SCHEDULE OF SPECIAL INSPECTIONS

1705.2 STEEL CONSTRUCTION		
MATERIAL / ACTIVITY	SERVICE	EXTENT
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	EACH SUBMITTAL
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL	SHOP AND FIELD INSPECTION	PERIODIC
3. EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	PERIODIC
4. VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	PERIODIC
5. STRUCTURAL STEEL WELDING:		
a. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1)	SHOP AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED
b. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP AND FIELD INSPECTION	OBSERVE
c. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	SHOP AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED
d. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS: SEE COMMENTARY		
1.) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP OR FIELD ULTRASONIC TESTING - 10% OF WELDS MINIMUM	PERIODIC
2.) THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL t > 2"	SHOP OR FIELD MAGNETIC PARTICLE OR PENETRANT TESTING	PERIODIC
3.) WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3 TABLE A-3.1	SHOP OR FIELD RADIOGRAPHIC OR ULTRASONIC TESTING	PERIODIC
4.) FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT	VERIFY REPORTS	EACH SUBMITTAL
6. STRUCTURAL STEEL BOLTING:	SHOP AND FIELD INSPECTION	
a. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)		OBSERVE OR PERFORM AS NOTED
b. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)		OBSERVE
1.) PRE-TENSIONED AND SLIP-CRITICAL JOINTS		
a.) TURN-OF-NUT WITH MATCHING MARKINGS		PERIODIC
b.) DIRECT TENSION INDICATOR		PERIODIC
c.) TWIST-OFF TYPE TENSION CONTROL BOLT		PERIODIC
d.) TURN-OF-NUT WITHOUT MATCHING MARKINGS		CONTINUOUS
e.) CALIBRATED WRENCH		CONTINUOUS
2.) SNUG-TIGHT JOINTS		PERIODIC
c. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3)		PERFORM
7. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N6.1	SHOP AND FIELD INSPECTION AND TESTING	OBSERVE OR PERFORM AS NOTED

1705.3 CONCRETE CONSTRUCTION		
MATERIAL / ACTIVITY	SERVICE	EXTENT
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT	SHOP AND FIELD INSPECTION	PERIODIC
2. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	SHOP AND FIELD INSPECTION	PERIODIC
3. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS[b]	SHOP AND FIELD INSPECTION	PERIODIC
4. VERIFY USE OF REQUIRED DESIGN MIX	SHOP AND FIELD INSPECTION	PERIODIC
5. 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	SHOP AND FIELD INSPECTION	CONTINUOUS
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP AND FIELD INSPECTION	PERIODIC
7. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS FOR THE CONCRETE MEMBER TO BE FORMED	FIELD INSPECTION	PERIODIC

NOTES:

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.11 SPECIAL INSTRUCTIONS FOR SEISMIC RESISTANCE.

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 355.2 OR OTHER QUALIFICATIONS PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS		
MATERIAL / ACTIVITY	SERVICE	EXTENT
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	FIELD INSPECTION	PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	FIELD INSPECTION	PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	FIELD INSPECTION	PERIODIC
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	FIELD INSPECTION	CONTINUOUS
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	PERIODIC

1705.4 MASONRY CONSTRUCTION		
MATERIAL / ACTIVITY	SERVICE	EXTENT
1. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	PERIODIC
2. VERIFY OF f'_m PRIOR TO CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	PERIODIC
3. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) OF SELF-CONSOLIDATING GROUT AS DELIVERED TO THE PROJECT	FIELD INSPECTION	CONTINUOUS
4. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	PERIODIC
5. VERIFY PROPORTIONS OF SITE-MIXED MORTAR, GROUT	FIELD INSPECTION	PERIODIC
6. VERIFY GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS	FIELD INSPECTION	PERIODIC
7. VERIFY CONSTRUCTION OF MORTAR JOINTS	FIELD INSPECTION	PERIODIC
8. VERIFY PLACEMENT OF REINFORCEMENT, AND CONNECTORS	FIELD INSPECTION	PERIODIC
9. VERIFY GROUT SPACE PRIOR TO GROUTING	FIELD INSPECTION	PERIODIC
10. VERIFY PLACEMENT OF GROUT	FIELD INSPECTION	CONTINUOUS
11. VERIFY SIZE AND LOCATION OF STRUCTURAL MASONRY ELEMENTS	FIELD INSPECTION	PERIODIC
12. VERIFY TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	FIELD INSPECTION	PERIODIC
13. VERIFY PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	FIELD INSPECTION	PERIODIC
14. PREPARE GROUT AND MORTAR SPECIMENS	FIELD INSPECTION	PERIODIC
15. OBSERVE PREPARATION OF PRISMS	FIELD INSPECTION	PERIODIC

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MARK	DESCRIPTION	DATE

DESIGNED BY: MWH
DRAWN BY: MWH
CHECKED BY: BK
SUBMITTED BY:
ISSUED FOR CONSTRUCTION: 15-07-2020

THESE DRAWINGS ARE INCOMPLETE WITHOUT THE SPECIFICATIONS PREPARED BY THE ENGINEER OF RECORD

DOCUMENT CLASSIFICATION: BUSINESS JET/GA STORAGE (BIT)

TYPE OF CONSTRUCTION: TYPE II-B NON-COMBUSTIBLE

THESE MAPS ARE A CAD REPRESENTATION OF DATA COMPILED BY POND & COMPANY AND THE ENGINEER OF RECORD AND THEIR OFFICE

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SCHEDULE OF SPECIAL INSPECTIONS

SHEET ID
S-004

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CONSTRUCTION DOCUMENTS

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