

TABLE 1704.5.1—LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

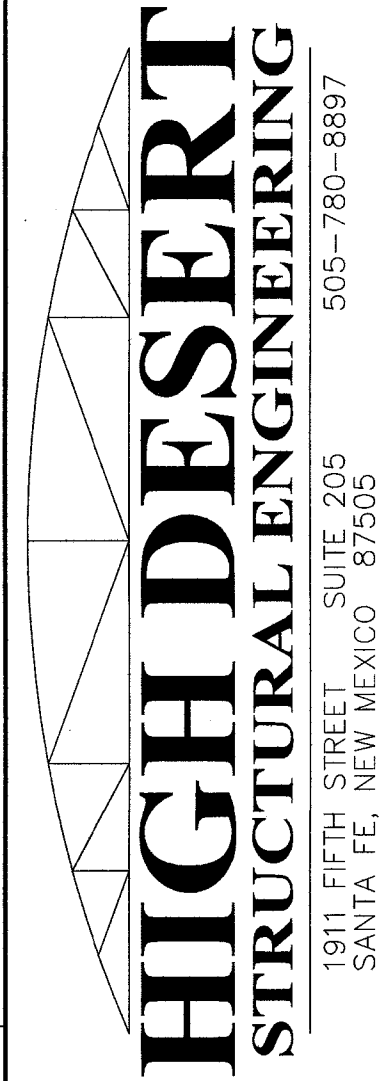
INSPECTION TASK	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	ACI 530/ASCE 5/TMS 402°	ACI 530.1/ASCE 6/TMS 602 ^a
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	--	X	--	--	ART 1.5
2. VERIFICATION OF fn AND FOC PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	--	X	--	--	ART 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.	--	--	--	--	ART 1.5B.1.b.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
a. PROPORTIONS IF SITE-PREPARED MORTAR.	--	X	--	--	ART 2.6A
b. CONSTRUCTION OF MORTAR JOINTS.	--	X	--	--	ART 3.3B
c. LOCATION OF REINFORCEMENT AND CONNECTORS.	--	X	--	--	ART 3.4, 3.6A
d. PRESTRESSING TECHNIQUE.	--	--	--	--	ART 3.6B
e. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	--	--	--	--	ART 2.4B, 2.4H
5. THE INSPECTION PROGRAM SHALL VERIFY:					
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	--	--	--	--	ART 3.3F
b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	--	X	--	SEC 1.2.2(e), 1.16.1	--
c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	--	X	--	SEC 1.15	ART 2.4, 3.4
d. WELDING OF REINFORCING BARS.	--	--	--	SEC 2.1.9.7.2, 3.3.3.4(b)	--
e. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F).	--	X	SEC 2104.3, 2104.4	--	ART 1.8C, 1.8D
f. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	--	--	--	--	ART 3.6B
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
a. GROUT SPACE IS CLEAN.	--	X	--	--	ART 3.2D
b. PLACEMENT OF REINFORCEMENT AND CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	--	X	--	SEC 1.13	ART 3.4
c. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	--	--	--	--	ART 2.6B
d. CONSTRUCTION OF MORTAR JOINTS.	--	X	--	--	ART 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	--	--	--	ART 3.5
a. GROUTING OF PRESTRESSING BONDED TENDONS.	--	--	--	--	ART 3.6C
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	--	X	SEC 2105.2.2, 2105.3	--	ART 1.4

FOR SI: $^{\circ}\text{C} = (^{\circ}\text{F} - 32^{\circ})/1.8$.

TABLE 1704.3—REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	--	X	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS	--
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	--	X	--	--
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
A. SNUG-TIGHT JOINTS.	--	X	AISC 360, SECTION M2.5	1704.3.3
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATIONS.	--	--		
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATIONS.	--	--		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	--	--	AISC 360, SECTION M5.5	--
B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	--	--	APPLICABLE ASTM MATERIAL STANDARDS	
C. MANUFACTURER'S CERTIFIED TEST REPORTS.	--	--		
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	--	X	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	--
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	--	X	--	--
5. INSPECTION OF WELDING:				
A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	--	AWS D1.1	1704.3.1
2) MULTI-PASS FILLET WELDS.	X	--		
3) SINGLE-PASS FILLET WELDS $> 5/16"$	X	--		
4) PLUG AND SLOT WELDS.	X	--		
5) SINGLE PASS FILLET WELDS $\leq 5/16"$	--	X	AWS D1.3	
6) FLOOR AND ROOF DECK WELDS.	--	X		
B. REINFORCING STEEL:				
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	--.	--.	AWS D14 ACI 318: 5.5.2	--
2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS AND SHEAR REINFORCEMENT.	--.	--.		
3) SHEAR REINFORCEMENT.	--.	--.		
4) OTHER REINFORCING STEEL.	--.	--.		
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:				
A. DETAILS SUCH AS BRACING AND STIFFENING.	--.	--.	--	1704.3.2
B. MEMBER LOCATIONS.	--.	--.		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	--.	--.		

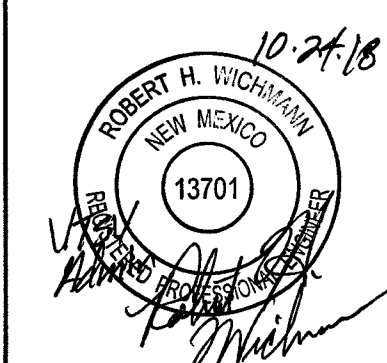
FOR SI: 1 INCH = 25.4 MM
a. WHERE APPLICABLE, SEE ALSO SECTION 1707.1, SPECIAL INSPECTION FOR SEISMIC RESISTANCE.



SPECIAL INSPECTION TABLES

1E: VTSV ADMINISTRATION BUILDING
VILLAGE OF TAOS SKI VALLEY, NM

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