RESIDENTIAL STAIRS City of SANTA ROSA Planning & Economic Development - Building Division 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 LAST UPDATED: 13 SEPTEMBER 2023 INTERMEDIATE RAILS, PANEL FILLERS, & CONNECTIONS SHALL BE DESIGNED FOR A 50 LBS LOAD DISTRIBUTED OVER ONE SQUARE FOOT (AT THE MOST CRITICAL LOCATION) - WHERE A GUARD IS REQUIRED WHERE THE ADJACENT FLOOR OR GRADE (AT ANY POINT WITHIN 36" OF THE GUARD) IS > 30" (VERTICAL) BELOW GLAZING IS USED, GUARDS ARE TO BE DESIGNED WITH A FACTOR OF SAFETY OF FOUR DESIGN HANDRAIL & GUARD (CRC R301.5) THE FLOOR LEVEL OF THE FOR 200 LBS POINT LOAD IN ANY DIRECTION - SEE DECK WALKWAY PROTECTED BY THE GUARD OPENINGS ARE TO RISERS, TREADS, & NOSINGS: PROVIDE A 3/4" - 11/4" PREVENT A 4" DIAMETER SPHERE GUARD (CRC R312.1.1) NOSING WHERE THE TREAD IS < 11" - ALL RISERS, TREADS, & NOSINGS MUST BE UNIFORMLY RAILING HANDOUT FOR MORE INFORMATION FROM PASSING THROUGH HANDRAIL TO BE CONTINUOUS (CRC R301.5) (CRC R312.1.3) DIMENSIONED & CONSTRUCTED TO WITHIN 3 TO A POINT DIRECTLY ABOVE (COMPARING MAX & MIN OF SIMILAR ELEMENTS) - NOSINGS ARE TO HAVE A RADIUS OF THE TOP RISER (MINIMUM), AND RETURN TO AN ADJACENT CURVATURE OF $\frac{9}{16}$ " MAXIMUM, OR A BEVEL OF $\frac{1}{2}$ " MAXIMUM (CRC R311.7.5) POST OR WALL (CRC R311.7.8.4) 200 LBS MIN (CRC R312.1.2) 45" (A)10" MINIMUM A HANDRAIL IS REQUIRED AT ONE SIDE OF (CRC R311.7.5.2) EACH FLIGHT OF STAIRS WITH FOUR OR MORE RISERS (CRC R311.7.8) - HANDRAIL IS CRC R311.7.5.1) TO BE 1¹/₄" DIAMETER MINIMUM, 2" DIAMETER MAXIMUM, & 1½" CLEAR MINIMUM FROM THE WALL - SEE CRC R311.7.8.5 FOR OTHER CONFIGURATIONS - HANDRAIL IS TO BE CONTINUOUS FOR THE FULL FLIGHT OF STAIRS (CRC R311.7.8.4) CONNECTION DETAILS MIN CLR HEADROOM (CRC R311.7.7) SLOPE 1:48 MAX AND CALCULATIONS BY A DESIGN PROFESSIONAL (CRC R311.7.2) (CRC R301.1.3) (в) EXTERIOR DECKING IN A WUI AREA & WITHIN 10' OF A BUILDING IS TO COMPLY WITH CRC R337.9.3 (FIRE RESISTANT 3" - 11" NOSING (CRC R311.7.5.3) MATERIALS) (CRC R337.1.3 SRCC 18-22R337.1.3.3) SEE THE CITY OF SANTA ROSA G.I.S.* MAPPING TO OPEN RISERS MORE THAN 30" ABOVE 151" MAXIMUM BETWEEN FLOOR LEVELS OR LANDINGS 34" MIN - 38" MAX THE ADJACENT FLOOR OR GROUND R311.7.8.1, : R312.1.2) DETERMINE IF YOUR SITE SHALL NOT PERMIT THE PASSING OF IS WITHIN A WUI AREA A 4" SPHERE (CRC R311.7.5.1) (EXCEPTION: SPIRAL STAIRCASES) *G.I.S. WEBSITE: https://srcity.org/829/GIS-Maps-Documents CRC CRC WHERE THE SPACE BELOW THE STAIRS IS ENCLOSED, PROVIDE $\frac{1}{2}$ " GYPSUM BOARD CEILNG & WALLS RETURN HANDRAIL (CRC R302.7) TO POST OR WALL -EXTEND AT LEAST TO GUARD OPENINGS FOR RAILINGS AT THE OPEN SIDE OF THE STAIRS SHALL PREVENT A 48" DIAMETER SPHERE FROM PASSING THROUGH -A POINT DIRECTLY ABOVE THE LOWEST DESIGN HANDRAIL & ALL CONNECTIONS FOR 200 LBS THE TRIANGLES FORMED BY THE BASE OF THE RISER (CRC R311.7.8.4) RAIL, THE TREADS, & THE RISERS SHALL PREVENT A 6" DIAMETER SPHERE FROM PASSING THROUGH POINT LOAD IN ANY DIRECTION (CRC R301.5) (CRC R312.1.3) STRINGERS SHOULD BE DESIGNED AND SPECIFIED BY A DESIGN PROFESSIONAL (CRC R301.1.3, CRC R301.5) NATURALLY DURABLE OR PRESSURE TREATED WOOD

WHERE IN CONTACT WITH CONCRETE (CRC R317.1)

PROVIDE CONNECTION DETAILS & CALCULATIONS BY A DESIGN PROFESSIONAL (CRC R301.1.3)

FREE ACCESS TO CALIFORNIA CODES: https://www.dgs.ca.gov/BSC/Codes#@ViewBag.JumpTo

