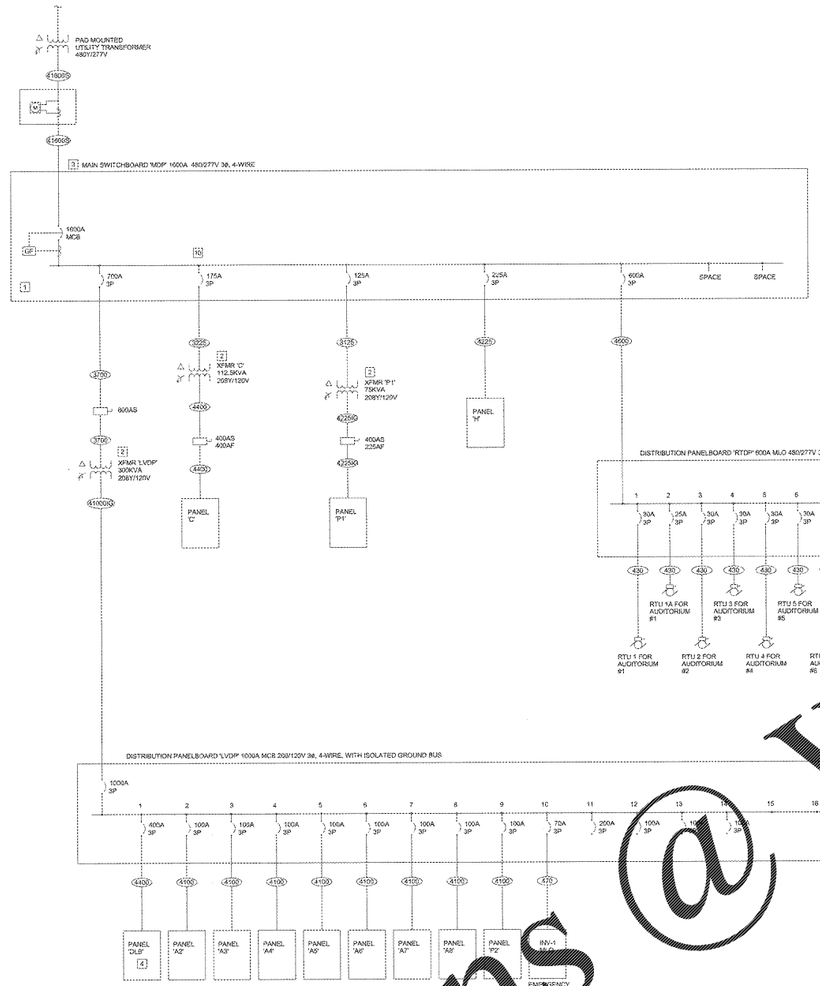

Standard CU. Feeder Schedule TYPE THHW-2 / THWN-2 Insulation		EMT				EMT	
Number	Wire	Conduit (English)	Conduit (Metric)	Number	Wire	Conduit (English)	Conduit (Metric)
320	3-#12, 1-#12 Gnd	3/4" C	21	430	4-#12, 1-#12 Gnd	3/4" C	21
330	3-#10, 1-#10 Gnd	3/4" C	21	435	4-#10, 1-#10 Gnd	3/4" C	21
340	3-#8, 1-#10 Gnd	3/4" C	21	440	4-#8, 1-#10 Gnd	1" C	27
350	3-#6, 1-#10 Gnd	1" C	27	450	4-#6, 1-#10 Gnd	1" C	27
360	3-#4, 1-#10 Gnd	1" C	27	460	4-#4, 1-#10 Gnd	1" C	27
370	3-#3, 1-#8 Gnd	1" C	27	470	4-#3, 1-#8 Gnd	1" C	27
380	3-#4, 1-#8 Gnd	1 1/4" C	35	480	4-#4, 1-#8 Gnd	1 1/4" C	35
390	3-#4, 1-#6 Gnd	1 1/4" C	35	4100	4-#1, 1-#6 Gnd	1 1/4" C	35
3100	3-#1, 1-#6 Gnd	1 1/4" C	35	4100QS	4-#1, 2-#6 Gnd	1 1/4" C	35
3110	3-#2, 1-#6 Gnd	1 1/2" C	41	4125	4-#1, 1-#6 Gnd	2" C	53
3125	3-#1, 1-#6 Gnd	1 1/2" C	41	4200	4-#3/0, 1-#6 Gnd	2" C	53
3150	3-#1/0, 1-#6 Gnd	1 1/2" C	41	4225	4-#4/0, 1-#4 Gnd	2 1/2" C	63
3175	3-#2/0, 1-#6 Gnd	2" C	53	4225QS	4-#4/0, 2-#4 Gnd	2 1/2" C	63
3200	3-#3/0, 1-#6 Gnd	2" C	53	4250	4-250 kcmil, 1-#4 Gnd	2 1/2" C	63
3225	3-#4/0, 1-#4 Gnd	2 1/2" C	63	4400	4-500 kcmil, 1-#3 Gnd	3 1/2" C	91
3250	3-250 kcmil, 1-#4 Gnd	2 1/2" C	63	4400QS	4-500 kcmil, 2-#3 Gnd	3 1/2" C	91
3300	3-350 kcmil, 1-#4 Gnd	3" C	78	4600	2 sets of 4-300 kcmil, 1-#1 Gnd	2 1/2" C	63
3350	3-400 kcmil, 1-#3 Gnd	3" C	78	4600QS	2 sets of 4-300 kcmil, 2-#1 Gnd	3" C	78
3500	2 sets of 3-#4/0, 1-#2 Gnd	2 1/2" C	63	4100QS	3 sets of 4-500 kcmil, 2-#2/0 Gnd	4" C	103
3700	2 sets of 3-#600, 1-#1/0 Gnd	3" C	78	41650	5 sets of 4-500 kcmil, 1-#3/0 Gnd	4" C	103
				4160QS	5 sets of 4-500 kcmil	4" C	103

NOTE: Conduit sizes may need to be adjusted for PVC conduit.

ELECTRICAL ONE-LINE NOTES

1. MAIN SERVICE EQUIPMENT SHALL BE GROUNDED TO THE WATER AND FIRE PROTECTION SERVICE ENTRANCE PIPING, BUILDING STEEL, AND FOOTING REINFORCING STEEL PER NEC ARTICLE 250.
2. THE TRANSFORMER SECONDARY SHALL BE GROUNDED TO BUILDING STEEL PER NEC ARTICLE 250.
3. THE MAIN SERVICE SWITCHBOARD SHALL CONTAIN A MAIN CIRCUIT BREAKER WITH ENERGY REDUCING MAINTENANCE SWITCH.
4. REFERENCE THE PLF SHEETS FOR THE SCHEDULE FOR THIS SWITCHBOARD.

ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

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THIS DRAWING IS A GRAPHIC REPRESENTATION OF CONSTRUCTION CONTRACT DOCUMENTS. REFER TO GENERAL AND SPECIFICATION SECTIONS INCLUDING, BUT NOT LIMITED TO, ALL "GENERAL CONDITIONS" "SUBMITTAL" "SHOP DRAWINGS" AND OTHER SECTIONS THAT DESCRIBE THE CONTRACTOR'S RESPONSIBILITIES FOR THE COMPLETE SYSTEMS OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND FOR THE ACTIONS OF ALL HIS SUBCONTRACTORS AND ENGINEERS. ALL DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND IS NOT TO BE USED AS A BASIS FOR BIDDING. ALL DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND IS NOT TO BE USED AS A BASIS FOR BIDDING. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT AND THE SAME MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR WRITTEN MATERIAL CONSTITUTES PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE033489 M.T.L. SCOTT

SIGNATURE: DATE:

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SHEET LEGEND

G000s	GENERAL INFORMATION & SCOPE OF WORK
A100s	SITE PLANS & LANDSCAPE PLANS
A200s	FLOOR PLANS & CEILING PLANS
A300s	EXTERIOR & INTERIOR ELEVATIONS
A400s	BUILDING SECTIONS
A500s	ENLARGED PLANS
A600s	EXTERIOR & INTERIOR DETAILS
A900s	DOOR SCHEDULE, SCOPE DETAILS, FINISH SCHEDULES, FRAME PLANS
G100s	ACOUSTICAL SIGHT LINE SECTIONS
G101s	AUDITORIUM SEATING PLAN
S's	STRUCTURAL
M's	MECHANICAL
P's	PLUMBING
E's	ELECTRICAL
WF's	WAYFINDING DETAILS
FS's	CASEWORK & EQUIPMENT

MADISON YARDS 8

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ATLANTA, GA 30316

American Multi-Cinema, Inc.
One AMC Way
11500 Ash Street
Leawood, KS 66211

No.	Date	Description

Project Issue Date:

KEY PLAN:

SHEET TITLE:
ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER:
E601