

GENERAL:

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER COMPLETION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCING, AND TO ENSURE THE STABILITY OF THE STRUCTURE AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIE-DOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT AND SHALL REMAIN THE CONTRACTOR'S PROPERTY.

EXISTING CONDITIONS:

THE CONTRACTOR IS ADVISED THAT ALL PLANS, DIMENSIONS, AND DETAILS OF EXISTING CONSTRUCTION HAVE BEEN TAKEN FROM THE BEST AVAILABLE DOCUMENTS. THE CONTRACTOR SHALL VERIFY BY FIELD MEASUREMENT ALL PLANNED DIMENSIONS AND ELEVATIONS OF NEW CONSTRUCTION IN RELATION TO EXISTING CONSTRUCTION PRIOR TO PREPARATION OF STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS. ANY DEVIATIONS IN PLANNED DIMENSIONS OR ELEVATIONS FROM THE CONTRACT DOCUMENTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

THERE IS NO WARRANTY OR GUARANTEE ON THE COMPLETENESS OF THE EXISTING CONDITION INFORMATION.

1. STRUCTURAL REFERENCE DRAWINGS SHOWING EXISTING CONSTRUCTION ARE AVAILABLE FROM THE OWNER AS:

A. PROJECT TITLE: "120-BED NURSING HOME CARE UNIT CLINICAL FACILITIES DATED JAN. 4, 1982, MARTIN & CAGLEY, STRUCTURAL ENGINEERS"

DEMOLITION:

- PROTECT EXISTING CONSTRUCTION TO REMAIN DURING DEMOLITION OPERATIONS.
- CUT EXISTING CONSTRUCTION USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO BE RETAINED. IN GENERAL, WHERE CUTTING IS REQUIRED, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING. CUT HOLES AND SLOTS NEATLY TO SIZE REQUIRED WITH MINIMUM DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE. CUT THROUGH CONCRETE USING A CUTTING MACHINE SUCH AS CARBORUNDUM SAW OR DIAMOND CORE DRILL.
- CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED, RELOCATED OR ABANDONED. CAP VALVE OR PLUG AND SEAL THE REMAINING PORTION OF PIPE OR CONDUIT TO PREVENT ENTRANCE OF MOISTURE OR OTHER FOREIGN MATTER AFTER BY-PASSING AND CUTTING.
- PROMPTLY REPAIR DAMAGES CAUSED BY DEMOLITION OPERATIONS AT NO COST TO OWNER. REMOVE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS FROM THE BUILDING SITE AND LEGALLY DISPOSE.
- IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS OR CONDITIONS WHICH CONFLICT WITH INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE BOTH NATURE AND EXTENT OF THE CONFLICT. SUBMIT REPORT TO OWNER'S REPRESENTATIVE IN WRITTEN, ACCURATE DETAIL. PENDING RECEIPT OF DIRECTIVE FROM OWNER'S REPRESENTATIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.

UTILITIES:

- CONTRACTOR IS TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO PERFORMING ANY SUBSURFACE OR EXCAVATION WORK.
- PROTECT EXISTING UTILITIES TO REMAIN DURING CONSTRUCTION TO PREVENT DAMAGE.
- TAKE ALL PRECAUTIONS NECESSARY TO AVOID CUTTING EXISTING PIPE, CONDUIT OR DUCTWORK SERVING THE BUILDING, UNTIL PROVISIONS HAVE BEEN MADE TO BYPASS THEM. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER.


FOUNDATIONS:

- A SOIL BEARING CAPACITY OF 2500 PSF WAS USED IN THE FOUNDATION DESIGN, AND MUST BE FIELD VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER. IF SOIL OF THIS BEARING CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS INDICATED ON THE CONTRACT DRAWINGS, FOOTINGS SHALL BE LOWERED OR INCREASED IN SIZE AS DIRECTED BY THE STRUCTURAL ENGINEER.
- PROVIDE SHEETING AS REQUIRED TO SUPPORT LATERAL LOADS DURING EXCAVATION.
- FILL ALL VOIDS AND REPLACE DISTURBED SOIL WITH FLOWABLE FILL OR APPROVED STRUCTURAL FILL.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS OF TRENCHES, PITS, CONDUITS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

MATERIALS:

A. CONCRETE:	FOOTINGS & FOUNDATION WALLS	f'c = 3000 PSI; WT. = 145 PCF
	SLABS-ON-GRADE	f'c = 3000 PSI; WT. = 145 PCF, AIR ENTRAINED
B. REINFORCING STEEL:	CONCRETE FILL OVER COMPOSITE METAL DECK	f'c = 4000 PSI; WT. = 110 PCF, AIR ENTRAINED
	RETAINING WALLS/STAIRS	f'c = 3000 PSI; WT. = 145 PCF, AIR ENTRAINED
C. STEEL & DECK:	REINFORCING BARS	ASTM A615, GR 60, DEFORMED
	WELDED WIRE FABRIC	ASTM A1064
D. CONNECTORS:	CHANNELS, PLATES, AND ANGLES	ASTM A36
	WIDE-FLANGE SHAPES	ASTM A992
	HOLLOW STRUCTURAL SECTIONS	ASTM A500, GR B
	METAL DECK	ASTM A653, GR 33, GALVANIZED
	HIGH-STRENGTH BOLTS	ASTM A325
	WELDS	E70XX ELECTRODES, U.N.O.
	HEADED STUDS	ASTM A108
	ANCHOR BOLTS	ASTM F1554, GR 55, GALVANIZED

CONSTRUCTION:

- BEAM & GIRDER SIZES ARE SHOWN ON PLAN. COLUMNS AND CAP/BASE PLATES ARE SCHEDULED. A SMALL TRIANGLE AT THE END OF SINGLE LINE STEEL BEAM SHOWN ON THE PLANS THUS,  INDICATES A RIGID CONNECTION WITH THE SMALL TRIANGLE BEING ON THE SIDE OF, AND INDICATING THE LOCATION OF THE RIGID CONNECTION. SEE TYPICAL DETAILS 10 & 11 ON SHEET S-303 AND AS INDICATED. FOR ALL OTHER CONNECTIONS, DETAIL IN ACCORDANCE WITH AISC TYPE II CONSTRUCTION FOR THE FULL CAPACITY OF THE CONNECTING MEMBER. ALSO SEE TYPICAL DETAILS 8 & 9 ON SHEET S-303. NO CONNECTION SHALL CONSIST OF LESS THAN (2) 3/4" HIGH-STRENGTH BOLTS, OR WELD DEVELOPING LESS THAN 10,000 POUNDS.
- HEADED STUD SHEAR CONNECTORS FOR COMPOSITE CONSTRUCTION SHALL BE 3/4" DIA. x 3 1/2" IN ALL 5 1/2" THICK SLABS. UNLESS DETAILED OTHERWISE, SHEAR CONNECTORS SHALL BE DISTRIBUTED EVENLY ALONG BEAM LENGTH, WITH ONE ROW OF STUDS PER BEAM UNLESS OTHERWISE INDICATED.
- ALL ELEVATED SLABS TO BE 5 1/2" TOTAL DEPTH WITH 2 INCH, 20 GAGE, GALVANIZED METAL COMPOSITE DECK; REINFORCED WITH 4x4/W3.5 x W3.5 WELDED WIRE FABRIC. REINFORCING SHALL BE LOCATED 1 1/2" DOWN FROM TOP OF SLAB.
- TOP OF STEEL ELEVATIONS SHOWN ON PLAN INDICATED THUS, (-XX-XX"), ARE RELATIVE TO FINISH FLOOR ELEVATION INDICATED.
- ALL NEW STEEL BEAMS, COLUMNS, AND GIRDERS SHALL RECEIVE SPRAY-APPLIED FIREPROOFING. THE UNDERSIDE OF METAL FLOOR AND ROOF DECKS SHALL NOT RECEIVE FIREPROOFING. ALL STRUCTURAL STEEL TO RECEIVE FIREPROOFING SHALL NOT BE SHOP-PRIMED.
- ROOF METAL DECK SHALL BE 1 1/2" INCH, TYPE B, 20 GAGE, GALVANIZED.
- UNLESS OTHERWISE DETAILED, ALL REINFORCEMENT IN POURED CONCRETE AGAINST EARTH SHALL HAVE 3" CLEAR COVER, MINIMUM. ALL OTHER REINFORCEMENT SHALL HAVE 2" CLEAR COVER, MINIMUM.

DESIGN CODES AND STANDARDS:

- 2012 INTERNATIONAL BUILDING CODE (IBC)
- AMERICAN CONCRETE INSTITUTE (ACI)
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. (ASCE 7-10).
- STANDARDS OF SEISMIC SAFETY FOR EXISTING FEDERALLY OWNED AND LEASED BUILDINGS (ICSSC RECOMMENDED PRACTICE 8) (RP 8), NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST), US DEPARTMENT OF COMMERCE.
- STRUCTURAL DESIGN MANUAL FOR HOSPITAL PROJECTS, DEPARTMENT OF VETERANS AFFAIRS; FEBRUARY 1, 2014.

FLOOR LIVE LOAD:

LOBBIES	= 100 PSF
WARD ROOMS	= 40 PSF
CORRIDORS/STAIRS	= 100 PSF

ROOF LIVE LOAD:

ROOF	= 30 PSF
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DEAD LOADS:

PARTITIONS	= 20 PSF
STRUCTURAL STEEL	= SELF WEIGHT
MECHANICAL ALLOWANCE	= 5 PSF
SPRINKLERS	= 3 PSF
CEILING	= 5 PSF
COMPOSITE FLOOR	= 42 PSF
CONSTRUCTION	= 10 PSF
ROOF CONSTRUCTION	= 10 PSF
FACADE	= 20 PSF

ROOF SNOW LOAD (ASCE 7-10):

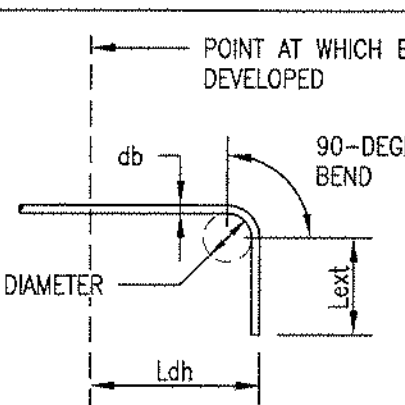
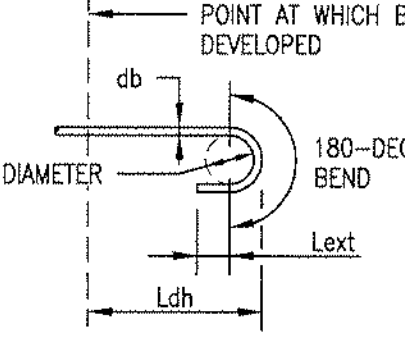
- GROUND SNOW LOAD, Pg = 30 PSF
- SNOW EXPOSURE FACTOR, Ce = 1.0
- SNOW LOAD IMPORTANCE FACTOR, I = 1.10
- THERMAL FACTOR, Ct = 1.0
- FLAT-ROOF SNOW LOAD, Pf = 23.1 PSF

EARTHQUAKE LOAD (ASCE 7-10):

- RISK CATEGORY = III
- IMPORTANCE FACTOR, Ie = 1.25
- MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
Ss = 0.119g
S1 = 0.051g
- SITE CLASS: D
- DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
SDS = 0.126g
SDI = 0.081g
- SEISMIC DESIGN CATEGORY = 8
- SEISMIC FORCE-RESISTING SYSTEM = STEEL ORDINARY MOMENT FRAMES
- RESPONSE MODIFICATION FACTOR, R = 3.5
- DEFLECTION MODIFICATION FACTOR, Cd = 3.0
- RESPONSE COEFFICIENT, Cs = 0.045
- DESIGN BASE SHEAR, V = Cs*WEIGHT
- ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE ANALYSIS & DESIGN

WIND LOAD (ASCE 7-10):

- BASIC WIND SPEED = 120 MPH
- RISK CATEGORY = III
- IMPORTANCE FACTOR = 1.0
- WIND EXPOSURE = B
- GUST FACTOR, G = 0.85
- INTERNAL PRESSURE COEFFICIENT = ± 0.18
- WIND TOPOGRAPHIC FACTOR, Kzt = 1.0
- BASE WIND PRESSURE = 22 PSF

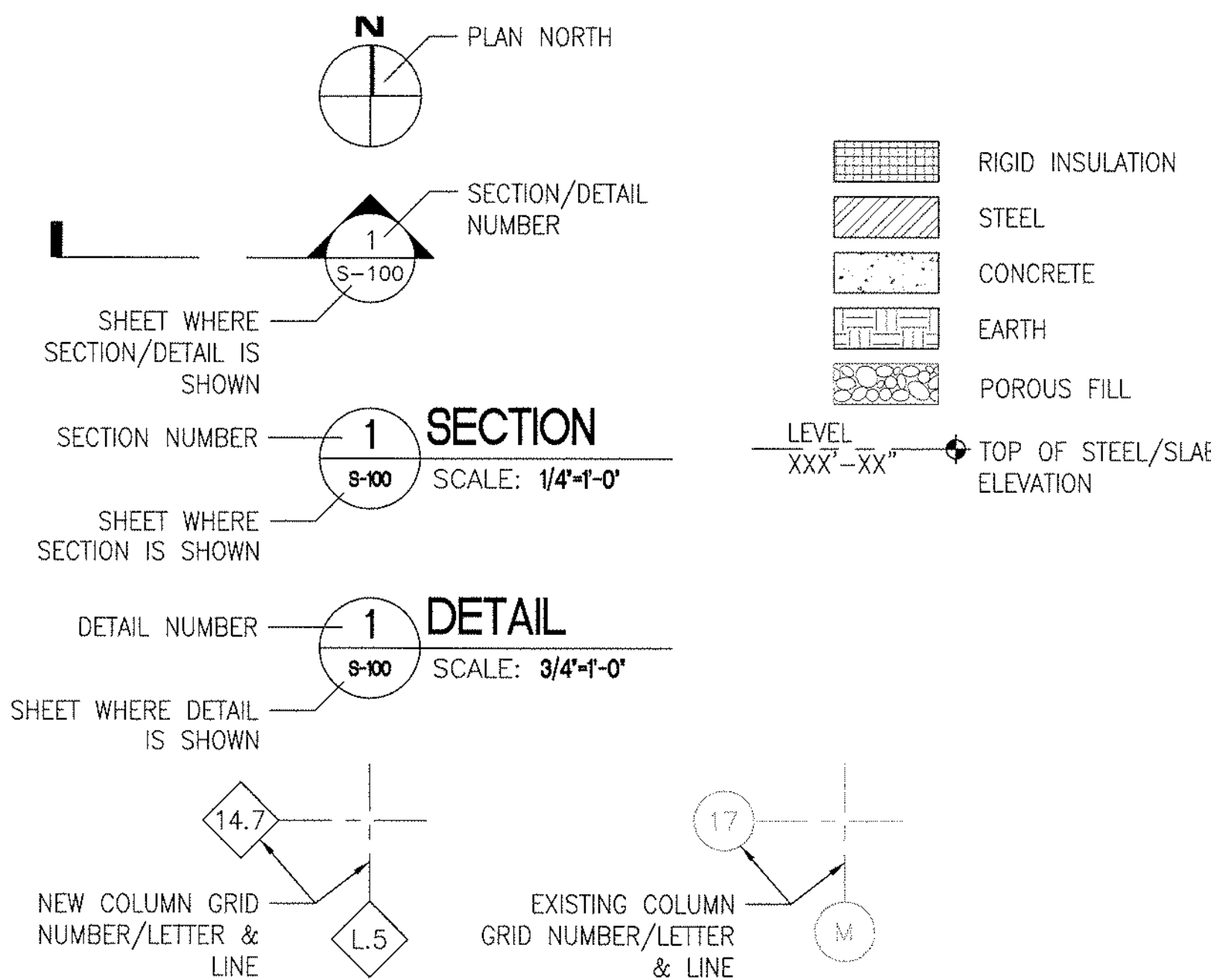
TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER, IN.	STRAIGHT EXTENSION L EXT, IN.	TYPE OF STANDARD HOOK
90-DEGREE HOOK	#3 THROUGH #8	6db	12db	
	#9 THROUGH #11	8db		
	#14 THROUGH #18	10db		
180-DEGREE HOOK	#3 THROUGH #8	6db	GREATER OF 4db AND 2.5 IN.	
	#9 THROUGH #11	8db		
	#14 THROUGH #18	10db		

STANDARD HOOK GEOMETRY FOR DEVELOPMENT OF DEFORMED BARS

LAP SPLICES (CLASS B) FOR 3000 PSI N.W. CONCRETE	
BAR SIZE	LAP LENGTH, U.N.O. [IN]
#3	28
#4	37
#5	46
#6	56
#7	81
#8	93
#9	104
#10	118

LAP SPLICE SCHEDULE

LEGEND



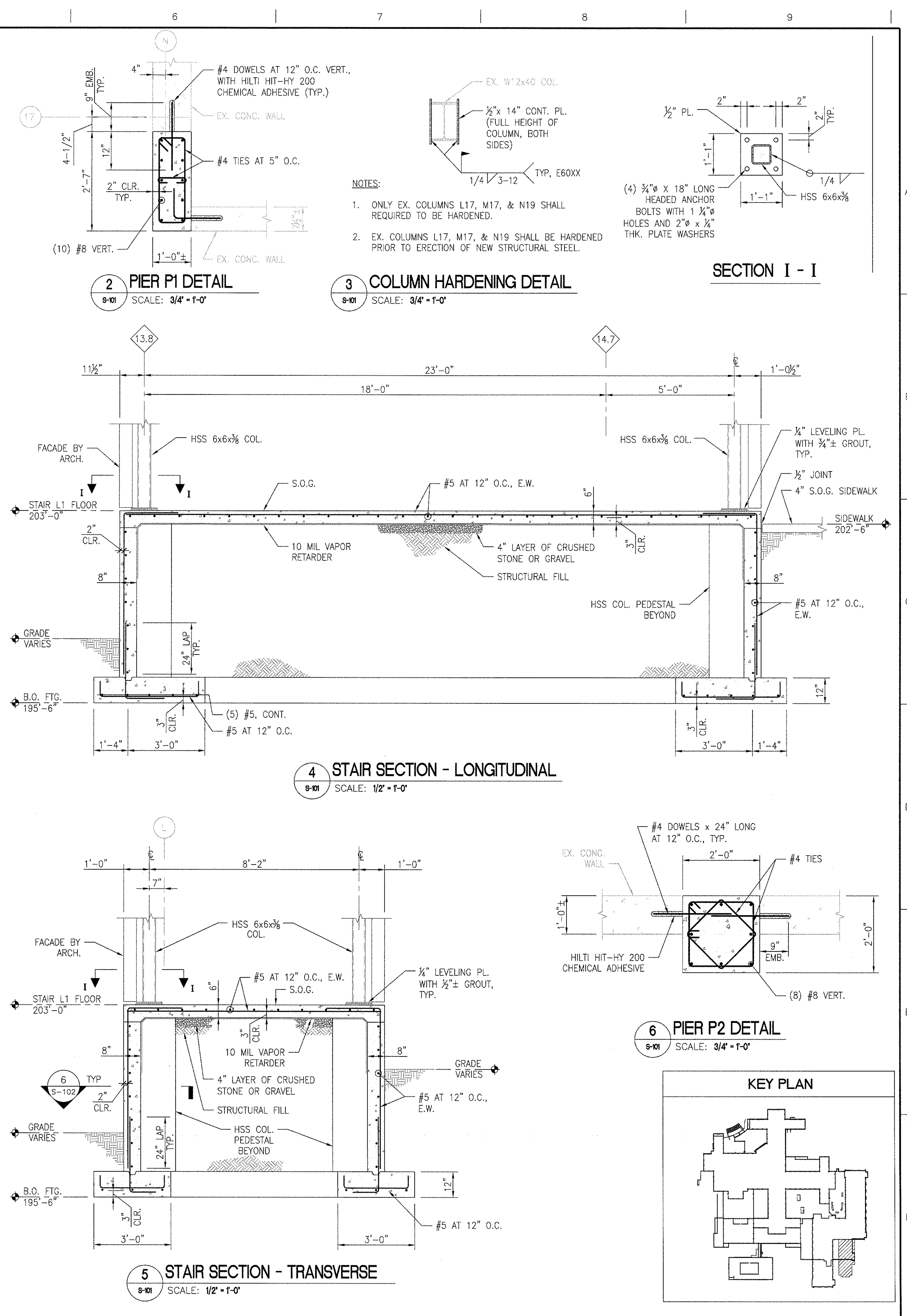
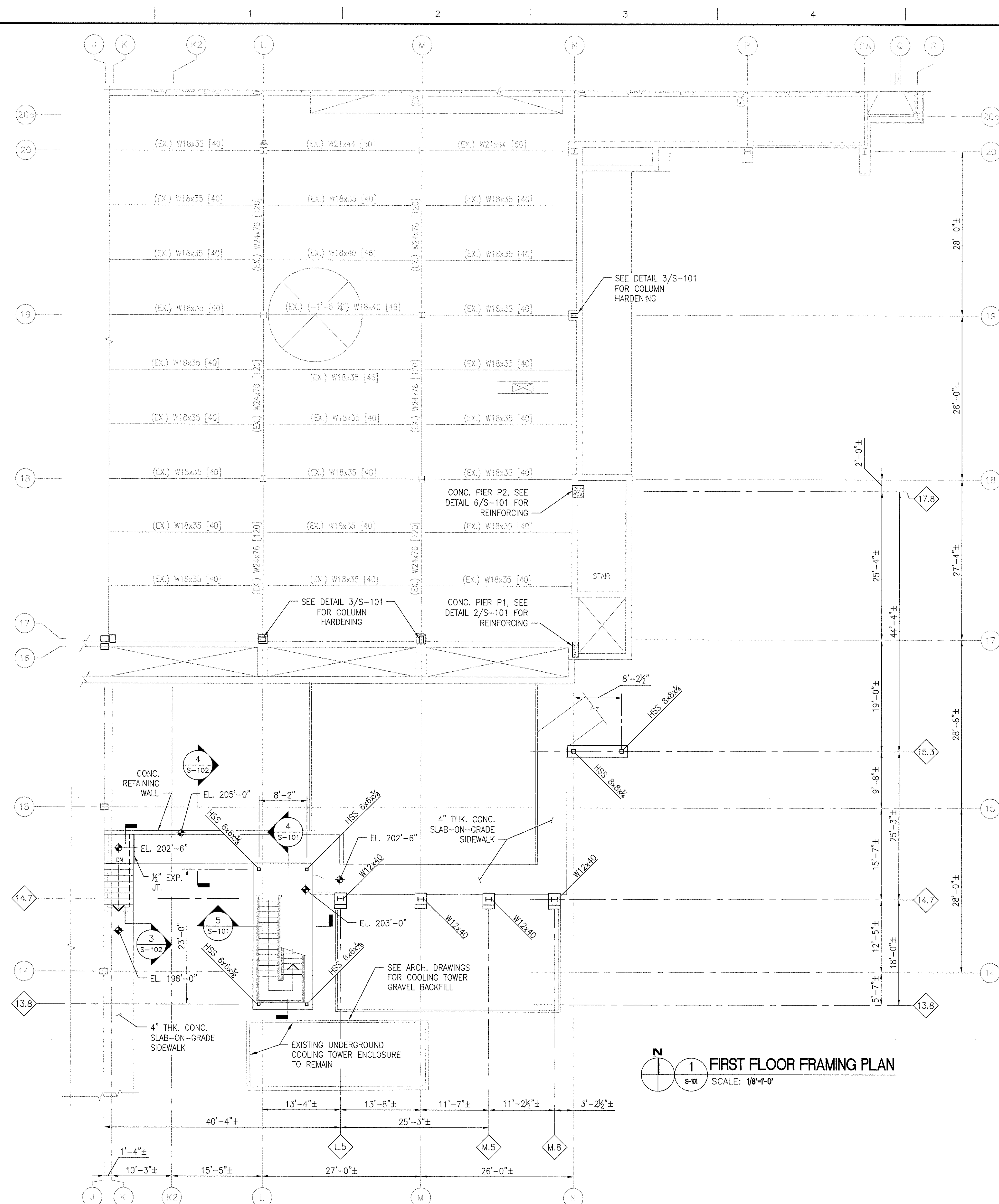
ABBREVIATIONS:

ARCH.	ARCHITECTURAL
CLR.	CLEAR
CONC.	CONCRETE
CONT.	CONTINUOUS
CONN.	CONNECTION
DIM.	DIMENSION
E.W.	EACH WAY
EL.	ELEVATION
EX.	EXISTING
F.F.E.	FINISH FLOOR ELEVATION
FTG.	FOOTING
HORIZ.	HORIZONTAL
L.W.	LIGHT WEIGHT
MECH.	MECHANICAL
MTL.	METAL
N.W.	NORMAL WEIGHT
O.C.	ON CENTER
PL.	PLATE
STL.	STEEL
THK.	THICK
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
WT.	WEIGHT

INDEX OF STRUCTURAL DRAWING:

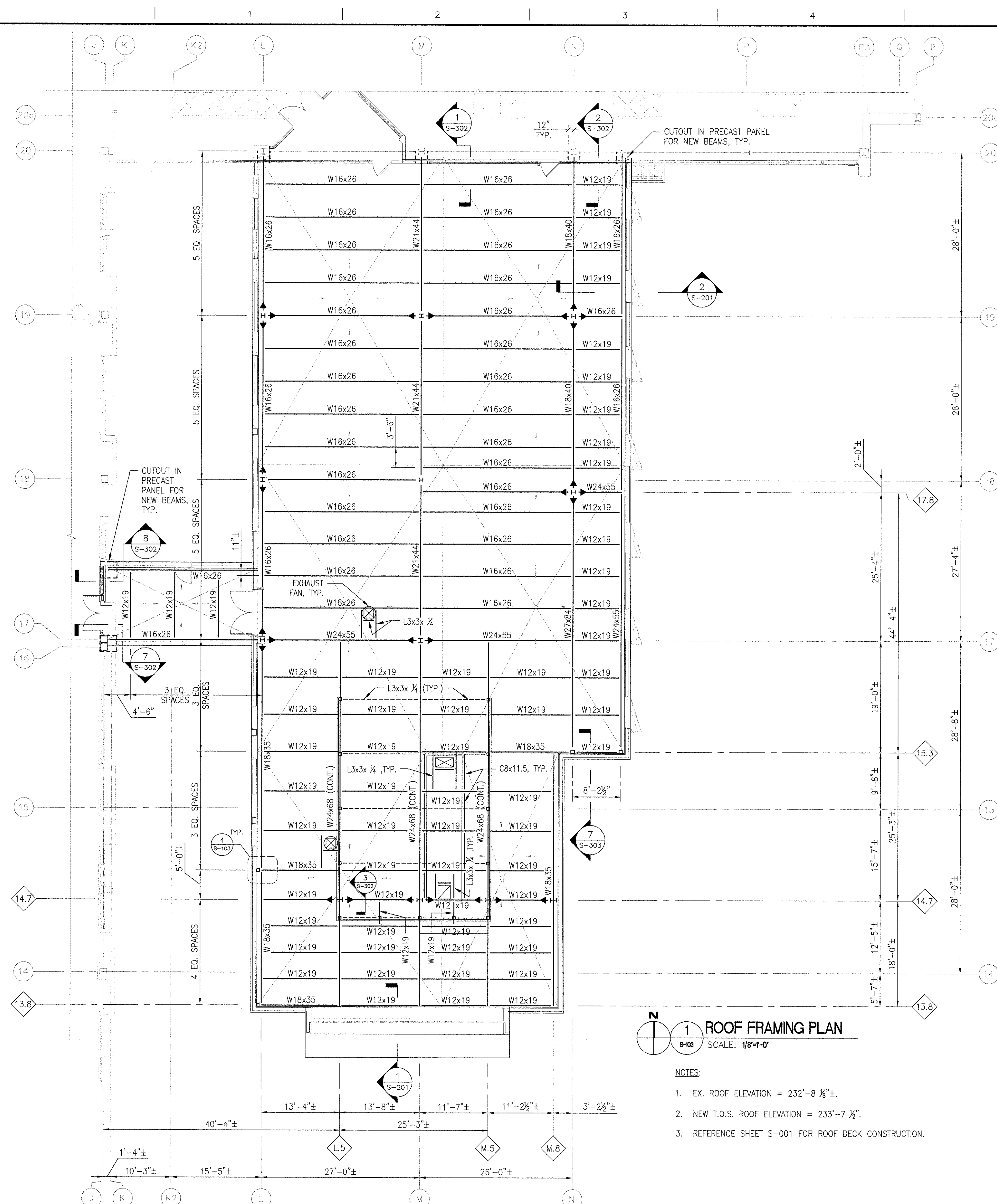
S-001	STRUCTURAL NOTES
S-100	FOUNDATION PLAN AND DETAILS
S-101	FIRST FLOOR FRAMING PLAN
S-102	SECOND FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-201	WALL SECTIONS
S-301	FRAMING DETAILS I
S-302	FRAMING DETAILS II
S-303	TYPICAL DETAILS
S-401	COLUMN SCHEDULE

CONSULTANTS LEO A DALY PLANNING ARCHITECTURE ENGINEERING INTERIORS 1201 Connecticut Ave NW Washington DC 20036 USA Tel 202-891-4800 Fax 202-872-8530		E.B.I. ENGINEERS, LLC MECHANICAL • ELECTRICAL • FIRE PROTECTION The Professional Engineering Center 8005 Yorkland Road, Baltimore, Maryland 21234-3701 (410) 638-9000 Fax (410) 648-1001 e-mail: eb@ebiengineers.com 370% Protection - Life Safety - Code Compliance	JMT JOHNSON, MIRMIRAN & THOMPSON Engineering A Brighter Future 72 Loveton Circle Sparks, Maryland 21152 phone / 410.329.3100 fax / 410.472.2200	AMT LLC PROFESSIONAL ENGINEERS & LAND SURVEYORS 10 G STREET, NE, SUITE 430 WASHINGTON, DC 20002 PH: (202) 289-4545 FAX: (202) 289-5051	ARCHITECT MIMAR ARCHITECTS, INC. Architecture, Engineering, Design/Build 7004 Security Blvd, Suite #210 Baltimore, MD 21244 Phone: 410-944-4900 Fax: 410-499-8044	Drawing Title STRUCTURAL NOTES Approved Project Director APPROVED - BY - NAME APPROVED - BY - TITLE/RANK STATION - MANAGEMENT	Project Title ADDITION AND RENOVATION OF THE COMMUNITY LIVING CENTER Location YAMC WASHINGTON, DC Date APPROVED - DATE	Project Number 688-400 Building Number BUILDING #6 Drawing Number S-001 Dwg. of	Office of Construction and Facilities Management Department of Veterans Affairs
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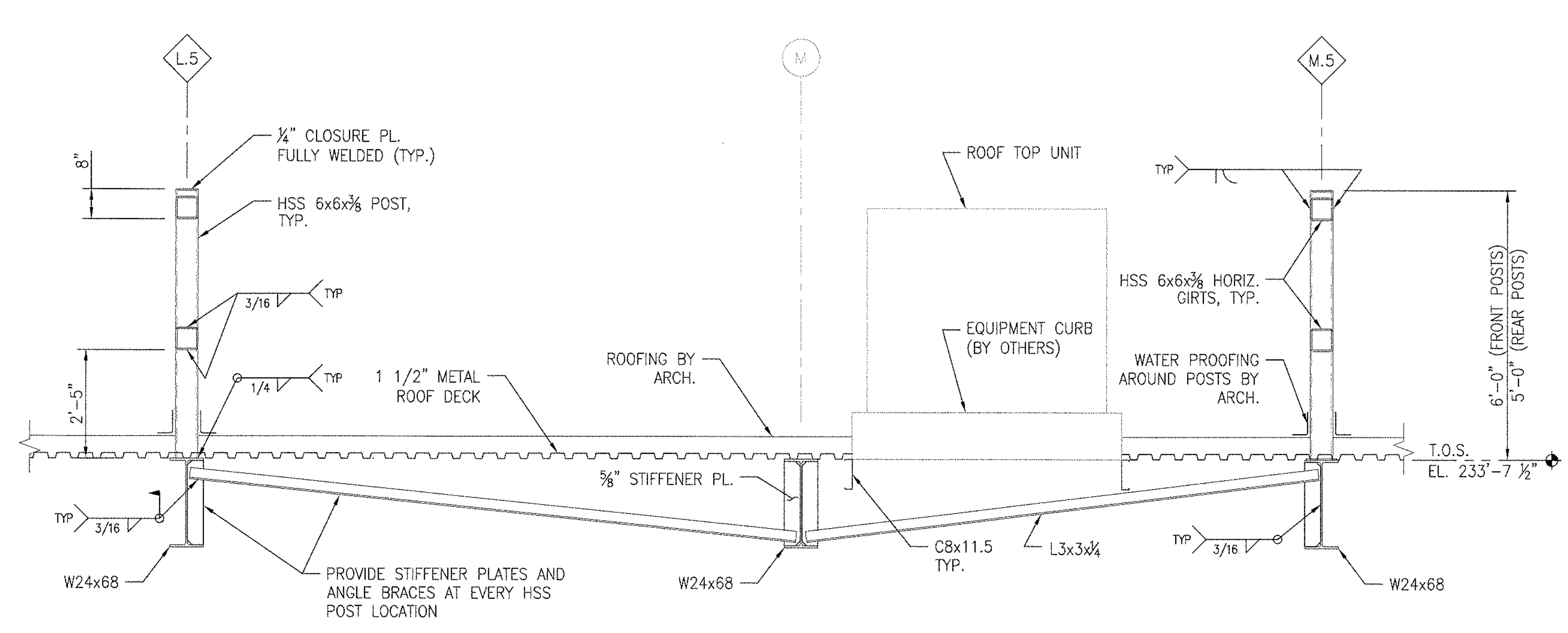
CONSULTANTS LEO A DALY PLANNING ARCHITECTURE ENGINEERING INTERIOR DESIGN 1901 Connecticut Ave NW Washington DC 20036 USA Tel 202-661-4800 Fax 202-672-8500		EBL ENGINEERS, LLC The Professional Engineering Center 8005 Harford Road, Baltimore, Maryland 21244-5701 (410) 668-8000 Fax (410) 668-8001 e-mail: ebl@engr.com Fire Protection - Life Safety - Code Compliance		JMT JOHNSON, MURPHY & THOMPSON Engineering A Brighter Future 72 Loveton Circle Sparks, Maryland 21152 phone / 410.329.3100 fax / 410.472.2200		AMT LLC PROFESSIONAL ENGINEERS & LAND SURVEYORS 10 G STREET, NE, SUITE 430 WASHINGTON, DC 20002 PH: (202) 269-4545 FAX: (202) 269-5051		ARCHITECT MIMAR ARCHITECTS, INC. Architecture, Engineering, Design/Build 7044 Security Blvd, Suite #210 Baltimore, MD 21244 Phone: 410-944-4900 Fax: 410-499-8044		Drawing Title FIRST FLOOR FRAMING PLAN Approved Project Director APPROVED - BY - NAME APPROVED - BY - TITLE/RANK STATION - MANAGEMENT		Project Title ADDITION AND RENOVATION OF THE COMMUNITY LIVING CENTER Location VAMC WASHINGTON, DC Date APPROVED - DATE		Project Number 688-400 Building Number BUILDING #6 Drawing Number S-101 Dwg. of		Office of Construction and Facilities Management Department of Veterans Affairs	
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one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



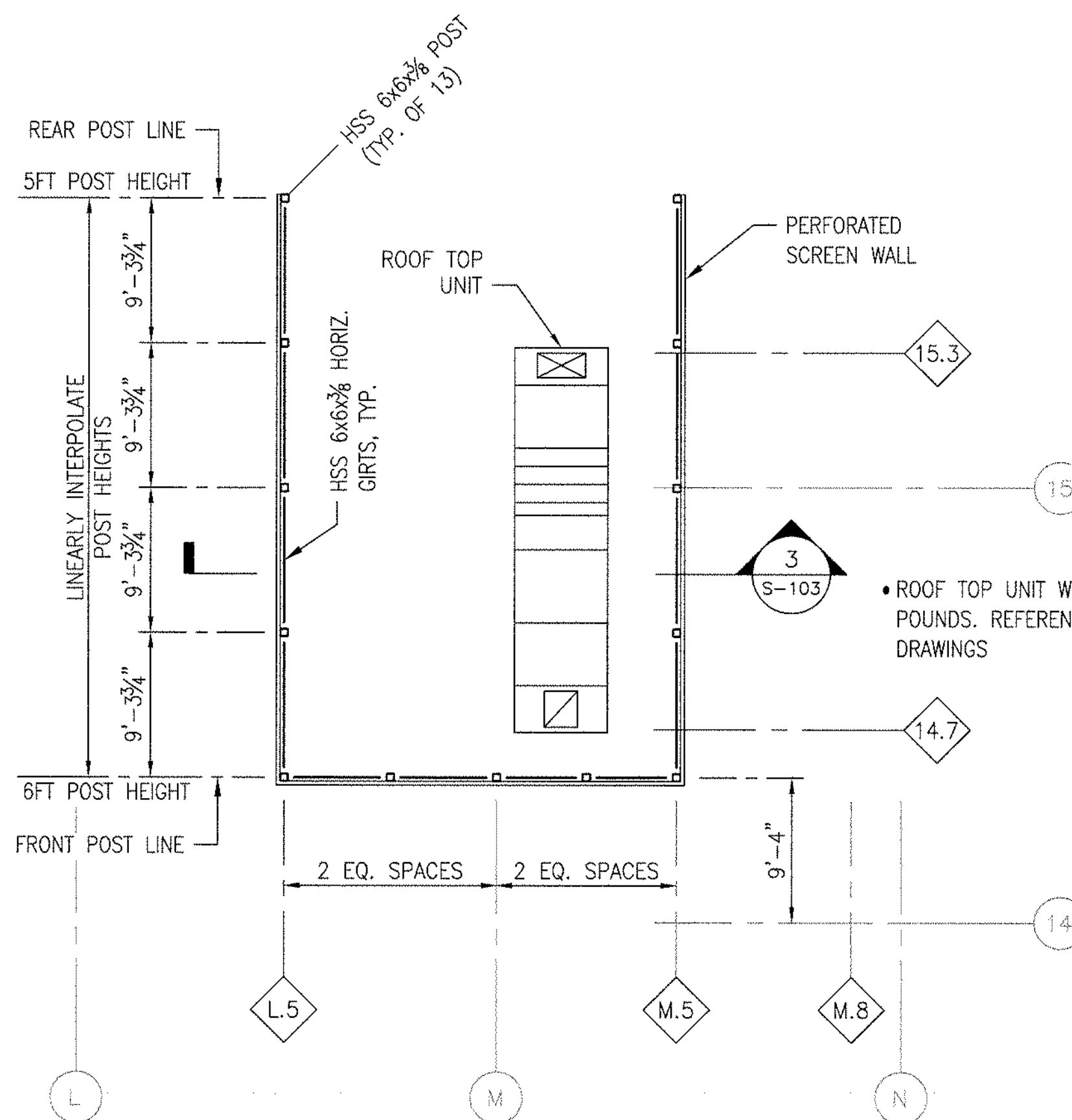
1 ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

- NOTES:
- EX. ROOF ELEVATION = 232'-8 1/2"±.
 - NEW T.O.S. ROOF ELEVATION = 233'-7 1/2"±.
 - REFERENCE SHEET S-001 FOR ROOF DECK CONSTRUCTION.

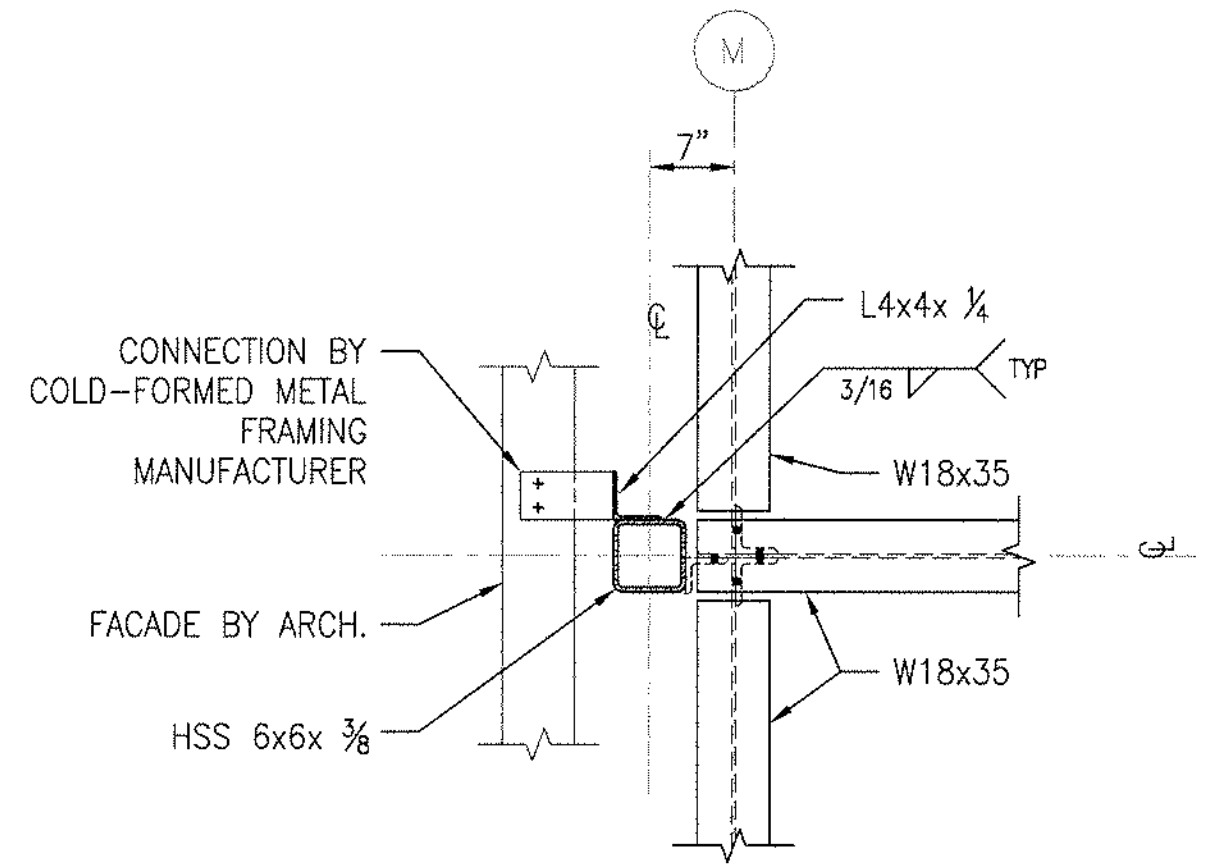


3 ROOF SCREEN WALL - SECTION
SCALE: 1/2"=1'-0"

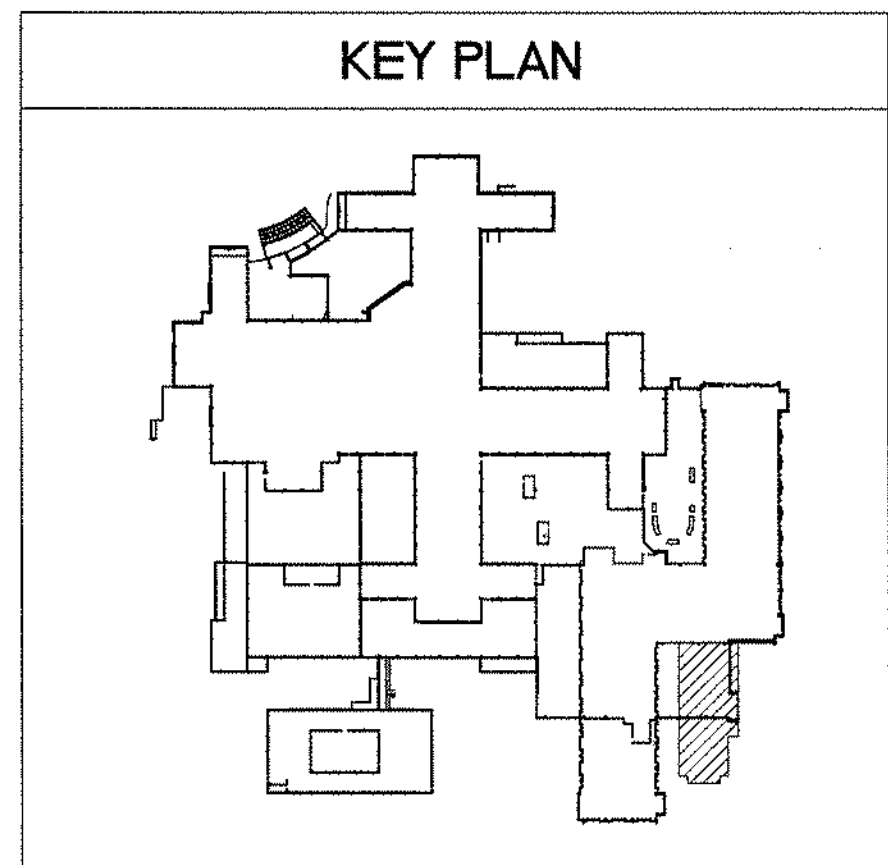
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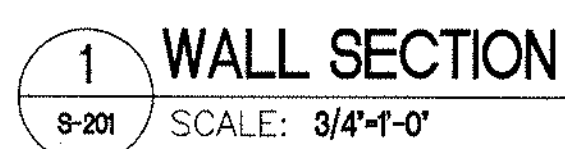
2 ROOF SCREEN WALL - PLAN
SCALE: 1/8"=1'-0"



4 TYPICAL CONN. DETAIL
SCALE: 3/4"=1'-0"



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		CONSULTANTS				ARCHITECT		Drawing Title WALL SECTIONS		Project Title ADDITION AND RENOVATION OF THE COMMUNITY LIVING CENTER		Project Number 688-400		Office of Construction and Facilities Management	
		LEO A DAILY PLANNING ARCHITECTURE ENGINEERING INTERIORS 1201 Connecticut Ave NW Washington DC 20036 USA Tel 202-961-4800		EBL ENGINEERS, LLC MECHANICAL • ELECTRICAL • FIRE PROTECTION The Professional Engineering Center 8003 Harford Road, Baltimore, Maryland 21284-5701 (410) 688-8000 FAX (410) 688-8001 e-mail: eb@eblengineers.com Fire Protection • Life Safety • Code Compliance		JMT JOHNSON, MIRMAN & THOMPSON Engineering A Brighter Future 72 Loveton Circle Sparks, Maryland 21152 phone /410.329.2100 Fax /410.472.2200		AMT LLC PROFESSIONAL ENGINEERS & LAND SURVEYORS 10 S STREET, NE, SUITE 430 WASHINGTON, DC, 20002 PH: (202) 269-6545 FAX: (202) 280-6051		MIMAR ARCHITECTS, INC. Architecture, Engineering, Design/Build 7004 Security Blvd, Suite #210 Baltimore, MD 21244 Phone: 410-944-4900 Fax: 410-499-8044		Approved Project Director APPROVED - BY - NAME APPROVED - BY - TITLE/RANK STATION - MANAGEMENT			
ISSUED FOR BIDDING Revisions		10/06/2015 Date								Location VAMC WASHINGTON, DC		Drawing Number S-201		Department of Veterans Affairs	
										Date APPROVED - DATE		Dwg. of			

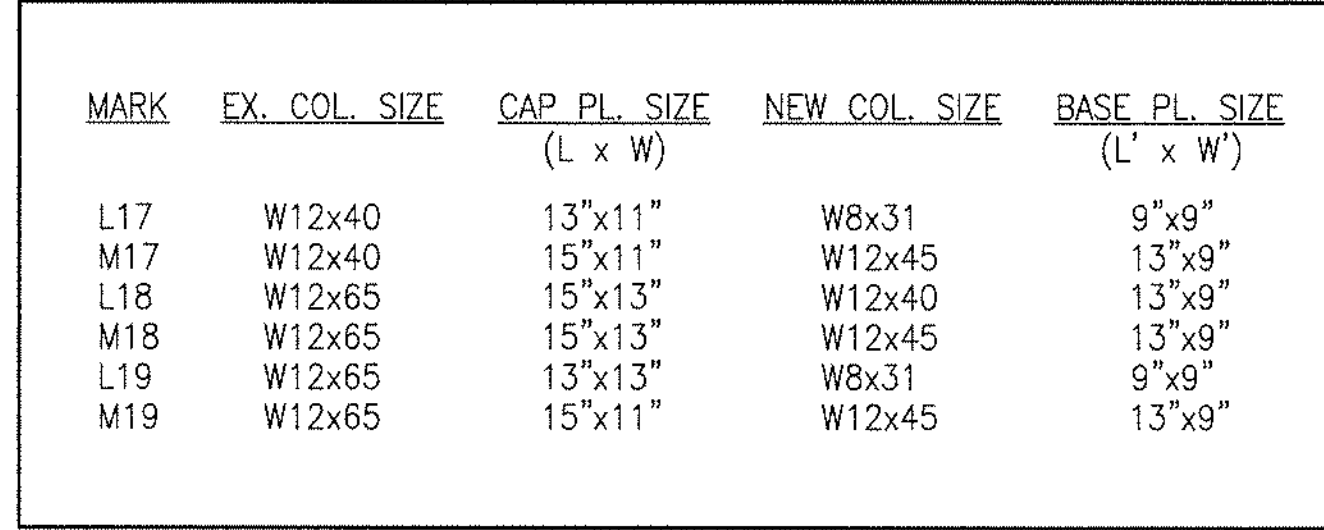
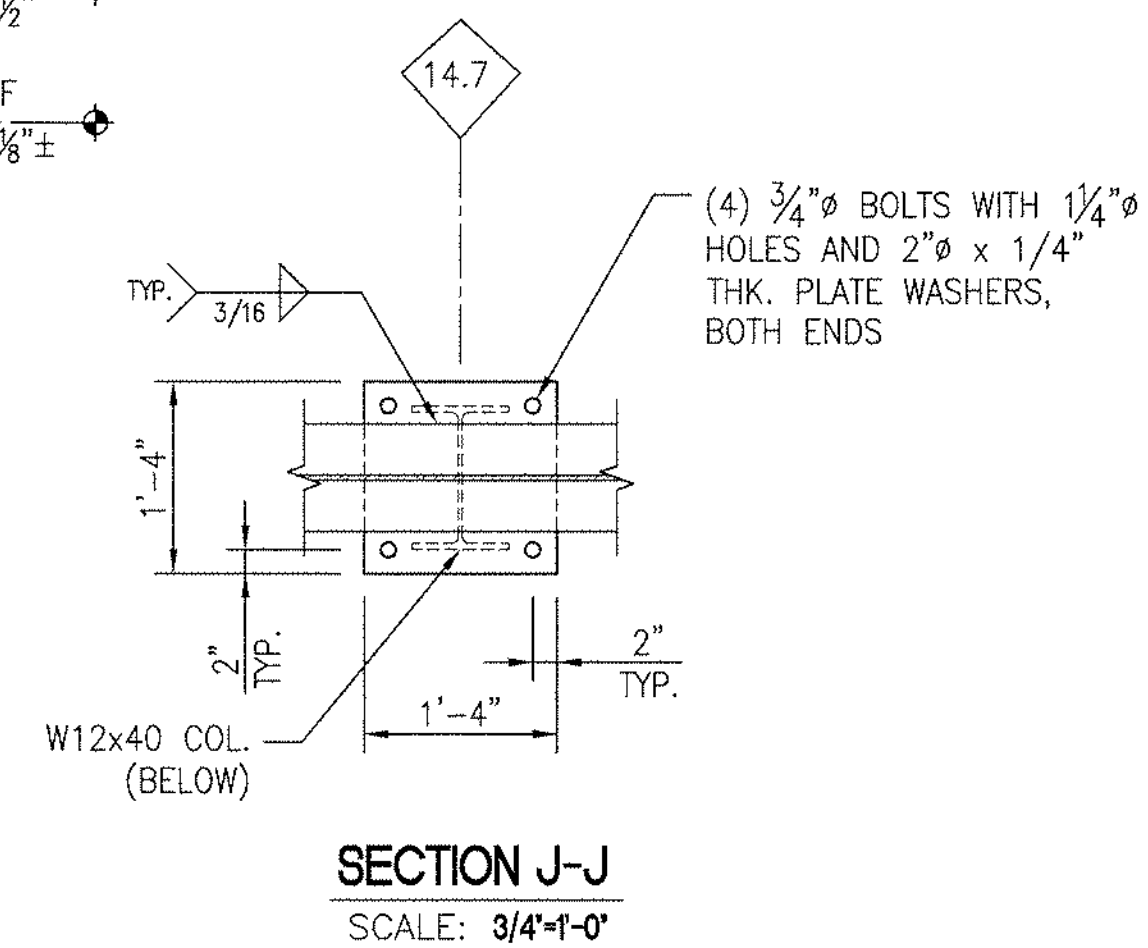


Diagram illustrating the dimensions and components of a new H-H section:

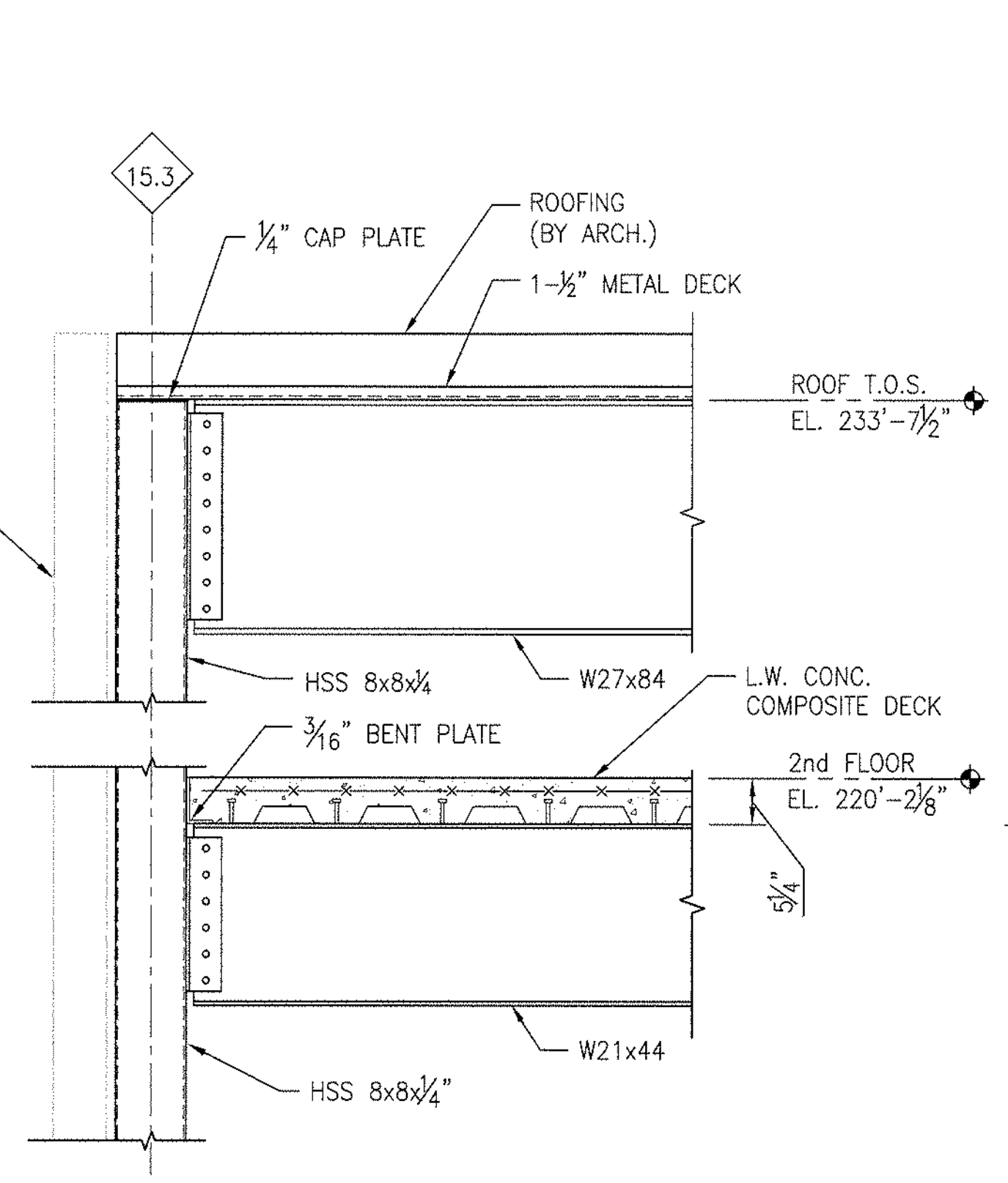
- NEW $\frac{1}{2}$ " THK. BASE PL.
SEE SCHEDULE FOR PLATE DIM.
- NEW $\frac{1}{2}$ " THK. CAP PL.
SEE SCHEDULE FOR PLATE DIM.
- NEW COL. (EX. COL. BELOW)
- Dimensions: L' , L , and $\frac{1}{4}$

SECTION H-H

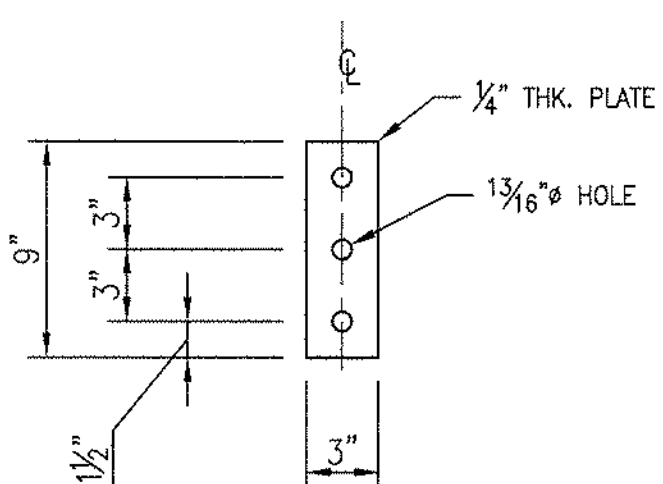
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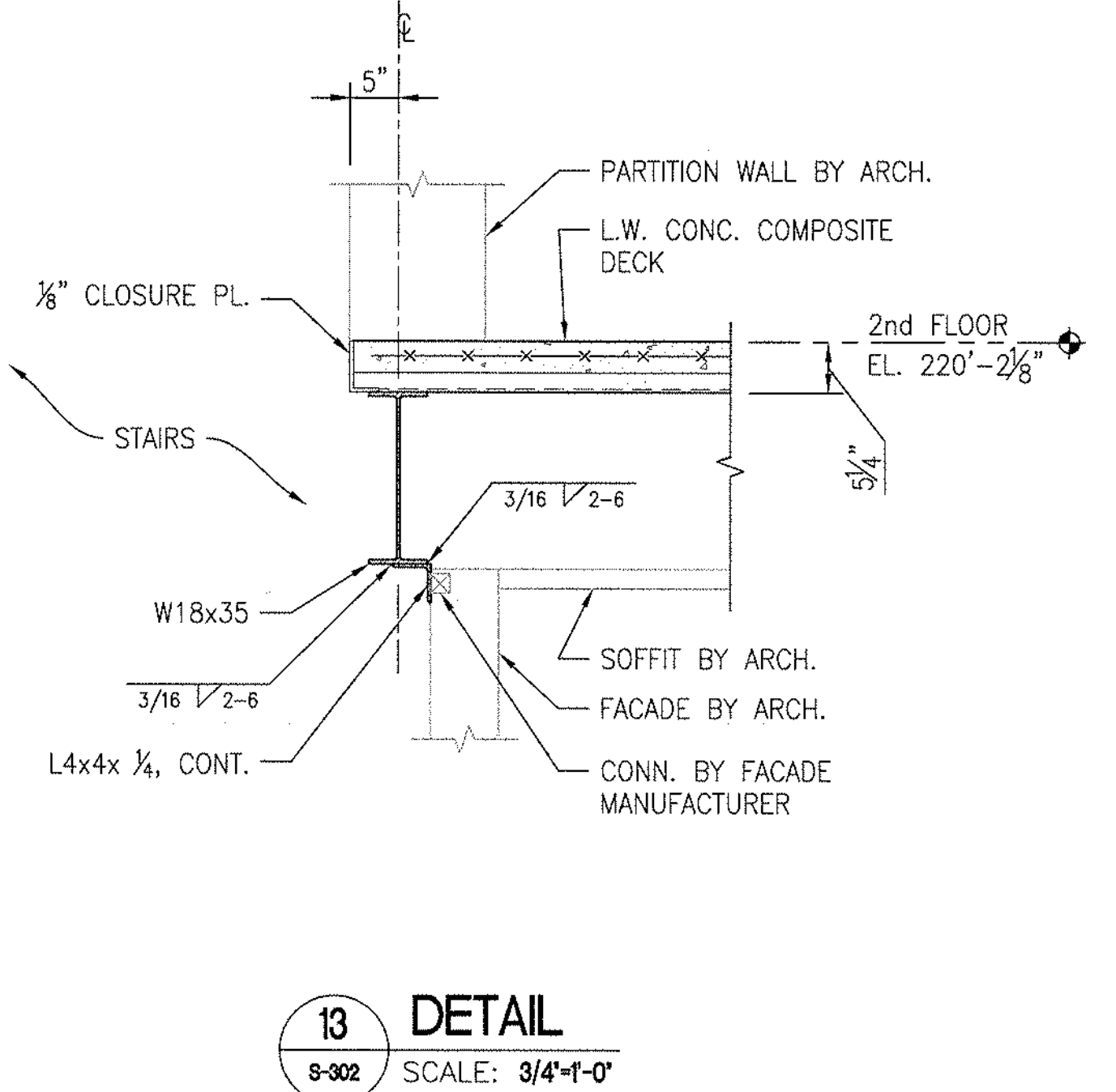
SECTION J-J
SCALE: 3/4"=1'-0"



9 DETAIL
S-302 SCALE: 3/4"=1'-0"



11a DETAIL
9-303 SCALE: 1-1/2"=1'-0"



12 DETAIL
S-302 SCALE: 3/4"=1'-0"

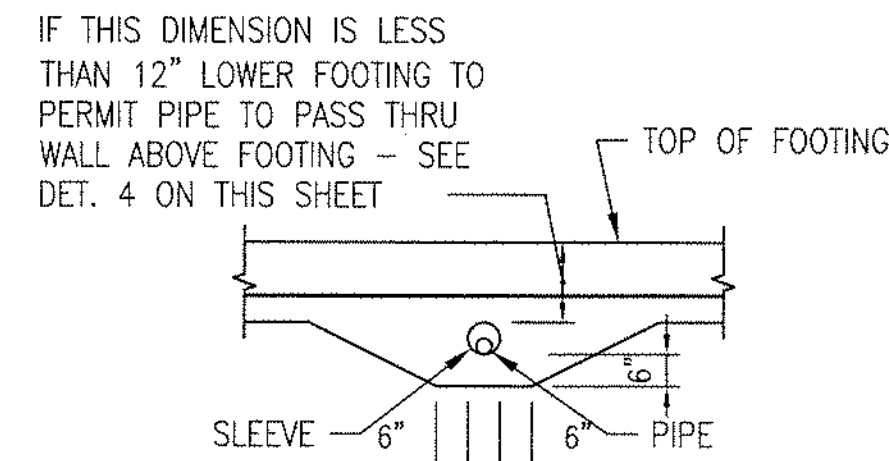
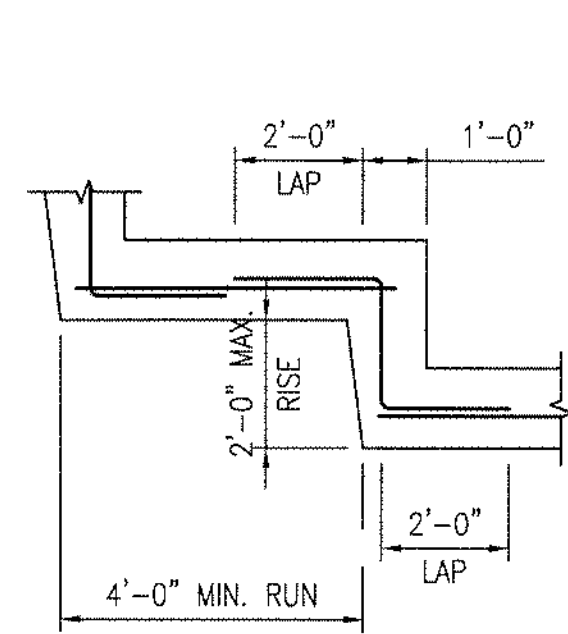
13
S-302

DETAIL
SCALE: 3/4"=1'-0"

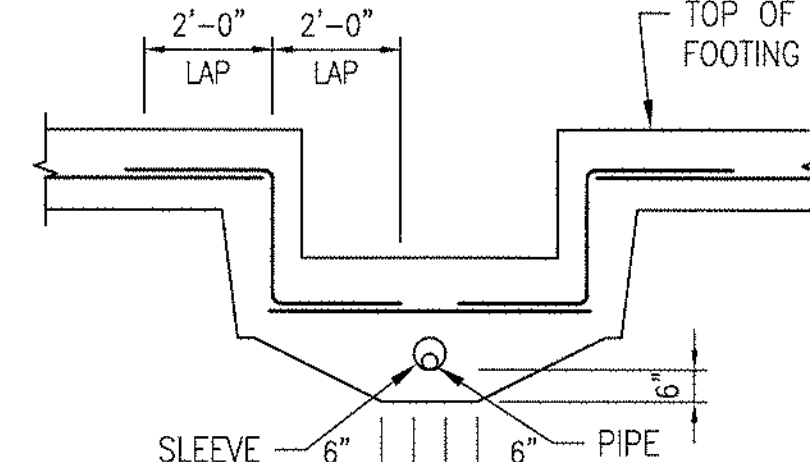
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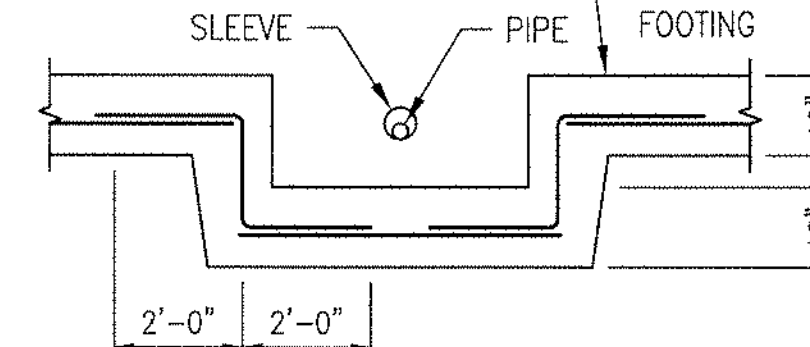
one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4 8
one half inch = one foot
0 4 8
three quarters inch = one foot
0 4 8
one inch = one foot
0 6
one and one half inches = one foot
0 6
two inches = one foot
0 6
three inches = one foot
0 6



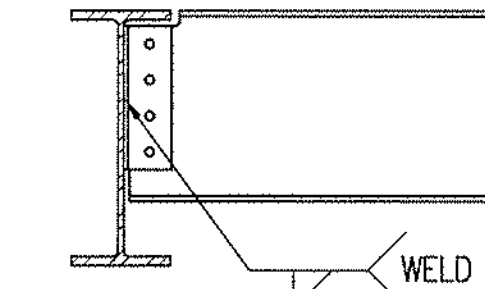
• WHEN PIPE IS MORE THAN 12" BELOW BOTTOM OF FOOTING SHOWN BY ELEVATIONS ON PLAN, STEP FOOTING DOWN TO PERMIT PIPE TO PASS DIRECTLY BELOW FOOTING - SEE DET. 3 ON THIS SHEET



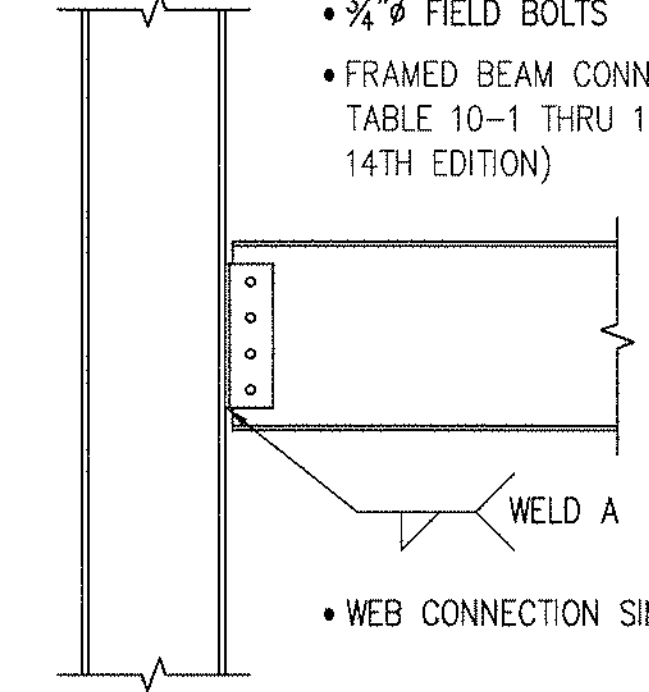
• STEP FOOTING DOWN AS REQUIRED IN ACCORDANCE WITH DET. 1 ON THIS SHEET



• STEP FOOTING DOWN AS REQUIRED IN ACCORDANCE WITH DET. 1 ON THIS SHEET



• FRAMED BEAMED CONNECTIONS, TABLE 10-1 THRU 10-11 (AISC 14TH EDITION)
• 3/4" FIELD BOLTS



• 3/4" FIELD BOLTS
• FRAMED BEAM CONNECTIONS, TABLE 10-1 THRU 10-11 (AISC 14TH EDITION)
• WEB CONNECTION SIMILAR

1 TYP. STEPPED FOOTING
SCALE: NTS

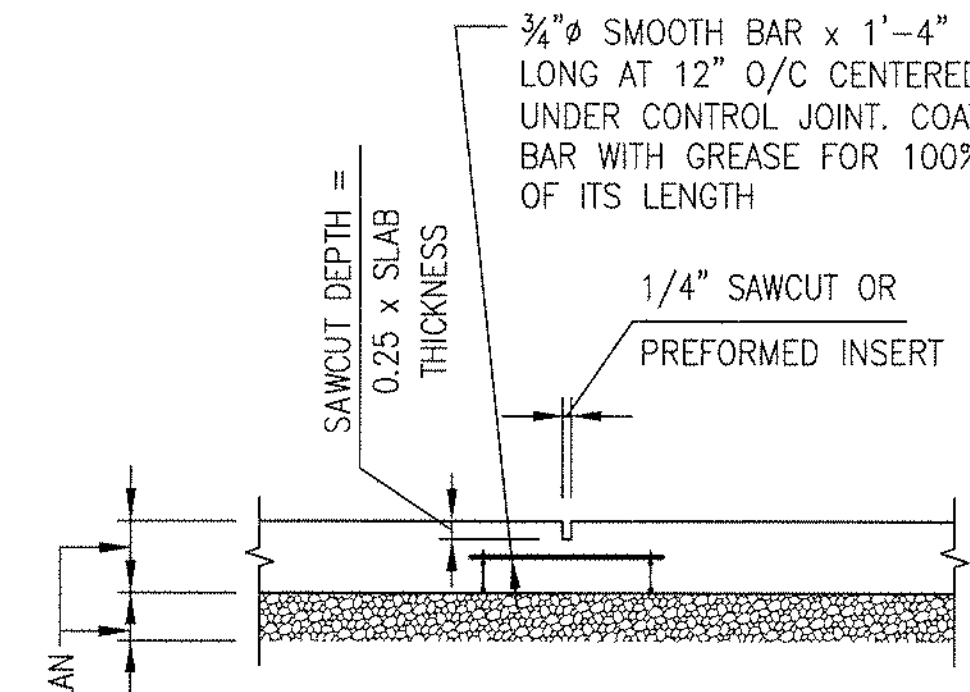
2 TYP. STEPPED FOOTING
SCALE: NTS

3 TYP. FOOTING STEPPED DOWN AT PIPE PENETRATION
SCALE: NTS

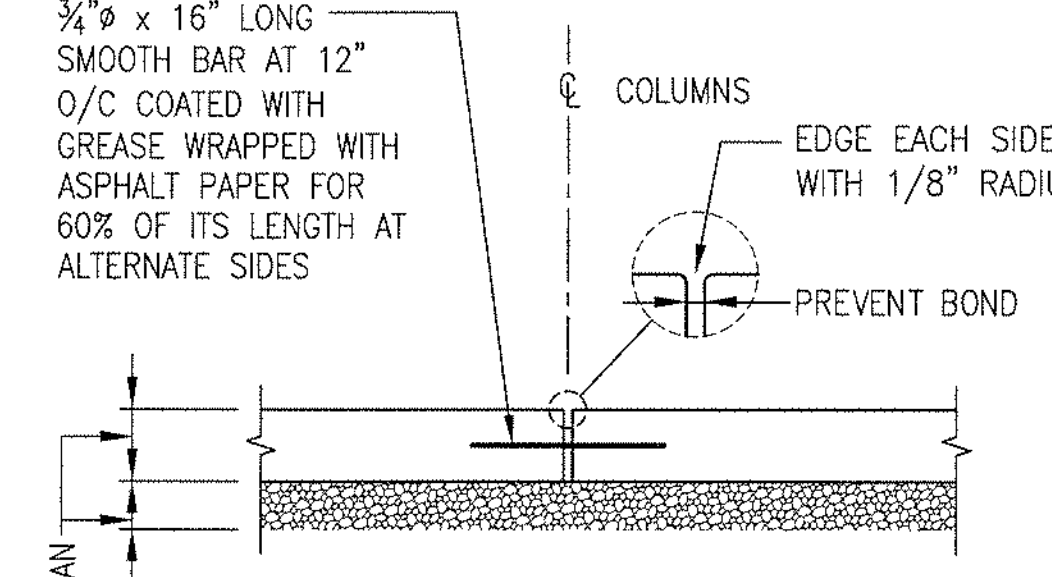
4 TYP. FOOTING STEPPED DOWN AT PIPE
SCALE: NTS

8 TYPICAL BEAM-TO-BEAM SIMPLE CONNECTION
SCALE: NTS

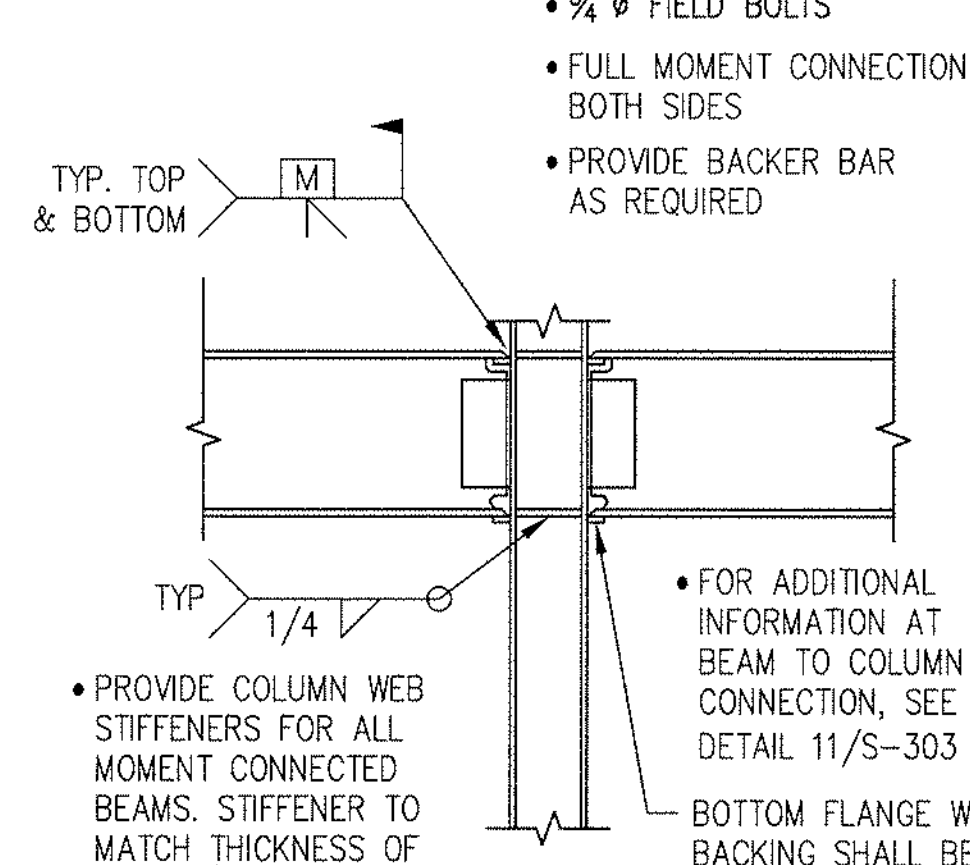
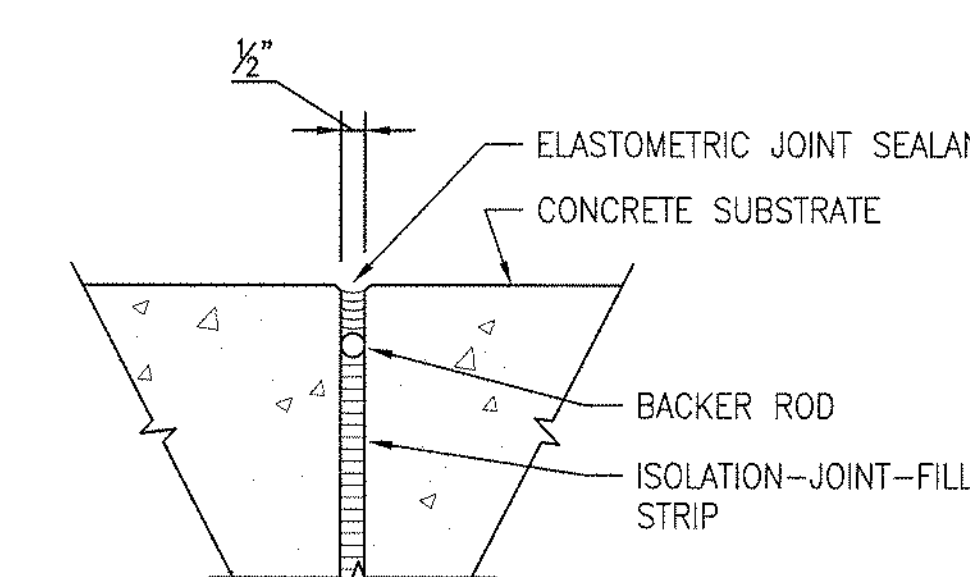
9 TYPICAL BEAM-TO-COLUMN SIMPLE CONNECTION
SCALE: NTS



• PROVIDE DOWEL BASKET TO ENSURE ALL DOWELS ARE INSTALLED LEVEL AND PARALLEL
• TERMINATE MESH AT CONTROL JOINTS
• ALL SAWCUTS SHALL BE MADE WITHIN 8 HOURS OF POURING SLAB
• FILL WITH JOINT SEALANT

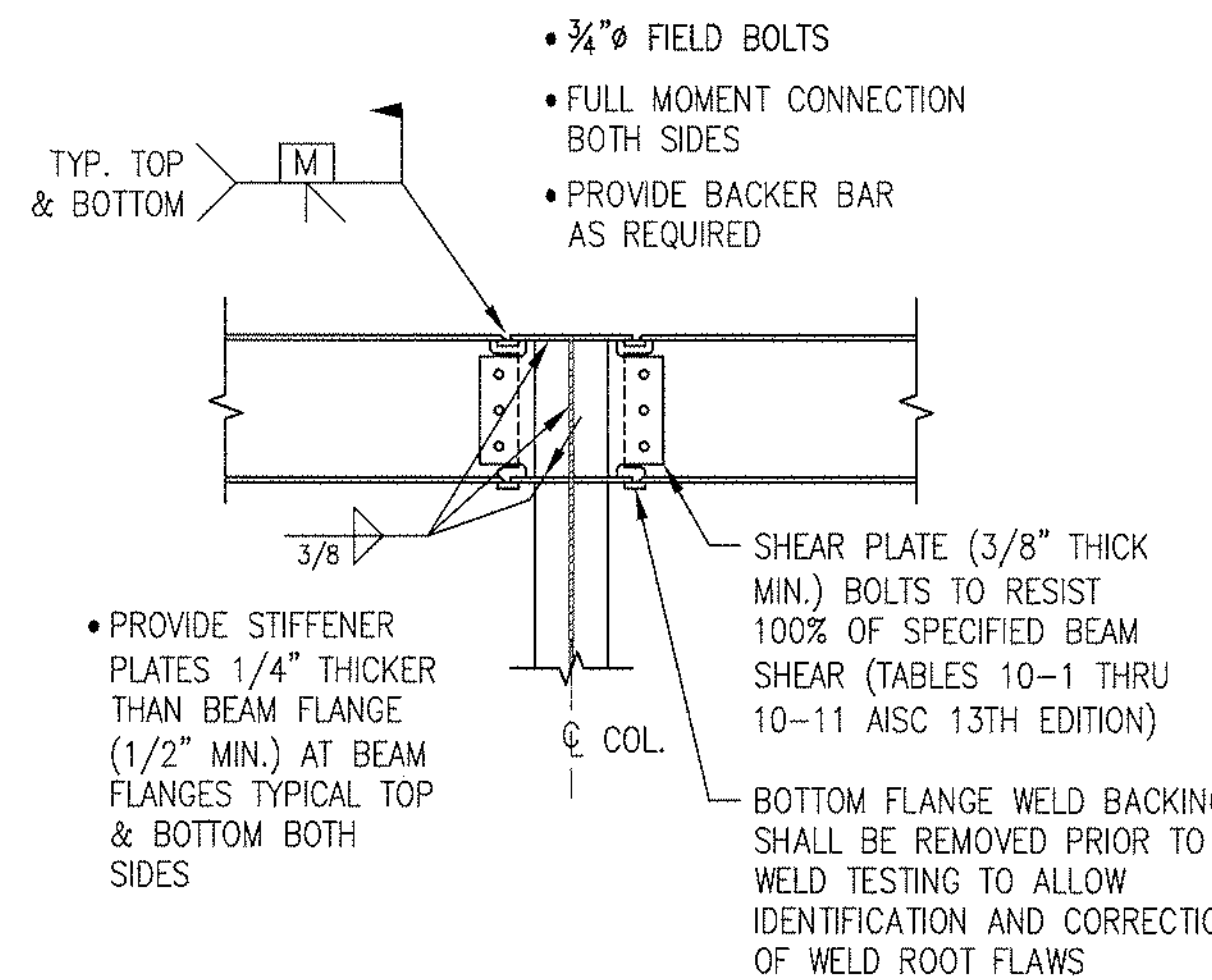


• DOWELS SHALL BE SAWCUT TO LENGTH, SHEAR CUTTING OF DOWELS SHALL NOT BE PERMITTED
• BUTT-TYPE CONSTRUCTION JOINT
• CONSTRUCTION JOINT TO OCCUR AT END AND SIDES OF POUR ONLY
• CONTROL JOINT MAY BE USED IN LIEU OF CONSTRUCTION JOINT AT COLUMN CENTERLINES INSIDE CONTINUOUS POURS
• FILL WITH JOINT SEALANT



• PROVIDE COLUMN WEB STIFFENERS FOR ALL MOMENT CONNECTED BEAMS. STIFFENER TO MATCH THICKNESS OF FLANGE OF HEAVIEST MOMENT CONNECTED BEAM SECTION
• BEAM TO COLUMN WEB CONNECTION NOT SHOWN FOR CLARITY. COPE BEAM AT STIFFENER

10 TYPICAL COLUMN-TO-BEAM MOMENT (RIGID) CONNECTION
SCALE: NTS



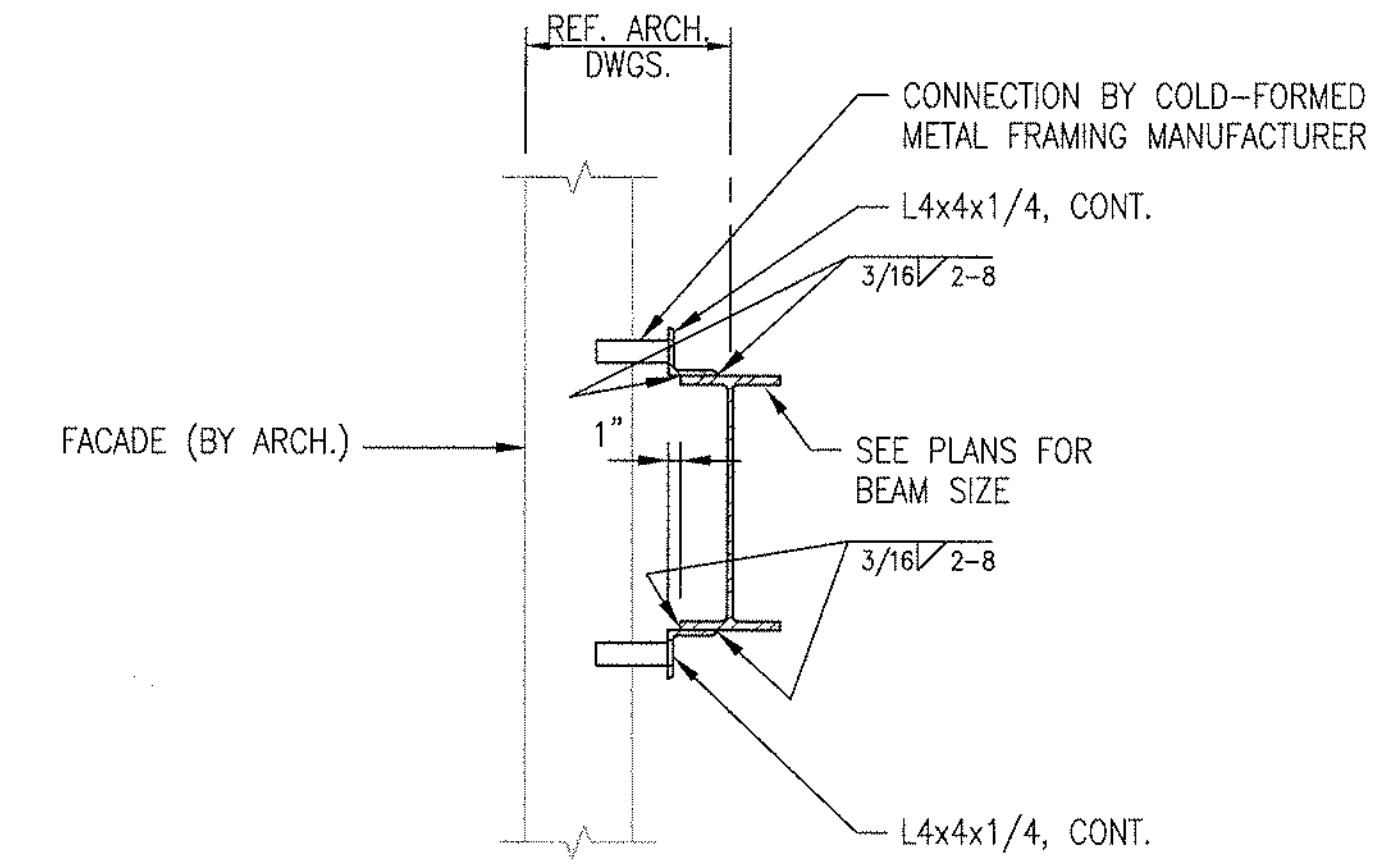
• PROVIDE STIFFENER PLATES 1/4" THICKER THAN BEAM FLANGE (1/2" MIN.) AT BEAM FLANGES TYPICAL TOP & BOTTOM BOTH SIDES

11 TYPICAL COLUMN-TO-BEAM MOMENT (RIGID) CONNECTION
SCALE: NTS

5 TYP. CONTROL JOINT
SCALE: NTS

6 TYP. CONSTRUCTION JOINT
SCALE: NTS

7 TYP. JOINT DETAIL
SCALE: 3" = 1'-0"

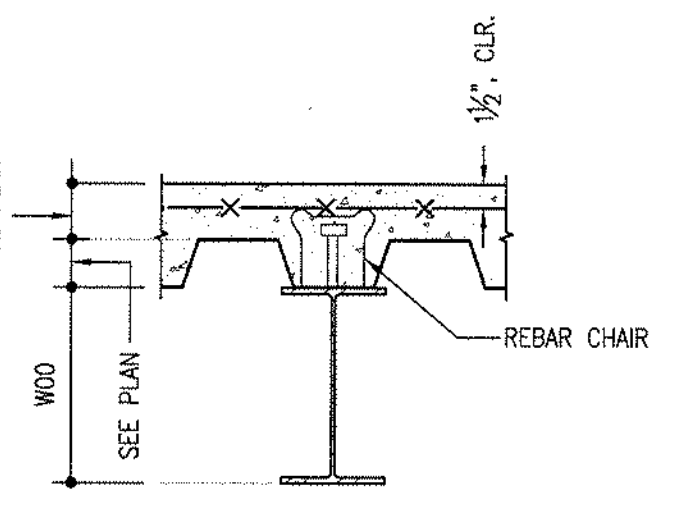


12 TYP. FACADE-TO-STRUCTURAL STEEL CONN. DETAIL
SCALE: NTS

ISSUED FOR BIDDING 10/06/2015 Date		CONSULTANTS LEO A DALY PLANNING ARCHITECTURE ENGINEERING INTERIORS 1201 Connecticut Ave NW Washington DC 20036 USA Tel 202-861-4600 Fax 202-672-6330		EEL ENGINEERS, LLC MECHANICAL • ELECTRICAL • FIRE PROTECTION The Professional Engineering Center 8005 Hartford Road, Baltimore, Maryland 21234-5701 (410) 658-0500 FAX (410) 658-3001 e-mail: ee@eelengineers.com Fire Protection • Life Safety • Code Compliance		JMT JOHNSON, MIRIMIRAN & THOMPSON Engineering A Brighter Future 72 Loveton Circle Sparks, Maryland 21152 phone / 410.328.3100 fax / 410.472.2200		AMT LLC PROFESSIONAL ENGINEERS & LAND SURVEYORS 10 G STREET, NE, SUITE 400 WASHINGTON, DC, 20002 PH: (202) 289-4545 FAX: (202) 389-3501		ARCHITECT MIMAR MIMAR ARCHITECTS, INC. Architecture, Engineering, Design/Build 7004 Security Blvd, Suite #210 Baltimore, MD 21244 Phone: 410-944-4900 Fax: 410-499-8044		Drawing Title TYPICAL DETAILS Approved Project Director APPROVED - BY - NAME APPROVED - BY - TITLE/RANK STATION - MANAGEMENT		Project Title ADDITION AND RENOVATION OF THE COMMUNITY LIVING CENTER Location YAMC WASHINGTON, DC Date APPROVED - DATE		Project Number 688-400 Building Number BUILDING #6 Drawing Number S-303 Dwg. of		Office of Construction and Facilities Management Department of Veterans Affairs	
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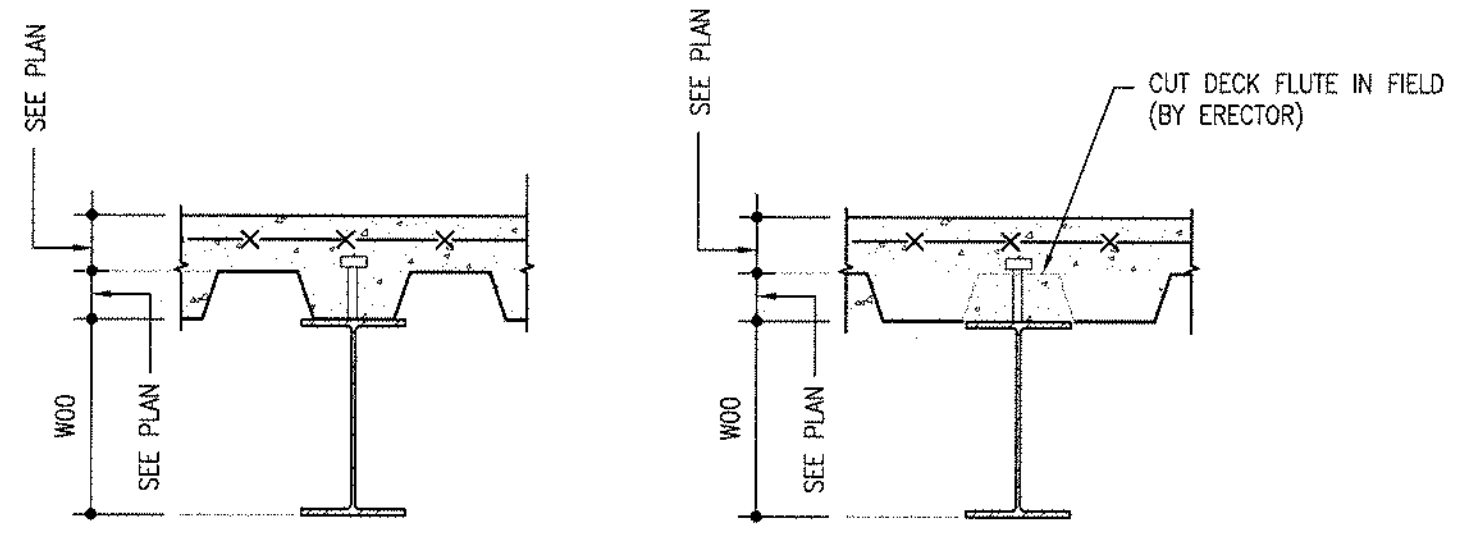
COLUMN & FOOTING SCHEDULE																													
MARK	LEVEL	J15	J14	J16	J17	J18	J19	J20	L17	L18	L19	L20	L5-14.7	M14.7	M17	M18	M19	M20	M.5-14.7	M.8-14.7	N17.8	N19	N20	P20	Po20	R20o	MARK	LEVEL	
FUTURE COLUMN LOAD (KIPS)		115	115	75	75	115	115	115	0	0	0	160	-	-	0	0	0	140	-	-	-	0	140	130	95	40	FUTURE COLUMN LOAD (KIPS)		
ELEVATION		245'-2 1/2"																									ELEVATION		
		245'-2 1/2"																										245'-2 1/2"	
ROOF		232'-8 1/2"																									ROOF		
		232'-8 1/2"																										232'-8 1/2"	
SECOND FLOOR		220'-2 1/2"																									SECOND FLOOR		
		220'-2 1/2"																										220'-2 1/2"	
209'-7 1/2"		380K	380K	155K	165K	240K	240K	245K	100K	100K	100K	350K			100K	150K	100K	100K	400K			105K	150K	215K	195K	70K		209'-7 1/2"	
208'-8 1/2"		475K	475K	155K	165K	240K	240K	245K	100K	100K	100K	350K			100K	150K	100K	100K	400K			105K	150K	215K	195K	70K		208'-8 1/2"	
ELEV. 199'-0 3/4"		475K	475K	155K	165K	240K	240K	245K	100K	100K	100K	350K			100K	150K	100K	100K	400K			105K	150K	215K	195K	70K		ELEV. 199'-0 3/4"	
ELEV. 192'-10 1/4"		475K	475K	155K	165K	240K	240K	245K	100K	100K	100K	350K			100K	150K	100K	100K	400K			105K	150K	215K	195K	70K		ELEV. 192'-10 1/4"	
BASEMENT		180'-5 3/4"																									BASEMENT		
		180'-5 3/4"																										180'-5 3/4"	
BASE PLATE		18" x 2 1/2" x 2'-4"	18" x 1 1/2" x 1'-4"	10" x 3/4" x 1'-2"	10" x 3/4" x 1'-2"	30" x 2 1/2" x 1'-3"	14" x 1 1/2" x 1'-2"	30" x 2 1/2" x 1'-3"	10" x 3/4" x 1'-2"	14" x 1 1/2" x 1'-2"	14" x 1 1/2" x 1'-2"	18" x 1 1/2" x 1'-6"			14" x 3/4" x 1'-2"	14" x 1 1/2" x 1'-2"	14" x 1 1/2" x 1'-2"	18" x 1 1/2" x 1'-6"				10" x 3/4" x 1'-2"	22" x 2" x 1'-6"	14" x 1 1/2" x 1'-2"	14" x 1 1/2" x 1'-2"	14" x 3/4" x 1'-2"	BASE PLATE		
ANCHOR BOLT'S		(4)-1 1/2" x 20"	(2)-1 1/2" x 16"	(2)-3/4" x 12"	(2)-3/4" x 12"	(4)-1 1/2" x 20"	(2)-3/4" x 12"	(4)-1 1/2" x 20"	(2)-3/4" x 12"	(2)-3/4" x 12"	(2)-3/4" x 12"	(4)-1 1/2" x 16"			(2)-3/4" x 12"	(2)-3/4" x 12"	(2)-3/4" x 12"	(2)-1 1/2" x 16"				(2)-3/4" x 12"	(4)-1 1/2" x 16"	(2)-3/4" x 12"	(2)-3/4" x 12"	(2)-3/4" x 12"	ANCHOR BOLT'S		
LOAD AT TOP OF FOOTING (KIPS)		485	485	275	215	325	325	325	300	275	275	525			300	275	275	550				300	555	425	535	165		LOAD AT TOP OF FOOTING (KIPS)	
FOOTING		8'-6" x 9'-6"	9'-6" x 9'-6"	COMBINED	COMBINED	COMBINED	COMBINED	COMBINED	17'-0" x 8'-0"	7'-0" x 7'-0"	7'-0" x 7'-0"	10'-0" x 10'-0"			17'-0" x 8'-0"	7'-0" x 7'-0"	7'-0" x 7'-0"	10'-6" x 10'-6"				7'-8" x 7'-8"	10'-6" x 10'-6"	8'-0" x 9'-0"	8'-0" x 8'-0"	5'-6" x 5'-6"		FOOTING	
THICKNESS		2'-6"	2'-6"	3'-0"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"			2'-6"	2'-6"	2'-6"	2'-10"				2'-2"	2'-10"	2'-6"	2'-2"	1'-6"		THICKNESS	
REINF.		9#9	9#8	12#9 L.W.	9#8 L.W.	9#8 L.W.	9#8 L.W.	11#8 L.W.	16#9 S.W.	9#8	9#8	9#9			16#9 S.W.	9#8	9#8	9#9				7#7	9#9	9#8	7#8	7#8		REINF.	

TEXT LEGEND:
 LIGHT TEXT INDICATES EXISTING CONDITIONS
 HEAVY TEXT INDICATES NEW WORK

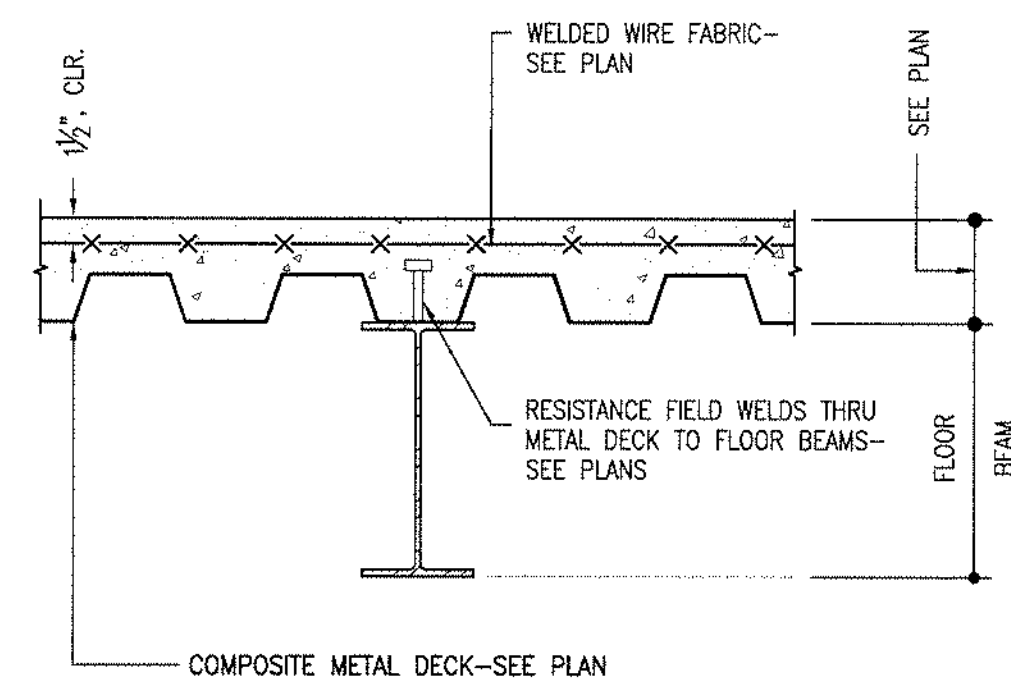


- NOTES:
1. WELDED WIRE FABRIC SHALL BE ACCURATELY PLACED AND SUPPORTED BEFORE THE CONCRETE IS PLACED, AND SHALL BE SECURED AGAINST DISPLACEMENT WITHIN PERMITTED TOLERANCES.
 2. PROVIDE CONTINUOUS SUPPORT FOR W.W.F. AT BEAMS AND GIRDERS USING THE METHOD SHOWN ABOVE.

1 TYPICAL WELDED WIRE FABRIC SUPPORT DETAIL
 SCALE: N.T.S.

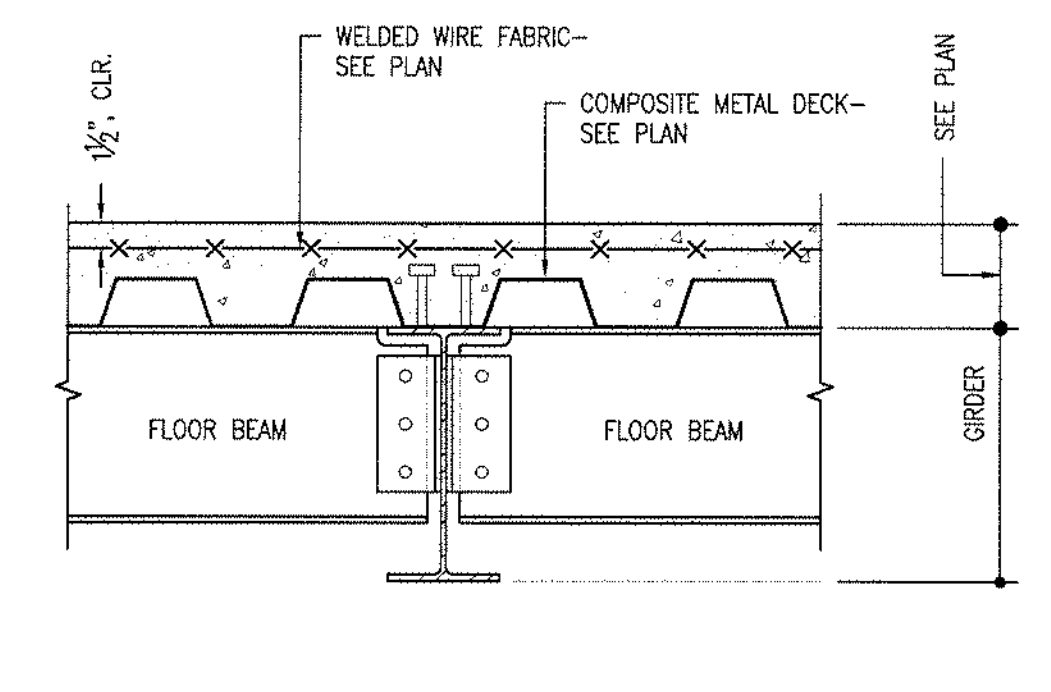


2 TYPICAL COMPOSITE BEAM DETAILS
 SCALE: N.T.S.



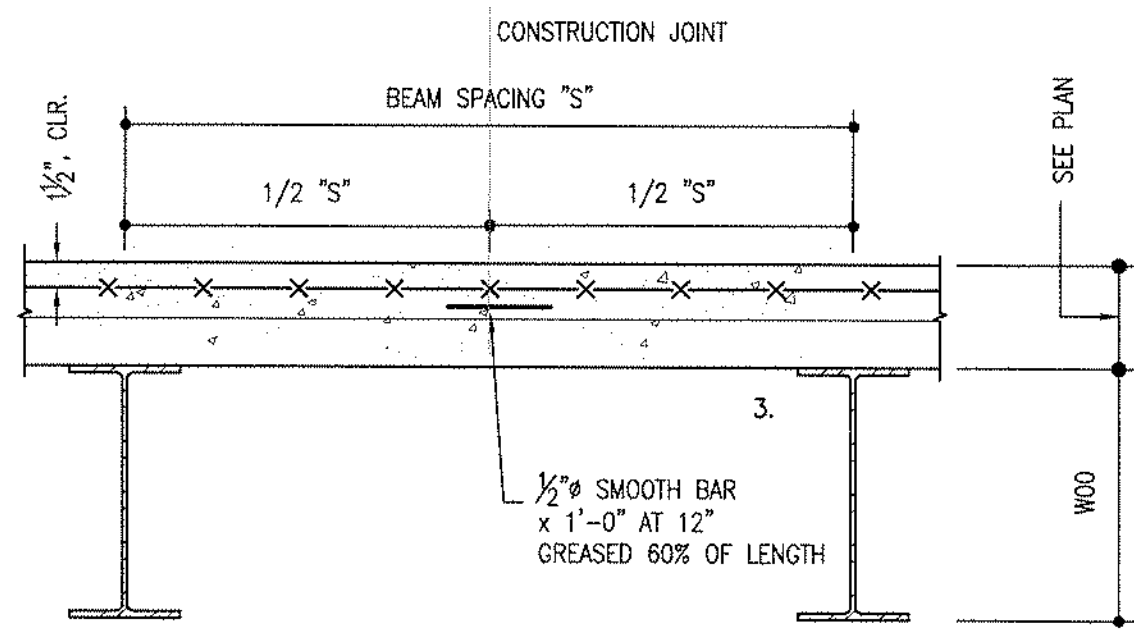
- FOR NUMBER OF STUDS-SEE PLAN
- DRAPE WELDED WIRE FABRIC TO PROVIDE 3/4\"/>

3 COMPOSITE BEAM
 SCALE: N.T.S.

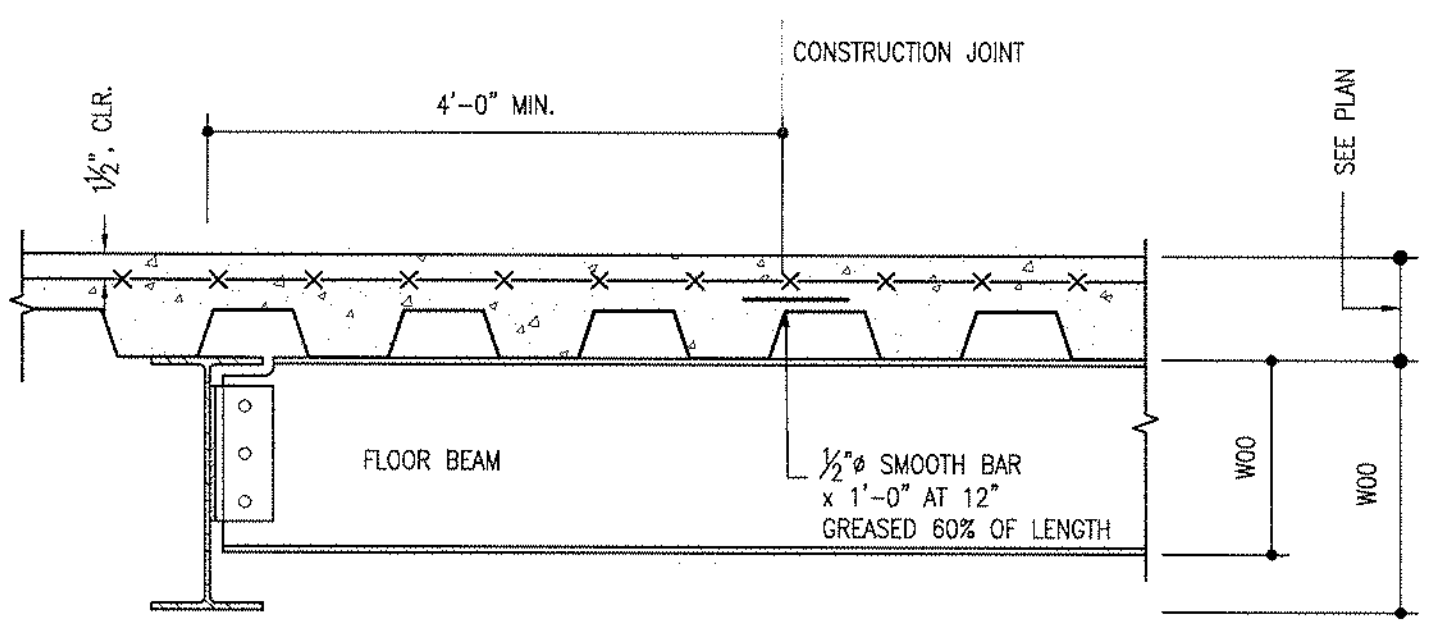


- FLOOR BEAM CONNECTION-SEE DETAIL 8/S-303
- SEE PLAN FOR NUMBER OF 3/4\"/>

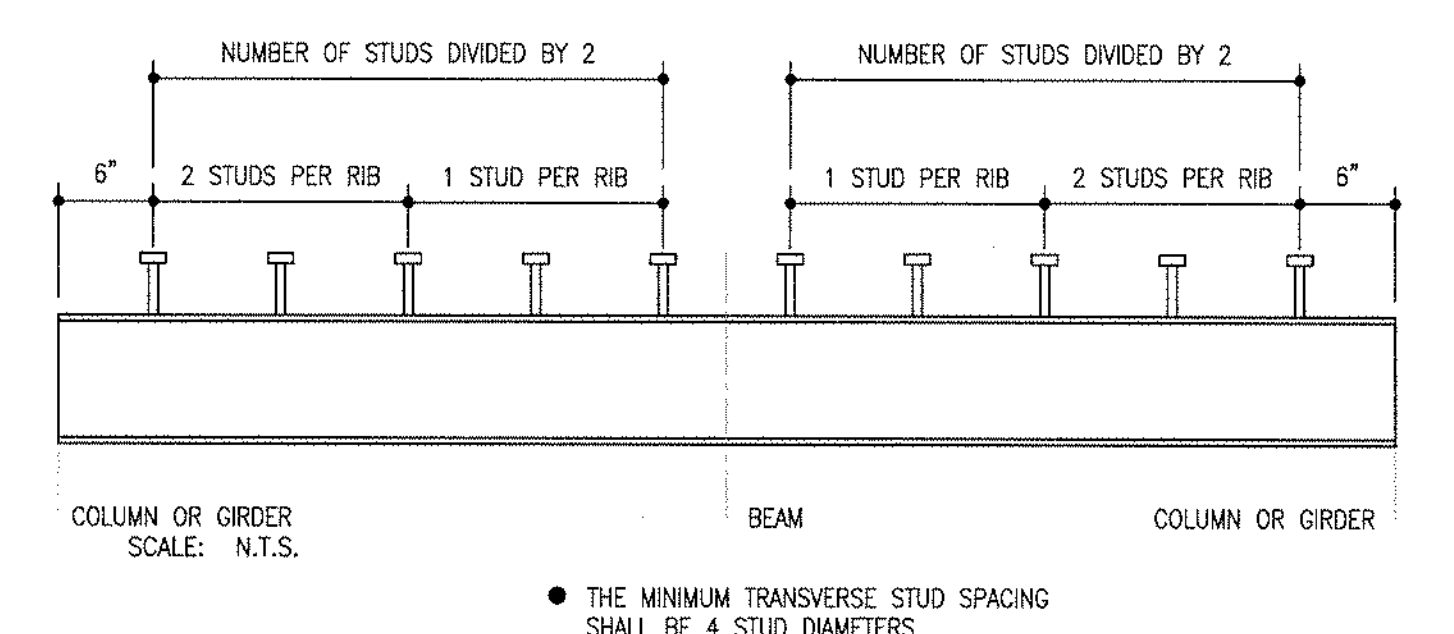
4 COMPOSITE GIRDER
 SCALE: N.T.S.



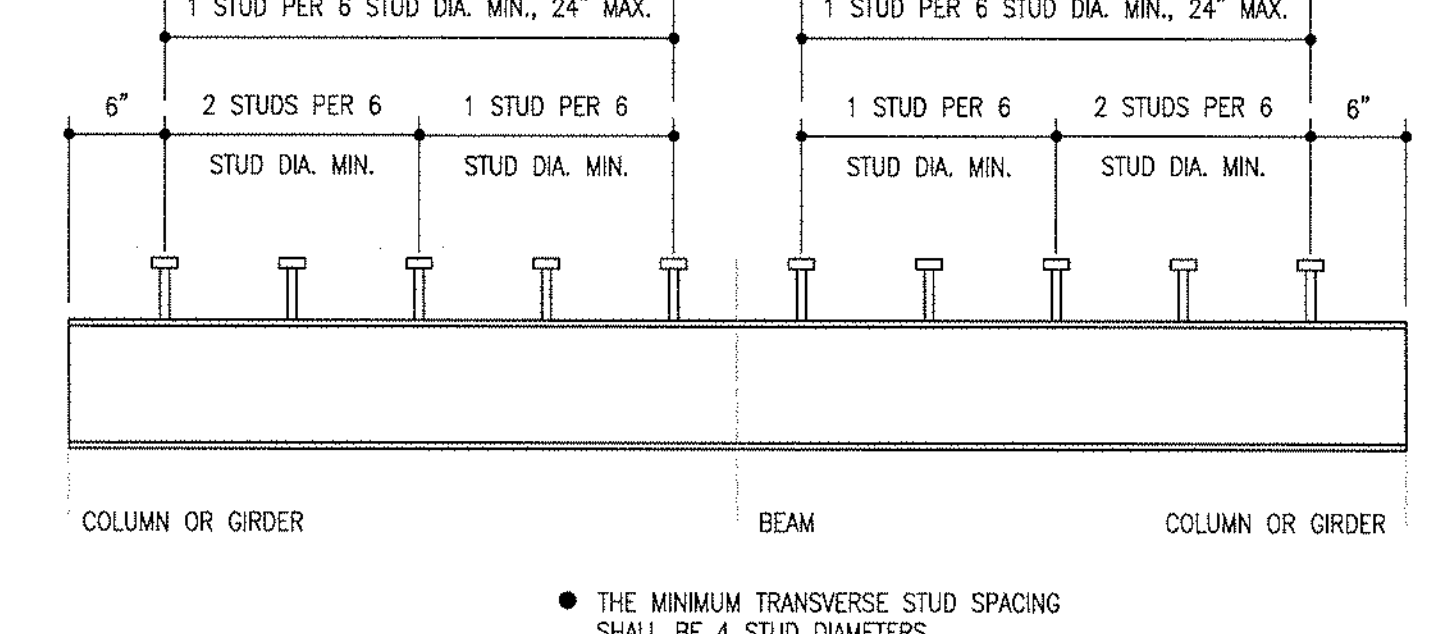
5 CONSTRUCTION JOINT IN FORMED CONCRETE SLAB
 SCALE: N.T.S.



6 CONSTRUCTION JOINT IN FORMED CONCRETE SLAB
 SCALE: N.T.S.



7A STUD PERPENDICULAR WITH DECK RIBS ORIENTED PERPENDICULAR TO STEEL BEAM OR GIRDER
 SCALE: N.T.S.



7B STUD PERPENDICULAR WITH DECK RIBS ORIENTED PARALLEL TO STEEL BEAM OR GIRDER
 SCALE: N.T.S.

CONSULTANTS LEO A DALY PLANNING ARCHITECTURE ENGINEERING INTERIORS 1201 Connecticut Ave NW Washington DC 20036 USA Tel 202-961-4600 Fax 202-972-6500		EBL ENGINEERS, LLC MECHANICAL • ELECTRICAL • FIRE PROTECTION The Professional Engineering Center 3005 Veterans Road, Baltimore, Maryland 21224-5770 (410) 688-5000 Fax (410) 688-5001 e-mail: ebl@eblengr.com Fire Protection • Life Safety • Code Compliance		JMT JOHNSON, MIRMAN & THOMPSON Engineering A Brighter Future 72 Loveton Circle Sparks, Maryland 21152 Phone / 410.329.3100 Fax / 410.472.2200		AMT LLC PROFESSIONAL ENGINEERS & LAND SURVEYORS 10 G STREET, NE, SUITE 430 WASHINGTON, DC 20002 PH: (202) 289-4545 FAX: (202) 289-5051		ARCHITECT MIMAR ARCHITECTS, INC. Architecture, Engineering, Design/Build 7044 Security Blvd, Suite #210 Baltimore, MD 21244 Phone: 410-944-4900 Fax: 410-499-8044		Drawing Title COLUMN SCHEDULE Approved Project Director APPROVED - BY - NAME APPROVED - BY - TITLE/RANK STATION - MANAGEMENT		Project Title ADDITION AND RENOVATION OF THE COMMUNITY LIVING CENTER Location VAMC WASHINGTON, DC Date APPROVED - DATE		Project Number 688-400 Building Number BUILDING #6 Drawing Number S-401 Dwg. of		Office of Construction and Facilities Management Department of Veterans Affairs	
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