

STAIR TREAD
TYPICAL DETAILS



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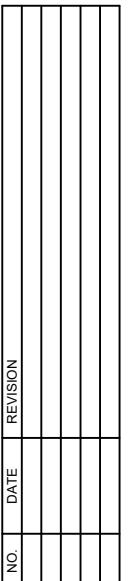
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PRECAST STAIR TREADS



GENERAL NOTES:

BASIS OF DESIGN:

1. LIVE LOAD ON STAIRS:
 - 1.1. 100 PSF, or
 - 1.2. 300 POUND POINT LOAD
2. TREADS LONGER THAN 5'-3" MAY EXCEED DESIGN DEFLECTION UNDER FULL LIVE LOAD.

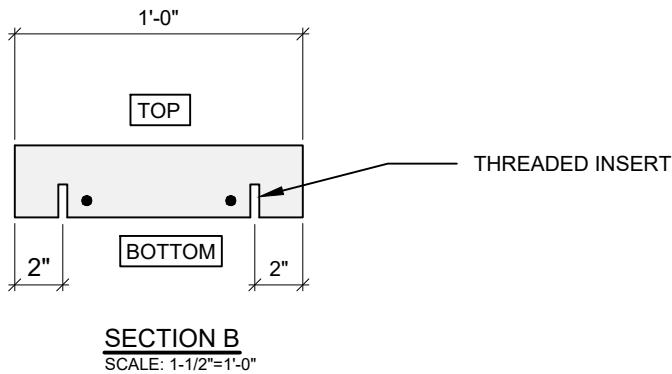
CONCRETE:

1. DESIGN BASED ON ACI 318
2. CONCRETE DESIGN STRENGTH (f'_c) = 5000 psi.
3. CONCRETE HAS STANDARD GRAY COLOR, WHICH MAY VARY.
4. TOP SURFACE SHALL HAVE A BROOM FINISH.

REINFORCING STEEL:

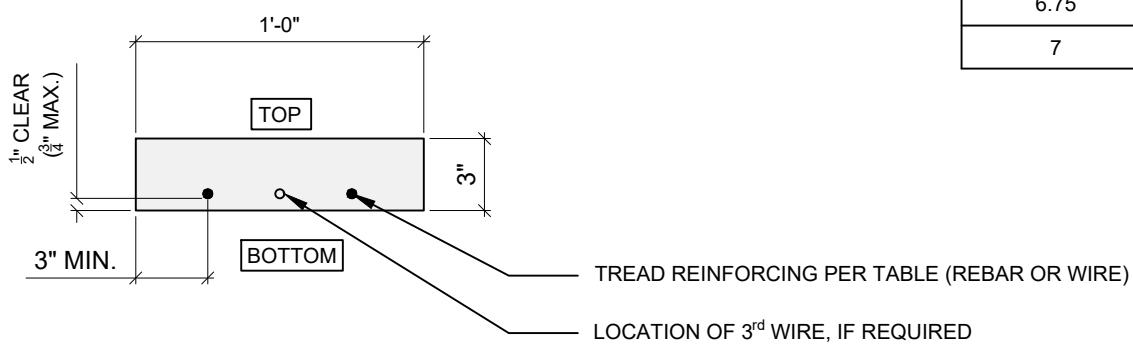
1. #3 REINFORCING BARS SHALL BE DEFORMED GRADE 40 STEEL AND SHALL CONFORM TO ASTM A615.
2. WIRES SHALL HAVE A DESIGN YIELD STRENGTH (F_y) OF 65 ksi.
3. MINIMUM CONCRETE COVER SHALL BE $\frac{1}{2}$ -INCH, AS SHOWN.

TREAD REINFORCING		
TREAD LENGTH (feet)	REBAR OPTION	WIRE MESH OPTION
2.5	(2) #3 BAR	(2) W4.0 WIRES
2.75	(2) #3 BAR	(2) W4.0 WIRES
3	(2) #3 BAR	(2) W4.0 WIRES
3.25	(2) #3 BAR	(2) W4.0 WIRES
3.5	(2) #3 BAR	(2) W4.0 WIRES
3.75	(2) #3 BAR	(2) W4.0 WIRES
4	(2) #3 BAR	(2) W4.0 WIRES
4.25	(2) #3 BAR	(2) W4.0 WIRES
4.5	(2) #3 BAR	(2) W4.0 WIRES
4.75	(2) #3 BAR	(2) W4.0 WIRES
5	(2) #3 BAR	(2) W4.0 WIRES
5.25	(2) #3 BAR	(2) W4.0 WIRES
5.5	(2) #3 BAR	(3) W4.0 WIRES
5.75	(2) #3 BAR	(3) W4.0 WIRES
6	(2) #3 BAR	(3) W4.0 WIRES
6.25	(2) #3 BAR	(3) W4.0 WIRES
6.5	(2) #3 BAR	(3) W4.0 WIRES
6.75	(2) #3 BAR	(3) W4.0 WIRES
7	(2) #3 BAR	NOT APPLICABLE



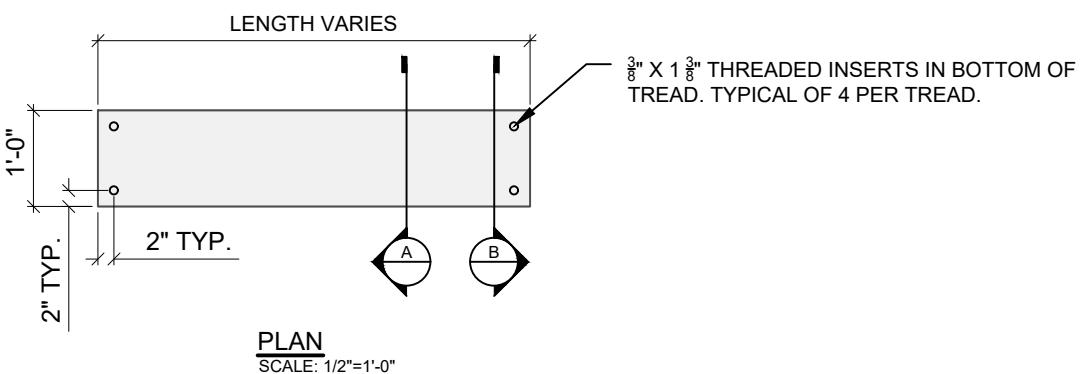
SECTION B

SCALE: 1-1/2"=1'-0"



SECTION A

SCALE: 1-1/2"=1'-0"



PLAN

SCALE: 1/2"=1'-0"

TYPICAL TREADS

ENGINEER: WGT PROJECT NO: 25-2092-0000
PROJECT MGR: WGT ORIGIN DATE: 2025/12/08
REVIEWER: WGT SCALE: AS SHOWN
SHEET: TR-1

DOCUMENT NUMBER: ED-T002.6 TEMPLATE 11x17 BORDER