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

INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: IBC SECTION	REFERENCE FOR CRITERIA: ACI 530/ ASCE 5/ TMS 402[a]	REFERENCE FOR CRITERIA: 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 f'm AND f'acc 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 FOLLOWNG 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: °C = (°F –32°)/1.8.
a. THE SPECIFIC STANDARDS REFERENCED ARE THOSE LISTED IN CHAPTER 35.

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 ≤ 5/16"	--	X		
6) FLOOR AND ROOF DECK WELDS.	--	X	AWS D1.3	
B. REINFORCING STEEL:				
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	--.	--.	AWS D1.4 ACI 318: 3.5.2	--
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.

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SHEET TITLE: SPECIAL INSPECTION TABLES

PROJECT TITLE: VTSV ADMINISTRATION BUILDING
VILLAGE OF TAOS SKI VALLEY, NM

10-24-18
ROBERT H. WICHMAN NEW MEXICO 13701 PROFESSIONAL ENGINEER

No.	REVISION	BY	APP'D.	DATE

DESIGNED: RHW
CHECKED: RHW
DRAFTER: DJH
PROJECT No. 18–xxxx
DATE: DDMMMYY
SCALE: AS NOTED

SHEET No.
S-004
OF: xx