

CONCRETE CONSTRUCTION				
Concrete (2017 FBC, Table 1705.3, 1705.12.1)				
Required	Task	Extent	Description	Service
Y	1. Reinforcing steel, including post-tensioned tendons	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.	Field inspection
Y	2. Anchors cast in concrete	Periodic	Verify prior to placing concrete that cast in anchors have proper embedment, spacing and edge distance.	Field inspection
Y	3. Post-installed anchors or dowels	Periodic	Inspect all post-installed anchors/dowels as required by the approved ICC-ES report.	Field inspection and/or anchor capacity testing
Y	4. Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents.	Submittal review and field verification
Y	5. Concrete slump, air content, and temperature	Continuous	At the time fresh concrete is sampled to fabricate specimens for strength test, verify these tests are performed.	Field inspection
Y	6. Concrete & shotcrete placement	Continuous	Verify proper application techniques are used during concrete conveyance and placing avoids segregation or contamination. Verify that concrete is properly consolidated.	Field inspection
Y	7. Curing temperature and techniques	Periodic	Inspect curing, cold weather protection and hot weather protection procedures	Field inspection
Y	8. Post-tensioned concrete	Continuous	Verify application of prestressing forces and grouting of bonded prestressing tendons in the seismic force-resisting system.	Field inspection
N	9. Erection of precast concrete	Periodic	Verify that all precast elements are lifted, assembled and braced in accordance with the approved construction documents.	Field inspection
Y	10. In-situ concrete strength verification	Periodic	Prior to the removal of shores and forms or the stressing of post-tensioned tendons, verify that adequate strength has been achieved.	Field inspection
Y	11 Formwork	Periodic	Inspect the forms to ensure that they are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.	Field inspection
N	12. Reinforcement complying with ASTM A615 in special moment frames, special structural walls and coupling beams (only when Special Inspections for seismic resistance is required)	Periodic	Verify that ASTM A615 reinforcing steel used in these areas complies with ACI 318: 21.1.5.2 by means of certified mill test reports. If this reinforcing steel is to be welded, chemical tests shall be performed in accordance with ACI 318: 3.5.2.	Field inspection
N	13. Reinforcement placement within progressive collapse resisting system (only when Special Inspections for progressive collapse resistance is required)	Continuous	Visually inspect reinforcing steel placement with a particular emphasis on reinforcing steel anchorages, laps and other details within the progressive collapse resisting system, including horizontal tie force elements, vertical tie force elements and bridging elements.	Field inspection

  

SOILS CONSTRUCTION				
Soil (2015 IBC, Table 1705.6)				
Required	Task	Extent	Description	Service
Y	1. Foundation bearing capacity	Periodic	Verify the materials below foundations are adequate to achieve the design bearing capacity.	Field inspection
Y	2. Excavations	Periodic	Verify the excavations are extended to the proper depth and have reached proper material.	Field inspection
Y	3. Perform classification and testing of compacted fill materials	Periodic		Field inspection
Y	4. Compacted fill material	Continuous	Verify the use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	Field inspection
Y	5. Subgrade	Periodic	Prior to placement of compacted fill, observe sub-grade and verify that the site has been properly prepared.	Field inspection

  

WOOD CONSTRUCTION				
Wood (2015 IBC, Table 1705.5, 1705.10.1 & 1705.11.2)				
Required	Task	Extent	Description	Service
Y	1. High-load diaphragms	Periodic	Verify thickness and grade of sheathing, size of framing members at panel edges, nail/staple diameters and length, and the number of fastener lines and fastener spacing are per approved construction...	Field inspection
N	2. Metal-plate-connected wood trusses spanning 60' or greater	Periodic	Verify that temporary and permanent truss bracing is installed in accordance with approved truss package.	Submittal review and field verification
N	3. Field gluing (only when Special Inspections for wind or seismic resistance is required)	Continuous	Inspect all field gluing of structural wood elements within the main wind force or seismic force resisting systems.	Field inspection
N	4. Nailing, bolting, anchoring and other fastening of components (only when Special Inspections for wind or seismic resistance is required))	Periodic	If fasteners within the main wind force or seismic force resisting systems are spaced less than 4", verify that proper nailing, bolting, anchoring and other fastening of shear walls, diaphragms,...	Field inspection
N	5. Nailing, bolting, anchoring and other fastening of components (only when Special Inspections for progressive collapse resistance is required)	Periodic	Verify proper nailing, bolting, anchoring, and other fastening components within the progressive collapse resisting system, including horizontal tie force elements, vertical tie force elements an...	Field inspection

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Soil (2015 IBC: Table 1705.6)				
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Y	1. Foundation bearing capacity	Periodic	Verify the materials below foundations are adequate to achieve the design bearing capacity.	Field inspection
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Y	3. Perform classification and testing of compacted fill materials	Periodic		Field inspection
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N	2. Metal-plate-connected wood trusses spanning 60' or greater	Periodic	Verify that temporary and permanent truss bracing is installed in accordance with approved truss package.	Submittal review and field verification
N	3. Field gluing (only when Special Inspections for wind or seismic resistance is required)	Continuous	Inspect all field gluing of structural wood elements within the main wind force or seismic force resisting systems.	Field inspection
N	4. Nailing, bolting, anchoring and other fastening of components (only when Special Inspections for wind or seismic resistance is required)	Periodic	If fasteners within the main wind force or seismic force resisting systems are spaced less than 4", verify that proper nailing, bolting, anchoring and other fastening of shear walls, diaphragms,...	Field inspection
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<b>PROJECT INFORMATION</b>		
PROJECT:		
WESTWOOD AT WINTER HAVEN APARTMENTS		
PROJECT ADDRESS:		
Avenue G Winter Haven, FL 36801 HUD # 067-35554		
PROJECT NO.:	1808888	
<b>ACTIVE DESIGN PHASE</b>		
<input type="checkbox"/>	FOR REVIEW ONLY	
<input type="checkbox"/>	FOR PERMITTING ONLY	
<input type="checkbox"/>	SCHEMATIC DESIGN	
<input type="checkbox"/>	DESIGN DEVELOPMENT	
<input type="checkbox"/>	CONSTRUCTION BIDDING	
<input checked="" type="checkbox"/>	CONSTRUCTION DOCUMENTS	
<input type="checkbox"/>	AS-BUILT RECORD SET	
<b>REVISION INFORMATION</b>		
NO.	DATE	DESCRIPTION
<b>KEY PLAN</b>		
<b>SHEET INFORMATION</b>		
SHEET ISSUED:		03-25-19
DESIGNED BY:	KRG	
DRAWN BY:	JCP	
REVIEWED BY:	RMG	
SHEET TITLE:		
<b>SPECIAL INSPECTIONS</b>		
SHEET NO.:		
S002		