GOVERNMENT OF BERMUDA
Ministry of Public Works and Environment

Annex I

Swing Bridge Replacement
2026

Reference Drawings

Plot date and time = 11/09/2025 15:09:56

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-Z-30001	SWING BRIDGE REPLACEMENT EXISTING SITE PLAN
3502-RAM-SB-XX-DR-Z-30011	SWING BRIDGE REPLACEMENT SITE CLEARANCE
3502-RAM-SB-XX-DR-Z-30021	SWING BRIDGE REPLACEMENT SERVICES
3502-RAM-SB-XX-DR-Z-30031	SWING BRIDGE REPLACEMENT SITE BOUNDARY
3502-RAM-SB-XX-DR-CB-30051	SWING BRIDGE REPLACEMENT DRAWING LIST SHEET 1
3502-RAM-SB-XX-DR-CB-30052	SWING BRIDGE REPLACEMENT DRAWING LIST SHEET 2
3502-RAM-SB-XX-DR-CB-30053	SWING BRIDGE REPLACEMENT DRAWING LIST SHEET 3
3502-RAM-SB-XX-DR-CB-30101	SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 1
3502-RAM-SB-XX-DR-CB-30102	SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 2
3502-RAM-SB-XX-DR-CB-30103	SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 3
3502-RAM-SB-XX-DR-CB-30111	SWING BRIDGE REPLACEMENT NOTES
3502-RAM-SB-XX-DR-CB-30201	SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 1
3502-RAM-SB-XX-DR-CB-30202	SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 2
3502-RAM-SB-XX-DR-CB-30203	SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 3
3502-RAM-SB-XX-DR-CB-30204	SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 4
3502-RAM-SB-XX-DR-CB-30301	SWING BRIDGE REPLACEMENT SETTING OUT
3502-RAM-SB-XX-DR-CB-31001	SWING BRIDGE REPLACEMENT PILING SHEET 1
3502-RAM-SB-XX-DR-CB-31002	SWING BRIDGE REPLACEMENT PILING SHEET 2
3502-RAM-SB-XX-SH-CB-31002	SWING BRIDGE REPLACEMENT PILING SHEET 2 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32001	SWING BRIDGE REPLACEMENT PIERS 2, 3, 6, 7 LAYOUT LAYOUT
3502-RAM-SB-XX-DR-CB-32011	SWING BRIDGE REPLACEMENT PIER 4 LAYOUT SHEET 1
3502-RAM-SB-XX-DR-CB-32012	SWING BRIDGE REPLACEMENT PIER 4 LAYOUT SHEET 2
3502-RAM-SB-XX-DR-CB-32013	SWING BRIDGE REPLACEMENT PIER 4 LAYOUT SHEET 3
3502-RAM-SB-XX-DR-CB-32021	SWING BRIDGE REPLACEMENT PIER 5 LAYOUT
3502-RAM-SB-XX-DR-CB-32501	SWING BRIDGE REPLACEMENT PILE CAP P2, P3, P6 AND P7 REINFORCEMENT DETAILS
3502-RAM-SB-XX-SH-CB-32501	SWING BRIDGE REPLACEMENT PILE CAP P2, P3, P6 AND P7 REINFORCEMENT DETAILS - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32502	SWING BRIDGE REPLACEMENT PIER 2 REINFORCEMENT
3502-RAM-SB-XX-SH-CB-32502	SWING BRIDGE REPLACEMENT PIER 2 REINFORCEMENT - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32503	SWING BRIDGE REPLACEMENT PIER 3 REINFORCEMENT
3502-RAM-SB-XX-SH-CB-32503	SWING BRIDGE REPLACEMENT PIER 3 REINFORCEMENT - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32504	SWING BRIDGE REPLACEMENT PIER 6 REINFORCEMENT
3502-RAM-SB-XX-SH-CB-32504	SWING BRIDGE REPLACEMENT PIER 6 REINFORCEMENT - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32505	SWING BRIDGE REPLACEMENT PIER 7 REINFORCEMENT
3502-RAM-SB-XX-SH-CB-32505	SWING BRIDGE REPLACEMENT PIER 7 REINFORCEMENT - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32511	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 1
3502-RAM-SB-XX-SH-CB-32511	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32512	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 2
3502-RAM-SB-XX-SH-CB-32512	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 2 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32513	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 3
3502-RAM-SB-XX-SH-CB-32513	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 3 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32514	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 4
3502-RAM-SB-XX-SH-CB-32514	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 4 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32515	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 5
3502-RAM-SB-XX-DR-CB-32516	SWING BRIDGE REPLACEMENT PIER 4 REINFORCEMENT REINFORCEMENT SHEET 6
3502-RAM-SB-XX-DR-CB-32521	SWING BRIDGE REPLACEMENT PIER 5 REINFORCEMENT SHEET 1
3502-RAM-SB-XX-SH-CB-32521	SWING BRIDGE REPLACEMENT PIER 5 REINFORCEMENT SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-32522	SWING BRIDGE REPLACEMENT PIER 5 REINFORCEMENT SHEET 2
3502-RAM-SB-XX-DR-CB-32523	SWING BRIDGE REPLACEMENT PIER 5 REINFORCEMENT SHEET 3
3502-RAM-SB-XX-SH-CB-32523	SWING BRIDGE REPLACEMENT PIER 5 REINFORCEMENT SHEET 3 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33001	SWING BRIDGE REPLACEMENT ABUTMENT 1 LAYOUT SHEET 1
3502-RAM-SB-XX-DR-CB-33002	SWING BRIDGE REPLACEMENT ABUTMENT 1 LAYOUT SHEET 2
3502-RAM-SB-XX-DR-CB-33011	SWING BRIDGE REPLACEMENT ABUTMENT 8 LAYOUT SHEET 1
3502-RAM-SB-XX-DR-CB-33012	SWING BRIDGE REPLACEMENT ABUTMENT 8 LAYOUT SHEET 2
3502-RAM-SB-XX-DR-CB-33013	SWING BRIDGE REPLACEMENT ABUTMENT 8 LAYOUT SHEET 3
3502-RAM-SB-XX-DR-CB-33021	SWING BRIDGE REPLACEMENT ABUTMENT LAYOUT REVETMENTS
3502-RAM-SB-XX-DR-CB-33501	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 1
3502-RAM-SB-XX-SH-CB-33501	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33502	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 2
3502-RAM-SB-XX-SH-CB-33502	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 2 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33503	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 3
3502-RAM-SB-XX-DR-CB-33504	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 4
3502-RAM-SB-XX-SH-CB-33504	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 4 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33505	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 5
3502-RAM-SB-XX-SH-CB-33505	SWING BRIDGE REPLACEMENT ABUTMENT 1 REINFORCEMENT SHEET 5 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33511	SWING BRIDGE REPLACEMENT ABUTMENT 8 REINFORCEMENT SHEET 1
3502-RAM-SB-XX-SH-CB-33511	SWING BRIDGE REPLACEMENT ABUTMENT 8 REINFORCEMENT SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33512	SWING BRIDGE REPLACEMENT ABUTMENT 8 REINFORCEMENT SHEET 2
3502-RAM-SB-XX-SH-CB-33512	SWING BRIDGE REPLACEMENT ABUTMENT 8 REINFORCEMENT SHEET 2 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-33513	SWING BRIDGE REPLACEMENT ABUTMENT 8 REINFORCEMENT SHEET 3
3502-RAM-SB-XX-SH-CB-33513	SWING BRIDGE REPLACEMENT ABUTMENT 8 REINFORCEMENT SHEET 3 - RC SCHEDULE

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-CB-37001	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 1
3502-RAM-SB-XX-DR-CB-37002	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 2
3502-RAM-SB-XX-DR-CB-37003	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 3
3502-RAM-SB-XX-DR-CB-37004	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 4
3502-RAM-SB-XX-DR-CB-37005	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 5
3502-RAM-SB-XX-DR-CB-37006	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 6
3502-RAM-SB-XX-DR-CB-37007	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 7
3502-RAM-SB-XX-DR-CB-37008	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 8
3502-RAM-SB-XX-DR-CB-37009	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 9
3502-RAM-SB-XX-DR-CB-37010	SWING BRIDGE REPLACEMENT APPROACH SPANS DECK LAYOUT SHEET 10
3502-RAM-SB-XX-DR-CB-37021	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 1
3502-RAM-SB-XX-DR-CB-37022	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 2
3502-RAM-SB-XX-DR-CB-37023	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 3
3502-RAM-SB-XX-DR-CB-37024	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 4
3502-RAM-SB-XX-DR-CB-37025	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 5
3502-RAM-SB-XX-DR-CB-37026	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 6
3502-RAM-SB-XX-DR-CB-37027	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 7
3502-RAM-SB-XX-DR-CB-37028	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 8
3502-RAM-SB-XX-DR-CB-37029	SWING BRIDGE REPLACEMENT LIFTING LEAF DECK LAYOUT SHEET 9
3502-RAM-SB-XX-DR-CB-37041	SWING BRIDGE REPLACEMENT PRECAMBER
3502-RAM-SB-XX-DR-CB-37045	SWING BRIDGE REPLACEMENT BEARING ARRANGEMENT SHEET 1
3502-RAM-SB-XX-DR-CB-37046	SWING BRIDGE REPLACEMENT BEARING ARRANGEMENT SHEET 2
3502-RAM-SB-XX-DR-CB-37501	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT SHEET 1
3502-RAM-SB-XX-SH-CB-37501	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-37502	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT SHEET 2
3502-RAM-SB-XX-SH-CB-37502	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT SHEET 2 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-37503	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT SHEET 3
3502-RAM-SB-XX-DR-CB-37504	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT SHEET 4
3502-RAM-SB-XX-DR-CB-37511	SWING BRIDGE REPLACEMENT PIERS 2, 3, 6 & 7 DIAPHRAGM REINFORCEMENT SHEET 1
3502-RAM-SB-XX-SH-CB-37511	SWING BRIDGE REPLACEMENT PIERS 2, 3, 6 & 7 DIAPHRAGM REINFORCEMENT SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-37512	SWING BRIDGE REPLACEMENT PIERS 2, 3, 6 & 7 DIAPHRAGM REINFORCEMENT SHEET 2
3502-RAM-SB-XX-DR-CB-37513	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT PIER P4 DIAPHRAGM SHEET 1
3502-RAM-SB-XX-SH-CB-37513	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT PIER P4 DIAPHRAGM SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-37514	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT PIER P4 DIAPHRAGM SHEET 2
3502-RAM-SB-XX-DR-CB-37515	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT PIER P5 DIAPHRAGM - SHEET 1
3502-RAM-SB-XX-SH-CB-37515	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT PIER P5 DIAPHRAGM SHEET 1 - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-37516	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT PIER P5 DIAPHRAGM SHEET 2
3502-RAM-SB-XX-DR-CB-37521	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT STRING COURSE
3502-RAM-SB-XX-DR-CB-37522	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT STRING COURSE
3502-RAM-SB-XX-SH-CB-37522	SWING BRIDGE REPLACEMENT DECK REINFORCEMENT STRING COURSE - RC SCHEDULE
3502-RAM-SB-XX-DR-CB-39001	SWING BRIDGE REPLACEMENT FINISHES SHEET 1
3502-RAM-SB-XX-DR-CB-39002	SWING BRIDGE REPLACEMENT FINISHES SHEET 2
3502-RAM-SB-XX-DR-CB-39003	SWING BRIDGE REPLACEMENT FINISHES SHEET 3
3502-RAM-SB-XX-DR-CB-39004	SWING BRIDGE REPLACEMENT FINISHES SHEET 4
3502-RAM-SB-XX-DR-CB-39005	SWING BRIDGE REPLACEMENT FINISHES SHEET 5

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-A-39101	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES ARCHITECTURAL KEY PLAN
3502-RAM-SB-XX-DR-A-39201	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES ABUTMENTS SHEET 1
3502-RAM-SB-XX-DR-A-39202	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES ABUTMENTS SHEET 2
3502-RAM-SB-XX-DR-A-39203	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES ABUTMENTS SHEET 3
3502-RAM-SB-XX-DR-A-39301	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 1
3502-RAM-SB-XX-DR-A-39302	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 2
3502-RAM-SB-XX-DR-A-39303	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 3
3502-RAM-SB-XX-DR-A-39304	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 4
3502-RAM-SB-XX-DR-A-39305	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 5
3502-RAM-SB-XX-DR-A-39306	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 6
3502-RAM-SB-XX-DR-A-39307	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 7
3502-RAM-SB-XX-DR-A-39308	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 8
3502-RAM-SB-XX-DR-A-39309	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 9
3502-RAM-SB-XX-DR-A-39310	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 10
3502-RAM-SB-XX-DR-A-39311	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 11
3502-RAM-SB-XX-DR-A-39312	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PARAPETS SHEET 12
3502-RAM-SB-XX-DR-A-39401	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PIERS SHEET 1
3502-RAM-SB-XX-DR-A-39402	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PIERS SHEET 2
3502-RAM-SB-XX-DR-A-39403	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES PIERS SHEET 3
3502-RAM-SB-XX-DR-A-39501	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES TRAFFIC SIGNALS & BARRIERS
3502-RAM-SB-XX-DR-A-39601	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES GENERAL FINISHES SHEET 1
3502-RAM-SB-XX-DR-A-39602	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES GENERAL FINISHES SHEET 2
3502-RAM-SB-XX-DR-A-39603	SWING BRIDGE REPLACEMENT ARCHITECTURAL FINISHES GENERAL FINISHES SHEET 3

Rev	Description	Date	By	Chk	App
T01	ISSUE FOR TENDER	12.09.25	CAB	JFRW	SPT

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title:
SWING BRIDGE REPLACEMENT DRAWING LIST SHEET 1

Status:
ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
C.Bargent	MAY.2019	NTS

Drawing No.: 3502-RAM-SB-XX-DR-CB-30051

Rev: T01

Plot date and time = 11/09/2025 15:10:06

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-ME-30001	SWING BRIDGE REPLACEMENT MECHANICAL EQUIPMENT ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-30002	SWING BRIDGE REPLACEMENT MECHANICAL EQUIPMENT ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-30003	SWING BRIDGE REPLACEMENT MECHANICAL EQUIPMENT ASSEMBLY SHEET 3
3502-RAM-SB-XX-DR-ME-30004	SWING BRIDGE REPLACEMENT MECHANICAL EQUIPMENT ASSEMBLY SHEET 4
3502-RAM-SB-XX-DR-ME-30005	SWING BRIDGE REPLACEMENT MECHANICAL EQUIPMENT ASSEMBLY SHEET 5
3502-RAM-SB-XX-DR-ME-31001	SWING BRIDGE REPLACEMENT EAST PIVOT ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-31002	SWING BRIDGE REPLACEMENT EAST PIVOT ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-31501	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 1
3502-RAM-SB-XX-DR-ME-31502	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 2
3502-RAM-SB-XX-DR-ME-31503	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 3
3502-RAM-SB-XX-DR-ME-31504	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 4
3502-RAM-SB-XX-DR-ME-31505	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 5
3502-RAM-SB-XX-DR-ME-31506	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 6
3502-RAM-SB-XX-DR-ME-31507	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 7
3502-RAM-SB-XX-DR-ME-31508	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 8
3502-RAM-SB-XX-DR-ME-31509	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 9
3502-RAM-SB-XX-DR-ME-31510	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 10
3502-RAM-SB-XX-DR-ME-31511	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 11
3502-RAM-SB-XX-DR-ME-31512	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 12
3502-RAM-SB-XX-DR-ME-31513	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 13
3502-RAM-SB-XX-DR-ME-31514	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 14
3502-RAM-SB-XX-DR-ME-31515	SWING BRIDGE REPLACEMENT PIVOT SINGLE PARTS DETAILS SHEET 15
3502-RAM-SB-XX-DR-ME-32001	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-32002	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-32501	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 1
3502-RAM-SB-XX-DR-ME-32502	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 2
3502-RAM-SB-XX-DR-ME-32503	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 3
3502-RAM-SB-XX-DR-ME-32504	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 4
3502-RAM-SB-XX-DR-ME-32505	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 5
3502-RAM-SB-XX-DR-ME-32506	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 6
3502-RAM-SB-XX-DR-ME-32507	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 7
3502-RAM-SB-XX-DR-ME-32508	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 8
3502-RAM-SB-XX-DR-ME-32509	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 9
3502-RAM-SB-XX-DR-ME-32510	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 10
3502-RAM-SB-XX-DR-ME-32511	SWING BRIDGE REPLACEMENT LOWER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 11
3502-RAM-SB-XX-DR-ME-33001	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-33002	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-33501	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 1
3502-RAM-SB-XX-DR-ME-33502	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 2
3502-RAM-SB-XX-DR-ME-33503	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 3
3502-RAM-SB-XX-DR-ME-33504	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 4
3502-RAM-SB-XX-DR-ME-33508	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 8
3502-RAM-SB-XX-DR-ME-33509	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 9
3502-RAM-SB-XX-DR-ME-33510	SWING BRIDGE REPLACEMENT UPPER CYLINDER MOUNT ASSEMBLY SINGLE PARTS DETAILS SHEET 10

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-ME-35001	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-35002	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-35003	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SHEET 3
3502-RAM-SB-XX-DR-ME-35004	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SHEET 4
3502-RAM-SB-XX-DR-ME-35011	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY OH SHEET 1
3502-RAM-SB-XX-DR-ME-35012	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY OH SHEET 2
3502-RAM-SB-XX-DR-ME-35013	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY OH SHEET 3
3502-RAM-SB-XX-DR-ME-35014	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY OH SHEET 4
3502-RAM-SB-XX-DR-ME-35101	SWING BRIDGE REPLACEMENT UPPER BARRIER ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-35111	SWING BRIDGE REPLACEMENT UPPER BARRIER ASSEMBLY OH SHEET 1
3502-RAM-SB-XX-DR-ME-35201	SWING BRIDGE REPLACEMENT LOWER BARRIER ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-35211	SWING BRIDGE REPLACEMENT UPPER BARRIER ASSEMBLY OH SHEET 1
3502-RAM-SB-XX-DR-ME-35501	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 1
3502-RAM-SB-XX-DR-ME-35502	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 2
3502-RAM-SB-XX-DR-ME-35503	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 3
3502-RAM-SB-XX-DR-ME-35504	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 4
3502-RAM-SB-XX-DR-ME-35505	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 5
3502-RAM-SB-XX-DR-ME-35506	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 6
3502-RAM-SB-XX-DR-ME-35507	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 7
3502-RAM-SB-XX-DR-ME-35508	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 8
3502-RAM-SB-XX-DR-ME-35509	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 9
3502-RAM-SB-XX-DR-ME-35510	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 10
3502-RAM-SB-XX-DR-ME-35511	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 11
3502-RAM-SB-XX-DR-ME-35512	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 12
3502-RAM-SB-XX-DR-ME-35513	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 13
3502-RAM-SB-XX-DR-ME-35514	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 14
3502-RAM-SB-XX-DR-ME-35515	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 15
3502-RAM-SB-XX-DR-ME-35516	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 16
3502-RAM-SB-XX-DR-ME-35517	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 17
3502-RAM-SB-XX-DR-ME-35518	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 18
3502-RAM-SB-XX-DR-ME-35519	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 19
3502-RAM-SB-XX-DR-ME-35520	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 20
3502-RAM-SB-XX-DR-ME-35521	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 21
3502-RAM-SB-XX-DR-ME-35522	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 22
3502-RAM-SB-XX-DR-ME-35523	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 23
3502-RAM-SB-XX-DR-ME-35524	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 24
3502-RAM-SB-XX-DR-ME-35525	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 25
3502-RAM-SB-XX-DR-ME-35526	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 26
3502-RAM-SB-XX-DR-ME-35527	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 27
3502-RAM-SB-XX-DR-ME-35528	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 28
3502-RAM-SB-XX-DR-ME-35529	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 29
3502-RAM-SB-XX-DR-ME-35530	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 30
3502-RAM-SB-XX-DR-ME-35531	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 31
3502-RAM-SB-XX-DR-ME-35532	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 32
3502-RAM-SB-XX-DR-ME-35533	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 33
3502-RAM-SB-XX-DR-ME-35534	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLE SINGLE PARTS DETAILS SHEET 34
3502-RAM-SB-XX-DR-ME-35601	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 1
3502-RAM-SB-XX-DR-ME-35602	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 2
3502-RAM-SB-XX-DR-ME-35603	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 3
3502-RAM-SB-XX-DR-ME-35604	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 4
3502-RAM-SB-XX-DR-ME-35605	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 5
3502-RAM-SB-XX-DR-ME-35606	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 6
3502-RAM-SB-XX-DR-ME-35607	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 7
3502-RAM-SB-XX-DR-ME-35608	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS OH SHEET 8
3502-RAM-SB-XX-DR-ME-35609	SWING BRIDGE REPLACEMENT BARRIER ASSEMBLY SINGLE PARTS DETAILS SHEET 9
3502-RAM-SB-XX-DR-ME-36101	SWING BRIDGE REPLACEMENT CCTV LAYOUT
3502-RAM-SB-XX-DR-ME-36201	SWING BRIDGE REPLACEMENT HPU & ELECTRICAL SUPPLIES LAYOUT SHEET 1
3502-RAM-SB-XX-DR-ME-36202	SWING BRIDGE REPLACEMENT HPU & ELECTRICAL SUPPLIES LAYOUT SHEET 2

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-ME-36501	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 1
3502-RAM-SB-XX-DR-ME-36502	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 2
3502-RAM-SB-XX-DR-ME-36503	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 3
3502-RAM-SB-XX-DR-ME-36504	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 4
3502-RAM-SB-XX-DR-ME-36505	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 5
3502-RAM-SB-XX-DR-ME-36506	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 6
3502-RAM-SB-XX-DR-ME-36507	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 7
3502-RAM-SB-XX-DR-ME-36508	SWING BRIDGE REPLACEMENT HYDRAULIC CIRCUIT AND PARTS LIST SHEET 8
3502-RAM-SB-XX-DR-ME-37001	SWING BRIDGE REPLACEMENT HYDRAULIC EQUIPMENT GENERAL ARRANGEMENT SHEET 1
3502-RAM-SB-XX-DR-ME-37002	SWING BRIDGE REPLACEMENT HYDRAULIC EQUIPMENT GENERAL ARRANGEMENT SHEET 2
3502-RAM-SB-XX-DR-ME-37003	SWING BRIDGE REPLACEMENT HYDRAULIC EQUIPMENT GENERAL ARRANGEMENT SHEET 3
3502-RAM-SB-XX-DR-ME-37004	SWING BRIDGE REPLACEMENT HYDRAULIC EQUIPMENT GENERAL ARRANGEMENT SHEET 4
3502-RAM-SB-XX-DR-ME-37005	SWING BRIDGE REPLACEMENT HYDRAULIC EQUIPMENT GENERAL ARRANGEMENT SHEET 5
3502-RAM-SB-XX-DR-ME-37006	SWING BRIDGE REPLACEMENT HYDRAULIC EQUIPMENT GENERAL ARRANGEMENT SHEET 6
3502-RAM-SB-XX-DR-ME-37501	SWING BRIDGE REPLACEMENT HYDRAULIC CYLINDER GENERAL ARRANGEMENT
3502-RAM-SB-XX-DR-ME-37901	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 1
3502-RAM-SB-XX-DR-ME-37902	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 2
3502-RAM-SB-XX-DR-ME-37903	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 3
3502-RAM-SB-XX-DR-ME-37904	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 4
3502-RAM-SB-XX-DR-ME-37905	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 5
3502-RAM-SB-XX-DR-ME-37906	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 6
3502-RAM-SB-XX-DR-ME-37907	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 7
3502-RAM-SB-XX-DR-ME-37908	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 8
3502-RAM-SB-XX-DR-ME-37909	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 9
3502-RAM-SB-XX-DR-ME-37910	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 10
3502-RAM-SB-XX-DR-ME-37911	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 11
3502-RAM-SB-XX-DR-ME-37912	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN GENERAL ARRANGEMENT SHEET 12
3502-RAM-SB-XX-DR-ME-38003	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 3
3502-RAM-SB-XX-DR-ME-38004	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 4
3502-RAM-SB-XX-DR-ME-38005	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 5
3502-RAM-SB-XX-DR-ME-38006	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 6
3502-RAM-SB-XX-DR-ME-38007	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 7
3502-RAM-SB-XX-DR-ME-38008	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 8
3502-RAM-SB-XX-DR-ME-38009	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 9
3502-RAM-SB-XX-DR-ME-38010	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 10
3502-RAM-SB-XX-DR-ME-38011	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 11
3502-RAM-SB-XX-DR-ME-38012	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 12
3502-RAM-SB-XX-DR-ME-38013	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 13
3502-RAM-SB-XX-DR-ME-38014	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 14
3502-RAM-SB-XX-DR-ME-38015	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 15
3502-RAM-SB-XX-DR-ME-38016	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 16
3502-RAM-SB-XX-DR-ME-38017	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 17
3502-RAM-SB-XX-DR-ME-38018	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 18
3502-RAM-SB-XX-DR-ME-38019	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 19
3502-RAM-SB-XX-DR-ME-38020	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 20
3502-RAM-SB-XX-DR-ME-38021	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 21
3502-RAM-SB-XX-DR-ME-38022	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 22
3502-RAM-SB-XX-DR-ME-38023	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 23
3502-RAM-SB-XX-DR-ME-38024	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 24
3502-RAM-SB-XX-DR-ME-38025	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 25
3502-RAM-SB-XX-DR-ME-38026	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 26
3502-RAM-SB-XX-DR-ME-38027	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 27
3502-RAM-SB-XX-DR-ME-38028	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 28
3502-RAM-SB-XX-DR-ME-38029	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 29
3502-RAM-SB-XX-DR-ME-38030	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 30
3502-RAM-SB-XX-DR-ME-38031	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 31
3502-RAM-SB-XX-DR-ME-38032	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 32
3502-RAM-SB-XX-DR-ME-38033	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 33
3502-RAM-SB-XX-DR-ME-38034	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 34
3502-RAM-SB-XX-DR-ME-38035	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 35
3502-RAM-SB-XX-DR-ME-38036	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 36
3502-RAM-SB-XX-DR-ME-38037	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 37
3502-RAM-SB-XX-DR-ME-38038	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 38
3502-RAM-SB-XX-DR-ME-38039	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 39
3502-RAM-SB-XX-DR-ME-38040	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 40

Rev	Description	Date	By / Chk	App
T01	ISSUE FOR TENDER	12.09.25	CAB / JFRW	SPT

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title:
SWING BRIDGE REPLACEMENT DRAWING LIST SHEET 2

Status:
ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
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DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-ME-38041	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 41
3502-RAM-SB-XX-DR-ME-38042	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 42
3502-RAM-SB-XX-DR-ME-38043	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 43
3502-RAM-SB-XX-DR-ME-38044	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 44
3502-RAM-SB-XX-DR-ME-38045	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 45
3502-RAM-SB-XX-DR-ME-38046	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 46
3502-RAM-SB-XX-DR-ME-38047	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 47
3502-RAM-SB-XX-DR-ME-38048	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 48
3502-RAM-SB-XX-DR-ME-38049	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 49
3502-RAM-SB-XX-DR-ME-38050	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 50
3502-RAM-SB-XX-DR-ME-38051	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 51
3502-RAM-SB-XX-DR-ME-38052	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 52
3502-RAM-SB-XX-DR-ME-38053	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 53
3502-RAM-SB-XX-DR-ME-38054	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 54
3502-RAM-SB-XX-DR-ME-38055	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 55
3502-RAM-SB-XX-DR-ME-38056	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 56
3502-RAM-SB-XX-DR-ME-38057	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 57
3502-RAM-SB-XX-DR-ME-38058	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 58
3502-RAM-SB-XX-DR-ME-38059	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 59
3502-RAM-SB-XX-DR-ME-38060	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 60
3502-RAM-SB-XX-DR-ME-38061	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 61
3502-RAM-SB-XX-DR-ME-38062	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 62
3502-RAM-SB-XX-DR-ME-38063	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 63
3502-RAM-SB-XX-DR-ME-38064	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 64
3502-RAM-SB-XX-DR-ME-38065	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 65
3502-RAM-SB-XX-DR-ME-38066	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 66
3502-RAM-SB-XX-DR-ME-38067	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 67
3502-RAM-SB-XX-DR-ME-38068	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 68
3502-RAM-SB-XX-DR-ME-38069	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 69
3502-RAM-SB-XX-DR-ME-38070	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 70
3502-RAM-SB-XX-DR-ME-38071	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 71
3502-RAM-SB-XX-DR-ME-38072	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 72
3502-RAM-SB-XX-DR-ME-38073	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 73
3502-RAM-SB-XX-DR-ME-38074	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 74
3502-RAM-SB-XX-DR-ME-38075	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 75
3502-RAM-SB-XX-DR-ME-38076	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 76
3502-RAM-SB-XX-DR-ME-38077	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 77
3502-RAM-SB-XX-DR-ME-38078	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 78
3502-RAM-SB-XX-DR-ME-38079	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 79
3502-RAM-SB-XX-DR-ME-38080	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 80
3502-RAM-SB-XX-DR-ME-38081	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 81
3502-RAM-SB-XX-DR-ME-38082	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 82
3502-RAM-SB-XX-DR-ME-38083	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 83
3502-RAM-SB-XX-DR-ME-38084	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 84
3502-RAM-SB-XX-DR-ME-38085	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 85
3502-RAM-SB-XX-DR-ME-38086	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 86
3502-RAM-SB-XX-DR-ME-38087	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 87
3502-RAM-SB-XX-DR-ME-38088	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 88
3502-RAM-SB-XX-DR-ME-38089	SWING BRIDGE REPLACEMENT ELECTRICAL DESIGN SCHEMATICS SHEET 89

DRAWING NUMBER	DRAWING TITLE
3502-RAM-SB-XX-DR-ME-39001	SWING BRIDGE REPLACEMENT CABLE SINGLE LINE DIAGRAM SHEET 1
3502-RAM-SB-XX-DR-ME-39002	SWING BRIDGE REPLACEMENT CABLE SINGLE LINE DIAGRAM SHEET 2
3502-RAM-SB-XX-DR-ME-40001	SWING BRIDGE REPLACEMENT SHOCK ABSORBER ASSEMBLY ASSEMBLY
3502-RAM-SB-XX-DR-ME-40501	SWING BRIDGE REPLACEMENT SHOCK ABSORBER ASSEMBLY SINGLE PARTS DETAILS
3502-RAM-SB-XX-DR-ME-41001	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY
3502-RAM-SB-XX-DR-ME-41002	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY
3502-RAM-SB-XX-DR-ME-41501	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY SINGLE PARTS DETAILS SHEET 1
3502-RAM-SB-XX-DR-ME-41502	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY SINGLE PARTS DETAILS SHEET 2
3502-RAM-SB-XX-DR-ME-41503	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY SINGLE PARTS DETAILS SHEET 3
3502-RAM-SB-XX-DR-ME-41504	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY SINGLE PARTS DETAILS SHEET 4
3502-RAM-SB-XX-DR-ME-41505	SWING BRIDGE REPLACEMENT NOSE LATERAL RESTRAINT PAD ASSEMBLY SINGLE PARTS DETAILS SHEET 5
3502-RAM-SB-XX-DR-ME-42001	SWING BRIDGE REPLACEMENT WEST PIVOT ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-42002	SWING BRIDGE REPLACEMENT WEST PIVOT ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-42003	SWING BRIDGE REPLACEMENT WEST PIVOT ASSEMBLY SHEET 3
3502-RAM-SB-XX-DR-ME-42004	SWING BRIDGE REPLACEMENT WEST PIVOT ASSEMBLY SHEET 4
3502-RAM-SB-XX-DR-ME-42501	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 1
3502-RAM-SB-XX-DR-ME-42502	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 2
3502-RAM-SB-XX-DR-ME-42503	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 3
3502-RAM-SB-XX-DR-ME-42504	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 4
3502-RAM-SB-XX-DR-ME-42505	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 5
3502-RAM-SB-XX-DR-ME-42506	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 6
3502-RAM-SB-XX-DR-ME-42507	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 7
3502-RAM-SB-XX-DR-ME-42508	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 8
3502-RAM-SB-XX-DR-ME-42509	SWING BRIDGE REPLACEMENT WEST PIVOT SINGLE PARTS DETAILS SHEET 9
3502-RAM-SB-XX-DR-ME-42510	SWING BRIDGE REPLACEMENT WEST PIVOT OVERDRIVE SENSOR TARGET PLATE
3502-RAM-SB-XX-DR-ME-43001	SWING BRIDGE REPLACEMENT NOSE SENSOR ASSEMBLY SHEET 1
3502-RAM-SB-XX-DR-ME-43002	SWING BRIDGE REPLACEMENT NOSE SENSOR ASSEMBLY SHEET 2
3502-RAM-SB-XX-DR-ME-43501	SWING BRIDGE REPLACEMENT NOSE SENSOR SINGLE PARTS DETAILS
3502-RAM-SB-XX-DR-ME-44001	SWING BRIDGE REPLACEMENT PLANT ROOM
3502-RAM-SB-XX-DR-ME-45001	SWING BRIDGE REPLACEMENT PIN INSTALLATION SHEET 1
3502-RAM-SB-XX-DR-ME-45002	SWING BRIDGE REPLACEMENT PIN INSTALLATION SHEET 2
3502-RAM-SB-XX-DR-ME-45003	SWING BRIDGE REPLACEMENT PIN INSTALLATION SHEET 3
3502-RAM-SB-XX-DR-ME-46001	SWING BRIDGE REPLACEMENT CONTROL PANEL DESK LAYOUT
3502-RAM-SB-XX-DR-ME-46002	SWING BRIDGE REPLACEMENT CONTROL ROOM PADLOCK STORAGE RACK
3502-RAM-SB-XX-DR-ME-47001	SWING BRIDGE REPLACEMENT LIGHTNING PROTECTION
3502-RAM-SB-XX-DR-ME-48001	SWING BRIDGE REPLACEMENT CYLINDER LASHING PLATE SHEET 1
3502-RAM-SB-XX-DR-ME-48501	SWING BRIDGE REPLACEMENT CYLINDER LASHING PLATE SHEET 2

Rev	Description	Date	By	Chk	App
T01	ISSUE FOR TENDER	12.09.25	CAB	JFRW	SPT

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title:
SWING BRIDGE REPLACEMENT DRAWING LIST SHEET 3

Status:
ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
C.Bargent	AUG.2019	NTS

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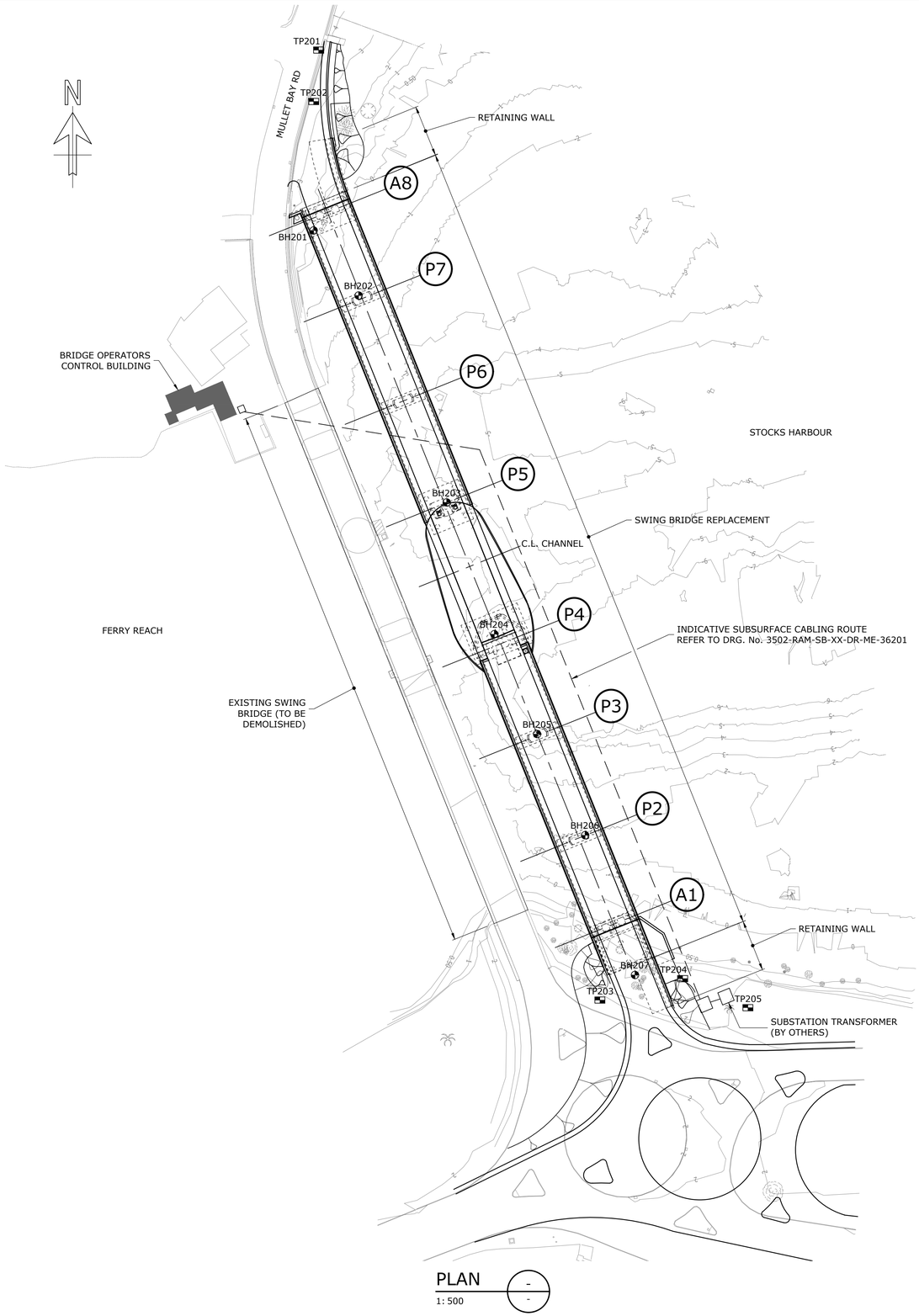

PLAN - -
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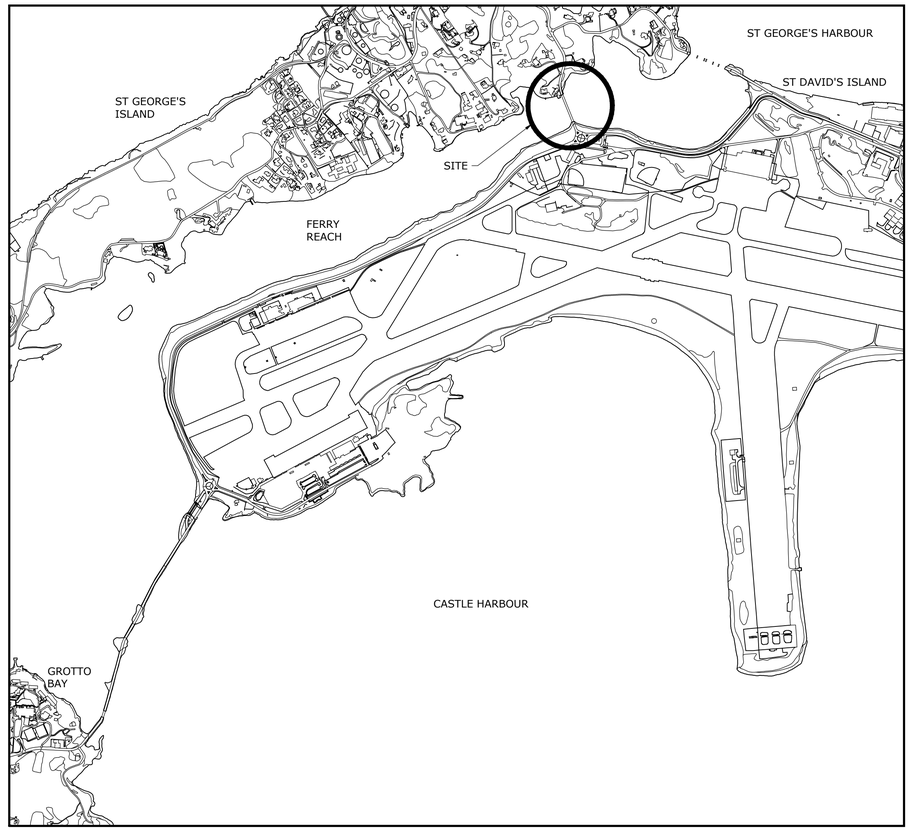

PLAN - -
1: 10000
LOCATION PLAN

NOTES

1. FOR NOTES REFER TO DRAWING 3502-RAM-SB-XX-DR-CB-30111.
2. FOR LIMITS OF CONTRACT REFER TO DRAWING 3502-RAM-SB-XX-DR-Z-30031.

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RAMBOLL
Knight Architects
EADON CONSULTING

Project Title: REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Status: ISSUE FOR TENDER

Drawing Title: SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 1

Drawn:	Date:	Scale (at A1):
M.Cooper	APR.2019	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-CB-30101

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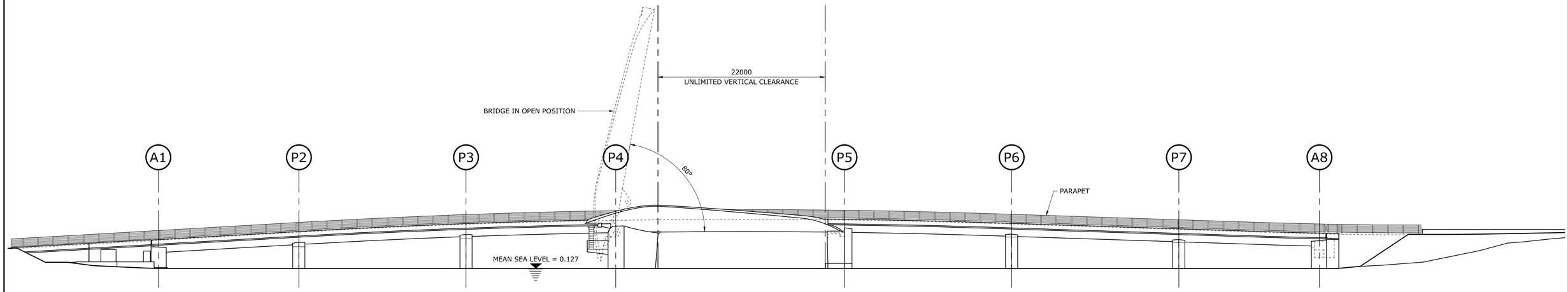
Plot date and time = 11/09/2025 15:10:37



ELEVATION A-A
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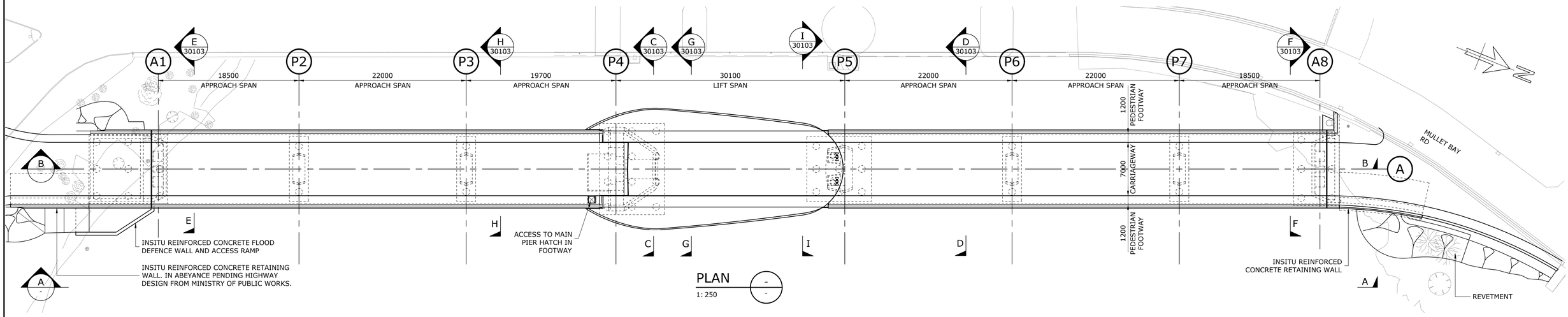

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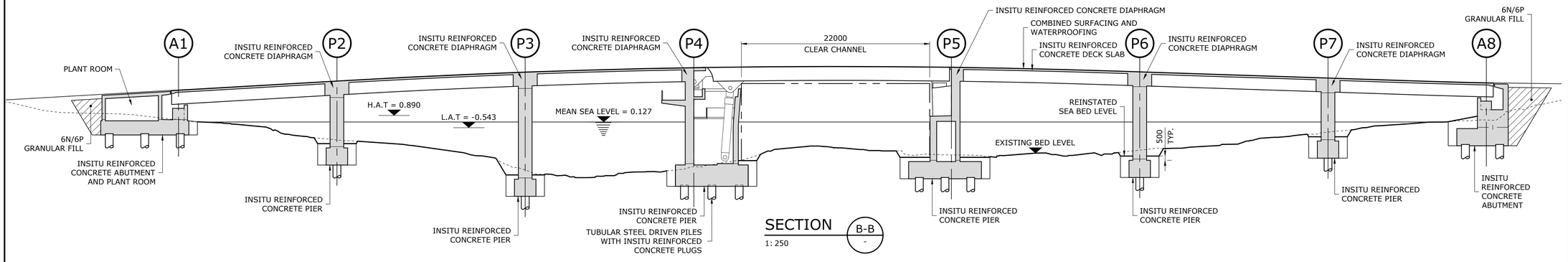

SECTION B-B
1: 250

NOTES

1. FOR NOTES REFER TO DRAWING: 3502-RAM-SB-XX-DR-CB-30111.

Rev	Description	Date	By / Chk	App
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RAMBOLL
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Drawing Title: SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 2

Drawn:	Date:	Scale (at A1):
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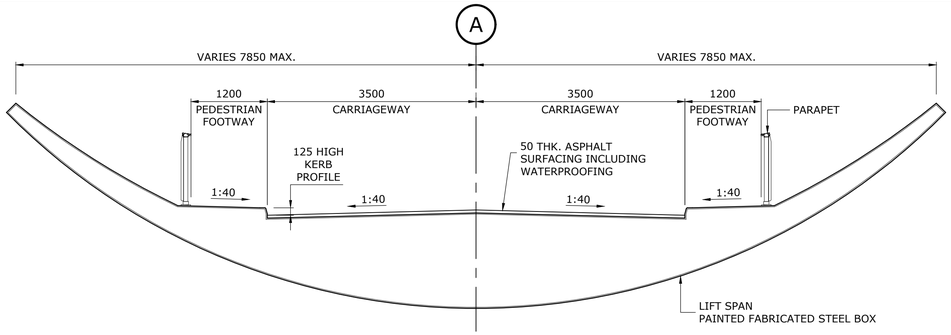
Drawing No.: 3502-RAM-SB-XX-DR-CB-30102

Rev: T01

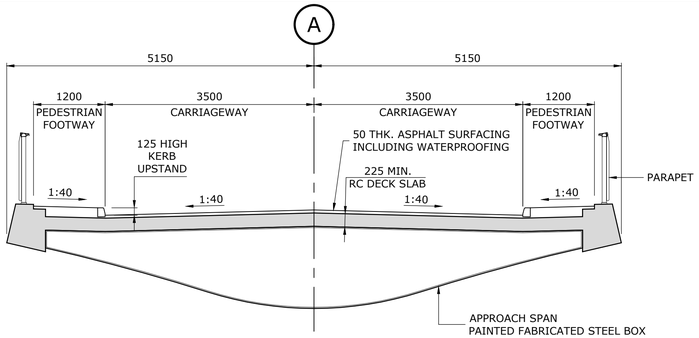
Plot date and time = 11/09/2025 15:10:47



SECTION C-C (30102)

1: 50

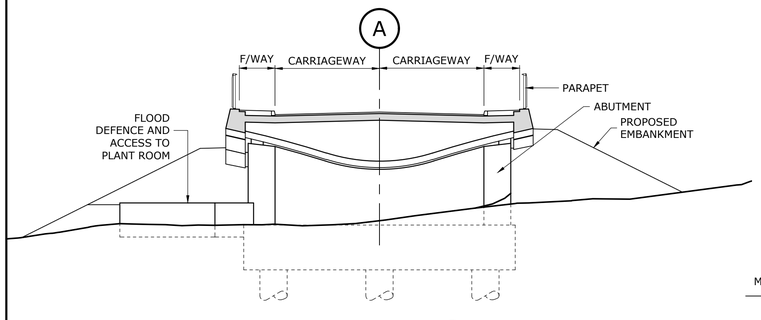
LIFT SPAN TYPICAL SECTION



SECTION D-D (30102)

1: 50

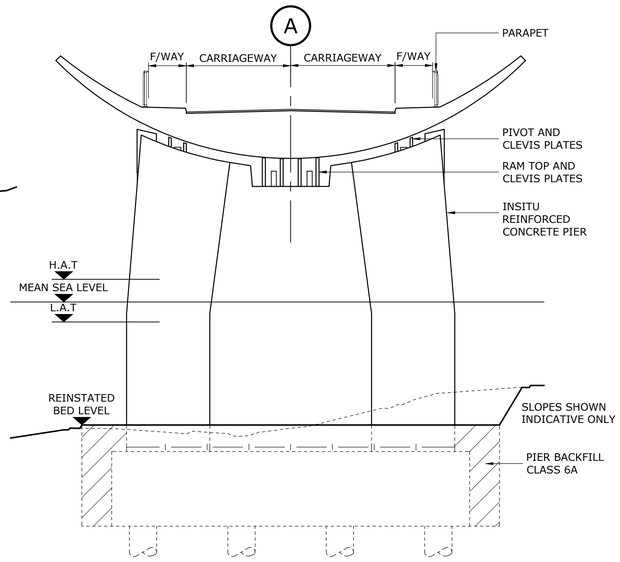
APPROACH SPAN TYPICAL SECTION



ELEVATION E-E (30102)

1: 100

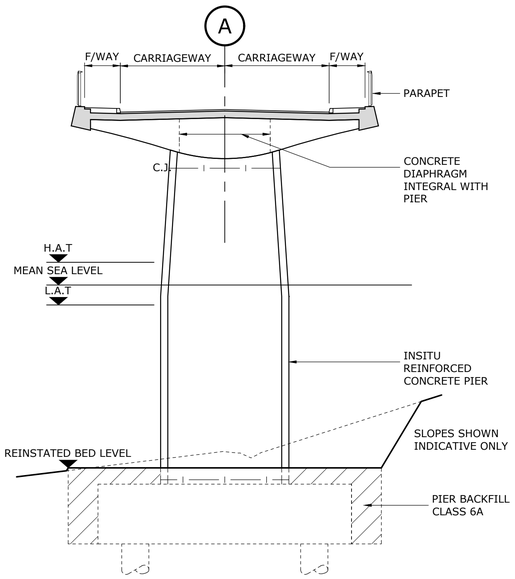
SOUTH ABUTMENT (A1)



ELEVATION G-G (30102)

1: 100

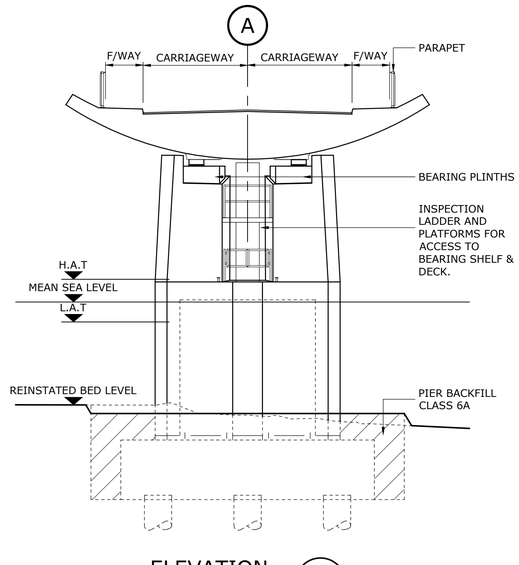
MAIN PIER (P4)



ELEVATION H-H (30102)

1: 100

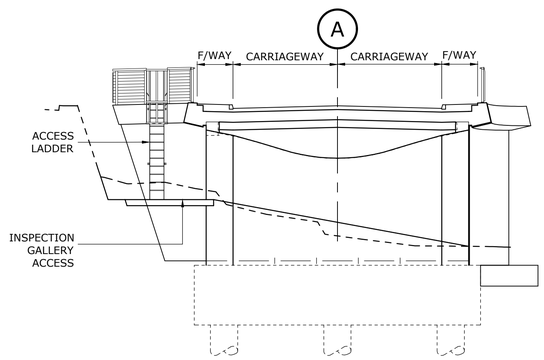
APPROACH PIER (P3)
(APPROACH PIERS P2, P6 & P7 SIMILAR)



ELEVATION I-I (30102)

1: 100

LANDING PIER (P5)



ELEVATION F-F (30102)

1: 100

NORTH ABUTMENT (A8)

NOTES

1. FOR NOTES REFER TO DRAWING: 3502-RAM-SB-XX-DR-CB-30111.

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RAMBOLL
Knight Architects
EADON CONSULTING

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Drawing Title: SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 3

Drawn:	Date:	Scale (at A1):
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Drawing No.: 3502-RAM-SB-XX-DR-CB-30103

Rev: T01

GENERAL NOTES.

1. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM.
5. ALL CHAINAGES ARE IN METRES UNLESS NOTED OTHERWISE.
6. DETAILS OF THIS BRIDGE ARE ALSO SHOWN ON THE LATEST REVISION OF THE DRAWINGS LISTED ON DRAWING NUMBER 3502-RAM-SB-XX-DR-CB-30051.
7. THE DESIGNER'S INTENDED CONSTRUCTION SEQUENCE IS SHOWN ON DRAWING NUMBERS 3502-RAM-SB-XX-DR-CB-30201, 30202, 30203 AND 30204. NO VARIATION IS PERMITTED TO THE CONSTRUCTION SEQUENCE WITHOUT THE CONSENT OF THE DESIGNER.
8. THIS BRIDGE HAS BEEN DESIGNED FOR THE FOLLOWING TRAFFIC LOADING: LM1 AND LM2 TO BS EN 1991-2 AS AMENDED BY UK NA, WHICH COVER TRAFFIC LOADING SPECIFIED IN "EVALUATION CRITERIA FOR HIGHWAY BRIDGES IN BERMUDA".
9. FOR THE APPROACH SPAN THE PARAPET ANCHORAGE HAS BEEN DESIGNED FOR COEXISTENT NOMINAL POST LOADS OF:
   13.6 kNm BENDING MOMENT AT POST BASE.
   22.7 kN SHEAR FORCE AT POST BASE.
   FOR THE LIFT SPAN THE PARAPET ANCHORAGE HAS BEEN DESIGNED FOR THE ULTIMATE PLASTIC BENDING MOMENT CAPACITY OF THE POST. AN INTERMEDIATE POST MAXIMUM SPACING OF 2040MM FOR APPROACH SPANS AND 2000MM FOR THE LIFT SPAN HAVE BEEN ASSUMED.
10. THE APPROXIMATE POSITION OF EXISTING AND PROPOSED SERVICES AFFECTING THE WORKS AT THIS BRIDGE ARE INDICATED ON DRAWING 3502-RAM-SB-XX-DR-Z-30021. THE CONTRACTOR TO CONFIRM EXACT POSITIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHOULD UNDERTAKE APPROPRIATE INVESTIGATIONS FOR UNKNOWN SERVICES PRIOR TO CONSTRUCTION.
11. PARAPET POSTS ARE TO BE FIXED VERTICAL AND STRING COURSE JOINTS ARE TO BE LOCATED MIDWAY BETWEEN POSTS.

    FOR PARAPET POST BASE PLATE WELDED TO DECK STEELWORK REFER TO DRAWING SERIES 3502-RAM-SB-XX-DR-A
12. BOREHOLE LOCATIONS ARE APPROXIMATE ONLY.
13. THE DECK SLAB IS TO BE CAST TO ALLOW FOR IMMEDIATE AND LONG TERM DEFLECTIONS USING THE PRE-CAMBERS GIVEN ON THE DECK OUTLINE/STEELWORK DRAWINGS. THE CARRIAGEWAY LEVELS OVER THE BRIDGE ARE TO FOLLOW FROM THE PRECAMBER, PLUS A CONSTANT SURFACING THICKNESS (WEARING COURSE) OF MINIMUM 50mm.
14. DECK WATERPROOFING TO BE SPRAY APPLIED TO BRIDGE DECK AND SHALL EXTEND TO THE ENDS OF THE DECK ONLY.

    COMBINED FOOTWAY WATERPROOFING/SURFACING TO BE 5MM THICK PROPRIETARY EPOXY RESIN OVERLAID WITH AGGREGATE. SYSTEM IS TO BE COMPLIANT WITH CL.10 OF BD29/17 DMRB AND PROVIDE MINIMUM SLIP RESISTANCE EQUIVALENT TO A MEAN CORRECTED PENDULUM TEST VALUE OF 45 UNITS USING STANDARD SKID RESISTANCE PENDULUM TEST (BS EN 13036-4) FOR THE LIFE OF WALKWAY SURFACING.

    TWO COATS OF BITUMINOUS PAINT IN ACCORDANCE WITH SPECIFICATION CLAUSE 2004 TO BE APPLIED TO ALL BURIED CONCRETE SURFACES UP TO WITHIN 300MM BELOW FINISHED GROUND LEVEL.
15. THE APPROACH SPANS STRUCTURE HAS BEEN DESIGNED TO BE MADE 'INTEGRAL' BETWEEN AN EFFECTIVE BRIDGE TEMPERATURE RANGE OF +9 TO +38ºC. THIS REPRESENTS A SHADE AIR TEMPERATURE RANGE OF +5 TO +34ºC.
16. NO BACKFILL IS TO BE PLACED UNTIL SECTION IS COMPLETE AND HAS ACHIEVED 28 DAY STRENGTH. BACKFILL SHALL BE BROUGHT UP SUCH THAT THE HEIGHT DIFFERENCE ACROSS THE ABUTMENTS IS LIMITED TO 600mm.
17. SYMBOLIC REPRESENTATION OF BEARINGS IS BASED ON BS EN 1337-1.
18. FOR DETAILS OF PROPOSED METHODOLOGY FOR BEARING REPLACEMENT, REFER TO THE STRUCTURES MAINTENANCE MANUAL.
19. PROPOSED BRIDGE FOUNDATIONS AND SUBSTRUCTURE ARE TO BE BUILT IN CLOSE PROXIMITY TO THE EXISTING BRIDGE ABUTMENTS AND FOUNDATIONS. WHERE EXISTING STRUCTURES OBSTRUCT CONSTRUCTION OR INSTALLATION OF NEW ELEMENTS THEY SHOULD BE REMOVED PRIOR TO CONSTRUCTION OF REPLACEMENT BRIDGE.

CONSTRUCTION SEQUENCE NOTES.

1. THE ERECTION OF THE APPROACH SPANS AND LIFT SPAN FROM THE BARGE ONTO THEIR FINAL POSITION CAN BE DONE VIA VERTICAL SUPPORTS USING A CRANE OR A BALLASTED BARGE AND TEMPORARY JACKS. FOR THE APPROACH SPANS, THE LOCATION OF THE ERECTION POINTS SHALL NOT EXCEED 1M LONGITUDINALLY FROM THE LOCATION OF THE TEMPORARY SUPPORT POINTS PROVIDED VIA TAPERED STEEL BEARING PLATES (SUPPORT ON THE WEB). FOR THE LIFT SPAN PIVOT BEARING END, THE LOCATION OF THE ERECTION POINTS SHALL NOT EXCEED 1M LONGITUDINALLY FROM THE LOCATION OF THE DESIGNATED BEARING SUPPORT POINT (SUPPORT ON THE WEB). FOR THE LIFT SPAN NOSE END, THE LOCATION OF THE ERECTION POINTS SHALL NOT EXCEED 1M TRANSVERSELY FROM THE LOCATION OF THE DESIGNATED BEARING SUPPORT POINT (SUPPORT ON THE BEARING DIAPHRAGM). ANY TEMPORARY SUPPORT ARRANGEMENT FOR THE APPROACH SPANS OR LIFT SPAN FOR SEA TRANSPORTATION AND/OR FABRICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR STEEL FABRICATOR.

CONCRETE OUTLINE NOTES.

1. FOUNDATIONS.
   INSITU GROUND AT UNDERSIDE OF FOUNDATION IS TO BE INSPECTED BY SUITABLY QUALIFIED PERSONNEL TO CONFIRM FOUNDATION ASSUMPTIONS PRIOR TO PLACING BLINDING. ALL TOPSOIL AND MADE GROUND IS TO BE REMOVED PRIOR TO PLACING BLINDING. POCKETS/AREAS OF SOFT MATERIAL SHALL BE EXCAVATED AND REPLACED WITH WELL GRADED AND COMPACTED GRANULAR MATERIAL AS APPROPRIATE. REFER TO SPECIFICATION CLAUSE 604.
2. CONCRETE TO BE:

BLINDING:	ST2.
PILES:	GRADE C40/50 MIX REF C40/50/B.
PILECAPS:	GRADE C40/50 MIX REF C40/50/B.
ABUTMENT STEM:	GRADE C40/50 MIX REF C40/50/A.
PIERS:	GRADE C40/50 MIX REF C40/50/A.
DECK:	GRADE C40/50 MIX REF C40/50/C.
STRINGCOURSE:	GRADE C40/50 MIX REF C40/50/A.
BEARING PLINTHS:	GRADE C40/50 MIX REF C40/50/A.
MASS CONCRETE:	GRADE C22/30 MIX REF C22/30/D.

3. CONCRETE FINISHES TO BE:

   F1 TO FORMED BURIED CONCRETE SURFACES
   F2 TO ALL OTHER FORMED SURFACES
   F3 TO SOFFIT, ENDS OF DECK AND STRINGCOURSE
   F4 TO EXPOSED FACES OF WALL + PIERS
   F6 ROUGH SAWN BOARD FINISH AT LOCATIONS INDICATED ON THE DRAWINGS
   U1 TO BURIED CONCRETE SURFACES
   U3 TO ALL OTHER UNFORMED SURFACES
   U4 TO TOP OF DECK
4. ALL BACKFILLED CONCRETE SURFACES ARE TO BE PAINTED UP TO WITHIN 300mm OF FINISHED GROUND LEVEL WITH A BELOW GROUND WATERPROOFING SYSTEM IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAYS WORKS CLAUSE 2004.
5. HORIZONTAL & VERTICAL CONSTRUCTION JOINTS ARE NOT PERMITTED IN EXPOSED FACES UNLESS THEY ARE SHOWN ON THE DRAWINGS.
6. ALL EXPOSED CONCRETE ARRISES TO HAVE A 25X25 CHAMFER UNLESS NOTED OTHERWISE.
7. THE PARAPET STRINGCOURSE HAS BEEN DETAILED ON THE BASIS OF SYSTEMS THAT UTILISE POSTS AT 2040mm MAXIMUM CENTRES FOR APPROACH SPANS. THE CONTRACTOR MUST ADVISE THE DESIGNER SHOULD A PARAPET SYSTEM WITH ALTERNATIVE POST CENTRES BE PROPOSED.
8. CONCRETE TO REACH 28 DAY STRENGTH BEFORE REMOVAL OF FORMS.
9. DECK SLAB DESIGN IS BASED ON EMJ TYPE 3B PERMANENT FORMWORK PANEL (63MM DEEP WITH 150MM RIB SPACING).
10. PERMANENT FORMWORK IS TO BE GRP FORMWORK AND MUST COMPLY WITH SPECIFICATION APPENDIX 17/4.
11. PERMANENT FORMWORK TO BE PLACED TO SUIT SHEAR STUDS SPACING AND ARRANGEMENT OF TRANSVERSE BEAMS OF APPROACH SPAN, REFER TO DRAWINGS …
12. GRP FORMWORK SEALING ARRANGEMENT SHOULD BE GROUT TIGHT UNDER ALL CONDITIONS AND SHOULD BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

PILING.

1. PILES ARE TO BE STEEL TUBES TO ASTM A252 GRADE 3 MODIFIED TO 50 KSI MIN. YIELD.
2. SPECIFIED WORKING LOAD, SWL, AT THE TOP OF PILES IS AS TABULATED.
3. THE ASSESSMENT OF YIELD STRENGTH AND WALL THICKNESSES OF THE PILES HAVE BEEN DETERMINED FROM INTERPRETATION OF THE GEOLOGICAL INFORMATION PROVIDED WITHIN THE GROUND INVESTIGATION REPORT (3502-RAM-XX-XX-RP-CE-30001) AND THE ACCOMPANYING GEOTECHNICAL FACTUAL REPORT.
4. FINAL PILE CUT-OFF LEVEL IS 150 MM ABOVE THE UNDERSIDE OF PILE CAP LEVEL. PILES SHALL BE CUT AND FINISHED IN ACCORDANCE WITH CLAUSE 1606 OF THE SPECIFICATION.

   PILES ARE ASSUMED TO BE DRIVEN BY DIESEL IMPACT HAMMER TO REFUSAL WITHIN THE COMPETENT UNWEATHERED BASALT LAYER. THE ESTIMATED TOE LEVEL FOR THE PILES IS AS TABULATED. REFUSAL ON THE BASALT IS TO BE PROVEN BY THE SPECIFIED CRITERIA IN APPENDIX 16/6 AND CHECKED BY DYNAMIC ANALYSIS TO APPENDIX 16/8.
5. HARD LIMESTONE ROCK LAYERS MAY BE PRESENT ABOVE THE ESTIMATED PILE TOE LEVEL IN THE COMPETENT UNWEATHERED BASALT LAYER.
6. BASED ON THE RESULTS OF DRIVING ASSESSMENTS THE PILES ARE NOT SIZED TO BE DRIVEN THROUGH THE LIMESTONE LAYERS AND IT IS ANTICIPATED THAT THERE WILL BE A NEED TO DRILL AND DRIVE PILES THROUGH LIMESTONE ROCK LAYERS WHERE ENCOUNTERED IN ORDER TO THEN DRIVE THE PILES TO REFUSAL ON THE BASALT.
7. THE CONTRACTOR SHALL UNDERTAKE PILE DRIVING ANALYSIS TO CONFIRM THAT THE PILE WALL THICKNESS IS APPROPRIATE FOR THE SELECTED METHOD OF PILE INSTALLATION.
8. EXTENSIONS TO PILES, WELDING AND WELD TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH CLAUSE 1606 OF THE SPECIFICATION.
9. THE INSIDE SURFACE OF THE STEEL TUBE PILES IN THE LENGTH OF THE PILE FROM CUT-OFF LEVEL TO 4.15M BELOW CUT OFF LEVEL IS TO BE UNPAINTED AND FREE FROM OIL/GREASE AND LOOSE SCALE OR RUST.
10. CONCRETE PLUG AND REINFORCEMENT REQUIRED IN THE TOP 4.15M LENGTH OF EACH PILE IS TO BE IN ACCORDANCE WITH CLAUSE 1605 AND SERIES 1700.
11. TESTING OF PRELIMINARY PILES SHALL BE IN ACCORDANCE WITH CLAUSE 1606 AND 1608 AND APPENDIX 16/6 AND 16/8 OF THE SPECIFICATION.
12. TESTING OF WORKING TEST PILES. TEST PILES SHALL BE WORKING PILES SELECTED FOR TEST LOADING IN ACCORDANCE WITH CLAUSE 1606 AND 1608 AND APPENDIX 16/1 AND 16/8 OF THE SPECIFICATION.
13. WHERE A PILE TO BE TESTED IS INSTALLED BEFORE EXISTING GROUND LEVEL IS REDUCED TO CUT OFF LEVEL, THAT LENGTH OF PILE ABOVE CUT OFF LEVEL IS TO BE ISOLATED FROM THE SURROUNDING GROUND BEFORE THE PILE TEST IS STARTED OR THE TEST LOAD IS TO BE ADJUSTED IN ACCORDANCE WITH SPECIFICATION APPENDIX 16/8. THIS TEST LOAD IS TO BE AGREED AND CONFIRMED WITH DESIGNER.
14. FOR PILES, CORROSION ALLOWANCE WAS TAKEN INTO ACCOUNT IN THE DESIGN AS SACRIFICIAL THICKNESS OF 2.6MM FOR EACH EXPOSED FACE, ACCORDING TO TABLE NA.1 OF THE NA TO BS EN 1993-5.

STEELWORK NOTES.

1. THESE NOTES ARE TO APPLY TO ALL STEELWORK EXCEPT WHEN OVERWRITTEN BY THE INDIVIDUAL DETAIL DRAWING.
2. FOR STRUCTURAL STEELWORK SPECIFICATION REFER TO SPECIFICATION APPENDIX 18. THIS APPENDIX IS TO BE READ IN CONJUNCTION WITH MCHW SHW 1800 SERIES. A MINIMUM QUANTIFIED SERVICE CATEGORY OF F56 AND EXECUTION CLASS EXC3 SHALL BE ASSUMED BY THE CONSTRUCTOR, UNLESS A MORE ONEROUS REQUIREMENT IS NOTED IN THE SPECIFICATION OR ON DRAWINGS. FOR LIFT SPAN STEELWORK THE QUANTIFIED SERVICE CATEGORY SHALL BE F112, IN ACCORDANCE WITH PD 6705-2.
3. STEELWORK GRADES:
   ALL STEELWORK TO BE GRADE S355 J0 +N TO BS EN 10025-2 UNLESS OTHERWISE NOTED.
   ALL STAINLESS STEEL TO BE GRADE 1.4462 TO BS EN 10088.
   ALL STAINLESS STEEL BOLTS SHALL BE GRADE D6-80, UNLESS AGREED OTHERWISE.
4. ALL SHEAR STUDS TO BE 19mm DIA, 150mm LONG, TYPE SD1 TO BS EN ISO 13918, UNLESS NOTED OTHERWISE.
5. ALL BEAMS SHALL BE SHOP-WELDED. ON SITE WELDS SHALL BE AVOIDED, EXCEPT FOR APPROACH SPAN ERECTION.
6. FOR INACCESSIBLE AREAS WITHIN THE LIFT SPAN AND/OR APPROACH SPAN CORROSION ALLOWANCE WAS TAKEN IN TO ACCOUNT IN THE DESIGN AND SACRIFICIAL THICKNESS OF 4MM FOR EACH EXPOSED FACE, ACCORDING TO TABLE NA.1 OF THE UK NA TO BS EN 1993-2 (ATMOSPHERIC CORROSION CLASSIFICATION C3 TO BS EN ISO 9223).
7. FOR THE APPROACH SPANS, ALL WELDS ARE TO BE FULL PENETRATION / FULL STRENGTH BUTT WELDS UNLESS NOTED OTHERWISE.
   FOR THE LIFT SPAN ALL WELDS SHALL BE FULL PENETRATION / FULL STRENGTH BUTT WELDS, UNLESS NOTED OTHERWISE.
   EXTERIOR WELDS TO BE GROUND FLUSH.
8. ALL WELDS AND WELDED PARTS SHALL MEET THE REQUIREMENTS OF TABLE 8.1 TO 8.10 OF BS EN 1993-1-9 INCLUSIVE AS AMENDED BY THE UK NATIONAL ANNEX NA BS EN 1993-1-9, TO ACHIEVE THE MINIMUM DETAIL CATEGORY COMPATIBLE WITH THE QUANTIFIED SERVICE CATEGORY OF THE PART OF THE STRUCTURE UNLESS NOTED OTHERWISE ON A SPECIFIC DETAIL.
9. WELD SYMBOLS USED IN THESE DRAWINGS ARE IN ACCORDANCE WITH BS EN ISO 2553 SYMBOLIC REPRESENTATION. FOR FILLET WELDS Z SYMBOL REPRESENTS THE LEG LENGTH.
10. BUTT WELDS ARE FULL PENETRATION OF THE THICKNESS JOINED UNLESS MINIMUM DEPTH OF PENETRATION IS STATED.
11. WHERE FILLET WELDS ARE PROPOSED THEY SHOULD BE BOTH SIDES ALL ROUND AND CONTINUOUS, UNLESS DETAILED OTHERWISE. WHERE FILLET WELD LEG LENGTH IS STATED THE REQUIRED THROAT THICKNESS 'A' SHALL BE LEG LENGTH X 0.707.
12. THE STEELWORK DIMENSIONS SHOWN ARE SPECIFIED FOR A MEAN TEMPERATURE OF 20 DEG C AS PER STEELWORK SPECIFICATION.
13. SNIPE/COPE HOLES MUST BE LOCATED AT THE POSITIONS SHOWN AND WILL BE A MINIMUM OF 40mm RADIUS OR 1.5 TIMES THE PLATE THICKNESS, UNLESS OTHERWISE DETAILED.
14. TRIANGULAR SNIPES WILL NOT BE PERMITTED.
15. WHERE SNIPES ARE SHOWN (2MM NOMINAL CLEARANCE TO LONGITUDINAL WIELD) A CONTINUOUS FILLET WELD IS TO BE PROVIDED ACROSS THE SNIPE.
16. STEEL WEBS MUST BE MAINTAINED IN A STABLE STATE DURING ALL STAGES OF FABRICATION AND CONSTRUCTION. TEMPORARY STABILITY BRACING TO BE PROVIDED IF NECESSARY UNTIL THE SOFFIT PLATE AND TRANSVERSE STIFFENERS SHOWN ON THE DRAWINGS ARE FULLY CONNECTED -- REFER TO DESIGNERS RISK ASSESSMENT 3502-RAM-XX-XX-RP30101.
17. BEARING STIFFENERS TO BE MACHINED TO GIVE FULL CONTACT BEARING (FITTED) TO BOTTOM FLANGE AND BOTTOM FLANGE AND BEARING RESPECTIVELY. AS PER CL.1811.1 OF SHW AND IS DENOTED AS $\mathcal{F}$ ON DRAWINGS.
18. ANY WELDING OR BOLTING OF TEMPORARY ERECTION ATTACHMENTS TO GIRDERS AND THEIR REMOVAL MUST HAVE THE PRIOR AGREEMENT OF THE DESIGNER.
19. PROVISION SHALL BE MADE FOR THE SUPPORT OF THE FORMWORK (FOR THE STRING COURSE). FALSEWORK TO BE SUPPORTED FROM THE DECK SLAB. NO FIXINGS SHALL BE PERMITTED ON THE SOFFIT PLATE.
20. FINAL STEEL GEOMETRY AND LEVELS ARE TO BE CALCULATED BY THE STEELWORK MANUFACTURER TO SUIT THE PRECAMBER VALUES SHOWN ON THE DRAWING. PRECAMBER SHOWN ALLOWS FOR STEELWORK AND CONCRETE DEAD LOADS, SUPERIMPOSED DEAD LOADS AND CREEP. TOP AND BOTTOM FLANGES TO BE SMOOTH CONTINUOUS CURVES. REFER TO DRAWING NUMBER 3502-RAM-SB-XX-DR-CB-37041.
21. FOR LIFT SPAN, BOLTS AT ACCESS COVER PLATES SHALL BE COUNTERSUNK M16 GRADE 8.8 UNLESS NOTED OTHERWISE.
    BOLTS AT BEARING PLATES SHALL BE ENGAGED WITHIN THE TAPERED PLATES AT THE TOP. MINIMUM BOLT DIAMETER TO BE M16.
22. ALL GAPS IN STEELWORK AND WATER TRAPS TO BE FILLED WITH A SEALANT AS DESCRIBED ON THE DRAWINGS AND SPECIFICATION APPENDIX DOCUMENT.
23. ALL WELDING CONSUMABLES TO BE COMPATIBLE WITH THE STRUCTURAL STEEL GRADE USED. REFER TO STEELWORK SPECIFICATION FOR FURTHER REQUIREMENTS.
24. PLATES NOTED AS "Z STEEL" SHALL BE Z35 QUALITY TO BS EN 10164. THE FABRICATOR SHALL GENERALLY TAKE SUITABLE MEASURES TO MITIGATE THE RISK OF LAMELLAR TEARING AS DESCRIBED IN PD6695-1-10 CLAUSE 3.2. Z-PLATE IS NOTED FOR PLATES WHERE CURRENT DETAILING ASSUMPTIONS LEAD TO A 'HIGH-RISK' CATEGORY FOR LAMMELAR TEARING AS PER PD 6695-1-10 CLAUSE 3.3 i.e TEE JOINTS WHERE THE THICKNESS OF INCOMING MATERIAL (tz) is > 35mm AND CRUCIFORM JOINTS WHERE tz > 25mm. WHERE ALTERNATIVE PLATE INTERSECTION DETAILS TO THOSE ON THE DRAWINGS ARE NEEDED TO FACILITATE FABRICATION, SUCH AS PIECE SMALL ASSEMBLY OF DECK PLATE OR SOFFIT PLATES TO INFILL THE CLOSE WEBS SPACINGS IN THE VICINITY OF PIVOT AND RAM WEBS, Z-PLATE SHALL BE USED WHERE TEE OR CRUCIFORM BUTT WELD THICKNESSES EXCEED THESE LIMITATIONS ON tz.
25. FOR THE REQUIREMENTS OF PROTECTIVE TREATMENT TO STEELWORK SEE SPECIFICATION APPENDIX 19/1.
26. BRIDGE HAS NOT BEEN DESIGNED FOR SEA TRANSPORT. CONTRACTOR TO ENSURE STABILITY AND INTEGRITY OF THE STRUCTURE AT ALL TIMES DURING TRANSPORTATION.

MATERIAL NOTES.

1. "NEOPRENE" SHALL BE CHLOROPRENE RUBBER CLASS C50 TO BS 2752:2003.

REINFORCEMENT NOTES.

1. ALL REINFORCEMENT SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH THE SPECIFICATION AND GRADE B500B RIBBED BARS TO BS4449:2005 OR GRADE 60 RIBBED BARS TO ASTM A615 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI WHICH IS EQUAL TO 414MPA.
2. ACCEPTABLE ALTERNATIVE BAR DIAMETER PER GRADE AS PER THE BELOW TABLE:

BS4449 B500B	ASTM A615 GRADE 60
B12	#4
B16	#5
B20	#7
B25	#8
B32	#10

3. REINFORCEMENT CALLED UP AS FOLLOWS:
   40 B20 01 125 N1 (00)
   WHERE:
   40 NO. OF BARS
   B20 TYPE AND SIZE
   01 BAR MARK
   125 SPACING
   N1 POSITION
   (00) SHAPE CODE

   ABBREVIATIONS USED:

N	NEAR FACE (N1 NEAREST TO CONC. FACE).
F	FAR FACE (F1 NEAREST TO CONC. FACE).
T	TOP (T1 NEAREST TO CONC. FACE).
B	BOTTOM (B1 NEAREST TO CONC. FACE).
S	SIDE FACE (S1 NEAREST TO CONC. FACE).
STAGG	ALTERNATELY STAGGERED.
ES	EQUALLY SPACED.
ALT	ALTERNATELY PLACED.
ABR	ALTERNATE BAR REVERSED.

4. NOMINAL COVER TO REINFORCEMENT (UNLESS OTHERWISE NOTED):

PILE CAPS	85mm
ABUTMENTS, PIERS	80mm
BRIDGE DECK TOP SURFACE, SOFFIT AND PIER DIAPHRAGMS	50mm
RETAINING WALLS INCLUDING FOOTING	85mm
PARAPET EDGE DETAIL TOP, SIDES AND SOFFIT	80mm

   REFER TO CLAUSE 1728 OF THE SPECIFICATION, FIGURE 17/1 (b) FOR TOLERANCES ON REINFORCEMENT POSITION.
   INSITU CONCRETE FOR PILE CAPS, RETAINING WALLS INCLUSING THEIR FOOTINGS: Δ c dev =15mm
   INSITU CONCRETE FOR THE REST OF CONCRETE ELEMENTS: Δ c dev =10mm.
   BAR BENDING SCHEDULES HAVE BEEN PREPARED ON THE BASIS OF THE NOMINAL COVER, EXCEPT WHERE NOTED.
5. LAP LENGTHS
   UNLESS NOTED OTHERWISE MINIMUM LAP LENGTHS FOR 50% STAGGERED LAPS, BASED UPON THE SMALLER BAR, SHALL BE:
   C40/50 CONCRETE:

BAR SIZE	ZONE 1 GOOD BOND	ZONE 2 POOR BOND
B10	420	590
B12	500	710
B16	670	950
B20	830	1180
B25	1040	1480
B32	1330	1890

   ANCHORAGE LENGTHS
   ANCHORAGE LENGTHS OF STRAIGHT BARS SHALL BE:
   C40/50 CONCRETE:

BAR SIZE	ZONE 1 GOOD BOND	ZONE 2 POOR BOND
B10	300	430
B12	360	510
B16	480	680
B20	590	850
B25	740	1060
B32	950	1350

   AREAS OF POOR BOND ARE DENOTED BY SHADING (ZONE 2) ON THE DRAWINGS.
6. BAR BENDING SCHEDULES HAVE BEEN PREPARED ON THE BASIS OF THE LAP +25mm.
7. REINFORCEMENT IS DETAILED AND SCHEDULED TO B.S. 8666:2005 - REFER TO SPECIFICATION CLAUSE 1713.
8. THE REINFORCEMENT DETAILED REPRESENTS THE MINIMUM DESIGN REQUIREMENT. ADDITIONAL BARS TO AID FIXING OR STABILITY TO BE DETAILED BY THE CONTRACTOR.
9. UNLESS NOTED OTHERWISE REINFORCEMENT SPACING IS MEASURED PERPENDICULARLY TO THE BAR DIRECTION.
10. DIAGRAMS FOR ANY ADDITIONAL SHAPE CODES ARE INCLUDED WITH THE BENDING SCHEDULES.
11. WHERE APPLICABLE, LIFTING ARRANGEMENTS TO BE APPROVED BY THE CONTRACTOR AND SUBMITTED TO THE DESIGNER FOR APPROVAL.
12. LONGITUDINAL BARS HAVE BEEN DETAILED IN MULTIPLES OF 150MM TO SUIT SPACING OF PERMANENT FORMWORK RIBS. IF SPACING OF RIBS IS LESS THAN 150MM, LONGITUDINAL BARS SPACING TO BE REDUCED TO SUIT RIB SPACING AND THE NUMBER OF BARS INCREASED.

Rev	Description	Date	By	Chk	App
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Status: ISSUE FOR TENDER

RAMBOLL
Knight Architects
EADON CONSULTING

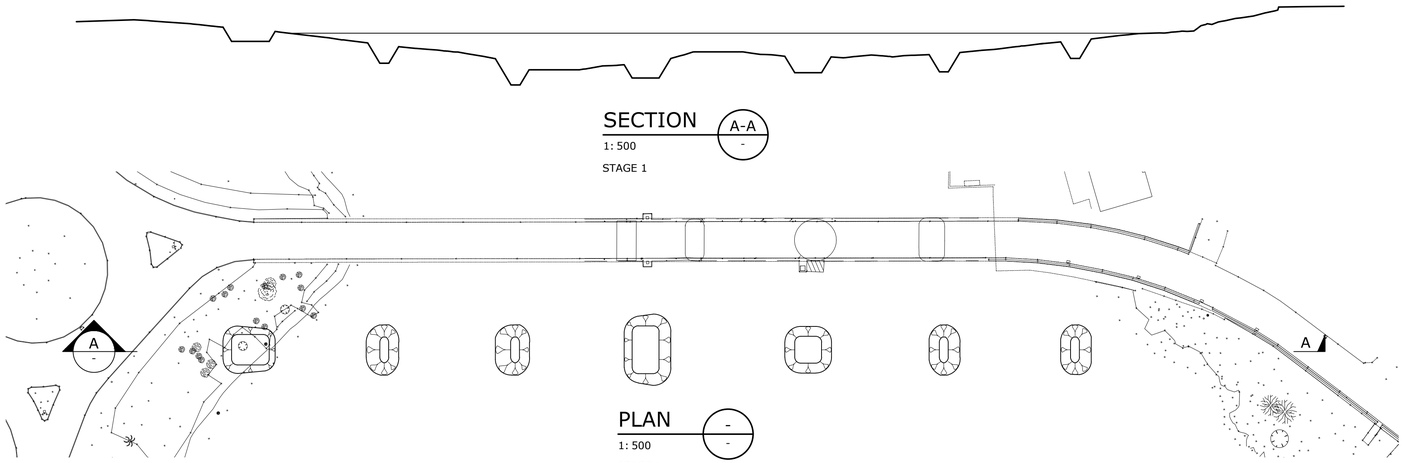
Project Title: REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title: SWING BRIDGE REPLACEMENT NOTES

Drawn:	Date:	Scale (at A1):
R.Z.Corder	---	N/A

Drawing No.: 3502-RAM-SB-XX-DR-CB-30111 Rev: T01

Plot date and time = 11/09/2025 15:11:10

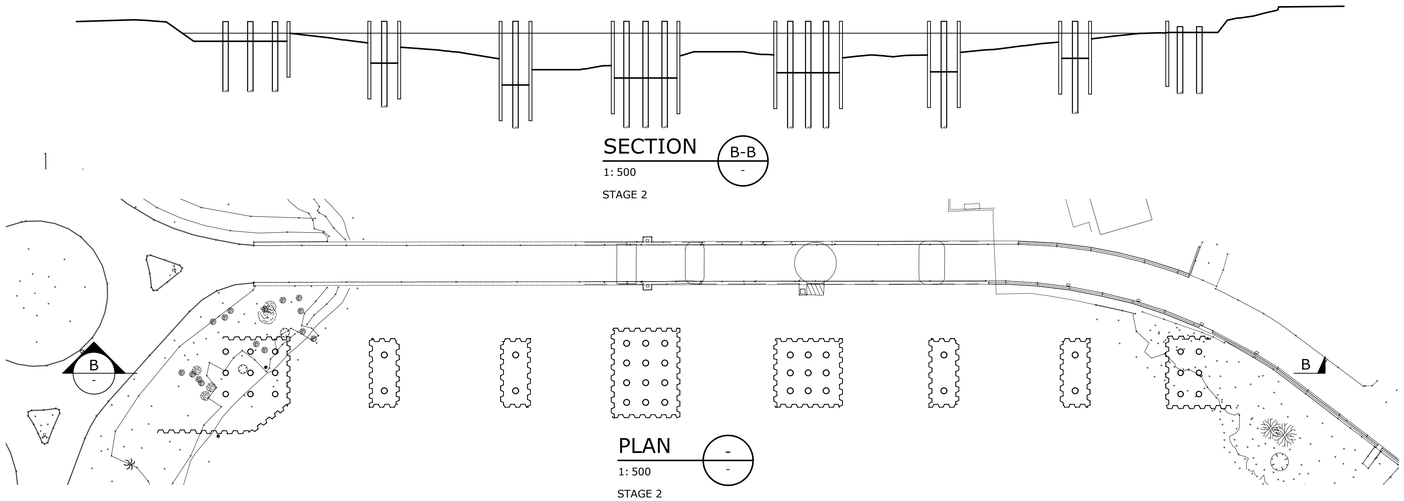


SECTION A-A
1: 500
STAGE 1

PLAN
1: 500
STAGE 1

STAGE 1

- SET UP SITE COMPOUND.
- ESTABLISH NEW NAVIGATION CHANNEL.
- PRE-EXCAVATION FOR PIERS.
- EXCAVATE TRENCH INSTALL POWER & CONTROL CABLES. REFER TO 3502-RAM-SB-XX-DR-ME-36001.
- DRIVE TEST PILES.

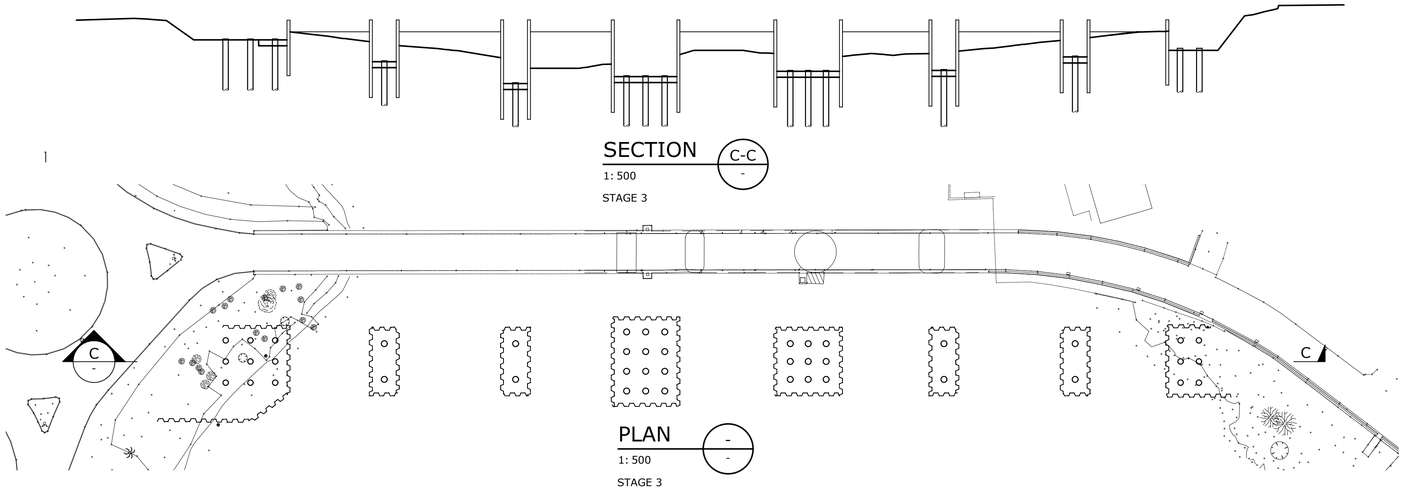


SECTION B-B
1: 500
STAGE 2

PLAN
1: 500
STAGE 2

STAGE 2

- DRIVE PERMANENT WORKS PILES TO REQUIRED DEPTH.
- FOR PILES AT P2 AND P3, DRILL OUT BASALT ROCK SOCKET TO 300MM BELOW DESIGNATED TOE LEVEL. DRIVE PILES TO DESIGNATED TOE LEVEL. PUMP WATER FROM INSIDE OF PILE TUBE TO REMOVE ALL STANDING WATER FROM THE PILE BORE OR DEMONSTRATE THAT THERE IS FREE FLOW OF WATER AROUND THE OUTSIDE OF THE PILE. BACKFILL BASALT ROCK SOCKET WITH 35N/MM^2 SAND GROUT VIA PIPE FED THROUGH CENTRE OF PILE, ALLOW AT LEAST THREE DAYS FOR GROUT TO CURE BEFORE CARRYING OUT WORKS AT THE TOP OF THE PILES.
- CONSTRUCT TEMPORARY COFFERDAMS.



SECTION C-C
1: 500
STAGE 3

PLAN
1: 500
STAGE 3

STAGE 3

- EXCAVATE COFFERDAMS AND INSTALL PILE ISOLATION SLEEVES TO P2, P3, P6 & P7 ONLY.
- PLUG COFFERDAM BASES.
- DE-WATER COFFERDAM.
- CUT PILES TO REQUIRED LEVEL.
- GROUND LEVEL INSTALLATION OF LIGHTNING PROTECTION.

NOTES

1. FOR NOTES REFER TO DRAWING: 3502-RAM-SB-XX-DR-CB-30111.
2. FOR GENERAL ARRANGEMENT OF MECHANICAL COMPONENTS REFER TO DRAWINGS: 3502-RAM-SB-XX-ME-30001 TO 30005.
3. FOR ELECTRICAL AND HYDRAULIC ROUTEING AND EQUIPMENT POSITION REFER TO DRAWING: 3502-RAM-SB-XX-ME-36001.
4. FOR CCTV REFER TO DRAWING: 3502-RAM-SB-XX-ME-36101.
5. FOR HPU AND ELECTRICAL SUPPLIES REFER TO DRAWINGS: 3502-RAM-SB-XX-ME-36201 & 36202.
6. FOR LIGHTNING PROTECTION REFER TO DRAWING:3502-RAM-SB-XX-ME-47001.
7. FOR ARCHITECTURAL FINISHES REFER TO DRAWINGS: 3502-RAM-SB-XX-A-39101 TO 39603.

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RAMBOLL
Knight Architects
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Drawing Title:
SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 1

Drawn:	Date:	Scale (at A1):
M.Cooper	APR.2019	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-CB-30201

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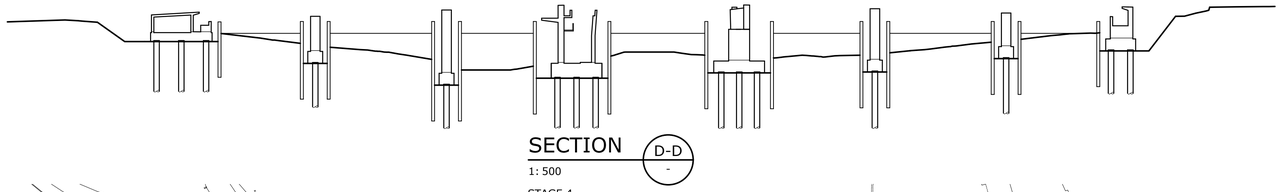
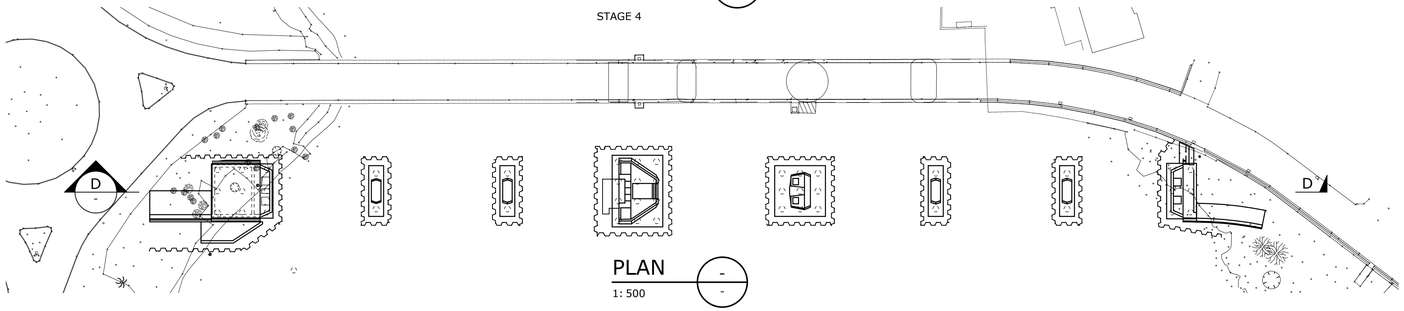
Plot date and time = 11/09/2025 15:11:20

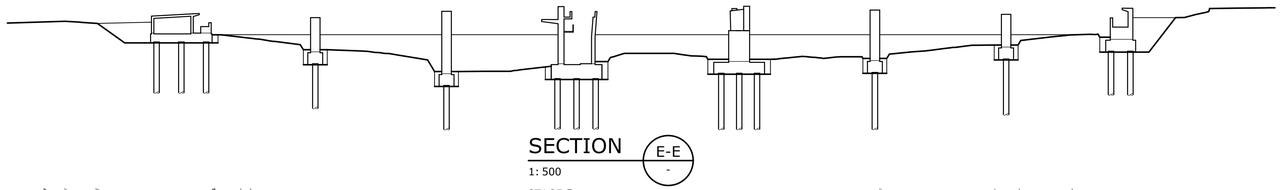


SECTION D-D
1: 500
STAGE 4

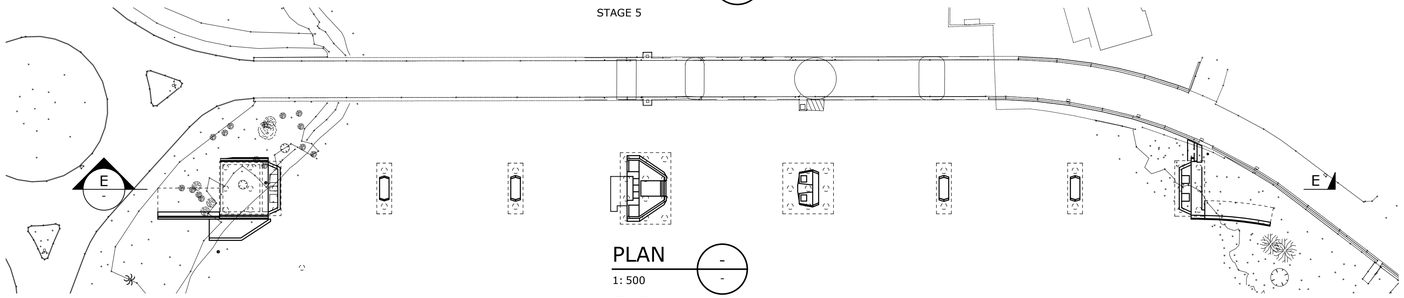


PLAN
1: 500
STAGE 4

STAGE 4
- CONSTRUCT PILE PLUGS AND PILE CAPS.
- COMPLETE INSTALLATION OF LIGHTNING PROTECTION SYSTEM @ PILE CAP LEVEL.
- CONSTRUCT PIERS, ABUTMENTS & RETAINING WALLS. PIERS SHALL BE CONSTRUCTED TO APPROPRIATE LEVEL SO THAT TEMPORARY JACKS CAN BE INSTALLED.
- INSTALL LIGHTNING PROTECTION MEASURES.

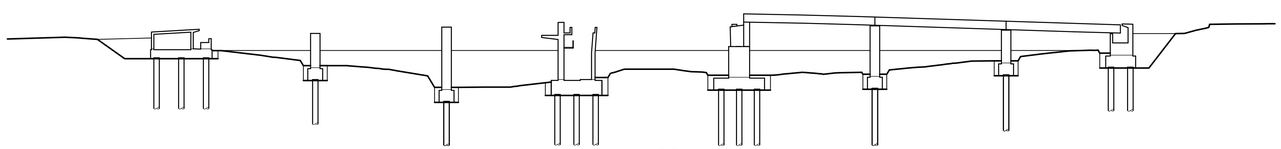


SECTION E-E
1: 500
STAGE 5

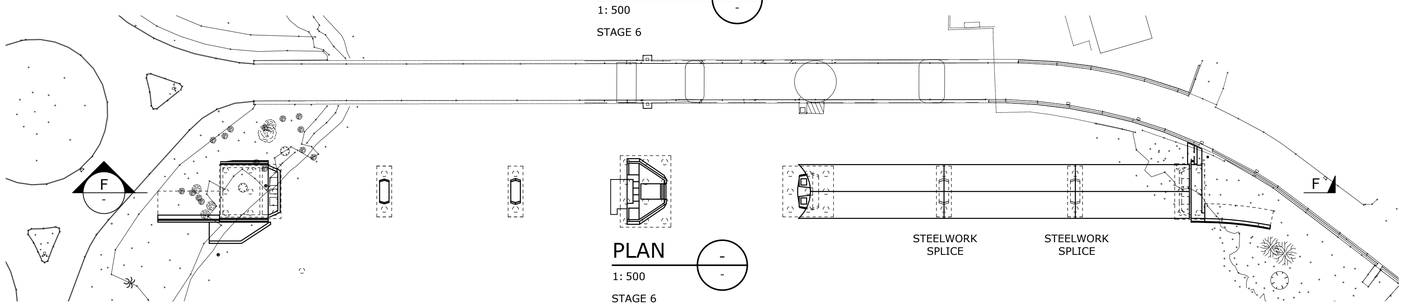


PLAN
1: 500
STAGE 5

STAGE 5
- REMOVE TEMPORARY COFFERDAMS.
- REINSTATE SEA BED ABOVE PILE CAPS.
- INSTALL M&E EQUIPMENT IN SOUTH ABUTMENT PLANT ROOM.
- INSTALL ARCHITECTURAL & SAFETY FINISHES AT SOUTH ABUTMENT.
- BACKFILL ABUTMENTS & NORTH RETAINING WALL.



SECTION F-F
1: 500
STAGE 6



PLAN
1: 500
STAGE 6

STAGE 6
- INSTALL BEARINGS AT NORTH ABUTMENT.
- INSTALL TEMPORARY JACKS AT THE TOP OF PIERS P5, P6, AND P7.
- ERECT NORTH APPROACH STEELWORK SPANS & WELD THEM TOGETHER.
- INSTALL M & E SERVICES IN NORTH ABUTMENT.
- INSTALL ARCHITECTURAL & SAFETY FINISHES @ NORTH ABUTMENT.
- INSTALL LIGHTNING PROTECTION MEASURES.

NOTES

1. FOR NOTES REFER TO DRAWING: 3502-RAM-SB-XX-DR-CB-30111

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RAMBOLL
Knight Architects
EADON CONSULTING

Project Title: REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Status: ISSUE FOR TENDER

Drawing Title: SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 2

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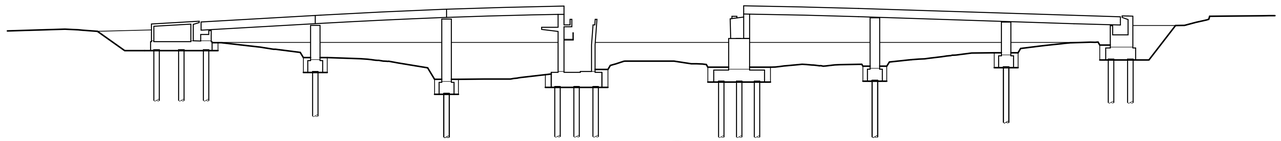
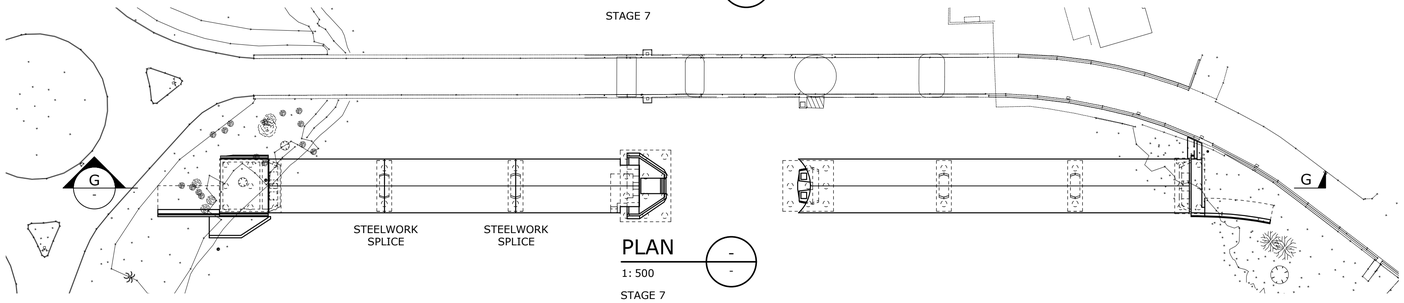
M.Cooper	APR.2019	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-CB-30202

Rev: T01



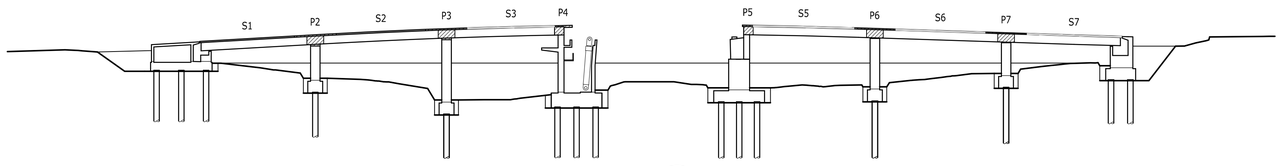
SECTION G-G
1: 500
STAGE 7



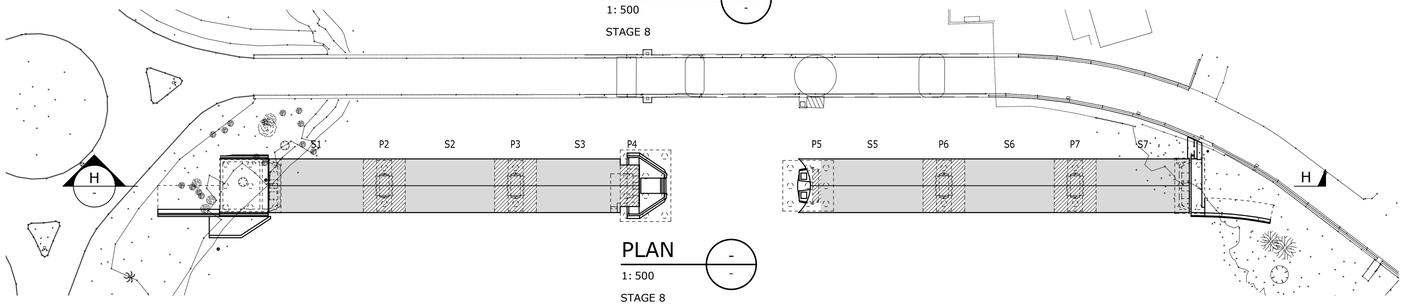
PLAN
1: 500
STAGE 7

STAGE 7

- INSTALL BEARINGS AT SOUTH ABUTMENT.
- INSTALL TEMPORARY JACKS AT PIERS P2, P3 AND P4.
- ERECT SOUTH APPROACH STEELWORK SPANS & WELD THEM TOGETHER.
- INSTALL M&E SERVICES IN SOUTH APPROACH VIADUCT.
- COMPLETE INSTALLATION OF LIGHTNING MEASURES.



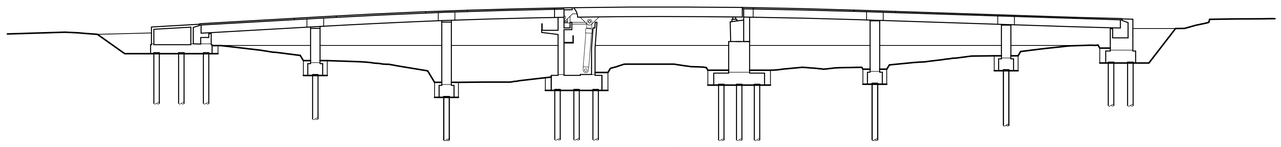
SECTION H-H
1: 500
STAGE 8



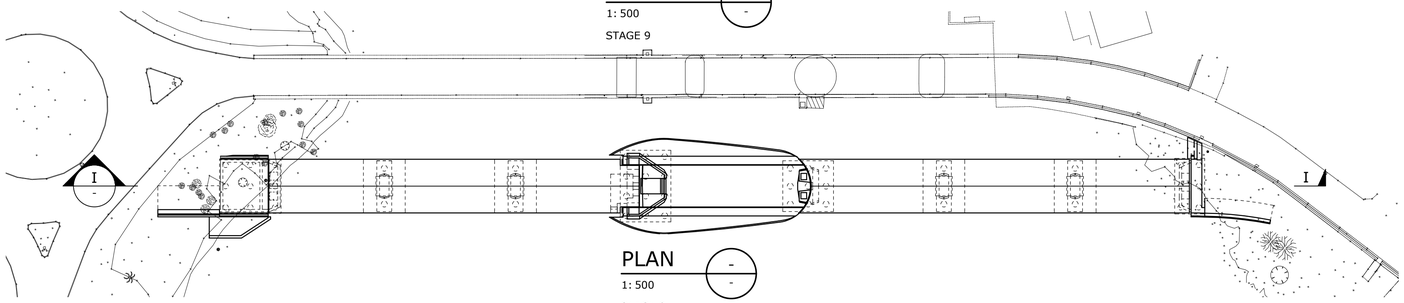
PLAN
1: 500
STAGE 8

STAGE 8

- CAST DIAPHRAGMS AT P2, P3, P4, P5, P6 & P7 (POUR A). FOR EXTENTS OF POUR A & B REFER TO 3502-RAM-SB-XX-DR-CB-37005-37007
- CAST DIAPHRAGMS AT P2, P3, P4, P5, P6 & P7 (POUR B).
- CAST DECK SLABS AT SPAN 1 & SPAN 7.
- CAST DECK SLABS AT SPAN 2 & SPAN 6.
- CAST DECK SLABS AT PIER 2 & PIER 7 - INCLUDING BARRIER MOUNTINGS.
- CAST DECK SLABS AT SPAN 3, PIER 4, SPAN 5 & PIER 5.
- CAST DECK SLABS AT PIER 3 & PIER 6.
- INSTALL BEARINGS FOR LIFT SPAN AT NOSE PIER, INCLUDING CYLINDER PIT M+E EQUIPMENTS; ACCESS & LASHING PLATES, SHOCK ABSORBER ASSEMBLIES; NOSE LATERAL RESTRAINTS; SENSORS ETC.
- INSTALL CYLINDERS AT PIVOT PIER.
- INSTALL ACCESS PLATFORMS/LADDERS AT ALL LOCATIONS.



SECTION I-I
1: 500
STAGE 9



PLAN
1: 500
STAGE 9

STAGE 9

- ERECT LIFT SPAN AND PIVOT BEARINGS AT PIVOT PIER INCLUDING UPPER CYLINDER MOUNT.
- CONNECT SUPERSTRUCTURE TO SUBSTRUCTURE AT PIVOT PIER AND LIGHTNING PROTECTION.
- POST TENSION PIVOT BEARING ANCHORS.
- COMPLETE INSTALLATION OF M&E EQUIPMENT, INCLUDING CCTV BARRIERS AND TRAFFIC CONTROL ASSEMBLIES & TEMPORARY CONTROL OPERATORS HUT.

NOTES

1. FOR NOTES REFER TO DRAWING: 3502-RAM-SB-XX-DR-CB-30111

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RAMBOLL
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Drawing Title: SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 3

Status: ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
M.Cooper	APR.2019	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-CB-30203

Rev: T01

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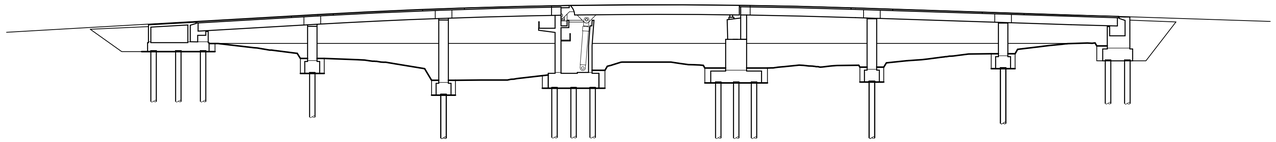
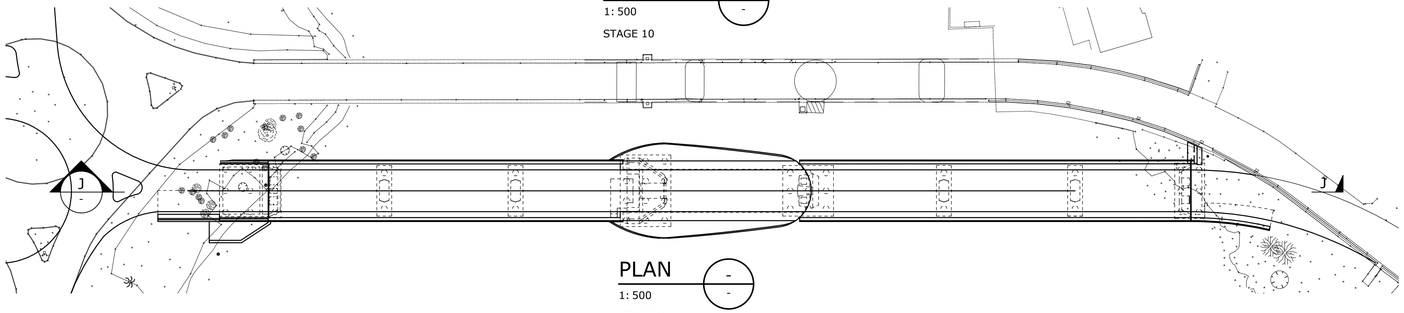


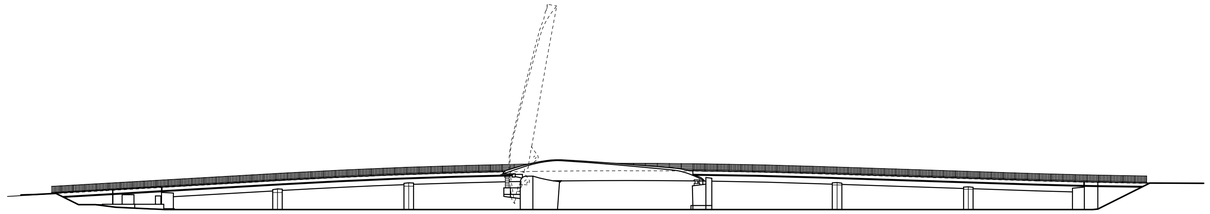
SECTION J-J
1: 500
STAGE 10



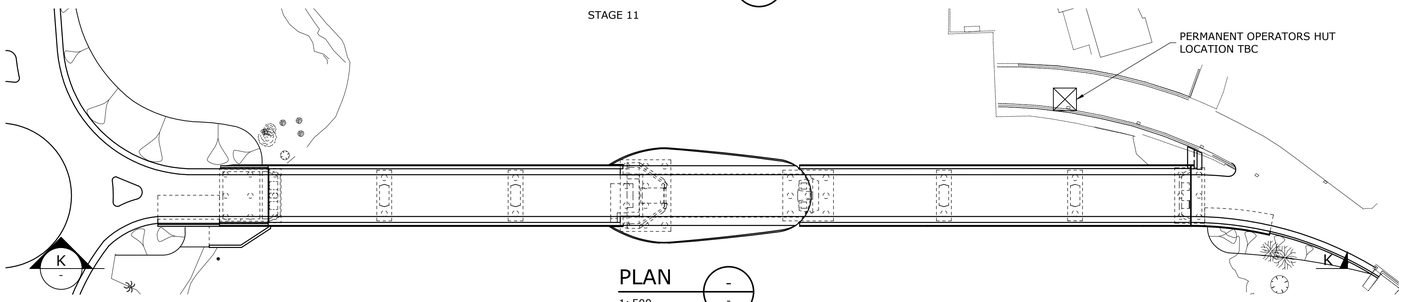
PLAN -
1: 500
STAGE 10

STAGE 10

- CAST DECK STRING COURSES IN APPROACH SPANS.
- INSTALL WATERPROOFING, FOOTWAY, KERBS, PARAPETS, SURFACING & ALL OTHER FINISHES.
- COMMISSIONING OF LIFT SPAN. TEMPORARY CONTROL POINTS. CONTROL DESK.
- INSTALL EXPANSION JOINTS.
- OPEN BRIDGE TO TRAFFIC.



ELEVATION K-K
1: 500
STAGE 11



PLAN -
1: 500
STAGE 11

STAGE 11

- DEMOLISH EXISTING SWING BRIDGE.
- MAKE GOOD EMBANKMENTS.
- CONSTRUCT SCOUR PROTECTION. (IF REQUIRED)

NOTES

1. FOR NOTES REFER TO DRAWING: 3502-RAM-SB-XX-DR-CB-30111

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Drawing Title: SWING BRIDGE REPLACEMENT CONSTRUCTION SEQUENCE SHEET 4

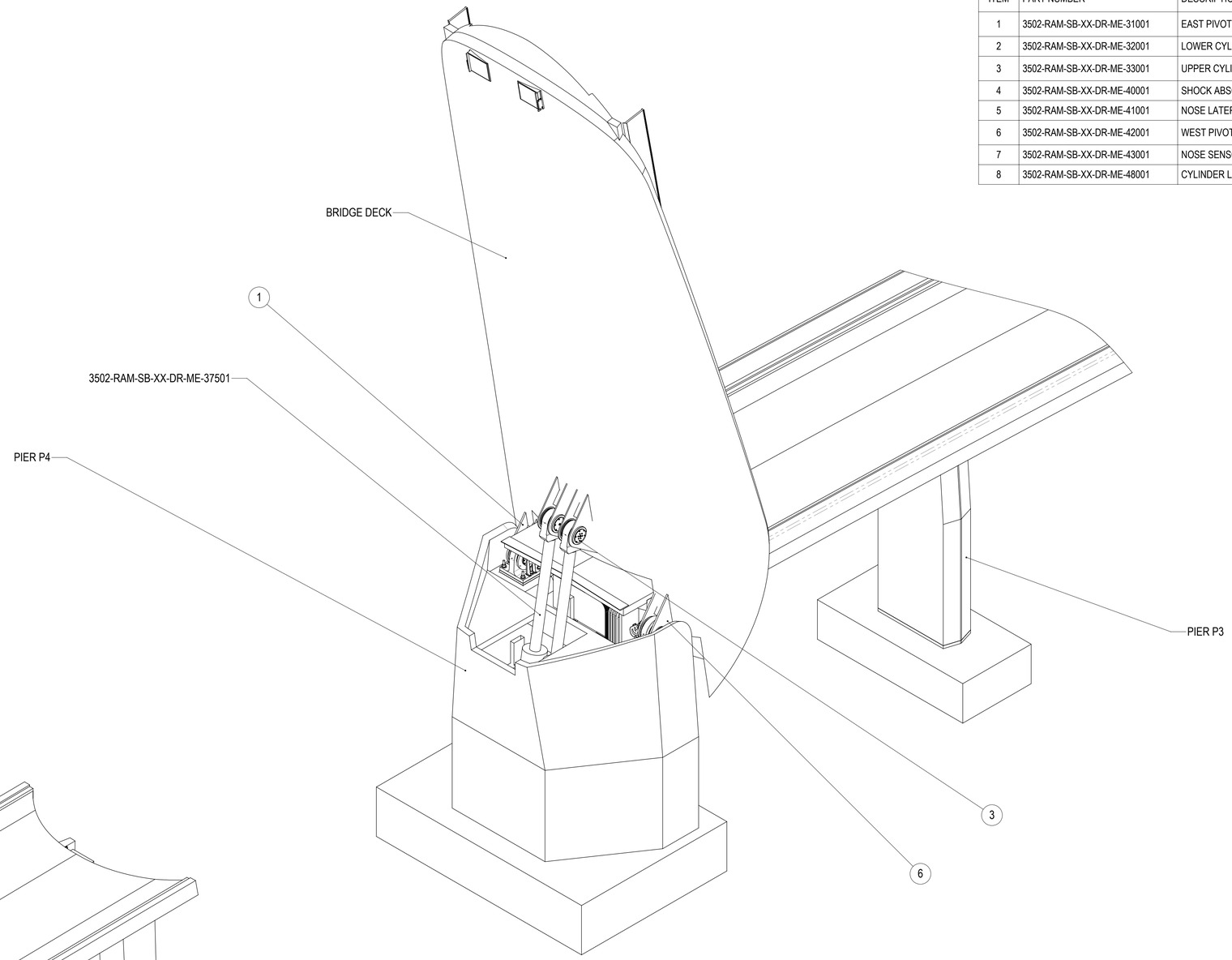
Status: ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
M.Cooper	APR.2019	AS SHOWN

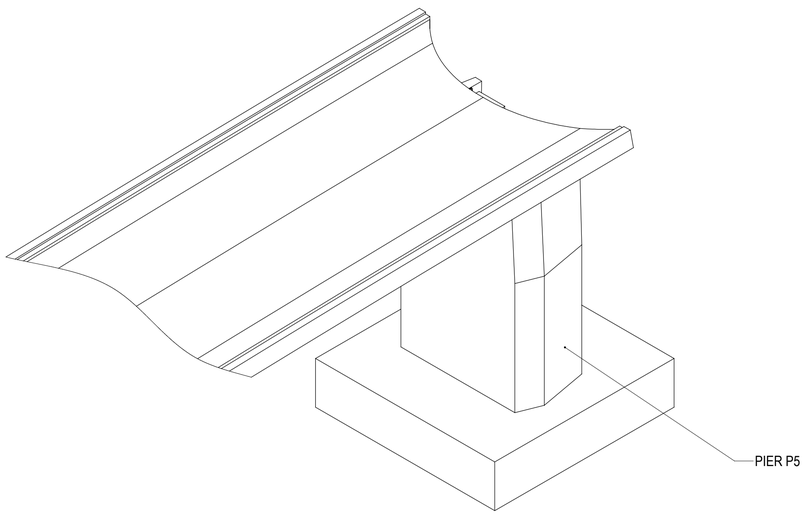
Drawing No.: 3502-RAM-SB-XX-DR-CB-30204

Rev: T01

ITEM	PART NUMBER	DESCRIPTION	raised/QTY.
1	3502-RAM-SB-XX-DR-ME-31001	EAST PIVOT ASSEMBLY	1
2	3502-RAM-SB-XX-DR-ME-32001	LOWER CYLINDER MOUNT ASSEMBLY	1
3	3502-RAM-SB-XX-DR-ME-33001	UPPER CYLINDER MOUNT ASSEMBLY	1
4	3502-RAM-SB-XX-DR-ME-40001	SHOCK ABSORBER ASSEMBLY	2
5	3502-RAM-SB-XX-DR-ME-41001	NOSE LATERAL RESTRAINT PAD ASSEMBLY	2
6	3502-RAM-SB-XX-DR-ME-42001	WEST PIVOT ASSEMBLY	1
7	3502-RAM-SB-XX-DR-ME-43001	NOSE SENSOR ASSEMBLY	2
8	3502-RAM-SB-XX-DR-ME-48001	CYLINDER LASHING PLATE ASSEMBLY	2



ISOMETRIC VIEW
NOT TO SCALE



ASSEMBLY No. 3502-RAM-SB-XX-DR-ME-30001

GENERAL TOLERANCE TO ISO 2768 UOS

	0.5 UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	OVER 120 UP TO 400	OVER 400 UP TO 1000	OVER 1000 UP TO 2000	OVER 2000 UP TO 4000
MACHINING ISO 2768-m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
FABRICATION ISO 2768-c	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4

ALL HOLES TO BE H11 UOS

Rev	Description	Date	By	Chk	App
T01	ISSUE FOR TENDER	10.09.25	AR	CB	MNT

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

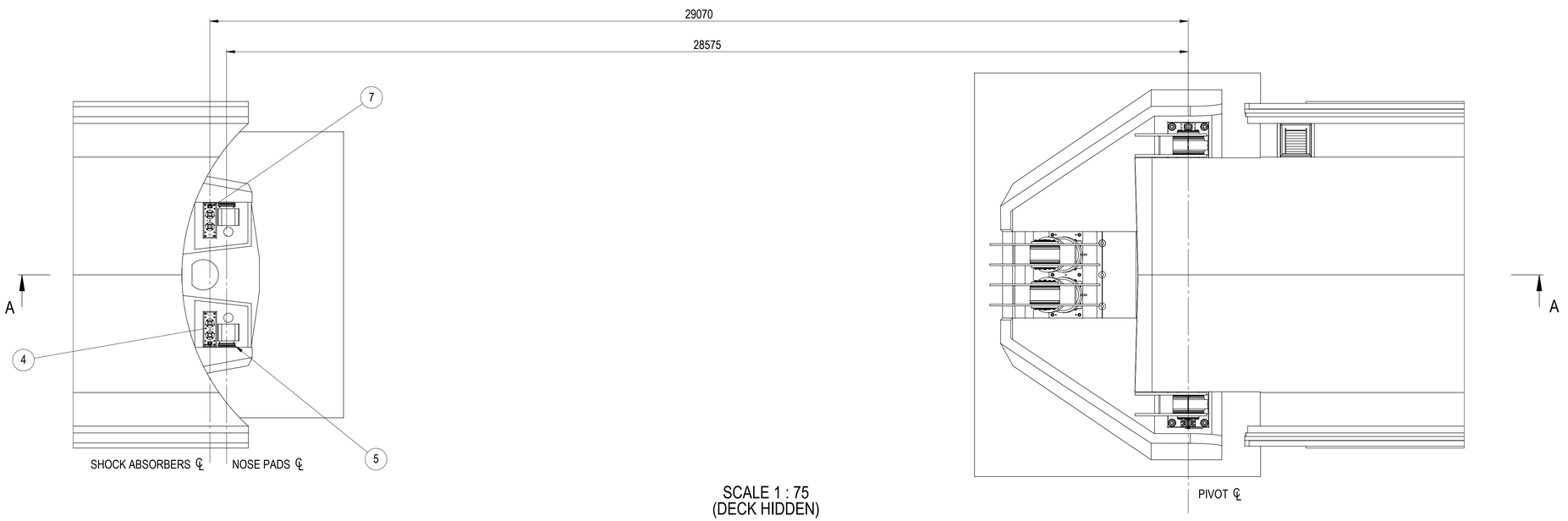
Drawing Title:
SWING BRIDGE REPLACEMENT
GENERAL ARRANGEMENT
SHEET 1

Status:
ISSUE FOR TENDER

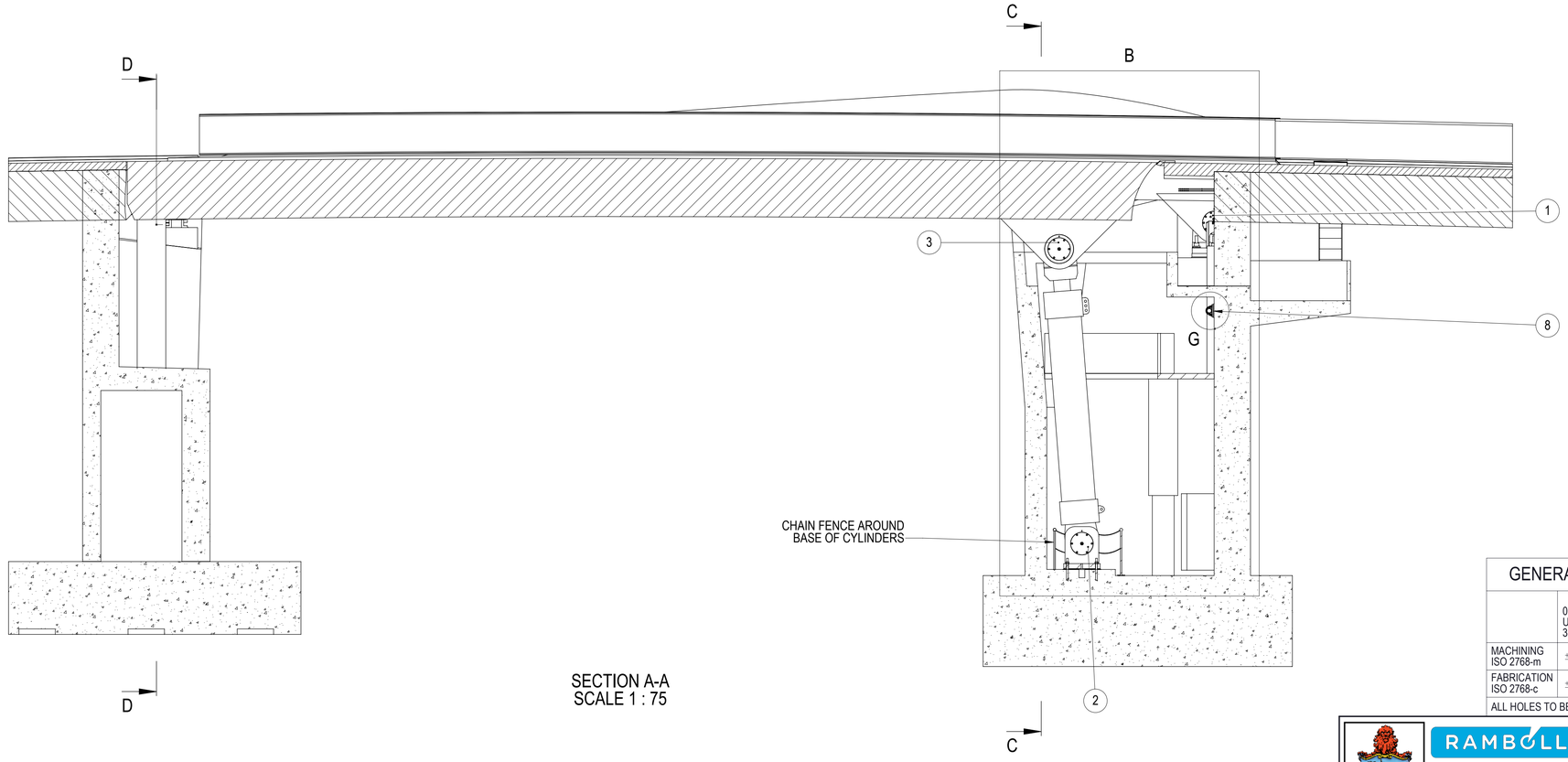
Drawn:	Date:	Scale (at A1):
JJA	05.06.19	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-ME-30001

Rev: T01



SCALE 1 : 75
(DECK HIDDEN)



SECTION A-A
SCALE 1 : 75

ASSEMBLY No. 3502-RAM-SB-XX-DR-ME-30002

GENERAL TOLERANCE TO ISO 2768 UOS

	0.5 UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	OVER 120 UP TO 400	OVER 400 UP TO 1000	OVER 1000 UP TO 2000	OVER 2000 UP TO 4000
MACHINING ISO 2768-m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
FABRICATION ISO 2768-c	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4

ALL HOLES TO BE H11 UOS

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE
AND LONGBIRD BRIDGE, BERMUDA

Drawing Title:
SWING BRIDGE REPLACEMENT
GENERAL ARRANGEMENT
SHEET 2

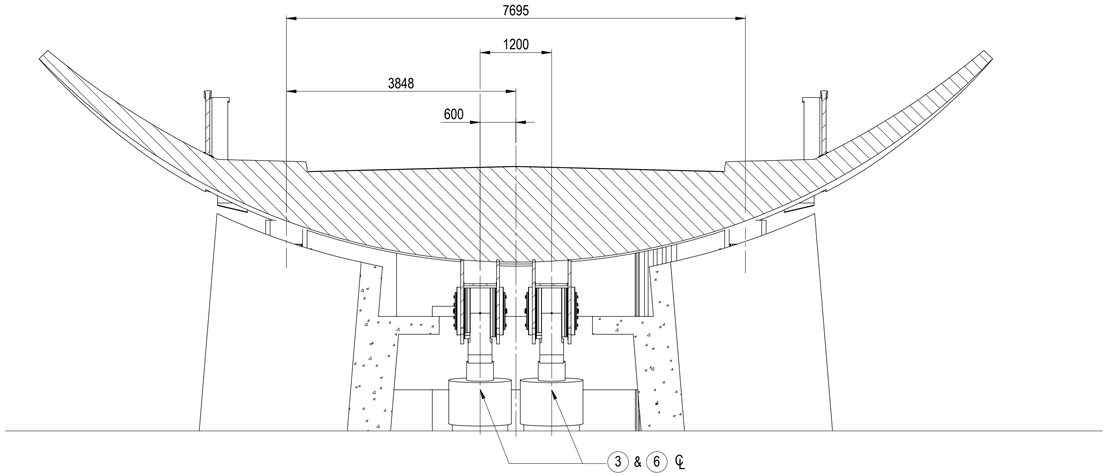
Rev	Description	Date	By	Chk	App
T01	ISSUE FOR TENDER	10.09.25	AR	CB	MNT

Status: ISSUE FOR TENDER

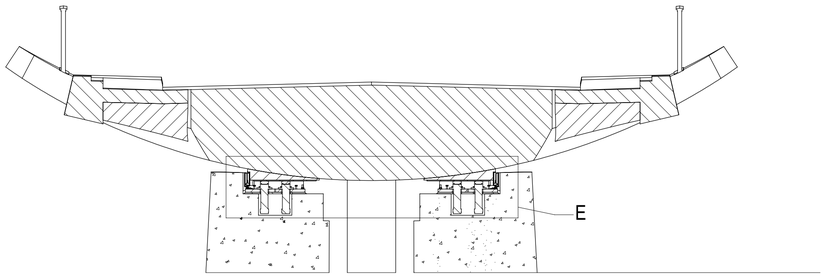
Drawn:	Date:	Scale (at A1):
JJA	05.06.19	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-ME-30002

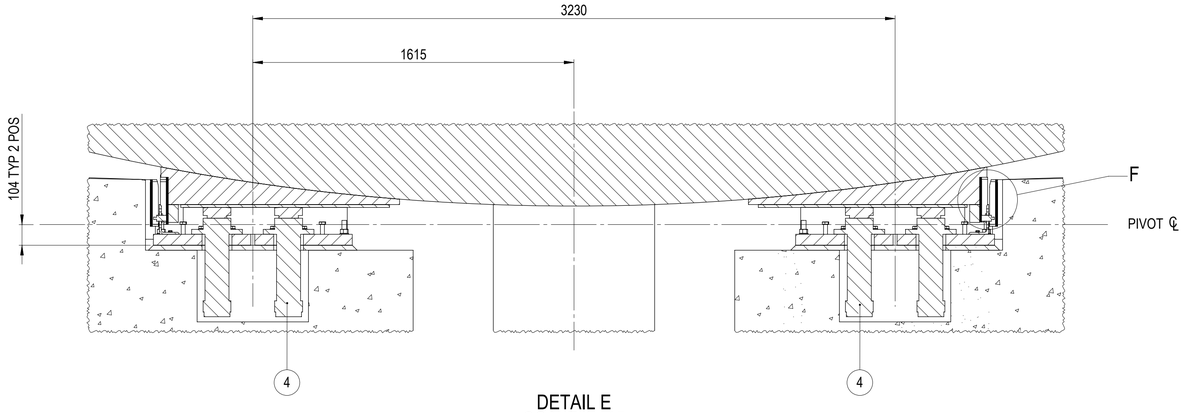
Rev: T01



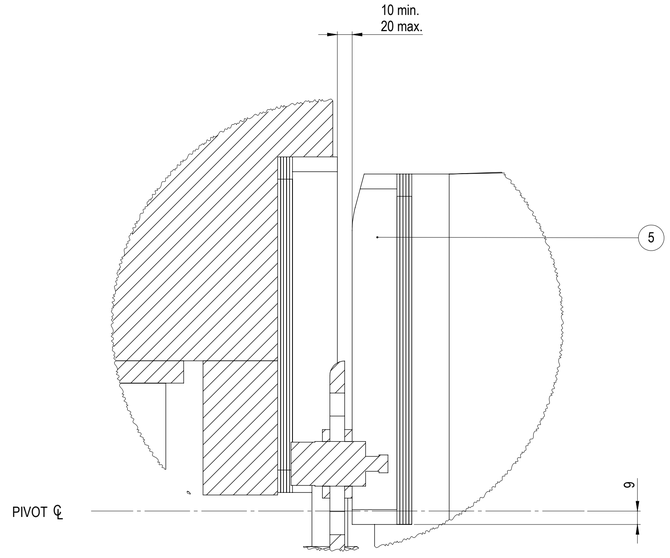
SECTION C-C
SCALE 1 : 50



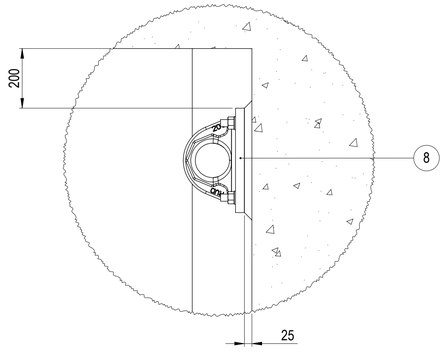
SECTION D-D
SCALE 1 : 50



DETAIL E
SCALE 1 : 15



DETAIL F
TYP 2 POS
SCALE 1 : 2



DETAIL G
TYP 2 POS
SCALE 1 : 10

ASSEMBLY No. 3502-RAM-SB-XX-DR-ME-30003

GENERAL TOLERANCE TO ISO 2768 UOS

	0.5 UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	OVER 120 UP TO 400	OVER 400 UP TO 1000	OVER 1000 UP TO 2000	OVER 2000 UP TO 4000
MACHINING ISO 2768-m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
FABRICATION ISO 2768-c	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4

ALL HOLES TO BE H11 UOS

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title:
SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 3

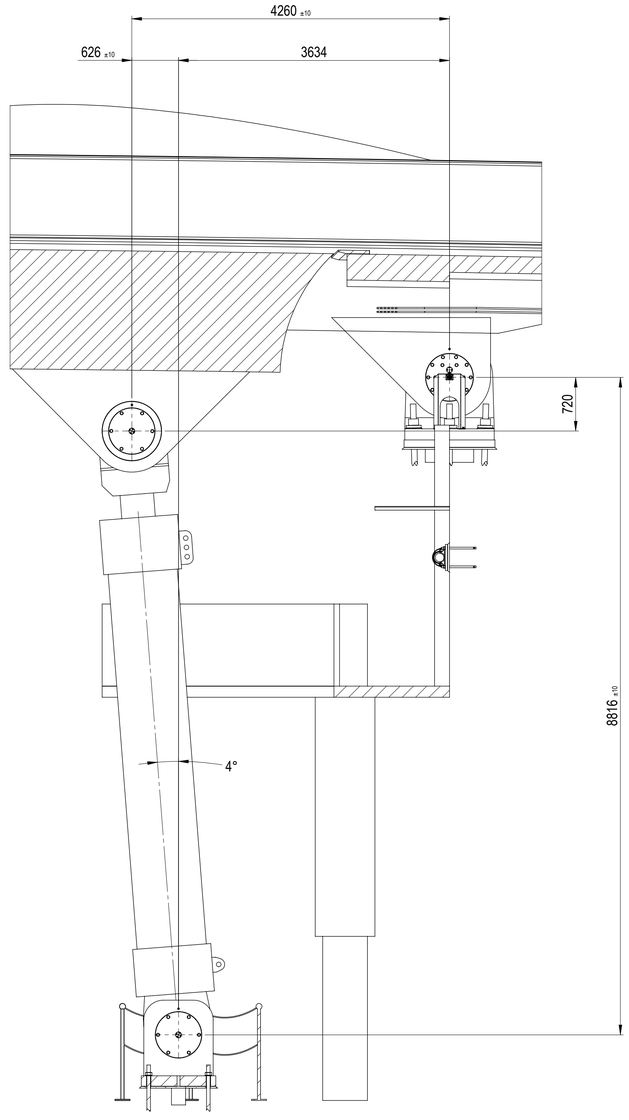
Rev	Description	Date	By / Chk	App
T01	ISSUE FOR TENDER	10.09.25	AR / CB	MNT

Status: ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
JJA	05.06.19	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-ME-30003

Rev: T01



DETAIL B
(PIER 4 HIDDEN)
SCALE 1 : 40

ASSEMBLY No. 3502-RAM-SB-XX-DR-ME-30004

GENERAL TOLERANCE TO ISO 2768 UOS

	0.5 UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	OVER 120 UP TO 400	OVER 400 UP TO 1000	OVER 1000 UP TO 2000	OVER 2000 UP TO 4000
MACHINING ISO 2768-m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
FABRICATION ISO 2768-c	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4

ALL HOLES TO BE H11 UOS

Rev	Description	Date	By	Chk	App
T01	ISSUE FOR TENDER	10.09.25	AR	CB	MNT

RAMBOLL
Knight Architects
EADON CONSULTING

Project Title:
REPLACEMENT OF SWING BRIDGE
AND LONGBIRD BRIDGE, BERMUDA

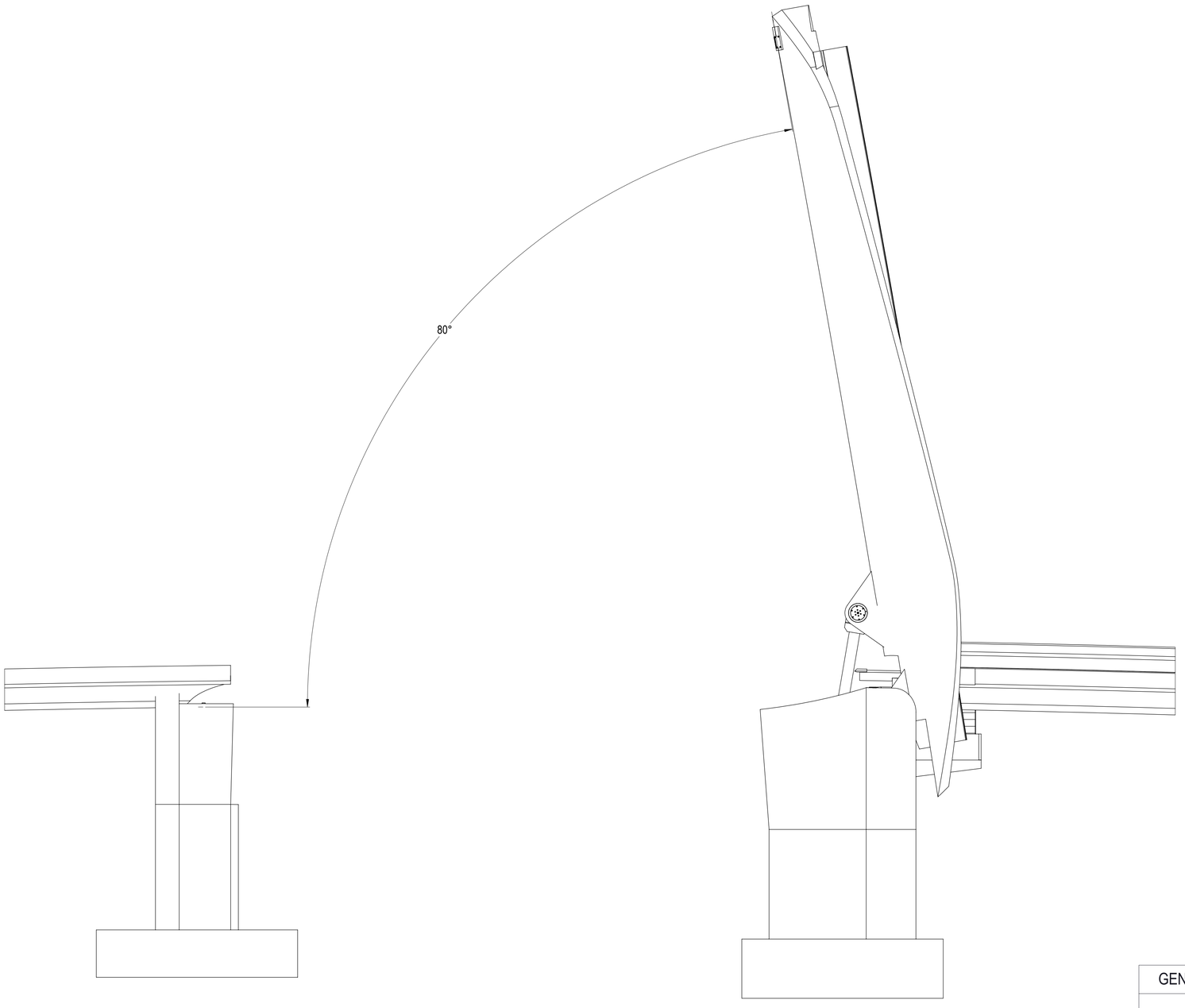
Drawing Title:
SWING BRIDGE REPLACEMENT
GENERAL ARRANGEMENT
SHEET 4

Status:
ISSUE FOR TENDER

Drawn:	Date:	Scale (at A1):
JJA	05.06.19	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-ME-30004

Rev: T01



SCALE 1 : 100

GENERAL TOLERANCE TO ISO 2768 UOS

	0.5 UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	OVER 120 UP TO 400	OVER 400 UP TO 1000	OVER 1000 UP TO 2000	OVER 2000 UP TO 4000
MACHINING ISO 2768-m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
FABRICATION ISO 2768-c	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4

ALL HOLES TO BE H11 UOS

ASSEMBLY No. 3502-RAM-SB-XX-DR-ME-30005

RAMBOLL
Knight Architects
EADON CONSULTING

Rev	Description	Date	By	Chk	App
T01	ISSUE FOR TENDER	10.09.25	AR	CB	MNT

Status: ISSUE FOR TENDER

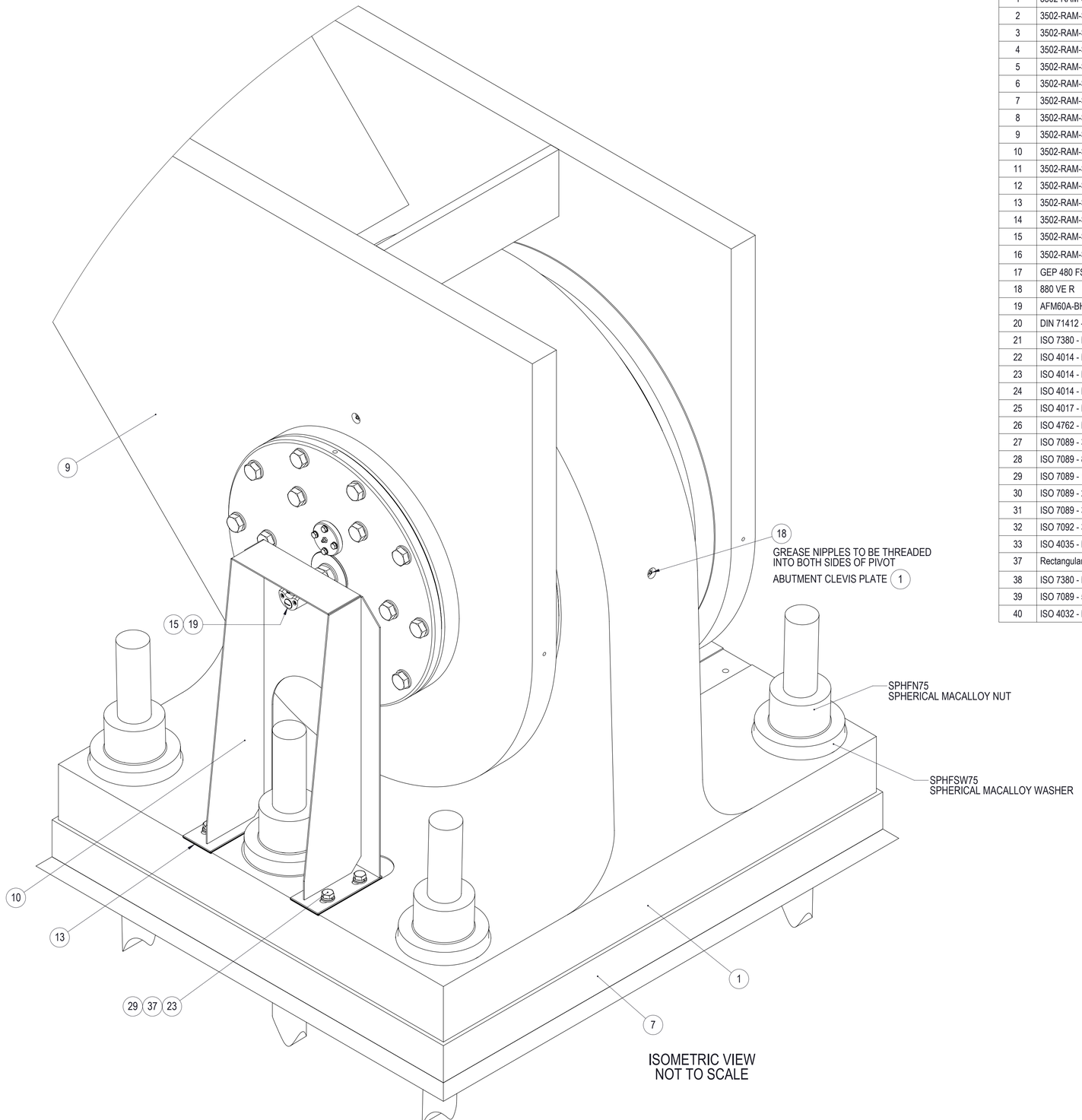
Project Title: REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title: SWING BRIDGE REPLACEMENT GENERAL ARRANGEMENT SHEET 5

Drawn:	Date:	Scale (at A1):
JJA	05.06.19	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-ME-30005

Rev: T01



ISOMETRIC VIEW
NOT TO SCALE

ITEM	PART NUMBER	DESCRIPTION	QTY	MASS (kg)
1	3502-RAM-SB-XX-DR-ME-31501	PIVOT ABUTMENT CLEVIS PLATE	1	4041
2	3502-RAM-SB-XX-DR-ME-31502	DECK PIVOT PIN	1	1122
3	3502-RAM-SB-XX-DR-ME-31503	PIVOT BUSH - LARGE DIAMETER	1	30
4	3502-RAM-SB-XX-DR-ME-31504	PIVOT BUSH - SMALL DIAMETER	1	49
5	3502-RAM-SB-XX-DR-ME-31505	PIVOT BEARING RETAINING RING	2	174
6	3502-RAM-SB-XX-DR-ME-31506	PIVOT END PLATE	2	73
7	3502-RAM-SB-XX-DR-ME-31507	PIVOT BASE PLATE	1	1765
8	3502-RAM-SB-XX-DR-ME-31508	DECK PIVOT END PLATE CAP	2	1
9	3502-RAM-SB-XX-DR-ME-31509	PIVOT DECK CLEVIS	1	2172
10	3502-RAM-SB-XX-DR-ME-31510	ENCODER BRACKET	1	11
11	3502-RAM-SB-XX-DR-ME-31511	ENCODER BAR	1	1
12	3502-RAM-SB-XX-DR-ME-31512	ENCODER END PLATE CAP	2	0.42
13	3502-RAM-SB-XX-DR-ME-31513	ENCODER BRACKET SHIMPACK	2	
14	3502-RAM-SB-XX-DR-ME-31514	PIVOT GASKET	1	1
15	3502-RAM-SB-XX-DR-ME-31515	ENCODER INTERFACE PLATE	1	0
16	3502-RAM-SB-XX-DR-ME-32511	GREASE PORT GASKET	1	
17	GEP 480 FS	SKF - PLAIN SPHERICAL BEARING	1	
18	880 VE R	SKF - V RING SEAL	2	
19	AFM60A-BHIB018x12	SICK ABSOLUTE ENCODER	1	
20	DIN 71412 - M10 x 1.5	M10 GREASE NIPPLE	6	
21	ISO 7380 - M3 x 6 - 6N, GRD 8.8, BZP	HEXAGON SOCKET BUTTON HEAD SCREW	4	
22	ISO 4014 - M8 x 40 x 40-N, GRD 8.8, GALV.	HEX HEAD BOLT	8	
23	ISO 4014 - M16 x 65 x 65-N, GRD 8.8, GALV.	HEX HEAD BOLT	4	
24	ISO 4014 - M24 x 90 x 90-N, GRD 8.8, GALV.	HEX HEAD BOLT	32	
25	ISO 4017 - M30 x 100-N, GRD 8.8, GALV.	HEX HEAD SCREW	1	
26	ISO 4762 - M36 x 120 - 120N, GRD 8.8, GALV.	HEXAGON SOCKET CAP HEAD SCREW	48	
27	ISO 7089 - 3, GALV., HV 200	PLAIN WASHER	4	
28	ISO 7089 - 8, GALV., HV 200	PLAIN WASHER	8	
29	ISO 7089 - 16, GALV., HV 200	PLAIN WASHER	4	
30	ISO 7089 - 24, GALV., HV 200	PLAIN WASHER	32	
31	ISO 7089 - 30, GALV., HV 200	PLAIN WASHER	2	
32	ISO 7092 - 36, GALV., HV 200	PLAIN SMALL WASHER	48	
33	ISO 4035 - M30, CLASS 8, GALV.	HEX THIN NUT	3	
37	Rectangular section spring washer BS 4464 - 16 (Type B)		4	
38	ISO 7380 - M5 x 20 - 20N, GRD 8.8, GALV.	HEXAGON SOCKET BUTTON HEAD SCREW	4	
39	ISO 7089 - 5, GALV., HV 200	PLAIN WASHER	8	
40	ISO 4032 - M5 - D, CLASS 8, GALV.	HEX NUT	4	

NOTES

1. EXECUTION TO CONFORM TO BS EN 1090-2 EXECUTION CLASS EXC 3.
2. PRELOADED BOLTS SHOULD BE TENSIONED TO EN1090-2 DEFAULT IS 0.7XUT.
3. ALL EXPOSED SURFACES MUST BE PROTECTED AFTER ASSEMBLY.
4. LOCTITE 242 TO BE APPLIED TO FIXINGS ON ASSEMBLY.
5. PROPRIETARY ITEMS MUST BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS.
6. ITEMS MUST BE LIFTED USING THEIR DESIGNATED LIFTING POINTS.
7. NO CIVIL OR STRUCTURAL DETAILS SHALL BE READ FROM THIS DRAWING.
8. INSTALLATION RISK ASSESSMENT AND METHOD STATEMENT TO BE DEVELOPED BY CONTRACTOR.
9. ANCHOR BOLTS TO BE PRELOADED TO A MINIMUM OF 1509kN AND A MAXIMUM OF 1724kN.

GENERAL TOLERANCE TO ISO 2768 UOS

	0.5 UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	OVER 120 UP TO 400	OVER 400 UP TO 1000	OVER 1000 UP TO 2000	OVER 2000 UP TO 4000
MACHINING ISO 2768-m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
FABRICATION ISO 2768-c	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4

ALL HOLES TO BE H11 UOS

Rev	Description	Date	By / Chk	App
T01	ISSUE FOR TENDER	10.09.25	LJR / CB	MNT

Status: ISSUE FOR TENDER

Project Title: REPLACEMENT OF SWING BRIDGE AND LONGBIRD BRIDGE, BERMUDA

Drawing Title: SWING BRIDGE REPLACEMENT EAST PIVOT ASSEMBLY SHEET 1

Drawn:	Date:	Scale (at A1):
CB	09.04.19	AS SHOWN

Drawing No.: 3502-RAM-SB-XX-DR-ME-31001 Rev: T01

EAST PIVOT ASSEMBLY
ASSEMBLY No. 3502-RAM-SB-XX-DR-ME-31001

REFERENCE DRAWING

PROPOSED ROUNDABOUT REALIGNMENT

GRID NORTH

Location Plan Scale 1:2500

ST. DAVID'S ROAD

BUSES ONLY LANE

KINDLEY FIELD ROAD

SOUTHSIDE ROAD

conc edge
gravel
bank top
mixed vegetation
bank bottom
grass
grass edge
kerb
post hole
chainlink fence
wall

REFERENCE DRAWING

PROPOSED ROUNDABOUT ALIGNMENT