

NOT FOR CONSTRUCTION

PROJECT MANAGER DESIGNER  
DL CD  
JOB NO. 2022359.04

USPS - MID-HUDSON, NY  
391 GOVERNOR DRIVE  
NEWBURGH, NY 12550



Facilities: 4301 Wilson Blvd., Suite 300, Arlington, VA 22203-1861

SPECIAL INSPECTIONS

Scale: NTS  
Project: USPS - MID-HUDSON, NY  
USPS File Number: 35506-G02

Revisions: 100% OWNER REVIEW  
Date: 02/23/2023

S-002.1

**SPECIAL INSPECTION AND TESTING:**

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES.

**THE SPECIAL INSPECTIONS AND TESTING PROGRAM:**

THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN BC SECTION 110. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE IN ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE SPECIAL INSPECTOR. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL, NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

THE PROJECT OWNER IS RESPONSIBLE FOR EMPLOYING SPECIAL INSPECTION SERVICES. THE SPECIAL INSPECTOR/AGENCY SHALL NOT BE IN THE EMPLOY OF THE CONTRACTOR, SUBCONTRACTOR OR MATERIAL SUPPLIER, BC SEC. 1704.2. IN THE CASE OF AN OWNER/CONTRACTOR, THE SPECIAL INSPECTOR/AGENCY SHALL BE EMPLOYED AS SPECIFIED BY THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED SUBSTANTIVE ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY ARCHITECT/ENGINEER.

THE INSPECTION AND TESTING AGENTS SHALL DISCLOSE ANY PAST OR PRESENT BUSINESS RELATIONSHIP OR POTENTIAL CONFLICT OF INTEREST WITH THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS WHOSE WORK IS TO BE INSPECTED OR TESTED. THE SPECIAL INSPECTOR SHALL HAVE NO FINANCIAL INTEREST IN PROJECTS FOR WHICH THEY PROVIDE SPECIAL INSPECTION SERVICES.

**SPECIAL INSPECTION REPORT REQUIREMENTS:**

SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

REPORT REQUIREMENT. SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTS. THE SPECIAL INSPECTOR SHALL FURNISH THE INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS, TESTS, AND CORRECTION OF ANY OF THE DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

**CONTRACTOR RESPONSIBILITIES:**

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN ADVANCE OF THE CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION FOR THE ITEMS LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO THE SPECIAL INSPECTOR FOR ALL INSPECTIONS.

THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS.

PROVIDE ACCESS TO APPROVED PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO APPROVED PLANS. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF THE CONTRACT DOCUMENTS AT THE JOB SITE.

CORRECT DISCREPANCIES AND DEVIATIONS. THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

WORK COMPLETED WITHOUT INSPECTION. WORK REQUIRING INSPECTION WHICH IS COMPLETED WITHOUT INSPECTION WILL BE REJECTED SOLELY ON THAT BASIS.

RETAIN SPECIAL INSPECTION RECORDS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR RETAINING AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTOR.

COORDINATE AND SUBMIT. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING TO THE BUILDING OFFICIAL AND THE OWNER A STATEMENT OF CONTRACTOR RESPONSIBILITY, BC SECTION 1704.4, FOR THEMSELVES AND FOR SUBMITTING A STATEMENT OF CONTRACTOR RESPONSIBILITY FOR EACH STRUCTURAL COMPONENT SUBCONTRACTOR. THE STATEMENTS OF RESPONSIBILITY SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

- THE STATEMENT OF CONTRACTOR RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
  - ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
  - ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
  - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF THE REPORTS.
  - IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.
- STRUCTURAL COMPONENT SUBCONTRACTORS INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL STEEL FABRICATORS AND ERECTORS, COMPONENT FABRICATORS SUCH AS STEEL JOISTS, METAL OR WOOD TRUSSES, CONCRETE, AND MASONRY CONTRACTORS.
- AT THE COMPLETION OF STRUCTURAL COMPONENT FABRICATION, THE FABRICATORS SHALL SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

**THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:**

RETESTING AND REINSPECTION OF MATERIALS, WORK AND/OR PRODUCTS THAT DO NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS/SUBMITTAL DATA.

REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCEDURES BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGENCIES.

REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF THE SPECIAL INSPECTOR OR AGENTS WHEN SHOP INSPECTION IS REQUIRED OF A NON-APPROVED STRUCTURAL COMPONENT FABRICATOR.

**INSPECTION OF FABRICATION:**

WHERE FABRICATION OF STRUCTURAL LOAD BEARING, OR LATERAL LOAD RESISTING MEMBERS OR ASSEMBLIES ARE PERFORMED ON THE PREMISES OF THE FABRICATOR, THE SHOP FABRICATION REQUIRES SPECIAL INSPECTION DURING THE FABRICATION OF ITEMS FOR THIS PROJECT.

**EXEMPTION:**

FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA.

EXAMPLES ARE: AISC CERTIFICATION FOR A STEEL FABRICATOR, SA CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

AT THE COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

**STEEL INSPECTION AND TESTING NOTES:**

STRUCTURAL STEEL TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD BOLTED CONNECTIONS WILL BE TESTED AND INSPECTED ACCORDING TO RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A550 OR A588 BOLTS.

FIELD WELDS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS D1.1, IN ADDITION TO VISUAL INSPECTION, WELDED MOMENT CONNECTIONS WILL BE TESTED BY ULTRASONIC, ASTM E164, OR OTHER AWS APPROVED METHOD.

**MASONRY INSPECTION AND TESTING NOTES:**

CONCRETE MASONRY TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF TMS 402, TMS 602 AND THE SCHEDULE OF SPECIAL INSPECTIONS. INSPECTION SHALL INCLUDE GENERAL INSPECTION OF WORK IN PROGRESS TO CONFIRM THAT MATERIALS, CONSTRUCTION, AND WORKMANSHIP ARE IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND GOOD CONSTRUCTION PRACTICES. ADDITIONALLY, MORTAR SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C780 ANNEX A6. EACH TEST SHALL CONSIST OF THREE SPECIMENS.

FREQUENCY OF TESTING: AT THE BEGINNING OF MASONRY CONSTRUCTION AND FOR EVERY 5000 SQUARE FEET OF MASONRY INSTALLED THEREAFTER.

COLD WEATHER = LESS THAN 40 DEGREES FAHRENHEIT  
HOT WEATHER = GREATER THAN 80 DEGREES FAHRENHEIT  
INSPECTOR TO BE CERTIFIED BY THE INTERNATIONAL CODE COMMISSION.

**OTHER REQUIRED INSPECTIONS:**

THE REQUIREMENTS OF SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE OF THE INTERNATIONAL BUILDING CODE ARE MINIMUM REQUIREMENTS AND DO NOT LIMIT THE REQUIREMENTS FOR THE CONTRACTOR TO PROVIDE OTHER QUALITY CONTROL INSPECTIONS AND TESTING REQUIRED BY THE OWNER, CONTRACT DOCUMENTS, OR OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.

**SCHEDULE OF SPECIAL INSPECTIONS**

1704.2.5 INSPECTION OF FABRICATORS			
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT	
		Y/N	EXTENT
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW (3) DURING FABRICATION	Y	SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.1.

1706.2 STEEL CONSTRUCTION (AISC 300: CHAPTER N)			
MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT	
		Y/N	EXTENT
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 300, CHAPTER 8, SECTIONAL MANUFACTURER'S COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	Y	EACH SUBMITTAL
2. MATERIALS: VERIFICATION OF STRUCTURAL STEEL HIGH-STRENGTH BOLTS, NUTS, WASHERS AND WELD FILLER MATERIALS	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC
3. EMBLEMMENTS: VERIFY DIAMETER, GRADE, TYPE, LENGTH AND EMBLEMMENT (SEE 1703.3 FOR ANCHORS)	FIELD INSPECTION	Y	PERIODIC
4. VERIFY MEMBERS, LOCATIONS, BRACES, STIFFENERS AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPARE WITH CONSTRUCTION DOCUMENTS	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC
5. STRUCTURAL STEEL WELDING	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC
6. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 300, TABLE NS.4.1)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)
7. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 300, TABLE NS.4.2)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE (4)
8. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 300, TABLE NS.4.3)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)
9. NONDESTRUCTIVE (NDT) TESTING OF WELDED JOINTS (AISC 308, WJ.3)	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC
10. USE OF QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL	PERFORMED	Y	PERIODIC
11. COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY 3	SHOP (3) OR FIELD (ULTRASONIC TESTING - 20% OF WELDS MINIMUM)	Y	PERFORM
12. WELDED JOINTS SUBJECT TO FATIGUE	DT AND IT SHALL BE PERFORMED ON 10% OF WELDED JOINTS AS BEING SUBJECT TO FATIGUE	Y	PERFORM
13. WELDED TAP REMOVAL SITES	THE USE OF WELDS (SHIMMER WELDS) THAT HAVE BEEN REMOVED, MAGNETIC PARTICLES BEING REMOVED, SHALL BE PERFORMED ON THE SAME BEAM TO COLUMN JOINTS RECEIVING IT.	Y	PERFORM
14. FABRICATORS NOT REPORTS WHEN FABRICATORS PERFORMS NDT	VERIFY REPORTS	Y	EACH SUBMITTAL (5)
15. STRUCTURAL STEEL BOLTING	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC
16. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLT AND NUT, THE QA TASKS LISTED IN AISC 300, TABLE NS.6.1)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	OBSERVE OR PERFORM AS NOTED (4)
17. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 300, TABLE NS.6.2)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	OBSERVE (4)
18. PRE-TENSIONED AND SLIP-CRITICAL JOINTS	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERIODIC
19. TURN-OF-BOLT METHOD (MATCH-MARKING)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERIODIC
20. DIRECT TENSION INDICATOR	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERIODIC
21. TWIST-OFF TYPE TENSION CONTROL BOLT	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERIODIC
22. SNUG-TIGHT JOINTS	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERIODIC
23. INSPECTION TASKS AFTER BOLTING (PERFORM INSPECTION TASKS FOR EACH BOLTED CONNECTION ACCORDANCE WITH QA TASKS LISTED IN AISC 300, TABLE NS.6.3)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERFORM (4)

1706.2.2 COLD FORMED STEEL DECK (SDI 600C - 2017)			
TABLE 1.1 INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT			
TASK	Y/N	EXTENTS	
A. VERIFY COMPLIANCE OF MATERIAL, DECK AND ALL DECK ACCESSORIES WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES AND BASE METS THICKNESS.	Y	EACH SUBMITTALS	
B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	Y	EACH SUBMITTALS	
TABLE 1.2 INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT			
TASK	Y/N	EXTENTS	
A. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	Y	PERIODIC	
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MALL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	Y	PERIODIC	
C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	Y	PERIODIC	
TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING			
TASK	Y/N	EXTENTS	
A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	Y	PERIODIC	
B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	Y	PERIODIC	
C. MATERIAL IDENTIFICATION (TYPE/GRADE).	Y	PERIODIC	
D. CHECK WELDING EQUIPMENT.	Y	PERIODIC	
TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING			
TASK	Y/N	EXTENTS	
A. USE OF QUALIFIED WELDERS.	Y	PERIODIC	
B. CONTROL AND HANDLING OF WELDING CONSUMABLES.	Y	PERIODIC	
C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	Y	PERIODIC	
D. WPS FOLLOWED.	Y	PERIODIC	
TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING			
TASK	Y/N	EXTENTS	
A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP AND PERMETER WELDS.	Y	PERIODIC	
B. WELDS MEET VISUAL ACCEPTANCE CRITERIA.	Y	PERIODIC	
C. VERIFY REPAIR ACTIVITIES.	Y	PERIODIC	
D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS.	Y	PERIODIC	
TABLE 1.6 INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING			
TASK	Y/N	EXTENTS	
A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	Y	PERIODIC	
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	Y	PERIODIC	
C. PROPER STORAGE FOR MECHANICAL FASTENERS.	Y	PERIODIC	
TABLE 1.7 INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING			
TASK	Y/N	EXTENTS	
A. FASTENERS ARE POSITIONED AS REQUIRED.	Y	PERIODIC	
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	Y	PERIODIC	
TABLE 1.8 INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING			
TASK	Y/N	EXTENTS	
A. CHECK SPACING, TYPE AND INSTALLATION OF SUPPORT FASTENERS.	Y	PERIODIC	
B. CHECK SPACING, TYPE AND INSTALLATION OF SIDELAP FASTENERS.	Y	PERIODIC	
C. CHECK SPACING, TYPE AND INSTALLATION OF PERMETER FASTENERS.	Y	PERIODIC	
D. VERIFY REPAIR ACTIVITIES.	Y	PERIODIC	
E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	Y	PERIODIC	

1705.2.5 OPEN-WEB STEEL JOIST AND JOIST GRIDDERS			
TYPE	APPLICABLE TO PROJECT		REFERENCED STANDARD
	Y/N	EXTENT	
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GRIDDERS	Y	EXTENT	
A. END CONNECTIONS - WELDED OR BOLTED	Y	PERIODIC	SAI SPECIFICATIONS LISTED IN SECTION 2207.1.
B. BRIDGING - HORIZONTAL OR DIAGONAL	Y	PERIODIC	SAI SPECIFICATIONS LISTED IN SECTION 2207.1.
C. STANDARD BRIDGING	Y	PERIODIC	SAI SPECIFICATIONS LISTED IN SECTION 2207.1.
D. BRIDGING THAT DIFFERS FROM THE SAI SPECIFICATIONS LISTED IN SECTION 2207.1.	Y	PERIODIC	

1705.3 CONCRETE CONSTRUCTION			
MATERIAL/ACTIVITY	APPLICABLE TO PROJECT		IBC REFERENCE
	Y/N	EXTENT	
1. INSPECT REINFORCEMENT, ANCHLING, PRESTRESSING TENDONS AND VERIFY PLACEMENT	Y	PERIODIC	ACI 318 OR BS 8001, 26.3, 26.6.1, 26.8.3 1008.4
2. REINFORCING BAR WELDING	Y	PERIODIC	AWS D1.4 ACI 318 26.4
3. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	Y	PERIODIC	CONTOINUOUS
4. INSPECT BRIDGE DECK PASS FILET WELDS MAX. 5/16"	Y	PERIODIC	CONTOINUOUS
5. INSPECT ALL OTHER WELDS	Y	PERIODIC	CONTOINUOUS
6. INSPECT ANCHORS CAST IN CONCRETE	Y	PERIODIC	ACI 318 17.8.2
7. INSPECT ANCHORS POST-INSTALLED IN UNHARDENED CONCRETE MEMBERS	Y	CONTINUOUS	ACI 318 17.8.2
8. INSPECT ANCHORS INSTALLED OR HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	Y	PERIODIC	ACI 318 17.8.2
9. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT COVERED BY 6.	Y	PERIODIC	ACI 318 CH 19 25.6.3, 26.4 1909.2, 1909.3
10. VERIFY USE OF DESIGNED CURING	Y	PERIODIC	ACI 318 CH 19 25.6.3, 26.4 1909.2, 1909.3
11. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	Y	CONTINUOUS	ASTM C172 ASTM C91 ACI 318 26.5, 26.12 1008.1
12. INSPECT CONCRETE AND SHORCRETS PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	CONTINUOUS	ACI 318 26.5 1909.8, 1909.9, 1909.1
13. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE	Y	PERIODIC	ACI 318 26.5.3, 26.5.5 1008.9
14. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES B. CRACKING OF UNDESIRED PRESTRESSING TENDONS	N	CONTINUOUS	ACI 318 26.10
15. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	N	PERIODIC	ACI 318 CH 36.9
16. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO ERECTION OF TENDONS FOR UNHARDENED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BRIDGE AND STRUCTURAL SLABS	N	PERIODIC	ACI 318 26.1.2
17. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	PERIODIC	ACI 318 26.11.1(20)
18. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS	Y	PERIODIC	

FOR 8" HIGH - 24" WID.  
(A) WHERE APPLICABLE, SEE ALSO SECTION 1705.3.3. SPECIAL INSPECTIONS FOR BEARING RESISTANCE.  
(B) SPECIFIC REQUIREMENTS FOR BRIDGES AND JOISTS SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR BOLTED BY AN APPROVED SPECIAL INSPECTOR. IN ACCORDANCE WITH 17.8.2 AND 19.6, FOR OTHER QUALIFICATION PROCEDURES, WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED IN THE BUILDING OFFICIAL'S APPROVED CONTRACT DOCUMENTS, THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

- NOTES:
- THE INSPECTION AND TESTING AGENT OR AGENTS, SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE REGISTERED DESIGN PROFESSIONAL.
  - SUBMIT A LIST OF THE SPECIAL INSPECTORS ON A SEPARATE DOCUMENT TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL.
  - SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2 ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED IN ACCORDANCE WITH IBC SECTION 1704.2.1.
  - OBSERVE ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.
  - NOT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AUTHORITY AS AISC 300, NF.

- DEFINITIONS:
- SPECIAL INSPECTOR: INSPECTION OF CONSTRUCTION REQUIRING THE EXPERTISE OF AN APPROVED SPECIAL INSPECTOR IN ORDER TO ENSURE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
  - SPECIAL INSPECTOR: QUALIFIED FIRM OR INDIVIDUAL RESPONSIBLE FOR PERFORMING SPECIFIC TESTS OR INSPECTIONS AS PART OF THE SPECIAL INSPECTION PROGRAM.
  - PERIODIC: SPECIAL INSPECTION: THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK, BE ALLOWED WHEN CONSTRUCTION OF THE WORK OR PRODUCT CAN BE DETERMINED AFTER BEING INCORPORATED INTO THE STRUCTURE.
  - CONTINUOUS: SPECIAL INSPECTION: THE FULL OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.

1705.4 MASONRY CONSTRUCTION						
MINIMUM VERIFICATION	REQUIRED FOR QUALITY ASSURANCE			REFERENCE FOR CRITERIA		
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602	
1. PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS:	R	R	R		ART. 1.5	
2. PRIOR TO CONSTRUCTION, VERIFICATION OF F <sub>m</sub> AND F <sub>ac</sub> , EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.	NR	R	R		ART. 1.4.8	
3. DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY (DECK FLO) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE.	NR	R	R		ART. 1.5 AND 1.6.1	
4. DURING CONSTRUCTION, VERIFICATION OF F <sub>m</sub> AND F <sub>ac</sub> FOR EVERY 5000 SQUARE FEET.	NR	NR	R		ART. 1.4.8	
5. DURING CONSTRUCTION, VERIFICATION OF PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREPARED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.	NR	NR	R		ART. 1.4.8	
MINIMUM SPECIAL INSPECTIONS						
	LEVEL 1	LEVEL 2	LEVEL 3			