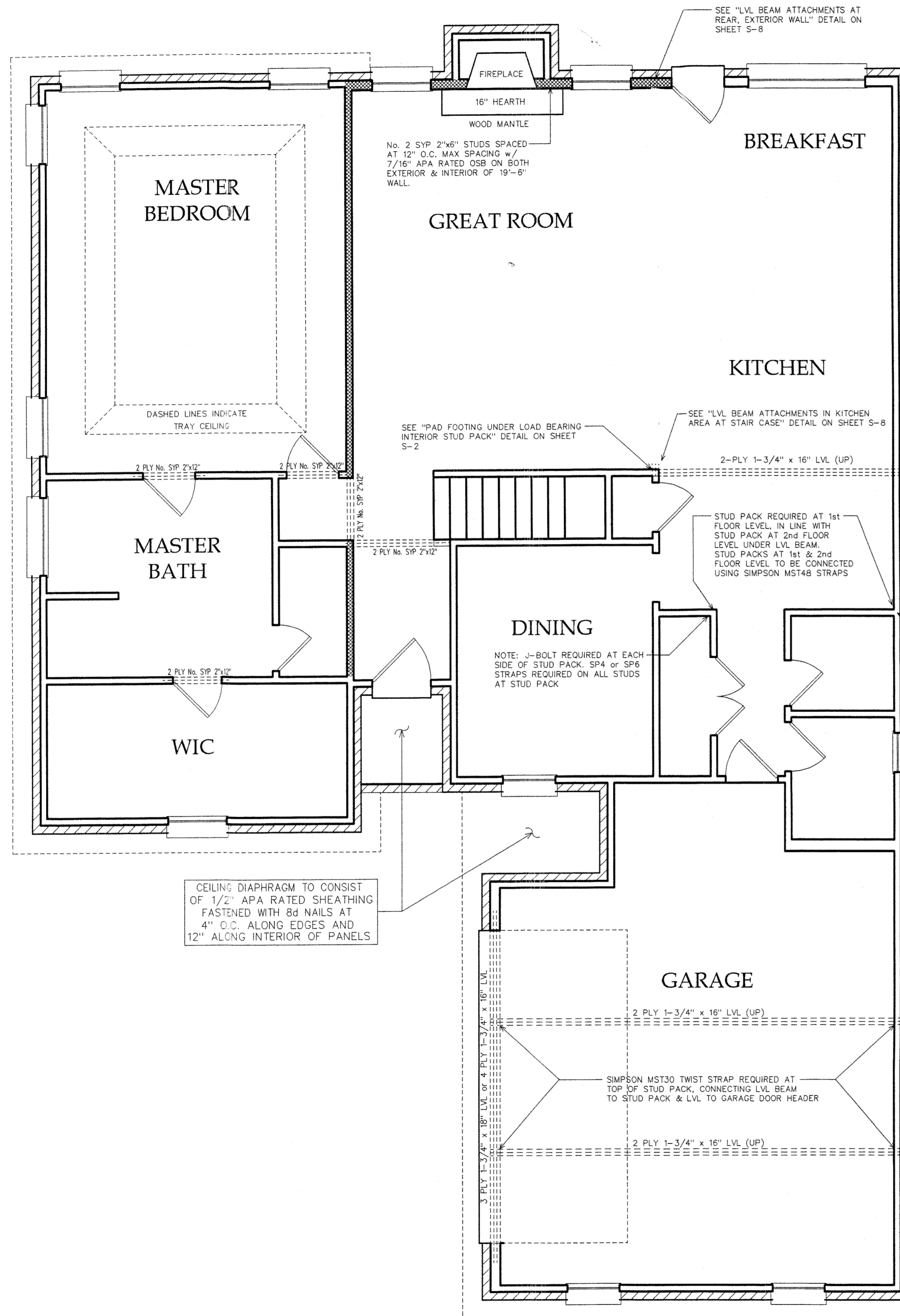


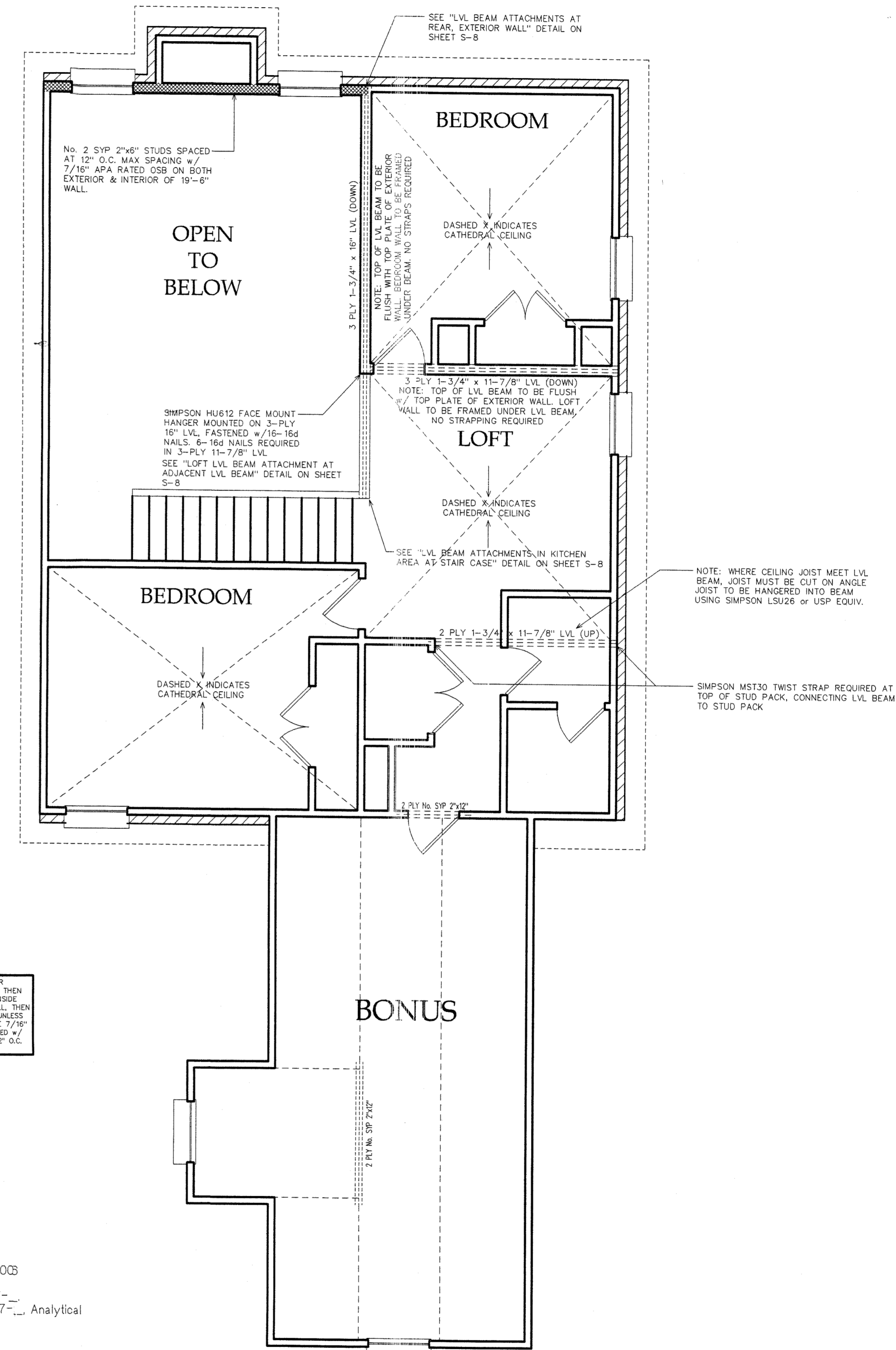
1st FLOOR BEAM SIZES & DETAILS

SCALE: 1/4" = 1'-0"



2nd FLOOR BEAM SIZES & DETAILS

SCALE: 1/4" = 1'-0"



NOTE: HATCHED WALLS INDICATE SHEAR WALLS. IF WALL IS AN EXTERIOR WALL, THEN WALL SHALL BE SHEATHED ON BOTH INSIDE AND OUT. IF WALL IS AN INTERIOR WALL, THEN WALL SHALL BE SHEATHED ON ONE SIDE, UNLESS OTHERWISE INDICATED. SHEATHING TO BE 7/16" APA APPROVED OSB OR PLYWOOD FASTENED w/ 8d NAILS AT 12" O.C. EDGE HAVING 12" O.C. INTERIOR OF PANELS.

ALL WINDOWS SHALL MEET OR EXCEED 140 MPH PRESSURE REQUIREMENTS. REFER TO COMPONENTS AND CLADDING MIN. PRESSURE REQUIREMENTS BELOW

Wind Resistant Design, In Accordance With The IRC, 2003 Design Loading:
 a. Dead and Live Loads per IRC, 2003 and ASCE 7-02
 b. Wind Loads Computed In Accordance with ASCE 7-02, Analytical Procedure.
 DESIGNED FOR ENCLOSED BUILDING

WIND VELOCITY: 140 MPH (3 sec gust)
 TERRAIN EXPOSURE CATEGORY: B, (All Sides / directions)
 GUST EFFECT FACTOR: 0.85
 INTERNAL PRESSURE COEFFICIENT +/- 0.18
 BUILDING CATEGORY: I
 IMPORTANCE FACTOR: 1.0

Components and Cladding to be done by others
 Wall Pressure for Components and Cladding: (140 mph)
 Interior Zones (Zone 4)

Effective Area (ft ²)	Design Pressure (psf)
10	35.3
20	33.7
50	31.6
100	30.0

End Zones (Zone 5): Within 6' of corners.

10	35.3
20	33.7
50	31.6
100	30.0

PREPARED FOR: COLONY HOMES, LLC
 "THE FRANKLIN" CAMBRON SUBDIVISION
 WIND LOAD DESIGN FOR: LOT 49
 2252 sq.ft. LIVING AREA
 3137 sq.ft. UNDER ROOF
 SPANISH FORT, AL
 DATE: 12/8/2008
 DRAWN BY: AM
 DETAIL SHEET: S-1 of S-9

SOUTHERN SITE & UTILITY DESIGN, INC.
 ALABAMA CERTIFICATE NO. CA-3513-E
 FLORIDA CERTIFICATE OF AUTHORITY NO. 8983
 5318 STEWART STREET, MILTON, FLORIDA 32570
 PH: (850) 623-9493 E-MAIL: alammiller@south.net
 EROSION CONTROL PLANS • POTABLE WATER & SANITARY SEWER
 SITE PLANS • SUBDIVISIONS • STORMWATER MANAGEMENT
 • WIND LOAD ANALYSIS •

FOR STRUCTURAL WIND RESISTANT DESIGN ONLY
 12-20-08
 ALAN M. MILLER, P.E.
 AL LICENSE NO. 20113
 FL LICENSE NO. 53577
 DRAWING NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER OF RECORD

CONTRACTOR OR SUBCONTRACTOR IS TO VERIFY ALL DIMENSIONS IN THE FIELD, PRIOR TO CONSTRUCTION. NOTIFY RESIDENTIAL DESIGNER OF ANY DISCREPANCIES ON PLANS.