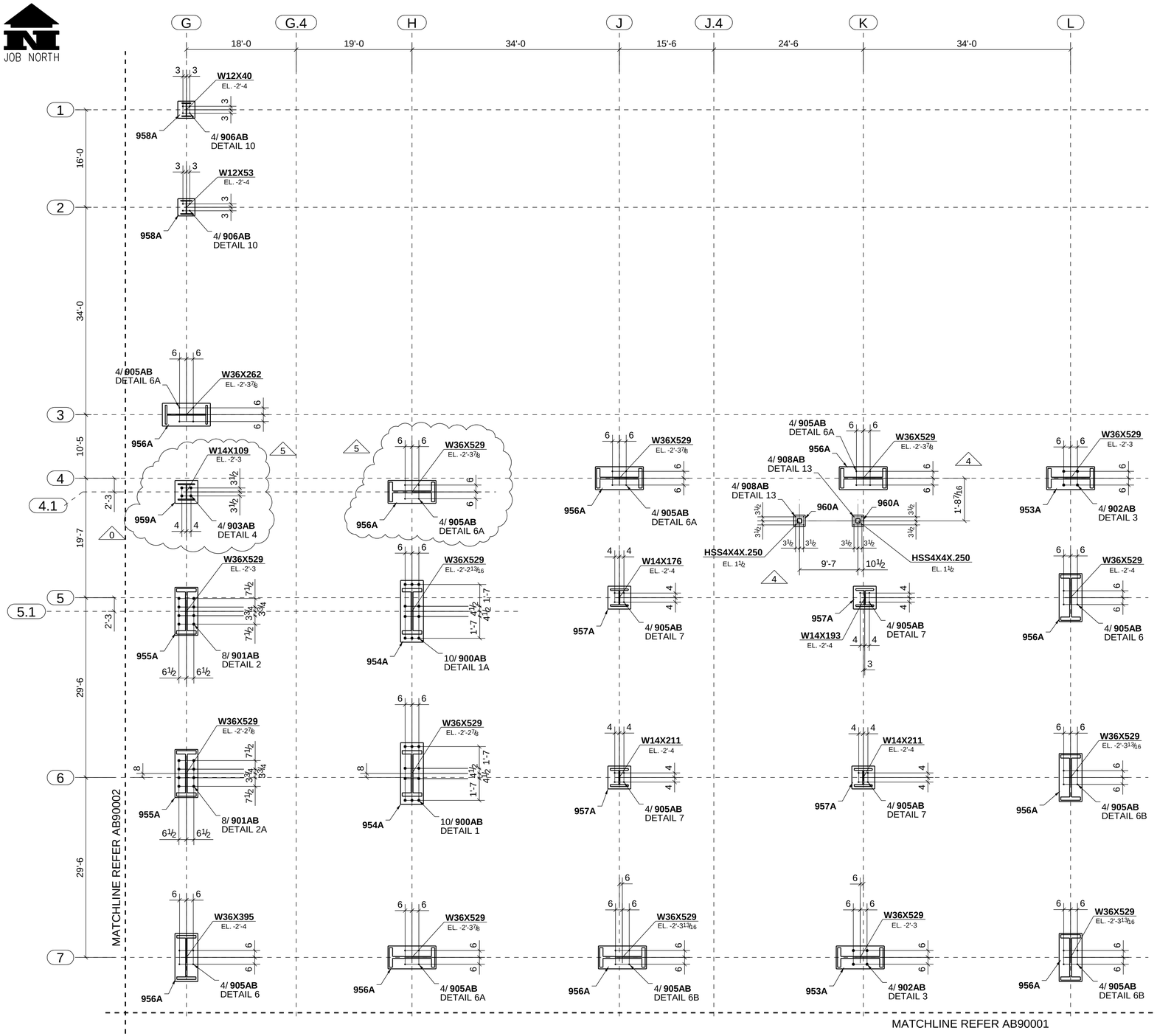
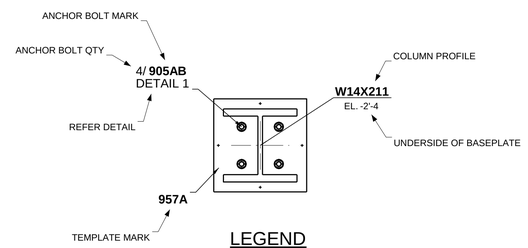




LEGEND

ANCHOR BOLT PLAN - AREA 'D'

REFER DRG AB90005 FOR DETAILS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

5	11/20/2009	DETAIL LOCATION CORRECTED
4	10/27/2009	DIMENSIONS REVISED (BDS X3.005)
3	10/08/2009	LEVEL & DETAIL REFERENCE REVISED
2	10/07/2009	LEVELS & DETAIL REFERENCES REVISED
1	10/05/2009	DETAIL REFERENCES REVISED (BDS X2.007)
0	09/28/2009	ISSUED FOR CONSTRUCTION
A	07/08/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.0D

MADE BY: ELB | CHECKED BY: WJ | DATE: 07/07/2009

DETAILS OF: ANCHOR BOLT PLAN - AREA 'D'

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		1	5

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90000

"As Built Schuff Steel" 05-10-12

"As Built Schuff Steel"
05-10-12

JOB NORTH

MATCHLINE REFER AB90000

MATCHLINE REFER AB90003

7 · 8 · 9 · 9.5 · 10 · 11 · 11.9 · 12 · 13

29'-6 · 29'-6 · 14'-9 · 14'-9 · 29'-6 · 29'-0 · 29'-0 · 3'-0 · 15'-0

G · G.4 · H · J · J.4 · K · L

18'-0 · 19'-0 · 34'-0 · 15'-6 · 24'-6 · 34'-0

W36X395 EL. -2'-4 — 956A — 4/ 905AB DETAIL 6
W36X529 EL. -2'-4 — 956A — 4/ 905AB DETAIL 6
W14X211 EL. -2'-4 — 957A — 4/ 905AB DETAIL 7
W14X233 EL. -2'-4 — 957A — 4/ 905AB DETAIL 7
W36X529 EL. -2'-4 — 956A — 4/ 905AB DETAIL 6

W36X395 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6
4/ 905AB DETAIL 6 — 956A — W36X529 EL. -4'-4
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6

W14X283 EL. -4'-4 — 957A — 4/ 905AB DETAIL 7
4/ 905AB DETAIL 7 — 957A — W14X283 EL. -4'-4 — $10\frac{1}{4}$

W36X262 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6
W14X82 EL. -4'-4 — 957A — 4/ 907AB DETAIL 8
$20'-11\frac{1}{8}$ · $3'-6\frac{7}{8}$
W14X82 EL. -4'-4 — 957A — 4/ 907AB DETAIL 8
$2'-4\frac{7}{16}$ · 956A — W36X529 EL. -4'-4 — 4/ 905AB DETAIL 6 · $2'-4\frac{1}{2}$ · 12 · $13\frac{13}{16}$

4/ 906AB DETAIL 10 — W12X40 EL. -4'-4 — 958A
956A — 4/ 905AB DETAIL 6 — W36X529 EL. -4'-4
W14X311 EL. -4'-4 — 957A — 4/ 905AB DETAIL 7
$17'-6\frac{3}{4}$ · $6'-11\frac{1}{4}$
W14X211 EL. -4'-4 — 4/ 905AB DETAIL 7 — 957A
$26'-10\frac{1}{2}$ · $7'-1\frac{1}{2}$
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6 · 12 · $1\frac{1}{2}$ · $4'-1\frac{3}{16}$ · $21'-10\frac{3}{16}$

4/ 908AB DETAIL 13 — HSS4X4X.250 EL. -1'-10½ — 960A — HSS4X4X.250 EL. -1'-10½ — 960A — 4/ 908AB DETAIL 13 · 6'-2 · 2'-3
$17'-0\frac{3}{8}$
W36X529 EL. -4'-3 — 4/ 902AB DETAIL 3 — 953A
$10'-9\frac{7}{8}$ · $13'-8\frac{1}{8}$
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6
W36X529 EL. -4'-4 — 956A — 4/ 905AB DETAIL 6 · 12 · 3 · $8'-2\frac{11}{16}$ · $9'-9\frac{9}{16}$

4/ 904AB DETAIL 5 — W21X147 EL. -4'-3 — 952A
W21X147 EL. -4'-3 — 952A — 4/ 904AB DETAIL 5
$19'-9\frac{5}{8}$ · $14'-2\frac{3}{8}$

ANCHOR BOLT PLAN - AREA 'A'
REFER DRG AB90005 FOR DETAILS

ANCHOR BOLT MARK
ANCHOR BOLT QTY
4/ 905AB DETAIL 1
REFER DETAIL
COLUMN PROFILE
W14X211 EL. -2'-4
UNDERSIDE OF BASEPLATE
957A
TEMPLATE MARK

LEGEND

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	01/19/2010	LEVELS REVISED
3	10/27/2009	DIMENSIONS REVISED (BDS X3.005)
2	10/19/2009	DIMENSIONS REVISED (BDS X3.005)
1	10/05/2009	DETAIL REFERENCES REVISED (BDS X2.007)
0	09/28/2009	ISSUED FOR CONSTRUCTION
A	07/08/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.0A

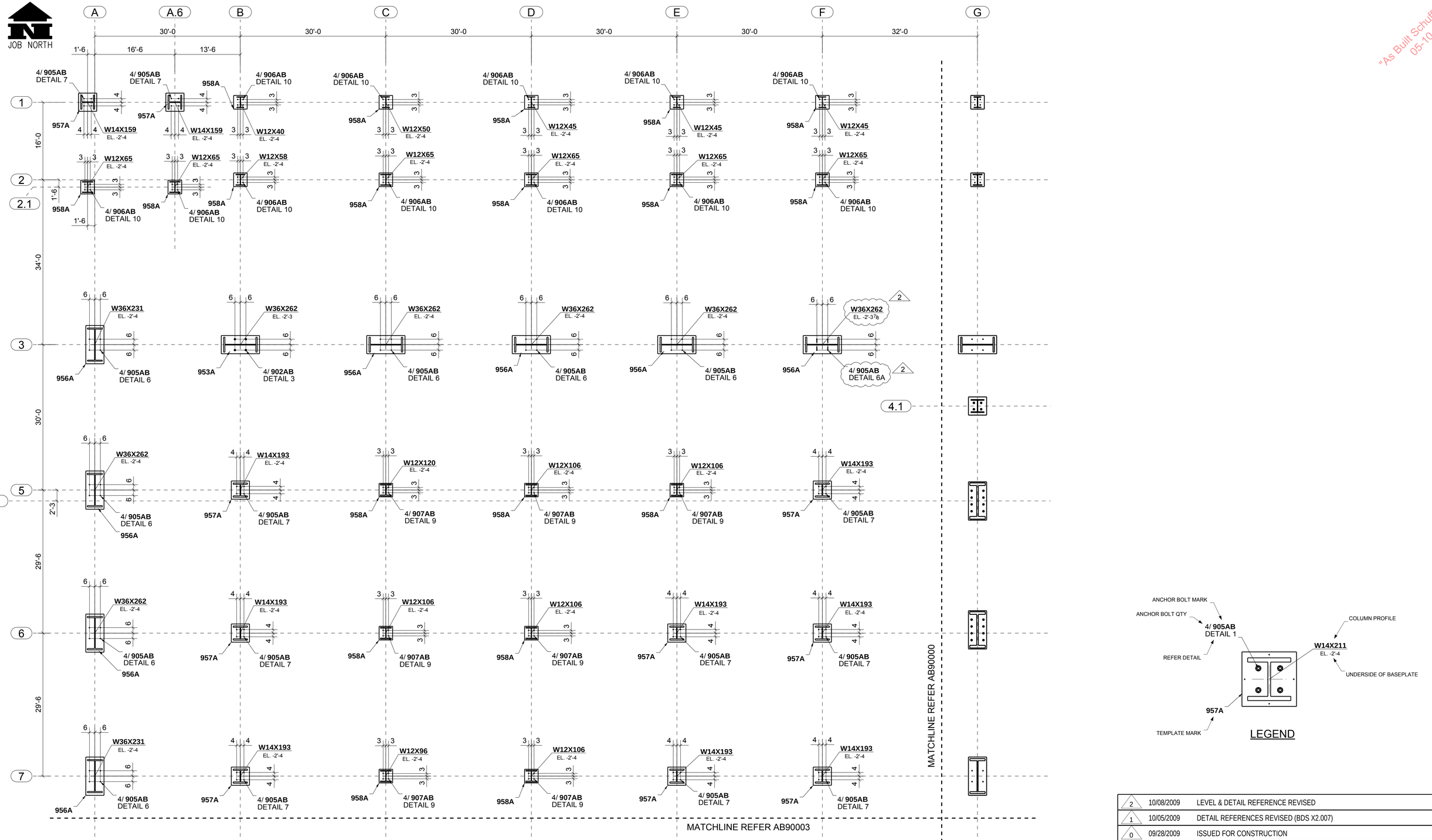
MADE BY: ELB | CHECKED BY: WJ | DATE: 07/07/2009

DETAILS OF: ANCHOR BOLT PLAN - AREA 'A'
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		2	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90001

MODEL NAME: 2352_001_131 PLOTTED: 03:25:59pm 01/19/2010



ANCHOR BOLT PLAN - AREA 'C'

REFER DRG AB90005 FOR DETAILS

LEGEND

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/08/2009	LEVEL & DETAIL REFERENCE REVISED
1	10/05/2009	DETAIL REFERENCES REVISED (BDS X2.007)
0	09/28/2009	ISSUED FOR CONSTRUCTION
A	07/08/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.0C

MADE BY: ELB | CHECKED BY: WJ | DATE: 07/07/2009

DETAILS OF: ANCHOR BOLT PLAN - AREA 'C'

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

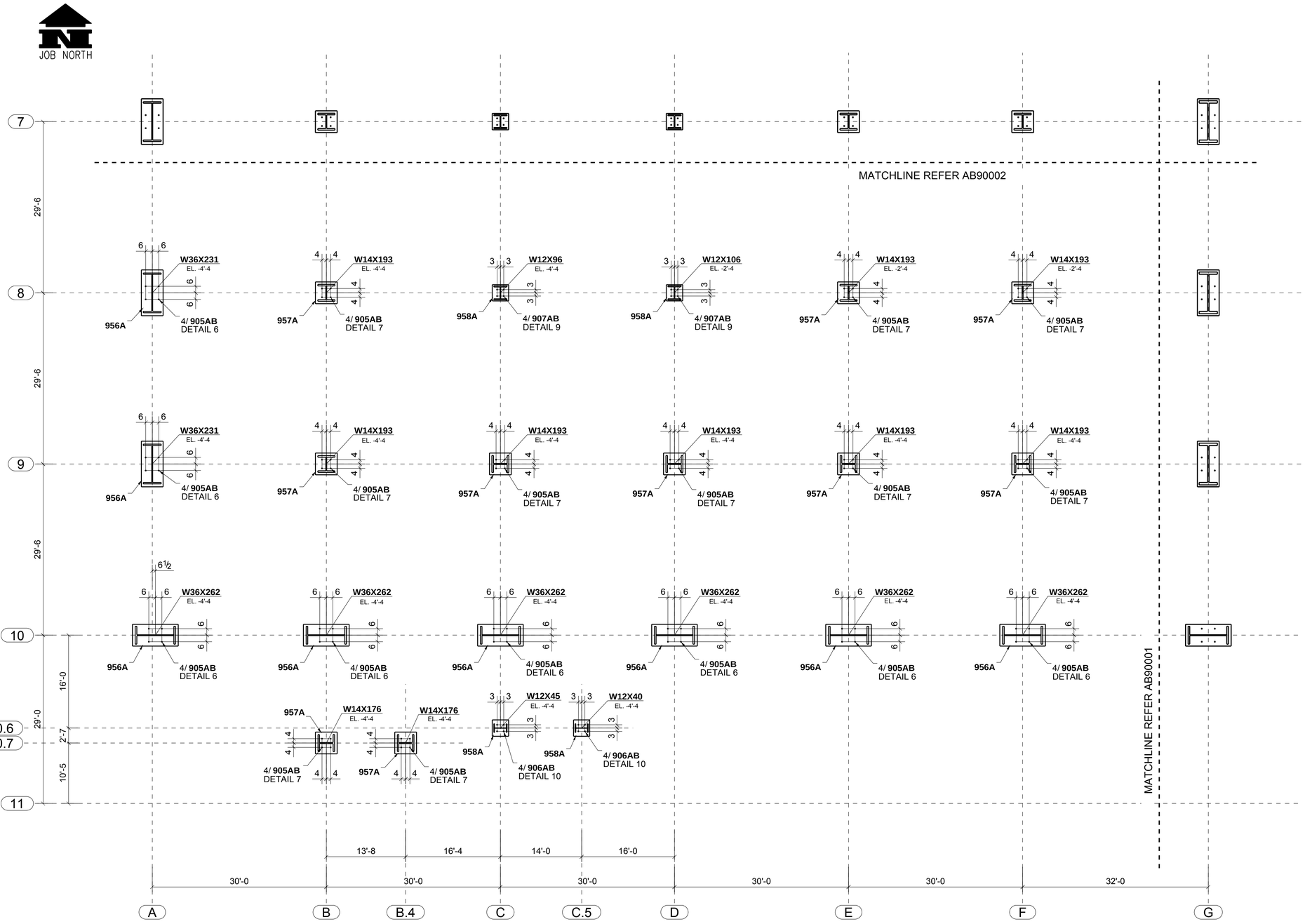
M	C	H	SEQ	REV
	X		3	2

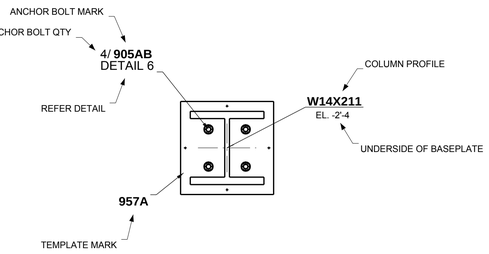
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90002

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 09:50:24am 10/09/2009

"As Built Schuff Steel"
05-10-12





LEGEND

ANCHOR BOLT PLAN - AREA 'B'

REFER DRG AB90005 FOR DETAILS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	10/05/2009	DETAIL REFERENCES REVISED (BDS X2.007)
0	09/28/2009	ISSUED FOR CONSTRUCTION
A	07/08/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.0B

MADE BY: SC | CHECKED BY: WJ | DATE: 07/07/2009

DETAILS OF: ANCHOR BOLT PLAN - AREA 'B'

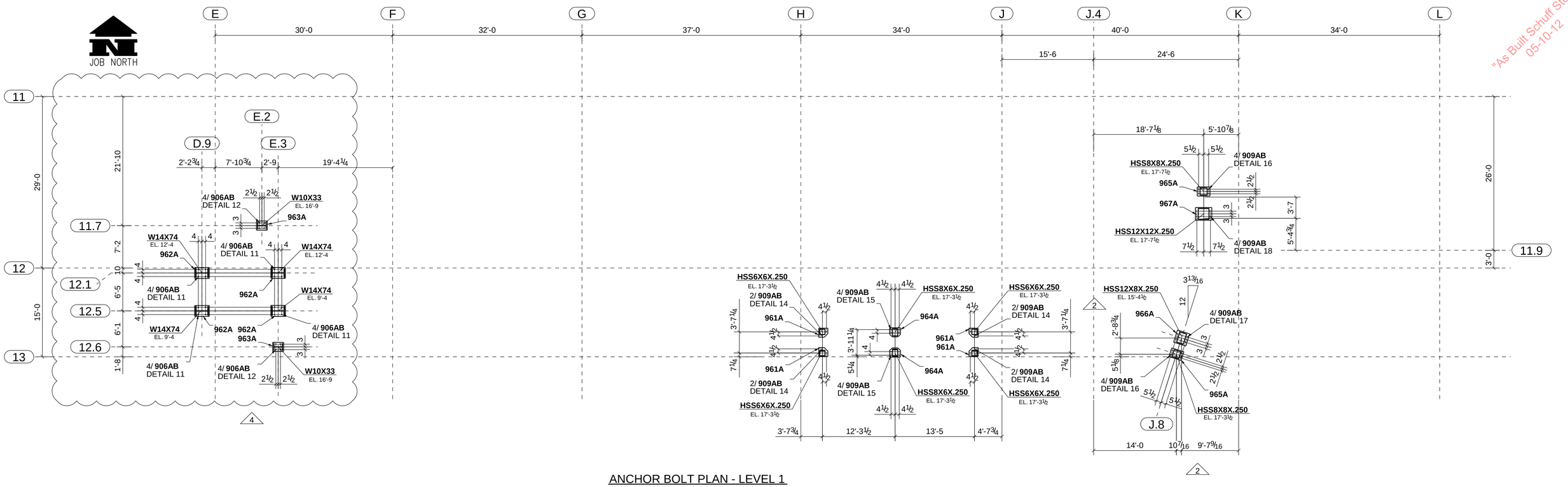
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		4	1

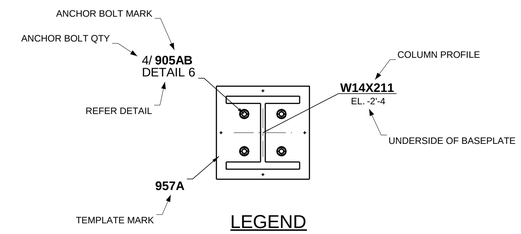
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90003

MODEL NAME: 2352_001_131 PLOTTED: 02:09:26pm 10/05/2009



ANCHOR BOLT PLAN - LEVEL 1

REFER DRG AB90005 FOR DETAILS



LEGEND

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	02/25/2011	ISSUED FOR CONSTRUCTION
3	12/22/2010	ISSUED FOR APPROVAL (LA VETA BRIDGE PLATFORM AREA - GRIDLINE D.9 to F)
2	10/19/2009	DIMENSIONS REVISED (BDS X3.005)
1	10/05/2009	DETAIL REFERENCES REVISED (BDS X2.007)
0	09/28/2009	ISSUED FOR CONSTRUCTION
A	07/08/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1A(I#5), S2.0(I#1)

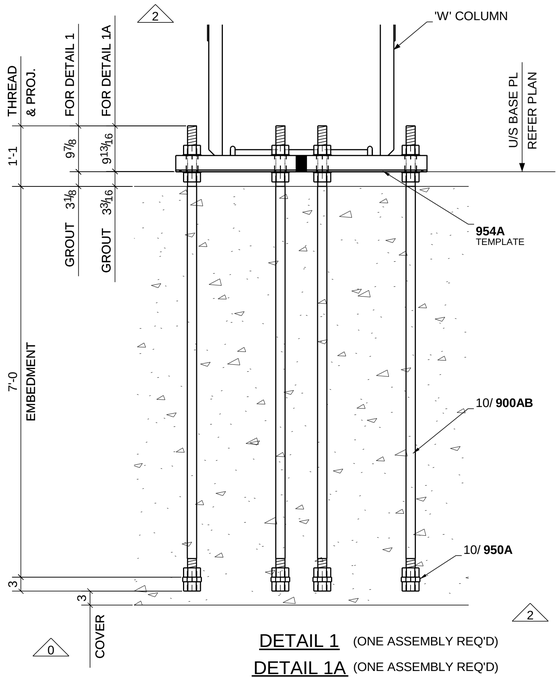
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
SC	WJ	07/07/2009		X		-	4

DETAILS OF: ANCHOR BOLT PLAN - LEVEL 1
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90004

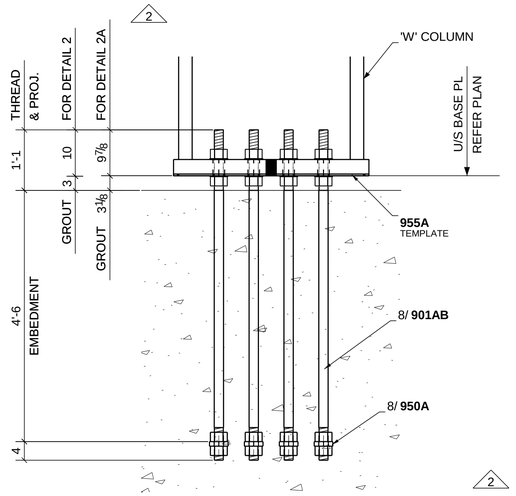
"As Built Schuff Steel" 05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 10:05:06am 02/25/2011



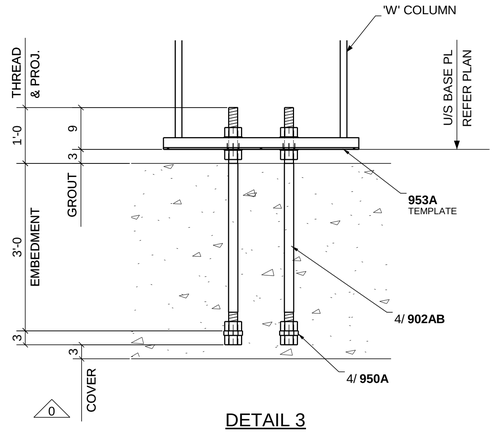
DETAIL 1 (ONE ASSEMBLY REQ'D)

DETAIL 1A (ONE ASSEMBLY REQ'D)



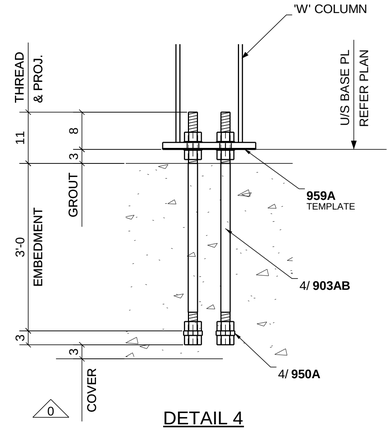
DETAIL 2 (ONE ASSEMBLY REQ'D)

DETAIL 2A (ONE ASSEMBLY REQ'D)



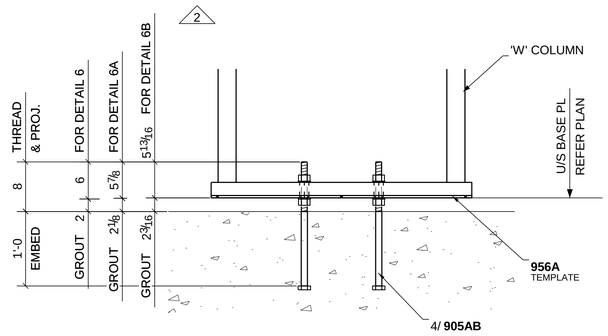
DETAIL 3

(4 ASSEMBLIES REQ'D)



DETAIL 4

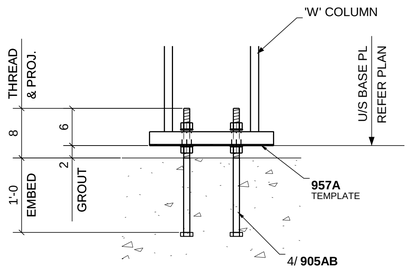
(ONE ASSEMBLY REQ'D)



DETAIL 6 (33 ASSEMBLIES REQ'D)

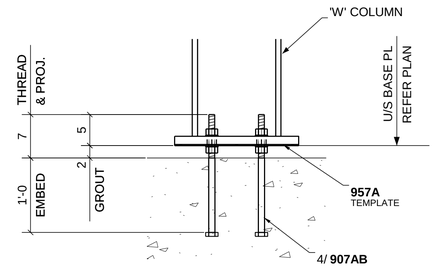
DETAIL 6A (6 ASSEMBLIES REQ'D)

DETAIL 6B (3 ASSEMBLIES REQ'D)



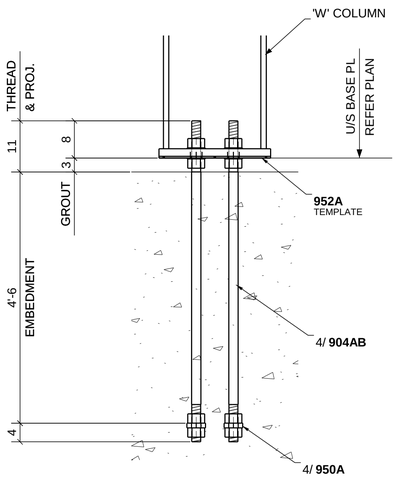
DETAIL 7

(30 ASSEMBLIES REQ'D)



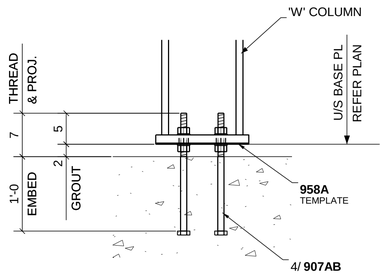
DETAIL 8

(2 ASSEMBLIES REQ'D)



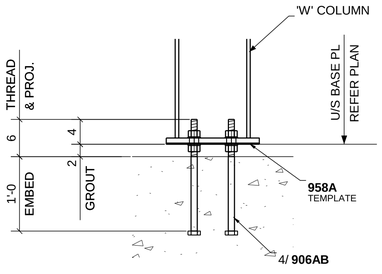
DETAIL 5

(2 ASSEMBLIES REQ'D)



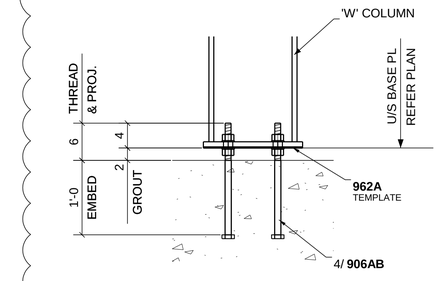
DETAIL 9

(9 ASSEMBLIES REQ'D)



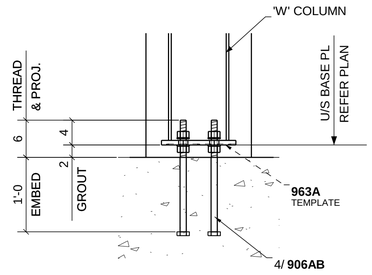
DETAIL 10

(17 ASSEMBLIES REQ'D)



DETAIL 11

(4 ASSEMBLIES REQ'D)



DETAIL 12

(2 ASSEMBLIES REQ'D)

5

"As Built Schuff Steel" 05-10-12

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

5	02/25/2011	ISSUED FOR CONSTRUCTION
4	12/22/2010	ISSUED FOR APPROVAL (DETAILS 11 & 12 FOR LA VETA BRIDGE PLATFORM AREA)
3	10/08/2009	DETAIL 6 NOTE REVISED
2	10/07/2009	DETAILS 1, 2 & 6 REVISED
1	10/05/2009	DETAILS REVISED (BDS X2.007)
0	09/28/2009	ISSUED FOR CONSTRUCTION
A	07/08/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

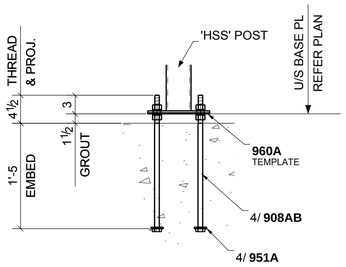
DESIGN DRAWING REFERENCE: S3, S5.8, S7.3

MADE BY: SC	CHECKED BY: WJ	DATE: 07/07/2009	M	C	H	SEQ	REV
				X		-	5

DETAILS OF: ANCHOR BOLT DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

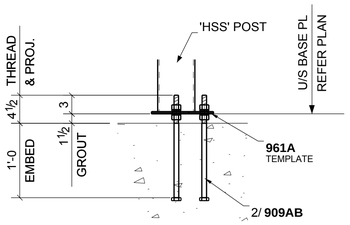
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90005

MODEL NAME: 2302_001_131 PLOTTED: 10:05:11am 02/25/2011



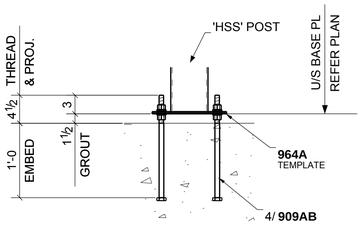
DETAIL 13

(4 ASSEMBLIES REQ'D)



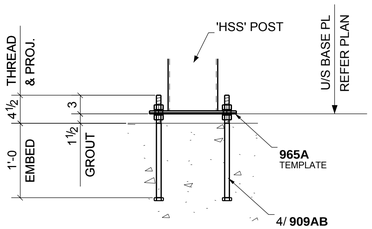
DETAIL 14

(4 ASSEMBLIES REQ'D)



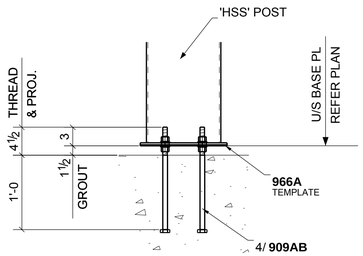
DETAIL 15

(2 ASSEMBLIES REQ'D)



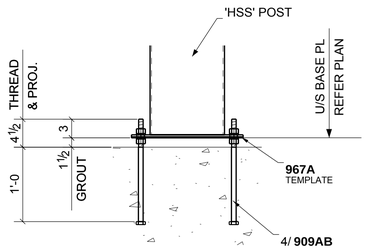
DETAIL 16

(2 ASSEMBLIES REQ'D)



DETAIL 17

(ONE ASSEMBLY REQ'D)



DETAIL 18

(ONE ASSEMBLY REQ'D)

"As Built Schuff Steel"
05-10-12

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	10/05/2009	ISSUED FOR CONSTRUCTION (BDS X2.007)					

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

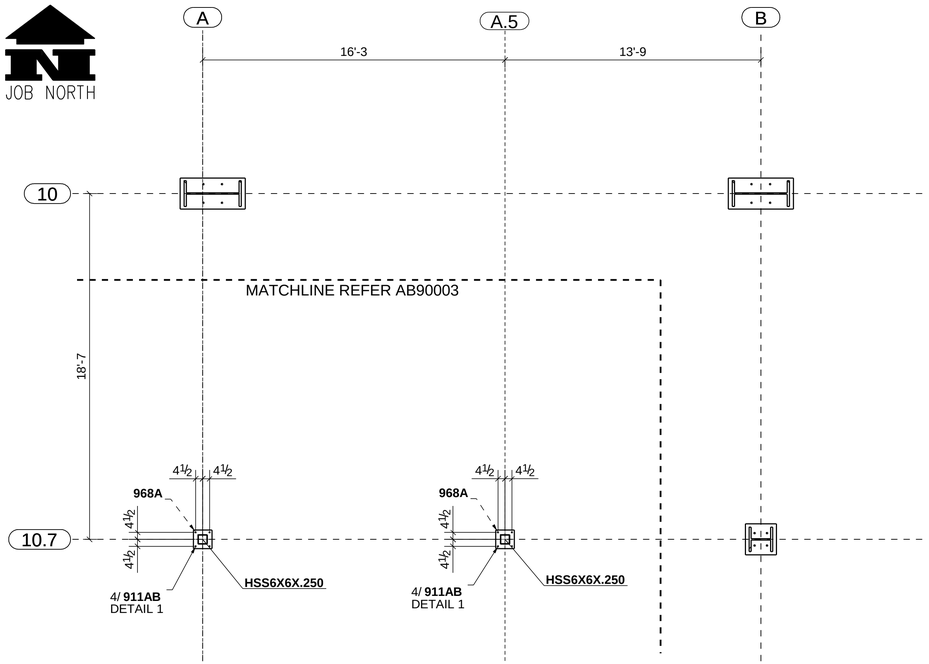
DESIGN DRAWING REFERENCE: S3, S5.8, S7.3

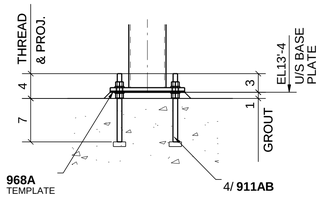
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
SC	WJ	07/07/2009		X		-	0

DETAILS OF: ANCHOR BOLT DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90006

MODEL NAME: 2352_003_131 PLOTTED: 02:09:43pm 10/05/2009





DETAIL 1

"As Built Schuff Steel"
05-10-12

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	11/04/2010	ISSUED FOR CONSTRUCTION (BDS X1.061)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

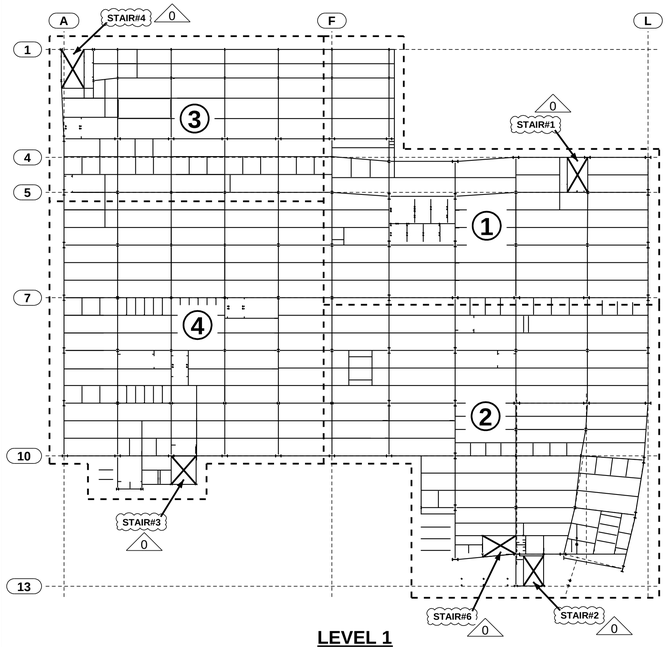
DESIGN DRAWING REFERENCE: S2.1B & A5/S5.10

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	07/07/2009		X		90	0

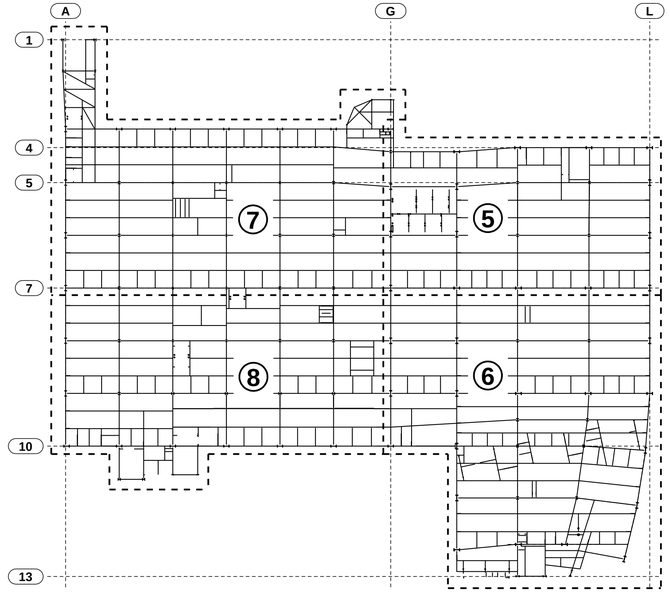
DETAILS OF: ANCHOR BOLT PLAN - LEVEL 1
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	AB90007

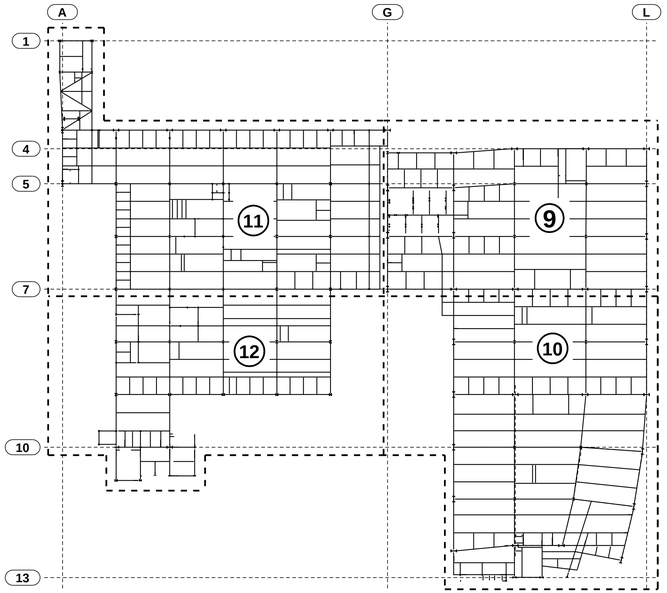
MODEL NAME: 2302_001_131 PLOTTED: 11:53:43am 11/04/2010



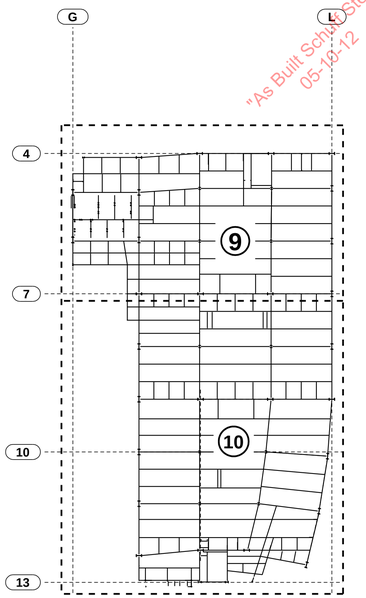
LEVEL 1



LEVEL 3

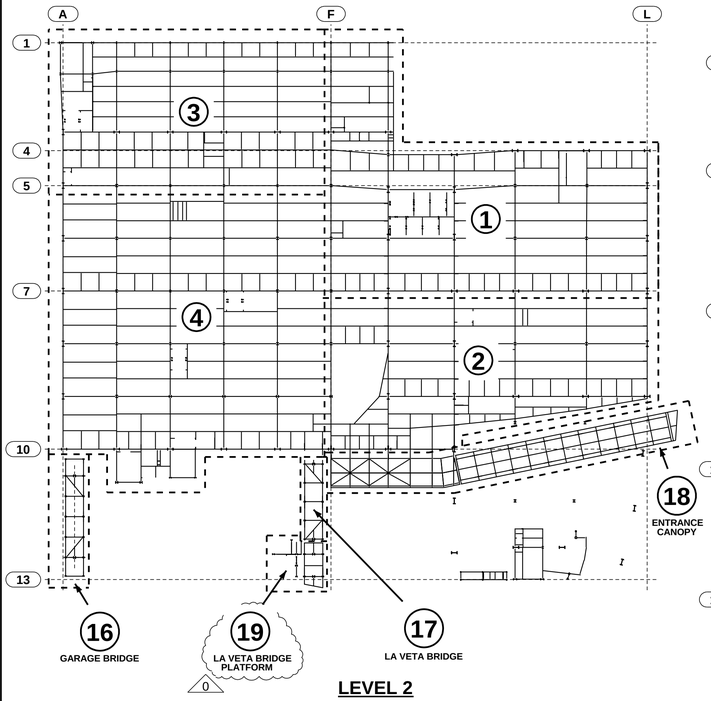


LEVEL 5

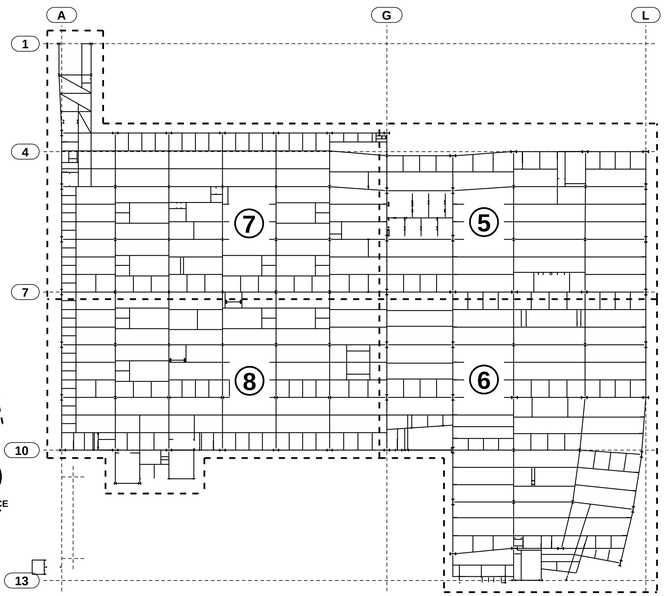


LEVEL 6

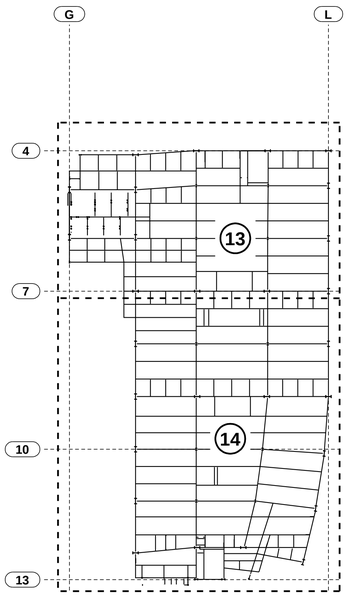
"As Built Schuff Steel"
05-13-12



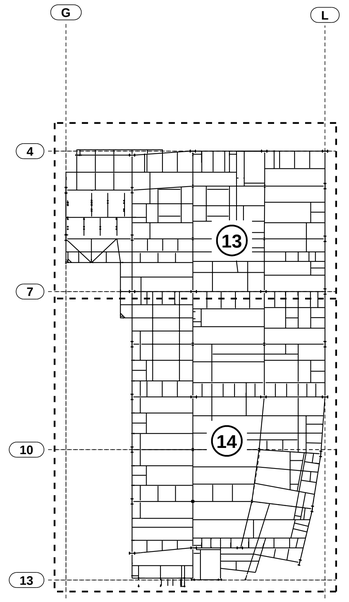
LEVEL 2



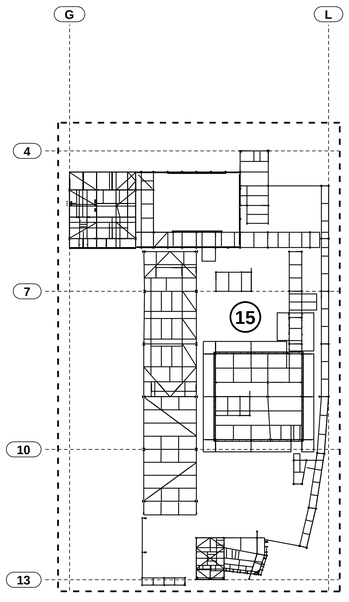
LEVEL 4



LEVEL 7



ROOF LEVEL/PENTHOUSE FLOOR



PENTHOUSE ROOF

JOB NORTH

0

MISC. SEQUENCES

- 90 = ANCHOR BOLTS
- 91 = EMBEDS
- 92 = MEP SUPPLEMENTAL STEELWORK
- 93 = PARAPET & WINDOW WALL SUPPORT STEELWORK
- 94 = DECK PENETRATION SUPPORT STEELWORK

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	09/08/2010	ISSUED FOR CONSTRUCTION
A	08/04/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:

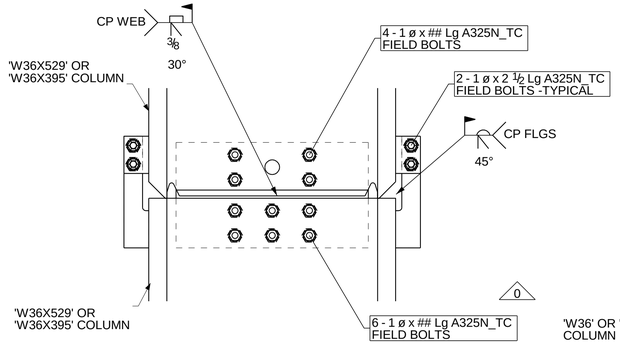
MADE BY: BM | CHECKED BY: BM | DATE: 06/23/2009

DETAILS OF: SEQUENCE PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X			0

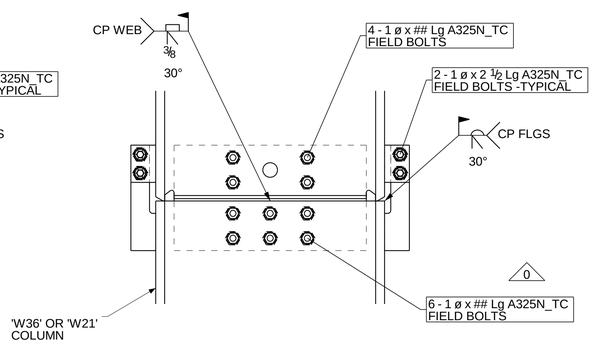
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E1

MODEL NAME: 2352_001_131 PLOTTED: 06:29:42am 09/09/2010



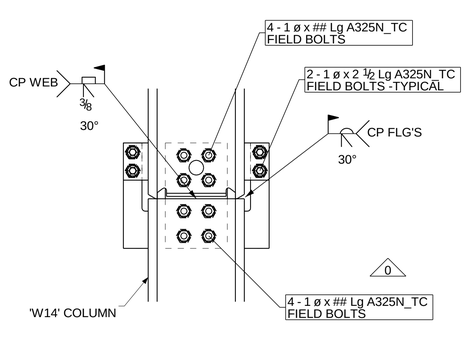
DETAIL 1 (FRAME COL)
DETAIL D2B/S6.2
SS DETAIL SK-CS-003

NOTE:
FOR COLUMN FLANGE THICKNESS TRANSITIONS LESS THAN 1/2" AND WIDTH TRANSITIONS LESS THAN 1", TRANSITION WITH WELDS PER AWS D1.1 FIG 2.2A.



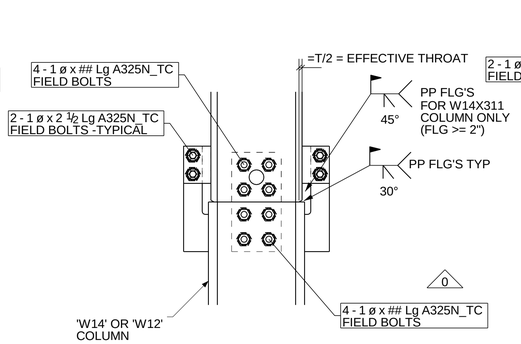
DETAIL 2 (FRAME COL)
DETAIL D2B/S6.2
SS DETAIL SK-CS-003

NOTE:
FOR COLUMN FLANGE THICKNESS TRANSITIONS LESS THAN 1/2" AND WIDTH TRANSITIONS LESS THAN 1", TRANSITION WITH WELDS PER AWS D1.1 FIG 2.2A.

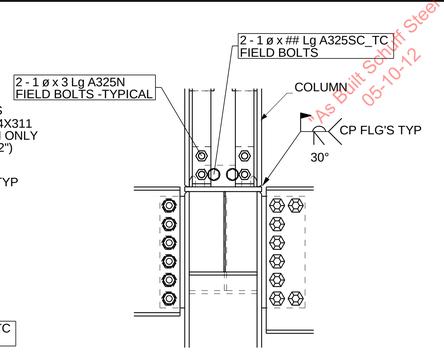


DETAIL 3 (FRAME COL)
DETAIL D2B/S6.2
SS DETAIL SK-CS-002

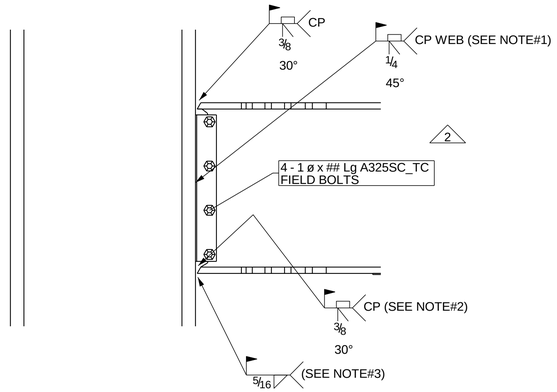
NOTE:
FOR COLUMN FLANGE THICKNESS TRANSITIONS LESS THAN 1/2" AND WIDTH TRANSITIONS LESS THAN 1", TRANSITION WITH WELDS PER AWS D1.1 FIG 2.2A.



DETAIL 4
DETAIL D2A/S6.2
SS DETAIL SK-CS-001

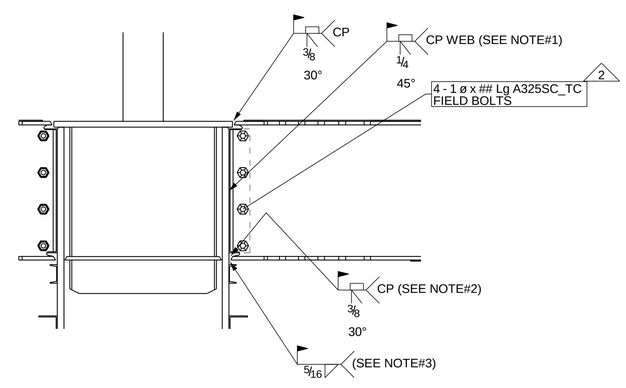


DETAIL 5
DETAIL B2 & B4/S6.2



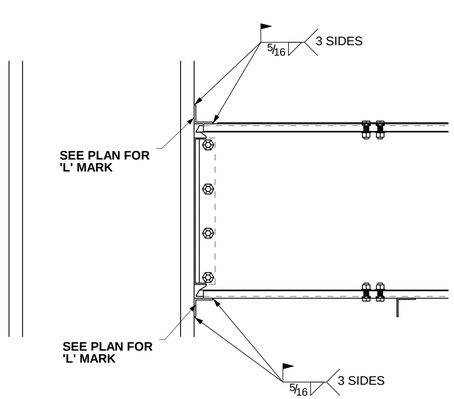
DETAIL 6 ■ OR □ SYMBOL ON PLAN.
DETAIL B4/S6.3

NOTES:
1. GRIND WELD AT TOP AND BTM OF BEAM WEB TO SMOOTH CONTOUR.
2. REMOVE BACKING BAR & BACKGOUGE.
3. WELD AFTER BACKING BAR IS REMOVED.



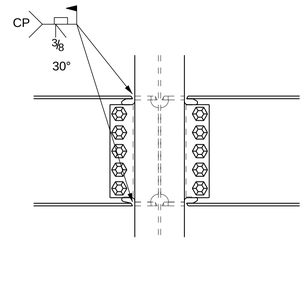
DETAIL 7 ■ OR □ SYMBOL ON PLAN.
DETAIL B4/S6.3

NOTES:
1. GRIND WELD AT TOP AND BTM OF BEAM WEB TO SMOOTH CONTOUR.
2. REMOVE BACKING BAR & BACKGOUGE.
3. WELD AFTER BACKING BAR IS REMOVED.

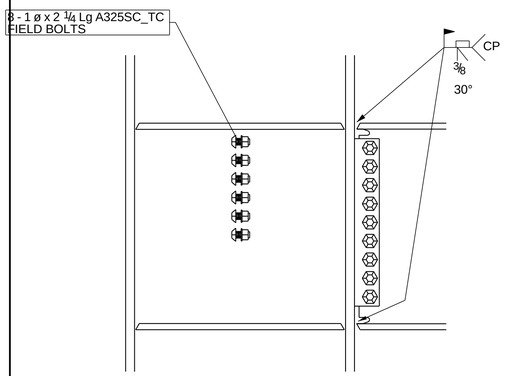


DETAIL 8
DETAIL B4 & B4A/S6.5

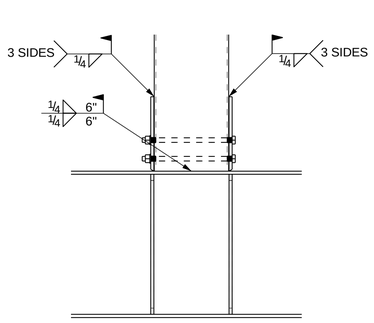
NOTE:
SEE DETAIL 6 FOR BEAM FLG & WEB WELDING



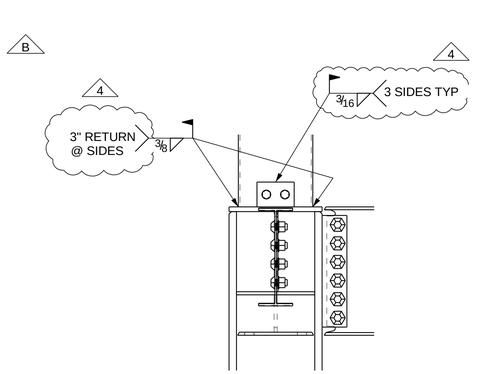
DETAIL 9 ▶ SYMBOL ON PLAN.
DETAIL B1/S6.1



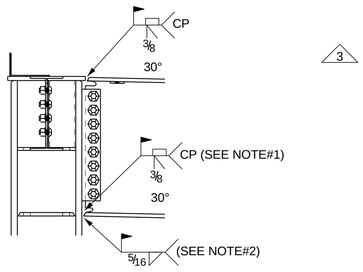
DETAIL 10 ▶ SYMBOL ON PLAN.
DETAIL B2/S6.1



DETAIL 11
DETAIL A2/S6.6A

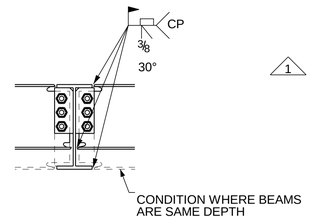


DETAIL 12
DETAIL A2A/S6.6A



DETAIL 41 ▷ SYMBOL ON PLAN.
DETAIL D5/S6.5

NOTES:
1. REMOVE BACKING BAR & BACKGOUGE.
2. WELD AFTER BACKING BAR IS REMOVED.



DETAIL 40 ▶ SYMBOL ON PLAN.
DETAIL A5/S6

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	06/15/2010	FIELD WELDS ON DETAIL 12 REVISED (BDS X1.046)
3	04/22/2010	MOMENT CONNECTION (DETAIL 41) ADDED
2	01/11/2010	BOLT GRADE REVISED FOR RBS BEAM CONNECTION DETAILS
1	12/17/2009	DETAIL 40 ADDED
0	12/14/2009	ISSUED FOR CONSTRUCTION
B	12/07/2009	RE-ISSUED FOR APPROVAL
A	08/21/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S series

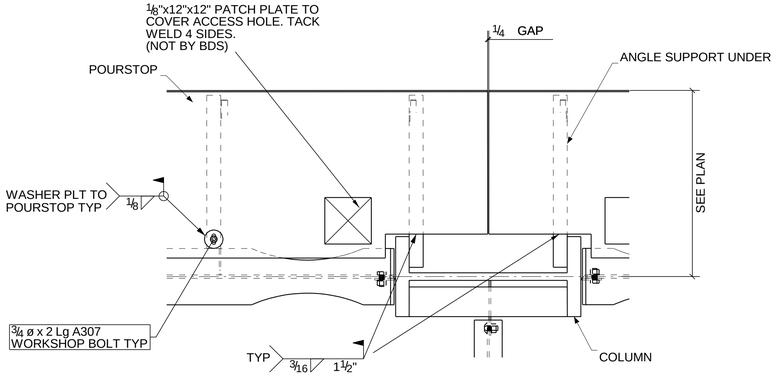
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	07/07/2009		X		1	4

DETAILS OF: FIELD DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

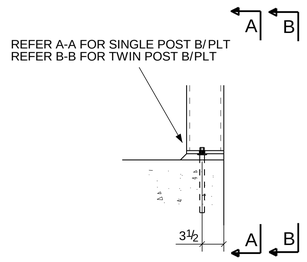
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E10

As Built Schuff Steel 05-10-12

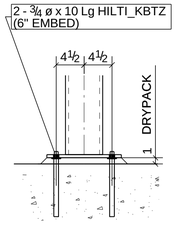
MODEL NAME: 2352_001_131 PLOTTED: 11:36:57am 06/15/2010



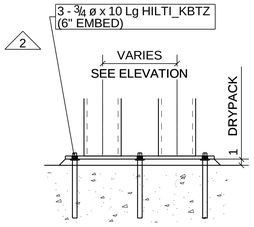
DETAIL 13



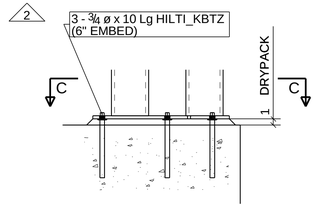
DETAIL 15



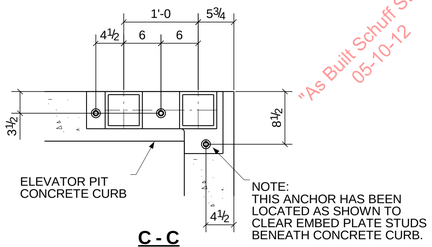
A - A
DETAIL D4/S6.4



B - B
DETAIL A2/S6.24

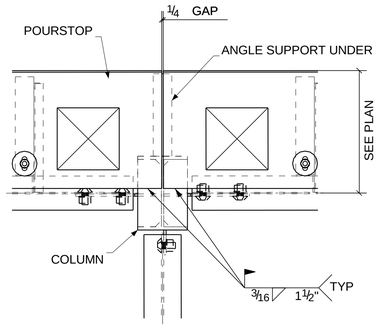


DETAIL 16
DETAIL A2/S6.24 (SIM.)

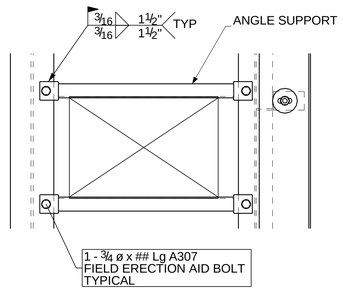


C - C

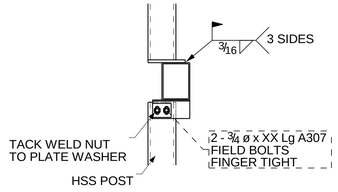
*As Built Schuff Steel 05-10-12



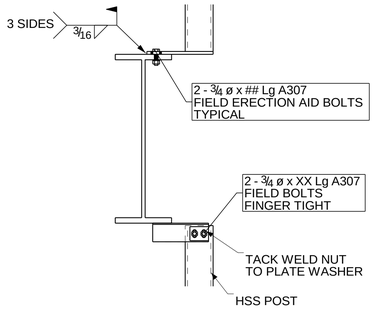
DETAIL 19



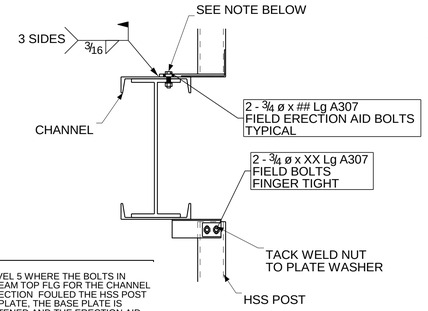
DETAIL 14
DETAIL B1/S1.1 SIM.



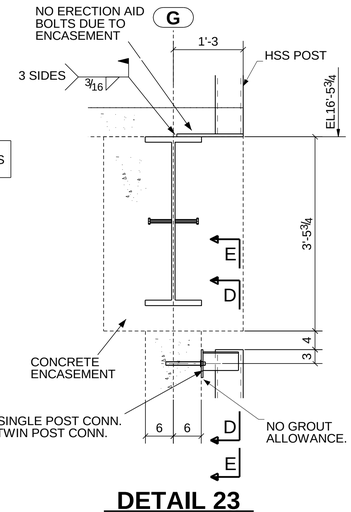
DETAIL 17
DETAIL B4A/S6.4



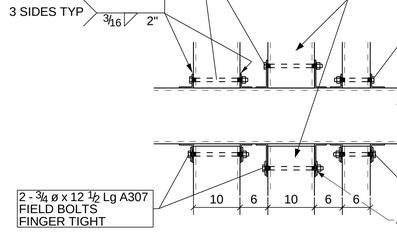
DETAIL 18
DETAIL B4B/S6.4



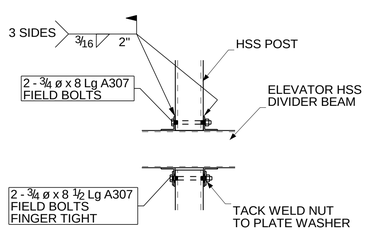
DETAIL 22
DETAIL A5/S6.24



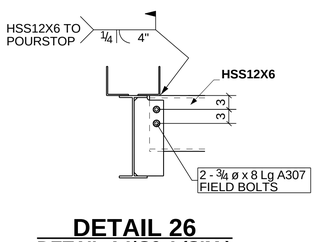
DETAIL 23
DETAIL A4/S6.24



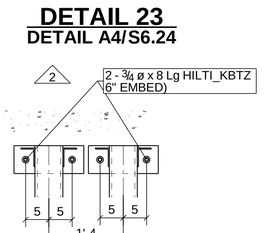
DETAIL 25
DETAIL A5/S6.4 (SIM.)



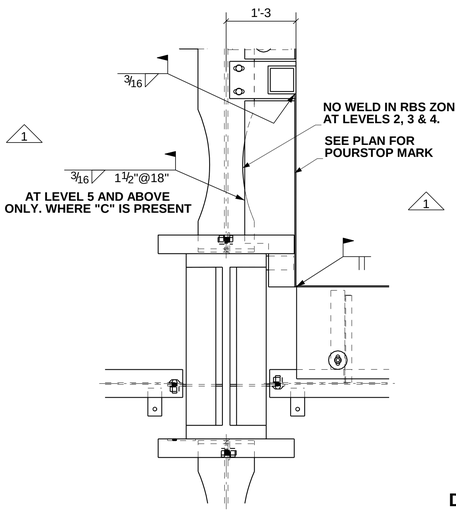
DETAIL 24
DETAIL A5/S6.4



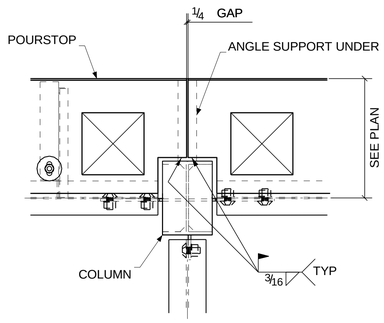
DETAIL 26
DETAIL A4/S6.4 (SIM.)



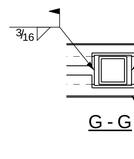
D - D
DETAIL A4/S6.24 (SIM.)

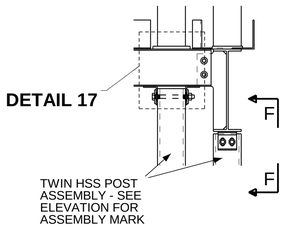


DETAIL 21

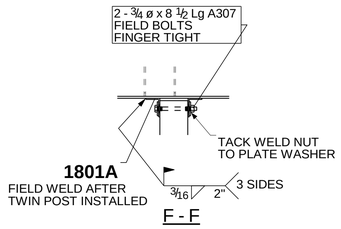


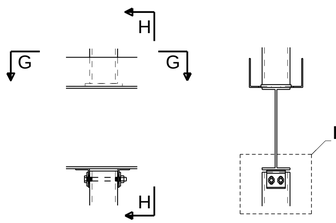
DETAIL 20



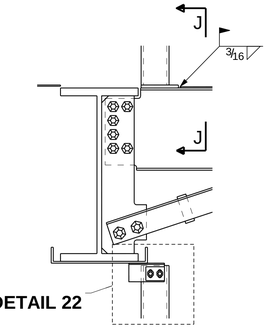


DETAIL 27
DETAIL B4B/S6.4 (SIM.)

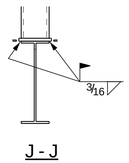


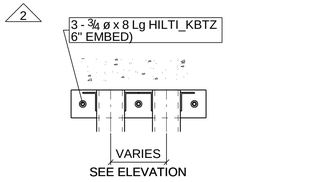


DETAIL 28
DETAIL B4B/S6.4 (SIM.)



DETAIL 29
DETAIL B4B/S6.4 (SIM.)





E - E
DETAIL A4/S6.24

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	12/17/2009	DETAILS 20, 24 & 25 VIEWS UPDATED (MINOR CHANGES)
2	12/03/2009	HILTI BOLT CALL-OFF REVISED
1	11/20/2009	DETAIL 21 REVISED
0	11/06/2009	RE-ISSUED FOR APPROVAL / CONSTRUCTION (ELEVATOR POST DETAILS REVISED/ADDED
A	08/21/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S series

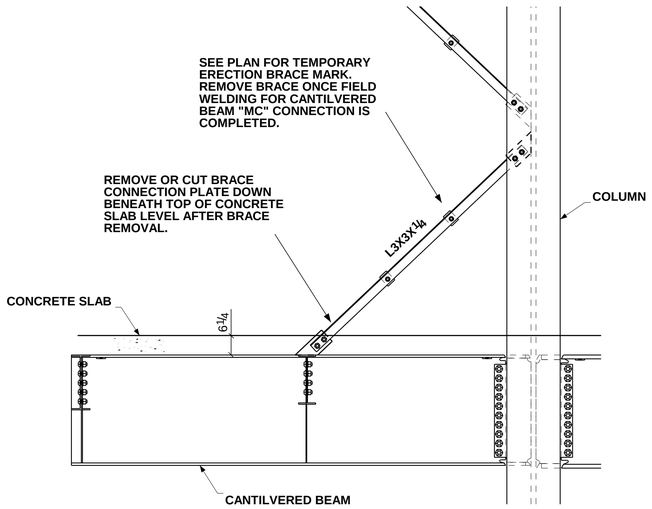
MADE BY: BM | CHECKED BY: WJ | DATE: 07/07/2009

DETAILS OF: FIELD DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

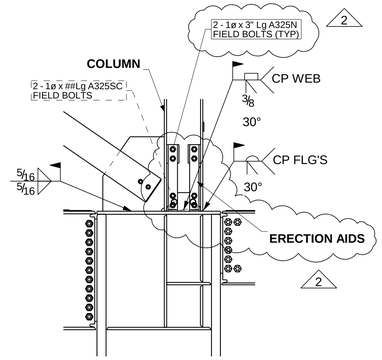
M	C	H	SEQ	REV
	X		1	3

JOB NUMBER 2802 | FAB SS | SHEET NUMBER E11

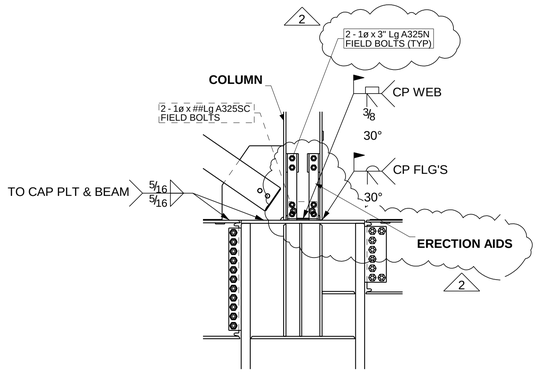
MODEL NAME: 2302_001_131 PLOTTED: 02:45:03pm 12/17/2009



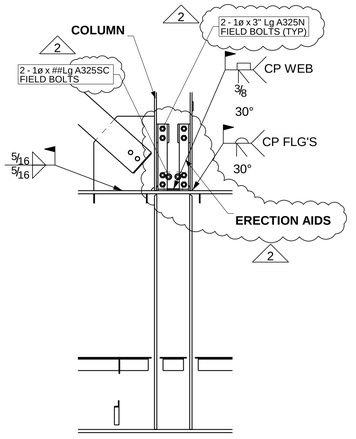
DETAIL 30



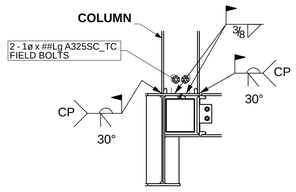
DETAIL 31
DETAIL A1/S6.14



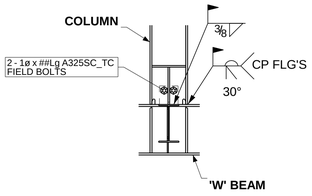
DETAIL 32
DETAIL A2/S6.14



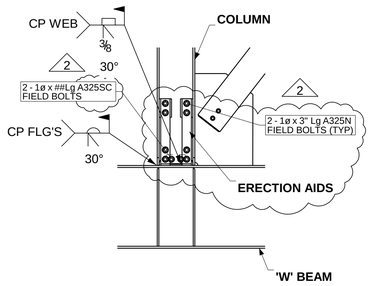
DETAIL 33
DETAIL A5/S6.14



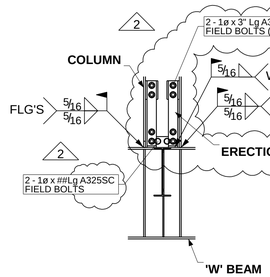
DETAIL 34
DETAIL A1/S6.20



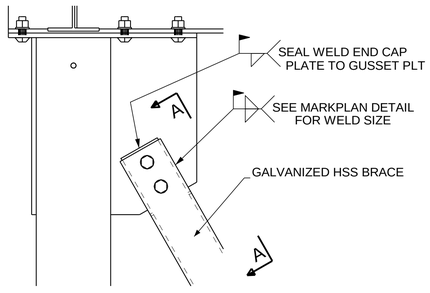
DETAIL 35
DETAIL D4/S6.20



DETAIL 36
DETAIL D5/S6.22 & D4/S6.22 SIM.

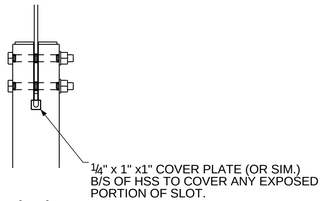


DETAIL 37
DETAIL D2/S6.22



DETAIL 38

NOTE: TOUCH UP ANY EXPOSED PARTS OF GUSSET / BRACE / PLATE WITH GALVALOY ONCE FIELD WELDING IS COMPLETE.



A - A

"As Built Schuff Steel" 05-10-12

1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	04/01/2010	DETAILS 31, 32, 33, 36 & 37 REVISED (BDS X2.015)
1	01/24/2010	ISSUED FOR APPROVAL/CONSTRUCTION - DETAILS ADDED
0	12/17/2009	ISSUED FOR CONSTRUCTION
A	11/30/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

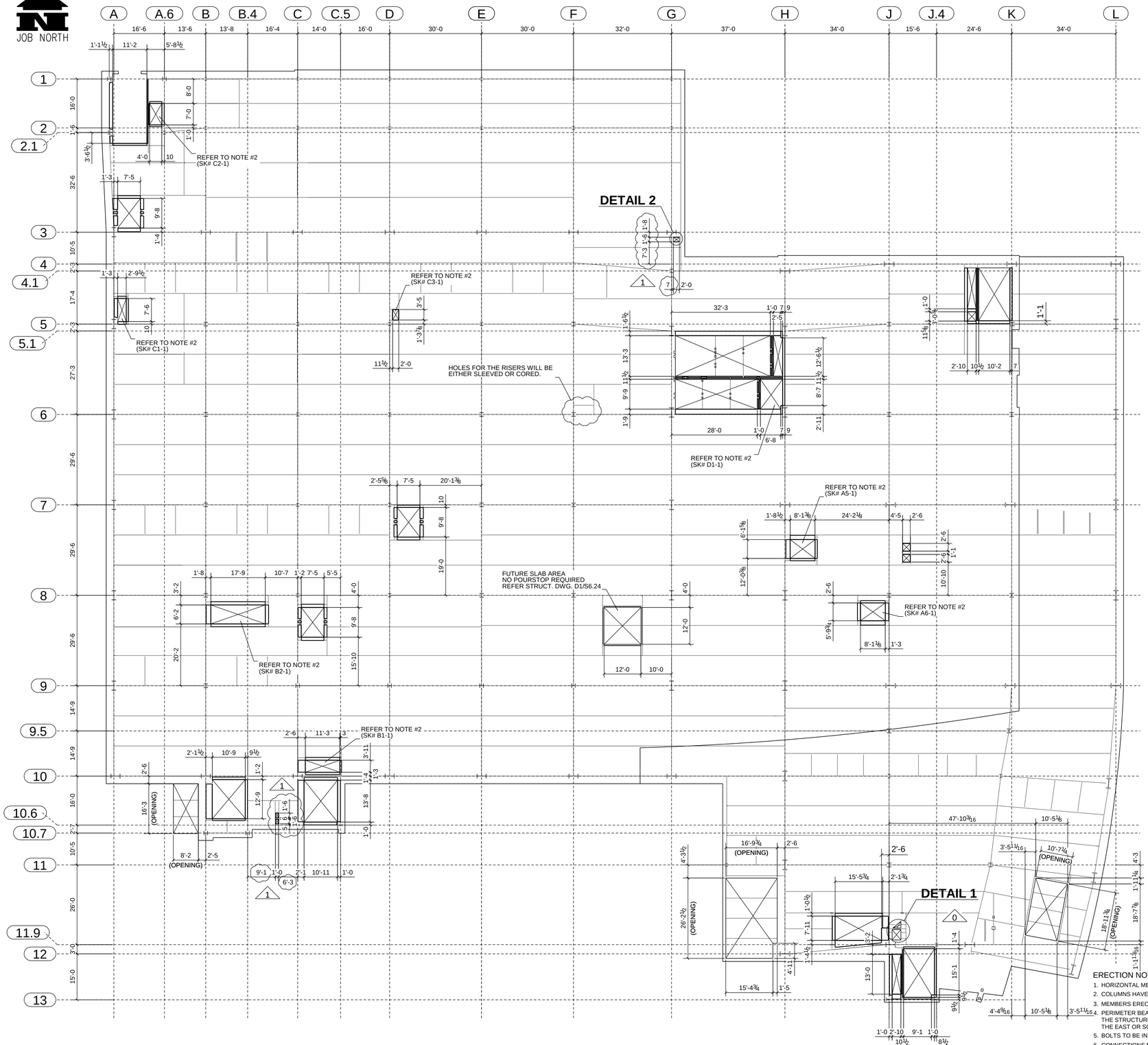
DESIGN DRAWING REFERENCE: S series

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	07/07/2009		X		-	2

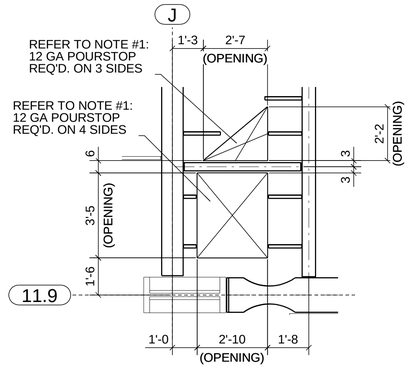
DETAILS OF: FIELD DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E12

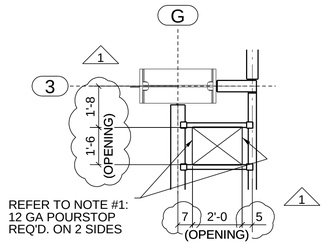
MODEL NAME: 2302_001_131 PLOTTED: 02:52:06pm 04/01/2010



LEVEL 1 SLAB EDGE PLAN



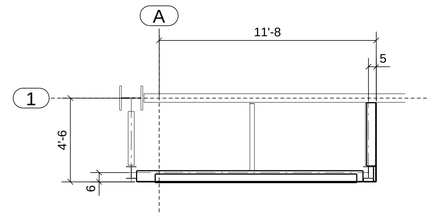
DETAIL 1



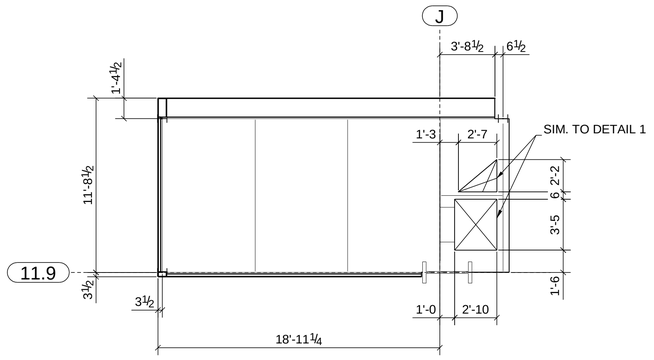
DETAIL 2

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)



LOWER LEVEL 1 SLAB EDGE PLAN



STAIR #6 ROOF FRAME SLAB EDGE PLAN

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	03/02/2010	OPENING SIZE & LOCATION MODIFIED PER SS RFI # 449 (BDS X3.016)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	11/19/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.1 & A1.01

MADE BY: RV | CHECKED BY: WJ | DATE: 11/04/2009

DETAILS OF: LEVEL 1 SLAB EDGE

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		1~4	1

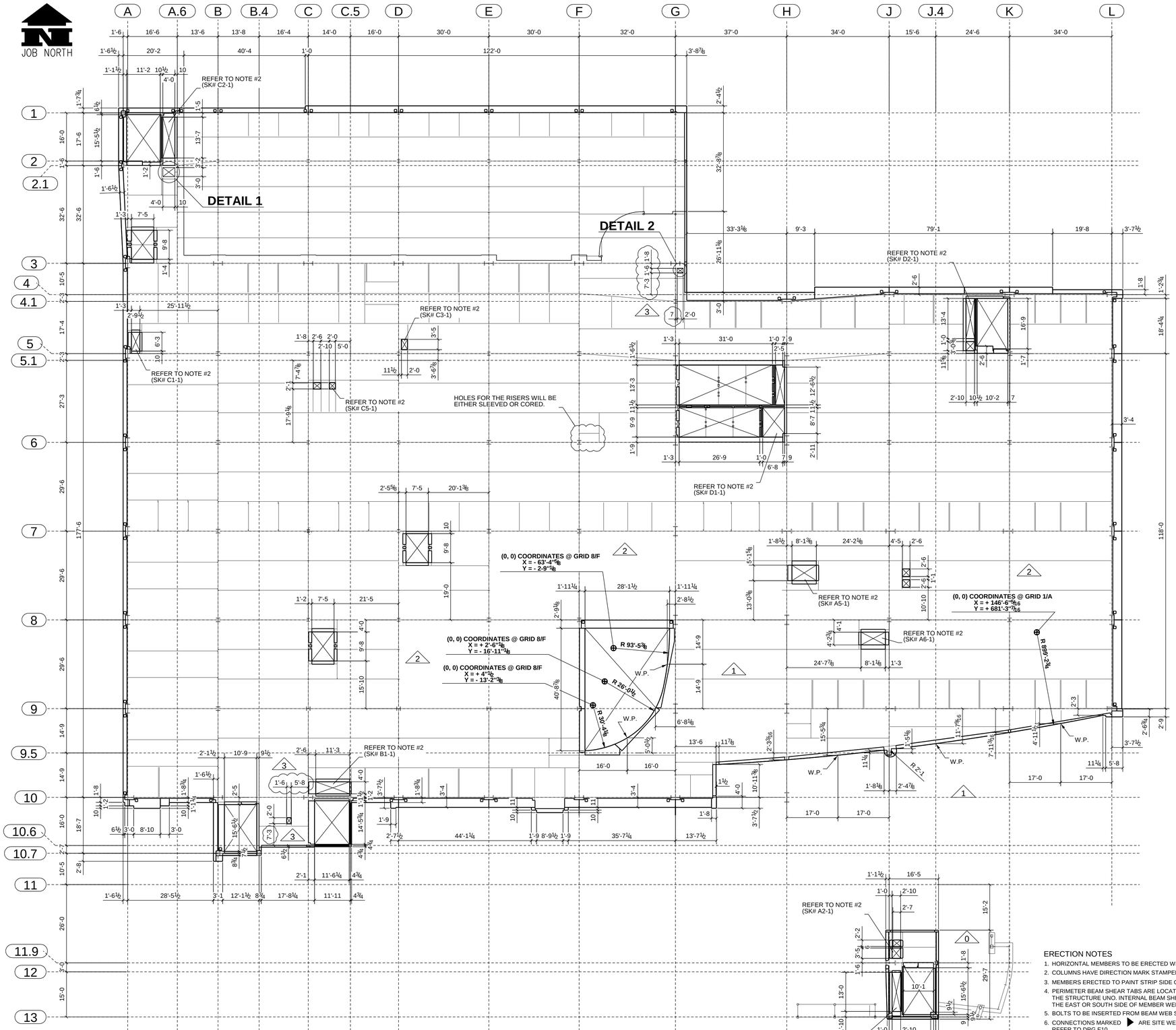
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E101

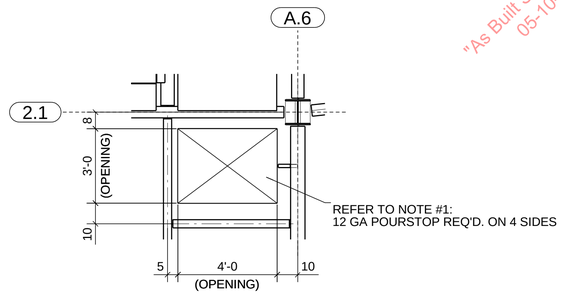
"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 12:10:00pm 03/02/2010

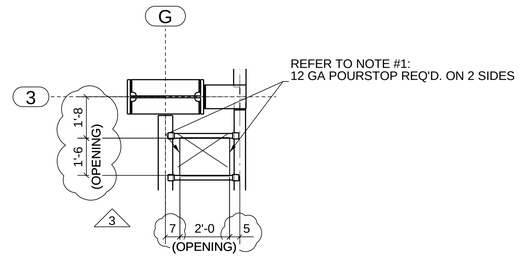
"As Built Schuff Steel"
05-10-12

JOB NORTH





DETAIL 1



DETAIL 2

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

LEVEL 2 SLAB EDGE PLAN

3	03/02/2010	OPENING SIZE & LOCATION MODIFIED PER SS RFI # 449 (BDS X3.016)
2	02/10/2010	COORDINATES ON CURVED POURSTOP ADDED (SHOP QUERY)
1	02/03/2010	DIMENSIONS ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	11/19/2009	ISSUED FOR APPROVAL

SS
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SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2 & A1.02

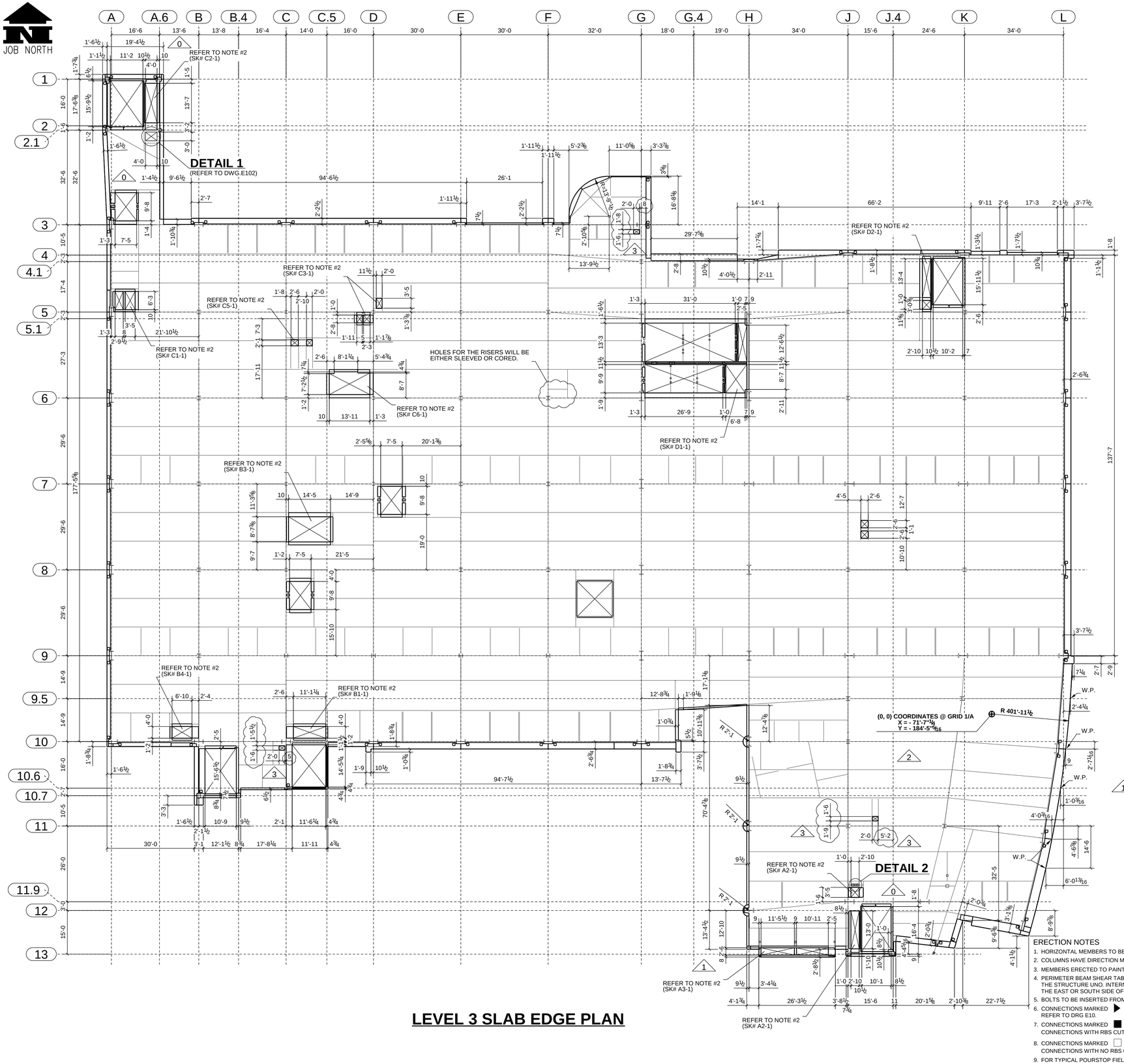
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
RV	WJ	11/04/2009		X		1~4	3

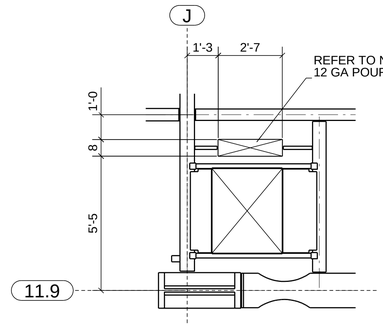
DETAILS OF: LEVEL 2 SLAB EDGE
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E102

MODEL NAME: 2302_001_131 PLOTTED: 12:10:21pm 03/02/2010

JOB NORTH





DETAIL 2

"As Built Schuff Steel"
05-10-12

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. 1/4" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)

LEVEL 3 SLAB EDGE PLAN

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	03/02/2010	OPENING SIZE & LOCATION MODIFIED PER SS RFI # 449 (BDS X3.016)
2	02/10/2010	COORDINATES ON CURVED POURSTOP ADDED (SHOP QUERY)
1	02/03/2010	EOS CHANGED (BDS X3.013) AND DIM'S. ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	11/19/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
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PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.3 & A1.03

MADE BY: RV | CHECKED BY: WJ | DATE: 11/04/2009

DETAILS OF: LEVEL 3 SLAB EDGE
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		5~8	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E103

MODEL NAME: 2352_001_131 PLOTTED: 12:10:44pm 03/02/2010

JOB NORTH

"As Built Schuff Steel" 05-10-12

A A.6 B B.4 C C.5 D E F G G.4 H J J.4 K L

1 2 2.1 3 4 4.1 5 5.1 6 7 8 9 9.5 10 10.6 10.7 11 11.9 12 13

REFER TO NOTE #2 (SK# C2-1)

DETAIL 1
(REFER TO DWG. E102)

REFER TO NOTE #2 (SK# C1-1)

REFER TO NOTE #2 (SK# C5-1)

REFER TO NOTE #2 (SK# C3-1)

REFER TO NOTE #2 (SK# C6-1)

HOLES FOR THE RISERS WILL BE EITHER SLEEVED OR CORED.

REFER TO NOTE #2 (SK# C9-1)

REFER TO NOTE #2 (SK# B3-1)

REFER TO NOTE #2 (SK# B7-1)

REFER TO NOTE #2 (SK# B4-1)

REFER TO NOTE #2 (SK# B1-1)

REFER TO NOTE #2 (SK# D2-1)

REFER TO NOTE #2 (SK# D1-1)

REFER TO NOTE #2 (SK# D3-1)

REFER TO NOTE #2 (SK# A9-1)

R 401'-4⅜"

(0, 0) COORDINATES @ GRID 1/A
X = - 71'-7'-0⅛"
Y = - 184'-5'-7/16

W.P.

DETAIL 2
(REFER TO DWG. E103)

REFER TO NOTE #2 (SK# A2-1)

REFER TO NOTE #2 (SK# A3-1)

REFER TO NOTE #2 (SK# A2-1)

LEVEL 4 SLAB EDGE PLAN

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)

4	03/16/2010	OPENING SIZE MODIFIED (BDS X3.035)
3	03/02/2010	OPENING SIZE & LOCATION MODIFIED PER SS RFI # 449 (BDS X3.016)
2	02/10/2010	COORDINATES ON CURVED POURSTOP ADDED (SHOP QUERY)
1	02/03/2010	EOS CHANGED (BDS X3.013) AND DIM'S. ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	11/19/2009	ISSUED FOR APPROVAL

SS
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SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.4 & A1.04

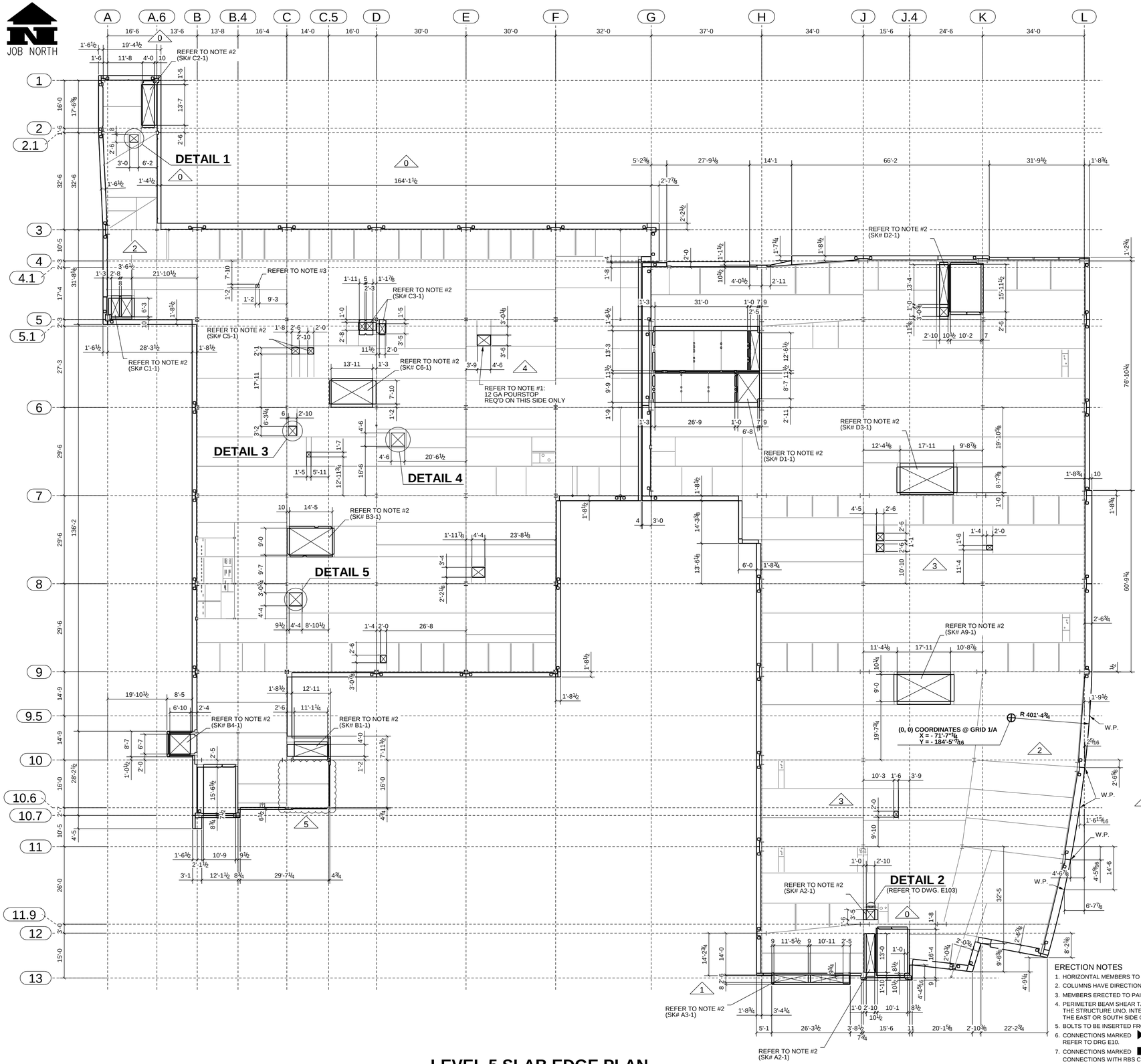
MADE BY: RV | CHECKED BY: WJ | DATE: 11/04/2009

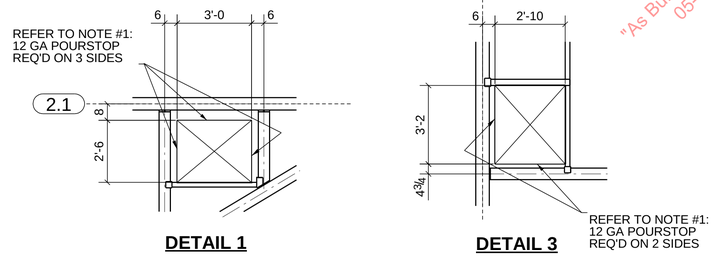
DETAILS OF: LEVEL 4 SLAB EDGE
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		5~8	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E104

MODEL NAME: 2302_001_131 PLOTTED: 03:36:57pm 03/16/2010





"As Built Schuff Steel"
05-10-12

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. 1/4" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)
3. REFER TO STRUCT. DWG. B2/S1.1 FOR THE PROCEDURE OF OPENINGS.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

5	06/15/2010	FLOOR OPENING REMOVED (BDS X1.047)
4	03/16/2010	OPENING SIZE MODIFIED & NOTE ADDED (BDS X3.035)
3	02/23/2010	OPENINGS RELOCATED (BDS X3.016)
2	02/10/2010	EOS CHANGED (BDS X3.011) & COORDINATES ADDED
1	02/03/2010	EOS CHANGED (BDS X3.013) AND DIM'S. ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	12/07/2009	ISSUED FOR APPROVAL

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DESIGN DRAWING REFERENCE: S2.5

MADE BY: RV | CHECKED BY: WJ | DATE: 11/04/2009

DETAILS OF: LEVEL 5 SLAB EDGE

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		9~1	5

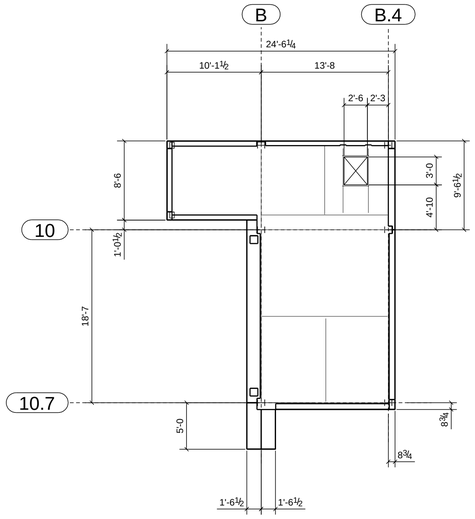
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E105

LEVEL 5 SLAB EDGE PLAN

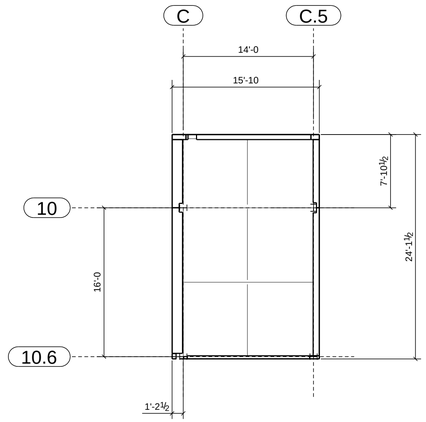
MODEL NAME: 2302_001_131 PLOTTED: 09:08:08am 06/15/2010

JOB NORTH

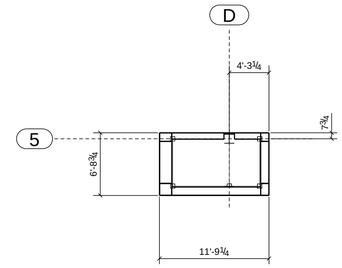
"As Built Schuff Steel" 05-10-12



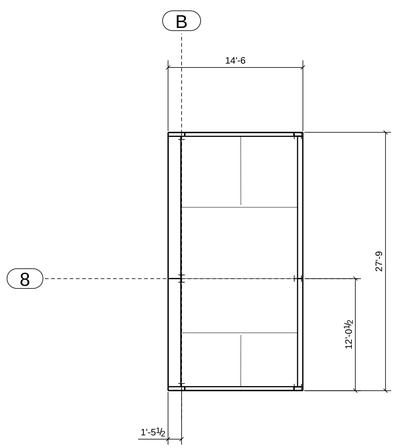
HIGH ROOF SLAB EDGE PLAN
(REFER TO DWG. S2.5B)



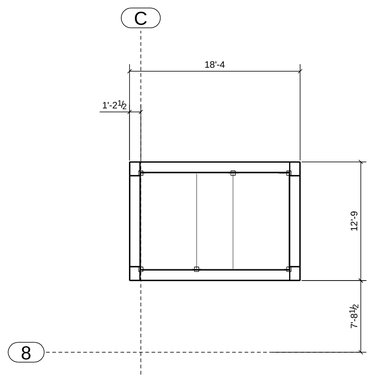
HIGH ROOF SLAB EDGE PLAN
(REFER TO DWG. S2.5B)



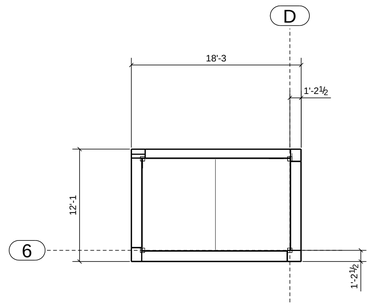
DOGHOUSE ROOF SLAB EDGE PLAN
(REFER TO DWG. S2.5C)



ELECTRICAL ROOM ROOF SLAB EDGE PLAN
(REFER TO DWG. S2.5.1)



HIGH ROOF SLAB EDGE PLAN
(REFER TO DWG. S2.5.1)



HIGH ROOF SLAB EDGE PLAN
(REFER TO DWG. S2.5.1)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	03/02/2010	ISSUED FOR APPROVAL/CONSTRUCTION					

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PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5.1, S2.5B & S2.5C

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
RV	WJ	11/04/2009		X		11&	0

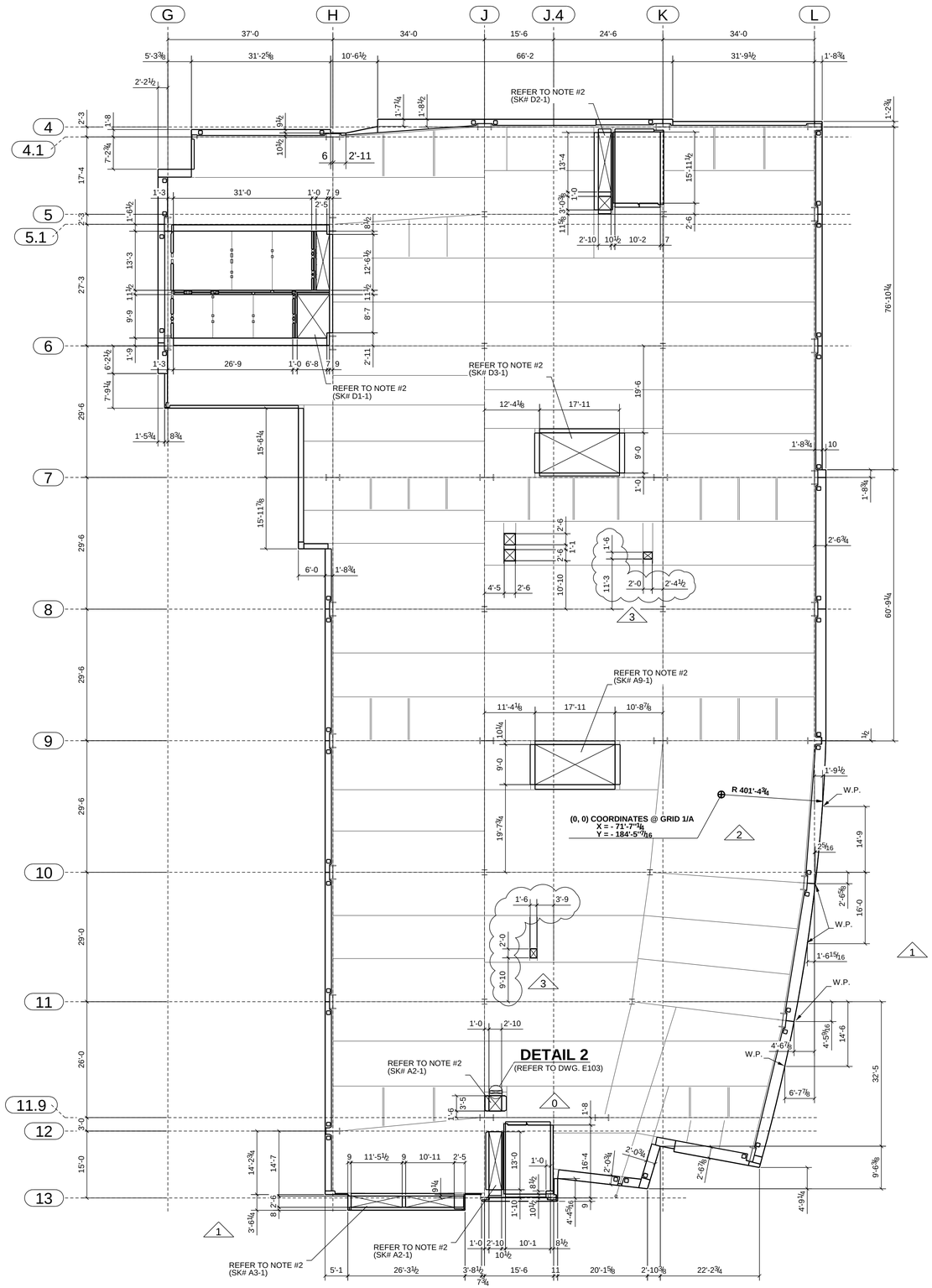
DETAILS OF: LEVEL 5 SLABE EDGE ON HIGHER ROOF
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E106

MODEL NAME: 2302_001_131 PLOTTED: 12:11:13pm 03/02/2010

JOB NORTH

"As Built Schuff Steel"
05-10-12



LEVEL 6 SLAB EDGE PLAN

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)
3. REFER TO STRUCT. DWG. B2/S1.1 FOR THE PROCEDURE OF OPENINGS.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	02/23/2010	OPENINGS RELOCATED (BDS X3.016)
2	02/10/2010	COORDINATES ON CURVED POURSTOP ADDED (SHOP QUERY)
1	02/03/2010	EOS CHANGED (BDS X3.013) AND DIM'S. ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	12/07/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

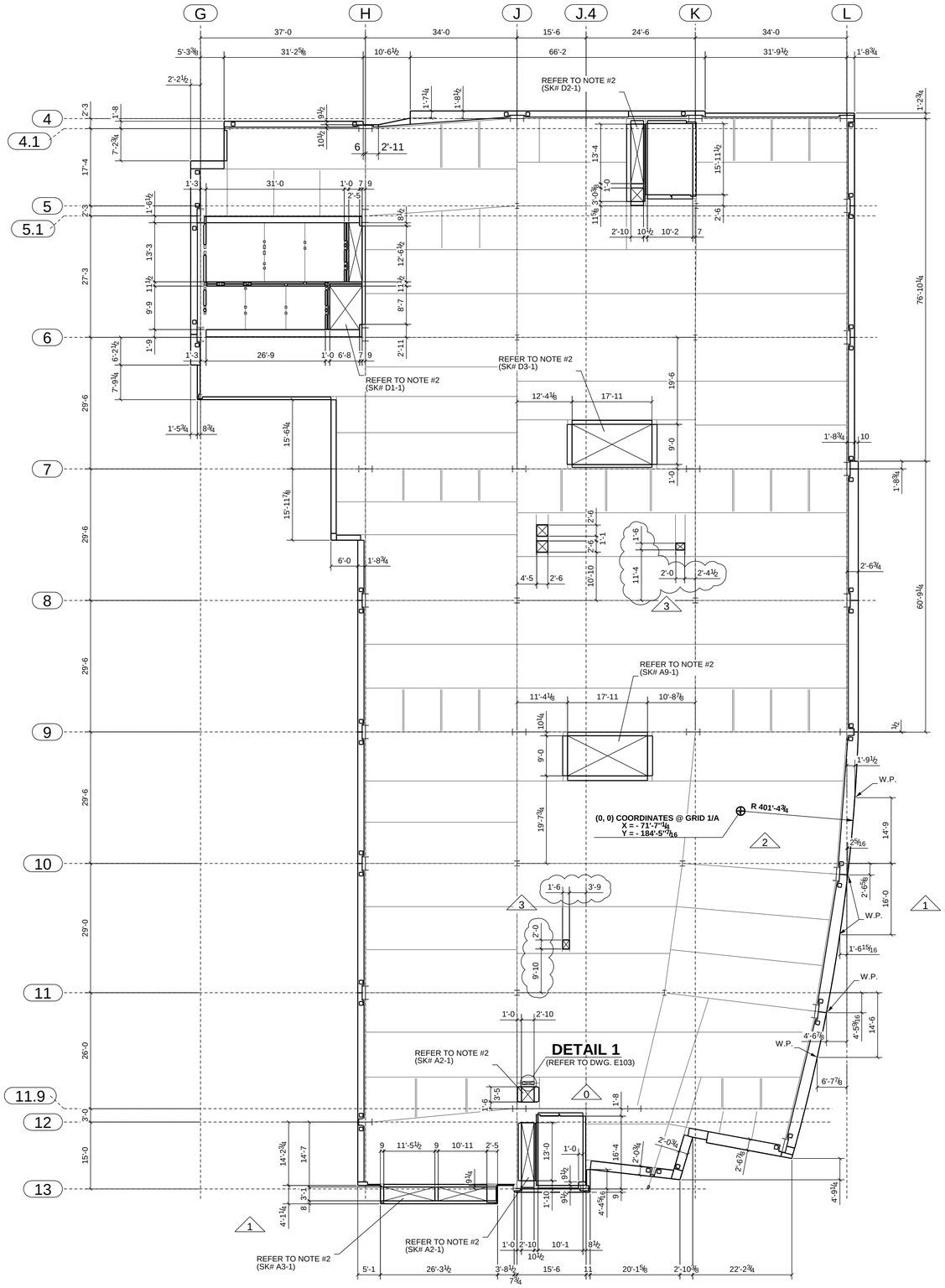
DESIGN DRAWING REFERENCE: S2.6					
MADE BY: RV	CHECKED BY: WJ	DATE: 11/04/2009	M	C	H
DETAILS OF: LEVEL 6 SLAB EDGE					
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II					

SEQ	REV
9&1	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E107

MODEL NAME: 2552_001_131 PLOTTED: 03:47:48pm 02/23/2010

JOB NORTH



LEVEL 7 SLAB EDGE PLAN

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)
3. REFER TO STRUCT. DWG. B2/S1.1 FOR THE PROCEDURE OF OPENINGS.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	02/23/2010	OPENINGS RELOCATED (BDS X3.016)
2	02/10/2010	COORDINATES ON CURVED POURSTOP ADDED (SHOP QUERY)
1	02/03/2010	EOS CHANGED (BDS X3.013) AND DIM'S. ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	12/07/2009	ISSUED FOR APPROVAL

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PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.7					
MADE BY: RV	CHECKED BY: WJ	DATE: 11/04/2009	M	C	H
DETAILS OF: LEVEL 7 SLAB EDGE					
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II					

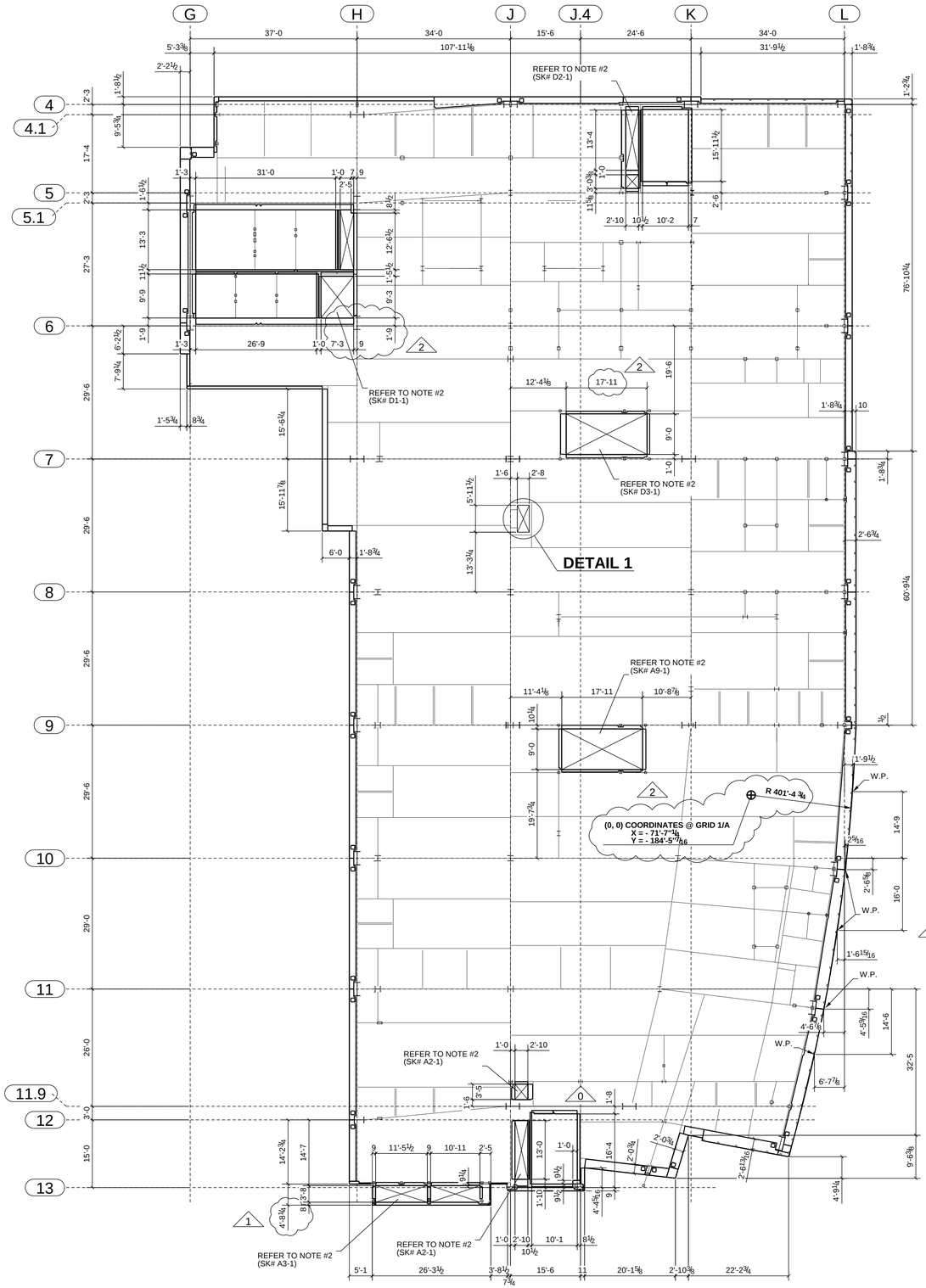
SEQ	REV
13&	3

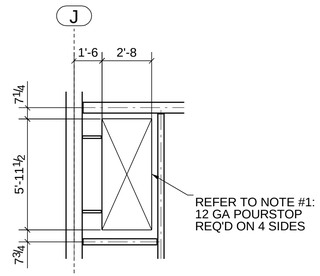
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E108

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 03:48:03pm 02/23/2010

JOB NORTH





DETAIL 1

LEVEL 8 SLAB EDGE PLAN

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)
3. REFER TO STRUCT. DWG. B2/S1.1 FOR THE PROCEDURE OF OPENINGS.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	02/10/2010	EOS CHANGED/NOTCH REMOVED (BDS X3.015) & COORDINATES ADDED
1	02/03/2010	EOS CHANGED (BDS X3.013) AND DIM'S. ADDED ON CURVED POURSTOP (SHOP QUERY)
0	01/22/2010	ISSUED FOR APPROVAL/CONSTRUCTION (BDS X3.010)
B	01/20/2010	ISSUED FOR RE-APPROVAL AS BDS RFI # 284.1 (BDS X3.010)
A	12/07/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.8

MADE BY: RV | CHECKED BY: WJ | DATE: 11/04/2009

DETAILS OF: LEVEL 8 SLAB EDGE ON ROOF
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		13&	2

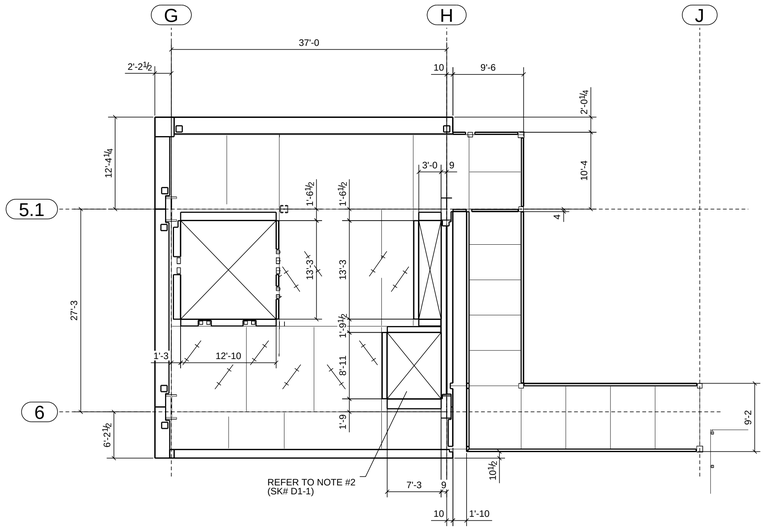
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E109

"As Built Schuff Steel" 05-10-12

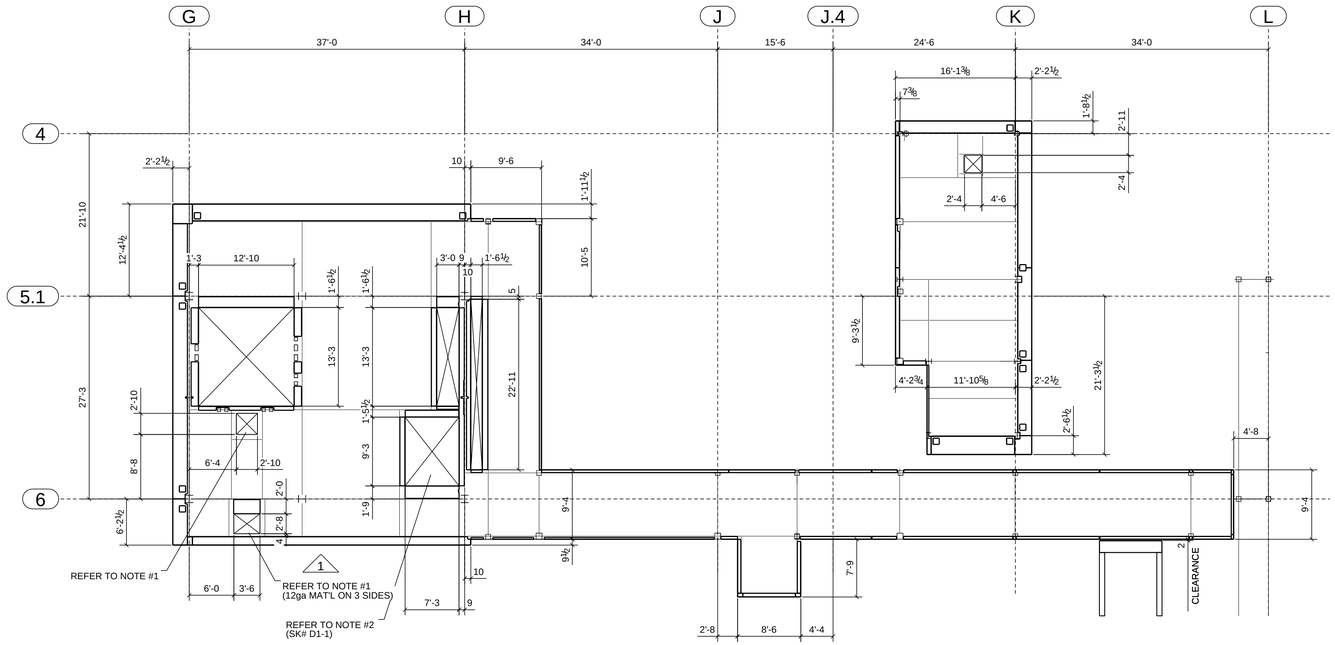
MODEL NAME: 2352_001_131 PLOTTED: 10:11:04am 02/10/2010

JOB NORTH

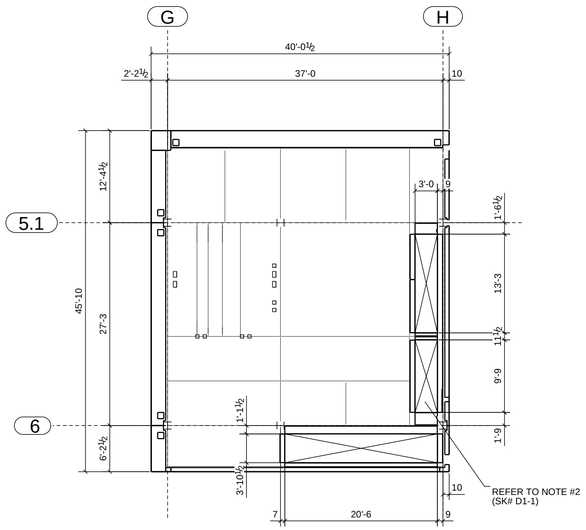
"As Built Schuff Steel" 05-10-12



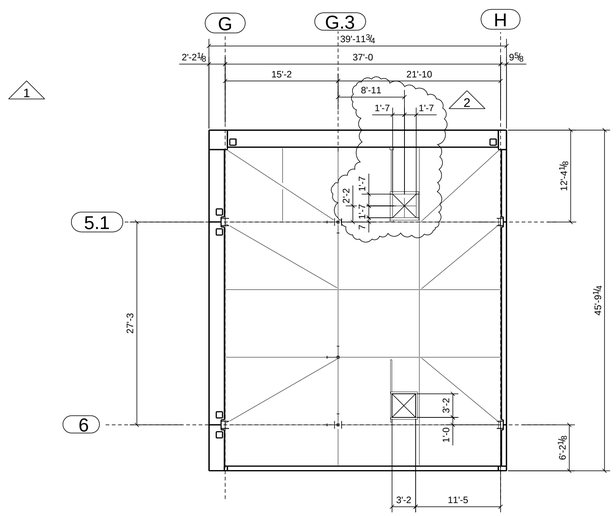
PENTHOUSE LEVEL 1 & WALKWAY SLAB EDGE PLAN
(REFER TO DWG. S2.10)



PENTHOUSE LEVEL 2, WALKWAY & STAIR#1 ROOF SLAB EDGE PLAN
(REFER TO DWG. S-2.9D)



PENTHOUSE LEVEL 3 SLAB EDGE PLAN
(REFER TO DWG. S2.10)



PENTHOUSE ROOF LEVEL SLAB EDGE PLAN
(REFER TO DWG. S2.10)

NOTES:

1. USE 12 GA MAT'L. FOR BENT CLOSURE AS PER STRUCT. DWG. A4/ S1.1 FOR OPENINGS NOTED.
2. ¼" POURSTOP PROVIDED ON 4 SIDES OF THE OPENING PER H & H SKETCHES FOR DUCT RISER SUPPORT (SS#238)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	06/25/2010	ROOF OPENING DIMENSIONS ADDED PER MCC RFI # 1536 (BDS X3.049)
1	06/02/2010	OPENING DIMENSIONS & NOTE ADDED PER MCC#881
0	04/16/2010	ISSUED FOR APPROVAL/CONSTRUCTION

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9&S2.10

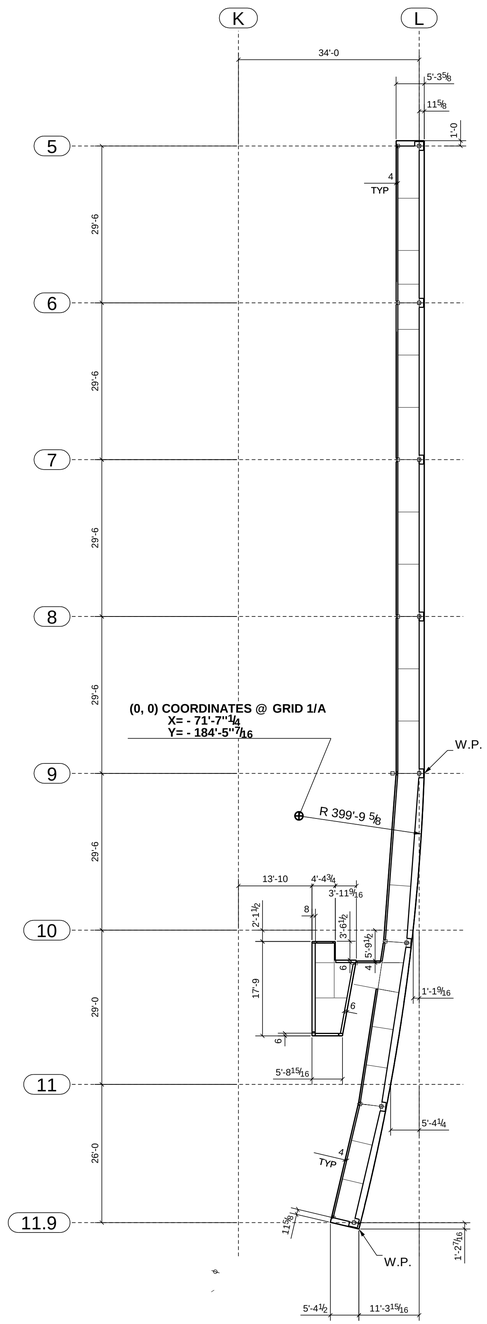
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
RV	WJ	11/04/2009		X		15	2

DETAILS OF: PH LEVEL 1, 2, 3 & ROOF SLAB EDGE
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E110

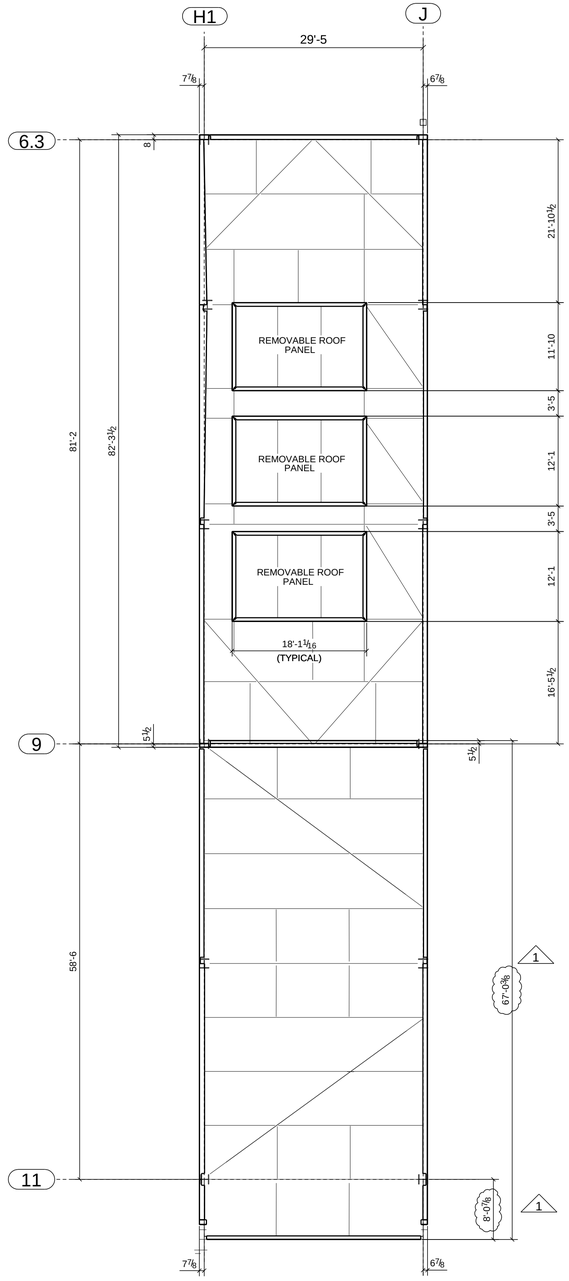
MODEL NAME: 2302_001_131 PLOTTED: 02:30:06pm 06/28/2010

JOB NORTH



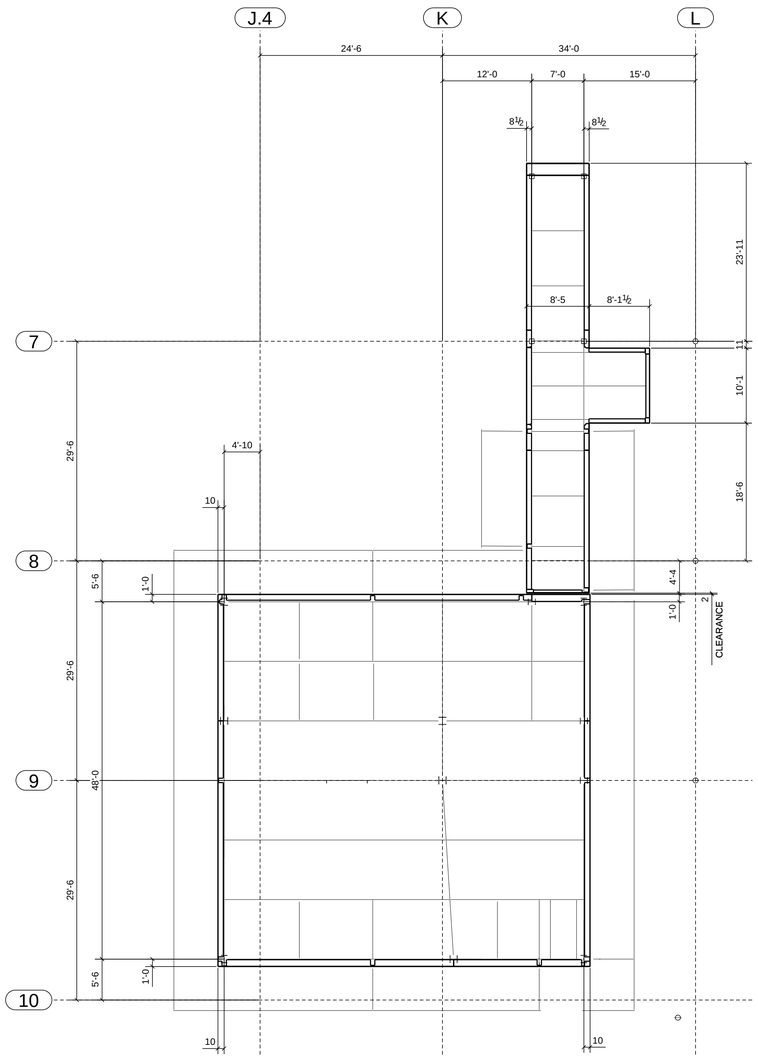
CAT WALK SLAB EDGE PLAN

(REFER TO DWG. S-2.9A & S-2.9D)



CHILLER/ELECTRICAL ROOM SLAB EDGE PLAN

(REFER TO DWG. S-2.9A)



HELIPAD AREA SLAB EDGE PLAN

(REFER TO DWG. S-2.9A)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	06/10/2010	EOS DIMENSIONS REVISED (BDS X1.045)
0	04/16/2010	ISSUED FOR APPROVAL/CONSTRUCTION

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S-2.9A & S-2.9D

MADE BY: RV | CHECKED BY: WJ | DATE: 11/30/2009

DETAILS OF: CATWALK, ELECT'L/CHILLER & HELIPAD SLAB EDGE

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		15	1

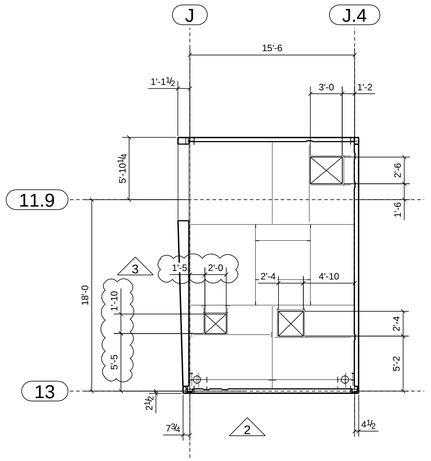
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E111

"As Built Schuff Steel" 05-10-12

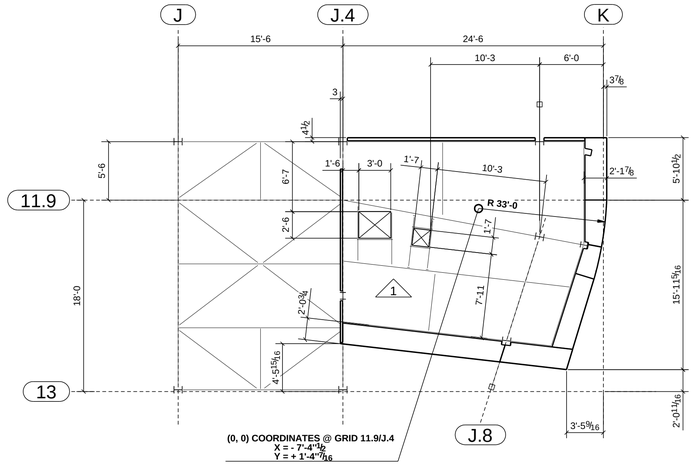
MODEL NAME: 2302_001_131 PLOTTED: 04:16:28pm 06/10/2010

JOB NORTH

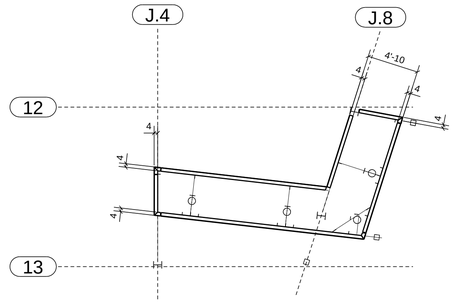
"As Built Schuff Steel" 05-10-12



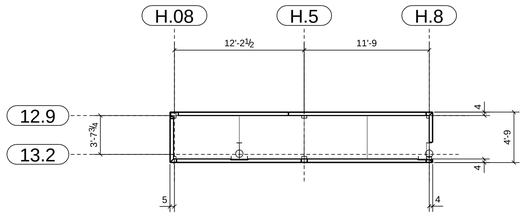
STAIR# 2 ROOF SLAB EDGE PLAN
(REFER TO DWG. S2-9A)



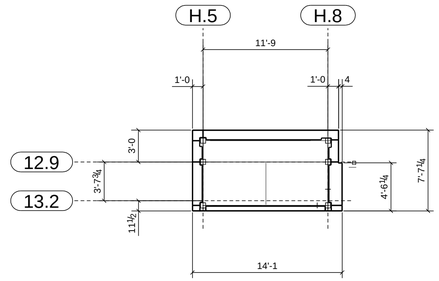
STORAGE ROOM SLAB EDGE PLAN
(REFER TO DWG. S2-9A)



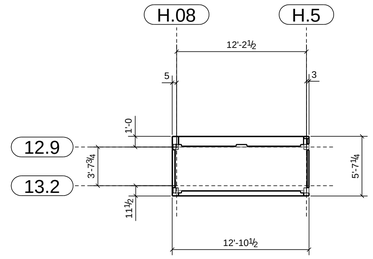
CATWALK FRAMING SLAB EDGE PLAN
(REFER TO DWG. S2-9A)



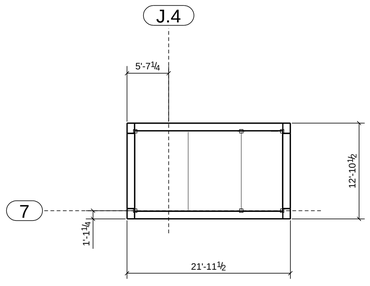
+12'-6" CATWALK SLAB EDGE PLAN
(REFER TO DWG. S-2.9A)



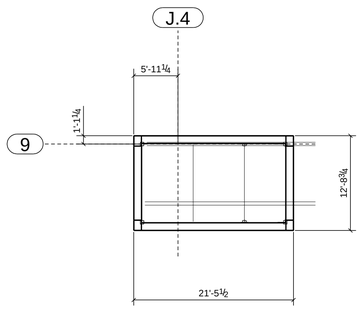
+8'-0" HIGH ROOF SLAB EDGE PLAN
(REFER TO DWG. S2-9A)



+3'-6" LOW ROOF SLAB EDGE PLAN
(REFER TO DWG. S2-9A)



ROOF SLAB EDGE PLAN
(REFER TO DWG. S-2.9A)



ROOF SLAB EDGE PLAN
(REFER TO DWG. S-2.9A)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	12/10/2010	ROOF OPENING LOCATION AND SIZE REVISED PER CON RFI # 2097 (BDS X3.059)
2	07/16/2010	ROOF OPENING LOCATION AND SIZE REVISED (BDS X1.043)
1	06/02/2010	ROOF OPENING FRAMES ADDED (BDS X3.047 - MCC RFI # 1137)
0	04/16/2010	ISSUED FOR APPROVAL/CONSTRUCTION

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S-2.9A & S-2.9D

MADE BY: RV | CHECKED BY: WJ | DATE: 11/30/2009

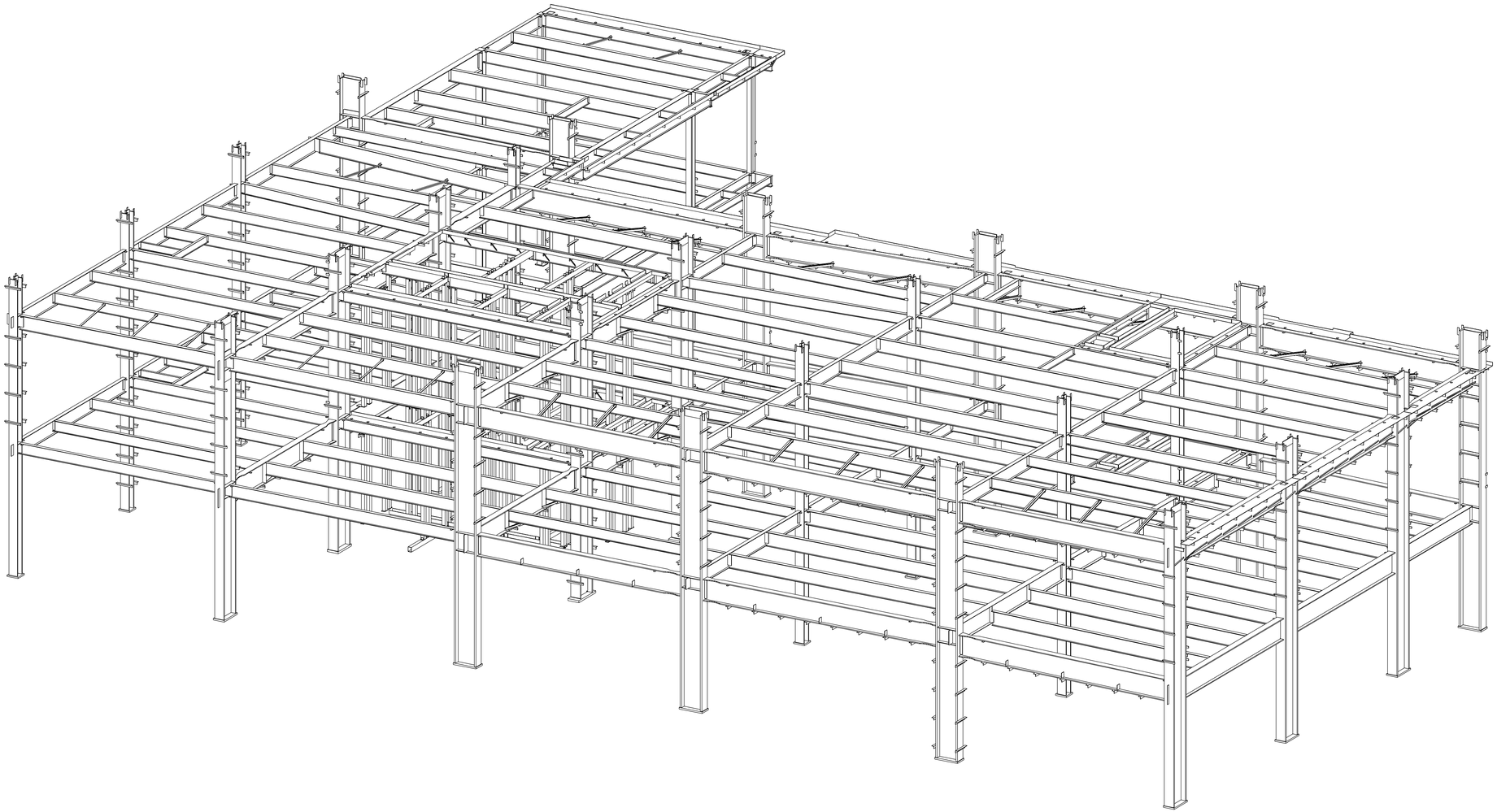
DETAILS OF: STR.#2 ROOF, HIGH ROOF & OTHERS SLAB EDGE
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		15	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E112

MODEL NAME: 2302_001_131 PLOTTED: 12:00:00pm 12/10/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 1 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	11/06/2009	3D VIEW UPDATED (BDS X1.018)
0	09/23/2009	ISSUED FOR CONSTRUCTION
B	08/21/2009	RE-ISSUED FOR APPROVAL (VIEW UPDATED)
A	08/04/2009	ISSUED FOR APPROVAL (COLUMNS ONLY)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1

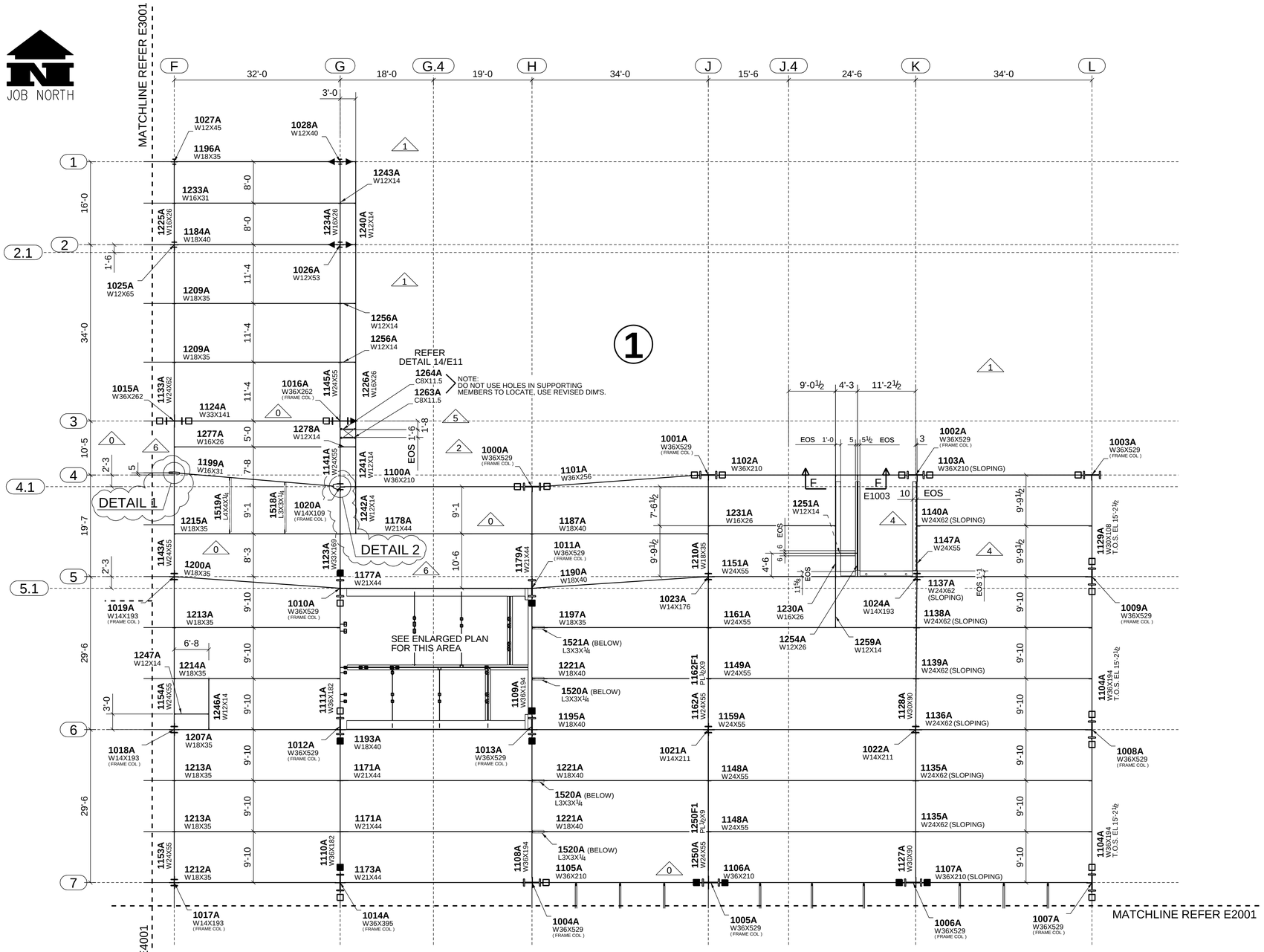
MADE BY: BM | CHECKED BY: WJ | DATE: 07/22/2009

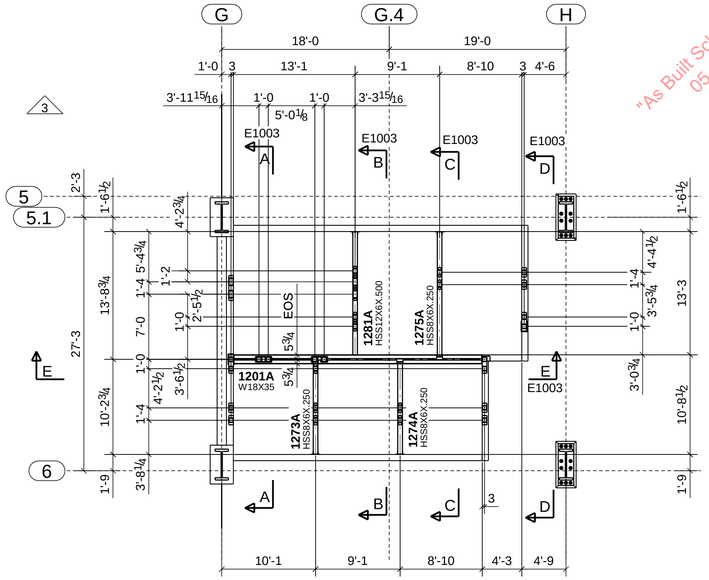
DETAILS OF: SEQUENCE 1 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		1	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E1000

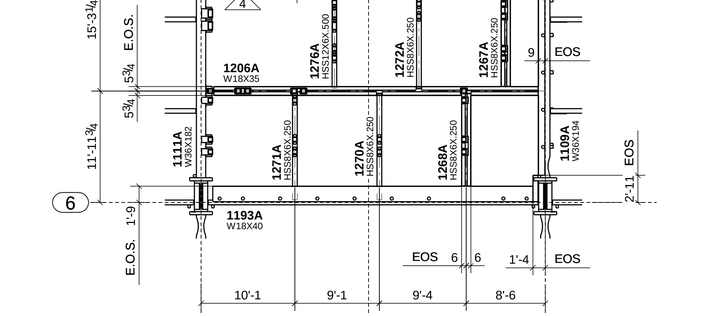
MODEL NAME: 2352_001_131 PLOTTED: 03:46:13pm 11/06/2009





LOWER LEVEL FRAMING PLAN - SEQ 1

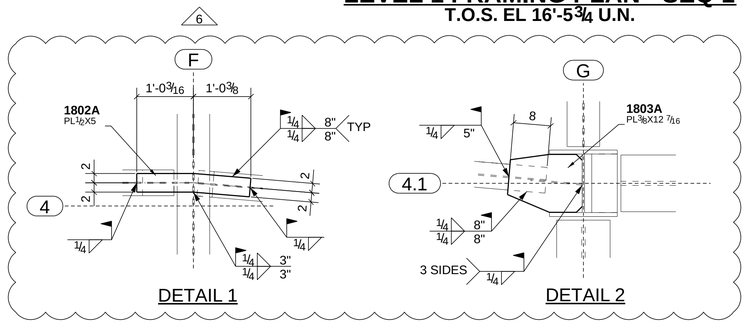
T.O.S. EL -6¼



LEVEL 1 ENLARGED PLAN - SEQ 1

LEVEL 1 FRAMING PLAN - SEQ 1

T.O.S. EL 16'-5¾ U.N.



ERECTION NOTES

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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

6	03/15/2010	DETAILS ADDED (BDS X1.035)
5	03/02/2010	OPENING LOCATION REV'D PER SS RFI # 449 (BDS X3.016)
4	11/20/2009	OPENING DIMENSIONS REV'D & POURSTOP REMOVED(BDS X1.020),
3	11/06/2009	ELEVATOR AREA UPDATED (BDS X1.018)
2	10/09/2009	OPENING DIMENSION REVISED (BDS X1.010)
1	09/28/2009	BEAM STUB ASSEMBLY MARKS REMOVED (BDS X2.005)
0	09/23/2009	ISSUED FOR CONSTRUCTION
B	08/21/2009	RE-ISSUED FOR APPROVAL (BEAM MARKS ADDED)
A	08/04/2009	ISSUED FOR APPROVAL (COLUMNS ONLY)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.1

MADE BY: BM | CHECKED BY: WJ | DATE: 07/22/2009

DETAILS OF: SEQUENCE 1 - LEVEL 1 PLAN

STRUCTURE: CHOC HOSPITAL

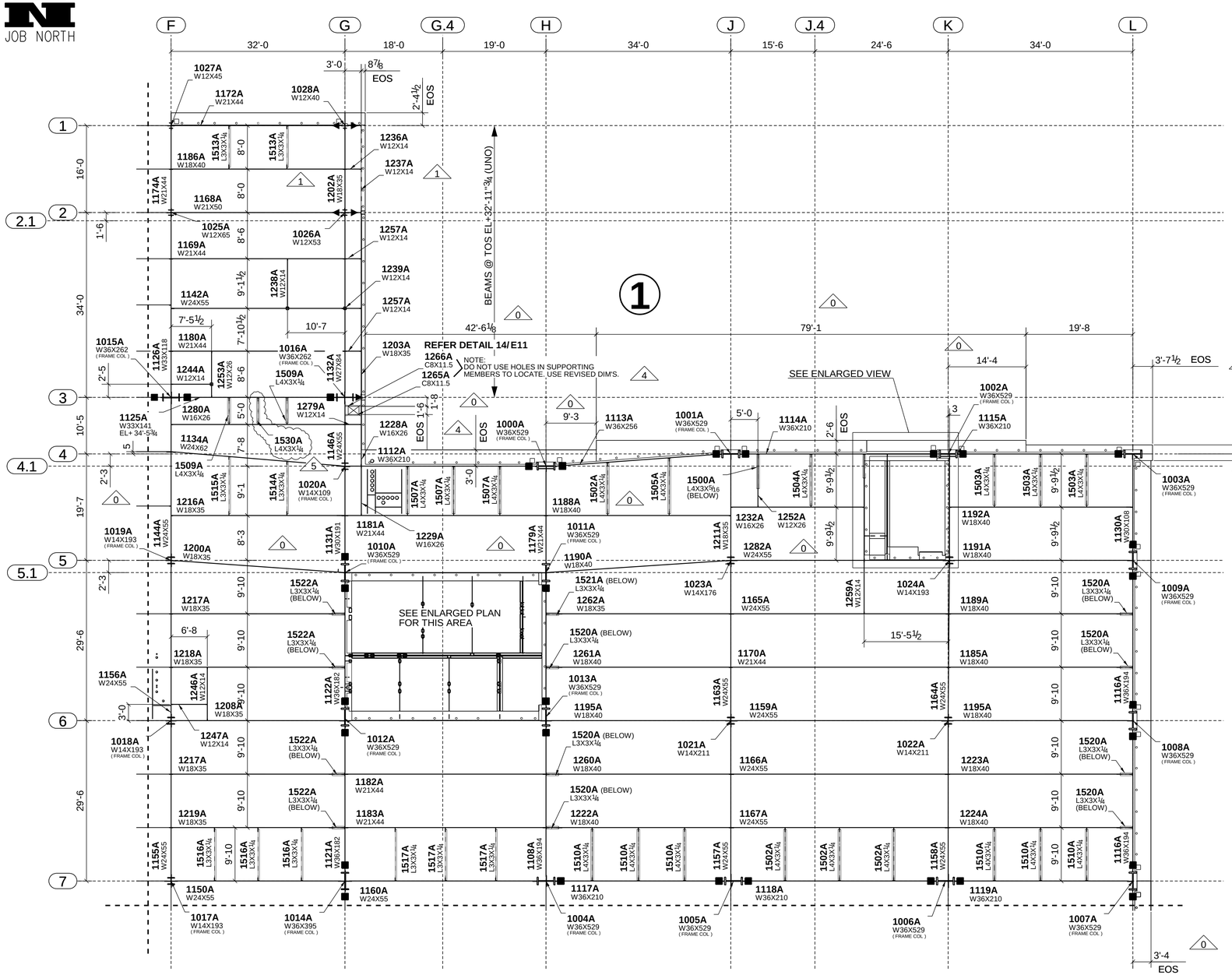
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		1	6

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E1001

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 03:31:00pm 03/19/2010


F
G
G.4
H
J
J.4
K
L
32'-0
18'-0
19'-0
34'-0
15'-6
24'-6
34'-0
1
2
2.1
3
4
4.1
5
5.1
6
7
1027A W12X45
1172A W21X44
1028A W12X40
1236A W12X14
1237A W12X14
1186A W18X40
1168A W21X50
1025A W12X65
1026A W12X53
1257A W12X14
1239A W12X14
1257A W12X14
1142A W24X55
1238A W12X14
1180A W21X44
1016A W36X262 (FRAME COL)
1015A W36X262 (FRAME COL)
1126A W33X118
1244A W12X14
1253A W12X26
1509A L4X3X¼
1132A W27X84
1125A W33X141 EL+ 34'-5¾
1280A W16X26
1279A W12X14
1530A L4X3X¼
1134A W24X62
1146A W24X55
1509A L4X3X¼
1515A L3X3X¼
1514A L3X3X¼
1020A W14X109 (FRAME COL)
1216A W18X35
1019A W14X193 (FRAME COL)
1144A W24X55
1200A W18X35
1131A W30X191
1181A W21X44
1229A W16X26
1010A W36X529 (FRAME COL)
1522A L3X3X¼ (BELOW)
1217A W18X35
1218A W18X35
1246A W12X14
1247A W12X14
1156A W24X55
1018A W14X193 (FRAME COL)
1522A L3X3X¼ (BELOW)
1012A W36X529 (FRAME COL)
1217A W18X35
1182A W21X44
1522A L3X3X¼ (BELOW)
1183A W21X44
1219A W18X35
1155A W24X55
1516A L3X3X¼
1516A L3X3X¼
1516A L3X3X¼
1121A W36X182
1517A L3X3X¼
1517A L3X3X¼
1517A L3X3X¼
1108A W36X194
1150A W24X55
1160A W24X55
1017A W14X193 (FRAME COL)
1014A W36X395 (FRAME COL)
1004A W36X529 (FRAME COL)
1117A W36X210
1005A W36X529 (FRAME COL)
1118A W36X210
1006A W36X529 (FRAME COL)
1119A W36X210
1007A W36X529 (FRAME COL)
1003A W36X529 (FRAME COL)
1009A W36X529 (FRAME COL)
1008A W36X529 (FRAME COL)
1130A W30X108
1116A W36X194
1520A L3X3X¼ (BELOW)
1189A W18X40
1185A W18X40
1195A W18X40
1223A W18X40
1224A W18X40
1192A W18X40
1191A W18X40
1115A W36X210
1114A W36X210
1002A W36X529 (FRAME COL)
1001A W36X529 (FRAME COL)
1113A W36X256
1000A W36X529 (FRAME COL)
1228A W16X26
1112A W36X210
1188A W18X40
1502A L4X3X¼
1505A L4X3X¼
1500A L4X3X5/16 (BELOW)
1504A L4X3X¼
1503A L4X3X¼
1232A W16X26
1252A W12X26
1282A W24X55
1011A W36X529 (FRAME COL)
1190A W18X40
1521A (BELOW) L3X3X¼
1262A W18X35
1520A (BELOW) L3X3X¼
1261A W18X40
1013A W36X529 (FRAME COL)
1195A W18X40
1520A (BELOW) L3X3X¼
1260A W18X40
1182A W21X44
1520A (BELOW) L3X3X¼
1222A W18X40
1179A W21X44
1211A W18X35
1023A W14X176
1165A W24X55
1259A W12X14
1024A W14X193
1170A W21X44
1163A W24X55
1159A W24X55
1164A W24X55
1021A W14X211
1166A W24X55
1022A W14X211
1167A W24X55
1158A W24X55
1502A L4X3X¼
1502A L4X3X¼
1502A L4X3X¼
1510A L4X3X¼
1510A L4X3X¼
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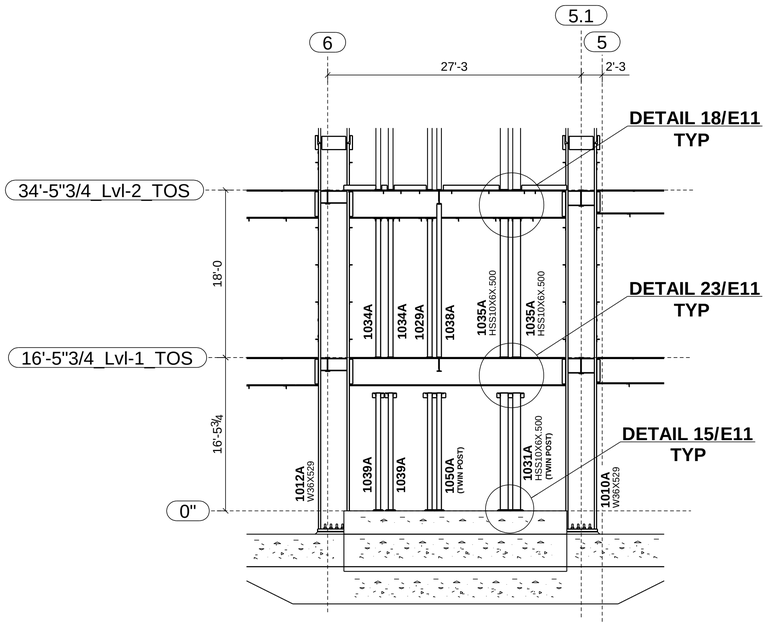
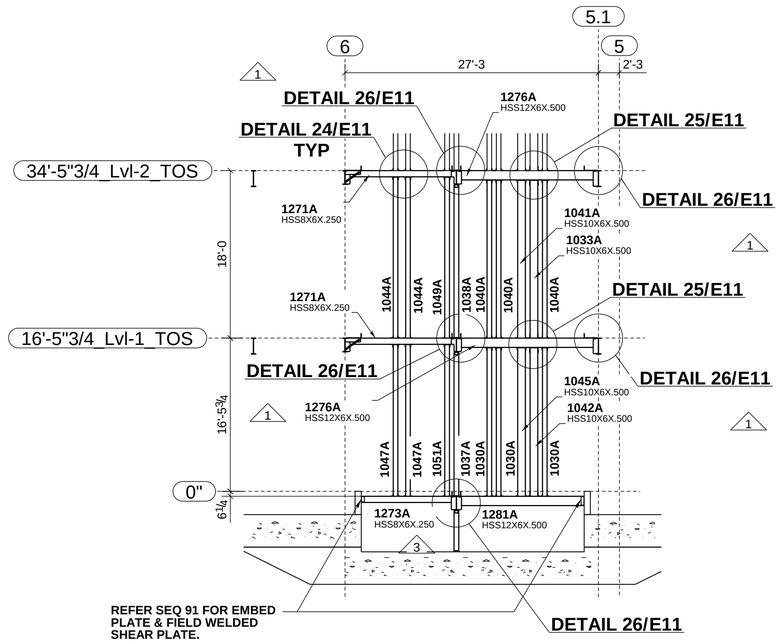
1510A L4X3X¼
1510A L4X3X¼
1510A L4X3X¼



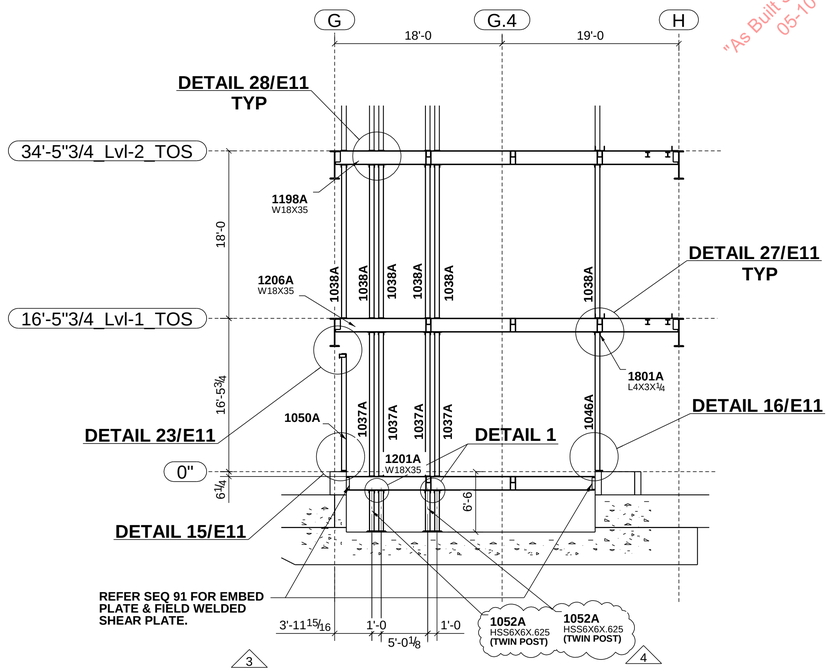
SECTION A - A
(E1001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



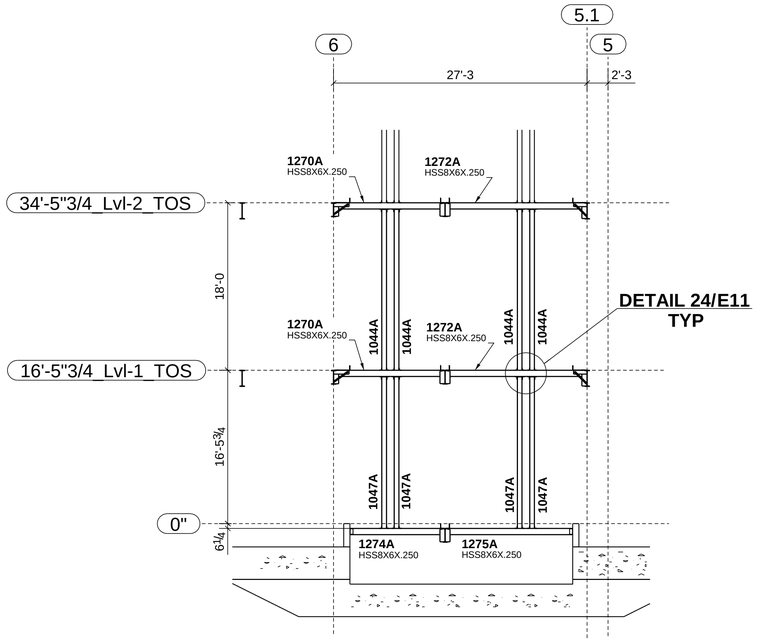
SECTION B - B
(E1001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



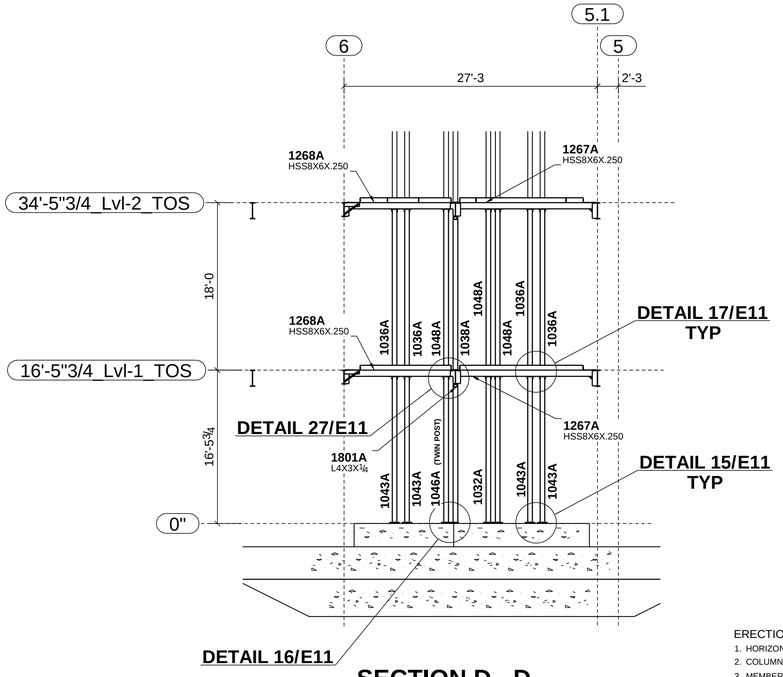
SECTION E - E
(E1001)

"As Built Schuff Steel" 05-10-12



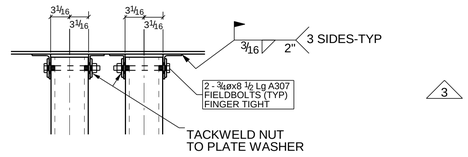
SECTION C - C
(E1001)

NOTE: ALL POSTS HSS6X6X0.500



SECTION D - D
(E1001)

NOTE: ALL POSTS HSS6X6X0.500



DETAIL 1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

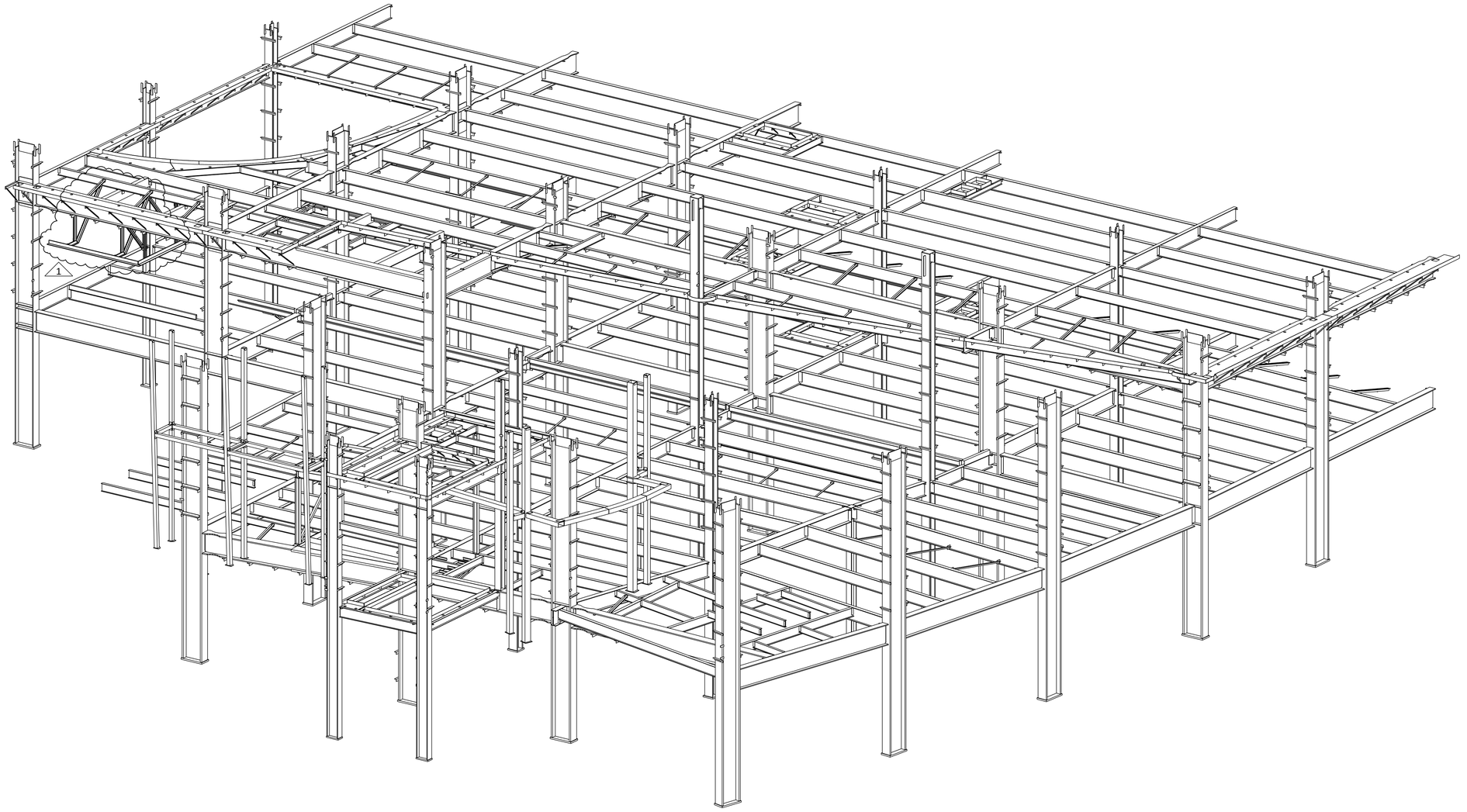
4	04/30/2010	HSS WALL THICKNESS REVISED PER SCHUFF RFI # 560
3	04/22/2010	POSTS ADDED (BDS X3.043)
2	12/04/2009	NOTE REGARDING LOCATION OF HSS POSTS REMOVED
1	11/20/2009	DETAIL REFERENCE ADDED
0	11/06/2009	ISSUED FOR RE-APPROVAL / CONSTRUCTION (BDS X1.018)
A	08/21/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.1						
MADE BY: BM	CHECKED BY: WJ	DATE: 07/22/2009	M	C	H	SEQ: 1 / REV: 4
DETAILS OF: SEQUENCE 1 - ELEVATIONS						
STRUCTURE: CHOC HOSPITAL						
LOCATION: TOWER II						JOB NUMBER: 2802 / FAB: SS / SHEET NUMBER: E1003

MODEL NAME: 2352_001_131 PLOTTED: 11:53:38am 04/30/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 2 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	09/08/2010	ENTRANCE FRAMING ADDED (BDS X1.059)
0	10/21/2009	ISSUED FOR CONSTRUCTION
A	10/01/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1

MADE BY: BDS | CHECKED BY: WJ | DATE: 07/22/2009

DETAILS OF: SEQUENCE 2 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		2	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E2000

MODEL NAME: 2352_001_131 PLOTTED: 12:10:20pm 09/08/2010

JOB NORTH

"As Built Schuff Steel" 05-10-12

MATCHLINE REFER E4001

MATCHLINE REFER E1001

REFER DETAIL 14/E11
2308A C8X11.5

LEVEL 1 FRAMING PLAN - SEQ 2
T.O.S. EL 16'-5¾ U.N.

SEE ENLARGED PLAN-1

SEE ENLARGED PLAN-2

B - B

ENLARGED PLAN - 1
T.O.S. EL 16'-5¾ U.N.

ENLARGED PLAN - 2
T.O.S. EL 16'-5¾ U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

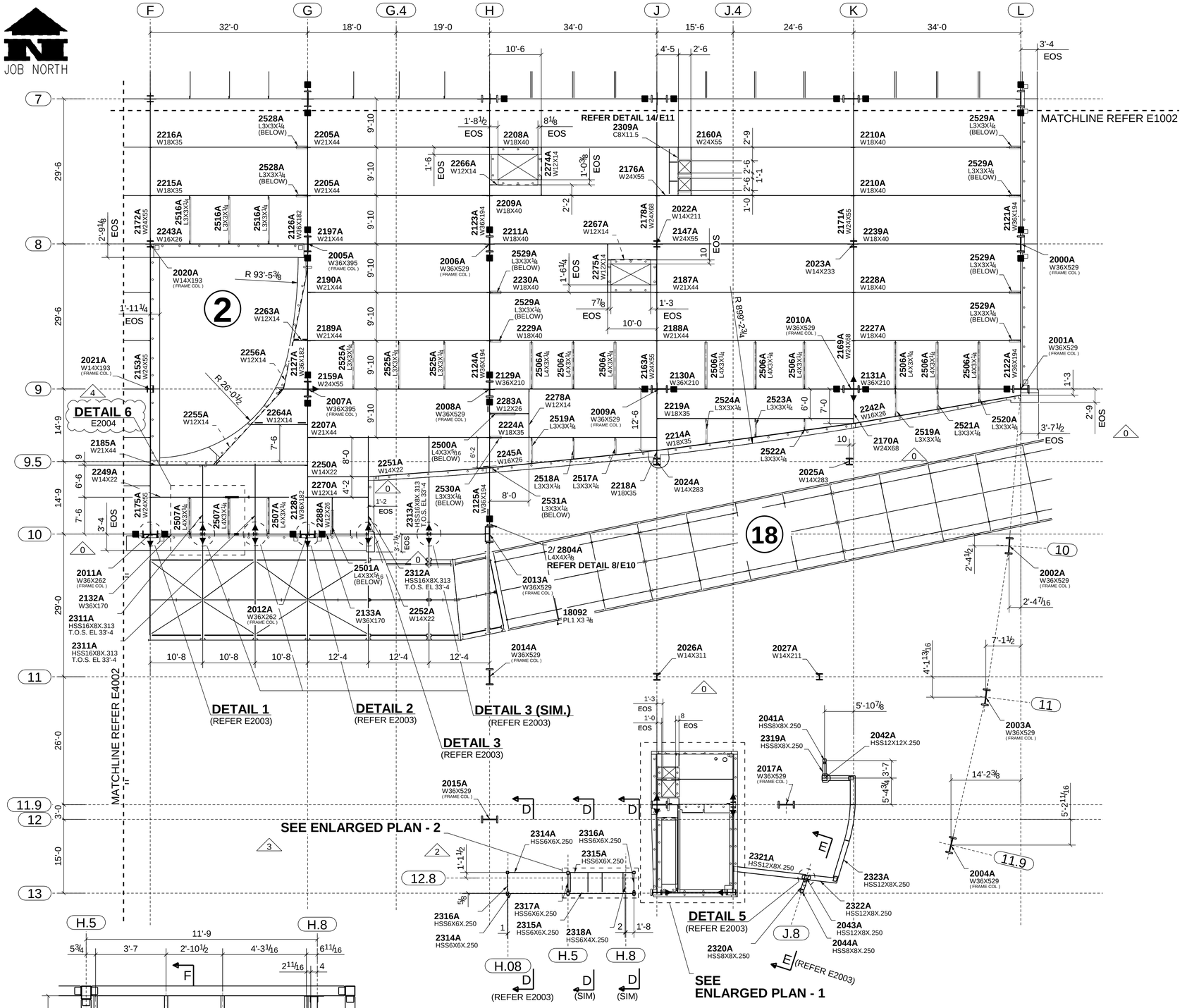
4	06/23/2010	BEAM LEVELS REVISED (SCHUFF RFI# 588, MCC RFI#1461 - BDS X3.052)
3	03/15/2010	SECTION FOR SITE WELD ADDED (BDS X1.035)
2	01/22/2010	EDGE OF SLAB MODIFIED/PART MARK ADDED (BDS X3.010). DIM REV
1	11/20/2009	OPENING DIMENSION REVISED (BDS X1.020)
0	10/21/2009	ISSUED FOR CONSTRUCTION
A	10/01/2009	ISSUED FOR APPROVAL

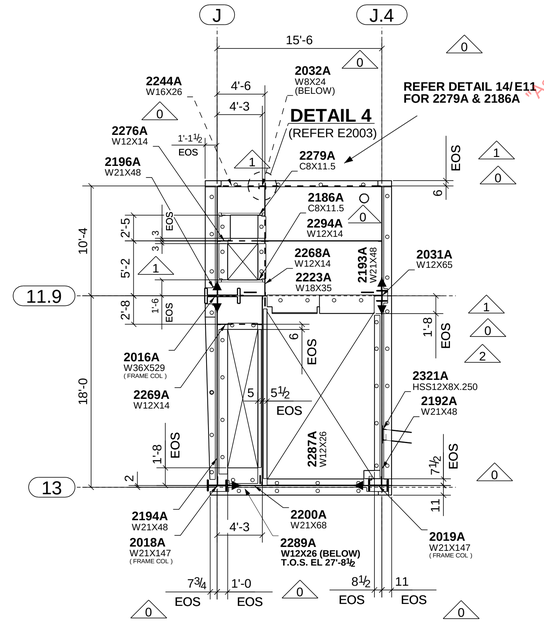
SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

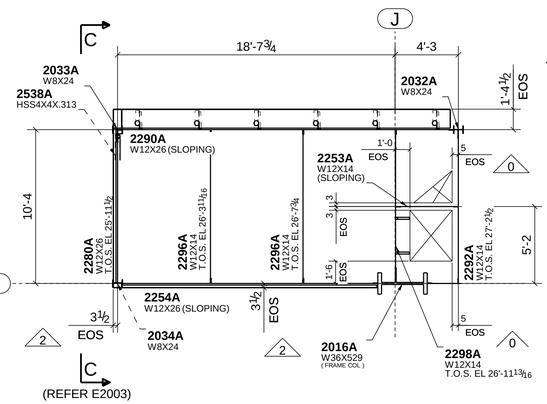
DESIGN DRAWING REFERENCE: S2.1					
MADE BY: RV	CHECKED BY: WJ	DATE: 07/27/2009	M	C	H
DETAILS OF: SEQUENCE 2 - LEVEL 1 PLAN			SEQ: 2	REV: 4	
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II			JOB NUMBER: 2802	FAB: SS	SHEET NUMBER: E2001

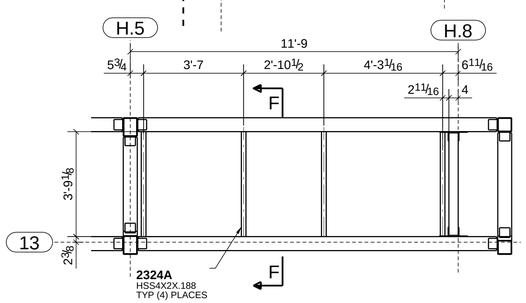
MODEL NAME: 2352_001_131 PLOTTED: 04:12:14pm 06/23/2010

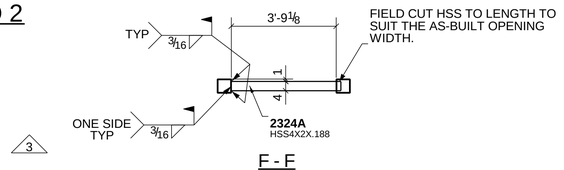
JOB NORTH











4	09/08/2010	DETAIL REFERENCE ADDED (BDS X1.059)
3	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
2	01/22/2010	EDGE OF SLAB MODIFIED (BDS X3.010). DIM REV
1	11/20/2009	OPENING DIMENSIONS REVISED (BDS X1.020)
0	10/21/2009	ISSUED FOR CONSTRUCTION
A	10/01/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

ERECTION NOTES

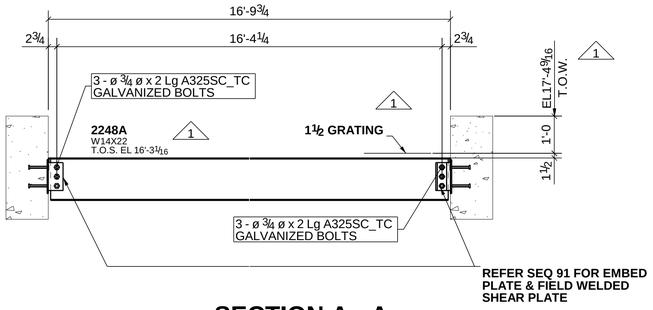
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

DESIGN DRAWING REFERENCE: S2.2					
MADE BY: RV	CHECKED BY: WJ	DATE: 07/27/2009	M	C	H
DETAILS OF: SEQUENCE 2 - LEVEL 2 PLAN					
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II					

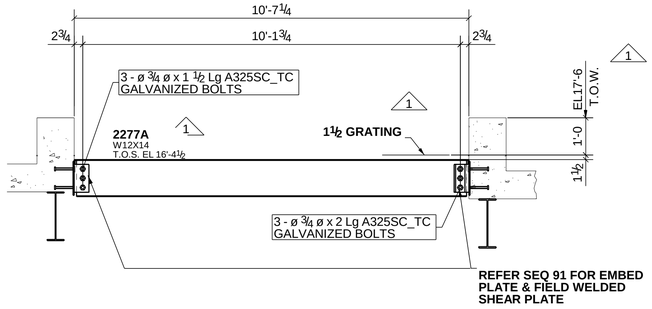
SEQ	REV
2	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E2002

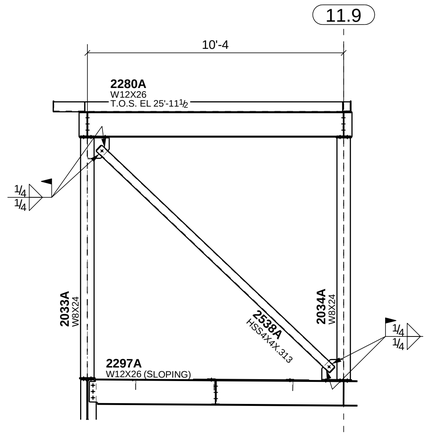
As Built Schuff Steel 05-10-12



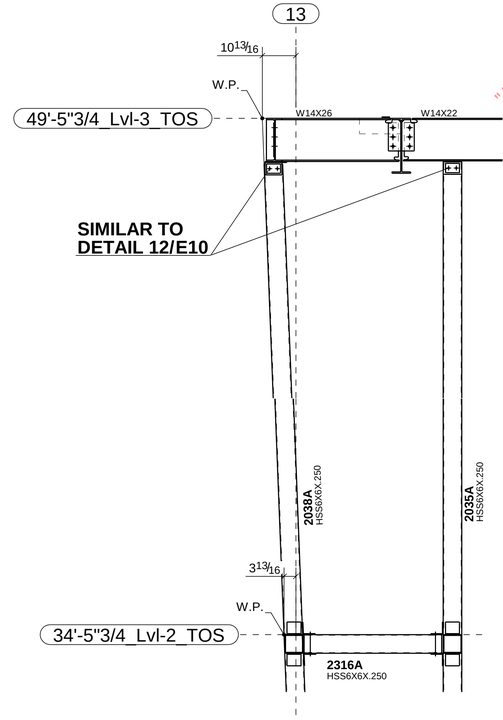
SECTION A - A
(REFER E2001)



SECTION B - B
(REFER E2001)

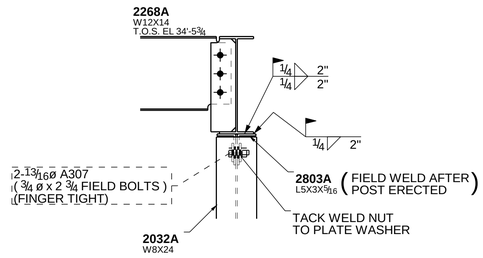


SECTION C - C
(REFER E2002)

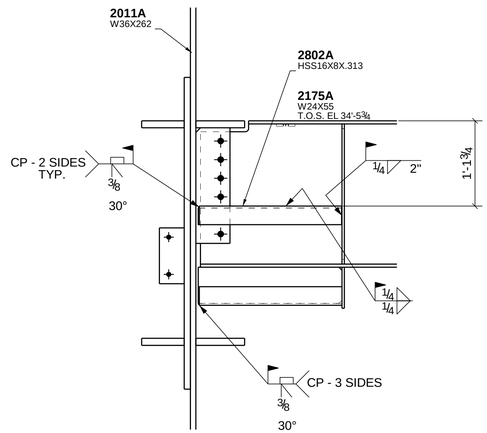


"As Built Schuff Steel" 05-10-12

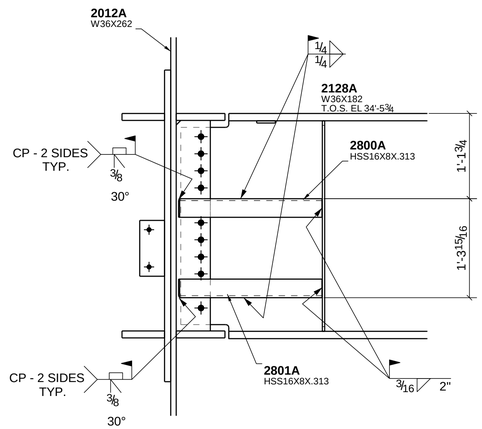
SECTION D - D
(REFER E2002)



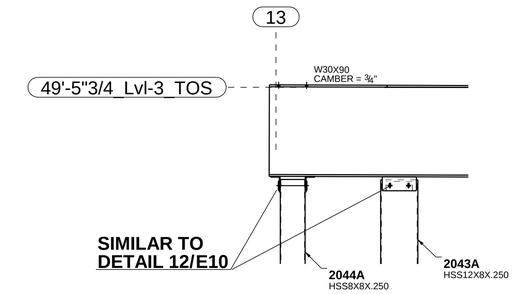
DETAIL 4
(REFER E2002)



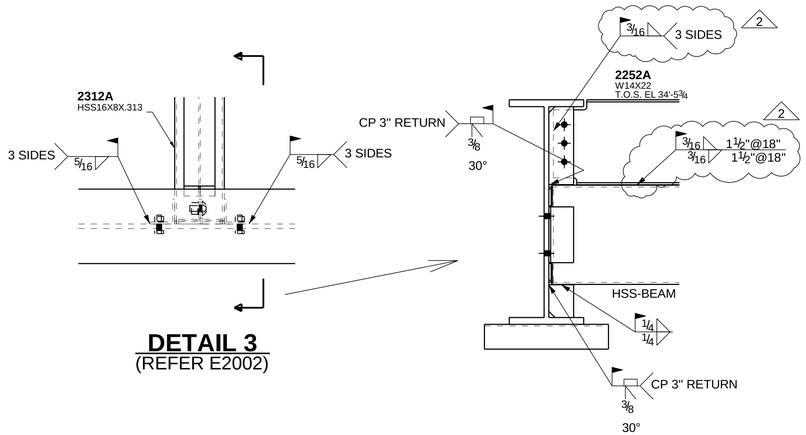
DETAIL 1
(REFER E2002)



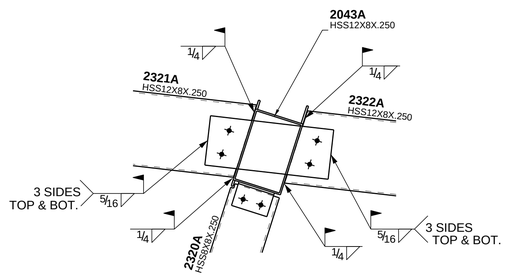
DETAIL 2
(REFER E2002)



SECTION E - E
(REFER E2002)



DETAIL 3
(REFER E2002)



DETAIL 5
(REFER TO E2002)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/01/2010	FIELD WELDS ADDED TO DETAIL 3 PER B4/S6.8 (BDS X1.060)
1	06/23/2010	BEAM LEVELS REVISED (SCHUFF RFI# 588, MCC RFI#1461 - BDS X3.052)
0	10/21/2009	ISSUED FOR CONSTRUCTION
A	10/01/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1 & S2.2

MADE BY: RV | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 2 - SECTIONS & DETAILS

STRUCTURE: CHOC HOSPITAL

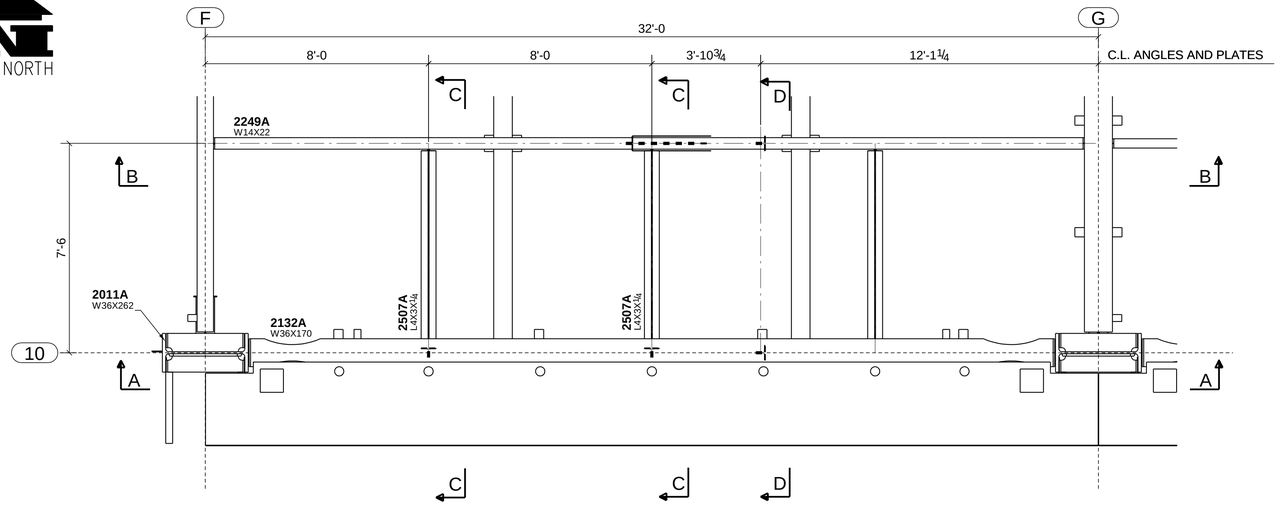
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		2	2

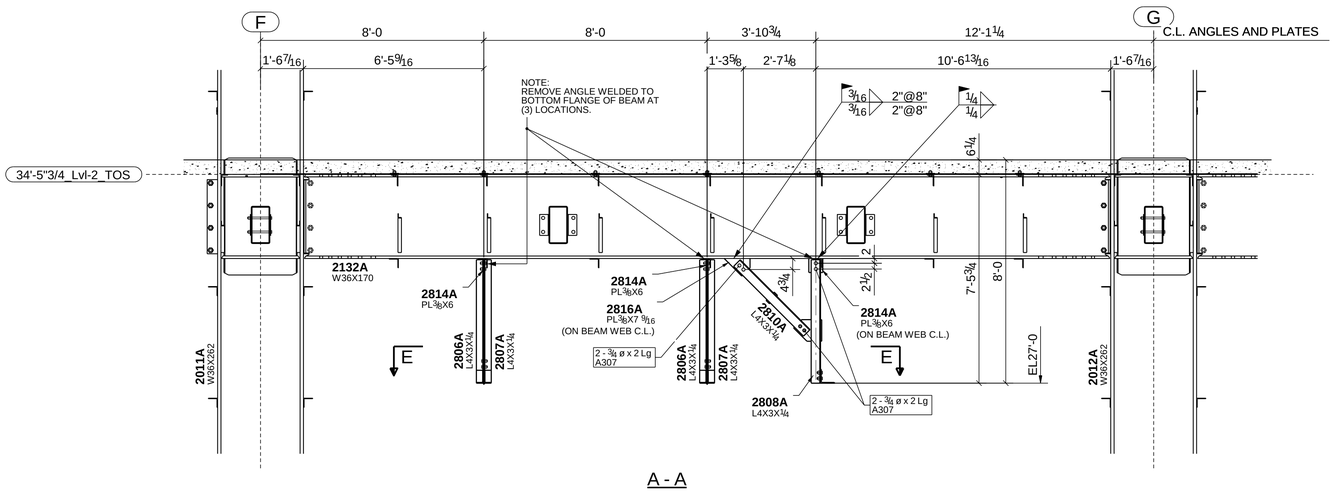
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E2003

MODEL NAME: 2302_001_131 PLOTTED: 07:25:55am 10/01/2010

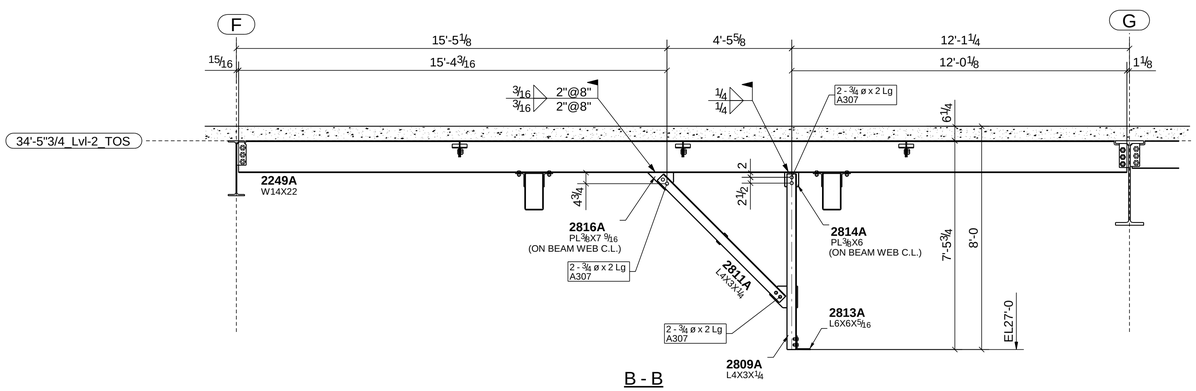
JOB NORTH



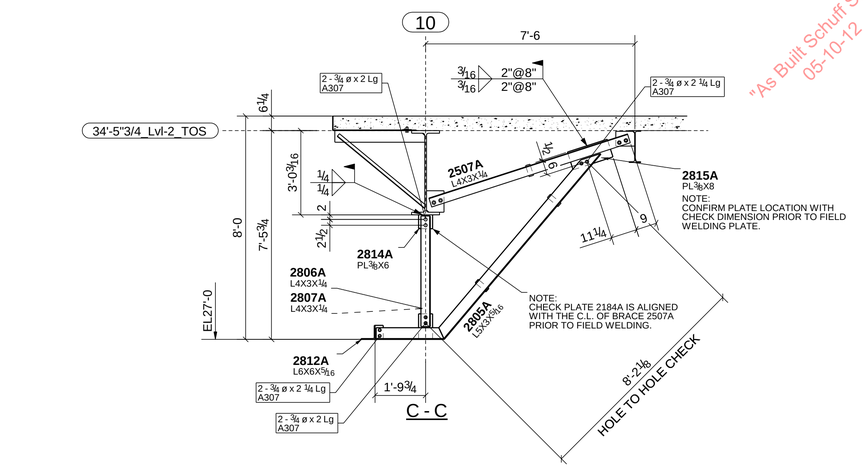
DETAIL 6
(E2002)

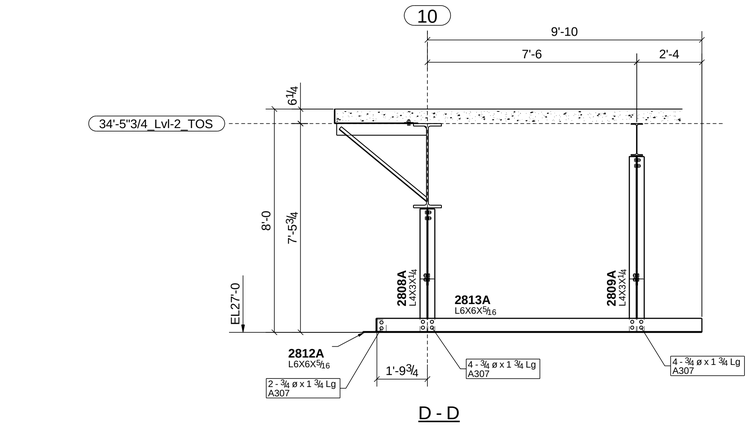


A - A

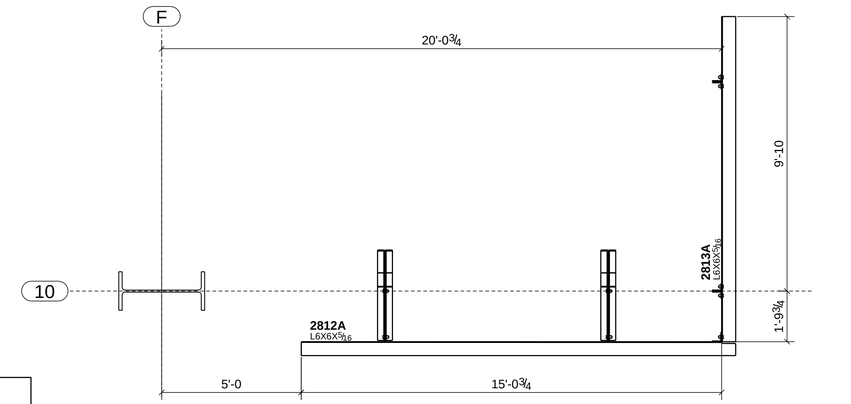


B - B





D - D



E - E

FIELD BOLT SUMMARY:

(10) - 3/4ø x 1 3/4 Lg A307 (with NUT & FRW)
(20) - 3/4ø x 2" Lg A307 (with NUT & FRW)
(8) - 3/4ø x 2 1/4 Lg A307 (with NUT & FRW)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

0	09/08/2010	ISSUED FOR CONSTRUCTION (BDS X1.059)

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2B & S6.29

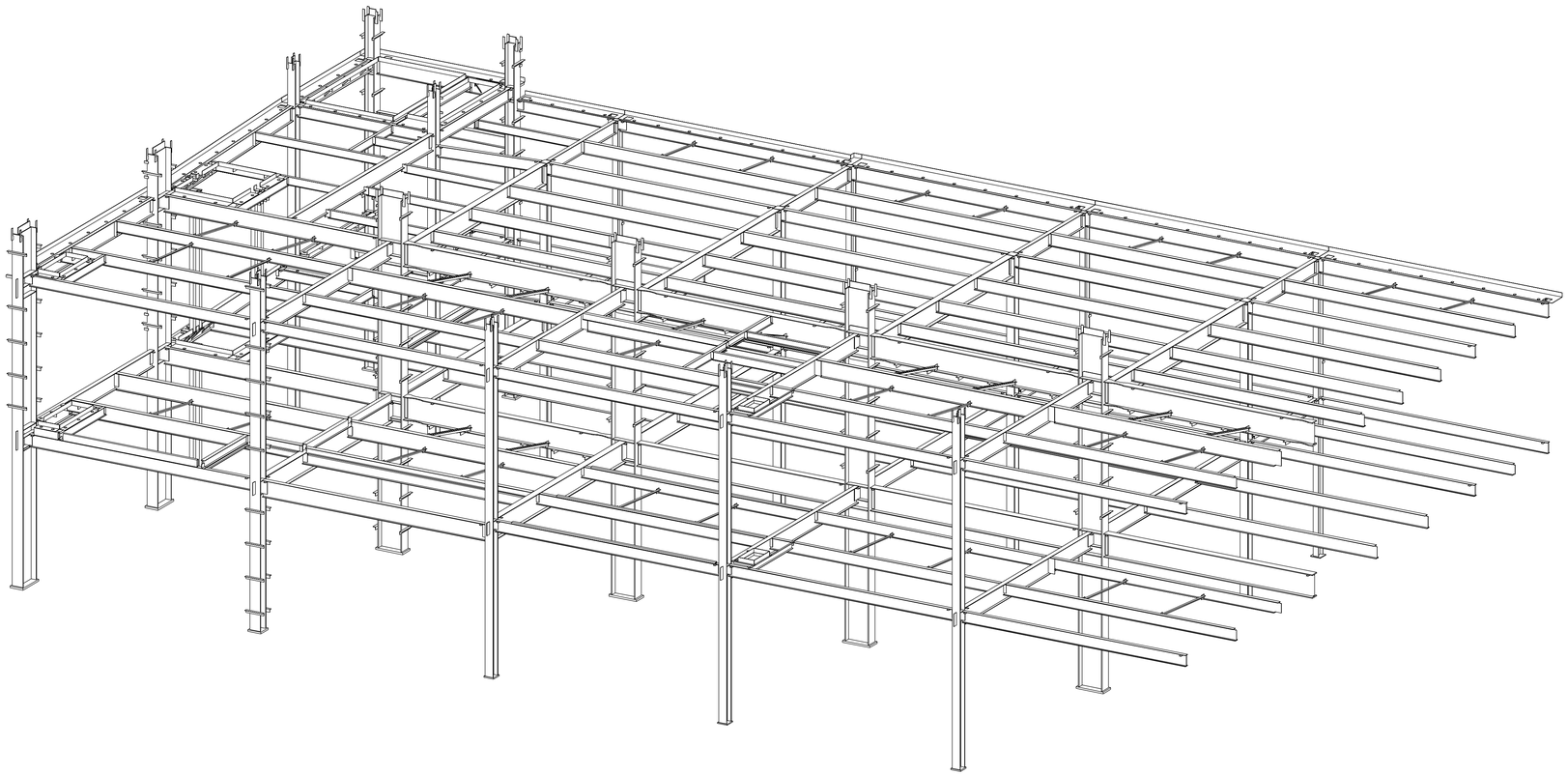
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	08/25/2009		X		2	0

DETAILS OF: SEQUENCE 2 - ENTRANCE DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E2004

MODEL NAME: 2302_001_131 PLOTTED: 12:10:36pm 09/08/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 3 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	11/05/2009	ISSUED FOR CONSTRUCTION
A	10/08/2009	ISSUED FOR APPROVAL

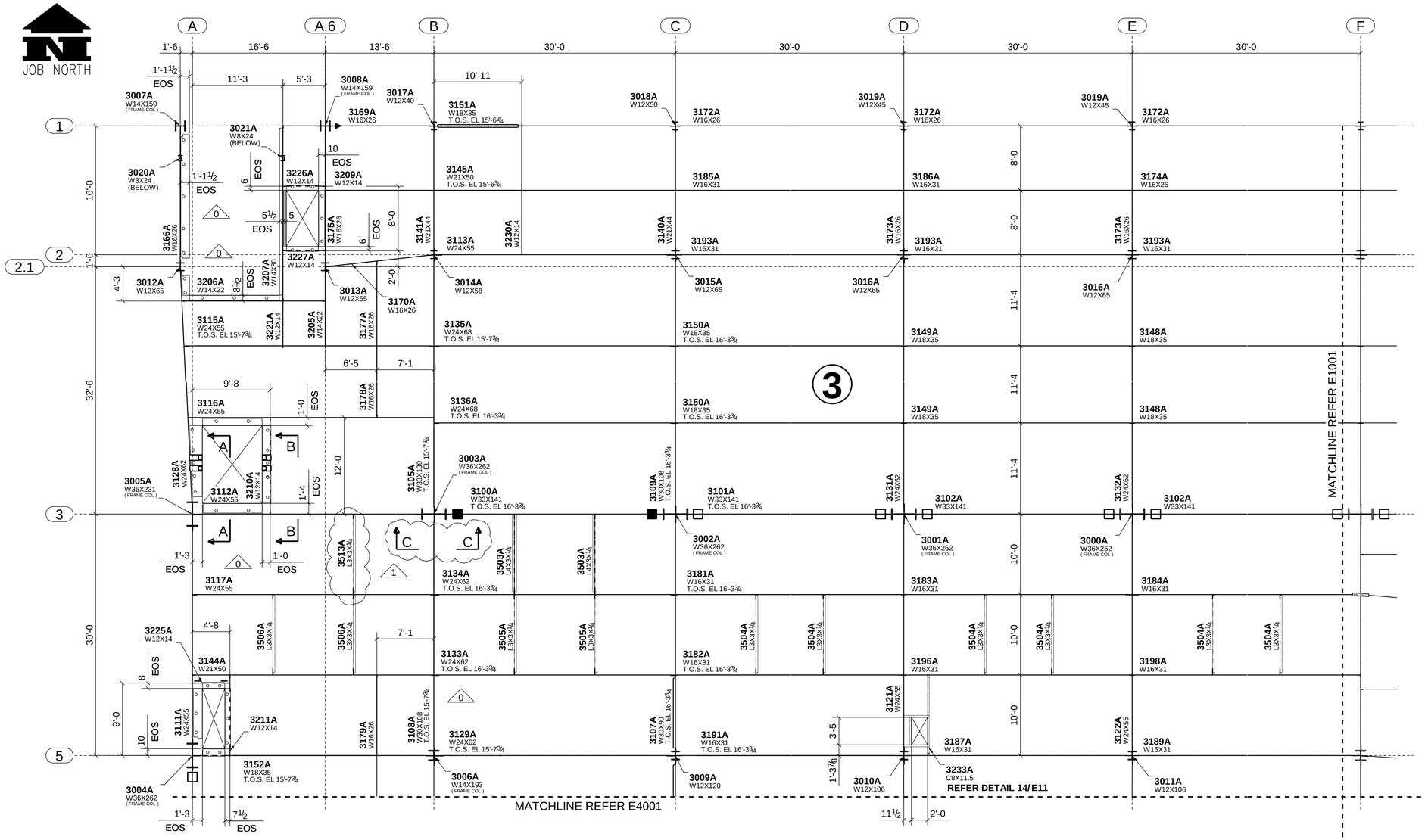
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:

MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
DETAILS OF: SEQUENCE 3 - 3D				X		3	0
STRUCTURE: CHOC HOSPITAL							
LOCATION: TOWER II							

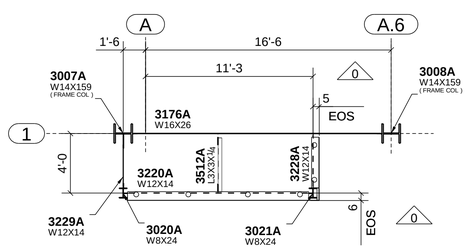
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E3000

MODEL NAME: 2352_001_131 PLOTTED: 04:05:26pm 11/05/2009



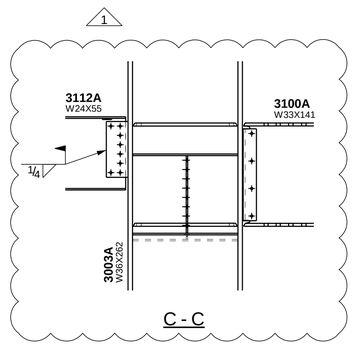
LEVEL 1 FRAMING PLAN - SEQ 3

T.O.S. EL 16'-5 ¾ U.N.

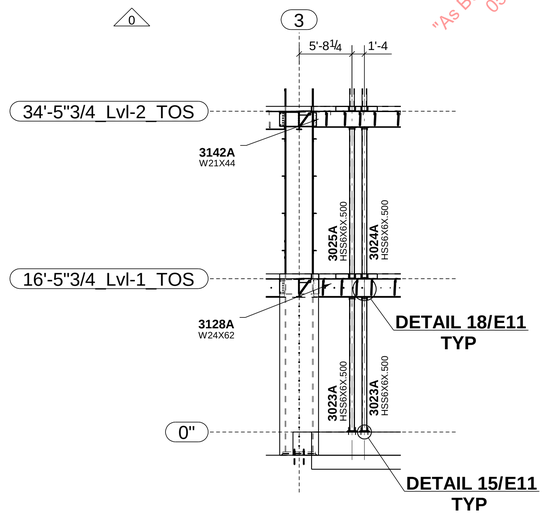


LOWER LEVEL 1 PLAN

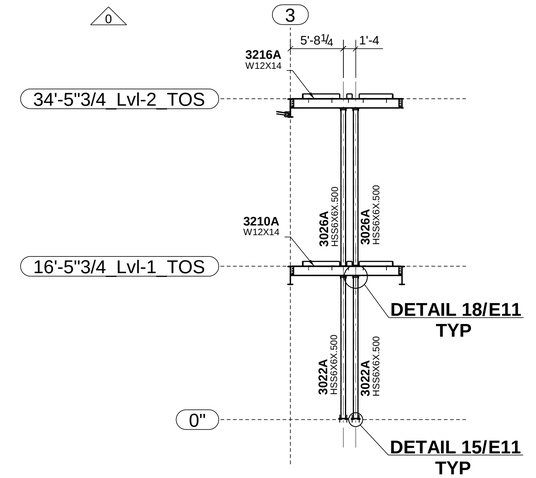
T.O.S. EL 13'-0 ¾ U.N.



C - C



SECTION A - A



SECTION B - B

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	03/15/2010	MEMBERS/SECTION ADDED (BDS X1.035)
0	11/05/2009	ISSUED FOR CONSTRUCTION
A	10/08/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1

MADE BY: RV | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 3 - LEVEL 1 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

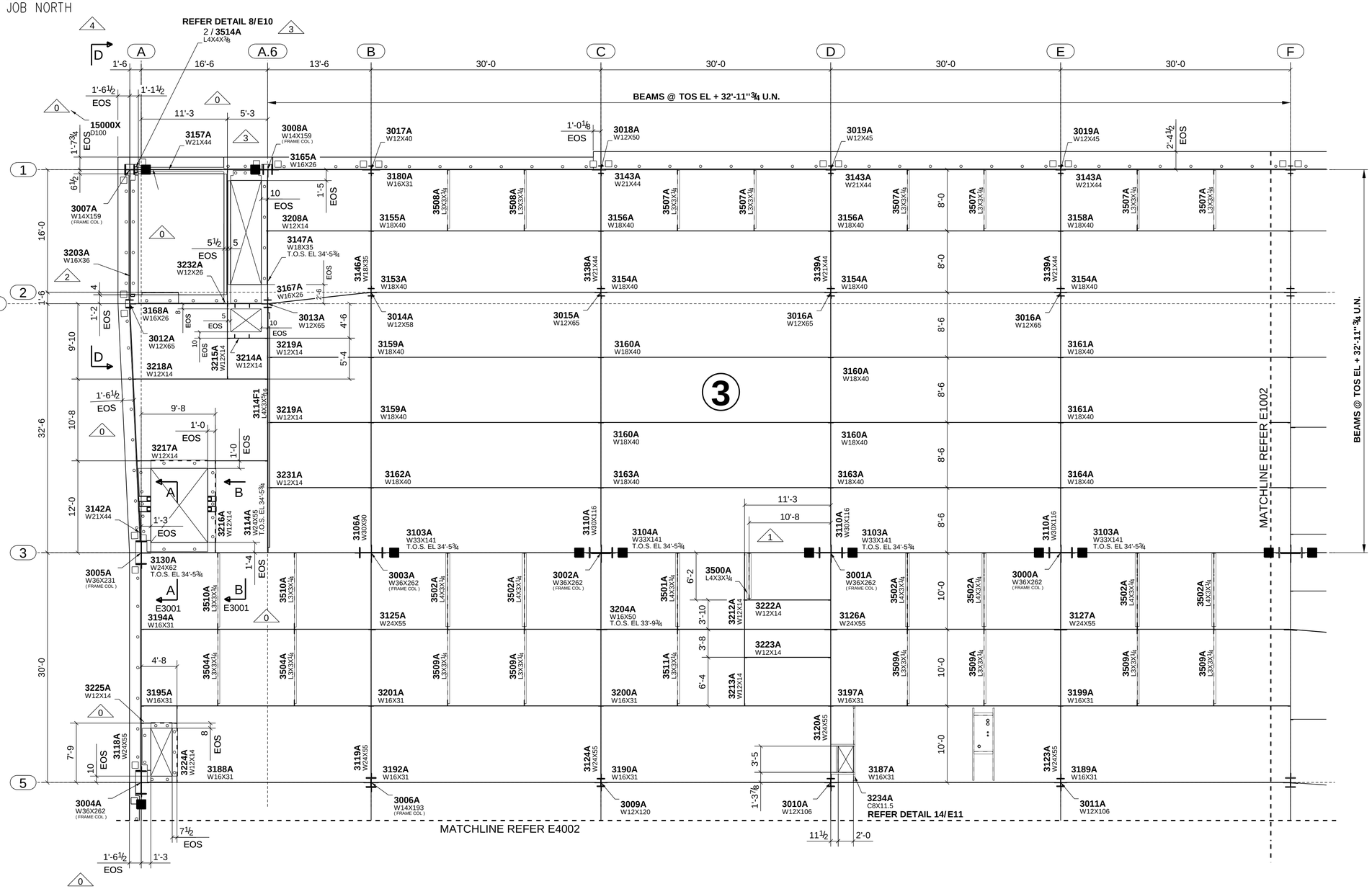
M	C	H	SEQ	REV
	X		3	1

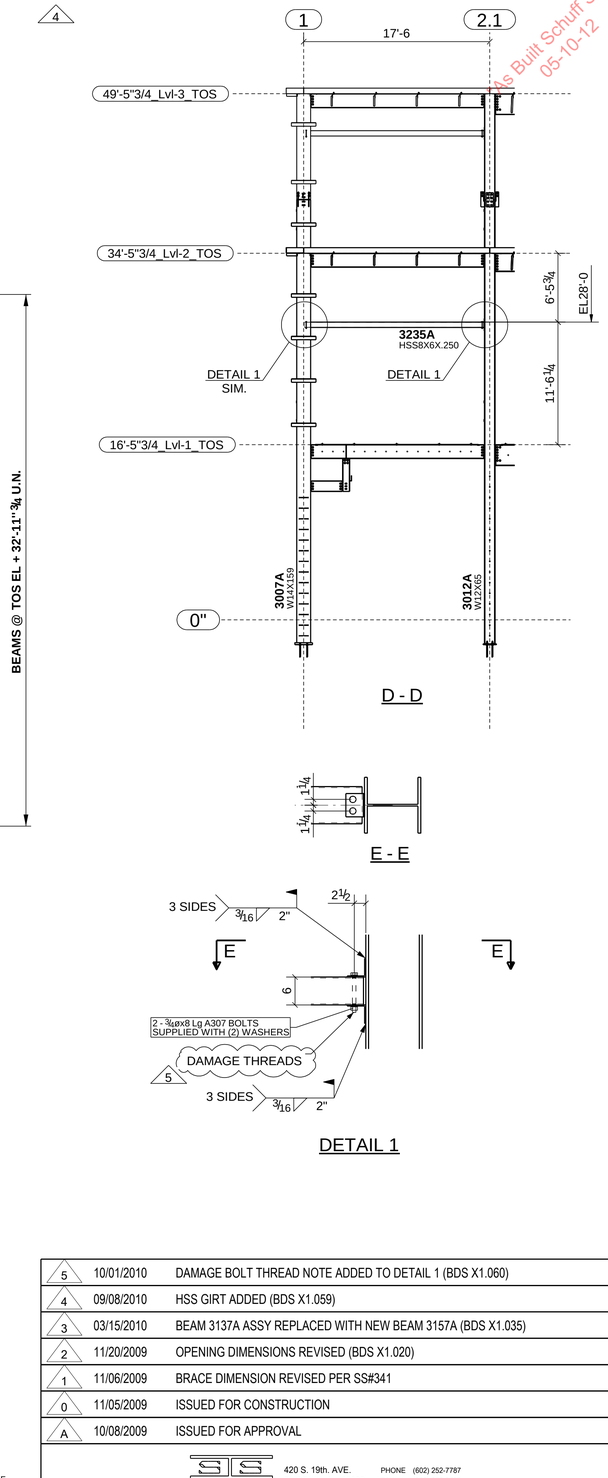
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E3001

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 03:31:28pm 03/19/2010

JOB NORTH





As Built Schuff Steel 05-10-12

LEVEL 2 FRAMING PLAN - SEQ 3

T.O.S. EL 34'-5 3/4 U.N.

NOTE: REMOVE & SCRAP THE EXISTING BEAM 3137A
AND REPLACE THIS WITH NEW BEAM 3157A
LOCATED ALONG GRID 1 & BETWN A~A.6.

3

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

5	10/01/2010	DAMAGE BOLT THREAD NOTE ADDED TO DETAIL 1 (BDS X1.060)
4	09/08/2010	HSS GIRT ADDED (BDS X1.059)
3	03/15/2010	BEAM 3137A ASSY REPLACED WITH NEW BEAM 3157A (BDS X1.035)
2	11/20/2009	OPENING DIMENSIONS REVISED (BDS X1.020)
1	11/06/2009	BRACE DIMENSION REVISED PER SS#341
0	11/05/2009	ISSUED FOR CONSTRUCTION
A	10/08/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2

MADE BY: RV | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 3 - LEVEL 2 PLAN

STRUCTURE: CHOC HOSPITAL

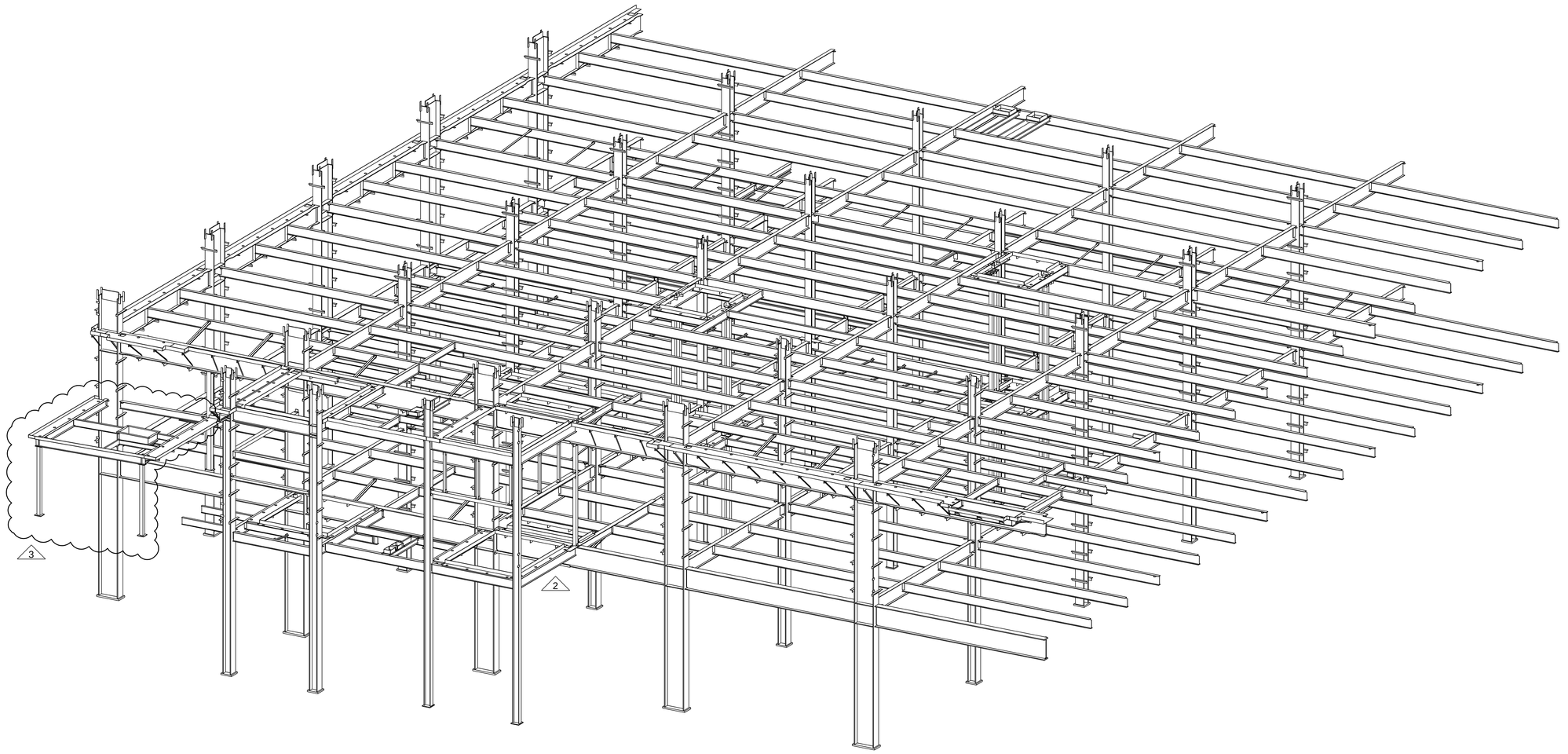
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		3	5

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E3002

MODEL NAME: 2302_001_131 PLOTTED: 07:26:02am 10/01/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 4 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	11/04/2010	STEELWORK ADDED TO 3D VIEW (BDS X1.061)
2	10/13/2010	STEELWORK ADDED (BDS X1.060)
1	03/31/2010	STEELWORK ADDED (BDS X1.040)
0	11/09/2009	ISSUED FOR CONSTRUCTION
A	10/15/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:

MADE BY: BM | CHECKED BY: BM | DATE: 08/25/2009

DETAILS OF: SEQUENCE 4 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

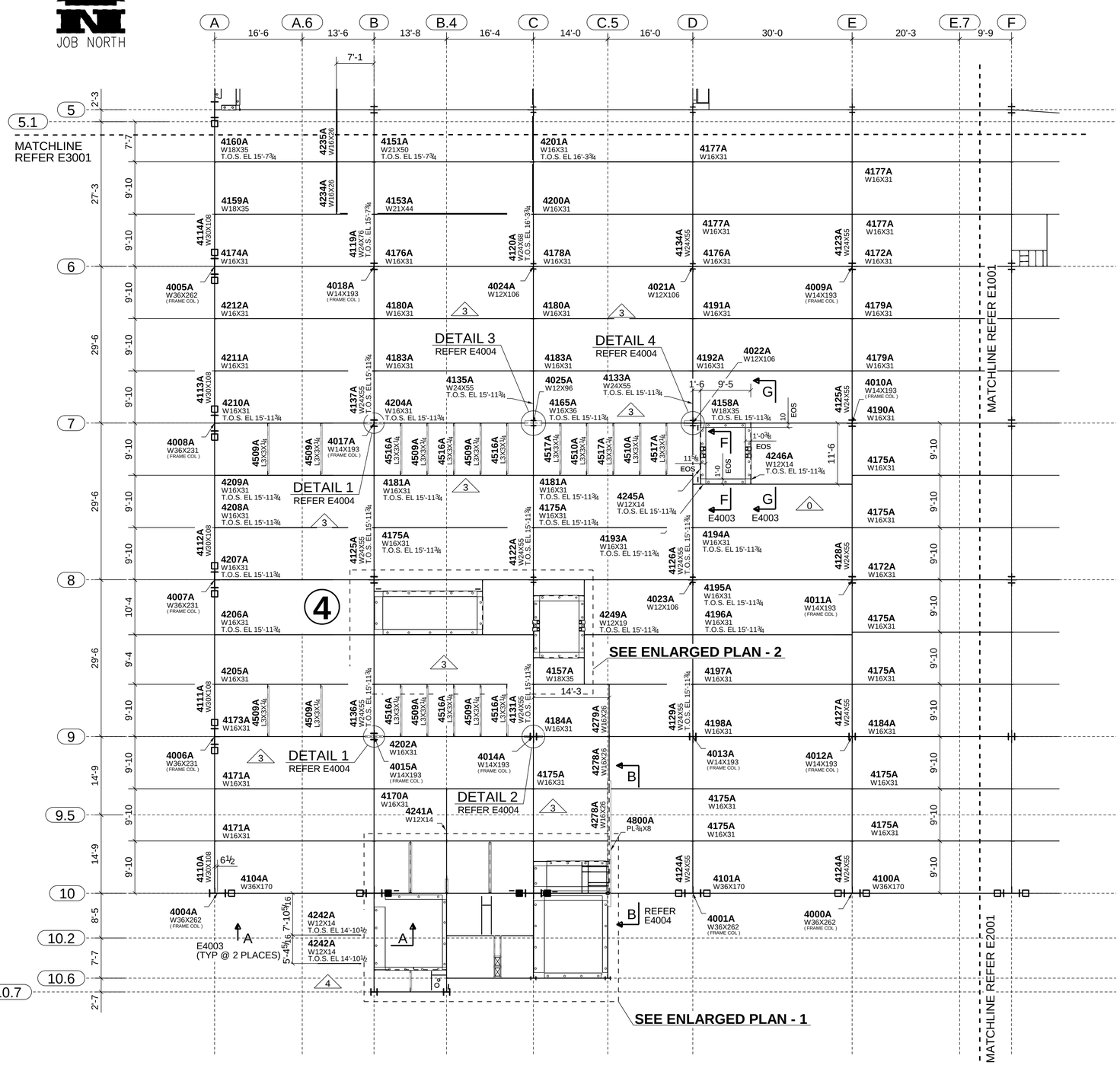
M	C	H	SEQ	REV
	X		4	3

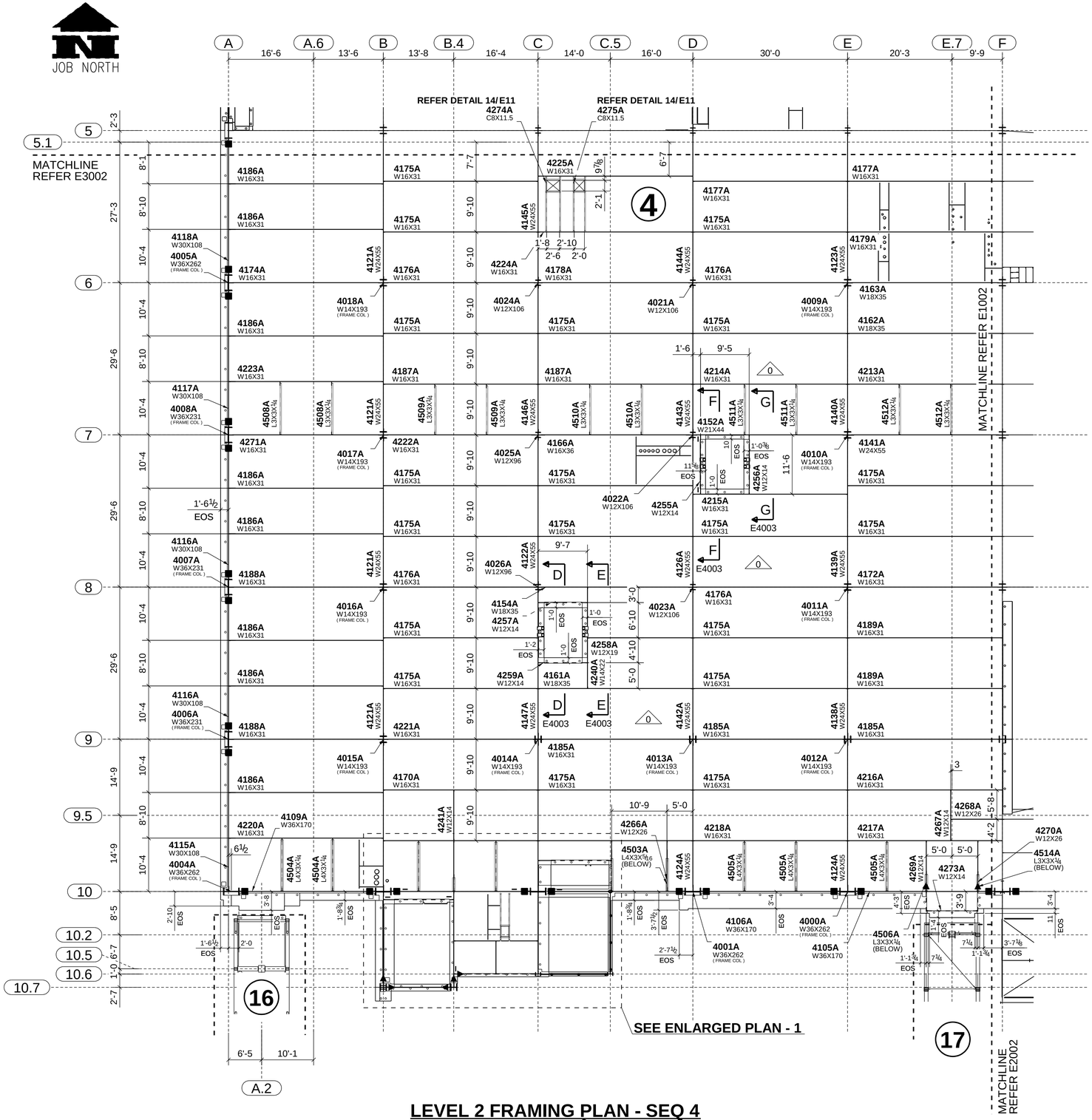
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E4000

MODEL NAME: 2352_001_131 PLOTTED: 11:53:56am 11/04/2010

"As Built Schuff Steel"
05-10-12

JOB NORTH


A
A.6
B
B.4
C
C.5
D
E
E.7
F
16'-6
13'-6
13'-8
16'-4
14'-0
16'-0
30'-0
20'-3
9'-9
7'-1
5.1
5
6
7
8
9
9.5
10
10.2
10.6
10.7
MATCHLINE REFER E3001
MATCHLINE REFER E1001
MATCHLINE REFER E2001
DETAIL 1 REFER E4004
DETAIL 2 REFER E4004
DETAIL 3 REFER E4004
DETAIL 4 REFER E4004
SEE ENLARGED PLAN - 2
SEE ENLARGED PLAN - 1
REFER E4004
E4003 (TYP @ 2 PLACES)
4160A W18X35 T.O.S. EL 15'-7¾
4151A W21X50 T.O.S. EL 15'-7¾
4201A W16X31 T.O.S. EL 16'-3¾
4177A W16X31
4159A W18X35
4153A W21X44
4200A W16X31
4174A W16X31
4176A W16X31
4178A W16X31
4211A W16X31
4183A W16X31
4135A W24X55 T.O.S. EL 15'-11¾
4025A W12X96
4165A W16X36 T.O.S. EL 15'-11¾
4133A W24X55 T.O.S. EL 15'-11¾
4158A W18X35 T.O.S. EL 15'-11¾
4022A W12X106
4192A W16X31
4179A W16X31
4010A W14X193 (FRAME COL.)
4190A W16X31
4210A W16X31 T.O.S. EL 15'-11¾
4204A W16X31 T.O.S. EL 15'-11¾
4246A W12X14 T.O.S. EL 15'-11¾
4175A W16X31
4209A W16X31 T.O.S. EL 15'-11¾
4208A W16X31 T.O.S. EL 15'-11¾
4181A W16X31 T.O.S. EL 15'-11¾
4245A W12X14 T.O.S. EL 15'-11¾
4207A W16X31 T.O.S. EL 15'-11¾
4193A W16X31 T.O.S. EL 15'-11¾
4194A W16X31 T.O.S. EL 15'-11¾
4206A W16X31 T.O.S. EL 15'-11¾
4249A W12X19 T.O.S. EL 15'-11¾
4023A W12X106
4196A W16X31 T.O.S. EL 15'-11¾
4011A W14X193 (FRAME COL.)
4205A W16X31
4157A W18X35
4197A W16X31
4173A W16X31
4184A W16X31
4198A W16X31
4202A W16X31
4015A W14X193 (FRAME COL.)
4014A W14X193 (FRAME COL.)
4013A W14X193 (FRAME COL.)
4012A W14X193 (FRAME COL.)
4171A W16X31
4170A W16X31
4241A W12X14
4800A PL⅜X8
4101A W36X170
4100A W36X170
4104A W36X170
4242A W12X14 T.O.S. EL 14'-10½
4001A W36X262 (FRAME COL.)
4000A W36X262 (FRAME COL.)
4004A W36X262 (FRAME COL.)
4008A W36X231 (FRAME COL.)
4007A W36X231 (FRAME COL.)
4006A W36X231 (FRAME COL.)
4005A W36X262 (FRAME COL.)
4018A W14X193 (FRAME COL.)
4024A W12X106
4021A W12X106
4009A W14X193 (FRAME COL.)
4017A W14X193 (FRAME COL.)
4114A W30X108
4113A W30X108
4112A W30X108
4111A W30X108
4110A W30X108
4119A W12X14 T.O.S. EL 15'-7¾
4120A W24X68 T.O.S. EL 16'-3¾
4134A W24X55
4123A W24X55
4127A W24X55
4129A W24X55
4128A W24X55
4124A W24X55
4126A W24X55
4122A W24X55
4125A W24X55
4137A W24X55
4131A W24X55
4136A W24X55
4509A L3X3X¼
4516A L3X3X¼
4517A L3X3X¼
4510A L3X3X¼
4246A W12X14 T.O.S. EL 15'-11¾
4242A W12X14 T.O.S. EL 14'-10½
4175A W16X31
4179A W16X31
4172A W16X31
4191A W16X31
4180A W16X31
4183A W16X31
4204A W16X31 T.O.S. EL 15'-11¾
4181A W16X31 T.O.S. EL 15'-11¾
4175A W16X31 T.O.S. EL 15'-11¾
4208A W16X31 T.O.S. EL 15'-11¾
4207A W16X31 T.O.S. EL 15'-11¾
4206A W16X31 T.O.S. EL 15'-11¾
4205A W16X31
4111A W30X108
4173A W16X31
4171A W16X31
4110A W30X108
4104A W36X170
4242A W12X14 T.O.S. EL 14'-10½
4184A W16X31
4175A W16X31
4197A W16X31
4198A W16X31
4195A W16X31 T.O.S. EL 15'-11¾
4196A W16X31 T.O.S. EL 15'-11¾


JOB NORTH
A
A.6
B
B.4
C
C.5
D
E
E.7
F
16'-6
13'-6
13'-8
16'-4
14'-0
16'-0
30'-0
20'-3
9'-9
REFER DETAIL 14/E11
4274A C8X11.5
4275A C8X11.5
4225A W16X31
5.1
MATCHLINE REFER E3002
5
6
7
8
9
9.5
10
10.2
10.5
10.6
10.7
27'-3
29'-6
14'-9
6'-7
1'-0
2'-7
2'-3
8'-1
7'-7
8'-10
9'-10
10'-4
8'-5
6'-10
4'-10
5'-0
3'-0
4186A W16X31
4175A W16X31
4177A W16X31
4179A W16X31
4174A W16X31
4176A W16X31
4178A W16X31
4223A W16X31
4187A W16X31
4213A W16X31
4162A W18X35
4163A W18X35
4117A W30X108
4008A W36X231 (FRAME COL)
4271A W16X31
4222A W16X31
4166A W16X36
4141A W24X55
4116A W30X108
4007A W36X231 (FRAME COL)
4188A W16X31
4221A W16X31
4176A W16X31
4189A W16X31
4116A W30X108
4006A W36X231 (FRAME COL)
4221A W16X31
4185A W16X31
4172A W16X31
4115A W30X108
4004A W36X262 (FRAME COL)
4220A W16X31
4109A W36X170
4216A W16X31
4170A W16X31
4218A W16X31
4217A W16X31
4268A W12X26
4270A W12X26
4273A W12X14
4514A L3X3X1/4 (BELOW)
4503A L4X3X5/16 (BELOW)
4106A W36X170
4000A W36X262 (FRAME COL)
4105A W36X170
4001A W36X262 (FRAME COL)
4506A L3X3X1/4 (BELOW)
4018A W14X193 (FRAME COL)
4017A W14X193 (FRAME COL)
4016A W14X193 (FRAME COL)
4015A W14X193 (FRAME COL)
4014A W14X193 (FRAME COL)
4013A W14X193 (FRAME COL)
4012A W14X193 (FRAME COL)
4009A W14X193 (FRAME COL)
4010A W14X193 (FRAME COL)
4011A W14X193 (FRAME COL)
4024A W12X106
4021A W12X106
4022A W12X106
4023A W12X106
4255A W12X14
4154A W18X35
4257A W12X14
4259A W12X14
4161A W18X35
4258A W12X19
4240A W14X22
4224A W16X31
4026A W12X96
4025A W12X96
4121A W24X55
4145A W24X55
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4122A W24X55
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4147A W24X55
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4138A W24X55
4241A W12X14
4124A W24X55
4505A L4X3X1/4
4504A L4X3X1/4
4508A L3X3X1/4
4509A L3X3X1/4
4146A W24X55
4510A L3X3X1/4
4143A W24X55
4511A L3X3X1/4
4140A W24X55
4512A L3X3X1/4
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4152A W21X44
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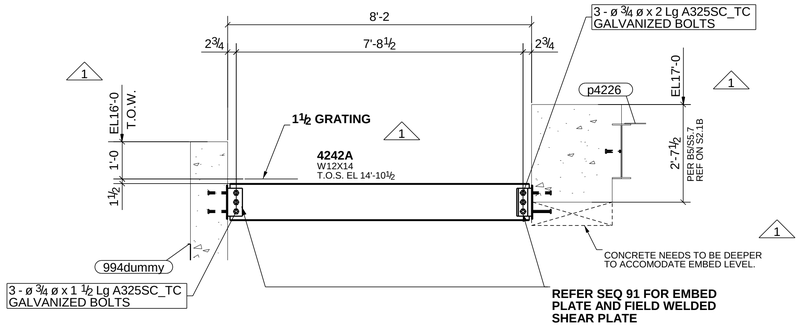
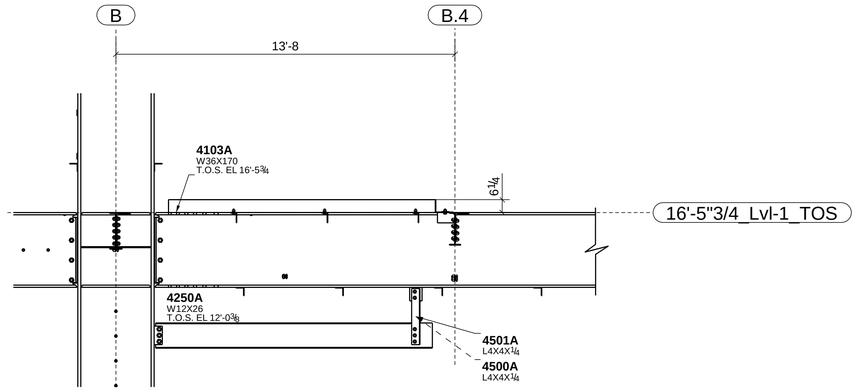
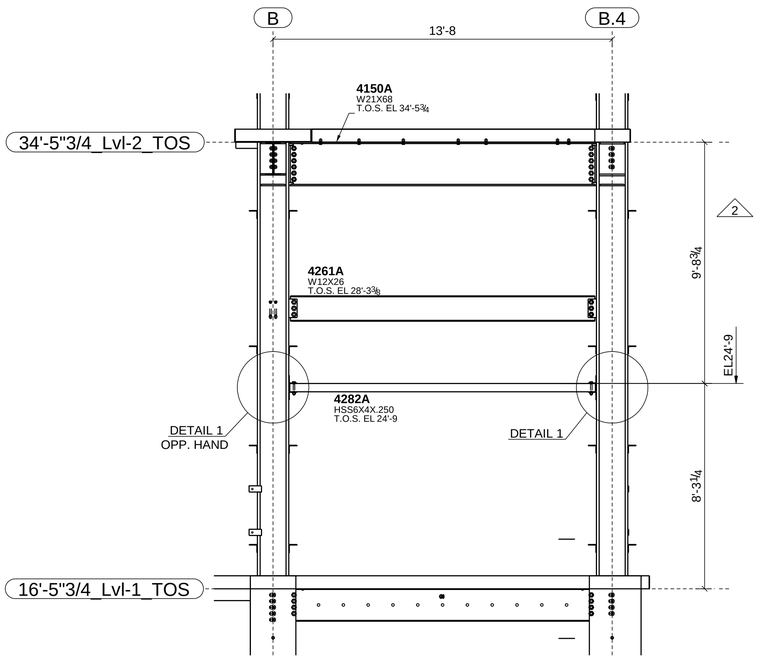


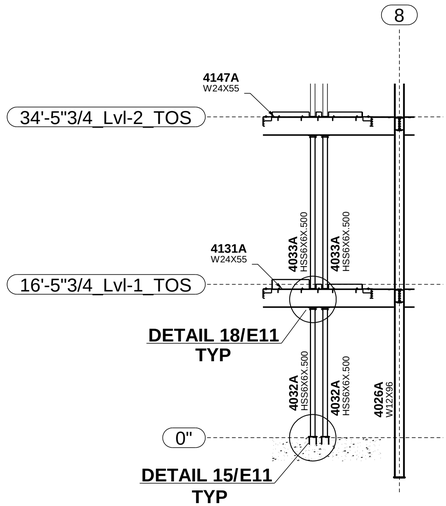
SECTION A - A
(E4001)



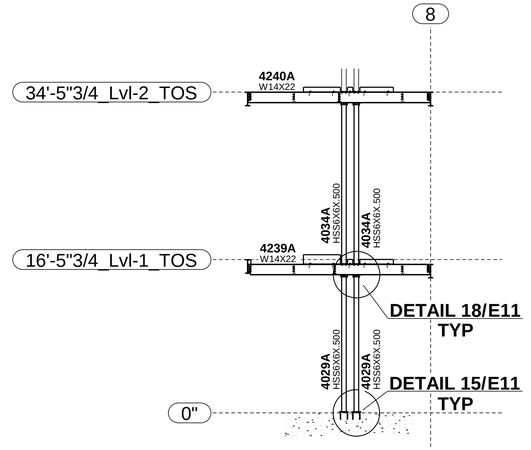
SECTION B - B
(E4001)



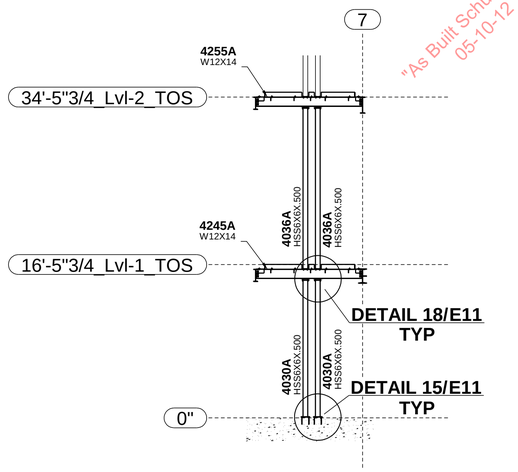
SECTION C - C
(E4002)



SECTION D - D
(E4001 & E4002)
NOTE: ALL POSTS HSS6X6X0.500

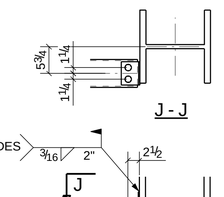


SECTION E - E
(E4001 & E4002)
NOTE: ALL POSTS HSS6X6X0.500

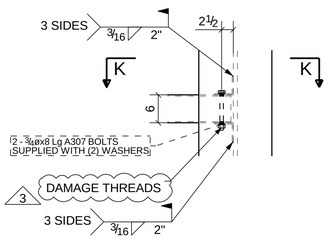


SECTION F - F
(E4001 & E4002)
NOTE: ALL POSTS HSS6X6X0.500

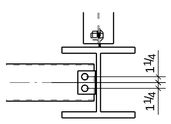
"As Built Schuff Steel" 05-10-12

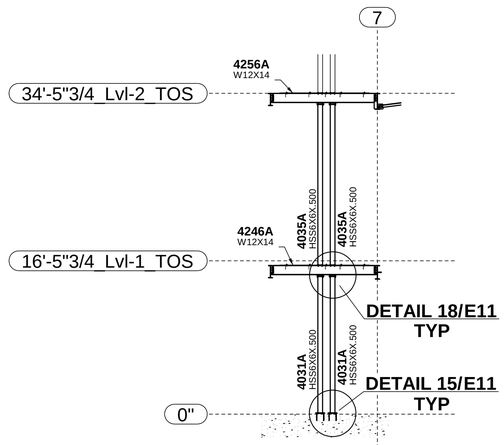


DETAIL 1

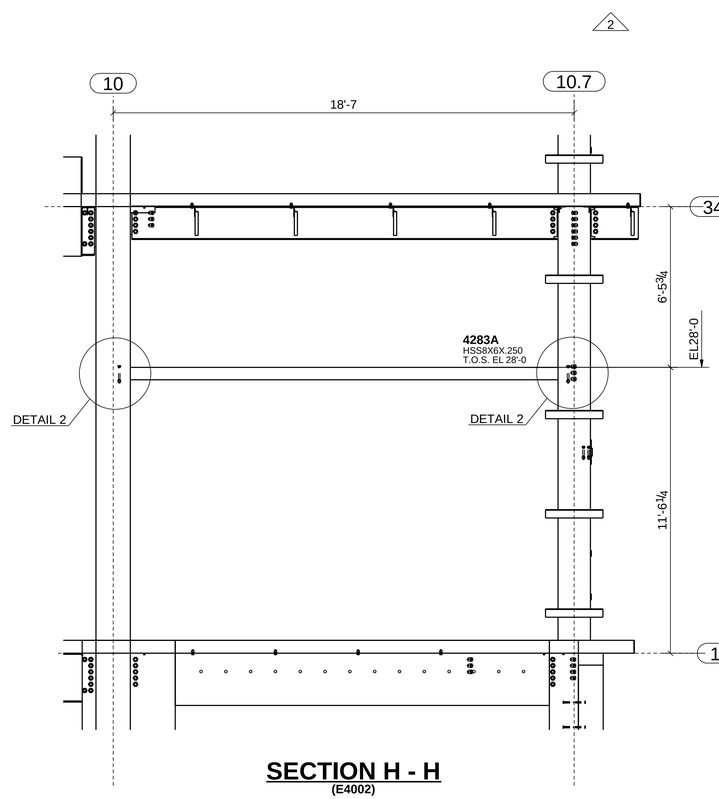


DETAIL 2





SECTION G - G
(E4001 & E4002)
NOTE: ALL POSTS HSS6X6X0.500



SECTION H - H
(E4002)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	10/01/2010	DAMAGE BOLT THREAD NOTE ADDED TO DETAILS 1 & 2 (BDS X1.060)
2	09/08/2010	HSS GIRTS ADDED (BDS X1.059)
1	06/23/2010	BEAM LEVELS REVISED (SCHUFF RFI# 588, MCC RFI#1461 - BDS X3.052)
0	11/09/2009	ISSUED FOR CONSTRUCTION
A	10/15/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

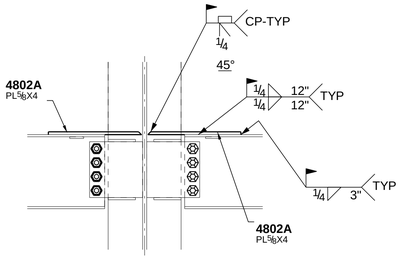
DESIGN DRAWING REFERENCE:

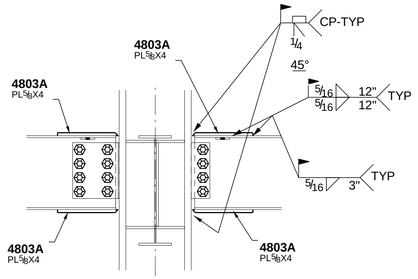
MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		4	3

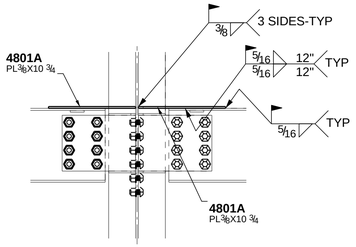
DETAILS OF: SEQUENCE 4 - SECTIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

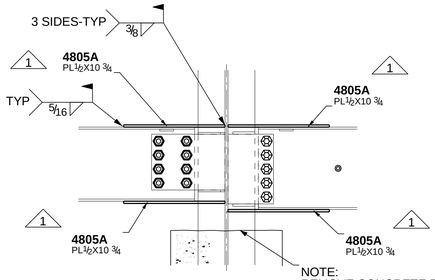
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E4003

MODEL NAME: 2302_001_131 PLOTTED: 07:26:08am 10/01/2010



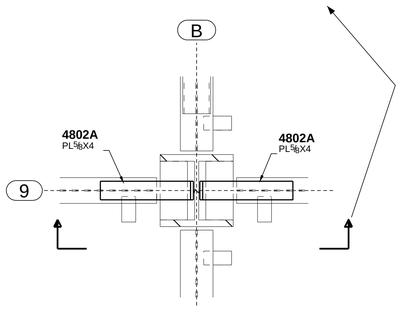




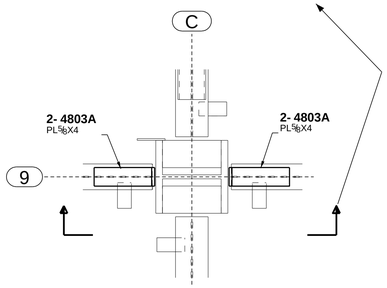


NOTE:
REMOVE CONCRETE PER MCC RFI#1134
SKETCH 'SK-10' TO PROVIDE ACCESS
FOR PLATE INSTALLATION.

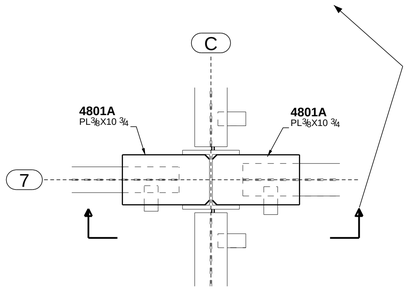
"As Built Schuff Steel"
05-10-12



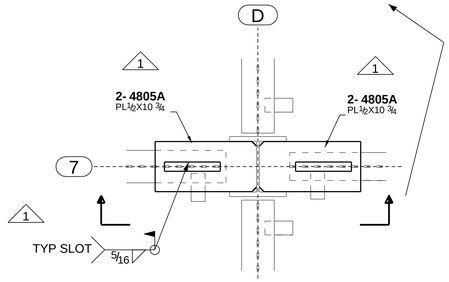
DETAIL 1
FROM E4001



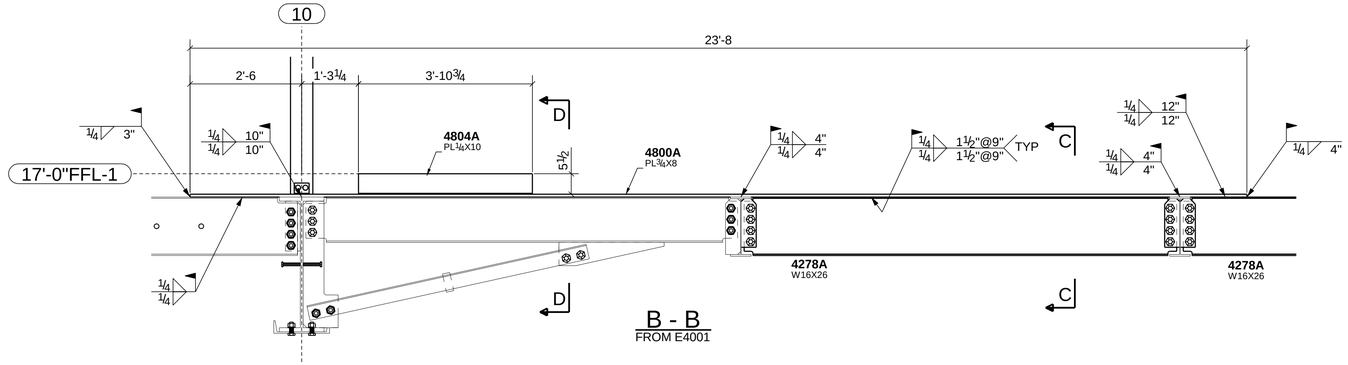
DETAIL 2
FROM E4001



DETAIL 3
FROM E4001

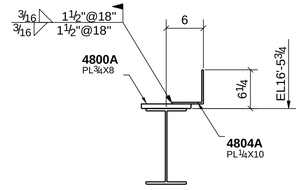


DETAIL 4
FROM E4001

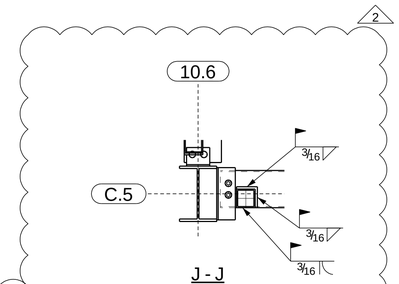


B - B
FROM E4001

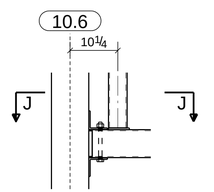
C - C



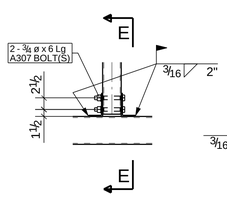
D - D



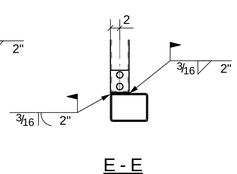
J - J



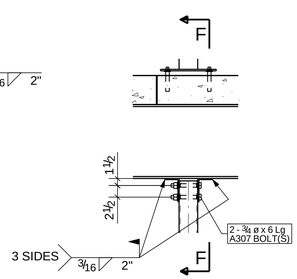
DETAIL 9



DETAIL 5

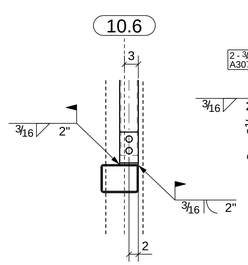


E - E

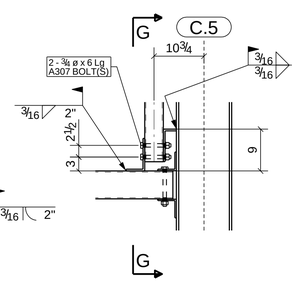


DETAIL 6

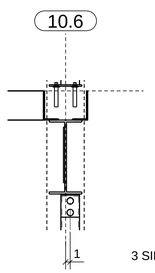
F - F



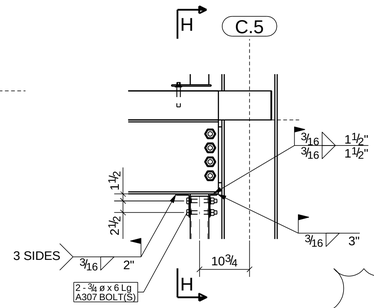
G - G



DETAIL 7



H - H



DETAIL 8

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/13/2010	DETAILS ADDED (BDS X1.060)
1	04/09/2010	DETAIL REVISED (BDS X1.035, SS RFI # 527)
0	03/15/2010	ISSUED FOR CONSTRUCTION (BDS X1.035)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1

MADE BY: RV | CHECKED BY: WJ | DATE: 08/25/2009

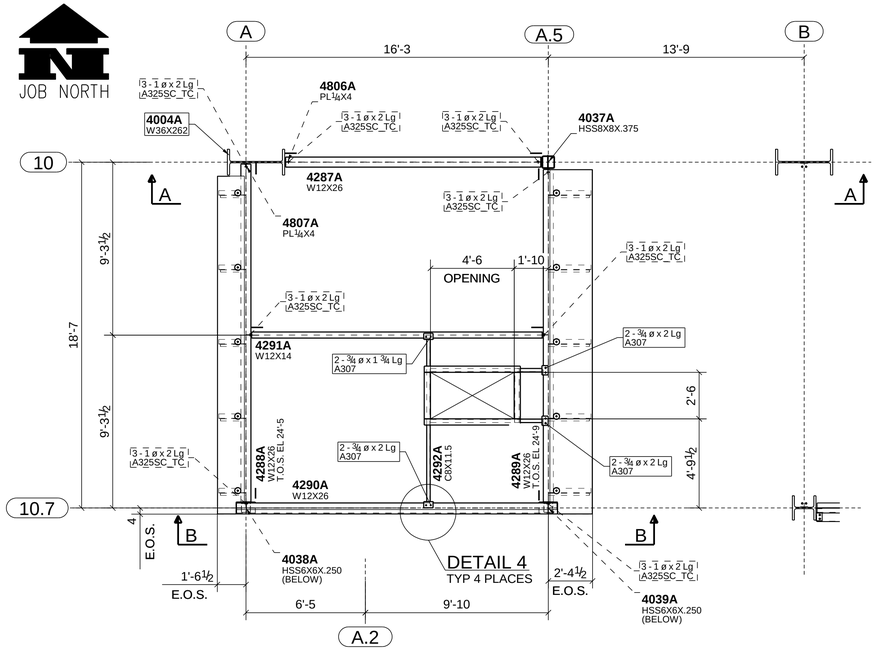
DETAILS OF: SEQUENCE 4 - SECTIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		4	2

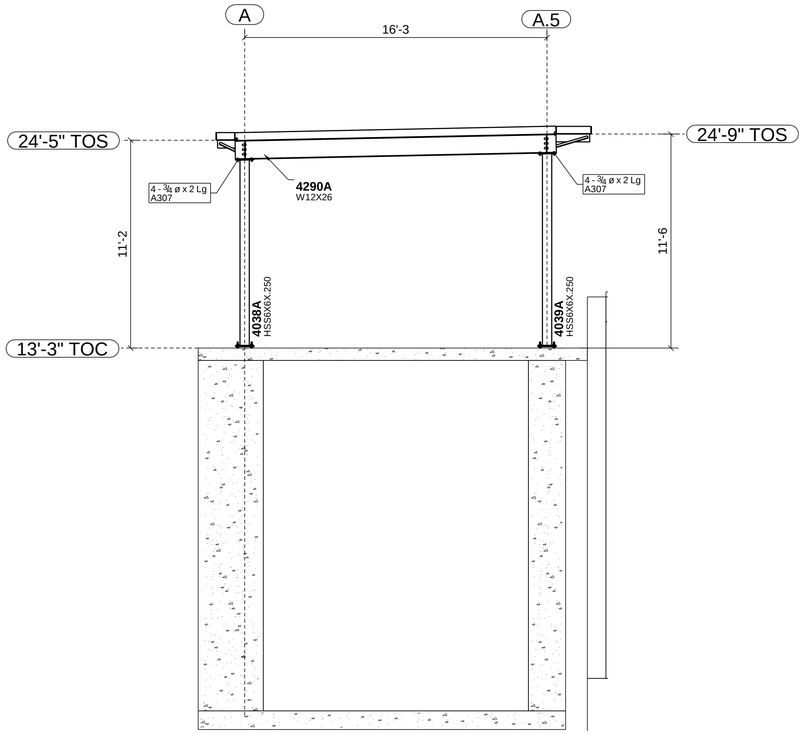
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E4004

MODEL NAME: 2302_001_131 PLOTTED: 11:37:27am 10/13/2010

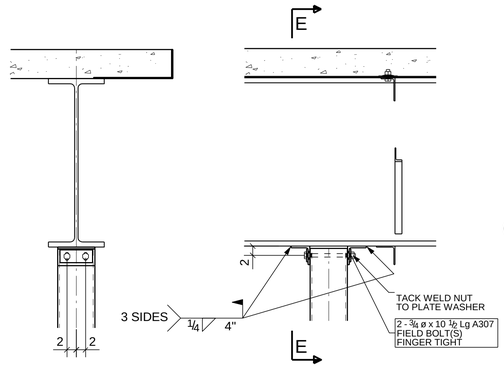
JOB NORTH



ROOF PLAN - SEQ 4
T.O.S. VARIES

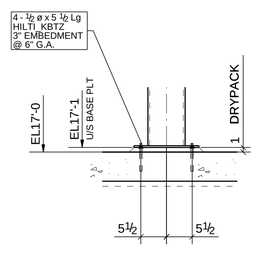


B - B

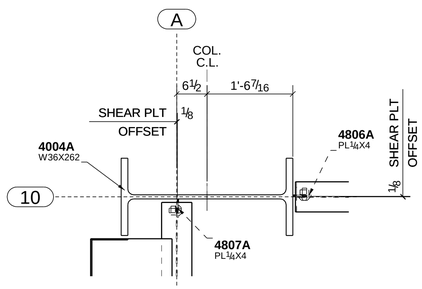


E - E

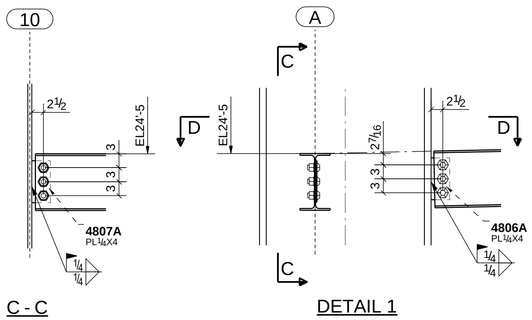
DETAIL 3



DETAIL 2

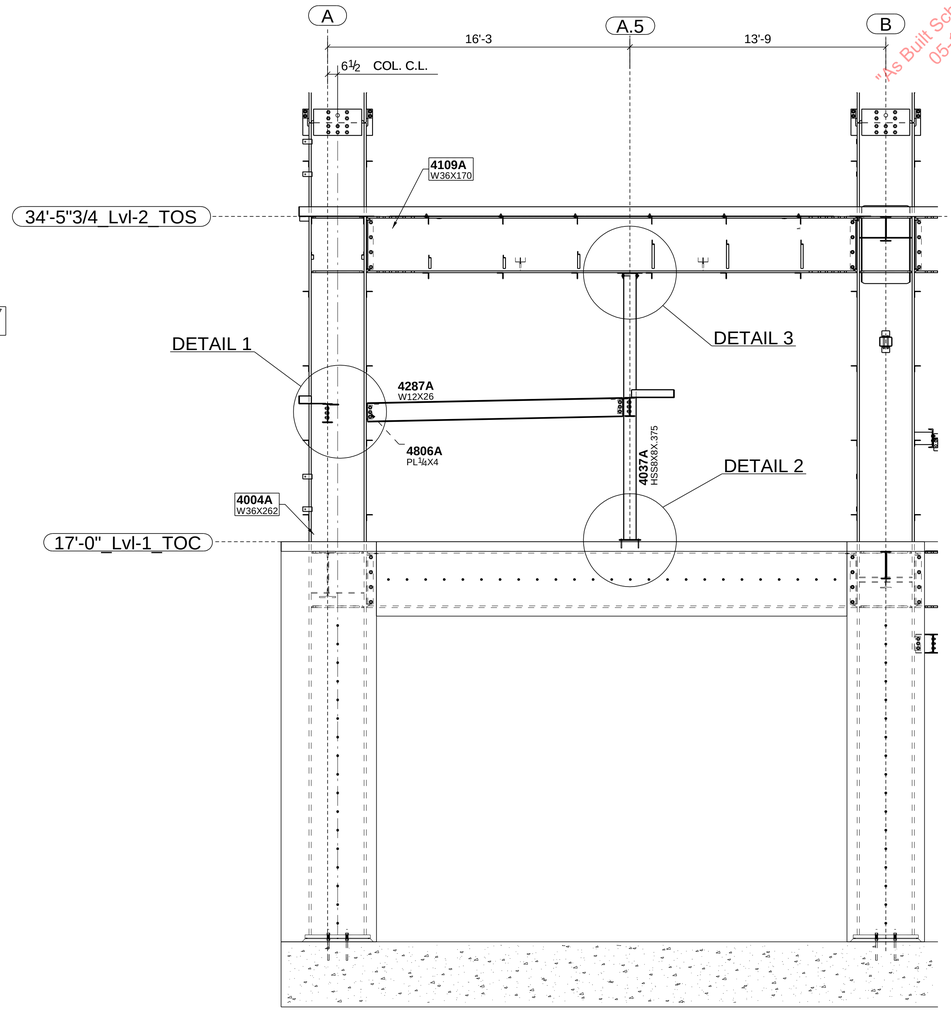


D - D

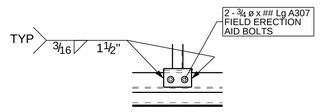


C - C

DETAIL 1



A - A



DETAIL 4

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

0	11/04/2010 ISSUED FOR CONSTRUCTION (BDS X1.061)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

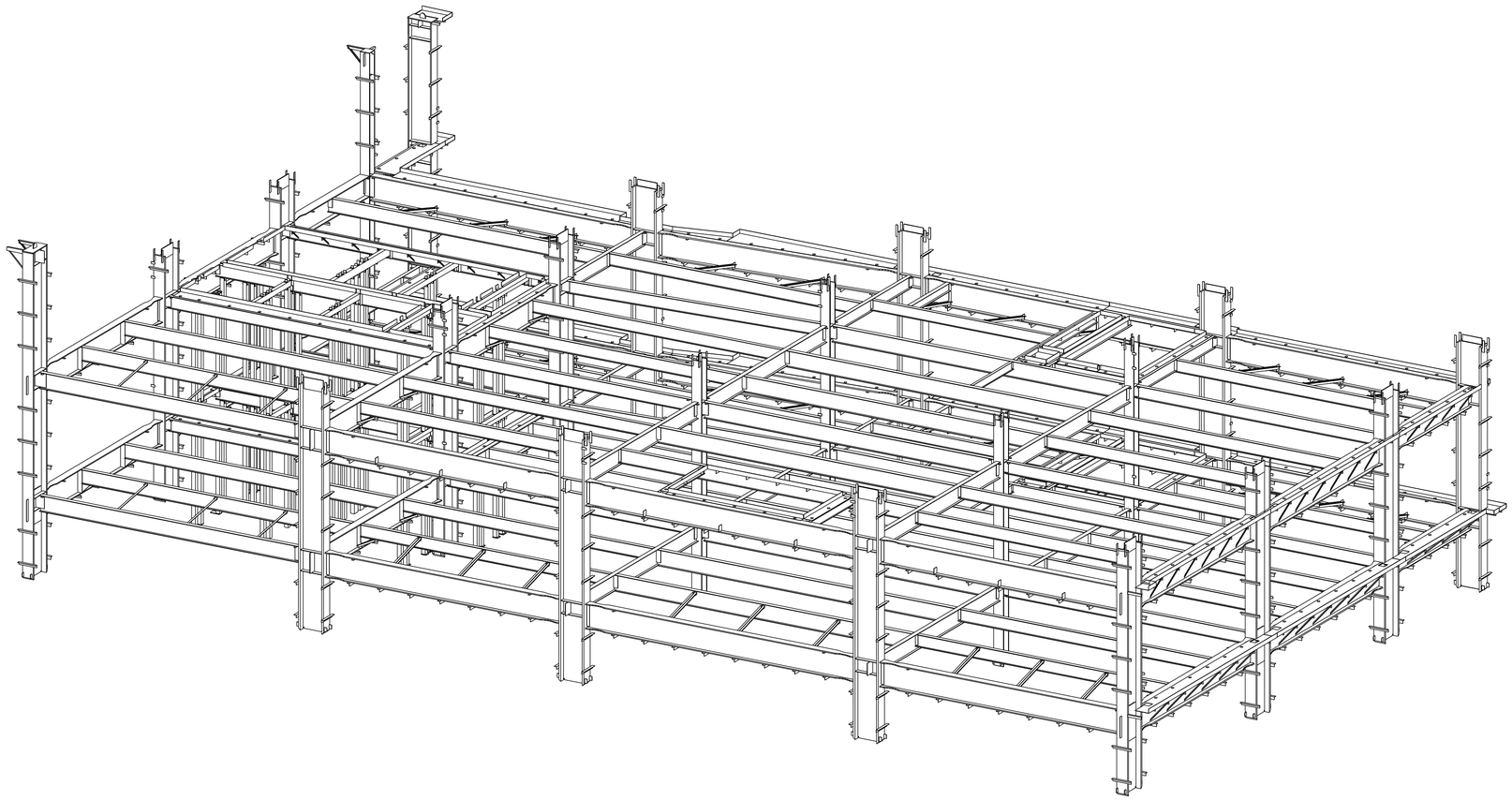
DESIGN DRAWING REFERENCE: S2.2B					
MADE BY: BM	CHECKED BY: BM	DATE: 08/25/2009	M	C	H
DETAILS OF: SEQ 4 - FIRE WATER TANK & PUMP ROOM ROOF					
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II					

SEQ	REV
4	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E4005

MODEL NAME: 2302_001_131 PLOTTED: 11:54:01am 11/04/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 5 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	12/01/2009	ISSUED FOR CONSTRUCTION
B	11/09/2009	RE-ISSUED FOR APPROVAL (3D VIEW UPDATED)
A	10/28/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:

MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		5	0

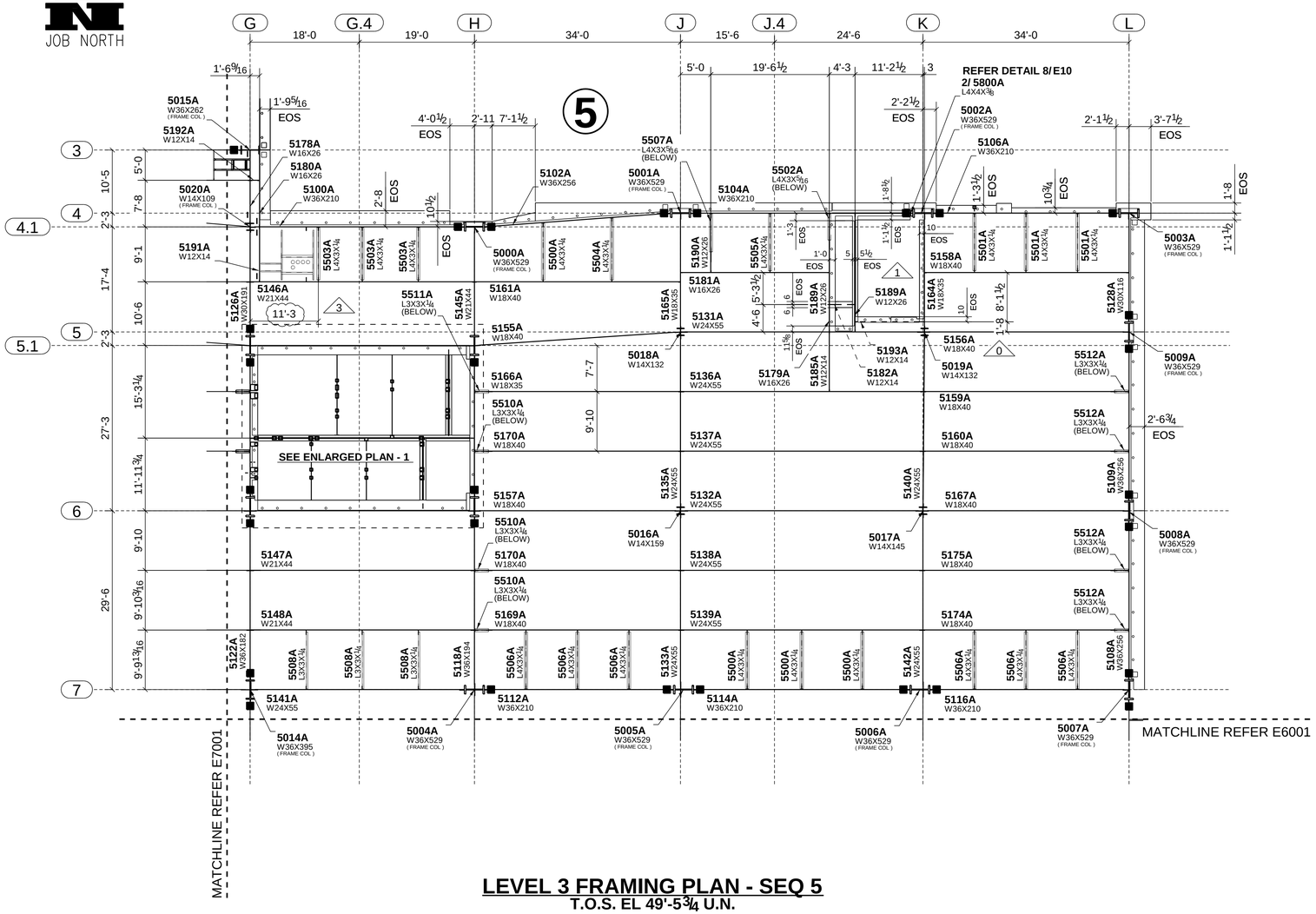
DETAILS OF: SEQUENCE 5 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E5000

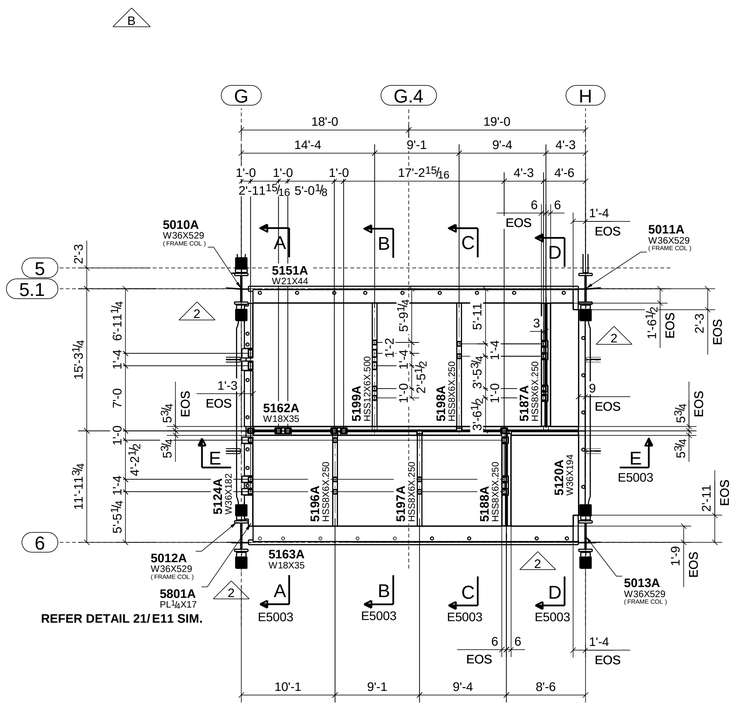
MODEL NAME: 2302_001_131 PLOTTED: 03:12:57pm 12/01/2009

"As Built Schuff Steel"
05-10-12

JOB NORTH



LEVEL 3 FRAMING PLAN - SEQ 5
T.O.S. EL 49'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 49'-5¾ U.N.

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	06/08/2010	BRACE LOCATION REVISED TO AVOID MEP CLASH (CON RFI # 123)
2	04/22/2010	SFRS SYMBOLS ADDED
1	12/04/2009	BEAM MARK ADDED
0	12/01/2009	ISSUED FOR CONSTRUCTION
B	11/09/2009	RE-ISSUED FOR APPROVAL - ELEVATOR AREA UPDATED (BDS X1.018)
A	10/28/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.3

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 5 - LEVEL 3 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

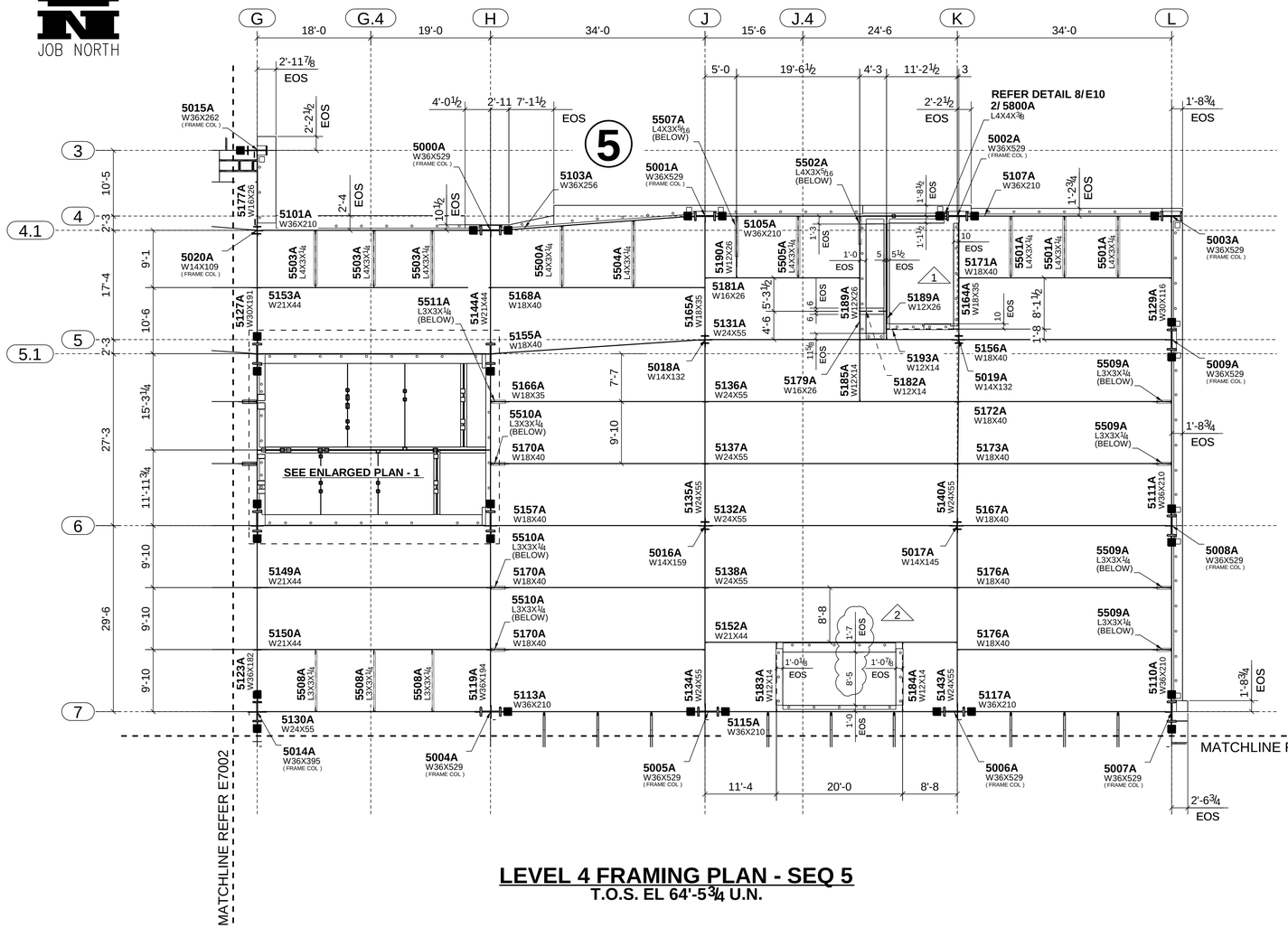
M	C	H	SEQ	REV
	X		5	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E5001

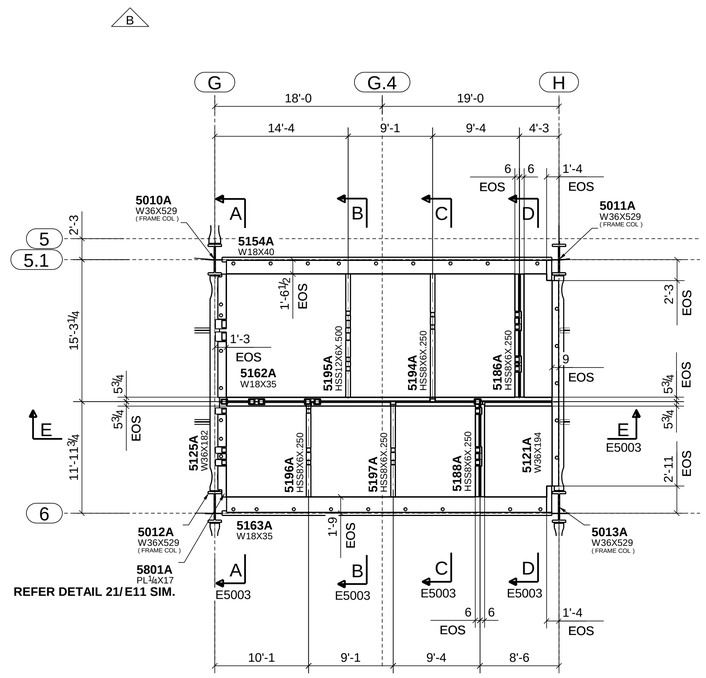
MODEL NAME: 2302_00\1_131 PLOTTED: 02:29:30pm 06/08/2010

"As Built Schuff Steel"
05-10-12

JOB NORTH



LEVEL 4 FRAMING PLAN - SEQ 5
T.O.S. EL 64'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 64'-5¾ U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
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7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	03/16/2010	OPENING EDGE OF SLAB MODIFIED (BDS X3.035)
1	12/04/2009	BEAM MARK ADDED
0	12/01/2009	ISSUED FOR CONSTRUCTION
B	11/09/2009	RE-ISSUED FOR APPROVAL - ELEVATOR AREA UPDATED (BDS X1.018)
A	10/28/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.4

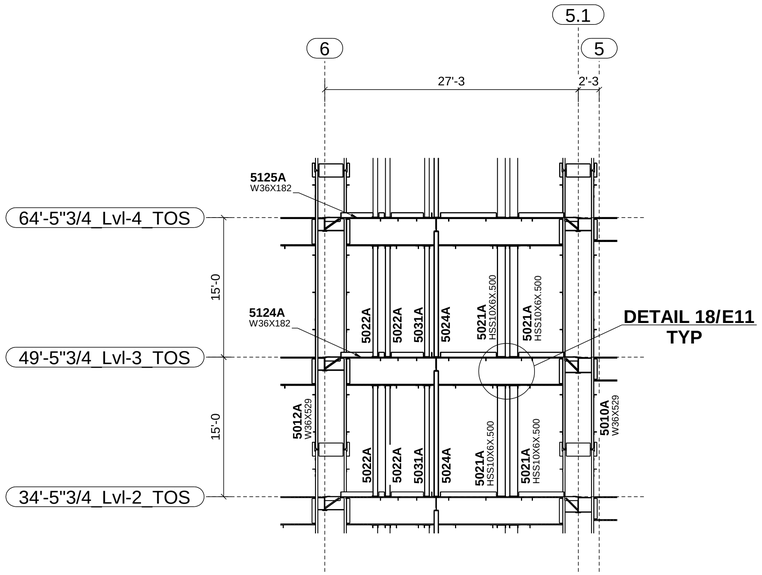
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 5 - LEVEL 4 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		5	2

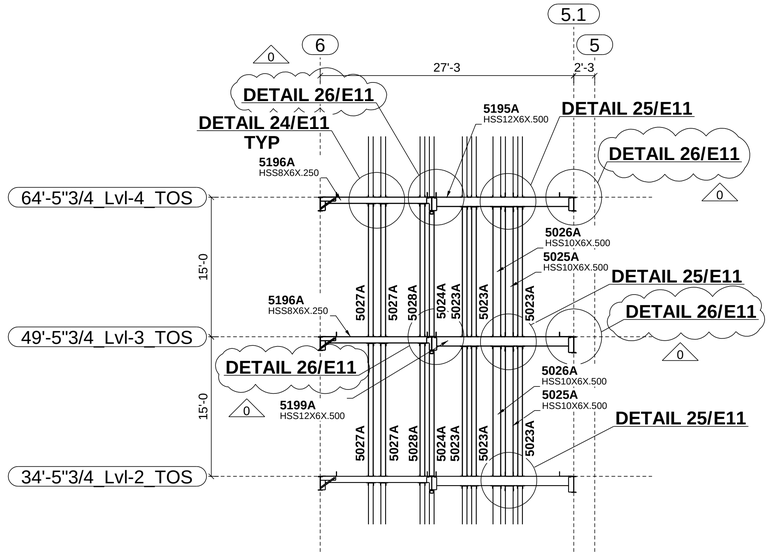
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E5002

MODEL NAME: 2302_001_131 PLOTTED: 03:36:16pm 03/16/2010



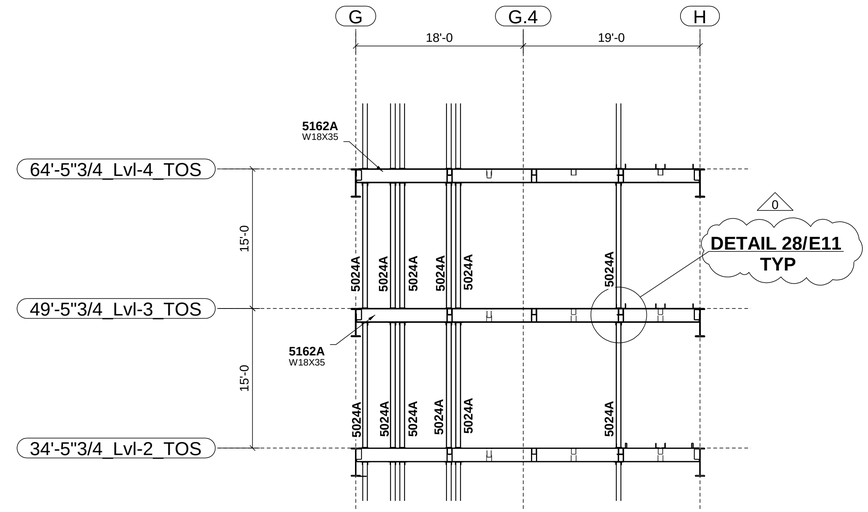
SECTION A - A
(E5001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



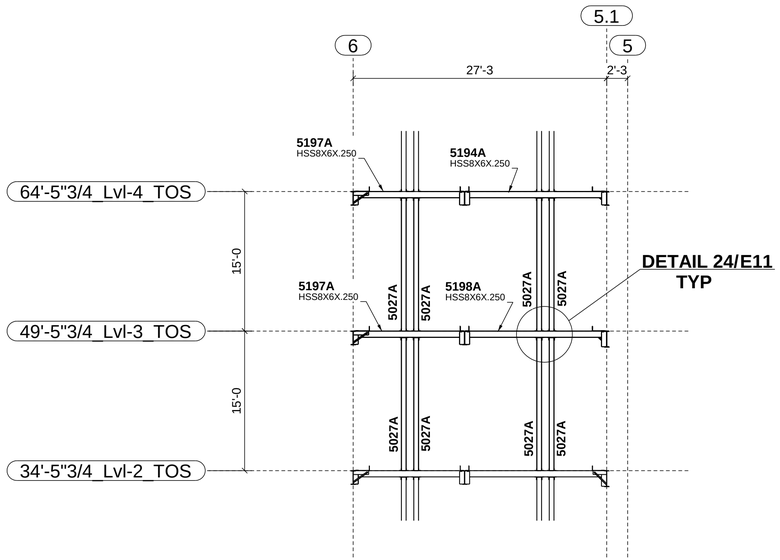
SECTION B - B
(E5001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



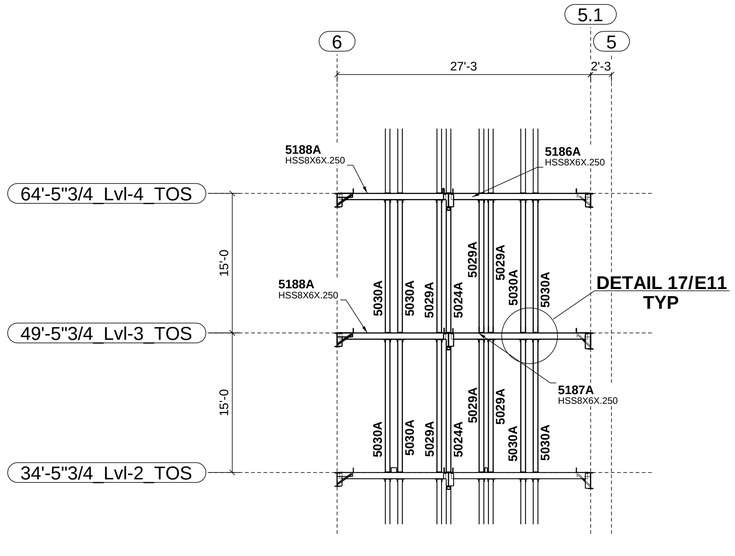
SECTION E - E
(E5001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



SECTION C - C
(E5001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



SECTION D - D
(E5001)

NOTE: ALL POSTS HSS6X6X0.500 U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	12/03/2009	ISSUED FOR CONSTRUCTION
A	11/09/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.3 & S2.4

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 5 - ELEVATIONS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

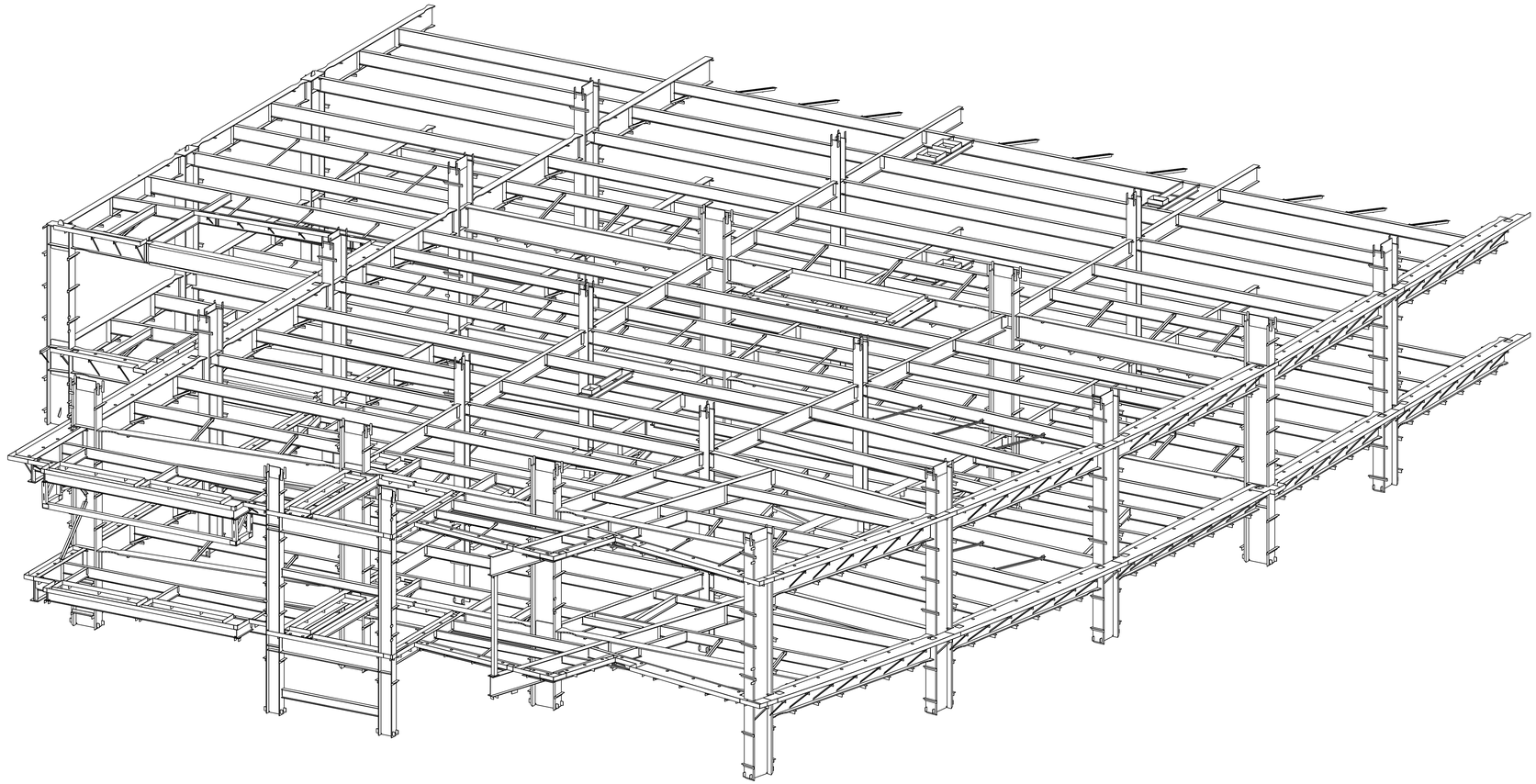
M	C	H	SEQ	REV
	X		5	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E5003

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 11:22:02am 12/03/2009

"As Built Schuff Steel"
05-10-12



SEQUENCE 6 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	12/22/2009	ISSUED FOR CONSTRUCTION
A	11/02/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE:

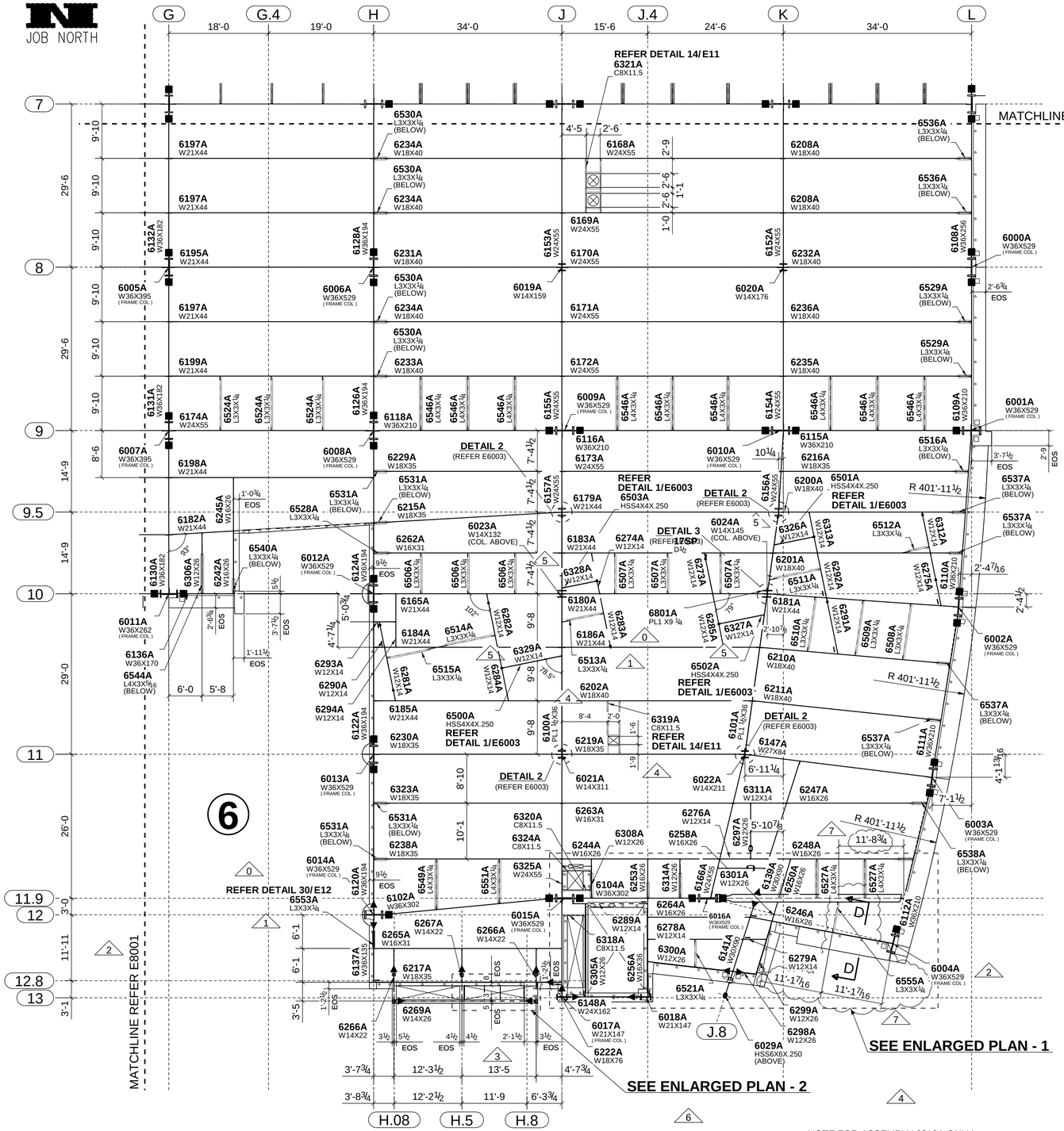
MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		6	0

DETAILS OF: SEQUENCE 6 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E6000

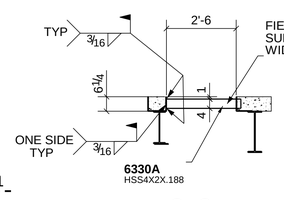
MODEL NAME: 2352_001_131 PLOTTED: 03:20:47pm 12/22/2009

JOB NORTH

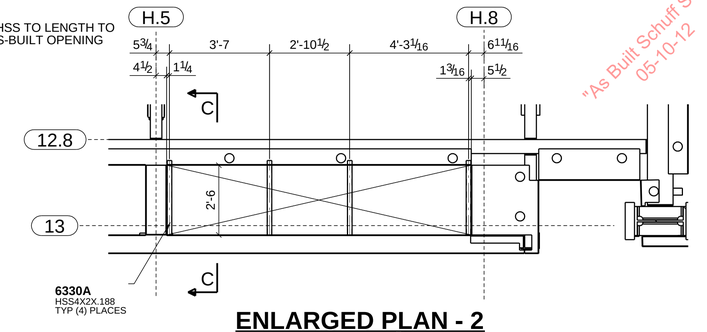


NOTE FOR ASSEMBLY 6319A ONLY.
DO NOT USE HOLES IN SUPPORTING
MEMBERS TO LOCATE. USE REVISED DIM'S.

LEVEL 3 FRAMING PLAN - SEQ 6
T.O.S. EL 49'-5¾ U.N.

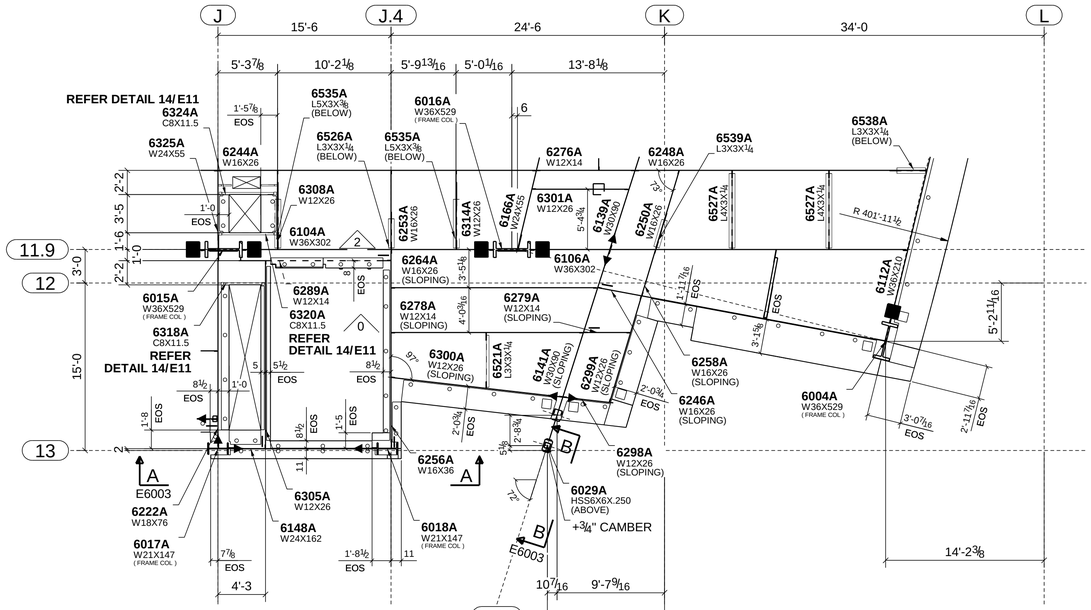


FIELD CUT HSS TO LENGTH TO SUIT THE AS-BUILT OPENING WIDTH.

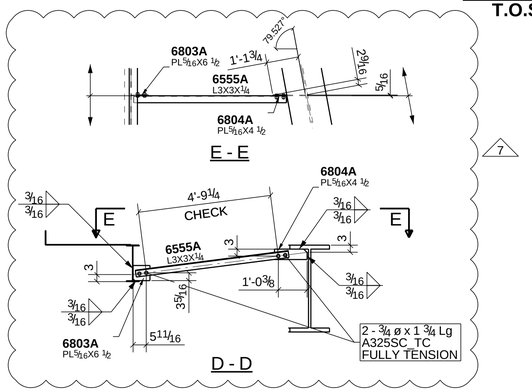


"As Built Schuff Steel" 05-10-12

ENLARGED PLAN - 2
T.O.S. EL 49'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 49'-5¾ U.N.



ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

7	10/13/2010	ANGLE BRACE ADDED PER McCARTHY CON. RFI # 2318 (BDS X3.056)
6	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
5	03/15/2010	NEW BEAMS ADDED (BDS X1.035)
4	03/02/2010	OPENING LOCATION REV'D PER SS RFI # 449 (BDS X3.016)
3	02/03/2010	EOS MODIFIED (BDS X3.013)
2	01/22/2010	EDGE OF SLAB MODIFIED/PART MARK ADDED (BDS X3.010). GRID DIM REV SS#260
1	01/11/2010	PART MARK ADDED/UPDATED (SHOP QUERY)
0	12/22/2009	ISSUED FOR CONSTRUCTION
A	11/02/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.3

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

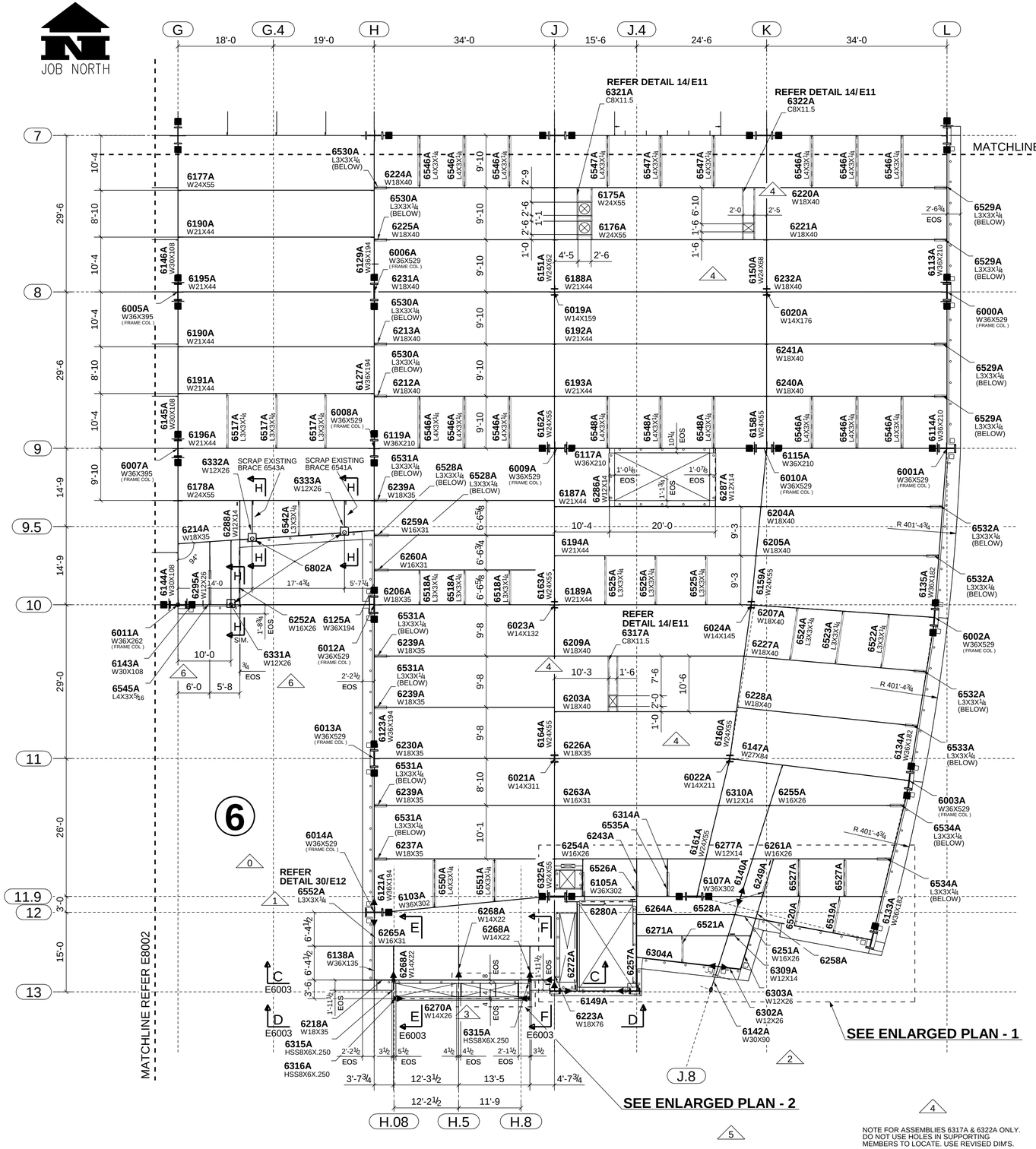
DETAILS OF: SEQUENCE 6 - LEVEL 3 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		6	7

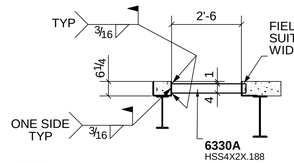
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E6001

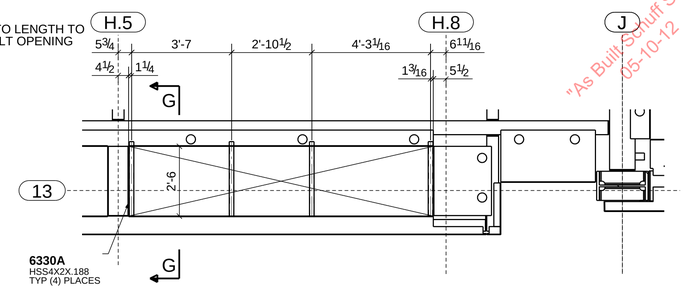
MODEL NAME: 2302_001_131 PLOTTED: 06:50:09am 10/13/2010

JOB NORTH

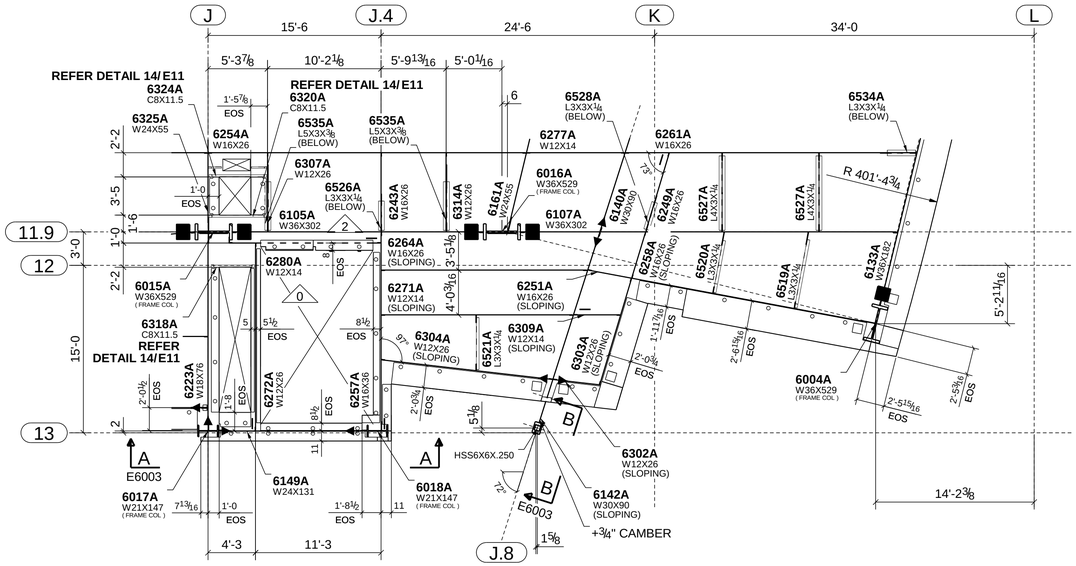


NOTE FOR ASSEMBLIES 6317A & 6322A ONLY.
DO NOT USE HOLES IN SUPPORTING
MEMBERS TO LOCATE. USE REVISED DIM'S.

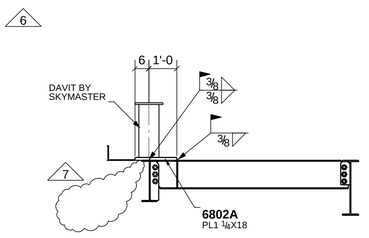




ENLARGED PLAN - 2
T.O.S. EL 64'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 49'-5¾ U.N.



H - H

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

7	07/27/2010	FIELD WELD REMOVED FROM DAVIT BASE PLATE DETAIL (BDS X1.054)
6	06/28/2010	BEAMS AND DAVIT BASE PLATES ADDED (BDS X1.043)
5	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
4	03/02/2010	OPENING LOCATION REV'D PER SS RFI # 449 (BDS X3.016)
3	02/03/2010	EOS MODIFIED (BDS X3.013)
2	01/22/2010	EDGE OF SLAB MODIFIED/PART MARK ADDED (BDS X3.010)
1	01/11/2010	PART MARK ADDED (SHOP QUERY)
0	12/22/2009	ISSUED FOR CONSTRUCTION
A	11/02/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

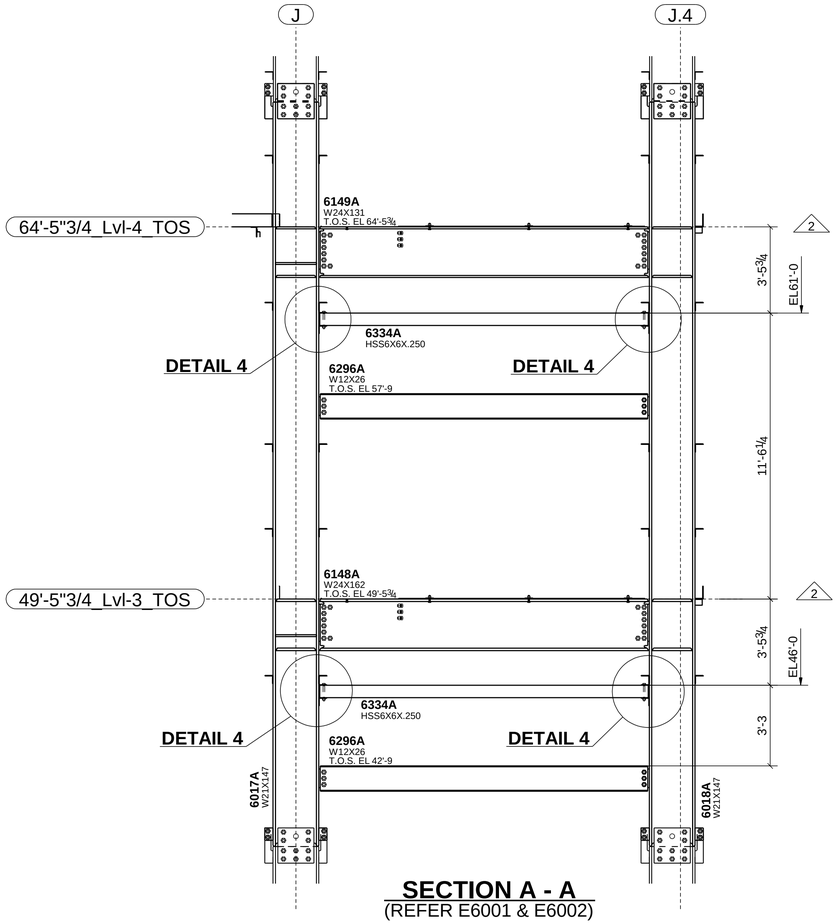
DESIGN DRAWING REFERENCE: S2.4

MADE BY: CC	CHECKED BY: WJ	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		6	7

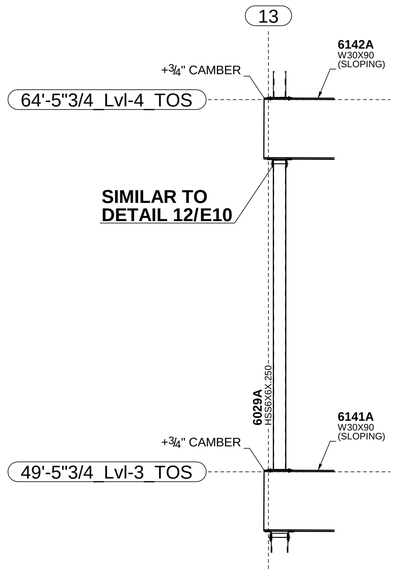
DETAILS OF: SEQUENCE 6 - LEVEL 4 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E6002

MODEL NAME: 2302_001_131 PLOTTED: 10:10:07am 07/28/2010



SECTION A - A
(REFER E6001 & E6002)



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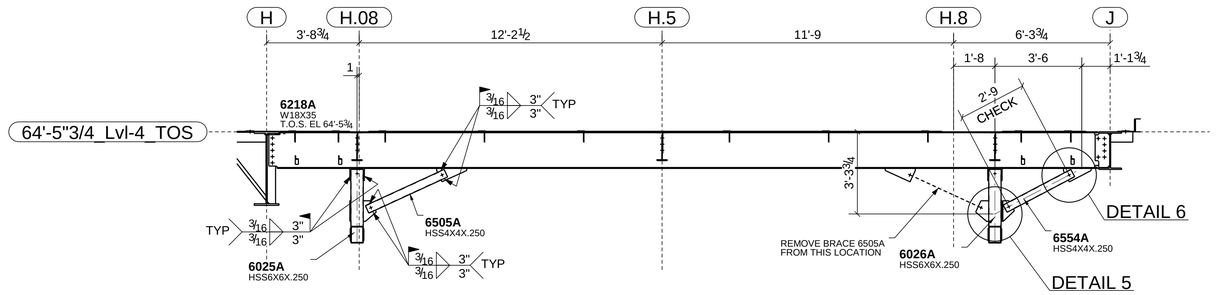
(REFER E6001 & E6002)



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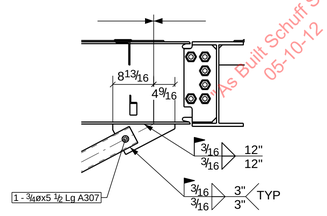
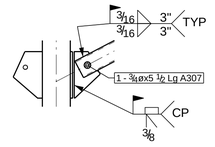
(REFER E6002)



DETAIL 6



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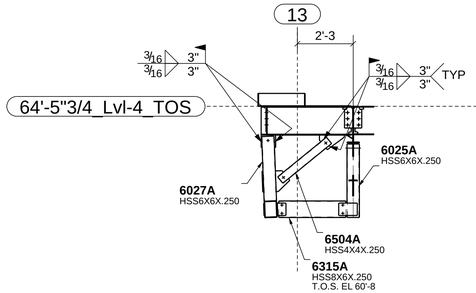

SECTION E - E
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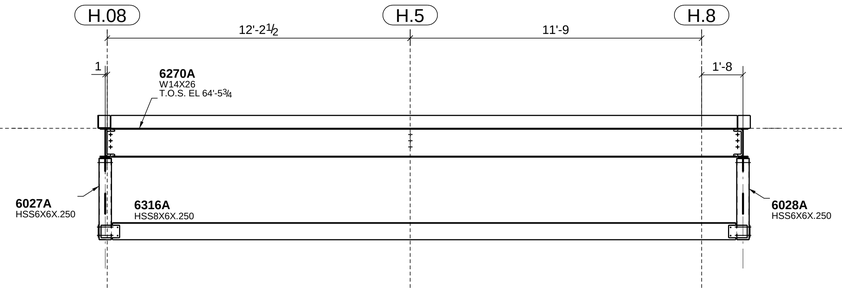

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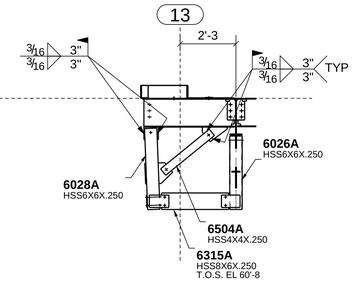
(REFER E6002)



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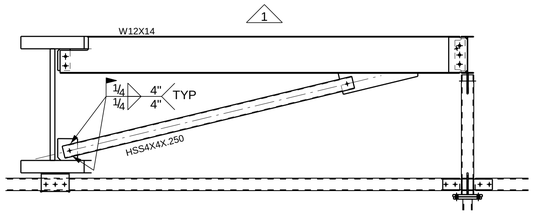
(REFER E6002)



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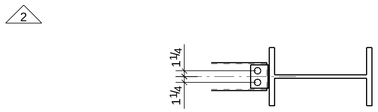
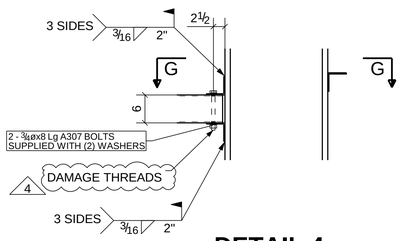
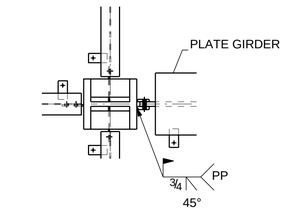
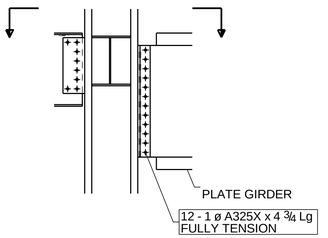


G - G

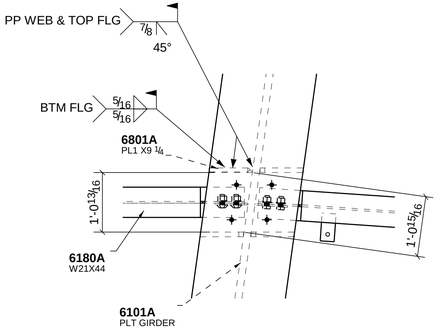


DETAIL 4





DETAIL 2
(REFER E6001)



DETAIL 3
(REFER E6001)

NOTE:
WELD STIFFENER 6801A IN PLACE AFTER BEAM 6180A IS ERECTED AND CONNECTION BOLTS INSTALLED.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	10/01/2010	DAMAGE BOLT THREAD NOTE ADDED TO DETAIL 4 (BDS X1.060)
3	09/29/2010	HSS BRACE REMOVED & ADDED PER SS RFI#697 (BDS X3.055)
2	09/08/2010	HSS GIRTS ADDED (BDS X1.059)
1	03/15/2010	NEW BEAMS ADDED (BDS X1.035)
0	12/22/2009	ISSUED FOR CONSTRUCTION
A	11/02/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.3 & S2.4

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 6 - SECTIONS AND DETAILS

STRUCTURE: CHOC HOSPITAL

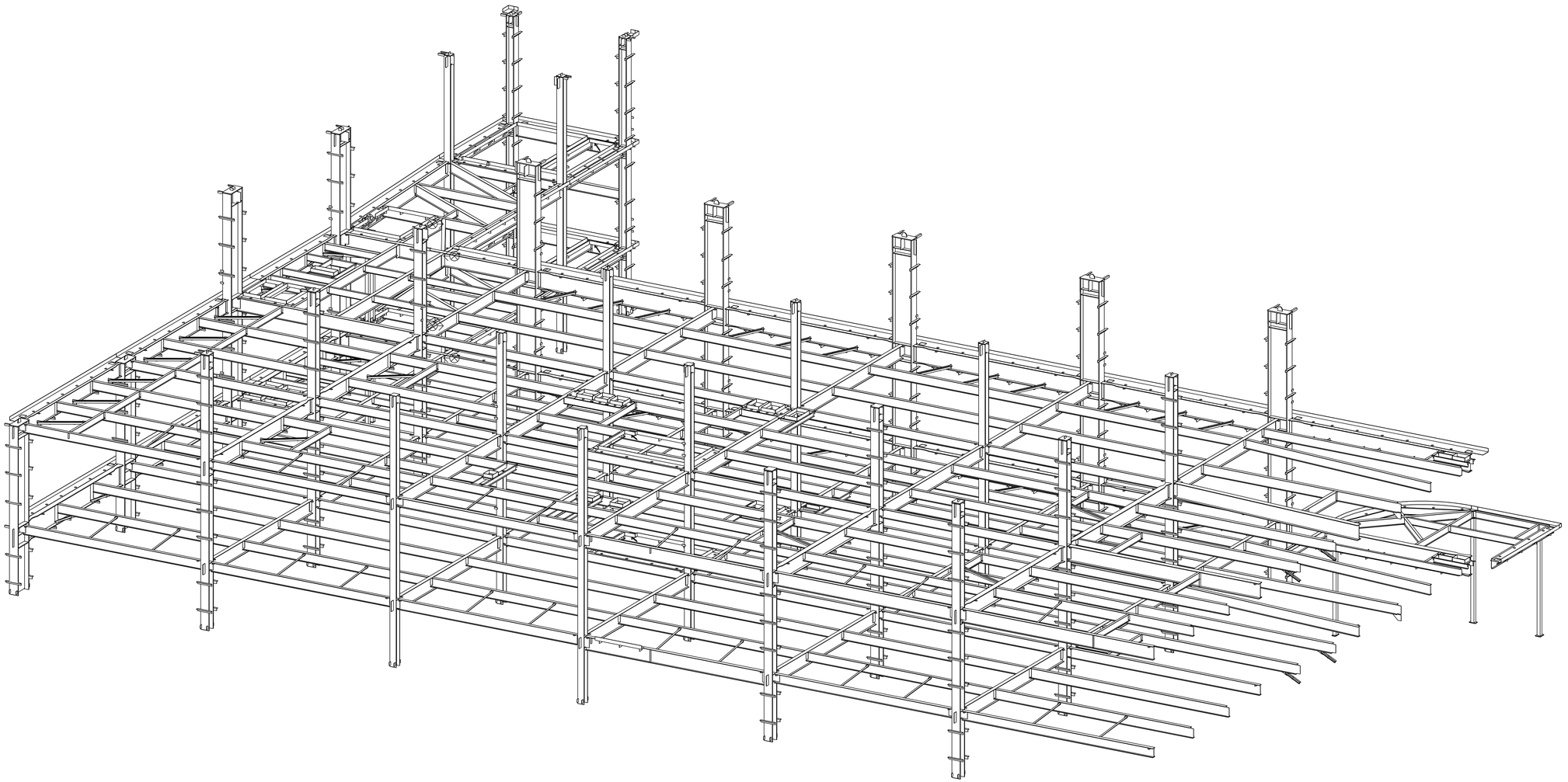
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		6	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E6003

As Built Schuff Steel 05-10-12

"As Built Schuff Steel"
05-10-12



SEQUENCE 7 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	12/22/2009	ISSUED FOR CONSTRUCTION
A	11/12/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.3

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 7 - 3D

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

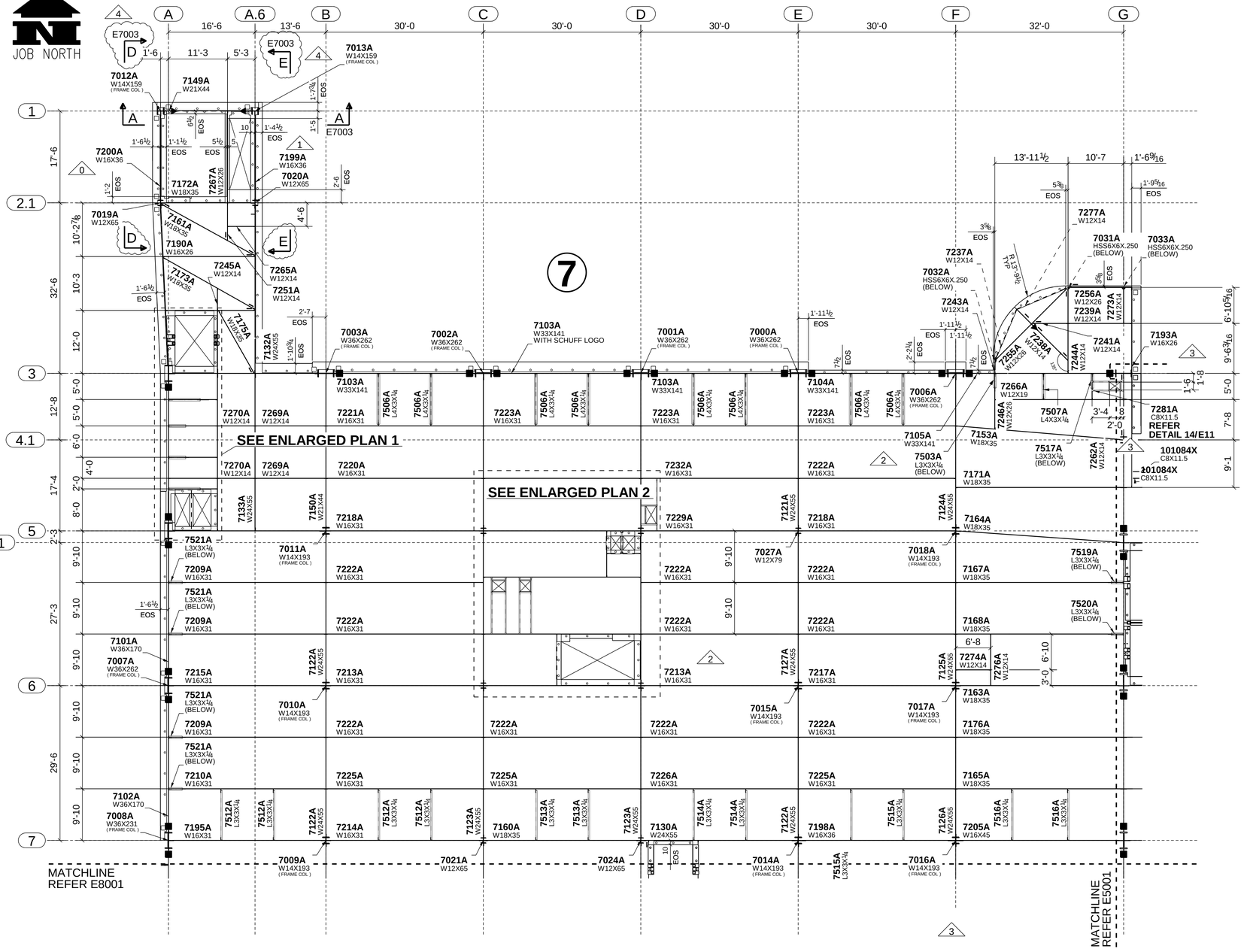
M	C	H	SEQ	REV
	X		7	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E7000

MODEL NAME: 2302_001_131 PLOTTED: 08:33:21am 12/23/2009

JOB NORTH

"As Built Schuff Steel" 05-10-12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SEE ENLARGED PLAN 1
SEE ENLARGED PLAN 2
MATCHLINE
REFER E8001
MATCHLINE
REFER E5001
7013A W14X159 (FRAME COL.)
7012A W14X159 (FRAME COL.)
7149A W21X44
7200A W16X36
7199A W16X36
7020A W12X65
7172A W18X35
7267A W12X26
7019A W12X65
7161A W18X35
7190A W16X26
7245A W12X14
7265A W12X14
7251A W12X14
7173A W18X35
7175A W18X35
7132A W24X55
7003A W36X262 (FRAME COL.)
7002A W36X262 (FRAME COL.)
7103A W33X141 WITH SCHUFF LOGO
7001A W36X262 (FRAME COL.)
7000A W36X262 (FRAME COL.)
7277A W12X14
7031A HSS6X6X.250 (BELOW)
7033A HSS6X6X.250 (BELOW)
7237A W12X14
7032A HSS6X6X.250 (BELOW)
7243A W12X14
7256A W12X26
7239A W12X14
7273A W12X14
7254A W12X26
7238A W12X14
7244A W12X14
7241A W12X14
7193A W16X26
7266A W12X19
7246A W12X26
7507A L4X3X1/4
7281A C8X11.5
REFER DETAIL 14/E11
7105A W33X141
7153A W18X35
7503A L3X3X1/4 (BELOW)
7517A L9X3X1/4 (BELOW)
7262A W12X14
101084X C8X11.5
7103A W33X141
7104A W33X141
7006A W36X262 (FRAME COL.)
7223A W16X31
7506A L4X3X1/4
7270A W12X14
7269A W12X14
7221A W16X31
7220A W16X31
7232A W16X31
7222A W16X31
7171A W18X35
7133A W24X55
7150A W22X44
7218A W16X31
7229A W16X31
7121A W24X55
7124A W24X55
7164A W18X35
7011A W14X193 (FRAME COL.)
7027A W12X79
7018A W14X193 (FRAME COL.)
7519A L3X3X1/4 (BELOW)
7521A L3X3X1/4 (BELOW)
7209A W16X31
7222A W16X31
7167A W18X35
7520A L3X3X1/4 (BELOW)
7168A W18X35
7101A W36X170
7007A W36X262 (FRAME COL.)
7215A W16X31
7122A W24X55
7213A W16X31
7127A W24X55
7125A W24X55
7274A W12X14
7276A W12X14
7163A W18X35
7010A W14X193 (FRAME COL.)
7015A W14X193 (FRAME COL.)
7017A W14X193 (FRAME COL.)
7217A W16X31
7176A W18X35
7102A W36X170
7008A W36X231 (FRAME COL.)
7195A W16X31
7512A L3X3X1/4
7214A W16X31
7123A W24X55
7160A W18X35
7513A L3X3X1/4
7130A W24X55
7514A L3X3X1/4
7225A W16X31
7226A W16X31
7165A W18X35
7126A W24X55
7205A W16X45
7516A L3X3X1/4
7009A W14X193 (FRAME COL.)
7021A W12X65
7024A W12X65
7014A W14X193 (FRAME COL.)
7515A L3X3X1/4
7016A W14X193 (FRAME COL.)
7198A W16X36
7222A W16X31
7218A W16X31
7168A W18X35
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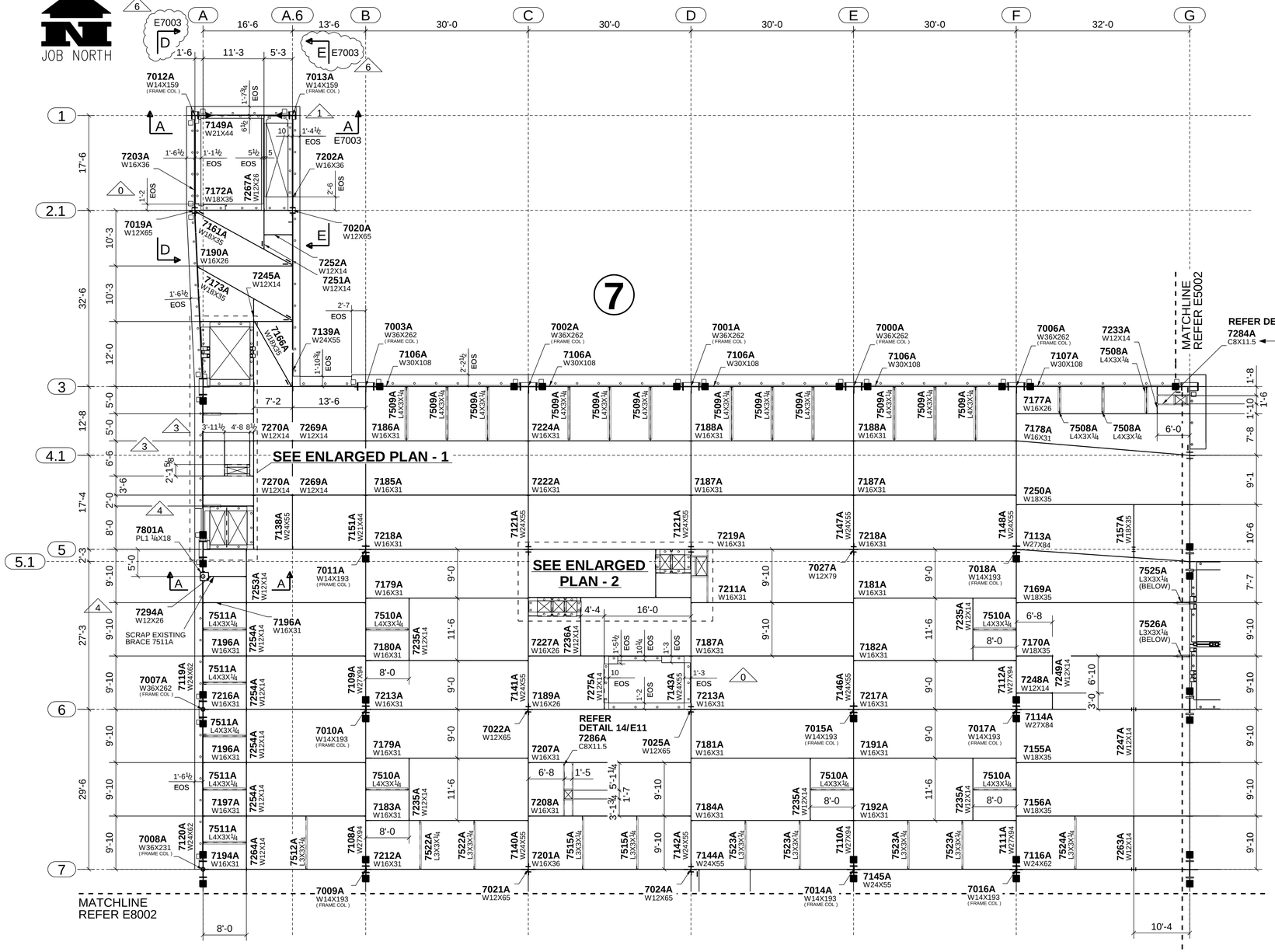
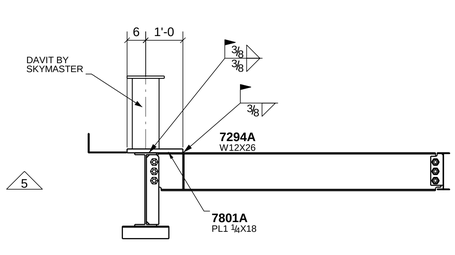
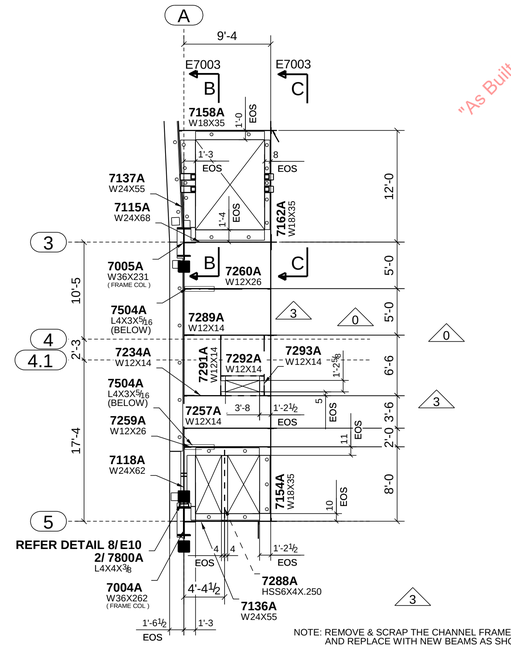
7222A W16X31
7213A W16X31
7222A W16X31
7222A W16X31
7222

JOB NORTH



LEVEL 4 FRAMING PLAN - SEQ 7
T.O.S. EL 64'-5 3/4 U.N.





ENLARGED PLAN - 1
T.O.S. EL 64'-5 3/4 U.N.

ENLARGED PLAN - 2
T.O.S. EL 64'-5 3/4 U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

6	09/08/2010	SECTION SYMBOLS ADDED FOR HSS GIRTS (BDS X1.059)
5	07/27/2010	FIELD WELD REMOVED FROM DAVIT BASE PLATE DETAIL (BDS X1.054)
4	06/28/2010	BEAM AND DAVIT BASE PLATE ADDED (BDS X1.043)
3	03/22/2010	CHANNEL FRAME REMOVED & REPLACED WITH BEAMS (BDS X1.039)
2	03/02/2010	OPENING LOCATION REV'D PER SS RFI # 449 (BDS X3.016)
1	01/12/2010	EDGE OF SLAB MODIFIED (BDS X3.010)
0	12/22/2009	ISSUED FOR CONSTRUCTION
A	11/12/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.4
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

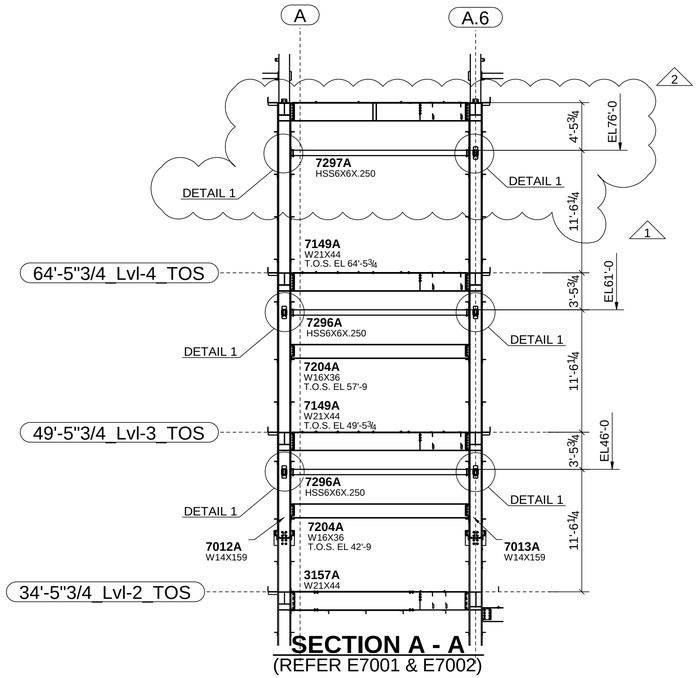
DETAILS OF: SEQUENCE 7 - LEVEL 4 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		7	6

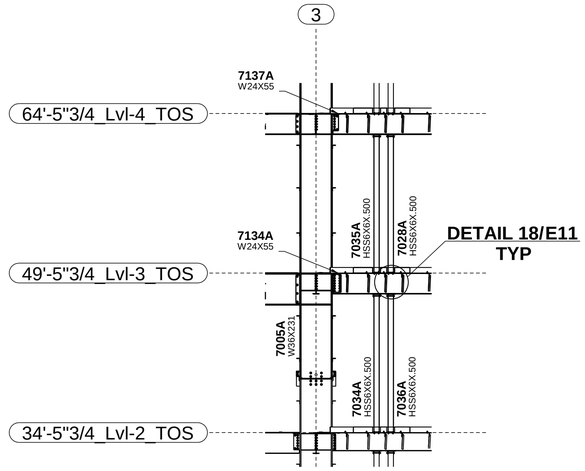
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E7002

"As Built Schuff Steel" 05-10-12

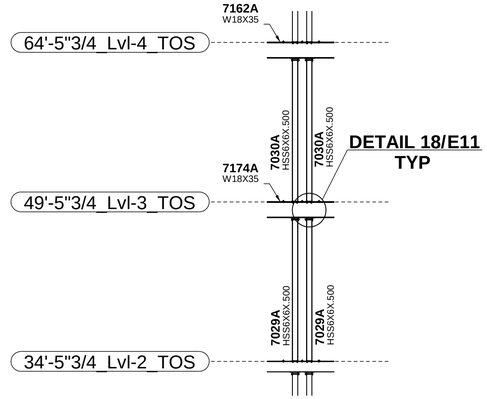
MODEL NAME: 2352_001_131 PLOTTED: 12:11:29pm 09/08/2010



SECTION A - A
(REFER E7001 & E7002)



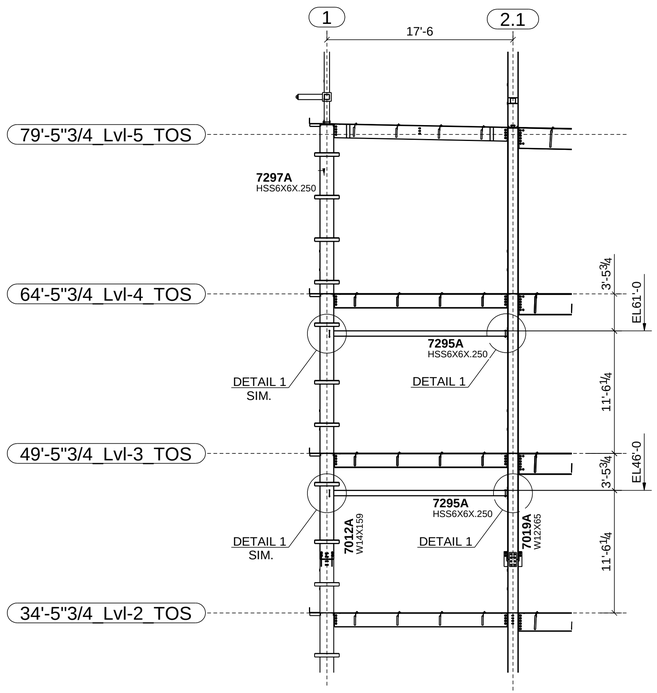
SECTION B - B
(REFER E7001 & E7002)



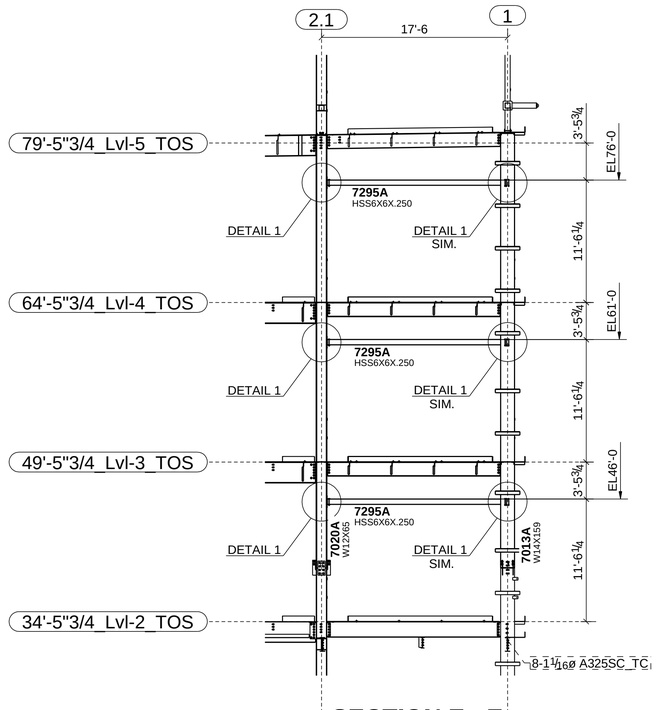
SECTION C - C
(REFER E7001 & E7002)

"As Built Schuff Steel"
05-10-12

1



SECTION D - D
(REFER E7001 & E7002)



SECTION E - E
(REFER E7001 & E7002)

1

F - F

DETAIL 1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/01/2010	HSS GIRT ADDED & DAMAGE BOLT THREAD NOTE ADDED TO DETAIL 1 (BDS X1.060)
1	09/08/2010	HSS GIRTS ADDED (BDS X1.059)
A	11/12/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.3 & S2.4

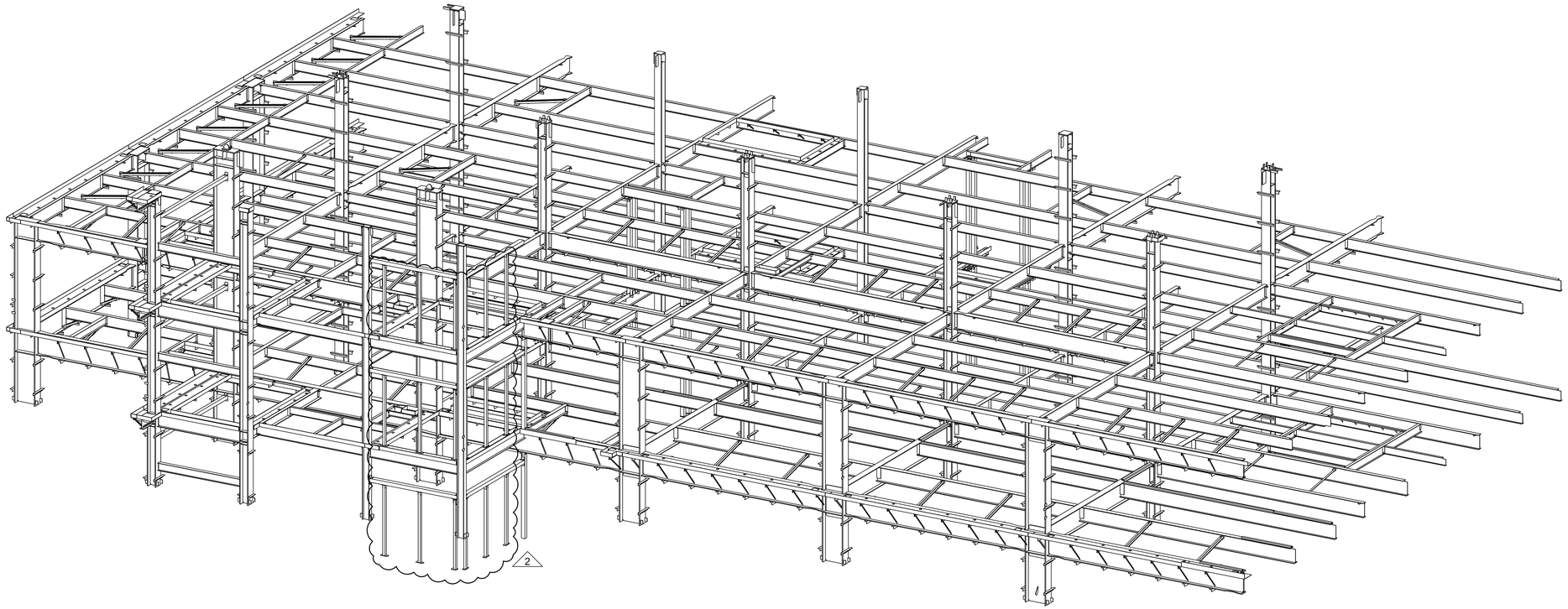
MADE BY: CC	CHECKED BY: WJ	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		7	2

DETAILS OF: SEQUENCE 7 - SECTIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E7003

MODEL NAME: 2302_001_131 PLOTTED: 07:26:19am 10/01/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 8 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/13/2010	STEELWORK ADDED (BDS X1.060)
1	03/30/2010	STEELWORK ADDED (BDS X1.040)
0	01/13/2010	ISSUED FOR CONSTRUCTION
A	11/17/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

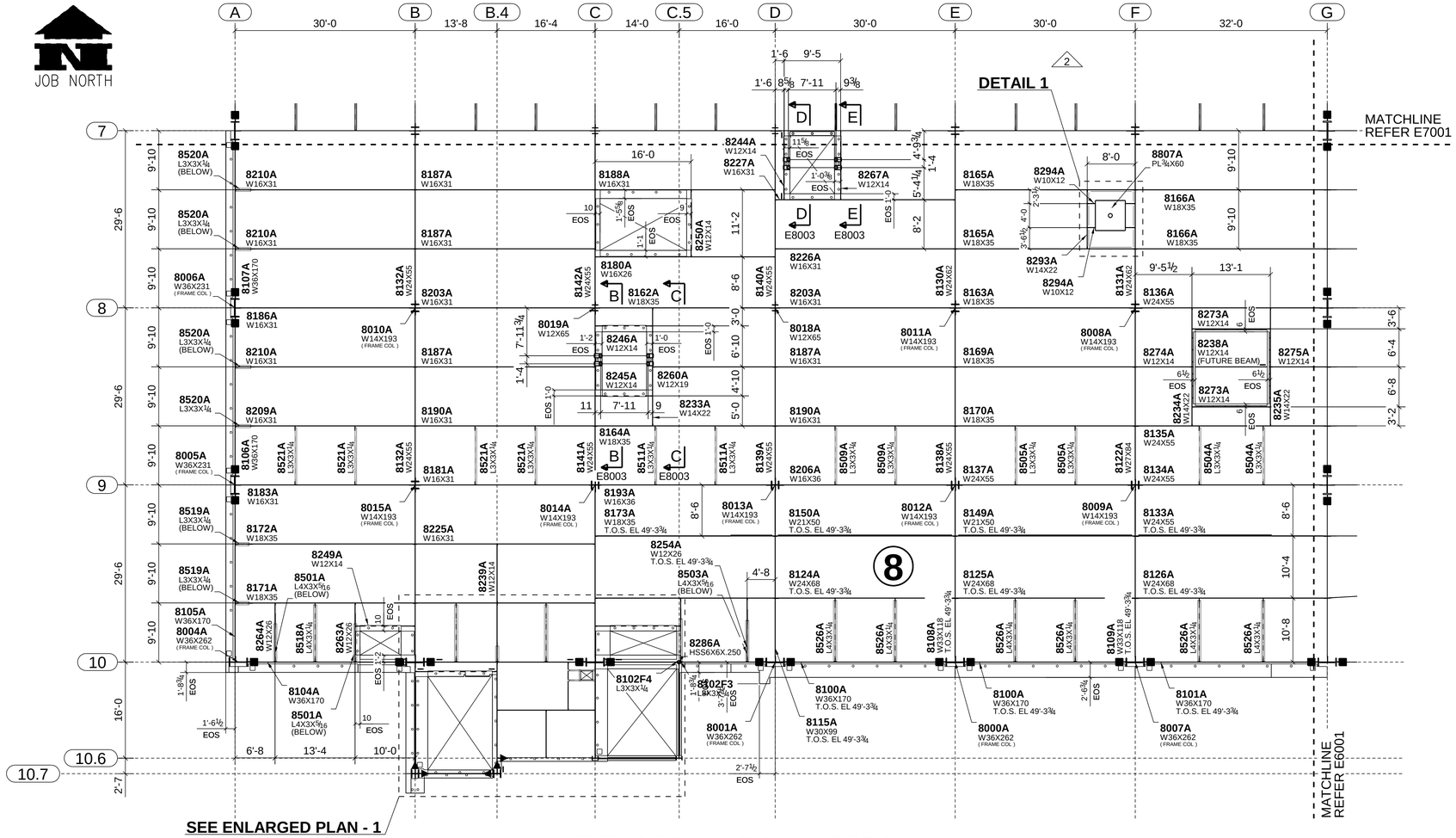
DESIGN DRAWING REFERENCE:

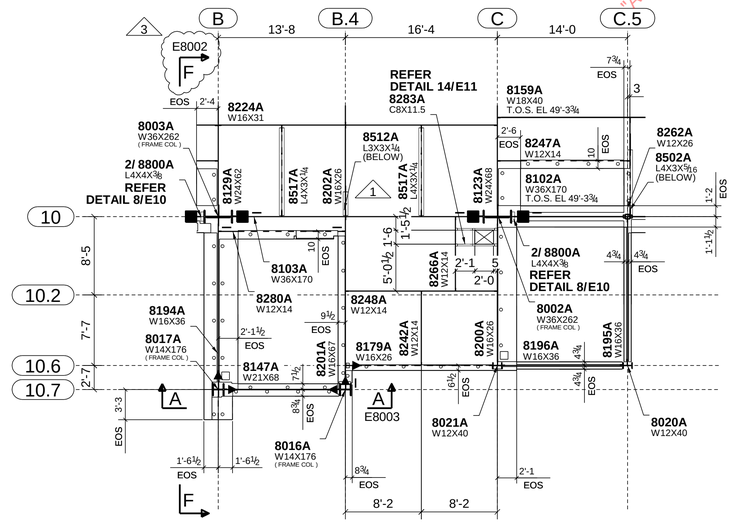
MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
DETAILS OF: SEQUENCE 8 - 3D				X		8	2
STRUCTURE: CHOC HOSPITAL							
LOCATION: TOWER II							

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E8000

MODEL NAME: 2302_001_131 PLOTTED: 11:37:45am 10/13/2010

JOB NORTH

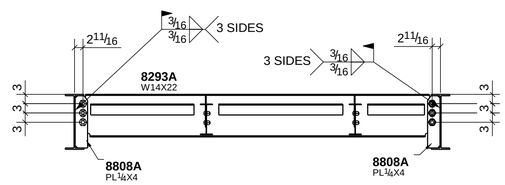




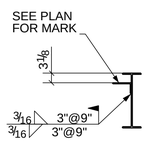
ENLARGED PLAN - 1
T.O.S. EL 49'-5¾ U.N.

"As Built Schuff Steel" 05-10-12

LEVEL 3 FRAMING PLAN - SEQ 8
T.O.S. EL 49'-5¾ U.N.



F - F



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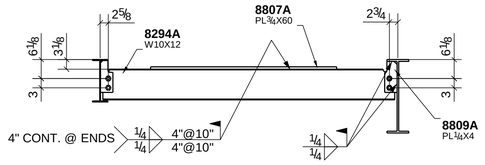
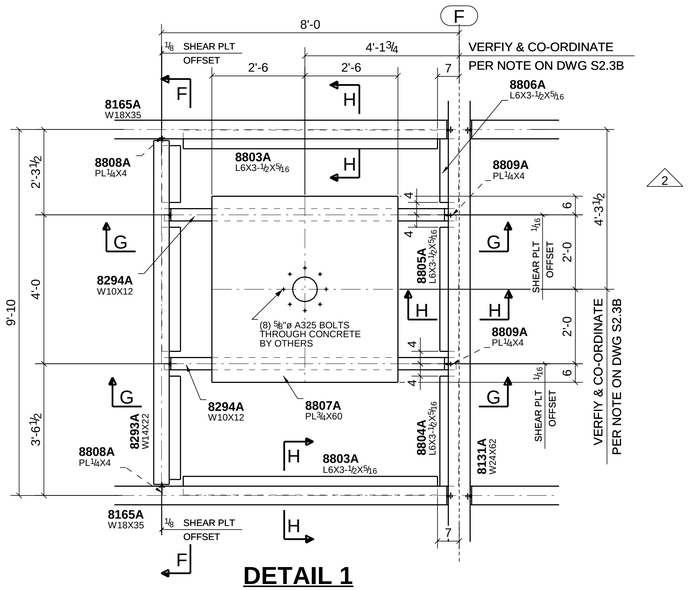


G - G



DETAIL 1

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	09/08/2010	SECTION SYMBOLS ADDED FOR HSS GIRTS (BDS X1.059)
2	07/07/2010	NEW FRAMING ADDED (BDS X1.049)
1	02/23/2010	FRAME OPENING RELOCATED (BDS X3.016)
0	01/13/2010	ISSUED FOR CONSTRUCTION
A	11/17/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.3

MADE BY: CC	CHECKED BY: WJ	DATE: 08/25/2009

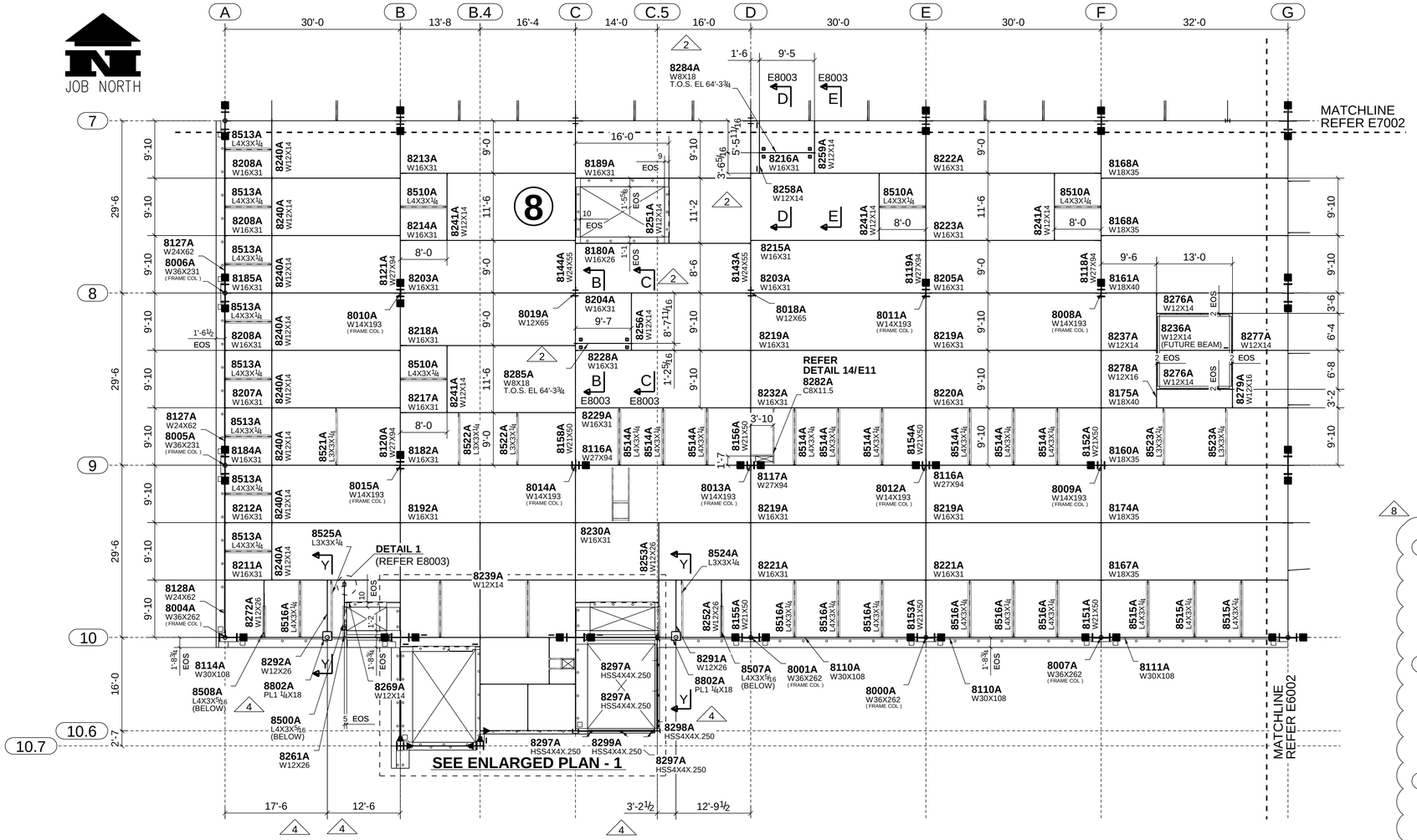
DETAILS OF: SEQUENCE 8 - LEVEL 3 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		8	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E8001

MODEL NAME: 2302_001_131 PLOTTED: 12:11:40pm 09/08/2010

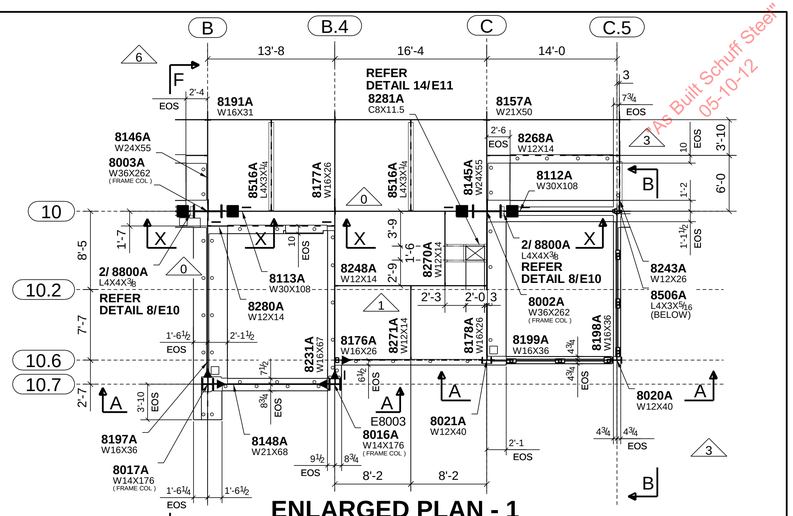
JOB NORTH



LEVEL 4 FRAMING PLAN - SEQ 8

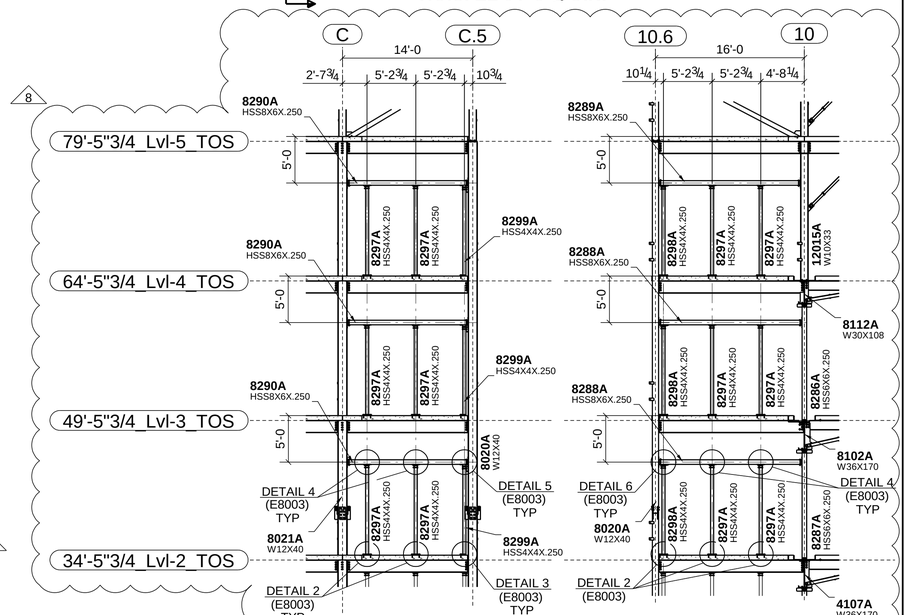
T.O.S. EL 64'-5¾ U.N.

NOTE: REMOVE & SCRAP THE EXISTING BEAMS 8255A & 8257A AND REPLACE THESE WITH NEW BEAMS 8284A & 8285A LOCATED NEAR GRIDS 7/ D & 8/C.



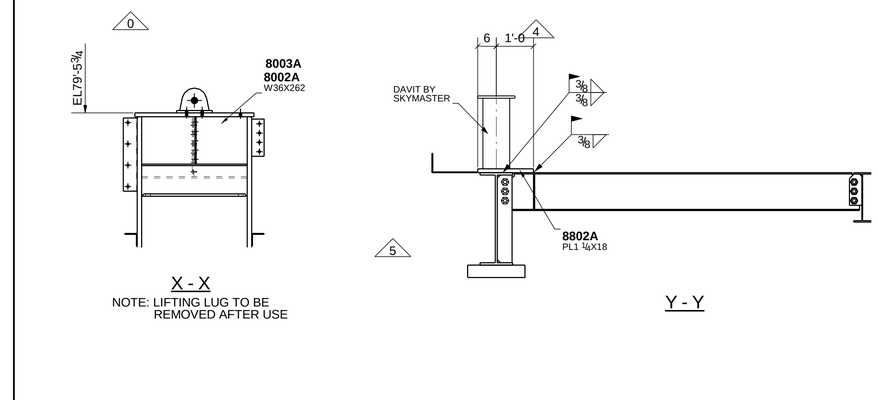
ENLARGED PLAN - 1

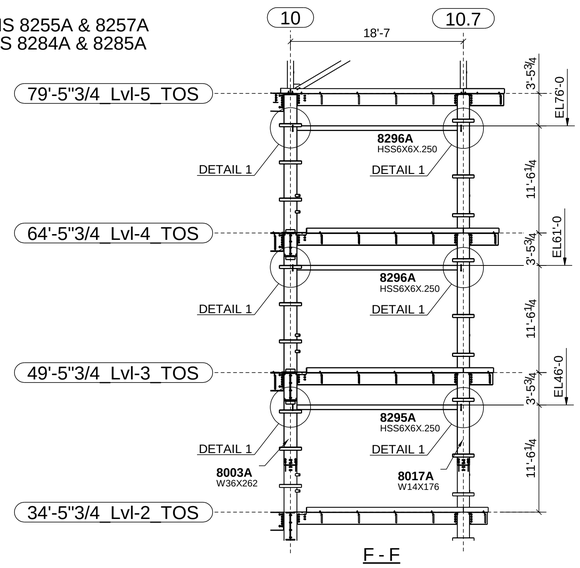
T.O.S. EL 64'-5¾ U.N.

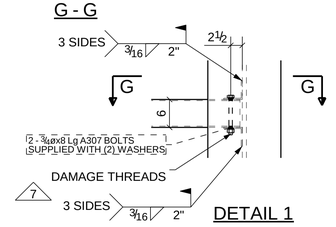


SECTION A - A

SECTION B - B







ERECTION NOTES

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8	10/13/2010	HSS POSTS ADDED (BDS X1.060)
7	10/01/2010	DAMAGE BOLT THREAD NOTE ADDED TO DETAIL 1 (BDS X1.060)
6	09/08/2010	HSS GIRTS ADDED (BDS X1.059)
5	07/27/2010	FIELD WELD REMOVED FROM DAVIT BASE PLATE DETAIL (BDS X1.054)
4	06/28/2010	BEAMS AND DAVIT BASE PLATES ADDED (BDS X1.043)
3	03/31/2010	STEELWORK ADDED (BDS X1.040)
2	03/15/2010	BEAM SIZE & MARK REVISED (BDS X1.035)
1	02/23/2010	FRAME OPENING RELOCATED (BDS X3.016)
0	01/13/2010	ISSUED FOR CONSTRUCTION
A	11/17/2009	ISSUED FOR APPROVAL

AS Built Schuff Steel 05-10-12

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.4

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 8 - LEVEL 4 PLAN

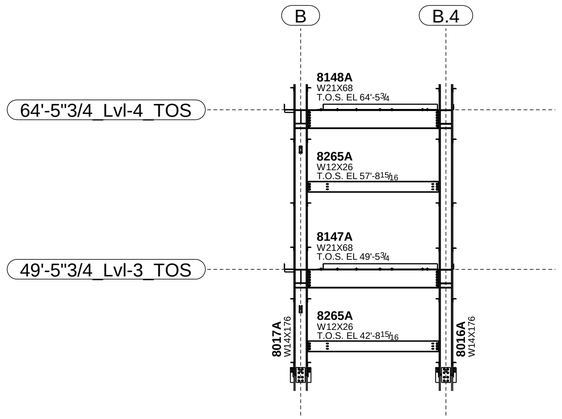
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

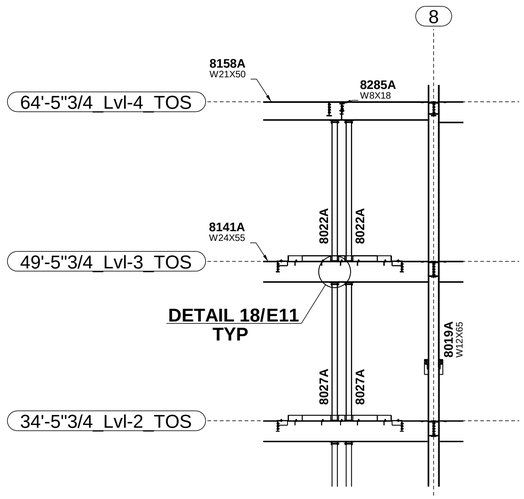
M	C	H	SEQ	REV
	X		8	8

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E8002

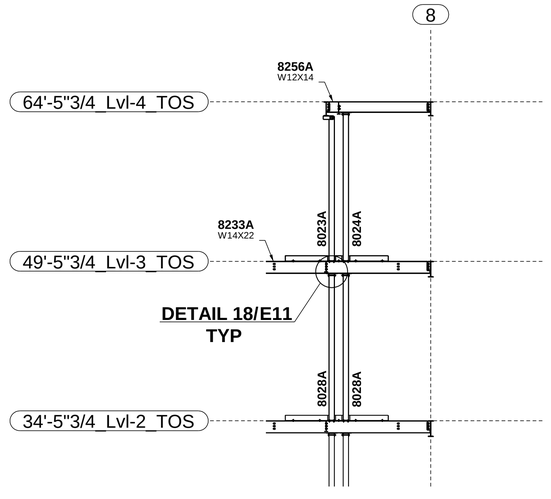
MODEL NAME: 2302_001_131 PLOTTED: 11:37:59am 10/13/2010



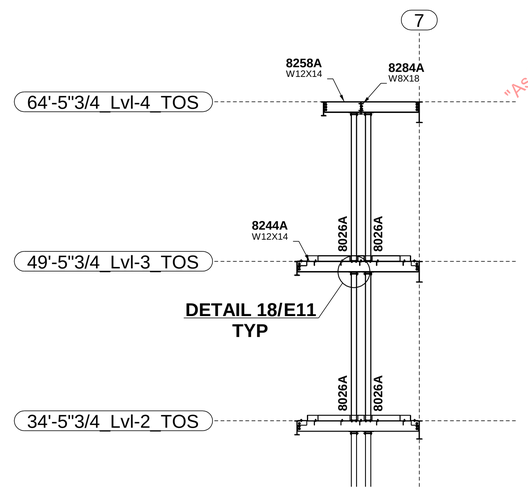
SECTION A - A
(REFER E8001 & E8002)



SECTION B - B
(REFER E8001 & E8002)

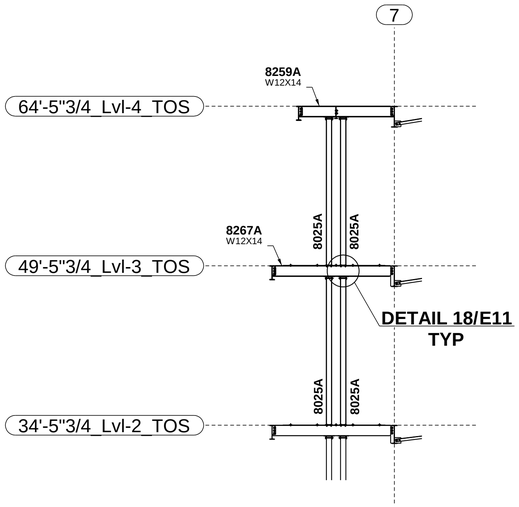


SECTION C - C
(REFER E8001 & E8002)

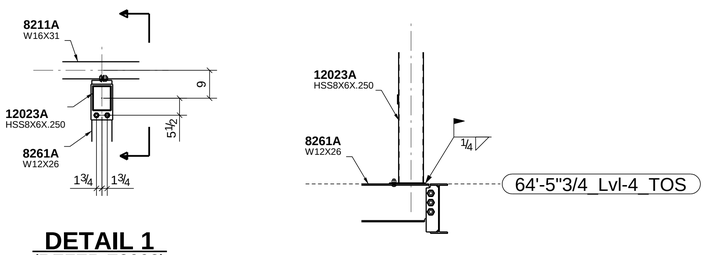


SECTION D - D
(REFER E8001 & E8002)

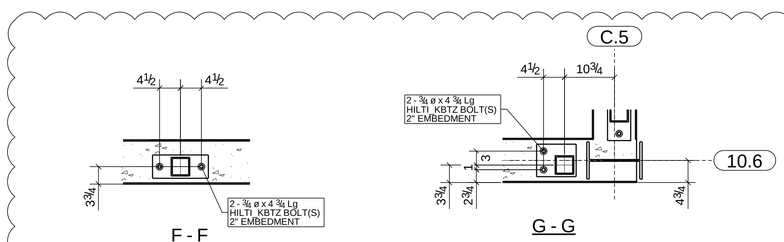
"As Built Schuff Steel"
05-10-12

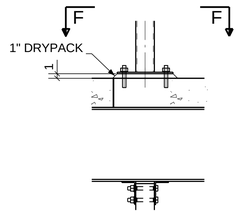


SECTION E - E
(REFER E8001 & E8002)



DETAIL 1
(REFER E8002)





DETAIL 2
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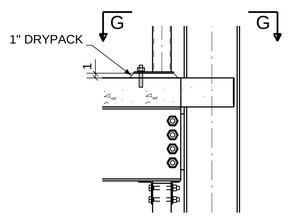
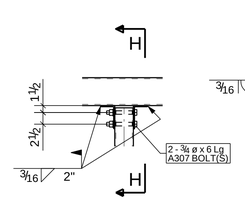
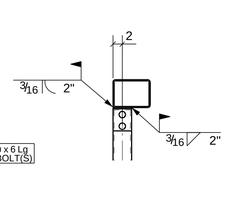
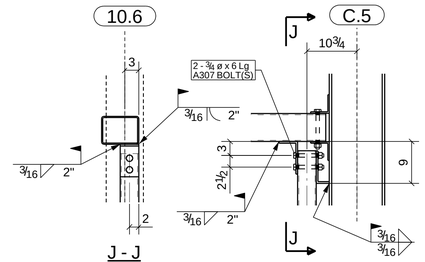


DETAIL 3
(REFER E8002)



DETAIL 4
(REFER E8002)





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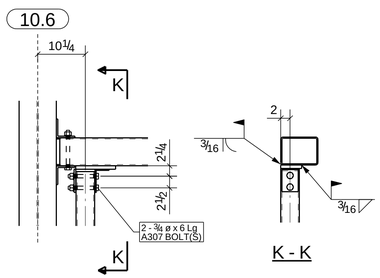
(REFER E8002)



DETAIL 6
(REFER E8002)

ERECTION NOTES

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1	10/13/2010	DETAILS ADDED (BDS X1.060)
0	01/13/2010	ISSUED FOR CONSTRUCTION
A	11/17/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.3 & S2.4

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 8 - SECTIONS AND DETAILS

STRUCTURE: CHOC HOSPITAL

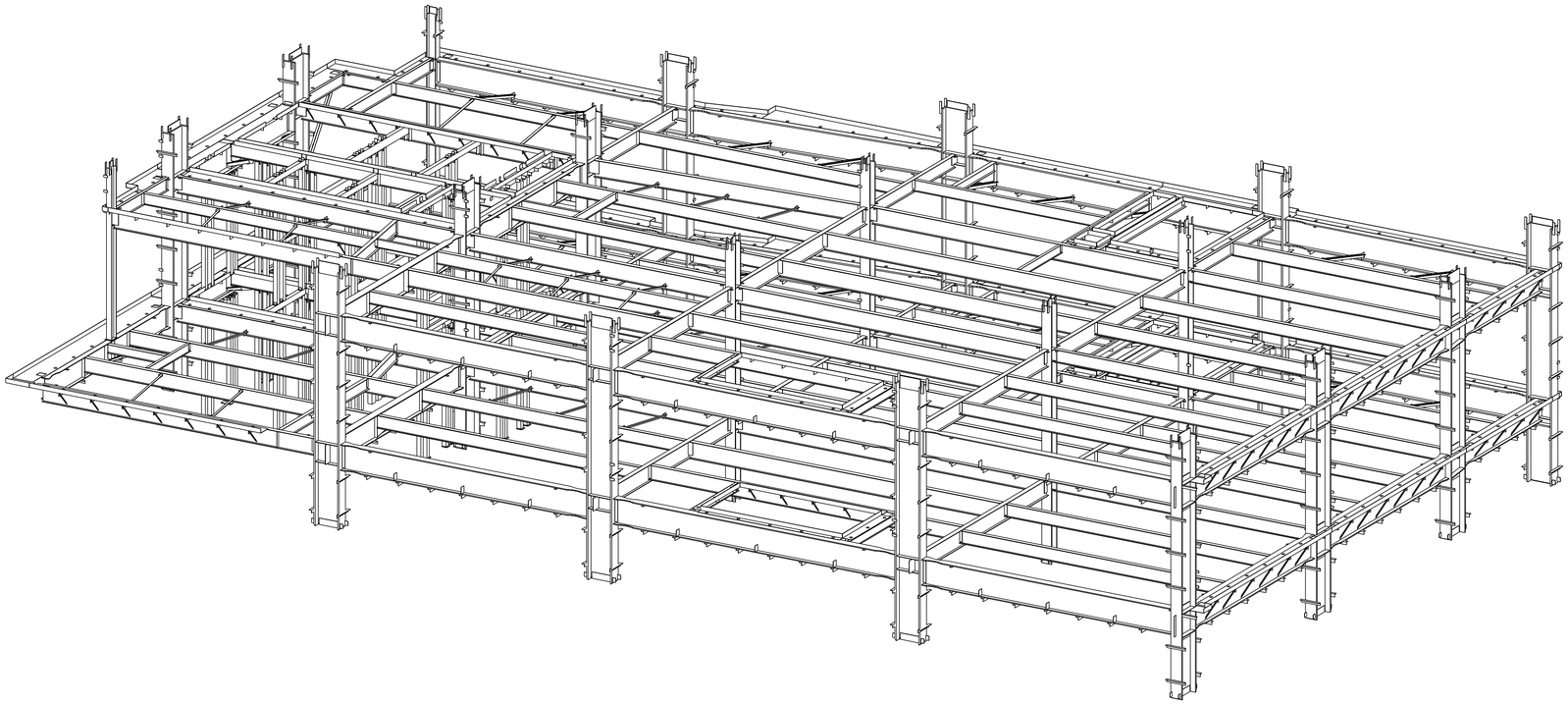
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		8	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E8003

MODEL NAME: 2302_001_131 PLOTTED: 11:38:04am 10/13/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 9 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/23/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:

MADE BY:	CHECKED BY:	DATE: 08/25/2009

DETAILS OF: SEQUENCE 9 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

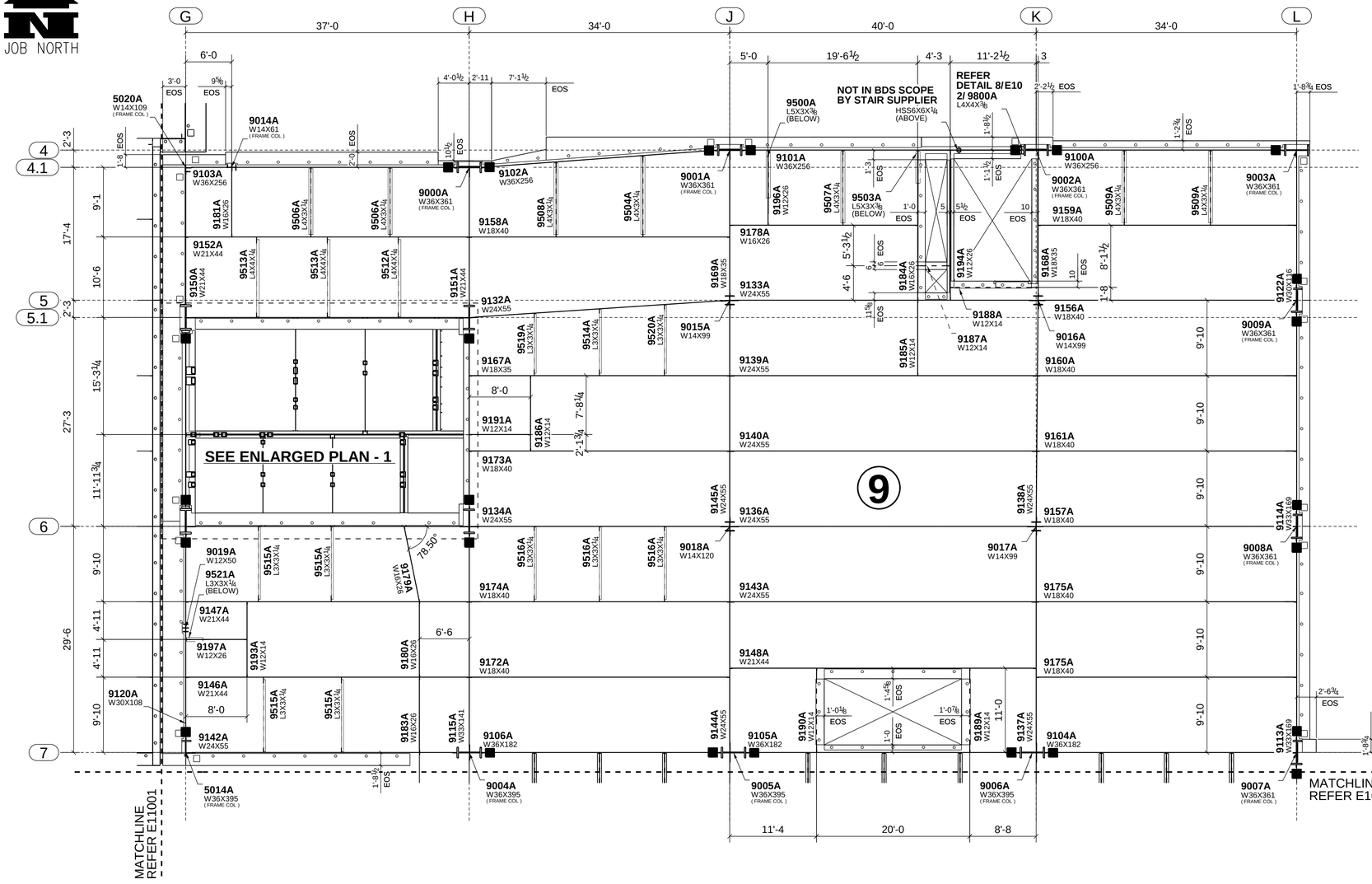
M	C	H	SEQ	REV
	X		9	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E9000

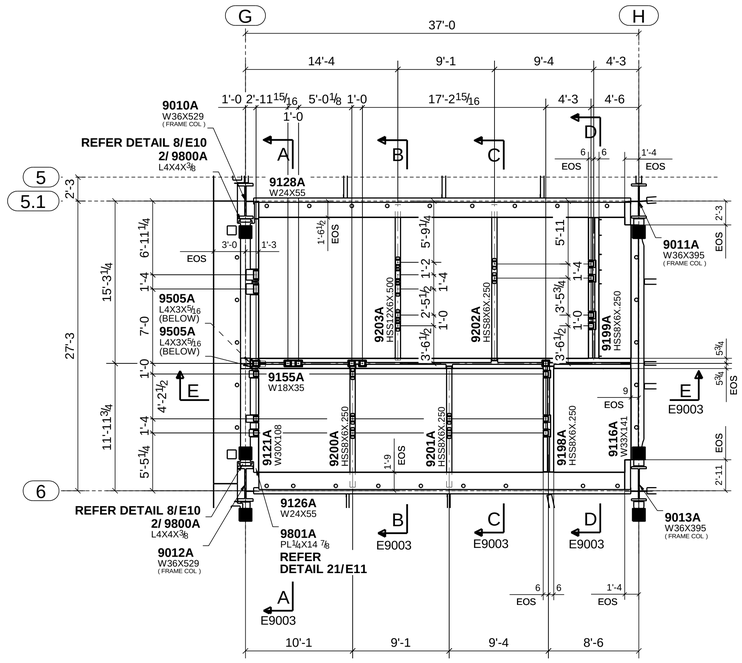
MODEL NAME: 2302_001_131 PLOTTED: 02:58:57pm 01/15/2010

"As Built Schuff Steel"
05-10-12

JOB NORTH



LEVEL 5 FRAMING PLAN - SEQ 9
T.O.S. EL 79'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 79'-5¾ U.N.

ERECTION NOTES

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0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/23/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 9 - LEVEL 5 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

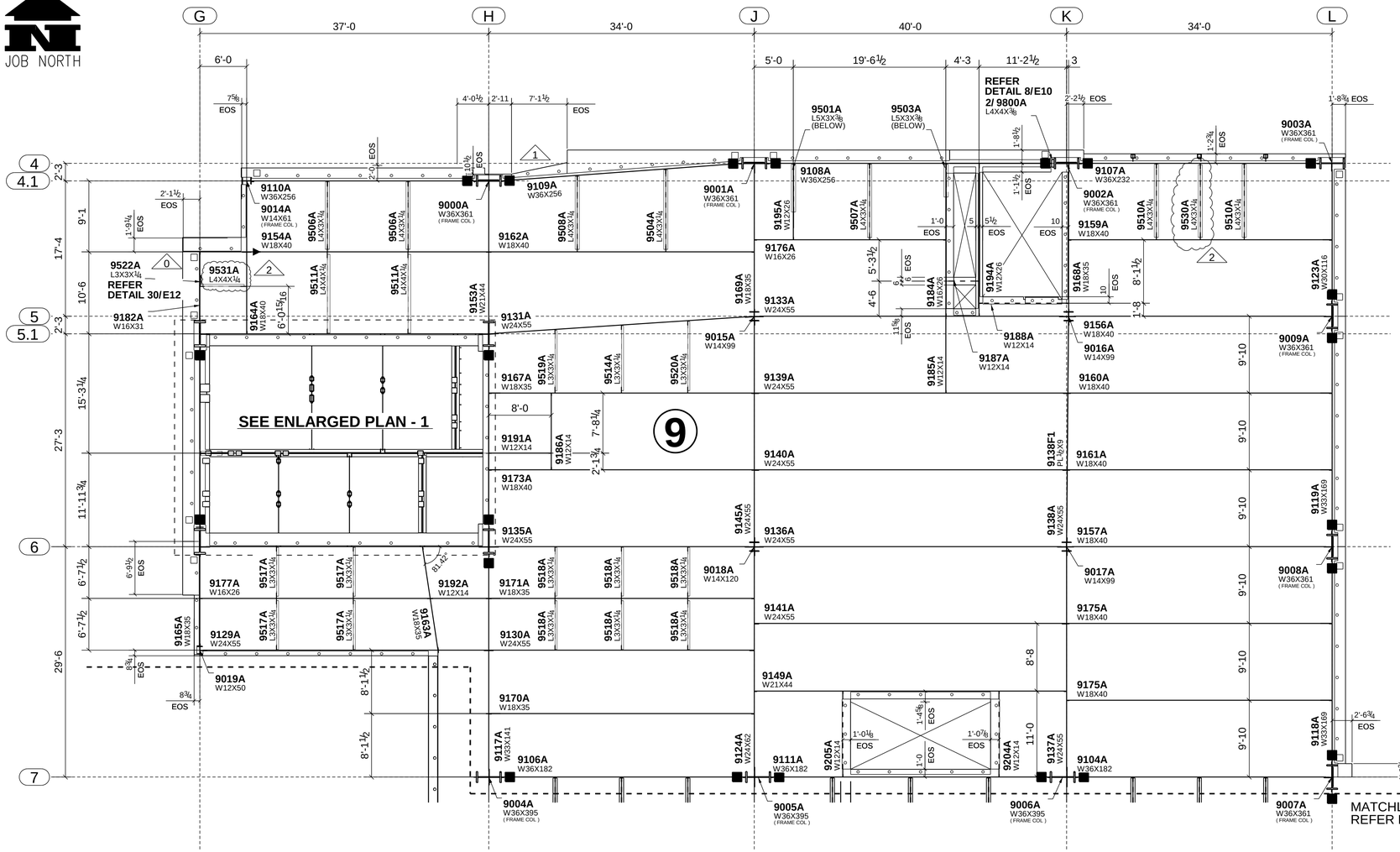
M	C	H	SEQ	REV
	X		9	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E9001

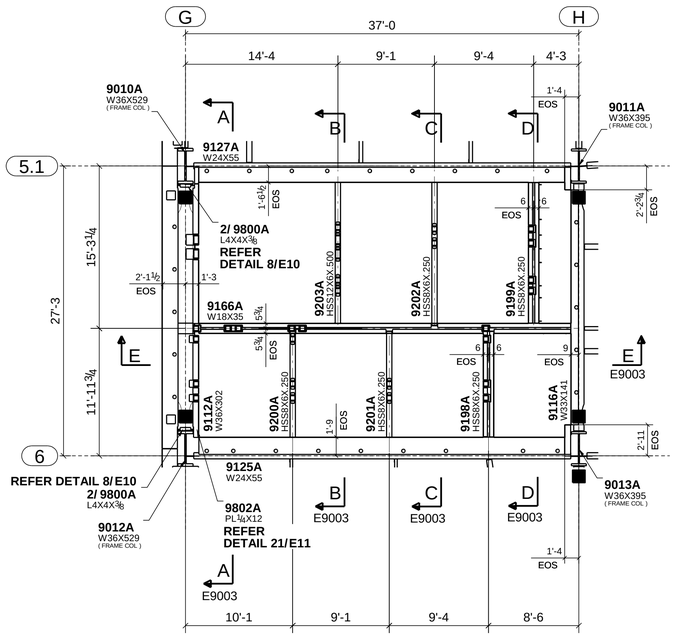
MODEL NAME: 2352_001_131 PLOTTED: 02:59:10pm 01/15/2010

"As Built Schuff Steel"
05-10-12

JOB NORTH



LEVEL 6 FRAMING PLAN - SEQ 9
T.O.S. EL 94'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 94'-5¾ U.N.

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	07/27/2010	BRACES ADDED (BDS X1.053)
1	01/21/2010	PART MARK ADDED (SHOP QUERY)
0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/23/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.6

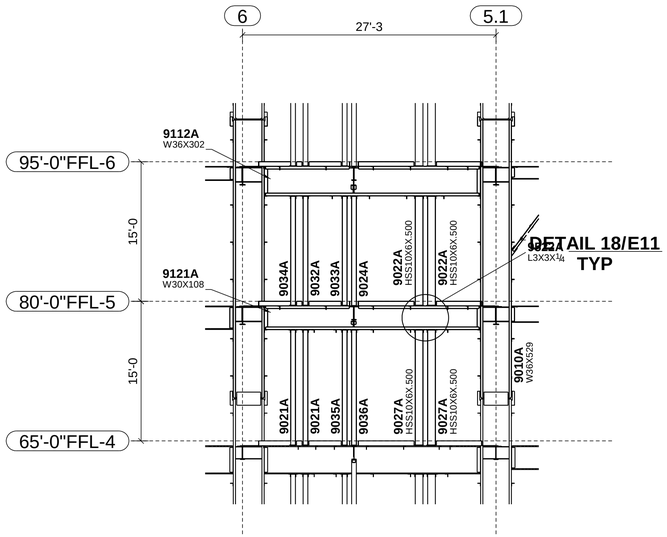
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 9 - LEVEL 6 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		9	2

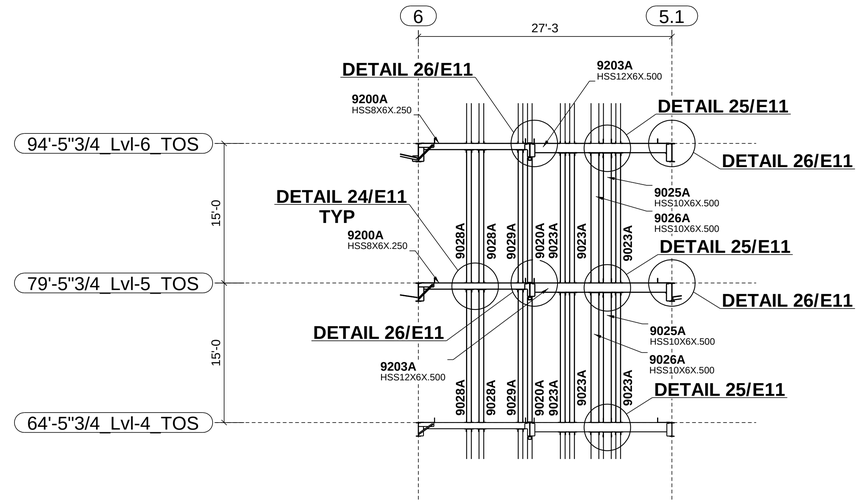
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E9002

MODEL NAME: 2302_001_131 PLOTTED: 11:12:58am 07/29/2010



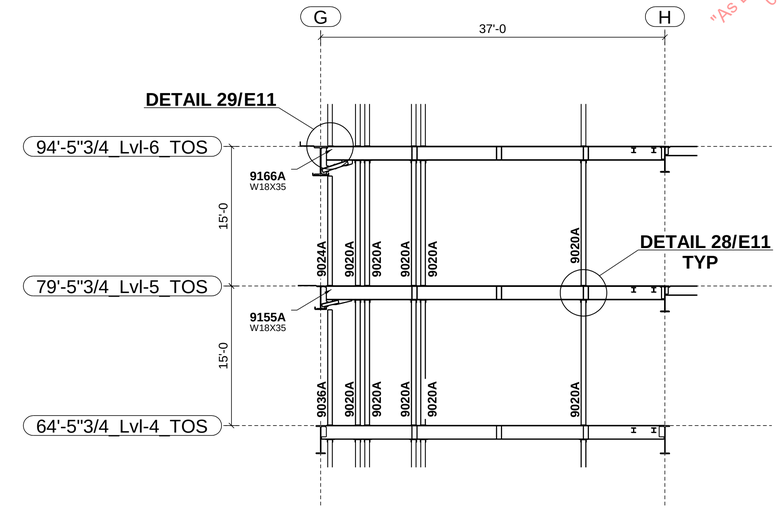
SECTION A - A
(E9001 & E9002)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



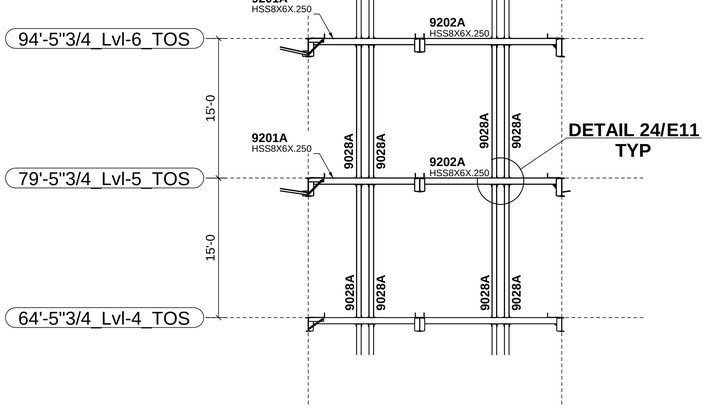
SECTION B - B
(E9001 & E9002)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



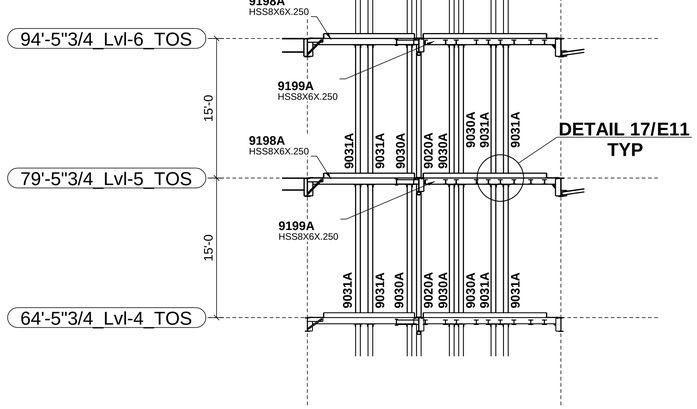
SECTION E - E
(E9001 & E9002)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



SECTION C - C
(E9001 & E9002)

NOTE: ALL POSTS HSS6X6X0.500 U.N.



SECTION D - D
(E9001 & E9002)

NOTE: ALL POSTS HSS6X6X0.500 U.N.

"As Built Schuff Steel" 05-10-12

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/23/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE:

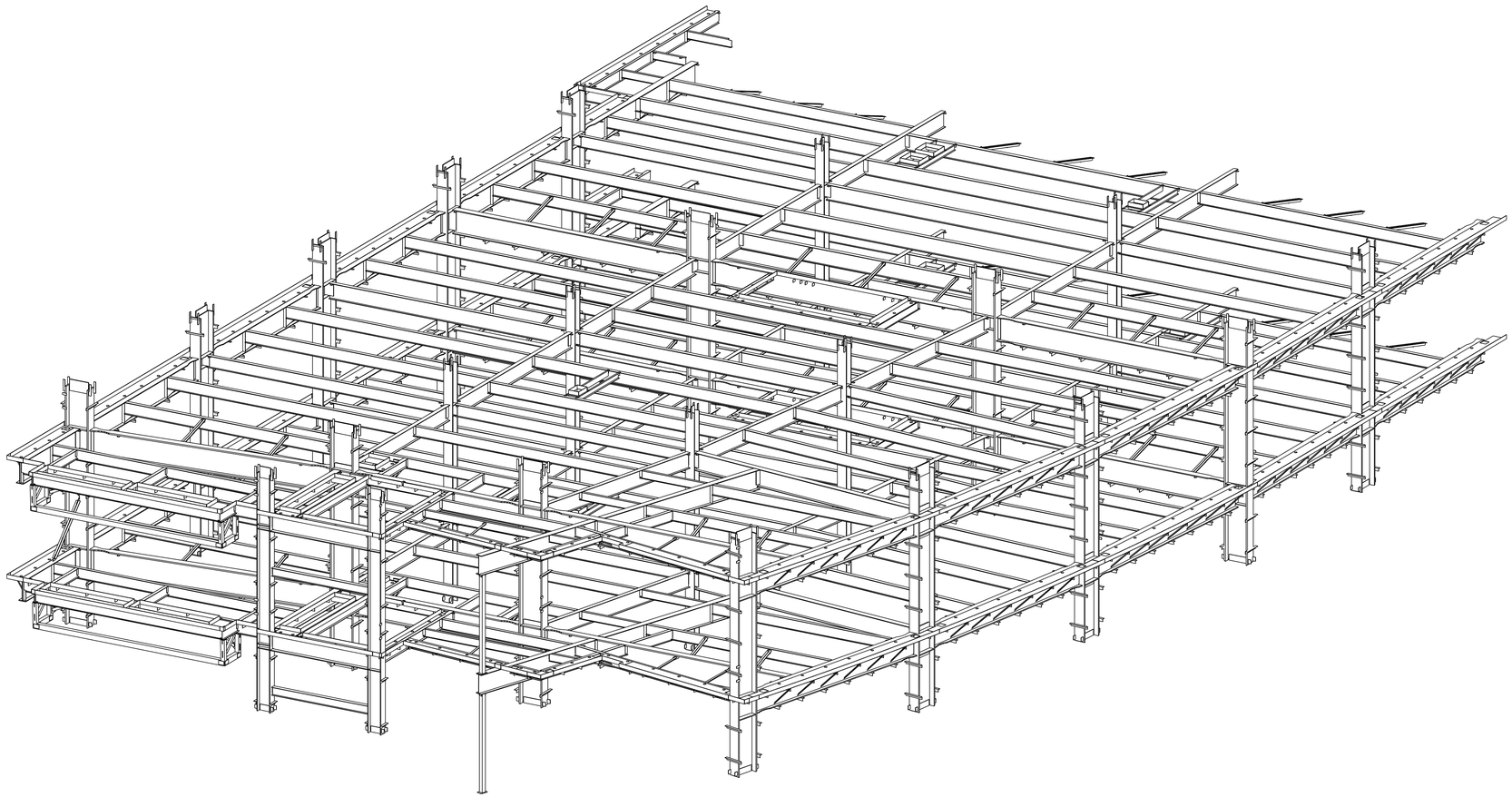
MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		9	0

DETAILS OF: SEQUENCE 9 - ELEVATIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E9003

MODEL NAME: 2302_001_131 PLOTTED: 02:59:29pm 01/15/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 10 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/30/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

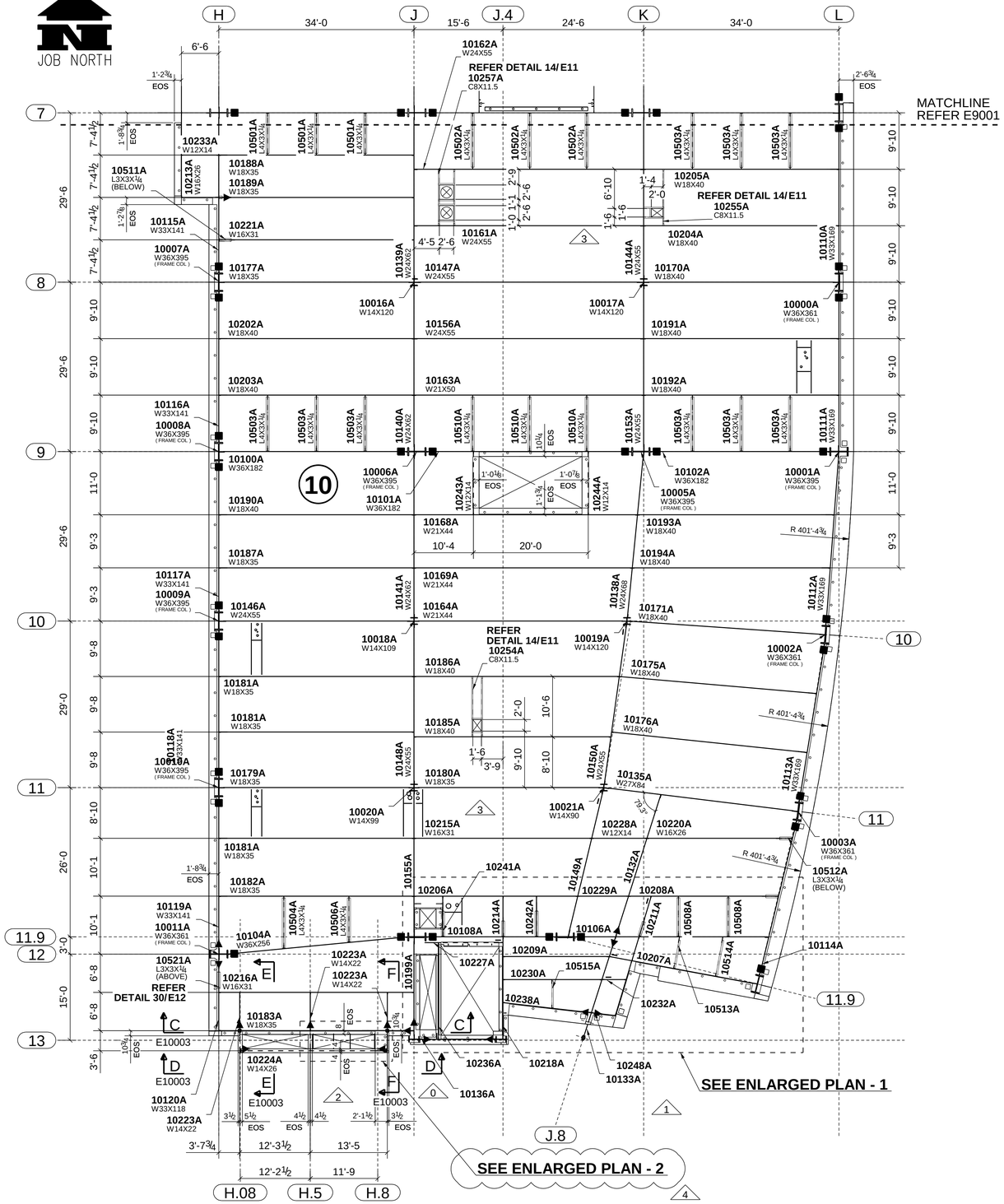
DESIGN DRAWING REFERENCE:

MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		10	0

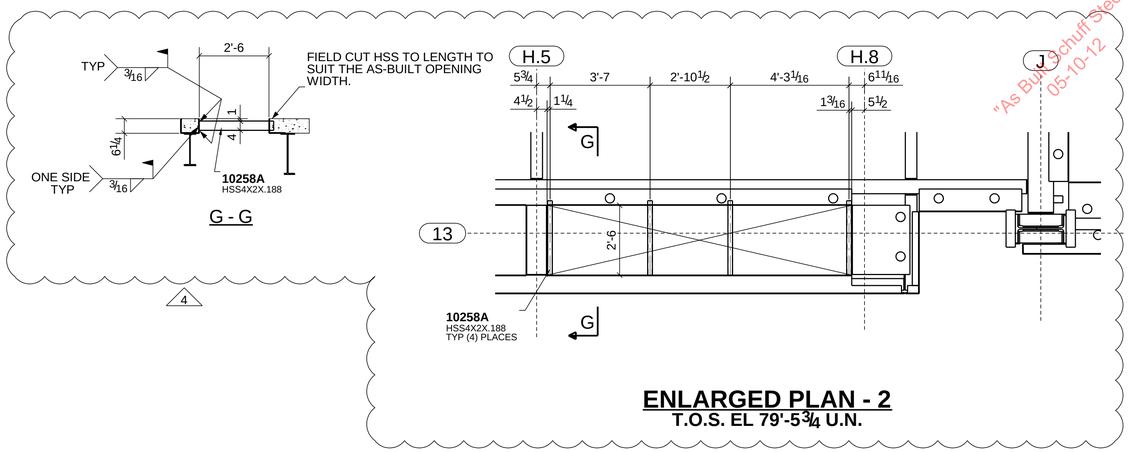
DETAILS OF: SEQUENCE 10 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E10000

MODEL NAME: 2302_001_131 PLOTTED: 04:27:51pm 01/15/2010



LEVEL 5 FRAMING PLAN - SEQ 10
T.O.S. EL 79'-5 3/4 U.N.



ENLARGED PLAN - 2
T.O.S. EL 79'-5 3/4 U.N.

ENLARGED PLAN - 1
T.O.S. EL 79'-5 3/4 U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
3	02/23/2010	FRAMES OPENING RELOCATED (BDS X3.016)
2	02/03/2010	EOS MODIFIED (BDS X3.013)
1	01/22/2010	EDGE OF SLAB MODIFIED (BDS X3.010). PART MARKS ADDED
0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/30/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 10 - LEVEL 5 PLAN

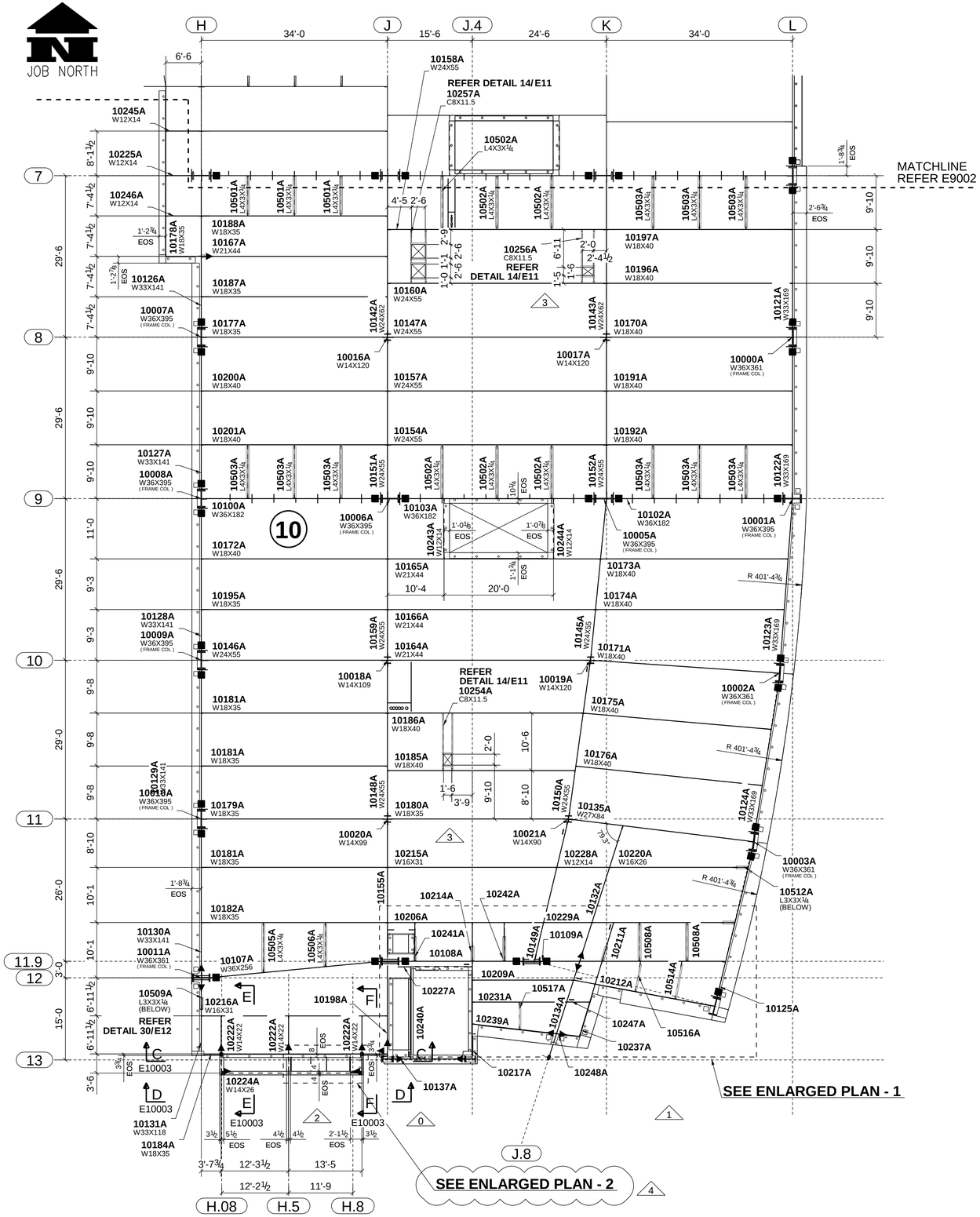
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

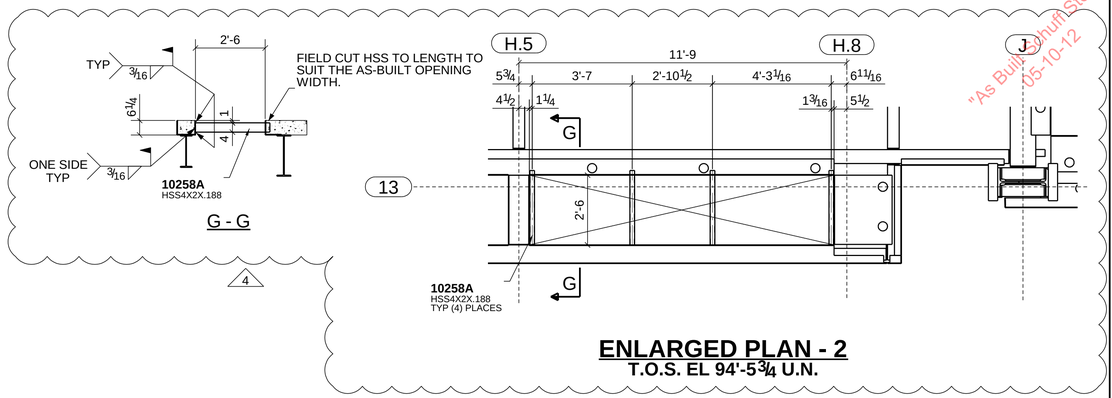
M	C	H	SEQ	REV
	X		10	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E10001

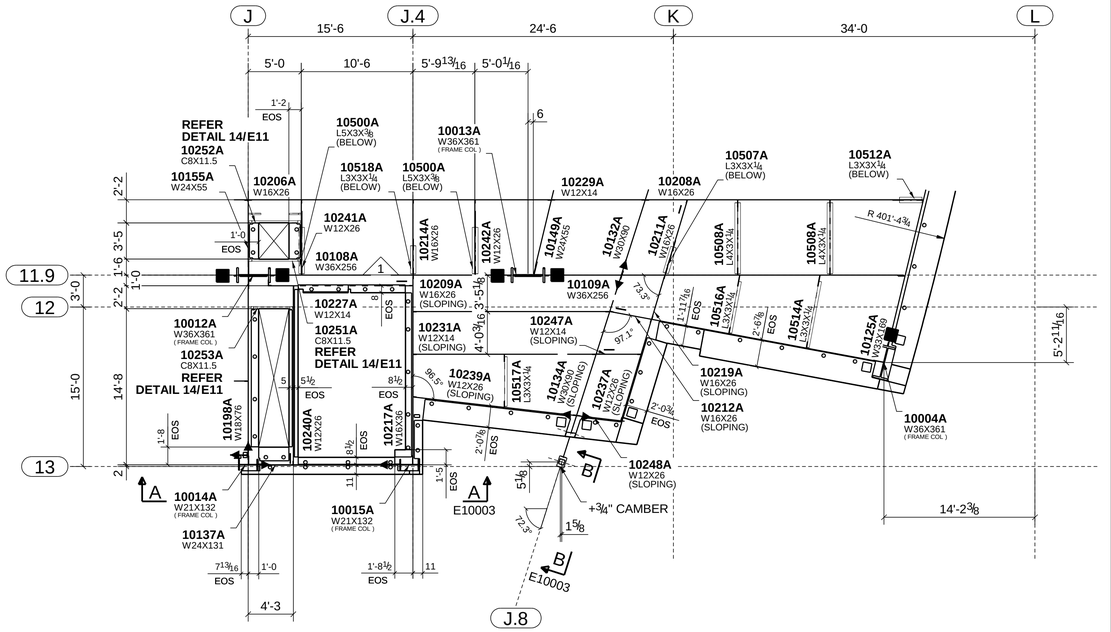
MODEL NAME: 2352_001_131 PLOTTED: 11:23:29am 06/18/2010



LEVEL 6 FRAMING PLAN - SEQ 10
T.O.S. EL 94'-5 3/4 U.N.



ENLARGED PLAN - 2
T.O.S. EL 94'-5 3/4 U.N.



ENLARGED PLAN - 1
T.O.S. EL 94'-5 3/4 U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
3	02/23/2010	FRAMES OPENING RELOCATED (BDS X3.016)
2	02/03/2010	EOS MODIFIED (BDS X3.013)
1	01/22/2010	EDGE OF SLAB MODIFIED (BDS X3.010). PART MARKS ADDED
0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/30/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.6

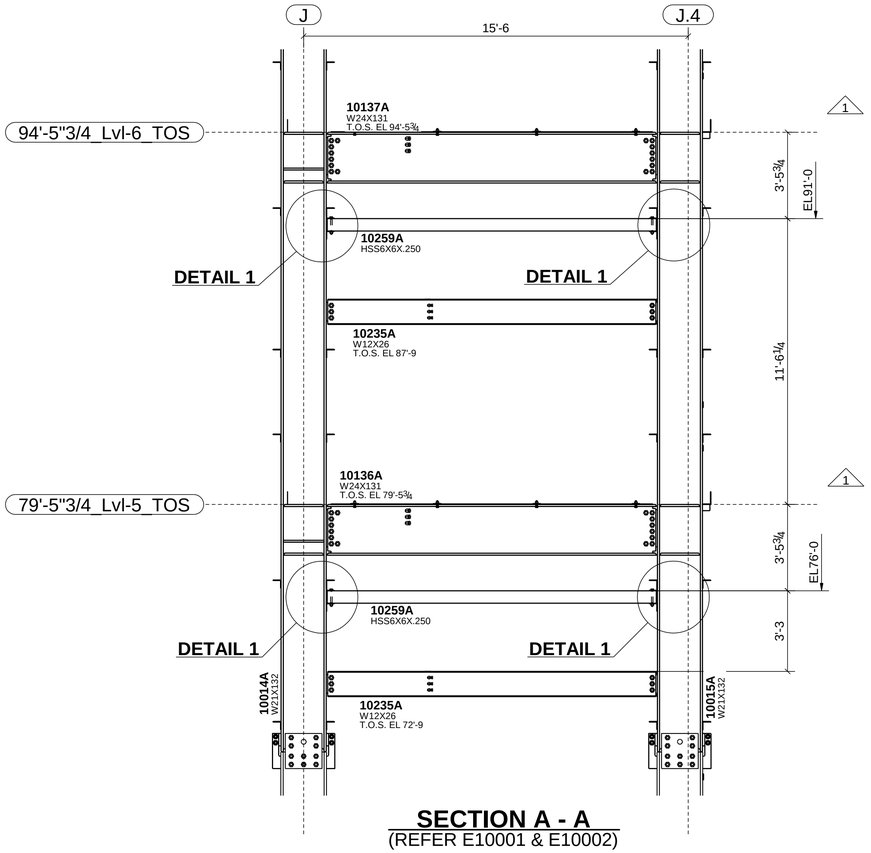
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 10 - LEVEL 6 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

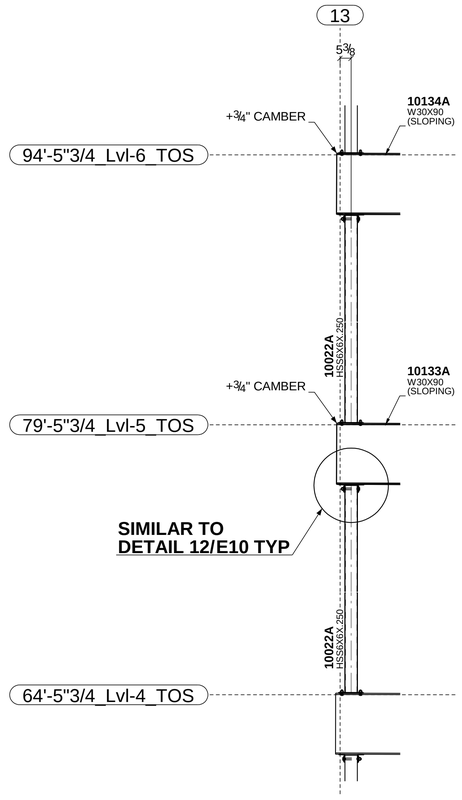
M	C	H	SEQ	REV
	X		10	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E10002

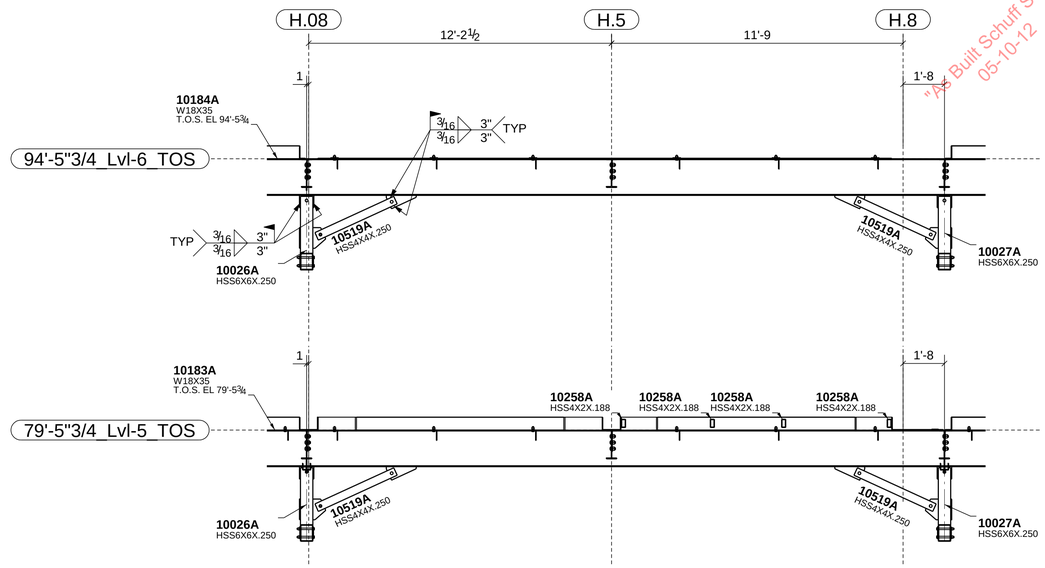
MODEL NAME: 2352_001_131 PLOTTED: 11:23:43am 06/18/2010



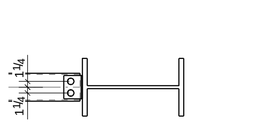
SECTION A - A
(REFER E10001 & E10002)



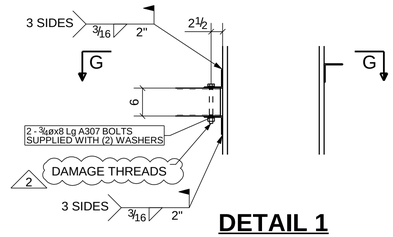
SECTION B - B
(REFER E10001 & E10002)



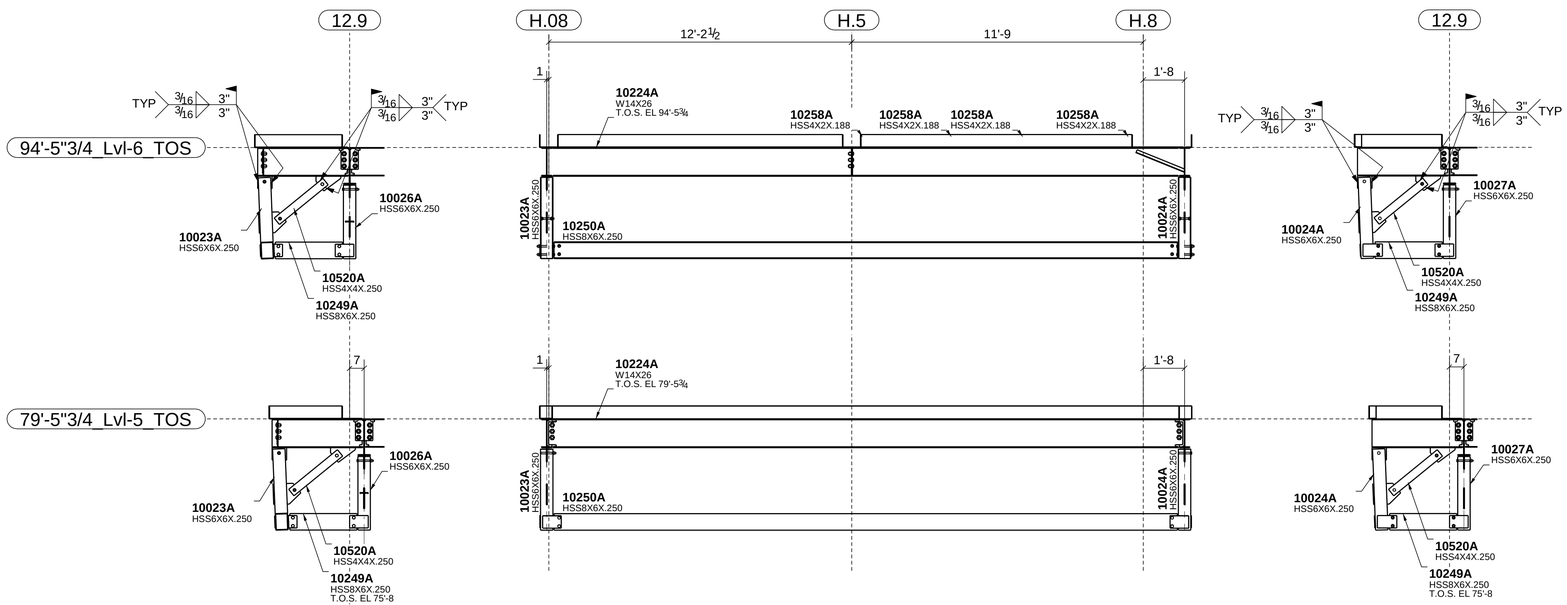
SECTION C - C
(REFER E10001 & E10002)



G - G



DETAIL 1



SECTION E - E
(REFER E10001 & E10002)

SECTION D - D
(REFER E10001 & E10002)

SECTION F - F
(REFER E10001 & E10002)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/01/2010	DAMAGE BOLT THREAD NOTE ADDED TO DETAIL 1 (BDS X1.060)
1	09/08/2010	HSS GIRTS ADDED (BDS X1.059)
0	01/15/2010	ISSUED FOR CONSTRUCTION
A	11/30/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5 & S2.6

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 10 - SECTIONS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

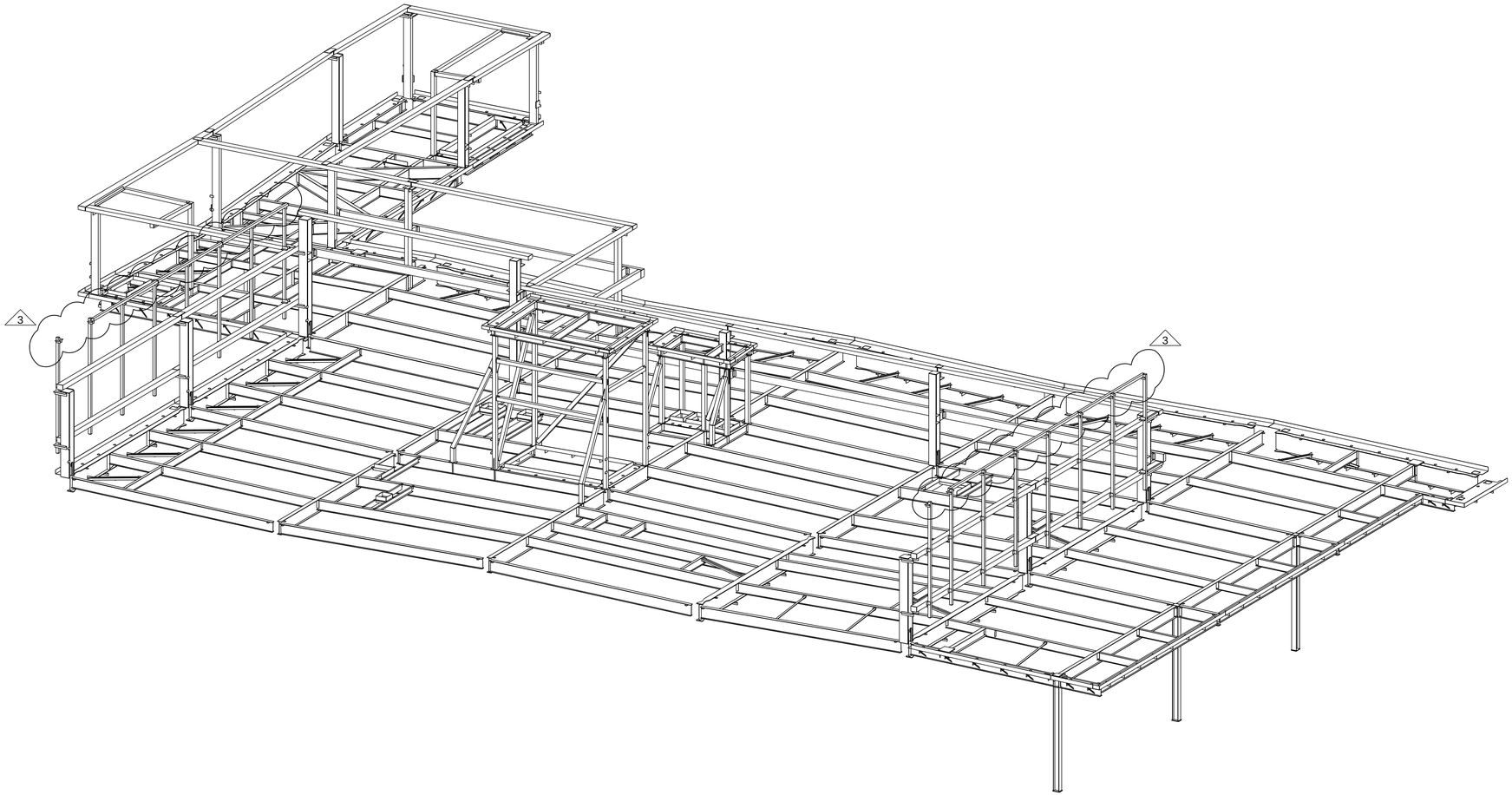
M	C	H	SEQ	REV
	X		10	2

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E10003

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 07:36:37am 10/01/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 11 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	11/01/2010	VIEW UPDATED PER MCC CON .RFI # 2391 (BDS X3.057)
2	03/10/2010	VIEW UPDATED (BDS X3.028)
1	02/26/2010	VIEW UPDATED
0	01/28/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5

MADE BY: SC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 11 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		11	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E11000

MODEL NAME: 2302_001_131 PLOTTED: 11:13:34am 11/01/2010

JOB NORTH

"As Built Schuff Steel" 05-10-12

SEE ENLARGED PLAN 1

11

SEE DOGHOUSE 1 ON DWG E11002

SEE DOGHOUSE 2 ON DWG E11002

REFER DETAIL 14/E11

REFER DETAIL 14/E11

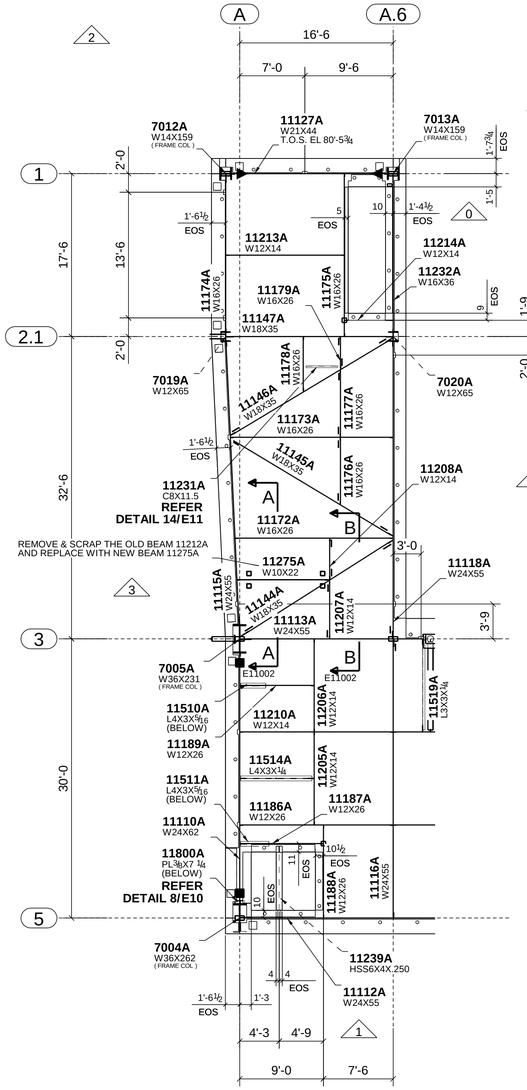
REFER DETAIL 14/E11

REFER DETAIL 14/E11

MATCHLINE REFER E12001

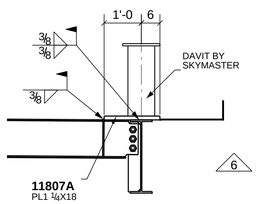
MATCHLINE REFER E9001

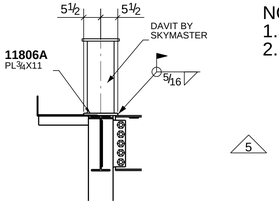
LEVEL 5 FRAMING PLAN - SEQ 11
T.O.S. VARIES



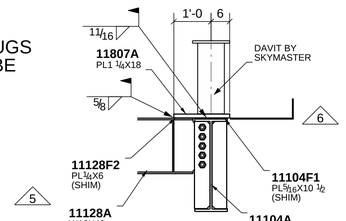
ENLARGED PLAN - 1

NOTE:
ERECT 11172A PRIOR TO 11145A.
ERECT 11173A PRIOR TO 11146A.





NOTES:
1. SEAL ALL GALVANIZED STEEL VENT HOLES WITH ALUMINUM PLUGS
2. ALL GALVANIZED SCREEN WALL STEEL ABOVE ROOF SLAB TO BE CONNECTED WITH GALVANIZED BOLTS



ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

7	07/27/2010	BEAMS & BRACING ADDED (BDS X1.053)
6	07/27/2010	FIELD WELD REMOVED FROM DAVIT BASE PLATE DETAILS (BDS X1.054)
5	06/28/2010	BEAMS AND DAVIT BASE PLATES ADDED (BDS X1.043)
4	03/16/2010	FRAME OPENING SIZE CHANGED (BDS X3.035)
3	03/15/2010	BEAM SIZE CHANGED (BDS X1.035)
2	02/26/2010	NOTES DELETED
1	02/10/2010	BEAM LOCATION/EOS CHANGED (BDS X3.011)
0	01/28/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

MADE BY: SC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 11 - LEVEL 5 PLAN

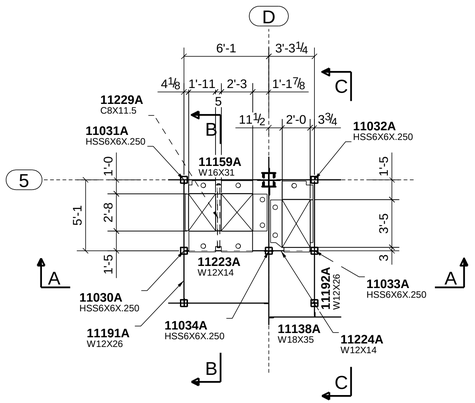
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

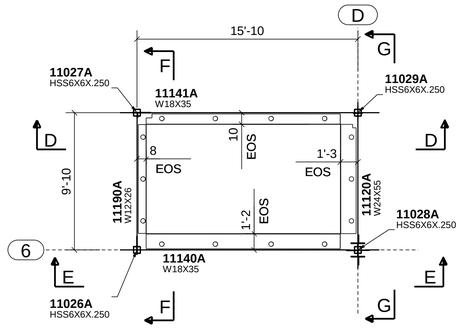
M	C	H	SEQ	REV
	X		11	7

JOB NUMBER 2802 | FAB SS | SHEET NUMBER E11001

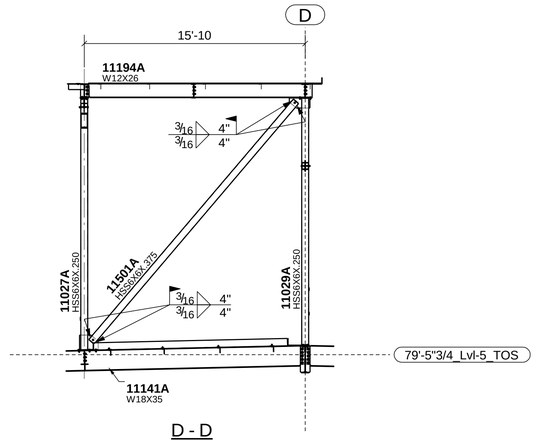
MODEL NAME: 2S52_001_131 PLOTTED: 11-13-16am 07/29/2010



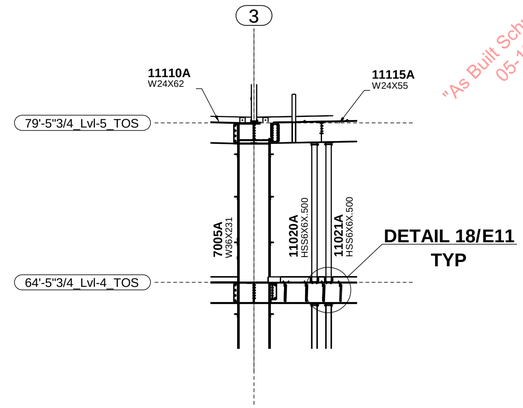
DOGHOUSE 1 - LEVEL 5 PLAN
(E11001)



DOGHOUSE 2 - LEVEL 5 PLAN
(E11001)

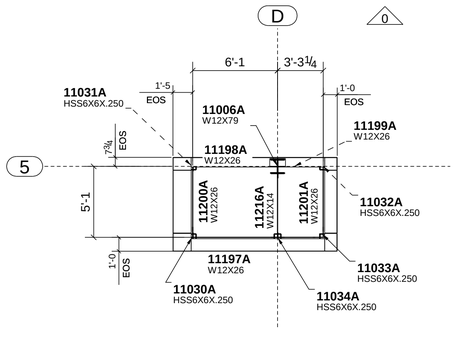


D - D

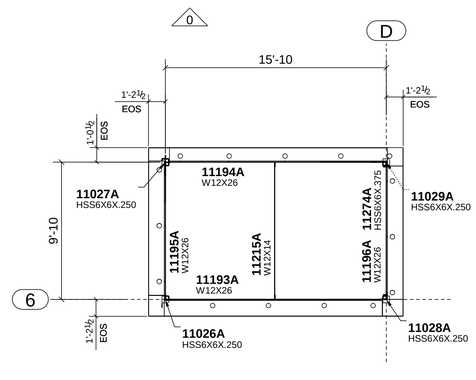


SECTION A - A
(E11001)

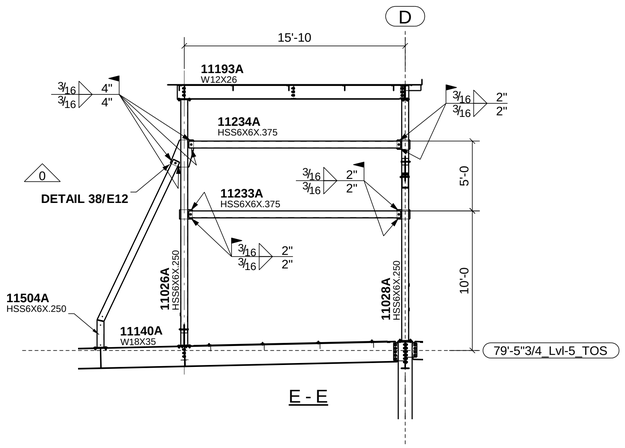
"As Built Schuff Steel"
05-10-12



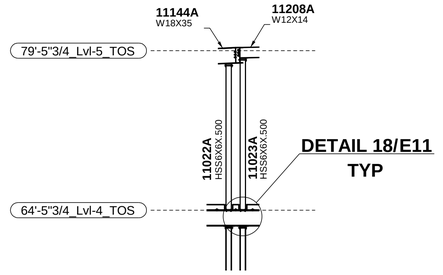
DOGHOUSE 1 - ROOF PLAN



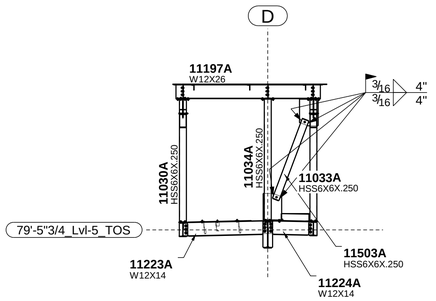
DOGHOUSE 2 - ROOF PLAN



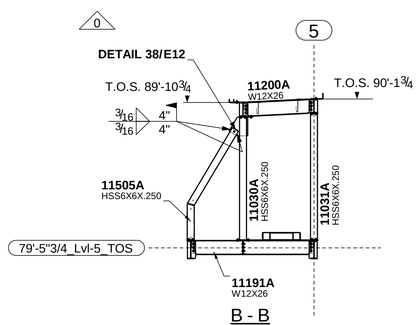
E - E



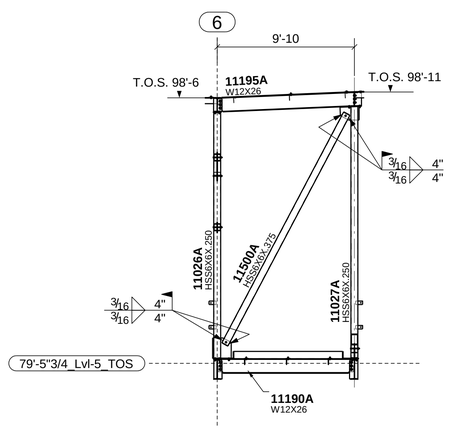
SECTION B - B
(E11001)



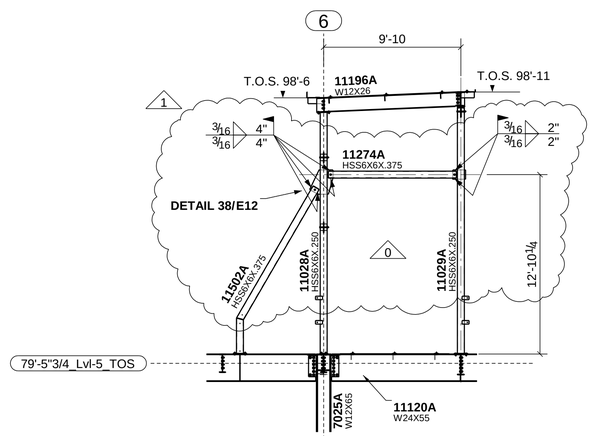
A - A



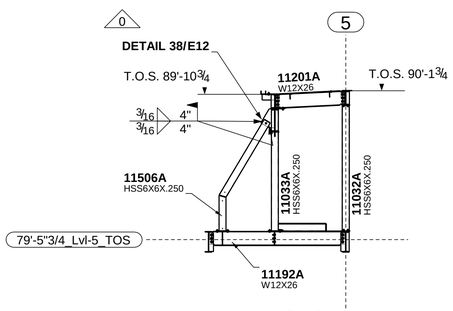
B - B



F - F



G - G



C - C

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	03/10/2010	BRACE REVISED & BEAM ADDED (BDS X3.028)
0	02/26/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

MADE BY: SC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 11 - DOGHOUSE 1 & 2 & SECTIONS

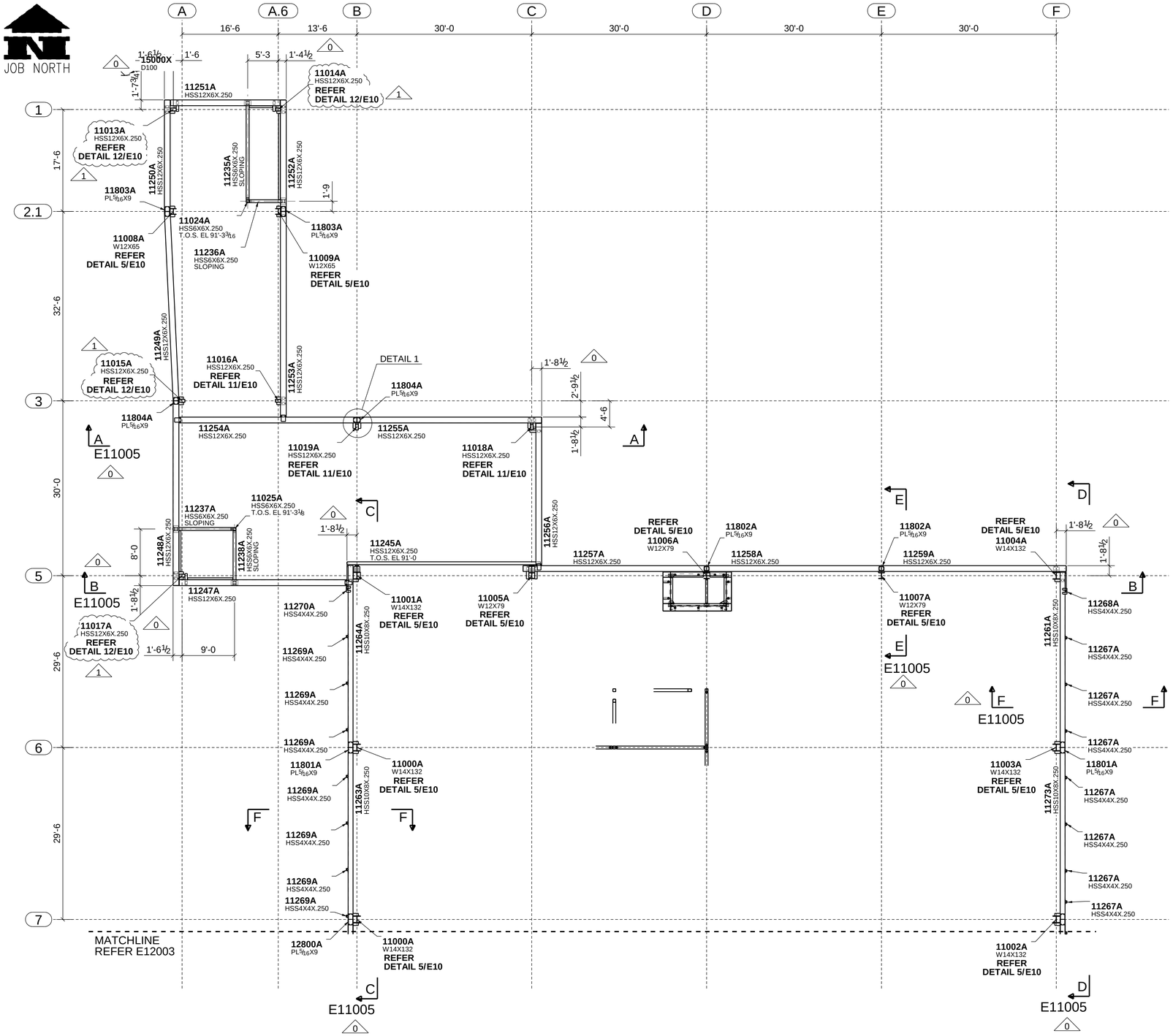
STRUCTURE: CHOC HOSPITAL

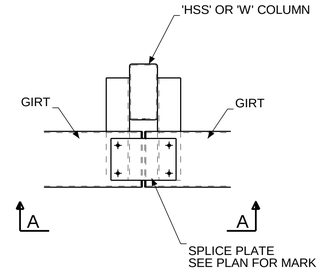
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		11	1

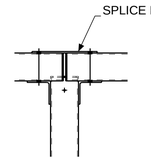
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E11002

MODEL NAME: 2352_001_131 PLOTTED: 03:51:18pm 03/10/2010





DETAIL 1
(TYPICAL GIRT SPLICE)



A - A

"As Built Schuff Steel"
05-10-12

ROOF PARAPET PLAN - SEQ 11

T.O.S. EL 92'-0" U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
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5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	06/15/2010	FIELD WELDS REVISED AT (4) DETAIL 12/E10 LOCATIONS (BDS X1.046)
0	02/26/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5

MADE BY: SC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 11 - ROOF PARAPET PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

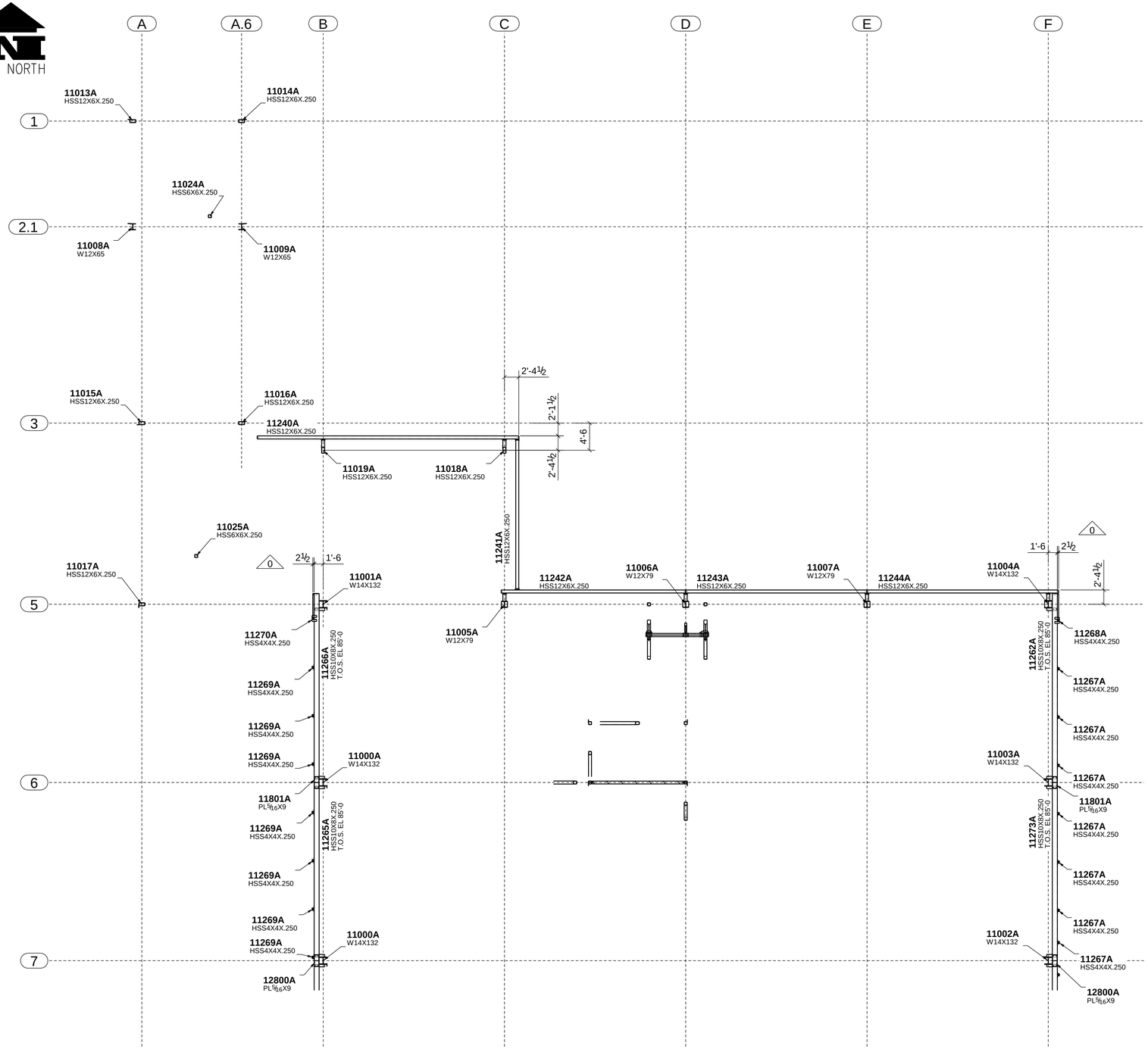
M	C	H	SEQ	REV
	X		11	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E11003

MODEL NAME: 2302_001_131 PLOTTED: 11:37:03am 06/15/2010

"As Built Schuff Steel"
05-10-12

JOB NORTH



PARAPET GIRT PLAN - SEQ 11

T.O.S. EL 86'-0" U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	02/26/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

MADE BY: SC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 11 - PARAPET GIRT PLAN

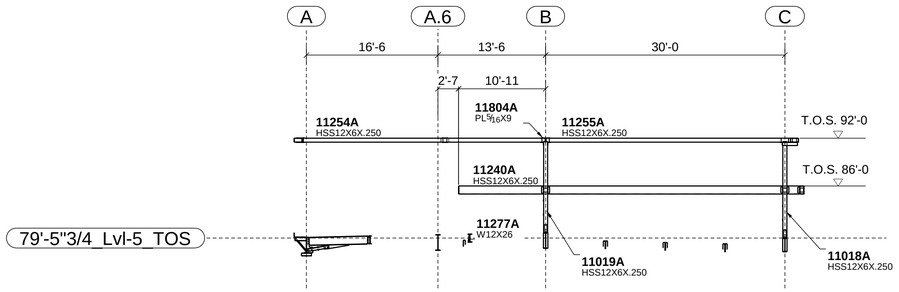
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

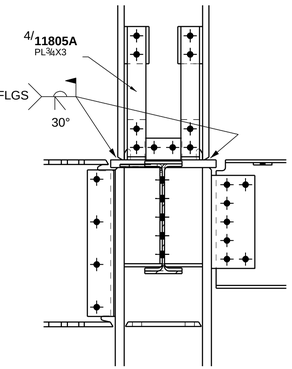
M	C	H	SEQ	REV
	X		11	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E11004

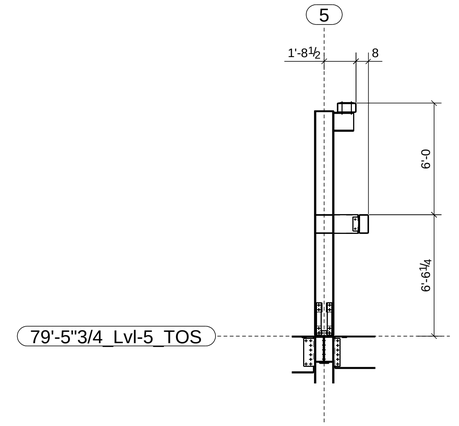
MODEL NAME: 2352_001_131 PLOTTED: 02:38:57pm 02/26/2010



SECTION A - A
E11003

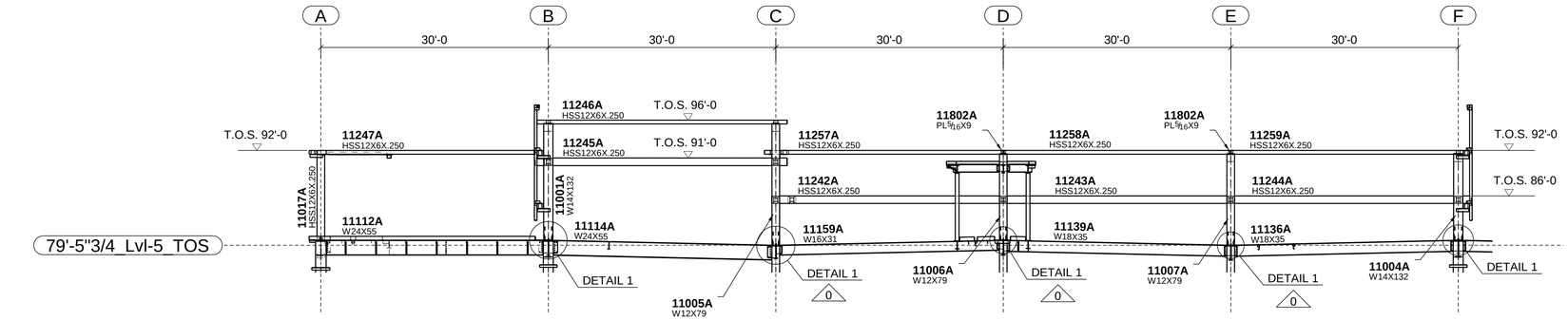


DETAIL 1 ◬0

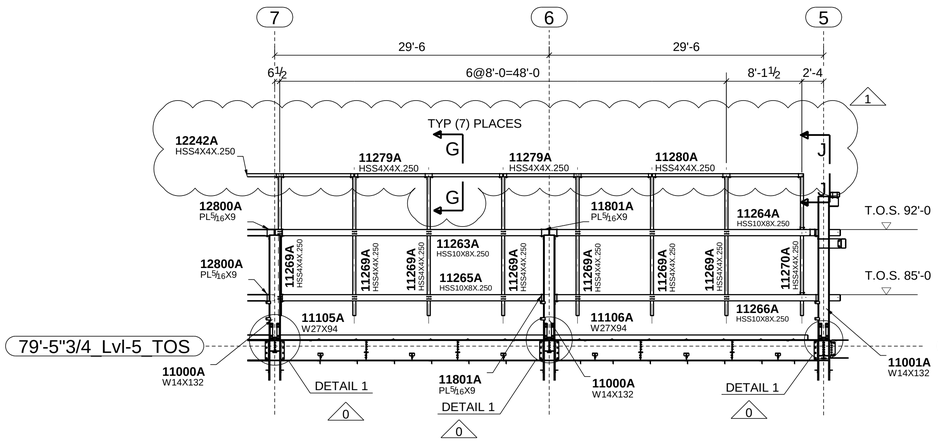


SECTION E - E
E11003

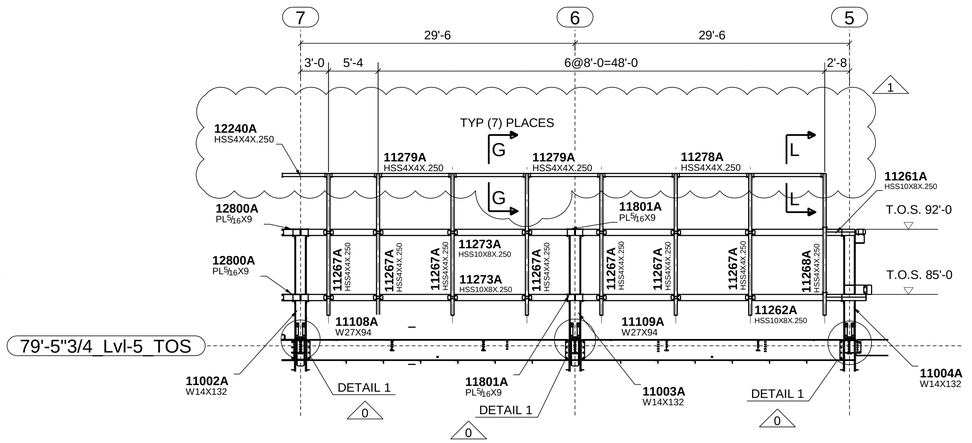
"As Built Schuff Steel" 05-10-12



SECTION B - B
E11003

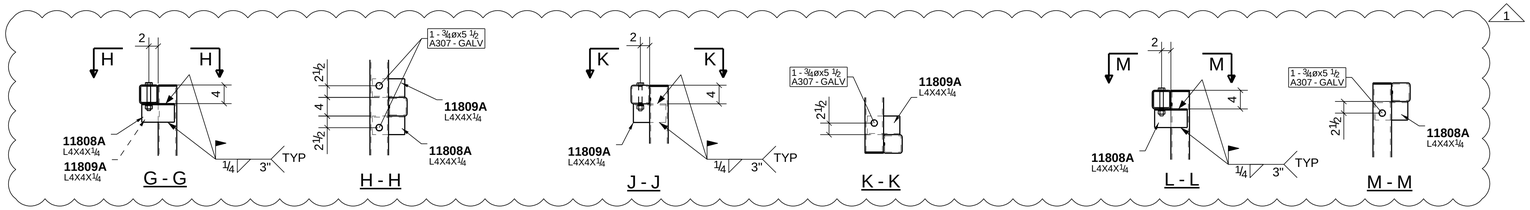


SECTION C - C
E11003



SECTION D - D
E11003

SECTION F - F
E11003



ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	11/01/2010	HSS MEMBERS ADDED PER MCC CON .RFI # 2391 (BDS X3.057)
0	02/26/2010	ISSUED FOR CONSTRUCTION

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5

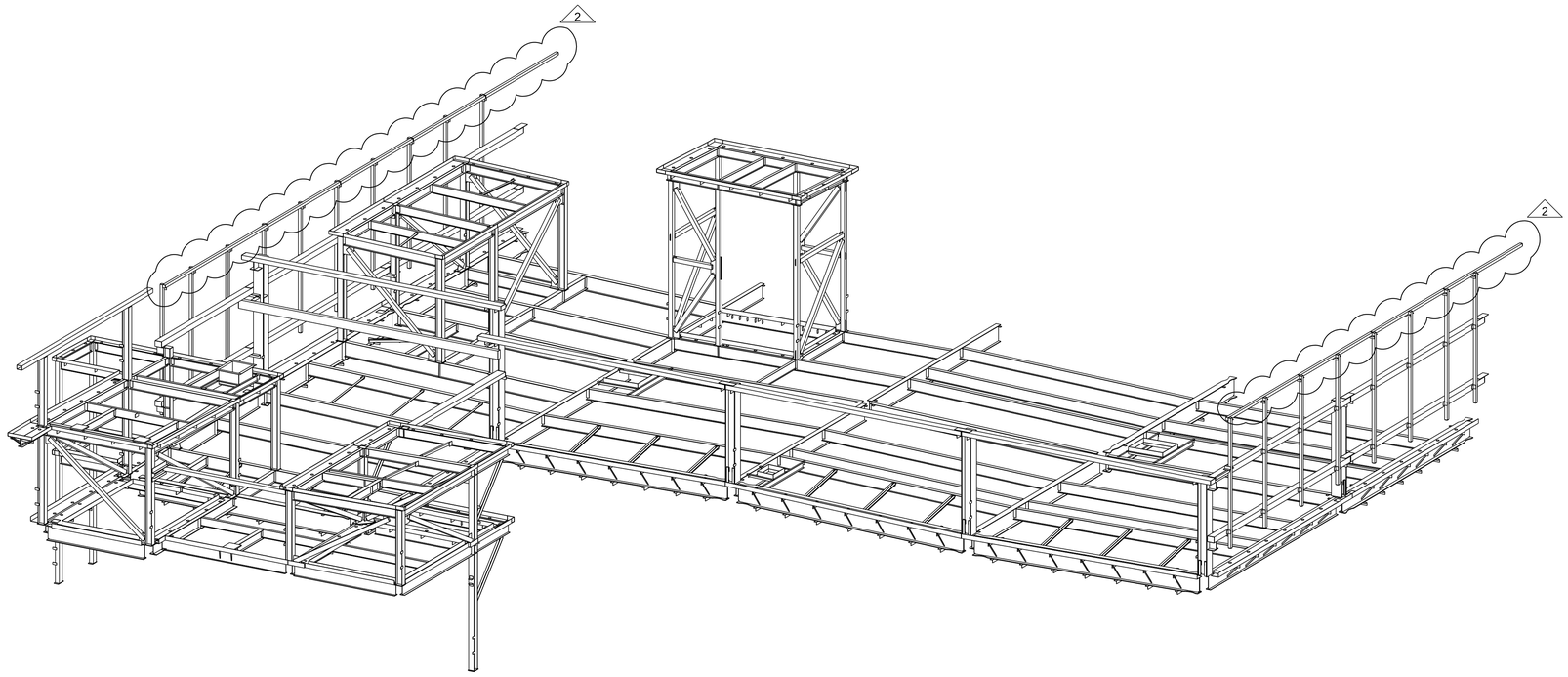
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
SC	WJ	08/25/2009		X		11	1

DETAILS OF: SEQUENCE 11 - PARAPET SECTIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E11005

MODEL NAME: 2352_001_131 PLOTTED: 11:13:29am 11/01/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 12 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	11/01/2010	VIEW UPDATED PER MCC CON .RFI # 2391 (BDS X3.057)
1	02/26/2010	VIEW UPDATED
0	01/28/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
CC	WJ	08/25/2009		X		12	2

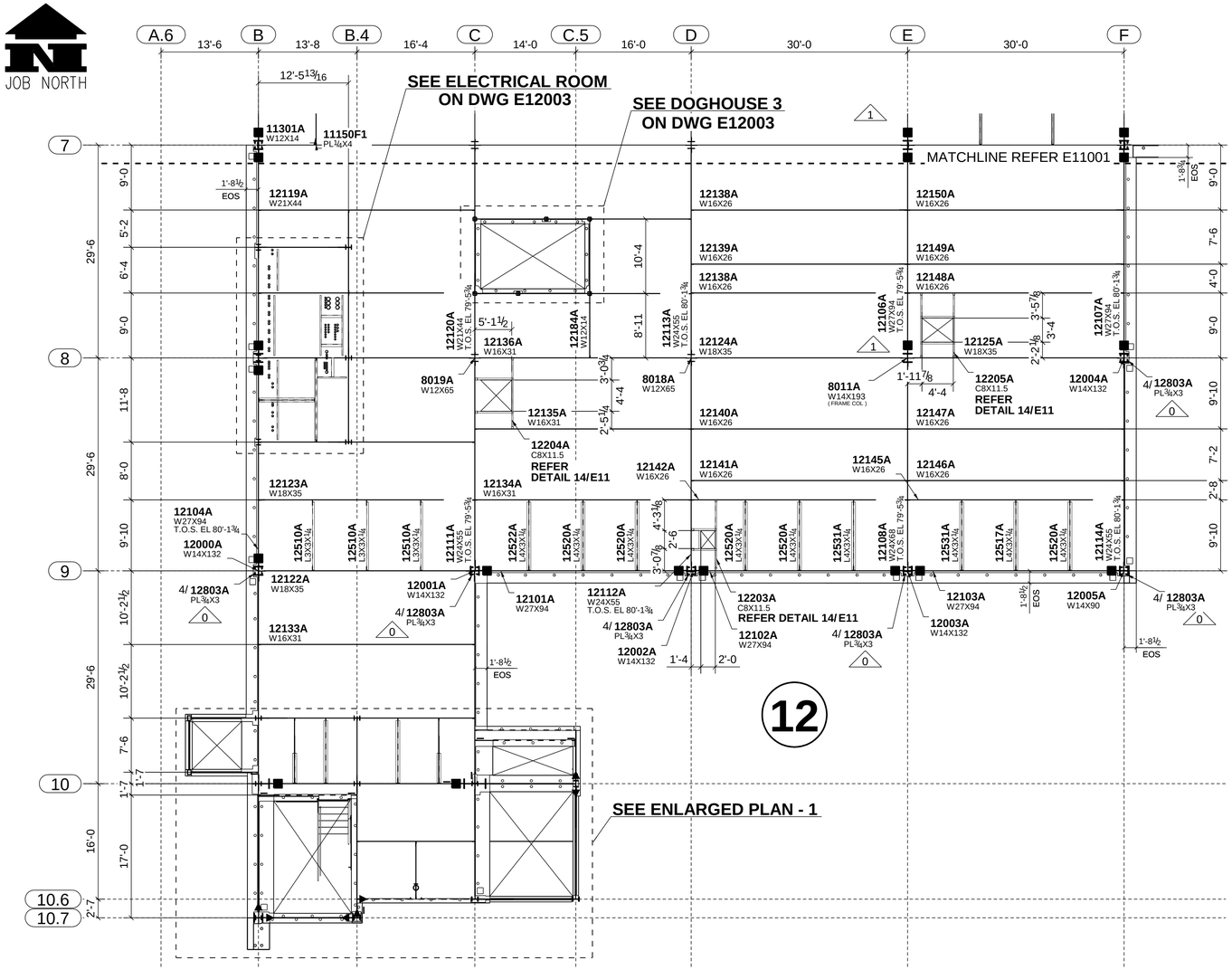
DETAILS OF: SEQUENCE 12 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E12000

MODEL NAME: 2302_001_131 PLOTTED: 11:13:21am 11/01/2010

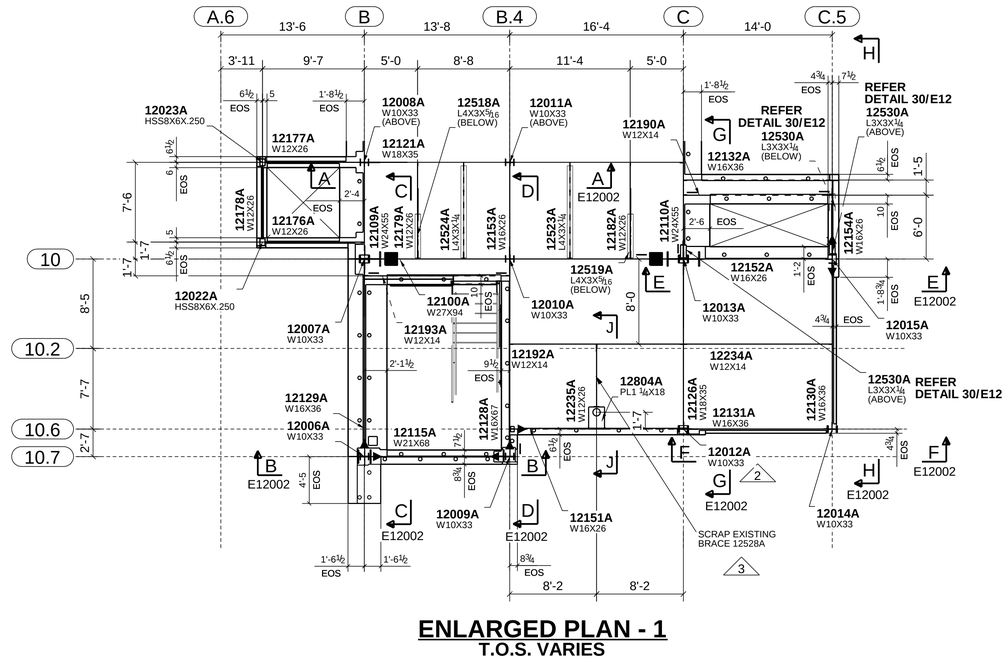
"As Built Schuff Steel"
05-10-12

JOB NORTH

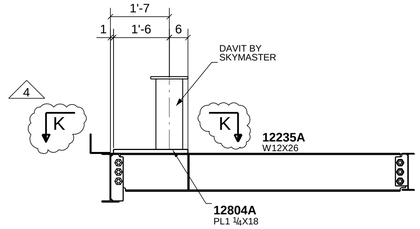


LEVEL 5 FRAMING PLAN - SEQ 12
T.O.S. VARIES

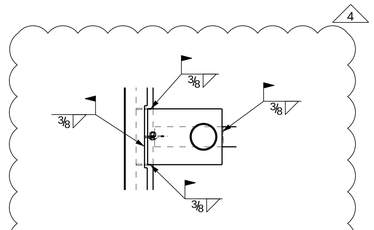
NOTE:
1. SEAL ALL GALVANIZED STEEL VENT HOLES WITH ALUMINIUM PLUGS
2. ALL GALVANIZED SCREEN WALL STEEL ABOVE ROOF SLAB TO BE CONNECTED WITH GALVANIZED BOLTS



ENLARGED PLAN - 1
T.O.S. VARIES



J - J



K - K

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	07/27/2010	SECTION K-K ADDED TO CLARIFY DAVIT BASE PLATE FIELD WELDING (BDS X1.054)
3	06/28/2010	BEAM AND DAVIT BASE PLATE ADDED (BDS X1.043)
2	06/15/2010	FLOOR OPENING REMOVED AND BEAM MK 12234A ADDED (BDS X1.047)
1	04/01/2010	SFRS SYMBOL ADDED (SHOP QUERY)
0	01/28/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

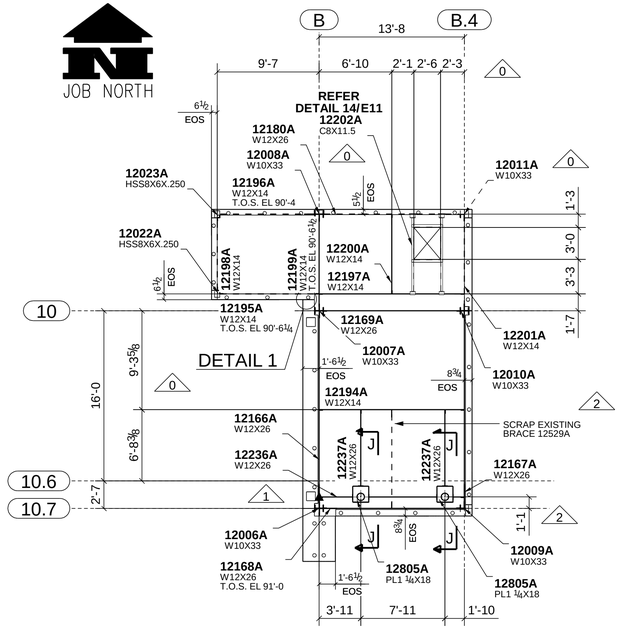
DESIGN DRAWING REFERENCE: S2.5
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 12 - LEVEL 5 PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

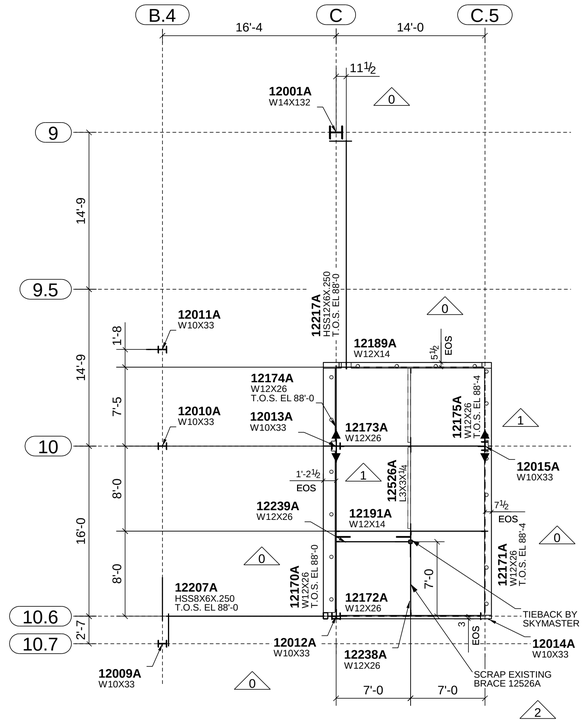
M	C	H	SEQ	REV
	X		12	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E12001

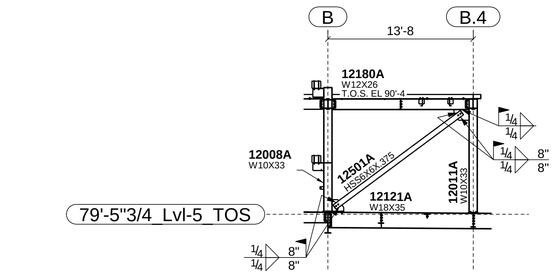
MODEL NAME: 2352_001_131 PLOTTED: 10:11:21am 07/28/2010



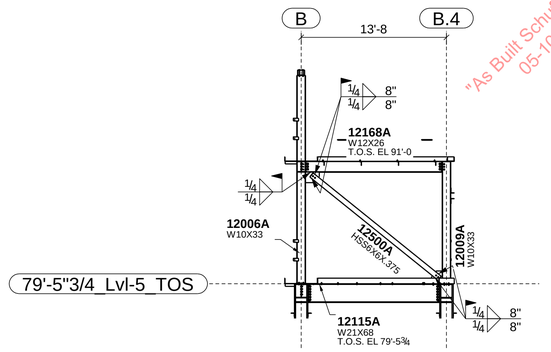
HIGH ROOF FRAMING PLAN @ STAIR # 3
T.O.S. VARIES



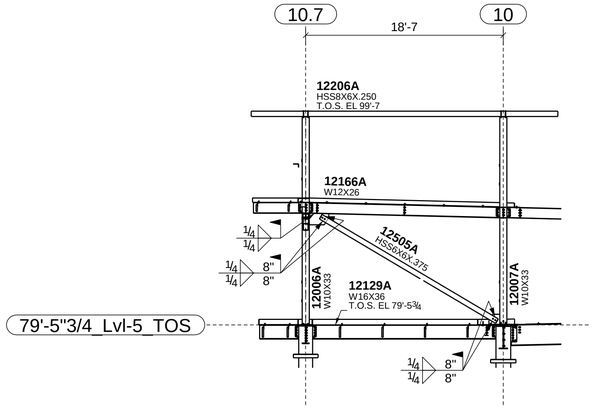
HIGH ROOF FRAMING PLAN
T.O.S. VARIES



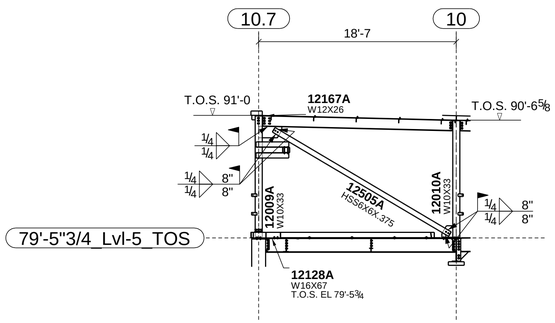
SECTION A - A
(E12001)



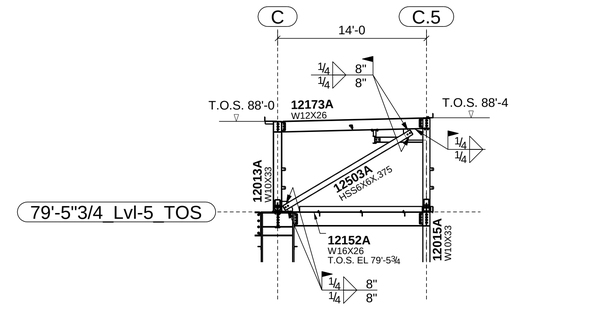
SECTION B - B
(E12001)



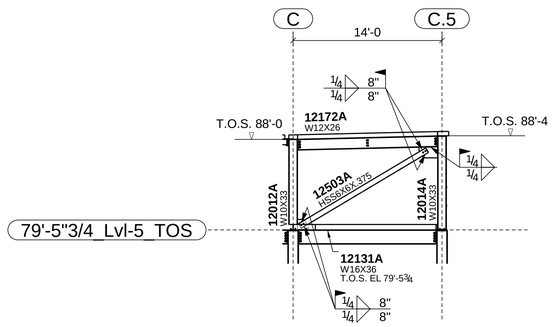
SECTION C - C
(E12001)



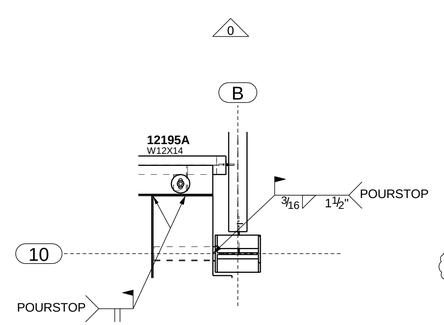
SECTION D - D
(E12001)



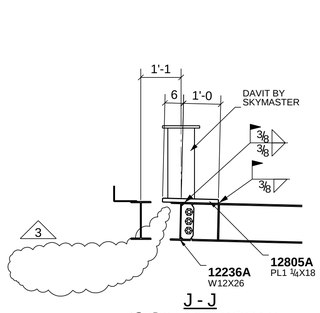
SECTION E - E
(E12001)

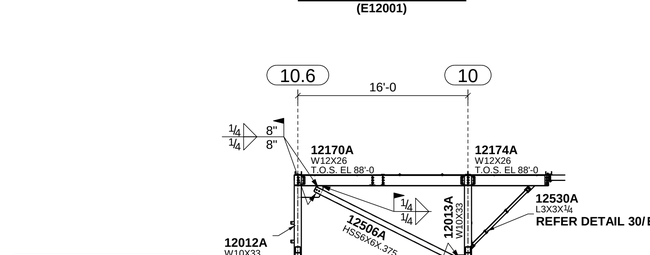


SECTION F - F
(E12001)

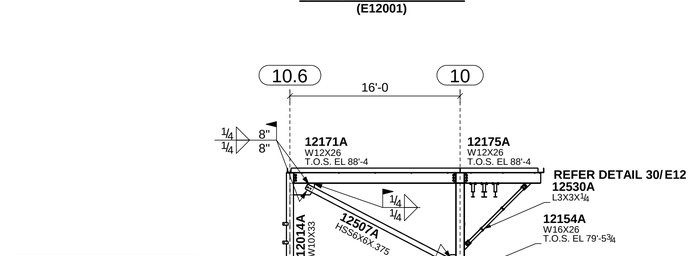


DETAIL 1





SECTION G - G
(E12001)



SECTION H - H
(E12001)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	07/27/2010	FIELD WELD REMOVED FROM DAVIT BASE PLATE DETAIL (BDS X1.054)
2	06/28/2010	BEAMS AND DAVIT BASE PLATES ADDED (BDS X1.043)
1	04/22/2010	MOMENT SYMBOLS ADDED
0	02/26/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

SS 420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

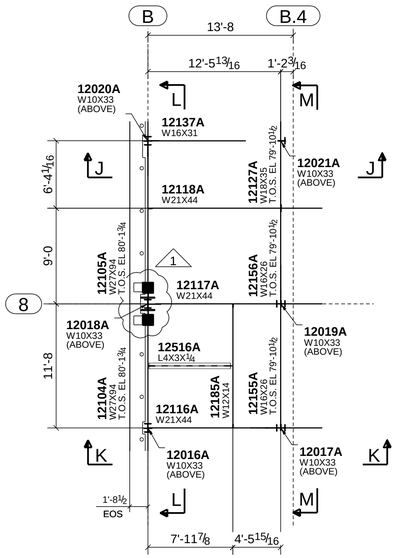
DESIGN DRAWING REFERENCE: S2.5

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
CC	WJ	08/25/2009		X		12	3

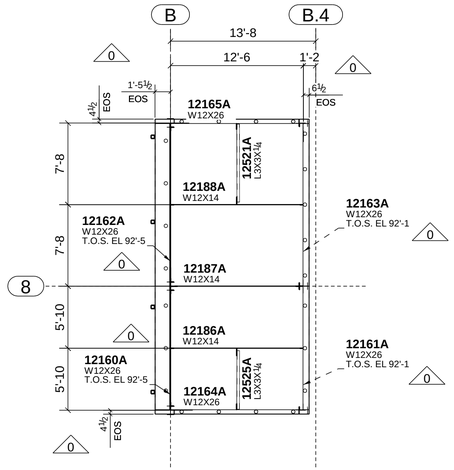
DETAILS OF: SEQUENCE 12 - HIGH ROOF PLANS & SECTIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E12002

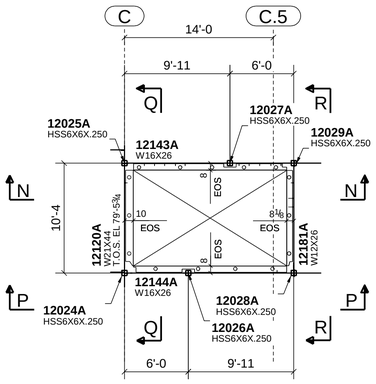
"As Built Schuff Steel" 05-10-12



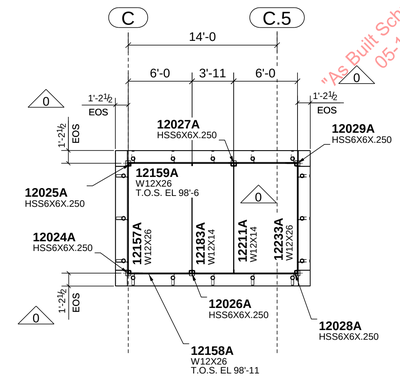
ELECTRICAL ROOM - LEVEL 5 PLAN
(E12001)



ELECTRICAL ROOM - ROOF PLAN

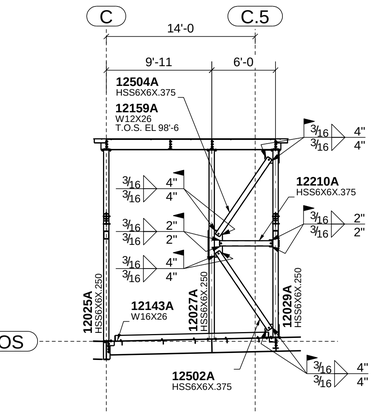


DOGHOUSE 3 - LEVEL 5 PLAN
(E12001)

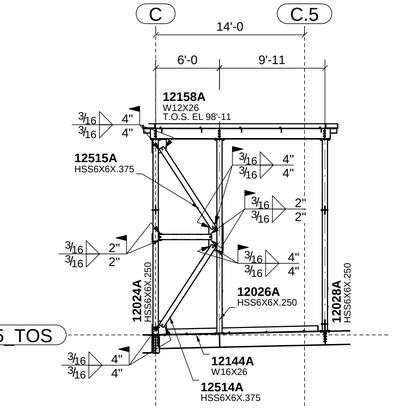


"As Built Schuff Steel" 05-10-12

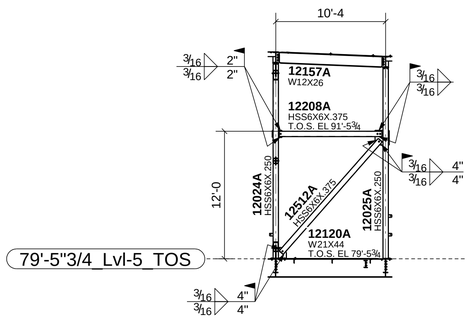
DOGHOUSE 3 - ROOF PLAN



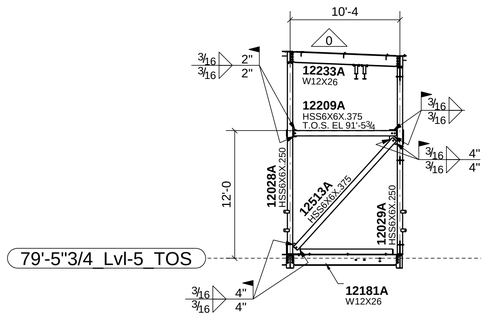
SECTION N - N



SECTION P - P



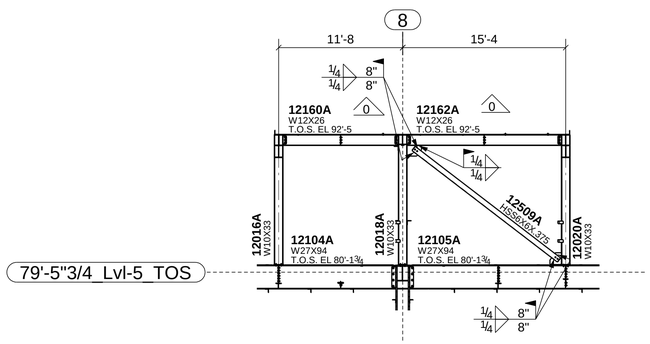
SECTION Q - Q



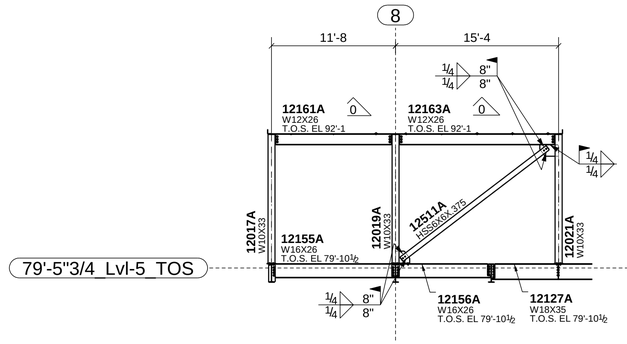
SECTION R - R

SECTION J - J

SECTION K - K



SECTION L - L



SECTION M - M

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	04/22/2010	SFRS FRAME SYMBOLS ADDED
0	02/26/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQ 12 - ELECT ROOM, DOGHOUSE 3 & SECTIONS

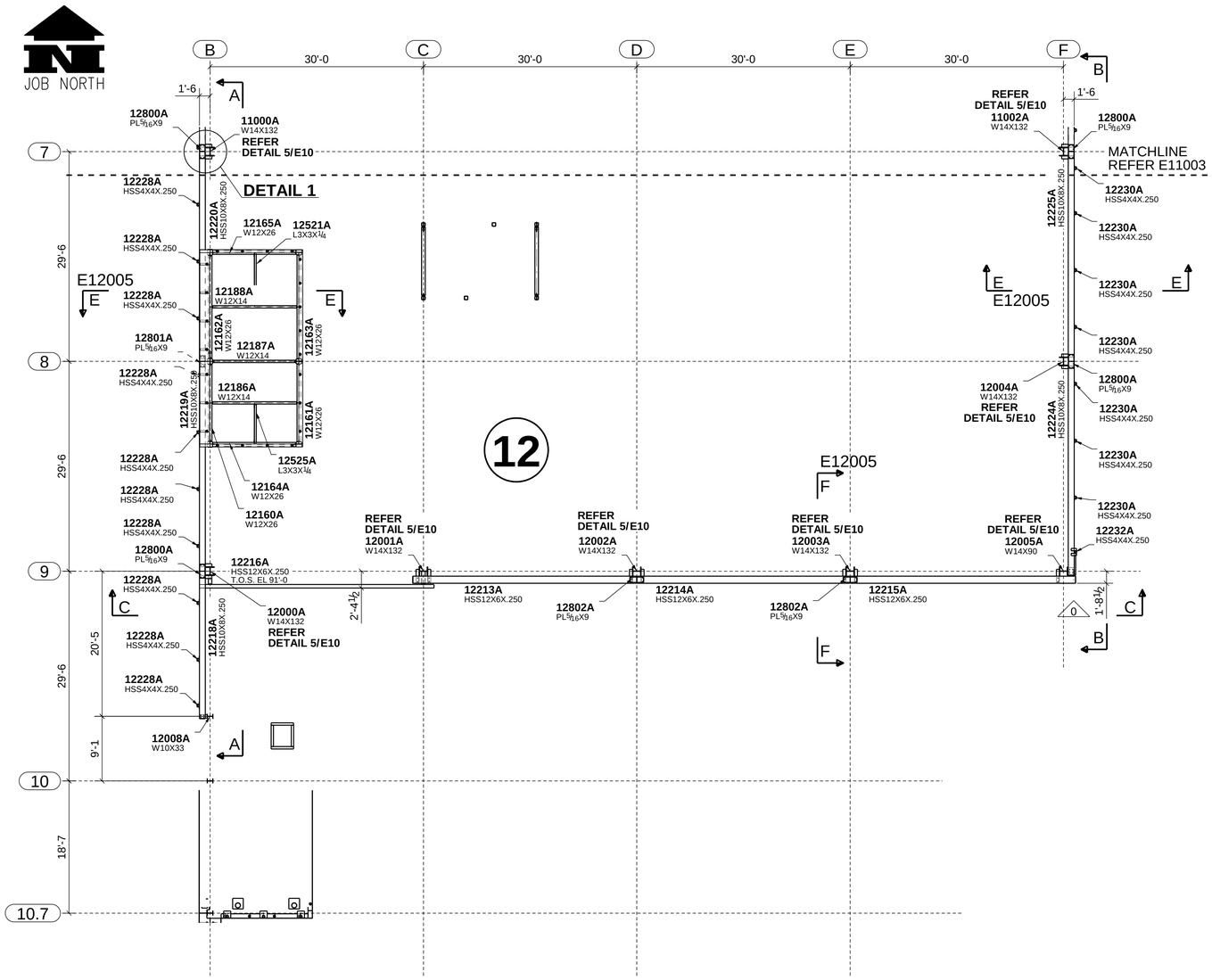
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		12	1

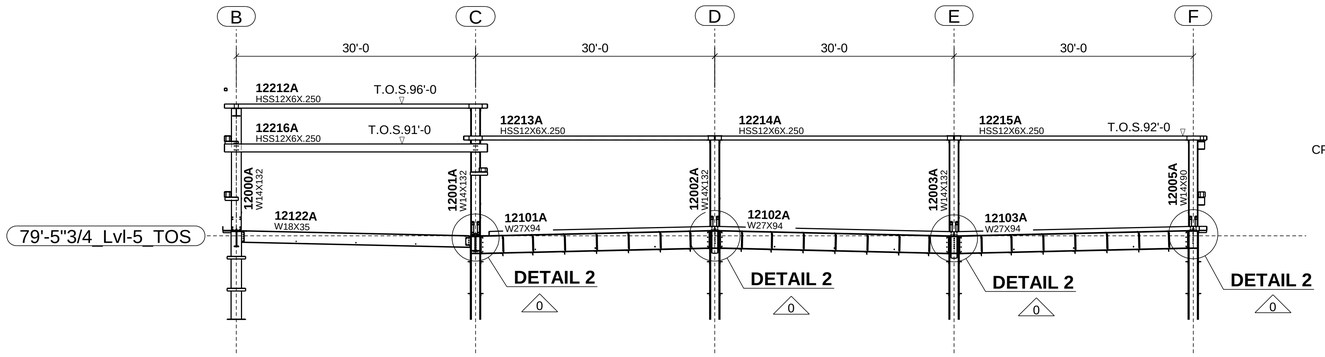
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E12003

MODEL NAME: 2352_001_131 PLOTTED: 03:42:04pm 04/22/2010

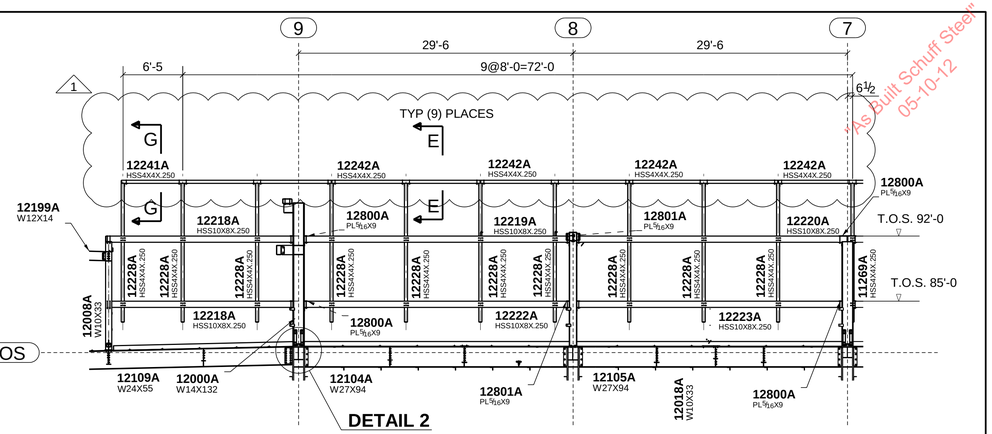


ROOF PARAPET PLAN - SEQ 12

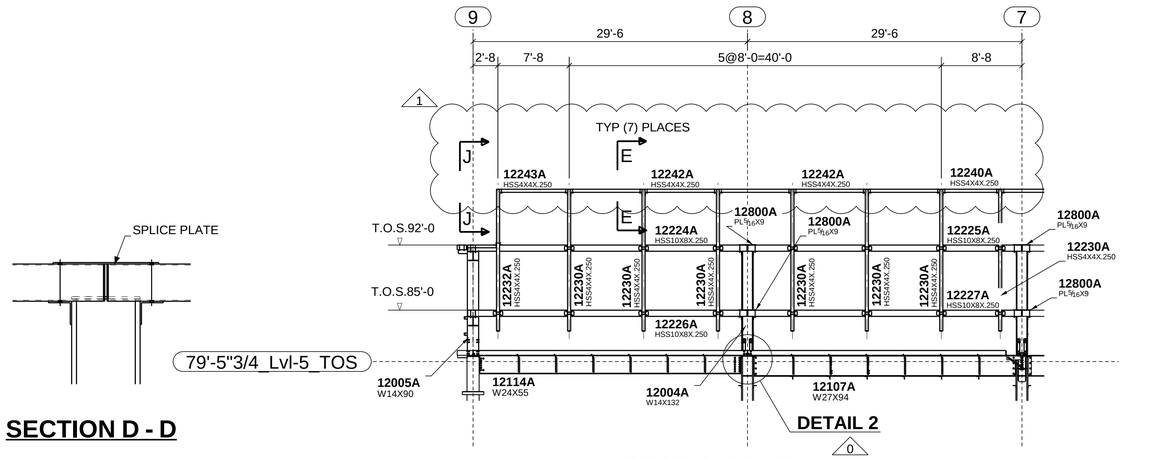
T.O.S. EL 92'-0" U.N.



SECTION C - C

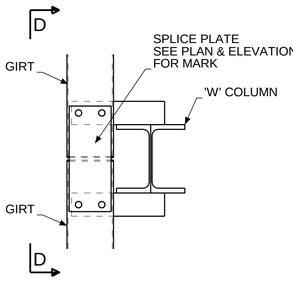


SECTION A - A



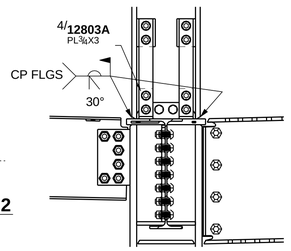
SECTION B - B

SECTION D - D



DETAIL 1

(TYPICAL GIRT SPLICE)



DETAIL 2

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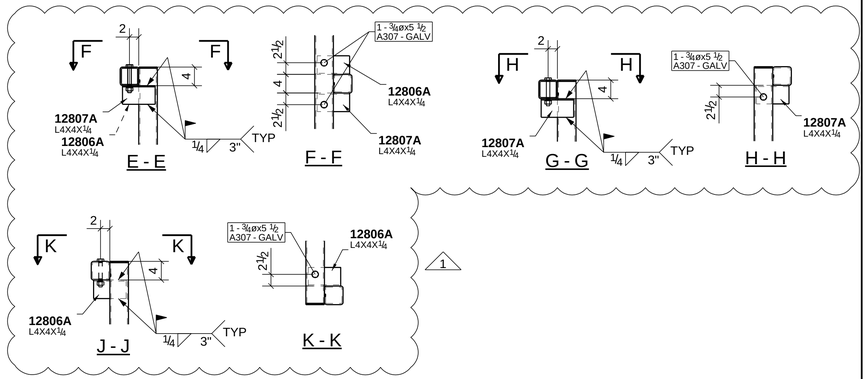

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
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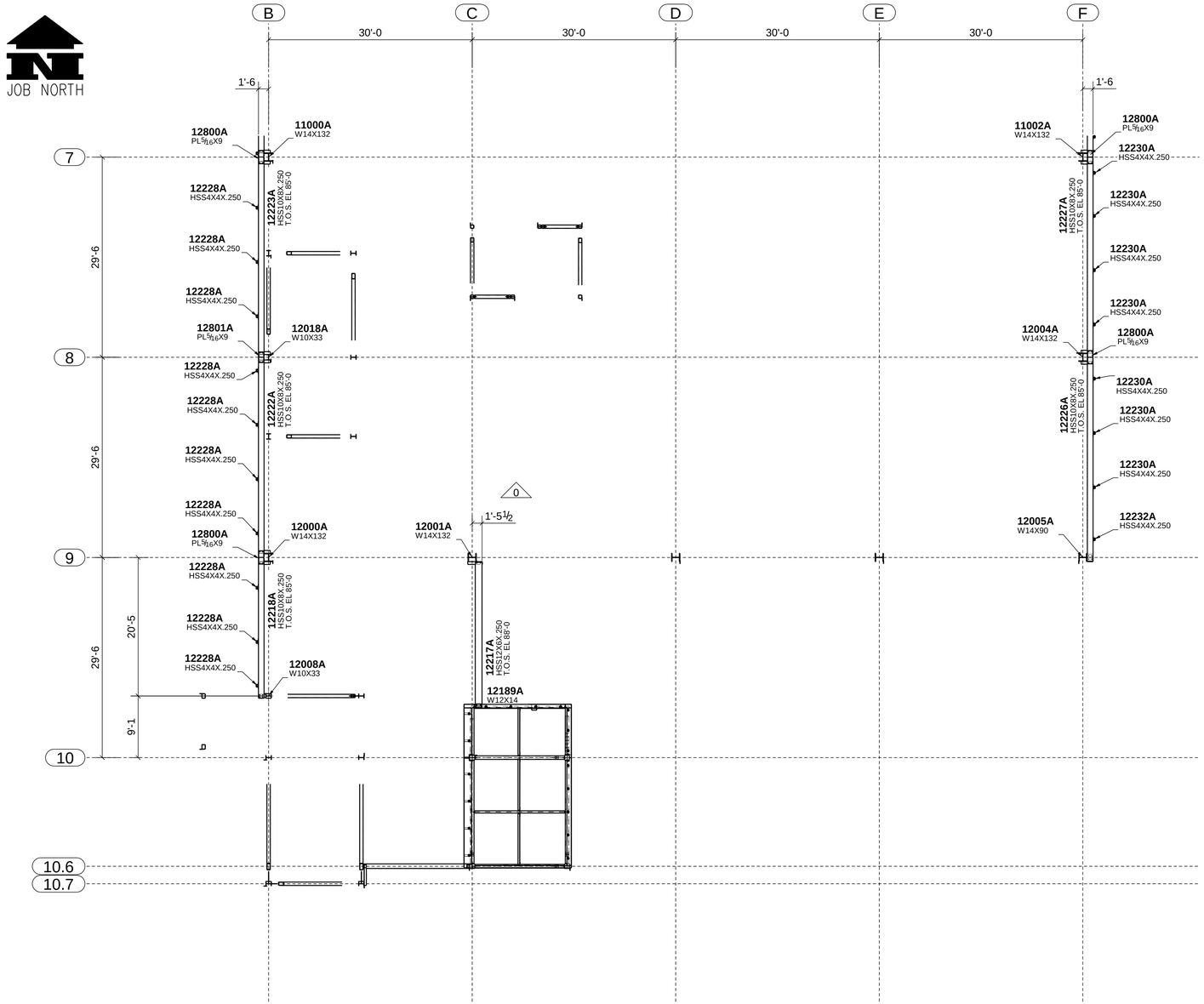
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	11/01/2010	HSS MEMBERS ADDED PER MCC CON .RFI # 2391 (BDS X3.057)
0	02/26/2010	ISSUED FOR CONSTRUCTION
A	12/07/2009	ISSUED FOR APPROVAL

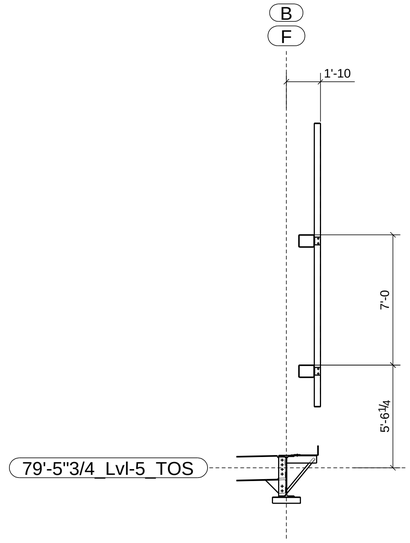
SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5						
MADE BY: CC	CHECKED BY: WJ	DATE: 08/25/2009	M	C	H	SEQ / REV
DETAILS OF: SEQUENCE 12- ROOF PARAPET PLAN & SECTIONS						12 / 1
STRUCTURE: CHOC HOSPITAL						
LOCATION: TOWER II						
JOB NUMBER 2802	FAB SS	SHEET NUMBER E12004				

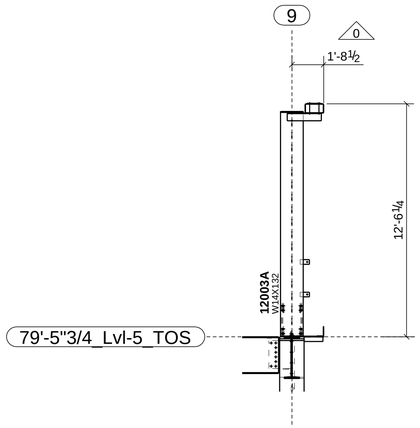
MODEL NAME: 2302_001_131 PLOTTED: 11:13:16am 11/01/2010



PARAPET GIRT PLAN - SEQ 12
T.O.S. EL 86'-0" U.N.



SECTION E - E
E12004



SECTION F - F
E12004

"As Built Schuff Steel"
05-10-12

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	02/26/2010	ISSUED FOR CONSTRUCTION			

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

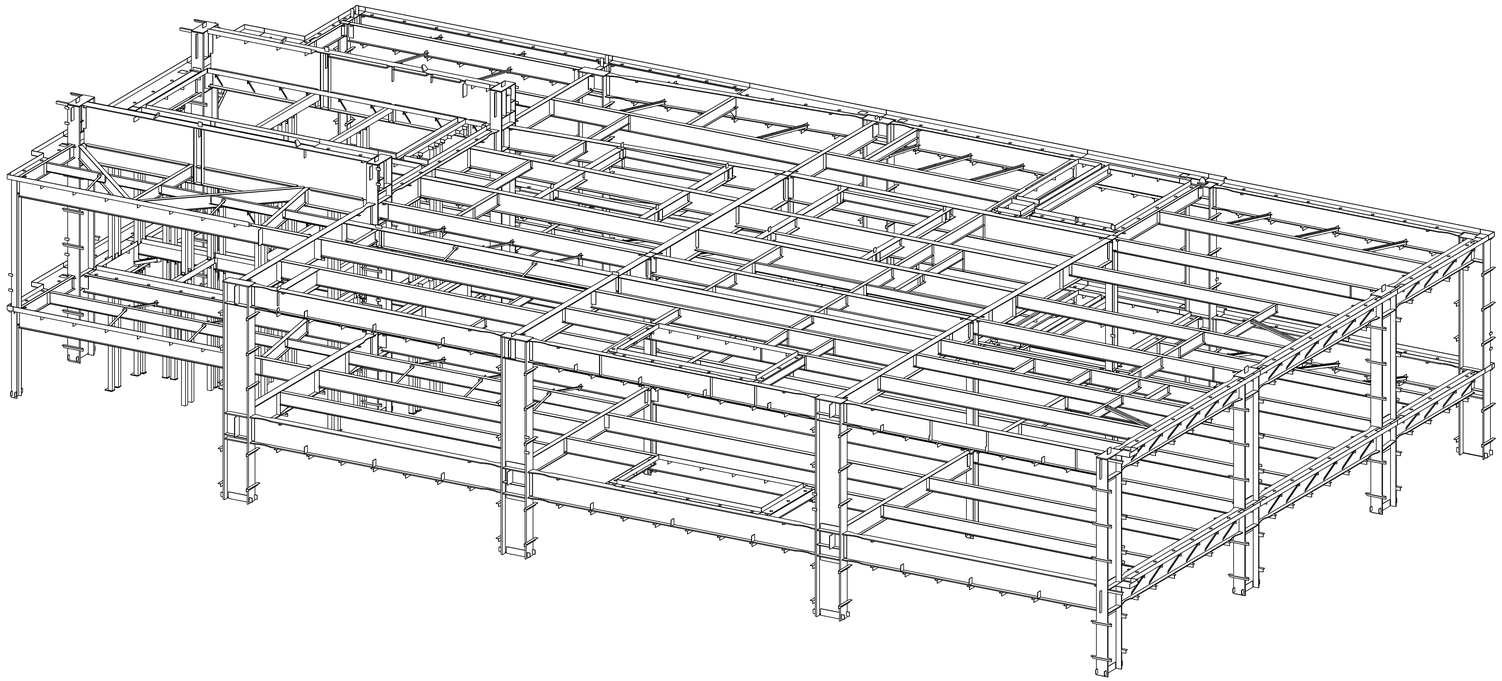
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
CC	WJ	08/25/2009		X		12	0

DETAILS OF: SEQUENCE 12 - PARAPET GIRT PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E12005

MODEL NAME: 2552_001_131 PLOTTED: 03:33:56pm 02/26/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 13 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	02/04/2010	ISSUED FOR CONSTRUCTION
A	12/14/2009	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: 2.7

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 13 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		13	0

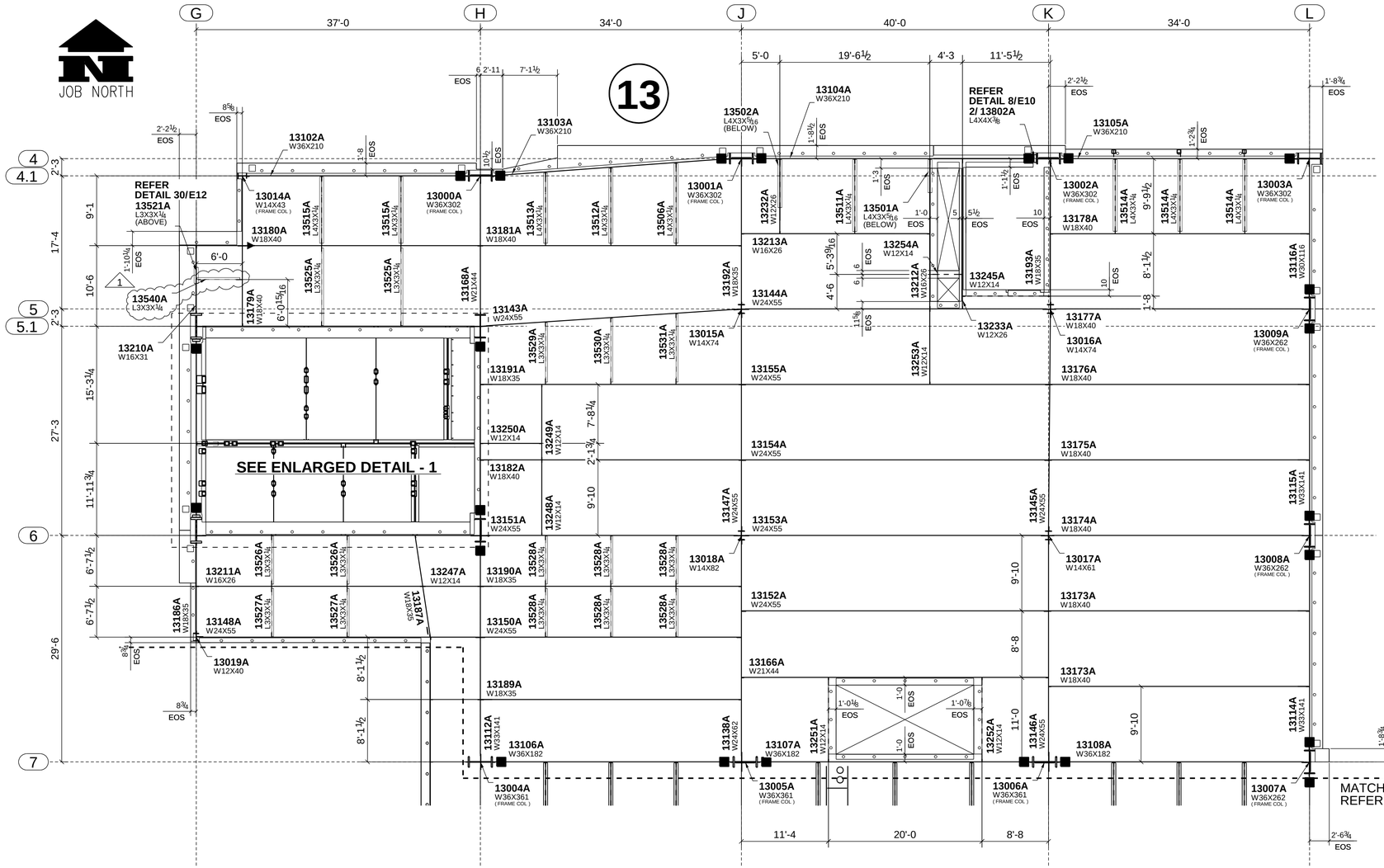
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E13000

MODEL NAME: 2302_001_131 PLOTTED: 03:33:32pm 02/04/2010

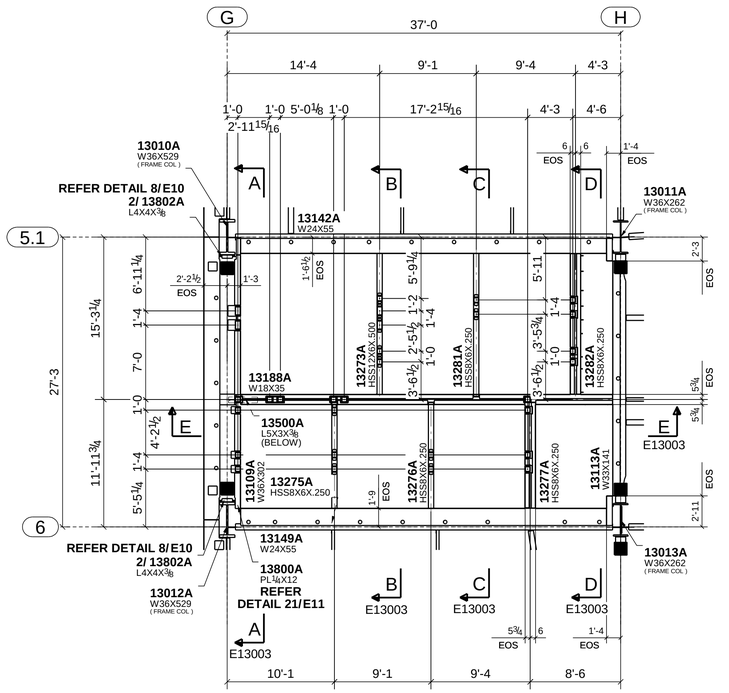
"As Built Schuff Steel"
05-10-12

JOB NORTH

13



LEVEL 7 FRAMING PLAN - SEQ 13
T.O.S. EL 109'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 109'-5¾ U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	07/27/2010	BRACE ADDED (BDS X1.053)
0	02/04/2010	ISSUED FOR CONSTRUCTION
A	12/14/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.7

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 13 - LEVEL 7 PLAN

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

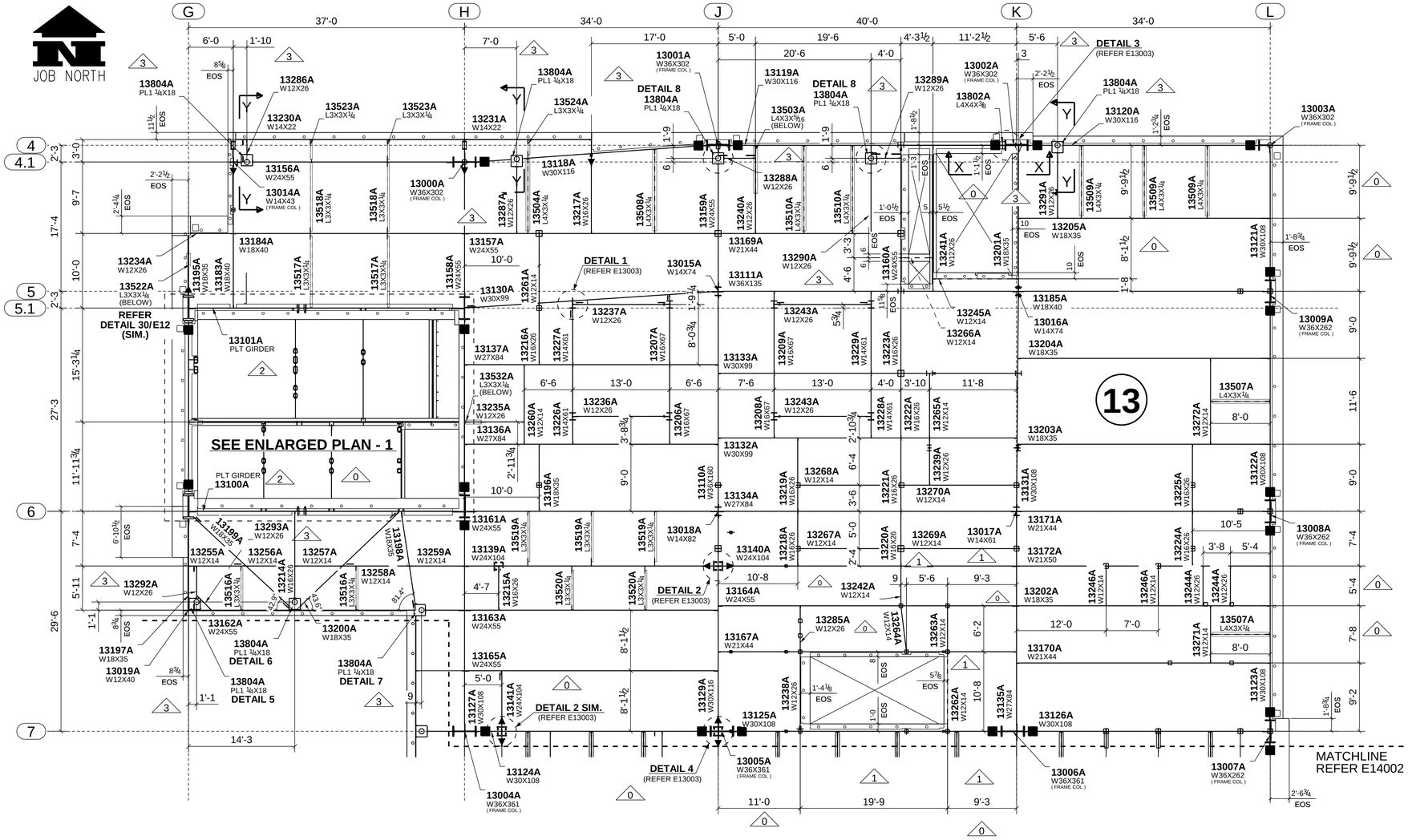
M	C	H	SEQ	REV
	X		13	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E13001

MODEL NAME: 2302_001_131 PLOTTED: 11:13:29am 07/29/2010

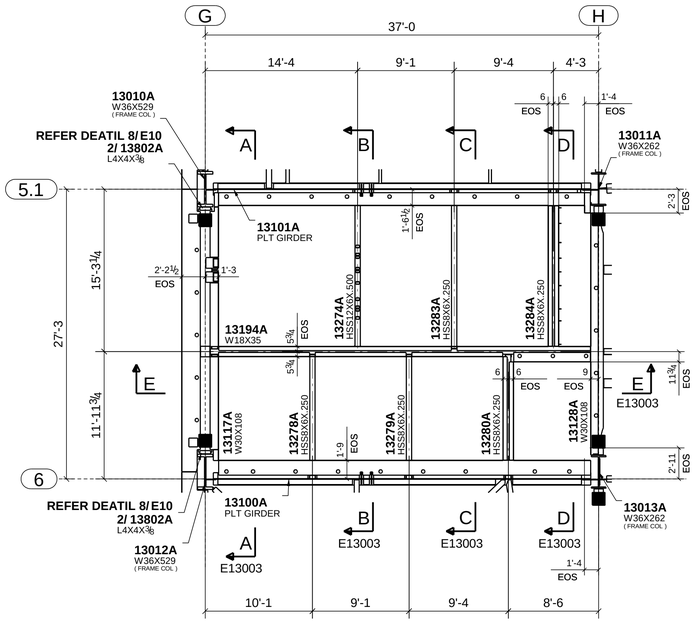
JOB NORTH

"As Built Schuff Steel" 05-10-12



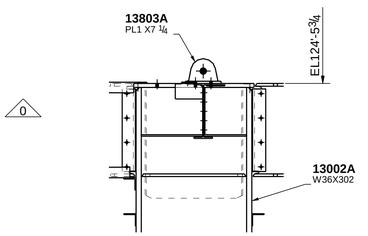
ROOF FRAMING PLAN - SEQ 13

T.O.S. EL 124'-5¾ U.N.



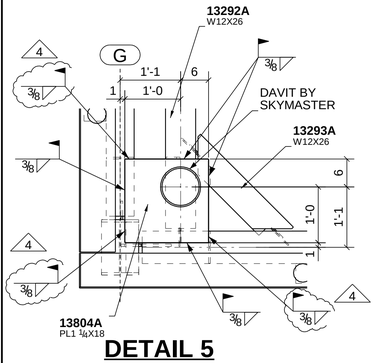
ENLARGED PLAN - 1

T.O.S. EL 124'-5¾ U.N.

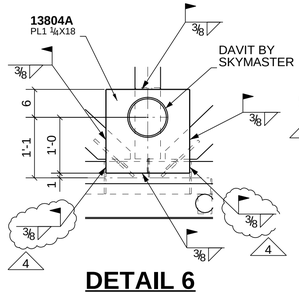


X - X

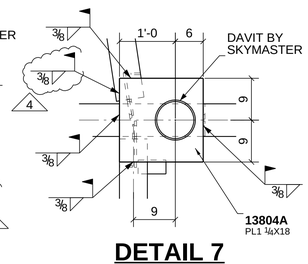
NOTE: LIFTING LUG TO BE REMOVED AFTER USE



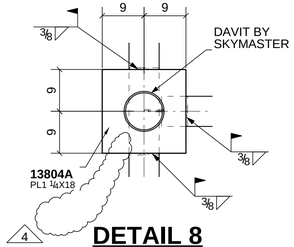
DETAIL 5



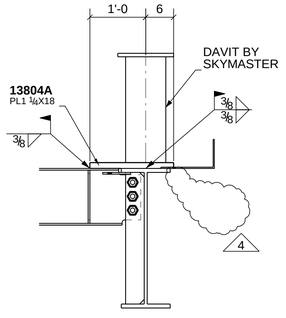
DETAIL 6



DETAIL 7



DETAIL 8



Y - Y

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	07/27/2010	FIELD WELDS ADDED & REMOVED FROM DAVIT BASE PLATE DETAILS (BDS X1.054)
3	07/16/2010	BEAMS AND DAVIT BASE PLATES ADDED (BDS X1.043)
2	02/17/2010	MARKS ADDED (SHOP QUERY)
1	02/10/2010	EOS CHANGED / BEAMS RELOCATED (BDS X3.015)
0	02/04/2010	ISSUED FOR CONSTRUCTION
A	12/14/2009	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.8

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 13 - ROOF PLAN

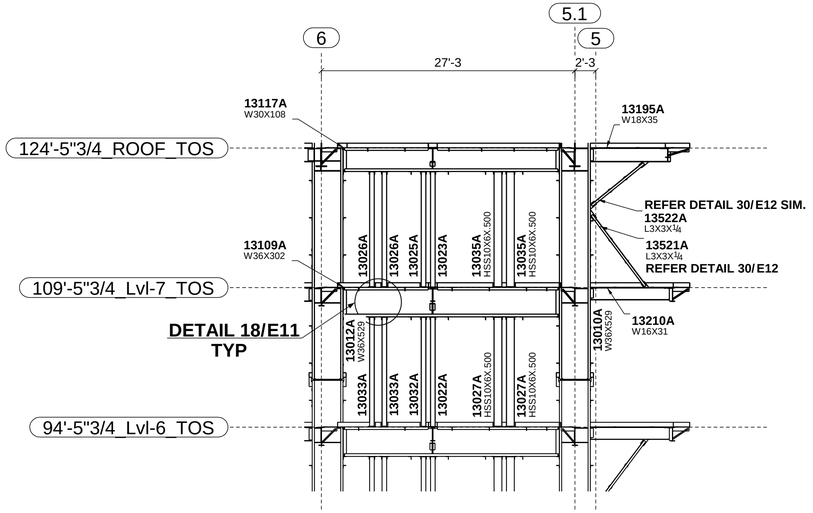
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		13	4

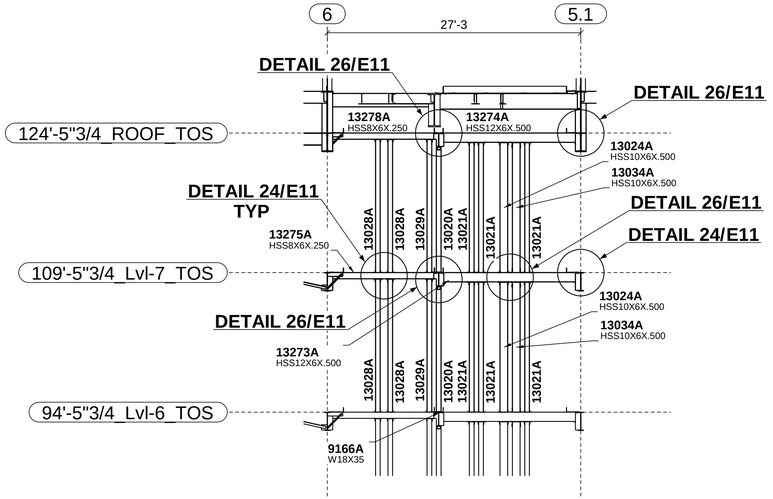
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E13002

MODEL NAME: 2302_001_131 PLOTTED: 10:12:02am 07/28/2010



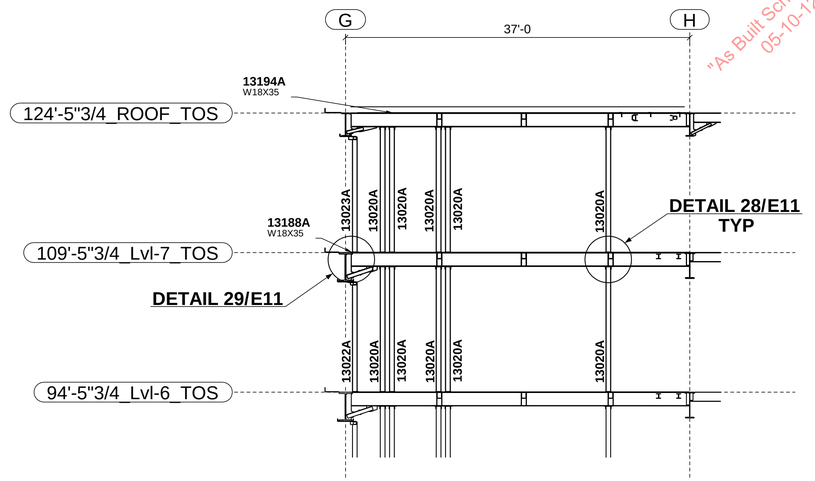
SECTION A - A
(E13001 & E13002)

NOTE: ALL POSTS HSS6X6X.500 U.N.



SECTION B - B
(E13001 & E13002)

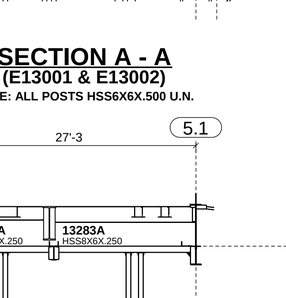
NOTE: ALL POSTS HSS6X6X.500 U.N.



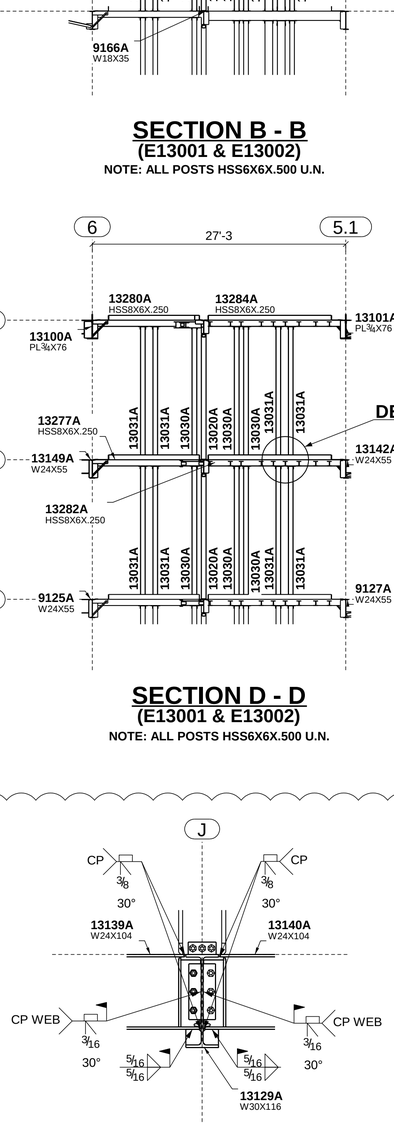
SECTION E - E
(E13001 & E13002)

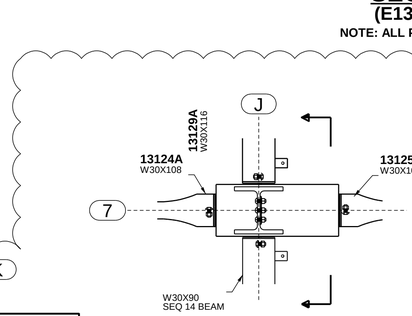
NOTE: ALL POSTS HSS6X6X.500 U.N.

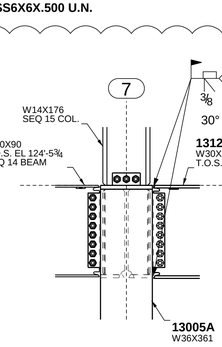
DETAIL 1
DETAIL A1/S6.20
(E13002)



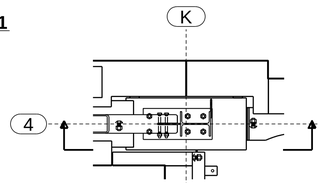
DETAIL 2
DETAIL D4-S6.12
(E13002)



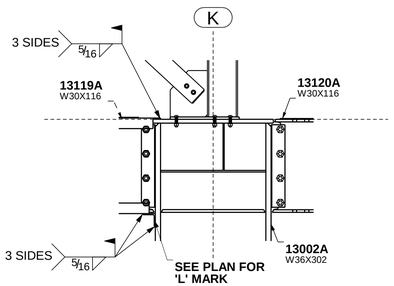


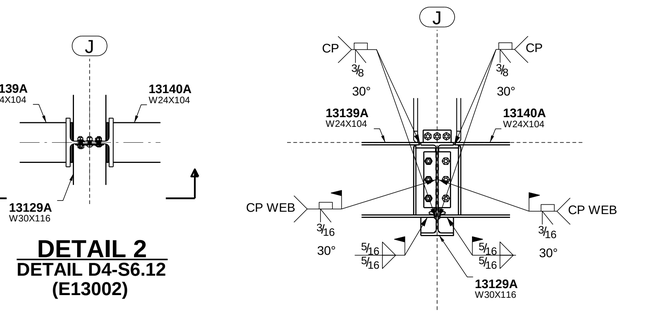


DETAIL 4
DETAIL B4/S6.12
(E13002)



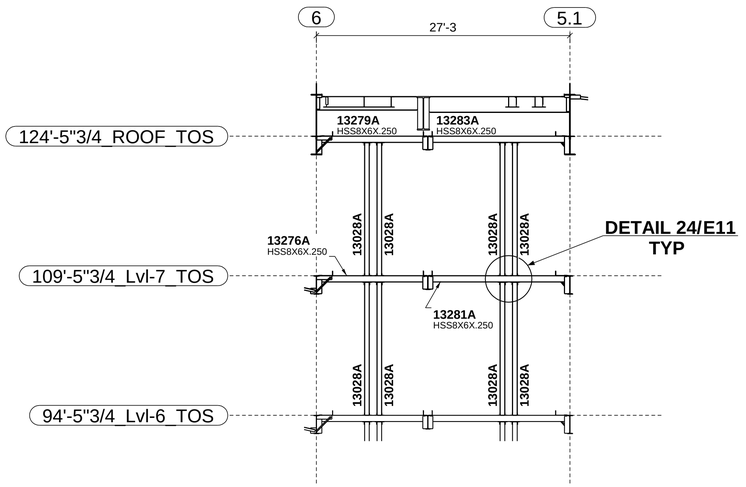
DETAIL 3
DETAIL B4/S6.5 (ROOF DETAIL)
(E13002)





SECTION C - C
(E13001 & E13002)

NOTE: ALL POSTS HSS6X6X.500 U.N.



SECTION D - D
(E13001 & E13002)

NOTE: ALL POSTS HSS6X6X.500 U.N.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
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"As Built Schuff Steel" 05-10-12

0

0	02/04/2010	ISSUED FOR CONSTRUCTION
A	12/14/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.7 & S2.8

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

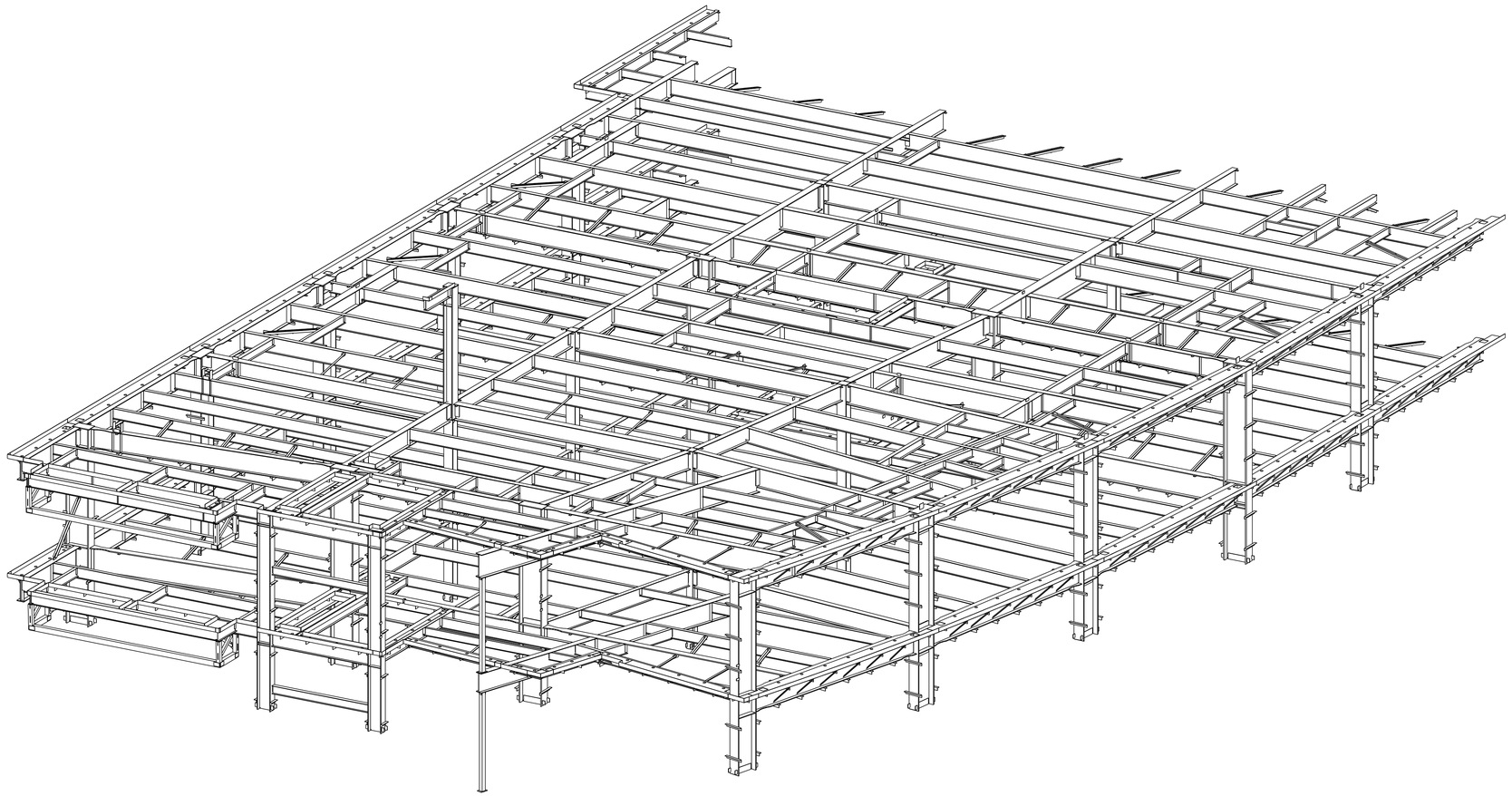
DETAILS OF: SEQUENCE 13 - SECTIONS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		13	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E13003

MODEL NAME: 2302_001_131 PLOTTED: 03:34:13pm 02/04/2010

"As Built Schuff Steel"
05-10-12



SEQUENCE 14 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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0	03/02/2010	ISSUED FOR CONSTRUCTION
A	01/18/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:

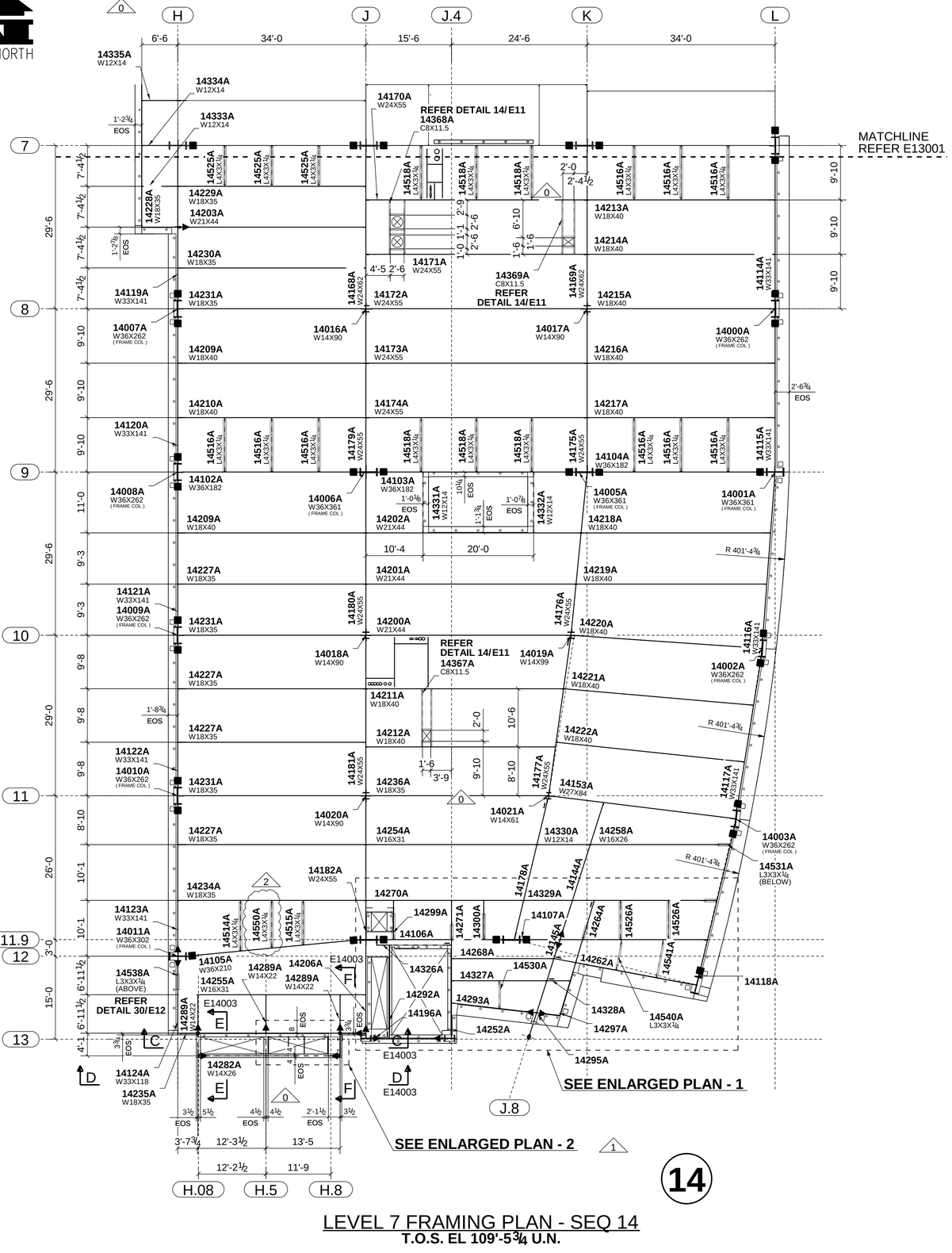
MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		14	0

DETAILS OF: SEQUENCE 14 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E14000

MODEL NAME: 2302_001_131 PLOTTED: 10:17:20am 03/02/2010

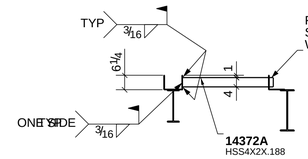
JOB NORTH



LEVEL 7 FRAMING PLAN - SEQ 14

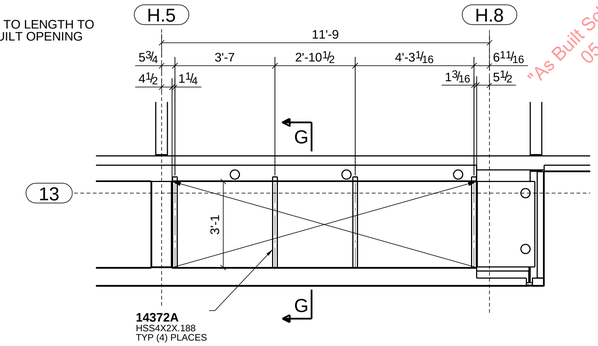
T.O.S. EL 109'-5¾ U.N.

14



G - G

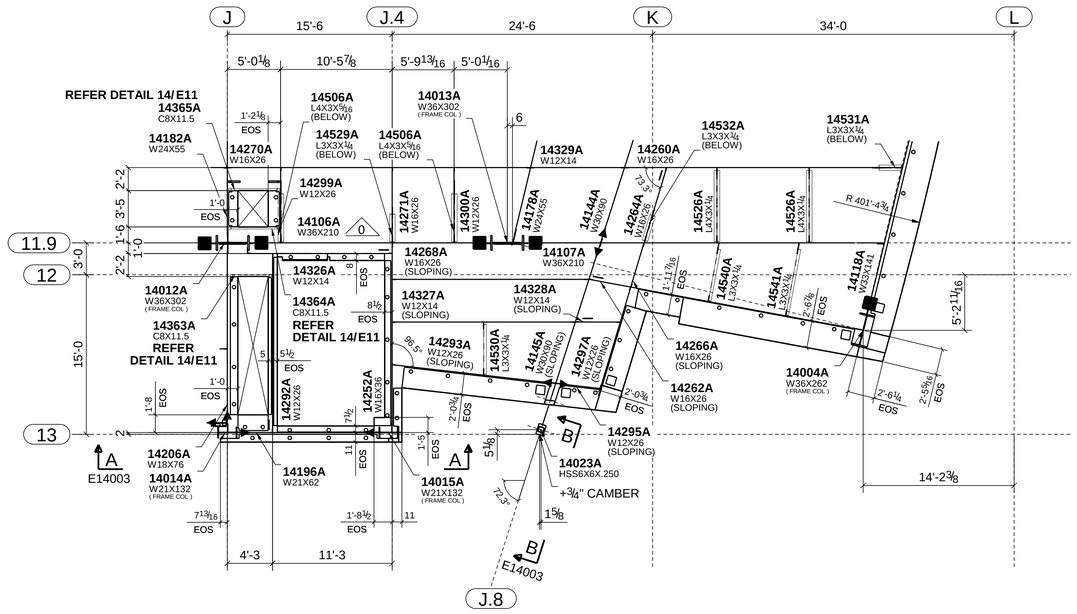
1



*As Built Schuff Steel 05-10-12

ENLARGED PLAN - 2

T.O.S. EL 109'-5¾ U.N.



ENLARGED PLAN - 1

T.O.S. EL 109'-5¾ U.N.

ERECTION NOTES

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2	07/27/2010	BRACE ADDED (BDS X1.053)
1	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
0	03/02/2010	ISSUED FOR CONSTRUCTION
A	01/18/2010	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.7

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 14 - LEVEL 7 PLAN

STRUCTURE: CHOC HOSPITAL

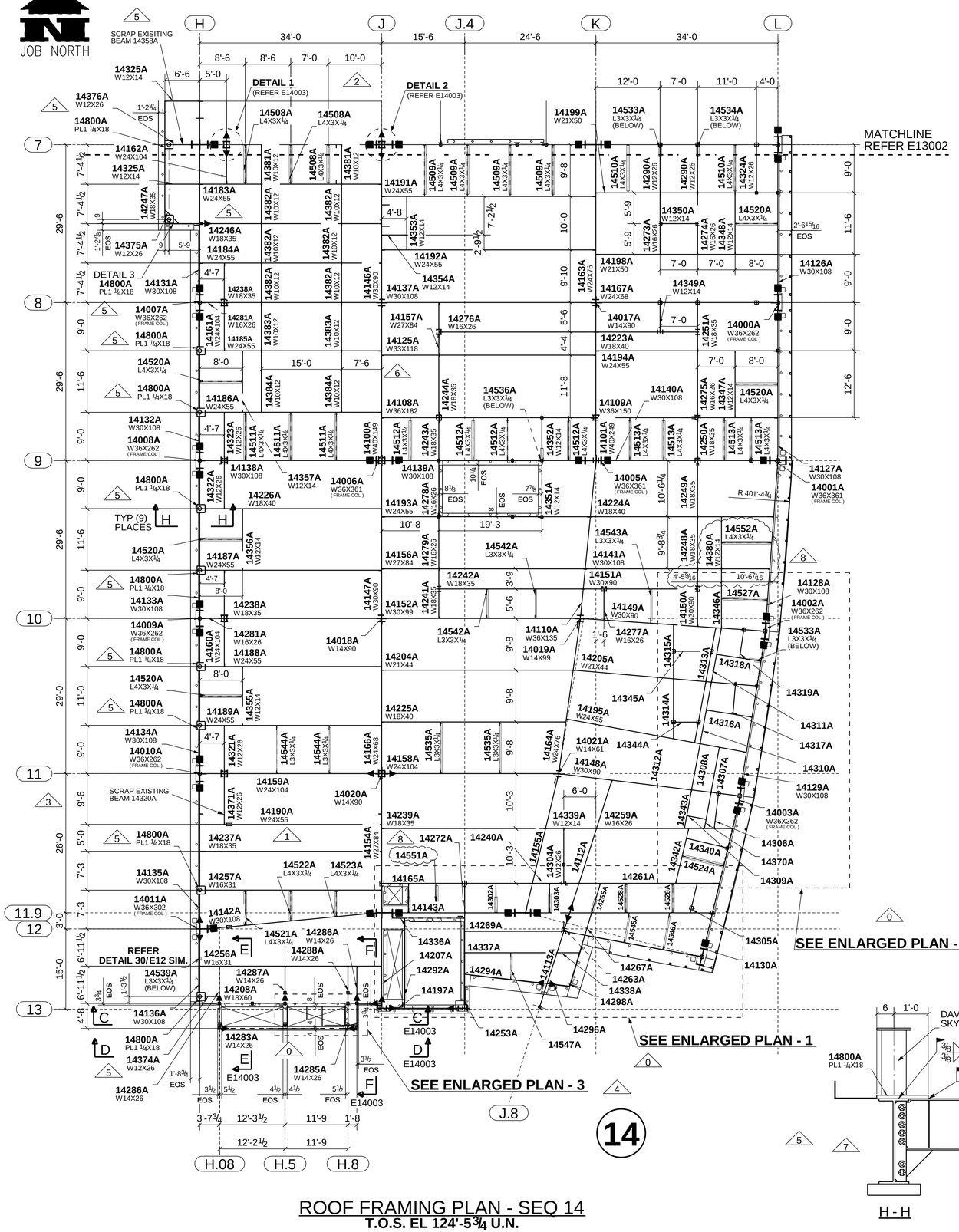
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		14	2

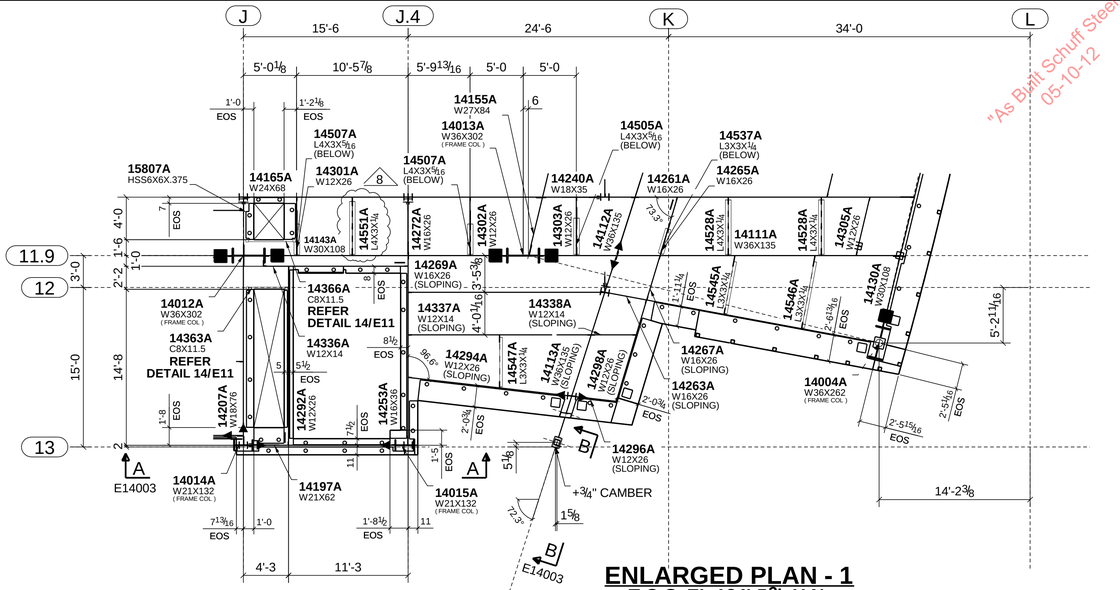
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E14001

MODEL NAME: 2352_001_131 PLOTTED: 11:13:43am 07/29/2010

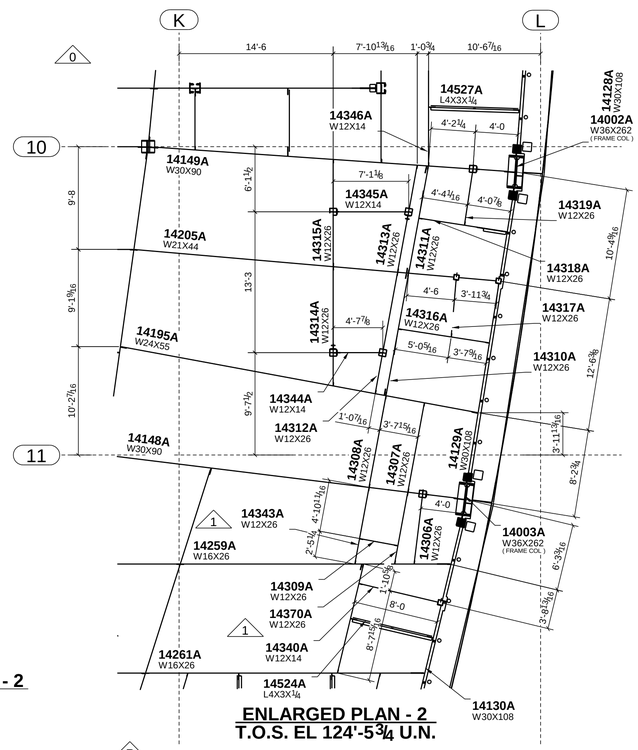
JOB NORTH



ROOF FRAMING PLAN - SEQ 14
T.O.S. EL 124'-5¾ U.N.



ENLARGED PLAN - 1
T.O.S. EL 124'-5¾ U.N.



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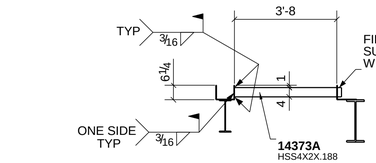
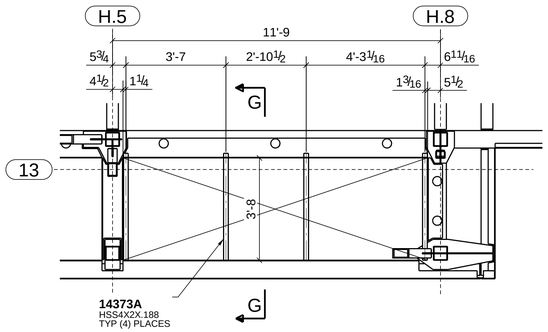
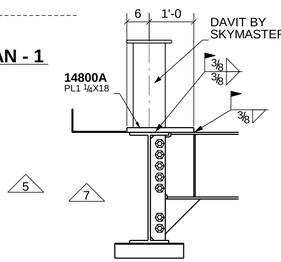
T.O.S. EL 124'-5¾ U.N.



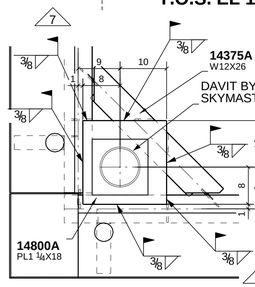
G - G



ENLARGED PLAN - 3
T.O.S. EL 124'-5¾ U.N.



H - H



DETAIL 3

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

8	07/27/2010	BEAM & BRACING ADDED (BDS X1.053)
7	07/27/2010	FIELD WELDS ADDED & REMOVED FROM DAVIT BASE PLATE DETAILS (BDS X1.054)
6	07/21/2010	BEAMS ADDED (BDS X1.052)
5	07/16/2010	BEAMS AND DAVIT BASE PLATES ADDED (BDS X1.043)
4	06/18/2010	HSS MEMBERS ADDED (BDS X1.036)
3	06/10/2010	BEAM LOCATION REVISED AND NEW BEAM MARK ADDED (BDS X1.045)
2	05/17/2010	BRACE LOCATION REVISED PER SS RFI # 589 / MCC RFI # 1382 (BDS X3.046)
1	03/25/2010	PROFILE & SHEAR TAB LOCATION CHANGED (BDS X1.040)
0	03/02/2010	ISSUED FOR CONSTRUCTION
A	01/18/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.8

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 14 - ROOF PLAN

STRUCTURE: CHOC HOSPITAL

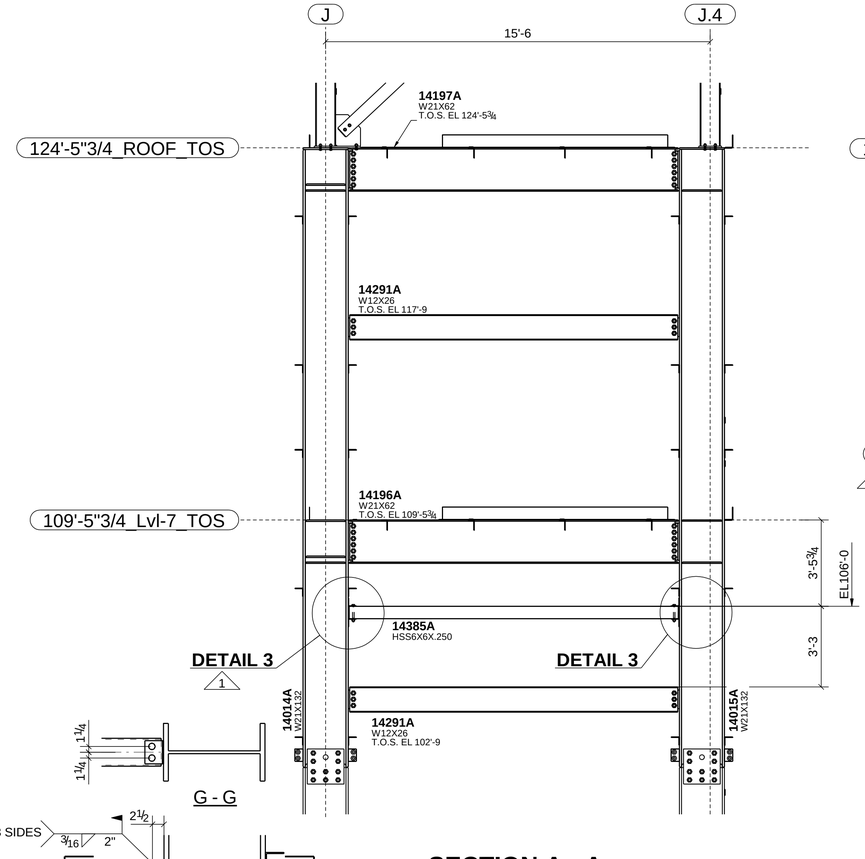
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		14	8

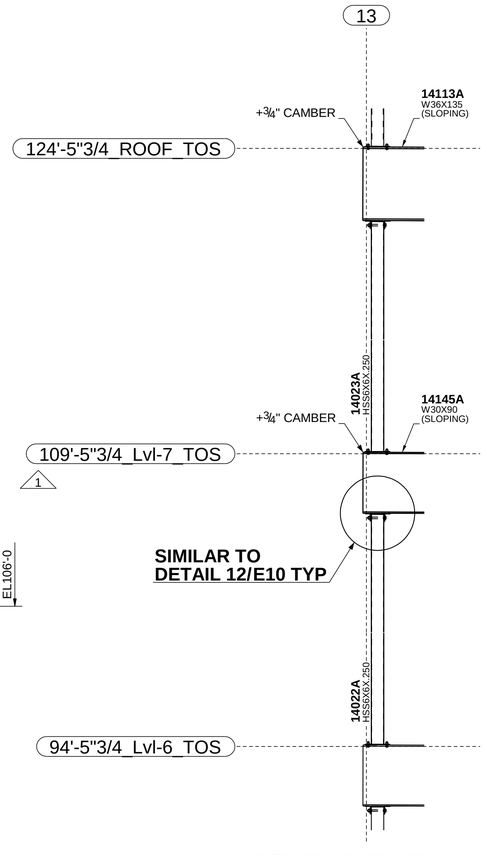
JOB NUMBER 2802 | FAB SS | SHEET NUMBER E14002

"As Built Schuff Steel" 05-10-12

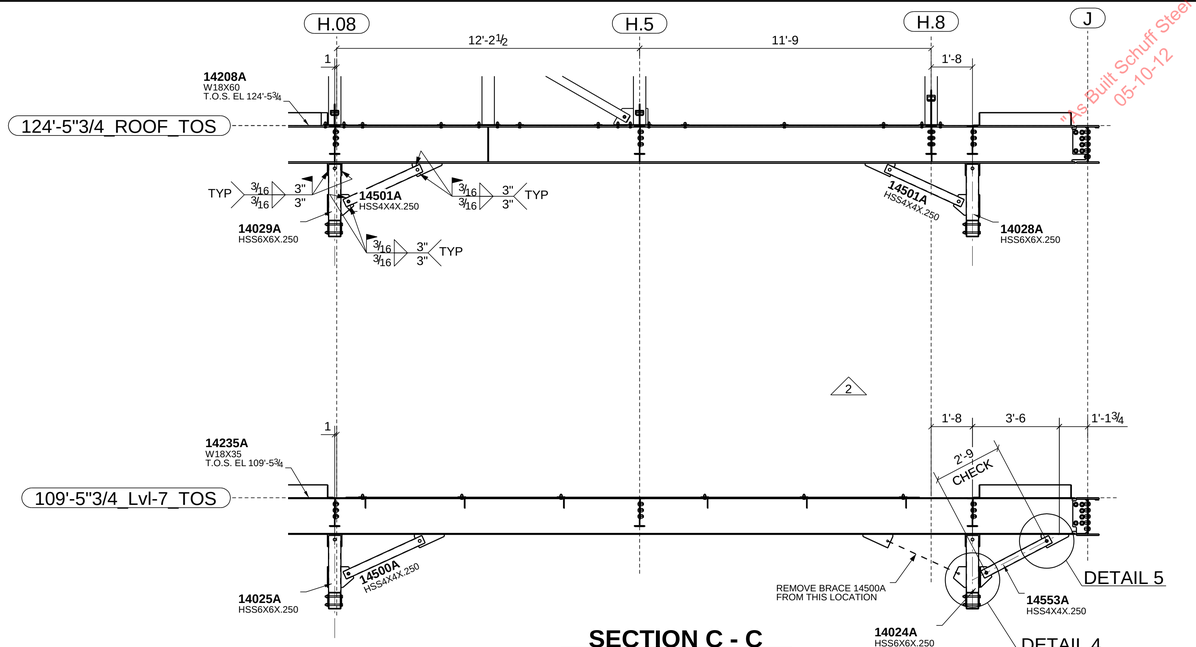
MODEL NAME: 2302_001_131 PLOTTED: 11:14:08am 07/29/2010



SECTION A - A
(REFER E14001 & E14002)

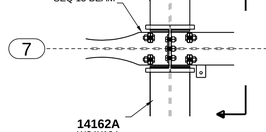


SECTION B - B
(REFER E14001 & E14002)

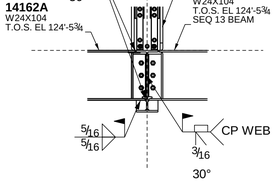


SECTION C - C
(REFER E14001 & E14002)

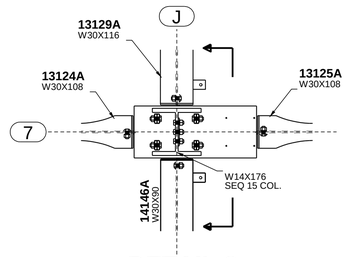
DETAIL 4



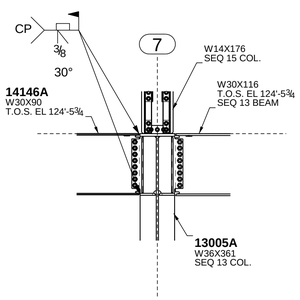
DETAIL 5

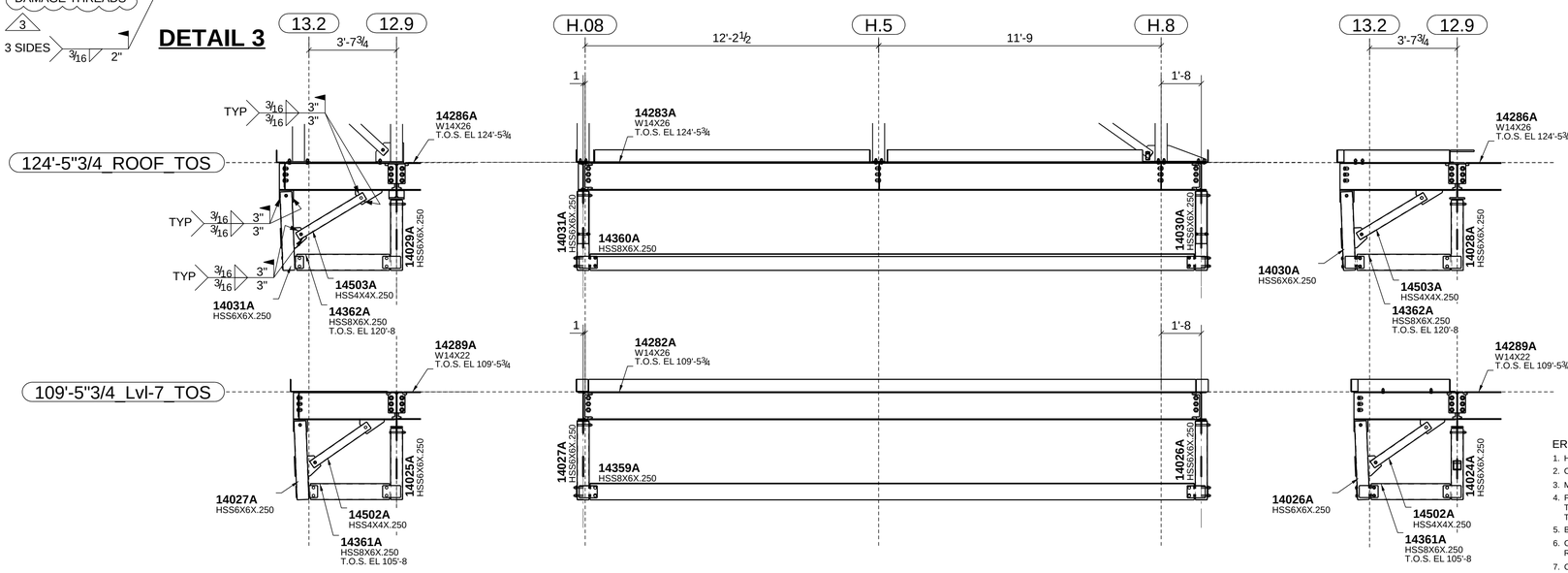


DETAIL 1
(E14002)



DETAIL 2
(E14002)





DETAIL 3

SECTION E - E
(REFER E14001 & E14002)

SECTION D - D
(REFER E14001 & E14002)

SECTION F - F
(REFER E14001 & E14002)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	10/01/2010	DAMAGE BOLT THREAD NOTE ADDED TO DETAIL 3 (BDS X1.060)
2	09/29/2010	HSS BRACE REMOVED & ADDED PER SS RFI#697 (BDS X3.055)
1	09/08/2010	HSS GIRT ADDED (BDS X1.059)
0	03/02/2010	ISSUED FOR CONSTRUCTION
A	01/18/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.7 & S2.8

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 14 - SECTIONS

STRUCTURE: CHOC HOSPITAL

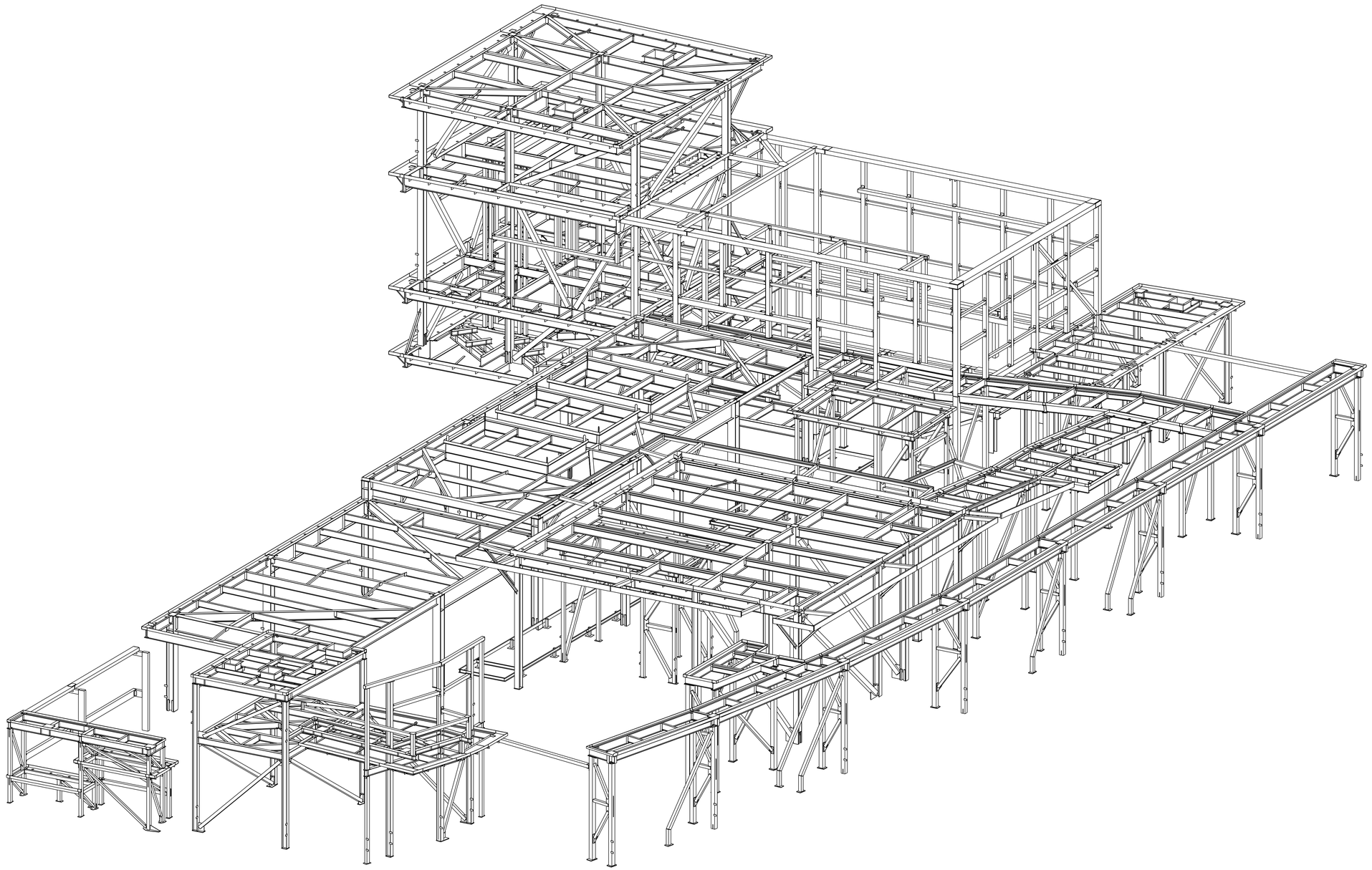
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		14	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E14003

As-Built Schuff Steel
05-10-12

"As Built Schuff Steel"
05-10-12



SEQUENCE 15 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

4	10/13/2010	3D VIEW UPDATED (BDS X1.060)
3	07/21/2010	3D VIEW UPDATED
2	05/07/2010	MACHINE ROOM SUPPORT BEAMS ADDED (BDS X1.041)
1	04/14/2010	ELEVATOR HSS STEELWORK ADDED (BDS RFI#349, SS RFI#518)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 15 - 3D

STRUCTURE: CHOC HOSPITAL

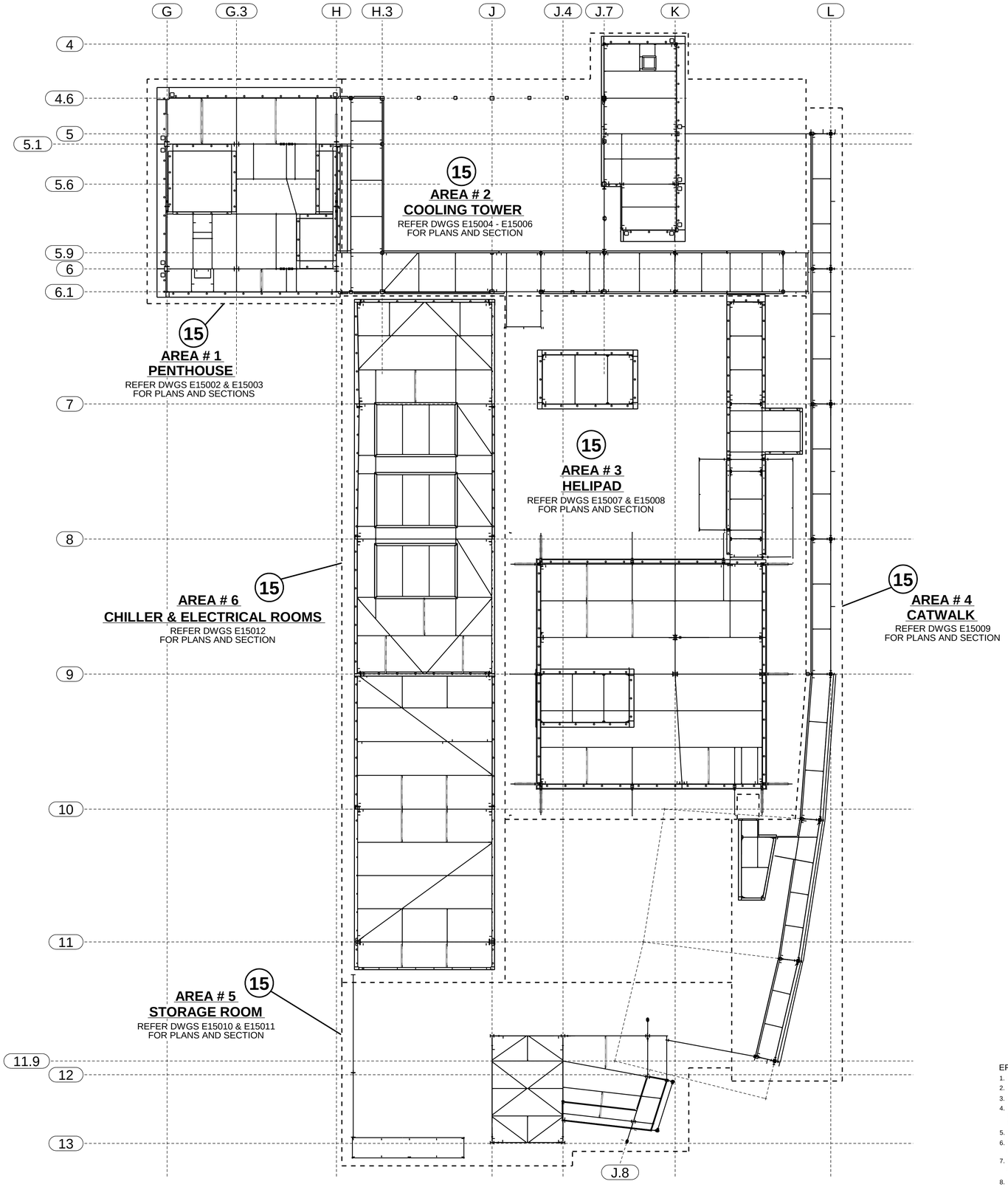
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		15	4

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15000

MODEL NAME: 2352_001_131 PLOTTED: 11:39:05am 10/13/2010

JOB NORTH



KEY PLAN - SEQ 15

SEQ 15 - AREA BREAK-UP	
AREA	ASSEMBLY MARK RANGE
1	15000A to 15199A
2	15200A to 15369A
3	15370A to 15549A
4	15550A to 15699A
5	15700A to 15849A
6	15850A to 15999A

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
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PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 15 - KEY PLAN

STRUCTURE: CHOC HOSPITAL

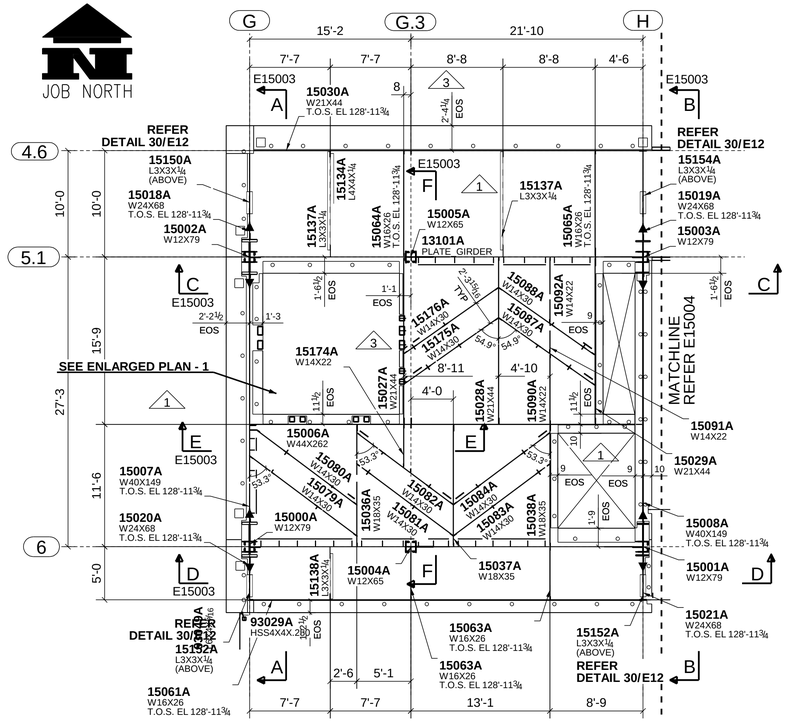
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		15	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15001

Tekla Structures Scrub Sheet
2010-04-12

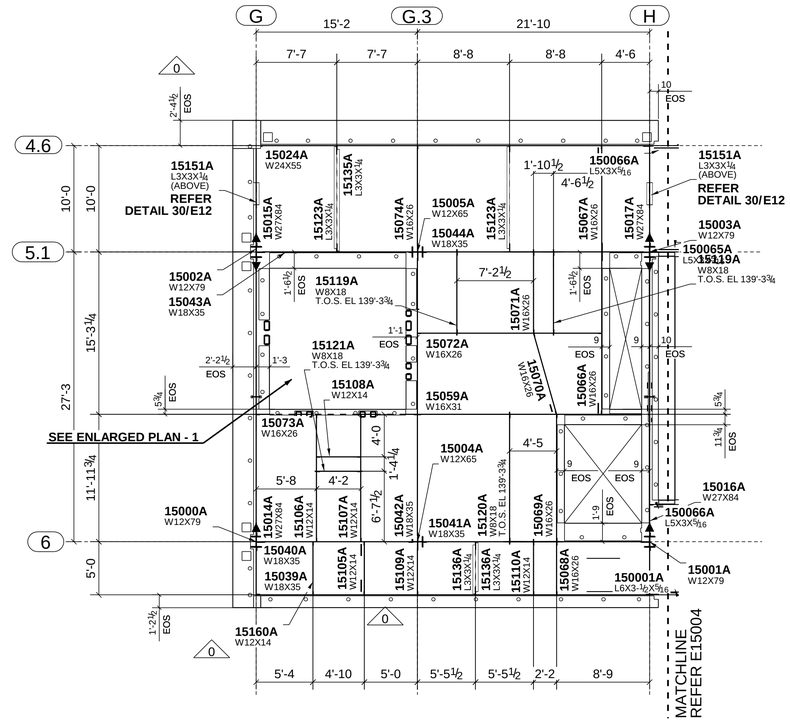
MODEL NAME: 2302_001_131 PLOTTED: 02:54 3-pm 04/01/2010



ELEV. PENTHOUSE 1 FRAMING PLAN - SEQ 151

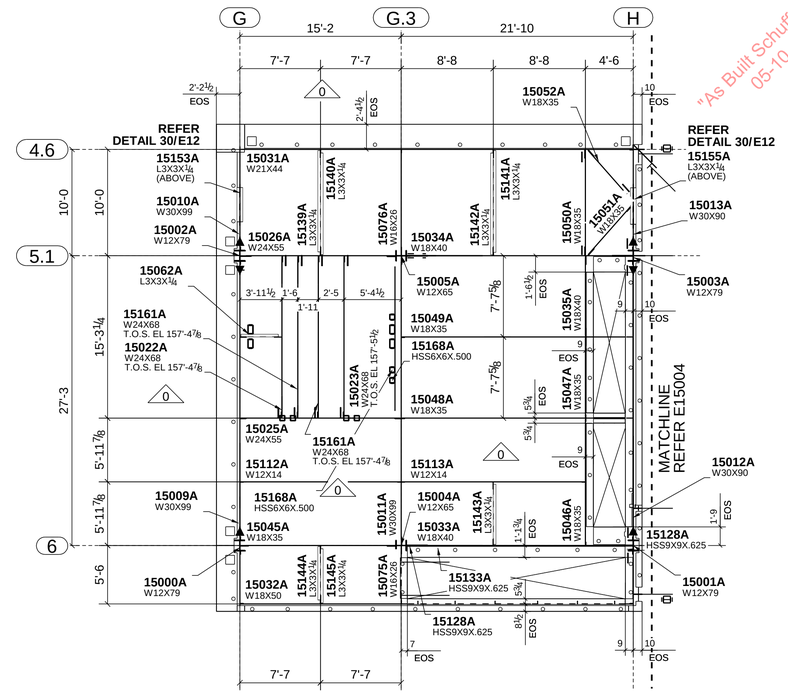
T.O.S. EL 128'-9" U.N.

NOTE: SEE ELEV PENTHOUSE 1 MACHINE ROOM PLAN @ EL 129'-6 FOR MACHINE BEAM SUPPORT BEAM MARKS & LOCATIONS.



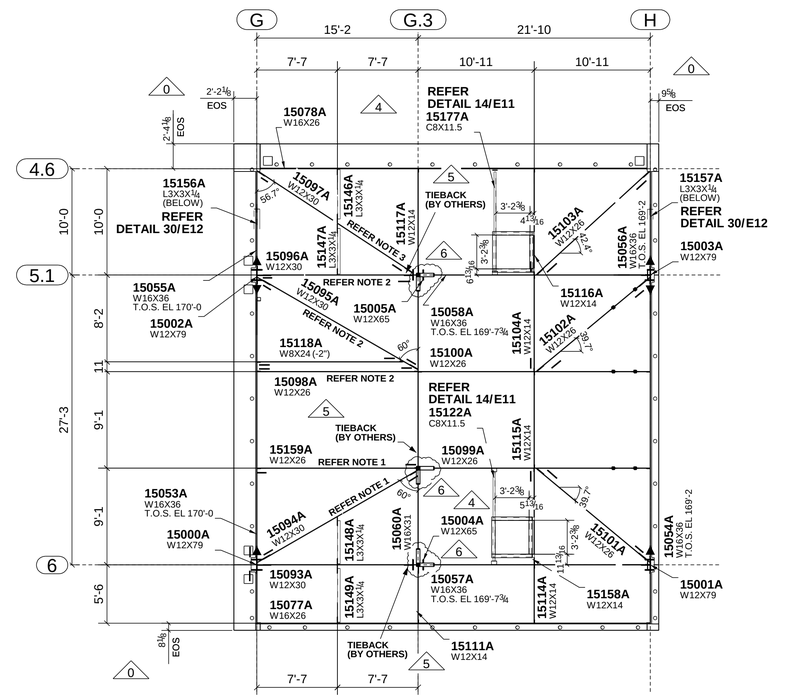
ELEV. PENTHOUSE 2 FRAMING PLAN - SEQ 151

T.O.S. EL 139'-5¾ U.N.



ELEV. PENTHOUSE 3 FRAMING PLAN - SEQ 151

T.O.S. EL 157'-7¾ U.N.

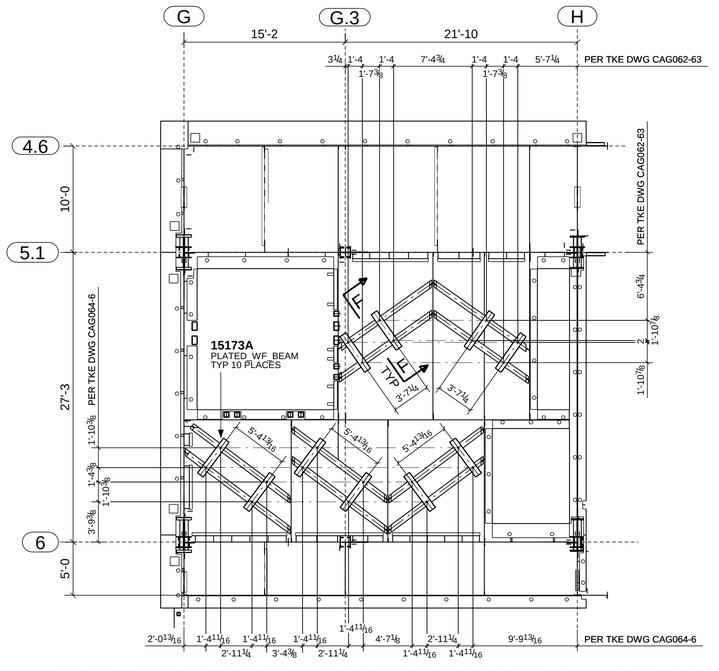


PENTHOUSE ROOF FRAMING PLAN - SEQ 151

VARIES

ROOF BEAM ERECTION NOTES

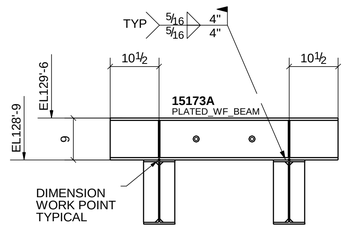
1. ERECT BEAM 15094A BEFORE 15159A.
2. ERECT BEAM 15095A BEFORE 15096A AND 15098A.
3. ERECT BEAM 15096A BEFORE 15097A.



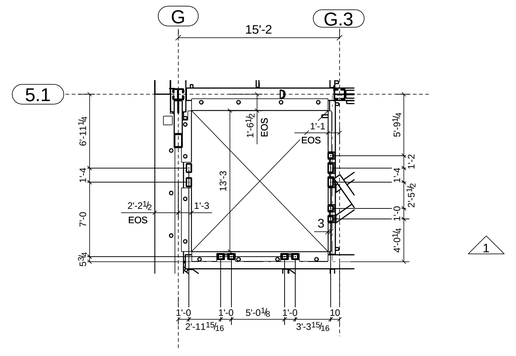
ELEV. PENTHOUSE 1 MACHINE ROOM PLAN - SEQ 151

T.O.S. EL 129'-6" U.N.

NOTE: SEE ELEV PENTHOUSE 1 FRAMING PLAN @ EL 128'-9 FOR FLOOR BEAM MARKS.



F - F
DETAIL A2/S6.26



ENLARGED PLAN - 1

HSS GUIDE RAIL LAYOUT

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

6	09/01/2010	TIEBACK ORIENTATION REVISED (BDS X1.043)
5	07/16/2010	TIEBACK NOTE ADDED (BDS X1.043)
4	06/25/2010	ROOF OPENING FRAME ADDED PER MCC RFI # 1536 (BDS X3.049) & DIM REV'D
3	05/07/2010	PLAN & MARKS ADDED/REVISED (BDS X1.041 & BDS X3.045)
2	04/22/2010	MISSING TITLE ADDED
1	04/14/2010	SECTION SYMBOLS & PLAN ADDED & DIM REVISED (BDS RFI#349, SS RFI#518)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

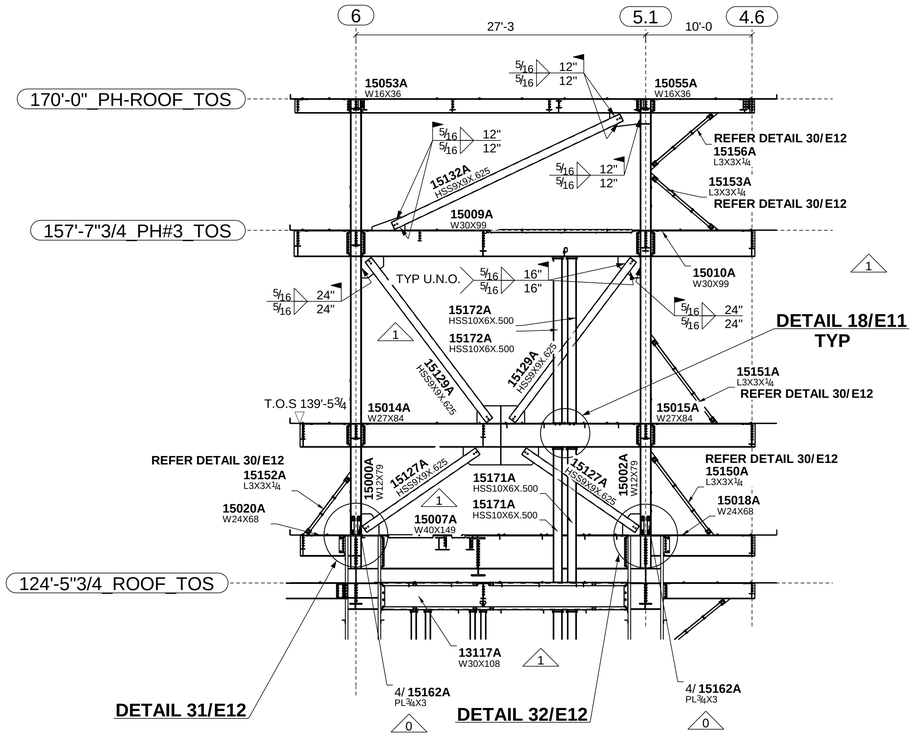
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE:	S2.9 &S2.10				
MADE BY: CC	CHECKED BY: WJ	DATE: 08/25/2009	M	C	H
DETAILS OF: SEQUENCE 151 - PENTHOUSE PLANS					
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II					

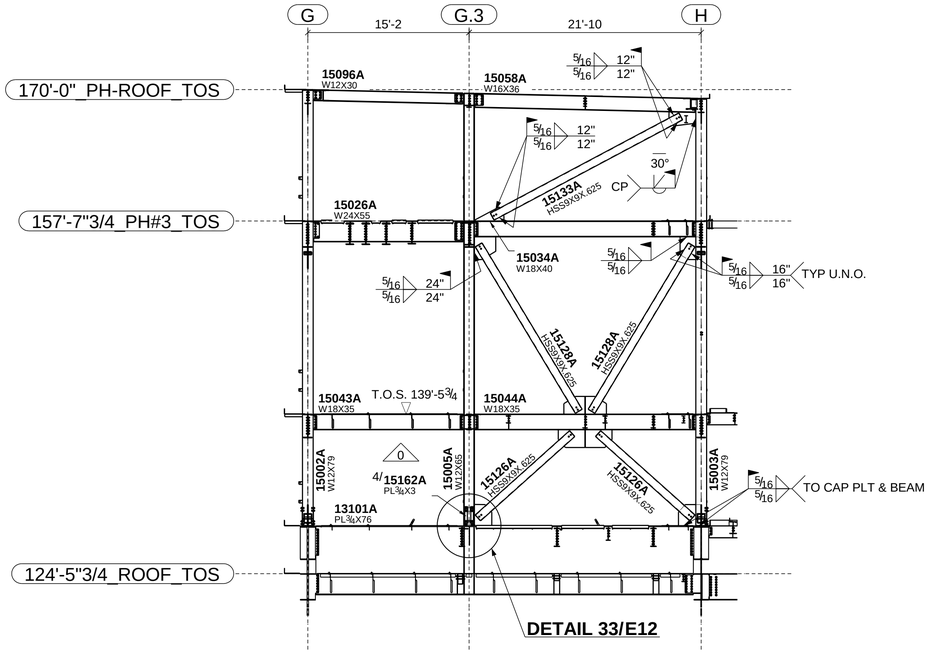
SEQ	REV
151	6

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15002

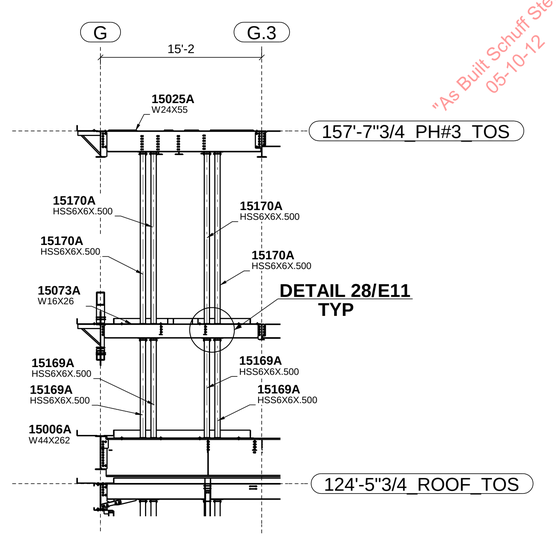
MODEL NAME: 2302_001_131 PLOTTED: 10:19:13am 09/02/2010



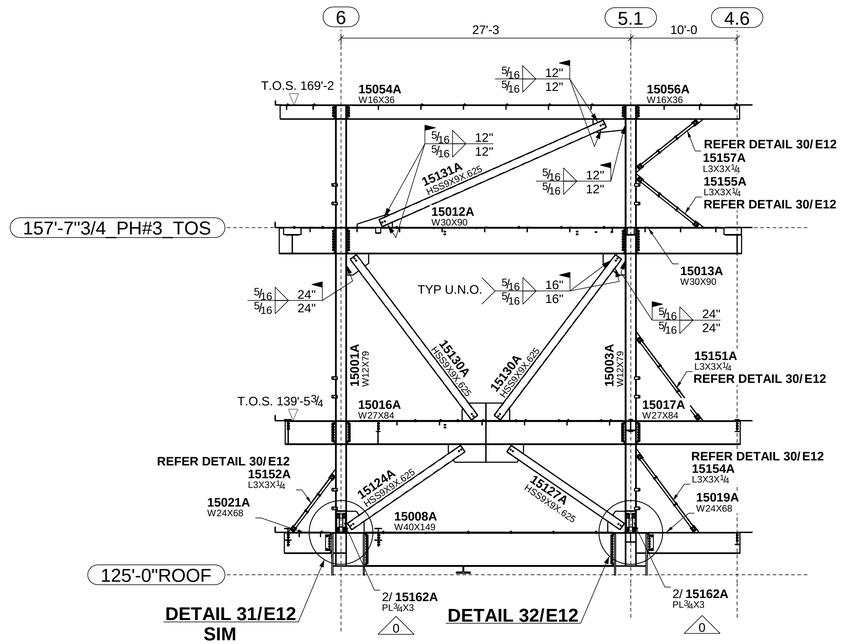
SECTION A - A
(REFER E15002)



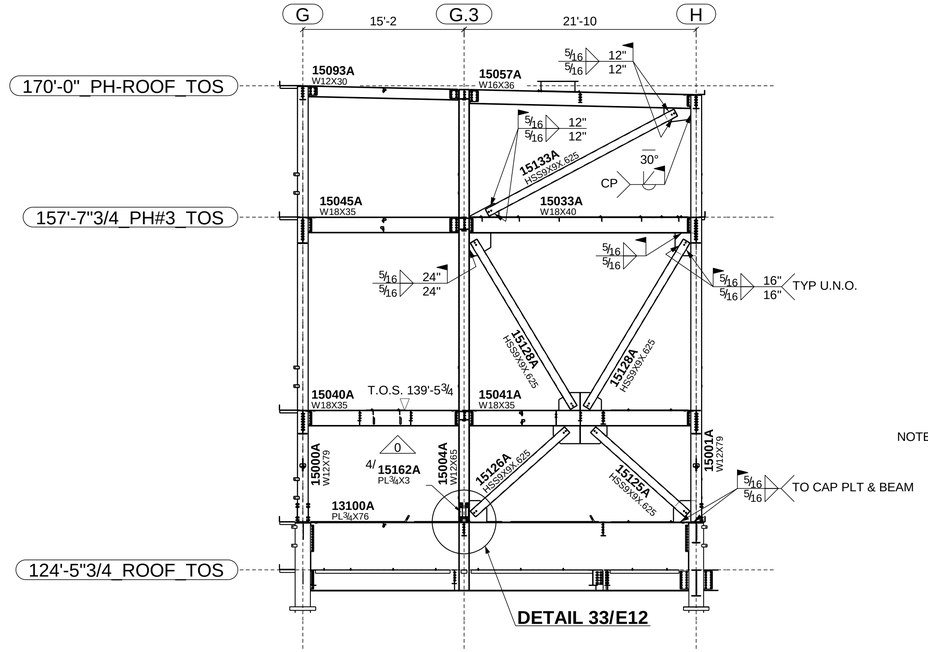
SECTION C - C
(REFER E15002)



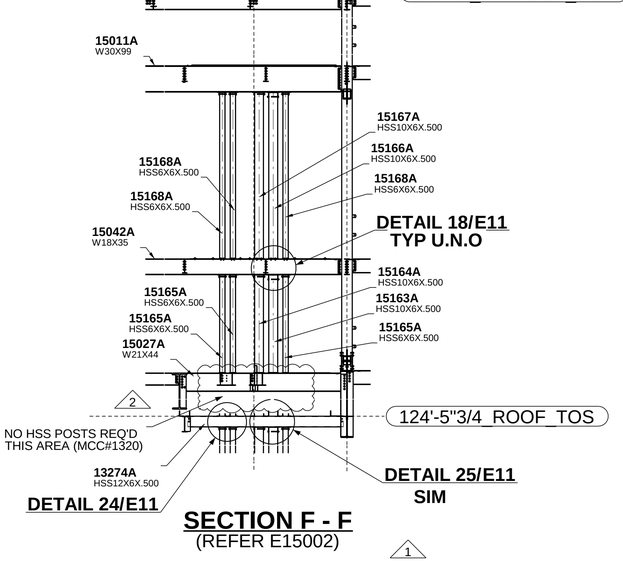
SECTION E - E
(REFER E15002)



SECTION B - B
(REFER E15002)



SECTION D - D
(REFER E15002)



SECTION F - F
(REFER E15002)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	05/07/2010	HSS POSTS REMOVED (BDS X3.045)
1	04/14/2010	SECTIONS AND MKS ADDED (BDS RFI#349, SS RFI#518)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9 & S2.10

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 151 - SECTIONS

STRUCTURE: CHOC HOSPITAL

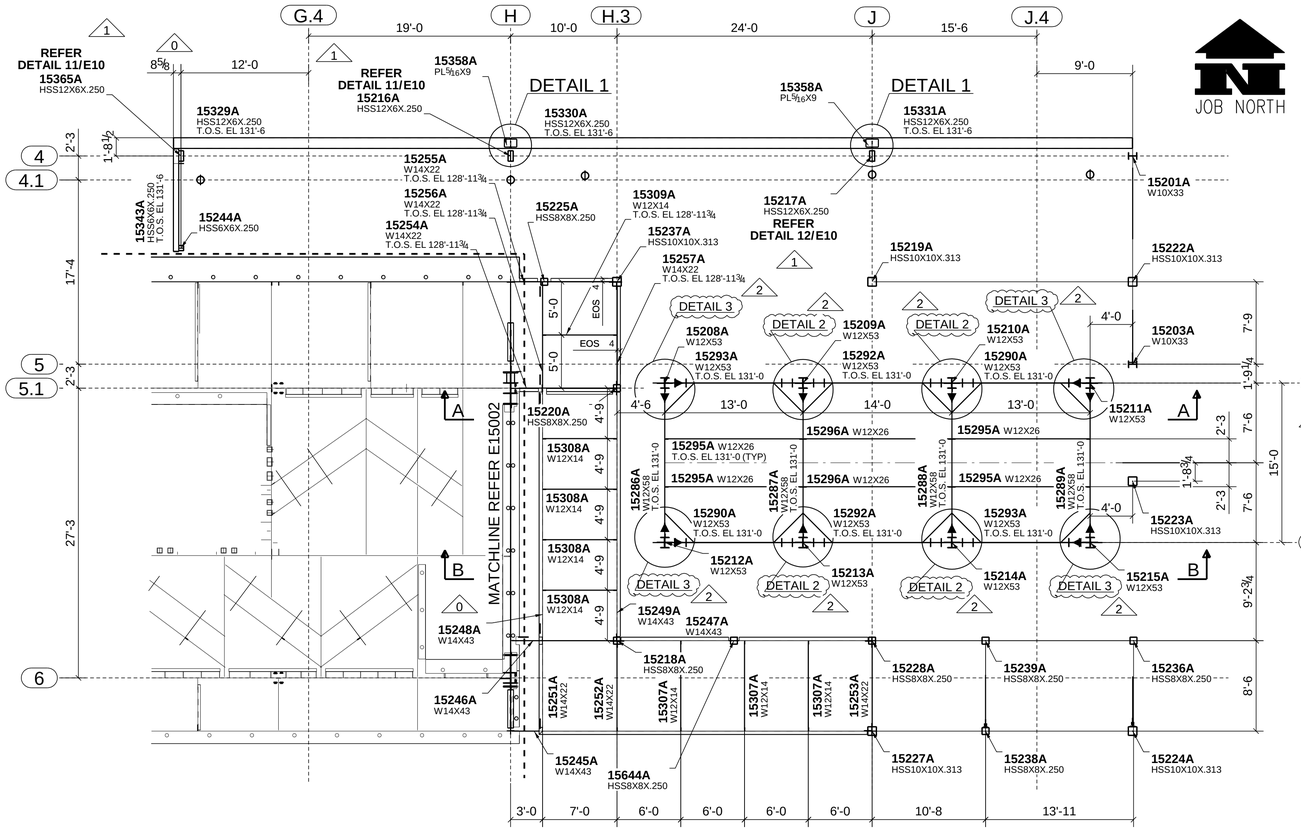
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		151	2

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15003

"As Built Schuff Steel" 05-10-12

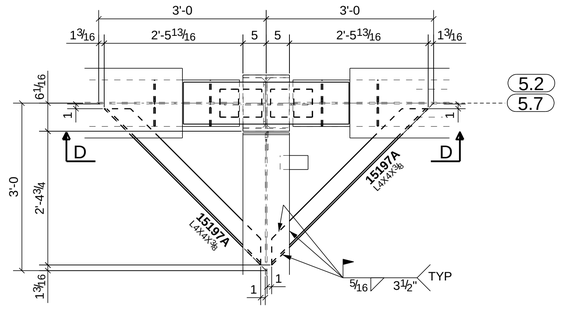
MODEL NAME: 2302_001_151 PLOTTED: 12:00:08pm 05/07/2010



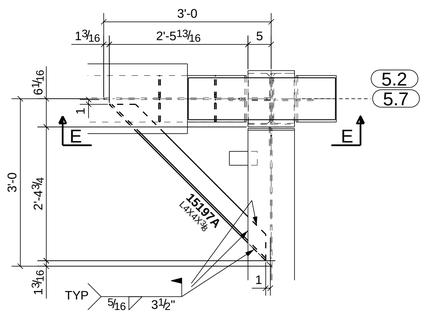
COOLING TOWER FRAMING PLAN - SEQ 152

T.O.S. EL 129'-4 1/2 U.N.

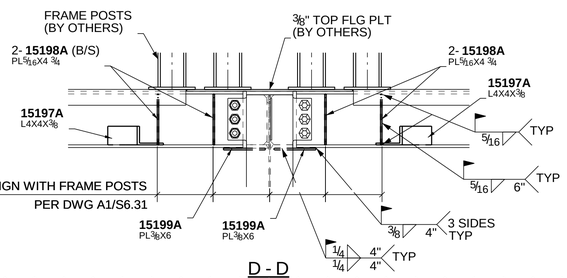
NOTES:
1. SEAL ALL GALVANIZED STEEL VENT HOLES WITH ALUMINUM PLUGS
2. ALL GALVANIZED STEEL ABOVE SLAB TO BE CONNECTED WITH GALVANIZED BOLTS



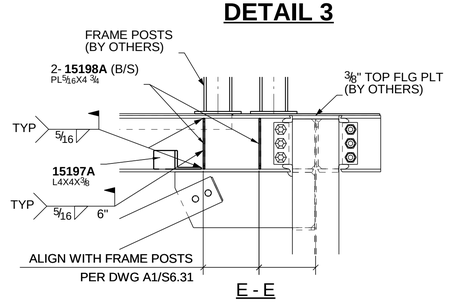
DETAIL 2



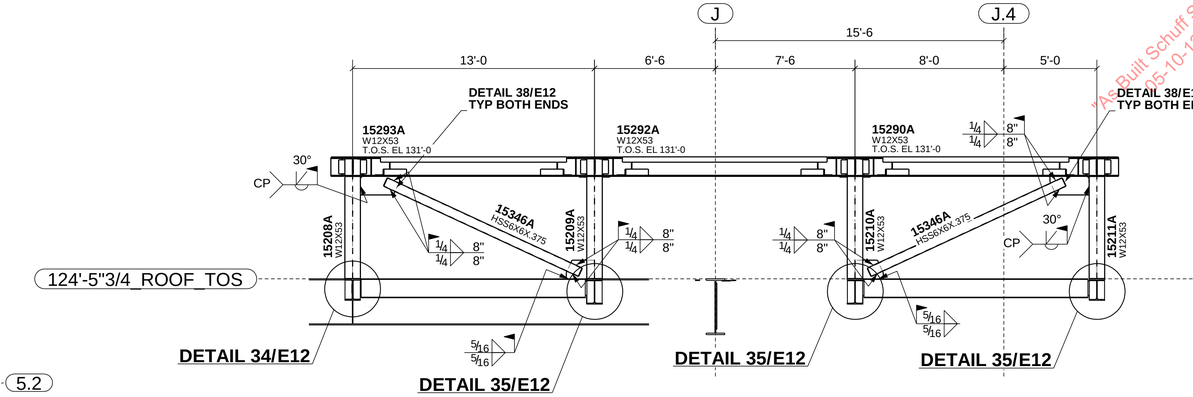
DETAIL 3



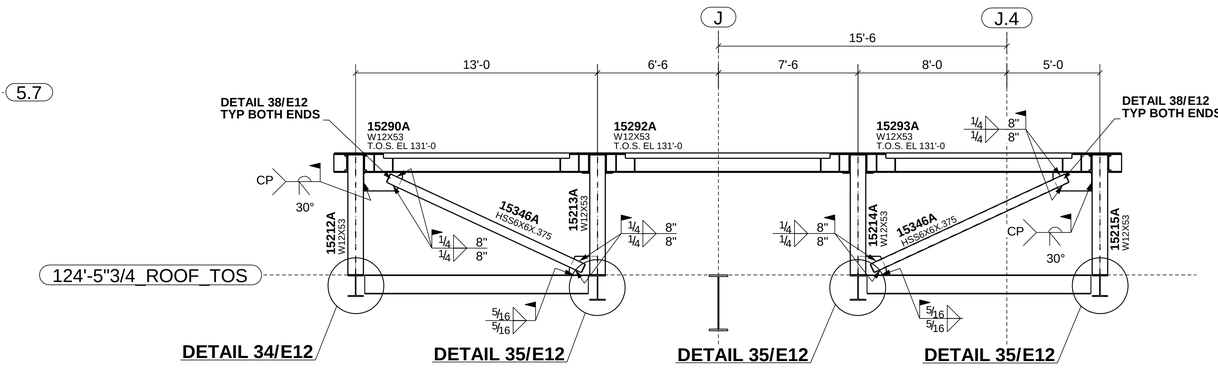
D - D



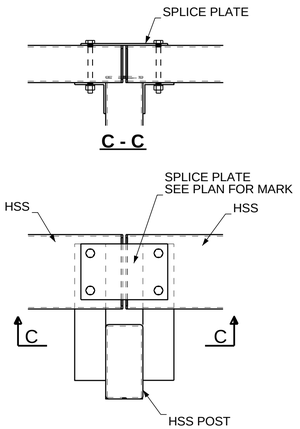
E - E



A - A



B - B



DETAIL 1
TYPICAL GIRT SPLICE

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	11/12/2010	FIELDWORK DETAILS ADDED PER A1/S6.31- OSHPD CO#108 (BDS X1.063)
1	06/15/2010	FIELD WELDS REVISED AT (1) DETAIL 12/E10 LOCATION (BDS X1.046)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.10

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

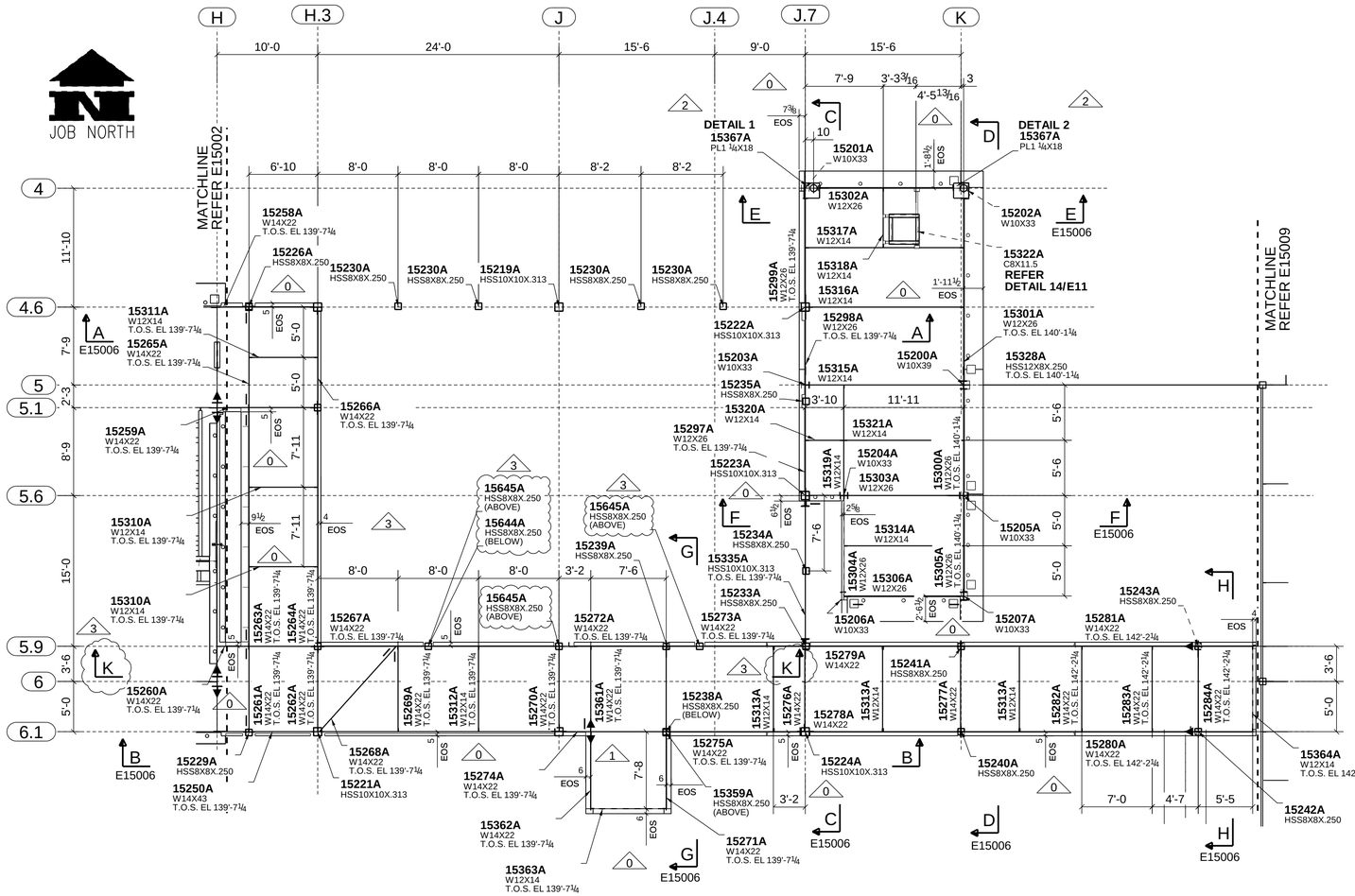
DETAILS OF: SEQUENCE 152 - COOLING TOWER
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

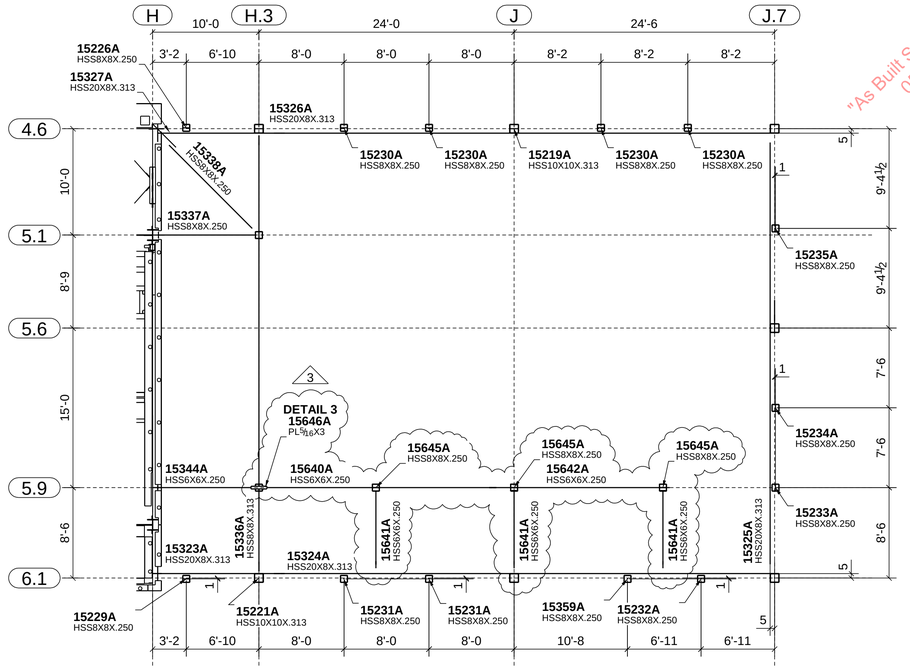
M	C	H	SEQ	REV
	X		152	2

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15004

"As Built Schuff Steel" 05-10-12

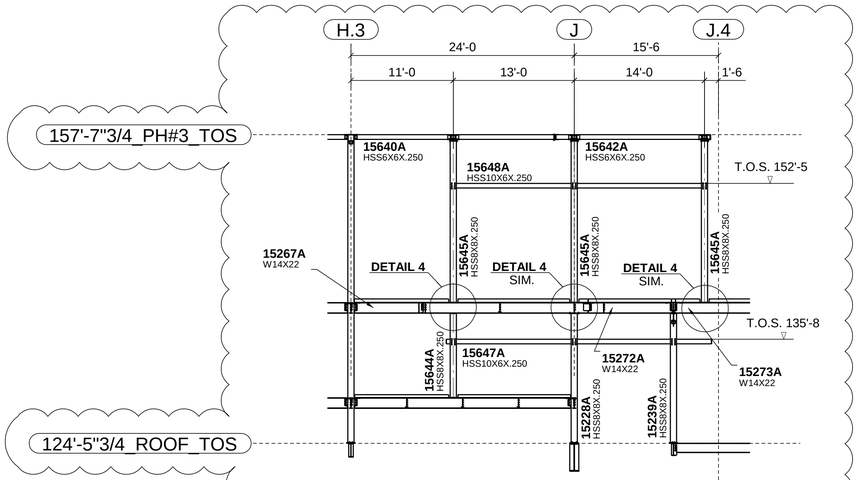
MODEL NAME: 2302_001_131 PLOTTED: 01:55:55pm 11/12/2010





"As Built Schuff Steel" 05-10-12

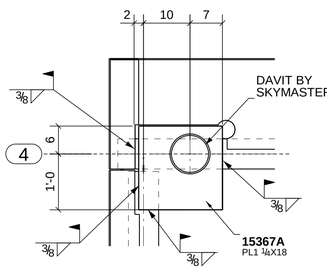
COOLING TOWER SCREEN FRAMING PLAN - SEQ 152
T.O.S. EL 157'-7¾ U.N.



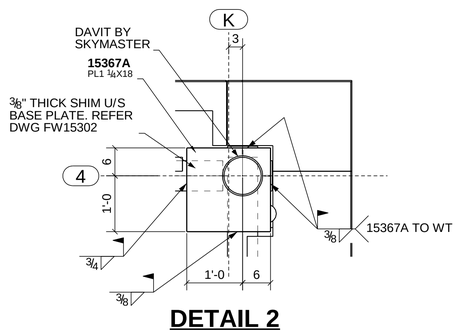
K - K

COOLING TOWER FRAMING PLAN - SEQ 152
T.O.S. VARIES

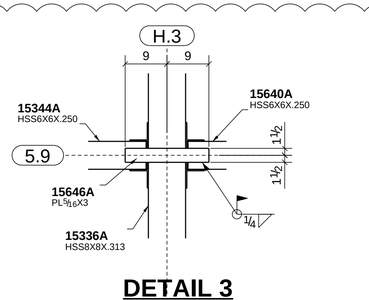
NOTES:
1.SEAL ALL GALVANIZED STEEL VENT HOLES WITH ALUMINUM PLUGS
2. ALL GALVANIZED STEEL ABOVE SLAB TO BE CONNECTED WITH GALVANIZED BOLTS



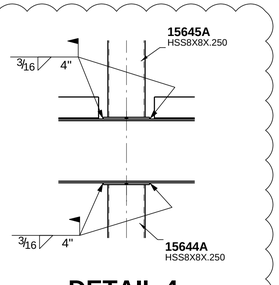
DETAIL 1



DETAIL 2



DETAIL 3
NOTE: REPAIR GALV SURFACE FINISH AFTER FIELD WELDING IS COMPLETE.



DETAIL 4
NOTE: REPAIR GALV SURFACE FINISH AFTER FIELD WELDING IS COMPLETE.

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	07/19/2010	NEW STEELWORK ADDED (BDS X1.048)
2	07/16/2010	DAVIT BASE PLATES ADDED (BDS X1.043)
1	04/22/2010	MOMENT SYMBOLS ADDED
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9 & S2.10

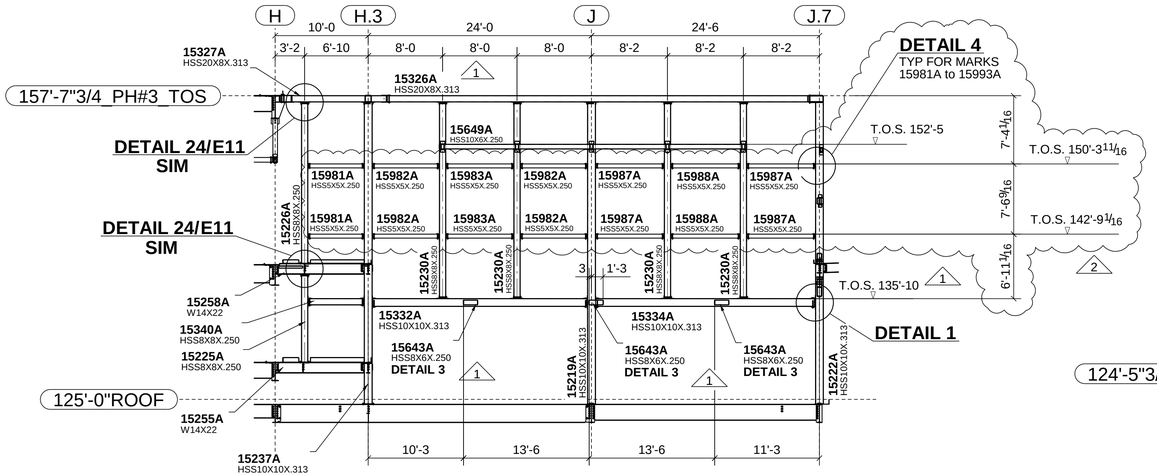
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 152 - COOLING TOWER
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

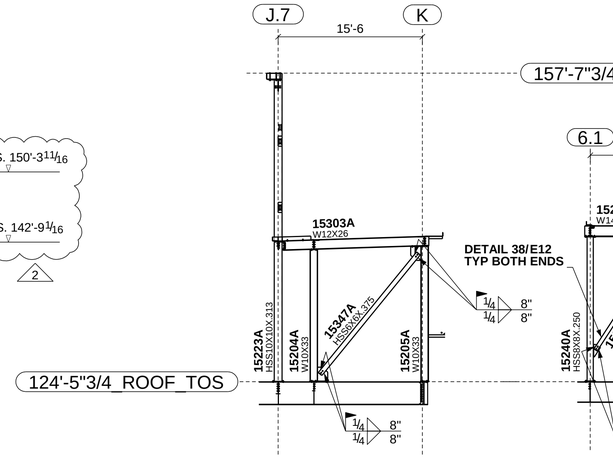
M	C	H	SEQ	REV
	X		152	3

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15005

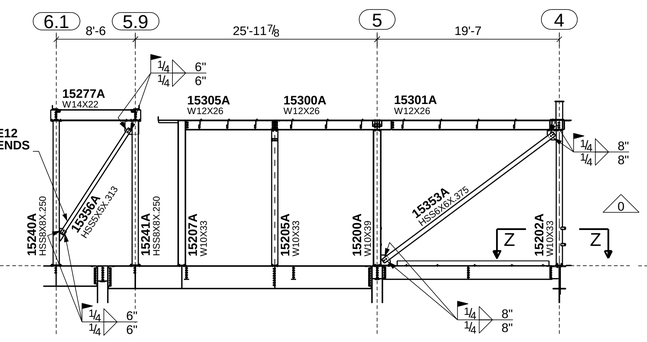
MODEL NAME: 2302_001_131 PLOTTED: 12:17:03pm 07/19/2010



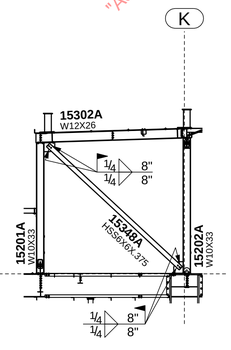
SECTION A - A
(E15005)



SECTION F - F
(E15005)

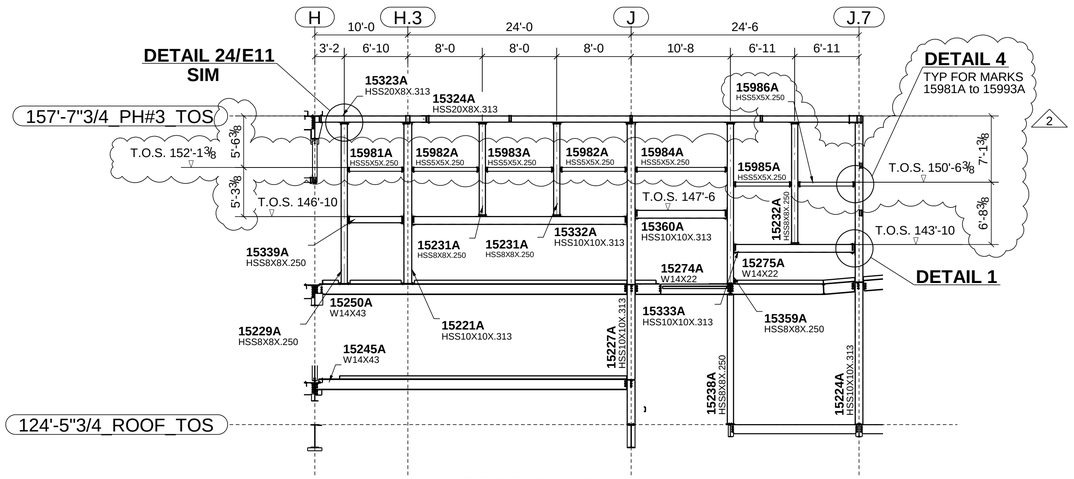


SECTION D - D
(E15005)

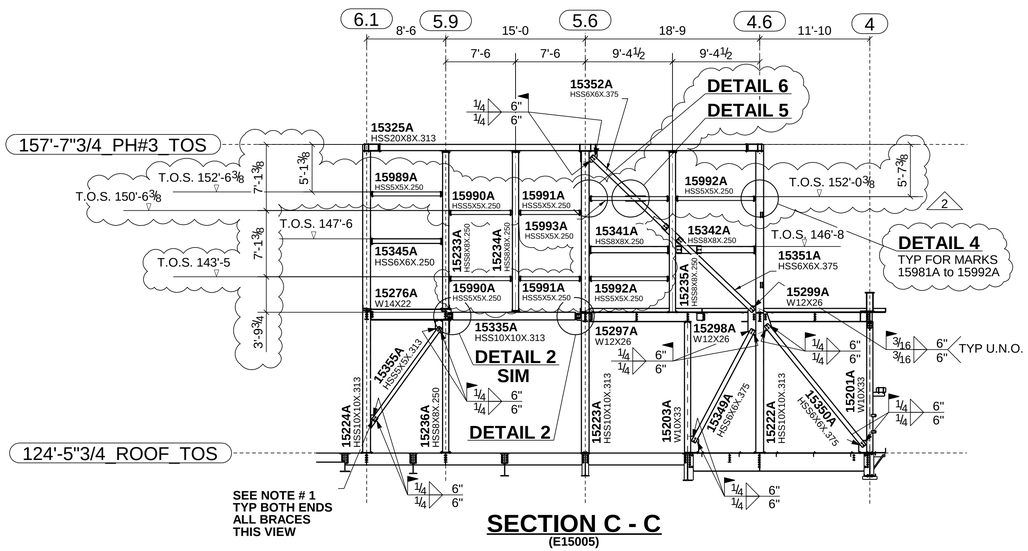


SECTION E - E
(E15005)

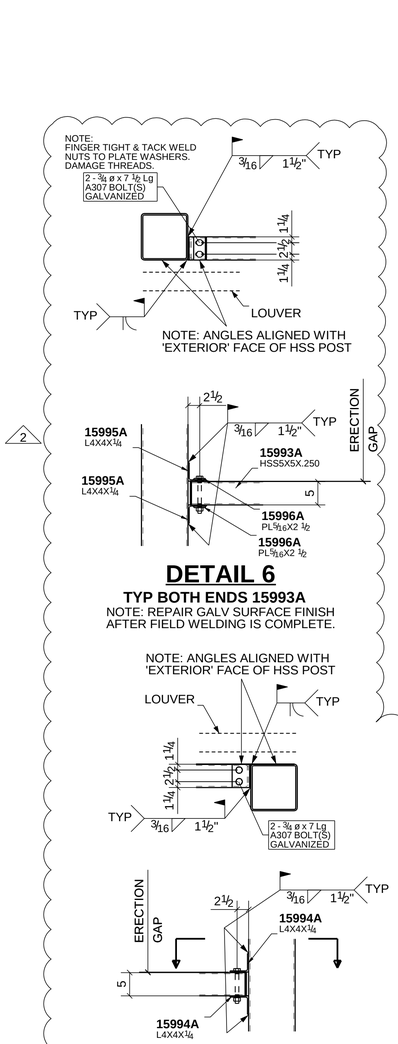
"As Built Schuff Steel"
05-10-12

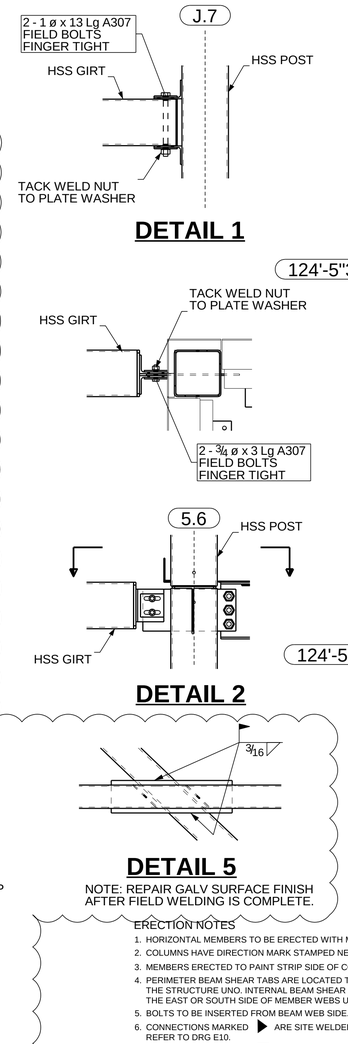


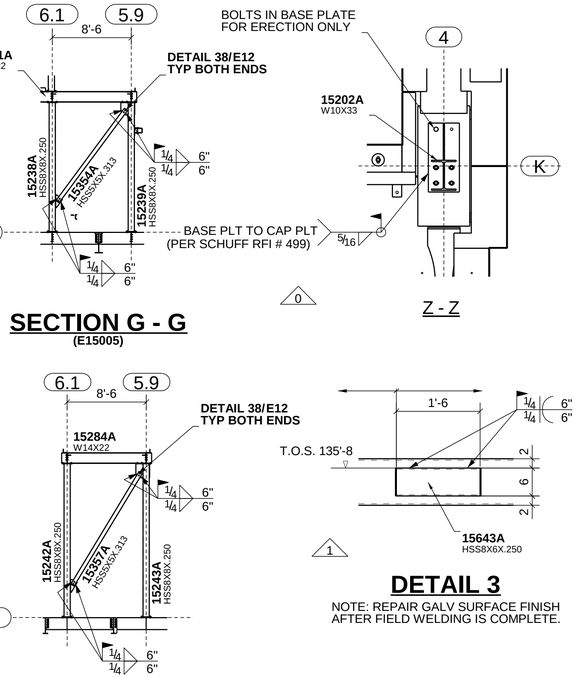
SECTION B - B
(E15005)



SECTION C - C
(E15005)







SECTION G - G
(E15005)

SECTION H - H
(E15005)

DETAIL 3
NOTE: REPAIR GALV SURFACE FINISH
AFTER FIELD WELDING IS COMPLETE.

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	10/13/2010	HSS MEMBERS ADDED (BDS X1.060)
1	07/19/2010	NEW STEELWORK ADDED (BDS X1.048)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9 & S2.10

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 152 - SECTIONS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		152	2

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15006

MODEL NAME: 2302_001_131 PLOTTED: 11:39:22am 10/13/2010

JOB NORTH

NOTE # 1: FIELD WELD SUPPORTING OUTRIGGER MEMBERS ie 15471A PRIOR TO ERECTION OF PERIMETER HSS MEMBERS ie 15485A

NOTE # 2
USE GALVANIZED BOLTS/ NUTS/WASHERS FOR EXPOSED HELIPAD PERIMETER MEMBERS WHICH SUPPORT THE GALVANIZED SAFETY NET.

NOTE # 3
HELIPAD SAFETY FENCE AND ATTACHMENT TO SUPPORT FRAMING STEEL PER DETAIL B1/ S4.2 BY OTHERS.

HELIPAD FRAMING PLAN - SEQ 153
T.O.S. VARIES

MECHANICAL DOGHOUSE FRAMING PLAN - SEQ 153
T.O.S. VARIES

C - C

A - A

B - B

D - D

E - E

F - F

G - G

S - S

"As Built Schuff Steel" 05-10-12

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9

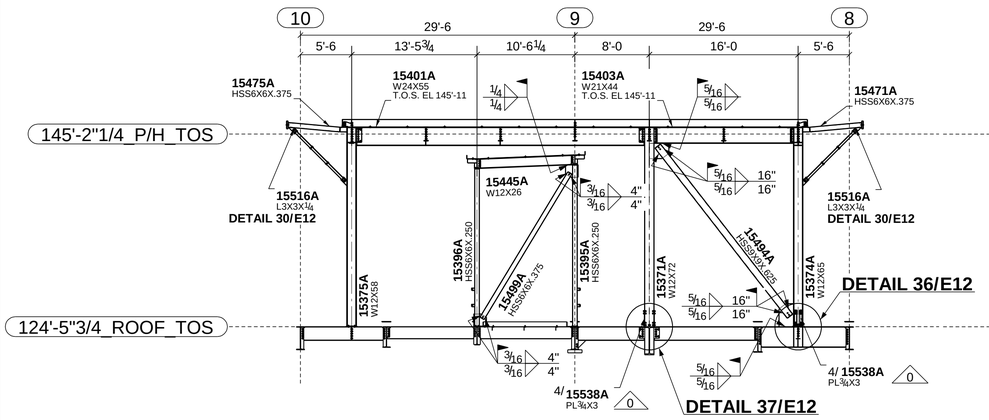
MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 153 - HELIPAD PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

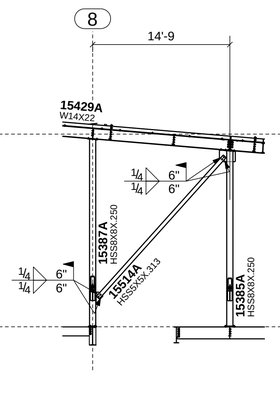
M	C	H	SEQ	REV
	X		153	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15007

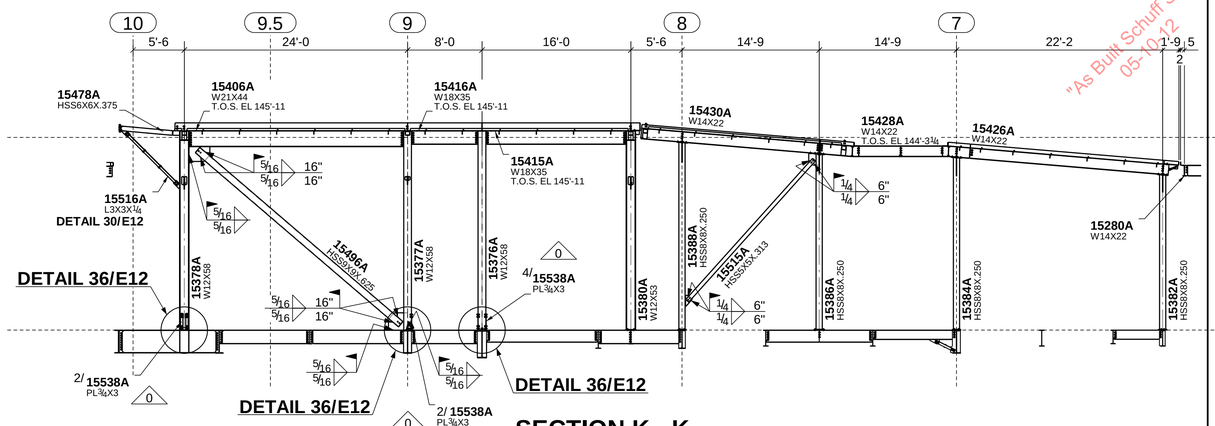
MODEL NAME: 2302_001_131 PLOTTED: 02:56:50pm 04/01/2010



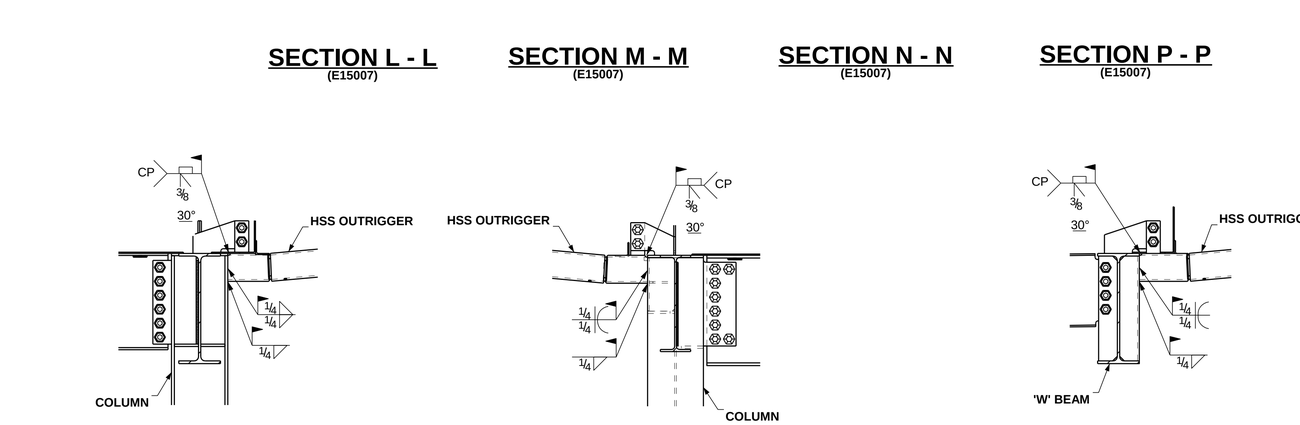
SECTION H - H
(E15007)



SECTION J - J
(E15007)



SECTION K - K
(E15007)

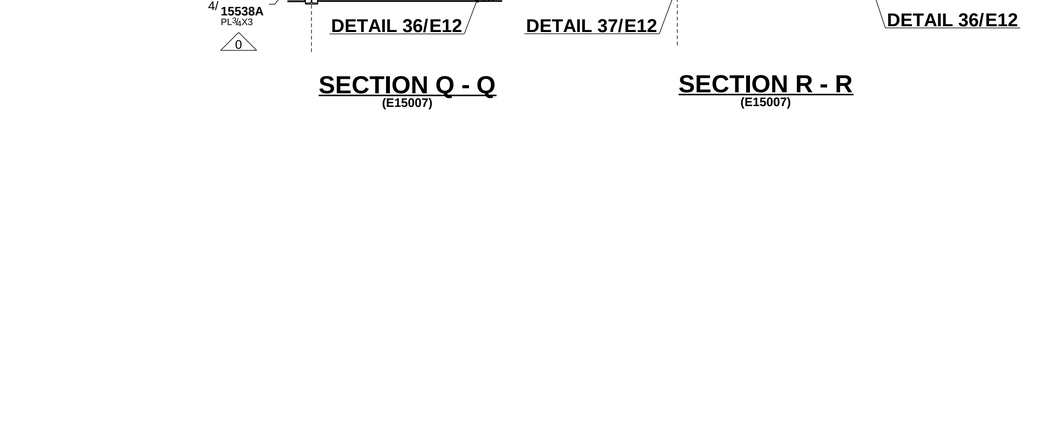


SECTION L - L
(E15007)

SECTION M - M
(E15007)

SECTION N - N
(E15007)

SECTION P - P
(E15007)

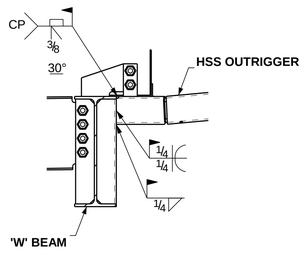


SECTION Q - Q
(E15007)

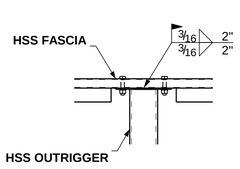
SECTION R - R
(E15007)

DETAIL 1
DETAIL A2/S6.22

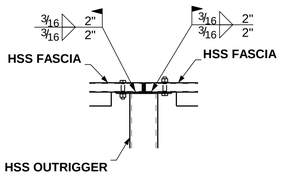
DETAIL 2
DETAIL A4/S6.22



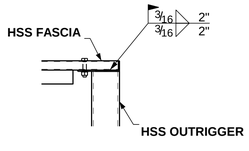
DETAIL 3
DETAIL A5/S6.22



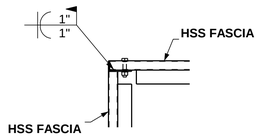
DETAIL 4
DETAIL A1A/S6.22



DETAIL 5
DETAIL A1B/S6.22



DETAIL 6
DETAIL A1C/S6.22



DETAIL 7
DETAIL A1D/S6.22

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 153 - SECTIONS & DETAILS

STRUCTURE: CHOC HOSPITAL

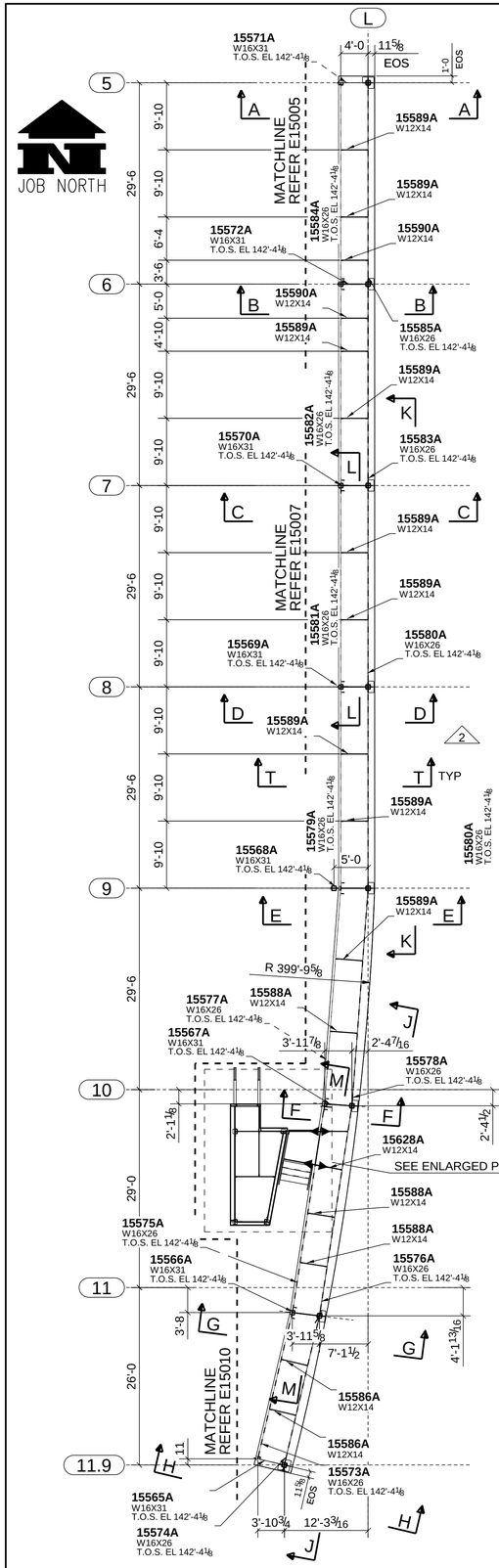
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		153	0

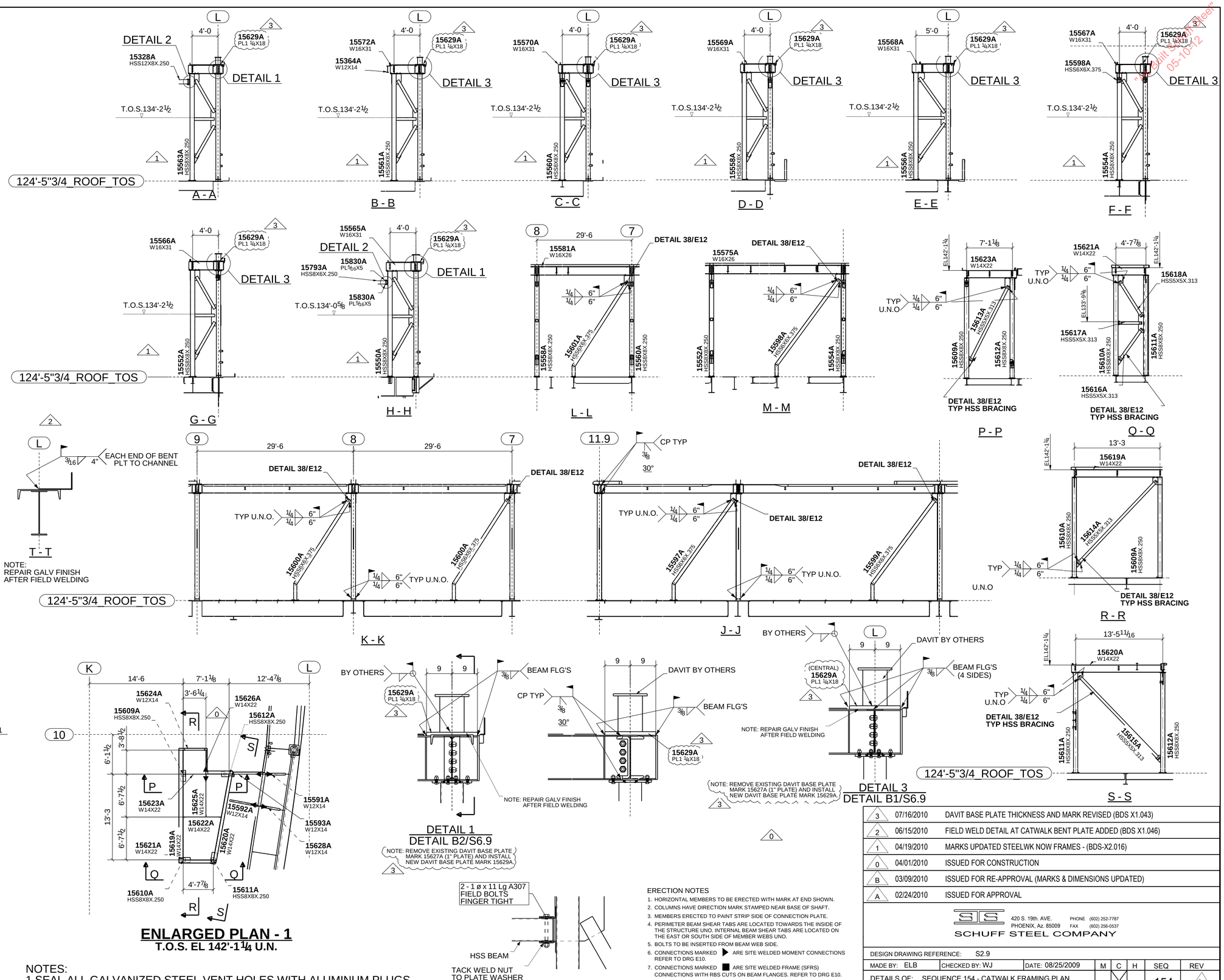
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15008

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 02:57:19pm 04/01/2010



CATWALK FRAMING PLAN - SEQ 154
T.O.S. EL 142'-4 1/2 U.N.



ENLARGED PLAN - 1
T.O.S. EL 142'-1 1/4 U.N.

NOTES:
1.SEAL ALL GALVANIZED STEEL VENT HOLES WITH ALUMINUM PLUGS
2. ALL GALVANIZED STEEL ABOVE SLAB TO BE CONNECTED WITH GALVANIZED BOLTS

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

3	07/16/2010	DAVIT BASE PLATE THICKNESS AND MARK REVISED (BDS X1.043)
2	06/15/2010	FIELD WELD DETAIL AT CATWALK BENT PLATE ADDED (BDS X1.046)
1	04/19/2010	MARKS UPDATED STEELWK NOW FRAMES - (BDS-X2.016)
0	04/01/2010	ISSUED FOR CONSTRUCTION
B	03/09/2010	ISSUED FOR RE-APPROVAL (MARKS & DIMENSIONS UPDATED)
A	02/24/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9

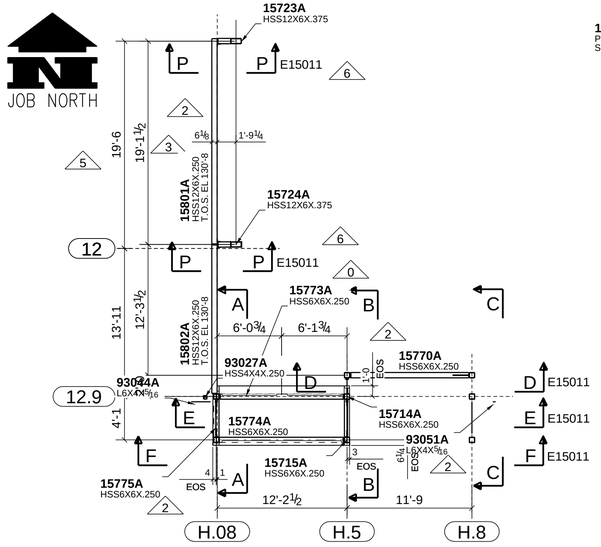
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
ELB	WJ	08/25/2009		X		154	3

DETAILS OF: SEQUENCE 154 - CATWALK FRAMING PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15009

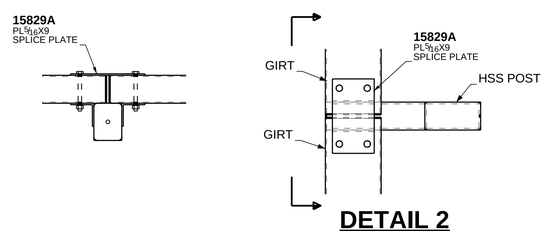
"Issued for Construction" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 02:01:37pm 07/16/2010

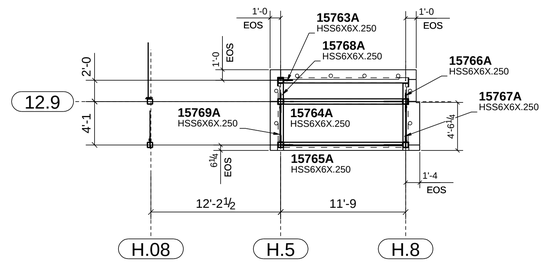


LOW ROOF FRAMING PLAN - SEQ 155

T.O.S. EL 128'-6" U.N.

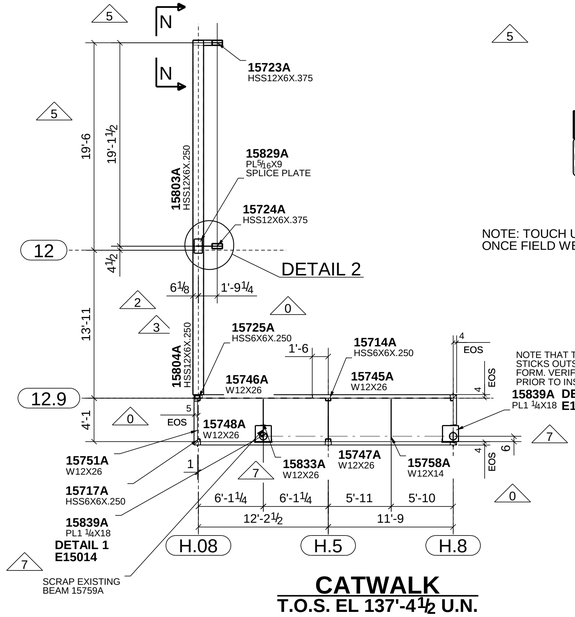


DETAIL 2



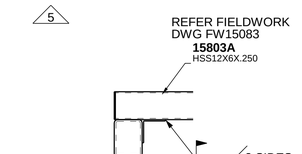
HIGH ROOF FRAMING PLAN - SEQ 155

T.O.S. EL 133'-0" U.N.



CATWALK

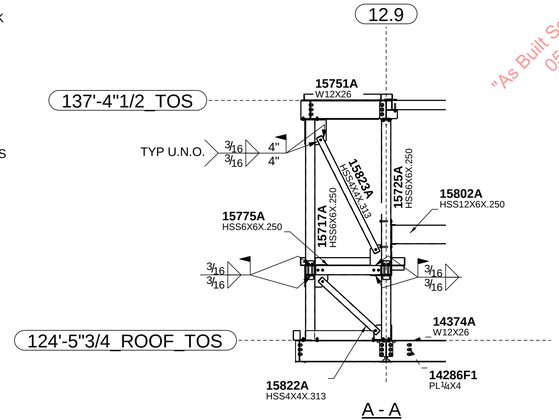
T.O.S. EL 137'-4½ U.N.



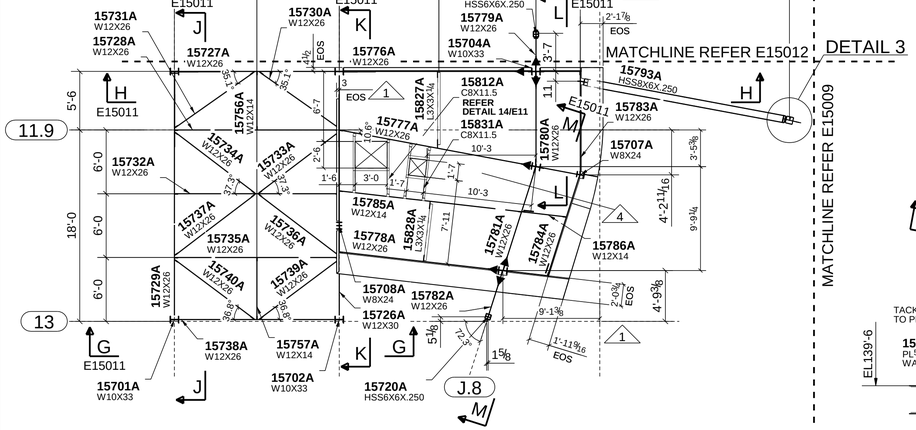
N - N

NOTE: TOUCH UP WITH GALVALOY ONCE FIELD WELDING IS COMPLETE.

NOTE THAT THIS DAVIT BASE PLATE STICKS OUTSIDE THE BENT PLATE EDGE FORM. VERIFY THIS IS ACCEPTABLE PRIOR TO INSTALLING.
15839A DETAIL 2 PL1 ¼X18 **E15014**

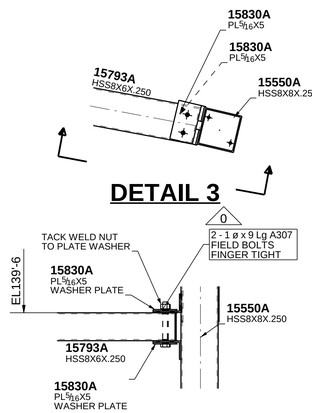


A - A

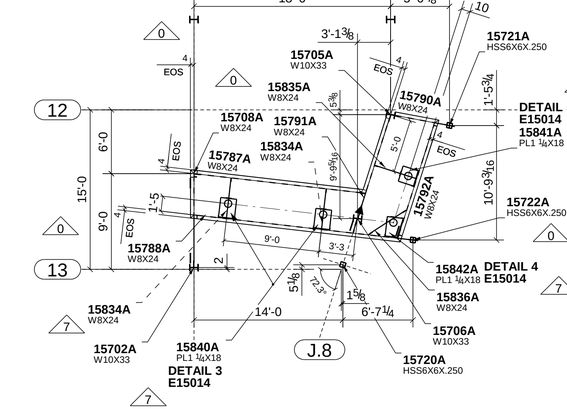


STORAGE ROOM ROOF FRAMING PLAN - SEQ 155

T.O.S. EL 139'-6" U.N.

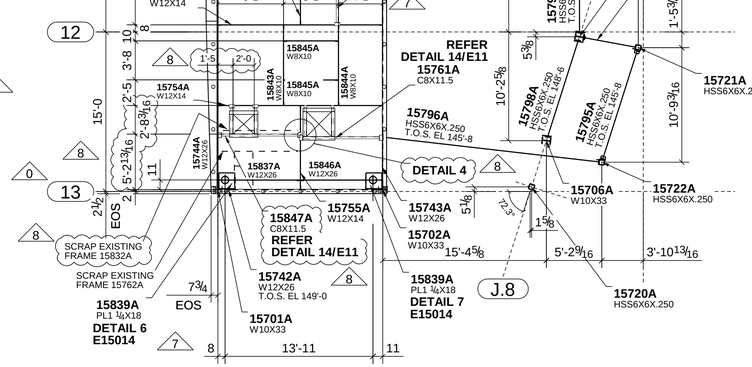


DETAIL 3



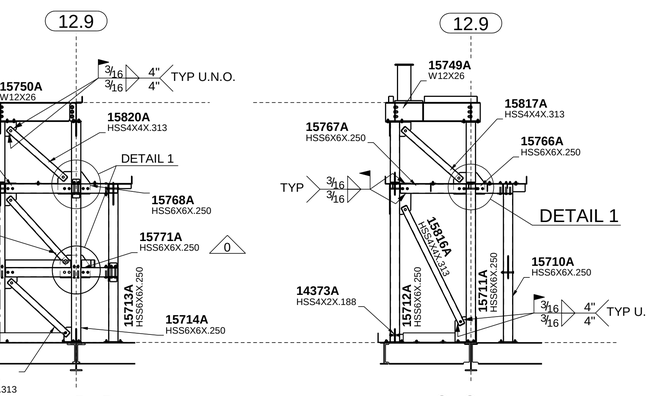
STAIR#2 ROOF FRAMING PLAN - SEQ 155

T.O.S. EL 142'-2½ U.N.



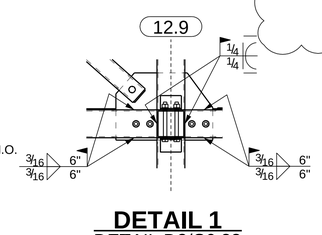
STAIR#2 ROOF FRAMING PLAN - SEQ 155

VARIES



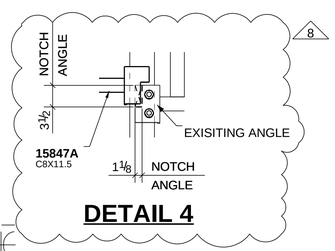
B - B

C - C



DETAIL 1

DETAIL D2/S6.23



DETAIL 4

NOTES:
1.SEAL ALL GALVANIZED STEEL VENT HOLES WITH ALUMINUM PLUGS
2. ALL GALVANIZED STEEL ABOVE SLAB TO BE CONNECTED WITH GALVANIZED BOLTS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

8	12/10/2010	ROOF FRAME REMOVED & NEW FRAME ADDED PER CON RFI # 2097 (BDS X3.059)
7	07/16/2010	DAVIT BASE PLATES & BEAMS ADDED,ROOF FRAME REMOVED & ADDED (BDS X1.043)
6	06/15/2010	SECTION P-P REFERENCE ADDED
5	06/10/2010	POST LOCATION DIMENSION REVISED & DETAIL ADDED (BDS X1.045)
4	06/02/2010	ROOF OPENING FRAME ADDED (BDS X3.047 - MCC RFI # 1137)
3	04/29/2010	HSS SCREEN WALL BEAMS MOVED (BDS RFI# 348, SS#517)
2	04/22/2010	DIMENSIONS ADDED/CHANGED & MOMENT CONN. SYMBOL ADDED
1	04/14/2010	POURSTOP / OPENING FRAME ADDED (BDS RFI#340 / BDS X3.038)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9

MADE BY: ELB | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 155 - STORAGE ROOM ROOF PLAN

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		155	8

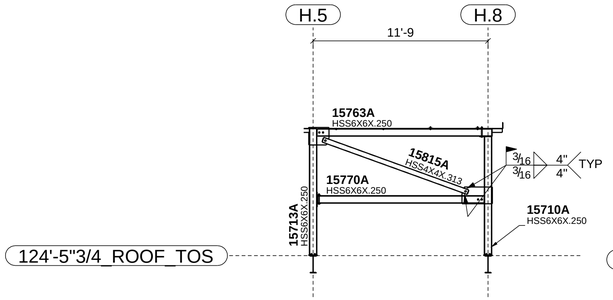
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15010

"As Built Schuff Steel" 05-10-12

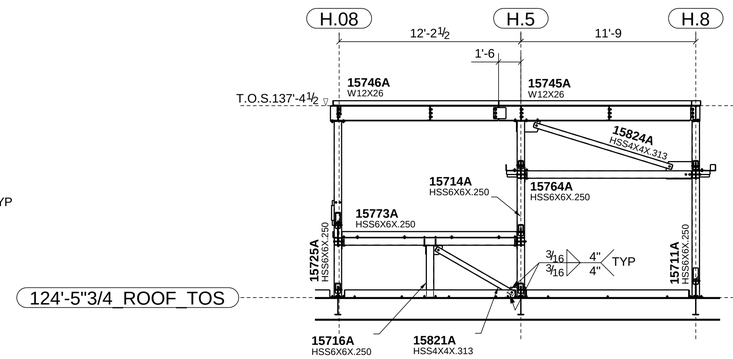
MODEL NAME: 2302_001_151 PLOTTED: 12:00:06pm 12/10/2010

JOB NORTH

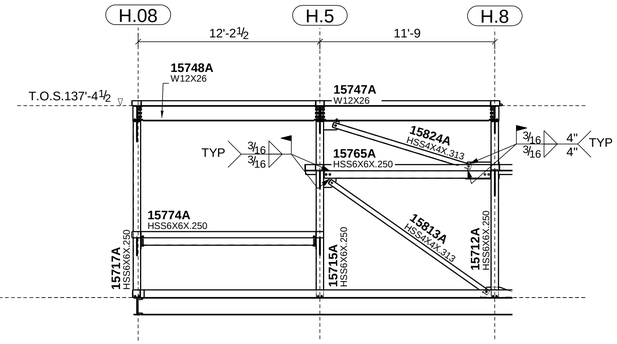
"As Built Schuff Steel" 05-10-12



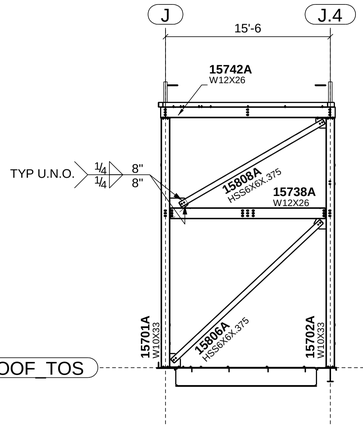
D - D



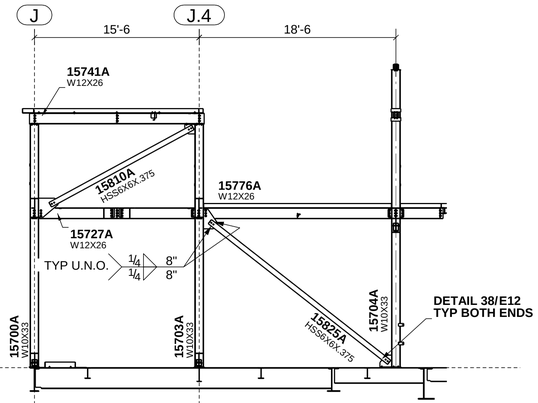
E - E



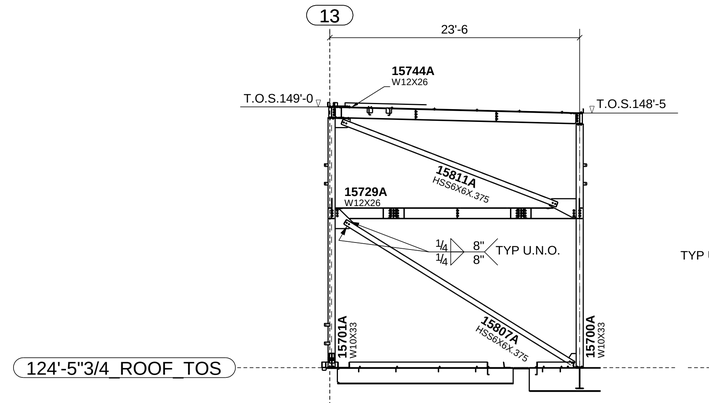
F - F



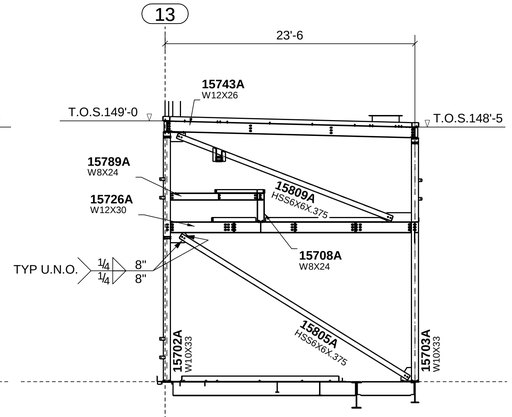
G - G



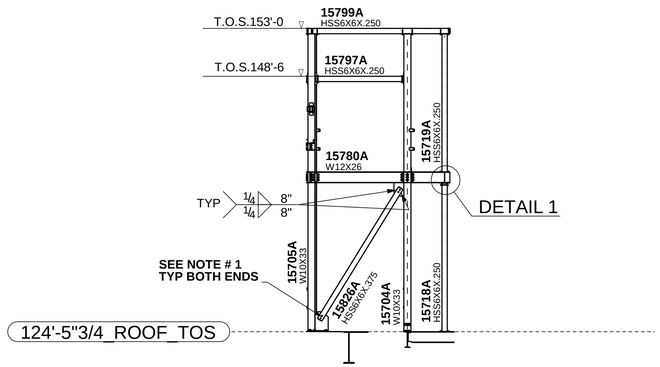
H - H



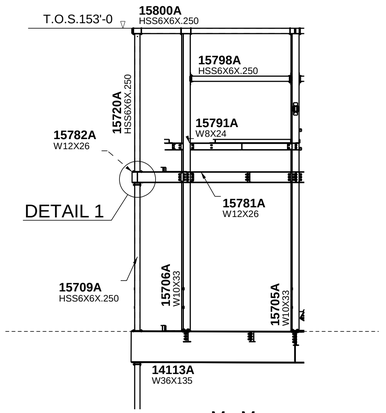
J - J



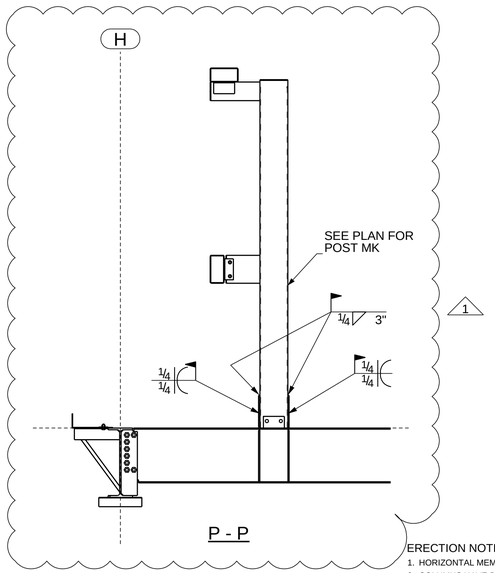
K - K



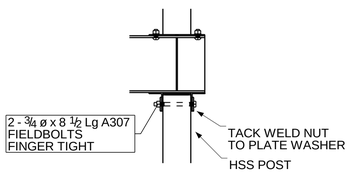
L - L



M - M



P - P



DETAIL 1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	06/15/2010	SECTION P-P ADDED
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9

MADE BY: ELB | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 155 - SECTIONS

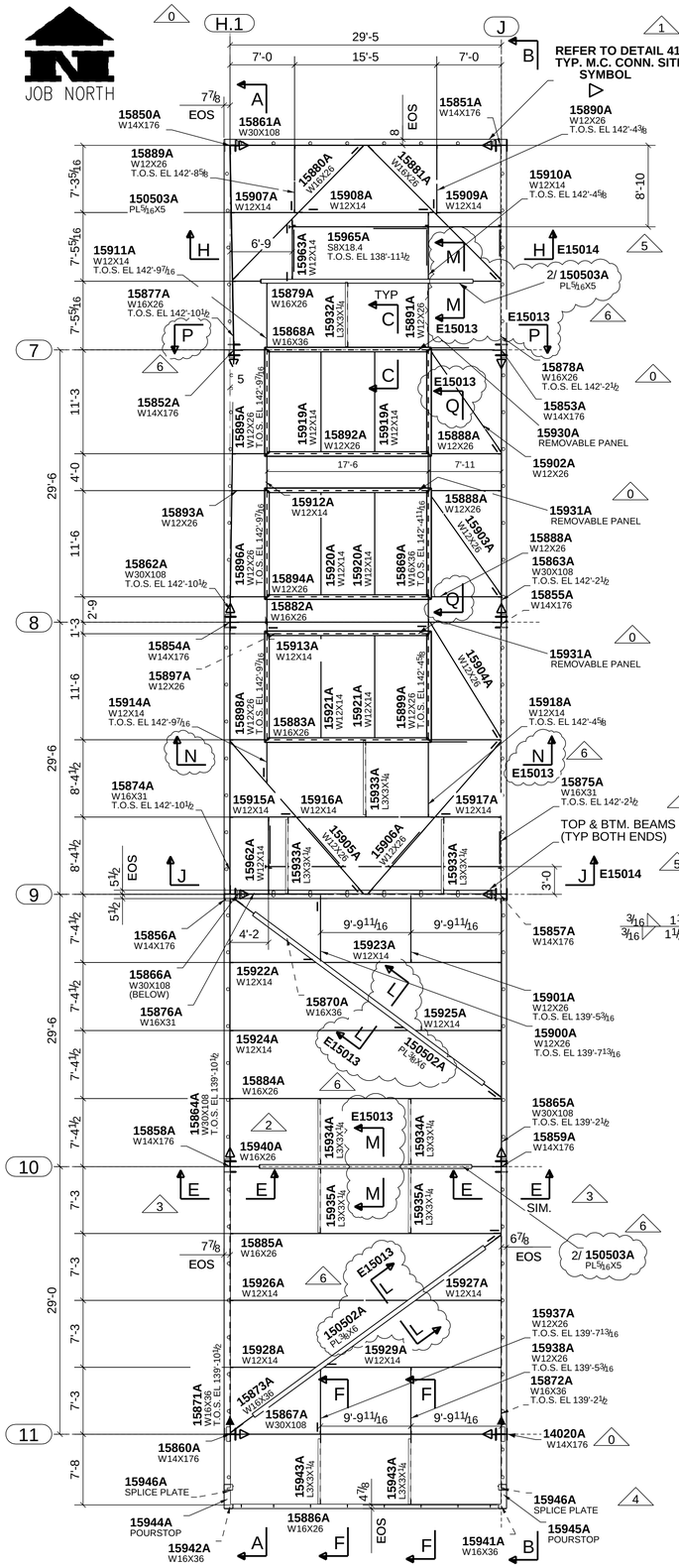
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		155	1

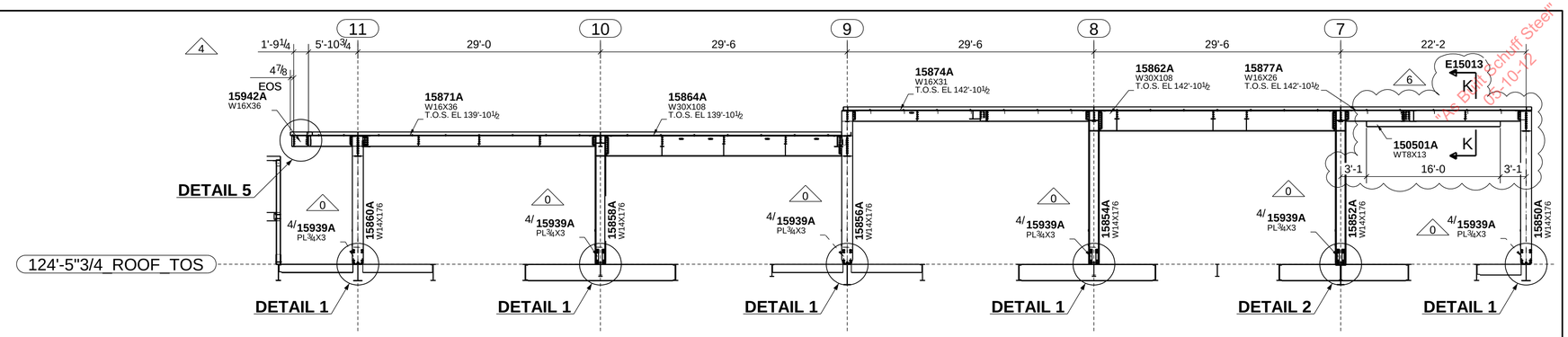
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15011

MODEL NAME: 2302_001_131 PLOTTED: 11:38:05am 06/15/2010

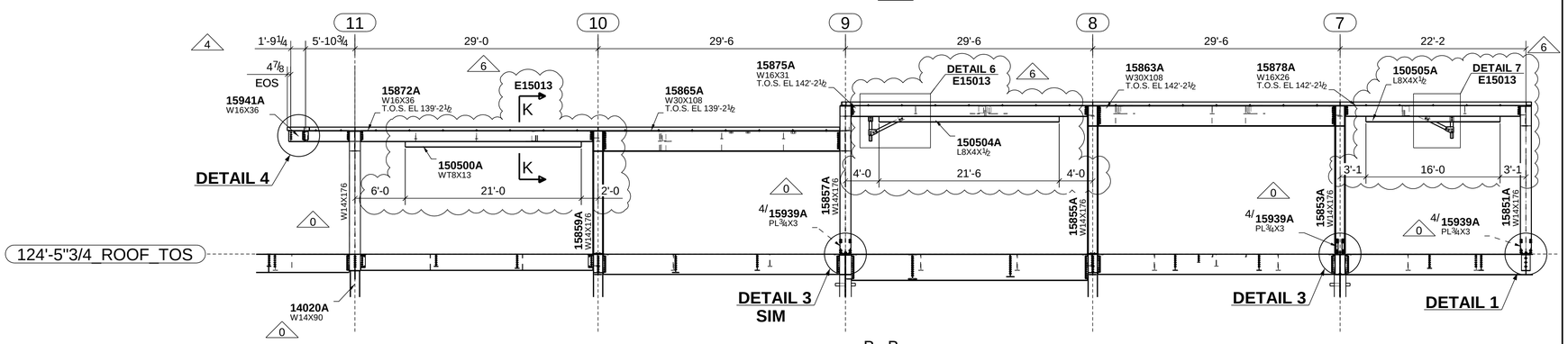


CHILLER AND ELECTRICAL ROOM FRAMING PLAN - SEQ 156

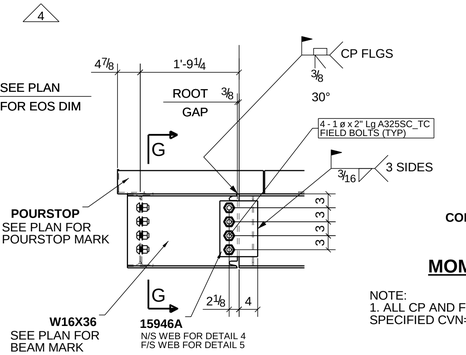
T.O.S. VARIES

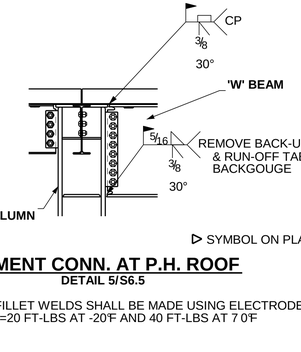


A - A

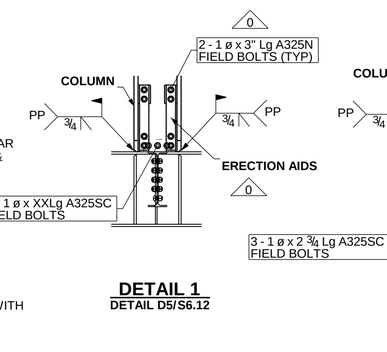


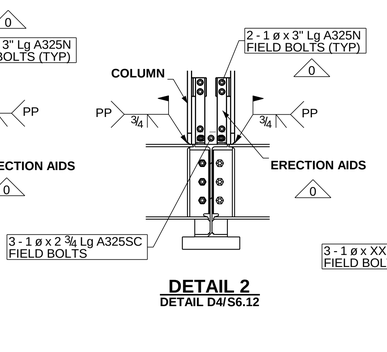
B - B

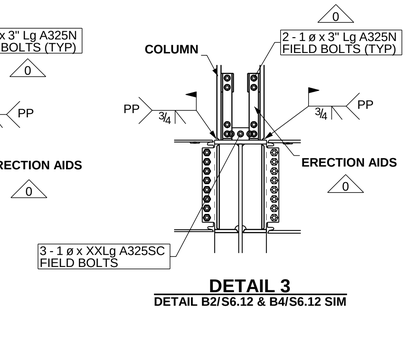


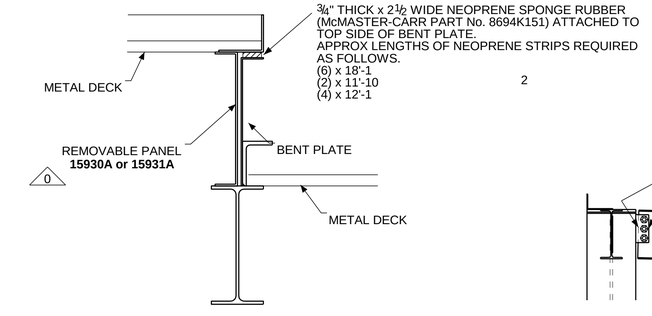


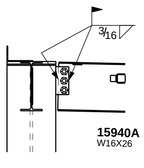
NOTE:
1. ALL CP AND FILLET WELDS SHALL BE MADE USING ELECTRODES WITH SPECIFIED CVN=20 FT-LBS AT -20°F AND 40 FT-LBS AT 70°F

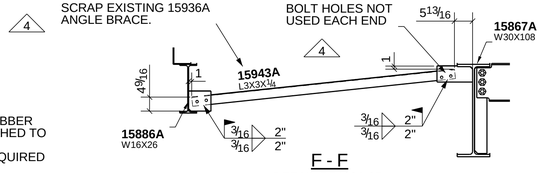












ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

6	12/09/2010	BEAM RE-INFORCING WT, ANGLES AND PLATES ADDED (BDS X1.065, BDS X1.067)
5	07/21/2010	STEEL FRAMING ADDED (BDS X1.051)
4	06/10/2010	ROOF FRAMING REVISED AND FIELD WELD DETAILS ADDED (BDS X1.045)
3	06/04/2010	FIELD WELD DETAIL ADDED PER SS RFI # 615 (BDS X1.041)
2	05/26/2010	BEAM SIZE REVISED (BDS X1.041) AND NEOPRENE SEAL NOTE UPDATED
1	04/22/2010	DETAIL REFERENCE AND NOTE ADDED (SHOP QUERY)
0	04/01/2010	ISSUED FOR CONSTRUCTION
A	02/24/2010	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9

MADE BY: CC | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 156 - CHILLER & ELECTRICAL RM

STRUCTURE: CHOC HOSPITAL

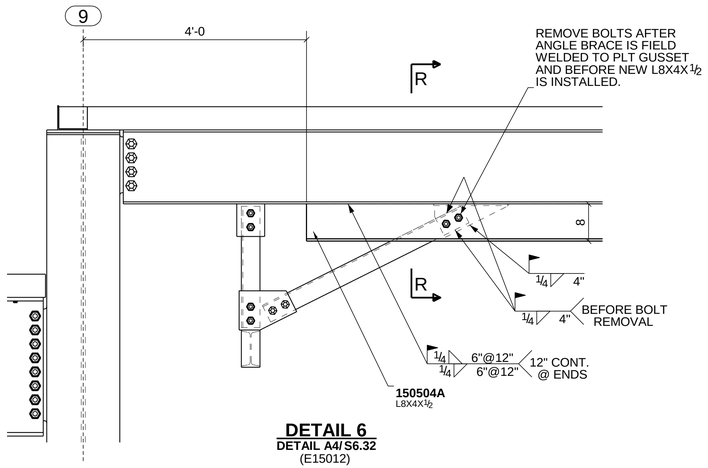
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		156	6

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15012

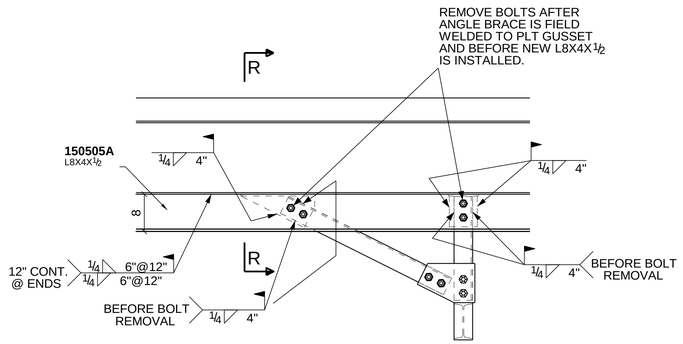
Per Email Schuff Steel 05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 01:06:26pm 12/09/2010

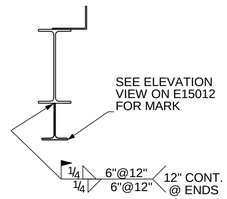


DETAIL 6
DETAIL A4/S6.32
(E15012)

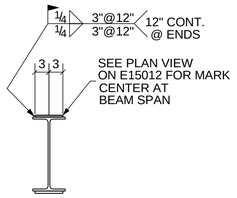
R - R



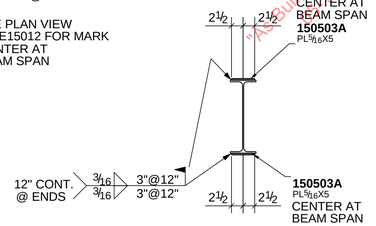
DETAIL 7
DETAIL D4/S6.32
(E15012)



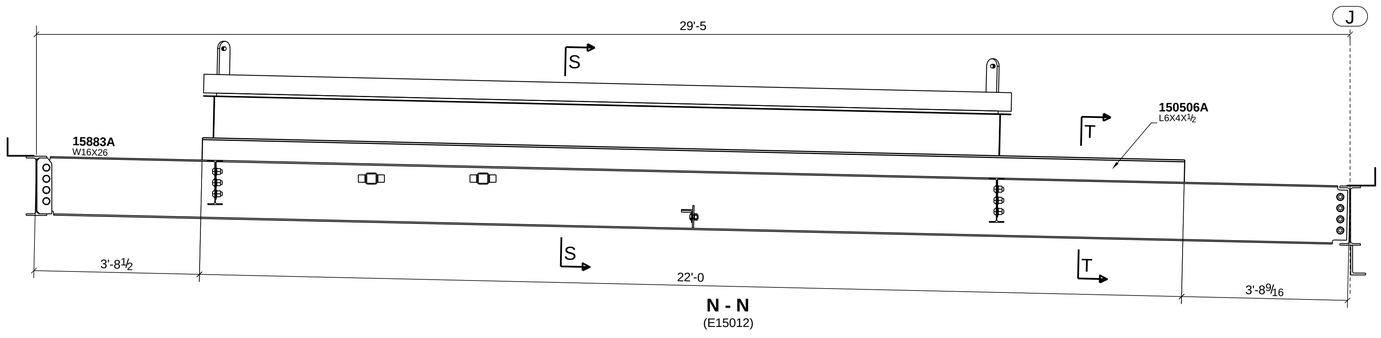
K - K
B1A & B1B/S6.32
(E15012)



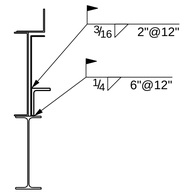
L - L
B5/S6.25
(E15012)



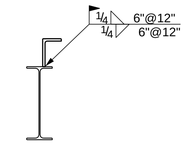
M - M
D1/S6.32
(E15012)



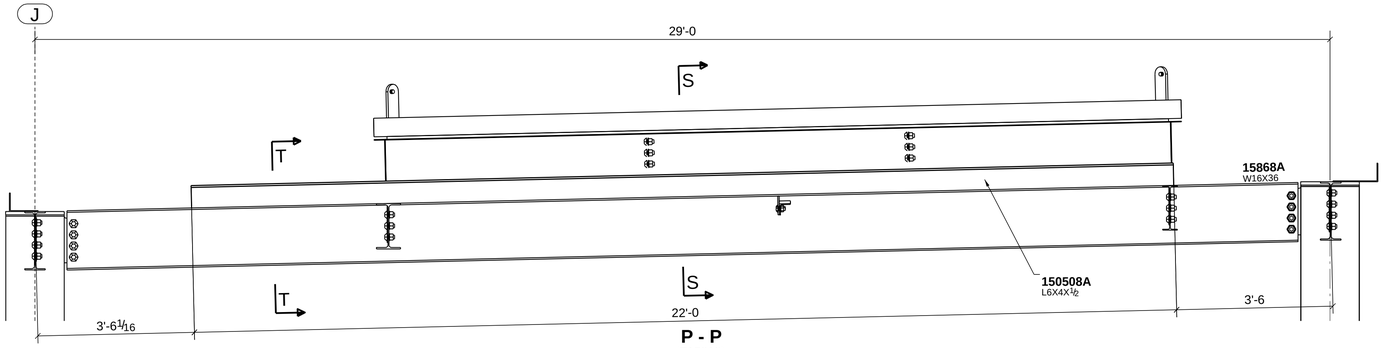
N - N
(E15012)



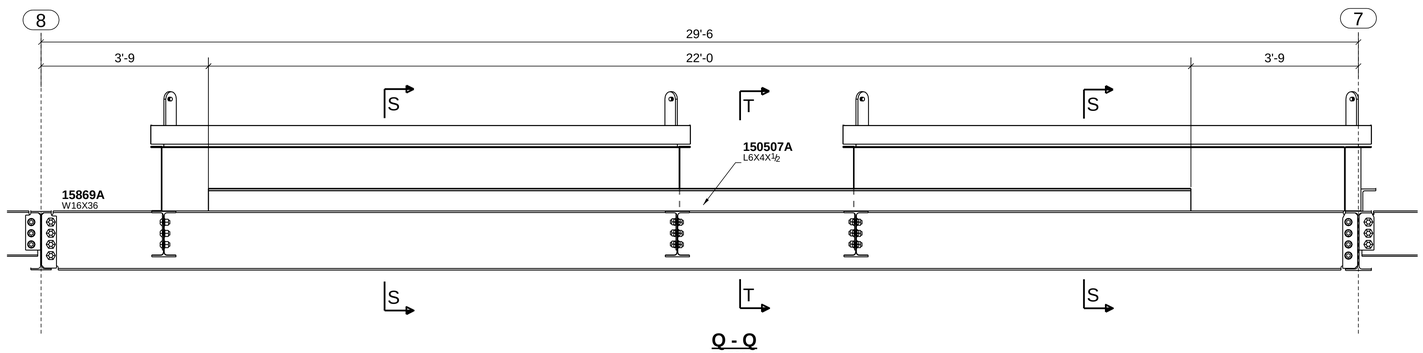
S - S
B2/S6.32



T - T
D2/S6.32



P - P
(E15012)



Q - Q
(E15012)

ERECTION NOTES

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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	12/09/2010	ISSUED FOR CONSTRUCTION (BDS X1.065, BDS X1.067)			

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.8A, S2.9D

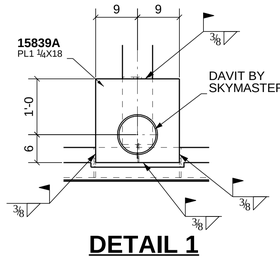
MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 15 - FIELDWORK DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

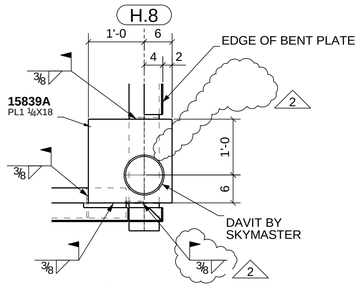
M	C	H	SEQ	REV
	X		15	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15013

AS Built Schuff Steel 01-12

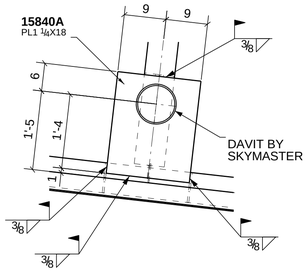


DETAIL 1
(E15010)



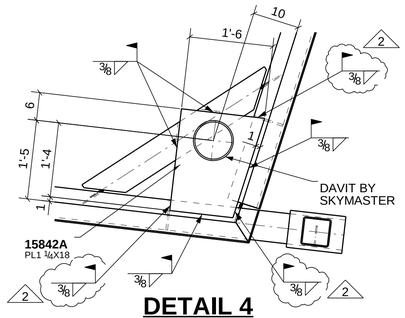
DETAIL 2
(E15010)

NOTE: DAVIT BASE PLATE STICKS OUTSIDE THE BENT PLATE EDGE FORM. EOR & SKYMASTER TO VERIFY THIS DETAIL AS SHOWN IS ACCEPTABLE PRIOR TO INSTALLING DAVIT BASE PLATE.



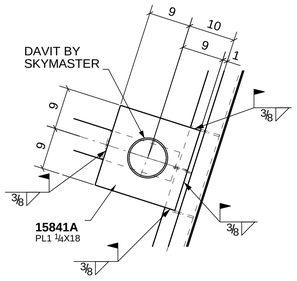
DETAIL 3
(E15010)

NOTE: REPAIR GALV SURFACE FINISH AFTER FIELD WELDING IS COMPLETE.



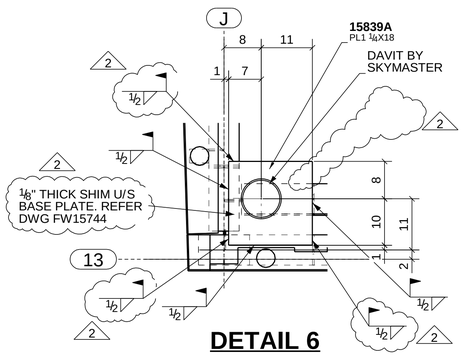
DETAIL 4
(E15010)

NOTE: REPAIR GALV SURFACE FINISH AFTER FIELD WELDING IS COMPLETE.

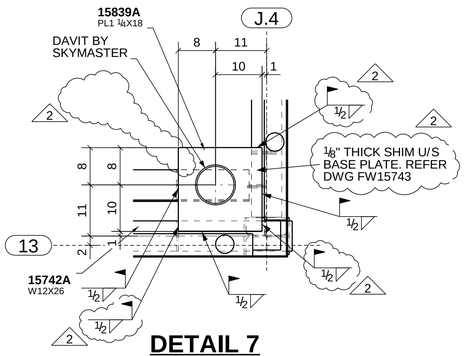


DETAIL 5
(E15010)

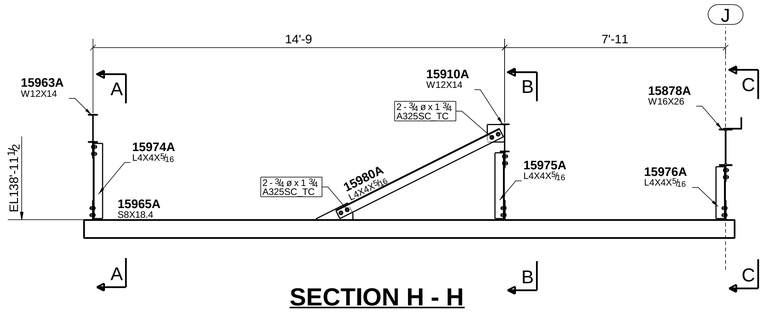
NOTE: REPAIR GALV SURFACE FINISH AFTER FIELD WELDING IS COMPLETE.



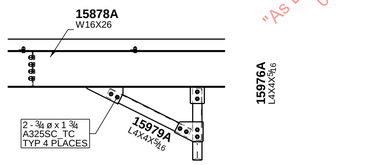
DETAIL 6
(E15010)



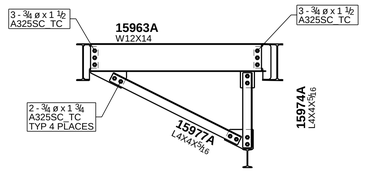
DETAIL 7
(E15010)



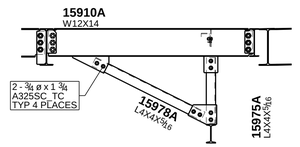
SECTION H - H
(E15012)



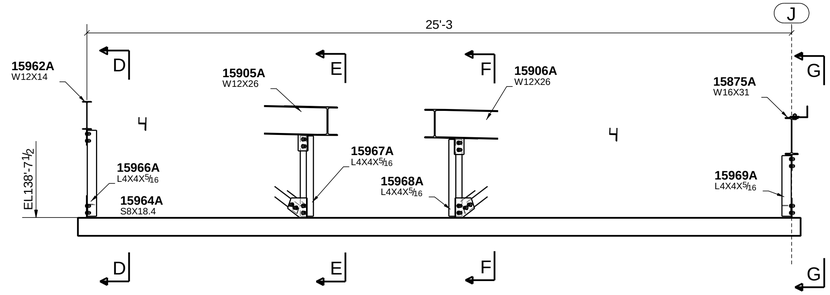
C - C



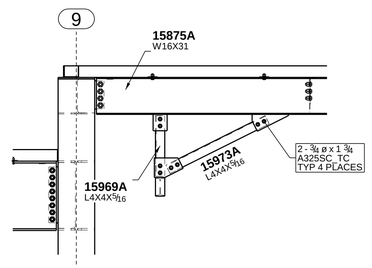
A - A



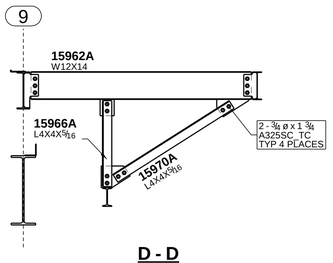
B - B



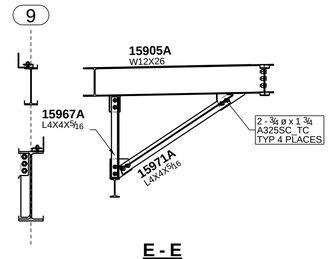
SECTION J - J
(E15012)



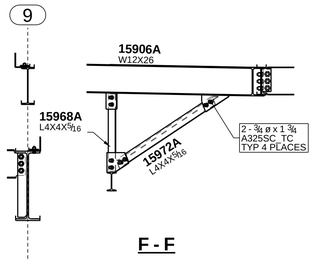
G - G



D - D



E - E



F - F

1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

2	07/27/2010	FIELD WELDS ADDED & REMOVED FROM DAVIT BASE PLATE DETAILS (BDS X1.054)
1	07/21/2010	STEEL FRAMING ADDED (BDS X1.051)
0	07/16/2010	ISSUED FOR CONSTRUCTION (BDS X1.043)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9A

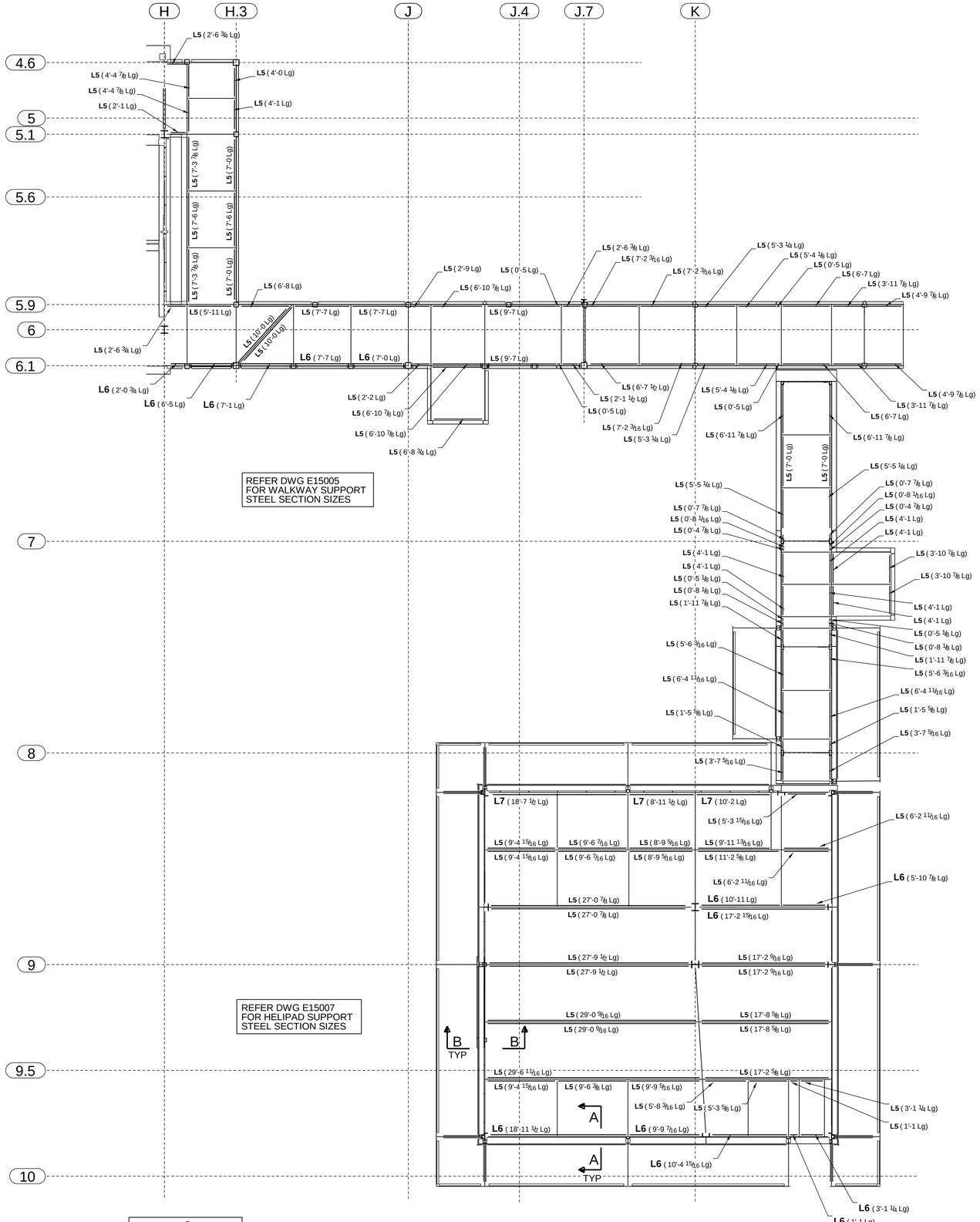
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	BM	08/25/2009		X		15	2

DETAILS OF: SEQUENCE 15 - DAVIT BASE PLATE DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

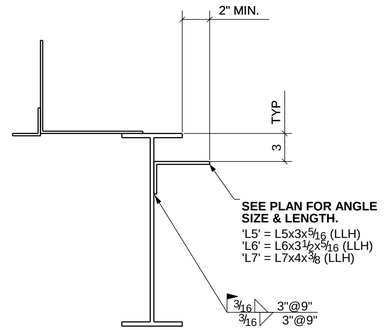
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15014

"As Built Schuff Steel" 05-10-12

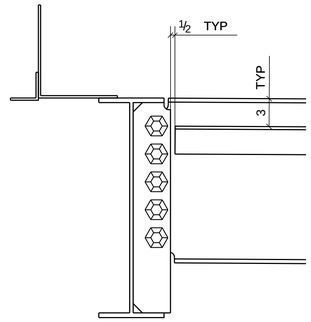
MODEL NAME: 2302_001_131 PLOTTED: 10-12-43am 07/28/2010



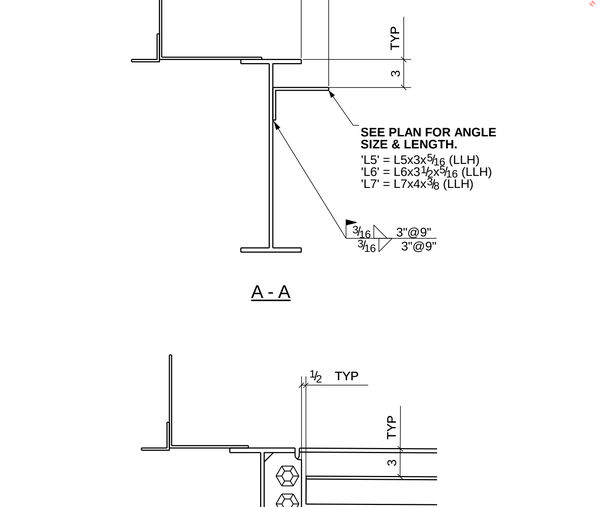
HELIPAD & WALKWAY SLAB SUPPORT PLAN
T.O.S. VARIES



A - A



B - B



EXTERIOR STAIR LANDING PLAN
T.O.S. 142'-1 1/4

ERECTION NOTES
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2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	09/10/2010	ANGLES ADDED TO EXTERIOR STAIR LANDING PER MCC RFI # 2148
0	08/24/2010	ISSUED FOR CONSTRUCTION (BDS X1.057)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.13

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	BM	08/25/2009				15	1

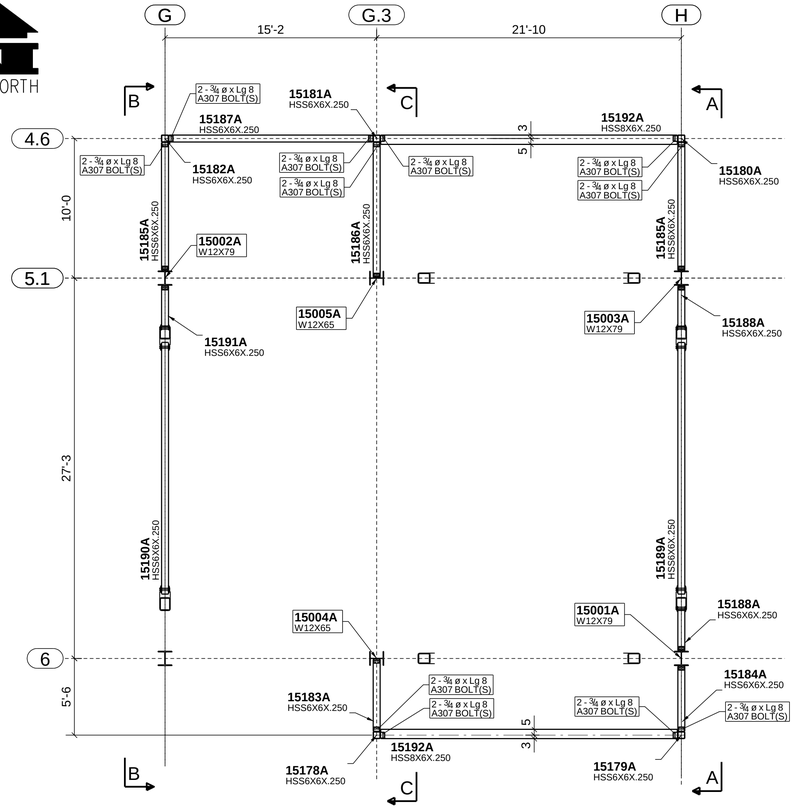
DETAILS OF: SEQUENCE 15 - HELIPORT / WALKWAY SLAB SUPPORTS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15015

"As Built Schuff Steel" 05-10-12

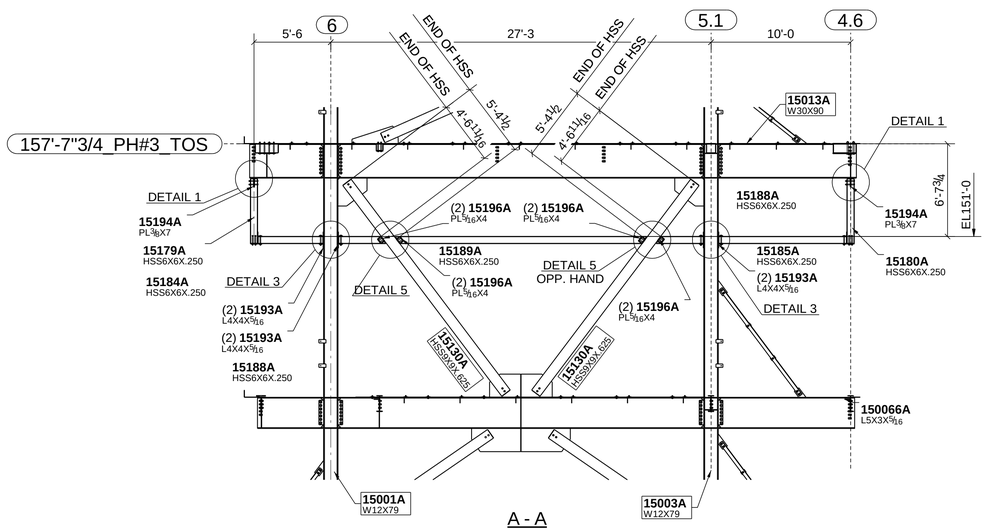
MODEL NAME: 2302_001_131 PLOTTED: 01:30:16pm 09/10/2010

JOB NORTH



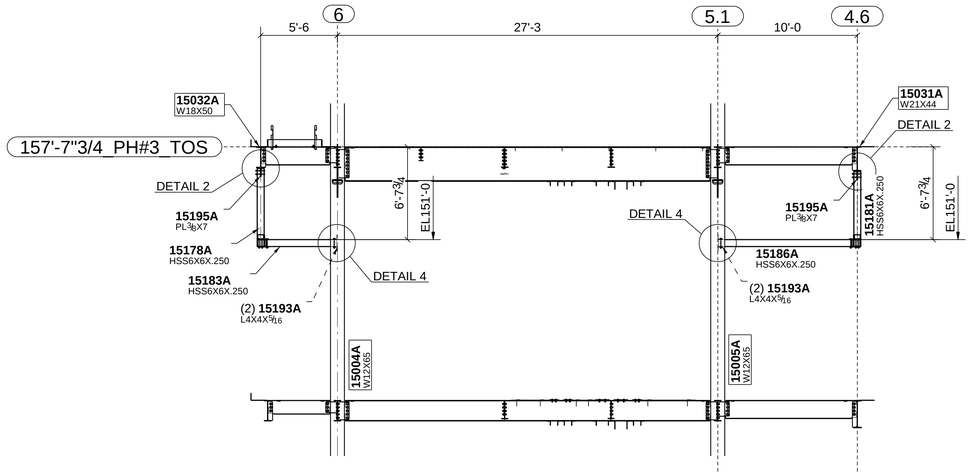
GIRT PLAN BELOW ELEV P.H. 3 - SEQ 151

T.O.S. EL 151'-0" U.N.

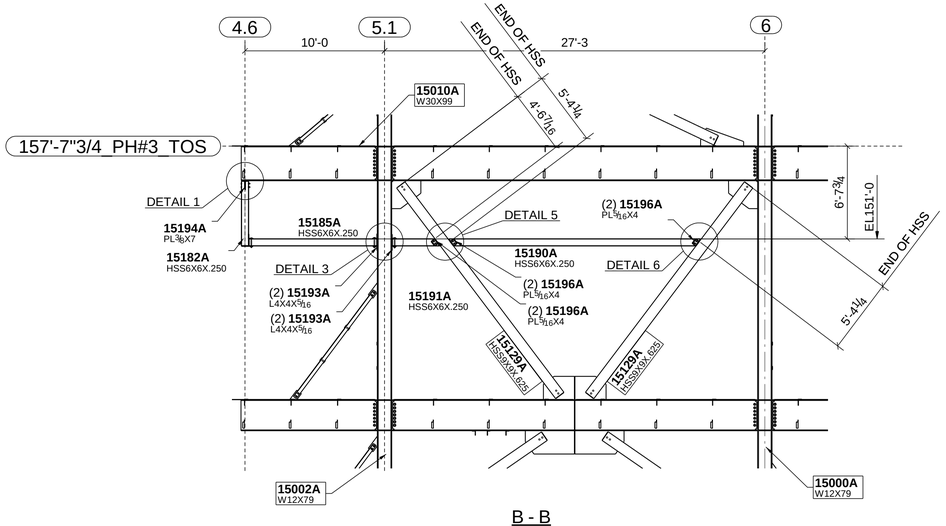


A - A

NOTE: DIMENSIONS SHOWN NOTED TO "END OF HSS" BRACING ARE TO THE END OF THE CUT HSS NOT END CAPPING PLATE.

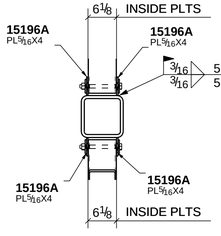


C - C

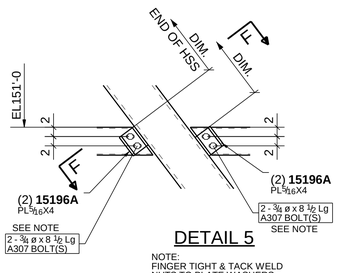


B - B

NOTE: DIMENSIONS SHOWN NOTED TO "END OF HSS" BRACING ARE TO THE END OF THE CUT HSS NOT END CAPPING PLATE.



F - F

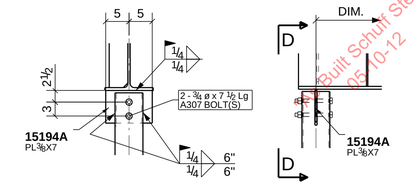


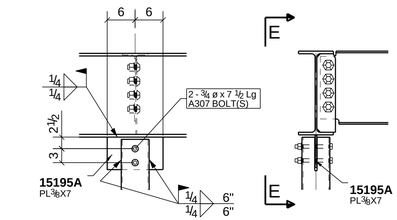
DETAIL 5

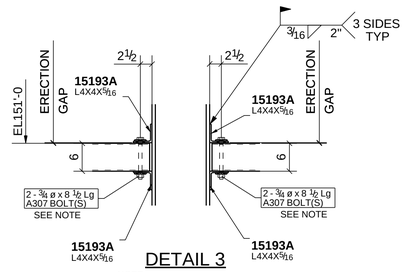
NOTE:
FINGER TIGHT & TACK WELD NUTS TO PLATE WASHERS. DAMAGE THREADS.

ERECTION NOTES

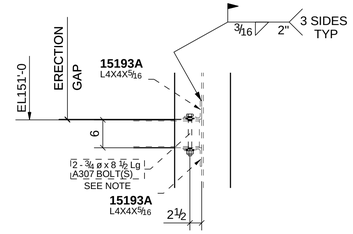
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11



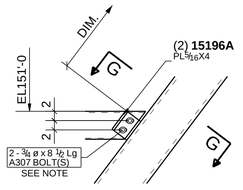




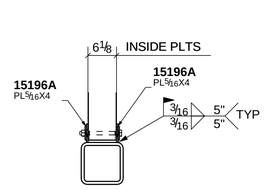
NOTE:
FINGER TIGHT & TACK WELD NUTS TO PLATE WASHERS. DAMAGE THREADS.



NOTE:
FINGER TIGHT & TACK WELD NUTS TO PLATE WASHERS. DAMAGE THREADS.



NOTE:
FINGER TIGHT & TACK WELD NUTS TO PLATE WASHERS. DAMAGE THREADS.



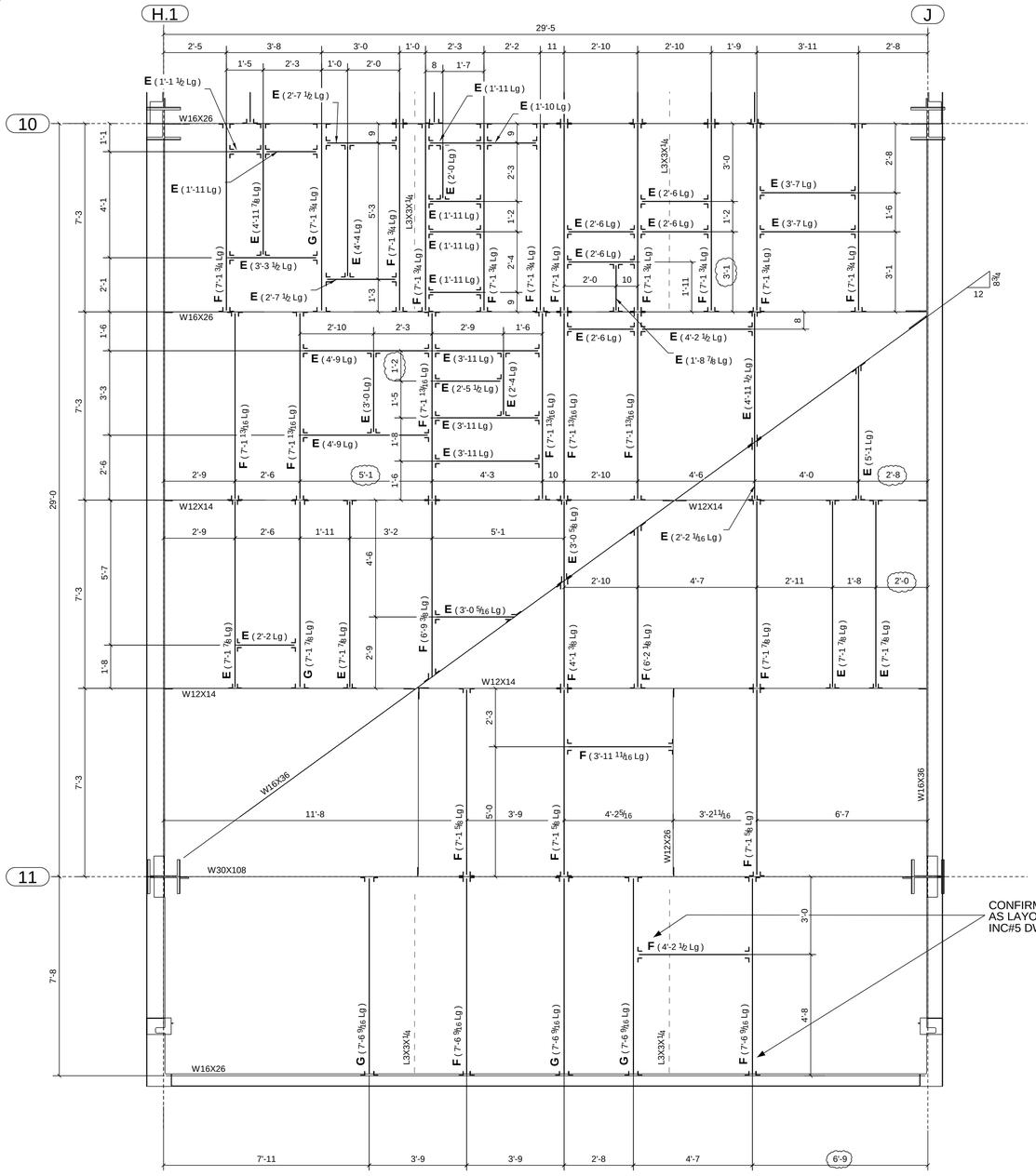
0	10/13/2010	ISSUED FOR CONSTRUCTION (BDS X1.060)			

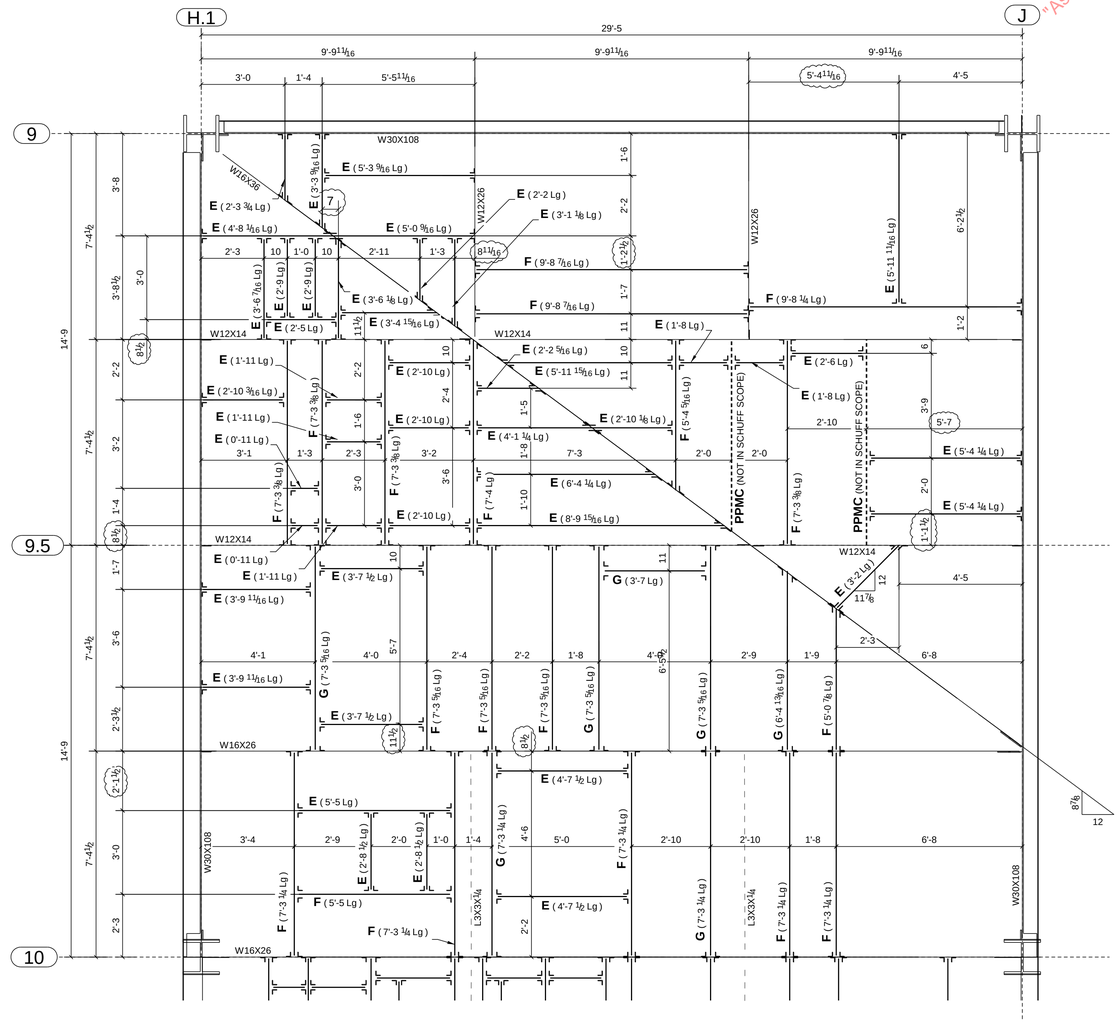
SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.10A						
MADE BY: BM	CHECKED BY: BM	DATE: 08/25/2009	M	C	H	SEQ: 15 / REV: 0
DETAILS OF: SEQUENCE 15 - GIRT PLAN BELOW P.H. # 3						
STRUCTURE: CHOC HOSPITAL						
LOCATION: TOWER II			JOB NUMBER: 2802	FAB: SS	SHEET NUMBER: E15016	

MODEL NAME: 2302_001_131 PLOTTED: 11:38:13am 10/13/2010

JOB NORTH





ELECTRICAL ROOM ROOF FRAMING PLAN - SEQ 156

T.O.S. VARIES

E = HSS2x2x¼ (REFER DETAIL D2/S6.30)
F = HSS3x3x¼ (REFER DETAIL B2/S6.30)
G = HSS5x4x¼ (REFER DETAIL D4/S6.30)

NOTES:
1. ALL HSS MEMBER LENGTHS SHOWN ARE CALCULATED USING A ½ CUT BACK FROM THE FACE OF THE SUPPORTING MEMBER WEB OR HSS.
2. DIMENSIONS CLOUDED DIFFER TO THOSE SHOWN ON BERG DWG ES1.9 DUE TO ROUNDING OF DIMENSIONS ON BERG DWG ES1.9. FIELD TO VERIFY ALL DIMENSIONS PRIOR TO INSTALLING STEELWORK.

READ IN CONJUNCTION WITH INC#5 DWG S-2.9.0 (OSHPD CO#91) AND BERG DWG ES1.9 (11/24/10)

ELECTRICAL ROOM ROOF FRAMING PLAN - SEQ 156

T.O.S. VARIES

E = HSS2x2x¼ (REFER DETAIL D2/S6.30)
F = HSS3x3x¼ (REFER DETAIL B2/S6.30)
G = HSS5x4x¼ (REFER DETAIL D4/S6.30)

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

0	12/07/2010	ISSUED FOR CONSTRUCTION (BDS X1.065)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009 PHONE (602) 252-7787 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.9.0 (INC#5) & BERG ES1.9

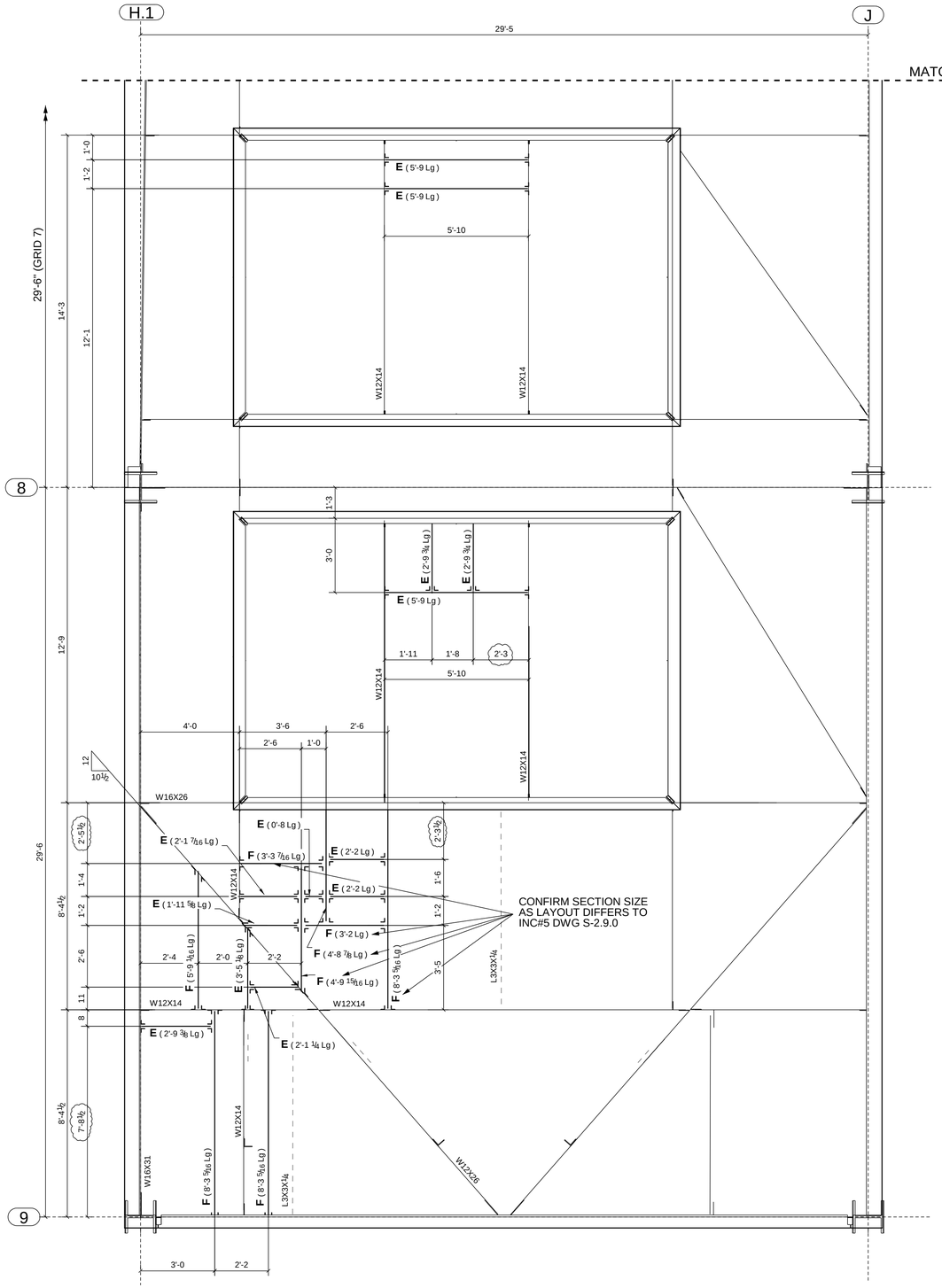
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	BM	08/25/2009		X		15	0

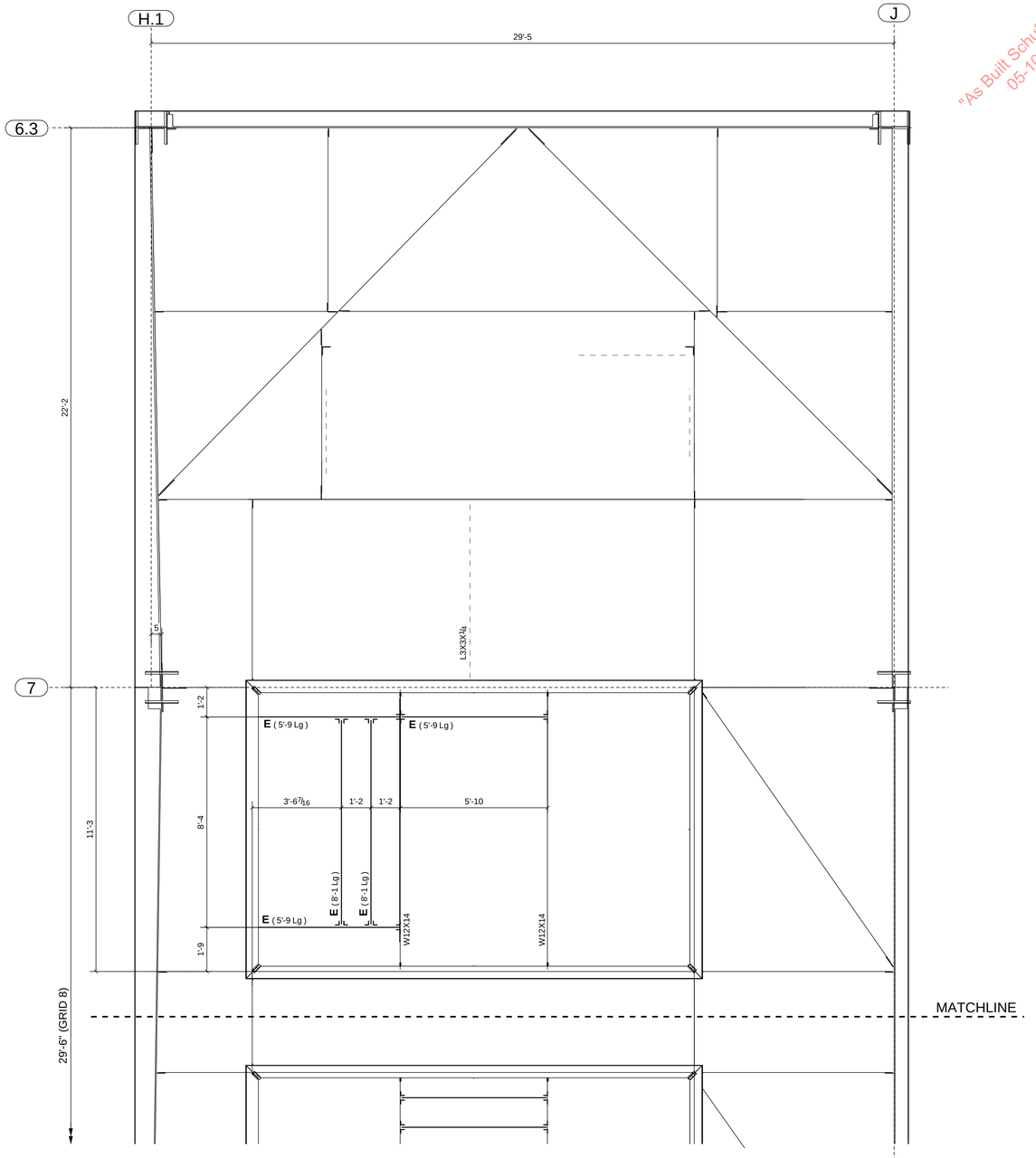
DETAILS OF: ELECTRICAL ROOM SUPPLEMENTAL STEELWORK
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15017

MODEL NAME: 2302_001_131 PLOTTED: 01:37:07pm 12/07/2010

JOB NORTH





"As Built Schuff Steel"
05-10-12

CHILLER ROOM ROOF FRAMING PLAN - SEQ 156

T.O.S. VARIES

E = HSS2x2x1/4 (REFER DETAIL D2/S6.30)
F = HSS3x3x1/4 (REFER DETAIL B2/S6.30)
G = HSS5x4x1/4 (REFER DETAIL D4/S6.30)

NOTES:
1. ALL HSS MEMBER LENGTHS SHOWN ARE CALCULATED USING A 1/2 CUT BACK FROM THE FACE OF THE SUPPORTING MEMBER WEB OR HSS.
2. DIMENSIONS CLOUDED DIFFER TO THOSE SHOWN ON BERG DWG ES1.9 DUE TO ROUNDING OF DIMENSIONS ON BERG DWG ES1.9. FIELD TO VERIFY ALL DIMENSIONS PRIOR TO INSTALLING STEELWORK.

CHILLER ROOM ROOF FRAMING PLAN - SEQ 156

T.O.S. VARIES

E = HSS2x2x1/4 (REFER DETAIL D2/S6.30)
F = HSS3x3x1/4 (REFER DETAIL B2/S6.30)
G = HSS5x4x1/4 (REFER DETAIL D4/S6.30)

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

READ IN CONJUNCTION WITH INC#5 DWG S-2.9.0 (OSHPD CO#91) AND BERG DWG ES1.9 (11/24/10)

0	12/07/2010	ISSUED FOR CONSTRUCTION (BDS X1.065)			

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.9.0 (INC#5) & BERG ES1.9

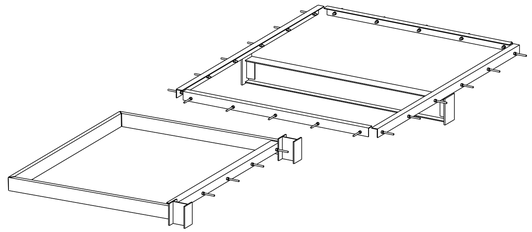
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	BM	08/25/2009		X		15	0

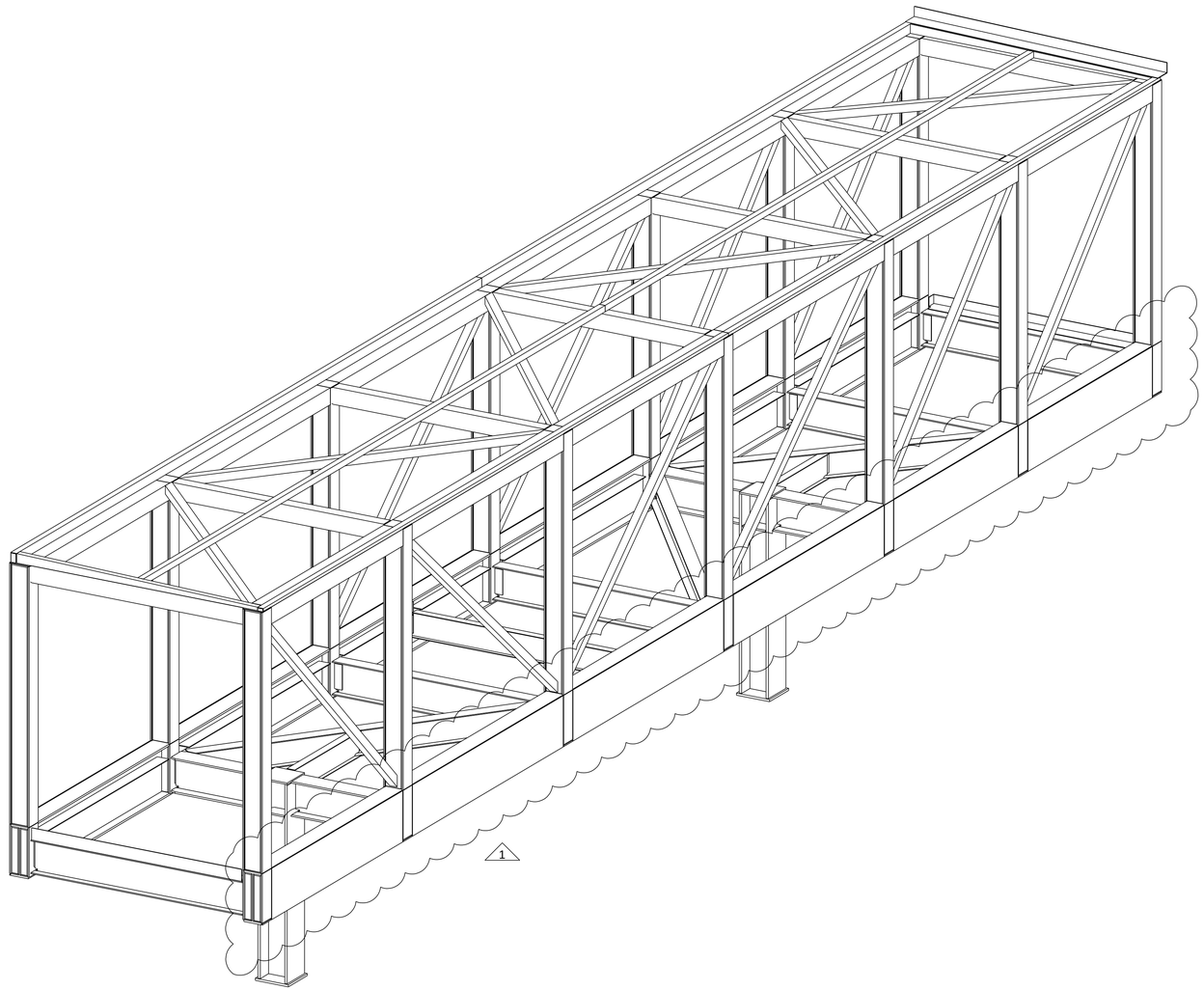
DETAILS OF: CHILLER ROOM SUPPLEMENTAL STEELWORK
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E15018

MODEL NAME: 2302_001_131 PLOTTED: 01:36:56pm 12/07/2010

"As Built Schuff Steel"
05-10-12





SEQUENCE 16 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	09/16/2011	SKIRT PLATES ADDED
0	06/16/2011	ISSUED FOR CONSTRUCTION
A	05/09/2011	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2

MADE BY: LM | CHECKED BY: BM | DATE: 08/25/2009

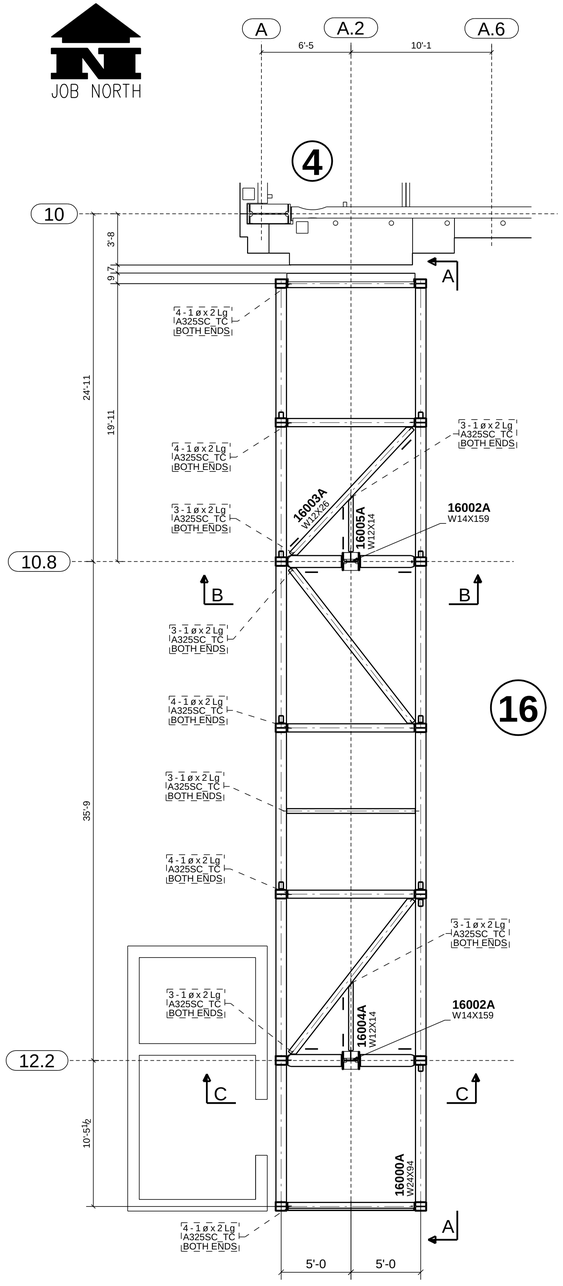
DETAILS OF: SEQUENCE 16 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		16	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E16000

MODEL NAME: 2302_001_131 PLOTTED: 11:13:14am 09/16/2011

JOB NORTH



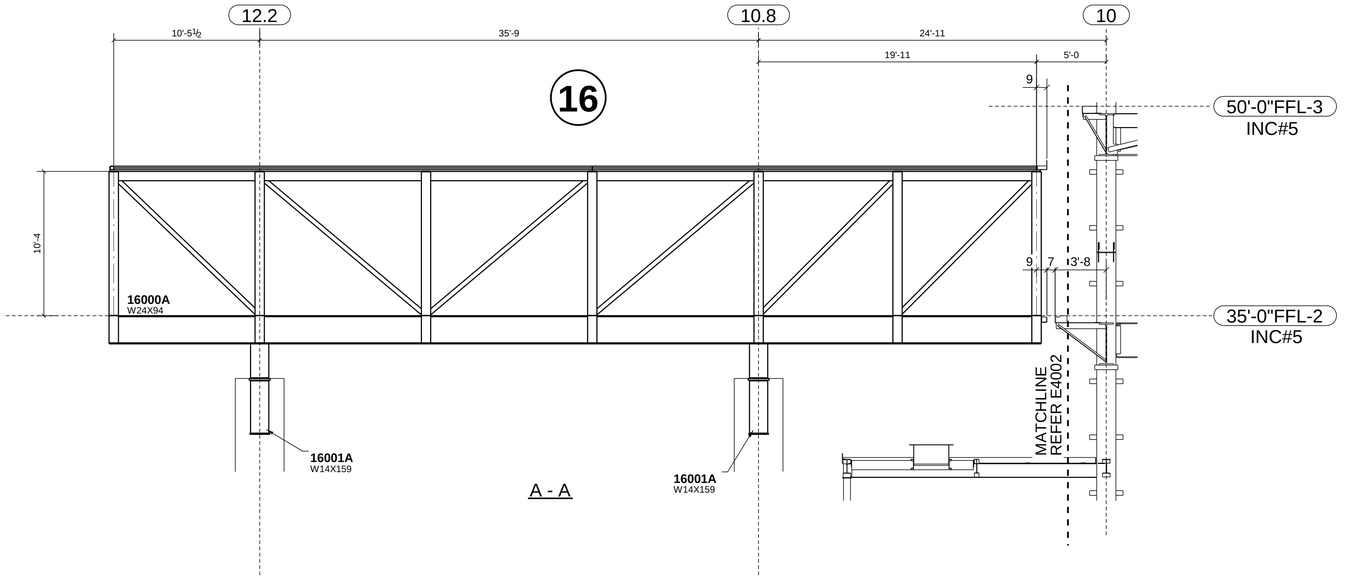
16

GARAGE BRIDGE FRAMING PLAN - SEQ 16

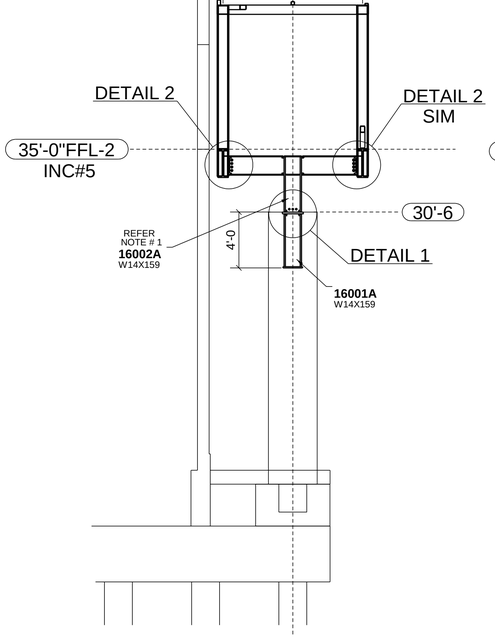
LEVEL 2 - INC#5 TOWER
LEVEL 3 - INC#10 GARAGE

0

BRIDGE STEELWORK AESS

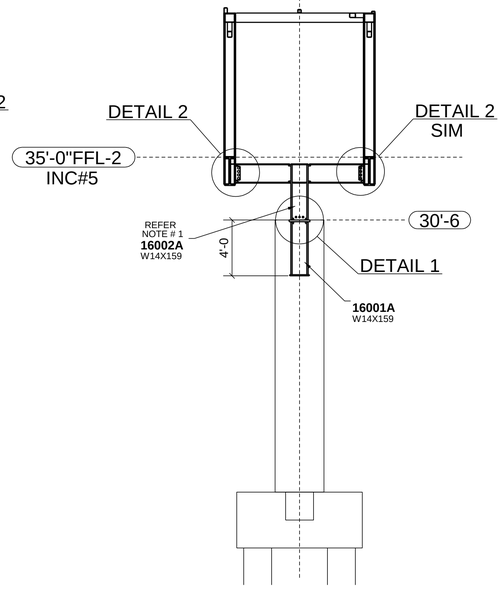


A - A



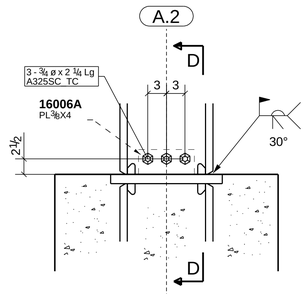
C - C

NOTE # 1
FIELD BOLT AND WELD TO FRAME
16000A PRIOR TO ERECTING 16000A



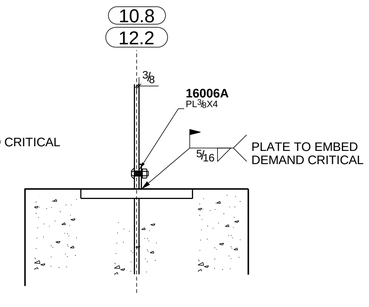
B - B

NOTE # 1
FIELD BOLT AND WELD TO FRAME
16000A PRIOR TO ERECTING 16000A



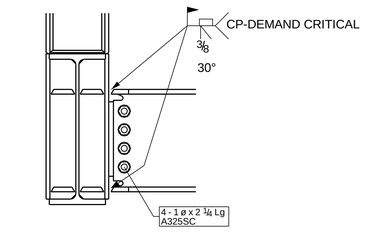
DETAIL 1

NOTE:
WELDS SHALL BE MADE WITH ELECTRODES WITH SPECIFIED CVN=20 FT-LBS AT -20°F AND 40 FT-LBS AT 70°F.



D - D

NOTE:
WELDS SHALL BE MADE WITH ELECTRODES WITH SPECIFIED CVN=20 FT-LBS AT -20°F AND 40 FT-LBS AT 70°F.



DETAIL 2

NOTE:
WELDS SHALL BE MADE WITH ELECTRODES WITH SPECIFIED CVN=20 FT-LBS AT -20°F AND 40 FT-LBS AT 70°F.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

0	06/16/2011	ISSUED FOR CONSTRUCTION
A	05/09/2011	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2

MADE BY: LM | CHECKED BY: BM | DATE: 08/25/2009

DETAILS OF: SEQUENCE 16 - GARAGE BRIDGE

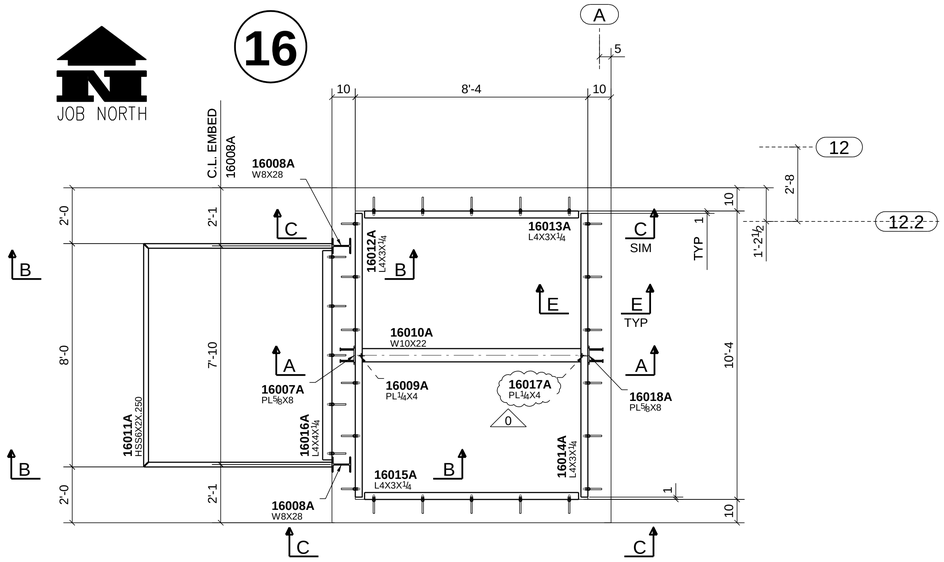
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		16	0

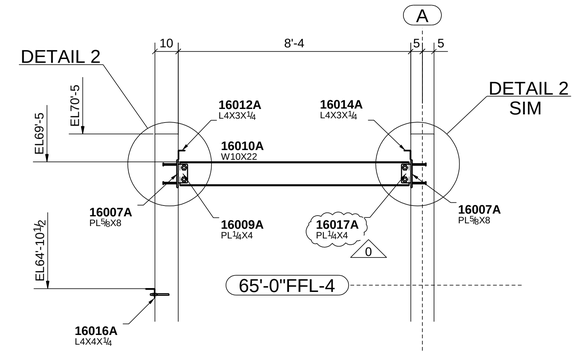
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E16001

MODEL NAME: 2302_001_131 PLOTTED: 02:59:07pm 06/16/2011

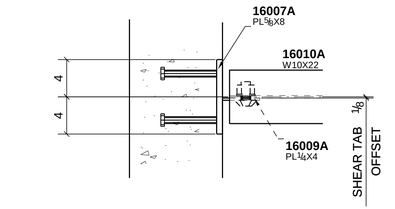


ELEVATOR ROOF PLAN - SEQ 16

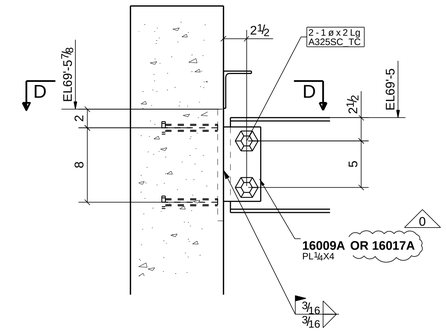
T.O.S. VARIES



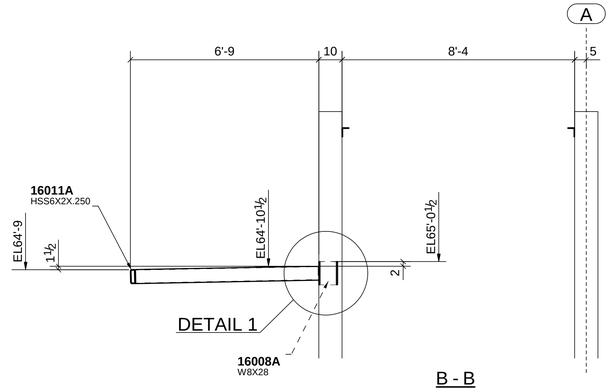
A - A



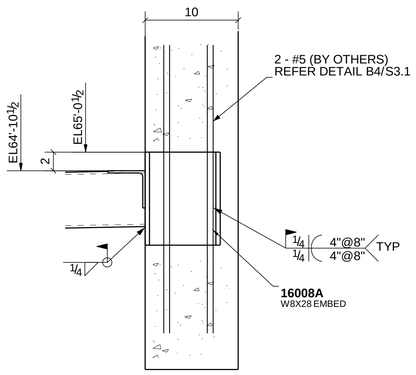
D - D



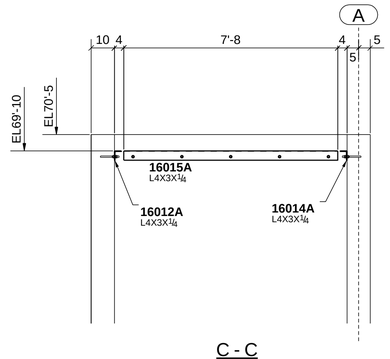
DETAIL 2



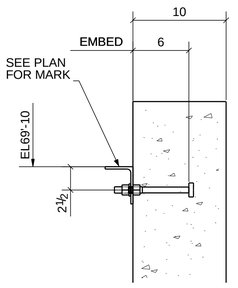
B - B



DETAIL 1



C - C



E - E

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	06/16/2011	ISSUED FOR CONSTRUCTION
A	05/09/2011	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2

MADE BY: LM | CHECKED BY: BM | DATE: 08/25/2009

DETAILS OF: SEQUENCE 16 - GARAGE BRIDGE ELEVATOR

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

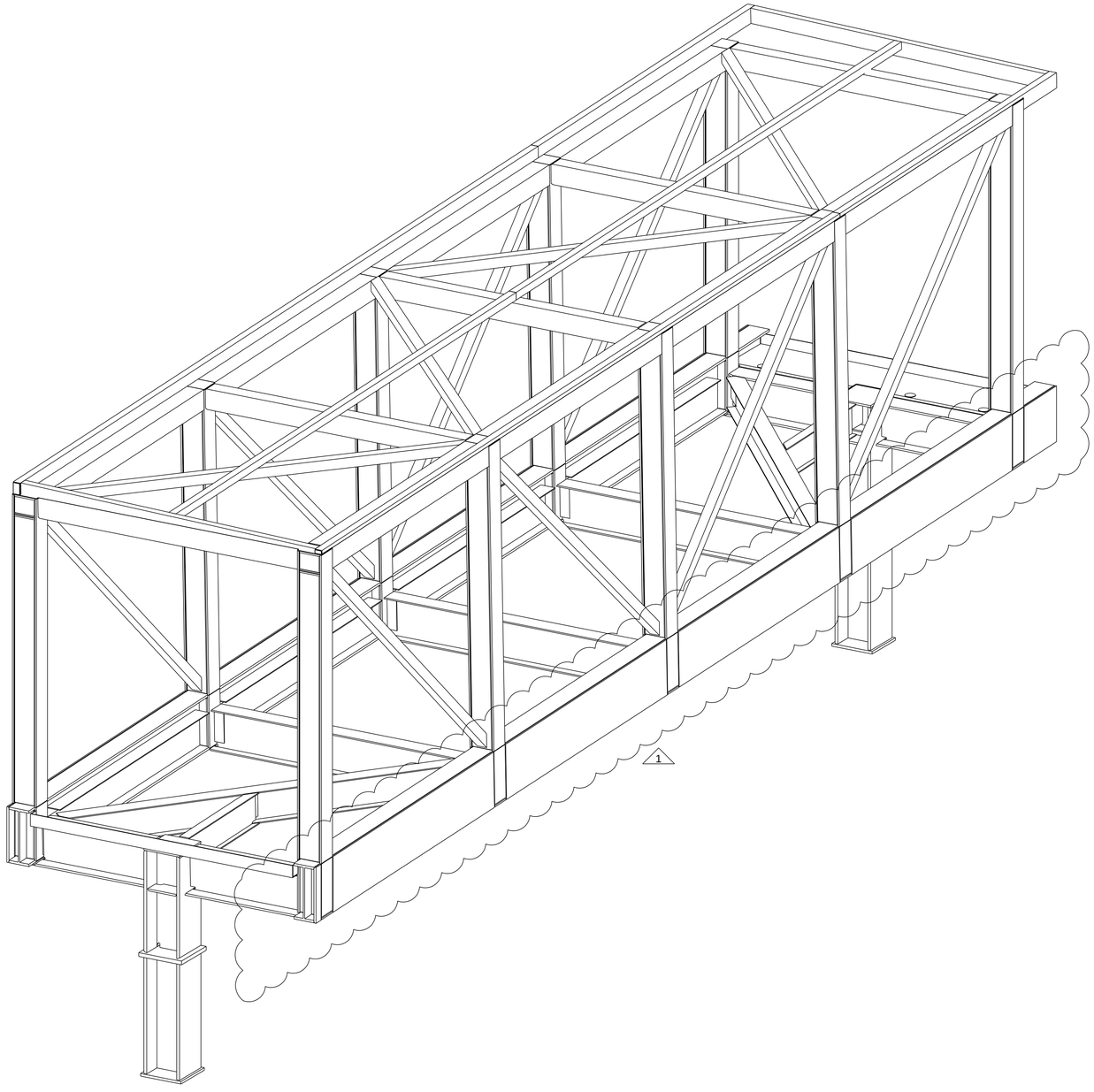
M	C	H	SEQ	REV
	X		16	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E16002

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 02:59:10pm 06/16/2011

"As Built Schuff Steel"
05-10-12



SEQUENCE 17 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	09/16/2011	SKIRT PLATES ADDED
0	10/20/2010	ISSUED FOR CONSTRUCTION
A	08/18/2010	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

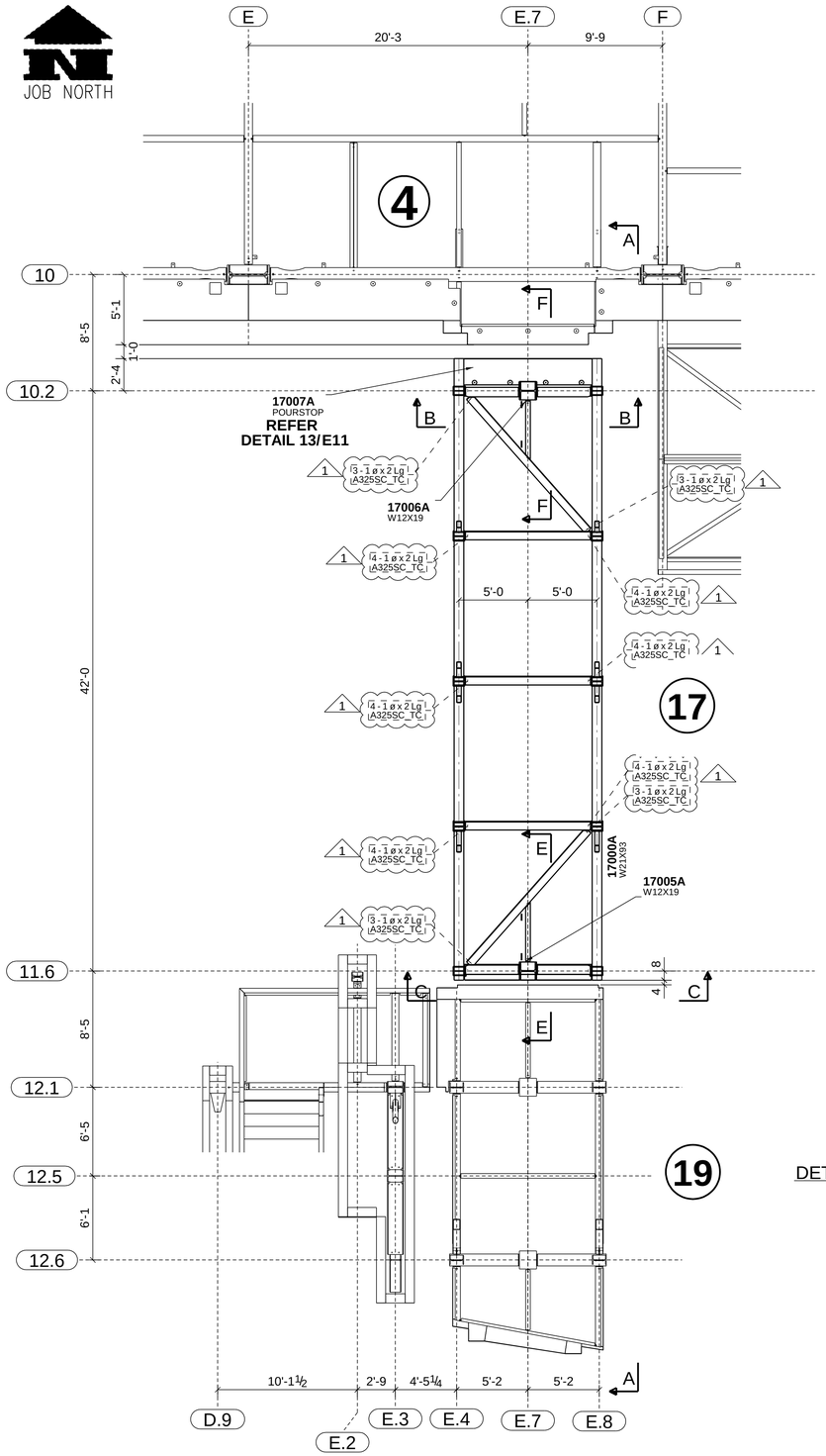
DESIGN DRAWING REFERENCE: S-2.2B

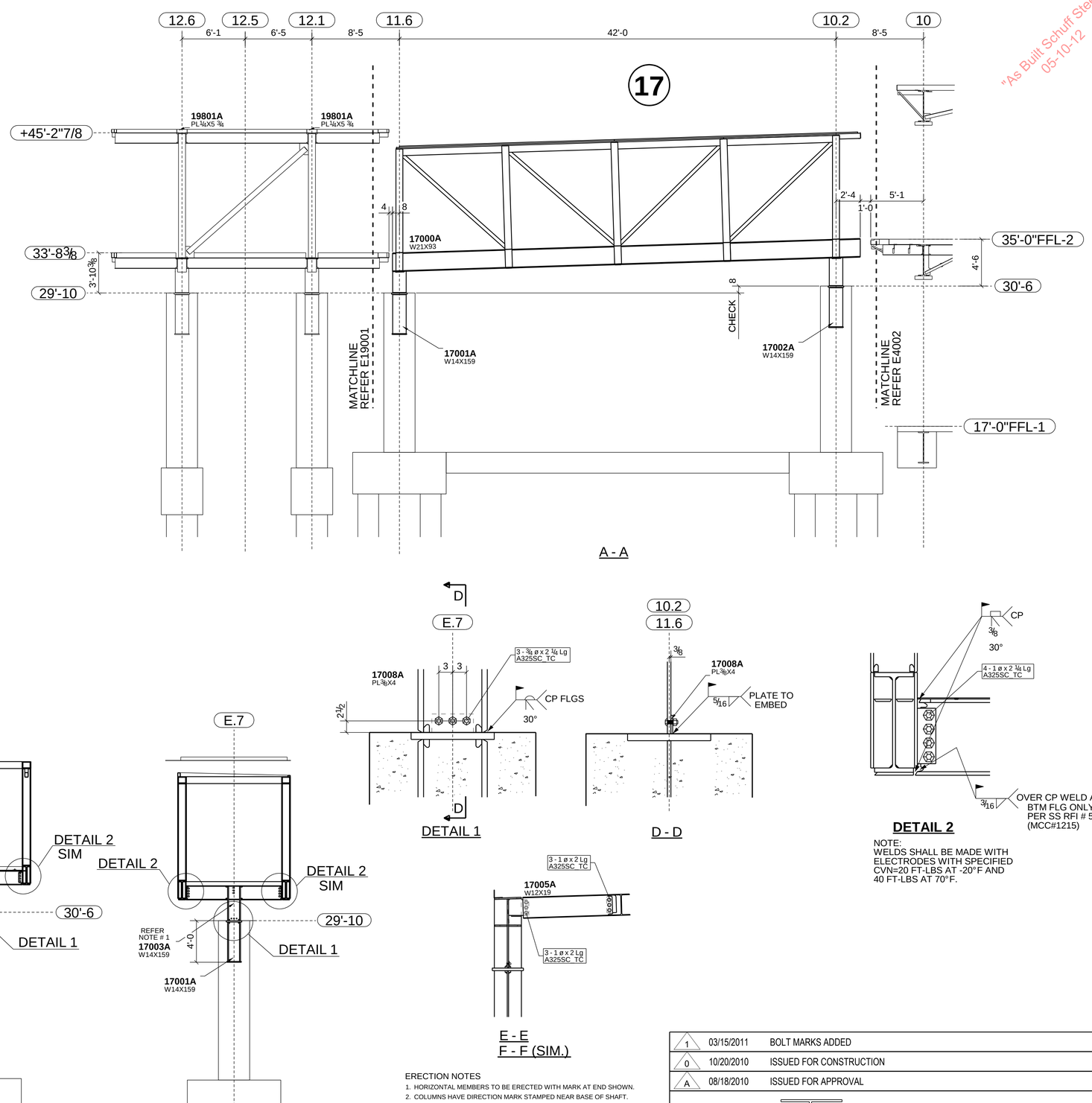
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	08/25/2009		X		17	1

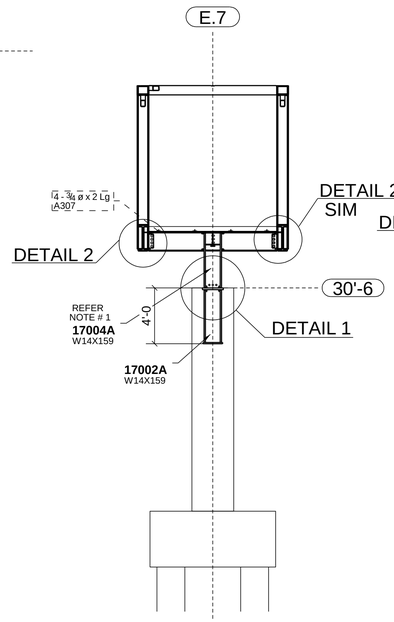
DETAILS OF: SEQUENCE 17 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E17000

MODEL NAME: 2552_001_131 PLOTTED: 11:13:25am 09/16/2011

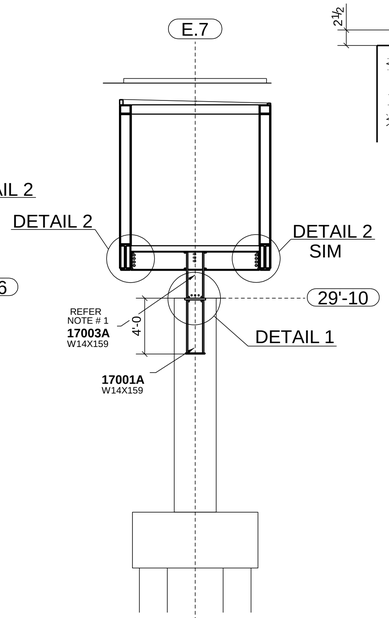






B - B

NOTE # 1
FIELD BOLT AND WELD TO FRAME
17000A PRIOR TO ERECTING 17000A



C - C

NOTE # 1
FIELD BOLT AND WELD TO FRAME
17000A PRIOR TO ERECTING 17000A

DETAIL 1

D - D

DETAIL 2

NOTE:
WELDS SHALL BE MADE WITH ELECTRODES WITH SPECIFIED CVN=20 FT-LBS AT -20°F AND 40 FT-LBS AT 70°F.

E - E
F - F (SIM.)

"As Built Schuff Steel"
05-10-12

LA VETA BRIDGE - LEVEL 2 FRAMING PLAN - SEQ 17

BRIDGE STEELWORK AESS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	03/15/2011	BOLT MARKS ADDED
0	10/20/2010	ISSUED FOR CONSTRUCTION
A	08/18/2010	ISSUED FOR APPROVAL

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S-2.2B

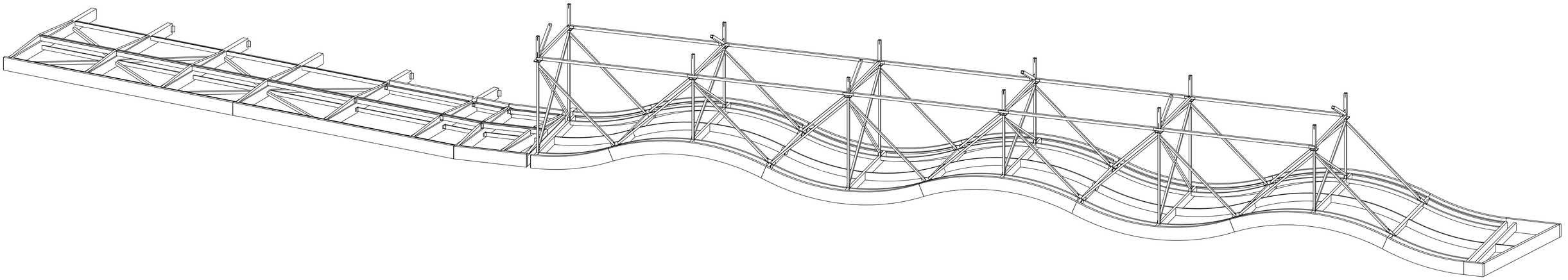
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	08/25/2009		X		17	1

DETAILS OF: SEQUENCE 17 - LA VETA BRIDGE
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E17001

MODEL NAME: 2302_001_131 PLOTTED: 10:48:13am 03/15/2011

"As Built Schuff Steel"
05-10-12



SEQUENCE 18 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	01/17/2011	ISSUED FOR CONSTRUCTION
B	11/12/2010	ISSUED FOR APPROVAL
A	11/01/2010	ISSUED FOR APPROVAL (UPPER HANGER SUPPORTS ONLY)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2A & S2.2B

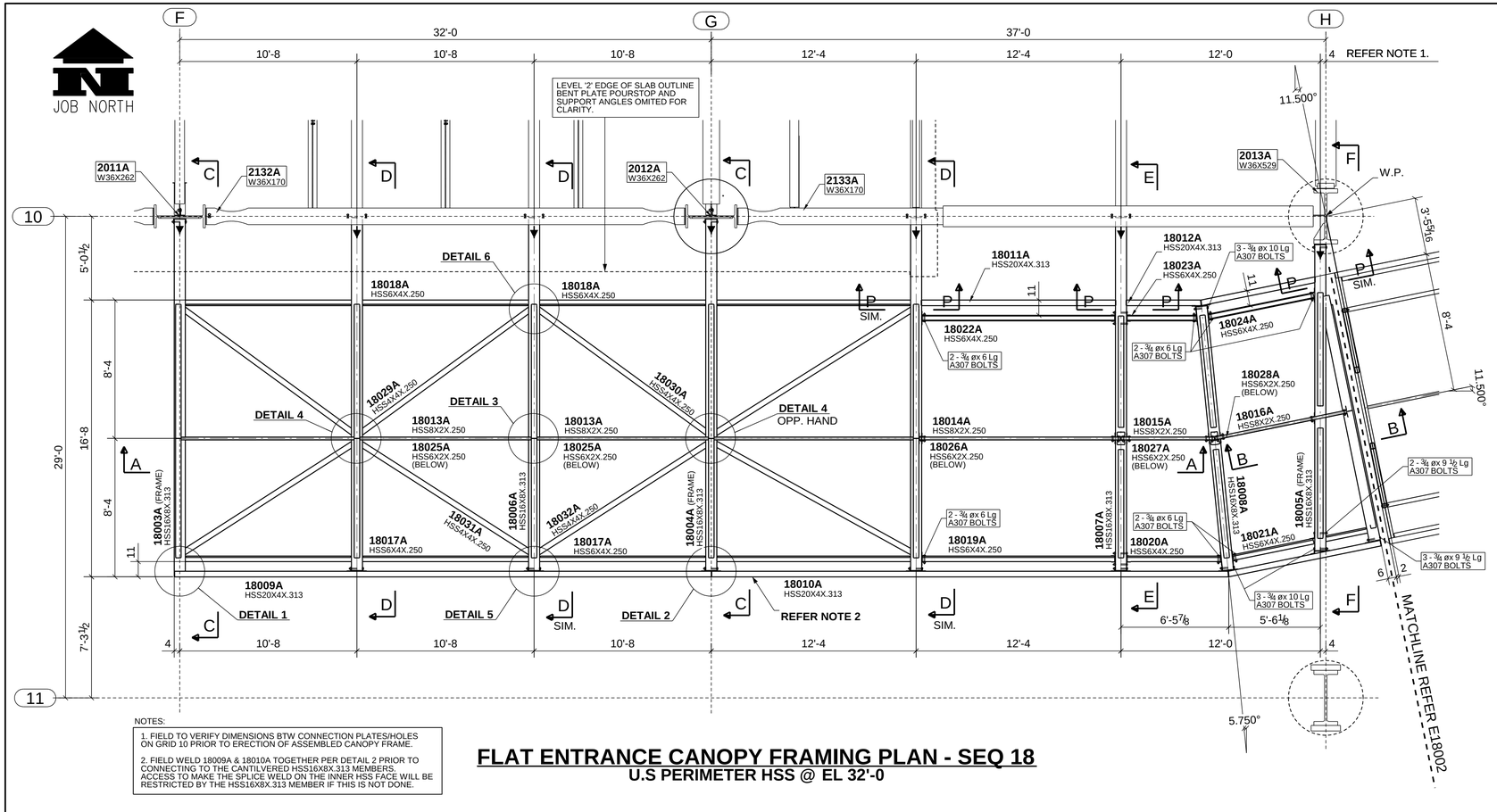
MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 18 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		18	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E18000

MODEL NAME: 2352_001_131 PLOTTED: 07:51:16am 01/17/2011

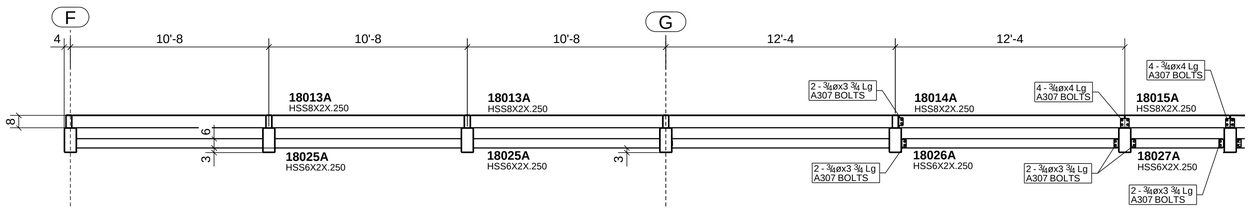


NOTES:

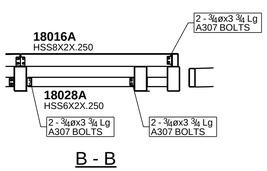
1. FIELD TO VERIFY DIMENSIONS BTW CONNECTION PLATES/HOLES ON GRID 10 PRIOR TO ERECTION OF ASSEMBLED CANOPY FRAME.
2. FIELD WELD 18009A & 18010A TOGETHER PER DETAIL 2 PRIOR TO CONNECTING TO THE CANTILVERED HSS16X8X.313 MEMBERS. ACCESS TO MAKE THE SPLICE WELD ON THE INNER HSS FACE WILL BE RESTRICTED BY THE HSS16X8X.313 MEMBER IF THIS IS NOT DONE.

FLAT ENTRANCE CANOPY FRAMING PLAN - SEQ 18

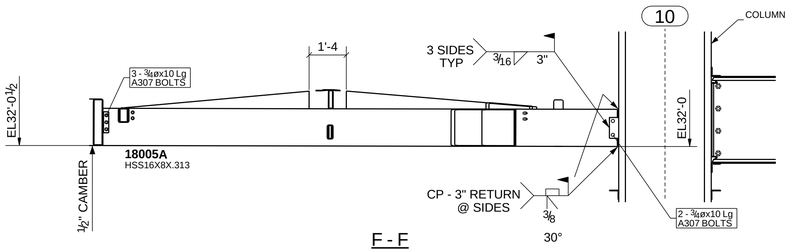
U.S PERIMETER HSS @ EL 32'-0



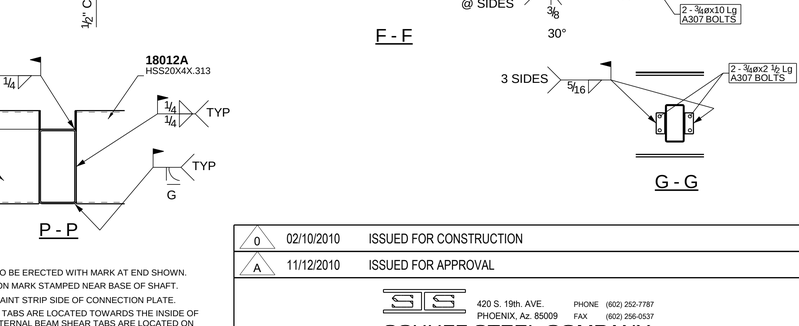
A - A



B - B



C - C



D - D

E - E

F - F

G - G

H - H

DETAIL 1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	02/10/2010	ISSUED FOR CONSTRUCTION
A	11/12/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.2A & S2.2B

MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 18 - 'FLAT' CANOPY FRAMING PLAN

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		18	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E18001

As Built Schuff Steel 05-10-2010

MODEL NAME: 2302_001_131 PLOTTED: 08:10:30am 02/10/2011

JOB NORTH

"As Built Schuff Steel" 05-10-12

H J K L

34'-0 40'-0 34'-0

17'-1 3/8 CHECK

9 9.5 10 11

14'-9 14'-9 29'-0

6'-11 3/4

7'-6 1/16 CHECK

10 1/4

15.0°

SHOP ASSEMBLED FRAME 18002A

SHOP ASSEMBLED FRAME 18001A

SHOP ASSEMBLED FRAME 18000A

HSS20X4X0.313 (TYP)

HSS20X4X0.250

4'-5 3/4

W.P.

3'-5 5/16

2'-4

6'-0

16'-8

HSS6X3X0.250 (TYP)

HSS12X2X0.250 (TYP)

11.5°

HSS12X4X0.250 (TYP)

18000A

18001A

18002A

10'-0

1'-1 3/4

1'-4 1/4

2'-4 7/16

METAL COLUMN COVER
RADIUS = 4'-6" (TYP)

26'-7 1/2

MATCHLINE REFER E18001

CURVED ENTRANCE CANOPY FRAMING PLAN - SEQ 18

U.S PERIMETER HSS @ EL 32'-0

(REFER DWG'S E18003 & E18005 FOR SECTIONS & DETAILS)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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0	01/17/2011	ISSUED FOR CONSTRUCTION
B	11/12/2010	ISSUED FOR APPROVAL
A	11/01/2010	ISSUED FOR APPROVAL (UPPER HANGER SUPPORTS ONLY)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2A & S2.2B

MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 18 - 'CURVED' CANOPY FRAMING PLAN

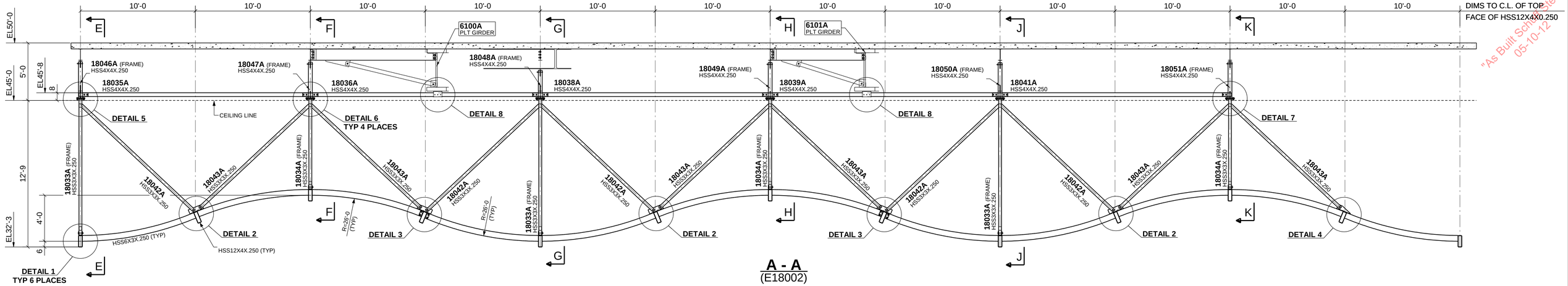
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

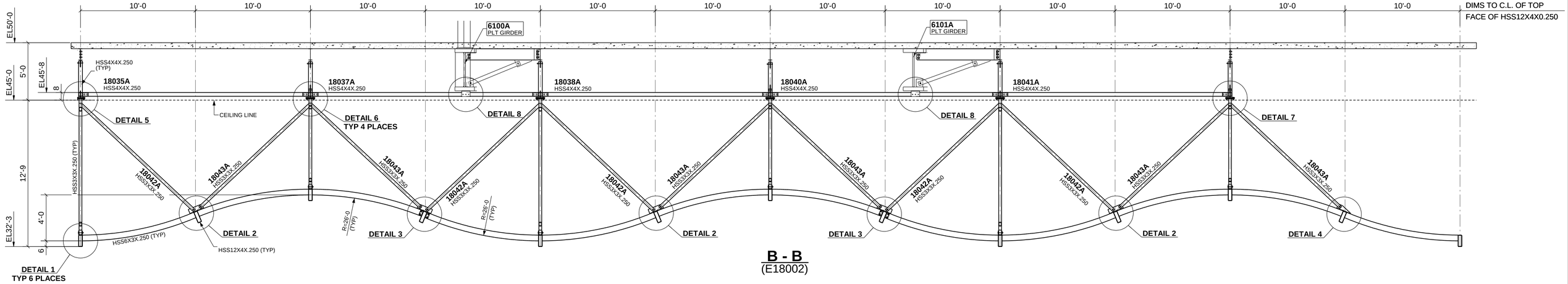
M	C	H	SEQ	REV
	X		18	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E18002

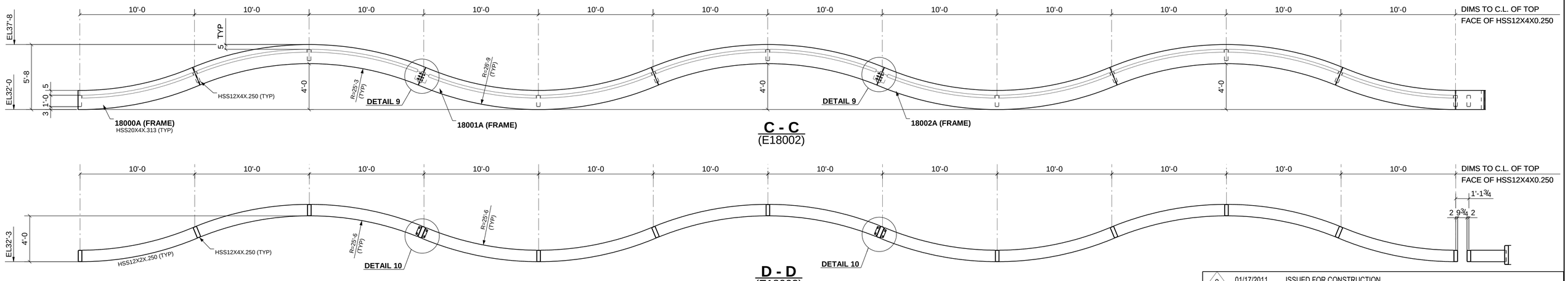
MODEL NAME: 2302_001_131 PLOTTED: 07-51-23am 01/17/2011



A - A
(E18002)



B - B
(E18002)



C - C
(E18002)

D - D
(E18002)

REFER DWG E18005 FOR SECTIONS & DETAILS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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0	01/17/2011	ISSUED FOR CONSTRUCTION
B	11/12/2010	ISSUED FOR APPROVAL
A	11/01/2010	ISSUED FOR APPROVAL (UPPER HANGER SUPPORTS ONLY)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2A & S2.2B

MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 18 - SECTIONS & DETAILS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

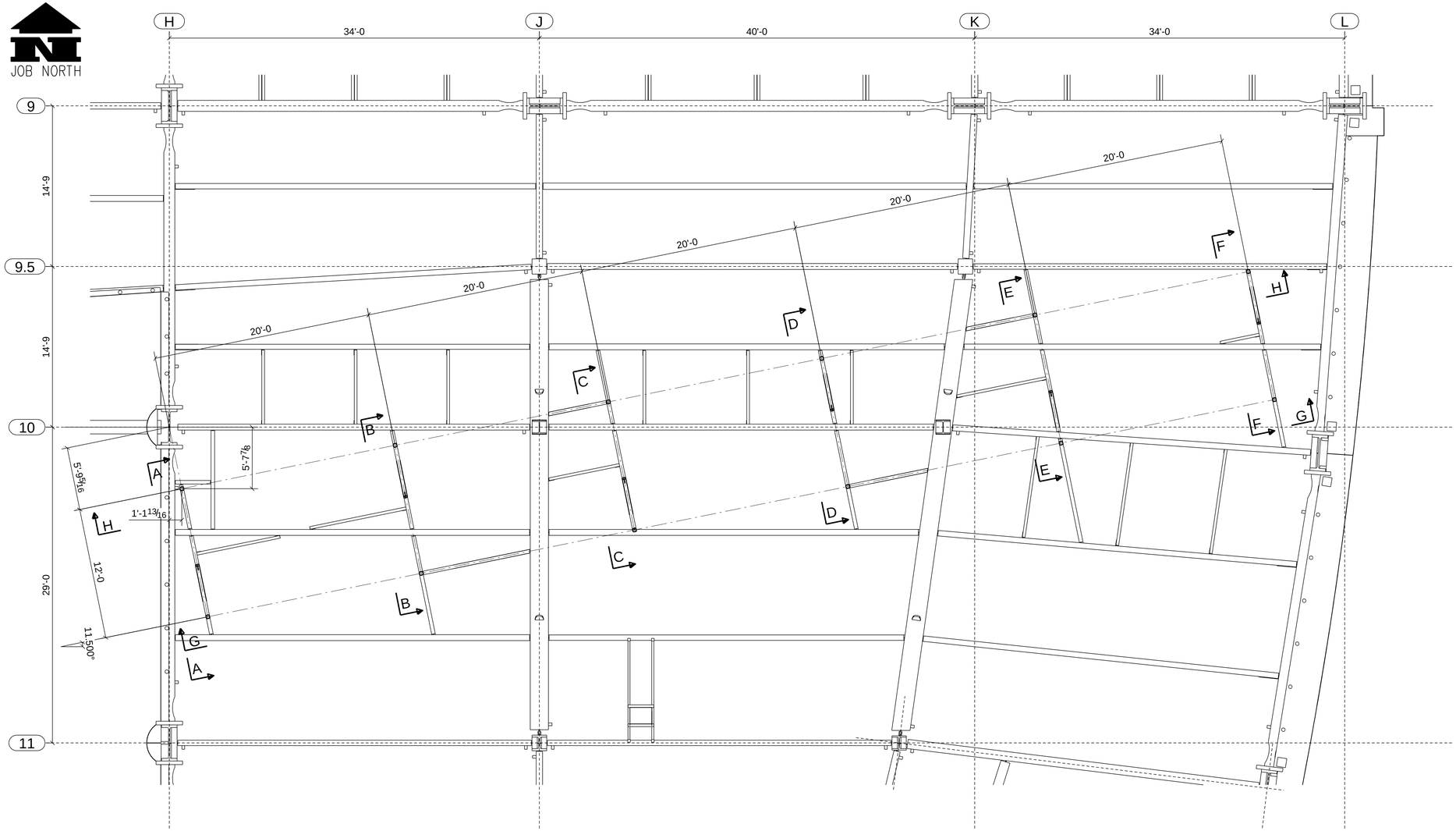
M	C	H	SEQ	REV
	X		18	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E18003

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 07:51:32am 01/17/2011

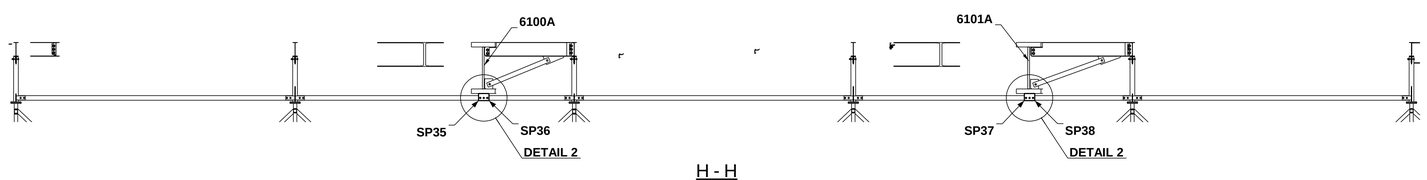
JOB NORTH



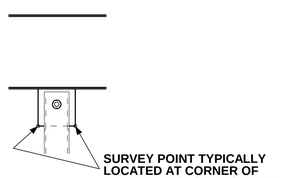
LEVEL 3 FRAMING PLAN

T.O.S. EL 49'-5 3/4

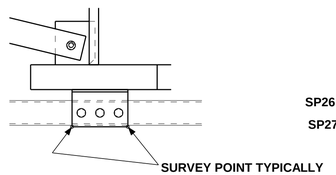
G - G



H - H



DETAIL 1



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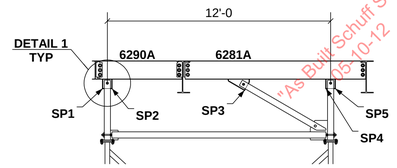
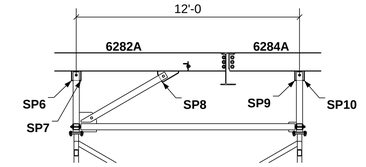


A - A



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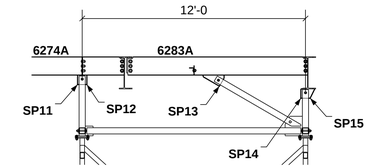

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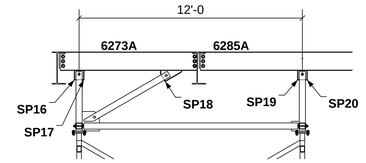

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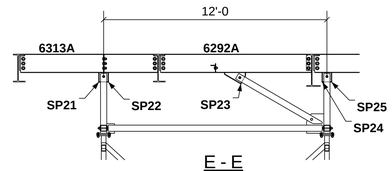
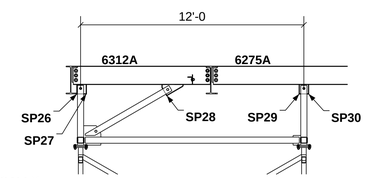


E - E



F - F

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	08/10/2010	ISSUED FOR CONSTRUCTION				

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE:

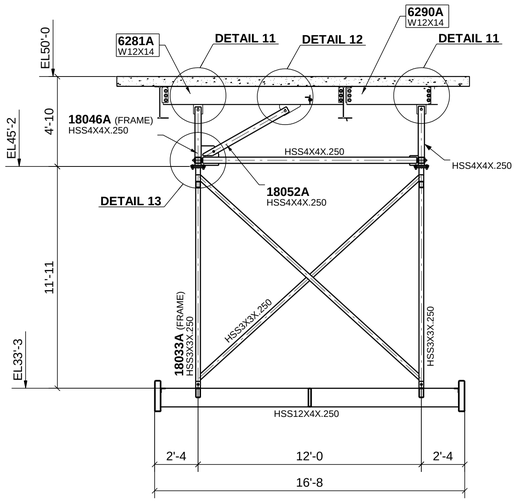
MADE BY:	CHECKED BY:	DATE: 08/25/2009	M	C	H	SEQ	REV
				X		18	0

DETAILS OF: SEQUENCE 18 - INTERFACE CONNECTION SURVEY
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

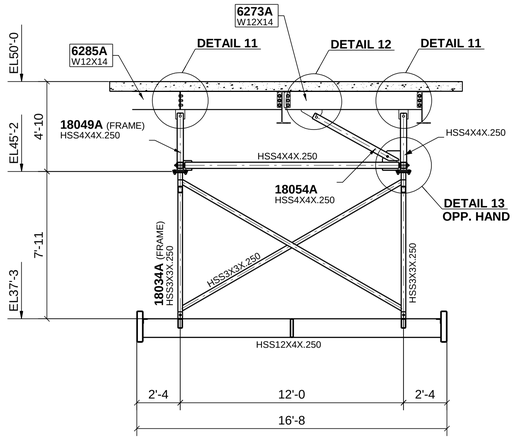
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E18004

"As Built Schuff Steel" 2010-10-12

MODEL NAME: 2302_001_131 PLOTTED: 09:22:09am 08/10/2010



E - E
(E18002)
REFER NOTE # 1



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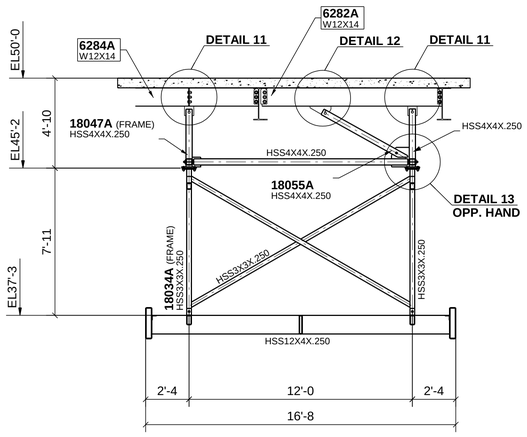
(E18002)
REFER NOTE # 1



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(E18002)
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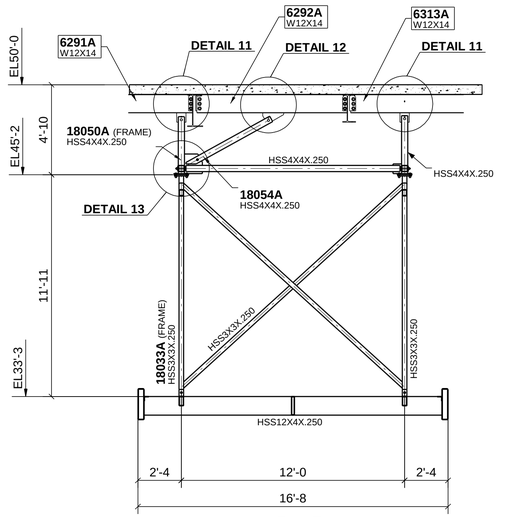

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(E18002)
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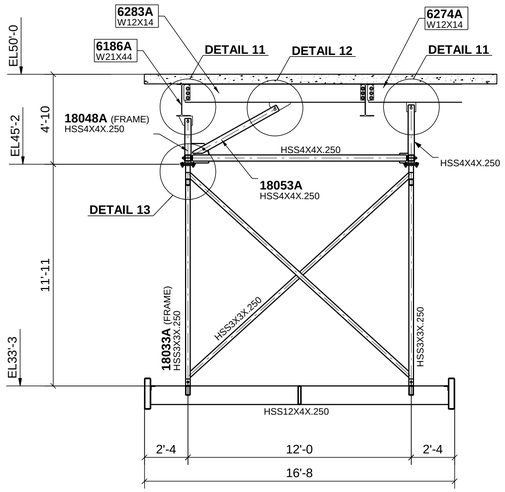

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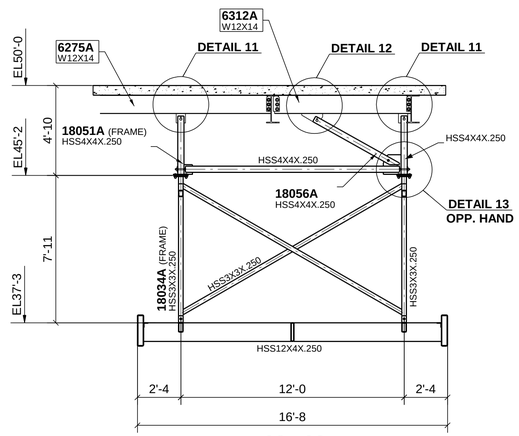
(E18002)
REFER NOTE # 1



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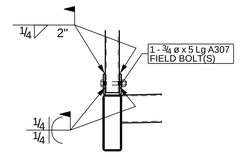
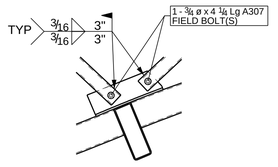


DETAIL 1
(E18003)



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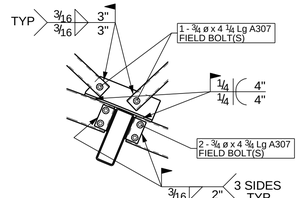
(E18003)



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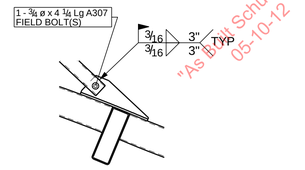
(E18003)



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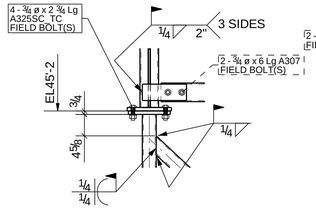
(E18003)



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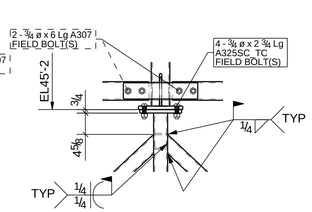

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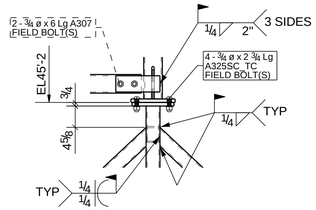
(E18003)



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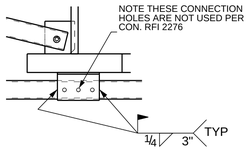

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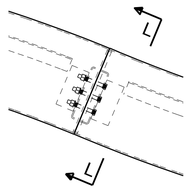
(E18003)



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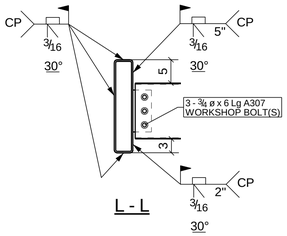
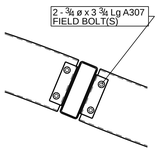


L - L



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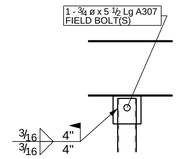

DETAIL 11
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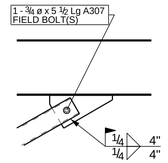

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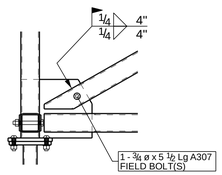


DETAIL 13
(E18003)

NOTE # 1

HSS HANGER & DIAGONAL BRACE LENGTHS HAVE BEEN SHORTENED TO SUIT THE AS-BUILT LOCATION OF THE SUPPORTING LEVEL 3 STEELWORK.
FIELD TO VERIFY UNDERSIDE OF HANGER BASE PLATE EL 45'-2" ONCE HANGER FRAMES 18046A TO 18051A ARE INSTALLED.

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	01/17/2011	ISSUED FOR CONSTRUCTION
B	11/12/2010	ISSUED FOR APPROVAL
A	11/01/2010	ISSUED FOR APPROVAL (UPPER HANGER SUPPORTS ONLY)

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.2A & S2.2B

MADE BY: BM | CHECKED BY: WJ | DATE: 09/24/2009

DETAILS OF: SEQUENCE 18 - SECTIONS & DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

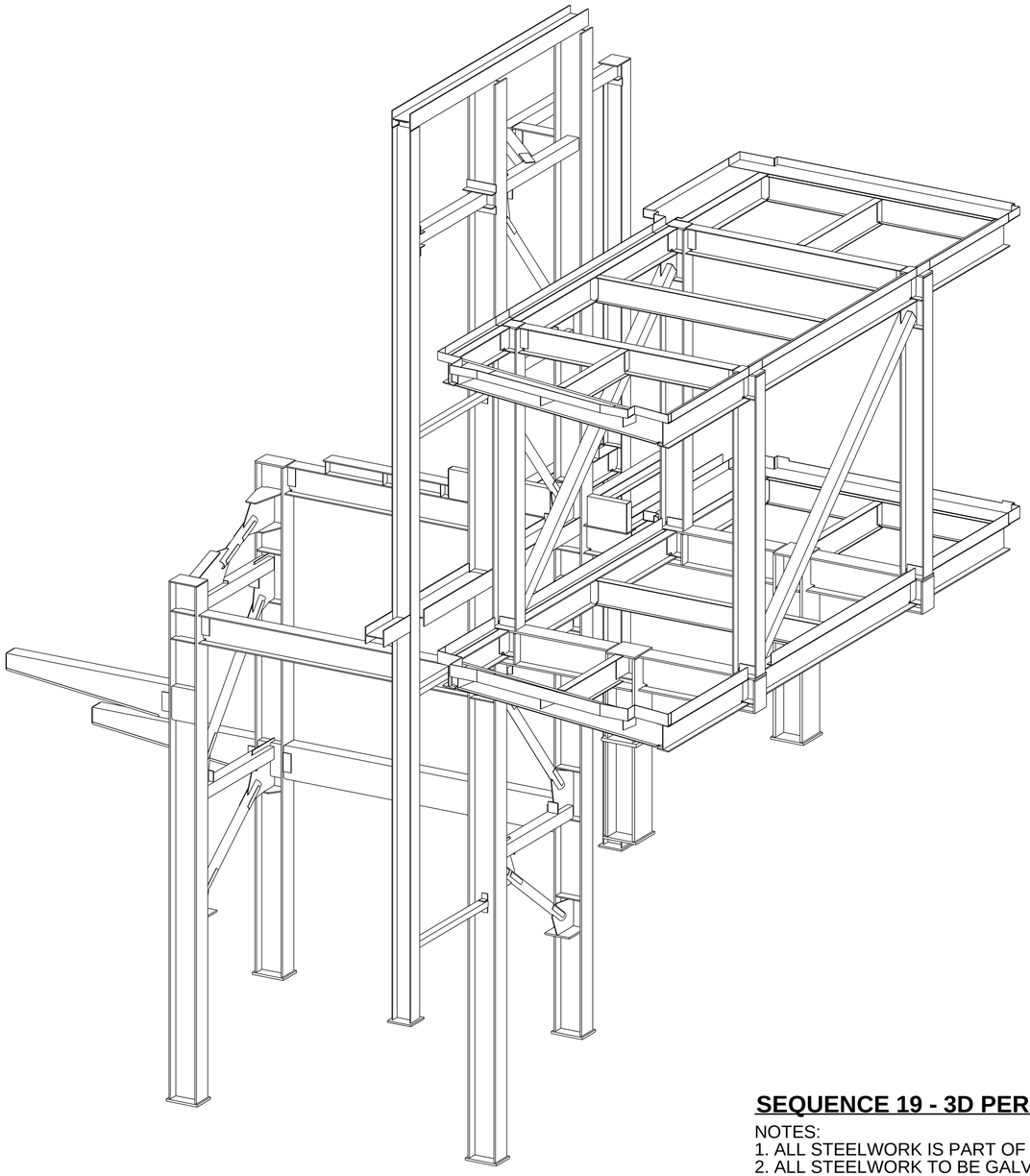
M	C	H	SEQ	REV
	X		18	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E18005

"AS BUILT" Schuff Steel 05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 07:51:44am 01/17/2011

"As Built Schuff Steel"
05-10-12



SEQUENCE 19 - 3D PERSPECTIVE

NOTES:
1. ALL STEELWORK IS PART OF SEISMIC LOAD RESISTING SYSTEM (SLRS).
2. ALL STEELWORK TO BE GALVANIZED.
3. EXPOSED STAIR LANDING SUPPORT BEAMS ARE NOTED AS AESS.

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	06/24/2011	3D VIEW UPDATED
0	02/25/2011	ISSUED FOR CONSTRUCTION
A	12/22/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.0 (Inc#1)

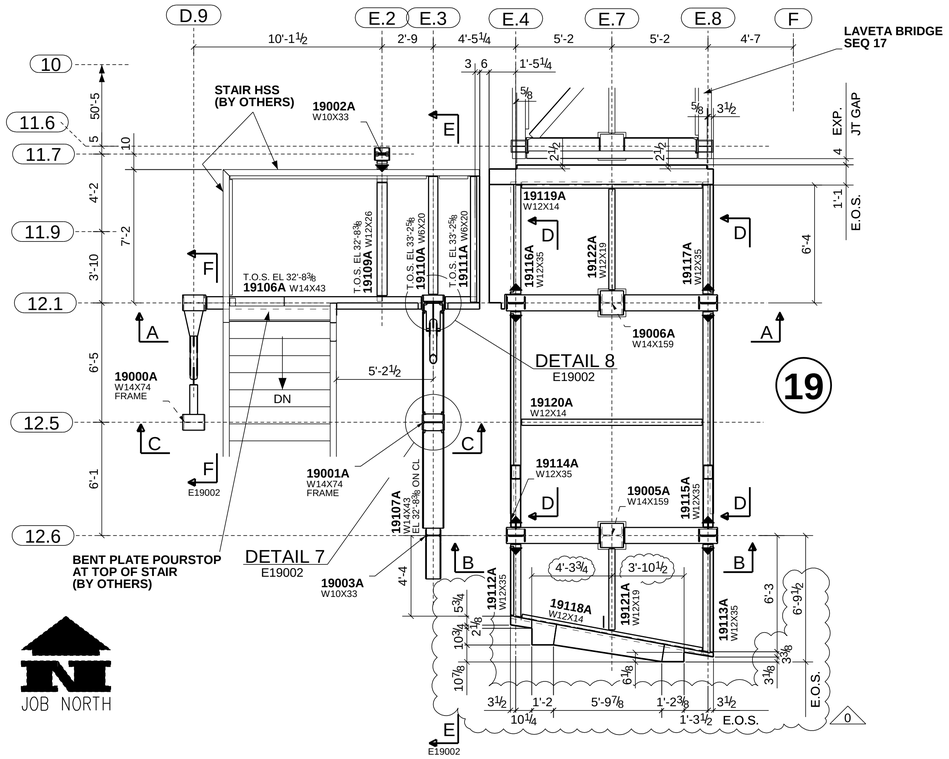
MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 19 - 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		19	1

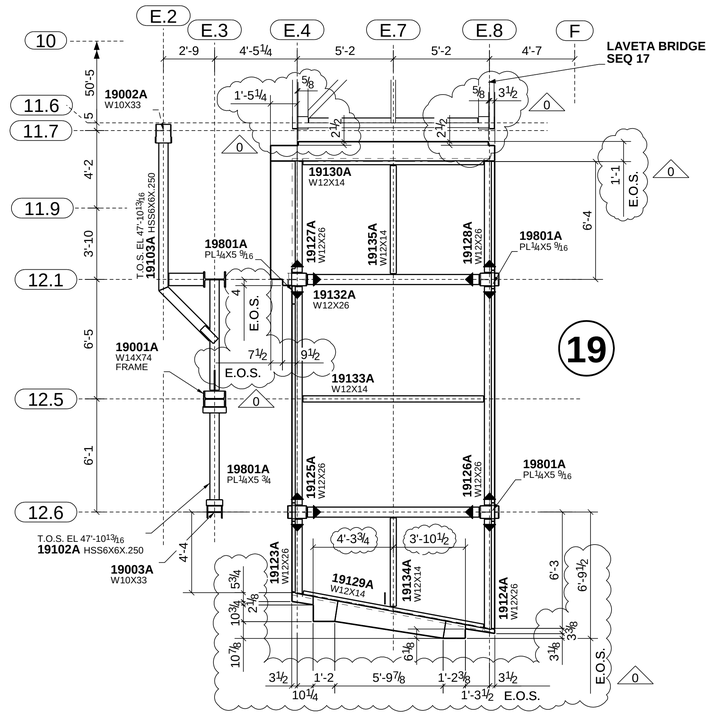
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E19000

MODEL NAME: 2302_001_131 PLOTTED: 10:34:02am 06/24/2011



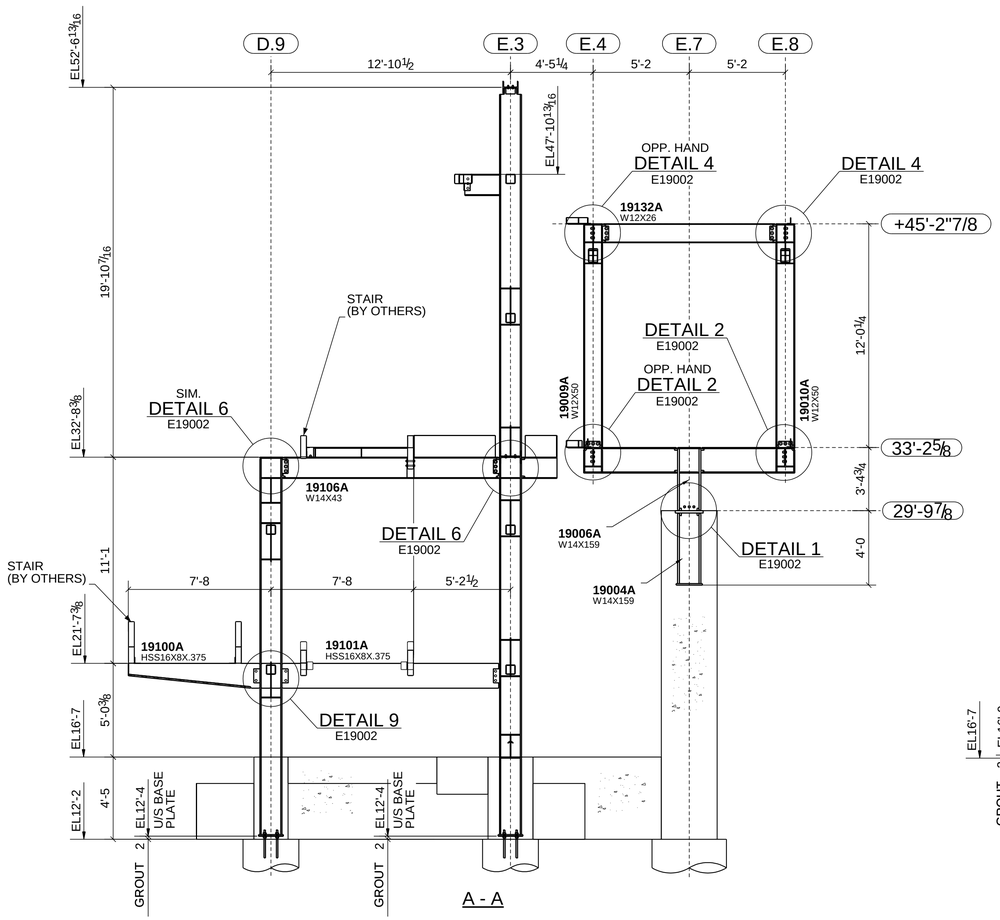
LA VETA PLATFORM & STAIR - LEVEL 2 FRAMING PLAN - SEQ 19

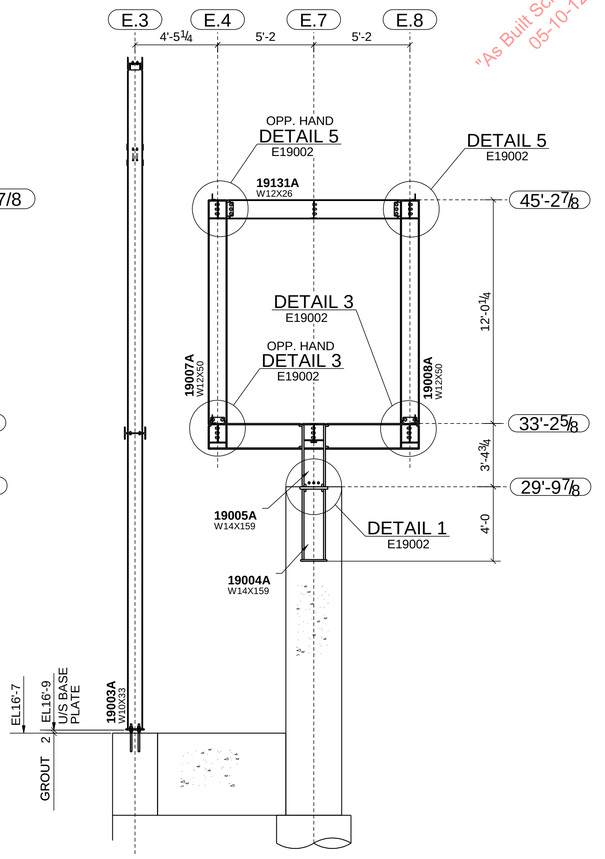
T.O.S. EL 33'-2⅝ U.N

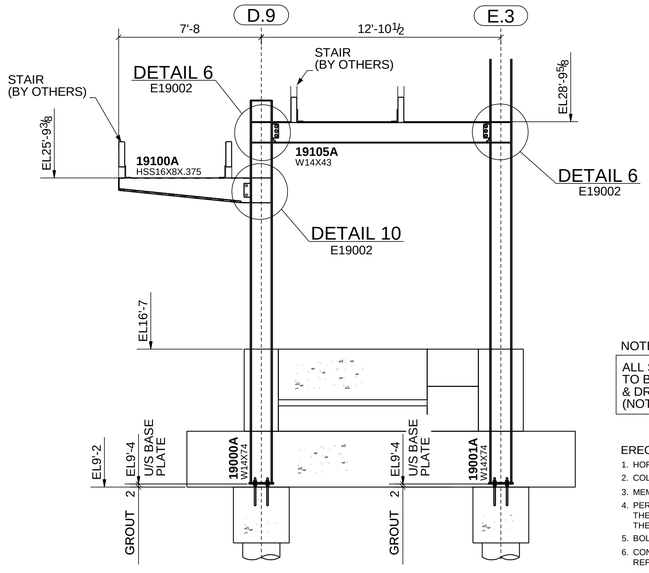


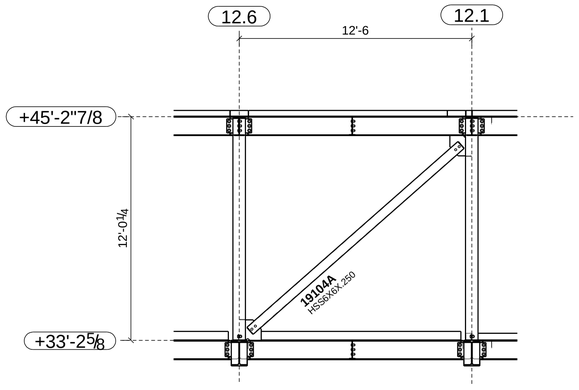
LA VETA PLATFORM - ROOF FRAMING PLAN - SEQ 19

T.O.S. EL 45'-2⅞ U.N









NOTE:

ALL STAIR INTERFACE CONNECTIONS TO BE PROVIDED AND FIELD WELDED & DRILLED BY OTHERS. (NOT BY BDS/SCHUFF)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

0	02/25/2011	ISSUED FOR CONSTRUCTION
A	12/22/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.0 (Inc#1)

MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 19 - LA VETA STAIR & LANDINGS

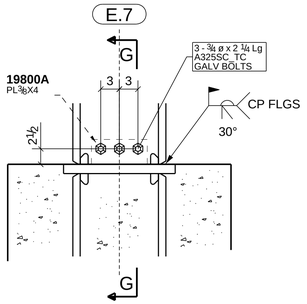
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

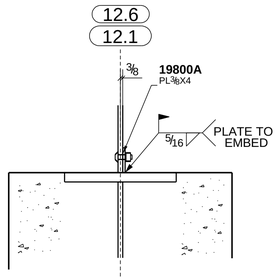
M	C	H	SEQ	REV
	X		19	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E19001

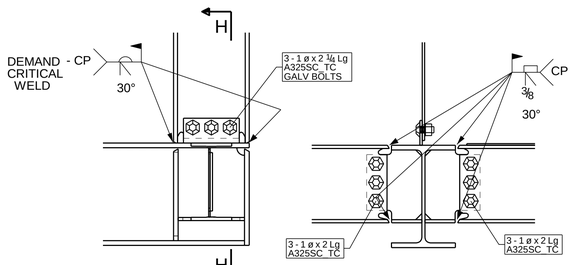
MODEL NAME: 2302_001_131 PLOTTED: 10:05:27am 02/25/2011



DETAIL 1

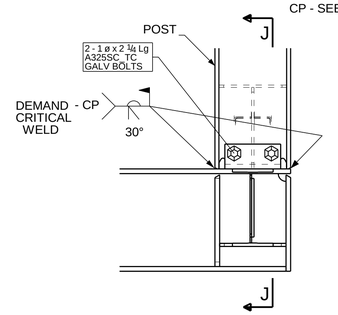


G - G



DETAIL 2

H - H



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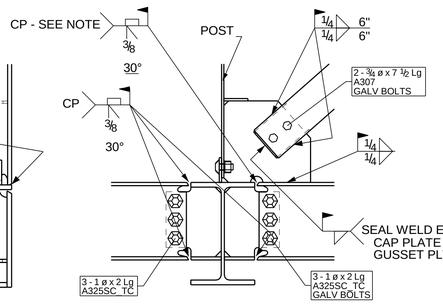
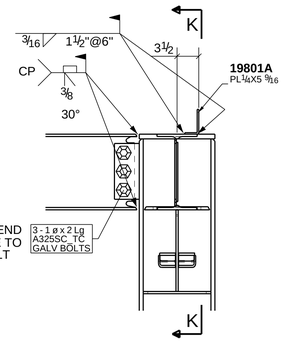


J - J



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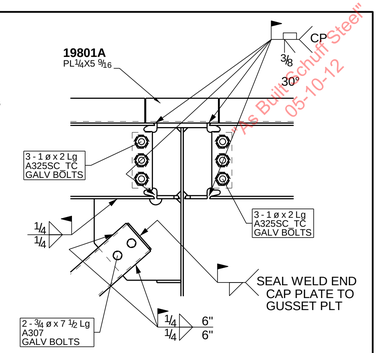
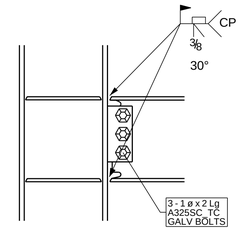


K - K

NOTE:
MAKE CP WELDS PRIOR TO INSTALLING VERTICAL POST ASSEMBLY ONTO BEAM FLG.



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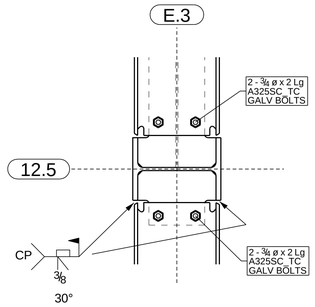

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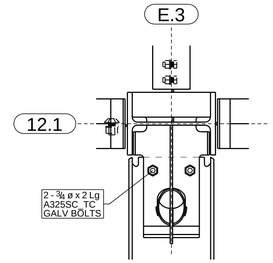

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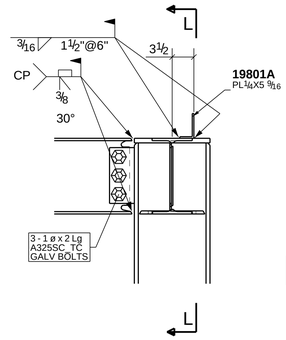
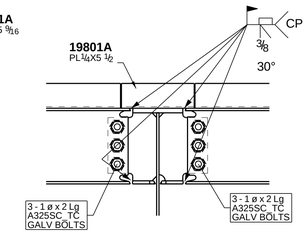
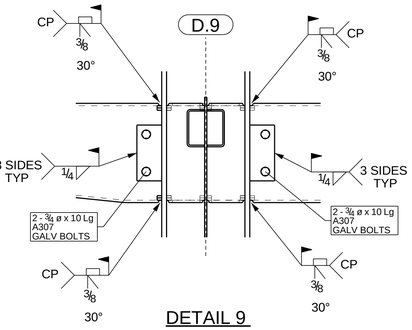


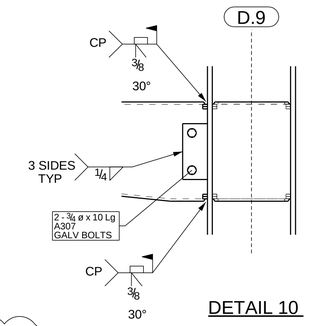
DETAIL 5



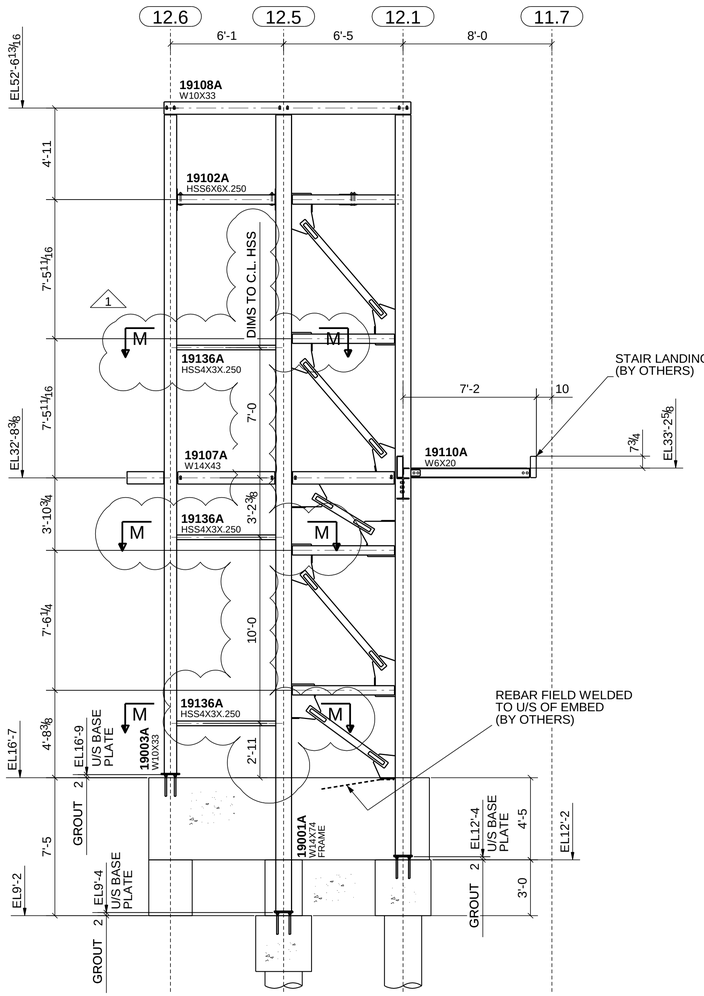
L - L



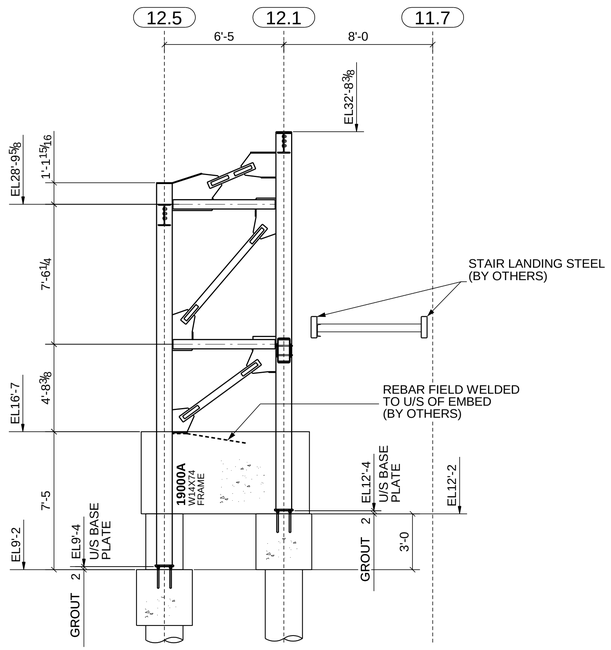
DETAIL 9



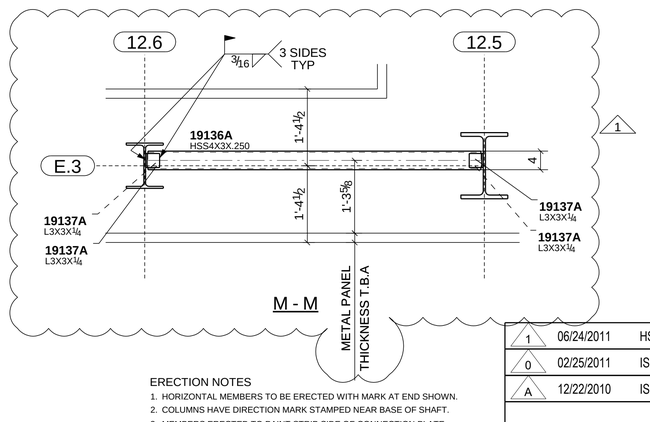
DETAIL 10



E - E
(E19001)



F - F
(E19001)



M - M

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	06/24/2011	HSS MEMBERS ADDED
0	02/25/2011	ISSUED FOR CONSTRUCTION
A	12/22/2010	ISSUED FOR APPROVAL

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.0 (Inc#1)

MADE BY: BM | CHECKED BY: WJ | DATE: 08/25/2009

DETAILS OF: SEQUENCE 19 - LA VETA STAIR & LANDINGS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

M	C	H	SEQ	REV
	X		19	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E19002

As Built - Schuff Steel
05-10-12

MODEL NAME: 2352_001_131 PLOTTED: 10:34:07am 06/24/2011

"As Built Schuff Steel"
05-10-12

SEQUENCE 92 - 3D PERSPECTIVE

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)				

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: SS-A1, B1, B2, C1, C2, D1, D2 & D3

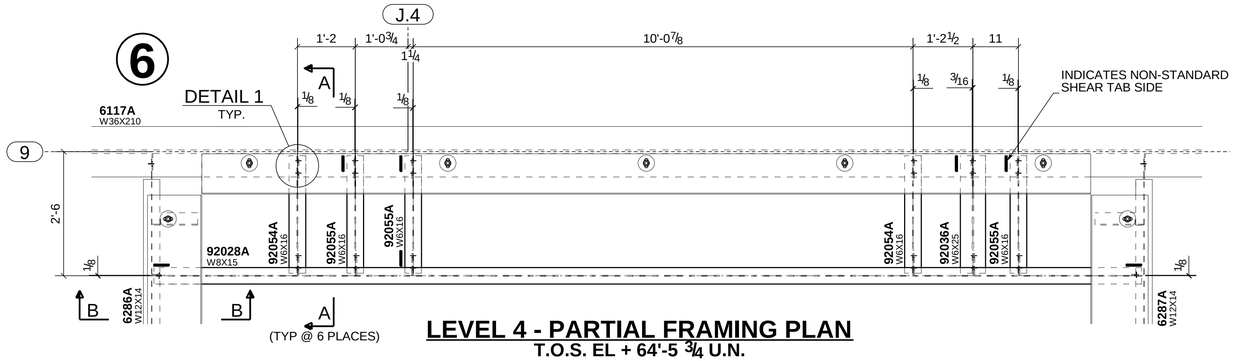
MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
RV	WJ	01/21/2010		X		92	0

DETAILS OF: 3D
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92000

MODEL NAME: 2302_001_131 PLOTTED: 03:55:28pm 03/09/2010

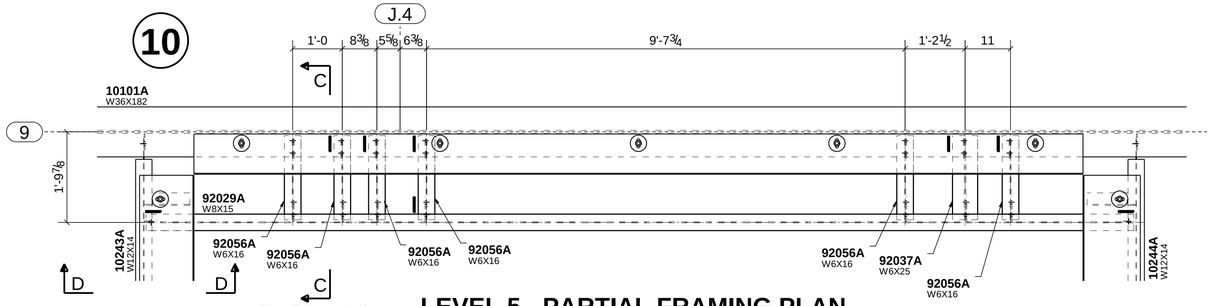
JOB NORTH



LEVEL 4 - PARTIAL FRAMING PLAN

T.O.S. EL + 64'-5 3/4 U.N.

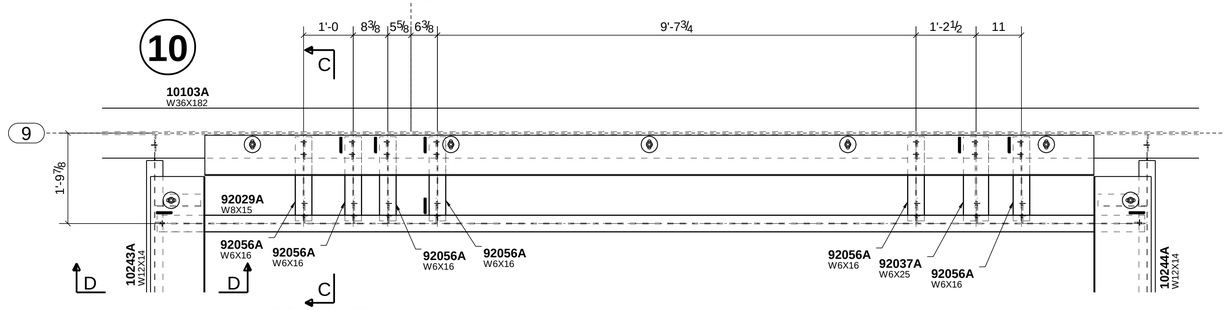
NOTE: 1. T.O.S FOR ALL W6 BEAM @ EL + 64'-2 3/4
2. T.O.S FOR W8 BEAM @ EL + 64'-3 3/4
3. THE OFFSET DIMENSION TO THE CENTERLINE OF THE BEAMS SHOWN ON THE PLAN IS FOR THE LOCATION OF SHEAR TABS TO BE SITE WELDED TO EXISTING BEAMS.



LEVEL 5 - PARTIAL FRAMING PLAN

T.O.S. EL + 79'-5 3/4 U.N.

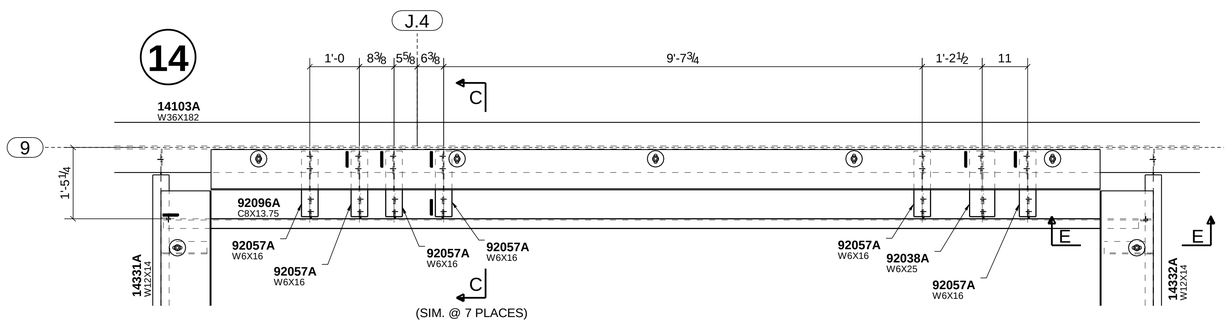
NOTE: 1. T.O.S FOR ALL W6 BEAMS @ EL + 79'-2 3/4
2. T.O.S FOR W8 BEAM @ EL + 79'-3 3/4



LEVEL 6 - PARTIAL FRAMING PLAN

T.O.S. EL + 94'-5 3/4 U.N.

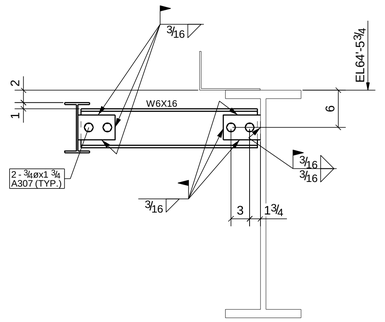
NOTE: 1. T.O.S FOR ALL W6 BEAMS @ EL + 94'-2 3/4
2. T.O.S FOR W8 BEAM @ EL + 94'-3 3/4



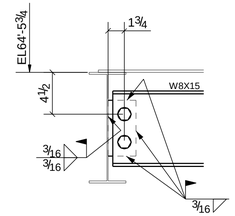
LEVEL 7 - PARTIAL FRAMING PLAN

T.O.S. EL + 109'-5 3/4 U.N.

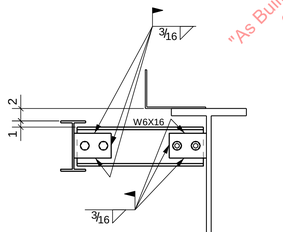
NOTE: 1. T.O.S FOR ALL W6 BEAMS @ EL + 109'-2 3/4
2. T.O.S FOR W8 BEAM @ EL + 109'-3 3/4



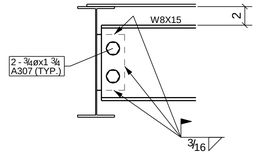
A - A



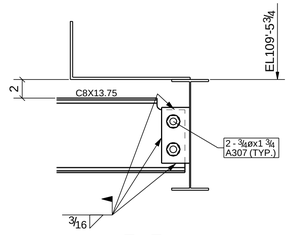
B - B
(TYP. ON BOTH ENDS)



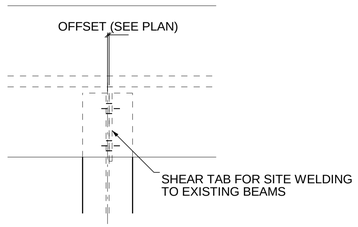
C - C



D - D
(TYP. ON BOTH ENDS)



E - E
(TYP. ON BOTH ENDS)



DETAIL 1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: SS-A1

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
RV	WJ	01/21/2010		X		92	0

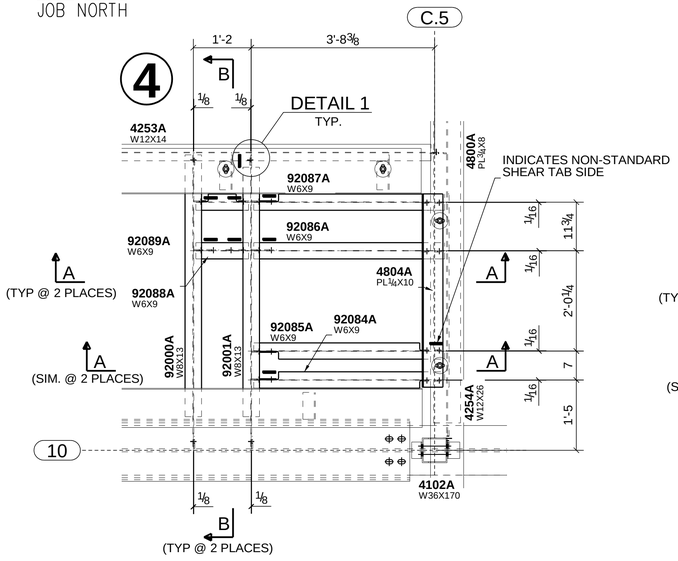
DETAILS OF: SEQUENCE 92 - PLAN (LEVELS 4~7)
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92001

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 03:55:35pm 03/09/2010

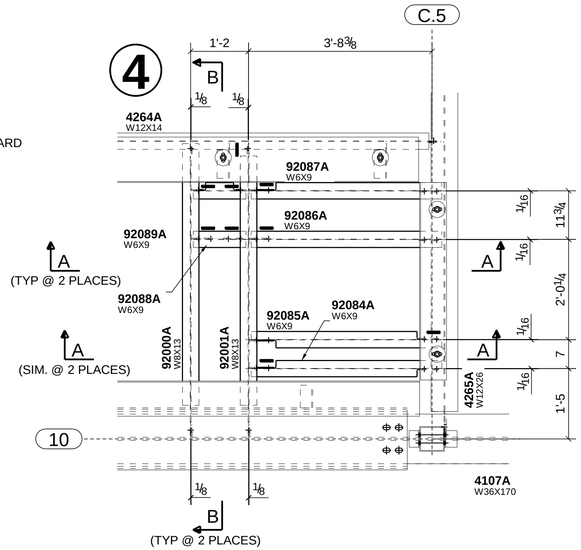
JOB NORTH



LEVEL 1 - PARTIAL FRAMING PLAN

T.O.S. EL + 16'-5 ¾ U.N.

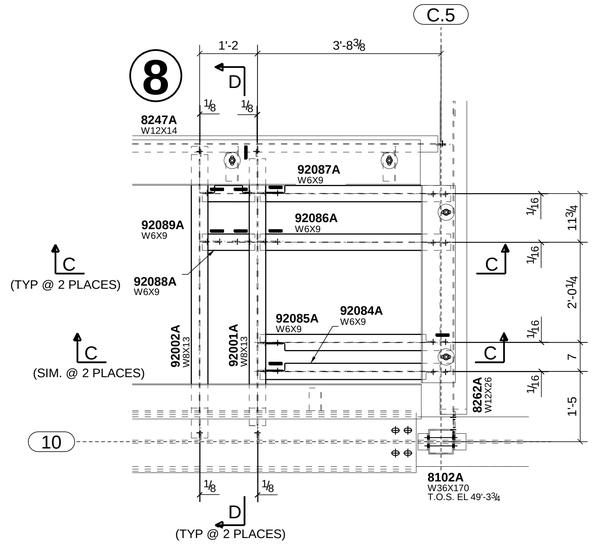
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 16'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 16'-3 ¾
3. THE OFFSET DIMENSION TO THE CENTERLINE OF THE BEAMS SHOWN ON THE PLAN IS FOR THE LOCATION OF SHEAR TABS TO BE SITE WELDED TO EXISTING BEAMS.



LEVEL 2 - PARTIAL FRAMING PLAN

T.O.S. EL + 34'-5 ¾ U.N.

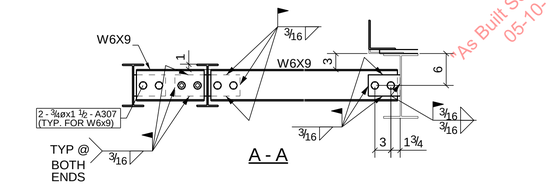
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 34'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 34'-3 ¾

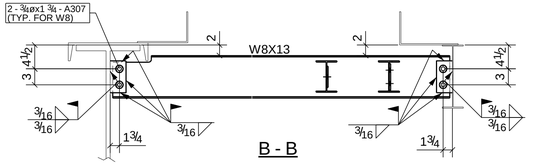


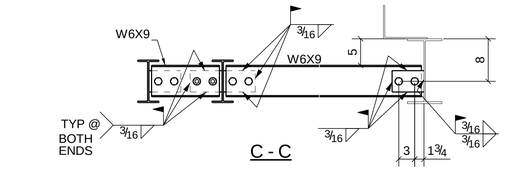
LEVEL 3 - PARTIAL FRAMING PLAN

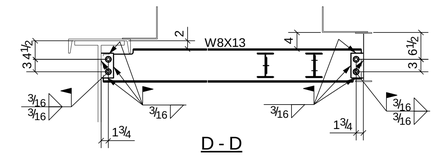
T.O.S. EL + 49'-5 ¾ U.N.

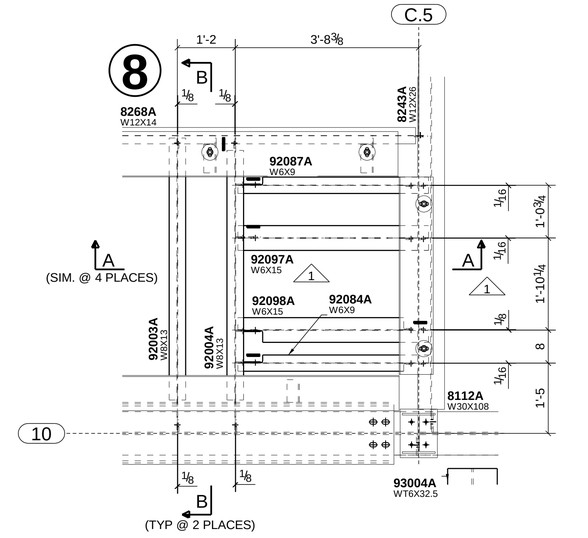
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 49'-0 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 49'-1 ¾







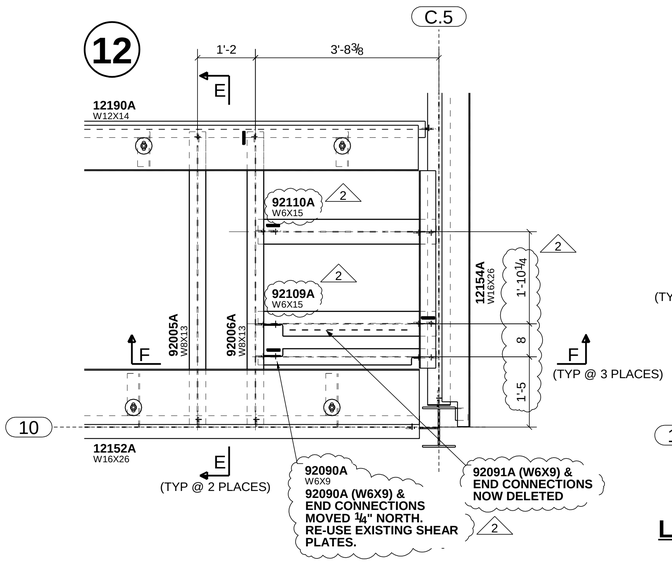




LEVEL 4 - PARTIAL FRAMING PLAN

T.O.S. EL + 64'-5 ¾ U.N.

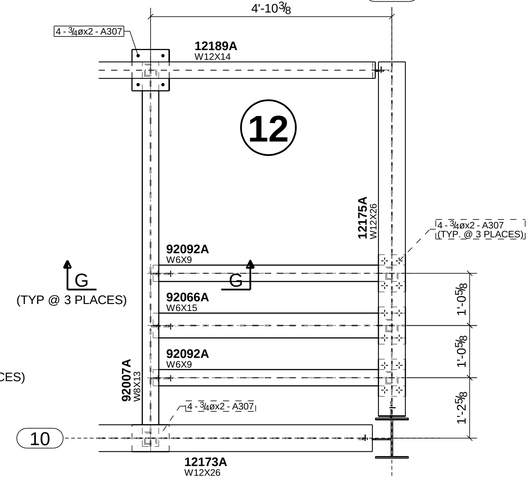
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 64'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 64'-3 ¾



LEVEL 5 - PARTIAL FRAMING PLAN

T.O.S. EL + 79'-5 ¾ U.N.

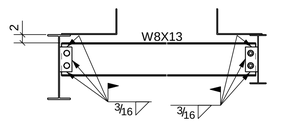
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 79'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 79'-3 ¾

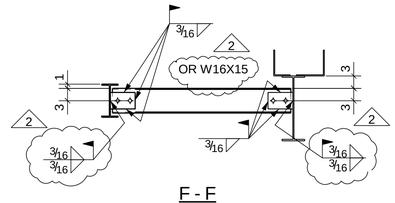


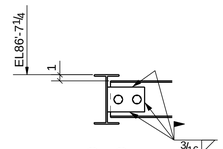
LEVEL 5 - PARTIAL HIGHER ROOF PLAN

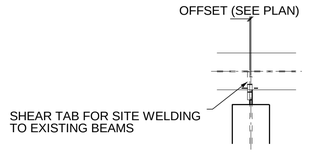
T.O.S. VARIES U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 86'-6 ¼
2. T.O.S. FOR W8 BEAM @ EL + 86'-7 ¼









ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

2	08/20/2010	BEAM LOCATION REVISED AND BEAMS ADDED PER REVISED SS-B1 DWG (BDS X1.058)
1	05/11/2010	SECTION SIZE & MARK REVISED (BDS X1.042)
0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)

SS 420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: SS-B1

MADE BY: RV | CHECKED BY: WJ | DATE: 01/21/2010

DETAILS OF: SEQUENCE 92 - PLAN (LEVELS 1~5 & HIGHER ROOF)

STRUCTURE: CHOC HOSPITAL

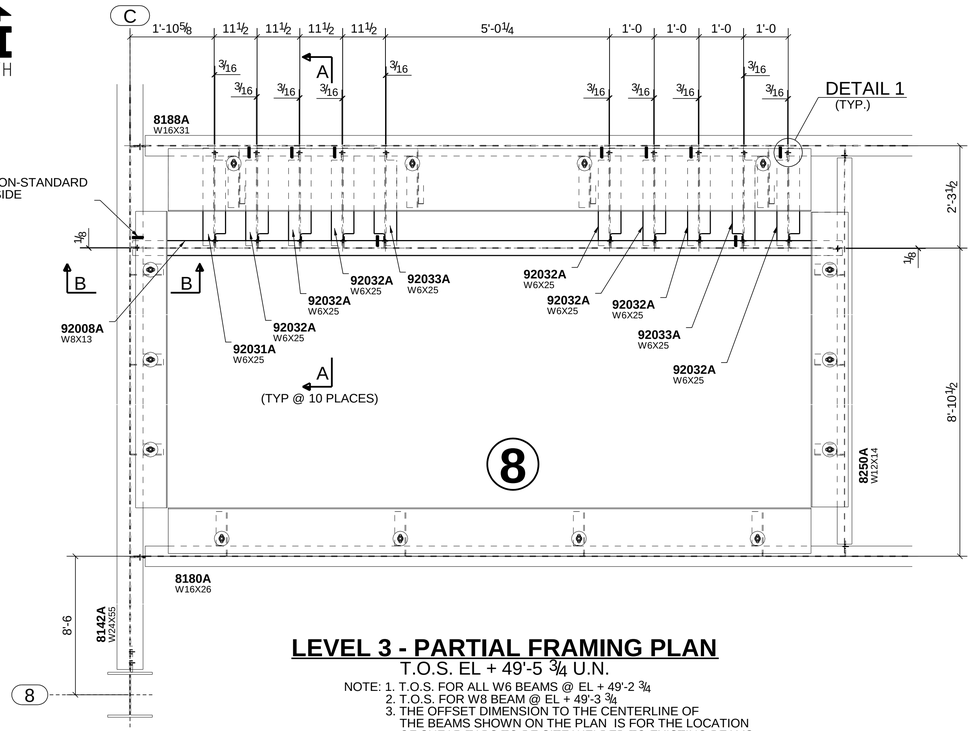
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		92	2

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92002

MODEL NAME: 2302_001_131 PLOTTED: 01:39:54pm 06/20/2010

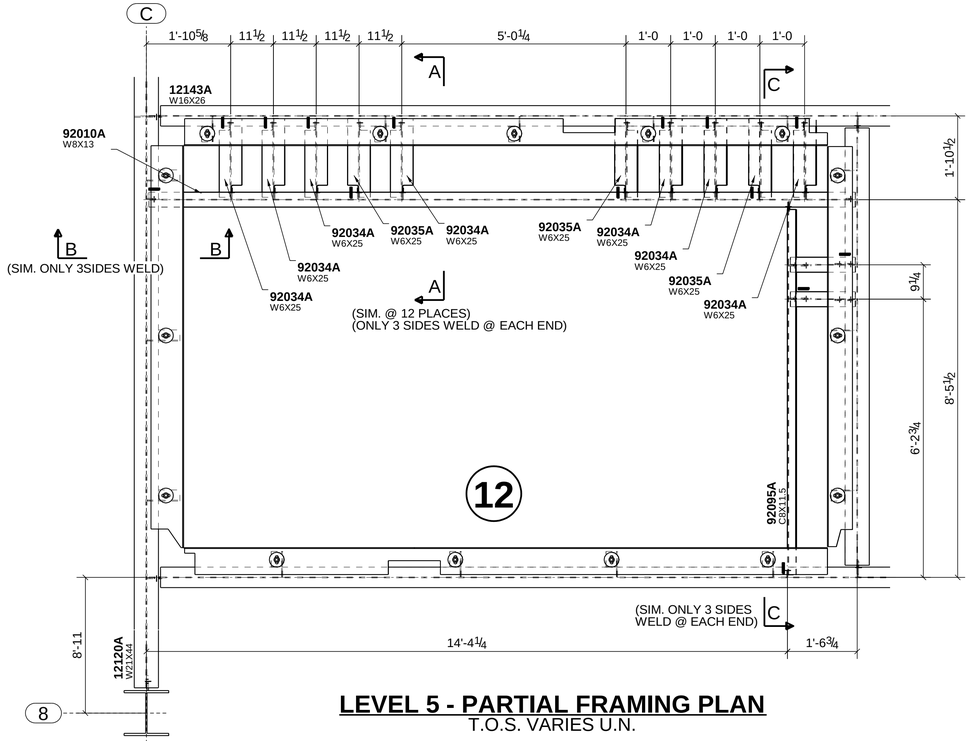
JOB NORTH



LEVEL 3 - PARTIAL FRAMING PLAN

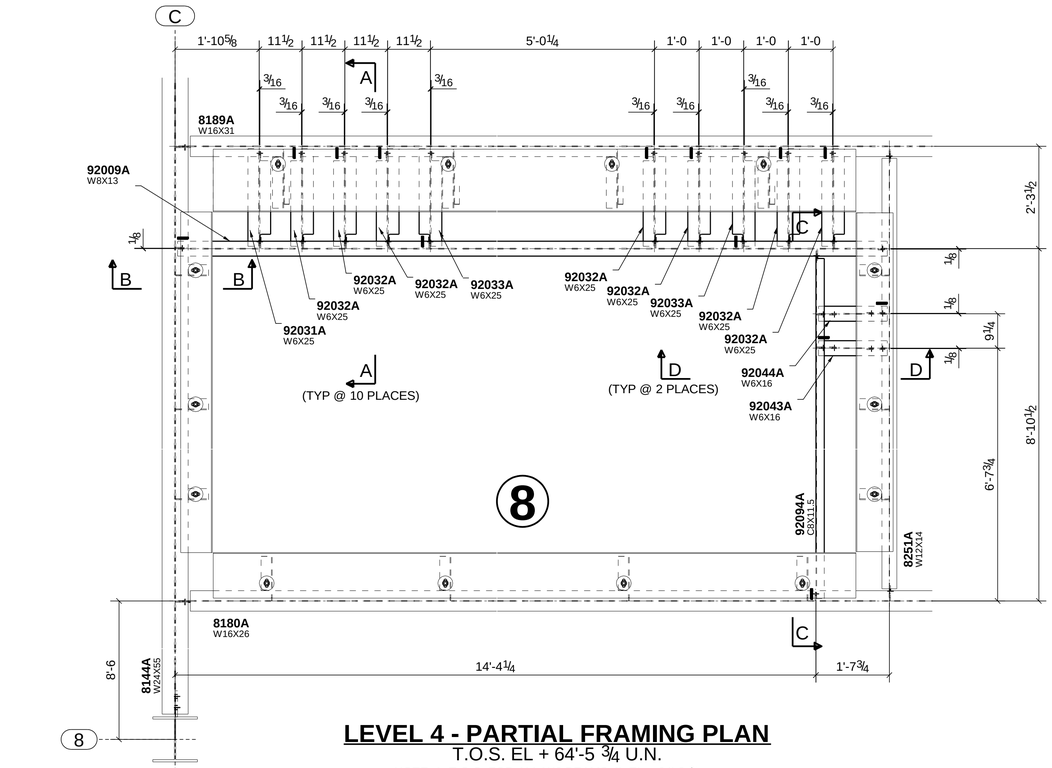
T.O.S. EL + 49'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 49'-2 3/4
2. T.O.S. FOR W8 BEAM @ EL + 49'-3 3/4
3. THE OFFSET DIMENSION TO THE CENTERLINE OF THE BEAMS SHOWN ON THE PLAN IS FOR THE LOCATION OF SHEAR TABS TO BE SITE WELDED TO EXISTING BEAMS.



LEVEL 5 - PARTIAL FRAMING PLAN

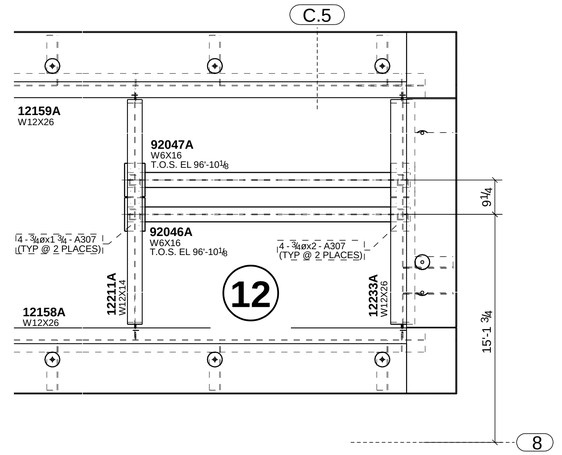
T.O.S. VARIES U.N.



LEVEL 4 - PARTIAL FRAMING PLAN

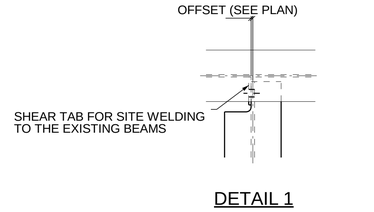
T.O.S. EL + 64'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 64'-2 3/4
2. T.O.S. FOR W8 & C8 BEAMS @ EL + 64'-3 3/4

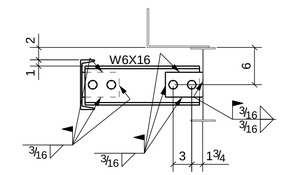


LEVEL 5 - PARTIAL HIGHER ROOF PLAN

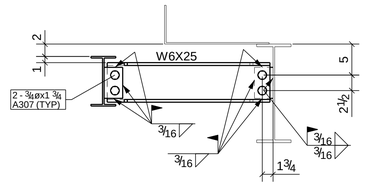
T.O.S. VARIES U.N.



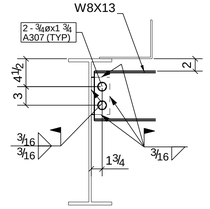
DETAIL 1



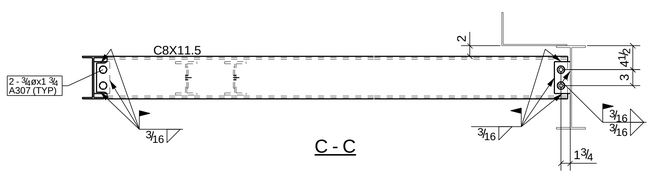
D - D



A - A



B - B
(TYP. ON BOTH ENDS)



C - C

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: SS-B2

MADE BY: RV | CHECKED BY: WJ | DATE: 01/21/2010

DETAILS OF: SEQUENCE 92 - PLAN (LEVELS 3~5 & HIGHER ROOF)

STRUCTURE: CHOC HOSPITAL

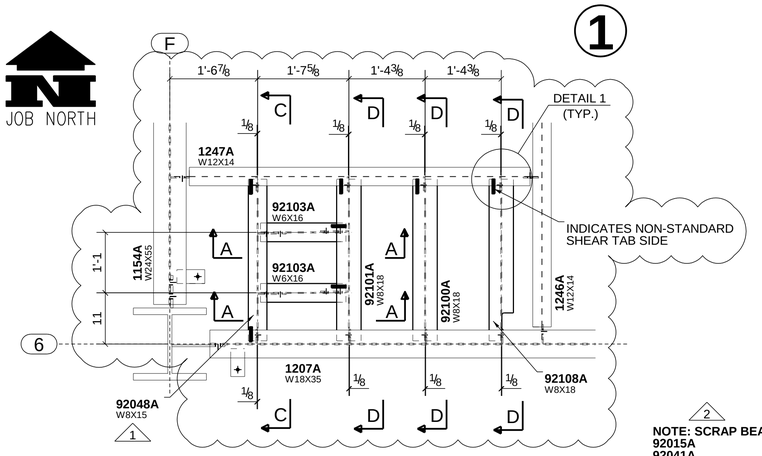
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		92	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92003

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 03:55:53pm 03/09/2010

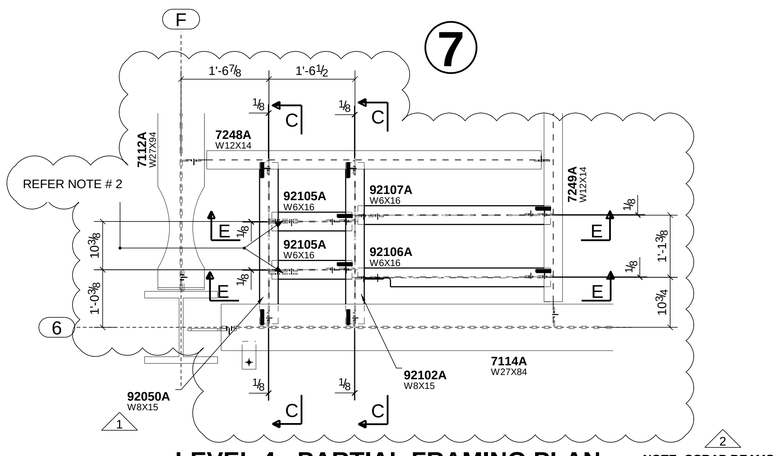


LEVEL 1 - PARTIAL FRAMING PLAN

T.O.S. EL + 16'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 16'-2 3/4
2. T.O.S. FOR W8 BEAM @ EL + 16'-3 3/4
3. THE OFFSET DIMENSION TO THE CENTERLINE OF THE BEAMS SHOWN ON THE PLAN IS FOR THE LOCATION OF SHEAR TABS TO BE SITE WELDED TO EXISTING BEAMS.

2
NOTE: SCRAP BEAMS
92015A
92041A
92042A
92051A(2)



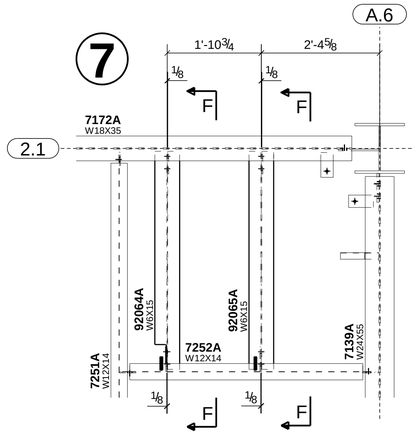
LEVEL 4 - PARTIAL FRAMING PLAN

T.O.S. EL + 64'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 64'-3 3/4

NOTE:2
REMOVE EXISTING SHEAR TABS FROM BEAM 92050A. WELD NEW SHEAR TABS PROVIDED WITH BEAMS 92105A TO 92050A.

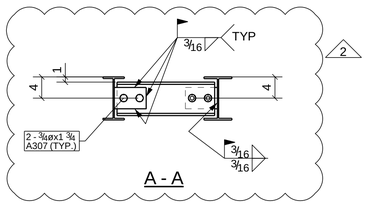
2
NOTE: SCRAP BEAMS
92052A(2)



LEVEL 4 - PARTIAL FRAMING PLAN

T.O.S. EL + 64'-5 3/4 U.N.

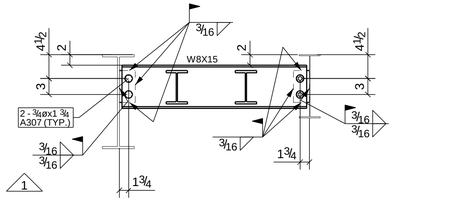
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 64'-3 3/4



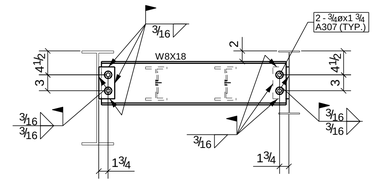
A - A

2

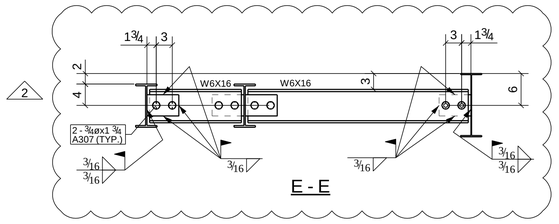
SECTION B-B DELETED



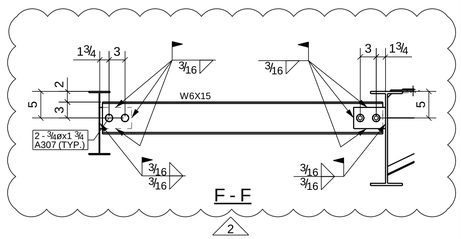
C - C



D - D



E - E



F - F

2

DETAIL 1

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

LEVEL 2 - PARTIAL FRAMING PLAN

T.O.S. EL + 34'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 34'-2 3/4
2. T.O.S. FOR W8 BEAM @ EL + 34'-3 3/4

2
NOTE: SCRAP BEAMS
92015A
92041A
92042A
92051A(2)

LEVEL 2 - PARTIAL FRAMING PLAN

T.O.S. EL + 34'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 34'-3 3/4

LEVEL 3 - PARTIAL FRAMING PLAN

T.O.S. EL + 49'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 49'-3 3/4

NOTE:2
REMOVE EXISTING SHEAR TABS FROM BEAM 92049A. WELD NEW SHEAR TABS PROVIDED WITH BEAMS 92104A TO 92049A.

2
NOTE: SCRAP BEAMS
92052A(2)

LEVEL 3 - PARTIAL FRAMING PLAN

T.O.S. EL + 49'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 49'-3 3/4

2	07/22/2010	GRID F/6 OPENING FRAMING REVISED (BDS X3.053)
1	05/11/2010	SECTION SIZE & CONNECTIONS REVISED (BDS X1.042)
0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: SS-C1 & SS-C2

MADE BY: RV | CHECKED BY: WJ | DATE: 01/21/2010

DETAILS OF: SEQUENCE 92 - PLAN (LEVELS 1~4)

STRUCTURE: CHOC HOSPITAL

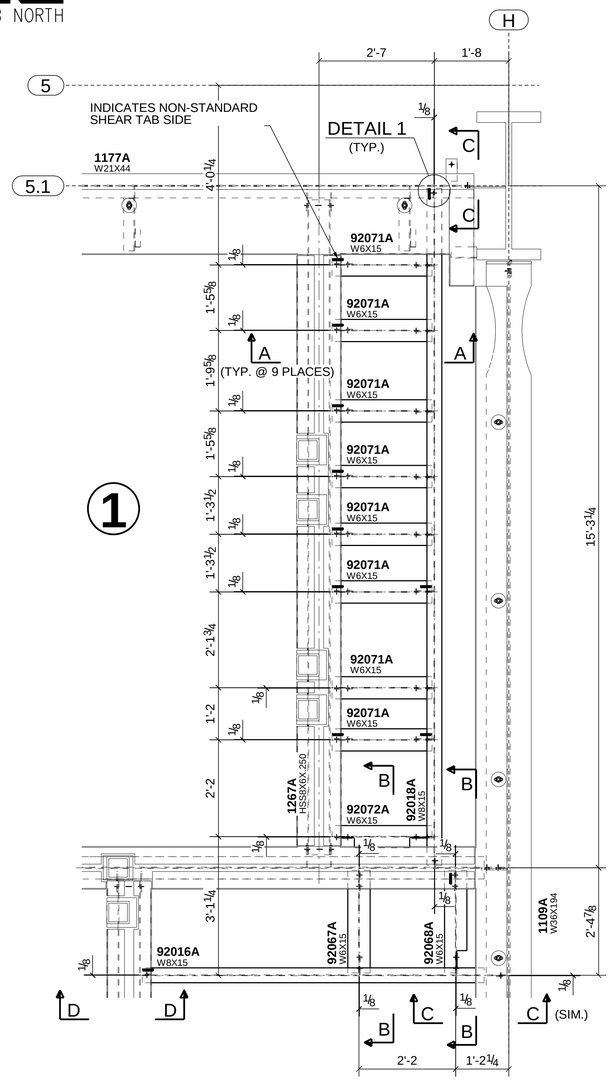
LOCATION: TOWER II

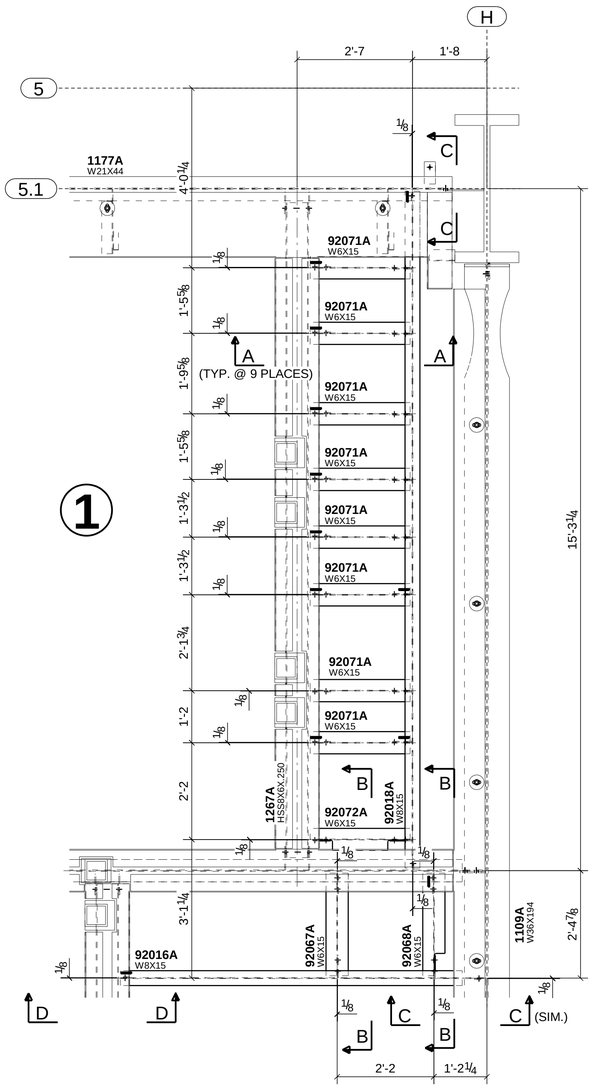
M	C	H	SEQ	REV
	X		92	2

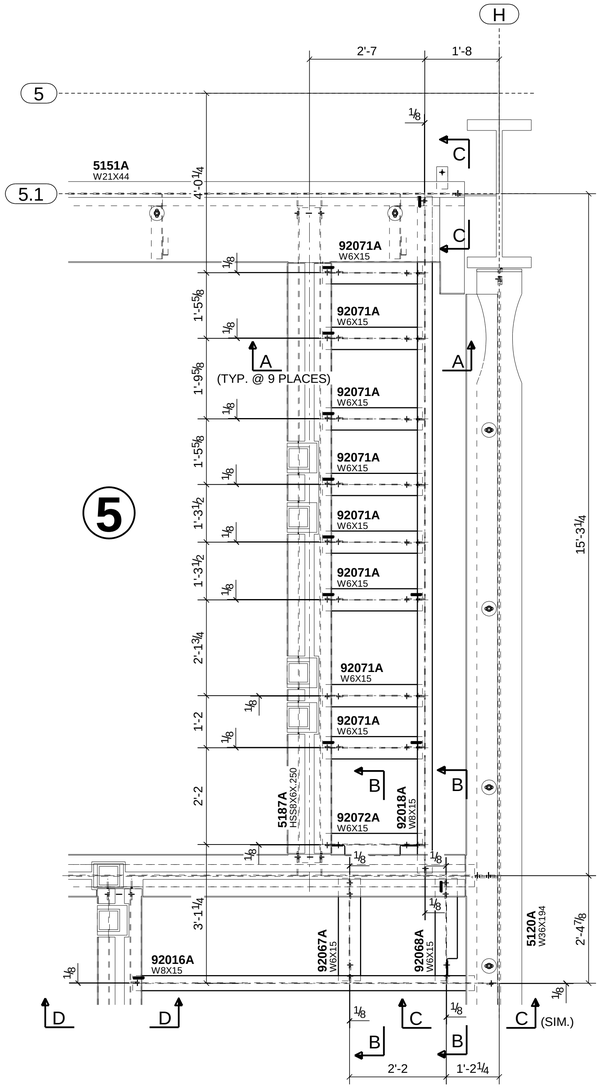
JOB NUMBER 2802 | FAB SS | SHEET NUMBER E92004

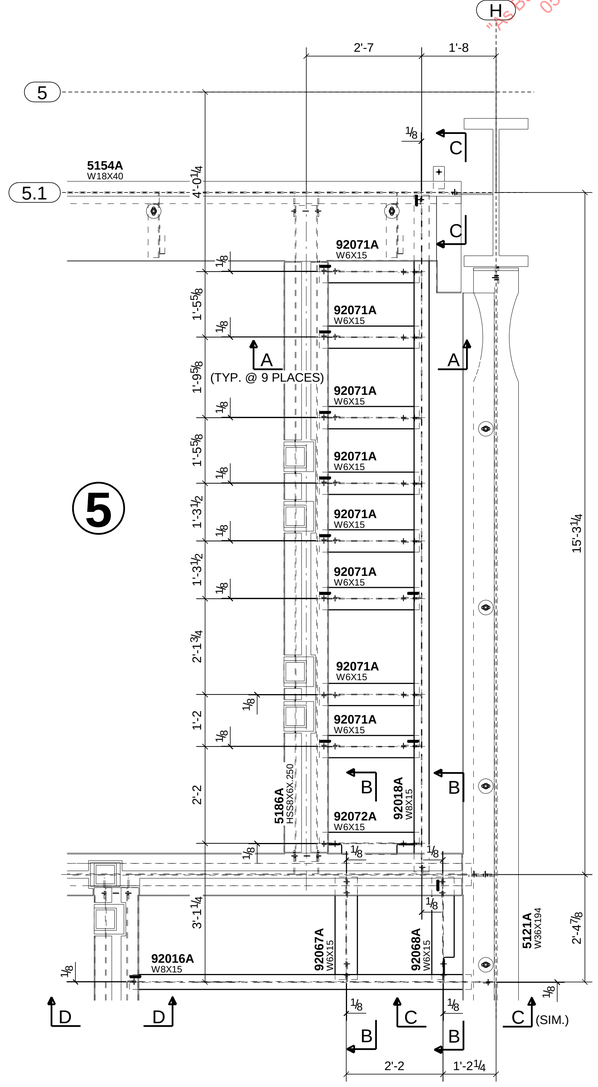
"As Built Schuff Steel" 05-10-12

JOB NORTH

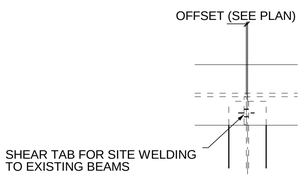




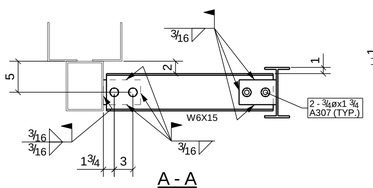




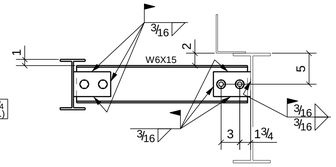
"As Built Schuff Steel" 05-10-12



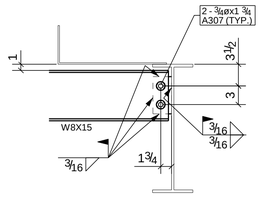
DETAIL 1



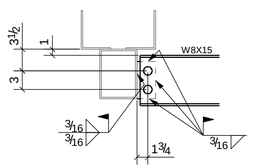
A - A



B - B



C - C
(TYP. ON BOTH ENDS)



D - D

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
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0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: SS-D1

MADE BY: RV | CHECKED BY: WJ | DATE: 01/21/2010

DETAILS OF: SEQUENCE 92 - PLAN (LEVELS 1~4)

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

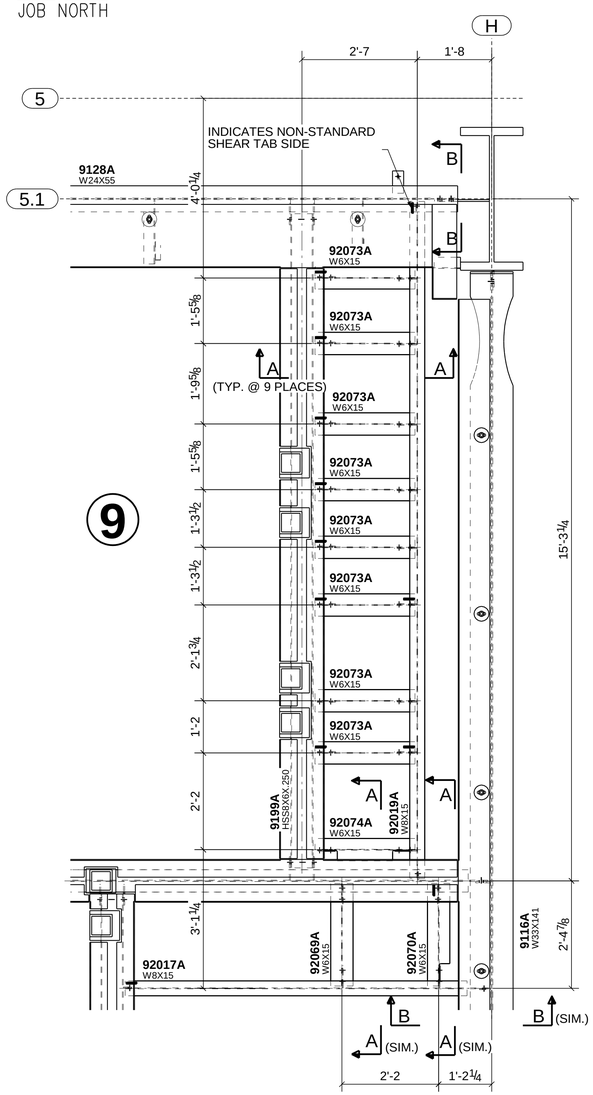
M	C	H	SEQ	REV
	X		92	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92005

MODEL NAME: 2302_001_131 PLOTTED: 03:56:11pm 03/09/2010

JOB NORTH

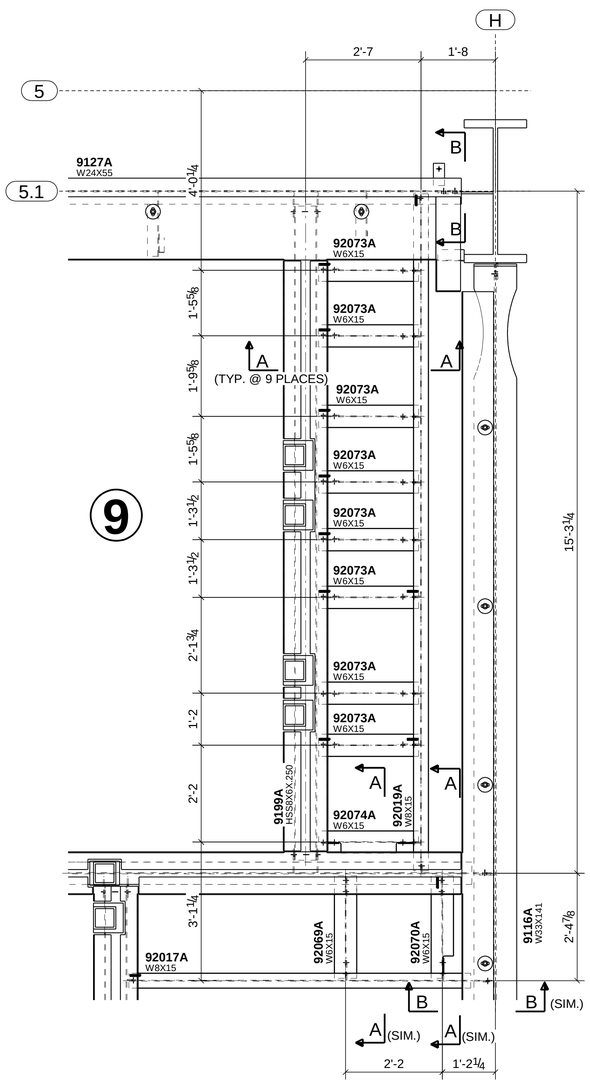
"As Built Schuff Steel" 05-10-12



LEVEL 5 - PARTIAL FRAMING PLAN

T.O.S. EL + 79'-5 3/4 U.N.

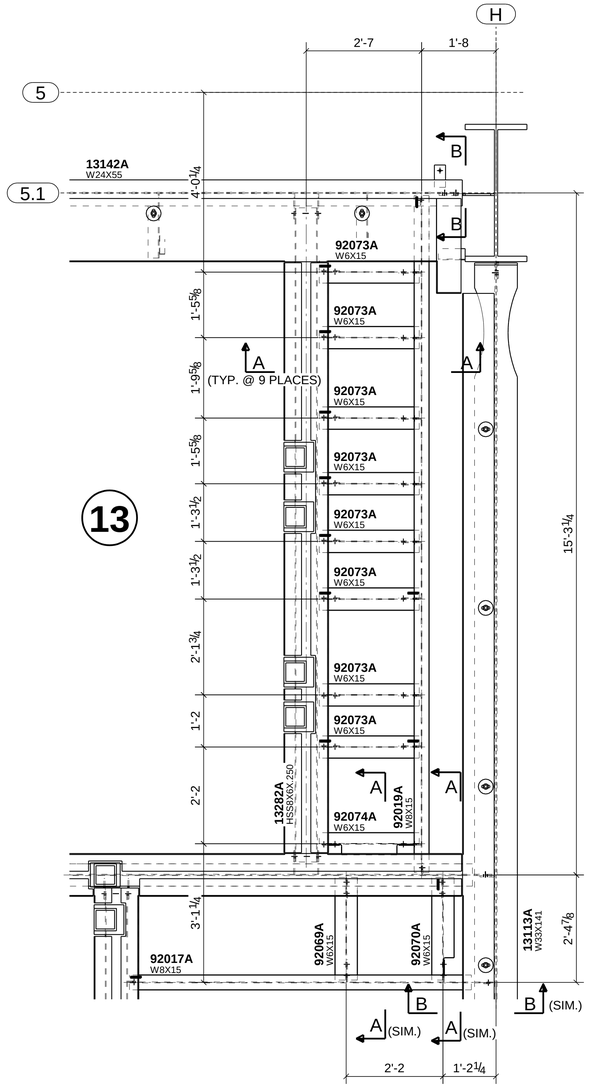
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 79'-3 3/4
2. T.O.S. FOR ALL W8 BEAMS @ EL + 79'-4 3/4



LEVEL 6 - PARTIAL FRAMING PLAN

T.O.S. EL + 94'-5 3/4 U.N.

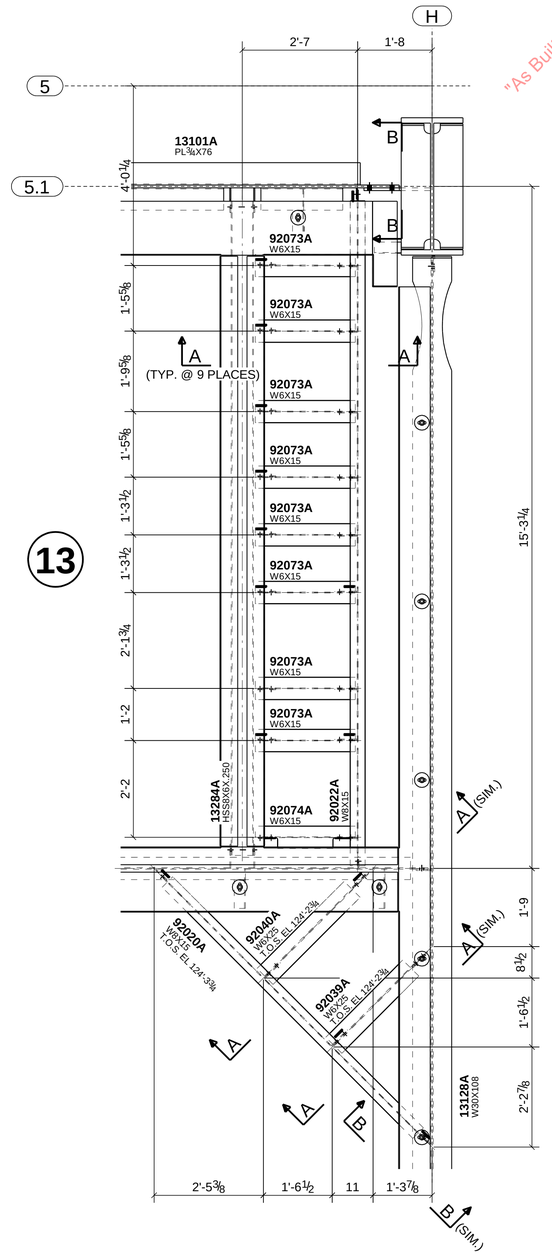
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 94'-3 3/4
2. T.O.S. FOR ALL W8 BEAMS @ EL + 94'-4 3/4



LEVEL 7 - PARTIAL FRAMING PLAN

T.O.S. EL + 109'-5 3/4 U.N.

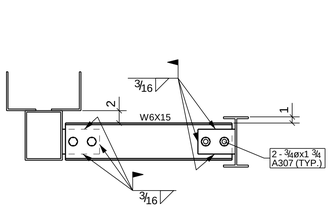
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 109'-3 3/4
2. T.O.S. FOR ALL W8 BEAMS @ EL + 109'-4 3/4



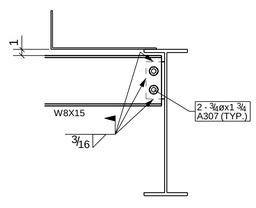
LEVEL 8 - PARTIAL ROOF FRAMING PLAN

T.O.S. EL + 124'-5 3/4 U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 124'-3 3/4 U.N.
2. T.O.S. FOR ALL W8 BEAMS @ EL + 124'-4 3/4 U.N.



A - A



B - B
(TYP. ON BOTH ENDS)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)			

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: SS-D1 & SS-D2

MADE BY: RV | CHECKED BY: WJ | DATE: 01/21/2010

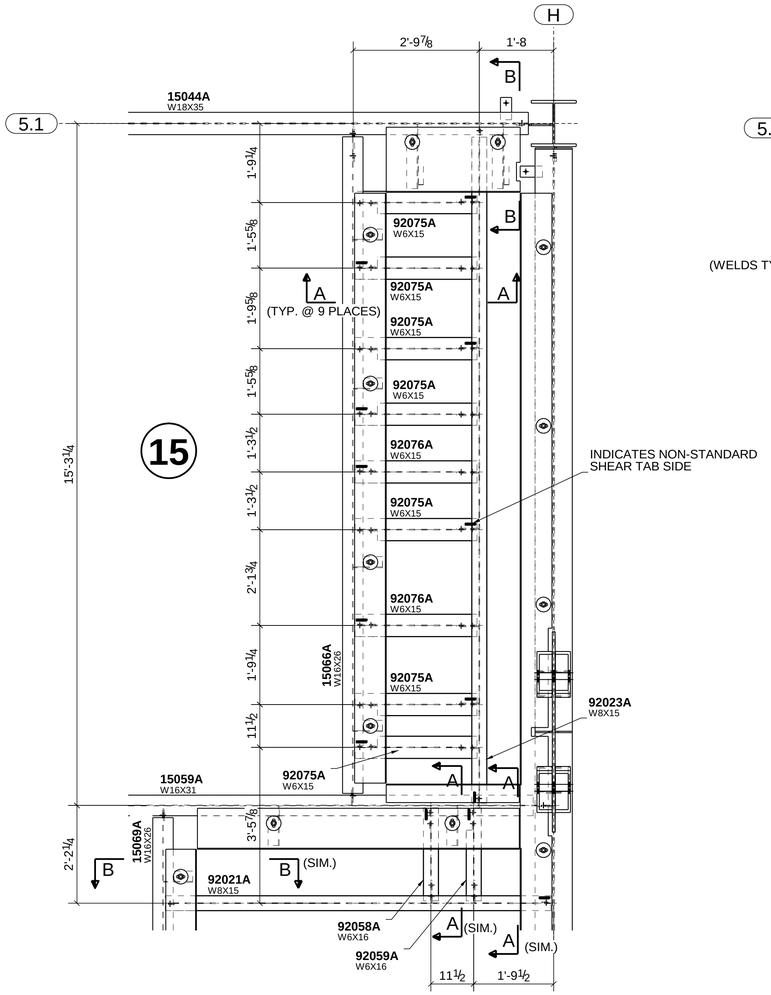
DETAILS OF: SEQUENCE 92 - PLAN (LEVELS 5~8)
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		92	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92006

MODEL NAME: 2302_001_131 PLOTTED: 03:56:19pm 03/09/2010

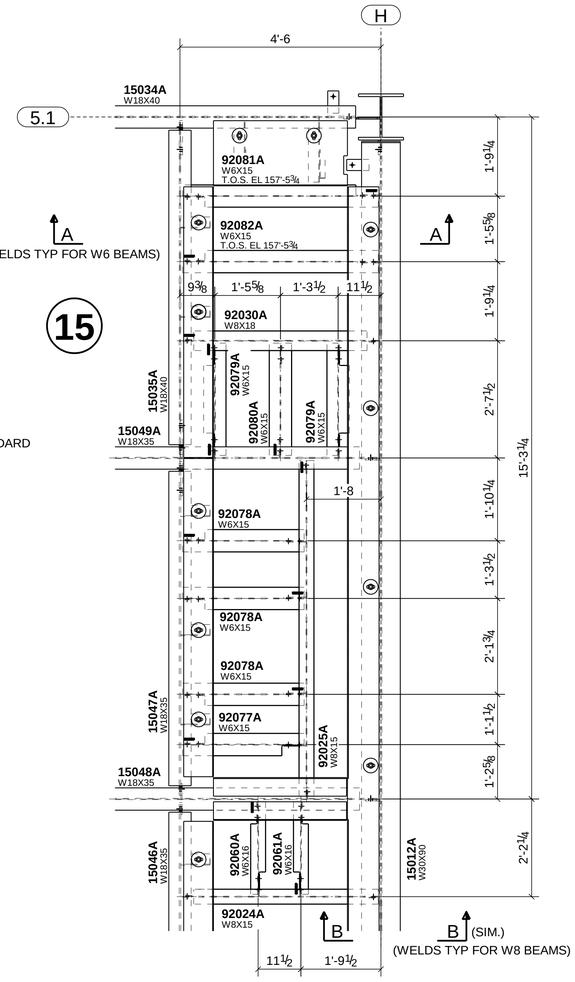
JOB NORTH



PENTHOUSE 2 - PARTIAL FRAMING PLAN

T.O.S. EL + 139'-5 ¾ U.N.

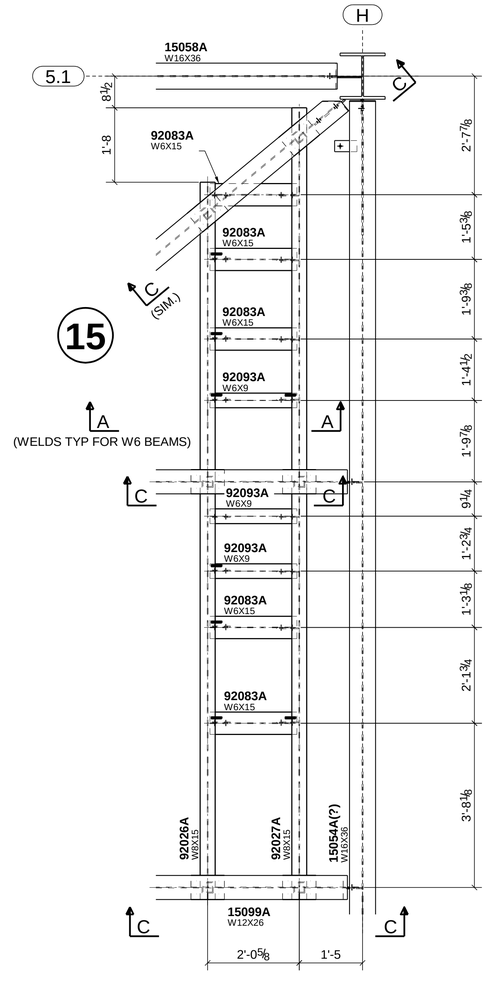
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 139'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 139'-3 ¾



PENTHOUSE 3 - PARTIAL FRAMING PLAN

T.O.S. EL + 157'-7 ¾ U.N.

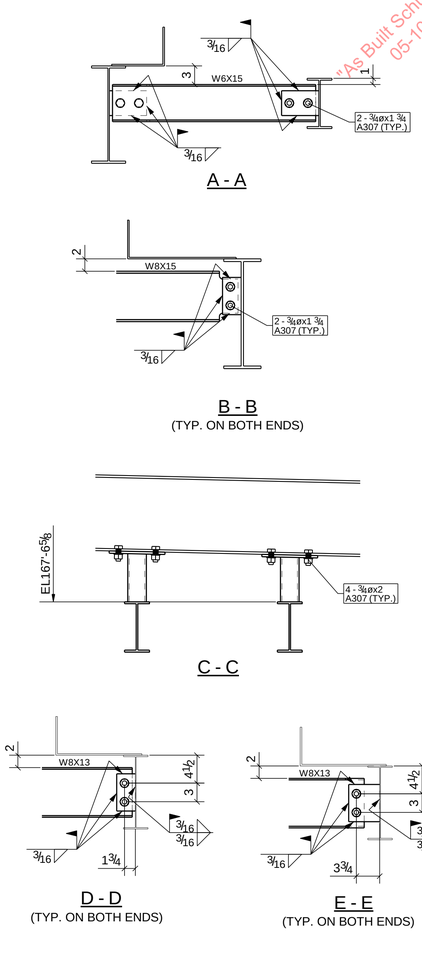
NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 157'-4 ¾ U.N.
2. T.O.S. FOR ALL W8 BEAMS @ EL + 157'-5 ¾

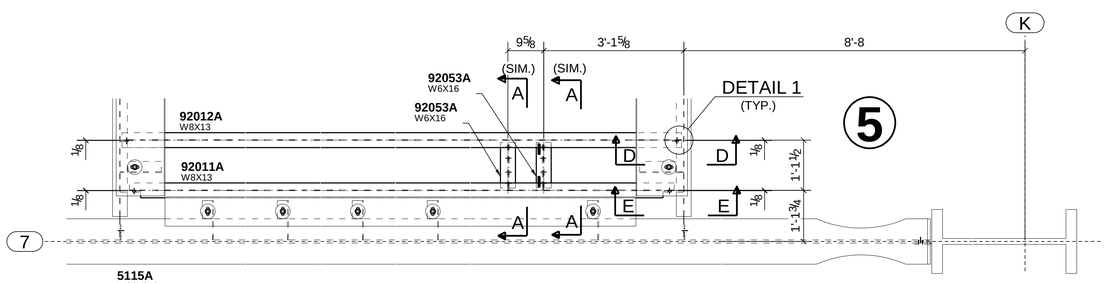


PENTHOUSE ROOF - PARTIAL FRAMING PLAN

T.O.S. VARIES U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 167'-5 ⅝
2. T.O.S. FOR ALL W8 BEAMS @ EL + 167'-6 ⅝

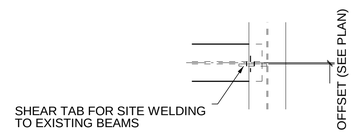




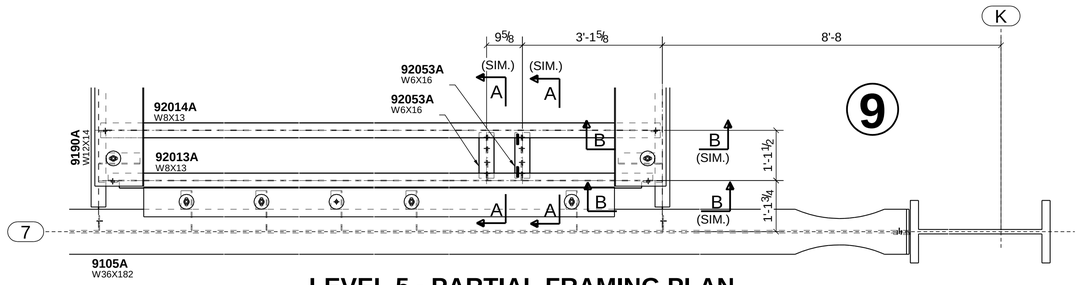
LEVEL 4 - PARTIAL FRAMING PLAN

T.O.S. EL + 64'-5 ¾ U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 64'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 64'-3 ¾
3. THE OFFSET DIMENSION TO THE CENTERLINE OF THE BEAMS SHOWN ON THE PLAN IS FOR THE LOCATION OF SHEAR TABS TO BE SITE WELDED TO EXISTING BEAMS.



DETAIL 1



LEVEL 5 - PARTIAL FRAMING PLAN

T.O.S. EL + 79'-5 ¾ U.N.

NOTE: 1. T.O.S. FOR ALL W6 BEAMS @ EL + 79'-2 ¾
2. T.O.S. FOR ALL W8 BEAMS @ EL + 79'-3 ¾

ERECTION NOTES

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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"AS Built Schuff Steel" 05-10-12

0	03/09/2010	ISSUED FOR APPROVAL / CONSTRUCTION (BDS X1.019)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: SS-D2 & SS-D3

MADE BY: RV | CHECKED BY: WJ | DATE: 01/21/2010

DETAILS OF: SEQUENCE 92 - PLAN (PH# 2~ROOF & Lvls. 4 & 5)

STRUCTURE: CHOC HOSPITAL

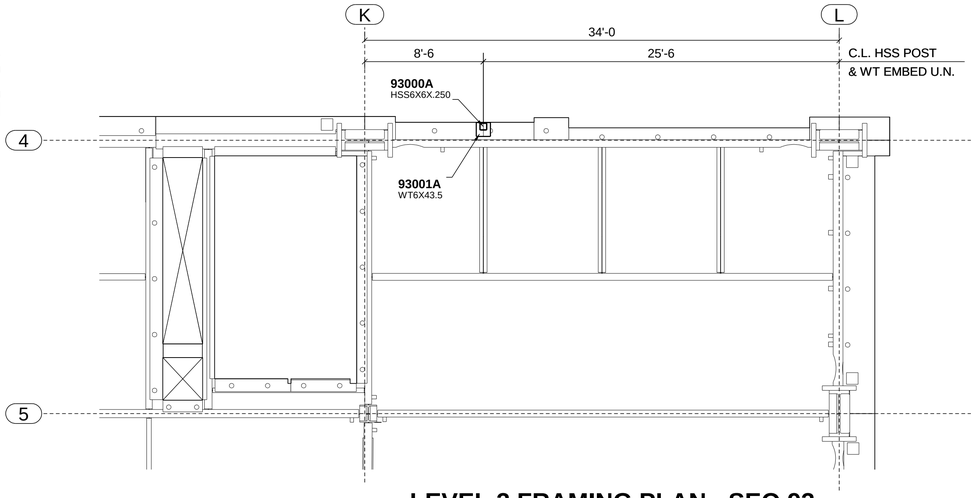
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		92	0

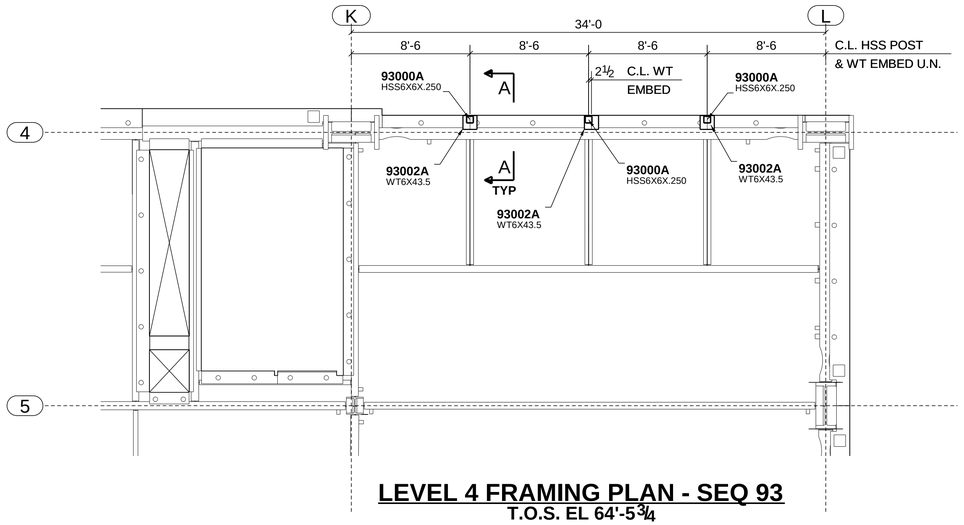
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E92007

MODEL NAME: 2302_001_131 PLOTTED: 03:56:26pm 03/09/2010

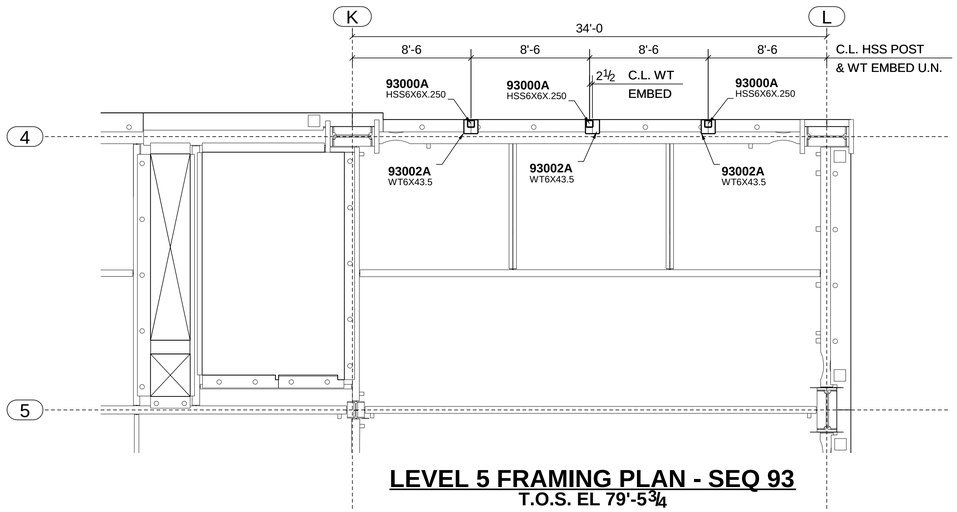
JOB NORTH



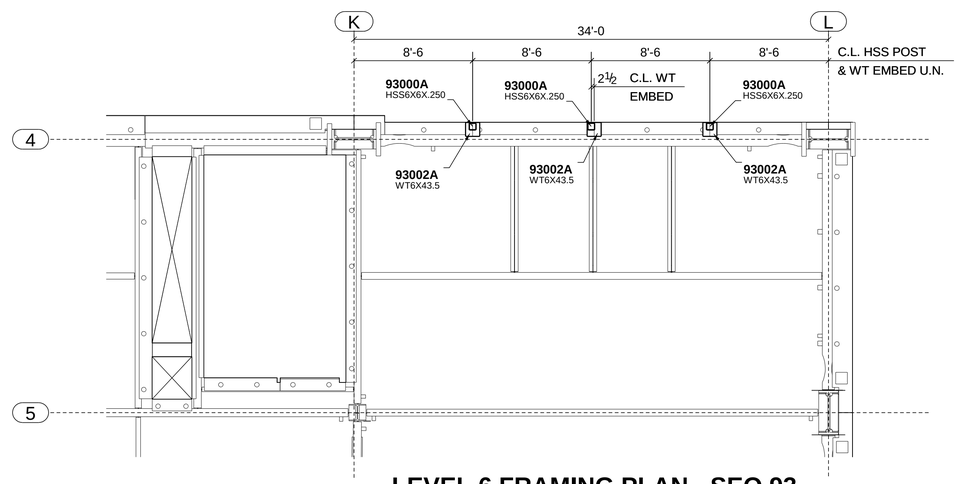
LEVEL 3 FRAMING PLAN - SEQ 93
T.O.S. EL 49'-5¾



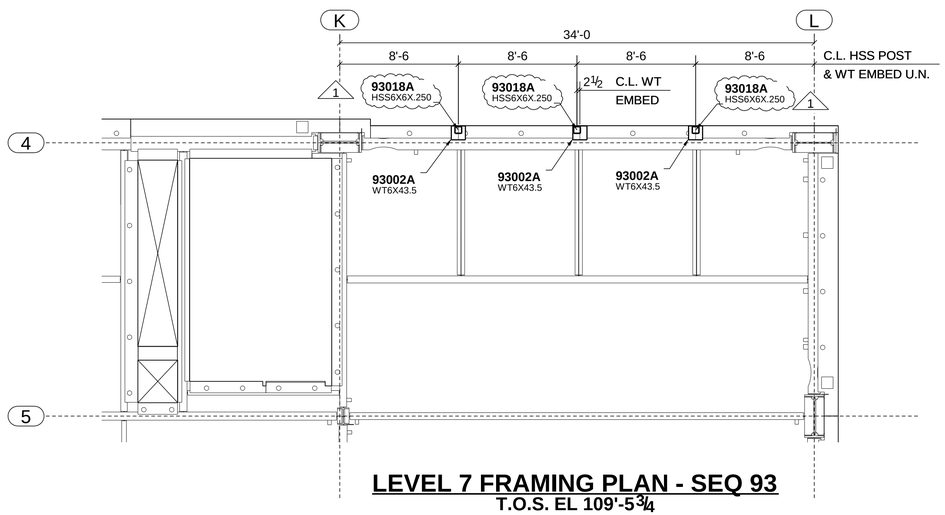
LEVEL 4 FRAMING PLAN - SEQ 93
T.O.S. EL 64'-5¾



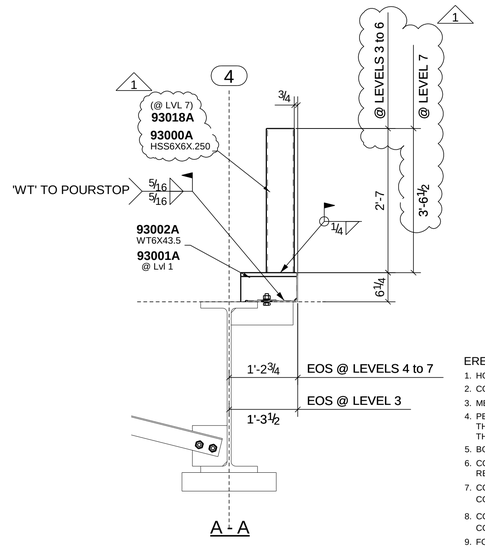
LEVEL 5 FRAMING PLAN - SEQ 93
T.O.S. EL 79'-5¾



LEVEL 6 FRAMING PLAN - SEQ 93
T.O.S. EL 94'-5¾



LEVEL 7 FRAMING PLAN - SEQ 93
T.O.S. EL 109'-5¾



ERECTION NOTES
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2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

1	08/23/2010	POST HEIGHT REVISED PER SCHUFF RFI # 667 RESPONSE FROM CAPARELLI
0	06/04/2010	ISSUED FOR CONSTRUCTION (BDS X1.027)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: C6/A5.2 & B2/S1.2

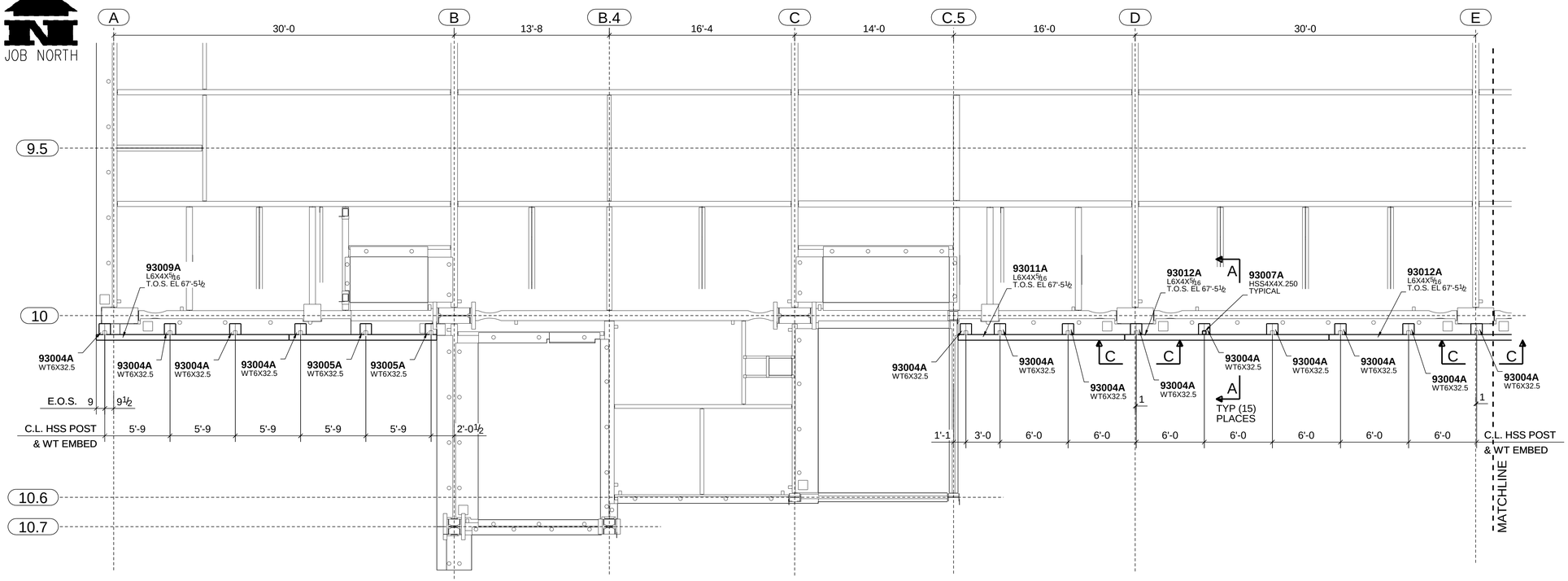
MADE BY: BM | CHECKED BY: WJ | DATE: 06/03/2010

DETAILS OF: NORTH ELEVATION WINDOW SILL SUPPORTS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		93	1

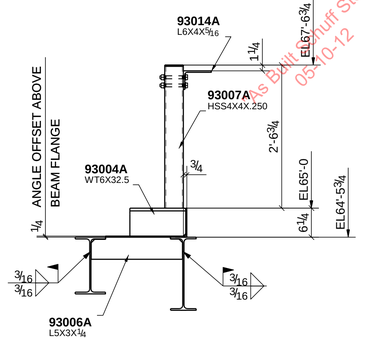
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E93000

MODEL NAME: 2302_001_131 PLOTTED: 08:32:07am 06/23/2010



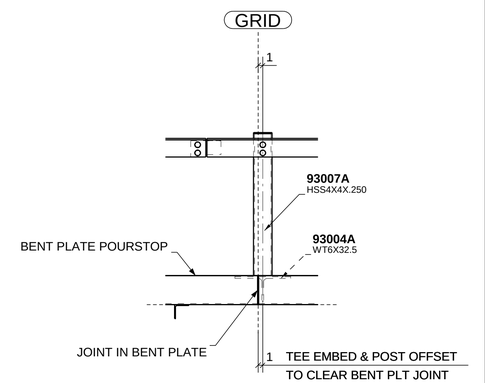
LEVEL 4 FRAMING PLAN - SEQ 93
T.O.S. EL 64'-5¾

LEVEL 4 FRAMING PLAN - SEQ 93
T.O.S. EL 64'-5¾

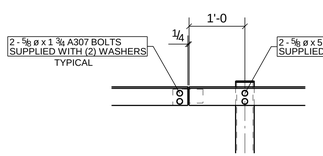


D - D

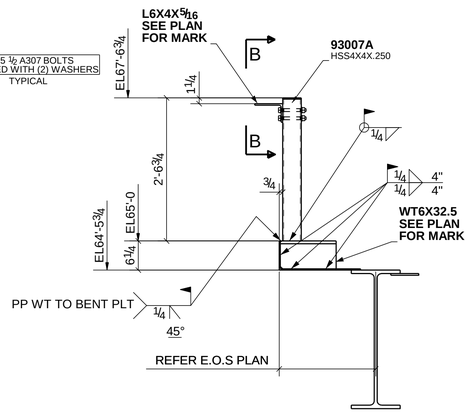
NOTE: REFER SECTION A-A FOR FIELD WELD INFORMATION NOT SHOWN



C - C



B - B



A - A

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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0	07/30/2010 ISSUED FOR CONSTRUCTION (BDS X1.027)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: C6/A5.2 & B2/S1.2

MADE BY: BM | CHECKED BY: WJ | DATE: 06/25/2010

DETAILS OF: SOUTH ELEVATION - LEVEL 4 - PARAPET SUPPORTS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

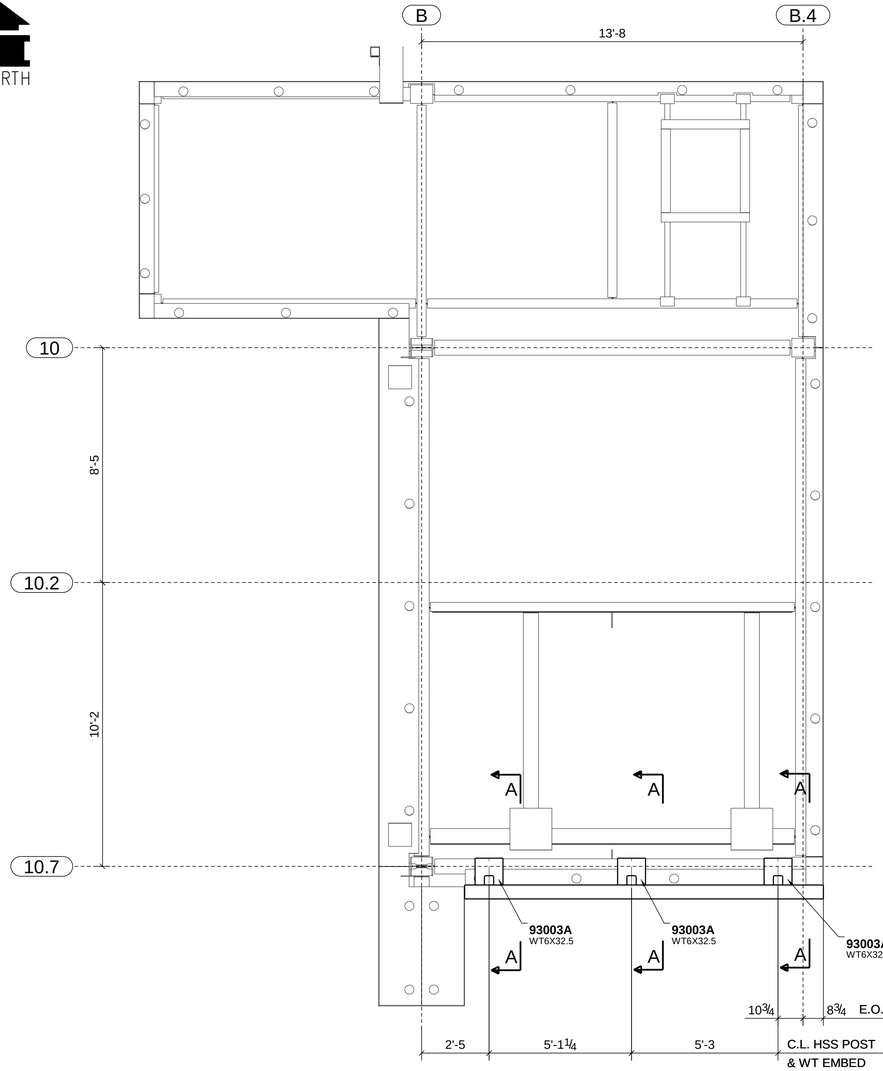
M	C	H	SEQ	REV
	X		93	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E93001

As Built Schuff Steel 05-10-12

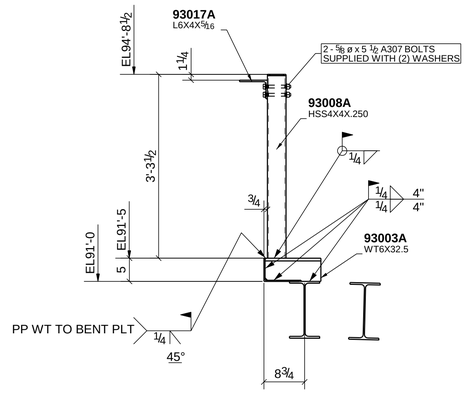
"As Built Schuff Steel"
05-10-12

JOB NORTH



LEVEL 5 - STAIR # 3 ROOF FRAMING PLAN - SEQ 93

T.O.S. EL 91'-5



A - A

ERECTION NOTES

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0	07/30/2010	ISSUED FOR CONSTRUCTION (BDS X1.027)				

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: C6/A5.2 & B2/S1.2

MADE BY: BM | CHECKED BY: WJ | DATE: 06/25/2010

DETAILS OF: SOUTH ELEVATION - STAIR # 3 ROOF - PARAPET SUP

STRUCTURE: CHOC HOSPITAL

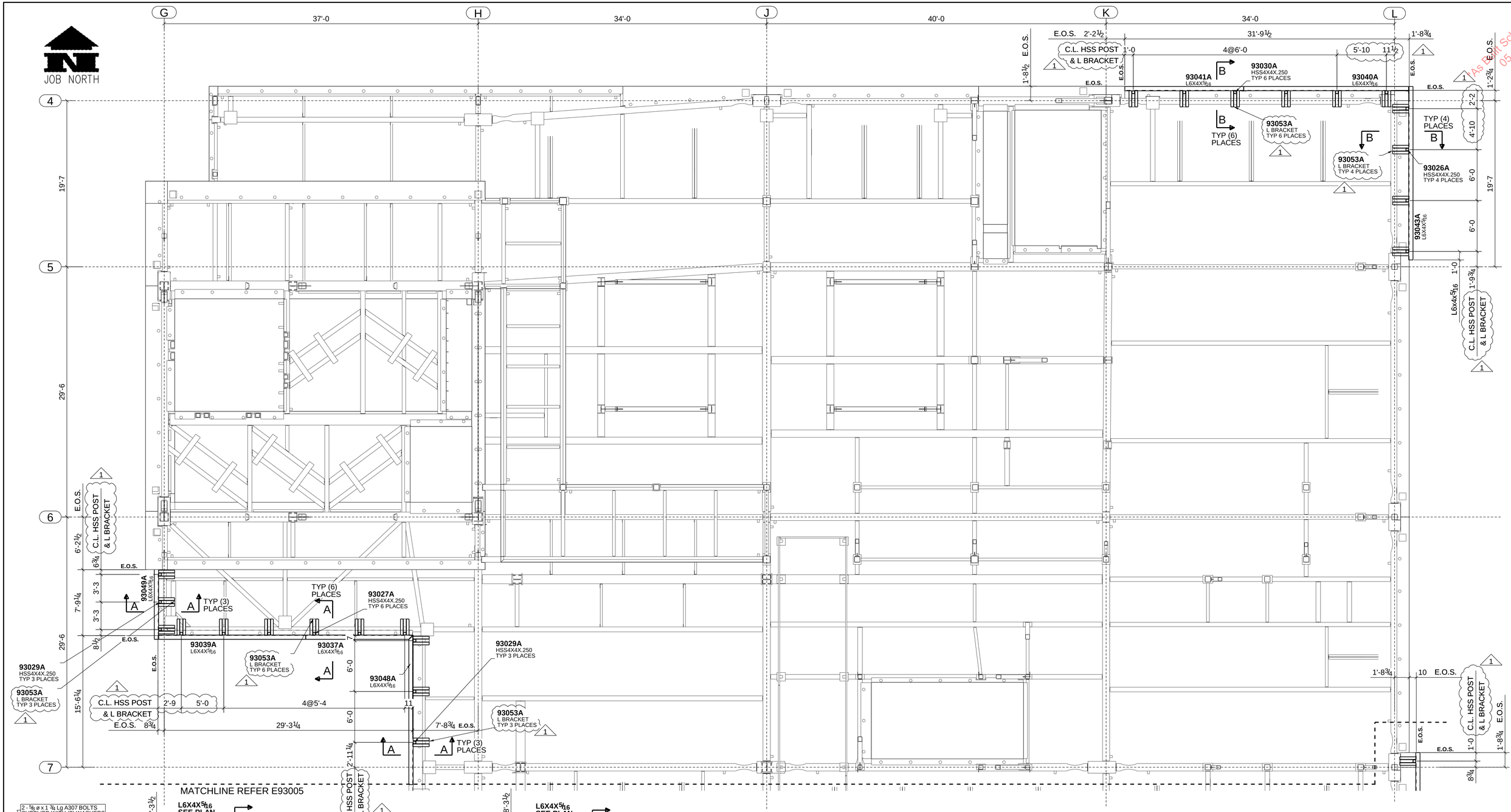
LOCATION: TOWER II

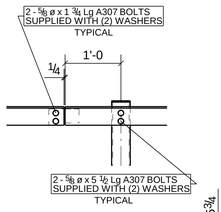
M	C	H	SEQ	REV
	X		93	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E93002

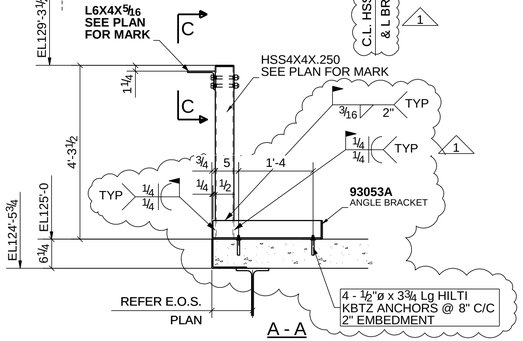
MODEL NAME: 2352_001_131 PLOTTED: 07:46:27am 07/30/2010

JOB NORTH

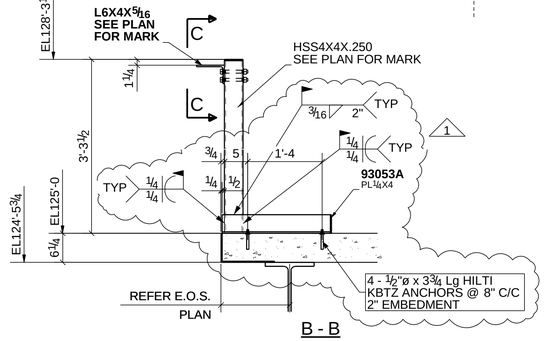




C - C



A - A



B - B

ROOF FRAMING PLAN - SEQ 93

T.O.S. EL 124'-5¾

ERECTION NOTES

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1	10/13/2010	DETAILS AND DIMENSIONS REVISED PER SCHUFF RFI # 688 (BDS X1.027)
0	09/03/2010	ISSUED FOR CONSTRUCTION (BDS X1.027)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE:	A5/S1.2				
MADE BY: BM	CHECKED BY: WJ	DATE: 06/25/2010	M	C	H
DETAILS OF:	LEVEL 8 - PARAPET SUPPORTS				
STRUCTURE:	CHOC HOSPITAL				
LOCATION:	TOWER II				

SEQ	REV
93	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E93004

As Built Schuff Steel 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 11:25:17am 10/13/2010

JOB NORTH

H J K L

34'-0 40'-0 34'-0

7 8 9 10

29'-6 29'-6 29'-6

MATCHLINE REFER E93004

MATCHLINE REFER E93006

93053A L BRACKET TYP 3 PLACES

93029A HSS4X4X.250 TYP 3 PLACES

TYP (3) PLACES A (E93004)

93050A L6X4X5/16

TYP (2) PLACES A (E93004)

93027A HSS4X4X.250

93053A L BRACKET TYP 2 PLACES

93038A L6X4X5/16

93047A L6X4X5/16

C.L. HSS POST & L BRACKET

93053A L BRACKET TYP 3 PLACES

TYP (2) PLACES A (E93004)

93019A WT6X32.5

93046A L6X4X5/16

93052A L6X4X5/16

93029A HSS4X4X.250 TYP 13 PLACES

TYP (11) PLACES A

93053A L BRACKET TYP 5 PLACES

TYP (5) PLACES D

93041A L6X4X5/16

93025A HSS4X4X.250 TYP 5 PLACES

93052A L6X4X5/16

TYP (11) PLACES C

93025A HSS4X4X.250 TYP 16 PLACES

93042A L6X4X5/16

93032A L6X4X5/16

93033A L6X4X5/16

(0, 0) COORDINATES @ GRID 1/A
X = - 71'-7 3/4
Y = - 184'-5 7/16

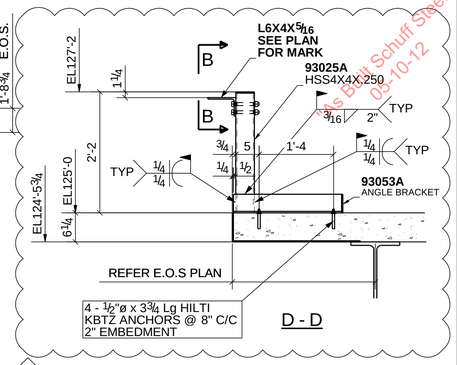
R 401'-4 3/4 E.O.S.

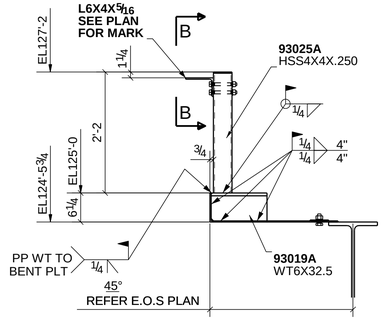
C.L. HSS POST & WT EMBED

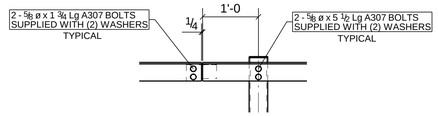
C.L. HSS POS & L BRACKET

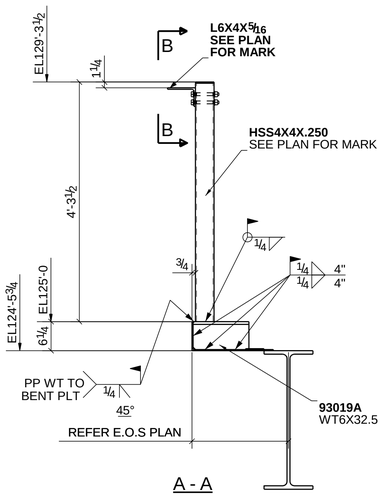
C.L. HSS POST & WT EMBED

E.O.S. 1'-8 3/4









ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

ROOF FRAMING PLAN - SEQ 93

T.O.S. EL 124'-5 3/4

1	10/13/2010	DETAILS AND DIMENSIONS REVISED PER SCHUFF RFI # 688 (BDS X1.027)
0	09/03/2010	ISSUED FOR CONSTRUCTION (BDS X1.027)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: A5/S1.2

MADE BY: BM | CHECKED BY: WJ | DATE: 06/25/2010

DETAILS OF: LEVEL 8 - PARAPET SUPPORTS

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

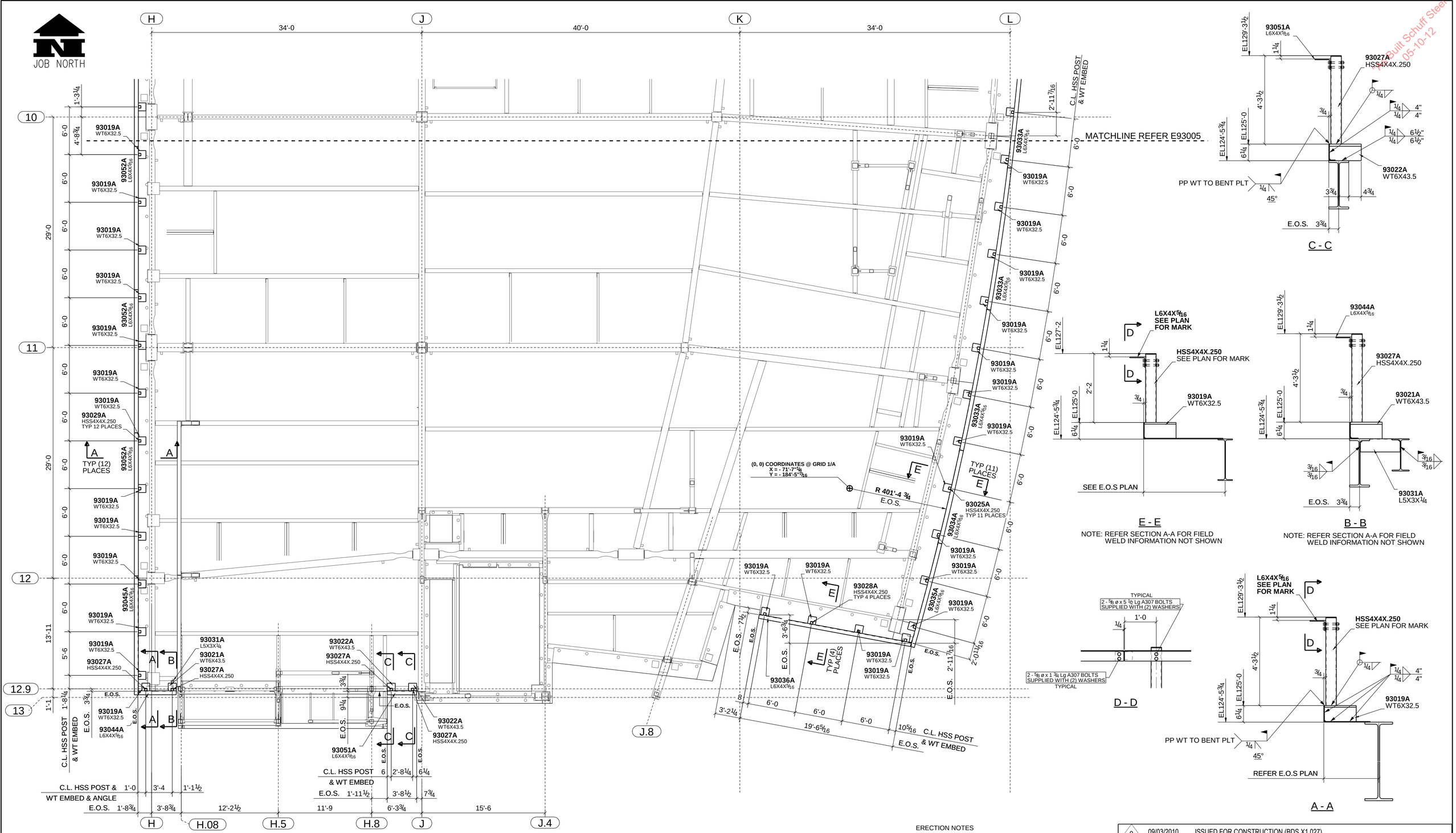
M	C	H	SEQ	REV
	X		93	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E93005

Bds By Schuff Steel 09-10-12

MODEL NAME: 2352_001_131 PLOTTED: 11:25:24am 10/13/2010

JOB NORTH



NOTE: REFER SECTION A-A FOR FIELD WELD INFORMATION NOT SHOWN

NOTE: REFER SECTION A-A FOR FIELD WELD INFORMATION NOT SHOWN

ROOF FRAMING PLAN - SEQ 93

T.O.S. EL 124'-5 3/4

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	09/03/2010 ISSUED FOR CONSTRUCTION (BDS X1.027)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: A5/S1.2					
MADE BY: BM	CHECKED BY: WJ	DATE: 06/25/2010	M	C	H
DETAILS OF: LEVEL 8 - PARAPET SUPPORTS					
STRUCTURE: CHOC HOSPITAL					
LOCATION: TOWER II					

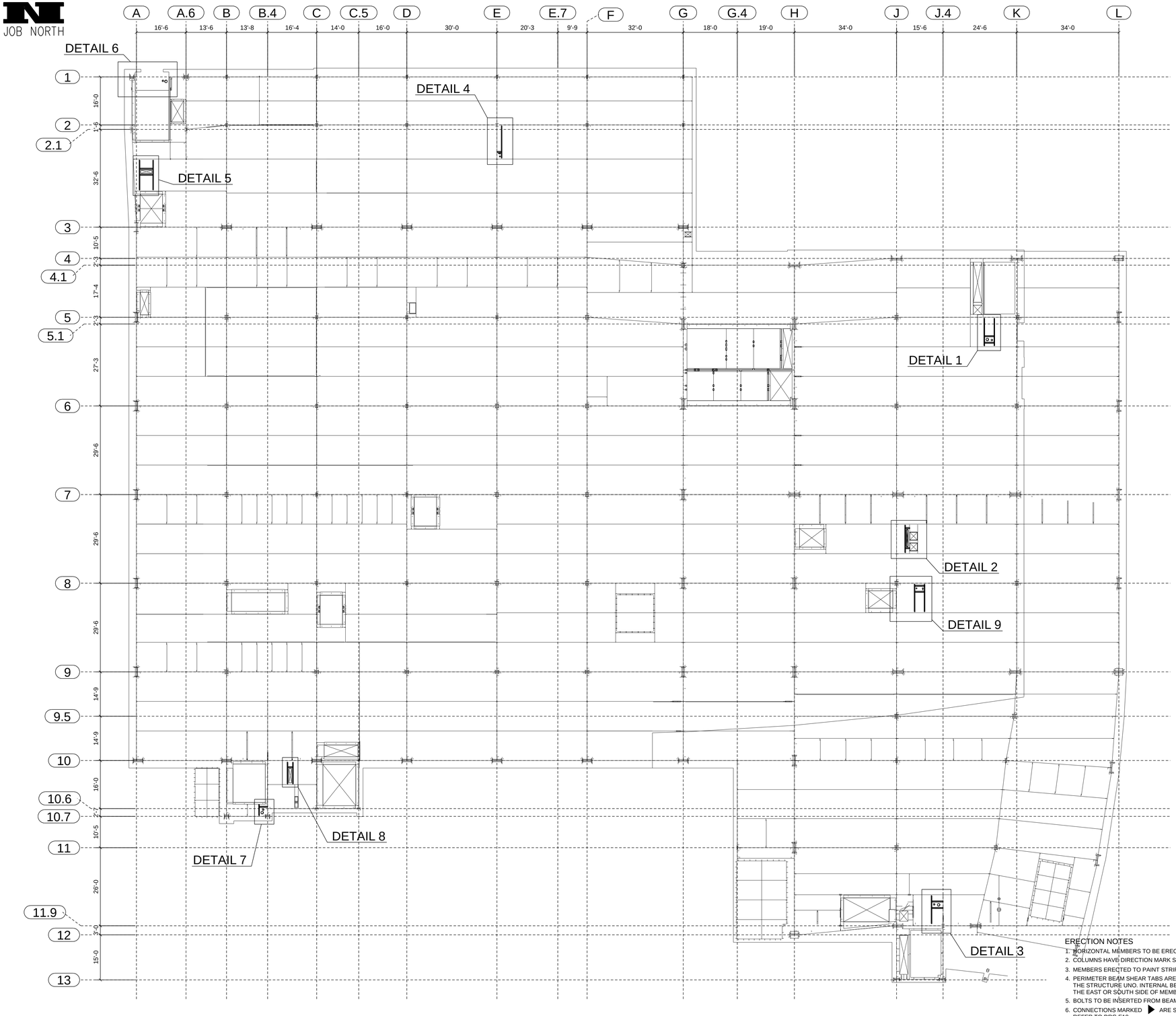
SEQ	REV
93	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E93006

As Built Schuff Steel 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 09:53:08am 09/03/2010

JOB NORTH



"As Built Schuff Steel"
05-10-12

LEVEL 1 - DECK PENETRATION SUPPORT STEELWORK

NOTE: REFER TO E94001 FOR DETAILS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
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0	02/23/2010	ISSUED FOR CONSTRUCTION (BDS X3.041)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.1

MADE BY: BM | CHECKED BY: WJ | DATE: 04/19/2010

DETAILS OF: LEVEL 1 - DECK PEN. SUPPORT STEELWORK

STRUCTURE: CHOC HOSPITAL

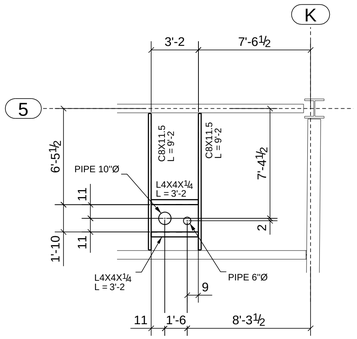
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		94	0

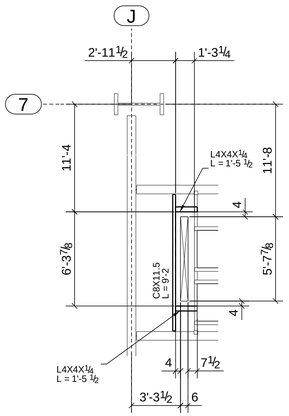
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94000

MODEL NAME: 2302_001_131 PLOTTED: 01:55:20pm 04/23/2010

"As Built Schuff Steel"
05-10-12



DETAIL 1
(REFER E94000)
PER RFI MCC#228 (SS#535, BDS#362)



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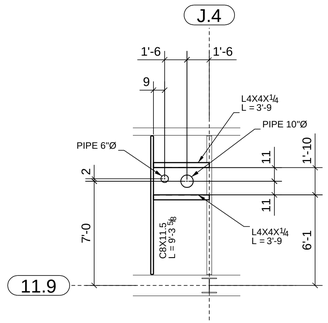

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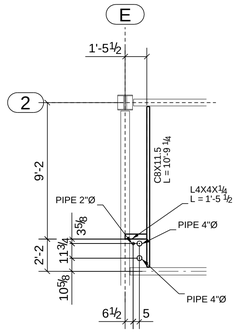

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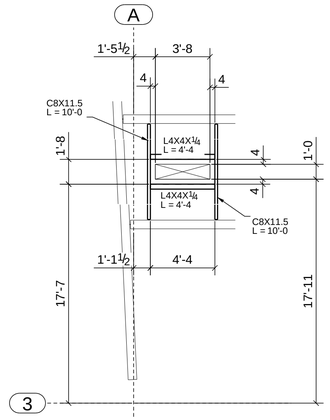

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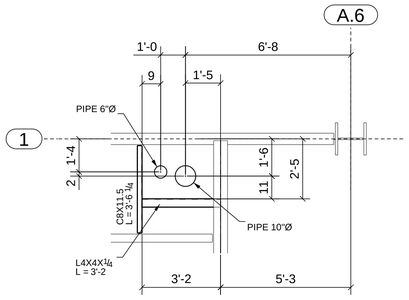

DETAIL 6
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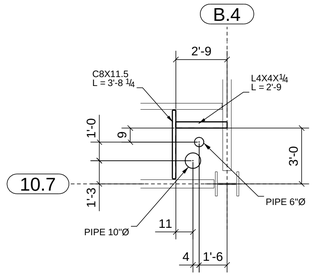
PER RFI MCC#228 (SS#535, BDS#362)



DETAIL 7
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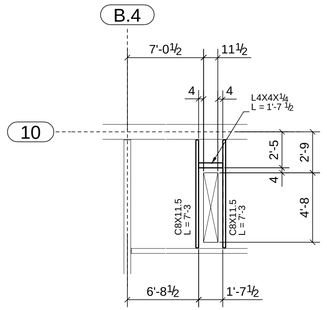
PER RFI MCC#228 (SS#535, BDS#362)



DETAIL 8
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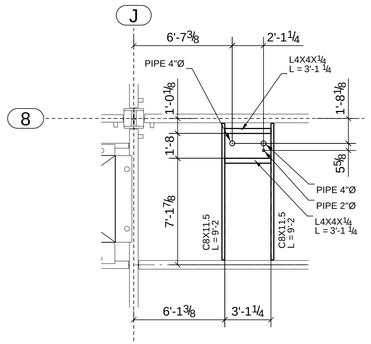
PER RFI MCC#228 (SS#535, BDS#362)



DETAIL 9
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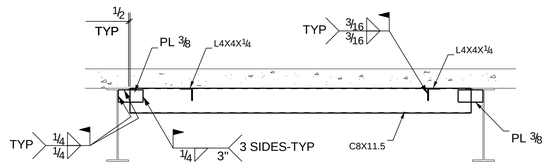

TYPICAL SITE WELDING CONNECTIONS

B1/S1.1 ALTERNATE CONFIRMED IN RFI MCC#1262 (SS#537, BDS#369)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
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4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	02/23/2010	ISSUED FOR CONSTRUCTION (BDS X3.041)				

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

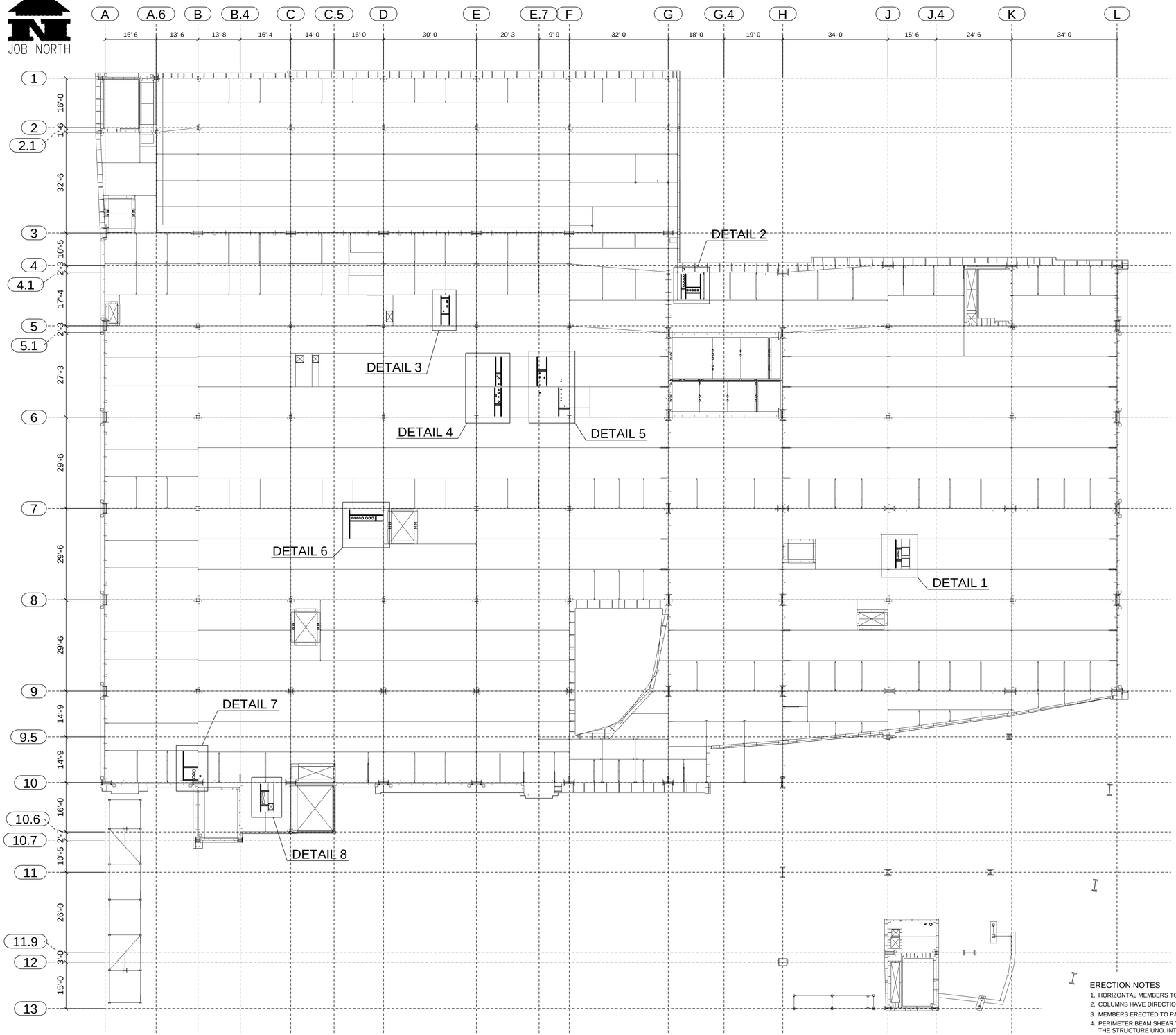
DESIGN DRAWING REFERENCE: S2.1

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	04/19/2010		X		94	0

DETAILS OF: LEVEL 1 - DECK PEN. SUPPORT STEELWORK DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94001

MODEL NAME: 2302_001_131 PLOTTED: 01:55:26pm 04/23/2010



"As Built Schuff Steel"
05-10-12

LEVEL 2 - DECK PENETRATION SUPPORT STEELWORK

NOTE: REFER TO E94003 FOR DETAILS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
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6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	02/23/2010	ISSUED FOR CONSTRUCTION (BDS X3.039)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.2

MADE BY: BM | CHECKED BY: WJ | DATE: 04/19/2010

DETAILS OF: LEVEL 2 - DECK PEN. SUPPORT STEELWORK

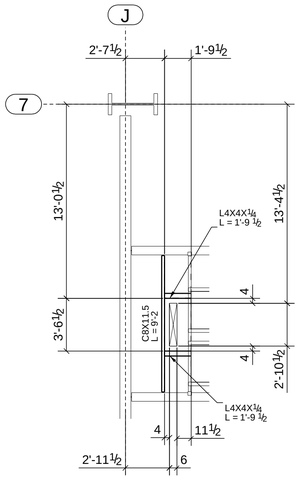
STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

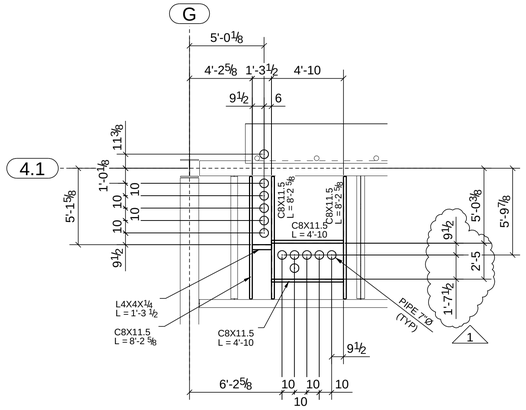
M	C	H	SEQ	REV
	X		94	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94002

MODEL NAME: 2302_001_131 PLOTTED: 01:00:47pm 04/23/2010



DETAIL 1
(REFER E94002)
PER RFI MCC#390 (SS#533, BDS#364)



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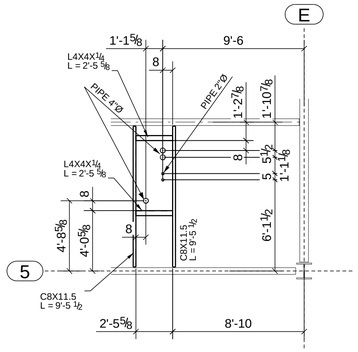

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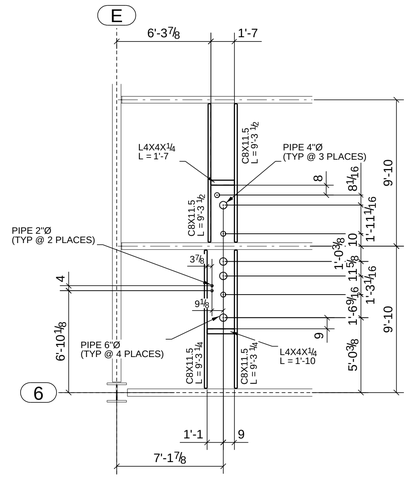
PER RFI MCC#390 (SS#533, BDS#364)



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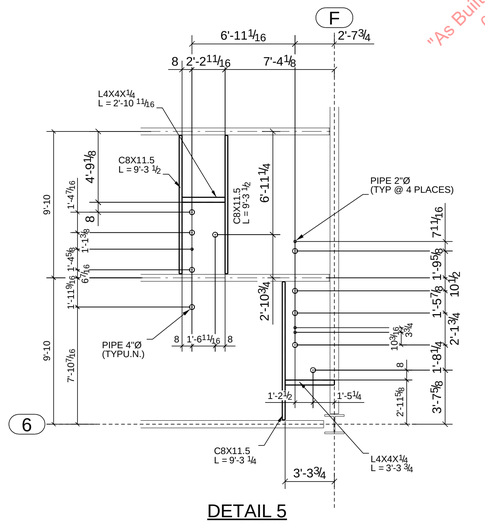

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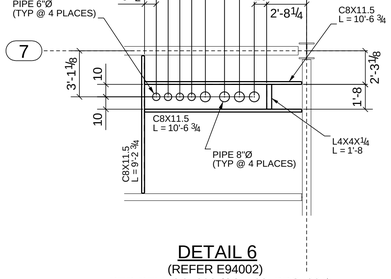
PER RFI MCC#390 (SS#533, BDS#364)



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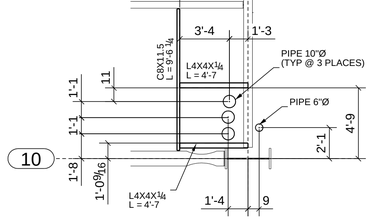

DETAIL 7
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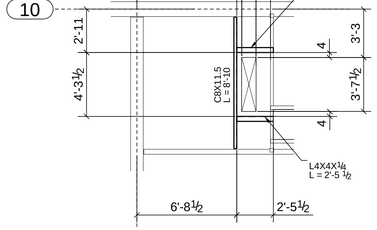
PER RFI MCC#390 (SS#533, BDS#364)



DETAIL 8
(REFER E94002)
PER RFI MCC#390 (SS#533, BDS#364)

NOTE: REFER TO E94001 FOR TYPICAL SITE WELDING CONNECTIONS

ERECTION NOTES
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9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	04/06/2010	CHANNEL LOCATION REVISED (BDS X3.039)
0	02/23/2010	ISSUED FOR CONSTRUCTION (BDS X3.039)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.2

MADE BY: BM | CHECKED BY: WJ | DATE: 04/19/2010

DETAILS OF: LEVEL 2 - DECK PEN. SUPPORT STEELWORK DETAILS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		94	1

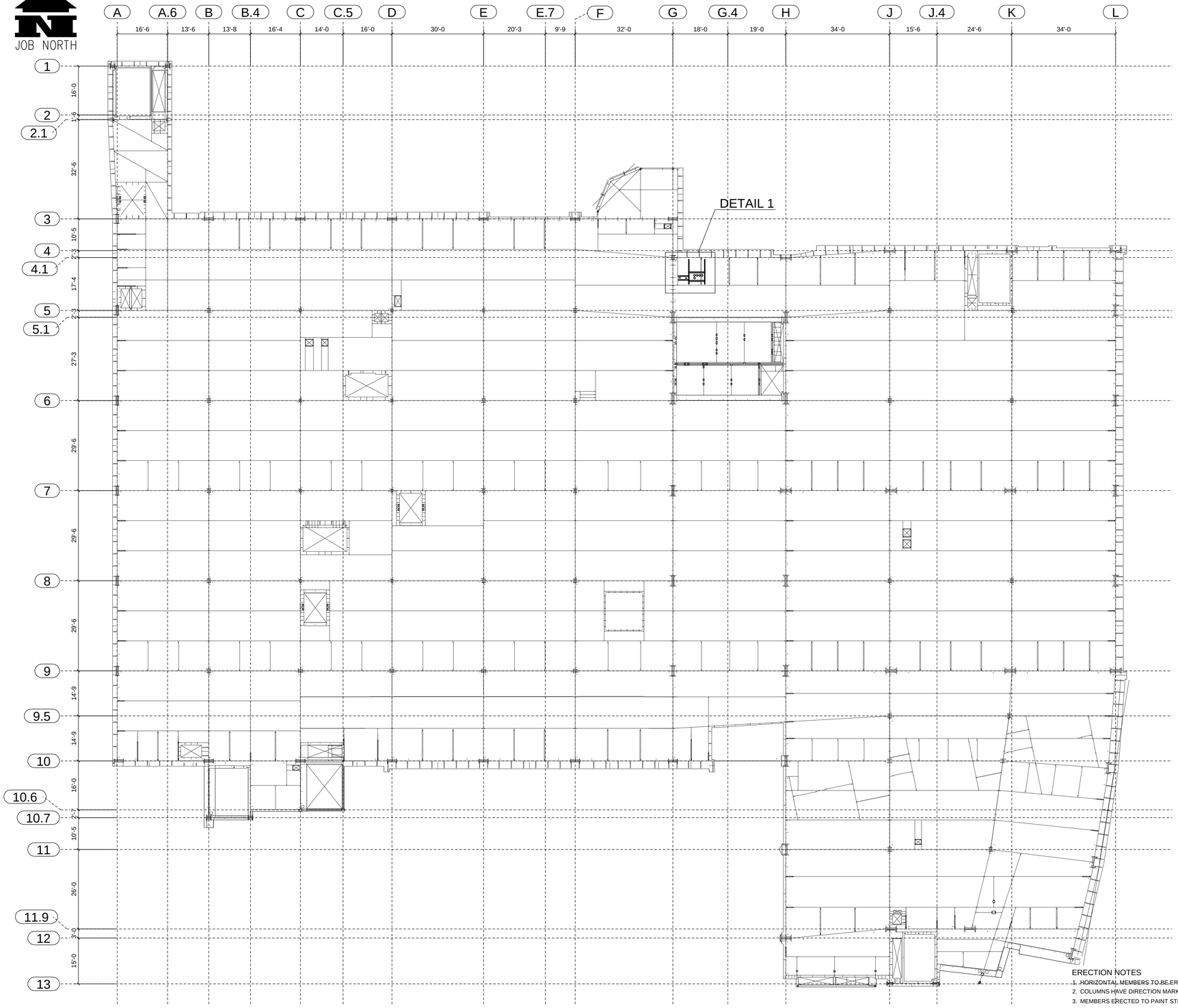
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94003

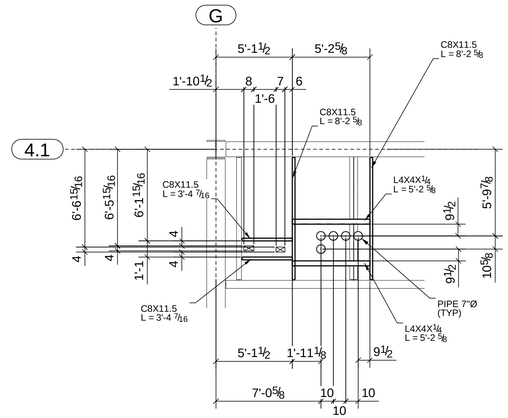
"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 02:22:40pm 06/04/2010

"As Built Schuff Steel"
05-10-12

JOB NORTH





DETAIL 1

PER RFI MCC#506-1 (SS#433, BDS#368)

NOTE: REFER TO E94001 FOR TYPICAL SITE WELDING CONNECTIONS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

LEVEL 3 - DECK PENETRATION SUPPORT STEELWORK

0	02/23/2010	ISSUED FOR CONSTRUCTION (BDS X3.042)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.3

MADE BY: BM | CHECKED BY: WJ | DATE: 04/19/2010

DETAILS OF: LEVEL 3 - DECK PEN. SUPPORT STEELWORK

STRUCTURE: CHOC HOSPITAL

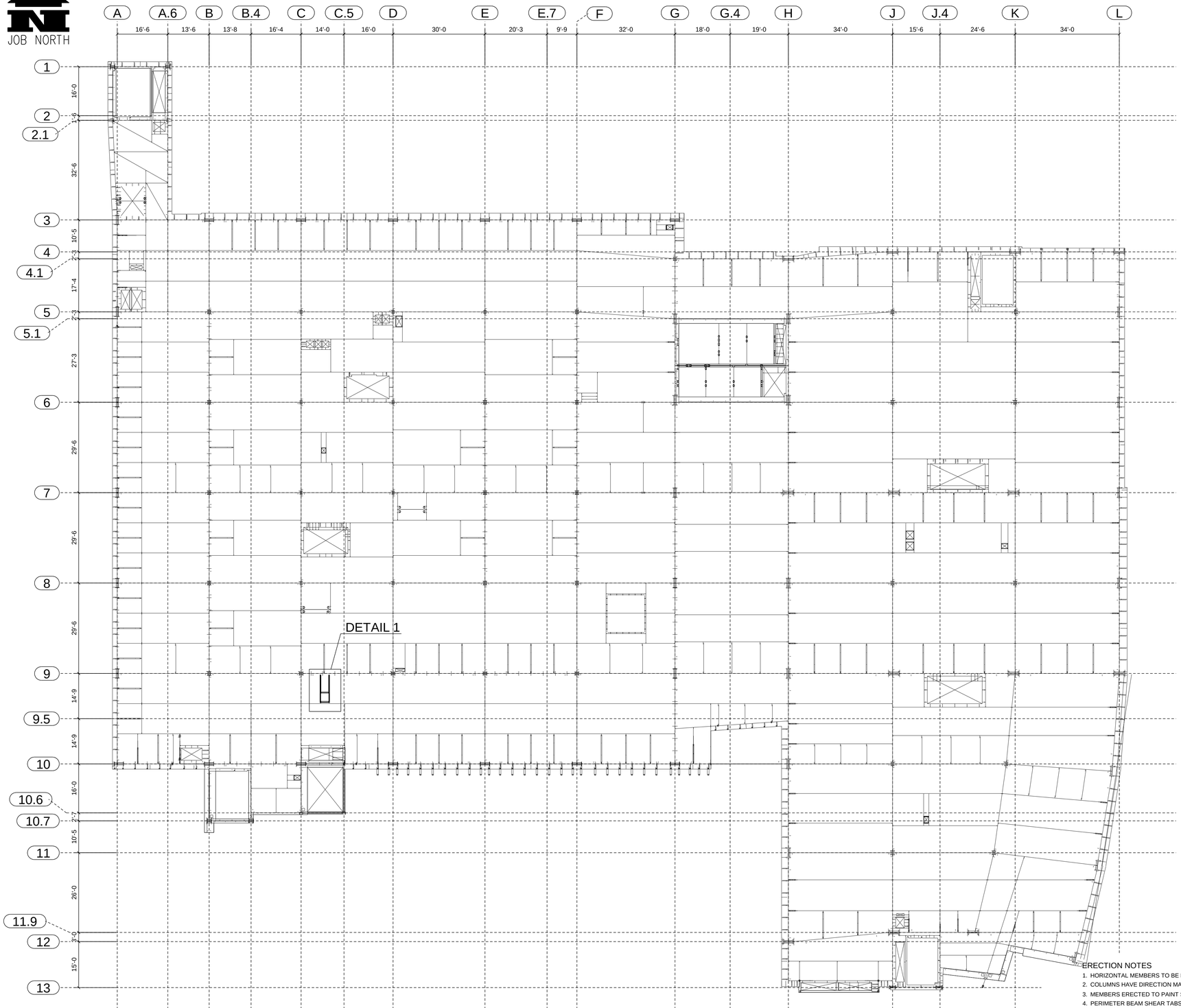
LOCATION: TOWER II

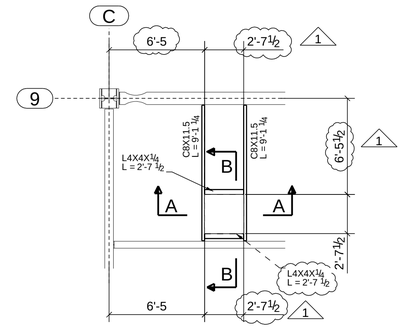
M	C	H	SEQ	REV
	X		94	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94004

MODEL NAME: 2302_001_131 PLOTTED: 01:56 14pm 04/23/2010

JOB NORTH

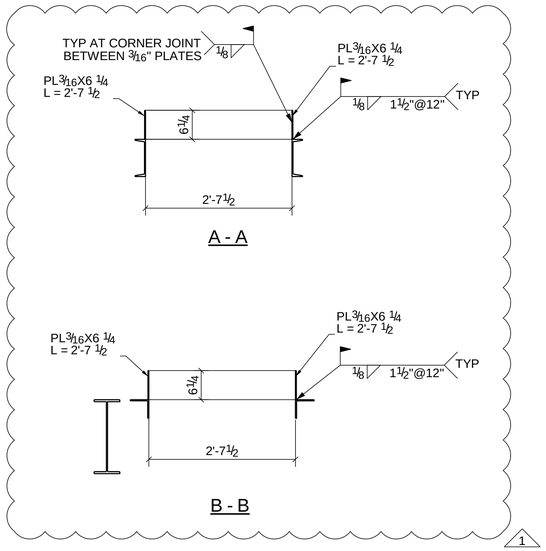




DETAIL 1

PER RFI MCC#868 (SS#536, BDS#360)

NOTE: REFER TO E94001 FOR TYPICAL SITE WELDING CONNECTIONS



ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

LEVEL 4 - DECK PENETRATION SUPPORT STEELWORK

1	04/30/2010	OPENING DETAIL REVISED PER SS RFI # 573 (BDS X3.040)
0	02/23/2010	ISSUED FOR CONSTRUCTION (BDS X3.040)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.4

MADE BY: BM | CHECKED BY: WJ | DATE: 04/19/2010

DETAILS OF: LEVEL 4 - DECK PEN. SUPPORT STEELWORK

STRUCTURE: CHOC HOSPITAL

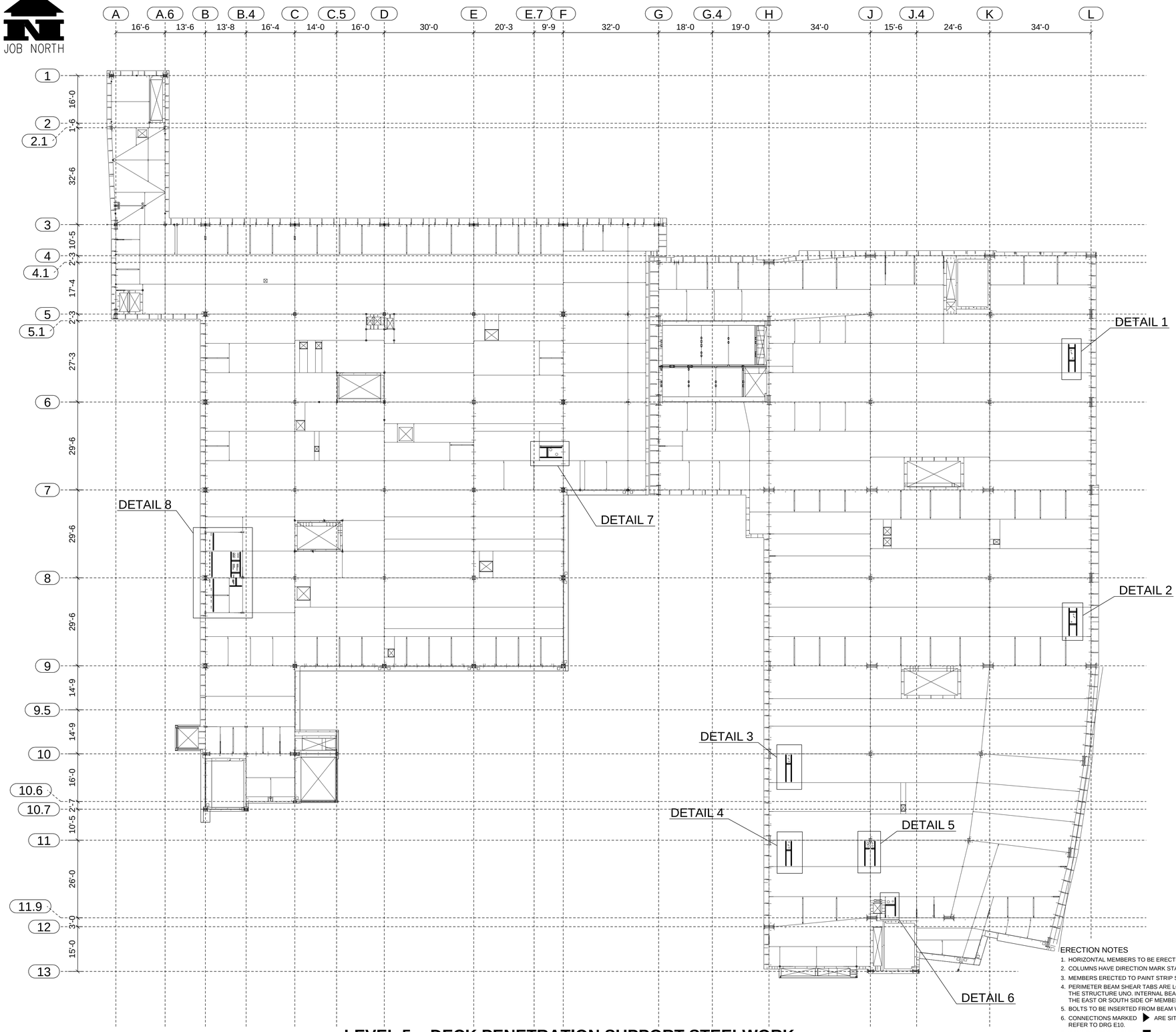
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		94	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94005

"As Built Schuff Steel" 05-10-12

MODEL NAME: 2302_001_131 PLOTTED: 11:54:03am 04/30/2010



LEVEL 5 - DECK PENETRATION SUPPORT STEELWORK

NOTE: REFER TO E94007 FOR DETAILS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

"As Built Schuff Steel" 05-10-12

0	06/04/2010	ISSUED FOR CONSTRUCTION (BDS X3.048)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.5

MADE BY: BM | CHECKED BY: WJ | DATE: 06/02/2010

DETAILS OF: LEVEL 5 - DECK PEN. SUPPORT STEELWORK

STRUCTURE: CHOC HOSPITAL

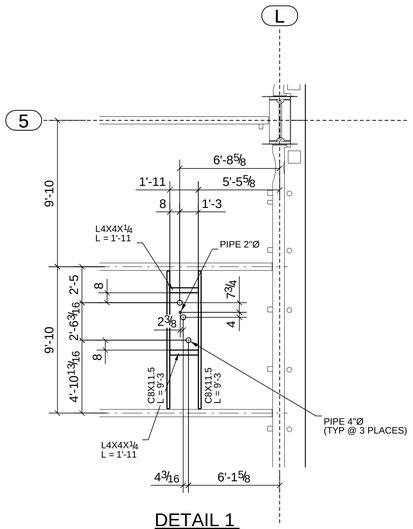
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		94	0

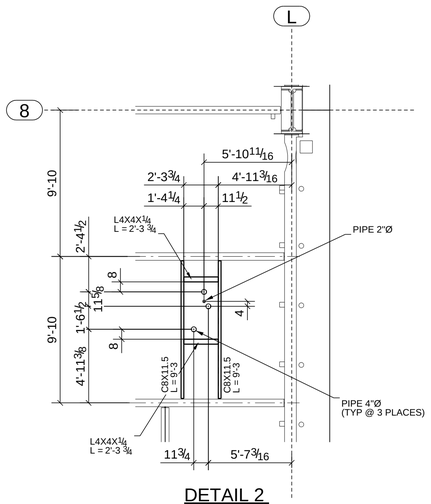
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94006

MODEL NAME: 2302_001_131 PLOTTED: 02:23:00pm 06/04/2010

"As Built Schuff Steel"
05-10-12



DETAIL 1
(REFER E94006)
PER RFI MCC#1380-1 (SS#598, BDS#422)



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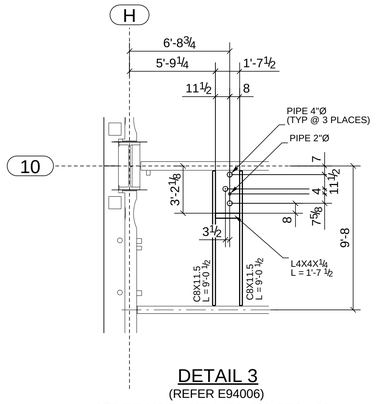
(REFER E94006)
PER RFI MCC#1380-1 (SS#598, BDS#422)



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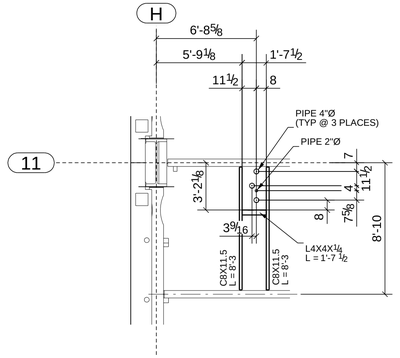
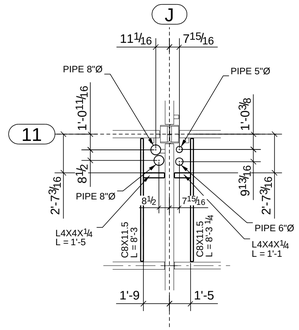
(REFER E94006)
PER RFI MCC#1380-1 (SS#598, BDS#422)



DETAIL 4
(REFER E94006)
PER RFI MCC#1380-1 (SS#598, BDS#422)



DETAIL 5
(REFER E94006)
PER RFI MCC#1380 (SS#590, BDS#421)

DETAIL 6
(REFER E94006)
PER RFI MCC#1380 (SS#500, BDS#421)

DETAIL 7
(REFER E94006)
PER RFI MCC#1380 (SS#500, BDS#421)

DETAIL 8
(REFER E94006)
PER RFI MCC#1380 (SS#500, BDS#421)

NOTE: REFER TO E94001 FOR TYPICAL SITE WELDING CONNECTIONS

ERECTION NOTES
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	06/04/2010	ISSUED FOR CONSTRUCTION (BDS X3.048)

SS
420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.5

MADE BY:	CHECKED BY:	DATE:	M	C	H	SEQ	REV
BM	WJ	06/02/2010		X		94	0

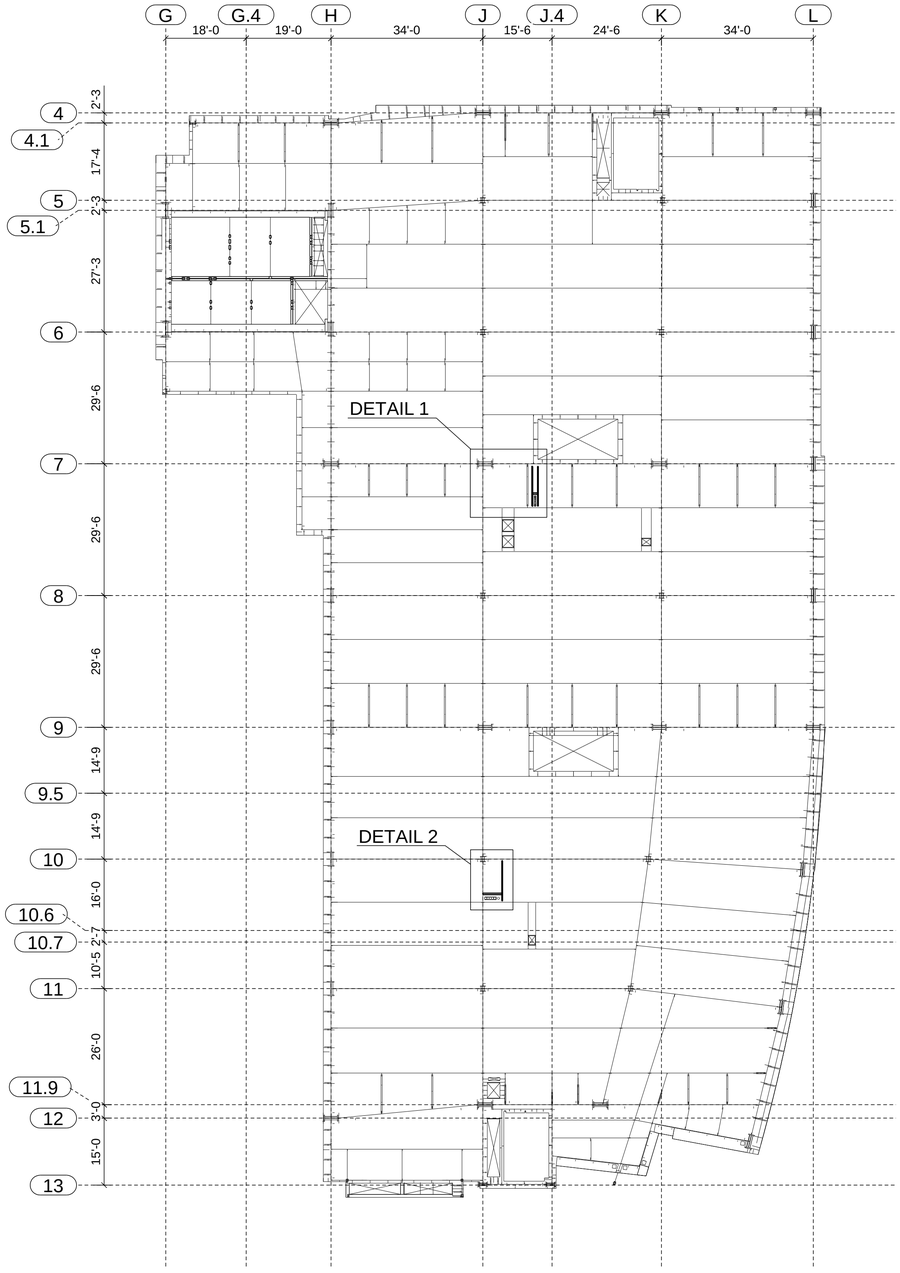
DETAILS OF: LEVEL 5 - DECK PEN. SUPPORT STEELWORK
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94007

MODEL NAME: 2302_001_131 PLOTTED: 02:23 18pm 06/04/2010

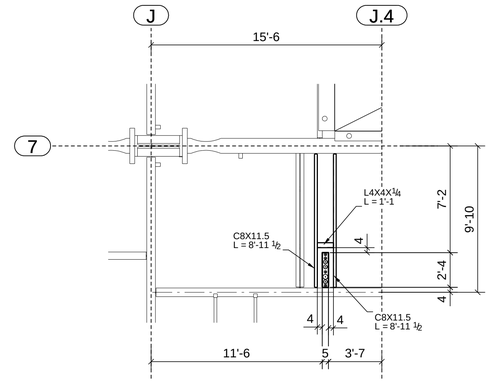
JOB NORTH

"As Built Schuff Steel"
05-10-12



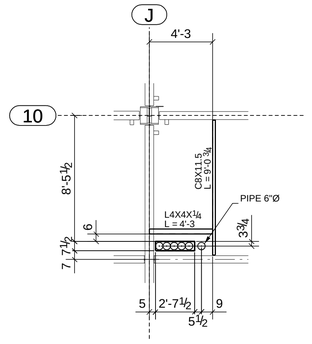
LEVEL 6 - DECK PENETRATION SUPPORT STEELWORK

NOTE: REFER TO E94001 FOR TYPICAL SITE WELDING CONNECTIONS



DETAIL 1

PER RFI MCC#1535 (SS#628, BDS#427)



DETAIL 2

PER RFI MCC#1535 (SS#628, BDS#427)

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	06/17/2010	ISSUED FOR CONSTRUCTION (BDS X3.050)

SCHUFF STEEL COMPANY
420 S. 19th. AVE. PHOENIX, Az. 85009
PHONE (602) 252-7787
FAX (602) 256-0537

DESIGN DRAWING REFERENCE: S2.6

MADE BY: BM | CHECKED BY: WJ | DATE: 06/03/2010

DETAILS OF: LEVEL 6 - DECK PEN. SUPPORT STEELWORK

STRUCTURE: CHOC HOSPITAL

LOCATION: TOWER II

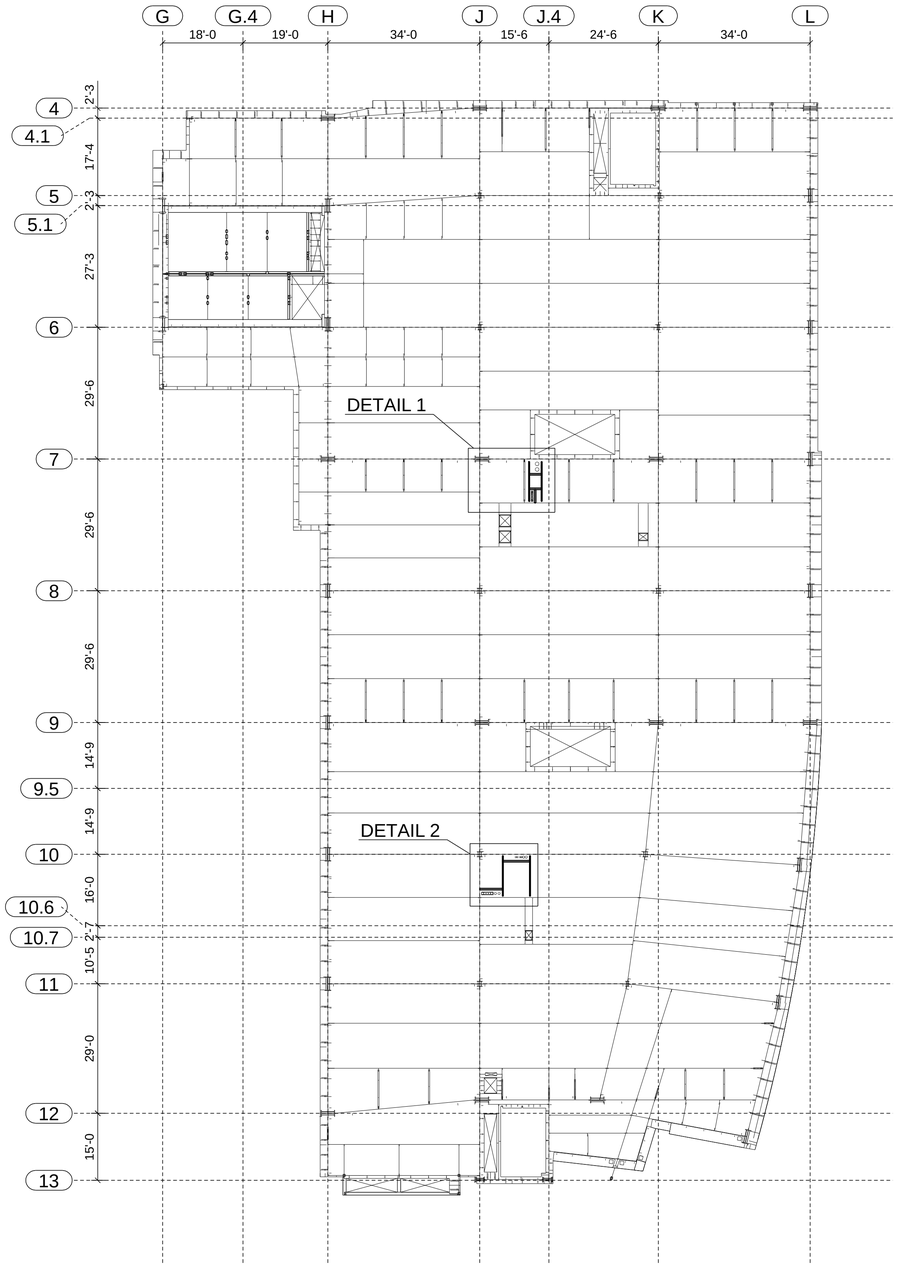
M	C	H	SEQ	REV
	X		94	0

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	E94008

MODEL NAME: 2302_001_131 PLOTTED: 01:21:03pm 06/17/2010

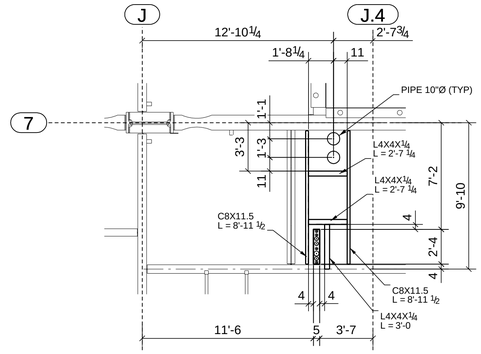
JOB NORTH

"As Built Schuff Steel"
05-10-12

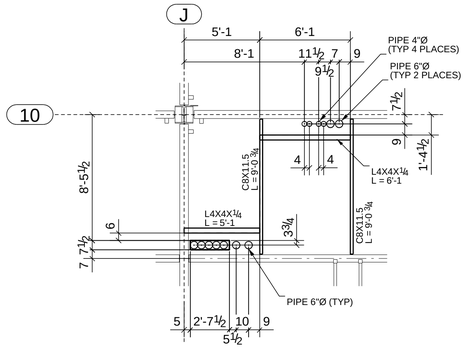


LEVEL 7 - DECK PENETRATION SUPPORT STEELWORK

NOTE: REFER TO E94001 FOR TYPICAL SITE WELDING CONNECTIONS



DETAIL 1
PER RFI MCC#1537 (SS#629, BDS#428)



DETAIL 2
PER RFI MCC#1537 (SS#629, BDS#428)

ERECTION NOTES

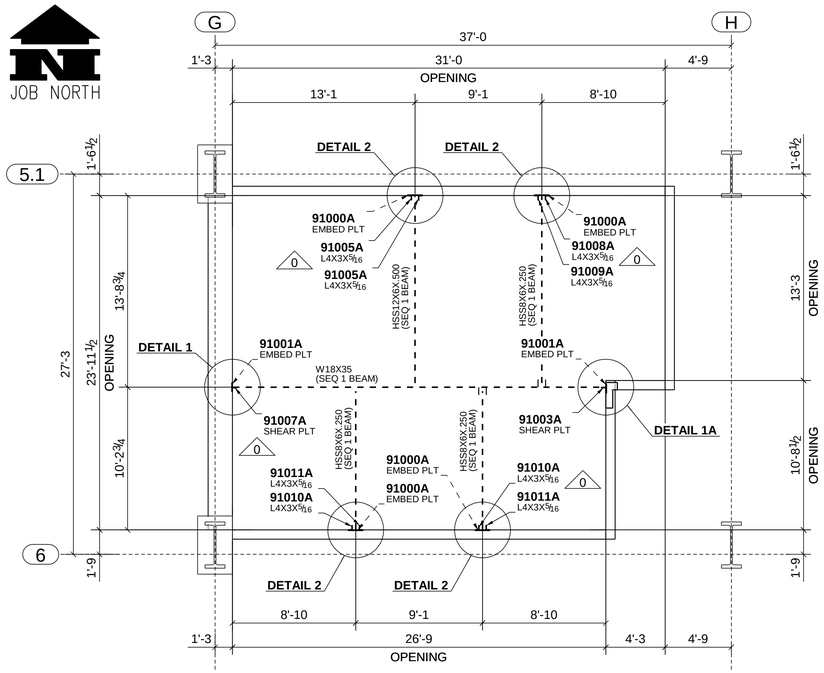
1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

0	06/17/2010	ISSUED FOR CONSTRUCTION (BDS X3.051)

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.7								
MADE BY: BM	CHECKED BY: WJ	DATE: 06/03/2010	M	C	H	SEQ	REV
DETAILS OF: LEVEL 7 - DECK PEN. SUPPORT STEELWORK				X		94	0
STRUCTURE: CHOC HOSPITAL							
LOCATION: TOWER II							
JOB NUMBER 2802			FAB SS			SHEET NUMBER E94009	

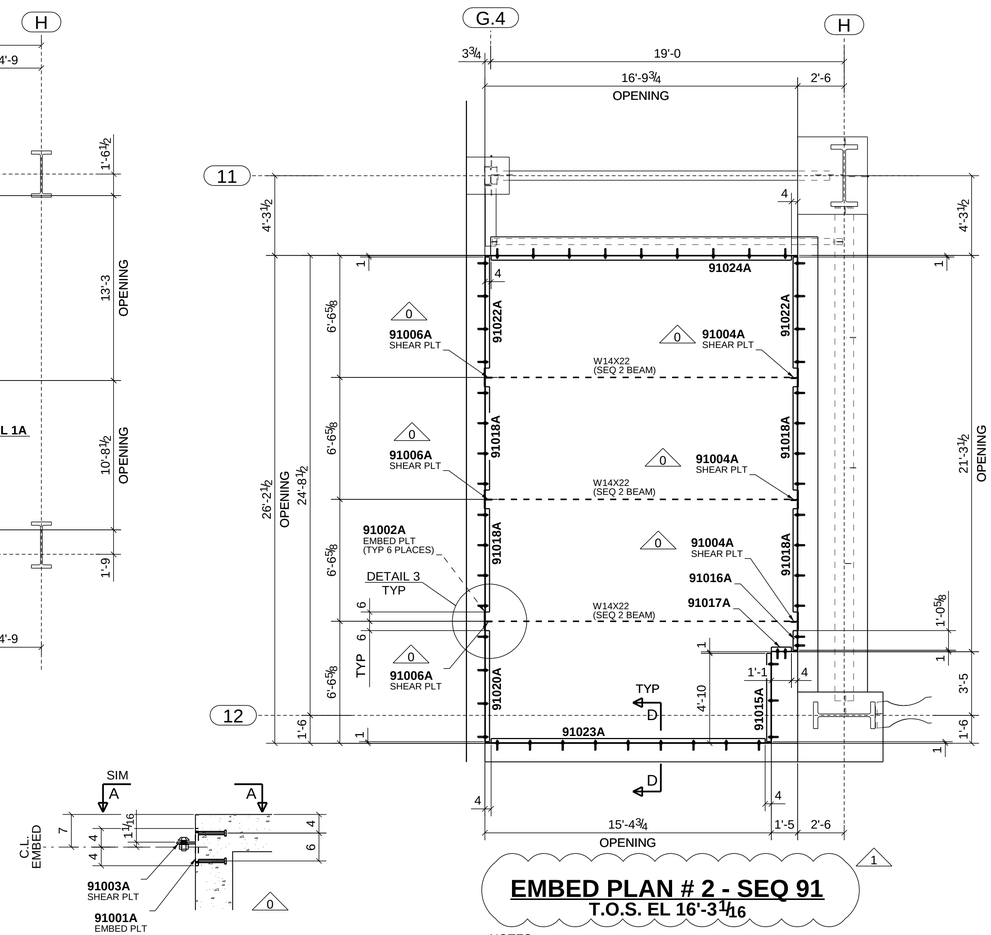
MODEL NAME: 2302_001_131 PLOTTED: 01-21:10pm 06/17/2010



EMBED PLAN # 1 - SEQ 91

T.O.S. EL -6 1/4

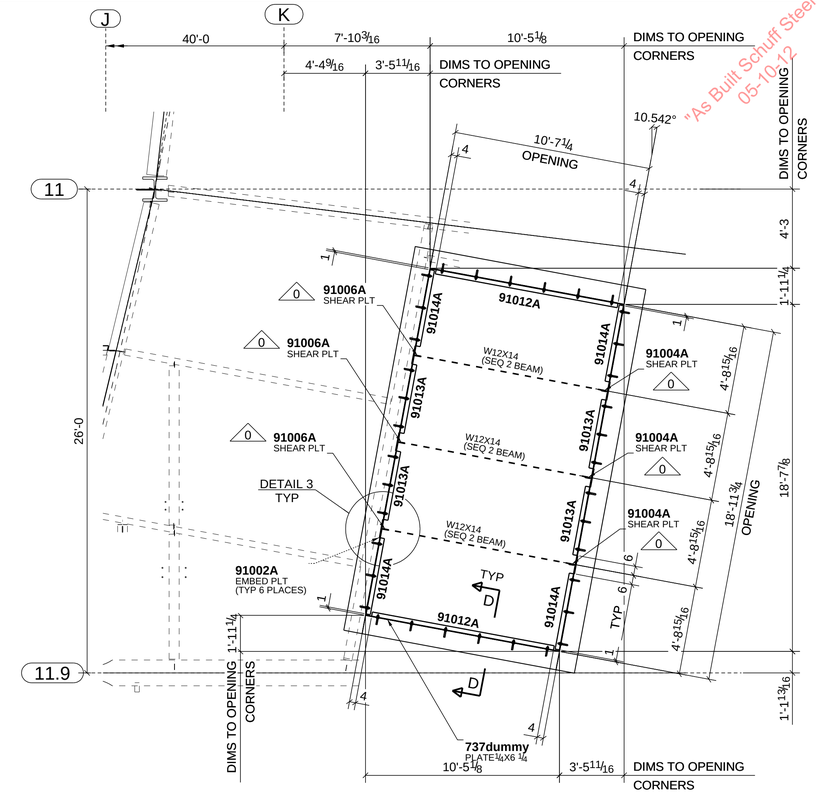
NOTE: DIMENSIONS ARE TO CENTERLINES OF EMBED PLATES



EMBED PLAN # 2 - SEQ 91

T.O.S. EL 16'-3 1/16

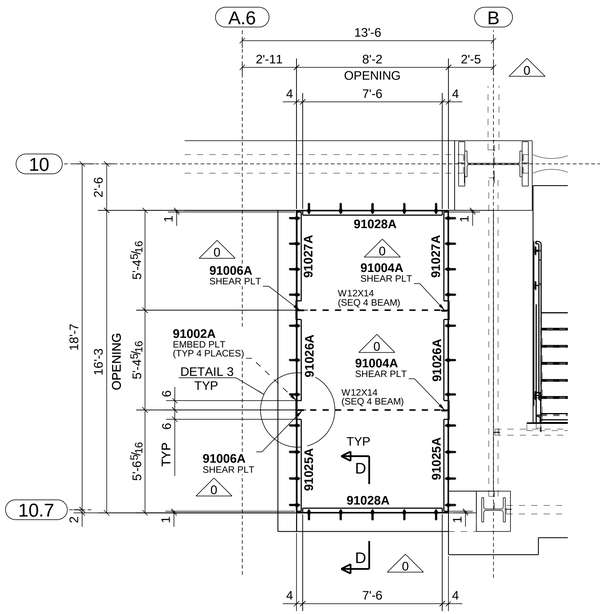
NOTES:
1. DIMENSIONS ARE TO CENTERLINES OF EMBED PLATES.
2. ALL EMBEDS & ATTACHMENTS ARE TO BE GALVANIZED.
3. GRATING IN THIS AREA BY OTHERS (NOT BDS/ SCHUFF)



EMBED PLAN # 3 - SEQ 91

T.O.S. EL 16'-4 1/2

NOTES:
1. DIMENSIONS ARE TO CENTERLINES OF EMBED PLATES.
2. ALL EMBEDS & ATTACHMENTS ARE TO BE GALVANIZED.
3. GRATING IN THIS AREA BY OTHERS (NOT BDS/ SCHUFF)

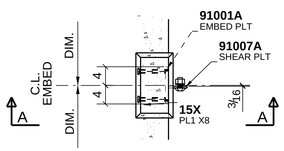


EMBED PLAN # 4 - SEQ 91

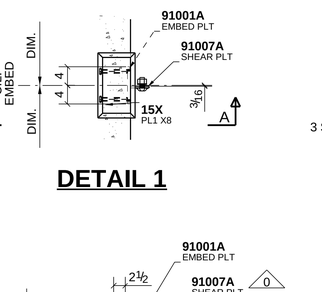
T.O.S. EL 14'-10 1/2

NOTES:
1. DIMENSIONS ARE TO CENTERLINES OF EMBED PLATES.
2. ALL EMBEDS & ATTACHMENTS ARE TO BE GALVANIZED.
3. GRATING IN THIS AREA BY OTHERS (NOT BDS/ SCHUFF)

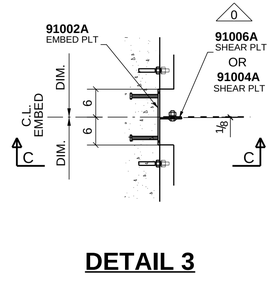
DETAIL 1A



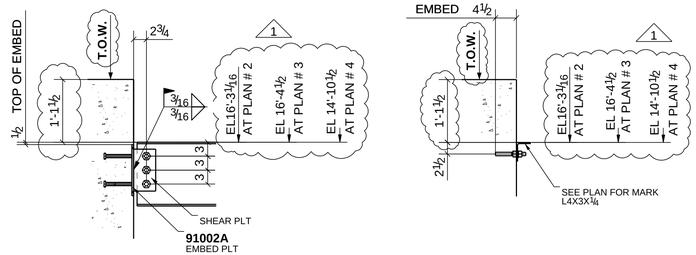
DETAIL 1

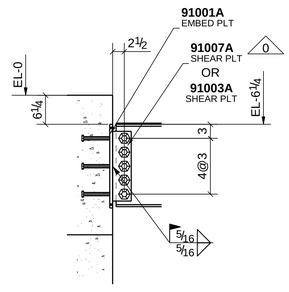


DETAIL 2

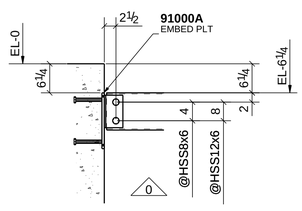


DETAIL 3





A - A



B - B

NOTE:
FOR EMBEDS ASSOCIATED WITH STAIRS REFER STAIR LAYOUT DRAWINGS

ERECTION NOTES

1. HORIZONTAL MEMBERS TO BE ERECTED WITH MARK AT END SHOWN.
2. COLUMNS HAVE DIRECTION MARK STAMPED NEAR BASE OF SHAFT.
3. MEMBERS ERECTED TO PAINT STRIP SIDE OF CONNECTION PLATE.
4. PERIMETER BEAM SHEAR TABS ARE LOCATED TOWARDS THE INSIDE OF THE STRUCTURE UNO. INTERNAL BEAM SHEAR TABS ARE LOCATED ON THE EAST OR SOUTH SIDE OF MEMBER WEBS UNO.
5. BOLTS TO BE INSERTED FROM BEAM WEB SIDE.
6. CONNECTIONS MARKED ▶ ARE SITE WELDED MOMENT CONNECTIONS REFER TO DRG E10.
7. CONNECTIONS MARKED ■ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
8. CONNECTIONS MARKED □ ARE SITE WELDED FRAME (SFRS) CONNECTIONS WITH NO RBS CUTS ON BEAM FLANGES. REFER TO DRG E10.
9. FOR TYPICAL POURSTOP FIELD WELD DETAILS, REFER DETAILS 13, 19 & 20 ON DRG E11

1	06/23/2010	EMBED LEVELS REVISED (SCHUFF RFI# 588, MCC RFI#1461 - BDS X3.052)
0	10/29/2009	ISSUED FOR CONSTRUCTION
A	10/01/2009	ISSUED FOR APPROVAL

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1

MADE BY: BM | CHECKED BY: WJ | DATE: 09/24/2009

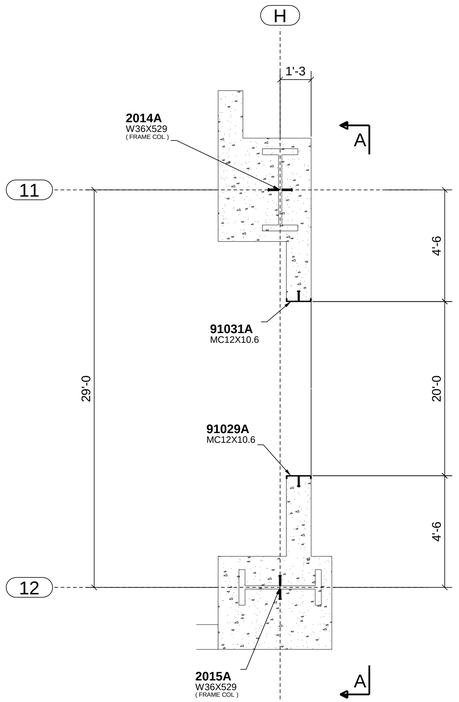
DETAILS OF: SEQUENCE 91 - EMBED PLANS
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		91	1

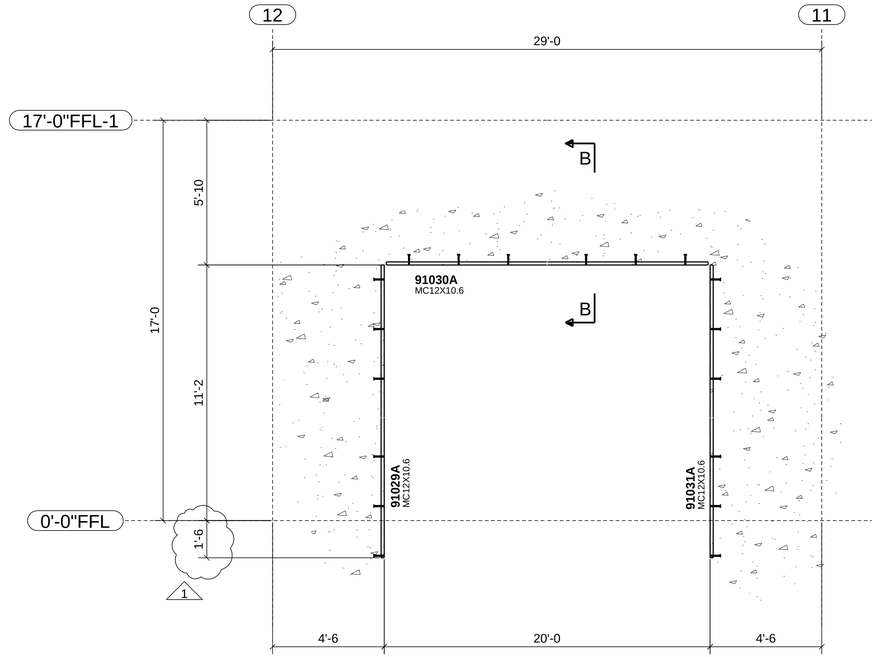
JOB NUMBER	FAB	SHEET NUMBER
2802	SS	EMB91000

MODEL NAME: 2302_001_131 PLOTTED: 04:12:56pm 06/23/2010

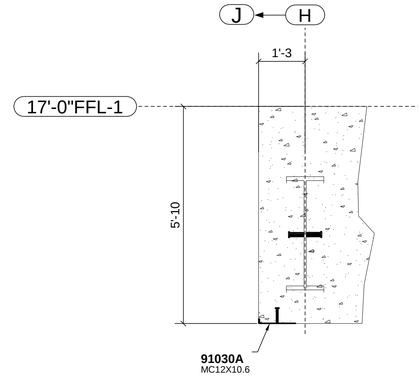
JOB NORTH



EMBED PLAN # 5 - SEQ 91
PLAN AT EL+0



A - A



B - B

"As Built Schuff Steel"
05-10-12

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1	12/03/2009	DIM REVISED (PER SEQ 91 RFA COMMENT)
0	10/30/2009	ISSUED FOR CONSTRUCTION

420 S. 19th. AVE. PHONE (602) 252-7787
PHOENIX, Az. 85009 FAX (602) 256-0537
SCHUFF STEEL COMPANY

DESIGN DRAWING REFERENCE: S2.1

MADE BY: RV | CHECKED BY: WJ | DATE: 09/24/2009

DETAILS OF: SEQUENCE 91 - EMBED PLAN
STRUCTURE: CHOC HOSPITAL
LOCATION: TOWER II

M	C	H	SEQ	REV
	X		91	1

JOB NUMBER	FAB	SHEET NUMBER
2802	SS	EMB91001

MODEL NAME: 2302_001_131 PLOTTED: 03:22:50pm 12/03/2009