

GENERAL NOTES:

CODES AND STANDARDS

- I. GENERAL:
- a. INTERNATIONAL BUILDING CODE, 2012
  - b. ASCE 7-10, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"
  - c. UFG 1-2000-01, "DESIGN: GENERAL BUILDINGS REQUIREMENTS"
  - d. A/E SUBMISSION REQUIREMENTS FOR VA MEDICAL CENTER MINOR AND NRM CONSTRUCTION PROGRAM, PROGRAM GUIDE PS-18-B VOLUME C, NOV 2008.
  - e. DEPARTMENT OF VETERANS AFFAIRS DESIGN INSTRUCTIONS TO ARCHITECTS AND ENGINEERS - STRUCTURAL, PS-18-10, OCT 2004
  - f. DEPARTMENT OF VETERAN AFFAIRS SEISMIC DESIGN REQUIREMENTS (H-18-B)
2. CONCRETE:
- a. ACI 301-11, "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE"
  - b. ACI 318-11, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
3. MASONRY:
- a. ACI 530/ASCE 5/TMS 402-11, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
  - b. ACI 530/ASCE 6/TMS 602-11, "SPECIFICATION FOR MASONRY STRUCTURES"
4. STRUCTURAL & MISCELLANEOUS STEEL:
- a. AISC 360-10, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
  - b. AISC 341-10, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
  - c. AISC, "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS," MAY 01, 2005 AND SUPPLEMENT NO. 1, NOVEMBER 16, 2005
  - d. AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION
5. STRUCTURAL WOOD:
- a. NCS/NDS, "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION", 2005 EDITION IV/ SUPPLEMENT
6. FLYWOOD:
- a. PS-2-10, "PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS," NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY,

MATERIALS

ITEM	NOTES	MIN STRENGTH
1. CAST-IN-PLACE CONCRETE	NLMT	F'c=4,000 PSI
2. CONCRETE & MASONRY REINFORCEMENT:		
a. BARS	ASTM A615, GRADE 60	Fy=60,000 PSI
b. BARS TO WELD	ASTM A706, GRADE 60	Fy=60,000 PSI
c. WVF	ASTM A185	Fy=65,000 PSI
2. MASONRY:		
a. CMU ASSEMBLY		Fm=1,900 PSI
b. CMU	ASTM C90, MEDIUM WEIGHT	F'c=1,700 PSI
c. MORTAR	ASTM C270, TYPE S	F'c=1,800 PSI
d. GROUT	ASTM C476	F'c=2,000 PSI
3. STRUCTURAL STEEL:		
a. "W" SHAPES	ASTM A992, GRADE 50	Fy=50,000 PSI
b. HSS, SQ OR RECT	ASTM A500, GRADE B	Fy=46,000 PSI
c. HSS, ROUND	ASTM A500, GRADE B	Fy=42,000 PSI
d. OTHER SHAPES & PLATES	ASTM A36	Fy=36,000 PSI
e. HIGH STRENGTH BOLTS	ASTM A325 OR A440	
f. ANCHOR RODS	ASTM F1554 GRADE 36	Fy=36,000 PSI
g. WELDING ELECTRODES	ET0XX	

DESIGN LOADS

1. DEAD LOAD	SELF WEIGHT + SUPERIMPOSED	ACTUAL
2. ROOF LIVE LOAD		20 PSF **
3. SNOW LOAD	GROUND SNOW LOAD, Pg IMPORTANCE FACTOR, I EXPOSURE FACTOR, Ce TEMPERATURE FACTOR, Ct FLAT ROOF SNOW LOAD, Pf SLOPED ROOF SNOW LOAD, Ps	30 PSF ** 1.0 1.0 21 PSF 21 PSF
4. WIND LOADS:	BASIC WIND SPEED BUILDING CLASSIFICATION EXPOSURE INTERNAL PRESSURE COEFF. COMPONENTS AND CLADDING	120 MPH ** B 0 30.1 PSF
5. SEISMIC DESIGN	SEISMIC USE GROUP SPECTRAL RESPONSE COEFF.  SEISMIC IMPORTANCE FACTOR PERIOD ACCELERATION  SITE CLASS RESISTING SYSTEM  ANALYSIS PROCEDURE RESPONSE MODIFICATION FACTOR SEISMIC DESIGN CATEGORY SEISMIC RESPONSE COEFFICIENT BASE SHEAR	III ** Sds = 0.188 g Sd1 = 0.084 g 1.25 Ss = 0.130 g S1 = 0.053 g D B-18 [ORDINARY REINF. MASONRY SHEAR WALLS] R=2 B Cs=0.086 V=2.9 K

\*\* ONLY NEW CONSTRUCTION IS BEING DESIGNED TO MEET NEW CODE. THE EXISTING BUILDING IS NOT BEING UPGRADED TO MEET THE EXISTING CODE.

GENERAL NOTES

- I. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS, UNO.
2. DO NOT SCALE DRAWINGS.
3. NO CHANGE IN SIZE, DIMENSION OR POSITION OF STRUCTURAL ELEMENTS SHALL BE MADE WITHOUT THE APPROVAL OF THE COTR.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND/OR SUBMITTING SHOP DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE COTR.
5. REFER TO ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS, INSERTS, DEPRESSIONS, EQUIPMENT PADS, DRIPS, REVEALS, FINISHES, AND OTHER SUCH PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. SUBMIT DIMENSIONED COORDINATED SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES THROUGH STRUCTURAL ELEMENTS. ANY ADDITIONAL OPENINGS NOT SHOWN ON SHOP DRAWINGS WILL REQUIRE WRITTEN APPROVAL OF THE COTR.
7. TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING AND NEW UTILITIES AND BUILDINGS AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE DURING CONSTRUCTION. RESTORATION OF DAMAGED AREAS SHALL BE TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
8. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING, WATERPROOFING, LOCATIONS OF MASONRY AND DRYWALL, NON-LOAD BEARING PARTITIONS, EXTERIOR FACE OF BUILDING, ETC.
9. DO NOT REPRODUCE ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.

DRILLED-IN ANCHORS

- I. EPOXY-ANCHORED REINFORCING BAR SYSTEMS:
- HVU ADHESIVE SYSTEM HILTI, TULSA, OK
- ALTERNATE SYSTEM EQUIVALENT TO OR EXCEEDING THE PROPERTIES OF THE SYSTEM ABOVE WILL BE CONSIDERED.
2. FIELD DRILLED EXPANSION ANCHOR SYSTEMS:
- KNAF BOLT II HILTI, TULSA, OK
3. ALTERNATE SYSTEM EQUIVALENT TO OR EXCEEDING THE PROPERTIES OF THE SYSTEM ABOVE WILL BE CONSIDERED.
4. ANCHORS ARE TO BE 3/4" WITH A MINIMUM EMBEDMENT OF 8", UNO.
5. INSTALL ANCHORS TO MEET THE REQUIREMENTS INDICATED IN THE DRAWINGS, THE CURRENT I.C.B.O. REPORT, AND THE MANUFACTURER'S RECOMMENDATIONS.
6. LOCATE EXISTING REINFORCEMENT PRIOR TO INSTALLATION OF ANCHORS.
7. MASONRY ANCHORS ARE TO BE INSTALLED IN SOLID MASONRY OR IN HOLLOW MASONRY THAT HAS BEEN GROUTED SOLID AT LEAST ONE COURSE ABOVE AND ONE COURSE BELOW THE ANCHOR, UNO

POST-INSTALLED ADHESIVE ANCHORS IN MASONRY

- I. ALL ADHESIVE ANCHORS FOR MASONRY SHALL BE THE TYPE AND SIZE SHOWN ON THE DRAWINGS.
2. LOCATE REINFORCING STEEL IN EXISTING MASONRY PRIOR TO DRILLING HOLES FOR ANCHORS.
3. DO NOT CUT EXISTING REINFORCING WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
4. SEE SPECIFICATIONS FOR ANCHOR MATERIALS.
5. ADHESIVE ANCHORS SHALL BE FURNISHED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND TO MEET THE FOLLOWING MINIMUM REQUIREMENTS IN NORMAL WEIGHT CMU.
- a. IN MULTI-MYTHE BRICK WALLS THE ALLOWABLE LOADS SHALL BE AT LEAST THE MINIMUM VALUES LISTED BELOW.

DIAMETER (INCHES)	MINIMUM EMBEDMENT (INCHES)	MAXIMUM TORQUE (FT-LBS)	ALLOWABLE FORCE	
			TENSION (LBS)	SHEAR (LBS)
3/8	6	10	685	540
3/8	10	10	815	540
1/2	6	30	745	430
1/2	10	30	1270	430
5/8	6	45	815	1355
5/8	10	45	1285	1355
3/4	8	60	1400	1800
3/4	13	60	2100	1800

6. PROVIDE MANUFACTURER'S SCREEN TUBE INSERTS FOR ADHESIVE ANCHORS INSTALLED IN MASONRY CELLS.
7. MINIMUM SPACING OF ANCHORS SHALL BE 8" O.C. (1 ANCHOR PER CMU CELL), UNO.
8. MINIMUM DISTANCE FROM FREE EDGE OF MASONRY WALL TO ANCHOR SHALL BE 1'-0" UNO.
9. ONCE ADHESIVE HAS BEEN PLACED CONNECTING MEMBERS SHALL NOT BE INSTALLED NOR BOLTS DISTURBED UNTIL SUFFICIENT CURING TIME AS SPECIFIED BY ADHESIVE ANCHOR MANUFACTURER HAS ELAPSED.

MASONRY

- I. MASONRY WALLS SHOWN ON THE STRUCTURAL DRAWINGS ARE EITHER LOAD-BEARING OR REQUIRED FOR LATERAL BRACING. REFER TO THE ARCHITECTURAL DRAWINGS FOR NON-BEARING WALLS AND PARTITIONS AND ADDITIONAL MASONRY DETAILS.
2. SEE ARCH, MEP, AND FP DRAWINGS FOR OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
3. ALL CONCRETE MASONRY UNITS SHALL BE HOLLOW MEDIUM WEIGHT UNITS COMPLYING WITH THE REQUIREMENTS OF ASTM C90.
4. REINFORCE MASONRY WALLS SHOWN ON THE STRUCTURAL DRAWINGS WITH #5@ 32" OC VERTICAL, UNO.
5. AT OPENINGS IN EXTERIOR MASONRY WALLS PROVIDE ADDITIONAL FULL HEIGHT VERTICAL REINFORCEMENT WITH AN AREA EQUAL TO 1/2 OF THE INTERRUPTED BARS, 2#5 MINIMUM, ADJACENT TO THE OPENINGS.
7. LAP SPLICES IN REINF BARS SHALL BE 40 TIMES THE DIAMETER OF THE BAR.
8. FILL ALL CELLS AND CAVITIES BELOW GRADE WITH GROUT. FILL ALL CELLS CONTAINING REINFORCING WITH GROUT.

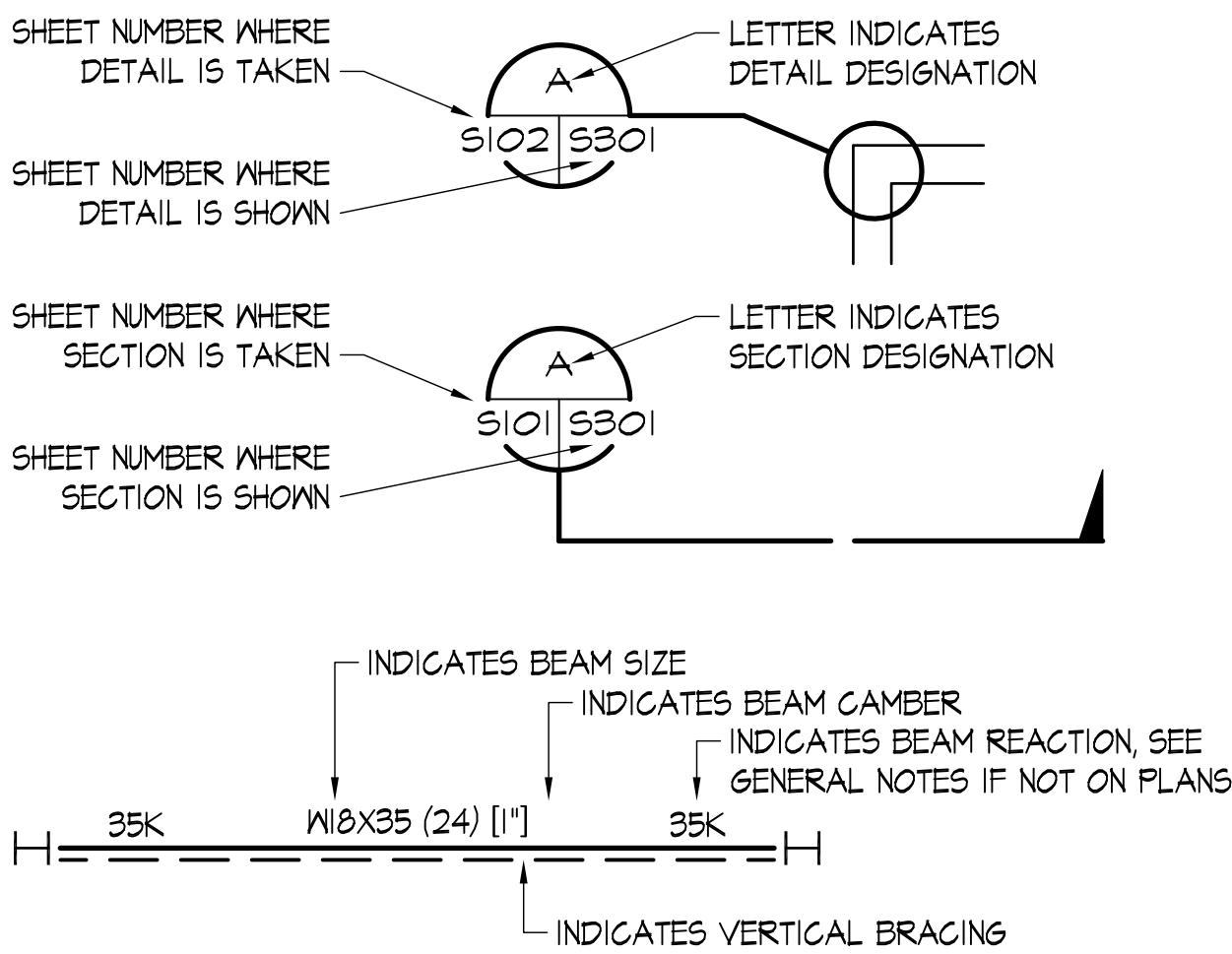
STRUCTURAL STEEL

- I. ALL CONNECTIONS NOT FULLY DETAILED ON THE DRAWINGS SHALL BE SELECTED AND DETAILED BY THE CONTRACTOR IN ACCORDANCE WITH AISC SPECIFICATIONS USING STANDARD CONNECTIONS FOR THE FACTORED REACTIONS INDICATED ON THE DRAWINGS. WHERE THE REACTION IS NOT SHOWN ON THE DRAWINGS THE CONNECTION SHALL BE DESIGNED FOR A MINIMUM OF 10,000 POUNDS.
2. BOLTED CONNECTIONS SHALL USE A MINIMUM OF TWO 3/4" DIAMETER A325 BOLTS.
3. TIGHTEN ALL BOLTS TO THE "SNUG TIGHT" CONDITION, EXCEPT WHERE NOTED ON THE DRAWINGS TO BE SLIP CRITICAL (SC).
4. THE MINIMUM FILLET WELD SHALL BE PER AISC SPECIFICATIONS, BUT NOT LESS THAN 1/4", UNO.
5. ALL BEAMS AND GIRDERS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP. PROVIDE CAMBERS AS INDICATED ON THE DRAWINGS.
6. AFTER FABRICATION, STEEL SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS.
7. HOT DIP GALVANIZE ALL STRUCTURAL STEEL THAT WILL NOT BE IN CONDITIONED SPACES. PROVIDE BLACK PAINT OVER GALVANIZING UNLESS NOTED OTHERWISE BY ARCHITECT.
8. DO NOT FIELD CUT STRUCTURAL STEEL MEMBERS WITHOUT THE WRITTEN APPROVAL OF THE COTR.
9. DO NOT USE THERMAL CUTTING DURING ERECTION UNLESS APPROVED BY ENGINEER. IF APPROVED, FINISH THERMALLY CUT SECTIONS WITHIN SMOOTHNESS LIMITS IN AMS D11.
10. DO NOT SPLICE STEEL MEMBERS EXCEPT WHERE SPECIFICALLY DETAILED ON THE DRAWINGS WITHOUT THE WRITTEN APPROVAL OF THE COTR.
11. PROVIDE AND BE RESPONSIBLE FOR ALL TEMPORARY BRACING AND ERECTION PROCEDURES. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL ALL STRUCTURAL MEMBERS ARE PROPERLY ALIGNED AND CONNECTED.
12. SHOP AND FIELD TESTING OF WELDS AND BOLTS SHALL BE AS CONDUCTED BY THE CONTRACTOR'S TESTING AGENCY AS FOLLOWS:
- a. ALL WELDS SHALL BE VISUALLY INSPECTED; MEASURE 25% AT RANDOM.
  - b. USING MAGNETIC PARTICLE CHECK THE FINAL PASS OF FILLET WELDS:
    - 25% AT RANDOM OF BEAM & GIRDER SHEAR CONNECTIONS  - c. CHECK ALL BOLTED CONNECTIONS AS OUTLINED IN AISC SPECIFICATIONS.
16. ANY ON SITE DAMAGE TO PAINT OR PRIMER SHALL BE CLEANED AND TOUCHED UP IMMEDIATELY AFTER ERECTION WITH THE SAME MATERIAL AS USED FOR SHOP PAINTING.

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	ICRI	INTERNATIONAL CONC REPAIR INSTITUTE
ADD'L	ADDITIONAL	JT	JOINT
AE	AIR-ENTRAINED	K	KIP
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LBS	POUND
ARCH	ARCHITECTURAL	LLH	LONG LEG HORIZ
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	LLV	LONG LEG VERT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
AVS	AMERICAN WELDING SOCIETY	LTAT	LIGHT WEIGHT
B/	BOTTOM OF	MAX	MAXIMUM
BLDG	BUILDING	MANUF	MANUFACTURER
BM	BEAM	MECH	MECHANICAL
BOT	BOTTOM	MEP	MECH/ELECT/PLUMBING
BP	BASE PLATE	MIN	MINIMUM
CLR	CLEAR	MPH	MILES PER HOUR
CLSM	CONTROLLED LOW STRENGTH MATERIAL	MTL	METAL
CMU	CONCRETE MASONRY UNIT	NLMT	NORMAL WEIGHT
COEFF	COEFFICIENT	(N)	NEW
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	OPNS	OPENING
CNT	CONTINUOUS	OPP	OPPOSITE
DIA	DIAMETER	PL	PLATE
DN	DOWN	PSF	POUNDS PER SQUARE FOOT
DWS	DRAWING	PSI	POUNDS PER SQUARE INCH
EA	EACH	REINF	REINFORCING OR REINFORCEMENT
EF	EACH FACE	REQ'D	REQUIRED
ELECT	ELECTRICAL	RO	ROUGH OPENING
ELEV	ELEVATION	SCHED	SCHEDULE
EMBED	EMBEDMENT	SIM	SIMILAR
EQ	EQUAL	SOG	SLAB-ON-GRADE
EQUIP	EQUIPMENT	STD	STANDARD
EW	EACH WAY	STJ	STEEL JOIST INSTITUTE
(E)	EXISTING	STL	STEEL
EX	EXISTING	STRUCT	STRUCTURAL
EXP	EXPANSION	T/	TOP
FNDN	FOUNDATION	TOF	TOP OF FOOTING
FT	FEET	THK	THICK
FTG	FOOTING	TMS	THE MASONRY SOCIETY
FP	FIRE PROTECTION	TYP	TYPICAL
GALV	GALVANIZE	UNO	UNLESS NOTED OTHERWISE
H	HIGH	VERT	VERTICAL
HK	HOOK	VIF	VERIFY IN FIELD
HORIZ	HORIZONTAL	WD	WOOD
		WP	WORK POINT
		WVF	WELDED WIRE FABRIC

SYMBOLS



WOOD

- I. WHERE NOTED OR EXPOSED TO WEATHER, WOOD TO BE PRESSURE TREATED IN ACCORDANCE WITH AWPA (AMERICAN WOOD PRESERVERS ASSOCIATION), STANDARD U1.
- a. POSTS, BEAMS - AWPA USE CATEGORY UC4A
  - b. SILL PLATES - AWPA USE CATEGORY UC3B
- ALL LUMBER TO BE MARKED "KDAT" (KILN DRIED AFTER TREATMENT).
2. CHECK LUMBER FOR EXCESSIVE KANE, KNOTS, CURVATURE, CRACKS AND OTHER DEFECTS WHICH COULD AFFECT APPEARANCE. CULL LUMBER AS NECESSARY.
3. WHERE PRESSURE TREATED LUMBER IS TO BE PAINTED, MAKE SURE WOOD IS DRIED PROPERLY AND FOLLOW PAINT MANUFACTURERS RECOMMENDATIONS FOR PAINTING TREATED LUMBER.
4. ATTACH SILL PLATE TO FOUNDATION WITH 1/2" DIAMETER ANCHORS EMBEDDED 7" MINIMUM AND SPACED NOT MORE THAN 32" APART, WITH A MINIMUM OF (2) BOLTS PER SILL PIECE WITH ONE BOLT WITHIN 12" OF EACH END.
5. ROOF SHEATHING SHALL BE 19/32" APA RATED SHEATHING 32/16 EXPOSURE I. FASTEN WITH 8d COMMON NAILS AT 6" OC AT ALL SUPPORTED EDGES, 8d @ 12" OC AT ALL INTERMEDIATE SUPPORTS. STAGGER ALL JOINTS.
6. WALL SHEATHING SHALL BE 15/32" APA RATED SHEATHING 32/16 EXPOSURE I. FASTEN WITH 8d COMMON NAILS AT 6" OC AT ALL SUPPORTED EDGES, 8d @ 12" OC AT ALL INTERMEDIATE SUPPORTS.

WOOD FASTENERS

- I. FASTEN MULTIPLE MEMBER BEAMS TOGETHER WITH 16d NAILS AT 12" OC TOP AND BOTTOM.
2. NAILS SHOULD BE HELD FLUSH AND NOT OVER-DRIVEN. NAILS CAN BE DRIVEN BY GUN, PALM NAILER, OR BY HAND.
3. SCREWS SHALL BE DRIVEN FLUSH. USE SCREWS THAT ARE DESIGNED TO BE USED WITHOUT PRE-DRILLING.
4. REPLACE ALL SCREWS WHERE HEADS ARE DAMAGED OR COATING IS DAMAGED DURING INSTALLATION.

CONCRETE

- I. CONC COVER OVER ALL REINF SHALL BE AS FOLLOWS, UNO:
- a. SURFACES CAST AGAINST & PERMANENTLY EXPOSED TO EARTH OR WEATHER = 3"
  - b. SURFACES EXPOSED TO EARTH OR WEATHER AFTER PLACEMENT:
    - 1) #5 & SMALLER BARS = 1 1/2"
    - 2) #6 & LARGER BARS = 2"  - c. SURFACES NOT EXPOSED TO EARTH OR WEATHER:
    - 1) SLABS AND WALLS = 3/4"
    - 2) BEAMS, COLUMNS, & SIMILAR ELEMENTS (COVER TO STIRRUPS & TIES) = 1 1/2"
2. PROVIDE A WATERSTOP IN ALL CONSTRUCTION JOINTS BELOW GRADE AND WHERE INDICATED.

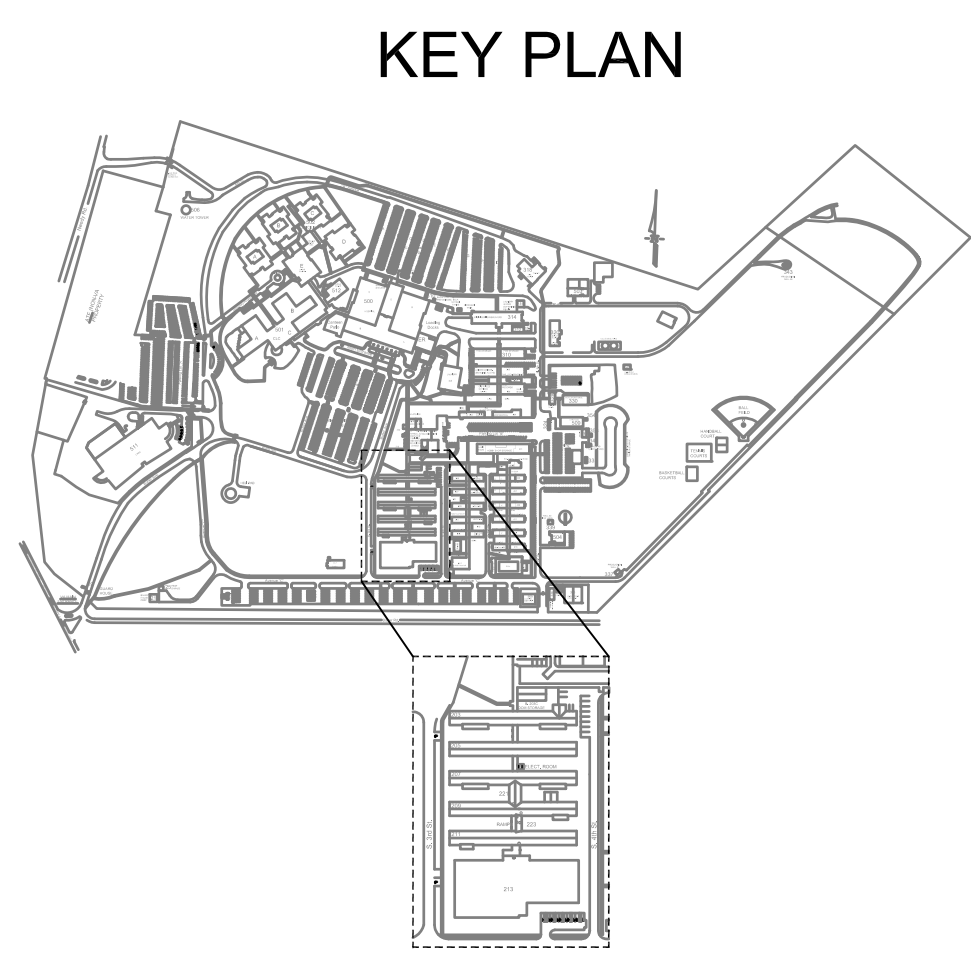
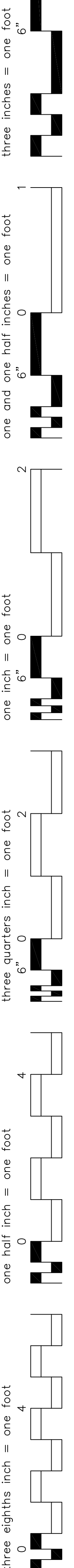
BID SUBMISSION

		<b>CONSULTANTS</b>  <b>HENRY ADAMS</b> Consulting Engineers  MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS  <b>MECHANICAL, PLUMBING, ELECTRICAL</b> HENRY ADAMS 600 BALTIMORE AVENUE BALTIMORE, MD 21204		 <b>STRUCTURAL, CIVIL, COST ESTIMATING</b> ALPHA CORPORATION 1895 S. LONDON STREET SUITE 200 WINCHESTER, VA 22601		 <b>KOFFEL ASSOCIATES</b> Fire Protection ENGINEERS <b>FIRE PROTECTION</b> KOFFEL ASSOCIATES, INC. 8815 CENTRE PARK DRIVE SUITE 200 COLLUMBIA, MD 21045-2107		 <b>ROBERT ANNA BLAND</b> REGISTERED PROFESSIONAL ENGINEER STATE OF VIRGINIA 17186		<b>ARCHITECTS</b>   <b>ERNEST BLAND ASSOCIATES, P.C.</b> <b>TECHNICAL FACILITIES DESIGN</b>  802 SLIGO AVENUE, SILVER SPRING, MARYLAND 20910 TELEPHONE (301) 589-4811 FAX (301) 589-3810		Drawing Title  <b>GENERAL NOTES</b>		Project Title  <b>MARTINSBURG TASK 7 STEAM UPGRADE FOR 200 ROW</b>		Project Number 613-12-106  Building Number 200 Row  Drawing Number		<b>Department of Veterans Affairs</b>  	
Approved: Project Director		Location VAMC MARTINSBURG, WV		Date MARCH 13, 2015		Checked TWW		Drawn SEP		S-001									









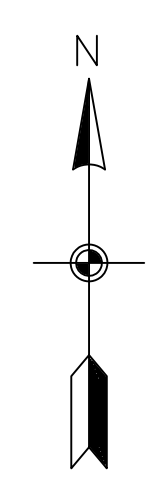
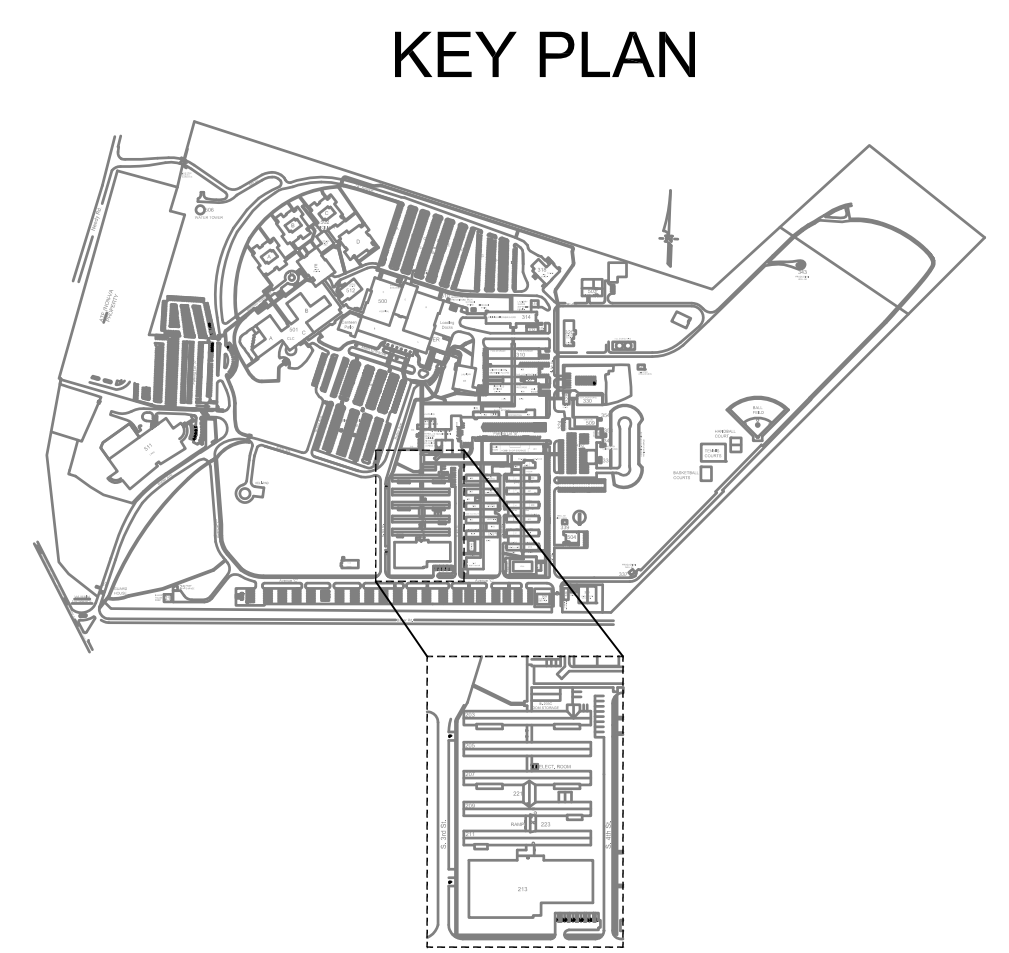
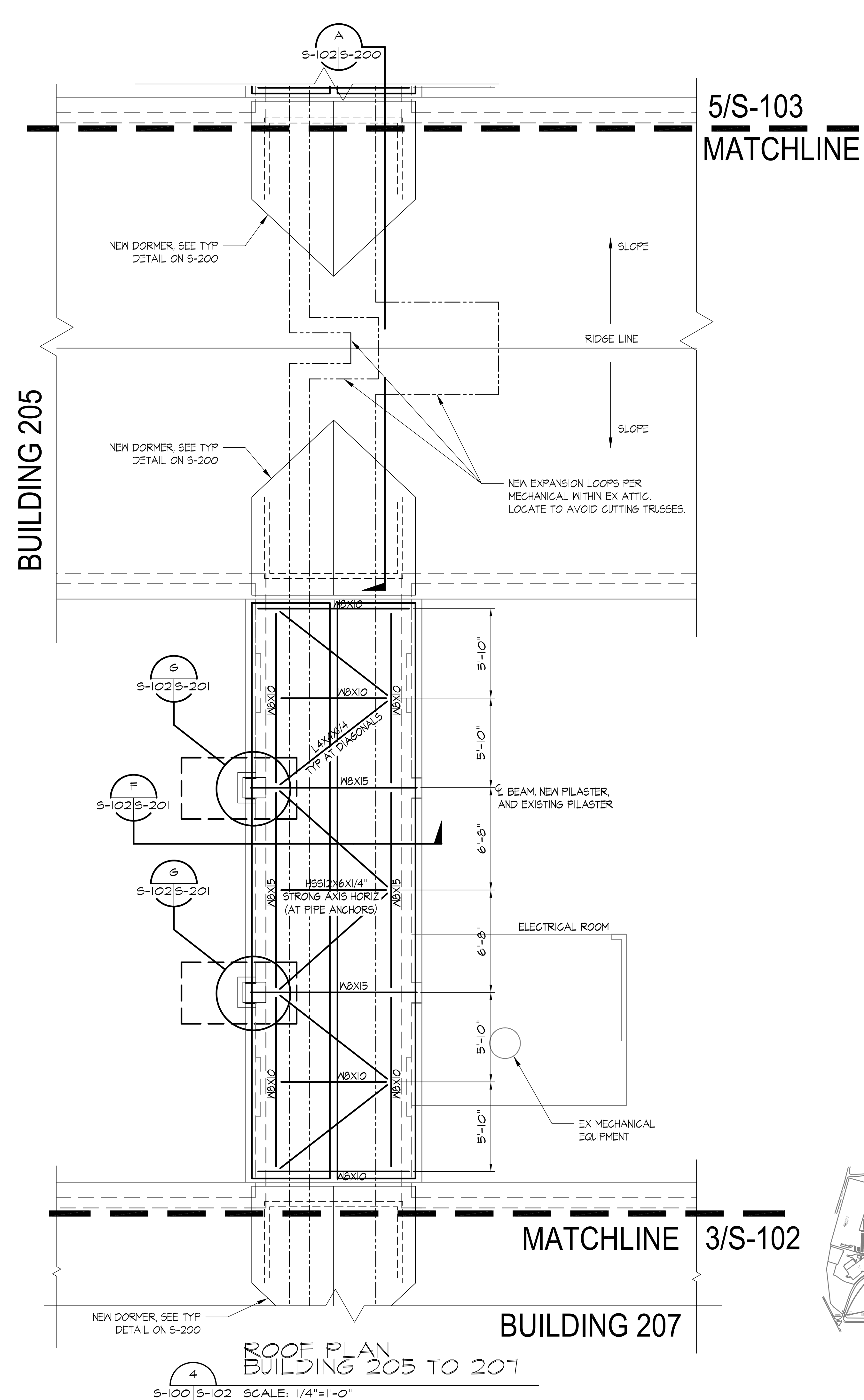
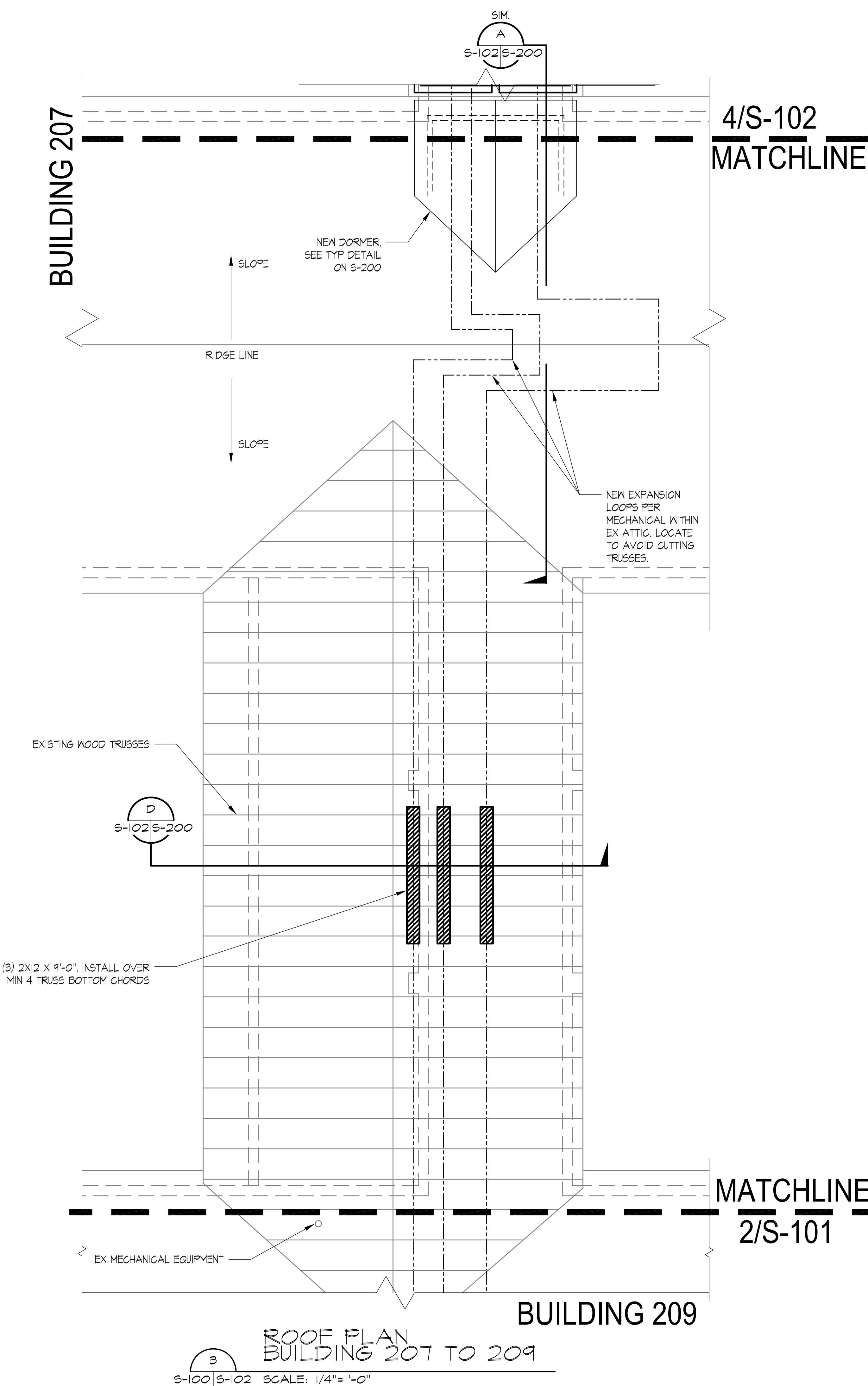
**Department  
of Veterans  
Affairs**

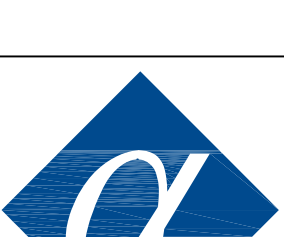



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three eighths inch = one foot  
one half inch = one foot  
one inch = one foot  
one and one half inches = one foot  
two inches = one foot  
three inches = one foot  
four inches = one foot  
five inches = one foot  
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seven inches = one foot  
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ninety seven inches = one foot  
ninety eight inches = one foot  
ninety nine inches = one foot  
one hundred inches = one foot

1 2 3 4 5 6 7 8

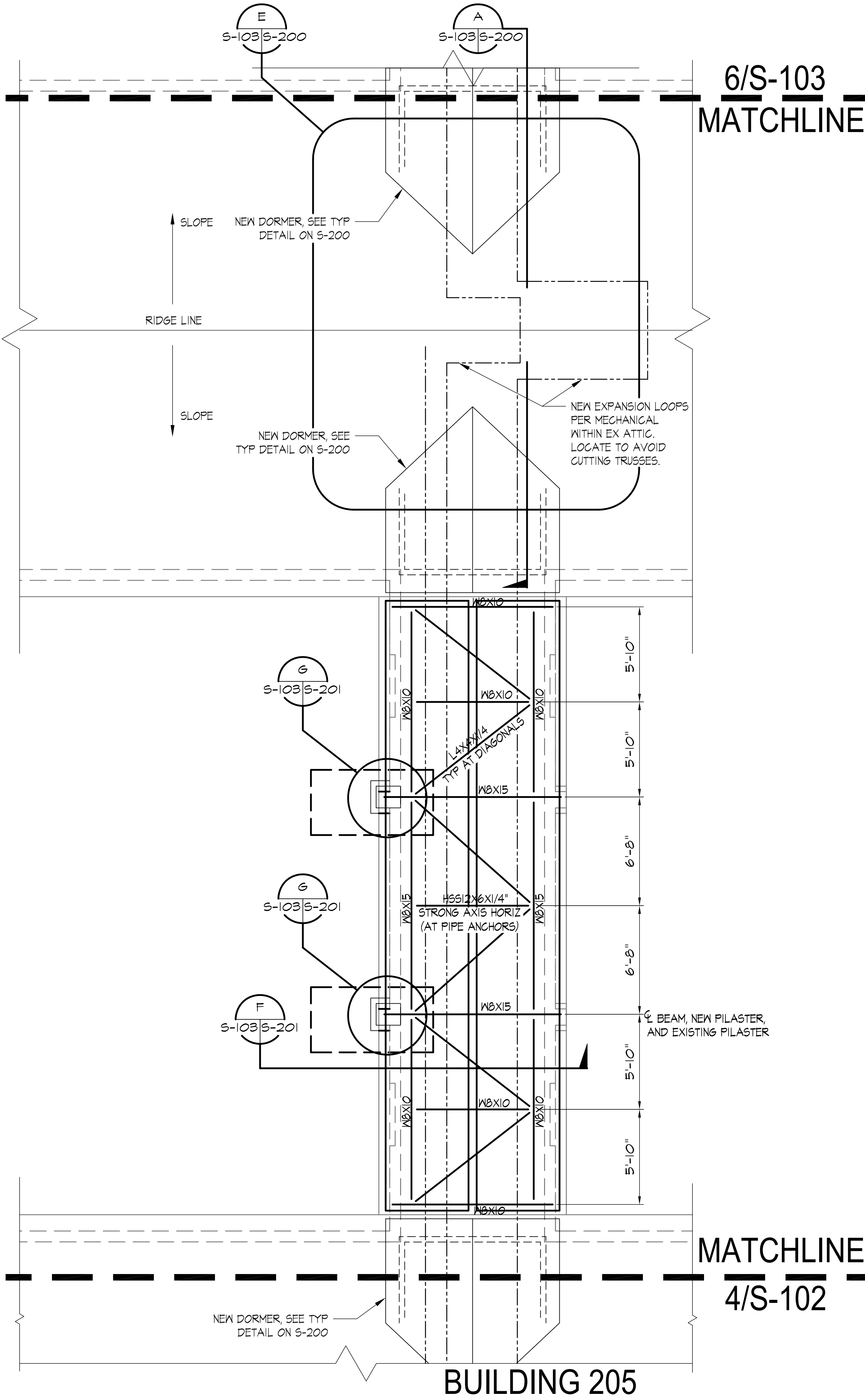


		CONSULTANTS				ARCHITECTS		Drawing Title		Project Title		Project Number		Department of Veterans Affairs							
		HENRY ADAMS Consulting Engineers								MARTINSBURG TASK 7 STEAM UPGRADE FOR 200 ROW		613-12-106		Department of Veterans Affairs							
		MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS								Location		Building Number		Department of Veterans Affairs							
		MECHANICAL, PLUMBING, ELECTRICAL		STRUCTURAL, CIVIL, COST ESTIMATING		FIRE PROTECTION ENGINEERS		ERNEST BLAND ASSOCIATES, P.C. TECHNICAL FACILITIES DESIGN		VAMC MARTINSBURG, WV		200 Row		Department of Veterans Affairs							
		HENRY ADAMS 600 BALTIMORE AVENUE BALTIMORE, MD 21204		ALPHA CORPORATION 1800 S. LOUDOUN STREET SUITE 200 WINCHESTER, VA 22601		KOFFEL ASSOCIATES, INC. 8815 CENTRE PARK DRIVE SUITE 200 COLUMBIA, MD 21045-2107		802 SLIGO AVENUE, SILVER SPRING, MARYLAND 20910 TELEPHONE (301) 589-4811 FAX (301) 589-3810		Approved: Project Director		Date		Checked		Drawn		S-102			
Revisions												MARCH 13, 2015		TWW		SEP					
Date																					

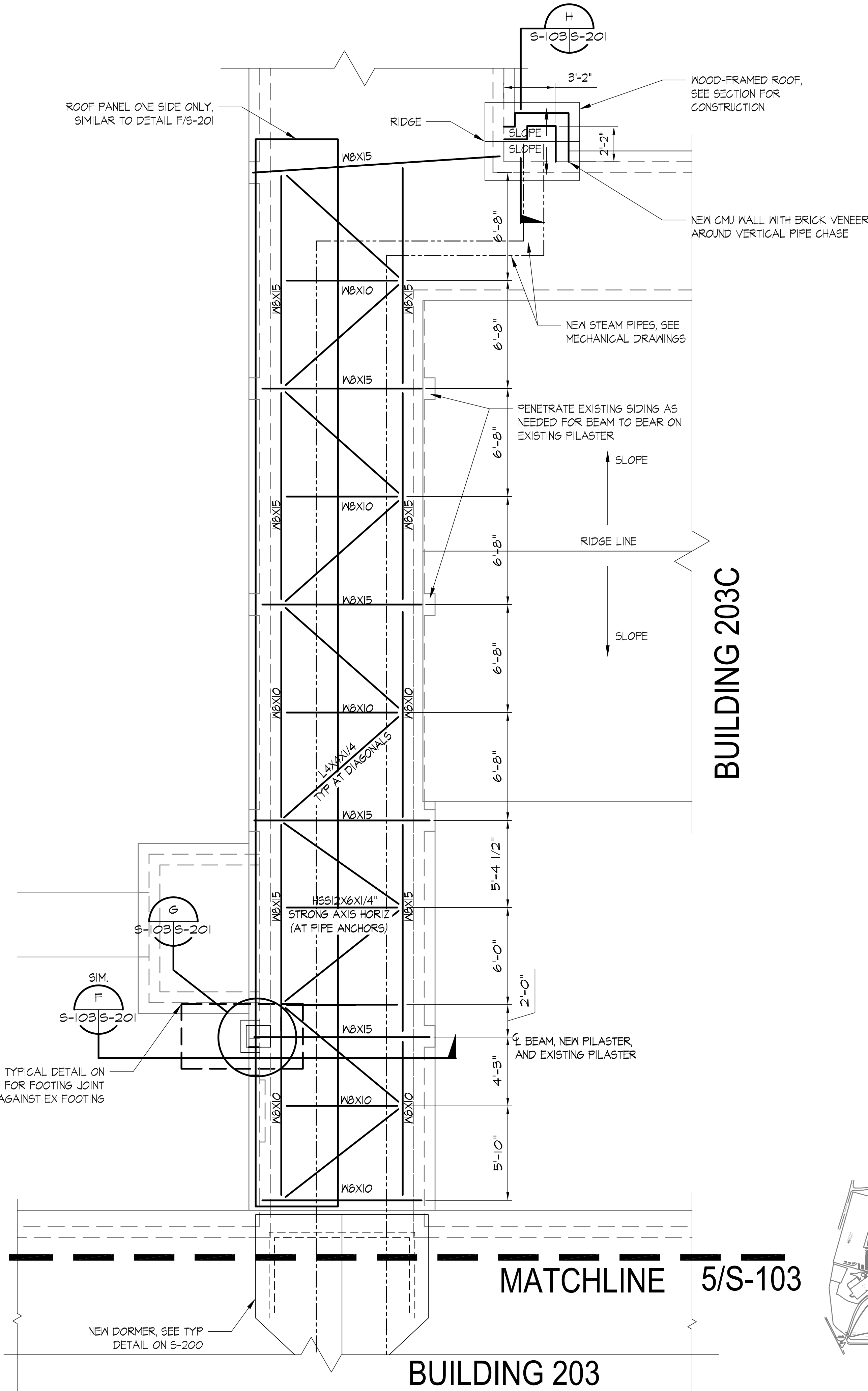
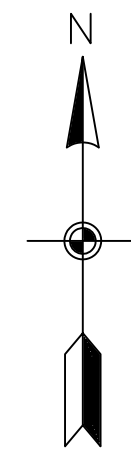


three eighths inch = one foot  
one half inch = one foot  
three quarters inch = one foot  
one inch = one foot  
one and one half inches = one foot  
two inches = one foot  
three inches = one foot

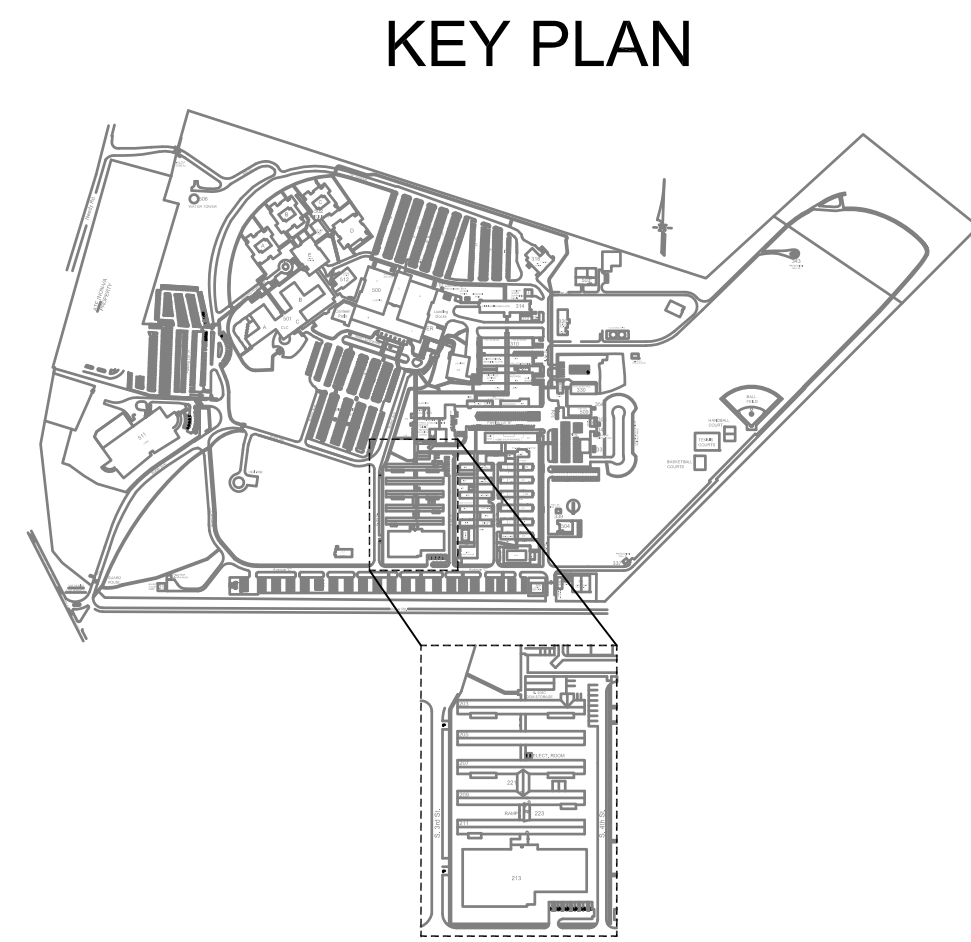
BUILDING 203



5  
S-100/S-103 SCALE: 1/4"=1'-0"



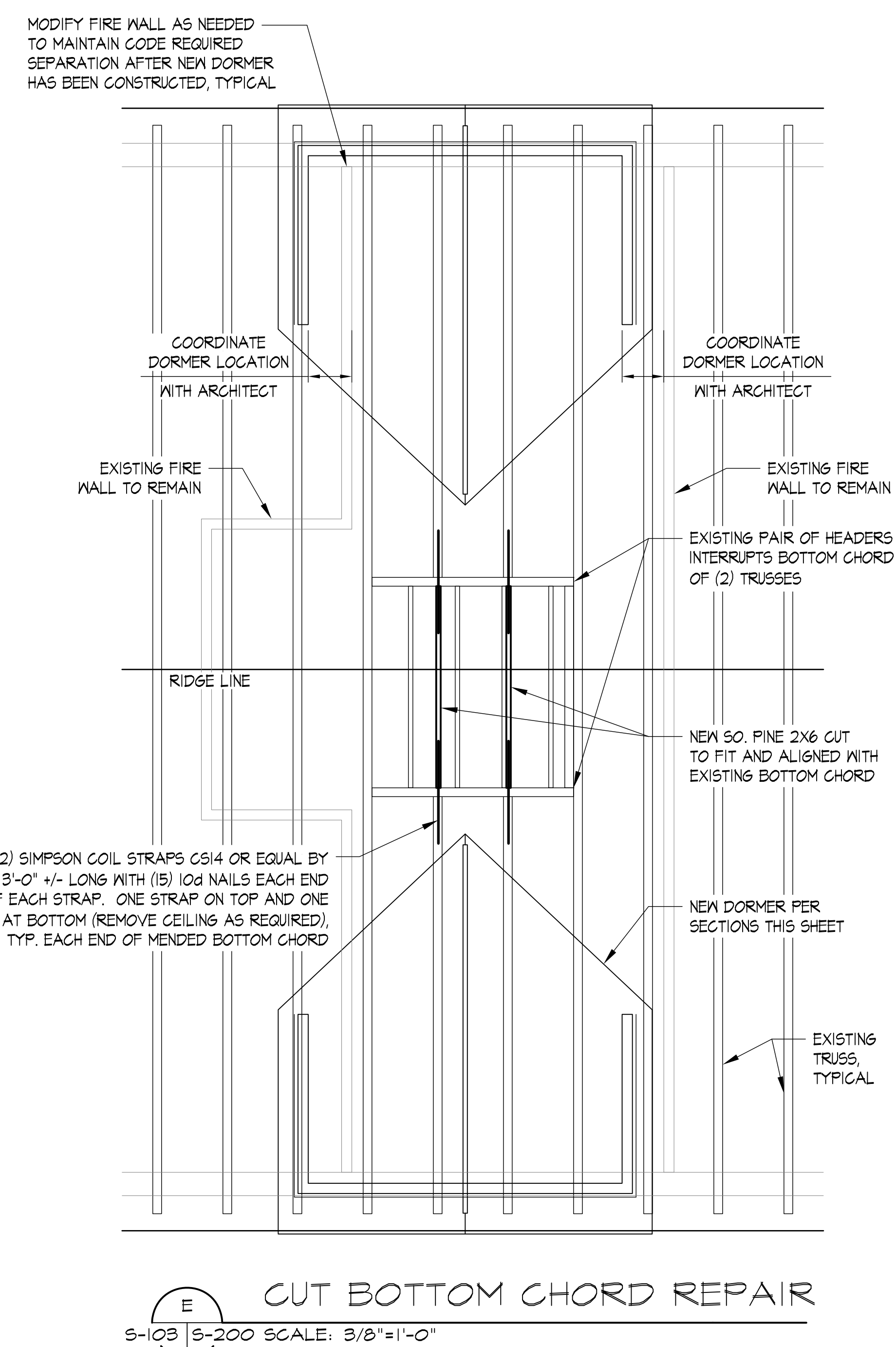
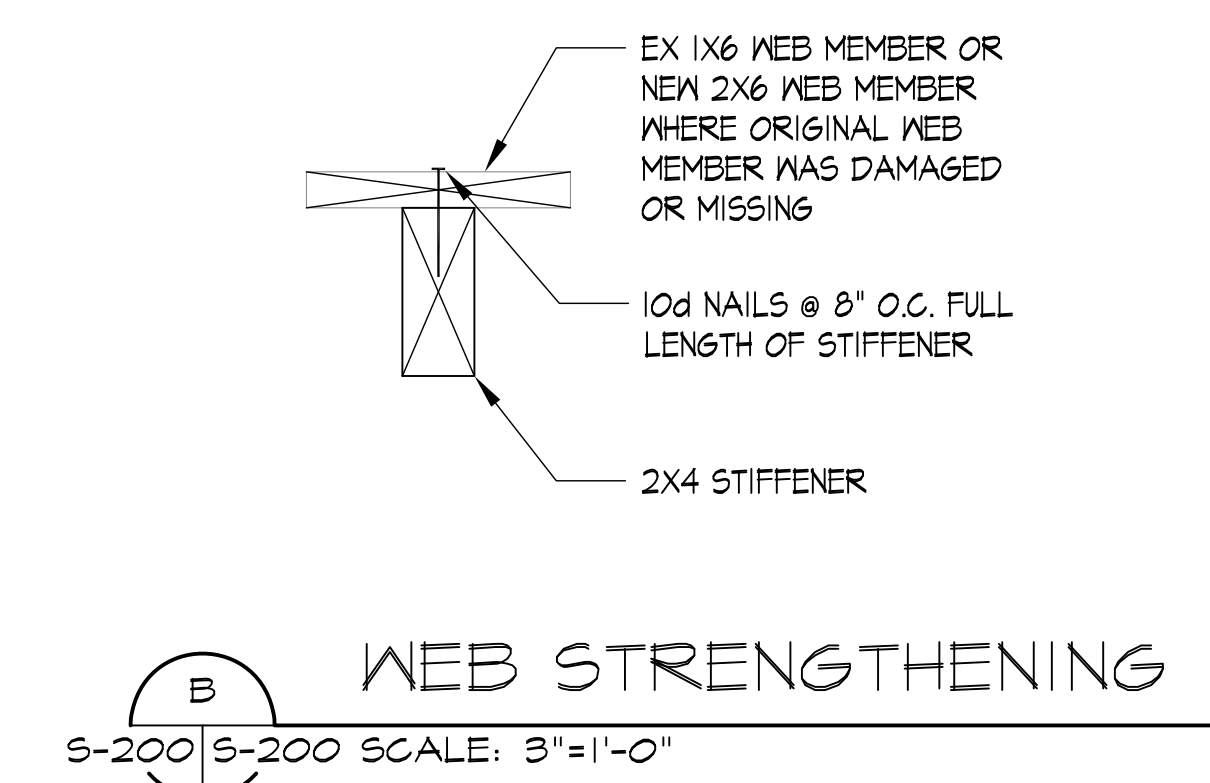
6  
S-100/S-103 SCALE: 1/4"=1'-0"



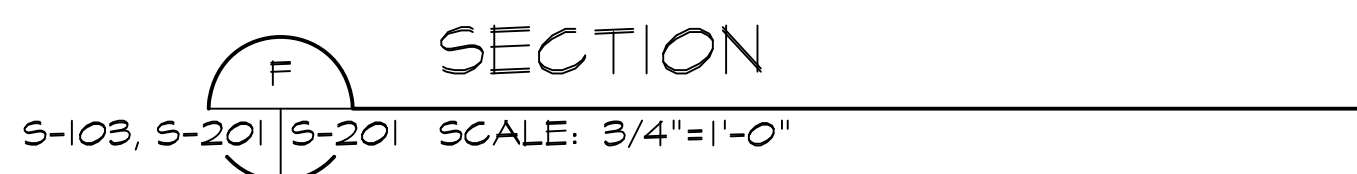
BID SUBMISSION

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Project Number 613-12-106
Building Number 200 Row
Drawing Number  <b>S-201</b>

**Department  
of Veterans  
Affairs**

The logo of the Department of Veterans Affairs, featuring a stylized 'VA' inside a hexagon.



