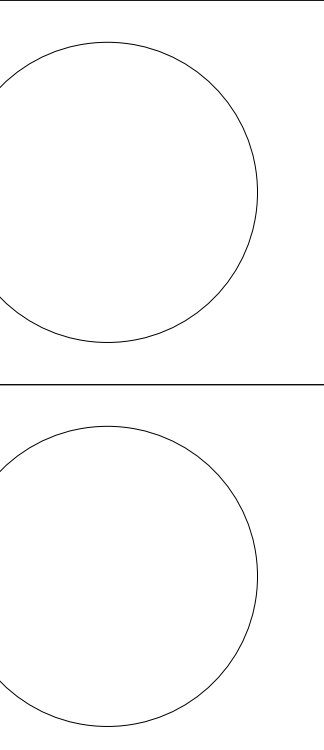
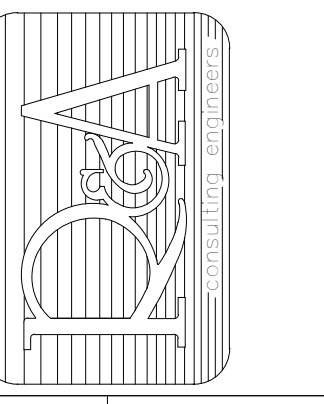


University of Louisville - Student Recreation Center (Phase #4 - Construction Set) Louisville, Ky



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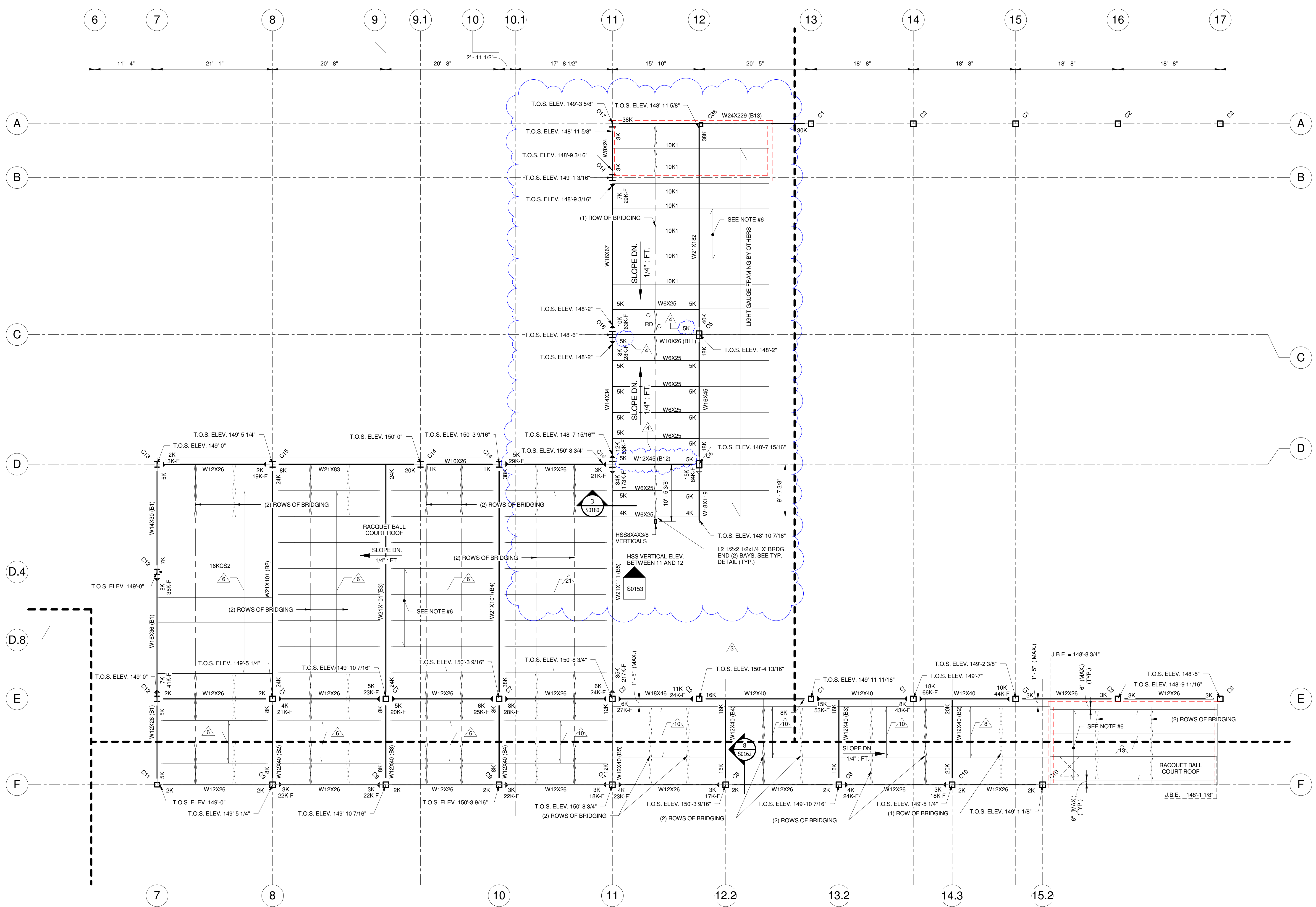
Omni ARCHITECTS
CANNONDESIGN



#	Revision Date
3	Mar 05, 2012
4	Mar 12, 2012

Drawing Name: RACQUETBALL COURT ROOF FRAMING PLAN
 U of L Project Number: Omni - 1105.00 Cannon - 08667.00
 Project Number: April 16, 2012
 Date: VPP Checked By: ANTHONY
 Drawn By:

S0145



RACQUETBALL COURT ROOF FRAMING PLAN
 SCALE: 1/8" = 1'-0"
 1
 S0145

RACQUETBALL COURT ROOF FRAMING NOTES:

#1. TOP OF STEEL ELEVATION VARIES. SEE ROOF PROFILES.

#2. LINTEL SUPPORT HSS TUBE COLUMN. SEE STRUCTURAL EXTERIOR LINTEL ELEVATION SHEETS FOR HSS LINTEL BEAM.

#3. PROVIDE 1/4" THICK BENT PLATE OR 1/4" THICK ANGLE FOR ALL DECK EDGE FRAMING.

#4. TOP OF STEEL ELEVATION AS PER THE KEYNOTES REFERS TO THE COLUMN AND ALL BEAMS FRAMING INTO THE COLUMN. THE STEEL WILL BE SLOPED AT THIS LEVEL.

#5. COLUMN CALLOUT DENOTED THUS:
 Cxx → COLUMN DESIGNATION [SEE COLUMN SCHEDULE]

#6. TYPICAL ROOF DECK TYPE B, 1 1/2" DEEP 20 GAGE G-90 DECKING BY VULCRAFT OR APPROVED EQUIVALENT. (TYP. U.N.O.)

#7. TYPICAL DEEP-DEK 6" CELLULAR ACOUSTICAL ROOF DECK, 1619 GAGE GALVANIZED DECKING (SINGLE SPAN CONDITION) BY METAL DEK GROUP, A UNIT OF CSI PRODUCTS.

#8. TYPICAL DEEP-DEK 4.5" CELLULAR ACOUSTICAL ROOF DECK, 1618 GAGE GALVANIZED DECKING (SINGLE SPAN CONDITION) BY METAL DEK GROUP, A UNIT OF CSI PRODUCTS.

#9. [Symbol] : INDICATES JOIST BOTTOM CHORD EXTENSION. MAKE FINAL ATTACHMENT TO COLUMN ONLY WHEN ALL ROOF DEAD LOADS ARE IN PLACE. JOISTS LOCATED ON COLUMN LINES SHALL ALWAYS BE "KCS" SERIES JOISTS AND THE JOIST END MOMENT SHALL BE 75% OF THE JOIST MOMENT CAPACITY.

#10. MAXIMUM SPACING BETWEEN STEEL BAR JOISTS SHALL NOT EXCEED 5'-0" C/C, U.N.O.

#11. UNLESS NOTED OTHERWISE, ALL ROOF JOIST SEATS SHALL BE 4" DEEP.

#12. TERMINATE ALL S.J.I. BRIDGING LINES AS SHOWN ON DETAILS 5/S0200 (SIMILAR), 12/S0200 & 10/S0201.

#13. ALL JOISTS SHALL BEAR ON STEEL BEAMS OR STEEL PLATES THAT ARE SOLIDLY GROUTED INTO CMU. DO NOT BEAR JOISTS ON HOLLOW CMU BLOCKS, WOOD, ETC. UNLESS APPROVED BY THE ARCHITECT. WELD OR BOLT JOISTS TO BEARING STEEL PER THE JOIST SUPPLIER'S SHOP DRAWING DETAILS.

#14. FIELD MODIFICATIONS TO BAR JOISTS SHALL ONLY BE PERFORMED WITH THE PERMISSION OF THE JOIST SUPPLIER.

#15. ALL OPENINGS THROUGH THE ROOF THAT EXCEED 6" DIAMETER OR 30 SQUARE INCHES SHALL HAVE THE DECK SUPPORTED USING STEEL MEMBERS, JOIST HEADERS, ETC. SEE DETAIL 7/S0201.

#16. WELD OR SCREW METAL DECK TO SUPPORTS PER THE DECKING SUPPLIER'S SHOP DRAWING DETAILS. DECKING SUPPLIER MUST PERMIT PERMISSION FOR ANY CHANGES TO THE ATTACHMENT METHODS.

#17. ALL WATER PIPES OVER 3" IN DIAMETER SHALL BE HUNG FROM JOIST PANEL POINTS OR JOIST CHORDS SHALL BE REINFORCED PER TYPICAL DETAIL 4/S0200.

#18. MECHANICAL EQUIPMENT HANGING UNDER THE ROOF JOISTS SHALL BE SUPPORTED BY AT LEAST THREE JOISTS. SEE TYPICAL DETAILS FOR JOIST REINFORCEMENT REQUIREMENTS. STRUCTURAL IS NOT RESPONSIBLE FOR THE DESIGN OF THE ACTUAL MEMBERS USED TO DISTRIBUTE, SUPPORT AND ISOLATE THE ACTUAL EQUIPMENT AND ITS LOADS.

#19. MECHANICAL EQUIPMENT SITTING ON THE ROOF SHALL BE LOCATED SO THAT RELATIVE ROOF OPENINGS FOR THE EQUIPMENT DO NOT INTERFERE WITH JOISTS OR BRIDGING LINES. SEE DETAIL 7/S0201 FOR DECK SUPPORT AT ROOF OPENINGS.

#20. RD INDICATES ROOF DRAIN. ALL ROOF DRAINS MAY NOT BE SHOWN. COORDINATE EXACT LOCATIONS AND QUANTITIES WITH THE PLUMBING DRAWINGS. PROVIDE POSITIVE SLOPES/WARPS TO THE ROOF IN ORDER TO PROVIDE REQUIRED DRAINAGE. COORDINATE ROOF FINISHES WITH THE ARCHITECT.

JOIST KEY NOTES:

① = 8K1 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.	⑬ = 24K9 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.
② = 10K1 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.	⑭ = 28K10 @ 5'-0" o.c. (MAX.) w(3) ROWS OF BRDG. PER S.J.I.
③ = 12K3 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.	⑮ = 10KCS3 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.
④ = 12K5 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.	⑯ = 12KCS2 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.
⑤ = 14K3 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.	⑰ = 14KCS3 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.
⑥ = 16K2 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.	⑱ = 16KCS2 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.
⑦ = 16K3 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.	⑲ = 16KCS3 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.
⑧ = 16K5 @ 5'-0" o.c. (MAX.) w(1) ROW OF BRDG. PER S.J.I.	⑳ = 16KCS5 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.
⑨ = 16K9 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.	㉑ = 20KCS2 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.
⑩ = 18K5 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.	㉒ = 22KCS5 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.
⑪ = 18K9 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.	㉓ = 28KCS5 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.
⑫ = 20K9 @ 5'-0" o.c. (MAX.) w(2) ROWS OF BRDG. PER S.J.I.	㉔ = HSS 4X2X1/4 @ 5'-0" o.c. (MAX.)

LEGENDS:

[Symbol] = 12" REINFORCED CMU w(2) #6 IN EACH CORE

[Symbol] = 12" REINFORCED CMU w(2) #7 IN EACH CORE

[Symbol] = LOAD BEARING CMU WALL AND/OR EXTERIOR CMU WALL ABOVE

[Symbol] = ADDITIONAL VERTICAL CMU REINF. REQUIRED (SEE TYPICAL DETAIL)

[Symbol] = LOAD BEARING CMU WALL AND/OR EXTERIOR CMU WALL BELOW

[Symbol] = STANDARD S.J.I. BRIDGING

[Symbol] = INDICATES MOMENT CONNECTION BY OTHERS.

[Symbol] = INDICATES CANTILEVER MOMENT CONNECTION BY OTHERS.

[Symbol] = REFER TYPICAL DETAIL 14/S0200 FOR BEAM AND COLUMN CONNECTION. (U.N.O.)

(A) = INDICATES TOP OF STEEL ELEVATION 114'-10"

(B) = INDICATES TOP OF STEEL ELEVATION 115'-3 7/8"

(C) = INDICATES TOP OF STEEL ELEVATION 137'-1 1/2"

(D) = INDICATES TOP OF STEEL ELEVATION 115'-1 3/4"

(E) = INDICATES TOP OF STEEL ELEVATION 113'-4 3/8"

(F) = INDICATES W7X36.5 ABOVE BEAM, T.O.S. EL. 115'-5 3/4"

(H1) = INDICATES HSS3X3X1/4 ABOVE ROOF BEAM, T.O.S. EL. VARIES, SEE PLAN

(H2) = INDICATES HSS5X2 1/2X3/16 ABOVE FLOOR BEAM, T.O.S. EL. 137'-1 1/2"

(H3) = INDICATES HSS8X8X1/2 ABOVE ROOF BEAM, T.O.S. EL. VARIES, SEE PLAN

(H4) = INDICATES HSS10X10X1/2 ABOVE ROOF BEAM, T.O.S. EL. VARIES, SEE PLAN

[Symbol] = AEROBICS STORAGE FLOOR SLAB - 7 3/4" DEPRESSION

[Symbol] = AEROBICS FLOOR SLAB - 7 3/4" DEPRESSION

[Symbol] = RACQUETBALL FLOOR SLAB - 1 7/8" DEPRESSION

[Symbol] = GYM FLOOR SLAB - 2 1/2" DEPRESSION

[Symbol] = CLOUDED ITEMS WHERE CHANGED PER ADDENDUM

[Symbol] = ADDENDUM NUMBER

DISCLAIMER NOTE:
 THIS SET OF CONSTRUCTION DRAWINGS HAS BEEN UPDATED TO INCLUDE ANY CHANGES ISSUED THROUGH ADDENDUM OR OTHER MEANS. EVERY EFFORT HAS BEEN TAKEN TO INCLUDE ALL CHANGES TO DATE. THE CONTRACTOR IS STILL RESPONSIBLE FOR PROVIDING ANY ITEMS THAT WERE SHOWN AS PART OF THE ORIGINAL BID SET THAT MAY HAVE BEEN OVERLOOKED AND NOT INCLUDED IN THIS SET.

KEY NOTES:

(B1) = TOP OF STEEL EL. 148'-8"

(B2) = TOP OF STEEL EL. 149'-1 1/4"

(B3) = TOP OF STEEL EL. 149'-6 7/16"

(B4) = TOP OF STEEL EL. 149'-11 9/16"

(B5) = TOP OF STEEL EL. 150'-4 3/4"

(B6) = TOP OF STEEL EL. 149'-4"

(B7) = TOP OF STEEL EL. 149'-8"

(B8) = TOP OF STEEL EL. 149'-11 3/8"

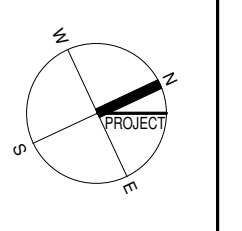
(B9) = TOP OF STEEL EL. 149'-6"

(B10) = TOP OF STEEL EL. 149'-9 11/16"

(B11) = TOP OF STEEL EL. 148'-6"

(B12) = TOP OF STEEL EL. 148'-11 15/16"

(B13) = TOP OF STEEL EL. 149'-3 5/8"



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