

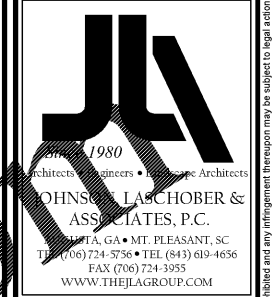
GENERAL NOTES - STRUCTURAL TESTS & SPECIAL INSPECTIONS (IBC 2012)

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| 1704 SPECIAL INSPECTIONS | | |
| THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. | | |
| 1704.3 STATEMENT OF SPECIAL INSPECTIONS | | |
| THE PROVISIONS AS OUTLINED ON THESE DESIGN DOCUMENTS DEFINE THE STRUCTURAL SPECIAL INSPECTIONS APPLICABLE TO THE PROJECT. THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY THE LOCAL JURISDICTION FOR PERMIT APPLICATIONS IS TO BE PREPARED USING THE INFORMATION PRESENTED HERE. | | |
| 1704.3.1 REPORT REQUIREMENTS | | |
| SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS 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, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK. | | |
| 1704.4 CONTRACTOR RESPONSIBILITY | | |
| EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND AND/OR A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED WIND AND/OR SEISMIC SYSTEM OR COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN. | | |
| 1704.5 INSPECTION OF FABRICATORS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| VERIFY FABRICATION/QUALITY CONTROL PROCEDURES | IN PLANT REVIEW | PERIODIC |
| 1705.1.1 SPECIAL CASES | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| (WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS) | SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION | |
| 1705.2 STEEL CONSTRUCTION | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| 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 |
| MATERIAL VERIFICATION OF STRUCTURAL STEEL | SHOP AND FIELD INSPECTION | PERIODIC |
| EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT - SEE 1705.3 FOR ANCHORS) | FIELD INSPECTION | PERIODIC |
| VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS | FIELD INSPECTION | PERIODIC |
| 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: | | |
| 1) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV | SHOP OR FIELD ULTRASONIC TESTING - 100% | PERIODIC |
| 2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II | SHOP OR FIELD ULTRASONIC TESTING - 10% OF WELDS MINIMUM | PERIODIC |
| 3) THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL t > 2" | SHOP OR FIELD MAGNETIC PARTIAL OR PENETRANT TESTING | PERIODIC |
| 4) WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1 | SHOP OR FIELD RADIOGRAPHIC OR ULTRASONIC TESTING | PERIODIC |
| 5) FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT | VERIFY REPORTS | EACH SUBMITTAL |
| STRUCTURAL STEEL BOLTING: | | |
| 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) | SHOP AND FIELD INSPECTION | 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 | | |
| c) CALIBRATED WRENCH | | 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 |
| INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N6.1 | | |
| 1705.2.2 STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| MATERIAL VERIFICATION OF COLD-FORMED STEEL CHECK | | |
| A. IDENTIFICATION MARKINGS | FIELD INSPECTION | PERIODIC |
| B. MANUFACTURER'S CERTIFIED TEST REPORTS | SUBMITTAL REVIEW | EACH SUBMITTAL |
| CONNECTION OF COLD-FORMED STEEL TO SUPPORT STRUCTURE: | | |
| A. WELDING | SHOP AND FIELD INSPECTION | PERIODIC |
| B. OTHER FASTENERS (IN ACCORDANCE WITH AISC 360, SECTION N6) | | |
| 1) VERIFY FASTENERS IN CONFORMANCE WITH APPROVED SUBMITTAL | | PERIODIC |
| 2) VERIFY FASTENER INSTALLATION IS IN CONFORMANCE WITH APPROVED SUBMITTAL AND MANUFACTURER'S RECOMMENDATIONS | | PERIODIC |

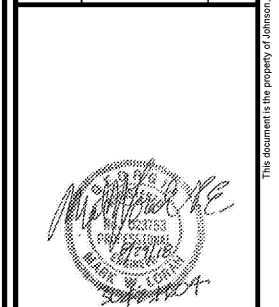
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| REINFORCING STEEL: | | |
| A. VERIFICATION OF WELDABILITY OF STEEL OTHER THAN ASTM A706 | SHOP AND FIELD INSPECTION | PERIODIC |
| B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL CONCRETE STRUCTURAL WALLS AND SHEAR REINFORCEMENT | | CONTINUOUS |
| C. SHEAR REINFORCEMENT | | CONTINUOUS |
| D. OTHER REINFORCING STEEL | | PERIODIC |
| COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER: | | |
| A. VERIFY TEMPORARY AND PERMANENT RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE | FIELD INSPECTION | PERIODIC |
| 1705.3 CONCRETE CONSTRUCTION | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| INSPECTION OF REINFORCING STEEL INSTALLATION (SEE 1705.2.2 FOR WELDING) | SHOP AND FIELD INSPECTION | PERIODIC |
| INSPECTION OF PRE-STRESSING STEEL INSTALLATION | SHOP AND FIELD INSPECTION | PERIODIC |
| INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED PER SECTION 1908.5 OR WHERE STRENGTH DESIGN IS USED | SHOP AND FIELD INSPECTION | PERIODIC OR AS REQ'D BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE |
| INSPECTION OF ANCHORS AND REINFORCING STEEL POST-INSTALLED IN HARDENED CONCRETE. PER RESEARCH REPORTS INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE | FIELD INSPECTION | |
| VERIFY USE OF APPROVED DESIGN MIX | SHOP AND FIELD INSPECTION | PERIODIC |
| FRESH CONCRETE SAMPLING, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE TEMPERATURE OF CONCRETE | SHOP AND FIELD INSPECTION | CONTINUOUS |
| INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES | SHOP AND FIELD INSPECTION | CONTINUOUS |
| INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES | SHOP AND FIELD INSPECTION | PERIODIC |
| INSPECTION OF PRESTRESSED CONCRETE: | SHOP AND FIELD INSPECTION | |
| A. APPLICATION OF PRE-STRESSING FORCE | | CONTINUOUS |
| B. GROUTING OF BONDED PRE-STRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM | | CONTINUOUS |
| ERECTION OF PRECAST CONCRETE MEMBERS: | | |
| A. INSPECT IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS | FIELD INSPECTION | IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS |
| B. PERFORM INSPECTIONS OF WELDING AND BOLTING IN ACCORDANCE WITH SECTION 1705.2 | FIELD INSPECTION | IN ACCORDANCE WITH SECTION 1705.2 |
| 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 | REVIEW FIELD TESTING AND LABORATORY REPORTS | PERIODIC |
| INSPECTION OF FORMWORK FOR SHAPE, LINES, LOCATION AND DIMENSIONS | FIELD INSPECTION | PERIODIC |
| CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS | FIELD TESTING AND REVIEW OF LABORATORY REPORTS | PERIODIC |
| 1705.4 MASONRY CONSTRUCTION | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| (A) LEVEL A, B AND C QUALITY ASSURANCE: | | |
| 1) VERIFY COMPLIANCE WITH APPROVED SUBMITTALS | FIELD INSPECTION | PERIODIC |
| (B) LEVEL B QUALITY ASSURANCE: | | |
| 1) VERIFICATION OF Fm AND Fabc PRIOR TO CONSTRUCTION | TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD | PERIODIC |
| (C) LEVEL C QUALITY ASSURANCE: | | |
| 1) VERIFICATION OF Fm AND Fabc PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SF DURING CONSTRUCTION | TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD | PERIODIC |
| 2) VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRE-STRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE | FIELD INSPECTION | CONTINUOUS |
| 3) VERIFY PLACEMENT OF MASONRY UNITS | FIELD INSPECTION | PERIODIC |
| (D) LEVELS B AND C QUALITY ASSURANCE: | | |
| 1) VERIFICATION OF SLUMP FLOW, VISUAL STABILITY INDEX (VSI) OF SELF-CONSOLIDATING GROUT AS DELIVERED TO THE PROJECT | FIELD TESTING | CONTINUOUS |
| 2) VERIFY COMPLIANCE WITH APPROVED SUBMITTALS | FIELD INSPECTION | PERIODIC |
| 3) VERIFY PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRE-STRESSING GROUT FOR CONSTRUCTION | FIELD INSPECTION | PERIODIC |
| 4) VERIFY GRAVITY TYPE, ANCHOR TYPE, PRE-STRESSING TENDONS AND ANCHORAGES, AND VERIFICATION OF MORTAR JOINTS | FIELD INSPECTION | PERIODIC |
| 5) VERIFY PLACEMENT OF REINFORCEMENT, CONNECTIONS AND PRE-STRESSING TENDONS AND ANCHORAGES | FIELD INSPECTION | PERIODIC |
| 6) VERIFY GROUT SPACE PRIOR TO GROUTING | FIELD INSPECTION | PERIODIC |
| 7) VERIFY PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS | FIELD INSPECTION | CONTINUOUS |
| 8) VERIFY SIZE AND LOCATION OF STRUCTURAL MASONRY ELEMENTS | FIELD INSPECTION | PERIODIC |
| 9) VERIFY TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION. | FIELD INSPECTION | PERIODIC |
| 10) VERIFY WELDING OF REINFORCEMENT (SEE 1705.2.2) | FIELD INSPECTION | CONTINUOUS |
| 11) VERIFY PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F) | FIELD INSPECTION | PERIODIC |
| 12) VERIFY APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE | FIELD INSPECTION | CONTINUOUS |
| 13) VERIFY PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS (FIRST 5000 SF OF AAC MASONRY) | FIELD INSPECTION | CONTINUOUS |
| 14) VERIFY PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS (AFTER THE FIRST 5000 SF OF AAC MASONRY) | FIELD INSPECTION | PERIODIC |
| 15) VERIFY PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY (FIRST 5000 SF OF AAC MASONRY) | FIELD INSPECTION | CONTINUOUS |

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| 17) VERIFY PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY (AFTER THE FIRST 5000 SF OF AAC MASONRY) | FIELD INSPECTION | LEVEL B - PERIODIC LEVEL C - CONTINUOUS |
| 18) PREPARE GROUT AND MORTAR SPECIMENS | FIELD TESTING | LEVEL B - PERIODIC LEVEL C - CONTINUOUS |
| 19) OBSERVE PREPARATION OF PRISMS | FIELD INSPECTION | LEVEL B - PERIODIC LEVEL C - CONTINUOUS |
| 1705.6 SOILS (STRUCTURAL) SEE CIVIL FOR MASS GRADING AND OUTSIDE BLDG LIMITS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY | FIELD INSPECTION | PERIODIC |
| VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL | FIELD INSPECTION | PERIODIC |
| PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS | FIELD INSPECTION | PERIODIC |
| VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL | FIELD INSPECTION | CONTINUOUS |
| PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY | FIELD INSPECTION | PERIODIC |
| 1705.10.2 COLD-FORMED STEEL SPECIAL INSPECTIONS FOR WIND RESISTANCE | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM | SHOP AND FIELD INSPECTION | PERIODIC |
| INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM | SHOP AND FIELD INSPECTION | PERIODIC |
| 1705.10.3 WIND-RESISTING COMPONENTS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| ROOF CLADDING | SHOP AND FIELD INSPECTION | PERIODIC |
| WALL CLADDING | SHOP AND FIELD INSPECTION | PERIODIC |
| 1705.11 SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE - DEFINED ARCH/MECH/ELEC | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| 1705.11.1 STRUCTURAL STEEL | | |
| INSPECTION OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC 341 | SHOP AND FIELD INSPECTION | IN ACCORDANCE WITH AISC 341 |
| 1705.11.3 COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION | | |
| INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM | SHOP AND FIELD INSPECTION | PERIODIC |
| INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM | SHOP AND FIELD INSPECTION | PERIODIC |
| 1705.11.4 DESIGNATED SEISMIC SYSTEMS VERIFICATION | | |
| INSPECT AND VERIFY THAT THE COMPONENT LABEL ANCHORAGE OR MOUNTING INFORMS | FIELD INSPECTION | PERIODIC |
| CERTIFICATE OF COMPLIANCE ACCORDANCE WITH SECTION 1705.12.3 | | |
| 1705.11.5 ARCHITECTURAL COMPONENTS | | |
| INSPECTION DURING INSTALLATION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR VENEER | FIELD INSPECTION | PERIODIC |
| INSPECTION DURING THE ERECTION AND FASTENING OF INTERIOR EXTERIOR NON-BEARING WALLS | FIELD INSPECTION | PERIODIC |
| INSPECTION DURING ANCHORAGE OF ACCESS FLOORS | FIELD INSPECTION | PERIODIC |
| 1705.11.6 MECHANICAL AND ELECTRICAL COMPONENTS | | |
| INSPECTION DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS | FIELD INSPECTION | PERIODIC |
| INSPECTION DURING ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT | FIELD INSPECTION | PERIODIC |
| INSPECTION DURING INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIALS, AND THEIR ASSOCIATED MECHANICAL UNITS | FIELD INSPECTION | PERIODIC |
| INSPECTION DURING THE INSTALLATION AND ANCHORAGE OF HVAC DUCTWORK THAT WILL CONTAIN HAZARDOUS MATERIALS | FIELD INSPECTION | PERIODIC |
| INSPECTION DURING INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS | FIELD INSPECTION | PERIODIC |

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| 1705.12 TESTING AND QUALIFICATION FOR SEISMIC RESISTANCE | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| 1705.12.1 CONCRETE REINFORCEMENT | | |
| REVIEW CERTIFIED MILL TEST REPORTS FOR EACH SHIPMENT OF REINFORCEMENT USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN REINFORCED CONCRETE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS | REVIEW CERTIFIED MILL TEST REPORTS | EACH SHIPMENT |
| VERIFY REINFORCEMENT WELDABILITY OF ASTM A615 REINFORCEMENT USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN REINFORCED CONCRETE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS | REVIEW TEST REPORTS | EACH SHIPMENT |
| 1705.12.2 STRUCTURAL STEEL | | |
| TEST IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341 | SHOP AND FIELD TESTING | PER AISC 341 |
| 1705.12.3 SEISMIC CERTIFICATION OF NONSTRUCTURAL COMPONENTS | | |
| REVIEW CERTIFICATE OF COMPLIANCE FOR DESIGNATED SEISMIC SYSTEM COMPONENTS | CERTIFICATE OF COMPLIANCE REVIEW | EACH SHIPMENT |
| 1705.12.4 SEISMIC ISOLATION SYSTEMS | | |
| TEST SEISMIC ISOLATION SYSTEM IN ACCORDANCE WITH ASCE 7, SECTION 17.8 | PROTOTYPE TESTING | PER ASCE 7 |
| 1705.13 SPRAYED FIRE-RESISTANT MATERIALS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| VERIFY SURFACE CONDITION PREPARATION OF STRUCTURAL MEMBERS | FIELD INSPECTION | PERIODIC |
| VERIFY APPLICATION OF SPRAYED FIRE-RESISTANT MATERIAL | FIELD INSPECTION | PERIODIC |
| VERIFY THICKNESS OF SPRAYED FIRE-RESISTANT MATERIAL APPLIED TO STRUCTURAL MEMBERS | FIELD INSPECTION | PERIODIC |
| VERIFY DENSITY OF THE SPRAYED FIRE-RESISTANT MATERIAL APPLIED TO STRUCTURAL MEMBERS | FIELD INSPECTION AND TESTING | PER IBC SECTION 1705.13.5 |
| VERIFY THE COMpressive ADHESIVE BOND STRENGTH OF THE SPRAYED FIRE-RESISTANT MATERIAL | FIELD INSPECTION AND TESTING | PER IBC SECTION 1705.13.6 |
| 1705.14 MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| INSPECT MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS APPLIED TO STRUCTURAL ELEMENTS AND DECKS | FIELD INSPECTION | PERIODIC |
| 1705.15 EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| VERIFY MATERIALS, DETAILS AND INSTALLATIONS ARE PER THE APPROVED CONSTRUCTION DOCUMENTS | FIELD INSPECTION | PERIODIC |
| INSPECTION OF WATER-RESISTIVE BARRIER OVER SHEATHING SUBSTRATE | FIELD INSPECTION | PERIODIC |
| 1705.16 FIRE-RESISTANT PENETRATIONS AND JOINTS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| INSPECT PENETRATION FIRESTOP | FIELD TESTING | PER ASTM E214 |
| INSPECT FIRE-RESISTANT JOINT SYSTEMS | FIELD TESTING | PER ASTM E739 |
| 1705.17 SMOKE CONTROL SYSTEMS | | |
| MATERIAL/ACTIVITY | SERVICE | EXTENT |
| LEAKAGE TESTING AND RECORDING OF DEVICE LOCATIONS PRIOR TO CONCEALMENT | FIELD TESTING | PERIODIC |
| PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION, PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS, AND DETECTION AND CONTROL VERIFICATION | FIELD TESTING | PERIODIC |



CLIENT: AUGUSTA, GA
 PROJECT NAME: 535 TELFAIR STREET, AUGUSTA, GA 30601
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| CHECKED BY: | MWL |
| DATE: | 10/18/17 |
| SHEET TITLE: | |
| SPECIAL INSPECTIONS | |
| SCALE: | AS NOTED |
| DRAWING NO. | REV. |
| S-002 | 0 |

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