






FOR CONFIRMATION

2011. 03. 22

stx Offshore & Shipbuilding Co., Ltd.

TOTAL (12) SHEETS WITH A COVER

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stx	MODEL NO.	F 1004			
	TYPE	GT2 NOBLE DRILLSHIP			
MANAGER :	S.H. YOON 	TITLE HVAC, DUCT & INSTRUMENT DIAGRAM (D & ID) FOR ACCOMMODATION AREA			
CHECKED :	C.J. YANG 				
	S.K. SEO 				
DRAWN :	S.H. LEE 				
TEL. NO	+82-2-310-2107				
DEPT	OFFSHORE HULL OUTFITTING DESIGN TEAM	SCALE	DATE	DWG. NO.	REV. NO.
		NONE	2010.10.07	D47C1001	

STX Offshore & Shipbuilding

PLAN HISTORY

DATE	REV.	CONS.	DESCRIPTION	DWN.	CHKD	MGR.
2010.10.07	△ A		PREPARED BY OFFSHORE HULL OUTFITTING DESIGN TEAM.	/	/	/
			ISSUED FOR APPROVAL TO OWNER & CLASS.			
			ISSUED FOR WORKING TO YARD.			
2010.11.08			APPROVED BY CLASS WITH COMMENT (REF.641536).			
2010.11.08			APPROVED BY OWNER WITHOUT COMMENT.			
2011.03.22	△ 0	a	MODIFIED DUCT FOR ELEVATOR ACCORDING TO CLASS'S COMMENT.(REF.641536)	S.H. YOO	C.J. YANG S.K. SEO	S.H. YOON
		b	MODIFIED LAUNDRY DUCT ARRANGEMENT ACCORDING TO DESIGN IMPROVEMENT.			
			ISSUED FOR CONFIRMATION TO OWNER & CLASS.			
			ISSUED FOR CONSTRUCTION TO YARD.			

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INDEX

PAGE NO.	3 / 12
HULL NO.	F1004
DWG NO.	D47C1001

NO.	DESCRIPTION	PAGE	REMARK
1	LEGEND, SIMBOL & TYPICAL	4	
2	D & ID FOR UPPER TWEEN DECK	5	
3	D & ID FOR MAIN-DECK	6	
4	D & ID FOR UPPER-DECK	7	
5	D & ID FOR A-DECK	8	
6	D & ID FOR B-DECK	9	
7	D & ID FOR C-DECK	10	
8	D & ID FOR NAV-DECK	11	
9	D & ID FOR TOP-DECK	12	
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

DESCRIPTION	SYMBOL
AXIAL FLOW FAN(SINGLE SPEED)	
AXIAL FLOW FAN(DUAL SPEED)	
CENTRIFUGAL FAN(SINGLE SPEED)	
CENTRIFUGAL FAN(DUAL SPEED)	
PNEUMATIC CONTROL DAMPERS * & ## IDENTIFICATION F - FIRE DAMPER S - SHUTOFF DAMPER V - VOLUME CONTROL DAMPER P - PRESSURE CONTROL DAMPER F.C - FAIL CLOSE, F.O - FAIL OPEN	
ELECTRIC CONTROL DAMPERS * & ## IDENTIFICATION F - FIRE DAMPER S - SHUTOFF DAMPER V - VOLUME CONTROL DAMPER P - PRESSURE CONTROL DAMPER F.C - FAIL CLOSE, F.O - FAIL OPEN	
MANUAL SHUT-OFF DAMPER	
MANUAL VOLUME DAMPER	
GRAVITY PRESSURE RELIEF DAMPER	
NON-RETURN DAMPER	
SOUND ATTENUATOR	
WEATHER LOUVER	
WEATHER LOUVER WITH WEATHER TIGHT CLOUSER	
FILTER	
MOISTURE ELIMINATOR	
MUSHROOM VENTILATOR WITH WIRE MESH	
RAIN HOOD	
JET HOOD	
HEATING COIL	
COOLING COIL	
ELECTRIC HEATER	
WIRE NET	
STEEL SPOOL FOR BULKHEAD PENETRATION OR FIRE RATED DUCT	
SPIRAL DUCT BALACING DAMPER	

DESCRIPTION	SYMBOL
SUPPLY AIR TERMINAL WITH SOUND ATTENUATOR AND BALANCING DAMPER	
SUPPLY AIR TERMINAL WITH SOUND ATTENUATOR BALANCING DAMPER AND ELECTRIC RE-HEATER	
RETURN AIR TERMINAL WITH SOUND ATTENUATOR AND BALANCING DAMPER	
SUPPLY GRILLE/DIFFUSER WITH MOUNTING BOX	
EXTRACT GRILLE/DIFFUSER WITH MOUNTING BOX	
SUPPLY GRILLE/DIFFUSER WITH BALANCING DAMPER	
EXTRACT GRILLE/DIFFUSER WITH BALANCING DAMPER	
SUPPLY GRILLE/DIFFUSER	
EXTRACT GRILLE/DIFFUSER	
AIR THROUGH DOOR LOUVER	
AIR THROUGH DOOR UNDERCUT	
PUNKAH LOUVER	
DEFROSTING NOZZLE	
EXHAUST NOZZLE	
EXTRACTION HOOD	
FLEXIBLE CONNECTION	
FLEXIBLE DUCT	
ACCESS DOOR	
INSPECTION DOOR	
DUCT BEND DOWN	
DUCT BEND UP	
DUCT BEND UP&DOWN	
AIR DIRECTION	
DUCT TRANSFORMATION / PIPE REDUCER	
SUPPLY	
EXHAUST/RETURN	
SPIRAL DUCT NON-RETURN DAMPER	

DESCRIPTION	SYMBOL
SUPPLIER PACKAGE LIMITS	
TEMPERATURE CONTROLLER	
HYDRAULIC OPERATED VALVE (WATER TIGHT VALVE)	
BUTTERFLY VALVE	
DISCRETE INSTRUMENTS PRIMARY LOCATION	
DISCRETE INSTRUMENTS FIELD MOUNTED	
DISCRETE INSTRUMENTS AUXILIARY LOCATION	
SHARED DISPLAY, SHARED CONTROL PRIMARY LOCATION	
SHARED DISPLAY, SHARED CONTROL FIELD MOUNTED	
SHARED DISPLAY, SHARED CONTROL AUXILIARY LOCATION	
PROGRAMMABLE LOGIC CONTROL PRIMARY LOCATION	
PROGRAMMABLE LOGIC CONTROL FIELD LOCATION	
PROGRAMMABLE LOGIC CONTROL AUXILIARY LOCATION	
LOGIC INTERLOCK	
LOCAL CONTROL PANEL	
FIRE AND GAS SYSTEM	
EMERGENCY SHUTDOWN SYSTEM	
PNEUMATIC SIGNAL	
SOFTWARE LINK	
HARD WIRE	
HC DETECTOR	
H2S DETECTOR	
A-60 RATED FIRE WALL	
A-0 RATED FIRE WALL	
A-60 INSULATED DECK	
A-0 INSULATED DECK	
SPIRAL DUCT SHUT-OFF DAMPER OR VOLUME & SMOKE DAMPER	

DESCRIPTION	SYMBOL
DUCT NOTATION (FLOW DIAGRAM)	
DUCT SIZE & TYPE (AIR FLOW RATE/VELOCITY) (mm) m3/h m/s	
EX : 300x200 (1800/8.3) PR-25 (1716/9.7)	
* HVAC DUCT CLASSES A - CARBON STEEL HEAVY GAUGE B - CARBON STEEL LIGHT GAUGE C - STEEL FOR CIRCULAR DUCT D - PIPE DUCT E - PRE-GALVANIZED LIGHT GAUGE	
** INSULATION AND FIRE RATING 0 - NO INSULATION 1 - A-0 FIRE RATED 2 - A-60 FIRE RATED 3 - SWEAT PROOF INSULATION 6 - EXTERNAL THERMAL INSULATION 7 - ACOUSTIC INSULATION	
DESCRIPTION BOXS (TYPICAL)	
ROOM CONDITIONS	
ROOM NAME	
AIR FLOW TYPE(#)	
AIR FLOW RATE(CMH)	
AIR CHANGES(times/h)	
ROOM TEMP.(max./min.)	
STATIC PRESSURE. Pa	
#: AIR FLOW TYPE AS - AIR-CON. SUPPLY AIR MS - MECHANICAL SUPPLY AIR ME - MECHANICAL EXHAUST AIR NS - NATURAL SUPPLY AIR NE - NATURAL EXHAUST AIR NV - NATURAL VENTILATION AIR	
AHU	
TAG NUMBER	
SERVICE	
AIR FLOW RATE(CMH)	
STATIC PRESSURE(Pa)	
COOLING LOAD(kW)	
MOTOR(kW)	
FAN	
TAG NUMBER	
SERVICE	
AIR FLOW RATE(CMH)	
STATIC PRESSURE(Pa)	
FAN SPEED(PRm)	
MOTOR RATING(kW)	
ELECTRIC HEATER	
TAG NUMBER	
SERVICE	
AIR FLOW RATE(CMH)	
HEATING CAPACITY(kW)	
ELECTRICAL SOURCE (VOLT/PHASE/FREQ'CY)	

DESCRIPTION	SYMBOL
DUCT NOTATION (FLOW DIAGRAM)	
DUCT SIZE & TYPE (AIR FLOW RATE/VELOCITY) (mm) m3/h m/s	
EX : 300x200 (1800/8.3) PR-25 (1716/9.7)	

TAGGING FOR HVAC EQUIPMENT & ACCESSORY

XXX - HYY - ZZZW

NONE : NOT APPLICABLE
A : DUTY
B : STANDBY

EQUIPMENT MODIFIER
TYPE OF EQUIPMENT

SYSTEM CODE(UNIFIED)

901 : AIR-CONDITIONING & VENTILATION SYSTEM FOR ACCOMMODATION
902 : VENTILATION SYSTEM FOR MACHINERY SPACE
903 : VENTILATION SYSTEM FOR ENGINE ROOM (MACHINERY SPACE)

EQUIPMENT CODE

YY	DESCRIPTION	YY	DESCRIPTION
AD	PACKAGE AIR-CONDITIONING UNIT(PACU)	DP	VOLUME CONTROL DAMPER
AQ	AIR HANDING UNIT(AHU)	DP	PRESSURE CONTROL DAMPER
CD	WATER-COOLED CONDENSING UNIT	UC	UNIT AIR COOLER
VF	VENTILATION FAN (CENTRIFUGAL)	TE	ROOM THERMOSTAT
VF	VENTILATION FAN (AXIAL)	AF	AIR FILTER
DC	DUCT HEATER	GH	GALLEY HOOD
DF	AUTOMATIC FIRE DAMPER	FF	DEEP FAT FRYER
DF	AUTOMATIC MODULATING DAMPER	CP	CONTROL PANEL

ACCESSORY CODE

YY	DESCRIPTION	YY	DESCRIPTION
DP	MANUAL SHUTOFF DAMPER	RS	SUPPLY TERMINAL WITH HEATER/SOUND BOX/DAMPER
	NON-RETURN DAMPER	SU	SUPPLY/EXHAUST TERMINAL WITH SOUND BOX/DAMPER
AL	AIR FILTER	SG	SUPPLY/EXHAUST GRILLE WITH DAMPER
SA	SOUND ATTENUATOR	CS	FIRE DAMPER CONTROL STATION
SN	SUPPLY DEFROSTING NOZZLE	DT	PRESSURE DIFFERENTIAL TRANSMITTER
WL	WEATHER LOUVER	DS	PRESSURE DIFFERENTIAL SWITCH
VT	MUSHROOM VENTILATOR		
	GOOSENECK VENTILATOR		

DOOR SYMBOL TABLE

YY	DESCRIPTION	YY	DESCRIPTION
	WATER TIGHT STEEL DOOR		WEATHER TIGHT STEEL DOOR
	A-60 CLASS FIRE RETARDING DOOR		A-0 CLASS FIRE RETARDING DOOR
	B-15 CLASS FIRE RETARDING DOOR		C CLASS FIRE RETARDING DOOR
	A-0 SUS WEATHER DOOR (W/SCUTTLE)		NON TIGHT STEEL DOOR
	WATER TIGHT SLIDING DOOR		COLD PROVISION CHAMBER DOOR

ROOM CONDITIONS

101 AIR HANDLING UNIT ROOM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	1800
AIR CHANGES(times/h)	2.3
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

103 CLEANING GEAR LOCKER	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	200
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

104 LAVATORY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	410
AIR CHANGES(times/h)	15.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

105 GYMNASIUM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	900
AIR CHANGES(times/h)	10.1
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

106 STORAGE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	212
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

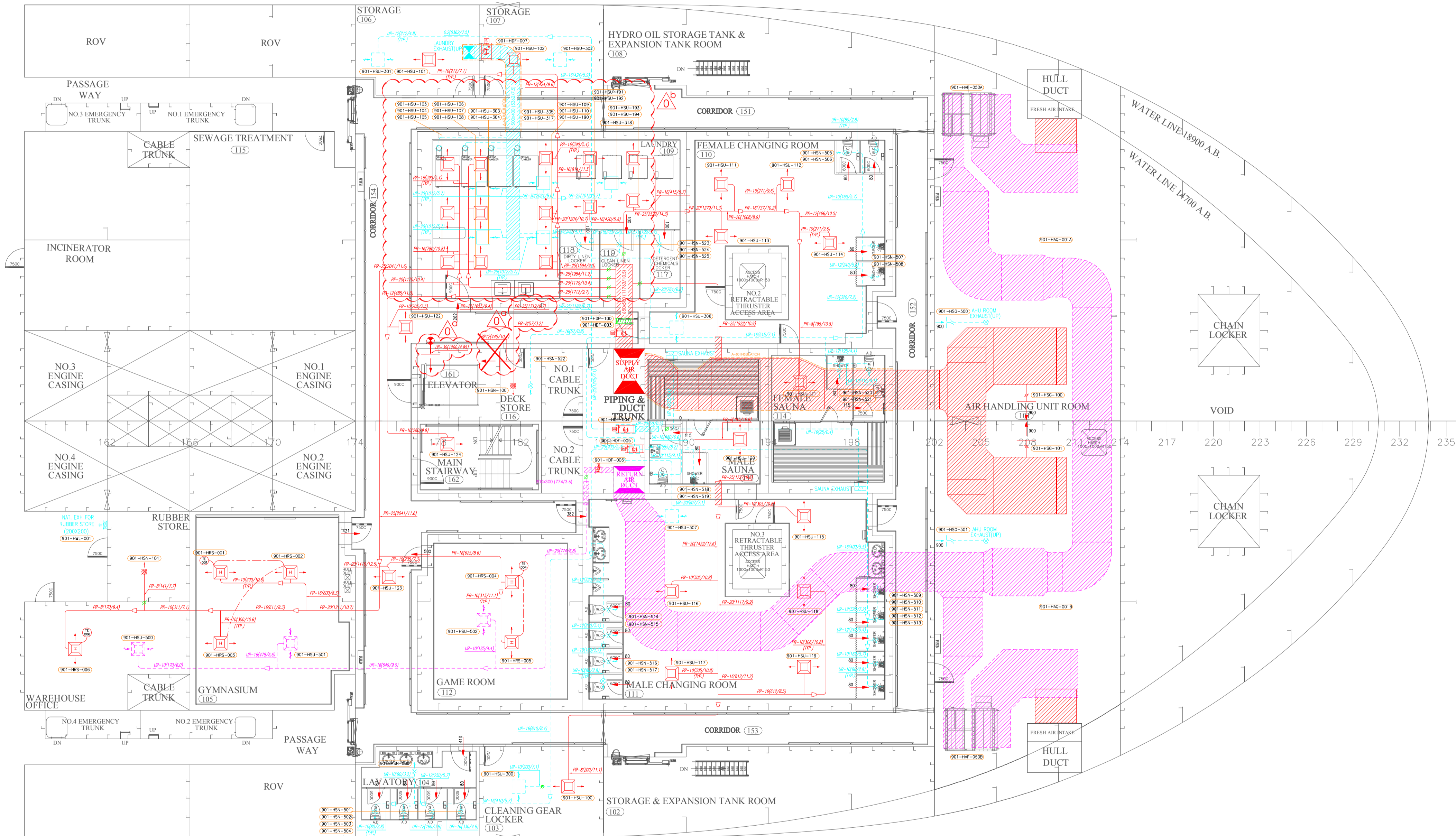
107 GARBAGE STORE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	212
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

109 LAUNDRY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	5362
AIR CHANGES(times/h)	40.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

110 FEMALE CHANGING ROOM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	813
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50



ROOM CONDITIONS

111 MALE CHANGING ROOM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	1145
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

112 GAME ROOM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	625
AIR CHANGES(times/h)	8.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

113 MALE SAUNA	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	195
AIR CHANGES(times/h)	8.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

114 FEMALE SAUNA	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	195
AIR CHANGES(times/h)	8.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

116 DECK STORE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	57
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

154 CORRDR	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	410
AIR CHANGES(times/h)	-
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

162 MAIN STAIRWAY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	280
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

RUBBER STORE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	141
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

WARE HOUSE OFFICE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	170
AIR CHANGES(times/h)	4.8
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

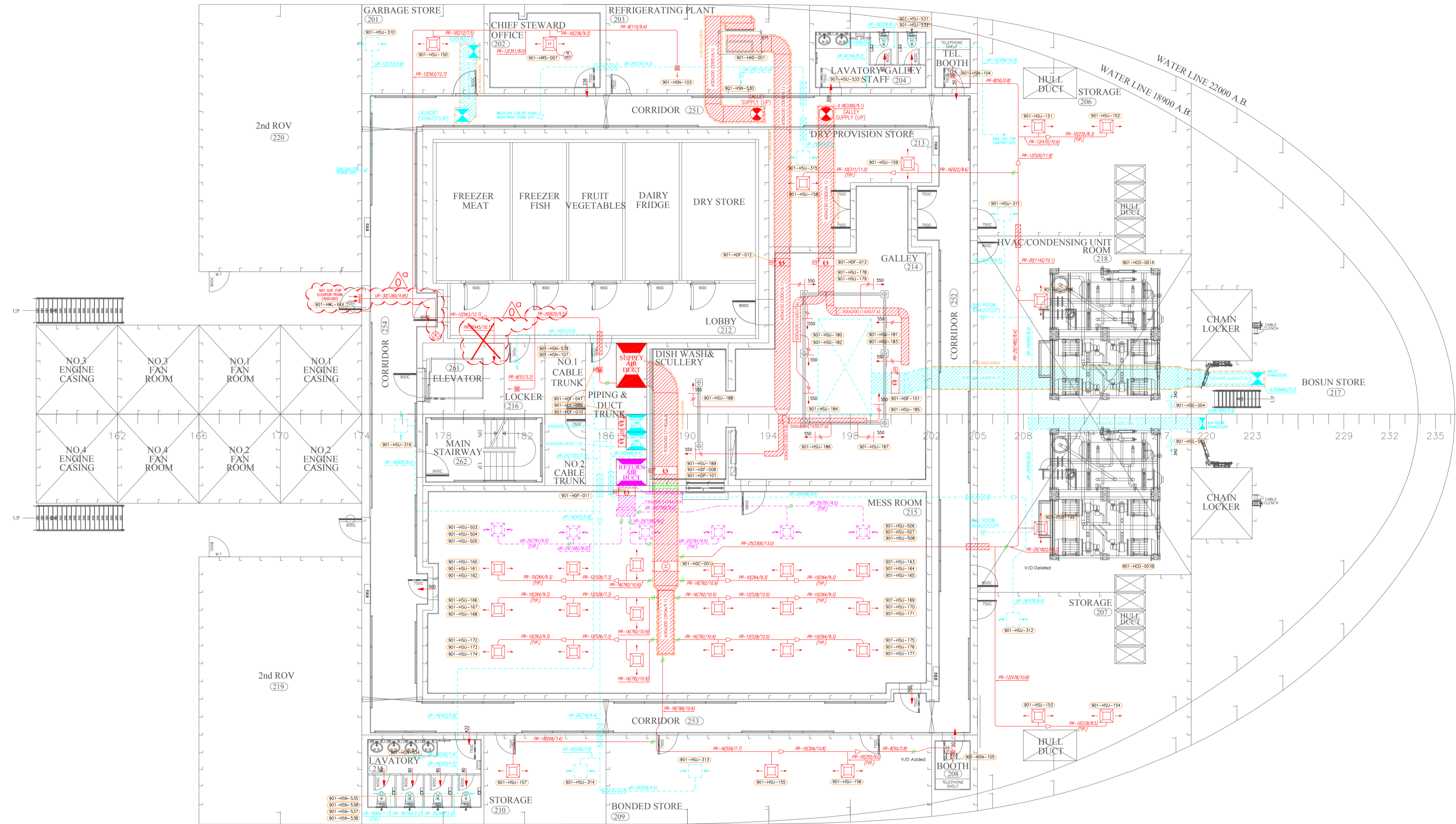
ROOM CONDITIONS

ELEVATOR	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	445
AIR CHANGES(times/h)	5.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

UPPER TWEEN DECK
14700 A.B.

ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS							
201 STORAGE	AIR FLOW TYPE(#)	AS	202 CHIEF STEWARD OFFICE	AIR FLOW TYPE(#)	AS	203 REFRIGERATING PLANT	AIR FLOW TYPE(#)	AS	204 LAVATORY GALLEY STAFF	AIR FLOW TYPE(#)	AS	205 TEL. BOOTH	AIR FLOW TYPE(#)	AS	
AIR FLOW RATE(CMH)	212	AIR FLOW RATE(CMH)	236	AIR FLOW RATE(CMH)	115	AIR FLOW RATE(CMH)	309	AIR FLOW RATE(CMH)	50	AIR FLOW RATE(CMH)	50	AIR FLOW RATE(CMH)	50	AIR FLOW RATE(CMH)	50
AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	8.8	AIR CHANGES(times/h)	2.0	AIR CHANGES(times/h)	15.0	AIR CHANGES(times/h)	10.8	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	10.8	AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50

ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS							
206 STORAGE	AIR FLOW TYPE(#)	AS	207 STORAGE	AIR FLOW TYPE(#)	AS	208 TEL. BOOTH	AIR FLOW TYPE(#)	AS	209 BONDED STORE	AIR FLOW TYPE(#)	AS	210 STORAGE	AIR FLOW TYPE(#)	AS	
AIR FLOW RATE(CMH)	470	AIR FLOW RATE(CMH)	478	AIR FLOW RATE(CMH)	50	AIR FLOW RATE(CMH)	50	AIR FLOW RATE(CMH)	509	AIR FLOW RATE(CMH)	509	AIR FLOW RATE(CMH)	209	AIR FLOW RATE(CMH)	209
AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	10.8	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50

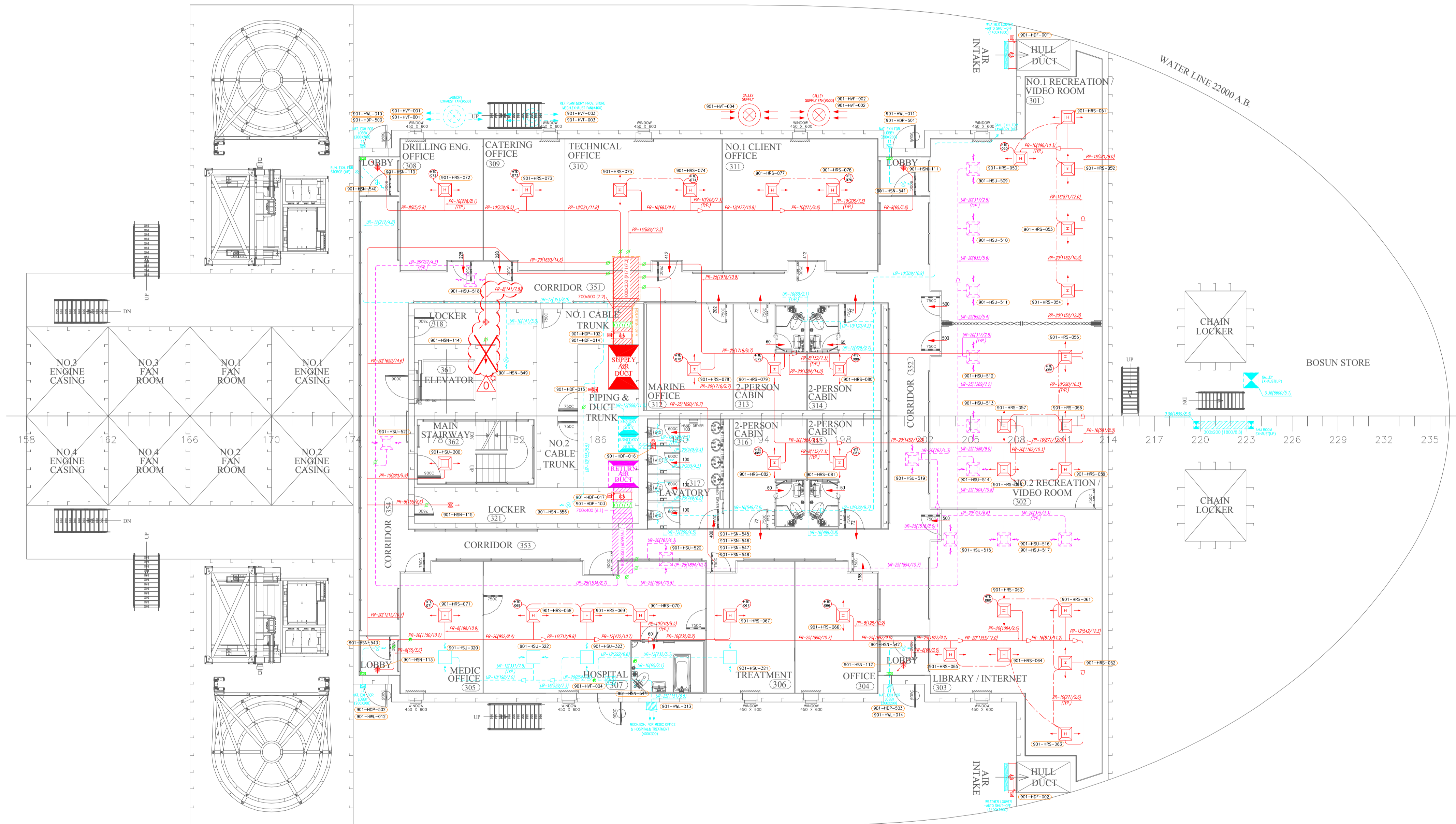


ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS							
211 LAVATORY	AIR FLOW TYPE(#)	AS	213 DRY PROVISION STORE	AIR FLOW TYPE(#)	MS / ME	214 GALLEY	AIR FLOW TYPE(#)	AS & MS	215 MASS ROOM	AIR FLOW TYPE(#)	AS	216 LOCKER	AIR FLOW TYPE(#)	AS	
AIR FLOW RATE(CMH)	422	AIR FLOW RATE(CMH)	622	AIR FLOW RATE(CMH)	6600	AIR FLOW RATE(CMH)	4750	AIR FLOW RATE(CMH)	4750	AIR FLOW RATE(CMH)	57	AIR FLOW RATE(CMH)	57	AIR FLOW RATE(CMH)	445
AIR CHANGES(times/h)	15.0	AIR CHANGES(times/h)	10.0	AIR CHANGES(times/h)	40.0	AIR CHANGES(times/h)	56.0	AIR CHANGES(times/h)	56.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	5.0
ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50	STATIC PRESSURE, Pa	50

MAIN-DECK
 18900 A.B.

ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS	
LOBBY		301 RECREATION/VIDEO NO.1		302 RECREATION/VIDEO NO.2		303 LIBRARY/INTERNET	
AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	65	AIR FLOW RATE(CMH)	1452	AIR FLOW RATE(CMH)	1452	AIR FLOW RATE(CMH)	1627
AIR CHANGES(times/h)	10.3	AIR CHANGES(times/h)	12.4	AIR CHANGES(times/h)	14.5	AIR CHANGES(times/h)	13.7
ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50

ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS	
304 OFFICE		305 MEDIC OFFICE		306 TREATMENT		307 HOSPITAL	
AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	198	AIR FLOW RATE(CMH)	198	AIR FLOW RATE(CMH)	232	AIR FLOW RATE(CMH)	721
AIR CHANGES(times/h)	5.7	AIR CHANGES(times/h)	10.0	AIR CHANGES(times/h)	10.0	AIR CHANGES(times/h)	8.0
ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50



ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS	
308 DRILLING ENG. OFFICE		309 CATERING OFFICE		310 OFFICE		311 CLIENT OFFICE NO.1		312 MARINE OFFICE	
AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	228	AIR FLOW RATE(CMH)	228	AIR FLOW RATE(CMH)	412	AIR FLOW RATE(CMH)	412	AIR FLOW RATE(CMH)	202
AIR CHANGES(times/h)	6.6	AIR CHANGES(times/h)	6.6	AIR CHANGES(times/h)	6.3	AIR CHANGES(times/h)	6.3	AIR CHANGES(times/h)	6.5
ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50

ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS		ROOM CONDITIONS	
313~316 2-PERSON CABIN		317 LAVATORY		318 LOCKER		362 MAIN STAIRWAY	
AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS	AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	132	AIR FLOW RATE(CMH)	400	AIR FLOW RATE(CMH)	141	AIR FLOW RATE(CMH)	280
AIR CHANGES(times/h)	6.3	AIR CHANGES(times/h)	15.0	AIR CHANGES(times/h)	6.0	AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0	ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50	STATIC PRESSURE. Pa	50

UPPER-DECK
22000 A.B.

ROOM CONDITIONS

LOBBY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	65
AIR CHANGES(times/h)	10.3
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

401~405 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	230
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

406~408 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	172
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

409~421 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	172
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

422 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	230
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

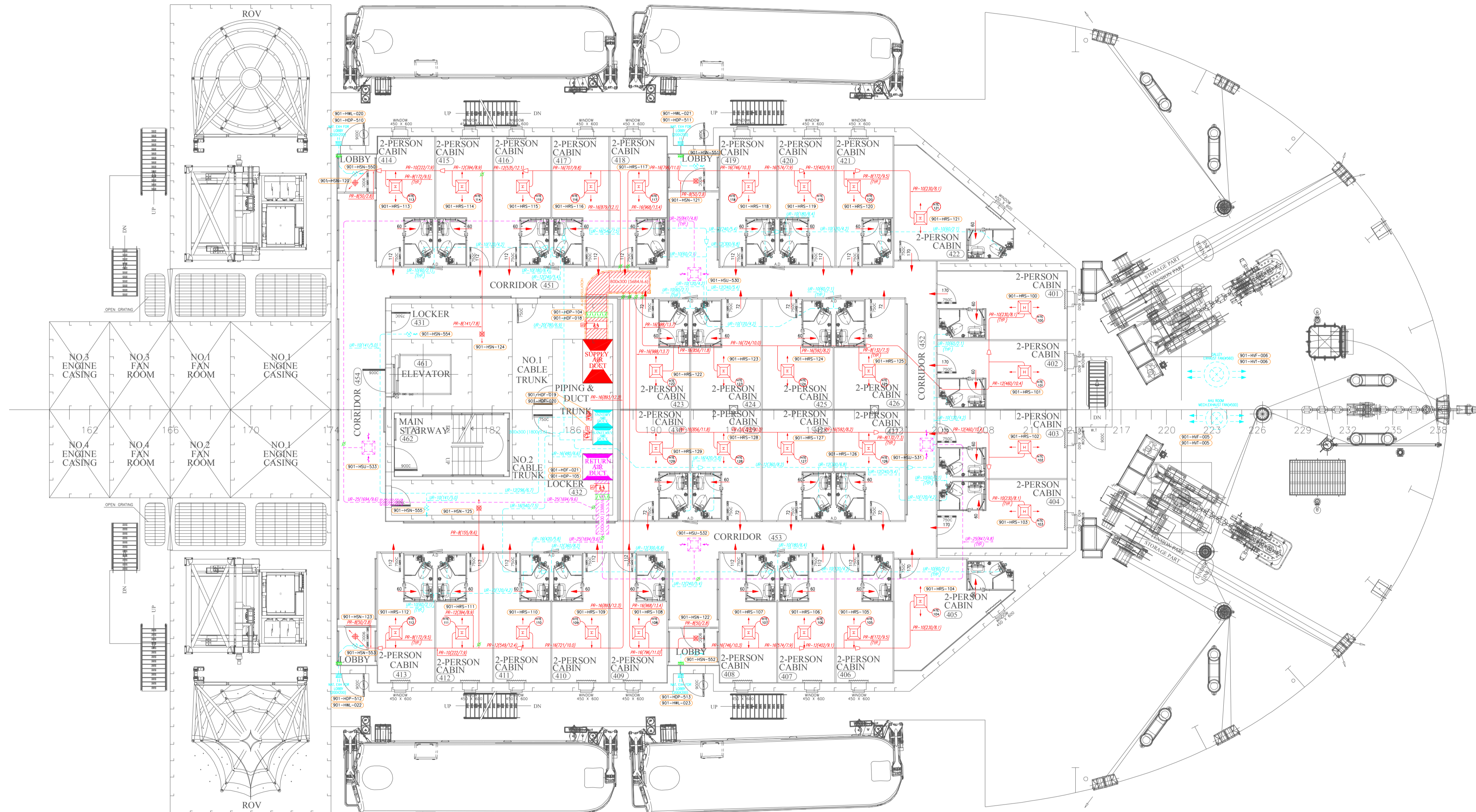
423~430 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	132
AIR CHANGES(times/h)	6.3
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

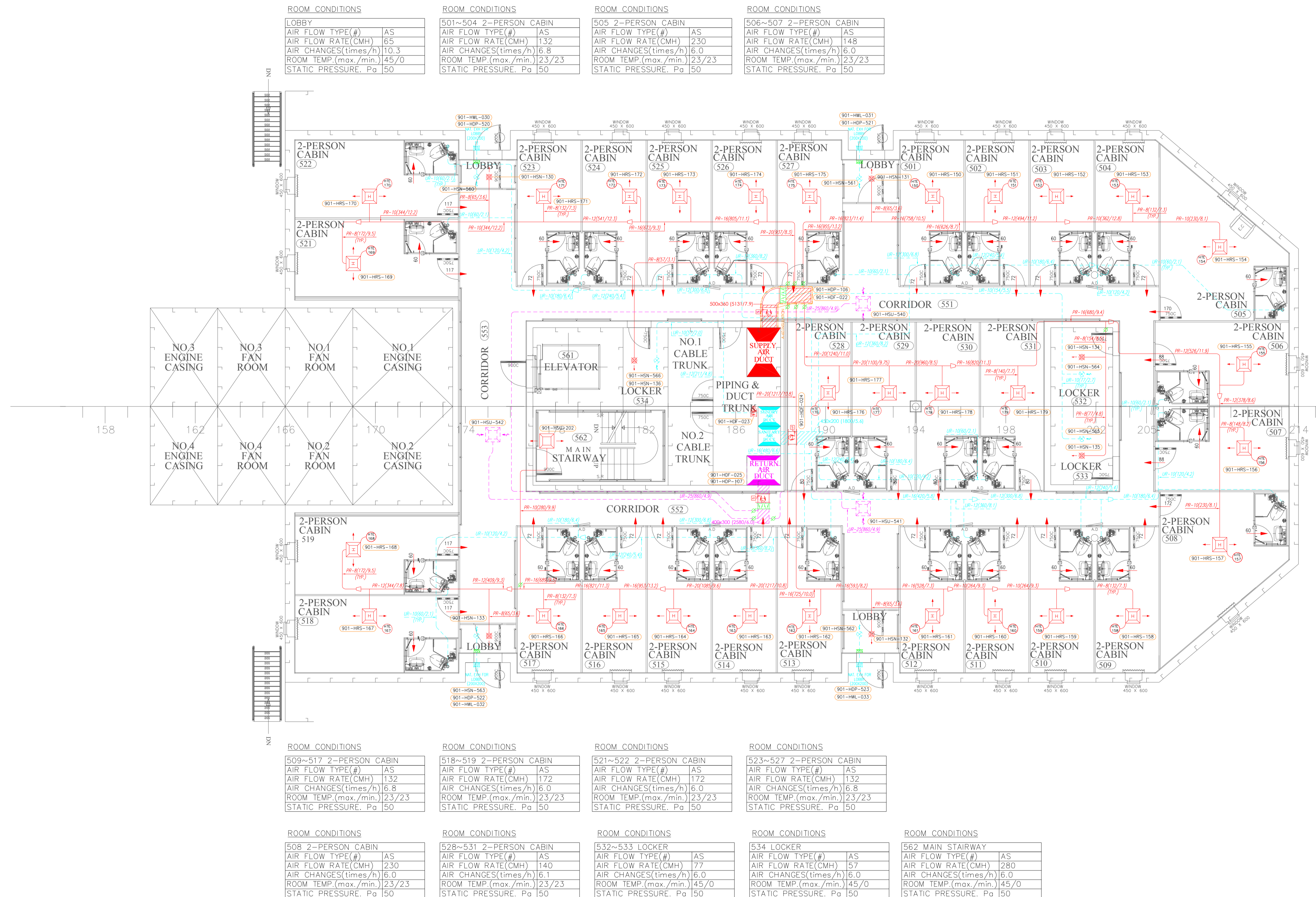
431 LOCKER	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	141
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

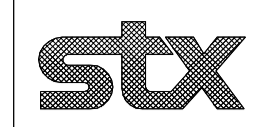
432 LOCKER	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	155
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50



A-DECK
25000 A.B.



B-DECK
28000 A.B.



ROOM CONDITIONS

LOBBY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	60
AIR CHANGES(times/h)	10.2
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

601~602 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	189
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

603 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	519
AIR CHANGES(times/h)	14.8
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

604 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	413
AIR CHANGES(times/h)	16.4
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

605~606 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	413
AIR CHANGES(times/h)	16.5
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

607 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	413
AIR CHANGES(times/h)	16.4
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

608 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	519
AIR CHANGES(times/h)	14.8
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

609~610 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	189
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

611 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	189
AIR CHANGES(times/h)	6.4
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

612 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	205
AIR CHANGES(times/h)	6.9
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

613~614 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	163
AIR CHANGES(times/h)	8.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

615 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	160
AIR CHANGES(times/h)	7.5
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

616 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	182
AIR CHANGES(times/h)	8.6
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

617 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	162
AIR CHANGES(times/h)	6.9
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

618 CONFERENCE ROOM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	726
AIR CHANGES(times/h)	17.8
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

619 STATIONARY & FILING	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	169
AIR CHANGES(times/h)	6.1
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

620 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	182
AIR CHANGES(times/h)	8.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

621 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	160
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

622~623 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	163
AIR CHANGES(times/h)	8.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

624 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	178
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

625 1-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	189
AIR CHANGES(times/h)	6.4
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

626 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	150
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

627~632 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	189
AIR CHANGES(times/h)	6.3
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

633 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	150
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

634 LOCKER	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	141
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

635 LOCKER	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	155
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

636 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	150
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

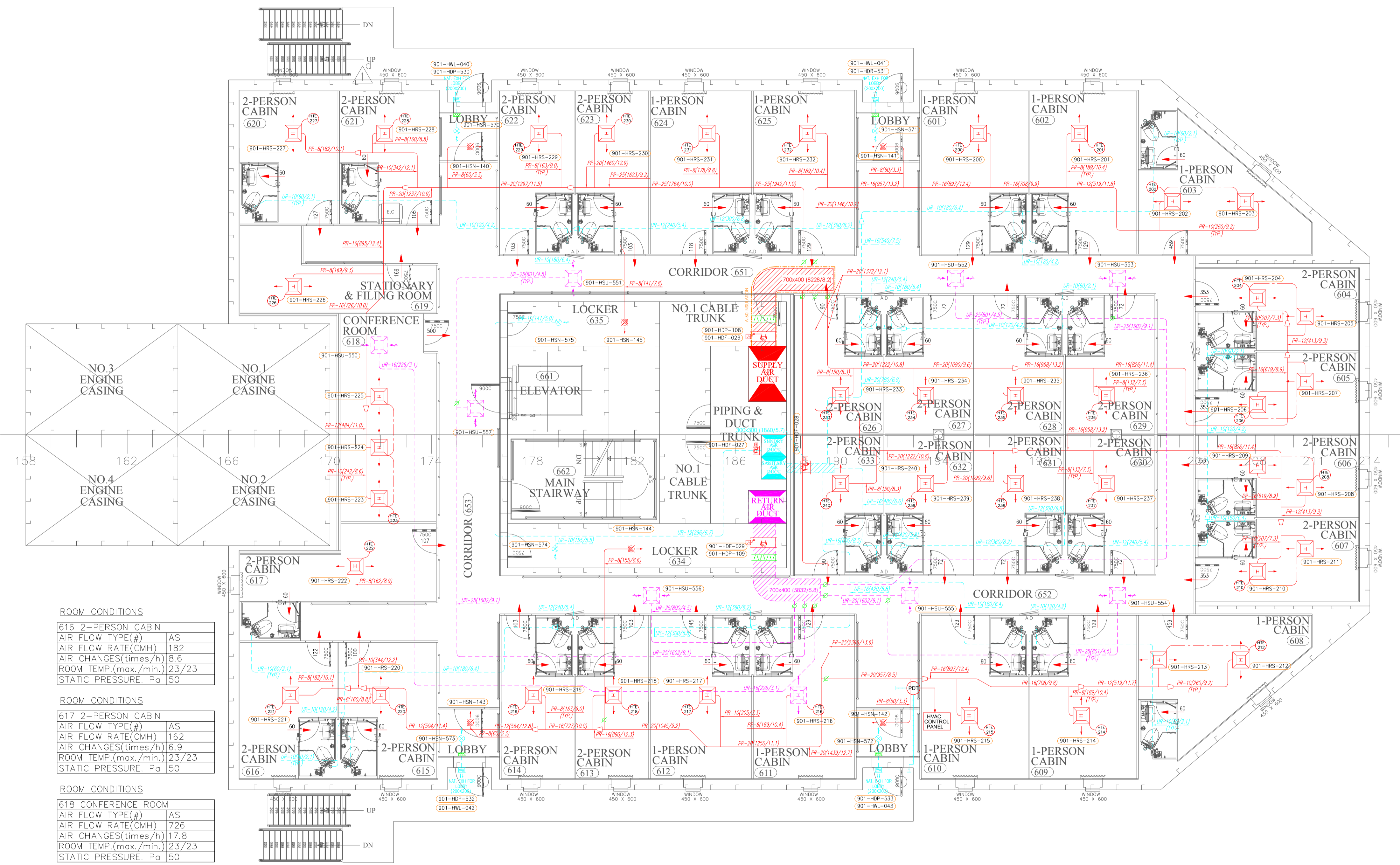
637~632 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	150
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

638 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	150
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

639 2-PERSON CABIN	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	150
AIR CHANGES(times/h)	7.2
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50



C-DECK
31000 A.B.

ROOM CONDITIONS

LOBBY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	40
AIR CHANGES(times/h)	10.6
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

701 WHEEL HOUSE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	6400
AIR CHANGES(times/h)	16.6
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

702 EMERGENCY DP CONSOLE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	850
AIR CHANGES(times/h)	23.5
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

702 NO.1 INSTRUMENT ROOM	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	1850
AIR CHANGES(times/h)	52.4
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

703 CLIENT OFFICE NO.2	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	515
AIR CHANGES(times/h)	8.4
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

704 OWNER OFFICE	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	527
AIR CHANGES(times/h)	8.6
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

705 OFFICE NO.1	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	222
AIR CHANGES(times/h)	7.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

706 OFFICE NO.2	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	222
AIR CHANGES(times/h)	7.0
ROOM TEMP.(max./min.)	23/23
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

707 PANTRY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	136
AIR CHANGES(times/h)	8.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

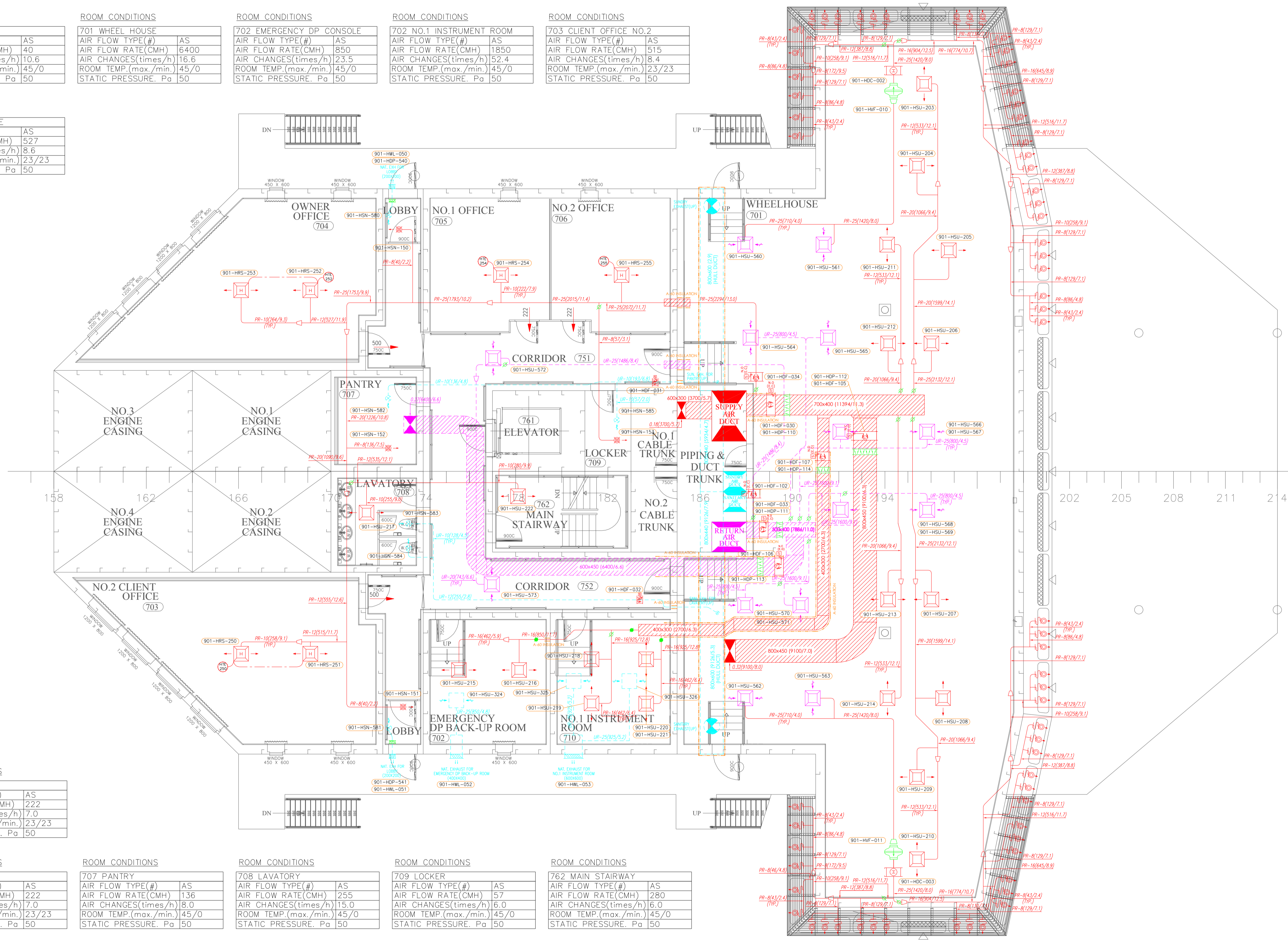
708 LAVATORY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	255
AIR CHANGES(times/h)	15.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

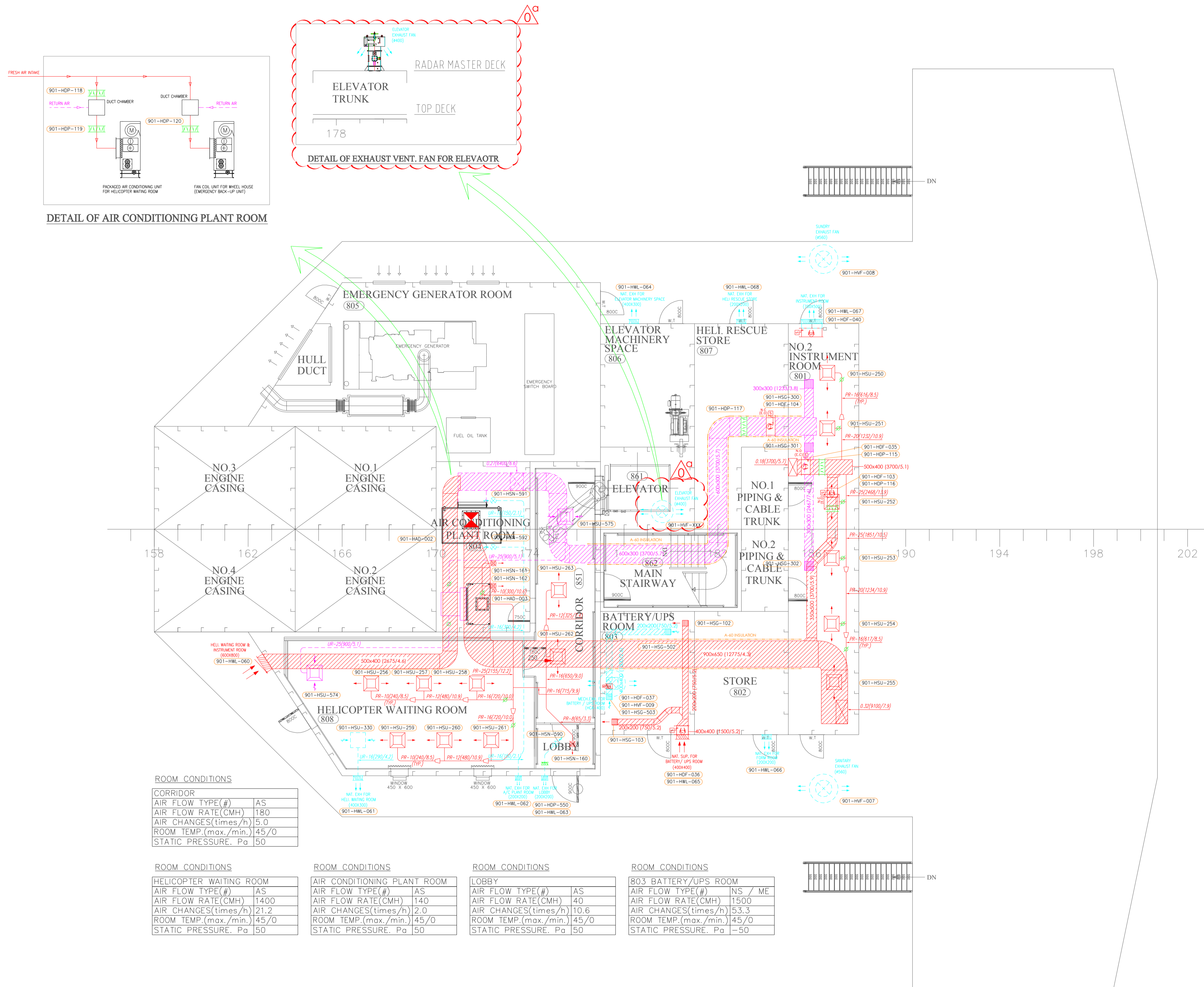
709 LOCKER	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	57
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50

ROOM CONDITIONS

762 MAIN STAIRWAY	
AIR FLOW TYPE(#)	AS
AIR FLOW RATE(CMH)	280
AIR CHANGES(times/h)	6.0
ROOM TEMP.(max./min.)	45/0
STATIC PRESSURE, Pa	50



NAVIGATION DECK
34000 A.B.



TOP DECK