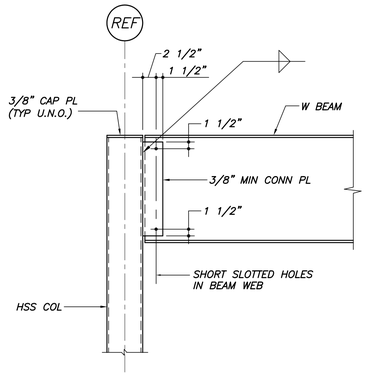
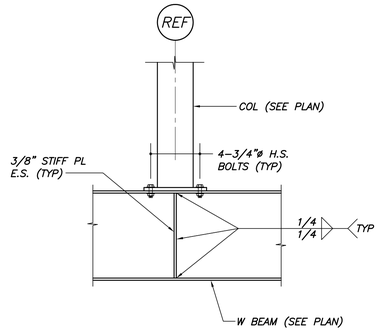


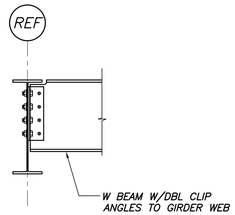
TYP BEAM TO HSS COL CONN U.N.O.

N.T.S.



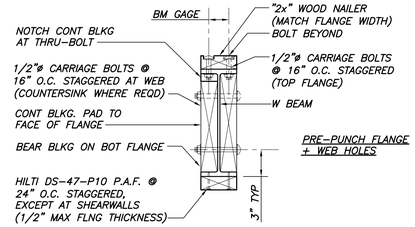
TYP COL TRANSFER DETAIL

N.T.S.



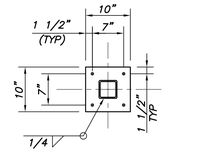
TYP BEAM/BEAM CONN DETAIL

N.T.S.



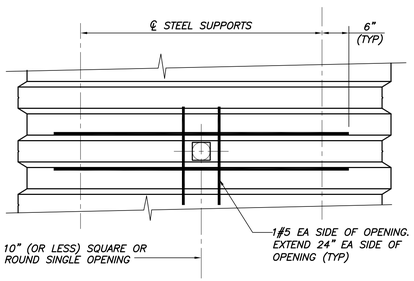
TYP WOOD NAILER/WEB BLKG TO W–BEAM DETAIL

N.T.S.



PL 3/4x10x0'–10" W/(4)–1 5/16"ø
HOLES FOR (4)–3/4øx1'–2" LONG
H.D. GALV ANCHOR RODS W/9"
EMBED & 5" PROJ

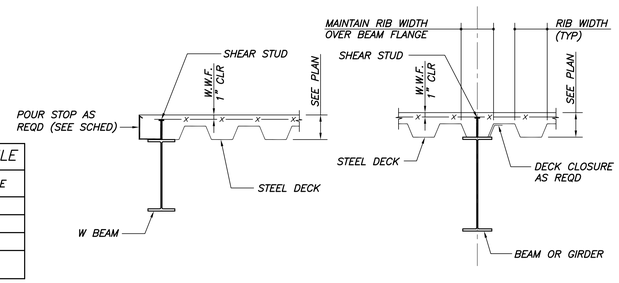
BP–A



PLAN OF TYP SMALL OPENING IN COMPOSITE CONC DECK

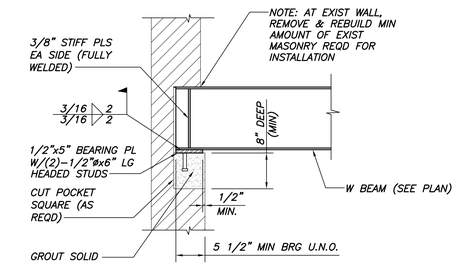
N.T.S.

POUR STOP SCHEDULE	
OVERHANG	POUR STOP GAGE
<3"	14 GA
3"–6"	12 GA
7"–9"	10 GA
>9"	SEE SECTIONS & DETAILS



TYP COMPOSITE DECK DETAILS

N.T.S.

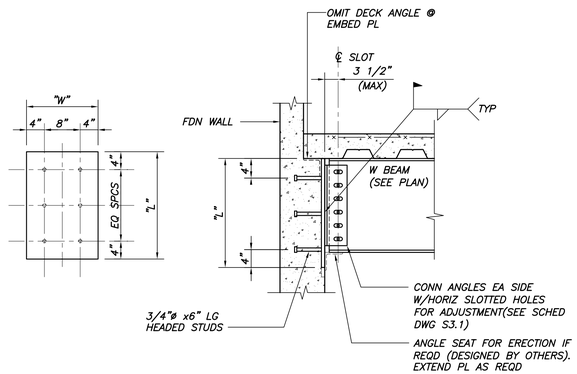


TYP BEAM BRG DETAIL U.N.O.

N.T.S.

NOTES:

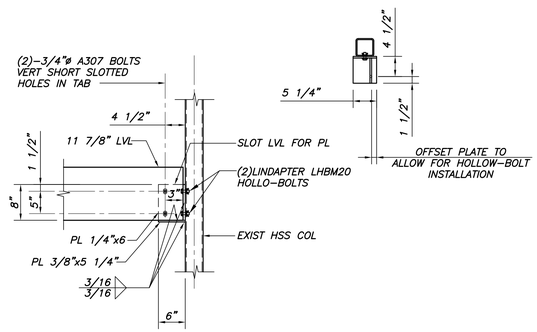
1. AT NEW CONSTRUCTION, LOCATE BOND BEAM COURSE DIRECTLY BELOW BEAM BEARING PLATE. CAST BEARING PLATE INTO BOND BEAM.
2. PLATE LENGTH SHALL MATCH WALL THICKNESS (8" MIN) AT EXIST CONDITIONS.



EMBED PLATE SCHEDULE		
BEAM SIZE	MIN # OF STUD ROWS	PLATE SIZE "T"x"W"x"L"
W8–W14	2	3/4x16x1'–4"
W16–W21	3	3/4x16x2'–0"

TYP EMBED PLATE DETAIL & SCHEDULE

N.T.S.



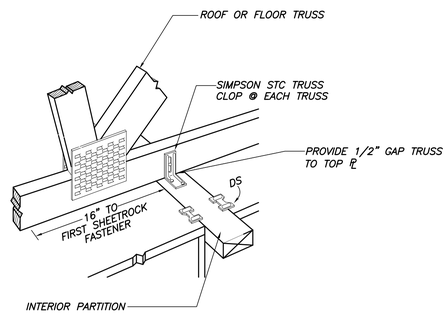
LVL TO EXIST HSS COL CONN

3/4"=1'–0"

SIMPLE SHEAR BEAM CONN. SCHEDULE					
BEAM SIZE	DESIGN REACTION	1 SIDED CONNECTION		2 SIDED CONNECTION	
		MIN BOLT ø	MIN # OF BOLTS	MIN BOLT ø	MIN # OF BOLTS
W8/W10	12k	3/4"	2	3/4"	2
W12	20k	3/4"	3	3/4"	3
W16	30k	3/4"	4	3/4"	3

SIMPLE SHEAR CONNECTIONS NOTES:

1. SIMPLE SHEAR CONNECTIONS SHALL BE SELECTED FROM THE AISC "MANUAL OF STEEL CONSTRUCTION, THIRTEENTH EDITION" USING THE ABOVE REFERENCED REACTIONS AND CRITERIA. REACTIONS INDICATED ARE UNFACTORED (SERVICE LEVEL LOADS). MORE BOLTS THAN REFERENCED IN THE "MINIMUM" SECTIONS ABOVE MAY BE REQUIRED FOR LOAD REQUIREMENTS.
2. CONNECTIONS ARE SUBJECT TO REVIEW ON THE STEEL SHOP DRAWINGS.
3. ALL BOLTS SHALL BE A325 OR A490 FOR SIMPLE SHEAR CONNECTIONS, MIN 3/4"ø. MINIMUM WELD SIZE SHALL BE 5/16". MIN ANGLE/PLATE THICKNESS SHALL BE 3/8".
4. ONE SIDED CONNECTIONS INCLUDE SINGLE PLATES AND SINGLE ANGLE CONNECTIONS.
5. TWO SIDED CONNECTIONS INCLUDE DOUBLE ANGLE AND END PLATE CONNECTIONS.



TYP ATTACHMENT OF NON–LOAD BEARING WALLS

N.T.S.

NOTE: WHERE WALLS ARE PARALLEL TO TRUSSES, ADD BLOCKING WITH STC CLIPS AT 2'–0" O.C. PROVIDE 1/2" GAP.

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CONSIGLI
Est. 1905
BECKER
STRUCTURAL ENGINEERS

REVISIONS

No.	Description	Date
-	-	-

PERMIT SET

UNIVERSITY OF NEW ENGLAND
PORTLAND, MAINE

ALUMNI HALL RENOVATION

FRAMING SECTIONS & DETAILS

Project Number	3450
Date	May 1, 2015
Drawn by	MSK
Checked by	CGW

S10

Scale AS NOTED