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

INSTALLATION MANUAL

NUDURA® INTEGRATED BUILDING TECHNOLOGY

Building Value

DISCLAIMER NOTICE:
SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE WITH LOCAL CODES IS THE RESPONSIBILITY OF THE DESIGNER.
TYPICAL CROSS SECTIONS B-2

TYPICAL 1 OR 2 STORY WOOD FRAMED WALL AND ROOF ASSEMBLY AS PER CODE

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

ANCHOR BOLTS INSTALLED AS PER CODE

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" (150mm) 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" (150mm) CONCRETE BASEMENT WALL PLUS 1 OR 2 STORY FRAME WALL (BRICK VENEER FINISH & PREVAILING SITE CONDITIONS)

SIAR ASSEMBLY

3" (75mm) CONCRETE FLOOR

2 1/2" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8" (200mm) CLEAR STONE

WOOD FLOOR SYSTEM AS SPECIFIED

BELOW GRADE TABLES

WALL HEIGHT AS PER APP. "Y"

BELOW GRADE TABLES

WALL HEIGHT AS PER APP. "Y"
DISCLAIMER NOTICE:
SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE
WITH LOCAL CODES IS THE
RESPONSIBILITY OF THE
DESIGNER

PRE-ENGINEERED ROOF TRUSS OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

3" (13mm) GYPSUM BOARD

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

CONTINUOUS 4" (100mm)
ROUND PERFORATED DRAIN TILE
COVERED WITH 8" (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)

BUILDING SECTION
BASEMENT 8" (152mm) FORM UNIT
1 STORY 6" (152mm) FORM UNIT
NON-BRICK FINISH

NUDURA
INTEGRATED BUILDING TECHNOLOGY
Building Value
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

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS
PER CODE. FOOTING SIZE AS PER CODE FOR 8" (152mm)
CONCRETE BASEMENT WALL PLUS ONE STORY MASONRY OR
CONCRETE WALL (BRICK VENEER FINISH & PREVAILING SITE
CONDITIONS)

*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

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

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
BASEMENT 8" (152mm) FORM UNIT
1 STORY 8" (152mm) FORM UNIT
BRICK VENEER FINISH

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” (76mm) GYPSUM BOARD

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

3” (76mm) GYPSUM BOARD

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

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

3” (76mm) 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

WALL HEIGHTS AS PER APP. ‘T’ ABOVE GRADE TABLES

WALL HEIGHT AS PER APP. ‘T’ BELOW GRADE TABLES

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

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

NUDURA®
INTEGRATED BUILDING TECHNOLOGY
Building Value

BUILDING SECTION
BASEMENT 6” (152mm) FORM UNIT
2 STORY 6” (152mm) FORM UNIT
NON-BRICK FINISH

REV. NO. 005 KS
REV. DATE SEPT 2015
DRAWN BY J.N / N.L
CODE: "Not to Scale"
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 'C' FOR ABOVE GRADE

1/2" (13mm) GYPSUM BOARD

MINIMUM 8" (150mm) BELOW GRADE OF ACRYLIC FARGE 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 'C' 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

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 1/4" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8" (200mm) CLEAR STONE

BUILDING SECTION

BASEMENT 8" (152mm) FORM UNIT
2 STORY 8" (152mm) FORM UNIT
BRICK VENEER FINISH

DRAWN BY: J.N. / N.L.

NOTE: NOT TO SCALE
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

3/8" (13mm) GYPSUM BOARD

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

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

3/8" (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 8" (150mm) CRUSHED GRANULAR AS PER CODE

DETAIL-06

DETAIL-01

DETAIL-09

SIMILAR w/4" (102mm) FORM UNIT

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

WALL HEIGHT AS PER APP. 'D'

ABOVE GRADE TABLES

WALL HEIGHT AS PER APP. 'D'

BELOW GRADE TABLES

WOOD FLOOR SYSTEM AS SPECIFIED

SLAB ASSEMBLY

3" (75mm) CONCRETE FLOOR

2 1/4" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8" (200mm) CLEAR STONE

CONTINUOUS CONCRETE FOOTING ON UNDISTURBED SOIL AS PER CODE, FOOTING SIZE AS PER CODE FOR 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

BASEMENT 6" (152mm) FORM UNIT 1 STORY 4" (102mm) FORM UNIT NO-BRICK FINISH

REV. NO. 005 KS  
REV. DATE SEPT 2015

DESIGN BY J.N / N.L

SHEET: "Not to Scale"

NUDURA®
INTEGRATED BUILDING TECHNOLOGY
Building Value
TYPICAL CROSS SECTIONS B-8

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 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 8\" (150mm) CRUSHED GRANULAR AS PER CODE

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 \frac{1}{2}\" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8\" (200mm) CLEAR STONE

WALL HEIGHT AS PER APP. 'D'

BETWEEN GRADE TABLES

WALL HEIGHTS AS PER APP. 'D'

ABOVE GRADE TABLES

DETAIL-C9

SIMILAR \frac{3}{4}\" (102mm) FORM UNIT

DETAIL-C4

SIMILAR \frac{3}{4}\" (102mm) FORM UNIT

DETAIL-C6

DETAIL-C1

DETAIL-C1

DETAIL-C1

*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1\" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 10\" (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

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 PARGE 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

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

WALL HEIGHT AS PER APP. 'D'

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

WALL HEIGHT AS PER APP. 'D'

BETWEEN GRADE TABLES

WOOD FLOOR SYSTEM AS SPECIFIED

SHAKED HEIGHT

BETWEEN GRADE TABLES

NOTES:

*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 6'0" (2440mm) PER STORY

NUDURA®
INTEGRATED BUILDING TECHNOLOGY
Building Value

DISCLAIMER NOTICE:
SPECIFIC INFORMATION REQUIRED FOR COMPLIANCE WITH LOCAL CODES IS THE RESPONSIBILITY OF THE DESIGNER.
TYPICAL CROSS SECTIONS B-10

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

3/8" (13mm) GYPSUM BOARD

NUDURA 4" (102mm) FORM-HORZ/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 PAINTED COAT

GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/WATERPROOFING MEMBRANE

3/8" (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 8" (203mm) 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

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

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 1/4" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)

8" (200mm) CLEAR STONE

DETAIL-C1 SIMILAR w/ 8" (203mm) FORM UNIT

WALL HEIGHT AS PER APP. 'D'

BELOW GRADE TABLES

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)

BUILDING SECTION

BASEMENT 8" (203mm) FORM UNIT

2 STORY 4" (102mm) FORM UNIT NON-BRICK FINISH

DRAWN BY: J.N / N.L

"Not to Scale"
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 PARGE COAT
GRADE MINIMUM 2% SLOPE

NUDURA DAMPROOFING/ WATERPROOFING MEMBRANE

1/2” (13mm) GYPSUM BOARD

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA B” (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” (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

WALL HEIGHT AS PER APP. "D"
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

BAYFILL HEIGHT

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

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

NUDURA® INTEGRATED BUILDING TECHNOLOGY

Building Value

I N S T A L L A T I O N M A N U A L

155
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" (13mm) GYPSUM BOARD

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

GRADE MINIMUM 2% SLOPE

EXISTING SOIL

BACKFILL SOIL AS PER CODE

NUDURA 8" (162mm) 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

"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.

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)

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
1 STORY 6" (152mm) FORM UNIT NON-BRICK FINISH

NUDURA® INTEGRATED BUILDING TECHNOLOGY
Building Value

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

3/4" (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

BUILDING SECTION
6" (152mm) FORM FIRST WALL SLAB ON GRADE
1 STORY 6" (152mm) FORM UNIT BrICK VENEER FINISH

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

SLAB ASSEMBLY
3" (75mm) CONCRETE FLOOR
2 1/2" (64mm) NUDURA FLOOR TECHNOLOGY (OPTIONAL)
8" (200mm) CLEAR STONE
TYPICAL CROSS SECTIONS B-15

PRE-ENGINEERED ROOF TRUSSES OR RAFTERS AS PER CODE

EXTERIOR FINISH AS SPECIFIED

1/4” (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 SHALL BE IDENTICAL TO
ABOVE GRADE WALL REINFORCING
FOR FIRST STORY

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 & PREVALING 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

NUDURA®
INTEGRATED BUILDING TECHNOLOGY
Building Value

BUILDING SECTION
6” (152mm) FORM FOOT WALL
SLAB ON GRADE
2 STORY 6” (152mm) FORM UNIT
NON-BRICK FINISH

REV. NO.
007-KS

REV. DATE
SEPT 2015

S/L: K. STILL
"Not to Scale"
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

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 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

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

TYPICAL CROSS SECTIONS B-16