







	1	2	3	4	5	6	7	8
A	IO	US	REVISION HISTORY		NOTES: Symbols Legend : <i>ITER_D_432TTL - ITER Symbol Legend Specification for Cabling Diagrams</i> (https://user.iter.org/?uid=432TTL) <div><div>Symbol Key:</div><div> = Board, Distribution Panel</div><div> = Cubicle</div><div> = Junction Box</div><div> = Mirror</div><div> = Pump</div><div> = Rotary Motor</div></div> <div><div>Key to codes:</div><div>ATC = Actuator for VC Regulating Valve</div><div>ATG = Actuator for VG General On/Off Valve</div><div>BJ = Box, Junction or Terminal</div><div>BP = Board, Distribution Panel</div><div>CNP = Central I&C Network Panel</div><div>CR = Cabinet, Box</div><div>CU = Cubicle</div><div>EFT = Electrical Feed through</div><div>GM = Motor (General)</div><div>HT = Electrical heater</div><div>MFE = (Measurement) Flow Element</div><div>MPE = (Measurement) Pressure Element</div><div>MPH = Pressure Switch (High Value)</div><div>MTD = (Measurement) Differential Temperature</div><div>MTE = (Measurement) Temperature Element,</div><div>Typically thermocouple or RTD</div><div>MZH = (Measurement) Position open limit switch</div><div>MZL = (Measurement) Position closed limit switch</div><div>PL = Pump, liquid</div><div>VC = Valve, control</div><div>VG = Valve, general</div><div>WMM = Mirror Element</div></div>			

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 – First 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 JB's

Series 2000: cables from ISS to PBS44/55 JB's

Series 2100: cables in IOT

Series 2200: cables in BOL

Series 3000: cables from PCSS to PBS44/55 JB's

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 SLD : 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

PRELIMINARY

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DIAGRAM TITLE:

WIDE ANGLE VIEWING SYSTEM (WAVS) Cabling

UPPER PORT #14

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Vis/IR Up#D

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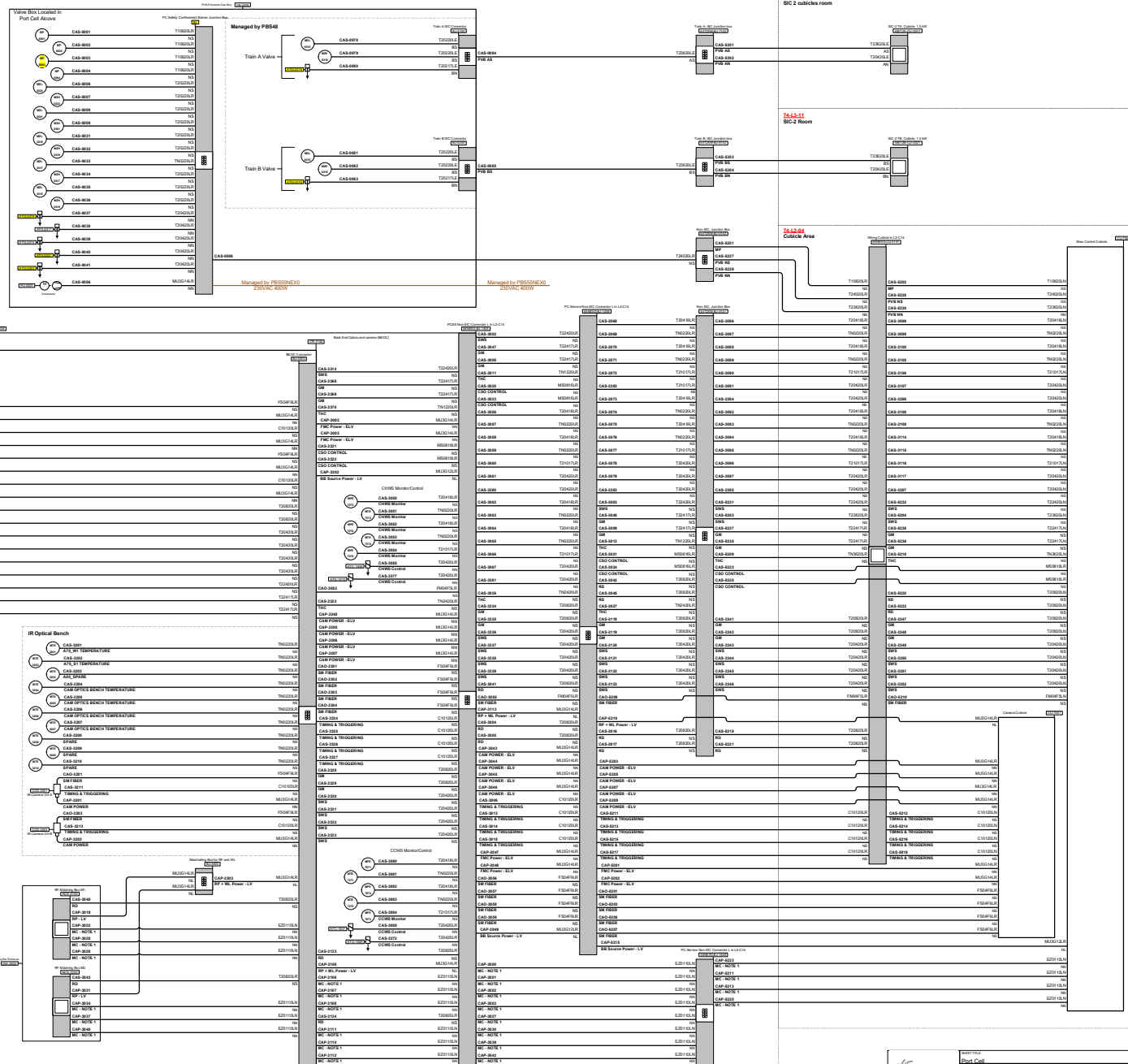
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Port Cell			
Diagram Title:			
WIDE ANGLE VIEWING SYSTEM (WAVS) Cabling			
UPPER PORT #14			
US_ITER_55GAD0_CBD_001.vsd			
Proj Name:	Assignment Title:	Date of Issue:	Drawn By:
55GAD0	Cabling	09/12/2024	Draft
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