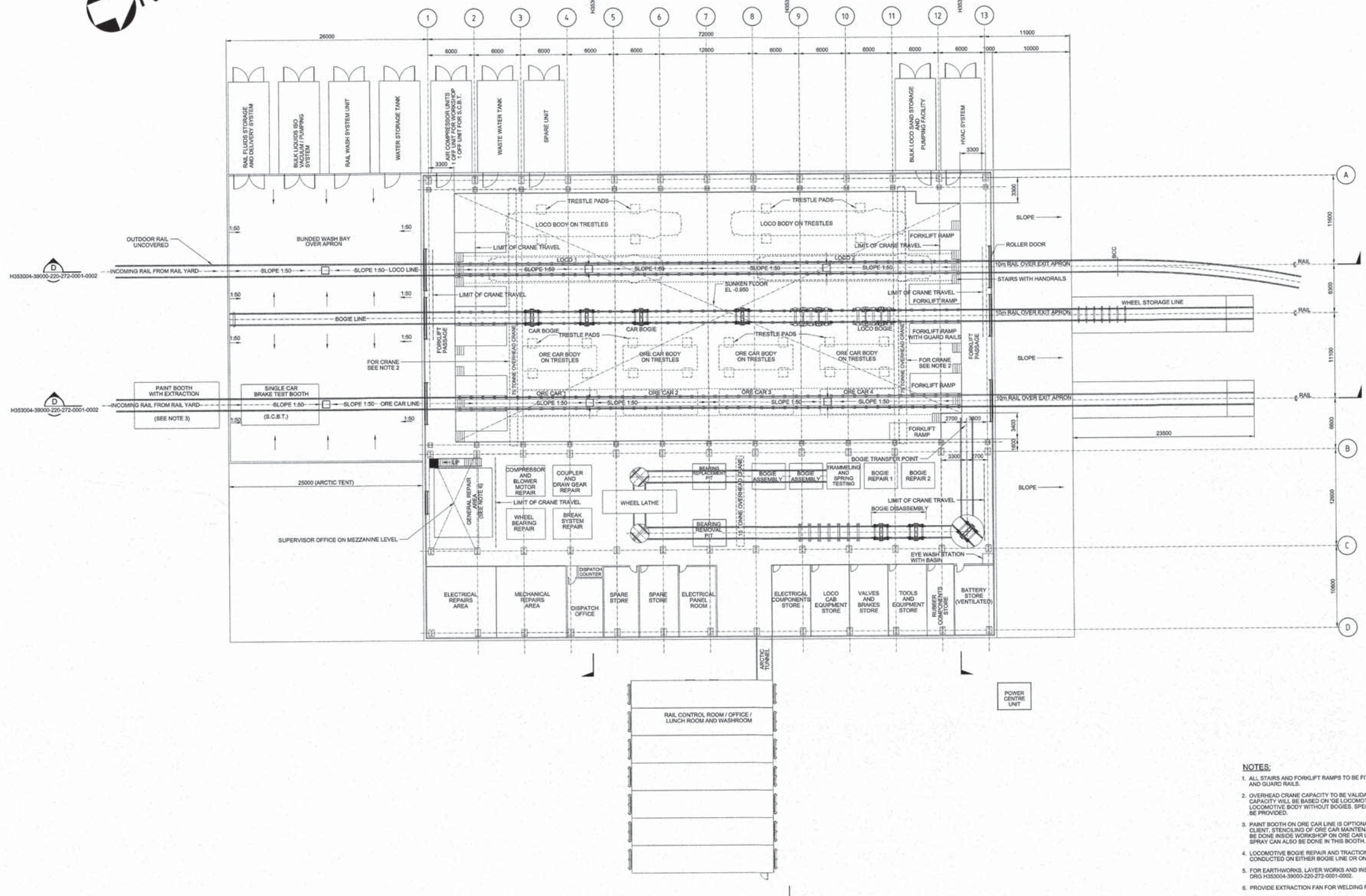




RAIL WORKSHOP FLOOR PLAN
SCALE 1:200

- NOTES:**
1. ALL STAIRS AND FORKLIFT RAMPS TO BE FITTED WITH HANDRAILS AND GUARD RAILS.
 2. OVERHEAD CRANE CAPACITY TO BE VALIDATED BY CONTRACTOR. CAPACITY WILL BE BASED ON THE LOCOMOTIVE WET WEIGHT FOR LOCOMOTIVE BODY WITHOUT BOGIES. SPECIFICATION SHEET WILL BE PROVIDED.
 3. PAINT BOOTH ON ORE CAR LINE IS OPTIONAL. IF NOT REQUIRED BY CLIENT, STENCILING OF ORE CAR MAINTENANCE CYCLES SHALL BE DONE INSIDE WORKSHOP ON ORE CAR LINE. LOCOMOTIVE BODY SPRAY CAN ALSO BE DONE IN THIS BOOTH.
 4. LOCOMOTIVE BOGIE REPAIR AND TRACTION MOTOR CHANGE TO BE CONDUCTED ON EITHER BOGIE LINE OR ON LOCO LINE.
 5. FOR EARTHWORKS, LAYER WORKS AND INSULATION REFER TO DRG H353004-39000-220-272-0001-0002.
 6. PROVIDE EXTRACTION FAN FOR WELDING FUMES.
 7. PROVIDE FOR WELDING RECEPTALS AND POWER HYDRANTS FOR 347V AND 600V HOOKUPS IN DETAILED DESIGN.
 8. TRESTLE PAD POSITIONS ARE INDICATED ON THE LOCOMOTIVE AND ORE CAR SPECIFICATION SHEETS, SUPPLIED WITH SCOPE OF WORK SPECIFICATION.
 9. EXACT POSITION TO BE DEFINED BY CONTRACTOR TX004 FOR FIBRE OPTIC CABLE CONNECTION. CONTRACTOR C0001 TO LEAVE 50m COILED FIBRE OPTIC CABLE AT THE POWER CENTRE UNIT FOR TX004 TO TERMINATE.
 10. EXACT POSITION FOR POWER CENTRE UNIT TO BE DETERMINED BY TX004 CONTRACTOR.

DRAWING No.	DRAWING TITLE
H3530004-39000-220-272-0001-0005	RAIL WORKSHOP - COMPRESSED AIR AND LOCO SAND - PIPING LAYOUT
H3530004-39000-220-272-0001-0006	RAIL WORKSHOP - DISTILLED WATER, OIL AND GREASE - PIPING LAYOUT
H3530004-39000-220-272-0001-0003	RAIL WORKSHOP - DRAINAGE AND PIPING
H3530004-39000-220-272-0001-0002	RAIL WORKSHOP - SECTIONS AND DETAILS

NOT FOR CONSTRUCTION

No.	DESCRIPTION	REVISIONS
2	APPROVED FOR BID	
1A	CLIENT REVIEW	
1	APPROVED FOR BID	
0	APPROVED FOR BID	

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DRAFTSPERSON										GP MEADES										NR										28/03/2018																																																	
DESIGNER										GP MEADES										NR																																																											
CHECKER										C GOMBA										07/11/2018																																																											
DESIGN COORD.										B VORSTER										07/11/2018																																																											
RESP. ENG.										C GOMBA										07/11/2018																																																											
LEAD DISC. ENG.										P. BHULLA										07/11/2018																																																											
AREA LEAD										F VAN BULON										07/11/2018																																																											
ENG. MANAGER										D STANDER										07/11/2018																																																											
AREA MANAGER										F PITTMAN										07/11/2018																																																											
BY										CHKD										DATE										ROLE										NAME										SIGNATURE										DATE																			

MARY RIVER EXPANSION PROJECT
MILNE PORT

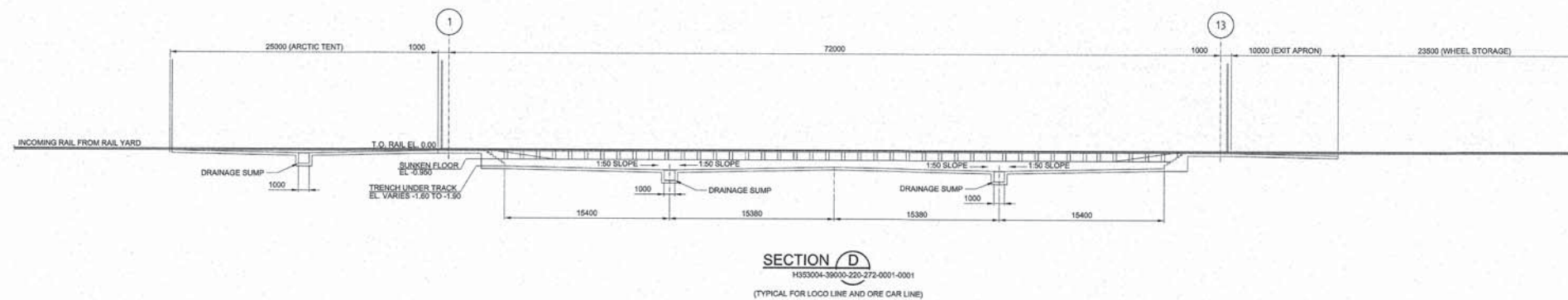
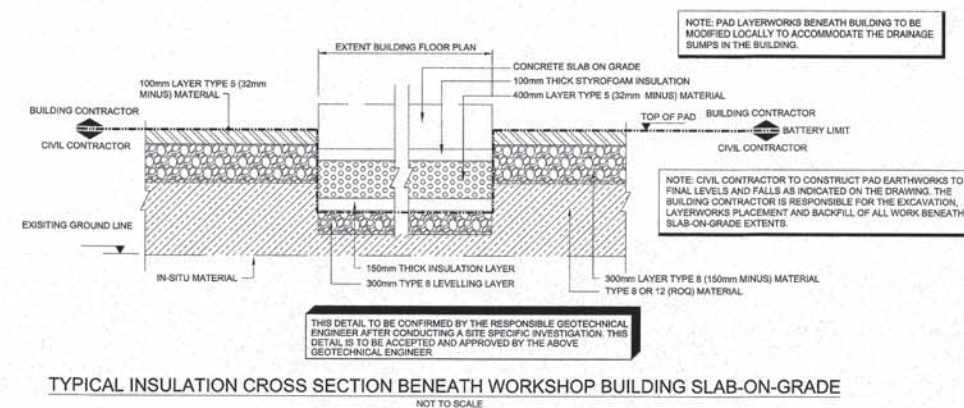
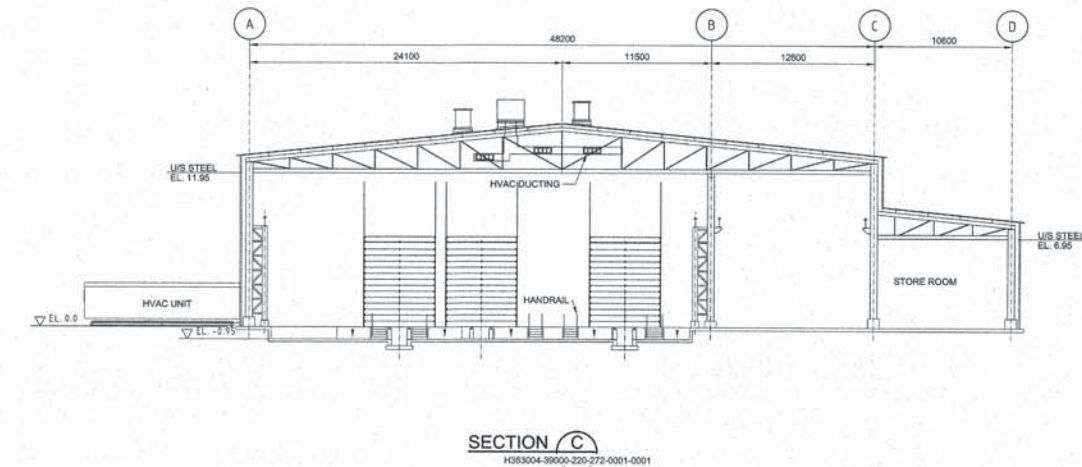
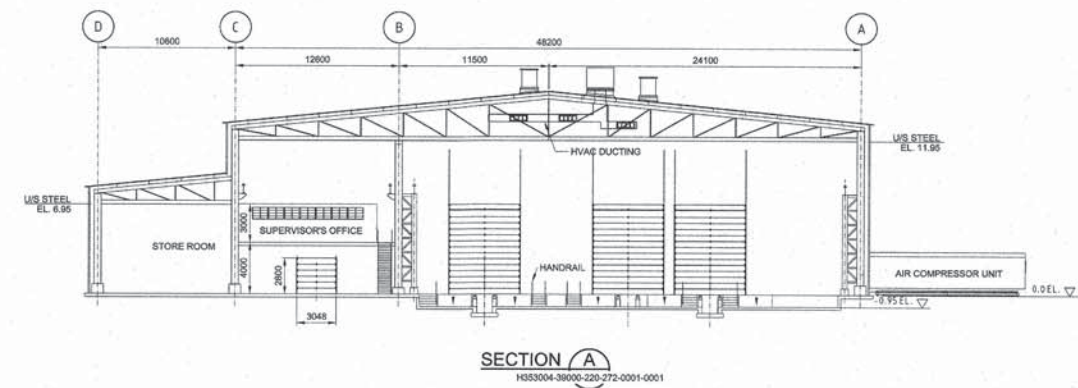
RAIL WORKSHOP
GENERAL ARRANGEMENT
FLOOR LAYOUT

DWG. No. H353004-39000-220-272-0001-0001

SCALE 1:200

REV 2

SHEET SIZE E



- NOTES:**
1. ALL STAIRS AND FORKLIFT RAMPS TO BE FITTED WITH HANDRAILS AND GUARD RAILS.
 2. OVERHEAD CRANE CAPACITY TO BE VALIDATED BY CONTRACTOR. CAPACITY WILL BE BASED ON G.W. LOCOMOTIVE WET WEIGHT FOR LOCOMOTIVE BODY WITHOUT BOGIES. SPECIFICATION SHEET WILL BE PROVIDED.
 3. HVAC SYSTEM TO BE DESIGNED BY SPECIALIST. HVAC ON DRAWING ONLY ILLUSTRATIVE.
 4. ALL STRUCTURAL WORK TO ENGINEER'S DESIGN.
 5. GEOTECHNICAL ENGINEER TO INVESTIGATE AND ACCEPT FOUNDING CONDITIONS AND DESIGN FOR FOUNDING. FOUNDING LAYERWORKS AND/OR DRAINAGE REQUIREMENTS AS WELL.

F	
H3630004-39000-220-272-0001-0005	RAIL WORKSHOP - COMPRESSED AIR AND LOCO SAND - PIPING LAYOUT
H3630004-39000-220-272-0001-0004	RAIL WORKSHOP - DISTILLED WATER, OIL AND GREASE - PIPING LAYOUT
H3630004-39000-220-272-0001-0003	RAIL WORKSHOP - DRAINAGE AND PIPING
H3630004-39000-220-272-0001-0001	RAIL WORKSHOP - FLOOR LAYOUT
DRAWING No.	DRAWING TITLE
	REFERENCE DRAWINGS

NOT FOR CONSTRUCTION

REG. PROFESSIONAL

0	APPROVED FOR BID
A	CLIENT REVIEW
No.	DESCRIPTION

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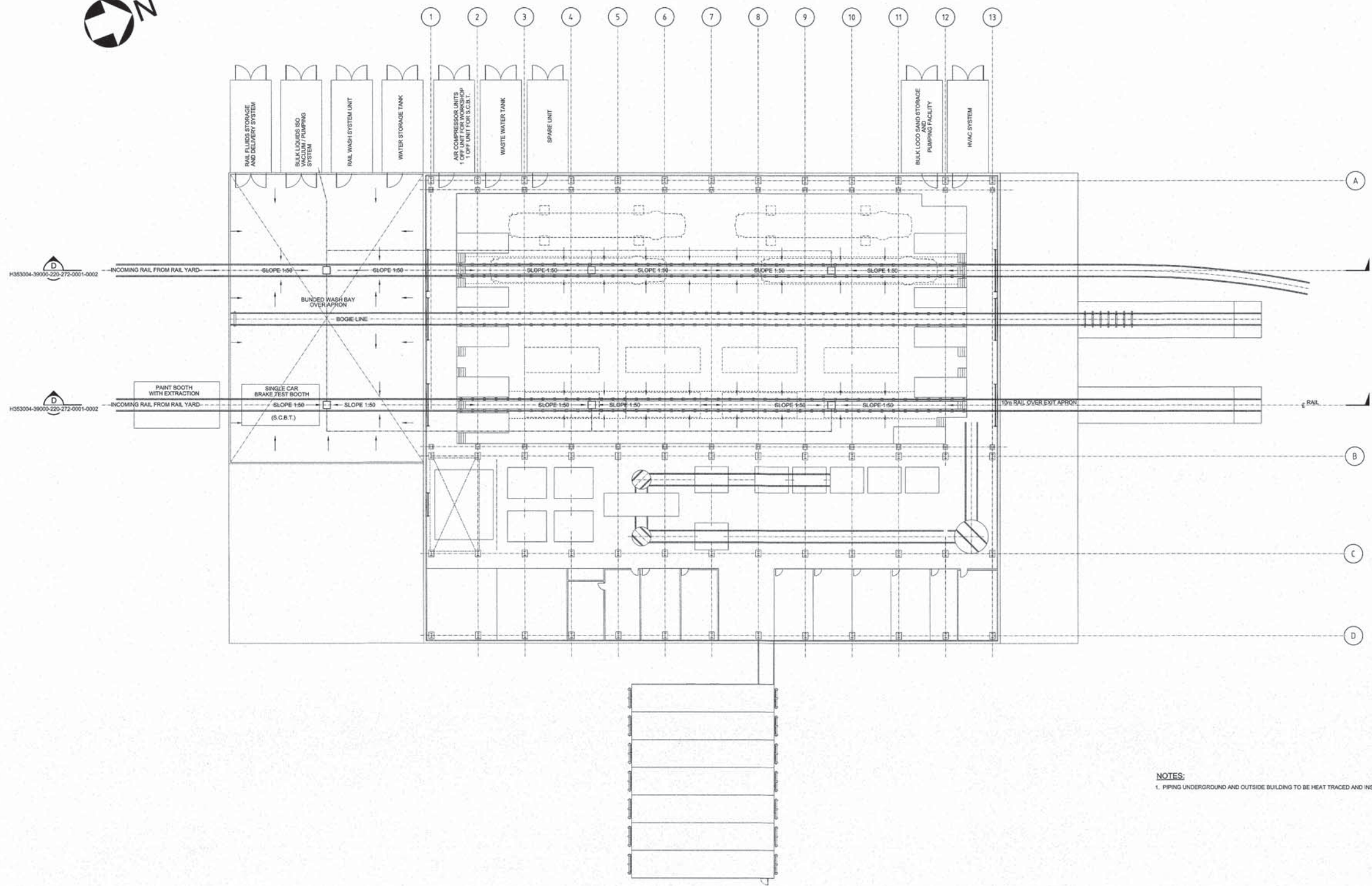
HATCH			
DRAFTSPERSON	G MEADES	NR	21/06/20
DESIGNER	G MEADES		
CHECKER	C GOMBA		
DESIGN COORD.	B VORSTER		
RESP. ENG.	C GOMBA		
LEAD DISC. ENG.	P RALLA		
AREA LEAD	F VAN BILJON		
ENG. MANAGER	D STANGER		
AREA MANAGER	F PITTMAN		
ROLE	NAME	SIGNATURE	DATE

	 Baffinland
018	MARY RIVER EXPANSION PROJECT

RAIL WORKSHOP GENERAL ARRANGEMENT SECTIONS AND DETAILS

SCALE 1:200 OR AS NOTED	DWG. No. H353004-39000-220-272-0001-0002	REV 0
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FILES



RAIL WORKSHOP FLOOR PLAN
SCALE 1:200

NOTES:
1. PIPING UNDERGROUND AND OUTSIDE BUILDING TO BE HEAT TRACED AND INSULATED.

DRAWING No.	DRAWING TITLE
H353004-39000-220-272-0001-0005	RAIL WORKSHOP - COMPRESSED AIR AND LOCO SAND - PIPING LAYOUT
H353004-39000-220-272-0001-0004	RAIL WORKSHOP - DISTILLED WATER, OIL AND GREASE - PIPING LAYOUT
H353004-39000-220-272-0001-0002	RAIL WORKSHOP - SECTIONS AND DETAILS
H353004-39000-220-272-0001-0001	RAIL WORKSHOP - FLOOR LAYOUT

NOT FOR CONSTRUCTION

0 APPROVED FOR BID
A CLIENT REVIEW

REG. PROFESSIONAL
No.

DESCRIPTION
BY CHK'D DATE

REVISIONS

HATCH

DRAFTSPERSON	G MEADES	NR	22/10/2019
DESIGNER	G MEADES	NR	22/10/2019
CHECKER	C GOMBA	07/11/2019	
DESIGN COORD.	B VORSTER	07/11/2019	
RESP. ENG.	C GOMBA	17/11/2019	
LEAD DISC. ENG.	L GRESSE	21/11/2019	
AREA LEAD	F VAN BILJON	21/11/2019	
ENG. MANAGER	D STANGER	12/11/2019	
AREA MANAGER	F PITTMAN	12/11/2019	

DRAWING APPROVAL STATUS: Approved for Bid

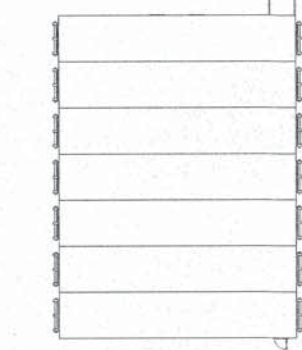
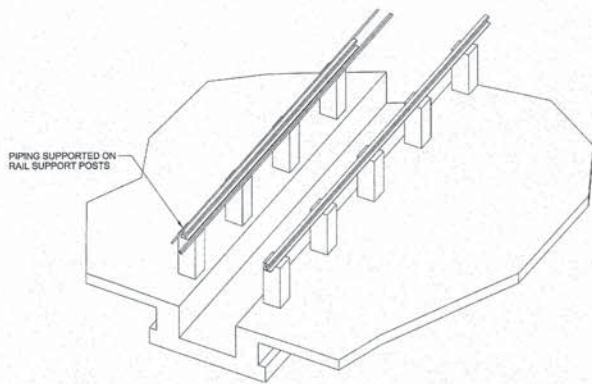
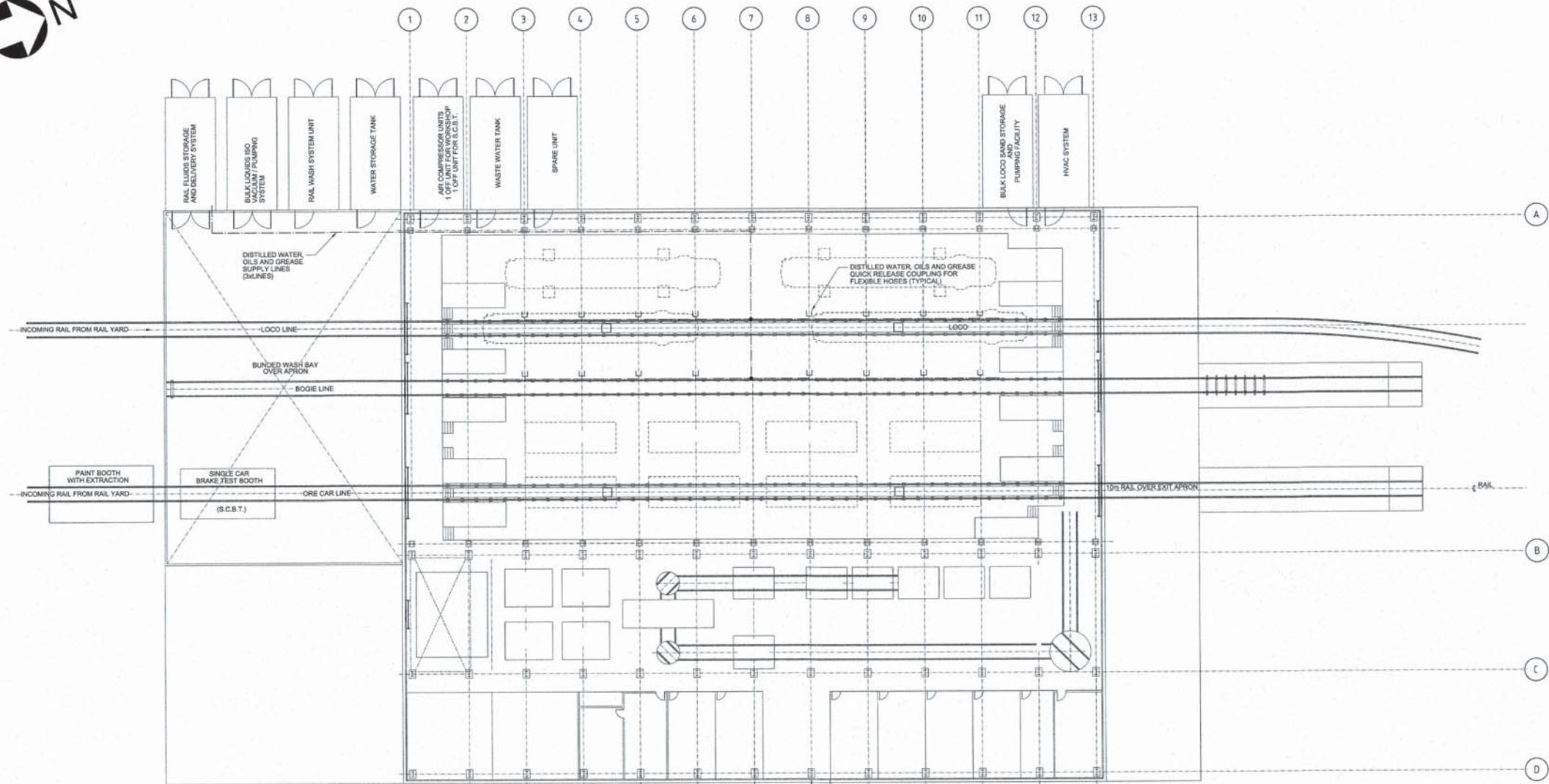
Baffinland

MARY RIVER EXPANSION PROJECT
MILNE PORT

RAIL WORKSHOP
GENERAL ARRANGEMENT
DRAINAGE AND PIPING

SCALE 1:200
DWG. No. H353004-39000-220-272-0001-0003
REV 0

SHEET SIZE: E



NOTES:
1. PIPING UNDERGROUND AND OUTSIDE BUILDING TO BE HEAT TRACED AND INSULATED.

DRAWING No.	DRAWING TITLE
H3530004-39000-220-272-0001-0005	RAIL WORKSHOP - COMPRESSED AIR AND LOCO SAND - PIPING LAYOUT
H3530004-39000-220-272-0001-0002	RAIL WORKSHOP - DRAINAGE AND PIPING
H3530004-39000-220-272-0001-0003	RAIL WORKSHOP - SECTIONS AND DETAILS
H3530004-39000-220-272-0001-0004	RAIL WORKSHOP - FLOOR LAYOUT
H3530004-39000-220-272-0001-0001	RAIL WORKSHOP - PIPING LAYOUT

REG. PROFESSIONAL

NOT FOR CONSTRUCTION

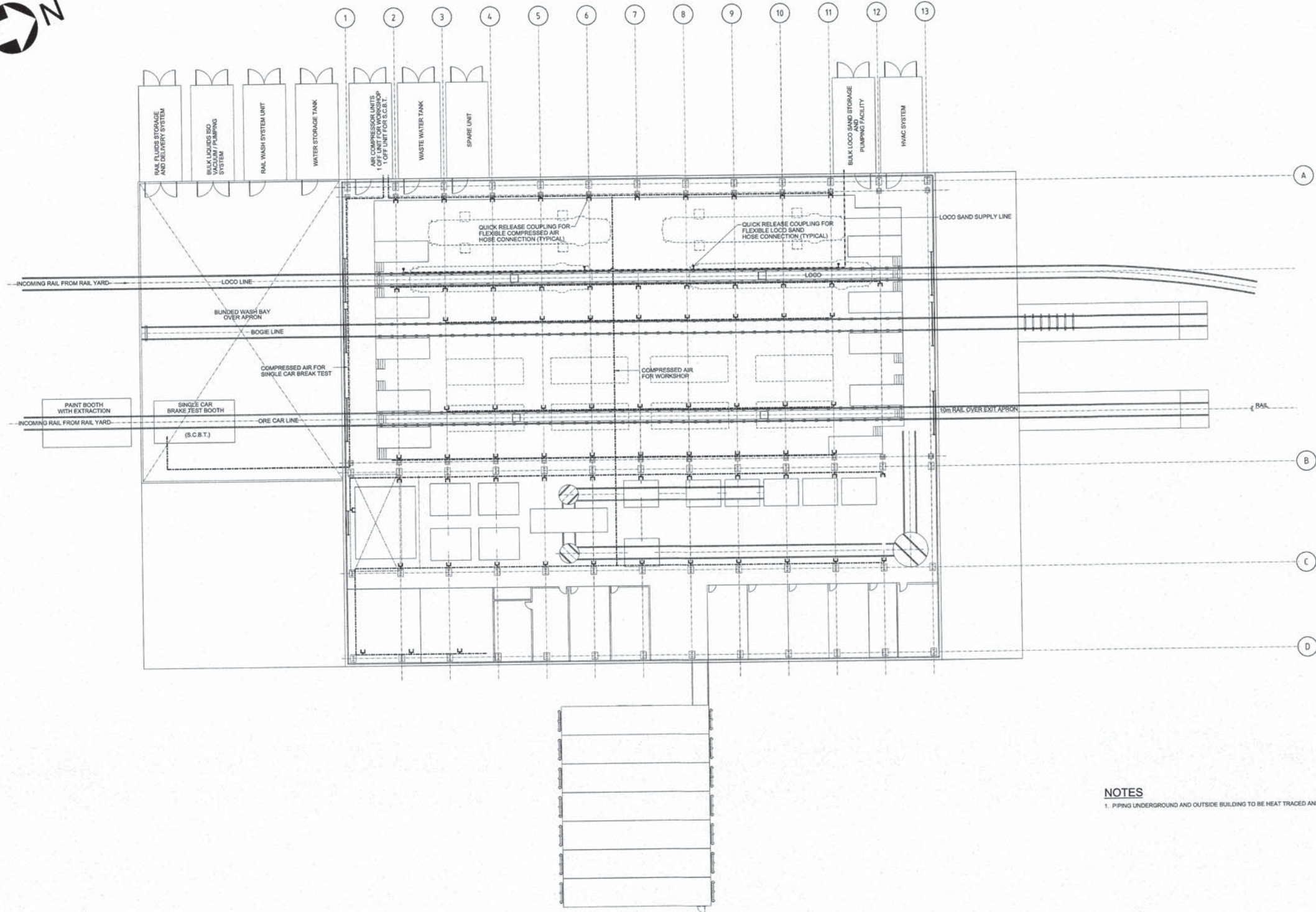
REVISIONS
0 APPROVED FOR BID
A CLIENT REVIEW

DESCRIPTION	BY	CHKD	DATE
0 APPROVED FOR BID	GPM	CG	2018/11/05
A CLIENT REVIEW	GPM	CG	2018/10/29

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	G MEADES		22/10/2018
DESIGNER	G MEADES		
CHECKER	C GOMBA		
DESIGN COORD.	B VORSTER		
RESP. ENG.	C GOMBA		
LEAD DISC. ENG.	L GRESSE		
AREA LEAD	F VAN BILJON		
ENG. MANAGER	D STANGER		
AREA MANAGER	F PITTMAN		

HATCH
MARY RIVER EXPANSION PROJECT MILNE PORT
RAIL WORKSHOP DISTILLED WATER, OIL AND GREASE PIPING LAYOUT
DWG. No. H3530004-39000-220-272-0001-0004
SCALE 1:200
DATE 22/10/2018
REV 0

STAGES
SHEET
SIZES



RAIL WORKSHOP FLOOR PLAN

NOTES
1. PIPING UNDERGROUND AND OUTSIDE BUILDING TO BE HEAT TRACED AND INSULATED.

DRAWING No.	DRAWING TITLE
H3530004-39000-220-272-0001-0004	RAIL WORKSHOP - DISTILLED WATER, OIL AND GREASE - PIPING LAYOUT
H3530004-39000-220-272-0001-0003	RAIL WORKSHOP - DRAINAGE AND PIPING
H3530004-39000-220-272-0001-0002	RAIL WORKSHOP - SECTIONS AND DETAILS
H3530004-39000-220-272-0001-0001	RAIL WORKSHOP - FLOOR LAYOUT

REG. PROFESSIONAL	DESCRIPTION	REVISIONS
No.		
0	APPROVED FOR BID	
A	CLIENT REVIEW	

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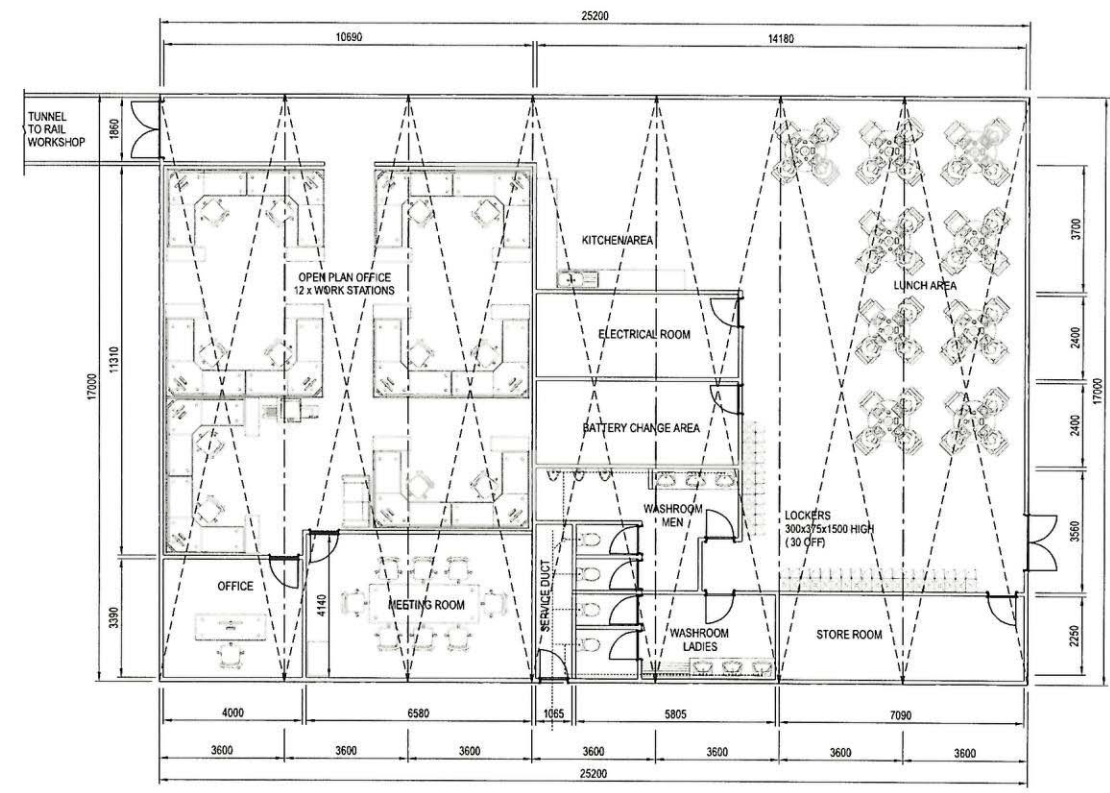
HATCH

DRAFTSPERSON	GP MEADES	NR	23/09/2018
DESIGNER	GP MEADES	NR	23/09/2018
CHECKER	C GOMBA	27/10/2018	27/10/2018
DESIGN COORD.	B VORSTER	27/10/2018	27/10/2018
RESP. ENG.	C GOMBA	27/10/2018	27/10/2018
LEAD DISC. ENG.	L GRESSE	27/10/2018	27/10/2018
AREA LEAD	F VAN BELJON	27/10/2018	27/10/2018
ENG. MANAGER	D STANGER	27/10/2018	27/10/2018
AREA MANAGER	F PITTMAN	27/10/2018	27/10/2018

Baffinland	
MARY RIVER EXPANSION PROJECT MILNE PORT	
RAIL WORKSHOP COMPRESSED AIR AND LOCO SAND PIPING LAYOUT	
SCALE: 1:200 OR AS NOTED	DWG. No.: H353004-39000-220-272-0001-0005

REV	DATE	DESCRIPTION
0		

DWG. No. H353004-39000-220-272-0002-0001



PLAN
SCALE 1:100

HATCH		Baffinland	
DRAFTSPERSON A VAN NIEKERK NR 18/11/17		BAFFINLAND IRON MINES LP	
DESIGNER A AQUIL NR 20/11/2017		MARY RIVER PROJECT	
CHECKER R GOOSEN 20/11/2017		MILNE PORT RAIL MAINTENANCE WORKSHOP	
DESIGN COORD. 20/11/2017		RAIL OFFICE TX003	
RESP. ENG. 20/11/2017		FLOOR LAYOUT	
LEAD DISC. ENG. 20/11/2017		SCALE 1:100	
AREA MANAGER F VAN BILJON 20/11/2017		DWG. No. H353004-39000-220-272-0002-0001	
PROJ. MANAGER 20/11/2017		REV 0	
CLIENT 20/11/2017		SHEET SIZE: D	
DRAWING APPROVAL STATUS: Not Started			

NAME	
SIGNATURE	
ENG REG NUMBER	
REVISION DATE	
ORIGINAL DATE	
REG. PROFESSIONAL	

0	APPROVED FOR BID.	AN	AA	20/11/2017
No.	DESCRIPTION	BY	CHK'D	DATE
REVISIONS				

1	2	3	4	5	6	7	8
DRAWING No. H353004-00000-224-272-0031-0001		DRAWING TITLE PORT YARD LINES AND TRIANGLE					
REFERENCE DRAWINGS							