

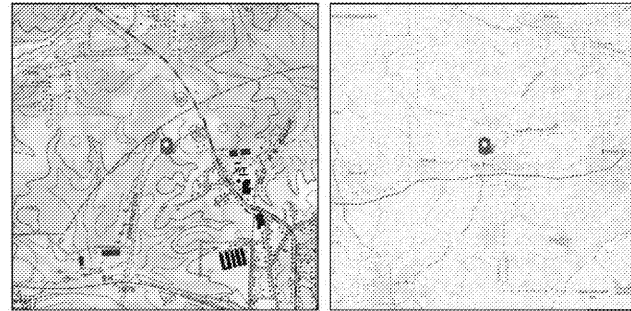


ASCE 7 Hazards Report

Address: 101 Prospero Dr, Villa Rica, Georgia 30180

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 1098.42 ft (NAVD 88)
Latitude: 33.7475
Longitude: -84.93417



Wind

Results:

Wind Speed: 107 Vmph
10-year MRI: 73 Vmph
25-year MRI: 79 Vmph
50-year MRI: 85 Vmph
100-year MRI: 91 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1-CC.2-4
Date Accessed: Tue Jul 21 2020

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

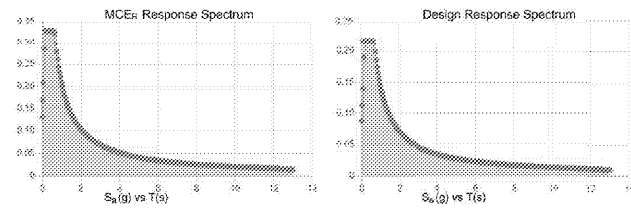
Seismic

Site Soil Class: D - Default (see Section 11.4.3)

Results:

S_s: 0.205 Sp: 0.139
S₁: 0.067 T_s: 12
F_g: 1.6 PGA: 0.107
F_h: 2.4 PGA_w: 0.17
S_{wp}: 0.328 F_{rwk}: 1.588
S_{wp}: 0.209 I_w: 1
S_{ps}: 0.218 C_w: 0.71

Seismic Design Category: C



Ice

Results:

Ice Thickness: 1.50 in.
Concurrent Temperature: 15 F
Gust Speed: 30 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed: Tue Jul 21 2020

Snow

Results:

Ground Snow Load, p_g: 5 lb/ft²
Elevation: 1098.4 ft

Data Source: ASCE/SEI 7-16, Table 7.2-8
Date Accessed: Tue Jul 21 2020

Rain

Results:

15-minute Precipitation Intensity: 0.46 in./h
60-minute Precipitation Intensity: 0.46 in./h

Data Source: NOAA National Weather Service, Precipitation Frequency Data Server, Atlas 14
Date Accessed: Tue Jul 21 2020

Flood

Results:

Flood Zone Categorization: X (unshaded)

Base Flood Elevation: Refer to map for local elevations and interpolate according to the Authority Having Jurisdiction.

Data Source: FEMA National Flood Hazard Layer - Effective Flood Hazard Layer for US, where modernized (https://msc.fhms.gov/cortals/search)

Date Accessed: Tue Jul 21 2020

STATEMENT OF SPECIAL INSPECTION

ALL REQUIRED SPECIAL INSPECTIONS SHALL BE AS INDICATED IN TABLES LISTED BELOW. NO ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION OR TESTING FOR SEISMIC OR WIND RESISTANCE SHALL BE REQ.

SCHEDULE OF SPECIAL INSPECTION SERVICES table with columns: PROJECT, MATERIAL / ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Steel Construction and Wood Construction.

SCHEDULE OF SPECIAL INSPECTION SERVICES table with columns: PROJECT, MATERIAL / ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Steel Construction and Concrete Construction.

SCHEDULE OF SPECIAL INSPECTION SERVICES table with columns: PROJECT, MATERIAL / ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Masonry Construction and Soils.

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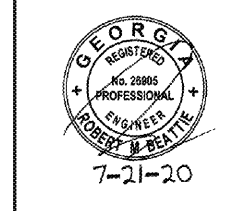
SCHEDULE OF SPECIAL INSPECTION SERVICES table with columns: PROJECT, MATERIAL / ACTIVITY, SERVICE, Y/N, EXTENT, AGENT, DATE COMPLETED. Includes sections for Masonry Construction and Soils.

DESIGNER'S DESIGN INTENTION: THE DESIGN BASIS FOR THESE DOCUMENTS WERE BASED ON THE STANDARD PROTOTYPE DRUMMING PROVIDED BY DG BY DOLLAR GENERAL THROUGH THEIR OWNERS REPRESENTATIVE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH ANY SITE WORK. MATERIAL, FOUNDATIONS, BUILDING FABRICATION, ETC. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ANY NEW BIDDING. ANY REQUIRED ENGINEERING CHANGES TO MATCH THE EXISTING SITE CONDITIONS SHALL BE TREATED AS ADDITIONAL SERVICES.

Robert E. Walker, IV
Architect

2229 FIRST AVE SOUTH
SUITE 110
BIRMINGHAM, Alabama
35233
T-205.254.3212
F-205.254.3269

ROBERT M. BEATTIE, PE
2615 GREY OAK COURT - DUNWOODY, GA 30338
PHYSICAL OFFICE: 404.487.0000 - MOBILE: 404.487.0000
ELECTRONIC OFFICE: 404.487.0000 - FAX: 404.487.0000
PERSONAL OFFICE: 404.487.0000 - EMAIL: RBEATTIE@GMAIL.COM



DG
DOLLAR GENERAL BUILDING
Prototype 9100 SF E
Store # 22323

DG Villa Rica
101 Prospero Drive
Villa Rica, GA

CONSTRUCTION DOCUMENTS

PROJECT NO.: 8095.89
ISSUED: 07/21/2020

STATEMENT OF SPECIAL INSPECTION (CONT.)

S0.2