

VIEW A-A

### PLAN VIEW FOR VALVE CHAMBERS

HOLES FOR HOLD DOWN  
M12 RAW BOLTS

### PLAN VIEW

CONNECT TO VALVE  
SEE DETAIL - A

- A

ELEVATION

SHAFT AND TUBE FRAME SUPPORT DETAIL

**ITEM - 1**  
**COVER PLATE**  
(ACTUATOR SUPPLIER TO PROVIDE ALL DETAILS)

**ITEM - 2**

ITEM - 4  
INNER FLANGE  
(ACTUATOR SUPPLIER TO PROVIDE  
ALL DETAILS)

ITEM - 5  
INNER FLANGE  
(ACTUATOR SUPPLIER TO PROVIDE  
ALL DETAILS)

**ITEM - 3**

PROPOSED ACTUATOR EXTENSION SHAFTS  
(N.T.S.)

DETAIL B  
PROPOSED ACTUATOR CONNECTION ADAPTOR  
(N.T.S.)

DETAIL A  
PROPOSED ACTUATOR EXTENSION ADAPTOR  
(N.T.S.)

THE CIVIL CONTRACTOR SHALL ENSURE  
THAT THE SLEEVE CENTER POINT IS IN LINE  
WITH THE VALVE VERTICAL SHAFT (REFER TO  
CIVIL DRAWINGS FOR DETAILS)

SECTION B-B

HOLES FOR HOLD DOWN  
M12 RAW BOLTS

THE CIVIL CONTRACTOR SHALL ENSURE  
THAT THE SLEEVE CENTER POINT IS IN LINE  
WITH THE VALVE VERTICAL SHAFT (REFER TO  
CIVIL DRAWINGS FOR DETAILS)

VALVE CHAMBER ROOF CONNECTION DETAIL  
TO SUPPORT TUBE FRAME (REFER TO DETAIL  
CHAMBER DRAWINGS FOR DETAILS)

**NOTES**

1. ANY WELDING SHALL COMPLY WITH SANS 10044-1, SANS 2553 AND SANS 15614, WELDS SHALL BE CONTINUOUS, FREE FROM CRACKS AND WELDING DEFECTS.
2. ALL PARTS TO BE CLEARLY MARKED FOR ERECTION PURPOSES.
3. THE CONTRACTOR SHALL PREPARE, AND SUBMIT FOR APPROVAL, ALL DETAIL DRAWINGS NECESSARY FOR MANUFACTURE.
4. DIMENSIONS ARE SHOWN FOR TENDER PURPOSES AND THE CONTRACTOR IS RESPONSIBLE FOR MEASURING UP ON SITE PRIOR TO MANUFACTURE.
5. THE MATERIALS OF CONSTRUCTION SHALL BE 304L STAINLESS STEEL UNLESS WHERE SPECIFICALLY STATED.
6. THE ACTUATOR EXTENSIONS SHALL BE MANUFACTURED FROM GRADE 304L STAINLESS STEEL.
7. THE CONTRACTOR SHALL ENSURE THAT THE TOP WORK COVER IS ALIGNED WITH ACTUATOR EXTENSION.
8. THE CONTRACTOR SHALL ALLOW FOR ALL ADAPTOR AND GEARBOX BE INSTALLED TO VARIOUS POSITIONS.
9. ACTUATOR SHALL COMPLY TO RAND WATER DOCUMENT RC01108 REV.2.

**LEGEND:**

- A: CHAMBER LENGTH  
B: CHAMBER WIDTH  
C: DISTANCE FROM CHAMBER EDGE TO CENTER OF HOLD DOWN BOLTS  
D: DISTANCE FROM CHAMBER EDGE TO CENTER OF HOLD DOWN BOLTS  
E: EXTENSION SHAFT AND COVER TUBE.

[illegible][illegible]

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SAP No.	P.0000	CHECKED	<i>[Signature]</i>
CONTRACT No.		SECTION HEAD	
ORIGINATOR	M.SKELE	APPROVED	<i>[Signature]</i>
DRAWN BY	M.MTOTOBA	CAPACITY	1205
DATE	12/09/2016	DATE	25/05/2017

## RAND WATER SITES

TYPICAL ARRANGEMENT OF ELECTRICALLY OPERATED  
ACTUATOR EXTENSION DETAILS FOR BUTTERFLY VALVES

STATION			WKS										DOC. TYPE		
SCALE : NTS.															