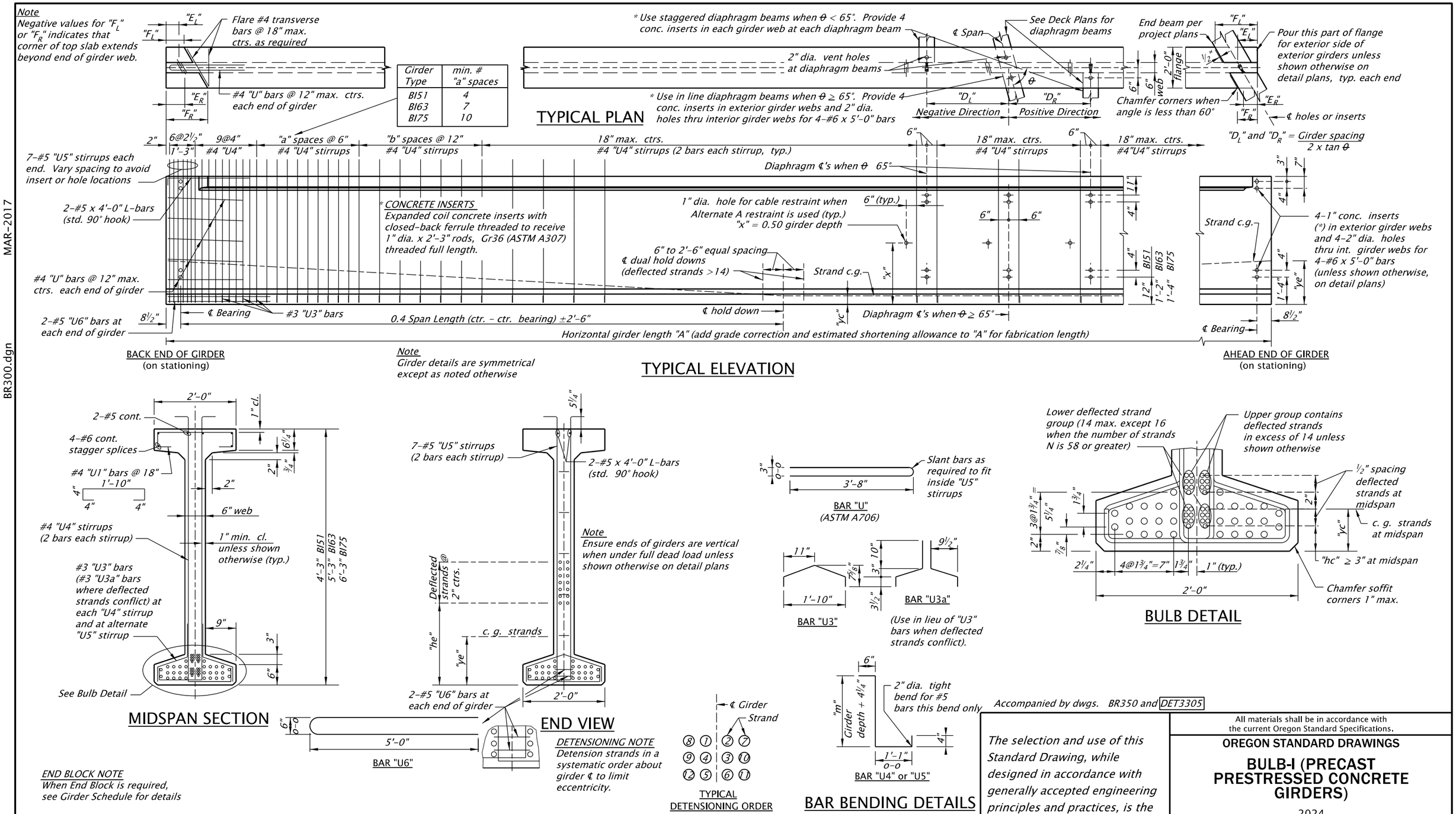
Note
Negative values for "F_L" or "F_R" indicates that corner of top slab extends beyond end of girder web.



TYPICAL PLAN

Girder Type	min. # "a" spaces
BI51	4
BI63	7
BI75	10

TYPICAL ELEVATION

Note
Girder details are symmetrical except as noted otherwise

MIDSPAN SECTION

END VIEW

BULB DETAIL

BAR BENDING DETAILS

END BLOCK NOTE
When End Block is required, see Girder Schedule for details

DETENSIONING NOTE
Detension strands in a systematic order about girder ℄ to limit eccentricity.

Note
Ensure ends of girders are vertical when under full dead load unless shown otherwise on detail plans

Accompanied by dwgs. BR350 and DET3305

BULB-I GIRDER NOTES
Girders designed for live loading and superimposed dead load as shown in the General Notes.
Provide reinforcing steel as shown in the General Notes except as noted.
Provide ½" dia. 7-wire low relaxation prestressing strands conforming to AASHTO M203 (ASTM A416), Grade 270, Supplement 1. Provide an initial tensioning (after harping deflected strands) of 31.0 kips per strand unless shown otherwise on the Girder Schedule.

Provide the class of concrete shown on the Girder Schedule.
Keep girders in an upright position with the support points within 2'-0" of the girder ends.
Deflected strands may be bundled between hold down points.
Provide temporary diaphragm beams as required, see BR350.

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

BULB-I (PRECAST PRESTRESSED CONCRETE GIRDERS)

2024

DATE	REVISION DESCRIPTION
-	-

CALC. BOOK NO. N/A | SDR DATE 20-APR-2018 | **BR300**

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