

# TYPICAL DECK & RAILING CONNECTION DETAILS

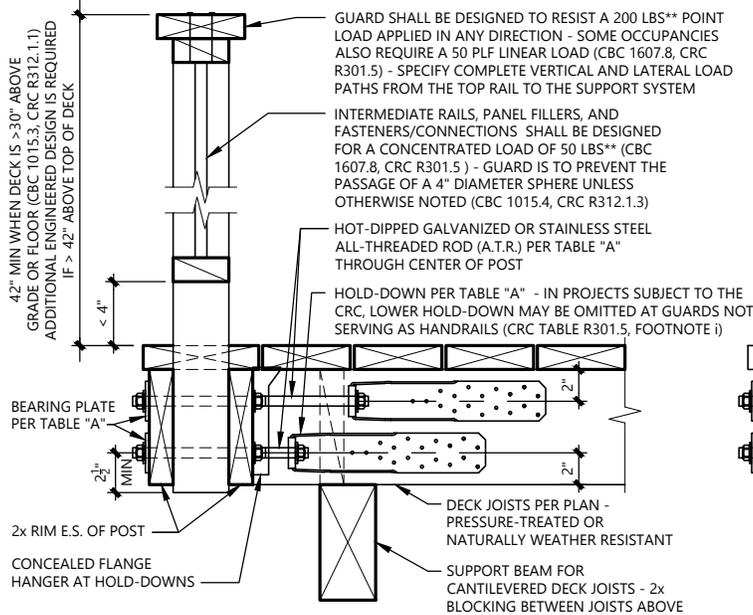


City of  
**SAN PABLO**  
Building Services

LAST UPDATED: 31 AUGUST 2023

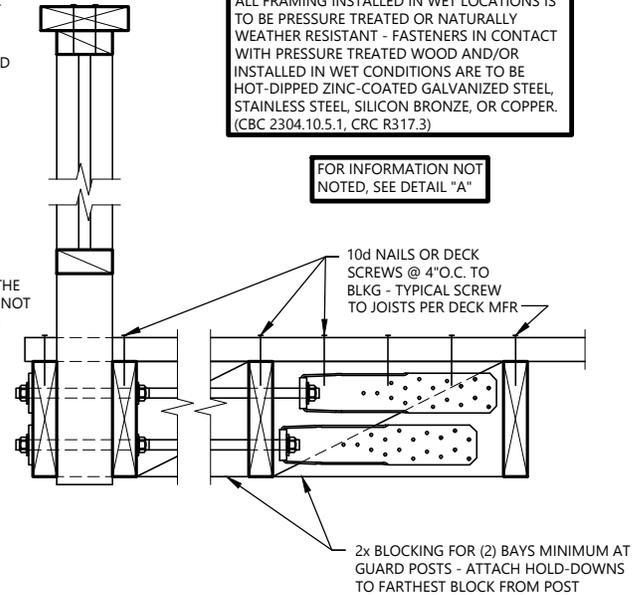
THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER THE 2022 CALIFORNIA CODE CYCLE - INFORMATION IS FOR REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT

\*\* 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)



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"



*TABLE "A"	HOLD-DOWN	BEARING PLATE	A.T.R.
AT 2x8 JOISTS MINIMUM	HTT4	BP <sub>8</sub> <sup>2</sup>	$\frac{5}{8}$ " $\phi$
AT 2x10 JOISTS MINIMUM	DTT2Z	BP <sub>10</sub> <sup>2</sup>	$\frac{3}{4}$ " $\phi$

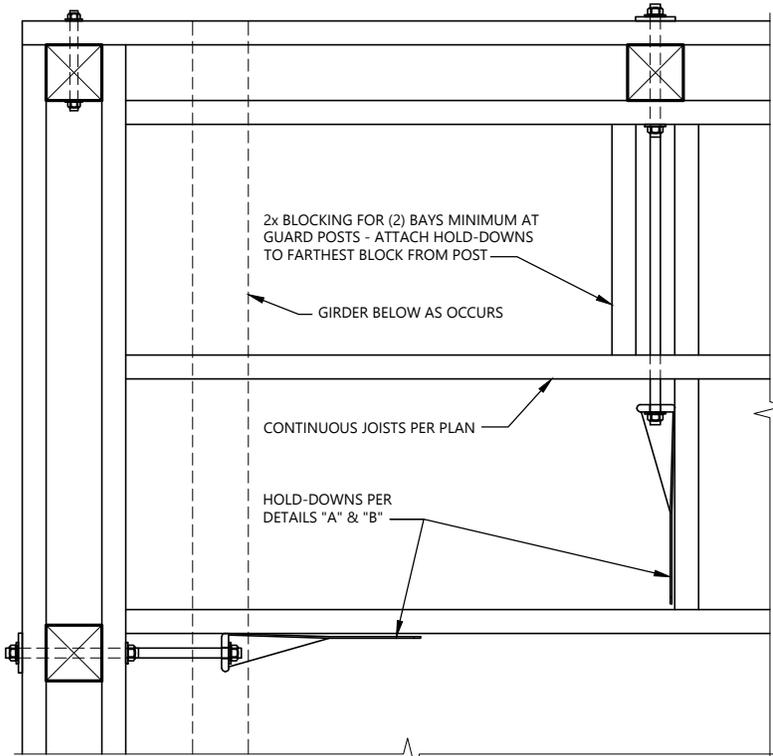
\* SPECIFIED HOLD-DOWNS ARE BY SIMPSON STRONG-TIE, BUT APPROVED ENGINEERED EQUALS ARE ALSO ACCEPTABLE - HOLD-DOWN VALUES UTILIZED IN CALCULATIONS & TESTING ASSUME THE HOLD-DOWNS ARE TIED TO FRAMING WITH A MINIMUM OF 3" ACTUAL THICKNESS - DOUBLE MEMBERS MUST BE STITCHED AND ALL MEMBERS MUST LEAD TO A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

B

A DISCRETIONARY REVIEW MAY BE REQUIRED THROUGH THE PLANNING DIVISION PRIOR TO BUILDING PERMIT APPLICATION 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.

A



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

NOTE: ELECTRONIC SUBMITTALS REQUIRE ONE COPY OF EACH DOCUMENT

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

## DECK "GUARD" RAILING PLAN VIEW

C

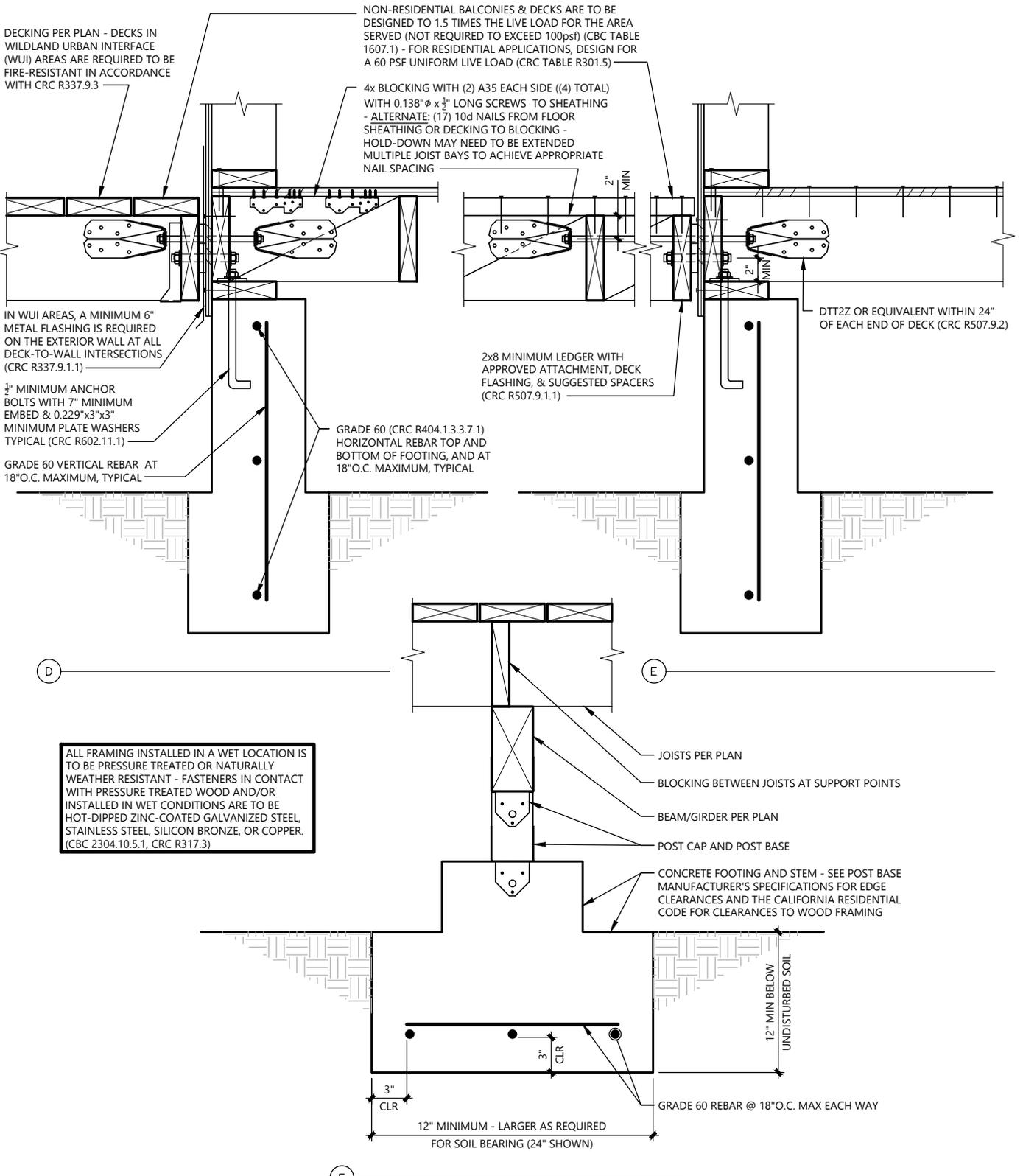
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