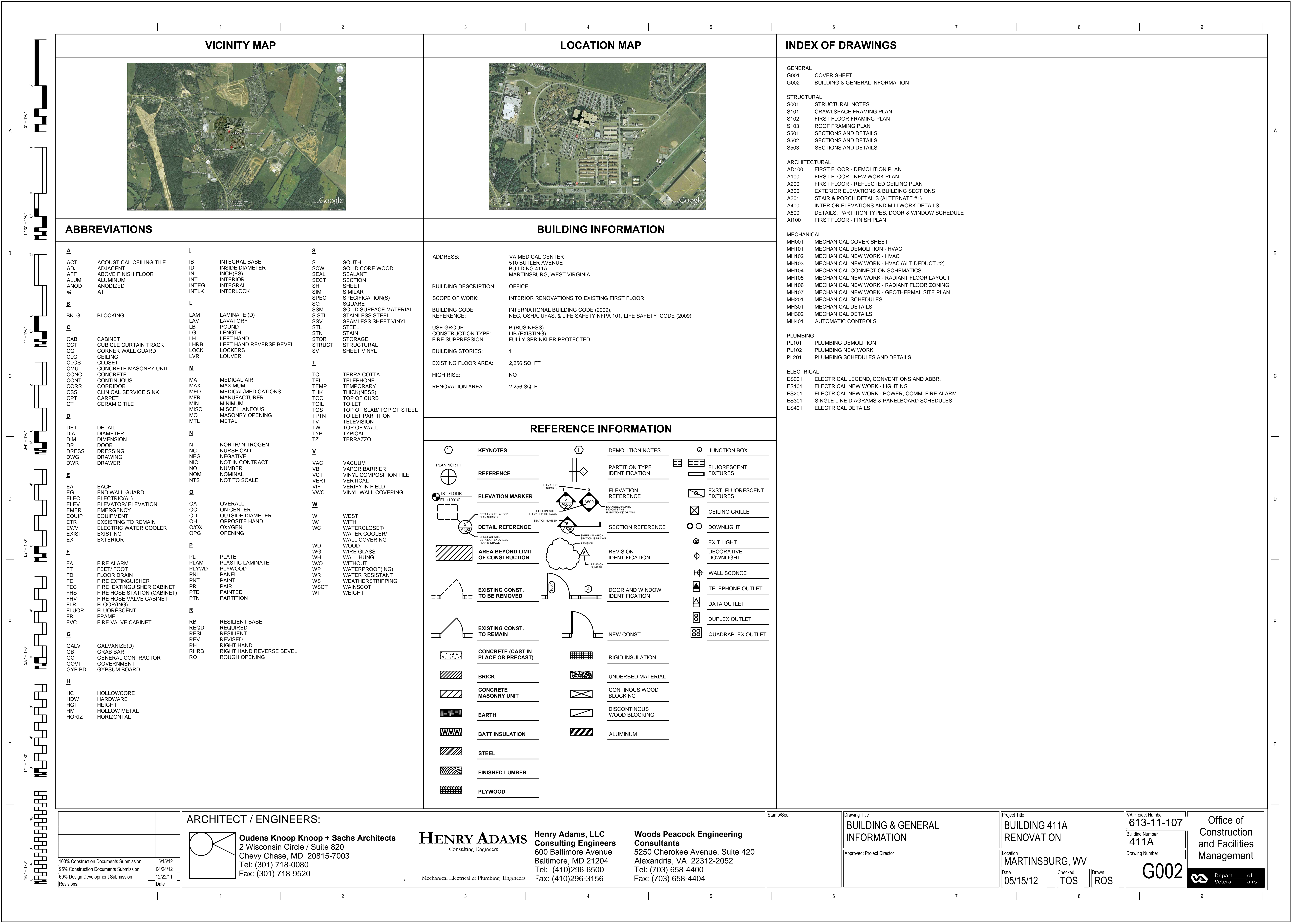




BUILDING 411A RENOVATION
100% CONSTRUCTION DOCUMENTS SUBMISSION
MAY 25, 2012

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STRUCTURAL NOTES

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CRITERIA UNLESS OTHERWISE NOTED ON THE DRAWINGS. THE MOST STRINGENT REQUIREMENTS GOVERN CONDITIONS COVERED BY BOTH THE STRUCTURAL NOTES AND THE PROJECT SPECIFICATIONS.

A. CODES AND REFERENCES

- 1. BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC)-2006.
- 2. CONCRETE CODES: ACI 301-05 AND ACI 318-05. REINFORCING DETAILS SHALL CONFORM TO THE ACI DETAILING MANUAL AND CRSI STANDARDS.
- 3. STEEL CODE: AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" 13TH EDITION 3/9/05.
- 4. MASONRY CODES: ACI 530-05 AND ACI 530.1-05.
- 5. TIMBER CODE: ANSI/AF&PA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) - 2005 EDITION.
- 6. LIGHT GAGE STEEL CODE: AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" - 2001 EDITION.

B. FLOOR LIVE LOADS

- 1. OFFICE SPACE: 50 PSF.
- 2. PARTITIONS: 15 PSF.
- 3. STAIRS: 100 PSF.

C. ROOF LIVE LOAD

- 1. SLOPED ROOF: 19.4 PSF.

D. SNOW LOADS

- 1. SNOW LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE REQUIREMENTS OF ASCE 7-05 FOR A GROUND SNOW LOAD OF 30 PSF.
- 2. FLAT-ROOF SNOW LOAD (P_f) IS: 20 PSF.
- 3. SNOW EXPOSURE FACTOR (C_e) IS: 0.9.
- 4. SNOW LOAD IMPORTANCE FACTOR (I) IS: 1.0.
- 5. SNOW LOAD THERMAL FACTOR (C_t) IS: 1.0.
- 6. IN ADDITION TO THE ROOF SNOW LOAD STATED ABOVE, A SNOW LOAD PROVISION FOR DRIFTING SNOW HAS BEEN PROVIDED FOR IN ACCORDANCE WITH THE REQUIREMENTS OF ASCE 7-05 WHERE DRIFTING SNOW GOVERNS OVER THE FLAT ROOF LIVE LOAD STATED ABOVE.

E. WIND LOADS

- 1. THE STRUCTURE HAS BEEN DESIGNED FOR WIND IN ACCORDANCE WITH ASCE 7-05.
- 2. BASIC WIND SPEED (3 SECOND GUST) (V) IS: 90 MPH.
- 3. WIND LOAD IMPORTANCE FACTOR (I) IS: 1.0.
- 4. OCCUPANCY CATEGORY IS: II.
- 5. WIND EXPOSURE CATEGORY IS: C.
- 6. WIND INTERNAL PRESSURE COEFFICIENTS (C_{pi}): 0.18.
- 7. COMPONENTS AND CLADDING WIND PRESSURE IS: 24 PSF (NOTE: THIS PRESSURE IS BASED ON AN EFFECTIVE WIND AREA OF 10 FT². COMPONENTS AND CLADDING DESIGN PRESSURES CAN BE REDUCED IN ACCORDANCE WITH THE BUILDING CODE).

F. EARTHQUAKE DESIGN DATA

- 1. SEISMIC DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH ASCE 7-05>.
- 2. SEISMIC DESIGN IMPORTANCE FACTOR (I_e) IS: 1.0.
- 3. OCCUPANCY CATEGORY IS: II.
- 4. MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS (S_s) IS: 0.166.
- 5. MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD (S₁) IS: 0.051.
- 6. SITE CLASS IS: D (ASSUMED).
- 7. SPECTRAL RESPONSE COEFFICIENT FOR SHORT PERIODS (S_{os}) IS: 0.177.
- 8. SPECTRAL RESPONSE COEFFICIENT FOR 1-SECOND PERIOD (S_{o1}) IS: 0.082.
- 9. SEISMIC DESIGN CATEGORY: B.
- 10. BASIC SEISMIC FORCE RESISTING SYSTEM IS: LIGHT FRAMED WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS.
- 11. SEISMIC RESPONSE COEFFICIENT (C_s) IS: 0.089.
- 12. RESPONSE MODIFICATION COEFFICIENT (R) IS: 2.0.
- 13. SYSTEM OVER-STRENGTH FACTOR (γ_o) IS: 2.5.
- 14. DEFLECTION AMPLIFICATION FACTOR (C_d) IS: 2.0.
- 15. DESIGN BASE SHEAR: 16.5 KIPS.
- 16. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE.

G. LATERAL LOADS

- 1. LATERAL DESIGN EQUIVALENT FLUID PRESSURE FOR WALLS BELOW GRADE IS 45 PSF (ASSUMED) THE CONTRACTOR SHALL EMPLOY A GEOTECHNICAL ENGINEER TO VERIFY THIS ASSUMPTION PRIOR TO BEGINNING CONSTRUCTION.

H. SOIL BEARING VALUE

- 1. DESIGN SOIL BEARING VALUE IS 2000 PSF (ASSUMED) THE CONTRACTOR SHALL EMPLOY A GEOTECHNICAL ENGINEER TO VERIFY THIS ASSUMPTION PRIOR TO BEGINNING CONSTRUCTION.

J. MATERIALS AND PHYSICAL PROPERTIES

- 1. WELDING ELECTRODES: PER TABLE 3.1 OF AWS D1.1 FOR THE SMAW PROCESS OR ANY OTHER PREQUALIFIED WELDING PROCEDURES SPECIFICATIONS (WPS).
- 2. ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT CONCRETE.
- 3. CONCRETE CONSTRUCTION AND PROPERTIES SHALL CONFORM TO THE CRITERIA SPECIFIED IN TABLE 1 BELOW.
- 4. CONCRETE AND MASONRY REINFORCEMENT.....F_y=60000 psi
- 5. MASONRY.....f_m=1500 psi
- 6. CONCRETE BLOCK FOR REINFORCED CONSTRUCTION SHALL BE TWO CELL UNITS CONFORMING TO ASTM C-90, TYPE I, MEDIUM-WEIGHT CONCRETE.
- 7. MORTAR SHALL BE PORTLAND CEMENT/LIME.
- 8. MORTAR (TYPE S).....f_c=1800 psi
- 9. GROUT.....f_c=3000 psi
- 10. STRUCTURAL STEEL
 - a. ANGLES AND PLATES.....F_y=36000 psi
 - b. TUBES.....F_y=46000 psi
- 11. ALL STEEL BOLTS SHALL BE HOT-DIP GALVANIZED PER ASTM A153. UNLESS OTHERWISE NOTED,
 - a. STEEL BOLTS (A307).....F_y=36000 psi
 - b. STEEL BOLTS (A307).....F_y=33000 psi
- 12. ALL STUDS, JOISTS, AND ACCESSORIES.....F_u = 1500 PSI
- 13. WOOD FRAMING.....E = 1,600,000 PSI

TABLE 1: CONCRETE PROPERTIES			
STRUCTURE TYPE	f _c (MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS (PSI)	MAXIMUM WATER/CEMENTITIOUS MATERIALS RATIO	ENTRAINED AIR CONTENT (%)
FOUNDATIONS	3000	0.66	UP TO 2%
EXTERIOR REINF. SLABS AND STAIRS	4000	0.47	6%

K. FOOTINGS

- 1. THE BOTTOM ELEVATION OF NEW FOOTINGS ADJACENT TO EXISTING FOOTINGS MUST MATCH THE BOTTOM ELEVATION OF THE EXISTING FOOTINGS UNLESS OTHERWISE DETAILED ON THE DRAWINGS.
- 2. BOTTOMS OF ALL FOOTINGS SHALL EXTEND 1'-0" MINIMUM INTO UNDISTURBED SOIL AND, WHERE SUBJECT TO FROST ACTION, AT LEAST 3'-0" BELOW FINISHED GRADE.
- 3. WHERE BEARING ON UNDISTURBED VIRGIN SOIL IS NOT POSSIBLE AT FOOTING ELEVATIONS INDICATED, FOOTINGS SHALL BE SUPPORTED ON CONTROLLED FILL OR FOOTINGS SHALL BE LOWERED AND SHALL BEAR ON VIRGIN SOIL.
- 4. FOOTINGS SHALL BE EXTENDED BELOW ELEVATIONS SHOWN WHERE NECESSARY TO REACH THE DESIGN SOIL BEARING VALUE, SUBJECT TO APPROVAL OF THE PROJECT MANAGER.
- 5. FOOTING SUBGRADE SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO PLACEMENT OF THE FOOTINGS.

L. BACKFILL COMPACTION

- 1. BACKFILLING AGAINST WALLS WILL NOT BE PERMITTED UNTIL FLOOR CONSTRUCTION IS IN PLACE. BRACING ARRANGEMENTS SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO BACKFILLING.
- 2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO BRACE FOUNDATION WALLS WHEN BACKFILLING AND WHEN THERE IS A POSSIBILITY OF DAMAGE BY EXCESS WATER. BACKFILLING AGAINST SUCH WALLS SHALL BE DONE IN A MANNER THAT WILL NOT DAMAGE WALLS. ALL PRECAUTIONS SHOULD BE TAKEN FOR ADEQUATE DRAINAGE PRIOR TO AND AFTER SUCH BACKFILLING.
- 3. ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM LOOSE LIFTS OF 8" AND SHALL BE COMPACTED TO DRY DENSITIES OF AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698).

M. CAST-IN-PLACE CONCRETE CONSTRUCTION

- 1. FOOTING DOWELS FOR CANTILEVERED "RETAINING" WALLS SHALL PROJECT INTO WALL AS SHOWN ON RETAINING WALL SECTION(S) ON SHEET S503.
- 2. CONCRETE TEST CYLINDERS SHALL BE TAKEN IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 5.
- 3. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318, ACI 301, AND THE ACI DETAILING MANUAL.

N. CONCRETE REINFORCEMENT

- 1. CONCRETE PROTECTION FOR STEEL REINFORCEMENT OF CAST-IN-PLACE CONCRETE SHALL BE AS SPECIFIED IN TABLE 2 ON THIS SHEET, UNLESS OTHERWISE NOTED.
- 2. DETAILS OF STEEL REINFORCEMENT SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.

TABLE 2: CONCRETE PROTECTION				
TYPE OF STRUCTURE	NOT EXPOSED TO EARTH OR WEATHER IN SERVICE	EXPOSED TO EARTH OR WEATHER IN SERVICE		EARTH FORMED
		#5 OR SMALLER	#6 OR LARGER	
SLABS	¾"	1½"	2"	3"
FOOTINGS	---	3"	3"	3"

P. MASONRY

- 1. FOR REINFORCED MASONRY CONSTRUCTION, SEE THE STRUCTURAL NOTES SECTION WITH THE SAME TITLE BELOW.
- 2. PROVIDE 2 COURSES OF GROUTED BLOCK UNDER ALL CONCRETE SLABS BEARING ON THE MASONRY WALLS.
- 3. UNLESS OTHERWISE NOTED, PROVIDE STANDARD "DUR-O-WAL" HORIZONTAL JOINT REINFORCEMENT OR AN APPROVED EQUIVALENT AT 16" ON CENTER MAX VERTICALLY IN ALL MASONRY WALLS.
- 4. HIGH-LIFT GROUTING SHALL NOT BE PERMITTED.
- 5. AN INDEPENDENT INSPECTION AGENCY, HIRED BY THE CONTRACTOR, SHALL CONDUCT FIELD INSPECTION AND TESTING OF ALL REINFORCED MASONRY CONSTRUCTION. FIELD INSPECTION SHALL OCCUR AT CONSTRUCTION START-UP AND AT 95% COMPLETION OF CONSTRUCTION.
- 6. FIELD INSPECTION OF GROUTED MASONRY SHALL INCLUDE, BUT NOT BE LIMITED TO, REVIEW OF HOLLOW CELLS PRIOR TO GROUTING, MONITORING OF GROUT PLACEMENT, AND REVIEW PRIOR TO IMPOSING LOADS.
- 7. TEST MATERIALS IN ACCORDANCE WITH THE UNIT STRENGTH METHOD FOR DETERMINATION OF MASONRY COMPRESSIVE STRENGTH PER ACI 530.1, SECTION 1.6. IN ADDITION, TEST MORTAR AND GROUT FOR COMPLIANCE TO ASTM C270 AND ASTM C476, RESPECTIVELY. FIELD INSPECTION AND TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT INSPECTION AGENCY. INSPECTION AND TEST RESULTS SHALL BE FURNISHED TO THE PROJECT MANAGER FOR REVIEW.

Q. REINFORCED MASONRY CONSTRUCTION

- 1. KEEP CELLS TO RECEIVE REINFORCING CLEAN OF MORTAR DROPPINGS.
- 2. FOOTING DOWELS FOR SHALL PROJECT A MINIMUM OF 48 BAR DIAMETERS INTO MASONRY CELLS.
- 3. TIE VERTICAL BARS TO DOWELS AT BOTTOM AND SECURE WITH WIRE TIES AND SPACERS AT TOP TO ASSURE THAT BARS REMAIN IN POSITION DURING GROUTING.
- 4. FILL ALL CELLS CONTAINING DOWELS AND VERTICAL BARS WITH GROUT.
- 5. CLOSE CLEANOUTS ONLY AFTER GROUT FLOWS FULLY TO BOTTOM OF WALL. VIBRATE CONCRETE DURING PLACEMENT TO ELIMINATE ALL AIR POCKETS.
- 6. PROVIDE LATERAL BRACING AS REQUIRED TO ASSURE THAT WALL REMAINS PLUMB AFTER CELLS ARE FILLED.
- 7. FIELD INSPECTION OF REINFORCED MASONRY CONSTRUCTION SHALL INCLUDE, BUT NOT BE LIMITED TO, REVIEW OF MORTAR BEDDING, REINFORCING STEEL PLACEMENT PRIOR TO GROUTING, GROUTING PROCEDURES, AND COMPLIANCE WITH CONSTRUCTION TOLERANCES.

R. LINTELS

- 1. PROVIDE HOT-DIP GALVANIZED ANGLE LINTELS FOR OPENINGS IN MASONRY WALLS AS NOTED ON SHEET S103. PROVIDE (1) LINTEL FOR EACH 4" OF WALL THICKNESS, WITH 4" MINIMUM BEARING.

S. STRUCTURAL STEEL

- 1. UNLESS OTHERWISE NOTED, BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" (LATEST EDITION).
- 2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL MEMBERS SHALL BE GALVANIZED PER ASTM A123.
- 3. WELDS SHALL BE INSTALLED BY WELDERS QUALIFIED IN ACCORDANCE WITH AWS PROCEDURES FOR WELDER QUALIFICATION.
- 4. WELDING INSPECTION SHALL BE MADE IN ACCORDANCE WITH THE INSPECTION CHAPTER OF AWS D1.1 (LATEST EDITION).
- 5. INSPECTION SHALL BE PERFORMED BY A RECOGNIZED INDEPENDENT TESTING LABORATORY RETAINED BY THE CONTRACTOR.

T. LIGHT GAGE CONSTRUCTION

- 1. FRAMING COMPONENTS INDICATED ON THE DRAWINGS ARE IDENTIFIED USING THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) IDENTIFICATION CODE.
- 2. UNLESS OTHERWISE SHOWN ON DRAWINGS, PROVIDE LIGHT GAGE METAL HEADERS FOR OPENINGS IN STUD WALLS PER THE HEADER DETAIL ON SHEET S501. AT CLOSED BOX HEADERS, INSTALL THE REQUIRED WALL INSULATION INSIDE OF THE HEADER, PRIOR TO CLOSING THE HEADER BOX.
- 3. WHERE SCREW ATTACHMENTS ARE MADE TO FRAMING COMPONENTS OF DIFFERENT THICKNESSES, THE THINNEST COMPONENT MUST BE PENETRATED FIRST. MAINTAIN A MINIMUM 3/4-INCH DISTANCE FROM EDGE OF LIGHT GAGE STEEL TO CENTERLINE OF SCREW AND A MINIMUM SPACING OF 1 INCH BETWEEN SCREWS, UNLESS OTHERWISE NOTED.
- 4. STUDS SHALL BE PLUMBED, ALIGNED, AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF THE TRACKS. THE ENDS OF THE STUDS MUST BEAR AGAINST THE WEB OF BOTH UPPER AND LOWER TRACKS U.N.O.
- 5. WALL STUD BRIDGING SHALL BE INSTALLED PRIOR TO ATTACHMENT OF SHEATHING MATERIALS AND LOADING. WALL STUD BRIDGING ROWS SHALL BE SPACED NOT TO EXCEED 4'-0" O.C.
- 6. SPLICING OF FRAMING IS NOT PERMITTED UNLESS DETAILED ON THESE DRAWINGS. SPLICES IN TRACKS SHALL BE LOCATED BETWEEN WALL STUDS AND SHALL HAVE A MINIMUM OVERLAP OF 12 INCHES.
- 7. TEMPORARY BRACING SHALL BE PROVIDED AND REMAIN IN PLACE UNTIL WORK IS COMPLETELY STABILIZED.
- 8. ALL STUDS, JOISTS, AND TRACKS SHALL HAVE A G-90 GALVANIZED COATING.
- 9. SELF-DRILLING SCREWS (TEK SCREWS) SHALL BE #12 X 3/4 INCH SCREWS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INC., OR AN APPROVED EQUIVALENT U.N.O.

U. TIMBER

- 1. PRE-DRILL NAIL HOLES TO PREVENT SPLITTING TIMBER MEMBERS. THE DIAMETER OF THE BORED HOLE SHALL NOT EXCEED 75% OF THE NAIL DIAMETER.
- 2. THE NUMBER OF NAILS SHOWN IN THE ROOF TRUSS CONNECTION DETAILS ON SHEET S502 ARE IN ADDITION TO THE EXISTING NAILS IN PLACE. IT IS ASSUMED THAT THERE ARE AT LEAST FIVE EXISTING NAILS IN EACH MEMBER-TO-MEMBER CONNECTION. WHERE THERE ARE FEWER THAN FIVE EXISTING NAILS, AN ADDITIONAL NAIL SHALL BE INSTALLED TO REPLACE EACH "MISSING" NAIL.
- 3. INSTALL NAILS SUCH THAT NEW AND EXISTING NAILS ARE SPACED EVENLY. SPACING BETWEEN NAILS (NEW OR EXISTING) SHALL NOT BE LESS THAN FOUR (4) TIMES THE NAIL DIAMETER.
- 4. ALL CONNECTORS AND HANGERS IN CONTACT WITH PRESSURE TREATED (PT) FRAMING SHALL BE STAINLESS STEEL, UNLESS NOTED OTHERWISE. FASTENERS ASSOCIATED WITH THESE CONNECTORS SHALL ALSO BE STAINLESS STEEL.
- 5. FOLLOW ALL MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS FOR ATTACHMENT OF CONNECTORS AND HANGERS.

V. TIMBER TRUSSES

- 1. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION" (TPI-1-2002), PUBLISHED BY THE TRUSS PLATE INSTITUTE.
- 2. SEE THE TRUSS DIAGRAM ON THE SHEET S503 FOR SUGGESTED TRUSS CONFIGURATIONS. SEE THE ARCHITECTURAL DRAWINGS FOR REQUIRED TRUSS DIMENSIONS.
- 3. TRUSS DESIGN SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WEST VIRGINIA.
- 4. DESIGN TRUSSES FOR DEAD, LIVE, SNOW, AND WIND LOADS SHOWN IN DETAIL 9/S503.
- 5. TRUSS PLATE CONNECTIONS SHALL BE SIZED USING A MINIMUM SAFETY FACTOR OF TWO.
- 6. SEE THE ROOF FRAMING PLAN FOR AREAS OF OVERBUILT FRAMING. TRUSS DESIGNS MUST TAKE INTO ACCOUNT THE DEAD LOADS FROM THESE OVERBUILT AREAS IN ADDITION TO THE DEAD LOADS APPLIED TO THE SUPPORTING TRUSSES.
- 7. ERECTION LAYOUT, CALCULATIONS, JOINT STRENGTH INFORMATION (ALLOWABLE LOAD PER SQUARE INCH OR PER NAIL, ALLOWABLE EDGE DISTANCE AND END DISTANCE), LOAD TEST DATA, DETAILS FOR TRUSS-TO-TRUSS CONNECTIONS, AND ANY OTHER INFORMATION DEEMED NECESSARY BY THE STRUCTURAL ENGINEER SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
- 8. ROOF TRUSSES SHALL BE SECURED AT BEARING ENDS WITH SIMPSON HURRICANE ANCHORS OR AN APPROVED EQUIVALENT CAPABLE OF RESISTING THE COMBINED DESIGN UPLIFT AND LATERAL LOADS SPECIFIED BY THE TRUSS MANUFACTURER ON THE APPROVED SHOP DRAWINGS.
- 9. ALL TRUSSES SHALL BE SECURELY BRACED BOTH DURING ERECTION AND AFTER PERMANENT INSTALLATION IN THE STRUCTURE IN ACCORDANCE WITH THE "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" (DSB-89), AS PUBLISHED BY TPI.
- 10. TRUSS MANUFACTURER SHALL OBSERVE ERECTED TRUSSES PRIOR TO INSTALLATION OF ROOF SHEATHING TO OBSERVE TEMPORARY BRACING AND TO CERTIFY THAT TRUSS INSTALLATION MEETS THEIR REQUIREMENTS.

W. GENERAL CONTRACTOR

- 1. STRUCTURAL DRAWINGS SHALL BE USED ONLY IN CONJUNCTION WITH THE ARCHITECTURAL AND MEP DRAWINGS. ARCHITECTURAL AND MEP DRAWINGS SHALL BE PROVIDED TO ALL SUBCONTRACTORS RESPONSIBLE FOR STRUCTURAL CONSTRUCTION.
- 2. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHALL BE FIELD VERIFIED AND DEVIATIONS FROM THOSE SHOWN SHALL BE FURNISHED TO THE PROJECT MANAGER PRIOR TO BEGINNING CONSTRUCTION.
- 3. SHOP DRAWINGS FOR ALL STRUCTURAL ITEMS ARE PART OF THE STRUCTURAL DESIGN AND SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. FAILURE BY THE OWNER OR CONTRACTOR TO SUBMIT SUCH DRAWINGS FOR APPROVAL WILL RELIEVE THE STRUCTURAL ENGINEER OF ALL RESPONSIBILITY FOR CONSTRUCTION DIRECTLY OR INDIRECTLY IMPACTED BY THE FAILURE TO SUBMIT SHOP DRAWINGS.
- 4. DURING CONSTRUCTION, ALL STRUCTURAL ELEMENTS SHALL BE TEMPORARILY SHORED AND BRACED AS REQUIRED TO RESIST THE LOADS TO WHICH THEY MAY BE SUBJECT.
- 5. ALL TEMPORARY SHORING AND BRACING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR AND SHALL REMAIN IN-PLACE UNTIL THE STRUCTURE IS CAPABLE OF SUPPORTING THE LOADS TO WHICH IT MAY BE SUBJECT. DETERMINATION OF WHEN TEMPORARY SHORING AND BRACING CAN BE REMOVED IS THE RESPONSIBILITY OF THE SHORING ENGINEER.
- 6. THE DESIGN OF ALL TEMPORARY SHORING AND BRACING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 7. IMPOSED CONSTRUCTION LOADS, IN EXCESS OF THE STATED DESIGN LOADS MUST BE APPROVED BY THE PROJECT MANAGER PRIOR TO THE IMPOSITION OF SUCH LOADS.
- 8. THE DESIGN AND CONSTRUCTION OF SHORING REQUIRED TO MAINTAIN THE STABILITY OF EXCAVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

X. DEMOLITION/ALTERATIONS OF EXISTING STRUCTURE

- 1. CONTRACTOR SHALL SUBMIT METHODS AND SEQUENCING FOR THE REMOVING EXISTING STRUCTURES, AS WELL AS TYPES OF TOOLS AND EQUIPMENT TO BE USED, TO THE PROJECT MANAGER FOR APPROVAL PRIOR TO BEGINNING WORK. EXTREME CARE SHALL BE TAKEN TO PROTECT THE INTEGRITY OF THE EXISTING ADJACENT CONSTRUCTION AT ALL TIMES. THE CONTRACTOR SHALL BEAR THE COST OF REPAIRS OR REPLACEMENT FOR DAMAGE TO ANY PART OF THE EXISTING CONSTRUCTION, OR ADJOINING PROPERTY.
- 2. WHERE ARCHITECTURAL DEMOLITION DRAWINGS INDICATE NEW OPENINGS IN EXISTING MASONRY PARTITIONS, PROVIDE LINTELS AS INDICATED IN THE "MASONRY" STRUCTURAL NOTES ABOVE. STEEL ANGLE LINTELS SHALL BE INSTALLED WITH THE VERTICAL LEGS INSIDE THE WALL AND THE HORIZONTAL LEGS POINTING TO THE OUTSIDE FACES OF THE WALLS. VERTICAL LEGS OF STEEL ANGLES MAY NOT BE EXPOSED AT THE FACES OF THE WALLS.

LIST OF ABBREVIATIONS

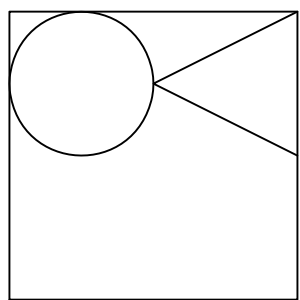
&	AND
Ø	AT
C	CENTERLINE
Ø, DIA	DIAMETER
(E), EXIST	EXISTING
(H)	HIGH
(L)	LOW
#, NO.	NUMBER
%	PERCENT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
AF&PA	AMERICAN FOREST & PAPER ASSOCIATION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BLDG	BUILDING
B.O.	BOTTOM OF
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
DEMO	DEMOLISH, DEMOLITION
DIM(S)	DIMENSION(S)
DIV	DIVISION
DWG(S)	DRAWING(S)
E.F.	EACH FACE
EL, ELEV	ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
E.W.	EACH WAY
EXT	EXTERIOR
FDN	FOUNDATION
FT	FOOT OR FEET
FTG	FOOTING
GA	GAGE
HORIZ	HORIZONTAL
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
I.D.	INSIDE DIAMETER
IN	INCH
INT	INTERIOR
JST	JOIST
JO	JOINT
LLBB	LONG LEGS BACK-TO-BACK
LLV	LONG LEG VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MTL	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
M.O.	MASONRY OPENING
NDS	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP	OPPOSITE
PL	PLATE
PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
REINF	REINFORCING, REINFORCEMENT
REOD	REQUIRED
R.O.	ROUGH OPENING
SIM	SIMILAR
SOG	SLAB ON GRADE
SPA	SPACES (SPACING)
STD	STANDARD
T&B	TOP AND BOTTOM
THRU	THROUGH
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT

LEGEND

	CONCRETE		STEEL		CMU
	GROUT		GRAVEL		SOLID CMU
	EARTH		BRICK		EXISTING

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100% Construction Documents Submission	05/15/12
95% Construction Documents Submission	04/24/12
60% Design Development Submission	12/22/11
Revisions:	Date

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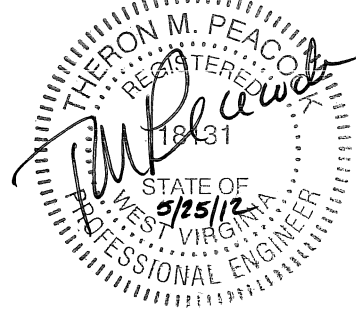
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Stamp/Seal



Drawing Title
STRUCTURAL NOTES

Approved: Project Director

Project Title
BUILDING 411A RENOVATION

Location
MARTINSBURG, WV

Date
05/25/12

Checked
TMP

Drawn
CAD

VA Project Number
613-11-107

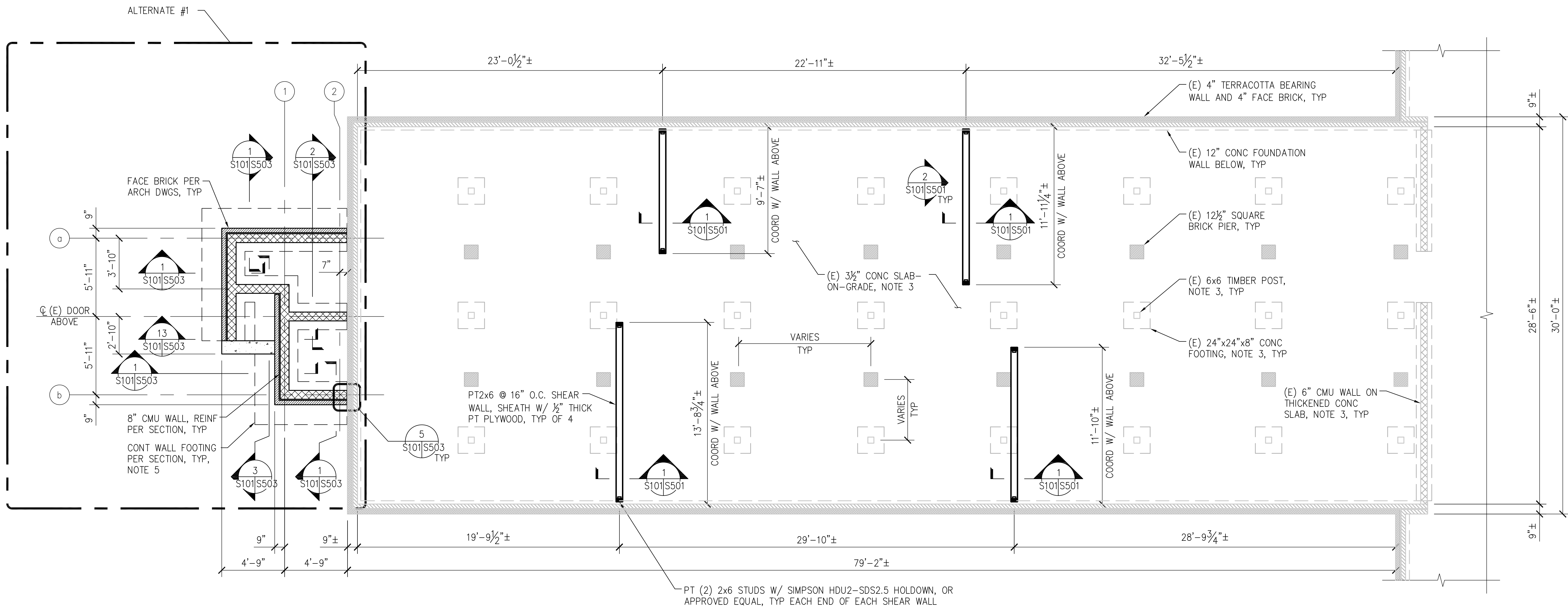
Building Number
411A

Drawing Number

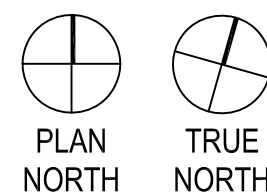
S001

Office of
Construction
and Facilities
Management





- PLAN NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING DIMENSIONS AND ELEVATIONS NOT SHOWN.
 2. SEE DETAIL 2/SS01 FOR TYPICAL WOOD FRAMED SHEAR WALL FRAMING.
 3. THE NOTED ITEMS ARE PART OF AN ON-GOING RENOVATION PROJECT THAT HAD NOT BEEN COMPLETED PRIOR TO DESIGN ACTIVITIES. VERIFY THAT THESE ITEMS HAVE BEEN COMPLETED BEFORE COMMENCING CONSTRUCTION.
 4. DO NOT PROCEED WITH CORRECTIVE OR RENOVATION WORK ABOVE UNTIL WOOD FRAMED SHEAR WALLS HAVE BEEN CONSTRUCTED.
 5. B.O. FOOTING ELEVATION TO MATCH EXISTING ADJACENT BUILDING FOOTING ELEVATION.



1 FOUNDATION PLAN
SCALE 1/4" = 1'-0"

100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
95% Construction Documents Submission	04/24/12
60% Design Development Submission	12/22/11
Revisions:	Date

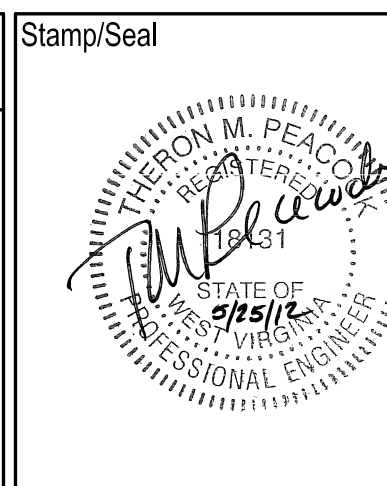
ARCHITECT / ENGINEERS:

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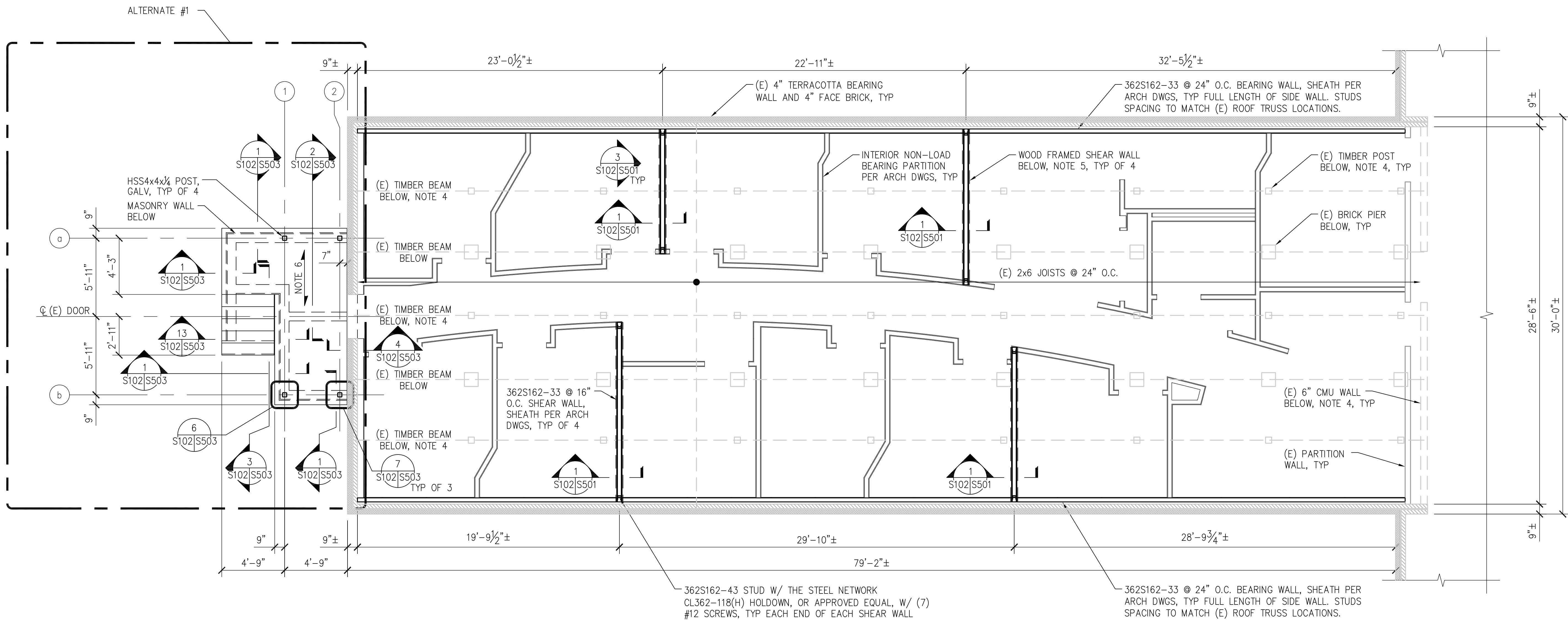
Drawing Title	FOUNDATION PLAN
Approved: Project Director	

Project Title	BUILDING 411A RENOVATION
Location	MARTINSBURG, WV
Date	05/25/12
Checked	TMP
Drawn	CAD

VA Project Number	613-11-107
Building Number	411A
Drawing Number	S101

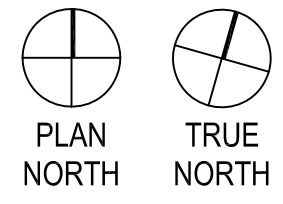
Office of
Construction
and Facilities
Management

Department of
Veterans Affairs



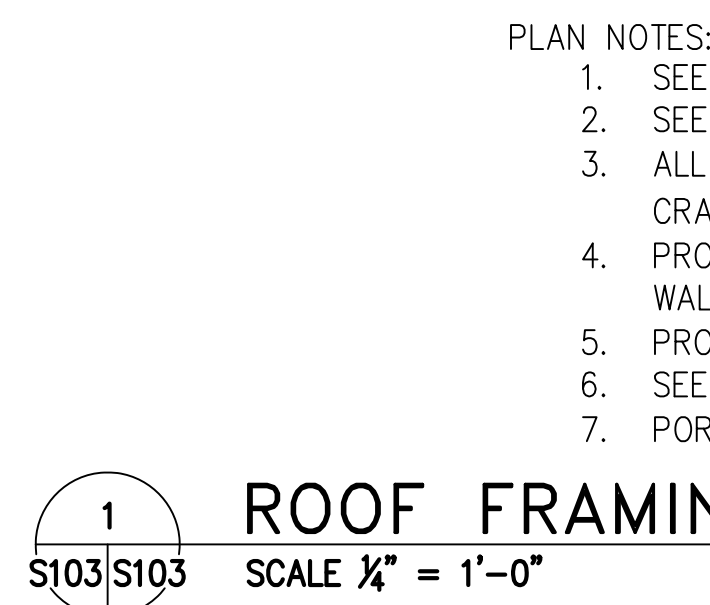
- PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING DIMENSIONS AND ELEVATIONS NOT SHOWN.
 - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND CONSTRUCTION OF INTERIOR NON-LOAD BEARING PARTITION WALLS.
 - SEE DETAIL 3/SS01 FOR TYPICAL LIGHT GAGE SHEAR WALL FRAMING.
 - THE NOTED ITEMS ARE PART OF AN ON-GOING RENOVATION PROJECT THAT HAD NOT BEEN COMPLETED PRIOR TO DESIGN ACTIVITIES. VERIFY THAT THESE ITEMS HAVE BEEN COMPLETED BEFORE COMMENCING CONSTRUCTION.
 - DO NOT PROCEED WITH CORRECTIVE OR RENOVATION WORK ON THIS LEVEL UNTIL WOOD FRAMED SHEAR WALLS BELOW HAVE BEEN CONSTRUCTED.
 - 5" THICK CONCRETE SLAB REINFORCED WITH #4 @ 12" O.C. EACH WAY, CENTERED IN SLAB. SEE ARCHITECTURAL DRAWINGS FOR T.O. SLAB ELEVATION.

1 FIRST FLOOR FRAMING PLAN
SCALE 1/4" = 1'-0"

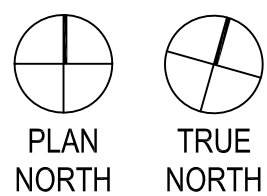


ARCHITECT / ENGINEERS:		HENRY ADAMS Consulting Engineers Mechanical Electrical & Plumbing Engineers		Henry Adams, LLC Consulting Engineers 600 Baltimore Avenue Baltimore, MD 21204 Tel: (410)296-6500 Fax: (410)296-3156		Woods Peacock Engineering Consultants 5250 Cherokee Avenue, Suite 420 Alexandria, VA 22312-2052 Tel: (703) 658-4400 Fax: (703) 658-4404		Stamp/Seal 		Drawing Title FIRST FLOOR FRAMING PLAN		Project Title BUILDING 411A RENOVATION		VA Project Number 613-11-107		Office of Construction and Facilities Management			
										Approved: Project Director		Location MARTINSBURG, WV		Building Number 411A		Department of Veterans Affairs			
												Date 05/25/12		Checked TMP		Drawn CAD			
																S102			

100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
95% Construction Documents Submission	04/24/12
60% Design Development Submission	12/22/11
Revisions:	Date



1. SEE ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING DIMENSIONS AND ELEVATIONS NOT SHOWN.
2. SEE DETAIL 1/S502 FOR TYPICAL ROOF TRUSS REPAIR DETAIL.
3. ALL DAMAGED AND/OR DETERIORATED EXISTING ROOF TRUSS MEMBERS SHALL BE REPLACED WITH 2x6 FRAMING. BASIS OF BID IS (5) BROKEN OR CRACKED 3x5" TRUSS WEB MEMBERS. CONNECTIONS FOR REPLACEMENT FRAMING SHALL BE PER THE CONNECTION DETAILS ON SHEET S502.
4. PROVIDE (C) 1.35x3.5x3/8 LBBB GALVANIZED UNF LVL MECHANICAL OPENINGS FROM 1" TO 2'-6" WIDE TO SUPPORT (E) TERRACOTTA AND FASCE BRICK ROOFING. PROVIDE (C) 1.35x3.5x3/8 LBBB GALVANIZED UNF LVL MECHANICAL OPENINGS FROM 1" TO 2'-6" WIDE TO SUPPORT (E) TERRACOTTA AND FASCE BRICK ROOFING.
5. PROVIDE HEADERS IN LIGHT GAGE WALLS PER 9/S502 FOR MECHANICAL AND WINDOW OPENINGS FROM 1'-4" TO 2'-6" WIDE.
6. SEE ARCHITECTURAL DRAWINGS FOR TRUSS BEARING ELEVATION.
7. PORCH ROOF SHEATHING SHALL BE 3/4" THICK PLYWOOD.



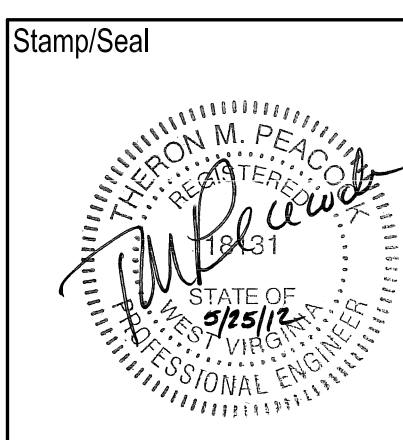
100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
95% Construction Documents Submission	04/24/12
60% Design Development Submission	12/22/11
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Fax: (703) 658-4404



Approved: Project Director

Date
05/25/12

Checked	TMR
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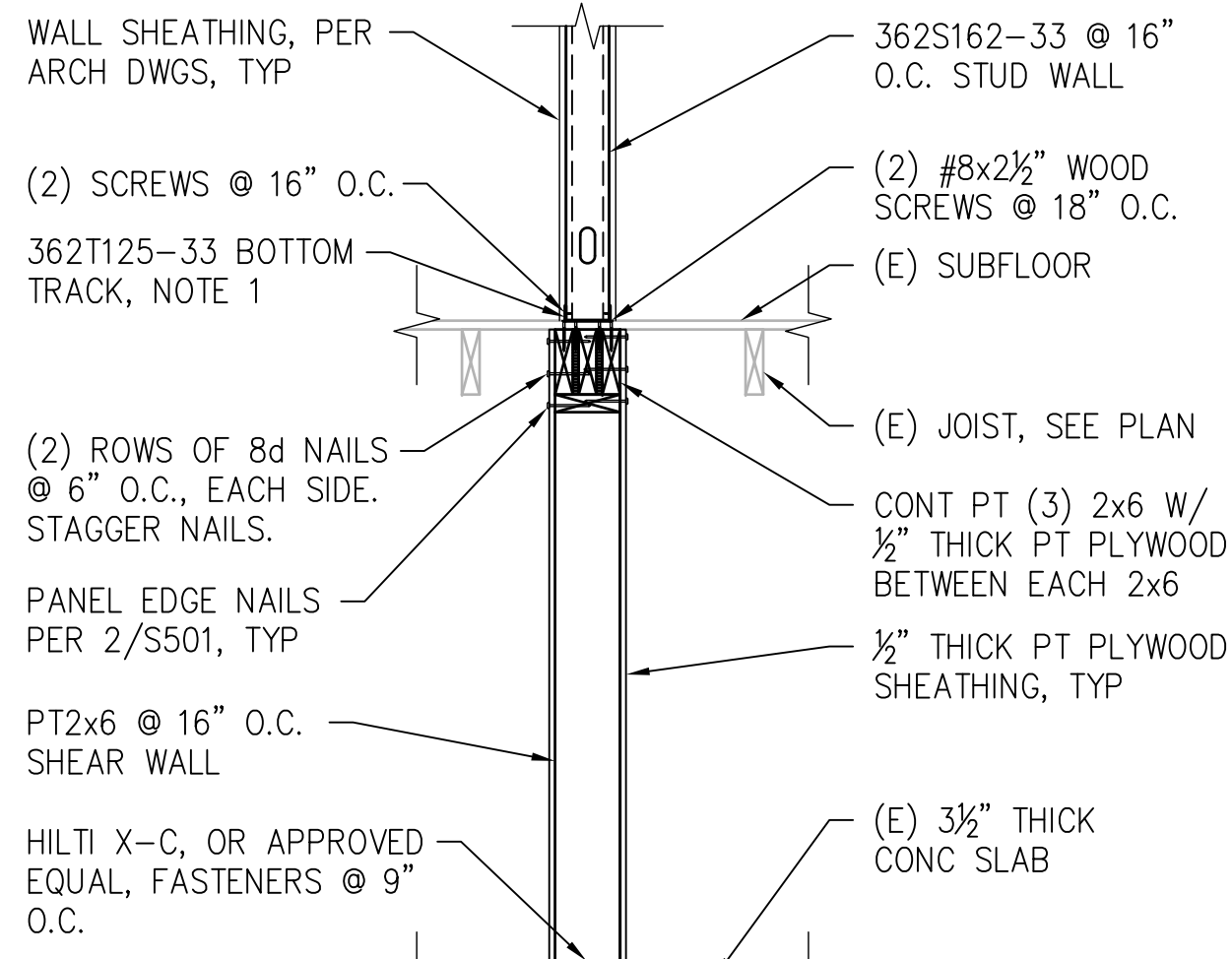
Drawn
CAD

Drawing Number

S103

Office of
Construction
and Facilities
Management

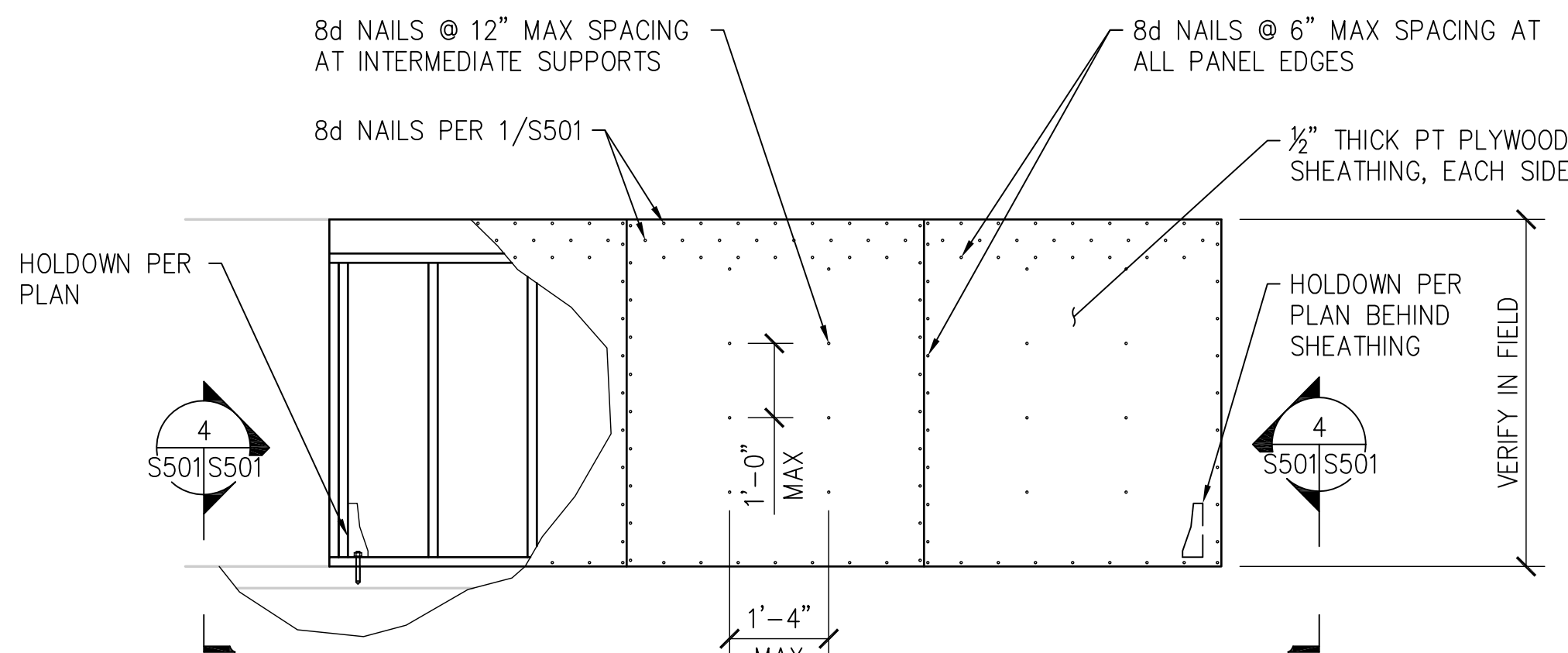




NOTES:
1. ATTACH TRACK TO SUBFLOOR WITH (2) #8x2 1/2" WOOD SCREWS @ 18" O.C. STAGGER SCREWS WITH SCREWS ATTACHING (3) 2x6 TO SUBFLOOR.

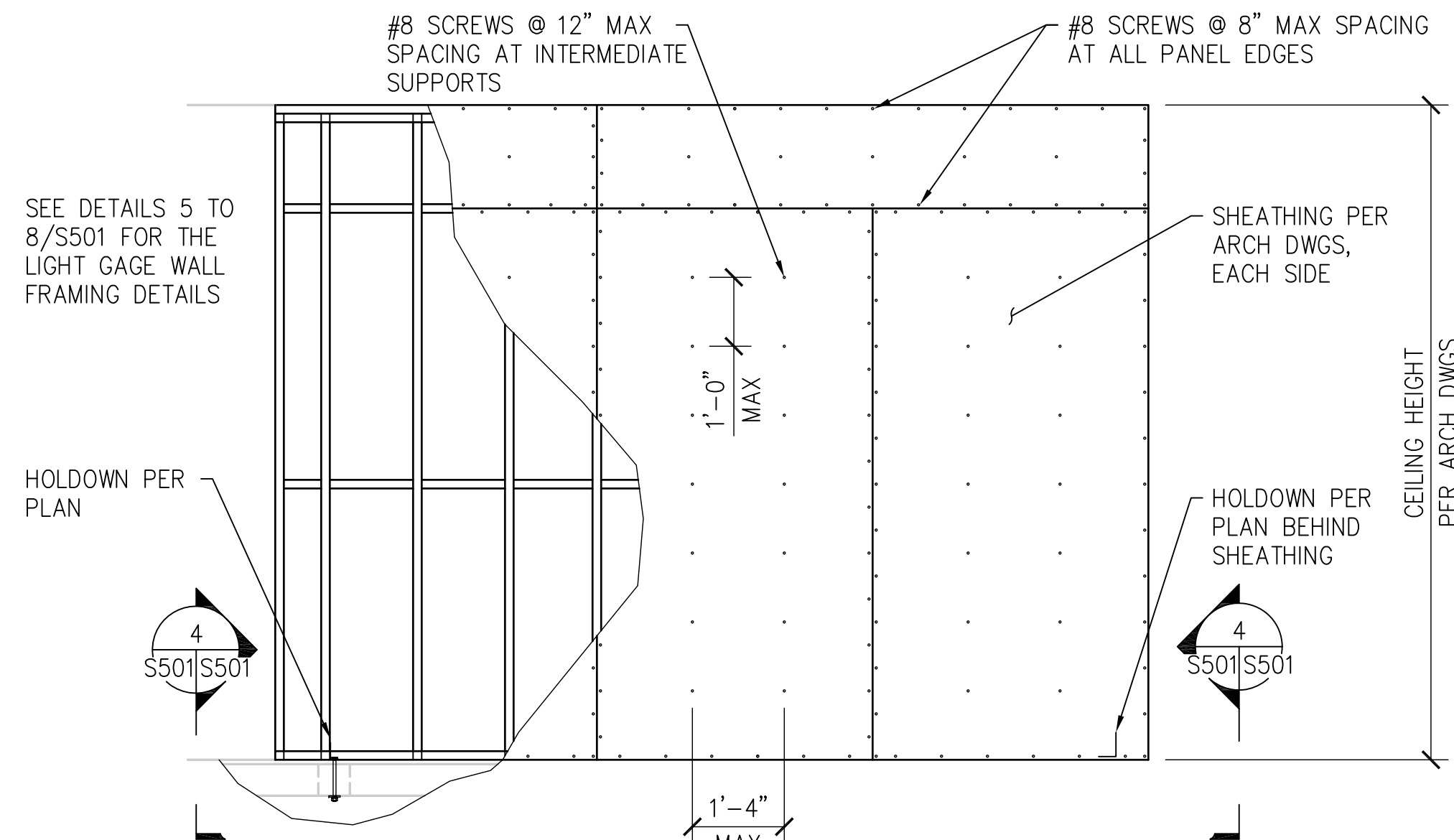
TYPICAL SHEAR WALL SECTION

1
S101,S102/S501
SCALE 3/4" = 1'-0"



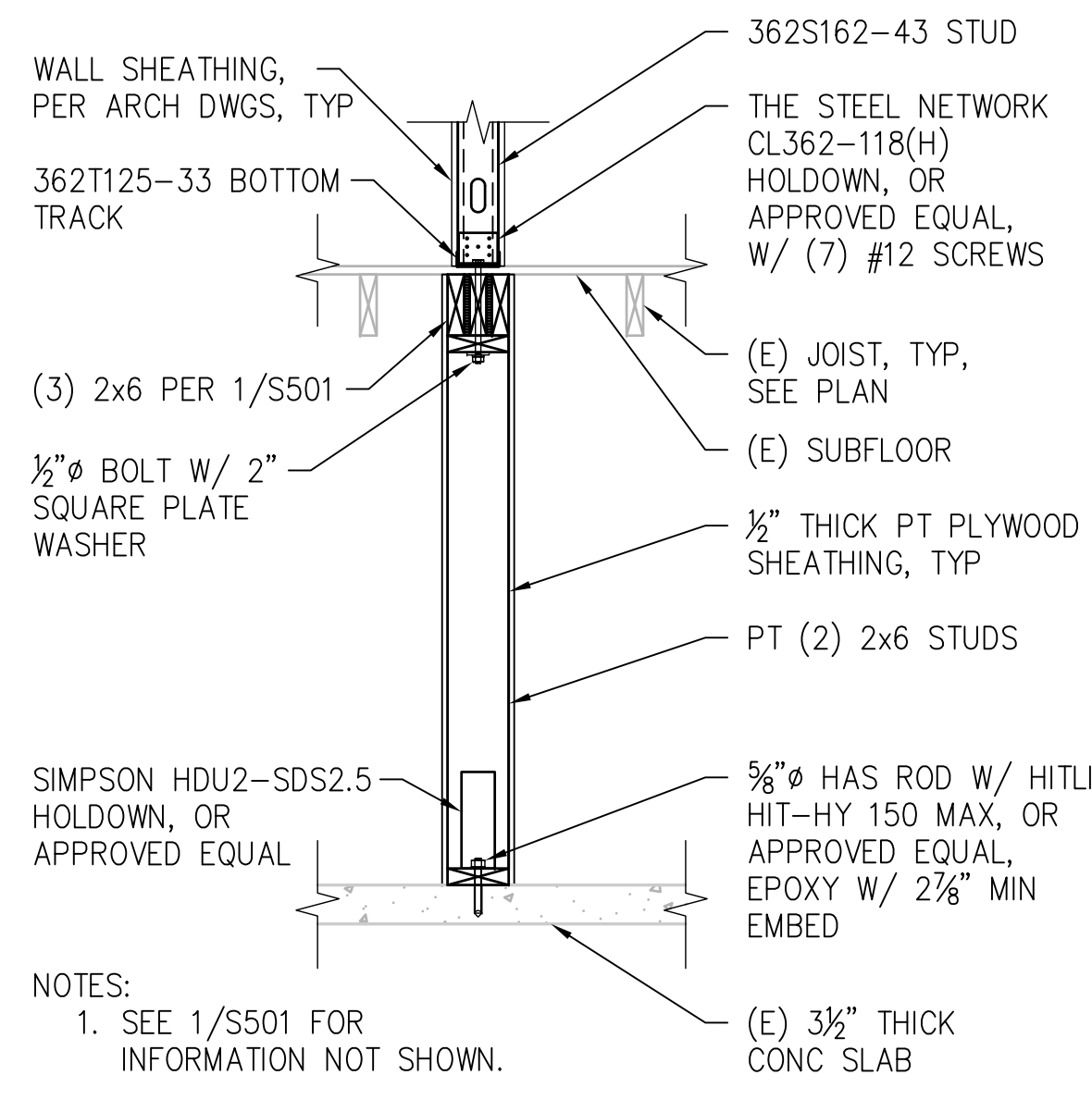
TYPICAL WOOD FRAMED SHEAR WALL ELEVATION

2
S101/S501
SCALE 1/2" = 1'-0"



TYPICAL LIGHT GAGE SHEAR WALL ELEVATION

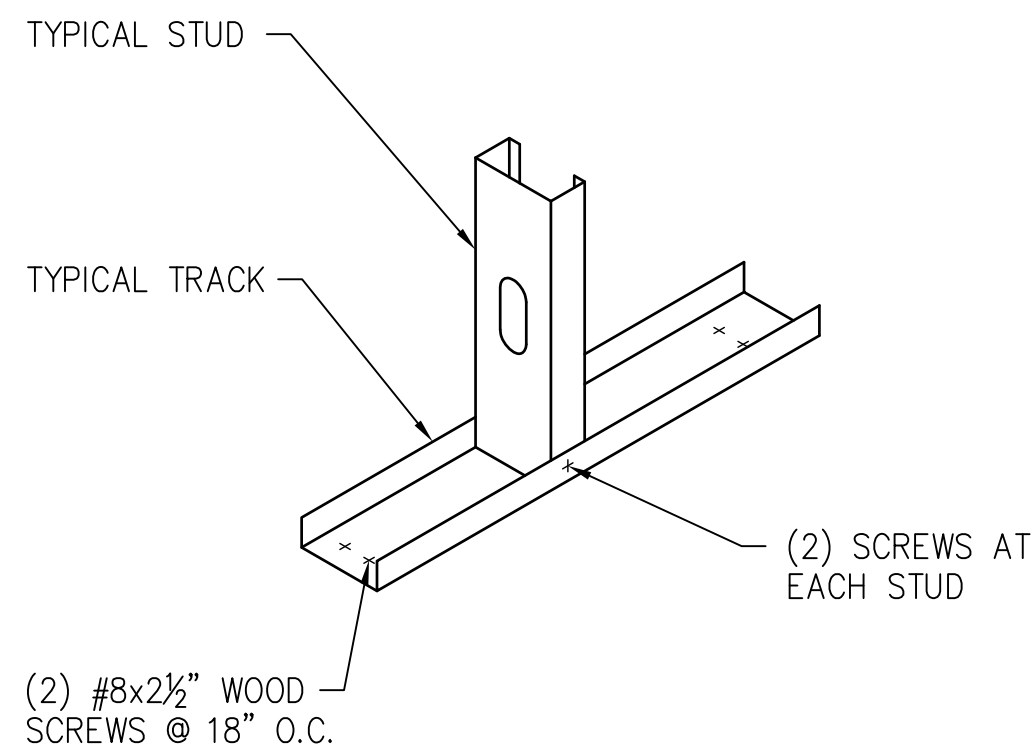
3
S102/S501
SCALE 1/2" = 1'-0"



TYPICAL SHEAR WALL ANCHORAGE DETAIL

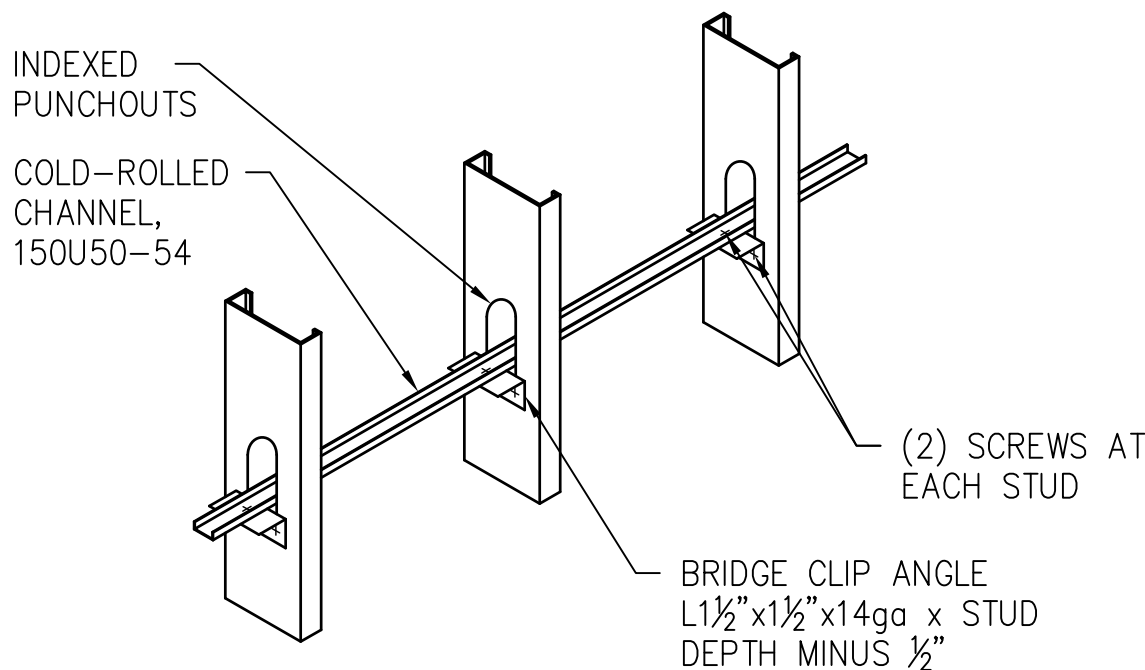
NOTES:
1. SEE 1/S501 FOR INFORMATION NOT SHOWN.

4
S501/S501
SCALE 3/4" = 1'-0"



STUD BASE DETAIL

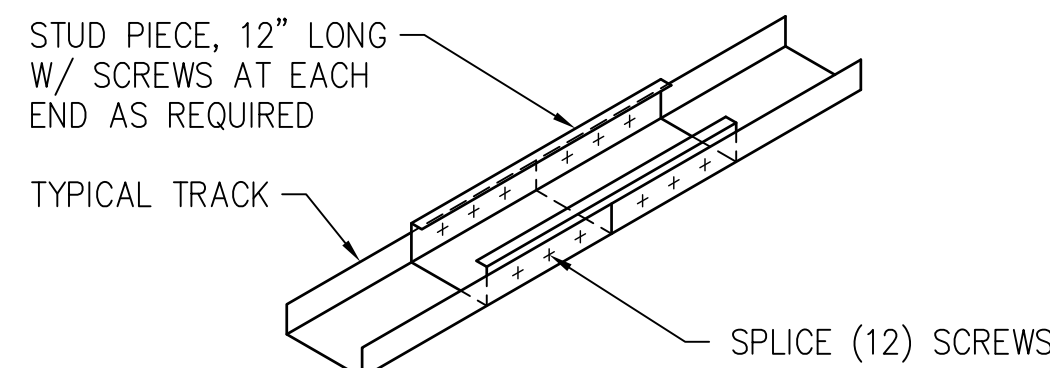
5
S501/S501
SCALE 1 1/2" = 1'-0"



NOTES:
1. CHANNEL BRIDGING TO BE LOCATED AT 48" O.C. MAXIMUM FOR FULL HEIGHT OF ALL WALLS, TYPICAL.

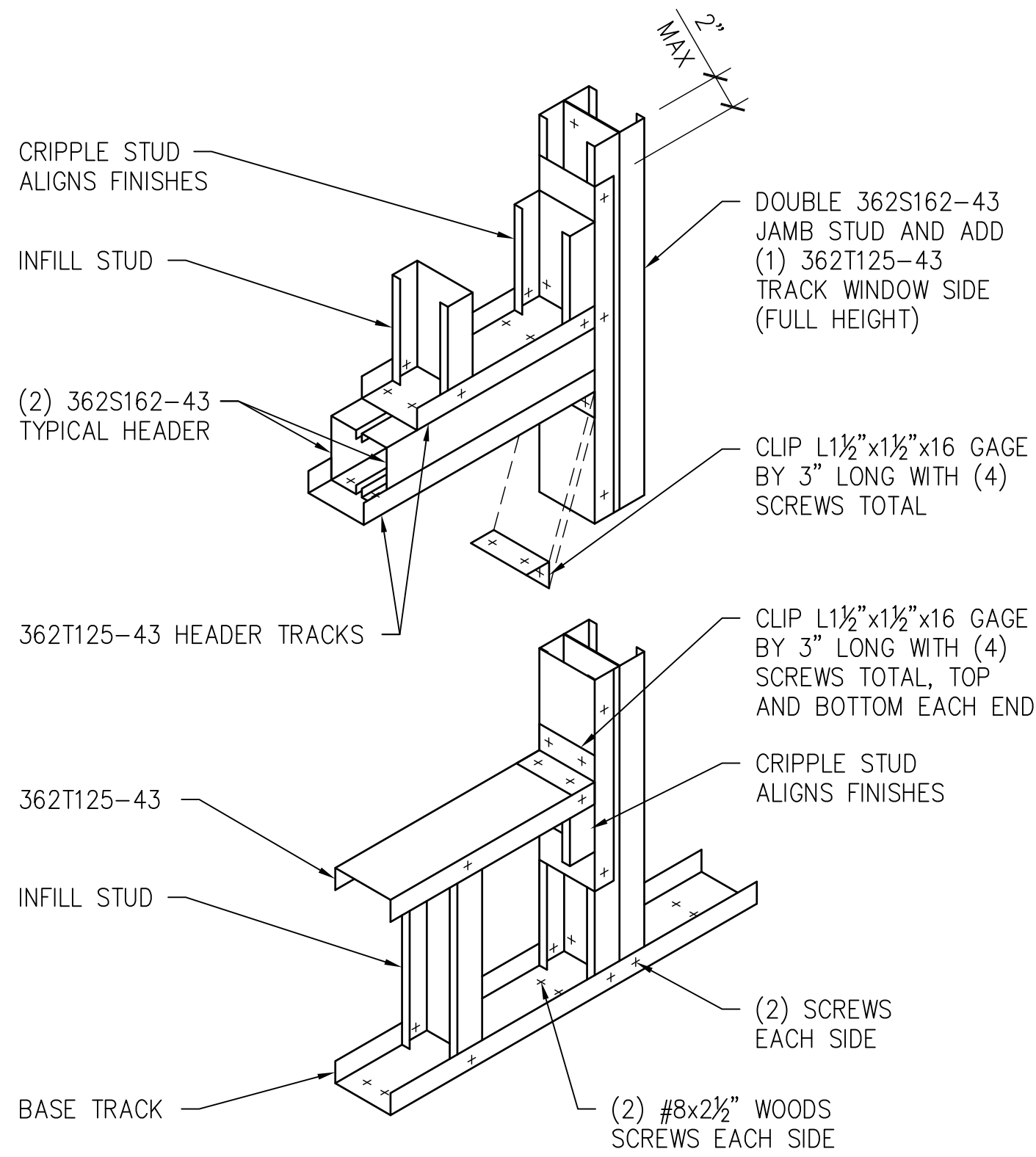
TYPICAL CHANNEL BRIDGING

6
S501/S501
SCALE 1 1/2" = 1'-0"



TRACK SPLICE CONNECTION

7
S501/S501
SCALE 1 1/2" = 1'-0"



NOTE:
1. FASTEN BUILT-UP MEMBERS TOGETHER @ 12" O.C.

TYPICAL PUNCHED OPENING FRAMING

8
S501/S501
SCALE 1 1/2" = 1'-0"

100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
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60% Design Development Submission	12/22/11
Revisions:	Date

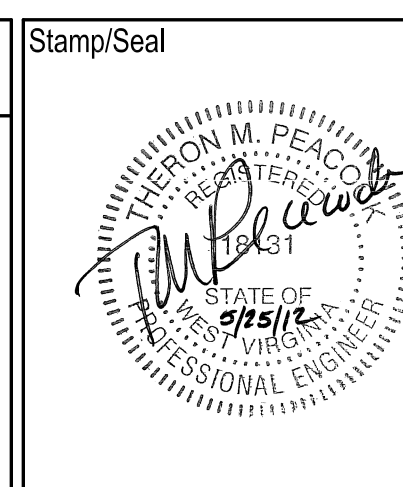
ARCHITECT / ENGINEERS:

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Drawing Title
SECTIONS AND DETAILS

Approved: Project Director

Project Title
BUILDING 411A RENOVATION

Location
MARTINSBURG, WV

Date
05/25/12

Checked
TMP

Drawn
CAD

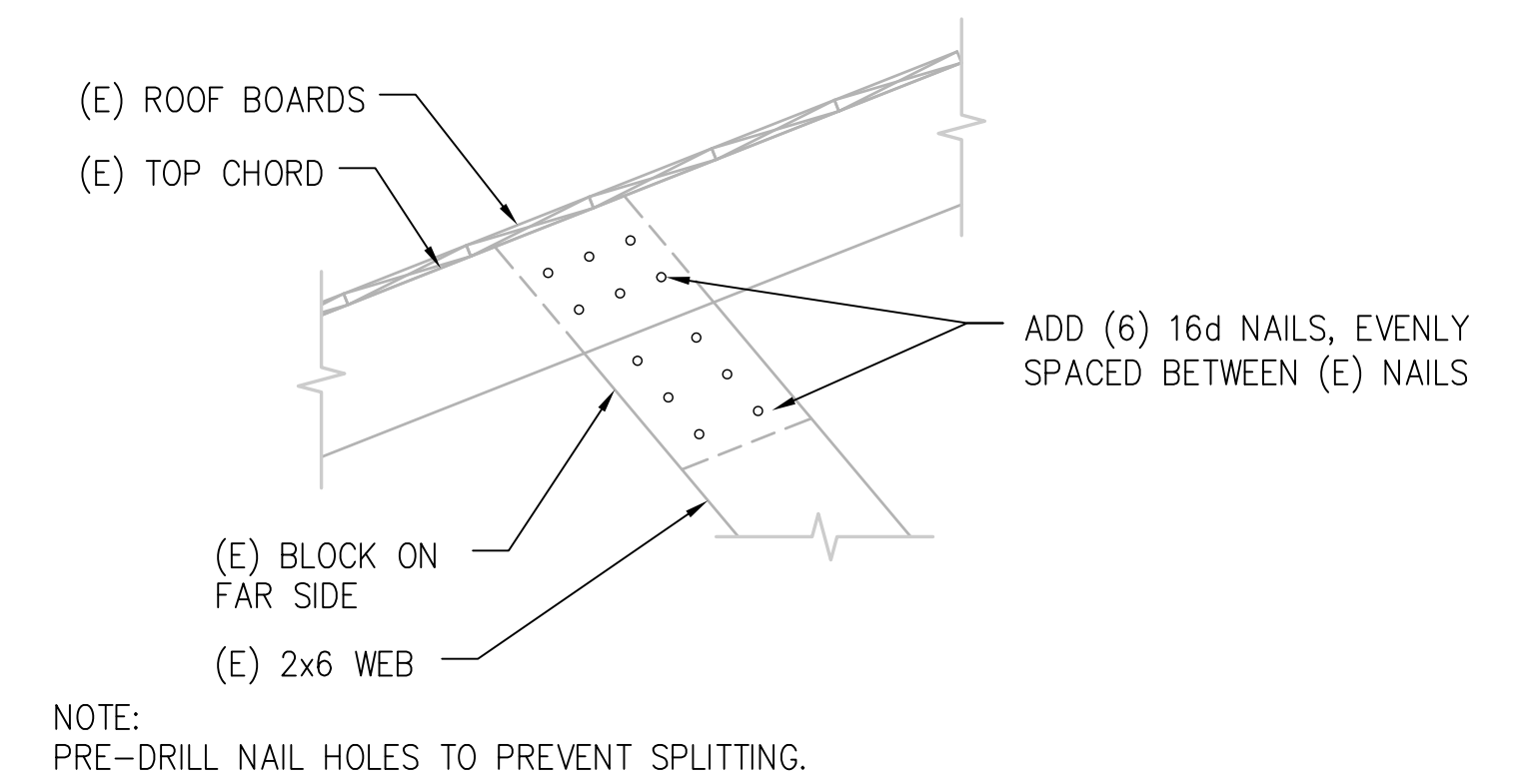
VA Project Number
613-11-107

Building Number
411A

Drawing Number
S501

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs



WEB CONNECTION AT TOP CHORD

SCALE: $1\frac{1}{2}" = 1'-0"$

- SCALE: $\frac{1}{2}" = 1'-0"$



S502 S502 SCALE: $1\frac{1}{2}" = 1'-0"$

S502 S502 SCALE: $1\frac{1}{2}" = 1'-0"$



S502 S502 SCALE: 1½" = 1'-0"

S103 S502 SCALE: $1\frac{1}{2}" = 1'-0"$



S103 | S502 SCALE: 1½" = 1'-0"



S103 S502 SCALE: $1\frac{1}{2}" = 1'-0"$



S103 S502 NOT TO SCALE



S502 S502 SCALE: 1½" : 1'-0"


**Department of
Veterans Affairs**



LEAD IN PAINT STATEMENT:
Due to the age of the 411A building, the paint within and on the outside of the building should be considered lead-containing. During the demolition, painted wood, metal, drywall, masonry and other building components may be impacted. If this occurs, the Contractor is required to fully comply with the Occupational Safety and Health Administration (OSHA) Lead in Construction standard (29 CFR 1926.62) which includes, but is not limited to training, exposure monitoring and implementing engineering controls to prevent dust dispersion to the general building environment. The Contractor shall submit documentation of worker training and their proposed dust control strategy to the government.

To ensure the effectiveness of the engineering controls, the contractor shall employ an industrial hygienist to collect perimeter air samples for lead outside of the construction area and results of this air sampling shall be provided to the VA. At the conclusion of the work, a representative sample of the waste-stream generated shall be collected and submitted for analysis by the Toxicity Characteristic Leaching Procedure (TCLP) to determine the appropriate disposal method in accordance with the Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA). All waste generated shall be maintained on site until results of the sample is determined.

GENERAL LOCATION OF ASBESTOS MATERIAL IN EXISTING FLOORS

 LINOLEUM FLOORING AND MASTIC TESTED POSITIVE FOR ASBESTOS

NOTE:
THIS INFORMATION WAS PROVIDED BY THE GOVERNMENT AND MAY NOT INCLUDE ALL ASBESTOS CONTAINING MATERIALS. FIELD VERIFY. IF ANY ADDITIONAL MATERIAL IS ENCOUNTERED APART FROM THESE AREAS AND IS BELIEVED TO BE OF ASBESTOS CONTAINING NOTIFY THE COTR BEFORE PROCEEDING.

SITE DEMOLITION NOTE:
REFER TO MECHANICAL DRAWINGS FOR LOCATION. STRIP AND REMOVE TOPSOIL PRIOR TO EXCAVATION FOR GEOTHERMAL WELL DRILLING AND OTHER CONSTRUCTION WORK AFFECTING GROUNDS. HAUL AWAY FROM SITE AND PROPERLY DISPOSE OF ALL UNSUITABLE FILLING. RESTORE TOPSOIL AND SITE TO ORIGINAL SLOPE AND ELEVATION. RE-SEED, SPREAD STRAW AND WATER.

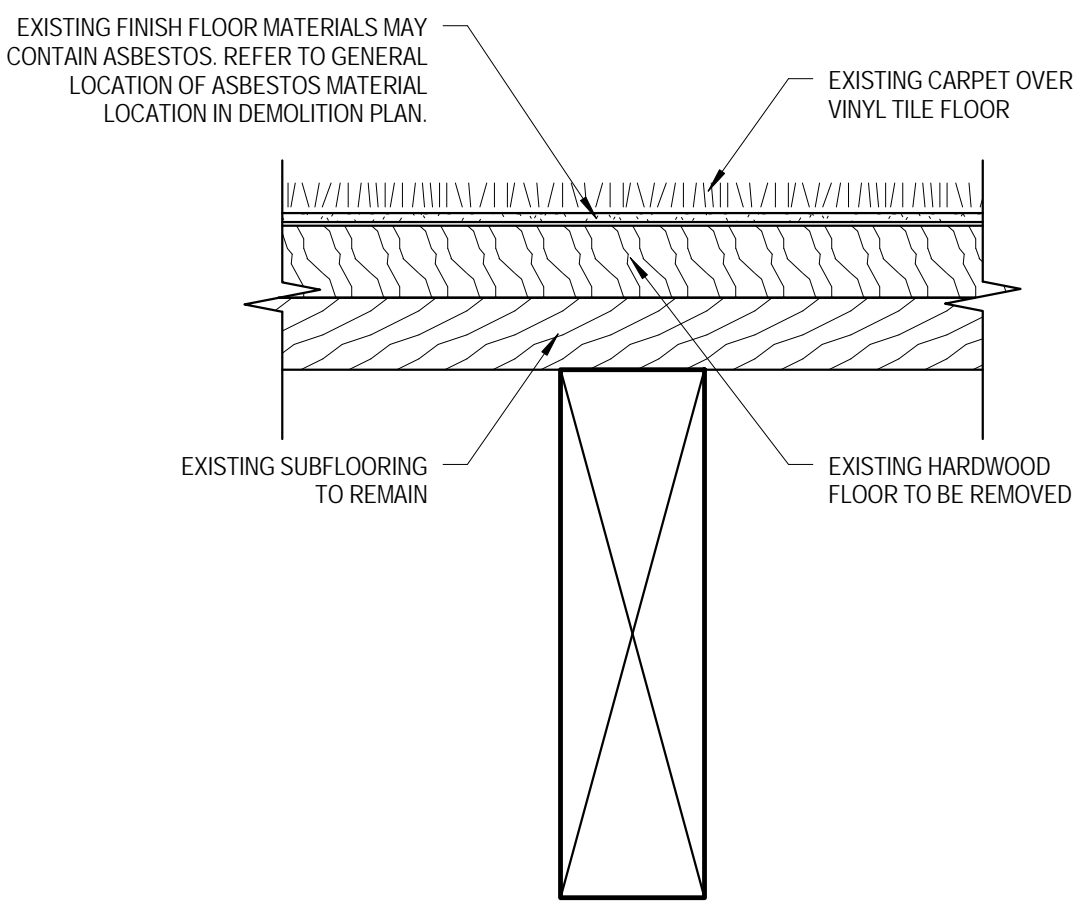
GENERAL DEMOLITION NOTES:

- A. ALL ITEMS DESIGNATED ON PLAN BY DASHED LINE ARE EXISTING ELEMENTS TO BE REMOVED. THIS DRAWING INDICATES AREAS OF DEMOLITION. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OTHER DEMOLITION, INCLUDING MODIFICATIONS THAT MAY EXTEND BEYOND AREAS SHOWN. THIS SHALL INCLUDE ANY NECESSARY DEMOLITION ON FLOORS ABOVE OR BELOW REQUIRED FOR INSTALLATION OF WORK ON THIS FLOOR.
- B. DURING DURATION OF PROJECT, PROTECT EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN FROM DAMAGE BY DEMOLITION OR CONSTRUCTION ACTIVITIES. WHERE DEMOLITION OR CONSTRUCTION ACTIVITIES RESULT IN DAMAGE TO EXISTING CONSTRUCTION TO BE RETAINED, REPLACE/REPAIR EXISTING CONSTRUCTION TO RETURN IT TO ITS ORIGINAL CONDITION. WHERE REMOVAL OF EXISTING CONSTRUCTION, PIPING, DUCTWORK, AND OTHER ITEMS CREATES OPENINGS IN THE WALLS, FLOORS OR CEILINGS, PATCH OPENINGS IMMEDIATELY WITH SAME MATERIALS AS ADJACENT CONSTRUCTION. MAINTAIN REQUIRED FIRE-RATINGS.
- C. FURNISH AND INSTALL FULL HEIGHT TEMPORARY CONSTRUCTION BARRIERS WHERE REQUIRED TO PREVENT DUST POLLUTION OF SURROUNDING OCCUPIED AREAS. SEAL AIR TIGHT. PARTITIONS MUST BE INSTALLED IN ACCORDANCE WITH FIRE PROTECTION AND EGRESS REQUIREMENTS. MAINTAIN MEANS OF EGRESS ACCESS TO EXITS DURING CONSTRUCTION.
- D. THIS DRAWING SHOWS SIGNIFICANT ARCHITECTURAL ITEMS OF EXISTING CONSTRUCTION. EXISTING ITEMS NOT SHOWN OR NOTED, INCLUDING WALL-MOUNTED SPECIALTIES, SHALL BE REMOVED.
- E. PROVIDE CONTINUOUS EXHAUST TO EXTERIOR TO MAINTAIN NEGATIVE PRESSURE IN CONSTRUCTION AREA.
- F. COORDINATE WITH OWNER FOR EQUIPMENT TO BE SALVAGED AND RETURNED TO OWNER.
- G. INSTALL ADHESIVE MATS INSIDE AND OUTSIDE EACH ACCESS DOOR TO CONSTRUCTION AREA.
- H. REFER TO MEP DRAWINGS FOR REPLACEMENT OF MECHANICAL EQUIPMENT AND DUCTWORK.
- I. REFER TO MEP DRAWINGS FOR REPLACEMENT OF MECHANICAL EQUIPMENT AND DUCTWORK.

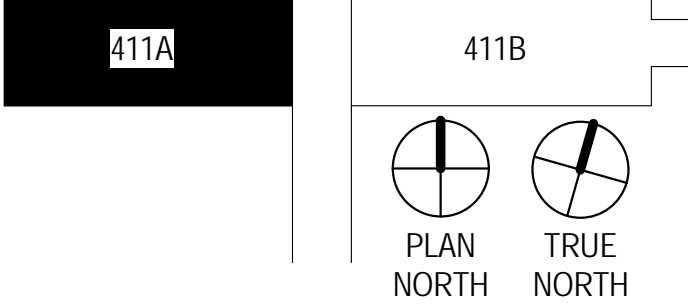
KEYED DEMOLITION NOTES

- 1 REMOVE EXISTING PARTITION SHOWN DASHED.
- 2 REMOVE EXISTING EXTERIOR WALL. FURRING SHOWN DASHED DOWN TO EXISTING BLOCK.
- 3 REMOVE EXISTING DOOR FRAME, HARDWARE, AND ALL DEVICES ATTACHED.
- 4 REMOVE A PORTION OF EXISTING PARTITION TO PROVIDE AN OPENING FOR NEW DOOR ASSEMBLY.
- 5 REMOVE EXISTING DOOR FRAME, HARDWARE, AND ALL DEVICES ATTACHED. PROVIDE NEW DOOR AND FRAME ASSEMBLY FOR EXISTING OPENING.
- 6 REMOVE EXISTING CASEWORK.
- 7 REMOVE EXISTING WALL CABINETS AND SOFFIT ABOVE.
- 8 REMOVE PLUMBING FIXTURES SHOWN DASHED. REFER TO PLUMBING DRAWINGS.
- 9 REMOVE EXISTING RADIATOR AND TURN OVER TO THE VA.
- 10 REMOVE AND DISPOSE OF EXISTING WINDOW AIR CONDITION UNIT AND TURN OVER TO THE VA.
- 11 REMOVE EXISTING WINDOW, FRAME AND TRIM. EXISTING WINDOW SEALANT IS OF ASBESTOS CONTAINING MATERIAL. CONTRACTOR TO FOLLOW REMOVAL PROCEDURES DETAILED ON SPECIFICATIONS.
- 12 REMOVE EXISTING HARDWOOD FLOORS DO NOT REMOVE STRUCTURAL SUBFLOORING AND PREPARE SURFACE TO RECEIVE NEW FLOOR SYSTEM.
- 13 REMOVE EXISTING VCT FLOORS, OR CARPET OVER VCT FLOOR. DO NOT REMOVE STRUCTURAL SUBFLOORING AND PREPARE SURFACE TO RECEIVE NEW FLOOR SYSTEM. EXISTING FLOORING MAY BE OF ASBESTOS CONTAINING MATERIAL. REFER TO SHADDED AREAS FOR REFERENCE. CONTRACTOR TO FOLLOW ASBESTOS REMOVAL PROCEDURES DETAILED ON SPECIFICATIONS. ALL MASTIC ASSOCIATED WITH ASBESTOS CONTAINING FLOOR FINISHES SHALL BE CONSIDERED ASBESTOS CONTAINING GASTIC AND REMOVED ACCORDINGLY.
- 14 REMOVE AND DISPOSE EXISTING FIBERGLASS INSULATION AND GYPSUM BOARD CEILING AND REPLACE WITH 1/2" TYPE "X" CEILING GYPSUM BOARD.
- 15 REMOVE THRU WALL EXHAUST FAN AND INFILL WITH NEW MASONRY TO MATCH ADJACENT CONSTRUCTION.

1 FIRST FLOOR - DEMOLITION PLAN
1/4" = 1'-0"



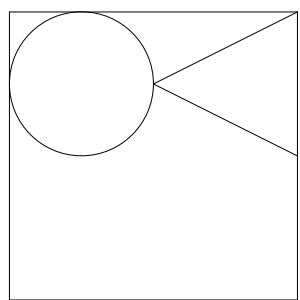
1A EXISTING FLOOR ASSEMBLY DETAIL
6" = 1'-0"



KEY PLAN
1" = 50'-0"

100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
95% Construction Documents Submission	04/24/12
60% Design Development Submission	12/22/11
Revisions:	Date

ARCHITECT / ENGINEERS:



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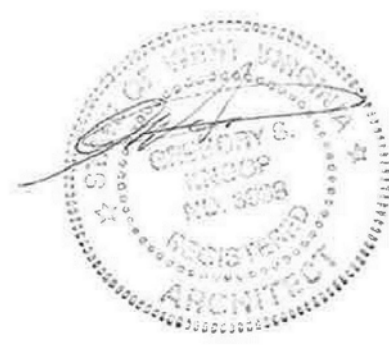
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Stamp/Seal



Drawing Title
FIRST FLOOR - DEMOLITION PLAN

Approved: Project Director

Project Title
BUILDING 411A RENOVATION

Location
MARTINSBURG, WV

Date
05/25/12

Checked
TOS

Drawn
ROS

VA Project Number
613-11-107

Building Number
411A



Drawing Number

AD100

Office of
Construction
and Facilities
Management

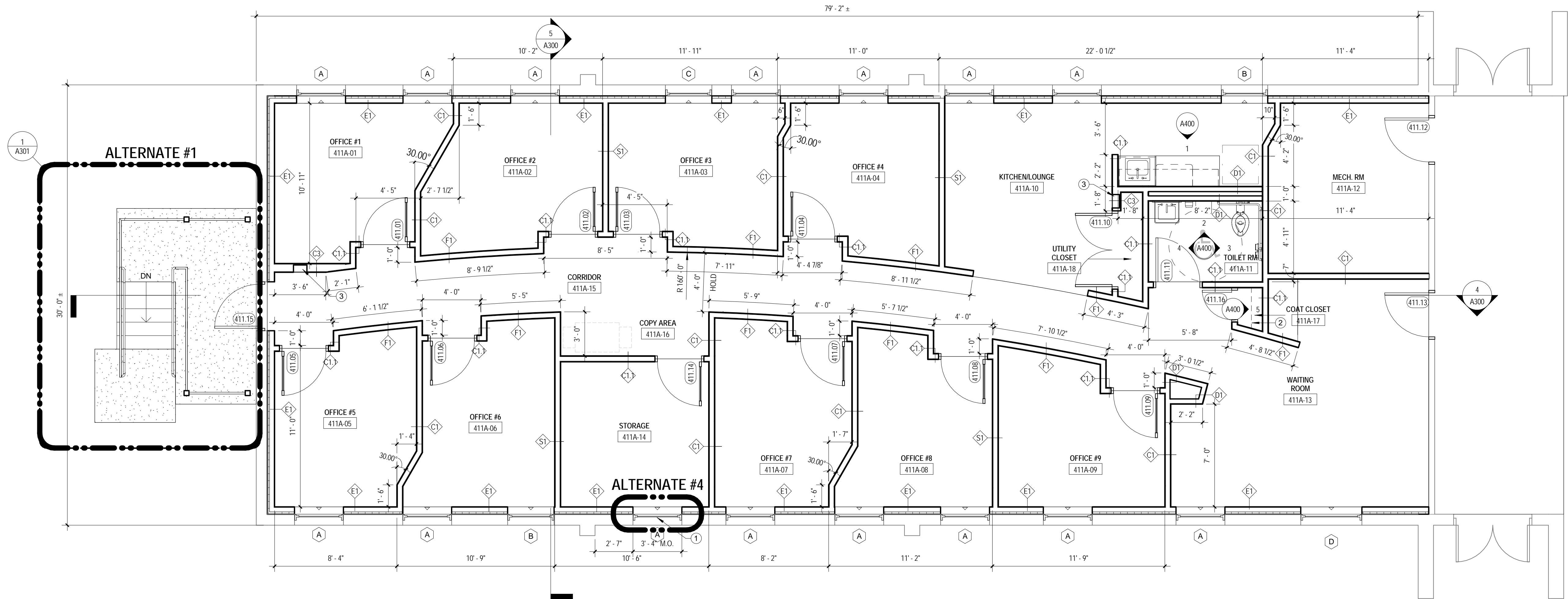


GENERAL ARCHITECTURAL NOTES:

- A. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY THE ARCHITECT AND/OR PROJECT OFFICER OF ANY DISCREPANCIES PRIOR TO FINALIZING BID. ANY EXISTING IN-PLACE CONDITIONS THAT WOULD EFFECT THE EXECUTION OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR PROJECT OFFICER PRIOR TO COMMENCING THE WORK.
- B. ALL DIMENSIONS GIVEN ON PLANS ARE FROM FINISHED FACE TO FINISHED FACE UNLESS OTHERWISE NOTED. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE COTR UNLESS NOTED.
- C. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ADEQUATE BLOCKING IN WALLS AS REQUIRED TO SUPPORT WALL MOUNTED ITEMS. COORDINATE WITH EQUIPMENT AND FURNISHINGS PLANS.
- D. GENERAL CONTRACTOR SHALL PROVIDE PROTECTION OF EXISTING FINISHES AND/OR GOVERNMENT PROPERTY DESIGNATED TO REMAIN OR BE SALVAGED. THE CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITIONS ANY AREAS OR FINISHES DAMAGED BY HIS WORK, AT HIS OWN EXPENSE. CONTRACTOR SHALL REMOVE MEANS OF PROTECTION AT THE END OF THE PROJECT.
- E. GENERAL CONTRACTOR SHALL TAKE ALL REASONABLE CONTROL AND PRECAUTION TO ELIMINATE DUST, NOISE AND ODORS FROM PREMISES AND TO COORDINATE CONSTRUCTION OF THE WORK TO MINIMIZE THE DISRUPTION AND HAZARD TO OCCUPANTS, PROPERTY, ETC.
- F. CONSTRUCTION WORK WHICH INVOLVES EXCESSIVE NOISE OR VIBRATION THAT WILL DISRUPT THE BUILDING OCCUPANTS SHALL BE PERFORMED BETWEEN THE HOURS OF 6:30 AM & 7:00 PM AND ON WEEKENDS.
- G. THE GOVERNMENT SHALL MAINTAIN FULL OCCUPATION OF THE AREAS ADJACENT TO THOSE INVOLVED IN THIS CONTRACT. THE CONTRACTOR SHALL SCHEDULE ANY WORK IMPACTING ON OCCUPIED AREAS WITH THE PROJECT OFFICER AND USER.
- H. THE CONTRACTOR WILL NOT BE ALLOWED ANY STORAGE AREA OTHER THAN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE STORAGE OF THE MATERIALS AND HIS WORK EFFORT TO MINIMIZE THE DISRUPTION AND HAZARD TO PERSONNEL.
- I. REFER TO SHEET (A300) FOR INTERIOR PARTITION TYPES. 
- J. REFER TO SHEET (A300) FOR DOOR SCHEDULE. 

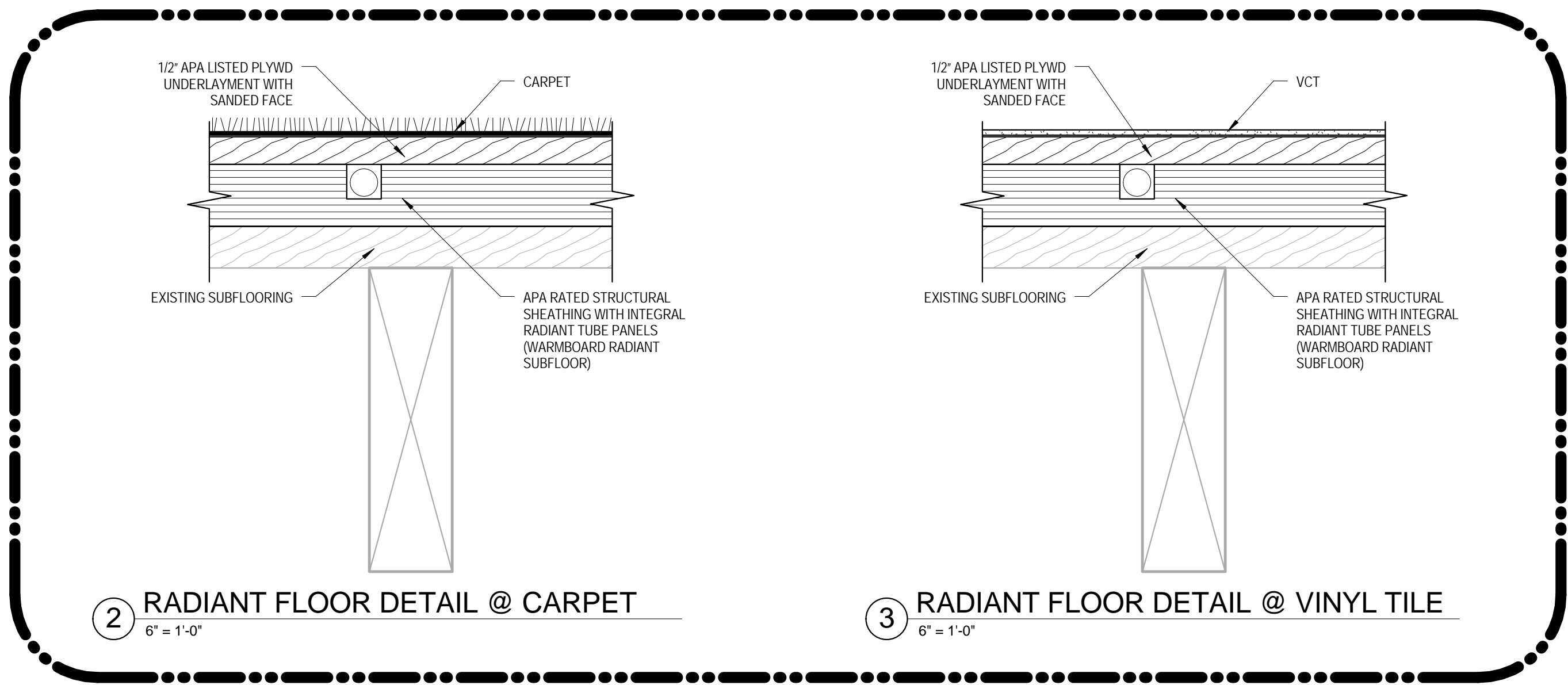
ARCHITECTURAL KEY NOTES:

- 1 NEW WINDOW TO MATCH EXISTING ADJACENT WINDOW SIZE (ALTERNATE #4)
- 2 12" DEEP SHELF & POLE
- 3 RECESSED WALL MOUNTED FIRE EXTINGUISHER CABINET



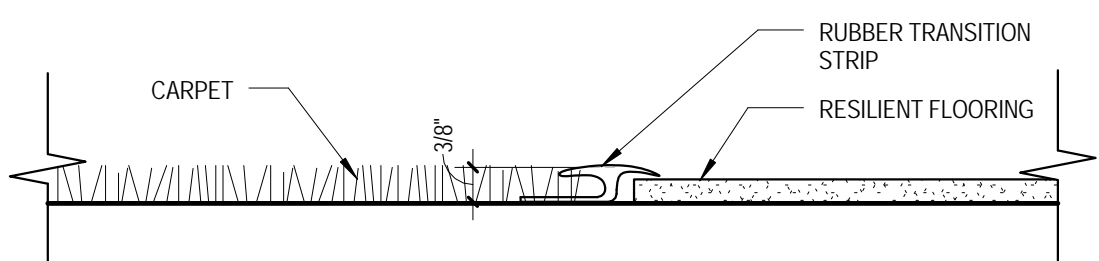
1 FIRST FLOOR - NEW WORK PLAN
1/4" = 1'-0"

ALTERNATE #3

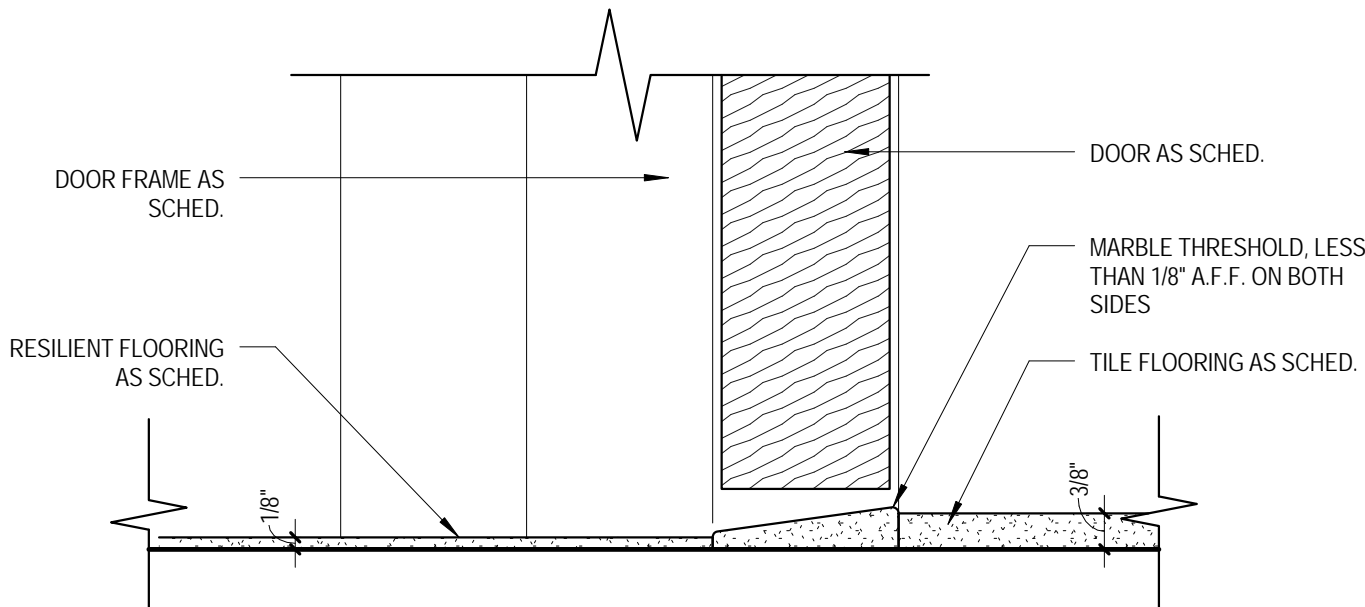


2 RADIANT FLOOR DETAIL @ CARPET
6" = 1'-0"

3 RADIANT FLOOR DETAIL @ VINYL TILE
6" = 1'-0"

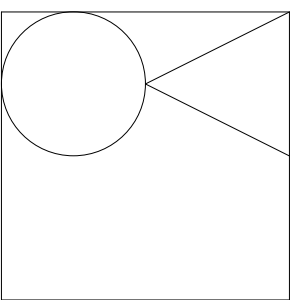


4 CARPET TO FLOOR TRANSITION
6" = 1'-0"



5 MARBLE THRESHOLD
6" = 1'-0"

ARCHITECT / ENGINEERS:



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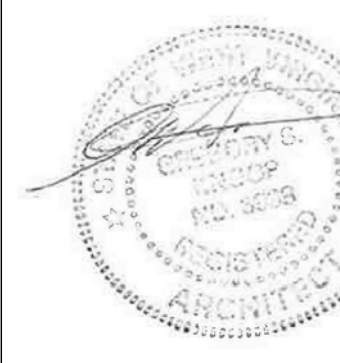
HENRY ADAMS
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Stamp/Seal



Drawing Title
FIRST FLOOR - NEW WORK PLAN

Approved: Project Director

Project Title
**BUILDING 411A
RENOVATION**

Location
MARTINSBURG, WV

Date
05/25/12

Checked
TOS

Drawn
ROS

VA Project Number
613-11-107

Building Number
411A

Drawing Number

A100

Office of
Construction
and Facilities
Management



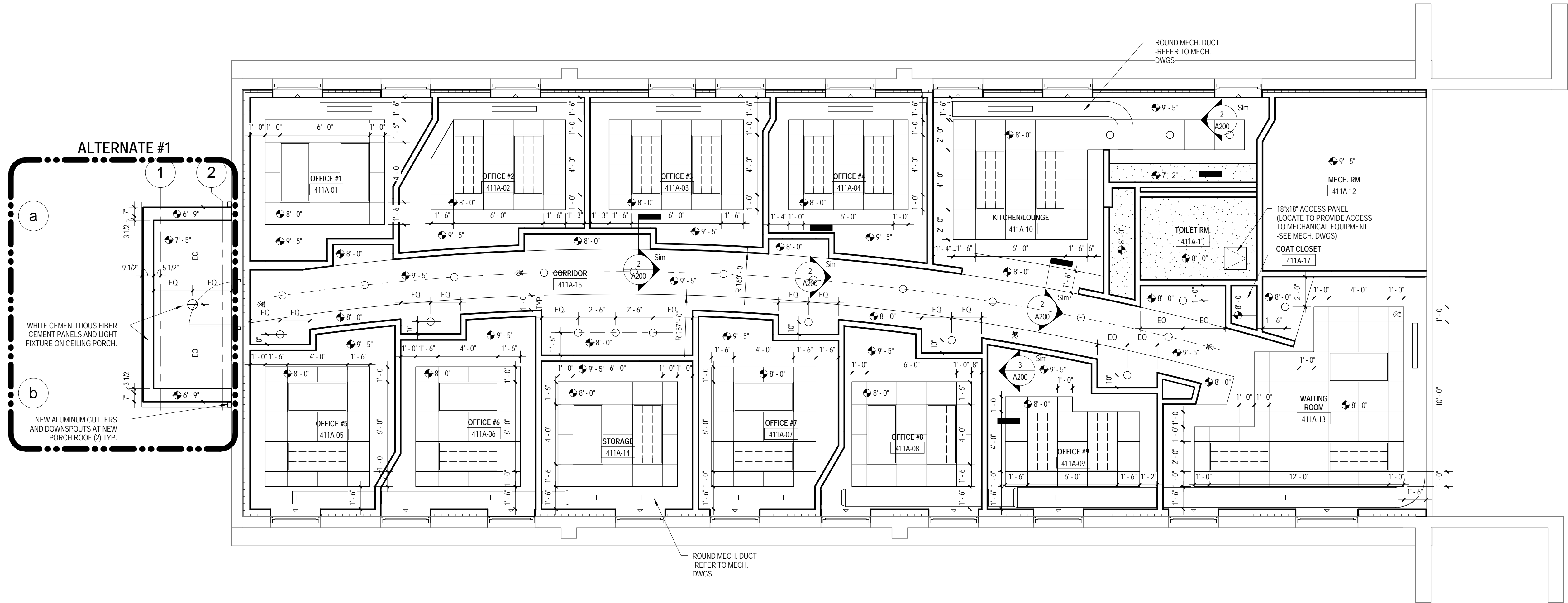
100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
95% Construction Documents Submission	04/24/12
60% Design Development Submission	12/22/11
Revisions:	Date

GENERAL REFLECTED CEILING NOTES:

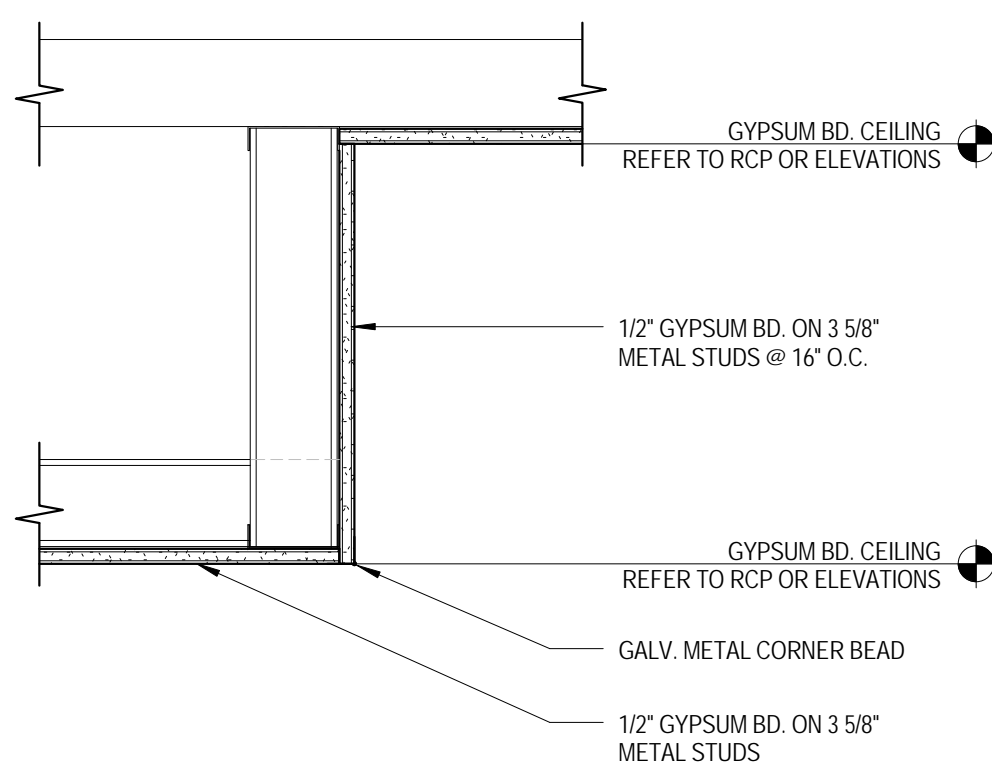
- A. IN CASE DISCREPANCIES IN THE LOCATION OF CEILING MOUNTED COMPONENTS WITH THE ENGINEERING DRAWINGS, THE REFLECTED CEILING PLAN SHALL GOVERN. IN CASE DISCREPANCIES WHERE THIS CAN NOT BE ACHIEVED, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO CONTINUATION OF WORK.
- B. ALL ACOUSTICAL CEILING GRIDS SHALL BE CENTERED AS SHOWN IN ROOM OR DEFINED BOUNDARY UNLESS DIMENSIONED OR NOTED OTHERWISE. ALL SPRINKLER HEADS AND DOWNLIGHTS SHALL BE IN CENTER OF CEILING PANELS UNLESS DIMENSIONED OR NOTED OTHERWISE.
- C. IF UNDIMENSIONED, ALL DEVICES LOCATED WITHIN ACOUSTICAL CEILING TILES, GYPSUM BOARD CEILINGS, OR SOFFITS SHALL BE CENTERED. UNLESS OTHERWISE NOTED (UON), MULTIPLE DEVICES SHALL FOLLOW THE GRAPHIC DEPICTION ON THE DRAWINGS AS CLOSELY AS POSSIBLE, ALIGNING DEVICES WITH RESPECT TO ONE ANOTHER AND SPACING EVENLY AS SHOWN.
- D. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING LIGHT FIXTURE TYPES, FIRE ALARM DEVICES, SMOKE DETECTORS AND SPECIAL SYSTEMS CEILING MOUNTED DEVICES LOCATIONS.
- E. SEE HVAC DRAWINGS FOR HVAC DIFFUSER AND GRILLE SIZES AND TYPES.
- F. WHERE REQUIRED IN ORDER TO COMPLETE ABOVE CEILING WORK, TEMPORARILY REMOVE EXISTING ACOUSTICAL TILE CEILINGS TO REMAIN. RETURN TO ORIGINAL CONDITION FOLLOWING COMPLETION OF ABOVE CEILING WORK. REPLACE HARD CEILING THAT REQUIRE REMOVAL AND FURNISH AND INSTALL NEW ACCESS PANELS BELOW ITEMS REQUIRING MAINTENANCE. PAINT ACCESS PANELS TO MATCH ADJACENT FINISH.
- G. REFER TO FINISH PLAN AND FINISH LEGEND FOR CEILING MATERIAL SPECIFICATIONS.
- H. ALL HEIGHTS SHOWN ARE TO BOTTOM OF GRID SYSTEM OR GYPSUM BOARD ABOVE FINISHED FLOOR (AFF) UNLESS OTHERWISE NOTED.
- I. THE HORIZONTAL SURFACE OF ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. THE VISIBLE VERTICAL FACES OF GYPSUM BOARD SOFFITS SHALL BE FINISHED PER TAGS ON RCP (UON). SEE FINISH LEGEND ON INTERIOR SHEETS FOR ADDITIONAL INFORMATION.
- J. ANY EXISTING AREAS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED TO RETURN THEM TO THEIR ORIGINAL CONDITION OR BETTER.

REFLECTED CEILING PLAN LEGEND:

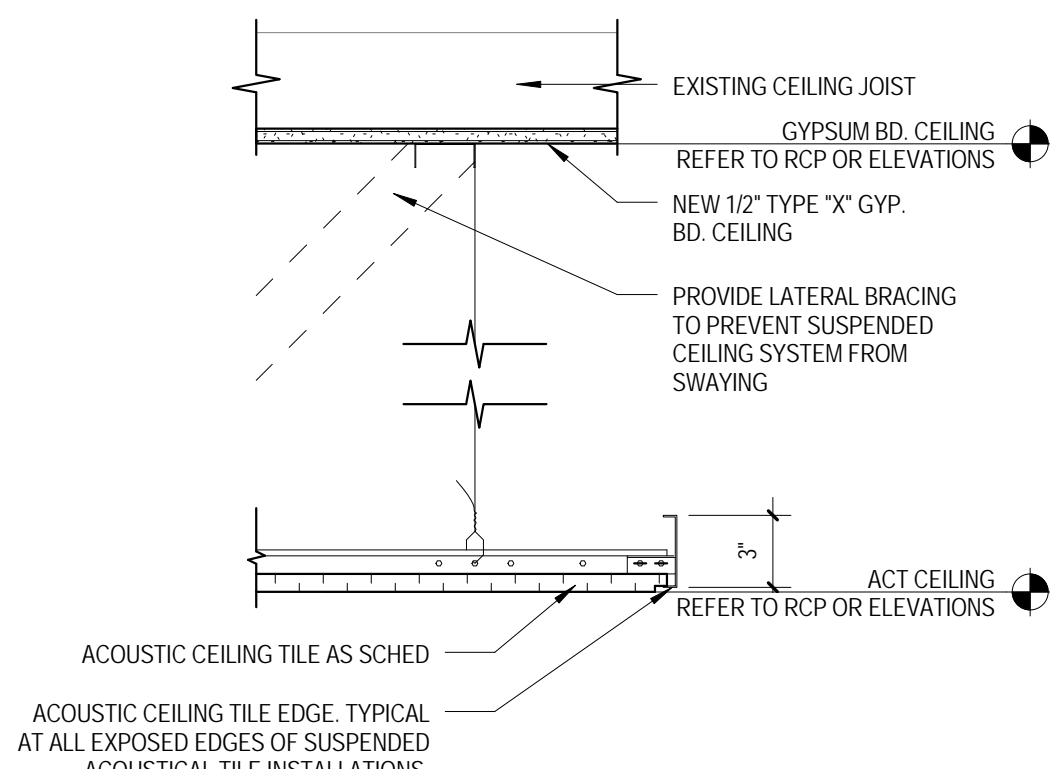
- 2x2 LAY-IN ACOUSTICAL CEILING
- GYPSUM BOARD CEILING/SOFFT
- 2x4 LAY-IN LED FIXTURE
- 2x2 LAY-IN LED FIXTURE
- RECESSED DOWNLIGHT
- SPRINKLER HEAD
- EXIT SIGNAGE (SEE ELECTRICAL DRAWINGS)
- CEILING HEIGHT A.F.F.



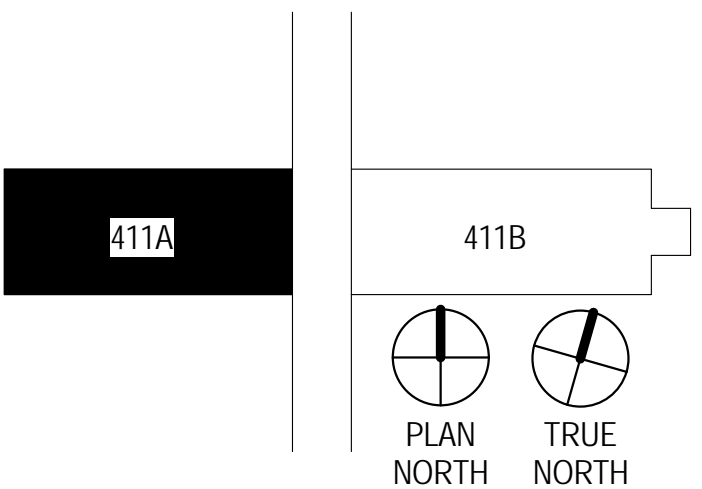
1 FIRST FLOOR - RCP
1/4" = 1'-0"



2 GYP. BD. SOFFIT DETAIL
1 1/2" = 1'-0"

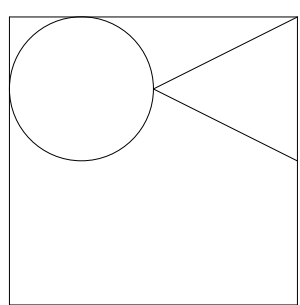


3 SUSPENDED ACOUSTICAL TILE DETAIL
1 1/2" = 1'-0"



KEY PLAN
1" = 50'-0"

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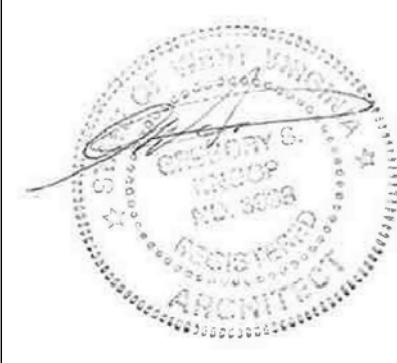
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Stamp/Seal



Drawing Title
**FIRST FLOOR - REFLECTED
CEILING PLAN**

Approved: Project Director

Project Title
**BUILDING 411A
RENOVATION**

Location
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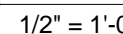
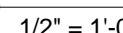
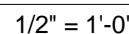
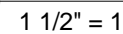
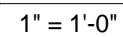
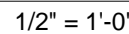
Drawing Number

A200

Office of
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100% Construction Documents Submission	05/25/12
100% Construction Documents Submission	05/15/12
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Revisions:	Date



Department of
Veterans Affairs