

# TYPICAL DECK & RAILING CONNECTION DETAILS

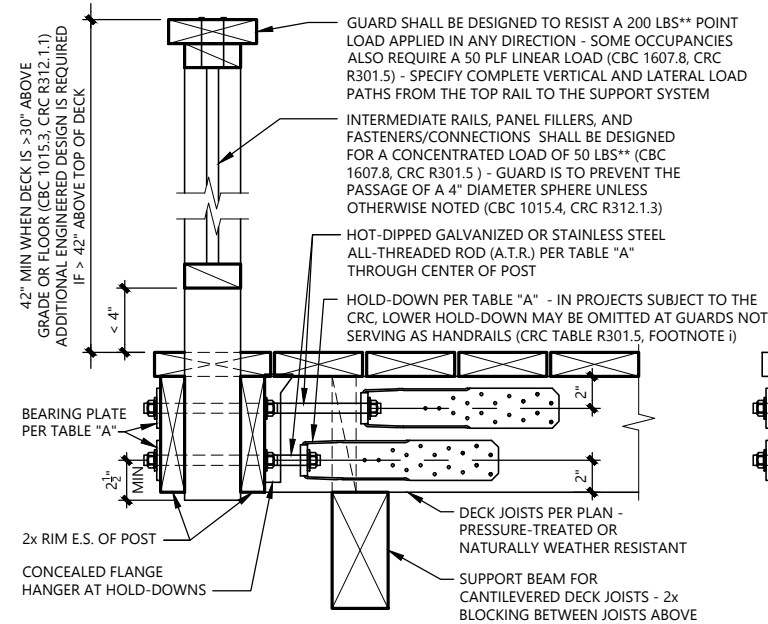


City of  
**SANTA ROSA**  
Planning & Economic  
Development - Building Division

LAST UPDATED: 27 DECEMBER, 2022

THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER THE 2022 CALIFORNIA CODE CYCLE - INFORMATION IS FOR REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT

\*\* POINT LOADS AT GUARDS AND HANDRAILS ARE TO BE DESIGNED WITH A SAFETY FACTOR OF 4 WHEN UTILIZING GLAZING IN THE CONSTRUCTION (CRC R301.5)

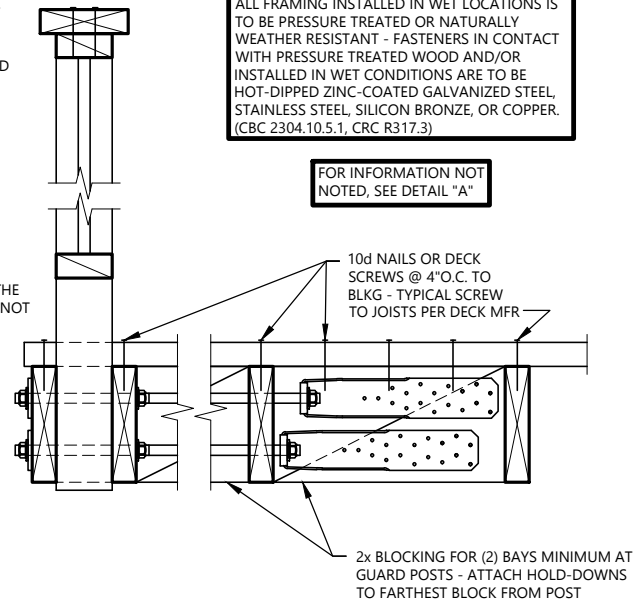


*TABLE "A"	HOLD-DOWN	BEARING PLATE	A.T.R.
AT 2x8 JOISTS MINIMUM	HTT4	BP <sub>8</sub> <sup>5</sup> / <sub>8</sub>	<sup>5</sup> / <sub>8</sub> " $\phi$
AT 2x10 JOISTS MINIMUM	DTT2Z	BP <sub>2</sub> <sup>1</sup> / <sub>2</sub>	<sup>1</sup> / <sub>2</sub> " $\phi$

\* SPECIFIED HOLD-DOWNS ARE BY SIMPSON STRONG-TIE, BUT APPROVED ENGINEERED EQUALS ARE ALSO ACCEPTABLE - HOLD-DOWN VALUES UTILIZED IN CALCULATIONS & TESTING ASSUME THE HOLD-DOWNS ARE TIED TO FRAMING WITH A MINIMUM OF 3" ACTUAL THICKNESS - DOUBLE MEMBERS MUST BE STITCHED AND ALL MEMBERS MUST LEAD TO A COMPLETE LOAD PATH TO THE FOUNDATION - STAIR STRINGER ATTACHMENTS REQUIRE SEPARATE STRUCTURAL CALCULATIONS

ALL FRAMING INSTALLED IN WET LOCATIONS IS TO BE PRESSURE TREATED OR NATURALLY WEATHER RESISTANT - FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD AND/OR INSTALLED IN WET CONDITIONS ARE TO BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. (CBC 2304.10.5.1, CRC R317.3)

FOR INFORMATION NOT NOTED, SEE DETAIL "A"



B

DISCRETIONARY REVIEW IS REQUIRED IN HILLSIDE AREAS (OVER 10% SLOPE), IN SCENIC CORRIDORS, AND IN HISTORICAL AREAS.

IF A DISCRETIONARY REVIEW IS REQUIRED, APPROVAL THROUGH THE PLANNING DIVISION IS REQUIRED PRIOR TO SUBMITTAL FOR BUILDING PLAN REVIEW. A REQUEST MAY BE MADE OF THE CHIEF BUILDING OFFICIAL FOR CONCURRENT SUBMITTAL

FULL-HEIGHT POSTS (TO FOUNDATION) MAY CHANGE TIE-BACK/MOMENT CONNECTION DESIGN - THE EXAMPLE SHOWN IS FOR REFERENCE ONLY, AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT.

ONE AND TWO-FAMILY RESIDENTIAL DECKS MEETING ALL OF THE FOLLOWING CONDITIONS ARE EXEMPT FROM A BUILDING PERMIT (CRC R105):

1. DECK DOES NOT EXCEED 200ft<sup>2</sup> IN AREA
2. DECK IS NOT MORE THAN 30" ABOVE GRADE AT ANY POINT
3. DECK IS NOT ATTACHED TO THE DWELLING
4. DECK DOES NOT SERVE THE MAIN EGRESS DOOR (THE DOOR REQUIRED BY CRC R311.4)

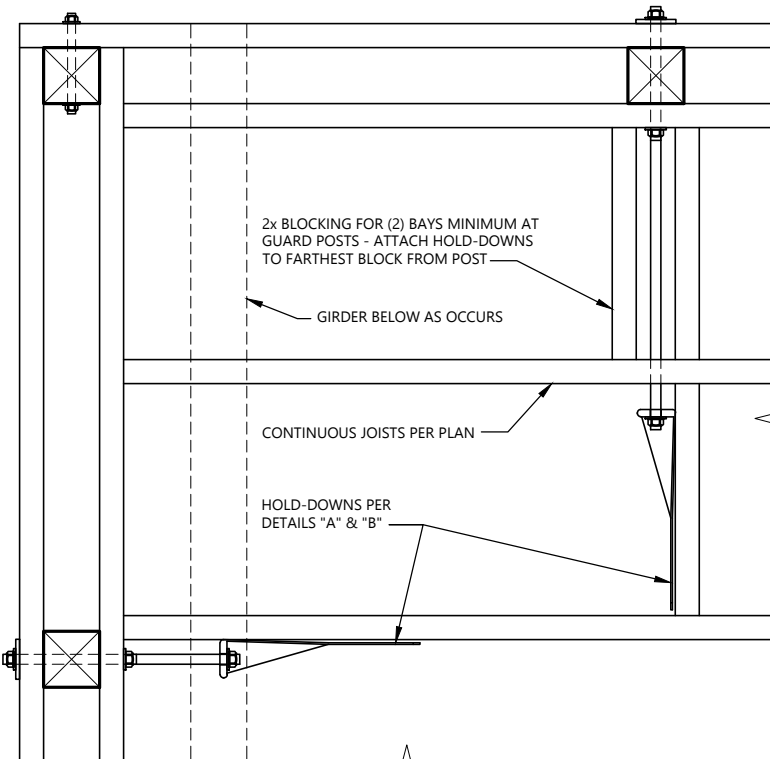
INCLUDE THE FOLLOWING WITH YOUR SUBMITTAL:

- (3) SETS OF PLANS
- (2) SETS OF SUPPLEMENTAL DOCUMENTATION
- (1) COMPLETE BUILDING PERMIT APPLICATION

PLANS SHOULD INCLUDE:

PROJECT ADDRESS  
PROJECT NAME  
SCOPE OF WORK  
OCCUPANCY CLASS  
TYPE OF CONSTRUCTION  
DESIGNER'S NAME AND CONTACT INFORMATION  
DESIGNER'S STAMP & SIGNATURE (AS APPLICABLE)  
OWNER'S NAME & CONTACT INFORMATION  
VICINITY MAP OF PROJECT LOCATION  
SITE PLAN WITH DIMENSIONS TO ALL STRUCTURES ON THE LOT  
ARCHITECTURAL/STRUCTURAL DETAILS  
FOUNDATION & DECK FRAMING PLANS  
ELECTRICAL PLAN (IF SERVING EXTERIOR DOORS OF ADJACENT STRUCTURES)  
CODE COMPLIANCE STATEMENT ADHERING TO THE LATEST CODES (SPECIFY THE SPECIFIC CODE YEAR)  
SHEET INDEX OF DRAWINGS

A



## DECK "GUARD" RAILING

C

PLAN VIEW

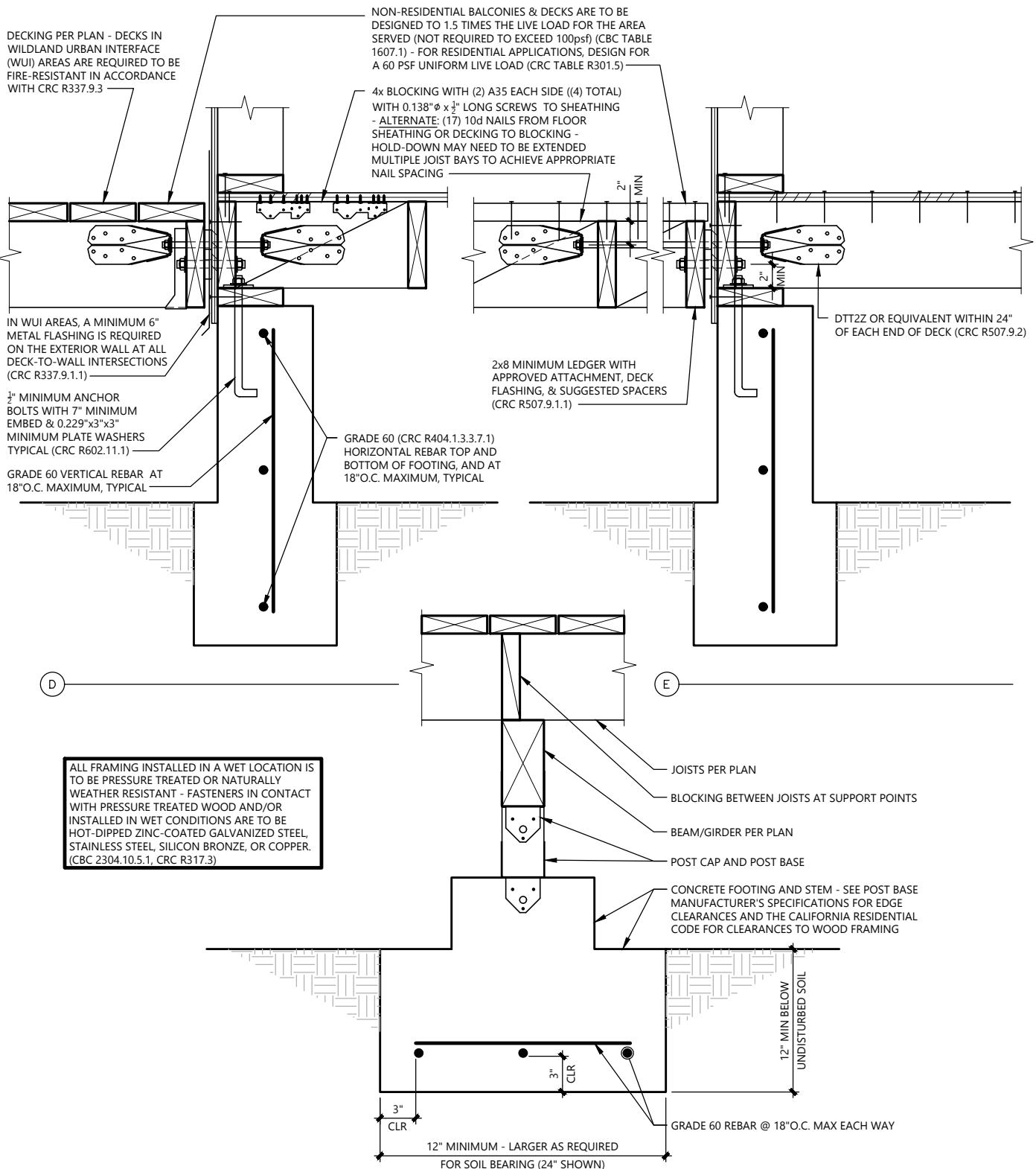
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