ZALIV SHIP DESIGN

«SYSTEM» DEPARTMENT CHECK LIST FOR MZP STAGE

Project:	J34	Performer:	**Yufitenko A.**	Date:	**20.01.17**
Lot:	**474**	Approved by:	**Oshchyp O.**	Date:	**20.01.17**

N	Procedure	Performer	Auditor	Comments
1.	**References files review.**			
1.1.	All levels are on	☑	☑	
1.2.	All references are off	☑	☑	
2.	**Input documentation review.**			
2.1.	Latest revisions of PIDs are in work and comply with Drawing list.	☑	☑	
2.2.	Latest revisions of standards are in work and comply with List of Standards.	☑	☑	
2.3.	Latest version of geo schemes are in use.	☑	☑	
2.4.	AE assigned per lot in EDMS are closed.	☑	☑	
2.5.	Remarks for MZI are completed.	☑	☑	
3.	**Modelling review.**			
3.1.	HVAC and steel pipes bigger DN40 are completed for 100%.	☑	☑	
3.4.	Materials and sizes are according to specs.	☑	☑	
3.5.	Names of pipelines and valves are according to PID.	☑	☑	
3.6.	Valves are placed in accessible places.	☑	☑	
3.7.	Type of passages are according to spec and instruction 601T001 Rev.B.	☑	☑	
3.8.	Passages in boundary areas belong to side with profiles.	☑	☑	
3.9.	Passages in ACR acc to STX standard.	☑	☑	
3.10.	Passages positioned acc to standard.	☑	☑	
3.11.	DCI with ACR, VAT, pipe ducts and neighbor lots are checked.	☑	☑	
3.12.	Intersections with B15 screens are checked.	☑	☑	
3.13	Hi-Fog nozzles, drain points, duct hatches are modeled.	☐	☐	absent

3.14.	Ceiling and wall hatches are modeled.	☑	☑	
3.15.	Collision control for pipe+HVAC+trays – hull is done	☑	☑	
3.16.	Collision control for pipe+HVAC+trays – insulation is done	☑	☑	
3.17.	Collision control for Cable trays – HVAC is done	☑	☑	
3.18.	Collision control for pipe – HVAC + trays is done	☑	☑	
3.21.	Bending radiuses are acc to STX regulations	☑	☑	
3.22.	Remarks RE1 and RE2 are fixed in the model.	☑	☑	
3.23.	IT/TP holes are modeled.	☑	☑	
3.24.	Deck, bulkhead and floating floor insulation has been taken into account	☑	☑	
3.25.	150 mm thickness above ceiling height from finished floor to be met (Ceiling thickness + coord clearance)	☑	☑	
3.26.	Ventilation duct heat insulation requirements to be met (exhaust duct in blowing area to be insulated and blowing duct not to be insulated)	☑	☑	
3.27.	90 mm thickness above ceiling height from finished floor to be met (Ceiling thickness + coord clearance 40 mm)	☑	☑	
3.28.	Coord is checked against vent screens and B15 (100 min between coord and B15)	☑	☑	
3.29.	Make sure SRTP rules and regulations are taken into account. ILT pipe specs and passages are checked.	☑	☑	
3.30.	Position of scuppers and other thru pieces are checked as per LP drawing (toilets, Spa, swimming pool etc.)	☑	☑	
3.31.	Scuppers for rooms with floating floor are installed acc to NOTA 3.	☑	☑	
3.32.	Valves are in accessible places.	☑	☑	
3.33.	No pressure piping in EL rooms.	☑	☑	
3.34.	No removable fitting/junction pieces on piping in EL and USPHS facilities.	☑	☑	
3.35.	VRR to be provided with heat expansion loops.	☐	☐	absent
3.36.	FVP/FVN is modeled acc to requirements of STX (NOTA 6)	☐	☐	absent
3.37.	HVAC coamings to be inspected and meet IN0942+ Fire protection. Standard 840Y000 02 is respected.	☑	☑	
3.38.	Components to be actualized.	☑	☑	
3.39.	Panel/Block ID number are added to all components.	☑	☑	
3.40.	Reserves & modifs on drawing : All changes after RIP & RIS shall bear an AE number and be linked to DOCs	☑	☑	

3.41.	Cabin areas: Make sure cabin rolling clearance and opening areas have been taken into account	☑	☑	
3.42.	All remarks from ToDoList are fixed	☑	☑	
3.43.	A_HoleTracePenetrations are generated and information for all holes is correct.	☑	☑	
4.	**Hole requests review.**			
4.1.	Holes for HVAC, ILT, TDD and other welded steel pipes dia>DN50 are placed and validated by STX hull department.	☑	☑	
5.	**Delivery file.**			
5.1.	Networks to be delivered are ready to share with Control PG.	☑	☑	