

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

AN INSPECTION, TESTING AND QUALITY CONTROL PROGRAM FOR THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE IMPLEMENTED AS OUTLINED ON THIS DRAWING. THE OWNER WILL ENGAGE AN APPROVED CONTRACTOR RESPONSIBLE TO COORDINATE SCHEDULES WITH THE TESTING/INSPECTION AGENCY. DEFINITIONS AND REQUIREMENTS SHALL BE IN ACCORDANCE WITH MAKE STATE BUILDING CODE FAILURE TO COMPLY WITH ANY SPECIAL AND REQUIREMENTS OF ANY APPLICABLE LEGISLATION NOT WITHHELD, TESTED, OR INSPECTED.

- DRAWING LIST**
- S-002-B CMU WALL TYPICAL DETAILS
 - S-102-B SECOND FLOOR FRAMING
 - S-104-B ROOF FRAMING
 - S-200-B BULKHEAD & DUNNAGE FRAMING
 - S-201-B NORTH AND SOUTH ELEVATIONS
 - S-201-B EAST AND WEST ELEVATIONS
 - S-201-B CANOPY DETAILS
 - S-200-B STRUCTURAL SCHEDULES & DETAILS

**TABLE 1704.2
 B) REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION**

VERIFICATION AND INSPECTION	PERIODIC	CONTINUOUS	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PROTECTION, TENSION, AND ANCHORAGE	X		ACI 318.3S, 7.1-7.7	901.4
2. INSPECTION OF CONCRETE PLACEMENT AND ACCORDANCE WITH LABEL TAGS, TESTS, AND CURING		X	ACI 318.3S, 7.1-7.7	901.4
3. INSPECTION OF CONCRETE PLACEMENT TO AND CURING OF CONCRETE WHERE AVAILABLE EVIDENCE HAS BEEN OBTAINED		X	ACI 318.3S, 7.1-7.7	901.4
4. VERIFICATION OF REQUIRED DESIGN MIX		X	ACI 318.3S, 7.1-7.7	901.4
5. AT THE TIME FRESH CONCRETE IS SAMPLED, TESTS FOR SPECIFIC GRAVITY, MOISTURE, AND AIR CONTENT SHALL BE PERFORMED. THE TEMPERATURE OF THE CONCRETE SHALL BE DETERMINED AT THE TIME OF TESTING		X	ASTM 177, ACI 318.3S, 7.1-7.7	901.4
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		X	ACI 318.3S, 7.1-7.7	901.4
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318.3S, 7.1-7.7	901.4
8. INSPECTION OF PRECAST CONCRETE ELEMENTS		X	ACI 318.3S, 7.1-7.7	901.4
9. INSPECTION OF PRECAST CONCRETE ELEMENTS		X	ACI 318.3S, 7.1-7.7	901.4
10. VERIFICATION OF FINISH CONCRETE STRENGTH PRIOR TO REMOVAL OF FORMWORK AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		X	ACI 318.3S, 7.1-7.7	901.4
11. INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND CURING OF CONCRETE MEMBER BEING FORMED		X	ACI 318.3S, 7.1-7.7	901.4

**TABLE 1704.3
 A) REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

VERIFICATION AND INSPECTION	PERIODIC	CONTINUOUS	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	X		ASTM A193, A325, A354, A490, A508, A509, A563, A590, A593, A598, A599, A640, A641, A642, A643, A644, A645, A646, A647, A648, A649, A650, A651, A652, A653, A654, A655, A656, A657, A658, A659, A660, A661, A662, A663, A664, A665, A666, A667, A668, A669, A670, A671, A672, A673, A674, A675, A676, A677, A678, A679, A680, A681, A682, A683, A684, A685, A686, A687, A688, A689, A690, A691, A692, A693, A694, A695, A696, A697, A698, A699, A700, A701, A702, A703, A704, A705, A706, A707, A708, A709, A710, A711, A712, A713, A714, A715, A716, A717, A718, A719, A720, A721, A722, A723, A724, A725, A726, A727, A728, A729, A730, A731, A732, A733, A734, A735, A736, A737, A738, A739, A740, A741, A742, A743, A744, A745, A746, A747, A748, A749, A750, A751, A752, A753, A754, A755, A756, A757, A758, A759, A760, A761, A762, A763, A764, A765, A766, A767, A768, A769, A770, A771, A772, A773, A774, A775, A776, A777, A778, A779, A780, A781, A782, A783, A784, A785, A786, A787, A788, A789, A790, A791, A792, A793, A794, A795, A796, A797, A798, A799, A800, A801, A802, A803, A804, A805, A806, A807, A808, A809, A810, A811, A812, A813, A814, A815, A816, A817, A818, A819, A820, A821, A822, A823, A824, A825, A826, A827, A828, A829, A830, A831, A832, A833, A834, A835, A836, A837, A838, A839, A840, A841, A842, A843, A844, A845, A846, A847, A848, A849, A850, A851, A852, A853, A854, A855, A856, A857, A858, A859, A860, A861, A862, A863, A864, A865, A866, A867, A868, A869, A870, A871, A872, A873, A874, A875, A876, A877, A878, A879, A880, A881, A882, A883, A884, A885, A886, A887, A888, A889, A890, A891, A892, A893, A894, A895, A896, A897, A898, A899, A900, A901, A902, A903, A904, A905, A906, A907, A908, A909, A910, A911, A912, A913, A914, A915, A916, A917, A918, A919, A920, A921, A922, A923, A924, A925, A926, A927, A928, A929, A930, A931, A932, A933, A934, A935, A936, A937, A938, A939, A940, A941, A942, A943, A944, A945, A946, A947, A948, A949, A950, A951, A952, A953, A954, A955, A956, A957, A958, A959, A960, A961, A962, A963, A964, A965, A966, A967, A968, A969, A970, A971, A972, A973, A974, A975, A976, A977, A978, A979, A980, A981, A982, A983, A984, A985, A986, A987, A988, A989, A990, A991, A992, A993, A994, A995, A996, A997, A998, A999, A1000	1704.3.1
2. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	X		ASTM A193, A325, A354, A490, A508, A509, A563, A590, A593, A598, A599, A640, A641, A642, A643, A644, A645, A646, A647, A648, A649, A650, A651, A652, A653, A654, A655, A656, A657, A658, A659, A660, A661, A662, A663, A664, A665, A666, A667, A668, A669, A670, A671, A672, A673, A674, A675, A676, A677, A678, A679, A680, A681, A682, A683, A684, A685, A686, A687, A688, A689, A690, A691, A692, A693, A694, A695, A696, A697, A698, A699, A700, A701, A702, A703, A704, A705, A706, A707, A708, A709, A710, A711, A712, A713, A714, A715, A716, A717, A718, A719, A720, A721, A722, A723, A724, A725, A726, A727, A728, A729, A730, A731, A732, A733, A734, A735, A736, A737, A738, A739, A740, A741, A742, A743, A744, A745, A746, A747, A748, A749, A750, A751, A752, A753, A754, A755, A756, A757, A758, A759, A760, A761, A762, A763, A764, A765, A766, A767, A768, A769, A770, A771, A772, A773, A774, A775, A776, A777, A778, A779, A780, A781, A782, A783, A784, A785, A786, A787, A788, A789, A790, A791, A792, A793, A794, A795, A796, A797, A798, A799, A800, A801, A802, A803, A804, A805, A806, A807, A808, A809, A810, A811, A812, A813, A814, A815, A816, A817, A818, A819, A820, A821, A822, A823, A824, A825, A826, A827, A828, A829, A830, A831, A832, A833, A834, A835, A836, A837, A838, A839, A840, A841, A842, A843, A844, A845, A846, A847, A848, A849, A850, A851, A852, A853, A854, A855, A856, A857, A858, A859, A860, A861, A862, A863, A864, A865, A866, A867, A868, A869, A870, A871, A872, A873, A874, A875, A876, A877, A878, A879, A880, A881, A882, A883, A884, A885, A886, A887, A888, A889, A890, A891, A892, A893, A894, A895, A896, A897, A898, A899, A900, A901, A902, A903, A904, A905, A906, A907, A908, A909, A910, A911, A912, A913, A914, A915, A916, A917, A918, A919, A920, A921, A922, A923, A924, A925, A926, A927, A928, A929, A930, A931, A932, A933, A934, A935, A936, A937, A938, A939, A940, A941, A942, A943, A944, A945, A946, A947, A948, A949, A950, A951, A952, A953, A954, A955, A956, A957, A958, A959, A960, A961, A962, A963, A964, A965, A966, A967, A968, A969, A970, A971, A972, A973, A974, A975, A976, A977, A978, A979, A980, A981, A982, A983, A984, A985, A986, A987, A988, A989, A990, A991, A992, A993, A994, A995, A996, A997, A998, A999, A1000	1704.3.1
3. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	X		ASTM A193, A325, A354, A490, A508, A509, A563, A590, A593, A598, A599, A640, A641, A642, A643, A644, A645, A646, A647, A648, A649, A650, A651, A652, A653, A654, A655, A656, A657, A658, A659, A660, A661, A662, A663, A664, A665, A666, A667, A668, A669, A670, A671, A672, A673, A674, A675, A676, A677, A678, A679, A680, A681, A682, A683, A684, A685, A686, A687, A688, A689, A690, A691, A692, A693, A694, A695, A696, A697, A698, A699, A700, A701, A702, A703, A704, A705, A706, A707, A708, A709, A710, A711, A712, A713, A714, A715, A716, A717, A718, A719, A720, A721, A722, A723, A724, A725, A726, A727, A728, A729, A730, A731, A732, A733, A734, A735, A736, A737, A738, A739, A740, A741, A742, A743, A744, A745, A746, A747, A748, A749, A750, A751, A752, A753, A754, A755, A756, A757, A758, A759, A760, A761, A762, A763, A764, A765, A766, A767, A768, A769, A770, A771, A772, A773, A774, A775, A776, A777, A778, A779, A780, A781, A782, A783, A784, A785, A786, A787, A788, A789, A790, A791, A792, A793, A794, A795, A796, A797, A798, A799, A800, A801, A802, A803, A804, A805, A806, A807, A808, A809, A810, A811, A812, A813, A814, A815, A816, A817, A818, A819, A820, A821, A822, A823, A824, A825, A826, A827, A828, A829, A830, A831, A832, A833, A834, A835, A836, A837, A838, A839, A840, A841, A842, A843, A844, A845, A846, A847, A848, A849, A850, A851, A852, A853, A854, A855, A856, A857, A858, A859, A860, A861, A862, A863, A864, A865, A866, A867, A868, A869, A870, A871, A872, A873, A874, A875, A876, A877, A878, A879, A880, A881, A882, A883, A884, A885, A886, A887, A888, A889, A890, A891, A892, A893, A894, A895, A896, A897, A898, A899, A900, A901, A902, A903, A904, A905, A906, A907, A908, A909, A910, A911, A912, A913, A914, A915, A916, A917, A918, A919, A920, A921, A922, A923, A924, A925, A926, A927, A928, A929, A930, A931, A932, A933, A934, A935, A936, A937, A938, A939, A940, A941, A942, A943, A944, A945, A946, A947, A948, A949, A950, A951, A952, A953, A954, A955, A956, A957, A958, A959, A960, A961, A962, A963, A964, A965, A966, A967, A968, A969, A970, A971, A972, A973, A974, A975, A976, A977, A978, A979, A980, A981, A982, A983, A984, A985, A986, A987, A988, A989, A990, A991, A992, A993, A994, A995, A996, A997, A998, A999, A1000	1704.3.1
4. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	X		ASTM A193, A325, A354, A490, A508, A509, A563, A590, A593, A598, A599, A640, A641, A642, A643, A644, A645, A646, A647, A648, A649, A650, A651, A652, A653, A654, A655, A656, A657, A658, A659, A660, A661, A662, A663, A664, A665, A666, A667, A668, A669, A670, A671, A672, A673, A674, A675, A676, A677, A678, A679, A680, A681, A682, A683, A684, A685, A686, A687, A688, A689, A690, A691, A692, A693, A694, A695, A696, A697, A698, A699, A700, A701, A702, A703, A704, A705, A706, A707, A708, A709, A710, A711, A712, A713, A714, A715, A716, A717, A718, A719, A720, A721, A722, A723, A724, A725, A726, A727, A728, A729, A730, A731, A732, A733, A734, A735, A736, A737, A738, A739, A740, A741, A742, A743, A744, A745, A746, A747, A748, A749, A750, A751, A752, A753, A754, A755, A756, A757, A758, A759, A760, A761, A762, A763, A764, A765, A766, A767, A768, A769, A770, A771, A772, A773, A774, A775, A776, A777, A778, A779, A780, A781, A782, A783, A784, A785, A786, A787, A788, A789, A790, A791, A792, A793, A794, A795, A796, A797, A798, A799, A800, A801, A802, A803, A804, A805, A806, A807, A808, A809, A810, A811, A812, A813, A814, A815, A816, A817, A818, A819, A820, A821, A822, A823, A824, A825, A826, A827, A828, A829, A830, A831, A832, A833, A834, A835, A836, A837, A838, A839, A840, A841, A842, A843, A844, A845, A846, A847, A848, A849, A850, A851, A852, A853, A854, A855, A856, A857, A858, A859, A860, A861, A862, A863, A864, A865, A866, A867, A868, A869, A870, A871, A872, A873, A874, A875, A876, A877, A878, A879, A880, A881, A882, A883, A884, A885, A886, A887, A888, A889, A890, A891, A892, A893, A894, A895, A896, A897, A898, A899, A900, A901, A902, A903, A904, A905, A906, A907, A908, A909, A910, A911, A912, A913, A914, A915, A916, A917, A918, A919, A920, A921, A922, A923, A924, A925, A926, A927, A928, A929, A930, A931, A932, A933, A934, A935, A936, A937, A938, A939, A940, A941, A942, A943, A944, A945, A946, A947, A948, A949, A950, A951, A952, A953, A954, A955, A956, A957, A958, A959, A960, A961, A962, A963, A964, A965, A966, A967, A968, A969, A970, A971, A972, A973, A974, A975, A976, A977, A978, A979, A980, A981, A982, A983, A984, A985, A986, A987, A988, A989, A990, A991, A992, A993, A994, A995, A996, A997, A998, A999, A1000	1704.3.1
5. INSPECTION OF WELDS	X		AWSD D11	1704.3.1
6. INSPECTION OF WELDS	X		AWSD D11	1704.3.1
7. INSPECTION OF WELDS	X		AWSD D11	1704.3.1
8. INSPECTION OF WELDS	X		AWSD D11	1704.3.1
9. INSPECTION OF WELDS	X		AWSD D11	1704.3.1
10. INSPECTION OF WELDS	X		AWSD D11	1704.3.1
11. INSPECTION OF WELDS	X		AWSD D11	1704.3.1

**TABLE 1704.3
 A) REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION**

INSPECTION TASK	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
	CONTINUOUS DURING CONSTRUCTION	PERIODICALLY DURING CONSTRUCTION	IBC SECTION	ACI 530.1V, ACI 530.1, ACI 530.2, ACI 530.3, ACI 530.4, ACI 530.5, ACI 530.6, ACI 530.7, ACI 530.8, ACI 530.9, ACI 530.10, ACI 530.11, ACI 530.12, ACI 530.13, ACI 530.14, ACI 530.15, ACI 530.16, ACI 530.17, ACI 530.18, ACI 530.19, ACI 530.20, ACI 530.21, ACI 530.22, ACI 530.23, ACI 530.24, ACI 530.25, ACI 530.26, ACI 530.27, ACI 530.28, ACI 530.29, ACI 530.30, ACI 530.31, ACI 530.32, ACI 530.33, ACI 530.34, ACI 530.35, ACI 530.36, ACI 530.37, ACI 530.38, ACI 530.39, ACI 530.40, ACI 530.41, ACI 530.42, ACI 530.43, ACI 530.44, ACI 530.45, ACI 530.46, ACI 530.47, ACI 530.48, ACI 530.49, ACI 530.50, ACI 530.51, ACI 530.52, ACI 530.53, ACI 530.54, ACI 530.55, ACI 530.56, ACI 530.57, ACI 530.58, ACI 530.59, ACI 530.60, ACI 530.61, ACI 530.62, ACI 530.63, ACI 530.64, ACI 530.65, ACI 530.66, ACI 530.67, ACI 530.68, ACI 530.69, ACI 530.70, ACI 530.71, ACI 530.72, ACI 530.73, ACI 530.74, ACI 530.75, ACI 530.76, ACI 530.77, ACI 530.78, ACI 530.79, ACI 530.80, ACI 530.81, ACI 530.82, ACI 530.83, ACI 530.84, ACI 530.85, ACI 530.86, ACI 530.87, ACI 530.88, ACI 530.89, ACI 530.90, ACI 530.91, ACI 530.92, ACI 530.93, ACI 530.94, ACI 530.95, ACI 530.96, ACI 530.97, ACI 530.98, ACI 530.99, ACI 530.100
1. From the beginning of masonry construction, verify that the masonry is constructed in accordance with the approved masonry construction documents.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
2. Proportions of the masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
3. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
4. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
5. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
6. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
7. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
8. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
9. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
10. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
11. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
12. Placement of masonry units and mortar shall be verified to ensure compliance.		X	Sec. 2103.2.1, 2104.4	Art. 1.4
13. Placement of masonry units and mortar shall be verified to ensure compliance.				