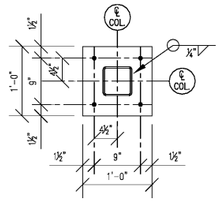
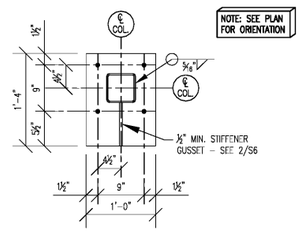


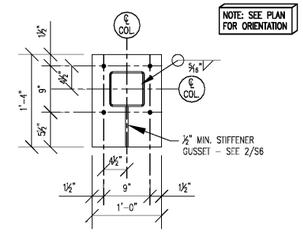
COLUMN: HSS5x5x¼
AB1 = 4–¾"ø x 0'-9" LONG
tp = ¾"

SECTION NO.			SCALE
1	S3	BASE PLATE DETAIL – BP1	1" = 1'-0"



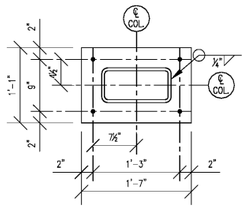
COLUMN: HSS5x5x½
AB2 = 4–1"ø x 1'-0" LONG
tp = ¾"

SECTION NO.			SCALE
2	S3	BASE PLATE DETAIL – BP2	1" = 1'-0"



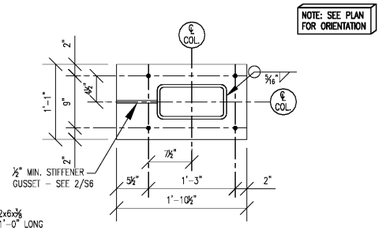
COLUMN: HSS6x6x¼
AB2 = 4–1"ø x 1'-0" LONG
tp = ¾"

SECTION NO.			SCALE
3	S3	BASE PLATE DETAIL – BP3	1" = 1'-0"



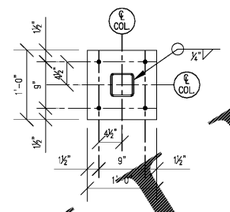
COLUMN: HSS12x6x⅜
AB1 = 4–¾"ø x 0'-9" LONG
tp = ¾"

SECTION NO.			SCALE
4	S3	BASE PLATE DETAIL – BP4	1" = 1'-0"



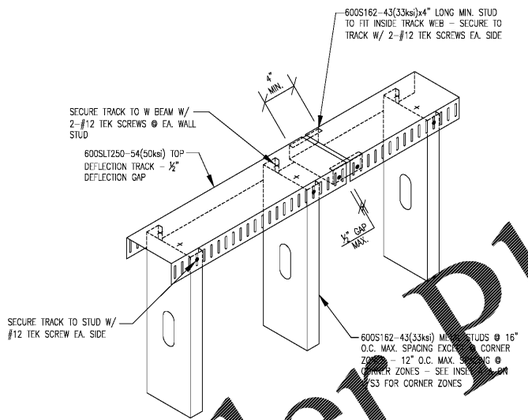
COLUMN: HSS12x6x⅜
AB2 = 4–1"ø x 1'-0" LONG
tp = ¾"

SECTION NO.			SCALE
5	S3	BASE PLATE DETAIL – BP5	1" = 1'-0"

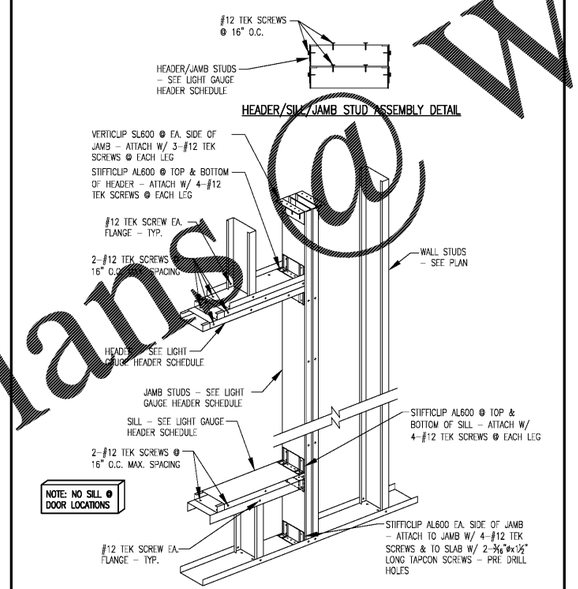


COLUMN: HSS4x4x¼
AB1 = 4–¾"ø x 0'-9" LONG
tp = ¾"

SECTION NO.			SCALE
6	S3	BASE PLATE DETAIL – BP6	1" = 1'-0"



SECTION NO.			SCALE
7	S3	DETAIL @ WALL TOP TRACK	NO SCALE



SECTION NO.			SCALE
8	S3	LIGHT GAUGE HEADER, JAMB STUD & SILL DETAIL	NO SCALE

DESIGN LOADS – NCBC 2012

I. FLOOR LIVE LOAD: SECTION 1607

1. 100 PSF (SLAB ON GRADE)

II. ROOF LIVE LOAD: SECTION 1607.11

1. 20 PSF

III. ROOF SNOW LOAD: SECTION 1608

1. 15 PSF (Pf– FLAT ROOF SNOW LOAD)
2. 0.9 (Ce– SNOW EXPOSURE FACTOR)
3. 1.0 (I– SNOW IMPORTANCE FACTOR)
4. 1.0 (Ct– THERMAL FACTOR)

IV. WIND LOAD: SECTION 1609

1. 90 MPH (V– BASIC WIND SPEED)
2. 1.0 (I– WIND IMPORTANCE FACTOR)
3. C (WIND EXPOSURE CATEGORY)
4. 0.18 (GCpi– INTERNAL PRESSURE COEFFICIENT)
5. 16 PSF (INTERIOR ZONES) COMPONENTS AND CLADDING DESIGN PRESSURE (ROOF)
   29 PSF (EDGE ZONES) COMPONENTS AND CLADDING DESIGN PRESSURE (ROOF)
   45 PSF (CORNER ZONES) COMPONENTS AND CLADDING DESIGN PRESSURE (ROOF)
   16 PSF (INTERIOR ZONES) COMPONENTS AND CLADDING DESIGN PRESSURE (WALL)
   21 PSF (EDGE ZONES) COMPONENTS AND CLADDING DESIGN PRESSURE (WALL)
6. DESIGN BASE SHEAR – WIND
   34.3k (Vx)
   30.1k (Vy)

V. EARTHQUAKE LOAD: SECTION 1613–

1. (S.U.G.– SEISMIC USE GROUP)
2. 1.00 (SEISMIC IMPORTANCE FACTOR)
3. 0.36 (Ss– SHORT PERIOD MAPPED SPECTRAL RESPONSE ACCELERATION)
4. 0.105 (S1– 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE ACCELERATION)
5. D (SITE CLASS)
6. 0.369 (SDs– SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT)
   0.167 (Sd1– 1 SECOND PERIOD SPECTRAL RESPONSE COEFFICIENT)
7. (SEISMIC DESIGN CATEGORY)
8. BASIC SEISMIC-FORCE-RESISTING SYSTEM

   BRACED FRAME (ORTHOGONAL DIRECTION X & Y)

9. DESIGN BASE SHEAR – SEISMIC
   18.1k (Vx)
   22.0k (Vy)
10. 0.1229 (Cs– SEISMIC RESPONSE COEFFICIENT)
11. 3.0 (R– RESPONSE MODIFICATION FACTOR)
12. ANALYSIS PROCEDURE
    SIMPLIFIED (1617.5)
    EQUIVALENT LATERAL FORCE (1617.4)
    MODAL ANALYSIS (1618)

STRUCTURAL ABBREVIATIONS

@ = AT
A.B. = ANCHOR BOLTS
ABC = AGGREGATE BASE COURSE
A.E.F.F.E. = ABOVE EXISTING FINISHED FLOOR ELEVATION
A.F.F.E. = ABOVE FINISHED FLOOR ELEVATION
A.F.F.E. = ABOVE FINISHED FLOOR ELEVATION
ALT. = ALTERNATE
ARCH. = ARCHITECTURAL
B.F.F.E. = BELOW FINISHED FLOOR ELEVATION
B.M.B.M. = BASIC METAL BUILDING MANUFACTURE
B.R.F.F.E. = BASIC REFERENCE FINISHED FLOOR ELEVATION
BLDG. = BUILDING
BOT. = BOTTOM
B.O.W. = BOTTOM OF WALL
BRG. = BEARING
C.J. = CONSTRUCTION/CONTROL JOINT
CL = CENTER LINE
CLR. = CLEAR
CMU = CONCRETE MASONRY UNIT
COL. = COLUMN
CONC.= CONCRETE
CONN. = CONNECTION
CONST. = CONSTRUCTION
CONT. = CONTINUOUS
COOR. = COORDINATE
DET. = DETAIL
DIA. = DIAMETER
DIM. = DIMENSION
DWGS. = DRAWINGS
DWL. = DOWEL
E.A. = EACH
E.F.F.E. = EXISTING FINISHED FLOOR ELEVATION
E.J. = EXPANSION JOINT
ELEV. = ELEVATION
E.W. = EACH WAY
EXP. = EXPANSION
EXIST. = EXISTING
EXT. = EXTENSION
FLR. = FLOOR
FD = FLOOR DRAIN
FND. = FOUNDATION
FP = FULL PENETRATION
FTG. = FOOTING
HK. = HOOK
HORIZ. = HORIZONTAL
HSS = HOLLOW STRUCTURAL SECTION (TUBE OR PIPE)
INT. = INTERIOR
JT. = JOINT
K = KIP (1000 lbs)
LLH = LONG LEG HORIZONTAL
LLV = LONG LEG VERTICAL
MANUF. = MANUFACTURER
MAS. = MASONRY
MAX. = MAXIMUM
MECH. = MECHANICAL
MIN. = MINIMUM
NOM. = NOMINAL
O.C. = ON CENTER SPACING
OPNG. = OPENING
PC. = PRECAST
PL. = PLATE
REINF. = REINFORCEMENT
REQD. = REQUIRED
SC. = SLIP CRITICAL
SCHD. = SCHEDULE
SECT. = SECTION
T&B = TOP AND BOTTOM
T.O.F. = TOP OF FOOTING
T.O.P. = TOP OF PIER
T.O.S. = TOP OF STEEL
T.O.W. = TOP OF WALL
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
VERT. = VERTICAL
W = WIDE FLANGE MEMBER
W/ = WITH
WWF = WELDED WIRE FABRIC
* = COORD. WITH SITE PLAN

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MK	DATE	DESCRIPTION
REVISIONS		

SECTIONS AND SPECIFICATIONS

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NORTH CAROLINA PROFESSIONAL SEAL 20707 W. MOOREFIELD
08-04-17

FIRM REGISTRATION NO.: C-1323

DATE	08-04-2017
DRAWN BY	JKP
CHECK BY	JWM
JOB NO	17-081-000
SHEET	S3 of S8