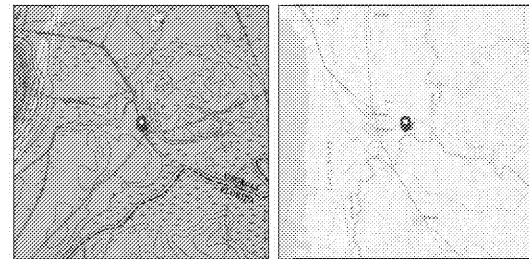




ASCE 7 Hazards Report

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

Elevation: 55 ft (NAVD 88)
 Latitude: 30.83079
 Longitude: -81.95372



Wind

Results:
 Wind Speed: 120 Vmph
 10-year MRI: 75 Vmph
 25-year MRI: 84 Vmph
 50-year MRI: 91 Vmph
 100-year MRI: 98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC-2.1-CC-2.4
 Date Accessed: The Dec 17 2020

Value provided is 2-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).

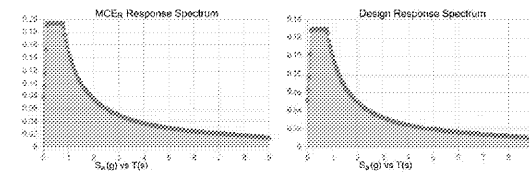
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Mountainous terrain, coasts, ocean promontories, and special wind regions should be examined for unusual wind seismic

Site Soil Class: 0 - Default (see Section 11.4.3)

S _s	0.121	S _w	0.1
S ₁	0.062	T ₁	8
F _a	1.6	PGA _{0.2}	0.099
F _v	2.4	PGA _{0.5}	0.095
R _{sd}	0.194	F _{max}	1.6
R _{sd}	0.148	L ₁	1
R _{sd}	0.128	C ₁	0.7

Seismic Design Category: B



SEISMIC DESIGN CATEGORY = C

Ice

Results:
 Ice Thickness: 0.25 in.
 Concurrent Temperature: 26 F
 Gust Speed: 30 mph

Date Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Rain

Results:
 15-minute Precipitation Intensity: 6.47 in./hr
 60-minute Precipitation Intensity: 4.42 in./hr

Date Source: NOAA National Weather Service, Precipitation Frequency Data Server, Atlas 14 (<https://www.nws.gov/data/precipitation>)

Flood

Results:
 Flood Zone Categorization: AE

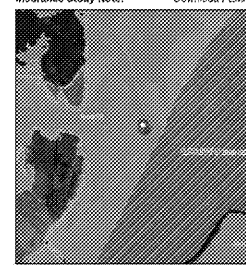
Base Flood Elevation: Refer to map for local elevations and interpolate according to the Authority Having Jurisdiction.

Date Source: FEMA National Flood Hazard Layer - Effective Flood Hazard Layer for US where modernized (<https://www.fema.gov/data-and-tools/national-flood-hazard-layer>)

Date Accessed: The Dec 17 2020

FIRM Panel: If available, download FIRM panel (see <https://www.fema.gov/flood-maps>)

Insurance Study Note: Download FEMA Flood Insurance Study for this project (<https://www.fema.gov/flood-maps>)



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.

PROJECT	MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT	EXTENT	AGENT	DATE COMPLETED
1704.2 Inspection of Fabrications	1. Verify fabrications comply with design drawings.	In-plant review (1)	N	Periodic			
	2. Verify fabrications comply with design drawings.	Substantial review, shop (1)	N	Periodic			
	3. Verify fabrications comply with design drawings.	Substantial Review	Y	Each fabrication			
	4. Verify fabrications comply with design drawings.	Shop (1) and field inspection	Y	Periodic			
	5. Verify fabrications comply with design drawings.	Field inspection	Y	Periodic			
	6. Verify fabrications comply with design drawings.	Shop (1) and field inspection	Y	Observe (4)			
	7. Verify fabrications comply with design drawings.	Shop (1) and field inspection	Y	Observe (4)			
	8. Verify fabrications comply with design drawings.	Shop (1) and field inspection	Y	Observe or Perform as noted (4)			
	9. Verify fabrications comply with design drawings.	Shop (1) and field inspection	Y	Observe or Perform as noted (4)			
	10. Verify fabrications comply with design drawings.	Shop (1) and field inspection	Y	Observe or Perform as noted (4)			

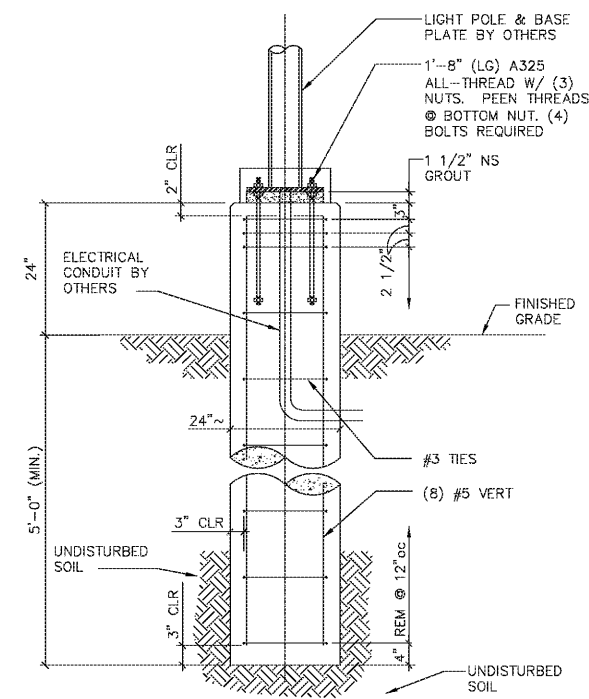
PROJECT	MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT	EXTENT	AGENT	DATE COMPLETED
(C) Level C Quality Assurance	1. Verification of Rein and Fuc to be completed and for least 5000 SF during construction.	Testing by test strength method or prism test method	N	Periodic			
	2. Verification of placement of concrete in prepared or precast concrete, grout, and other than self-consolidating grout, as delivered to the project site.	Field inspection	N	Continuous			
	3. Verify placement of masonry units.	Field inspection	N	Periodic			
	(D) Levels B and C Quality Assurance						
	1. Verification of Slump, Flow and Taut Stability Index (TSI) of self-consolidating grout as delivered to the project site.	Field testing	Y	Continuous			
	2. Verify compliance with approved submittals.	Field inspection	Y	Periodic			
	3. Verify preparations of sub-grade, mortar, grout and prestressing grout for tendon tendons.	Field inspection	Y	Periodic			
	4. Verify grout type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorage.	Field inspection	Y	Periodic			
	5. Verify construction of mortar joints.	Field inspection	Y	Periodic			
	6. Verify placement of reinforcement, connectors, and prestressing tendons and anchorage.	Field inspection	Y	Level B - Periodic			

PROJECT	MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT	EXTENT	AGENT	DATE COMPLETED
(E) Level B Quality Assurance	1. Verification of Rein and Fuc to be completed and for least 5000 SF during construction.	Testing by test strength method or prism test method	N	Periodic			
	2. Verification of placement of concrete in prepared or precast concrete, grout, and other than self-consolidating grout, as delivered to the project site.	Field inspection	N	Continuous			
	3. Verify placement of masonry units.	Field inspection	N	Periodic			
	(F) Level B Quality Assurance						
	1. Verification of Slump, Flow and Taut Stability Index (TSI) of self-consolidating grout as delivered to the project site.	Field testing	Y	Continuous			
	2. Verify compliance with approved submittals.	Field inspection	Y	Periodic			
	3. Verify preparations of sub-grade, mortar, grout and prestressing grout for tendon tendons.	Field inspection	Y	Periodic			
	4. Verify grout type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorage.	Field inspection	Y	Periodic			
	5. Verify construction of mortar joints.	Field inspection	Y	Periodic			
	6. Verify placement of reinforcement, connectors, and prestressing tendons and anchorage.	Field inspection	Y	Level B - Periodic			

PROJECT	MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT	EXTENT	AGENT	DATE COMPLETED
1705.2 Steel Construction	1. Manufacturer's certified steel report.	Substantial Review	Y	Each submittal			
	2. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	3. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	4. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	5. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	6. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	7. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	8. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	9. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			
	10. Connections of end-plate steel deck to supporting structure.	Shop (1) and field inspection	Y	Periodic			

PROJECT	MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT	EXTENT	AGENT	DATE COMPLETED
1705.3 Wood Construction	1. Verification of the fabrication process of wood structural elements and assemblies in accordance with design drawings.	In-plant review (2)	N	Periodic			
	2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field inspection	N	Periodic			
	3. For high-load diaphragms, verify nominal size of framing members at separating panel edges, nail or staple diameter and length, number of fasteners, and that spacing between fasteners in each line and at large margins agree with approved building plans.	Field inspection	N	Periodic			
	4. Metal-plate-connected wood joists spanning 10 feet or greater between secondary and primary wallbracing are installed in accordance with the approved truss submittal package.	Field inspection	N	Periodic			
	5. Verify materials, bolts, shutoff hardware and fasteners are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic			
	6. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic			
	7. Fastener classification and backing is controlled by materials.	Field inspection	Y	Periodic			
	8. Verify use of proper materials, fasteners, and all connections during placement and compaction of concrete.	Field inspection	Y	Continuous			
	9. Prior to placement of concrete, observe subgrade and verify that site has been prepared properly.	Field inspection	Y	Periodic			

PROJECT	MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT	EXTENT	AGENT	DATE COMPLETED
1705.4 Masonry	1. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level B - Periodic			
	2. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level C - Continuous			
	3. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level B - Periodic			
	4. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level C - Continuous			
	5. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level B - Periodic			
	6. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level C - Continuous			
	7. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level B - Periodic			
	8. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level C - Continuous			
	9. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level B - Periodic			
	10. Verify placement of AAC masonry units and construction of thin-bed mortar joints (see 5000 SF of AAC masonry).	Field inspection	N	Level C - Continuous			



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 Prototype 9100 SF B
 Store # 22718
 DG Woodstock
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 Woodstock, GA

CONSTRUCTION DOCUMENTS

PROJECT NO.: 8095.97
 ISSUED: 01/15/2021

STRUCTURAL GENERAL NOTES (CONT.)

S0.2

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