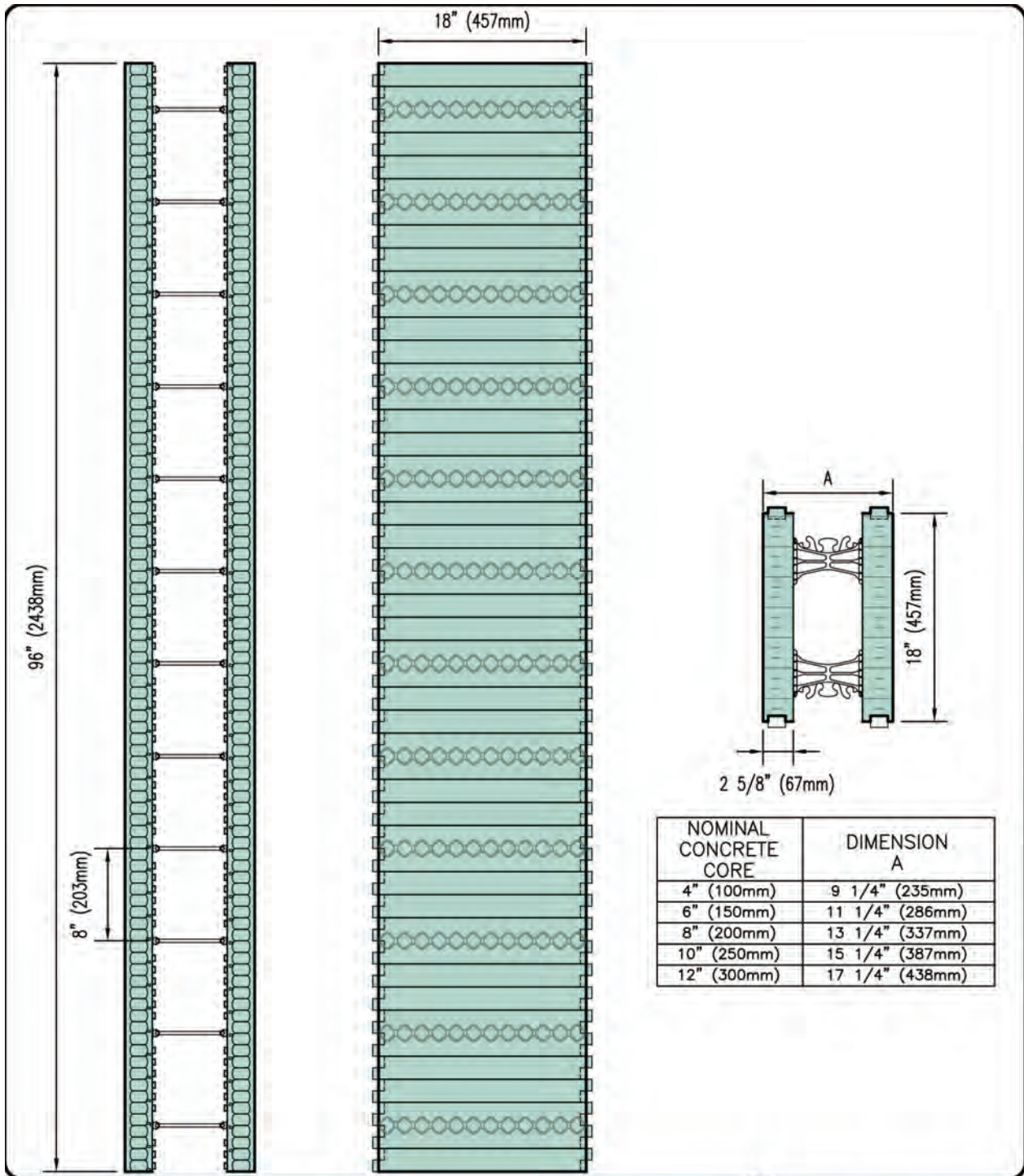


# NUDURA FORM UNITS A-1



NUDURA  
STANDARD FORM UNIT

REV. NO.  
005 KS

REV. DATE:  
SEPT 2014

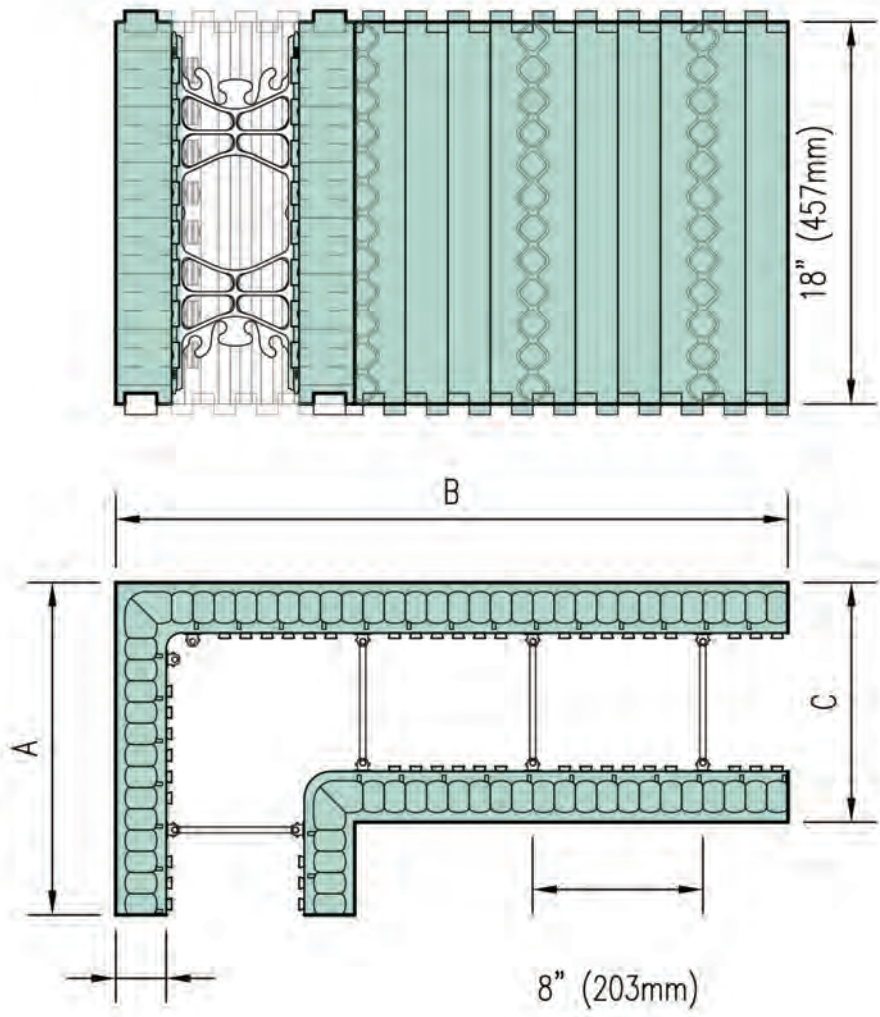
DRAWN BY:  
J.N / N.L

DWG NO.

A-1

SCALE:  
"Not to Scale"

# NUDURA FORM UNITS A-2



2 5/8" (67mm)

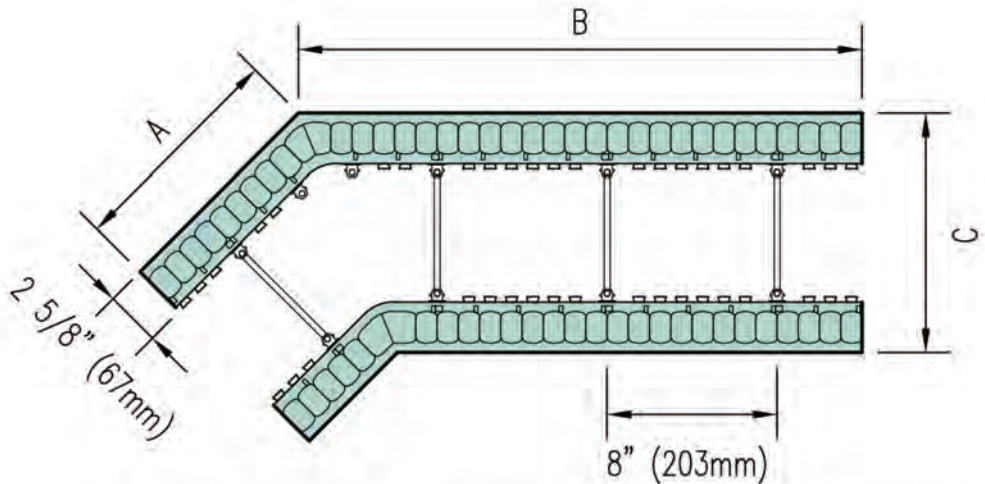
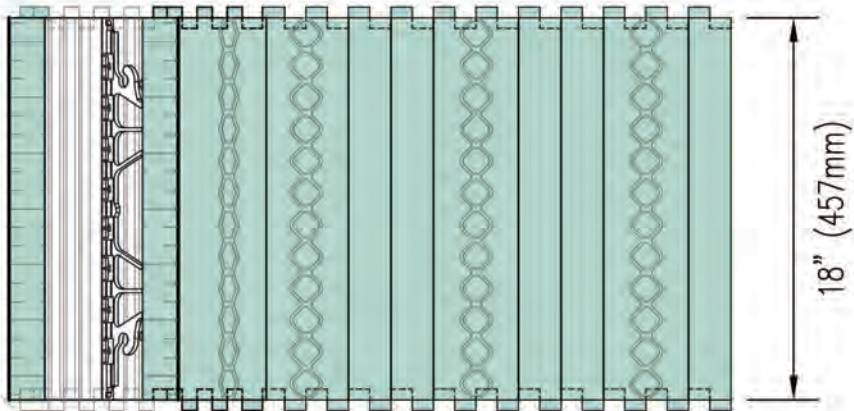
NOMINAL CONCRETE CORE	DIMENSION		
	A	B	C
4" (100mm)	15 5/8" (397mm)	31 5/8" (803mm)	9 1/4" (235mm)
6" (150mm)	15 5/8" (397mm)	31 5/8" (803mm)	11 1/4" (286mm)
8" (200mm)	17 5/8" (448mm)	33 5/8" (854mm)	13 1/4" (337mm)
10" (250mm)	19 5/8" (498mm)	35 5/8" (905mm)	15 1/4" (387mm)
12" (300mm)	21 5/8" (549mm)	37 5/8" (956mm)	17 1/4" (438mm)



NUDURA  
90° FORM UNIT

REV. NO. 003 KS	DWG NO. A-2
REV. DATE: SEPT 2014	
DRAWN BY: J.N / N.L	SCALE: "Not to Scale"

# NUDURA FORM UNITS A-3



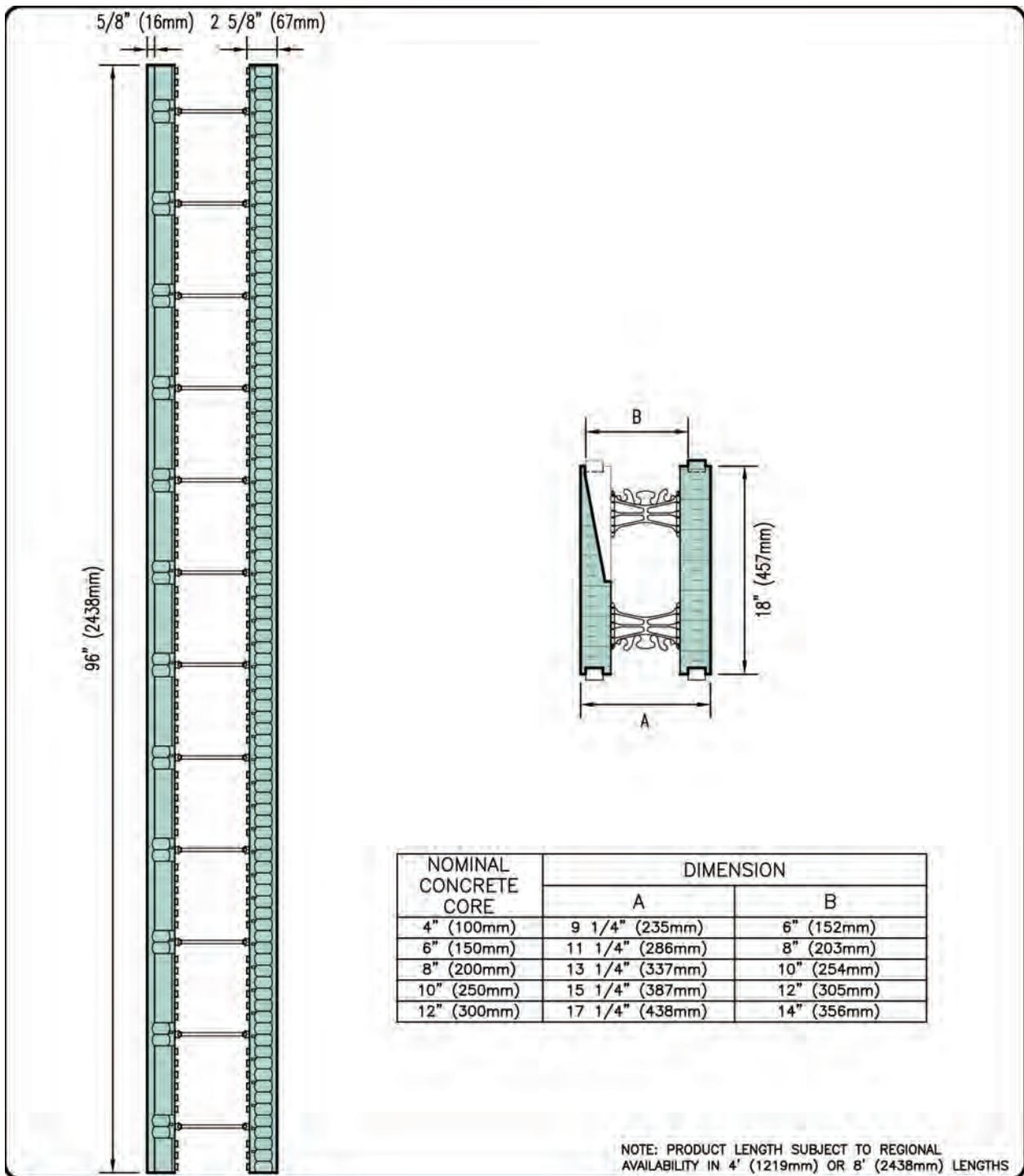
NOMINAL CONCRETE CORE	DIMENSION		
	A	B	C
4" (100mm)	10 1/2" (267mm)	26 1/2" (673mm)	9 1/4" (235mm)
6" (150mm)	10 1/2" (267mm)	26 1/2" (673mm)	11 1/4" (286mm)
8" (200mm)	10 1/2" (267mm)	26 1/2" (673mm)	13 1/4" (337mm)
10" (250mm)	12 1/2" (318mm)	28 1/2" (724mm)	15 1/4" (387mm)
12" (300mm)	14 1/2" (368mm)	30 1/2" (775mm)	17 1/4" (438mm)



NUDURA  
45° FORM UNIT

REV. NO. 005 KS	DWG NO. A-3
REV. DATE: SEPT 2014	
DRAWN BY: J.N / N.L	SCALE: "Not to Scale"

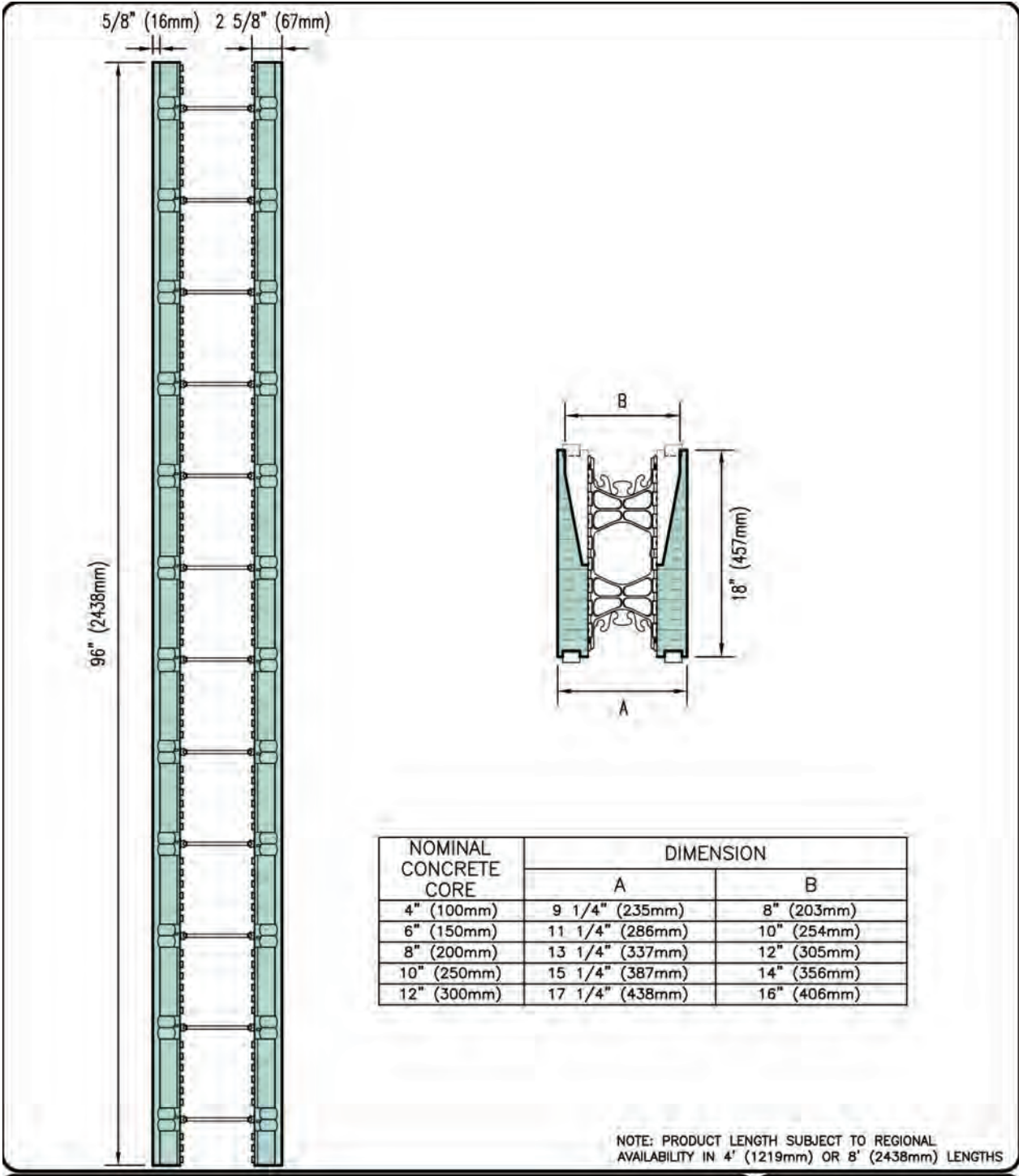
# NUDURA FORM UNITS A-4



**NUDURA**  
INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*

NUDURA TAPER TOP FORM UNIT	
REV. NO. 005 KS	DWG NO. A-4
REV. DATE: SEPT 2014	
DRAWN BY: J.N / N.L	SCALE: "Not to Scale"

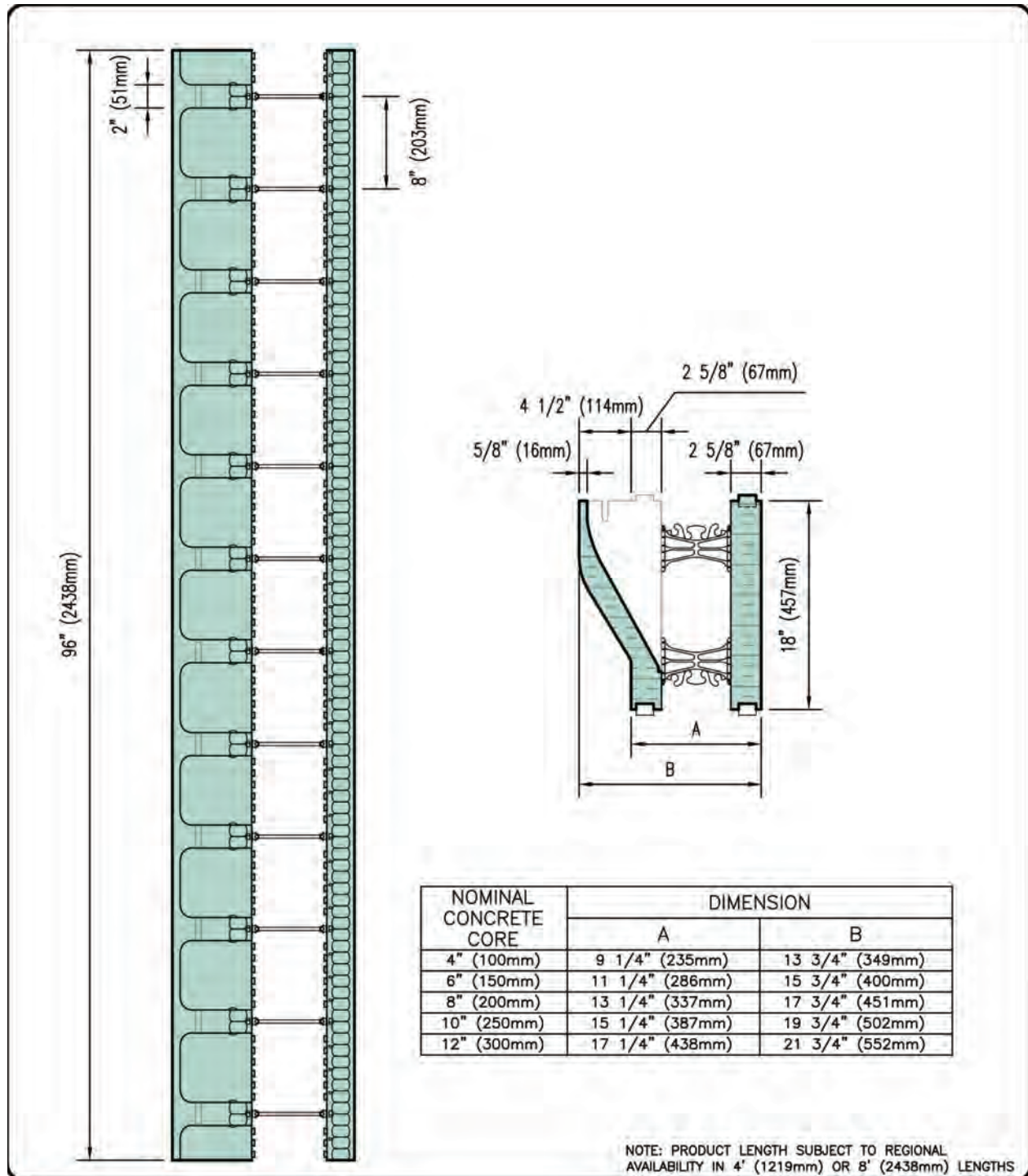
# NUDURA FORM UNITS A-5



**NUDURA**  
INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*

REV. NO. 005 KS		DWG NO. A-5	
REV. DATE: SEPT 2014			
DRAWN BY: J.N / N.L		SCALE: "Not to Scale"	

# NUDURA FORM UNITS A-6



NUDURA  
BRICK LEDGE FORM UNIT

REV. NO.  
004 KS

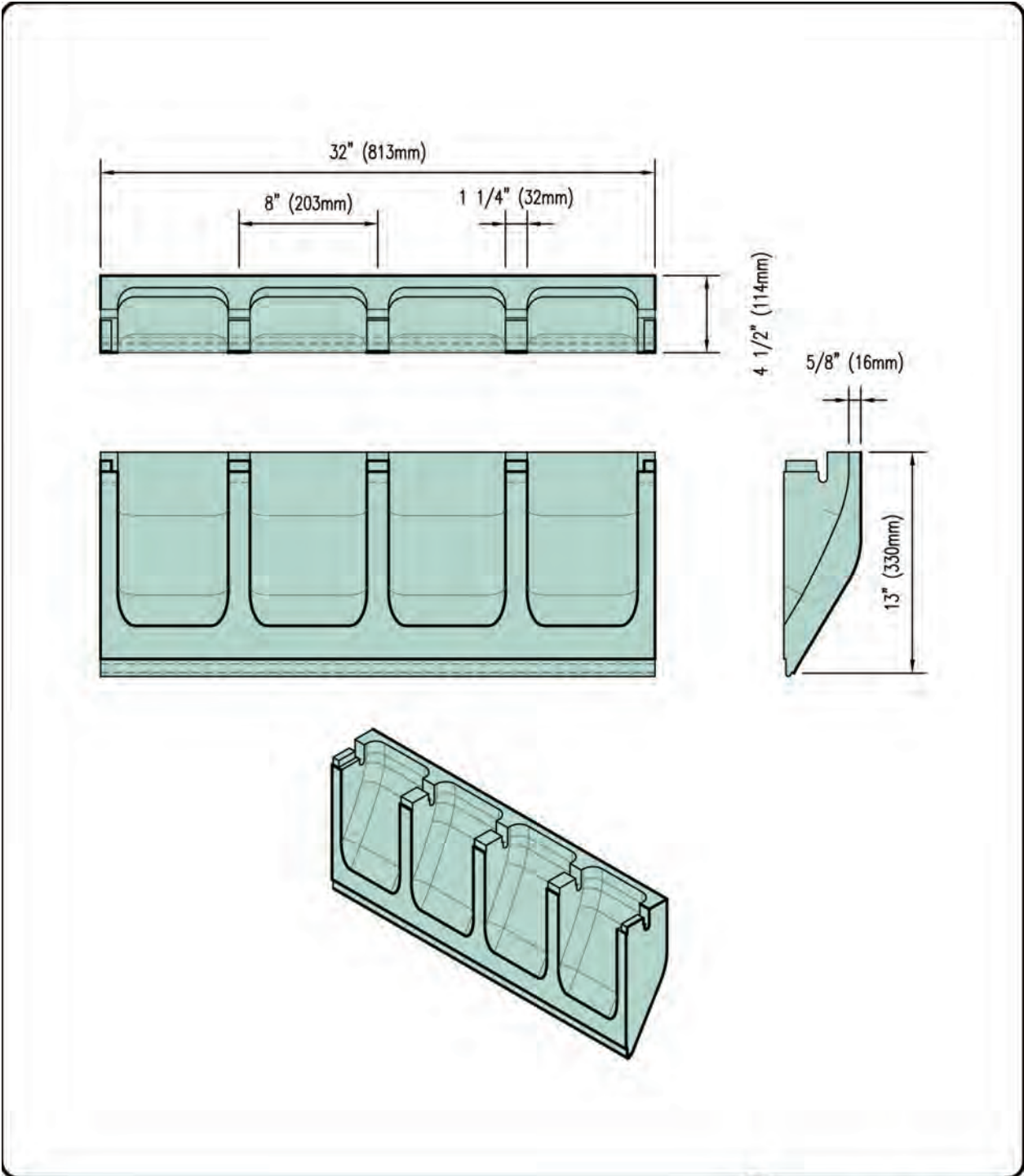
DWG NO.

A-6

REV. DATE:  
SEPT 2014

DRAWN BY:  
J.N / N.L

SCALE:  
"Not to Scale"



**NUDURA**  
 INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*

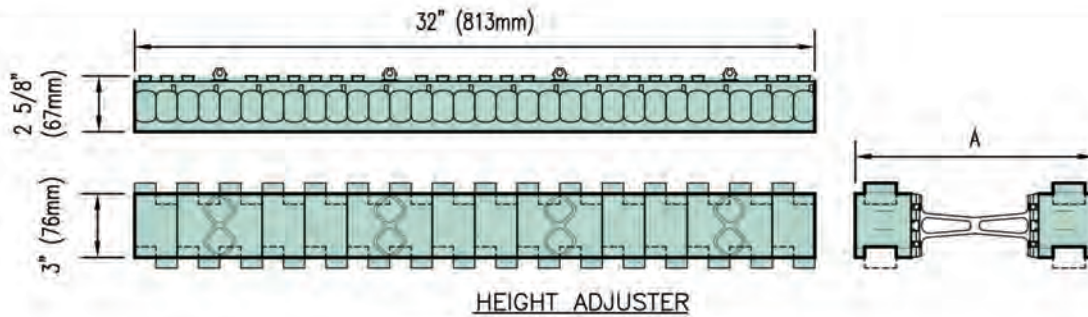
NUDURA  
 BRICK LEDGE EXTENSION

REV. NO.  
 004 KS  
 DATE:  
 MAY 2012  
 DRAWN BY:  
 J.N / N.L.

DWG NO.  
 A-7  
 SCALE:  
 "Not to Scale"

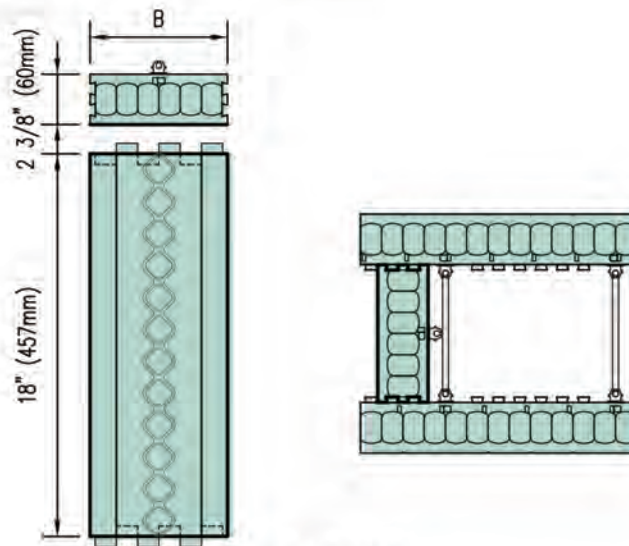


# NUDURA FORM UNITS A-8



HEIGHT ADJUSTER

NOMINAL CONCRETE CORE	DIMENSION A
4" (100mm)	9 1/4" (235mm)
6" (150mm)	11 1/4" (286mm)
8" (200mm)	13 1/4" (337mm)
10" (250mm)	15 1/4" (387mm)
12" (300mm)	17 1/4" (438mm)



END CAP

NOMINAL CONCRETE CORE	DIMENSION B
	B
4" (100mm)	4 1/2" (114mm)
6" (150mm)	6 1/2" (165mm)
8" (200mm)	8 1/2" (216mm)
10" (250mm)	10 1/2" (267mm)
12" (300mm)	12 1/2" (318mm)



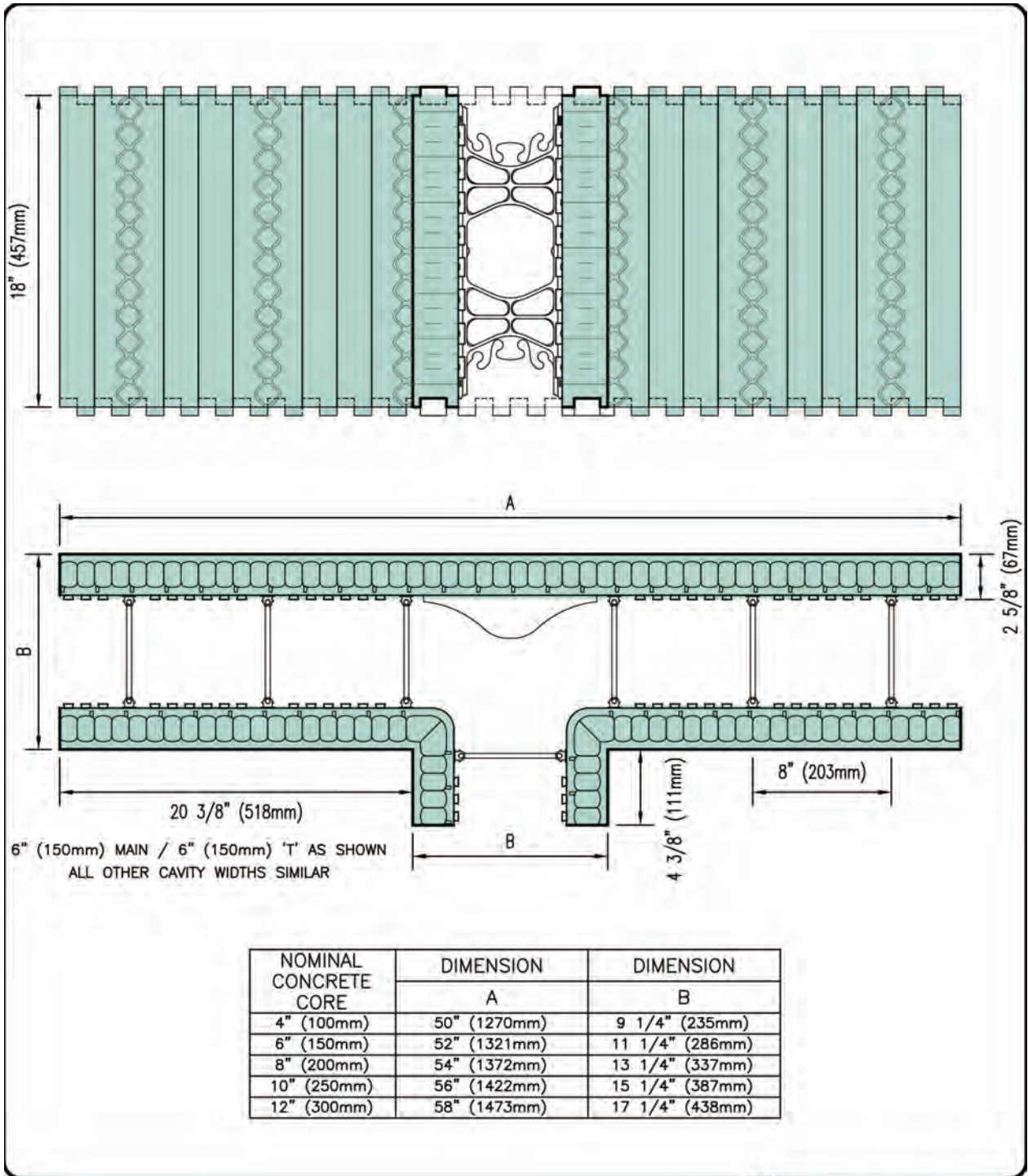
NUDURA  
HEIGHT ADJUSTER  
AND END CAP

REV. NO.  
003 KS  
DATE:  
MAY 2012  
DRAWN BY:  
J.N / N.L

DWG NO.  
A-8  
SCALE:  
"Not to Scale"

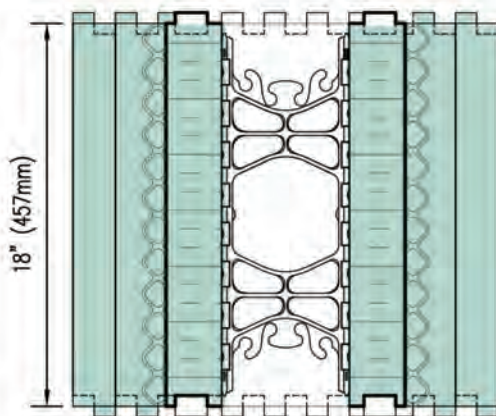


# NUDURA FORM UNITS A-9

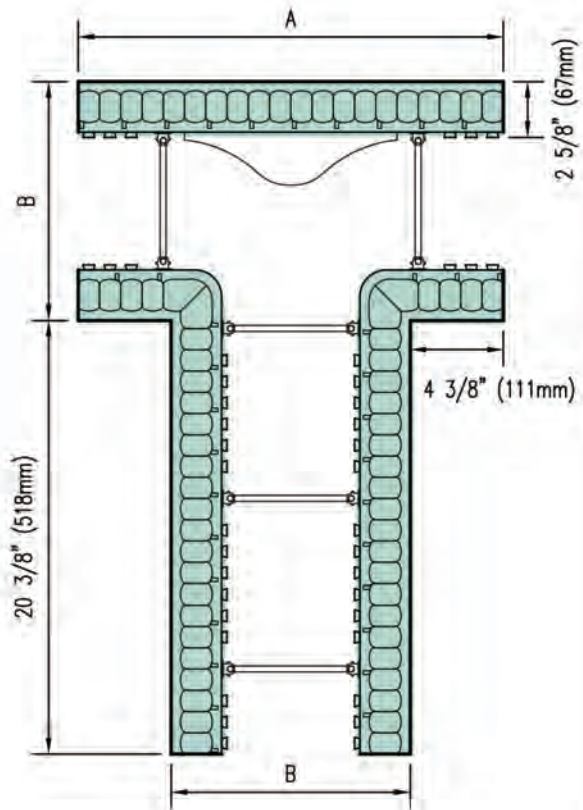


REV. NO. 004 KS		DWG NO. A-9	
DATE: SEPT 2014		SCALE: "Not to Scale"	
DRAWN BY: J.N / N.L			

# NUDURA FORM UNITS A-10



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



NOMINAL CONCRETE CORE	DIMENSION	
	A	B
4" (100mm)	18" (457mm)	9 1/4" (235mm)
6" (150mm)	20" (508mm)	11 1/4" (286mm)
8" (200mm)	22" (559mm)	13 1/4" (337mm)
10" (250mm)	24" (610mm)	15 1/4" (387mm)
12" (300mm)	26" (660mm)	17 1/4" (438mm)



NUDURA  
T FORM UNIT  
LONG "T"

REV. NO.  
004 KS

DWG NO.

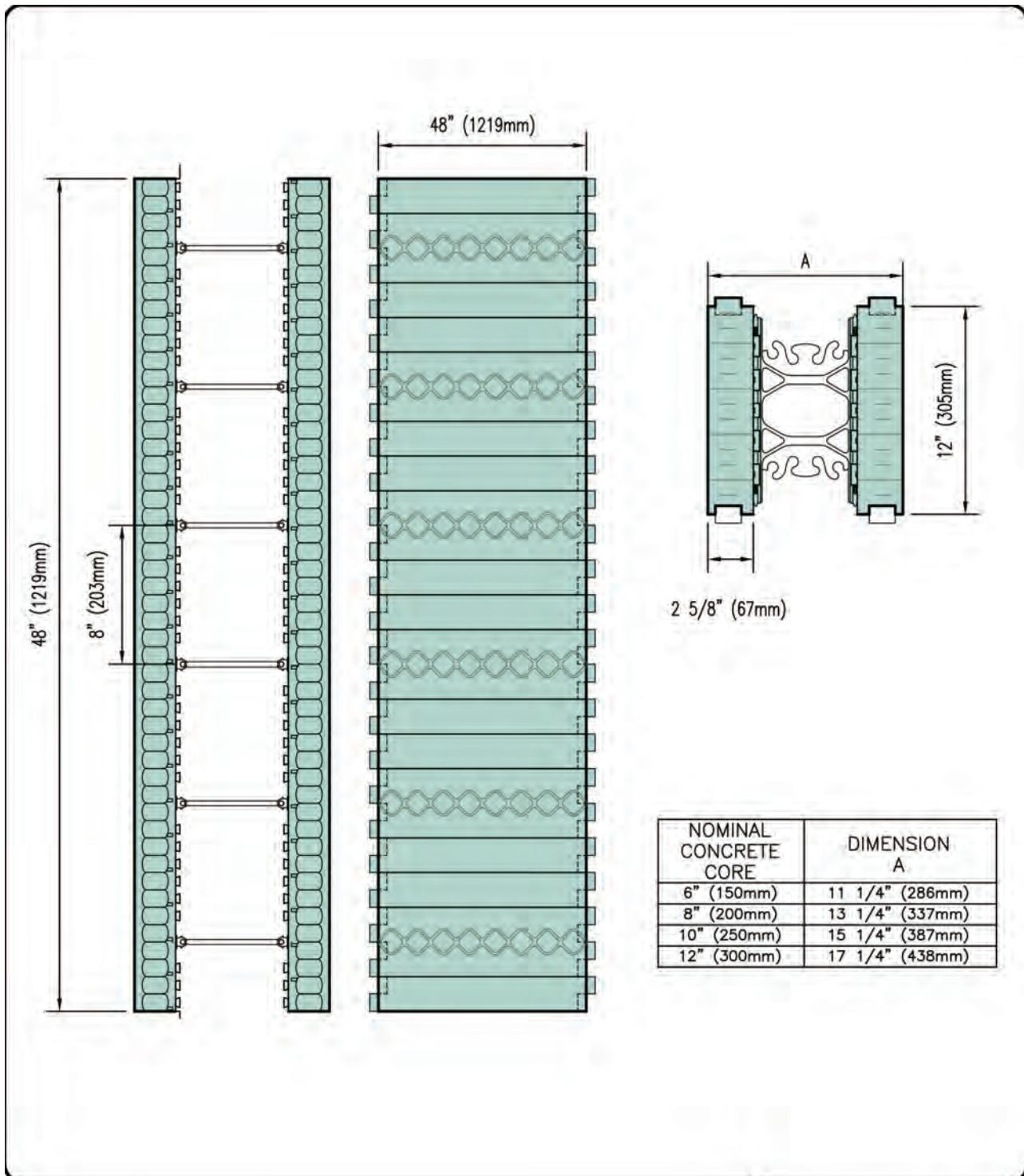
DATE:  
SEPT 2014

A-10

DRAWN BY:  
J.N / N.L

SCALE:  
"Not to Scale"

# NUDURA FORM UNITS A-11



NUDURA  
OPTIMIZER FORM UNIT

REV. NO. 000	DWG NO. A-11
REV. DATE: OCT 2014	
DRAWN BY:	SCALE:





## 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

Association of Professional Engineers & Geoscientists  
of Saskatchewan

**CERTIFICATE OF AUTHORIZATION**

**Tacoma Engineers Inc.**  
Number 21043

Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
STRUCTURAL	21049	<i>[Signature]</i>



**APEGM**

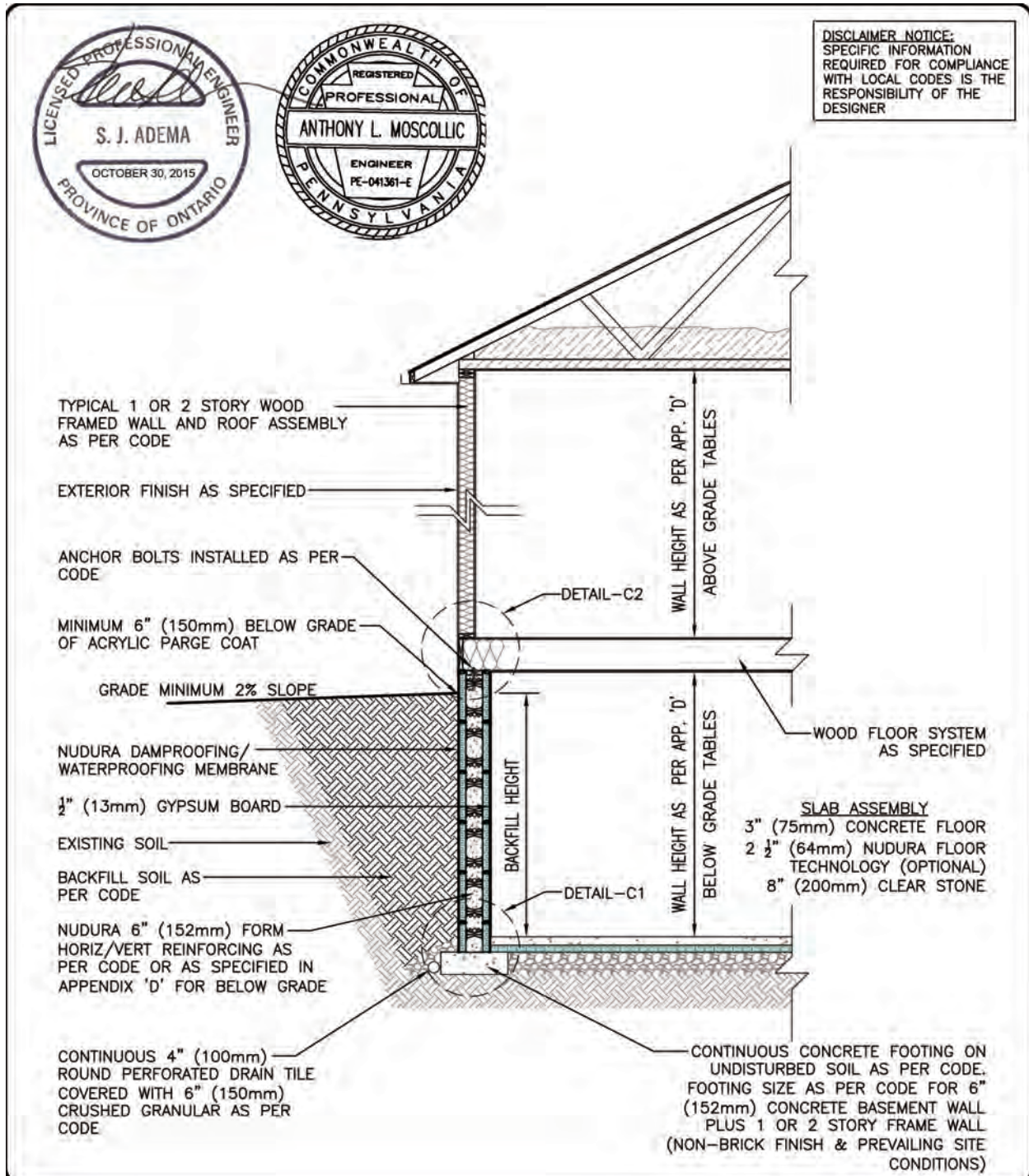
Certificate of Authorization

**Tacoma Engineers Inc.**  
TE-26987-15  
15/11/06

No. 4995 Date: 15/11/06



# TYPICAL CROSS SECTIONS B-1



BUILDING SECTION  
BASEMENT 6" (152mm) FORM UNIT  
1 OR 2 STORY WOOD FRAME  
NON-BRICK FINISH

REV. NO.  
007 KS

DWG NO.

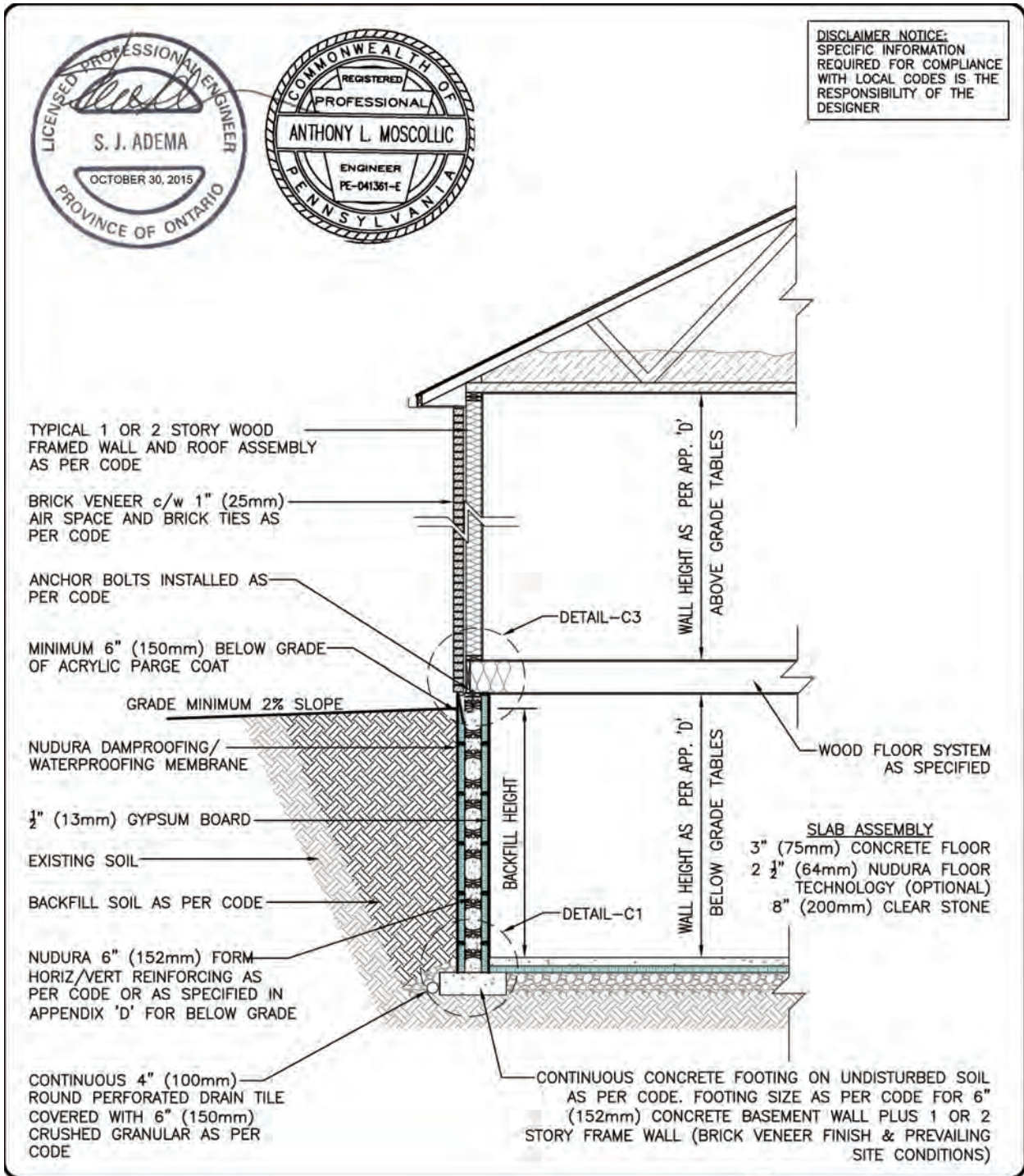
REV. DATE:  
SEPT 2015

B-1

DRAWN BY  
J.N / N.L.

SCALE:  
"Not to Scale"

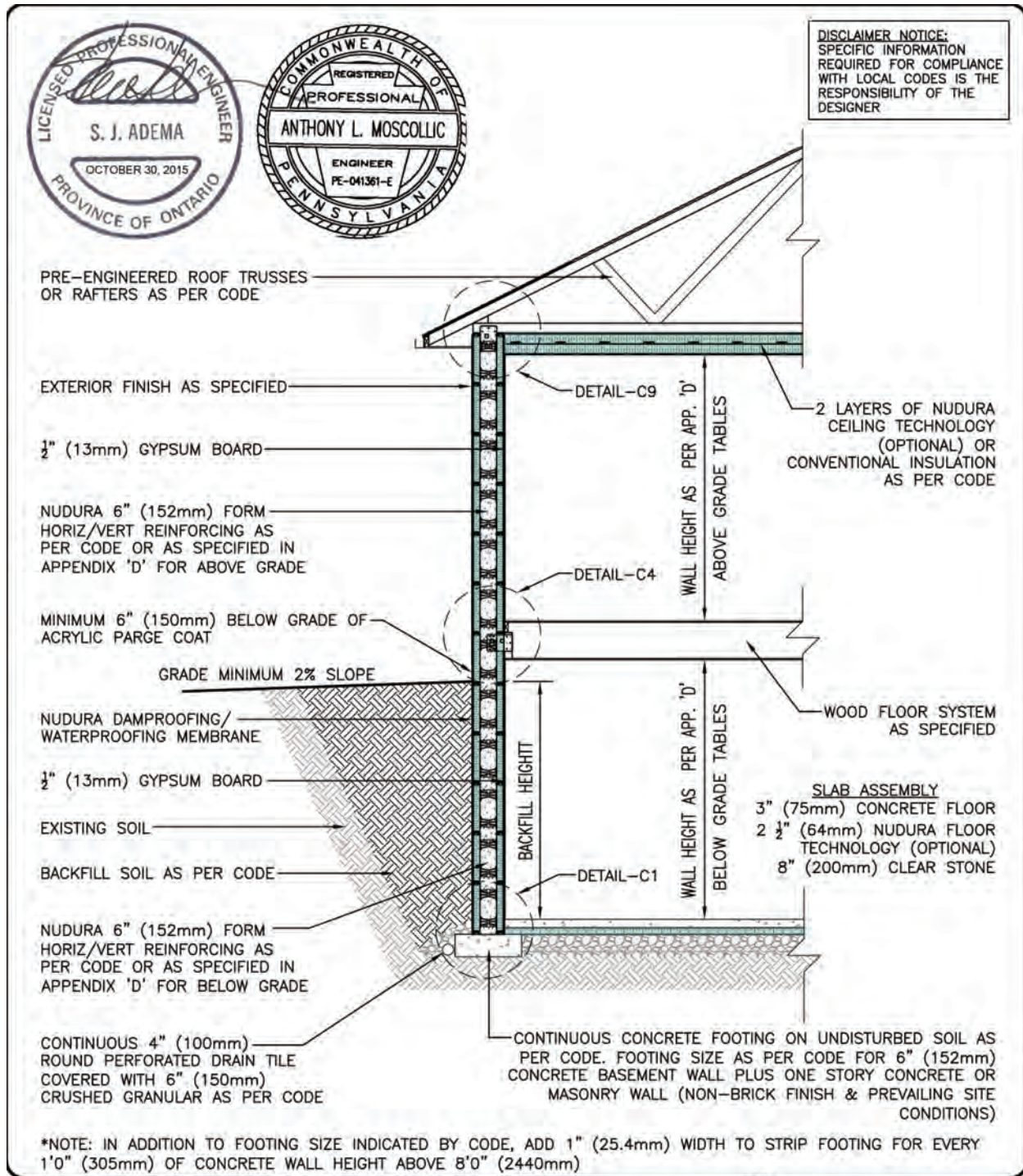
# TYPICAL CROSS SECTIONS B-2



BUILDING SECTION  
BASEMENT 6" (152mm) FORM UNIT  
1 OR 2 STORY WOOD FRAME  
BRICK VENEER FINISH

REV. NO. 006 KS	DWG NO. B-2
REV. DATE: SEPT 2015	
DRAWN BY: J.N / N.L	SCALE: "Not to Scale"

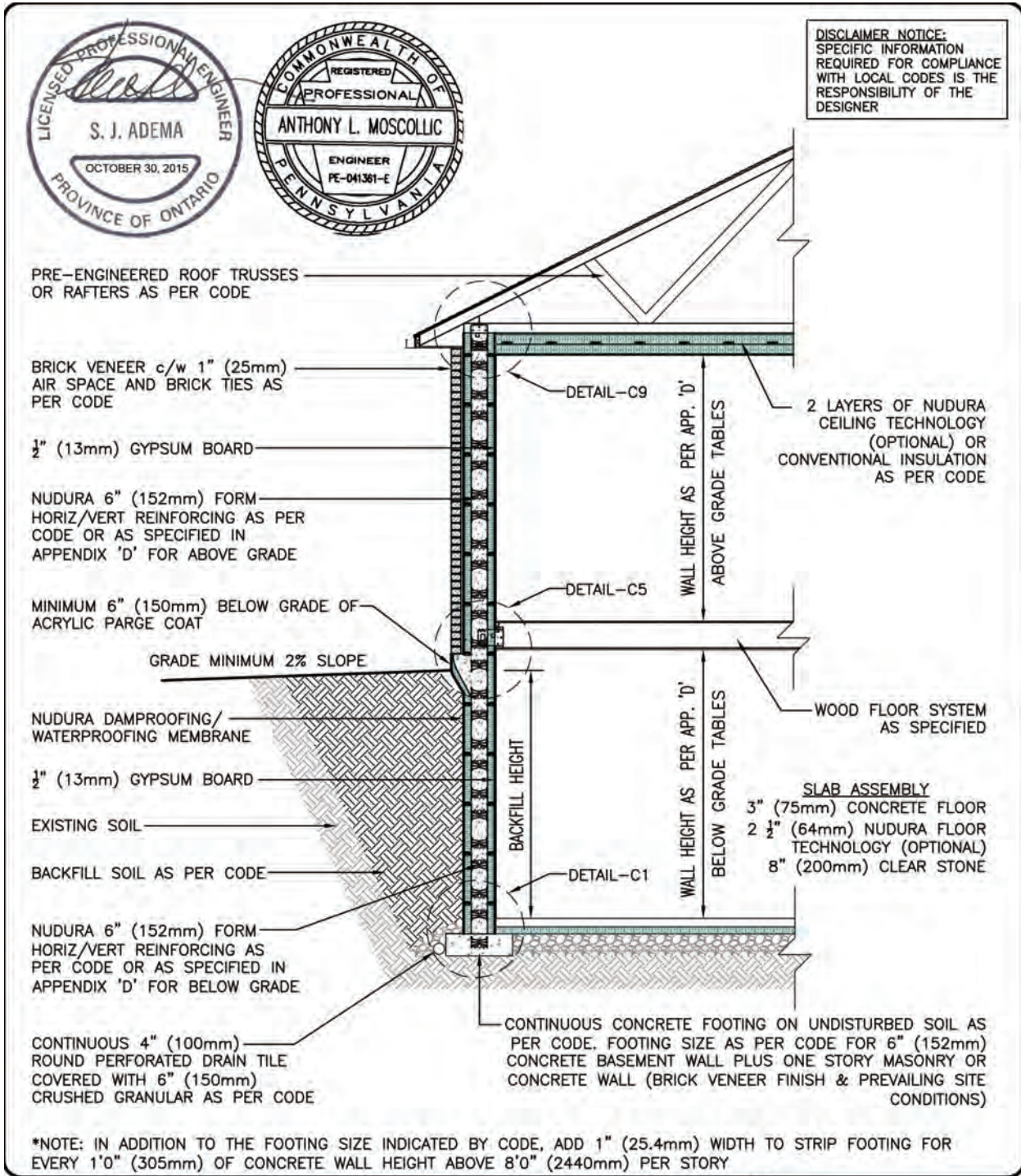
# TYPICAL CROSS SECTIONS B-3



BUILDING SECTION BASEMENT 6" (152mm) FORM UNIT 1 STORY 6" (152mm) FORM UNIT NON-BRICK FINISH	
REV. NO. 006 KS	DWG NO. B-3
REV. DATE: SEPT 2015	
DRAWN BY: J.N / N.L.	SCALE: "Not to Scale"



# TYPICAL CROSS SECTIONS B-4



BUILDING SECTION  
BASEMENT 6" (152mm) FORM UNIT  
1 STORY 6" (152mm) FORM UNIT  
BRICK VENEER FINISH

REV. NO.  
005 KS

REV. DATE  
SEPT 2015

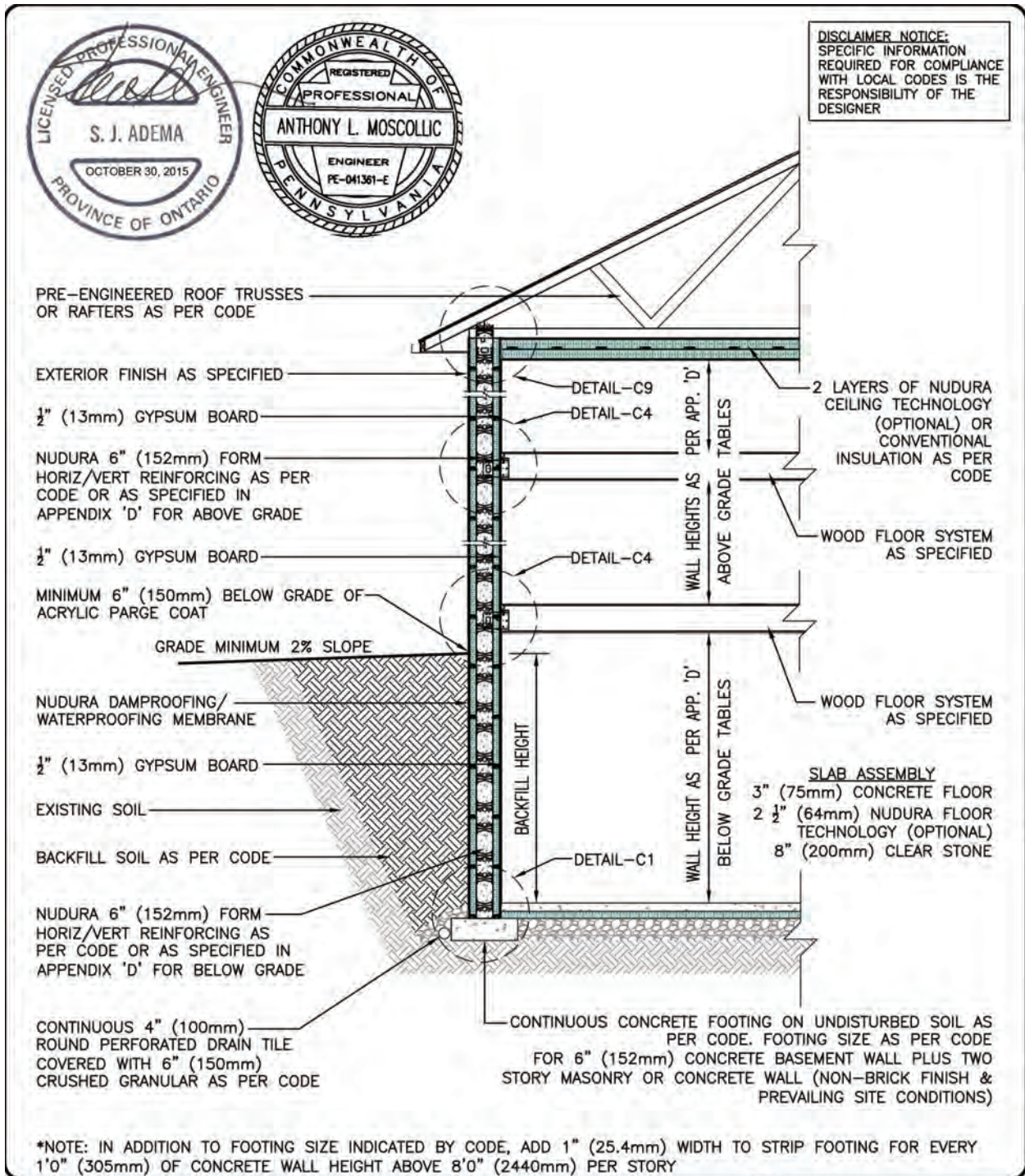
DRAWN BY  
J.N. / N.L.

DWG NO.

B-4

SCALE:  
"Not to Scale"

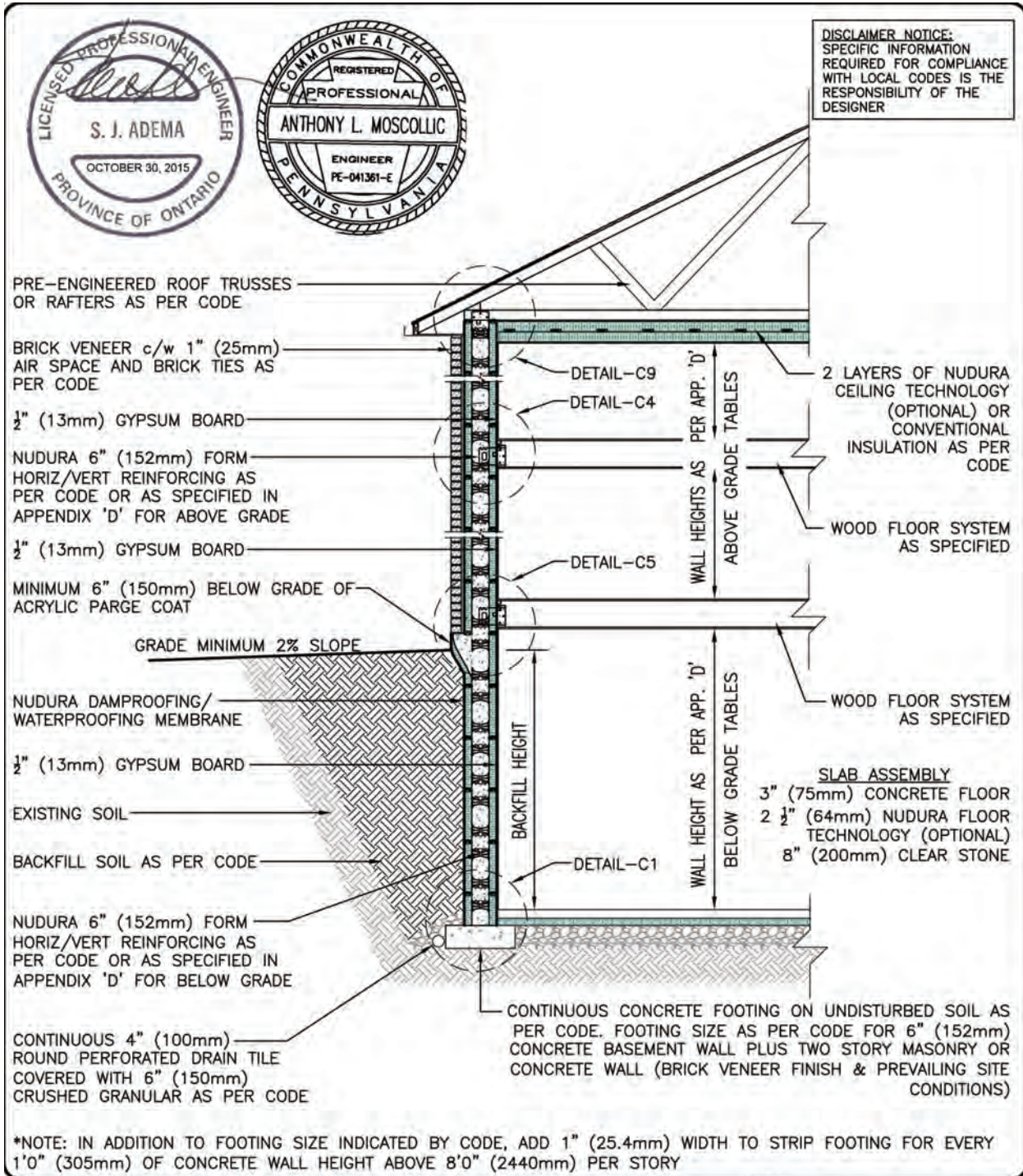
# TYPICAL CROSS SECTIONS B-5



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

REV. NO. 005 KS	DWG NO. B-5
REV. DATE: SEPT 2015	
DRAWN BY: J.N / N.L	SCALE: "Not to Scale"

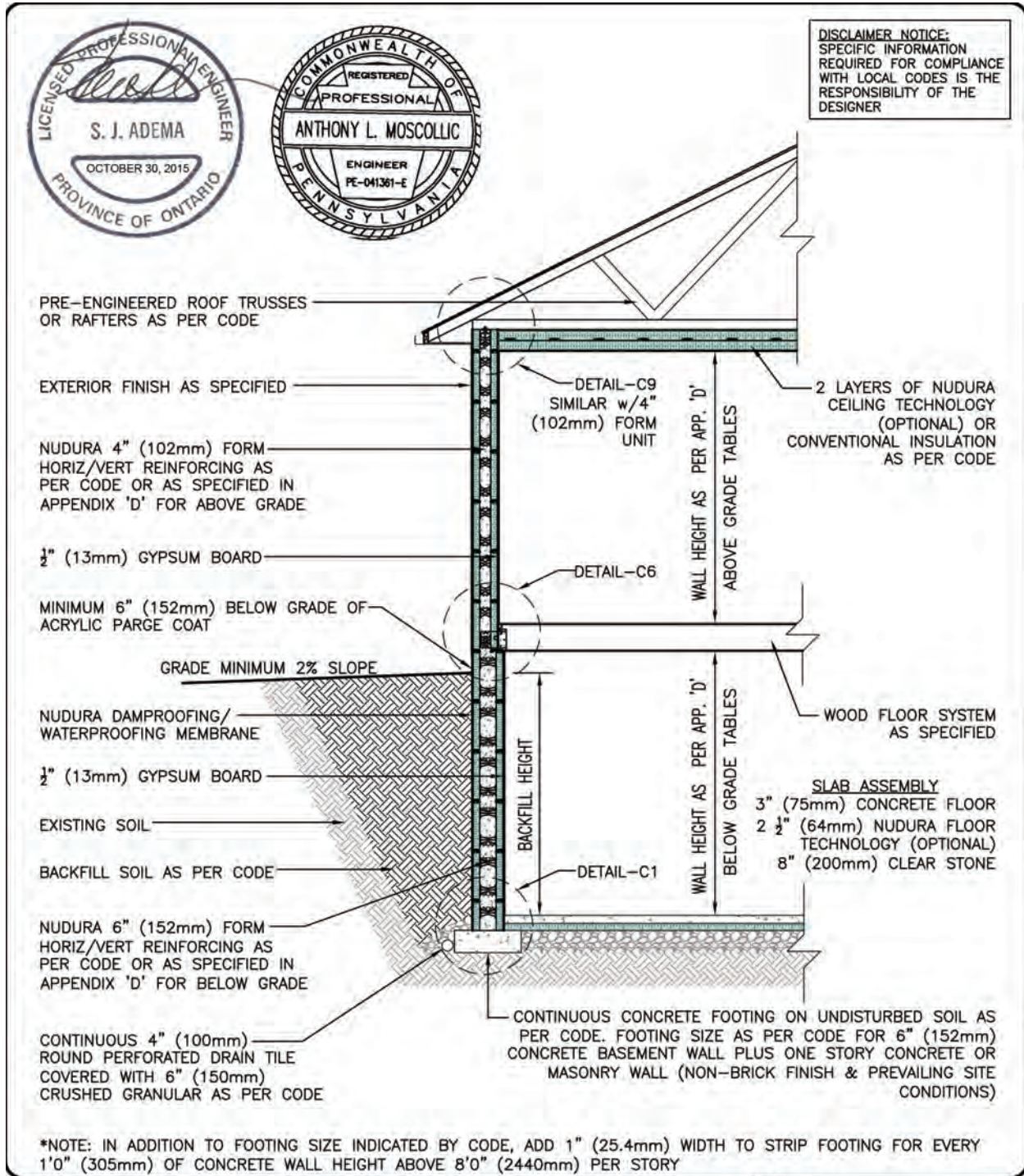
# TYPICAL CROSS SECTIONS B-6



BUILDING SECTION  
BASEMENT 6" (152mm) FORM UNIT  
2 STORY 6" (152mm) FORM UNIT  
BRICK VENEER FINISH

REV. NO. 005 KS	DWG. NO. B-6
REV. DATE: SEPT 2015	
DRAWN BY: J.N / N.L.	SCALE: "Not to Scale"

# TYPICAL CROSS SECTIONS B-7



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

REV. NO.  
005 KS

REV. DATE:  
SEPT 2015

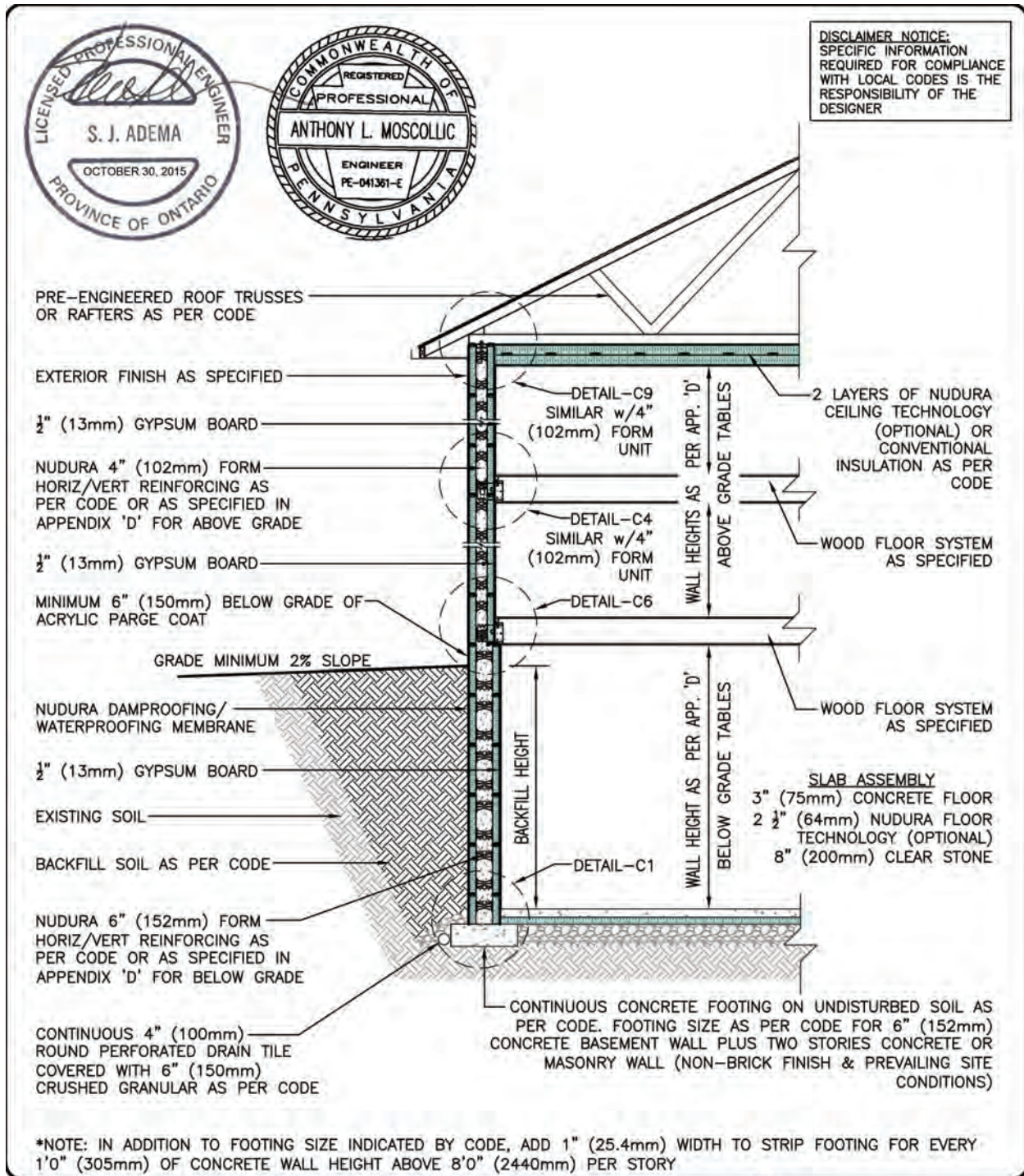
DRAWN BY:  
J.N / N.L

DWG NO.

B-7

SCALE:  
"Not to Scale"

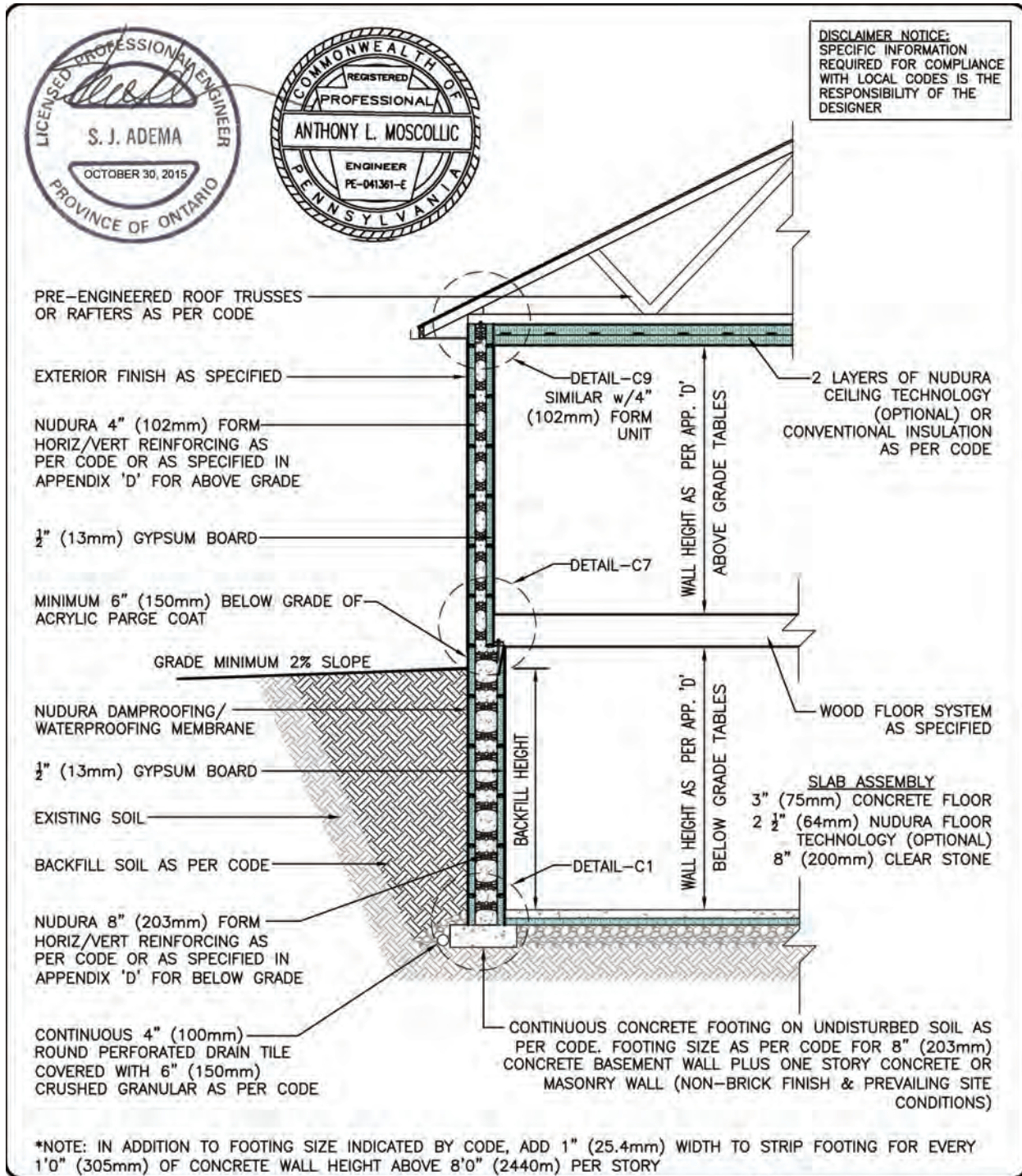
# TYPICAL CROSS SECTIONS B-8



**NUDURA**  
INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*

BUILDING SECTION BASEMENT 6" (152mm) FORM UNIT 2 STORY 4" (102mm) FORM UNIT NON-BRICK FINISH	
REV. NO. 005 KS	DWG NO. B-8
REV. DATE: SEPT 2015	
DRAWN BY J.N /N.L	SCALE: "Not to Scale"

# TYPICAL CROSS SECTIONS B-9

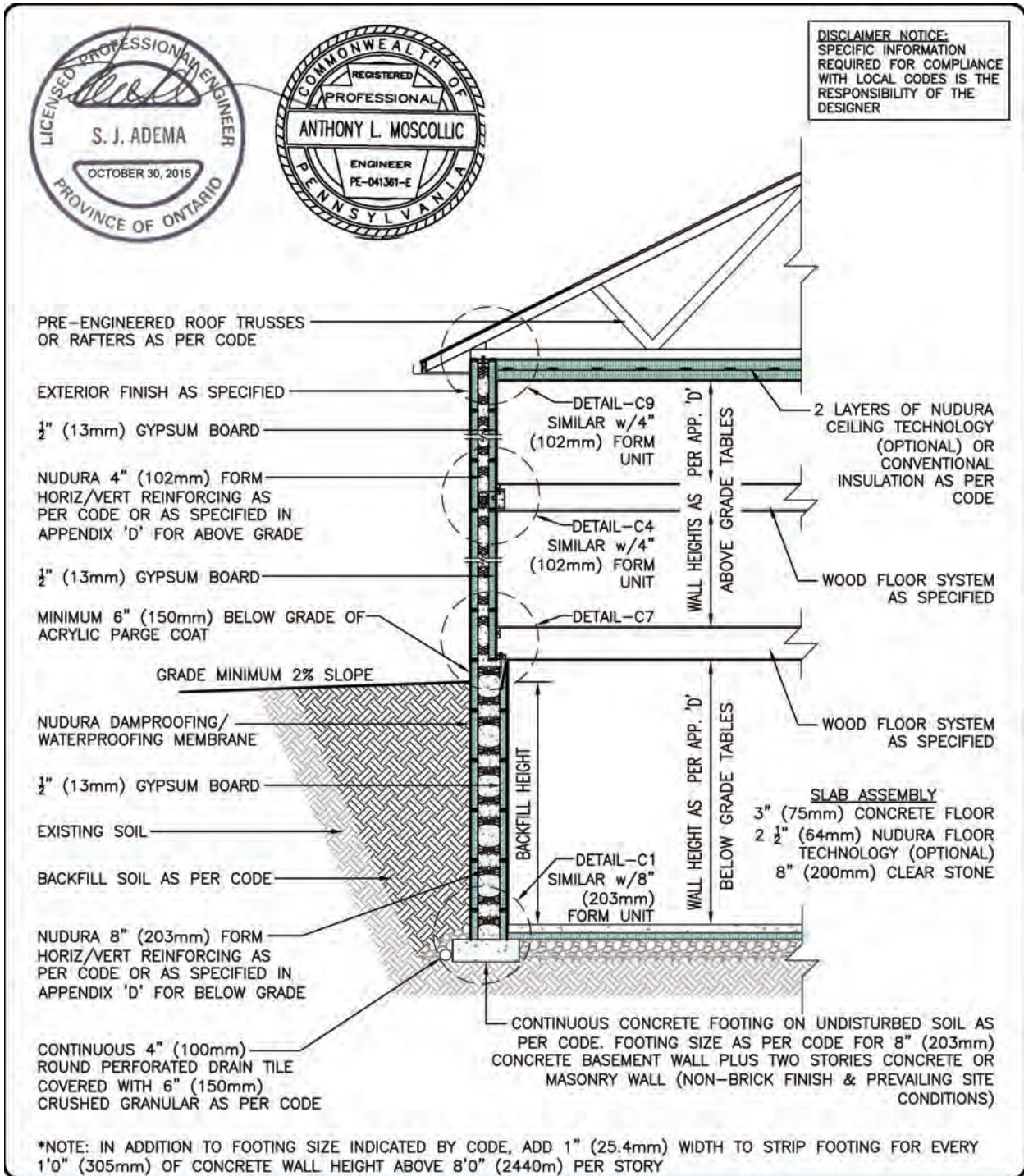


BUILDING SECTION  
BASEMENT 8" (203mm) FORM UNIT  
1 STORY 4" (102mm) FORM UNIT  
NON-BRICK FINISH

REV. NO.  
005 KS  
REV. DATE:  
SEPT 2015  
DRAWN BY  
J.N / N.L.

DWG NO.  
B-9  
SCALE:  
"Not to Scale"

# TYPICAL CROSS SECTIONS B-10



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

REV. NO.  
005 KS

REV. DATE:  
SEPT 2015

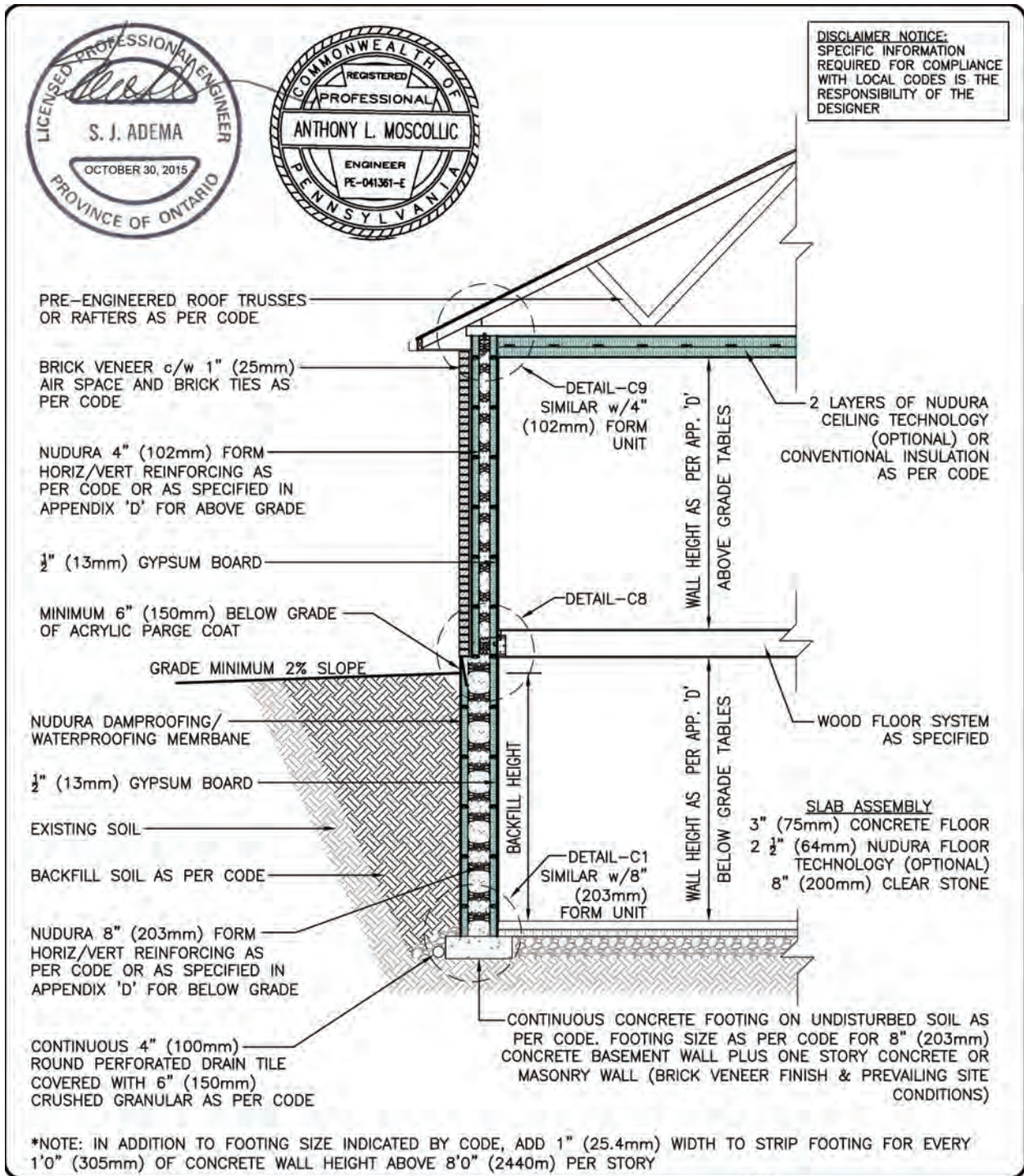
DRAWN BY  
J.N. / N.L.

DWG NO.

B-10

SCALE:  
"Not to Scale"

# TYPICAL CROSS SECTIONS B-11

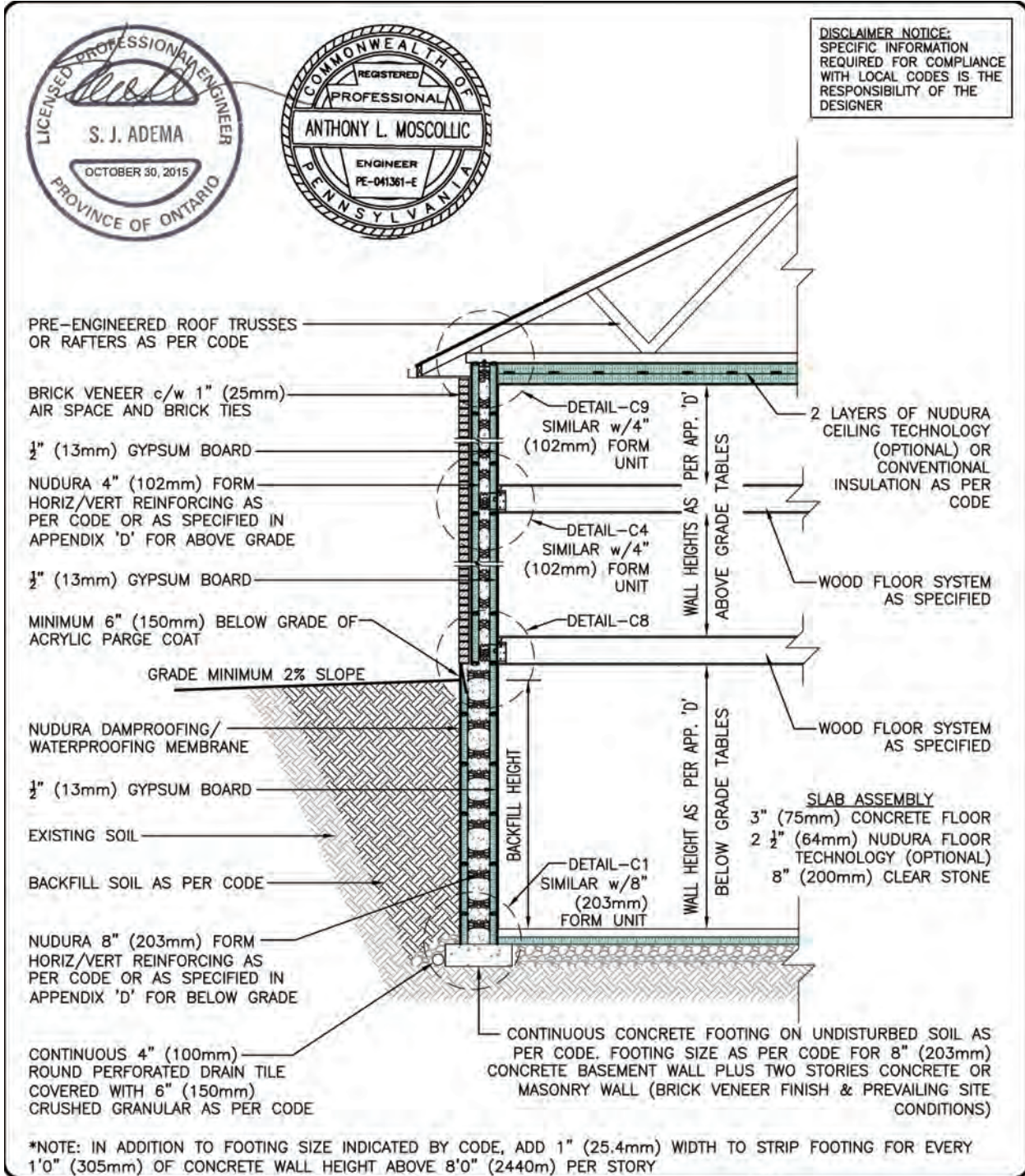


BUILDING SECTION  
BASEMENT 8" (203mm) FORM UNIT  
1 STORY 4" (102mm) FORM UNIT  
BRICK VENEER FINISH

REV. NO. 005 KS	DWG NO. B-11
REV. DATE: SEPT 2015	
DRAWN BY: J.N / N.L	SCALE: "Not to Scale"



# TYPICAL CROSS SECTIONS B-12



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

REV. NO.  
005 KS

REV. DATE:  
SEPT 2015

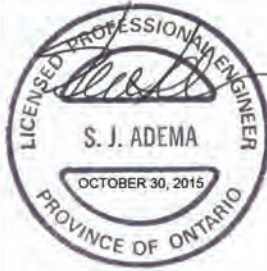
DRAWN BY  
J.N / N.L

DWG NO.

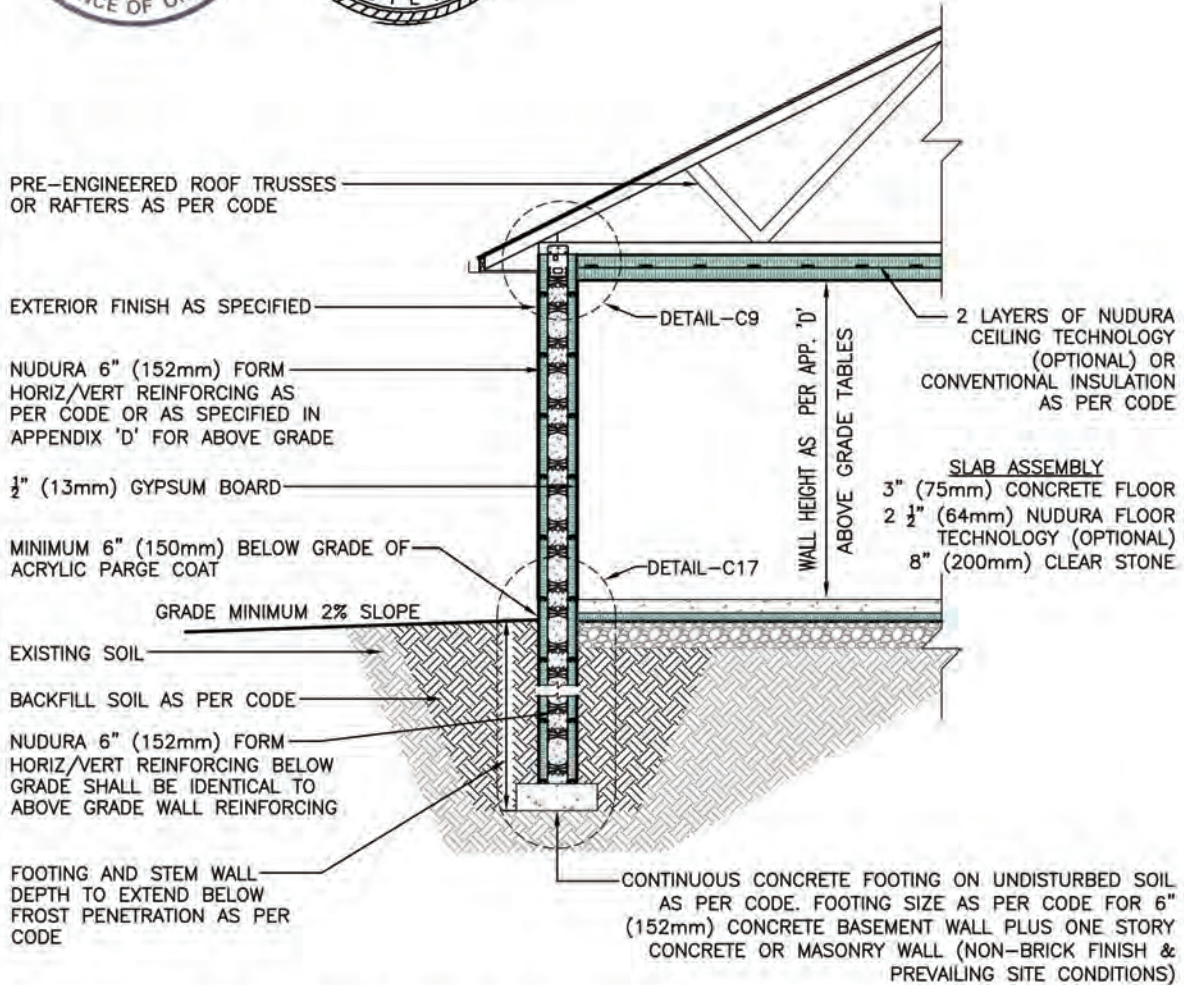
B-12

SCALE:  
"Not to Scale"

# TYPICAL CROSS SECTIONS B-13



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



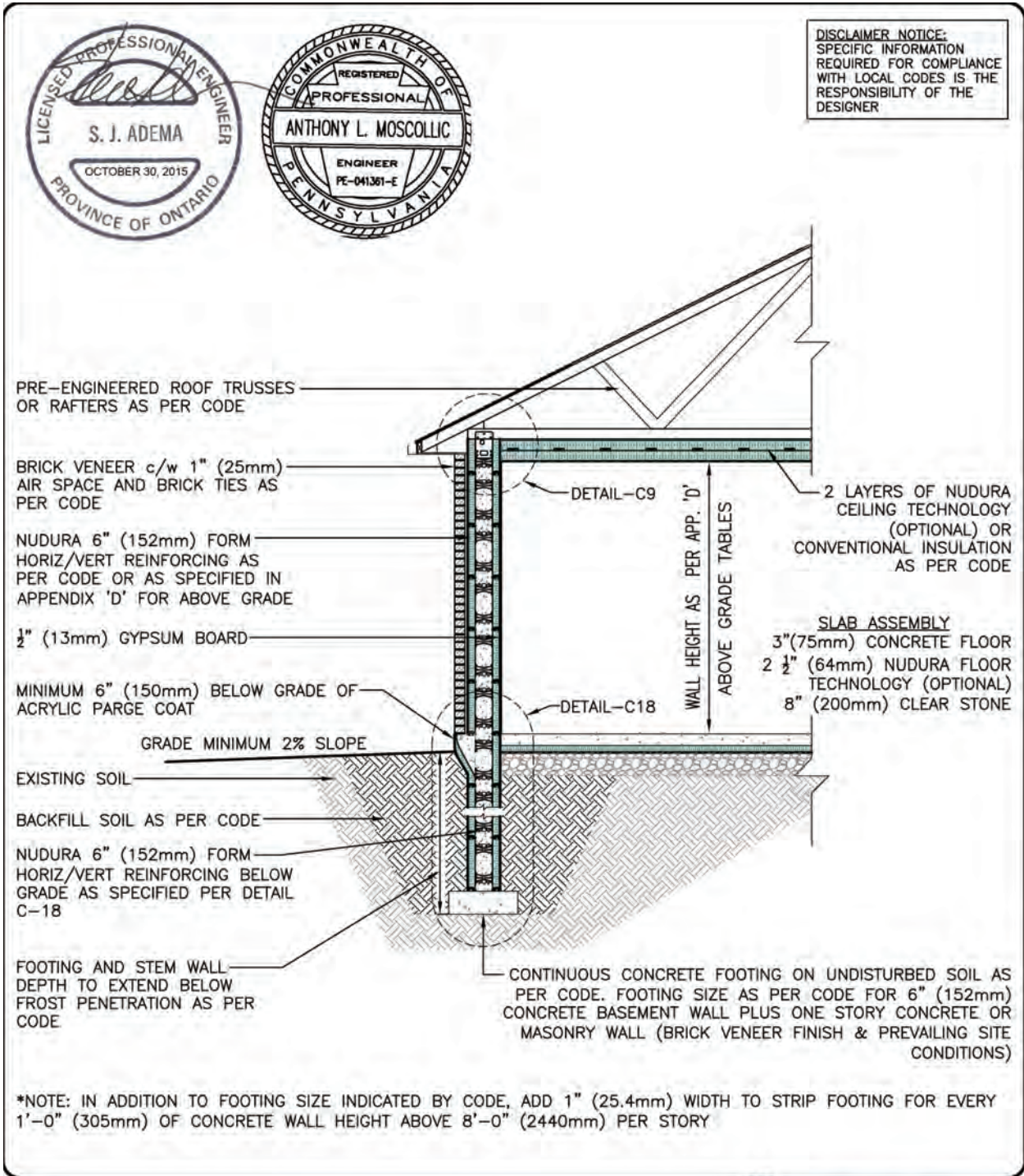
\*NOTE: IN ADDITION TO FOOTING SIZE INDICATED BY CODE, ADD 1" (25.4mm) WIDTH TO STRIP FOOTING FOR EVERY 1'-0" (305mm) OF CONCRETE WALL HEIGHT ABOVE 8'-0" (2440mm) PER STORY



BUILDING SECTION  
 6" (152mm) FORM FROST WALL  
 SLAB ON GRADE  
 1 STORY 6" (152mm) FORM UNIT  
 NON-BRICK FINISH

REV. NO. 002 KS	DWG NO. B-13
REV. DATE: SEPT 2015	
DATE: K. STILL	SCALE: "Not to Scale"

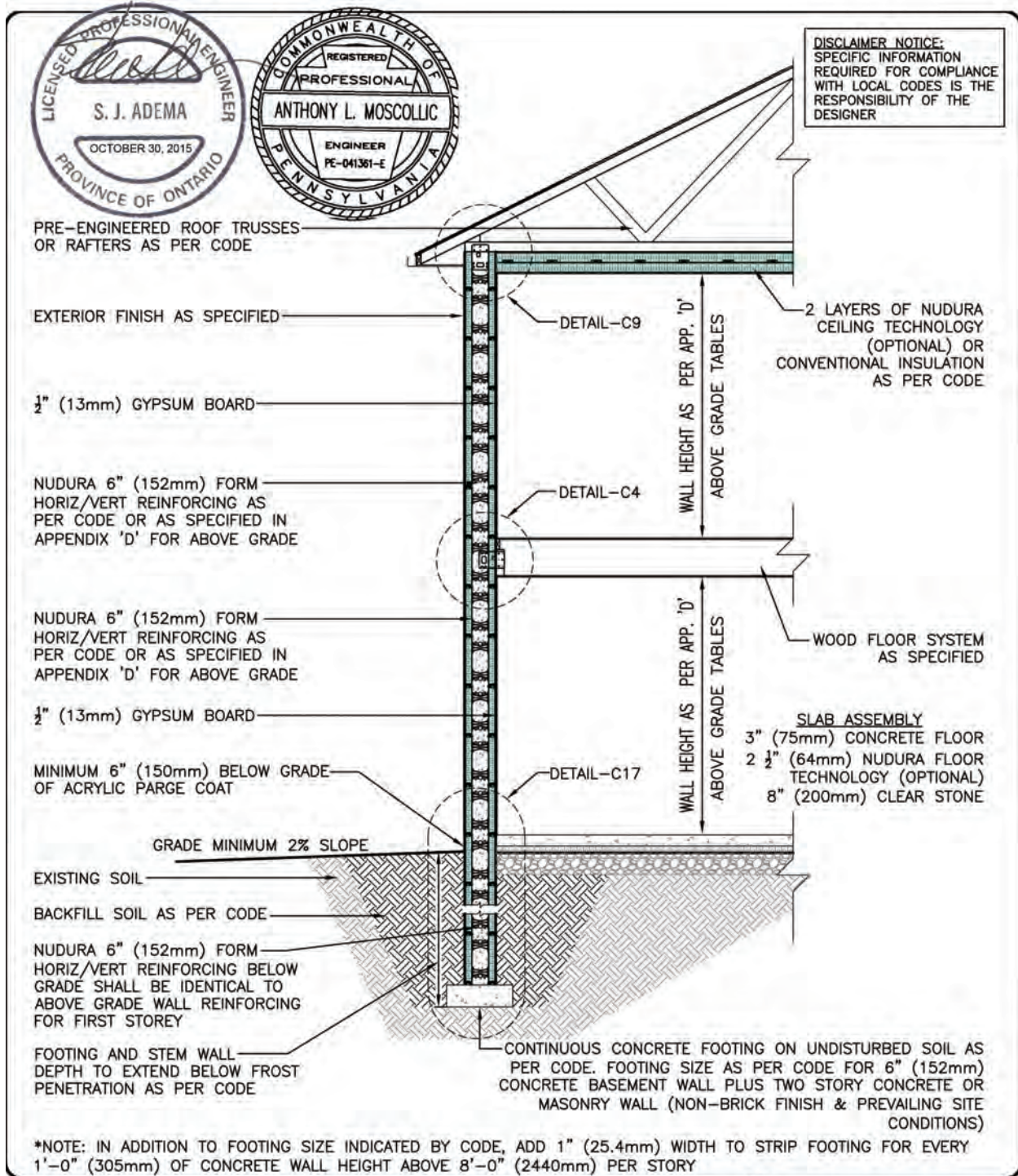
# TYPICAL CROSS SECTIONS B-14



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

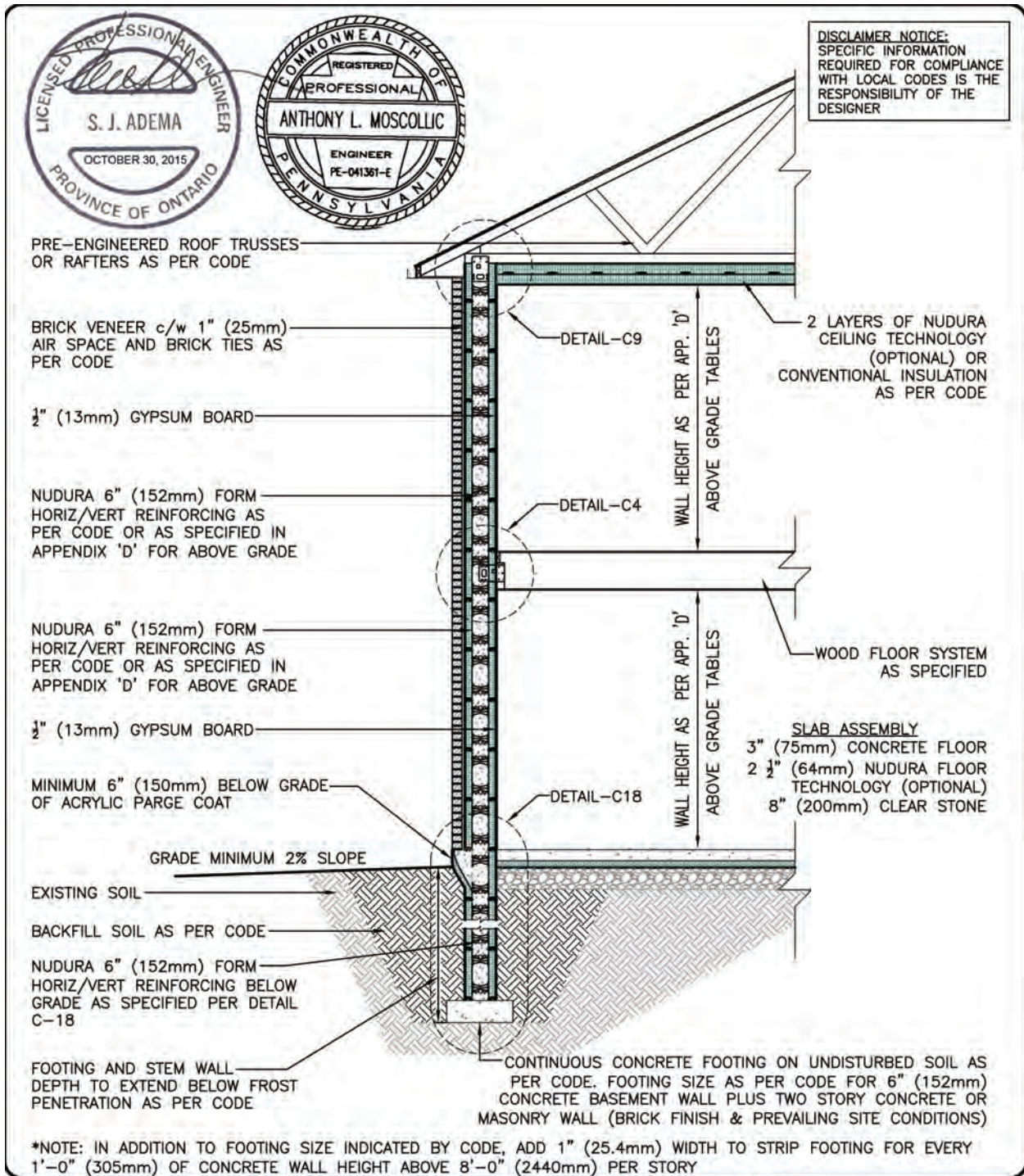
REV. NO. 002 KS	DWG. NO. B-14
REV. DATE: SEPT 2015	
DATE:	SCALE: "Not to Scale"
K. STILL	

# TYPICAL CROSS SECTIONS B-15



BUILDING SECTION 6" (152mm) FORM FROST WALL SLAB ON GRADE 2 STORY 6" (152mm) FORM UNIT NON-BRICK FINISH	
REV. NO. 002 KS	DWG NO. B-15
REV. DATE: SEPT 2015	
DATE: K. STILL	SCALE: "Not to Scale"

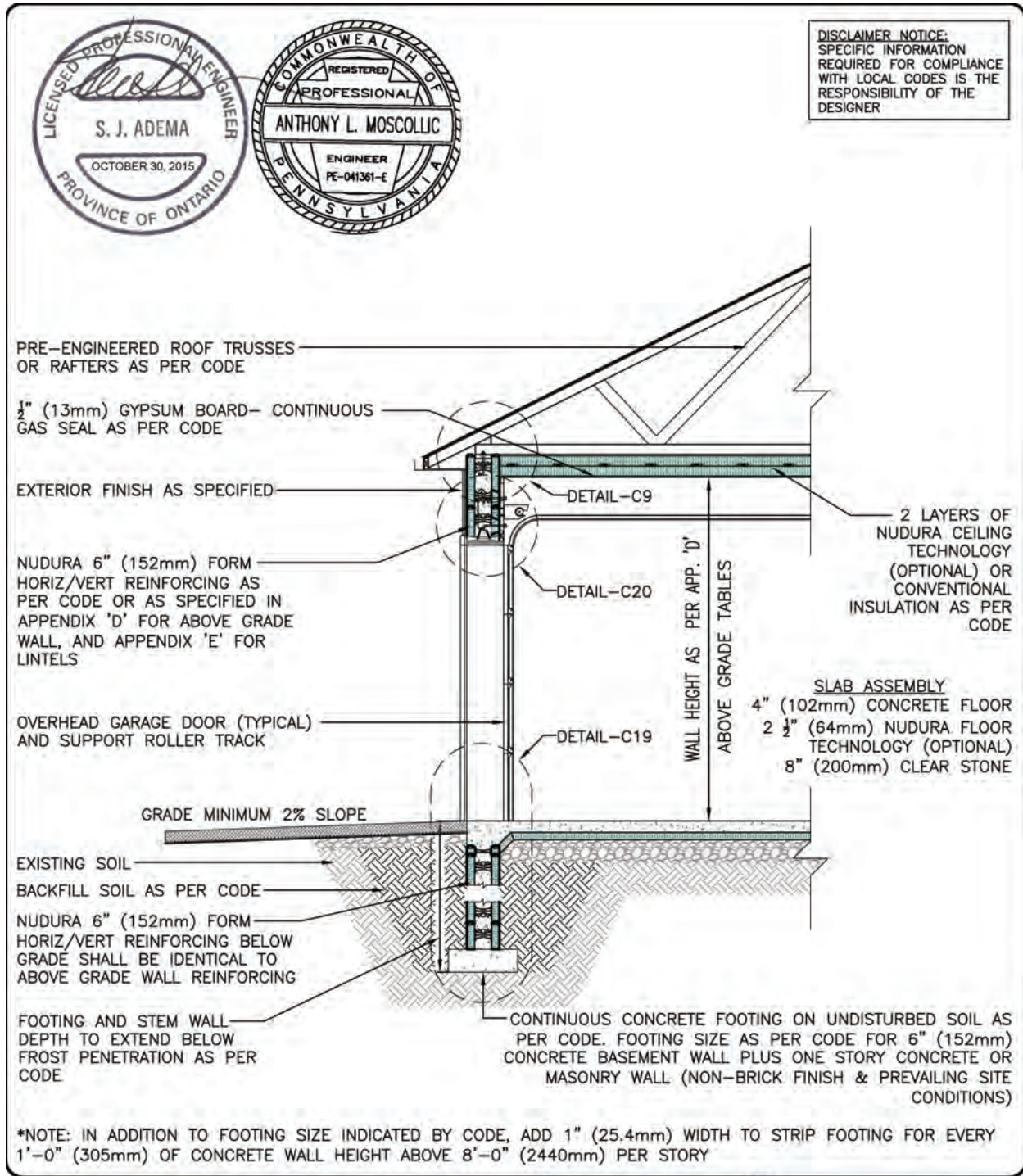
# TYPICAL CROSS SECTIONS B-16



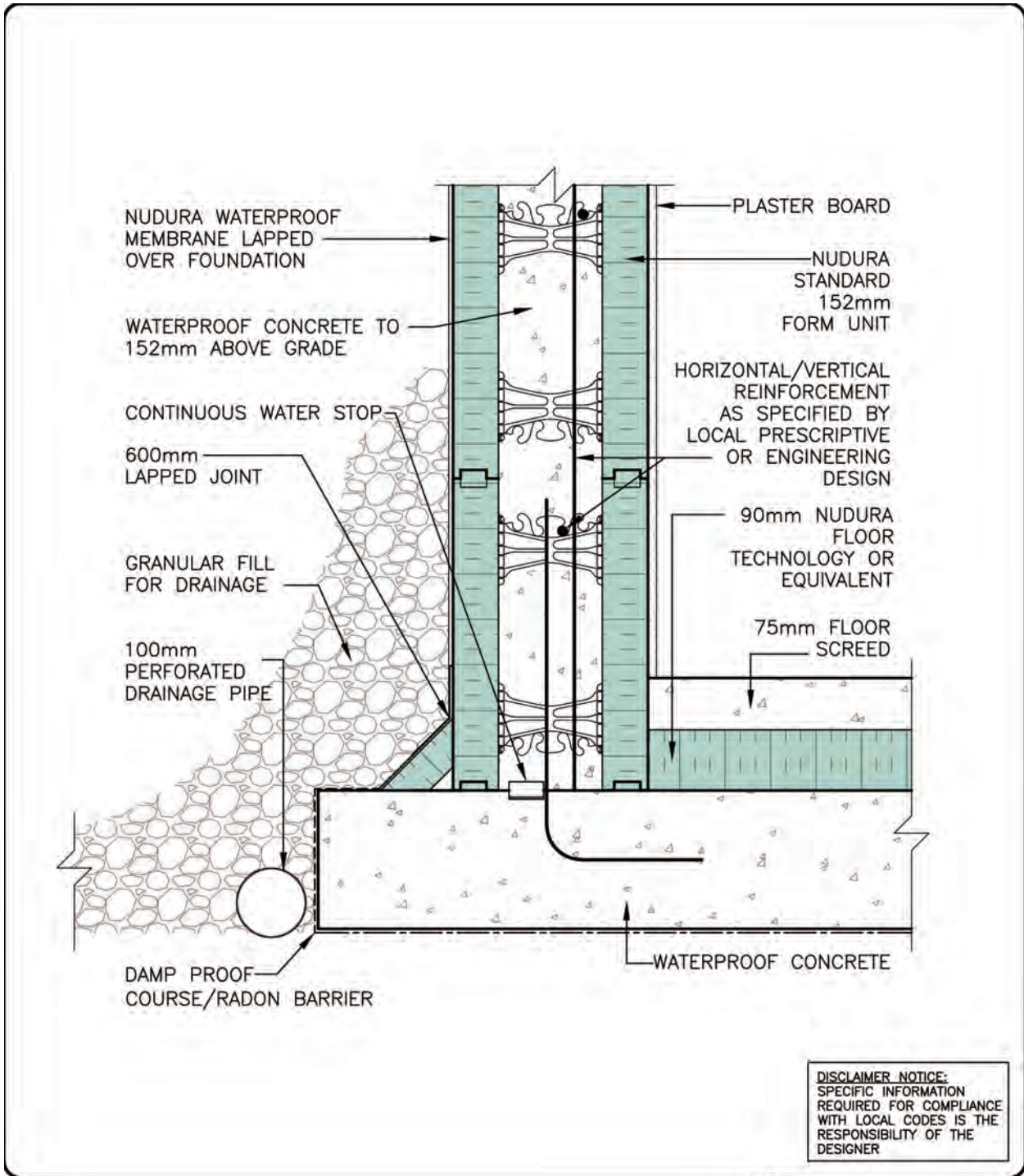
BUILDING SECTION  
6" (152mm) FORM FROST WALL  
SLAB ON GRADE  
2 STORY 6" (152mm) FORM UNIT  
BRICK VENEER FINISH

REV. NO. 002 KS	DWG NO. B-16
REV. DATE: SEPT 2015	
DATE: K. STILL	SCALE: "Not to Scale"

# TYPICAL CROSS SECTIONS B-17



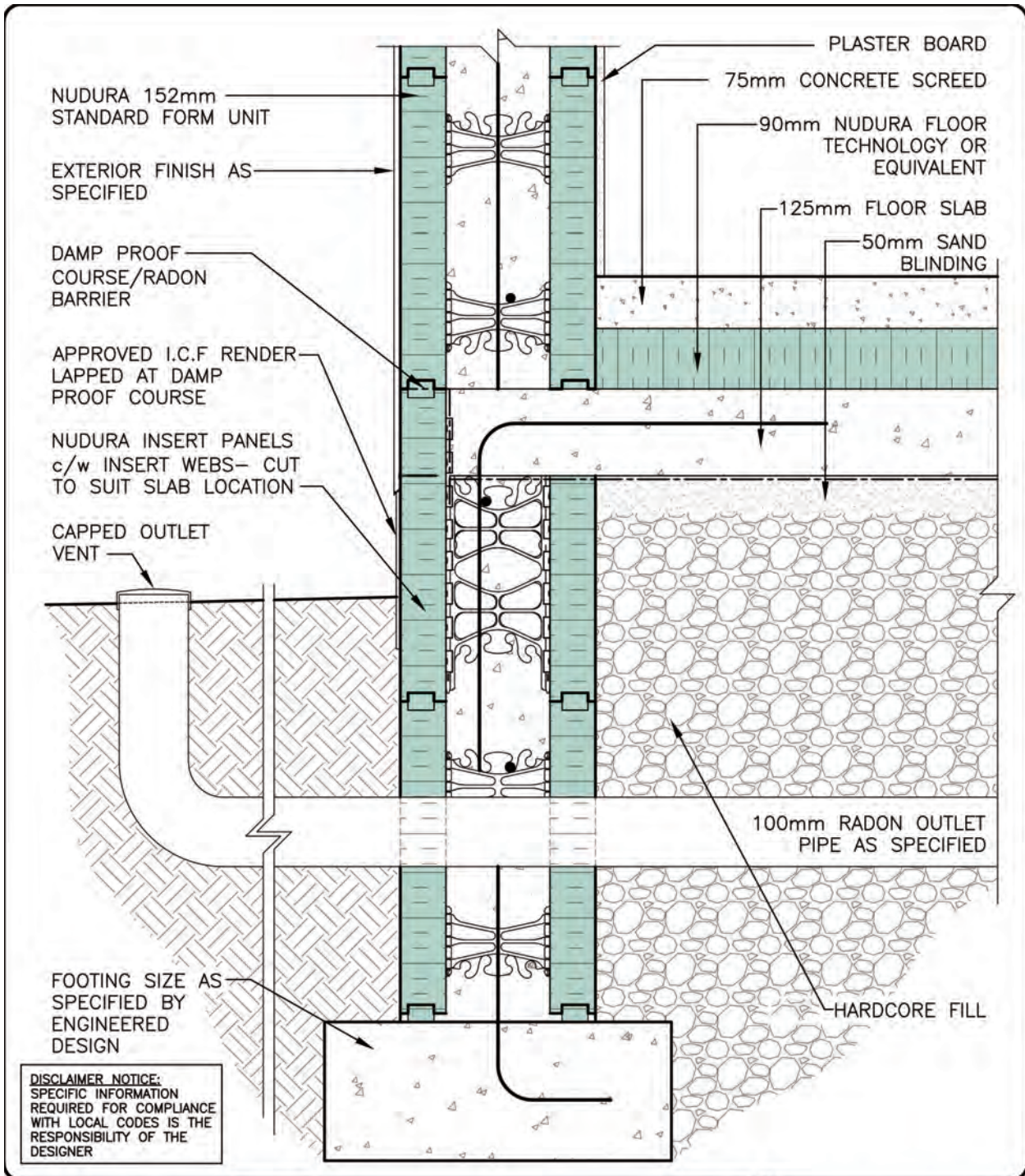
BUILDING SECTION 6" (152mm) STEM WALL TYPICAL GARAGE DOOR DETAIL NON-BRICK FINISH	
REV. NO. 002 KS	DWG NO. B-17
REV. DATE: SEPT 2015	
DRAWN BY K. STILL	SCALE: "Not to Scale"



STANDARD 152mm FORM UNIT  
BEARING SLAB/BASEMENT  
FOUNDATION DETAILS  
DAMP PROOF COURSING w/  
RADON PROVISIONS

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

# TYPICAL DETAILS CE-2



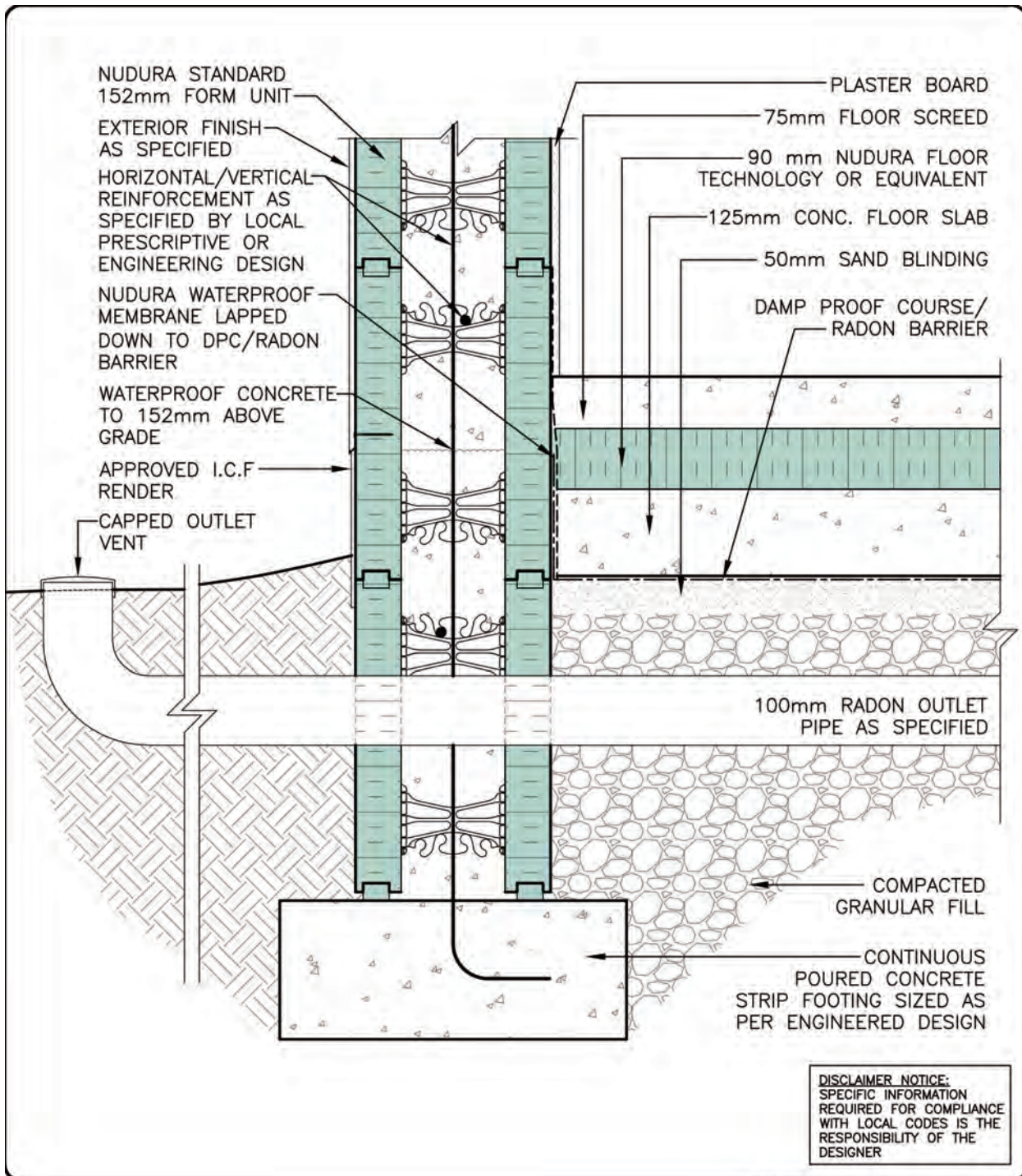
**NUDURA**  
 INTEGRATED BUILDING TECHNOLOGY  
*Building Value.*

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

REV. NO.  
 002 KS  
 REV. DATE:  
 SEPT 2015  
 DRAWN BY:  
 K. STILL

DWG NO.  
 CE-2  
 SCALE:  
 1 : 8



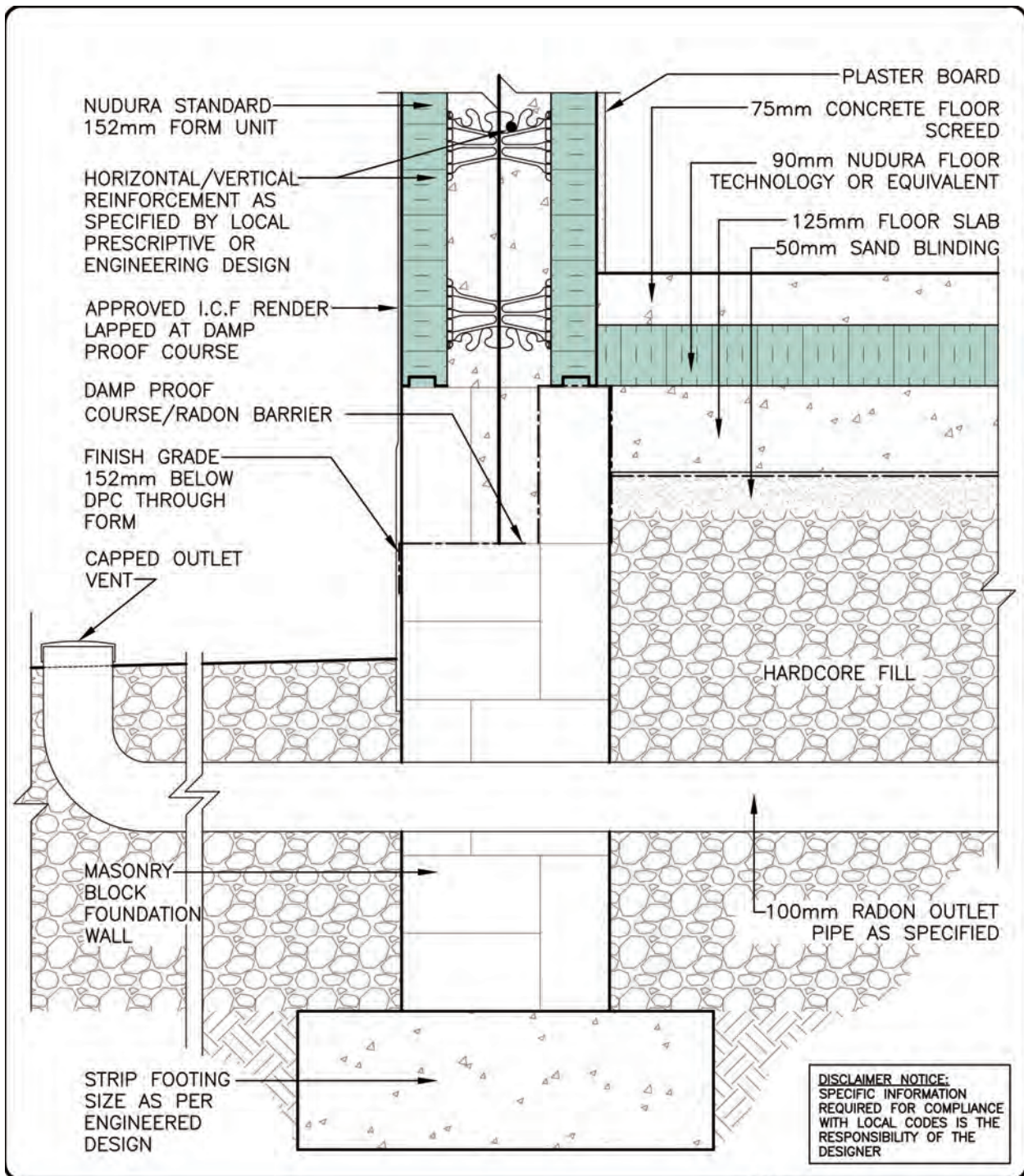


STANDARD 152mm FORM UNIT  
 STRIP FOOTING  
 FOUNDATION DETAILS  
 DAMP PROOF COURSING w/  
 RADON PROVISIONS

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

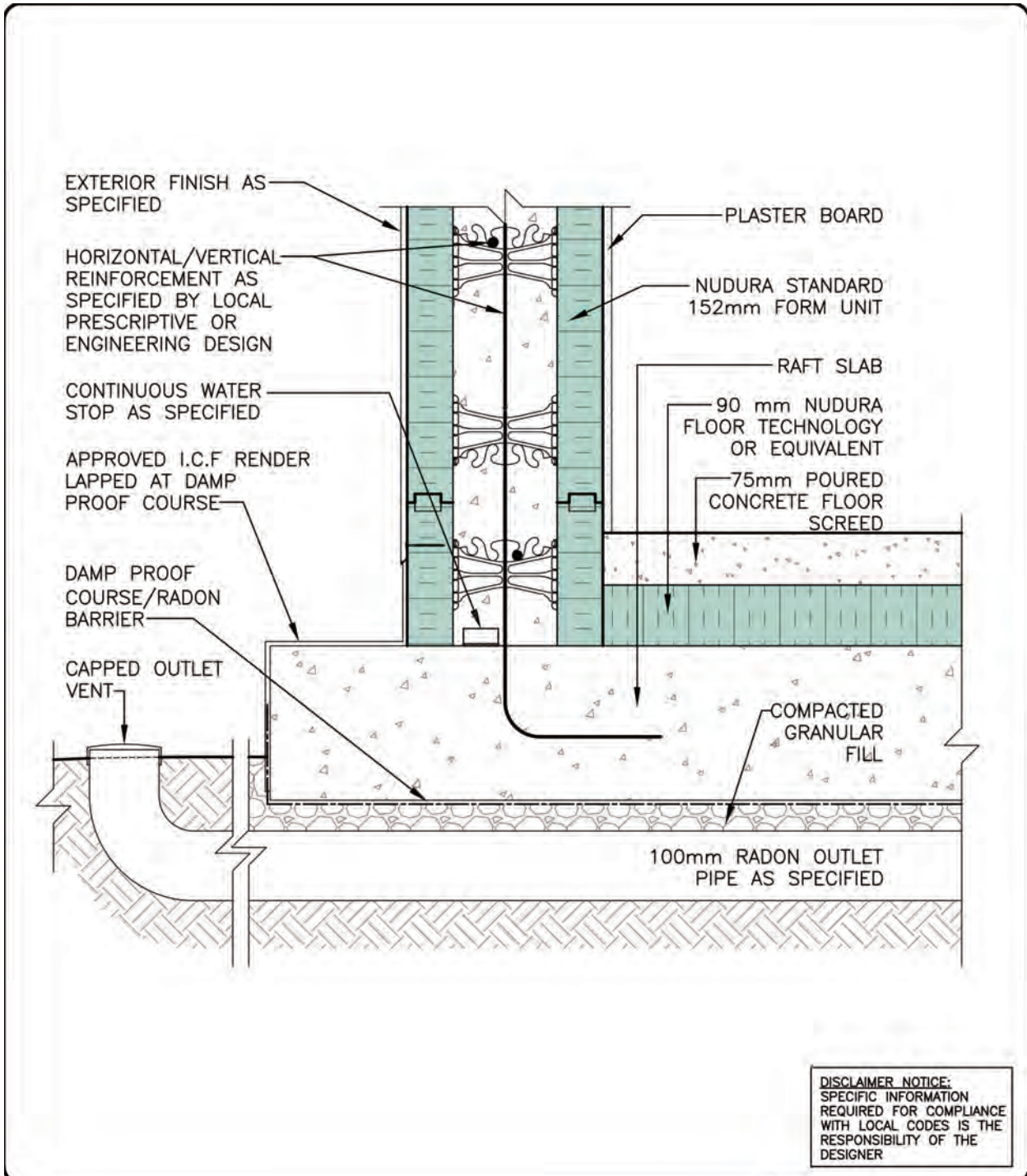
DWG NO.  
 CE-3  
 SCALE:  
 1 : 8

# TYPICAL DETAILS CE-4



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

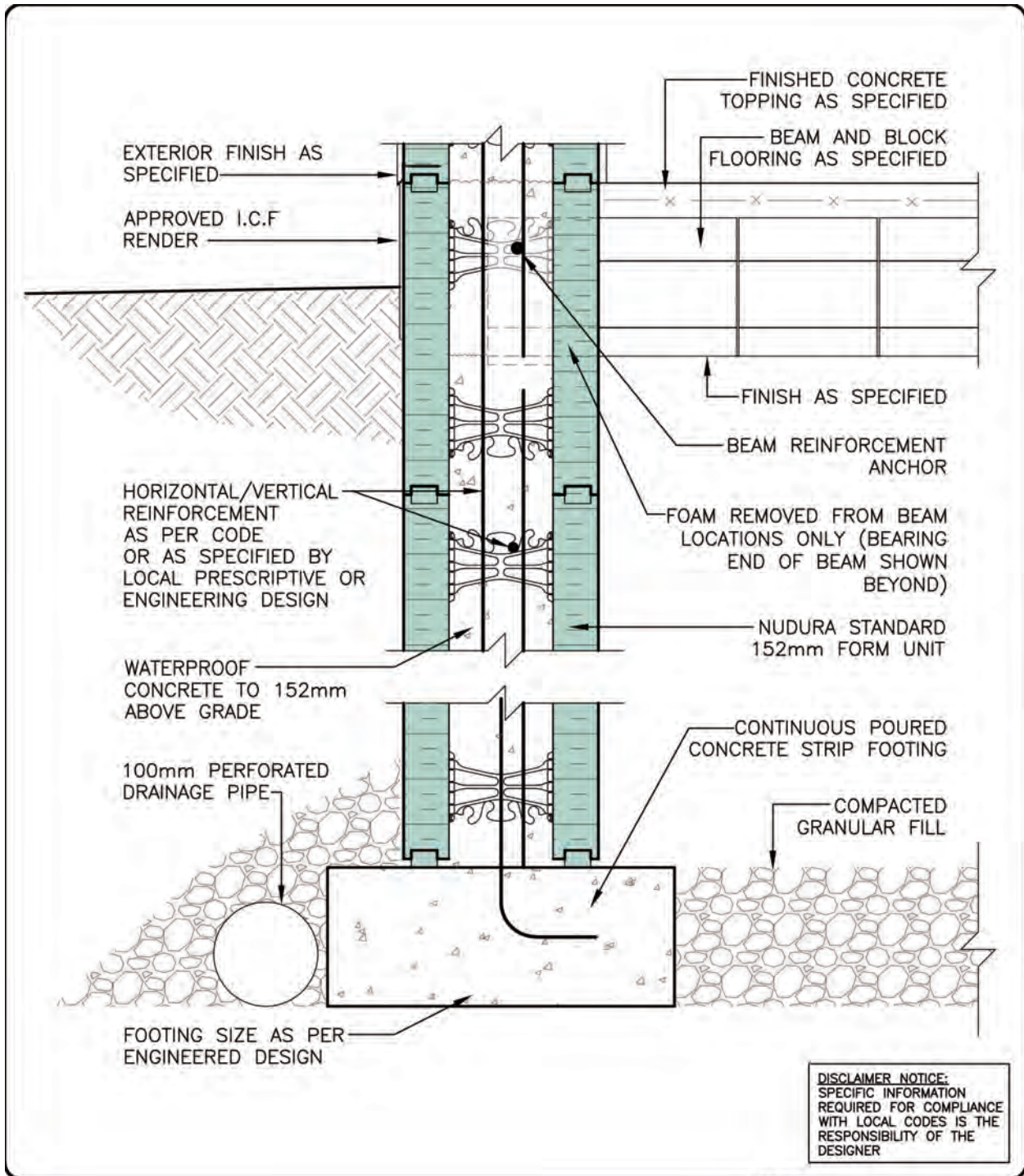
REV. NO. 001 KS	DWG NO. CE-4
DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 8



STANDARD 152mm FORM UNIT  
 RAFT SLAB  
 FOUNDATION DETAILS  
 DAMP PROOF COURSING w/  
 RADON PROVISIONS

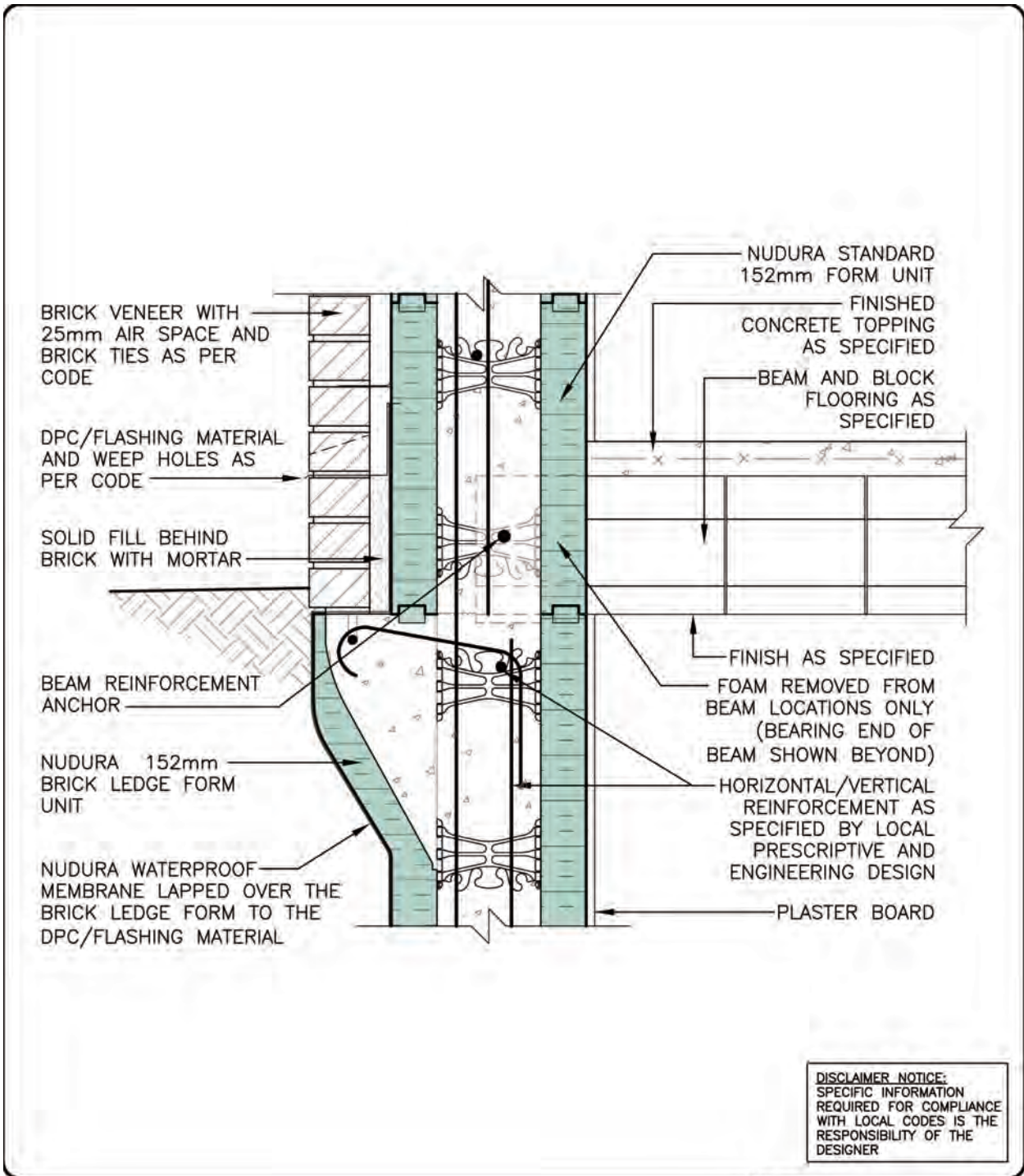
REV. NO. 001 KS	DWG NO. CE-5
DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 8

# TYPICAL DETAILS CE-6



STANDARD 152mm FORM UNIT  
BLOCK AND BEAM FLOOR  
CONNECTION DETAIL AT GRADE  
EXTERIOR FINISH AS SPECIFIED

REV. NO. 001 KS	DWG NO. CE-6
DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 8



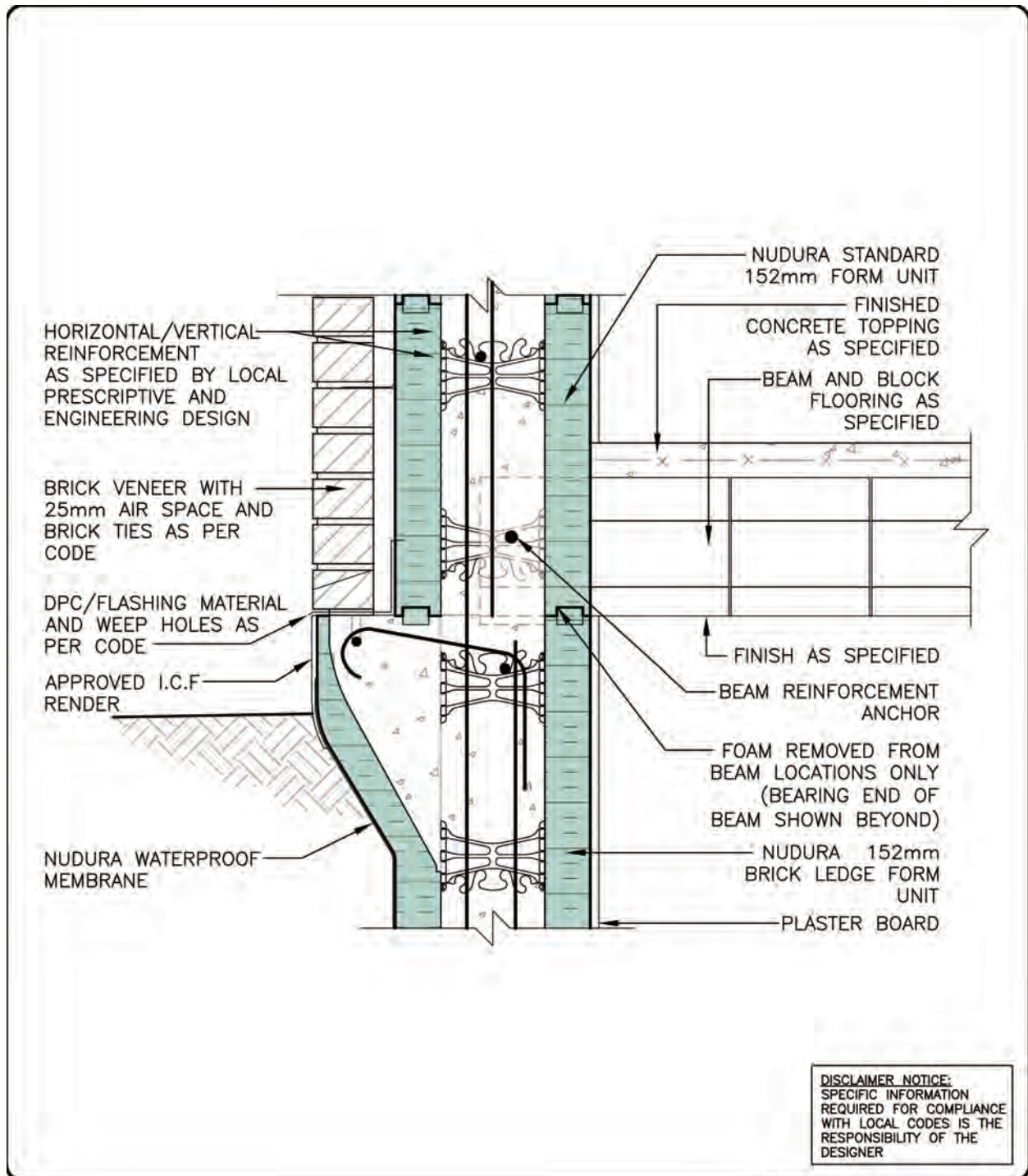
**DISCLAIMER NOTICE:**  
 SPECIFIC INFORMATION  
 REQUIRED FOR COMPLIANCE  
 WITH LOCAL CODES IS THE  
 RESPONSIBILITY OF THE  
 DESIGNER



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

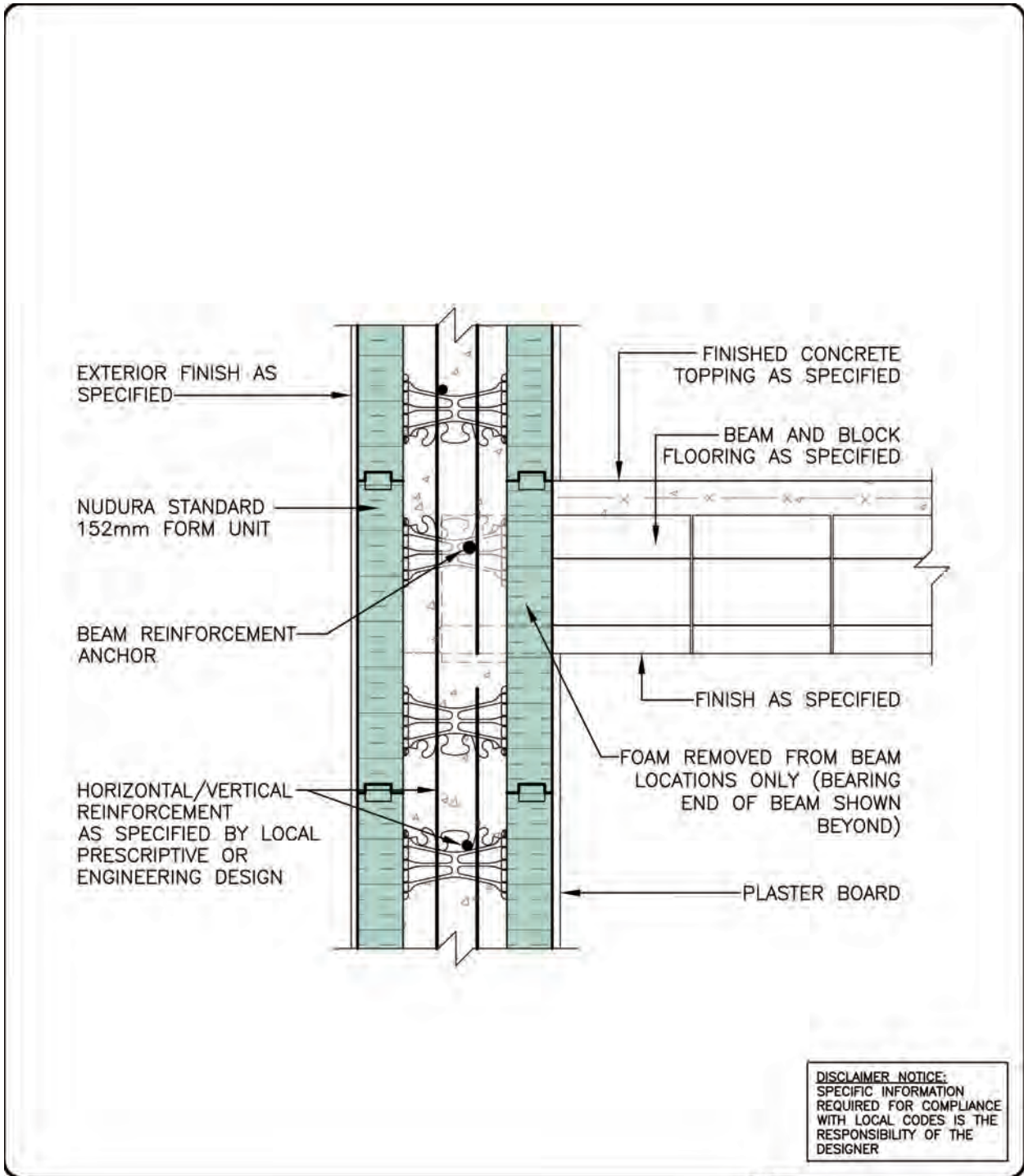
REV. NO. 001 KS	DWG NO. CE-7
DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 8

# TYPICAL DETAILS CE-8



STANDARD 152mm FORM UNIT  
 BLOCK AND BEAM FLOOR  
 CONNECTION DETAIL AT GRADE  
 BRICK VENEER FINISH

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



STANDARD 152mm FORM UNIT  
BLOCK AND BEAM  
INTERMEDIATE FLOOR CONNECTION  
EXTERIOR FINISH AS SPECIFIED

REV. NO.  
001 KS

DATE:  
SEPT 2015

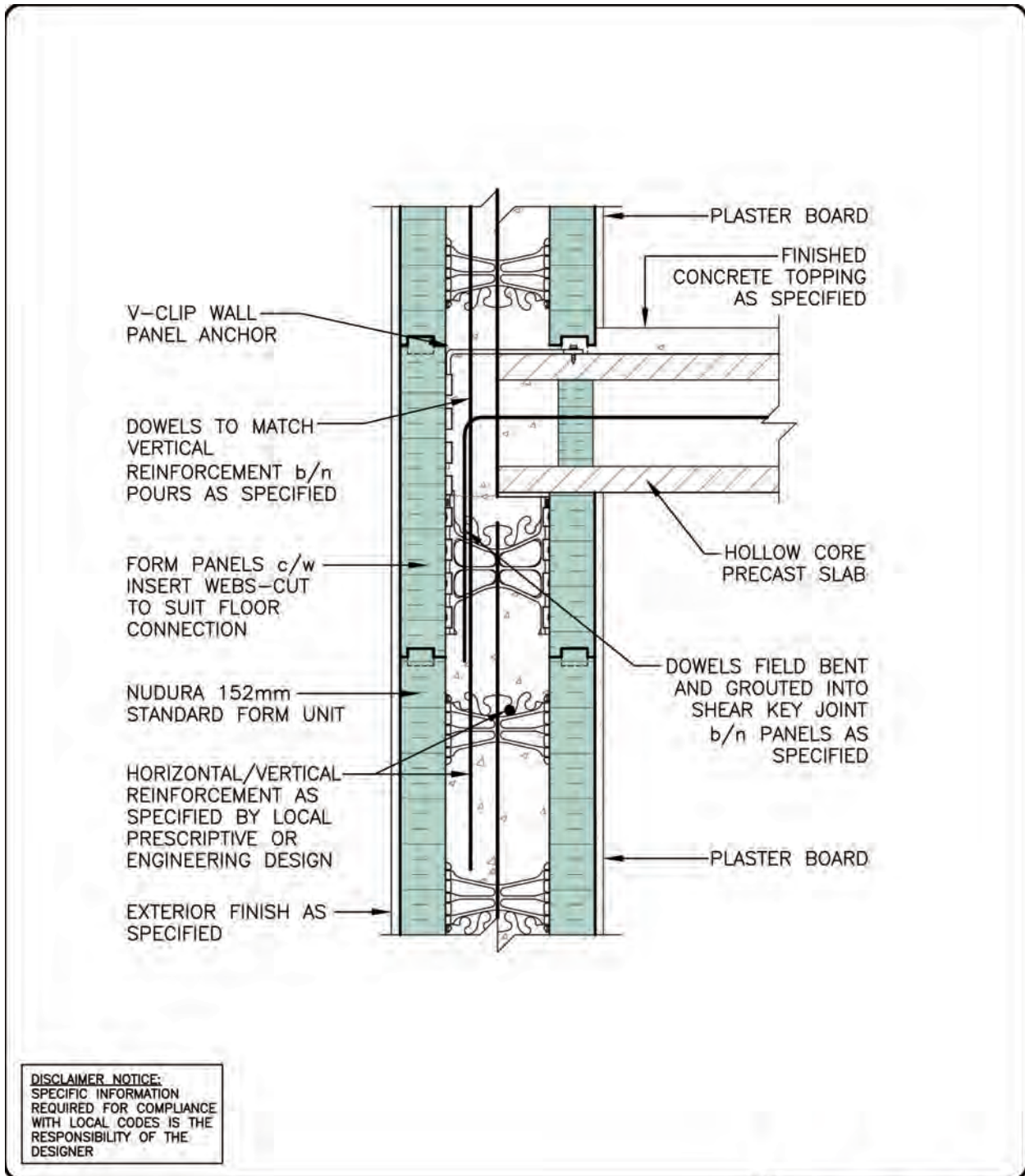
DRAWN BY:  
K. STILL

DWG NO.

CE-9

SCALE:  
1 : 8

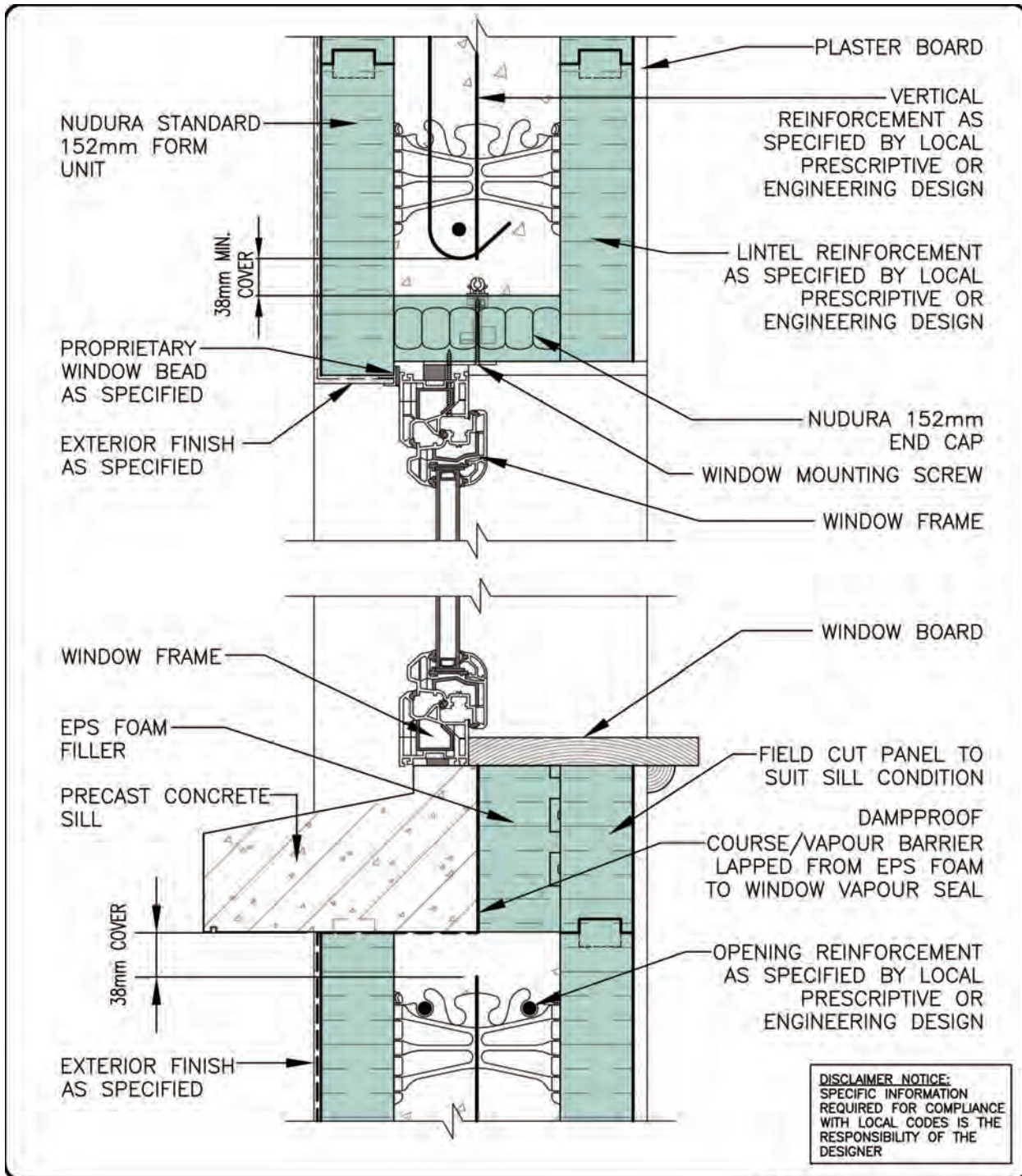
# TYPICAL DETAILS CE-10



STANDARD 152mm FORM UNIT  
C/W PANEL & TIE INSERT WEBS  
EXTERIOR BEARING WALL DETAIL  
HOLLOW CORE PRECAST SLAB  
EXTERIOR FINISH AS SPECIFIED

REV. NO. 002 KS	DWG NO. CE-10
REV. DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 8

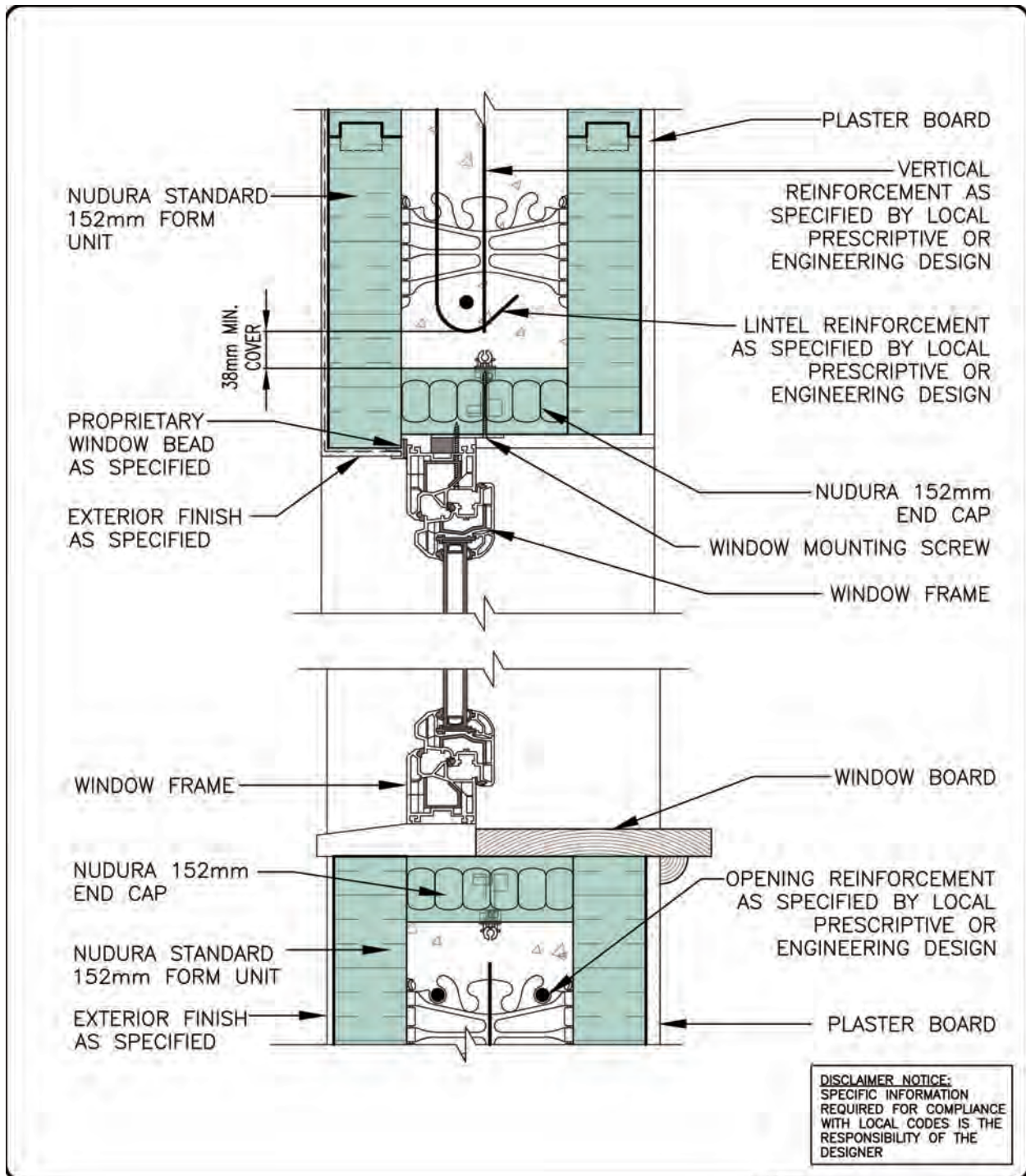




STANDARD 152mm FORM UNIT  
WINDOW DETAILS  
WINDOW HEAD AND PRECAST SILL  
DAMP PROOF COURSING  
EXTERIOR FINISH AS SPECIFIED

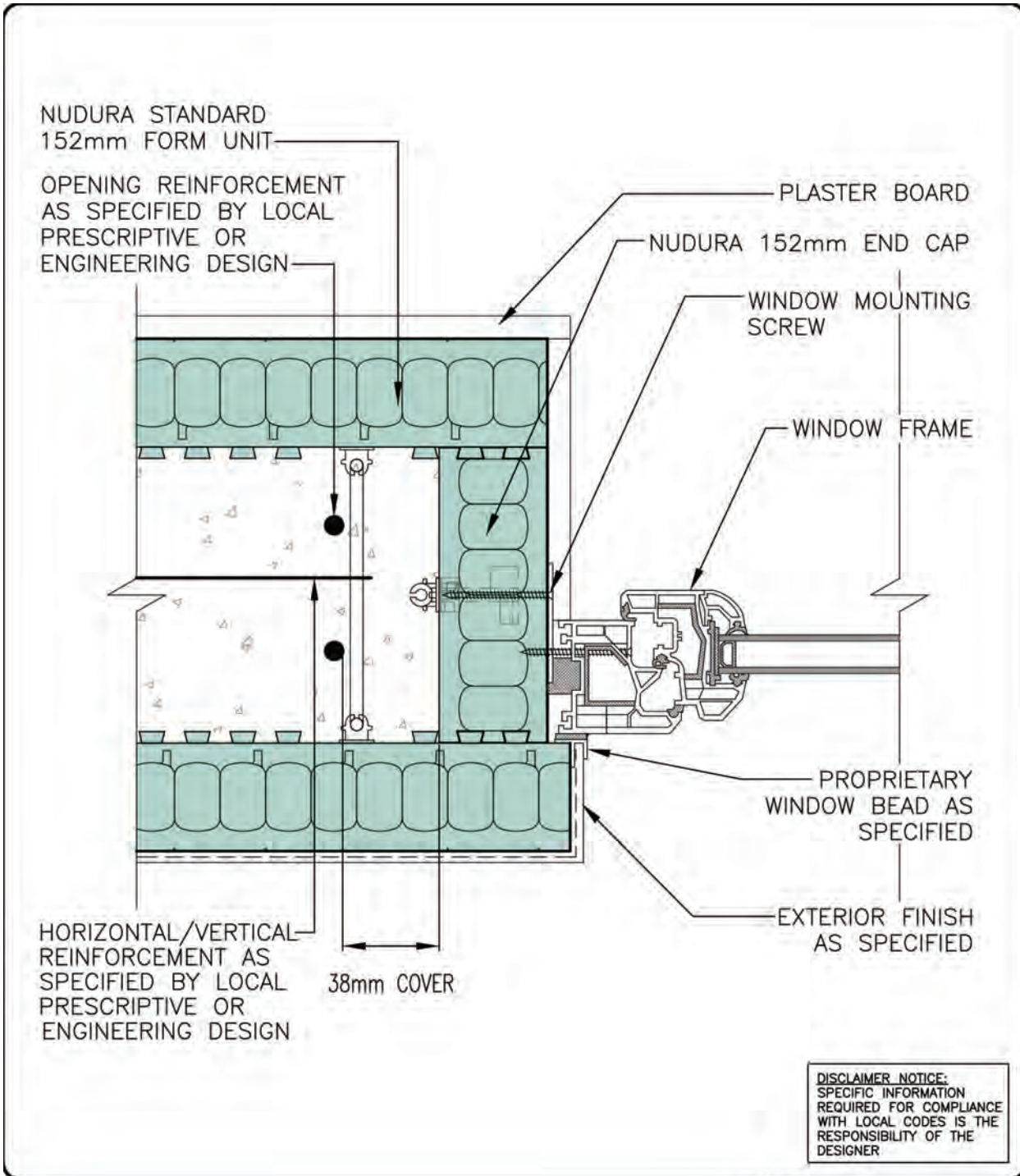
REV. NO. 001 KS	DWG NO. CE-11
DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 5

# TYPICAL DETAILS CE-12



STANDARD 152mm FORM UNIT  
WINDOW DETAILS  
WINDOW HEAD AND SILL  
DAMP PROOF COURSING  
EXTERIOR FINISH AS SPECIFIED

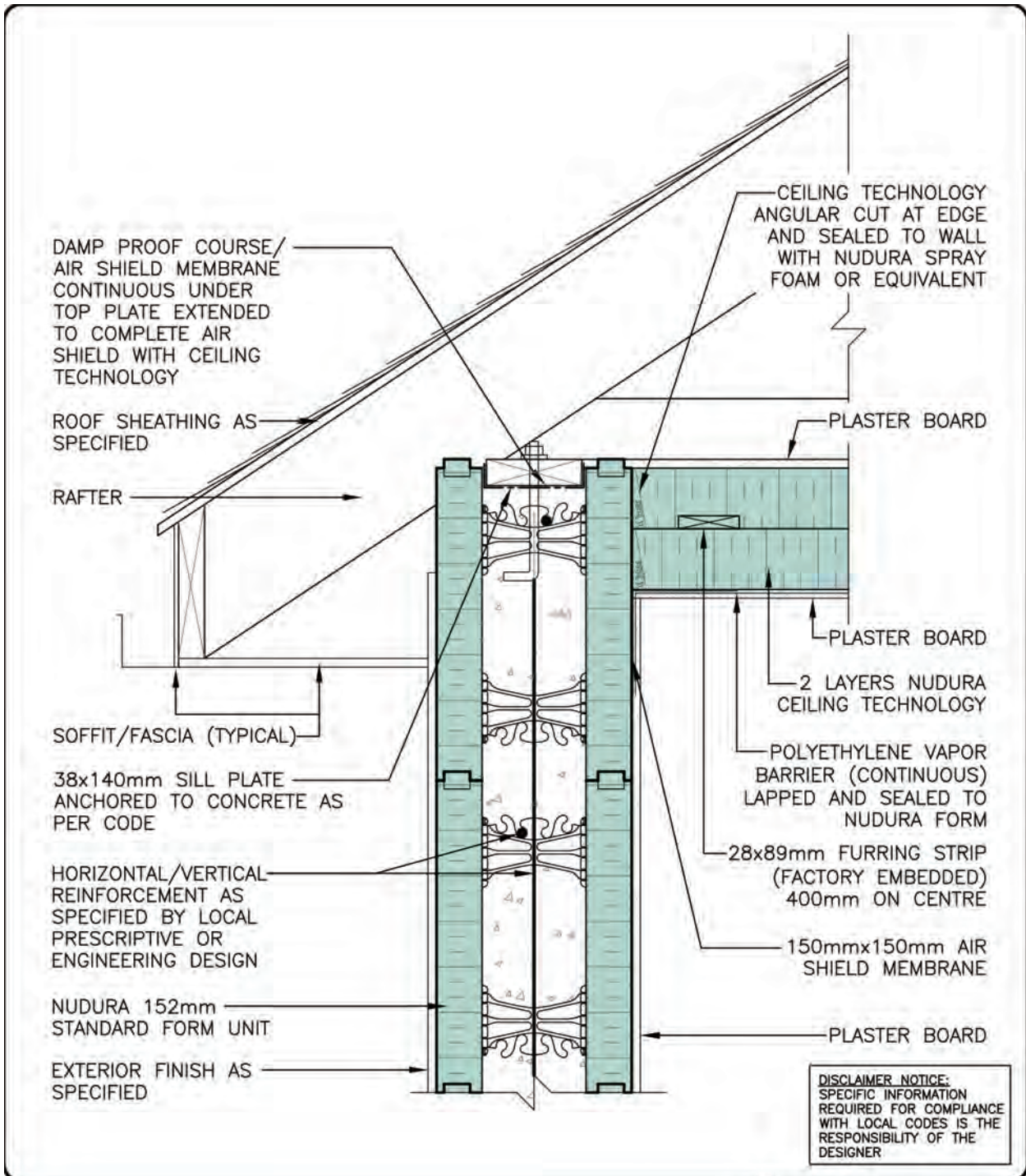
REV. NO. 001 KS	DWG NO. CE-12
DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 5



STANDARD 152mm FORM UNIT  
 WINDOW DETAILS  
 WINDOW JAMB  
 DAMP PROOF COURSING  
 EXTERIOR FINISH AS SPECIFIED

REV. NO. 000	DWG NO. CE-13
DATE: NOV 2009	SCALE: "Not to Scale"
DRAWN BY: K. STILL	

# TYPICAL DETAILS CE-14



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

REV. NO. 001 KS	DWG NO. CE-14
REV. DATE: SEPT 2015	
DRAWN BY: K. STILL	SCALE: 1 : 8