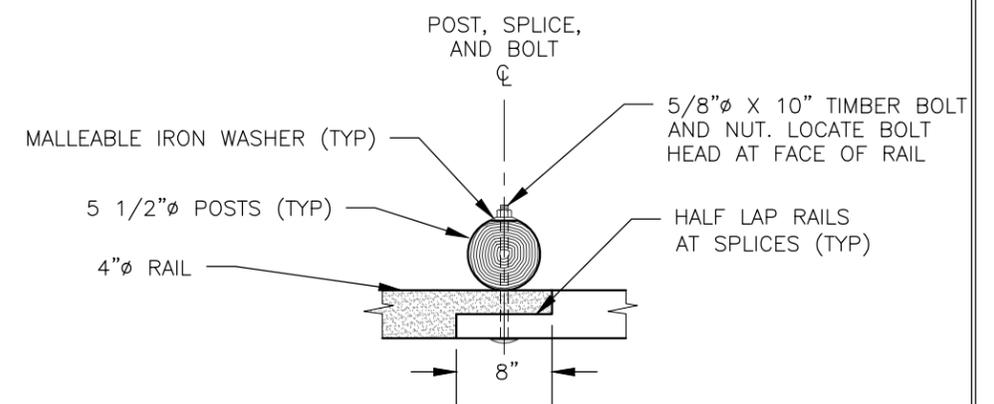
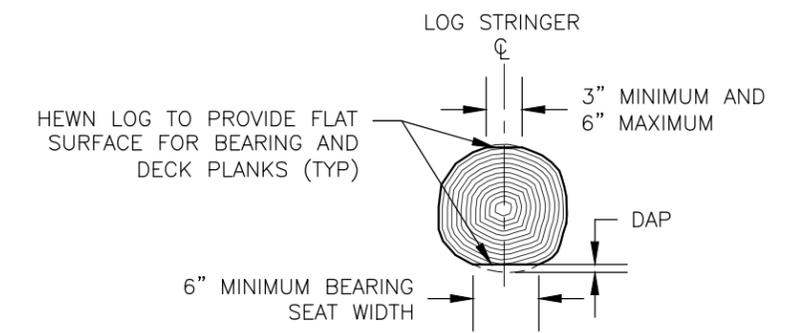


PLAN-SUPERSTRUCTURE

*NAIL PATTERN OFFSET 1 1/2 INCH EACH WAY FROM THE CL OF THE STRINGER
 **NAIL 1 1/2-INCHES FROM EDGES OF BOARD

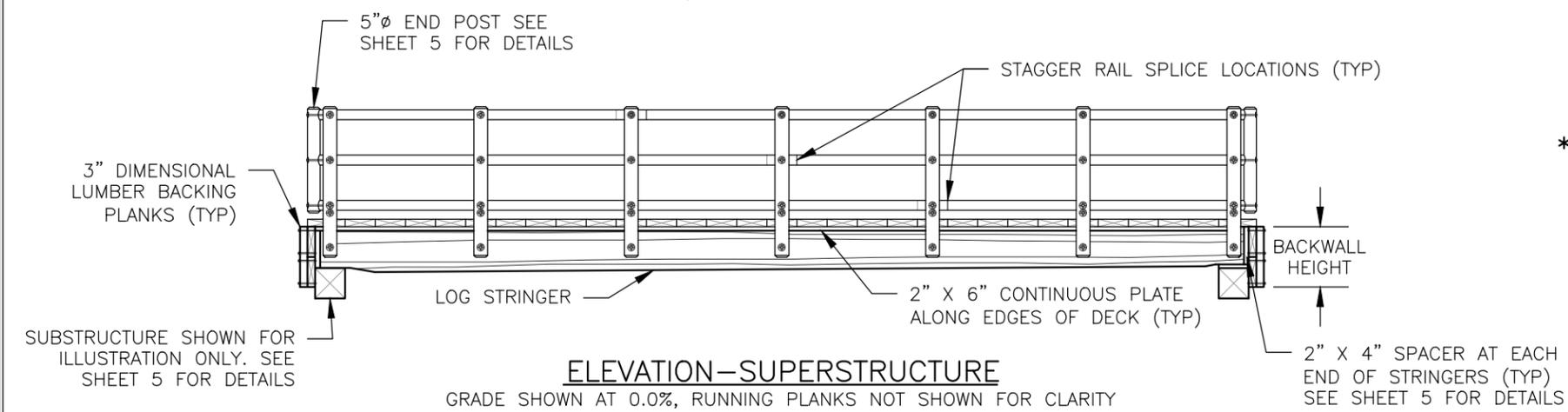


PLAN - POLE RAIL SPLICE DETAIL



LOG STRINGER DAPPING

MAXIMUM DEPTH OF DAP SHALL NOT EXCEED 10% OF LOG DIAMETER OR 2-INCH



ELEVATION-SUPERSTRUCTURE

GRADE SHOWN AT 0.0%, RUNNING PLANKS NOT SHOWN FOR CLARITY

***TABLE-1: ROUND LOG STRINGER PEELED SIZE MID SPAN DIAMETER REQUIREMENTS - LRFD**

**STRINGER SPAN (FEET)	TIMBER SPECIES - SOUTHERN PINE				
	DESIGN LOADING IN POUNDS PER SQUARE FOOT				
	PEDESTRIAN LOAD ***65	90	120	150	200
10	8"	8"	8"	8"	8"
15	9"	9"	9"	9"	10"
20	11"	11"	11"	12"	12"
25	13"	13"	13"	14"	15"
30	15"	16"	15"	16"	17"
35	17"	18"	17"	18"	19"
40	19"	20"	19"	20"	21"
45	21"	22"	21"	22"	23"

*STRINGER SIZE SHALL BE THE LARGER OF THE PEDESTRIAN OR GROUND SHOW LOAD SIZE REQUIRED FOR THE SITE CONDITIONS

**STRINGER LENGTH EQUAL TO STRINGER SPAN PLUS ONE FOOT

***REQUIRES REGIONAL BRIDGE ENGINEER APPROVAL

NOTES:

1. SPLICE RAILS AT POSTS. RAILS SHALL BE CONTINUOUS FOR A MINIMUM OF TWO POST SPACES. ALTERNATE RAIL SPLICES AT POSTS.
2. FASTEN RUNNING PLANKS TO DECK WITH 40d 5-INCH LONG RING SHANK NAILS AT 24-INCH SPACING. ALTERNATE SIDES WITH TWO AT EACH END. SEE PLAN-SUPERSTRUCTURE FOR LAYOUT TYPICAL.
3. THE MINIMUM STRINGER DIAMETER FOR BRIDGES WITH PEDESTRIAN RAILINGS SHALL BE 11-INCHES. BRIDGES WITH STRINGER DIAMETERS LESS THAN 11-INCHES SHALL HAVE CURBS ONLY. SEE SHEET 4 FOR DETAILS.
4. FASTEN DECK PLANKS TO STRINGERS WITH TWO ROWS 5/16-INCH DIAMETER X 7-INCH RING SHANK NAILS PER PLANK AT EACH STRINGER. ALTERNATE SIDES.

U.S. DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME
MULTIPLE LOG STRINGER TRAIL BRIDGE
 SECTION
961 - LOG STRINGER TRAIL BRIDGE
 TYPICAL ID
MLS

REVISION DATE
NOT TO SCALE

DRAWING NO.
STD_961-20-03b
 SHEET
 OF