

Memorandum to the City of Markham Committee of Adjustment

June 24, 2019

File: A/59/19
Address: 20 Pheasant Valley Court, Thornhill
Applicant: Arcica Inc.
Agent: (none)
Hearing Date: Wednesday July 10, 2019

The following comments are provided on behalf of the West Team:

The applicant is requesting relief from the following requirements of By-law 2237, R4 as amended:

- a) **Amending By-law 101-90, Section 1.2(viii):**
a proposed floor area ratio of 53.93 percent, whereas the By-law allows a maximum floor area ratio of 50 percent;
- b) **Amending By-law 101-90, Section 1.2(i):**
a proposed building height of 9.58 metres, whereas the By-law allows a building height of 8.6 metres;
- c) **Section 6.1:**
a proposed front yard setback of 19 feet (5.8 metres), whereas the By-law requires a minimum front yard setback of 27 feet (8.2 metres);

as it relates to a proposed two storey detached dwelling.

BACKGROUND

Property Description

The 580.60 m² (6250 ft²) subject property is located on the north side of Pheasant Valley Court, south of John Street and east of Yonge Street. The property is located within an established residential neighbourhood comprised of a mix of one and two-storey detached dwellings. The surrounding area is undergoing a transition with newer dwellings being developed as infill developments. There is an existing one-storey detached dwelling on the property, which according to assessment records was constructed in 1969.

Proposal

The applicant is proposing to construct a new two-storey detached 313.14 m² (3370.61 ft²) dwelling on the property. The proposal also includes a rear deck and rear basement walkout.

Official Plan and Zoning

Official Plan 2014 (partially approved on Nov 24/17, and further updated on April 9/18)

The subject property is designated "Residential – Low Rise", which provides for low rise housing forms including single detached dwellings. Infill development is required to meet the general intent of the 2014 Official Plan with respect to height, massing, and setbacks to ensure that the development is appropriate for the site and also general consistent with the zoning requirements for adjacent properties and properties along the same street. Regard must also be had for retention of existing trees and vegetation and the width of proposed garages and driveways. Planning staff have had regard for the infill development criteria in the preparation of the comments provided below.

Zoning By-Law 2237

The subject property is zoned R4 – “Fourth Density Single Family Residential” under By-law 2237, as amended, which permits a single detached dwelling.

Residential Infill Zoning By-law 101-90

The subject property is also subject to the Residential Infill Zoning By-law 101-90. The intent of this By-law is to ensure the built form of new residential construction will maintain the character of existing neighbourhoods. It specifies development standards for building depth, garage projection, garage width, net floor area ratio, height, yard setbacks and number of storeys. The proposed development does not comply with the infill By-law requirements with respect to maximum building height, maximum floor area ratio, and front yard setback.

Applicant’s Stated Reason(s) for Not Complying with Zoning

According to the information provided by the applicant, the reason for not complying with Zoning is, *“The design won’t be achieved without requested variances.”*

Zoning Preliminary Review (ZPR) Not Undertaken

The owner has confirmed that a Zoning Preliminary Review (ZPR) has not been conducted. It is the owner’s responsibility to ensure that the application has accurately identified all the variances to the Zoning By-law required for the proposed development. If the variance request in this application contains errors, or if the need for additional variances is identified during the Building Permit review process, further variance application(s) may be required to address the non-compliance.

COMMENTS

The Planning Act states that four tests must be met in order for a variance to be granted by the Committee of Adjustment:

- a) The variance must be minor in nature;
- b) The variance must be desirable, in the opinion of the Committee of Adjustment, for the appropriate development or use of land, building or structure;
- c) The general intent and purpose of the Zoning By-law must be maintained;
- d) The general intent and purpose of the Official Plan must be maintained.

Increase in Maximum Floor Area Ratio

The applicant is requesting relief to permit a floor area ratio of 53.93 percent, whereas the By-law permits a maximum floor area ratio of 50 percent. The variance will facilitate the construction of a two-storey detached dwelling with a floor area of 313.14 m² (3370.61 ft²), whereas the By-law permits a dwelling with a maximum floor area of 290.30 m² (3124.76 ft²). This represents an increase of approximately 22.84 m² (245.84 ft²) or 7.86 percent.

Floor Area Ratio is a measure of the interior square footage of the dwelling as a percentage of the net lot area however; it is not a definitive measure of the mass of the dwelling. While the proposed dwelling is larger than existing dwellings, the proposed lot coverage is approximately 28.71 percent, which complies with the maximum 33 1/3 percent lot coverage. Staff are of the opinion that the proposed floor area ratio is minor in nature and will not result in demonstrable adverse impacts on the neighbouring homes.

Increase in Maximum Building Height

The applicant is requesting relief to permit a maximum building height of 9.58 m (31.43 ft), whereas the By-law permits a maximum building height of 8.6 m (28.21 ft). This represents an increase of 0.98 m (3.21 ft), or approximately 11.4 percent.

The By-law calculates building height using the vertical distance of building or structure measured between the level of the crown of the street and highest point of the roof surface. It should be noted that the proposed grade of the front of the house is approximately 0.58 m (1.91 ft) above the crown of road.

Reduction in Front Yard Setback

The applicant is requesting relief to permit a minimum front yard setback of 19 ft (5.80 m), whereas the By-law requires a minimum front yard setback of 27 ft (8.22 m). This represents a reduction of approximately 8 ft (2.44 m). The variance is in part attributed to the front covered porch with a cold cellar below, which projects approximately 1.52m (5 ft) and the bay window on the ground floor that projects approximately 0.40 m (1.32 ft). The garage has a setback of approximately 27.25 ft (8.33 m). The main front wall of the building provides a front yard setback of 25.87 ft (7.88 m) and is generally consistent with the established front yard setback pattern on the street.

PUBLIC INPUT SUMMARY

No written submissions were received as of June 26, 2019. It is noted that additional information may be received after the writing of the report, and the Secretary-Treasurer will provide information on this at the meeting.

CONCLUSION

Planning Staff have reviewed the application with respect to Section 45(1) of The Planning Act, R.S.O. 1990, c. P.13, as amended, and are of the opinion that the variance request meets the four tests of the Planning Act and have no objection. Staff recommend that the Committee consider public input in reaching a decision.

The onus is ultimately on the applicant to demonstrate why they should be granted relief from the requirements of the zoning by-law, and how they satisfy the tests of the Planning Act required for the granting of minor variances.

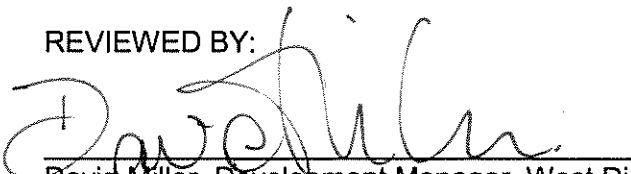
Please see Appendix "A" for conditions to be attached to any approval of this application.

PREPARED BY:



Hailey Miller, Planner, Zoning and Special Projects

REVIEWED BY:



David Miller, Development Manager, West District

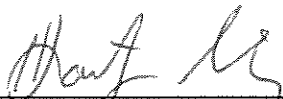
File Path: Amanda\File\ 19 124329 \Documents\District Team Comments Memo

APPENDIX "A"

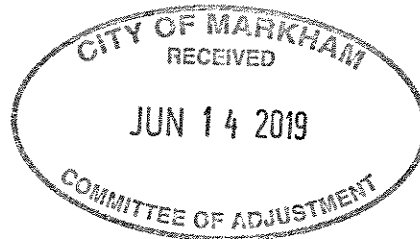
CONDITIONS TO BE ATTACHED TO ANY APPROVAL OF FILE A/59/19

1. The variances apply only to the proposed development as long as it remains;
2. That the variances apply only to the subject development, in substantial conformity with the plan(s) attached as 'Appendix B' to this Staff Report and received by the City of Markham on June 14, 2019, and that the Secretary-Treasurer receive written confirmation from the Director of Planning and Urban Design or designate that this condition has been fulfilled to his or her satisfaction;
3. That the owner implement and maintain all of the works required in accordance with the conditions of this variance;
4. Submission of a Tree Assessment and Preservation Plan, prepared by a qualified arborist in accordance with the City's Streetscape Manual (2009), as amended, to be reviewed and approved by the City, and that the Secretary-Treasurer receive written confirmation from Tree Preservation Technician or Director of Operations that this condition has been fulfilled to his/her satisfaction, and that any detailed Siting, Lot Grading and Servicing Plan required as a condition of approval reflects the Tree Assessment and Preservation Plan;
5. That prior to the commencement of construction or demolition, tree protection be erected and maintained around all trees on site in accordance with the City's Streetscape Manual, including street trees, in accordance with the City's Streetscape Manual (2009) as amended, and inspected by City Staff to the satisfaction of the Tree Preservation Technician or Director of Operations.
6. That tree replacements be provided and/or tree replacement fees be paid to the City if required in accordance with the Tree Assessment and Preservation Plan, and that the Secretary-Treasurer receive written confirmation that this condition has been fulfilled to the satisfaction of the Tree Preservation Technician or Director of Operations;
7. Submission of a detailed Siting, Lot Grading and Servicing Plan designed and stamped by a Professional Engineer/Ontario Land Surveyor/Landscape Architect satisfactory to the Director of Engineering, and that the Secretary-Treasurer receive written confirmation that this condition has been fulfilled to the satisfaction of the Director of Engineering or designate.

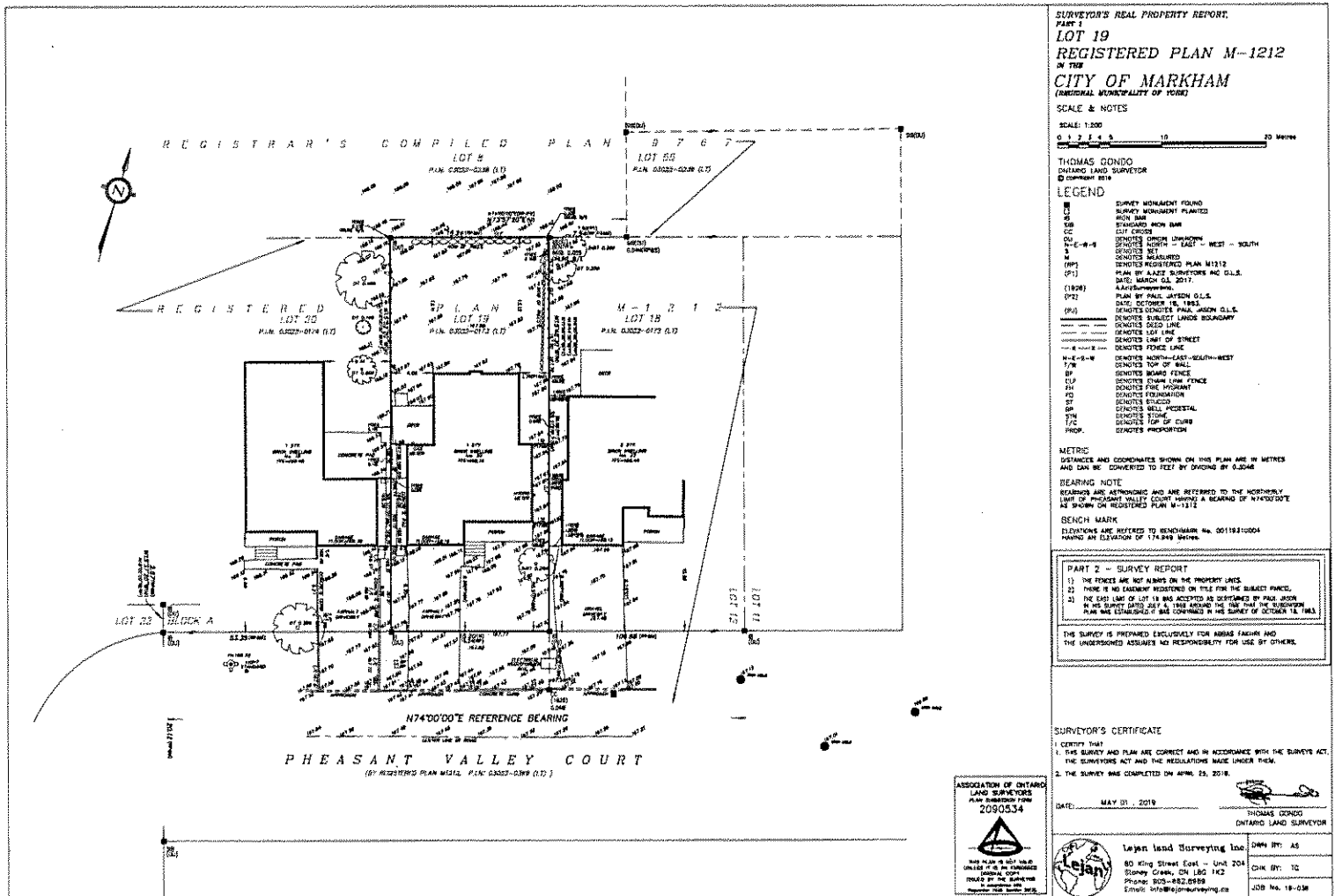
CONDITIONS PREPARED BY:

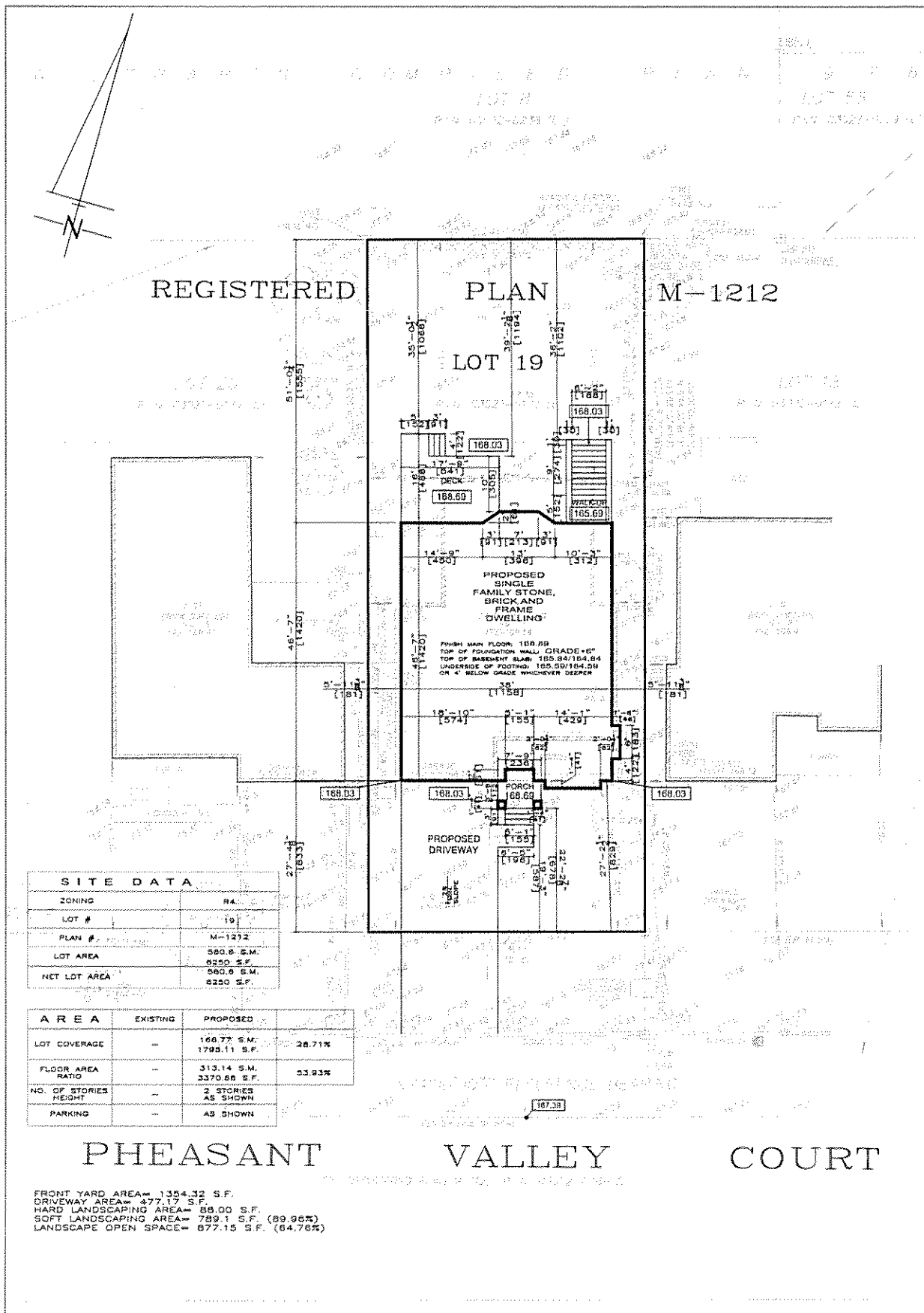


Hailey Miller, Planner, Zoning and Special Projects



APPENDIX B





designed by: ALI SHAKERI T.418 8213990 ARCICA INC. 328 SHEPPARD AVENUE EAST, M2N 3B4 TORONTO, ONTARIO, CANADA	project: 20 PHEASANT VALLEY COURT	revisions: MAY 21, 2019: Issued for CDA & permit 1	1. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE ONTARIO BUILDING CODE. 2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. 3. DO NOT SCALE DRAWINGS. 4. ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY VARIANCES OR DISCREPANCIES MUST BE REPORTED TO F&A ASSOCIATES BY PHONE AND SUBSEQUENT WRITTEN CONFIRMATION PRIOR TO COMMENCEMENT OF THE WORK. 5. USE ONLY LATEST REVISED DRAWINGS OF THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION". 6. ALL STRUCTURAL DESIGN MUST BE REVIEWED AND APPROVED BY CERTIFIED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
	drawing: SITE PLAN	scale: 1/16"=1'	

THIS UNDERSIGNED HAS REVIEWED & TAKES RESPONSIBILITY FOR THIS DESIGN, & HAS THE QUALIFICATION & MEETS THE REQUIREMENTS SET OUT IN THE O.B.C. TO BE A DESIGNER

Ali Shakeri
BCIN#24574
F&A Associates Ltd.
BCIN#30998

STRUCTURAL MEMBERS:
 J1: LPI 20 Plus 11 1/2" @ 16" o/c
 J2: LPI 42 Plus 11 1/2" @ 16" o/c
 J3: LPI 42 Plus 11 1/2" @ 12" o/c

B1: 1-LVL 11 1/2" x 11 1/2" 2.0E TYP.
 B2: 2-LVL 11 1/2" x 11 1/2" 2.0E TYP.
 B3: 3-LVL 11 1/2" x 11 1/2" 2.0E TYP.
 B4: 4-LVL 11 1/2" x 11 1/2" 2.0E TYP.

C1: HSS Ø 102X8
 +5X5X1/4" PL TOP
 +10X10X3/4" PL BOTT.
 +4X1/2" A.B.

C2: HSS Ø 127X8
 +5X5X1/4" PL TOP
 +6X10X3/4" PL BOTT.
 +2X1/2" A.B.

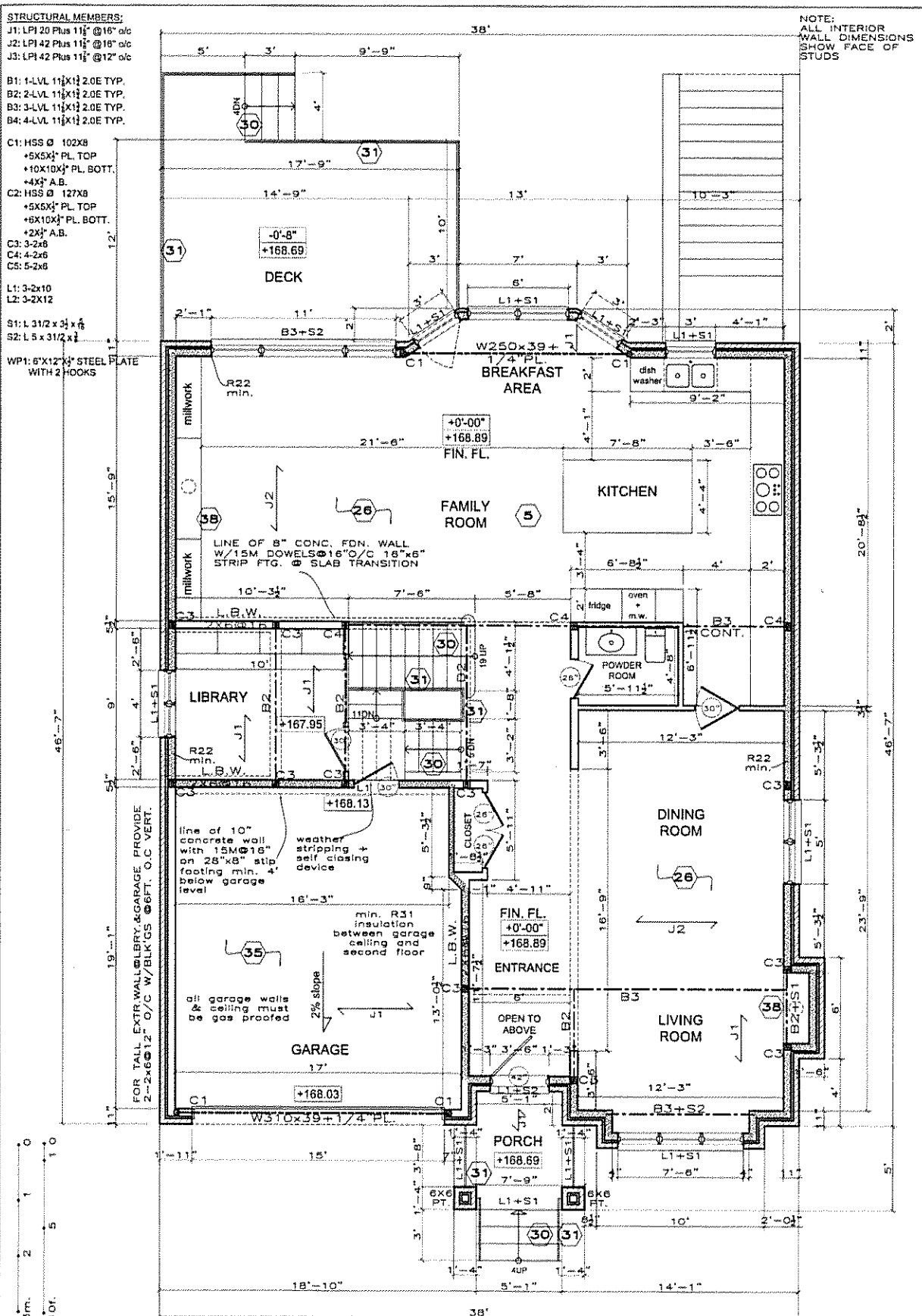
C3: 3-2x6
 C4: 4-2x6
 C5: 5-2x6

L1: 3-2x10
 L2: 3-2X12

S1: L 3/2 x 3/4 x 6
 S2: L 5 x 3/2 x 1

WP1: 6"x12"x1/2" STEEL PLATE
 WITH 2 HOOKS

NOTE:
 ALL INTERIOR
 WALL DIMENSIONS
 SHOW FACE OF
 STUDS



designed by:

ALI SHAKERI

T: 416 8213580

ARCICA INC.

328 SHEPPARD AVENUE EAST, M2N 3B4
 TORONTO, ONTARIO, CANADA

project:

20 PHEASANT VALLEY COURT

drawing:

GROUND FLOOR PLAN

scale:

3/16"=1'

page:


A3

revision:

MAY 21, 2019- issued for COA & permit 1

THIS UNDERSIGNED HAS REVIEWED & TAKES
 RESPONSIBILITY FOR THIS DESIGN & HAS THE
 QUALIFICATIONS & MEETS THE REQUIREMENTS
 SET OUT IN THE O.B.C. TO BE A DESIGNER
 Ali Shakeri
 BCIN#24574
 F&A Associates Ltd.
 RCIN#10000

1. ALL WORK SHALL BE CARRIED OUT IN
 STRICT ACCORDANCE WITH THE REQUIREMENTS
 OF THE LATEST REVISION OF THE ONTARIO
 BUILDING CODE.
 2. VERIFY ALL DIMENSIONS PRIOR TO
 CONSTRUCTION.
 3. DO NOT SCALE DRAWINGS.
 4. ALL DIMENSIONS AND INFORMATION SHALL
 BE CHECKED AND VERIFIED ON THE JOB AND
 ANY VARIANCES OR DISCREPANCIES MUST BE
 REPORTED TO F&A ASSOCIATES BY PHONE
 AND SUBSEQUENT WRITTEN CONFIRMATION
 PRIOR TO COMMENCEMENT OF THE WORK.
 5. USE ONLY LATEST REVISED DRAWINGS OF
 THOSE THAT ARE MARKED "ISSUED FOR
 CONSTRUCTION".
 6. ALL STRUCTURAL DESIGN MUST BE
 REVIEWED AND APPROVED BY CERTIFIED
 STRUCTURAL ENGINEER PRIOR TO
 CONSTRUCTION

designed by:	project:	revisions:	1. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE ONTARIO BUILDING CODE.
ALI SHAKERI	20 PHEASANT VALLEY COURT	MAY 21, 2019-issued for COA & permit 1	2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
T.416.8213980	drawing:		3. DO NOT SCALE DRAWINGS.
	BASEMENT PLAN		4. ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB. ANY VARIANCES OR DISCREPANCIES MUST BE REPORTED TO P&A ASSOCIATES BY PHONE AND SUBMITTED IN WRITING TO P&A PRIOR TO COMMENCEMENT OF THE WORK.
ARCICA INC.	scale:	page:	5. USE ONLY LATEST REVISED DRAWINGS OF THOSE THAT ARE ISSUED FOR CONSTRUCTION.
320 SHEPPARD AVENUE EAST, M2N 3B4 TORONTO, ONTARIO, CANADA.	3/16"=1'	A2	6. ALL STRUCTURAL DESIGN MUST BE REVIEWED AND APPROVED BY CERTIFIED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
		THIS UNDERSIGNED HAS REVIEWED & TAKES RESPONSIBILITY FOR THIS DESIGN, & HAS THE QUALIFICATIONS & MEETS THE REQUIREMENTS SET OUT IN THE O.B.C. TO BE A DESIGNER Ali Shakeri BCIN#24574 P&A Associates Ltd. BCIN#30999	

STRUCTURAL MEMBERS:

J1: LPI 20 Plus 11" @ 18" o/c
J2: LPI 42 Plus 11" @ 18" o/c
J3: LPI 42 Plus 11" @ 12" o/c

B1: 1-LVL 11"x11" 2.0E TYP.
B2: 2-LVL 11"x11" 2.0E TYP.
B3: 3-LVL 11"x11" 2.0E TYP.
B4: 4-LVL 11"x11" 2.0E TYP.

C1: HSS Ø 102X8
+5X5X $\frac{1}{2}$ " PL TOP
+10X10X $\frac{1}{2}$ " PL BOT.
+4X $\frac{3}{4}$ " A.B.
C2: HSS Ø 127X8
+5X5X $\frac{1}{2}$ " PL TOP
+6X10X $\frac{1}{2}$ " PL BOT.
+2X $\frac{3}{4}$ " A.B.

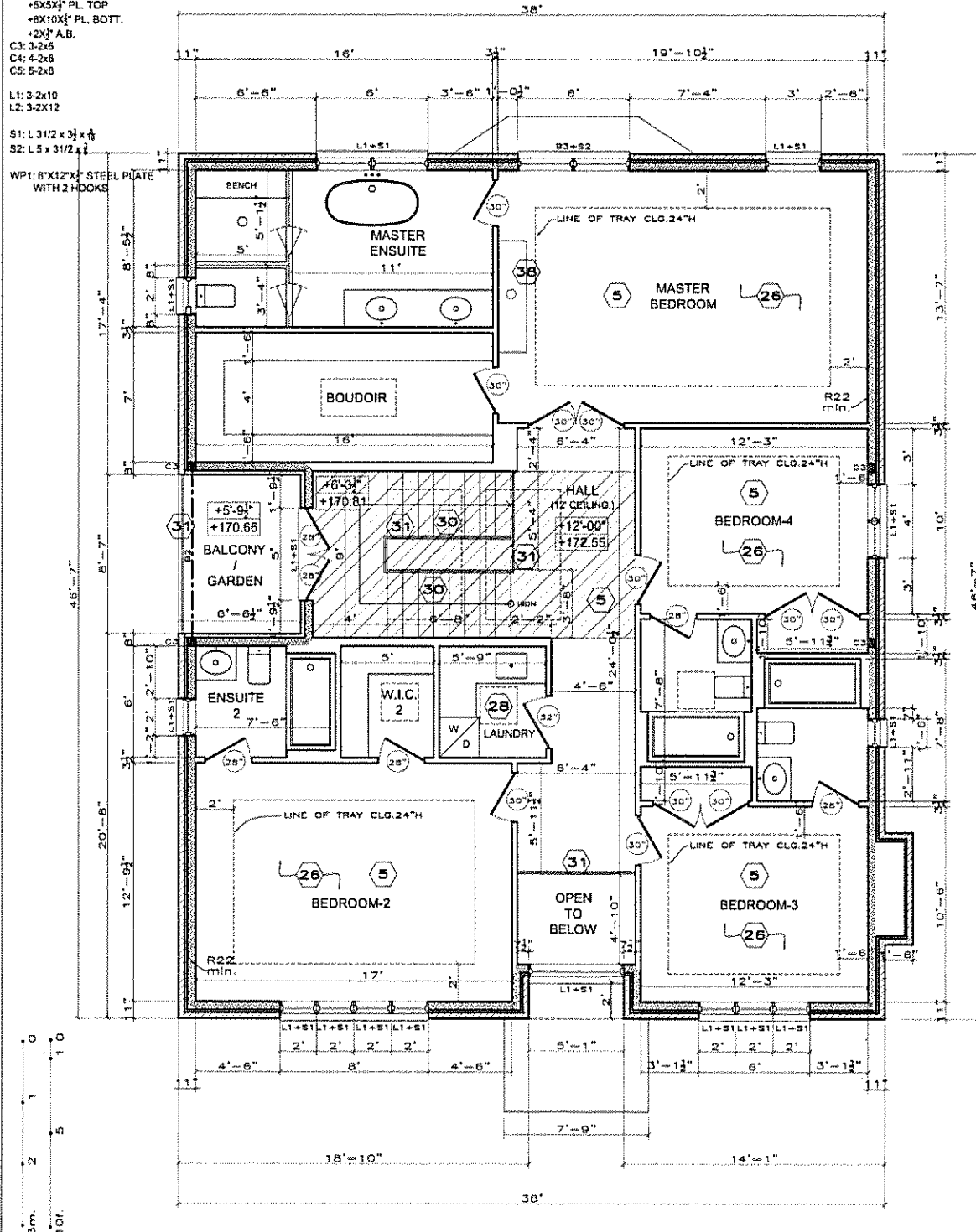
C3: 3-2x6
C4: 4-2x6
C5: 5-2x6

L1: 3-2x10
L2: 3-2x12

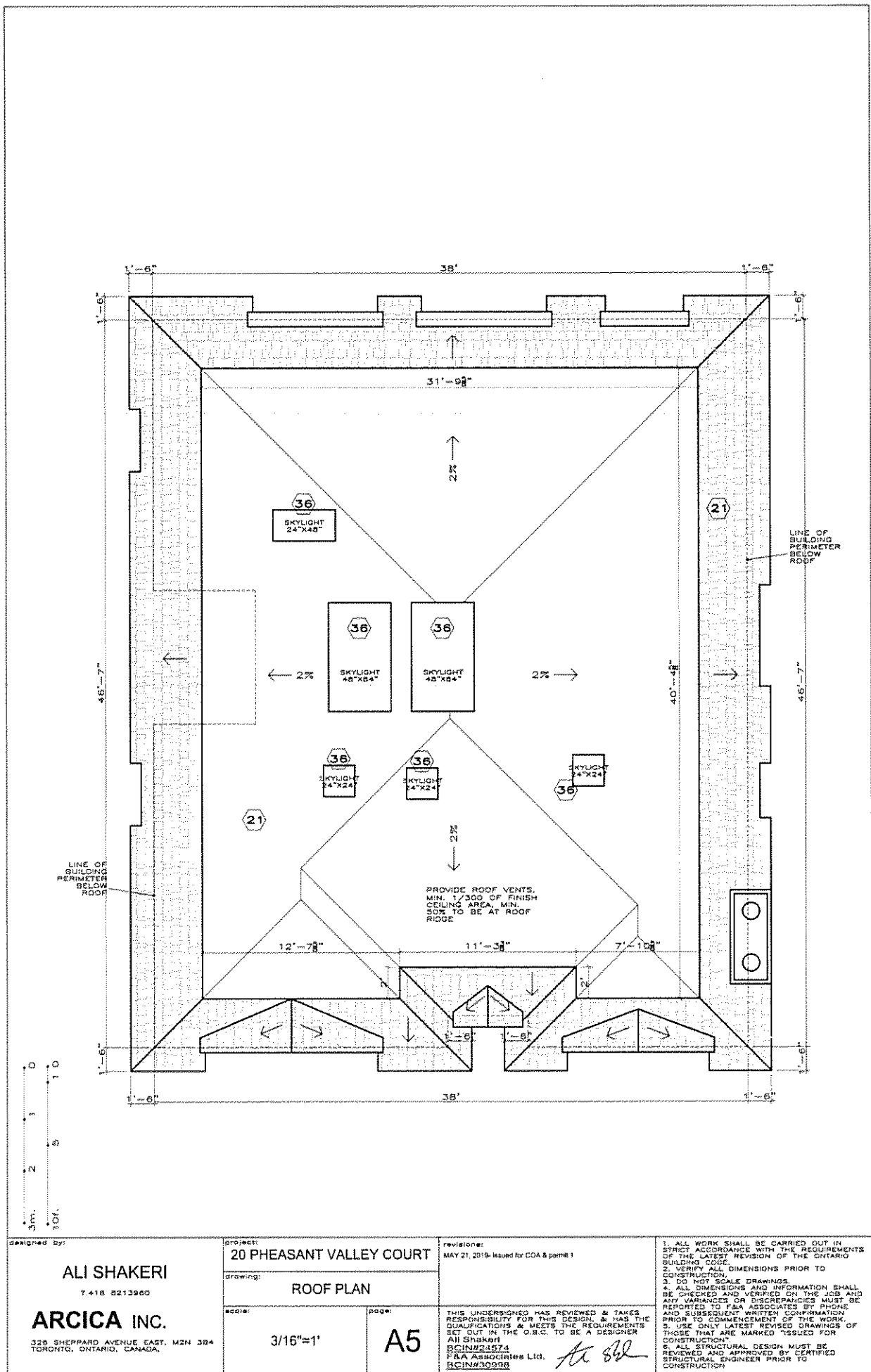
S1: L 31/2 x 3/4 x 1/4
S2: L 5 x 31/2 x 1/4

WP1: 8"x12"x $\frac{1}{2}$ " STEEL PLATE
WITH 2 HOOKS

NOTE:
ALL INTERIOR
WALL DIMENSIONS
SHOW FACE OF
STUDS



<p>designed by:</p> <p>ALI SHAKERI</p> <p>T: 416 8213900</p> <p>ARCICA INC.</p> <p>328 SHEPPARD AVENUE EAST, M2N 3B4 TORONTO, ONTARIO, CANADA</p>	<p>project:</p> <p>20 PHEASANT VALLEY COURT</p> <p>drawing:</p> <p>SECOND FLOOR PLAN</p> <p>scale:</p> <p>3/16"=1'</p> <p>page:</p> <p>A4</p>	<p>revisions:</p> <p>MAY 21, 2019- issued for COA & permit 1</p> <p>THIS UNDERSIGNED HAS REVIEWED & TAKES RESPONSIBILITY FOR THIS DESIGN, & HAS THE QUALIFICATIONS & MEETS THE REQUIREMENTS SET OUT IN THE O.B.C. TO BE A DESIGNER</p> <p>Ali Shakeri</p> <p>BCIN#24574</p> <p>P&A Associates Ltd.</p> <p>BCIN#37098</p>	<p>1. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE ONTARIO BUILDING CODE.</p> <p>2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.</p> <p>3. DO NOT SCALE DRAWINGS.</p> <p>4. ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY VARIANCES OR DISCREPANCIES MUST BE REPORTED TO P&A ASSOCIATES BY PHONE AND SUBSEQUENT WRITTEN CONFIRMATION PRIOR TO COMMENCEMENT OF THE WORK.</p> <p>5. USE ONLY LATEST REVISED DRAWINGS OF THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION"</p> <p>6. ALL STRUCTURAL DESIGN MUST BE REVIEWED AND APPROVED BY CERTIFIED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION</p>
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ARCICA INC.
328 SHEPPARD AVENUE EAST, SUITE 304
TORONTO, ONTARIO, CANADA

3/16"=1'

A6

THIS DOCUMENT IS THE PROPERTY OF THE ARCHITECT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT IS PROHIBITED. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT. THE ARCHITECT'S DESIGN IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT AND THE ARCHITECT. THE ARCHITECT DOES NOT WARRANT THAT THE DESIGN IS FREE FROM ERRORS OR OMISSIONS. THE ARCHITECT'S DESIGN IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE ARCHITECT'S WRITTEN CONSENT. THE ARCHITECT'S DESIGN IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE ARCHITECT'S WRITTEN CONSENT.

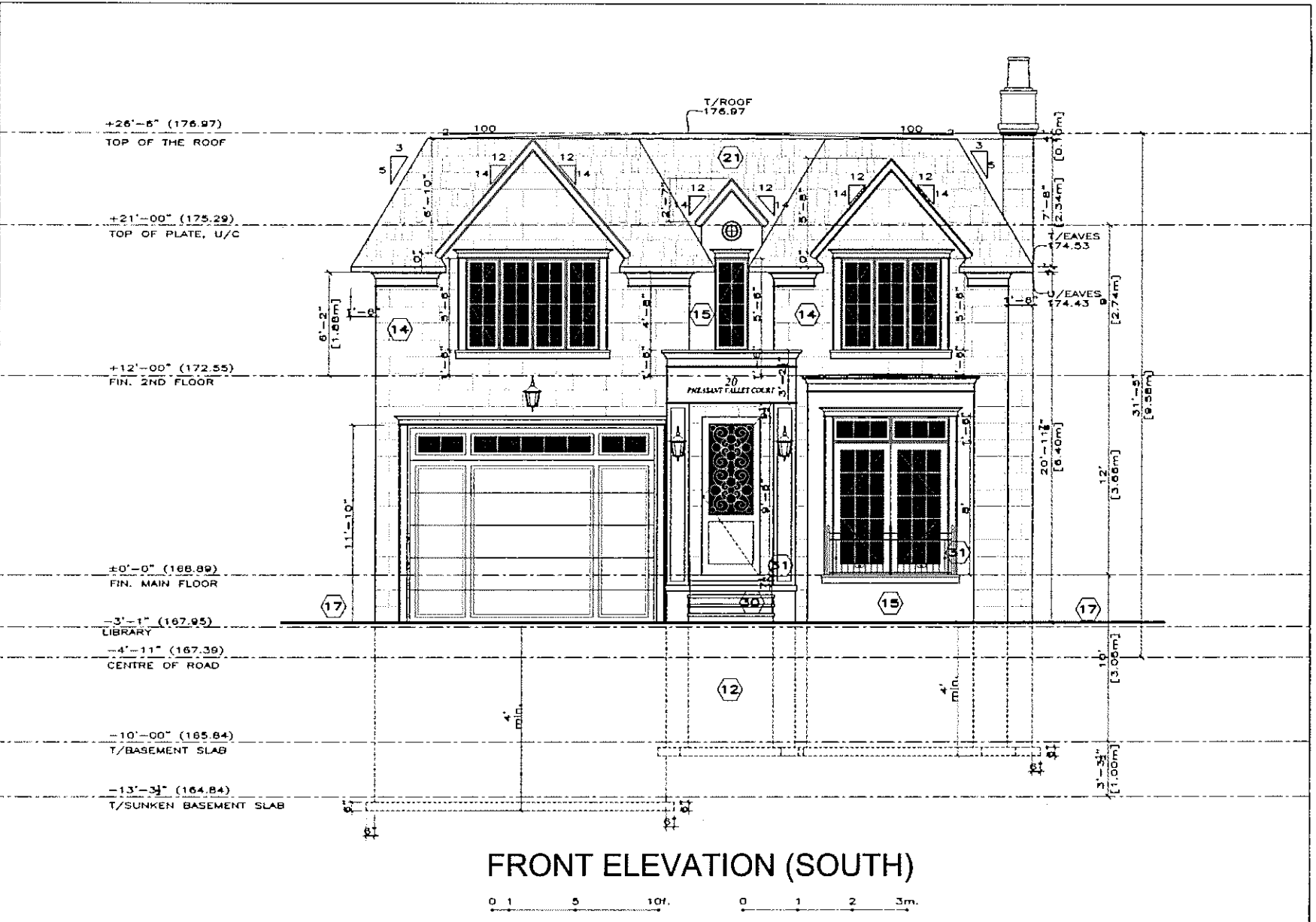
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CANADIAN NATIONAL BUILDING CODE (CNBC) AND THE ONTARIO BUILDING CODE (OBC). THE ARCHITECT'S DESIGN IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT AND THE ARCHITECT. THE ARCHITECT DOES NOT WARRANT THAT THE DESIGN IS FREE FROM ERRORS OR OMISSIONS. THE ARCHITECT'S DESIGN IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE ARCHITECT'S WRITTEN CONSENT. THE ARCHITECT'S DESIGN IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE ARCHITECT'S WRITTEN CONSENT.

ALI SHAKERI

7-616-821380

20 PHEASANT VALLEY COURT
FRONT ELEVATION (SOUTH)

Project: 20 PHEASANT VALLEY COURT
Drawing: FRONT ELEVATION (SOUTH)
Scale: 3/16"=1'
Sheet: A6
Date: MAY 21, 2018
By: ALI SHAKERI
Checked: ALI SHAKERI
Approved: ALI SHAKERI



A7

REAR ELEVATION(NORTH)

MAY 21, 2012 Issues for COA is printed

1. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE OUTWARD SLIDING COOL.

-13'-3 1/2" (164.84)
T/SUNKEN BASEMENT SLAB

T/ROOF
-178.87

T/EAVES
X-174.53

U/EAVES
6174.43

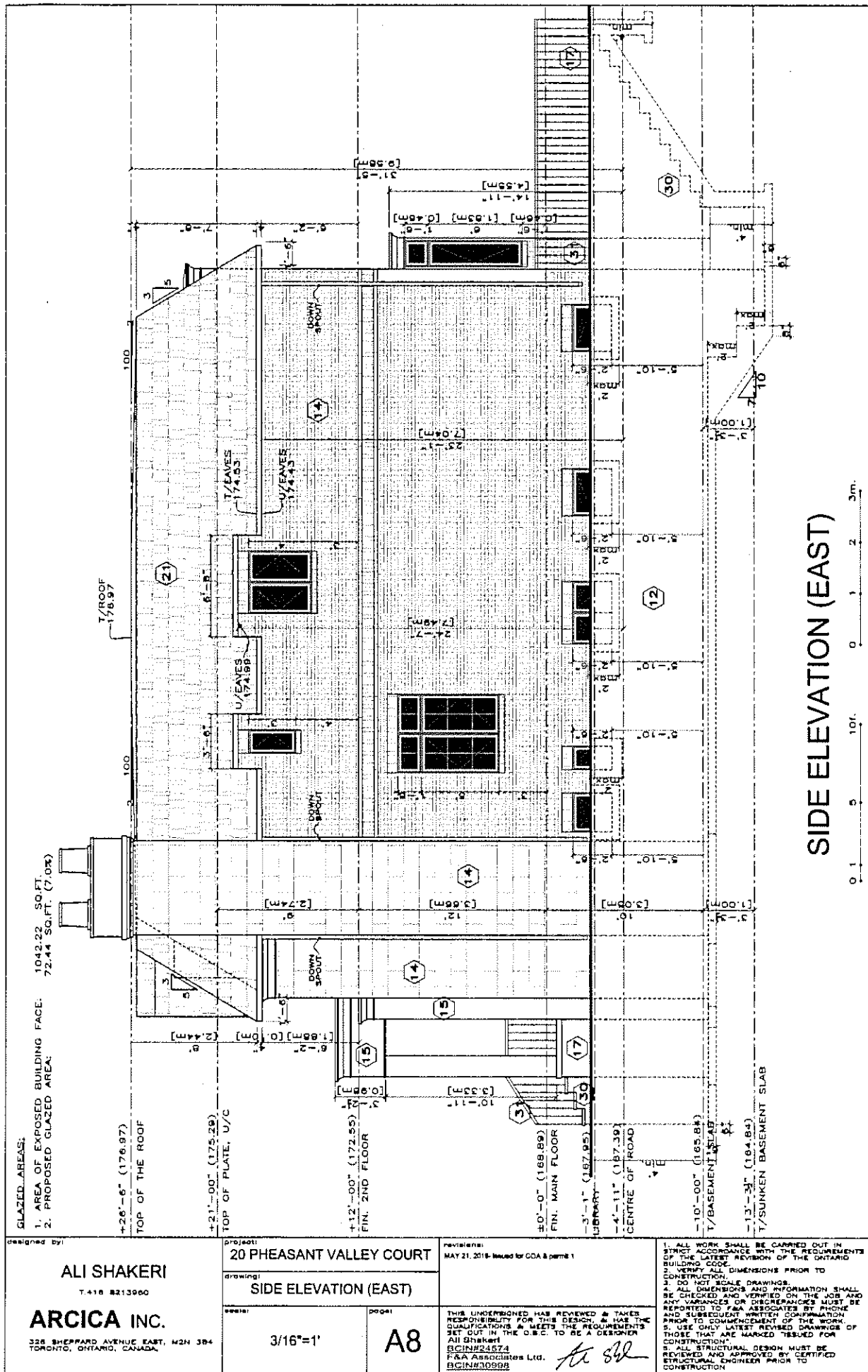
31-57
[8-38m]

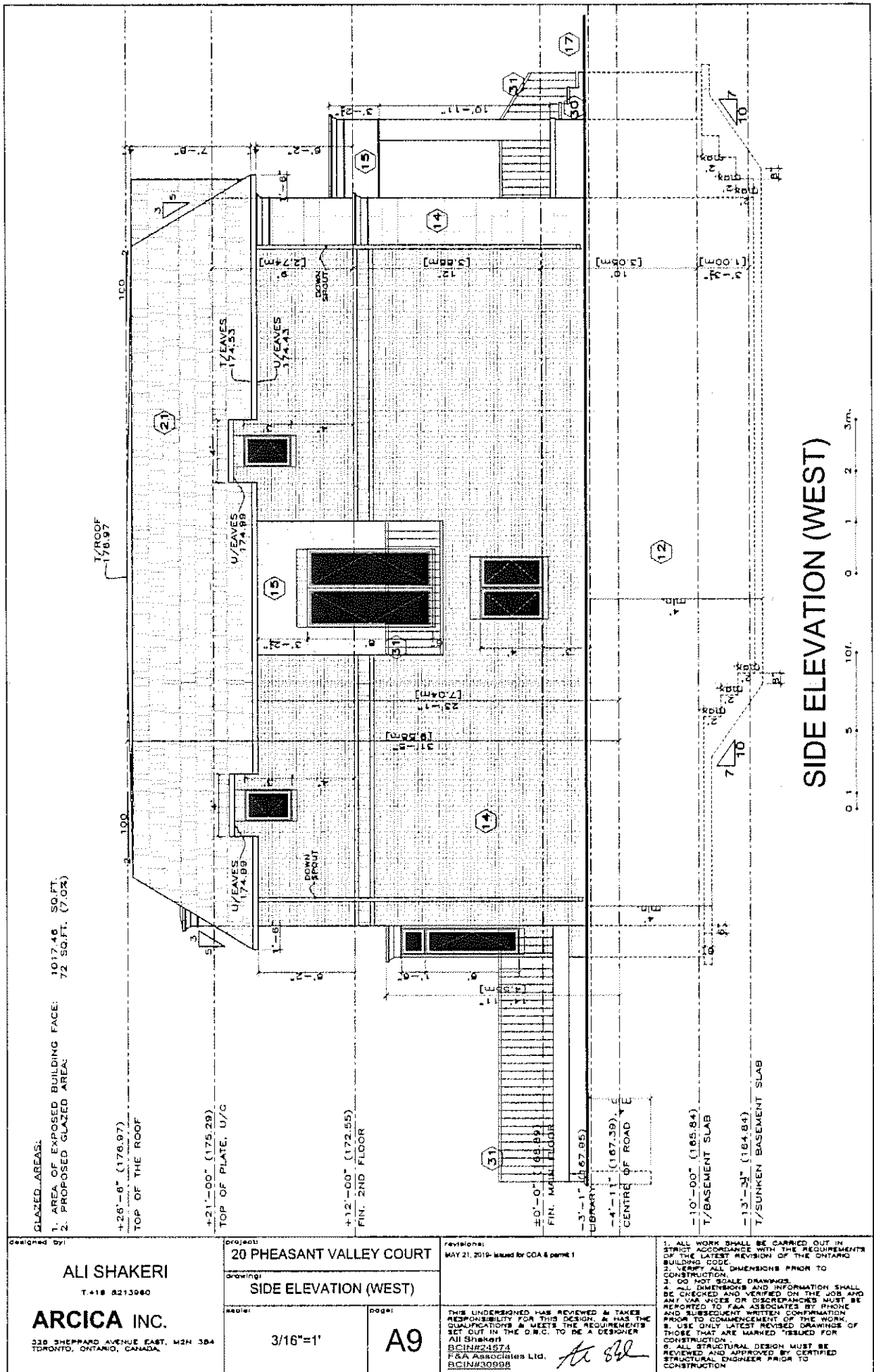
17

12

REAR ELEVATION (NORTH)

3m.	2	1	0	10f.	5	1	0
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<p>designed by:</p> <p>ALI SHAKERI</p> <p>T-418 8213980</p> <p>ARCICA INC.</p> <p>330 SHEPPARD AVENUE EAST, M2H 3B4 TORONTO, ONTARIO, CANADA</p>	<p>project:</p> <p>20 PHEASANT VALLEY COURT</p> <p>drawing:</p> <p>SIDE ELEVATION (WEST)</p> <p>scale:</p> <p>3/16"=1'</p>	<p>revisions:</p> <p>MAY 21, 2019- issued for COA & permit 1</p> <p>THIS UNDERSIGNED HAS REVIEWED & TAKES RESPONSIBILITY FOR THIS DESIGN. & HAS THE QUALIFICATIONS & MEETS THE REQUIREMENTS SET OUT IN THE D.M.C. TO BE A DESIGNER</p> <p>All Shakeri BCIN#24574 F&A Associates Ltd. BCIN#30998</p> <p><i>At 8/22</i></p>	<p>1. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE ONTARIO BUILDING CODE.</p> <p>2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.</p> <p>3. DO NOT SCALE DRAWINGS.</p> <p>4. ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY VARIANCES OR DISCREPANCIES MUST BE REPORTED TO F&A ASSOCIATES BY PHONE AND SUBSEQUENT WRITTEN CONFIRMATION PRIOR TO COMMENCEMENT OF THE WORK.</p> <p>5. USE ONLY LATEST REVISED DRAWINGS OF THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".</p> <p>6. ALL STRUCTURAL DESIGN MUST BE REVIEWED AND APPROVED BY CERTIFIED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.</p>
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DESIGNED BY:
ALI SHAKERI
T. 416 8213880
ARCICA INC.
328 SHEPPARD AVENUE EAST, MAIN 304
TORONTO, ONTARIO, CANADA

PROJECT:
20 PHEASANT VALLEY COURT

SECTION

SCALE:
3/16"=1'

CODE:
A10

REVISIONS:
MAY 21, 2018: ISSUED FOR CON. & PERM. 1

THIS UNDERSIGNED HAS REVIEWED & TAKES RESPONSIBILITY FOR THE DESIGN OF THE STRUCTURE SHOWN HEREIN. THE DESIGNER'S NAME, ADDRESS, PHONE NUMBER, AND SIGNATURE MUST BE PLACED IN THE O.B.C. TO BE A DESIGNER AT THE TIME OF THE REVIEW. THE REQUIREMENTS OF THE O.B.C. MUST BE FOLLOWED. THE DESIGNER'S NAME, ADDRESS, PHONE NUMBER, AND SIGNATURE MUST BE PLACED IN THE O.B.C. TO BE A DESIGNER AT THE TIME OF THE REVIEW. THE REQUIREMENTS OF THE O.B.C. MUST BE FOLLOWED.

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE O.B.C. 2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

+26'-6" (176.97)
TOP OF THE ROOF

+21'-00" (175.29)
TOP OF PLATE, U/C

+12'-00" (172.55)
FIN. 2ND FLOOR

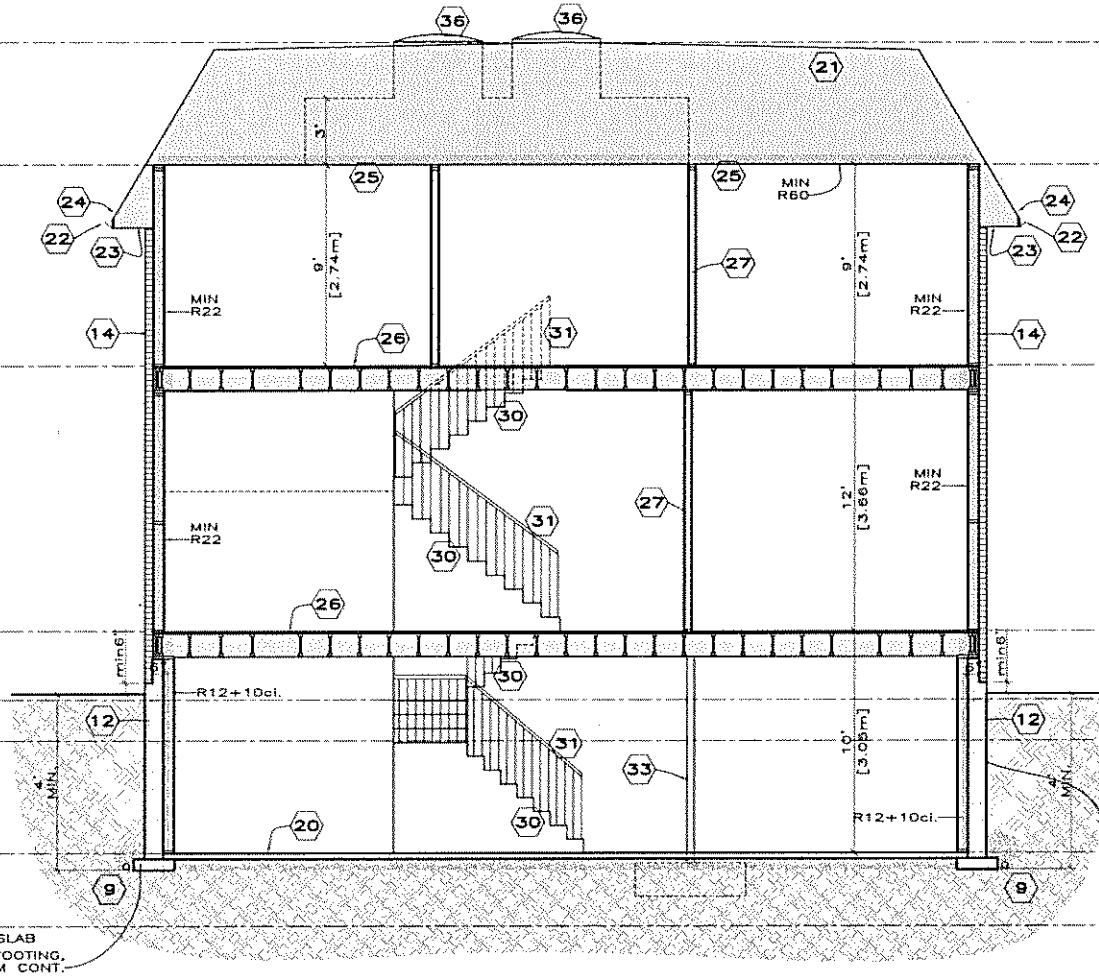
#0'-0" (168.89)
FIN. MAIN FLOOR

-3'-1" (167.95)
LIBRARY

-4'-11" (167.39)
CENTRE OF ROAD

-10'-00" (165.84)
T/BASEMENT SLAB

-13'-3 1/2" (164.84)
T/SUNKEN BASEMENT SLAB
24"x8" FOOTING,
2-15M CONT.



10" CONC. WALL
25 MPA
15M Ø16" O/C E.W.
15M Ø16" O/C
DOWELS
OR
10" CONC. BLOCKS,
15M Ø16" O/C VERTICAL
15M Ø16" O/C DOWELS
FILL VOIDS WITH 20MPA CONC.

TYPICAL CROSS SECTION

0 1 5 10f. 0 1 2 3m.

CONSTRUCTION SPECIFICATIONS

1. GENERAL: ALL DIMENSION TO BE CONFIRMED ON SITE AND ANY VARIANCES OR DISCREPANCIES MUST BE REPORTED TO THE DESIGNER BY PHONE AND SUBSEQUENT WRITTEN NOTICE PRIOR TO COMMENCEMENT OF THE JOB

2. GENERAL: ALL WORK SHALL BE CARRIED OUT WITH STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE O.B.C.

3. GENERAL: ALL STRUCTURAL LUMBER TO BE #1 OR #2 SPRUCE-PINE-FIR CONSTRUCTION GRADE, UNLESS OTHERWISE SPECIFIED

4. GENERAL: ALL LUMBER TO BE SUPPORTED MIN. 6" ABOVE FINISH GRADE UNLESS PRESSURE TREATED OR SEPARATED FROM CONCRETE BY DAMPPROOFING MATERIAL

5. GENERAL: SMOKE ALARMS AND CARBON MONOXIDE ALARMS SHALL BE INSTALLED AS PER O.B.C. 9.10.19 & O.B.C. 9.33.4. SMOKE ALARMS SHALL BE INSTALLED ON ALL FLOORS AND IN EVERY BEDROOM. CARBON MONOXIDE ALARM IS REQUIRED FOR THE DETACHED GARAGE CONDITION. ALL SMOKE ALARMS MUST HAVE A VISUAL COMPONENT.

6. GENERAL: SURFACE FLAME SPREAD RATING OF ALL INTERIOR FINISHES NOT TO EXCEED 150

7. GENERAL: JOINTS BETWEEN SLABS ON GRAD, FOUNDATION WALLS, AROUND PIPES, CONDUITS OR DUCTS THAT PENETRATE SUCH, SHALL BE FILLED W/ BITUMEN RUBBER OR COAL TAR

8. GENERAL: FOOTINGS TO BE POURED ON NATURALLY UNDISTURBED SOIL CAPABLE OF BEARING 3 K.S.F. AT MIN. 4'-0" FEET BELOW GRADE. USE 3600 P.S.I. CONCRETE @ 28 DAYS FOR FOOTINGS AND FOUNDATION WALLS. STEP FOOTINGS HORIZONTAL STEPS SHALL BE MIN. 2'-0" AND VERTICAL STEPS SHALL BE NO GREATER THAN 2/3 OF HORIZONTAL STEP TO A MAX. OF 2'-0" AS PER O.B.C. 9.15.3.8. FOOTING OVER TRENCHES TO BE REINFORCED W/ 2-#4 BARS @ 1/3 POINTS

9. DRAINAGE: 4" DIAMETER WEEPING TILE W/ 6" CRUSHED STONE COVER

10. GENERAL: ALL STRUCTURAL STEEL TO CONFORM TO REQUIREMENTS FOR GRADE 300W STEEL IN CAN.CSA-G40.21, "STRUCTURAL QUALITY STEELS"

11. RESERVED

12. CONCRETE: DRAINAGE LAYER OVER 2 COATS OF BITUMINOUS DAMPPROOFING ON POURED CONCRETE FOUNDATION WALL. MOISTURE BARRIER TO HEIGHT OF EXTERIOR GRADE, 2x4 WOOD STRAPPING, MIN. R12+10 CI BATT INSUL. W/ 6 MIL FULL HEIGHT POLY AIR / VAPOUR BARRIER ON THE WARM SIDE. LEAVE 2" GAP BETWEEN CONC. WALL AND STRAPPING TO ALLOW FOR CENT. INSULATION, 1/2" INTERIOR DRYWALL FINISH

13. WALL ASSEMBLY: 4" NATURAL STONE OR BRICK LAYER W/ 0.03 THK. 7/8" WIDE ADJUSTABLE GALVANIZED STEEL TIES INSTALLED W/ GALVANIZED SPIRAL NAILS OR SCREWS 52" O.C. HORIZONTAL 16" O.C. VERTICAL. FILL SPACE BETWEEN THE STONE AND FOUNDATION WALL WITH MORTAR

14. WALL ASSEMBLY: 4" NATURAL STONE OR BRICK LAYER W/ WEEP HOLES AT 31" O.C., 1" AIR SPACE, 0.03 THK. 7/8" WIDE ADJUSTABLE GALVANIZED STEEL TIES INSTALLED W/ GALVANIZED SPIRAL NAILS OR SCREWS 52" O.C. HORIZONTAL 16" O.C. VERTICAL, 20 MIL POLY FLASHING MIN. 6" UP BEHIND THE SHEATHING PAPER, SHEATHING PAPER LAYERS TO OVERLAP EACH OTHER, 1/2" THK. PLYWOOD SHEATHING, 2x6 WOOD STUDS @ 16" O.C., R22 BATT INSUL. IN CONTINUOUS CONTACT W/ EXTERIOR SHEATHING, 6 MIL CONTINUOUS POLY AIR / VAPOUR BARRIER ON WARM SIDE, 5/8" INTERIOR TYPE "X" DRYWALL FINISH, DOUBLE PLATE @ TOP, SOLE PLATE @ BOTTOM

15. STUCCO WALL: STUCCO FINISH, 2" STYROFOAM (REPLACE WITH 1" CEMENT BOARD WHERE CLOSER THAN 2" TO PROPERTY LINE), DRYVIT DRAINAGE MATT, TYVEC SHEATHING PAPER, SHEATHING PAPER LAYERS TO OVERLAP EACH OTHER, 1/2" THK. TYPE X PLYWOOD SHEATHING, 2x6 WOOD STUDS @ 16" O.C., R22 BATT INSUL. IN CONTINUOUS CONTACT W/ EXTERIOR SHEATHING, 6 MIL CONTINUOUS POLY AIR / VAPOUR BARRIER ON WARM SIDE, 5/8" INTERIOR TYPE "X" DRYWALL FINISH, DOUBLE PLATE @ TOP, SOLE PLATE @ BOTTOM

16. RESERVED

17. GRADE: SLOPE GRADE AWAY FROM BUILDING FACE

18. SILL PLATE: 2x6 SILL PLATE FASTENED TO FOUNDATION WALL WITH MIN. 1/2" DIA. ANCHOR BOLTS EMBEDDED MIN. 4" INTO CONCRETE @ 4" O.C. & PROVIDE CAULKING OR GASKET BETWEEN PLATE & FOUNDATION WALL

19. FLOOR INSULATION: CONTINUOUS HEADER JOIST W/ R22 BATT INSUL., EXTEND VAPOUR / AIR BARRIER & SEAL TO JOIST & SUBFLOOR

20. BASEMENT SLAB: 4" POURED CONCRETE SLAB (3600 PSI CONC. STRENGTH) 6" CRUSHED STONE BELOW. THICKEN THE SLAB TO 6" UNDER THE STAIRCASE AREA.

21. ROOF CONSTRUCTION: 20 YEARS ASPHALT SHINGLES (2 LAYERS OF FELT ROOFING MEMBRANE WHERE FLAT ROOF) ON 3/8" EXTERIOR PLYWOOD SHEATHING ON APPROVED ROOF TRUSSES

22. OVERHANG CONSTRUCTION: 8" PREFINISHED ALUMINUM FACIA, EAVES TROUGH & RAIN WATER LEADERS TO MATCH THE EXTERIOR FINISHES. PROVIDE DRIP EDGE AT FACIA & VENTED SOFFIT, EXTEND DOWNSPOUT TO GRADE LEVEL, PROVIDE PRECAST CONCRETE SPLASH PAD

23. ROOF VENTILATION: 1/300 OF THE INSULATED CEILING AREA UNIFORMLY DISTRIBUTED

24. EAVES PROTECTION: EAVESTROUGH PROTECTION MEMBRANE TO EXTEND FROM THE EDGE OF THE ROOF 36" UP THE SLOPE BUT NOT LESS THAN 12" BEYOND THE INTERIOR FACE OF THE EXTERIOR WALL

25. CEILING CONSTRUCTION: 5/8" THK. INTERIOR DRYWALL FINISH, CONTINUOUS AIR / VAPOUR BARRIER W/ MIN. R50 BATT INSULATION.

26. FLOOR CONSTRUCTION: 3/4" T&G PLYWOOD SUBFLOOR GLUE-NAILED ON TJI FLOOR JOISTS @ 16" O.C. UNLESS NOTED OTHERWISE, DOUBLE ALL JOISTS UNDER PARTITIONS THAT ARE PARALLEL TO THE FLOOR JOISTS UNLESS OTHERWISE NOTED

27. INTERIOR STUD PARTITION: 1/2" DRYWALL FINISH BOTH SIDES OF 2x4 or 2x6 WOOD STUDS @ 16" O.C., 2 TOP PLATES & 1 BOTTOM PLATE, PROVIDE SOUND ATTENUATION INSULATION IN BATHROOM WALLS & WHERE INDICATED ON DRAWINGS, USE MOISTURE RESISTANT DRYWALL IN BATHROOMS

28. ATTIC ACCESS: 21.5"x23" ATTIC ACCESS WITH INSULATION. PROVIDE WEATHER STRIPPING AROUND THE PERIMETER

29. MECHANICAL VENTILATION: PROVIDE MIN 1 AIR CHANGE PER HOUR IN ROOMS SPECIFIED TO BE MECHANICALLY VENTED, 80 CFM FOR BATH PRIMARY VENTS.

30. STAIRS INTERIOR/EXTERIOR:

MAXIMUM RISE 7-7/8"
MINIMUM RISE 4-7/8"
MINIMUM RUN 8-1/4"
MAXIMUM RUN 14"
MINIMUM TREAD 9-1/4"
MAXIMUM TREAD 14"
MAXIMUM NOSING 1"
MINIMUM WIDTH 2'-10"
MINIMUM HEADROOM 6'-5"

31. GUARDS:

INTERIOR LANDINGS 2'-11"
EXTERIOR BALCONY 3'-6"
INTERIOR STAIRS 2'-11"
EXTERIOR STAIRS 2'-11"
MAXIMUM BETWEEN PICKETS 4"
GUARD HEIGHT IF DECK TO GRADE IS GREATER THAN 5'-11" 3'-6", 5'-11" OR LESS 2'-11"
NO MEMBER OR ATTACHMENT BETWEEN 4" & 2'-11" HIGH SHALL FACILITATE CLIMBING

32. PIERS: 16" DIA. SONOTUBE FOR POURED CONCRETE PIERS MIN. 4" BELOW GRADE, 6"x6" WOOD POST ANCHORED TO CONCRETE PIER W/ METL SHOE & 1/2" DIA. BOLT EMBEDDED INTO THE CONCRETE PIER MIN. 4"

33. STEEL COLUMN: HSS0102X8 W/8"x8"x1/2" TOP & BOTTOM PLATE, 60"x80"x18" CONCRETE PAD WITH 15M @12" O/C E.W. BOTT., UNLESS NOTED OTHERWISE.

34. STEEL BEAM: AS SHOWN

35. GARAGE FLOOR: 4" CONCRETE SLAB (4650PSI) ON 6" CRUSHED STONE AND COMPACTED SOIL TO 7% AIR ENTRAINMENT, REINFORCED WITH 6"x6"x6/8 WELDED WIRE MESH

36. SKYLIGHT: "ARTISTIC" SKYLIGHT

37. HEATING: FUR-IN DUCTS WITH 1/2" DRYWALL ON 2x2 FRAMING, DUCTS TO BE INSULATED WITH MIN. R4 WHERE AGAINST EXTERIOR WALL

38. FIREPLACE: GAS FIREPLACE AS PER MANUFACTURER'S TUNER SPEC. INSTALL AS PER GAS CODE OF ONTARIO

39. INTERLOCKING STONE

40. DRYLAID RETAINING WALL: RISI STONE, MODEL "PISA 2"

designed by:

ALI SHAKERI

T +1 416 2193903

ARCICA INC.

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TORONTO, ONTARIO, CANADA

project:

20 PHEASANT VALLEY COURT

drawing:

CONSTRUCTION SPECIFICATIONS

scale:

page:

A11

revisions:

MAY 21, 2019- Issued for COA & permit

THIS UNDERSIGNED HAS REVIEWED & TAKES RESPONSIBILITY FOR THIS DESIGN, & HAS THE QUALIFICATIONS & MEETS THE REQUIREMENTS SET OUT IN THE O.B.C. TO BE A DESIGNER
Ali Shakeri
BCIN#24573
P.E.A. ASSOCIATES Ltd.
BCIN#30298

1. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE ONTARIO BUILDING CODE.
2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
3. DO NOT SCALE DRAWINGS.
4. ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY VARIANCES OR DISCREPANCIES MUST BE REPORTED TO P.E.A. ASSOCIATES BY PHONE AND SUBSEQUENT WRITTEN CONFIRMATION PRIOR TO COMMENCEMENT OF THE WORK.
5. USE ONLY LATEST REVISED DRAWINGS OF THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
6. ALL STRUCTURAL DESIGN MUST BE REVIEWED AND APPROVED BY CERTIFIED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION