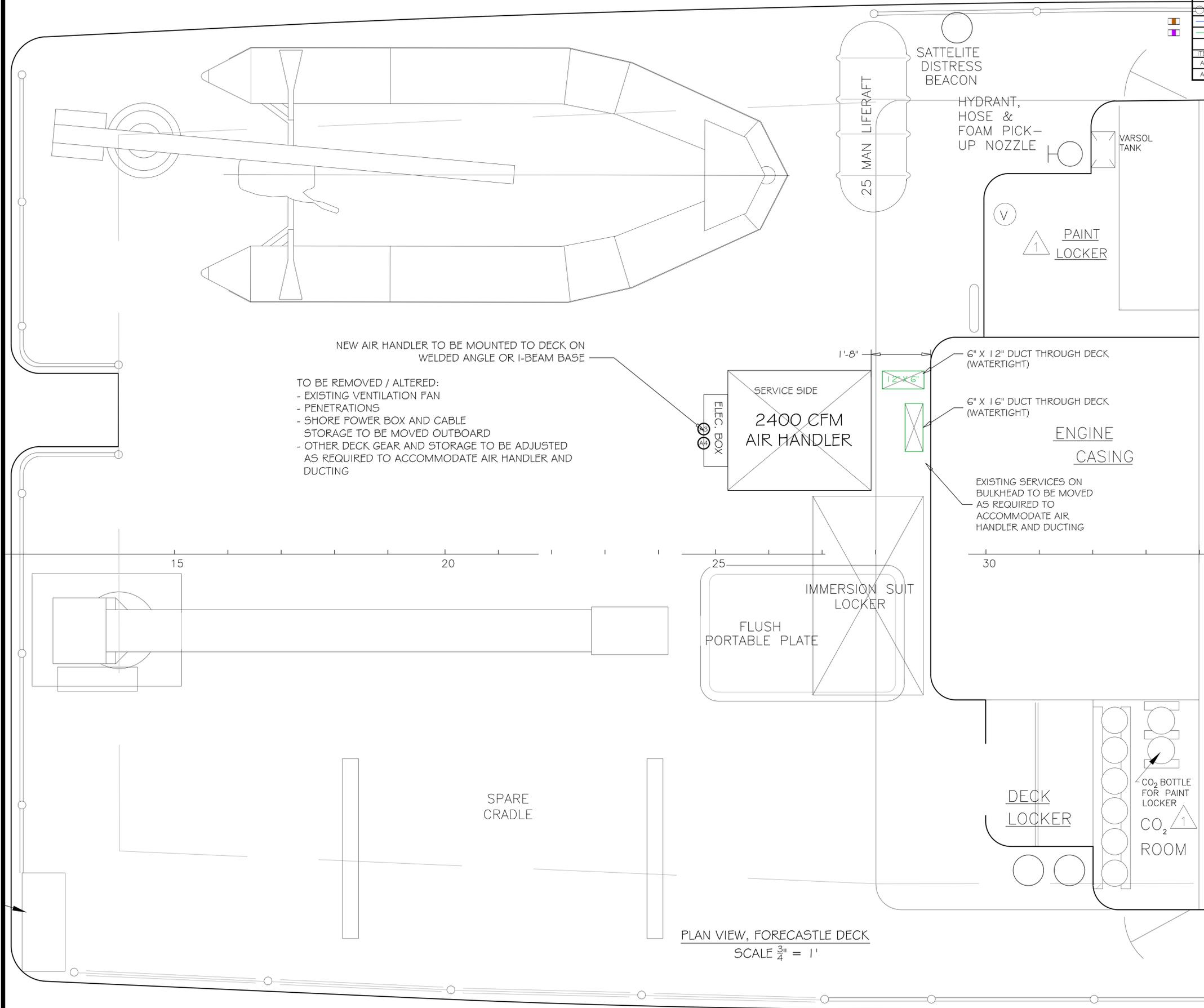




PIPING SYSTEM IDENTIFICATION COLOURS			
LINE	MAIN MEDIA	MARKING	SPECIFIC MEDIA
—	AIR IN VENTILATION SYSTEMS	—	NATURAL EXHAUST AIR
—	AIR IN VENTILATION SYSTEMS	—	CONDITIONED SUPPLY AIR

ITEM	DESCRIPTION	QUANTITY	REFERENCE	MATERIAL
A3	AIR HANDLER (FRESH AIR TAKEOFF) 2400 CFM, 440 VAC, 3-PL, 60 HZ	1	-	-
A4	CONDENSING UNIT TRIMETAL, CAPACITY TBD, 440 VAC, 3-PL, 60 HZ	1	NOT SHOWN	-



- NOTES:
- DUCTING TO BE GALVANIZED RECTANGULAR DUCT OR SIMILAR. CUSTOM DUCTING AND FITTINGS WILL BE REQUIRED IN MANY AREAS DUE TO SPACE CONSTRAINTS OR CONNECTION POINTS.
  - DUCTING ROUTES AND SIZING SHOWN ARE EXAMPLE ONLY. ACTUAL ROUTING AND SIZING OF DUCTS TO BE DETERMINED BY THE INSTALLER ON SITE AFTER A FULL LOAD ASSESSMENT HAS BEEN COMPLETED.
  - DUCTING PATHS FINALLY INSTALLED ARE TO BE SKETCHED, AND PROVIDED TO THE VESSEL FOR ITS RECORDS.
  - NOMINAL DUCTING SIZES LISTED. HVAC CONTRACTOR TO SIZE BASED UPON THEIR OWN CALCULATIONS.
  - SUPPLY DUCTING TO BE INSULATED
  - EXTRACTION FANS ARE TO BE INSTALLED ON SOFT-MOUNTS AND ARE TO HAVE FLEXIBLE DUCTING CONNECTIONS AT BOTH ENDS. IF ACCOUSTIC NOISE IS OBJECTIONABLE, ADDITIONAL ACCOUSTIC ENCLOSURES ARE TO BE PROVIDED.
  - EXHAUST FAN CONFIGURATION AND LOCATIONS SHOWN ARE PRELIMINARY ONLY. ACTUAL LOCATION AND ARRANGEMENT TO BE DETERMINED AFTER TEAR OUT AND ASSESSEMENT OF DUCTING RUNS.
  - AIR HANDLER AND EXHAUST FANS TO BE POWERED FROM PANEL P-422, WITH EMERGENCY SHUTDOWN TIED INTO EXISTING VESSEL VENTILATION SHUTDOWNS.
  - SYSTEM TO BE BALANCED DURING COMMISSIONING. ROOM INLET DIFFUSERS TO BE LEFT AT 100% OPEN DURING INITIAL SETTING OF DAMPERS AT THE FRESH AIR PLENUM.

ISSUED : JUNE 27 2017	DRAWING BY : TH	CHECKED BY : MD
REVISION DATE	AUG 9 2017	
REVISION	A: RECONFIGURATION OF HVAC SYSTEM	

CCG VECTOR  
WET LAB

APPROVED BY	FOR REVIEW	REV A
SHEET# 2/2	1146-3-508-01 WET LAB HVAC SYSTEM	

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