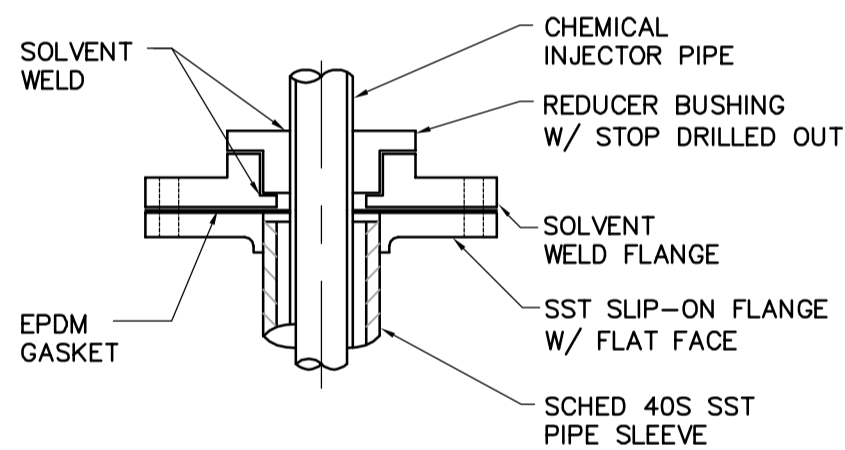
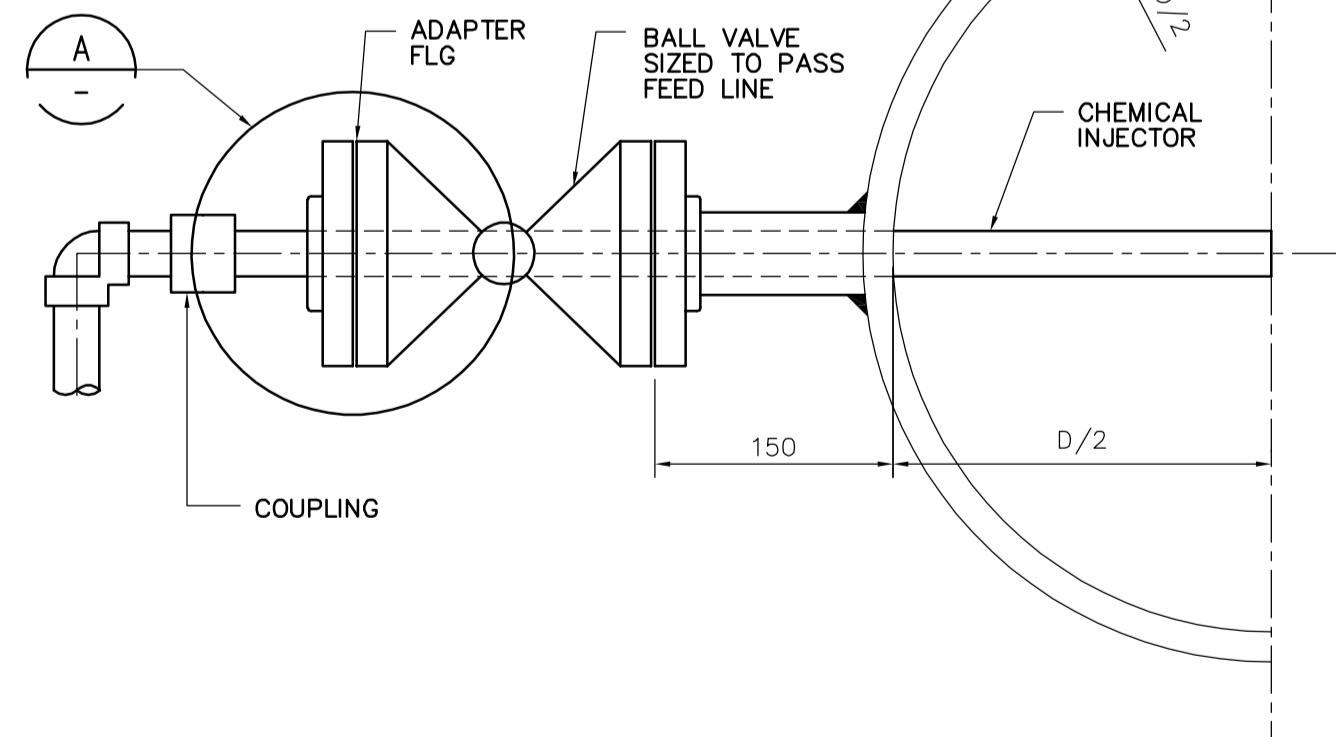


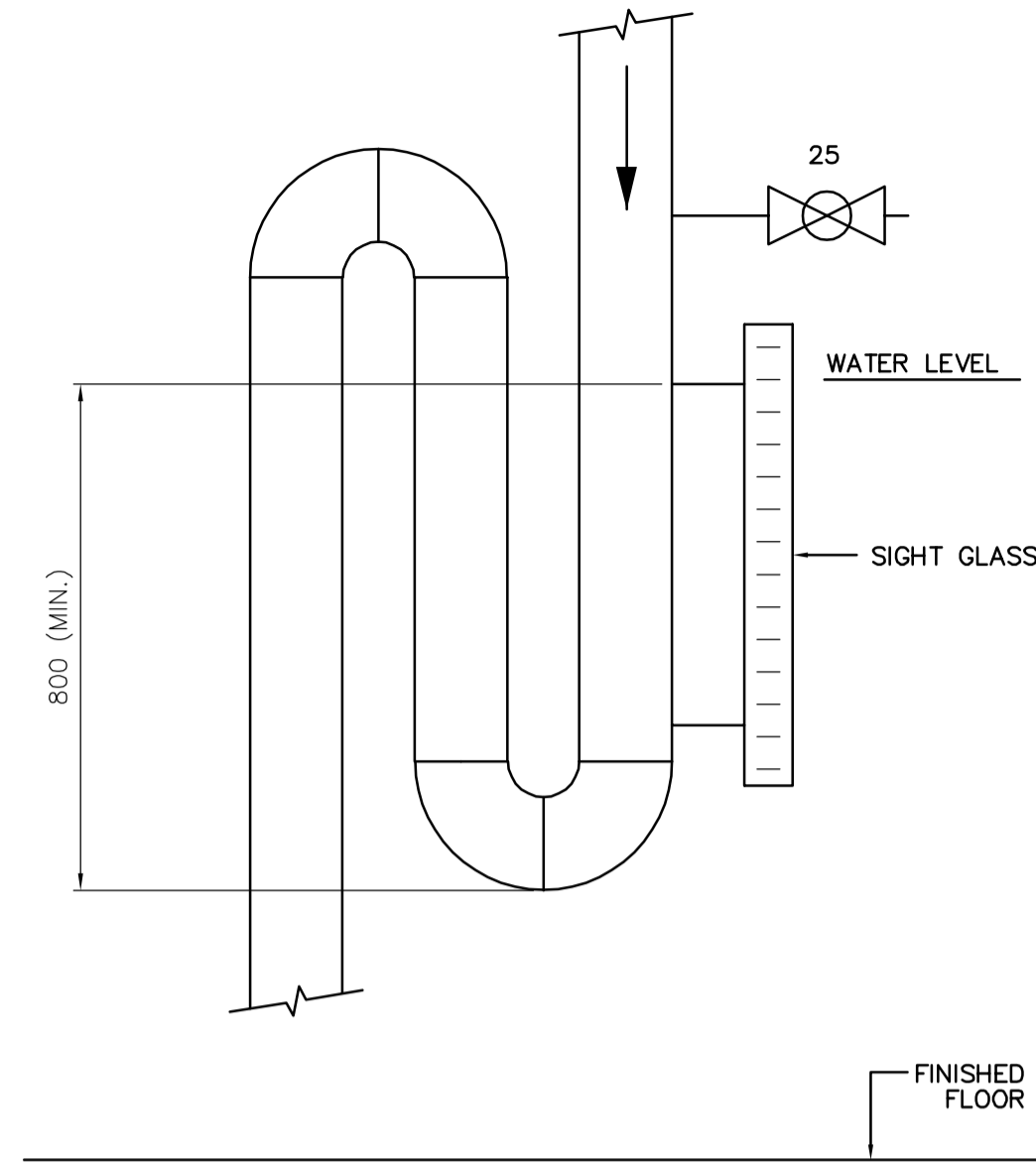
1 FILL PIPE CONNECTION DETAIL  
N.T.S.



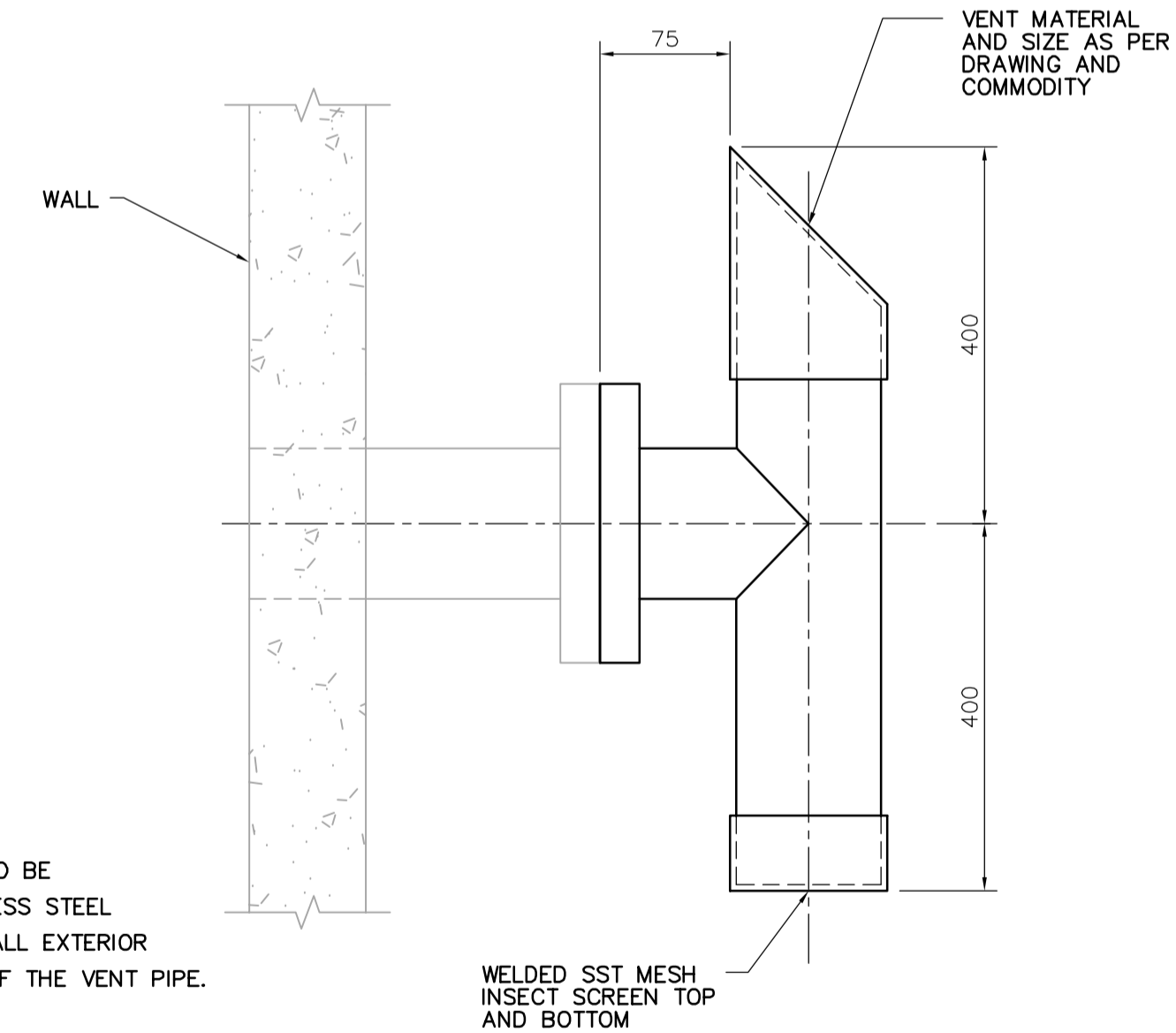
A ADAPTER FLANGE DETAIL  
N.T.S.



3 CHEMICAL INJECTOR  
N.T.S.

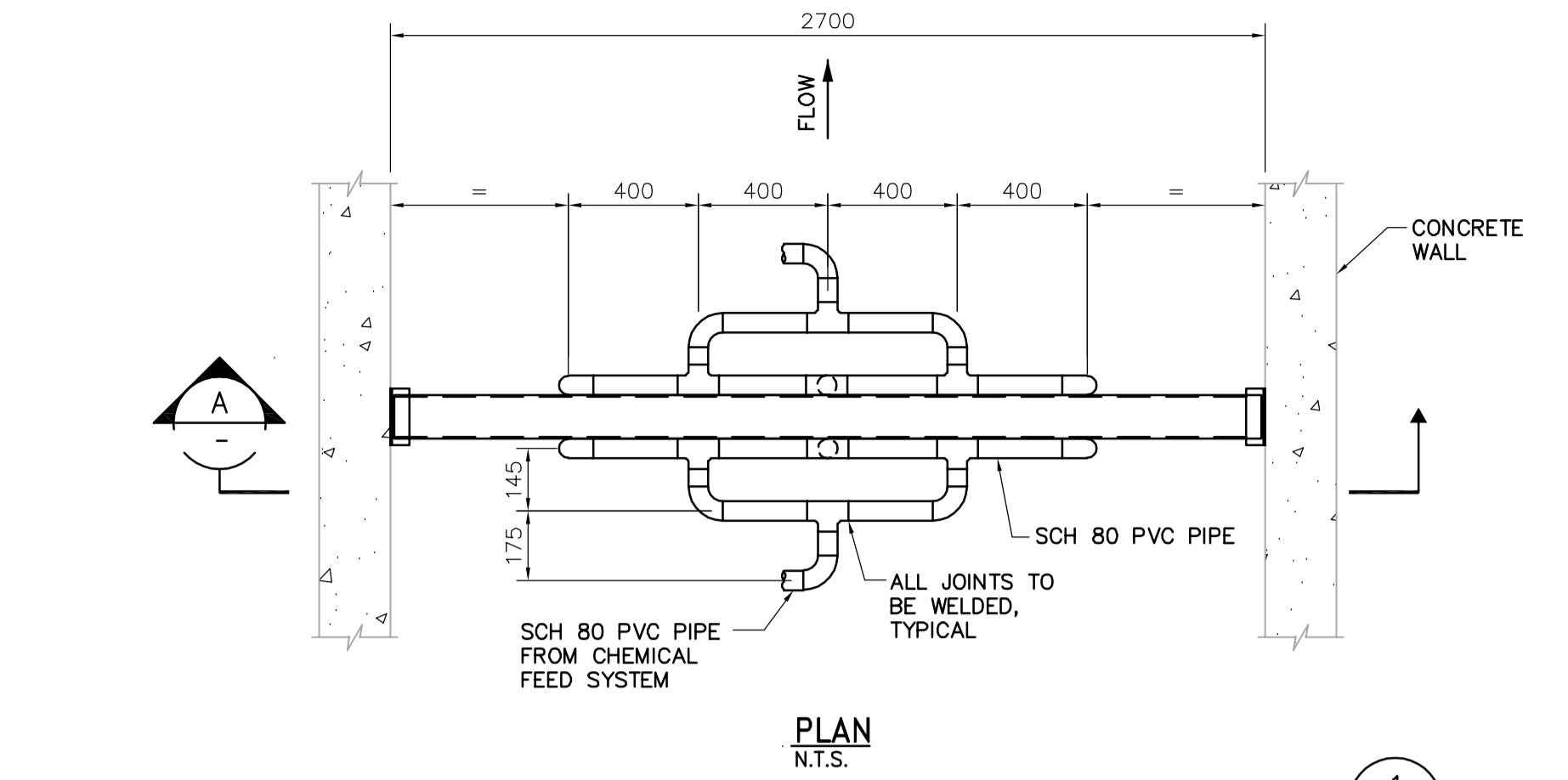


2 OVERFLOW WATER TRAP DETAIL  
N.T.S.

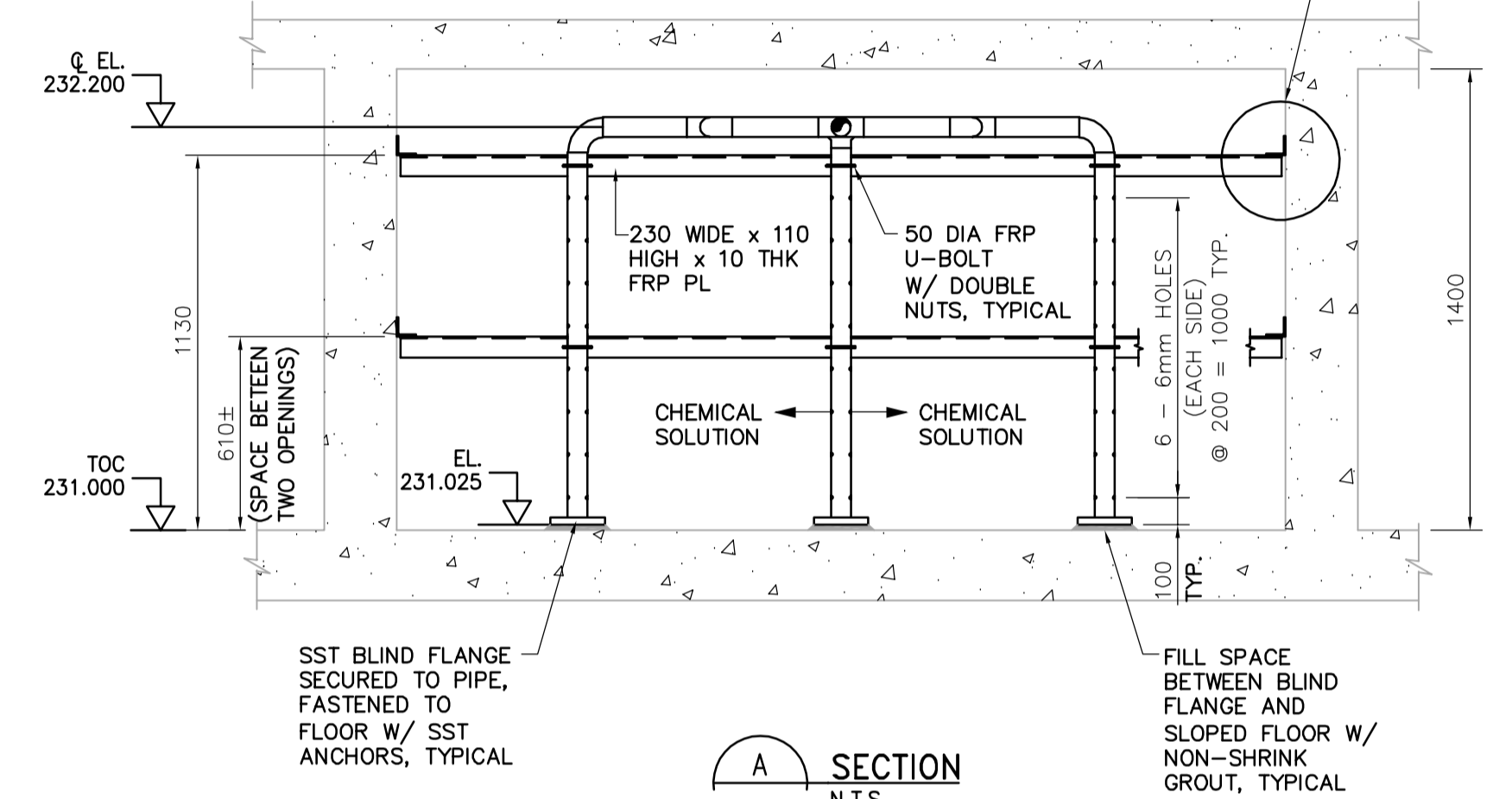


NOTE:  
MATERIAL TO BE  
316 STAINLESS STEEL  
INCLUDING ALL EXTERIOR  
PORTIONS OF THE VENT PIPE.

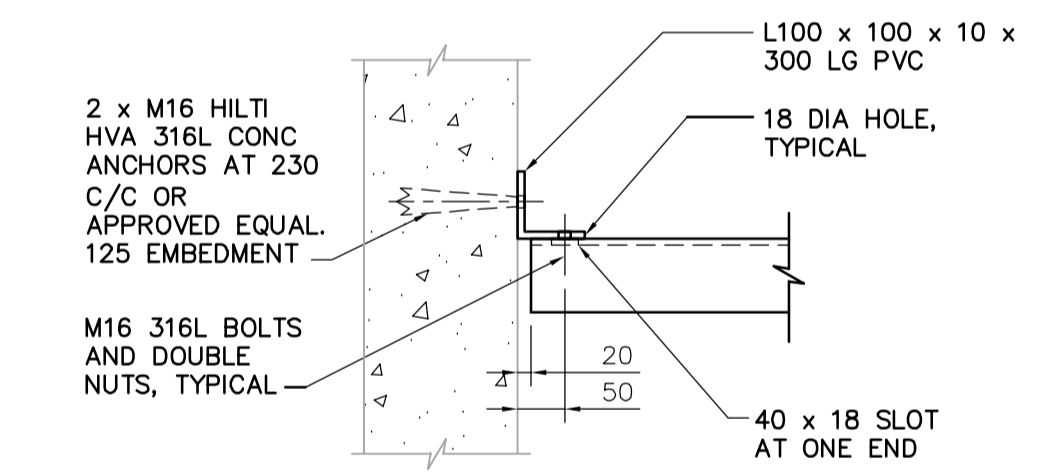
4 VENT PIPE CONNECTION DETAIL  
N.T.S.



PLAN  
N.T.S.



A SECTION  
N.T.S.



1 DETAIL  
N.T.S.

NOTES:

1. THE FOLLOWING DIFFUSERS ARE TO BE LOCATED UPSTREAM OF THE CHLORINE CONTACT TANK IN THE FILTER AREA:  
-50mm Ø SODIUM HYPOCHLORITE.
2. EACH DIFFUSER ASSEMBLY SHALL BE CONSTRUCTED WITH A DUTY/STAND-BY CONFIGURATION. 2 DIFFUSERS FOR EACH CHEMICAL SERVICE IDENTIFIED ABOVE.
3. ALL DIFFUSER PIPING SHALL BE SCH 80 PVC.
4. ALL DIFFUSER PIPING SHALL BE SIZED ACCORDING TO THE COMMODITY SIZES INDICATED ABOVE.

5 FILTER AREA DIFFUSER DETAIL  
N.T.S.

|   |             |   |   |                 |   |                               |               |                        |               |      |            |      |            |      |            |
|---|-------------|---|---|-----------------|---|-------------------------------|---------------|------------------------|---------------|------|------------|------|------------|------|------------|
| <p>Certificate of Authorization<br/>CH2M HILL Canada Ltd.<br/>No. 1441 Expiry: April 30, 2006</p> | B.M. ELEV.  | <p>Frederickson Cooper<br/>ARCHITECTS</p> | <p>A 100 International Ltd. Company</p> | ENGINEER'S SEAL | <p>THE CITY OF WINNIPEG<br/>WATER AND WASTE DEPARTMENT<br/>ENGINEERING DIVISION</p> |                               |               |                        |               |      |            |      |            |      |            |
|   | DESIGNED BY |   |   | KS              |   | CHECKED BY                    | NN            | ORIGINAL SIGNED BY     | J.W. SINCLAIR |      |            |      |            |      |            |
|   | DRAWN BY    |   |   | YFS             |   | APPROVED BY                   | AHL           | DATE                   | 2006/03/29    |      |            |      |            |      |            |
|   | SCALE:      |   |   | NONE            |   | RELEASED FOR CONSTRUCTION BY: | R. SOROKOWSKI | CONSULTANT DRAWING NO. | WC-M0451      |      |            |      |            |      |            |
| 00 ISSUED FOR TENDER  | 06/03/29    | KS  | 2005/10/06                              | DATE            | 2006/03/29  | DATE                          | 2006/03/29    | DATE                   | 2006/03/29    | DATE | 2006/03/29 | DATE | 2006/03/29 | DATE | 2006/03/29 |
| NO. REVISIONS   | DATE        | BY  | DATE                                    | DATE            | DATE  | DATE                          | DATE          | DATE                   | DATE          | DATE | DATE       | DATE | DATE       | DATE | DATE       |