

Prerequisites to run CALC55:

1. Study Part File Curve Tags

Required input lines/curves should be tagged manually by name as below.

- In main view centrelines should be tagged by name 'P1_VE_AXIS_STUDIO'.
- All Flange line should be grouped together and tagged by name FLNG_GRP_001/
FLNG_GRP_002.
- All Reference section line (A8) should be grouped and tagged by name A8_GRP_001/
A8_GRP_002.
- Axis of the nozzle and Radial line should be Tangential.

Prt File Should contains the tag for Portion1:

1. "P1S + 1 (No of Sec in phase 1) + E + 3 (No of stages in phase 1) +
_VE_STATOR_PATH_SHROUD2" [P1S1E3_VE_STATOR_PATH_SHROUD2]
2. "P1S + 1 (No of Sec in phase 1) + E + 3 (No of stages in phase 1) +
_VE_STATOR_PATH_HUB2" [P1S1E3_VE_STATOR_PATH_HUB2]
3. "P1_VE_AXIS_STUDIO"
4. "A8_AREA_GRP_001" [Group Tag]

Discharge Nozzle Side View tag for Portion1:

1. "FLNG_GRP_EXIT_001" [Group Tag]
2. "COMP_CENT_001"
3. "A8_POS_001"

Prt File Should contains the tag for Portion2:

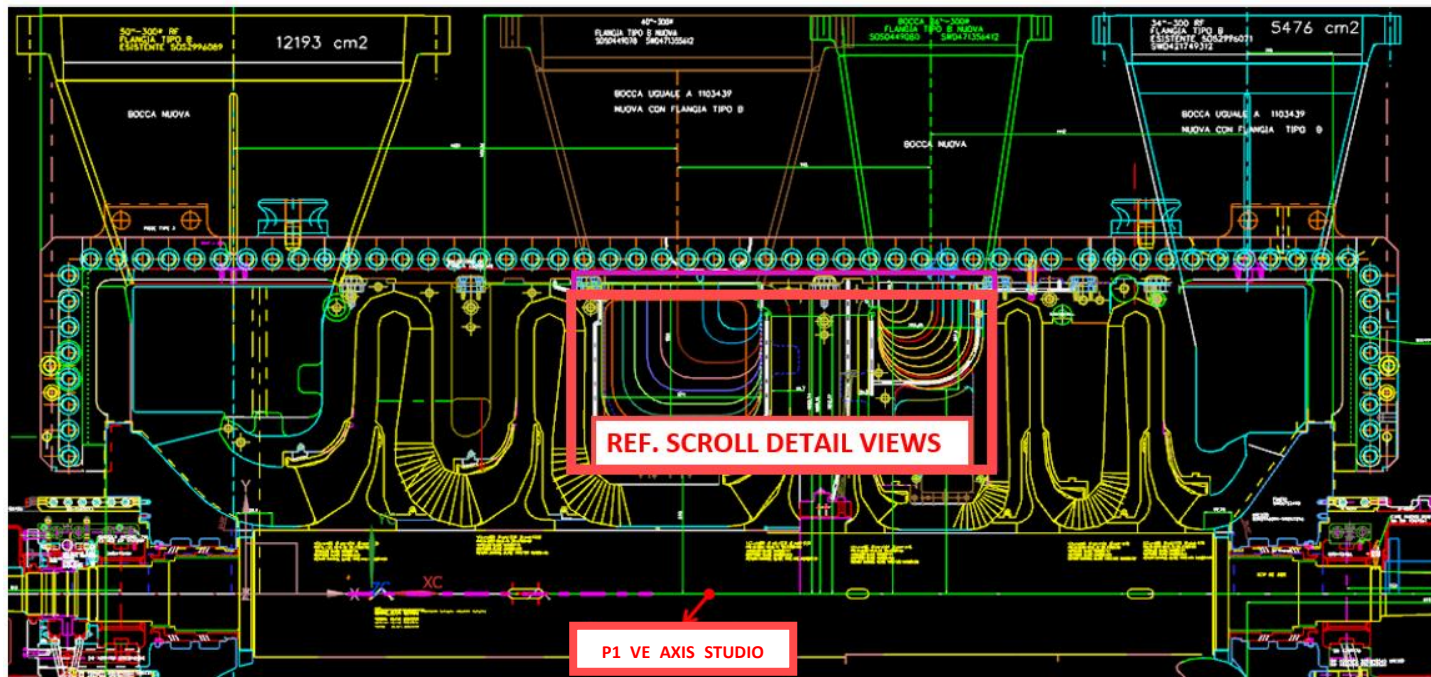
1. "P2S + 1 (No of Sec in phase 1) + E + 3 (No of stages in phase 1) +
_VE_STATOR_PATH_SHROUD2" [P2S1E3_VE_STATOR_PATH_SHROUD2]
2. "P2S + 1 (No of Sec in phase 1) + E + 3 (No of stages in phase 1) +
_VE_STATOR_PATH_HUB2" [P2S1E3_VE_STATOR_PATH_HUB2]
3. "P1_VE_AXIS_STUDIO"
4. "A8_AREA_GRP_002" [Group Tag]

Discharge Nozzle Side View tag for Portion2:

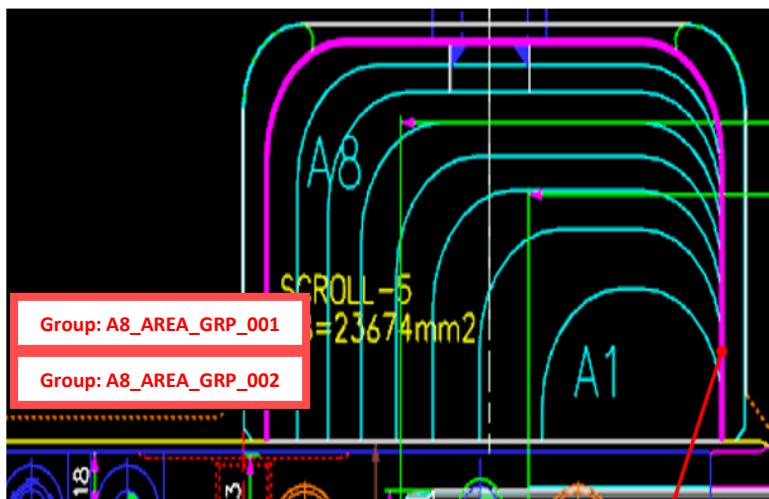
1. "FLNG_GRP_EXIT_002" [Group Tag]
2. "COMP_CENT_002"
3. "A8_POS_002"

Scroll Collector Type: If the scroll is collector "A8_AREA_GRP_001" group should contains only one curve. It should be approx. max length of ARC. Refer Image for detailed information.

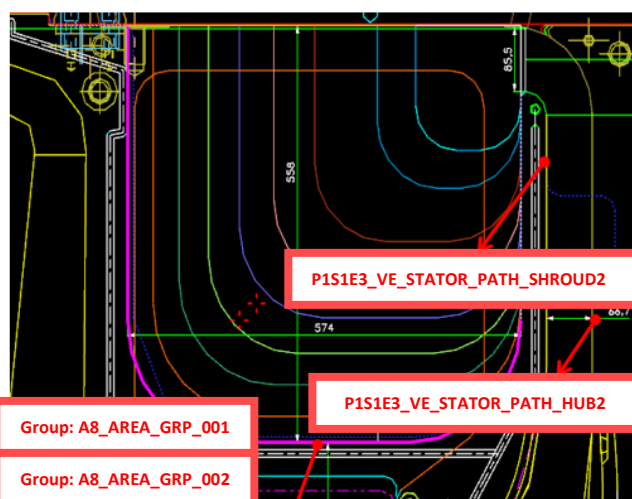
MAIN VIEW



SCROLL DETAIL VIEW FOR EXTERNAL SCROLL

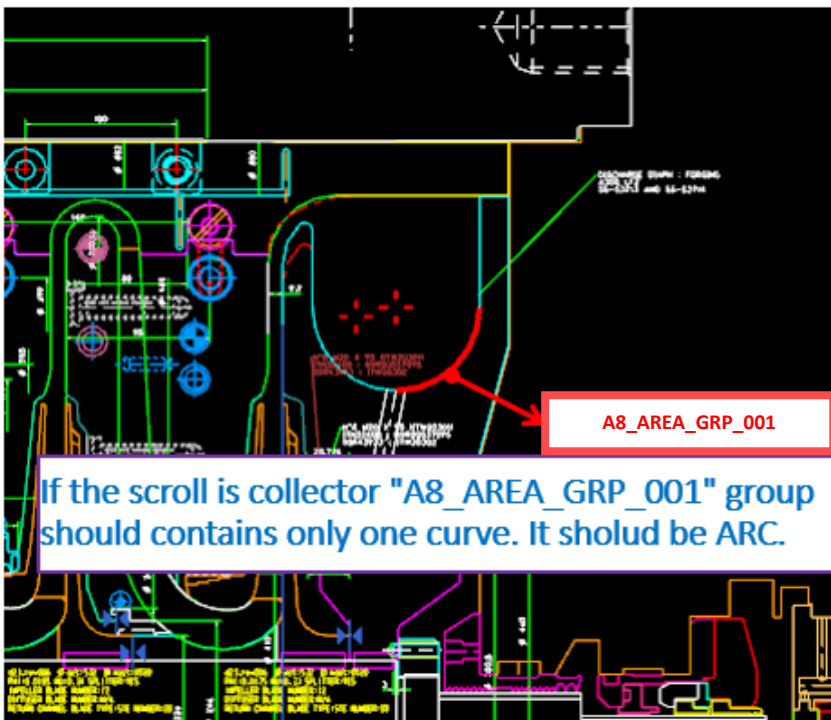


SCROLL DETAIL VIEW FOR INTERNAL SCROLL

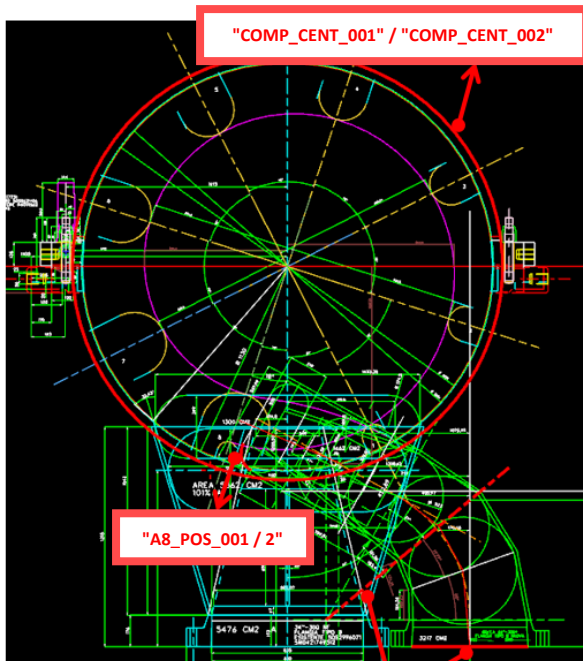


Grouped curves should contains MIN 'X' MAX 'X' MIN 'Y' MAX 'Y'

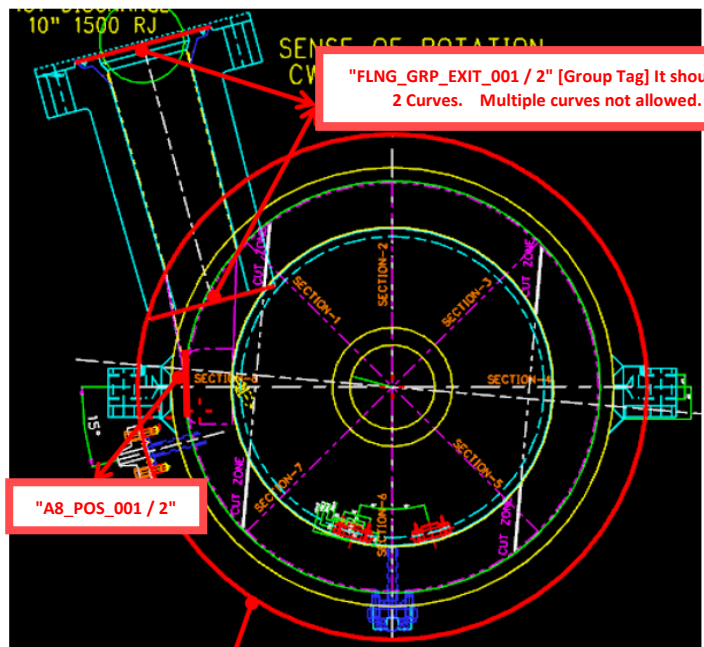
FOR SCROLL WITH COLLECTOR TYPE



DISCHARGE NOZZLE SIDE VIEW



"FLNG_GRP_EXIT_001 / 2" [Group Tag] It should be 2 Curves. Multiple curves not allowed.



"COMP_CENT_001" / "COMP_CENT_002"