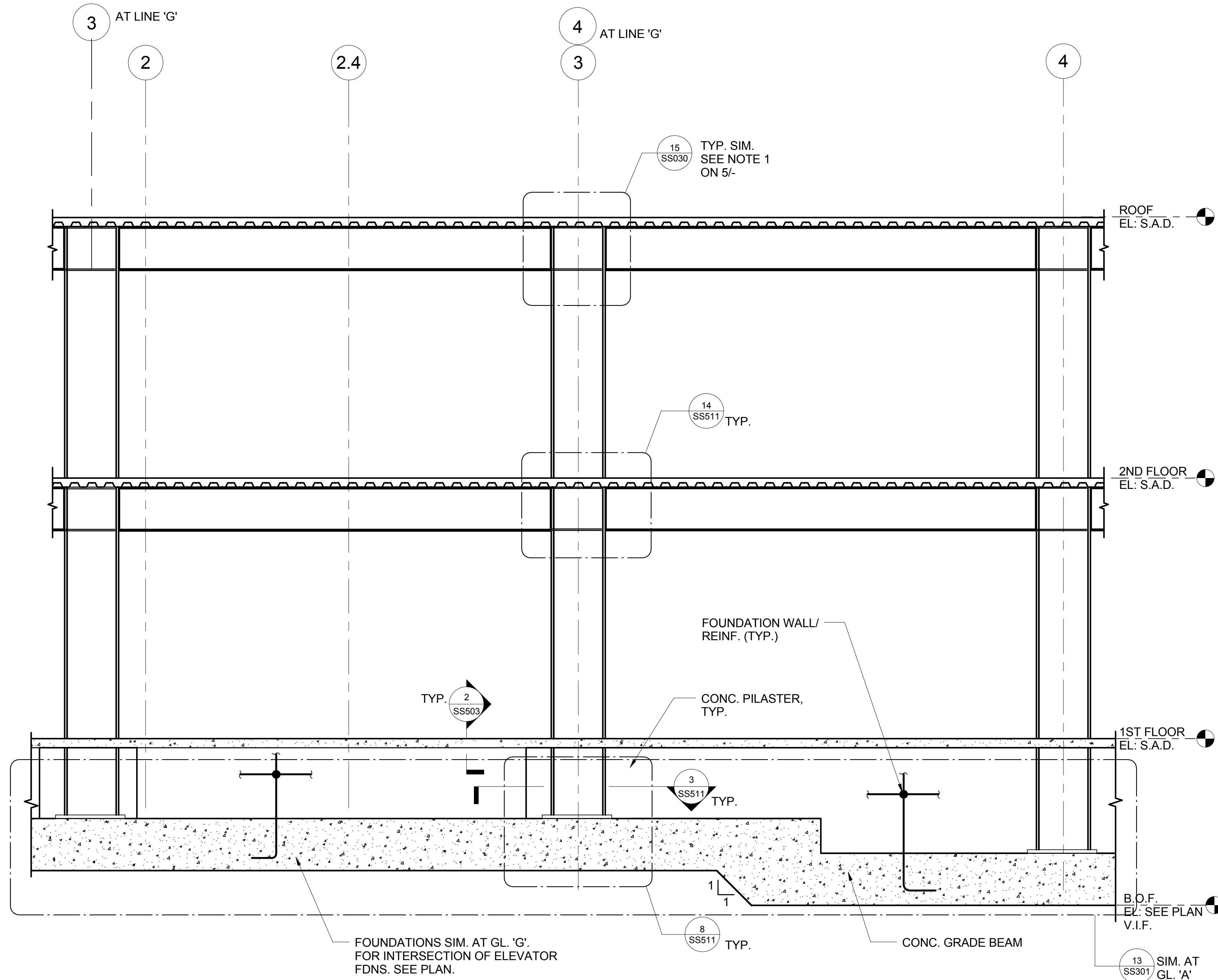
12 CONCRETE SHEAR WALL ELEVATION -
GRIDLINE H.2
1/4" = 1'-0"



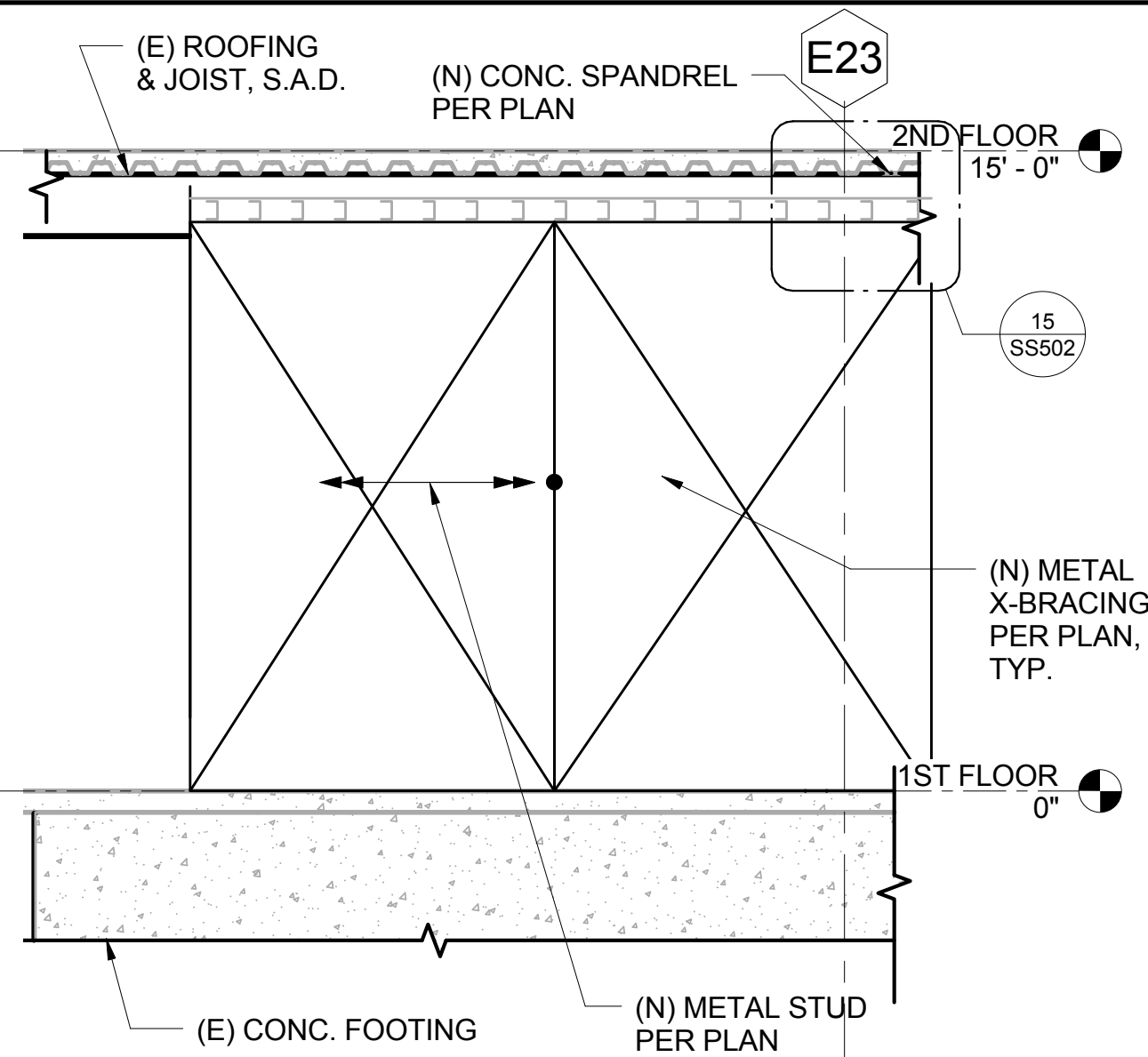
6 CONCRETE SHEAR WALL ELEVATION -
GRIDLINE J
1/4" = 1'-0"

Amendment 3		9/12/12		Consultants		Reviewing Agency - Fire Protection		Architects/Engineers		Drawing Title BUILDING ELEVATIONS		Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION		VA Project No. 654-317		Office of Construction and Facilities Management Department of Veteran Affairs			
				Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6562 PHONE 415.981.3157 FAX #B0584015.00		AON Fire Protection Engineering Aon Fire Protection Engineering Corporation 11770 Bernardo Plaza Court, Suite 116 San Diego, CA 92128 t+1.858.673.5845 f+1.858.673.5849 www.aonfire.com Fire Protection Code Risk Life Safety Security		RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com		Scale 1/4" = 1'-0"		Project No. #1017200		VA Contract No. VA261-P-0933				Building No.	
										Approved Project Director		Location 975 KIRMAN AVE., RENO, NV		Drawing No. SS201					
												Date 06/01/2012		Checked KLM				Drawn KLM	

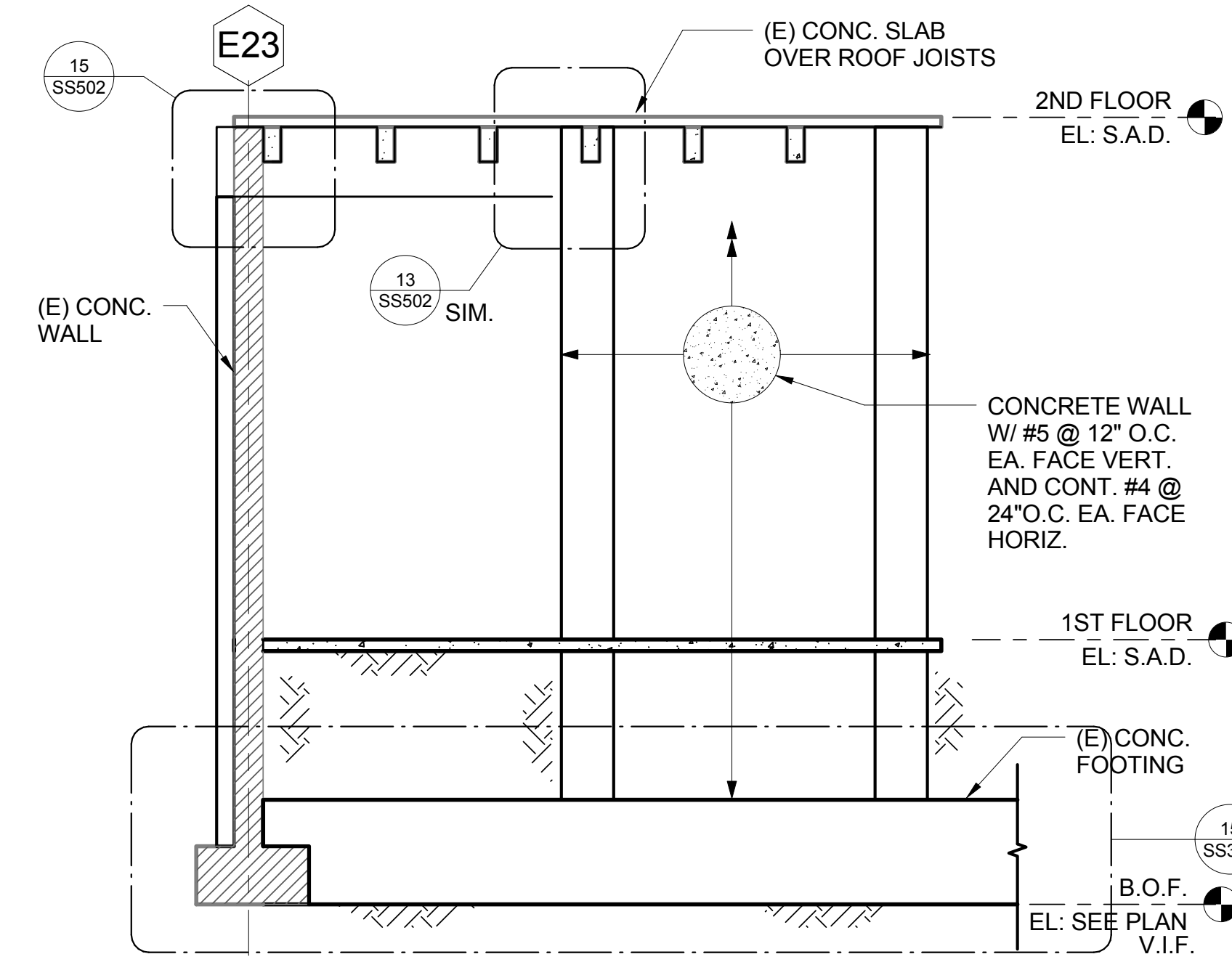
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one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



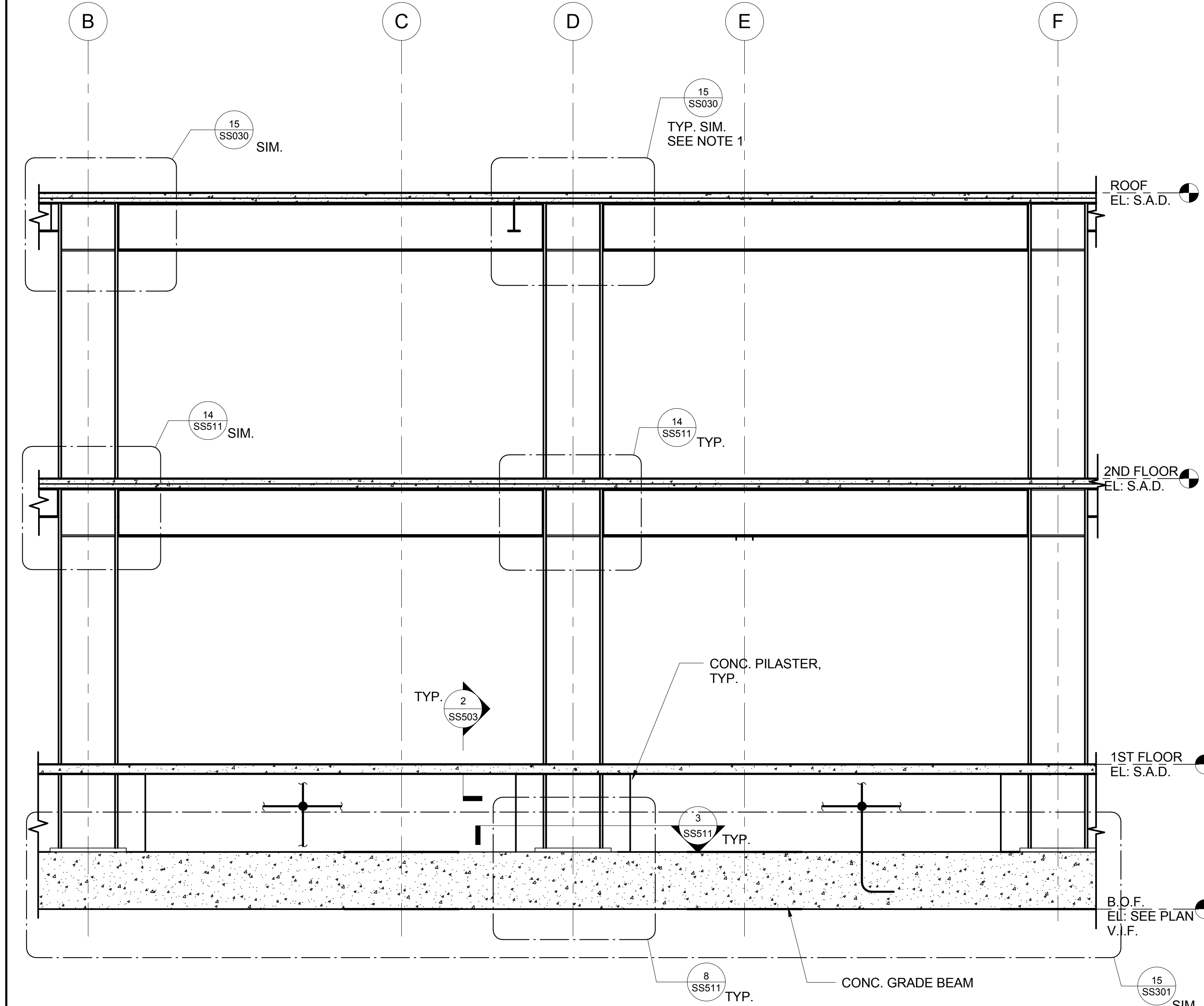
14 MOMENT FRAME ELEVATION -
GRIDLINE A
1/4" = 1'-0"



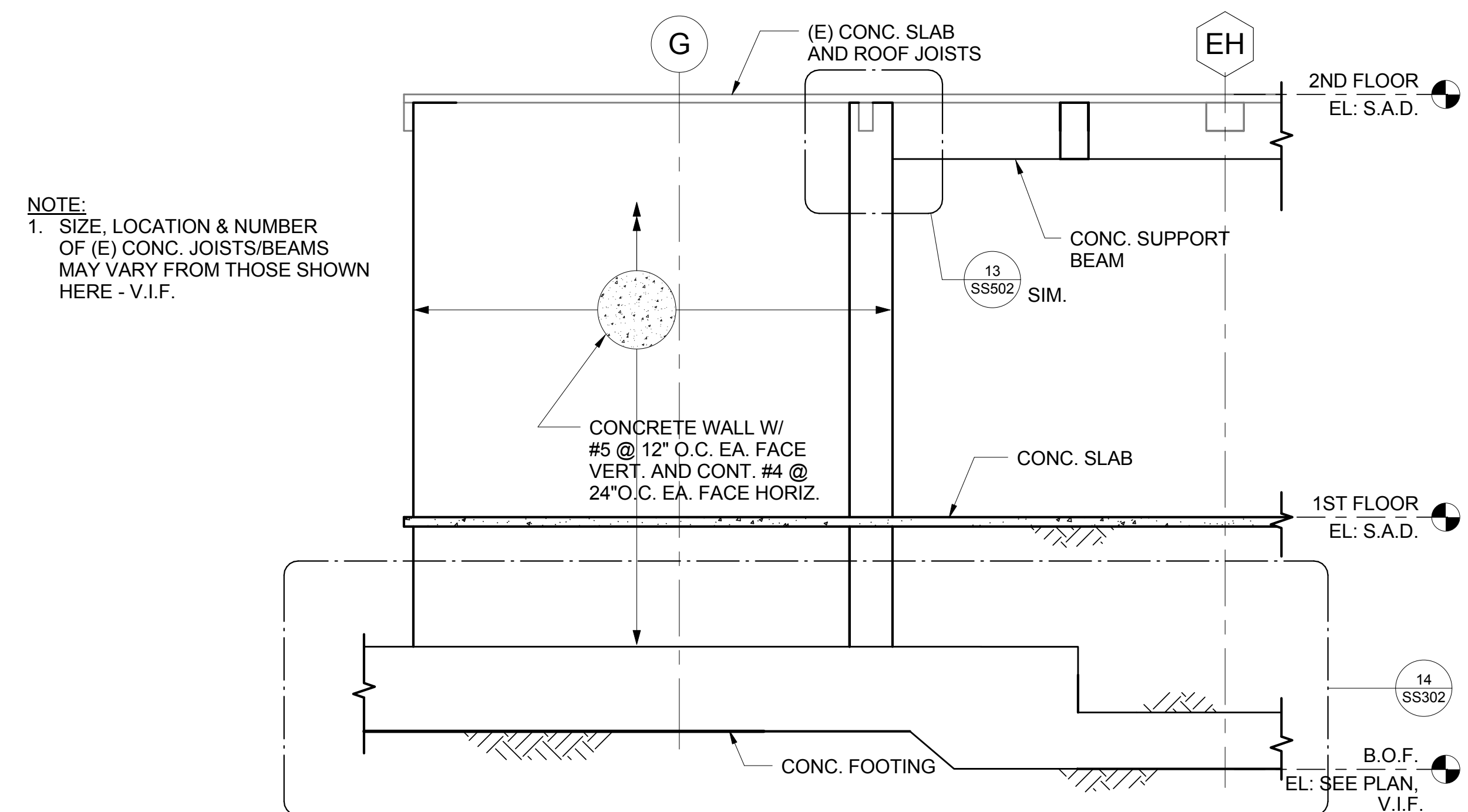
15 SOLARIUM CLOSURE WALL - SOUTH
OF GRIDLINE G
1/4" = 1'-0"



12 CONCRETE SHEAR WALL ELEVATION -
SOUTH OF GRIDLINE G
1/4" = 1'-0"



5 MOMENT FRAME ELEVATION -
GRIDLINE 2
1/4" = 1'-0"



6 CONCRETE SHEAR WALL ELEVATION -
WEST OF GRIDLINE E22
1/4" = 1'-0"

Amendment 3	9/12/12
Revisions	Date

Consultants

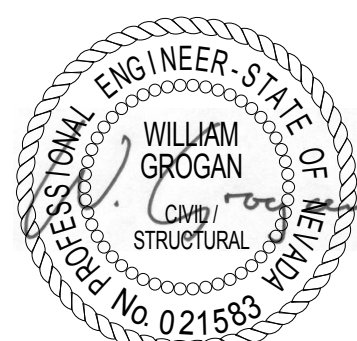
Degenkolb

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Reviewing Agency - Fire Protection

AON

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Fire Protection | Code | Risk | Life Safety | Security



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917 7th St. 2nd Floor Ste. 3
Sacramento, California 95814
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Facsimile 310 473 3555
www.rbbinc.com



Drawing Title
BUILDING ELEVATIONS

Scale
1/4" = 1'-0"

Approved Project Director

Project Title
VA RENO HEALTHCARE SYSTEM COMMUNITY
LIVING CENTER EXPANSION

Project No.
#1017200

Location
975 KIRMAN AVE., RENO, NV

Date
06/01/2012

Checked

Drawn
KLM

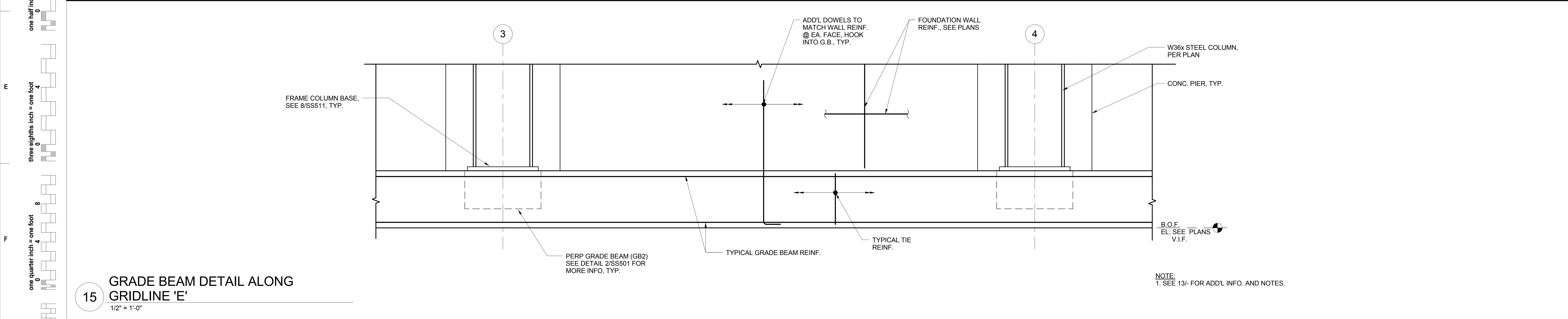
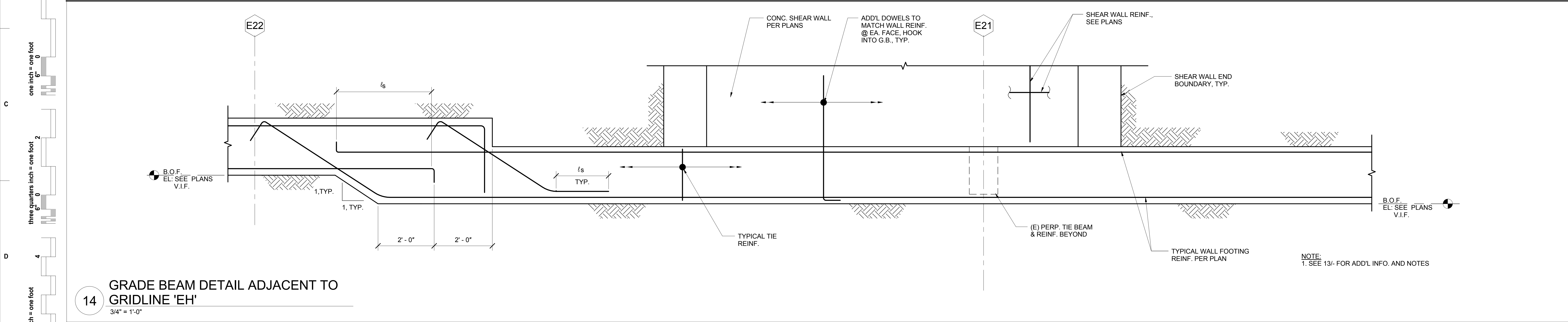
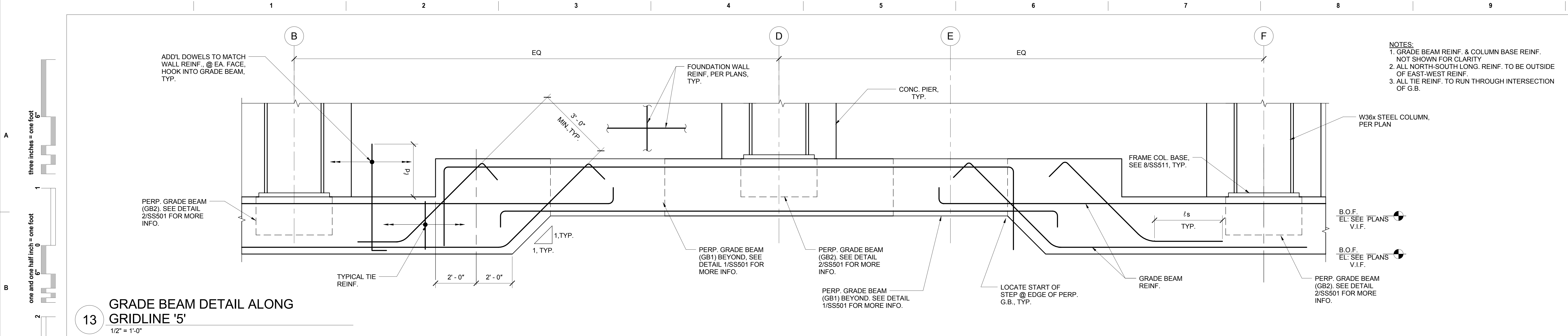
VA Project No.
654-317

Building No.

Drawing No.
SS202

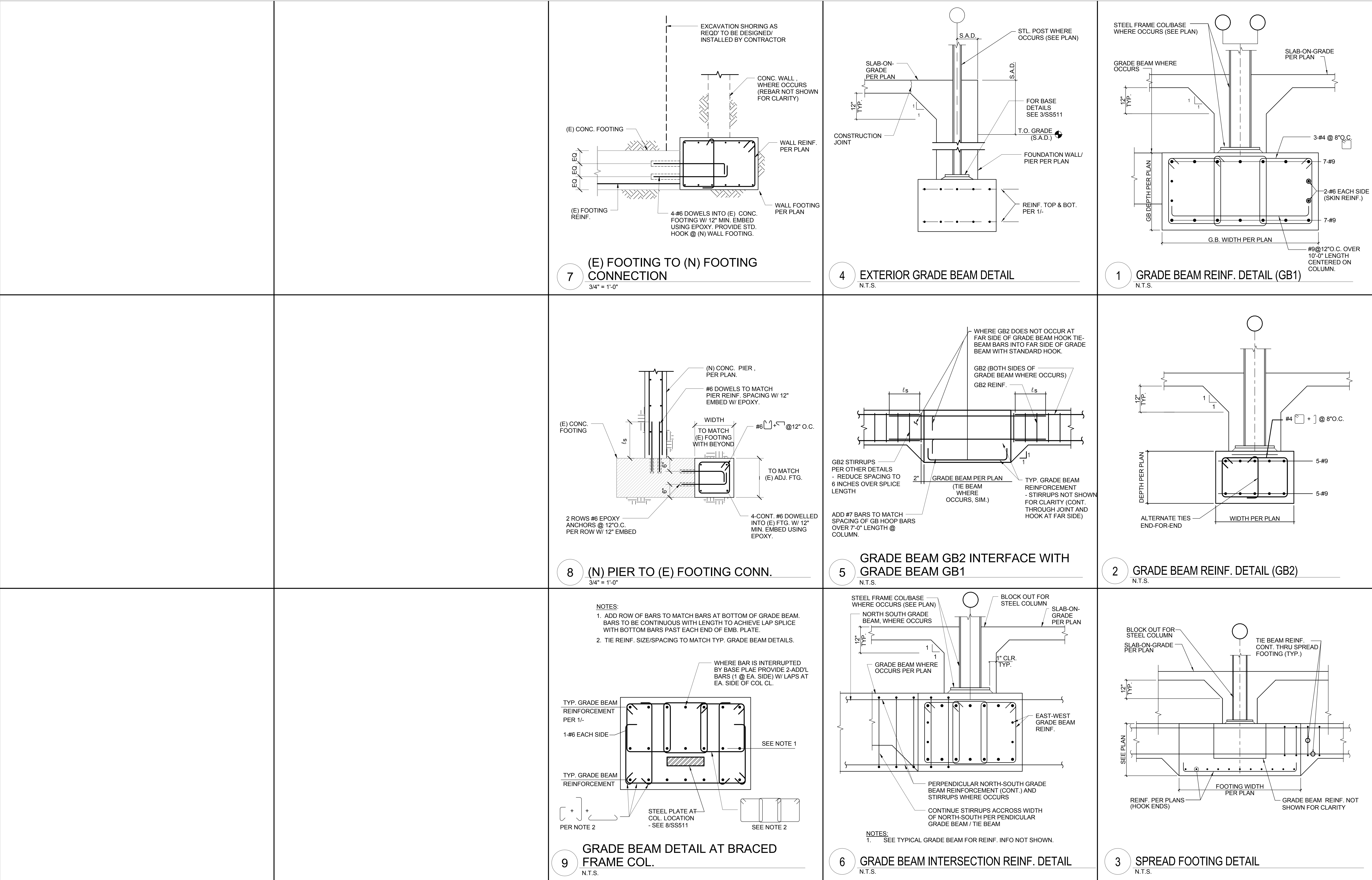
**Office of
Construction and
Facilities
Management**

Department of
Veteran Affairs



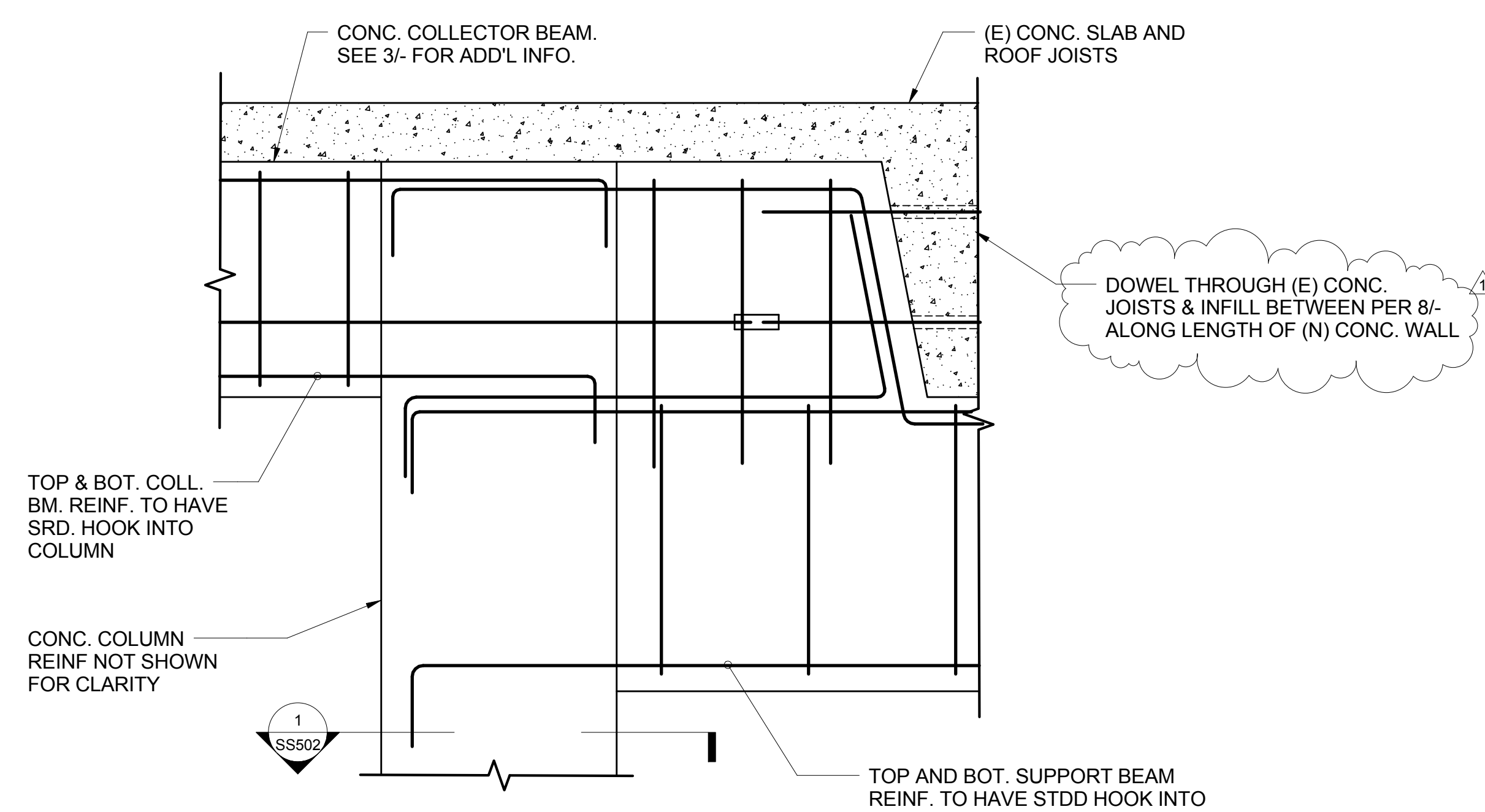
Amendment 3		9/12/12	Consultants		Reviewing Agency - Fire Protection				Architects/Engineers		Drawing Title DETAILS		Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION		VA Project No. 654-317		Office of Construction and Facilities Management  Department of Veteran Affairs			
			 DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6992 PHONE 415.981.3157 FAX #B0584015.00		 Fire Protection Engineering Aon Fire Protection Engineering Corporation 11770 Bernardo Plaza Court Suite 116 San Diego, CA 92128 t+1 858 673 5845 f+1 858 673 5849 www.aonfire.com Fire Protection Code Risk Life Safety Security		RBB ARCHITECTS INC 10980 Wilshire Boulevard Los Angeles, California 90024-3905 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com		917 7th St. 2nd Floor Ste. 3 Sacramento, California 95814 Telephone 310 473 3555 Facsimile 310 473 3555 www.rbbinc.com		Scale As indicated		Project No. #1017200		VA Contract No. VA261-P-0933				Building No.	
											Approved Project Director		Location 975 KIRMAN AVE., RENO, NV		Drawing No.					
Revisions		Date											Date 06/01/2012		Checked	Drawn KLM				

A
three inches = one foot
6"
1
one and one half inch = one foot
6"
2
one inch = one foot
6"
3
three quarters inch = one foot
6"
4
one half inch = one foot
6"
5
three eighths inch = one foot
6"
8
one quarter inch = one foot
6"
16
one eighth inch = one foot
6"

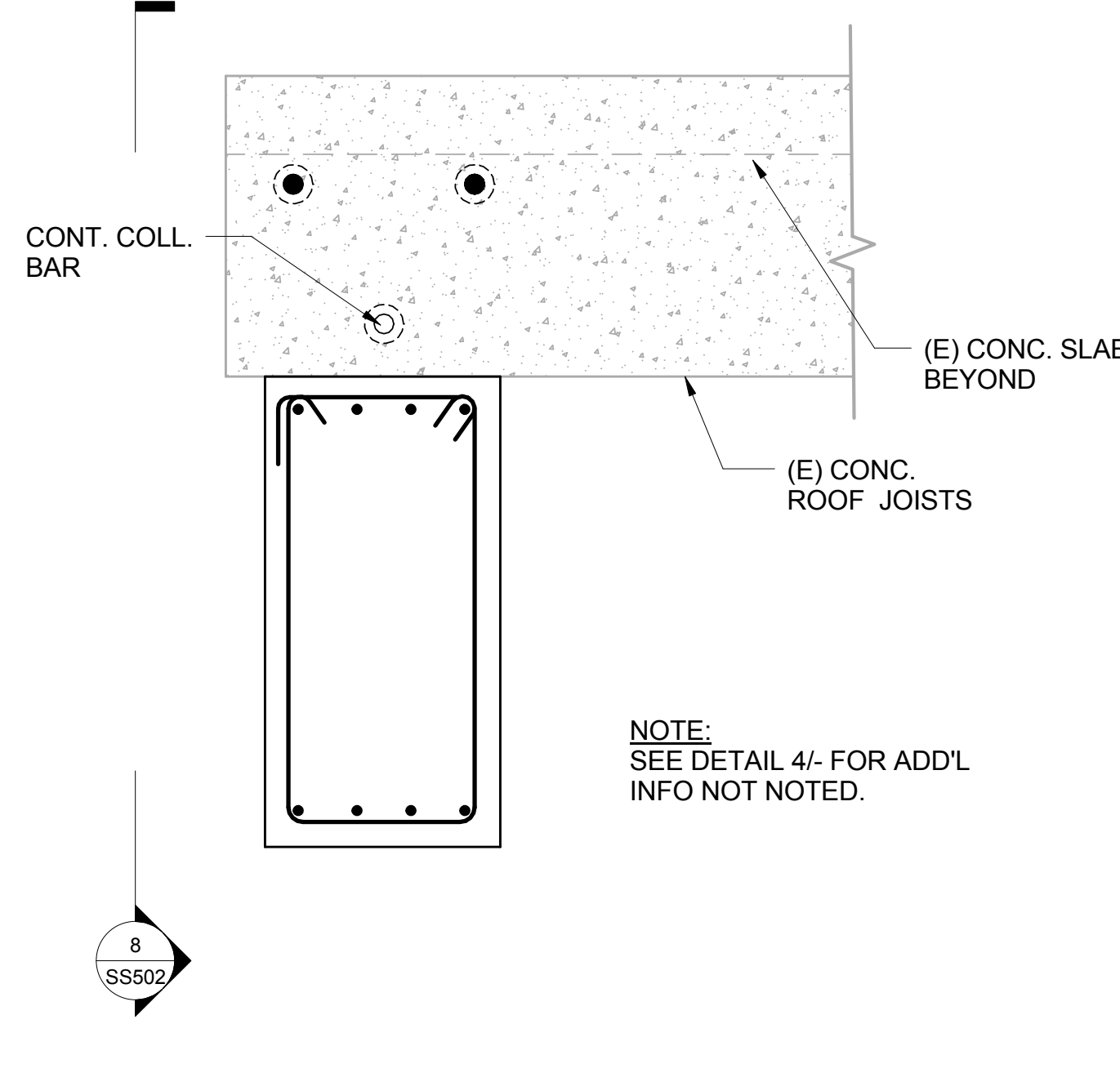


BID DOCUMENTS

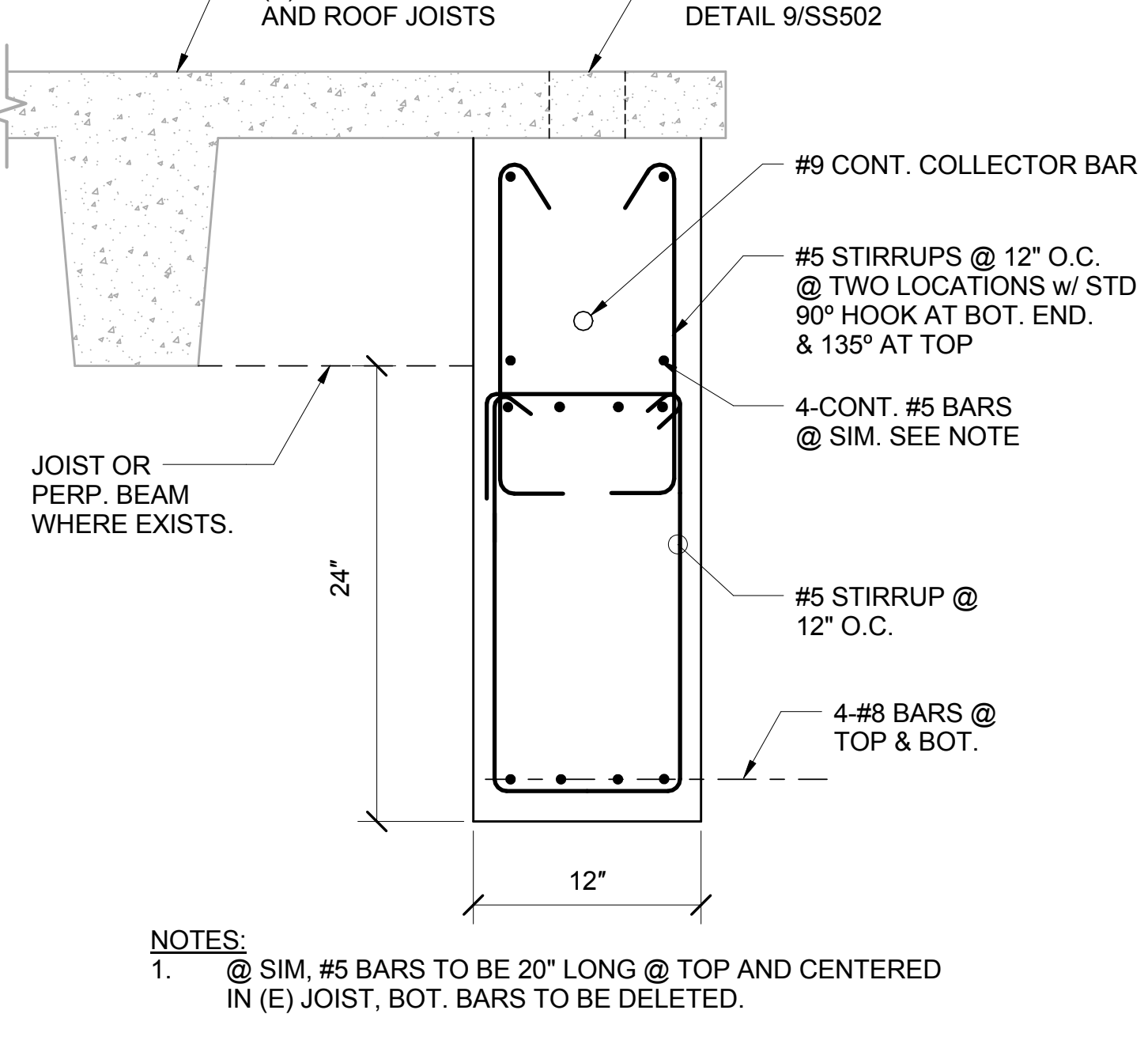
three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



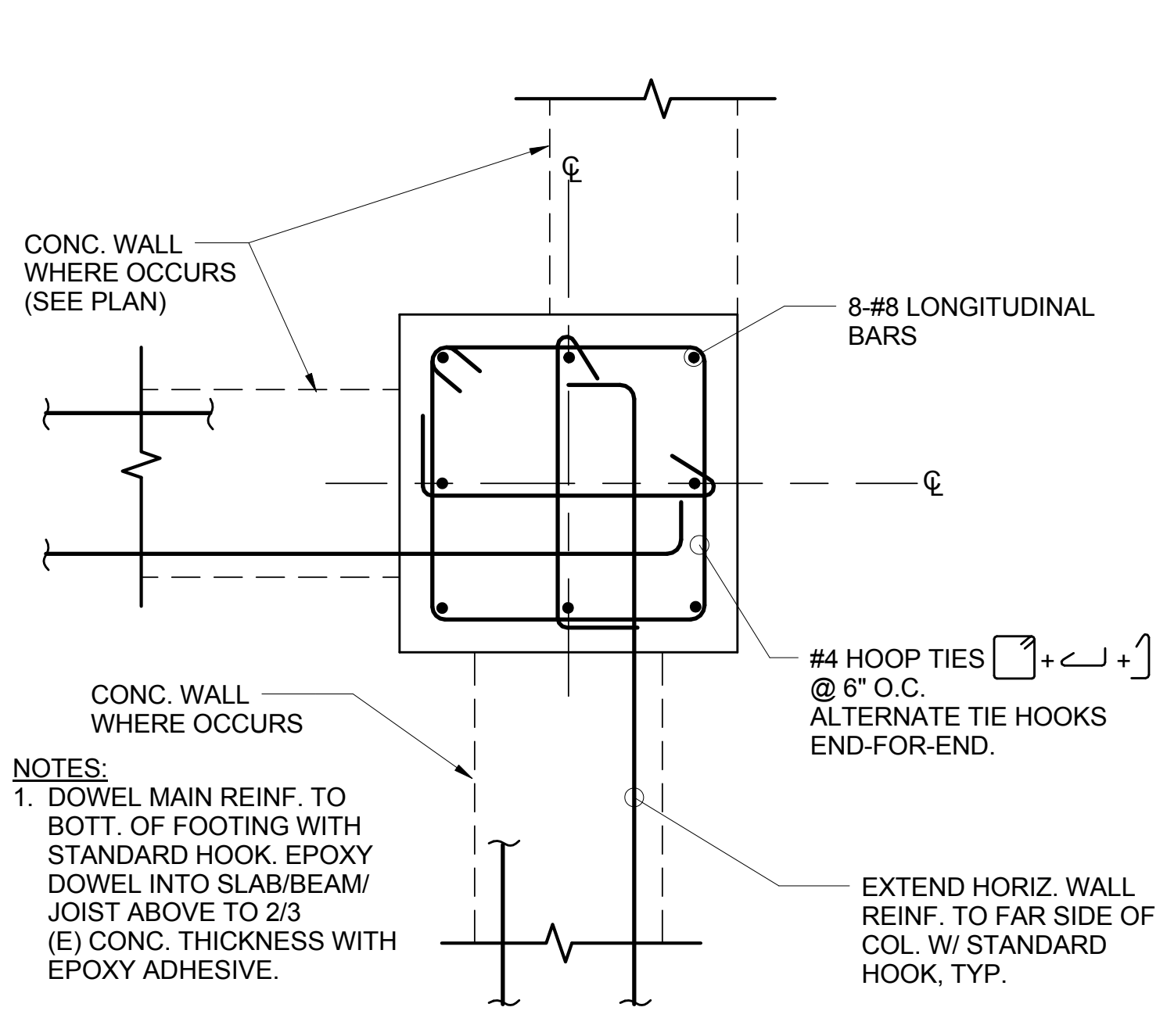
13 COLUMN-BEAM CONNECTION
1 1/2" = 1'-0"



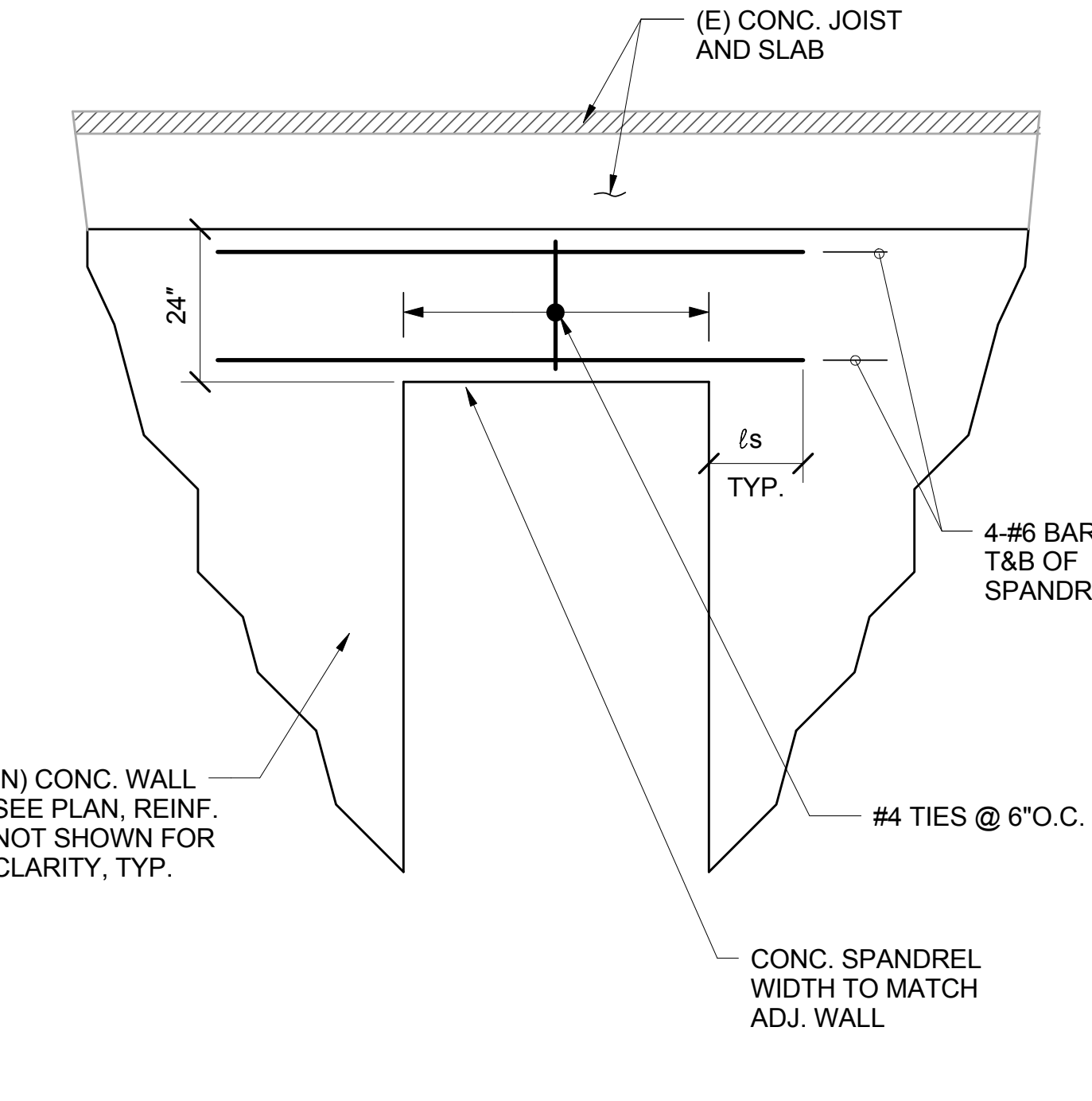
7 SUPPORT BEAM PERP TO JOIST @ JOIST
1 1/2" = 1'-0"



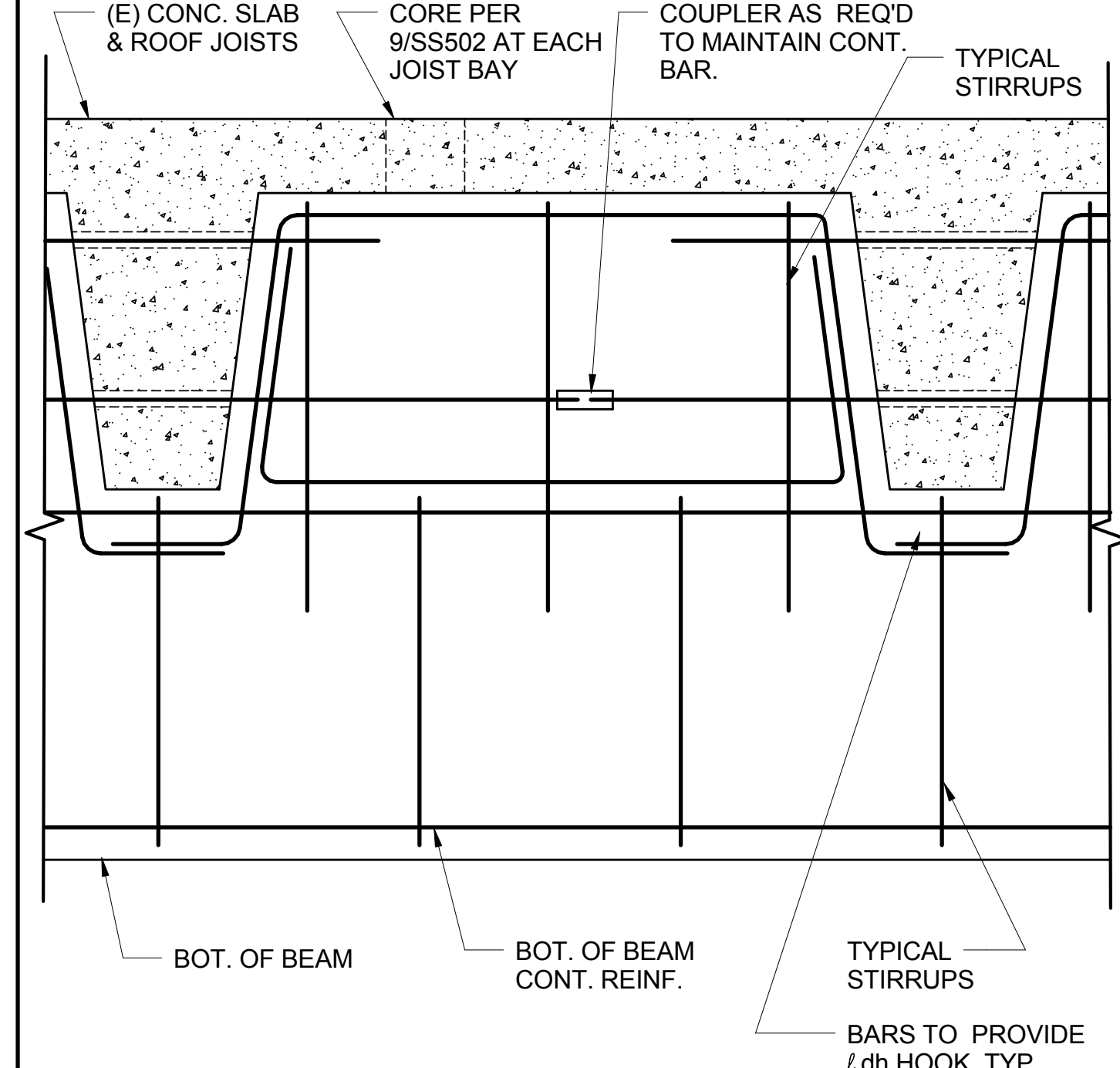
4 SUPPORT BEAM PARALLEL TO JOISTS @ SLAB
1 1/2" = 1'-0"



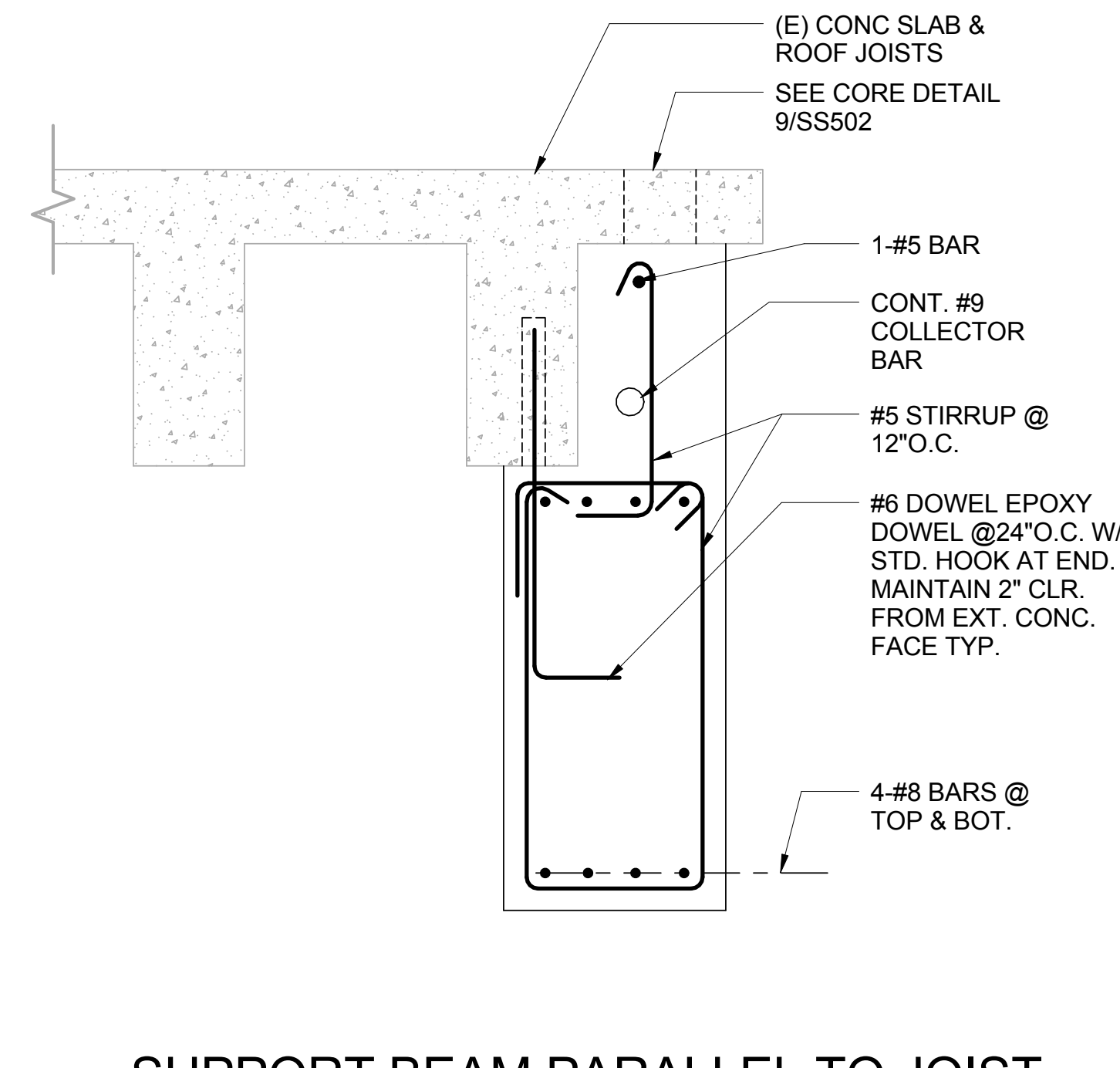
1 COLUMN CC1 & CC2 - SECTION
1 1/2" = 1'-0"



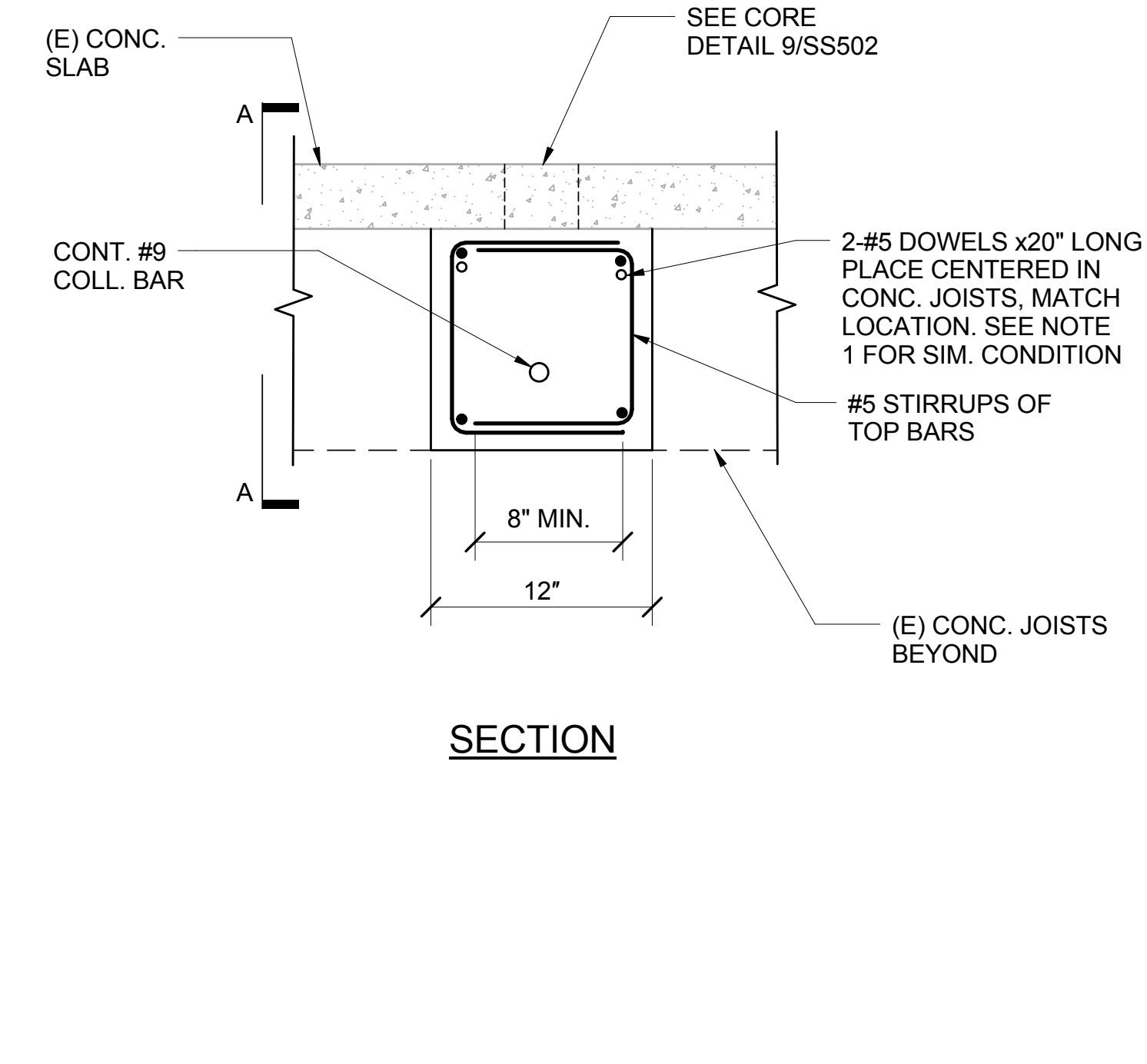
11 (N) SPANDREL DETAIL
1/2" = 1'-0"



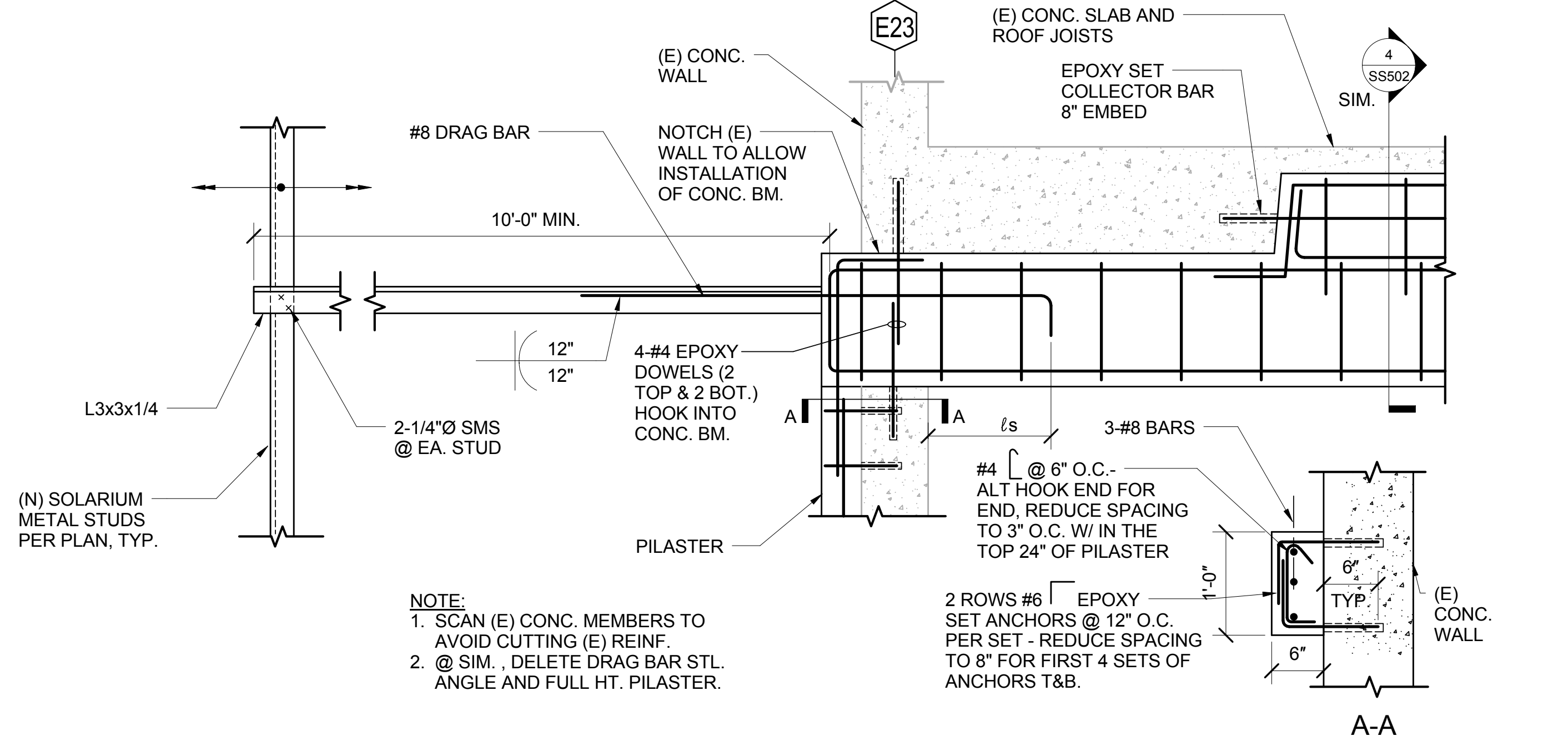
8 SUPPORT BEAM
1 1/2" = 1'-0"



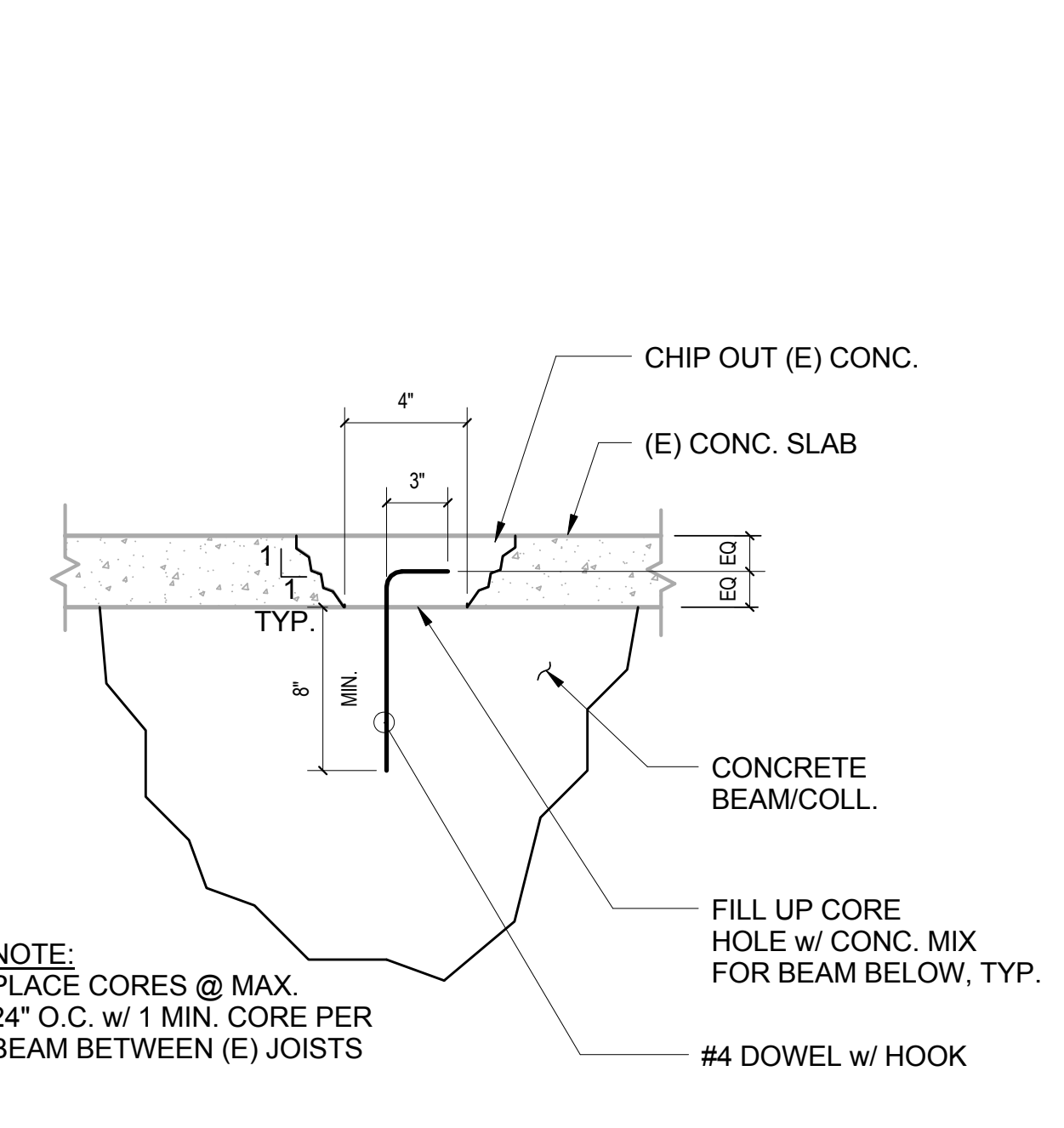
5 SUPPORT BEAM PARALLEL TO JOIST @ JOIST
1 1/2" = 1'-0"



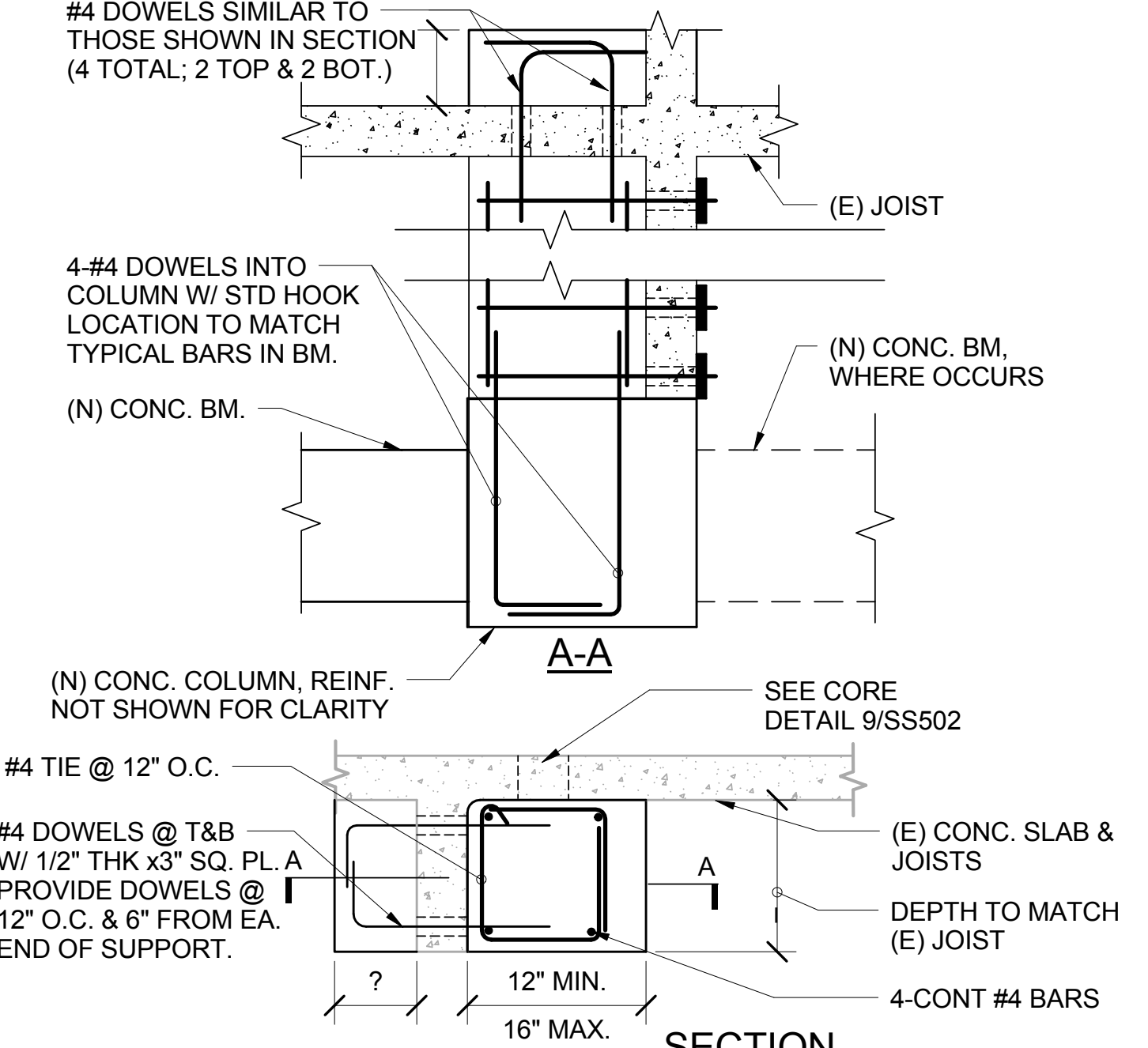
3 COLLECTOR SECTION
1 1/2" = 1'-0"



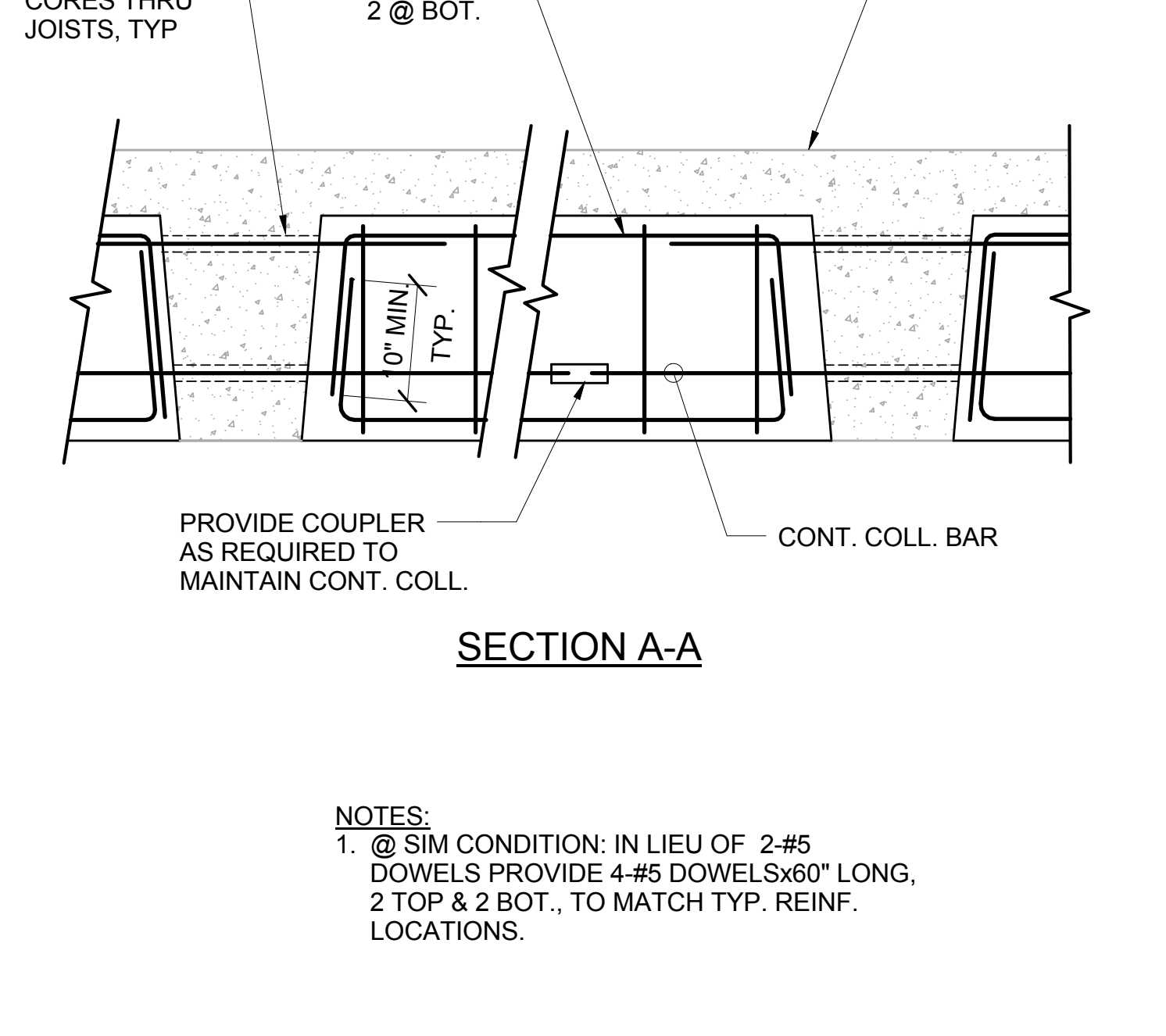
15 SUPPORT BEAM - PILASTER CONN. DETAIL
3/4" = 1'-0"



9 CORE DETAIL
1 1/2" = 1'-0"



6 SUPPORT BEAM PERP. TO JOIST @ SLAB
1" = 1'-0"



3 COLLECTOR SECTION
1 1/2" = 1'-0"

Amendment 1	8/22/12
Amendment 3	9/12/12
Revisions	Date

Consultants

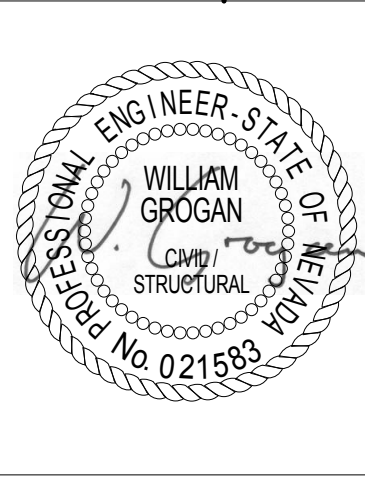
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RBB

Drawing Title
DETAILS

Scale
As indicated

Approved Project Director

Project Title VA RENO HEALTHCARE SYSTEM COMMUNITY LIVING CENTER EXPANSION		VA Project No. 654-317	
Project No. #1017200		VA Contract No. VA261-P-0933	
Location 975 KIRMAN AVE., RENO, NV		Building No.	
Date 06/01/2012		Checked KLM	Drawn KLM
		Drawing No. SS502	

Office of Construction and Facilities Management

Department of Veteran Affairs

A

B

C

D

E

F

A

B

C

D

E

F

three inches = one foot
6"

one and one half inch = one foot
6"

one inch = one foot
6"

three quarters inch = one foot
6"

one half inch = one foot
6"

three eighths inch = one foot
6"

one quarter inch = one foot
6"

one eighth inch = one foot
6"

Amendment 3	9/12/12
Revisions	Date

Consultants

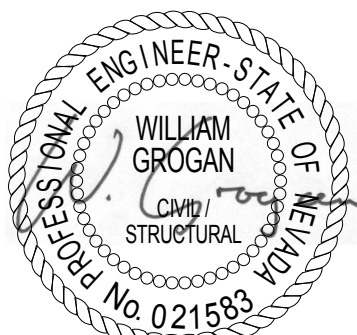
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RBB

Drawing Title
DETAILS

Scale
As indicated

Approved Project Director

Project Title
VA RENO HEALTHCARE SYSTEM COMMUNITY
LIVING CENTER EXPANSION

Project No.
#1017200

VA Contract No.
VA261-P-0933

Location
975 KIRMAN AVE., RENO, NV

Date
06/01/2012

Checked
KLM

Drawn
KLM

VA Project No.
654-317

Building No.

Drawing No.
SS503

**Office of
Construction and
Facilities
Management**

**Department of
Veteran Affairs**

**7 BM. SUPPORT TO WALL W/ PILASTER
DETAIL**
1" = 1'-0"

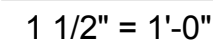
4 STAIR STRINGER FOOTING
3/4" = 1'-0"

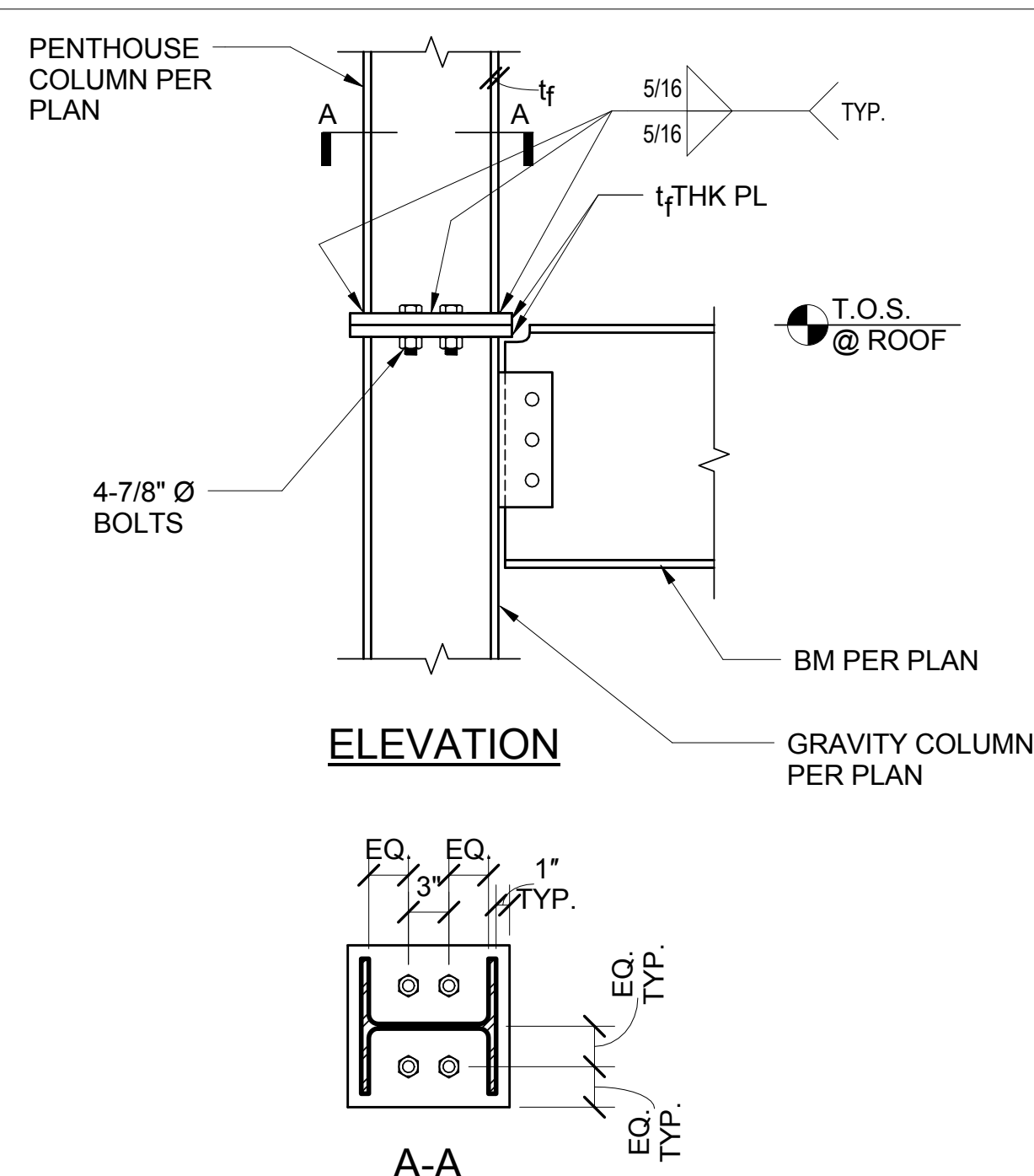
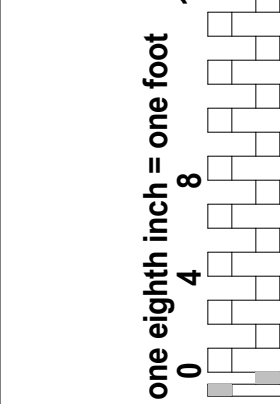
1 COLUMN PIER DETAIL (P1)
3/4" = 1'-0"

2 COLUMN SLAB COLLECTOR
1" = 1'-0"

6 COLUMN PIER DETAIL (P2)
1" = 1'-0"

3 COLLECTOR END CONNECTION
1 1/2" = 1'-0"

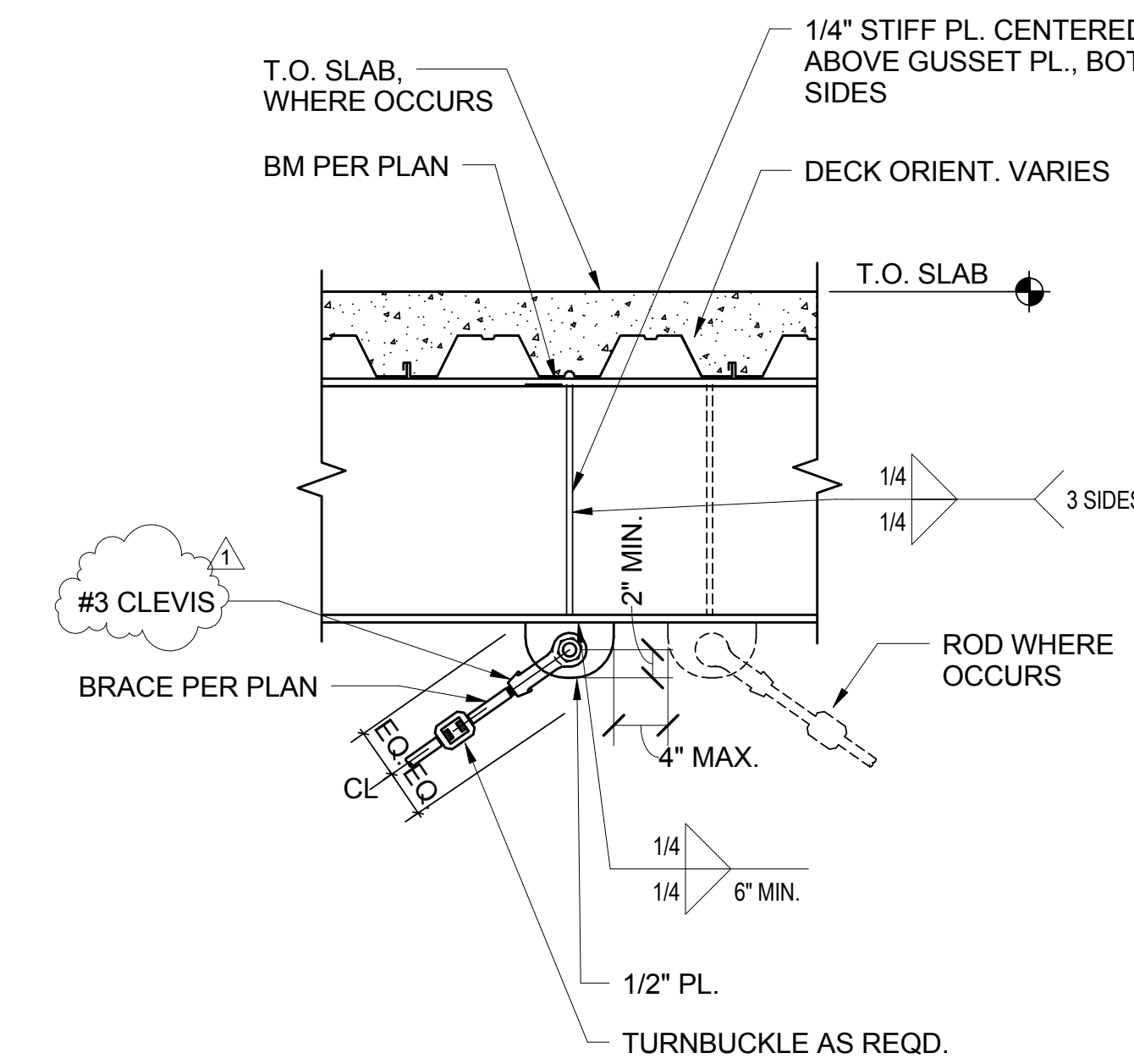




4 GRAVITY COL. TO
PENTHOUSE COL. CONNECTION
1" = 1'-0"

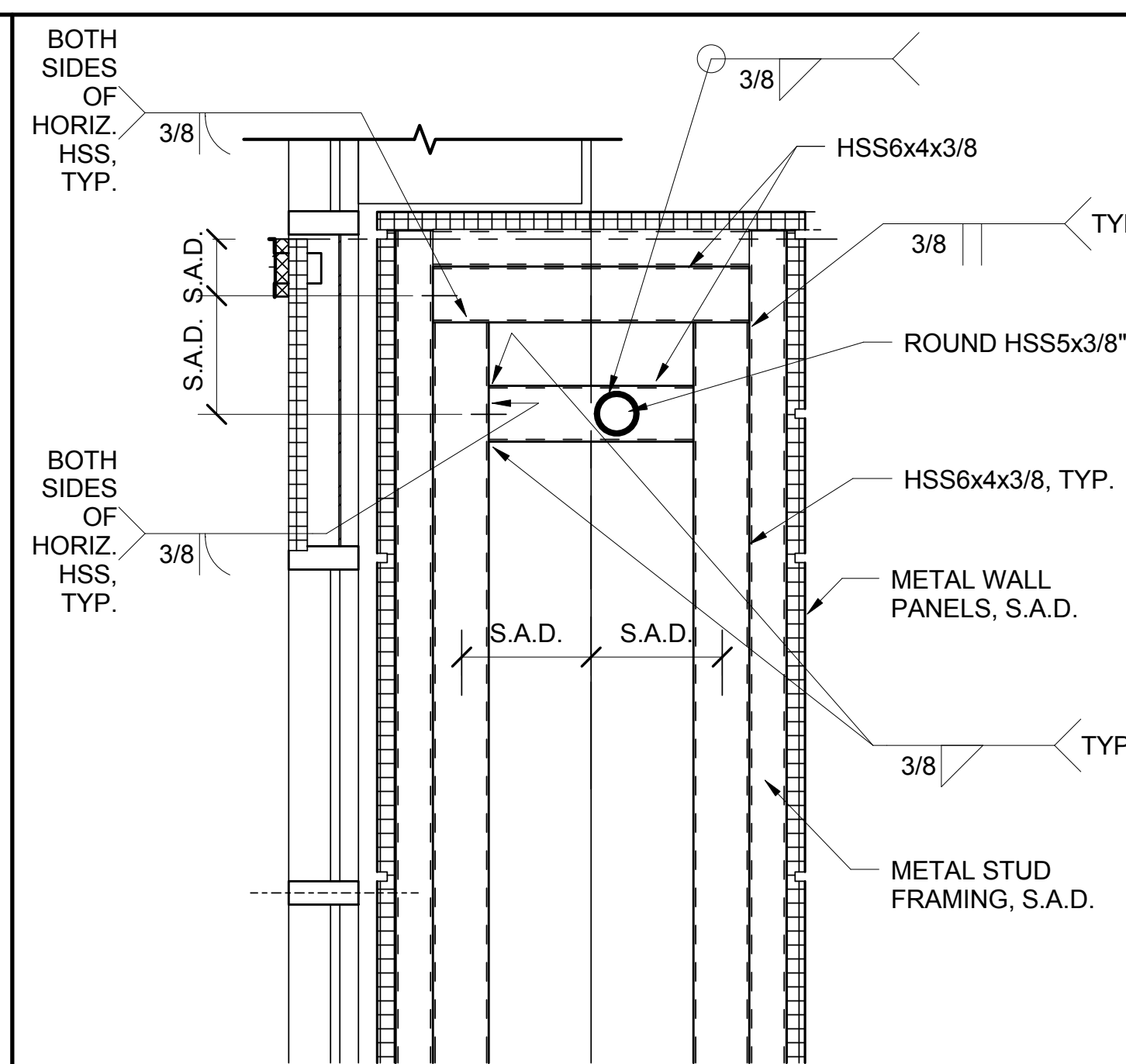


1 ROD BRACE DETAIL @ BM COL. CONN.
N.T.S.

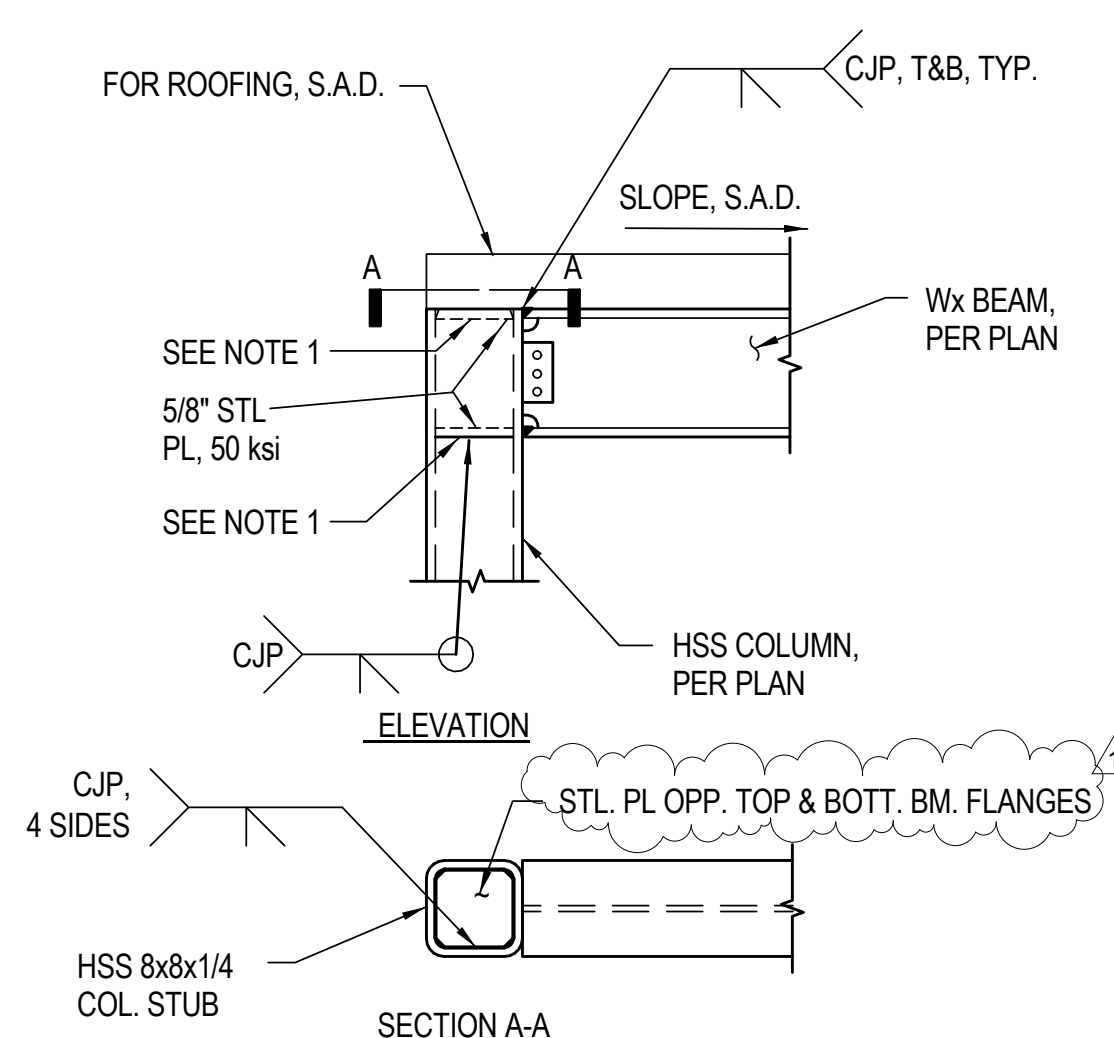


8 ROOF EYEBROW DETAIL

2 ROD BRACE DETAIL @ BEAM
N.T.S.



6 FIN DETAIL
3/4" = 1'-0"



3 VESTIBULE BEAM TO COLUMN CONNECTION

Architects/Engineers

Drawing Title DETAILS

Approved Project Director

 Department of
Veteran Affairs