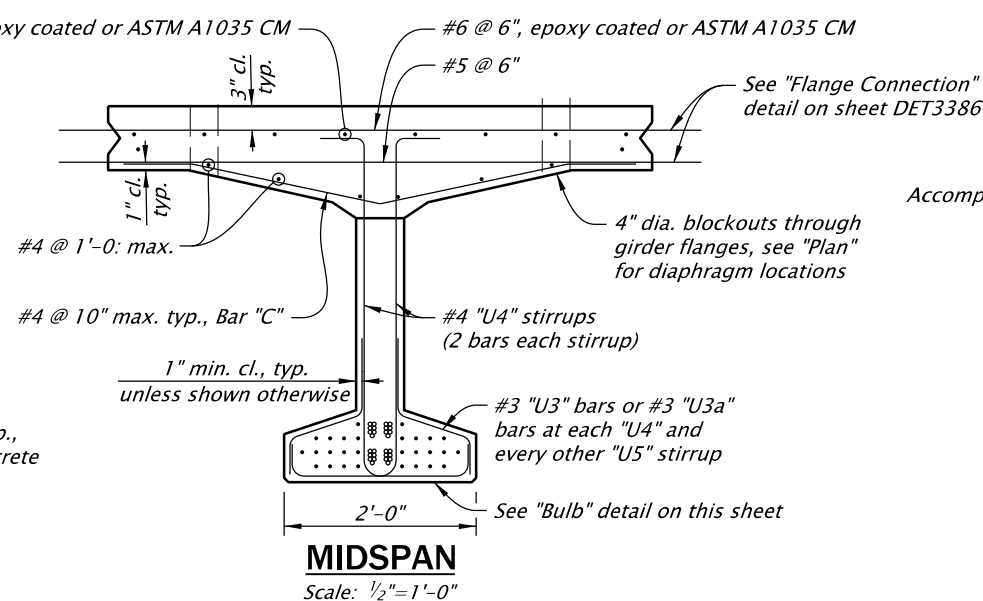
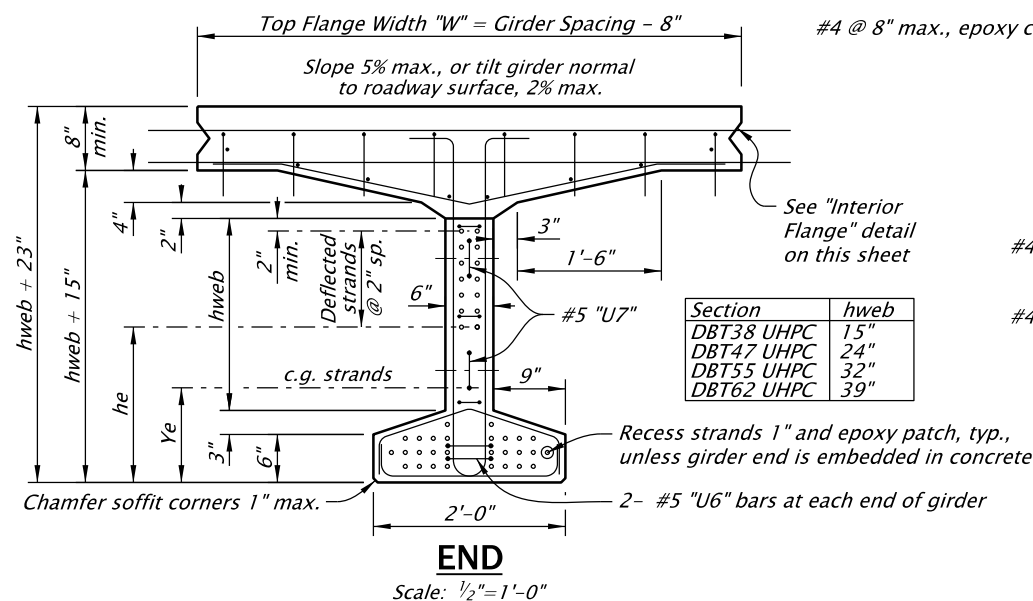
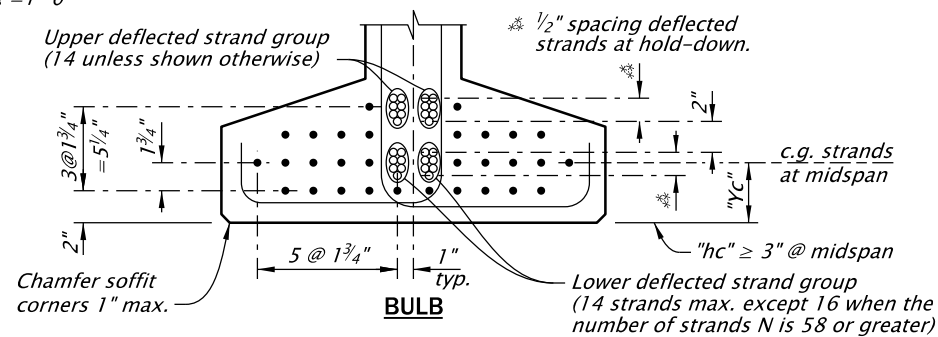
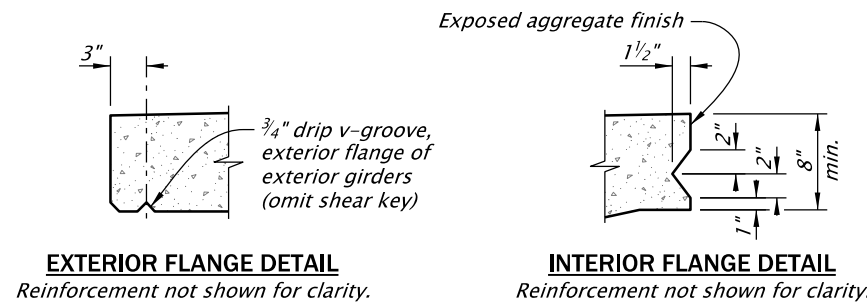
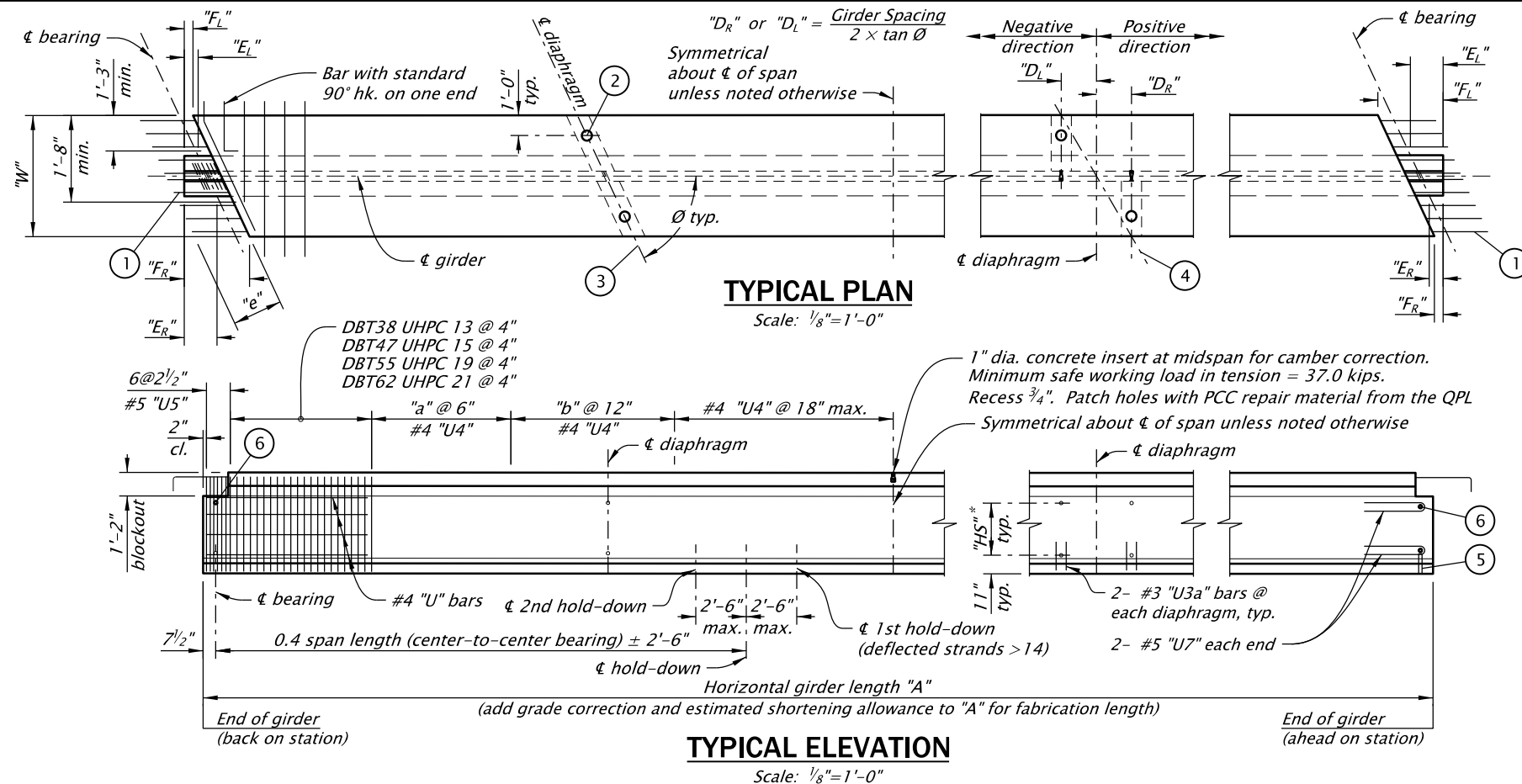
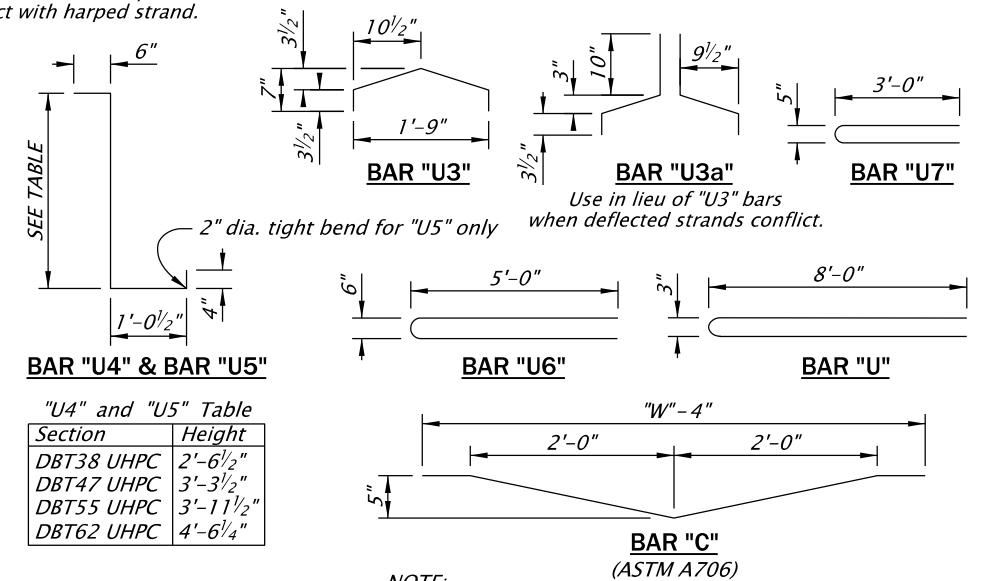




- ① *Extend #4 bars (A706) a distance $\frac{a}{\sin \theta}$ beyond edge of flange and add standard 90° hook.*
- ② *Provide 4" dia. blockout through girder flanges. Interior flange only on exterior girders. Both flanges on interior girders.*
- ③ *Use in line diaphragm beams when $\theta \geq 65^\circ$. Provide 2 concrete inserts in exterior girder webs and 2" dia. holes through interior girder webs for 2- #6 x 5'-0" bars (unless shown otherwise on detail plans).*
- ④ *Use staggered diaphragm beams when $\theta < 65^\circ$. Provide 4 concrete inserts in each girder web at each diaphragm.*
- ⑤ *2" dia. x 1'-0" hole at pinned hinged or fixed end of girder, unless shown otherwise.*
- ⑥ *2" dia. hole through girder web for 2- #6 x 5'-0" bars, unless shown otherwise on detail plans. Adjust "U5" stirrups to avoid insert or hole locations.*

Section	"HS"
DBT38 UHPC	9"
DBT47 UHPC	1'-4"
DBT55 UHPC	2'-0"
DBT62 UHPC	2'-7"

Adjust holes vertically to avoid conflict with harped strand.



NOTE:
BAR "C" dimensions are based on top flange with 0% slope.
For top flange with a slope, adjust the dimensions as required.

Accompanied by drawings DET3386, BR350

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 first consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION



**ENGINEERING AND
TECHNICAL SERVICES BRANCH**

DECK BULB-T GIRDER WITH UHPC CONNECTION

DETAIL NO.

ET3385