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Cold-Formed Framing

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	PRIOR TO ASSEMBLY OR INSTALLATION:		AISI S240 TABLE D6.5-1	
1.01	VERIFY COMPLIANCE OF STRUCTURAL MEMBERS FOR PRODUCT IDENTIFICATION	PERFORM	AISI S240 SECTION A5.5	ATA
1.02	VERIFY COMPLIANCE OF CONNECTORS	PERFORM		ATA
1.03	DOCUMENT ACCEPTANCE OR REJECTION OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND CONNECTORS	PERFORM		ATA
2.00	AFTER ASSEMBLY OR INSTALLATION:		AISI S240 TABLE D6.5-2	
2.01	VERIFY COMPLIANCE OF COLD-FORMED STEEL STRUCTURAL MEMBERS FOR PRODUCT IDENTIFICATION	PERFORM	AISI S240 SECTION A5.5	ATA
2.02	VERIFY COMPLIANCE OF CONNECTORS	PERFORM		ATA
2.03	DOCUMENT ACCEPTANCE OR REJECTION OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND CONNECTORS	PERFORM		ATA
3.00	PRIOR TO WELDING:		AISI S240 TABLE D6.6-1	
3.01	WELDING PROCEDURE SPECIFICATIONS AVAILABLE	OBSERVE		ATA
3.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE		ATA
3.03	MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE		ATA
3.04	CHECK WELDING EQUIPMENT	OBSERVE		ATA
4.00	DURING WELDING:		AISI S240 TABLE D6.6-2	
4.01	USE OF QUALIFIED WELDERS	OBSERVE		ATA
4.02	CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE		ATA
4.03	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE		ATA
4.04	WELDING PROCEDURE SPECIFICATIONS FOLLOWED	OBSERVE		ATA
5.00	AFTER WELDING:		AISI S240 TABLE D6.6-3	
5.01	VERIFY COMPLIANCE OF WELDS	PERFORM		ATA
5.02	WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM		ATA
5.03	VERIFY REPAIR ACTIVITIES	PERFORM		ATA
5.04	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED CONNECTIONS	PERFORM		ATA
6.00	PRIOR TO MECHANICAL FASTENING:		AISI S240 TABLE D6.7-1	
6.01	MECHANICAL FASTENER MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE		ATA
6.02	PROPER TOOLS AVAILABLE FOR MECHANICAL FASTENER INSTALLATION	OBSERVE		ATA
6.03	PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE		ATA
7.00	DURING MECHANICAL FASTENING:		AISI S240 TABLE D6.7-2	
7.01	MECHANICAL FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE		ATA
7.02	MECHANICAL FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE		ATA
8.00	AFTER MECHANICAL FASTENING:		AISI S240 TABLE D6.7-3	
8.01	VERIFY COMPLIANCE OF MECHANICAL FASTENERS	PERFORM		ATA
8.02	REPAIR ACTIVITIES	PERFORM		ATA
8.03	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICALLY FASTENED CONNECTIONS	PERFORM		ATA
9.00	AFTER INSTALLATION OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION:		AISI S240 TABLE D6.8-1	
9.01	VERIFY COMPLIANCE OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION	PERFORM		ATA
9.02	DOCUMENT ACCEPTANCE OR REJECTION OF COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION	PERFORM		ATA
10.00	PRIOR TO INSTALLATION OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEMS:		AISI S240 TABLE D6.9-1	
10.01	VERIFY COMPLIANCE OF SHEAR WALL AND DIAPHRAGM SHEATHING, DIAGONAL STRAP BRACING, AND HOLD-DOWNS	PERFORM		ATA
10.02	DOCUMENT ACCEPTANCE OR REJECTION OF SHEAR WALL AND DIAPHRAGM SHEATHING, DIAGONAL STRAP BRACING, AND HOLD-DOWNS	PERFORM		ATA
11.00	PRIOR TO WELDING OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEMS:		AISI S240 TABLE D6.9-2	
11.01	WELDER IDENTIFICATION SYSTEM	OBSERVE		ATA
11.02	FIT-UP OF WELDS (ALIGNMENT, GAPS, CONDITION OF STEEL SURFACES)	OBSERVE		ATA
12.00	PRIOR TO MECHANICAL FASTENING OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEMS:		AISI S240 TABLE D6.9-3	
12.01	PROPER FASTENERS SELECTED	OBSERVE		ATA
12.02	PROPER INSTALLATION PROCEDURE SELECTED	OBSERVE		ATA
12.03	CONNECTING ELEMENTS MEET APPLICABLE REQUIREMENTS	OBSERVE		ATA
13.00	DURING MECHANICAL FASTENING OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEMS:		AISI S240 TABLE D6.9-4	
13.01	FOR SCREW CONNECTIONS, JOINT BROUGHT TIGHT TO AVOID GAPS BETWEEN PLIES	OBSERVE		ATA
13.02	FOR SCREW CONNECTIONS, TOOL ADJUSTED TO AVOID STRIPPED AND OVERDRIVEN FASTENERS	OBSERVE		ATA
13.03	FOR POST-INSTALLED CONNECTIONS TO CONCRETE, INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	PERFORM		ATA
14.00	AFTER INSTALLATION OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEMS:		AISI S240 TABLE D6.9-5	
14.01	VERIFY COMPLIANCE OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEM INSTALLATION	PERFORM		ATA
14.02	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF COLD-FORMED STEEL LATERAL FORCE RESISTING SYSTEM	PERFORM		ATA
15.00	COLD-FORMED STEEL TRUSSES WITH A CLEAR SPAN OF 60 FEET OR GREATER:		AISI S240 IBC 1705.2.4	
15.01	TEMPORARY RESTRAINTS/BRACING INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL	PERIODIC		ATA
15.02	PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINTS/BRACING INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL	PERIODIC		ATA

Concrete

NO.	INSPECTION TASK	FREQUENCY	REFERENCE STANDARD	Agent
1.00	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3; IBC 1908.4	ATA
2.00	INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC	ACI 318: 17.8.2	ATA
3.00	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			ATA
4.00	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	ATA
5.00	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. DETERMINE UNIT WEIGHT OF LIGHTWEIGHT CONCRETE.	CONTINUOUS	ASTM C 172; ASTM C 31; ACI 318:26.4.5, 26.12; IBC 1908.10	ATA
6.00	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.4.7-26.4.9; IBC 1908.9	ATA
7.00	ISOLATED CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (1)	ATA
8.00	CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION OR THOSE THAT ARE DESIGNED IN ACCORDANCE WITH IBC 2015 TABLE 1809.7 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (2)	ATA
9.00	SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (3)	ATA
10.00	CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH IBC 2015 TABLE 1807.1.6.2 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (4)	ATA

Wood Framing

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECT PREFABRICATED WOOD STRUCTURAL ELEMENTS AND SITE-BUILT ASSEMBLIES	PERIODIC	IBC 1704.2.5, 1705.5	ATA
2.00	INSPECT GRADE OF WOOD MATERIALS:			
2.01	SAWN LUMBER FRAMING	PERIODIC		ATA
3.00	INSPECT FRAMING AND DETAILS:			
3.01	FRAMING LAYOUT, MEMBER SIZES, AND BEARING LENGTHS	PERIODIC		ATA
3.02	BLOCKING AND BRIDGING	PERIODIC		ATA
3.03	HOLES AND NOTCHES (a)	PERIODIC		ATA
4.00	INSPECT CONNECTIONS:			
4.01	BOLTED AND SCREWED CONNECTIONS, INCLUDING DIAMETER, LENGTH, SPACING AND EDGE DISTANCE.	PERIODIC		ATA
4.02	NAILED CONNECTIONS, INCLUDING DIAMETER, LENGTH, TYPE AND SPACING OF NAILS.	PERIODIC		ATA
4.03	PROPRIETARY HANGERS AND FRAMING ANCHORS, INCLUDING FASTENER SIZES AND QUANTITIES.	PERIODIC		ATA
4.04	TIE-DOWN ANCHORS, INCLUDING ANCHOR ROD SIZE AND FASTENER SIZES AND QUANTITIES.	PERIODIC		ATA
5.00	INSPECT SHEAR WALLS AND DIAPHRAGMS:			
5.01	WOOD STRUCTURAL PANEL GRADE AND THICKNESS	PERIODIC		ATA
5.02	FASTENER SIZE, LENGTH AND SPACING	PERIODIC		ATA
5.03	FRAMING MEMBER SIZES AT PANEL EDGES	PERIODIC		ATA
5.04	BLOCKING AT PANEL EDGES	PERIODIC		ATA
5.05	FIELD GLUING	CONTINUOUS		ATA
5.06	HIGH-LOAD DIAPHRAGMS	PERIODIC	IBC 1705.5.1	ATA
6.00	INSPECT METAL-PLATE CONNECTED WOOD TRUSSES:			
6.01	TEMPORARY INSTALLATION RESTRAINT/BRACING AND PERMANENT INDIVIDUAL MEMBER RESTRAINT/BRACING FOR TRUSS SPANNING 60' OR MORE.	PERIODIC	IBC 1705.5.2	ATA
6.02	MULTI-PLY TRUSS CONNECTIONS	PERIODIC		ATA
NOTES:	(a) INSPECTIONS OF HOLES AND NOTCHES TO BE PERFORMED AFTER ELECTRICAL, MECHANICAL AND PLUMBING.			

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RELEASES / DESCRIPTION / DATES

NOT FOR CONSTRUCTION
 RELEASED FOR CONSTRUCTION

DATE 06.23.2020
 DRAWN GVA
 CHECKED WAW
 APPROVED ROW

PROJECT NUMBER 20012.01

SHEET TITLE
 SPECIAL INSPECTIONS

DRAWING NO. S1.6