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| IO | US | REVISION HISTORY | | CUI//SP-EXPT | NOTES: | | | | | | | | | |
| INDEX | DATE | DESIGNER | DESCRIPTION | Symbols Legend : ITER_D_432TTL - ITER Symbol Legend Specification for Cabling Diagrams (https://user.iter.org/?uid=432TTL) | | | | | | | | | | |
| A | UP | 05/08/2010 | CYPRESN | Creation of Cabling | | | | | | | | | | |
| UP | 01/02/2011 | CYPRESN | Add of Thermocouples and other updates | | | | | | | | | | | |
| UP | 25/04/2012 | CYPRESN | Update of TTT Codes, PBS, and Symbols | | | | | | | | | | | |
| UP | 02/05/2012 | CYPRESN | Short Update and naming of Cubicles | | | | | | | | | | | |
| UP | 28/05/2018 | J. FERREOL | Update according SLD and CCL | | | | | | | | | | | |
| B | 1.0 | 04/10/2019 | G. GENOVESE | Update for PCR-m396 closure. | | | | | | | | | | |
| 1.1 | 07/11/2019 | G. GENOVESE | Shielded cabinet for pilot air valves 55NEX0-CR-3145 | Changed to 55GAD0-CR-3145 | | | | | | | | | | |
| 1.2 | 16/09/2020 | G. PADULA | Replaced 55NEX0-CU-2501 with 55GAD0-CU-2501 | | | | | | | | | | | |
| 2.0 | 25/07/2023 | A. TARTAGLIONE | Major rework | | | | | | | | | | | |
| 3.0 | 1.0 | 22/08/2024 | A. ARNOLD | Major update to the Preliminary Design | | | | | | | | | | |
| 3.1 | 1.1 | 09/12/2024 | G. PADULA | Update of cables, components and connections for PDR design. | | | | | | | | | | |
| C | | | | | | | | | | | | | | |
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| PRELIMINARY FOR INFORMATION NOT FOR CONSTRUCTION | | | | | | | | | | | | | | |
| EXPORT CONTROL WARNING This document contains technical data whose export is Restricted by US law or regulation. Release of these documents is only authorized for use of the ITER Organization for distribution between and among duly ratified member nations and their technical representatives for the development of fusion energy for peaceful purposes, as defined under license 01146740 as EAR99. | | | | | | | | | | | | | | |
| | | | | Key to codes: ATC = Actuator for VC Regulating Valve ATG = Actuator for VG General On/Off Valve BJ = Box, Junction or Terminal BP = Board, Distribution Panel CNP = Central I&C Network Panel CR = Cabinet, Box CU = Cubicle EFT = Electrical Feed through GM = Motor (General) HT = Electrical heater MFE = (Measurement) Flow Element MPE = (Measurement) Pressure Element MPH = Pressure Switch (High Value) MTD = (Measurement) Differential Temperature MTE = (Measurement) Temperature Element, Typically thermocouple or RTD MZH = (Measurement) Position open limit switch MZH = (Measurement) Position closed limit switch PL = Pump, liquid VC = Valve, control VG = Valve, general WMM = Mirror Element | | | | | | | | | | |
| LEGEND | | | | THC – Thermocouples MC – Coaxial Cables for Mirror Cleaning SWS – Limit Switches GM – Motors ACT – Actuators SM Fiber – Single Mode Fibers PVB – Pneumatic Valve Box | | | | | | | | | | |
| | | | | RD – RF Control Digital RP – RF Power CSO – Calibration Sources Power VM – Voltage Measurement for CSO CSO Control – Control Cables for CSO CAM Power – Power Cables for Camera | | | | | | | | | | |
| | | | | MP – Pressure Measurements MMB "X" – Mirror Module in Bay "X" FMU – Fist Mirror Unit IOT – Intermediate Optic Tube BOL – Bioshield Optical Labyrinth BEOC – Back End Optics & Camera | | | | | | | | | | |
| CABLES NUMBERING SYSTEM | | | | Series 1100/1200/1400/1500/1600/1700: cables in PP Series 1000: cables from PP to PBS44/55 JBs Series 2000: cables from ISS to PBS44/55 JBs Series 2100: cables in IOT Series 2200: cables in BOL | | | | | | | | | | |
| | | | | Series 3000: cables from PCSS to PBS44/55 JBs Series 3100/3200/3300: cables in BEOC Series 5100: cables from B11 (PP&ISS) to B74 Series 5200: cables from B11 (PCSS) to B74 | | | | | | | | | | |
| NOTE 1: the cables "EZ0110LN" used for the MC will be updated to be radiation resistant as soon as the compliant cable is selected and part number "EZ0110LR" available in SSD database. | | | | | | | | | | | | | | |
| References : - 55-GA-D0 IR Cameras: Vis/IR TV (Upper) UPP14 SL : RY67QS - 55-GA-D0 IR Cameras: Vis/IR TV (Upper) UPP14 PFD : FAABY4 - 55-GA-D0 IR Cameras: Vis/IR TV (Upper) UPP14 PID : PHUE63 | | | | | | | | | | | | | | |
| DESIGN AGENCY: USDA | | | | CREATED BY: G. PADULA | | | | | | | | | | |
| | | | | TECHNICAL REFERENCE: M. SMITH | | | | | | | | | | |
| | | | | APPROVER: R. BHATIA | | | | | | | | | | |
| | | | | DATE: 09/12/2024 | | | | | | | | | | |
| | | | | DIAGRAM TITLE: WIDE ANGLE VIEWING SYSTEM (WAVS) Cabling UPPER PORT #14 US_ITER_55GAD0_CBD_001.vsd | | | | | | | | | | |
| | | | | PBS TITLE: Vis/IR Up#D | | | | | | | | | | |
| | | | | DOCUMENT TYPE: Cabling SAFETY CLASS: Non-SIC QUALITY CLASS: QC1 DATE OF ISSUE: 09/12/2024 DESIGN AGENCY DOCUMENT STATUS: Draft | | | | | | | | | | |
| | | | | Sheet Size: A3 PBS NODE: 55GAD0 IO REFERENCE: 3QSD6R EXTERNAL REFERENCE: 80456422 VERSION: 1.1 Sheet N°: 1/3 | | | | | | | | | | |
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