

QUALITY ASSURANCE PROGRAM

- CONTRACTOR SHALL INFORM ENGINEER OF RECORD OF THE FOLLOWING MILESTONES IN CONSTRUCTION SO THAT SITE OBSERVATION VISITS MAY BE SCHEDULED AT THE APPROPRIATE TIMES.
 - FOUNDATION SYSTEM PRIOR TO PLACING CONCRETE.
 - STEEL STRUCTURE ONCE ERECTION IS COMPLETE AND STRUCTURE HAS BEEN PLUMBED.
 - ROOF DECK PRIOR TO COVERING WITH MEMBRANE.
 - EXTERIOR STUD WALL FRAMING PRIOR TO COVERING WITH FINISHES.

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS PER IBC 2015

- SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS REQUIRED BY SECTION 110 OF THE IBC.
 - REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO: CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
 - SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.

IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS AND TESTING:

| SPECIAL INSPECTIONS AND TESTS OF SOILS | | | | |
|--|--|-------------------------|---------------------------------|------------------------|
| SPECIAL INSPECTION REQUIRED Y/N | VERIFICATION AND INSPECTION TASK | FREQUENCY OF INSPECTION | PERIODICALLY DURING TASK LISTED | REFERENCE FOR CRITERIA |
| Y | 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. | --- | X | 1705.6 |
| Y | 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. | --- | X | 1705.6 |
| Y | 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. | --- | X | 1705.6 |
| Y | 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. | X | --- | 1705.6 |
| Y | 5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY. | --- | X | 1705.6 |

| SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION | | | | | |
|--|--|-------------------------------|-----------------------------|--|--------------------------------|
| SPECIAL INSPECTION REQUIRED Y/N | TYPE | CONTINUOUS SPECIAL INSPECTION | PERIODIC SPECIAL INSPECTION | REFERENCED STANDARD | IBC REFERENCE |
| Y | 1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT. | --- | X | ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3 | 1908.4 |
| N | 2. REINFORCING BAR WELDING: | | | | |
| N | a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706. | --- | X | AWS D1.4 | --- |
| N | b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" | --- | X | ACI 318: 26.5.4 | --- |
| N | c. INSPECT ALL OTHER WELDS. | X | --- | --- | --- |
| Y | 3. INSPECT ANCHORS CAST IN CONCRETE. | --- | X | ACI 318: 17.8.2 | --- |
| Y | 4. INSPECTION OF ANCHORS AND REINFORCING BARS POST-INSTALLED IN HARDENED CONCRETE MEMBERS: | | | | |
| Y | a. ADHESIVE ANCHORS AND REINFORCING BARS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. | X | --- | ACI 318: 17.8.2.4 | --- |
| Y | b. MECHANICAL ANCHORS, REINFORCING BARS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a. | --- | X | ACI 318: 17.8.2 | --- |
| Y | 5. VERIFY USE OF REQUIRED DESIGN MIX. | --- | X | ACI 318: CH. 19, 26.4.3, 26.4.4 | 1904.1, 1904.2, 1908.2, 1908.3 |
| Y | 6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. | X | --- | ASTM C 172, ASTM C 311, ACI 318: 26.4.5, 26.12 | 1908.10 |
| Y | 7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES. | X | --- | ACI 318: 26.4.5 | 1908.6, 1908.7, 1908.8 |
| Y | 8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. | --- | X | ACI 318: 26.4.7-26.4.9 | 1908.9 |
| N | 9. INSPECT PRESTRESSED CONCRETE FOR: | | | | |
| N | a. APPLICATION OF PRESTRESSING FORCES. | X | --- | ACI 318: 26.9.2.1 | --- |
| N | b. GROUTING OF BONDED PRESTRESSING TENDONS. | X | --- | ACI 318: 26.9.2.3 | --- |
| N | 10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS. | --- | X | ACI 318: CH. 26.9 | --- |
| N | 11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS. | --- | X | ACI 318: 26.10.2 | --- |
| Y | 12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. | --- | X | ACI 318: 26.10.1(b) | --- |

| LEVEL A QUALITY ASSURANCE OF MASONRY (TMS 402-13/ACI 530-13/ASCE 5-13 TABLE 3.1.1) | |
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| SPECIAL INSPECTION REQUIRED Y/N | MINIMUM VERIFICATION |
| Y | PRIOR TO CONSTRUCTION, VERIFY CERTIFICATES OF COMPLIANCE USED IN MASONRY CONSTRUCTION. |

| SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION | | | | |
|---|--|----------------------|------------------------|--------------------|
| SPECIAL INSPECTION REQUIRED Y/N | VERIFICATION AND INSPECTION TASK | TYPE OF INSPECTION | | REFERENCE STANDARD |
| | | QUALITY CONTROL TASK | QUALITY ASSURANCE TASK | |
| Y | 1. INSPECTION TASKS PRIOR TO WELDING: | | | |
| Y | a. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE. | P | P | |
| Y | b. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE. | P | P | |
| Y | c. MATERIAL IDENTIFICATION (TYPE/GRADE). | O | O | |
| Y | d. WELDER IDENTIFICATION SYSTEM. | O | O | |
| Y | e. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): | | | |
| | 1) JOINT PREPARATION. | | | |
| | 2) DIMENSIONS (ALIGNMENT, ROOT FACE, BEVEL). | O | O | |
| | 3) CLEANLINESS (CONDITION OF STEEL SURFACES). | O | O | |
| | 4) TACKING (TACK WELD QUALITY AND LOCATION). | O | O | |
| | 5) BACKING TYPE AND FIT (IF APPLICABLE). | O | O | |
| Y | f. CONFIGURATION AND FINISH OF ACCESS HOLES. | O | O | |
| Y | g. FIT-UP OF FILLET WELDS: | | | |
| | 1) DIMENSIONS (ALIGNMENT, GAPS AT ROOT) | O | O | |
| | 2) CLEANLINESS (CONDITION OF STEEL SURFACES) | O | O | |
| | 3) TACKING (TACK WELD QUALITY AND LOCATION) | O | O | |
| Y | h. CHECK WELDING EQUIPMENT. | O | --- | |
| Y | 2. INSPECTION TASKS DURING WELDING: | | | |
| Y | a. USE OF QUALIFIED WELDERS. | O | O | |
| Y | b. CONTROL AND HANDLING OF WELDING CONSUMABLES: | | | |
| | 1) PACKAGING | O | O | |
| | 2) EXPOSURE CONTROL | O | O | |
| Y | c. NO WELDING OVER CRACKED TACK WELDS. | O | O | |
| Y | d. ENVIRONMENTAL CONDITIONS: | | | |
| | 1) WIND SPEED WITHIN LIMITS | O | O | |
| | 2) PRECIPITATION AND TEMPERATURE | O | O | |
| | e. WPS FOLLOWED. | O | O | |
| | 1) SETTINGS ON WELDING EQUIPMENT. | O | O | |
| | 2) TRAVEL SPEED | O | O | |
| | 3) SELECTED WELDING MATERIALS | O | O | |
| | 4) SHIELDING GAS TYPE/FLOW RATE | O | O | |
| | 5) PREHEAT APPLIED | O | O | |
| | 6) INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) | O | O | |
| | 7) PROPER POSITION (F, V, H, OH) | O | O | |
| Y | f. WELDING TECHNIQUES: | | | |
| | 1) INTERPASS AND FINAL CLEANING. | O | O | |
| | 2) EACH PASS WITHIN PROFILE LIMITATIONS. | O | O | |
| | 3) EACH PASS MEETS QUALITY REQUIREMENTS. | O | O | |
| Y | 3. INSPECTION TASKS AFTER WELDING: | | | |
| Y | a. WELDS CLEANED. | O | O | |
| Y | b. SIZE, LENGTH, AND LOCATION OF WELDS. | P | P | |
| Y | c. WELDS MEET VISUAL ACCEPTANCE CRITERIA: | | | |
| | 1) CRACK PROHIBITION | O | O | |
| | 2) WELD/BASE-METAL FUSION | O | O | |
| | 3) CRATER CROSS SECTION | P | P | |
| | 4) WELD PROFILES | O | O | |
| | 5) WELD SIZE | O | O | |
| | 6) UNDERCUT | O | O | |
| | 7) POROSITY | O | O | |
| Y | d. ARC STRIKES. | P | P | |
| Y | e. KAREA. | P | P | |
| Y | f. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED). | P | P | |
| Y | g. REPAIR ACTIVITIES. | P | P | |
| Y | h. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER. | P | P | |
| Y | 4. INSPECTION TASKS PRIOR TO BOLTING: | | | |
| Y | a. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS. | O | O | |
| Y | b. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS. | O | O | |
| Y | c. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL: | | | |
| | 1) GRADE | O | O | |
| | 2) TYPE | O | O | |
| | 3) BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE | O | O | |
| Y | d. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS. | O | O | |
| Y | e. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED. | P | O | |
| Y | f. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS. | O | O | |
| Y | 5. INSPECTION TASKS DURING BOLTING: | | | |
| Y | a. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED. | O | O | |
| Y | b. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION. | O | O | |
| Y | c. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING. | O | O | |
| Y | d. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RSCC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES. | O | O | |
| Y | 6. INSPECTION TASKS AFTER BOLTING: | | | |
| Y | a. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS. | P | P | |
| N | 7. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO PLACEMENT: | | | |
| N | a. PLACEMENT AND INSTALLATION OF STEEL DECK. | P | P | |
| N | b. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS. | P | P | |
| N | c. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS. | P | P | |
| Y | 8. INSPECTION OF ANCHOR ROD PLACEMENT AND PLACEMENT OF EMBEDDED ITEMS: | | | |
| Y | a. DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR ROD OR EMBEDDED ITEM. | P | P | |
| Y | b. EXTENT OR DEPTH OF EMBEDMENT INTO CONCRETE. | P | P | |
| Y | 9. INSPECTION OF THE FABRICATED STEEL OR ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS. | P | P | |

O: ITEMS NEED TO BE OBSERVED ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P: ITEMS NEED TO BE PERFORMED FOR EACH WELD JOINT OR MEMBER.

| SPECIAL INSPECTION AND VERIFICATION OF COLD-FORMED STEEL DECK | | | | |
|---|--|----------------------|------------------------|-------------------------------|
| SPECIAL INSPECTION REQUIRED Y/N | VERIFICATION AND INSPECTION TASK | TYPE OF INSPECTION | | REFERENCED STANDARD |
| | | QUALITY CONTROL TASK | QUALITY ASSURANCE TASK | |
| Y | 1. INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT: | | | |
| Y | a. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES (WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE MATERIAL THICKNESS). | P | P | SDI-ANSI-QA-OC-2011 TABLE 1.1 |
| Y | b. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES. | P | P | |
| Y | 2. INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT: | | | |
| Y | a. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS. | P | P | SDI-ANSI-QA-OC-2011 TABLE 1.2 |
| Y | b. VERIFY DECK MATERIALS ARE REPRESENTED BY MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS. | --- | P | |
| Y | c. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES. | P | P | |
| Y | 3. INSPECTION OR EXECUTION TASKS PRIOR TO WELDING: | | | |
| Y | a. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE. | O | O | |
| Y | b. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE. | O | O | |
| Y | c. MATERIAL IDENTIFICATION (TYPE/GRADE). | O | O | |
| Y | d. CHECK WELDING EQUIPMENT. | O | O | |
| Y | 4. INSPECTION EXECUTION TASKS DURING WELDING: | | | |
| Y | a. USE OF QUALIFIED WELDERS. | O | O | |
| Y | b. CONTROL AND HANDLING OF WELDING CONSUMABLES. | O | O | |
| Y | c. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE) | O | O | |
| Y | d. WPS FOLLOWED. | O | O | |
| Y | 5. INSPECTION OR EXECUTION TASKS AFTER WELDING: | | | |
| Y | a. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS. | P | P | SDI-ANSI-QA-OC-2011 TABLE 1.3 |
| Y | b. WELDS MEET VISUAL ACCEPTANCE CRITERIA. | P | P | |
| Y | a. VERIFY REPAIR ACTIVITIES. | P | P | |
| Y | b. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS. | P | P | |
| Y | 6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING: | | | |
| Y | a. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS. | O | O | SDI-ANSI-QA-OC-2011 TABLE 1.4 |
| Y | b. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION. | O | O | |
| Y | c. PROPER STORAGE FOR MECHANICAL FASTENERS. | O | O | |
| Y | 7. INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING: | | | |
| Y | a. FASTENERS ARE POSITIONED AS REQUIRED. | O | O | SDI-ANSI-QA-OC-2011 TABLE 1.5 |
| Y | b. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. | O | O | |
| Y | 8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING: | | | |
| Y | a. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS. | P | P | SDI-ANSI-QA-OC-2011 TABLE 1.6 |
| Y | b. CHECK SPACING, TYPE AND INSTALLATION OF SIDELAP FASTENERS. | P | P | |
| Y | c. CHECK SPACING, TYPE AND INSTALLATION OF PERIMETER FASTENERS. | P | P | |
| Y | d. VERIFY REPAIR ACTIVITIES. | P | P | |
| Y | e. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS. | P | P | |

O: ITEMS NEED TO BE OBSERVED ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT WORK WAS PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.
P: ITEMS NEED TO BE PERFORMED FOR EACH ITEM OR ELEMENT.
N: WITHIN THE LISTED TASKS, "DOCUMENT" SHALL MEAN THE INSPECTOR SHALL PREPARE, REPORTS OR OTHER APPROPRIATE WRITTEN DOCUMENTATION INDICATING THAT WORK HAS OR HAS NOT BEEN PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

| SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS | | | | |
|--|--|-------------------------------|-----------------------------|---|
| SPECIAL INSPECTION REQUIRED Y/N | TYPE | CONTINUOUS SPECIAL INSPECTION | PERIODIC SPECIAL INSPECTION | REFERENCED STANDARD |
| | | | | |
| Y | a. END CONNECTIONS-WELDING OR BOLTED. | --- | X | SJI SPECIFICATIONS LISTED IN SECTION 2207.1 |
| Y | b. BRIDGING-HORIZONTAL OR DIAGONAL. | --- | X | SJI SPECIFICATIONS LISTED IN SECTION 2207.1 |
| Y | 1. STANDARD BRIDGING. | --- | X | |
| Y | 2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1. | --- | X | |

| SPECIAL INSPECTION AND VERIFICATION OF COLD-FORMED STEEL LIGHT FRAME CONSTRUCTION | | | | |
|---|---|----------------------|------------------------|---------------------|
| SPECIAL INSPECTION REQUIRED Y/N | VERIFICATION AND INSPECTION TASK | TYPE OF INSPECTION | | REFERENCED STANDARD |
| | | QUALITY CONTROL TASK | QUALITY ASSURANCE TASK | |
| Y | 1. MATERIAL VERIFICATION TASKS PRIOR TO ASSEMBLY OR INSTALLATION | | | |
| Y | a. VERIFY COMPLIANCE OF COLD-FORMED STEEL STRUCTURAL MEMBERS: | | | |
| | 1. STRUCTURAL STUD SIZE AND GAGE. | P | P | D6.5-1 |
| | 2. PROPER SEATING OF STUDS IN TRACK. | P | P | |
| | 3. STUD HEADER SIZE, GAGE, AND CONSTRUCTION PER STRUCTURAL DRAWINGS. | P | P | |
| Y | b. VERIFY COMPLIANCE OF CONNECTORS. | P | P | |
| Y | 2. MATERIAL VERIFICATION TASKS AFTER ASSEMBLY OR INSTALLATION | | | |
| Y | a. VERIFY COMPLIANCE OF COLD-FORMED STEEL STRUCTURAL MEMBERS: | | | |
| | 1. STRUCTURAL STUD SIZE AND GAGE. | P | P | D6.5-2 |
| | 2. PROPER SEATING OF STUDS IN TRACK. | P | P | |
| | 3. STUD HEADER SIZE, GAGE, AND CONSTRUCTION PER STRUCTURAL DRAWINGS. | P | P | |
| Y | b. VERIFY COMPLIANCE OF CONNECTORS. | P | P | |
| Y | c. DOCUMENT ACCEPTANCE OR REJECTION OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND CONNECTORS. | --- | P | |
| Y | 3. INSPECTION OR EXECUTION TASKS PRIOR TO WELDING | | | |
| Y | a. WELDING PROCEDURE SPECIFICATIONS AVAILABLE. | O | O | D6.6-1 |
| Y | b. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE. | O | O | |
| Y | c. MATERIAL IDENTIFICATION (TYPE/GRADE). | O | O | |
| Y | d. CHECK WELDING EQUIPMENT. | O | O | |
| Y | 4. INSPECTION OR EXECUTION TASKS DURING WELDING | | | |
| Y | a. USE OF QUALIFIED WELDERS. | O | O | D6.6-2 |
| Y | b. CONTROL AND HANDLING OF WELDING CONSUMABLES. | O | O | |
| Y | c. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE) | O | O | |
| Y | d. WELDING PROCEDURE SPECIFICATIONS FOLLOWED. | O | O | |
| Y | 5. INSPECTION OR EXECUTION TASKS AFTER WELDING | | | |
| Y | a. VERIFY COMPLIANCE OF WELDS. | P | P | 6.6-3 |
| Y | b. WELDS MEET VISUAL ACCEPTANCE CRITERIA. | P | P | |
| Y | c. VERIFY REPAIR ACTIVITIES. | P | P | |
| Y | d. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED CONNECTIONS. | --- | P | |
| Y | 6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING | | | |
| Y | a. MECHANICAL FASTENER MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS. | O | O | D6.7-1 |
| Y | b. PROPER TOOLS AVAILABLE FOR MECHANICAL FASTENER INSTALLATION. | O | O | |
| Y | c. PROPER STORAGE FOR MECHANICAL FASTENERS. | O | O | |
| Y | 7. INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING | | | |
| Y | a. MECHANICAL FASTENERS ARE POSITIONED AS REQUIRED. | O | O | D6.7-2 |
| Y | b. MECHANICAL FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. | O | O | |
| Y | 8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING | | | |
| Y | a. VERIFY COMPLIANCE OF MECHANICAL FASTENERS. | P | P | D6.7-3 |
| Y | b. VERIFY REPAIR ACTIVITIES. | P | P | |
| Y | c. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICALLY FASTENED CONNECTIONS. | --- | P | |
| Y | 9. INSPECTION OR EXECUTION TASKS AFTER INSTALLATION OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION | | | |
| Y | a. VERIFY COMPLIANCE OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION. | P | P | D6.8-1 |
| Y | b. DOCUMENT ACCEPTANCE OR REJECTION OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION. | --- | P | |

O: ITEMS NEED TO BE OBSERVED ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
P: ITEMS NEED TO BE PERFORMED FOR EACH WELD JOINT OR MEMBER.

| STRUCTURAL TESTING FOR SEISMIC RESISTANCE OF SEISMIC FORCE RESISTING SYSTEMS | | | | |
|--|-------------------------------|----------------------|--|--|
| SPECIAL INSPECTION REQUIRED Y/N | VERIFICATION AND TESTING TASK | FREQUENCY OF TESTING | | |