

DATE: JULY 14, 2017

REVISIONS
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EXTERIOR BUILDING FACING STUDY
COULTER BUILDING
 Franklin Street
 Roanoke, Virginia

DRAWN BY: BMB
 CHECKED BY: JFK

PLAZA PLAN
 - ALTERNATE
 1

SEAL OF THE BOARD OF PROFESSIONAL ENGINEERS
 JAMES F. KINDER, JR.
 Lic. No. 015761
 7/14/2017

COMMISSION No.
 16011
 SHEET
S-1

GENERAL STRUCTURAL NOTES

CODE: 2012 VIRGINIA CONSTRUCTION CODE (IBC 2012)
 ASCE 7-10

DESIGN LOADS:

OCCUPANCY CATEGORY II

FLOOR LIVE LOAD = 100 PSF

ALL CONCRETE SHALL BE 4000 PSI AIR ENTRAINED.

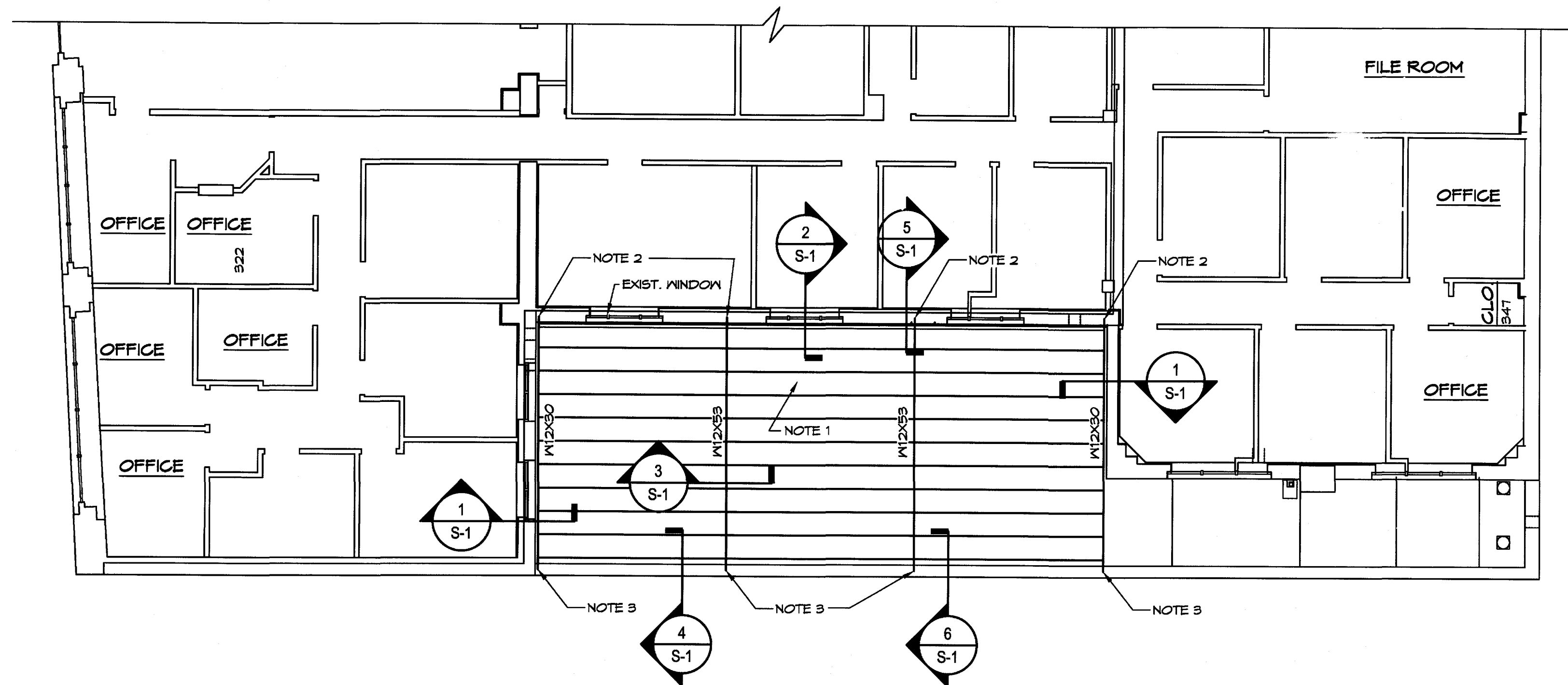
MESH SHALL BE WELDED WIRE FABRIC ASTM A-185.

CUTS, HOLES, COPINGS, ETC. IN STRUCTURAL STEEL MEMBERS REQUIRED BY WORK OF OTHER TRADES SHALL BE MADE IN THE SHOP AND SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES OR CUTS IN THE FIELD WILL NOT BE PERMITTED WITHOUT SPECIFIC APPROVAL OF THE ENGINEER.

UNLESS NOTED OTHERWISE, ALL BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR ONE HALF THE ALLOWABLE UNIFORMLY DISTRIBUTED LOADING IN ACCORDANCE WITH THE UNIFORM LOAD CONSTANTS AS TABULATED IN THE AISC MANUAL (FOURTEENTH EDITION) FOR THE INDICATED SPAN PLUS 2 KIPS.

ALL BOLTS SHALL BE 3/4" DIAMETER, ASTM A-325 TYPE N, UNLESS OTHERWISE SHOWN OR NOTED.

ROUND STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-501. SQUARE AND RECTANGULAR STEEL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500, GRADE B. ALL STRUCTURAL STEEL BEAMS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992, F_y = 50KSI. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36. ALL STEEL SHALL RECEIVE ONE COAT OF SHOP PAINT, UNLESS NOTED OTHERWISE.



PATIO FLOOR FRAMING PLAN

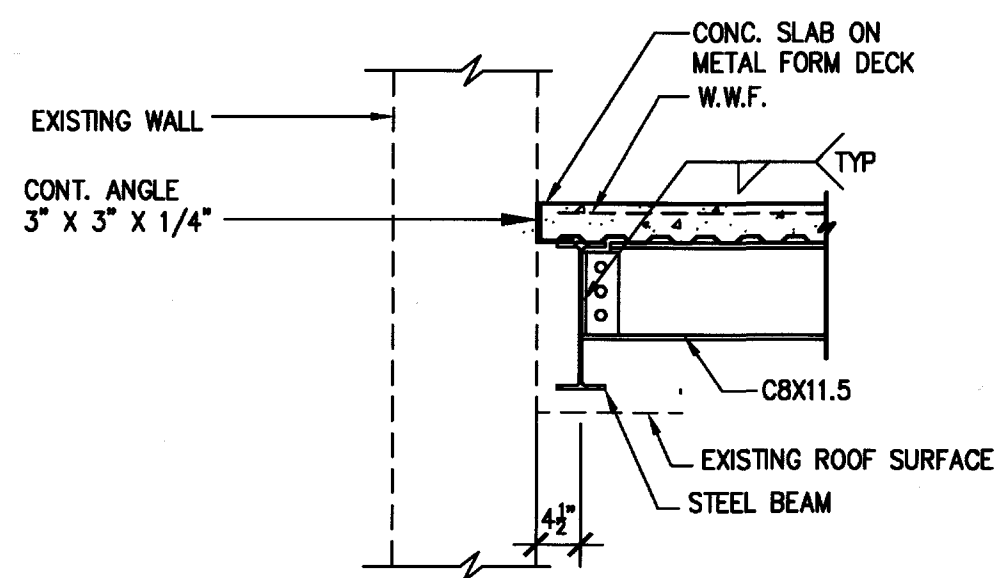
SCALE: 1/8" = 1'-0"

FOUNDATION NOTES:

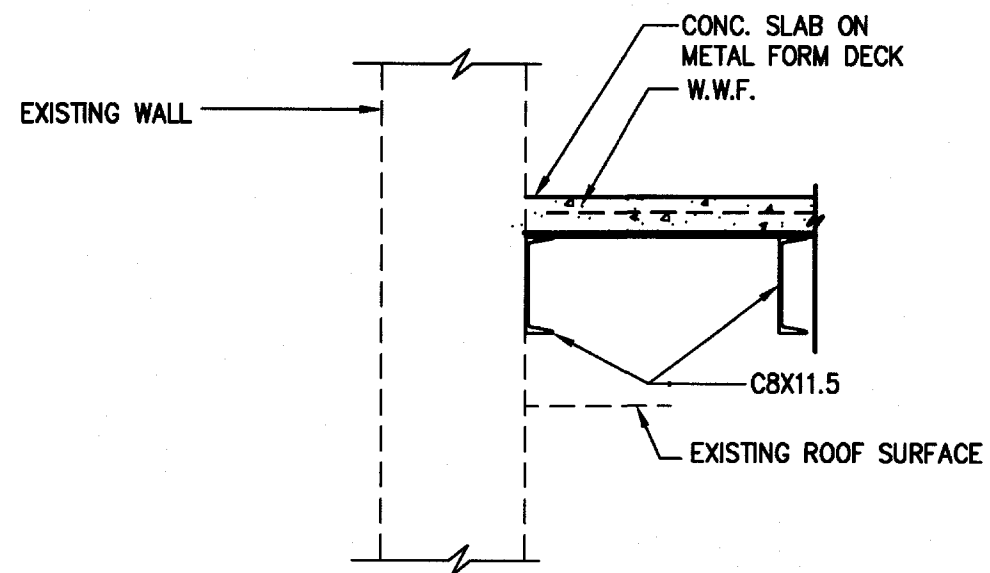
1. TYPICAL FLOOR FRAMING SHALL BE 3" CONCRETE REINFORCED WITH (1) LAYER OF 6X6 W1.4 X W1.4 W.W.F. OVER 9/16" X 28 GAUGE METAL FORM DECK SUPPORTED BY CBX11.5 STEEL CHANNELS SPACED AT 2'-0" O.C. - SLOPE TO DRAIN. SEE ARCHITECTURAL DRAWINGS FOR SLOPE AND DECK ELEVATION.

2. POCKET EXISTING MASONRY WALL FOR SUPPORT OF NEW BEAM. SEE SECTION 5/S-1.

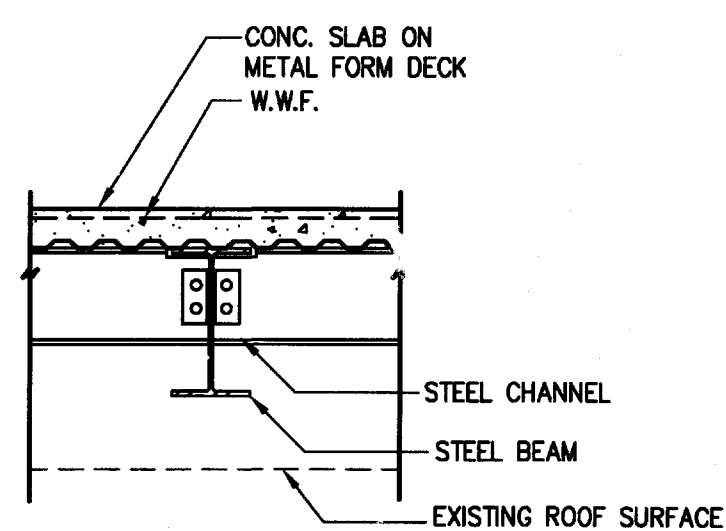
3. REMOVE EXISTING MASONRY WALL CAP. FILL (2) COURSES OF CMU SOLID WITH 2500 PSI GROUT. SEE SECTION 6/S-1 FOR BEAM BEARING DETAIL.



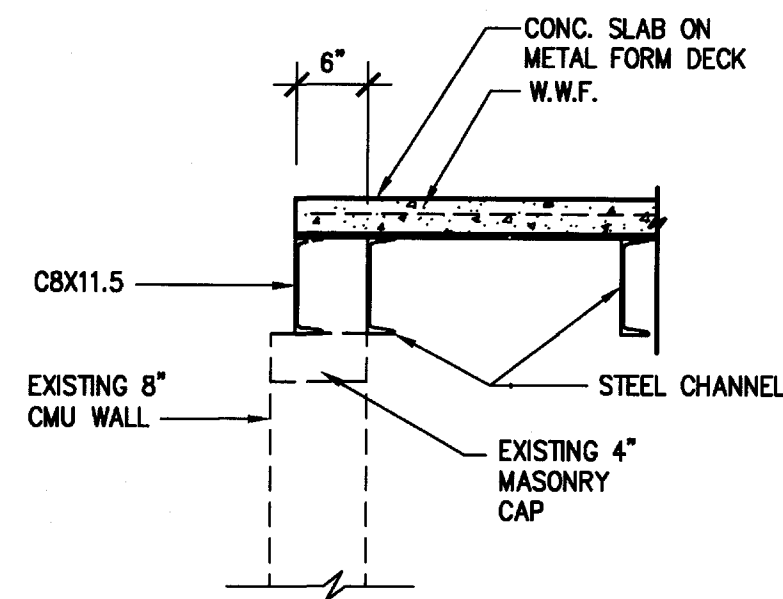
1 SECTION
 S-1 SCALE: N.T.S.



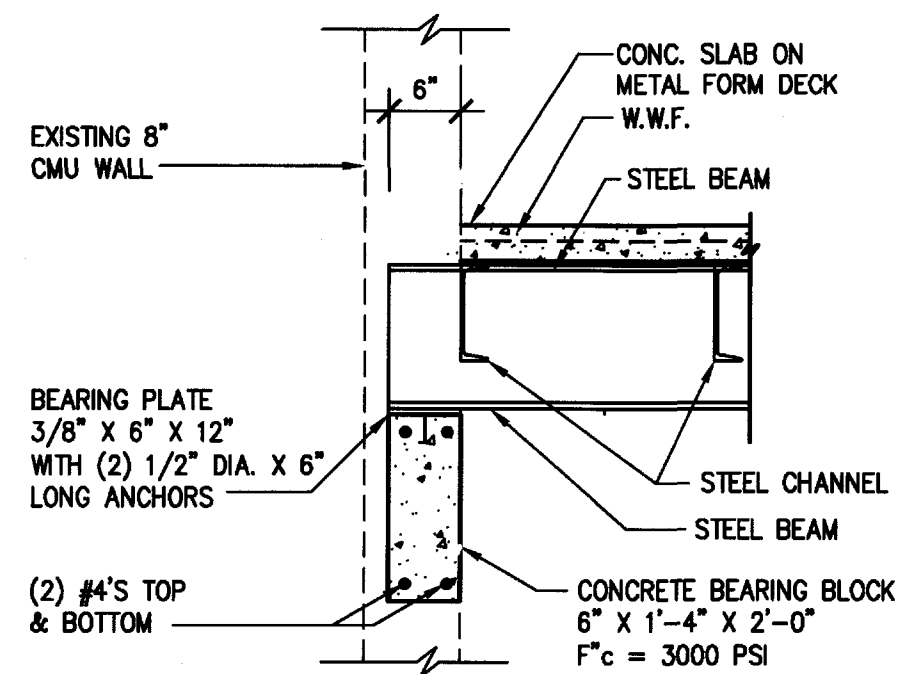
2 SECTION
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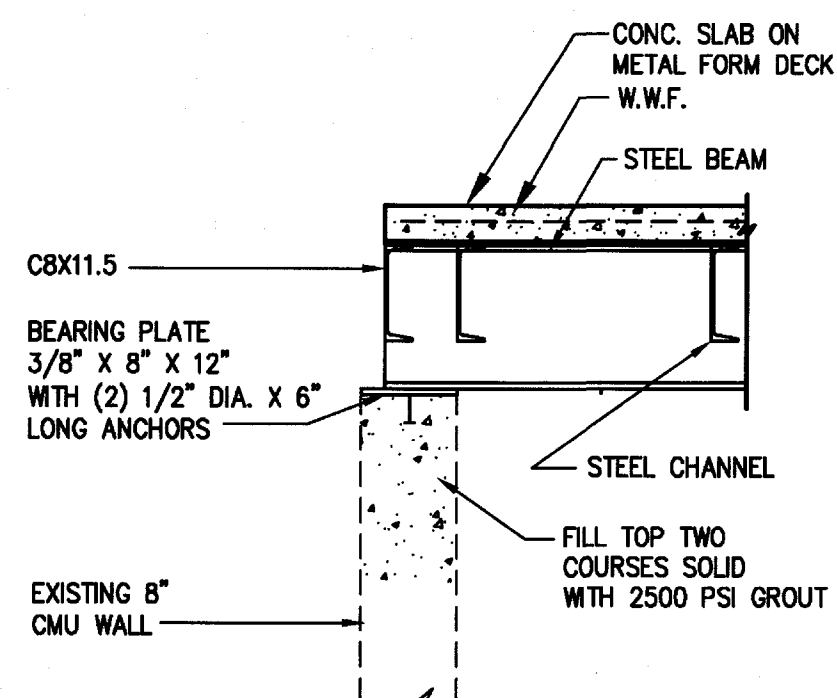
3 SECTION
 S-1 SCALE: N.T.S.



4 SECTION
 S-1 SCALE: N.T.S.



5 SECTION
 S-1 SCALE: N.T.S.



6 SECTION
 S-1 SCALE: N.T.S.

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