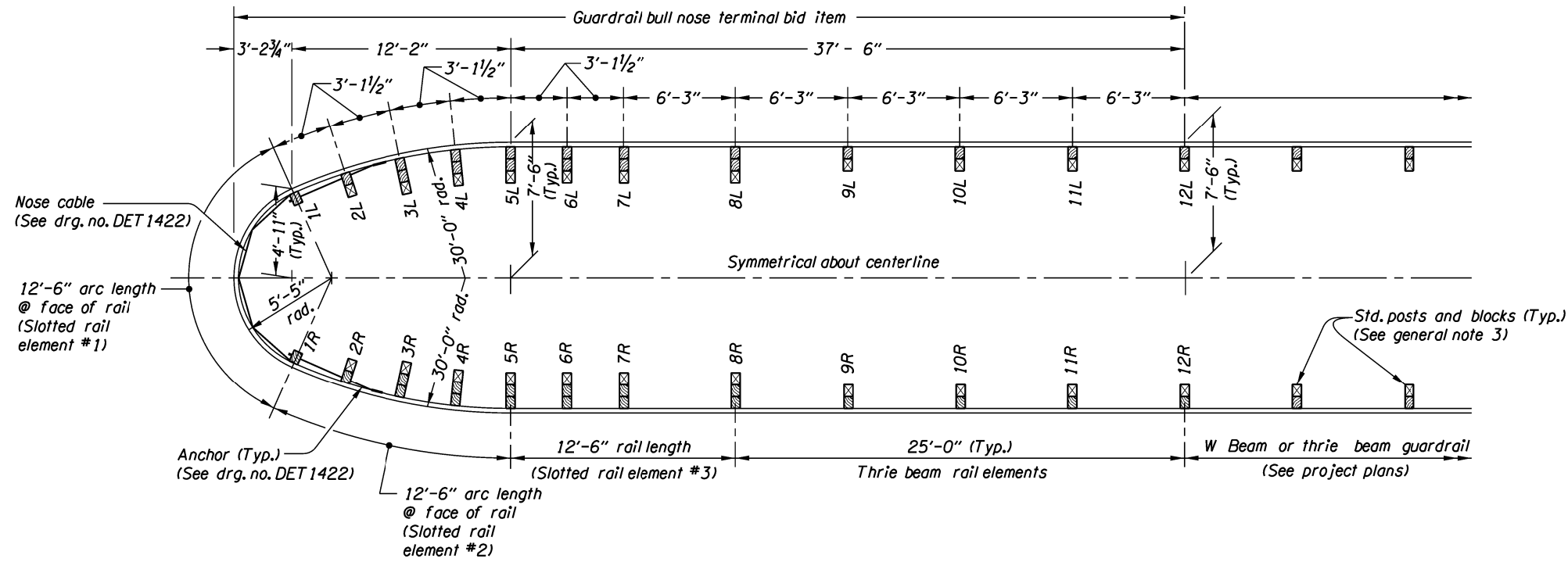
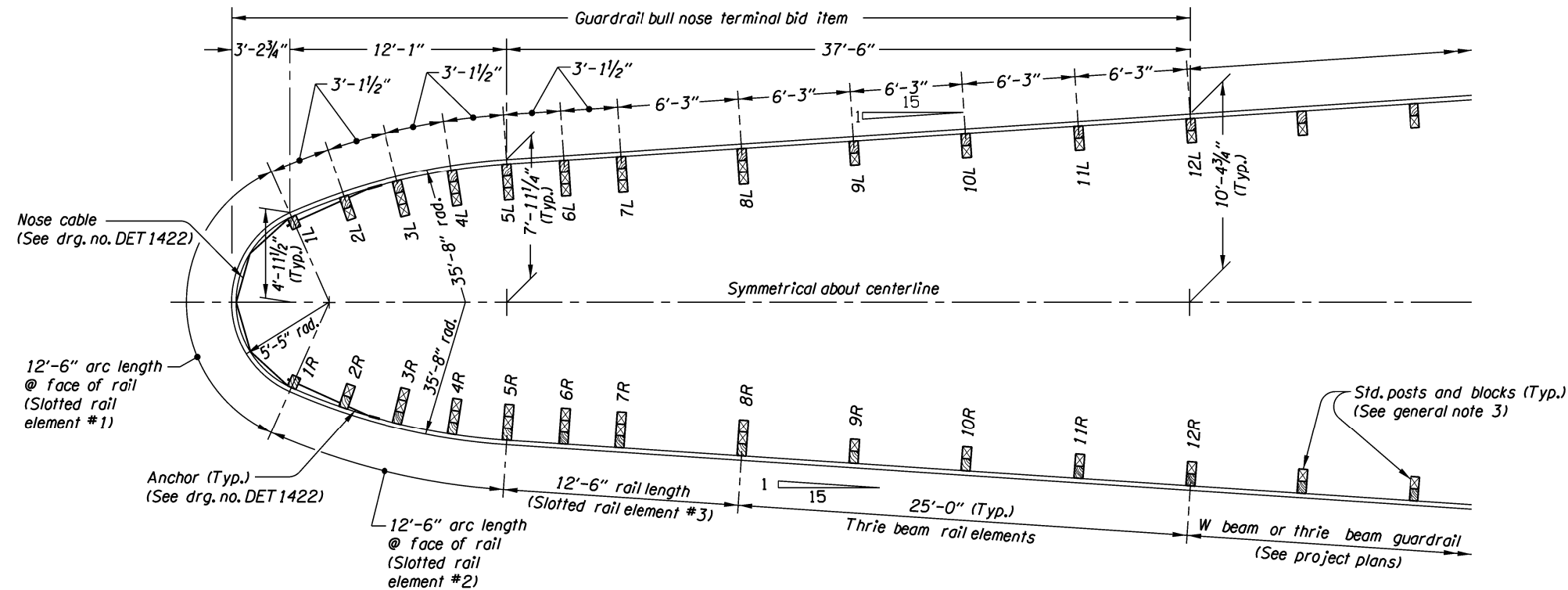
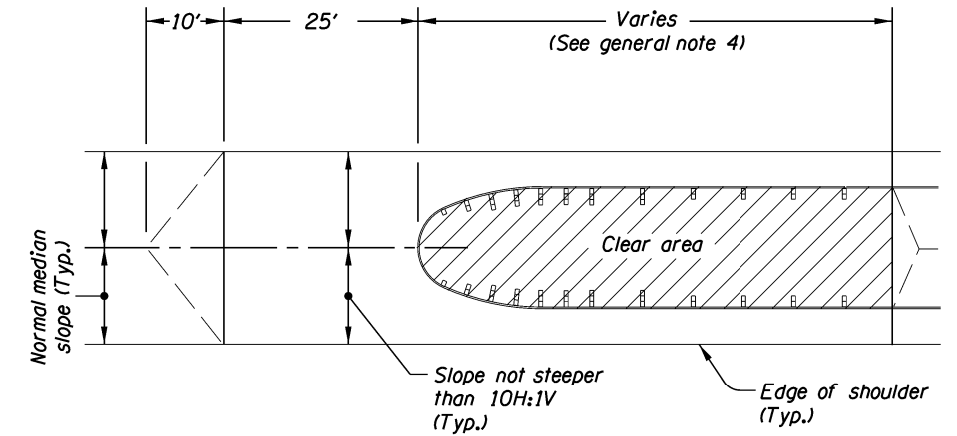




PLAN
GUARDRAIL BULL NOSE TERMINAL - DESIGN 1



PLAN
GUARDRAIL BULL NOSE TERMINAL - DESIGN 2



PLAN
BULL NOSE GRADING

GENERAL NOTES FOR ALL DETAILS:

1. Site conditions normally require a project specific design. See accompanying drawings and project plans for details not shown.
2. See appropriate guardrail standard drawing(s) for details not shown.
3. For W beam applications extend the rail from the bullnose terminal by using a transition element per Std. Drg. RD410 followed by a standard post and block, spaced at 3'-1 1/2". Continue runs with standard 6'-3" post spacing.
4. This terminal may be used on state highway projects providing a reasonable recovery area exists behind the terminal or can be provided. See Highway Design Manual Section 4.6 Design Criteria/Establishment of Variable-Sized Recovery Areas for guidance.

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

GUARDRAIL
BULL NOSE TERMINAL

DETAIL NO.

DET1420