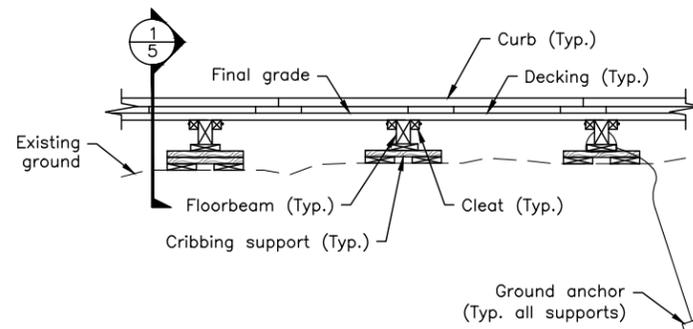
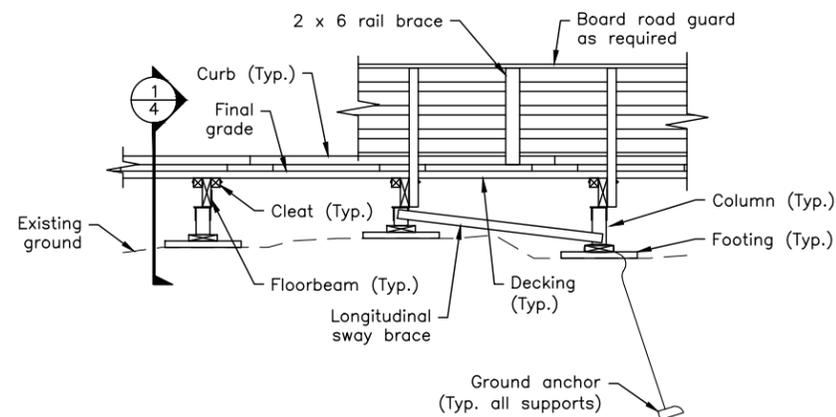
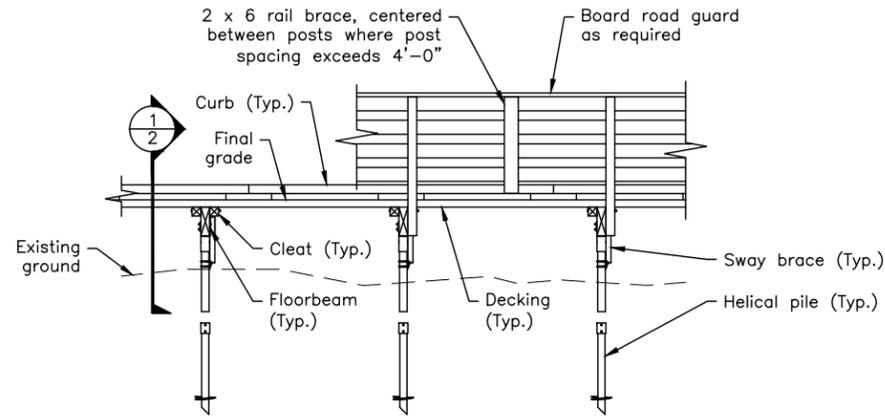
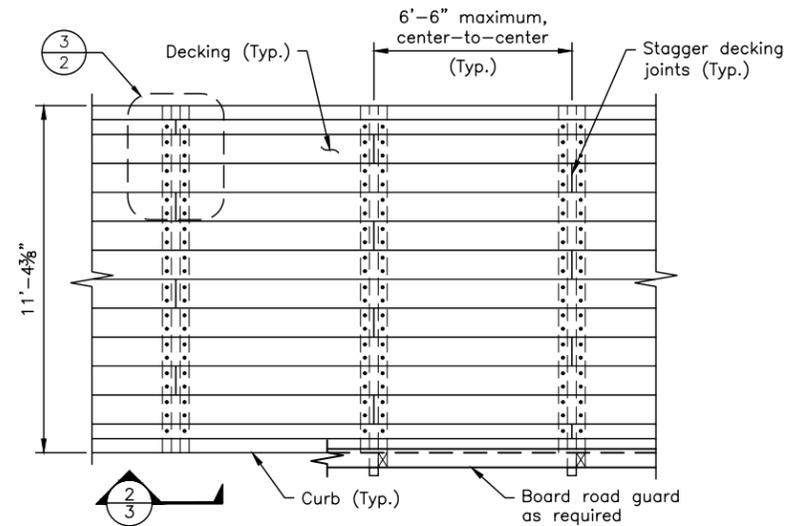


GENERAL NOTES

1. Furnish all material and workmanship in accordance with the State of Alaska Standard Specifications for Highway Construction unless otherwise noted.
2. Coordinate with all affected utility service companies to maintain services during construction.
3. Hot-dip galvanize all metal products in accordance with Section 716, unless noted otherwise. For wood fasteners, see notes 5(C-G).
4. Structural steel:
 - A. Furnish ASTM A36 steel above-ground bracing and brackets.
 - B. Repair hot-dipped galvanized members that are field cut or drilled in accordance with Section 716.
5. Timber:
 - A. Furnish Douglas Fir-Larch No. 1 or Better for all timber unless noted otherwise. Provide S4S finished timber unless noted otherwise.
 - B. Furnish Douglas Fir-Larch No. 2 for timber footings and cribbing. Footing and cribbing boards may be rough-sawn.
 - C. Pressure treat all timber per Section 714 with use category UC4B, unless noted otherwise.
 - D. Furnish framing screws or lag screws with either square, star, or hex head. Furnish stainless steel, hot-dip galvanized, treated for permanent exterior use and contact with pressure treated wood, or approved equal. Where used with a washer or in contact with other metal, the products shall be compatible and not corrode due to contact.
 - E. Furnish ASTM A307 bolts and lag screws.
 - F. Install fasteners a minimum of 2" from the end of a member to prevent splitting wood. Replace split wood. Pre-drill where required.
 - G. Provide lag screw fasteners with a pull out capacity of 200 pounds per inch of thread, minimum, unless otherwise noted. Provide #10 or larger wood screws.
 - H. Furnish a nut and two washers for each bolt. Place washer on each side of timber members.
6. Helical piles:
 - A. Install to a minimum depth of 15 feet and 1,500 foot-pounds of torque. Depth is measured to the top of the upper helix.
 - B. Do not exceed the installation torque rating from the manufacturer. Pre-drill as necessary through hard, frozen ground at the surface or to achieve minimum embedment if helical piles cannot be advanced without exceeding install torque rating.
 - C. Furnish ASTM A53, Grade B for central shaft pipes.
 - D. Furnish ASTM A36 helix bearing plates.
 - E. Furnish ASTM A307 bolts in splice connections.
7. Ground anchors: provide ground anchor with 2 kip minimum working capacity in medium dense sandy gravel.
8. Joist hangers: Furnish hot-rolled steel joist hangers, zinc coat per ASTM A653, G90.



1 1 TYPICAL BOARD ROAD
Scale: NTS

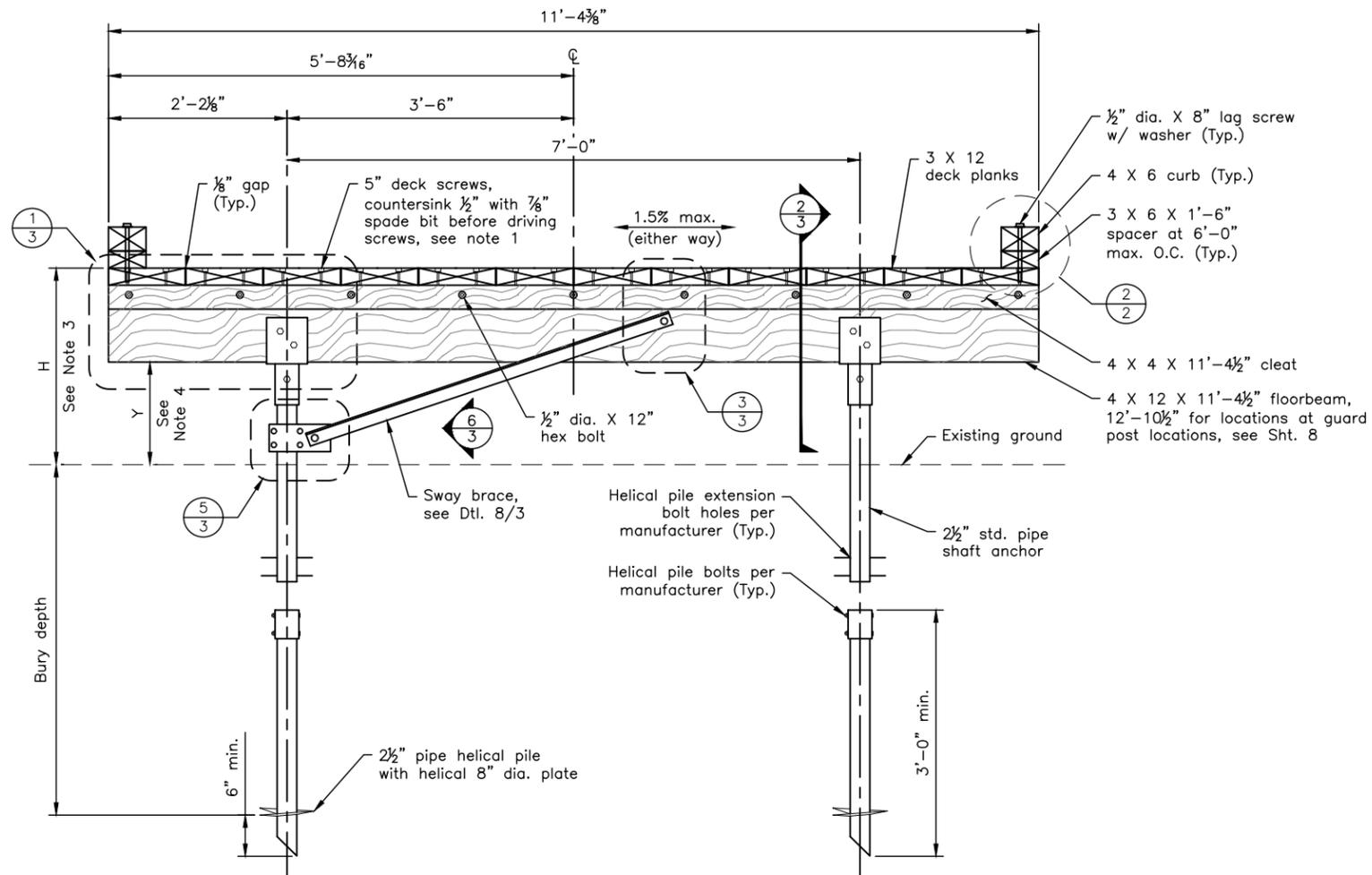
State of Alaska DOT&PF
ALASKA STANDARD PLAN
BOARD ROAD
PLAN AND ELEVATION

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Adopted as an Alaska Standard Plan by: *Lauren Little* 3/9/2026
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Chief Engineer

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By: EEB Date: 02/20/2026

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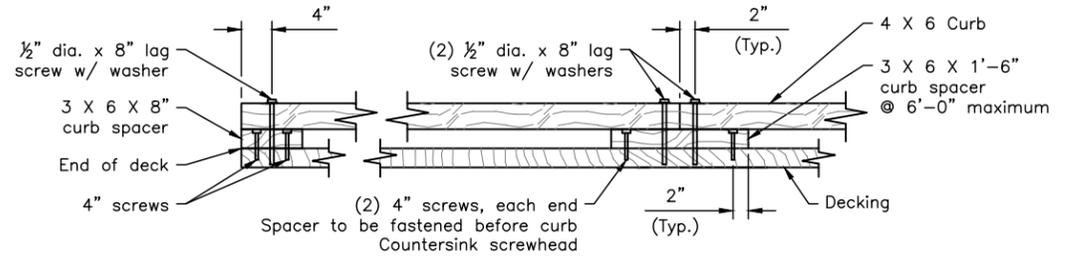


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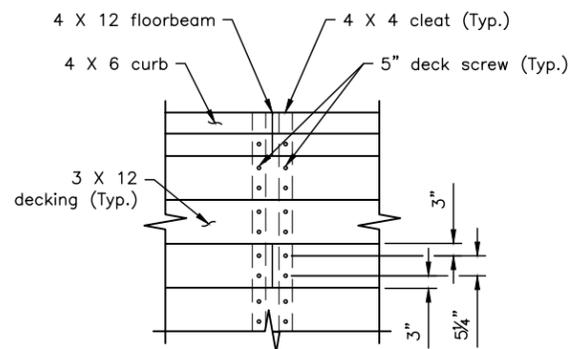
1. Position deck screws to avoid conflict with 12" through-bolts.
2. Sway brace: Alternate sides of board road every set of helical piles.
3. Provide guard where required by Detail 1/8.
4. Omit sway brace where Y is less than 12".

1
2
TYPICAL SECTION
Scale: NTS

NOTE:
Locate curb splices 1'-0" minimum from board road guards where used.

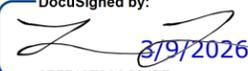


2
2
CURB CONNECTION DETAIL
Scale: NTS

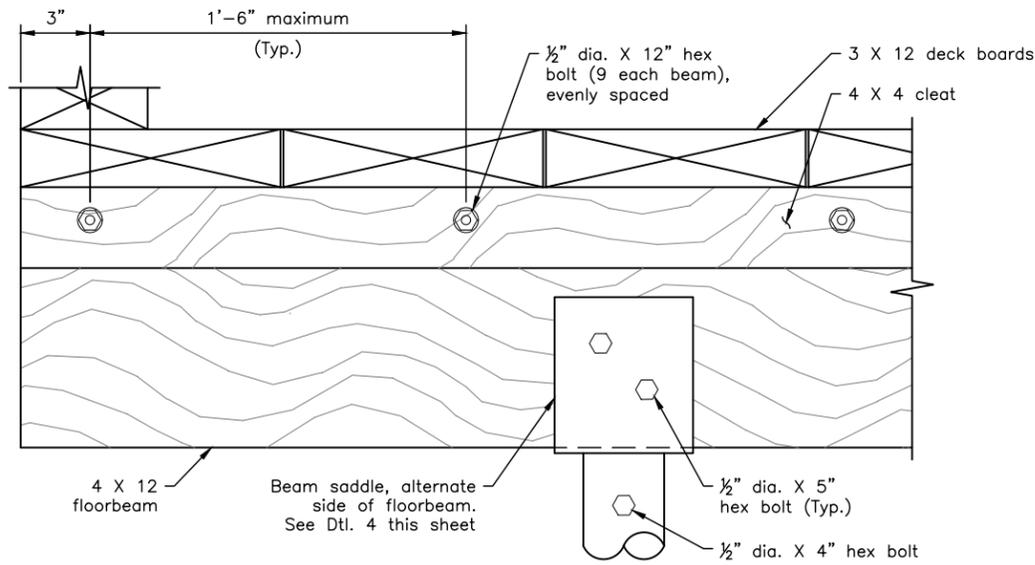


3
2
BOARD ROAD CONNECTION PLAN
Scale: NTS

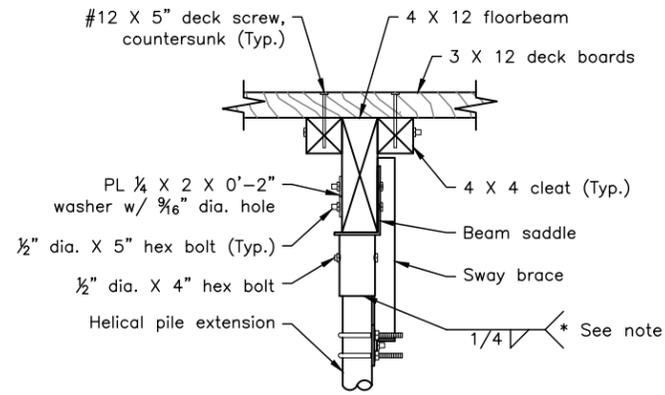
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ALASKA STANDARD PLAN
**BOARD ROAD
TYPICAL SECTION
AND DETAILS**

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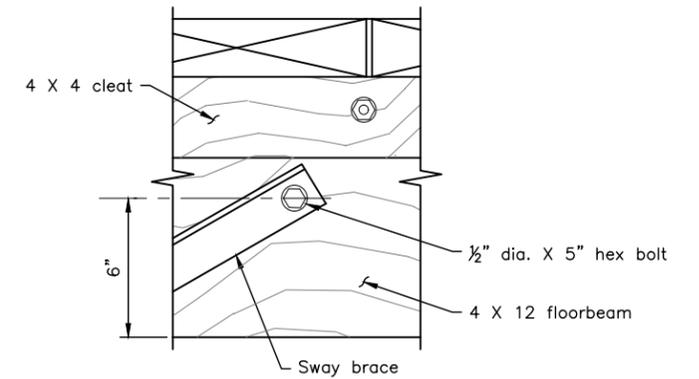


1
3 BEAM SADDLE - ELEVATION
Scale: NTS

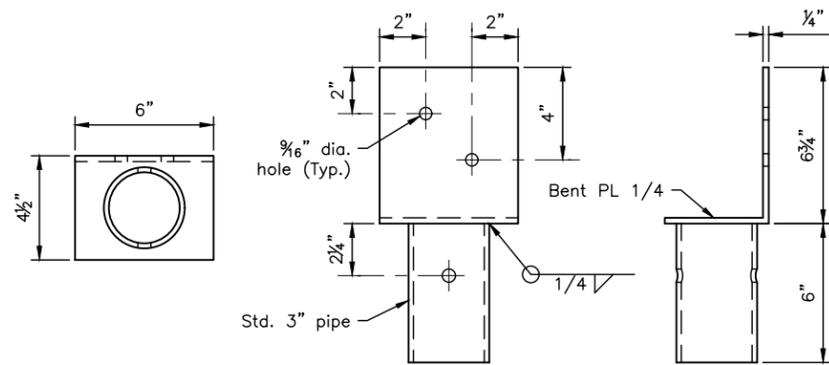


*NOTE:
If the bolted connection between the beam saddle and helical pile cannot be achieved, this weld may be used with the approval of the Engineer.

2
3 BOARD ROAD SUPPORT SECTION
Scale: NTS

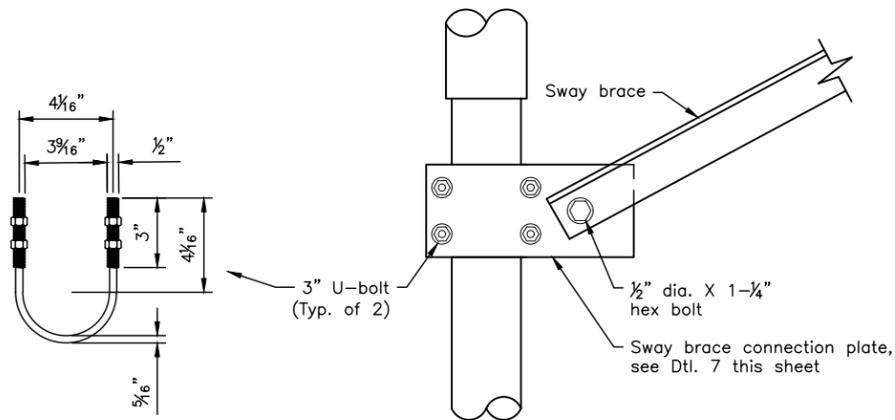


3
3 SWAY BRACE CONNECTION - ELEVATION
Scale: NTS

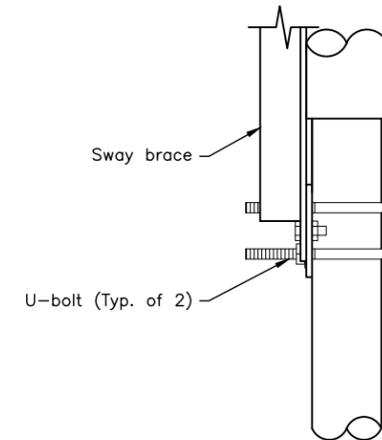


4
3 SADDLE DETAIL
Scale: NTS

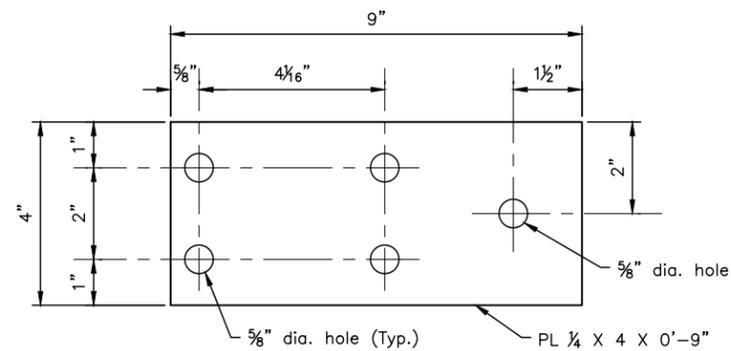
NOTE:
An L 6 X 6 X 5/16 may be substituted for the bent PL 1/4. Maintain the vertical location of the bolt holes into the floorbeam.



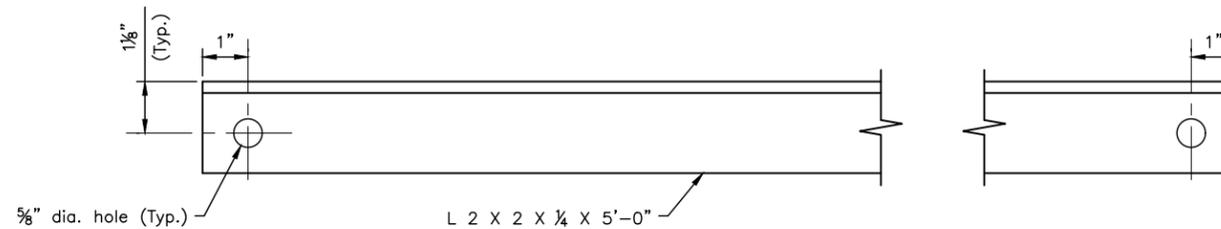
5
3 SWAY BRACKET
Scale: NTS



6
3 U-BOLT CONNECTION
Scale: NTS



7
3 SWAY BRACE CONNECTION PLATE
Scale: NTS



8
3 SWAY BRACE
Scale: NTS

State of Alaska DOT&PF
ALASKA STANDARD PLAN
BOARD ROAD
SUBSTRUCTURE
CONNECTION DETAILS

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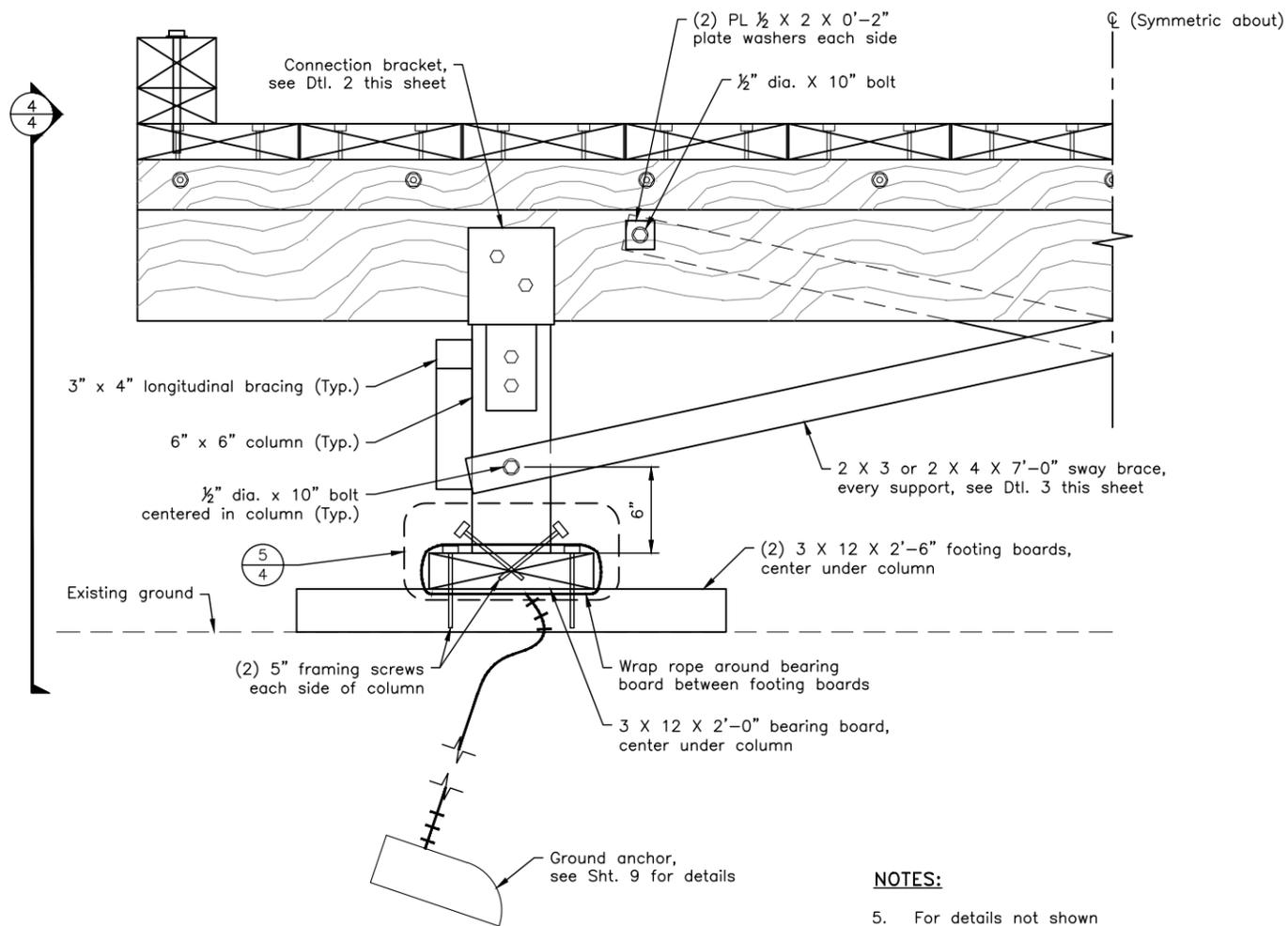
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Chief Engineer

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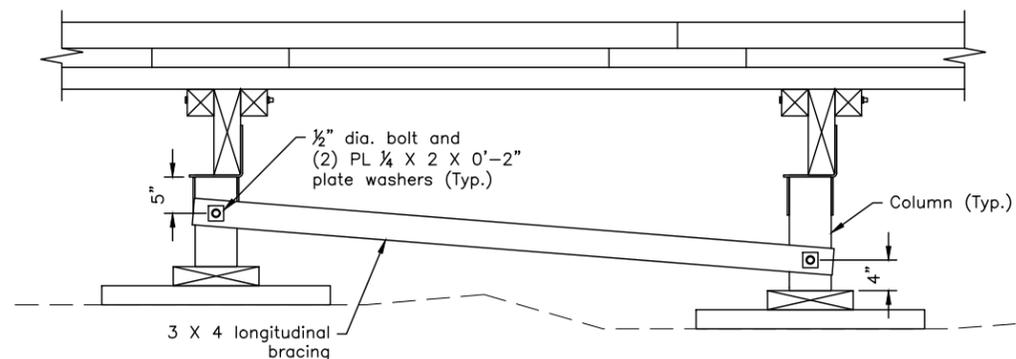
Last Code and Stds. Review
By: EEB Date: 02/20/2026

Next Code and Standards Review Date: 02/20/2036



1
4 TYPICAL SECTION
Scale: NTS

- NOTES:**
- For details not shown see Sheet 2.
 - Provide guard where required by Detail 1/8.

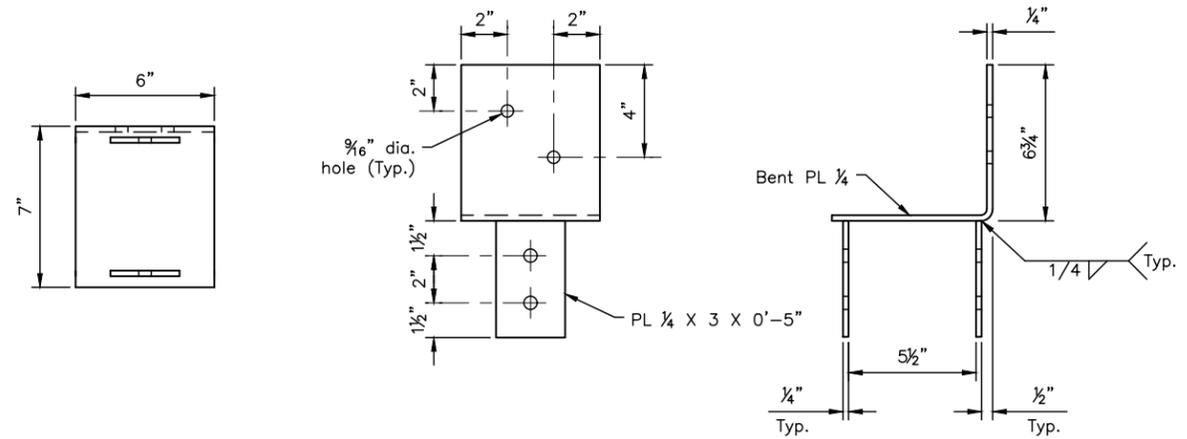


4
4 ELEVATION
Scale: NTS

NOTE:
Ground anchors not shown.

NOTES:

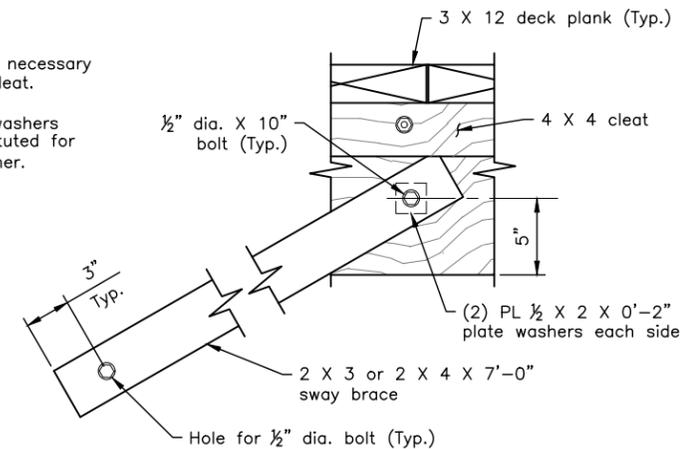
- Prefabricated post caps/joint holders may be substituted with Engineer approval.
- A rolled L 8 X 8 member may be substituted for the bent plate. Trim corner of floorbeam minimum required to clear L 8 X 8 inside radius.



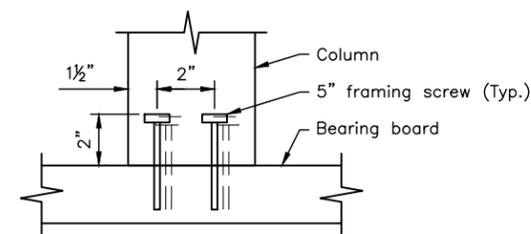
2
4 TIMBER COLUMN SADDLE DETAILS
Scale: NTS

NOTES:

- Trim brace as necessary to clear the cleat.
- Double PL 1/4" washers may be substituted for the PL 1/2" washer.



3
4 TIMBER COLUMN SWAY BRACE DETAILS
Scale: NTS

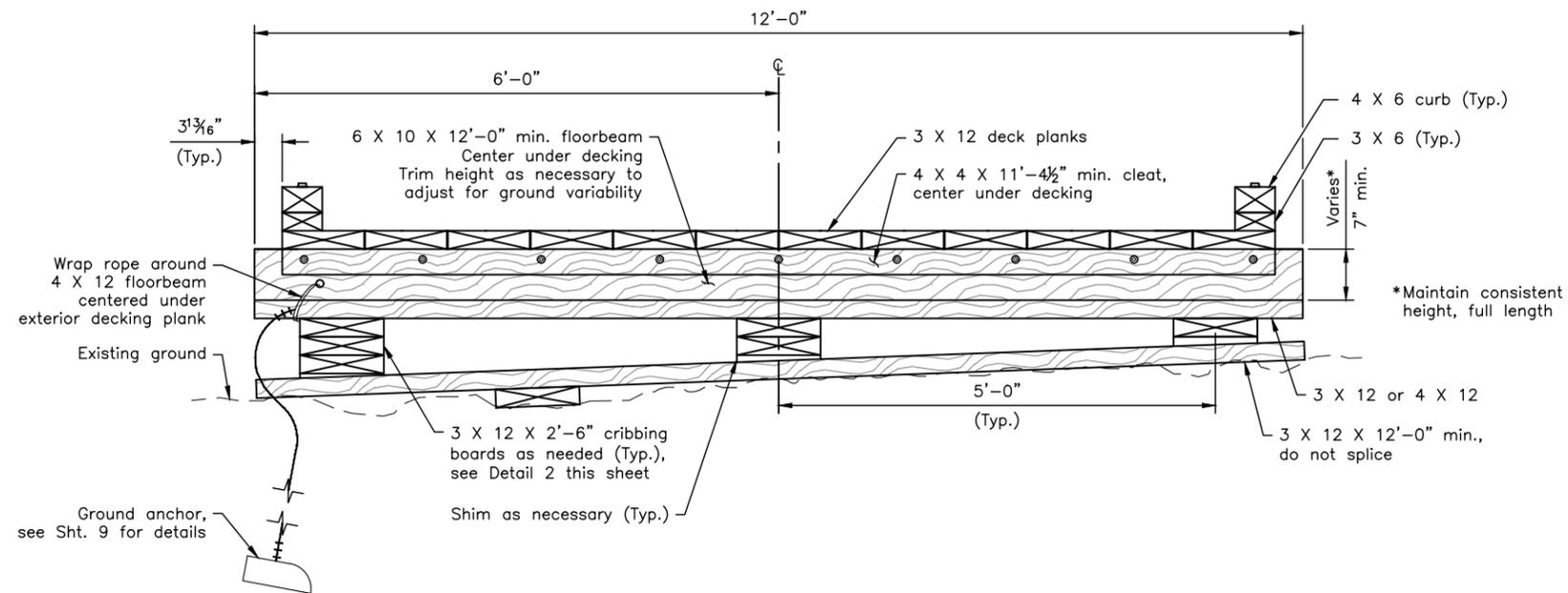


5
4 TOE CONNECTION DETAIL
Scale: NTS

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ALASKA STANDARD PLAN
BOARD ROAD
TIMBER COLUMN
SUPPORT DETAILS

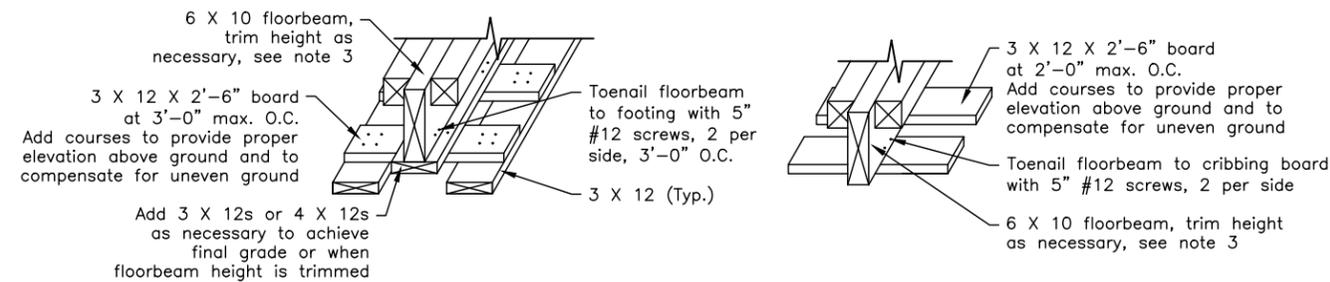
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Chief Engineer

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See Sheet 2 for additional notes and details.

1
5 TYPICAL SECTION - ON CRIBBING SUPPORT
Scale: NTS



NOTES:

1. Use (4) 5" #12 screws where each cribbing board contacts another cribbing board.
2. Stack 3 X 12 X 2'-6" as required to provide a level board road (<2% cross slope).
3. For the floorbeams, 6-by timbers may be substituted for the 4 X 12s. Omit cleats where 6-by timbers are used.

2
5 CRIBBING DETAIL
Scale: NTS

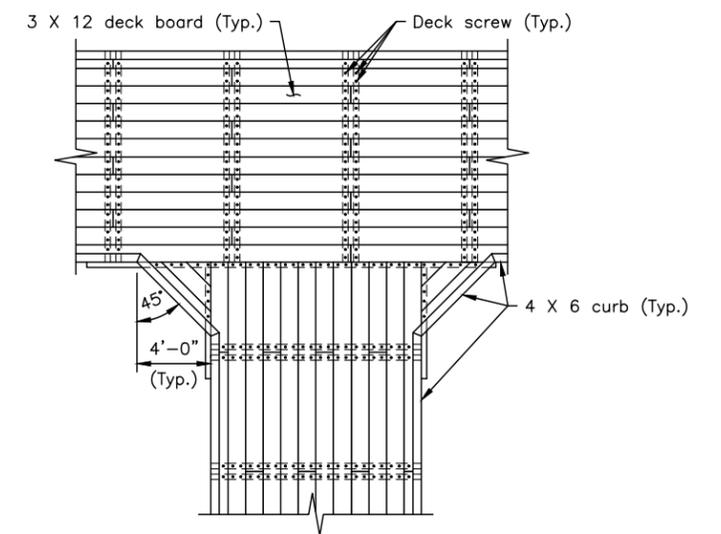
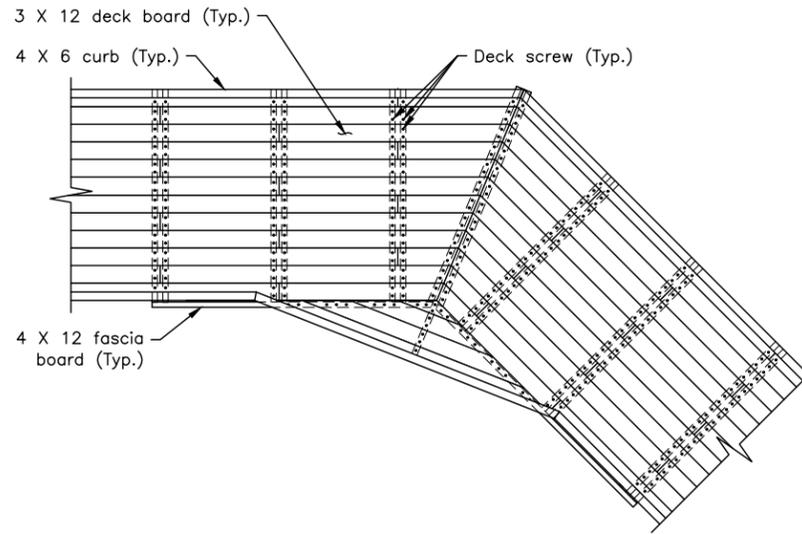
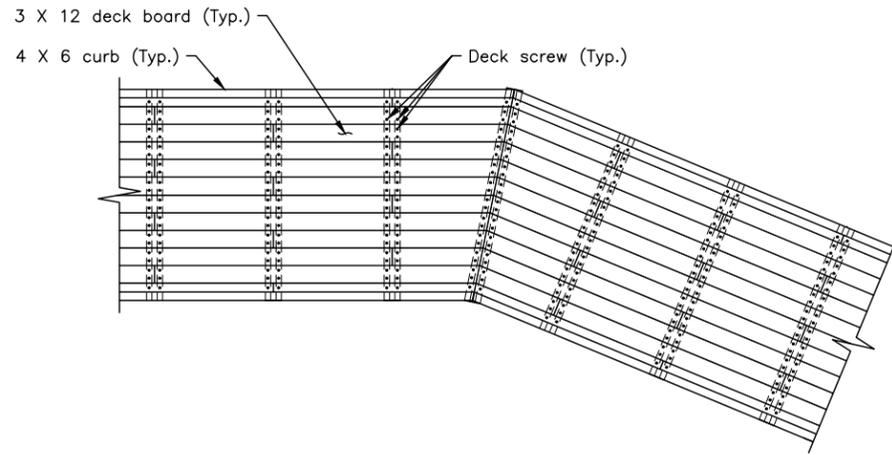
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ALASKA STANDARD PLAN
**BOARD ROAD
CRIBBING SUPPORT DETAILS**

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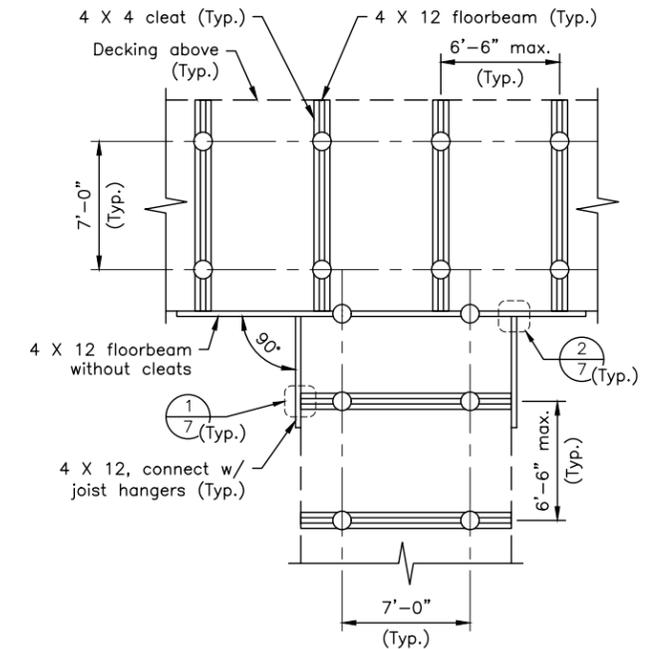
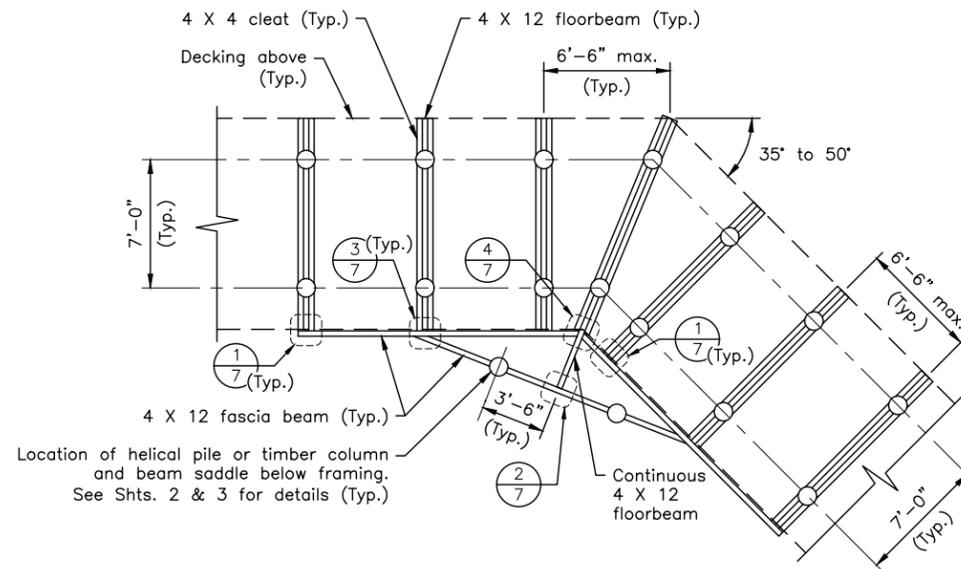
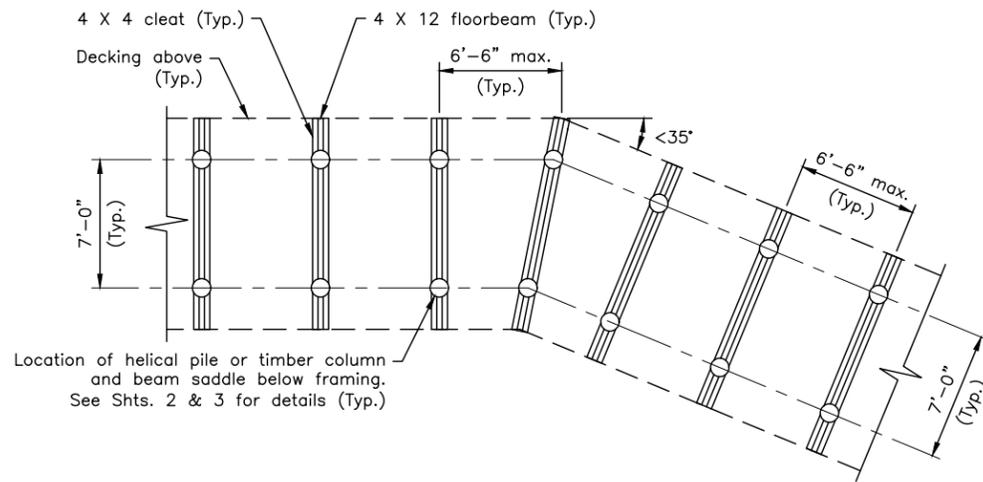
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1
6 ANGLD DECKING PLAN – LESS THAN 35 DEGREES
Scale: NTS

3
6 ANGLD DECKING PLAN – BETWEEN 35 AND 50 DEGREES
Scale: NTS

5
6 DECKING PLAN – 90 DEGREE INTERSECTION
Scale: NTS



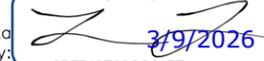
2
6 ANGLD FRAMING PLAN – LESS THAN 35 DEGREES
Scale: NTS

4
6 ANGLD FRAMING PLAN – BETWEEN 35 AND 50 DEGREES
Scale: NTS

6
6 FRAMING PLAN – 90 DEGREE INTERSECTION
Scale: NTS

NOTE:
For framing angles between 50 and 90 degrees, use combinations of angle plans for angles between 0 and 50 degrees or develop project-specific framing plans for Engineer approval.

State of Alaska DOT&PF
ALASKA STANDARD PLAN
BOARD ROAD
ANGLED DECKING
AND FRAMING PLANS

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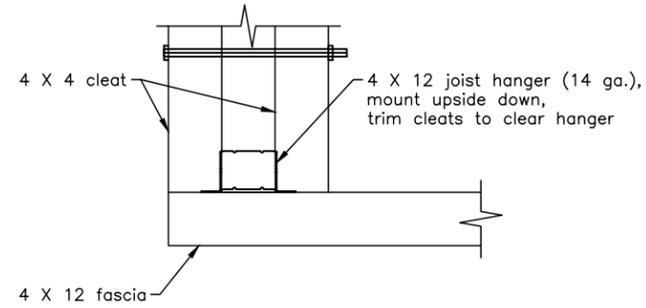
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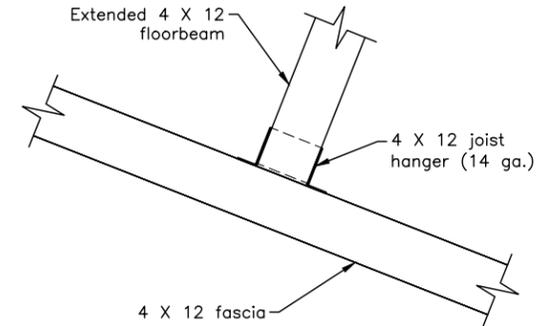
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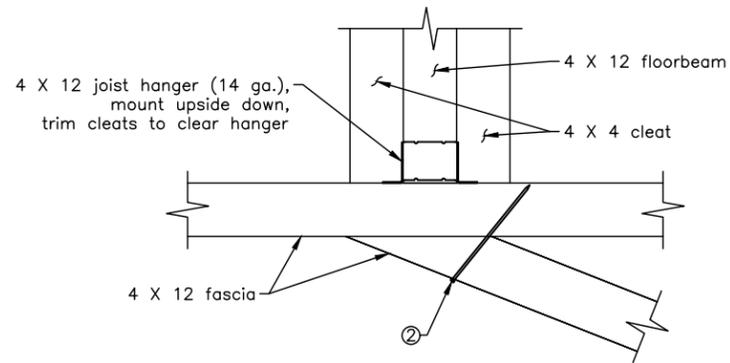
- 1. Angle framing screws to avoid the tip protruding beyond framing.
- 2. 8" screws. 3 screws centered vertically, equally spaced. 3" minimum to 4" maximum between screws.



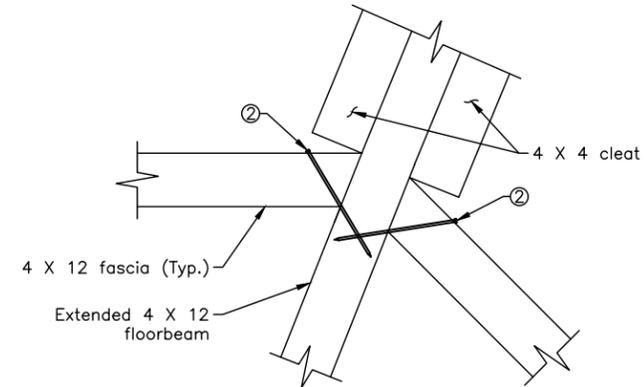
1
7 FRAMING DETAIL - PLAN
Scale: NTS



2
7 FRAMING DETAIL - PLAN
Scale: NTS



3
7 FRAMING DETAIL - PLAN
Scale: NTS

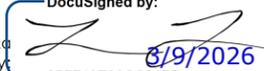


4
7 FRAMING DETAIL - PLAN
Scale: NTS

State of Alaska DOT&PF
ALASKA STANDARD PLAN

BOARD ROAD
FRAMING DETAILS

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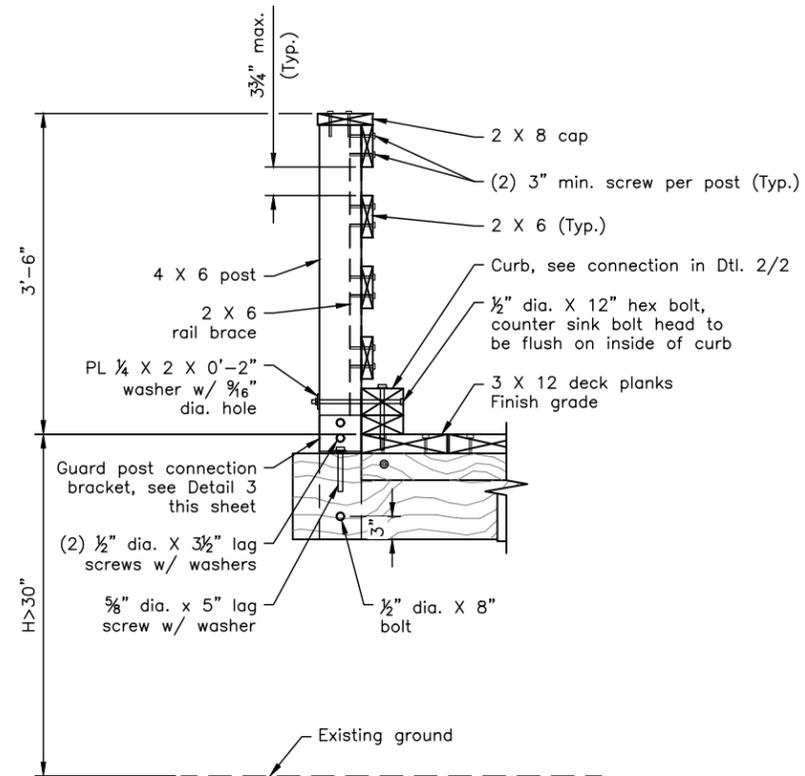
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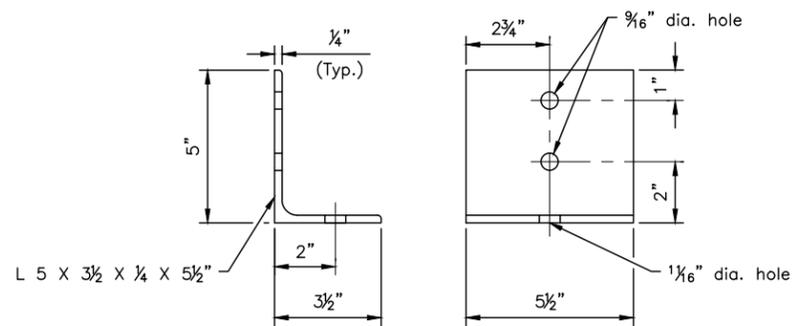
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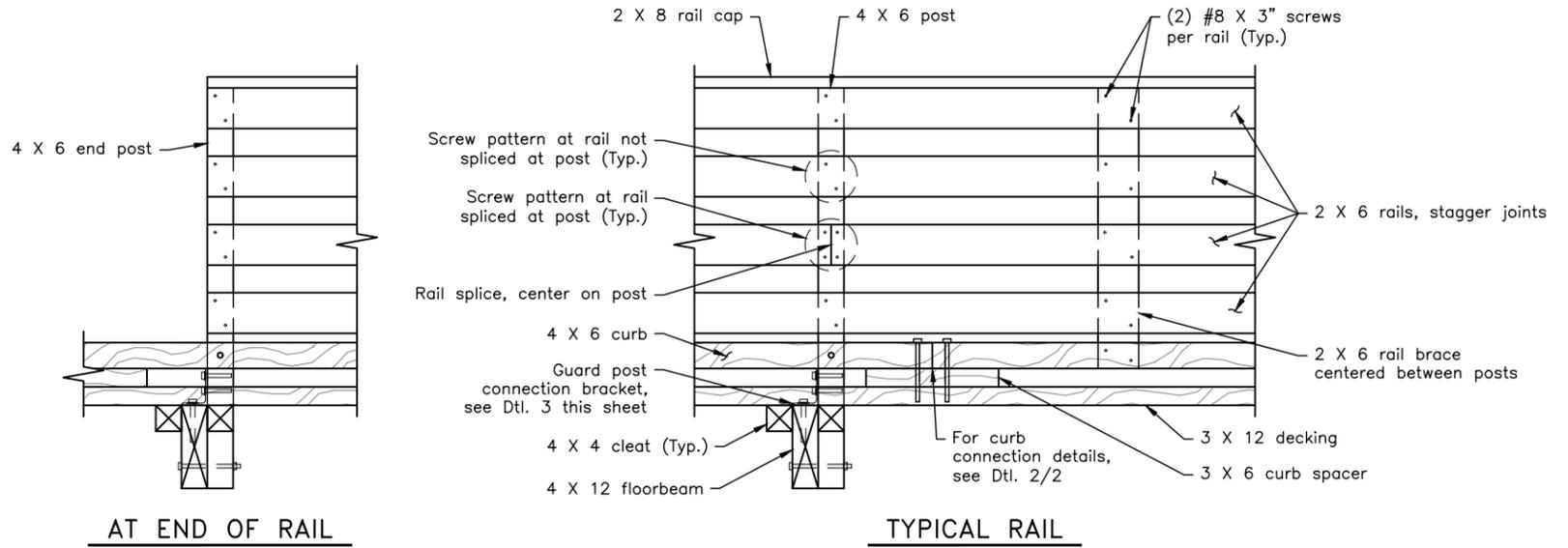
NOTES:

1. Board road guard required where deck finish grade exceeds 30" above existing grade or where handrails are required. Determine "H" independently on each side of board road.
2. Mount handrails to guards. For "H" < 30", the 2 X 6 rails not used for handrail connections, 2 X 8 cap, and rail braces may be removed from the guard.
3. See Detail 1/2 for other board road details.

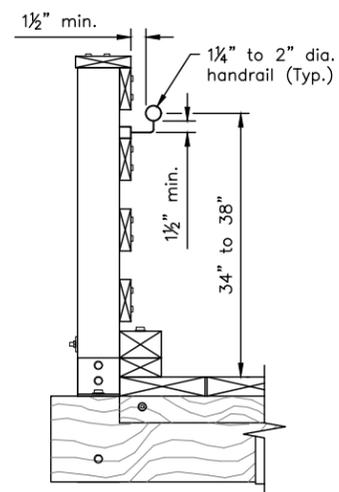
1
8 TYPICAL BOARD ROAD GUARD SECTION
Scale: NTS



3
8 GUARD POST CONNECTION BRACKET
Scale: NTS



2
8 TYPICAL BOARD ROAD GUARD ELEVATION
Scale: NTS



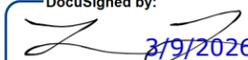
4
8 HANDRAIL DETAILS
Scale: NTS

HANDRAIL NOTES:

4. Provide continuous, graspable, and circular handrail on any mainline board road exceeding 5% grade.
5. Provide handrails on both sides of the board road where handrails are required.
6. Extend handrail horizontally in the direction of the ramp a minimum of 12 inches beyond the top and bottom of the ramp runs.
7. Provide handrail returns to the guards at terminations.
8. Furnish handrail assemblies constructed of galvanized steel, stainless steel or aluminum.
9. Furnish handrail assemblies meeting the loading requirements of the 2024 International Building Code 1607.9.

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ALASKA STANDARD PLAN

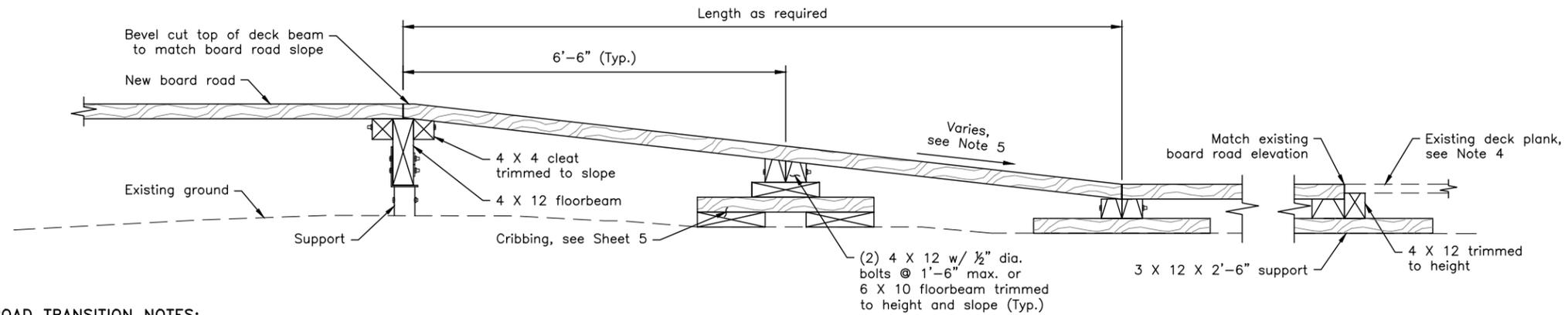
**BOARD ROAD
GUARD DETAILS**

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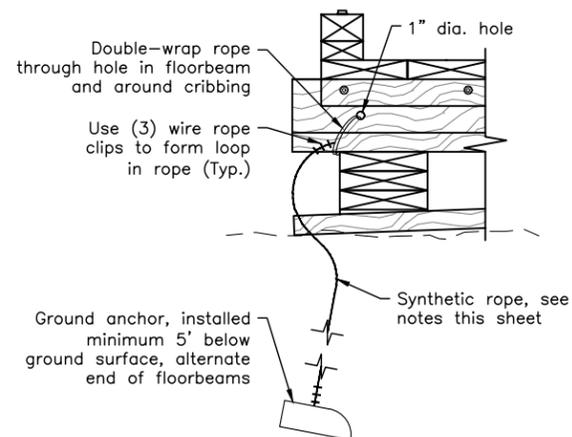
BOARD ROAD TRANSITION NOTES:

1. If existing board road is narrower than new board road, fillet between existing and new board roads at 45 degrees.
2. Existing and new board road surfaces shall be flush, so that no wood protrudes above the wear surface more than 1/8".

BOARD ROAD GRADE NOTES:

3. Splice all deck boards at supports with vertical alignment angle points.
4. Existing board road configurations and construction varies. Existing board road heights vary. Use helical pile, timber column, or cribbing foundations as required to match existing grade. See foundation details on sheets 2, 4, and 5. Develop project-specific connection details to existing board roads for Engineer approval.
5. If the grade exceeds 5%, provide ADA compliant landings at the top and bottom of ramp.

1
9 BOARD ROAD PROFILE
Scale: NTS

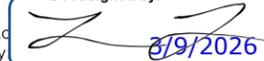


GROUND ANCHOR NOTES:

6. Provide polyester rope, 3/8" minimum diameter with 3000 pound minimum breaking strength.
7. Connect the rope directly to the ground anchor, remove any rope provided with the anchor as necessary.
8. Provide 1'-0" of slack in rope in final position.

2
9 GROUND ANCHOR DETAIL
Scale: NTS

State of Alaska DOT&PF
ALASKA STANDARD PLAN
**BOARD ROAD
MISCELLANEOUS DETAILS**

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By: EEB Date: 02/20/2026

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