

Notes:

Prior To Submitting A Building Permit Application, The Builder Shall Have Individual Siting Plans For Each Lot Approved By The Subdivider's Consulting Engineer, Which Comply With The Approved Subdivision Grading Plans And Composite Utility Plans. Siting Plans Shall Include As Constructed Sanitary And Storm Service Connection Invert Elevations At The Street Line For Each Lot.

Where Indicated On This Plan, Lots Which Abut The Subdivision Limit Shall Be Graded To Provide A Minimum 0.6 Metre Strip Of Undisturbed Land Adjacent To The Subdivision Limit. All Embankments Required For The Grading Of The Lots Shall Commence At The Inside Edge Of This Strip Of Land.

Drainage Swales Shall Be Constructed By The Builder On The Property Line And To The Grades, Depths And Sections Specified Herein:

- Minimum Depth = 0.15. Maximum Depth = 0.50m
- Minimum Gradient = 2.00%. Maximum Gradient = 5.00%
- 3:1 Maximum Side Slopes

All Embankments Formed During Lot Grading Shall Have A Maximum Five (5) Horizontal To One (1) Vertical Slope.

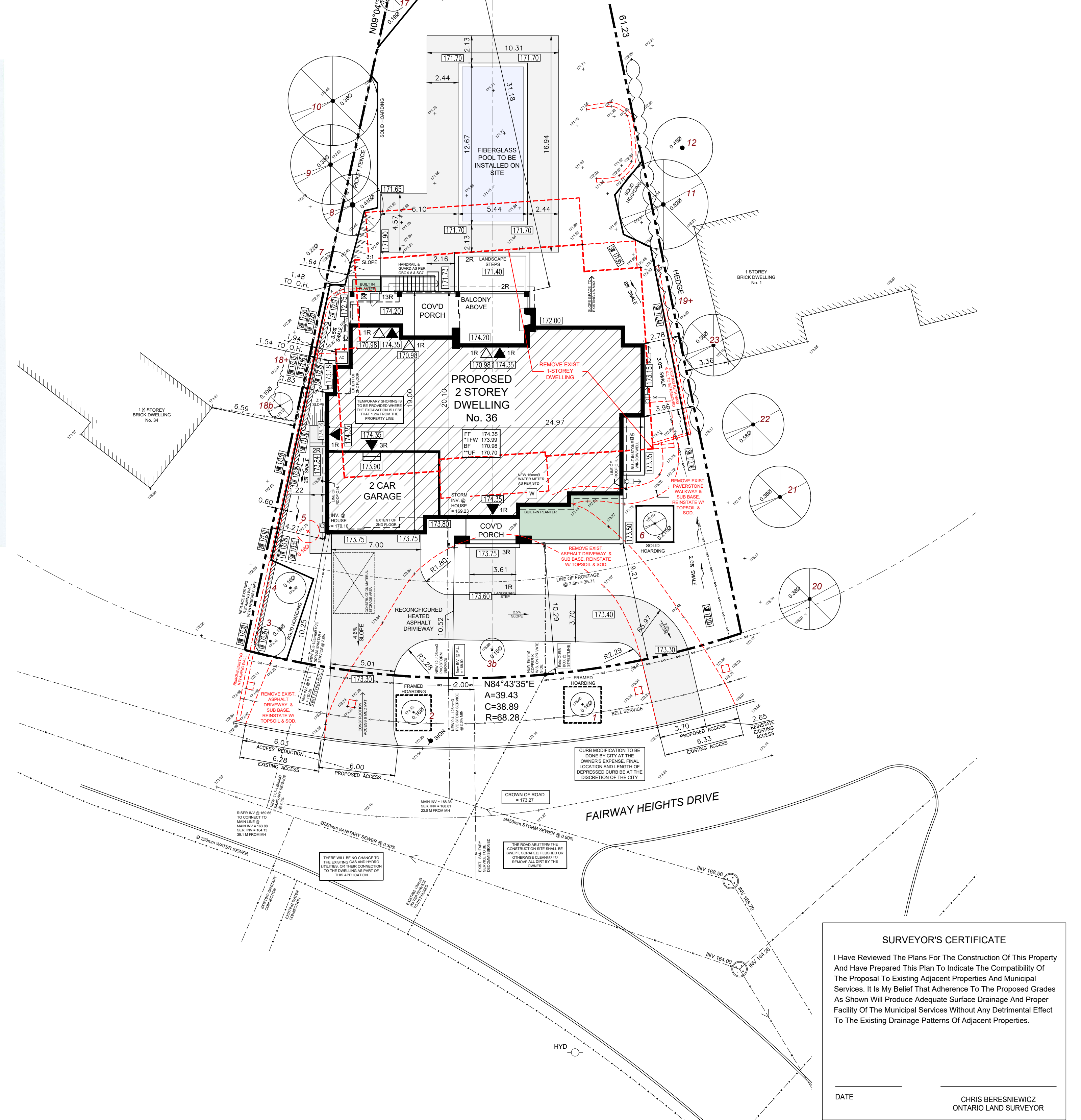
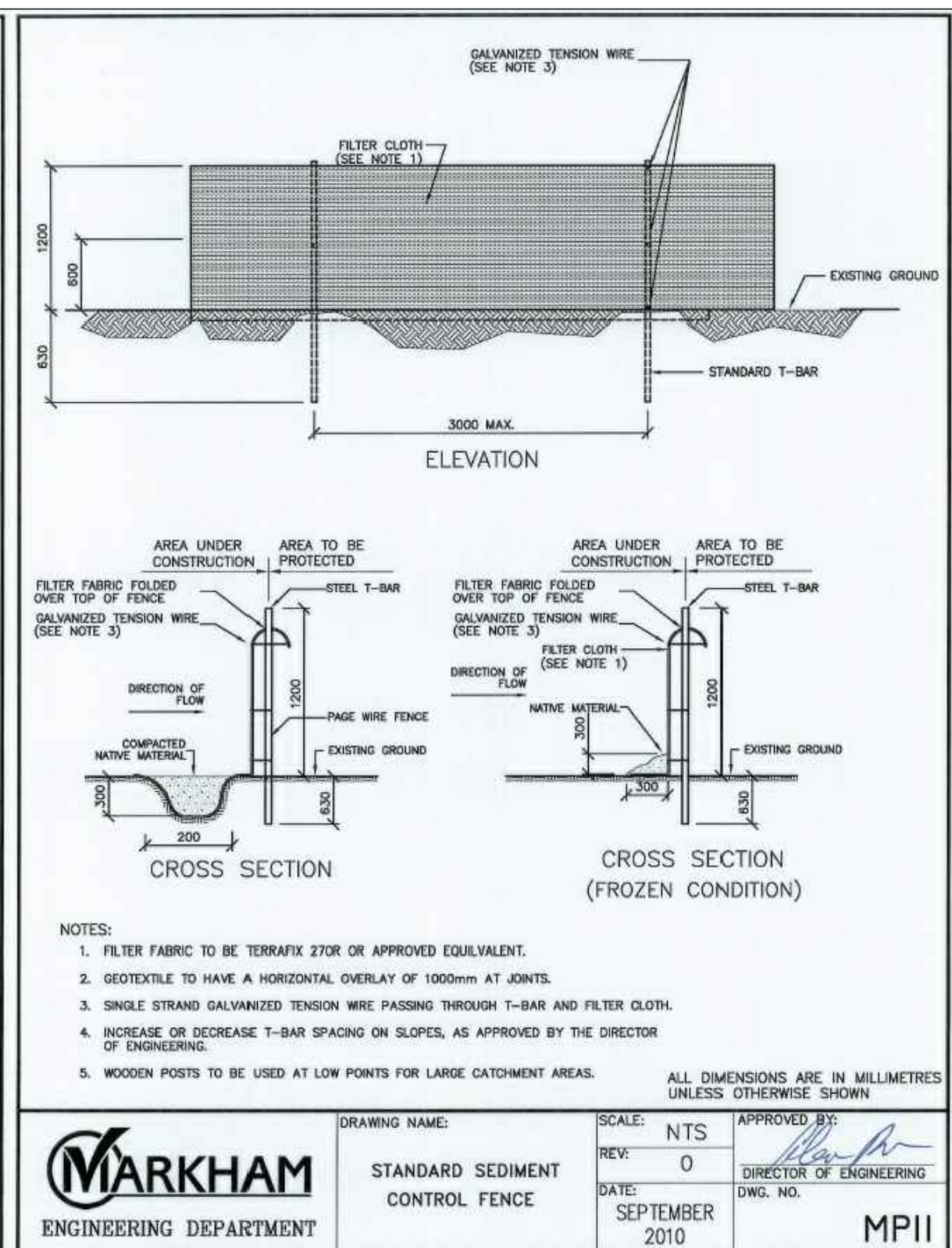
Driveways Shall Not Be Used As An Outlet For Any Side Yard Swales.

Driveways Shall Have A Gradient Between 2.00% To 8.00%.

Retaining Wall Designs Shall Be As Per Manufacturer's Specifications And Are To Be Stamped By The Structural Design Engineer. All Retaining Walls Are To Be Inspected By A Consulting Engineer During Construction And Certified Upon Completion Prior To Release Of Grading Deposit.

When A Separation Between Houses Is Less Than 3 Metres, Place 190mm Of Clear Stone To A Depth Of 100mm In Place Of Topsoil & Sod. A Positive Grade Away From The House At Subgrade Level Is Mandatory.

Underside Of Basement Floor Shall Be Min. 0.5m Above The 100 Year Hydraulic Grade Line.



Project:

Kianian Home

36 Fairway Heights Drive

Lot 75

Registered Plan 6350

City of Markham,
Regional Municipality of York

Drawing:

Site Plan

Scale: 1:200

Date: Jul 2019

Dwn by: EC

Proj. no.: 19- 1735

SP

SURVEYOR'S CERTIFICATE

I Have Reviewed The Plans For The Construction Of This Property
And Have Prepared This Plan To Indicate The Compatibility Of
The Proposal To Existing Adjacent Properties And Municipal
Services. It Is My Belief That Adherence To The Proposed Grades
As Shown Will Produce Adequate Surface Drainage And Proper
Facility Of The Municipal Services Without Any Detrimental Effect
To The Existing Drainage Patterns Of Adjacent Properties.

DATE _____

CHRIS BERESNIEWICZ
ONTARIO LAND SURVEYOR

Schedules

Wood Lintels / Beams

B1 2x26	B7 2x2x12	B13 1-9/5" LVL	B19 1-14" LVL
B2 3x26	B8 3x2x12	B14 2-9/5" LVL	B20 2-14" LVL
B3 4x26 Bolted	B9 4x2x12 Bolted	B15 3-9/5" LVL	B21 3-14" LVL
B4 2x2x10	B10 1-11/8" LVL	B16 1-11/8" LVL	B22 1-16" LVL
B5 3x2x10	B11 2-7/25" LVL	B17 2-11/8" LVL	B23 2-16" LVL
B6 4x2x10 Bolted	B12 3-7/25" LVL	B18 3-11/8" LVL	B24 3-16" LVL

Note: where solid (1) piece lumber shown - do not substitute multiple ply.

- Note:
- Engineered wood beams to be min. 2.0e or equal and 1-3/4" in width. Nailing pattern see S1.
 - SDS® + Simpson Strong-Tie Strong-Drive heavy-duty connector screws. Refer to manu. specs. for exact details (see typ. detail screw patterns).

Columns / Posts

P2 3-2x6	P4 4-2x6	P6 3-2x4	P8 5-2x4	P10 6x6	P12 4-2x8
P3 3-2x6	P5 5-2x6	P7 4-2x4	P9 3x4	P11 3-2x8	

C1 HSS 3.5"x3.5"x0.25" - Brg. Plate 6"x5/8"x10" + (2) 5/8" Dia. A.B.
C2 HSS 4"x4"x0.312" - Brg. Plate 10"x3/4"x10" + (2) 3/4" Dia. A.B.
C3 HSS 5"x5"x0.375" - Brg. Plate 11"x3/4"x11" + (2) 3/4" Dia. A.B.
C4 HSS 5"x5"x0.375" - Brg. Plate 11"x1"x11" + (2) 3/4" Dia. A.B.
S1 W10x40 Exposed steel postbeam
S2 W12x40 Exposed steel postbeam

Steel Lintels

L1 3.5" x 3.5" x 1/4"	L3 5" x 3.5" x 5/16"	L5 6" x 4" x 3/8"
L2 5" x 3.5" x 1/4"	L4 5" x 3.5" x 3/8"	L6 7" x 4" x 1/2"

Steel Plates

WP1 6"x5/8"x10" + (2) 5/8" Diameter Anchor Bolts	12" Anchor bolt
WP2 6"x7/8"x14" + (2) 3/4" Diameter Anchor Bolts	
WP3 11"x1"x11" + (2) 3/4" Diameter Anchor Bolts	

All Structural Steel to Conform To G40.21-350W

Concrete Footings

BEW = Bottom Bars Each Way	F4 42" x 42" x 16" Deep c/w 5-15M BEW	F5 48" x 48" x 16" Deep c/w 5-15M BEW
F1 24" x 24" x 12" Deep	F6 54" x 54" x 18" Deep c/w 7-15M BEW	F7 60" x 60" x 20" Deep c/w 9-15M BEW
F2 30" x 30" x 14" Deep	F8 66" x 66" x 20" Deep c/w 9-15M BEW	
F3 36" x 36" x 16" Deep		

- > Strip footings below load bearing walls to have a min. 6" projection minimum 8" in depth + 2-15m bottom continuous
- > All footings to bear on undisturbed soil, rock or engineered fill certified by soils engineer
- > Min. soil bearing capacity = SLS 120 Kpa (2500 Psf) and to be verified by soils engineer prior to pouring footings

Refer to Sheet S1 for General Structural Notes

General Basement Notes:

1. Typical poured concrete basement floor

- 3" concrete slab c/w 6 mil poly vapor barrier on granular fill

2. Typical 2x6 interior load bearing wall

- 2x6 stud wall (@ 16" o.c.) on 10 mil poly moisture barrier on 6" concrete curb (anchored w/ 1/2" a.b. @ 4'-0" o.c.) on 18" x 8" deep poured concrete foot. + 2-15m bars bottom continuous

3. Typical basement wall strapping with insulation

- 1/2" drywall on 6 mil poly v.b. on full ht. 2x4 studs @ 16" o.c. strapping c/w min. R12 batt insu'n + R10c or min. R20c (yp. for entire perimeter of new wall.)

4. Provide minimum 4" bearing ledge for structural slab support

- Typical poured concrete perimeter garage foundation walls

- 10" poured concrete foundation wall on 22" wide x 8" deep concrete footing (typ. U.N.O.)

6. Typical reinforced poured concrete foundation walls

- Reinforced 10" poured concrete foundation wall on 22" wide x 8" deep concrete footing (typ. U.N.O.)

7. Ensure soil backfilling on unexcavated spaces is done balanced placing soil equally on both sides to avoid collapse

8. Foundation drainage layer to comply with ont. Reg. 332/12 and subsection 9.14.2. And 9.14.4.

9. Typical cold room notes

- Vent cold room per obc 9.32.2.1 & 9.32.2.2 (0.2% floor area w/ rust proof insect screen). Cold room door to be metal insulated door with weather stripping

10. At least one smoke alarm shall be installed on or near the ceiling on each floor and basement levels as per OBC 9.10.19.1 (2)(3)(4). Smoke alarms and co. Alarms shall be interconnected. A carbon monoxide alarm shall be installed adjacent to every sleeping area for dwellings with fuel burning appliances, or an attached garage.

11. Typical interior door heights

- If ceiling height is 10'-0" or greater than interior doors to be 8'-0" tall

- If ceiling height is 9'-0" - 10'-0" then interior doors to be 7'-6" tall

- If ceiling height is less than 9'-0" then interior doors to be 6'-0" tall

12. Typical mechanical ventilation

- A principal dwelling exhaust fan shall be installed and controlled by a centrally located switch identified as such. Every bathroom, powder room and laundry room shall be equipped with a mechanical exhaust fan and vent.

13. Typical railing & guard heights

- An interior handrail & guard shall be @ 36" a.f.f. per obc 9.8 & b7

- An exterior handrail & guard shall be @ 36" (if less than a max. Of 6'-0" drop) per OBC 9.8 & b7

- An exterior handrail & guard shall be @ 42" (if greater than 6'-0" drop) a.f.f. per OBC 9.8 & b7 insulated door with weather stripping

14. Window wells to be precast unit interlocking retaining wall - drain to storm (typ.)

15. Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.

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General Notes:

1. Do not scale drawings

2. These plans are to remain the property of the designer and must be returned upon request. These plans must not be used in any other location without the written approval of the designer.

3. All works to be in accordance with the Ontario building code and all code references refer to OBC 2012 division 'B'

4. Contractor to check all dimensions, specifications, etc. On site and shall be responsible for reporting any discrepancy to the engineer and/or designer.

5. Structural engineer to be notified prior to pouring of concrete to inspect rubber septum during construction - engineer will not certify walls or footings/slabs unless prior inspection is conducted - it is the responsibility of the contractor to notify the project engineer and make all arrangements.

6. All wood framed window openings that exceed 48" wide are to have 2/2"x6" plates @ bottom of opening (typical.) U.N.O.

7. Adjustments or changes made to the floor layout roof truss layout, beams, lintels & point loads or required load bearing walls must be identified prior to construction and David W. Small Designs Inc. and project engineer must be notified for further review and approval.

8. All shop drawings for pavers units to be submitted for field review by site inspector prior to manufacturing and installation

9. SDS® = Simpson sluttering strong-drive heavy-duty connector screws. Refer to manu. specs. for exact details (see S1 for screw patterns)

10. Typical wall stud construction

- *Typical exterior walls to be 2x6 sep #2 @ 16" o.c. (up to 13' high)

- *All 14' & 16' high exterior walls to be 2x6 sep #2 @ 12" o.c.

- *Typical interior walls to be 2x6 sep #2 @ 16" o.c. (up to 13' high)

- *All 14' & 16' high interior walls to be 2x6 sep #2 @ 12" o.c.

- *All 10' high interior basement walls to be 2x6 sep #2 @ 16" o.c.

11. Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or strapping shall be fastened to the stud at mid-height as per OBC 9.23.10.2 (2)(5)

12. 3/4" subfloor sheathing to be screwed and glued to all TJI joists on all floors

13. Typical non load bearing partition

- 2x4 studs @ 16" o.c w/ double top & single bottom plate provide 1/2" drywall b/s engineer prior to pouring footings

14. Typical bathroom reinforcement

- Stud reinforcement required as per OBC. 9.5.2.3 in all bathrooms

15. All rigid or spray foam exposed interior insulation to be covered w/ taped and 'mudded' drywall

16. Specific location of hydro meter to be established by local utility on exterior of the house

17. All electrical panels & components to comply with OBC. 9.3.4. & specific requirements of the local utility supplier

18. Protection from dampness

- All wood framing members that are not pressure treated & which are supported on concrete. In contact with ground or fill shall be separated from the concrete. By min. 5mil polyethylene or type r roll roofing as per OBC 9.23.2.3 (1) & (2)

19. Typical wood posts

- All wood post shown to be 'P3' U.N.O.

20. Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.

21. All windows and glass doors less than 24" above finished floor are recommended to be tempered glass.

22. Typical mechanical ventilation

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23. Typical railing & guard heights

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Typical Porch Slab

1-1/4" FLAGSTONE SET INTO 1-1/2" MORTAR BED 12" DRAINAGE BOARD BELOW MORTAR BED 2-1/2" FLAUSTONE CORING CAP VENT HOLE AT DRAINAGE LAYER W/ PERIMETER METAL DRIP EDGE

11" MIN. HORIZONTAL CONTINUOUS HOUSING BAR EACH STEP

10" POURED CONCRETE

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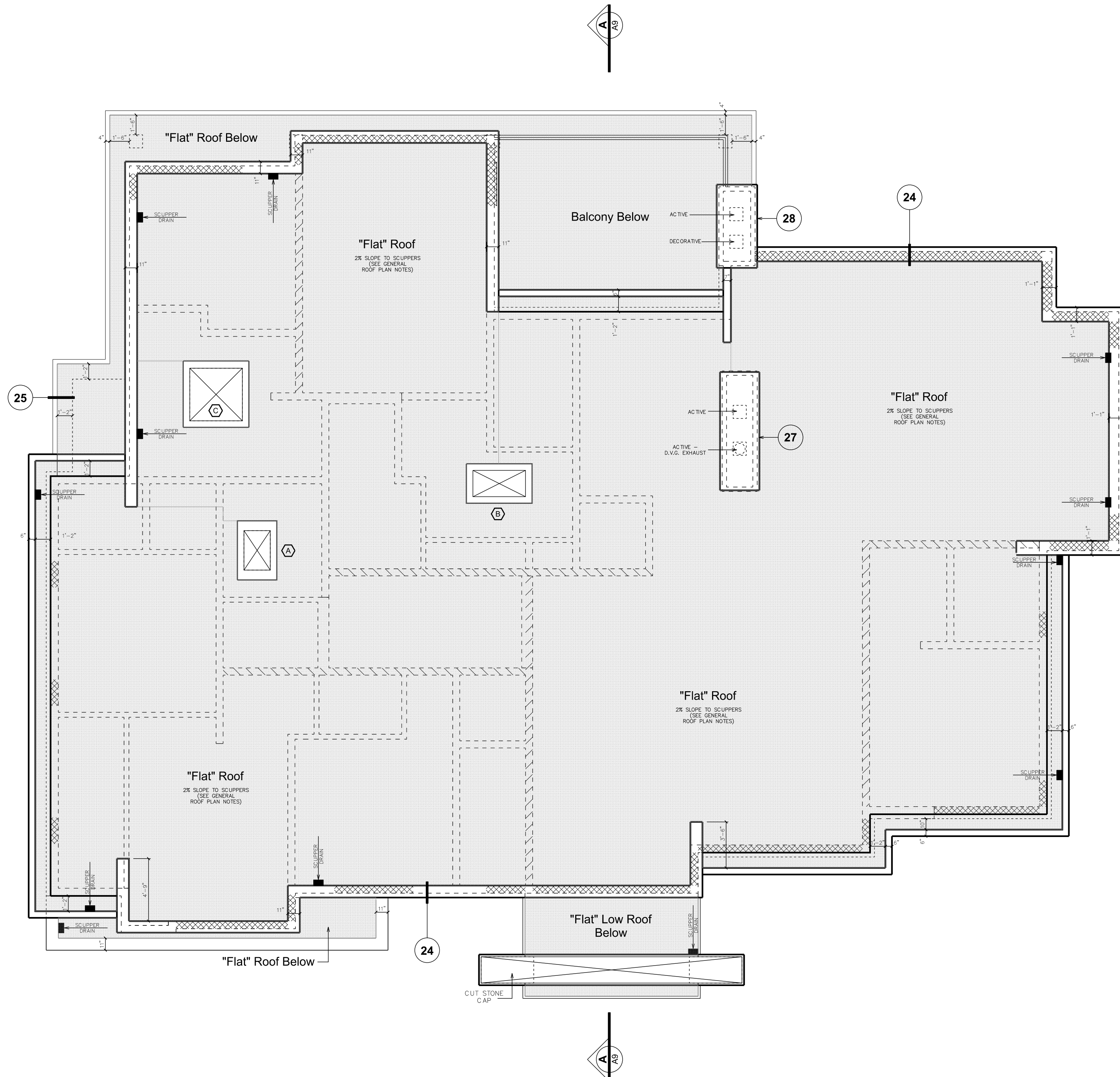
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C1 HSS 3.5"x3.5"x0.25" C2 HSS 4"x4"x0.312" C3 HSS 5"x5"x0.375" C4 HSS 5"x5"x0.375" S1 W10x45 Exposed steel post/beam S2 W12x40 Exposed steel post/beam	
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1. Do not scale drawings 2. These plans are to remain the property of the designer and must be returned upon request. These plans must not be used in any other location without the written approval of the designer. 3. All works to be in accordance with the Ontario building code and all code references refer to OBC 2012 division 'B' 4. Contractor to check all dimensions, specifications, etc. On site and shall be responsible for reporting any discrepancy to the engineer and/ or designer. 5. Structural engineer to be notified prior to pouring of concrete to inspect rubber septum during construction - engineer will not certify walls or footing/slabs unless prior inspection is conducted - it is the responsibility of the contractor to notify the project engineer and make all arrangements. 6. All wood framed window openings that exceed 48" wide are to have 2"x6" plates @ bottom of opening (typical) U.N.O. 7. Adjustments or changes made to the floor layout roof truss layout, beams, lintels & point loads or required load bearing walls must be identified prior to construction and David W. Small Designs Inc. and project engineer must be notified for further review and approval. 8. All shop drawings for pacer units to be submitted for field review by site inspector prior to manufacturing and installation 9. 'SDS' = Simpson sluttering strong-drive heavy-duty connector screws. Refer to manuf. Specs. For exact details (see S1 for screw patterns) 10. Typical wall stud construction • Typical exterior walls to be 2x6 sep #2 @ 16" o/c. (up to 13' high) • All 14' & 16' high exterior walls to be 2x6 sep #2 @ 12" o/c. • Typical interior walls to be 2x6 sep #2 @ 16" o/c. (up to 13' high) • All 14' & 16' high interior walls to be 2x6 sep #2 @ 12" o/c. • All 10' high interior basement walls to be 2x6 sep #2 @ 16" o/c. 11. Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or strapping shall be fastened to the stud at mid-height as per OBC 9.2.3.1.2.2 (2)(5) 12. 3/4" subfloor sheathing to be screwed and glued to all TJI joists on all floors 13. Typical non load bearing partition 2x4 studs @ 16" o/c c/w double top & single bottom plate provide 1/2" drywall b/s 14. Typical bathroom reinforcement Stud reinforcement required as per OBC 9.5.2.3 in all bathrooms 15. All rigid or spray foam exposed interior insulation to be covered w/ taped and 'mudded' drywall 16. Specific location of hydro meter to be established by local utility on exterior of the house 17. All electrical panels & components to comply with OBC 9.3.4. & specific requirements of the local utility supplier 18. Protection from dampness All wood framing members that are not pressure treated & which are supported on concrete, in contact with ground or fill shall be separated from the concrete. By min. 5mil polyethylene or type 'a' roll roofing as per OBC 9.2.3.2.3 (1) & (2) 19. Typical wood posts All wood post shown to be 'P3' U.N.O. 20. Floor drains to be located in every mechanical room, lower terrace, window well and laundry room. 21. All windows and glass doors less than 24" above finished floor are recommended to be tempered glass.	
General Roof Notes:	
1. Typical flat roof specifications Rubber membrane roofing to meet obc 9.26.2.1 (g) requirements c/sb 37-gp-50m roofing & waterproofing membrane, sheet applied, elastomeric 2. Provide continuous ice and water shield membrane over sheathing on all roofs less than 4/12 3. Masonry chimney to fasten to framing with 1-1/2"x1/4" strap anchors at each adjacent rafter 4. Fireplace chimney and flue as per OBC 9.22.10. And 9.22.1.4 5. For fireplace/chimney provide min. 2" clearance to all combustible material 6. Provide roof saddle and chimney flashing for contact between chimney masonry and roof shingles or wall finish as per OBC 2012	

Project Notes	
• Min. R31 rigid insu'n glued to u/s of slab • Lower terrace steps to have 8" poured conc. Foundation wall w/ 20" wide x 8" deep conc. Footing • All lintels. To extend min. 48" below slab at lower terrace • Lower terrace slab to be 3" concrete slab over 6" granular base sloped to drain and floor headers for support • Front porch slab to be 8" reinforced conc. Slab above 5mpa @ 28 days min. - 5-6% air ent. Class c1 • All exposed floors to have floor joists above full w/ 2lb. Closed cell spray foam insu'n min. R31 • Flat roofs to have 2-ply torched on rubber membrane roof 2% slope to edge on 12" plywood. Roof sltg. On roof trusses/rafters • Install wood burning fireplace as per obc 9.22.10. And 9.22.1.4. Provide exterior combustion air as per obc 9.22.8. • Direct vent gas fireplace unit to comply with CANULC-S610-M "Factory built fire places" installed with exhaust as per manufactures specifications • Interior fireplace to have reinforced concrete slab as per obc 9.22 • Flg. Below fireplace foundation to be 12" deep x 6" projected poured concrete • For all fireplaces provide min. 2" clearance to all combustible material • Rear covered Porch Outdoor Sink to have shut-off valve and draining rib inside the heated basement space for annual winter decommissioning • Provide 15m dowels @ 15" o.c. top bars along slab bearing • Provide 15m dowels @ 15" o.c. typical along slab bearing	
25 Section Through Typical Flat Roof SCALE: N.T.S.	
26 Solid Masonry Chimney SCALE: N.T.S.	
27 Chimney Cap Detail 'A' SCALE: N.T.S.	
28 Chimney Cap Detail 'B' SCALE: N.T.S.	

<div>For Structural Design Only</div> <div></div> <div>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 the design is exempt under Division C - 3.2.1.1 of the 2012 Ontario Building Code.</div> <div>Peter Giordano Name Signature 25061 BCIN</div> <div>Registration information required unless the design is exempt under Division C - 3.2.4.1 of the 2012 Ontario Building Code.</div> <div>David W. Small Designs Inc. Firm Name 29999 BCIN</div>	
Roof Notes Note: all over-hangs are 4" inset from stone facing on ground floors (typical) Note: all upper roof overhangs are to be 1'-2" U.N.O. A 2' x 3' Skylight installed w/ curb & flashing as required by manufacturer specifications B 2' x 4' Skylight installed w/ curb & flashing as required by manufacturer specifications C 4' x 4' Skylight installed w/ curb & flashing as required by manufacturer specifications = Interior Load-Bearing Walls = Flush Lintel = Flat Roof - 2% Slope to Edges (See General Roof Plan Notes) Drawing Legend Joist direction Floor drain Interconnected smoke alarm w/ visual indicator Post above 20"x28" Attic access hatch CO Alarm	



Exterior walls	- R24	Wall area=	658.35 sm
Bsmt walls	- R20+10c1	Window area=	260.1 sm
Roof w/ attic	- N/A	** Ratio =	39.50%
Roof w/o attic	- R50	Window/skylight	Eff. = 1.4
Exposed floors	- R50	SB-12 3.1.2 Performance	Climate zone 1
Exposed slab	- R10	** house must be 'modelled'	

Energy efficiency compliance standard SB-12 3.1.2. requirements T.B.D. by consultant - Target table 3.1.1.2.A (IP) pkg. 'A1'

1	July 5/19	Issued To Owner For Building Permit Applic'n
no.	date	revision / comment

Project:

The Kianian Home
36 Fairway Heights Drive

Lot 75
Registered Plan 6350
City Of Markham
Regional Municipality of York

Drawing:

Roof Plan

Scale: 3/16"=1'-0"
Date: Jul 2019
Dwn by: NM
Proj. no.: 19-1735

A4

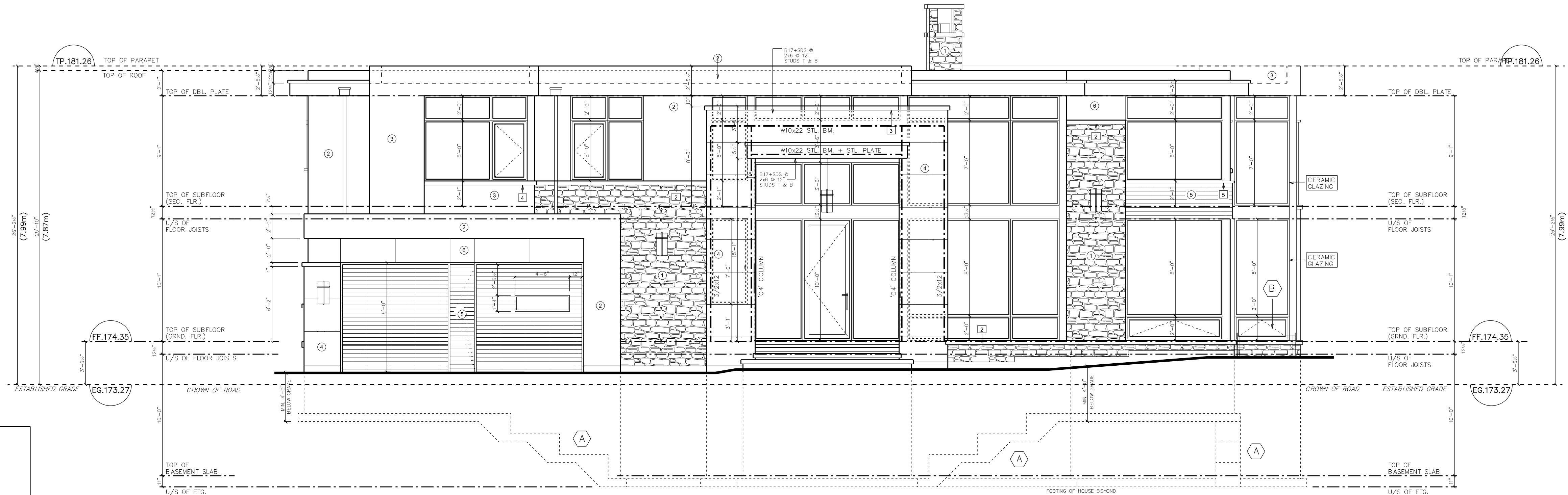
DAVID SMALL DESIGNS.COM

- Elevation Notes**
- ② Prefinished 'natural' wood siding to comply with O.N.T. Reg. 332/12 subsection 9.27.6. Lumber-siding and table 9.27.5.4.
- ③ Blocking or furring for the attachment of siding to comply with 9.27.5.2 and 9.27.5.3. and as per manufacturer's specifications
- ③ All stucco to be 'DuROCK' EIFS P.U.C.C.S. exterior insulation and finish system COMO 1206R approved -install as per OBC 9.28. and manufacturer's specifications -note use 'Vapour block' by DuROCK for air/vapour barrier below stucco in place of Tyvek or equivalent product specified for all walls not clad in stucco
- Note: All over-hangs are 4" inset from stone facing on ground floors (typical)
- Note: Refer to roof plan for all roof slopes and overhang info
- ④ Stepped footing per OBC 9.15.3.9.
- ⑤ Glazing to be tempered glass (If operable window provide opening restrictor) - Comply with OBC 9.8.8.1 (5) and (6)
- ⑥ Clay flue as per OBC 9.21.2.5
- Chimney Height as per OBC 9.21.4.4
- ⑦ 12" dia. Poured concrete Sono tubes min. 48" below finished grade or to undisturbed soil (Typ.)

General Notes:

1. Do not scale drawings
2. These plans are to remain the property of the designer and must be returned upon request. These plans must not be used in any other location without the written approval of the designer.
3. All works to be in accordance with the Ontario building code and all code references refer to OBC 2012 division 'B'
4. Contractor to check all dimensions, specifications, etc. On site and shall be responsible for reporting any discrepancy to the engineer and/ or designer.
5. Structural engineer to be notified prior to pouring of concrete to inspect rubber septum during construction - engineer will not certify walls or footing/slabs unless prior inspection is conducted - It is the responsibility of the contractor to notify the project engineer and make all arrangements.
6. All wood framed window openings that exceed 48" wide are to have 2/2"x6" plates @ bottom of opening (typical.) U.N.O.
7. Adjustments or changes made to the floor layout roof truss layout, beams, kents & point loads or required load bearing walls must be identified prior to construction and David W. Small Designs Inc. and project engineer must be notified for further review and approval.
8. All shop drawings for piers units to be submitted for field review by site inspector prior to manufacturing and installation
9. 'SDS' = Simpson slatting strong-drive heavy-duty connector screws. Refer to manual. Specs. For exact details (see S1 for screw patterns)
10. Typical wall stud construction
- Typical exterior walls to be 2x6 sep #2 @ 16" o/c. (up to 13' high)
- All 14' & 16' high exterior walls to be 2x6 sep #2 @ 12" o/c.
- Typical interior walls to be 2x6 sep #2 @ 16" o/c. (up to 13' high)
- All 14' & 16' high interior walls to be 2x6 sep #2 @ 12" o/c.
- All 10' high interior basement walls to be 2x6 sep #2 @ 16" o/c.
11. Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or strapping shall be fastened to the stud at mid-height as per OBC 9.23.10.2.2.(5)
12. 3/4" subfloor sheathing to be screwed and glued to all TJI joists on all floors
13. Typical non load bearing partition
- 2x4 studs @16" o/c c/w double top & single bottom plate provide 1/2" drywall b/s
14. Typical bathroom reinforcement
- Stud reinforcement required as per OBC 9.5.2.3 in all bathrooms
15. All rigid or spray foam exposed interior insulation to be covered w/ taped and mudded drywall
16. Specific location of hydro meter to be established by local utility on exterior of the house
17. All electrical panels & components to comply with OBC 9.34. & specific requirements of the local utility supplier
18. Protection from dampness
- All wood framing members that are not pressure treated & which are supported on concrete. In contact with ground or fill shall be separated from the concrete. By min. 5mil polyethylene or type 3 roll roofing as per OBC 9.23.5.3.(1) & (2)
19. Typical wood posts
- All wood post shown to be 'P3' U.N.O.
20. Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.
21. All windows and glass doors less than 24" above finished floor are recommended to be tempered glass.

Drawing Legend	
1.0 Materials	
①	Natural Stone
②	Pigmented Epoxy Stucco - Light
③	Pigmented Epoxy Stucco - Dark
④	Smooth Face Cut Stone
⑤	4 Inch Horizontal Wood Siding
⑥	Prefinished Aluminium Panel
2.0 Roofing	
①	2-Ply Textured On Rubber Membrane Roof Sloped To 2% To Eaves On 1/2" Plywood Roof Sheathing On Roof Trusses/Joists
3.0 Trim, Cornice, Moulding, & Gutter Notes	
②	4" Cut Stone Sill c/w 2" Projection
③	4" Cut Stone Coping c/w 2" Projection
④	4" Stucco Covered Sill c/w 2" projection
⑤	2" Prefinished Metal Sill Flashing
4.0 Railing & Post	
⑥	12"x12" Crezon Clad Post
⑦	Frameless Tempered Glass Panels Min. 42" Above Fin. Decking - Contractor To Provide Shop Drawing To Inspector Prior To Installation To Ensure They Meet All Aspect Of OBC 9.8. & SB-13 Of The Supplement
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 the design is exempt under Division C - 3.2.5.1. of the 2012 Ontario Building Code.	
Peter Giordano	25061 BCIN
Name	Signature
Registration information required unless the design is exempt under Division C - 3.2.4.1. of the 2012 Ontario Building Code.	
David W. Small Designs Inc.	29999 BCIN
Firm Name	



Exterior walls	- R24	Wall area=	658.35 sm
Bsmt walls	- R20+10ci	Window area=	260.1 sm
Roof w/ attic	- N/A	** Ratio =	39.50%
Roof w/o attic	- R50	Window/skylight	
Exposed floors	- R50	Eff. = 1.4	SB-12 3.1.2 Performance
Exposed slab	- R10	Climate zone 1	
		** house must be 'modelled'	

Energy efficiency compliance standard SB-12 3.1.2. requirements T.B.D. by consultant - Target Table 3.1.1.2.A (IP) pkg. 'A1'

3	June 10/20	HVAC Coordination - McCallum Design Inc.
2	Feb 24/20	HVAC Coordination - McCallum Design Inc.
1	July 5/19	Issued To Owner For Building Permit Applic'n
no.	date	revision / comment

Project:

The Kianian Home

36 Fairway Heights Drive

Lot 75
Registered Plan 6350
City Of Markham
Regional Municipality of York

Drawing:

Front Elevation

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

Date: Jul 2019

Dwn by: NM

Proj. no.: 19-1735

A5

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Elevation Notes

- 2

Prefinished "natural" wood siding to comply with ONT. Reg. 332/12 subsection 9.27.6. Lumber-siding and table 9.27.5.4.
- 3

Blocking or furring for the attachment of siding to comply with 9.27.5.2 and 9.27.5.3. and as per manufacturer's specifications
- 4

All stucco to be "DuROCK" EIFS P.U.C.C.S. exterior insulation and finish system (CMC 1296R approved) install as per OBC 9.26 and manufacturer's specifications - note use "Vapour block" by DuROCK for air/vapour barrier below stucco in place of Tyvek or equivalent product specified for all walls not clad in stucco
- Note: All over-hangs are 4" inset from stone facing on ground floors (typical)
- Note: Refer to roof plan for all roof slopes and overhang info
- A

Stepped footing per OBC 9.15.3.9.
- B

Glazing to be tempered glass (if operable window provide opening restriction) - Comply with OBC 9.8.8.1 (5) and (6)
- C

Clay flue as per OBC 9.21.2.5
Chimney Height as per OBC 9.21.4.4
- D

12" dia. Poured concrete Sono tubes min. 48" below finished grade or to undisturbed soil (Typ.)
- Unprotected Openings Calculations

Limiting Distance	2.78m
Wall Area	1132.1 sf (105.2 sm)
Opening Area Allowed	108.2sf (9.9 %)
Opening Area Proposed	98.7 sf (8.7 %)

Please Note The Figure For % Openings Allowed Has Been Interpolated Based On O.B.C. Table 9.10.15.4 And Glazed Areas Were Used To Calculate Proposed Openings As Allowed By 9.10.15.4.

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- All wood framed window openings that exceed 48" wide are to have 2"x6" plates @ bottom of opening (typical.) U.N.O.
- Adjustments or changes made to the floor layout roof truss layout, beams, lintels & point loads or required load bearing walls must be identified prior to construction and David W. Small Designs Inc. and project engineer must be notified for further review and approval.
- All shop drawings for pavers units to be submitted for field review by site inspector prior to manufacturing and installation
- 'SDS' = Simpson slatting strong-drive heavy-duty connector screws. Refer to manual. Specs. For exact details (see S1 for screw patterns)
- Typical wall stud construction
 - Typical exterior walls to be 2x6 sep #2 @ 16" o.c. (up to 13' high)
 - All 14' & 16' high exterior walls to be 2x6 sep #2 @ 12" o.c.
 - Typical interior walls to be 2x6 sep #2 @ 16" o.c. (up to 13' high)
 - All 14' & 16' high interior walls to be 2x6 sep #2 @ 12" o.c.
 - All 10' high interior basement walls to be 2x6 sep #2 @ 16" o.c.
- Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or strapping shall be fastened to the stud at mid-height as per OBC 9.23.10.2 (2)(5)
- 3/4" subfloor sheathing to be screwed and glued to all TJI joists on all floors
- Typical non load bearing partition
 - 2x4 studs @16" o.c c/w double top & single bottom plate provide 1/2" drywall b/s
- Typical bathroom reinforcement
 - Stud reinforcement required as per OBC 9.5.2.3 in all bathrooms
- All rigid or spray foam exposed interior insulation to be covered w/ taped and 'mudded' drywall
- Specific location of hydro meter to be established by local utility on exterior of the house
- All electrical panels & components to comply with OBC 9.34. & specific requirements of the local utility supplier
- Protection from dampness
 - All wood framing members that are not pressure treated & which are supported on concrete. In contact with ground or fill shall be separated from the concrete. By min. 5mil polyethylene or type s nail roofing as per OBC 9.23.2.3 (1) & (2)
- Typical wood posts
 - All wood post shown to be "P3" U.N.O.
- Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.
- All windows and glass doors less than 24" above finished floor are recommended to be tempered glass.

Drawing Legend

1.0 Materials

- Natural Stone
- Pigmented Epoxy Stucco - Light
- Pigmented Epoxy Stucco - Dark
- Smooth Face Cut Stone
- 4 Inch Horizontal Wood Siding
- Prefinished Aluminium Panel

2.0 Roofing

- 2-Ply Torch On Rubber Membrane Roof Sloped To 2% To Eaves On 12" Plywood Roof Sheathing On Roof Trusses/Joists

3.0 Trim, Cornice, Moulding, & Gutter Notes

- 4" Cut Stone Sill c/w 2" Projection
- 4" Cut Stone Coping c/w 2" Projection
- 4" Stucco Covered Sill c/w 2" projection
- 2" Prefinished Metal Sill Flashing

4.0 Railing & Post

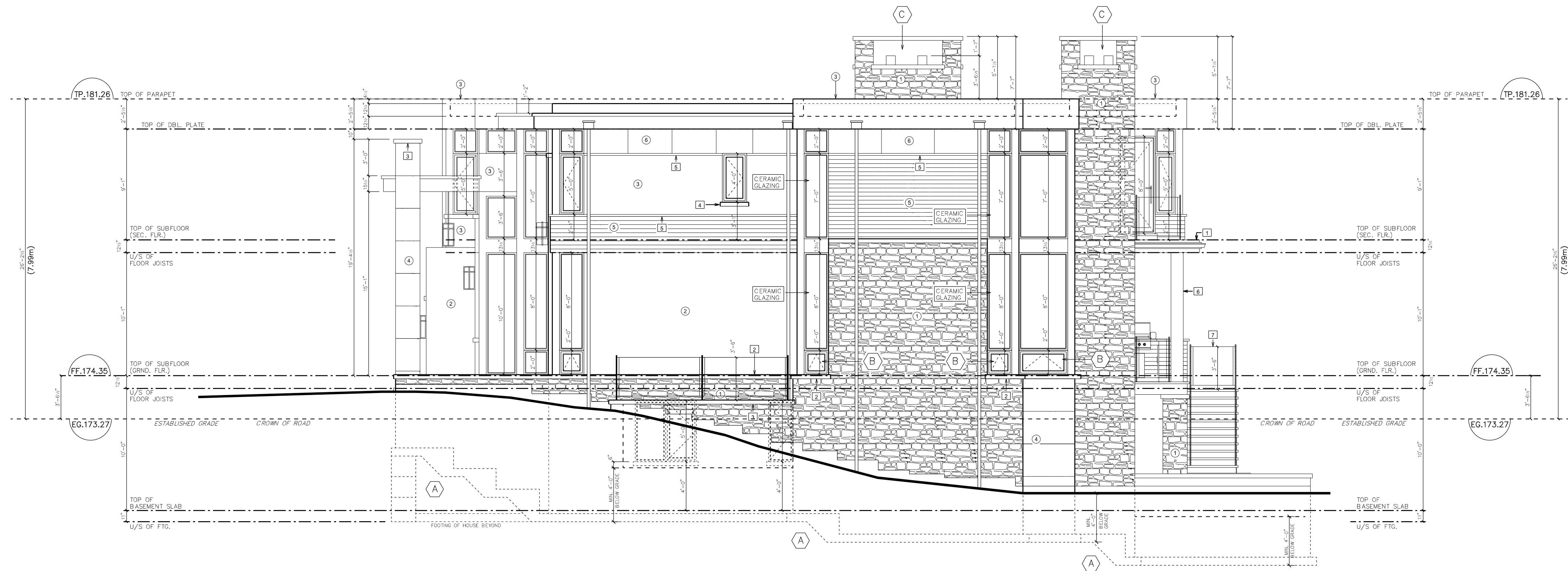
- 12"x12" Crezon Clad Post
 - Frameless Tempered Glass Panels Min. 42" Above Fin. Decking - Contractor To Provide Shop Drawing To Inspector Prior To Installation To Ensure They Meet All Aspect Of OBC 9.8. & SB-13 Of The Supplement

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 the design is exempt under Division C - 3.2.5.1. of the 2012 Ontario building code.

Peter Giordano
Name Signature 25061 BCIN

Registration information required unless the design is exempt under Division C - 3.2.4.1. of the 2012 Ontario Building Code.

David W. Small Designs Inc.
Firm Name 29999 BCIN



Exterior walls	- R24	Wall area=	658.35 sm
Bsmt walls	- R20+10ci	Window area=	260.1 sm
Roof w/ attic	- N/A	** Ratio =	39.50%
Roof w/o attic	- R50	Window/skylight	
Exposed floors	- R50	Eff. =	1.4
Exposed slab	- R10	SB-12 3.1.2 Performance	
		Climate zone	1
		** house must be 'modelled'	

Energy efficiency compliance standard SB-12 3.1.2. requirements T.B.D. by consultant - Target Table 3.1.1.2.A (IF) pkg. 'A1'

2	Feb 24/20	HVAC Coordination – McCallum Design Inc.
1	July 5/19	Issued To Owner For Building Permit Applic'n
no.	date	revision / comment

Project:

The Kianian Home
36 Fairway Heights Drive

Lot 75
Registered Plan 6350
City Of Markham
Regional Municipality of York

Drawing:

Right-Side
Elevation

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

Date: Jul 2019

Dwn by: NM

Proj. no.: 19-1735

A6

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Elevation Notes

2

Prefinished 'natural' wood siding to comply with OMT Reg. 332/12 subsection 9.27.6. Lumber-siding and table 9.27.5.4.

3

Blocking or furring for the attachment of siding to comply with 9.27.5.2 and 9.27.5.3. and as per manufacturer's specifications

3

All stucco to be 'DuROCK' EIFS P.U.C.C.S. exterior insulation and finish system CCMC 1266R approved -detail as per OBC, 9.28. and manufacturer's specifications -note use 'Vapour block' by DuROCK for air/vapour barrier below stucco in place of Tyvek or equivalent product specified for all walls not clad in stucco

Note: All over-hangs are 4" inset from stone facing on ground floors (typical)

Note: Refer to roof plan for all roof slopes and overhang info

A

Stepped footing per OBC 9.15.3.9.

B

Glazing to be tempered glass (If operable window provide opening restrictor) - Comply with OBC 9.8.6.1 (b) and (d)

C

Clay flue as per OBC 9.21.2.5
Chimney Height as per OBC 9.21.4.4

D

12" dia. Poured concrete Sono tubes min. 48" below finished grade or to undisturbed soil (Typ.)

General Notes:

1. Do not scale drawings

2. These plans are to remain the property of the designer and must be returned upon request. These plans must not be used in any other location without the written approval of the designer.

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- All 10' high interior basement walls to be 2x6 sep #2 @ 16" o/c.

11. Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or strapping shall be fastened to the stud at mid-height as per OBC, 9.23.10.2.(2)(5)

12. 3/4" subfloor sheathing to be screwed and glued to all TJI joists on all floors

13. Typical non load bearing partition
2x4 studs @16" o/c c/w double top & single bottom plate provide 1/2" drywall b/s

14. Typical bathroom reinforcement
Stud reinforcement required as per OBC, 9.5.2.3 in all bathrooms

15. All rigid or spray foam exposed interior insulation to be covered w/ taped and 'mudded' drywall

16. Specific location of hydro meter to be established by local utility on exterior of the house

17. All electrical panels & components to comply with OBC, 9.34. & specific requirements of the local utility supplier

18. Protection from dampness

All wood framing members that are not pressure treated & which are supported on concrete. In contact with ground or fill shall be separated from the concrete. By min. 5mm polyethylene or type s roll roofing as per OBC 5.23.2.3.(1) & (2)

19. Typical wood posts
All wood post shown to be 'P3' U.N.O.

20. Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.

21. All windows and glass doors less than 24" above finished floor are recommended to be tempered glass.

Drawing Legend

1.0 Materials

1

Natural Stone

2

Pigmented Epoxy Stucco - Light

3

Pigmented Epoxy Stucco - Dark

4

Smooth Face Cut Stone

5

4 inch Horizontal Wood Siding

6

Prefinished Aluminium Panel

2.0 Roofing

1

2-Ply Torch'd On Rubber Membrane Roof Sloped To 2% To Eaves On 1/2" Plywood Roof Sheathing On Roof Trusses/Joists

3.0 Trim, Cornice, Moulding, & Gutter Notes

2

4" Cut Stone Sill c/w 2" Projection

3

4" Cut Stone Coping c/w 2" Projection

4

4" Stucco Covered Sill c/w 2" projection

5

2" Prefinished Metal Sill Flashing

4.0 Railing & Post

6

12"x12" Crezon Clad Post

7

Frameless Tempered Glass Panels Min. 42" Above Fin. Decking - Contractor To Provide Shop Drawing To Inspector Prior To Installation To Ensure They Meet All Aspect Of OBC, 9.8. & SB-13 Of The Supplement

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 the design is exempt under Division C -3.2.5.1. of the 2012 ontario building code.

Peter Giordano

25061

BCIN

Registration information required unless the design is exempt under Division C -3.2.4.1. of the 2012 Ontario Building Code.

David W. Small Designs Inc.

29999

BCIN

Exterior walls	- R24	Wall area=	658.35 sm
Bsmt walls	- R20+10cl	Window area=	260.1 sm
Roof w/ attic	- N/A	** Ratio =	39.50%
Roof w/o attic	- R50	Window/skylight	
Exposed floors	- R50	Eff. = 1.4	
Exposed slab	- R10	SB-12 3.1.2 Performance	
		Climate zone 1	
		** house must be 'modelled'	

Energy efficiency compliance standard SB-12 3.1.2. requirements T.B.D. by consultant - Target Table 3.1.1.2.A (IF) pkg. "A"

2	Feb 24/20	HVAC Coordination – McCallum Design Inc.
1	July 5/19	Issued To Owner For Building Permit Applic'n
no.	date	revision / comment

Project:

The Kianian Home
36 Fairway Heights Drive
Lot 75
Registered Plan 6350
City Of Markham
Regional Municipality of York

Drawing:

Rear Elevation

Scale: 3/16"=1'-0"
Date: Jul 2019
Dwn by: NM
Proj. no.: 19-1735

A7

**DAVID
SMALL
DESIGNS**.COM

1440 Hurontario Street, Mississauga, ON L5G 3H4 PH905.271.9100 FX 905.271.9109

Elevation Notes

2

Prefinished "natural" wood siding to comply with ONT. Reg. 332/12 subsection 9.27.6. Lumber-siding and table 9.27.5.4.

3

Blocking or furring for the attachment of siding to comply with 9.27.5.2 and 9.27.5.3. and as per manufacturer's specifications

3

All stucco to be "DuROCK" EIFS P.U.C.S. exterior insulation and finish system (CMC 1250R approved) - install as per OBC 9.29. and manufacturer's specifications - note use "Vapour block" by DuROCK for air/vapour barrier below stucco in place of Tyvek or equivalent product specified for all walls not clad in stucco

Note: All over-hangs are 4" inset from stone facing on ground floors (typical)

Note: Refer to roof plan for all roof slopes and overhang info

A

Stepped footing per OBC 9.15.3.9.

B

Glazing to be tempered glass (if operable window provide opening restrictor) - Comply with OBC 9.8.8.1 (5) and (6)

C

Clay flue as per OBC 9.21.2.5
Chimney Height as per OBC 9.21.4.4

D

12" dia. Poured concrete Sono tubes min. 48" below finished grade or to undisturbed soil (Typ.)

Unprotected Openings Calculations

Limiting Distance

1.83m

Wall Area

1475.3 sf (137.1 sm)

Opening Area Allowed

110.0 sf (10.1 sm)

Opening Area Proposed

85.8 sf (7.9 sm)

Please Note The Figure For % Openings Allowed Has Been Interpolated Based On O.B.C. Table 9.10.15.4 And Glazed Areas Were Used To Calculate Proposed Openings As Allowed By 9.10.15.4.

General Notes:

1. Do not scale drawings
2. These plans are to remain the property of the designer and must be returned upon request. These plans must not be used in any other location without the written approval of the designer.
3. All works to be in accordance with the ontario building code and all code references refer to OBC 2012 division 'B'
4. Contractor to check all dimensions, specifications, etc. On site and shall be responsible for reporting any discrepancy to the engineer and/ or designer.
5. Structural engineer to be notified prior to pouring of concrete to inspect rubber septum during construction - engineer will not certify walls or footing/slabs unless prior inspection is conducted - it is the responsibility of the contractor to notify the project engineer and make all arrangements.
6. All wood framed window openings that exceed 48" wide are to have 2"x6" plates @ bottom of opening (typical.) U.N.O.
7. Adjustments or changes made to the floor layout roof truss layout, beams, lintels & point loads or required load bearing walls must be identified prior to construction and David w. Small Designs Inc. and project engineer must be notified for further review and approval.
8. All shop drawings for pavers units to be submitted for field review by site inspector prior to manufacturing and installation
9. "SDS" = Simpson slatting strong-drive heavy-duty connector screws. Refer to manual. Specs. For exact details (see S1 for screw patterns)
10. Typical wall stud construction
 - Typical exterior walls to be 2x6 sep #2 @ 16" o/c. (up to 13' high)
 - All 14' & 16' high exterior walls to be 2x6 sep #2 @ 12" o/c
 - Typical interior walls to be 2x6 sep #2 @ 16" o/c. (up to 13' high)
 - All 14' & 16' high interior walls to be 2x6 sep #2 @ 12" o/c.
 - All 10' high interior basement walls to be 2x6 sep #2 @ 16" o/c.
11. Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or strapping shall be fastened to the stud at mid-height as per OBC 9.23.10.2.(2)(b)
12. 3/4" subfloor sheathing to be screwed and glued to all TJI joists on all floors
13. Typical non load bearing partition
- 2x4 studs @16" o/c c/w double top & single bottom plate provide 1/2" drywall b/s
14. Typical bathroom reinforcement
- Stud reinforcement required as per OBC 9.5.2.3 in all bathrooms
15. All rigid or spray foam exposed interior insulation to be covered w/ taped and 'mudded' drywall
16. Specific location of hydro meter to be established by local utility on exterior of the house
17. All electrical panels & components to comply with OBC 9.34. & specific requirements of the local utility supplier
18. Protection from dampness
- All wood framing members that are not pressure treated & which are supported on concrete. In contact with ground or fill shall be separated from the concrete. By min. 5mil polyethylene or type s roll roofing as per OBC 9.23.2.3.(1) & (2)
19. Typical wood posts
- All wood post shown to be "P3" U.N.O.
20. Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.
21. All windows and glass doors less than 24" above finished floor are recommended to be tempered glass.

Drawing Legend

1.0 Materials

- 1 Natural Stone
- 2 Pigmented Epoxy Stucco - Light
- 3 Pigmented Epoxy Stucco - Dark
- 4 Smooth Face Cut Stone
- 5 4 Inch Horizontal Wood Siding
- 6 Prefinished Aluminium Panel

2.0 Roofing

- 1 2-Ply Torch On Rubber Membrane Roof
- 2 Sloped To 2% To Eaves On 1/2" Plywood Roof Sheathing On Roof Trusses/Joists

3.0 Trim, Cornice, Moulding, & Gutter Notes

- 1 4" Cut Stone Sill c/w 2" Projection
- 2 4" Cut Stone Coping c/w 2" Projection
- 3 4" Stucco Covered Sill c/w 2" projection
- 4 2" Prefinished Metal Sill Flashing

4.0 Railing & Post

- 1 12"x12" Crezon Clad Post

- 2 Frameless Tempered Glass Panels Min. 42" Above Fin. Decking - Contractor To Provide Shop Drawing To Inspector Prior To Installation To Ensure They Meet All Aspect Of OBC 9.8. & SB-13 Of The Supplement

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 the design is exempt under Division C - 3.2.5.1. of the 2012 ontario building code.

Peter Giordano

Signature

25061 BCIN

Registration information required unless the design is exempt under Division C - 3.2.4.1. of the 2012 Ontario Building Code.

David W. Small Designs Inc.

29999 BCIN

Firm Name

Exterior walls	- R24	Wall area=	658.35 sm
Bsmt walls	- R20+10ci	Window area=	260.1 sm
Roof w/ attic	- N/A	* Ratio =	39.50%
Roof w/o attic	- R50	Window/skylight	
Exposed floors	- R50	Eff. = 1.4	
Exposed slab	- R10	SB-12 3.1.2 Performance	
		Climate zone 1	
		* "house must be 'modelled'"	

Energy efficiency compliance standard SB-12 3.1.2. requirements I.B.D. by consultant - Target Table 3.1.1.2.A (If) pkg. "A1"

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Lot 75
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City Of Markham
Regional Municipality of York

Drawing:

Left-Side
Elevation

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