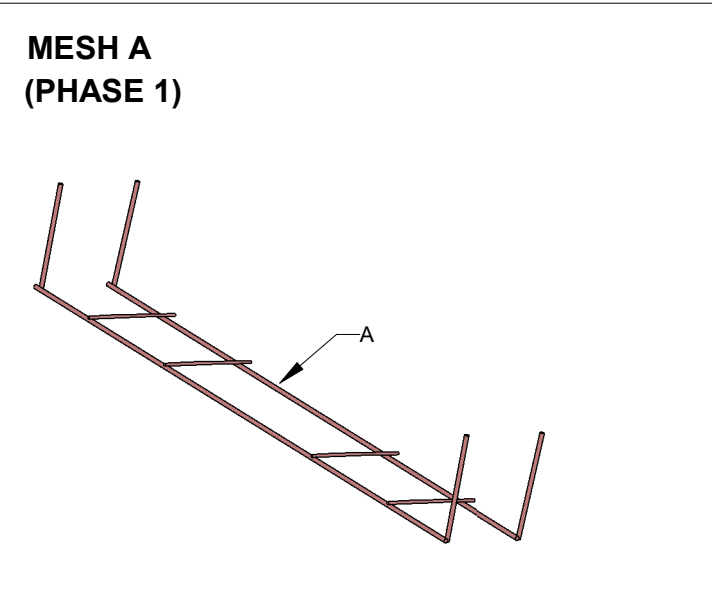
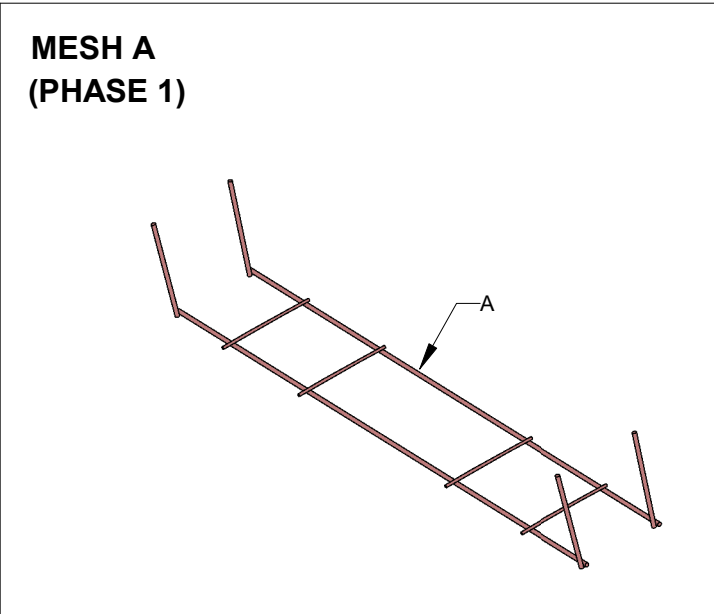
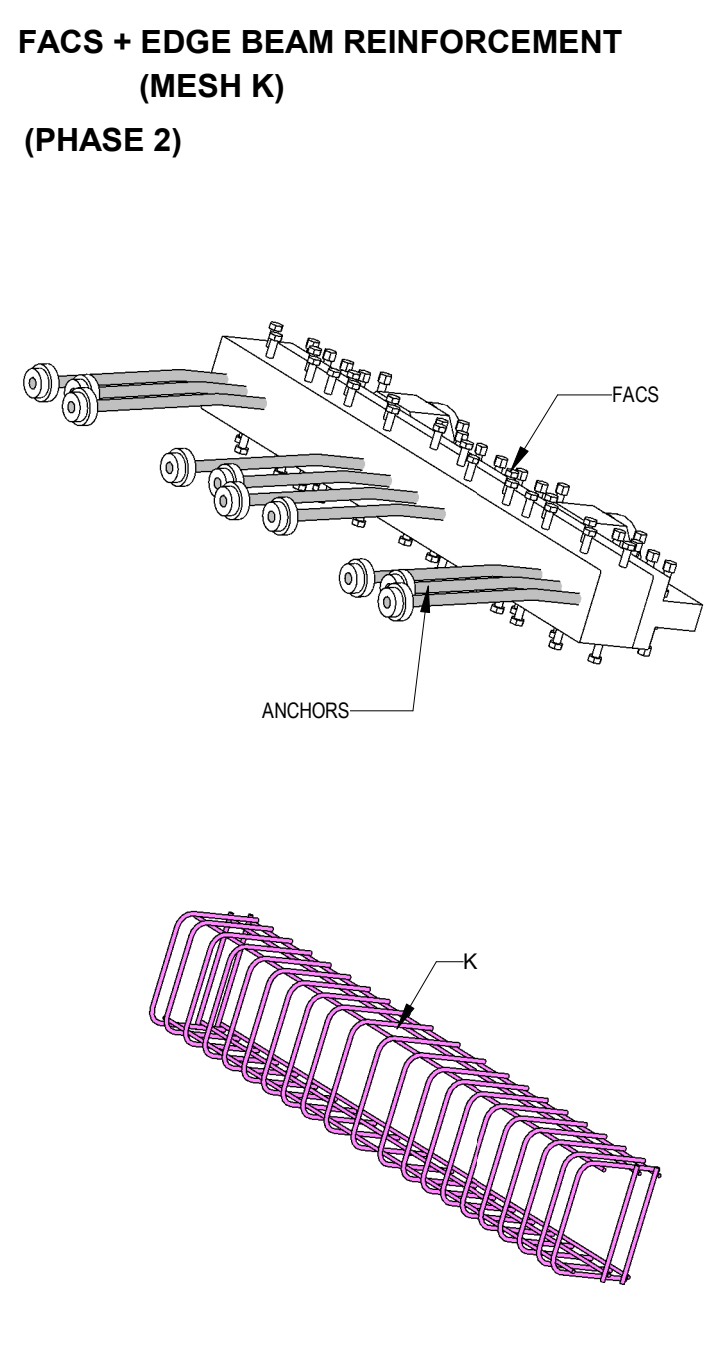
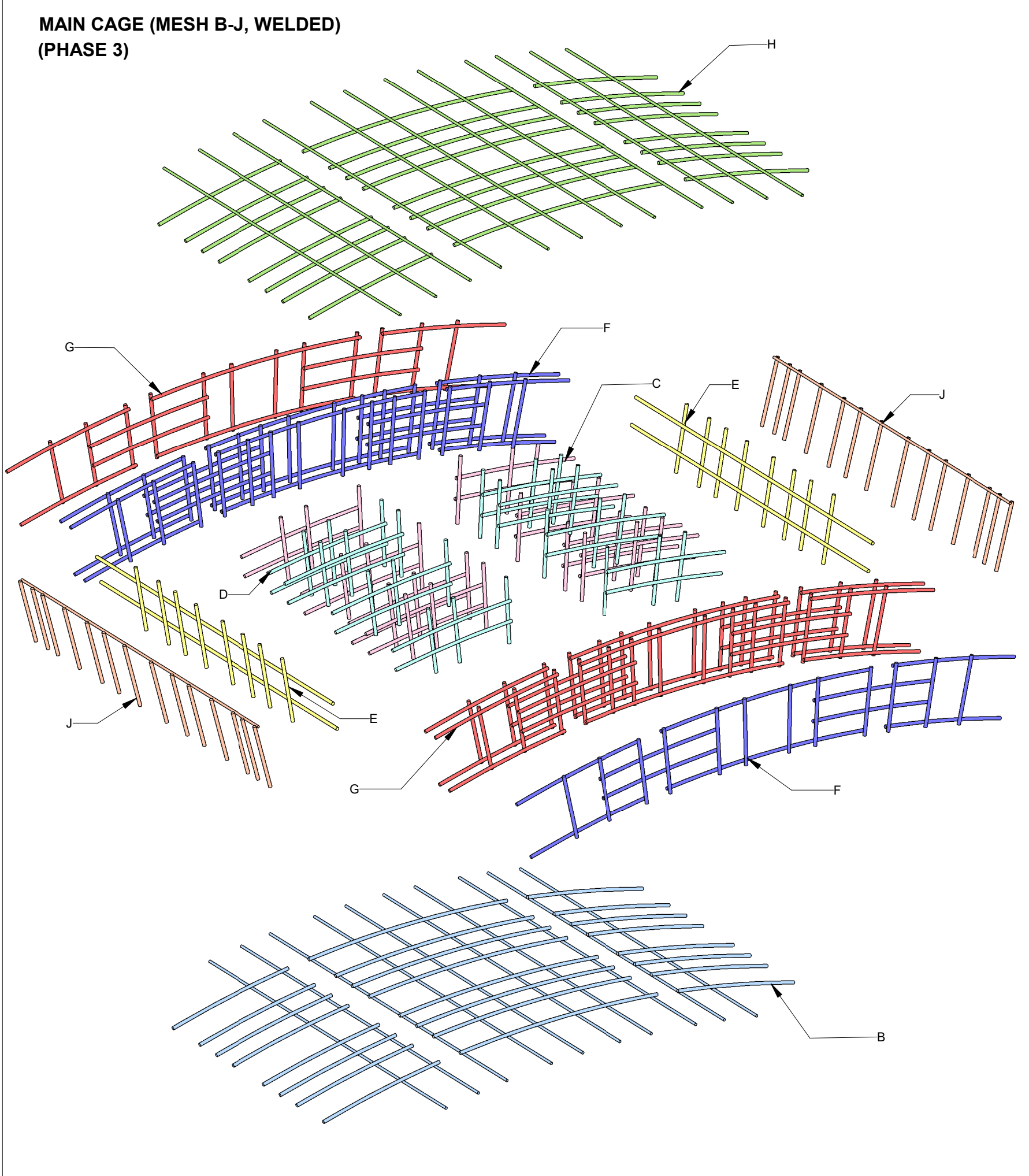
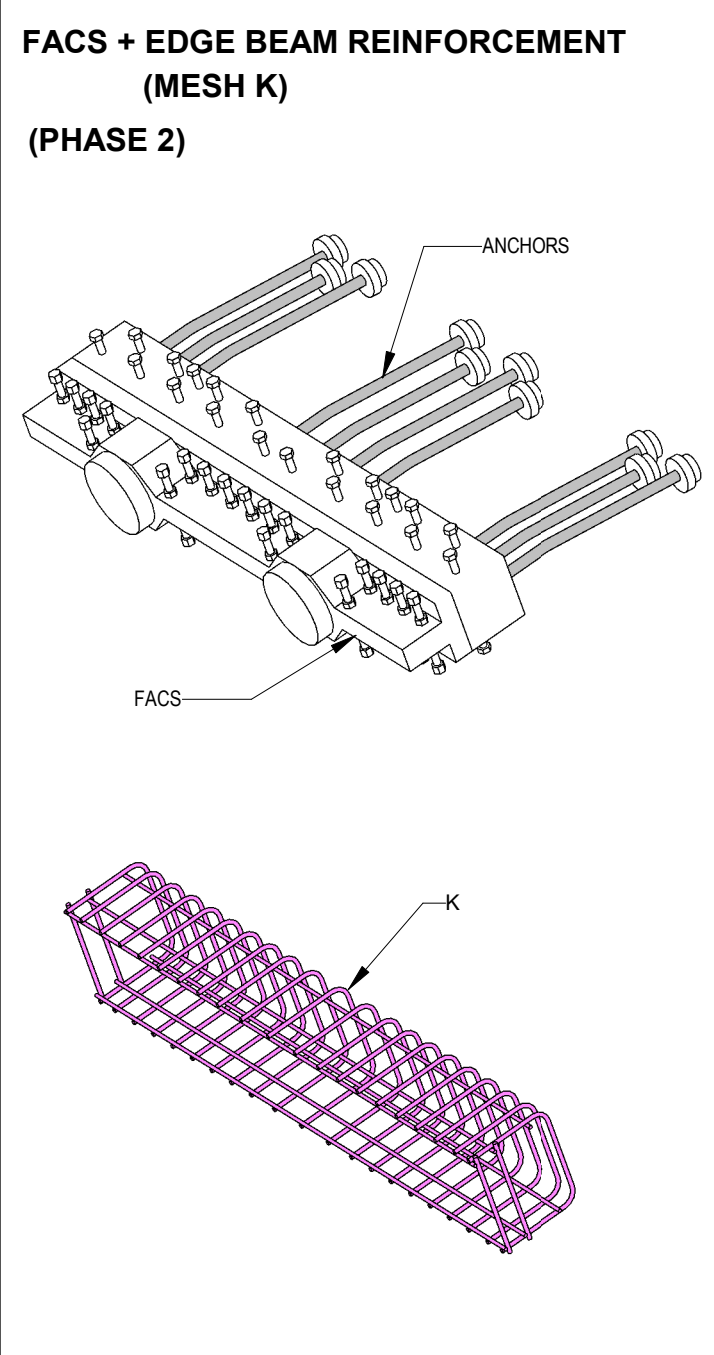
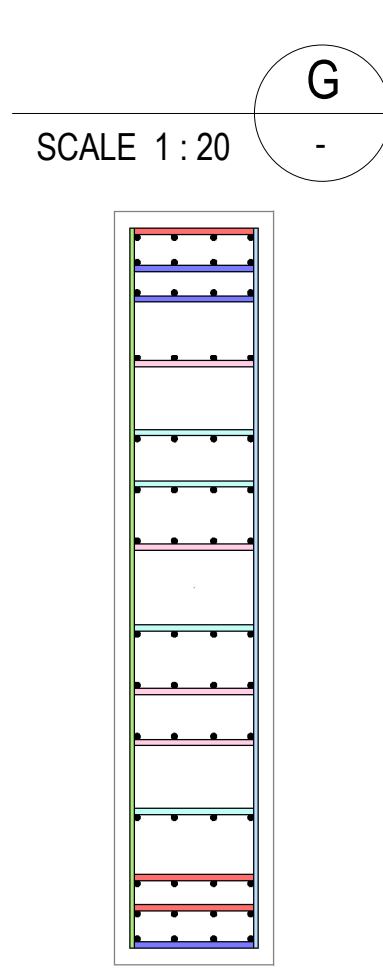
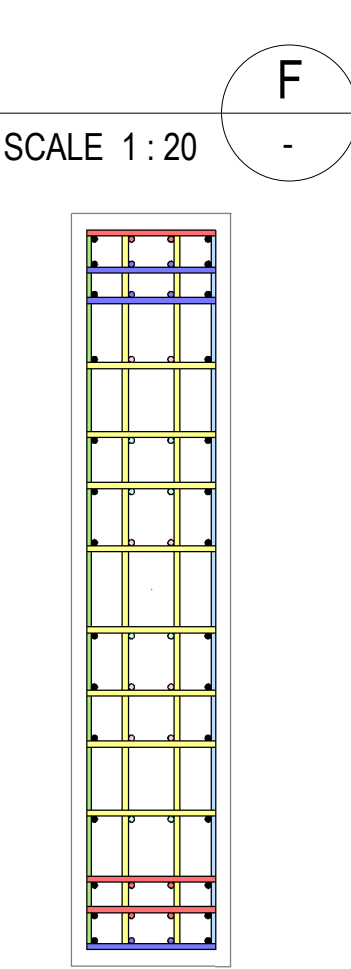
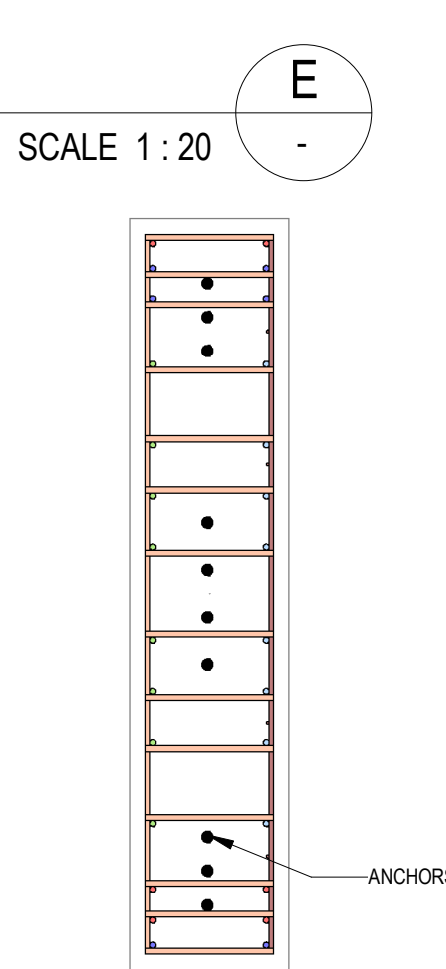
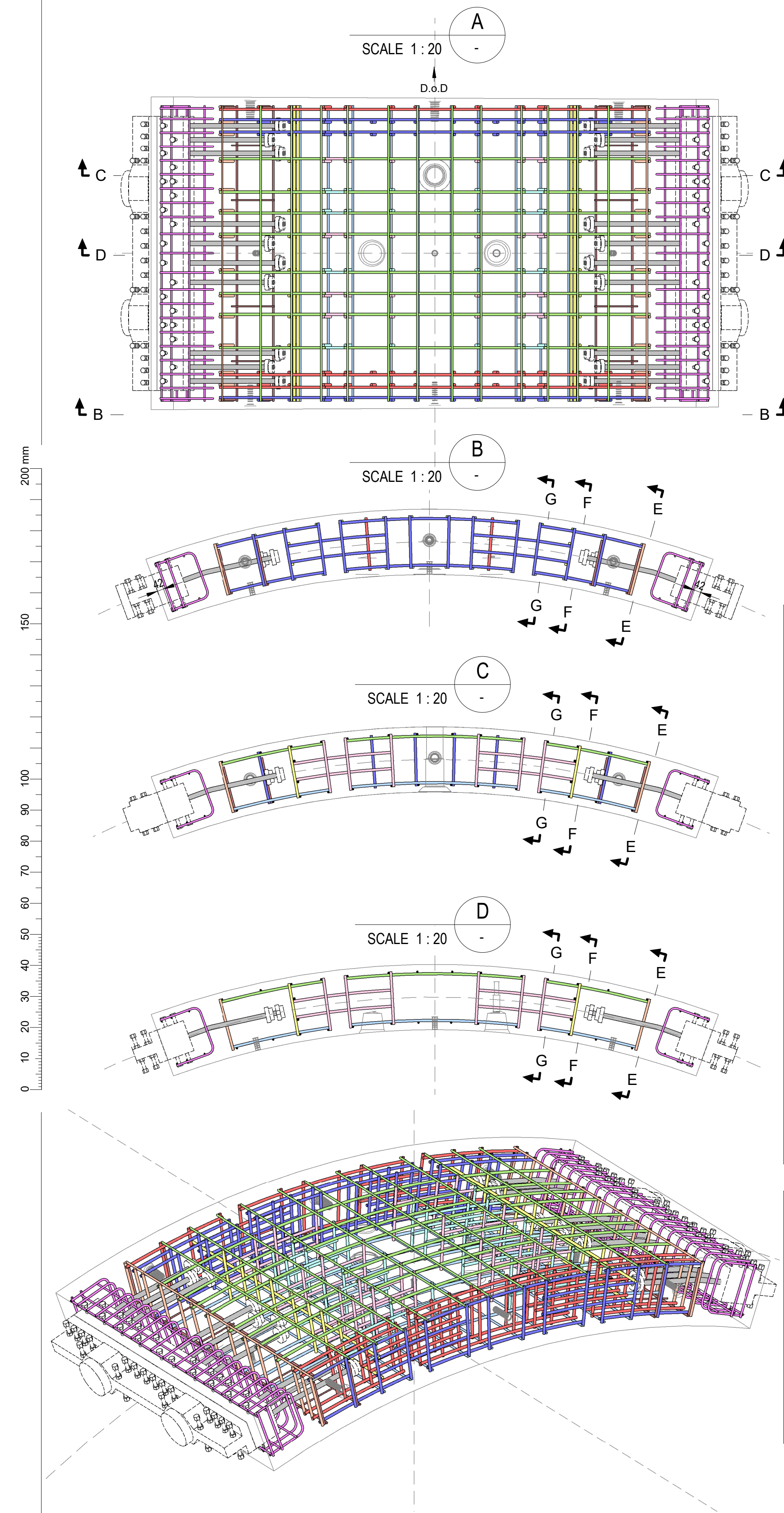


ASSEMBLY






Material specifications:

Reinforcing steel type = ribbed steel
Reinforcing steel grade = D500N
Minimum cover for reinforcement = 40 mm
Anchors head material = C40 or equivalent ($f_y > 350 \text{ N/mm}^2$)

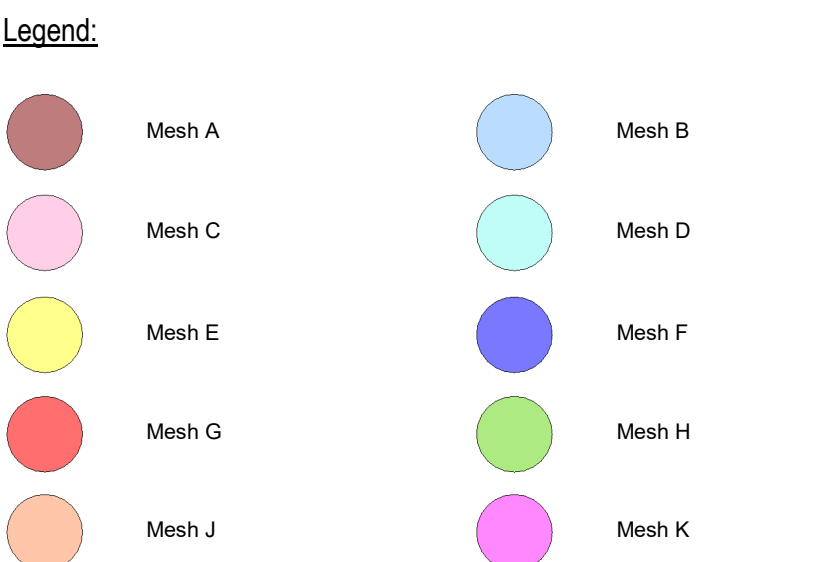
Welding instructions:

Welding to be dimensioned by manufacturer according to indicated shear factor.

Non load bearing  Tack welds to fix position of bars during handling, transport and pouring of concrete

Load bearing welds  welds with other meshes: $SF = 50$
 welds within the mesh: $SF = 75$

$F \geq SF \cdot A_s \cdot f_{yk}$
 $SF [\%]$ shear factor
 $A_s [\text{mm}^2]$ cross-section area of anchored bar
 $f_{yk} [\text{N/mm}^2]$ yield strength of reinforcing steel

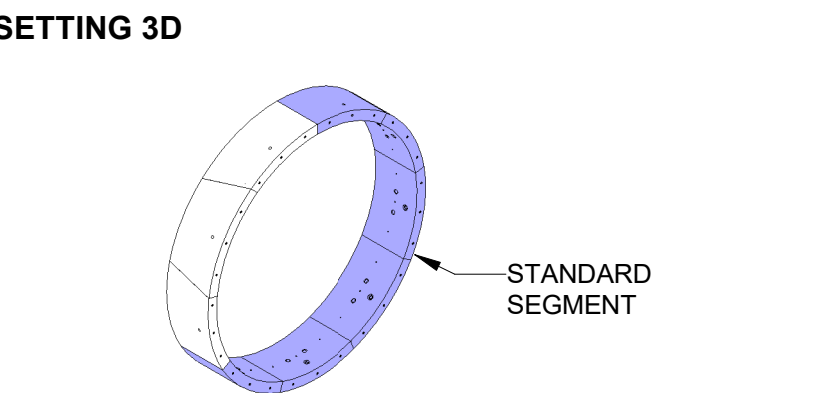
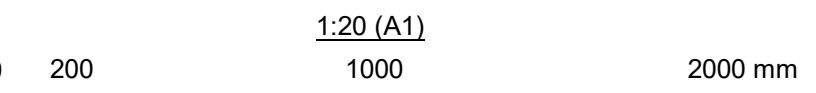


Notes

- The drawing refers to 'standard' segments B, C, D, E and F.
- All distances in mm unless otherwise indicated
- Bar diameters in mm
- The radius and the length of the curved bars refer to the center axis of the bar.
- In the drawings of the individual meshes, to simplify representation, only typical welds are shown as examples.

References

- Formwork drawing of segments
- Reinforcement drawings of segments
- Detailed design calculation report



ASSEMBLY SEQUENCE MAIN CAGE (WELDED)

- Mesh B
- 8 x mesh C + 8 x mesh D
- 2 x mesh E
- 3 x mesh F + 3 x mesh G
- Mesh H
- 2 x mesh J

REINFORCEMENT INSTALLATION SEQUENCE IN THE FORMWORK

Phase 1: install 2 x mesh A at the bottom of the formwork
Phase 2: install 2x FACS + anchors without plugs + edge beams reinforcement (mesh K)
Phase 3: Place the main cage (welded B-J meshes).
Phase 4: install anchor plugs

Assembly sequence for the female edge beam of the standard segment:
(1) place the edge beam reinforcement cage on the FACS; (2) tighten the shear connectors.

FOR REVIEW