# ADDENDUM NO. I

| | |
|---|---|
| DATE: | June 29, 2017 |
| TO: | All Proposers |
| FROM: | Janice McClelland, Assistant Purchasing Agent |
| SUBJECT: | Addendum No. 1 – Hockey Netting System |
| BIDS TO BE OPENED: | July 13, 2017, at 11:00:00 a.m. |

This addendum becomes a part of the Contract Documents and modifies the original specifications as noted.

## Item I. Information Shared at the Pre-Proposal Conference Held June 27, 2017

**Submission Information**
Proposals must include the weight per pulley, as well as the total weight of the netting.

**Design Preferences**
If a winch motor is to be located on the north side of the arena, the City prefers that it be located in the crow's nest.

If a winch motor is to be located on the south side of the arena, the City prefers that it be located in the corner adjacent to Section FF.

**Design Requirements**
The City must be able to break down the netting system frame into sections of no more than 10 feet in length.

The design must work in conjunction with flags and theatrical banners, which hang roughly 50' from the ice floor.

**General Information**
The City shall be responsible for changing out the dasher mullion I-bolts where the netting clips on.

Design may incorporate the City's upstage batten.

## Item II. Arena Drawings

Four sets of drawings immediately follow this Addendum:

1. A structural evaluation of the roof framing over the Coliseum area was performed in 2011. The resulting 11-page report made recommendations as to rigging load tolerances. Note that the report is provided to potential proposers as a point of departure only and is not intended to obviate the need for a thorough evaluation of the present condition of the Coliseum roof framing by the awarded Contractor.

2. Drawings of east/west length of roof arches; roof framing; and beam, column, and joist schedules.

3. A dasher layout for the project site.

4. Laser measurements of the arena from floor to ceiling, measured from east to west.

**END OF ADDENDUM NO. I**

Carpenter Wright Engineers
Structural Consultants

November 30, 2011

Mr. Dale Dunn
City of Knoxville
Knoxville Auditorium-Coliseum
PO Box 2603
Knoxville, TN 37901

Re: **Roof Framing Evaluation for Rigging Loads**
**Knoxville Coliseum Roof Framing Evaluation and Scoreboard Relocation**
**Knoxville, Tennessee**
**CWE Project No. 2009145.00**

Dear Mr. Dunn,

The purpose of this letter is to convey and summarize the results of our structural evaluation of the roof framing over the coliseum area and to provide you with updated recommendations for the safe application of rigging loads for future events.

CWE conducted an initial walk-thru observation of the coliseum on Monday, June 6, 2011 with a follow-up framing observation on Friday, June 10, 2011 from the boom lift supplied and operated by Doug Simmons, Facility Operations Manager.

During our initial walk-thru, it was noted that the cantilever concrete frames which support the steel arch section of the roof had visible cracking as seen in photos 1 and 2. The exact extent of the cracking was partially masked by the painting conducted a few years ago. These cracks appear to have been present for a relatively long period of time. Coliseum personnel were not aware of their existence, and painting contractors had not brought it to their attention. These cracks appear to be fairly tight with no evidence of recent significant movement. However, given their critical location within primary framing members that possess no redundancy, we recommend that these cracks be closely monitored. We are available to assist in the development of a system and schedule for the monitoring and recording of any movements. We recommend cracks be monitored for a minimum period of a year. Readings should be recorded on a monthly cycle, after the application of rigging loads from each significant event/show, and during each significant snow occurrence. If significant movement occurs, these cracks should be further evaluated. Alternatively, CWE can provide the monitoring of cracks on an hourly rate or negotiated basis.

During our observation, we did not find any signs of steel corrosion or any permanent deformation/damage of individual structural steel framing members or connections. The recent "black-out" painting of the steel framed portion of the roof may have masked/covered-up any mild corrosion. The focus of our observation was on the primary W24x76 steel arches, the conventional steel trusses which span between the arches, and the underside of the bulb-tee purlins spanning between the trusses. During the observation, steel member sizes and orientations

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were randomly verified with that shown on the original structural construction drawings. A significant deviation in the web member layout of the conventional steel trusses was observed and noted. Refer to the attached Intermediate Truss Profile sketch depicting the observed deviation. Our computer analysis model was adjusted accordingly, and based on our results, it is our opinion that the actual layout does not adversely affect the intended structural performance of these trusses.

As previously noted, a computer model of the steel framing system was generated to aid in the analysis of multiple scenarios for applied rigging loads and their effects on the structural system. A few screenshots of the analytical computer model have been included for your reference. During our review of the structural construction documents, we were unable to confirm the required material specification used for the design and construction of the steel portion of the roof framing system. Therefore, in our analysis model we have assumed the ultimate and yield strengths of the steel members to be 60,000 psi and 33,000 psi, respectively. This assumption was based on the wide use of material specification ASTM A7 for structural steel buildings from the late 1930's until the early 1960's. We also conducted a quick review of the critical section of the concrete frames, located in the cantilever roof beam at the face of the concrete column, supporting each side of the arches.

It is our opinion that the 4" diameter steel pin connections at each end of the steel arches are the limiting component for the entire system. Using the steel strength assumption, it appears these pins do not have significant reserve capacity beyond what is required to safely support the required load combinations of dead loads, roof live loads, wind loads, and snow loads. Therefore, we concur with the general rigging load restriction shown on the previous long used rigging guidelines (Refer to Attachment #1). This general restriction stated that suspended rigging loads from the roof structure shall not be concurrent with snow, heavy rain, or high wind events which may produce additional loads on the roof framing system.

As a starting point for our rigging load evaluation, we used information provided by a rigging contractor commonly used by the facility and Attachment #1. Based on multiple trial analyses using different rigging load configurations, we have provided updated guidelines for the safe application of rigging loads. Please refer to the Arch Loading Profiles noted for a depiction of these guidelines.

- A single suspended load of up to 2500lb applied directly to the arch at one small truss location.
  - "Arch Loading Profile – A".
- Four or five suspended loads of no more than 1500lb applied directly to the arch at every fourth small truss location.
  - "Arch Loading Profile – B" OR
  - "Arch Loading Profile – C".
- Multiple suspended loads of no more than 800lb applied directly to the arch at every other small truss location.
  - "Arch Loading Profile – D"

- Multiple suspended loads of no more than 400lb applied directly to the arch at every small truss location.
    - o "Arch Loading Profile – E"

For the typical roof trusses, a maximum single load of 500 lb may be applied at any panel point. Do not hang loads greater than 6" away from panel points that would produce bending in the bottom chords. Refer to Roof Truss Loading Profile - F attached.

We are available for any discussion regarding these findings.

Sincerely,
**CARPENTER WRIGHT ENGINEERS, P.L.L.C.**

Michael R .Radcliffe, P.E.

Ken L. Griffin, P.E.
Principal

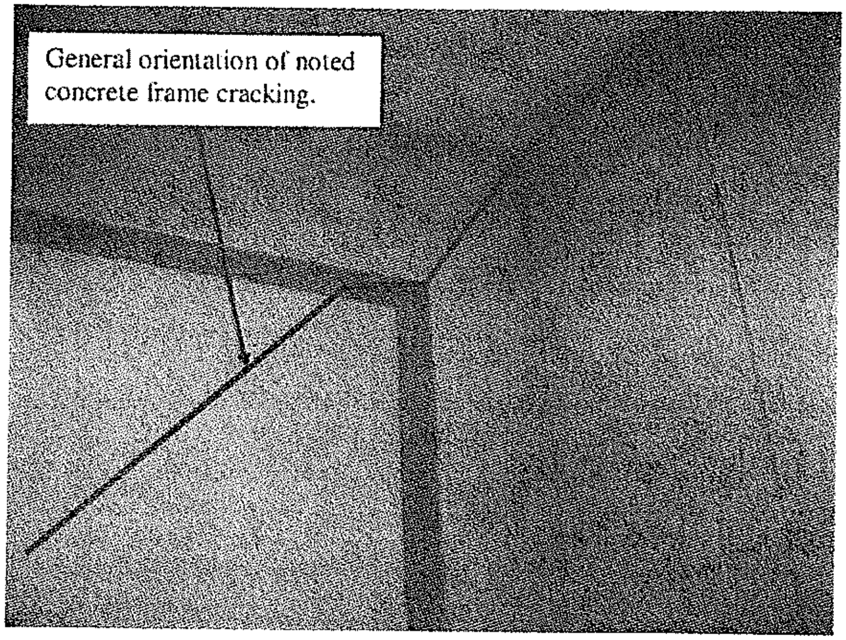



**Photo 1 – Sample Sketch of Concrete Frame Cracking at Fixed end of Cantilever (actual cracks have been painted over and are not visible in this photo)**

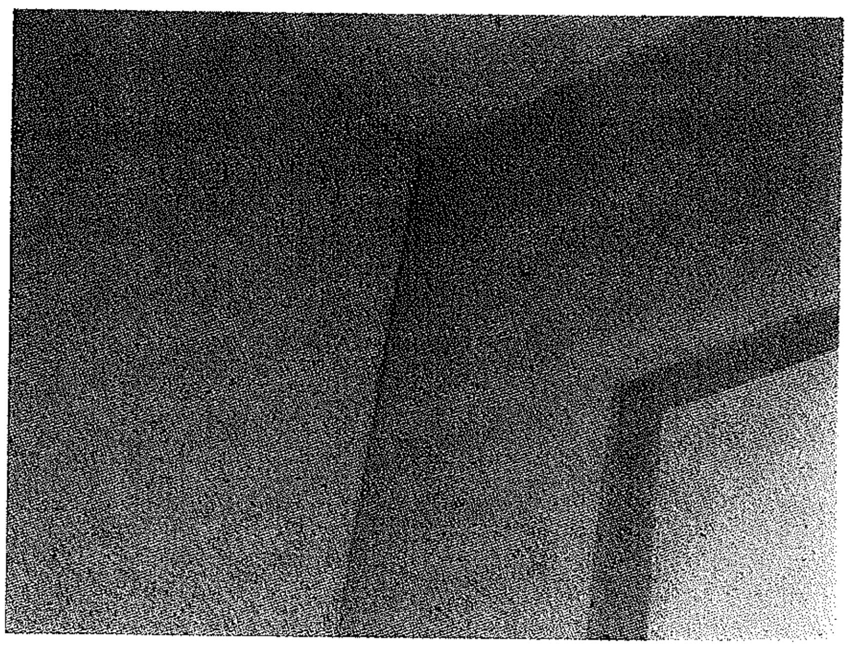
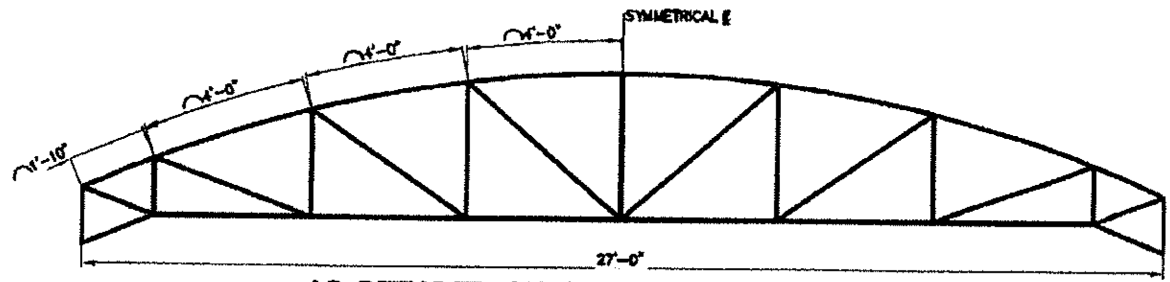
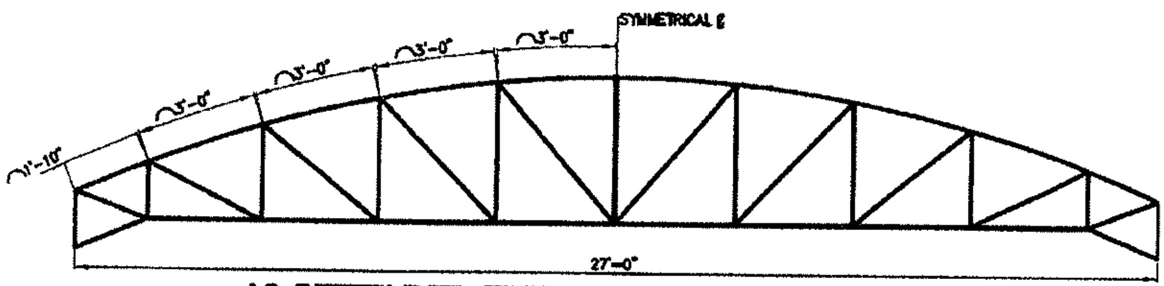


**Photo 2 – Sample of Concrete Frame Cracking at Fixed end of Cantilever**

# INTERMEDIATE TRUSS PROFILE

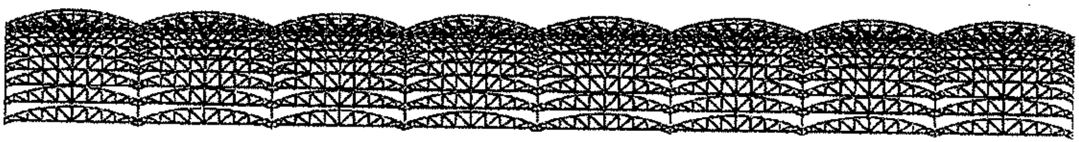



**AS DETAILED ON CONSTRUCTION DRAWINGS**

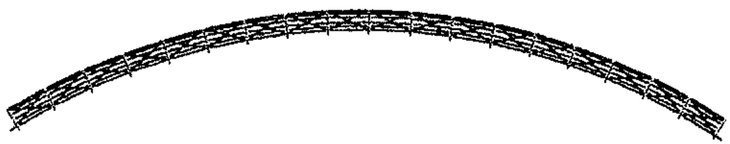



**AS DETERMINED FROM ACTUAL FIELD OBSERVATION**

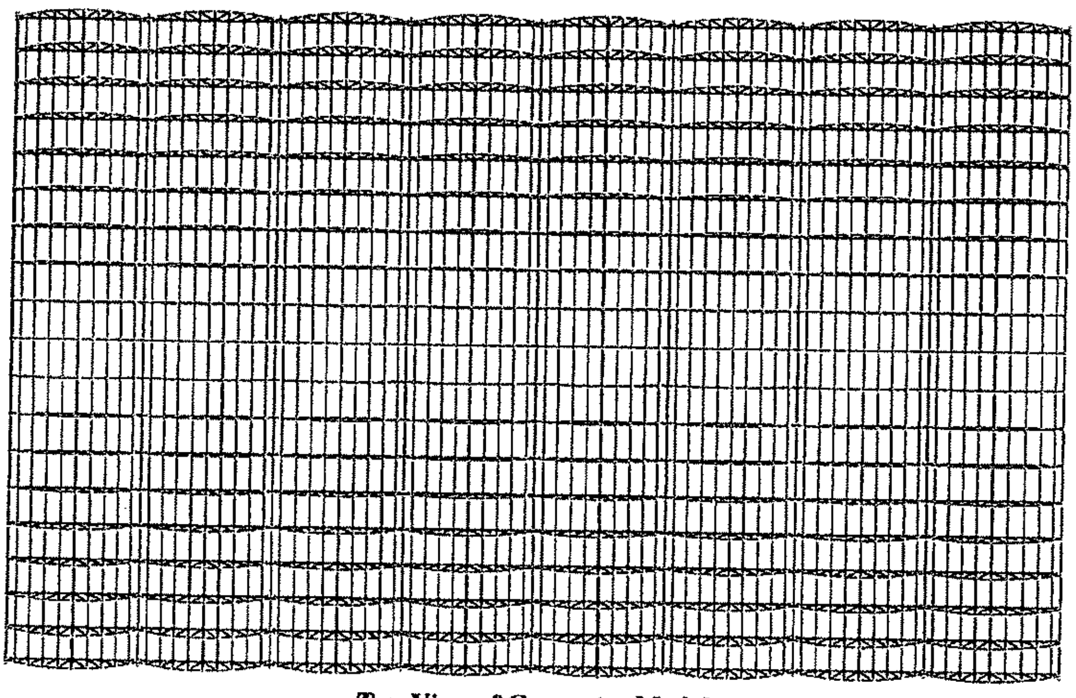
# SCREENSHOTS OF ANALYTICAL COMPUTER MODEL



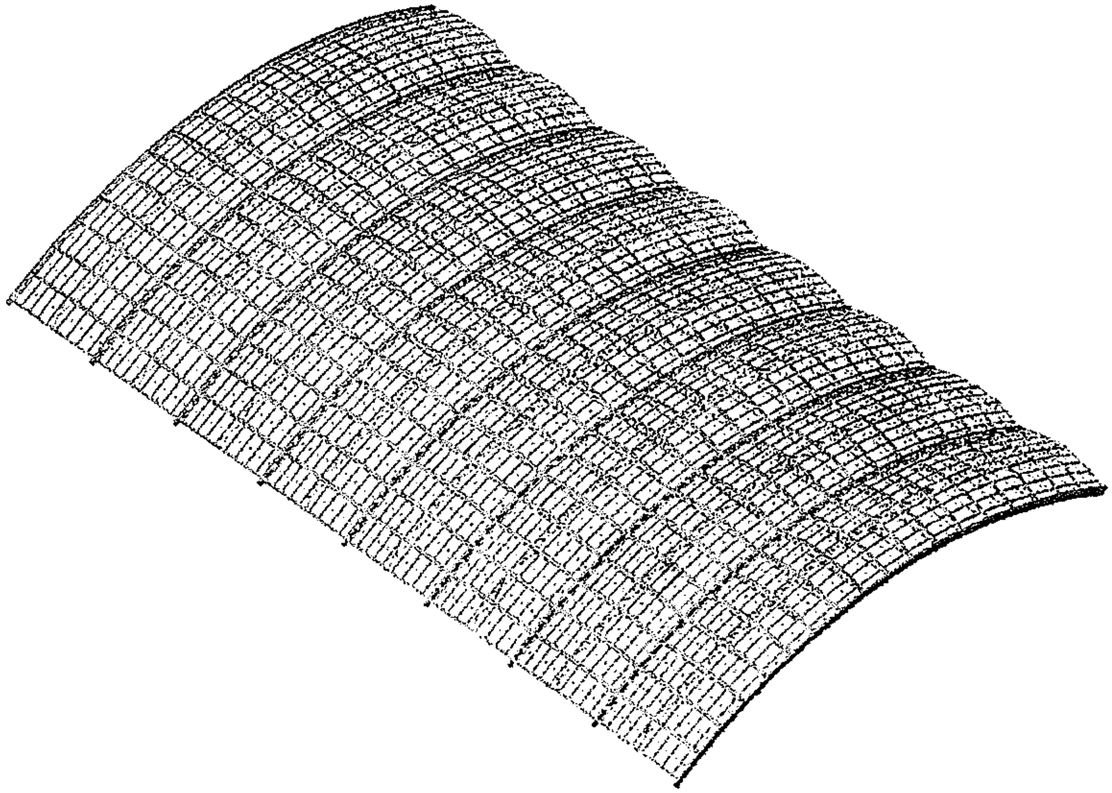
**Side View of Computer Model**



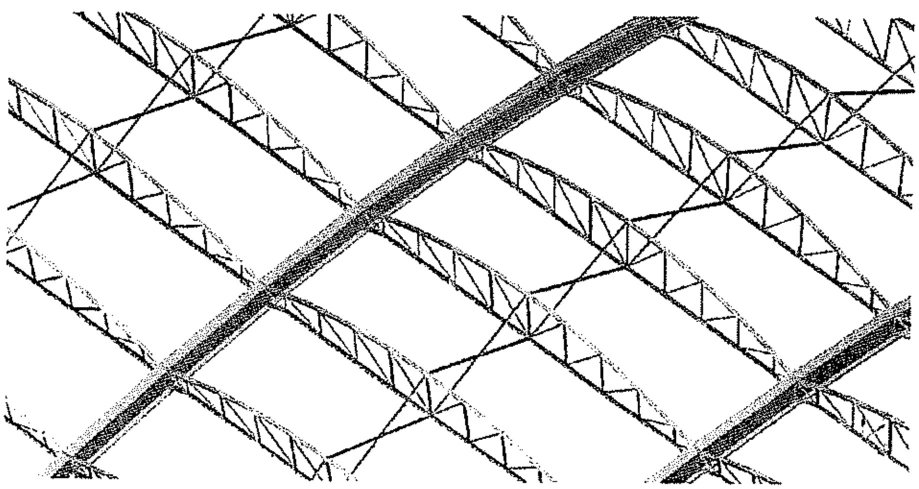
**End View of Computer Model**



**Top View of Computer Model**

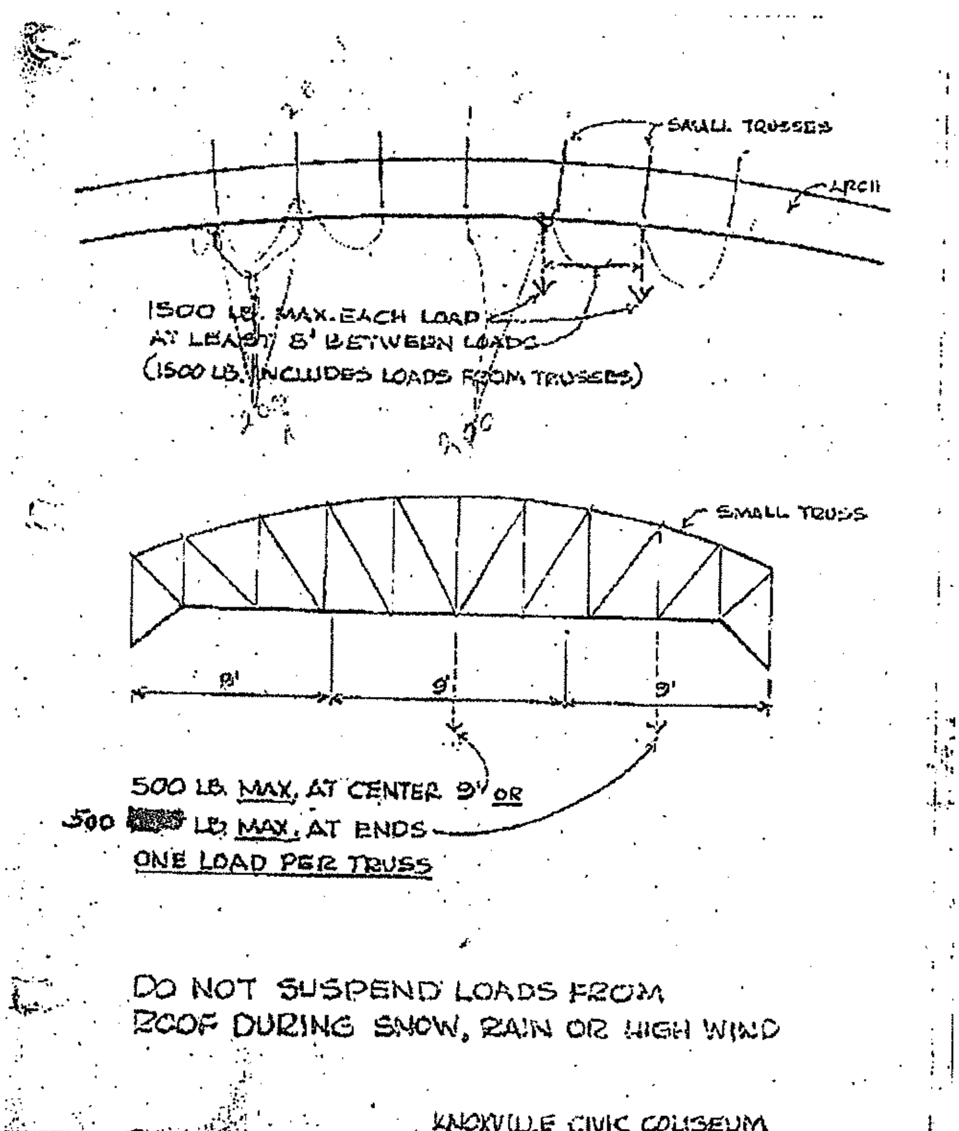


**Rendered Isometric View of Eight Bay Model**



**Rendered Isometric View Close-Up of Eight Bay Model**
(Roof Deck & 'Bulb-T Purlins Not Shown for Clarity)

# ATTACHMENT #1
# PREVIOUS RIGGING GUIDELINES



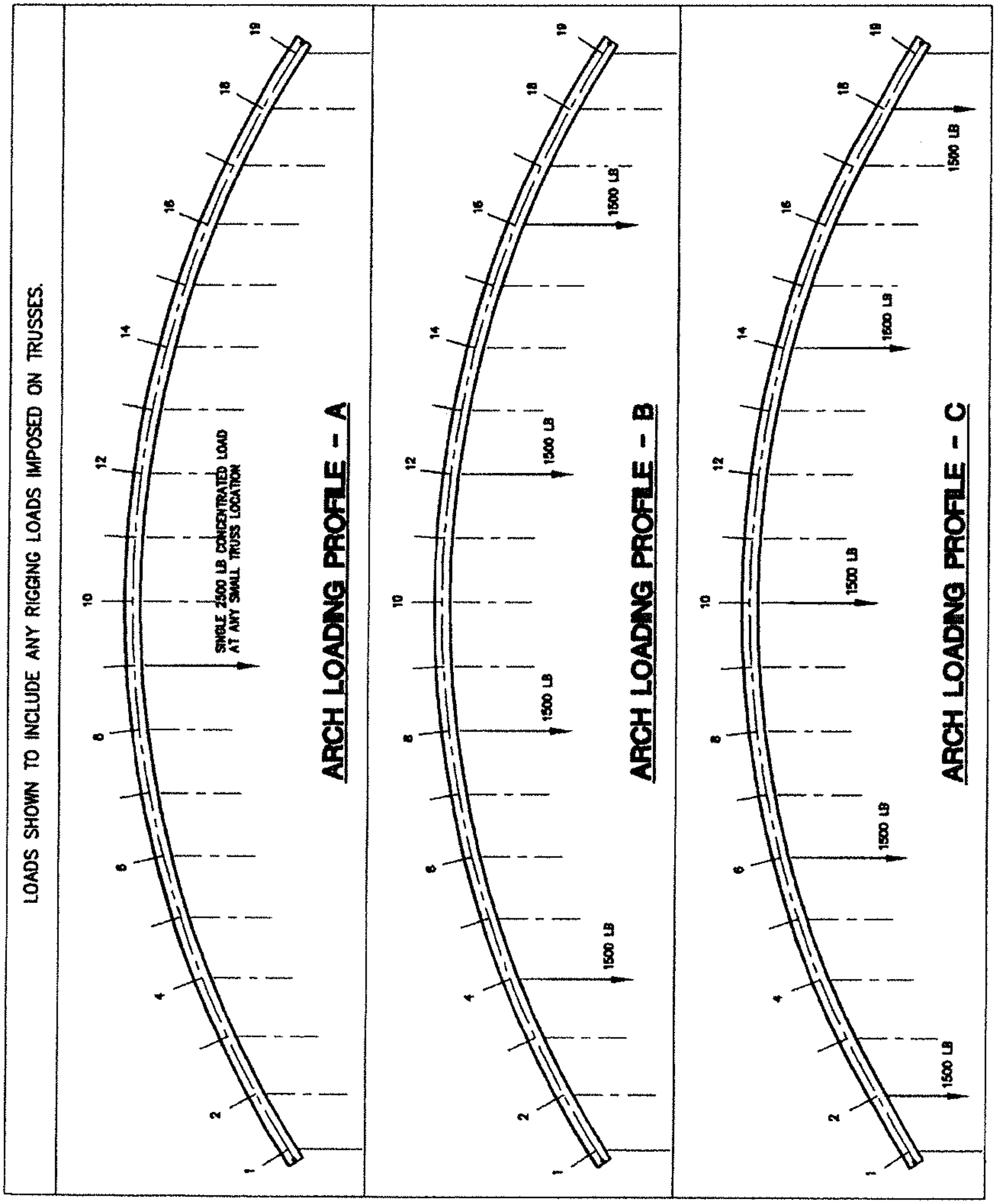
PROJECT Knoxville Civic Coliseum NO. 2009145.00

COMPUTED BY MRR DATE 11/30/11 CHECKED BY ______ DATE ______

SUBJECT Allowable Steel Arch Loading Profiles SHT 9 OF 11

**Carpenter Wright Engineers** CWE

**Structural Consultants**



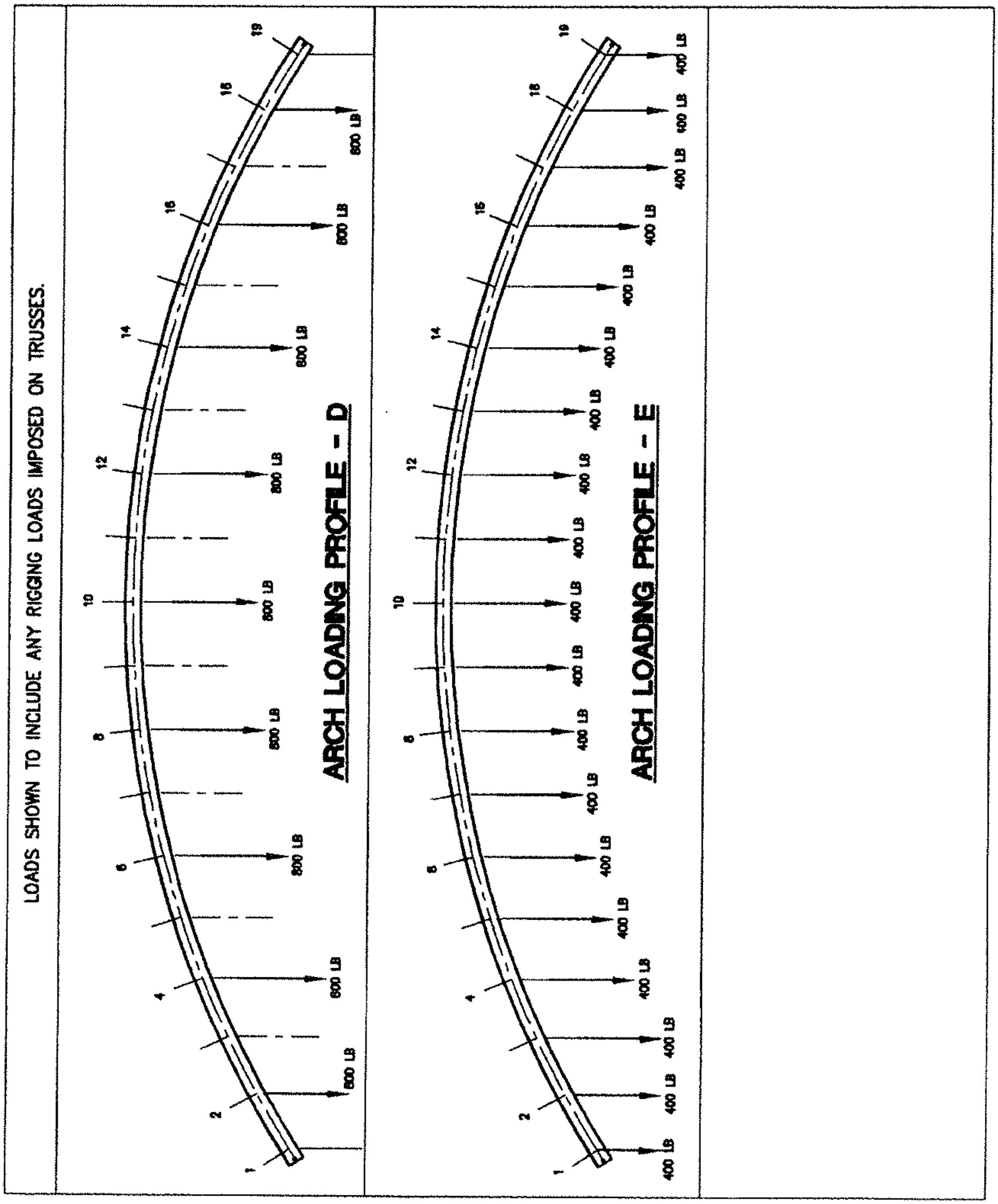
PROJECT Knoxville Civic Coliseum NO. 2009145.00

COMPUTED BY MRR DATE 11/30/11 CHECKED BY ______ DATE ______

SUBJECT Allowable Steel Arch Loading Profiles SHT 10 OF 11

**Carpenter Wright Engineers**

**Structural Consultants**

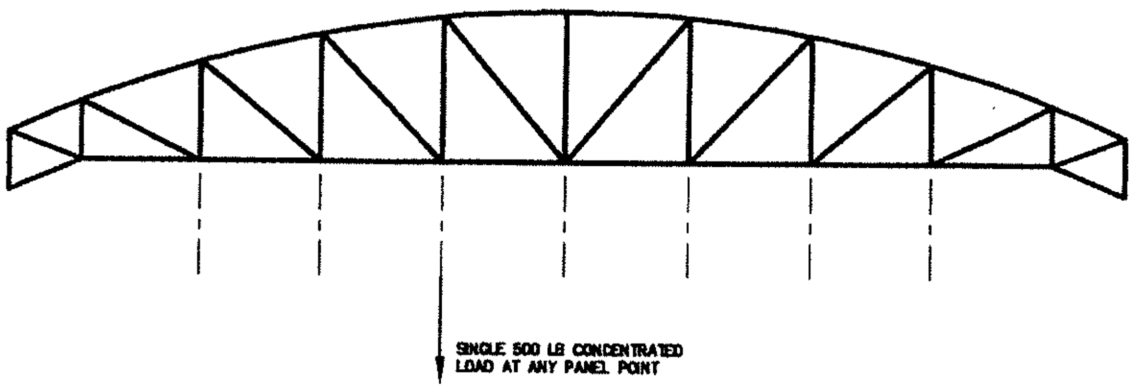


PROJECT Knoxville Civic Coliseum NO. 2009145.00

COMPUTED BY MRR DATE 11/30/11 CHECKED BY ______ DATE ______

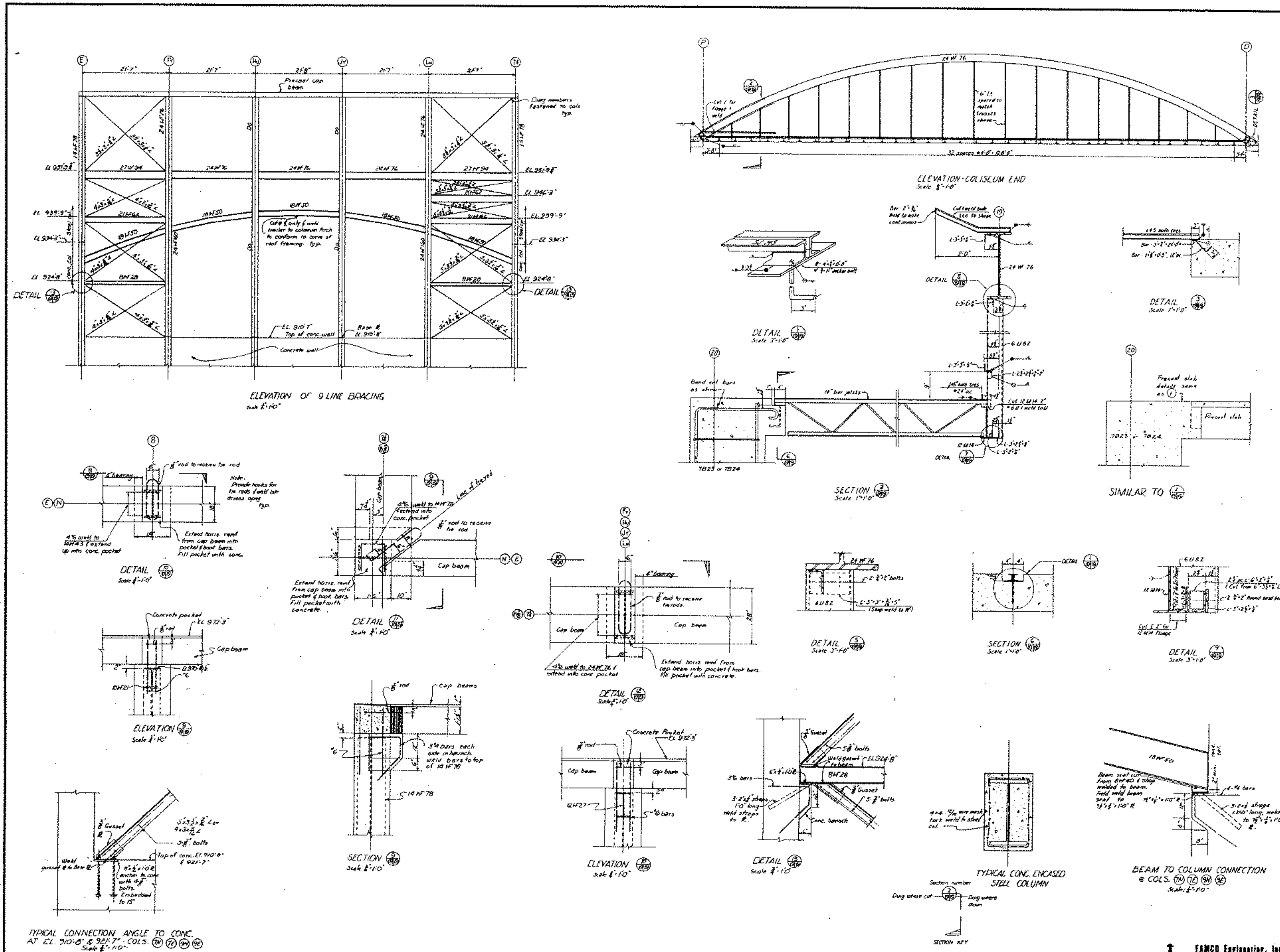
SUBJECT Allowable Roof Truss Loading Profile SHT 11 OF 11

Carpenter Wright Engineers
Structural Consultants




**ROOF TRUSS LOADING PROFILE - F**

DO NOT APPLY CONCENTRATED LOADS BETWEEN PANEL POINTS THAT WILL PRODUCE BENDING OF TRUSS CHORDS.




# KNOXVILLE CIVIC AUDITORIUM - COLISEUM

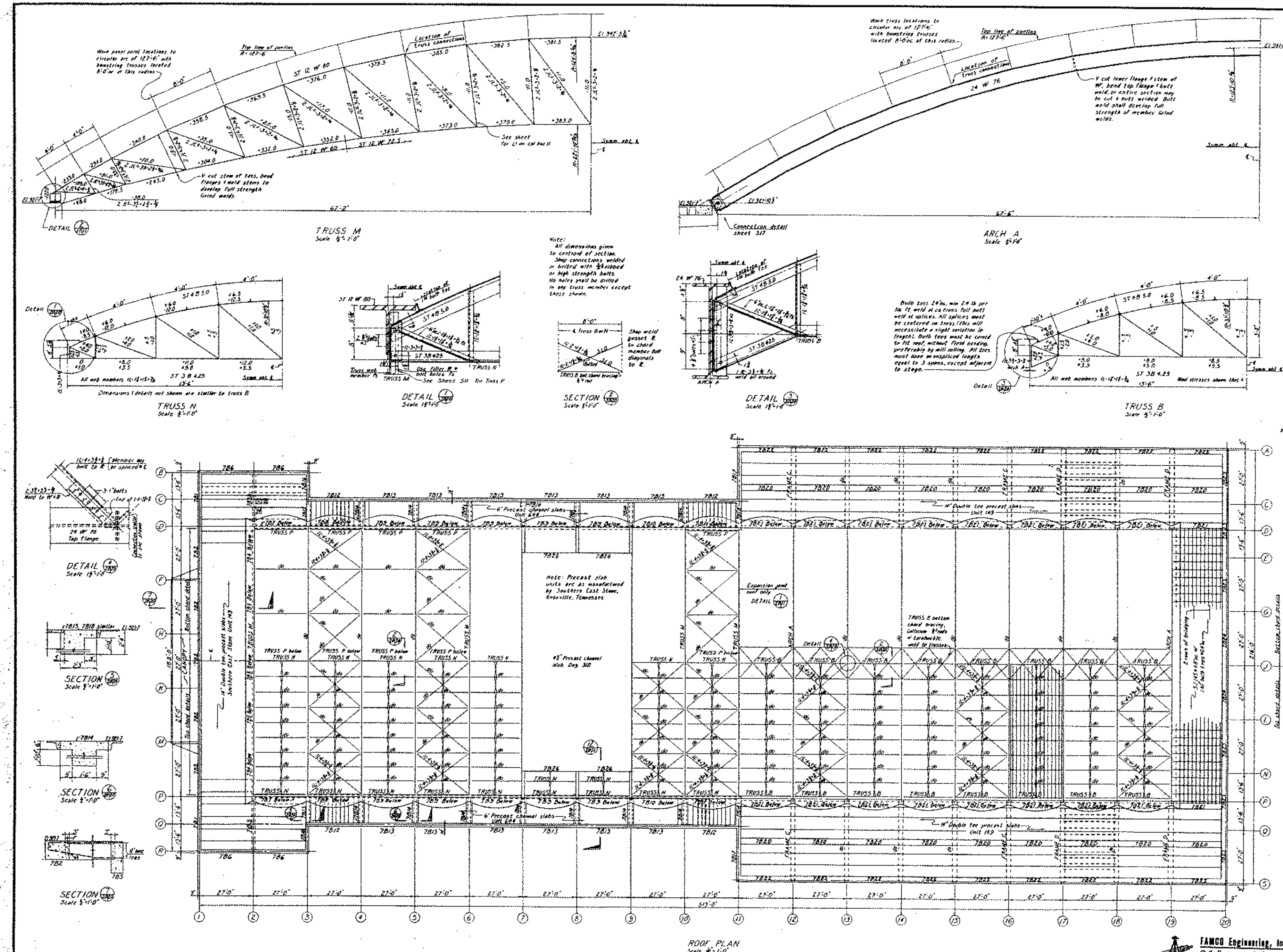
PAINTER, WEEKS & McCARTY
MORTON & SWEETSER
ASSOCIATED ARCHITECTS
KNOXVILLE TENNESSEE

S19

AUDITORIUM - COLISEUM
MISCELLANEOUS DETAILS

FAMCO Engineering, Inc.
Civil Engineers and Consultants
KNOXVILLE - TENNESSEE

S19




# KNOXVILLE CIVIC AUDITORIUM - COLISEUM

PAINTER, WEEKS & McCARTY
MORTON & SWEETSER

ASSOCIATED ARCHITECTS
KNOXVILLE TENNESSEE

S20

ROOF FRAMING

S20

# BEAM SCHEDULE

| Mark | W | D | Long. Reinf. No. & Size | Remarks | Stirrups No. & Size | Spcg. from face of supp. |
|---|---|---|---|---|---|---|
| 2B1 | 16 | 24 | 2-#6 | Bot. | 6-#3 | 2@4, 1@12 ea end |
| | | | 2-#9 | Truss | | |
| | | | 3-#7 | Top-@ col. [illegible] | | |
| 2B2 | 18 | 24 | 2-#6 | Bot. | 7-#3 | 2@4, 1@8 @ col. (B); 2@4, 1@8 @ col (F) |
| | | | 3-#9 | Truss | | |
| | | | 2-#7 | Top-@ col. (F) | | |
| 2B3 | 18 | 20 | 6-#8 | Bot | 6-#3 | 3@2 ea end |
| | | | 2-#8 | Truss | | |
| | | | 2-#6 | Top-@ col (G) | | |
| 2B4 | 18 | 20 | 2-#6 | Bot. | 6-#3 | 3@4 ea end |
| | | | 4-#8 | Truss | | |
| 2B5 | — | — | | | | |
| 2B6 | — | — | | | | |
| 2B7 | — | — | | | | |
| 2B8 | — | — | | | | |
| 2B9 | 18 | 16½ | 2-#7 | Bot. | 16-#2 | 1@3, 1@5, 6@8 |
| | | | 3-#7 | Truss | | |
| 2B10 | 18 | 16½ | 2-#7 | Bot. | 16-#2 | 1@3, 1@5, 6@8 |
| | | | 3-#7 | Truss | | |
| 2B11 | 16 | 24 | 3-#7 | Bot. | 14-#2 | 1@3, 1@6, 5@11 |
| | | | 3-#8 | Truss | | |
| | | | 2-#7 | Top | | |
| 2B12 | 12 | 16½ | 2-#6 | Bot. | 10-#2 | 1@3, 1@5, 3@8 |
| | | | 2-#7 | Truss | | |
| 2B13 | 21 | 28 | 2-#8 | Bot. | 10-#3 | 2@4, 2@8 col (G); 2@4, 1@6, 3@8 col (H) |
| | | | 3-#8 | Truss | | |
| | | | 2-#8 | Top-centered on (H) - 16'-0" long | | |
| 2B14 | 21 | 28 | 2-#6 | Bot | 8-#3 | 2@6, 2@8 |
| | | | 3-#8 | Truss | | |
| 2B15 | 21 | 28 | 2-#6 | Bot. | 9-#3 | 2@8, 2@8 @ (K); 3@6, 1@8 @ (K) |
| | | | 3-#9 | Truss | | |
| | | | 2-#9 | Top-centered on (K) - 16'-0" long | | |
| 2B16 | 21 | 28 | 6-#8 | Bot | 23-#3 | 1@3, 1@4, 3@6, 2@8, 1@… Col (H); 1@3, 3@4, 4@6; 1@6, 1@12 @ col (E) |
| | | | 3-#9 | Truss | | |
| 2B17 | 16 | 36 | 4-#8 | Bot | 22-#3 | … @ col (G) |
| | | | 2-#10 | Truss | | |
| | | | 2-#10 | Top-centered on (G) - 16'-0" long | | |
| 2B18 | 16 | 36 | 4-#6 | Bot | 18-#3 | 1@4, 2@4, 1@6, 1@12 |
| | | | 2-#10 | Truss | | |
| | | | 2-#10 | Top-centered on (H) - 16'-0" long | | |
| 2B19 | 18 | 36 | 2-#10 | Bot | 18-#3 | 5@4, 3@6, 1@8, 1@12 |
| | | | 2-#10 | Truss | | |
| | | | 2-#10 | Top-centered on (K) | | |
| 2B20 | 18 | 36 | 4-#6 | Bot | 14-#3 | 4@4, 2@6, 1@8, 1@12 |
| | | | 2-#10 | Truss | | |
| | | | 2-#10 | Top-centered on (K) | | |
| 2B21 | 18 | 36 | 4-#8 | Bot | 22-#3 | … @ col; 1@12 @ col (G) |
| | | | 2-#10 | Truss | | |
| 2B22 | 16 | 12½ | 2-#7 | Bot. cont. | | |
| | | | 2-#7 | Top cont. | 6-#2 | 1@3, 3@6 |
| 2B23 | 16 | 12½ | | Bot. cont. | | |
| | | | | Top cont. | 6-#2 | 1@3, 3@6 |
| 2B24 | 16 | 24 | | Bot | 6-#3 | 2@8, 1@12 |
| | | | | Truss | | |
| 2B25 | 18 | 24 | | Bot | 12-#2 | 1@3, 1@6, 4@12 |
| | | | | Truss | | |
| | | | | Top | | |
| 2B26 | 18 | 24 | | Bot | 4-#2 | 1@6, 1@6, 2@12 |
| | | | | Truss | | |
| 2B27 | 18 | 36 | | Bot | 7-#3 | 1@6, 1@12 @ col [illegible]; 2@4, 1@6, 1@12 @ col [illegible] |
| | | | | Truss | | |
| | | | | Top-centered on [illegible] - 16'-0" long | | |
| 2B28 | 18 | 36 | | Bot | | |
| 2B29 | 16 | 24 | | Bot | 8-#2 | 1@3, 1@6, 2@12 |
| | | | | Top, cont across 2B30 | | |
| | | | | Top cont across 2B30 | | |
| 2B30 | 12 | 18 | | Bot extend 3' into conc wall | 12-#3 | 1@3, 1@6, 1@12 |
| | | | | Top - extend 3' into conc wall | | |
| 2B31 | 12 | 18 | | Bot | | |
| | | | | Top | | |
| 2B32 | 12 | 18 | | Bot | | |
| | | | | Top-Extended from 2B33 | 2-#3 | 4@12 @ 2B34 |
| 2B33 | 12 | 18 | | Bot | | |
| | | | | Top-Extend @ 2B34 & thru 2B32 | 2-#3 | 1@4, 1@6, 7@12 |
| 2B34 | 18 | 24 | | Top-See sketch on 2B29 | | begin @ support |
| | | | | Top-See sketch on 2B29 | | |
| 2B35 | 12 | 24 | | Bot | | |
| | | | | Top | | |
| 2B36 | 12 | 24 | | Bot | | |
| | | | | Top | | |
| 4B35 | 28 | 16½ | 3#8 | Bot | 16-#2 | 1@3, 3@6, 5@8 |
| | | | 3#10 | Truss | | |
| | | | 2#8 | Top cont | | |
| 4B36 | 18 | 28 | 3#10 | Truss | 8-#3 | 1@4, 1@8, 2@12 |
| | | | 2#8 | Bot | | |
| 4B37 | 10½ | 18 | 2#6 | Top cont | 6-#2 | 3@8 |
| | | | 2#6 | Bot | | |

| Mark | W | D | Long. Reinf. No. & Size | Remarks | Stirrups No. & Size | Spcg. from face of supp. |
|---|---|---|---|---|---|---|
| 3B1 | 12 | 24 | | Bot | 12-#2 | 1@4, 1@6, 4@11 |
| | | | | Truss | | |
| 3B2 | 12 | 24 | | Bot | 14-#2 | 1@4, 1@6, 5@11 |
| | | | | Truss | | |
| | | | | Top @ ea end | | |
| 3B3 | 12 | 24 | | Bot | | |
| | | | | Truss | | |
| | | | | Top @ [illegible] | | |
| 3B4 | 12 | 24 | | Bot | 14-#2 | 1@4, 1@5, 5@10 |
| | | | | Truss | | |
| | | | | Top @ [illegible] & [illegible] | | |
| | | | | Top @ [illegible] | | |
| 3B5 | 12 | 20 | | Bot | 6-#2 | 1@4, 1@6, 3@8 |
| | | | | Truss | | |
| 3B6 | 12 | 20 | | Bot cont across 3B7 | 14-#3 | 1@3, 2@6, 5@10 |
| | | | | Truss extend to 3B7 | | |
| | | | | Top @ wall | | |
| | | | | Top @ [illegible] extend… | | |
| 3B7 | 12 | 20 | | From 3B6 | 10-#3 | 1@3, 2@6, 2@10 |
| 3B8 | 18 | 20 | | Bot | 6-#3 | 3@8 ea end |
| | | | | Truss | | |
| 3B9 | 18 | 20 | | Bot | 6-#3 | 3@8 ea end |
| | | | | Truss | | |
| | | | | Top @ col. [illegible] | | |
| 3B10 | 18 | 24 | | Bot | 7-#3 | 1@4, 1@8 @ col [illegible]; 1@4, 1@8 @ col [illegible] |
| | | | | Truss | | |
| | | | | Top @ col [illegible] | | |
| 3B11 | 18 | 24 | | Bot | 6-#3 | 3@6, 1@12 ea end |
| | | | | Truss | | |
| | | | | Top-@ col [illegible] | | |
| 4B1 | 15 | 24 | | Bot | 12-#3 | 1@3, 2@4, 5@10 |
| | | | | Truss | | |
| | | | | Top 1 ea end | | |
| 4B2 | 15 | 24 | | Bot | 18-#3 | 1@3, 2@6, 5@10 |
| | | | | Truss | | |
| | | | | Top 1 ea end | | |
| 4B3 | 15 | 24 | | Bot | 14-#3 | 1@3, 3@6, 5@10 |
| | | | | Truss | | |
| | | | | Top-From adjacent… | | |
| | | | | Top @ [illegible] | | |
| 4B4 | 12 | 20 | | Bot | 12-#3 | 1@4, 3@8 |
| | | | | Truss | | |
| | | | | Top @ [illegible] | | |
| 4B5 | 15 | 24 | | Bot | 18-#3 | 1@3, 2@4, 5@10 |
| | | | | Truss | | |
| | | | | Top-2 ea end | | |
| 4B6 | 18 | 21 | | Bot extend… | 21-#3 | 1@2, 1@4, 3@6, 1@6 |
| | | | | Truss | | |
| 4B7 | 18 | 21 | | Truss | 6-#2 | 1@3, 3@6 |
| | | | | Bot | | |
| | | | | Top-b.l. @ [illegible] | | |
| 4B8 | 12 | 24 | | Bot | 16-#3 | 1@3, 2@6, 3@12 |
| | | | | Truss-b.l. @ [illegible] | | |
| | | | | Top-t.l. @ [illegible] | | |
| 4B9 | 12 | 21 | | Bot | 16-#2 | 1@6, 7@10 |
| | | | | Truss | | |
| | | | | Top @ [illegible] | | |
| 4B10 | 12 | 24 | | Bot | 16-#2 | 1@6, 7@10 |
| | | | | Truss, t.f., b.l. | | |
| | | | | Top @ [illegible] | | |
| 4B11 | 18 | 21 | | Bot | 10-#3 | 1@3, 1@5, 2@6, 1@8 |
| | | | | Truss, t.f., b.l. | | |
| 4B12 | 12 | 32 | | Bot, b.l. | 14-#3 | 1@3, 2@6, 1@12 |
| | | | | Truss | | |
| | | | | Top cont | | |
| 4B13 | 12 | 24 | | Bot | 12-#2 | 1@4, 1@6, 1@12, 2@14 |
| | | | | Truss | | |
| | | | | Top cont | | |
| 4B14 | 20 | 16½ | | Bot | 12-#2 | 1@3, 2@6, 2@8 |
| | | | | Truss | | |
| | | | | Top [illegible] | | |
| 4B15 | 28 | 16½ | | Bot | 12-#2 | 1@3, 2@6, 3@8 |
| | | | | Truss | | |
| | | | | Top | | |
| 4B16 | 8 | 16 | | Bot cont @ cor. | 4-#2 | 1@3, 1@6, 2@12 |
| | | | | Top cont @ cor | | |
| 4B17 | 16 | 21 | | Bot | 20-#3 | 1@2, 2@4, 2@5, 1@6; 1@8, 3@10 |
| | | | | Truss | | |
| | | | | Top @ [illegible] | | |
| 4B18 | 12 | 24 | | Bot | 16-#3 | 1@3, 2@6, 5@12 |
| | | | | Truss b.l. @ [illegible] | | |
| | | | | Top @ [illegible] | | |
| 4B19 | 16 | 21 | | Bot | 20-#3 | 1@3, 2@7, 3@6; 1@8, 3@10 |
| | | | | Top t.l. @ [illegible] | | |
| | | | | Top b.l. @ [illegible] | | |
| 4B20 | 12/18 | 26½ | | Bot | 16-#3 | 1@4, 1@6, 1@8, 1@12 |
| | | | | Truss | | |
| 4B21 | 12 | 26½ | | Bot | 14-#3 | 1@2, 1@8, 1@10, 1@12 |
| | | | | Truss | | |
| | | | | Top @ [illegible] | | |
| 4B22 | 16 | 18 | | Bot extend… | 12-#3 | 1@3, 2@6, 2@8 |
| | | | | Truss | | |
| | | | | Top-b.l. @ [illegible] | | |
| | | | | Top @ [illegible] | | |
| 4B23 | 12 | 32 | | | | |

| Mark | W | D | Long. Reinf. No. & Size | Remarks | Stirrups No. & Size | Spcg. from face of supp. |
|---|---|---|---|---|---|---|
| 4B24 | 12 | 24 | 2-#7 | Bot | 16-#3 | 1@4, 1@8, 2@11, 3@10 |
| | | | 2-#9 | Truss | | |
| | | | 2-#6 | Top cont. | | |
| 4B25 | 15 | 15 | 2-#7 | Bot | 11-#2 | 1@4, 1@6, 5@10 |
| | | | 2-#9 | Truss | | |
| | | | 1-#10 | Top @ [illegible] & [illegible] | | |
| 4B26 | 15 | 15 | 3-#5 | Bot | 11-#2 | 1@4, 1@6, 5@10 |
| | | | 2-#9 | Truss | | |
| | | | 2-#6 | Top @ ea end | | |
| 4B27 | 15 | 15 | 2-#8 | Bot | 14-#2 | 1@4, 1@6, 6@10 |
| | | | 2-#7 | Truss | | |
| | | | 1-#7 | Top @ [illegible] & [illegible] | | |
| 4B28 | 23 | 15 | 2-#7 | Bot | 14-#2 | 1@4, 1@6, 5@10 |
| | | | 1-#9 | Truss | | |
| | | | 1-#6 | Top ea end | | |
| 4B29 | 15 | 24 | 2-#8 | Bot. | 16-#3 | 1@4, 1@6, 1@8, 5@10 |
| | | | 2-#10 | Truss | | |
| | | | 2-#9 | Top @ [illegible] t.l. | | |
| | | | 2-#6 | Top @ [illegible] | | |
| 4B30 | 23 | 15 | 2#6 | BOT | | |
| | | | 3#6 | TOP CONT | | |
| 4B31 | SEE SECTION 6H-13-14 | | 5#8 | BOT. BL.-BF | | |
| | | | 4-#10 | TRUSS TL.-BF | | |
| | | | 2-#9 | TOP @ [illegible] | | |
| 4B32 | 12 | 24 | 4#5 | TOP 2 ea end | | |
| | | | 2#10 | TRUSS | 10-#2 | 1@6, 6@12 |
| | | | 2#8 | BOT. | | |
| 4B33 | 18½ | 14 | 2#7 & 2#8 | BOT Cont. | 12#3 | 6@12 |
| 4B34 | (section symbol) | | 2#6 | TOP cont. | 17-#3 | 1@12, 5@8 & 6@12 @ [illegible]; 5@12 @ [illegible] |
| | | | 2#6 | BOT | | |
| 5B1 | 28 | 28 | 2-#10 | Bot-lap end @ col. | 34-#3 | 3@4, 3@6, 11@12 |
| | | | 2-#11 | Truss | | |
| | | | 1-#11 | Top @ col | | |
| 5B2 | 28 | 28 | 2-#8 | Bot-lap end @ col. | 34-#3 | 3@4, 3@6, 11@12 |
| | | | 2-#11 | Truss | | |
| | | | 1-#11 | Top @ col. | | |
| 5B3 | 12 | 30 | 2-#7 | Bot | 10-#3 | 1@4, 4@14 |
| | | | 2-#10 | Truss | | |
| | | | 2-#6 | Top @ [illegible] & [illegible] | | |
| | | | 2-#9 | Top @ [illegible] & [illegible] | | |
| 5B4 | 12 | 42½ | 2-#6 | Bot | 30-#3 | 1@4, 14@10 |
| | | | 2-#9 | Truss | | |
| | | | 1-#10 | Top @ [illegible] & [illegible] | | |
| 5B5 | 12 | 42½ | 2-#6 | Bot | 30-#3 | 1@4, 14@10 |
| | | | 2-#9 | Truss | | |
| 5B6 | 18 | 36 | 2-#6 | Bot. | 42-#3 | 1@3, 2@6, 3@8, 11@10; 1@12, 3@17 |
| | | | 1-#9 | Truss-b.l. | | |
| | | | 2-#6 | Top @ [illegible] & [illegible] | | |
| 5B7 | 18 | 36 | 1-#9 | Bot | 34-#3 | 7@3, 4@8, 3@8, 2@10; 4@17 |
| | | | 3-#10 | Truss | | |
| | | | 2-#9 | Top-b.l. @ [illegible] & [illegible] | | |
| | | | 2-#9 | Top-b.l. @ [illegible] & [illegible] | | |
| 5B8 | 18 | 36 | 2-#8 | Bot | 22-#3 | 7@3, 4@8, 2@10, 4@20 |
| | | | 2-#11 | Truss | | |
| 5B9 | 18 | 36 | 2-#9 | Bot | 10-#3 | 1@8, 4@16 |
| | | | 2-#10 | Truss | | |
| | | | 1-#10 | Top @ col (H) & (K) | | |
| 5B10 | 8 | 10½ | 2-#4 | Bot. | 6-#2 | 1@6, 2@10 |
| | | | 1-#5 | Truss | | |
| | | | 2-#5 | Top 1 ea end | | |
| 5B11 | 16 | 15 | 3-#5 | Bot | | |
| | | | 3-#7 | Truss | 20-#2 | 1@3, 1@7, 8@7 |
| | | | 2-#6 | Top @ [illegible] & [illegible] | | |
| 5B12 | 8 | 15 | 2-#4 | Bot. | 14-#2 | 1@2, 1@3, 5@8 |
| | | | 1-#7 | Truss | | |
| 5B13 | 16 | 21 | 3-#6 | Bot | 10-#2 | 1@2, 1@3, 3@10 |
| | | | 2-#11 | Truss | | |
| | | | 2-#10 | Top @ [illegible] & [illegible] | | |
| 5B14 | 8 | 10½ | 2-#5 | Bot. | | |
| | | | 2-#5 | Truss | | |
| 5B15 | 8 | 10½ | 1-#5 | Bot. | | |
| | | | 1-#5 | Truss | | |
| 5B16 | 10 | 11½ | 2-#5 | Bot. | 14-#2 | 1@3, 6@6 |
| | | | 2-#5 | Truss | | |
| | | | 1-#5 | Top | | |
| 5B17 | 20 | 11½ | 3-#6 | Bot. | 22-#2 | 1@3, 10@6 |
| | | | 3-#8 | Truss | | |
| | | | 3-#9 | Top @ [illegible] | | |
| 5B18 | 21 | 11½ | 3-#6 | Bot. | 22-#2 | 1@3, 10@6 |
| | | | 3-#10 | Truss | | |
| | | | 2-#10 | Top @ [illegible] | | |
| 5B19 | (section symbol) | | 2-#7 | Bot. | 10-#2 | 2@3, 3@6 |
| | | | 2-#8 | Truss | | |
| | | | 2-#8 | Top @ [illegible] & [illegible] | | |
| | | | 1-#9 | Top @ [illegible] | | |
| 5B20 | 15¾ | 24 | 2-#7 | Bot. | 16-#2 | 1@2, 1@4, 1@6, 1@6; 1@8, 1@10, 1@11 |
| | | | 2-#9 | Truss | | |
| 5B21 | 15¾ | 24 | 2-#7 | Bot | 14-#2 | 1@2, 1@4, 1@7, 1@4; 1@8, 1@10, 1@11 |
| | | | 2-#9 | Truss | | |
| | | | 2-#11 | Top @ [illegible] & [illegible] | | |
| 5B22 | 15¾ | 24 | 2-#7 | Bot | 14-#2 | 1@2, 1@4, 1@5, 1@6; 1@8, 1@10, 1@11 |
| | | | 2-#9 | Truss | | |
| | | | 1-#9 | Top @ [illegible] | | |
| 5B23 | 15¾ | 24 | 2-#6 | Bot. | 14-#2 | 1@2, 1@4, 1@5, 1@6; 1@8, 1@10, 1@11 |
| | | | 2-#8 | Truss | | |
| | | | 1-#9 | Top @ [illegible] | | |
| | | | 1-#9 | Top @ [illegible] | | |
| 5B24 | 12 | 26½ | 2-#7 | Bot. | 16-#3 | 1@4, 1@6, 1@8, 4@10; 3@12 |
| | | | 2-#9 | Truss | | |
| | | | 1-#7 | Top @ [illegible] | | |
| 5B25 | 12 | 34½ | 2-#6 | Bot. | 16-#3 | 1@4, 1@8, 1@10, 3@12 |
| | | | 2-#9 | Truss | | |
| | | | 1-#7 | Top @ [illegible] | | |

| Mark | W | D | Long. Reinf. No. & Size | Remarks | Stirrups No. & Size | Spcg. from face of supp. |
|---|---|---|---|---|---|---|
| 5B26 | 18 | 18 | 3-#8 | Bot. extend … | 26-#3 | 1@2, 4@4, 2@5, 2@6; 2@8 |
| | | | 6-#10 | Truss | | |
| | | | 3-#9 | Top-t.l. @ [illegible] | | |
| | | | 2-#8 | Top-b.l. @ [illegible] | | |
| 5B27 | 12 | 32 | 2-#10 | Bot | 10-#3 | 1@3, 2@6, 1@14 |
| | | | 1-#10 | Truss-b.l. … | | |
| | | | 2-#11 | Truss-t.l. of | | |
| 5B28 | 12 | 24 | 2-#8 | Bot. | 12-#2 | 1@6, 5@12 |
| | | | 2-#6 | Truss | | |
| | | | 2-#5 | Top | | |
| 5B29 | 12 | 14½ | 2-#5 | Bot. | | |
| | | | 2-#6 | Truss | | |
| 5B30 | 12/18 | 26¼ | 2-#6 | Bot. | 23-#2 | 1@3, 10@6 |
| | | | 2-#7 | Truss | | |
| | | | 2-#10 | Top @ [illegible] | | |
| 5B31 | 12 | 26¼ | 2-#6 | Bot. | 22-#2 | 1@7, 10@6 |
| | | | 2-#7 | Truss | | |
| | | | 2-#7 | Top @ [illegible] | | |
| | | | 2-#7 | Top @ [illegible] | | |
| 5B32 | 15¾/20 | 24 | 2-#7 | Bot. | 14-#2 | 1@2, 1@3, 2@6, 1@8; 2@11 |
| | | | 2-#9 | Truss | | |
| | | | 2-#10 | Top 1@ [illegible] & [illegible] | | |
| 5B33 | 15¾ | 24 | 2-#6 | Bot. | 16-#2 | 1@4, 7@10 |
| | | | 2-#8 | Truss | | |
| | | | 2-#8 | Top @ [illegible] | | |
| 5B34 | 12 | 14½ | 2-#6 | Bot | | |
| | | | 3-#6 | Truss | | |
| 5B35 | 26 | 14½ | 4-#6 | Bot. | | |
| | | | 4-#9 | Truss | | |
| 5B36 | 30 | 14½ | 4-#9 | Bot. | 28-#3 | 1@1½, 2@3, 4@6 |
| | | | 4-#9 | Truss, extend … t.f. [illegible] & [illegible] cont. | | |
| 5B37 | 30 | 14½ | 4-#6 | Bot. | 24-#3 | 1@1½, 4@3, 7@6 |
| | | | 4-#9 | Truss-extend … | | |
| 5B38 | 30 | 14½ | 4-#6 | Bot | 24-#3 | 1@1½, 4@3, 7@6 |
| | | | 4-#9 | Truss | | |
| 5B39 | 8 | 16 | 2-#6 | Bot. | 8-#2 | 1@3, 3@7 |
| | | | 1-#4 | Top | | |
| 5B40 | 8 | 16 | 2-#4 | Bot. | 8-#2 | 1@3, 3@7 |
| | | | 2-#4 | Top | | |
| 5B41 | 10 | 24 | 2-#8 | Bot. - b.l. cont. | 30-#2 | 1@3, 3@6, 5@8, 7@12 |
| | | | 1-#8 | Truss - t.l. - t.f. | | |
| | | | 2-#8 | Top-cont. t.l. - t.f. | | |
| 5B42 | 10 | 24 | 2-#8 | Bot.- cont. b.l. | 30-#2 | 1@3, 2@4, 3@8, 7@12 |
| | | | 1-#7 | Truss-b.l.-t.l. at 1 end | | |
| | | | 2-#8 | cont. t.l. - t.f. | | |
| 6B1 | 18 | 30 | 2-#6 | Bot | 10-#3 | 3@7, 3@14 |
| | | | 2-#9 | Truss | | |
| | | | 2#8 & 2#7 | Top #8 @ [illegible] & #7 @ [illegible] | | |
| 6B2 | 18 | 24 | 3-#6 | Bot. | 13-#2 | 1@3, 2@6, 3@15 |
| | | | 2-#9 | Truss | | |
| | | | 2-#7 | Top @ [illegible] | | |
| 6B3 | 18 | 24 | 3-#6 | Bot. | 12-#3 | 1@3, 2@6, 3@12 |
| | | | 2-#9 | Truss | | |
| 6B4 | 18 | 24 | 3-#8 | Bot. | 12-#2 | 1@3, 2@6, 3@12 |
| | | | 2-#8 | Truss | | |
| 6B5 | 10¾ | 18 | 2-#6 | Bot. | 18-#3 | 1@2, 1@4, 1@6, 1@6, 4@8 |
| | | | 2-#8 | Truss - … | | |
| | | | 1-#7 | Top @ [illegible] & [illegible] | | |
| | | | 1-#6 | Top @ [illegible] & [illegible] | | |
| 6B6 | 10¾ | 18 | 2-#5 | Bot. | 15-#3 | 1@3, 1@4, 1@6, 3@8 |
| | | | 2-#6 | Truss | | |
| | | | 1-#6 | Top @ [illegible] & [illegible] | | |
| 6B7 | 6 | 18 | 2-#5 | Bot. cont. | 10-#2 | 1@3, 1@5, 3@8 |
| | | | 2-#5 | Top cont. | | |
| 6B8 | 6 | 24 | 4-#6 | Cont. o.f. | 12-#2 | 1@4, 5@12 |
| | | | 4-#5 | Cont. i.f. | | |
| 6B9 | 6 | 24 | 2-#6 | Bot. - cont from 6B8 | 12-#2 | 1@6, 5@12 |
| | | | 2-#8 | Top | | |
| | | | 2-#6 | o.f. 4' past [illegible] from 6B8 | | |
| 6B10 | 15¾ | 18 | 2-#8 | Bot. | 24-#2 | 1@1½, 1@3, 3@6, 1@8; 1@6, 3@8 |
| | | | 2-#10 | Truss | | |
| | | | 1-#10 | Top @ [illegible] | | |
| 6B11 | 15¾ | 18 | 2-#7 | Bot. | 26-#2 | 1@1½, 4@3, 3@6, 1@7; 1@6, 3@8 |
| | | | 2-#10 | Truss | | |
| | | | 1-#8 | Top @ [illegible] | | |
| 6B12 | 15¾ | 18 | 2-#8 | Bot. | 26-#2 | 1@1½, 4@3, 3@6, 1@5; 1@6, 3@8 |
| | | | 2-#10 | Truss | | |
| | | | 1-#8 | Top @ [illegible] | | |
| 6B13 | 12 | 24 | 2-#8 | Bot. | 11-#2 | 1@2, 1@4, 2@5, 1@6; 1@8, 2@10 |
| | | | 1-#10 & 1-#9 | Truss | | |
| | | | 1-#9 | Top @ [illegible] | | |
| 6B14 | 12 | 24 | 2-#8 | Bot. | 11-#2 | 1@2, 1@4, 2@5, 1@6; 1@8, 2@10 |
| | | | 2-#9 | Truss | | |
| | | | | Top | | |
| 6B15 | 18 | 18 | 3-#7 | | 14-#3 | 1@2, 1@4, 1@5, 1@6; 4@8 |
| | | | 2-#11 | Truss | | |
| | | | 2-#10 | Top @ [illegible] & [illegible] | | |
| | | | 1-#11 | Top @ [illegible] | | |
| 6B16 | 12 | 32 | 2-#11 | Bot. b.l. b.f. | 18-#2 | 1@3, 2@6, 6@14 |
| | | | 2-#11 | Truss - t.l. | | |
| | | | 2-#8 | Top 1 ea end | | |
| 6B17 | 12 | 24 | 2-#7 | Bot. | 12-#2 | 1@6, 5@12 |
| | | | 3-#6 | Truss | | |
| | | | 2-#5 | Top cont | | |
| 6B18 | 18 | 12½ | 2-#6 | Bot. cont. | 18-#2 | 1@4, 8@12 |
| | | | 2-#6 | Truss | | |
| | | | 2-#6 | Top cont. | | |
| 6B19 | 8 | 10½ | 2-#5 | Bot. | | |
| | | | 2-#7 | Truss | | |
| 6B20 | 12 | 14½ | 2-#6 | Bot. | 20-#3 | 1@2, 1@3, 1@4, 1@5; 6@6 |
| | | | 2-#7 | Truss | | |
| | | | 1-#7 | Top @ [illegible] | | |

LEGEND:
tf - top face
bf - bottom face
if - inside face
of - outside face
nf - near face
ff - far face
tl - top layer
bl - bottom layer

- Stirrups are [stirrup symbol] unless noted otherwise
- Hooks or laps to be detailed per ACI Building Code Section 306

FAMCO Engineering, Inc.
Civil Engineers and Consultants
KNOXVILLE - TENNESSEE

# KNOXVILLE CIVIC AUDITORIUM - COLISEUM

PAINTER, WEEKS & McCARTY
MORTON & SWEETSER
ASSOCIATED ARCHITECTS
KNOXVILLE TENNESSEE

S22

BEAM SCHEDULE

S22

# BEAM SCHEDULE

| MARK | SIZE W | SIZE D | LONGITUDINAL REINF. No. & SIZE | REMARKS | SKETCH | STIRRUPS No. & SIZE | SPCG FROM FACE OF SUPP. |
|---|---|---|---|---|---|---|---|
| 6B21 | 8 | 10½ | 2#5 | BOT. | | | |
| | | | 2#5 | TRUSS | | | |
| 6B22 | 18 | 14½ | 2#6 | BOT | | 8#3 | 1@6", 7@12" |
| | | | 1#7 | TRUSS | | | |
| | | | 2#6 | TOP @ (2) (2) | | | |
| 6B23 | 12 | 14½ | 2#6 | BOT | | 14#3 | 1@3", 1@3", 1@4" |
| | | | 2#7 | TRUSS | | | 1@5", 4@6" |
| | | | 1#7 | TOP @ (5) | | | |
| 6B24 | 8 | 16 | 2#4 | BOT | | 8#3 | 1@3", 3@7" |
| | | | 2#4 | TOP | | | |
| 6B25 | 11 | 16 | 2#5 | BOT | | 8#3 | 1@3", 3@7" |
| | | | 2#5 | TOP | | | |
| 6B26 | 12 | 32 | 2#10 | BOT | | 14#3 | 1@3", 3@6", 3@15" |
| | | | 2#10 / 2#11 | TRUSS BOT LAYER / TRUSS TOP LAYER | | | |
| 6B27 | 15⅝ | 18 | 2#9 | BOT | | 22#3 | 1@1", 3@3", 3@4" |
| | | | 2#10 | TRUSS | | | 4@8" |
| | | | 1#10 & 2#9 | TOP | | | |
| 6B28 | 15¾ | 18 | 2#8 | BOT | | 22#3 | 1@2", 3@3", 2@4" |
| | | | 2#10 | TRUSS | | | 6@8" |
| 6B29 | 15⅝ | 18 | 2#9 | BOT | | 22#3 | 1@1", 3@3", 3@4" |
| | | | 2#10 | TRUSS | | | 6@8" |
| | | | 2#8 & 1#10 | TOP | | | |
| 6B30 | 15⅝ | 24⅛ | 2#7 | BOT | | 13#3 | 1@3", 1@6", 1@8" |
| | | | 2#9 | TRUSS | | | 1@10", 2@12" |
| | | | 1#9 | TOP @ (8) | | | |
| 6B31 | 12 | 24½ | 2#7 | BOT | | 14#3 | 1@4", 1@8", 1@10" |
| | | | 2#9 | TRUSS | | | 4@12" |
| | | | 1#9 | TOP @ (8) | | | |
| 6B32 | 18 | 18 | 3#7 | BOT [illegible] | | 16#3 | 1@5", 2@6", 4@8" |
| | | | 2#10 | TRUSS | | | |
| | | | [illegible] | TOP [illegible] BOT LAYER | | | |
| 6B35 | 9 | 18 | 1#9 | BOT | | 13#1 | 1@5", 5@6" |
| | | | 1#9 | TRUSS | | | |

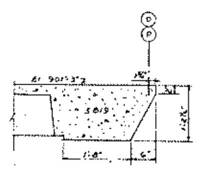
## COLUMN SCHEDULE

All base plates shall have 1" grout.

# COLUMN SCHEDULE

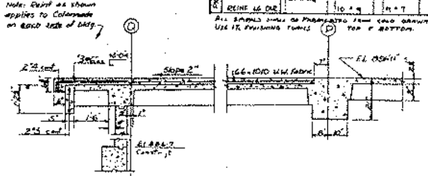
# PILE CAPS NOT AT COLUMNS

All dowels shall be fabricated from cold drawn wire with a 1⅝" core & 2 vertical spacers. Use 12 finishing turns top & bottom.

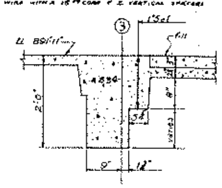


SECTION
Scale 1"=1'0"

Note: Reinf as shown applies to Colonnade on each side of bldg.



SECTION THRU COLONNADE
Scale 1"=1'0"



SECTION
Scale 1"=1'0"

FAMCO Engineering, Inc.
Civil Engineers and Consultants
KNOXVILLE - TENNESSEE

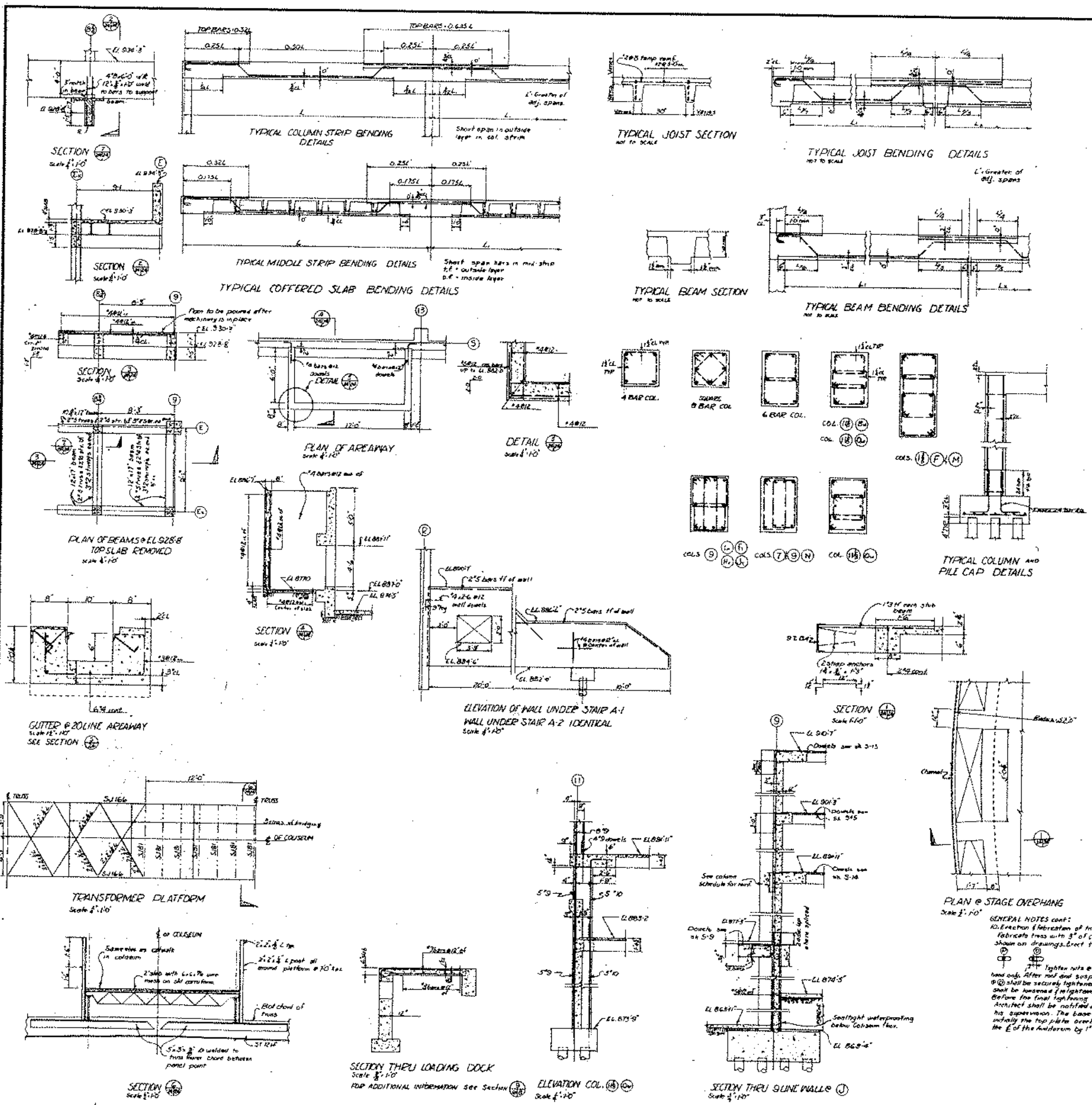
# KNOXVILLE CIVIC AUDITORIUM - COLISEUM

PAINTER, WEEKS & McCARTY
MORTON & SWEETSER
ASSOCIATED ARCHITECTS
KNOXVILLE TENNESSEE

S23

COLUMN AND BEAM SCHEDULE

S23




## JOIST SCHEDULE

| MARK | B | D | REINFORCING STR BF | REINFORCING TRUSS | REINFORCING STR TF | REMARKS |
|---|---|---|---|---|---|---|
| 2J1 | 6" | 10+2½ | 1#8 | 1#7 | 1#6 | 1#6 top face cont. |
| 2J2 | 6" | 10+2½ | 1#6 | 1#7 | | Hook ends of truss |
| 2J3 | 6" | 14+2½ | 1#7 | | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 6J8 | 5" T | 8+2½ | 1#7 | 1#7 | 1#6 | [illegible] |
| 6J9 | 5" | 8+2½ | [illegible] | [illegible] | | |
| 6J10 | 4" | 8+2½ | 1#5 | 1#5 | | |
| 6J20 | 3" T | 8+3 | [illegible] | 1#8 | 1#6 | 1#6 TF @ each end [illegible] |

Note:
The letter T in the 'B' column indicates taper both ends of joists. #2 bars @ 8" temp. reinf. in each direction in coffered slabs.

GENERAL NOTES:
1. All exposed edges of beams & columns shall have ¾" chamfer.
2. Where not shown otherwise, lap all reinforcement at splices 24 bar diameters, except coffered floor slab reinforcement lap shall be 36 bar diameters.
3. All openings in concrete walls & slabs shall have 2 #5 x 4'-0" placed diagonally at each corner. Any reinforcing cut at opening shall be replaced by an equal amount of reinforcing ½ each side of opening & of a length equal to opening plus 80 bar diameters. For 2½" slabs use #3 corner bars same length as given for #5 corner bars.
4. The contractor shall allow 3 days to elapse between adjacent pours except in base slab.
5. There shall be a keyed construction joint at center of proscenium beam.
6. Camber all beams ⅛" for each 5'-0" of clear span. Camber Coliseum cantilever arm 2". Camber Balcony cantilever arm 1". Camber Auditorium entrance canopy ¾".
7. All cast in place steps in Auditorium Balcony & Coliseum seat joists shall be of lightweight concrete.
8. Unless noted otherwise, all structural steel connections shall be designed as standard series B connections.
9. A maximum of 2 splices will be allowed in Arch 'A' & splicing shall be done in such a manner that will insure full continuity of member.

GENERAL NOTES cont:
10. Erection & fabrication of truss "M" shall be as follows: Fabricate truss with 3" of camber & 1" shorter than dimensions shown on drawings. Erect truss with anchor bolts as follows; Tighten nuts @ (P) securely, nuts @ (Q) tightened by hand only. After roof and suspended ceiling are in place, the nuts @ (Q) shall be securely tightened & locked in place & the nuts @ (P) shall be loosened & retightened by hand & locked in this position. Before the final tightening operation is started the Architect shall be notified and the work performed under his supervision. The base plates shall be set so that initially the top plate overhangs the Lubrite Plate toward the ℄ of the Auditorium by 1" @ (P) line & 2" @ (Q) line.

# KNOXVILLE CIVIC AUDITORIUM - COLISEUM

PAINTER, WEEKS & McCARTY
MORTON & SWEETSER
ASSOCIATED ARCHITECTS KNOXVILLE TENNESSEE

S24

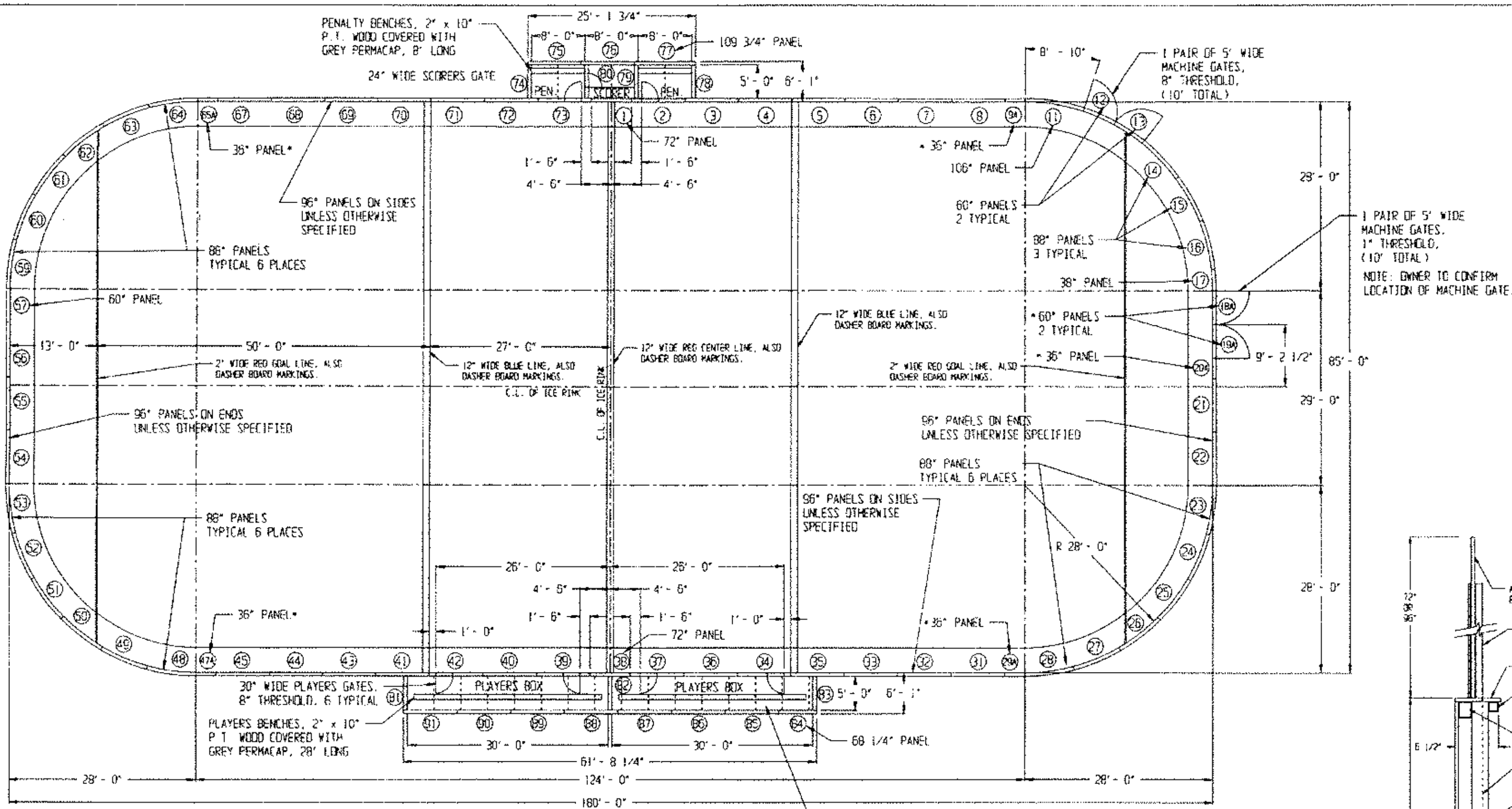
JOIST SCHEDULE & MISC DET

FAMCO Engineering, Inc.
Civil Engineers and Consultants
KNOXVILLE — TENNESSEE

DRAWN: THF
CHECKED: M.A.A.
DATE: DEC 3, 1958

S24

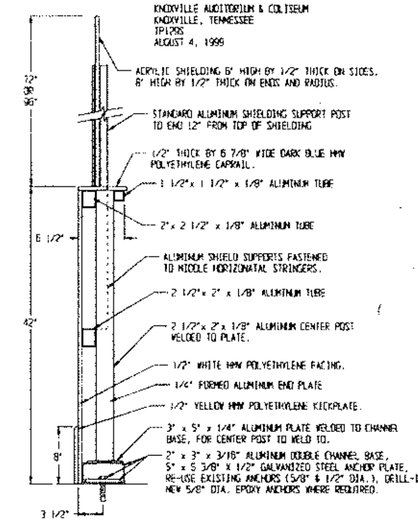
| MATERIAL LIST | |
|---|---|
| DESCRIPTION | QUANTITY |
| PANELS TO BE REMOVED: 9, 10, 19-20, 29-30, 45-47, 58, 65-66 | |
| SWITCH PANELS 41 & 42 (ADJUST BLUELINE) | |
| SWITCH PANELS 34 & 35 (ADJUST BLUELINE) | |
| NEW DASHER BOARD PANELS | |
| STRAIGHT 36" PANELS (9A, 20A, 29A, 47A, 65A) | 5 |
| STRAIGHT 60" PANELS (18A, 19A) M.G. | 2 |
| BOX BACK WALLS: 41 1/2" FRAME | |
| STRAIGHT 109 3/4" PANELS | 1 |
| STRAIGHT 96" PANELS | 9 |
| STRAIGHT 68 1/4" PANELS | 1 |
| BOX OUTSIDE WALLS: 41 1/2" FRAME | |
| STRAIGHT 60" PANELS | 4 |
| BOX DIVIDER WALLS: 34 7/8" FRAME (S11 ON FLOOR) | |
| STRAIGHT 60" PANELS | 2 |
| STRAIGHT 60" PANELS WITH 24" GATES | 1 |




NOTE:
1. CONFIRM BLUE/GOAL LINE LOCATIONS.
2. DASHER FRAME TO BE ICEPRO PRO-ELITE DASHER BOARDS, WITH DOUBLE CHANNEL BASE. PROVIDE RED/BLUE POLY INLAID LINE PER REQUIRED LOCATION.
3. DASHER FACING TO BE 1/2" WHITE POLYETHYLENE, CAPRAIL TO BE 1/2" DARK BLUE POLYETHYLENE AND 8" HIGH BY 1/2" THICK YELLOW KICKPLATE.
4. BOX AND GATE LOCATIONS TO BE CONFIRMED BY OWNER. THRESHOLD HEIGHTS TO BE CONFIRMED BY OWNER.
5. PLAYERS BENCHES AND SCORERS TABLE TO BE PROVIDED. SCORERS TABLE TO BE 1" HDPE.
6. PROVIDE FIXED 3/8" WHITE POLY BACKER PANELS WITH WATER BOTTLE SHELVES IN PLAYER AND PENALTY BOXES.
7. SUPPLY AND INSTALL TWO ADJUSTABLE LIFT-OFF HINGES PER GATE LEAF AND ONE ICEPRO SINGLE GRAVITY LATCH PER GATE. PROVIDE ICE SIDE PUSH BUTTON RELEASES ON ALL ICE SIDE PLAYER/ACCESS GATES WITH SHIELDING.
8. ACRYLIC SHIELDING ON SIDES WITH STANDARD SUPPORT, 6' HIGH BY 1/2" THICK.
9. ACRYLIC SHIELDING ON ENDS AND RADIUS WITH STANDARD SUPPORT, 8' HIGH BY 1/2" THICK.
10. PROVIDE REQUIRED SHIELD GASKETING, SUPPORT POST BRACKETS/POCKETS AND PROTECTIVE PADS AT GLASS TERMINATION POINTS. SHIELDING WILL HAVE 1" RADIUS CORNERS WITH GROUND EDGES ON TOP AND TWO SIDES.
11. SHIELDING PROVIDED EVERYWHERE EXCEPT FOR IN FRONT OF PLAYERS BOXES.

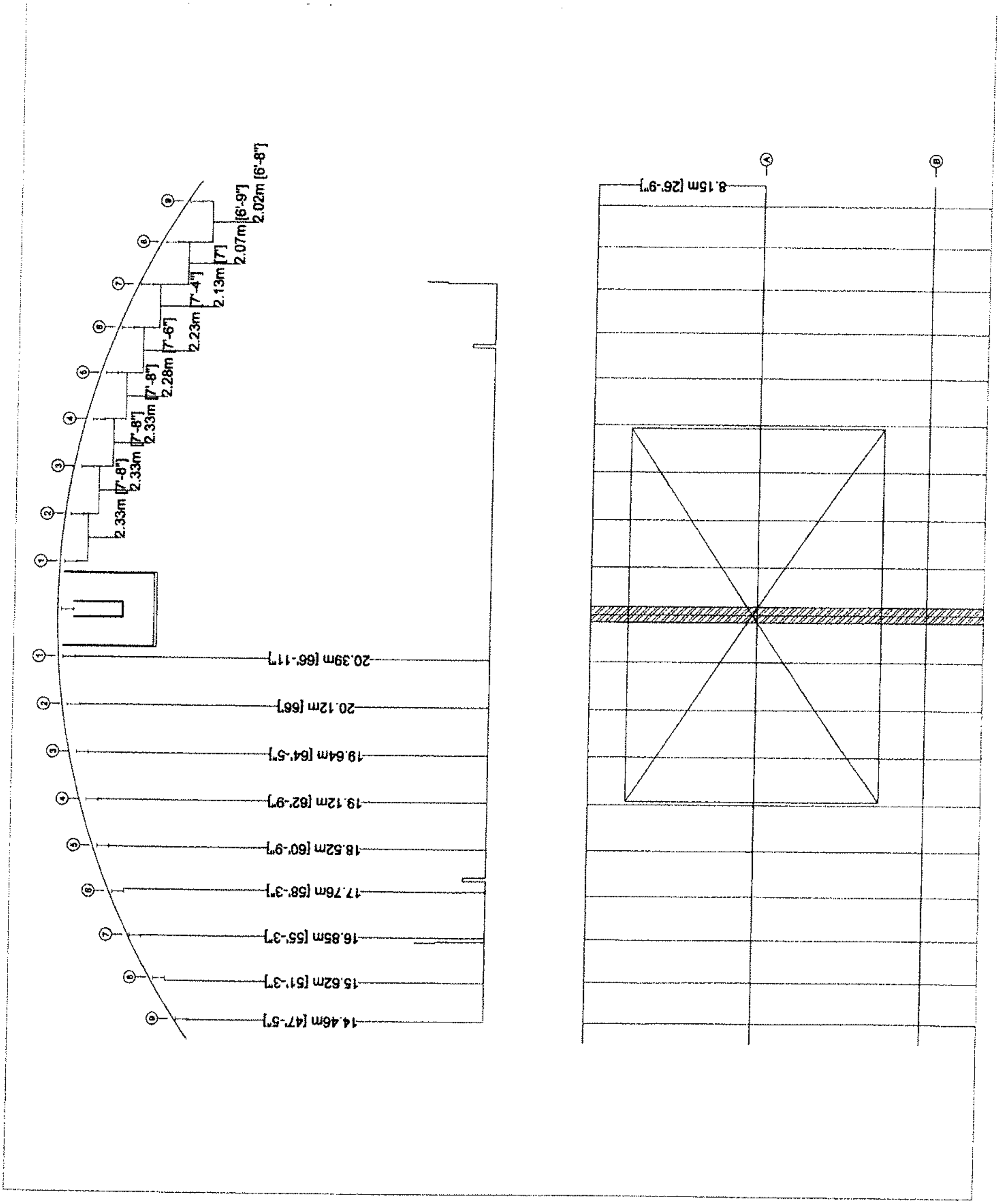
# IcePro CANADA INC.
# PRO-ELITE
# DOUBLE CHANNEL BASE
# DASHER BOARD LAYOUT

KNOXVILLE AUDITORIUM & COLISEUM
KNOXVILLE, TENNESSEE
IP129S
AUGUST 4, 1999




SECTION VIEW THRU DASHER BOARDS
SCALE 1-1/2" = 1'-0"

| IcePro CANADA INC. 2715 SLOUGH ST. MISSISSAUGA, ONTARIO L4T 1G2 | DASHER BOARD LAYOUT | DWG. NUMBER IP 129-1 OF: 2 |
|---|---|---|
| SCALE: 1/8" = 1'-0" BY: LAURIE BALL | NAME: KNOXVILLE AUDITORIUM & COLISEUM KNOXVILLE, TENNESSEE | REVISIONS: |
| DATE: AUGUST 4, 1999 CHK'D BY: | | |


2.33m [7'-8"]
2.33m [7'-8"]
2.33m [7'-8"]
2.28m [7'-6"]
2.23m [7'-4"]
2.13m [7']
2.07m [6'-9"]
2.02m [6'-8"]
20.39m [66'-11"]
20.12m [66']
19.64m [64'-5"]
19.12m [62'-9"]
18.52m [60'-9"]
17.76m [58'-3"]
16.85m [55'-3"]
15.62m [51'-3"]
14.46m [47'-5"]
8.15m [26'-9"]
A
B