



**NOTES**

- NOTWITHSTANDING WHAT IS REPRESENTED ON THIS P&ID, DOUBLE ISOLATION IS REQUIRED ON ALL ITEMS THAT REQUIRE MAINTENANCE.
- THE DESIGN OF THE BOILER SYSTEM WITHIN THE PACKAGE BOUNDARY IS THE RESPONSIBILITY OF THE BOILER VENDOR. THIS DRAWING SHALL BE USED FOR INFORMATION ONLY. REFER TO BOILER VENDOR DRAWING NO.V120733 FOR MORE DETAILS.
- VENT TO TERMINATE 3M ABOVE ROOF LEVEL WITH THE FOLLOWING DETAIL A-A.

**DETAIL A-A**

**LEGEND**

LC = LOCKED CLOSED  
LO = LOCKED OPEN  
NO = NORMALLY OPEN  
NC = NORMALLY CLOSED  
A.V. = AIR VENT  
CTA = COMMON TROUBLE ALARM  
BBD = BOTTOM BLOWDOWN  
SGBD = SIGHT GLASS BLOWDOWN  
BFP = BACKFLOW PREVENTER  
TDS = TOTAL DISSOLVED SOLIDS

XX-YYY  
ZZZZZZ  
V = VENDOR SUPPLIED INSTRUMENT

XX-YYY  
ZZZZZZ  
V = VENDOR SUPPLIED INSTRUMENT WIRED TO VENDOR PLC

*M. DA SILVA*  
*25 JAN 17*

Alexion Responsible  
Engineer sign off

Name:  
Signature:  
Date:

**MASTER COPY**

ORIGINATOR: PF  
DATE: 14.12.16

**FORMAL ISSUE**

20161214.105929 - FLEMPA

1	RE-ISSUED FOR CONSTRUCTION	JW	PF	MS	SL	13.12.16
0	ISSUED FOR CONSTRUCTION	JW <th>PF</th> <th>MS</th> <th>SL</th> <td>14.10.16</td>	PF	MS	SL	14.10.16
A	FOR DETAILED DESIGN	PF	LC	SL	25.03.16	
ISSUE	DESCRIPTION	DRN	ORIG	AUTH	APP	DATE

**ALEXION**

CLIENT

**PM+ GROUP**

PROJECT

**BDS FACILITY**

TITLE

**CUB - Black Utilities  
PLANT STEAM GENERATION P&ID  
STEAM BOILER #2**

CLIENT REF.

CLIENT DRG No.

PROJECT No. IE0311488

PM DRG No. IE0311488-46-DR-2021

A1 SCALE None