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<div><div>STATEMENT OF SPECIAL INSPECTIONS - STEEL CONSTRUCTION - STAINLESS STEEL BOLTING</div><div>REFERENCES: IBC (2021) SECTION 1705.2.1, AISI 360 (2016)*, RCSC (2020)* "IN ACCORDANCE WITH AISI DESIGN GUIDE 27 - STRUCTURAL STAINLESS STEEL"</div><table><tr><th colspan="4">INSPECTION</th></tr><tr><th>SYSTEM OR MATERIAL</th><th>CODE OR STANDARD REFERENCE</th><th>FREQUENCY</th><th>REMARKS</th></tr><tr><td>MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS</td><td>AISC 360 N5, RCSC 2.1, 9.1</td><td>PERIODIC</td><td>PRIOR TO BOLTING, SEE STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTURAL STEEL MATERIALS (S000-001-0211)</td></tr><tr><td>FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS</td><td>AISC 360 N5, ASTM F593, RCSC 2.1</td><td>PERIODIC</td><td>PRIOR TO BOLTING, INSPECT BOLTING COMPONENTS AND ASSEMBLIES PER RCSC 2</td></tr><tr><td>PROPER FASTENERS SELECTED FOR JOINT DETAIL</td><td>AISC 360 N5, ASTM F593, RCSC 2.1</td><td>PERIODIC</td><td>PRIOR TO BOLTING, INSPECT GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE</td></tr><tr><td>PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL</td><td>AISC 360 N5, ASTM F593, RCSC 9</td><td>PERIODIC</td><td>PRIOR TO BOLTING, CONFIRM BOLTING PROCEDURE WITH CONSTRUCTION DOCUMENTS</td></tr><tr><td>CONNECTING ELEMENTS</td><td>AISC 360 N5, ASTM F593, RCSC 9</td><td>PERIODIC</td><td>PRIOR TO BOLTING, VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS</td></tr><tr><td>PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS</td><td>AISC 360 N5, ASTM F593, RCSC 2.10</td><td>PERIODIC</td><td>PRIOR TO BOLTING, CONFIRM STORAGE OF BOLTING COMPONENTS AND ASSEMBLIES ARE IN ACCORDANCE WITH RCSC 2.10</td></tr><tr><td colspan="4">TESTING</td></tr><tr><th>SYSTEM OR MATERIAL</th><th>CODE OR STANDARD REFERENCE</th><th>FREQUENCY</th><th>REMARKS</th></tr><tr><td>PRE-INSTALLATION VERIFICATION OF PRETENSIONING HIGH-STRENGTH BOLTS</td><td>AISC 360 N5, ASTM F3125, RCSC 7</td><td>PERIODIC</td><td>EACH GROUPING OF DIAMETER, LENGTH, GRADE AND LOT TO BE USED IN THE WORK PRIOR TO BOLTING, TEST NOT FEWER THAN THREE COMPLETE BOLT ASSEMBLIES OF EACH COMBINATION PRIOR TO PLACEMENT OF VERIFIED LOTS IN THE WORK</td></tr><tr><td colspan="4">INSPECTION</td></tr><tr><th>SYSTEM OR MATERIAL</th><th>CODE OR STANDARD REFERENCE</th><th>FREQUENCY</th><th>REMARKS</th></tr><tr><td>FASTENER ASSEMBLIES OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED</td><td>AISC 360 N5, ASTM F593, RCSC 9</td><td>PERIODIC</td><td>DURING BOLTING, VERIFY BOLTING ASSEMBLIES ARE PLACED IN ACCORDANCE WITH RCSC 9</td></tr><tr><td>JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION</td><td>AISC 360 N5, ASTM F593, RCSC 9</td><td>PERIODIC</td><td>DURING BOLTING, VERIFY CONDITION ACHIEVED IN ACCORDANCE WITH RCSC 9</td></tr><tr><td>FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING</td><td>AISC 360 N5, ASTM F593, RCSC 8.2</td><td>PERIODIC</td><td>DURING BOLTING, VERIFY CONDITION ACHIEVED IN ACCORDANCE WITH RCSC 8.2</td></tr><tr><td>PROGRESSION OF BOLT PRE-TENSIONING</td><td>AISC 360 N5, ASTM F593, RCSC 8</td><td>PERIODIC</td><td>DURING BOLTING, VERIFY BOLTS ARE PRETENSIONED, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE...</td></tr><tr><td>DOCUMENT ACCEPTANCE OR REJECTION OF ALL BOLTED CONNECTIONS</td><td>AISC 360 N5, ASTM F593, RCSC 2.1</td><td>CONTINUOUS</td><td>AFTER BOLTING, DOCUMENT THE ACCEPTANCE OR REJECTION OF THE BOLTED CONNECTIONS INCLUDING LOCATION AND BASIS OF REJECTION IN ACCORDANCE AISI...</td></tr><tr><td>SNUG-TIGHT HIGH-STRENGTH BOLT INSTALLATION</td><td>AISC 360 N5, ASTM F593, RCSC 9</td><td>PERIODIC</td><td>ALL CONNECTIONS VISUALLY INSPECTED. 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DYE PENETRANT TESTING (DT) AND ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS FOR MATERIALS GREATER THAN 5/16" THICK.</td></tr><tr><td>STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - PJP GROOVE WELDS AT COLUMN SPLICE AND COLUMN TO BASE...</td><td>IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8</td><td>CONTINUOUS</td><td>INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF PARTIAL-JOINT-PENETRATION (PJP)...</td></tr><tr><td>STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - BEAM COPE AND ACCESS HOLE</td><td>IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8</td><td>CONTINUOUS</td><td>INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. AT WELDED SPLICES AND CONNECTIONS, THERMALLY CUT SURFACES OF BEAM COPES AND ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING (MT) OR DYE PENETRANT TESTING (DT), WHEN THE FLANGE THICKNESS EXCEEDS 1 1/2 IN. FOR ROLLED SHAPES, OR WHEN THE WEB...</td></tr><tr><td>STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - K-AREA NONDESTRUCTIVE TESTING</td><td>IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8</td><td>CONTINUOUS</td><td>WHERE WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, THE WEB SHALL BE TESTED FOR CRACKS USING MAGNETIC PARTICLE TESTING (MT), THE MT INSPECTION AREA SHALL INCLUDE THE K-AREA BASE METAL WITHIN 3-INCHES OF THE WELD. THE MT SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWIN...</td></tr><tr><td>STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - WELD TAB REMOVAL SITES</td><td>IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8</td><td>CONTINUOUS</td><td>INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. INSPECT AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM-TO-COLUMN JOINT...</td></tr><tr><td>STRUCTURAL STEEL ELEMENTS - HIGH-STRENGTH BOLTING</td><td>IBC 1705.13.1, 1705.14, AISI 341</td><td>CONTINUOUS</td><td>INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.7</td></tr></table></div> <div><div>STATEMENT OF SPECIAL INSPECTIONS - FIRE-RESISTANCE AND SMOKE CONTROL SYSTEMS</div><div>REFERENCES: IBC (2021) SECTION 1705.15, 1705.16, 1705.18 AND 1705.19</div><table><tr><th colspan="4">INSPECTION</th></tr><tr><th>SYSTEM OR MATERIAL</th><th>CODE OR STANDARD REFERENCE</th><th>FREQUENCY</th><th>REMARKS</th></tr><tr><td>SPRAY FIRE-RESISTANT MATERIALS (SFRM) SUBSTRATE CONDITION</td><td>IBC 1705.15.2</td><td>PERIODIC</td><td>PRIOR TO APPLICATION, CONFIRM THAT SURFACES HAVE BEEN PREPARED ACCORDING TO THE APPROVED FIRE-RESISTANCE DESIGN AND MANUFACTURER'S INSTRUCTIONS.</td></tr><tr><td>SPRAY FIRE-RESISTANT MATERIALS (SFRM) MATERIAL THICKNESS</td><td>IBC 1705.15.4</td><td>PERIODIC</td><td>VERIFY SFRM THICKNESS ACCORDING TO IBC 1705.15.4.</td></tr><tr><td>SPRAY FIRE-RESISTANT MATERIALS (SFRM) MATERIAL DENSITY</td><td>IBC 1705.15.5</td><td>PERIODIC</td><td>VERIFY SFRM DENSITY ACCORDING TO IBC 1705.15.5.</td></tr><tr><td>SPRAY FIRE-RESISTANT MATERIALS (SFRM) BOND STRENGTH</td><td>IBC 1705.15.6</td><td>PERIODIC</td><td>VERIFY BOND STRENGTH OF CURED SFRM ACCORDING TO IBC 1705.15.6.</td></tr><tr><td>MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS</td><td>AWCI 12-B, IBC 1705.16</td><td>PERIODIC</td><td>DURING CONSTRUCTION, INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH AWCI 12-B, STANDARD PRACTICE FOR THE TESTING AND INSPECTION OF FIELD APPLIED THIN FILM INTUMESCENT FIRE-RESISTIVE MATERIALS. ADDITIONAL VISUAL INSPECTION SHALL BE PERFORMED AFTER ROUGH INSTALLATION AND, WHERE APPLICABLE, PRIOR TO CONCEALMENT OF ELECTRICAL, AUTOMATIC SPRINKLER, MECHANICAL AND PLUMBING SYSTEMS.</td></tr><tr><td>FIRE-RESISTANT PENETRATIONS</td><td>IBC 1705.18, ASTM E 2174</td><td>PERIODIC</td><td>INSPECTIONS OF PENETRATION FIRESTOP SYSTEMS CONDUCTED IN ACCORDANCE WITH ASTM E 2174.</td></tr><tr><td>FIRE-RESISTANT JOINTS</td><td>IBC 1705.18, ASTM E 2393</td><td>PERIODIC</td><td>INSPECTIONS OF FIRE-RESISTANT JOINT SYSTEMS CONDUCTED IN ACCORDANCE WITH ASTM E 2393.</td></tr><tr><td>SMOKE CONTROL DEVICE LOCATIONS AND LEAKAGE TESTING</td><td>IBC 1705.19</td><td>PERIODIC</td><td>VERIFY DEVICE LOCATIONS AND PERFORM LEAKAGE TESTING. PERFORM DURING ERECTION OF DUCTWORK AND PRIOR TO CONCEALMENT.</td></tr><tr><td>SMOKE CONTROL DEVICE PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS AND DETECTION AND CONTROL VERIFICATION</td><td>IBC 1705.19</td><td>PERIODIC</td><td>PERFORM PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION.</td></tr></table></div> <div><div>STATEMENT OF SPECIAL INSPECTIONS - SEISMIC RESISTANCE - PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS</div><div>REFERENCES: IBC (2021) SECTION 1705.13.6, ASCE 7 (2016)</div><table><tr><th colspan="4">INSPECTION</th></tr><tr><th>SYSTEM OR MATERIAL</th><th>CODE OR STANDARD REFERENCE</th><th>FREQUENCY</th><th>REMARKS</th></tr><tr><td>ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS</td><td>IBC 1705.13.6, ASCE 7 13.2.1</td><td>PERIODIC</td><td>PER IBC 1704.3.2, CHECK THE FOLLOWING IDENTIFIED SYSTEMS FOR GENERAL CONFORMANCE AND VERIFY THAT THE LABEL, ANCHORAGE, OR MOUNTING CONFORMS WITH THE CERTIFICATE OF COMPLIANCE (NOTE: THIS IS NOT A COMPREHENSIVE LIST): ELECTRICAL GENERATOR, TURBINES AND FUEL TANKS. UNINTERRUPTED POWER SOURCE (UPS) SYSTEM AND ASSOCIATED BATTERIES. AUTOMATIC TRANSFER SWITCHES.</td></tr><tr><td>INSTALLATION AND ANCHORAGE OF PIPING/DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS AND THEIR ASSOCIATED MECHANICAL UNITS</td><td>IBC 1705.13.6, ASCE 7 13.2.1</td><td>PERIODIC</td><td>PER IBC 1704.3.2, CHECK THE FOLLOWING IDENTIFIED SYSTEMS (CONTAINER VESSEL, TANKS, PUMP AND ASSOCIATED PIPING/DUCTWORK) THAT HOLD OR TRANSFER THE FOLLOWING MATERIAL FOR GENERAL CONFORMANCE AND VERIFY THAT THE LABEL, ANCHORAGE, OR MOUNTING CONFORMS WITH THE CERTIFICATE OF COMPLIANCE (NOTE: THIS IS NOT A COMPREHENSIVE LIST): COMBUSTIBLE LIQUID CRYOGENICS, FLAMMABLE CRYOGENICS, INERT CRYOGENICS, OXIDIZING FLAMMABLE GAS FLAMMABLE LIQUID FLAMMABLE LIQUID, COMBINATION FLAMMABLE SOLID ORGANIC PEROXIDE OXIDIZER PYROPHORIC MATERIAL UNSTABLE (REACTIVE) WATER REACTIVE CORROSIVE...</td></tr><tr><td>INSTALLATION AND ANCH</td></tr></table></div>	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	AISC 360 N5, RCSC 2.1, 9.1	PERIODIC	PRIOR TO BOLTING, SEE STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTURAL STEEL MATERIALS (S000-001-0211)	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	AISC 360 N5, ASTM F593, RCSC 2.1	PERIODIC	PRIOR TO BOLTING, INSPECT BOLTING COMPONENTS AND ASSEMBLIES PER RCSC 2	PROPER FASTENERS SELECTED FOR JOINT DETAIL	AISC 360 N5, ASTM F593, RCSC 2.1	PERIODIC	PRIOR TO BOLTING, INSPECT GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	PRIOR TO BOLTING, CONFIRM BOLTING PROCEDURE WITH CONSTRUCTION DOCUMENTS	CONNECTING ELEMENTS	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	PRIOR TO BOLTING, VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	AISC 360 N5, ASTM F593, RCSC 2.10	PERIODIC	PRIOR TO BOLTING, CONFIRM STORAGE OF BOLTING COMPONENTS AND ASSEMBLIES ARE IN ACCORDANCE WITH RCSC 2.10	TESTING				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	PRE-INSTALLATION VERIFICATION OF PRETENSIONING HIGH-STRENGTH BOLTS	AISC 360 N5, ASTM F3125, RCSC 7	PERIODIC	EACH GROUPING OF DIAMETER, LENGTH, GRADE AND LOT TO BE USED IN THE WORK PRIOR TO BOLTING, TEST NOT FEWER THAN THREE COMPLETE BOLT ASSEMBLIES OF EACH COMBINATION PRIOR TO PLACEMENT OF VERIFIED LOTS IN THE WORK	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	FASTENER ASSEMBLIES OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	DURING BOLTING, VERIFY BOLTING ASSEMBLIES ARE PLACED IN ACCORDANCE WITH RCSC 9	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	DURING BOLTING, VERIFY CONDITION ACHIEVED IN ACCORDANCE WITH RCSC 9	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	AISC 360 N5, ASTM F593, RCSC 8.2	PERIODIC	DURING BOLTING, VERIFY CONDITION ACHIEVED IN ACCORDANCE WITH RCSC 8.2	PROGRESSION OF BOLT PRE-TENSIONING	AISC 360 N5, ASTM F593, RCSC 8	PERIODIC	DURING BOLTING, VERIFY BOLTS ARE PRETENSIONED, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE...	DOCUMENT ACCEPTANCE OR REJECTION OF ALL BOLTED CONNECTIONS	AISC 360 N5, ASTM F593, RCSC 2.1	CONTINUOUS	AFTER BOLTING, DOCUMENT THE ACCEPTANCE OR REJECTION OF THE BOLTED CONNECTIONS INCLUDING LOCATION AND BASIS OF REJECTION IN ACCORDANCE AISI...	SNUG-TIGHT HIGH-STRENGTH BOLT INSTALLATION	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	ALL CONNECTIONS VISUALLY INSPECTED. IN ACCORDANCE WITH RCSC 9.2	PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITH MATCHMARKING TECHNIQUES, DIRECT-TENSION-INDICATOR...	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	INSPECT CONNECTION PER RCSC 9.2.1 FOR TURN-OF-NUT METHOD	PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLT INSTALLATION USING TWIST-OFF TENSION CONTROL BOLT METHOD	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	INSPECT CONNECTION PER RCSC 9.2.3 FOR TWIST-OFF TENSION CONTROL BOLT METHOD	PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITH...	AISC 360 N5, ASTM F593, RCSC 9	CONTINUOUS	INSPECT CONNECTION PER RCSC 9.2.1 FOR TURN-OF-THE-NUT METHOD	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	VERIFY COMPLIANCE OF SHEARWALL AND DIAPHRAGM SHEATHING, DIAGONAL STRAP BRACING, AND HOLD-DOWNS	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO INSTALLATION, VERIFY SYSTEM CONFORMS WITH CONSTRUCTION DOCUMENTS.	WELDER IDENTIFICATION SYSTEM	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO WELDING, VERIFY IDENTIFICATION SYSTEM MAINTAINED BY WELDER.	WELD FIT-UP	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO WELDING, INSPECT ALIGNMENT, GAPS, AND CONDITION OF STEEL SURFACES.	COLD-FORMED LIGHT-FRAME CONSTRUCTION WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	IBC 1705.12.2, AISI S240 D6.9, AWS D1.3	PERIODIC	VISUALLY INSPECT ALL WELDS COMPOSING ALL PARTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEARWALLS, BRACES, COLLECTORS (DRAG STRUTS), AND HOLD-DOWNS.	VERIFY FASTENERS, INSTALLATION PROCEDURE AND CONNECTING ELEMENTS	VALID AND APPROVED ICC-ES REPORT, IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO MECHANICAL FASTENING, INSPECT FASTENER DIAMETER, SIZE, TYPE, GRADE, INSTALLATION EQUIPMENT PER MANUFACTURER'S REQUIREMENTS AND CONSTRUCTION DOCUMENTS.	INSPECT SCREW FASTENER CONNECTION JOINT	VALID AND APPROVED ICC-ES REPORT, IBC 1705.12.2, AISI S240 D6.9	wt	DURING MECHANICAL FASTENING, VERIFY JOINT BROUGHT TIGHT (E.G. CLAMPED) TO AVOID GAPS BETWEEN PLIES AND FASTENING TOOL ADJUSTED TO AVOID STRIPPED OR OVERDRIVEN FASTENERS. INSPECT SPACING AND EDGE DISTANCE PER MANUFACTURER'S REQUIREMENTS AND CONSTRUCTION DOCUMENTS.	INSPECT POST-INSTALLED CONNECTIONS TO CONCRETE	VALID AND APPROVED ICC-ES REPORT, IBC 1705.12.2, AISI...	CONTINUOUS	DURING MECHANICAL FASTENING, INSPECT POST-INSTALLED CONNECTIONS TO CONCRETE IN ACCORDANCE WITH STATEMENT OF SPECIAL INSPECTIONS S000-001-0300	COLD-FORMED LIGHT-FRAME CONSTRUCTION SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	VISUALLY INSPECT ALL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING ROOF DECK, ROOF FRAMING, EXTERIOR WALL COVERING, WALL TO ROOF/FLOOR CONNECTIONS, BRACES, COLLECTORS (DRAG STRUTS) AND...	WIND-RESISTING ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTION SYSTEMS AND...	IBC 1705.12.3, AWS D1.3, SDI QA/QC	PERIODIC	VISUALLY INSPECT ALL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ROOF DECK AND ROOF FRAMING.	WIND-RESISTING EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	IBC 1705.12.3, AISI S240 D6.9	PERIODIC	VISUALLY INSPECT ALL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF EXTERIOR WALL COVERING AND WALL-TO-ROOF/FLOOR CONNECTIONS.	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	REINFORCING STEEL PLACEMENT, INCLUDING PRESTRESSING TENDONS	VALID AND APPROVED ICC-ES REPORT, ACI 318 CHAPTER 20, 25.2, 25.3, 26.6.1-26.6.3	PERIODIC	AFTER REINFORCING OR TENDON PLACEMENT, VERIFY PRIOR TO PLACING CONCRETE THAT REINFORCING IS OF SPECIFIED TYPE, QUANTITY, GRADE AND SIZE, THAT IT IS FREE OF OIL, DIRT AND UNACCEPTABLE RUST; THAT IT IS LOCATED AND SPACED PROPERLY WITH THE PROPER CLEARANCES AND COVER; 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...	MATERIAL VERIFICATION OF REINFORCING STEEL FOR WELDING	AWS D1.4, ACI 318 26.6.4	PERIODIC	PRIOR TO WELDING, VERIFY MATERIAL WITH CERTIFIED MILL TEST REPORTS, VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" IN...	WELDING PROCEDURE SPECIFICATION (WPS), WELDING CONSUMABLE MATERIAL AND EQUIPMENT	AWS D1.4, ACI 318 26.6.4	PERIODIC	PRIOR TO WELDING, VERIFY AVAILABILITY OF WPS FOR REQUIRED CONNECTIONS, VERIFY WELDING CONSUMABLES IDENTIFICATION MARKINGS CONFORM TO MANUFACTURER'S CERTIFIED TEST REPORTS, VERIFY WELDING EQUIPMENT CAN PERFORM PER WPS...	VERIFYING WELDER QUALIFICATIONS	AWS D1.4, ACI 318 26.6.4	PERIODIC	DURING WELDING, VERIFY WELDING PERFORMED BY WELDERS AND WELDING OPERATORS WHO ARE QUALIFIED IN CONFORMANCE WITH REQUIREMENTS, INSPECT QUALIFICATION CARDS.	SINGLE PASS FILLET WELDS (MAXIMUM 5/16")	AWS D1.4, ACI 318 26.6.4	PERIODIC	AFTER WELDING, ALL WELDS VISUALLY OBSERVED AND INSPECTED PER AWS D1.4 SECTION 9.5.	COMPLETE AND PARTIAL PENETRATION GROOVE WELDS AND ALL OTHER WELDS	AWS D1.4, ACI 318 26.6.4	CONTINUOUS	AFTER WELDING, ALL WELDS VISUALLY OBSERVED AND INSPECTED PER AWS D1.4 SECTION 9.5.	PLACEMENT OF BOLTS CAST IN CONCRETE	ACI 318 17.8.2, AISI 360 N5.8	PERIODIC	ALL BOLTS TO BE VISUALLY INSPECTED PRIOR TO PLACING CONCRETE, VERIFY BOLT GRADE, SIZE, CONDITION, LOCATION, SPACING, EDGE DISTANCE AND...	ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS IN HARDENED CONCRETE MEMBERS	ACI 318 17.8.2.4, VALID AND APPROVED ICC-ES REPORT	CONTINUOUS	VERIFY ANCHOR OR POST-INSTALLED REINFORCING BAR TYPE, CONCRETE COMPRESSIVE STRENGTH, ADHESIVE IDENTIFICATION AND EXPIRATION DATE, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR OR POST-INSTALLED REINFORCING BAR EMBEDMENT, TIGHTENING TORQUE AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. INSPECT AS REQUIRED PER APPROVED ICC-ES REPORT. VERIFY THAT INSTALLER IS CERTIFIED FOR INSTALLATION OF HORIZONTAL AND OVERHEAD...	MECHANICAL ANCHORS AND ALL OTHER ADHESIVE ANCHORS IN HARDENED CONCRETE MEMBERS	ACI 318 17.8.2, VALID AND APPROVED ICC-ES REPORT	PERIODIC	VERIFY ANCHOR OR POST-INSTALLED REINFORCING BAR TYPE, CONCRETE COMPRESSIVE STRENGTH, ADHESIVE IDENTIFICATION AND EXPIRATION DATE, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR OR POST-INSTALLED REINFORCING BAR EMBEDMENT, TIGHTENING TORQUE AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. VERIFY THAT INSTALLER IS CERTIFIED FOR INSTALLATION OF ANCHOR SYSTEMS. INSPECT FIELD PREPARATION OF COMPONENTS, ASSEMBLY OF ANCHOR PLATES ON THE STEEL BARS AND LABELING OF THE PRODUCTS FOR MECHANICAL END ANCHOR PLATES. VERIFY GRADE AND SIZE OF REINFORCING BAR COUPLER IDENTIFICATION, HEADING OF REINFORCING BAR (IF APPLICABLE), FIELD PREPARATION OF COMPONENTS (INCLUDING FIELD PREPARATION OF REINFORCING BAR ENDS), POSITION OF COUPLER, AND...	VERIFYING USE OF APPROVED MIX DESIGN(S)	ACI 318 CHAPTER 19, 26.4.3, 26.4.4, IBC 1904.1, 1904.2	PERIODIC	PRIOR TO INSTALLING CONCRETE, INSPECT EACH TRUCK DELIVERY TICKET, VERIFY THAT ALL MIXES USED COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS AND PLACEMENT LOCATION.	CONCRETE AND SHOTCRETE PLACEMENT	ACI 318 26.5	CONTINUOUS	VERIFY PROPER APPLICATION TECHNIQUES ARE USED DURING CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION, VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.	CONCRETE PLACEMENT AT COMPOSITE SLABS	ASCE 9 CHAPTER 3	CONTINUOUS	PRIOR TO AND DURING INSTALLATION OF CONCRETE, INSPECT SPECIAL INSPECTIONS APPLY TO CLEANLINESS OF THE DECK, LOCATION AND CONSTRUCTION OF CONSTRUCTION/CONTROL JOINTS, PLACEMENT OF CONCRETE.	CONCRETE CURING TEMPERATURE AND TECHNIQUE	ACI 318 26.5.3-26.5.5	PERIODIC	VERIFY CONCRETE CURING PERFORMED IN ACCORDANCE WITH ACI 318 26.5.3 THRU 26.5.5 INCLUDING FOR HOT AND COLD WEATHER PROVISIONS.	ERECTION OF PRECAST CONCRETE MEMBERS	ACI 318 26.9	PERIODIC	ALL WELDED AND BOLTED CONNECTIONS TO BE VISUALLY INSPECTED PER SSI S000-001-0212 AND SSI S000-001-0214 REQUIREMENTS. VERIFY PRECAST MEMBER IDENTIFICATION MARKS AND CONFIRM PLACEMENT WITH ERECTION DRAWINGS.	PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS	ACI 318 26.13.1.3, ACI 550.5	CONTINUOUS	INSPECT EMBEDDED PART INSTALLATION, COMPLETION OF THE CONTINUITY OF REINFORCING ACROSS JOINTS AND CONNECTION COMPLETION.	INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM.	ACI 318 26.13.1.3, ACI 550.5	PERIODIC	INSPECT FOR COMPLIANCE WITH ACI 550.5.	POST-TENSIONED CONCRETE, STRUCTURAL BEAM AND SLAB IN-PLACE CONCRETE	ACI 318 26.11.2	PERIODIC	PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF FORMS AND SHORES FROM ELEVATED BEAMS AND STRUCTURAL SLABS, VERIFY IN-PLACE CONCRETE IS IN COMPLIANCE WITH CONSTRUCTION DOCUMENTS AND ACI 318.	VERIFICATION OF FORMWORK	ACI 318 26.11.1.2(b)	PERIODIC	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE BEING FORMED.	CONCRETE STRENGTH	ASTM C39, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND PROJECT SPECIFICATION.	CONCRETE SLUMP	ASTM C143, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND C172 AND PROJECT SPECIFICATION.	CONCRETE AIR CONTENT	ASTM C231, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND C172 AND PROJECT SPECIFICATION.	CONCRETE TEMPERATURE	ASTM C1064, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE PER ASTM C172 AND PROJECT SPECIFICATION.	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	CERTIFICATION OF ACTIVE MECHANICAL AND ELECTRICAL EQUIPMENT THAT MUST REMAIN OPERABLE FOLLOWING THE DESIGN EARTHQUAKE GROUND MOTION	IBC 1705.13.4, ASCE 7 13.2.2	PERIODIC	VERIFY EQUIPMENT LABEL, ANCHORAGE AND MOUNTING CONFORMS WITH CERTIFICATE OF COMPLIANCE PREPARED IN ACCORDANCE ASCE 13.2.2.	CERTIFICATION OF COMPONENTS WITH HAZARDOUS SUBSTANCES AND ASSIGNED A COMPONENT IMPORTANCE FACTOR (Ip) OF 1.5 THAT MUST MAINTAIN CONTAINMENT FOLLOWING THE DESIGN EARTHQUAKE GROUND MOTION	IBC 1705.13.4, ASCE 7 13.2.2	PERIODIC	VERIFY COMPONENT LABEL, ANCHORAGE AND MOUNTING CONFORMS WITH CERTIFICATE OF COMPLIANCE PREPARED IN ACCORDANCE ASCE 13.2.2.	TESTING				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	DESIGNATED SEISMIC SYSTEM	ASCE 7 13.2.1, IBC 1705.14.3	PERIODIC	DESIGNATED SEISMIC SYSTEM MANUFACTURER TO MEET CERTIFICATION AS ESTABLISHED ON CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH ASCE 7 SECTION 13.2.2. SPECIAL INSPECTOR TO VERIFY DESIGNATED SEISMIC SYSTEM IS IN ACCORDANCE WITH CERTIFICATE OF COMPLIANCE SUBMITTED TO THE BUILDING OFFICIAL.	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	STRUCTURAL STEEL ELEMENTS - ANCHOR RODS AND OTHER EMBEDMENTS	IBC 1705.13.1, AISI 341	PERIODIC	VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.	STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - CJP GROOVE WELDS	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. DYE PENETRANT TESTING (DT) AND ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS FOR MATERIALS GREATER THAN 5/16" THICK.	STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - PJP GROOVE WELDS AT COLUMN SPLICE AND COLUMN TO BASE...	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF PARTIAL-JOINT-PENETRATION (PJP)...	STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - BEAM COPE AND ACCESS HOLE	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. AT WELDED SPLICES AND CONNECTIONS, THERMALLY CUT SURFACES OF BEAM COPES AND ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING (MT) OR DYE PENETRANT TESTING (DT), WHEN THE FLANGE THICKNESS EXCEEDS 1 1/2 IN. FOR ROLLED SHAPES, OR WHEN THE WEB...	STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - K-AREA NONDESTRUCTIVE TESTING	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	WHERE WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, THE WEB SHALL BE TESTED FOR CRACKS USING MAGNETIC PARTICLE TESTING (MT), THE MT INSPECTION AREA SHALL INCLUDE THE K-AREA BASE METAL WITHIN 3-INCHES OF THE WELD. THE MT SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWIN...	STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - WELD TAB REMOVAL SITES	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. INSPECT AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM-TO-COLUMN JOINT...	STRUCTURAL STEEL ELEMENTS - HIGH-STRENGTH BOLTING	IBC 1705.13.1, 1705.14, AISI 341	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.7	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	SPRAY FIRE-RESISTANT MATERIALS (SFRM) SUBSTRATE CONDITION	IBC 1705.15.2	PERIODIC	PRIOR TO APPLICATION, CONFIRM THAT SURFACES HAVE BEEN PREPARED ACCORDING TO THE APPROVED FIRE-RESISTANCE DESIGN AND MANUFACTURER'S INSTRUCTIONS.	SPRAY FIRE-RESISTANT MATERIALS (SFRM) MATERIAL THICKNESS	IBC 1705.15.4	PERIODIC	VERIFY SFRM THICKNESS ACCORDING TO IBC 1705.15.4.	SPRAY FIRE-RESISTANT MATERIALS (SFRM) MATERIAL DENSITY	IBC 1705.15.5	PERIODIC	VERIFY SFRM DENSITY ACCORDING TO IBC 1705.15.5.	SPRAY FIRE-RESISTANT MATERIALS (SFRM) BOND STRENGTH	IBC 1705.15.6	PERIODIC	VERIFY BOND STRENGTH OF CURED SFRM ACCORDING TO IBC 1705.15.6.	MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	AWCI 12-B, IBC 1705.16	PERIODIC	DURING CONSTRUCTION, INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH AWCI 12-B, STANDARD PRACTICE FOR THE TESTING AND INSPECTION OF FIELD APPLIED THIN FILM INTUMESCENT FIRE-RESISTIVE MATERIALS. ADDITIONAL VISUAL INSPECTION SHALL BE PERFORMED AFTER ROUGH INSTALLATION AND, WHERE APPLICABLE, PRIOR TO CONCEALMENT OF ELECTRICAL, AUTOMATIC SPRINKLER, MECHANICAL AND PLUMBING SYSTEMS.	FIRE-RESISTANT PENETRATIONS	IBC 1705.18, ASTM E 2174	PERIODIC	INSPECTIONS OF PENETRATION FIRESTOP SYSTEMS CONDUCTED IN ACCORDANCE WITH ASTM E 2174.	FIRE-RESISTANT JOINTS	IBC 1705.18, ASTM E 2393	PERIODIC	INSPECTIONS OF FIRE-RESISTANT JOINT SYSTEMS CONDUCTED IN ACCORDANCE WITH ASTM E 2393.	SMOKE CONTROL DEVICE LOCATIONS AND LEAKAGE TESTING	IBC 1705.19	PERIODIC	VERIFY DEVICE LOCATIONS AND PERFORM LEAKAGE TESTING. PERFORM DURING ERECTION OF DUCTWORK AND PRIOR TO CONCEALMENT.	SMOKE CONTROL DEVICE PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS AND DETECTION AND CONTROL VERIFICATION	IBC 1705.19	PERIODIC	PERFORM PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION.	INSPECTION				SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS	ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS	IBC 1705.13.6, ASCE 7 13.2.1	PERIODIC	PER IBC 1704.3.2, CHECK THE FOLLOWING IDENTIFIED SYSTEMS FOR GENERAL CONFORMANCE AND VERIFY THAT THE LABEL, ANCHORAGE, OR MOUNTING CONFORMS WITH THE CERTIFICATE OF COMPLIANCE (NOTE: THIS IS NOT A COMPREHENSIVE LIST): ELECTRICAL GENERATOR, TURBINES AND FUEL TANKS. UNINTERRUPTED POWER SOURCE (UPS) SYSTEM AND ASSOCIATED BATTERIES. AUTOMATIC TRANSFER SWITCHES.	INSTALLATION AND ANCHORAGE OF PIPING/DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS AND THEIR ASSOCIATED MECHANICAL UNITS	IBC 1705.13.6, ASCE 7 13.2.1	PERIODIC	PER IBC 1704.3.2, CHECK THE FOLLOWING IDENTIFIED SYSTEMS (CONTAINER VESSEL, TANKS, PUMP AND ASSOCIATED PIPING/DUCTWORK) THAT HOLD OR TRANSFER THE FOLLOWING MATERIAL FOR GENERAL CONFORMANCE AND VERIFY THAT THE LABEL, ANCHORAGE, OR MOUNTING CONFORMS WITH THE CERTIFICATE OF COMPLIANCE (NOTE: THIS IS NOT A COMPREHENSIVE LIST): COMBUSTIBLE LIQUID CRYOGENICS, FLAMMABLE CRYOGENICS, INERT CRYOGENICS, OXIDIZING FLAMMABLE GAS FLAMMABLE LIQUID FLAMMABLE LIQUID, COMBINATION FLAMMABLE SOLID ORGANIC PEROXIDE OXIDIZER PYROPHORIC MATERIAL UNSTABLE (REACTIVE) WATER REACTIVE CORROSIVE...	INSTALLATION AND ANCH
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MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	AISC 360 N5, RCSC 2.1, 9.1	PERIODIC	PRIOR TO BOLTING, SEE STATEMENT OF SPECIAL INSPECTIONS FOR STRUCTURAL STEEL MATERIALS (S000-001-0211)																																																																																																																																																																																																																																																																																																																																																																		
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	AISC 360 N5, ASTM F593, RCSC 2.1	PERIODIC	PRIOR TO BOLTING, INSPECT BOLTING COMPONENTS AND ASSEMBLIES PER RCSC 2																																																																																																																																																																																																																																																																																																																																																																		
PROPER FASTENERS SELECTED FOR JOINT DETAIL	AISC 360 N5, ASTM F593, RCSC 2.1	PERIODIC	PRIOR TO BOLTING, INSPECT GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE																																																																																																																																																																																																																																																																																																																																																																		
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	PRIOR TO BOLTING, CONFIRM BOLTING PROCEDURE WITH CONSTRUCTION DOCUMENTS																																																																																																																																																																																																																																																																																																																																																																		
CONNECTING ELEMENTS	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	PRIOR TO BOLTING, VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS																																																																																																																																																																																																																																																																																																																																																																		
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	AISC 360 N5, ASTM F593, RCSC 2.10	PERIODIC	PRIOR TO BOLTING, CONFIRM STORAGE OF BOLTING COMPONENTS AND ASSEMBLIES ARE IN ACCORDANCE WITH RCSC 2.10																																																																																																																																																																																																																																																																																																																																																																		
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PRE-INSTALLATION VERIFICATION OF PRETENSIONING HIGH-STRENGTH BOLTS	AISC 360 N5, ASTM F3125, RCSC 7	PERIODIC	EACH GROUPING OF DIAMETER, LENGTH, GRADE AND LOT TO BE USED IN THE WORK PRIOR TO BOLTING, TEST NOT FEWER THAN THREE COMPLETE BOLT ASSEMBLIES OF EACH COMBINATION PRIOR TO PLACEMENT OF VERIFIED LOTS IN THE WORK																																																																																																																																																																																																																																																																																																																																																																		
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FASTENER ASSEMBLIES OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	DURING BOLTING, VERIFY BOLTING ASSEMBLIES ARE PLACED IN ACCORDANCE WITH RCSC 9																																																																																																																																																																																																																																																																																																																																																																		
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	DURING BOLTING, VERIFY CONDITION ACHIEVED IN ACCORDANCE WITH RCSC 9																																																																																																																																																																																																																																																																																																																																																																		
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	AISC 360 N5, ASTM F593, RCSC 8.2	PERIODIC	DURING BOLTING, VERIFY CONDITION ACHIEVED IN ACCORDANCE WITH RCSC 8.2																																																																																																																																																																																																																																																																																																																																																																		
PROGRESSION OF BOLT PRE-TENSIONING	AISC 360 N5, ASTM F593, RCSC 8	PERIODIC	DURING BOLTING, VERIFY BOLTS ARE PRETENSIONED, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE...																																																																																																																																																																																																																																																																																																																																																																		
DOCUMENT ACCEPTANCE OR REJECTION OF ALL BOLTED CONNECTIONS	AISC 360 N5, ASTM F593, RCSC 2.1	CONTINUOUS	AFTER BOLTING, DOCUMENT THE ACCEPTANCE OR REJECTION OF THE BOLTED CONNECTIONS INCLUDING LOCATION AND BASIS OF REJECTION IN ACCORDANCE AISI...																																																																																																																																																																																																																																																																																																																																																																		
SNUG-TIGHT HIGH-STRENGTH BOLT INSTALLATION	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	ALL CONNECTIONS VISUALLY INSPECTED. IN ACCORDANCE WITH RCSC 9.2																																																																																																																																																																																																																																																																																																																																																																		
PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITH MATCHMARKING TECHNIQUES, DIRECT-TENSION-INDICATOR...	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	INSPECT CONNECTION PER RCSC 9.2.1 FOR TURN-OF-NUT METHOD																																																																																																																																																																																																																																																																																																																																																																		
PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLT INSTALLATION USING TWIST-OFF TENSION CONTROL BOLT METHOD	AISC 360 N5, ASTM F593, RCSC 9	PERIODIC	INSPECT CONNECTION PER RCSC 9.2.3 FOR TWIST-OFF TENSION CONTROL BOLT METHOD																																																																																																																																																																																																																																																																																																																																																																		
PRETENSIONED AND SLIP-CRITICAL HIGH-STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITH...	AISC 360 N5, ASTM F593, RCSC 9	CONTINUOUS	INSPECT CONNECTION PER RCSC 9.2.1 FOR TURN-OF-THE-NUT METHOD																																																																																																																																																																																																																																																																																																																																																																		
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VERIFY COMPLIANCE OF SHEARWALL AND DIAPHRAGM SHEATHING, DIAGONAL STRAP BRACING, AND HOLD-DOWNS	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO INSTALLATION, VERIFY SYSTEM CONFORMS WITH CONSTRUCTION DOCUMENTS.																																																																																																																																																																																																																																																																																																																																																																		
WELDER IDENTIFICATION SYSTEM	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO WELDING, VERIFY IDENTIFICATION SYSTEM MAINTAINED BY WELDER.																																																																																																																																																																																																																																																																																																																																																																		
WELD FIT-UP	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO WELDING, INSPECT ALIGNMENT, GAPS, AND CONDITION OF STEEL SURFACES.																																																																																																																																																																																																																																																																																																																																																																		
COLD-FORMED LIGHT-FRAME CONSTRUCTION WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	IBC 1705.12.2, AISI S240 D6.9, AWS D1.3	PERIODIC	VISUALLY INSPECT ALL WELDS COMPOSING ALL PARTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING SHEARWALLS, BRACES, COLLECTORS (DRAG STRUTS), AND HOLD-DOWNS.																																																																																																																																																																																																																																																																																																																																																																		
VERIFY FASTENERS, INSTALLATION PROCEDURE AND CONNECTING ELEMENTS	VALID AND APPROVED ICC-ES REPORT, IBC 1705.12.2, AISI S240 D6.9	PERIODIC	PRIOR TO MECHANICAL FASTENING, INSPECT FASTENER DIAMETER, SIZE, TYPE, GRADE, INSTALLATION EQUIPMENT PER MANUFACTURER'S REQUIREMENTS AND CONSTRUCTION DOCUMENTS.																																																																																																																																																																																																																																																																																																																																																																		
INSPECT SCREW FASTENER CONNECTION JOINT	VALID AND APPROVED ICC-ES REPORT, IBC 1705.12.2, AISI S240 D6.9	wt	DURING MECHANICAL FASTENING, VERIFY JOINT BROUGHT TIGHT (E.G. CLAMPED) TO AVOID GAPS BETWEEN PLIES AND FASTENING TOOL ADJUSTED TO AVOID STRIPPED OR OVERDRIVEN FASTENERS. INSPECT SPACING AND EDGE DISTANCE PER MANUFACTURER'S REQUIREMENTS AND CONSTRUCTION DOCUMENTS.																																																																																																																																																																																																																																																																																																																																																																		
INSPECT POST-INSTALLED CONNECTIONS TO CONCRETE	VALID AND APPROVED ICC-ES REPORT, IBC 1705.12.2, AISI...	CONTINUOUS	DURING MECHANICAL FASTENING, INSPECT POST-INSTALLED CONNECTIONS TO CONCRETE IN ACCORDANCE WITH STATEMENT OF SPECIAL INSPECTIONS S000-001-0300																																																																																																																																																																																																																																																																																																																																																																		
COLD-FORMED LIGHT-FRAME CONSTRUCTION SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	IBC 1705.12.2, AISI S240 D6.9	PERIODIC	VISUALLY INSPECT ALL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING ROOF DECK, ROOF FRAMING, EXTERIOR WALL COVERING, WALL TO ROOF/FLOOR CONNECTIONS, BRACES, COLLECTORS (DRAG STRUTS) AND...																																																																																																																																																																																																																																																																																																																																																																		
WIND-RESISTING ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTION SYSTEMS AND...	IBC 1705.12.3, AWS D1.3, SDI QA/QC	PERIODIC	VISUALLY INSPECT ALL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ROOF DECK AND ROOF FRAMING.																																																																																																																																																																																																																																																																																																																																																																		
WIND-RESISTING EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	IBC 1705.12.3, AISI S240 D6.9	PERIODIC	VISUALLY INSPECT ALL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF EXTERIOR WALL COVERING AND WALL-TO-ROOF/FLOOR CONNECTIONS.																																																																																																																																																																																																																																																																																																																																																																		
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REINFORCING STEEL PLACEMENT, INCLUDING PRESTRESSING TENDONS	VALID AND APPROVED ICC-ES REPORT, ACI 318 CHAPTER 20, 25.2, 25.3, 26.6.1-26.6.3	PERIODIC	AFTER REINFORCING OR TENDON PLACEMENT, VERIFY PRIOR TO PLACING CONCRETE THAT REINFORCING IS OF SPECIFIED TYPE, QUANTITY, GRADE AND SIZE, THAT IT IS FREE OF OIL, DIRT AND UNACCEPTABLE RUST; THAT IT IS LOCATED AND SPACED PROPERLY WITH THE PROPER CLEARANCES AND COVER; 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...																																																																																																																																																																																																																																																																																																																																																																		
MATERIAL VERIFICATION OF REINFORCING STEEL FOR WELDING	AWS D1.4, ACI 318 26.6.4	PERIODIC	PRIOR TO WELDING, VERIFY MATERIAL WITH CERTIFIED MILL TEST REPORTS, VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" IN...																																																																																																																																																																																																																																																																																																																																																																		
WELDING PROCEDURE SPECIFICATION (WPS), WELDING CONSUMABLE MATERIAL AND EQUIPMENT	AWS D1.4, ACI 318 26.6.4	PERIODIC	PRIOR TO WELDING, VERIFY AVAILABILITY OF WPS FOR REQUIRED CONNECTIONS, VERIFY WELDING CONSUMABLES IDENTIFICATION MARKINGS CONFORM TO MANUFACTURER'S CERTIFIED TEST REPORTS, VERIFY WELDING EQUIPMENT CAN PERFORM PER WPS...																																																																																																																																																																																																																																																																																																																																																																		
VERIFYING WELDER QUALIFICATIONS	AWS D1.4, ACI 318 26.6.4	PERIODIC	DURING WELDING, VERIFY WELDING PERFORMED BY WELDERS AND WELDING OPERATORS WHO ARE QUALIFIED IN CONFORMANCE WITH REQUIREMENTS, INSPECT QUALIFICATION CARDS.																																																																																																																																																																																																																																																																																																																																																																		
SINGLE PASS FILLET WELDS (MAXIMUM 5/16")	AWS D1.4, ACI 318 26.6.4	PERIODIC	AFTER WELDING, ALL WELDS VISUALLY OBSERVED AND INSPECTED PER AWS D1.4 SECTION 9.5.																																																																																																																																																																																																																																																																																																																																																																		
COMPLETE AND PARTIAL PENETRATION GROOVE WELDS AND ALL OTHER WELDS	AWS D1.4, ACI 318 26.6.4	CONTINUOUS	AFTER WELDING, ALL WELDS VISUALLY OBSERVED AND INSPECTED PER AWS D1.4 SECTION 9.5.																																																																																																																																																																																																																																																																																																																																																																		
PLACEMENT OF BOLTS CAST IN CONCRETE	ACI 318 17.8.2, AISI 360 N5.8	PERIODIC	ALL BOLTS TO BE VISUALLY INSPECTED PRIOR TO PLACING CONCRETE, VERIFY BOLT GRADE, SIZE, CONDITION, LOCATION, SPACING, EDGE DISTANCE AND...																																																																																																																																																																																																																																																																																																																																																																		
ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS IN HARDENED CONCRETE MEMBERS	ACI 318 17.8.2.4, VALID AND APPROVED ICC-ES REPORT	CONTINUOUS	VERIFY ANCHOR OR POST-INSTALLED REINFORCING BAR TYPE, CONCRETE COMPRESSIVE STRENGTH, ADHESIVE IDENTIFICATION AND EXPIRATION DATE, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR OR POST-INSTALLED REINFORCING BAR EMBEDMENT, TIGHTENING TORQUE AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. INSPECT AS REQUIRED PER APPROVED ICC-ES REPORT. VERIFY THAT INSTALLER IS CERTIFIED FOR INSTALLATION OF HORIZONTAL AND OVERHEAD...																																																																																																																																																																																																																																																																																																																																																																		
MECHANICAL ANCHORS AND ALL OTHER ADHESIVE ANCHORS IN HARDENED CONCRETE MEMBERS	ACI 318 17.8.2, VALID AND APPROVED ICC-ES REPORT	PERIODIC	VERIFY ANCHOR OR POST-INSTALLED REINFORCING BAR TYPE, CONCRETE COMPRESSIVE STRENGTH, ADHESIVE IDENTIFICATION AND EXPIRATION DATE, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR OR POST-INSTALLED REINFORCING BAR EMBEDMENT, TIGHTENING TORQUE AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. VERIFY THAT INSTALLER IS CERTIFIED FOR INSTALLATION OF ANCHOR SYSTEMS. INSPECT FIELD PREPARATION OF COMPONENTS, ASSEMBLY OF ANCHOR PLATES ON THE STEEL BARS AND LABELING OF THE PRODUCTS FOR MECHANICAL END ANCHOR PLATES. VERIFY GRADE AND SIZE OF REINFORCING BAR COUPLER IDENTIFICATION, HEADING OF REINFORCING BAR (IF APPLICABLE), FIELD PREPARATION OF COMPONENTS (INCLUDING FIELD PREPARATION OF REINFORCING BAR ENDS), POSITION OF COUPLER, AND...																																																																																																																																																																																																																																																																																																																																																																		
VERIFYING USE OF APPROVED MIX DESIGN(S)	ACI 318 CHAPTER 19, 26.4.3, 26.4.4, IBC 1904.1, 1904.2	PERIODIC	PRIOR TO INSTALLING CONCRETE, INSPECT EACH TRUCK DELIVERY TICKET, VERIFY THAT ALL MIXES USED COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS AND PLACEMENT LOCATION.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE AND SHOTCRETE PLACEMENT	ACI 318 26.5	CONTINUOUS	VERIFY PROPER APPLICATION TECHNIQUES ARE USED DURING CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION, VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE PLACEMENT AT COMPOSITE SLABS	ASCE 9 CHAPTER 3	CONTINUOUS	PRIOR TO AND DURING INSTALLATION OF CONCRETE, INSPECT SPECIAL INSPECTIONS APPLY TO CLEANLINESS OF THE DECK, LOCATION AND CONSTRUCTION OF CONSTRUCTION/CONTROL JOINTS, PLACEMENT OF CONCRETE.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE CURING TEMPERATURE AND TECHNIQUE	ACI 318 26.5.3-26.5.5	PERIODIC	VERIFY CONCRETE CURING PERFORMED IN ACCORDANCE WITH ACI 318 26.5.3 THRU 26.5.5 INCLUDING FOR HOT AND COLD WEATHER PROVISIONS.																																																																																																																																																																																																																																																																																																																																																																		
ERECTION OF PRECAST CONCRETE MEMBERS	ACI 318 26.9	PERIODIC	ALL WELDED AND BOLTED CONNECTIONS TO BE VISUALLY INSPECTED PER SSI S000-001-0212 AND SSI S000-001-0214 REQUIREMENTS. VERIFY PRECAST MEMBER IDENTIFICATION MARKS AND CONFIRM PLACEMENT WITH ERECTION DRAWINGS.																																																																																																																																																																																																																																																																																																																																																																		
PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS	ACI 318 26.13.1.3, ACI 550.5	CONTINUOUS	INSPECT EMBEDDED PART INSTALLATION, COMPLETION OF THE CONTINUITY OF REINFORCING ACROSS JOINTS AND CONNECTION COMPLETION.																																																																																																																																																																																																																																																																																																																																																																		
INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM.	ACI 318 26.13.1.3, ACI 550.5	PERIODIC	INSPECT FOR COMPLIANCE WITH ACI 550.5.																																																																																																																																																																																																																																																																																																																																																																		
POST-TENSIONED CONCRETE, STRUCTURAL BEAM AND SLAB IN-PLACE CONCRETE	ACI 318 26.11.2	PERIODIC	PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF FORMS AND SHORES FROM ELEVATED BEAMS AND STRUCTURAL SLABS, VERIFY IN-PLACE CONCRETE IS IN COMPLIANCE WITH CONSTRUCTION DOCUMENTS AND ACI 318.																																																																																																																																																																																																																																																																																																																																																																		
VERIFICATION OF FORMWORK	ACI 318 26.11.1.2(b)	PERIODIC	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE BEING FORMED.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE STRENGTH	ASTM C39, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND PROJECT SPECIFICATION.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE SLUMP	ASTM C143, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND C172 AND PROJECT SPECIFICATION.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE AIR CONTENT	ASTM C231, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND C172 AND PROJECT SPECIFICATION.																																																																																																																																																																																																																																																																																																																																																																		
CONCRETE TEMPERATURE	ASTM C1064, ACI 318 26.5, 26.12	CONTINUOUS	SAMPLE PER ASTM C172 AND PROJECT SPECIFICATION.																																																																																																																																																																																																																																																																																																																																																																		
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CERTIFICATION OF ACTIVE MECHANICAL AND ELECTRICAL EQUIPMENT THAT MUST REMAIN OPERABLE FOLLOWING THE DESIGN EARTHQUAKE GROUND MOTION	IBC 1705.13.4, ASCE 7 13.2.2	PERIODIC	VERIFY EQUIPMENT LABEL, ANCHORAGE AND MOUNTING CONFORMS WITH CERTIFICATE OF COMPLIANCE PREPARED IN ACCORDANCE ASCE 13.2.2.																																																																																																																																																																																																																																																																																																																																																																		
CERTIFICATION OF COMPONENTS WITH HAZARDOUS SUBSTANCES AND ASSIGNED A COMPONENT IMPORTANCE FACTOR (Ip) OF 1.5 THAT MUST MAINTAIN CONTAINMENT FOLLOWING THE DESIGN EARTHQUAKE GROUND MOTION	IBC 1705.13.4, ASCE 7 13.2.2	PERIODIC	VERIFY COMPONENT LABEL, ANCHORAGE AND MOUNTING CONFORMS WITH CERTIFICATE OF COMPLIANCE PREPARED IN ACCORDANCE ASCE 13.2.2.																																																																																																																																																																																																																																																																																																																																																																		
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DESIGNATED SEISMIC SYSTEM	ASCE 7 13.2.1, IBC 1705.14.3	PERIODIC	DESIGNATED SEISMIC SYSTEM MANUFACTURER TO MEET CERTIFICATION AS ESTABLISHED ON CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH ASCE 7 SECTION 13.2.2. SPECIAL INSPECTOR TO VERIFY DESIGNATED SEISMIC SYSTEM IS IN ACCORDANCE WITH CERTIFICATE OF COMPLIANCE SUBMITTED TO THE BUILDING OFFICIAL.																																																																																																																																																																																																																																																																																																																																																																		
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STRUCTURAL STEEL ELEMENTS - ANCHOR RODS AND OTHER EMBEDMENTS	IBC 1705.13.1, AISI 341	PERIODIC	VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.																																																																																																																																																																																																																																																																																																																																																																		
STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - CJP GROOVE WELDS	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. DYE PENETRANT TESTING (DT) AND ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS FOR MATERIALS GREATER THAN 5/16" THICK.																																																																																																																																																																																																																																																																																																																																																																		
STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - PJP GROOVE WELDS AT COLUMN SPLICE AND COLUMN TO BASE...	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF PARTIAL-JOINT-PENETRATION (PJP)...																																																																																																																																																																																																																																																																																																																																																																		
STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - BEAM COPE AND ACCESS HOLE	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. AT WELDED SPLICES AND CONNECTIONS, THERMALLY CUT SURFACES OF BEAM COPES AND ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING (MT) OR DYE PENETRANT TESTING (DT), WHEN THE FLANGE THICKNESS EXCEEDS 1 1/2 IN. FOR ROLLED SHAPES, OR WHEN THE WEB...																																																																																																																																																																																																																																																																																																																																																																		
STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - K-AREA NONDESTRUCTIVE TESTING	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	WHERE WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, THE WEB SHALL BE TESTED FOR CRACKS USING MAGNETIC PARTICLE TESTING (MT), THE MT INSPECTION AREA SHALL INCLUDE THE K-AREA BASE METAL WITHIN 3-INCHES OF THE WELD. THE MT SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWIN...																																																																																																																																																																																																																																																																																																																																																																		
STRUCTURAL STEEL ELEMENTS - WELDED JOINTS - WELD TAB REMOVAL SITES	IBC 1705.13.1, 1705.14, AISI 341, AWS D1.1, D1.8	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.2. INSPECT AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM-TO-COLUMN JOINT...																																																																																																																																																																																																																																																																																																																																																																		
STRUCTURAL STEEL ELEMENTS - HIGH-STRENGTH BOLTING	IBC 1705.13.1, 1705.14, AISI 341	CONTINUOUS	INSPECTION SHALL BE IN ACCORDANCE WITH AISI 341 J.7																																																																																																																																																																																																																																																																																																																																																																		
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SPRAY FIRE-RESISTANT MATERIALS (SFRM) SUBSTRATE CONDITION	IBC 1705.15.2	PERIODIC	PRIOR TO APPLICATION, CONFIRM THAT SURFACES HAVE BEEN PREPARED ACCORDING TO THE APPROVED FIRE-RESISTANCE DESIGN AND MANUFACTURER'S INSTRUCTIONS.																																																																																																																																																																																																																																																																																																																																																																		
SPRAY FIRE-RESISTANT MATERIALS (SFRM) MATERIAL THICKNESS	IBC 1705.15.4	PERIODIC	VERIFY SFRM THICKNESS ACCORDING TO IBC 1705.15.4.																																																																																																																																																																																																																																																																																																																																																																		
SPRAY FIRE-RESISTANT MATERIALS (SFRM) MATERIAL DENSITY	IBC 1705.15.5	PERIODIC	VERIFY SFRM DENSITY ACCORDING TO IBC 1705.15.5.																																																																																																																																																																																																																																																																																																																																																																		
SPRAY FIRE-RESISTANT MATERIALS (SFRM) BOND STRENGTH	IBC 1705.15.6	PERIODIC	VERIFY BOND STRENGTH OF CURED SFRM ACCORDING TO IBC 1705.15.6.																																																																																																																																																																																																																																																																																																																																																																		
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	AWCI 12-B, IBC 1705.16	PERIODIC	DURING CONSTRUCTION, INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH AWCI 12-B, STANDARD PRACTICE FOR THE TESTING AND INSPECTION OF FIELD APPLIED THIN FILM INTUMESCENT FIRE-RESISTIVE MATERIALS. ADDITIONAL VISUAL INSPECTION SHALL BE PERFORMED AFTER ROUGH INSTALLATION AND, WHERE APPLICABLE, PRIOR TO CONCEALMENT OF ELECTRICAL, AUTOMATIC SPRINKLER, MECHANICAL AND PLUMBING SYSTEMS.																																																																																																																																																																																																																																																																																																																																																																		
FIRE-RESISTANT PENETRATIONS	IBC 1705.18, ASTM E 2174	PERIODIC	INSPECTIONS OF PENETRATION FIRESTOP SYSTEMS CONDUCTED IN ACCORDANCE WITH ASTM E 2174.																																																																																																																																																																																																																																																																																																																																																																		
FIRE-RESISTANT JOINTS	IBC 1705.18, ASTM E 2393	PERIODIC	INSPECTIONS OF FIRE-RESISTANT JOINT SYSTEMS CONDUCTED IN ACCORDANCE WITH ASTM E 2393.																																																																																																																																																																																																																																																																																																																																																																		
SMOKE CONTROL DEVICE LOCATIONS AND LEAKAGE TESTING	IBC 1705.19	PERIODIC	VERIFY DEVICE LOCATIONS AND PERFORM LEAKAGE TESTING. PERFORM DURING ERECTION OF DUCTWORK AND PRIOR TO CONCEALMENT.																																																																																																																																																																																																																																																																																																																																																																		
SMOKE CONTROL DEVICE PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS AND DETECTION AND CONTROL VERIFICATION	IBC 1705.19	PERIODIC	PERFORM PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION.																																																																																																																																																																																																																																																																																																																																																																		
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ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS	IBC 1705.13.6, ASCE 7 13.2.1	PERIODIC	PER IBC 1704.3.2, CHECK THE FOLLOWING IDENTIFIED SYSTEMS FOR GENERAL CONFORMANCE AND VERIFY THAT THE LABEL, ANCHORAGE, OR MOUNTING CONFORMS WITH THE CERTIFICATE OF COMPLIANCE (NOTE: THIS IS NOT A COMPREHENSIVE LIST): ELECTRICAL GENERATOR, TURBINES AND FUEL TANKS. UNINTERRUPTED POWER SOURCE (UPS) SYSTEM AND ASSOCIATED BATTERIES. AUTOMATIC TRANSFER SWITCHES.																																																																																																																																																																																																																																																																																																																																																																		
INSTALLATION AND ANCHORAGE OF PIPING/DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS AND THEIR ASSOCIATED MECHANICAL UNITS	IBC 1705.13.6, ASCE 7 13.2.1	PERIODIC	PER IBC 1704.3.2, CHECK THE FOLLOWING IDENTIFIED SYSTEMS (CONTAINER VESSEL, TANKS, PUMP AND ASSOCIATED PIPING/DUCTWORK) THAT HOLD OR TRANSFER THE FOLLOWING MATERIAL FOR GENERAL CONFORMANCE AND VERIFY THAT THE LABEL, ANCHORAGE, OR MOUNTING CONFORMS WITH THE CERTIFICATE OF COMPLIANCE (NOTE: THIS IS NOT A COMPREHENSIVE LIST): COMBUSTIBLE LIQUID CRYOGENICS, FLAMMABLE CRYOGENICS, INERT CRYOGENICS, OXIDIZING FLAMMABLE GAS FLAMMABLE LIQUID FLAMMABLE LIQUID, COMBINATION FLAMMABLE SOLID ORGANIC PEROXIDE OXIDIZER PYROPHORIC MATERIAL UNSTABLE (REACTIVE) WATER REACTIVE CORROSIVE...																																																																																																																																																																																																																																																																																																																																																																		
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		09/18/2024										

STRUCTURAL STATEMENTS OF SPECIAL INSPECTION

GMLRS
Camden OSD
Calhoun County, Arkansas
Aerjet Rocketdyne

SHEET NO

S-005

SCALE

09/18/2024

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