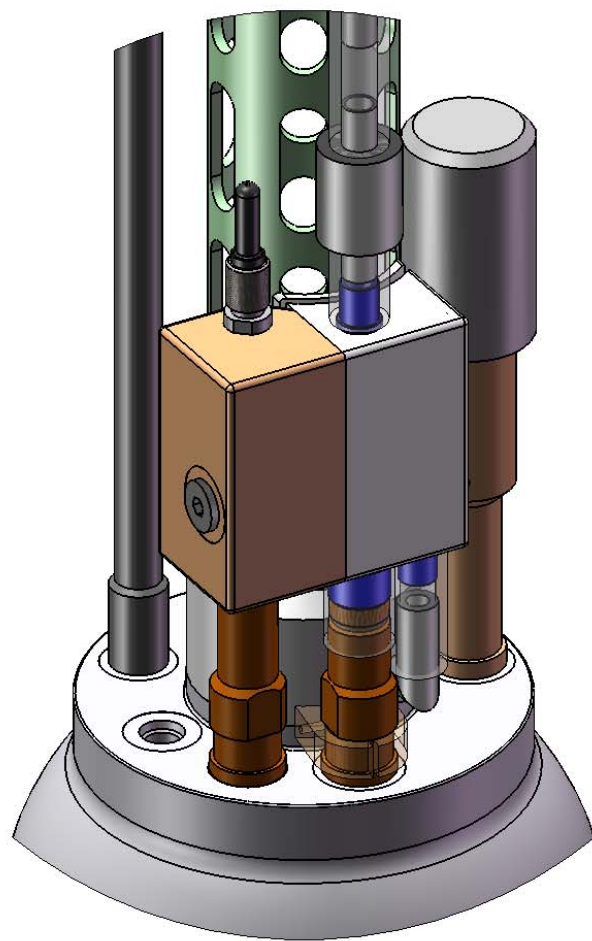
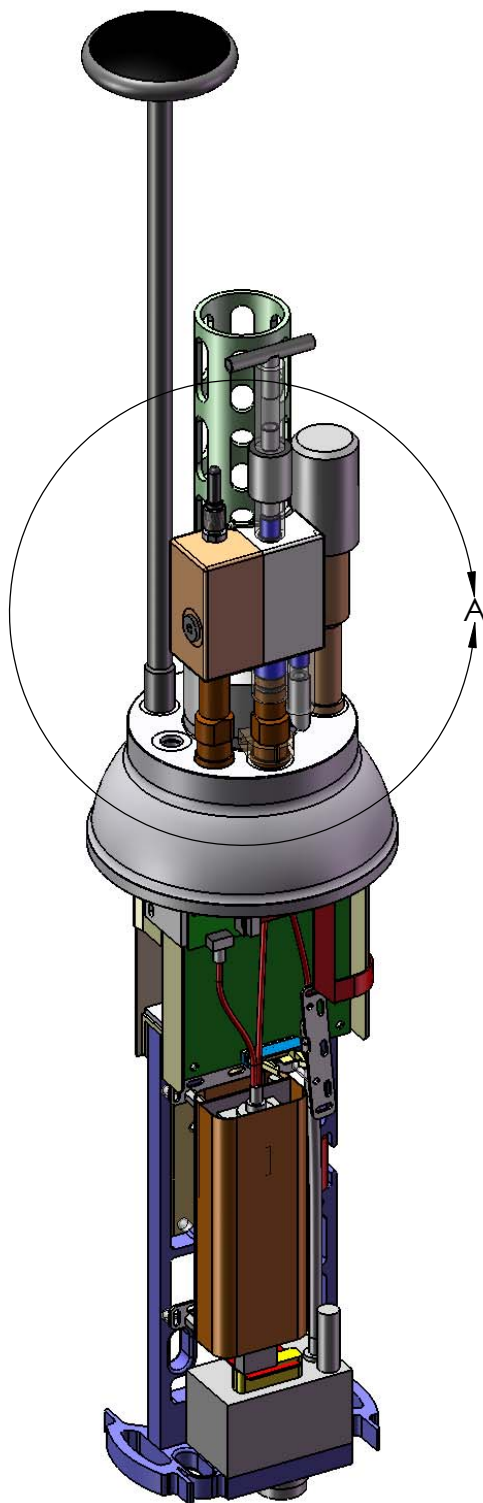
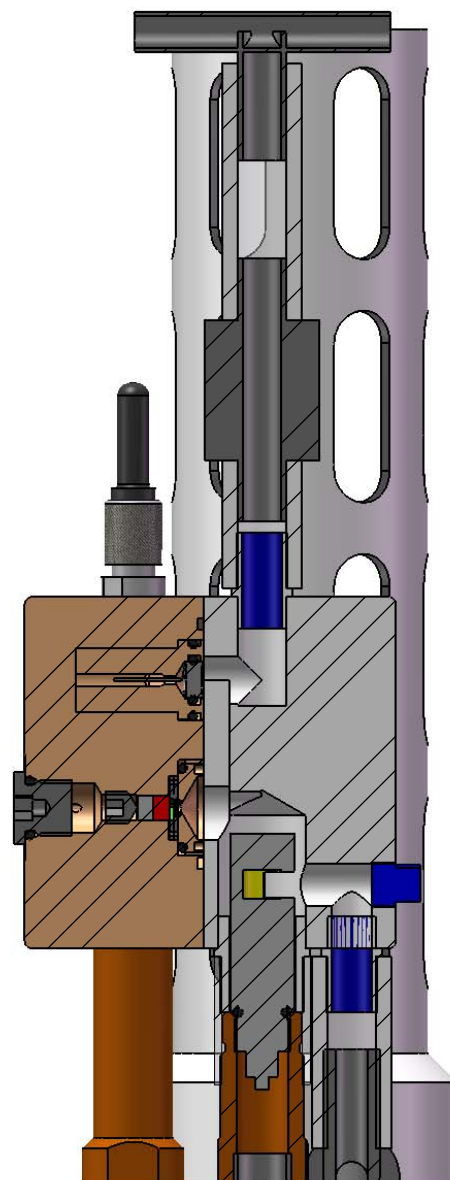
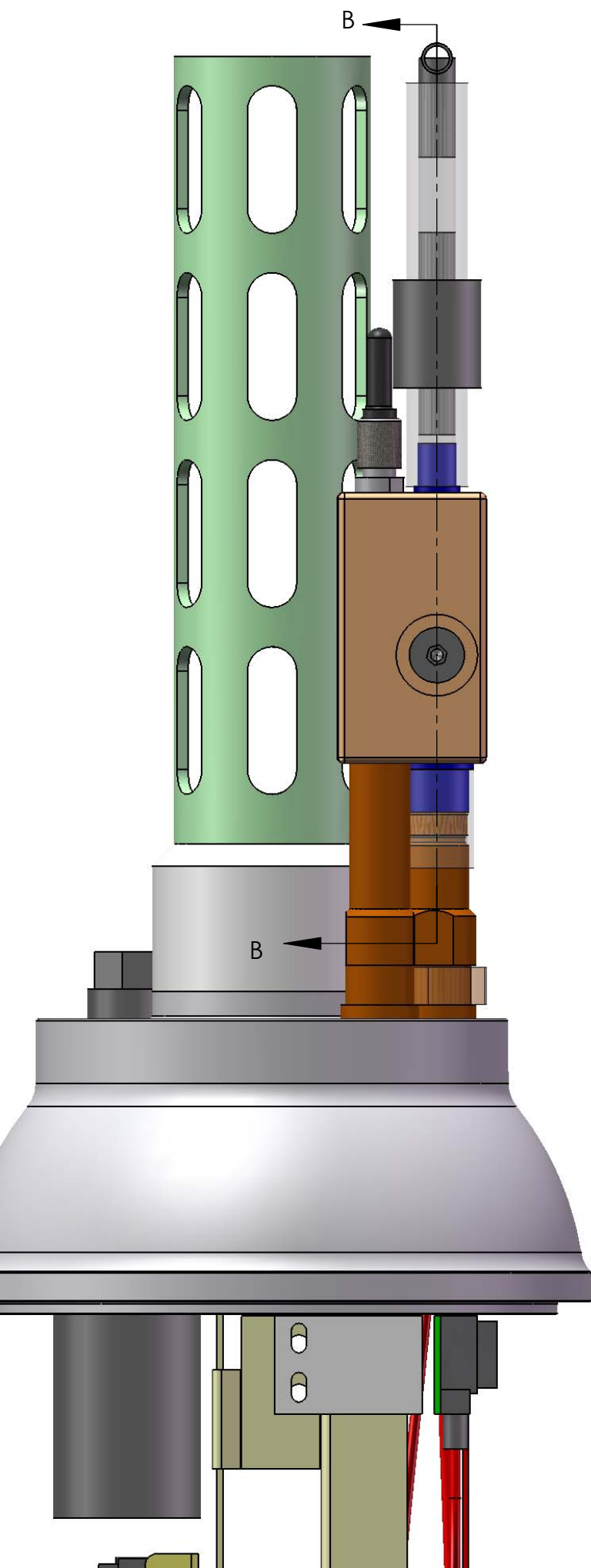




DETAIL A
SCALE 1 : 2

APEX+ISUS+pH Concept
(Equitech, DuraFET and AgCl)

Hans Jannasch/MBARI
2/20/09; Concept 1.0



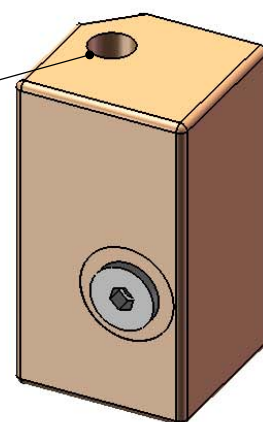
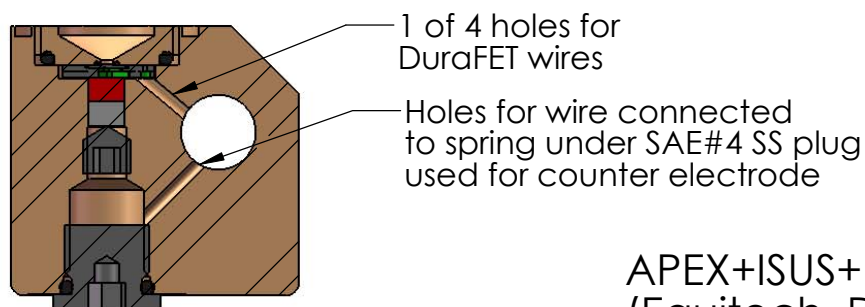
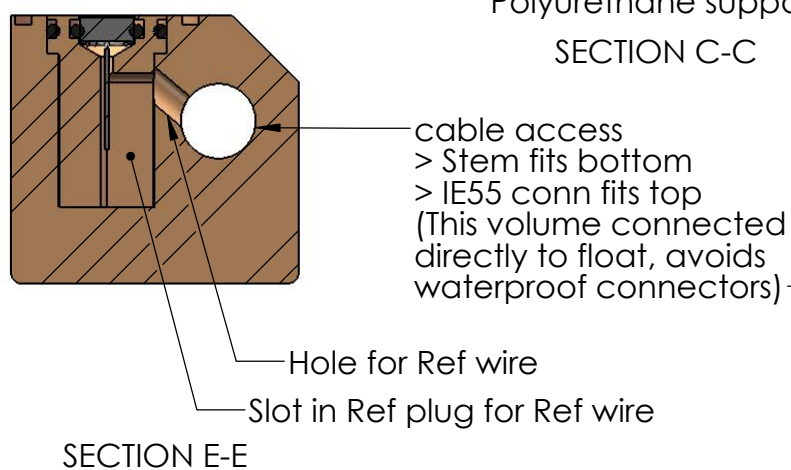
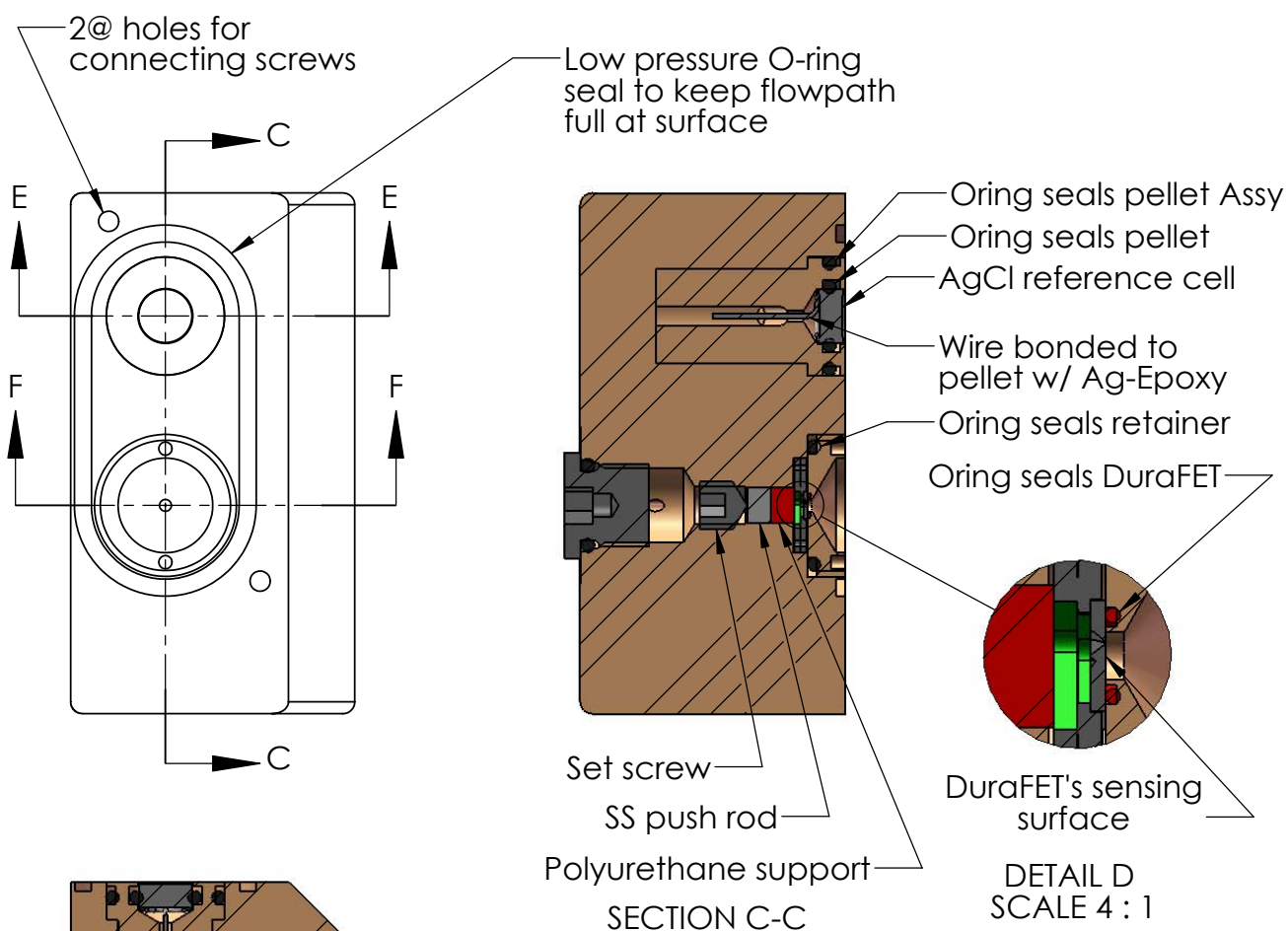
SECTION B-B
SCALE 1 : 1.5

Sectional view of flow path

- 1) pH is in flowstream
- 2) Both pH and Ref cell are sideways to avoid sediment and bubbles
- 3) Flow stream aimed at pH chip
- 4) SS plug acts as counter electrode
- 5) Connections are through stem on existing comm port hole.

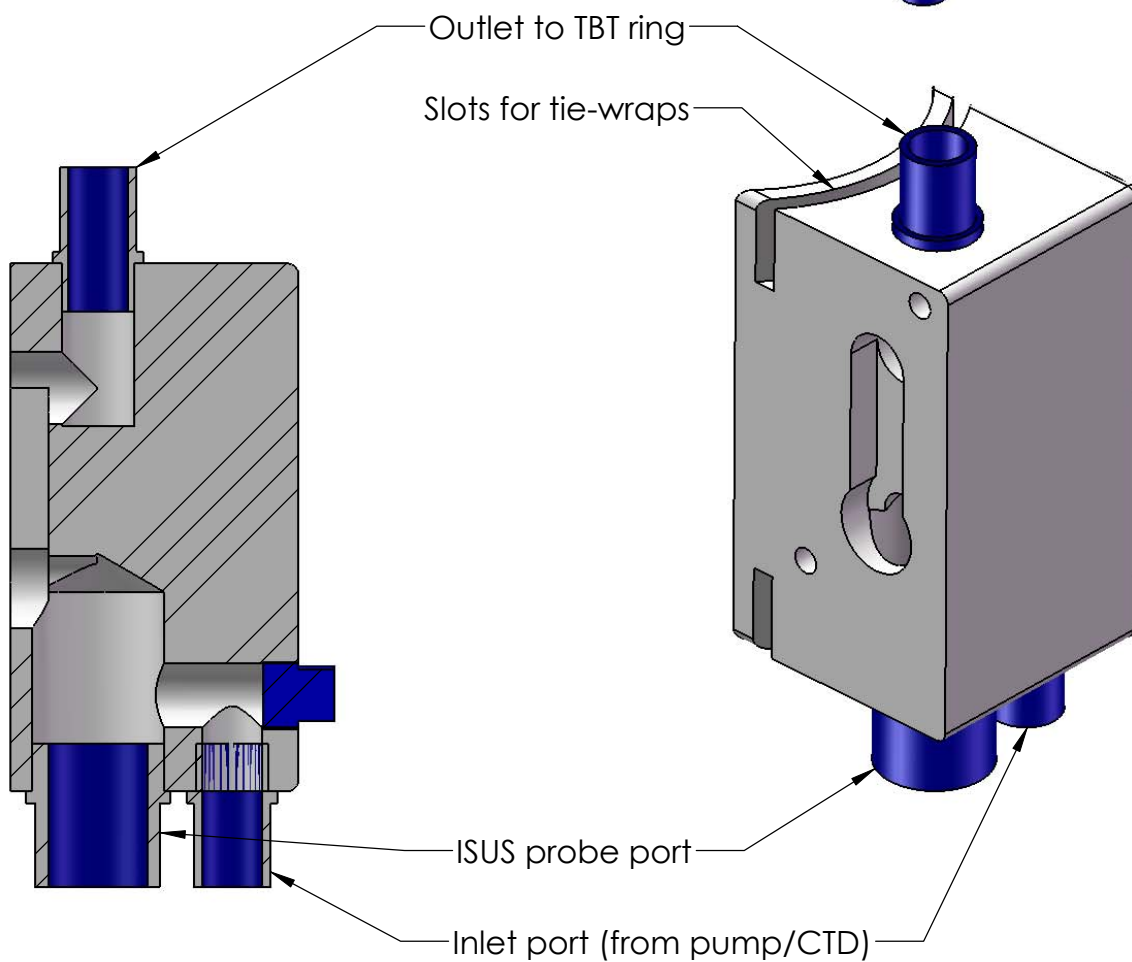
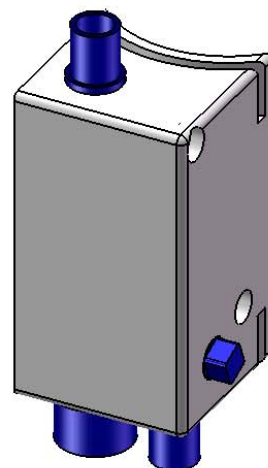
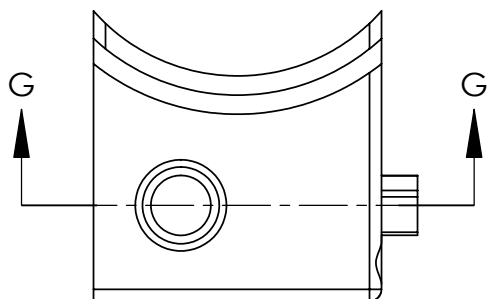
APEX+ISUS+pH Concept
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Hans Jannasch/MBARI
2/20/09; Concept 1.0



APEX+ISUS+pH Concept
(Equitech, DuraFET and AgCl)

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2/20/09; Concept 1.0



SECTION G-G
SCALE 1 : 1

APEX+ISUS+pH Concept
(Equitech, DuraFET and AgCl)

Hans Jannasch/MBARI
2/20/09; Concept 1.0