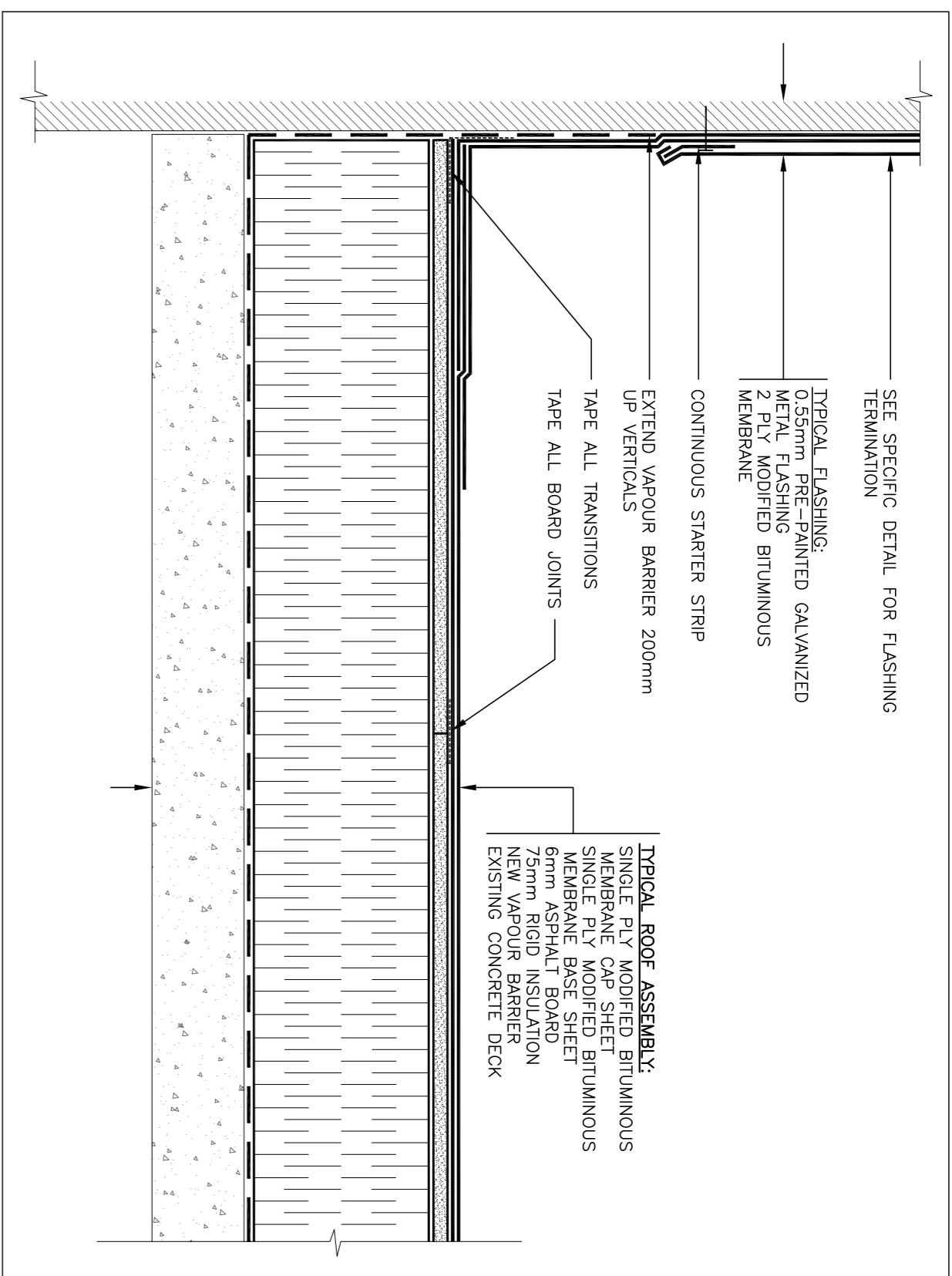
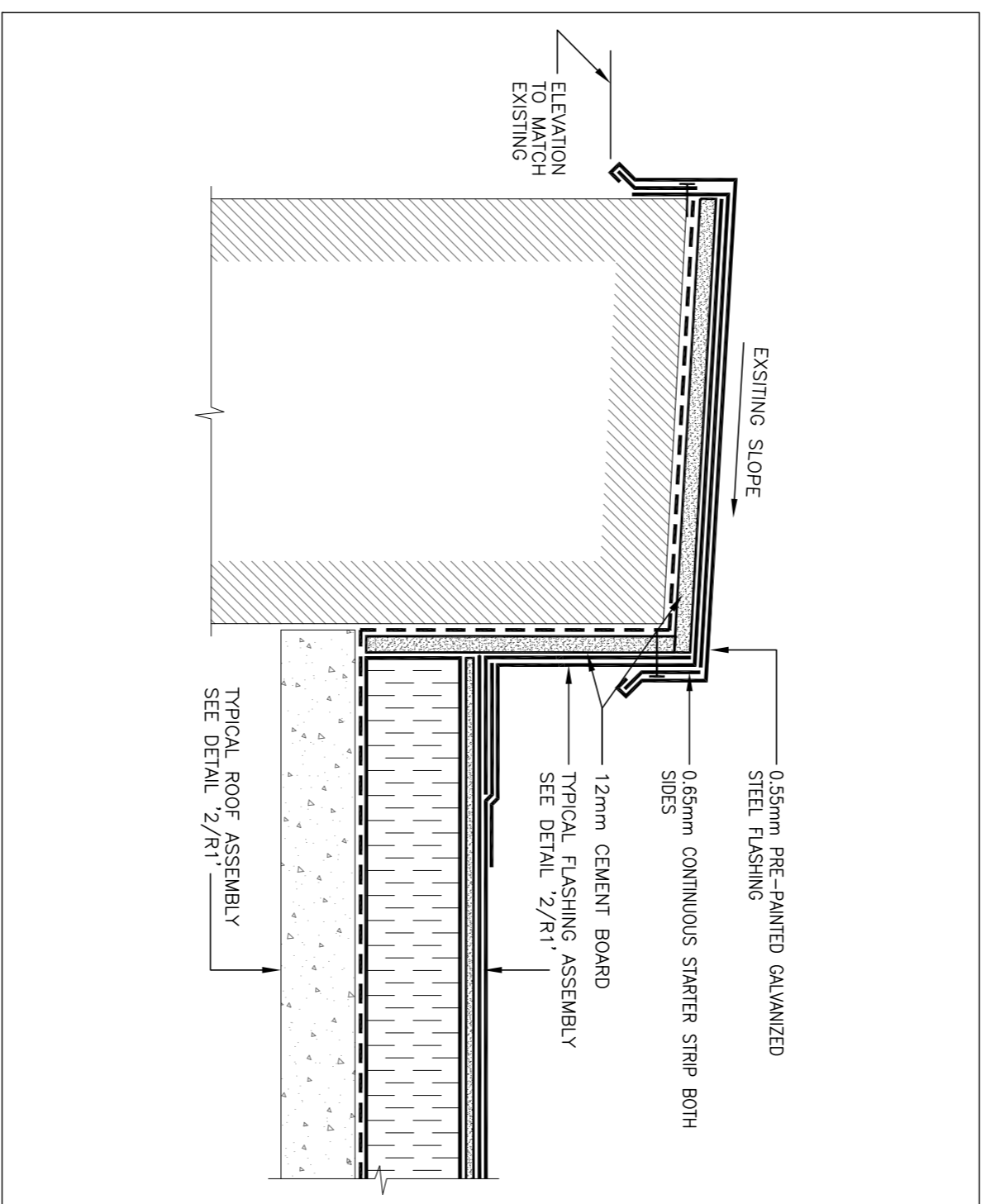


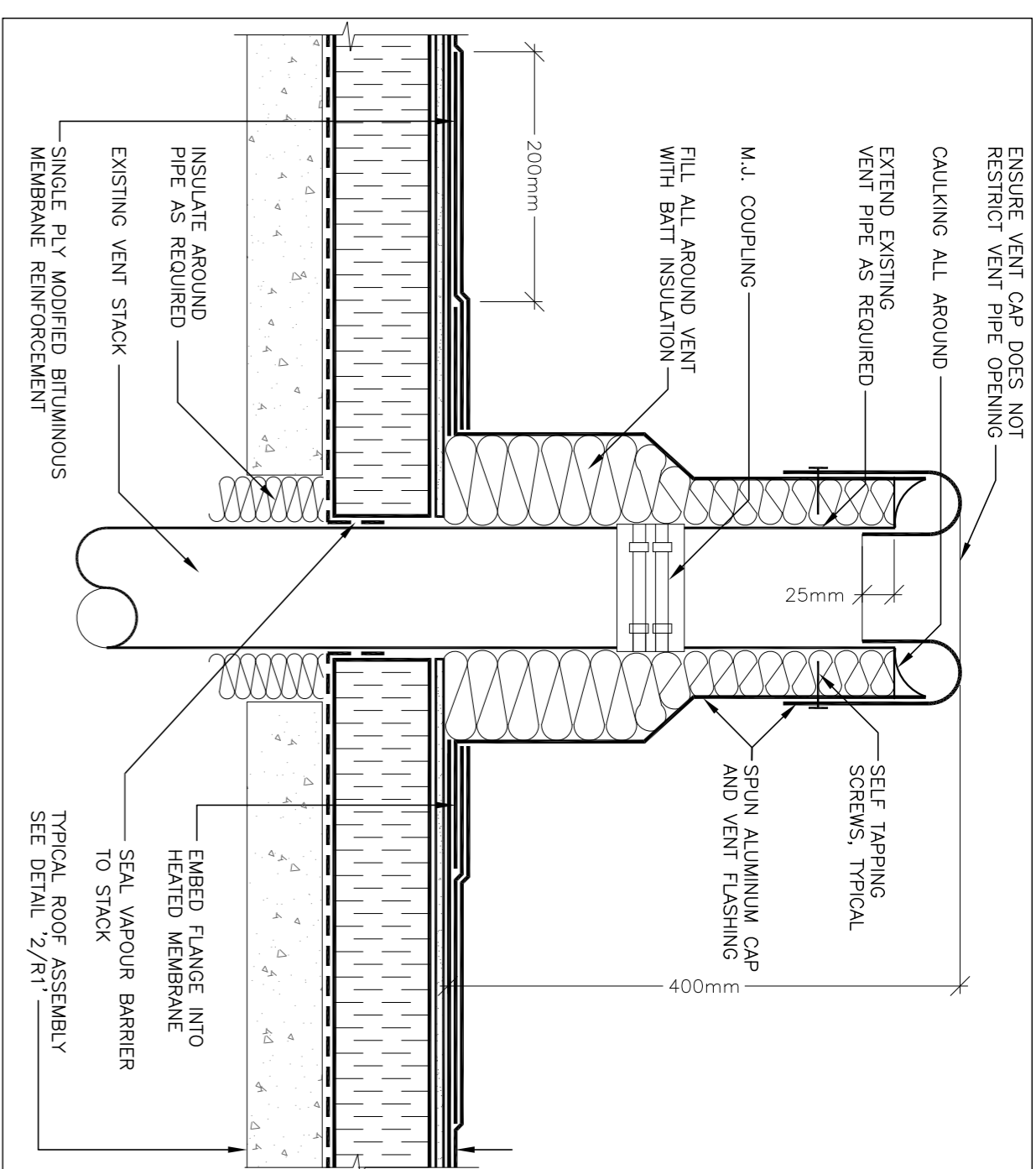
1 ROOF PLAN
SCALE 1 : 50



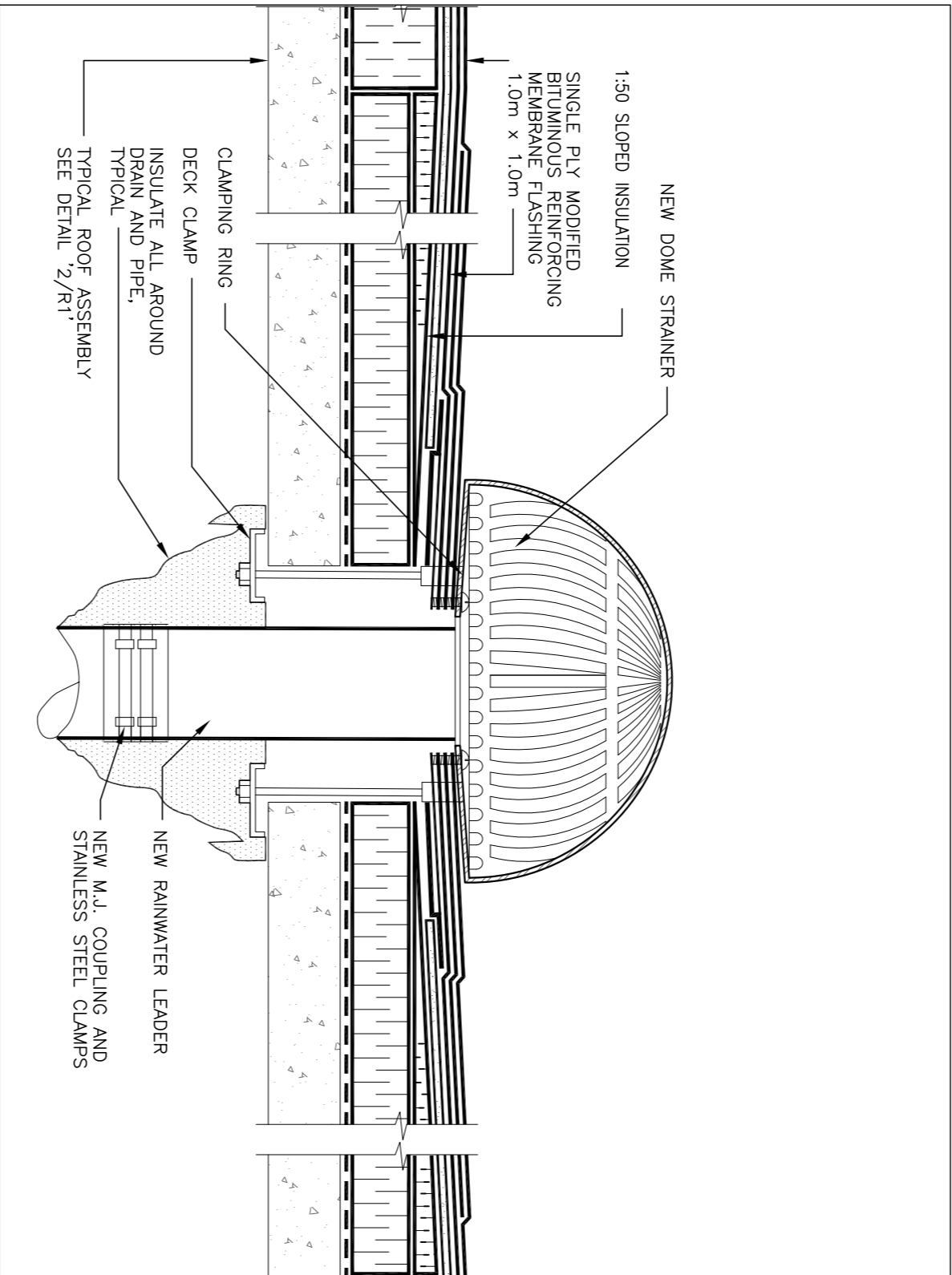
2 TYPICAL ROOF ASSEMBLY DETAIL
N.T.S.



4 TYPICAL PARAPET DETAIL
N.T.S.



3 TYPICAL SOIL VENT DETAIL
N.T.S.



5 TYPICAL DRAIN DETAIL
N.T.S.

M-1 ROOF PLAN AND DETAILS

| | | | | | |
|----------|----------|----------|------------|---------------|------------|
| designed | conçu | date | 2014/02/10 | date | 2014/02/10 |
| drawn | dessiné | scale | AS SHOWN | échelle | AS SHOWN |
| checked | vérifié | sheet | 1 of/4e | feuille | 4 |
| approved | approuvé | date no. | | no. de projet | |

**NATIONAL RESEARCH COUNCIL
CANADA**
BUILDING M-1 ROOF REPLACEMENT
1200 MONTREAL ROAD OTTAWA, ONTARIO

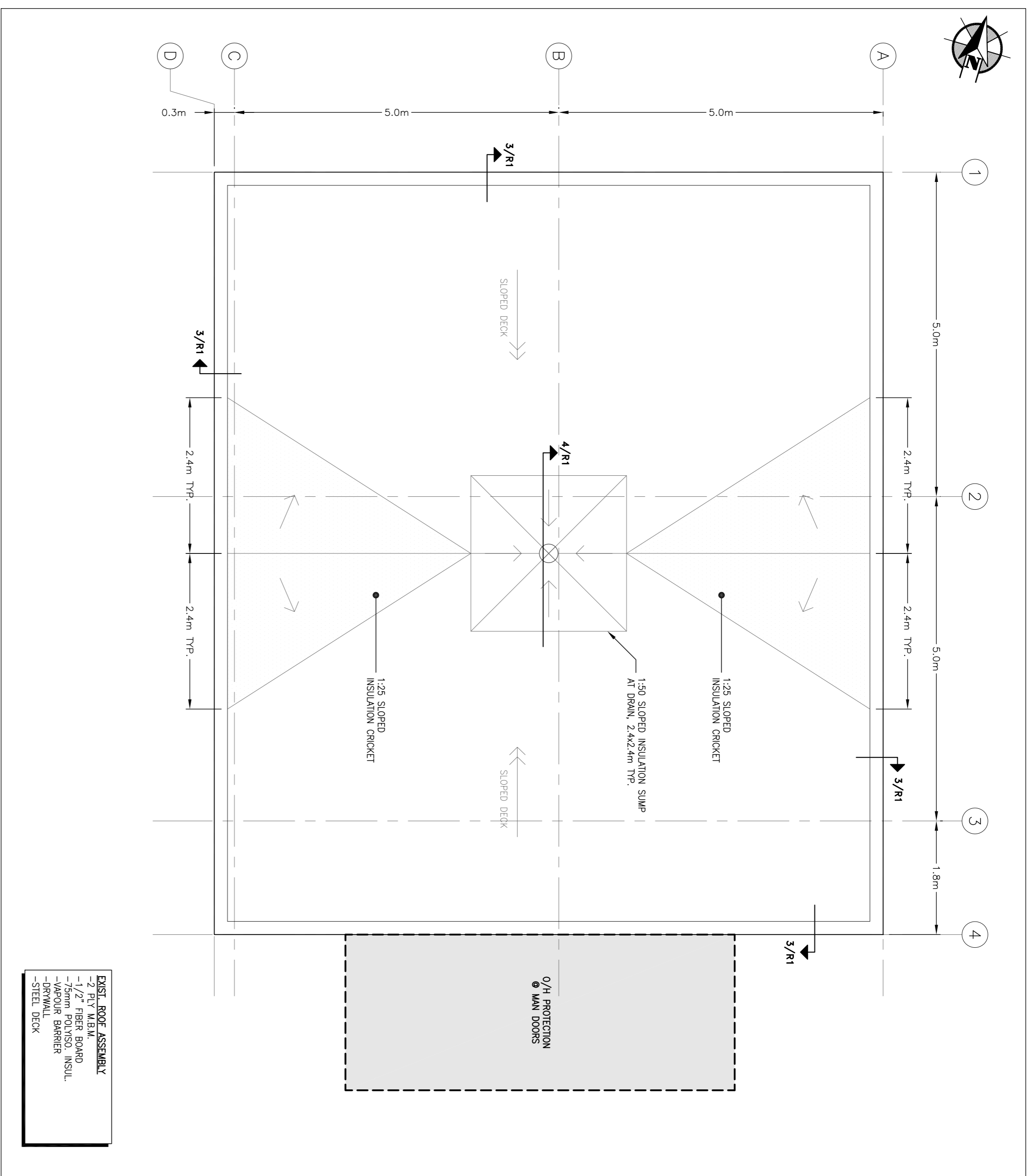
WSP
300-2611 QUEENSWAY DRIVE
OTTAWA, ONTARIO CANADA K2B 8K2
TEL: (613) 829-8299
FAX: (613) 829-8299

MRC-CNRC
National Research Council
Administrative Services
Division des services
administratifs / Management
Branch
de l'immobilier

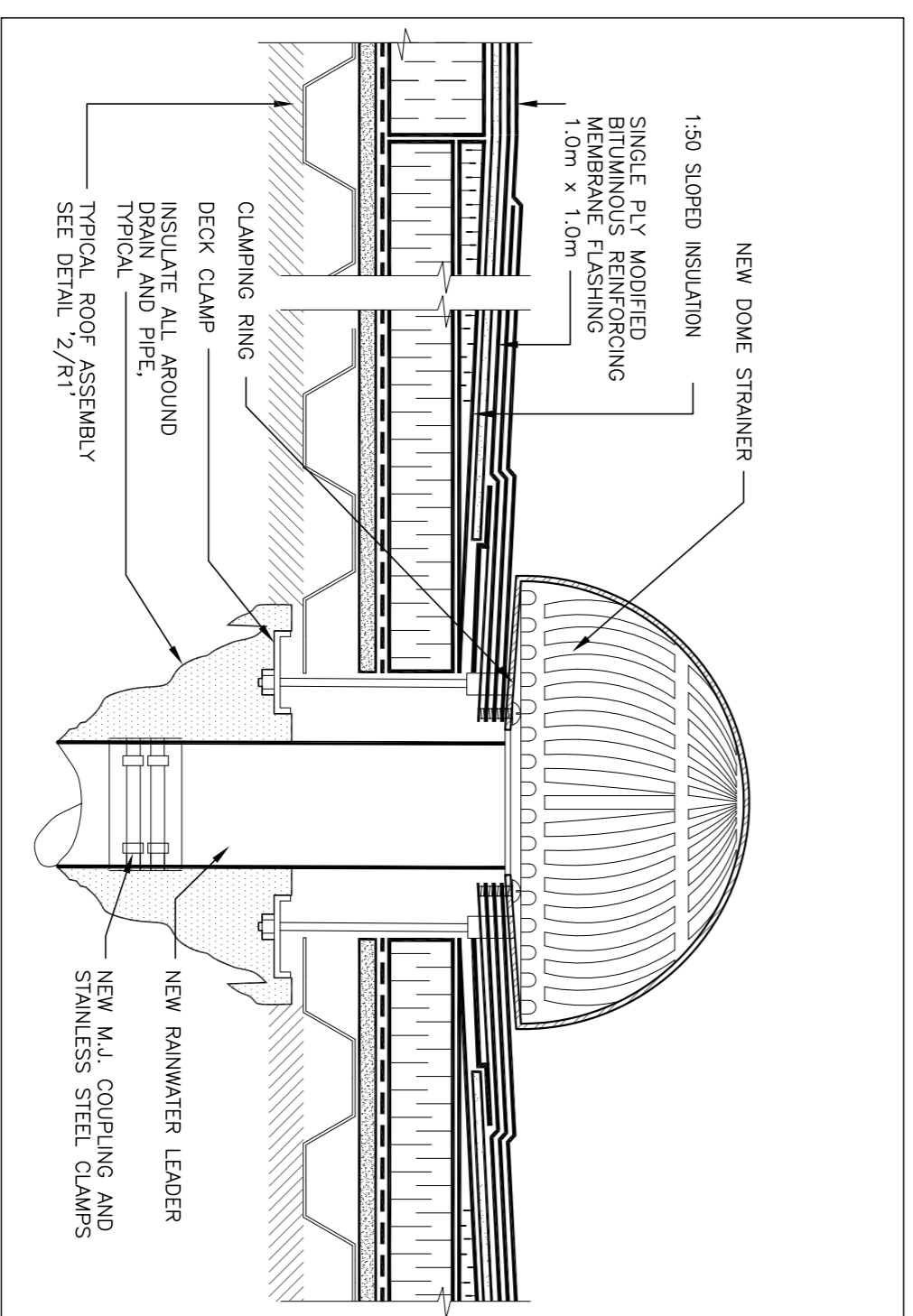
| | |
|------------|-----------|
| design no. | D-3940-R1 |
| dwg no. | D-3940-R1 |

| | | | |
|-------------------------|------|------|------------|
| Revised Per Addendum #1 | J.C. | Date | 2014/04/29 |
| Issued for Tender | J.C. | Date | 2014/03/17 |
| Issued for Review | J.C. | Date | 2014/03/03 |

| | | |
|---|-----------------------------|---|
| A | No. du détail | A |
| B | No. de la section de dessin | B |
| C | No. du dessin | C |

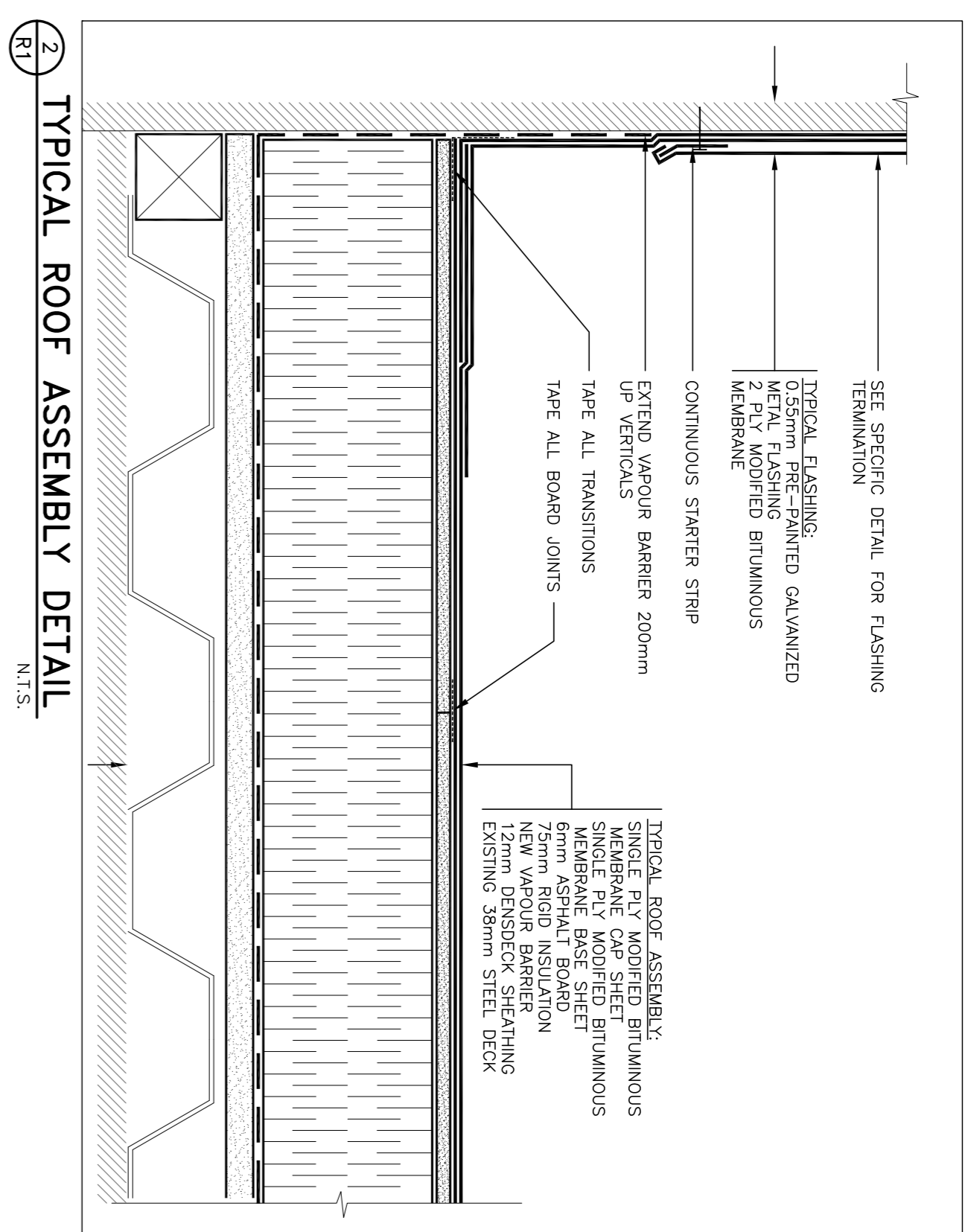


1 ROOF PLAN
SCALE 1 : 50

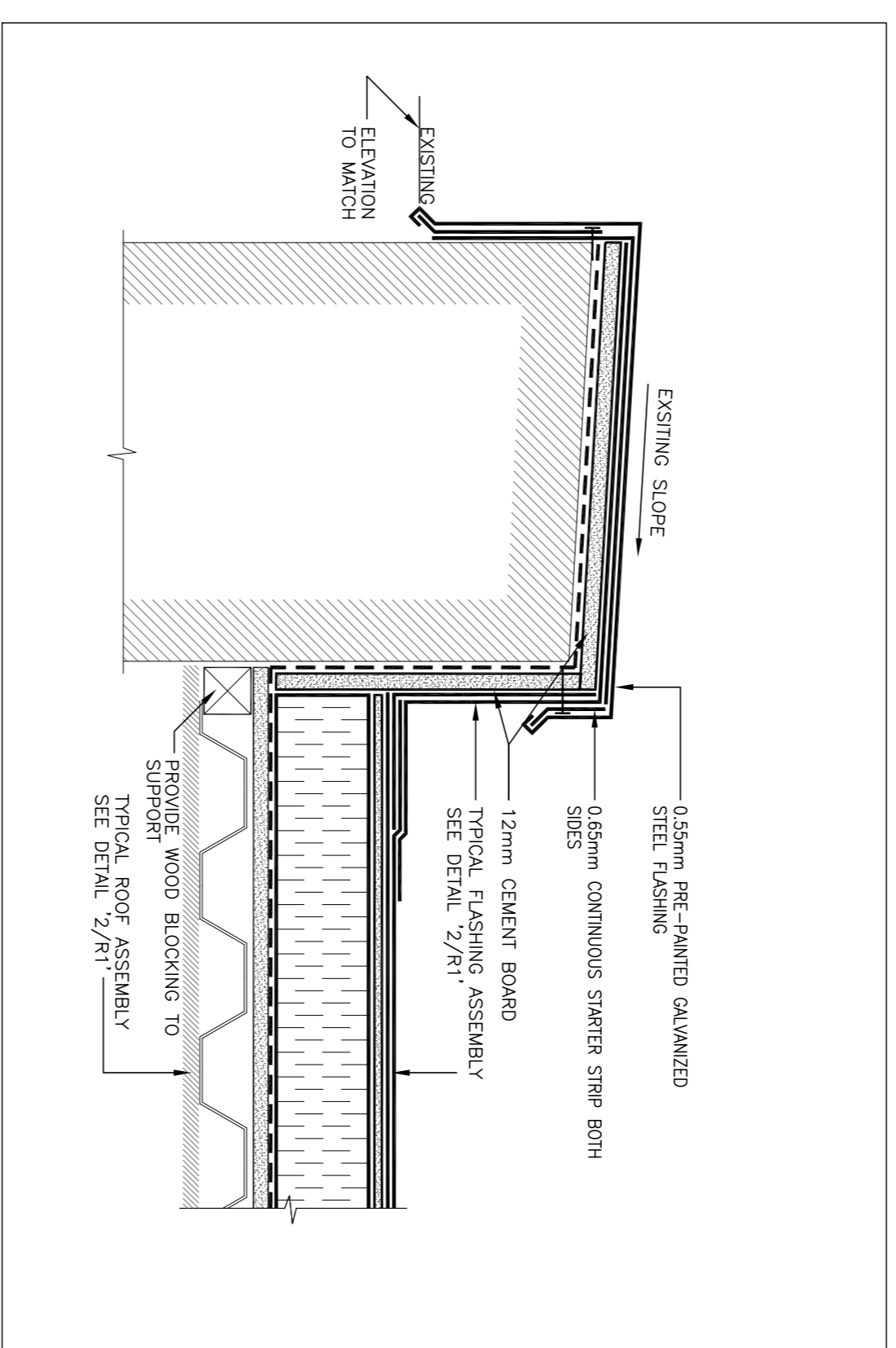


4 TYPICAL ROOF DRAIN DETAIL
N.T.S.

EXIST. ROOF ASSEMBLY
- 2 PLY M.B.M.
- 1/2" FIBER BOARD
- 125 SLOPED INSULATION
- VAPOR BARRIER
- BRICK WALL
- STEEL DECK



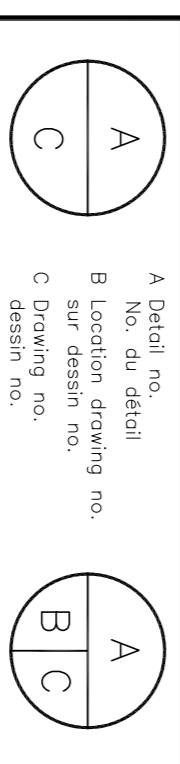
2 TYPICAL ROOF ASSEMBLY DETAIL
N.T.S.



3 TYPICAL PARAPET DETAIL
N.T.S.

| No. | Date | Revision | By | Date imprimée |
|-----|------------|-------------------------|------|---------------|
| R1 | 2014/04/29 | REVISED PER ADDENDUM #1 | J.C. | |
| 1 | 2014/03/17 | ISSUED FOR TENDER | J.C. | |
| A | 2014/03/03 | ISSUED FOR REVIEW | J.C. | |

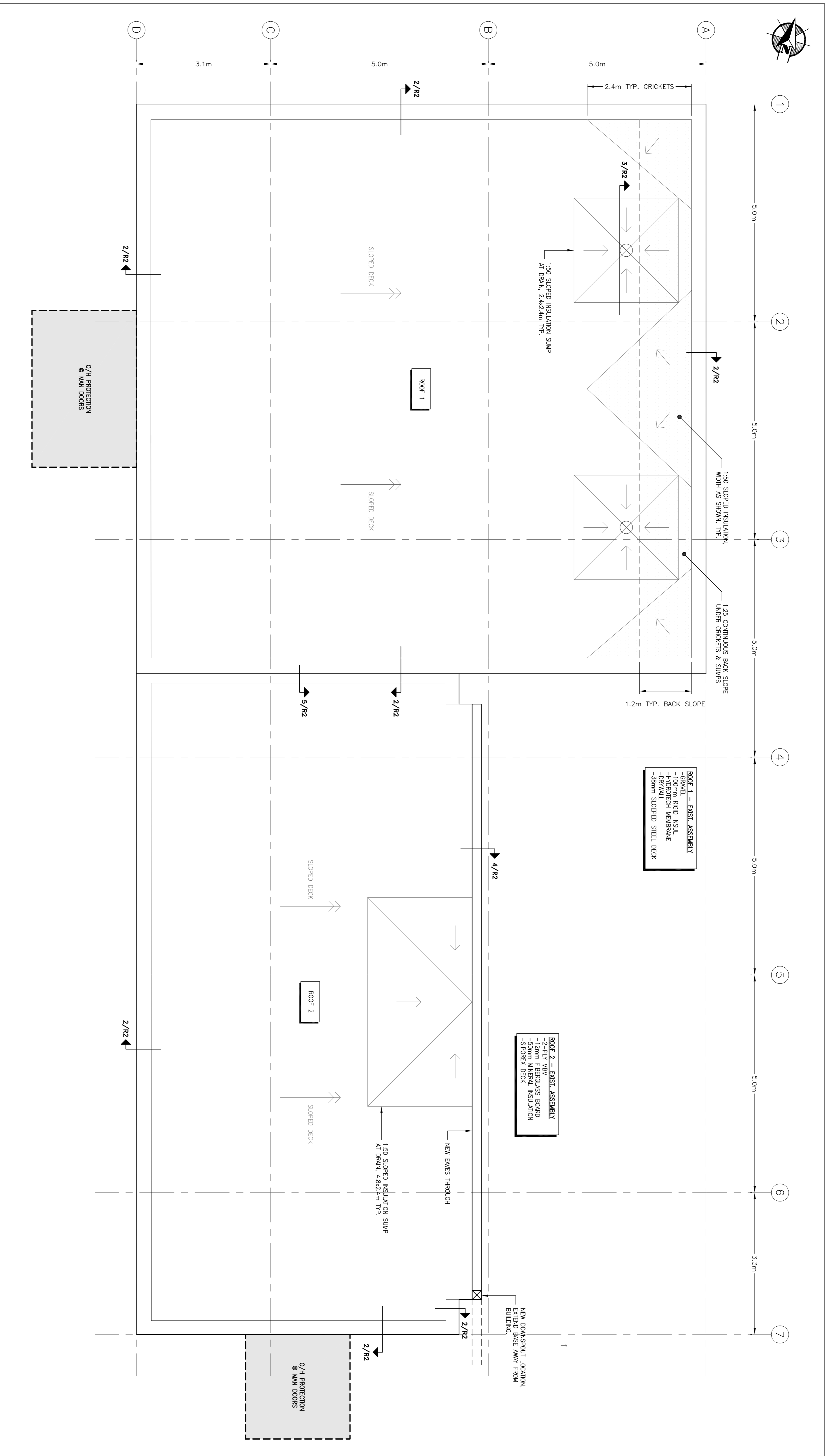
- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



NATIONAL RESEARCH COUNCIL OF CANADA
BUILDING M-2A ROOF REPLACEMENT
1200 MONTREAL ROAD, OTTAWA, ONTARIO

M-2A ROOF PLAN AND DETAILS

| designed | conçu | date | date |
|--------------|------------|------------|---------------|
| M. PAULIN | | 2014/02/10 | |
| drawn | dessiné | scale | échelle |
| J.C. / M.P. | | AS SHOWN | |
| checked | vérifié | sheet | feuille |
| J. CALLENDER | | 2 of/48 | 4 |
| approved | approuvé | job no. | no. de projet |
| | | | |
| dwg. no. | dessin no. | | |
| D-3940-R1 | | | |



ROOF PLAN
SCALE 1 : 50

GENERAL NOTES:

- THE EXISTING SUBSTRATE OF ROOF #2 IS COMPRISED OF SIPOREX PANELS. THE CONTRACTOR SHALL HOIST ONLY HALF OF THE EXISTING SUBSTRATE TO THE ROOF. THE CONTRACTOR SHALL NOT USE ANY MECHANICAL, VIBRATING DEVICE/EQUIPMENT TO REMOVE INSULATION AND MEMBRANES.

WSP
300-2611 QUEENSWAY DRIVE
OTTAWA, ONTARIO CANADA K2B 8K2
TEL: (613) 825-8290
FAX: (613) 825-8299

NRC-CNRC
National Research Council of Canada
Conseil national de recherches Canada
Administrative Services Division des services administratifs
Property Management Branch de l'immobilier

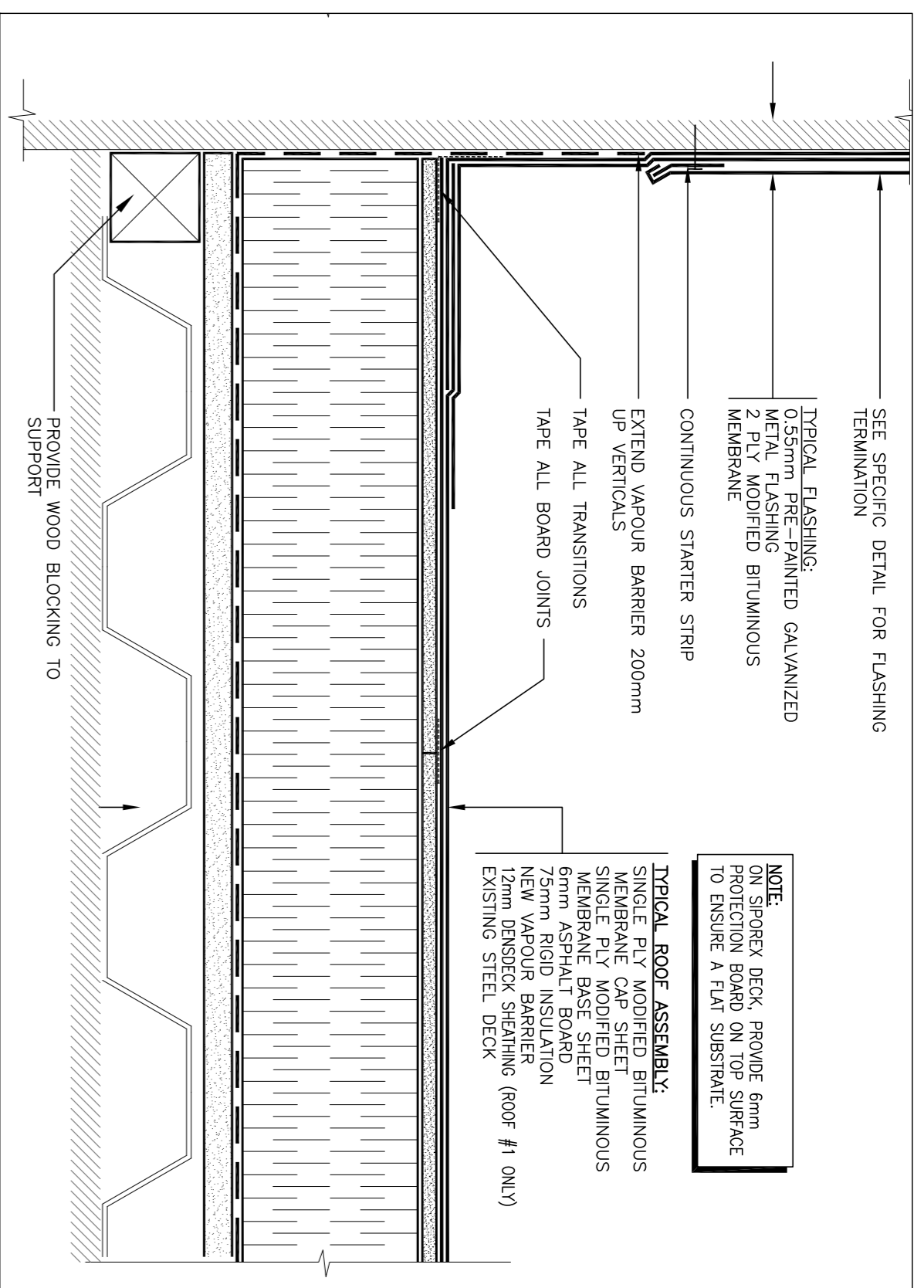
| No. | Date | Revision | By | For | Date imprinted |
|-----|------------|-------------------------|------|-----|----------------|
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| 1 | 2014/03/17 | ISSUED FOR TENDER | J.C. | | |
| A | 2014/03/03 | ISSUED FOR REVIEW | J.C. | | |

Verify all dimensions and site conditions and be responsible for same
Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

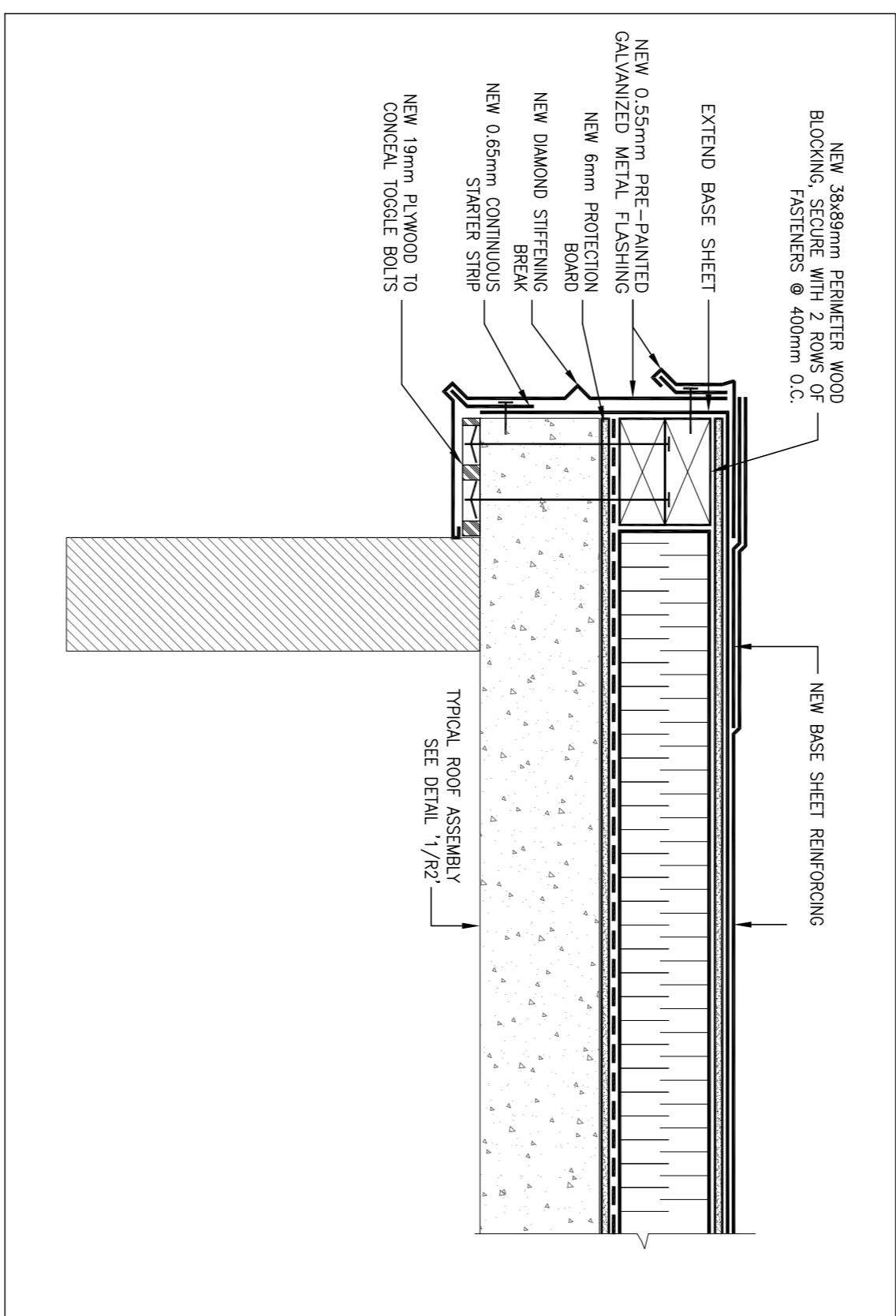
NATIONAL RESEARCH COUNCIL OF CANADA
CONSEIL NATIONAL DE RECHERCHES DU CANADA
BUILDING M-15 ROOF REPLACEMENT
1200 MONTREAL ROAD, OTTAWA, ONTARIO

M-15 ROOF PLAN

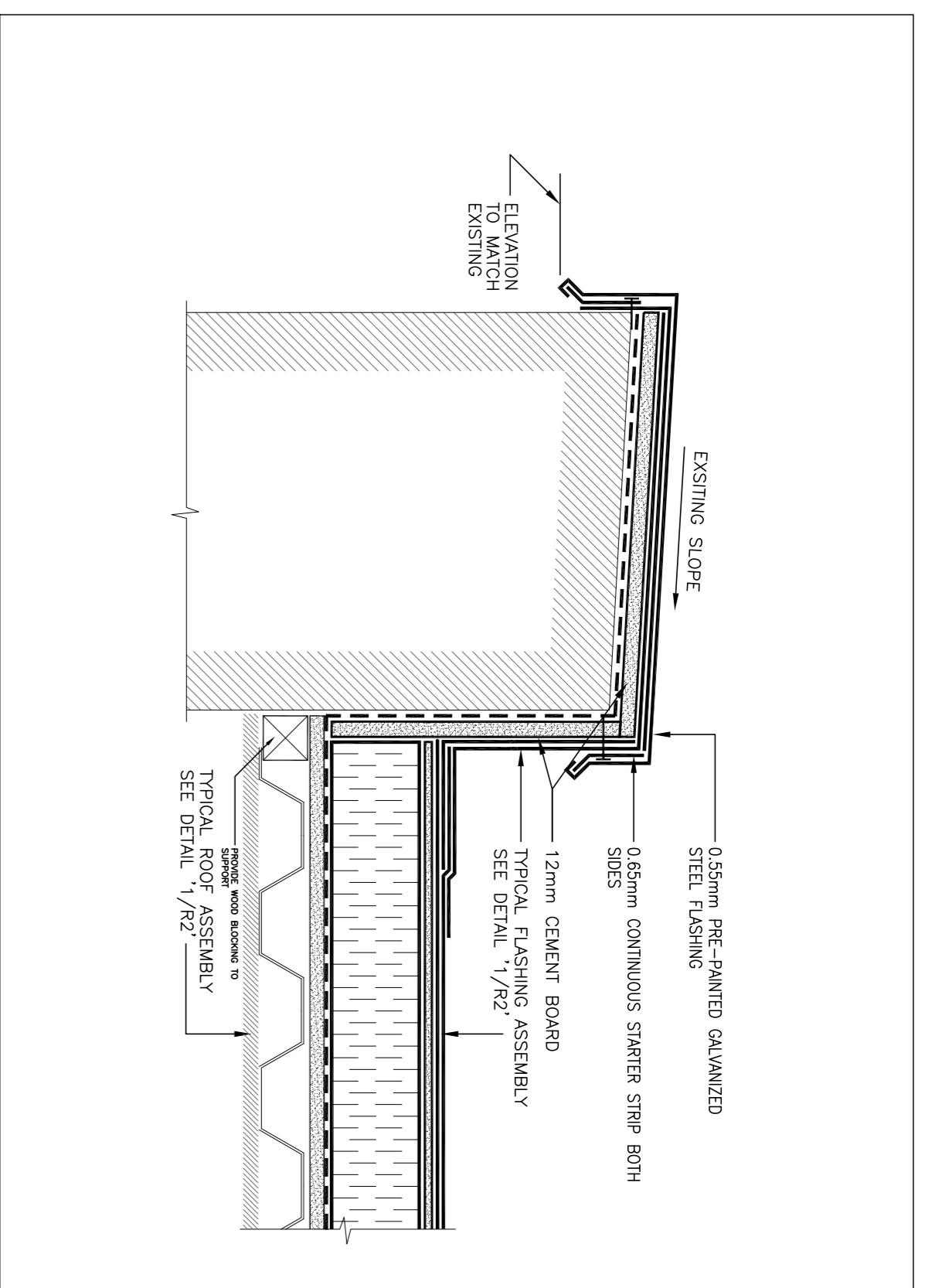
| designed | conçu | date | date |
|--------------|------------|------------|---------------|
| M. PAULIN | | 2014/02/10 | |
| drawn | dessiné | scale | échelle |
| J.C. / M.P. | | AS SHOWN | |
| checked | vérifié | sheet | feuille |
| J. CALLENDER | | 3 of/48 | 4 |
| approved | approuvé | job no. | no. de projet |
| | | | |
| dwg. no. | dessin no. | | |
| D-3940-R1 | D-3940-R1 | | |



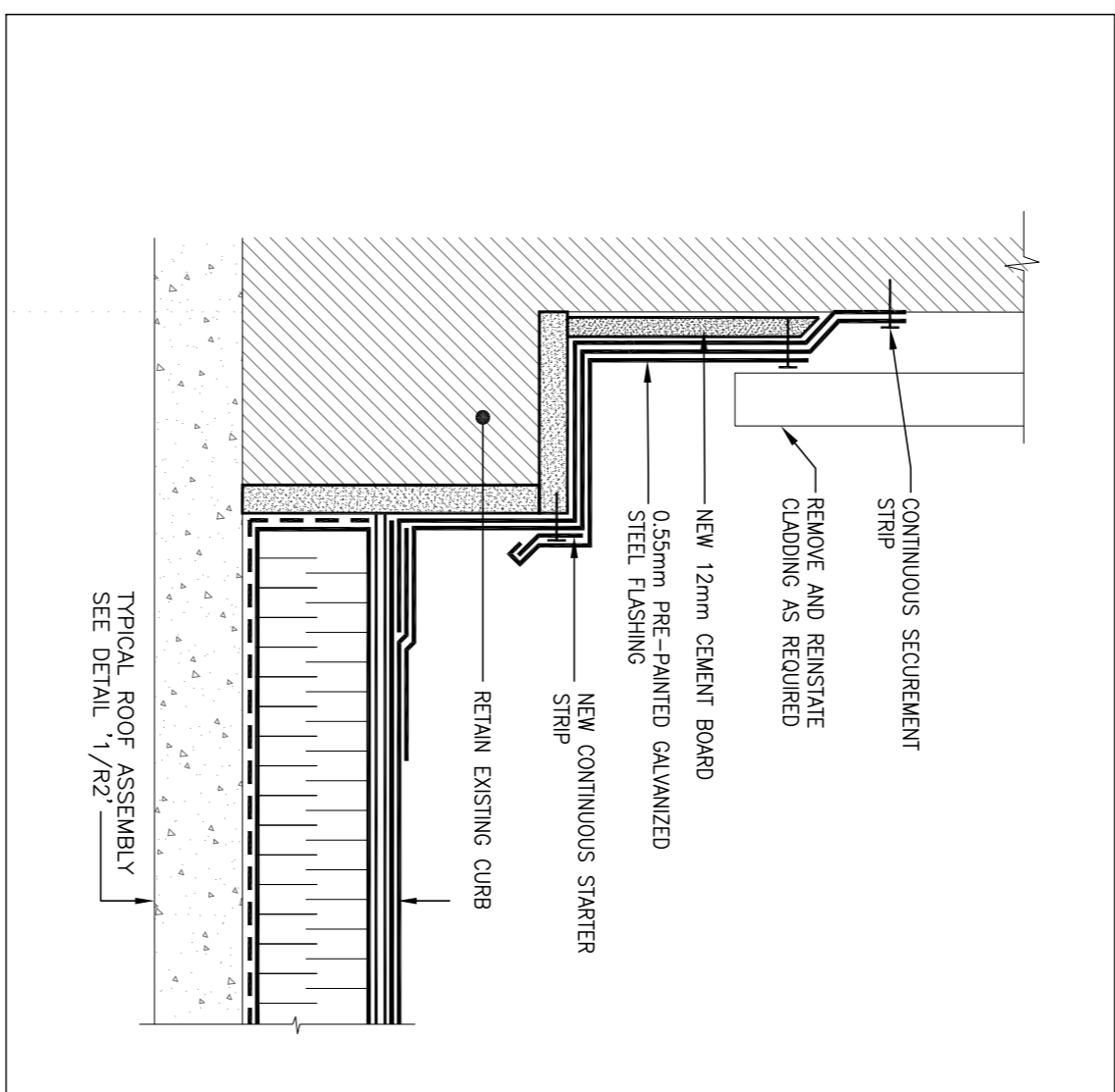
1 TYPICAL ROOF ASSEMBLY DETAIL
N.T.S.



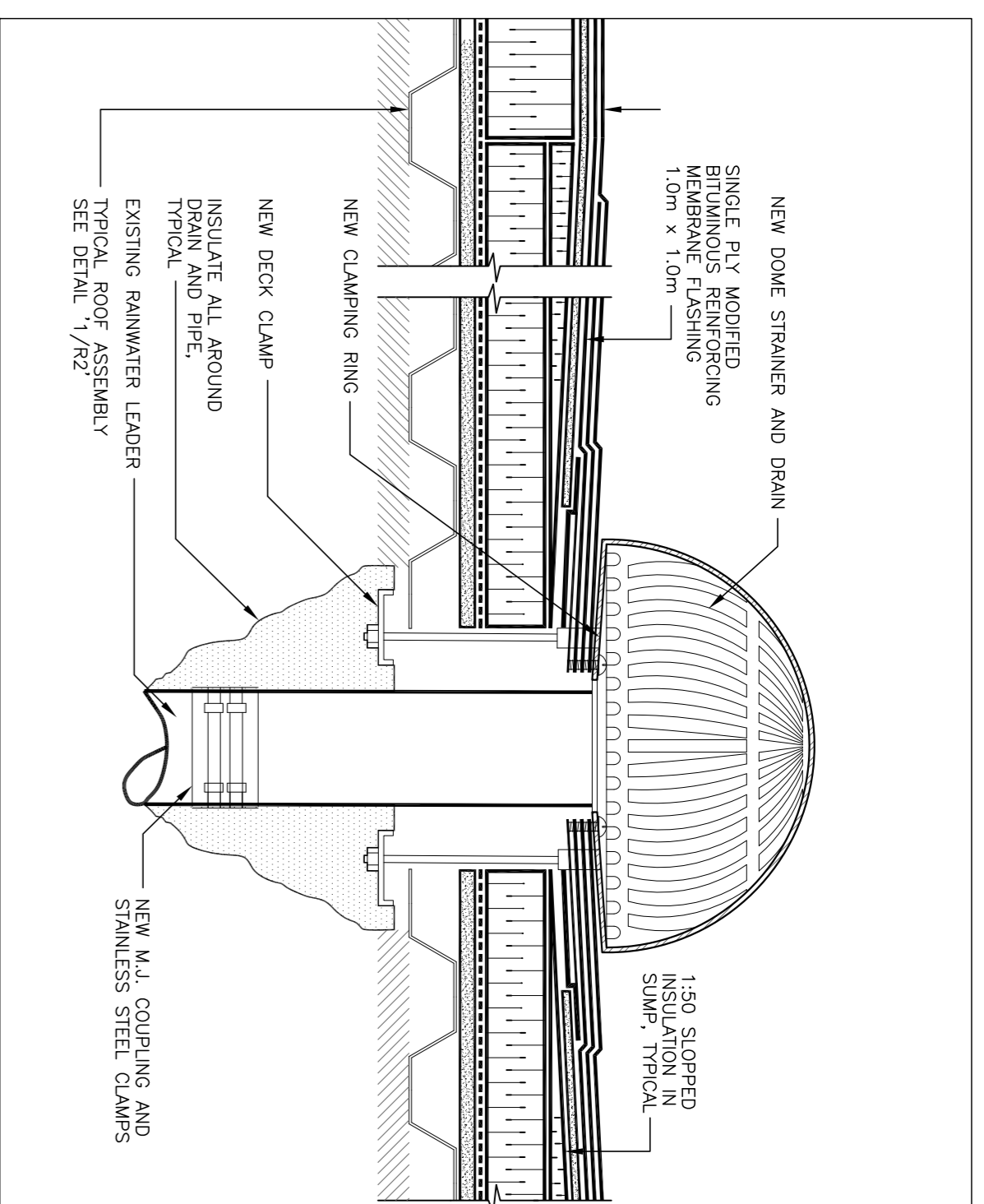
4 TYPICAL ROOF EDGE DETAIL
N.T.S.



2 TYPICAL PARAPET DETAIL
N.T.S.



5 TYPICAL WALL DETAIL
N.T.S.



3 TYPICAL DRAIN DETAIL
N.T.S.

| <p>National Research Council Canada Administrative Services and Property Management Branch</p> | | <p>Corseil national des recherches Canada Division des services administratifs et de gestion de l'immobilier</p> | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|--|------|---------------|---------------|----------|-----|-------------------------|----|------------|-------------------------|------|--|---|------------|-------------------|------|--|---|------------|-------------------|------|--|
| <p>300-2611 QUEENSWAY DRIVE OTTAWA, ONTARIO CANADA K2B 8R2 TEL: (613) 929-6299 FAX: (613) 929-6299</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>new plan plan cdt</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Project: NATIONAL RESEARCH COUNCIL CANADA BUILDING M-5 - ROOF REPLACEMENT 1200 MONTREAL ROAD, OTTAWA, ONTARIO</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Project: M-15 ROOFING DETAILS</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>designated: M. PAULIN 2014/02/10 date</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>drawn: J.C. / M.P. AS SHOWN échelle</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>checked: J. CALLENDER 3 of/4e feuille</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>approved: - approved: no. de projet</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>dwg.no. D-3940-R2 dessin no.</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>dessin no. D-3940-R2</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Revisions:</p> <table border="1"> <tr> <th>No.</th> <th>Date</th> <th>Revision</th> <th>By:</th> <th>Date imprimée</th> </tr> <tr> <td>R1</td> <td>2014/04/29</td> <td>REVISED PER ADDENDUM #1</td> <td>J.C.</td> <td></td> </tr> <tr> <td>1</td> <td>2014/03/17</td> <td>ISSUED FOR TENDER</td> <td>J.C.</td> <td></td> </tr> <tr> <td>A</td> <td>2014/03/03</td> <td>ISSUED FOR REVIEW</td> <td>J.C.</td> <td></td> </tr> </table> | | | | No. | Date | Revision | By: | Date imprimée | R1 | 2014/04/29 | REVISED PER ADDENDUM #1 | J.C. | | 1 | 2014/03/17 | ISSUED FOR TENDER | J.C. | | A | 2014/03/03 | ISSUED FOR REVIEW | J.C. | |
| No. | Date | Revision | By: | Date imprimée | | | | | | | | | | | | | | | | | | | |
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| <p>Notes:</p> <ul style="list-style-type: none"> Verify all dimensions and site conditions and be responsible for same Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Project details:</p> <table border="1"> <tr> <td>A</td> <td>No. du détail</td> <td>A</td> </tr> <tr> <td>B</td> <td>No. du dessin de détail</td> <td>B</td> </tr> <tr> <td>C</td> <td>No. du dessin de détail</td> <td>C</td> </tr> </table> | | | | A | No. du détail | A | B | No. du dessin de détail | B | C | No. du dessin de détail | C | | | | | | | | | | | |
| A | No. du détail | A | | | | | | | | | | | | | | | | | | | | | |
| B | No. du dessin de détail | B | | | | | | | | | | | | | | | | | | | | | |
| C | No. du dessin de détail | C | | | | | | | | | | | | | | | | | | | | | |