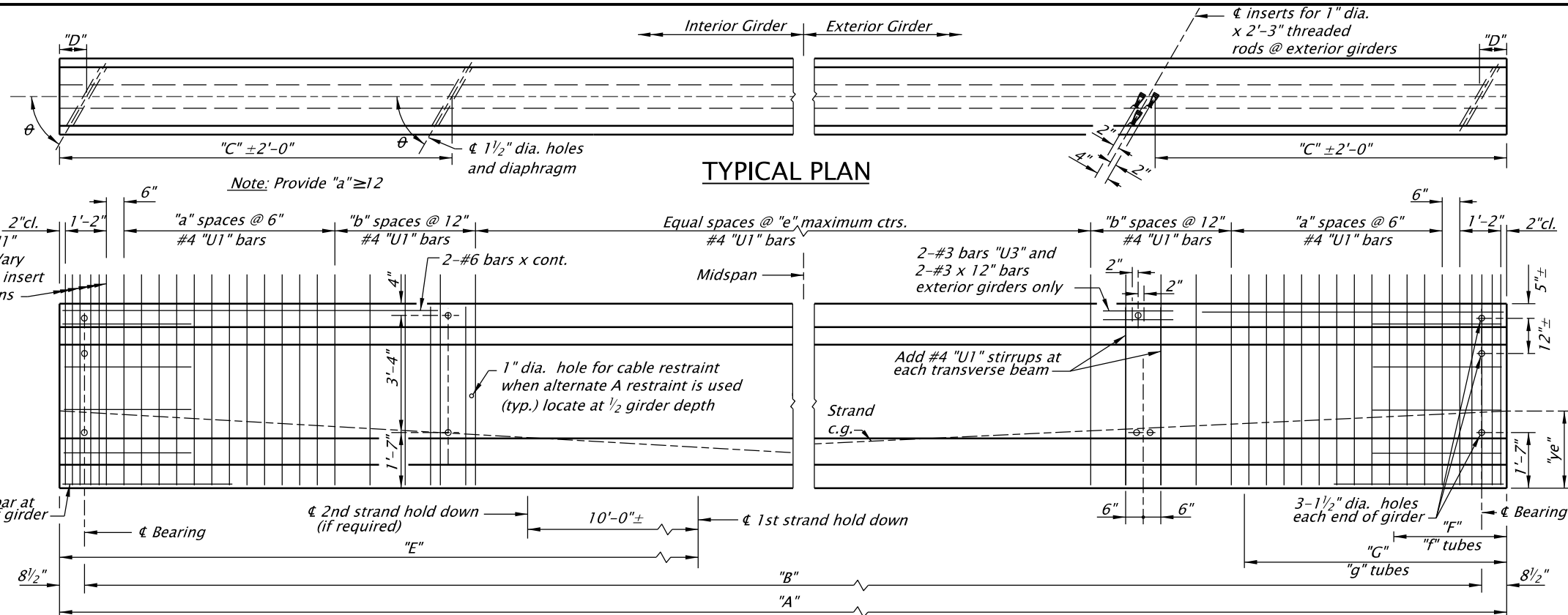


**PRETENSIONING STEEL**

Provide 1/2" dia. 7-wire low relaxation strands conforming to AASHTO M203 (ASTMA416), Grade 270, Supplement 1. Provide an initial tension (after harping deflected strands) of 31.0 kips per strand unless shown otherwise. Deflected strands may be bundled between hold down points. Provide the same tension as the straight strands after deflecting. Detension strands alternately about the girder c to limit prestress eccentricity.

MILD STEEL REINFORCEMENT

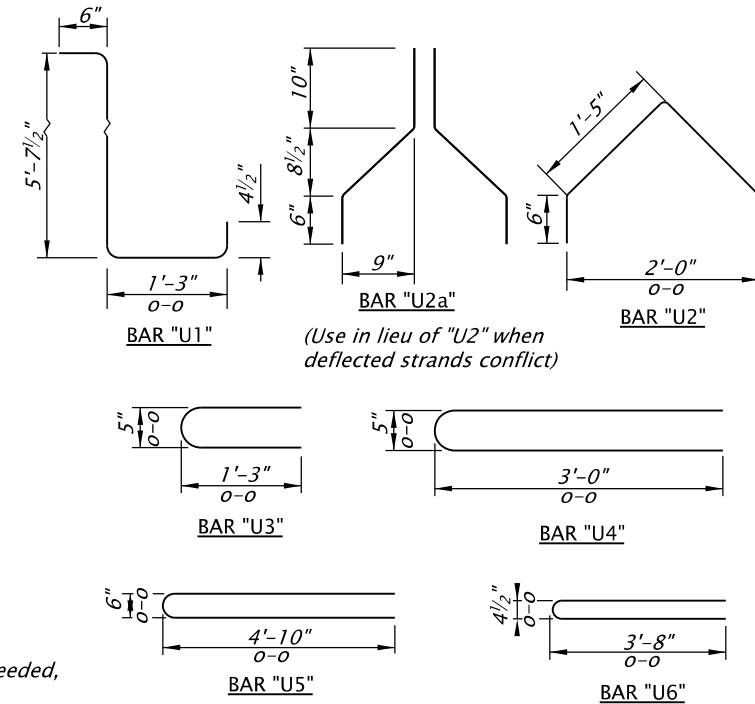
Provide reinforcing steel as specified in the General Notes for the project unless shown otherwise.

HANDLING PRESTRESSED CONCRETE GIRDERS

Keep girders in an upright position with the support points within 2'-0" of the girder ends. Provide temporary diaphragm beams as required, see BR350.

DIAPHRAGM BEAMS

See structure plans for diaphragm beam locations. Pour transverse beams a minimum of three days before deck pour. Provide structural concrete inserts: Expanded coil concrete inserts with closed-back ferrule threaded to receive 1" dia. x 2'-3" rods AASHTO M314, Gr. 36 (ASTM A307) threaded full length. Brace prestressed girders to prevent lateral deflection during diaphragm pour.



Accompanied by dwgs. BR350 and DET3345

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

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

TYPE V - PRESTRESSED CONCRETE GIRDERS

2024

DATE	REVISION	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
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CALC. BOOK NO.	N/A	SDR DATE: 20-APR-2018

BR340

Effective Date: June 1, 2026 – November 30, 2026