

SB-12 PRESCRIPTIVE ENERGY EFFICIENCY DESIGN MATRIX				
PRESCRIPTIVE PACKAGE <div>A1</div>		GLASS/WALL AREA RATIO		
		ELEV. 1	WALL AREA	0.0 m ²
			GLASS AREA	0.0 m ²
			% GLASS	0.0 %
		ELEV. 2	WALL AREA	382.0 m ²
			GLASS AREA	41.2 m ²
% GLASS	10.79 %			
SPACE HEATING FUEL		ELEV. 3	WALL AREA	000.00 m ²
■ GAS □ OIL			GLASS AREA	00.00 m ²
□ ELECTRIC □ PROPANE			% GLASS	0.00 %
□ EARTH □ SOLID FUEL				
BUILDING COMPONENTS			PROPOSED (A1)	
INSULATION (RSI)				
CEILING W/ATTIC SPACE			10.57 (R60)	
CEILING W/O ATTIC SPACE			5.46 (R31)	
EXPOSED FLOOR			5.46 (R31)	
WALLS ABOVE GRADE			4.22 (R24)	
BASEMENT WALLS			3.52 (R20)	
BELOW GRADE SLAB ENTIRE SURFACE >600mm BELOW GRADE			-	
EDGE OF BELOW GRADE SLAB ≤600mm BELOW GRADE			1.76 (R10)	
HEATED SLAB ≤600mm BELOW GRADE			1.76 (R10)	
CONC. SLAB ≤600mm) BELOW GRADE			1.76 (R10)	
WINDOWS & DOORS (U-VALUE)				
WINDOWS/SLIDING GLASS DOORS (MAX. U-VALUE)			1.6 (0.28)	
SKYLIGHTS (MAX. U-VALUE)			2.8 (0.49)	
APPLIANCE EFFICIENCY				
SPACE HEATING EQPT. (MIN. AFUE %)			96%	
HRV EFFICIENCY (%) (MIN. SRE)			75%	
DHW HEATER (MIN. EF)			0.8	

TYPICAL BASEMENT FLOOR PLAN NOTES

ALL CONCRETE FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH A MIN. ALLOWABLE BEARING CAPACITY OF 75Kpa (1500 PSF), AND BE FOUNDED A MIN. OF 4'-0" BELOW FINISHED GRADE.

CONCRETE STRENGTH FOR WALLS AND FOOTINGS SHALL BE A MINIMUM OF 15Mpa.

CONCRETE STRENGTH FOR GARAGE SLABS, CONC. PORCHES, AND STEPS SHALL BE A MINIMUM OF 32Mpa. WITH 5-8% AIR ENTRAINMENT.

CONCRETE STRIP FOOTING SIZE FOR 8" POURED CONC. WALLS SHALL BE A MINIMUM OF 6"x20" UNREINFORCED.

THE ABOVE FOOTING SIZE WILL BE USED FOR FOUNDATION WALLS WHICH SUPPORT 2 STOREYS OF BRICK VENEER WALL CONSTRUCTION, 2 FLOORS AND A ROOF OF LIGHT WOOD FRAME CONSTRUCTION, WITH THE SPAN OF SUPPORTED JOISTS THAT DO NOT EXCEED 4.9m (16'-1") AT A SPECIFIED LIVE LOAD OF NOT GREATER THAN 2.4 Kpa (50 PSF).

REFER TO BASEMENT PLAN FOR FOOTING SIZES IN AREAS EXCEEDING THE ABOVE CONDITIONS.

3/4" SUB-FLOOR TO BE GLUED & NAILED (TYP.)

REFER TO APPROVED FLOOR JOIST LAYOUT DRAWINGS, DETAILS AND SPECIFICATIONS FOR ALL FLOOR FRAMING AND DETAILS.

ALL JOISTS UNDER CERAMIC TILES TO BE INSTALLED AS PER JOIST MANUF. SHOP DWGS

CONC. PAD FOOTING LEGEND (75 KPa)

(UNLESS OTHERWISE SPECIFIED)

- F1 = 42"x42"x18" CONCRETE PAD
F2 = 36"x36"x16" CONCRETE PAD
F3 = 34"x34"x14" CONCRETE PAD
F4 = 30"x30"x12" CONCRETE PAD
F5 = 24"x24"x12" CONCRETE PAD
F6 = 18"x18"x10" CONCRETE PAD
F7 = 16"x16"x8" CONCRETE PAD

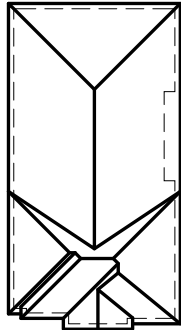
AMELIA 3

(MODEL 2970 S.F.)



FRONT ELEVATION 2
LOT-14

AREA CALCULATIONS - EL. 2	
TOTAL GROUND FLOOR AREA	= 1323 SQ. FT.
TOTAL SECOND FLOOR AREA	= 1677 SQ. FT.
TOTAL GROSS FLOOR AREA	= 3000 SQ. FT.
	278.71 m ²
SUBTRACT OPEN AREAS	= 30 SQ. FT.
	2.79 m ²
TOTAL NET FLOOR AREA	= 2970 SQ. FT.
	275.92 m ²



ROOF PLAN

N.T.S.

W Architect Inc.
DESIGN CONTROL REVIEW

FEB. 04, 2019

FINAL BY: MMI

This stamp is only for the purposes of design control and carries no other professional obligations.

2970
11.0m LOTS
AMELIA 3-14
ELEVATION 2
(GR)
PACKAGE 'A1'
O.REG. 332/12

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1	APR. 25, 2018	ISSUED TO CONTROL ARCHITECT FOR PRELIMINARY APPROVAL

No: DATE: WORK DESCRIPTION:

jardin
DESIGN GROUP INC
64 JARDIN DR, SUITE 3A
VAUGHAN ONT. L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer

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Walter Botter  21031
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
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jardin design group inc. 27763
FIRM NAME BCIN

TITLE SHEET

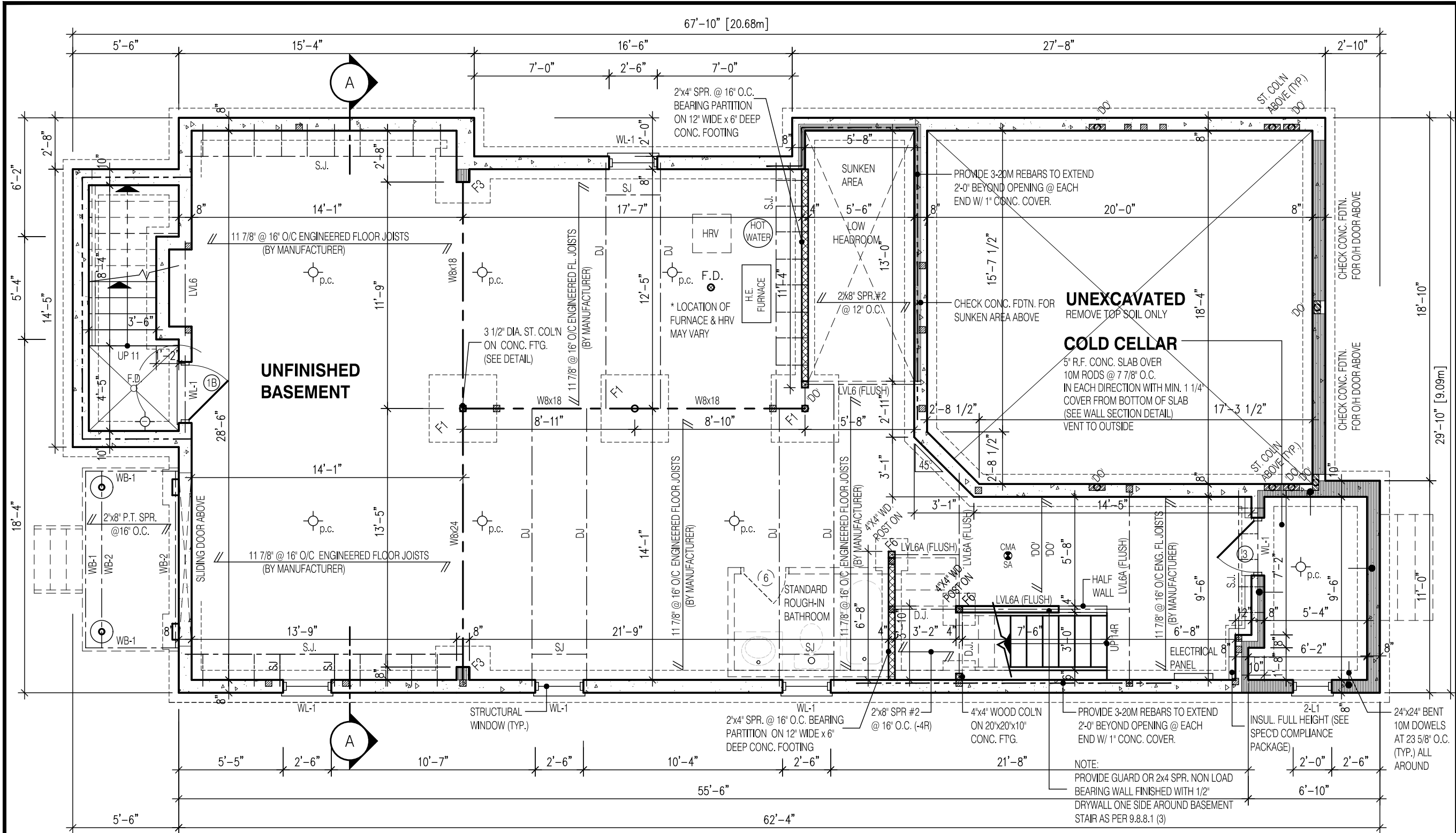
GRANELLI HOMES
BRAMPTON



MODEL: ----

SCALE: 3/16"=1'-0"

PROJ. No. 17-55 DWG. No. 0



NOTE:
FOR WALK-UP AND DECK
CONDITION, REFER TO PARTIAL
PLANS ON PAGE 3A-1

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NOTE:
FOR TYP. BASEMENT FLOOR PLAN NOTES, SIZES PERTAINING TO
LAMINATED VENEER LUMBER (LVL) BEAMS, WOOD LINTELS, STEEL
LINTELS, BRICK VENEER LINTELS, AND DOORS REFER TO SHEET 0

CONC. PAD FOOTING
LEGEND (75 KPa)
(UNLESS OTHERWISE SPECIFIED)
F1 = 42"x42"x18" CONCRETE PAD F5 = 24"x24"x12" CONCRETE PAD
F2 = 36"x36"x16" CONCRETE PAD F6 = 18"x18"x10" CONCRETE PAD
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F4 = 30"x30"x12" CONCRETE PAD

NOTE:
SUBFLOOR TO BE 3/4" PLYWOOD ON THIS LEVEL.
ALL FLOORS TO BE NAILED AND GLUED ON THIS LEVEL

NOTE:
SPACE CONVENTIONAL FLOOR JOISTS
@ 12" O.C. BELOW ALL CERAMIC TILE AREAS.
PROVIDE 1 ROW BRIDGING FOR SPANS OF 5'-7',
2 ROWS FOR SPANS GREATER THAN 7'

NOTE:
THESE DRAWINGS ARE TO BE READ IN
CONJUNCTION WITH ENGINEER APPROVED
FLOOR TRUSS LAYOUT BY MANUFACTURER.

LEGEND:

- BUILDING FACE < THAN 4'-0" (1.2m)
(45 MIN. FIRE RATING REQ'D)
- INDICATES SOLID BEARING REQUIRED
OR POINT LOAD FROM ABOVE
- STL. PLATE FOR STEEL COL'N ABOVE
LAMINATED VENEER LUMBER
- LVL
- S.J. SINGLE JOIST
- D.J. DOUBLE JOIST
- T.J. TRIPLE JOIST
- REPEAT NOTE
- SHOWER WEEPERS
- ELECTRIC VEHICLE CHARGING SYSTEM

STRUDET INC.

REGISTERED PROFESSIONAL ENGINEER
B. MARINKOVIC
PROVINCE OF ONTARIO

FOR STRUCTURE ONLY

2970

11.0m LOTS

AMELIA 3-14

ELEVATION 2

(GR)

PACKAGE 'A1'

O.REG. 332/12

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jardin

DESIGN GROUP INC

64 JARDIN DR, SUITE 3A

VAUGHAN ONT, L4K 3P3

TEL: 905 660-3377 FAX: 905 660-3713

EMAIL: info@jardindesign.ca

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Walter Botter *WBe* 21031

NAME SIGNATURE BCIN

REGISTRATION INFORMATION
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jardin design group inc. 27763

FIRM NAME BCIN

BASEMENT PLAN EL-2

GRANELLI HOMES

BRAMPTON

BILD

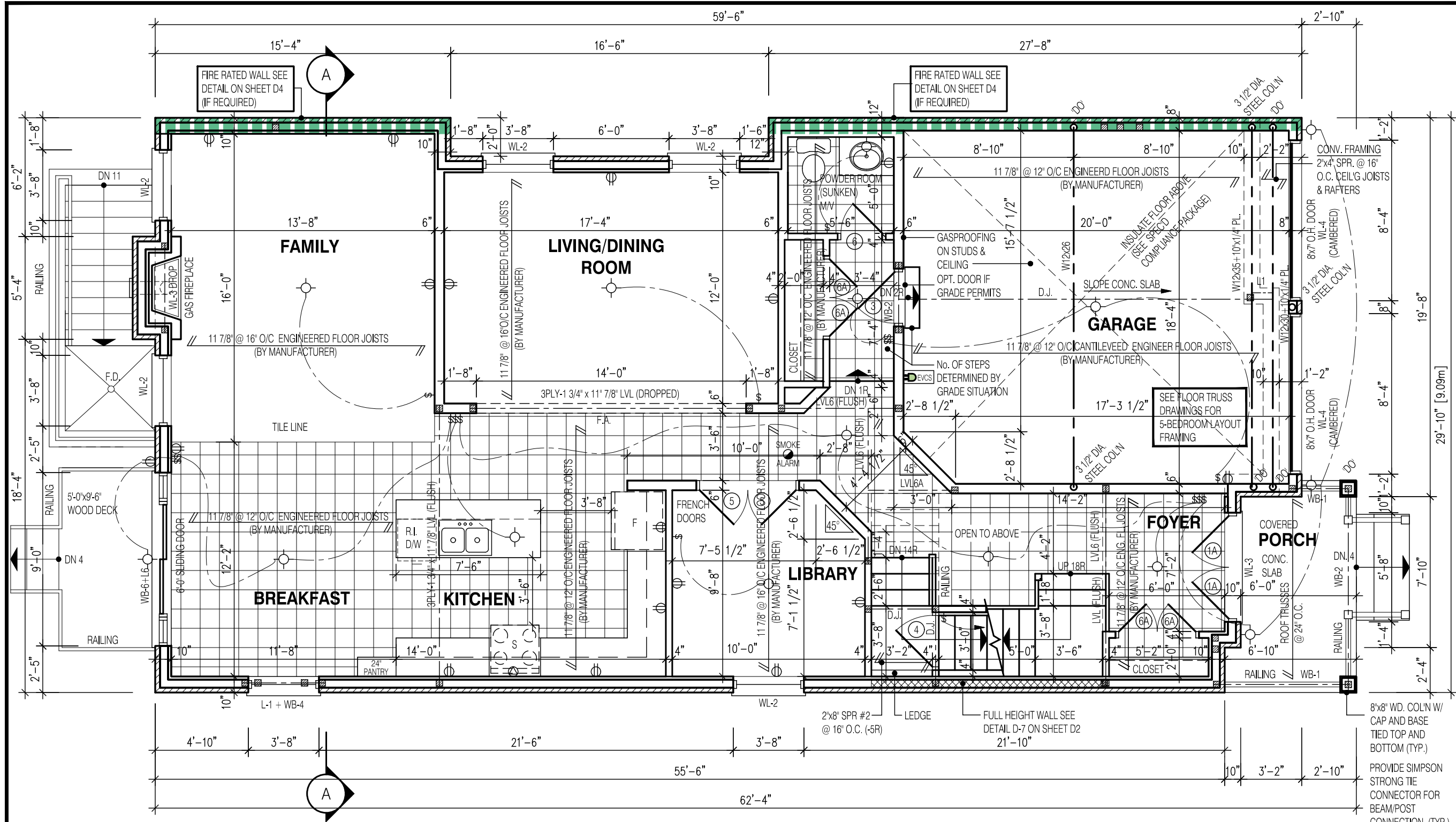
MODEL: ---

SCALE: 3/16"=1'-0"

PROJ. No. 17-55

DWG. No. 1A

DRAWN BY: DRAWING NAME: ---



NOTE:
FOR WALK-UP AND DECK
CONDITION, REFER TO PARTIAL
PLANS ON PAGE 3A-1

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
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NOTE:
SUBFLOOR TO BE 5/8" PLYWOOD ON THIS LEVEL.
ALL FLOORS TO BE NAILED AND GLUED ON THIS LEVEL

NOTE:
SPACE CONVENTIONAL FLOOR JOISTS @ 12" O.C. BELOW ALL CERAMIC TILE AREAS. PROVIDE 1 ROW BRIDGING FOR SPANS OF 5'-7", 2 ROWS FOR SPANS GREATER THAN 7'

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ENGINEER APPROVED FLOOR TRUSS LAYOUT BY MANUFACTURER.

- LEGEND:**
- BUILDING FACE < THAN 4'-0" (1.2m) (45 MIN. FIRE RATING REQ'D)
 - INDICATES SOLID BEARING REQUIRED OR POINT LOAD FROM ABOVE
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 - SHOWER WEEPERS
 - ELECTRIC VEHICLE CHARGING SYSTEM

STRUDET INC.

FOR STRUCTURE ONLY

2970

11.0m LOTS

AMELIA 3-14

ELEVATION 2

(GR)

PACKAGE 'A1'

O.REG. 332/12

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Walter Botter

21031

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jardin design group inc.

27763

FIRM NAME BCIN

FIRST FLOOR PLAN EL-2

GRANELLI HOMES

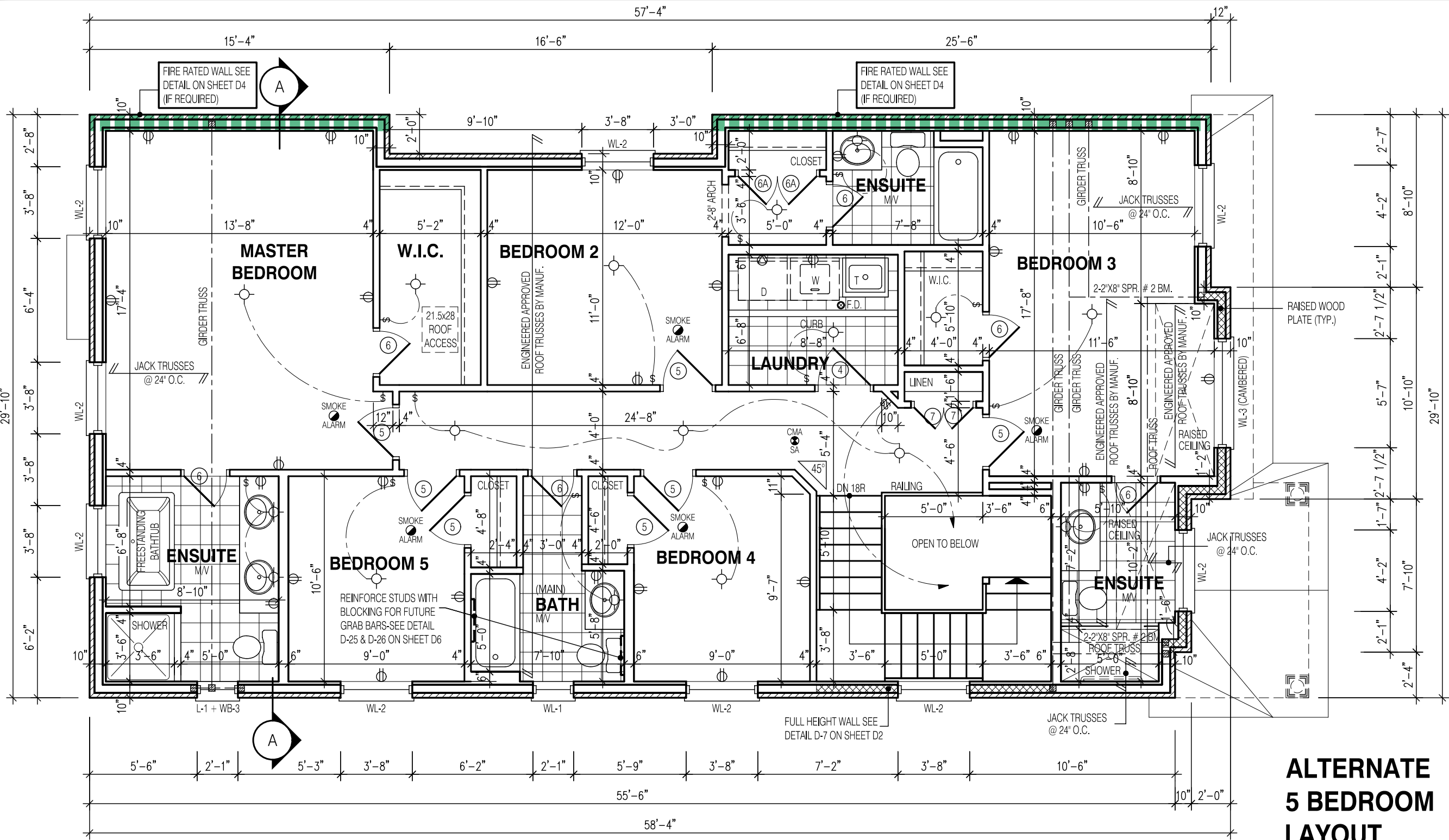
BRAMPTON

MODEL: ---

SCALE: 3/16"=1'-0"

PROJ. No. 17-55

DWG. No. 2A



ALTERNATE
5 BEDROOM
LAYOUT

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NOTE:

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NOTE:

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBC. ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPF. @ 24" O.C. WITH A 2"x4" SPF VERTICAL POST TO THE TRUSS UNDER, AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE Laterally Braced so that the distance between end points & between rows of bracing does not exceed 6'.

LEGEND:

- BUILDING FACE < THAN 4'-0" (1.2m) (45 MIN. FIRE RATING REQ'D)
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STRUDET INC.



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2970
11.0m LOTS
AMELIA 3-14
ELEVATION 2
(GR)
PACKAGE 'A1'
O.REG. 332/12

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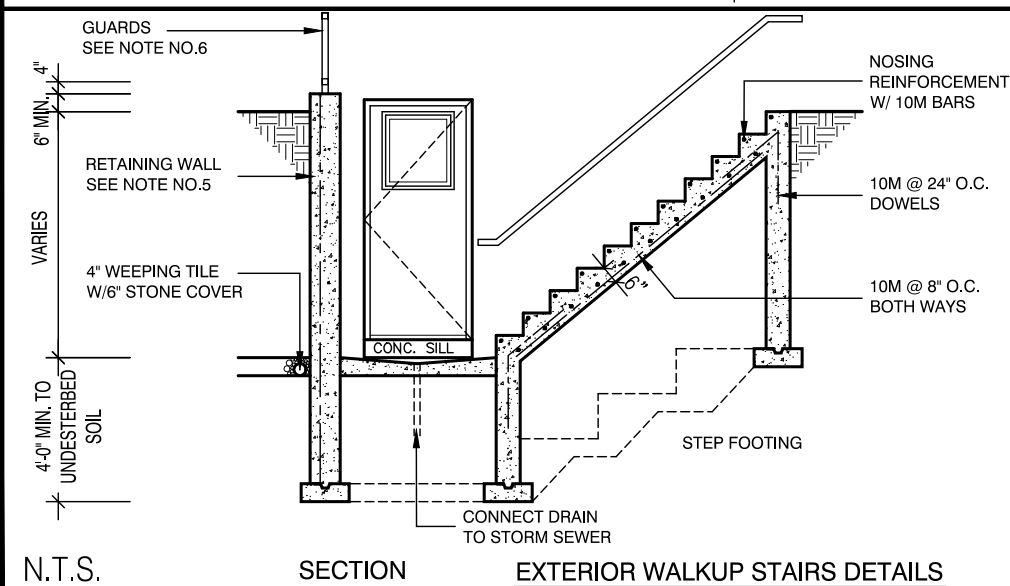
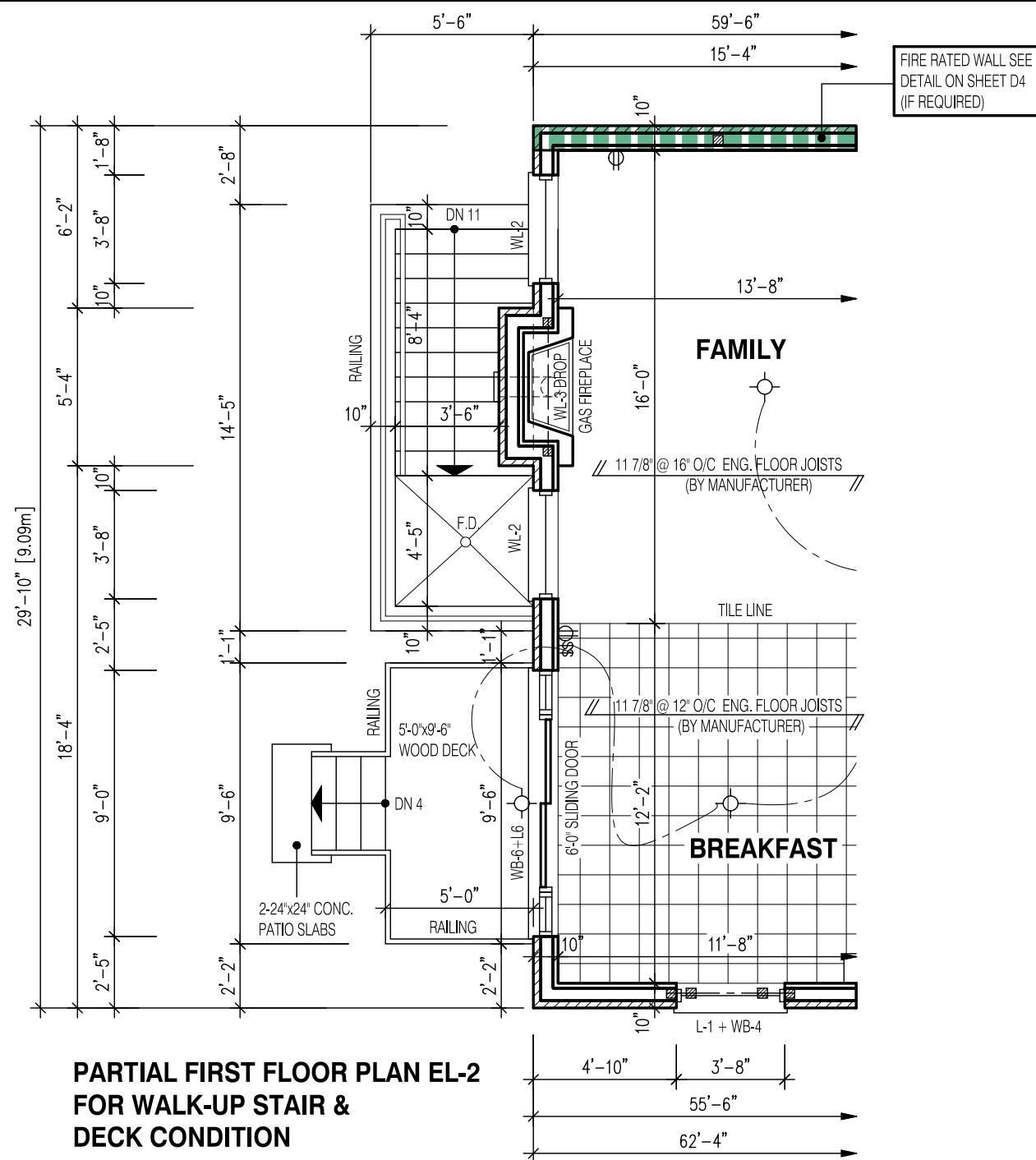
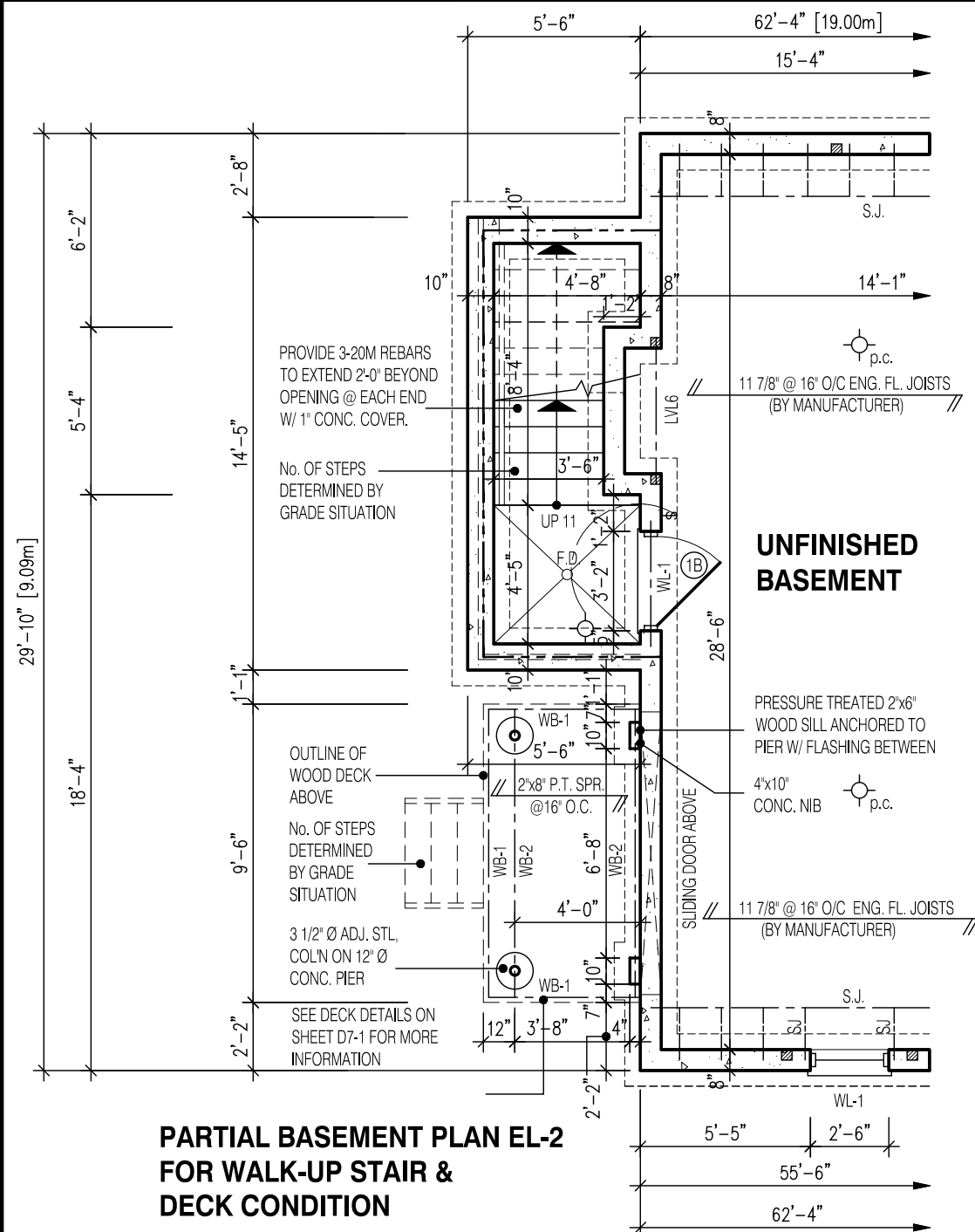
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jardin design group inc. 27763
FIRM NAME BCIN

ALT.SEC. FL. PLAN EL-2

GRANELLI HOMES
BRAMPTON

BILD
MODEL: ---
SCALE: 3/16"=1'-0"
PROJ. No. 17-55 DWG. No. 3A



- GENERAL NOTES:**
- FOOTING**
1. 24"x8" POURED CONC. FOOTING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OR COMPACTED GRANULAR FILL.
- CONCRETE**
2. MINIMUM COMPRESSIVE STRENGTH OF 32 MPa (4650 psi) @ 28 DAYS W/ 5% TO 8% AIR ENTRAINMENT.
- EXTERIOR STAIRS**
3. 7 7/8" RISE MAXIMUM
8 1/4" RUN MINIMUM
9 1/4" TREAD MINIMUM
- INSULATION**
4. FOR INSULATION VALUE & VAPOUR BARRIER LOCATION REFER TO NOTE 13 OF STANDARD NOTES.
- RETAINING WALL**
5. 10" POURED CONCRETE W/ NO REINFORCING REQUIRED FOR WALL HEIGHTS TO A MAX. OF 4'-7". PROVIDE 15M VERTICAL REINFORCEMENT @ 16" O.C. AND 15M HORIZONTAL REINFORCEMENT @ 24" O.C. FOR WALL HEIGHTS TO 7'-0". RETAINING WALL TO RESIST LATERAL DESIGN LOADS AS PER OBC DIVISION B SECTION 4.1.5.16.
- GUARDS**
6. 3'-6" HIGH WHERE DISTANCE FROM GRADE TO BOTTOM OF WALKOUT EXCEEDS 5'-11". 2'-11" FOR LESSER HEIGHTS. MAXIMUM 4" BETWEEN VERTICAL PICKETS.

STRUDET INC.



FOR STRUCTURE ONLY

W Architect Inc.
DESIGN CONTROL REVIEW

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NOTE:

RAILING REQUIRED WHEN
GRADE IS MORE THAN 2'-0"

NOTE:

WHEN VENEER CUT IS GREATER
THAN 26", A 10" POURED CONCRETE
FOUNDATION WALL IS REQUIRED

NOTE:

ACTUAL FINISH GRADES MAY VARY DEPENDING
ON LOT CONDITIONS.
(REFER TO GRADING PLANS)

2970
11.0m LOTS
AMELIA 3-14 ELEVATION 2 (GR)
PACKAGE 'A1'
O.REG. 332/12

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FIRM NAME	BCIN

WALK-UP & DECK CONDITION EL-2

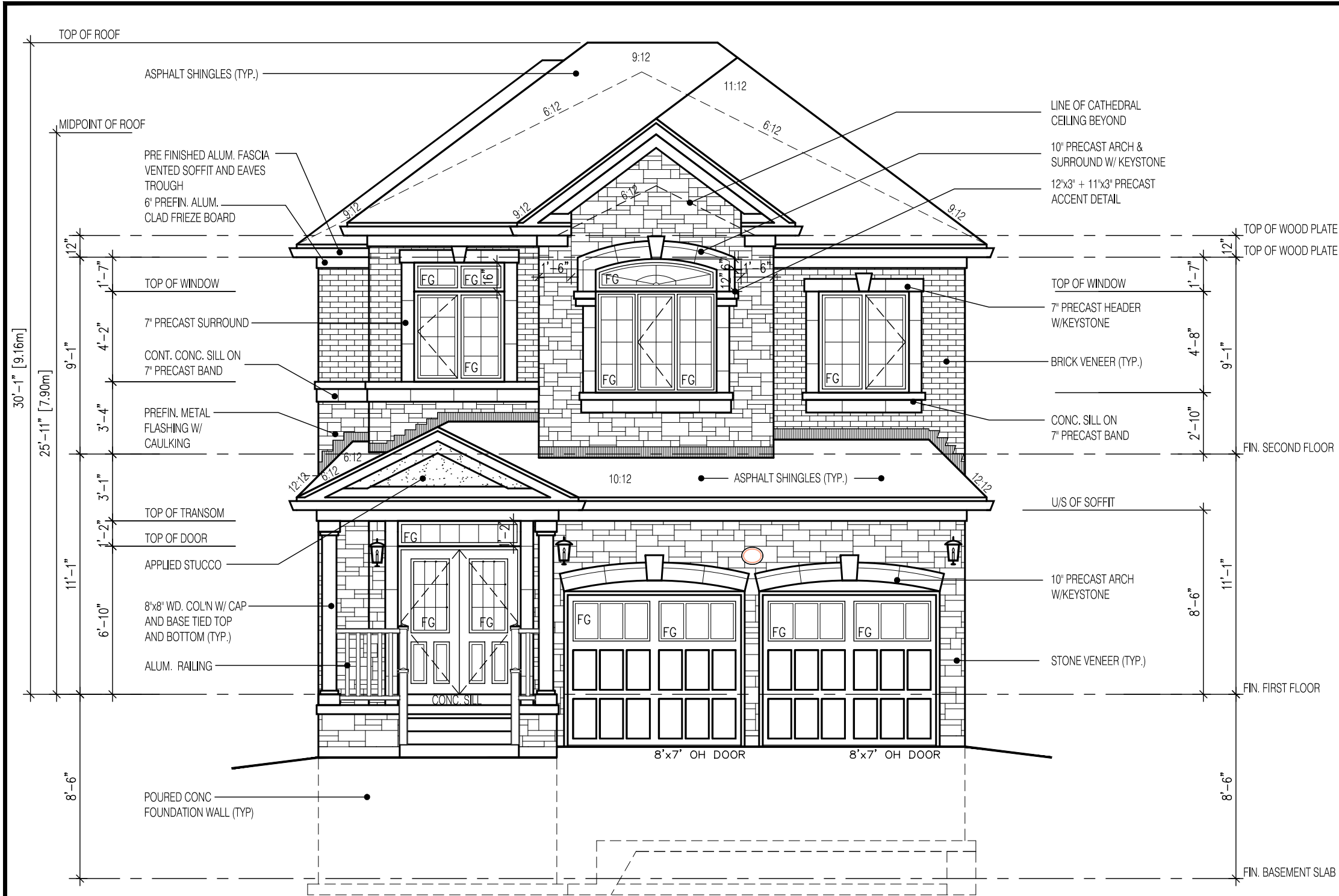
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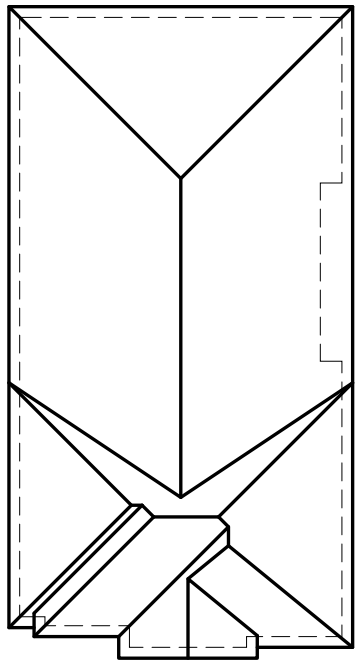
MODEL:

SCALE: 2/16" = 1' 0"

PROJ. No.	DWG. No.
17-55	3A-1



FRONT ELEVATION 2
LOT-14



ROOF PLAN

N.T.S.

2970-ELEV.-2		ENERGY EFFICIENCY- SB12	
ELEVATION	WALL FT ²	OPENING FT ²	PERCENTAGE
FRONT	710.00	96.87	13.64 %
LEFT SIDE	1382.00	116.00	8.39 %
RIGHT SIDE	1284.35	58.00	4.52 %
REAR	736.00	173.00	23.51 %
TOTAL	4112.35	443.87	10.79 %

DRAWN BY: DRAWING NAME: —

2970

11.0m LOTS

AMELIA 3-14
ELEVATION 2
(GR)

PACKAGE 'A1'

O.REG. 332/12

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1	APR. 25, 2018	ISSUED TO CONTROL ARCHITECT FOR PRELIMINARY APPROVAL

No: DATE: WORK DESCRIPTION:

jardin

DESIGN GROUP INC

64 JARDIN DR, SUITE 3A
VAUGHAN ONT, L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer

QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.5 of the building code

Walter Botter

21031

NAME SIGNATURE BCIN

REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the building code

jardin design group inc.

27763

FIRM NAME BCIN

FRONT ELEVATION 2

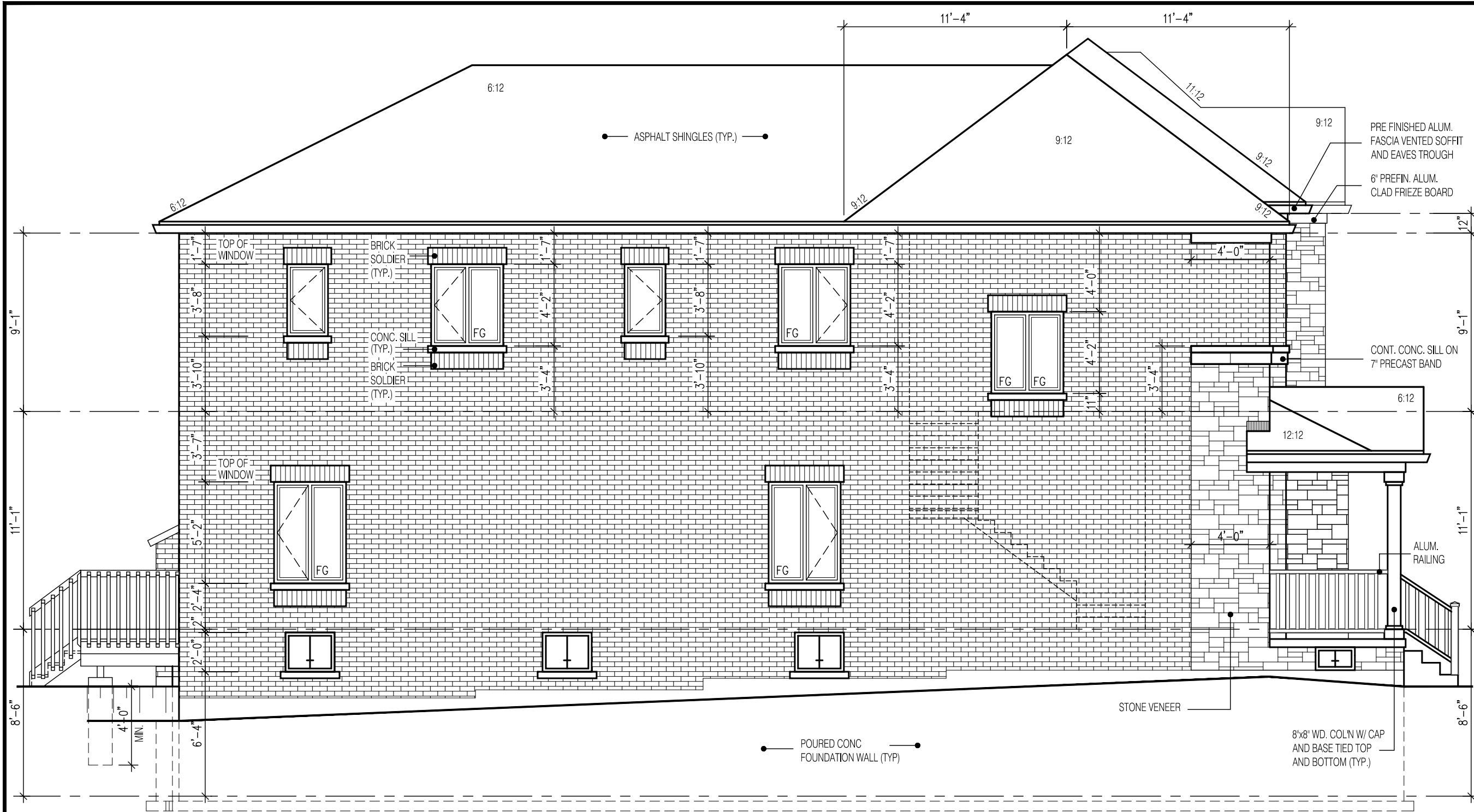
GRANELLI HOMES
BRAMPTON

MODEL: ---

SCALE: 3/16" = 1'-0"

PROJ. No. 17-55 DWG. No. 4A

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
This stamp is only for the purposes of design control and carries no other professional obligations.



LEFT SIDE ELEVATION 2 (5 BEDROOM)

UNPROTECTED OPENINGS

WALL AREA	1382.0	⌘
ALLOWABLE WINDOW AREA @ 7.0%(1.2m SIDEYARD)	96.7	⌘
ACTUAL GLAZED AREA	94.4	⌘

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2970

11.0m LOTS

AMELIA 3-14
ELEVATION 2
(GR)

PACKAGE 'A1'

O.REG. 332/12

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jardin design group inc.

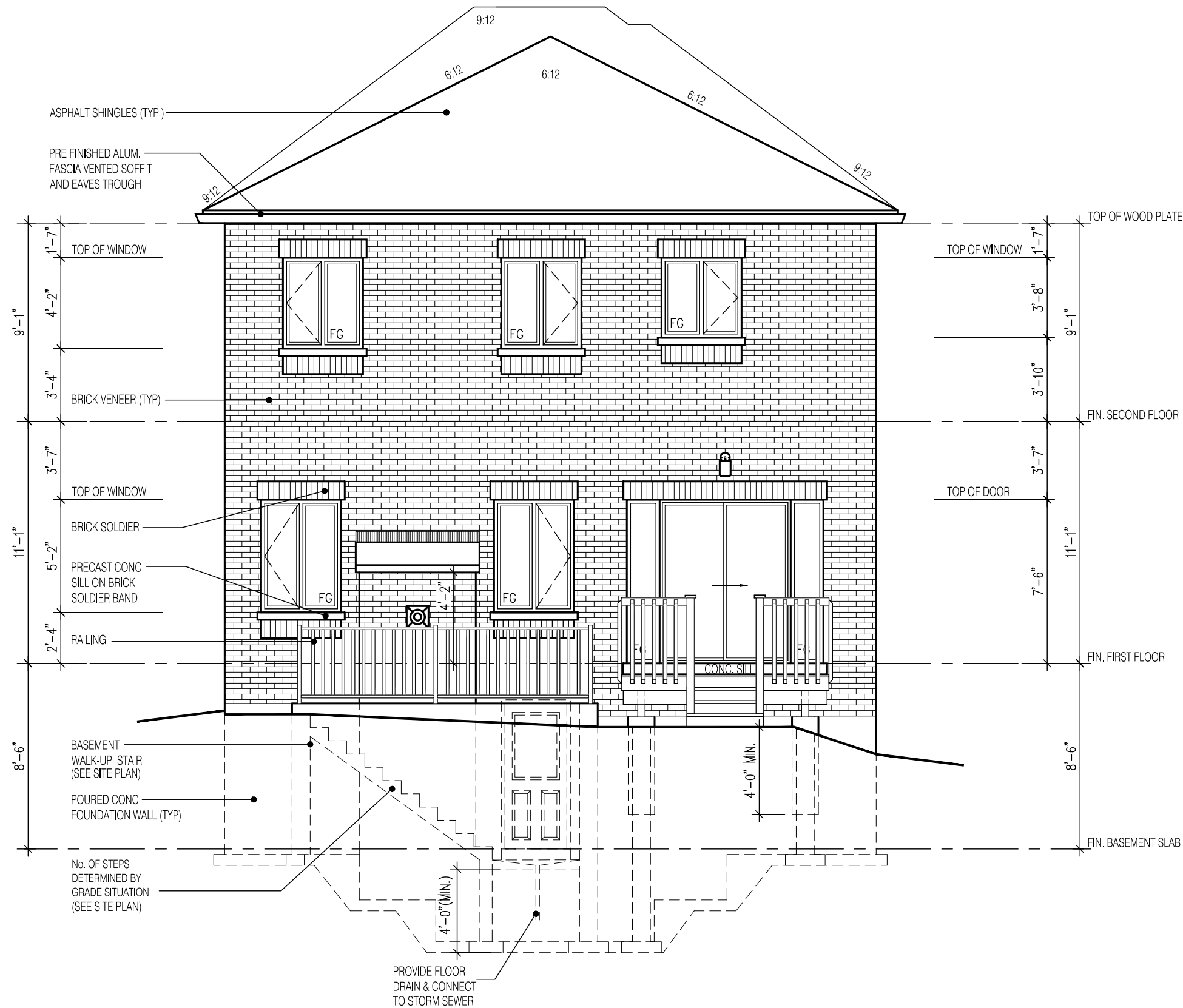
27763

FIRM NAME BCIN

SIDE ELEVATION 2

GRANELLI HOMES
BRAMPTON

MODEL: ---
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55 DWG. No. 5A



REAR ELEVATION 2
LOT-14
WALK-UP & DECK
CONDITION

NOTE:
RAILING REQUIRED WHEN
GRADE IS MORE THAN 2'-0"

NOTE:
WHEN VENEER CUT IS GREATER
THAN 26", A 10" POURED CONCRETE
FOUNDATION WALL IS REQUIRED

NOTE:
ACTUAL FINISH GRADES MAY VARY DEPENDING
ON LOT CONDITIONS.
(REFER TO GRADING PLANS)

W Architect Inc.
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2970
11.0m LOTS
AMELIA 3-14
ELEVATION 2
(GR)
PACKAGE 'A1'
O.REG. 332/12

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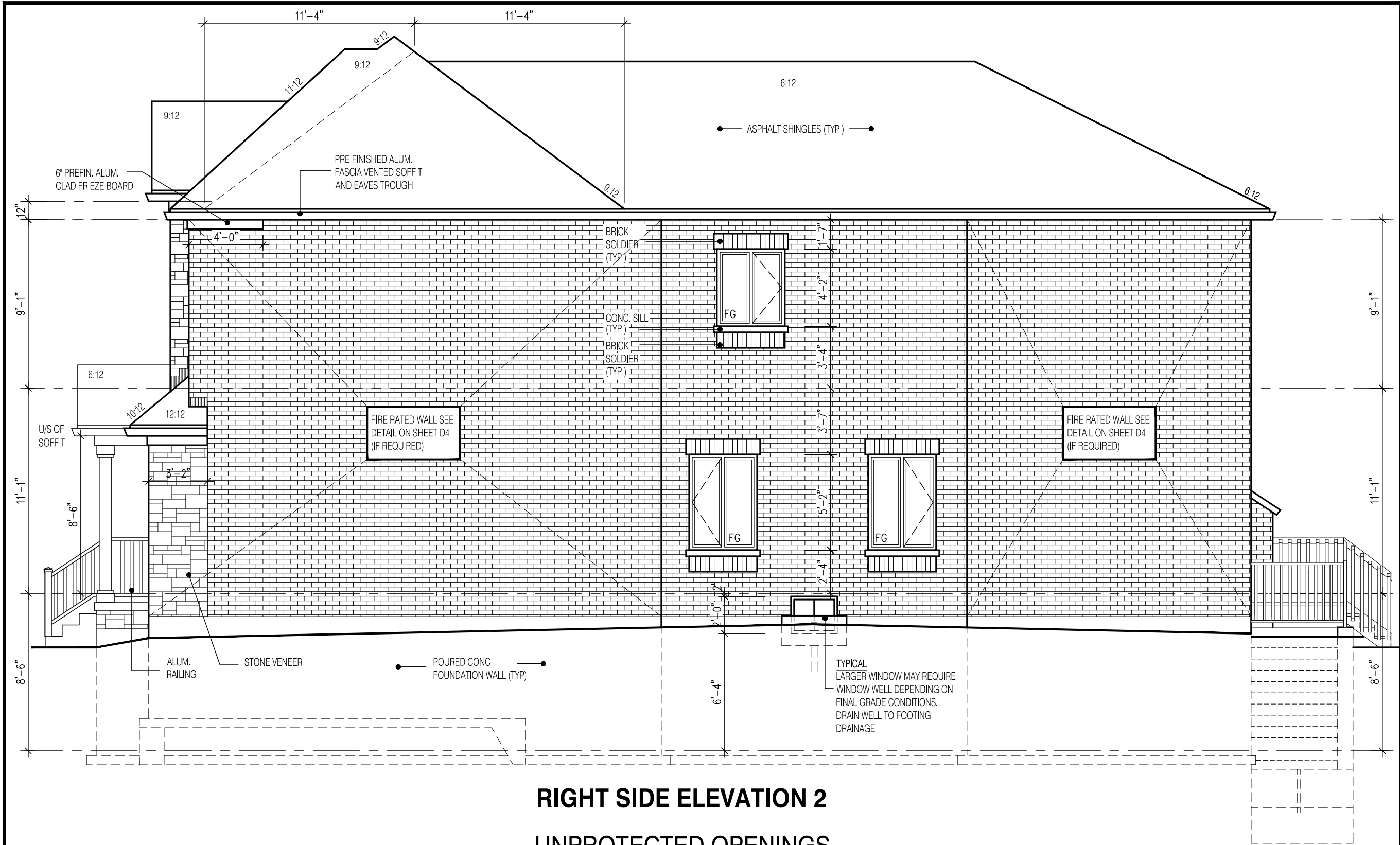
Walter Botter *Walter Botter* 21031
NAME SIGNATURE BCIN

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jardin design group inc. 27763
FIRM NAME BCIN

REAR ELEVATION-2
GRANELLI HOMES
BRAMPTON

BILD
MODEL: ----
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55 DWG. No. 6A



RIGHT SIDE ELEVATION 2

UNPROTECTED OPENINGS

WALL AREA	1289.0	⌘
ALLOWABLE WINDOW AREA @ 7.0%(1.2m SIDEYARD)	90.2	⌘
ACTUAL GLAZED AREA	49.0	⌘

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2970

11.0m LOTS

AMELIA 3-14

ELEVATION 2

(GR)

PACKAGE 'A1'

O.REG. 332/12

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27763

FIRM NAME BCIN

SIDE ELEVATION 2

GRANELLI HOMES

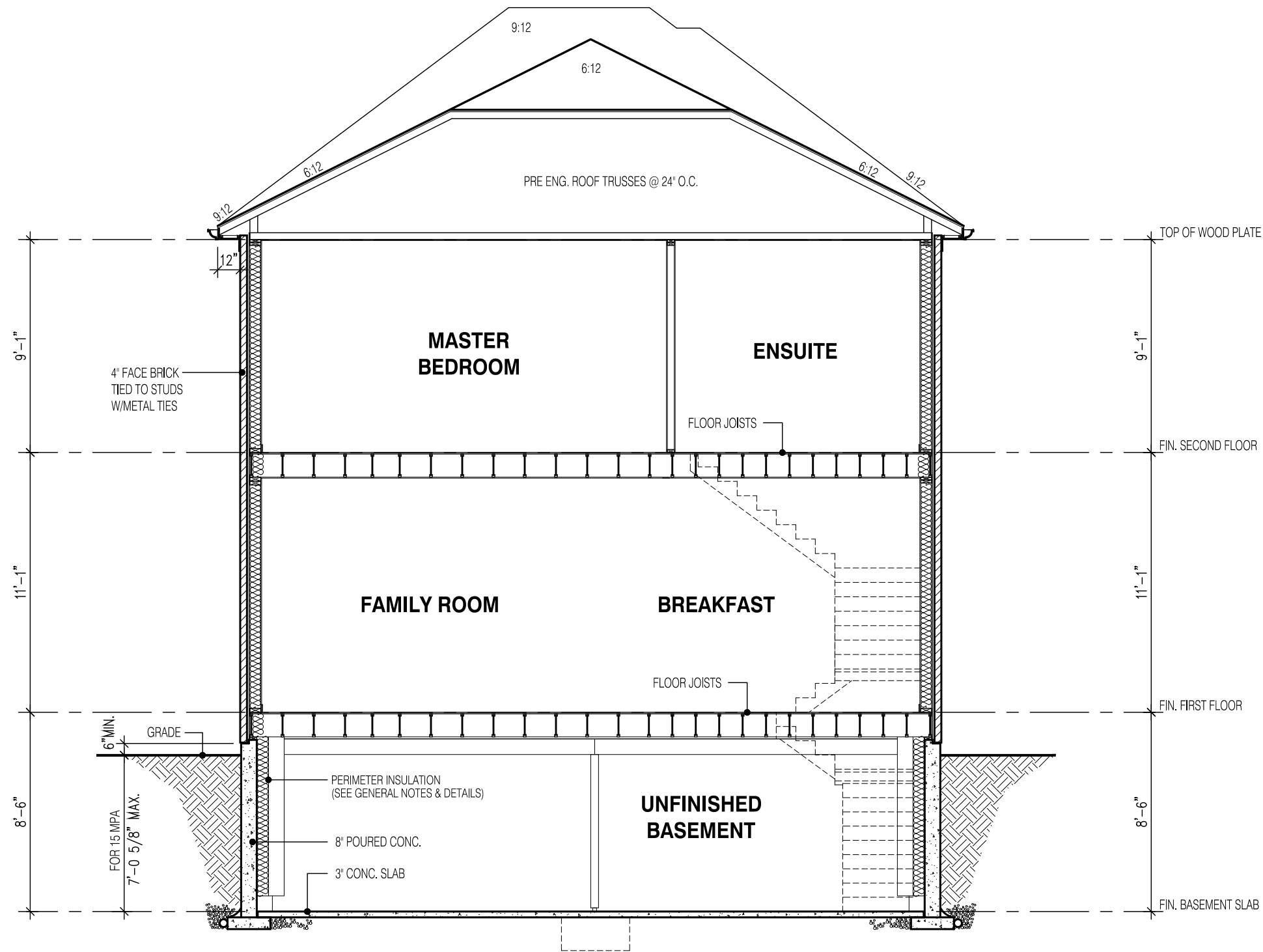
BRAMPTON

MODEL: ---

SCALE: 3/16" = 1'-0"

PROJ. No. 17-55

DWG. No. 7A



SECTION A-A
ELEVATION 2

W Architect Inc.
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FEB. 04, 2019
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STRUDET INC.



FOR STRUCTURE ONLY

2970
11.0m LOTS
AMELIA 3-14
ELEVATION 2
(GR)
PACKAGE 'A1'
O.REG. 332/12

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SECTION EL-2
GRANELLI HOMES
BRAMPTON

MODEL: ----
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55 DWG. No. 8A