



ABC Technical Manual

1. Color and Layers of drawings cannot be changed according to contractor requirements for productivity & error reduction reasons.

In case of pen assignment requirement, AABCO will update its own pen assignment only according to Contractor requirement.

2. Presentation of steel and concrete will not be changed (see samples attached)- Any crank in bars will not be drawn as so on the drawing, it will be clearly shown in the BBS and in the shape drawn near the bar.

3. Steel shop drawing of slab will be drawn as follows:

- Plan view scale 1/100.
- Sections Scale 1/25.
- Details scale 1/25 or 1/50.
- We provide separate plans for reinforcement layers B1, B2, T1, T2 and additional.
- No beams or columns marks are shown on the steel background

4. Steel shop drawing of footings will be drawn as follows:

- Plan view scale 1/50.
- Sections Scale 1/25.

5. Steel shop drawing of beams will be drawn as follows:

- Cross section scale 1/20.
- Beam elevation scale 1/50
 - Each beam will have one elevation and a number of sections according to the distribution of steel.
 - No top view to be provided except in case of a top view opening exists inside the beam.
 - Steel of cross beams will not be shown on the beam elevation or cross section.
 - Slab reinforcement will not be shown on beam cross section.

6. Steel shop drawing of columns will be drawn as follows:

- Section scale 1/25.
- Elevation scale 1/50.

7. Steel shop drawing of Walls will be drawn as follows:

- For retaining wall:
 - Plan scale: 1/100 for wall thickness equal or greater than 300mm and 1/50 for wall thickness smaller than 300mm.
 - Vertical cross section scale 1/50.
 - Elevation scale 1/50 (elevation to be provided for retaining walls with opening).



- For other walls:
 - Plan view scale 1/25.
 - Elevation scale 1/50.
 - One elevation will be provided for each wall that has an opening.
 - Special reinforcement details will not be shown on the same elevation or section together with main wall reinforcement. Separate views will be produced for that purpose.
- 8. Steel shop drawing of stairs will be drawn as follows:
 - Plan view scale 1/50.
 - Sections Scale 1/50.
- 9. Steel shop drawing of ramps will be drawn as follows:
 - Plan view scale 1/50.