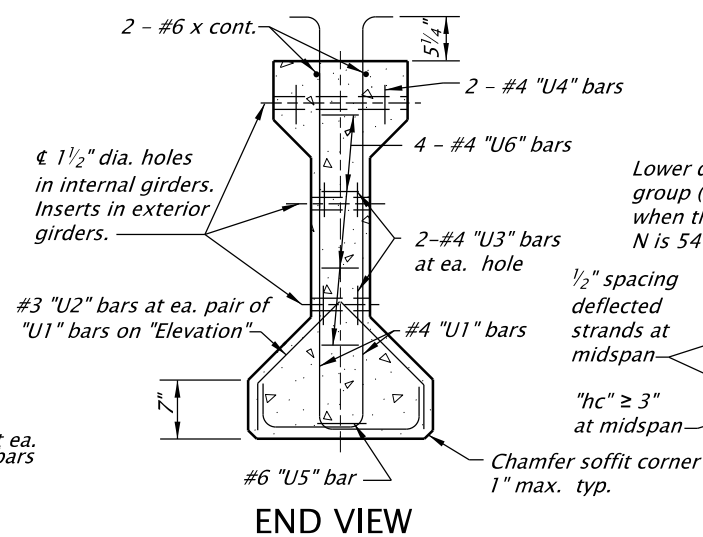
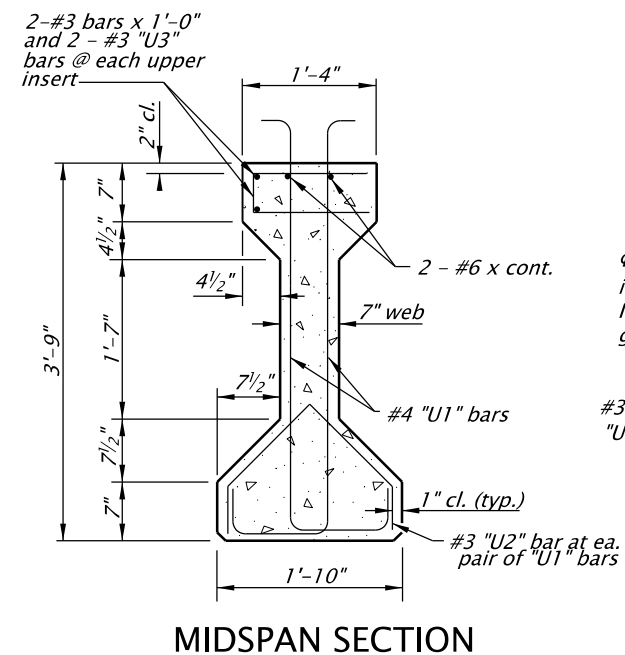
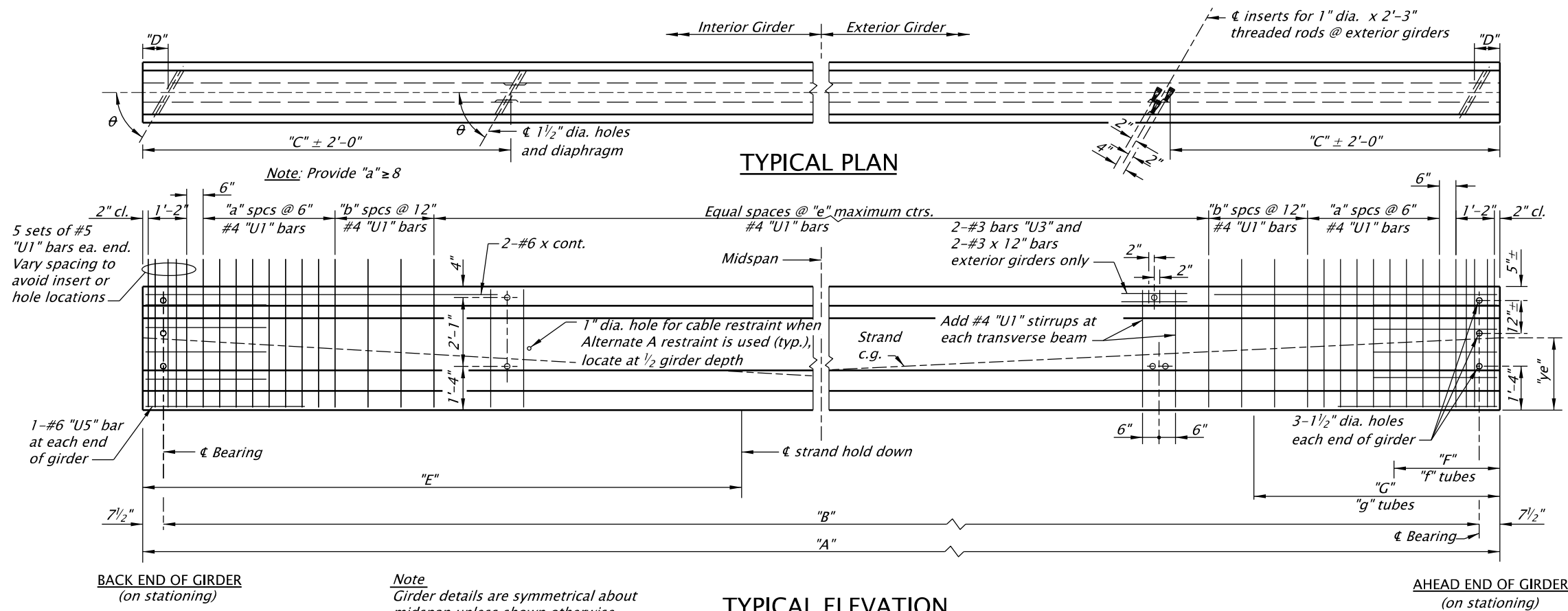


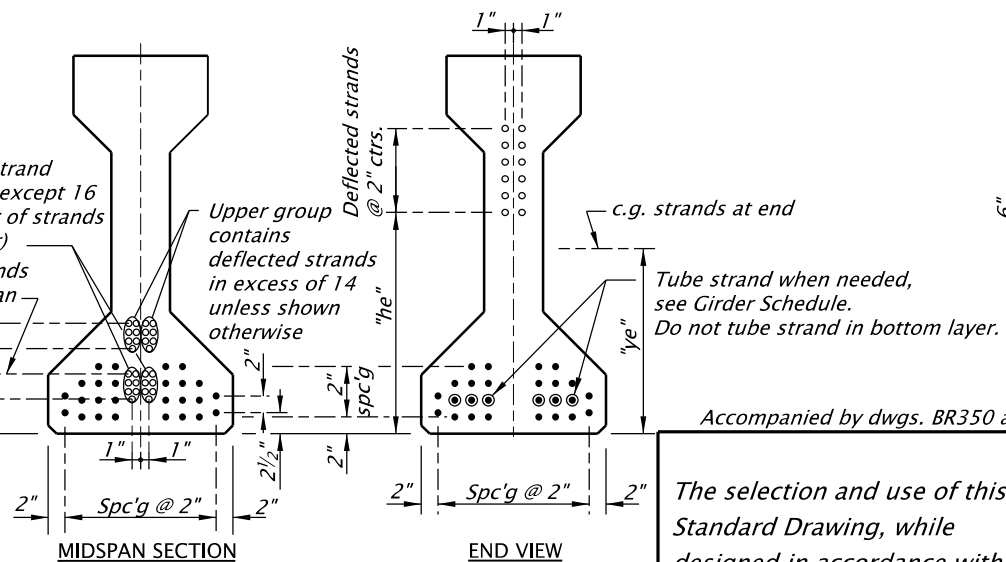


Lower deflected strand group (14 max. except 16 when the number of strands N is 54 or greater)

1/2" spacing deflected strands at midspan

c.g. strands at midspan

"hc" ≥ 3" at midspan



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.

#### 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 to limit prestress eccentricity.

#### MILD STEEL REINFORCEMENT

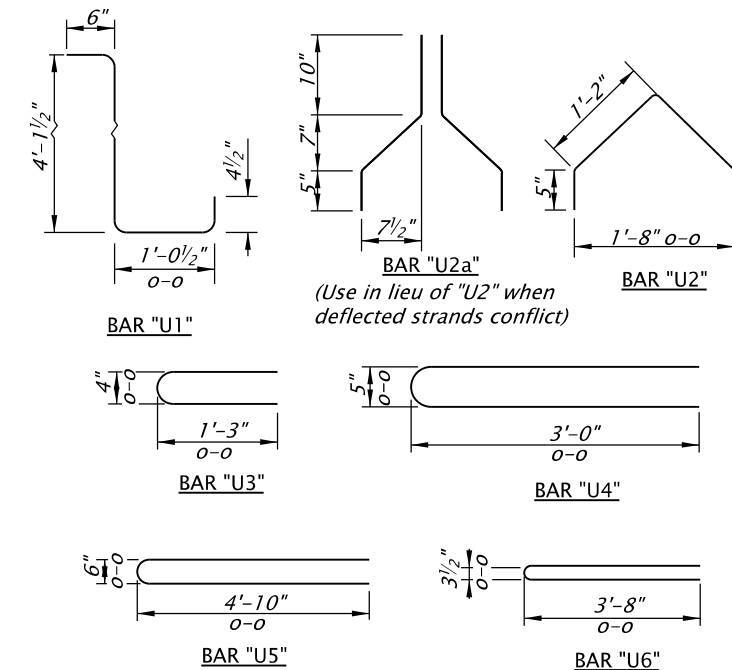
Provide reinforcing steel as specified in the General Notes for the project unless shown otherwise.

#### 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

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

#### OREGON STANDARD DRAWINGS

#### TYPE III - PRESTRESSED CONCRETE GIRDERS

2024

| DATE | REVISION | DESCRIPTION |
|------|----------|-------------|
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |
| -    | -        | -           |

|                      |           |                          |       |
|----------------------|-----------|--------------------------|-------|
| CALC. BOOK NO. - - - | N/A - - - | SDR DATE - 20-APR-2018 - | BR330 |
|----------------------|-----------|--------------------------|-------|

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