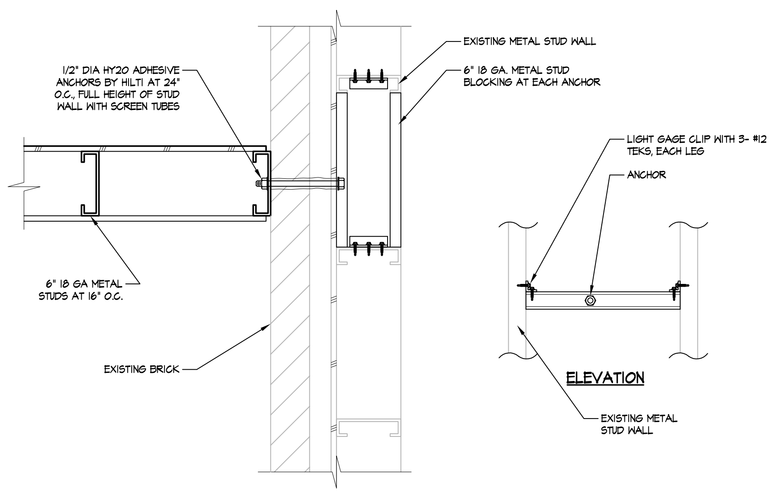
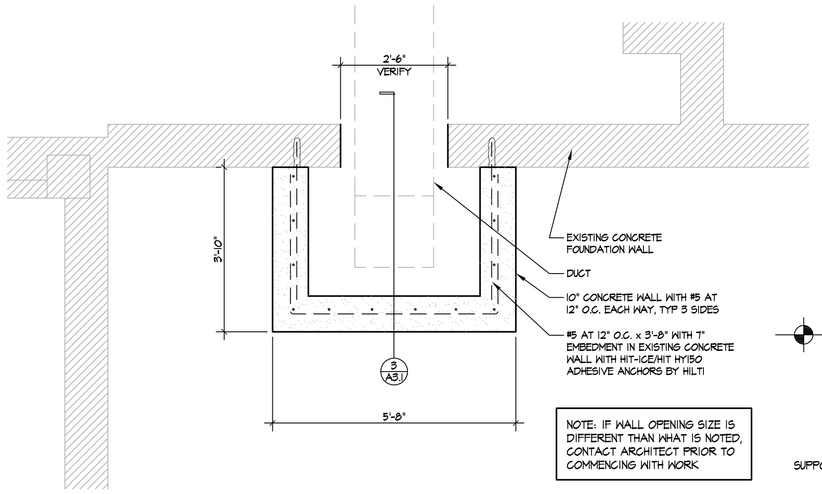
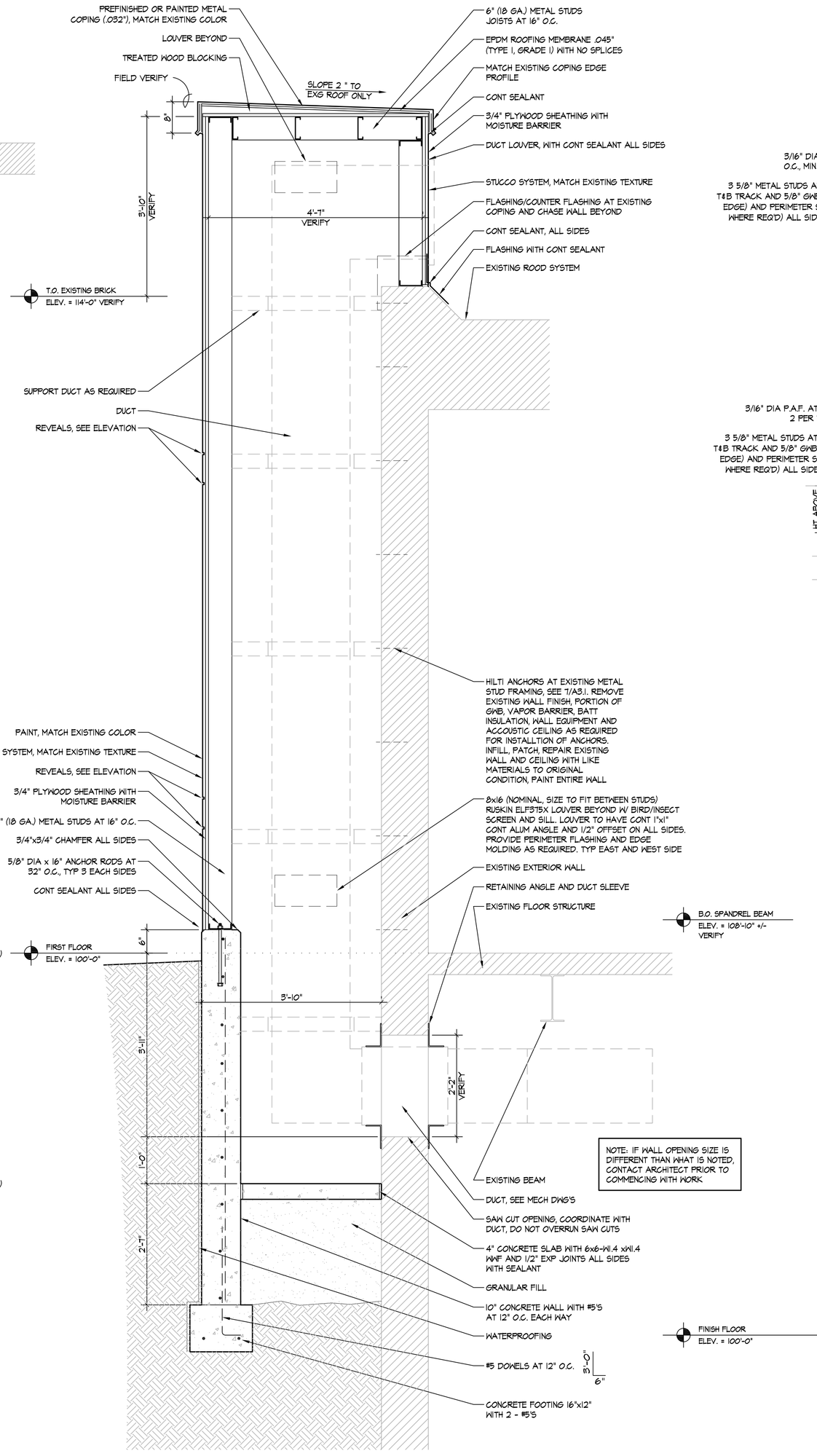


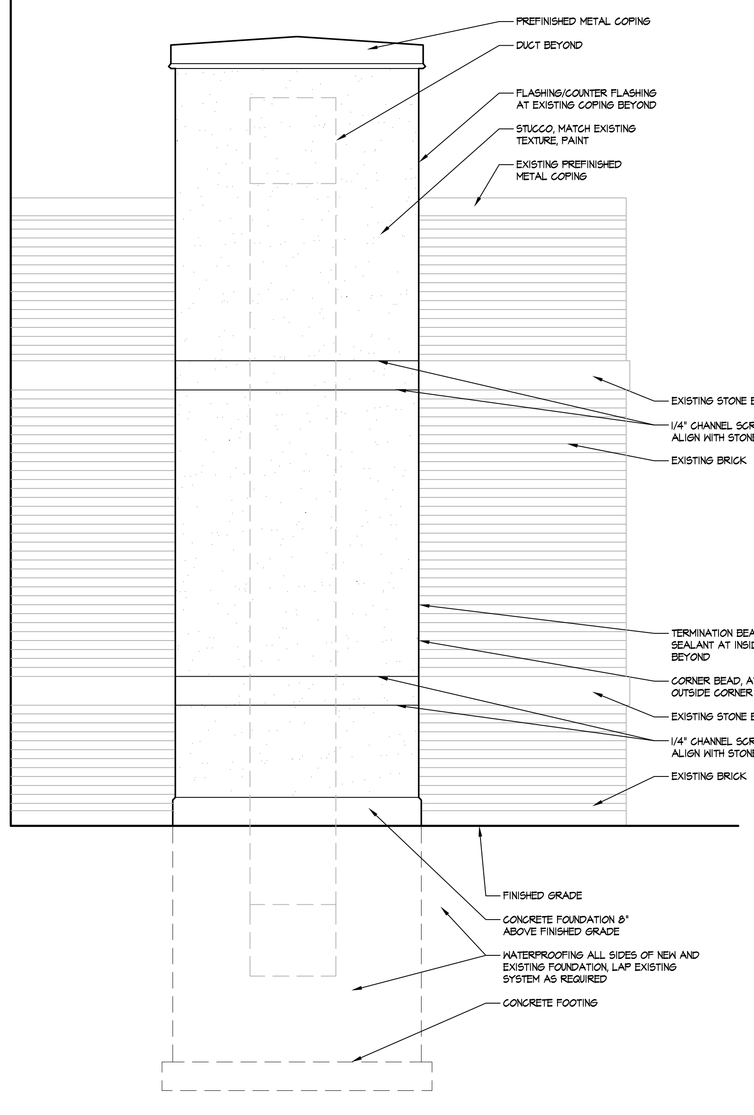
1 A3.1 DETAIL
SCALE: 3/4" = 1'-0"



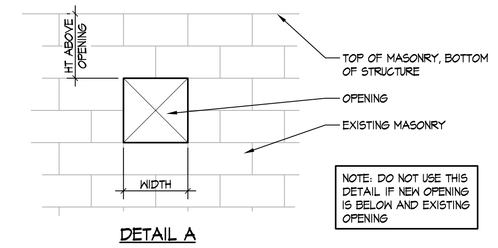
6 A3.1 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



3 A3.1 SECTION
SCALE: 3/4" = 1'-0"



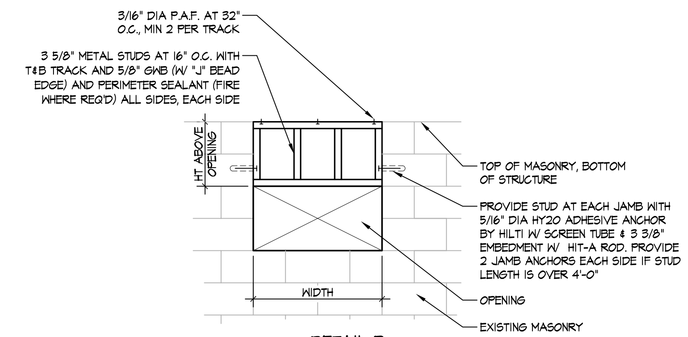
2 A3.1 ELEVATION
SCALE: 1/2" = 1'-0"



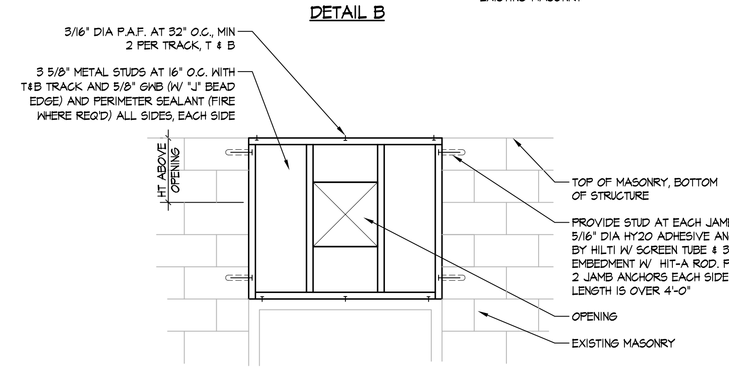
DETAIL A

DUCT PENETRATION THROUGH CLAY TILE MASONRY PER DETAIL "A" IS ACCEPTABLE IF:

- WIDTH LESS THAN 12" AND...
- HEIGHT ABOVE OPENING IS GREATER THAN WIDTH AND...
- NO OTHER OPENING IN WALL ABOVE OR BELOW PENETRATION



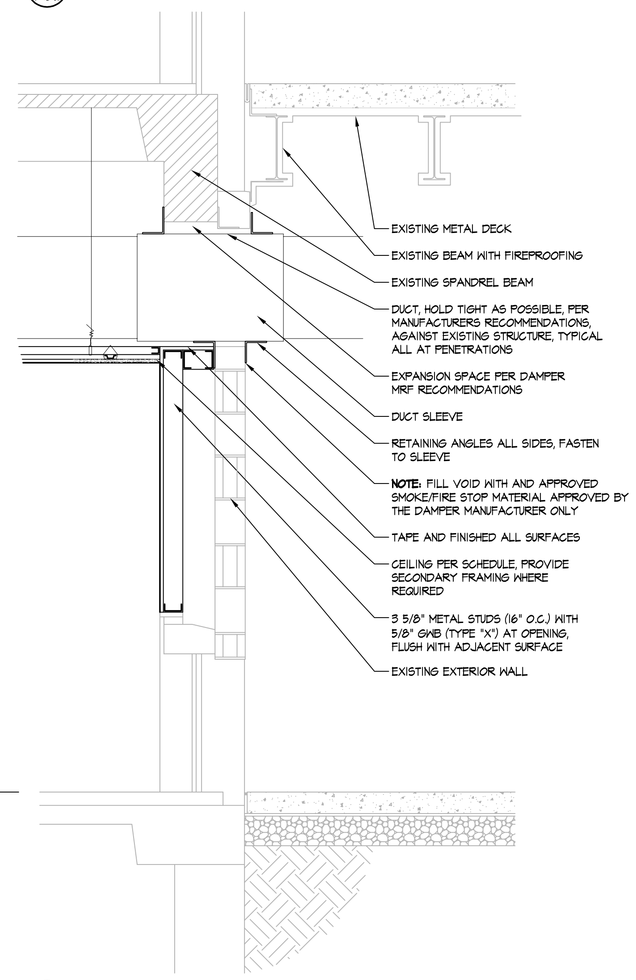
DETAIL B



DETAIL C

IF OPENING IS ABOVE EXISTING DOOR REMOVE EXISTING MASONRY EQUAL TO WIDTH OF FROM FROM FRAME HEAD TO STRUCTURE ABOVE. IF OPENING IS 24" OR MORE ABOVE DOOR CONTACT ARCHITECT FOR FURTHER INSTRUCTIONS

4 A3.1 DUCT PENETRATION DETAILS
NTS



1 A3.1 SECTION
SCALE: 3/4" = 1'-0"

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA:

1. ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OR CONSTRUCTION.
2. THE ARCHITECT SHALL BE NOTIFIED IN WRITING OF ANY EXISTING CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS.
3. THE ENGINEER WILL NOT ACCEPT SHOP DRAWINGS WITHOUT FIRST BEING REVIEWED AND SIGNED BY THE CONTRACTOR. ALL CHANGES SHALL BE FLAGGED AND NOTED AS DEVIATING FROM THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING BUILDING DURING THE EXECUTION OF THE CONTRACT.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE SHORING AND BRACING TO PROTECT THE EXISTING STRUCTURE AND UNFINISHED NEW CONSTRUCTION.

SPECIAL INSPECTIONS:

1. PROVIDE SPECIAL INSPECTIONS AS REQUIRED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE FOR THE FOLLOWING: CONCRETE AND REINFORCING STEEL.
2. PROVIDE THE SPECIAL INSPECTOR 48 HOURS PRIOR NOTICE FOR THE SPECIAL INSPECTIONS.

CONCRETE AND REINFORCING STEEL:

1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" UNLESS NOTED OTHERWISE.
2. CONCRETE CLASSES AND USAGES:
   A. FOOTINGS AND FOUNDATION WALLS:
      - MINIMUM COMPRESSIVE STRENGTH; 3000 PSI AT 28 DAYS
      - MAXIMUM WATER/CEMENTITIOUS MATERIALS RATIO; 0.50
      - COARSE AGGREGATE; LIMESTONE, 3/4" NOMINAL, 30% OF TOTAL AGGREGATE
      - SLUMP RANGE BETWEEN 2" AND 4"
      - AIR ENTRAINMENT RANGE BETWEEN 4% AND 6%
   B. INTERIOR SLABS ON GRADE:
      - MINIMUM COMPRESSIVE STRENGTH; 3500 PSI AT 28 DAYS
      - MAXIMUM WATER/CEMENTITIOUS MATERIALS RATIO; 0.50
      - COARSE AGGREGATE; LIMESTONE, 3/4" NOMINAL, 40% OF TOTAL AGGREGATE
      - SLUMP RANGE BETWEEN 2" AND 4"
      - NO ENTRAINED AIR
3. FLY ASH MAY BE USED UP TO 25%, BY WEIGHT, OF CEMENTITIOUS MATERIAL. FLY ASH SHALL NOT BE USED IN SLABS WITH EXPOSED CONCRETE FINISH.
4. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL MECHANICAL AND ELECTRICAL SLEEVES AND ALL UTILITY LOCATIONS PRIOR TO PLACEMENT OF CONCRETE.
5. ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60, UNLESS NOTED OTHERWISE.
6. WELDED STEEL WIRE FABRIC SHALL BE ASTM A-185, PLAIN TYPE AND FINISH, FLAT SHEETS.
7. ALL REINFORCING SHALL BE CONTINUOUS OR SHALL LAP 56 BAR DIAMETERS UNLESS NOTED OTHERWISE.
8. PROVIDE CORNER BARS AND LAP CORNER BARS WITH MAIN REINFORCEMENT.
9. A VAPOR BARRIER SHALL BE USED AT ALL INTERIOR SLABS ON GRADE. THE THICKNESS SHALL BE AT LEAST 10 MILS.
10. PROVIDE 2 ADDITIONAL #5 REINFORCING BARS AT ALL SIDES OF OPENINGS IN CONCRETE WALLS THAT ARE GREATER THAN 1'-6" IN ANY DIRECTION. EXTEND THE BARS 2'-0" PAST EDGES OF THE OPENING (HOOK BARS IF NECESSARY).
11. ALL REINFORCING STEEL SHALL BE EITHER CONTINUOUS OR DOWELED THROUGH CONSTRUCTION JOINTS. DOWELS SHALL BE THE SAME SIZE AND SPACING AS SCHEDULED REINFORCING AND SHALL LAP 56 BAR DIAMETERS.
12. CONCRETE PROTECTION FOR REINFORCING SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

	MINIMUM COVER (INCHES)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
EXPOSED TO EARTH OR WEATHER	
#5 BARS AND SMALLER	1 ½
NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH,	
SLABS, WALLS AND JOISTS	
#11 BARS AND SMALLER	¾

13. THE CONTRACTOR SHALL SUBMIT CONCRETE REINFORCING STEEL SHOP DRAWINGS TO THE ARCHITECT.

Revisions:	Date

© 2012 Calvin L. Hinz Architects P.C.

These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.

IMPORTANT CONTRACTOR'S NOTE

1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.
2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.

REGISTERED PROFESSIONAL ENGINEER — CALVIN L. HINZ — A-1793 — STATE OF NEBRASKA

ARCHITECT/ENGINEERS:

CLH Calvin L. Hinz ARCHITECTS PC
Calvin L. Hinz Architects, P.C.
3705 North 200th Street
Elkhorn, Nebraska 68022
Phone:402.291.6941 Fax: 402.291.9193

FARRIS ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-uso.com

Drawing Title	EXTERIOR ELEVATION AND SECTIONS
Approved Project Director	KEVIN HUTSELL
	CONTRACT DOCUMENTS (CD-3) FINAL SUBMITTAL (100%) APRIL 6, 2012
Date	APRIL 6, 2012
Checked	CH
Drawn	
Project Title	CORRECT NWIHCS SPD DEFICIENCIES
Location	VAMC Grand Island, Nebraska
Project Number	636-12-105A
Building Number	ONE
Drawing Number	A3.1
	Dwg. 4 of 19

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

P:\Projects - Active\2012-04 VA GI SPD Deficiencies\CDs\12-04 A2.1.dwg 4-17-12 04:35:26 PM mkearney

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