

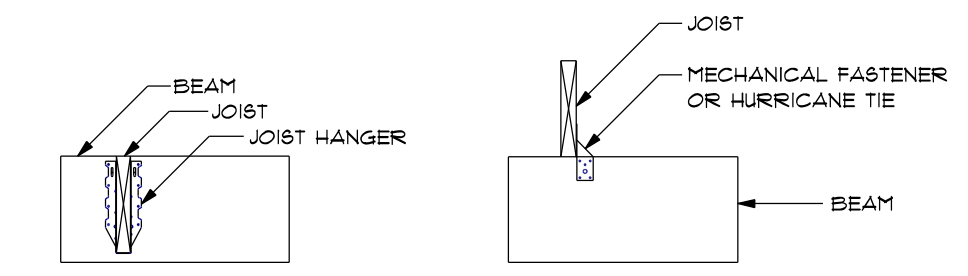
DECKS SHALL BE SUPPORTED ON CONCRETE FOOTINGS OR OTHER APPROVED STRUCTURAL SYSTEMS DESIGNED TO ACCOMMODATE ALL LOADS IN ACCORDANCE WITH SECTION R301. DECK FOOTINGS SHALL BE SIZED TO CARRY THE IMPOSED LOADS FROM THE DECK STRUCTURE TO THE GROUND AS SHOWN IN FIGURE R301.3. THE FOOTING DEPTH SHALL BE IN ACCORDANCE WITH SECTION R403.1.4.

THE MINIMUM SIZE OF CONCRETE FOOTINGS SHALL BE IN ACCORDANCE WITH TABLE R301.3.1, BASED ON TRIBUTARY AREA AND ALLOWABLE SOIL-BEARING PRESSURE IN ACCORDANCE WITH TABLE R401.4.1.

DECK FOOTINGS SHALL EXTEND BELOW THE FROST LINE SPECIFIED IN TABLE R301.2(1) IN ACCORDANCE WITH SECTION R403.1.4.1.

FOR SINGLE-LEVEL WOOD-FRAMED DECKS WITH BEAMS SIZED IN ACCORDANCE WITH TABLE R301.5, DECK POST SIZE SHALL BE IN ACCORDANCE WITH TABLE R301.4.

GUARD REQUIREMENTS



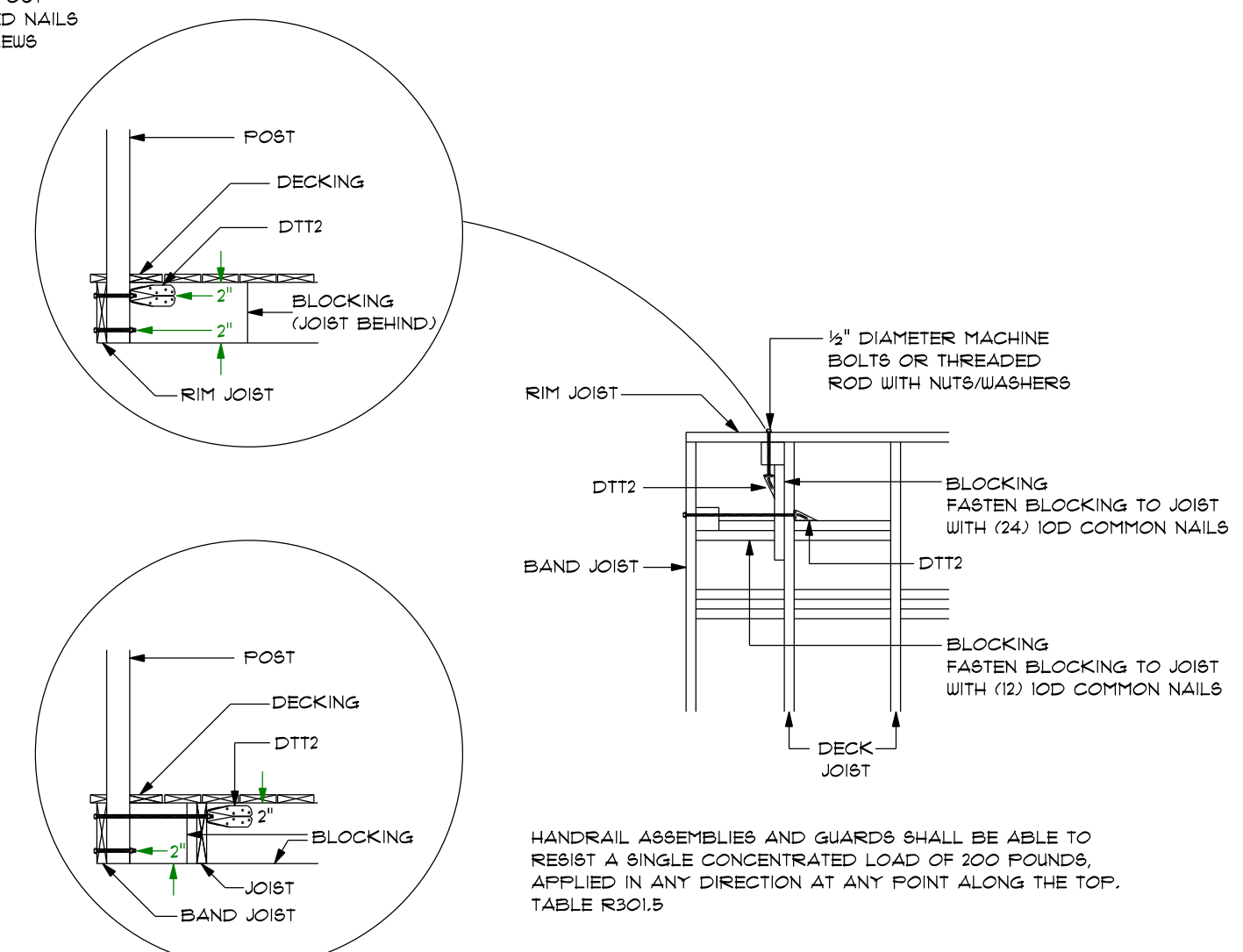
WHERE POSTS AND BEAMS OR GIRDER CONSTRUCTION IS USED TO SUPPORT FLOOR FRAMING, POSITIVE CONNECTIONS SHALL BE PROVIDED TO ENSURE AGAINST UPLIFT AND LATERAL DISPLACEMENT. (SECTION R302.9)

JOISTS SHALL BE SUPPORTED Laterally AT THE ENDS BY FULL-DEPTH SOLID BLOCKING NOT LESS THAN 2" NOMINAL THICKNESS, OR BY ATTACHMENT TO A FULL-DEPTH HEADER, BAND OR RIM JOIST, OR SHALL BE OTHERWISE PROVIDED WITH LATERAL SUPPORT TO PREVENT ROTATION. (SECTION R302.1)

JOIST-TO-BEAM CONNECTION

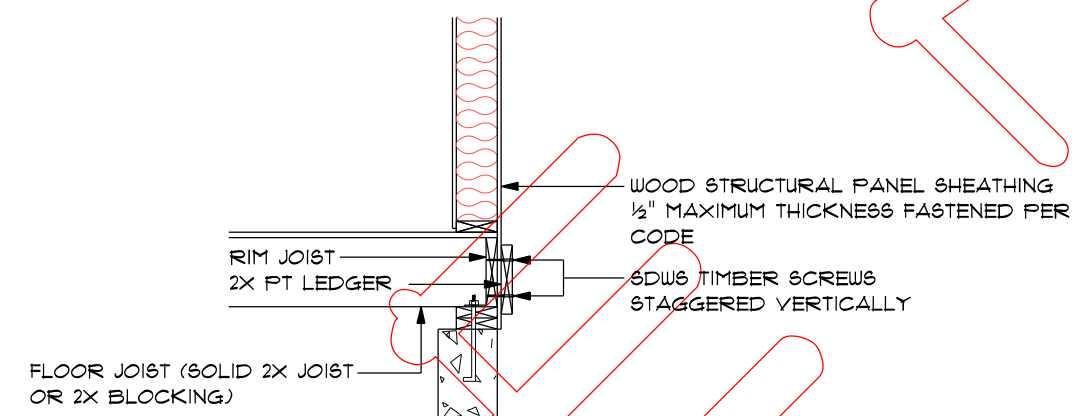
GENERIC DECK FRAMING DETAILS

- WOOD FRAMED DECKS SHALL BE IN ACCORDANCE WITH SECTION R301.
- ALL DECK FRAMING WOOD AND WOOD BASED PRODUCTS SHALL BE IN ACCORDANCE WITH SECTION R311, PROTECTION OF WOOD AND WOOD BASED PRODUCTS AGAINST DECAY.
- FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE IN ACCORDANCE WITH SECTION R311.3.
- DECK FINISH MATERIALS, DECKING, BALUSTERS, ETC... PER BUILDERS SPECIFICATIONS.
- REFER TO STAIR DETAIL SHEET FOR STAIR AND HANDRAIL REQUIREMENTS.



CODE-COMPLIANT GUARDRAIL POST CONNECTION USING SIMPSON STRONG-TIE DTT2 DECK TENSION TIE. DTT2 ATTACHMENT SHOWN FOR GUARDRAIL POST OUTSIDE OF RIM JOIST. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS.

GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, RAMPS, LANDINGS THAT ARE LOCATED MORE THAN 30" MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW ANY POINT WITHIN 36" HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. (SECTION R312)



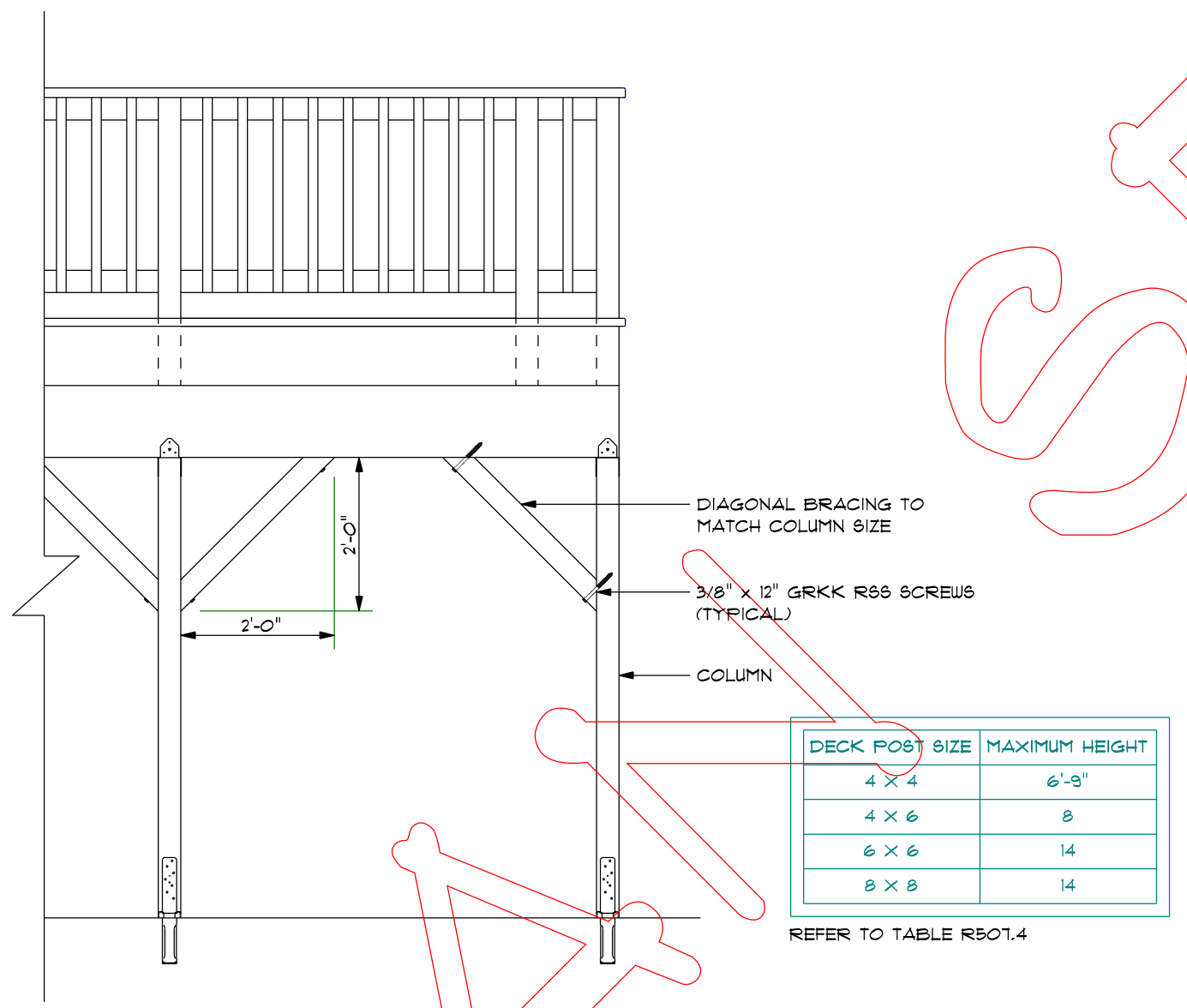
LEDGER ATTACHMENT

WHERE SUPPORTED BY ATTACHMENT TO AN EXTERIOR WALL, DECKS SHALL BE POSITIVELY ANCHORED TO THE PRIMARY STRUCTURE AND DESIGNED FOR BOTH VERTICAL AND LATERAL LOADS. SUCH ATTACHMENT SHALL NOT BE ACCOMPLISHED BY THE USE OF TOENAILS OR NAILS SUBJECT TO WITHDRAWAL. (SECTION R301.8)

DECK LEDGERS SHALL NOT BE SUPPORTED ON STONE OR MASONRY VENEER. (SECTION R301.3.1)

1/2" LAG SCREWS AND 1/2" BOLTS MAY BE USED FOR A LEDGER TO BAND JOIST TO SUPPORT A LIVE OR SNOW LOAD OF 40 PSF ALLOWING UP TO A TOP PSF SNOW LOAD AND A DEAD LOAD OF 10 PSF. (TABLE R301.3.1.3)

DECK LEDGER CONNECTIONS TO BAND JOISTS SHALL BE IN ACCORDANCE WITH SECTION R301. FOR OTHER GRADES, SPECIES, CONNECTION DETAILS AND LOADING CONDITIONS, DECK LEDGER CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH SECTION R301.

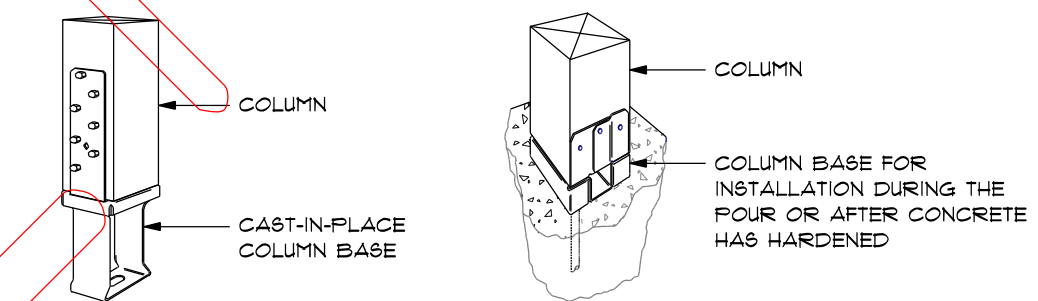


DIAGONAL BRACING REQUIREMENTS

PROVIDE DIAGONAL BRACING PARALLEL TO THE BEAM AT EACH POST. BRACING SHALL BE BOLTED TO THE POST AT ONE END AND THE BEAM AT THE OTHER. DECKS THAT ARE ATTACHED TO THE HOUSE DO NOT REQUIRE DIAGONAL BRACING PERPENDICULAR TO THE HOUSE.

DECK POST SIZE	MAXIMUM HEIGHT
4 x 4	6'-9"
4 x 6	8
6 x 6	14
8 x 8	14

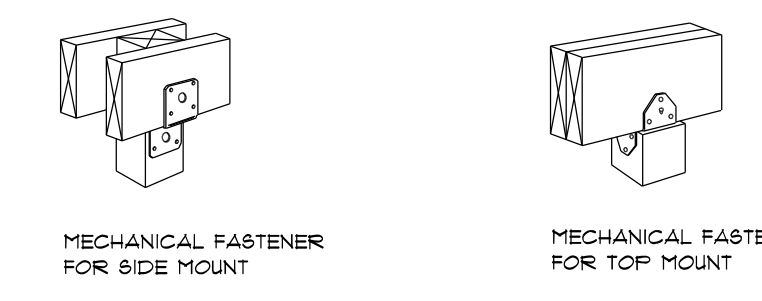
REFER TO TABLE R301.4



COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE BOTTOM END. SUCH LATERAL RESTRAINT SHALL BE PROVIDED BY MANUFACTURED CONNECTORS INSTALLED IN ACCORDANCE WITH SECTION R301 AND THE REQUIREMENTS, OR A MINIMUM POST EMBEDMENT OF 12" IN SURROUNDING SOILS OR CONCRETE FIBER. WOOD COLUMNS SHALL NOT BE LESS IN NOMINAL SIZE THAN 4" x 4".

COLUMN AND POST-END CONNECTIONS SHALL BE FASTENED TO RESIST LATERAL AND NET INDUCED UPLIFT FORCES.

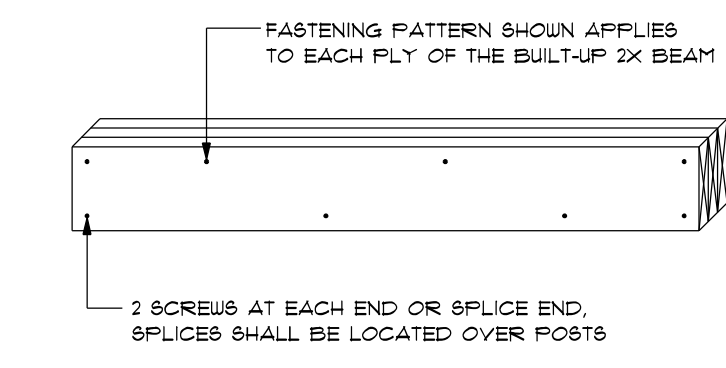
POST BASE CONNECTION



BEAM-TO-POST CONNECTION

DECK BEAMS SHALL BE ATTACHED TO WOOD POSTS IN ACCORDANCE WITH FIGURES R301.5.1(1) AND R301.5.1(2), OR BY OTHER MEANS CAPABLE TO RESIST LATERAL DISPLACEMENT (SECTION R301.5.2)

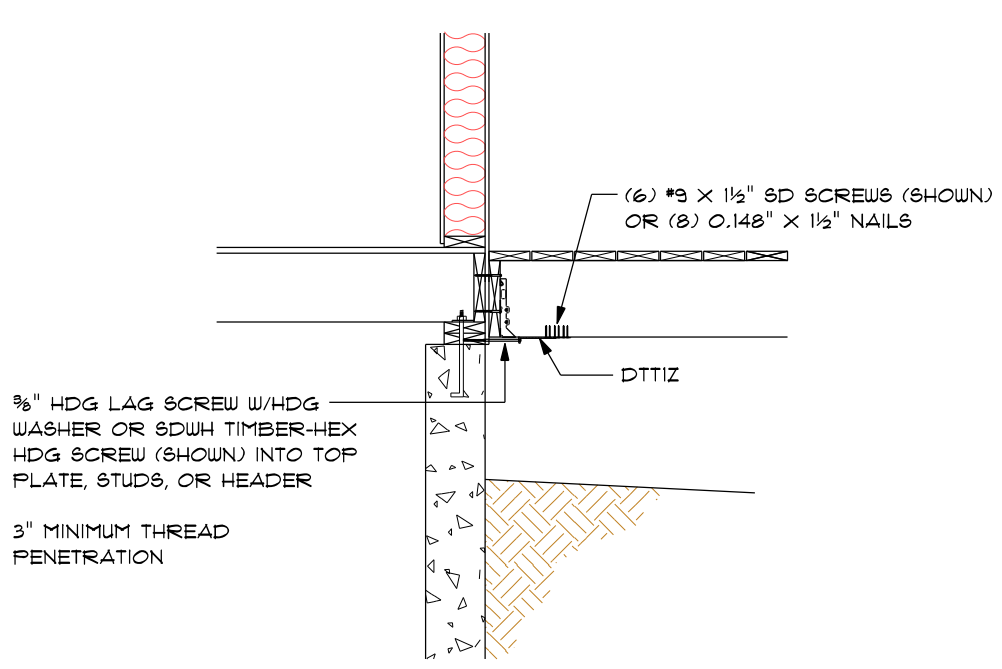
WHERE POSTS AND BEAM OR GIRDER CONSTRUCTION IS USED TO SUPPORT FLOOR FRAMING, POSITIVE CONNECTIONS SHALL BE PROVIDED TO ENSURE AGAINST UPLIFT AND LATERAL DISPLACEMENT (SECTION R302.9)



BEAM ASSEMBLY

DECK BEAMS SHALL BE FASTENED TOGETHER WITH 2 ROWS OF 10D BOX NAILS MINIMUM 16" O/C ALONG EACH EDGE PER SECTION R301.5

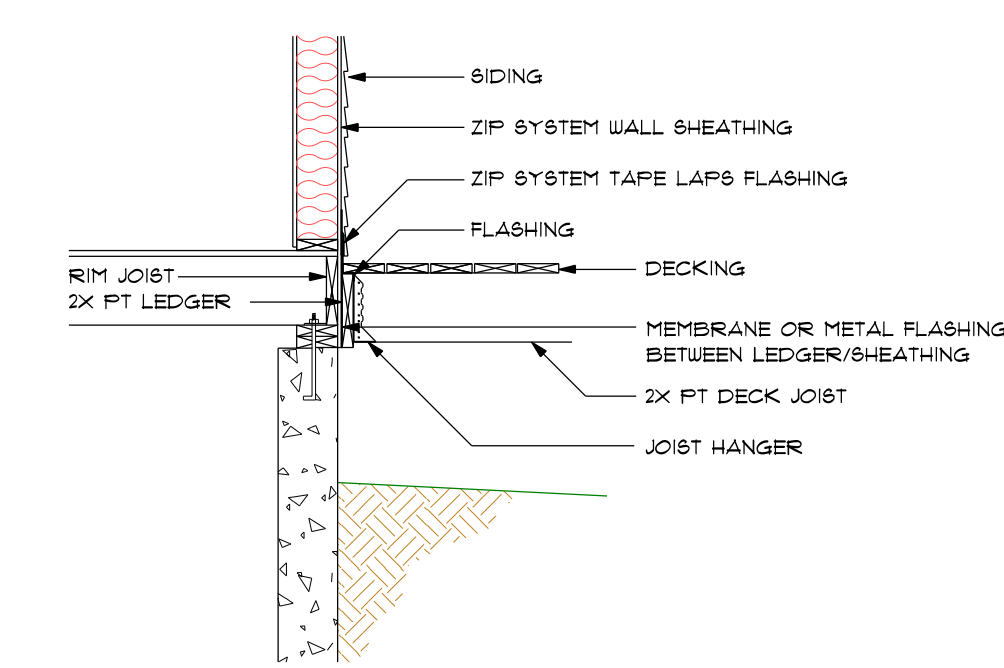
DECK BEAMS SHALL BE ATTACHED TO WOOD POSTS IN ACCORDANCE WITH FIGURES R301.5.1(1) AND R301.5.1(2), OR BY OTHER EQUIVALENT MEANS CAPABLE TO RESIST LATERAL DISPLACEMENT



LATERAL LOAD CONNECTION

THE DECK SHALL BE POSITIVELY ANCHORED TO THE PRIMARY STRUCTURE AND DESIGNED FOR BOTH VERTICAL AND LATERAL LOADS. SUCH ATTACHMENT SHALL NOT BE ACCOMPLISHED BY THE USE OF TOENAILS OR NAILS SUBJECT TO WITHDRAWAL. (SECTION R301.8 AND R301.9)

WHERE THE LATERAL-LOAD CONNECTION IS PERMITTED TO BE INSTALLED PER FIGURE R301.9.2(1), HOLD-DOWN TENSION DEVICES SHALL BE INSTALLED IN NOT LESS THAN TWO LOCATIONS PER DECK, WITHIN 24" OF EACH END OF THE DECK, AND HAVE AN ALLOWABLE STRESS DESIGN CAPACITY NOT LESS THAN 1500 LB. (SECTION R301.9.2)



DECK FLASHING

DESCRIPTION	DATE
DRAFT PLANS - NOT FOR CONSTRUCTION	12/15/25
CONSTRUCTION PLANS	12/19/25

PROJECT INFORMATION