

Revision  
 Date: 12/9/02 By: JMW Description: ISSUED FOR BID



**RENAUD SPIRIT CENTER**  
 For the City of O'Fallon - Missouri



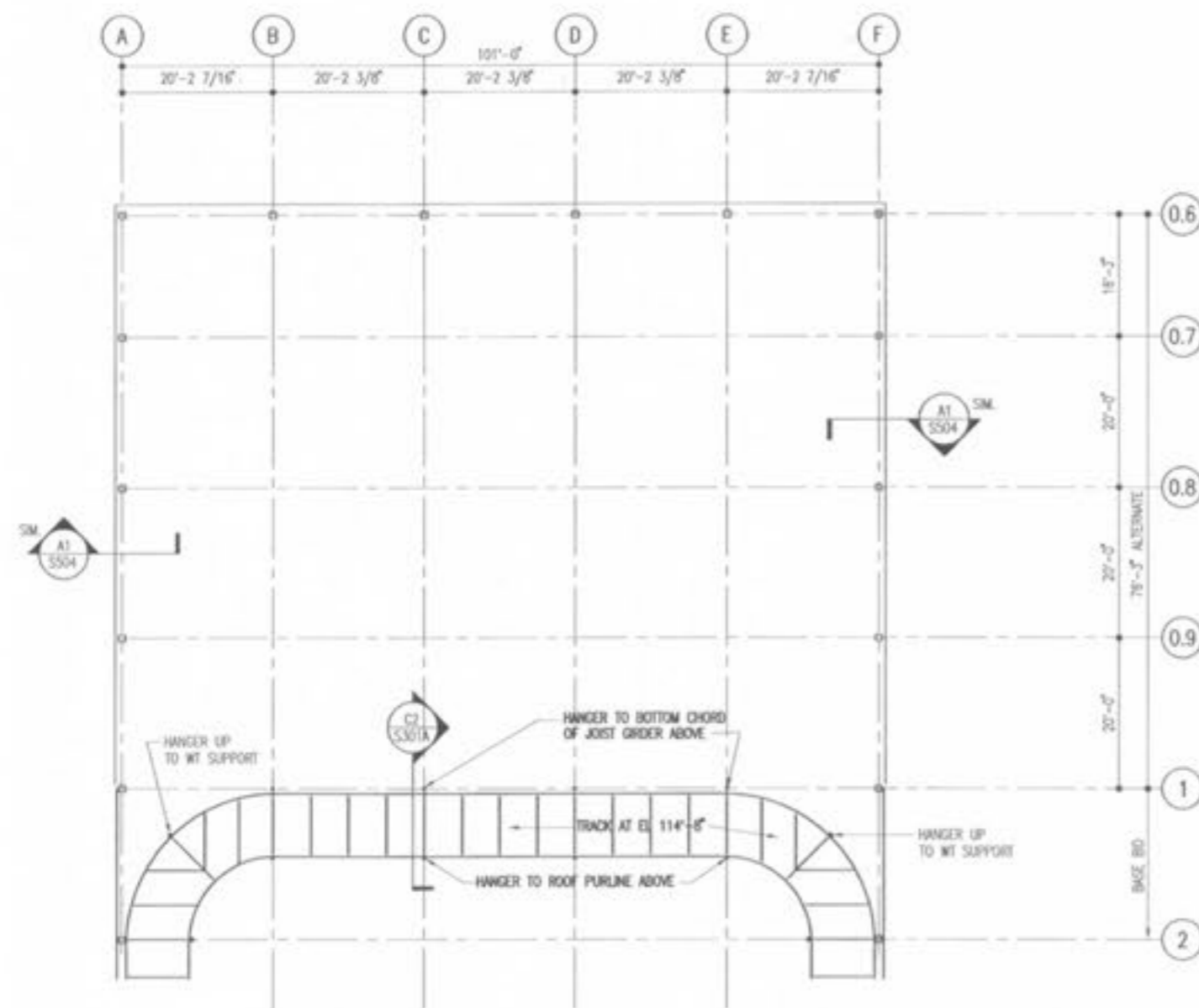
Key Plan

Scale:

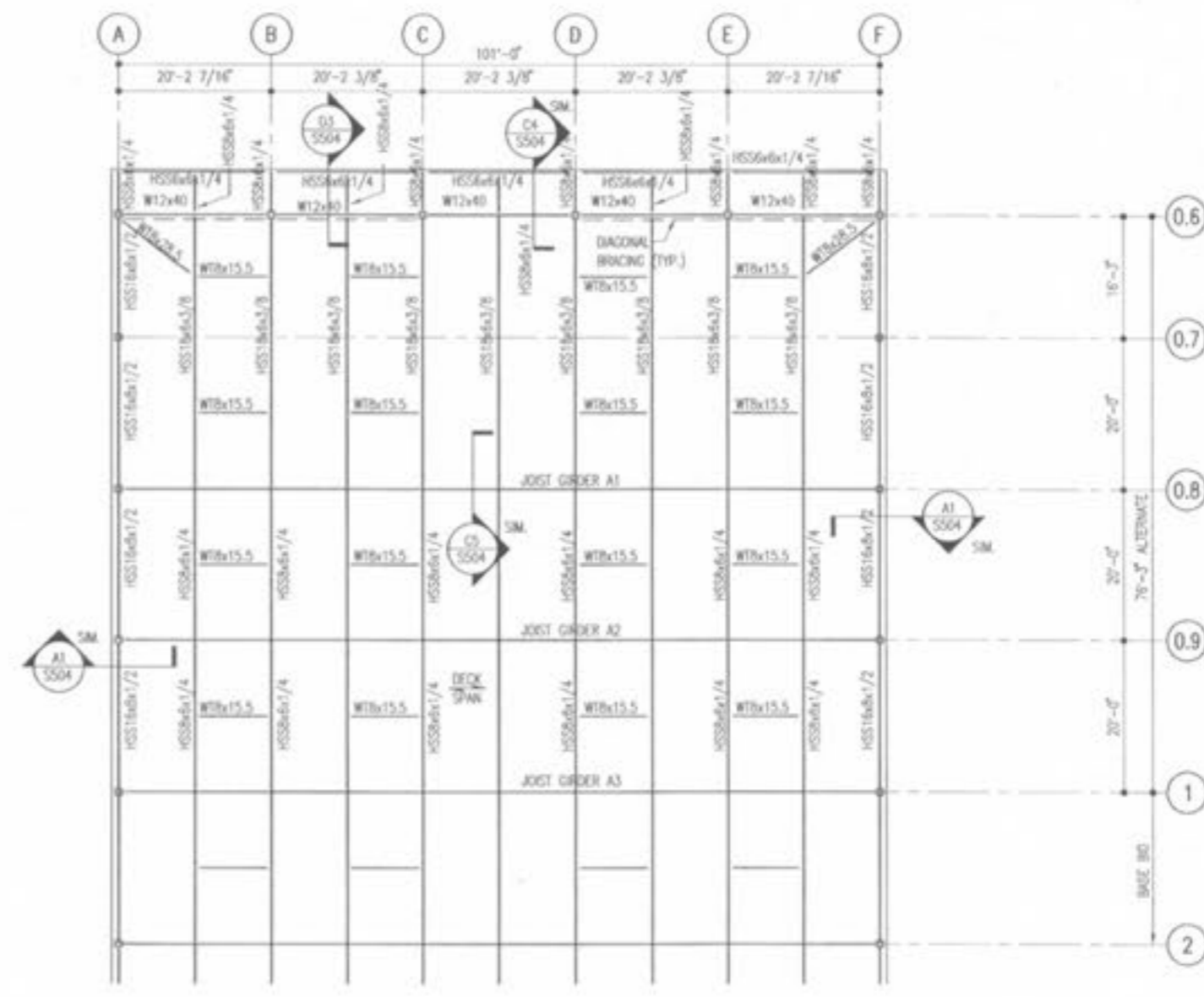
Jacobs Project No: F3940600

Drawing Title: ALTERNATE STRUCTURAL PLANS

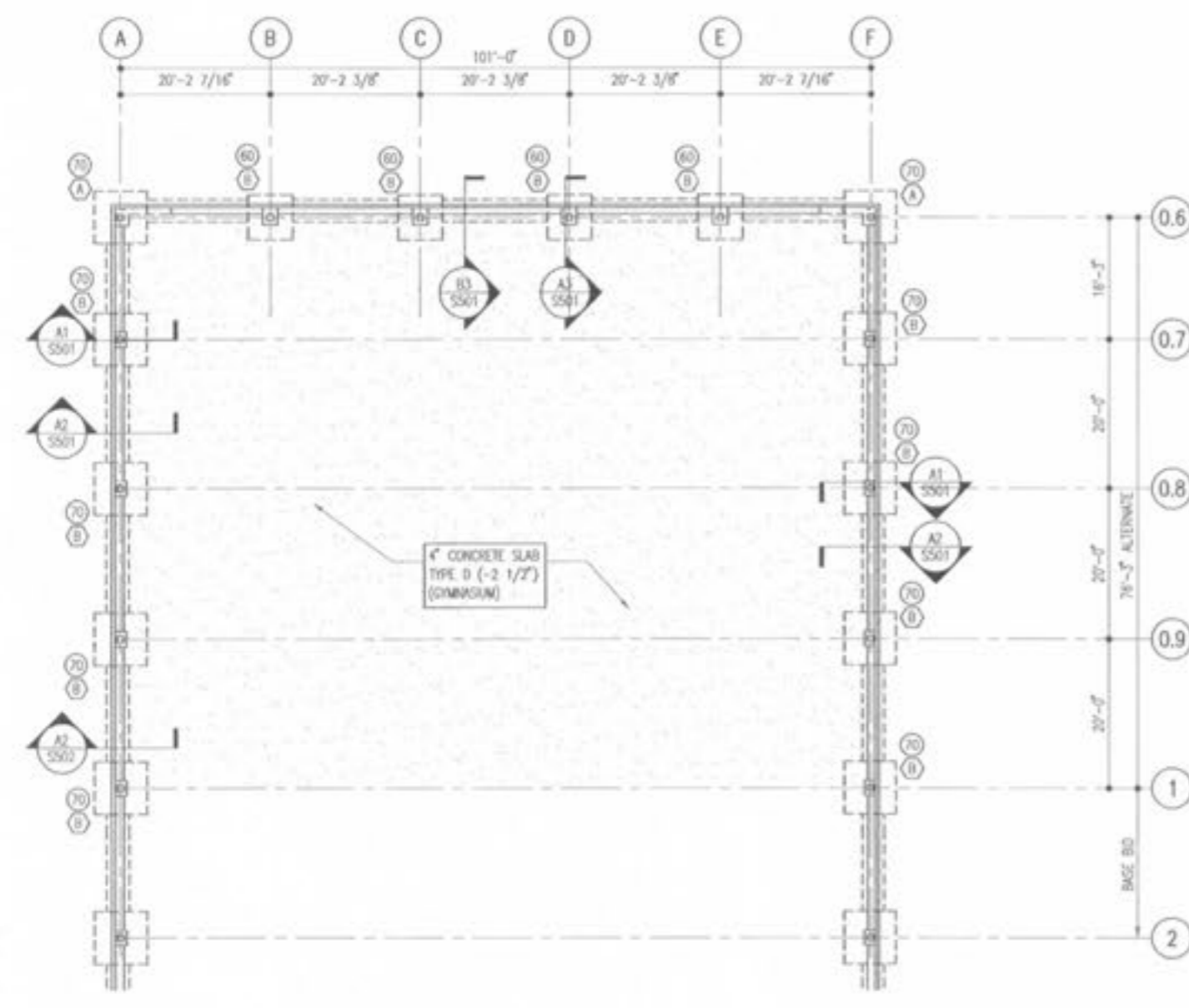
Date: DECEMBER 8, 2002  
 Designed by: JAW  
 Drawn by: JMW  
 Checked by: S201.A



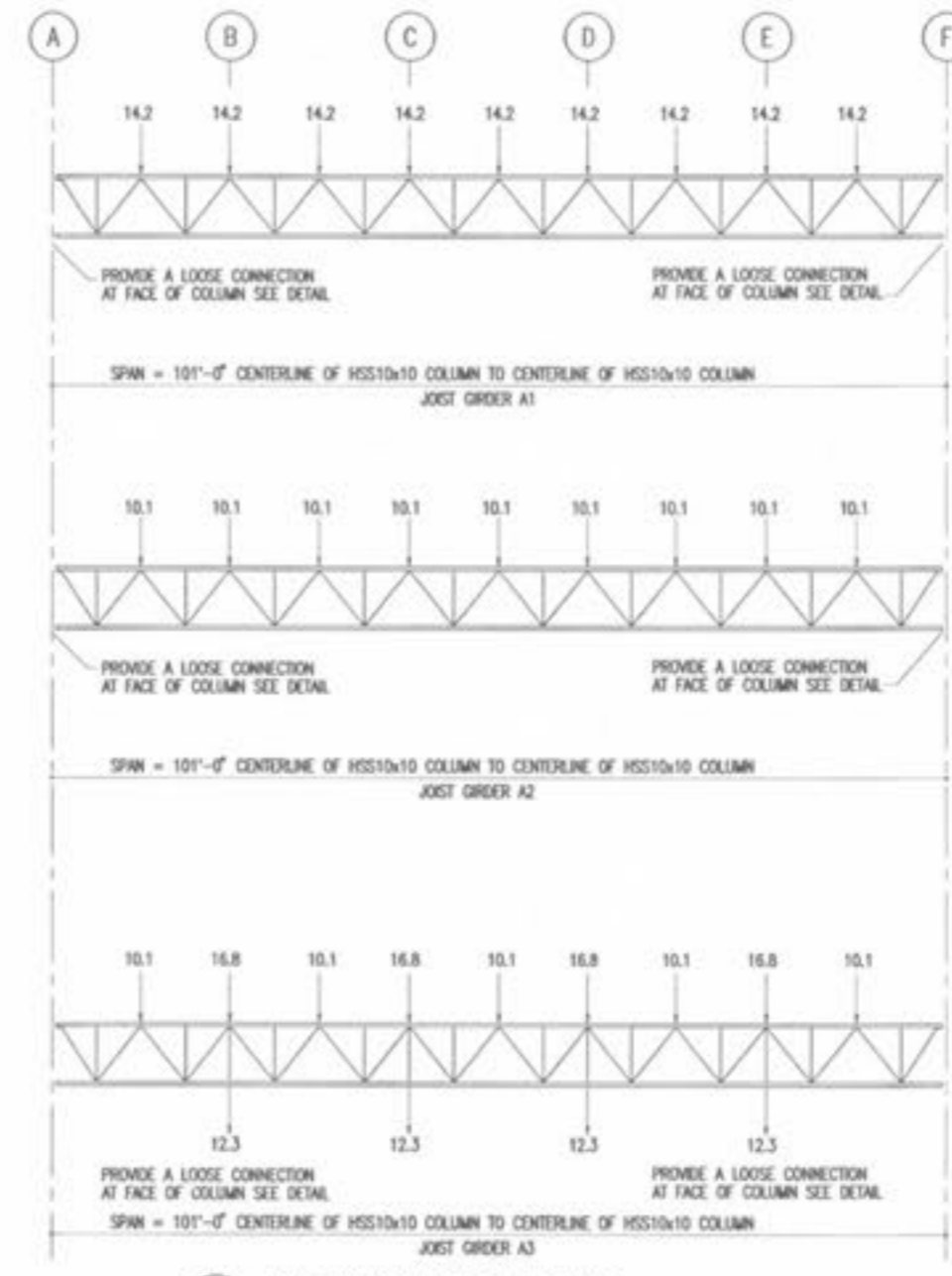
C1 ALTERNATE MEZZANINE FRAMING PLAN  
 3/32'-1'-0"



C3 ALTERNATE ROOF FRAMING PLAN  
 3/32'-1'-0"



A1 ALTERNATE FOUNDATION PLAN  
 3/32'-1'-0"



C1 JOIST GIRDERS LOADING DIAGRAMS  
 NOT TO SCALE

- NOTES:
- FOR GENERAL NOTES SEE DRAWING 5001
  - FOR TYPICAL DETAILS SEE DRAWING 5002 AND 5003
  - FOR COLUMN SCHEDULE SEE 5401
  - BOO = BOTTOM OF METAL ROOF DECK
  - METAL DECK SHALL BE 3"x22 GA ATTACH TO STRUCTURE W/ 5/8" PUDDLE WELDS W/ 3/4" PATTERN LAYOUT W/ #10 SCREW SIDE LAP FASTENERS @ 6" O.C. PROVIDE DECK WITH THE FOLLOWING MINIMUM SECTION PROPERTIES:  
 I = 0.772 in<sup>4</sup>/ft  
 S<sub>x</sub> = 0.382 in<sup>3</sup>/ft  
 S<sub>y</sub> = 0.433 in<sup>3</sup>/ft  
 F<sub>y</sub> min = 33ksi 2 SPAN CONDITION
  - THE PANEL POINT LOADS INDICATED ON THE JOIST DIAGRAMS ARE IN KIPS
  - ALL JOIST GIRDERS SHALL HAVE THE SAME CONFIGURATION
  - JOIST GIRDERS A1 AND A2 WILL HAVE 7" BEARING DEPTH
  - JOIST GIRDER A3 WILL HAVE 10" BEARING DEPTH
  - ALL JOIST ARE 94 IN UNLESS NOTED.