

SPECIAL INSPECTION SCHEDULE: SOILS				
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	INSPECTION FREQUENCY		REMARKS
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	Y	C	--	VERIFY FOUNDATION BEARING CAPACITY OF ALL FOOTINGS.
2. VERIFY EXAMINATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	Y	--	P	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	Y	--	P	VERIFY STRUCTURAL FILL COMPLIES WITH SPECIFICATIONS AND THE PROJECT GEOLOGICAL REPORT.
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Y	P	--	PERFORM FIELD DENSITY TEST TO VERIFY COMPACTION OF STRUCTURAL FILL. AS A MINIMUM, PERFORM ONE TEST PER LIFT FOR EVERY 2500 SQUARE FEET OF FILL PLACED.
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	Y	--	P	OBSERVE PHOTOLOGGING.

SPECIAL INSPECTION SCHEDULE: CAST-IN-PLACE FOUNDATION ELEMENTS				
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	INSPECTION FREQUENCY		REMARKS
1. SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE FOUNDATION CONSTRUCTION IN ACCORDANCE WITH THE SPECIAL INSPECTION SCHEDULE CAST-IN-PLACE CONCRETE FOR THE FOLLOWING FOUNDATION ELEMENTS:				
A. ISOLATED SPREAD CONCRETE FOOTINGS	Y	--	P	
B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS	Y	--	P	
C. CONCRETE FOUNDATION WALLS	Y	--	P	

SPECIAL INSPECTION SCHEDULE: STRUCTURAL STEEL CONSTRUCTION				
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	INSPECTION FREQUENCY		REMARKS
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	Y	--	P	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	Y	--	P	CONTRACTOR SHALL SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR HIGH-STRENGTH BOLTING AND WELD-FILLER MATERIALS.
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
A. SNUG-TIGHT JOINTS	Y	--	P	
B. PRETENSIONED AND SLP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCH-MARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	Y	--	P	
C. PRETENSIONED AND SLP CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCH-MARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	N	C	--	
D. VERIFICATION OF ANCHOR ROD SIZE, CONFIGURATION, AND EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.	Y	--	P	
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS AND AISI 360.	Y	--	P	
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	Y	--	P	CONTRACTOR SHALL SUBMIT CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL.
4. MATERIAL VERIFICATION OF WELD-FILLER MATERIALS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	Y	--	P	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	Y	--	P	
5. INSPECTION OF WELDING, STRUCTURAL STEEL:				SEE NOTE 4
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	Y	C	--	COMPLETE AND PARTIAL PENETRATION GROOVE WELDS: 1. REASONABLY INSPECT 10% OF THE COMPLETE PENETRATION WELDS.
B. MULTIPASS FILLET WELDS	Y	C	--	
C. SINGLE-PASS FILLET WELDS > 5/16"	Y	C	--	
D. SINGLE-PASS FILLET WELDS < 5/16"	Y	--	P	
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
A. DETAILS SUCH AS BRACING AND STIFFENING	Y	--	P	
B. MEMBER LOCATIONS	Y	--	P	
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	Y	--	P	
D. STUD SHEAR CONNECTORS SPACING AND LOCATION. VISUALLY INSPECT WELDING OF STUD SHEAR CONNECTORS.	Y	--	P	

SPECIAL INSPECTION SCHEDULE: STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL				
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	INSPECTION FREQUENCY		REMARKS
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	Y	--	P	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	Y	--	P	
2. INSPECTION OF WELDING, COLD-FORMED STEEL DECK:				
A. FLOOR AND ROOF DECK WELDS	Y	--	P	
3. INSPECTION OF STEEL JOISTS:				
A. VISUAL INSPECTION OF BOLTED AND WELDED CONNECTIONS.	Y	--	P	
B. VERIFY INSTALLATION OF BRIDGING AND BRACES.	Y	--	P	
C. VERIFY CONNECTIONS FOR TOP AND BOTTOM CHORDS.	Y	--	P	
D. VERIFY REINFORCEMENT OF MEMBERS FOR CONCENTRATED LOADS.	Y	--	P	
E. VERIFY PROPER BEARING.	Y	--	P	

SPECIAL INSPECTION SCHEDULE: CONCRETE CONSTRUCTION				
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS PROJECT?	INSPECTION FREQUENCY		REMARKS
1. INSPECTION OF REINFORCING STEEL GRADE, SIZE, QUANTITY, LOCATION AND SPACING.	Y	--	P	INSPECT SIZE, POSITIONING AND EMBEDMENT OF ANCHOR RODS. INSPECT CONCRETE PLACEMENT AND CONSOLIDATION (VIBRATION AND/OR TAMPING).
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH THE SPECIAL INSPECTION SCHEDULE STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL, ITEM 3:				
A. VERIFICATION OF THE ABILITY OF REINFORCING STEEL TO BE WELDED:	N	--	--	
B. REINFORCING STEEL WELDS IN STRUCTURAL AND ANCHOR RODS: VERIFY WELDS IN TENSILE AND MOMENT FRAMES AND BOLTED CONNECTIONS OF STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	N	--	--	
C. SHEAR REINFORCEMENT	N	--	--	
D. OTHER REINFORCING STEEL	N	--	--	
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE UNDESIRABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	N	--	--	
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	Y	--	P	
5. VERIFYING USE OF REQUIRED DESIGN MIX.	Y	--	P	SEE NOTES 1 & 3
6. AT THE TIME FRESH CONCRETE IS SAMPLED, TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	C	--	EXAMINE CONCRETE IN TRUCK TO VERIFY THAT CONCRETE APPEARS PROPERLY MIXED. RECORD IF WATER OR ADMIXTURES ARE ADDED TO THE CONCRETE AT THE JOB SITE. PERFORM ADDITIONAL SLUMP TESTS AFTER JOB SITE ADJUSTMENTS. SEE NOTE 4
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	N	--	--	
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	Y	--	P	INSPECT CURING, COLD WEATHER PROTECTION AND HOT WEATHER PROTECTION PROCEDURES.
9. INSPECTION OF POST-TENSIONING CONCRETE:				
A. APPLICATION OF POST-TENSIONING FORCES	Y	C	--	
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE-RESISTING SYSTEM.	N	--	--	
10. ERECTION OF PRECAST CONCRETE MEMBERS	Y	--	P	
11. 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.	Y	C	--	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	--	P	

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS/QUALITY ASSURANCE PROGRAM

GENERAL:

THIS STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS PLAN IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE STRUCTURAL TESTING AND INSPECTION OF THE WORK REQUIRED BY CHAPTER 17 OF THE BUILDING CODE THAT IS WITHIN THE SCOPE OF THE STRUCTURAL ENGINEERING SERVICES FOR THIS PROJECT. REFER TO OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS FOR TESTING AND INSPECTIONS REQUIRED OF ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR OTHER BUILDING COMPONENTS.

CONTRACTOR RESPONSIBILITIES:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTIONS CONTAINED WITHIN THIS STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS.
2. ACKNOWLEDGEMENT THAT CONTROL SHALL BE MAINTAINED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
4. IDENTIFICATION AND QUALIFICATION OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

THE SPECIAL TESTING AGENCY THAT IS TO ACT AS THE SPECIAL INSPECTOR WILL BE HIRED BY THE OWNER, BUT CONTRACTOR SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR WORK OR MATERIALS NOT COMPLYING WITH THE CONSTRUCTION DOCUMENTS DUE TO NEGLIGENCE OR NON-COMPLIANCE AND SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR HIS CONVENIENCE.

CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SPECIAL INSPECTOR IS PRESENT FOR ALL WORK REQUIRING SPECIAL INSPECTION. ANY WORK THAT REQUIRES SPECIAL INSPECTION AND IS NOT PRESENT WITHOUT THE SPECIAL INSPECTOR BEING PRESENT IS SUBJECT TO BEING DEMOLISHED AND RECONSTRUCTED.

CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

1. PROVIDE COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
2. NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
3. COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
4. PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
5. PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
6. PROVIDE LABOR TO ASSIST THE SPECIAL INSPECTOR IN PERFORMING TESTS/INSPECTIONS.

SPECIAL INSPECTOR'S RESPONSIBILITIES:

THE SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER LICENSED IN AND PRACTICING IN THE STATE OF FLORIDA OR IS PERFORMING APPROPRIATE DUTIES DIRECTLY UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA AND HAS A THOROUGH UNDERSTANDING OF THE SPECIAL INSPECTION REQUIREMENTS OF THE 2017 FBC. THE SPECIAL INSPECTOR SHALL BE AN INDIVIDUAL OR INDIVIDUALS CERTIFIED OR EXPERIENCED TO PERFORM SUCH INSPECTIONS IN A PARTICULAR FIELD.

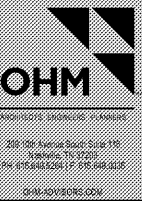
THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. PERIODIC REPORTS SHALL BE PROVIDED AND SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED TO THE SATISFACTION OF THE SPECIAL INSPECTOR, THE DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

A WEEKLY REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED. AT THE COMPLETION OF THE SPECIAL INSPECTIONS, THE LICENSED PROFESSIONAL ENGINEER IN CHARGE OF PERFORMING THE SPECIAL INSPECTION SHALL CERTIFY THE FINAL SPECIAL INSPECTION REPORT AND AFFIX HIS/HER SEAL TO THE SPECIAL INSPECTOR'S FINAL REPORT. PROVIDE THREE (3) COPIES OF THIS REPORT: TWO TO THE ARCHITECT AND ONE TO THE STRUCTURAL ENGINEER OF RECORD.

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1925 Prospect Ave.
Orlando, FL 32814
P (407) 661-9100
F (407) 661-9101
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PROJECT NAME: HUTTON DEVELOPMENT

PROJECT NAME: ROCKLEDGE FLATS - BUILDING C
220 Barton Boulevard
Rockledge, FL 32955

SHEET TITLE: QUALITY ASSURANCE



Revision Schedule	
No.	Description

PROJECT NO.	060-15010
DATE	20/09/19
DRAWN	EMC
CHECKED	EMC

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GMP PRICING SET SET 15 NOVEMBER 2019