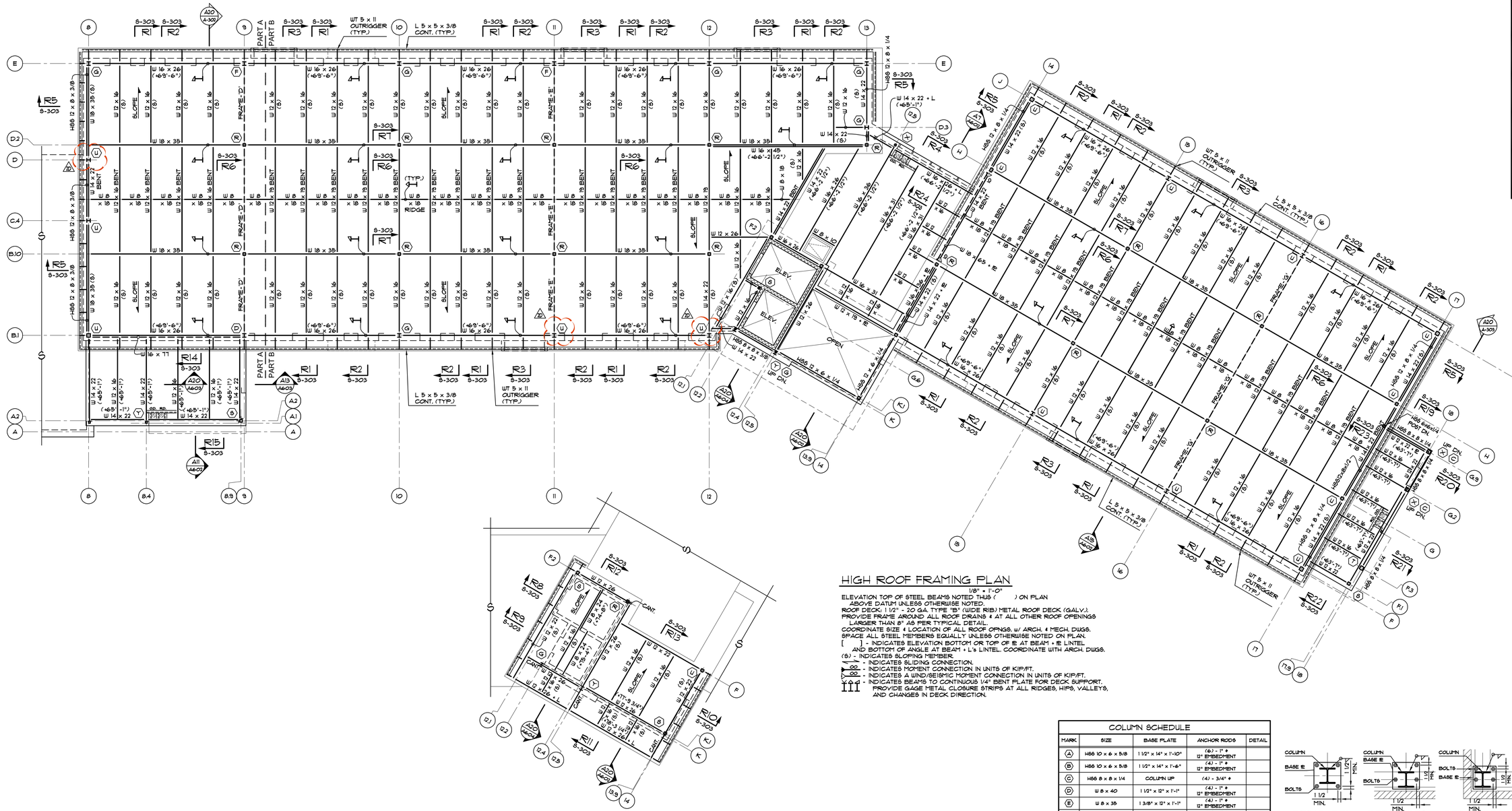


HIGH ROOF FRAMING PLAN

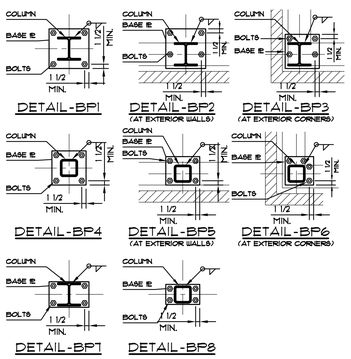
1/8" = 1'-0"

ELEVATION TOP OF STEEL BEAMS NOTED THUS ( ) ON PLAN
ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.).
PROVIDE FRAME AROUND ALL ROOF DRAINS & AT ALL OTHER ROOF OPENINGS LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. w/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.
[ ] - INDICATES ELEVATION BOTTOM OR TOP OF IE AT BEAM + IE LINTEL AND BOTTOM OF ANGLE AT BEAM + L's LINTEL. COORDINATE WITH ARCH. DWGS.
(S) - INDICATES SLOPING MEMBER.
⌐ ¬ - INDICATES SLIDING CONNECTION.
oo - INDICATES MOMENT CONNECTION IN UNITS OF KIP/FT.
oo - INDICATES A WIND/SEISMIC MOMENT CONNECTION IN UNITS OF KIP/FT.
- INDICATES BEAMS TO CONTINUOUS 1/4" BENT PLATE FOR DECK SUPPORT. PROVIDE GAGE METAL CLOSURE STRIPS AT ALL RIDGES, HIPS, VALLEYS, AND CHANGES IN DECK DIRECTION.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR RODS	DETAIL
A	HSS 10 x 6 x 5/8	1 1/2" x 14" x 1'-10"	(6) - 1" ø 12" EMBEDMENT	
B	HSS 10 x 6 x 5/8	1 1/2" x 14" x 1'-6"	(4) - 1" ø 12" EMBEDMENT	
C	HSS 8 x 8 x 1/4	COLUMN UP	(4) - 3/4" ø	
D	W 8 x 40	1 1/2" x 12" x 1'-1"	(4) - 1" ø 12" EMBEDMENT	
E	W 8 x 35	1 3/8" x 12" x 1'-1"	(4) - 1" ø 12" EMBEDMENT	
F	W 8 x 31	1 3/8" x 12" x 1'-5"	(6) - 1" ø 12" EMBEDMENT	
G	W 8 x 31	1 3/8" x 12" x 1'-1"	(4) - 1" ø 12" EMBEDMENT	
H	HSS 7 x 5 x 1/2 RR 3 HR - FIRE-TROL	1 3/8" x 12" x 1'-3"	(4) - 1" ø 12" EMBEDMENT	
J	HSS 8 x 6 x 1/2 RR 2 HR - FIRE-TROL	1 5/8" x 16" x 1'-6"	(6) - 1" ø 12" EMBEDMENT	
K	HSS 6 x 6 x 1/4 SS 2 HR - FIRE-TROL	1" x 12" x 1'-0"	(4) - 3/4" ø	
L	HSS 6 x 6 x 3/8 SS 2 HR - FIRE-TROL	1 1/4" x 14" x 1'-2"	(4) - 1" ø 12" EMBEDMENT	
M	HSS 6 x 6 x 1/2 SS 2 HR - FIRE-TROL	1 3/8" x 14" x 1'-2"	(4) - 1" ø 12" EMBEDMENT	
N	HSS 5 x 5 x 1/2 SS 3 HR - FIRE-TROL	1" x 12" x 1'-0"	(4) - 3/4" ø	
P	HSS 5 x 5 x 3/8 SS 3 HR - FIRE-TROL	1" x 12" x 1'-0"	(4) - 3/4" ø	
Q	HSS 5 x 5 x 1/4 SS 3 HR - FIRE-TROL	3/4" x 9" x 9"	(4) - 3/4" ø	
R	HSS 6 x 6 x 3/8	COLUMN UP		
S	HSS 6 x 6 x 1/4	3/4" x 10" x 0'-10"		
T	HSS 8 x 8 x 1/4	3/4" x 12" x 1'-2"	(4) - 3/4" ø	BP5
U	W 8 x 31	COLUMN UP	(4) - 3/4" ø	
V	HSS 8 x 8 x 3/8	COLUMN UP	(4) - 3/4" ø	
W	HSS 6 x 6 x 5/8	1 3/8" x 14" x 1'-2"	(4) - 1" ø 12" EMBEDMENT	
X	HSS 4 x 4 x 1/4	COLUMN UP	-	
Y	HSS 8 x 4 x 1/4	COLUMN UP	-	
Z	HSS 8 x 6 x 1/2 RR 2 HR - FIRE-TROL	1 5/8" x 14" x 1'-4"	(4) - 1" ø 12" EMBEDMENT	

NOTES:
1. BOTTOM OF BASE PLATES TO BE -1" BELOW DATUM ELEVATION UNLESS OTHERWISE NOTED THUS [BE.] ON PLAN FROM DATUM.
2. ALL COLUMNS TO HAVE (4) - 3/4" ø ANCHOR RODS WITH HEAVY HEX NUT WITH 5" MIN. EMBEDMENT UNLESS OTHERWISE NOTED. ALL ANCHOR BOLTS SHALL BE ASTM F1554.
3. ALL 1" ø ANCHOR BOLTS TO HAVE MINIMUM 12" EMBEDMENT AND HEAVY HEX NUTS AT THEIR EMBEDDED ENDS AS PER "AISC" UNLESS OTHERWISE NOTED.
4. ALL HSS COLUMNS TO BE Fy = 46 KSI.
5. ALL HSS COLUMNS TO HAVE:
   3/4" THICK CAP PL. @ BEAM BEARING
   1/2" THICK CAP PL. @ JOIST BEARING
   ALL OTHERS 1/4" THICK CAP PL. - U.O.N.
6. ALL STEEL COLUMNS SUPPORTING CANTILEVER MEMBERS TO HAVE 3/4" TOP PLATES w/ (4) 3/4" A325 BOLTS U.O.N.
7. SEE TYPICAL THRU-IE DETAIL FOR BEAM TO TUBE COLUMN CONNECTIONS.
8. (-) - INDICATES THE POINT AT WHICH A STEEL COLUMN TERMINATES. COORDINATE THE HEIGHT OF STEEL WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
9. WHERE ANY FACE OF COLUMN ABUTS MASONRY WALLS, PROVIDE ADJUSTABLE MASONRY ANCHORS @ 24" O.C. VERTICALLY.
10. OMIT MASONRY ANCHORS AT FIRE WALLS.



Harrison — Hamnett, P.C.
Consulting Engineers
40 Knowles Street Pennington, New Jersey 08534
Ph: 609-818-1808 Fax: 609-818-1809
JOHN N. HARRISON N.J.P.E. #31198 DATE

Clarke Caton Hintz
Architecture
Planning
Landscape Architecture
100 Barrack Street Trenton, NJ 08608
tel (609) 883-8383 fax (609) 883-4044
www.clarkecatonhintz.com
Drawings Copyright ©2016 Clarke Caton Hintz, PC

OWNER:
WILLIAM PATTERSON UNIVERSITY
300 POMPTON RD.
WAYNE, NJ 07470
(973) 720-2000

SITE / CIVIL / GEOTECHNICAL:
LANGAN
300 KIMBALL DRIVE
PARSIPPANY, NJ 07054
(973) 560-4900

STRUCTURAL:
HARRISON & HAMNETT
40 KNOWLES STREET
PENNINGTON, NJ 08534
(609) 818-1808

MECHANICAL/ELECTRICAL/PLUMBING:
FIRE PROTECTION
PARTNER ENGINEERING AND SCIENCE, INC.
611 INDUSTRIAL WAY WEST
EATONTOWN, NJ 07724
(732) 380-1700

AV/IT & SECURITY
R.G. VANDERWEIL ENGINEERS, LLP
101 GROVERS MILL ROAD
QUAKERBRIDGE EXECUTIVE CENTER
LAWRENCEVILLE, NJ 08648
(609) 609.786.2727

SUBMISSIONS		
NO.	DATE	DESCRIPTION
1	07/14/17	CONSTRUCTION DOCUMENTS
2	08/07/17	FINAL CONSTR DOCUMENTS
REVISIONS		
2D	09/08/17	ADDENDUM 6

WILLIAM PATERSON UNIVERSITY
NEW RESIDENCE HALL
WAYNE, NEW JERSEY

CONSTRUCTION DOCUMENTS
(ISSUED FOR CONSTRUCTION)

DATE :	2017.08.07
SCALE :	AS NOTED
DRAWN BY :	RC
CHECKED BY :	JNH

SHEET TITLE:
HIGH ROOF FRAMING PLAN

DRAWING NO.:
S-106

CCH PROJECT NO: 1932