SPECIAL INSPECTION NOTES

- A. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE (IBC) CHAPTER 17, STATEMENT OF SPECIAL INSPECTIONS AND PROJECT SPECIFICATION REQUIREMENTS.
- B. ALL SPECIAL INSPECTORS SHALL BE UNDER THE SUPERVISION OF A REGISTERED STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER OF RECORD AND JACOBS WILL NOT BE ACTING AS SPECIAL INSPECTOR OR TESTING AGENCY FOR THE PROJECT.
- C. THE QUALIFICATIONS OF ALL SPECIAL INSPECTORS SHALL BE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- 1. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED AGENCY AND APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.
- 2. THE APPROVED AGENCY EMPLOYING THE SPECIAL INSPECTOR SHALL:
- a. BE EMPLOYED BY THE OWNER OR OWNER'S AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR. b. PROVIDE ALL INFORMATION AS NECESSARY FOR THE BUILDING OFFICIAL TO DETERMINE THAT THE AGENCY MEETS THE APPLICABLE REQUIREMENTS SPECIFIED IN IBC SECTIONS 1703.1.1 THROUGH
- c. BE OBJECTIVE, COMPETENT AND INDEPENDENT FROM THE CONTRACTOR RESPONSIBLE FOR THE WORK BEING INSPECTED. THE AGENCY SHALL DISCLOSE TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE POSSIBLE CONFLICTS OF INTEREST
- SO THAT OBJECTIVITY CAN BE CONFIRMED. d. HAVE ADEQUATE EQUIPMENT TO PERFORM REQUIRED TESTS. THE EQUIPMENT SHALL BE
- PERIODICALLY CALIBRATED. e. SHALL EMPLOY EXPERIENCED PERSONNEL EDUCATED IN CONDUCTING, SUPERVISING AND EVALUATING TESTS AND SPECIAL INSPECTIONS.

1. CONCRETE AND PRESTRESSED CONCRETE INSPECTION - ICC CERTIFICATION IN REINFORCED

CONCRETE AND PRESTRESSED CONCRETE OR E.I.T. CERTIFICATION

- D. THE MINIMUM QUALIFICATIONS FOR THE SPECIAL INSPECTORS ARE AS FOLLOWS.
- 2. STRUCTURAL WELDING INSPECTION:

b. NON-DESTRUCTIVE TESTING - A.W.S. C.W.I.

- a. VISUAL TESTING I.C.C CERTIFICATION IN STRUCTURAL STEEL AND WELDING OR A.W.S. CERTIFIED WELD INSPECTOR (C.W.I.)
- 3. HIGH STRENGTH BOLTING INSPECTION ICC CERTIFICATION IN STRUCTURAL STEEL AND WELDING.
- 4. POST-INSTALLED EXPANSION AND ADHESIVE ANCHOR INSPECTION
- a. ICC CERTIFICATION IN REINFORCED CONCRETE AND STRUCTURAL MASONRY b. ACI POST-INSTALLED CONCRETE ANCHOR INSTALLATION PROGRAM CERTIFICATION OR c. E.I.T. CERTIFICATION WITH 2 YEARS APPLICABLE EXPERIENCE.
- 5. STRUCTURAL MASONRY INSPECTION ICC STRUCTURAL CERTIFICATION IN MASONRY OR E.I.T. CERTIFICATION.
- 6. SPECIAL CASES EXPERIENCE ACCEPTABLE TO THE ENGINEER OF RECORD.
- E. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
- 1. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK REQUIRING SPECIAL INSPECTION FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- 2. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO BE KEPT AT THE SITE FOR USE BY THE BUILDING OFFICIAL, THE CONTRACTOR, THE ENGINEER OF RECORD AND THE ARCHITECT OF RECORD. INSPECTION REPORTS SHALL BE SUBMITTED TO THE OFFICE OF THE ENGINEER OF RECORD ON A WEEKLY BASIS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- 3. UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.
- F. DUTIES OF RESPONSIBILITIES OF THE CONTRACTOR:
- 1. FOR ALL CONSTRUCTION OF MAIN WIND- OR SEISMIC- FORCE-RESISTING SYSTEMS, DESIGNATED SEISMIC SYSTEMS OR WIND- OR SEISMIC- FORCE-RESISTING COMPONENTS LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS. A WRITTEN STATEMENT OF RESPONSIBILITY SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE OWNER OR THE OWNER'S AUTHORIZED AGENT PRIOR TO THE COMMENCEMENT OF WORK. THE WRITTEN STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
- 2. NOTIFY THE RESPONSIBLE INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOUR MINIMUM) BEFORE SUCH INSPECTION AS REQUIRED.
- 3. ALL WORK REQUIRING SPECIAL STRUCTURAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT IS OBSERVED BY THE SPECIAL STRUCTURAL INSPECTOR AND WRITTEN ACCEPTANCE HAS
- . REFERENCE THE STATEMENT OF SPECIAL INSPECTION REQUIREMENTS FOR THE PROJECT FOR A LIST OF MATERIALS AND WORK THAT IS SUBJECT TO SPECIAL INSPECTION OR TESTING, THE TYPE AND FREQUENCY OF INSPECTIONS AND WHETHER THE INSPECTIONS ARE CONTINUOUS OR PERIODIC.
- H. SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION (AHJ)
- 1. SUBMITTALS TO THE AHJ SHALL BE IN ACCORDANCE WITH IBC SECTION 1704.5 AND SHALL INCLUDE THE FOLLOWING:

SUBMITTAL REQUIRED	TYPE OF SUBMITTAL
X	CERTIFICATES OF COMPLIANCE FOR THE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES ON THE PREMISES OF AN APPROVED FABRICATOR IN ACCORDANCE WITH IBC SECTION 1704.2.5.1.
Х	CERTIFICATES OF COMPLIANCE FOR SEISMIC QUALIFICATION OF NON-STRUCTRAL COMPONENTS, SUPPORTS AND ATTACHMENTS IN ACCORDANCE WITH IBC SECTION 1705.14.2.
Х	CERTIFICATES OF COMPLIANCE FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH IBC SECTION 1705.14.3.
Х	REPORTS OF PRECONSTRUCTION TESTS FOR SHOTCRETE IN ACCORDANCE WITH ACI 318.
X	CERTIFICATES OF COMPLIANCE FOR OPEN WEB STEEL JOISTS AND JOIST GIRDERS IN ACCORDANCE WITH IBC SECTION 2207.5.
Х	REPORTS OF MATERIAL PROPERTIES VERIFYING COMPLIANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR WELDABILITY AS SPECIFIED IN SECTION 26.6.4 OF ACI 318 FOR REINFORCING BARS IN CONCRETE COMPLYING WITH A STANDARD OTHER THAN ASTM A706 THAT ARE TO BE WELDED.
NR	REPORTS OF MILL TESTS IN ACCORDANCE WITH SECTION 20.2.2.5 OF ACI 318 FOR REINFORCING BARS COMPLYING WITH ASTM A615 AND USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL OR AXIAL FORCES IN THE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS OR COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS OF SEISMIC FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C. D, E OR F.

- X = REQUIRED; NR = NOT REQUIRED A. PROJECT QUALIFICATIONS FOR ADDITIONAL SPECIAL INSPECTIONS, TESTS, OR OBSERVATIONS.
- 1. QUALITY CONTROL SHALL BE IN ACCORDANCE WITH IBC SECTION 1704.5 AND SHALL INCLUDE THE FOLLOWING:

QUALITY CONTROL REQUIRED	TYPE OF QUALITY CONTROL
Х	SPECIAL INSPECTION AND TESTING FOR SEISMIC RESISTANCE PER IBC 1705.13 OR 1705.14
NR	SPECIAL INSPECTION FOR WIND RESISTANCE PER IBC 1705.12
NR	STRUCTURAL OBSERVATION PER IBC 1704.6.1 (SEE STRUCTURAL OBSERVATION NOTES)

X = REQUIRED; NR = NOT REQUIRED

STRUCTURAL OBSERVATION NOTES

- A. STRUCTURAL OBSERVATION SHALL BE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE (IBC) SECTION 1704.6 TOGETHER WITH LOCAL AMENDMENTS REQUIRED BY THE JURISDICTION.
- B. STRUCTURAL OBSERVER SHALL BE EMPLOYED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT, SHALL BE A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE OF THE PROJECT AND SHALL HAVE DESIGN EXPERIENCE FOR THE SYSTEMS UNDER OBSERVATION. THE STRUCTURAL OBSERVER FOR THE PROJECT SHALL BE {PROJECT ENGINEER OF RECORD EMPLOYED BY THE OWNER OR OWNER'S AGENT or OTHER REGISTERED DESIGN PROFESSIONAL EMPLOYED BY THE OWNER OR OWNER'S AGENT).
- C. STRUCTURAL OBSERVATION SHALL BE PERFORMED BY THE STRUCTURAL OBSERVER AND SHALL VERIFY THE STRUCTURAL SYSTEMS, DETAILS AND LOAD PATHS ARE CONSTRUCTED IN GENERAL CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS THROUGH VISUAL OBSERVATION OF REPRESENTATIVE LOCATIONS.
- D. ON-SITE STRUCTURAL OBSERVATION WILL BE PERFORMED AT LEAST ONCE A MONTH, PLUS AT COMPLETION, FOR EACH IDENTIFIED SEISMIC FORCE RESISTING SYSTEM, INCLUDING FOUNDATIONS AND CONNECTIONS.
- E. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR ANY REQUIRED SPECIAL INSPECTIONS OR INSPECTIONS BY THE BUILDING OFFICIAL.
- STRUCTURAL OBSERVATION REPORTS, NOTING ANY DEFICIENCIES, SHALL BE PREPARED BY THE STRUCTURAL OBSERVER AND DELIVERED TO THE CONTRACTOR, BUILDING OFFICIAL, AND OWNER WITHIN ONE WEEK OF THE OBSERVATION. THE CONTRACTOR SHALL BE NOTIFIED ON SITE BY PHONE WITHIN 24 HOURS UPON FINDING DEFICIENCIES.
- G. AT THE CONCLUSION OF CONSTRUCTION, A WRITTEN STATEMENT SHALL BE SUBMITTED BY THE STRUCTURAL OBSERVER VERIFYING THAT THE STRUCTURAL OBSERVATION SITE VISITS WERE MADE AND WHETHER THERE REMAIN ANY STRUCTURAL DEFICIENCIES THAT HAVE NOT BEEN RESOLVED.
- H. STRUCTURAL OBSERVATION SHALL INCLUDE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM FOR EACH STRUCTURE CONTAINED IN THE WORK. THE CONTRACTOR SHALL SCHEDULE AND FACILITATE STRUCTURAL OBSERVATION INCLUDING THE FOLLOWING:
- 1. LATERAL FORCE RESISTING SYSTEM CONNECTION EMBEDS, INCLUDING COLUMN ANCHOR RODS, PRIOR TO CONCRETE PLACEMENT.
- 2. CONCRETE WALL TO FLOOR AND ROOF CONNECTIONS PRIOR TO FORM CLOSURE OR CLADDING
- 3. LATERAL FORCE RESISTING SYSTEM STEEL COLUMNS AND FRAMING INCLUDING COLLECTORS AND
- 4. STEEL COLLECTOR, BRACING, AND MOMENT RESISTING BEAM-COLUMN CONNECTIONS PRIOR TO
- 5. STEEL DECK FASTENING AND OTHER CONNECTIONS PRIOR TO INSTALLATION OF CONCRETE TOPPING
- 6. ALL OTHER WALL ANCHORAGE CONNECTIONS FOR MATERIALS NOT SPECIFICALLY IDENTIFIED.
- 7. LONG-SPAN TRUSS END CONNECTIONS.

INSTALLATION OR OTHER COVER.

STATEMENT OF S	PECIAL INSPE	CTIONS - FABR	ICATED ITEMS

S			CHONS - FADRICATED HEIVIS
	REFERE	NCES: IBC (202	21) SECTION 1705.11
	INSPEC	CTION	
SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS
FABRICATED ITEMS	IBC 1704.2.5	PERIODIC	INSPECT FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OF ASSEMBLIES CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP. SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION, EXCEPT WHERE THE FABRICATOR HAS BEEN APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.2.5.1.
FABRICATOR			VERIFY THAT THE FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION BASED ON REVIEW OF THE FABRICATOR'S WRITTEN FABRICATION PROCEDURES AND QUALITY CONTROL MANUALS THAT PROVIDE A BASIS FOR CONTROL OF MATERIALS AND WORKMANSHIP, WITH PERIODIC AUDITING OF FABRICATION AND QUALITY CONTROL PRACTICES BY AN APPROVED AGENCY OR THE BUILDING OFFICIAL. CONFIRM THAT THE APPROVED FABRICATOR SUBMITTED A CERTIFICATE OF COMPLIANCE TO THE OWNER OR THE OWNER'S AUTHORIZED AGENT FOR SUBMITTAL TO THE BUILDING OFFICIAL AS SPECIFIED IN SECTION 1704.5 STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AT COMPLETION OF FABRICATION.
APPROVAL	IBC 1704.2.5.1	PERIODIC	

STATEMENT OF SPECIAL INSPECTIONS - SOILS								
REFERENCES: IBC (2021) SECTION 1705.6, APPROVED GEOTECHNICAL REPORT								
	INSPECTIO	N/TESTING						
SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	IBC 1705.6 AND APPROVED GEOTECH. REPORT	PERIODIC	BY THE GEOTECHNICAL ENGINEER.					
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	IBC 1705.6 AND APPROVED GEOTECH. REPORT	PERIODIC	BY THE GEOTECHNICAL ENGINEER.					
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	IBC 1705.6 AND APPROVED GEOTECH. REPORT	PERIODIC	BY THE GEOTECHNICAL ENGINEER.					
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING	IBC 1705.6 AND APPROVED							

PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	IBC 1705.6 AND APPROVED GEOTECH. REPORT	PERIODIC	BY THE GEOTECHNICAL ENGINEER.
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	IBC 1705.6 AND APPROVED GEOTECH. REPORT	CONTINUOUS	BY THE GEOTECHNICAL ENGINEER.
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	IBC 1705.6 AND APPROVED GEOTECH. REPORT	PERIODIC	BY THE GEOTECHNICAL ENGINEER. DURING FILL PLACEMENT, THE SPECIAL INSPECTOR SHALL VERIFY THAT PROPER MATERIALS AND PROCEDURES ARE USED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT.
PROCTOR TESTS OF STRUCTURAL FILL MATERIAL	ASTM 698	EACH MATERIAL TO BE COMPACTED	BY GEOTECHNICAL ENGINEER

EACH 5000 SF

OF EACH LIFT PLACED EACH BY GEOTECHNICAL ENGINEER

STRUCTURAL FILL IN-PLACE ASTM D1556

	REFERENCES: IBC (2		
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 MANUFACTURER'S INSTRUCTIONS AND/OR ICC-ES REPORT.
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, MAXIMU 5/16" IN ACCORDANCE WITH AWS D1.4.
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 REQUIRE CONNECTIONS. VERIFY WELDING CONSUMABLES IDENTIFICATION MARKINGS CONFORM TO MANUFACTURER'S CERTIFIED TEST REPORTS. VERIFY WELDING EQUIPMENT CAN PERFORM PER WPS REQUIREMENTS.
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 CONFORMANO WITH REQUIREMENTS. INSPECT QUALIFICATION CARDS.
SINGLE PASS FILLET WELDS (MAXIMUM 5/16") COMPLETE AND PARTIAL	AWS D1.4, ACI 318 26.6.4	PERIODIC	AFTER WELDING, ALL WELDS VISUALLY OBSERVED AND INSPECTED PER AWS D1.4 SECTION 9.5.
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, AISC 360 N5.8	PERIODIC	ALL BOLTS TO BE VISUALLY INSPECTED PRIOR TO PLACING CONCRETE. VERIFY BOLT GRADE, SIZE, CONDITION, LOCATION, SPACING, EDGE DISTANCE AND EMBEDMENT.
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 HORIZONTA AND OVERHEAD INSTALLATION APPLICATIONS. INSPECT PROOF LOADING AS REQUIRED BY THE CONTRACT DOCUMENTS.
	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. VERIF 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, COUPLE IDENTIFICATION, HEADING OF REINFORCING BAR (IF APPLICABLE) FIELD PREPARATION OF COMPONENTS (INCLUDING FIELD PREPARATION OF REINFORCING BAR ENDS), POSITION OF COUPLER, AND PLACEMENT OF REINFORCING BAR SPLICES, AS WELL AS ASSEMBLY OF THE COUPLER COMPONENT FOR MECHANICAL COUPLER SYSTEMS.
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 DELIVED 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 SEGREGATIC OR CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED.
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.
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.

STATEMENT OF SPECIAL INSPECTIONS - STEEL CONSTRUCTION -STRUCTURAL STEEL MATERIAL REFERENCES: IBC (2021) SECTION 1705.2.1, AISC 360 (2016), AWS D1.1 (2020), SDI QA/QC (2017) INSPECTION CODE OR STANDARD SYSTEM OR MATERIAL REFERENCE FREQUENCY REMARKS MATERIAL VERIFICATION OF STRUCTURAL ASTM A6, AISC 360 A3.1 VERIFY CERTIFIED MILL TEST REPORTS. MATERIAL VERIFICATION OF STEEL DECK | SDI QA/QC SECTION 6 VERIFY CERTIFIED MILL TEST REPORTS. MANUFACTURER'S CERTIFIED TEST REPORTS AND MATERIAL VERIFICATION OF HIGH VERIFICATION OF IDENTIFICATION MARKINGS. STRENGTH BOLTS AISC 360 A3.3 PERIODIC MANUFACTURER'S CERTIFIED TEST REPORTS AND MATERIAL VERIFICATION OF ANCHOR

CONTINUOUS PROJECT SPECIFICATION.

SAMPLE AND PREPARE SPECIMENS PER ASTM C31 AND C172 AND

CONTINUOUS SAMPLE PER ASTM C172 AND PROJECT SPECIFICATION.

ASTM C231, ACI 318 26.5,

ASTM C1064, ACI 318

CONCRETE AIR CONTENT

CONCRETE TEMPERATURE 26.5, 26.12

RODS AND THREADED RODS	AISC 360 A3.4		VERIFICATION OF IDENTIFICATION MARKINGS.
MATERIAL VERIFICATION OF STEEL HEADED STUD ANCHORS	AISC 360 A3.6, AWS D1.1 9	PERIODIC	MANUFACTURER'S CERTIFIED TEST REPORTS.
MATERIAL VERIFICATION OF WELD FILLER MATERIALS	AISC 360 A3.5, AWS D1.1 8.2	PERIODIC	MANUFACTURER'S CERTIFIED TEST REPORTS AND VERIFICATION OF IDENTIFICATION MARKINGS.
STA	ATEMENT OF SPECIAL IN	SPECTIONS - STEEL	CONSTRUCTION -
	STAINLES	SS STEEL MATERIAL	
	REFERENCES: IBC (2021)	SECTION 1705.2.1, A	AWS D1.6 (2017)
	INSPEC	TION	
	CODE OD STANDARD		

MATERIAL VERIFICATION OF WELD FILLER MATERIALS	AISC 360 A3.5, AWS D1.1 8.2	PERIODIC	MANUFACTURER'S CERTIFIED TEST REPORTS AND VERIFICATION OF IDENTIFICATION MARKINGS.
STA	ATEMENT OF SPECIAL IN	SPECTIONS - STEEL	. CONSTRUCTION -
	STAINLES	SS STEEL MATERIAL	
I	REFERENCES: IBC (2021)) SECTION 1705.2.1, A	AWS D1.6 (2017)
	INSPEC	TION	
SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS
MATERIAL VERIFICATION OF STAINLESS STEEL	ASTM A276	PERIODIC	VERIFY CERTIFIED MILL TEST REPORTS
MATERIAL VERIFICATION OF BOLTS	ASTM F593	PERIODIC	MANUFACTURER'S CERTIFIED TEST REPORTS AND VERIFICATION OF IDENTIFICATION MARKINGS
MATERIAL VERIFICATION OF ANCHOR RODS AND THREADED RODS	ASTM F593	PERIODIC	MANUFACTURER'S CERTIFIED TEST REPORTS AND VERIFICATION OF IDENTIFICATION MARKINGS
MATERIAL VERIFICATION OF WELD FILLER MATERIALS	AWS D1.6 8.2	PERIODIC	MANUFACTURER'S CERTIFIED MILL TEST REPORTS AN VERIFICATION OF IDENTIFICATION MARKINGS

REFERE	NCES: IBC (2021) SECTION		360 (2016), AWS D1.1 (2020)
	INSPECT	ION	
SYSTEM OR MATERIAL	CODE OR STANDARD REFERENCE	FREQUENCY	REMARKS
VERIFY THAT THE WELDING PROCEDURES SPECIFICATION (WPS) IS AVAILABLE	AWS D1.1 8.3	PERIODIC	PRIOR TO WELDING, INSPECT COPY OF WELDING PROCEDURE SPECIFICATIONS.
VERIFY MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES ARE AVAILABLE	AISC 360 A3.5, AWS D1.1 8.2	PERIODIC	PRIOR TO WELDING. SEE STATEMENT OF SPECIAL INSPECTIONS FOR STEEL MATERIALS. (S000-001-0210)
VERIFY MATERIAL IDENTIFICATION	AISC 360 A3.5, AWS D1.1 8.2	PERIODIC	PRIOR TO WELDING. VERIFY TYPE AND GRADE. BY MANUFACTURER'S CERTIFICATION
WELDER IDENTIFICATION SYSTEM	AISC 360 N5, AWS D1.1 8.4	PERIODIC	PRIOR TO WELDING. VERIFY THAT THE FABRICATOR CERECTOR, HAS A MAINTAINED SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STTYPE.
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	AISC 360 N5, AWS D1.1 8.5	CONTINUOUS	PRIOR TO WELDING. VERIFY PROPER WPS USAGE FOR JOINT. VERIFY PREPARATION OF WELDED JOINT DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACT TACKING (TACK WELD QUALITY AND LOCATION), BACKTYPE AND FIT (IF APPLICABLE).
,	AISC 360 J1.6, AWS D1.1 7.16	CONTINUOUS	PRIOR TO WELDING, VERIFY PROPER WPS USAGE FOR JOINT. VERIFY PREPARATION OF WELDED JOINT DIMENSIONS AND FINISH.
FIT-UP OF FILLET WELDS	AISC 360 N5, AWS D1.1 8.5	LESS. CONTINUOUS AT	PRIOR TO WELDING, VERIFY PROPER WPS USAGE FOR JOINT. VERIFY PREPARATION OF WELDED JOINT DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINI (CONDITION OF STEEL SURFACES), TACKING (TACK WILD QUALITY AND LOCATION)
USE OF QUALIFIED WELDERS	AISC 360 N5, AWS D1.1	PERIODIC	DURING WELDING, VERIFY WELDING PERFORMED BY WELDERS, WELDING OPERATORS, AND TACK WELDER WHO ARE QUALIFIED IN CONFORMANCE WITH REQUIREMENTS. INSPECT QUALIFICATION CARDS.
CONTROL AND HANDLING OF WELDING CONSUMABLES	AISC 360 N5, AWS D1.1 7.3	PERIODIC	DURING WELDING, INSPECT PACKAGING AND ELECTR ATMOSPHERIC EXPOSURE CONTROL
ENVIRONMENTAL CONDITIONS	AISC 360 N5, AWS D1.1 7.11	PERIODIC	DURING WELDING, VERIFY WIND SPEED, PRECIPITATION AND TEMPERATURE WITHIN WELDING ENVIRONMENT LIMITS.
WELDING PROCEDURES SPECIFICATION FOLLOWED	AISC 360 N5, AWS D1.1 8.3	PERIODIC	DURING WELDING, VERIFY SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHE APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.), PROPER POSITION (F, V, H, OH) AND INTER OF FILLER METALS AVOIDED.
WELDING TECHNIQUES	AISC 360 N5, AWS D1.1 8.3	PERIODIC	DURING WELDING, VERIFY WELD INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS. ALL WEITO BE VISUALLY INSPECTED PER AWS D1.1 8.5 AND IN ACCORDANCE WITH TABLE 8.1 VISUAL INSPECTION ACCEPTANCE CRITERIA.
WELDS CLEANED	AISC 360 N5, AWS D1.1 7.29, 8.5	PERIODIC	AFTER WELDING, VERIFY IN-PROCESS AND COMPLETE WELDS HAVE BEEN CLEANED IN ACCORDANCE WITH A D1.1.
SIZE, LENGTH, AND LOCATION OF ALL WELDS	AISC 360 N5, AWS D1.1 8.5	CONTINUOUS	AFTER WELDING, VERIFY SIZE, LENGTH, AND LOCATIC ALL WELDS CONFORM TO THE REQUIREMENTS OF TH DETAIL DRAWINGS. ALL WELDS TO BE VISUALLY INSPECTED PER AWS D1.1 8.5 AND IN ACCORDANCE W TABLE 8.1 VISUAL INSPECTION ACCEPTANCE CRITERIA
WELDS MEET VISUAL ACCEPTANCE	AISC 360 N5, AWS D1.1	CONTINUOUS	AFTER WELDING, VERIFY CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION WELD PROFILES, WELD SIZE AND UNDERCUT POROSI ALL WELDS TO BE VISUALLY INSPECTED PER AWS D1. AND IN ACCORDANCE WITH TABLE 8.1 VISUAL INSPECTANCE.
CRITERIA ARC STRIKES	8.5 AISC 360 N5. AWS D1.1 7.28	CONTINUOUS	ACCEPTANCE CRITERIA. AFTER WELDING, VERIFY COMPLIANCE WITH AWS D1.
K-AREA	AISC 360 J10.8, N5	CONTINUOUS	AFTER WELDING, VERIFY WELDING OF DOUBLER PLAT CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE V K-AREA FOR CRACKS.
BACKING REMOVED, WELD TABS REMOVED AND FINISHED, AND FILLET WELDS ADDED WHERE REQUIRED	AISC 360 N5, AWS D1.1 7.9, 7.30	CONTINUOUS	AFTER WELDING, VERIFY COMPLIANCE WITH AWS D.1 AND 7.30.
REPAIR ACTIVITIES	AISC 360 N5, AWS D1.1 7.25	CONTINUOUS	AFTER WELDING, VERIFY REPAIRS ARE IN COMPLIANG WITH AWS D.1.1 7.25.
	AISC 360 N5, AWS D1.1 8.5	CONTINUOUS	AFTER WELDING, MAINTAIN RECORDS IN ACCORDANCE WITH AWS D1.1 8.5.
OF WELDED JOINT OR MEMBER QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL	AISC 360 N5, AWS D1.1 8.1	PERIODIC	VERIFY THAT VISUAL WELD INSPECTION AND NONDESTRUCTIVE TESTING (NDT) IS CONDUCTED BY PERSONNEL QUALIFIED IN ACCORDANCE WITH AWS D 8.1.
CJP GROOVE WELDS	AISC 360 N5, AWS D1.1 8.5	CONTINUOUS	DYE PENETRANT TESTING (DT) AND ULTRASONIC TES (UT) SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS FOR MATERIALS GREATER THAN 5/16" (8MM) T
WELDED JOINTS SUBJECT TO FATIGUE	AISC 360 N5, AWS D1.1 8.5	CONTINUOUS	DYE PENETRANT TESTING (DT) AND ULTRASONIC TES (UT) SHALL BE PERFORMED ON 100% OF WELDED JOII IDENTIFIED ON CONTRACT DRAWINGS AS BEING SUBJTO FATIGUE.
	AISC 360 N5, AWS D1.1	CONTINUOUS	AT THE END OF WELDS WHERE WELD TABS HAVE BEE REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM-TO-COLUMN JOINTS







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