





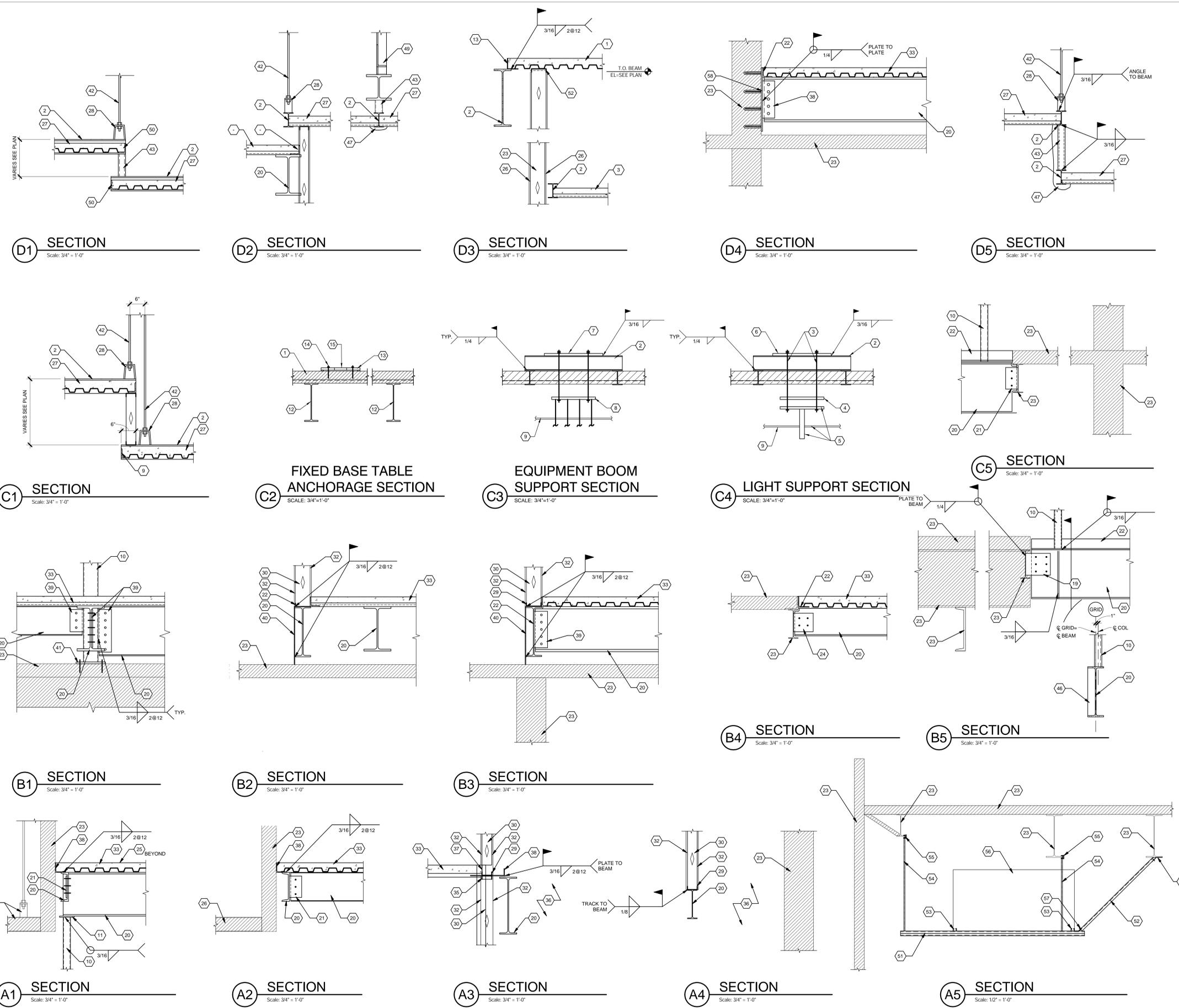


SHEET KEYNOTES

- EXISTING CONCRETE FLOOR SYSTEM
- NEW W6x9 SUPPORT BEAM BETWEEN INTERSTITIAL BEAMS
- 4/32" A325 BOLTS THRU DECK IN HOLES NO LONGER THAN 13/16" DIA. PROVIDE DOUBLE NUTS TOP & BOTTOM @ BOTTOM OF DECK
- 13.78" x 13.78" MOUNTING PLATE PROVIDED BY TRUMPF
- TRUMPF SUSPENSION TUBE PLATE & CEILING COVER
- 14"x14"x3/4" THICK SUPPORT PLATE CENTERED ON W6x9 & WELDED TO W6x9
- 24"x12"x1" THICK SUPPORT PLATE CENTERED ON W6x9 & WELDED TO W6x9
- TRUMPF EMS MOUNTING SYSTEM
- CEILING, SEE ARCHITECTURAL
- STEEL COLUMN, SEE PLAN
- 3/8" x 6" x 1'-0" CAP W/4 3/4" DIA. A325N BOLTS TO BEAM
- EXISTING STEEL BEAM
- TRUMPF LEVELING RING SET ON 1" WIDE BEARING PAD ALL AROUND
- (8) 12MM DIA. HILTI HHS STAINLESS STEEL THREADED INSERTS USING HILTI HY-150 MAX INJECTION ADHESIVE OR EQUAL
- 6" DIA. CORED HOLE
- 3/8" THICK SHEAR PLATE
- (4) 3/8" THICK STIFFENER PLATES
- HSS2x2x3/16 Fy=46ksi BRACING TUBES
- 3/8" THICK SHEAR PLATE W/2 ROWS OF 1" DIA. A325N BOLTS (6 TOTAL) TO NEW BEAM
- STEEL BEAM, SEE PLAN FOR REQUIREMENTS
- 3/8" SHEAR PLATE W/3 1" DIA. A325N BOLTS
- 1/4"x12"x4-1/2"x1/4" CONTINUOUS
- EXISTING STRUCTURE TO REMAIN
- 3/8" SHEAR PLATE W/2 ROWS OF 1" DIA. A325N BOLTS (4 TOTAL) IN SHORT SLOTTED HORIZONTAL HOLES
- 1.64x4x1/4 CONTINUOUS
- EXISTING INTERSTITIAL FLOOR DECK
- METAL DECK AND CONCRETE BETWEEN BEAMS, SEE PLAN
- 3/8"x3" BENT PLATE
- NEW CONTINUOUS 16GAGE TRACK
- STEEL STUDS, SEE PLAN
- CONT. BENT PLATE 1/4" x 4-1/2" x 4-1/2"
- SHEATHING, SEE ARCHITECTURAL
- METAL DECK WITH CONCRETE, SEE PLAN
- 1.64x1/4 CONT. W/3/4" DIA. A36 THREADED RODS EMBEDDED 6" INTO EXISTING CONCRETE WALL & EPOXY W/ EPCON A7 ADHESIVE OR EQUAL. PROVIDE 3/8" STIFFENER PLATE @ 2'-0" O.C.
- NEW CONT. 16GAGE VERTICAL DEFLECTION TRACK
- MECHANICAL CHASE
- LIGHT GAGE DECK CLOSURE
- 1/4"x3"x1'-2" LONG CONTINUOUS BENT PLATE

BEAM SIZE	BOLT SIZE	NUMBER REQUIRED
W10	1" DIA. A325N	2
W12.14	1" DIA. A325N	3
W16	1" DIA. A325N	4
W18	1" DIA. A325N	5
W21	1" DIA. A325N	6
W24	1" DIA. A325N	7
W27	1" DIA. A325N	8
W30	1" DIA. A325N	9

- 3/8" SHEAR PLATE WITH THE FOLLOWING REQUIREMENTS:
- 1/4" CONTINUOUS CLOSURE PLATE
- 3/4" DIA. x 11" x 11" BASE PLATE W/3/4" DIA. A36 THREADED RODS EMBEDDED 3" INTO EXISTING WALK & EPOXY W/ EPCON A7 ADHESIVE OR EQUAL
- 5/8" DIA. HANGER ROD W/DOUBLE NUTS
- HSS3x3x1/4 @ EACH HANGER
- 5/8"x6" BASE PLATE W/4 1/2" DIA. x 2" EMBD EXPANSION ANCHORS INTO EXISTING CONCRETE SLAB
- 3/8" CAP PLATE
- 3/8" STIFFENER PLATE FULL HEIGHT OF WEB EACH SIDE OF BEAM
- BOTTOM OF FURLIN COVERED WITH 2 HOUR FIRE PROOFING, SEE ARCHITECTURAL
- EXISTING HANGER
- STEEL TRUSS, SEE PLAN
- 1.64x3/4 LLV BETWEEN BEAMS
- UNISTRUT P1001 (1 EACH SIDE OF MECHANICAL UNIT)
- UNISTRUT P1000 BRACE PLACED AT 45 DEGREE ANGLE FROM STEEL BEAM
- UNISTRUT P1000
- 3/8" DIA. THREADED ROD FOUR LOCATIONS WITH P1007 CHANNEL NUT
- UNISTRUT F2900-50 BEAM CLAMP OR EQUAL
- MECHANICAL UNIT, SEE MECHANICAL
- UNISTRUT P1843 ADJUSTABLE HINGE AT EACH END OF BRACE WITH P1006 CHANNEL NUT
- 3/4"x19"x2" PLATE W/8 3/4" DIA. A36 THREADED RODS EMBEDDED 6" INTO EXISTING CONCRETE WALL & EPOXY W/ SIMPSON SET XP ADHESIVE OR EQUAL. CUT THREADED RODS FLUSH W/FACE OF PLATE AS REQUIRED AND WELD ROD TO PLATE



D1 SECTION Scale: 3/4" = 1'-0"

D2 SECTION Scale: 3/4" = 1'-0"

D3 SECTION Scale: 3/4" = 1'-0"

D4 SECTION Scale: 3/4" = 1'-0"

D5 SECTION Scale: 3/4" = 1'-0"

C1 SECTION Scale: 3/4" = 1'-0"

C2 SECTION SCALE: 3/4"=1'-0" FIXED BASE TABLE ANCHORAGE SECTION

C3 SECTION SCALE: 3/4"=1'-0" EQUIPMENT BOOM SUPPORT SECTION

C4 SECTION SCALE: 3/4"=1'-0" LIGHT SUPPORT SECTION

C5 SECTION Scale: 3/4" = 1'-0"

B1 SECTION Scale: 3/4" = 1'-0"

B2 SECTION Scale: 3/4" = 1'-0"

B3 SECTION Scale: 3/4" = 1'-0"

B4 SECTION Scale: 3/4" = 1'-0"

B5 SECTION Scale: 3/4" = 1'-0"

A1 SECTION Scale: 3/4" = 1'-0"

A2 SECTION Scale: 3/4" = 1'-0"

A3 SECTION Scale: 3/4" = 1'-0"

A4 SECTION Scale: 3/4" = 1'-0"

A5 SECTION Scale: 1/2" = 1'-0"

CONSULTANTS:

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Drawing Title

FRAMING SECTIONS

Approved: Project Director

Project Title

AMBULATORY SURGERY EXPANSION

Project Number

501-320

Building Number

Location

Date

April 23, 2011

Checked

Drawn

Drawing Number

**S302**

Dwg. Of

Office of Construction and Facilities Management

Department of Veterans Affairs

COMPLETION ITEM NO. \_\_\_\_\_ FULLY SPRINKLERED

three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarter inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighths inch = one foot

**GENERAL NOTES**

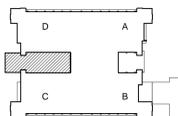
**SHEET KEYNOTES**

1. W33x118 Fy=50ksi STEEL BEAM
2. 1 1/2" 18 GAGE VL TYPE FLOOR DECK WITH 3" OF NORMAL WEIGHT CONCRETE (4-1/2" TOTAL THICKNESS) W/6x6 W2.1 x W2.1 WWF CENTERED IN CONCRETE. PROVIDE #12 TEK SCREWS IN 36x36 PATTERN TO SUPPORTS AND #10 TEK SCREWS @ 12" O.C. @ SIDELAPS. MINIMUM DECK PROPERTIES +1=0.282in, +0.295in, +S=0.315in, -S=0.327in. ATTACH WITH 36/7 PATTERN OF #12 TEK SCREWS @ SUPPORTS AND BOUNDARIES AND (11) #10 TEK SCREWS @ SIDE LAPS. MAINTAIN 2 SPAN MINIMUM.
3. EXISTING 14x22 STEEL BEAM
4. TYPICAL BEAM SPLICE AS REQUIRED. SEE SECTION C5/S301
5. EXISTING W14x132 STEEL COLUMN
6. EXISTING W14x176 STEEL COLUMN
7. EXISTING W14x257 STEEL COLUMN
8. OPENING IN DECK. SEE DECK PENETRATION DETAIL ON SHEET S001
9. 1-5/8" x 6" x 20GAGE STEEL STUDS @ 16" O.C. SEE ARCHITECTURAL FOR SHEATHING REQUIREMENTS
10. NEW MECHANICAL UNIT. PROVIDE L4x4x1/4 CONTINUOUS @ ALL EDGES OF MECHANICAL UNIT. PROVIDE FRAMING PER DECK PENETRATION DETAIL ON SHEET S001 FOR ANY PENETRATIONS THRU DECK. PROVIDE POSITIVE ATTACHMENT TO SUPPORT PER MANUFACTURER
11. W16x31 Fy=50ksi
12. W16x26 Fy=50ksi STEEL BEAM
13. W6x9 STEEL BEAM Fy=50ksi @ 7'-6" O.C.s TO MATCH BEAM SPACING ABOVE
14. W12x14 STEEL BEAM Fy=50ksi
15. W21x44 Fy=50ksi STEEL BEAM @ SPACING SHOWN
16. W21x55 Fy=50ksi STEEL BEAM
17. W21x44 Fy=50ksi STEEL BEAM
18. STEEL TRUSS. SEE A2/S201
19. W12x50 Fy=50ksi STEEL BEAM
20. EXISTING W14x159 STEEL COLUMN
21. (21)-5/8"x8" x 18GA STUD HEADER BEAM
22. EXISTING W14x109 STEEL COLUMN
23. EXISTING W14x90 STEEL COLUMN
24. EXISTING STEEL BAR JOISTS
25. EXISTING W10x99 STEEL BEAM
26. EXISTING STEEL COLUMN
27. W12x16 Fy=50ksi STEEL BEAM
28. EXISTING W27x84 STEEL BEAM
29. EXISTING W16x6 INTERSTITIAL BEAM
30. EXISTING INTERSTITIAL JOIST FRAMING
31. PROVIDE C6x8.2 FRAMING @ EDGES OF NEW MECHANICAL UNIT. EXTEND CHANNELS OVER (4) JOIST MINIMUM SEE B2/S301. PROVIDE ANGLE FRAMING PER DECK PENETRATION DETAIL ON SHEET S001 @ NEW OPENINGS
32. EXISTING METAL DECK
33. EXISTING STUD WALL TO REMAIN
34. NEW STEEL COLUMN. SEE SHEET S401 FOR REQUIREMENTS
35. EXISTING W10x118 STEEL BEAM
36. EXISTING W12x14 STEEL BEAM
37. EXISTING W24x76 STEEL BEAM
38. EXISTING W27x84 STEEL BEAM
39. C12x30. SEE B5/S301
40. EXISTING C12x30
41. EXISTING W33x118 STEEL BEAM
42. 1-1/2" 18 GAGE VL TYPE FLOOR DECK WITH 2-1/2" OF NORMAL WEIGHT CONCRETE (4" TOTAL THICKNESS) W/6x6 W2.1 x W2.1 WWF CENTERED IN CONCRETE. MINIMUM DECK PROPERTIES +1=0.282in, +0.295in, +S=0.315in, -S=0.327in. ATTACH WITH 36/7 PATTERN OF #12 TEK SCREWS @ SUPPORTS AND BOUNDARIES AND (11) #10 TEK SCREWS @ SIDE LAPS. MAINTAIN 2 SPAN MINIMUM.
43. C12x30
44. W12x19 Fy=50ksi STEEL BEAM
45. LIGHT GAGE HEADER BEAM. SEE EXTERIOR NON-LOAD BEARING HEADER DETAIL S-001
46. SEE EXISTING CONCRETE SHEARWALL MODIFICATION DETAIL FOR REQUIREMENTS ON SHEET S-001
47. EXISTING CONCRETE SHEAR WALL. SHEAR WALL WILL BE SAW CUT TO PRODUCE THREE SEGMENTS OF SHEAR WALL IN LIEU OF THE CURRENT ONE LONG SEGMENT
48. W18x40 Fy=50ksi STEEL BEAM
49. W14x99 Fy=50ksi STEEL BEAM
50. W14x43 Fy=50ksi STEEL BEAM
51. W16x57 Fy=50ksi STEEL BEAM
52. HSS66x51/6 Fy=46ksi STEEL COLUMN
53. HSS55x1/4 Fy=46ksi STEEL COLUMN
54. HSS36x1/4 Fy=46ksi STEEL COLUMN
55. W18x86 Fy=50ksi STEEL BEAM
56. W18x106 Fy=50ksi STEEL BEAM
57. NEW MEDICAL EQUIPMENT. SEE SHEET S302 FOR FRAMING REQUIREMENTS
58. CONTRACTOR TO VERIFY EXISTING 2ND FLOOR SLAB LEVELNESS AND USE SELF LEVELING FLOOR COMPOUND TO ACHIEVE FLAT SURFACE
59. UNISTRUT P1001
60. 3/8" DIA. THREADED ROD FOUR LOCATIONS WITH P1007 CHANNEL NUT
61. MECHANICAL UNIT. SEE MECHANICAL
62. UNISTRUT P1000
63. UNISTRUT P1000 BRACE AT 45 DEGREE ANGLE FROM STEEL BEAM
64. UNISTRUT P2967A-12
65. MECHANICAL UNIT, MAX WEIGHT 1100lbs. SEE MECHANICAL
66. UNISTRUT P1843 ADJUSTABLE HINGE AT EACH END OF BRACE WITH P1006 CHANNEL NUT
67. STEEL BEAM. SEE PLAN FOR REQUIREMENTS
68. METAL DECK WITH CONCRETE. SEE PLAN
69. BENT PLATE 1/4"x4"x9" L/H CONT.
70. 16GA CONT. TRACK
71. SHEATHING. SEE ARCH
72. STEEL STUDS. SEE PLAN
73. 16GA VERTICAL DEFLECTION TRACK

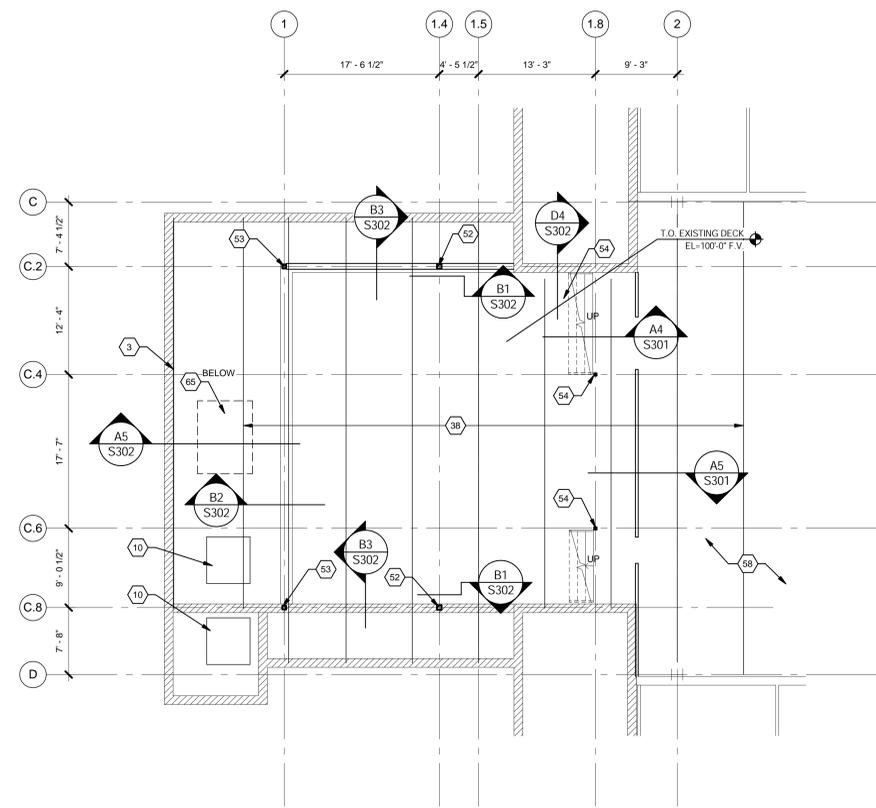
**LEGEND**

- EXISTING CONCRETE WALL
- 1-5/8" x 6" x 20GAGE STEEL STUDS @ 16" O.C.
- RAISED INTERSTITIAL FLOOR AREA
- FIELD VERIFY

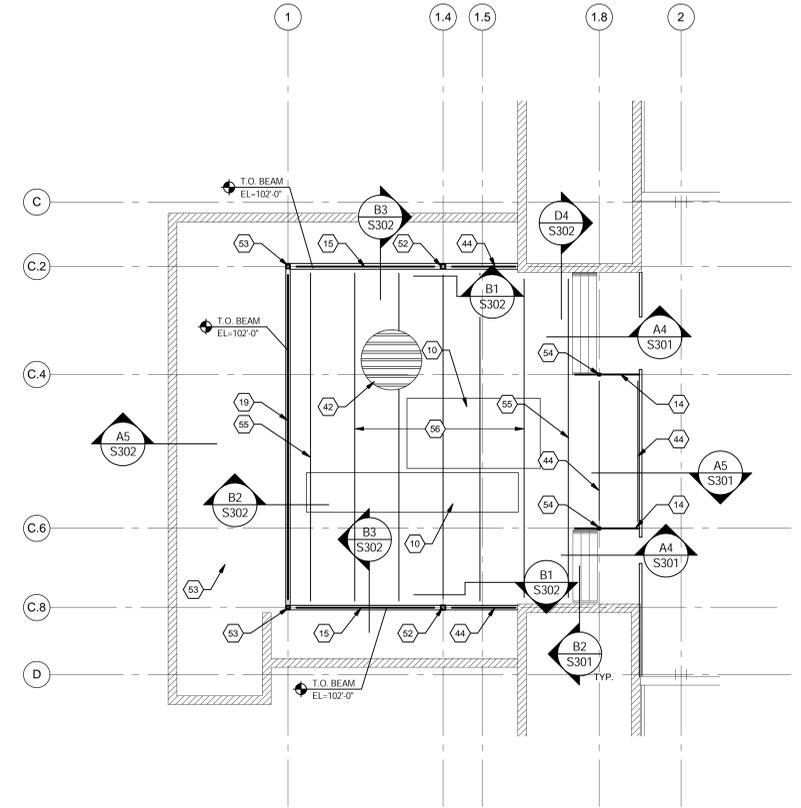
**KEY PLAN 2ND FLOOR**



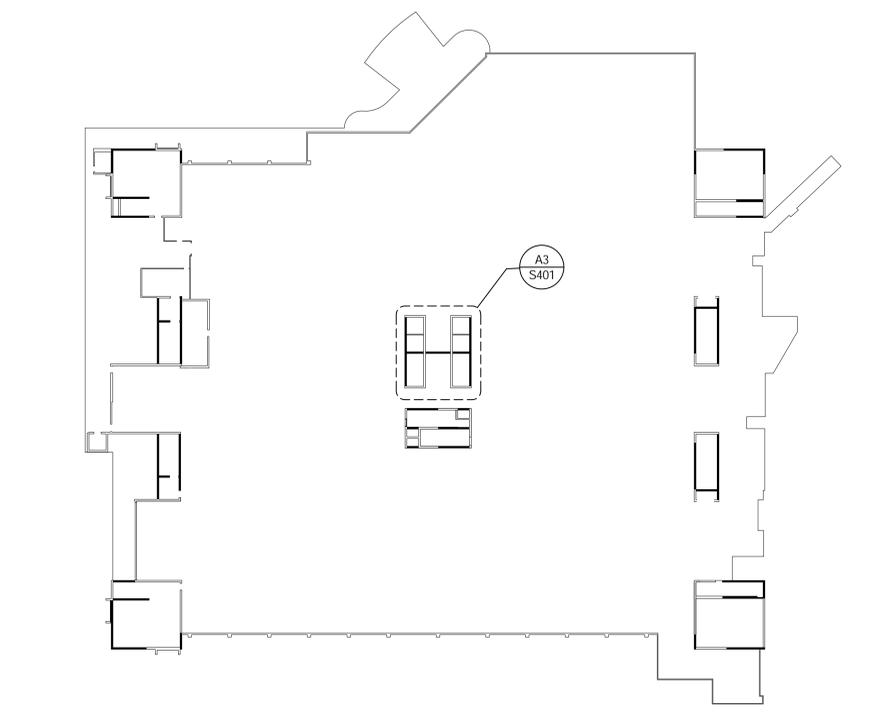
COMPLETION ITEM NO. \_\_\_\_\_  
FULLY SPRINKLERED



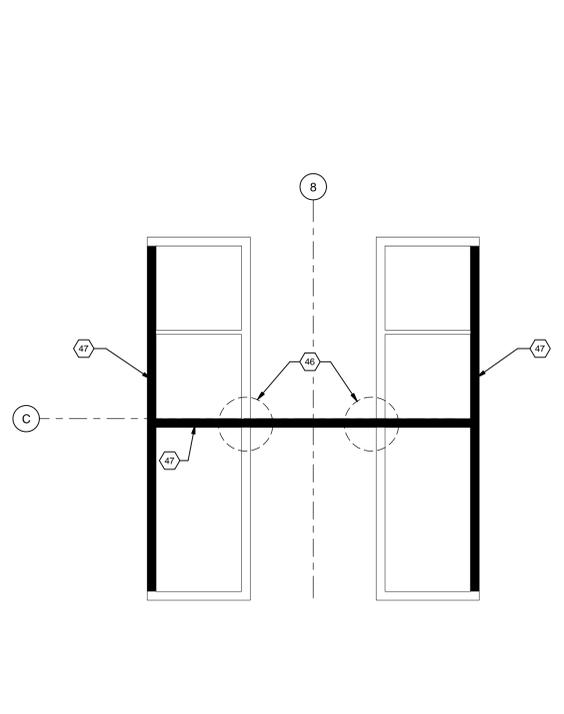
**C1 EXISTING 2ND FLOOR FRAMING PLAN**  
Scale: 1/8" = 1'-0"



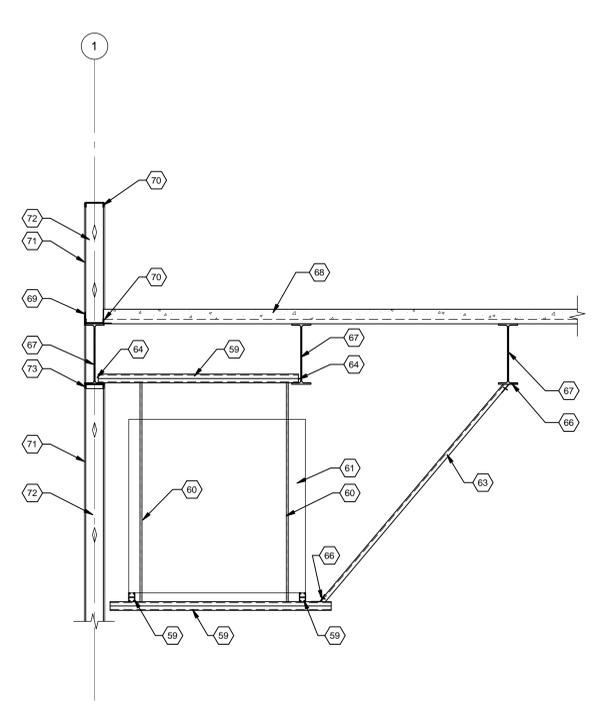
**C3 2ND FLOOR MECHANICAL PLATFORM FRAMING PLAN**  
Scale: 1/8" = 1'-0"



**A1 LATERAL SYSTEM MODIFICATION KEY PLAN**  
Scale: 1" = 40'-0"



**A3 MAIN ELEVATOR TOWERS RETROFIT WORK AREA PLAN**  
Scale: 1/8" = 1'-0"



**A4 SECTION**  
Scale: 1/2" = 1'-0"

#	Revisions	Date

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Architect

Drawing Title	Project Number
EXISTING 2ND FLOOR FRAMING PLAN PLATFORM FRAMING PLAN	501-320
Approved: Project Director	Building Number
Date	Checked
April 23, 2011	
	Drawn

Project Title	Project Number
AMBULATORY SURGERY EXPANSION	501-320
Location	Building Number
Date	Checked
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	Drawn

Office of  
**Construction and Facilities Management**

Department of  
**Veterans Affairs**







