NUDURA FORM UNITS A-3

NOMINAL CONCRETE CORE | DIMENSION
---|---
4" (100mm) | 10 1/2" (267mm) | 26 1/2" (673mm) | 9 1/4" (235mm)
6" (150mm) | 10 1/2" (267mm) | 26 1/2" (673mm) | 11 1/4" (286mm)
8" (200mm) | 10 1/2" (267mm) | 26 1/2" (673mm) | 13 1/4" (337mm)
10" (250mm) | 12 1/2" (318mm) | 26 1/2" (724mm) | 15 1/4" (387mm)
12" (300mm) | 14 1/2" (368mm) | 30 1/2" (775mm) | 17 1/4" (438mm)
NuDura Form Units A-4

Nominal Concrete Core

<table>
<thead>
<tr>
<th>Dimension</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (100mm)</td>
<td>9 1/4&quot; (233mm)</td>
<td>6&quot; (152mm)</td>
</tr>
<tr>
<td>6&quot; (150mm)</td>
<td>11 1/4&quot; (286mm)</td>
<td>8&quot; (203mm)</td>
</tr>
<tr>
<td>8&quot; (200mm)</td>
<td>13 1/4&quot; (337mm)</td>
<td>10&quot; (254mm)</td>
</tr>
<tr>
<td>10&quot; (256mm)</td>
<td>15 1/4&quot; (397mm)</td>
<td>12&quot; (305mm)</td>
</tr>
<tr>
<td>12&quot; (306mm)</td>
<td>17 1/4&quot; (438mm)</td>
<td>14&quot; (356mm)</td>
</tr>
</tbody>
</table>

NOTE: Product length subject to regional availability in 4' (1219mm) or 8' (2438mm) lengths.

NuDura Taper Top Form Unit

Integrated Building Technology
Building Value.
NUDURA FORM UNITS A-10

6" (150mm) MAIN / 6" (150mm) "T" AS SHOWN
ALL OTHER CAVITY WIDTHS SIMILAR

<table>
<thead>
<tr>
<th>NOMINAL CONCRETE CORE</th>
<th>DIMENSION</th>
<th>DIMENSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (100mm)</td>
<td>18&quot; (457mm)</td>
<td>9 1/4&quot; (235mm)</td>
</tr>
<tr>
<td>6&quot; (150mm)</td>
<td>20&quot; (508mm)</td>
<td>11 1/4&quot; (286mm)</td>
</tr>
<tr>
<td>8&quot; (200mm)</td>
<td>22&quot; (559mm)</td>
<td>13 1/4&quot; (337mm)</td>
</tr>
<tr>
<td>10&quot; (250mm)</td>
<td>24&quot; (610mm)</td>
<td>15 1/4&quot; (387mm)</td>
</tr>
<tr>
<td>12&quot; (300mm)</td>
<td>26&quot; (660mm)</td>
<td>17 1/4&quot; (438mm)</td>
</tr>
</tbody>
</table>
Engineering Certification for Appendix B

Drawings B-1 to B-17 in Appendix B of the NUDURA ICF Installation manual have been reviewed and certified on October 30, 2015 by Tacoma Engineers for use in the Province of Ontario. These drawings have also been reviewed for conformance to the following Codes and Regulations:

- 2014 Alberta Building Code
- 2012 British Columbia Building Code
- 2011 Manitoba Building Code
- 2014 Nova Scotia Building Code
- 2010 National Building Code as amended by The Uniform Building and Accessibility Standards Regulations in Saskatchewan
TYPICAL CROSS SECTIONS B-1

- Typical 1 or 2 story wood framed wall and roof assembly as per code.
- Exterior finish as specified.
- Anchor bolts installed as per code.
- Minimum 6" (150mm) below grade of acrylic parging coat.
- Grade minimum 2% slope.
- Nudura damp proofing/waterproofing membrane.
- 1/2" (13mm) gypsum board.
- Existing soil.
- Backfill soil as per code.
- Nudura 6" (152mm) form horiz/vert reinforcing as per code or as specified in appendix 'D' for below grade.
- Continuous 4" (100mm) round perforated drain tile covered with 6" (150mm) crushed granular as per code.

Slab assembly:
- 3" (75mm) concrete floor.
- 2 1/2" (64mm) Nudura floor technology (optional).
- 8" (200mm) clear stone.

Continuous concrete footing on undisturbed soil as per code.

Building section:
- Basement 6" (152mm) form unit 1 or 2 story wood frame non-brick finish.
- Scale: "Not to Scale"
TYPICAL CROSS SECTIONS B-3

PRE-ENGINEERED ROOF TRUSSES
OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

3” (13mm) GYPSUM BOARD

NUDURA 6” (152mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX "D" FOR ABOVE GRADE

MINIMUM 6” (150mm) BELOW GRADE OF
ACRYLIC PARGE COAT
GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/
WATERPROOFING MEMBRANE

3” (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6” (152mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX "D" FOR BELOW GRADE

CONTINUOUS 4” (100mm)
ROUND PERFORATED DRAIN TILE
COVERED WITH 5” (150mm)
CRUSHED GRANULAR AS PER CODE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS
PER CODE. FOOTING SIZE AS PER CODE FOR 6” (152mm)
CONCRETE BASEMENT WALL PLUS ONE STORY CONCRETE OR
MASONRY WALL (NON-BRICK FINISH & PREVAILING SITE
CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1” (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY
1’0” (305mm) OF CONCRETE WALL HEIGHT ABOVE 8’0” (2440mm)

**DISCLAIMER NOTICE:
SPECIFIED INFORMATION
REQUIRED FOR COMPLIANCE
WITH LOCAL CODES IS THE
RESPONSIBILITY OF THE
DESIGNER**

2 LAYERS OF NUDURA
CEILING TECHNOLOGY
(OPTIONAL) OR
CONVENTIONAL INSULATION
AS PER CODE

WALL HEIGHT AS PER APP. "C"
ABOVE GRADE TABLES

WOOD FLOOR SYSTEM
AS SPECIFIED

SLAB ASSEMBLY
3” (75mm) CONCRETE FLOOR
2 1/2” (64mm) NUDURA FLOOR
TECHNOLOGY (OPTIONAL)
8” (200mm) CLEAR STONE

B-3
TYPICAL CROSS SECTIONS B-4

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

BRICK VENEER c/w 1" (25mm) AIR SPACE AND BRICK TIES AS PER CODE

1/2" (13mm) GYPSUM BOARD

NUDURA 6" (152mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE

MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

1/2" (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm) ROUND PERFORATED DRAIN TILE COVERED WITH 6" (150mm) CRUSHED GRANULAR AS PER CODE

*NOTE: IN ADDITION TO THE FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'0" (2440mm) PER STORY

2 LAYERS OF NUDURA CEILING TECHNOLOGY (OPTIONAL) OR CONVENTIONAL INSULATION AS PER CODE

WALL HEIGHT AS PER APP. 'D'

WALL HEIGHT AS PER APP. 'G'

WALL HEIGHT AS PER APP. 'F'

WALL HEIGHT AS PER APP. 'E'

WALL HEIGHT AS PER APP. 'D'

WOOD FLOOR SYSTEM AS SPECIFIED

SLAB ASSEMBLY

3" (75mm) CONCRETE FLOOR

2 3/8" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8" (200mm) CLEAR STONE

NUDURA® INTEGRATED BUILDING TECHNOLOGY

Building Value.
TYPICAL CROSS SECTIONS B-5

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

3" (13mm) GYPSUM BOARD

NUDURA 6" (152mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE

3" (13mm) GYPSUM BOARD

MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

3" (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm) ROUND PERFORATED DRAIN TILE COVERED WITH 6" (150mm) CRUSHED GRANULAR AS PER CODE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE. FOOTING SIZE AS PER CODE FOR 6" (152mm) CONCRETE BASEMENT WALL PLUS TWO STORY MASONRY OR CONCRETE WALL (NON-BRICK FINISH & PREVAILING SITE CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'0" (2440mm) PER STORY

DISCLAIMER NOTICE: SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE WITH LOCAL CODES IS THE RESPONSIBILITY OF THE DESIGNER

SLAB ASSEMBLY

3" (75mm) CONCRETE FLOOR

2 ¾" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8" (200mm) CLEAR STONE

WOOD FLOOR SYSTEM AS SPECIFIED

WOOD FLOOR SYSTEM AS SPECIFIED

WALL HEIGHT AS PER APP. 'T' BELOW GRADE TABLES

WALL HEIGHT AS PER APP. 'T' ABOVE GRADE TABLES

DETAIL-C4

DETAIL-C9

DETAIL-C4

DETAIL-C1

NUDURA® INTEGRATED BUILDING TECHNOLOGY
Building Value.
TYPICAL CROSS SECTIONS B-6

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

BRICK VENEER c/w 1" (25mm) AIR SPACE AND BRICK TIES AS PER CODE

3" (13mm) GYPSUM BOARD

NUDURA 6" (152mm) FORM HORIZ./VERT. REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE

3" (13mm) GYPSUM BOARD

MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

3" (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM HORIZ./VERT. REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm) ROUND PERFORATED DRAIN TILE COVERED WITH 6" (150mm) CRUSHED GRANULAR AS PER CODE

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'0" (2440mm) PER STORY
PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

NUDURA 4" (102mm) FORM
HORZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX 'D' FOR ABOVE GRADE

3/4" (13mm) GYPSUM BOARD

MINIMUM 6" (152mm) BELOW GRADE OF
ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

3/4" (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM
HORZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm)
ROUND PERFORATED DRAIN TILE
COVERED WITH 6" (150mm)
CRUSHED GRANULAR AS PER CODE

2 LAYERS OF NUDURA
CEILING TECHNOLOGY
(OPTIONAL) OR
CONVENTIONAL INSULATION
AS PER CODE

DETAIL-C6

WALL HEIGHT AS PER APP. 10'
ABOVE GRADE TABLES

DETAIL-C9

SIMILAR w/ 1/4"
(102mm) FORM
UNIT

3" (75mm) CONCRETE FLOOR
2 2/3" (64mm) NUDURA FLOOR
TECHNOLOGY (OPTIONAL)
8" (200mm) CLEAR STONE

DETAIL-C1

WALL HEIGHT AS PER APP. 10'
BELOW GRADE TABLES

BRIEF HEIGHT

SANDFILL HEIGHT

WALL HEIGHT AS PER APP. 10'
GRADING TABLES

SLAB ASSEMBLY

BRIEF FEET

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS
PER CODE, FOOTING SIZE AS PER CODE FOR 6" (152mm)
CONCRETE BASEMENT WALL PLUS ONE STORY CONCRETE OR
MASONRY WALL (NON-BRICK FINISH & PREVAILING SITE
CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY
1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'0" (2440mm) PER STORY

NUDURA®
INTEGRATED BUILDING TECHNOLOGY
Building Value.

BUILDING SECTION
BASEMENT 6" (152mm) FORM UNIT
1 STORY 4" (102mm) FORM UNIT
NON-BRICK FINISH

REV. NO.
005 KS

ENG. NO.
B-7

REV. DATE:
SEPT 2015

DRAWN BY:
J.R./N.L

SCALE:
“Not to Scale”
TYPICAL CROSS SECTIONS B-8

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

\( \frac{3}{4} " (19\text{mm}) \) GYPSUM BOARD

NUDURA 4" (102mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE

\( \frac{3}{4} " (19\text{mm}) \) GYPSUM BOARD

MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

\( \frac{3}{4} " (19\text{mm}) \) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm) ROUND PERFORATED DRAIN TILE COVERED WITH 6" (150mm) CRUSHED GRANULAR AS PER CODE

DETAIL-C09
SIMILAR w/4" (102mm) FORM UNIT

DETAIL-C4
SIMILAR w/4" (102mm) FORM UNIT

DETAIL-C6

2 LAYERS OF NUDURA CEILING TECHNOLOGY (OPTIONAL) OR CONVENTIONAL INSULATION AS PER CODE

WOOD FLOOR SYSTEM AS SPECIFIED

SLAB ASSEMBLY
3" (75mm) CONCRETE FLOOR
2 1/2" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)
8" (200mm) CLEAR STONE

WALL HEIGHT AS PER APP. 'D' BELOW GRADE TABLES

WALL HEIGHT AS PER APP. 'D' ABOVE GRADE TABLES

DETAIL-C1

WALL HEIGHT AS PER APP. 'D'

DETAIL-C2

DETAIL-C3

DETAIL-C5

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE, FOOTING SIZE AS PER CODE FOR 4" (102mm) CONCRETE BASEMENT WALL PLUS TWO STORIES CONCRETE OR MASONRY WALL (NON-BRICK FINISH & Prevailing Site Conditions)

NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'0" (2440mm) PER STORY

NUDURA®
INTEGRATED BUILDING TECHNOLOGY

Building Value.

INSTALLATION MANUAL
TYPICAL CROSS SECTIONS B-9

**Pre-engineered roof trusses or rafters as per code.**

**Exterior finish as specified.**

**NUDURA 4" (102mm) FORM-HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX "D" FOR ABOVE GRADE.**

**1/2" (13mm) gypsum board.**

**Minimum 6" (150mm) below grade of acrylic parging coat.**

**Grade minimum 2% slope.**

**NUDURA DAMPROOFING/WATERPROOFING MEMBRANE.**

**1/2" (13mm) gypsum board.**

**Existing soil.**

**Backfill soil as per code.**

**NUDURA 8" (203mm) FORM-HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX "D" FOR BELOW GRADE.**

**Continuous 4" (100mm) round perforated drain tile covered with 6" (150mm) crushed granular as per code.**

**Continuous concrete footing on undisturbed soil as per code. Footing size as per code for 8" (203mm) concrete basement wall plus one story concrete or masonry wall (non-brick finish & prevailing site conditions).**

**Note:** In addition to footing size indicated by code, add 1" (25.4mm) width to strip footing for every 1'0" (305mm) of concrete wall height above 8'0" (2440mm) per story.

**Slate assembly:**
- 3" (75mm) concrete floor
- 2 1/2" (64mm) NUDURA floor technology (optional)
- 8" (200mm) clear stone

**Building section:**
- Basement 8" (203mm) form unit
- 1 story 4" (102mm) form unit
- Non-brick finish

**Scale:** Not to Scale
PRE-ENGINEERED ROOF TRUSSES
OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

3” (13mm) GYPSUM BOARD

NUDURA 4” (102mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX 'D' FOR ABOVE GRADE

3” (13mm) GYPSUM BOARD

MINIMUM 6” (150mm) BELOW GRADE OF
ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/
WATERPROOFING MEMBRANE

3” (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 8” (203mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4” (100mm)
ROUND PERFORATED DRAIN TILE
COVERED WITH 6” (150mm)
CRUSHED GRANULAR AS PER CODE

DETAIL-C7

DETAIL-C9
SIMILAR w/4” (102mm) FORM
UNIT

DETAIL-C4
SIMILAR w/4” (102mm) FORM
UNIT

WALL HEIGHT AS PER APP. 'D'
ABOVE GRADE TABLES

WOOD FLOOR SYSTEM AS SPECIFIED

SLAB ASSEMBLY
3” (75mm) CONCRETE FLOOR
2 3/4” (64mm) NUDURA FLOOR
TECHNOLOGY (OPTIONAL)
8” (200mm) CLEAR STONE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS
PER CODE. FOOTING SIZE AS PER CODE FOR 8” (203mm)
CONCRETE BASEMENT WALL PLUS TWO STORIES CONCRETE OR
MASONRY WALL (NON-BRICK FINISH & PREVAILING SITE
CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1” (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY
1’0” (305mm) OF CONCRETE WALL HEIGHT ABOVE 8’0” (2440mm) PER STORY

BUILDING SECTION
BASEMENT 8” (203mm) FORM UNIT
2 STORY 4” (102mm) FORM UNIT
NON-BRICK FINISH

REV. NO.
005 KS

DRAWN BY
J.N / N.L

REV. DATE
SEPT 2015

SHEET
“Not to Scale”

NUDURA
INTEGRATED BUILDING TECHNOLOGY
Building Value.

TYPICAL CROSS SECTIONS B-10
TYPICAL CROSS SECTIONS B-11

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

BRICK VENEER c/w 1" (25mm) AIR SPACE AND BRICK TIES AS PER CODE

NUDURA 4" (102mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE

\( \frac{3}{4} \) (13mm) GYPSUM BOARD

MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPPROOFING/WATERPROOFING MEMBRANE

\( \frac{3}{4} \) (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 8" (203mm) FORM HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm) ROUND PERFORATED DRAIN TILE COVERED WITH 6" (150mm) CRUSHED GRANULAR AS PER CODE.

NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8’0" (2440mm) PER STORY

DISCLAIMER NOTICE:
SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE WITH LOCAL CODES IS THE RESPONSIBILITY OF THE DESIGNER

SLAB ASSEMBLY
3" (75mm) CONCRETE FLOOR
2 \( \frac{3}{4} \) (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)
8" (200mm) CLEAR STONE

BUILDING SECTION
BASEMENT 8" (203mm) FORM UNIT
1 STORY 4" (102mm) FORM UNIT
BRICK VENEER FINISH

BUILDING VALUE.
TYPICAL CROSS SECTIONS B-12

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

BRICK VENEER c/w 1" (25mm)
AIR SPACE AND BRICK TIES

3/4" (13mm) GYPSUM BOARD
NUDURA 4" (102mm) FORM
HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE

3/4" (13mm) GYPSUM BOARD
MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGING COAT
GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/ WATERPROOFING MEMBRANE

3/4" (13mm) GYPSUM BOARD
EXISTING SOIL
BACKFILL SOIL AS PER CODE

NUDURA 8" (203mm) FORM
HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR BELOW GRADE

CONTINUOUS 4" (100mm)
ROUND PERFORATED DRAIN TILED COVERED WITH 6" (150mm)
CRUSHED GRANULAR AS PER CODE

DETAIL-C9
SIMILAR w/4" (102mm) FORM UNIT

DETAIL-C4
SIMILAR w/4" (102mm) FORM UNIT

DETAIL-C8

2 LAYERS OF NUDURA CEILING TECHNOLOGY (OPTIONAL) OR CONVENTIONAL INSULATION AS PER CODE

WALL HEIGHTS AS SPECIFIED

WALL HEIGHT AS PER APP. TD

BCHFIL HEDG

BACKFILL HEDGE

DMIN. CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE. FOOTING SIZE AS PER CODE FOR 8" (203mm) CONCRETE BASEMENT WALL PLUS TWO STOREY CONCRETE OR MASONRY WALL (BRICK VENEER FINISH & PREVAILING SITE CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'0" (2440mm) PER STORY

BUILDING SECTION
BASEMENT 8" (203mm) FORM UNIT
2 STORY 4" (102mm) FORM UNIT
BRICK VENEER FINISH

REV. NO. 005 KS
ENG NO. B-12

DRAWN BY J.A. N.L.
SCALE: "Not to Scale"
TYPICAL CROSS SECTIONS B-13

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX D FOR ABOVE GRADE

3/8" (13mm) GYPSUM BOARD

MINIMUM 6" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING BELOW GRADE SHALL BE IDENTICAL TO ABOVE GRADE WALL REINFORCING

FOOTING AND STEM WALL DEPTH TO EXTEND BELOW FROST PENETRATION AS PER CODE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE. FOOTING SIZE AS PER CODE FOR 6" (152mm) CONCRETE BASEMENT WALL PLUS ONE STORY CONCRETE OR MASONRY WALL (NON-BRICK FINISH & PREVAILING SITE CONDITIONS)

"NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 5'0" (2440mm) PER STORY

2 LAYERS OF NUDURA CEILING TECHNOLOGY (OPTIONAL) OR CONVENTIONAL INSULATION AS PER CODE

SLAB ASSEMBLY
3" (75mm) CONCRETE FLOOR
2 1/2" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)
8" (200mm) CLEAR STONE.

NUDURA INTEGRATED BUILDING TECHNOLOGY
Building Value.

I N S T A L L A T I O N M A N U A L
TYPICAL CROSS SECTIONS B-14

PRE-ENGINEERED ROOF TRUSSES
OR RAFTERS AS PER CODE

BRICK VENEER c/w 1” (25mm)
AIR SPACE AND BRICK TIES AS
PER CODE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX 'D' FOR ABOVE GRADE

½” (13mm) GYPSUM BOARD

MINIMUM 6” (150mm) BELOW GRADE OF
ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING BELOW
GRADE AS SPECIFIED PER DETAIL
C-18

FOOTING AND STEM WALL
DEPTH TO EXTEND BELOW
FROST PENETRATION AS PER
CODE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS
PER CODE. FOOTING SIZE AS PER CODE FOR 6” (152mm)
CONCRETE BASEMENT WALL PLUS ONE STORY CONCRETE OR
MASONRY WALL (BRICK VENEER FINISH & PREVAILING SITE
CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1” (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY
1”-0” (305mm) OF CONCRETE WALL HEIGHT ABOVE 8”-0” (2440mm) PER STORY
TYPICAL CROSS SECTIONS B-15

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

\( \frac{7}{8} \) (13mm) GYPSUM BOARD

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX "D" FOR ABOVE GRADE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX "D" FOR ABOVE GRADE

\( \frac{7}{8} \) (13mm) GYPSUM BOARD

MINIMUM 8" (150mm) BELOW GRADE OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING BELOW GRADE SHALL BE IDENTICAL TO ABOVE GRADE WALL REINFORCING FOR FIRST STORRY

FOOTING AND STEM WALL DEPTH TO EXTEND BELOW FROST PENETRATION AS PER CODE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE. FOOTING SIZE AS PER CODE FOR 6" (152mm) CONCRETE BASEMENT WALL PLUS TWO STORY CONCRETE OR MASONRY WALL (NON-BRICK FINISH & PREVAILING SITE CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'-0" (2440mm) PER STORY

NUDURA INTEGRATED BUILDING TECHNOLOGY
Building Value.

INSTRUCTION MANUAL
PRE-ENGINEERED ROOF TRUSSES
OR RAFTERS AS PER CODE

BRICK VENEER c/w 1" (25mm)
AIR SPACE AND BRICK TIES AS
PER CODE

1/2" (13mm) GYPSUM BOARD

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX "D" FOR ABOVE GRADE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING AS
PER CODE OR AS SPECIFIED IN
APPENDIX "D" FOR ABOVE GRADE

1/2" (13mm) GYPSUM BOARD

MINIMUM 6" (150mm) BELOW GRADE
OF ACRYLIC PARGE COAT

GRADE MINIMUM 2% SLOPE

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM
HORIZ/VERT REINFORCING BELOW
GRADE AS SPECIFIED PER DETAIL
C-18

FOOTING AND STEM WALL
DEPTH TO EXTEND BELOW FROST
PENETRATION AS PER CODE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS
PER CODE. FOOTING SIZE AS PER CODE FOR 6" (152mm)
CONCRETE BASEMENT WALL PLUS TWO STORY CONCRETE OR
MASONRY WALL (BRICK FINISH & PREVAILING SITE CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY
1'-0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'-0" (2440mm) PER STORY

2 LAYERS OF NUDURA
CEILING TECHNOLOGY
(OPTIONAL) OR
CONVENTIONAL INSULATION
AS PER CODE

WOOD FLOOR SYSTEM
AS SPECIFIED

SLAB ASSEMBLY

3" (75mm) CONCRETE FLOOR
2.1/2" (64mm) NUDURA FLOOR
TECHNOLOGY (OPTIONAL)
8" (200mm) CLEAR STONE

BUILDING SECTION
6" (152mm) FORM FROST WALL
SLAB ON GRADE
2 STORY 6" (152mm) FORM UNIT
BRICK VENEER FINISH

NUDURA®
INTEGRATED BUILDING TECHNOLOGY

Building Value.
PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

3/8" (13mm) GYPSUM BOARD—CONTINUOUS GAS SEAL AS PER CODE

EXTERIOR FINISH AS SPECIFIED

NUDURA 6" (152mm) FORM

HORIZ/VERT REINFORCING AS PER CODE OR AS SPECIFIED IN APPENDIX 'D' FOR ABOVE GRADE WALL AND APPENDIX 'E' FOR LINTELS

OVERHEAD GARAGE DOOR (TYPICAL) AND SUPPORT ROLLER TRACK

GRADE MINIMUM 2% SLOPE

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 6" (152mm) FORM

HORIZ/VERT REINFORCING BELOW GRADE SHALL BE IDENTICAL TO ABOVE GRADE WALL REINFORCING

FOOTING AND STEM WALL DEPTH TO EXTEND BELOW FROST PENETRATION AS PER CODE.

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE. FOOTING SIZE AS PER CODE FOR 6" (152mm)

CONCRETE BASEMENT WALL PLUS ONE STORY CONCRETE OR MASONRY WALL (NON-BRICK FINISH & PREVAILING SITE CONDITIONS)

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1"-0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'-0" (2440mm) PER STORY

BUILDING SECTION

6" (152mm) STEM WALL

TYPICAL GARAGE DOOR DETAIL

NON-BRICK FINISH

SN 002 KS

BCNO NO.

B-17

DRAWN BY

K. STILL

NOT TO SCALE

INTEGRATED BUILDING TECHNOLOGY

Building Value.
NUDURA WATERPROOF MEMBRANE LAPPED OVER FOUNDATION

WATERPROOF CONCRETE TO 152mm ABOVE GRADE

CONTINUOUS WATER STOP
600mm LAPPED JOINT

GRANULAR FILL FOR DRAINAGE
100mm PERFORATED DRAINAGE PIPE

PLASTER BOARD

NUDURA STANDARD 152mm FORM UNIT

HORIZONTAL/VERTICAL REINFORCEMENT AS SPECIFIED BY LOCAL PRESCRIPTIVE OR ENGINEERING DESIGN

90mm NUDURA FLOOR TECHNOLOGY OR EQUIVALENT
75mm FLOOR SCREED

DAMP PROOF COURSE/RADON BARRIER

WATERPROOF CONCRETE
TYPICAL DETAILS CE-4

NUDURA STANDARD
152mm FORM UNIT

HORIZONTAL/VERTICAL
REINFORCEMENT AS
SPECIFIED BY LOCAL
PRESCRIPTIVE OR
ENGINEERING DESIGN

APPROVED I.C.F RENDER
LAPPED AT DAMP
PROOF COURSE

DAMP PROOF
COURSE/RADON BARRIER

FINISH GRADE
152mm BELOW
DPC THROUGH
FORM

CAPPED OUTLET
VENT

NUDURA STANDARD
152mm FORM UNIT

75mm CONCRETE FLOOR
SCREED

90mm NUDURA FLOOR
TECHNOLOGY OR EQUIVALENT

125mm FLOOR SLAB

50mm SAND BLINDING

NUDURA STANDARD
152mm FORM UNIT

100mm RADON OUTLET
PIPE AS SPECIFIED

HARDCORE Fill

MASONRY
BLOCK
FOUNDATION
WALL

STRIP FOOTING
SIZE AS PER
ENGINEERED
DESIGN

DISCLAIMER NOTICE:
SPECIFIC INFORMATION
REQUIRED FOR COMPLIANCE
WITH LOCAL CODES IS THE
RESPONSIBILITY OF THE
DESIGNER

NUDURA
INTEGRATED BUILDING TECHNOLOGY
Building Value.

STANDARD 152 mm FORM UNIT
STRIP FOOTING
FOUNDATION DETAILS
DAMP PROOF COURSE w/
RADON PROVISIONS

REV. NO. 001 KS
DATE: SEPT 2015
DRAWN BY K. STILL
SCALE: 1:8

IM December 2016 ENG.qxp_1 2016-01-18 2:00 PM Page 190
BRICK VENEER WITH
25mm AIR SPACE AND
BRICK TIES AS PER
CODE

DPC/FLASHING MATERIAL
AND WEEP HOLES AS
PER CODE

SOLID FILL BEHIND
BRICK WITH MORTAR

BEAM REINFORCEMENT
ANCHOR

NUDURA 152mm
BRICK LEDGE FORM
UNIT

NUDURA WATERPROOF
MEMBRANE LAPPED OVER THE
BRICK LEDGE FORM TO THE
DPC/FLASHING MATERIAL

NUDURA STANDARD
152mm FORM UNIT

FINISHED
CONCRETE TOPPING
AS SPECIFIED

BEAM AND BLOCK
FLOORING AS
SPECIFIED

FINISH AS SPECIFIED
FOAM REMOVED FROM
BEAM LOCATIONS ONLY
(BEARING END OF
BEAM SHOWN BEYOND)

HORIZONTAL/VERTICAL
REINFORCEMENT AS
SPECIFIED BY LOCAL
PREScriptive AND
ENGINEERING DESIGN

PLASTER BOARD

DISCLAIMER NOTICE:
SPECIFIC INFORMATION
REQUIRED FOR COMPLIANCE
WITH LOCAL CODES IS THE
RESPONSIBILITY OF THE
DESIGNER

STANDARD 152mm FORM UNIT
BLOCK AND BEAM FLOOR
CONNECTION DETAILS AT GRADE
152mm BRICK LEDGE SUB-GRADE
BRICK VENEER FINISH

NUDURA INTEGRATED BUILDING TECHNOLOGY
Building Value.
TYPICAL DETAILS CE-8

NUDURA STANDARD 152mm FORM UNIT
FINISHED CONCRETE TOPPING AS SPECIFIED
BEAM AND BLOCK FLOORING AS SPECIFIED

HORIZONTAL/VERTICAL REINFORCEMENT AS SPECIFIED BY LOCAL PRESCRIPTIVE AND ENGINEERING DESIGN

BRICK VENEER WITH 25mm AIR SPACE AND BRICK TIES AS PER CODE

DPC/FLASHING MATERIAL AND WEEP HOLES AS PER CODE

APPROVED I.C.F RENDER

NUDURA WATERPROOF MEMBRANE

FINISH AS SPECIFIED
BEAM REINFORCEMENT ANCHOR

FOAM REMOVED FROM BEAM LOCATIONS ONLY (BEARING END OF BEAM SHOWN BEYOND)

NUDURA 152mm BRICK LEDGE FORM UNIT

PLASTER BOARD

DISCLAIMER NOTICE:
SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE WITH LOCAL CODES IS THE RESPONSIBILITY OF THE DESIGNER

NUDURA INTEGRATED BUILDING TECHNOLOGY

Building Value.

Nudura 152mm Form Unit Block and Beam Floor Connection Detail at Grade Brick Veneer Finish

REV. NO. D01 KS
DRAWN BY: K. STILL
DATE: SEPT 2015
SCALE: 1 : 8
TYPICAL DETAILS CE-14

- DAMP PROOF COURSE/AIR SHIELD MEMBRANE CONTINUOUS UNDER TOP PLATE EXTENDED TO COMPLETE AIR SHIELD WITH CEILING TECHNOLOGY
- ROOF SHEATHING AS SPECIFIED
- RAFTER
- SOFFIT/FASCIA (TYPICAL)
- 38x140mm SILL PLATE ANCHORED TO CONCRETE AS PER CODE
- HORIZONTAL/VERTICAL REINFORCEMENT AS SPECIFIED BY LOCAL PRESCRIPTIVE OR ENGINEERING DESIGN
- NUDURA 152mm STANDARD FORM UNIT
- EXTERIOR FINISH AS SPECIFIED

CEILING TECHNOLOGY ANGULAR CUT AT EDGE AND SEALED TO WALL WITH NUDURA SPRAY FOAM OR EQUIVALENT

PLASTER BOARD

2 LAYERS NUDURA CEILING TECHNOLOGY

POLYETHYLENE VAPOR BARRIER (CONTINUOUS) LAPPED AND SEALED TO NUDURA FORM

28x89mm FURRING STRIP (FACTORY EMBEDDED) 400mm ON CENTRE

150mmx150mm AIR SHIELD MEMBRANE

PLASTER BOARD

DISCLAIMER NOTICE: SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE WITH LOCAL CODES IS THE RESPONSIBILITY OF THE DESIGNER

NUDURA INTEGRATED BUILDING TECHNOLOGY

Building Value.

STANDARD 152mm FORM UNIT ROOF RAFTER DETAIL AT TOP PLATE DAMP PROOF COURSES EXTERIOR FINISH AS SPECIFIED

TED/NO. 001 KS
ENG NO. CE-14

REV. DATE: SEPT 2015
DRAWN BY K. STILL
SCALE: 1:8