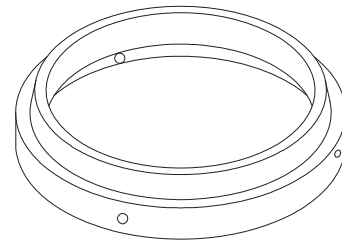
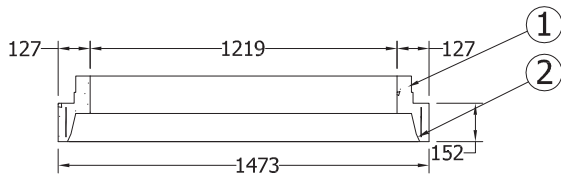


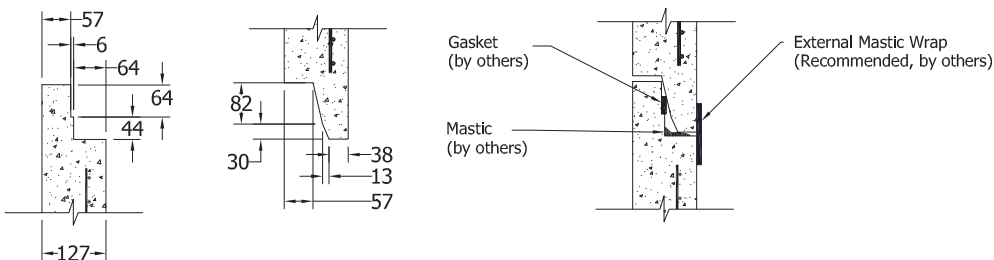
PLAN VIEW
SCALE 1:30



Lifting Detail



SECTION A-A
SCALE 1:30



TONGUE & GROOVE DETAIL
SCALE 1 : 15

SUGGESTED JOINT DETAIL
SCALE 1 : 15

Specification and General Notes:

1. Manhole design/manufacture to ASTM C478M Specification.
2. Concrete testing to current version of ASTM C497/CSA 23.1&2.
3. Min. concrete compressive strength 30 MPa with Max. W/C ratio of 0.5
4. Gasket to ASTM C-443 specification (by others).
5. Concrete cover to be Min.25mm.
6. All dimensions to be millimeter.
7. Welded wire mesh overlap to be 300mm.
8. Manhole design and construction to MMCD manhole specification section 02725.
9. Manufacturing tolerance to be +/- 5mm.
10. Concrete Exposure Class to be A-3
11. Min. Stripping Strength to be 15MPa
12. All Form Finish to be Standard Grade
13. All Unformed Finish to be Steel Trowelled Finish or Wood Float Finish
14. Lifting cable and accessories to meet the strength requirement in lifting detail
15. Hoisting and Rigging system to meet WORK SAFE BC OHS Regulation Guideline Part 14/15



Description:
1219ID x 152H Manhole Riser T&G LR1

48"ID x 6"H Manhole Riser T&G LR1 388 #

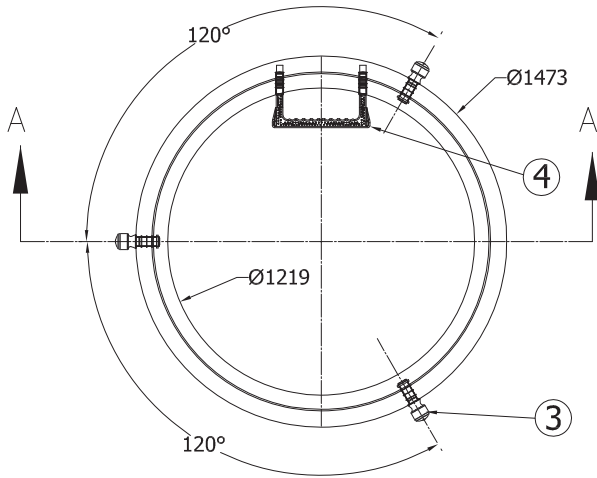
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Approved : V.W.	Load Rating: N/A	
Rev. No. A	Scale : As Shown	Dwg. No. 48-01

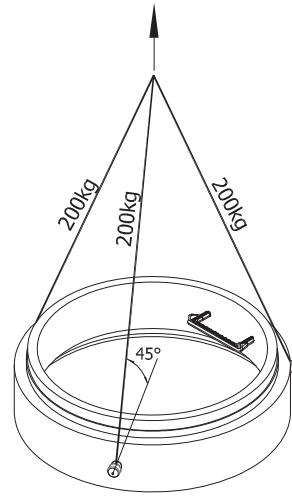
7520 Conrad Street Burnaby, B.C. V5A 2H7 Phone : 604-415-5181 Fax : 604-415-5185
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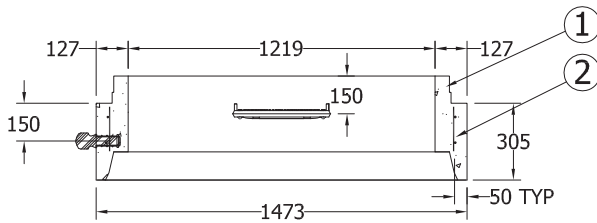
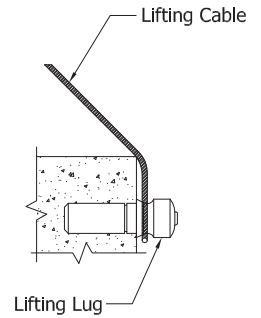
Sheet No.
1 OF 1



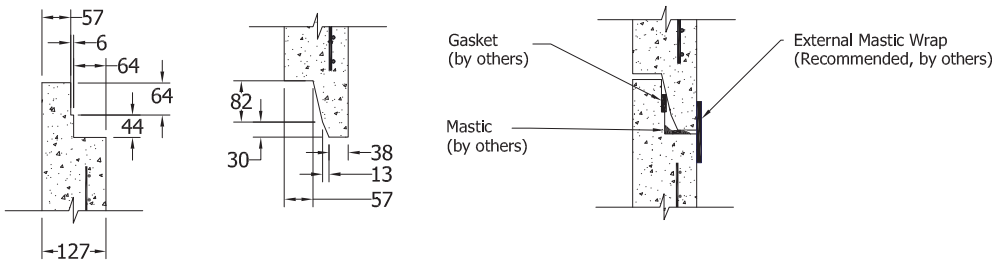
PLAN VIEW
SCALE 1:30



Lifting Detail



SECTION A-A
SCALE 1:30



TONGUE & GROOVE DETAIL
SCALE 1 : 15

SUGGESTED JOINT DETAIL
SCALE 1 : 15

Specification and General Notes:

1. Manhole design/manufacture to ASTM C478M Specification.
2. Concrete testing to current version of ASTM C497/CSA 23.1&2.
3. Min. concrete compressive strength 30 MPa with Max. W/C ratio of 0.5
4. Gasket to ASTM C-443 specification (by others).
5. Concrete cover to be Min.25mm.
6. All dimensions to be millimeter.
7. Welded wire mesh overlap to be 300mm.
8. Manhole design and construction to MMCD manhole specification section 02725.
9. Manufacturing tolerance to be +/- 5mm.
10. Concrete Exposure Class to be A-3
11. Min. Stripping Strength to be 15MPa
12. All Form Finish to be Standard Grade
13. All Unformed Finish to be Steel Trowelled Finish or Wood Float Finish
14. Lifting cable and accessories to meet the strength requirement in lifting detail
15. Hoisting and Rigging system to meet WORK SAFE BC OHS Regulation Guideline Part 14/15

REV. B

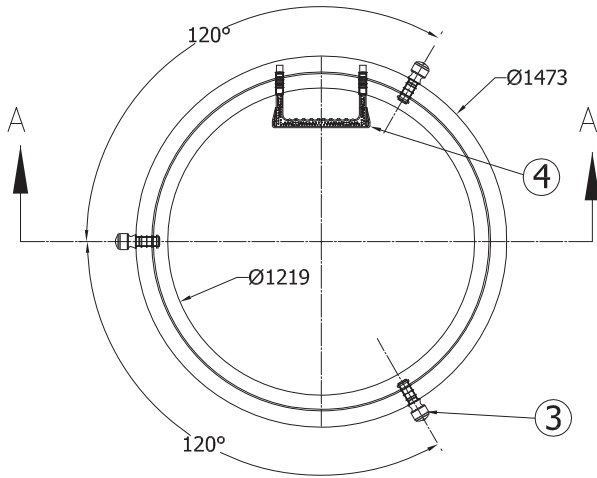


Description:
1219ID x 305H Manhole Riser T&G LR1

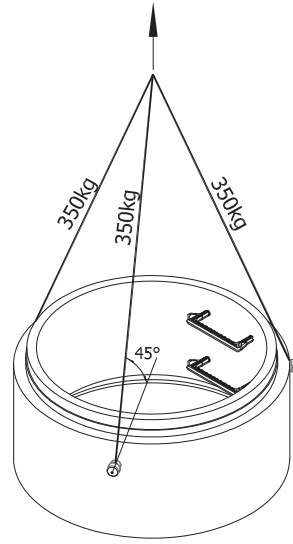
48"ID x 12"H Manhole Riser T&G LR1 800 #

Project:

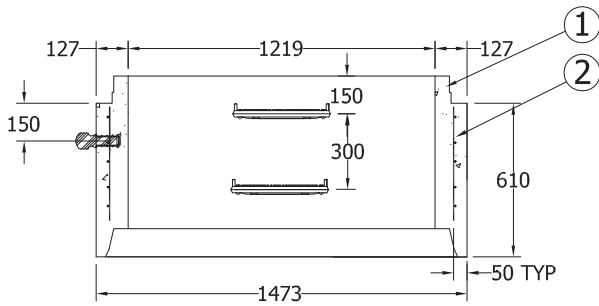
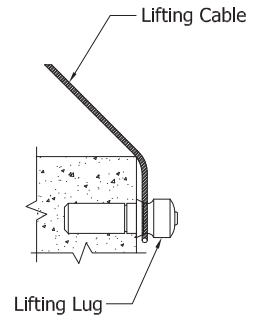
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Approved : V.W.	Load Rating: N/A	Dwg. No. 48-02
Rev. No. B	Scale : As Shown	Sheet No. 1 OF 1



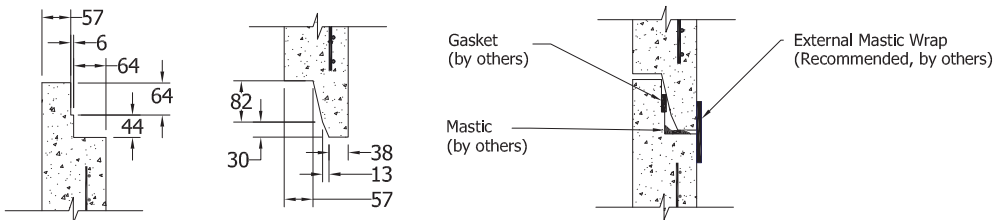
PLAN VIEW
SCALE 1:30



LIFTING DETAIL



SECTION A-A
SCALE 1:30



TONGUE & GROOVE DETAIL
SCALE 1 : 15

SUGGESTED JOINT DETAIL
SCALE 1 : 15

Specification and General Notes:

1. Manhole design/manufacture to ASTM C478M Specification.
2. Concrete testing to current version of ASTM C497/CSA 23.1&2.
3. Min. concrete compressive strength 30 MPa with Max. W/C ratio of 0.5
4. Gasket to ASTM C-443 specification (by others).
5. Concrete cover to be Min.25mm.
6. All dimensions to be millimeter.
7. Welded wire mesh overlap to be 300mm.
8. Manhole design and construction to MMCD manhole specification section 02725.
9. Manufacturing tolerance to be +/- 5mm.
10. Concrete Exposure Class to be A-3
11. Min. Stripping Strength to be 15MPa
12. All Form Finish to be Standard Grade
13. All Unformed Finish to be Steel Trowelled Finish or Wood Float Finish
14. Lifting cable and accessories to meet the strength requirement in lifting detail
15. Hoisting and Rigging system to meet WORK SAFE BC OHS Regulation Guideline Part 14/15

REV. B

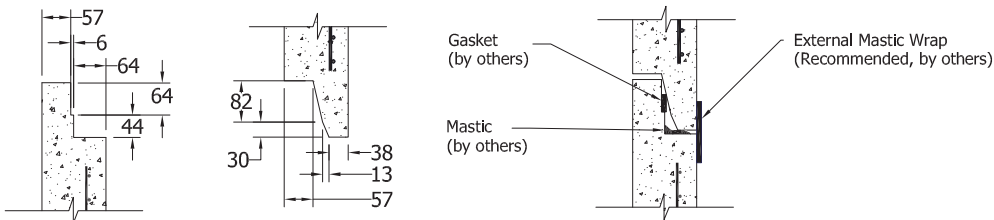
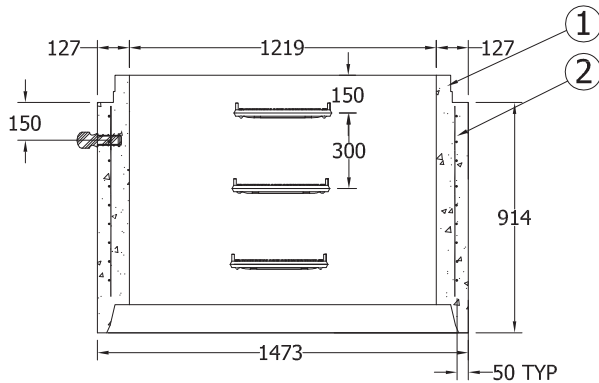
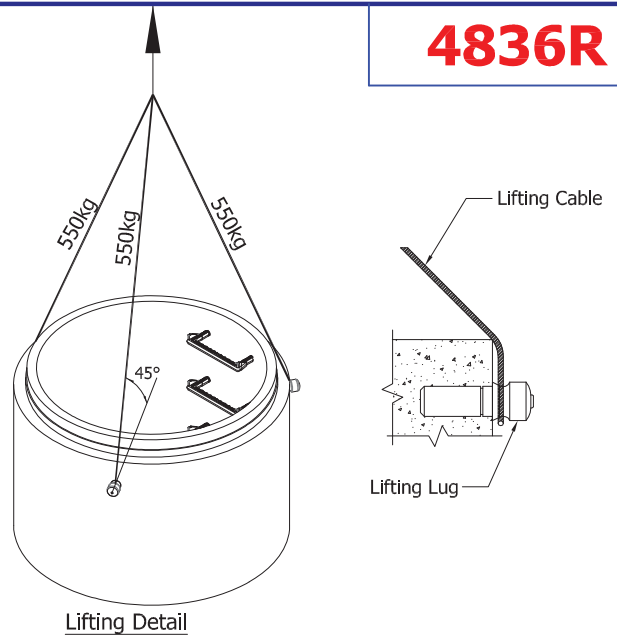
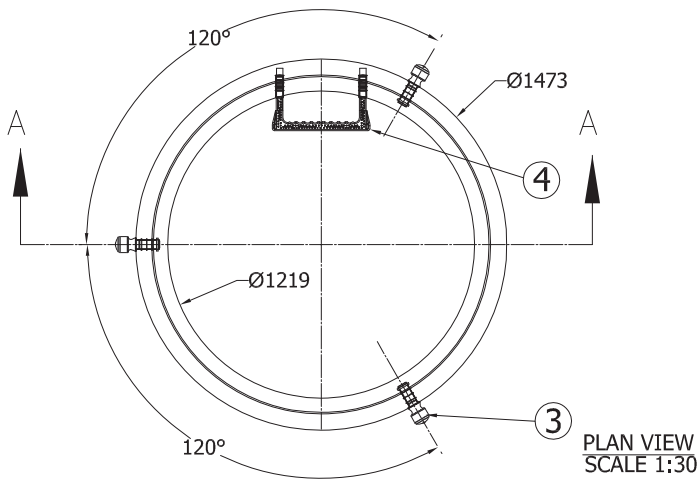


Description:
1219ID x 610H Manhole Riser T&G LR1

48"ID x 24"H Manhole Riser T&G LR2 1600 #

Project:

Drawn : D.L	Date : 06/08/2016	Catalog No. 4824R
Approved : V.W.	Load Rating: N/A	Dwg. No. 48-04
Rev. No. B	Scale : As Shown	Sheet No. 1 OF 1



TONGUE & GROOVE DETAIL
SCALE 1 : 15

SUGGESTED JOINT DETAIL
SCALE 1 : 15

Specification and General Notes:

1. Manhole design/manufacture to ASTM C478M Specification.
2. Concrete testing to current version of ASTM C497/CSA 23.1&2.
3. Min. concrete compressive strength 30 MPa with Max. W/C ratio of 0.5
4. Gasket to ASTM C-443 specification (by others).
5. Concrete cover to be Min.25mm.
6. All dimensions to be millimeter.
7. Welded wire mesh overlap to be 300mm.
8. Manhole design and construction to MMCD manhole specification section 02725.
9. Manufacturing tolerance to be +/- 5mm.
10. Concrete Exposure Class to be A-3
11. Min. Stripping Strength to be 15MPa
12. All Form Finish to be Standard Grade
13. All Unformed Finish to be Steel Trowelled Finish or Wood Float Finish
14. Lifting cable and accessories to meet the strength requirement in lifting detail
15. Hoisting and Rigging system to meet WORK SAFE BC OHS Regulation Guideline Part 14/15



Description:

1219ID x 914H Manhole Riser T&G LR1

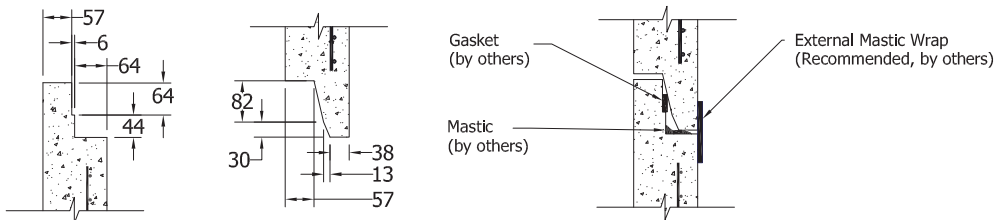
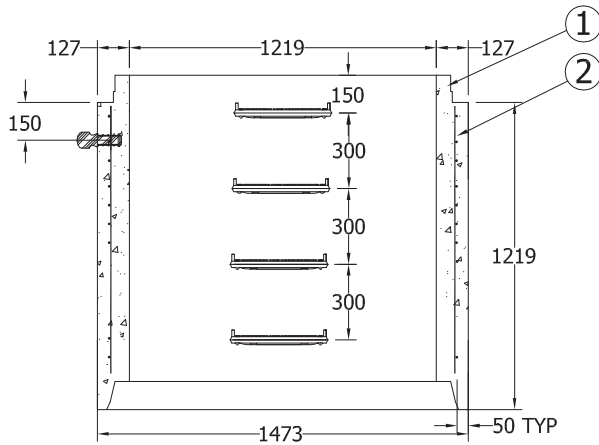
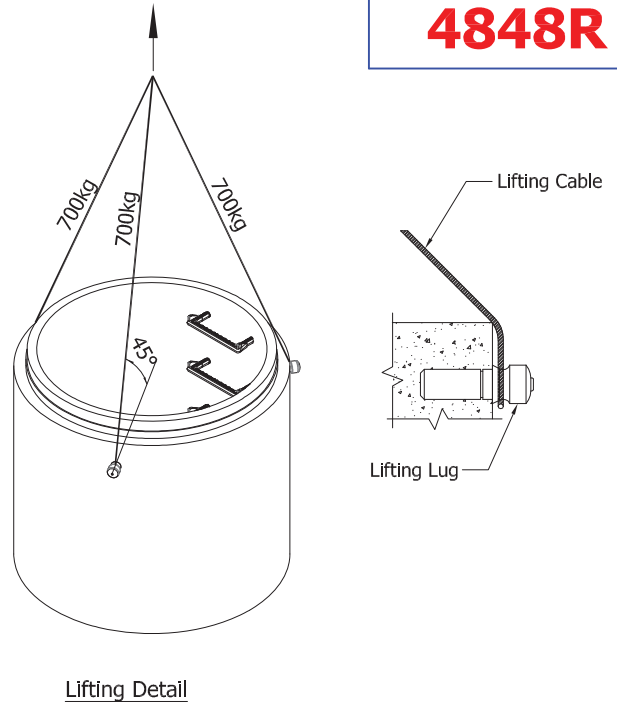
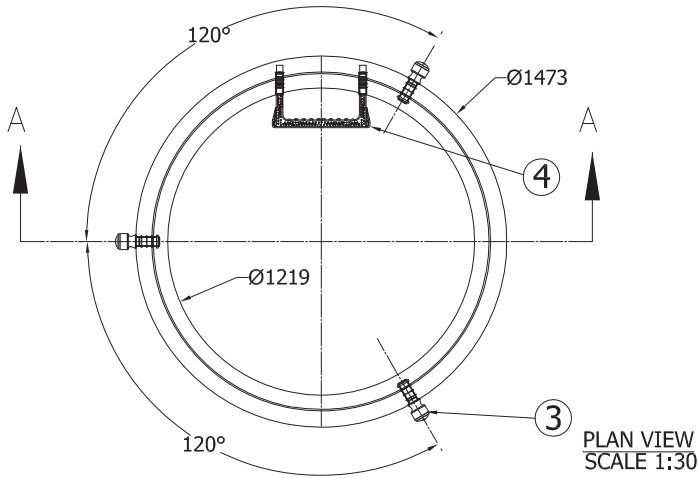
48"ID x 36"H Manhole Riser T&G LR3 2400 #

Project:

Drawn : D.L	Date : 06/08/2016	Catalog No. 4836R
Approved : V.W.	Load Rating: N/A	Dwg. No. 48-06
Rev. No. B	Scale : As Shown	Sheet No. 1 OF 1

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Specification and General Notes:

1. Manhole design/manufacture to ASTM C478M Specification.
2. Concrete testing to current version of ASTM C497/CSA 23.1&2.
3. Min. concrete compressive strength 30 MPa with Max. W/C ratio of 0.5
4. Gasket to ASTM C-443 specification (by others).
5. Concrete cover to be Min.25mm.
6. All dimensions to be millimeter.
7. Welded wire mesh overlap to be 300mm.
8. Manhole design and construction to MMCD manhole specification section 02725.
9. Manufacturing tolerance to be +/- 5mm.
10. Concrete Exposure Class to be A-3
11. Min. Stripping Strength to be 15MPa
12. All Form Finish to be Standard Grade
13. All Unformed Finish to be Steel Trowelled Finish or Wood Float Finish
14. Lifting cable and accessories to meet the strength requirement in lifting detail
15. Hoisting and Rigging system to meet WORK SAFE BC OHS Regulation Guideline Part 14/15



Description:
1219ID x 1219H Manhole Riser T&G LR4

48"ID x 48"H Manhole Riser T&G LR3 3201 #

Project:

Drawn : D.L	Date : 06/08/2016	Catalog No. 4848R
Approved : V.W.	Load Rating: N/A	Dwg. No. 48-08
Rev. No. B	Scale : As Shown	Sheet No. 1 OF 1