

NOTE
FILL HOLLOW IN WALL UNDER BEARING PLATE SOLID WITH MORTARED BRICK BEFORE PLACING PLATE. (MINIMUM 3 COURSES)

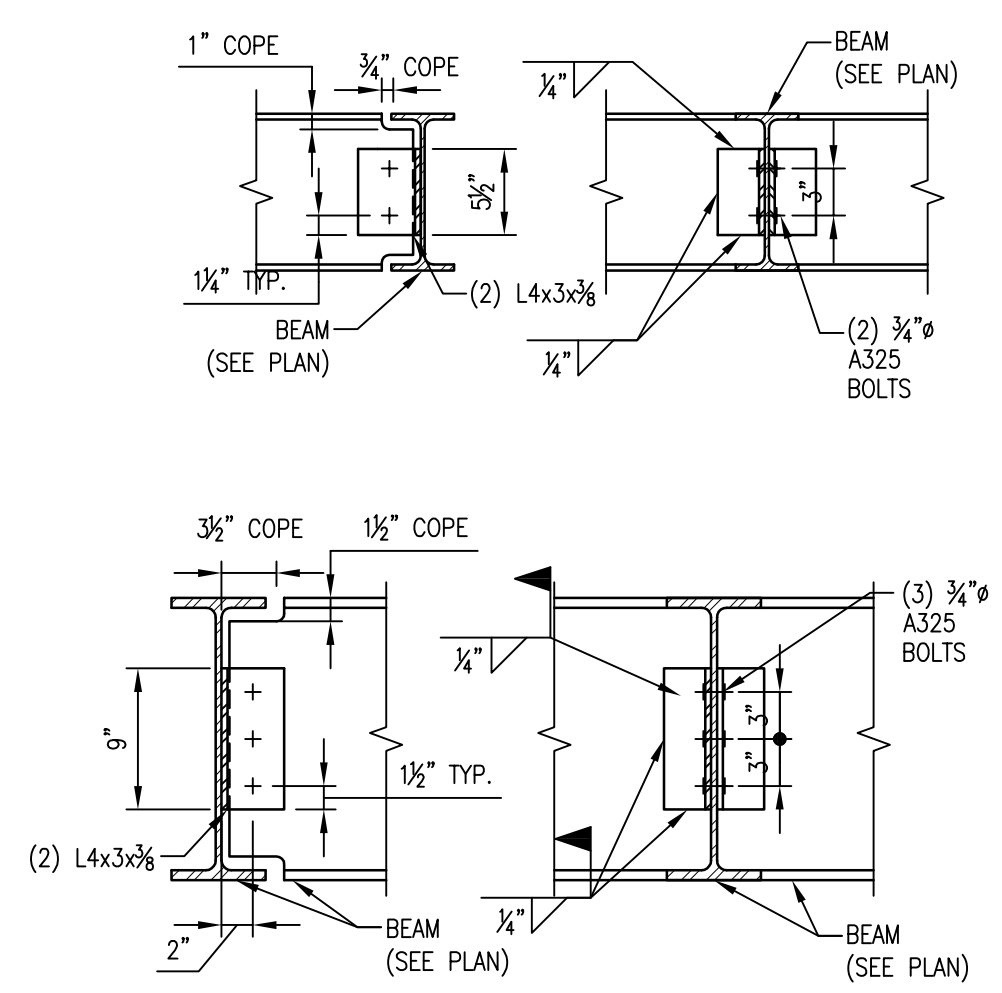
NOTE
CUT POCKET IN WALL AS SHOWN. AFTER BEAM IS INSTALLED BRICK UP POCKET SOLID. FULL MORTAR BEDDING IN ALL H & V BRICK JOINTS, TO POCKET FACES AND TO BEAM. (ALTERNATE: GROUT SOLID)

SECTION

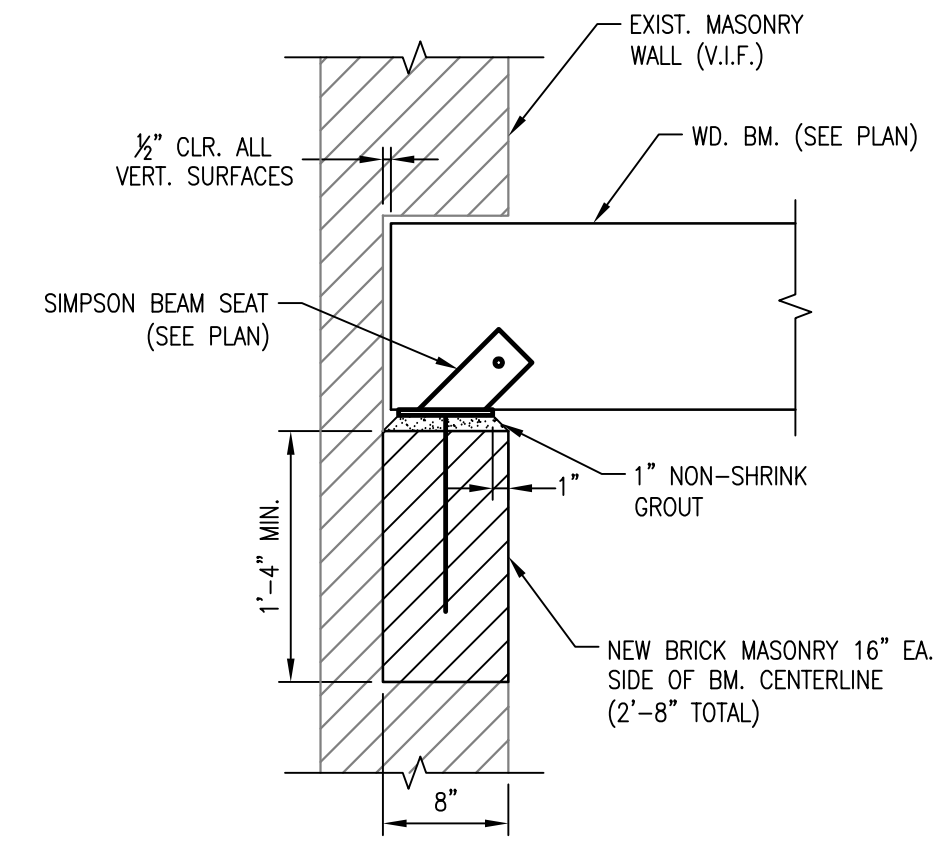
ELEVATION

BEARING PLATE SCHEDULE			
MARK	LENGTH (TO BM.)	WIDTH (⊥ TO BM.)	THICKNESS
BP-1	8"	14"	1/2"
BP-2	8"	8"	1/2"

1 BEAM BEARING ON EXISTING WALL
S4.2 SCALE: 3/4" = 1'-0"

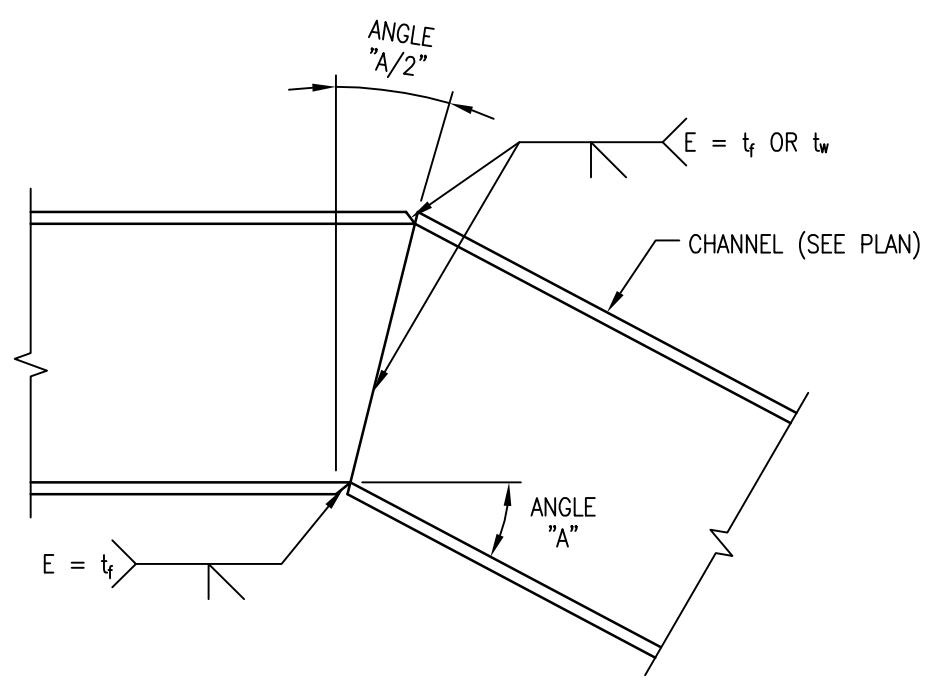


5 TYPICAL BEAM TO BEAM CONNECTION
S4.2 SCALE: 1" = 1'-0"

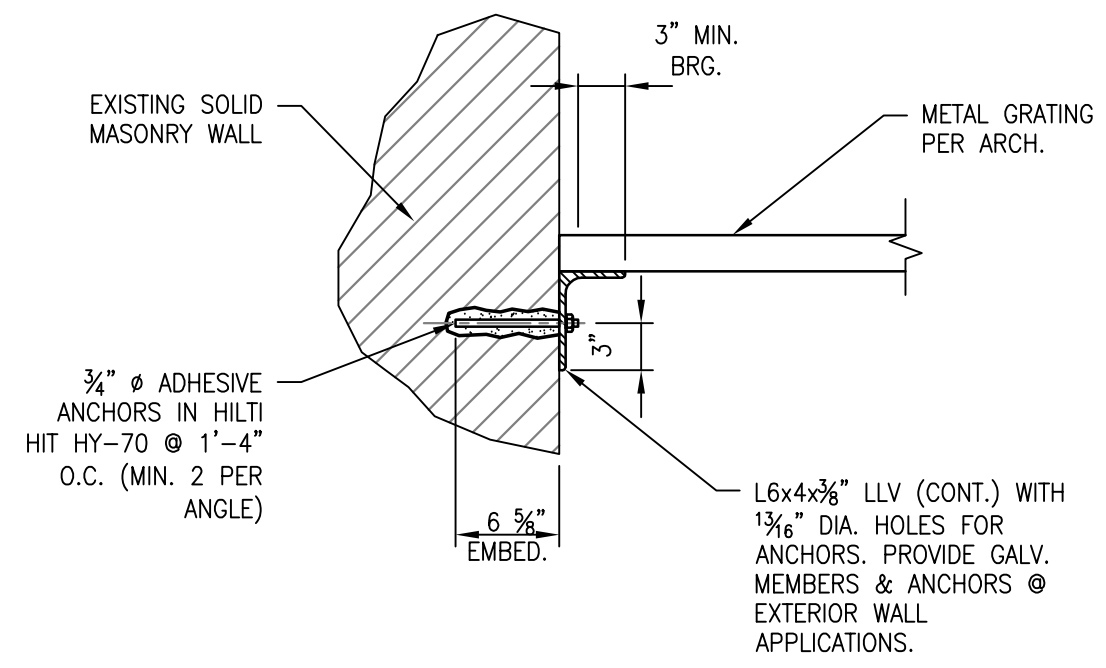


NOTES:
1. CUT POCKET IN WALL AS SHOWN. APPLY BONDING AGENT TO ALL FACES OF POCKET. BRICK UP POCKET AFTER BEAM IS INSTALLED LEAVING 1/2" AIR SPACE ALL AROUND.
2. CONTRACTOR SHALL SUBMIT PROPOSED INSTALLATION PROCEDURE FOR ENGINEER'S REVIEW PRIOR TO BEGINNING WORK.

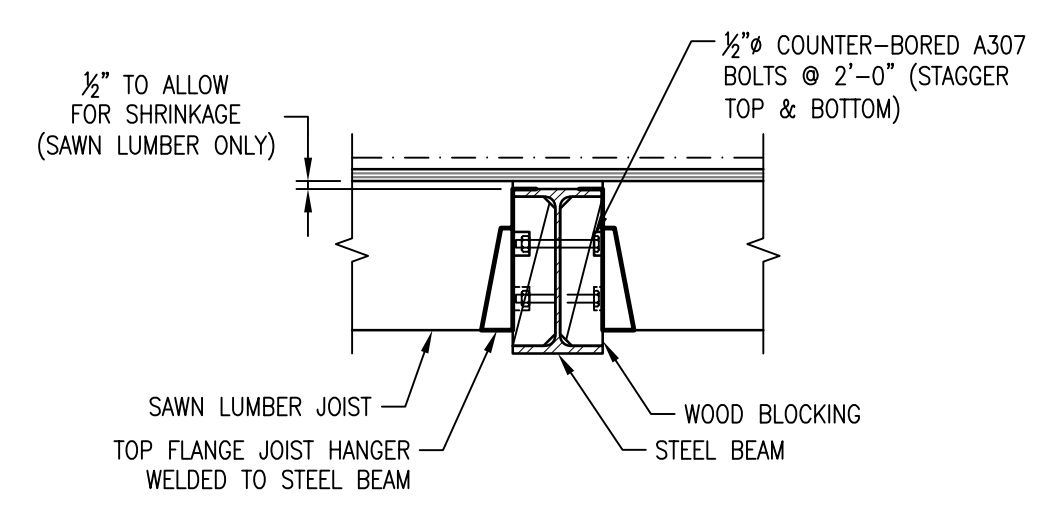
6 WOOD BEAM BEARING ON EXIST. WALL (HIGH CAPACITY)
S4.2 SCALE: 1" = 1'-0"



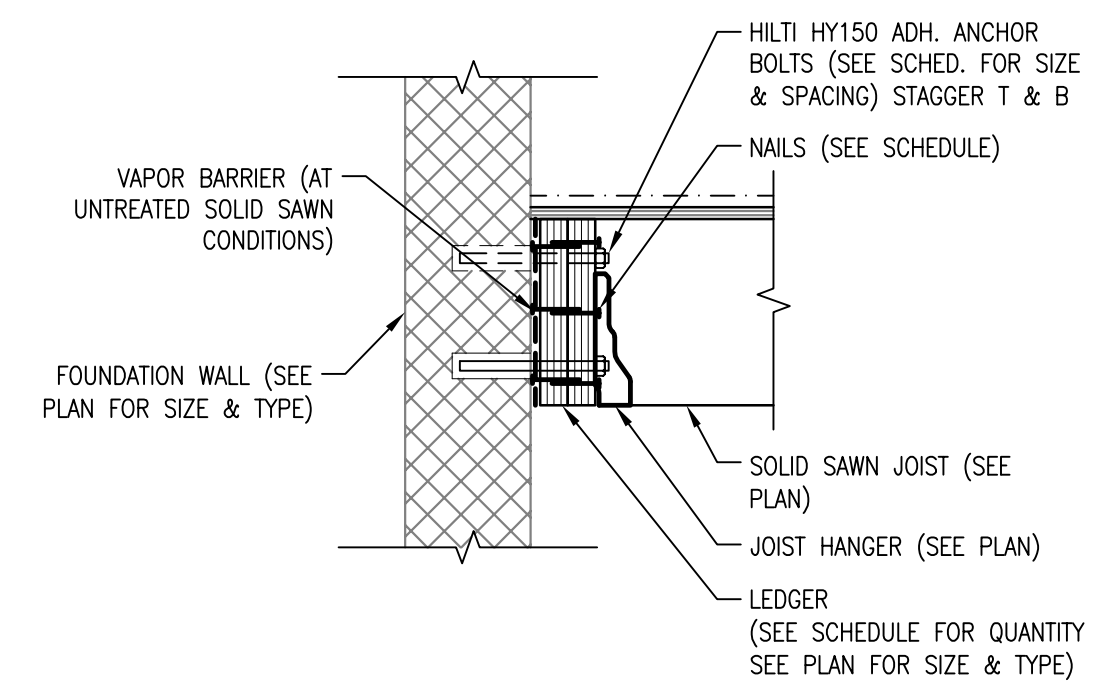
2 BENT STRINGER DETAIL
S4.2 SCALE: 1-1/2" = 1'-0"



3 STEEL ANGLE LEDGER INTO BRICK MASONRY WALL
S4.2 SCALE: 1" = 1'-0"



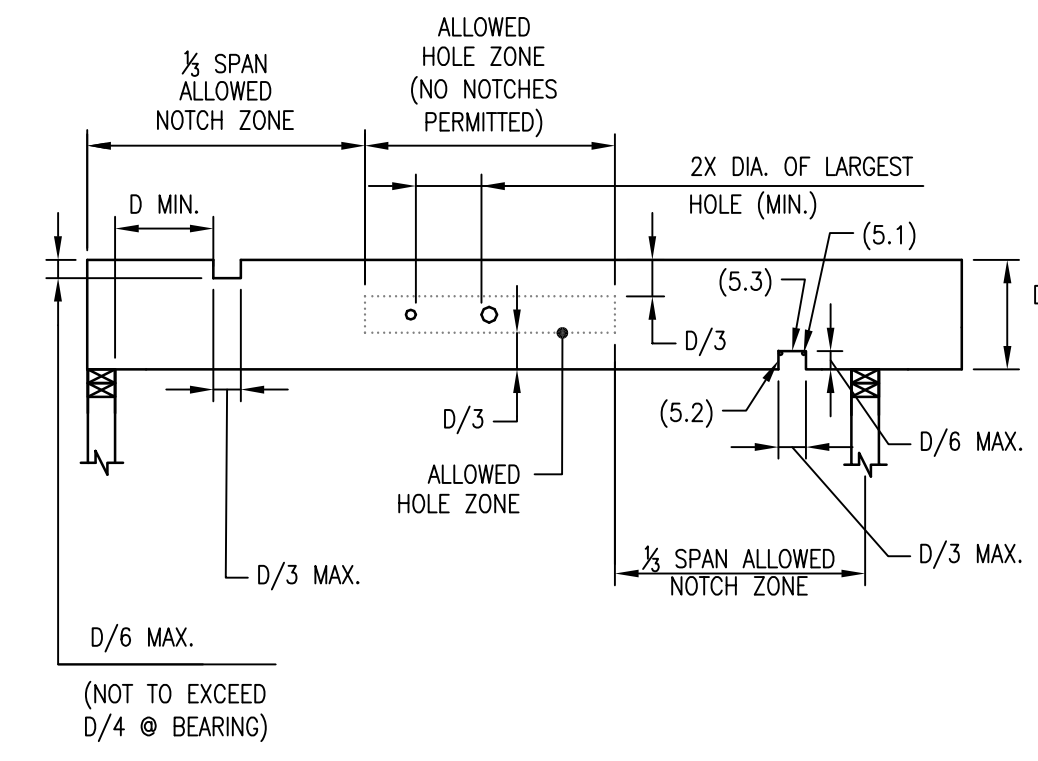
7 STEEL BEAM WITH PACKED WEB
S4.2 SCALE: 1" = 1'-0"



JOIST TYPE	JOIST SPAN	LEDGER QUANTITY	BOLT SPACING	NAILS
	< 9'-0"	1	3/8" @ 16"	N/A
SOLID SAWN	9'-0" < L < 12'-6"	2 (*)	3/8" @ 16"	(6) 10d BOX @ 16"
	> 12'-6"	2 (*)	3/8" @ 8"	(9) 10d BOX @ 16"

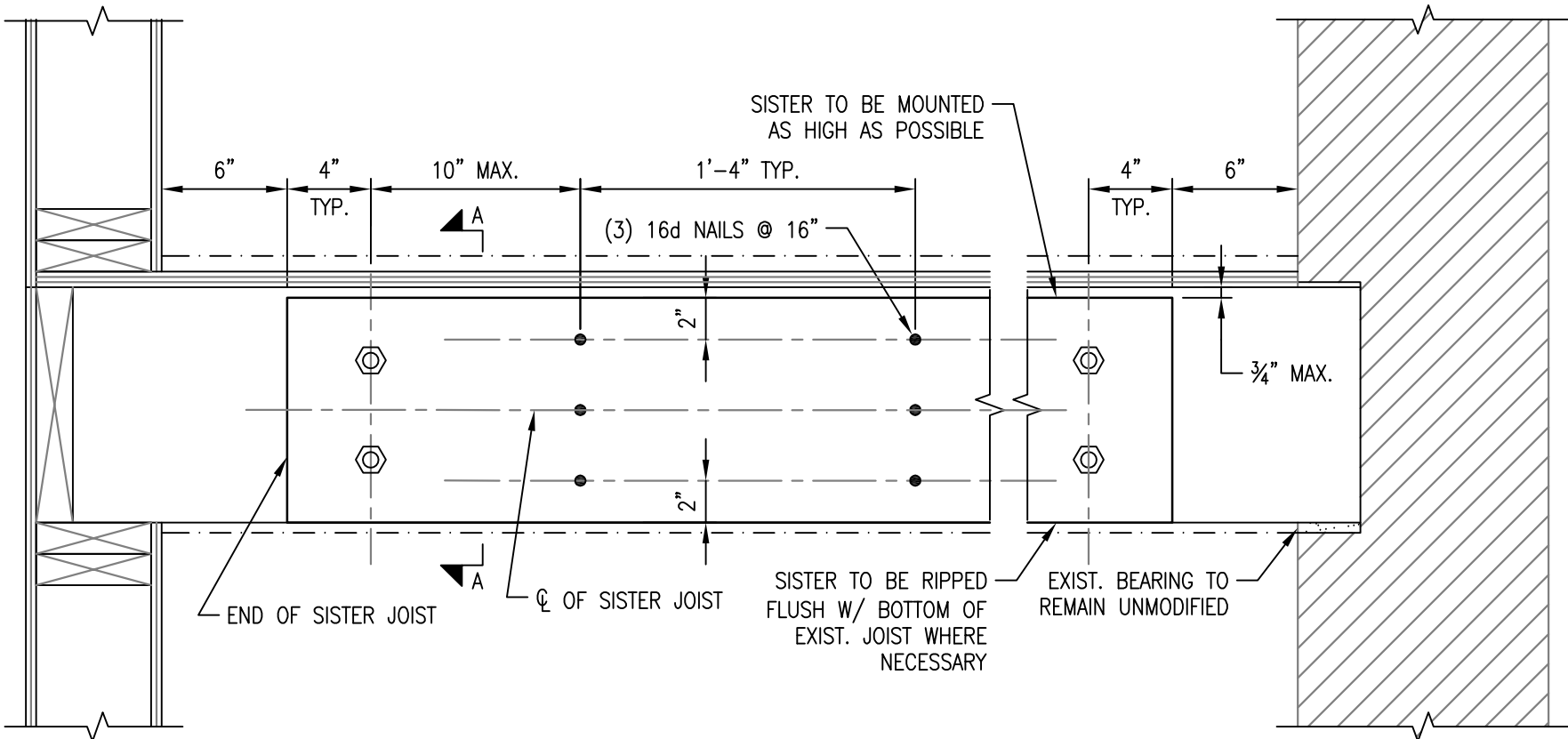
(*) PRE-NAIL LEDGER BEFORE ATTACHING TO WALL

4 TYPICAL WOOD LEDGER DETAIL
S4.2 SCALE: 1" = 1'-0"



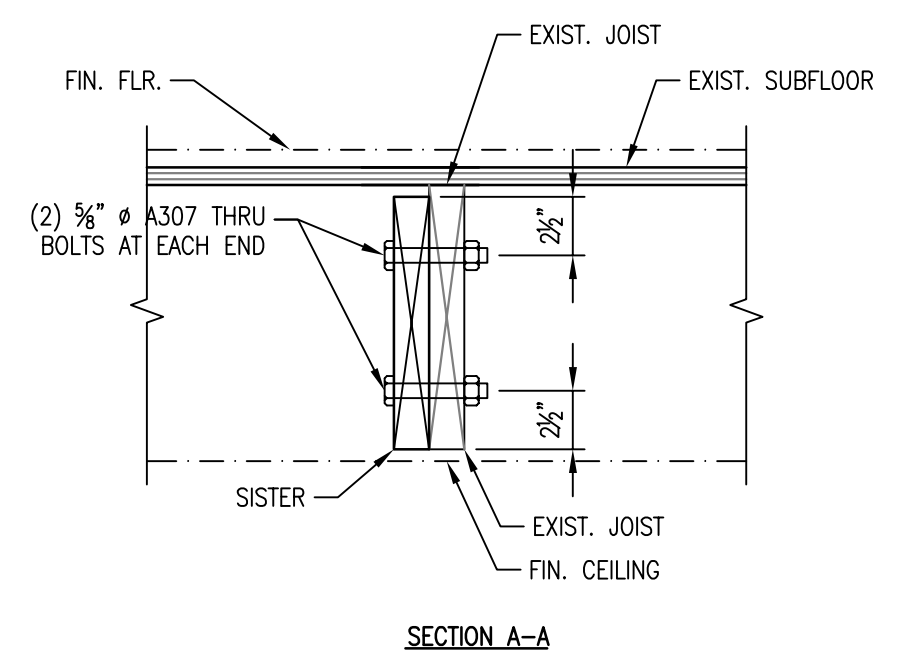
- FOR UNIFORMLY LOADED BEAMS ONLY.
- RECTANGULAR HOLES ARE NOT ALLOWED.
- NO HOLES IN CANTILEVERS.
- NO HOLES IN HEADERS OR BEAMS IN PLANK ORIENTATION.
- NOTCHING PROCEDURE TO PREVENT OVER-CUTTING:
 - DRILL HOLES THROUGH JOISTS AT THE UPPER MOST CORNERS.
 - CUT VERTICALLY BELOW THE DRILLED HOLES.
 - CONNECT DRILLED HOLES HORIZONTALLY.

8 ALLOWABLE HOLES AND NOTCHES IN WOOD FRAMING
S4.2 SCALE: 1" = 1'-0"



NOTE:
REPLACE AND/OR PROVIDE BLOCKING AND BRIDGING AS NECESSARY. SEE PROJECT GENERAL NOTES.

9 NAILED/ BOLTED WOOD SISTER
S4.2 SCALE: 1-1/2" = 1'-0"



SECTION A-A

NORTH (magnetic)

Charles Washington Hall

RENOVATIONS
Corner of George & Washington Streets
Charles Town, W.Va.

For the
City of Charles Town
City of Ranson

Planning & Engineering (prime)
Hall Planning & Engineering, Inc
316 Williams Street
Tallahassee, FL 32303

Planning & Architecture
Stromberg/Garrigan & Assoc., Inc.
102 E. Main Street - The Penn Bldg
Somerset, PA 15501

Structural Engineer
Robert Silman Associates
1053 31st Street NW
Washington D.C. 20007

Mech/Elect Engineer
Comfort Designs
620 Pennsylvania Avenue
Winchester, VA 22601

Architect
GROVE & DALL'OLIO
ARCHITECTS PLLC
220 WEST KING • MARTINSBURG, WEST VIRGINIA • 25401

Issue/Revision	Seal

Drawing Title
TYPICAL SUPERSTRUCTURE DETAILS

09/26/2014
Scale Project Number
Drawing Number

S4.2