

AMELIA 3

(MODEL 2970 S.F.)

SB-12 PRESCRIPTIVE ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE PACKAGE

A1

SPACE HEATING FUEL

☒ GAS

☐ OIL

☐ ELECTRIC

☐ PROPANE

☐ EARTH

☐ SOLID FUEL

ELEV. 1

WALL AREA368.4 m²

GLASS AREA38.46 m²

% GLASS10.44 %

ELEV. 2

WALL AREA0.0 m²

GLASS AREA0.0 m²

% GLASS0.0 %

ELEV. 3

WALL AREA000.00 m²

GLASS AREA00.00 m²

% GLASS0.00 %

BUILDING COMPONENTS

PROPOSED (A1)

INSULATION (RSI)

CEILING W/ATTIC SPACE10.57 (R60)

CEILING W/O ATTIC SPACE5.46 (R31)

EXPOSED FLOOR5.46 (R31)

WALLS ABOVE GRADE4.22 (R24)

BASEMENT WALLS3.52 (R20)

BELOW GRADE SLAB ENTIRE SURFACE >600mm BELOW GRADE-

EDGE OF BELOW GRADE SLAB ≤600mm BELOW GRADE1.76 (R10)

HEATED SLAB ≤600mm BELOW GRADE1.76 (R10)

CONC. SLAB ≤600mm) BELOW GRADE1.76 (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

ROOF PLAN

N.T.S.

FRONT ELEVATION 1

LOT-6

AREA CALCULATIONS - EL.1

TOTAL GROUND FLOOR AREA = 1323 SQ. FT.

TOTAL SECOND FLOOR AREA = 1677 SQ. FT.

TOTAL GROSS FLOOR AREA = 3000 SQ. FT.

278.71 m²

SUBTRACT OPEN AREAS = 30 SQ. FT.

2.79 m²

TOTAL NET FLOOR AREA = 2970 SQ. FT.

275.92 m²

W Architect Inc.

DESIGN CONTROL REVIEW

FEB. 04, 2019

FINAL BY: MMI

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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

BRICK VENEER LINTELS:

WL1 = 3 1/2" x 3 1/2" x 1/4" (90x90x6) + 2- 2" x 8" SPR. No. 2

WL2 = 4" x 3 1/2" x 5/16" (100x90x8) + 2- 2" x 8" SPR. No. 2

WL3 = 5" x 3 1/2" x 5/16" (125x90x8) + 2- 2" x 10" SPR. No. 2

WL4 = 6" x 3 1/2" x 3/8" (150x90x10) + 2- 2" x 12" SPR. No. 2

WL5 = 6" x 4" x 3/8" (150x100x10) + 2- 2" x 12" SPR. No. 2

WL6 = 5" x 3 1/2" x 5/16" (125x90x8) + 2- 2" x 12" SPR. No. 2

WL7 = 5" x 3 1/2" x 5/16" (125x90x8) + 3- 2" x 10" SPR. No. 2

WL8 = 5" x 3 1/2" x 5/16" (125x90x8) + 3- 2" x12" SPR. No. 2

WL9 = 6" x 4" x 3/8" (150x100x10) + 3- 2" x 12" SPR. No. 2

DOOR SHEDULE:

1 = 2'-10" x 6'-8" (865x2033) INSULATED ENTRANCE DOOR

1A = 2'-8" x 6'-8" (815x2033) INSULATED ENTRANCE DOOR

2 = 2'-8" x 6'-8" (815x2033) EXTERIOR WOOD & GLAZED DOOR

3 = 2'-8" x 6'-8" x 1 3/4" (815x2033x45) EXTERIOR SLAB DOOR

4 = 2'-8" x 6'-8" x 1 3/8" (815x2033x35) INTERIOR SLAB DOOR

5 = 2'-6" x 6'-8" x 1 3/8" (760x2033x35) INTERIOR SLAB DOOR

6 = 2'-2" x 6'-8" x 1 3/8" (660x2033x35) INTERIOR SLAB DOOR

7 = 1'-6" x 6'-8" x 1 3/8" (460x2033x35) INTERIOR SLAB DOOR

WOOD LINTELS:

WB1 = 2- 2" x 8" (2-38X184) SPR. No. 2

WB2 = 3- 2" x 8" (3-38x184) SPR. No. 2

WB3 = 2- 2" x 10" (2-38x235) SPR. No. 2

WB4 = 3- 2" x 10" (3-38x235) SPR. No. 2

WB5 = 2- 2" x 12" (2-38x286) SPR. No. 2

WB6 = 3- 2" x 12" (3-38x286) SPR. No. 2

WB7 = 5- 2" x 12" (5-38x286) SPR. No. 2

WB10 = 4- 2" x 8" (4-38x184) SPR. No. 2

WB11 = 4- 2" x 10" (4-38x235) SPR. No. 2

WB12 = 4- 2" x 12" (4-38x286) SPR. No. 2

LSL = TIMBERSTRAND BOARD

LAMINATED VENEER LUMBER (LVL) BEAMS

LVL1A = 1-1 3/4" x 7" 1/4" (1-45x184)

LVL1 = 2-1 3/4" x 7" 1/4" (2-45x184)

LVL2 = 3-1 3/4" x 7" 1/4" (3-45x184)

LVL3 = 4-1 3/4" x 7" 1/4" (4-45x184)

LVL4A = 1-1 3/4" x 9" 1/2" (1-45x235)

LVL4 = 2-1 3/4" x 9" 1/2" (2-45x235)

LVL5 = 3-1 3/4" x 9" 1/2" (3-45x235)

LVL5A = 4-1 3/4" x 9" 1/2" (4-45x235)

LVL6A = 1-1 3/4" x 11" 7/8" (1-45x300)

LVL6 = 2-1 3/4" x 11" 7/8" (2-45x300)

NOTE: LVL BEAMS

ALL LVL BEAMS SUPPORTING FLOOR LOADS ARE TO BE SPECIFIED BY THE FLOOR TRUSS MANUFACTURER.

2970

11.0m LOTS

AMELIA 3-06

ELEVATION 1

(GR)

PACKAGE 'A1'

O.REG. 332/12

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7

6

5 DEC. 21, 2018

ISSUED FOR BUILDING PERMIT

4 AUG. 15, 2018

COORDINATED AS PER ENGINEER'S COMMENTS

3 JULY 26, 2018

ISSUED FOR STRUCTURAL REVIEW

2 MAY 22, 2018

ISSUED FOR FLOOR & ROOF TRUSSES

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

NAME

21031

BCIN

REGISTRATION INFORMATION

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

jardin design group inc.

FIRM NAME

27763

BCIN

TITLE SHEET

GRANELLI HOMES

BRAMPTON

BILD

MODEL:----

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

PROJ. No. 17-55

DWG. No. 0

STRUDET INC.

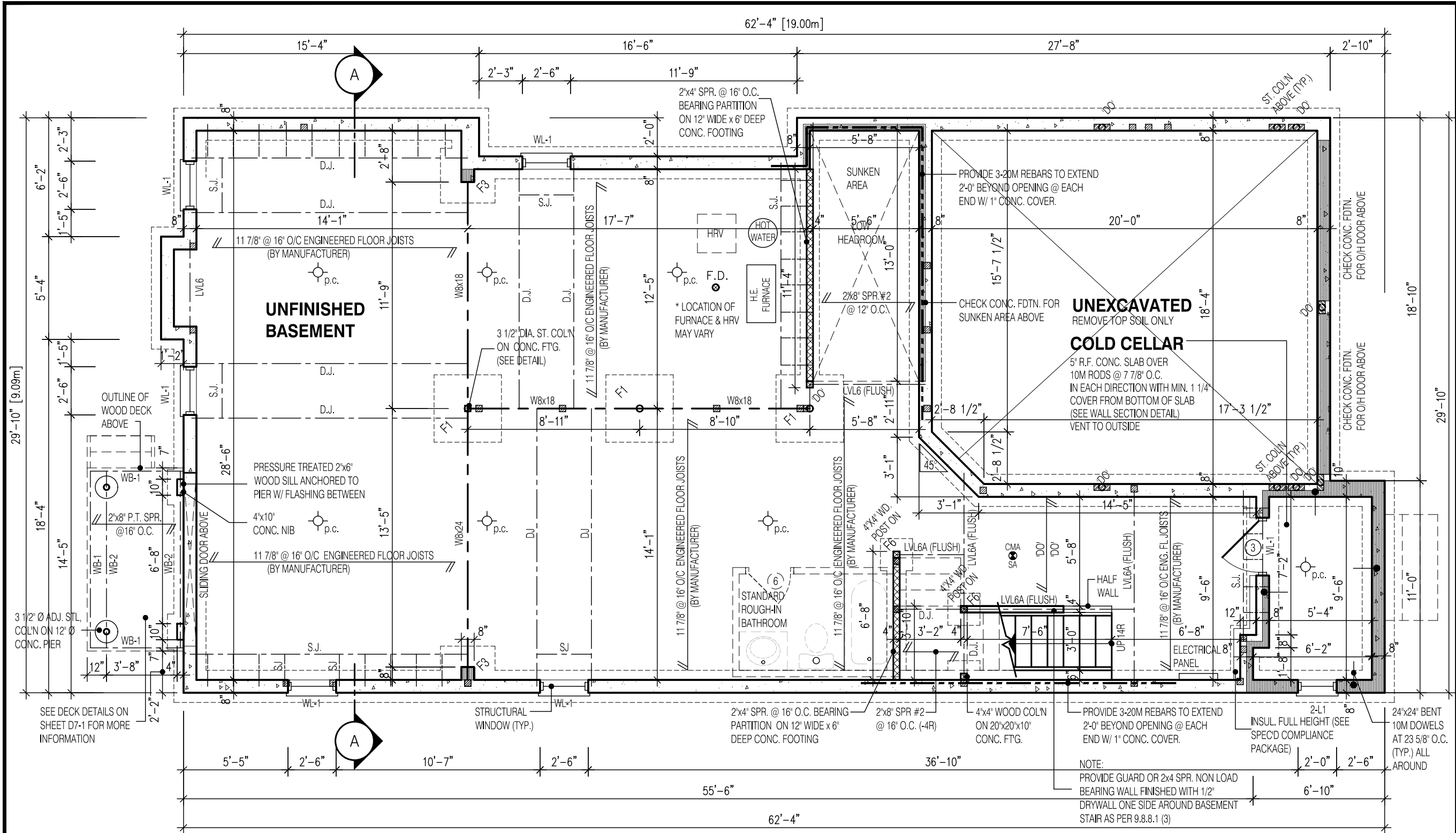
REGISTERED PROFESSIONAL ENGINEER

B. MARINKOVIC

PROVINCE OF ONTARIO

FOR STRUCTURE ONLY

DRAWN BY: DRAWING NAME: ---



W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
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CONC. PAD FOOTING
LEGEND (75 KPa)
(UNLESS OTHERWISE SPECIFIED)

F1 = 42"x42"x18" CONCRETE PAD F5 = 24"x24"x12" 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
- LVL
- S.J.
- D.J.
- T.J.
- 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 3-06
ELEVATION 1
(GR)
PACKAGE 'A1'
O.REG. 332/12

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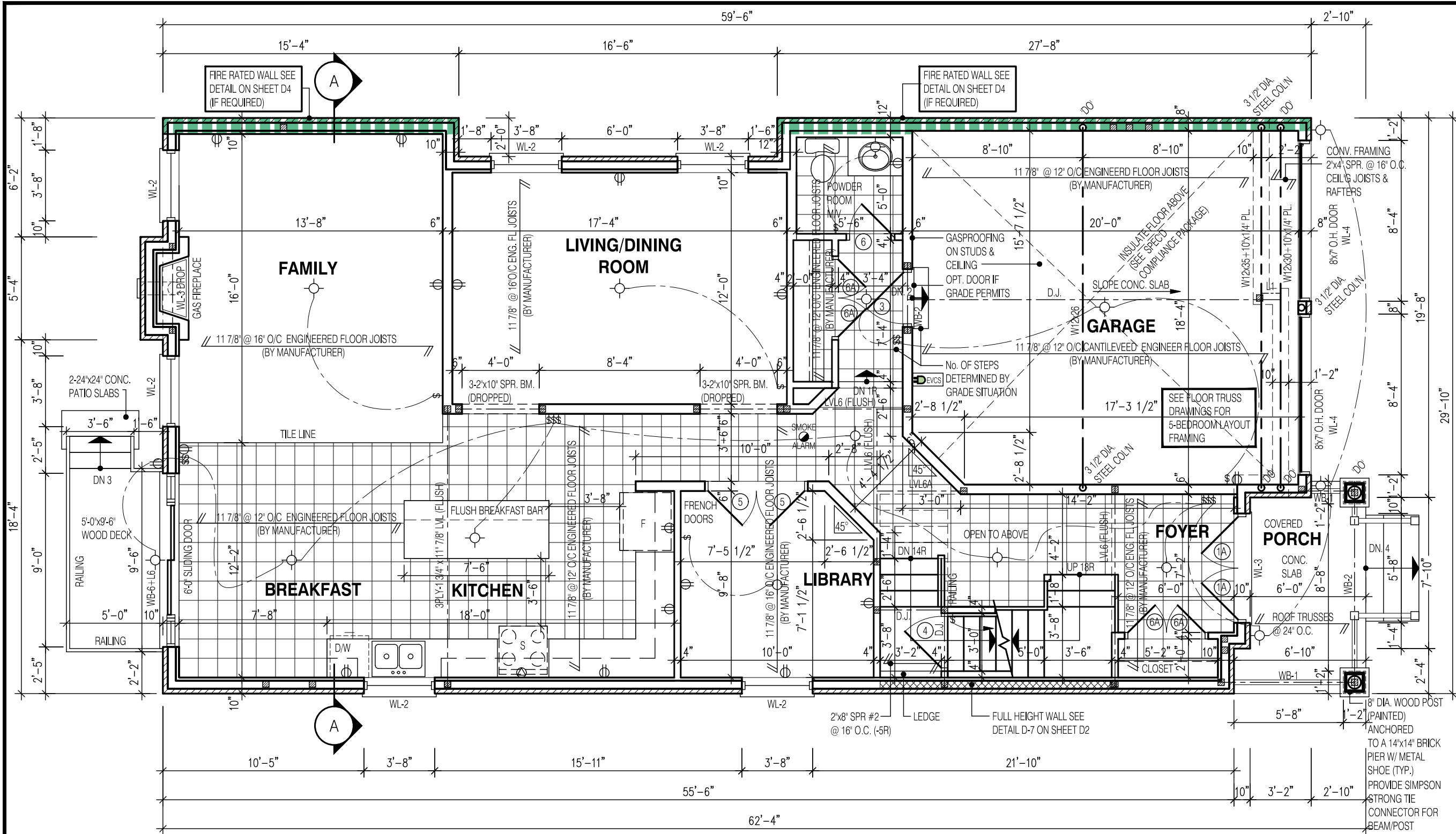
jardin
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64 JARDIN DR. SUITE 3A
VAUGHAN ONT, L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

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Walter Botter *WBe* 21031
NAME SIGNATURE BCIN
REGISTRATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the building code
jardin design group inc. 27763
FIRM NAME BCIN

BASEMENT PLAN EL-1
GRANELLI HOMES
BRAMPTON

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



W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: **MMI**
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 - INDICATES SOLID BEARING REQUIRED OR POINT LOAD FROM ABOVE
 - STL. PLATE FOR STEEL COL'N ABOVE
 - LAMINATED VENEER LUMBER
 - SINGLE JOIST
 - DOUBLE JOIST
 - TRIPLE JOIST
 - REPEAT NOTE
 - SHOWER WEEPERS
 - ELECTRIC VEHICLE CHARGING SYSTEM



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11.0m LOTS
AMELIA 3-06
ELEVATION 1
(GR)
PACKAGE 'A1'
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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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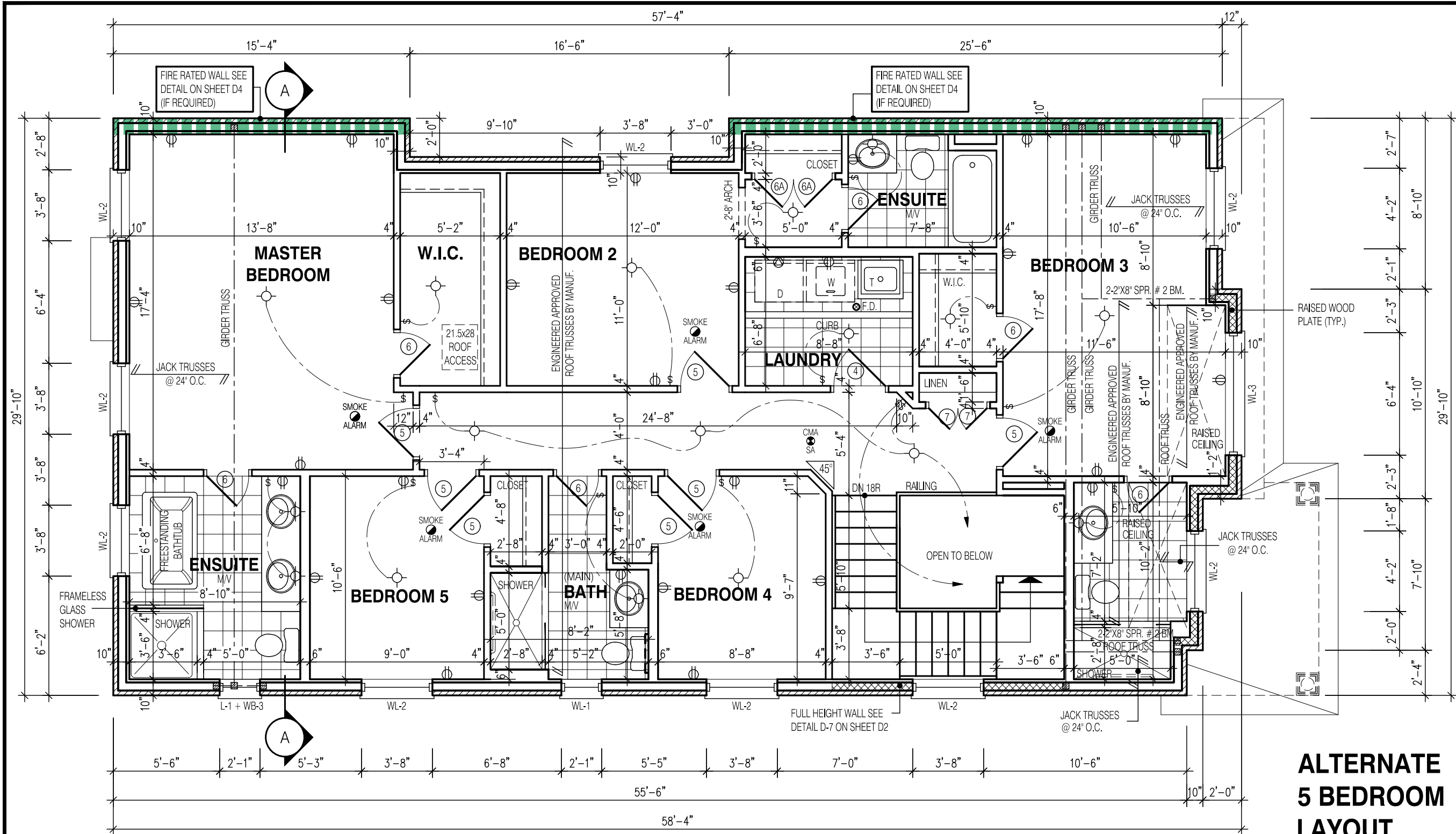
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Walter Botter 21031
NAME SIGNATURE BCIN

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jardin design group inc. 27763
FIRM NAME BCIN

FIRST FLOOR PLAN EL-1
GRANELLI HOMES
BRAMPTON

MODEL: ---
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55 DWG. No. 2



ALTERNATE 5 BEDROOM LAYOUT

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:

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STRUDET INC.



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11.0m LOTS

AMELIA 3-06

ELEVATION 1

(GR)

PACKAGE 'A1'

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jardin design group inc.

27763

FIRM NAME BCIN

ALT.SEC. FL. PLAN EL-1

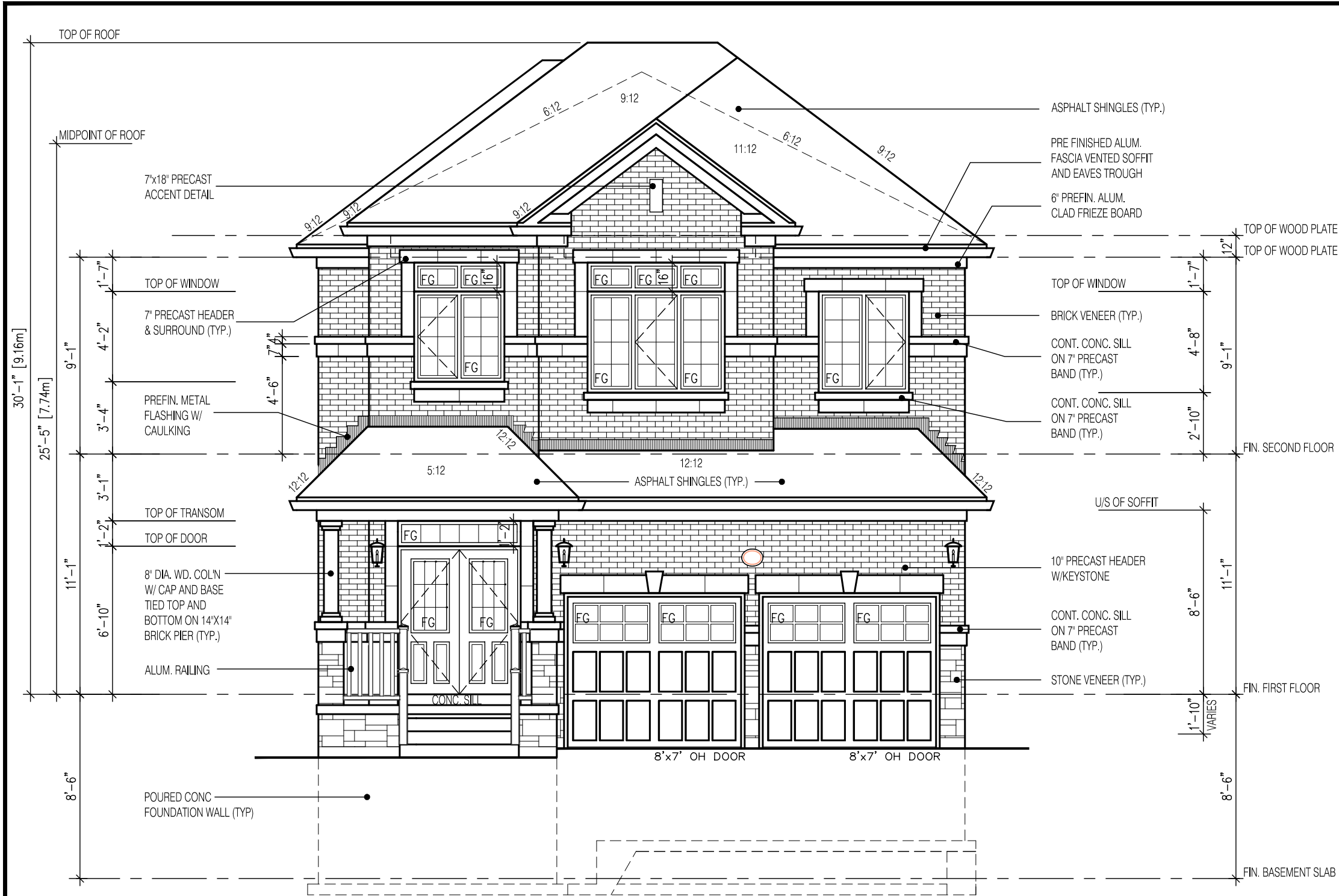
GRANELLI HOMES
BRAMPTON

MODEL: ---

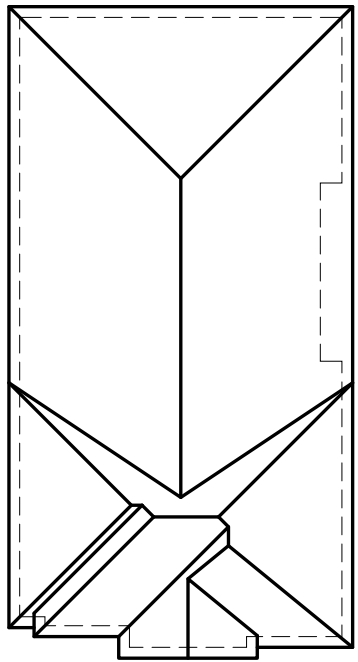
SCALE: 3/16"=1'-0"

PROJ. No. 17-55

DWG. No. 3



FRONT ELEVATION 1
LOT-6



ROOF PLAN

N.T.S.

2970-ELEV.-1		ENERGY EFFICIENCY- SB12	
ELEVATION	WALL FT ²	OPENING FT ²	PERCENTAGE
FRONT	700.00	101.00	14.43 %
LEFT SIDE	1285.00	95.00	7.39 %
RIGHT SIDE	1308.00	58.00	4.43 %
REAR	673.00	160.00	23.77 %
TOTAL	3966.00	414.00	10.44 %

DRAWN BY:

DRAWING NAME: —

2970

11.0m LOTS

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ELEVATION 1
(GR)

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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 1

GRANELLI HOMES
BRAMPTON

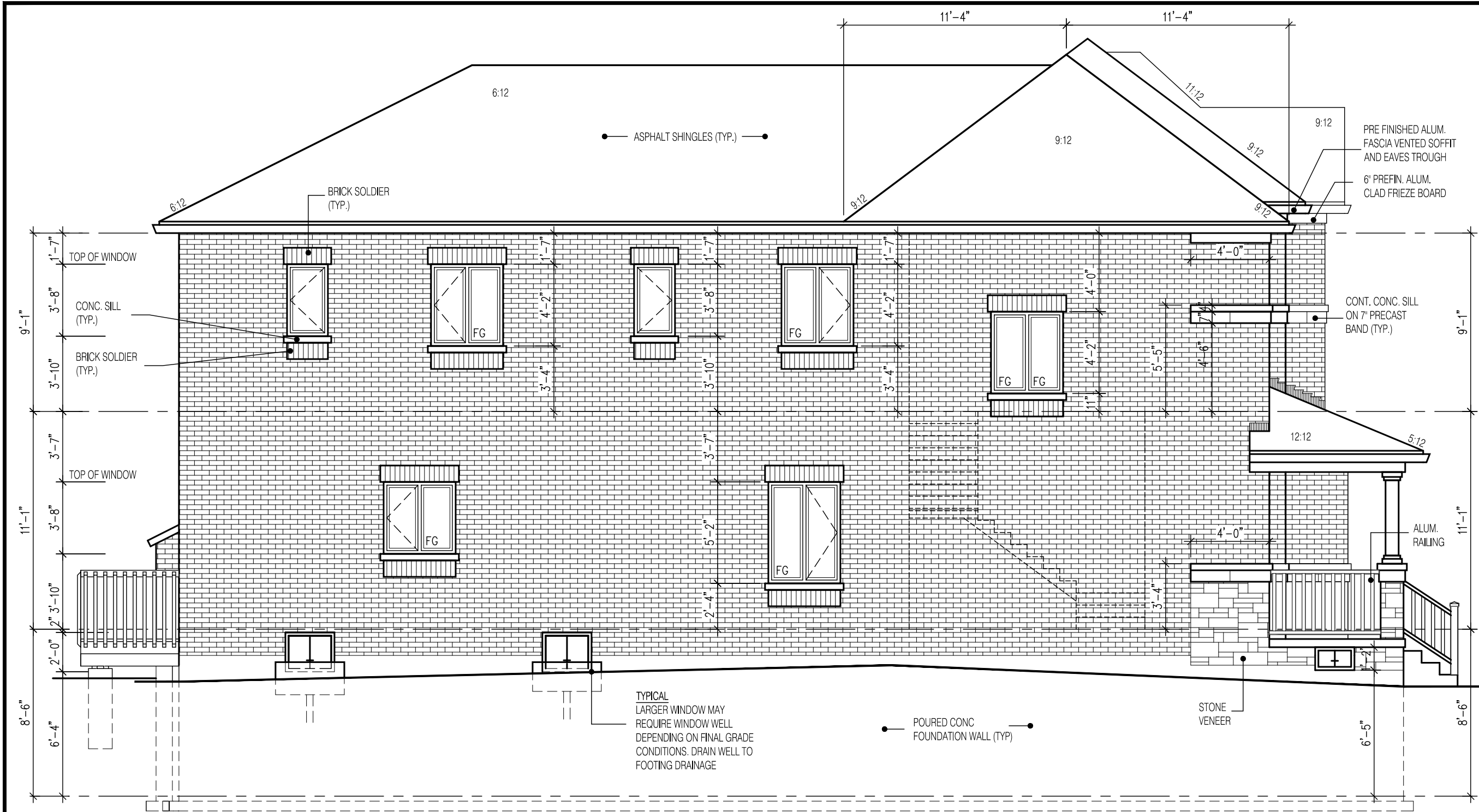
MODEL: ---

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

PROJ. No. 17-55

DWG. No. 4

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 1 (5 BEDROOM)
LOT-6

UNPROTECTED OPENINGS

WALL AREA	1260.0	Φ
ALLOWABLE WINDOW AREA @ 7.0%(1.2m SIDEYARD)	88.2	Φ
ACTUAL GLAZED AREA	85.8	Φ

W Architect Inc.
DESIGN CONTROL REVIEW

FEB. 04, 2019

FINAL BY: MMI

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2970
11.0m LOTS
AMELIA 3-06
ELEVATION 1
(GR)
PACKAGE 'A1'
O.REG. 332/12

THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JARDIN DESIGN GROUP INC. PRIOR TO COMMENCEMENT OF WORK.
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7		
6		
5	DEC. 21, 2018	ISSUED FOR BUILDING PERMIT
4	AUG. 15, 2018	COORDINATED AS PER ENGINEER'S COMMENTS
3	JULY 26, 2018	ISSUED FOR STRUCTURAL REVIEW
2	MAY 22, 2018	ISSUED FOR FLOOR & ROOF TRUSSES
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
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Walter Botter *WBE* 21031
NAME SIGNATURE BCIN

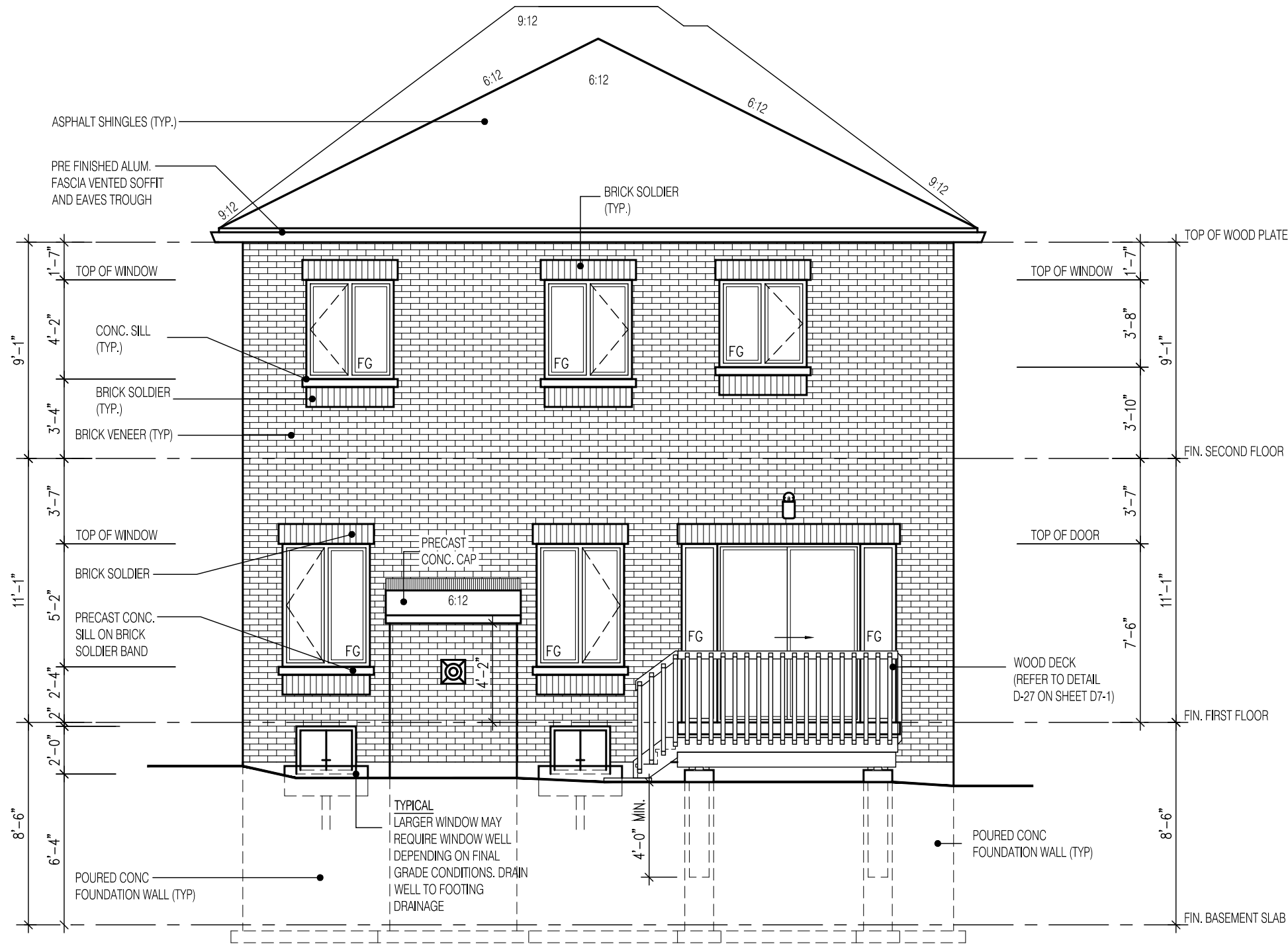
REGISTRATION INFORMATION
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jardin design group inc. 27763
FIRM NAME BCIN

SIDE ELEVATION 1

GRANELLI HOMES
BRAMPTON

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



REAR ELEVATION 1
LOT-6

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2970

11.0m LOTS

AMELIA 3-06
ELEVATION 1
(GR)

PACKAGE 'A1'

O.REG. 332/12

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jardin design group inc.

27763

FIRM NAME BCIN

REAR ELEVATION 1

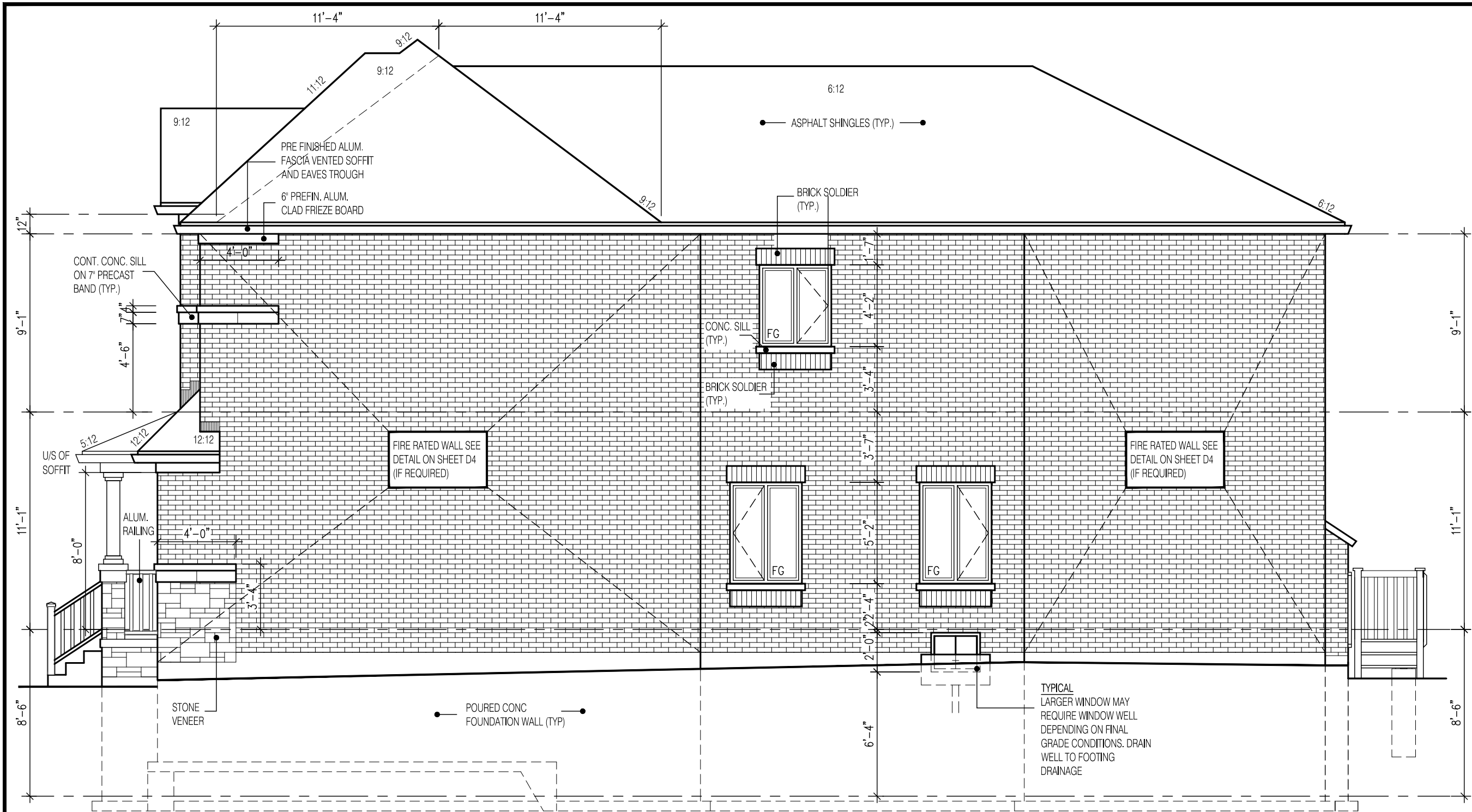
GRANELLI HOMES
BRAMPTON

MODEL: ---

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

PROJ. No. 17-55

DWG. No. 6



RIGHT SIDE ELEVATION 1 LOT-6

UNPROTECTED OPENINGS

WALL AREA	1308.0	⌀
ALLOWABLE WINDOW AREA @ 7.0%(1.2m SIDEYARD)	91.5	⌀
ACTUAL GLAZED AREA	50.0	⌀

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2970
11.0m LOTS
AMELIA 3-06
ELEVATION 1
(GR)
PACKAGE 'A1'
O.REG. 332/12

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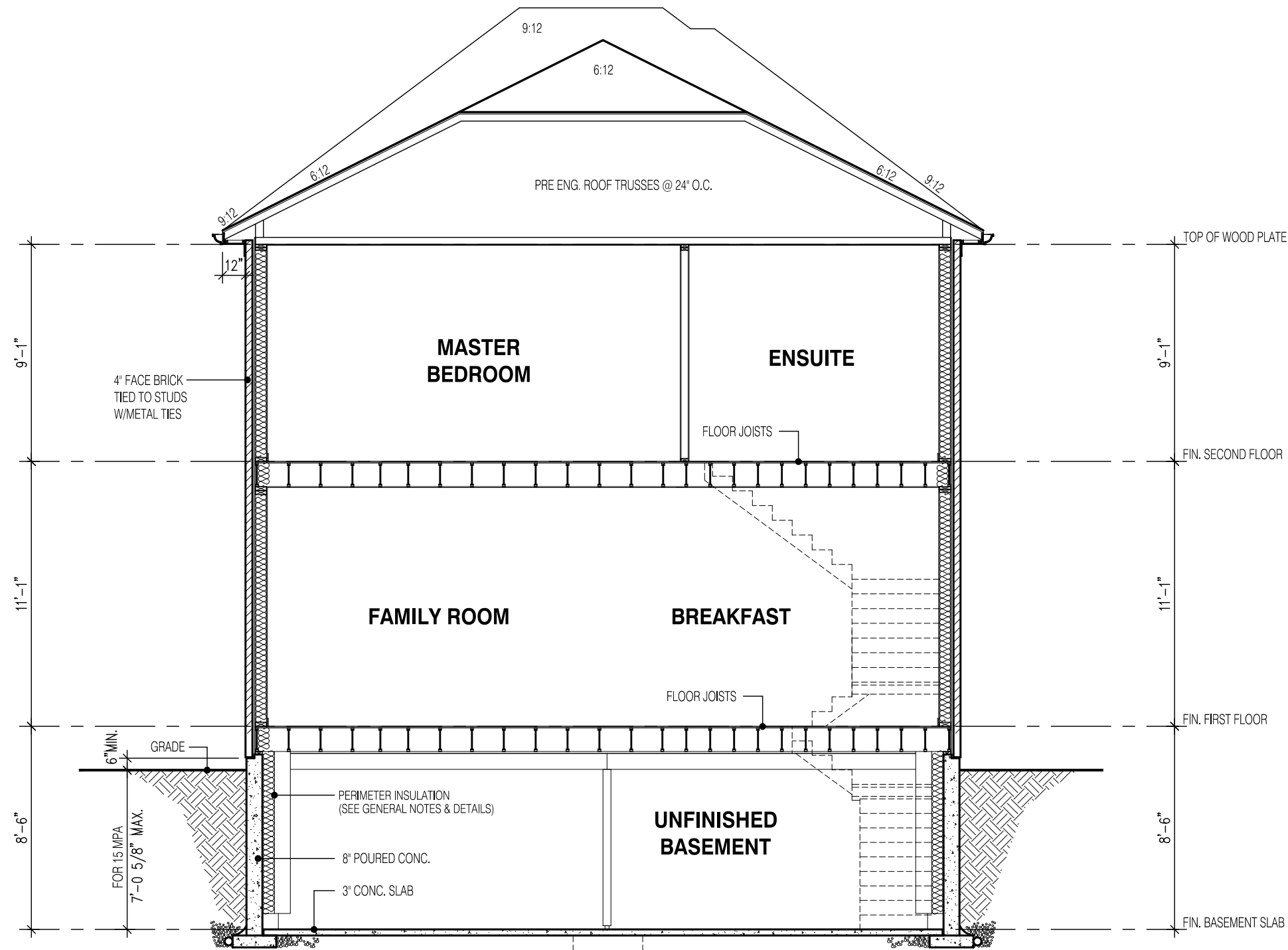
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jardin design group inc. 27763
FIRM NAME BCIN

SIDE ELEVATION 1

GRANELLI HOMES
BRAMPTON

	MODEL:	---
	SCALE:	3/16" = 1'-0"
	PROJ. No.	DWG. No.
	17-55	7



SECTION A-A
ELEVATION 1

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
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STRUDET INC.



FOR STRUCTURE ONLY

2970
11.0m LOTS
AMELIA 3-06
ELEVATION 1
(GR)
PACKAGE 'A1'
O.REG. 332/12

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jardin design group inc. 27763
FIRM NAME BCIN

SECTION EL-1
GRANELLI HOMES
BRAMPTON

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