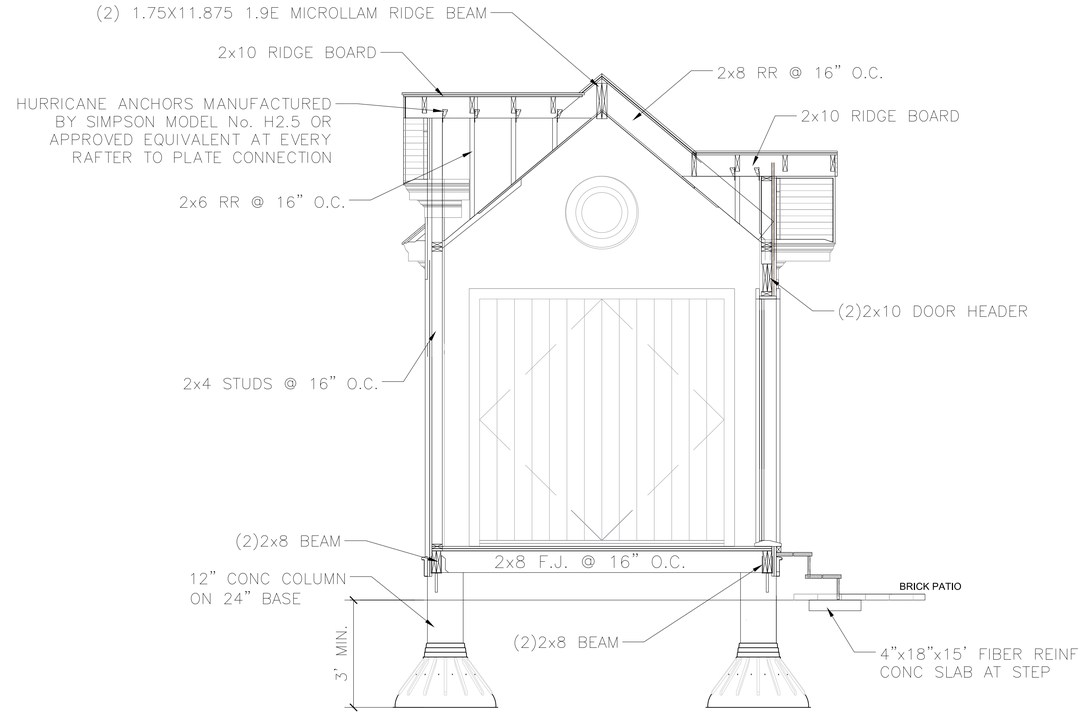
SITE WORK
STAKEOUT IS TO BE PERFORMED BY A LICENSED SURVEYOR. STAKING AND LAYOUT ARE TO ESTABLISH ALL LINES AND BENCHMARKS. VERIFY ALL GIVEN DATA ON DRAWINGS. IN CASE OF DISCREPANCY, RECEIVE CLARIFICATION FROM OWNER PRIOR TO PROCEEDING. EXCAVATE AND BACK FILL FOR WORK INDICATED ON DRAWINGS. STOCKPILE TOPSOIL OBTAINED FROM STRIPPING DRIVEWAY AND BUILDING SITE. STOCKPILE ALL EXCAVATED MATERIAL. NEW AND EXISTING BACK FILL MATERIAL AND TOPSOIL ARE TO BE FREE OF WEEDS, TREE ROOTS, ROCKS AND DEBRIS. ALL SURPLUS MATERIAL THAT IS UNSUITABLE FOR BACK FILL MATERIAL SHALL BE REMOVED FROM THE SITE. PROTECT ALL TREES WITHIN EIGHT FEET OF THE BUILDING. PROPER APPROVALS MUST BE OBTAINED BEFORE COVERING ANY EXCAVATED WORK.

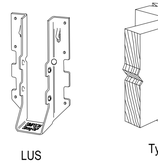
CONCRETE
NO CONCRETE OR MASONRY WORK SHALL BE DONE DURING TEMPERATURES OF 40 DEGREES F. AND FALLING. NO CONCRETE SHALL BE PLACED ON FROZEN SURFACES. NO ADDITIVES SHALL BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE ENGINEER. ALL CONCRETE IS TO BE MIN. 3,000 P.S.I. AT 28 DAYS.

FRAMING AND ROUGH CARPENTRY
JOISTS AND RAFTERS SHALL BE CONSTRUCTION GRADE DOUGLAS FIR 1100 PSI. ALL WOOD SILLS AND WOOD IN CONTACT WITH MASONRY SHALL BE ACQ TREATED. PROVIDE SOLID BLOCKING AND DIAGONAL BRACING OF JOISTS AT 8' O.C. MAXIMUM AND SOLID BLOCKING UNDER ALL COLUMNS AND GIRDER SUPPORTS.

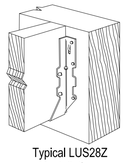
DESIGN LOADS AND SPECIFICATIONS	
GROUND SNOW LOAD	20 PSF
DECK LIVE LOAD	na
CEILING LIVE LOAD	na
FIRST FLOOR LIVE LOAD	40 PSF
DESIGN WIND SPEED (TABLE R301.2.1.3)	109 MPH
SEISMIC DESIGN CATEGORY	B
WEATHER INDEX	SEVERE
FROST LINE DEPTH	3 FEET
TERMITE	MODERATE TO HEAVY
DECAY	SLIGHT TO MODERATE
WINTER DESIGN TEMPERATURE	na
ICE SHIELD UNDERLAYMENT REQUIRED	na
CLIMATE ZONE	4
CONSTRUCTION TYPE	V
SOIL CAPACITY	1,500 PSF



SEE DRAWING A-100 FOR LOCATION AND CONFIGURATION

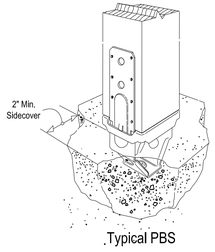


LUS



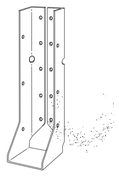
Typical LUS28Z Installation

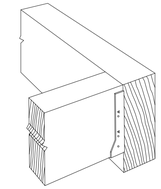
Installation:
- LUS hangers install with double shear nailing.
- For installations into single 2x headers or ledgers, use the specified full length fasteners into the joist and the following fasteners into the header for reduced loads in accordance with www.strongtie.com:
  - 10dx1½ nails for installations with Nails
  - SD #9x1½ for LUS28Z and LUS210Z installations with SD Screws
  - SD #10x1½ for LUS26-2Z and LUS210-2Z installations with SD Screws



Typical PBS

Installation:
- Embed into wet concrete up to the bottom of the 1" standoff base plate. A 2" minimum side cover is required to obtain the full load. Holes in the bottom of the straps allow for free concrete flow.
- Allow concrete to cure before installation of the post.



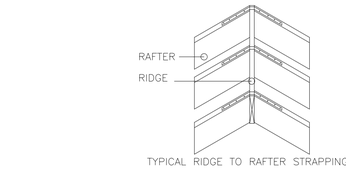


Typical HUC Installation (LUC Similar)

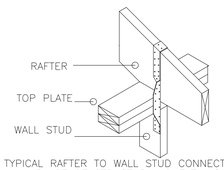
Installation:
- For HUC installations, models have triangle and round holes. To achieve maximum loads, fill both round and triangle holes (fastener quantities listed fill both holes).
- For installations into single 2x headers or ledgers, use the specified full length fasteners into the joist and the following fasteners into the header for reduced loads in accordance with www.strongtie.com:
  - 10dx1½ nails for installations with Nails
  - SD #9x1½ for LUC26Z and LUC210Z installations with SD Screws

FRAMING CONNECTOR DETAILS
SCALE NTS

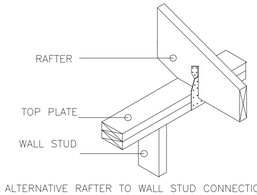
PAVER DETAILS
SCALE NTS



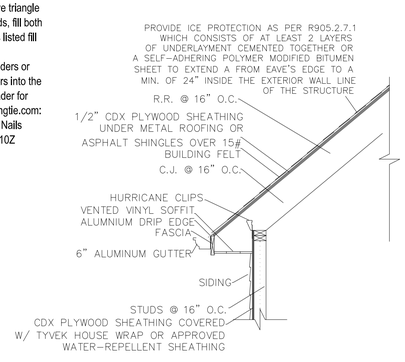
TYPICAL RIDGE TO RAFTER STRAPPING



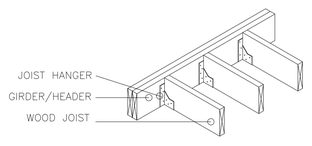
TYPICAL RAFTER TO WALL STUD CONNECTION IN PLACE OF STRUCTURAL SHEATHING



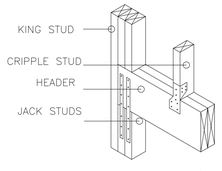
ALTERNATIVE RAFTER TO WALL STUD CONNECTION



LOCATE GUTTERS & DOWNSPOUTS TO COLLECT FROM NO MORE THAN 600SF OF ROOF AREA



JOIST FRAMING FLUSH WITH GIRDER/HEADER



TYPICAL HEADER CONNECTION IN PLACE OF STRUCTURAL SHEATHING

WIND RESISTANT CONSTRUCTION CONNECTORS

CONNECTION LOCATION:	PART NUMBER:	NOTES:
RIDGE-TO-RAFTERS	CS20 @ 21"	APPLY TO EACH PAIR OF RAFTERS
RAFTER-TO-WALL	H7	APPLY TO EACH RAFTER
RAFTER-TO-PLATE	H8 or H2.5	APPLY TO EACH RAFTER
PLATE-TO-WALL STUD	CS20 @ 18"	APPLY TO EACH WALL STUD
HEADER-TO-JACK STUD	CS20 @ 12"	APPLY TO EACH JACK STUD
CRIPPLE STUD-TO-HEADER	H3	APPLY TO EACH CRIPPLE STUD

USE THE FOLLOWING OR APPROVED SIMPSON METAL CONNECTORS FOR PROPER WIND RESISTANT CONSTRUCTION. FOLLOW MANUFACTURE'S RECOMENDED INSTALLATION INSTRUCTIONS TO ACHIEVE MAXIMUM UPLIFT LOAD CAPACITY.

CONSTRUCTION DETAILS & WIND LOAD PATH CONNECTION DETAILS
NOT TO SCALE

SHERMAN ENGINEERING & CONSULTING P.A.
14 NELMAR AVE ST AUGUSTINE FL
ST AUGUSTINE, FL 32084
631.831.3872

REV | DATE | COMMENTS
1 | 3.23.21 | ISSUED FOR PERMIT

CHECKED BY: SECPC
DRAWN BY: MBS

PROPOSED BUILDING
MILLER-MORROW
512 CARPENTER ST
GREENPORT, NY 11944

DRAWING: STRUCTURAL DETAILS

JOB#: EO22102
DATE: 03.16.21
SCALE: AS NOTED

DRAWING NUMBER
S-100