

APPLICABLE CODES AND ANALYSIS:

INTERNATIONAL BUILDING CODE (IBC) 2012 ED, WITH 2017/2018 GA AMENDMENTS

RULES & REGULATIONS OF THE SAFETY FIRE COMMISSIONER FOR THE STATE MINIMUM FIRE SAFETY STANDARDS, 8/31/2003.

NFPA 101 LIFE SAFETY CODE, 2012 ED, WITH GA AMENDMENTS

INTERNATIONAL FUEL GAS CODE 2012, WITH 2014/2015 GA AMENDMENTS

INTERNATIONAL MECHANICAL CODE 2012, WITH 2014/2015 GA AMENDMENTS

INTERNATIONAL PLUMBING CODE 2012, WITH 2014/2015 GA AMENDMENTS

INTERNATIONAL FIRE CODE 2012, WITH 2014/2015 GA AMENDMENTS

GA ACCESSIBILITY CODE, CHAPTER 120-3-20(01-08) 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

INTERNATIONAL ENERGY CONSERVATION CODE 2012, WITH GA AMENDMENTS

NFPA NATIONAL ELECTRICAL CODE 2017

IBC-312.1 UTILITY/MISCELLANEOUS RESTROOMS

TABLE 503 - ALLOWABLE HEIGHT/AREA RESTROOM TYPE VB 1 STORY, 5,500 SF

TABLE 1004.1 - OCCUPANT LOAD RESTROOM 100 SF/PERSON (620 SF) = 7 OCCUPANTS

TABLE 2902.1 - PLUMBING FIXTURES ASSEMBLY (A5) WC LAV MEN 1:75 1:200 WOMEN 1:40 1:150

NFPA-6.1.2 ASSEMBLY OCCUPANCY

CITY OF DUNWOODY WINDWOOD HOLLOW PARK RESTROOM

ISSUED FOR PERMIT MARCH 28, 2018

DRAWING INDEX:

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A0.1	03/28/2018	INFORMATION SHEET
	03/06/2018	SITE INFO/COVER
2of4	03/06/2018	SITE EXISTING CONDITIONS
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4of4	03/06/2018	SITE DETAILS
A1.1	03/28/2018	FLOOR PLANS, RCP
A1.2	03/28/2018	FRAMING PLANS
A2.1	03/28/2018	EXTERIOR ELEVATIONS
A3.1	03/28/2018	SECTIONS/DETAILS
A4.1	07/18/2018	SPECIFICATIONS
A4.2	07/18/2018	SPECIFICATIONS
M0.1	03/28/2018	NOTES, DIAGRAMS
M1.1	03/28/2018	PLANS
P0.1	03/28/2018	GENERAL NOTES, RISER DIAGRAMS
P1.1	03/28/2018	PLUMBING PLANS
E1	03/28/2018	GENERAL NOTES
E2	03/28/2018	ELECTRICAL PLANS
E3	03/28/2018	SPECIFICATIONS

PROJECT DESCRIPTION:

THE SCOPE OF THE WORK DESCRIBED WITHIN THESE DOCUMENTS SHALL INCLUDE THE CONSTRUCTION OF ONE (1) STRUCTURE--

BUILDING	AREA	LOCATION
RESTROOM	225SF	WINDWOOD HOLLOW PARK

NOTE THAT A BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED ON THE DOMESTIC WATER SERVICE BEING DELIVERED TO THE FACILITY.

THIS STRUCTURE IS UNDERSTOOD TO EXPEND LESS THAN THE PRESCRIBED AMOUNT OF ENERGY FOR SPACE CONDITIONING, AND THEREFORE NO ENERGY LOAD ANALYSIS HAS BEEN INCLUDED.

THIS STRUCTURE IS WOOD FRAMED CONSTRUCTION (TYPE VB) AND ON-GRADE SLAB.

THE ARCHITECT SHALL PERFORM CONSTRUCTION ADMINISTRATION SERVICES.

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	ADDITIONAL REQUIREMENTS	IBC SECTION
1. AS MASONRY CONSTRUCTION BEGINS THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: A. PREPARATION OF SITE PREPARED MORTAR B. CONSTRUCTION OF MORTAR JOINTS C. LOCATION OF REINFORCEMENT AND CONNECTORS				ART. 2. A ART. 3.3B ART. 3.4.3. A
2. THE INSPECTION PROGRAM SHALL VERIFY: A. SIZE AND LOCATION OF STRUTS AND BRACINGS B. TYPE, SIZE AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS C. SPECIFICATION OF MORTAR AND TYPE OF REINFORCING LAP SPICE REQUIREMENTS D. WELDING OF REINFORCING BARS E. PROTECTION OF MASONRY FROM EXCESSIVE WEATHER TEMPERATURES				ART. 3.2 SEC. 1.2.2 2.1.4.3.1 ART. 2.4.3.4 SEC. 2.1.10.7.2 SEC. 3.3.3.4 ART. 1.8C 1.8D
3. PRIOR TO GRADING THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: A. GRADING SPACE IS CLEAN B. PLACEMENT OF REINFORCEMENT CONNECTORS C. PROTECTIONS OF SITE PREPARED GRADING D. CONSTRUCTION OF MORTAR JOINTS				ART. 3.2D SEC. 1.8C ART. 3.4 ART. 2. B ART. 3.3B
4. GRADING PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENTS				ART. 3.5
5. PREPARATION OF MASONRY JOINTS SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENTS				ART. 1.4 SEC. 2105.3 2105.2.2
6. THE INSPECTION PROGRAM SHALL VERIFY THE FOLLOWING: A. THE MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS B. THE MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS				ART. 1.5
7. REVIEW CONSTRUCTION OF MASONRY TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENTS				SEC. 1708.1.3
8. VERIFY CONSTRUCTION AND PROTECT TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENTS				SEC. 1708.1.3

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT			ACI 308.5S 7.1.7.7	1.05.5 1.07.1.14.4
2. INSPECTION OF BARS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE				1.11.5
3. VERIFYING OF REINFORCING DESIGN			ACI 308.5S 7.1.4.2.5.4	1.06.1.05.2 1.06.4
4. SAMPLING AND TESTING OF CONCRETE AND PERFORMING AIR CONTENT AND TESTING OF TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS			ASTM C172 ASTM C311 ACI 308.5.5.8	1.06 1.14.10
5. INSPECTION OF CONCRETE FOR PROPER APPLICATION TECHNIQUES			ACI 308.5.5.10	1.05.1.05.10
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CONCRETE TEMPERATURE AND TOLERANCES			ACI 308.5.11.5.1.3	1.05.11.05.13
7. ERECTION OF PRECAST CONCRETE MEMBERS			ACI 308.5.11.5.1.1	
8. VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS			ACI 308.5.11.5.1.2	
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.			ACI 308.5.11.5.1.1	

VERIFICATION & INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY OF 2,500 PSF		X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIAL		X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	X	
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X

DESIGN CRITERIA:

- BUILDING CODE - INTERNATIONAL BUILDING CODE 2006 WITH GEORGIA AMENDMENTS.
- WIND LOADS:
A. BASIC WIND SPEED..... 90 MPH
B. IMPORTANCE FACTOR (I_w)..... 1.00
C. EXPOSURE CATEGORY..... B
BASE WIND PRESSURE..... MIN. INTERIOR WALL LOAD 10 PSF
- EARTHQUAKE LOADS:
A. OCCUPANCY CATEGORY..... II
B. SDS =..... 0.213
C. SD1 =..... 0.128
D. SITE CLASS..... B
E. SEISMIC DESIGN CATEGORY..... D
IMPORTANCE FACTOR..... ORDINARY REINFORCED MASONRY SHEAR
F. RESPONSE MODIFICATION COEFFICIENT R =..... 3.0
G. EQUIVALENT LATERAL FORCE PROCEDURE..... 2 K ADD'L FROM NEW MEZZANINE
H. DESIGN BASE SHEAR =.....

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WINDWOOD HOLLOW PARK RESTROOM ADDITION
4865 LAKESIDE DRIVE
DUNWOODY, GA 30360

SEAL

LOCATION

SHEET TITLE

DRAWN:
CHECKED:
SCALE:

DATE PRINTED
3/28/2018

REV	DATE	REMARKS
2	7/18/18	PERMIT COMMENTS

SHEET NUMBER
A0.1
OF SHEETS