

Schedules

Wood Lintels / Beams				
B1 2x8	B7 2x12	B13 1-8" LVL	B10 1-14" LVL	Note: where sold (1) piece lumber shown - do not substitute
B2 3x8	B8 2x12	B14 2-8" LVL	B20 2-14" LVL	
B3 4x8 Bolted	B9 4x12 Bolted	B15 3-8" LVL	B21 3-14" LVL	
B4 2x10	B10 1-11" LVL	B16 1-11" LVL	B22 1-18" LVL	
B5 3x10	B11 2-12" LVL	B17 2-11" LVL	B23 2-18" LVL	
B6 4x10 Bolted	B12 2-12" LVL	B18 3-11" LVL	B24 3-18" LVL	multiple ply

Note:
1. Engineered wood beams to be min. 2.0x and equal and 1/32" in width. Nailing pattern see S1.
2. SCS = Simpson Strong-Tie Strong-Dry heavy-duty connector screws. Refer to manual specs. for exact details (see typ. detail screw patterns)

Columns / Posts				
P2 2x6	P4 4x6	P6 3x4	P8 5x4	P10 6x6
P3 3x6	P5 5x6	P7 4x4	P9 4x4	P11 5x6
P12 4x8				
C1 HSS 3.5x3.5x0.25" - Brg. Plate 6"x58"x10" + (2) 5/8" Dia. A.B.				
C2 HSS 3.5x3.5x0.25" - Brg. Plate 10"x34"x10" + (2) 3/4" Dia. A.B.				
C3 HSS 3.5x3.5x0.25" - Brg. Plate 17"x34"x11" + (2) 3/4" Dia. A.B.				
C4 HSS 3.5x3.5x0.25" - Brg. Plate 11"x11" + (2) 3/4" Dia. A.B.				
S1 W10x45 Exposed steel postbeam				
S2 W12x45 Exposed steel postbeam				
Typical anchor bolt				

Steel Lintels				
L1 3"x3.5"x14"	L3 5"x3.5"x616"	L5 6"x4"x38"		
L2 5"x3.5"x14"	L4 5"x3.5"x38"	L6 7"x4"x12"		

Steel Plates				
WP1 = 6"x58"x10"	(2) 5/8" Diameter Anchor Bolts			
WP2 = 6"x78"x14"	(2) 3/4" Diameter Anchor Bolts			
WP3 = 11"x11"x11"	(2) 3/4" Diameter Anchor Bolts			

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

Concrete Footings				
BEW = Bottom Bars Each Way				
F4 12" x 24" x 12" Deep	F4 12" x 42" x 10" Deep	F5 16" x 48" x 10" Deep	F6 16" x 48" x 10" Deep	F7 16" x 48" x 10" Deep
F2 30" x 30" x 12" Deep	F3 30" x 30" x 12" Deep	F7 30" x 30" x 12" Deep	F8 30" x 30" x 12" Deep	F9 30" x 30" x 12" Deep
F3 30" x 30" x 12" Deep	F4 30" x 30" x 12" Deep	F5 30" x 30" x 12" Deep	F6 30" x 30" x 12" Deep	F7 30" x 30" x 12" Deep

> 2"th footing below load bearing walls to have a min. 6" protection 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 Notes:

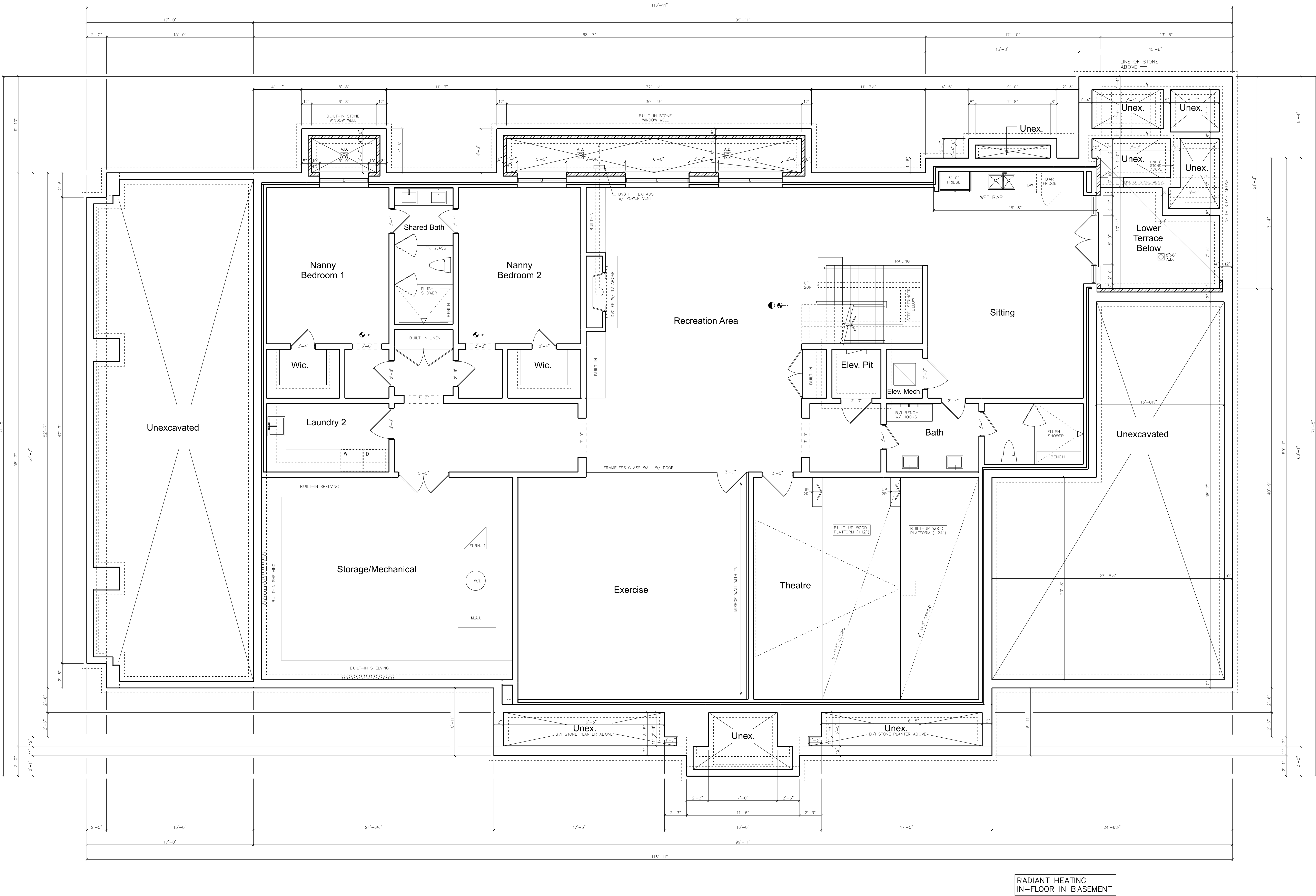
- Do not scale drawings
- These plans are to remain the property of the designer and must be returned upon request. These plans must not be used in any other location without the written approval of the designer.
- All works to be in accordance with the Ontario Building Code and all code references refer to OBC 2012 division "B"
- Contractor to check all dimensions, specifications, etc. on site and shall be responsible for reporting any discrepancy to the engineer and/or designer.
- Structural engineer to be notified prior to pouring of concrete to inspect re-bar set-up 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.
- All wood framed window openings that exceed 45" wide are to have 22"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 precast units to be submitted for field review by site inspector prior to manufacturing and installation.
- SCS = Simpson Strong-Tie Strong-Dry 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 spt #2 @ 16" o.c. (up to 13' high)
 - All 14' & 16' high exterior walls to be 2x6 spt #2 @ 12" o.c.
 - Typical interior walls to be 2x4 spt #2 @ 16" o.c. (up to 13' high)
 - All 14' & 16' high interior walls to be 2x4 spt #2 @ 12" o.c.
 - All 10' high interior basement walls to be 2x6 spt #2 @ 16" o.c.
- Where load bearing walls are not finished with drywall or a suitable interior finish, then blocking or sheathing shall be fastened to the stud at mid-height as per OBC 9.2.3.10.2 (2) (2)
- 5/8" subfloor sheathing to be screwed and glued to all T.J. plates 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 9.3.4, & 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 "n" rot roofing as per OBC 9.2.3.2.3 (1) & (2)
- Typical Wood Posts
 - All wood post shown to be 10" 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.
- All steel beams to bear on column cap plate. No side header connections allowed. Refer to detail 7/51.
- Structural steel shop drawing review to be done by builder. Builder to site confirm dimensions as per steel shop drawings prepared by steel supplier.

General Basement Notes:

- Typical Poured Concrete Basement Floor
 - 3" concrete slab c/w 6 mil poly vapor barrier on granular fill
- Typical 2nd Interior Load Bearing Wall
 - 2x6 stud wall @ 16" o.c. on 10 mil poly moisture barrier on 8" concrete curb (anchored w/ 1/2" a.b. @ 4'-0" o.c.) on 16" x 8" deep poured concrete footing + 2'-15m base bottom continuous
- Typical Basement Wall Stripping with Insulation
 - 1/2" drywall on 6 mil poly v.b. on full H. 2x4 studs @ 16" o.c. stripping c/w min. R12 batt ins'n + R100 or min. R200 (typ. for entire perimeter of new basement.)
- Provide minimum 4" bearing ledge for structural slab support
- Typical Poured Concrete Perimeter Garage Foundation Walls
 - Reinforced 10" poured concrete foundation wall on 22" wide x 8" deep concrete footing (Typ. U.N.O.)
- Typical Reinforced Poured Concrete Foundation Walls
 - Reinforced 10" poured concrete foundation wall on 22" wide x 8" deep concrete footing (Typ. U.N.O.)
- Ensure soil backfilling on unexcavated spaces is done balanced placing soil equally on both sides to avoid collapse.
- Foundation drainage layer to comply with Ont. Reg. 332/12 and subsection 9.14.2, And 9.14.4.
- Typical Cold Room Notes
 - Vent cold room per OBC 9.32.2.1 & 9.32.2.2 (0.2% floor area w/ natl proof insect screen)
 - Cold room door to be metal insulated door with weather stripping
- At least one smoke alarm shall be installed on or near the ceiling on each floor and basement levels as per OBC 9.10.13 and also in each sleeping room with a visual signaling component as per OBC 9.10.13.1 (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 fast burning appliances, or an attached garage.
- 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'-0" tall
 - If ceiling height is less than 9'-0" then interior doors to be 6'-8" tall
- 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.
- Typical Railing & Guard Heights
 - An interior handrail & guard shall be @ 36" a.f.f. per OBC 9.8.8 & ab7
 - An exterior handrail & guard shall be @ 36" if less than a max. of 6'-0" drop) per OBC 9.8.8 & ab7
 - An exterior handrail & guard shall be @ 42" (if greater than 6'-0" drop) a.f.f. per OBC 9.8.8 & ab7
 - Insulated door with weather stripping
- Window wells to be precast unit interlocking retaining wall - drain to storm (Typ.)
- Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.

Project Notes:

- Min. R31 rigid rigid insulation 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 foundations to extend min. 48" below slab at lower terrace
- Lower terrace slab to be 3" concrete slab over 5" granular base slope to drain
- Start to be built as one-piece unit as drawn and fastened to adjacent wall and floor joist for support
- Front porch slab to be 8" reinforced conc. slab above 35mpa @ 28 days min. - 5-8% air ent. class C1
- Typical Porch Slab (Slab on Grade Condition)
- 8" R.C. slab on grade c/w 1-layer 6x6x6 welded wire mesh placed 2" down from top of slab over 5" granular 10' or equal gravel or soil compacted to 98% standard proctor max. Dry directly on undisturbed soil or engineered fill- note: If space below is changed to become excavated, the slab & wall requirement will require additional reinforcing
- All exposed floors to have floor joists above full w/ 2lb. closed cell spray foam ins'n/min. R31
- Flat roofs to have 2-ply torched on rubber membrane roof w/ 2% slope to edge on 1/2" plywood roof sheathing on roof trusses/joists
- Direct vent gas fireplace unit to comply with CANULC-S610-M "Factory built fire places" installed with exhaust as per manufacturers specifications
- Provide 15M hook bars @ 15" o.c. top bars along slab bearing
- Provide 15M dowels @ 15" o.c. typical along slab bearing



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 and the 2012 Ontario Building Code. Qualification information required unless the design is exempt under Division C, 3.3.1.1, of the 2012 Ontario Building Code.

David W. Small Designs Inc. 23899 BCIN
Form Name

Opening Legend

Sliding Door
Pocket Door
Archway
Swing Door
Glass Wall & Door
Surface Sliding Door

Drawing Legend

Joist direction
Post above
Floor drain
Interconnected smoke alarm w/ visual indicator
CO Alarm

20"x28" Attic access hatch
Typical 10" post UNO

Wall area = 737.6 sm
Window area = 191.6 sm
Ratio = 25.98 %
Window/Sliding Glass Door Efficiency = 1.4**
Skylight/Glazed Roofs Efficiency = U-2.8

Ceiling w/ Attic Space - R60
Ceiling w/o Attic Space - R31
Exposed Floors - R31
Walls Above Grade - R22
Basement Walls - R20G

Energy efficiency compliance standard SB-12.3.1.1, Table 3.1.1.2.A (IP) pkg. "A1"

*Refer to EEDS form for all other efficiency values

Note: All information shown are target R-Values and are to be confirmed by HVAC consultant through the building envelope modelling process.

The Maruszki-Desai Home
17 Doncrest Drive
Part of Lot 17
Registered Plan m-899
City of Markham
Regional Municipality of York

Drawing:

Basement Floor Plan

Scale: 1/4"=1'-0"

Date: May 2021

Drawn by: MM/TK

Proj. no.: 21-1887

A1

David Small Designs

Schedules

Wood Lintels / Beams

B1 2x6	B7 2x4x12	B13 1-8" LVL	B19 1-14" LVL	Note: where sold
B2 3x6	B8 3x6x12	B14 3-8" LVL	B20 2-14" LVL	(1) glue laminar
B3 4x6 Bolted	B9 4x2x12 Bolted	B15 3-8" LVL	B21 3-14" LVL	shown - do not
B4 3x10	B10 1-10" LVL	B16 1-11" LVL	B22 1-16" LVL	substitute
B5 3x2x10	B11 2-22" LVL	B17 2-11" LVL	B23 2-16" LVL	multiple ply
B6 4x2x10 Bolted	B12 3-22" LVL	B18 3-11" LVL	B24 3-16" LVL	

Note:
1. Engineered wood beams to be min. 2x6 or equal and 1-3/4" in width. Nailing pattern see S1.
2. 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 2x6	P4 4x6	P6 3x4	P8 2x4	P10 6x6	P12 4x2x8
P3 3x6	P5 3x6	P7 4x4	P9 4x4	P11 5x6	
C1 HSS 3/8"x5"x0.23"	Brig. Plate 5/8"x10"x10"	(2) 5/8" Dia. A.B.			
C2 HSS 4"x4"x0.312"	Brig. Plate 17/8"x34"x10"	(2) 3/4" Dia. A.B.			
C3 HSS 5"x5"x0.375"	Brig. Plate 17/8"x34"x11"	(2) 3/4" Dia. A.B.			
C4 HSS 5"x5"x0.375"	Brig. Plate 17/8"x11"x11"	(2) 3/4" Dia. A.B.			
S1 W10x40 Exposed steel postbeam					Typical anchor bolt
S2 W12x40 Exposed steel postbeam					

Steel Lintels

L1 3" 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" x 5.5" x 10"	(2) 5/8" Diameter Anchor Bolts
WP2 = 6" x 7.5" x 14"	(2) 3/4" Diameter Anchor Bolts
WP3 = 11" x 11" x 11"	(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 18" Deep c/w 5-15M BEW
F1 24" x 24" x 12" Deep	F5 48" x 48" x 18" Deep c/w 5-15M BEW
F2 30" x 30" x 12" Deep	F6 54" x 54" x 18" Deep c/w 5-15M BEW
F3 36" x 36" x 12" Deep	F7 60" x 60" x 18" Deep c/w 5-15M BEW
	F8 66" x 66" x 20" Deep c/w 5-15M BEW

> Step 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 = 5.5 kPa (1200 psf) and to be verified by soils engineer prior to pouring footings.

Refer to Sheet S1 for General Structural Notes

General Notes:

- Do not scale drawings.
- 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.
- All works to be in accordance with the Ontario Building Code and all code references refer to OBC 2012 edition "I".
- Contractor to check all dimensions, specifications, etc. on site and shall be responsible for reporting any discrepancy to the engineer and/or designer.
- Structural engineer to be notified prior to pouring of concrete to inspect re-bar set-up during construction - engineer will not certify walls or footings unless prior inspection is conducted - it is the responsibility of the contractor to notify the project engineer and make all arrangements.
- All wood framed window openings that exceed 48" wide are to have 2x2x6" 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 precast units to be submitted for field review by site inspector prior to manufacturing and installation.
- SDS = Simpson Strong-Tie Strong Drive Heavy-Duty Connector Screws. Refer to manu. specs. For exact details (see S1 for screw patterns).
- Typical Wall Stud Construction
 - Typical exterior walls to be 2x6 spf #2 @ 16" o.c. (up to 12' high)
 - At 14' & 16' high exterior walls to be 2x6 spf #2 @ 12" o.c.
 - Typical interior walls to be 2x6 spf #2 @ 16" o.c. (up to 12' high)
 - At 14' & 16' high interior walls to be 2x6 spf #2 @ 12" o.c.
 - At 10' high interior basement walls to be 2x6 spf #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)
- 6/8" 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 shall be protected from the concrete, by min. 5mil polyethylene or type "n" roofing as per OBC 9.23.3.1(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.
- All steel beams to bear on column cap plate. No side header connections allowed. Refer to detail 7S1.
- Structural steel shop drawing review to be done by builder. Builder to site confirm dimensions as per steel shop drawings prepared by steel supplier.

General Ground Floor Notes:

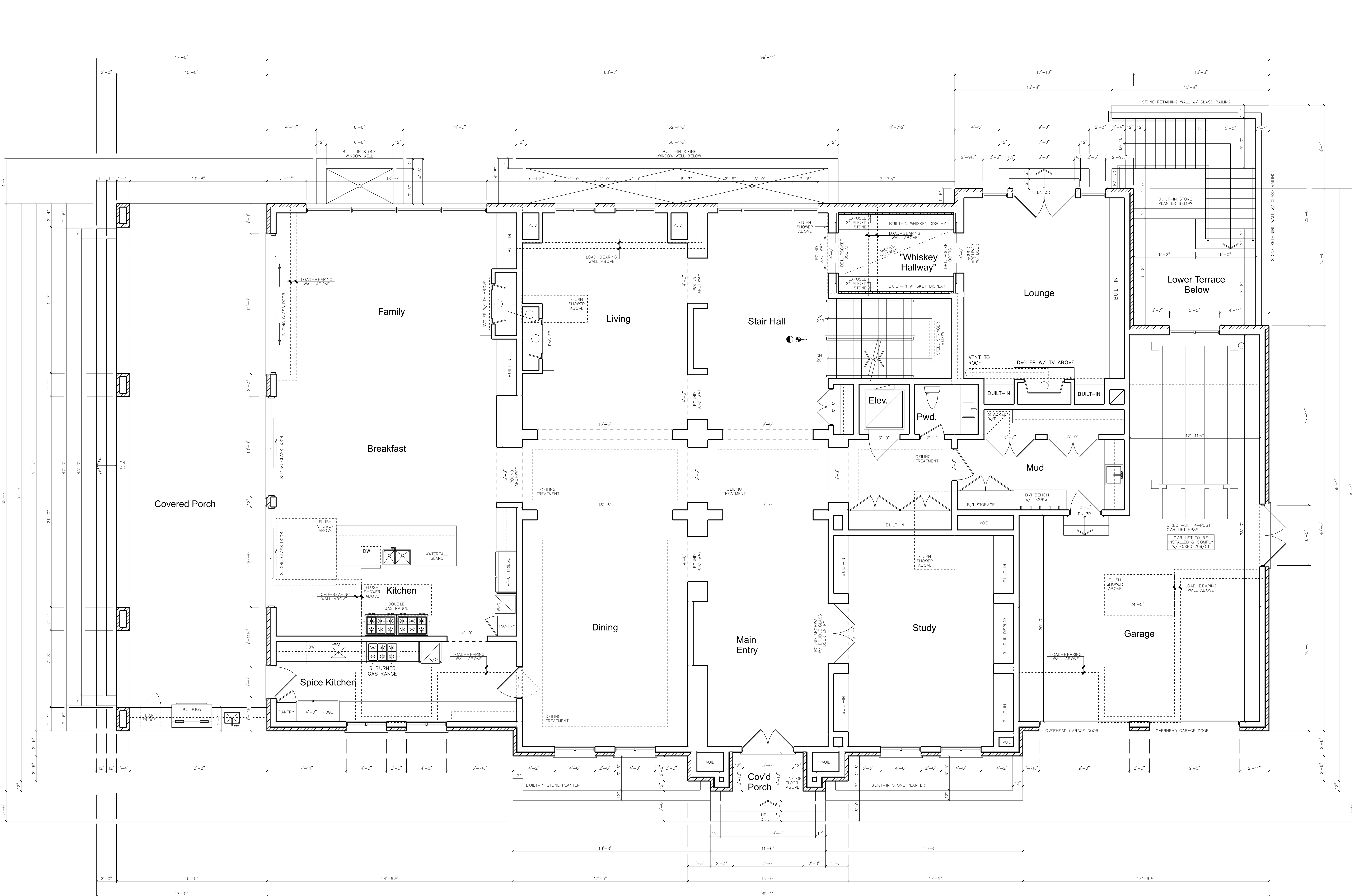
- At least one smoke alarm shall be installed on or near the ceiling on each floor and basement levels as per OBC 9.10.19 and also in each sleeping room with a visual signaling component as per OBC 9.10.19.1 (2)(3)(4). Smoke alarms and co. Alarms shall be interconnected. A carbon monoxide alarm shall be installed adjacent to every sleeping area for dwellings with fuel burning appliances, or an attached garage.
- 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'-6" tall
- 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.
- Typical Railing & Guard Heights
 - An interior handrail & guard shall be @ 36" a.f.f. per OBC 9.8 & s07
 - An exterior handrail & guard shall be @ 36" (if less than a max. Of 6'-0" drop) per OBC 9.8 & s07
 - An exterior handrail & guard shall be @ 42" (if greater than 6'-0" drop) a.f.f. per OBC 9.8 & s07
- Floor drains to be located in every mechanical room, lower terrace, window well and laundry room.

General Garage Notes:

- Garage slab to be 5" concrete slab on 6" clean granular fill 32 mpa - 5-8% air entr. c/w 6"x6"x3/4" (11" w.w.m. opt. Class C1
- Remove all top soil from top layer
- Insulate all "warm" garage walls with min. R22 batt insulation
- Interior garage wall to be 12" drywall on gasproofed 2x6 studs @ 16" c/w R22 batt insul with 6 mil poly vapor barrier covered with 1/2" drywall
- Garage ceiling to be "gasproofed" ceiling with taped drywall and min. R31 insulation in floors above or R22 in walls
- Interior garage door to be weather-stripped gasproof door w/ self-closer
- Garage slab to be sloped to exterior a minimum of 4"
- Drop foundation wall for garage door above

Project Notes:

- Min. R31 rigid insulation glued to underside of slab
- Lower terrace steps to have 8" poured conc. Foundation wall w/ 20" wide x 8" deep conc. footing
- All foundations to extend min. 48" below slab at lower terrace
- Lower terrace slab to be 3" concrete slab on 5" granular base sloped to drain
- Slab to be built as one-piece unit as drawn and fastened to adjacent wall and floor headers for support
- Front porch slab to be 5" reinforced conc. slab above 50mpa @ 28 days min. - 5-8% air ent. class C1
- Typical Porch Slab (Slab on Grade Condition)
- 6" R.C. slab on grade c/w 1-layer 6x6x6 welded wire mesh placed 2" down from top of slab over 6" granular fill or equal gravel or soil compacted to 98% standard proctor max. Dry density on undisturbed soil or engineered fill: note: if space below is changed to become excavated, the slab & wall requirement will require additional reinforcing
- All exposed floors to have floor joists above full w/ 2b. closed cell spray foam insul'n min. R31
- Flat roofs to have 2-ply torch-on rubber membrane roof w/ 2% slope to edge on 1/2" plywood roof sheathing on roof trusses/joists
- Direct vent gas fireplace unit to comply with CANULC-S810-M "Factory built fire places" installed with exhaust as per manufacturers specifications
- Provide 15M hook bars @ 15" o.c. top bars along slab bearing
- Provide 15M dowels @ 15" o.c. typical along slab bearing



SOUNDPROOF FLOORS BETWEEN
GROUND FLOOR AND BASEMENT
(1.5" RESILIENT METAL CHANNELS)

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 and the requirements set out in the Ontario Building Code and the requirements set out in the Ontario Building Code and the requirements set out in the Ontario Building Code.

Registration information required unless the design is exempt under Division C 1.2.1.1 of the 2012 Ontario Building Code.

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Elevation Notes

③ All stucco to be "DuROCK" EIFS P.U.C.C.S. exterior insulation and finish system CCMC 12969R approved initial as per OBC, 9.25, and manufacturer's specifications - note use "Tolar Bear" by DuROCK for armisture 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 18" Reinforced Poured Concrete Wall w/ 36" Wide x 12" Deep Concrete Footing c/w 2-Runs 15M Rebar

Right (East) Elevation

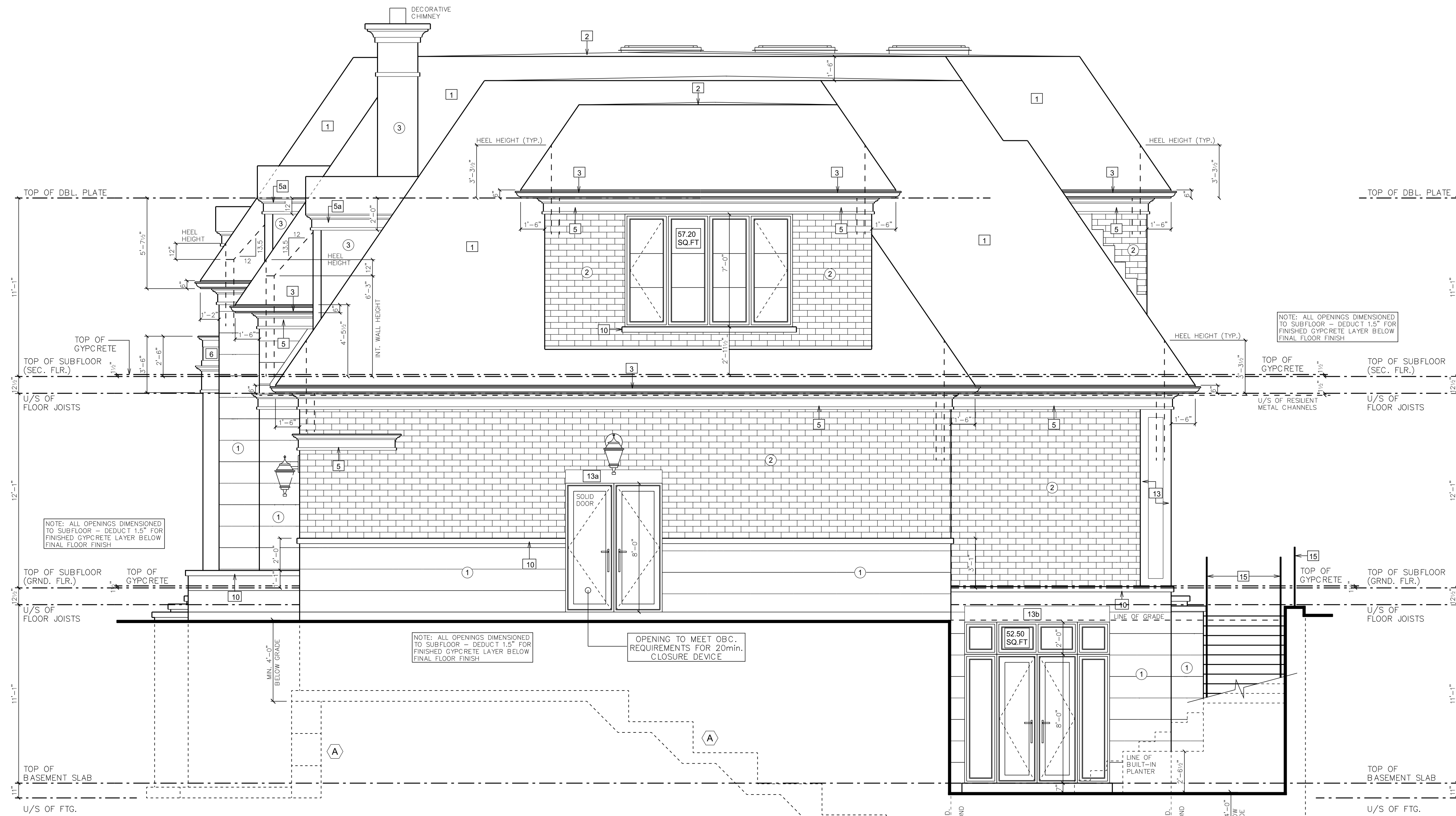
Unprotected Openings Calculations

Limiting Distance 6.96m
Wall Area 1521.2 sf (141.3 sm)
Opening Area Allowed 354.7 sf (23.3 %)
Opening Area Proposed 109.7 sf (7.2 %)

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.



Front (South) Elevation



Right (East) Elevation

Drawing Legend

1.0 Materials

- ① Smooth Face Cut Stone
- ② Brick Vener
- ③ Pigmented Epoxy Stucco
- ④ Prefinished Metal Panel - Black

2.0 Roofing

- ① 40 Year Asphalt Shingles

② 2-Ply Torch On Rubber Membrane Roof Sloped To 2% To Outside Edge On 1/2" Trussed Joists

3.0 Trim, Cornice, Moulding, & Gutter Notes

- ③ Prefinished Aluminum Gutter on 6" Prefinished Aluminum Fascia
- ④ 12" Wide Prefinished Aluminum Fascia c/w Starter Strip & Drip Edge 1"x12" Base Fascia Board 1"x6" Flat Stock 8" Square Bent Prefinished Aluminum Eaves Trough

Typical Cornice Trim

- ⑤ 4" Stone Trim w/ Crown Mould Profile on Flat w/ 2" High x 1-1/4" Deep Bottom Trim (Total 12" High)
- ⑥ Curved Stone Panel w/6" Curved Stone Trim
- ⑦ 3" Crown Mould Profile
- ⑧ Stone Trim by Others 3'-6" High
- ⑨ 4" Stone Trim w/ Crown Mould Profile
- ⑩ 10" Cut Stone Surround w/ 2" Edge Reveal
- ⑪ 4" Cut Stone Sill c/w 2" Projection
- ⑫ 4" Cut Stone Coping w/ 2" Projection
- ⑬ 6" Cut Stone Trim
- ⑭ 10" Cut Stone Lintel
- ⑮ 12" Cut Stone Lintel

4.0 Railing & Post

- ⑯ 28"x16" Cut Stone Post by others
- ⑰ 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 under Division C-12.5.1 of the 2012 Ontario building code.

Registration information required unless the design is exempt under Division C-12.5.1 of the 2012 Ontario building code.
Peter Givens, Name, BCIN, 2081
David W. Small Designs Inc., Firm Name, 2299, BCIN

4	Aug 24/21	Revised As Per Client Request
3	Jun 11/21	Revised As Per Client Request
2	May 21/21	Client Requested Revisions
1	May 18/21	Issued To Owner For Zoning Approvals
no.	date	revision / comment

Project:

The Maruszk-Desai Home
17 Doncrest Drive

Part of Lot 17
Registered Plan m-899
City of Markham,
Regional Municipality of York

Drawing:

Front & Right-Side Elevations

Scale: 1/4"=1'-0"

Date: May 2021

Dwn by: MM/TK

Proj. no.: 21-1887

A5

David
Small
Designs

Elevation Notes

- 3 All stucco to be 'DuROCK' EIFS P.U.C.C.S. exterior insulation and finish system COMC 1269R approved -install as per OBC, 9.28, and manufacturer's specifications--note use 'Tolar Bear' by DuROCK for air/moisture 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 16" Reinforced Poured Concrete Wall w/ 36" Wide x 12" Deep Concrete Footing c/w 2-Runs 15M Rebar

Rear (North) Elevation

Unprotected Openings Calculations	
Limiting Distance	9.83m
Wall Area	2562.5 sf (236.1 sm)
Opening Area Allowed	998.9 sf (93.0 %)
Opening Area Proposed	547.2 sf (21.4 %)
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.	

Left (West) Elevation

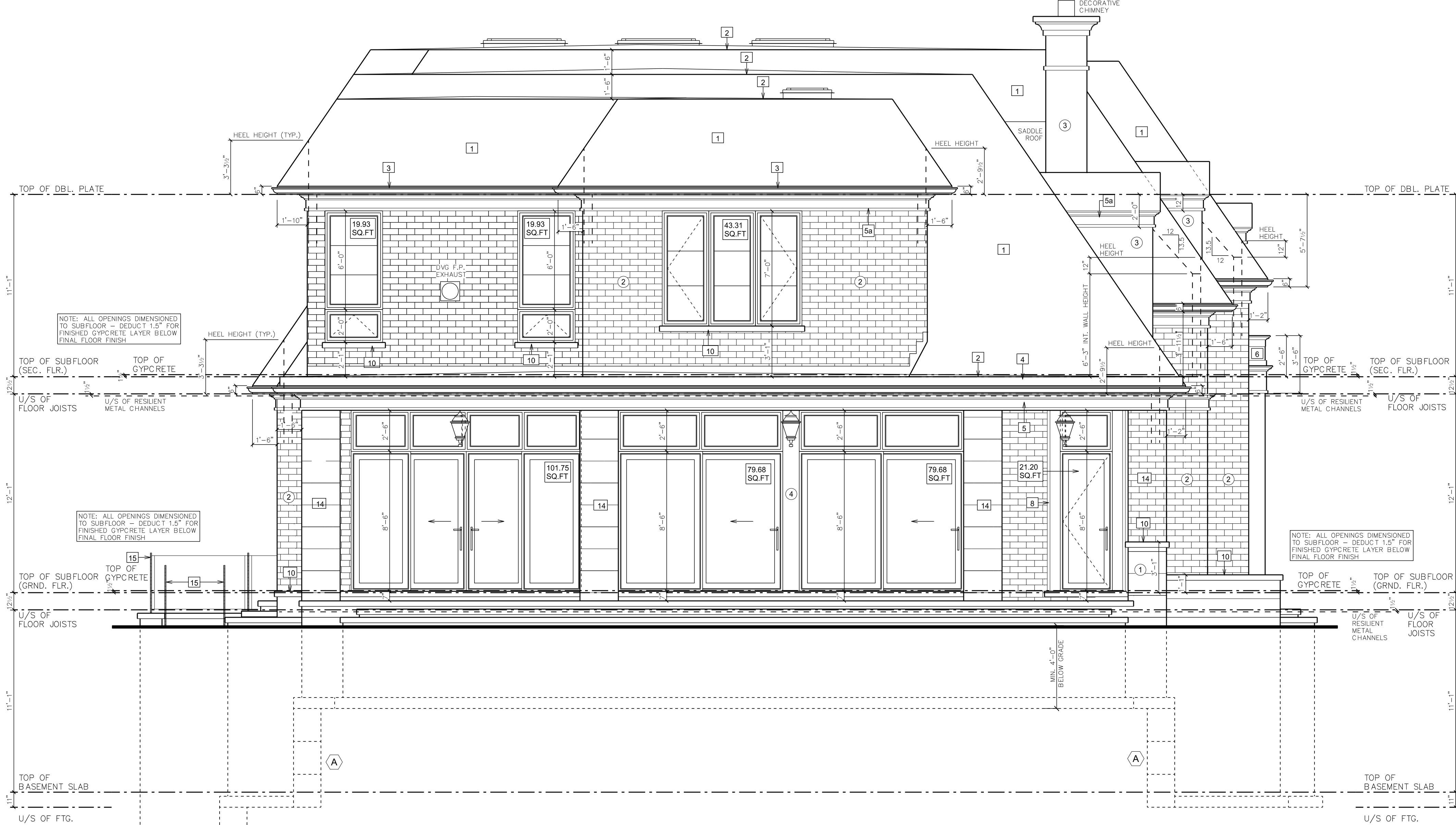
Unprotected Openings Calculations	
Limiting Distance	19.81m
Wall Area	1462.5 sf (135.9 sm)
Opening Area Allowed	1456.9 sf (99.6 %)
Opening Area Proposed	365.5 sf (25.0 %)
Please Note The Figure For % Openings Allowed Has Been Interpolated Based On O.B.C. Table 9.10.15.4 And Glazed Areas Were Used To Calculate Proposed Openings As Allowed By 9.10.15.4.	



Left Hidden Profile



Rear (North) Elevation



Left (West) Elevation

Drawing Legend

1.0 Materials

- 1 Smooth Face Cut Stone
- 2 Brick Vener
- 3 Pigmented Epoxy Stucco
- 4 Prefinished Metal Panel - Black

2.0 Roofing

- 1 40 Year Asphalt Shingles
- 2 2-Ply Torched On Rubber Membrane Roof Sloped To 2% To Outside Edge On 1/2" Trussed Joists

3.0 Trim, Cornice, Moulding, & Gutter Notes

- 1 Prefinished Aluminum Gutter on 6" Prefinished Aluminum Fascia
- 2 12" Wide Prefinished Aluminum Fascia c/w Starter Strip & Drip Edge 1"x12" Base Fascia Board 1"x6" Flat Stock 2" Square Bent Prefinished Aluminum Eaves Trough
- Typical Cornice Trim
- 3 4" Stone Trim w/ Crown Mould Profile on Flat w/ 2" High x +/- 1-1/4" Deep Bottom Trim (Total 12" High)
- 4 Curved Stone Panel w/6" Curved Stone Trim
- 5 3" Crown Mould Profile
- 6 Stone Trim by Others 3'-6" High
- 7 4" Stone Trim w/ Crown Mould Profile
- 8 10" Cut Stone Surround w/ 2" Edge Reveal
- 9
- 10 4" Cut Stone Sill c/w 2" Projection
- 11 4" Cut Stone Coping w/ 2" Projection
- 12 6" Stucco Covered Trim
- 13 6" Cut Stone Trim
- 13a 10" Cut Stone Lintel
- 13b 12" Cut Stone Lintel

4.0 Railing & Post

- 12 28"x16" Cut Stone Post by others
- 13 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 relevant building code to be a designer. Qualification information required unless the design is exempt under Division C-13.1.1 of the 2012 Ontario Building Code.

Project: 20861 BCN

Registration information required unless the design is exempt under Division C-13.1.1 of the 2012 Ontario Building Code.

David W. Small Designs Inc. 2999 BCN

no.	date	revision	comment
4	Aug 24/21	Revised As Per Client Request	
3	Jun 11/21	Revised As Per Client Request	
2	May 21/21	Client Requested Revisions	
1	May 18/21	Issued To Owner For Zoning Approvals	

Project:

The Maruszki-Desai Home
17 Doncrest Drive
Part of Lot 17
Registered Plan m-899
City of Markham,
Regional Municipality of York

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Rear & Left-Side Elevations

Scale: 1/4"=1'-0"

Date: May 2021

Dwn by: MM/TK

Proj. no.: 21-1887

A6

David Small Designs