DESIGN CRITERIA:

D01 BUILDING CODE: INTERNATIONAL BUILDING CODE, 2012 EDITION W/ GEORGIA AMMENDMENTS

D02 RISK CATEGORY: IV

EARTHQUAKE DESIGN DATA:

D03 SEISMIC IMPORTANCE FACTOR, I = 1.50
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
SS = 0.185
S1 = 0.090
SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS:
SDS = 0.197
SD1 = 0.144
SEISMIC DESIGN CATEGORY: C

GENERAL:

G01 METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION. COMPLY WITH ALL FEDERAL (OSHA), STATE AND LOCAL LAWS WHICH PRESCRIBE SAFETY REQUIREMENTS FOR CONSTRUCTION PERFORMED.

G02 WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS.

MASONRY: CONCRETE MASONRY

M01 CONFORM TO ALL REQUIREMENTS OF:
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
(ACI 530-11/ASCE 5-11/TMS 402-11) AND
SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1-11/ASCE 6-11/TMS 602-11)

M02 THE SPECIFIED ULTIMATE COMPRESSIVE STRENGTH OF CONRETE MASONRY (f'm) ON THE NET AREA IS 1500 PSI.

M03 HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, GRADE N. MASONRY UNITS SHALL BE LIGHTWEIGHT CONCRETE WITH A DENSITY NOT EXCEEDING 105 PCF.

M04 MORTAR SHALL CONFORM TO ASTM C 270. FOR LOAD BEARING WALLS AND ALL EXTERIOR WALLS ABOVE GRADE USE TYPE N MORTAR. IF WALL EXTENDS NO MORE THAN 24" BELOW FINISHED FLOOR TO TOP OF FOOTING, TYPE N MORTAR MAY BE USED. FOR EXTERIOR WALLS BELOW GRADE USE TYPE 'S MORTAR.

M05 GROUT USED TO FILL CELLS AND BOND BEAMS SHALL CONFORM TO ASTM C 476 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI. PEA GRAVEL SHALL BE USED FOR COARSE AGGREGATE. ALL CELLS CONTAINING VERTICAL REINFORCEMENT, ALL BOND BEAMS AND ALL CELLS UNDER BEAM BEARING PLATES SHALL BE FILLED WITH GROUT (NOT MORTAR).

M06 STEEL REINFORCEMENT FOR VERTICAL REINFORCEMENT AND HORIZONTAL BOND BEAMS SHALL BE DEFORMED BARS AND SHALL CONFORM TO ASTM A615, GRADE 60. BARS SHALL NOT BE WELDED OR HEATED UNLESS INDICATED ON THE CONTRACT DOCUMENTS. DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE ACI DETAILING MANUAL (ACI 315). MINIMUM LAP SPLICE LENGTH SHALL BE AS FOLLOWS: #4 - 21", #5 - 26", #6 - 43", #7 - 60", #8 - 92"

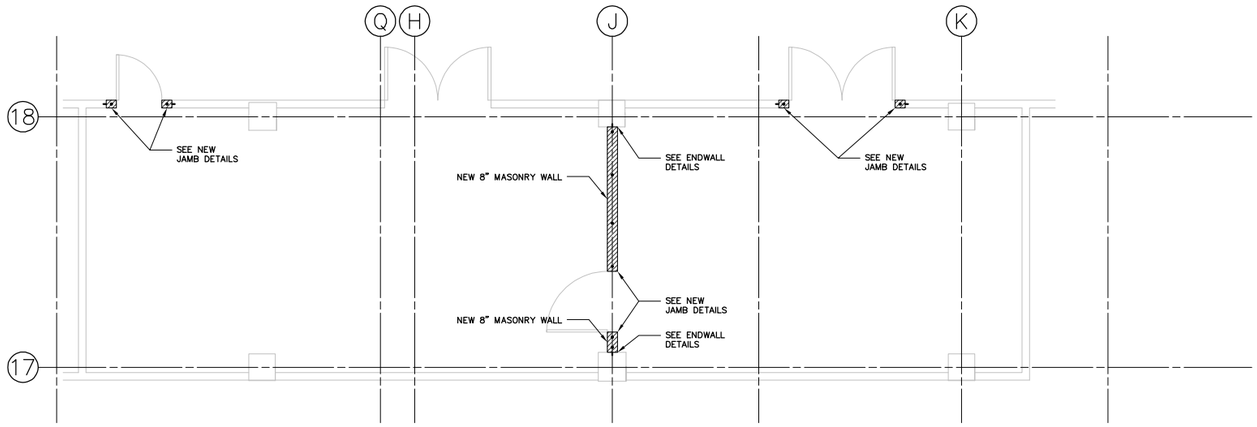
M07 MASONRY BEAMS: FOR ALL BOND BEAMS SPANNING OPENINGS, PROVIDE REINFORCED LINTEL BEAMS. FOR ALL BOND BEAMS NOT SPANNING OPENINGS: PROVIDE (1)-#5 BAR CONTINUOUS IN ALL BOND BEAMS, U.N.O. BOND BEAMS SHALL BE PLACED ABOVE ANY OPENINGS AND SHALL EXTEND 0'-8" MINIMUM INTO NEW JAMB.

M08 PROVIDE GALVANIZED JOINT REINFORCEMENT AT 16" ON CENTER MAXIMUM, AT EVERY OTHER JOINT. MINIMUM ROD SIZE USED SHALL BE W1.7 (NO. 9 GAGE) DEFORMED WIRE AND SHALL CONFORM TO ASTM A 82. PROVIDE LADDER TYPE REINFORCEMENT U.N.O. IF SHEET METAL TIES ARE UTILIZED THEY SHALL BE GALVANIZED AND CONFORM TO ASTM A 1008.

M09 PROVIDE CONTROL JOINTS AT MAJOR CHANGES IN WALL HEIGHT, CHANGES IN WALL THICKNESS, AT FLOOR CONTROL JOINTS, AT WALL OPENINGS AND AT RETURN ANGLES IN L, T, AND U SHAPED STRUCTURES. CONTROL JOINT SPACING SHALL NOT EXCEED 50 FEET. BOND BEAM AND JOINT REINFORCEMENT SHALL BE DISCONTINUOUS AT CONTROL JOINTS.

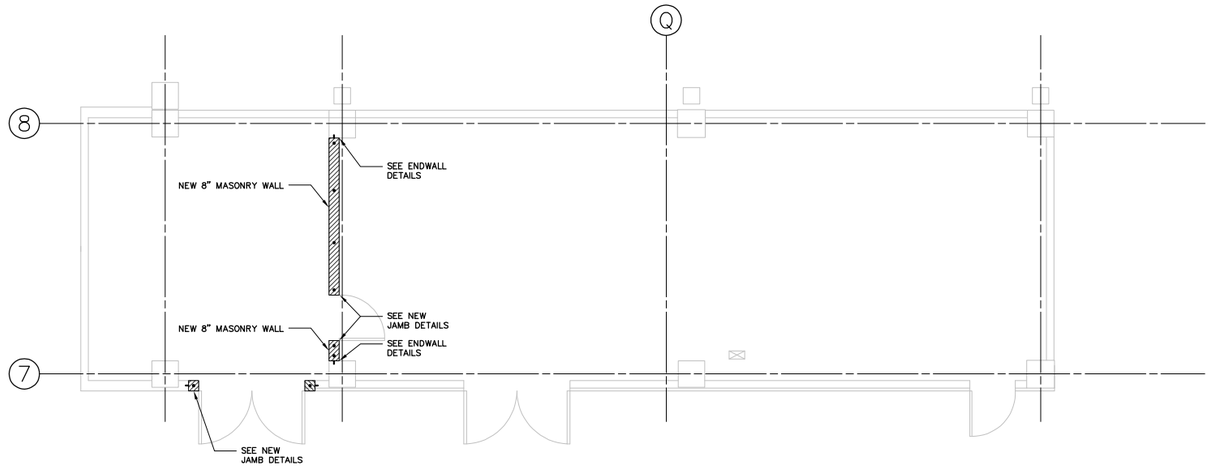
M10 TYPICAL VERTICAL WALL REINFORCEMENT:
FOR INTERIOR NON-LOAD BEARING WALLS: #5 @ 48 MAX."
AT OPENINGS AND WALL ENDS: (1)-#5 IN FULLY GROUTED CELL.

EACH CELL CONTAINING VERTICAL REINFORCEMENT SHALL BE GROUTED FULL HEIGHT USING APPROPRIATE GROUTING PROCEDURES. PROVIDE SHORT DROP-IN ANCHORS W/ THREADED RODS FROM FINISHED FLOOR TO MATCH SPACING OF VERTICAL REINFORCEMENT. ADDITIONAL VERTICAL REINFORCEMENT MATCHING THE SIZE AND NUMBER OF TYPICAL VERTICAL REINFORCEMENT SHALL BE PLACED AT ENDS OF ALL WALLS, AT EACH SIDE OF ALL OPENINGS, AT EACH WALL CORNER AND AT A TRANSITION IN WALL HEIGHT. PROVIDE STANDARD LINTEL BEAM OVER ALL WALL OPENINGS. PROVIDE CONTINUOUS BOND BEAM IN NEW WALLS.



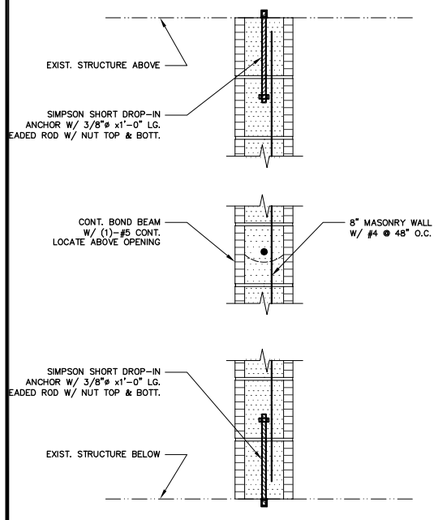
BC047 NEW WORK PLAN
SCALE: 1/4" = 1'-0"

PLAN NOTES:
1. SEE NEW WALL DETAILS FOR MASONRY REINFORCEMENT INFORMATION AND TOP & BOTTOM CONNECTION TO EXISTING STRUCTURE.
2. SEE ENDWALL DETAILS FOR CONNECTION AT NEW & EXISTING WALL INTERFACE.
3. ⊠ DENOTES VERTICAL REINFORCEMENT IN NEW MASONRY WALLS.

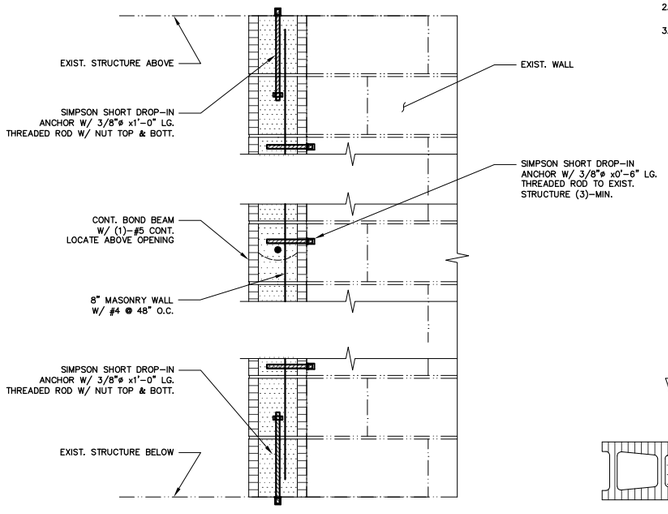


BA007 NEW WORK PLAN
SCALE: 1/4" = 1'-0"

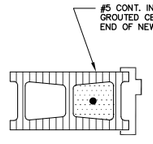
PLAN NOTES:
1. SEE NEW WALL DETAILS FOR MASONRY REINFORCEMENT INFORMATION AND TOP & BOTTOM CONNECTION TO EXISTING STRUCTURE.
2. SEE ENDWALL DETAILS FOR CONNECTION AT NEW & EXISTING WALL INTERFACE.
3. ⊠ DENOTES VERTICAL REINFORCEMENT IN NEW MASONRY WALLS.



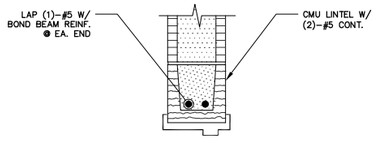
NEW WALL DETAIL



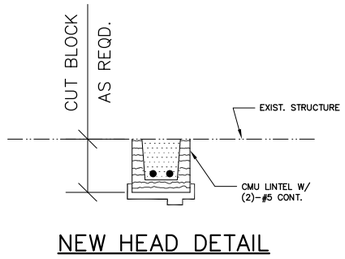
ENDWALL DETAIL



NEW JAMB DETAIL



NEW HEAD DETAIL



NEW HEAD DETAIL @ EXIST. WALL

Newcomb & Boyd ©
Suite 525
303 Peachtree Center Avenue, NE
Atlanta, Georgia 30303-1277
T 404 730-8401
F 404 730-8401
CONTACT: David Chandler
N&B PROJECT: 12N230

GW Design Group, LLC
3104 MERCER UNIVERSITY DRIVE
SUITE 100
ATLANTA, GA. 30341
PHONE (770) 457-0065
FAX (770) 457-6639

tbb DESIGN & DEVELOPMENT
216 HIGHLAND SQUARE DR.
ATLANTA, GA
T: 404.897.1981
C: 678.698.5547
CONTACT: DEBORAH MOTON

NO.	REVISIONS	DATE

NO.	REVISIONS	DATE

Grady

GRADY MEMORIAL HOSPITAL
SWITCHGEAR REPLACEMENT PROJECT

TITLE: NEW WORK PLAN & DETAILS

SEAL

PROJECT NO.	1038
DATE	7-29-2014
SCALE	AS NOTED
DRAWING NO.	S1.1