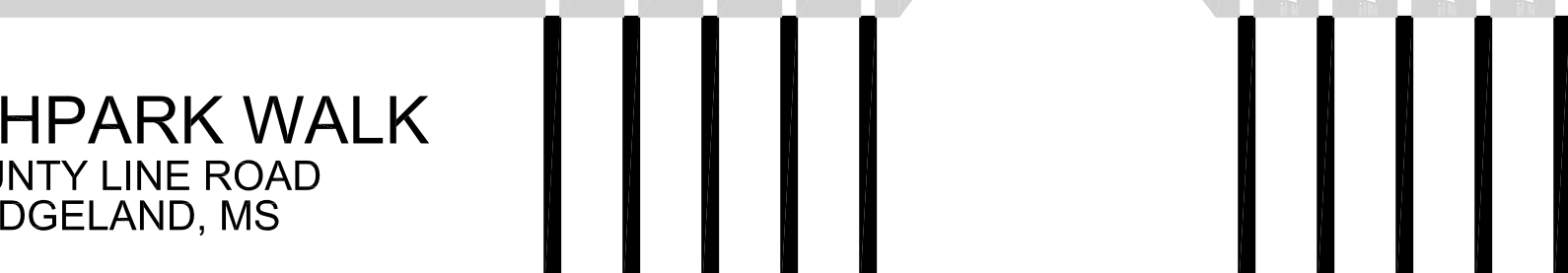


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COLLINS GOODMAN

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ATLANTA, GEORGIA 30309

SCHEDULES
AND SPECIAL
INSPECTIONS

105081100
MKV

05/23/2024
MFR

DATE 12/19/05

**TABLE T104.3
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS. a. IDENTIFICATION MARKINGS TO CONFORM TO A370 STANDARD SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURERS' CERTIFICATE OF COMPLIANCE REQUIRED.		X	AISC/LRFD A370 MATERIAL SPECIFICATIONS, AISC A36, SECTION A3.4 AISC LRFD SECTION A3.3	—
2. INSPECTION OF HIGH-STRENGTH BOLTING: a. BEARING - TYPE CONNECTIONS. b. SLIP-CRITICAL CONNECTIONS.		X	AISC A36, LRFD, SECTION 13.5	T1043.3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL: a. IDENTIFICATION MARKINGS TO CONFORM TO CONSTRUCTION DOCUMENTS. b. MANUFACTURERS' CERTIFIED MILL TEST REPORTS REQUIRED.		X	A370 A & OR A370 A & OR A370 A & OR A36	T1024
4. INSPECTION OF FABRICATOR a. MATERIAL VERIFICATION OF WELD FILLER MATERIALS. b. IDENTIFICATION MARKINGS TO CONFORM TO AISC SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS. c. MANUFACTURERS' CERTIFICATE OF COMPLIANCE REQUIRED.		X	AISC A36, LRFD, SECTION 13.6 AISC LRFD SECTION A3.5	—
5. INSPECTION OF WELDING: a. STRUCTURAL STEEL. b. COMPLETE AND PARTIAL PENETRATION GROOVE c. MIL-D-8838 FILLER WELDS d. SINGLE-PASS FILLER WELDS > 5/16" e. FLOOR/ROOF DECK WELDS AND LAP SCREWS f. COLD FORMED STEEL FRAMING MEMBERS g. WELDED SHEAR STUDS h. WELDED SHEAR STUDS i. REINFORCING STEEL j. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN A370 A 106 k. REINFORCING STEEL REBARS HORIZONTAL AND VERTICAL JOINTS IN INTERMEDIATE AND SPECIAL MOMENT RESISTING CONNECTIONS AND SPECIAL SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT l. SHEAR REINFORCEMENT m. OTHER REINFORCING STEEL n. INSPECTION OF STEEL BRACE JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS. o. DETAILS SUCH AS BRACING AND STIFFENING. p. MEMBER LOCATIONS. q. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	X	X	A36 D11 A36 D13 A36 D14 A36 D11 A36 D14 A36 D14 A36 D14 A36 D14	T1043.1 12035.2

**TABLE T104.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT. 2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE T104.3, ITEM 5B.		X	ACI 318, 3.5, 11.1-11.11 AISC D14 AISC 318, 5.5.2 ACI 308	12035, 12071, 12044, 12035.2
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE		X	ACI 308	1912
4. VERIFYING USE OF REQUIRED DESIGN MIX a. IDENTIFICATION MARKINGS TO CONFORM TO AISC SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS. b. MANUFACTURERS' CERTIFICATE OF COMPLIANCE REQUIRED.		X	ACI 318, CH. 4, 5.2, 5-4	1204, 1205.2, 1205.4, 1204.2, 1204.3
5. SAMPLING FRESH CONCRETE AND REINFORCING STEEL AIR CONTENT AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	X		ASTM C 172 A370 C 31 ACI 318, 5.6, 5.6	1205.6, 12040, 12071, 12044
6. INSPECTION FOR PROPER APPLICATION TECHNIQUES, PLACEMENT FOR PROPER APPLICABLE TECHNIQUES.	X		ACI 318, 5.9, 5.10	1205.9, 1205.10, 1204.6, 1204.7, 1204.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	ACI 318, 5.11-5.13	1205.11, 1205.13, 1204.9
8. INSPECTION OF PRESTRESSED CONCRETE: a. APPLICATION OF PRESTRESSING FORCES. b. GRROUTING OF BONDED PRESTRESSING TENDONS IN THE DESIGN-FORCE-RESISTING SYSTEM.	X		ACI 318, 12B.3 ACI 318, 12B.4	—
9. ERECTION OF PRECAST CONCRETE MEMBERS.		X	ACI 318, CH. 16	—
10. FABRICATION OF PRECAST CONCRETE MEMBERS.		X	ACI 318, CH. 16	T1042
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		X	ACI 318, 6.2	1206.2

**TABLE T104.5
LEVEL 1 SPECIAL INSPECTION - MASONRY**

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA	IBC SECTION	ACI 530/ASCE 5/TMS 402	ART. 264, ART. 33B, ART. 3A
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: a. PROPORTIONS OF SITE PREPARED MORTAR b. CONSTRUCTION OF MORTAR JOINTS. c. LOCATION OF REINFORCEMENT AND CONNECTORS. 2. THE INSPECTION PROGRAM SHALL VERIFY: a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. b. TYPE SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL STEELS, FINISHES OR OTHER CONSTRUCTION. c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT. d. WELDING OF REINFORCING BARS. e. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F).		X	—	—	ACI 530/ASCE 5/TMS 402	ART. 264, ART. 33B, ART. 3A
3. BEFORE TO GRROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: a. GROUT SPACE IS CLEAN. b. PLACEMENT OF REINFORCING AND CONNECTORS. c. PROPORTIONS OF SITE PREPARED GROUT. d. CONSTRUCTION OF MORTAR JOINTS. 4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE GROUT FILLING OF ALL SPACES AND CONSTRUCTION DOCUMENT PROVISIONS. 5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR FRIERS SHALL BE OBSERVED. 6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	X	X	SEC. 2109.9.2.11 ITEM 2 SEC. 2104.3, 2104.4	SEC. 112 SEC. 112.4, 112.4.1 AND SEC. 85.17	—	ART. 12, ART. 14, ART. 15

**MIN. LAP SPLICE LENGTH SCHEDULE
(3000 PSI)**

BAR TYPE	BAR SIZE				
	3	4	5	6	7
FOOTINGS	17"	22"	26"	33"	40"
WALLS	22"	29"	36"	43"	53"
SLABS/BEAMS (BOTTOM BARS)	22"	29"	36"	43"	63"
SLABS/BEAMS (TOP BARS)	26"	31"	41"	56"	81"

- NOTES:
1. THESE TABLES ARE APPLICABLE FOR REGULAR WEIGHT CONCRETE. IF LIGHTWEIGHT AGGREGATE CONCRETE IS USED, MULTIPLY TABLE VALUES BY 1.3.
2. REBAR IS ASSUMED TO BE UNCOATED (NO EPOXY COATING).

**MIN. LAP SPLICE LENGTH SCHEDULE
FOR CMU**

BAR TYPE	BAR SIZE				
	3	4	5	6	7
6" CMU	19"	23"	31"	37"	42"
12" CMU	19"	23"	31"	37"	42"

- NOTES:
1. Fm = 1500 psi
2. REBAR IS ASSUMED TO BE UNCOATED (NO EPOXY COATING).
3. REBAR IS LOCATED IN CENTER OF CELL.

CONCRETE MASONRY LINTEL SCHEDULE

SPAN	REINFORCING		
	6" WALL	8" WALL	12" WALL
0'-0" TO 4'-0"	8"	1 - 5	1 - 5
4'-0" TO 6'-0"	8"	1 - 5	1 - 5
6'-0" TO 8'-0"	8"	1 - 5	2 - 4
8'-0" TO 10'-0"	8"	1 - 5	2 - 4
10'-0" TO 12'-0"	8"	1 - 5	2 - 4

- NOTE:
1. PROVIDE 8" BEARING (MIN) @ EA END.
2. REINFORCE END BEARING WITH #5 IN GROUT FILL (MINO).
3. 6" DEEP LINTEL MAY BE CONSTRUCTED OF 6" U-BLOCK (BELOW) AND 8" DEEPER WEB BLOCK (ABOVE) - FULLY GROUTED.
4. BOTTOM REINF. COVER SHALL BE A MAX OF 2 1/2" FROM BOTTOM LINTEL.
5. WHERE LINTEL ABUTS COLUMN PROVIDE MINIMUM 6" OR 8" WIDE (TO MATCH MASONRY) 1:6x3:9x8 ANGLE SEAT FOR CONCRETE "U" BLOCK LINTEL SUPPORT.

BRICK/STONE VENEER LINTEL SCHEDULE

SPAN (OPENING)	LINTEL SIZE
0'-0" TO 4'-0"	1.3 x 3 x 3/8
4'-0" TO 5'-0"	1.4 x 4 x 3/8
5'-0" TO 6'-0"	1.6 x 4 x 3/8 (LTV)

METAL STUD DESIGNATIONS

MATERIAL THICKNESS (MILS)	CORRESPONDING GAUGE (FOR REFERENCE ONLY)
18	25
21	22
33	20
43	18
54	16
66	14
81	12

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