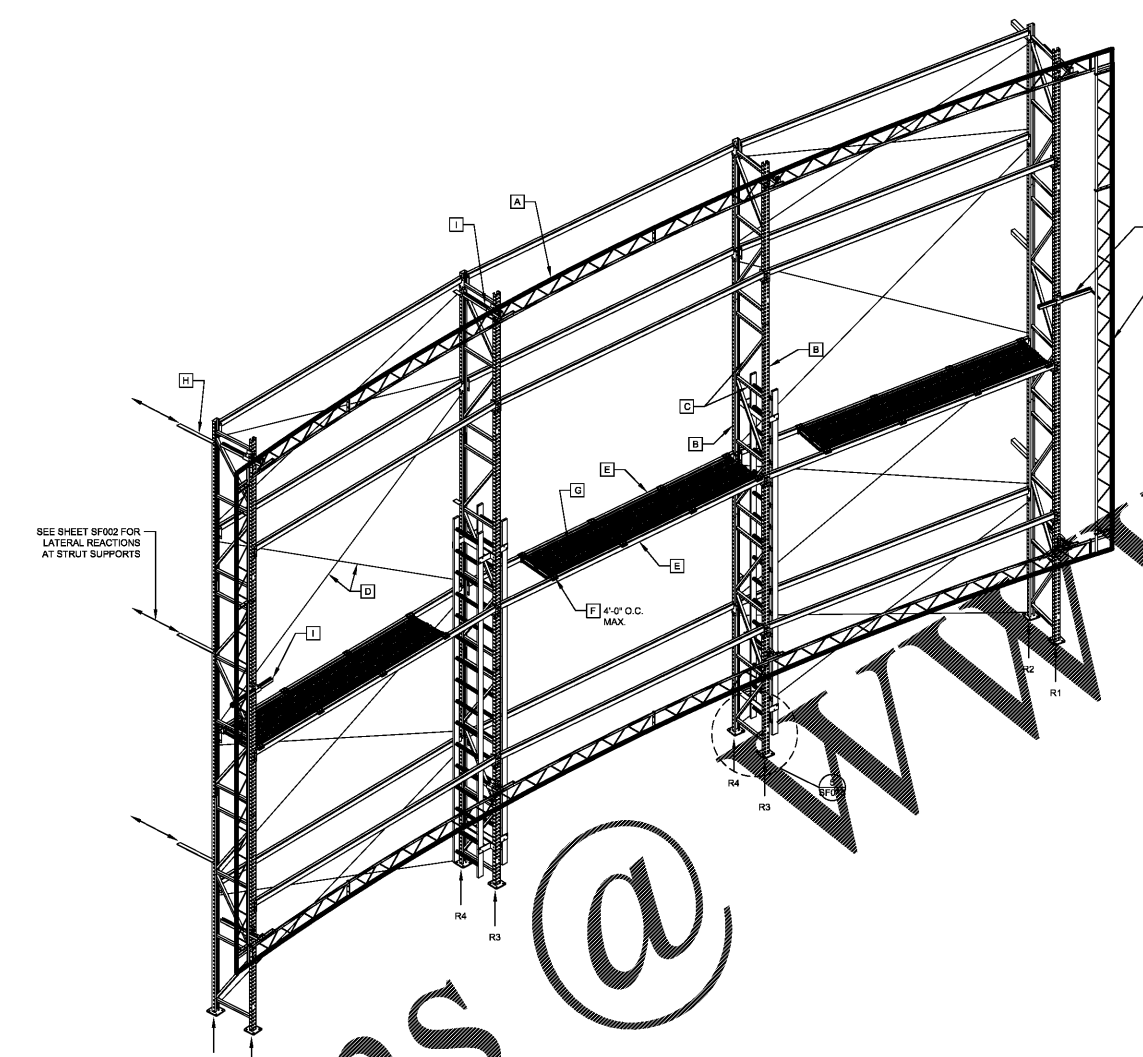




PROJECT: AMC MADISON YARDS
 ATLANTA, GA
 AUDITORIUM #2 & 3



MEMBER LIST:

- "WRAP-AROUND" SCREEN FRAME BY MDI
- COLUMN C-SHAPE 3" x 1.625" x 1/8" THK (0.070") A575 GRADE 50
- TRUSS MEMBER 2" x 1.0" x 1/8" THK (0.060") A575 GRADE 50
- ROUND TUBE HSS 2.0" x 1.0" x 11 GAGE (0.225") A513 GRADE 50 TYPE 2 (F_y = 20 KSI MIN)
- SPACE PLAT BAR 1.0" x 1/8" THK (0.060") ASTM A36 (F_y = 36 KSI)
- MAIN BEAM RECTANGULAR TUBE BEAM 3.0" x 1.563" x 14 GAGE (0.225") A513 GRADE 50
- SECONDARY BEAM RECTANGULAR TUBE HSS 2.0" x 1.0" x 11 GAGE (0.225") A513 GRADE 50 TYPE 2 F_y = 20 KSI MIN
- OPEN STEEL JOISTS CSP 8" x 2" x 18 GAGE (AT SPEAKER PLATFORM AND CATWALK LEVELS ONLY)
- DIAGONAL BRACE L2 x 2 x 1/8 GAGE A36 5'-0" MAX LENGTH
- CONNECTION BRACKET P1000 w/ CONNECTION BRACKETS 12 GAGE A1011 SS GRADE 55

- GENERAL STRUCTURAL NOTES FOR SCREEN STRUCTURE:**
- THE INTENT OF THESE STRUCTURAL DRAWINGS IS TO SHOW THE PRIMARY STRUCTURAL COMPONENTS AND MEMBERS OF THE SCREEN SUPPORT STRUCTURE. NON-STRUCTURAL COMPONENTS SUCH AS LADDERS, SAFETY DEVICES, SCREEN MATERIALS, ETC. ARE BY OTHERS.
 - REVIEW OF THE BUILDING STRUCTURE FOR REACTION LOADS SPECIFIED SHALL BE PERFORMED BY OTHERS. REINFORCING OF THE BUILDING STRUCTURE MAY BE REQUIRED AND SHALL BE DETERMINED BY OTHERS.
 - INSTALLER SHALL REFER TO STRONG / MDI SCREEN SYSTEM DRAWINGS AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION, PARTS LIST, AND ERECTION DETAILS.
 - BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE w/ GEORGIA AMENDMENTS
 - DESIGN LOADS:
 - A. DEAD LOADS OF SCREEN SYSTEM:
 - 1 SCREEN FRAME STRUCTURE WEIGHT: 2,566 LBS.
 - 2 SCREEN FABRIC WEIGHT: 119 LBS.
 - 3 WRAP-AROUND FRAME WEIGHT: 369 LBS.
 - 4 SPEAKERS (3) WEIGHT: 771 LBS.
 - 5 TOTAL WEIGHT: 3,845 LBS.
 - B. CATWALKS FOR MAINTENANCE ACCESS: 40 PSF
 - C. SEISMIC CRITERIA:
 - 1 OCCUPANCY CATEGORY: III
 - 2 SITE SOIL CLASS: D
 - 3 SHORT PERIOD RESPONSE, S_s: 0.193g
 - 4 1-SECOND PERIOD RESPONSE, S₁: 0.091g
 - 5 DESIGN RESPONSE, S_{D5}: 0.230g
 - 6 DESIGN RESPONSE, S_{D1}: 0.140g
 - 7 SEISMIC DESIGN CATEGORY: C
 - 8 I-FACTOR (SIGNS & BILLBOARDS): 3.0
 - 9 I-FACTOR (PERP TO SCREEN): 1.00
 - 10 I-FACTOR (PARALLEL TO SCREEN): 1.25
 - SPECIAL INSPECTIONS OF THE FOLLOWING ITEMS SHALL BE PERFORMED ON A PERIODIC BASIS IN ACCORDANCE WITH CHAPTER 17 OF THE 2012 INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS.
 - A. POST-INSTALLED ANCHORS IN CONCRETE
 - B. STEEL MATERIAL VERIFICATION
 - C. STEEL BOLTING IN FIELD
 - D. STEEL FRAMING IN SITU

COLUMN REACTION TABLE (KIPS)

LOCATION	DEAD LOAD ONLY	DEAD PLUS LIVE LOAD	SEISMIC UPLIFT	SEISMIC LATERAL
R1	0.45	0.72	N/A	±0.02
R2	0.41	0.63	N/A	±0.10
R3	0.52	0.93	N/A	±0.01
R4	0.52	0.96	N/A	±0.10

- NOTES:**
- DEAD PLUS LIVE LOAD REACTIONS INCLUDE 40 PSF LIVE LOAD ON ALL CATWALK LEVELS CONCURRENTLY.
 - UP AND LATERAL REACTIONS ARE ALSO SEISMIC LOADS WITH A LOAD FACTOR = 0.7E.

SHEET INDEX

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SF013	TYPICAL DETAILS
SF014	SCREEN SPEAKER MOUNTING DETAILS

REV	DATE	DESCRIPTION

DRAWING TITLE:

**SCREEN STRUCTURE
 ISOMETRIC VIEW
 FRONT SIDE**

DATE: 05/10/2018

SCALE: NO SCALE
(THIS ORIGINAL SIZE OF THIS DRAWING IS 36" x 48")

DRAWN BY: BWP

APPROVED BY: TDA

JOB NO: SECTION:

DRAWING NUMBER: **SF001**

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