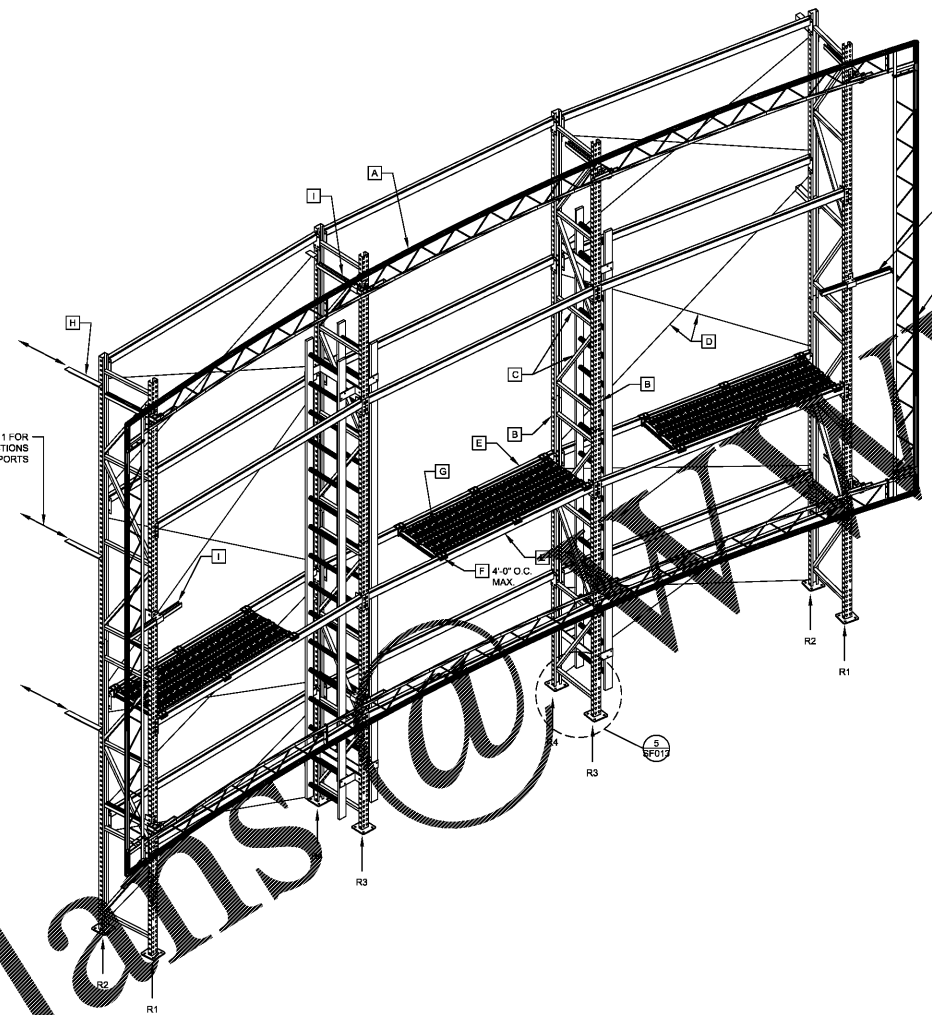




**STRONG / MDI**  
Screen Systems  
1440, RAOUL-CHARRETTE  
JOLIETTE, QC, CANADA  
J6E  
Tel.: 1-877-755-3111  
Fax: 514-755-3111  
strong@mdi.com

PROJECT: AMC MADISON YARDS  
ATLANTA, GA  
AUDITORIUM #6 & 7



**MEMBER LIST:**

- A "WRAP-AROUND" SCREEN FRAME BY MDI
- B COLUMN C-SHAPE 3" x 1 1/4" 14 GAGE (0.075) A572 GRADE 50
- C WUBSSE C-SHAPE 1.5" x 1 1/4" 16 GAGE (0.063) A572 GRADE 50
- D ROUND TUBE 2.00" x 20 (0.035) A513 GRADE 1010 TYPE 2  
OR  
X-BRACE FLAT BAR 2.00" x 0.25" A572 GRADE 50 (36 KSI)
- E MAIN BEAM RECTANGULAR BOX BEAM 3.0 x 1.583" x 14 GAGE  
(0.570) A570 GRAD
- F SECONDARY BEAM RECTANGULAR TUBE HSS 2.0" x 1.0" x 11 GAGE  
(0.405) A570 TYPE 2 PY = 29 KSI MIN
- G SPEAKER PLANKS CSP 8" x 2" x 18 GAGE (AT SPEAKER PLATFORM  
AND CATWALK LEVELS ONLY)
- H LATERAL STRUT L2 x 2 x 1/8 GRADE A36 9'-0" MAX LENGTH
- I UNISTRUT P1000 w/ CONNECTION BRACKETS 12 GAGE A1011 SS  
GRADE 33

**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: 1,889 LBS.
    - 2. SCREEN FABRIC WEIGHT: 58 LBS.
    - 3. WRAP-AROUND FRAME WEIGHT: 261 LBS.
    - 4. SPEAKERS (3) WEIGHT: 771 LBS.
    - 5. TOTAL WEIGHT: 2,979 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<sub>s</sub>: 0.193g
  - 4. 1-SECOND PERIOD RESPONSE, S<sub>1</sub>: 0.091g
  - 5. DESIGN RESPONSE, S<sub>D5</sub>: 0.239g
  - 6. DESIGN RESPONSE, S<sub>D1</sub>: 0.149g
  - 7. SEISMIC DESIGN CATEGORY: C
  - 8. R-FACTOR (SIGNS & BILLBOARDS): 3.0
  - 9. I-FACTOR (PERP TO SCREEN): 1.00
  - 10. I-FACTOR (PARALLEL TO SCREEN): 1.25
- D. 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	±0.01
R2	0.41	0.63	N/A	±0.01
R3	0.52	0.93	N/A	±0.01
R4	0.52	0.96	N/A	±0.01

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

**SCREEN STRUCTURE  
ISOMETRIC VIEW  
FRONT SIDE**

DATE: 05/10/2018  
SCALE: NO SCALE  
(THE ORIGINAL SIZE OF THIS DRAWING IS 36"x48")  
DRAWN BY: BWP  
APPROVED BY: TDA  
JOB NO.:  
SECTION:  
DRAWING NUMBER: SF010

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