Engineering Drawings 8/30/2014

| DWG # | PartName | Rev # | Description | Revision Description |
|---|---|---|---|---|
| AZHF000 | Concept Drawing | A | 2D outline of heat flow | Initial Design |
| AZHF001 | HECPlate | A | Copper absorber plates | Initial Design |
| AZHF002 | TieBar | A | Copper bars connecting plates | Initial Design |
| AZHF003 | TieBarHalf | A | Copper bars for end uniformity | Initial Design |
| AZHF004 | SquareWasherPlate | A | Stainless Steel washers to protect tie bars | Initial Design |
| AZHF005_revB | TopBracketMain | B | Bracket to hold absorbers in place | Dimesion Changes |
| AZHF006_revB | TopBracketEnd | B | End bracket to hold absorbers in place | Dimesion Changes |
| ~~AZHF007~~ | EdgeSupportLeft | A | Left mockup wall - No longer in design | Initial Design |
| ~~AZHF008~~ | EdgeSupportRigt | A | Right side mockup wall - No longer in design | Initial Design |
| AZHF007_revB | EdgeSupportSide | B | Replaces Left and Right side mockup wall | Dimesion Changes/Bolt Circle |
| ~~AZHF009~~ | EdgeSupportShort | A | Remaining 2 walls of mockup - No longer in design | Initial Design |
| AZHF009_revB | EdgeSupportEnd | B | Replaces EdgeSupportShort drawing | Dimension Changes/Bolt Circle |
| AZHF010_revB | AluminumPlate | B | 8mm plate representing Fcal support tube | Dimesion Changes/Wire Channels added/Bolt holes added |
| AZHF011_revB | MiddleInsulator | B | Used to calculate heat flux | Dimesion Changes/Wire Channels removed/Bolt holes added |
| AZHF012_revB | BottomInsulator | B | Reduces heat leak to main LAr volume | Dimesion Changes/Wire Channels removed/Bolt holes added |
| AZHF013_revC | HangerLeft | C | Left side for hanging mockup from top plate | Dimension Changes |
| AZHF014_revC | HangerRight | C | Right side for hanging mockup from top plate | Dimension Changes |
| AZHF015_revC | SuspensionBar | C | Attaches to top plate to keep hangers spaced correctly | Redesign to fit CERN cryostat |
| AZHF016_revC | HangerBracket | C | Connects suspension bar to hangers | Holes changed to slots |
| AZHF017_revC | HangerAssembly | C | Machining layout for suspension bar and brackets | Redesign to fit CERN cryostat, Quantity change |
| AZHF018_revB | RotationRod | B | Rod connecting rack gear through top plate for rotation of mockup | Dimension Changes |
| ~~AZHF019~~ | RackGear | | Cut rack gear to length and provide thread for rod- Ordered with needed specs | |
| AZHF020 | TieBarHalfKapton | A | Threaded hole added to 10 TieBarHalf pieces to fix Kapton Foil in place | Initial Design |
| AZHF021 | TieBarKapton | A | Threaded hole added to 5 TieBar pieces to fix Kapton Foil in place | Initial Design |
| AZHF022_revB | MiddleConductorPlate | A | Copper conductor plate to smooth out heating | Changed material and added wire channels |
| AZHF023 | HeatBedThreadedRod | A | G-10 threaded rod to connect heating assembly | Initial Design |
| AZHF024 | Clamp_SideA | A | Side A to liquid level clamp | Initial Design |
| AZHF025 | Clamp_SideB | A | Side B to liquid level clamp | Initial Design |
| AZHF026 | InsulatorPlate | A | Insulator plate to mount liquid level and clamp | Initial Design |
| AZHF027 | StopperBlock | A | Lower stop for rotation | Initial Design |
| AZHF028 | PullRodOffset | A | Offsets pull rod 24mm and converts from 5mm to 10mm rod | Initial Design |
| AZHF029 | PushRodHandle | A | Handle for push/pull rod | Initial Design |
| AZHF030 | 5mmPullRod | A | 5mm section of pull rod w/threads for attaching to rack gear | Initial Design |
| AZHF031 | 10mmPullRodBottom | A | Lower section of 10mm rod, attaches to Offset | Initial Design |
| AZHF032 | 10mmPullRodTop | A | Upper section of 10mm rod, reaches out of cryostat | Initial Design |
| AZHF033 | PushRodLock | A | Lock to hold push rod in place and keep module from rotating | Initial Design |
| AZHF034 | WireCover | B | Wire cover to protect HEC plate temperature probe wires | Added Dimensions |
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| HeatFlow001 | | | 3D concept drawings of mockup assembly | Initial Design |
| HeatFlow001_revB | | | 3D concept drawings of mockup assembly | Updated components/added views |