

GENERAL NOTES:

GENERAL

- THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- ALL REFERENCES TO STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS, UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS.
- DESIGN BASIS: 2012 INTERNATIONAL BUILDING CODE (IBC)
 - GENERAL
 - RISK CATEGORY = II
 - WIND:
 - ULTIMATE DESIGN WIND SPEED = 120 MPH
 - WIND EXPOSURE CATEGORY = B
 - INTERNAL PRESSURE COEFFICIENT = 0.18 ± (ENCLOSED BUILDING)
 - SEISMIC:
 - SEISMIC IMPORTANCE FACTOR $I_e = 1.0$
 - MAPPED SPECTRAL RESPONSE ACCEL. (SHORT PERIODS) $S_s = 0.26$
 - MAPPED SPECTRAL RESPONSE ACCEL. (1 SECOND PERIOD) $S_1 = 0.10$
 - SITE CLASS = D
 - SPECTRAL RESPONSE COEFFICIENT (SHORT PERIODS) $SDS = 0.28$
 - SPECTRAL RESPONSE COEFFICIENT (1 SECOND PERIOD) $SD1 = 0.17$
 - SEISMIC DESIGN CATEGORY = C
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

RETROFIT FRAMES
 BASIC SEISMIC FORCE RESISTING SYSTEM - ORDINARY BRACED STEEL FRAME
 RESPONSE MODIFICATION FACTOR $R = 3.25$
 SEISMIC RESPONSE COEFFICIENT $C_s = 0.08$
 DESIGN BASE SHEAR = 100K

LIVE LOADS:
 ROOF: 20 psf
 FIRST FLOOR: 150 psf
 ELEVATED FLOORS: 40 psf

SNOW LOAD
 GROUND: 5 psf

ABBREVIATIONS

T	TOP (BAR)	FIN	FINISH	REINF	REINFORCE
B	BOTTOM (BAR)	FLR	FLOOR	TRS	TRUSS
INT	INTERIOR	CLR	FLOOR	STL	STEEL
EXT	EXTERIOR	TP	TOP OF *	WD	WOOD
EL	ELEVATION	BT	BOTTOM OF *	CON	CONCRETE
O.C.	ON CENTER	W/	WITH *	M	MASONRY
O.W.	EACH WAY	GA	GAGE/GAUGE	L.G.	LIGHT GAGE
O.F.	EACH FACE	EQ	EQUAL	APPX	APPROXIMATE
N.S.	NEAR SIDE	FTG	FOOTING	SPCS	SPACE/SPACE SPEC
F.S.	FAR SIDE	TYP	TYPICAL	U.N.O.	UNLESS NOTED OTHERWISE

UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE LOCATION ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR. THE REQUIREMENTS SHALL BE ADAPTED TO CONDITIONS AT SIMILAR LOCATIONS.

COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS OR INDICATED IN SPECIFICATIONS WITH STRUCTURAL WORK.

SHOP DRAWINGS FOR PART OF THE STRUCTURAL WORK SHALL SHOW THE INTERFACE WITH OTHER RELATED TRADES. CONTRACTOR SHALL VERIFY DIMENSIONS, LOCATIONS, MATERIALS, ETC. OF RELATED TRADES BY CERTIFIED MANUFACTURER'S DRAWINGS AND SO INDICATE BEFORE SUBMITTING SHOP DRAWINGS FOR ARCHITECT/ENGINEER'S APPROVAL.

DESIGN OF THE STRUCTURE SHOWN IS BASED ON INTERACTION OF VARIOUS CONNECTED MEMBERS AND THE DESIGN LOADS NOTED ABOVE. THE STRENGTH AND STABILITY OF CONNECTIONS UNDERWAY MAY REQUIRE SUPPLEMENTAL TEMPORARY SUPPORTS, BRACING OR OTHER MEASURES. THE CONTRACTOR SHALL DETERMINE THE NEED OF SUCH TEMPORARY SUPPORT DURING CONSTRUCTION AND PROVIDE ALL SUCH MEASURES.

STRUCTURAL STEEL

- INSTALLATION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - STRUCTURAL (W, S, T, I OR H) BEAMS AND COLUMNS - ASTM A-572 GRADE 50 OR ASTM A992
 - STRUCTURAL (C OR MC) CHANNELS AND ANGLES - ASTM A-36
 - MISCELLANEOUS PLATES, BARS AND ANGLES - ASTM A-36
 - ANCHOR BOLTS AND RODS - ASTM A-36 OR ASTM F1554, GRADE 36
 - COLD-FORMED HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A500, GRADE B STRUCTURAL TUBING
 - STRUCTURAL PIPE - ASTM A53, TYPE E OR S, GRADE B, STANDARD (STD) WEIGHT, UNLESS NOTED OTHERWISE ON DRAWINGS.
- UNLESS NOTED OTHERWISE STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
 - HIGH STRENGTH BOLTS - 3/4" DIAMETER ASTM A-325-N TYPE 1, HEAVY-HEX.
 - NUTS - HEAVY-HEX ASTM A563, GRADE C.
 - WASHERS - ASTM F436 TYPE 1, HARDENED (RCSC SPEC TABLE 6.1 AND PART 14 FOR ANCHOR RODS).
 - BOLT, NUT AND WASHER FINISH SHALL MATCH THE FINISH OF THE STEEL IT CONNECTS.
- UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE SHOP PRIMED.
- MINIMUM SIZE WELD SHALL BE 1/4" FILLET WITH E70XX ELECTRODES. ALL WELDS SHALL CONFORM TO REQUIREMENTS OF AWS D1.1.
- MINIMUM MATERIAL THICKNESS SHALL NOT BE LESS THAN 3/8" FOR MISCELLANEOUS PLATES.
- INSTALL COLUMNS PLUMB BY USING STEEL WEDGES AT EDGES OF BASE PLATE TO PROVIDE FIRM BEARING. GROUT FOR SETTING PLATES SHALL BE NON-SHRINK, NON-METALLIC. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD, ALL WEDGES AND SHIMS SHALL BE REMOVED AND RESULTING VOIDS FILLED WITH GROUT.
- ALIGN AND ADJUST VARIOUS MEMBERS THAT FORM PART OF A STEEL STRUCTURE BEFORE PERMANENTLY FASTENING. MAINTAIN ERECTION TOLERANCES OF STRUCTURAL STEEL WITHIN AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."
- DO NOT USE THERMAL CUTTING DURING ERECTION OR ENLARGE HOLES BY BURNING.
- CLEAN AND REPAIR FINISHES DAMAGED DURING ERECTION.
 - SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL, ACCESSORIES, AND PRODUCT DATA, ETC.
 - ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

STRUCTURAL TESTS & SPECIAL INSPECTIONS (IBC 2012)

1704 SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

1704.3 STATEMENT OF SPECIAL INSPECTIONS

THE PROVISIONS AS OUTLINED ON THESE DESIGN DOCUMENTS DEFINE THE STRUCTURAL SPECIAL INSPECTIONS APPLICABLE TO THE PROJECT. THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY THE LOCAL JURISDICTION FOR PERMIT APPLICATIONS IS TO BE PREPARED USING THE INFORMATION PRESENTED HERE.

1704.3.1 REPORT REQUIREMENTS

SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE OF APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND THE CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

1704.4 CONTRACTOR RESPONSIBILITY

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MEMBER OR A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED WIND AND/OR SEISMIC SYSTEM, OR COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN AN ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.

1704.5 INSPECTION OF FABRICATORS

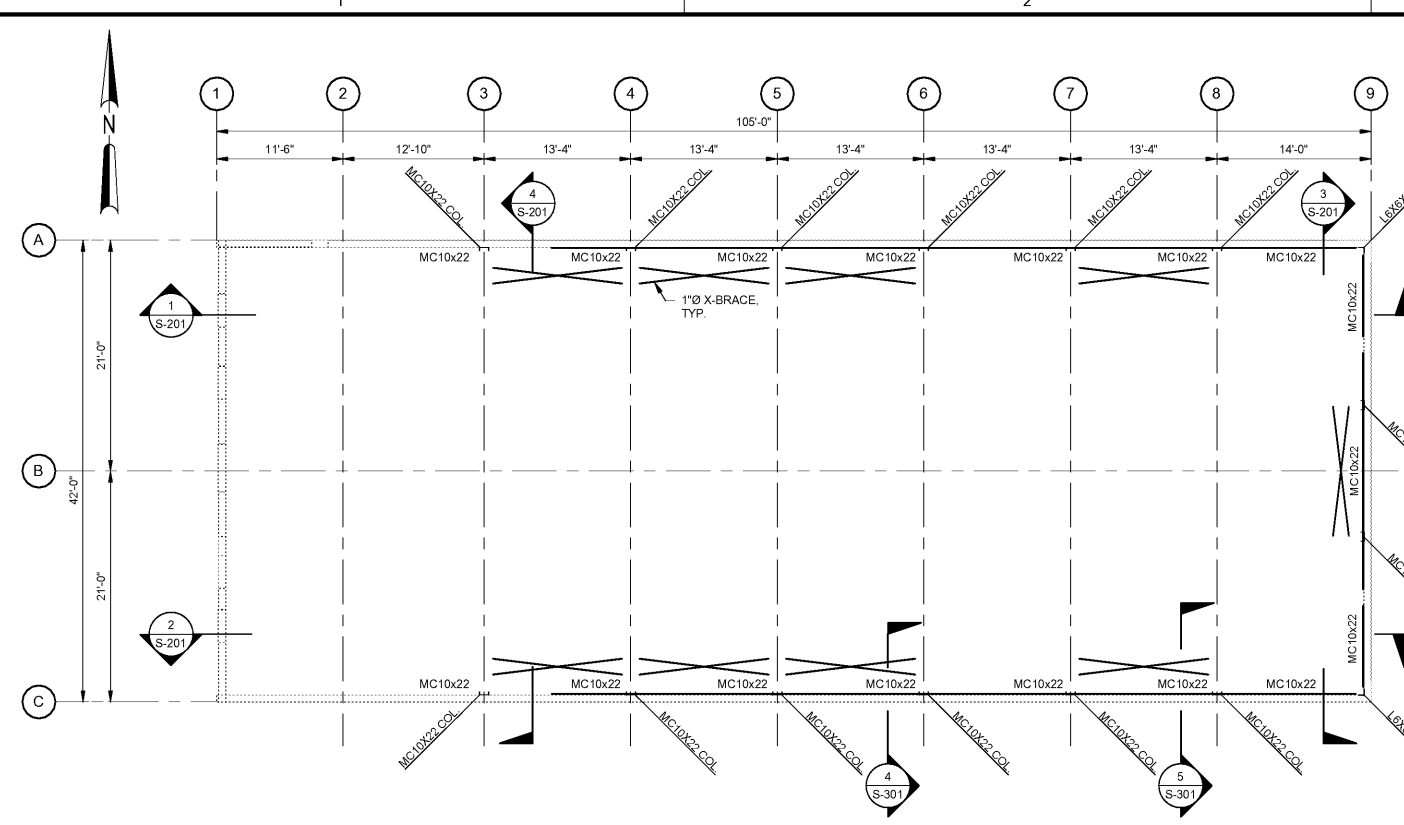
MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY FABRICATOR QUALITY CONTROL PROCEDURES	IN PLANT REVIEW	PERIODIC

1705.1 SPECIAL CASES

MATERIAL/ACTIVITY	SERVICE	EXTENT
WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS	SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION	

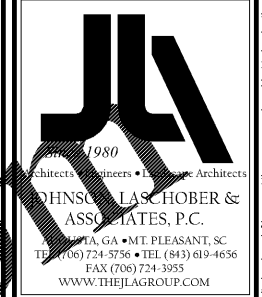
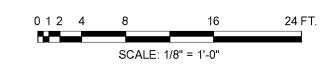
1705.2 STEEL CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	EXTENT
FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	EACH SUBMITTAL
MATERIAL VERIFICATION OF STRUCTURAL STEEL EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS)	SHOP AND FIELD INSPECTION	PERIODIC
VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	PERIODIC
STRUCTURAL STEEL WELDING:		
A. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1)	SHOP AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED
B. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP AND FIELD INSPECTION	OBSERVE
C. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	SHOP AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED
D. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS		
1) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV	SHOP OR FIELD ULTRASONIC TESTING - 100%	PERIODIC
2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP OR FIELD ULTRASONIC TESTING - 10% OF WELDS MINIMUM	PERIODIC
3) THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL $t > 2"$	SHOP OR FIELD MAGNETIC PARTIAL OR PENETRANT TESTING	PERIODIC
4) WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1	SHOP OR FIELD RADIOGRAPHIC OR ULTRASONIC TESTING	PERIODIC
5) FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT	VERIFY REPORTS	EACH SUBMITTAL
STRUCTURAL STEEL BOLTING:	SHOP AND FIELD INSPECTION	
A. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)		OBSERVE OR PERFORM AS NOTED
B. INSPECTION TASKS DURING BOLTING (OBSERVE, THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)		OBSERVE
1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS		
a) TURN-OF-NUT WITH MATCHING MARKINGS		PERIODIC
b) DIRECT TENSION INDICATOR		PERIODIC
c) TWIST-OFF TYPE TENSION CONTROL BOLT		PERIODIC
d) TURN-OF-NUT WITHOUT MATCHING MARKINGS		CONTINUOUS
e) CALIBRATED WRENCH		CONTINUOUS
2) SNUG-TIGHT JOINTS		PERIODIC
C. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3)		PERFORM
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N6.1	SHOP AND FIELD INSPECTION AND TESTING	OBSERVE OR PERFORM AS NOTED

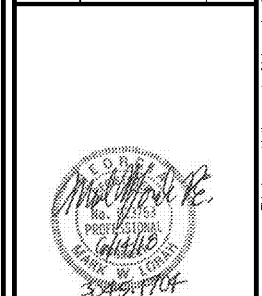


FRAMING PLAN
 SCALE: 1/8" = 1'-0"

Order Plans @ WJL



COLUMBIA COUNTY
 CONSTRUCTION AND FACILITIES MANAGEMENT
**HARLEM THEATRE
 RENOVATIONS PROJECT**
 PROJECT LOCATION:
 THEATRE COLUMBIA - 135 N. LOUISVILLE ST., HARLEM, GA 30814



REV	DATE	BY	DESCRIPTION
1	08/14/18	MWL	RE-ISSUE FOR CONSTRUCTION
0	05/09/18	MWL	ISSUED FOR CONSTRUCTION

PROJECT NO: 3045.1704
 DRAWN BY: CB
 CHECKED BY: MWL
 DATE: 01/30/18
 SHEET TITLE:
**GENERAL NOTES,
 SPECIAL
 INSPECTIONS AND
 FRAMING PLAN**
 SCALE: AS NOTED
 DRAWING NO: **S-101** REV: **1**

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