

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS OF THE EXISTING CONSTRUCTION AS SHOWN ON THESE DRAWINGS AND IMMEDIATELY REPORT TO THE STRUCTURAL ENGINEER ANY AND ALL DISCREPANCIES OR OMISSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY DETERMINE THE ACTUAL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION.
2. ALL EXISTING CONSTRUCTION ADJACENT TO NEW WORK IS TO BE ADEQUATELY SUPPORTED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY NEW OR EXISTING CONSTRUCTION DAMAGED WHILE WORK IS IN PROGRESS OR DAMAGED AS A RESULT OF PERFORMING THE WORK.
3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES, AND THE SHOP DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND INSTALLATION OF ALL SLEEVES, INSERTS, HANGERS AND SIMILAR ITEMS.
4. THIS STRUCTURE IS DESIGNED TO BE STABLE AND SELF SUPPORTING AT THE COMPLETION OF THE CONSTRUCTION. ALL TEMPORARY BRACES, GUYS, SHORING, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES AND SEQUENCING, AND SHALL COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND ACCOUNTING FOR ALL UNDERGROUND UTILITIES IN THE AREA PRIOR TO START OF EXCAVATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE OWNERS STANDARD SPECIFICATIONS FOR MATERIAL, WORKMANSHIP AND CONSTRUCTION PROCEDURES.

DESIGN LOADS

DESIGN LOADS FOR THIS STRUCTURE ARE IN ACCORDANCE WITH THE 2010 EDITION OF THE BUILDING CODE OF NEW YORK STATE, AND ARE AS FOLLOWS:

BUILDING OCCUPANCY CATEGORY:	IV
DEAD WEIGHT OF NEW FLOOR STRUCTURE:	70 PSF
FLOOR DESIGN LIVE LOAD:	100 PSF
DEAD WEIGHT OF ROOF STRUCTURE:	6 PSF
SUPERIMPOSED DEAD LOAD ON ROOF:	7 PSF
GROUND SNOW LOAD (S _G):	50 PSF
FLAT ROOF SNOW LOAD (S _F):	56 PSF
SNOW EXPOSURE FACTOR (C _e):	1.2
SNOW LOAD THERMAL FACTOR (C _t):	1.1
SNOW LOAD IMPORTANCE FACTOR (C _i):	1.2
SNOW LOAD EXPOSURE CATEGORY:	'B'
NET UPLIFT ON ROOF STRUCTURE:	10 PSF
BASIC WIND SPEED (3-SECOND GUST):	90 MPH
WIND IMPORTANCE FACTOR (C _w):	1.15
WIND EXPOSURE CATEGORY:	'B'
WIND DIRECTIONALITY FACTOR (K _d):	1.0
WIND TOPOGRAPHIC FACTOR (K _z):	1.0
GUST EFFECT FACTOR:	0.85
BUILDING ENCLOSURE CLASSIFICATION:	ENCLOSED
COMPONENTS & CLADDING WIND LOADING:	PER ASCE 7-05
SEISMIC DESIGN CATEGORY:	'IC'
SEISMIC IMPORTANCE FACTOR (I _s):	1.5
SPECTRAL RESPONSE COEFFICIENT (S _s):	0.226
SPECTRAL RESPONSE COEFFICIENT (S ₁):	0.04
SITE CLASSIFICATION:	'D'
SEISMIC FORCE RESISTING SYSTEM:	INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
DESIGN BASE SHEAR:	7.8 KIPS (BASE BID) & 13.2 KIPS (ALTERNATE)
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE
SEISMIC RESPONSE MODIFICATION FACTOR:	3.5

EARTHWORK NOTES

1. ALL BUILDING FOUNDATIONS SHALL BEAR DIRECTLY ON SUITABLE, UNDISTURBED INDIGENOUS SOIL SUBGRADES OR ON ENGINEERED FILL (COMPACTED STRUCTURAL FILL OR SUITABLE FLOWABLE FILL). ALL BEARING SURFACES ARE TO BE INSPECTED AND APPROVED PRIOR TO PLACING FOUNDATIONS.
2. ALL FILL MATERIAL PLACED BENEATH FLOOR SLABS AND FOUNDATIONS SHALL BE SPREAD IN MAXIMUM 8" THICK LAYERS AND UNIFORMLY COMPACTED TO AT LEAST 98% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557). IN OVEREXCAVATED AREAS OR CONFINED AREAS, THE FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS AND COMPACTED TO 95% USING A MANUALLY OPERATED COMPACTOR.
3. ALL FOUNDATIONS HAVE BEEN DESIGNED USING AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
4. THE SUITABILITY AND STABILITY OF EXISTING SOILS, THE DEPTHS AND LATERAL LIMITS OF UNSUITABLE MATERIAL TO BE REMOVED, AND ADEQUACY OF FOUNDATION BEARING GRADES SHALL BE CONFIRMED PRIOR TO PLACING FOUNDATIONS.
5. IMPORTED ENGINEERED STRUCTURAL FILL PLACED AS FILL BENEATH PROPOSED FOUNDATIONS AND AS BACKFILL AGAINST PROPOSED FOUNDATIONS SHALL BE A MATERIAL CONSISTING OF PREDOMINATELY GRANULAR SOILS, FREE FROM ORGANIC MATTER, CLAY, ICE, DEBRIS, OR OTHER DELETERIOUS MATERIAL.
6. FLOWABLE BACKFILL MATERIAL, IF USED, SHALL BE A NON-SWELLING TYPE MATERIAL AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 250 PSI. ALL FLOWABLE BACKFILL SHALL EXTEND AT LEAST 12 INCHES HORIZONTALLY BEYOND THE LIMITS OF THE FOUNDATIONS FOR ITS ENTIRE DEPTH.
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO ADEQUATELY CONTROL SURFACE RUNOFF AND GROUNDWATER SEEPAGE ON A CONTINUOUS BASIS DURING CONSTRUCTION. NO SURFACE RUNOFF OR GROUNDWATER WILL BE PERMITTED TO ENTER CONSTRUCTION EXCAVATIONS. ALL BACKFILL OPERATIONS SHALL BE CONDUCTED IN DRY AREAS ONLY.
8. TAKE ALL NECESSARY PRECAUTIONS WHEN EXCAVATING NEXT TO EXISTING BUILDINGS TO AVOID DAMAGE TO EXISTING FOUNDATIONS. PROVIDE TEMPORARY SHORING IN THESE AREAS AS REQUIRED.
9. ALL EXCAVATIONS SHALL FULLY CONFORM TO ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
10. BACKFILL BOTH SIDES OF FOUNDATION WALLS IN EQUAL, ALTERNATE LIFTS IN ORDER TO AVOID IMPOSING EXCESSIVE UNBALANCED LATERAL PRESSURE ON THE WALLS.
11. ALLOW TESTING AGENCY TO INSPECT AND APPROVE ALL COMPACTED SUBGRADE AND FILL LAYERS PRIOR TO FURTHER BACKFILL AND/OR PLACEMENT OF CONCRETE. REFER TO PROJECT SPECIFICATIONS FOR BALANCE OF REQUIREMENTS REGARDING SUBMITTALS, STORAGE AND HANDLING, JOB CONDITIONS, MANNER OF EXECUTION AND METHODS OF CONTROL FOR EXCAVATIONS.

FOUNDATION NOTES

1. TOP OF FOOTING ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR SLAB DATUM ELEV. 0'-0", AND ARE NOTED THUS: [] ON PLAN OR NOTED IN THE TYPICAL FOOTING DESIGNATIONS.
2. REFER TO PROJECT SPECIFICATIONS FOR ALL REQUIRED CONCRETE PROPERTIES.
3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
4. PROVIDE 2 - #5 BARS x 4 FT. LONG DIAGONALLY AT CORNERS OF ALL OPENINGS IN CONCRETE SLABS.
5. PROVIDE CONCRETE COVER OVER REINFORCING IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318.
6. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ACI 315.
7. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.

CONCRETE

1. CONCRETE SHALL BE STONE CONCRETE COMPOSED OF PORTLAND CEMENT AND FINE AND COARSE AGGREGATES. CONCRETE SHALL ALSO MEET THE FOLLOWING REQUIREMENTS:

ELEMENT OR AREA	28 DAY CONCRETE STRENGTH	AIR CONTENT
FOOTINGS	3000 PSI - NORMAL WEIGHT	5% ± 1%
CONCRETE PIER	3000 PSI - NORMAL WEIGHT	5% ± 1%
SLABS-ON-GRADE	4000 PSI - NORMAL WEIGHT (a) (b)	7% ± 1%
SLABS ON METAL DECK	3000 PSI - NORMAL WEIGHT (a) (b)	0%

NOTES: (a) MIXING WATER FOR THIS CONCRETE SHALL BE LIMITED TO 260 LBS. PER CUBIC YARD. WORKABILITY SHALL BE OBTAINED BY METHODS OTHER THAN THE ADDITION OF WATER.
(b) IF A HIGH RANGE WATER REDUCER (HWR) IS USED TO IMPROVE WORKABILITY, THEN THE MAXIMUM SLUMP LIMITS MAY BE RELAXED AS APPROVED BY THE STRUCTURAL ENGINEER.

2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A105 WITH AN ULTIMATE TENSILE STRENGTH OF 70,000 PSI.
4. WELDED WIRE FABRIC REINFORCING SHALL BE PLACED IN THE UPPER THIRD OF ALL SLABS.
5. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL CONCRETE REQUIREMENTS.

MASONRY NOTES

1. ALL MASONRY ASSEMBLIES SHALL HAVE F_m = 1500 PSI.
2. DESIGN AND PROVIDE TEMPORARY BRACING OF MASONRY WALLS DURING CONSTRUCTION. BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED. BRACING SHALL FULLY CONFORM TO ALL OSHA REQUIREMENTS.
3. ALL BLOCK SHALL BE TWO-CELL HOLLOW LOAD-BEARING UNITS, CONFORMING TO ASTM C90, NORMAL WEIGHT. MINIMUM NET COMPRESSIVE STRENGTH ON THE NET AREA OF AN INDIVIDUAL UNIT SHALL BE 1900 PSI.
4. SEE PROJECT SPECIFICATIONS FOR ALL MORTAR REQUIREMENTS.
5. GROUT FOR FILLING BLOCK CELLS SHALL CONFORM TO ASTM C476, AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
6. ALL REINFORCING BARS USED FOR REINFORCED MASONRY SHALL CONFORM TO ASTM A615, GRADE 60.
7. ALL HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE, M114 GALVANIZED, WITH 9 GAGE SIDE RODS AND 9 GA. DIAGONAL RODS. JOINT REINFORCEMENT SHALL BE PLACED IN EVERY OTHER HORIZONTAL BED JOINT UNLESS OTHERWISE NOTED. WHERE JOINT REINFORCEMENT IS SPICED, PROVIDE A MINIMUM 12" LAP, INCLUDING AT ALL CORNERS AND TEES.
8. ALL BLOCK SHALL BE LAID IN RUNNING BOND.
9. SEE ARCHITECTURAL DRAWINGS FOR ALL NON-STRUCTURAL MASONRY WALLS AND PARTITIONS.
10. VERTICAL REINFORCING BARS SHALL BE PLACED AT SPACINGS INDICATED ON THE DRAWINGS, AT EACH JAMB OF EACH WALL OPENING, AT THE END OF EACH WALL, AT EACH SIDE OF WALL CONTROL JOINTS, AND AT EACH WALL INTERSECTION.
11. ALL REINFORCING BARS SHALL BE LOCATED IN THE CENTER OF THE WALL UNLESS OTHERWISE NOTED. BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT FOUR FOOT INTERVALS.
12. ALL REINFORCING BAR SPICES SHALL BE LAP SPICES OF 40 BAR DIAMETERS.
13. COORDINATE ALL FIELD PENETRATIONS THROUGH THE MASONRY WITH REINFORCING BAR LOCATIONS.

STRUCTURAL STEEL

ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:

WIDE FLANGE SHAPES:	ASTM A992, F _y = 50 KSI
S-SHAPES:	ASTM A36
CHANNELS:	ASTM A36
PLATES, BARS AND ANGLES:	ASTM A36
HOLLOW STRUCTURAL SECTIONS (HSS) - SQUARE OR RECTANGULAR:	ASTM A500, GRADE B (F _y = 46 KSI)
HOLLOW STRUCTURAL SECTIONS (HSS) - ROUND:	ASTM A500, GRADE B (F _y = 42 KSI)
ANCHOR RODS:	ASTM F1554, F _y = 36 KSI
HIGH-STRENGTH BOLTS:	ASTM A325

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE LATEST A.I.S.C. SPECIFICATIONS.
 2. ALL STRUCTURAL STEEL IS TO RECEIVE ONE SHOP COAT OF FABRICATOR'S STANDARD RUST-INHIBITING PRIMER. STEEL JOISTS SHALL RECEIVE ONE SHOP COAT OF JOIST MANUFACTURER'S STANDARD RUST-INHIBITING PRIMER. ALL COLUMN BASES EXPOSED TO SUBGRADE SHALL BE COATED WITH A BITUMINOUS-TYPE PROTECTIVE PAINT BELOW THE FLOOR LINE.
 3. METAL ROOF DECK SHALL BE GALVANIZED STEEL DECK. DECK GAUGE, PROFILE AND METHOD OF ATTACHMENT TO SUPPORTING STEEL SHALL BE AS INDICATED ON THE 'TYPICAL ROOF DECK PROFILE'. DECK SHALL BE DETAILED AND PLACED TO MAINTAIN A MINIMUM THREE-SPAN CONDITION IN ALL AREAS WHERE POSSIBLE.
 4. ALL BOLTED CONNECTIONS SHALL BE MADE WITH HIGH-STRENGTH BOLTS CONFORMING TO ASTM A325 AND/OR ASTM A490. UNLESS OTHERWISE NOTED, ALL CONNECTIONS SHALL BE DESIGNED AS BEARING-TYPE BOLTED CONNECTIONS. VALUES OF BEAM END REACTIONS ARE SERVICE LOAD (UNFACTORED) REACTIONS. SELECT AND DETAIL BEAM END CONNECTIONS USING THE 'ASD' VALUES IN THE AISC STEEL MANUAL.
 5. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE AWS, USING E70 ELECTRODES. PROVIDE FIELD TOUCH-UP PAINT OR GALVANIZED COATING TO MATCH SHOP-APPLIED PRIMER WHERE PRIMER HAS BEEN BURNED OFF.
- FLOOR SLAB ON METAL DECK
1. REFER TO SPECIFICATIONS FOR REQUIRED CONCRETE PROPERTIES.
 2. COMPOSITE METAL DECK SHALL BE 2" x 20 GAUGE GALVANIZED STEEL DECK, INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE AND THE DECK MANUFACTURER. THE MINIMUM REQUIRED DECK SECTION PROPERTIES SHALL BE AS FOLLOWS:
 $S_p = 0.418 \text{ IN}^3 \text{ PER FT.}$ $S_y = 0.355 \text{ IN}^3 \text{ PER FT.}$
 $I_p = 0.415 \text{ IN}^4 \text{ PER FT.}$ $I_n = 0.360 \text{ IN}^4 \text{ PER FT.}$
 3. MESH REINFORCING SHALL BE LOCATED 1" DOWN FROM THE TOP OF ALL SLABS. MESH SHALL BE SUPPORTED IN ACCORDANCE WITH THE DETAILS ON THE DRAWINGS.
 4. PROVIDE BENT METAL CLOSURE PLATES (POURSTOPS) AT ALL DISCONTINUOUS SLAB EDGES IN ACCORDANCE WITH TYPICAL SLAB EDGE DETAILS.
 5. PROVIDE 2 - #4 BARS x 4 FT. LONG, DIAGONALLY AT ALL CORNERS OF OPENINGS IN SLAB, AND AT ALL RE-ENTRANT SLAB CORNERS.
 6. LAY PLANKS OVER STEEL DECK AND TAKE ALL OTHER APPROPRIATE MEASURES SO AS TO AVOID DAMAGING DECK DURING PLACEMENT OF CONCRETE.
 7. DECK SHALL BE DETAILED SO AS TO MAINTAIN A MINIMUM THREE-SPAN CONDITION IN ALL AREAS.

ROOF DECK

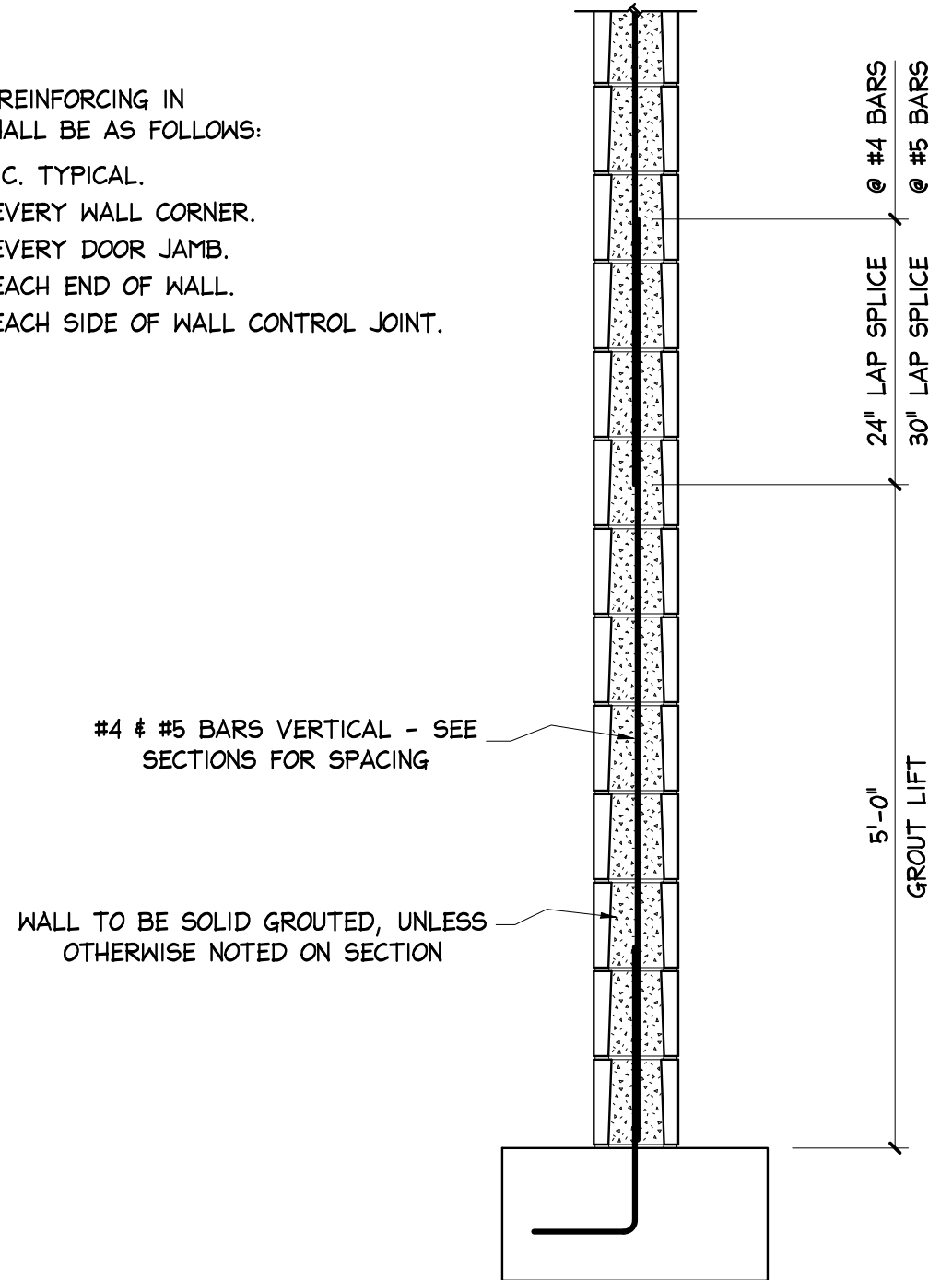
1. ROOF DECK SHALL BE 1½" x 18 GA. WIDE RIB (TYPE 'B') GALVANIZED STEEL DECK. REFER TO DRAWING S301 FOR ROOF DECK FASTENING REQUIREMENTS.
2. DECK SHALL BE DETAILED SO AS TO MAINTAIN A MINIMUM THREE-SPAN CONDITION IN ALL AREAS.

LOOSE LINTEL SCHEDULE

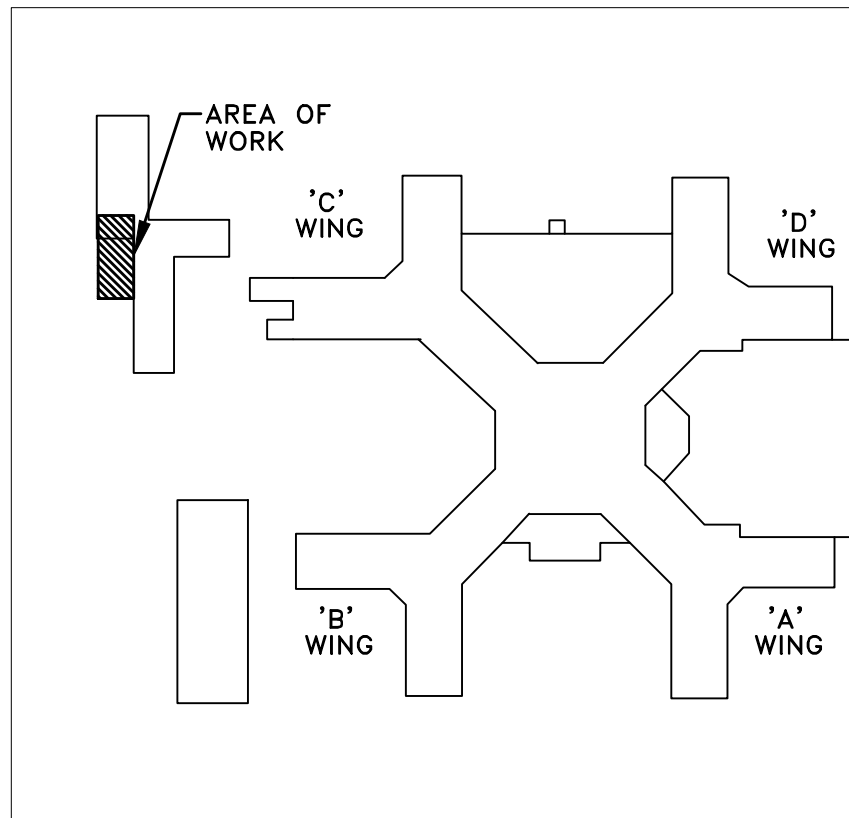
MASONRY OPENINGS	WALL TYPES	
	4" BRICK VENEER	8" BLOCK
0'-0" TO 4'-6"	L 3½ x 3½ x ⅝ (LLV)	2L 3½ x 3½ x ⅝ (LLV)
4'-7" TO 5'-6"	L 4 x 3½ x ⅝ (LLV)	2L 4 x 3½ x ⅝ (LLV)
5'-7" TO 6'-6"	L 5 x 3½ x ⅝ (LLV)	2L 5 x 3½ x ⅝ (LLV)
6'-7" TO 7'-6"	L 6 x 3½ x ⅝ (LLV)	2L 6 x 3½ x ⅝ (LLV)

LINTEL NOTES

1. MINIMUM BEARING FOR ALL LINTELS SHALL BE 7" AT EACH END.
2. SEE ARCH. DWGS. FOR SIZE AND LOCATION OF ALL MASONRY OPENINGS.
3. THESE LINTEL SIZES ARE TO BE USED ONLY WHERE NO OTHER SIZE IS INDICATED ON PLANS OR DETAILS.
4. ALL EXTERIOR LINTELS ARE TO BE HOT-DIP GALVANIZED AND PAINTED.
5. IN MULTI-WYTHE MASONRY WALLS, PROVIDE ONE LINTEL FOR EACH 4" WYTHE.
6. BLOCK WALLS SHALL BE GROUTED SOLID 3 COURSES BELOW BEARING x 16" LONG.



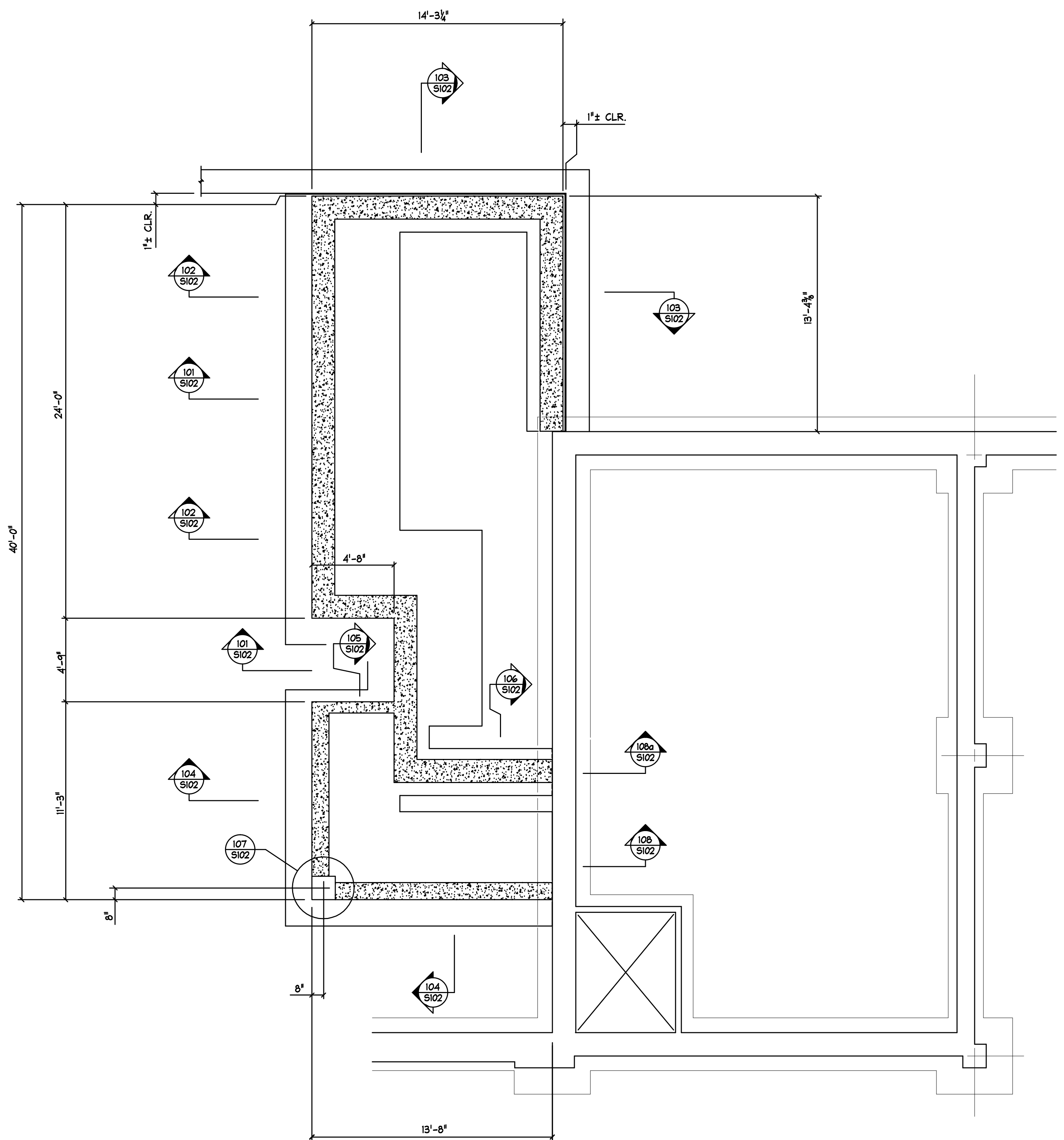
TYPICAL DETAIL FOR VERTICAL REINFORCING BARS IN CMU WALL
(NO SCALE)



KEY PLAN
SCALE: NONE

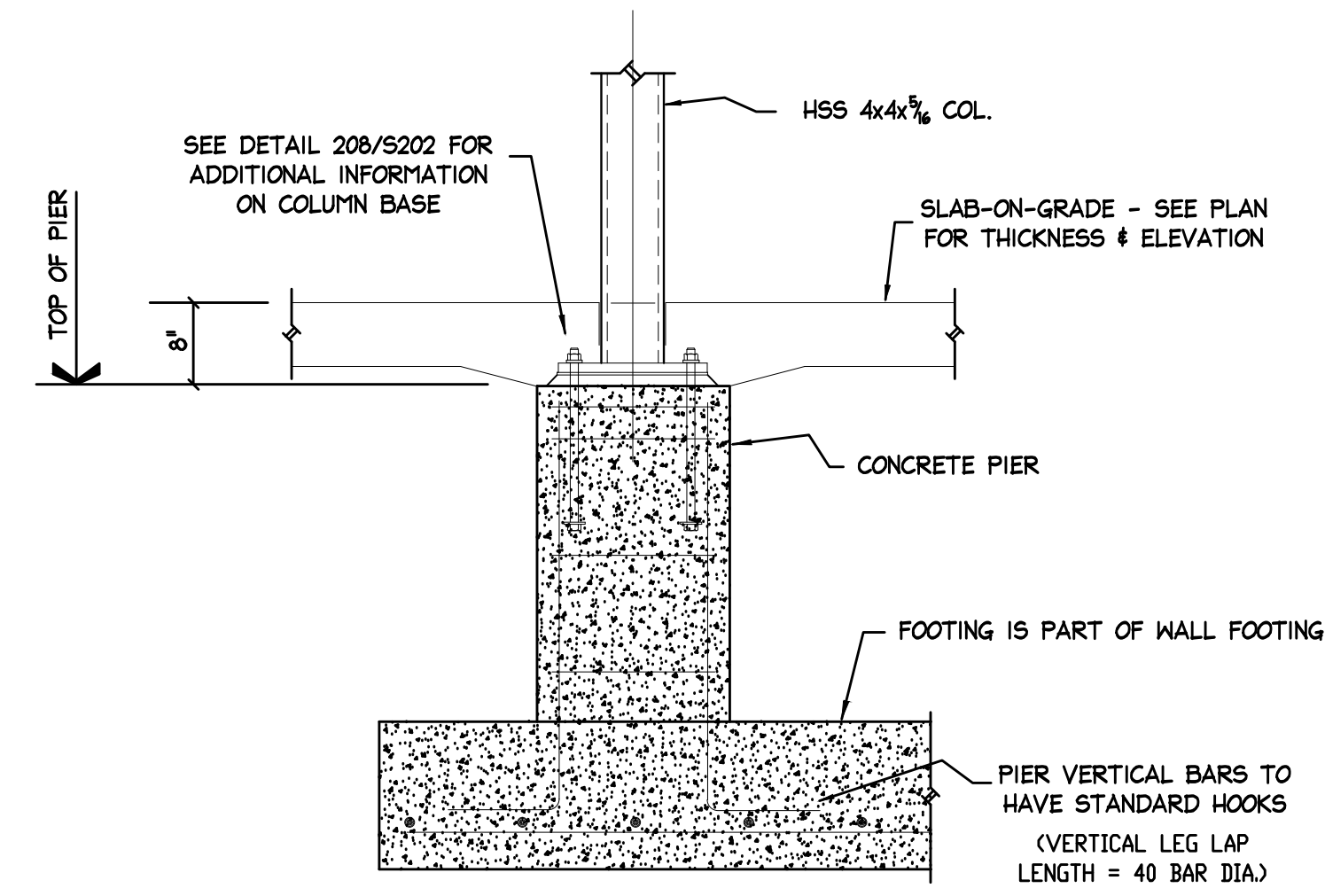
<div>ISSUED FOR BID</div> <div>Revisions</div>		<div>VA WESTERN NEW YORK HEALTHCARE SYSTEM</div> <div>3495 BAILEY AVENUE</div> <div>BUFFALO, NEW YORK 14215</div>	<div>EC4B</div> <div>Engineering, P.C.</div> <div>15 Schoen Place</div> <div>Suite 300</div> <div>Pittsford, NY 14534</div>	<div>RKW Engineering, P.C.</div> <div>STRUCTURAL ENGINEERING CONSULTANTS</div> <div>5560 West Henrietta Road</div> <div>West Henrietta, NY 14586</div> <div>Tel: 585-359-1578</div> <div>Fax: 585-359-3902</div>	<div>CARDIOLOGY MANAGER</div> <div>DATE</div> <div>ENGINEERING MANAGER</div> <div>DATE</div>	<div>INFECTIOIN CONTROL</div> <div>DATE</div> <div>CARELINE MANAGER</div> <div>DATE</div>	<div>SAFETY OFFICER</div> <div>DATE</div> <div>CHIEF OF STAFF</div> <div>DATE</div>	<div>Drawing Title</div> <div>STRUCTURAL NOTES</div> <div>&</div> <div>MISCELLANEOUS DETAILS</div>	<div>Project Title</div> <div>MEDICAL WASTE TRAILER</div>	<div>Building Number</div> <div>6</div> <div>Checked</div> <div>RKW</div> <div>Drawn</div> <div>JLG</div>	<div>Date</div> <div>February 15, 2013</div> <div>Station No.</div> <div>528-12-102</div>	<div>09-372-S001</div>	<div>Office of Facilities</div> <div>Department of Veterans Affairs</div>
--	--	---	---	--	--	---	---	--	---	---	---	------------------------	---

one-eighth inch = one foot
one-quarter inch = one foot
three-eighths inch = one foot
one-half inch = one foot
three-quarters inch = one foot
one inch = one foot
one and one-half 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
thirty-one inches = one foot
thirty-two inches = one foot
thirty-three inches = one foot
thirty-four inches = one foot
thirty-five inches = one foot
thirty-six inches = one foot
thirty-seven inches = one foot
thirty-eight inches = one foot
thirty-nine inches = one foot
forty inches = one foot
forty-one inches = one foot
forty-two inches = one foot
forty-three inches = one foot
forty-four inches = one foot
forty-five inches = one foot
forty-six inches = one foot
forty-seven inches = one foot
forty-eight inches = one foot
forty-nine inches = one foot
fifty inches = one foot
fifty-one inches = one foot
fifty-two inches = one foot
fifty-three inches = one foot
fifty-four inches = one foot
fifty-five inches = one foot
fifty-six inches = one foot
fifty-seven inches = one foot
fifty-eight inches = one foot
fifty-nine inches = one foot
sixty inches = one foot
sixty-one inches = one foot
sixty-two inches = one foot
sixty-three inches = one foot
sixty-four inches = one foot
sixty-five inches = one foot
sixty-six inches = one foot
sixty-seven inches = one foot
sixty-eight inches = one foot
sixty-nine inches = one foot
seventy inches = one foot
seventy-one inches = one foot
seventy-two inches = one foot
seventy-three inches = one foot
seventy-four inches = one foot
seventy-five inches = one foot
seventy-six inches = one foot
seventy-seven inches = one foot
seventy-eight inches = one foot
seventy-nine inches = one foot
eighty inches = one foot
eighty-one inches = one foot
eighty-two inches = one foot
eighty-three inches = one foot
eighty-four inches = one foot
eighty-five inches = one foot
eighty-six inches = one foot
eighty-seven inches = one foot
eighty-eight inches = one foot
eighty-nine inches = one foot
ninety inches = one foot
ninety-one inches = one foot
ninety-two inches = one foot
ninety-three inches = one foot
ninety-four inches = one foot
ninety-five inches = one foot
ninety-six inches = one foot
ninety-seven inches = one foot
ninety-eight inches = one foot
ninety-nine inches = one foot
one hundred inches = one foot

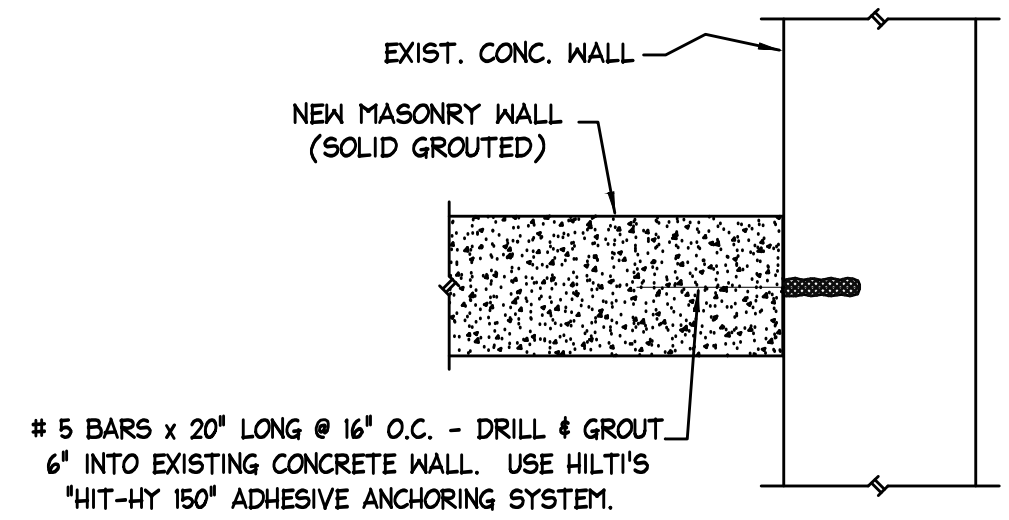


FOUNDATION PLAN - BASE BID

1/4" = 1'-0"
TOP OF ALL FOOTINGS SHALL BE AT (-6'-8")
BELOW FLOOR SLAB DATUM ELEV. 0'-0".

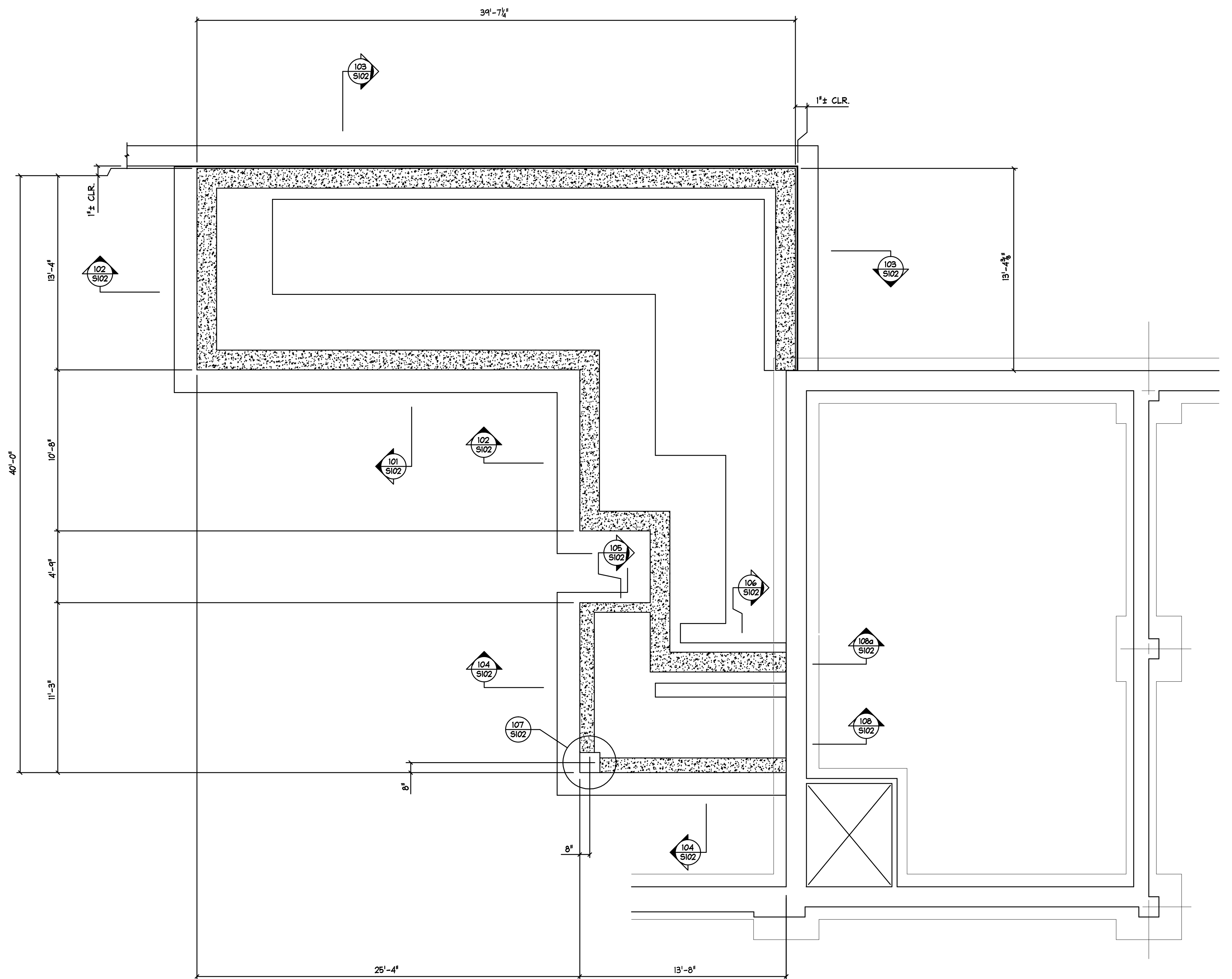


COLUMN, PIER & FOOTING DETAIL
(NO SCALE)



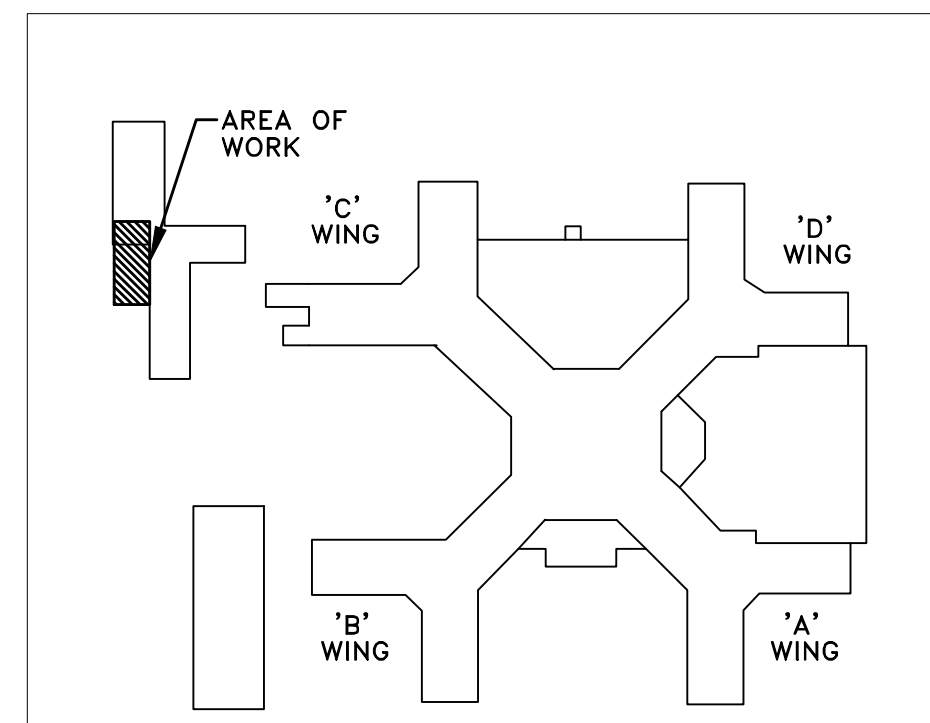
TYPICAL PLAN DETAIL AT INTERSECTION OF NEW MASONRY WALL WITH EXISTING CONCRETE WALL

(NO SCALE)
DETAIL OCCURS AT ALL NEW MASONRY WALLS BELOW ELEV. 0'-0"



FOUNDATION PLAN - ALTERNATE

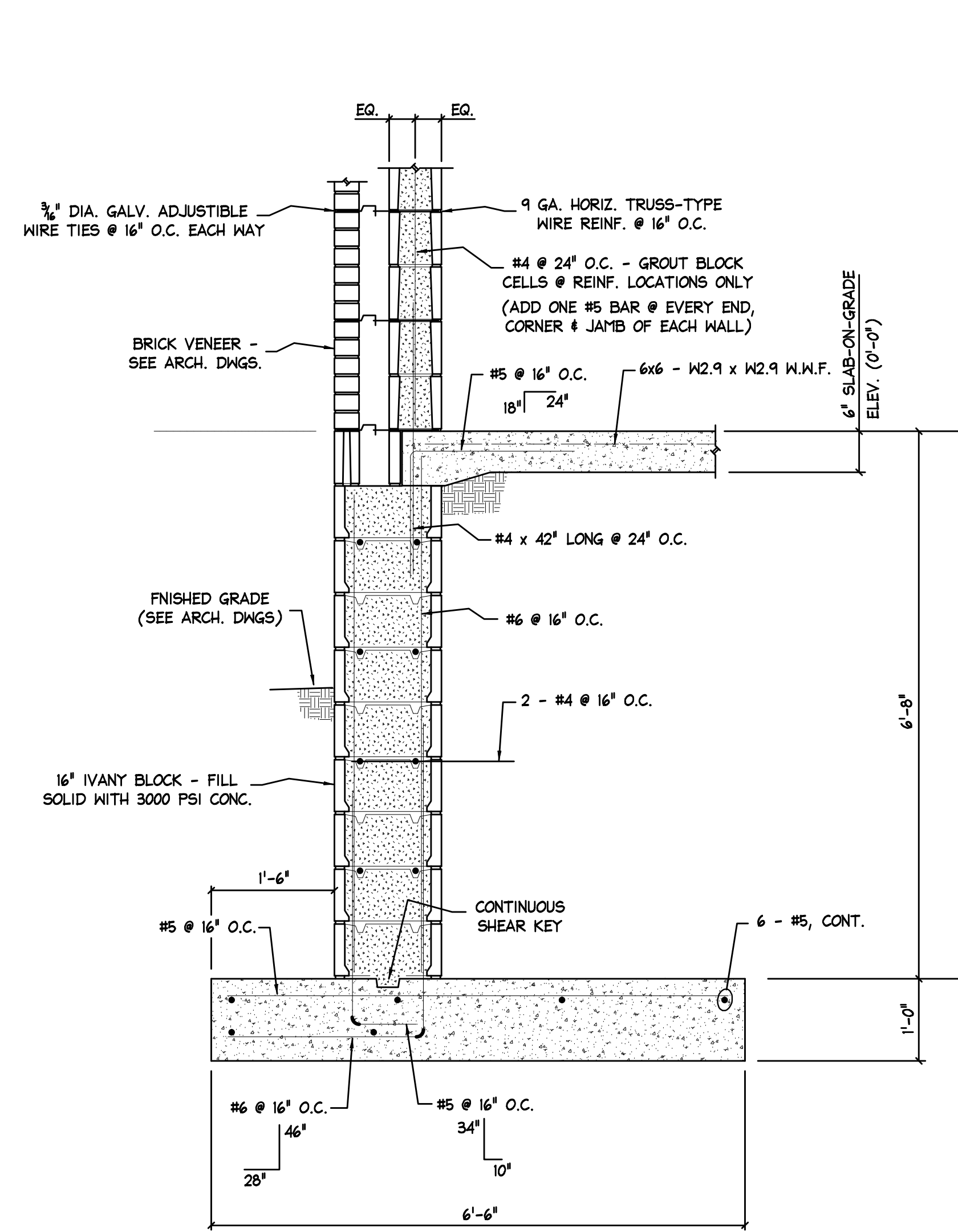
1/4" = 1'-0"
TOP OF ALL FOOTINGS SHALL BE AT (-6'-8")
BELOW FLOOR SLAB DATUM ELEV. 0'-0".



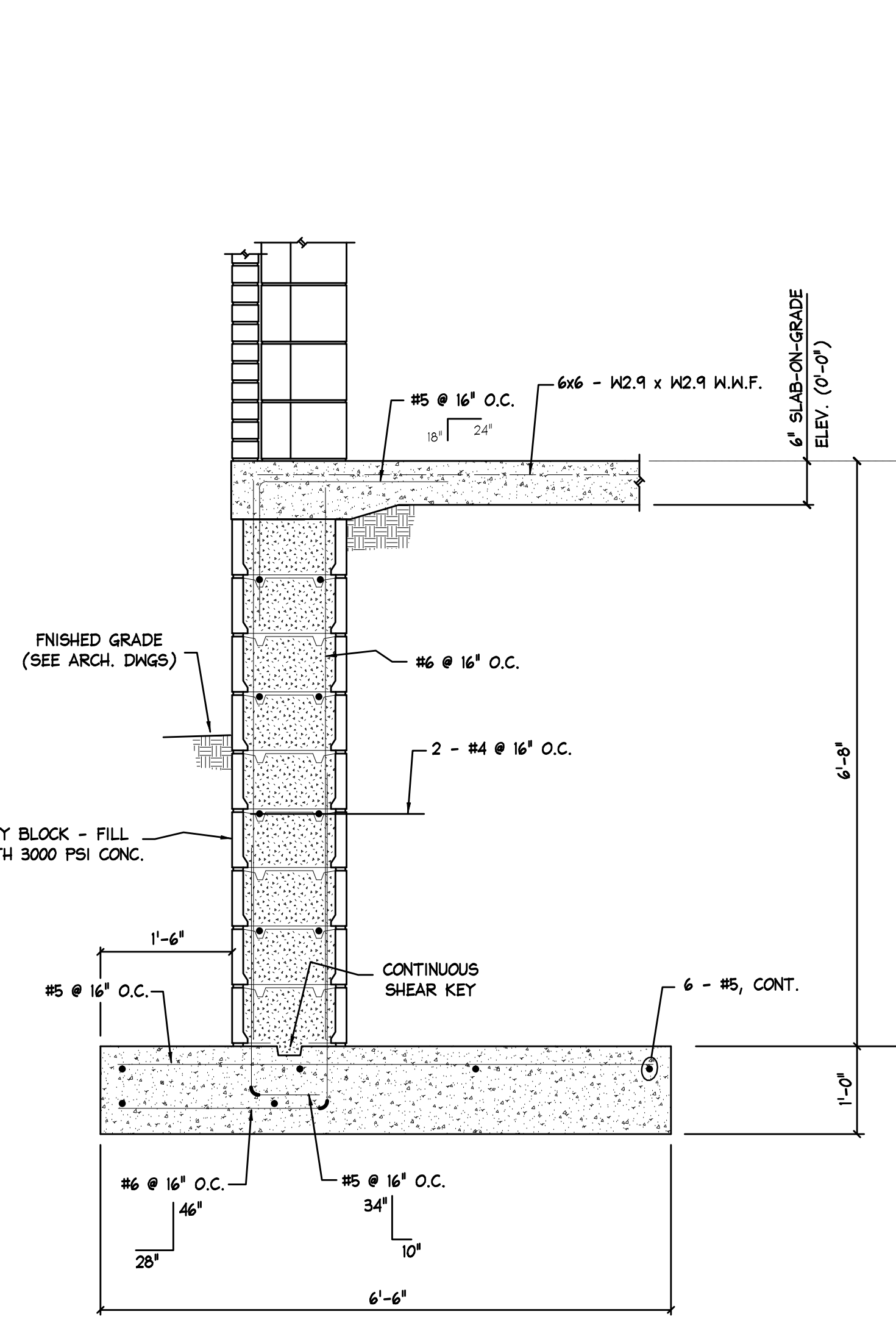
KEY PLAN
SCALE: NONE

ISSUED FOR BID Revisions		02-15-13 Date		VA WESTERN NEW YORK HEALTHCARE SYSTEM 3495 BAILEY AVENUE BUFFALO, NEW YORK 14215		EC4B Engineering, P.C. 15 Schoen Place Suite 300 Pittsford, NY 14534 Phone: (585) 641-7121 Fax: (585) 362-4175 www.ec4b.com		RKW Engineering, P.C. STRUCTURAL ENGINEERING CONSULTANTS 5569 West Henrietta Road West Henrietta, NY 14586 Tel: 585-359-1578 Fax: 585-359-3902		CARDIOLOGY MANAGER DATE ENGINEERING MANAGER DATE INFECTION CONTROL DATE CARELINE MANAGER DATE SAFETY OFFICER DATE CHIEF OF STAFF DATE		Drawing Title FOUNDATION PLANS Project Title MEDICAL WASTE TRAILER Building Number 6 Checked RKW Drawn JLG Location V.A.M.C. BUFFALO, NEW YORK		Date February 15, 2013 Station No. 528-12-102 09-372-S101		Office of Facilities Department of Veterans Affairs	
-----------------------------	--	------------------	--	--	--	--	--	---	--	--	--	---	--	---	--	--	--

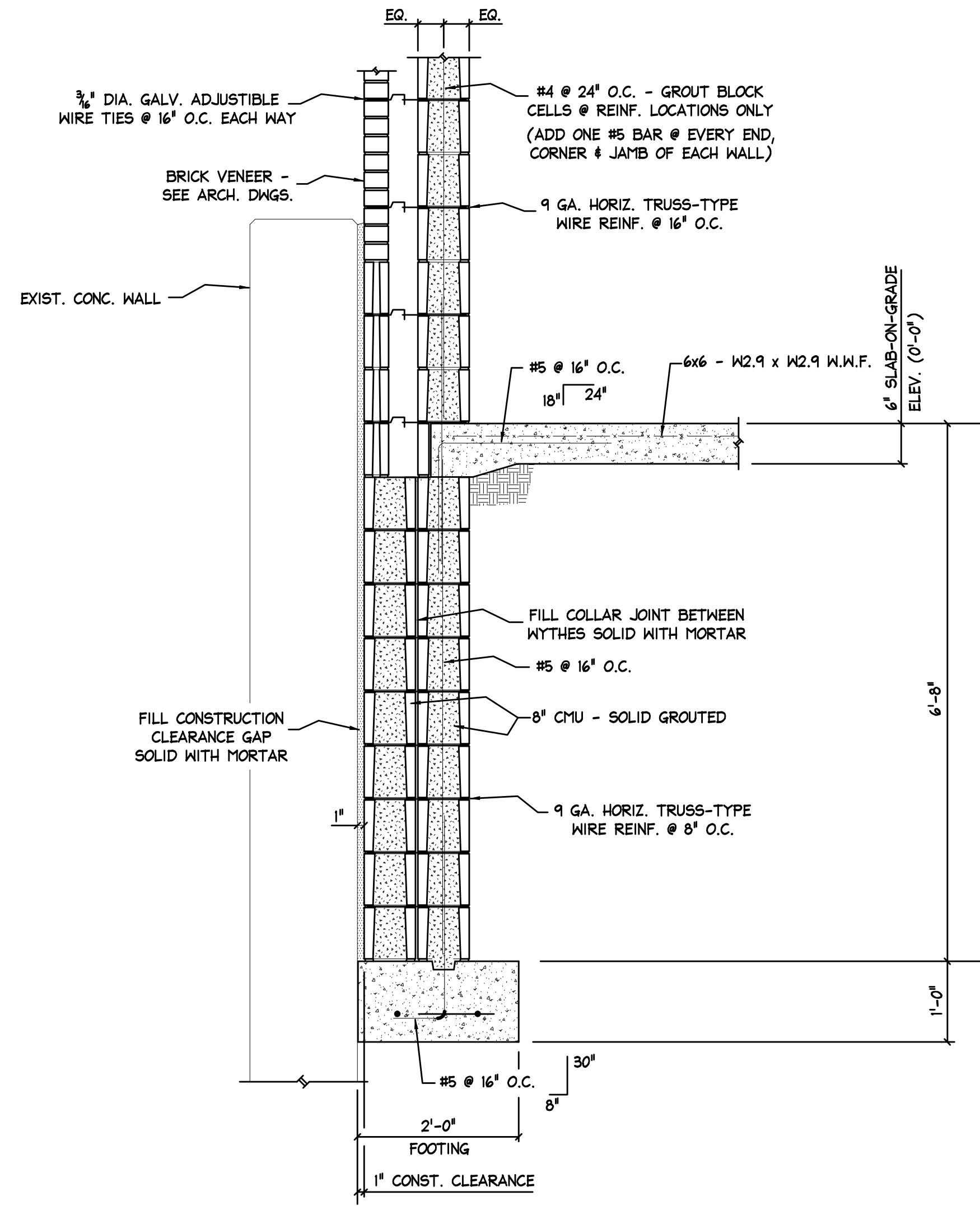
three inches = one foot
one and one-half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot
one-eighth inch = one foot



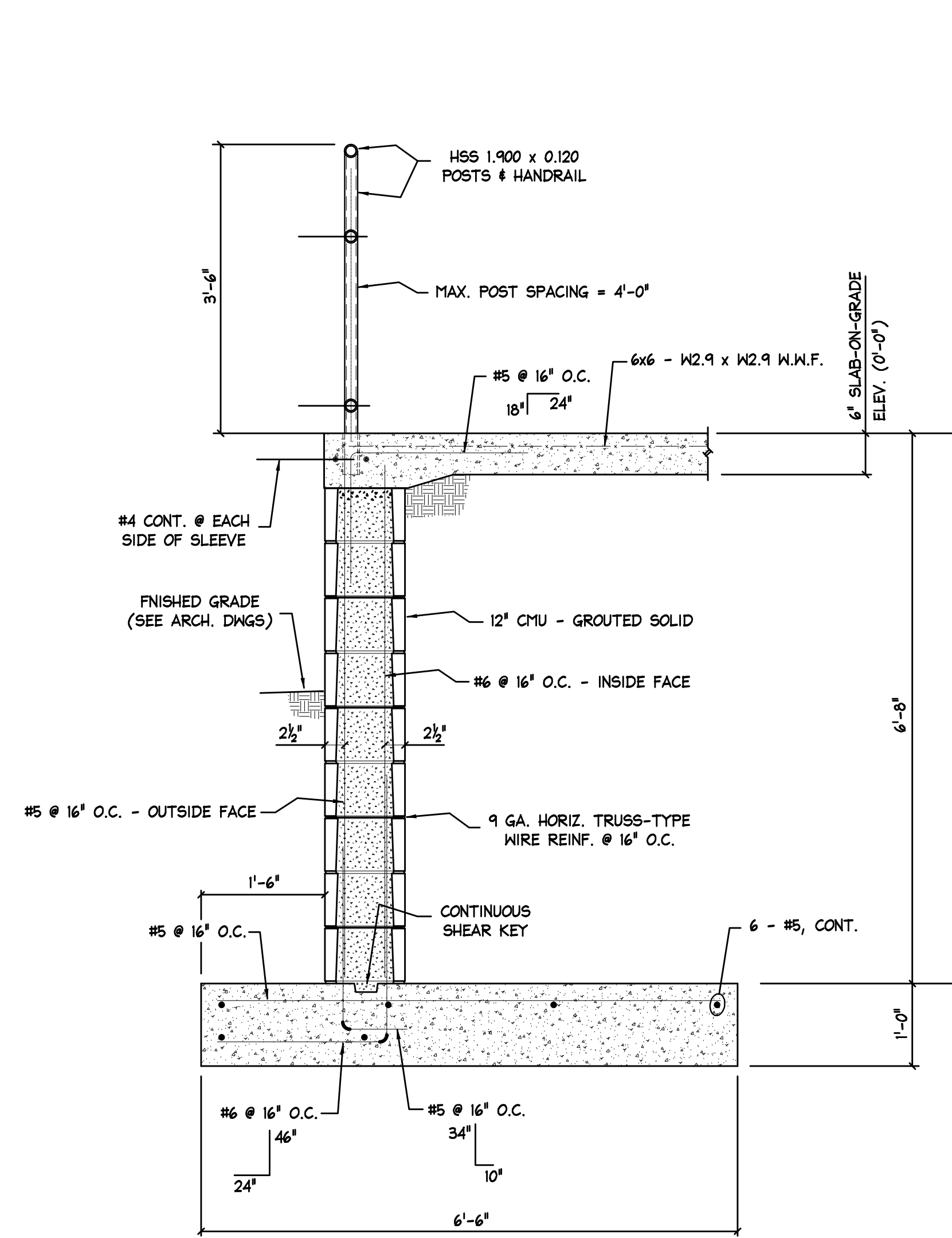
SECTION 101
 $\frac{3}{4}" = 1'-0"$



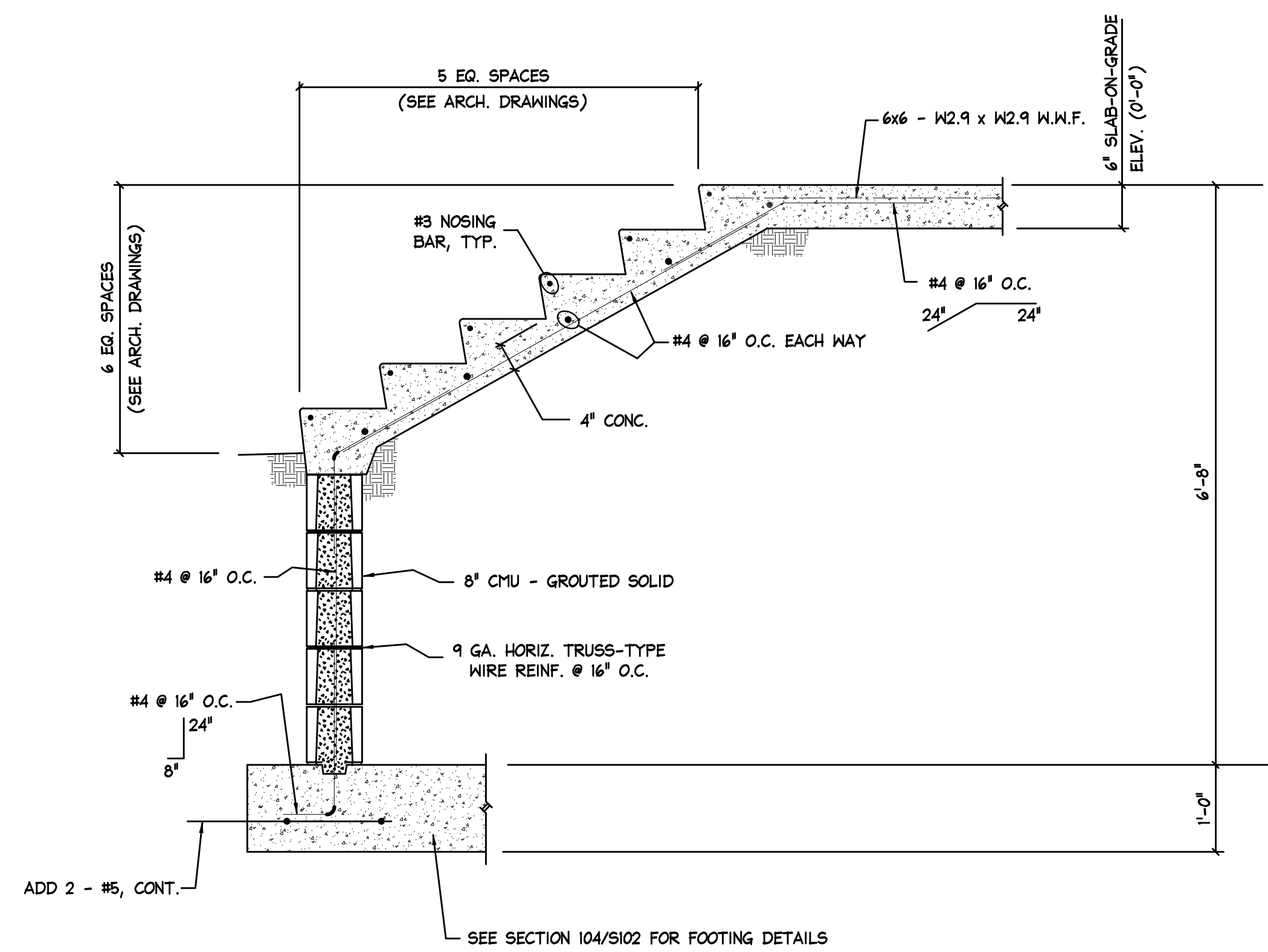
SECTION 102
 $\frac{3}{4}" = 1'-0"$



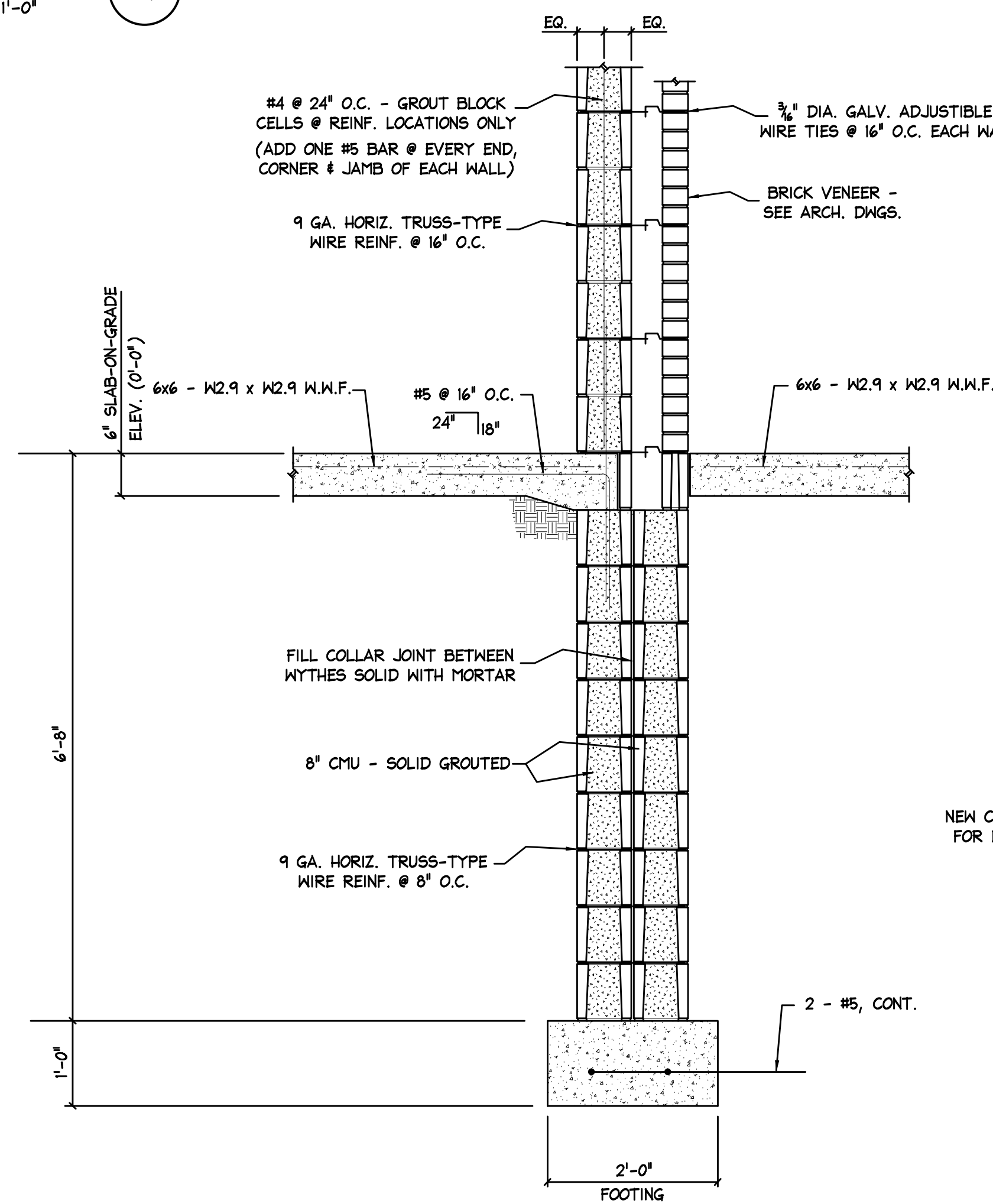
SECTION 103
 $\frac{3}{4}" = 1'-0"$



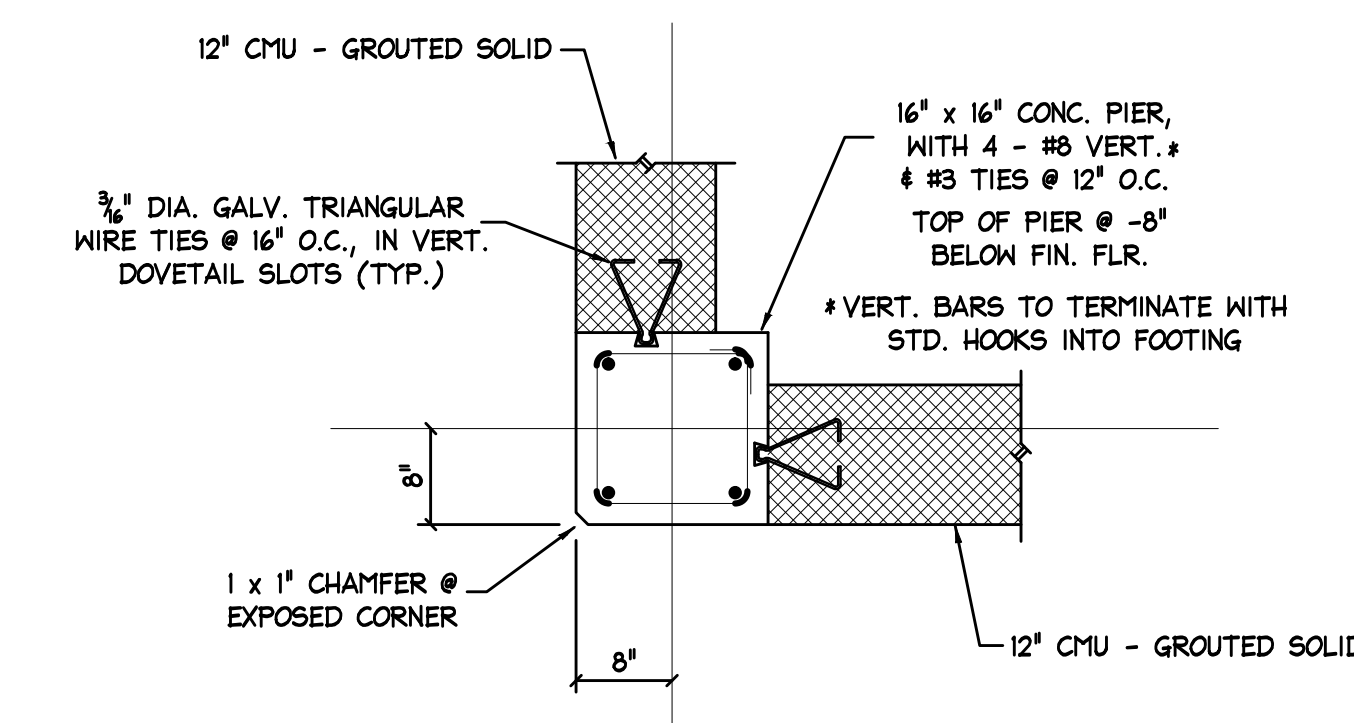
SECTION 104
 $\frac{3}{4}" = 1'-0"$



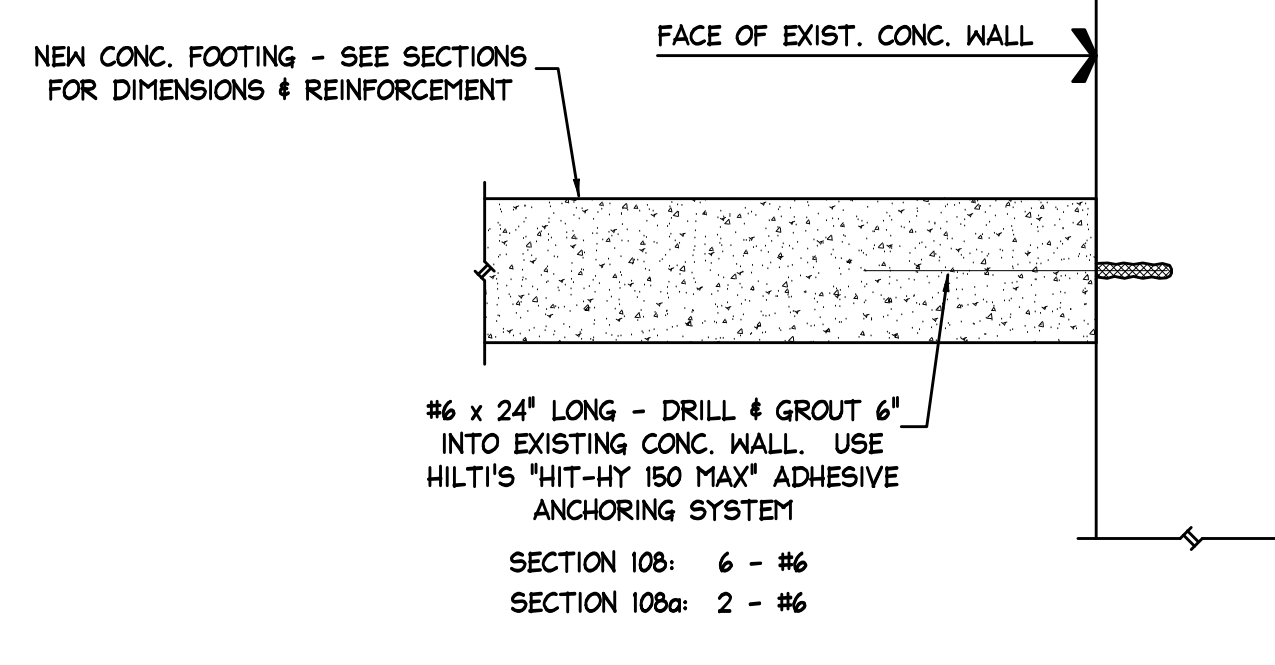
SECTION 105
 $\frac{3}{4}" = 1'-0"$



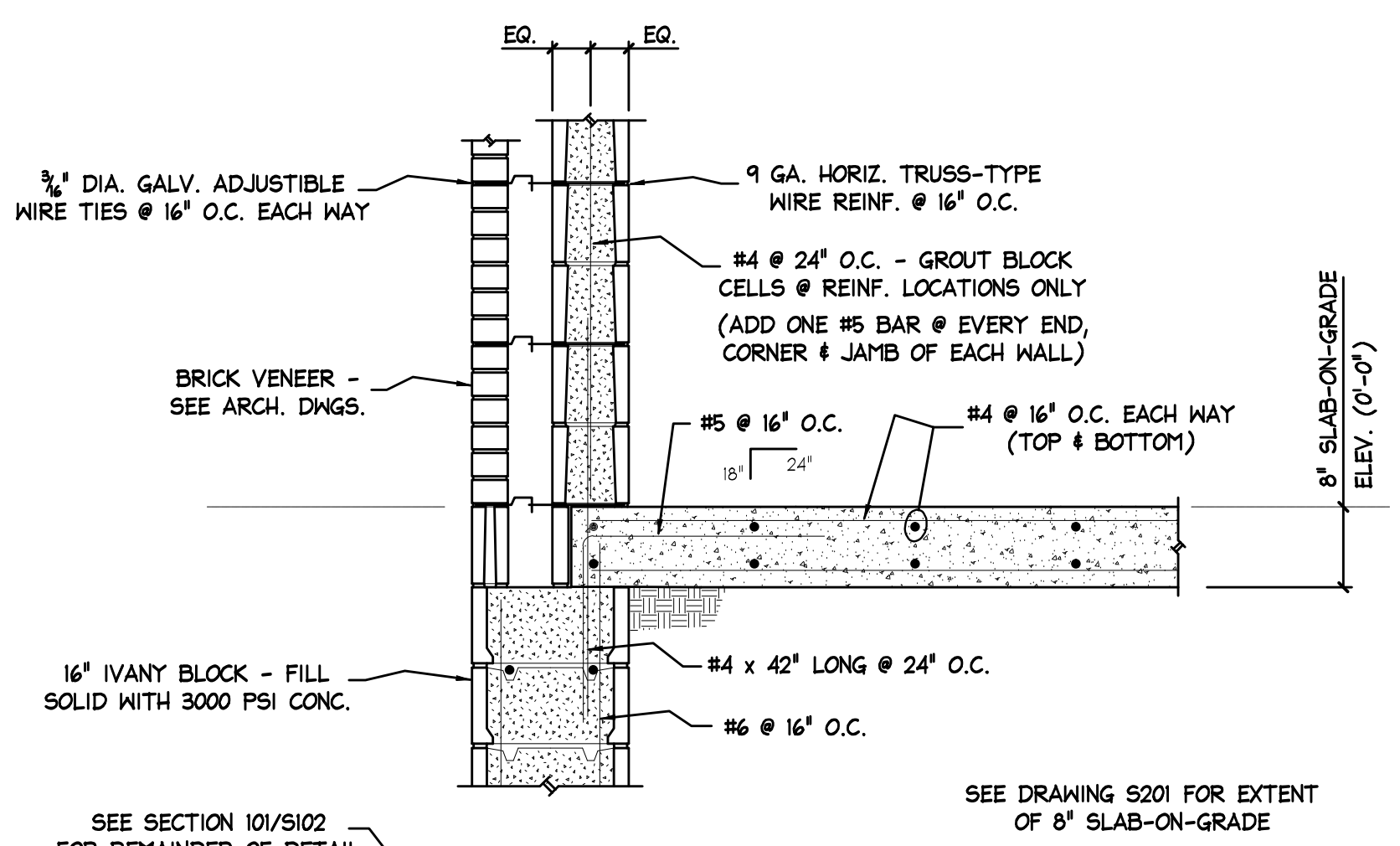
SECTION 106
 $\frac{3}{4}" = 1'-0"$



DETAIL 107
 $\frac{3}{4}" = 1'-0"$



SECTION 108
 $\frac{3}{4}" = 1'-0"$



SECTION 109
 $\frac{3}{4}" = 1'-0"$

ISSUED FOR BID	02-15-13
Revisions	Date

VA WESTERN NEW YORK HEALTHCARE SYSTEM
3495 BAILEY AVENUE
BUFFALO, NEW YORK 14215

EC4B
engineering, p.c.
15 Schoen Place
Suite 300
Pittsford, NY 14534
Phone: (585) 641-7121
Fax: (585) 362-4175
www.ec4b.com

Consultant

stamp

RKW Engineering, P.C.
STRUCTURAL ENGINEERING CONSULTANTS
5569 West Henrietta Road
West Henrietta, NY 14586
Tel: 585-359-1578
Fax: 585-359-3902

Architect / Engineer

CARDIOLOGY MANAGER	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

Drawing Title	Project Title
FOUNDATION SECTIONS AND DETAILS	MEDICAL WASTE TRAILER
MEDICAL CENTER DIRECTOR	Building Number 6
ASSOCIATE MEDICAL CENTER DIRECTOR	Location V.A.M.C. BUFFALO, NEW YORK

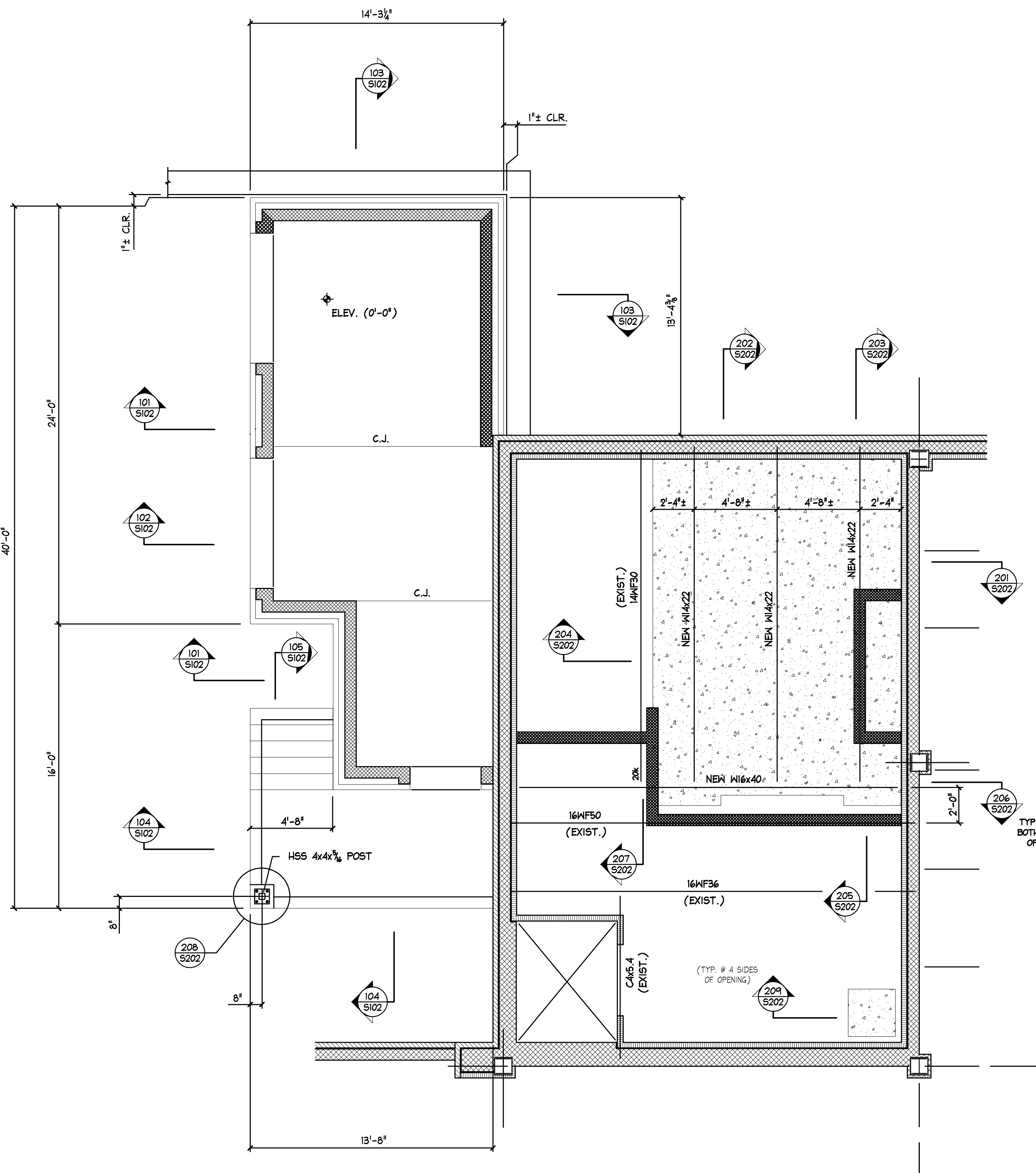
Date	February 15, 2013
Station No.	528-12-102
Building Number	6
Checked	RKW
Drawn	JLG

Date	February 15, 2013
Station No.	528-12-102
Building Number	6
Checked	RKW
Drawn	JLG

09-372-S102



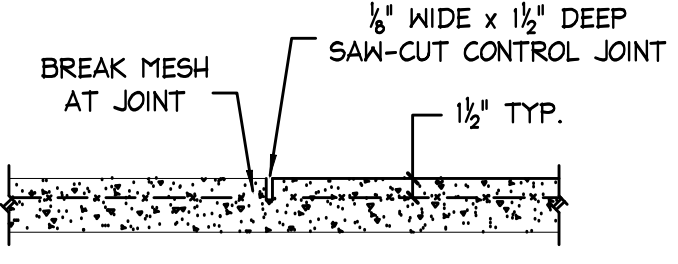
three inches = one foot
one and one-half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



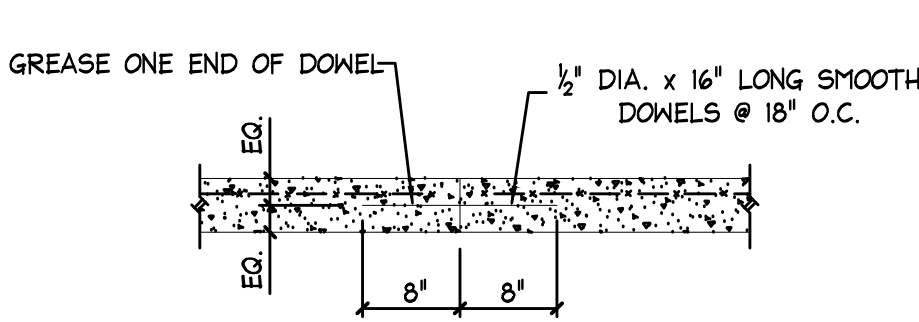
FLOOR FRAMING/FLOOR SLAB - BASE BID

1/2" = 1'-0"

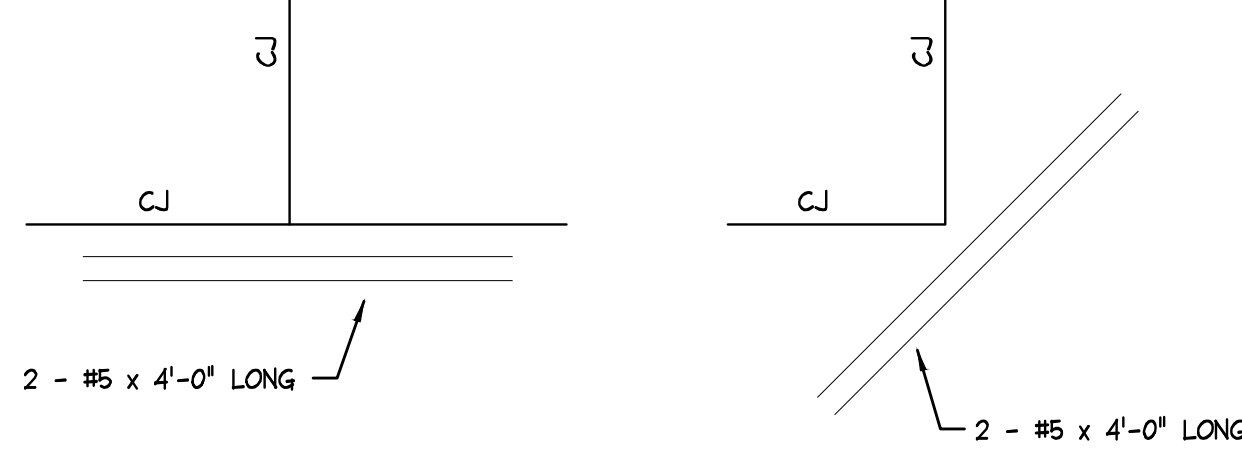
1. SLABS-ON-GRADE SHALL BE 6" THICK, REINFORCED WITH ONE LAYER OF #6 @ 12" O.C. W.W.F., AND PLACED ON A 6" LAYER OF COMPACTED GRANULAR FILL.
2. NEW SUPPORTED FLOOR SLAB SHALL CONSIST OF 4" NORMAL WEIGHT CONCRETE ON TOP OF 2" x 20 GA. COMPOSITE METAL DECK (TOTAL SLAB THICKNESS = 6"). SLAB SHALL BE REINFORCED WITH ONE LAYER OF #6 @ 12" O.C. W.W.F., PLUS REINFORCING INDICATED ON SECTIONS AND DETAILS.
3. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
4. TOP OF SLAB ELEV. = DATUM ELEV. (0'-0").



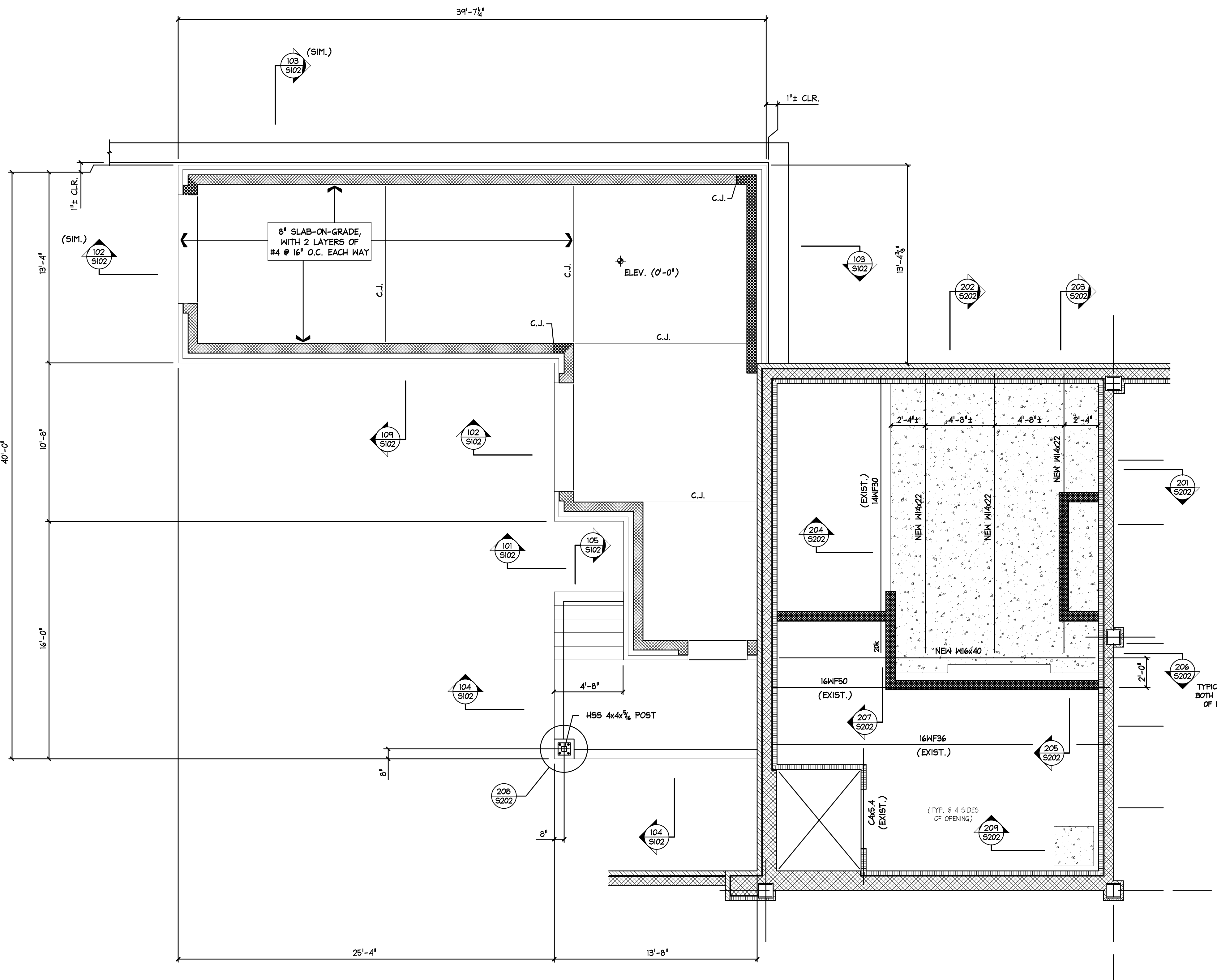
TYPICAL SAW-CUT CONTROL JOINT
DETAIL FOR SLABS-ON-GRADE
(NO SCALE)
SEE PLAN FOR SUGGESTED LOCATIONS.



TYPICAL CONSTRUCTION JOINT
DETAIL FOR SLABS-ON-GRADE
(NO SCALE)
PLACE DOWELS PARALLEL TO SURFACE
AND PERPENDICULAR TO EDGE OF SLAB.



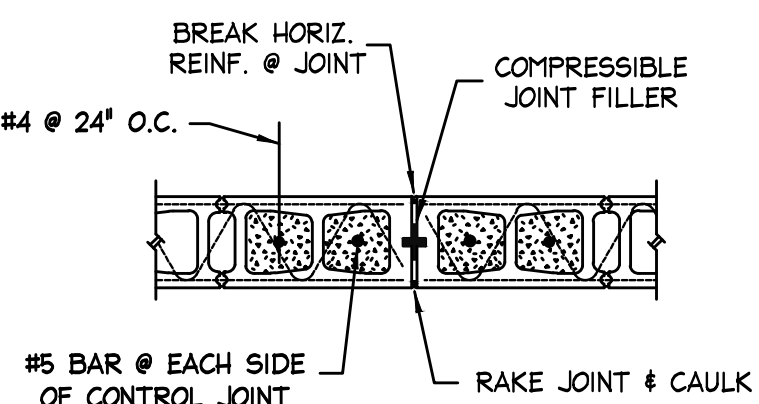
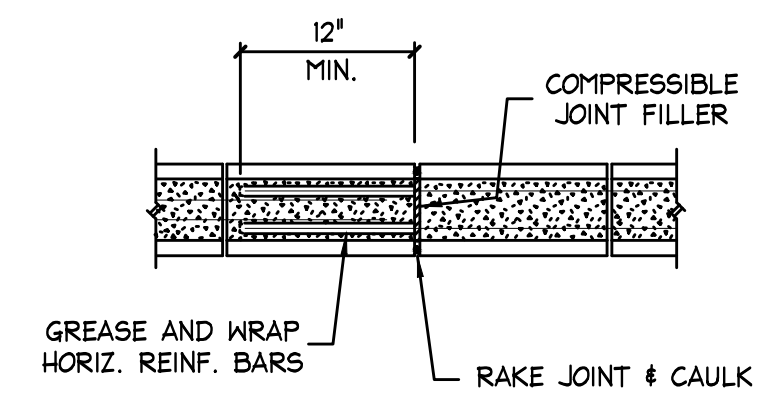
TYPICAL REINFORCEMENT FOR SLABS-ON-GRADE AT
DISCONTINUOUS CONTROL JOINTS AND SLAB EDGES
(NO SCALE)



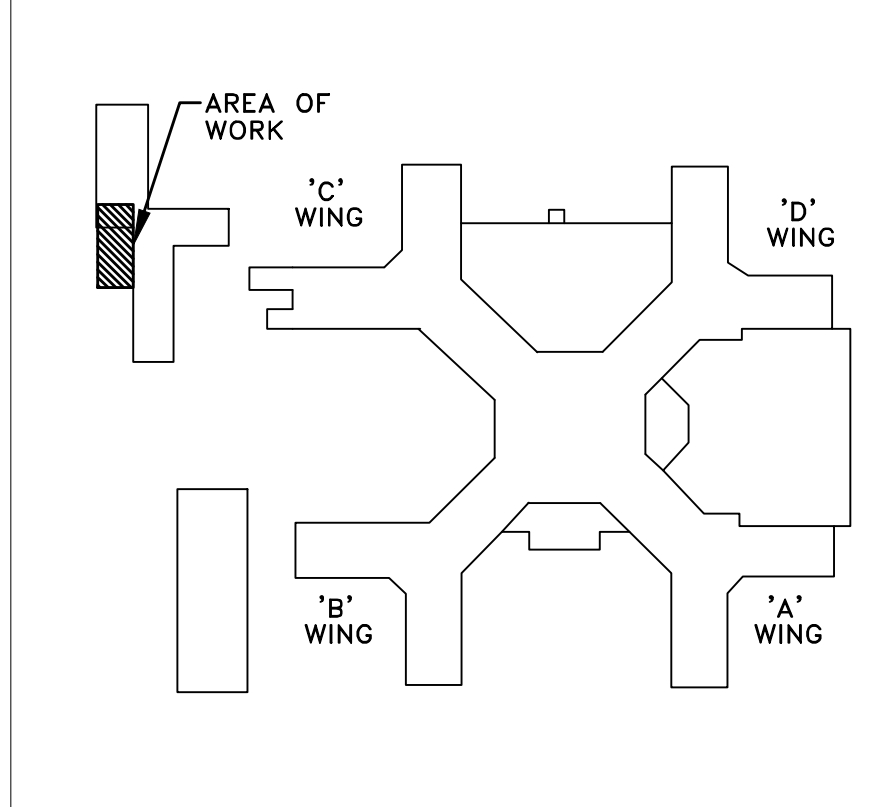
FLOOR FRAMING/FLOOR SLAB - ALTERNATE

1/2" = 1'-0"

1. SLABS-ON-GRADE SHALL BE 6" THICK, REINFORCED WITH ONE LAYER OF #6 @ 12" O.C. W.W.F., AND PLACED ON A 6" LAYER OF COMPACTED GRANULAR FILL.
2. NEW SUPPORTED FLOOR SLAB SHALL CONSIST OF 4" NORMAL WEIGHT CONCRETE ON TOP OF 2" x 20 GA. COMPOSITE METAL DECK (TOTAL SLAB THICKNESS = 6"). SLAB SHALL BE REINFORCED WITH ONE LAYER OF #6 @ 12" O.C. W.W.F., PLUS REINFORCING INDICATED ON SECTIONS AND DETAILS.
3. SECTIONS INDICATED ON PLAN ARE TYPICAL FOR SIMILAR CONDITIONS.
4. TOP OF SLAB ELEV. = DATUM ELEV. (0'-0").



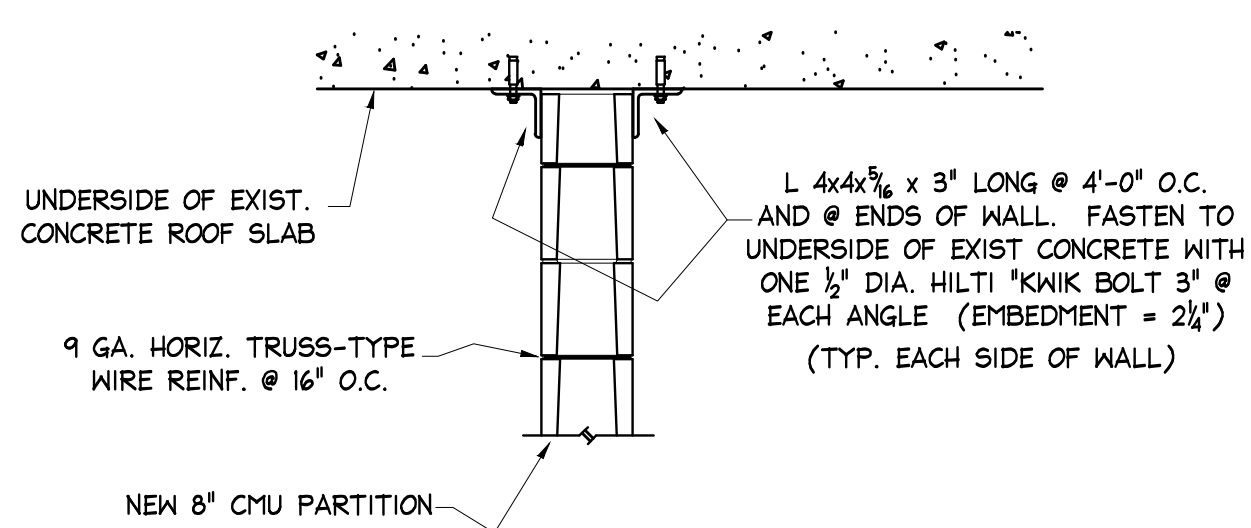
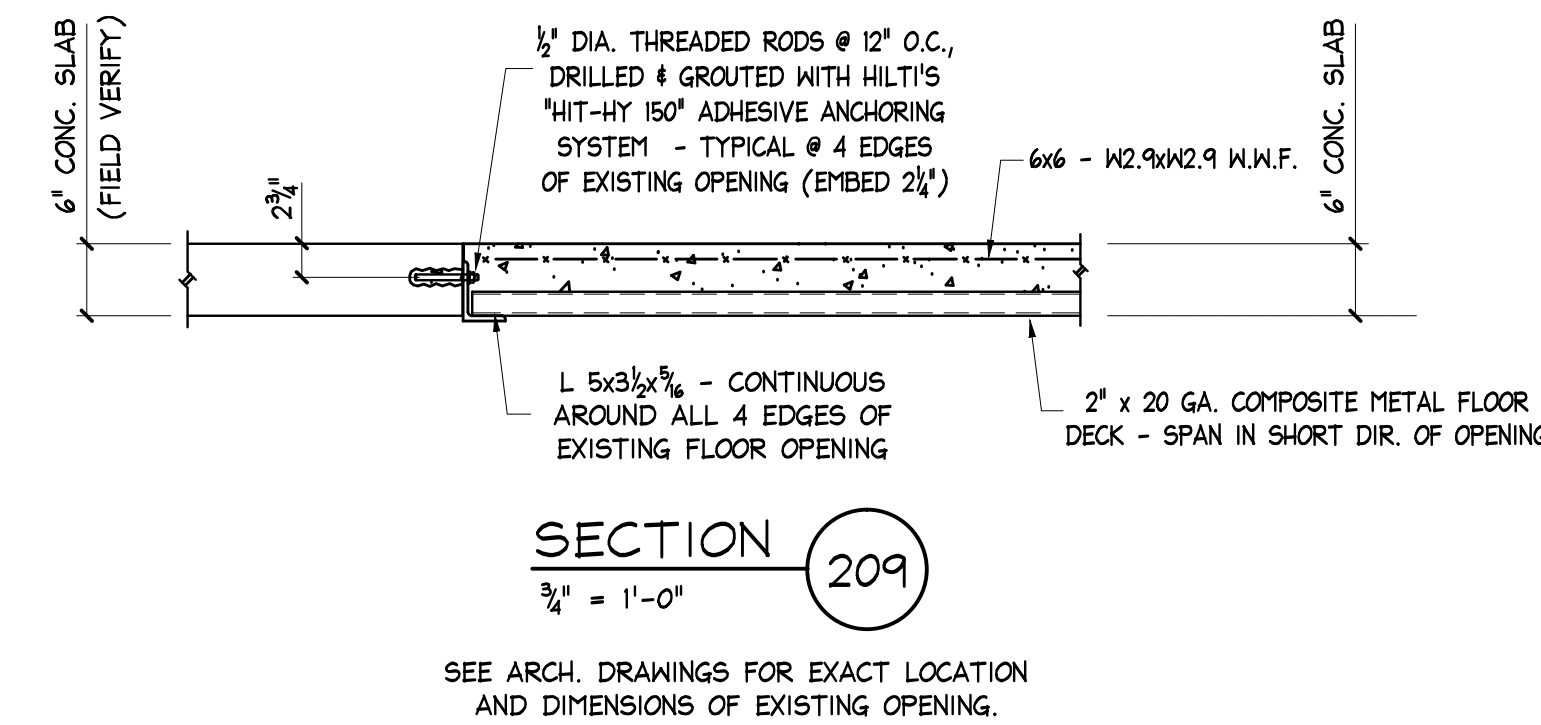
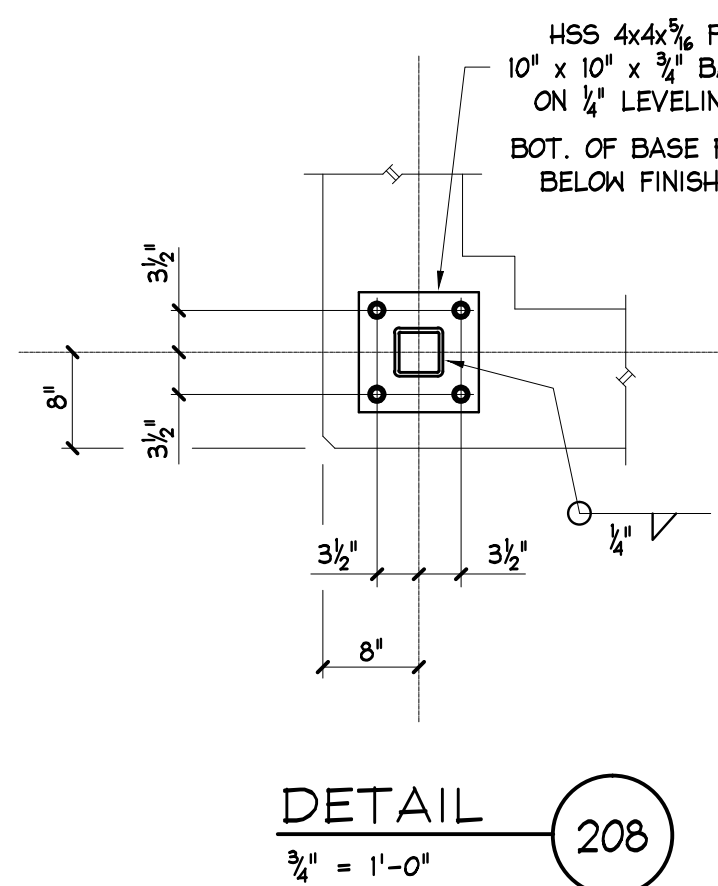
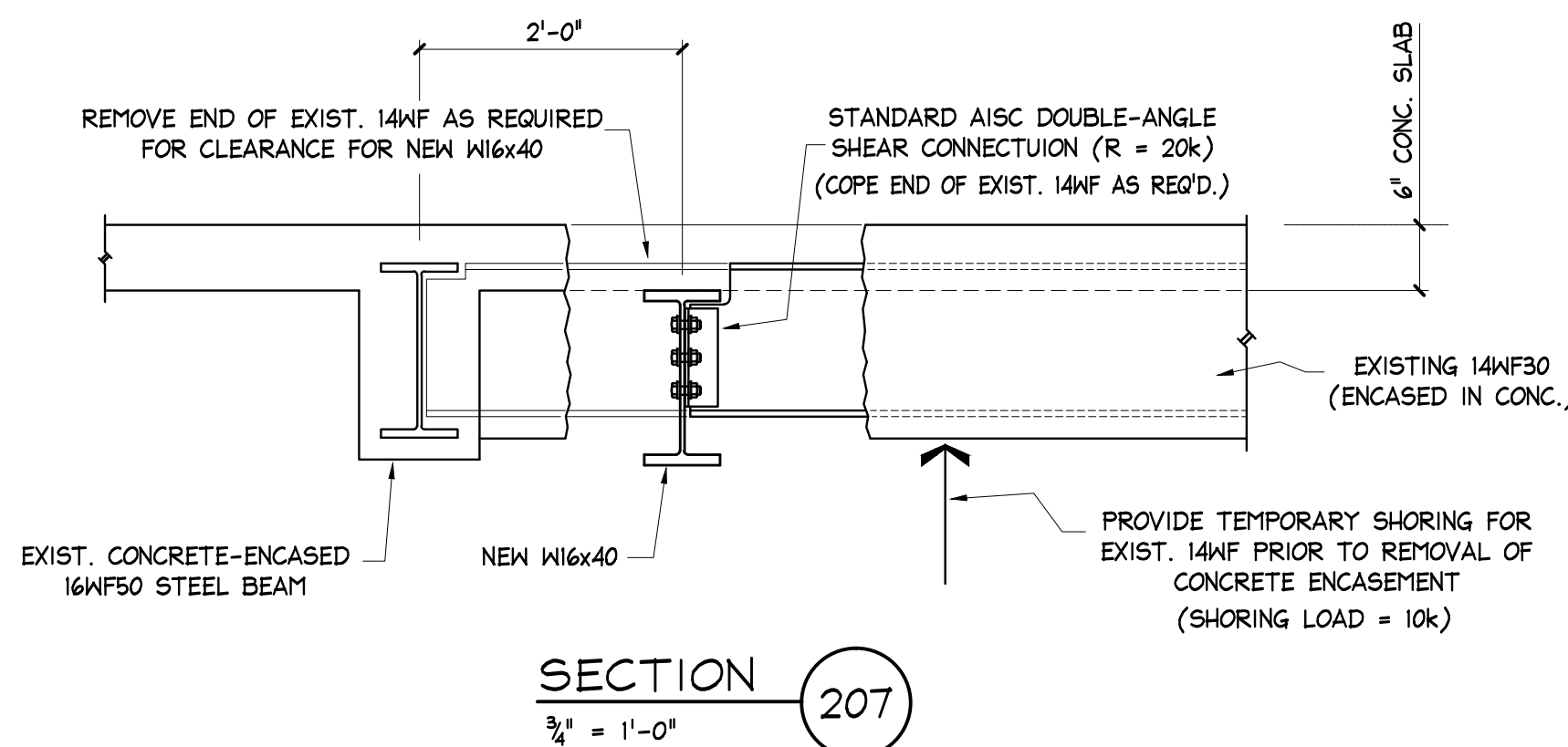
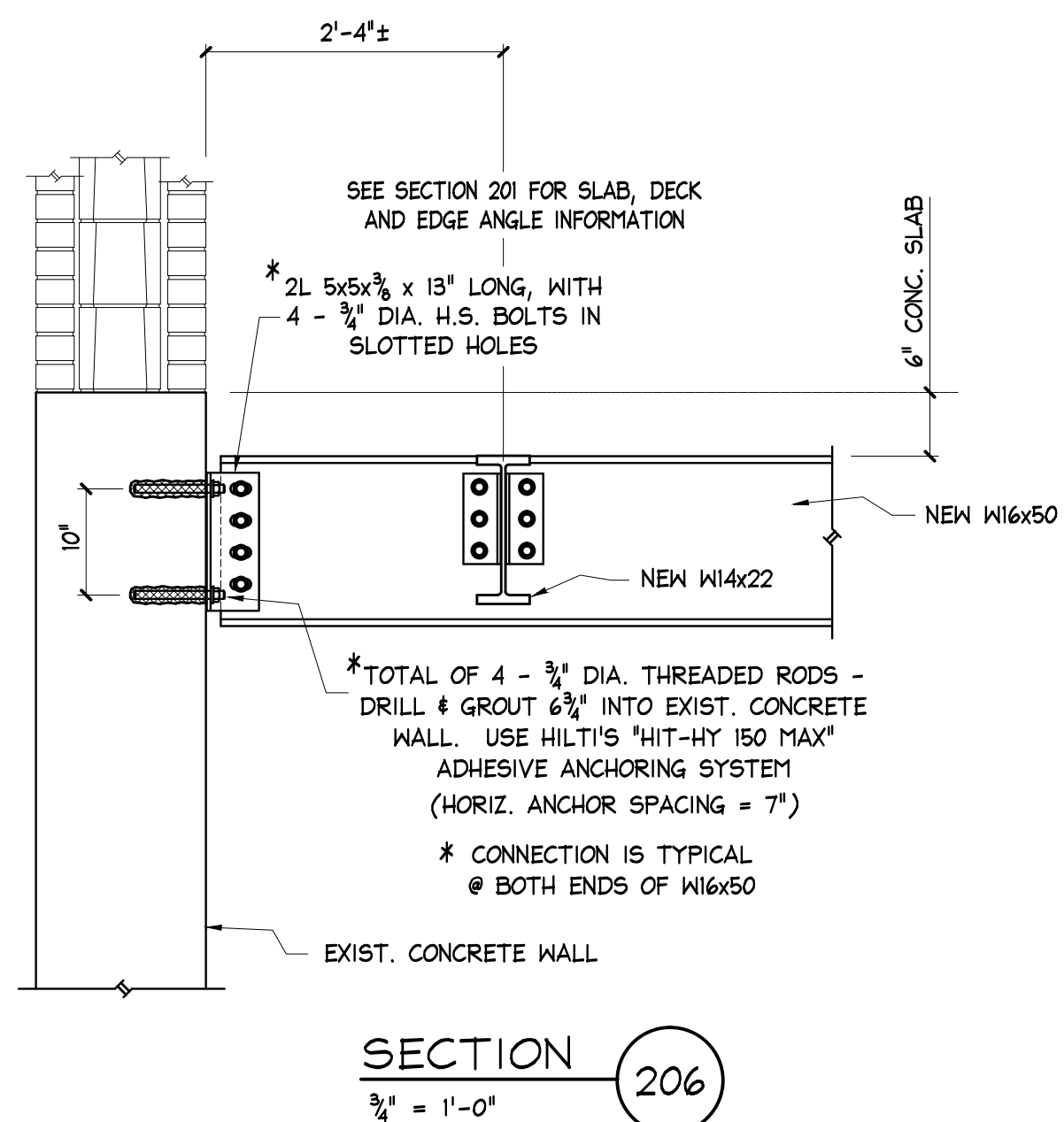
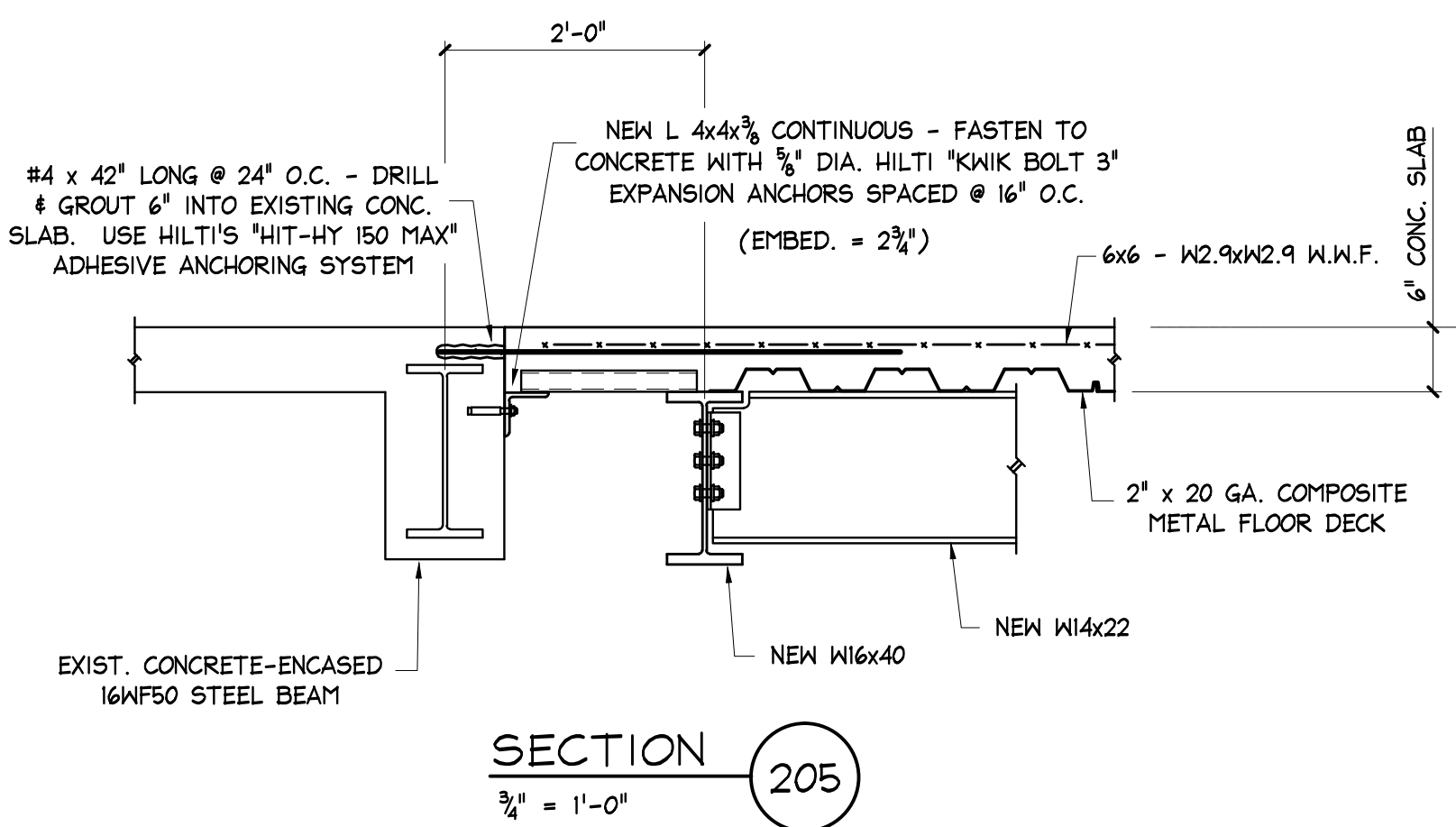
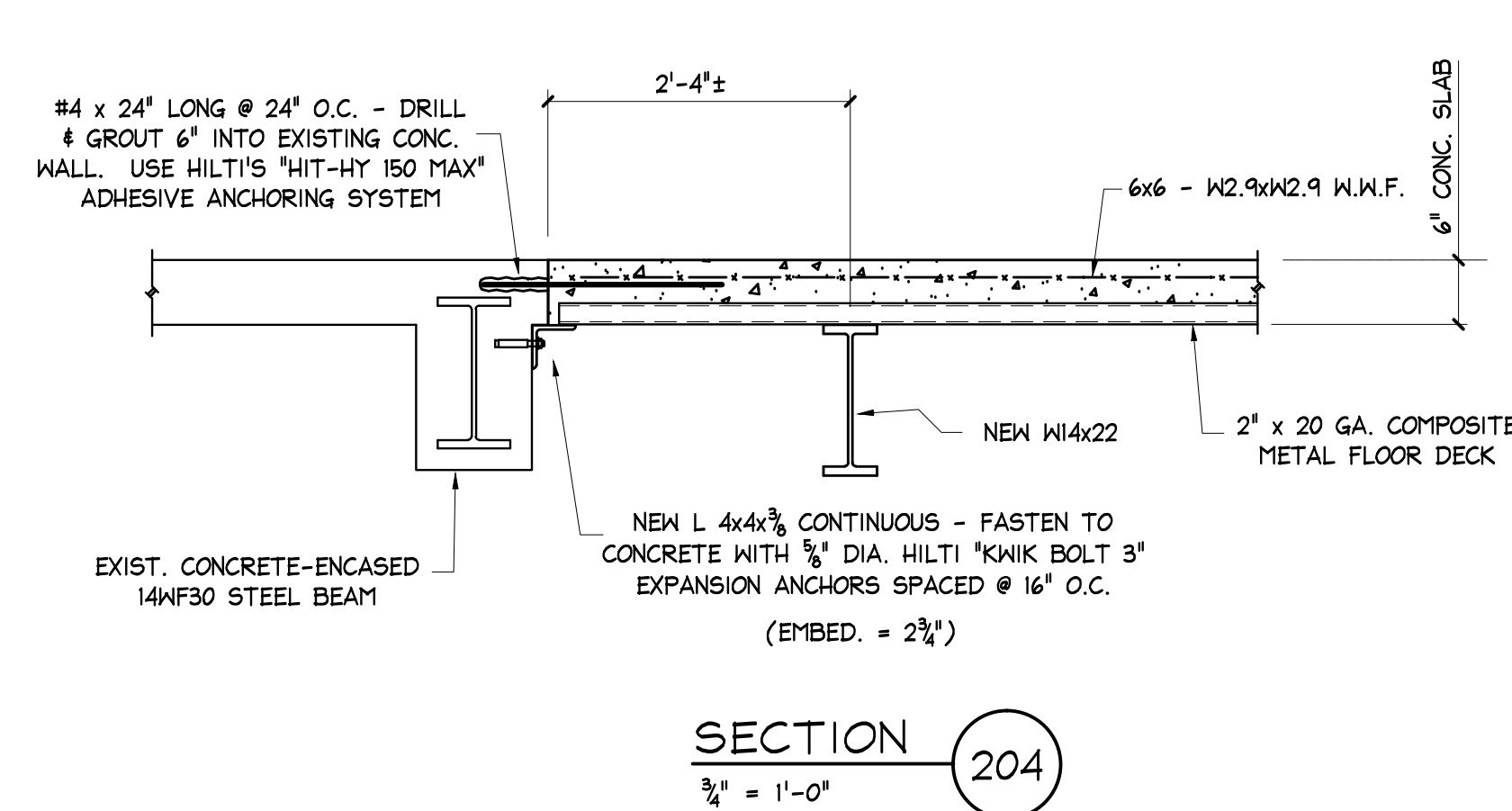
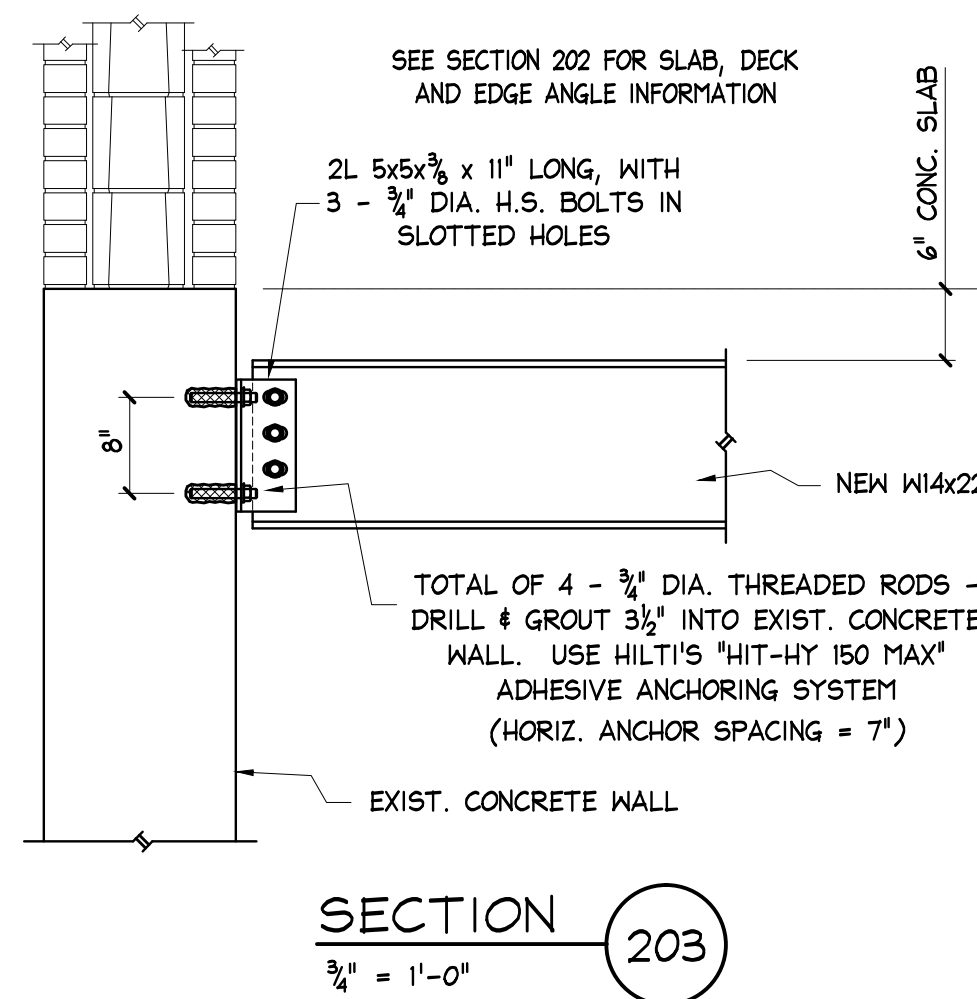
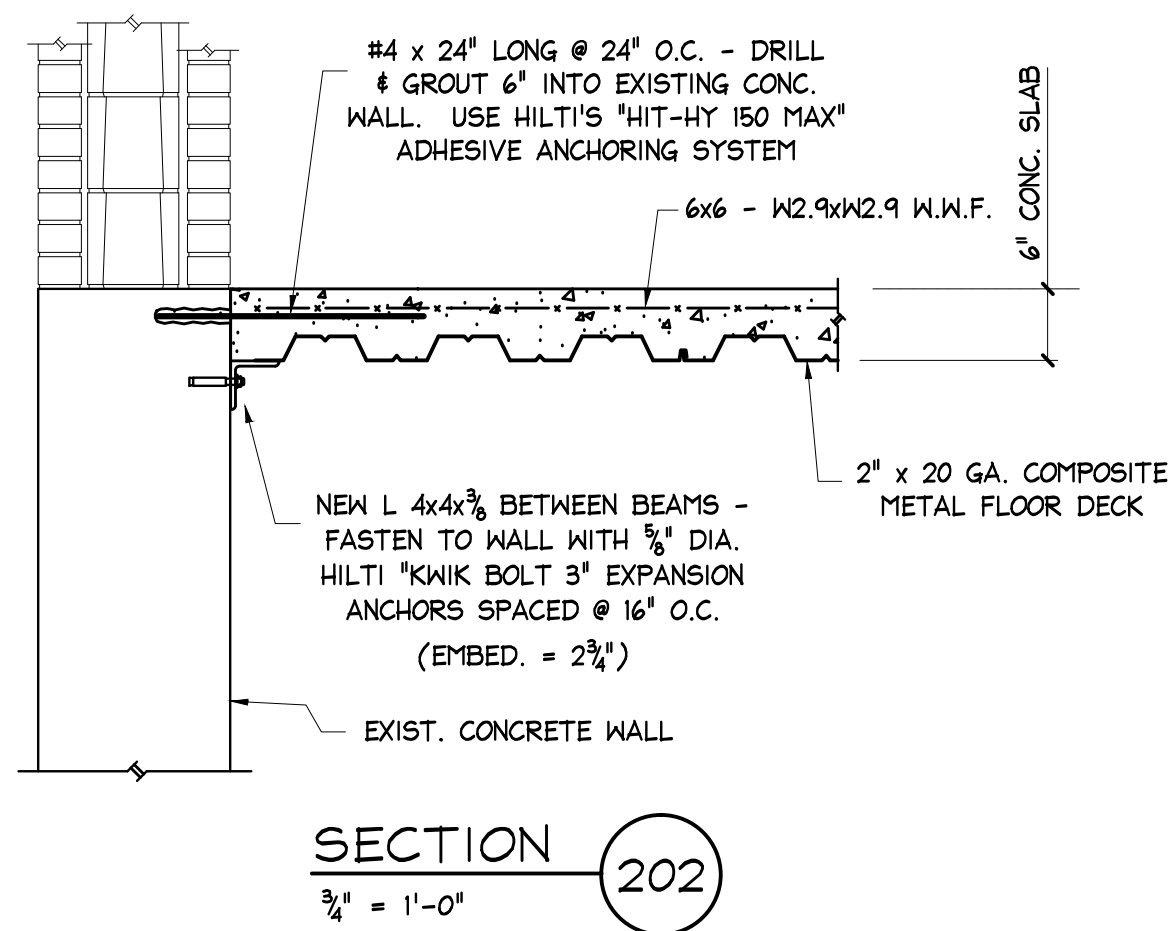
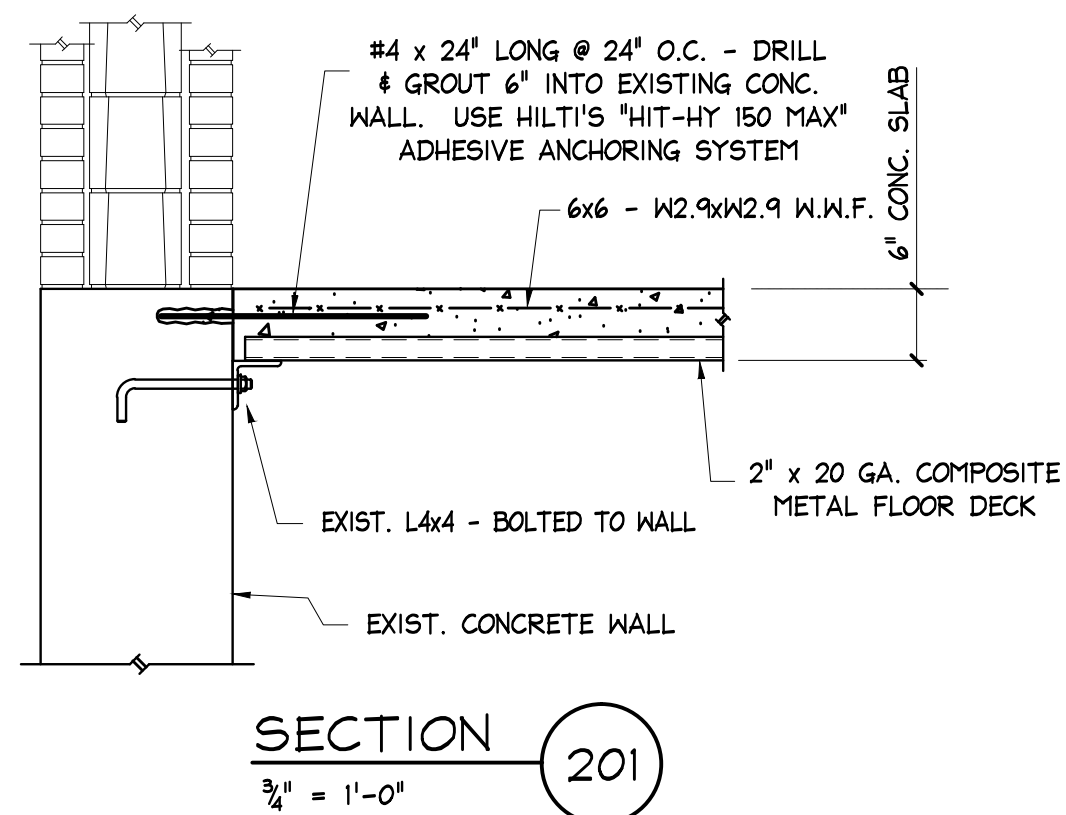
TYPICAL MASONRY WALL
CONTROL JOINT DETAILS
(NO SCALE)



KEY PLAN
SCALE: NONE

ISSUED FOR BID Revisions		02-15-13 Date		VA WESTERN NEW YORK HEALTHCARE SYSTEM 3495 BAILEY AVENUE BUFFALO, NEW YORK 14215		ECAB Engineering, P.C. 15 Schoen Place Suite 300 Buffalo, NY 14203 Phone: (585) 641-7121 Fax: (585) 362-4175 www.ecab.com		RKW Engineering, P.C. STRUCTURAL ENGINEERING CONSULTANTS 5569 West Henrietta Road West Henrietta, NY 14586 Tel: 585-359-1578 Fax: 585-359-3902		CARDIOLOGY MANAGER DATE ENGINEERING MANAGER DATE INFECTION CONTROL DATE CARELINE MANAGER DATE SAFETY OFFICER DATE CHIEF OF STAFF DATE		Drawing Title FLOOR FRAMING PLANS Project Title MEDICAL WASTE TRAILER Building Number 6 Checked RKW Drawn JLG Location V.A.M.C. BUFFALO, NEW YORK		Date February 15, 2013 Station No. 528-12-102 09-372-S201		Office of Facilities Department of Veterans Affairs	
-----------------------------	--	------------------	--	--	--	--	--	---	--	--	--	--	--	---	--	--	--

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



TYPICAL DETAIL @ TOP OF NON-BEARING CMU WALLS IN ROOMS U-12 AND U-13
3/4" = 1'-0"
SEE ARCH. DRAWINGS FOR WALL LOCATIONS.

ISSUED FOR BID	02-15-13
Revisions	Date

VA WESTERN NEW YORK HEALTHCARE SYSTEM
3495 BAILEY AVENUE
BUFFALO, NEW YORK 14215

EC4B
Engineering, P.C.
15 Schoen Place
Suite 300
Pittsford, NY 14534
Phone: (585) 641-7121
Fax: (585) 362-4175
www.ec4b.com

Consultant

stamp

RKW Engineering, P.C.
STRUCTURAL ENGINEERING CONSULTANTS
5569 West Henrietta Road
West Henrietta, NY 14586
Tel: 585-359-1578
Fax: 585-359-3902

Architect / Engineer

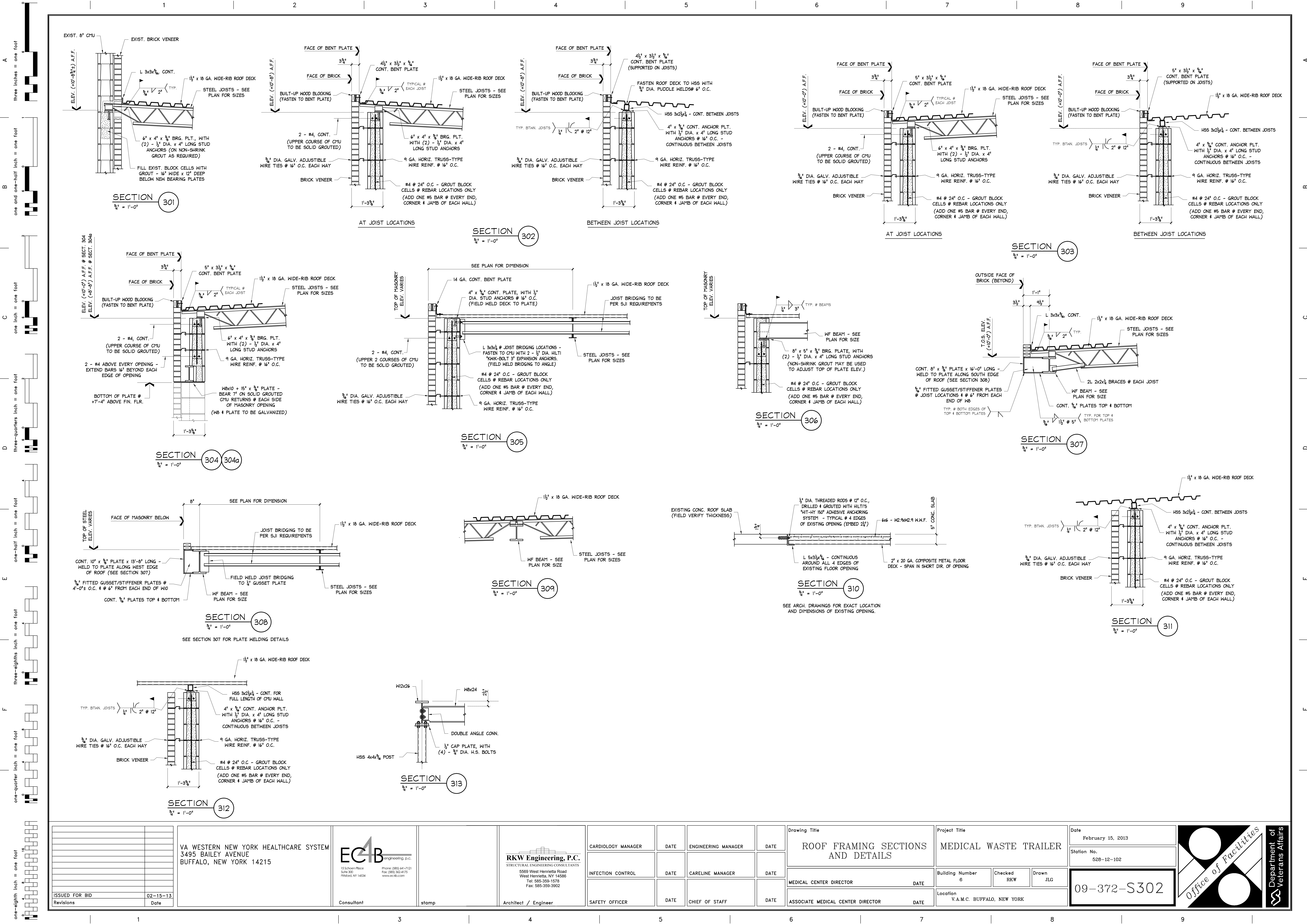
CARDIOLOGY MANAGER	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

Drawing Title	Project Title
FLOOR FRAMING SECTIONS AND DETAILS	MEDICAL WASTE TRAILER
MEDICAL CENTER DIRECTOR	DATE
ASSOCIATE MEDICAL CENTER DIRECTOR	DATE

Building Number	Checked	Drawn
6	RKW	JLG
Location	V.A.M.C. BUFFALO, NEW YORK	

Date	February 15, 2013
Station No.	52B-12-102
09-372-S202	





VA WESTERN NEW YORK HEALTHCARE SYSTEM
3495 BAILEY AVENUE
BUFFALO, NEW YORK 14215

ECAB
Engineering P.C.
15 Schoen Place
Suite 300
Pittsford, NY 14534
Phone: (585) 641-7121
Fax: (585) 362-4175
www.ecab.com

Consultant

stamp

RKW Engineering, P.C.
STRUCTURAL ENGINEERING CONSULTANTS
5560 West Henrietta Road
West Henrietta, NY 14586
Tel: 585-359-1578
Fax: 585-359-3902

Architect / Engineer

CARDIOLOGY MANAGER

DATE

ENGINEERING MANAGER

DATE

INFECTION CONTROL

DATE

CARELINE MANAGER

DATE

SAFETY OFFICER

DATE

CHIEF OF STAFF

DATE

Drawing Title
**ROOF FRAMING SECTIONS
AND DETAILS**

Project Title
MEDICAL WASTE TRAILER

Building Number
6

Checked
RKW

Drawn
JLG

Location
V.A.M.C. BUFFALO, NEW YORK

Date
February 15, 2013

Station No.
528-12-102

09-372-S302

Office of Facilities

Department of Veterans Affairs