



# BASIC DECK, STAIR AND RAMP PLANNING AND BUILDING GUIDE



## DIRECTIONS

THE WORCESTER COUNTY DEPARTMENT OF DEVELOPMENT REVIEW AND PERMITTING (DRP) HAS PREPARED THIS GUIDE FOR BASIC SQUARE OR RECTANGULAR DECKS, STAIRS AND RAMPS. YOU MAY USE IT BY FILLING IN THE DECK PLAN SPECIFICATIONS ON SHEET 1 OF THIS SET WITH THE SPECIFICATIONS OF YOUR DECK OR RAMP.

THESE DOCUMENTS ARE NOT APPLICABLE TO THE FOLLOWING:

1. THE DECK IS PART OF A SET OF PLANS FOR A NEW STRUCTURE. (HOUSE, GARAGE, SHED, ETC...)
2. THE DECK HAS A ROOF STRUCTURE,
3. THE DECK IS PART OF A ROOM ADDITION TO AN EXISTING BUILDING.

NOTE: THE WORCESTER COUNTY ZONING DIVISION OF D.R.P. HAS MINIMUM REQUIREMENTS FOR SETBACK DISTANCES. CONSULT THEM BEFORE YOU MAKE ANY DECISIONS ABOUT LOCATING YOUR DECK.

THE WORCESTER COUNTY DEPARTMENT OF ENVIRONMENTAL PROGRAMS ALSO MAY HAVE RESTRICTIONS WHEN LOCATING A DECK. YOU SHOULD ALSO CONSULT WITH THEM AT 410-632-1220

**DURING CONSTRUCTION YOU WILL NEED THE FOLLOWING INSPECTIONS AT A MINIMUM:**

- A. FOOTING INSPECTION - To be requested after the footers are dug and before the concrete is placed.
- B. FRAMING INSPECTION - To be requested after all of the framing members and hardware have been installed, but before the deck boards and railings are installed.
- C. FINAL INSPECTION - To be requested after all construction is finished.

ALWAYS CHECK THE INSPECTION REQUEST FORM, THAT IS INCLUDED IN YOUR BUILDING PERMIT PACKAGE, FOR THE ACTUAL INSPECTIONS THAT WILL BE REQUIRED FOR YOUR PROJECT.

THE PERMIT HOLDER AND / OR THE OWNER IS RESPONSIBLE FOR SCHEDULING INSPECTIONS WITH OUR OFFICE. MISSED INSPECTIONS CAN CAUSE DELAYS IN THE WORK OR CAUSE A STOP WORK ORDER TO BE ISSUED.

## DECK AND RAMP DESIGN

**THESE DESIGN SHEETS ARE GUIDELINES FOR A BASIC, SQUARE OR RECTANGULAR SINGLE LEVEL DECK. IF A SPA, HOT TUB OR OTHER SPECIAL USE IS INTENDED, SEEK THE HELP OF A DESIGN PROFESSIONAL. (Registered Architect or Professional Engineer)**

THESE DESIGN SHEETS ARE BASED ON THE PRESCRIPTIVE REQUIREMENTS OF THE 2021 INTERNATIONAL RESIDENTIAL CODE (2021 I.R.C.) AND THE AMENDMENTS TO THE THIS CODE ADOPTED BY THE WORCESTER COUNTY COMMISSIONERS. IN SOME CASES THESE DOCUMENTS EXCEED THE CODE BASED ON CURRENT "BEST PRACTICES" ENCOURAGED IN WORCESTER COUNTY. THIS DOCUMENT IS NOT INTENDED TO PRECLUDE THE USE OF OTHER APPLICABLE CONSTRUCTION METHODS OR MATERIALS.



**NOTE: IF TYPOGRAPHICAL ERRORS AND / OR ERRONEOUS CODE REFERENCES ARE FOUND WITHIN THE PAGES OF THIS SET OF DOCUMENTS THEN THE TEXT OF THE 2021 INTERNATIONAL RESIDENTIAL CODE AND LOCAL AMENDMENTS SHALL GOVERN.**

## GENERAL REQUIREMENTS

1. THE DECK FRAMING DESIGN IS BASED ON 40 LBS PER SQ FT LIVE LOAD AND 10 LBS PER SQ FT DEAD LOAD.
2. ALL DECK MATERIALS SHALL BE PRESERVATIVE TREATED (P.T.) LUMBER OR COMPOSITE MATERIAL SPECIFICALLY DESIGNED FOR DECKS AND OUTSIDE USE, OR FOR USE IN CONTACT WITH THE GROUND. ALL CUT MATERIALS SHALL HAVE THEIR ENDS TREATED WITH AN APPROVED PRESERVATIVE, SUCH AS COPPER NAPHTHENATE.
3. TO RESIST CORROSION FOR USE WITH PRESERVATIVE TREATED (P.T.) WOOD, THE FOLLOWING IS REQUIRED:
  - BORATE TREATED 2X LUMBER MAY NOT BE USED IN CONTACT WITH THE GROUND.
  - ALL SCREWS, BOLTS, NAILS AND FASTENERS SHALL BE:
    - a) HOT-DIPPED GALVANIZED (HDG)  
IN ACCORDANCE WITH ASTM A-15, B-695, CLASS 55
    - b) STAINLESS STEEL,
    - c) AN APPROVED SPECIAL COATED FASTENER FOR USE WITH ALKALINE COPPER QUAT (ACQ) PRESERVATIVE TREATED LUMBER.
  - WHERE A MATERIAL IS LISTED AS "HDG" IN THIS GUIDE, ANY OF THE ABOVE MENTIONED MATERIALS MAY BE SUBSTITUTED.
4. FLASHING SHALL BE A MINIMUM 19 MIL THICK CORROSION-RESISTANT METAL OR AN APPROVED NON-METALLIC MATERIAL. BRIGHT ALUMINUM FLASHING IS NOT ALLOWED.
5. IF YOU ARE ATTACHING THE DECK TO THE HOUSE, THE HOUSE SHALL HAVE A PRESERVATIVE TREATED, NOMINAL SIZE, WOOD BAND BOARD ALONG THE ENTIRE LENGTH OF THE ATTACHMENT AREA. PLYWOOD IS NOT ACCEPTABLE.
6. WHERE THRU BOLTS ARE TO BE USED, COMPATIBLE SIZED WASHERS AND NUTS ARE ASSUMED TO BE PART OF THE ASSEMBLY.
7. DO NOT ATTACH THE LEDGER BOARD TO BRICK VENEER.
8. DO NOT CONSTRUCT FOOTINGS OVER UTILITY LINES. CALL MISS UTILITY AT 811 BEFORE YOU START!
9. DO NOT CONSTRUCT THE FOOTINGS OVER A SEPTIC FIELD. SEEK ADVICE FROM THE WORCESTER COUNTY DEPARTMENT OF ENVIRONMENTAL PROGRAMS.
10. DO NOT ATTACH A DECK OR PORCH TO A TRAILER OR MOBILE OR MANUFACTURED HOME. A FREESTANDING DECK IS REQUIRED.
11. WORCESTER COUNTY DOES NOT PERMIT "ON-GRADE DECK BLOCKS" TO BE USED. THESE ARE THE TAPERED SHAPED PRE-CAST CONCRETE AND HEAVY PLASTIC BLOCKS OR "PUCKS" INTENDED TO BE SET ON THE TOP OF THE SOIL. THEY HAVE SLOTS AND RECESSES IN THEM FOR WOOD MEMBERS TO BE PLACED.
12. IF YOUR NEW DECK IS EITHER FREESTANDING OR ATTACHED TO YOUR HOUSE AND THE DECK EXTENDS INTO A F.E.M.A. FLOOD HAZARD ZONE THEN, THE DECK AND THE HOUSE WILL BE CONSIDERED TO BE WITHIN THE FLOOD HAZARD ZONE. ADDITIONAL INFORMATION AND DOCUMENTATION WILL BE REQUIRED.

## HOW TO USE THIS GUIDE

1. ACCURATELY SKETCH YOUR DECK, STAIRS AND / OR RAMP ON THE PROVIDED GRID LOCATED ON SHEET 1
2. AFTER SKETCHING BEGIN TO WORK YOUR WAY DOWN THROUGH THE LIST OF DECK PLAN SPECIFICATIONS LISTED ON PAGE 1. (SOME EXAMPLE ANSWERS ARE LISTED FOR YOU)
3. THE LIST STARTS WITH OVERALL DIMENSIONS AND THEN STARTING FROM THE GROUND MOVING UP THROUGH THE CONSTRUCTION YOU WILL PROVIDE THE INFORMATION REQUESTED. PAGES 2 THRU 4 ARE ALSO LAID OUT SHOWING THE INFORMATION FROM THE GROUND UP IN ORDER STARTING ON THE TOP LEFT OF EACH SHEET.
4. SOME OF THE LINES ASK FOR YOU TO CIRCLE ONE OF THE SELECTIONS. EACH OF THESE LINES HAS A REFERENCE AS TO WHICH PAGE YOU CAN FIND THE DETAIL YOU WISH TO SELECT.
5. TO MAKE IT EASY, WE HAVE PROVIDED TYPICAL CROSS-SECTION SKETCHES OF VARIOUS CONNECTIONS ON SHEETS 2 THRU 4. YOU WILL NOT HAVE TO PROVIDE ANY ADDITIONAL DRAWINGS. IF YOU ARE NOT FAMILIAR WITH CONSTRUCTION, GATHER YOUR MATERIALS REQUIRED FOR THE BUILDING PERMIT APPLICATION SUBMITTAL AND CALL TO MAKE AN APPOINTMENT TO MEET WITH A PLANS EXAMINER TO GO OVER THE PARTS THAT YOU DO NOT UNDERSTAND.
6. ONCE YOU HAVE COMPLETED YOUR SKETCH AND ANSWERED ALL OF THE QUESTIONS ON SHEET 1, YOU WILL THEN NEED TO SUBMIT, WITH YOUR BUILDING PERMIT APPLICATION, 1 COMPLETED SET OF THIS DRAWING PACKAGE INCLUDING THE COVER SHEET AND SHEETS 1 THROUGH 4 PLUS 2 ADDITIONAL COPIES OF SHEET 1. DO NOT MAKE ANY OF THE COPIES SMALLER THAN 11" x 17" AS THEY WILL BE TOO SMALL TO READ AND WILL BE REJECTED.
7. YOU WILL NEED TO SUBMIT A CURRENT SITE SURVEY OF YOUR PROPERTY WITH YOUR BUILDING PERMIT APPLICATION. YOUR SITE SURVEY IS REQUIRED TO SHOW THE PROPERTY SIZE, SETBACK LINE INFORMATION WITH DIMENSIONS, DRIVEWAYS, HOUSE AND OTHER STRUCTURES ON YOUR PROPERTY. THE NEW PLANNED WORK WILL NEED TO ACCURATELY BE ADDED TO YOUR SITE SURVEY.
8. A PROPOSED SURVEY MAY BE REQUIRED WITH YOUR SUBMITTAL; AN AS-BUILT SURVEY MAY BE REQUIRED FOR YOUR FINAL INSPECTION.

**NOTE:**  
If you are using PVC, composite or metal materials and / or assemblies, you are to provide an ICC-ESR Report or equal for the system being used. The report should be available from the supplier or manufacturer. Include a copy of this report with the building permit submission or provide a copy to the building inspector at the framing inspection. The proposed system must be installed and mounted per the requirements of the ICC-ESR report including all necessary hardware and blocking.

## LIST OF DRAWINGS IN THIS DECK GUIDE:

Cover Sheet - INSTRUCTIONS  
Sheet 1 - DECK SPECIFICATIONS  
Sheet 2 - MEMBER SIZING  
Sheet 3 - CONNECTIONS  
Sheet 4 - STAIRS AND RAMPS

## STANDARD ABBREVIATIONS

HDG - HOT DIPPED GALVANIZED (IN ACCORDANCE WITH ASTM A-153 OR B695, CLASS 55)  
O.C. - ON CENTER  
P.T. - PRESERVATIVE TREATED

ISSUED DATE: 10-08-2025

# INSTRUCTIONS

REVISION	DATE	COVER SHEET

**SIDE VIEW**

**TYPICAL PLAN VIEW (BIRDS EYE VIEW)**

**PROPOSED PLAN VIEW (BIRDS EYE VIEW)**

PLEASE NOTE THE SCALE: \_\_\_\_\_ block(s) = 1'-0"

IN THE PROVIDED GRID, SKETCH YOUR DECK (PLAN VIEW) IN RELATIONSHIP TO YOUR HOUSE. SHOW HOW MANY FOOTINGS ARE REQUIRED AND THEIR APPROXIMATE LOCATION. INCLUDE POSTS, FRAMING, STAIRS, RAILINGS AND RAMPS. REFERENCE THE DECK DRAWINGS ON THIS SHEET AND ON SHEET 2 AND DRAW YOUR DECK TO LOOK LIKE THEM AS MUCH AS POSSIBLE. RAMP INFORMATION CAN BE FOUND ON SHEET 4

**TYPICAL FRONT VIEW**

THE HEIGHT IS MEASURED 3'-0" BEYOND THE EDGE OF THE WALKING SURFACE

IF THIS DIMENSION IS 30" OR GREATER GUARDS (RAILINGS) ARE REQUIRED

3'-0" WALKING SURFACE

FINISHED GRADE

HOW THE HEIGHT OF A WALKING SURFACE IS DETERMINED

**DECK PLAN SPECIFICATIONS**

**OVERALL DIMENSIONS**

LENGTH \_\_\_\_\_ FT

WIDTH \_\_\_\_\_ FT

HEIGHT ABOVE GRADE \_\_\_\_\_ FT (not to exceed 14 FT.) (see walking surface measurement detail on this sheet)

FREE STANDING \_\_\_\_\_ YES OR NO (minimum of 2 beams required)

CANTILEVERS \_\_\_\_\_ BEAMS \_\_\_\_\_ INCHES (0 means there is none) (See sheet 2)

JOISTS \_\_\_\_\_ INCHES

**FOOTINGS** (see typical footing details on sheet 2)

STANDARD FOOTING SIZE 24" x 24" x 12" MINIMUM

FOR DECKS LESS 25 SQ. FT. OR LESS WITHOUT A ROOF AND STAIRS THE FOOTINGS MAY BE 12" x 12" x 12" MINIMUM.

FOOTING DEPTH 18 INCHES MINIMUM TO BOTTOM (Measured from finished grade)

NUMBER OF FOOTINGS \_\_\_\_\_ TOTAL (Including footings for stairs)

**TREATED DECK POSTS** (see typical post details on sheet 2)

DECK POST SIZE \_\_\_\_\_ x \_\_\_\_\_ INCHES

DECK POST SPACING \_\_\_\_\_ FEET / INCHES ON CENTER (Center to Center)

DECK POST BASE / FOOTING CONNECTION A B C (Circle one based on detail sheet 2)

**TREATED BEAMS** (See typical beam details on sheet 2)

TR. BEAM SIZE (\_\_\_\_\_) 2x \_\_\_\_\_

TR. BEAM SPAN \_\_\_\_\_ FEET / INCHES

DECK POST / BEAM CONNECTION 1 2 (Circle one based on detail sheet 2)

**TREATED JOISTS**

TR. JOIST SIZE 2 X \_\_\_\_\_ (See sheet 2)

TR. JOIST SPACING \_\_\_\_\_ INCHES ON CENTER (verify joist spacing with composite decking manufacturers requirements)

JOIST END CONDITION ADJACENT TO HOUSE A B C (Circle one based on detail sheet 3)

JOIST END AWAY FROM THE HOUSE 1 2 3 (Circle one based on detail sheet 4)

**LATERAL BRACING** FOR LATERAL BRACING ATTACHMENT DETAILS (See sheet 3)

**DECKING BOARDS**

TYPE OF DECK BOARDS - (Circle one) TREATED WOOD COMPOSITE (verify joist spacing with composite decking manufacturers requirements)

**Ledgers**

IS A LEDGER REQUIRED? (See sheet 3) (Circle one) YES NO

**GUARDS (Railings)**

If you are using PVC, composite or metal guard assemblies provide a copy of the ICC-ES Report or equal for the guard system being used. It should be available from the supplier or manufacturer. Include a copy of this report with the building permit submission.

The system must be installed and mounted per the ICC-ESR report including all necessary hardware and blocking.

TYPE OF GUARDS - (Circle one) TR. WOOD PVC COMPOSITE METAL

GUARD POST MATERIAL - (Circle one) TR. WOOD PVC COMPOSITE METAL

TR. WOOD GUARD POST ATTACHMENT - (Circle one) OUTSIDE RIM BOARD INSIDE RIM BOARD TO DECK SUPPORT POST

POST OUTSIDE RIM BOARD ATTACHMENT DETAILS (See sheet 3)

POST INSIDE RIM BOARD ATTACHMENT DETAILS (See sheet 3)

**STAIR STRINGER TYPES**

STAIR STRINGER TYPE - (Circle one based on detail sheet 4) CUT STRINGER SOLID STRINGER

ISSUED DATE 10-08-2025

Worcester County Department of Development Review and Permitting  
Building Division  
1 West Market Street, Room 1201  
Snow Hill, Maryland 21863 Telephone: 410-632-1200  
Website: <https://www.co.worcester.md.us/departments/drp>

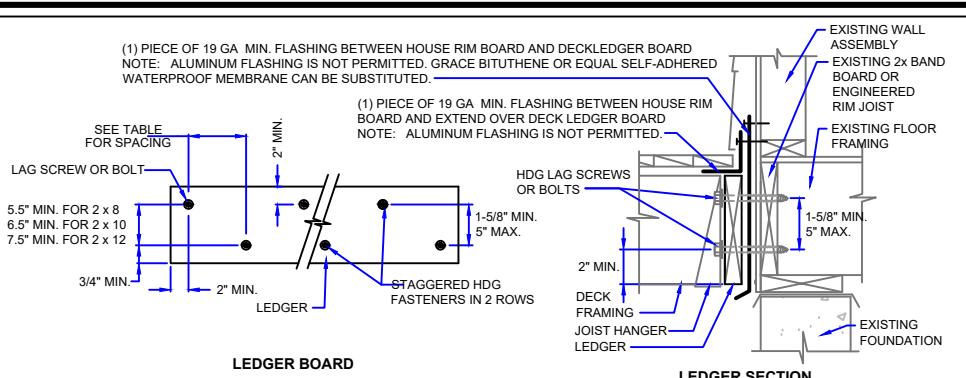
**BASIC DECK, STAIR AND RAMP PLANNING AND BUILDING GUIDE**

TITLE: **DECK SPECIFICATIONS**

REVISION \_\_\_\_\_ DATE \_\_\_\_\_

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### LEDGER BOARD CONNECTION TO HOUSE

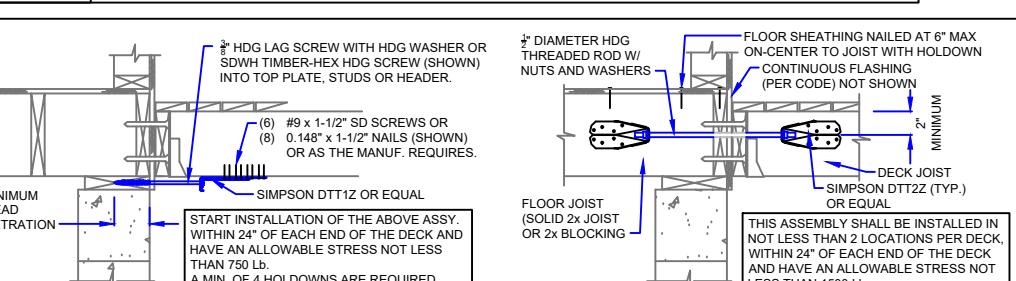
#### ON-CENTER SPACING FOR FASTENERS ATTACHING DECK TO HOUSE

JOIST SPAN (ft)	6' and less	6'-1"	8'-1"	10'-1"	12'-1"	14'-1"	16'-1"	18'-0"
1/2" DIA. LAG SCREW WITH 1/2" MAXIMUM SHEATHING d, e	30"	23"	18"	15"	13"	11"	10"	
1/2" DIA. BOLT WITH 1/2" MAXIMUM SHEATHING e	36"	36"	34"	29"	24"	21"	19"	
1/2" DIA. BOLT WITH 1" MAXIMUM SHEATHING f	36"	36"	29"	24"	21"	18"	16"	

- a. INTERPOLATION PERMITTED. EXTRAPOLATION IS NOT PERMITTED.
- b. LEDGERS SHALL BE FLASHED TO PREVENT WATER FROM CONTACTING THE HOUSE BAND JOIST.
- c. DEAD LOAD = 10 psf. SNOW LOAD SHALL NOT BE ASSUMED TO ACT CONCURRENTLY WITH LIVE LOAD.
- d. THE TIP OF THE LAG SCREW SHALL FULLY EXTEND BEYOND THE INSIDE FACE OF THE BAND JOIST.
- e. SHEATHING SHALL BE WOOD STRUCTURAL PANEL OR SAWN LUMBER.
- f. SHEATHING SHALL BE PERMITTED TO BE WOOD STRUCTURAL PANEL, GYPSUM BOARD, FIBERBOARD, LUMBER OR FOAM SHEATHING. UP TO 1/2" THICKNESS OF STACKED WASHERS SHALL BE PERMITTED TO SUBSTITUTE FOR UP TO 1/2" OF ALLOWABLE SHEATHING THICKNESS WHERE COMBINED WITH WOOD STRUCTURAL PANEL OR LUMBER SHEATHING.

1. DECK LEDGERS SHALL BE 2x PRESERVATIVE TREATED SOUTHERN PINE (MINIMUM) OR OTHER APPROVED METHOD AND MATERIAL AS ESTABLISHED BY STANDARD ENGINEERING PRACTICE.
2. ALL HARDWARE AND FASTENERS ARE TO BE HOT DIPPED GALVANIZED (HDG) OR COATED FOR USE WITH TREATED LUMBER TO PREVENT CORROSION.

### LEDGERS



#### DECK LATERAL CONNECTION WITH HOUSE FLOOR JOISTS PERPENDICULAR TO THE RIM BOARD

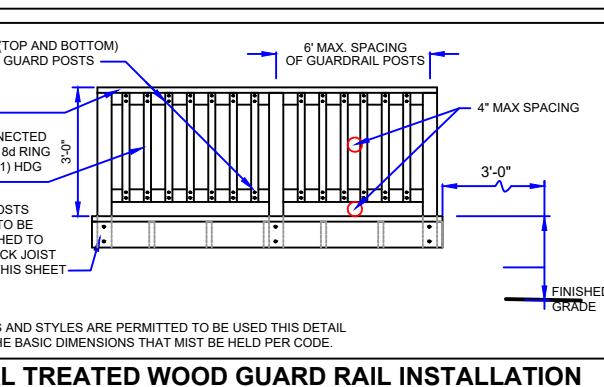
(PER 2021 IRC SECTION R507.9.2)

#### GUARD POST ATTACHMENT

#### CONNECTIONS FOR GUARDS MOUNTED TO SUPPORT POSTS ISOMETRIC VIEWS - EXPLODED

#### GUARD POST ATTACHMENT

(PER 2021 IRC SECTION R507.9.2)



#### TYPICAL TREATED WOOD GUARD RAIL INSTALLATION

DATE ISSUED 10-08-2025

## STAIRS AND RAMPS

### STAIR RISERS

1. THE MAXIMUM RISER HEIGHT IS 7-3/4". THE MAXIMUM VARIATION BETWEEN THE TALLEST AND SHORTEST RISER IS 3/8".
2. OPEN RISERS ARE ALLOWED AS LONG AS THE OPENINGS DO NOT EXCEED 4 INCHES.

### STAIR TREADS

1. THE MINIMUM TREAD WIDTH IS 10". THE MAXIMUM VARIATION IN TREAD WIDTHS BETWEEN THE WIDEST AND NARROWEST IS 3/8 INCHES.
2. THE TREAD NOISING SHALL PROJECT AT LEAST 3/4 INCH AND NOT MORE THAN 1-1/4 INCH BEYOND ANY SOLID RISER.

### STRINGERS

1. ALL STRINGERS SHALL BE A MINIMUM OF 2x12 P.T. MATERIAL.
2. IF THE STRINGER IS FABRICATED BY CUTTING NOTCHES FOR THE RISERS AND TREADS, THREE STRINGERS SHALL BE PROVIDED FOR A 36" WIDE STAIR.
- NOTE: DO NOT CUT NOTCHES.
- IF THE STRINGER IS FABRICATED FROM UNCUT 2x12, TWO STRINGERS ARE REQUIRED FOR A 36" WIDE STAIR.
3. STRINGERS SHALL NOT SPAN MORE THAN THE DIMENSIONS SHOWN, OTHERWISE, AN INTERMEDIATE POST IS REQUIRED. THE POST SHALL BE SUPPORTED ON A CONCRETE FOOTING AT LEAST 12" DEEP. THE STRINGER SHALL BE ATTACHED TO A P.T. 2 x 8 BEAM BETWEEN POSTS WITH HDG TIE DOWN STRAPPING.

### GUARDRAILS (FREQUENTLY REFERRED TO AS "GUARDS")

1. GUARDRAILS ARE AN ASSEMBLY COMPRISED OF THE FOLLOWING COMPONENTS:
  - A GUARDRAIL CAP, TYPICALLY A 2x6 OR 5/4 BOARD LAID FLAT
  - TOP AND BOTTOM RAILS TO WHICH THE PICKETS ARE ATTACHED,
  - (GUARD) POSTS, AND
  - PICKETS.
2. GUARDRAILS ARE REQUIRED WHERE THE DISTANCE FROM THE WALKING SURFACE TO GRADE IS MORE THAN 30" MEASURED OUT 36" FROM THE FACE OF THE DECK.
3. THE TOP OF THE GUARDRAIL CAP, WHEN USED AS A HANDRAIL, MUST BE BETWEEN 34" AND 38" WHEN MEASURED FROM THE NOISING OF THE TREAD.
4. THE BOTTOM RAIL MUST BE LOCATED SO THAT A 4-3/8" SPHERE CANNOT PASS BETWEEN THE TRIANGLE FORMED BY THE RISER, TREAD AND BOTTOM RAIL.
5. THE GUARDS SHALL BE ABLE TO WITHSTAND A LOADING OF 200# IN ANY DIRECTION.

### HANDRAILS (NOT TO BE CONFUSED WITH GUARDRAILS)

1. A HANDRAIL (TYPE 1 OR TYPE 2 PROFILE) IS REQUIRED ON AT LEAST ONE SIDE OF THE STAIR WHEN THERE ARE MORE THAN THREE RISERS.
2. THE HANDRAIL SHOULD BE MOUNTED BETWEEN 34" AND 38" ABOVE THE NOISING OF THE TREAD.
3. HANDRAILS HAVE TO "RETURN" TO THE POST OR WALL.

### FOOTINGS

1. THE POST AT THE BOTTOM OF THE STRINGER MUST BE SET ON A CONCRETE FOOTING. (See sheet 2)

### CONNECTIONS

1. THE BOTTOM OF P.T. STRINGERS SHALL BE ATTACHED TO EACH P.T. POST WITH (2) 1/2" DIA. HDG THRU BOLTS.
2. THE TOP OF P.T. STRINGERS SHALL BE ATTACHED WITH HDG MECHANICAL FASTENERS AND HDG THRU BOLTS TO EITHER:
  - A P.T. POST EMBEDDED IN THE GROUND ON A FOOTING (PREFERRED),
  - A SAW CUT POST,
  - A RIM BOARD WITH MECHANICAL FASTENERS (BUT END NAILING IS PROHIBITED).
  - OR DECK JOIST.

### STAIR LANDINGS

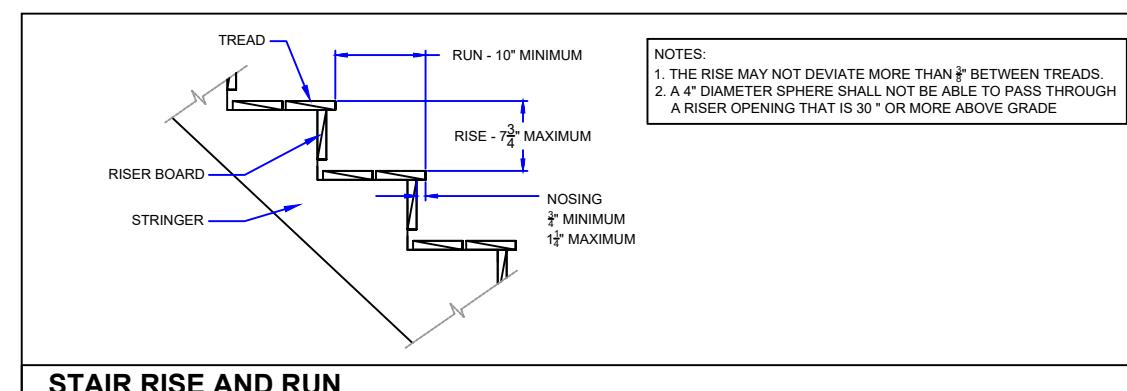
1. WHEN A STAIRWAY EXCEEDS A VERTICAL HEIGHT OF 12", AN INTERMEDIATE LANDING SHALL BE PROVIDED.
2. LANDINGS SHALL BE AS WIDE AS THE STAIR WIDTH IT SERVICES (TYPICALLY 36").

### STABILIZED SURFACE AT BASE OF EXTERIOR STAIRS OR RAMPS

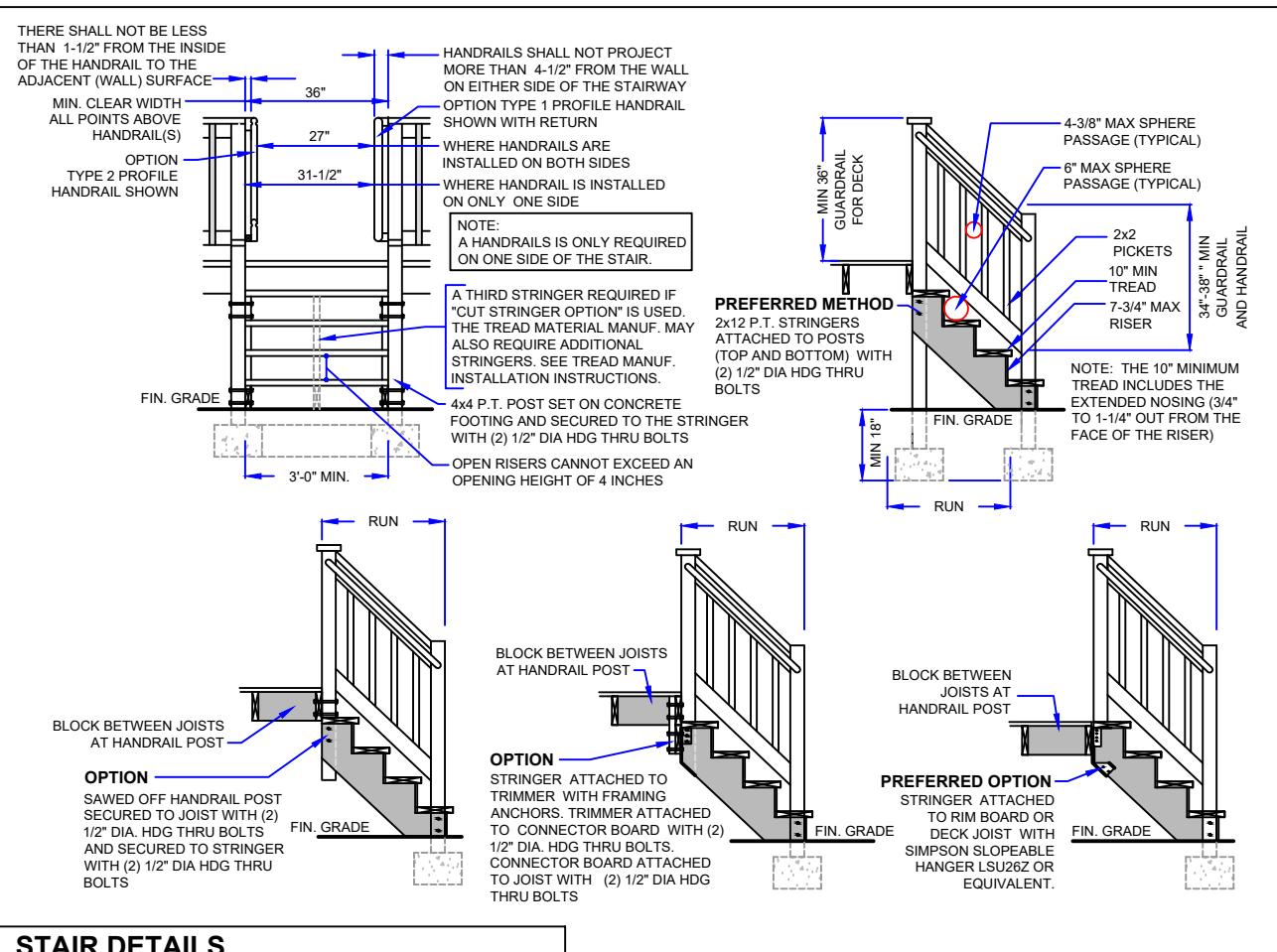
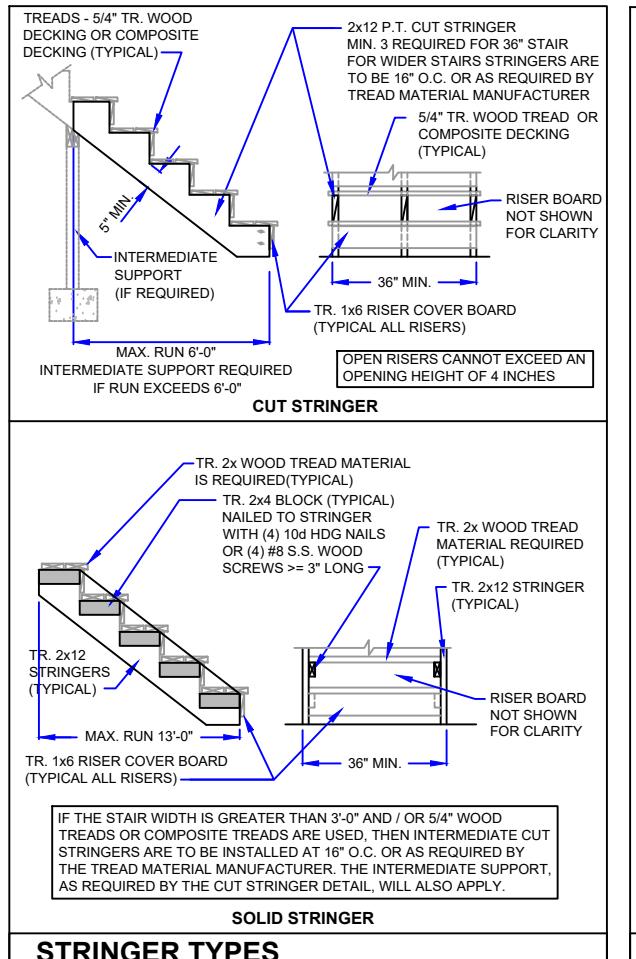
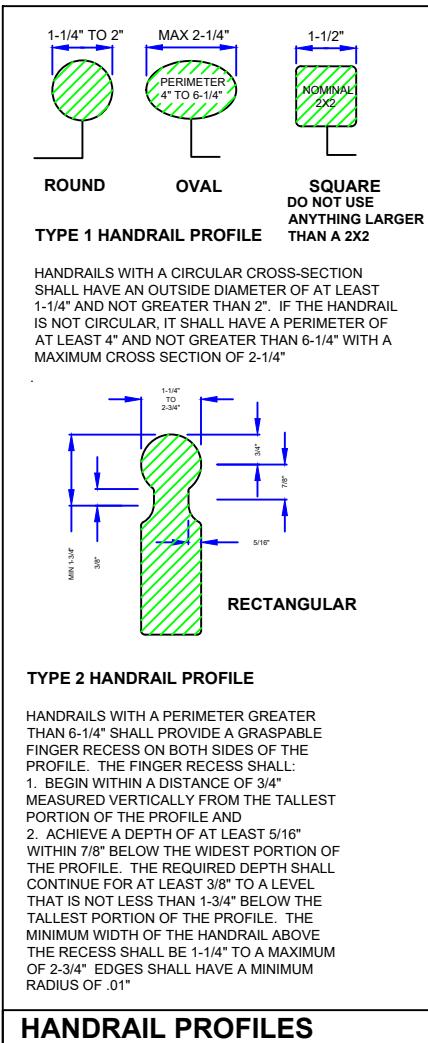
1. WHEN A STAIR OR RAMP EXITS ONTO AN EXTERIOR SURFACE, THAT IS NOT A SIDEWALK, A STABILIZED SURFACE IS REQUIRED TO BE INSTALLED.
2. THE TOP OF THE SURFACE IS TO BE LEVEL AND AT THE SAME ELEVATION AS THE FINISHED GRADE.
3. THE SURFACE CAN BE MADE FROM CONCRETE, COMPACTED STONE OR PAVER BLOCKS / STONES .
4. THE SURFACE SHALL BE AS WIDE AS THE STAIR / RAMP WIDTH IT SERVICES AND EXTEND A MINIMUM OF 36" OUT FROM THE BOTTOM RISER OR BASE OF THE RAMP SLOPE.

### RAMPS

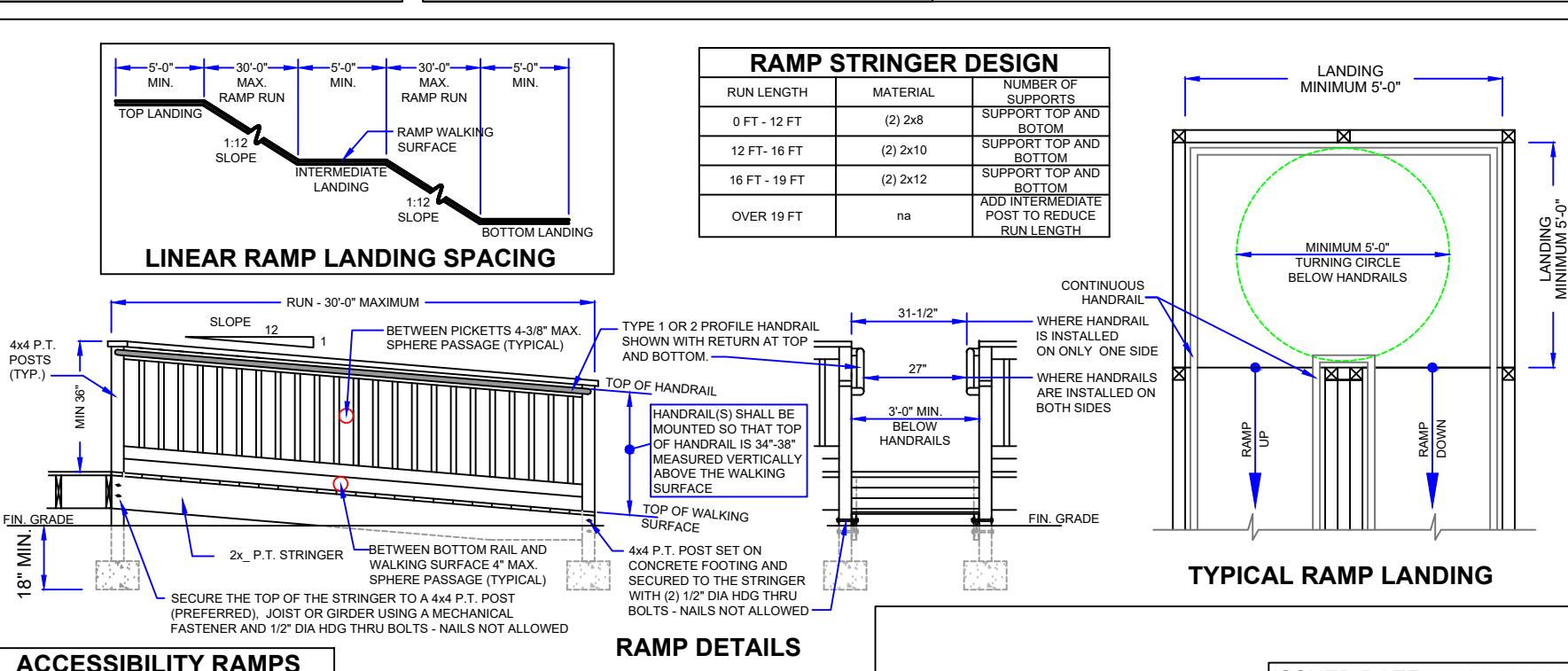
1. RAMPS MAY BE STRAIGHT RUNS OR "L" OR "U" SHAPED.
2. RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1:12 (THAT MEANS FOR EVERY INCH IN HEIGHT THE RAMP HAS TO CLIMB, IT SHALL BE ONE FOOT LONG). WHERE IT IS TECHNICALLY INFEASIBLE BECAUSE OF SITE CONSTRAINTS THE MAXIMUM SLOPE MAY BE 1:8
3. WHERE RAMPS CHANGE DIRECTIONS, A LEVEL LANDING THE WIDTH OF THE RAMP IS REQUIRED.
4. HANDRAILS ARE REQUIRED ON AT LEAST ONE SIDE OF RAMP, AND MAY BE ATTACHED TO THE HOUSE
5. GUARDRAILS ARE REQUIRED WHERE THE HEIGHT OF THE RAMP ABOVE GRADE EXCEEDS 30."



### STAIR RISE AND RUN



### STAIR DETAILS



REVISION	DATE

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ISSUED DATE: 10-08-2025