#### **BUILDING PERMIT COVER PAGE**

**MHP 23037** TRUE COPY Shawa® PERMIT PLANS Nov 11 2023

### **Development Services Department Building Permit and Inspection Services**

#### **SOIL CONDITIONS**

SOIL CONDITIONS SHALL BE VERIFIED BY A PROFESSIONAL ENGINEER COMPETENT IN THE FIELD OF SOIL ENGINEERING, PRIOR TO PLACING ANY FOUNDATION.

THE PERMIT PLANS HAVE BEEN **ANY FUTURE CHANGES WILL REQUIRE A SEPARATE BUILDING PERMIT** 

RAIN WATER DOWNSPOUTS ARE TO BE

#### BUILDING ACCEPTED AS NOTED PERMIT PLANS **REVIEWED BY** REVIEW DATE **ZONING** PLANNING **ARCHITECTURA** CMNOV 11, 2023 STRUCTURAL FIRE CARD PLUMBING MECHANICAL PLANS REVIEW CMNOV 11, 2023 COMPLETED

#### **PLUMBING INSTALLATIONS**

ALL PLUMBING INSTALLATIONS ARE TO BE DONE BY A PLUMBING CONTRACTOR POSSESSING AN ONTARIO COLLEGE OF TRADES MEMBERSHIP, NO PLUMBING IS TO BE COVERED UNTIL INSPECTED AND APPROVED BY A PLUMBING INSPECTOR. TELEPHONE 905-436-5658 WHEN READY FOR AN INSPECTION AND TESTING.

ALL STANDARDS REFERRED TO IN THESE BUILDING PERMIT DOCUMENTS SHALL BE THE **EDITION** DESIGNATED IN OBC 2012 AS AMENDED.

#### DISCHARGED AT GRADE AND NOT CONNECTED TO WEEPING TILES

#### **FUTURE ALTERATIONS**

A SEPARATE BUILDING PERMIT IS REQUIRED FOR ANY PROPOSED INTERIOR PARTITIONS AND/OR ALTERATIONS.

COPY OF THE STAMPED/REVIEWED DRAWINGS MUST REMAIN ON SITE DURING CONSTRUCTION.

IT IS RECOMMENDED THAT CRUSHED CONCRETE OR SLAG AGGREGATE **NOT** TO BE USED FOR BACKFILL UNDER CONCRETE SLABS, AROUND SEWER LATERALS OR WEEPERS.

#### **MHP CERTIFICATION**

NOTE:

ALL MARKUPS AND STAMPS APPLIED TO BASE MODEL AND BASE ELEVATION SHALL APPLY AS APPLICABLE TO THE ENTIRE MODEL HOUSE

#### **AS BUILT SURVEY**

UPON COMPLETION OF THE FOUNDATION, A SURVEY PREPARED BY AN ONTARIO LAND SURVEYOR INDICATING THE LOCATION OF THE **BUILDING TO ALL PROPERTY LINES IS** REQUIRED TO BE SUBMITTED TO THE BUILDING **DEPARTMENT** 

#### **IMPORTANT NOTE**

NEITHER THE ISSUANCE OF A PERMIT NOR THE CARRYING OUT OF INSPECTIONS BY THE CITY RELIEVE THE APPLICANT FROM FULL RESPONSIBILITY FOR COMPLIANCE WITH THE PROVISIONS OF THE BUILDING CODE ACT AND THE ONTARIO BUILDING CODE, BOTH AS AMENDED, AS WELL AS OTHER APPLICABLE STATUES AND REGULATIONS OF THE PROVINCE OF ONTARIO AND ALL RELEVANT BY-LAWS OF THE CITY OF OSHAWA AND THE REGIONAL MUNICIPALITY OF DURHAM.

ALL ELECTRICAL WIRING MUST BE INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY. SEPARATE INSPECTION APPLICATIONS (PERMITS) MUST BE FILED. WE RECOMMEND YOU USE A QUALIFIED ELECTRICAL CONTRACTOR. FOR MORE **INFORMATION PLEASE CALL:** 



1-877-ESA-SAFE OR VISIT WWW.ESASAFE.COM

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#### **OBC 9.10.14.5 - CLADDING**

CLADDING ON THE EXPOSING BUILDING FACE IS PERMITTED TO BE VINYL WHEN WITHIN 600mm OF PROPERTY LINE, PROVIDED THAT THE VINYL CONFORMS TO OBC DIV. B. 9.27.13, IS INSTALLED OVER SHEATHING PAPER AND12.7mm DRYWALL, HAS A FLAME SPREAD RATING NOT GREATER THAN 25, AND IS NOT MORE THAN 2mm THICK AND THE ENTIRE EXTERIOR WALL HAS A MINIMUM FIRE RESISTANCE RATING OF 3/2 HOURS

RETURN AIR INLET FROM ANYROOM
PROVISIONS SHALL BE MADE FOR THE RETURN OF AIR FROM ANY ROOM OR
SPACE WITHOUT A RETURN AIR INLET, BY LEAVING GAPS BENEATH DOORS,
USING LOUVERED DOORS, OR INSTALLING RETURN AIR DUCT INLETS.

#### **BEDROOM WINDOWS**

(1) EVERY FLOOR LEVEL CONTAINING BEDROOMS IN A SUITE SHALL BE PROVIDED WITH AT LEAST 1 OUTSIDE WINDOW THAT CAN BE OPENED FROM THE INSIDE WITHOUT THE USE OF TOOLS, AND EACH SUCH WINDOW SHALL PROVIDE AN INDIVIDUAL, UNOBSTRUCTED OPEN PORTION HAVING A MINIMUM AREA OF 0.35M2 (3.8 SQ.FT.) WITH NO DIMENSION LESS THAN 380 MM (15 IN).

(2) EXCEPT FOR BASEMENT AREAS. THE WINDOW DESCRIBED IN SENTENCE (1) SHALL HAVE A MAXIMUM SILL HEIGHT OF 1M (3 FT 3 IN) ABOVE THE FLOOR. (3) WHEN SLIDING WINDOWS ARE USED, THE MINIMUM DIMENSION DESCRIBED IN SENTENCE (1) SHALL APPLY TO THE OPENABLE PORTION OF THE WINDOW.

#### PREFABRICATED WOOD TRUSSES

FABRICATION AND ERECTION DRAWINGS WITH DESIGN DATA, PREPARED AND SEALED BY A PROFESSIONAL ENGINEER, MUST BE AVAILABLE ON SITE FOR REVIEW BY THE BUILDING INSPECTOR

#### **ROOF CEILING INSULATION**

ROOF FRAMING OR TRUSS HEEL JOINT MUST PERMIT SUFFICIENT SPACE FOR THE EXTENSION OF THE ROOF-CELLING INSULATION OVER EXTERIOR WALLS MINIMIZE THERMAL BRIDGES. AN UNOBSTRUCTED VENTILATION SPACE MUST BE PROVIDED OVER EXTERIOR WALLS TO ALLOW UNIMPEDED AIR FLOW FORM SOFFIT

UNPROTECTED OPENINGS IN THE EXPOSING BUILDING FACE SHALL NOT BE PERMITTED IF THE LIMITING DISTANCE IS LESS THAN 1.2m (3'11") AND SHALL BE LIMITED IN CONFORMANCE WITH THE REQUIREMENTS FOR UNPROTECTED OPENINGS IN DIV. B ARTICLE 9.10.15.1. WHERE THE LIMITING DISTANCE IS 1.2m (3'11") OR GREATER.

**DIV.B. 9.10.14.1 EXPOSING BUILDING FACE OF HOUSES** 

THE EXPOSING BUILDING FACE SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MINUTES WHERE THE LIMITING DISTANCE IS LESS THAN

ATTIC HATCHES SHALL NOT BE LESS THAN 550mm (21 5") BY 900mm (35")

#### OBC 9.26.4.1.

FLASHING REQUIRED AT ALL **ROOF-WALL JUNCTIONS** 

#### **INTERIOR FINISH OF EXITS**

THE FLAME SPREAD RATING OF WALL OR CEILING FINISH IN AN **EXIT MUST NOT EXCEED 25.** 

#### **INTERIOR FINISH (EXCEPT EXITS)**

FLAME SPREAD RATING OF INTERIOR FINISH MATERIALS SHALL NOT EXCEED  $\underline{150}$  ON WALLS AND  $\underline{150}$  ON CEILINGS. COMBUSTIBLE WALL AND CEILING FINISHES SUCH AS WOOD, PLYWOOD, PLASTIC, FABRIC, CARPET, ETC. MUST BE APPROVED BY THE INSPECTOR PRIOR TO THE INSTALLATION.

## ATTACHED OR BUILT-IN GARAGE

THE SEPARATION BETWEEN THE GARAGE AND DWELLING UNIT SHALL BE CONSTRUCTED AS AN EFFECTIVE BARRIER TO GAS AND EXHAUST FUMES. THE DOOR BETWEEN THE GARAGE AND DWELLING UNIT SHALL BE EXTERIOR TYPE, TIGHT FITTING AND WEATHER-STRIPPED TO PROVIDE AN EFFECTIVE BARRIER AGAINST THE PASSAGE OF GAS AND EXHAUST FUMES AND SHALL BE FITTED WITH AN APPROVED SELF CLOSING DEVICE

#### 2012 OBC DIV. B, 9.8.2.1. to 9.8.4.7. STAIR DIME IAX. RISE, MIN. RISE, MIN. RUN, mm RECTANGULAR STAIR TYPE mm, ALL STEPS ALL STEPS PRIVATE STAIRS

NOTE	THE CURVED I		ADS SHALL NOT RE			EPTH
WITHIN LIVE/WORK UNITS					9.8.2.1.(3)	
MEZZANINES NOT EXCEEDING 20 m2					PER DIV B	
STAIRS THAT SERVE	NO LIMIT	125	355		WIDTH AS	2050
STAIRS TO CRAWL SPACE	NO LIMIT	125	355	NO LIMIT	860	1950
STAIR TO UNOCCUPIED ATTIC SPACE	NO LIMIT	125	355	NO LIMIT	860	1950
SERVICE STAIRS	NO LIMIT	125	355	NO LIMIT	900	2050

#### STRUCTURAL ALTERATIONS

ALL STRUCTURAL ALTERATIONS MUST BE FIELD REVIEWED BY A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING INSPECTOR

#### FINISHED SITE GRADING

THE BUILDING SHALL BE LOCATED AND THE BUILDING SITE GRADED SO THAT WATER WILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY AFFECT ANY ADJACENT PROPERTIES.

> **A CURSORY REVIEW OF THE** STRUCTURAL ELEMENTS HAS **BEEN COMPLETED AND IS RELIANT ON ENGINEER'S CERTIFICATION OF**

RESISTANCE TO FORCED ENTRY 2012 O.B.C. DIV B. 9.7.5.2. & 9.7.5.3. A return air inlet shall be located in any room where at least 1/2 of the floor area is located over an unconditioned space (e.g. room over a garage)

- 1. SWINGING DOORS PROVIDING ACCESS TO DWELLING UNITS SHALL SATISFY THE REQUIREMENTS FOR RESISTANCE TO FORCED ENTRY AS DESCRIBED IN SUBSECTION 9.7.5.2.
- 2. WINDOWS IN DWELLING UNITS THAT ARE LOCATED WITHIN 2M OF ADJACENT GROUND LEVEL SHALL CONFORM TO THE REQUIREMENTS FOR RESISTANCE TO FORCED ENTRY AS DESCRIBED IN CLAUSE 5.3.5.OF AAMA/WDMA/CSA 101/I.S.2/A440.

2012 Code

9.8.8.1.(8)(a)(b) Windows over Stairs, Ramps and Landings

(2) In dwelling units, glazing installed over stairs, ramps and landings that extend to less than 900 mm (2 ft 11 in) above the surface to the treads, ramp or landing shall be,

- (a) protected by guards, in accordance with this Subsection, or
- (b) non-openable and designed to withstand the specified lateral loads for guards as provided in Article 4.1.5.14.

#### 9.5.2.3. STUD WALL REINFORCEMENT

- (1) IF WOOD WALL STUDS OR SHEET STEEL WALL STUDS ENCLOSE THE MAIN BATHROOM IN A DWELLING UNIT, REINFORCEMENT SHALL BE INSTALLED TO PERMIT THE FUTURE INSTALLATION OF A GRAB BAR ON A WALL ADJACENT TO,
  - (a) A WATER CLOSET IN THE LOCATION REQUIRED BY CLAUSE 3.8.3.8.(1)(d), AND
  - (b) A SHOWER OR BATHTUB IN THE LOCATION BY CLAUSE 3.8.3.13.(1)(f).

(SEE APPENDIX A.)

The Corporation of the City of Oshawa, 50 Centre Street South, Oshawa, Ontario L1H 3Z7 Phone 905.436.5658 1.800.667.4292 Fax 905.436.5623

#### Strip Footings

## For Singles and Semi-Detae

For 8" or 10" foundation walls with 2x8 / 2x10 1606 Gibbs 20" wide x 6" thick concrete st<mark>i</mark>p foot**ing PbPdWToDhelots**on w

24" wide x 8" thick concrete st Foundation walls with engineered joi

24" wide x 8" thick concrete

#### Footings on engineered fill

24" wide x 8" thick concrete strip footings with reinforcing below exterior walls. 30" wide x 8" thick concrete strip footings with reinforcing below party walls. refer to the footings details on engineered fill)

#### Assume the larger footing size when two conditions apply.

Assumed 120 kPa (18 psi) soil bearing capacity or 90 kPa engineered soil fill. Bearing capacity to be verified on site.

p footin**ks/pelpt/ p2012/3**walls.

#### Concrete Pad Footing Sizes

120 kPa Native Soil	90 kPa Engineered
<b>F1</b> = 42" x 42" x 18"	<b>F1</b> = 48" x 48" x 20"
<b>F2</b> = 36" x 36" x 16"	<b>F2</b> = 40" x 40" x 16"
<b>F3</b> = 30" x 30" x 12"	<b>F3</b> = 34" x 34" x 14"
<b>F4</b> = 24" x 24" x 12"	<b>F4</b> = 28" x 28" x 12"
<b>F5</b> = 16" x 16" x 8"	<b>F5</b> = 18" x 18" x 8"

Refer to the floor plans for non-standard footing sizes

#### Brick Veneer Cuts

When the brick veneer cut is greater than 26" a 10" thick poured concrete foundation wall is required.

#### Exterior Concrete Slabs

All garage slabs, porch slabs, poured concrete stairs and exposed concrete flat work to be 32 MPa with 5-8% air entrainment.

#### Ceramic Tile over Joists

Space conventional floor ioists @ 12" o/c below all ceramic tile areas. Provide 1 row of bridging for spans of 5'-7" and 2 rows for spans greater than 7'-0".

#### Engineered Roof Trusses

fer to the roof truss shop drawings for all roof framing information.

#### **Engineered Floor Joists**

lefer to the floor framing shop drawings for engineered framing layouts, hardware

#### Steel Column Notes

C1 = 4" x 4" x  $\frac{1}{4}$ " HSS w/ 10" x 8" x  $\frac{1}{2}$ " base plate and 2 -  $\frac{3}{4}$ " dia. anchor bolts.

**C2** =  $5" \times 5" \times \frac{1}{4}"$  HSS w/ 12" x 12" x  $\frac{1}{2}"$  base plate and  $4 - \frac{3}{4}"$  dia. anchor bolts.

Use 4 bolts for moment connection

"M" = Moment connection at beam and column = 35 kN-m

#### Grading

Plans and elevations are not drawn to accurate grade elevations. Refer to final grading plan.

#### **Door Schedule**

ı –					
No.	Widtl	1	•	g Heights	Type
			8' to 9'	10' or more	
1	2'-10'	' (34'')	6'-8''	8'-0''	Insulated entrance door
1A	2'-8"	(32")	6'-8"	8'-0''	Insulated entrance door
2	2'-8"	(32")	6'-8"	8'-0''	Wood and glass door
3	2'-8"	(32")	6'-8"	8'-0''	Exterior slab door
4	2'-8"	(32")	6'-8"	8'-0''	Interior slab door
5	2'-6"	(30")	6'-8"	8'-0''	Interior slab door
6	2'-2"	(26")	6'-8"	8'-0''	Interior slab door
7	1'-6"	(18")	6'-8"	8'-0"	Interior slab door

#### Garage Wall - 2x4 Stud Design

Studs	Spacing	Maxim	num Height
2x4	16" o/c	8'-0	(2.44m)
2x4	12" o/c	8'-10"	(2.69m)
2-2x4	16" o/c	10'-1"	(3.07m)
2-2x4	12" o/c	10'-9"	(3.28m)
3-2x4	16" o/c	11'-2"	(3.40m)
3-2x4	12" o/c	12'-4"	(3.76m)
ı			

Revisions

Description

Issued for client review

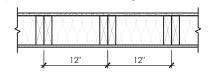
Issued for permit

Issued for p. eng. review

- For roof design snow loads of 2.6kPa Supported roof truss length of 6.0m
- Supported floor joist length of 2.5m
- Studs exceeding 3.0m in height shall be installed per OBC 9.23.10.1.(2)

## The proof of the state of the s

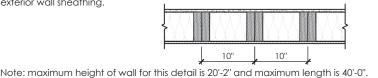
blocking @ 48" o/c vertical and  $\frac{7}{16}$ " OSB exterior wall sheathing.



e: maximum height of wall for this detail is 18'-0" and maximum length is 40'-0"

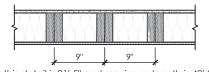
#### Two Storey Height Wall Detail - max. 20'-2" tall

2 - 1 ½" x 5 ½" Laminated strand lumber (LSL) 1.5E stud wall alued and nailed togethe and spaced at 10" o/c full height c/w solid blocking @ 8'-0" o/c vertical and  $\frac{7}{6}$ " OSB exterior wall sheathing.



#### Two Storey Height Wall Detail - max. 21'-5" tall

2 - 1 ½" x 5 ½" Laminated strand lumber (LSL) 1.5E stud wall glued and nailed togethe and spaced at 9" o/c full height c/w solid blocking @ 8'-0" o/c vertical and  $\%_6$ " OSB



ote: maximum height of wall for this detail is 21'-5" and maximum length is 40'-0".

### Steel Angles and Wood Beam Schedules

#### Brick Veneer Steel Lintels + Wood Lintels and Beams

Label	Steel Angle Size $(\lor x h x t)$		Wood Size (members + w + h)
WL1 =	$3\frac{1}{2}$ " x $3\frac{1}{2}$ " x $\frac{1}{4}$ " (89 x 89 x 6.4) [2]	+	2 - 2 x 8 (2 - 38 x 184) S.P.F. No. 2
<b>WL2</b> =	4" x 3 ½" x 5/6" (102 x 89 x 7.9) [?]	+	2 - 2 x 8 (2 - 38 x 184) S.P.F. No. 2
<b>WL3</b> =	5" x 3½" x 5/ <sub>6</sub> " (127 x 89 x 7.9) [4]	+	2 - 2 x 10 (2 - 38 x 235) S.P.F. No. 2
<b>WL4</b> =	6" x 3 ½" x ¾" (152 x 89 x 9.5) [?]	+	2 - 2 x 12 (2 - 38 x 286) S.P.F. No. 2
WL5 =	6" x 4" x 3/8" (152 x 102 x 9.5) [?]	+	2 - 2 x 12 (2 - 38 x 286) S.P.F. No. 2
WL6 =	5" x 3 ½" x 5/6" (127 x 89 x 7.9) [4]	+	2 - 2 x 12 (2 - 38 x 286) S.P.F. No. 2
<b>WL7</b> =	5" x 3½" x 5/ <sub>6</sub> " (127 x 89 x 7.9) [4]	+	3 - 2 x 10 (3 - 38 x 235) S.P.F. No. 2
<b>WL8</b> =	5" x 3½" x 5/ <sub>6</sub> " (127 x 89 x 7.9) [4]	+	3 - 2 x 12 (3 - 38 x 286) S.P.F. No. 2
WL9 =	6" x 4" x 3/8" (152 x 102 x 9.5) [?]	+	3 - 2 x 12 (3 - 38 x 286) S.P.F. No. 2

#### **Wood Lintels and Beams**

Label		Beam Size	(members +	w + h
WB1	=	2 - 2 x 8	(2 - 38 x 184)	S.P.F. No. 2
WB2	=	3 - 2 x 8	(3 - 38 x 184)	S.P.F. No. 2
WB3	=	2 - 2 x 10	(2 - 38 x 235)	S.P.F. No. 2
WB4	=	3 - 2 x 10	(3 - 38 x 235)	S.P.F. No. 2
WB5	=	2 - 2 x 12	(2 - 38 x 286)	S.P.F. No. 2
WB6	=	3 - 2 x 12	(3 - 38 x 286)	S.P.F. No. 2
WB7	=	5 - 2 x 12	(5 - 38 x 286)	S.P.F. No. 2
WB11	=	4 - 2 x 10	(4 - 38 x 235)	S.P.F. No. 2
WB12	=	4 - 2 x 12	(4 - 38 x 286)	S.P.F. No. 2

#### Laminated Veneer Lumber (LVL) Beams

Laiiii	Hull	ed velleel L	TILIDEL (FAI
Label		Beam Size (mer	mbers + w + h
L <b>VL1A</b>	=	1 - 1 ¾" x 7 ½"	(1 - 45 x 184)
L <b>VL1</b>	=	2 - 1 ¾" x 7 ½"	(2 - 45 x 184)
LVL2	=	3 - 1 ¾" x 7 ½"	(3 - 45 x 184)
LVL3	=	4 - 1 3/4" x 7 1/2"	(4 - 45 x 184)
LVL4A	=	1 - 1 ¾" x 9 ½"	(1 - 45 x 240)
LVL4	=	2 - 1 ¾" x 9 ½"	(2 - 45 x 240)
LVL5	=	3 - 1 ¾" x 9 ½"	(3 - 45 x 240)
LVL5A	=	4 - 1 ¾" x 9 ½"	(4 - 45 x 240)
LVL6A	=	1 - 1 ¾" x 11 ½"	(1 - 45 x 300)
LVL6	=	2 - 1 3/4" x 11 7/8"	(2 - 45 x 300)
LVL7	=	3 - 1 3/4" x 11 7/8"	(3 - 45 x 300)
LVL7A	=	4 - 1 3/4" x 11 7/8"	(4 - 45 x 300)
LVL8	=	2 - 1 ¾" x 14"	(2 - 45 x 356)
LVL9	=	3 - 1 ¾" x 14"	(3 - 45 x 356)
LVL9A	=	2 - 1 ¾" x 16"	(2 - 45 x 406)
LVL9B	=	3 - 1 ¾" x 16"	(3 - 45 x 406)
LVL10	=	2 - 1 ¾" x 18"	(2 - 45 x 456)



#### **Loose Steel Lintels**

	Steel Size (v x h	1 x t)
=	3½" x 3½" x¼"	(89 x 89 x 6.4) [2]
=	4" x 3 ½" x ¾6"	(102 x 89 x 7.9) [?]
=	5" x 3½" x ¾;"	(127 x 89 x 7.9) [4]
=	6" x 3 ½" x ¾"	(152 x 89x 9.5) [?]
=	6" x 4" x 3/8"	(152 x 102 x 9.5) [?]
=	7" x 4" x 3/8"	(178 x 102 x 9.5) [?]
	= = =	$= 3\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{4}$ $= 4'' \times 3\frac{1}{2} \times \frac{5}{6}''$ $= 5'' \times 3\frac{1}{2} \times \frac{5}{6}''$ $= 6'' \times 3\frac{1}{2} \times \frac{3}{6}''$ $= 6'' \times 4'' \times \frac{3}{8}''$

#### Glue-Laminated Floor Beams

IUC	ide-tarrillialea rioor bed					
ıbel		Beam Size (w x h)				
LU1	=	3 ½" x 11 ½" (80 x 300)				
LU2	=	5 %" x 11 %" (130 x 300)				

#### Minimum Thermal Performance

The minimum thermal performance of building envelope and equipment shall conform to the following

#### Prescriptive Package A1 Space Heating Fuel

	R	Max. U	R
Component	Max. Nominal		Min. Effective
Ceiling with Attic Space	60	0.017	59.22
Ceiling without Attic Space	31	0.036	27.65
Exposed Floor	31	0.034	29.80
Walls Above Grade	22	0.059	17.03
Basement Walls	20 ci	0.047	21.12
Below Grade Slab Entire Surface > 600 mm Below Grade	-	-	-
Heated Slab or Slab <= 600 mm Below Grade	10	0.090	11.13
Edge of Below Grade Slab			

Windows and Sliding Glass Doors Energy rating: 25 Skylights Max. U: Space Heating Equipment

Min. AFAU: HRV Min. SRE: 75% Domestic Water Heater 0.80 Min. EF:

### Area Calculations

<= 600 mm Below Grade

#### Villa 7-1

1236 sq ft, 114.83 sq m Ground Floor 1527 sq ft, 141.86 sq m 2763 sq ft, 256.69 sq m Second Floor Total floor area

Total open to below 20 sa ft. 1.86 sa m 0 sq ft, 0.00 sq m Finished basement 2783 sq ft, 258.55 sa m Total gross floor area

Coverage Areas Ground floor 1236 sq ft, 114.83 sq m Garage 397 sq ft, 36.88 sq m 66 sq ft, 6.13 sq m Porch Other structures

0 sq ft, 0.00 sq m 1633 sq ft, 151.71 sq m Coverage w/o porch Coverage w/ porch 1699 sq ft, 157.84 sq m

#### **SB-12 Calculations** Villa 7-1 Elevation

Max. U: 0.28

#### Wall Area Window Area 623.3 sa ft (57.9 sa m) 83.0 sa ft (7.7 sa m) Left side 1156.3 sq ft (107.4 sq m) Right side 1168.9 sq ft (108.6 sq m) 35.9 sq ft (3.3 sq m) Total 3571.7 sq ft (331.8 sq m) 244.5 sq ft (22.7 sq m)

**Area Calculations** 

#### Villa 7-2

1236 sq ft, 114.83 sq m Ground Floor Second Floor 1527 sq ft, 141.86 sq m Total floor area 2763 sq ft, 256.69 sq m

Total open to below 20 sa ft. 1 86 sa m 0 sq ft, 0.00 sq m Finished basement 2783 sq ft, 258.55 sa m Total gross floor area

Coverage Areas Ground floor 1236 sq ft, 114.83 sq m Garage Porch 397 sq ft, 36.88 sq m 66 sq ft, 6.13 sq m 0 sq ft, 0.00 sq m 1633 sq ft, 151.71 sq m Other structures Coverage w/o porch

1699 sq ft, 157.84 sq m

#### **SB-12 Calculations** Villa 7-2

Total

Elevation	Wall Area	Window Area	
Front	651.6 sq ft (60.5 sq m)	78.9 sq ft (7.3 sq m)	
Left side	1156.3 sq ft (107.4 sq m)	37.6 sq ft (3.5 sq m)	
Right side	1168.9 sq ft (108.6 sq m)	35.9 sq ft (3.3 sq m)	
Rear	623.3 sq ft (57.9 sq m)	88.0 sq ft (8.2 sq m)	

**Area Calculations** 

## Villa 7-3

Coverage w/ porch

1236 sa ft, 114.83 sa m Second Floor 1527 sq ft, 141.86 sq m Total floor area 2763 sq ft, 256.69 sq m

Total open to below 20 sq ft, 1.86 sq m 0 sq ft, 0.00 sq m Finished basement 2783 sq ft, 258.55 sa m Total gross floor area

Coverage Areas Ground floor

1236 sq ft, 114.83 sq m 397 sq ft, 36.88 sq m 66 sq ft, 6.13 sq m Garage Porch 0 sq ft, 0.00 sq m 1633 sq ft, 151.71 sq m Other structures Coverage w/o porch Coverage w/ porch 1699 sq ft, 157.84 sq m

**SB-12 Calculations** Villa 7-3

Elevation	Wall Area
Front	631.3 sq ft (58.6 sq m)
Left side	1156.3 sq ft (107.4 sq m)
Right side	1168.9 sq ft (108.6 sq m)
Rear	623.3 sq ft (57.9 sq m)
Total	3579 7 sq ft (332 A sc

88.2 sq ft (8.2 sq m) 37.6 sq ft (3.5 sq m) 13.97% 3.25% 35.9 sa ft (3.3 sa m) 3.08% 3579.7 sq ft (332.6 sq m) 249.7 sq ft (23.2 sq m) 6.98%

Window Area

3600.0 sq ft (334.5 sq m) 240.5 sq ft (22.3 sq m) 6.68%

Compliance Package A1

**Percentage** 

**Percentage** 

**Percentage** 

12.11% 3.25%

3.08%

13.31%

3.25%

3.08%

6.85%

he undersigned has reviewed and takes responsibility for this design, as well as having the qualifications and requirements mandated by th Ontario Building Code (O.B.C.) to be a Designer.

By JM

JM

2023-04-28

2023-06-21

2023-07-10

#### **Qualification Information**

amie Mack	35923	- Wal
ame	BCIN	Signature



## **General Notes and Charts Elevation 1**

#### 0 36' Sinale 2023-07-10 22-012

# Greenpark

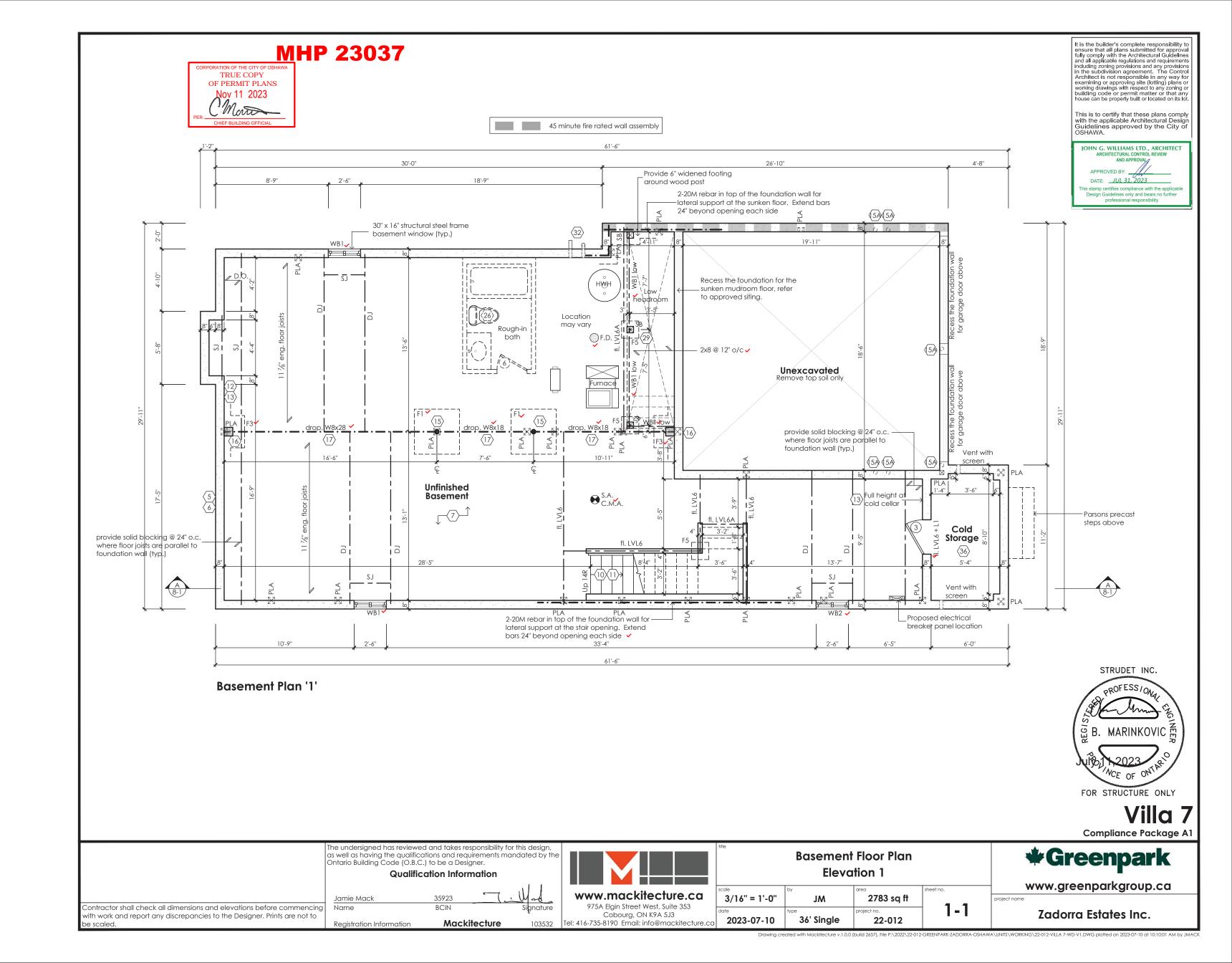
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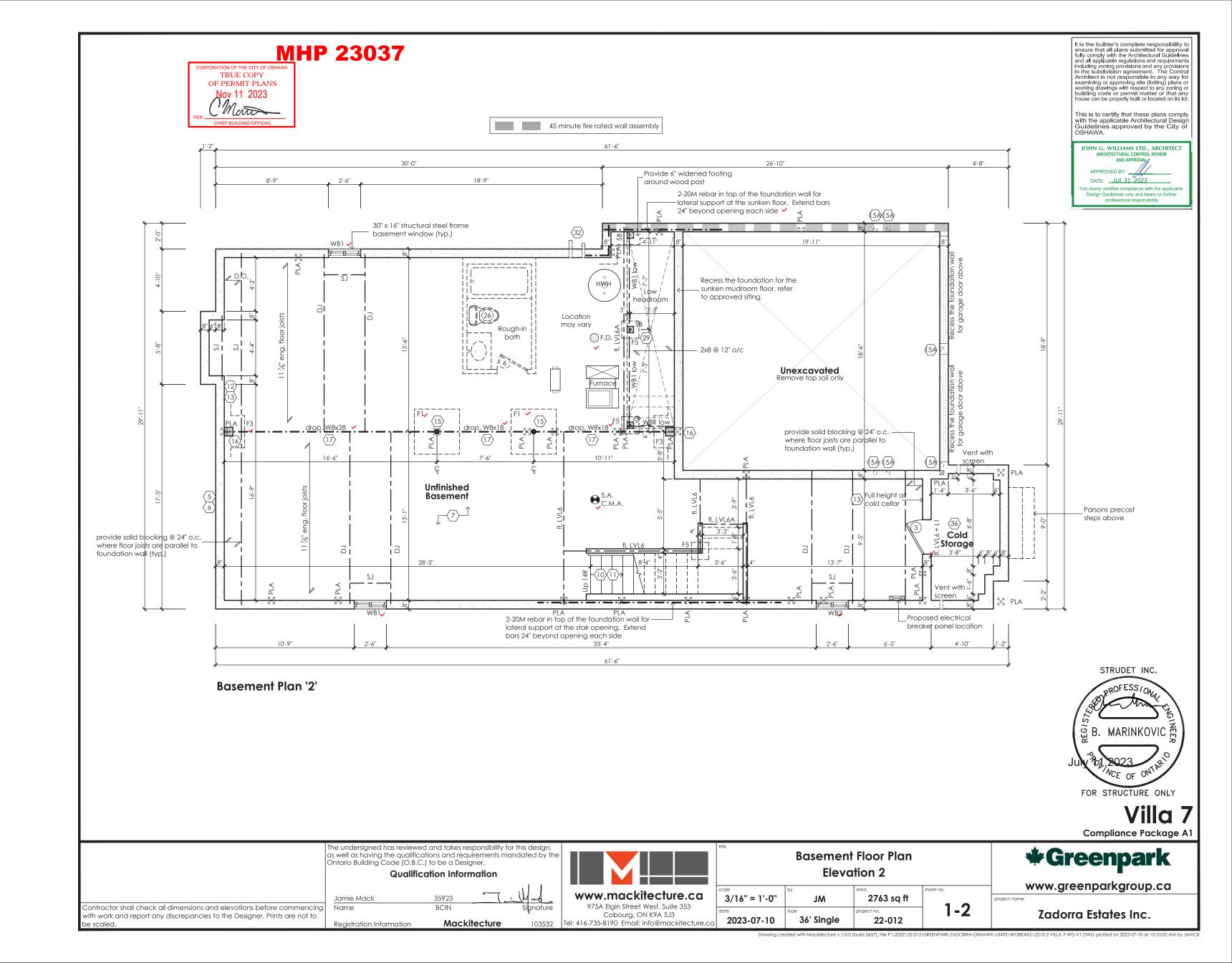
Zadorra Estates Inc.

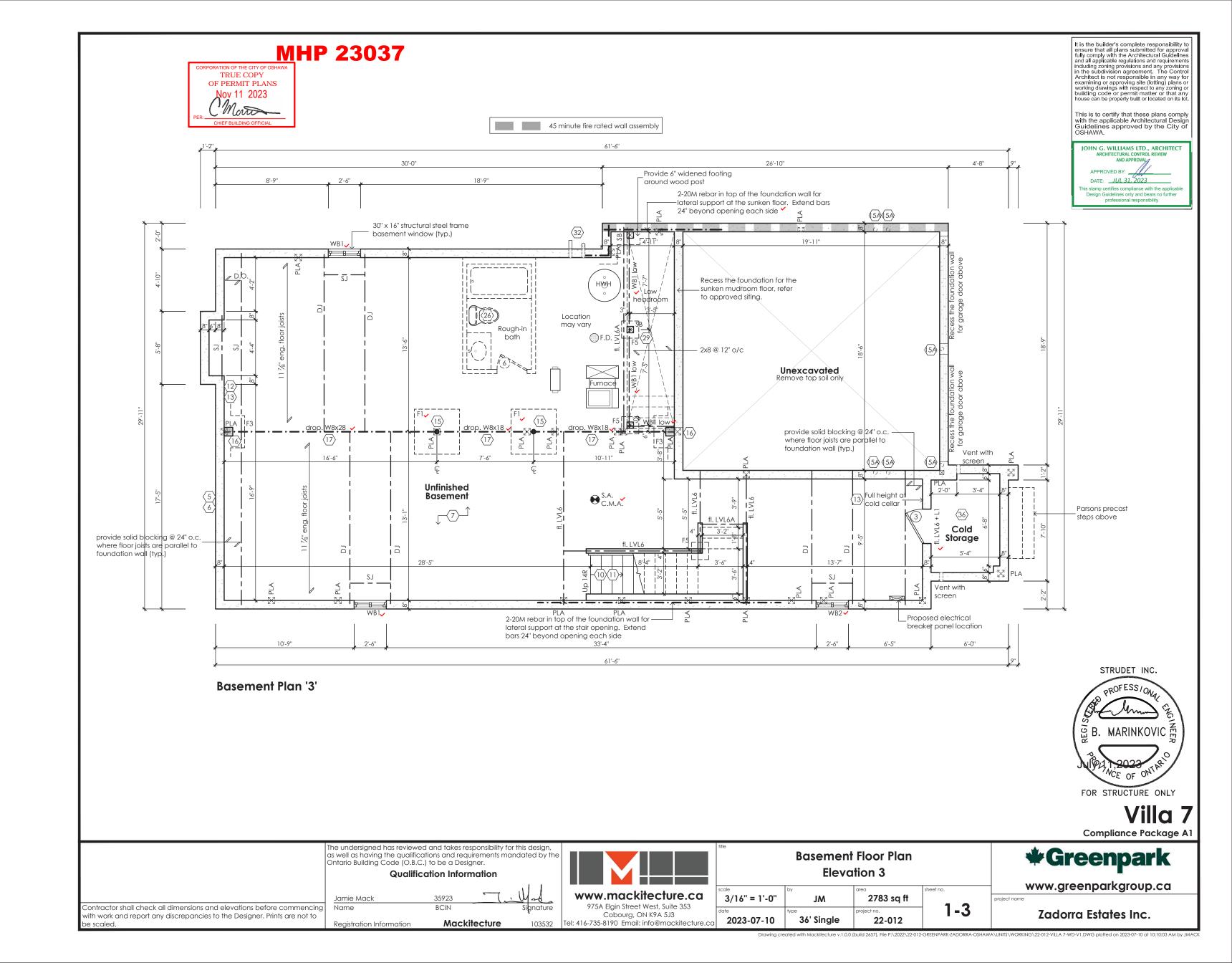
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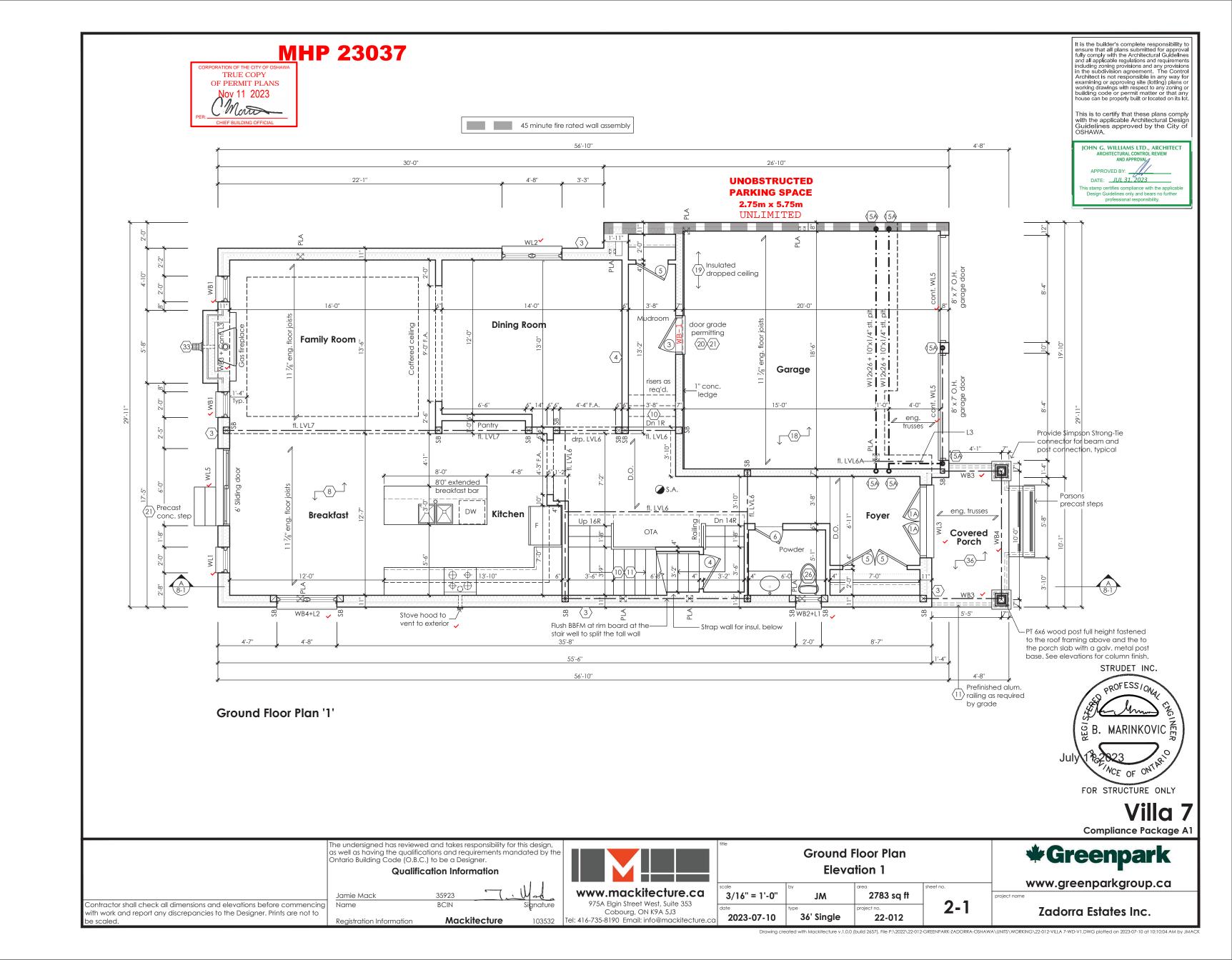
Mackitecture

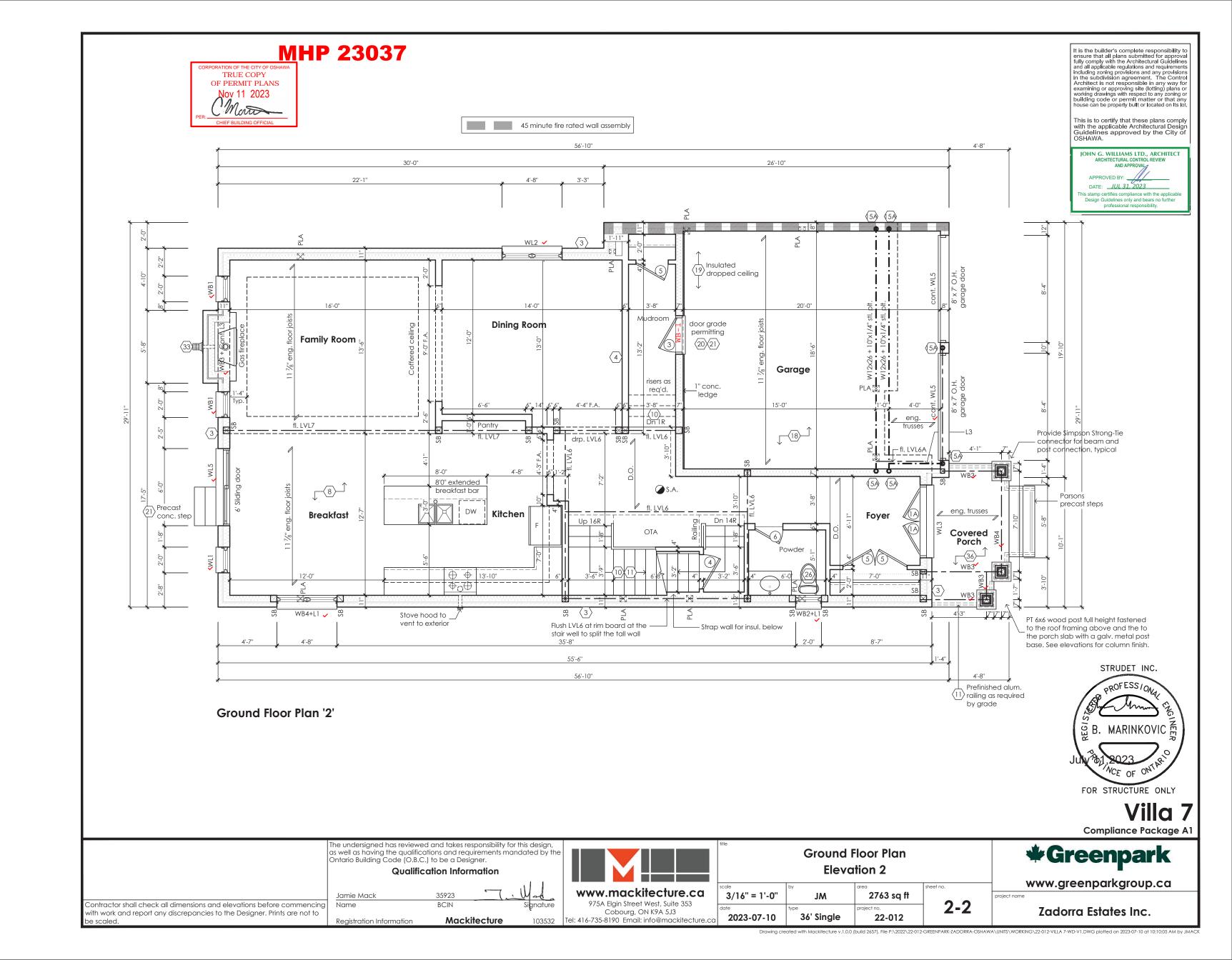
Tel: 416-735-8190 Email: info@mackitecture.ca

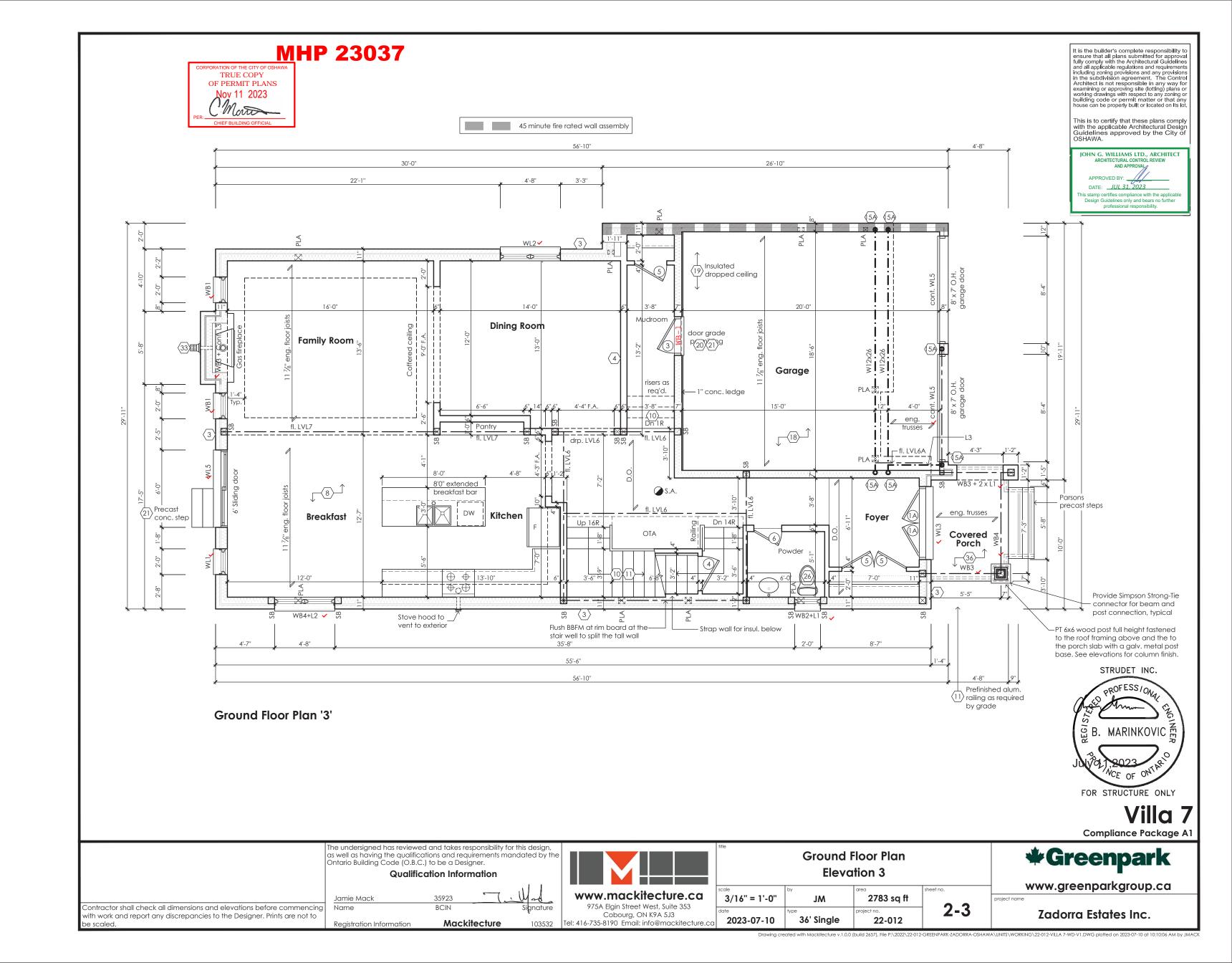


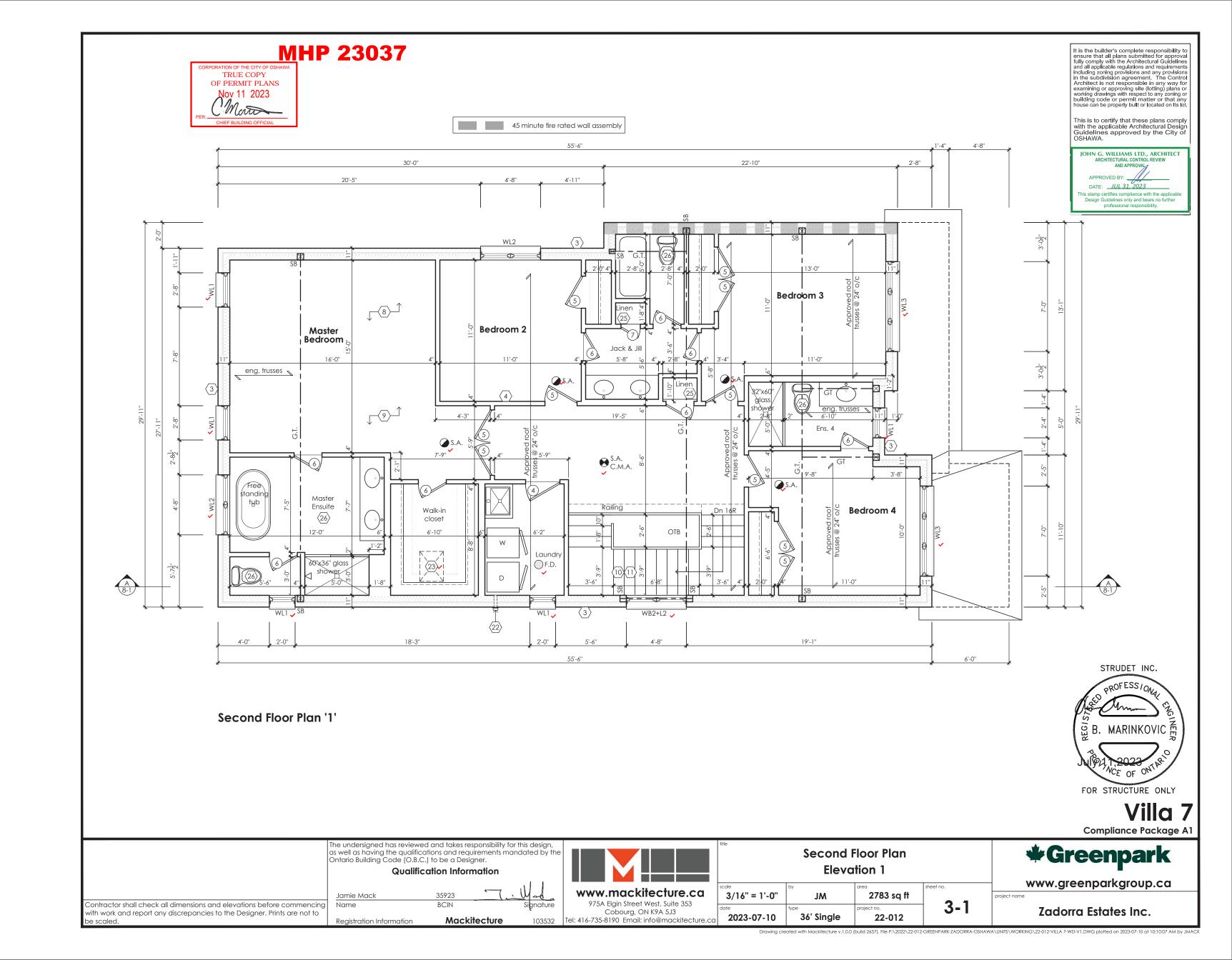


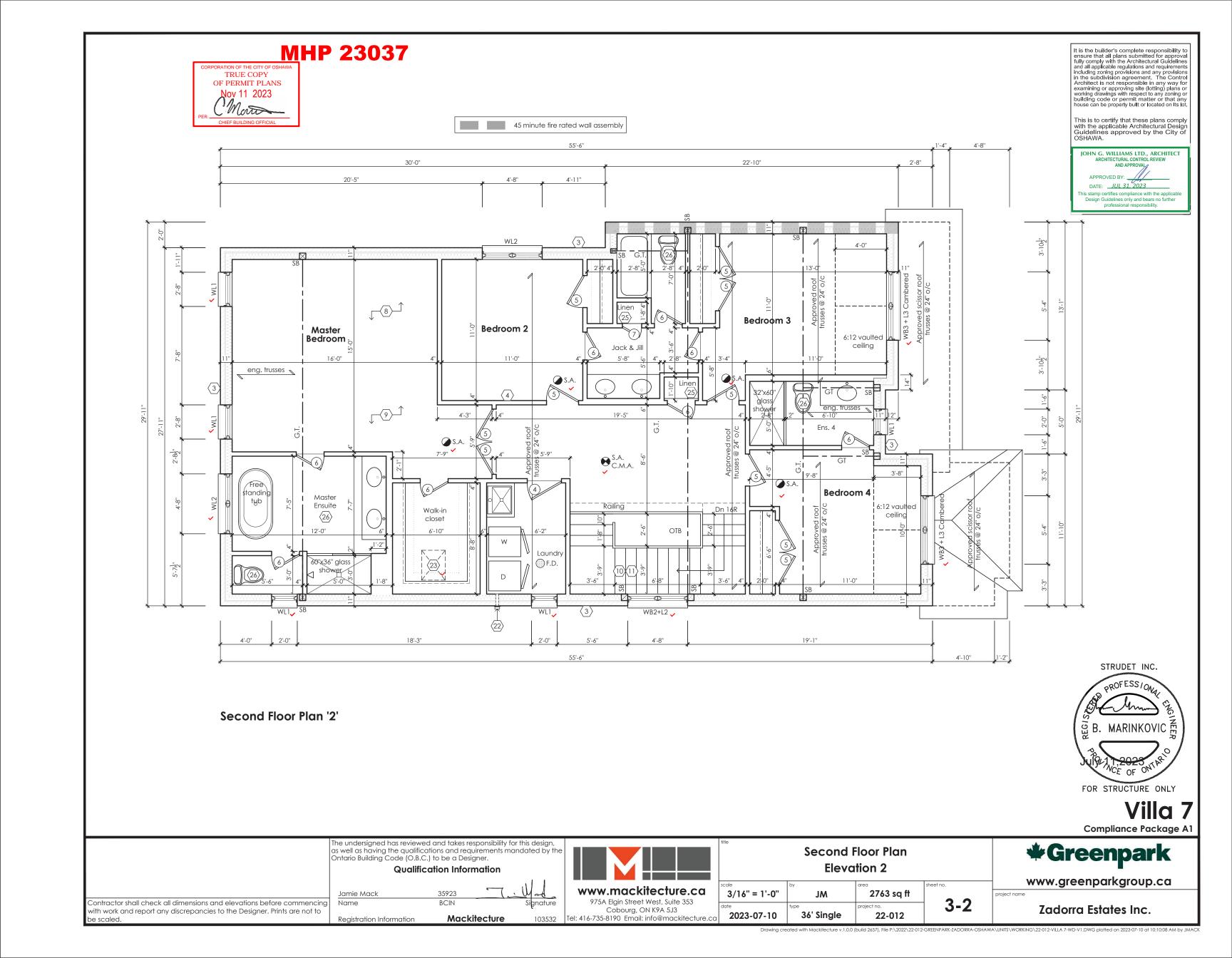


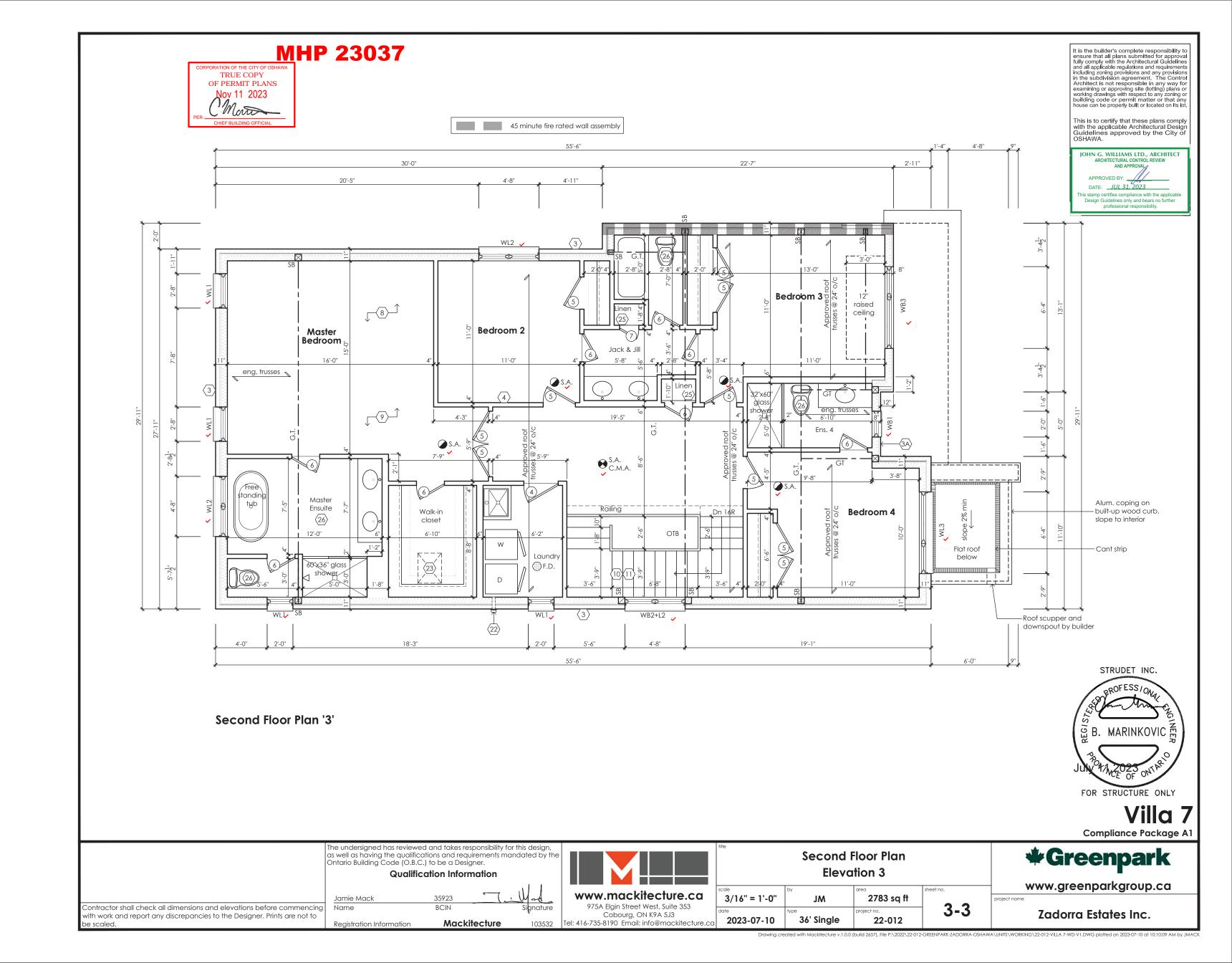


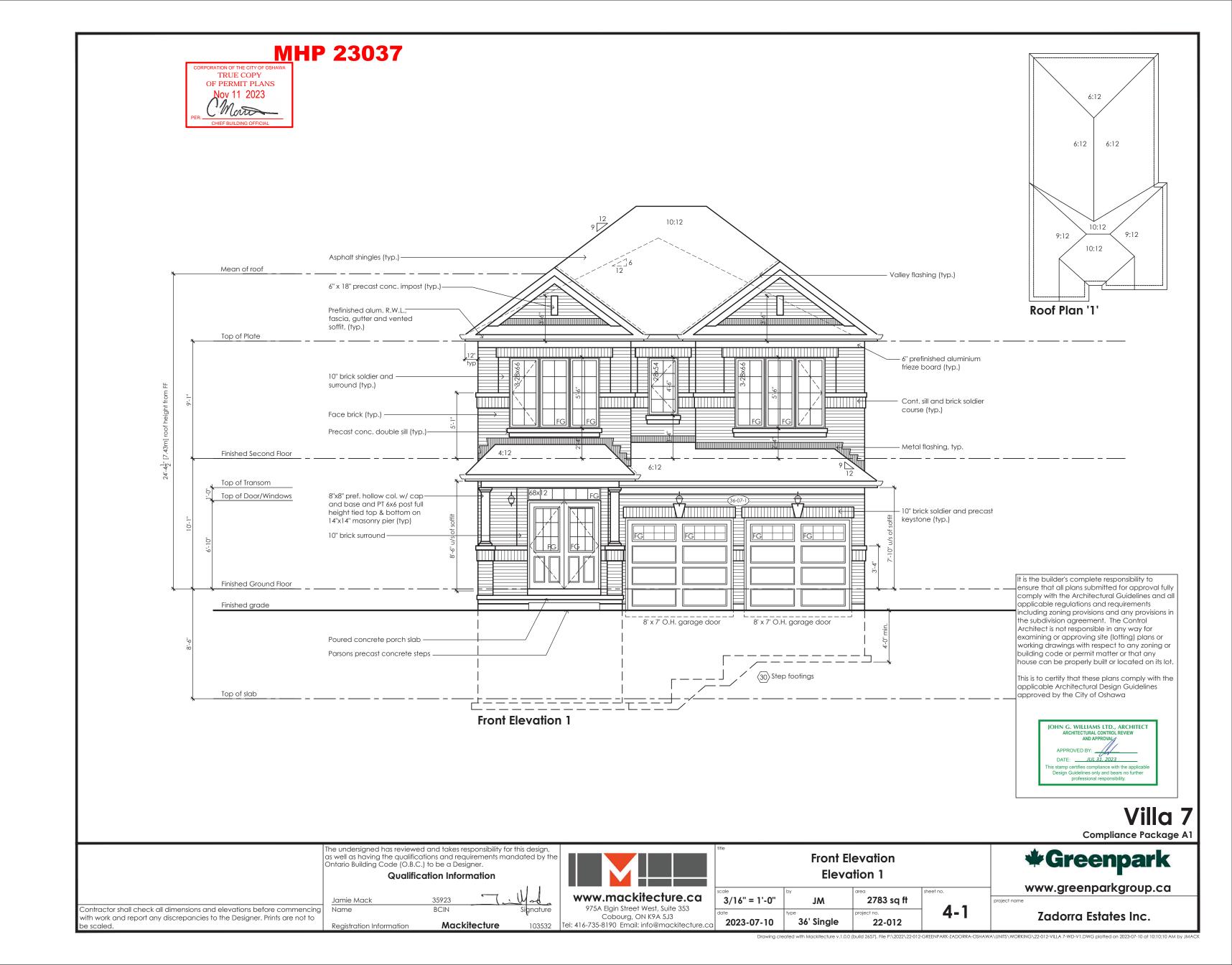


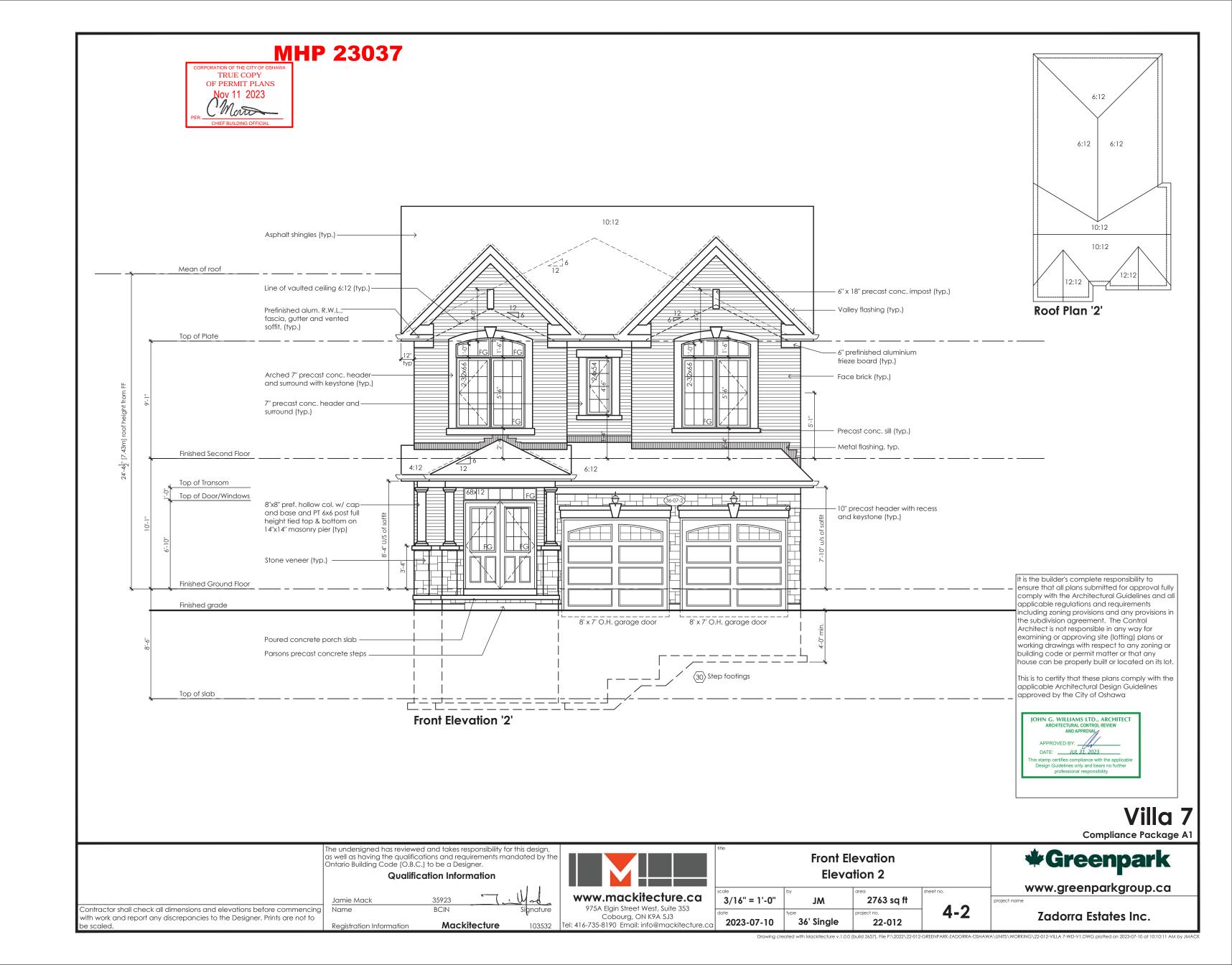


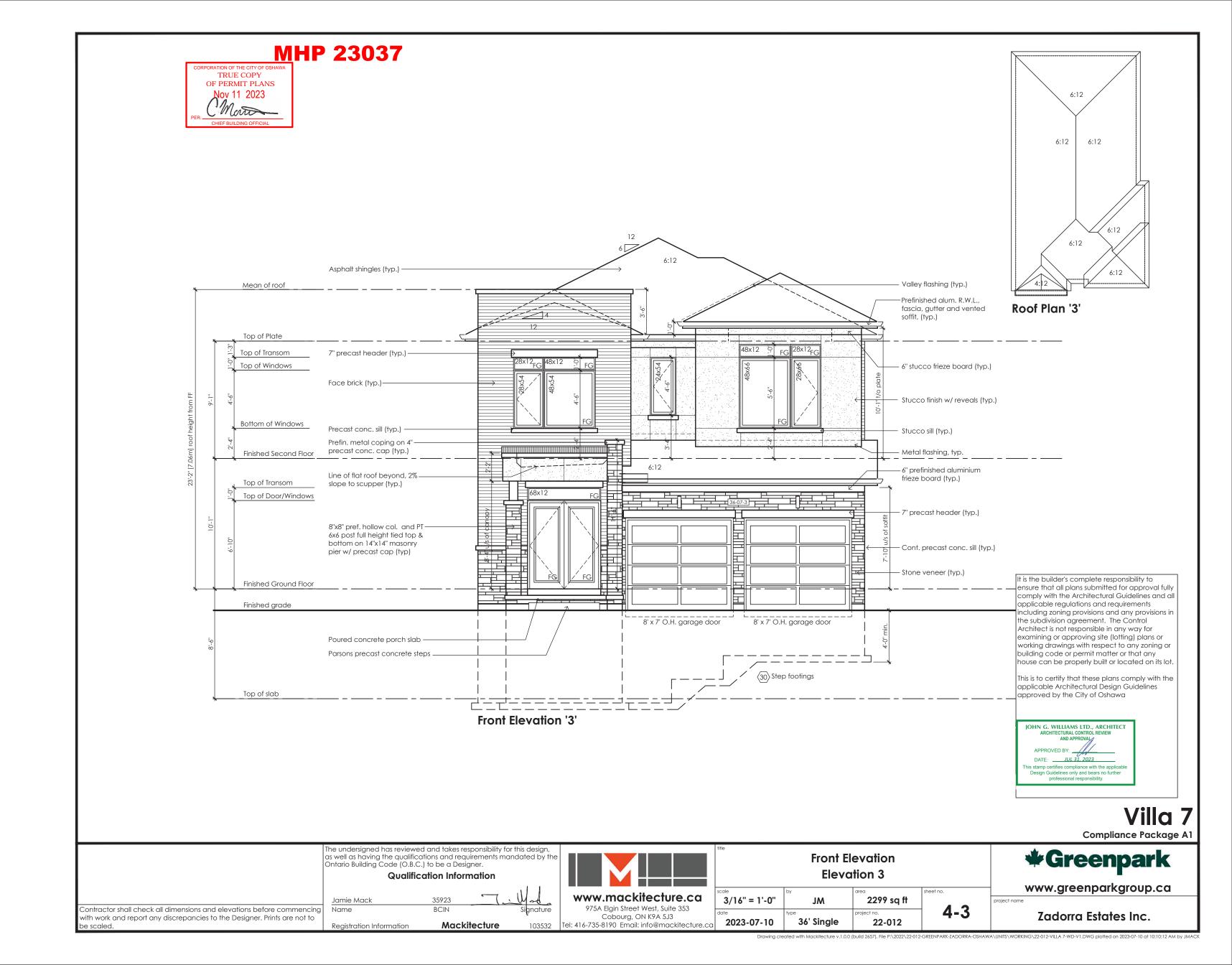


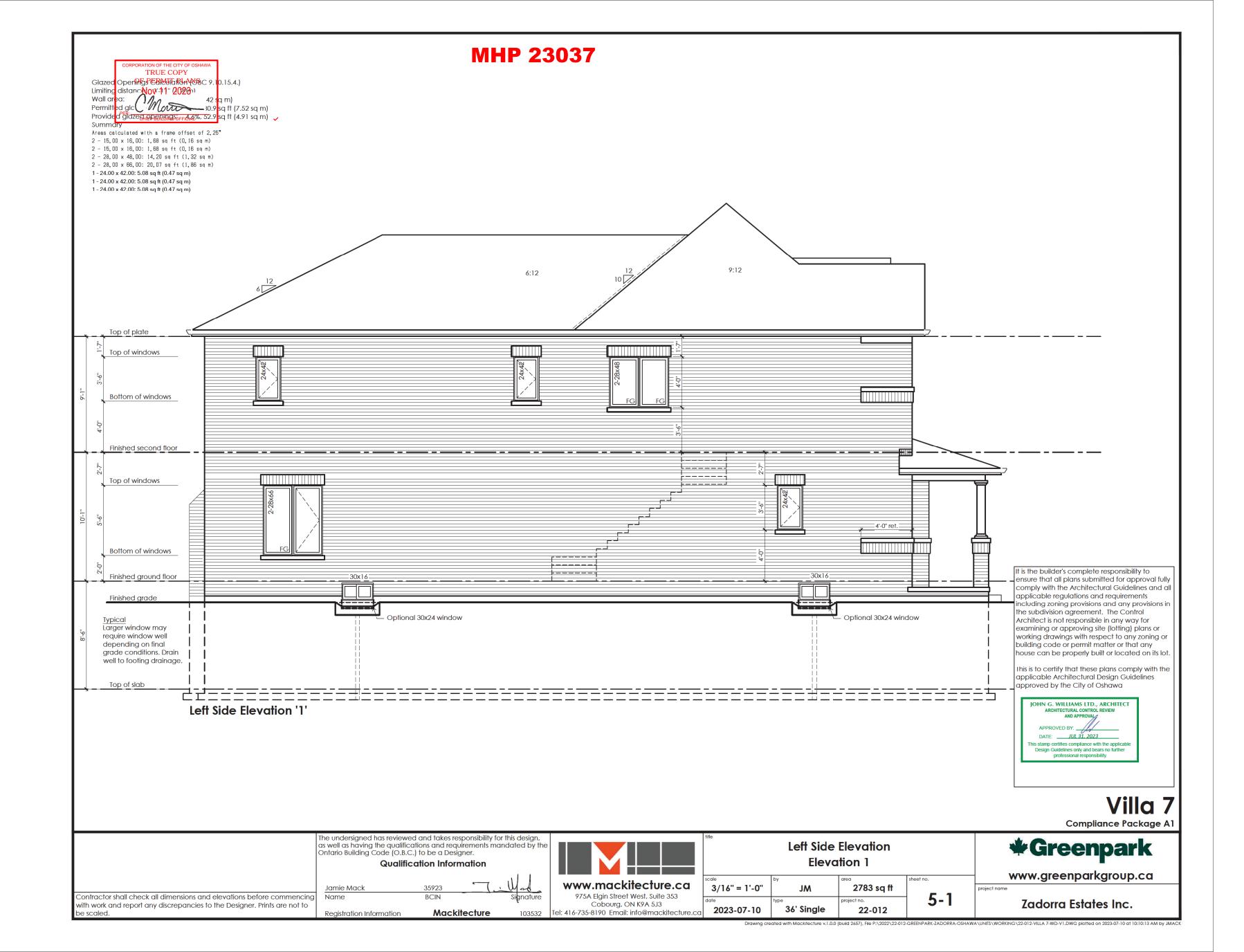


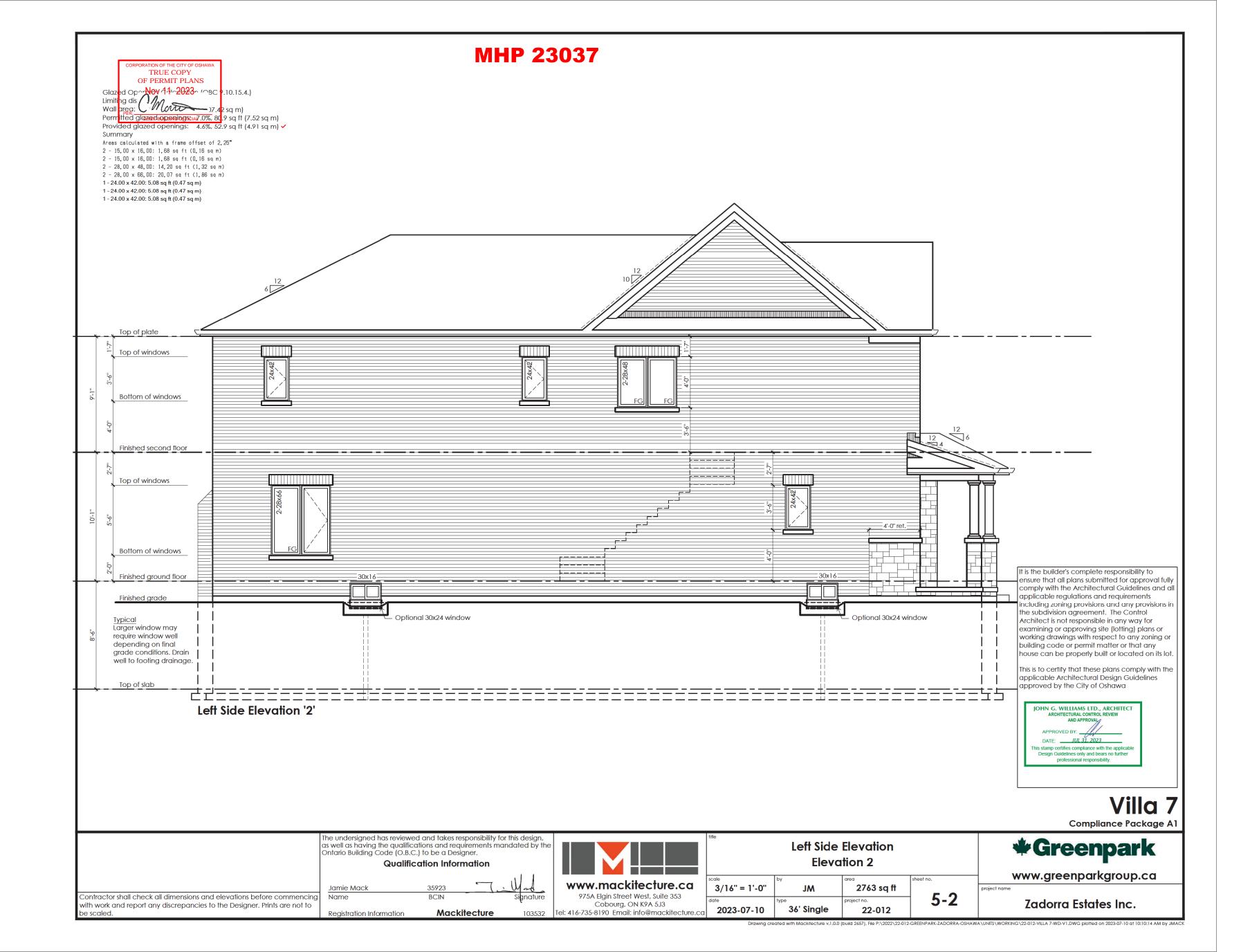


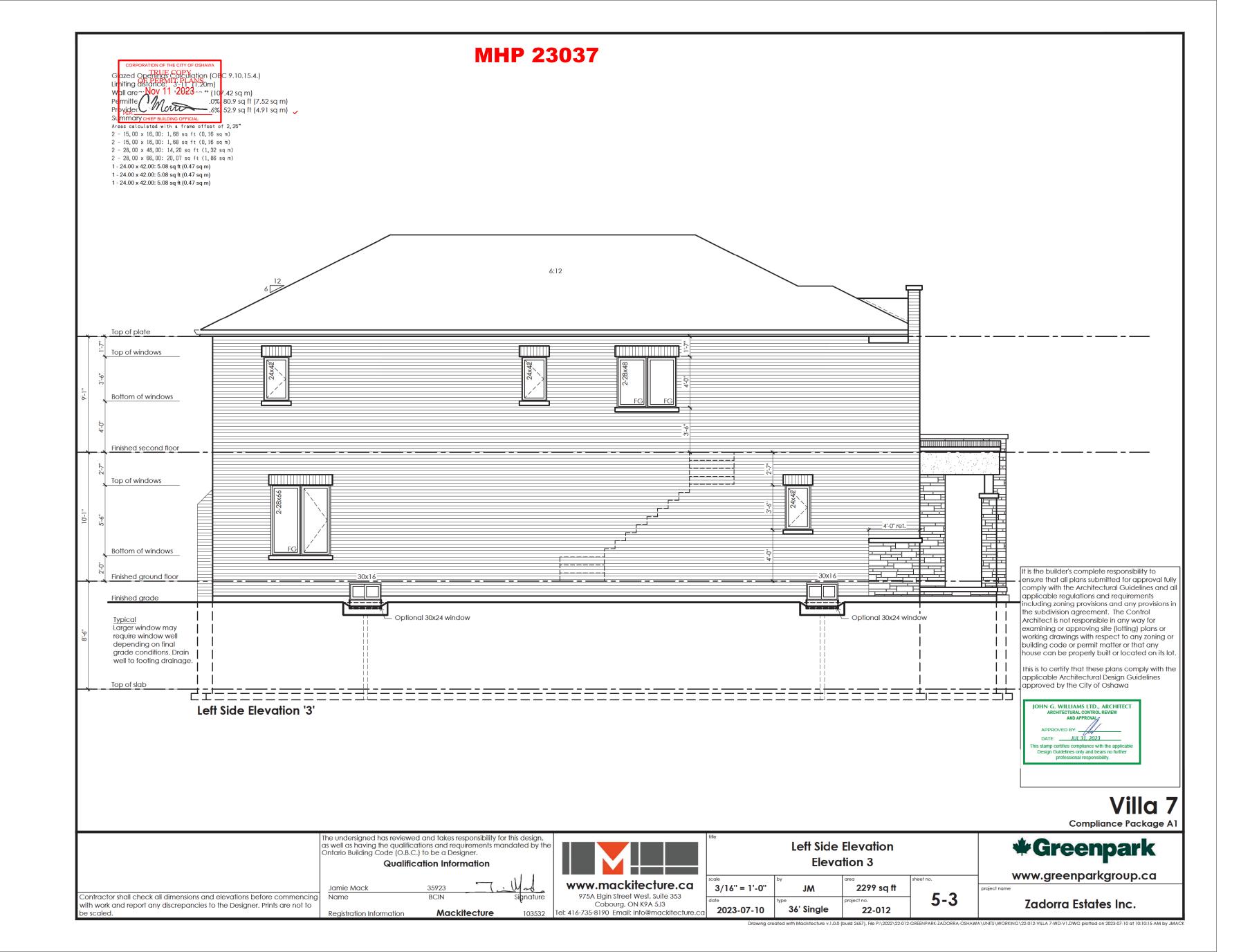


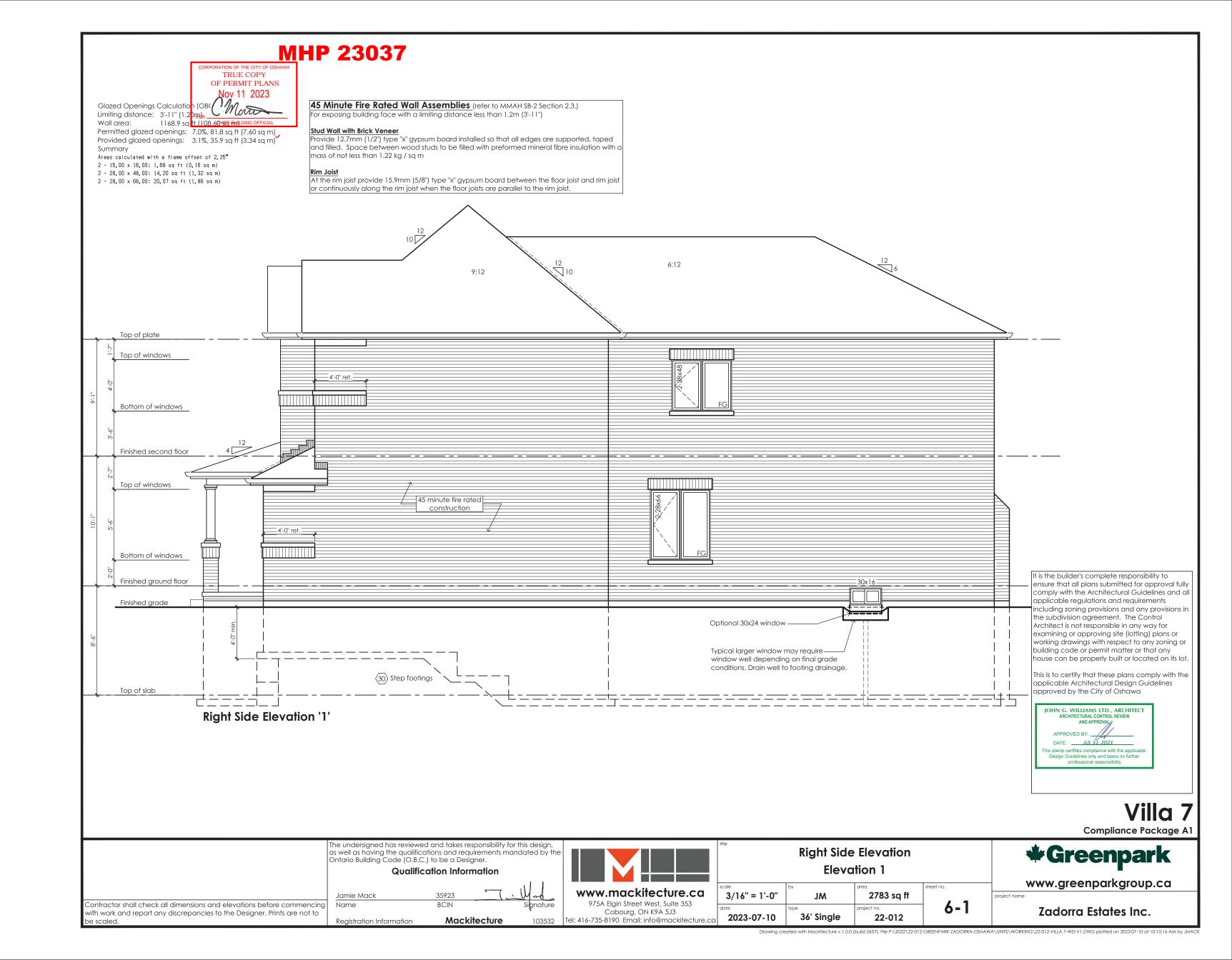


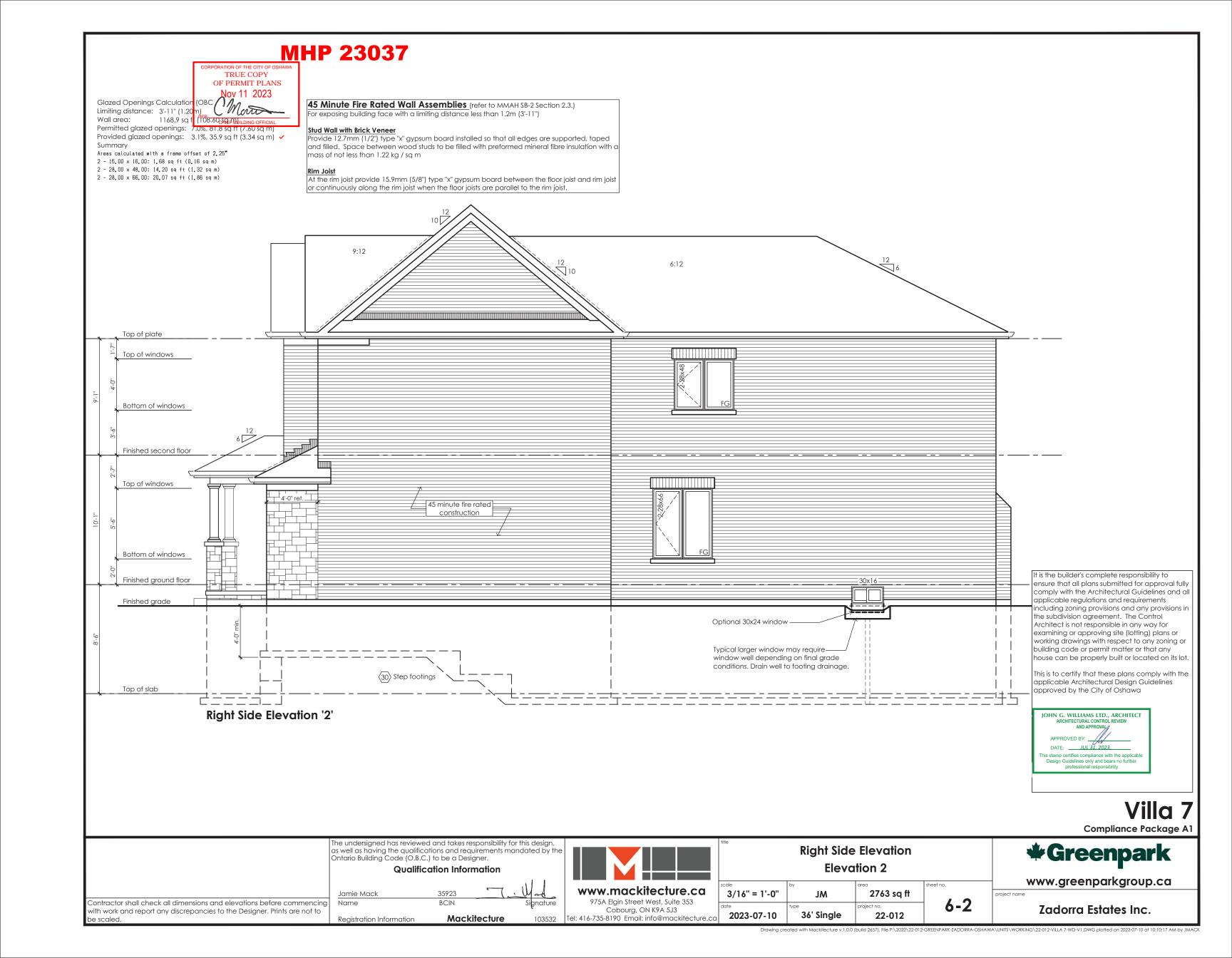


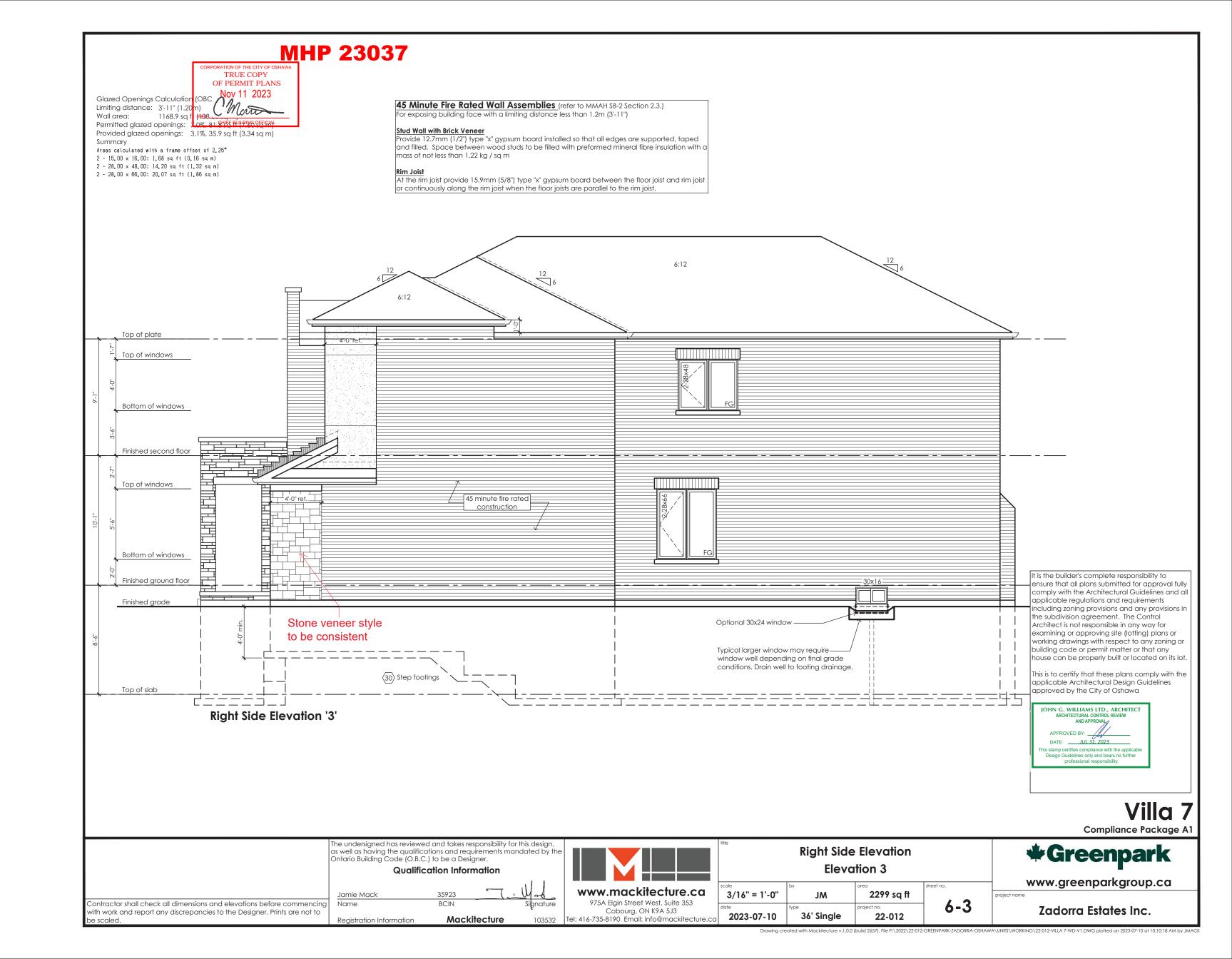




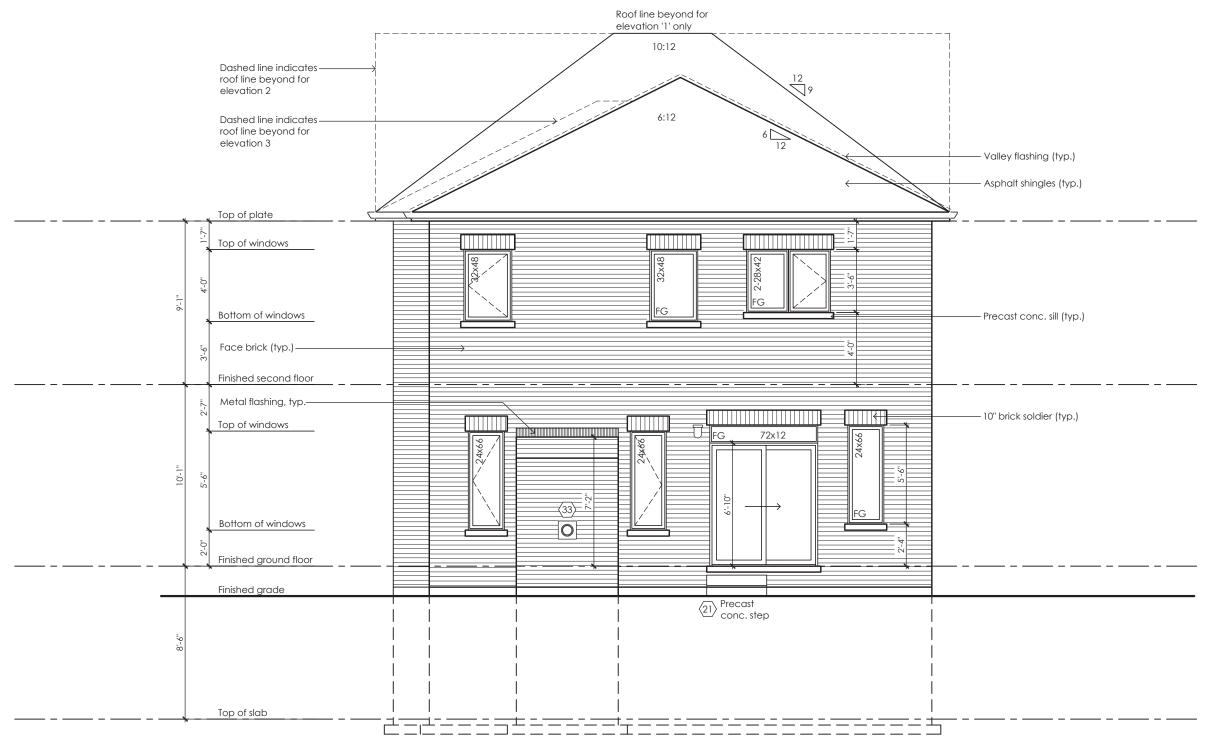












Rear Elevation '1', '2' & '3'

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This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of Oshawa

JOHN G. WILLIAMS LTD., ARCHITECT ARCHITECTURAL CONTROL REVIEW AND APPROVAL 

> Villa 7 Compliance Package A1

The undersigned has reviewed and takes responsibility for this design, as well as having the qualifications and requirements mandated by the Ontario Building Code (O.B.C.) to be a Designer.

#### **Qualification Information**

BCIN Mackitecture



# **Rear Elevation** Elevation 1, 2, 3

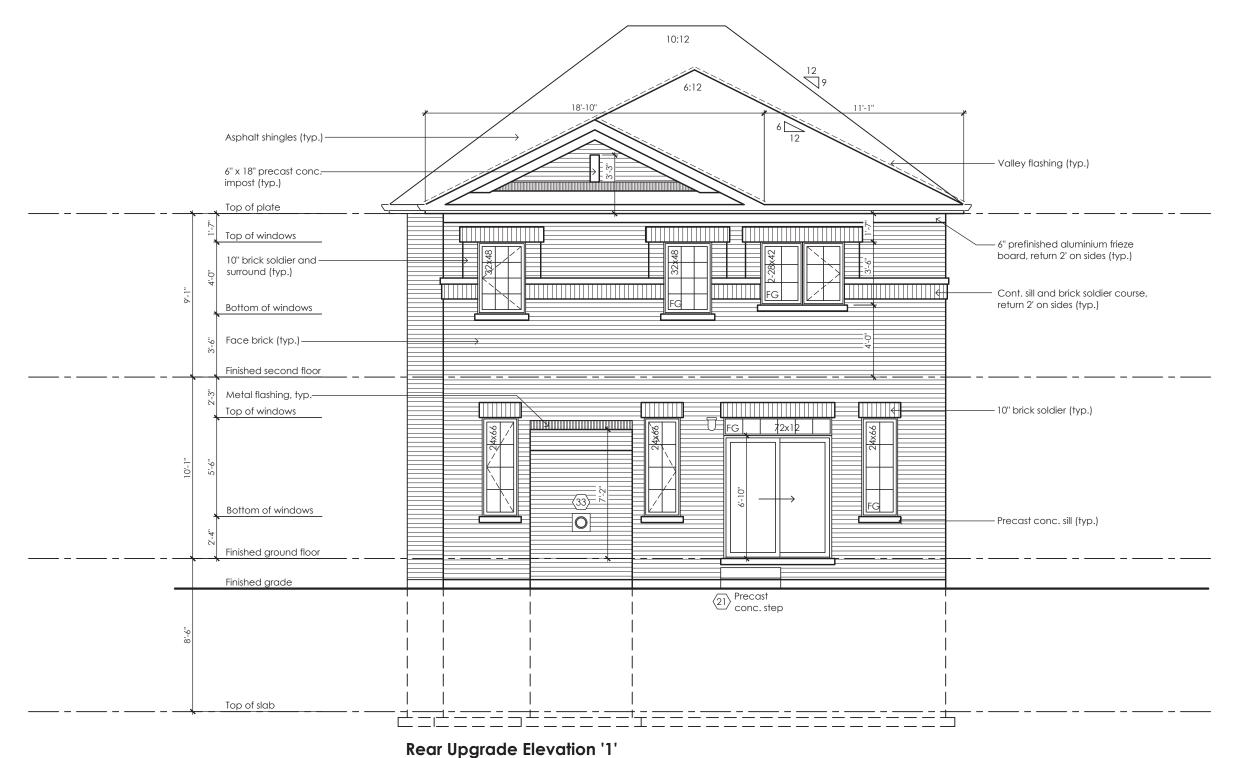
3/16" = 1'-0" 7-1 36' Single 22-012 2023-07-10



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JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW
AND APPROVAL

APPROVED BY:

DATE: JUL 31. 2023

This stamp certifies compliance with the applicable
Design Guidelines only and bears no further
professional responsibility.

Villa 7
Compliance Package A1

The undersigned has reviewed and takes responsibility for this design, as well as having the qualifications and requirements mandated by the Ontario Building Code (O.B.C.) to be a Designer.

#### **Qualification Information**

Jamie Mack
Name

BCIN

Signature

Registration Information

Mackitecture

103532



# Rear Upgrade Elevation Elevation 1

 3/16" = 1'-0"
 by JM
 area

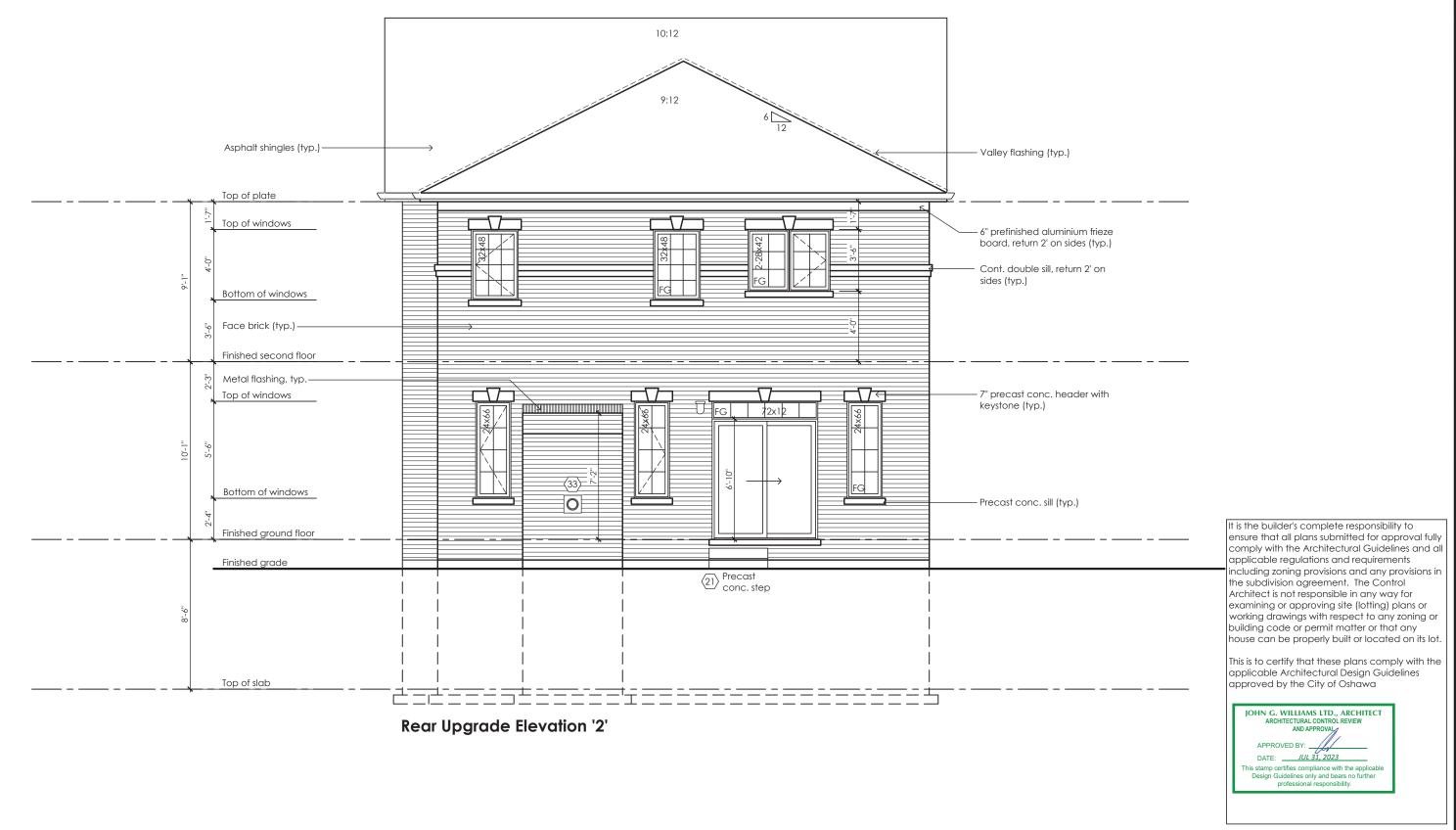
 date 2023-07-10
 type 36' Single
 project no. 22-012
 7-1A



www.greenparkgroup.ca



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Villa 7
Compliance Package A1

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### **Qualification Information**

Jamie Mack
Name

BCIN

Signature

Registration Information

Mackitecture

103532



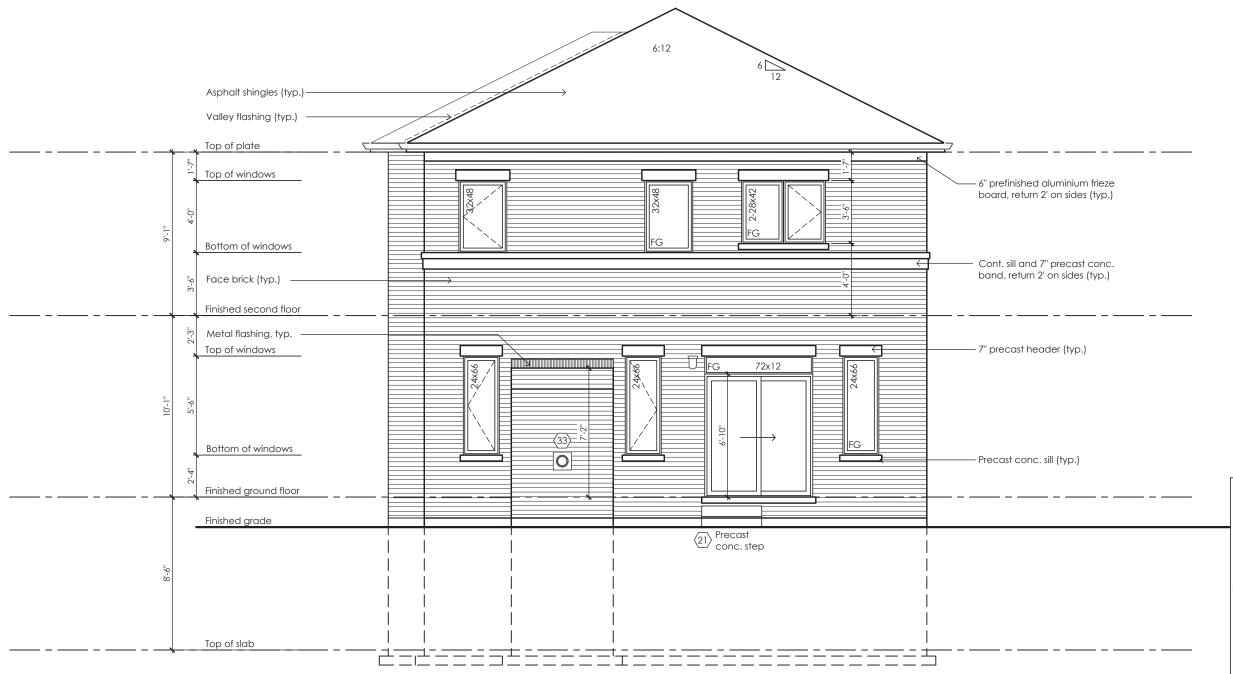
# Rear Upgrade Elevation Elevation 2

# **<b>∳Greenpark**

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JOHN G. WILLIAMS LTD., ARCHITECT APPROVED BY: DATE: JUL 31, 2023

is stamp certifies compliance with the applicab Design Guidelines only and bears no further

Villa 7 Compliance Package A1

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**Rear Upgrade Elevation '3'** 

#### **Qualification Information**

BCIN Mackitecture

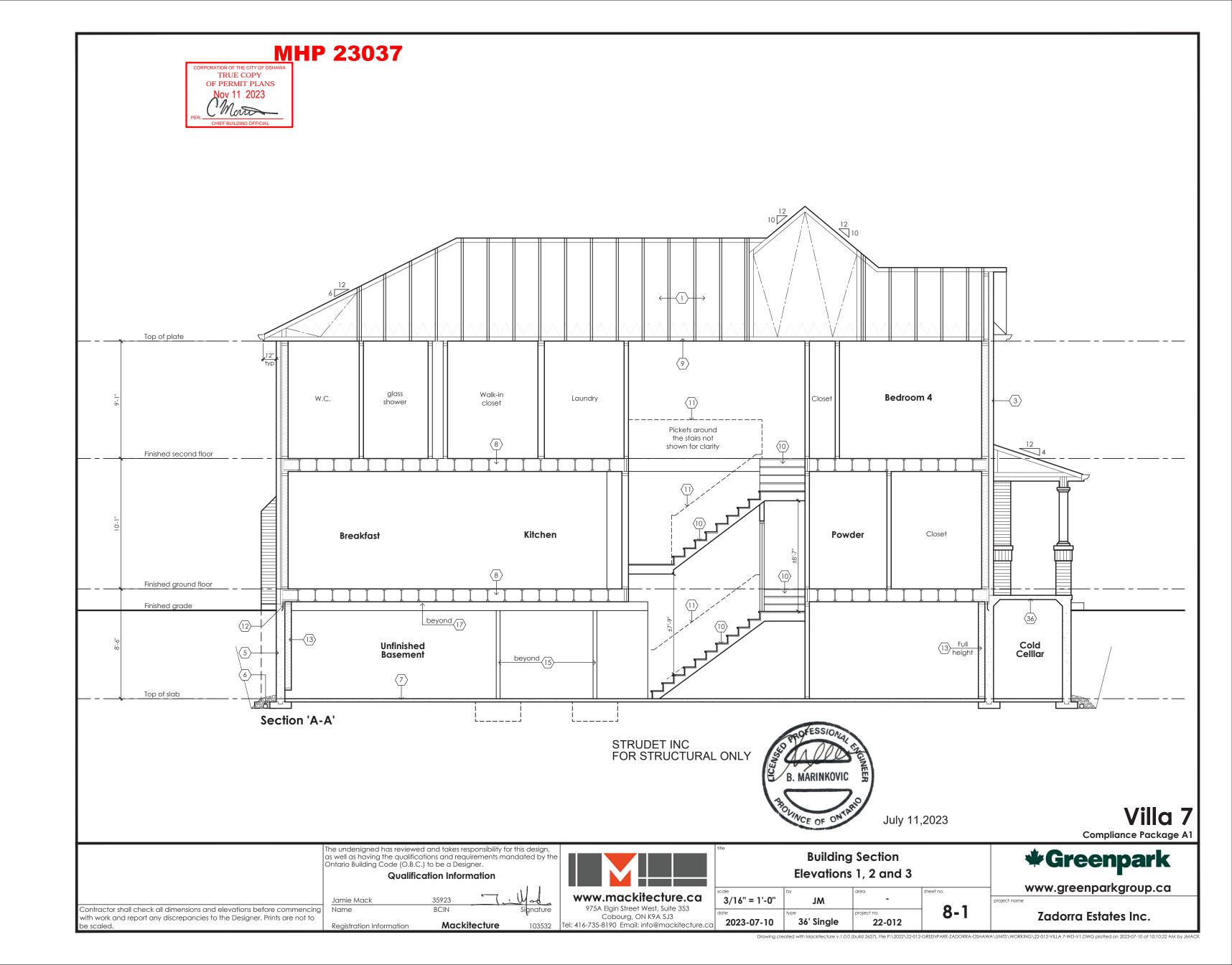


## **Rear Upgrade Elevation Elevation 3**

3/16" = 1'-0" 7-3A 36' Single 22-012 2023-07-10



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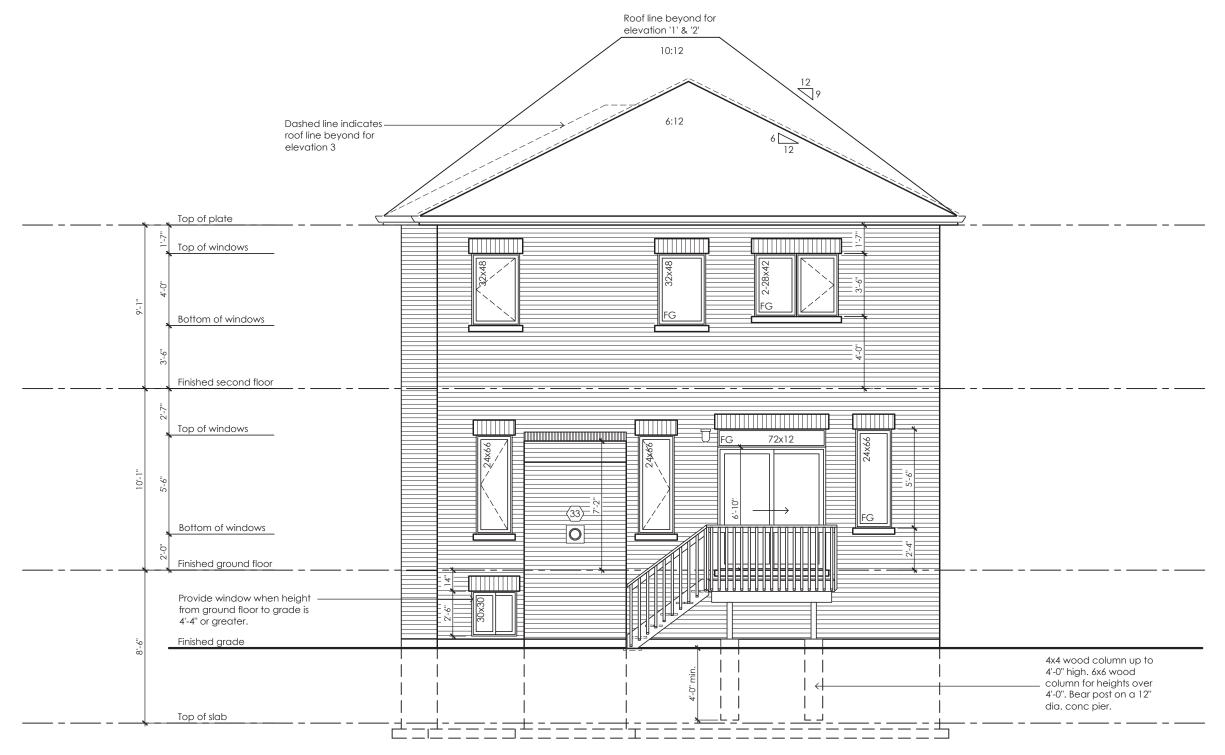




Total

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3651.5 sq ft (339.2 sq m) 248.3 sq ft (23.1 sq m) 6.80%



Rear Elevation '1', '2' & '3'
Deck Condition

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ARCHITECTURAL CONTROL REVIEW
AND APPROVAL
APPROVED BY:

DATE: JUL 31, 2023

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Villa 7
Compliance Package A1

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### **Qualification Information**

Jamie Mack
Name

BCIN

Signature

Registration Information

Mackitecture

103532



# Deck Elevation Elevations 1, 2 and 3



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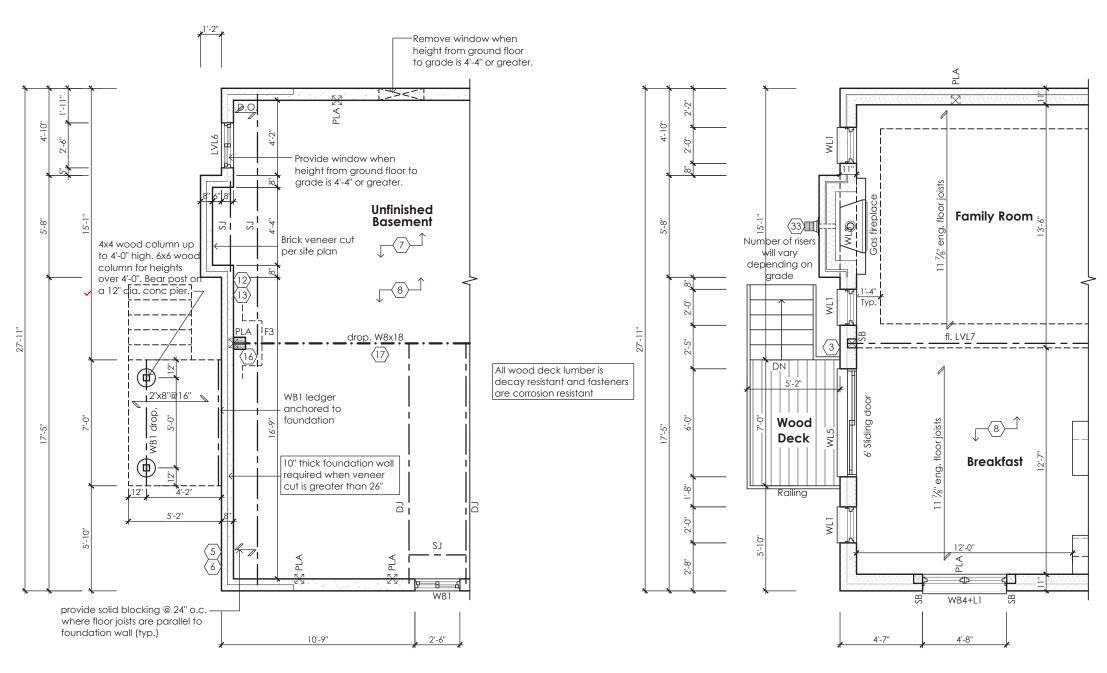


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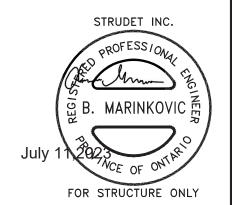
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Partial Basement Plan For Deck Condition Partial Ground Floor Plan For Deck Condition Elevation 1, 2 and 3



Villa 7 Compliance Package A1

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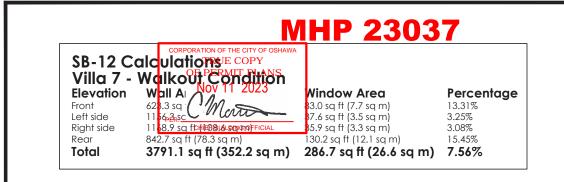
Elevation 1, 2 and 3



**Deck Plans** Elevations 1, 2 and 3 3/16" = 1'-0" 9-2 36' Single 2023-07-10 22-012



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### **Qualification Information**

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### **Walkout Basement Elevation** Elevations 1, 2 and 3

3/16" = 1'-0" 10-1 36' Single 22-012 2023-07-10



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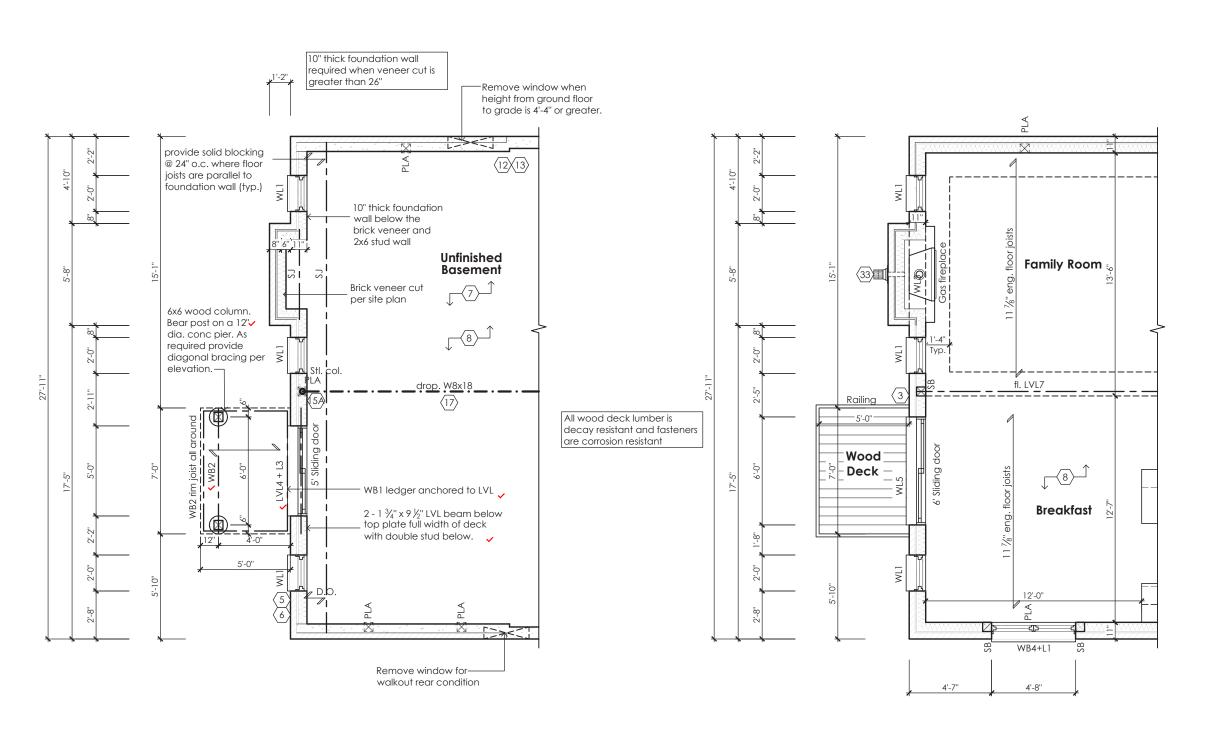
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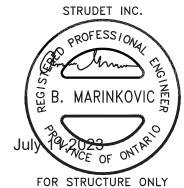
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Villa 7

Compliance Package A1

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### **Qualification Information**

BCIN Mackitecture



## **Walkout Basement Plans** Elevations 1, 2 and 3 3/16" = 1'-0" 10-2

36' Single

2023-07-10

**<b><b>Greenpark** 

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Zadorra Estates Inc.

22-012