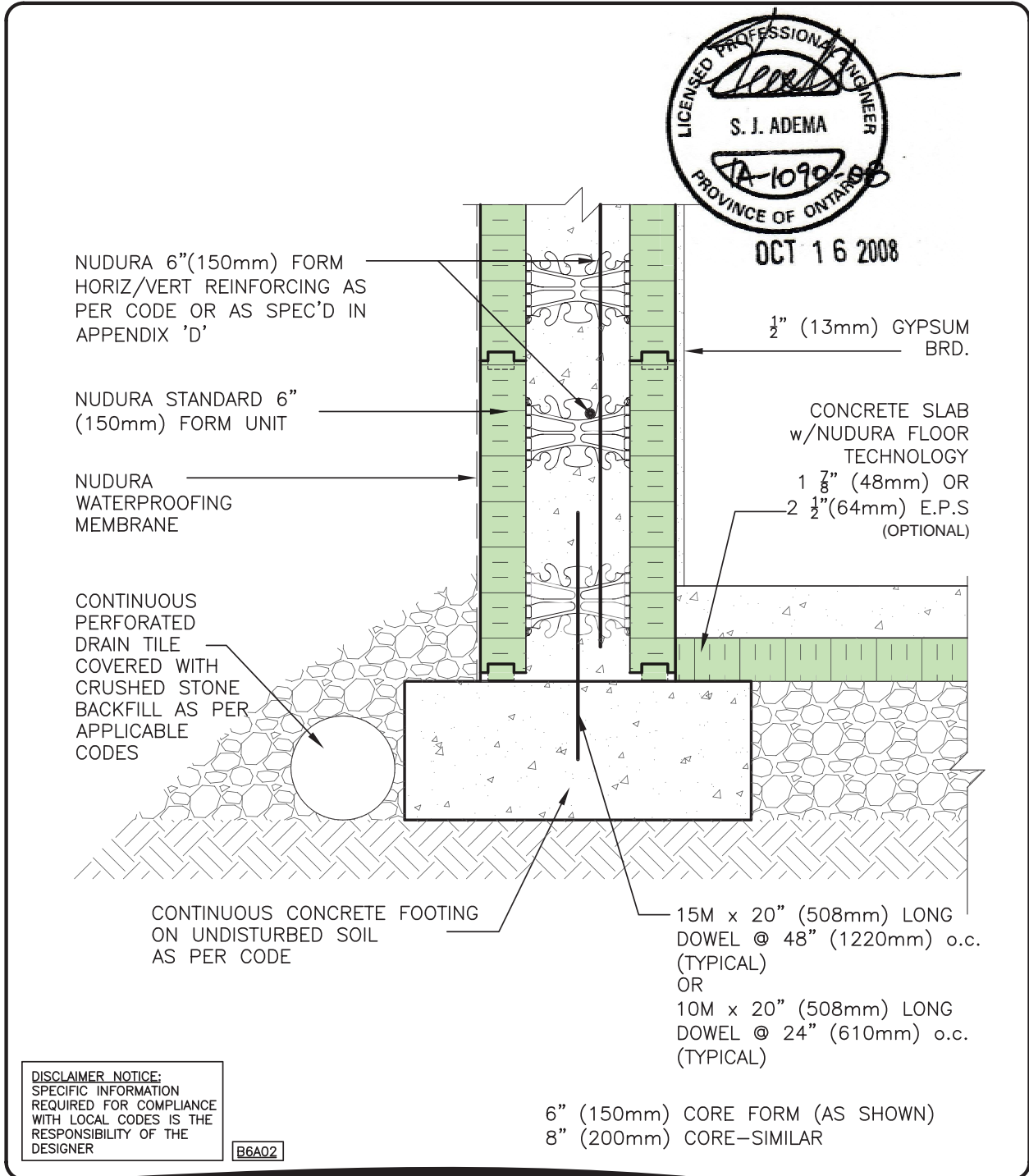


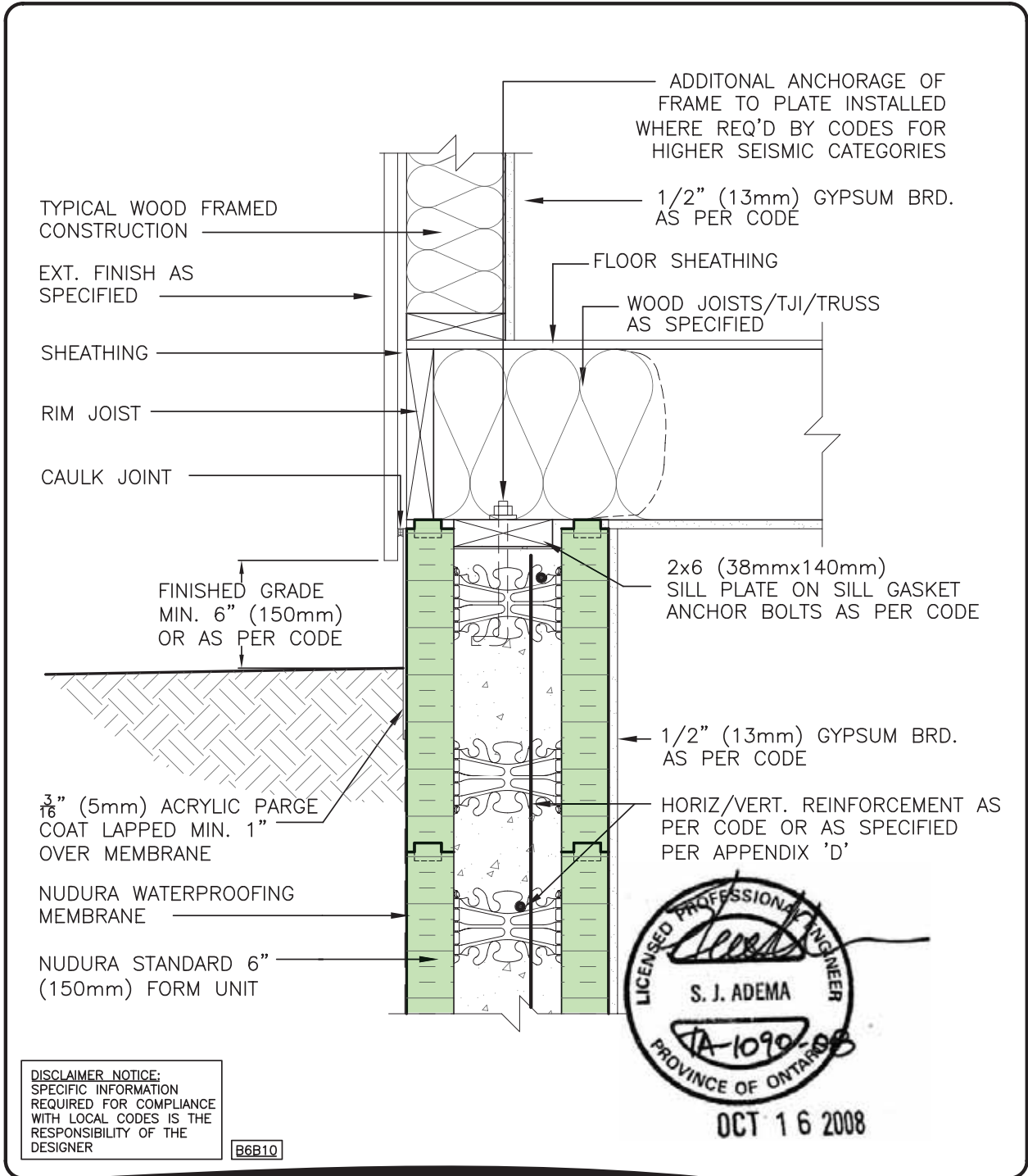
C TYPICAL DETAILS (C-1)



STANDARD 6" FORM UNIT
FOOTING DETAIL
NUDURA FLOOR TECHNOLOGY
(BEST OPTION)

REV. NO. 002 KS	DWG NO. C-1
DATE: MAY 2008	
DRAWN BY: J. NEILON	SCALE: 1 1/2"=1'-0"

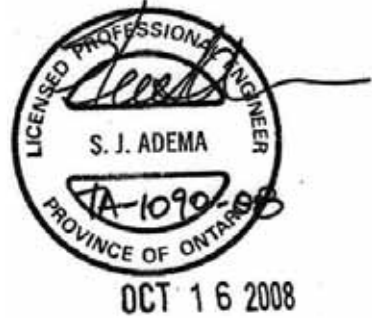
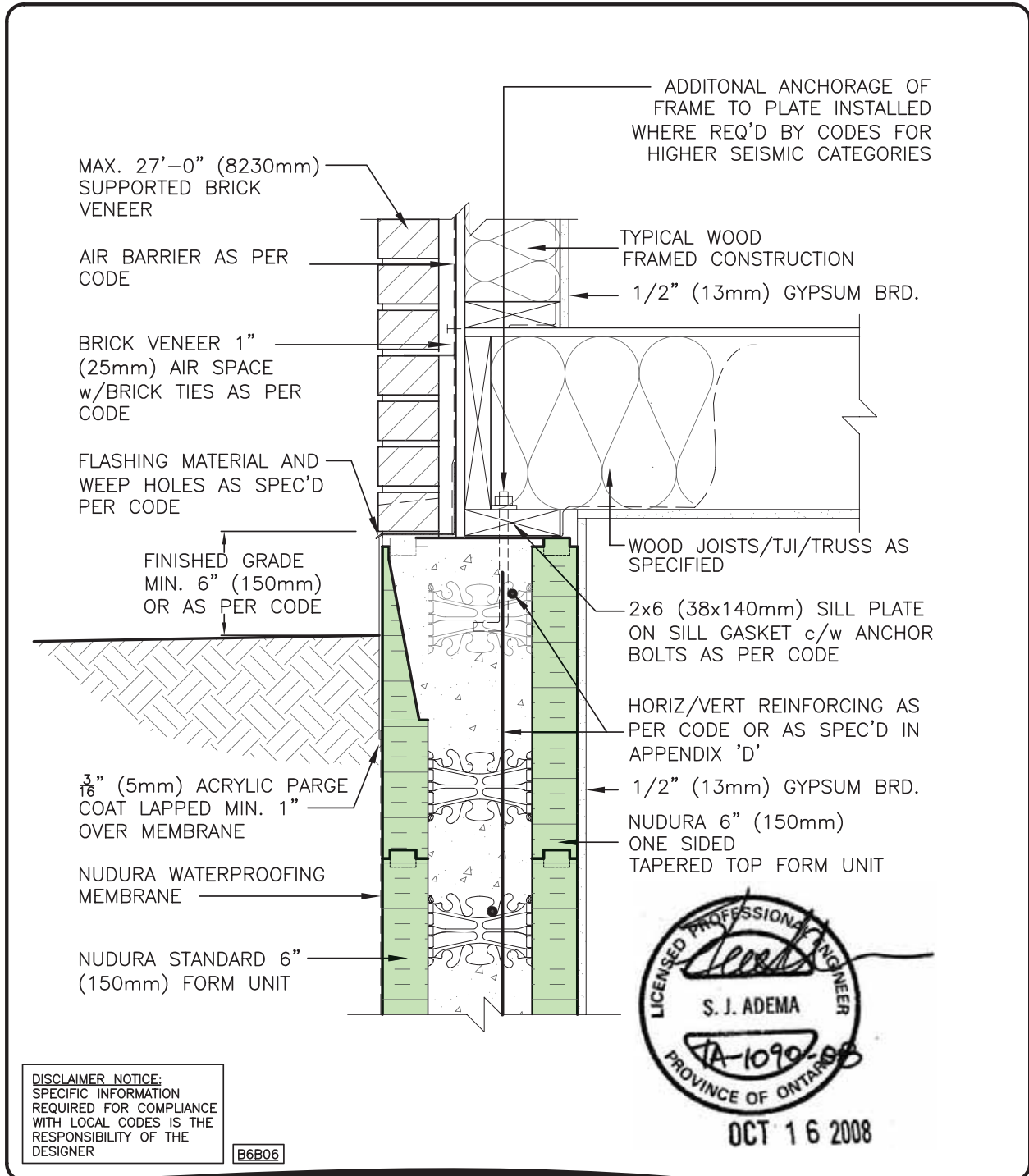
C TYPICAL DETAILS (C-2)



STANDARD 6" FORM BELOW GRADE
CONVENTIONAL WOOD FRAME
ABOVE GRADE
NON-BRICK FINISH

REV. NO. 002 TV	DWG NO. C-2
DATE: JAN 2006	SCALE: 1 1/2"=1'-0"
DRAWN BY: J.N / N.L	

C TYPICAL DETAILS (C-3)



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

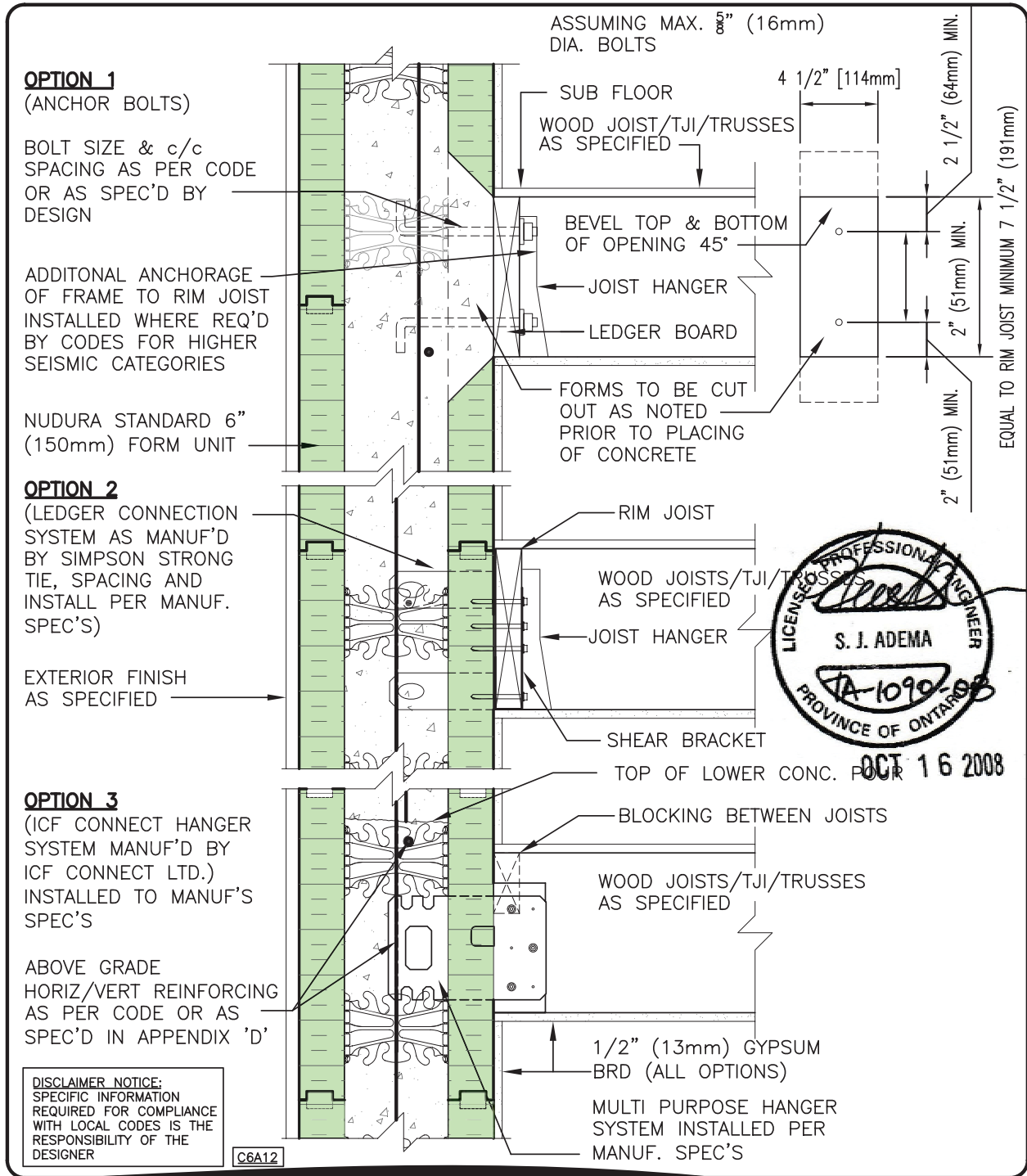
B6B06



6" ONE SIDED TAPERED TOP
STANDARD 6" FORM BELOW GRADE
CONVENTIONAL FRAMED ABOVE GRADE
BRICK VENEER FINISH

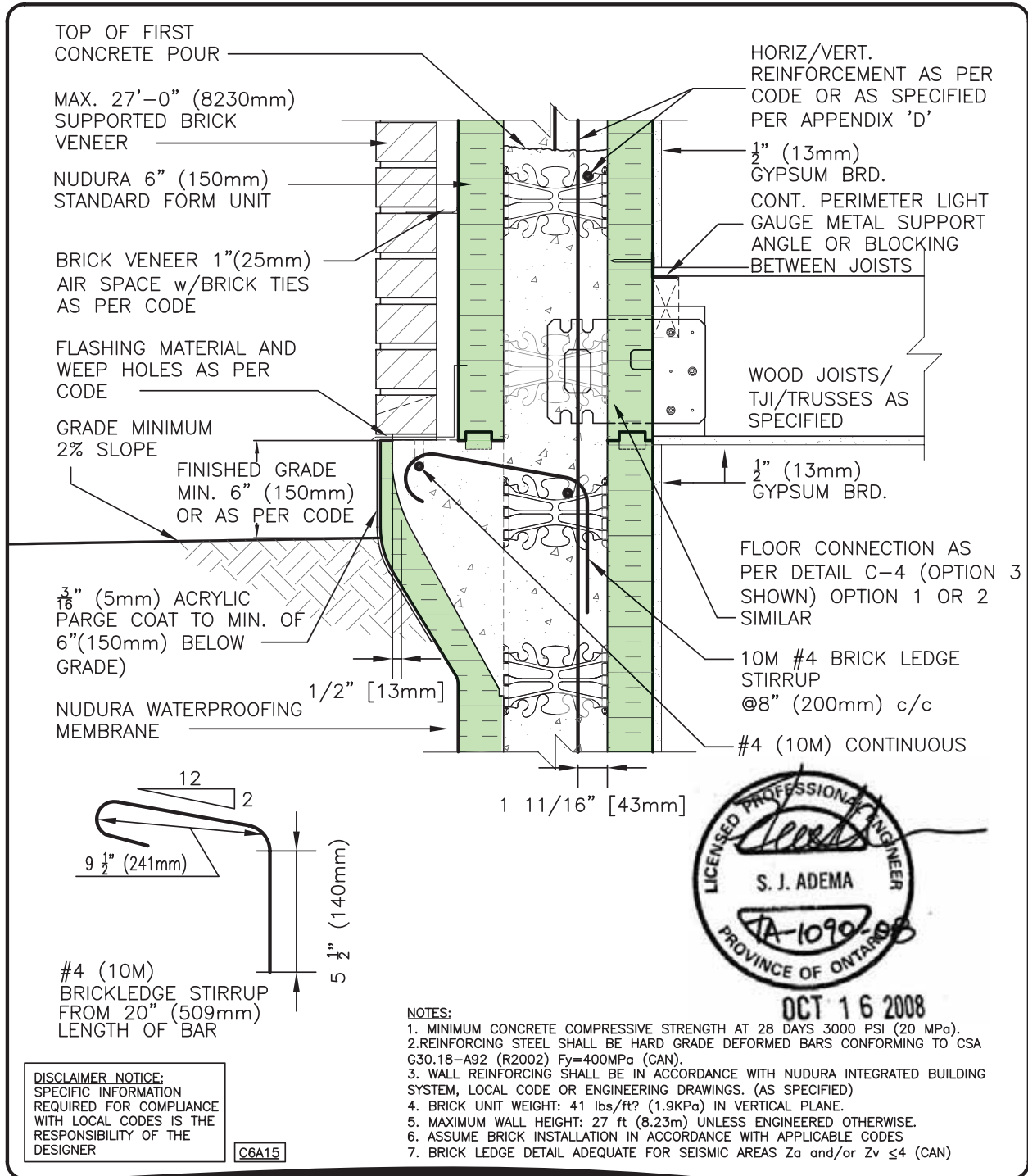
REV. NO. 002 TV	DWG NO. C-3
DATE: JAN 2006	
DRAWN BY: J.N / N.L	SCALE: 1 1/2"=1'-0"

C TYPICAL DETAILS (C-4)



6" STANDARD FORM UNIT FLOOR CONNECTION OPTIONS FLOOR TYPES AND EXTERIOR FINISH AS SPECIFIED	
REV. NO. 003 TV	DWG. NO. C-4
DATE: JAN 2006	
DRAWN BY: J.N / N.L	SCALE: 1 1/2"=1'-0"

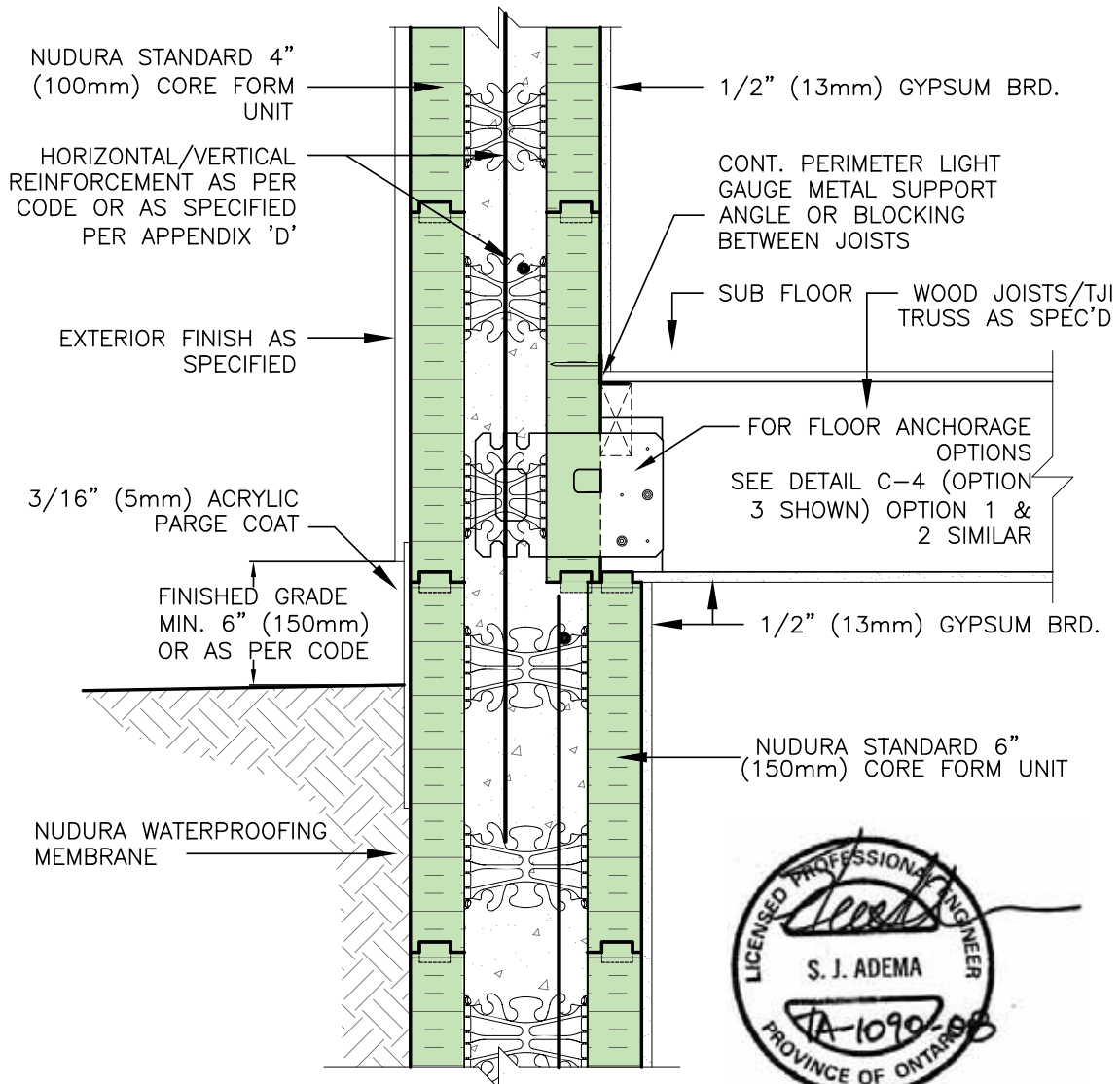
C TYPICAL DETAILS (C-5)



6" MOLDED BRICK LEDGE DETAIL
6" FORM ABOVE GRADE
BRICK VENEER FINISH

REV. NO. 004 TV	DWG NO. C-5
REV. DATE: OCT 2006	
DRAWN BY: J.N / N.L	SCALE: 1 1/2"=1'-0"

C TYPICAL DETAILS (C-6)



LICENSED PROFESSIONAL ENGINEER
 S. J. ADEMA
 TA-1090-08
 PROVINCE OF ONTARIO
 OCT 16 2008

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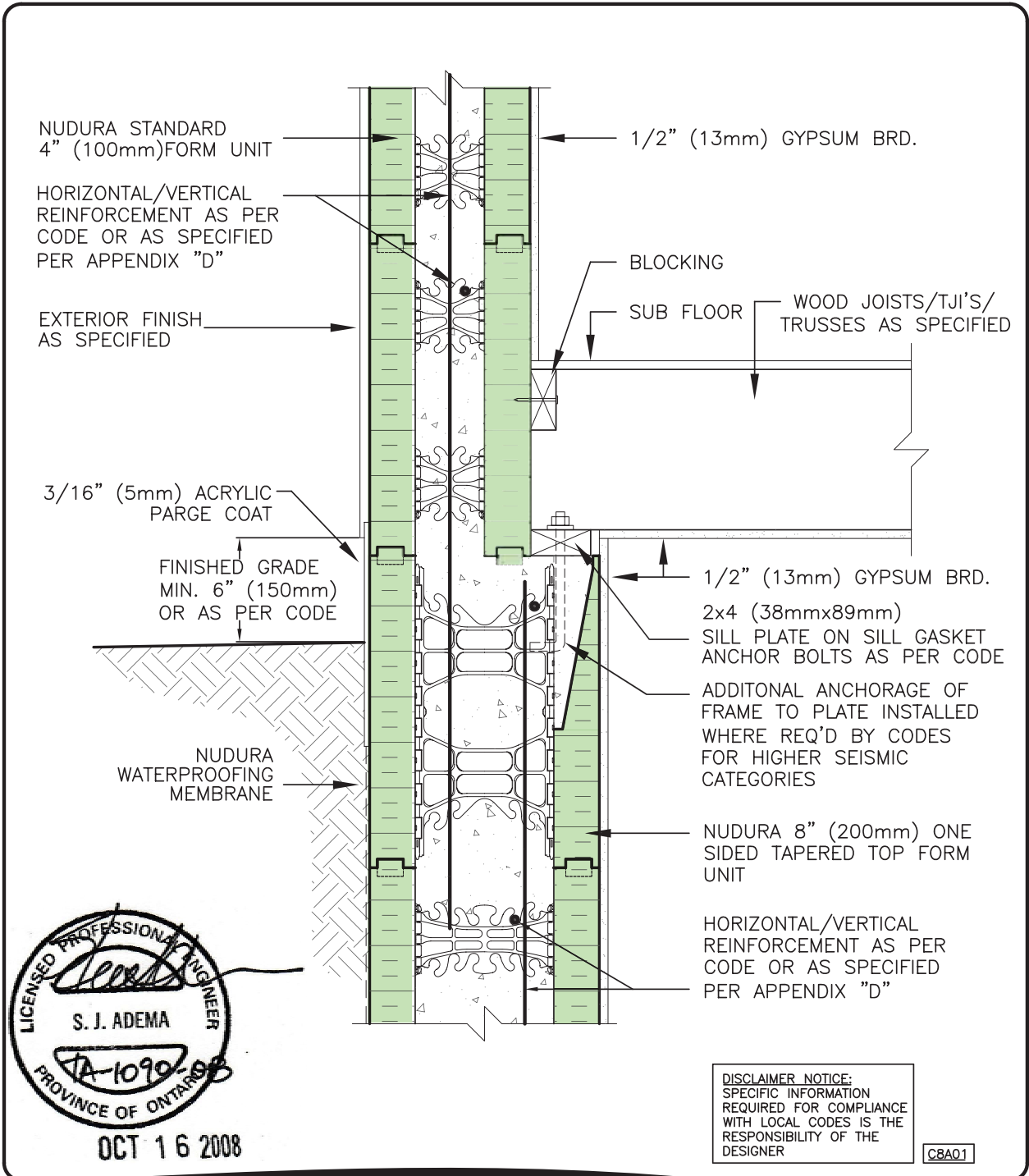
C6A18



FLOOR CONNECTION w/
 MULTI-PURPOSE HANGER @ GRADE
 STANDARD 6" FORM BELOW GRADE
 4" FORM ABOVE GRADE
 NON-BRICK FINISH

REV. NO. 000	DWG. NO. C-6
DATE: JAN 2006	
DRAWN BY: T. VAN CLIEAF	SCALE: 1 1/2"=1'-0"

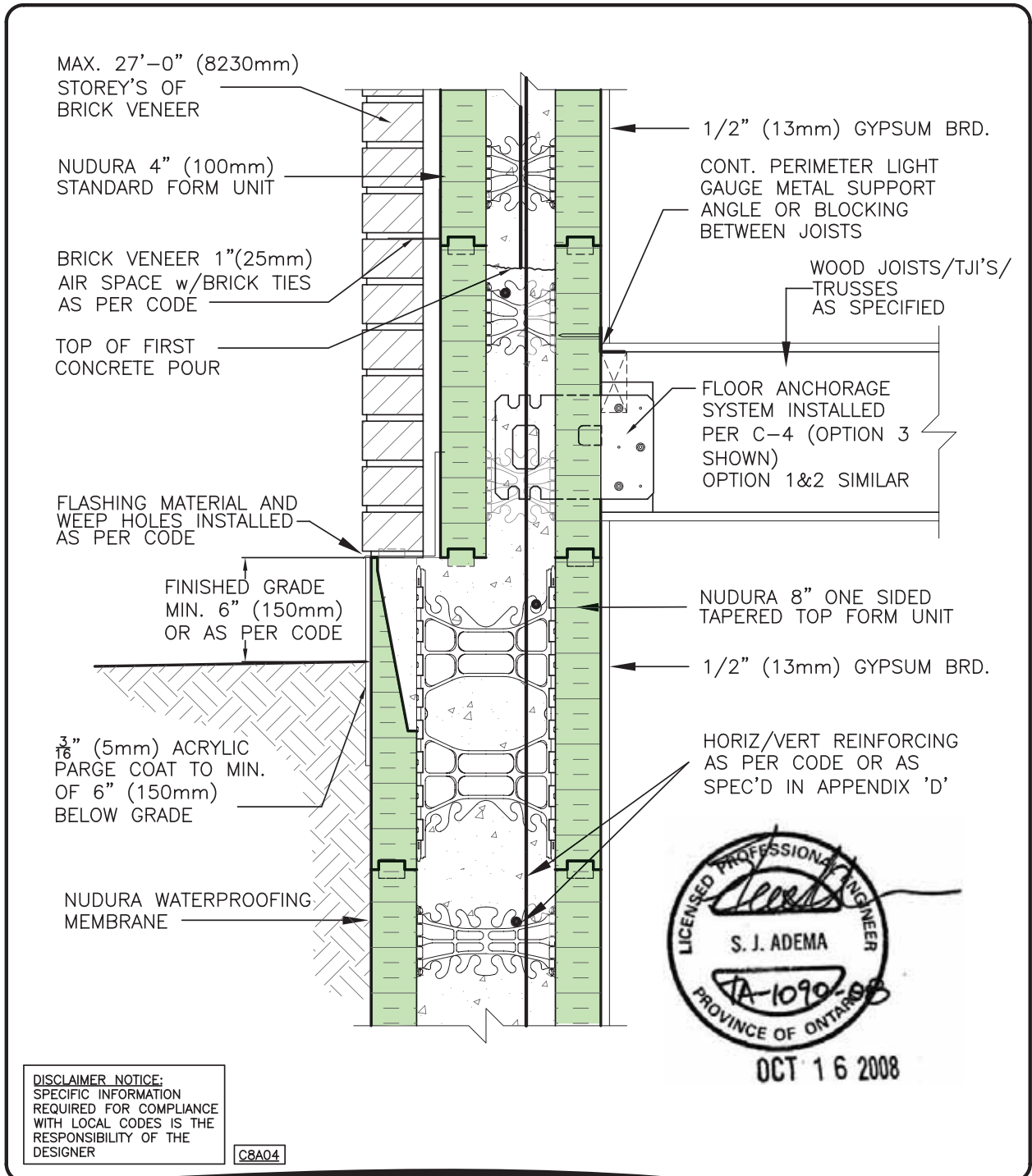
C TYPICAL DETAILS (C-7)



8" TO 4" FLOOR TRANSITION DETAIL
 8" ONE SIDED TAPERED TOP
 8" FORM UNIT BELOW GRADE
 4" FORM UNIT ABOVE GRADE
 NON-BRICK FINISH

REV. NO. 002 TV	DWG NO. C-7
DATE: JAN 2006	
DRAWN BY: J. N / N. L	SCALE: 1 1/2"=1'-0"

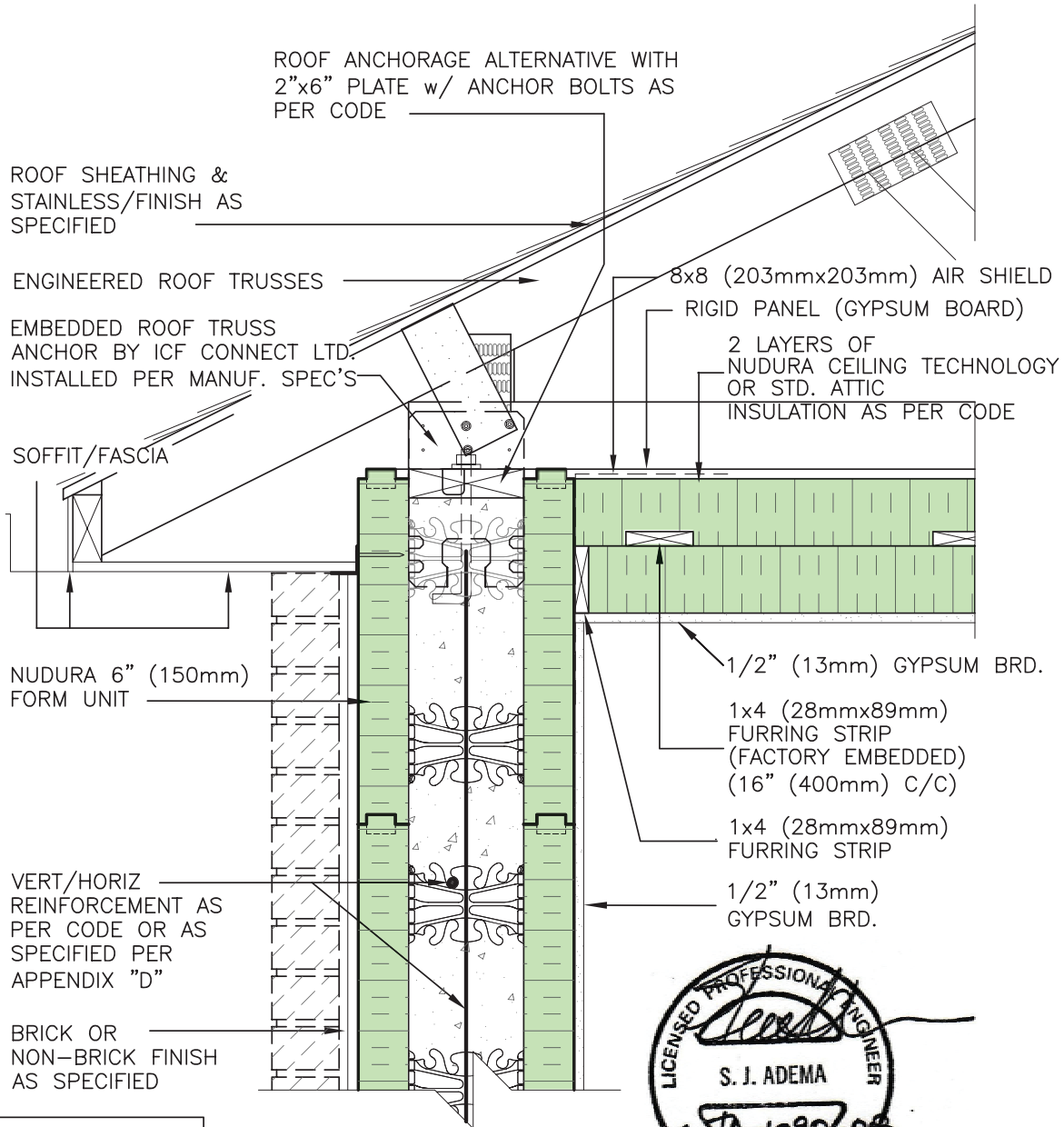
C TYPICAL DETAILS (C-8)



8" TO 4" FLOOR TRANSITION DETAIL
8" ONE SIDED TAPERED TOP
8" FORM UNIT BELOW GRADE
4" FORM UNIT ABOVE GRADE
BRICK VENEER FINISH

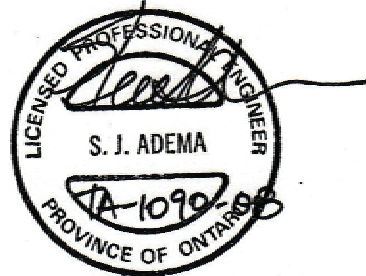
REV. NO. 002 TV	DWG NO. C-8
REV. DATE: JAN 2006	
DRAWN BY: J.N / N.L.	SCALE: 1 1/2"=1'-0"

C TYPICAL DETAILS (C-9)



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 REQUIRED FOR COMPLIANCE
 WITH LOCAL CODES IS THE
 RESPONSIBILITY OF THE
 DESIGNER

F6B10



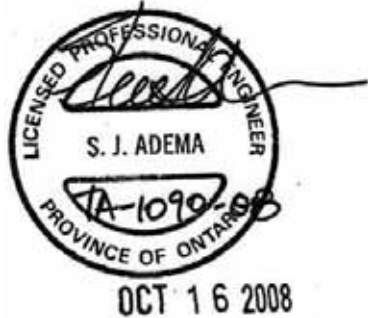
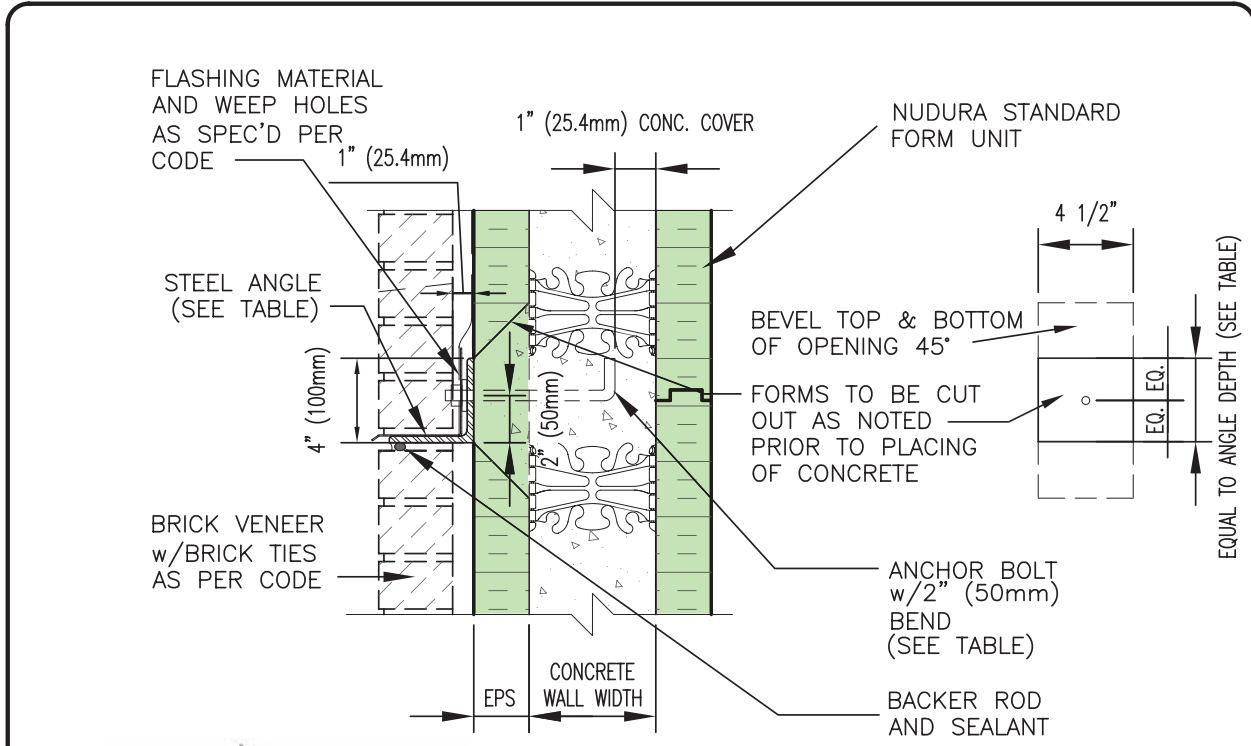
OCT 16 2008



STANDARD 6" FORM UNIT
 ROOF CONNECTION DETAIL
 WITH ROOF TRUSSES
 BRICK OR NON-BRICK FINISH

REV. NO. 003 TV	DWG NO. C-9
REV. DATE: JAN 2006	
DRAWN BY J.N / N.L	SCALE: 1"=1'-0"

C TYPICAL DETAILS (C-10)



	HEIGHT OF SUPPORTED BRICK ABOVE ANGLE	
	10'-0" (3050mm)	20'-0" (6100mm)
ANGLE SIZE	L4" x 4" x 1/4" (L102 x 102 x 6.35)	L4" x 4" x 1/4" (L102 x 102 x 6.35)
ANCHOR SIZE	1/2" DIA. (12.5mm DIA.)	1/2" DIA. (12.5mm DIA.)
ANCHOR SPACING	24" (610mm)	16" (406mm)

- NOTES:**
- 1 ASSUMES BRICK INSTALLATION IN ACCORDANCE WITH APPLICABLE CODES.
 - 2 MIN. STEEL $F_y=43.5$ ksi (300 MPa) YIELD STRENGTH FOR ANGLES
 - 3 ANGLES AND BOLTS TO BE GALVANIZED OR STAINLESS STEEL TO MEET THE REQUIREMENT OF TABLE 5.1 OF A370-04 (CONNECTIONS FOR MASONRY, OR EQUIVALENT STANDARD)

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

A6B03



BRICK SHELF ANGLE
BACK OF ANGLE FLUSH WITH E.P.S. EXTERIOR (MULTI-STORY APPLICATION) PRE-INSTALLATION MOUNT

REV. NO. 002 TV	DWG NO. C-10
REV. DATE: JAN 2006	
DRAWN BY J.N / N.L	SCALE: 1 1/2"=1'-0"

C TYPICAL DETAILS (C-11)

HILTI ANCHORS TO BE SIZED AS PER TABLE

NOTE: MAINTAIN u/s OF ANCHOR SHAFT 2" (50mm) min. CLEARANCE FROM WEBS AND 1"(25mm) COVER ALL AROUND

FLASHING MATERIAL AND WEEP HOLES AS SPEC'D PER CODE

STEEL ANGLE (SEE TABLE)

BRICK VENEER w/BRICK TIES AS PER CODE

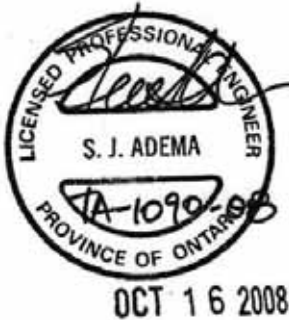
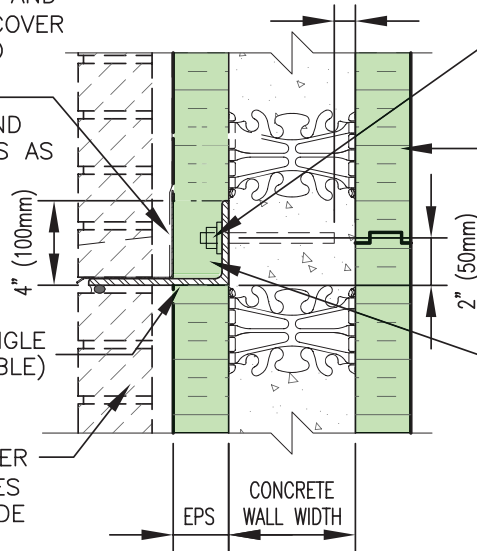
1" (25.4mm) CONC. COVER

WEDGE ANCHOR (SEE TABLE)

NUDURA STANDARD FORM UNIT

REMOVE EXISTING EPS AND REPLACE AFTER INSTALLATION OF SHELF ANGLE

FORM TO BE CUT OUT



ANGLE SIZE	HEIGHT OF SUPPORTED BRICK ABOVE ANGLE	
	10'-0" (3050mm)	20'-0" (6100mm)
ANGLE SIZE	L6" x 4" x 5/16" (L152 x 102 x 7.9)	L6" x 4" x 3/8" (L152 x 102 x 9.5)
ANCHOR SIZE */ EMBEDMENT	HSL M12/25 3.2" (80mm)	HSL M16/25 4.2" (105mm)
ANCHOR SPACING	16" (406mm)	16" (406mm)

* ANCHORS SPECIFIED ABOVE ARE HILTI HEAVY DUTY ANCHORS

NOTES:

- 1 CONTRACTOR TO INSTALL ANCHORS AS PER SUPPLIER'S SPECIFICATIONS.
- 2 ASSUMES BRICK INSTALLATION IN ACCORDANCE WITH APPLICABLE CODES.
- 3 MIN. STEEL Fy=43.5 ksi (300 MPa) YIELD STRENGTH FOR ANGLES
- 4 ANGLES AND BOLTS TO BE GALVANIZED OR STAINLESS STEEL TO MEET THE REQUIREMENT OF TABLE 5.1 OF A370-04 (CONNECTIONS FOR MASONRY, OR EQUIVALENT STANDARD)

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

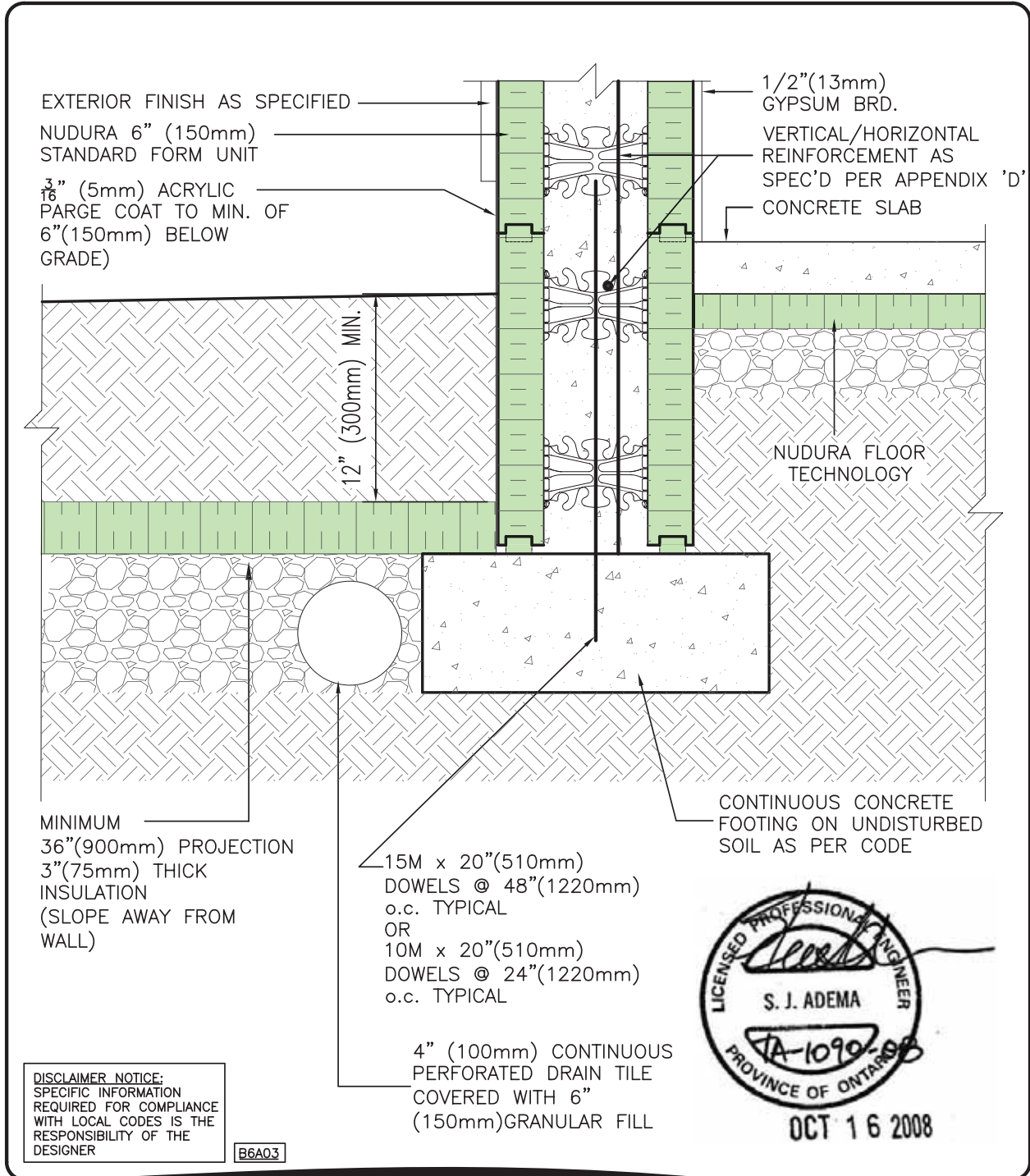
A6B04



BRICK SHELF ANGLE
BACK OF ANGLE FLUSH
WITH CONCRETE
(POST INSTALLATION MOUNT)

REV. NO. 002 TV	DWG NO. C-11
REV. DATE: JAN 2006	
DRAWN BY: J.N / N.L	SCALE: 1 1/2"=1'-0"

C TYPICAL DETAILS (C-12)



NUDURA
INTEGRATED BUILDING TECHNOLOGY
Building Value.

STANDARD 6" FORM UNIT AT SHALLOW INSULATED FOOTING EXTERIOR FINISH AS SPECIFIED

REV. NO. 003 TV	DWG NO. C-12
REV. DATE: JAN 2006	
DRAWN BY J.N / N.L.	SCALE: 1 1/2"=1'-0"

C TYPICAL DETAILS (C-13)

STRUCTURAL NOTES

(DETAILS C-14, C-15, C-16)

GENERAL NOTES:

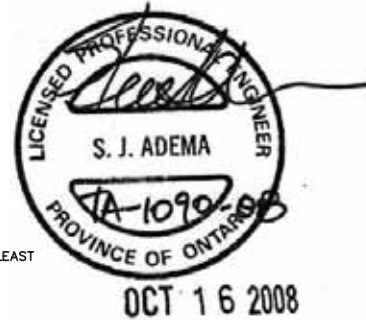
1. THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST EDITIONS OF PART 9 OF THE NATIONAL BUILDING CODE, THE ONTARIO BUILDING CODE, LOCAL REGULATIONS AND BYLAWS AND THE OCCUPATIONAL HEALTH AND SAFETY ACT. THIS DESIGN APPLIES TO RESIDENTIAL BUILDINGS ONLY.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND REPORT TO THE ENGINEER ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSLY AFFECT THE PROPER COMPLETION OF THE PROJECT BEFORE PROCEEDING WITH THE WORK.
3. AN AUTHORIZED NUDURA TRAINED INSTALLER SHALL BE CONTACTED BY THE CONTRACTOR FOR INSPECTIONS OF THE FOUNDATION, REINFORCING STEEL PLACEMENT, ONLY IF REQUIRED BY THE BUILDING OFFICIAL.

DESIGN PARAMETERS:

1. DESIGN LOADS ARE UNFACTORED UNLESS NOTED OTHERWISE:
 - SOIL PRESSURE (LIVE) = 20.4 kN/m³ (130 pcf)
 - DRAINED EARTH IN ACCORDANCE WITH OBC
 - AREA SURCHARGE (LIVE) = 2.4 kPa (50 psf)
2. FOUNDATIONS TO BEAR DIRECTLY ON MATERIAL SUITABLE FOR 75 kPa (1,566 psf) BEARING PRESSURE, UNLESS NOTED. REFER TO SOIL ENGINEERS REPORT FOR FOUNDATION DEPTHS, BEARING PREPARATION, ETC. AS MAY REQUIRED BY LOCAL BUILDING OFFICIAL.
3. SOIL BEARING CAPACITY SPECIFIED MAY NEED TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO THE PLACING OF FOUNDATIONS AND SLABS, ANY NON-CONFORMANCE WITH THE SPECIFIED MINIMUM CATEGORIES MUST BE IMMEDIATELY REPORTED TO THE STRUCTURAL ENGINEER.

CONCRETE AND REINFORCING STEEL:

1. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF CSA. A23.1,2&3 FOR MATERIALS AND WORKMANSHIP.
2. USE MIN. GRADE 400(60 ksi)YIELD STRENGTH DEFORMED REBAR PLACED IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE.
3. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE:
 - 20 MPA (2,900 psi) FOR FOOTINGS
 - 20 MPA (2,900 psi) FOR WALLS.
4. ALL CONCRETE SHALL BE TESTED BY A CSA CERTIFIED CONCRETE TESTING LABORATORY.
5. USE HIGH FREQUENCY VIBRATION TO PLACE ALL CONCRETE.
6. ALL CONCRETE SHALL BE KEPT MOIST DURING THE FIRST TWO DAYS OF CURING.
7. MINIMUM BAR LAP LENGTH SHALL BE:
 - 350 mm (14 inches) FOR 10M (No. 4) BARS
8. MAINTAIN THE FOLLOWING CLEAR CONCRETE COVER TO REINFORCEMENT:
 - 75 mm (3 inches) FOR CONCRETE PLACED AGAINST THE EARTH (BOTTOM OF FOOTINGS).
9. TAKE ADEQUATE MEASURES TO PROTECT CONCRETE FROM EXPOSURE TO FREEZING TEMPERATURES AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT.



FOUNDATIONS:

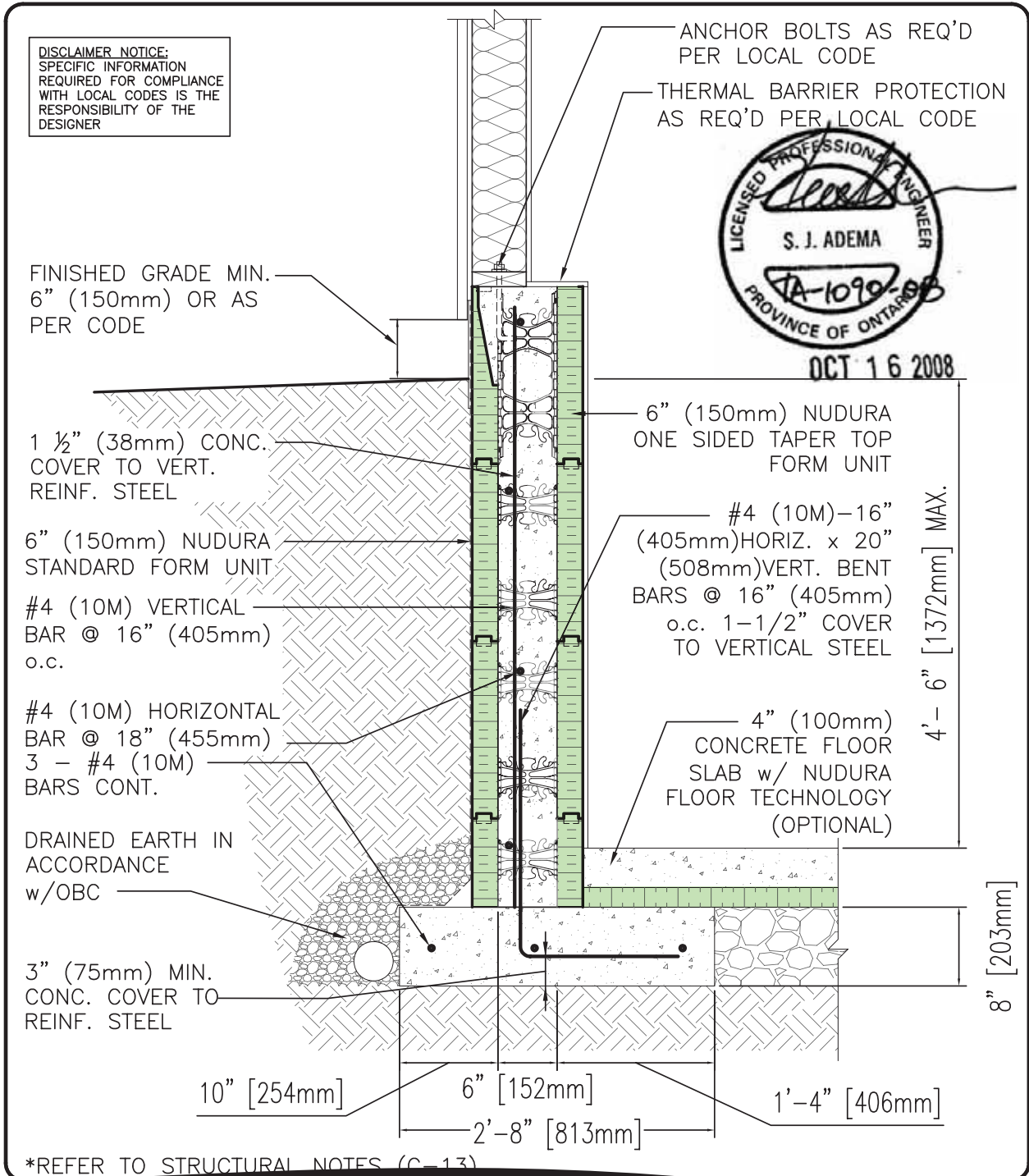
1. FOOTINGS TO BEAR DIRECTLY ON UNDISTURBED NATIVE SOILS OR APPROVED ENGINEERED FILL SUITABLE FOR MINIMUM DESIGN BEARING PRESSURES. (REFER TO SOIL ENGINEERS REPORT FOR RECOMMENDATIONS).
2. SOFT AREAS UNCOVERED DURING EXCAVATION SHALL BE SUB-EXCAVATED TO SOUND MATERIAL AND FILLED WITH CLEAN, FREE DRAINING GRANULAR SOIL COMPACTED TO 100% STANDARD PROCTOR DRY DENSITY (SPDD).
3. DO NOT EXCEED A RISE OF 7 IN A RUN OF 10 (35 DEGREES) IN THE LINE OF SLOPE BETWEEN ADJACENT FOOTING EXCAVATIONS OR ALONG STEPPED FOOTINGS. USE STEPS NOT EXCEEDING 600 mm (24 INCHES) IN HEIGHT AND NOT LESS THAN 600 mm (24 INCHES) IN LENGTH, IN ACCORDANCE WITH OBC 9.15.3.9.
4. MAINTAIN UNSUPPORTED SIDES OF EXCAVATION ONLY IF SAFE INCLINATION OF THE SIDES OF THE EXCAVATION IS PROVIDED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS.
5. ERECT, MAINTAIN, AND IF REQUIRED, REMOVE A SUPPORTING SHORING SYSTEM ALONG THE SIDES OF THE EXCAVATION, DESIGNED BY A PROFESSIONAL ENGINEER, IN ACCORDANCE WITH THE SOILS REPORT AND WPHMS OR OHS A STANDARDS.
6. PROTECT SOIL FROM FREEZING ADJACENT TO AND BELOW ALL FOOTINGS.
7. BACKFILL AGAINST FOUNDATION WALL IN SUCH A MANNER THAT THE LEVEL OF BACKFILL MATERIAL ON ONE SIDE OF THE WALL IS NEVER MORE THAN 450 mm (18 INCHES) DIFFERENT FROM THE LEVEL ON THE LOWER SIDE OF THE WALL, EXCEPT WHERE TEMPORARY SUPPORT FOR THE WALL IS PROVIDED OR WALLS ARE DESIGNED FOR SUCH UNEVEN PRESSURES (AS IN ATTACHED DETAIL).
8. SHOULD UNDERGROUND WATER BE ENCOUNTERED, PROVIDE DE-WATERING FACILITIES TO KEEP WATER LEVEL BELOW FOOTINGS AND POUR AN ADDITIONAL 75 mm (3") LAYER OF LEAN CONCRETE UNDER ALL FOOTINGS.
9. LOCATE ALL FOOTINGS AND PIERS CENTRALLY UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.



LATERALLY UNSUPPORTED KNEE WALL DETAILS FOR BASEMENT 6" (150mm) FORM ONE STOREY WOOD FRAME BRICK AND NON-BRICK FINISH

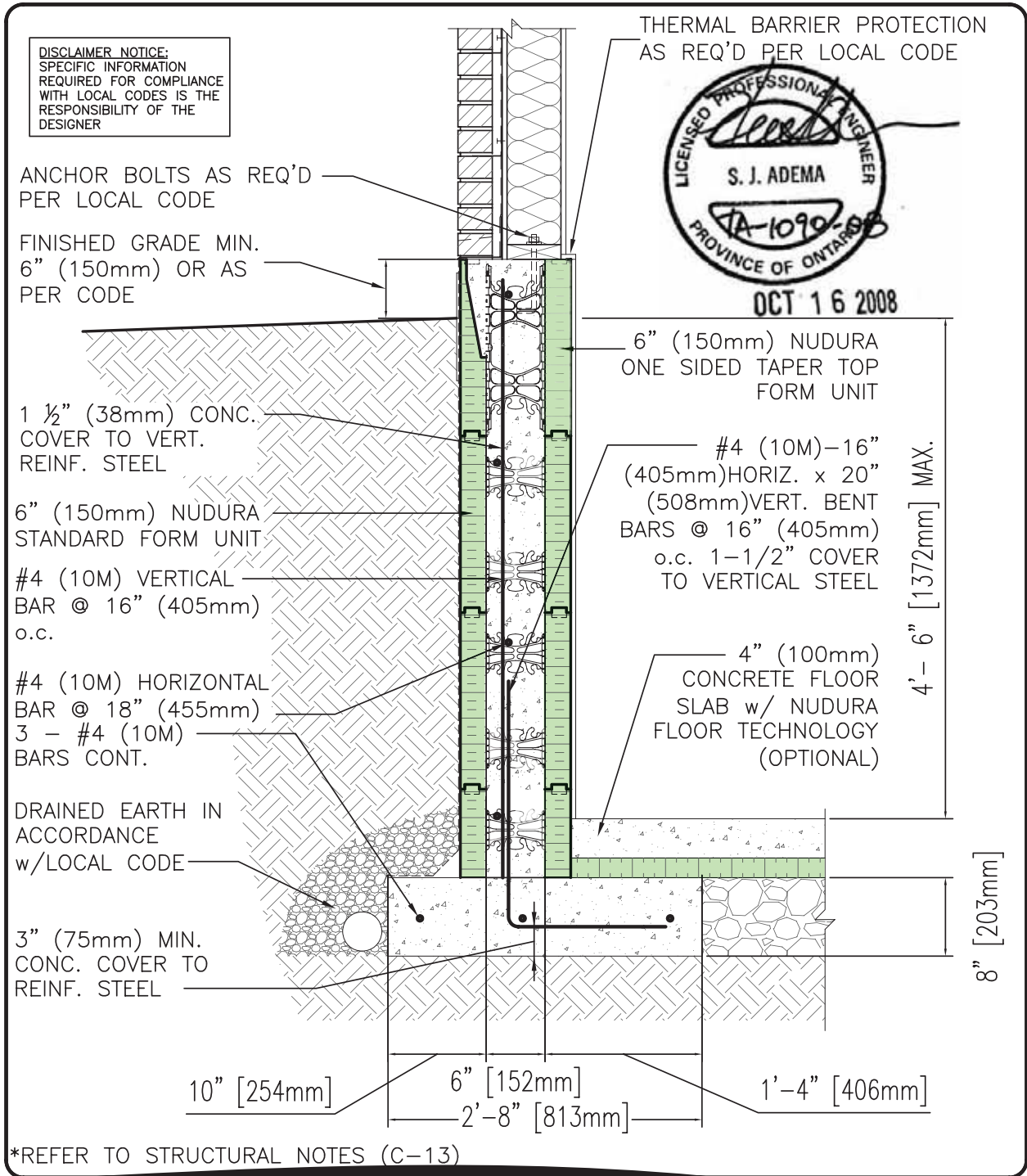
REV. NO. 001 KS	DWG NO. C-13
REV. DATE: SEPT 2008	
DRAWN BY T. VAN CLIEAF	SCALE:

C TYPICAL DETAILS (C-14)



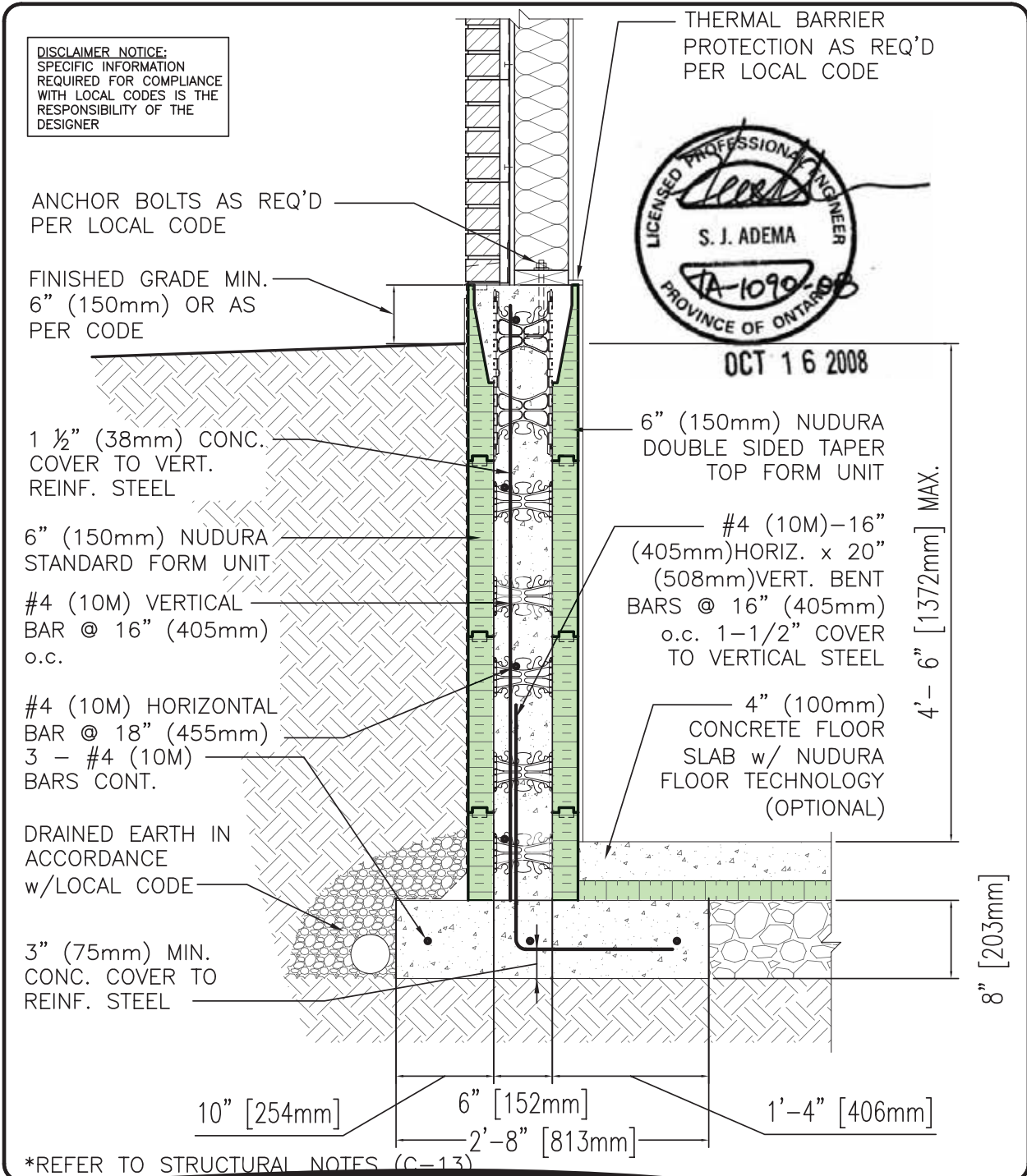
KNEE WALL DETAIL BASEMENT 6" (150mm) FORM ONE STOREY WOOD FRAME NON-BRICK FINISH	
REV. NO. 001 KS	DWG NO. C-14
REV. DATE: SEPT 2008	
DRAWN BY T. VAN CLIEAF	SCALE: "Not to Scale"

C TYPICAL DETAILS (C-15)



<p>NUDURA INTEGRATED BUILDING TECHNOLOGY <i>Building Value.</i></p>		KNEE WALL DETAIL BASEMENT 6" (150mm) FORM ONE STOREY WOOD FRAME BRICK FINISH	
		REV. NO. 001 KS	DWG NO. C-15
REV. DATE: SEPT 2008		SCALE: "Not to Scale"	
DRAWN BY K. STILL			

C TYPICAL DETAILS (C-16)



KNEE WALL DETAIL BASEMENT 6" (150mm) FORM ONE STOREY WOOD FRAME BRICK FINISH	
REV. NO. 001 KS	DWG NO. C-16
REV. DATE: SEPT 2008	
DRAWN BY K. STILL	SCALE: "Not to Scale"