

02 December 2019

To: To Whom It May Concern

Our Ref L/0011/2019-09/AMD-AD

Dear Sirs/Madams,

**Code of Practice 101 for Distribution Substation Design (COP101)**  
**Update No. 4/2019 – New and Revised COP101 Drawings**

This letter serves to announce the new and revision of COP101 drawings as below. We are pleased to provide herewith updates to the Code of Practice 101 for Distribution Substation Design (COP101) for your reference.

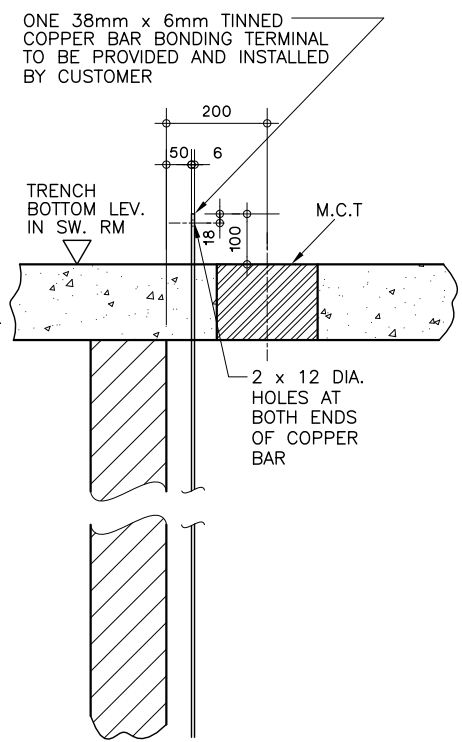
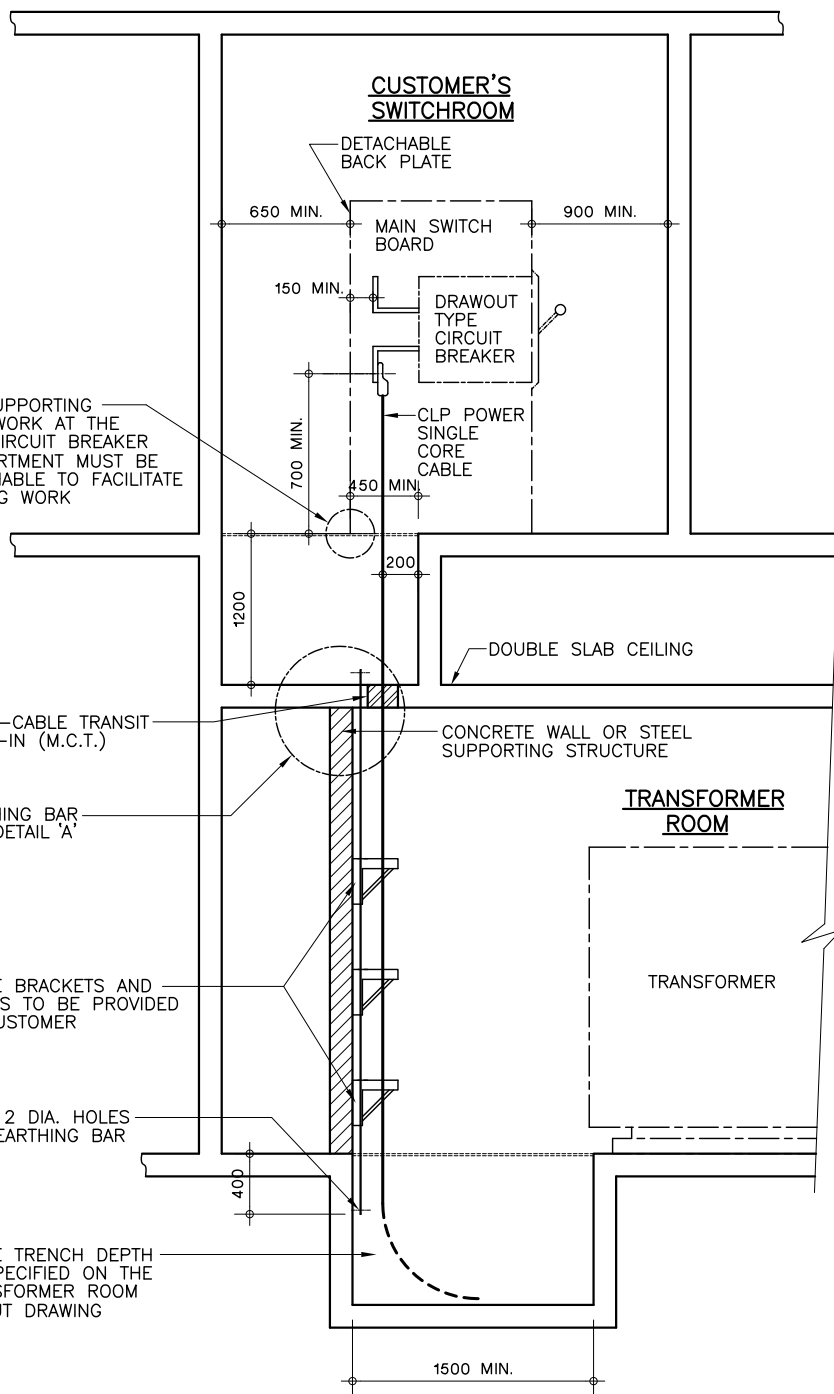
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document:          | COP101 Version 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Effective Date:    | 10 December 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Summary of Change: | <p>New and revised COP101 drawings are listed below and attached.</p> <ol style="list-style-type: none"> <li>1. Revision of drawing - T-COP-10250-D-E33-0102-03-E-A<br/>(Concrete wall or steel supporting structure added to optimise cable routing.)</li> <li>2. Revision of drawing - T-COP-10250-D-E33-0102-04-E-A<br/>(Concrete wall or steel supporting structure added to optimise cable routing.))</li> <li>3. Revision of drawing - T-COP-10250-D-E33-0103-16-E-A<br/>(Dimension of wicket door added.)</li> <li>4. Revision of drawing - T-COP-10250-D-E33-0103-17-E-A<br/>(Dimension of wicket door added.)</li> <li>5. Revision of drawing - T-COP-10250-D-E33-0103-18-E-A<br/>(Dimension of wicket door added.)</li> <li>6. Revision of drawing - T-COP-10250-D-E33-0103-19-E-A<br/>(Dimension of wicket door added.)</li> <li>7. Revision of drawing – T-COP-10250-D-E33-0103-29-B-A<br/>(Outlet of temporary supply cables updated.)</li> <li>8. New drawing – T-COP-10250-D-E33-0103-40-A<br/>(Typical details of eyebolt Installation for L.V. board)</li> </ol> |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>9. New drawing – T-COP-10250-D-E33-0103-41-A<br/>(Typical details of double leaf laminated steel door with shut bolt)</p> <p>10. New drawing – T-COP-10250-D-E33-0103-42-A<br/>(Typical details of single leaf laminated steel door with shut bolt)</p> <p>11. Revision of drawing – T-COP-10250-D-E33-0104-04-C-A<br/>(Note added.)</p> <p>12. Revision of drawing – T-COP-10250-D-E33-0104-05-E-A<br/>(Note added.)</p> <p>13. Revision of drawing – T-COP-10250-D-E33-0104-06-F-A<br/>(Note added.)</p> <p>14. Revision of drawing – T-COP-10250-D-E33-0104-07-G-A<br/>(Note added.)</p> <p>15. Revision of drawing – T-COP-10250-D-E33-0112-03-A-A<br/>(Vertical storage frame arrangement for 2700 length floodgate is deleted.)</p> |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Yours sincerely,



Yiksing Yeung  
Acting Asset Development Engineer



**DETAIL 'A'**  
SCALE 1 : 15

1. EXACT POSITION OF ALL MAIN INCOMING CIRCUIT BREAKERS AND DETAILED CABLE TRENCH LAYOUT WITHIN CUSTOMER'S SWITCHROOM MUST BE SUBMITTED TO CLP POWER FOR APPROVAL PRIOR TO INSTALLATION.
2. REFER TO DRAWING NO. T-COP-10250-D-E33-0103-13 FOR THE CLEARANCE BEHIND THE MAIN SWITCH BOARD.
3. WATERPROOFING SHALL BE APPLIED TO THE SLAB BETWEEN THE CEILING OF THE SUBSTATION AND THE VOID.
4. DRAIN SHALL BE PROVIDED IN THE VOID TO DRAIN AWAY WATER LEAKED INTO THE VOID.
5. NO DRAIN OR OTHER WATER SERVICES PIPE SHALL RUN INTO OR CONCEAL IN THE CEILING SLAB OF THE SUBSTATION.

|   |                                                                             |
|---|-----------------------------------------------------------------------------|
| E | CONCRETE WALL OR STEEL SUPPORTING STRUCTURE ADDED TO OPTIMISE CABLE ROUTING |
| D | CABLE TRENCH AND FACILITY FOR CUSTOMER MAIN SWITCHROOM UPDATED              |
| C | DIMENSION OF CABLE TRENCH ADDED AND DOUBLE SLAB HEIGHT CHANGED              |
| B | DOUBLE SLAB CEILING ADDED                                                   |
| A | NOTE 2 ADDED                                                                |

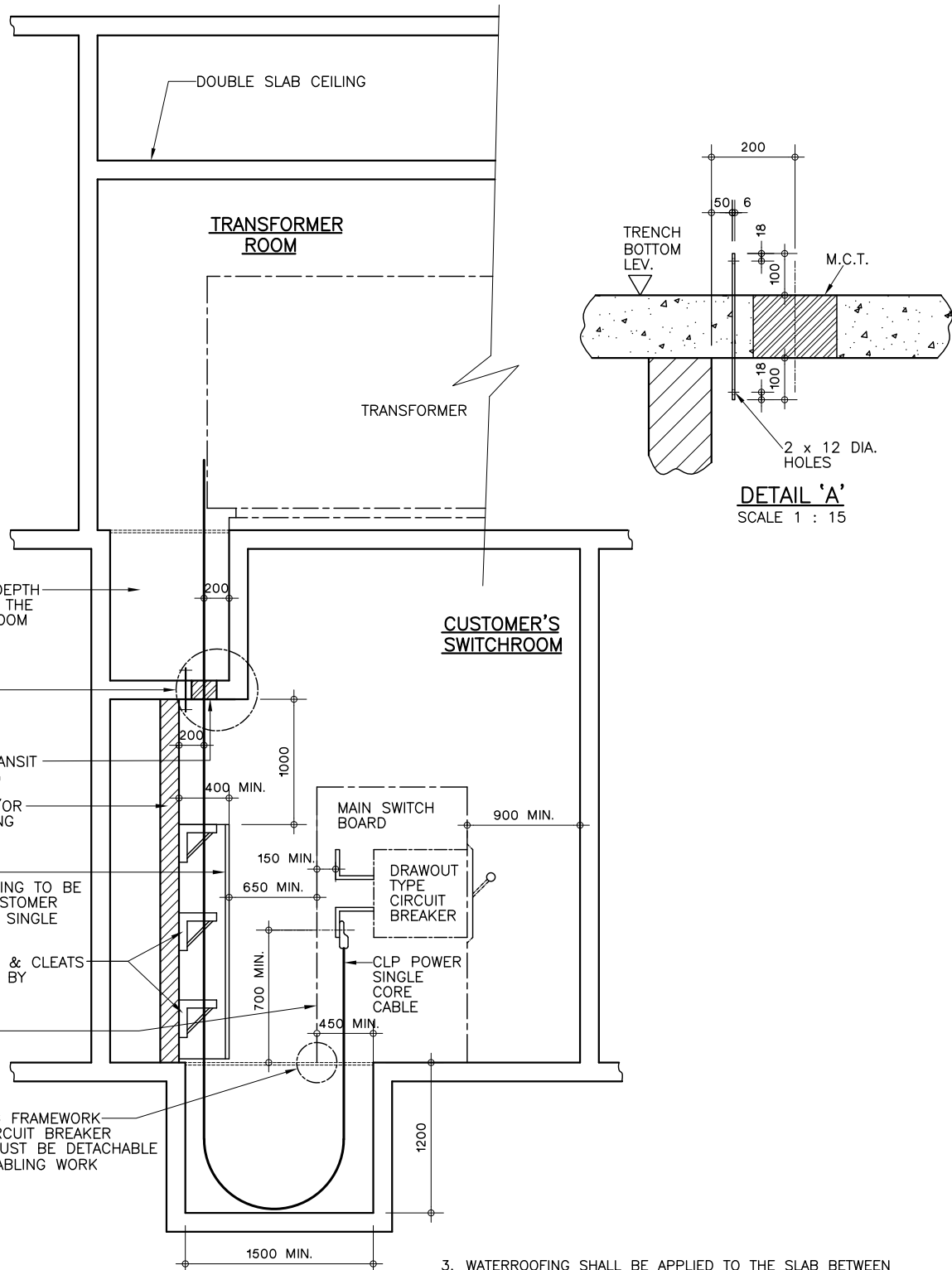


| REVS.   | 21.11.07    | 08.01.10    | 23.03.12    | 23.02.17    | 20.06.19    |   |   |   |   |   |   |  |  |
|---------|-------------|-------------|-------------|-------------|-------------|---|---|---|---|---|---|--|--|
| INITIAL | A<br>K.C.C. | B<br>K.C.C. | C<br>K.C.C. | D<br>H.T.YU | E<br>H.T.YU | F | G | H | J | K | L |  |  |

TITLE :  
**MINIMUM REQUIREMENTS FOR CUSTOMER MAIN SWITCHROOM ABOVE TRANSFORMER ROOM**

|                      |                      |
|----------------------|----------------------|
| DRAWN: S. C. TO      | DATE: 12-8-2002      |
| CHECKED: K. C. CHENG | APPROVED: K. W. WONG |
| SCALE: 1 : 50 (mm)   | SHEET(S) IN SET:     |

|                         |                                        |
|-------------------------|----------------------------------------|
| <b>ASSET MANAGEMENT</b> | DRG. NO. T-COP-10250-D-E33-0102-03-E-A |
|-------------------------|----------------------------------------|

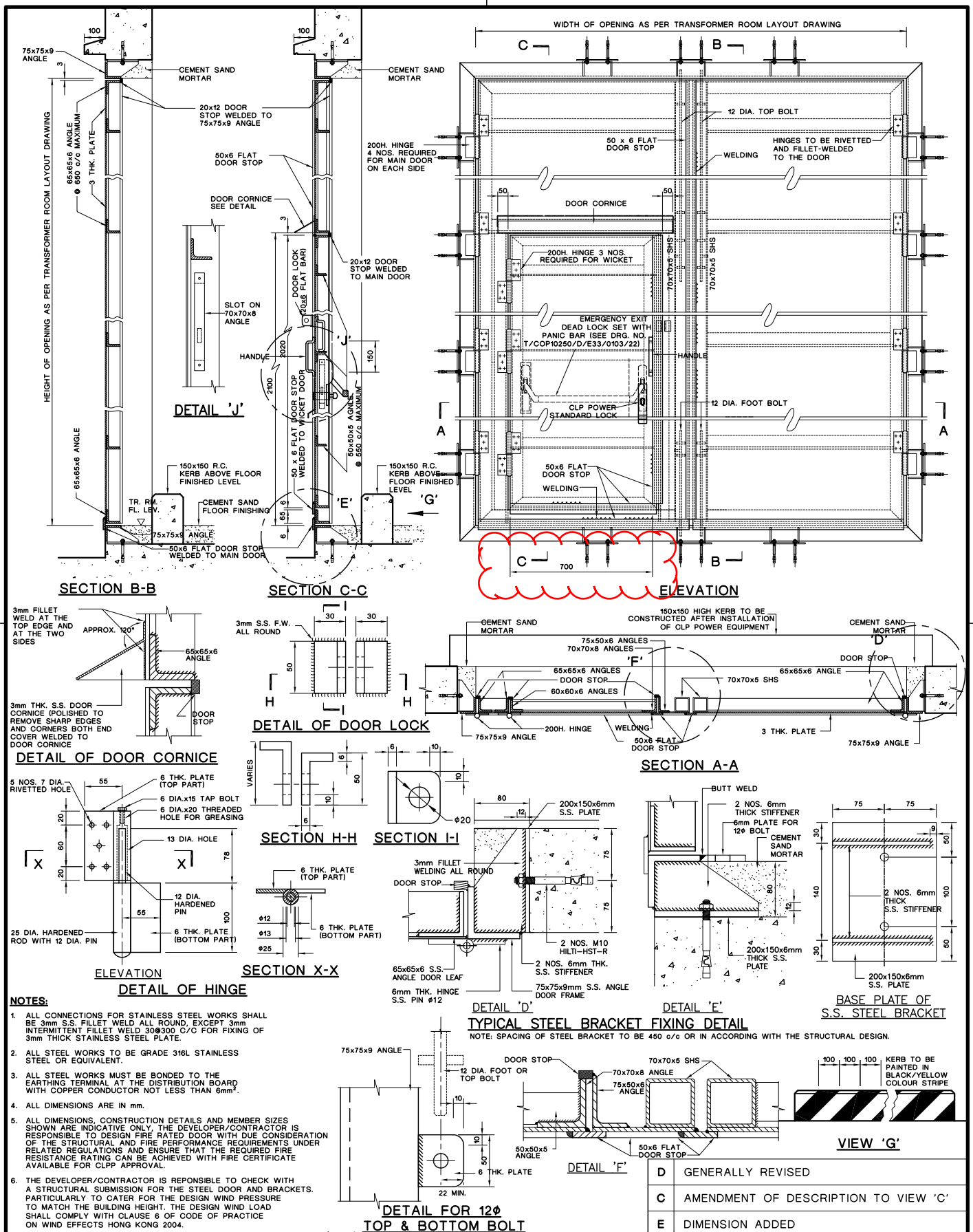


# NOTES:

1. EXACT POSITION OF ALL MAIN INCOMING CIRCUIT BREAKERS AND DETAILED CABLE TRENCH LAYOUT WITHIN CUSTOMER'S SWITCHROOM MUST BE SUBMITTED TO CLP POWER FOR APPROVAL PRIOR TO INSTALLATION.
2. REFER TO DRAWING NO. T-COP-10250-D-E33-0103-13 FOR THE CLEARANCE BEHIND THE MAIN SWITCH BOARD.
3. WATERPROOFING SHALL BE APPLIED TO THE SLAB BETWEEN THE CEILING OF THE SUBSTATION AND THE VOID.
4. DRAIN SHALL BE PROVIDED IN THE VOID TO DRAIN AWAY WATER LEAKED INTO THE VOID.
5. NO DRAIN OR OTHER WATER SERVICES PIPE SHALL RUN INTO OR CONCEAL IN THE CEILING SLAB OF THE SUBSTATION.

|                                                                  |                                                                   |                                                                                                  |
|------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| C DIMENSION OF CABLE TRENCH ADDED AND DOUBLE SLAB HEIGHT CHANGED | D CABLE TRENCH AND FACILITY FOR CUSTOMER MAIN SWITCHROOM UPDATED. | E CONCRETE WALL OR STEEL SUPPORTING STRUCTURE ADDED TO OPTIMISE CABLE ROUTING                    |
| <div data-bbox="175 1870 566 1971"> </div>                       |                                                                   | REVS. 21.11.07 08.01.10 23.03.12 17.03.17 20.09.19<br>INITIAL K.C.C. K.C.C. K.C.C. H.T.YU H.T.YU |
|                                                                  |                                                                   | TITLE :<br><b>MINIMUM REQUIREMENTS FOR CUSTOMER MAIN SWITCHROOM BELOW TRANSFORMER ROOM</b>       |
| DRAWN: T. Y. IP                                                  | DATE: 19-07-2002                                                  | <div data-bbox="95 2094 646 2139"> <b>ASSET MANAGEMENT</b> </div>                                |
| CHECKED: K. C. CHENG                                             | APPROVED: K. W. WONG                                              |                                                                                                  |
| SCALE: 1 : 50 (mm)                                               | SHEET(S) IN SET:                                                  |                                                                                                  |
| DRG. NO. T-COP-10250-D-E33-0102-04-E-A                           |                                                                   |                                                                                                  |



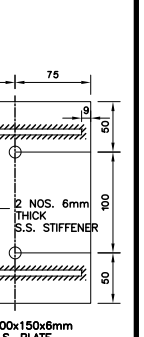
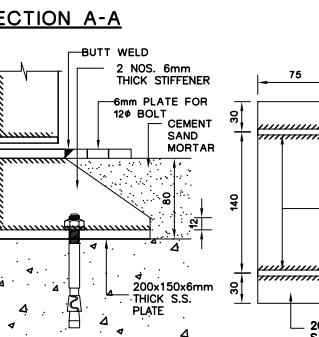
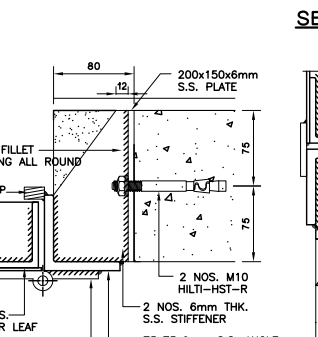
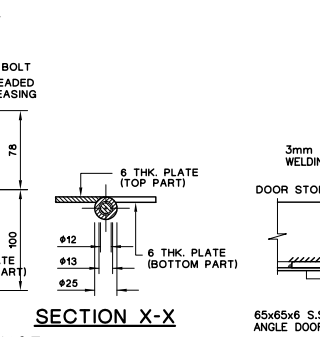
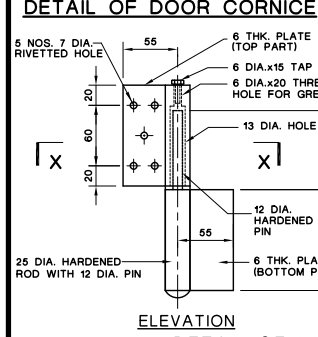
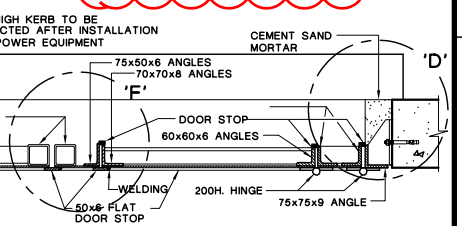
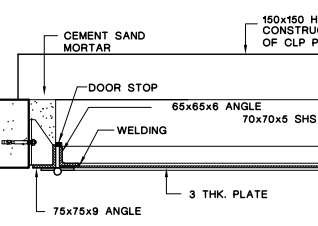
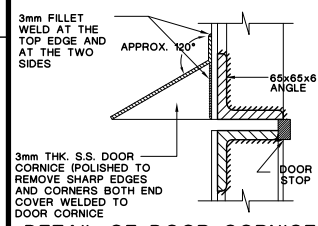
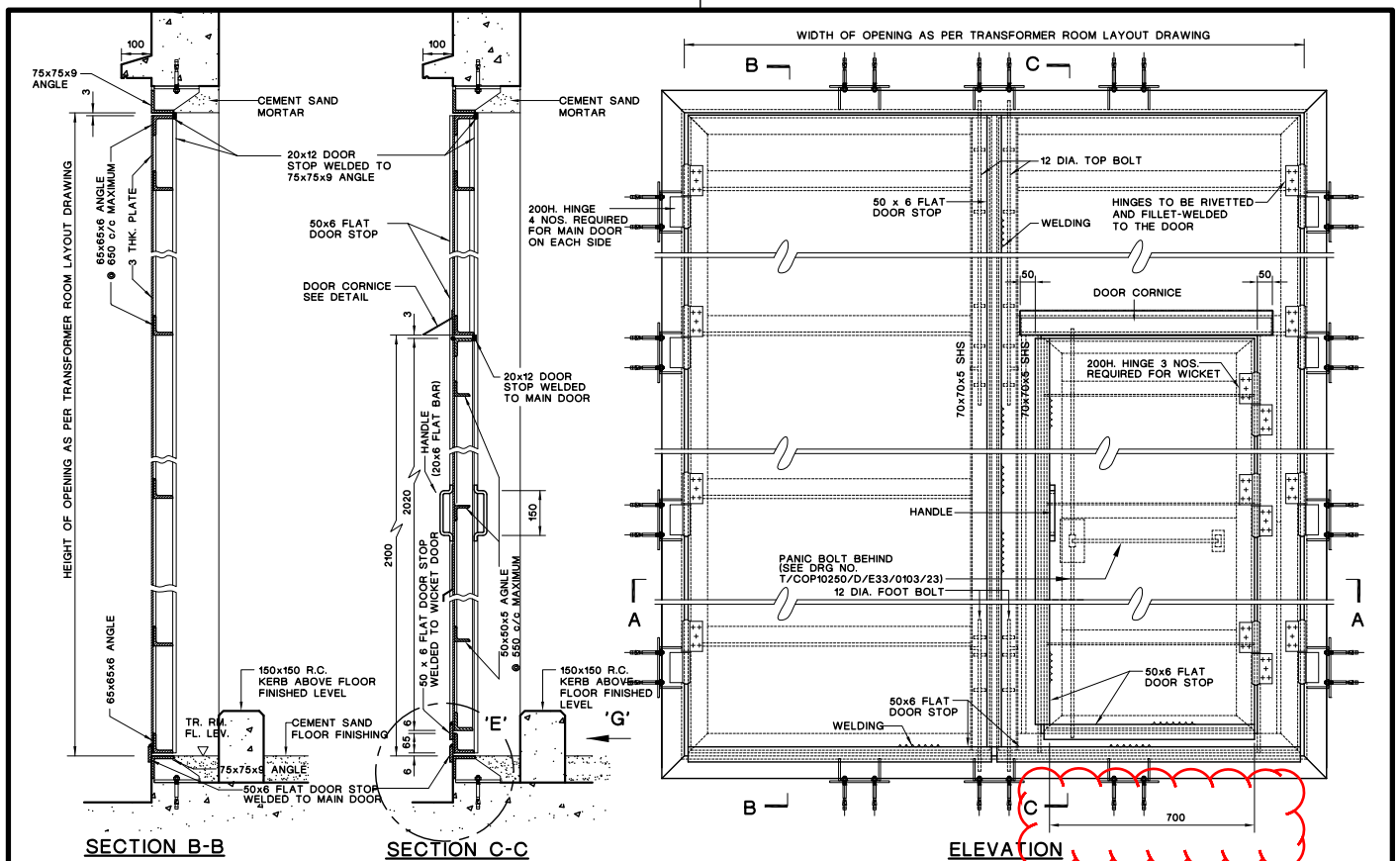


| REVS.   | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-06-19 |   |   |   |   |   |   |  |  |  |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|--|--|--|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |  |  |  |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |  |  |  |

TITLE :  
TYPICAL DETAILS OF DOUBLE LEAF  
STAINLESS STEEL DOOR WITH WICKET ON  
THE LEFT

|                         |                     |
|-------------------------|---------------------|
| DRAWN: FONG, MING SUM   | DATE: 01-03-2016    |
| CHECKED: FONG, MING SUM | APPROVED: GARY KWOK |
| SCALE: N. T. S.         | SHEET(S) IN SET:    |

|                  |                                                    |
|------------------|----------------------------------------------------|
| ASSET MANAGEMENT | DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 0 3 1 7 E A |
|------------------|----------------------------------------------------|



**NOTES:**

- ALL CONNECTIONS FOR STAINLESS STEEL WORKS SHALL BE 3mm S.S. FILLET WELD ALL ROUND, EXCEPT 3mm INTERMITTENT FILLET WELD 300x300 C/C FOR FIXING OF 3mm THICK STAINLESS STEEL PLATE.
- ALL STEEL WORKS TO BE GRADE 316L STAINLESS STEEL OR EQUIVALENT.
- ALL STEEL WORKS MUST BE BONDED TO THE EARTHING TERMINAL AT THE DISTRIBUTION BOARD WITH COPPER CONDUCTOR NOT LESS THAN 6mm<sup>2</sup>.
- ALL DIMENSIONS ARE IN mm.
- ALL DIMENSIONS, CONSTRUCTION DETAILS AND MEMBER SIZES SHOWN ARE INDICATIVE ONLY. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO DESIGN FIRE RATED DOOR WITH DUE CONSIDERATION OF THE STRUCTURAL AND FIRE PERFORMANCE REQUIREMENTS UNDER RELATED REGULATIONS AND ENSURE THAT THE REQUIRED FIRE RESISTANCE RATING CAN BE ACHIEVED WITH FIRE CERTIFICATE AVAILABLE FOR CLP APPROVAL.
- THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO CHECK WITH A STRUCTURAL SUBMISSION FOR THE STEEL DOOR AND BRACKETS. PARTICULARLY TO CATER FOR THE DESIGN WIND PRESSURE TO MATCH THE BUILDING HEIGHT. THE DESIGN WIND LOAD SHALL COMPLY WITH CLAUSE 6 OF CODE OF PRACTICE ON WIND EFFECTS HONG KONG 2004.

**DETAIL 'D' TYPICAL STEEL BRACKET FIXING DETAIL**  
NOTE: SPACING OF STEEL BRACKET TO BE 450 c/c OR IN ACCORDING WITH THE STRUCTURAL DESIGN.

**DETAIL 'E' BASE PLATE OF S.S. STEEL BRACKET**

**DETAIL 'F' TOP & BOTTOM BOLT**

**VIEW 'G'**

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

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TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

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TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
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|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

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TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

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**REVISIONS:**

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|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

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**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

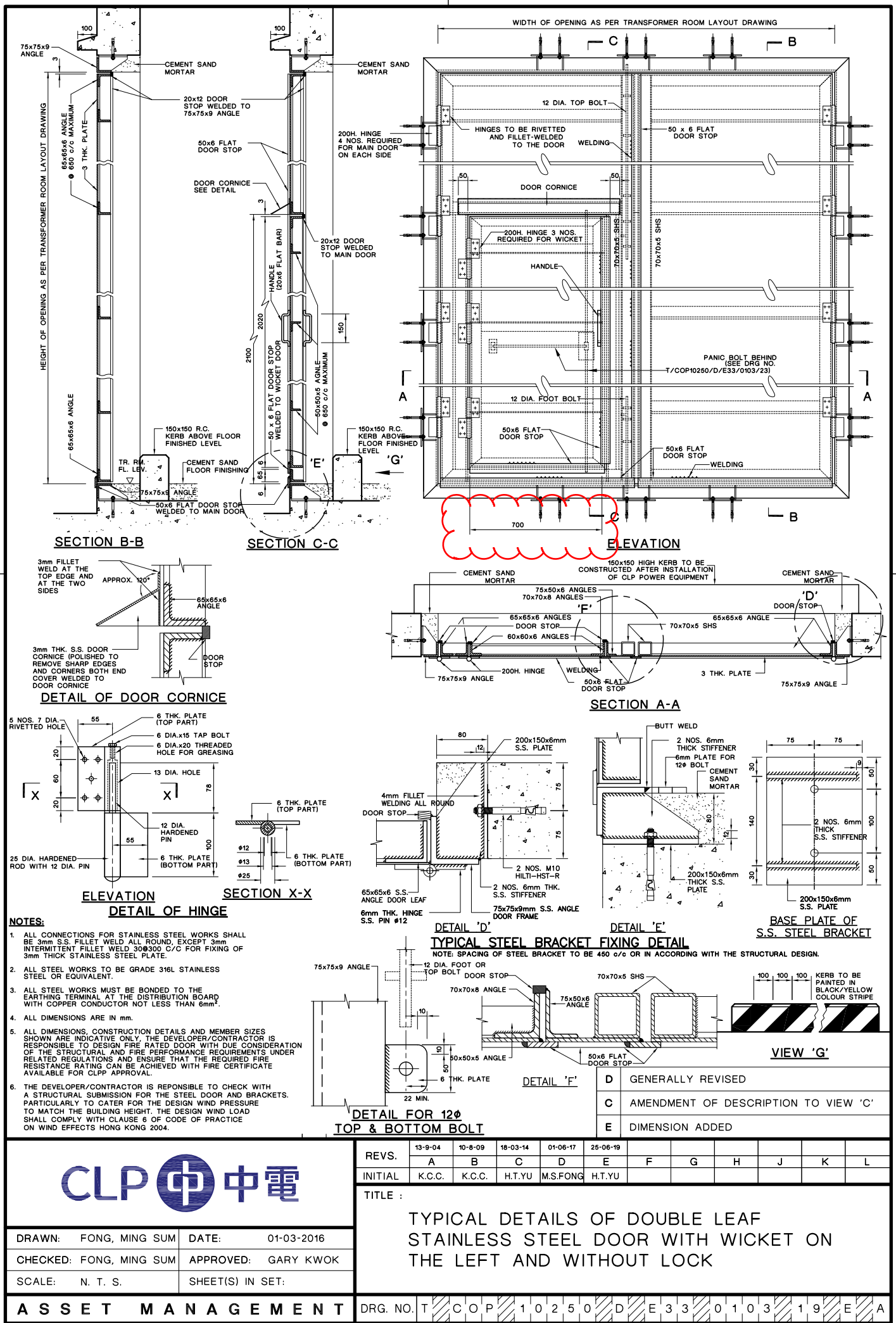
| REV.    | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

**TITLE :**

TYPICAL DETAILS OF DOUBLE LEAF STAINLESS STEEL DOOR WITH WICKET ON THE RIGHT AND WITHOUT LOCK

**REVISIONS:**

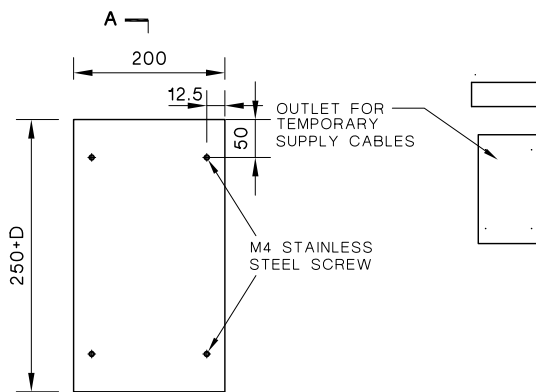
| REV. | 13-9-04 | 10-8-09 | 18-03-14 |
|------|---------|---------|----------|
|------|---------|---------|----------|



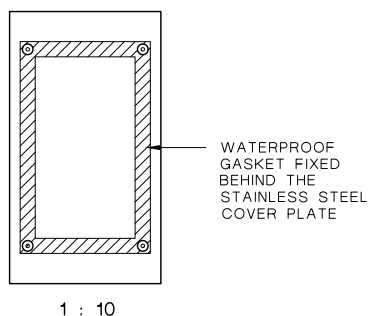
|                         |                     |
|-------------------------|---------------------|
| DRAWN: FONG, MING SUM   | DATE: 01-03-2016    |
| CHECKED: FONG, MING SUM | APPROVED: GARY KWOK |
| SCALE: N. T. S.         | SHEET(S) IN SET:    |

| REVS.   | 13-9-04 | 10-8-09 | 18-03-14 | 01-06-17 | 25-08-19 |   |   |   |   |   |   |
|---------|---------|---------|----------|----------|----------|---|---|---|---|---|---|
| INITIAL | A       | B       | C        | D        | E        | F | G | H | J | K | L |
|         | K.C.C.  | K.C.C.  | H.T.YU   | M.S.FONG | H.T.YU   |   |   |   |   |   |   |

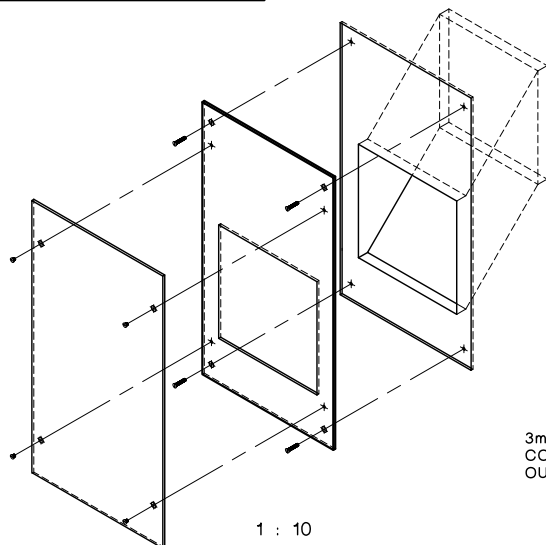
TITLE :  
TYPICAL DETAILS OF DOUBLE LEAF  
STAINLESS STEEL DOOR WITH WICKET ON  
THE LEFT AND WITHOUT LOCK



1 : 10  
**FRONT VIEW OF  
STAINLESS STEEL COVER**



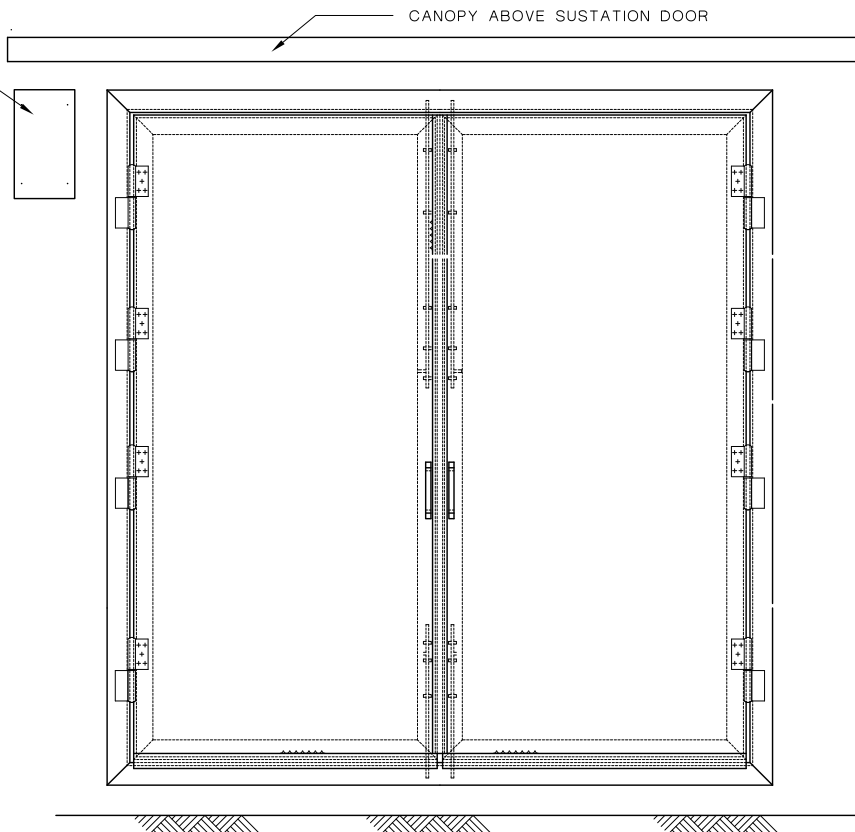
**BACK VIEW OF  
STAINLESS STEEL COVER**



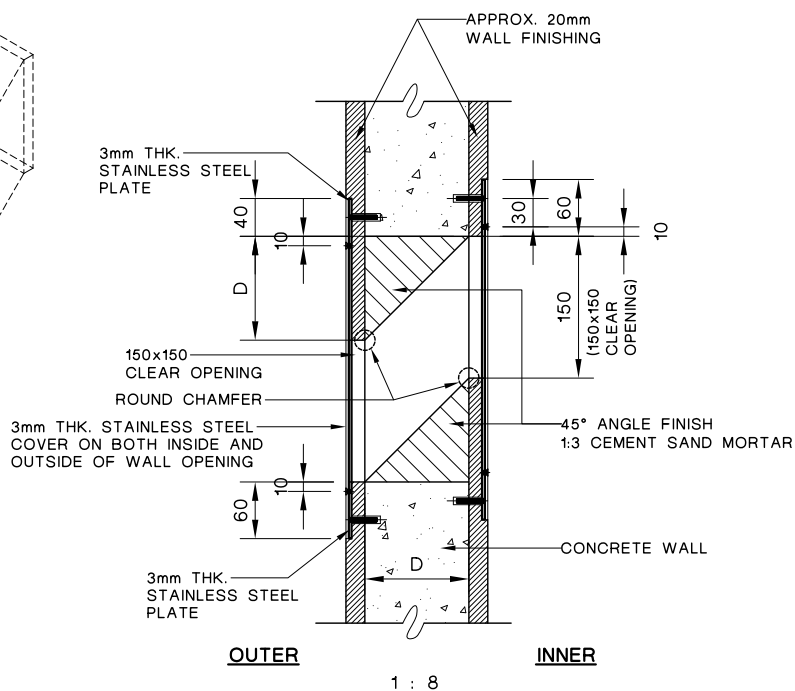
**ISOMATIC VIEW FOR OUTLET FIXING**

**NOTES:**

- HAIRLINE STAINLESS STEEL SHALL BE USED FOR THE COVER AND FRAME, IN CASE THE OUTLET IS LOCATED INSIDE THE INDEPENDENT STAIRCASE, FIRE RATED PROMAT BOARD SHALL BE USED FOR THE COVER.
- STAINLESS STEEL FIXING SCREW SHALL BE USED
- ALL DIMENSIONS ARE IN mm



**ELEVATION**



**SECTION A - A**

|   |                                              |   |                 |
|---|----------------------------------------------|---|-----------------|
| B | OUTLET OF TEMPORARY SUPPLY CABLES<br>UPDATED | A | NOTES 1 UPDATED |
|---|----------------------------------------------|---|-----------------|



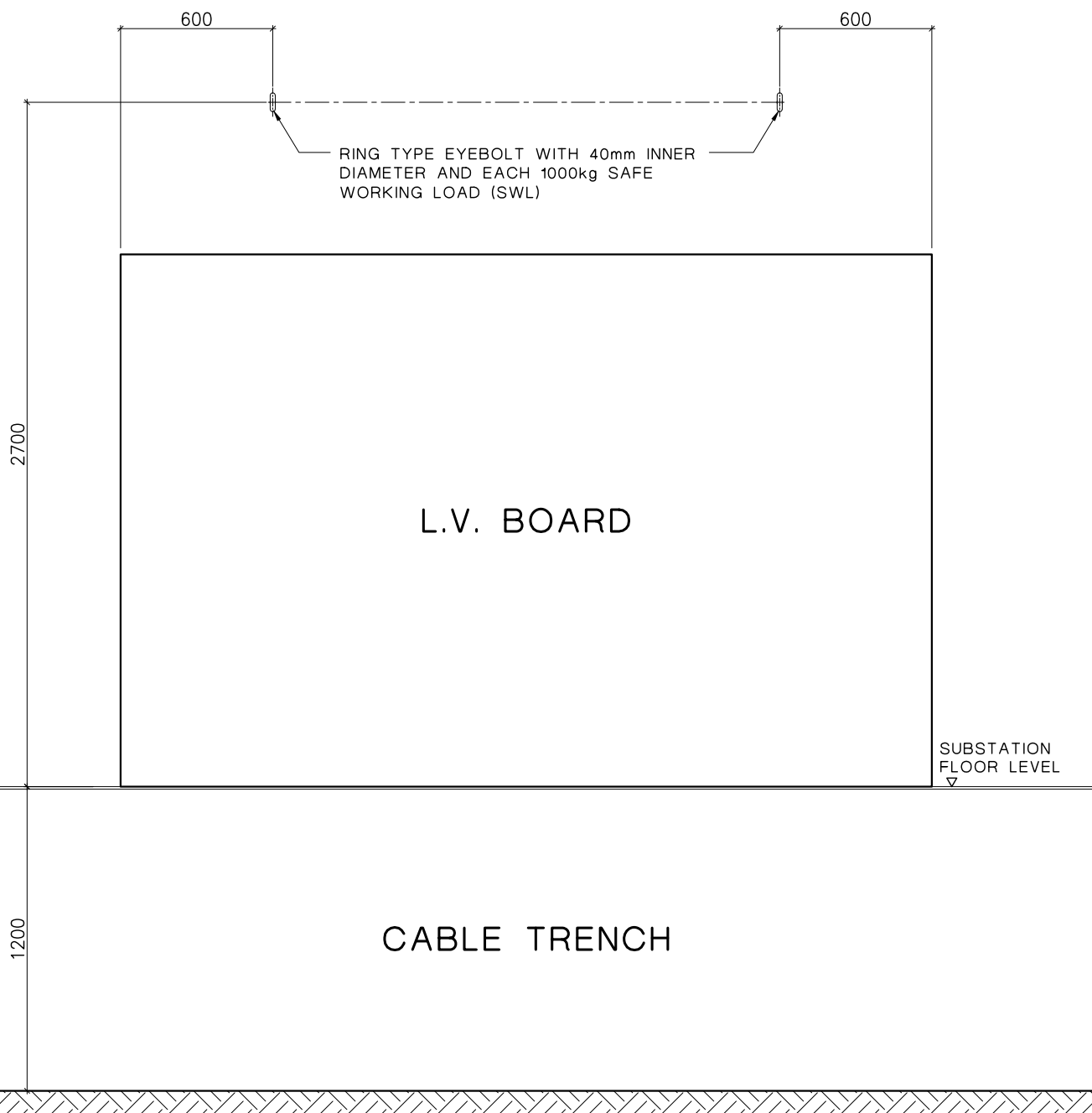
| REVS.   | 17.03.17 | 22.08.19 |   |   |   |   |   |   |   |   |   |  |  |
|---------|----------|----------|---|---|---|---|---|---|---|---|---|--|--|
| INITIAL | A        | B        | C | D | E | F | G | H | J | K | L |  |  |
|         | H.T.YU   | H.T.YU   |   |   |   |   |   |   |   |   |   |  |  |

TITLE :

**DETAILS OF OUTLET FOR TEMPORARY  
SUPPLY CABLES**

|          |             |                  |            |
|----------|-------------|------------------|------------|
| DRAWN:   | T. W. LAU   | DATE:            | 14-09-2007 |
| CHECKED: | K. C. CHENG | APPROVED:        | W. C. HO   |
| SCALE:   | N.T.S.      | SHEET(S) IN SET: |            |

|                  |          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASSET MANAGEMENT | DRG. NO. | T | C | O | P | 1 | 0 | 2 | 5 | 0 | D | E | 3 | 3 | 0 | 1 | 0 | 3 | 2 | 9 | B | A |
|------------------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|



**NOTES FOR EYEBOLT :-**

1. ALL STRUCTURAL STEEL SHALL BE WELDABLE STRUCTURAL STEEL OF GRADE S275 CLASS 1 IN ACCORDANCE WITH BS EN 10025:2004.
2. ALL STRUCTURAL STEEL WORK INCLUDING STEEL SHALL BE HOT DIP GALVANIZED TO 85µm IN ACCORDANCE WITH BS EN ISO 1461:2009.
3. ALL WELDINGS SHALL BE 6mm FILLET WELD CONTINUOUSLY, UNLESS OTHERWISE STATED.
4. ALL DIMENSIONS ARE IN mm.

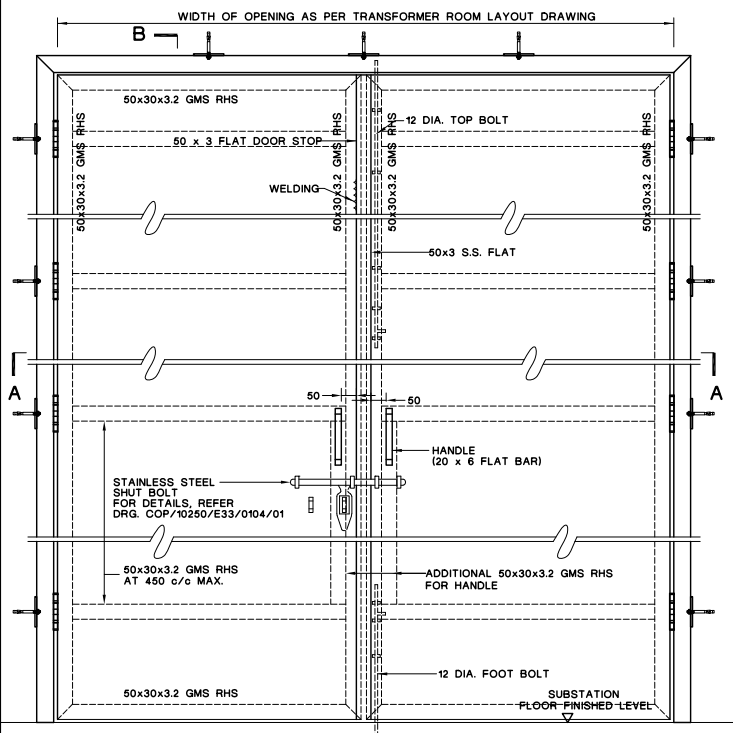


| REVS.   | A | B | C | D | E | F | G | H | J | K | L |
|---------|---|---|---|---|---|---|---|---|---|---|---|
| INITIAL |   |   |   |   |   |   |   |   |   |   |   |

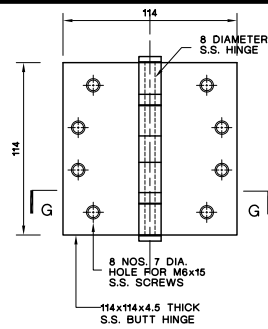
|                                                        |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| TITLE :                                                |  |  |  |  |  |  |  |  |  |  |  |
| TYPICAL DETAILS OF EYEBOLT INSTALLATION FOR L.V. BOARD |  |  |  |  |  |  |  |  |  |  |  |

|                    |                     |
|--------------------|---------------------|
| DRAWN: C. W. WONG  | DATE: 20 AUG., 2019 |
| CHECKED: EDMOND YU | APPROVED: W. C. HO  |
| SCALE: N. T. S.    | SHEET(S) IN SET: 1  |

|                  |  |  |  |            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|--|--|--|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASSET MANAGEMENT |  |  |  | DRG. NO. T | C | O | P | 1 | 0 | 2 | 5 | 0 | D | E | 3 | 3 | 0 | 1 | 0 | 3 | 4 | 0 | - | A |
|------------------|--|--|--|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

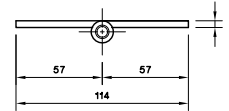


**ELEVATION**



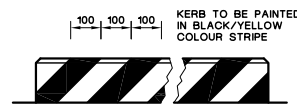
**DETAIL OF S.S. BUTT HINGE**

SCALE: 1 : 20

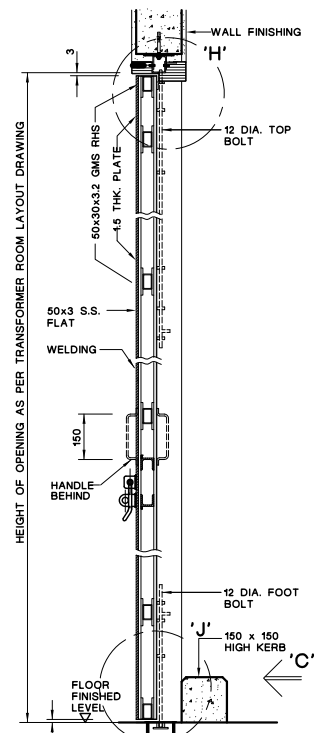


**SECTION G-G**

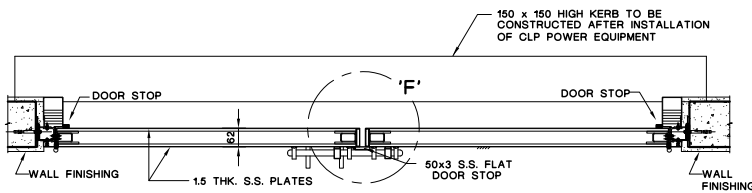
SCALE: 1 : 20



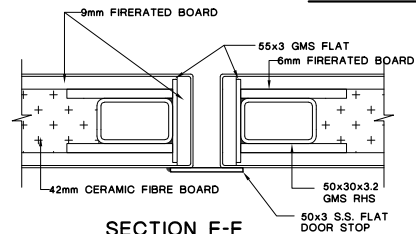
**VIEW C**



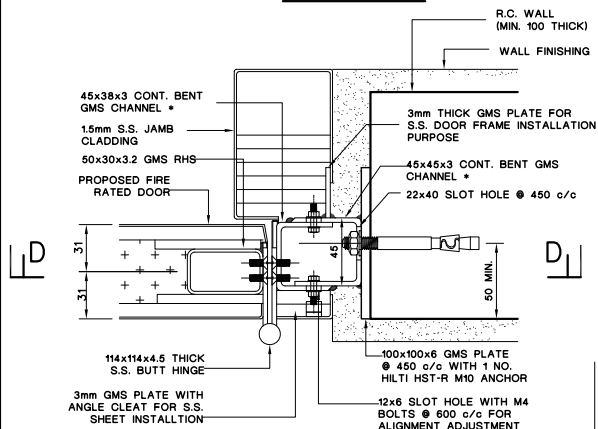
**SECTION B-B**



**SECTION A-A**



**SECTION F-F**

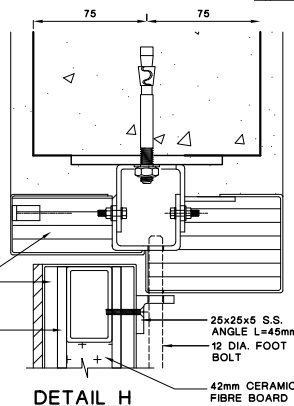


**DOOR JAMB/FRAME FIXING DETAIL**

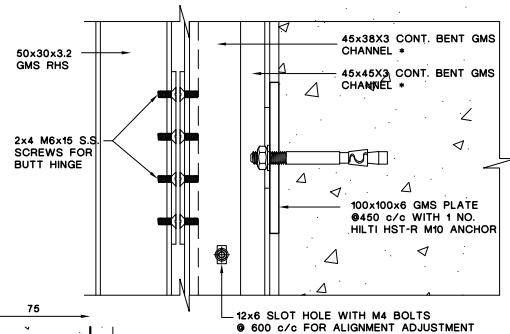
NOTES: 1. \* DENOTES SIZE OF STEEL CHANNEL TO SUIT THE EXACT DIMENSION OF S.S. BUTT HINGE SCREW POSITION.  
2. S.S. JAMB CLADDING SUPPORTING DETAIL SHALL BE DESIGNED BY THE CONTRACTOR.

**NOTES:**

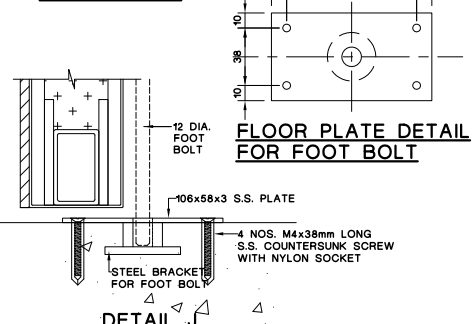
- ALL CONNECTIONS FOR STAINLESS AND GMS. STEEL WORKS SHALL BE 3mm S.S. FILLET WELD, OR 3mm FILLET WELDED FOR GMS. ALL ROUND.
- ALL STEEL WORKS TO BE GRADE 316L STAINLESS STEEL OR EQUIVALENT.
- ALL STEEL WORKS MUST BE BONDED TO THE EARTHING TERMINAL AT THE DISTRIBUTION BOARD WITH COPPER CONDUCTOR NOT LESS THAN 6mm<sup>2</sup>.
- ALL DIMENSIONS ARE IN mm.
- ALL DIMENSIONS, CONSTRUCTION DETAILS AND MEMBER SIZES SHOWN ARE INDICATIVE ONLY. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO DESIGN FIRE RATED DOOR WITH DUE CONSIDERATION OF THE STRUCTURAL AND FIRE PERFORMANCE REQUIREMENTS UNDER RELATED REGULATIONS AND ENSURE THAT THE REQUIRED FIRE RESISTANCE RATING CAN BE ACHIEVED WITH FIRE CERTIFICATE AVAILABLE FOR CLPP APPROVAL.



**DETAIL H**



**SECTION D-D**



**DETAIL J**



REVS.

INITIAL

TITLE :

FOR FIRE RATED DOOR WITH INSULATION  
TYPICAL DETAILS OF DOUBLE LEAF  
LAMINATED STEEL DOOR WITH SHUT BOLT

DRAWN: M. S. FONG

DATE: 01-03-2016

CHECKED: M. S. FONG

APPROVED: GARY KWOK

SCALE: N.T.S.

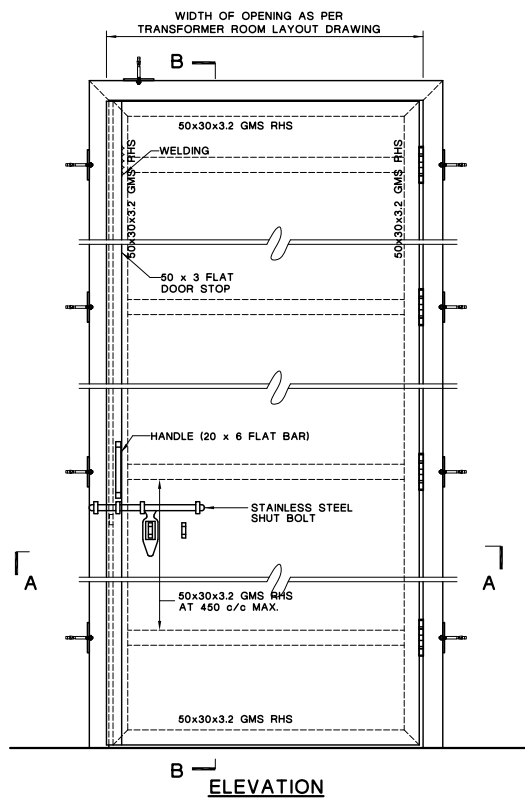
SHEET(S) IN SET:

ASSET MANAGEMENT

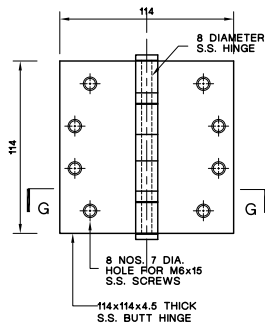
DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 0 3 4 1 - A

INFORMATION CLASS: PROPRIETARY

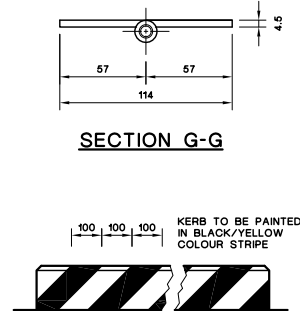
ALL RIGHTS RESERVED AND REPRODUCTION IN ANY FORM MUST BE APPROVED BY CLP POWER



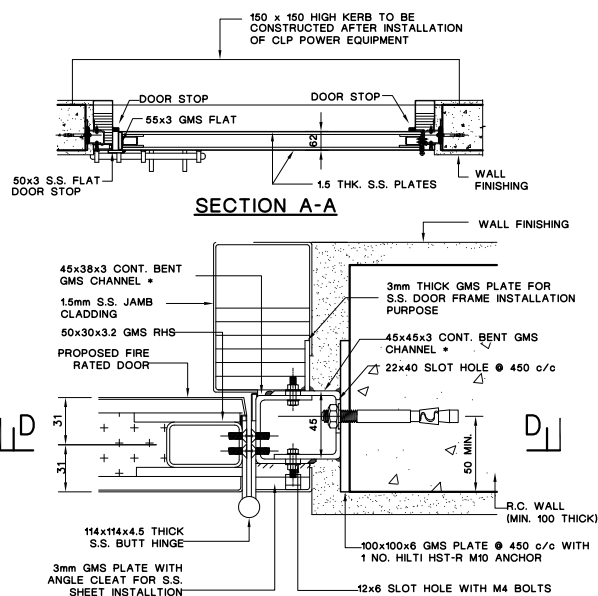
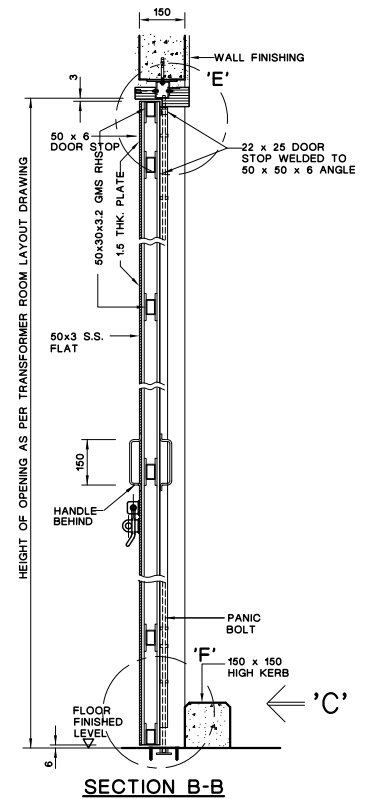
**DETAIL OF S.S. BUTT HINGE**



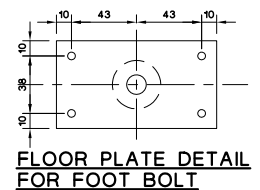
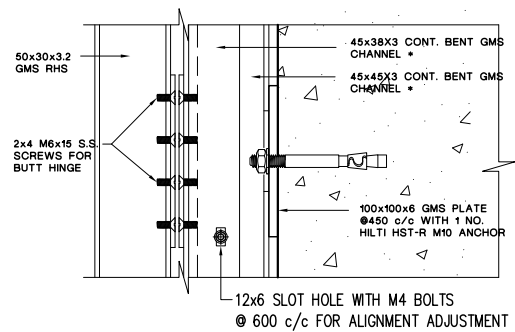
**SECTION G-G**



**VIEW C**



**SECTION D-D**

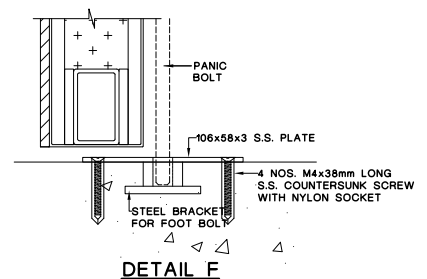
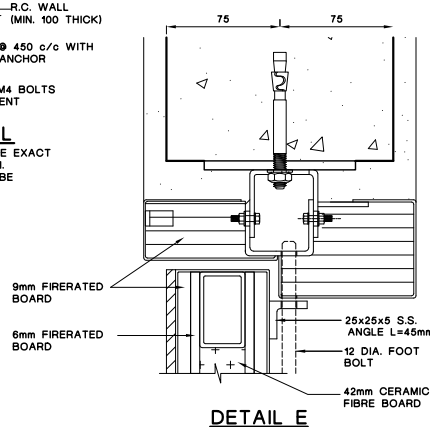


**DOOR JAMB/FRAME FIXING DETAIL**

- NOTES:
- \* DENOTES SIZE OF STEEL CHANNEL TO SUIT THE EXACT DIMENSION OF S.S. BUTT HINGE SCREW POSITION.
  - S.S. JAMB CLADDING SUPPORTING DETAIL SHALL BE DESIGNED BY THE CONTRACTOR.

**NOTES:**

- ALL CONNECTIONS FOR STAINLESS AND G.M.S. STEEL WORKS SHALL BE 3mm S.S. FILLET WELD, OR 3mm FILLET WELDED FOR G.M.S. ALL ROUND.
- ALL STEEL WORKS TO BE GRADE 316L STAINLESS STEEL OR EQUIVALENT.
- ALL STEEL WORKS MUST BE BONDED TO THE EARTHING TERMINAL AT THE DISTRIBUTION BOARD WITH COPPER CONDUCTOR NOT LESS THAN 6mm<sup>2</sup>.
- ALL DIMENSIONS ARE IN mm.
- ALL DIMENSIONS, CONSTRUCTION DETAILS AND MEMBER SIZES SHOWN ARE INDICATIVE ONLY. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO DESIGN FIRE RATED DOOR WITH DUE CONSIDERATION OF THE STRUCTURAL AND FIRE PERFORMANCE REQUIREMENTS UNDER RELATED REGULATIONS AND ENSURE THAT THE REQUIRED FIRE RESISTANCE RATING CAN BE ACHIEVED WITH FIRE CERTIFICATE AVAILABLE FOR CLPP APPROVAL.



| REVS.   | A | B | C | D | E | F | G | H | J | K | L |
|---------|---|---|---|---|---|---|---|---|---|---|---|
| INITIAL |   |   |   |   |   |   |   |   |   |   |   |

TITLE :

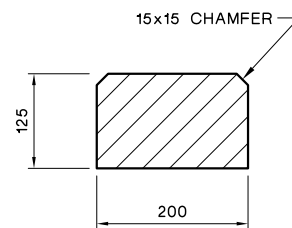
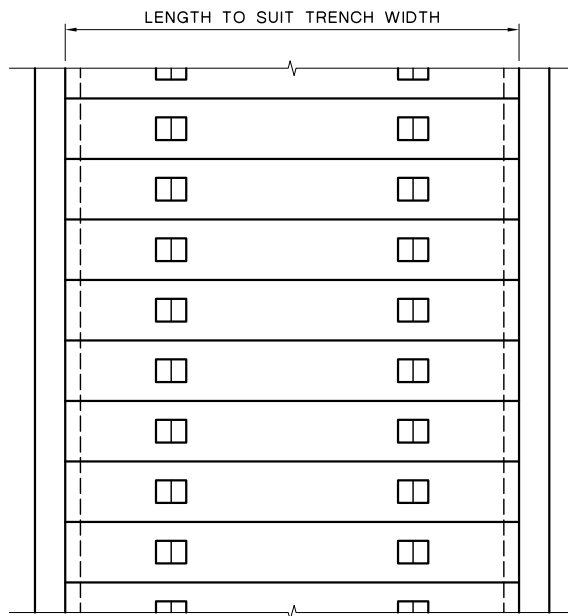
FOR FIRE RATED DOOR WITH INSULATION  
TYPICAL DETAILS OF SINGLE LEAF LAMINATED  
STEEL DOOR WITH SHUT BOLT

|                     |                  |
|---------------------|------------------|
| DRAWN: LAU, TZE WAH | DATE: 11-09-2019 |
| CHECKED: EDMOND YU  | APPROVED: W.C.HO |
| SCALE: AS SHOWN     | SHEET(S) IN SET: |

|                  |                                                    |
|------------------|----------------------------------------------------|
| ASSET MANAGEMENT | DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 0 3 4 2 - A |
|------------------|----------------------------------------------------|

INFORMATION CLASS: PROPRIETARY

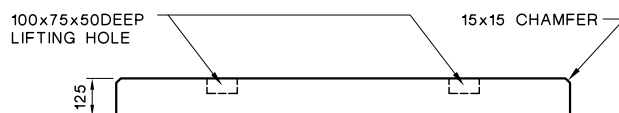
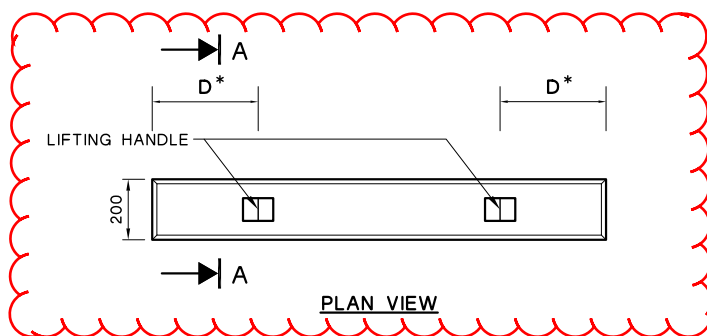
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**SECTION A-A**

SCALE 1:10

**TYPICAL ARRANGEMENT OF  
REINFORCED CONCRETE COVER**



**ELEVATION**

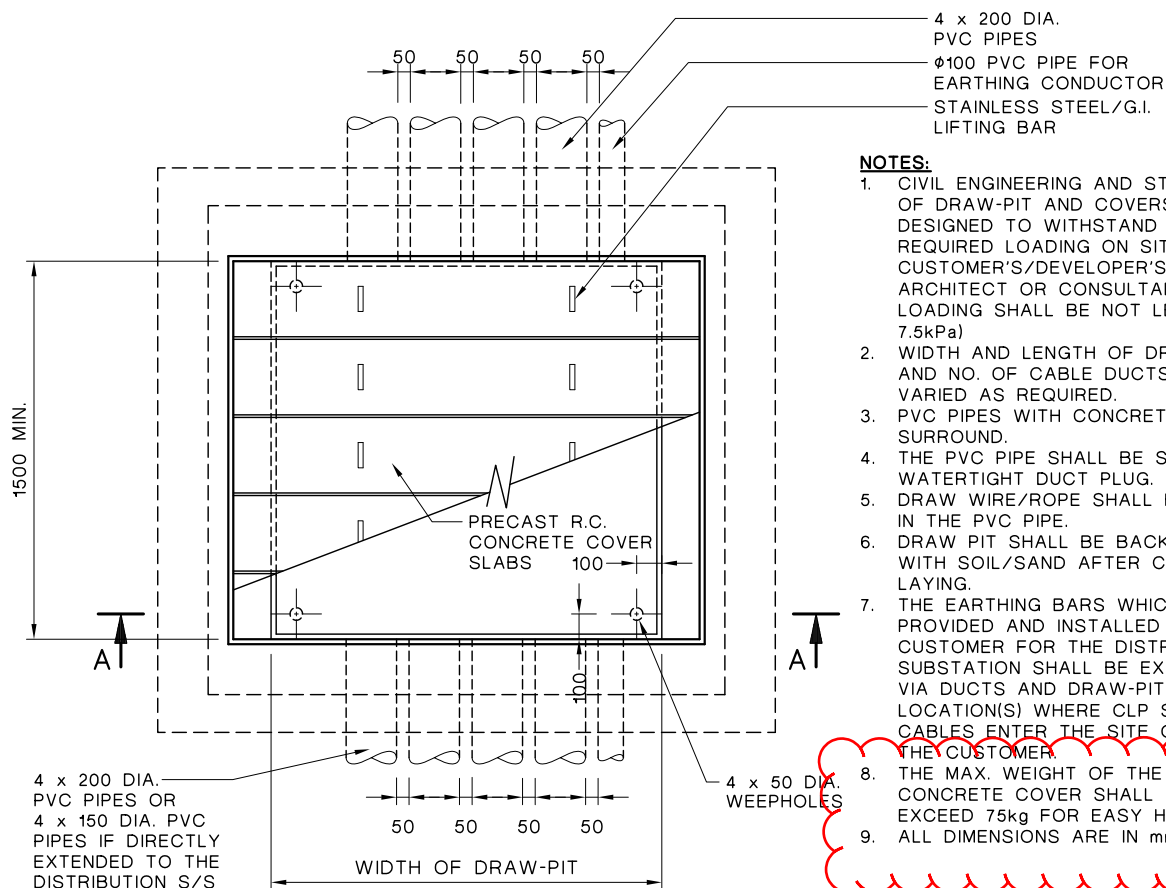
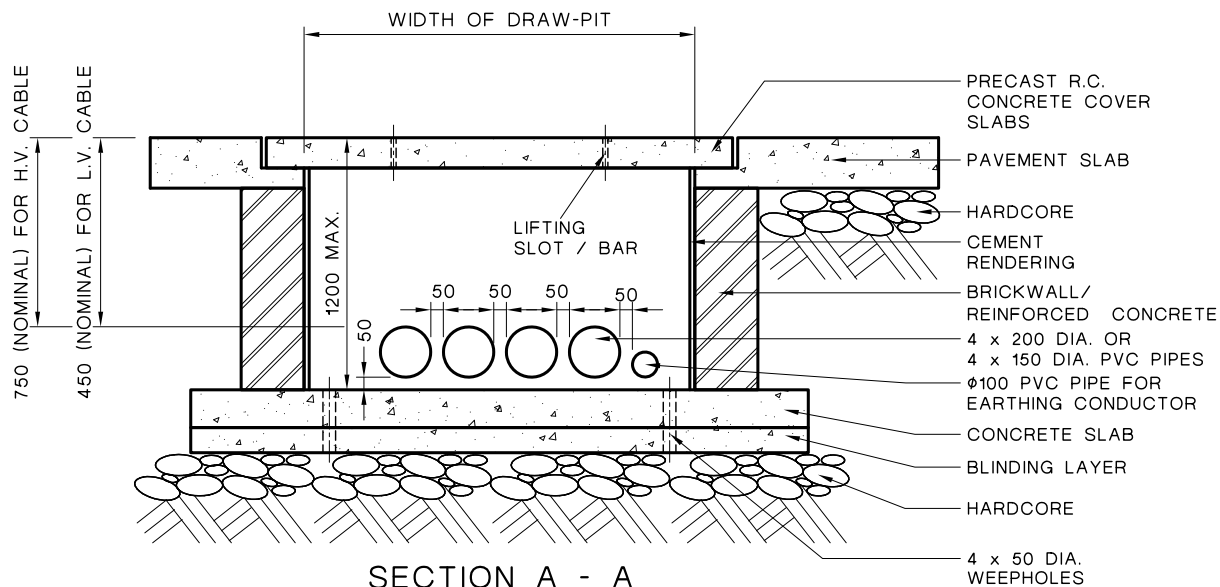
**TYPICAL DETAILS OF  
REINFORCED CONCRETE COVER**

**NOTES:**

1. THE MAX. WEIGHT OF THE CONCRETE COVER SHALL NOT EXCEED 75kg FOR EASY HANDLING.
2. THE COVERS SHALL BE DESIGNED BY THE BUILDING OWNER TO WITHSTAND THE REQUIRED LOADING OF THE SITE. (MIN. LOADING SHALL BE NOT LESS THAN 7.5kPa)
3. ALL DIMENSIONS ARE IN mm.

\* THE CLEARANCE OF DISTANCE 'D' SHOULD NOT BE MORE THAN 250.

| C                             |  |  | NOTE ADDED  |  |  | B                |  |  | GENERAL AMENDMENT              |          |          | A        |   |   | NOTES ADDED |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|--|--|-------------|--|--|------------------|--|--|--------------------------------|----------|----------|----------|---|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <div>CLP 中電</div>             |  |  |             |  |  |                  |  |  | REVS.                          | 20.08.07 | 23.02.17 | 25.06.19 |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                               |  |  |             |  |  |                  |  |  |                                | A        | B        | C        | D | E | F           | G | H | J | K | L |   |   |   |   |   |   |   |   |   |   |
|                               |  |  |             |  |  |                  |  |  | INITIAL                        | K.C.C.   | H.T.YU   | H.T.YU   |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                               |  |  |             |  |  |                  |  |  | TITLE :                        |          |          |          |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                               |  |  |             |  |  |                  |  |  | TYPICAL DETAILS OF R. C. COVER |          |          |          |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DRAWN:                        |  |  | T. Y. IP    |  |  | DATE:            |  |  | 8-8-2002                       |          |          |          |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| CHECKED:                      |  |  | K. C. CHENG |  |  | APPROVED:        |  |  | K. W. WONG                     |          |          |          |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SCALE:                        |  |  | 1 : 25 (mm) |  |  | SHEET(S) IN SET: |  |  |                                |          |          |          |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| A S S E T M A N A G E M E N T |  |  |             |  |  |                  |  |  | DRG. NO.                       | T        | C        | O        | P | 1 | 0           | 2 | 5 | 0 | D | E | 3 | 3 | 0 | 1 | 0 | 4 | 0 | 4 | C | A |



#### NOTES:

1. CIVIL ENGINEERING AND STRUCTURE OF DRAW-PIT AND COVERS TO BE DESIGNED TO WITHSTAND THE REQUIRED LOADING ON SITE BY CUSTOMER'S/DEVELOPER'S ARCHITECT OR CONSULTANT. (MIN. LOADING SHALL BE NOT LESS THAN 7.5kPa)
2. WIDTH AND LENGTH OF DRAW-PIT AND NO. OF CABLE DUCTS TO BE VARIED AS REQUIRED.
3. PVC PIPES WITH CONCRETE SURROUND.
4. THE PVC PIPE SHALL BE SEALED BY WATERTIGHT DUCT PLUG.
5. DRAW WIRE/ROPE SHALL BE LAID IN THE PVC PIPE.
6. DRAW PIT SHALL BE BACKFILLED WITH SOIL/SAND AFTER CABLE LAYING.
7. THE EARTHING BARS WHICH ARE PROVIDED AND INSTALLED BY THE CUSTOMER FOR THE DISTRIBUTION SUBSTATION SHALL BE EXTENDED VIA DUCTS AND DRAW-PITS TO THE LOCATION(S) WHERE CLP SUPPLY CABLES ENTER THE SITE OWNED BY THE CUSTOMER.
8. THE MAX. WEIGHT OF THE CONCRETE COVER SHALL NOT EXCEED 75kg FOR EASY HANDLING.
9. ALL DIMENSIONS ARE IN mm.

|   |                                           |
|---|-------------------------------------------|
| E | NOTES ADDED                               |
| D | PVC PIPE SIZE UPDATED, G.I. PIPE DELETED. |



| REVS.   | 20.08.07    | 21.10.08    | 26.03.12    | 18.03.14    | 20.09.19    |   |   |   |   |   |   |
|---------|-------------|-------------|-------------|-------------|-------------|---|---|---|---|---|---|
| INITIAL | A<br>K.C.C. | B<br>K.C.C. | C<br>K.C.C. | D<br>H.T.YU | E<br>H.T.YU | F | G | H | J | K | L |

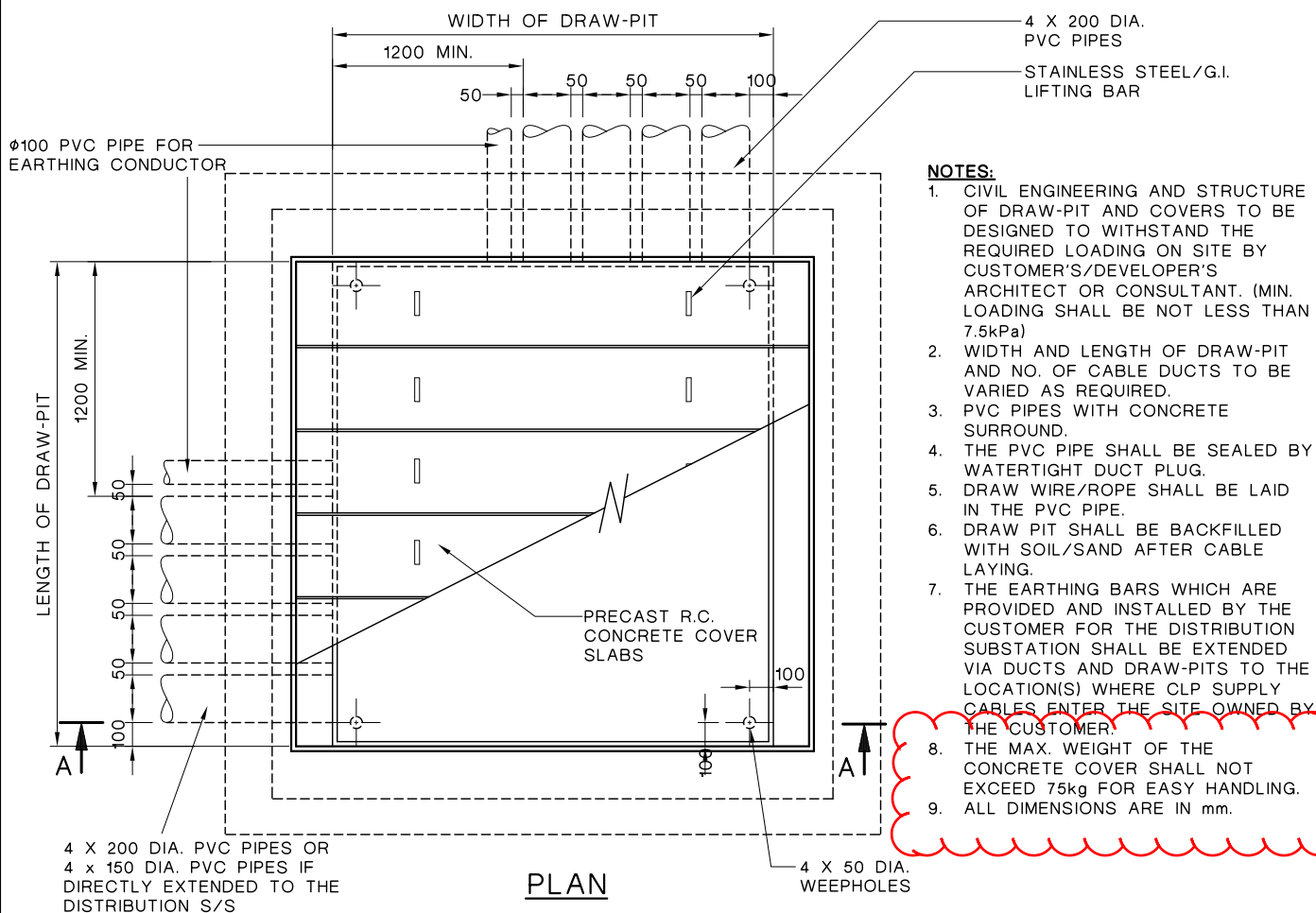
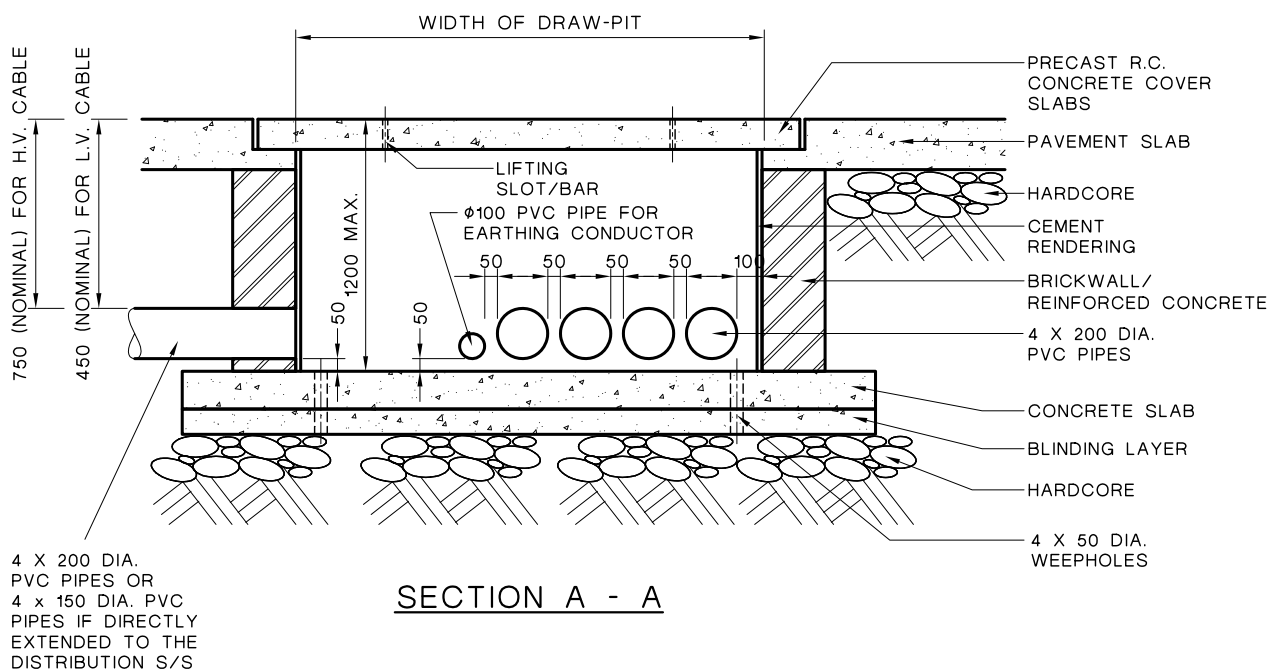
TITLE :

### TYPICAL DETAILS OF CABLE DRAW-PIT ( STRAIGHT APPLICATION )

|                      |                      |
|----------------------|----------------------|
| DRAWN: C. W. WONG    | DATE: 17 Sep., 2002  |
| CHECKED: K. C. CHENG | APPROVED: K. W. WONG |
| SCALE: N. T. S.      | SHEET(S) IN SET: 1   |

ASSET MANAGEMENT

DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 0 4 0 5 E A



#### NOTES:

1. CIVIL ENGINEERING AND STRUCTURE OF DRAW-PIT AND COVERS TO BE DESIGNED TO WITHSTAND THE REQUIRED LOADING ON SITE BY CUSTOMER'S/DEVELOPER'S ARCHITECT OR CONSULTANT. (MIN. LOADING SHALL BE NOT LESS THAN 7.5kPa)
2. WIDTH AND LENGTH OF DRAW-PIT AND NO. OF CABLE DUCTS TO BE VARIED AS REQUIRED.
3. PVC PIPES WITH CONCRETE SURROUND.
4. THE PVC PIPE SHALL BE SEALED BY WATERTIGHT DUCT PLUG.
5. DRAW WIRE/ROPE SHALL BE LAID IN THE PVC PIPE.
6. DRAW PIT SHALL BE BACKFILLED WITH SOIL/SAND AFTER CABLE LAYING.
7. THE EARTHING BARS WHICH ARE PROVIDED AND INSTALLED BY THE CUSTOMER FOR THE DISTRIBUTION SUBSTATION SHALL BE EXTENDED VIA DUCTS AND DRAW-PITS TO THE LOCATION(S) WHERE CLP SUPPLY CABLES ENTER THE SITE OWNED BY THE CUSTOMER.
8. THE MAX. WEIGHT OF THE CONCRETE COVER SHALL NOT EXCEED 75kg FOR EASY HANDLING.
9. ALL DIMENSIONS ARE IN mm.

E G.I. PIPE DELETED.

F NOTES ADDED



| REVS.   | 20.08.07    | 21.10.08    | 26.03.12    | 18.03.14    | 27.06.17    | 20.09.19    |   |   |   |   |   |  |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|---|---|---|---|---|--|
| INITIAL | A<br>K.C.C. | B<br>K.C.C. | C<br>K.C.C. | D<br>H.T.YU | E<br>H.T.YU | F<br>H.T.YU | G | H | J | K | L |  |

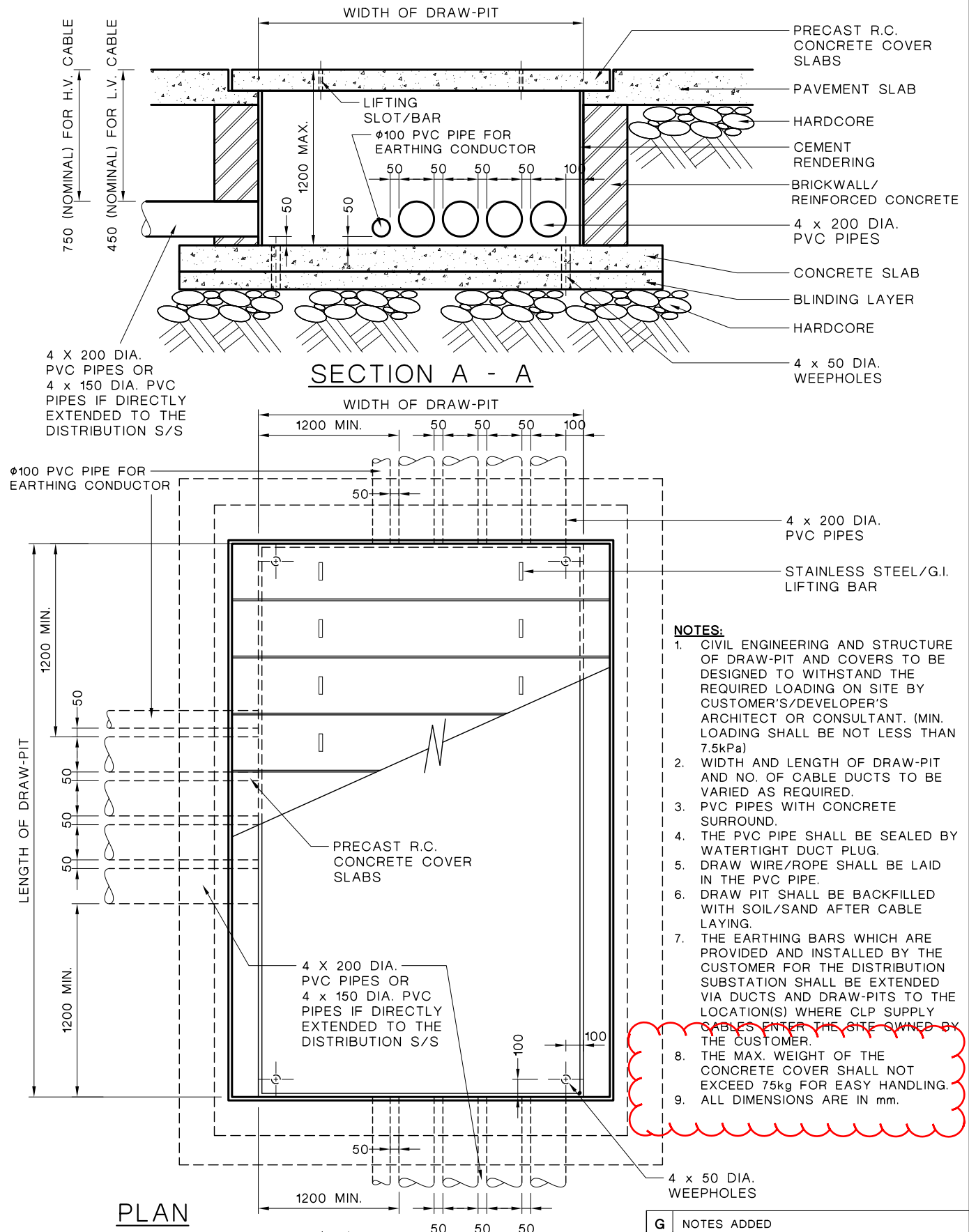
TITLE :

TYPICAL DETAILS OF CABLE DRAW-PIT  
(ANGLE APPLICATION)

DRAWN: C. W. WONG DATE: 16 Sep., 2002  
CHECKED: K. C. CHENG APPROVED: K. W. WONG  
SCALE: N. T. S. SHEET(S) IN SET:

ASSET MANAGEMENT

DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 0 4 0 6 F A



DRAWN: C. W. WONG DATE: 17 Sep., 2002  
 CHECKED: K. C. CHENG APPROVED: K. W. WONG  
 SCALE: N. T. S. SHEET(S) IN SET:

| REVS.   | 10.3.03     | 20.08.07    | 21.10.08    | 26.03.12    | 18.03.14    | 27.06.17    | 20.09.19    |   |   |   |   |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|---|---|---|
| INITIAL | A<br>K.C.C. | B<br>K.C.C. | C<br>K.C.C. | D<br>K.C.C. | E<br>H.T.YU | F<br>H.T.YU | G<br>H.T.YU | H | J | K | L |

TITLE :

TYPICAL DETAILS OF CABLE DRAW-PIT  
(TEE APPLICATION)

ASSET MANAGEMENT DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 0 4 0 7 G A

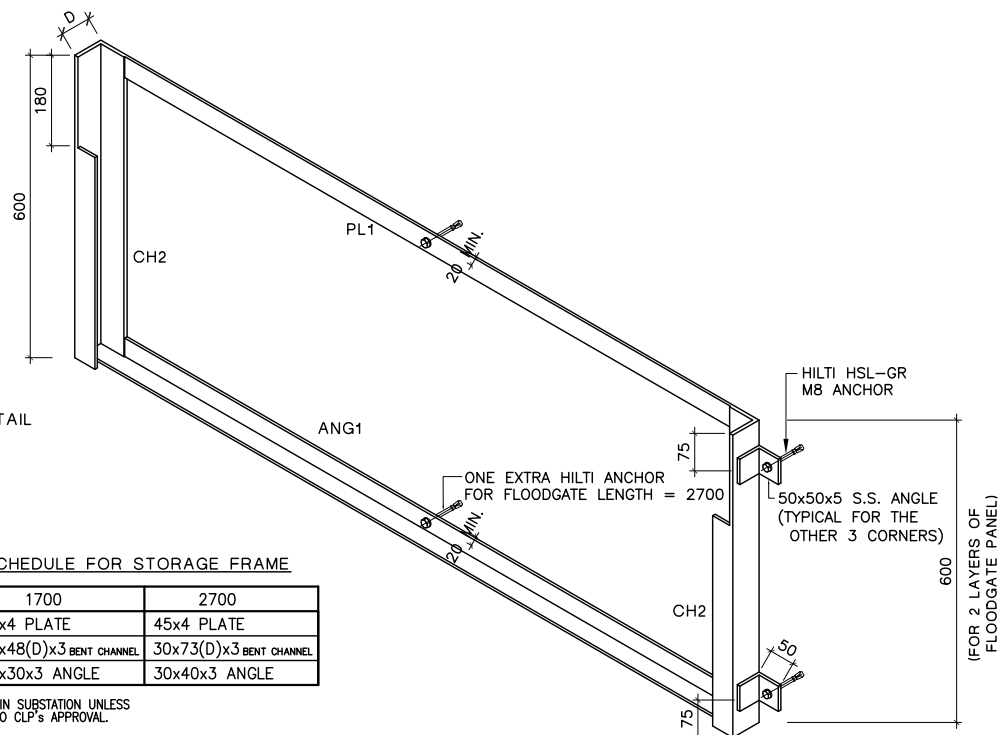
NOTE:

1. FOR GENERAL NOTES AND DETAIL OF S.S. FLOOD GATE, SEE DRAWING T-COP-10250-D-E33-0112-01.
2. D REFERS TO D OF CH2

STAINLESS STEEL MEMBER SIZE SCHEDULE FOR STORAGE FRAME

| MEMBER MARK | LENGTH (L) | 1200                    | 1700                    | 2700                    |
|-------------|------------|-------------------------|-------------------------|-------------------------|
| PL1         |            | 25x4 PLATE              | 30x4 PLATE              | 45x4 PLATE              |
| CH2         |            | 30x38(D)x3 BENT CHANNEL | 30x48(D)x3 BENT CHANNEL | 30x73(D)x3 BENT CHANNEL |
| ANG1        |            | 30x30x3 ANGLE           | 30x30x3 ANGLE           | 30x40x3 ANGLE           |

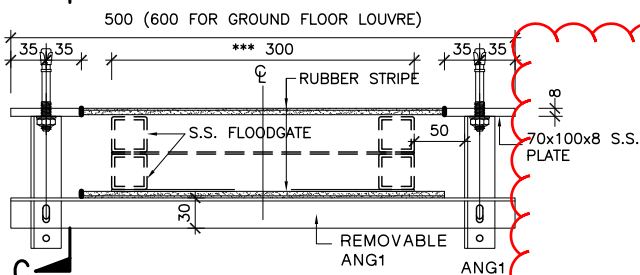
NOTE: \* OPTION 1 IS PREFERRED TO BE INSTALLED IN SUBSTATION UNLESS THERE IS SPACE LIMITATION AND SUBJECT TO CLP'S APPROVAL.



OPTION 1 \*

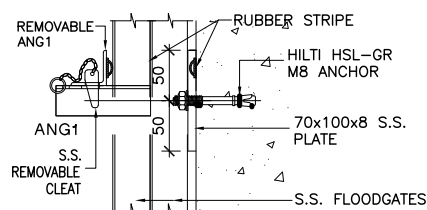
**ISOMETRIC VIEW OF STORAGE FRAME FOR S.S. FLOODGATE IN HORIZONTAL ARRANGEMENT**

C

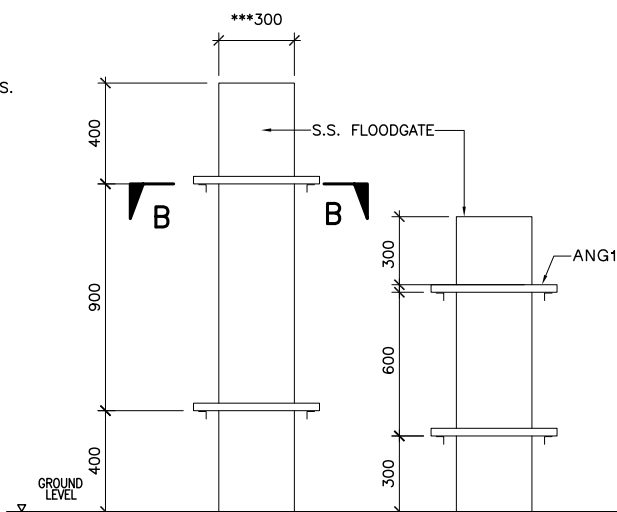


**SECTION B - B (FOR OPTION 2)**

NOTE: \*\*\* DENOTES 400 FOR S.S. FLOODGATE FOR GROUND FLOOR LOUVRE.



**SECTION C - C (FOR OPTION 2)**



**OPTION 2 \*\* FRONT VIEW FOR STORAGE FRAME FOR S.S. FLOODGATE IN VERTICAL ARRANGEMENT (FOR 1200 AND 1700 FLOODGATE ONLY)**

NOTE: \*\*\* DENOTES 400 FOR S.S. FLOODGATE FOR GROUND FLOOR LOUVRE.

A VERTICAL STORAGE FRAME ARRANGEMENT FOR 2700 LENGTH FLOODGATE IS DELETED.



|         |          |   |   |   |   |   |   |   |   |   |   |  |  |  |
|---------|----------|---|---|---|---|---|---|---|---|---|---|--|--|--|
| REVS.   | 25.06.19 |   |   |   |   |   |   |   |   |   |   |  |  |  |
| INITIAL | A        | B | C | D | E | F | G | H | J | K | L |  |  |  |

TITLE :

**STAINLESS STEEL FLOODGATE STORAGE FRAME INSTALLATION DETAILS**

|                   |                     |
|-------------------|---------------------|
| DRAWN: M S FONG   | DATE: 4 SEP., 2015  |
| CHECKED: M S FONG | APPROVED: GARY KWOK |
| SCALE: N. T. S.   | SHEET(S) IN SET: 3  |

ASSET MANAGEMENT

DRG. NO. T C O P 1 0 2 5 0 D E 3 3 0 1 1 2 0 3 A A