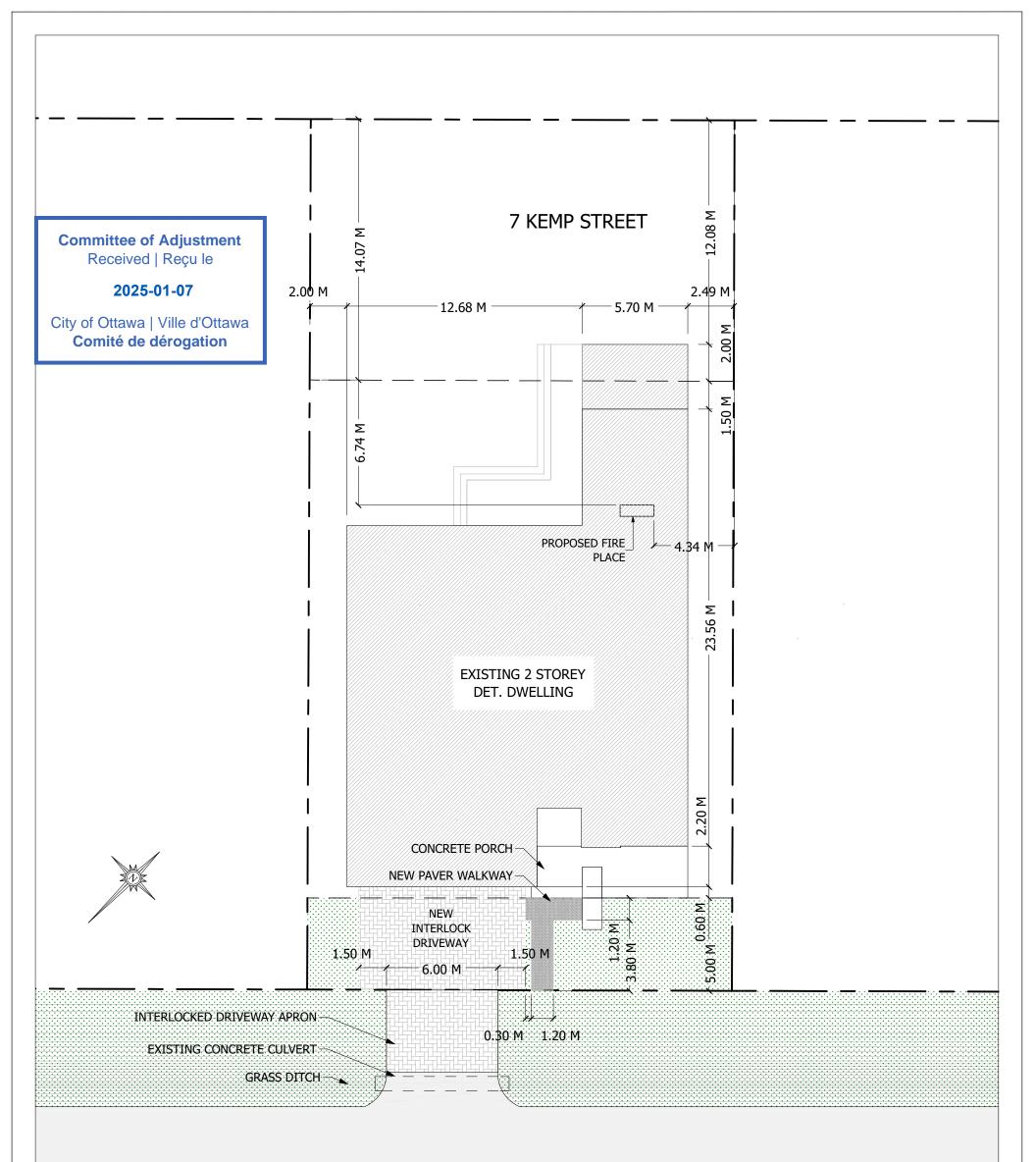


KEMP STREET

		KLIVIP STRLLT			
		<u>E PLAN</u> = 200 M			
	I BASSAM ELSARAJ REVIEW AND TAKE RESPOSIBILITIES FOR THE DESIGN WORK ON BEHALF OF A FIRM REGISTERED UNDER DIVISION C, PART 3 SUBSECTION 3 2 4 OF THE 2012 OF C 1 AM	OSIBILITIES FOR THE DESIGN WORK ON LF OF A FIRM REGISTERED UNDER DIVISION C, 3, SUBSECTION 3.2.4 OF THE 2012 O.B.C. I AM LFIED AND THE FIRM IS REGISTERED IN THE OPRIATE CLASSES/CATAGORIES. GNER BCIN: 37385 BCIN: 40889 ATURE OF MEMBER: OF	DRAWING TITLE:	PROJECT NUMBER:	
	QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES/CATAGORIES. DESIGNER BCIN: 37385		REVISION TA	ABLE DATE	DRAWN BY: B.E.
CLEAR DRAFTING ENGINEERING & ARCHTECTURAL DRAFTING & DESIGN SERVICES	SIGNATURE OF MEMBER:				DRAWN BY: B.E.
211-1390 PRINCE OF WALES DRIVE OTTAWA, ONTARIO K2C 3N6 613-255-3425   SERVICES@CLEARDRAFTING.COM PROJECT TITLE:	SQUARE FOOTAGE:       EXISTING       NEW         BSMNT/FDN:       ft <sup>2</sup> ft <sup>2</sup> GRND FLR:       ft <sup>2</sup> ft <sup>2</sup> 2ND FLOOR:       ft <sup>2</sup> ft <sup>2</sup>	AND/OR OMISSIONS PRIOR TO START OF WORK. • TO THE BEST OF MY KNOWLEDGE THESE PLANS ARE DRAWN TO COMPLY WITH THE CLIENT'S SPECIFICATIONS AND ANY CHANGES MADE ON THEM AFTER SUBMISSION ARE MADE AT THE OWNER'S AND/ OR CONTRACTOR'S EXPENSE AND RESPONSIBILITY.			SHEET:
FARES RESIDENCE 7 KEMP STREET OTTAWA, ONTARIO	3RD FLOOR: ft <sup>2</sup> ft <sup>2</sup>	SCALE: AS SHOWN	DATE: JANUARY 28, 2025		



KEMP STREET

		KLIVIP STRLLT			
		<u>E PLAN</u> = 200 M			
	I BASSAM ELSARAJ REVIEW AND TAKE RESPOSIBILITIES FOR THE DESIGN WORK ON BEHALF OF A FIRM REGISTERED UNDER DIVISION C, PART 3 SUBSECTION 3.2.4 OF THE 2012.0 R.C. LAM	IBILITIES       FOR       THE       DESIGN       WORK ON         OF A FIRM REGISTERED UNDER DIVISION C,       BUD NOT SCALE DIMENISONS. READ DIMENSIONS       ONLY.         SUBSECTION 3.2.4 OF THE 2012 O.B.C. I AM       ON ON OT SCALE DIMENISONS. READ DIMENSIONS         ED AND THE FIRM IS REGISTERED IN THE       GENERAL CONTRACTORS SHALL CONSTRUCT ALL         WORK IN ACCORDANCE WITH THE 2012       ONTARIO BUILDING CODE, MUNICIPAL BYLAWS,         SER BCIN:       37385         IN:       40889         JRE OF MEMBER:       ON ONTER APPLICABLE BUILDING CODES.         ONTARIO BUILDER MAY NEED TO PROVIDE       AN ENGINEER'S REPORT AT HIS/HER EXPENSE.         CONSULT YOUR LOCAL BUILDING AUTHORITIES.       PLEASE NOTIFY DESIGNER FOR ANY ERRORS	DRAWING TITLE:	PROJECT NUMBER:	
	QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES/CATAGORIES. DESIGNER BCIN: 37385		REVISION T/ NO. DESCRIPTION	ABLE DATE	DRAWN BY: B.E.
CLEAR DRAFTING ENGNEERING § ARCHTECTURAL DRAFTING § DESIGN SERVICES	FIRM BCIN: 40889 SIGNATURE OF MEMBER:				DRAWN BY: B.E.
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FARES RESIDENCE 7 KEMP STREET OTTAWA, ONTARIO	3RD FLOOR: ft <sup>2</sup> ft <sup>2</sup>	SCALE: AS SHOWN	DATE: OCTOBER 30, 2024	+	

# FARES RESIDENCE

## 1 KEMP DRIVE

PROPOSED 2 STOREY DET. DWELLING

## SCOPE OF WORK:

NEW FOUNDATION NEW FRAMING NEW EXTERIOR FINISHES

NEW INTERIOR FINISHES NEW ROOFING NEW ELECTRICAL

NEW PLUMBING SITE WORK

DRAWING LEGEND:					
LABEL	TITLE				
Al	SITE PLAN & ASSMBLIES				
A2	DOOR SCHEDULE				
A3	WINDOW SCHEDULE				
A4	BASEMENT/FDN PLAN				
A5	GROUND FLOOR PLAN				
A6	SECOND FLOOR PLAN				
A٦	FRONT & REAR ELEV.				
A8	LEFT & RIGHT ELEV.				
A9	CROSS SECTION DETAILS				
AIØ	CONSTRUCTION NOTES				







## CONSTRUCTION ASSEMBLIES:

#### $\langle \mathbf{A} \rangle$ EXTERIOR MASONRY STONE WALL ASSEMBLY

- PAINT FINISH

- 3 1/2" MASONRY STONE VENEER C/W 1/8"X1"X0.03" GALVANIZED METAL TIES @ 16" HOR. AND 24" VERT.. WEEP HOLES @ 2'-1" C/W BASE AND THROUGH WALL FLASHING AS REQUIRED - 1" AIR SPACE - SBPOF WEATHER BARRIER, ALL JOINTS SEALED W/ TAPE - 2X6 STUD WALL @ 16" O/C C/W 6" FIBRE GLASS INSULATION (RIS) \$ 1" RIGID INSULATION (RS) - 6 MIL POLYETHYLENE VAPOUR BARRIER CONFORM TO CGSB 51.34 - 1/2" GYPSUM BOARD

- B EXTERIOR WALL ASSEMBLY @ CEMENT BOARD SIDING - HARDIE CEMENT BOARD SIDING AS PER MANUFACTURER
  - SBPOF WEATHER BARRIER, ALL JOINTS SEALED W/ TAPE - 7/16" O.S.B. SHEATHING
  - 2×6 STUD WALL @ 16" O/C C/W 6" FIBRE GLASS INSULATION (R22) - 6 ML POLYETHYLENE VAPOUR BARRIER CONFORM TO CG9B 51.34 - 1/2" GYPSUM BOARD- TAPED \$ SANDED - PAINT FINISH
- $\langle c \rangle$ EXTERIOR WALL ASSEMBLY @ PREFINISHED METAL PANEL - PREFINISHED LIGHT GAUGE METAL PANEL AS PER MANUFACTURER - SBPOF WEATHER BARRIER, ALL JOINTS SEALED W/ TAPE - 1/16" O.S.B. SHEATHING - 2×6 STUD WALL @ 16" O/C C/W 6" FIBRE GLASS INSULATION (R22) - 6 MIL POLYETHYLENE VAPOUR BARRIER CONFORM TO CGSB 51.34 - 1/2" GYPSUM BOARD - TAPED \$ SANDED - PAINT FINISH
- $\langle D \rangle$ 6" INTERIOR WALL @ GARAGE (OUTSIDE TO INSIDE) - PAINT FINISH - 1/2" GYPSUM BOARD - TAPED \$ SANDED - 2×6 STUD WALL @ 16" O/C C/W FIBER GLASS INSULATION (R22)
  - 6 MIL POLYETHYLENE VAPOUR BARRIER CONFORM TO CG9B 51.34 TYP. - 1/2" GYPSUM BOARD - TAPED \$ SANDED - PAINT FINISH

E	6" INTERIOR NON-LOAD BEARING WALL ASSEMBLY - PAINT FINISH - 1/2" GYPSUM BOARD - TAPED \$ SANDED - 2%6 STUD WALL @ 16" O/C - 1/2" GYPSUM BOARD - TAPED \$ SANDED - PAINT FINISH	
$\langle \mathbf{F} \rangle$	4" INTERIOR NON-LOAD BEARING WALL ASSEMBLY	
	- PAINT FINISH - 1/2" GYPSUM BOARD - TAPED \$ SANDED - 2×4 STUD WALL @ 16" O/C - 1/2" GYPSUM BOARD - TAPED \$ SANDED - PAINT FINISH	K
G	<ul> <li>10" FOUNDATION WALL ASSEMBLY @ EXTERIOR FDN WALLS</li> <li>AIR GAP MEMBRANE DRAINAGE LAYER</li> <li>CEMENT PARGING ABOVE GRADE TO MIN. 3" BELOW GRADE</li> <li>BELOW GRADE BITUMINOUS DAMPROOFING</li> <li>10" POURED CONCRETE WALL, 2-15M CONTINUOUS REBARS (W/ 16" LAPS) TOP</li> <li>BOTTOM ON 30"X10" CONTINUOUS STRIP FOOTING</li> <li>2-15M L-BARS (24"X24") T\$B OF ALL WALL CORNERS/JUNCTIONS</li> <li>15 LBS BUILDING PAPER FROM SLAB TO GRADE (WRAP AROUND 2X4 STUD WALL AT BOTTOM)</li> <li>4" RIGID INSULATION (R20)</li> <li>1/2" GYPSUM BOARD</li> <li>PAINT FINISH</li> </ul>	<u>\</u>
$\langle H \rangle$	8" FOUNDATION WALL ASSEMBLY @ EXTERIOR FDN WALLS - AIR GAP MEMBRANE DRAINAGE LAYER - CEMENT PARGING ABOVE GRADE TO MIN. 3" BELOW GRADE - BELOW GRADE BITUMINOUS DAMPROOFING - 8" POURED CONCRETE WALL, 2-I5M CONTINUOUS REBARS (W/ 16" LAPS) TOP \$ BOTTOM ON 30"X10" CONTINUOUS STRIP FOOTING	۲

- 2-15M L-BARS (24"×24") T\$B OF ALL WALL CORNERS/JUNCTIONS - 15 LBS BUILDING PAPER FROM SLAB TO GRADE (WRAP AROUND 2X4 STUD
- WALL AT BOTTOM)
- 4" RIGID INGULATI*O*N (R20) - 1/2" GYPSUM BOARD - PAINT FINISH

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## 10" FOUNDATION WALL ASSEMBLY @ GARAGE FDN WALL

- 10" POURED CONCRETE WALL, 2-15M CONTINUOUS REBARS (W/ 16" LAPS) TOP \$ BOTTOM ON 30"X10" CONTINUOUS STRIP FOOTING - 2-15M L-BARS (24"X24") T\$B OF ALL WALL CORNERS/JUNCTIONS

## 8" FOUNDATION WALL ASSEMBLY @ PORCH \$ GARAGE

- 8" POURED CONCRETE WALL, 2-15M CONTINUOUS REBARS (W/ 16" LAPS) TOP \$ BOTTOM ON 24"X8" CONTINUOUS STRIP FOOTING - 2-15M L-BARS (24" $\times$ 24") T\$B OF ALL WALL CORNERS/JUNCTIONS

### BASEMENT/GARAGE CONCRETE SLAB CONSTRUCTION

- 4" POURED CONCRETE SLAB, SEALED, MINIMUM STRENGTH 20 MPA -BROOM FINISH - 6 MIL POLYETHYLENE VAPOUR BARRIER CONFORM TO CG9B 51.34 TYP. - 2" RIGID INSULATION (MIN RIØ) - 8" CRUSHED STONE COMPACTED TO 95 MPD

### PORCH CONCRETE SLAB CONSTRUCTION

- 4" POURED CONCRETE SLAB, SEALED, MIN. STRENGTH 20 MPA CURED AFTER 28 DAYS W/ 1% AIR ENTRAINMENT C/W WIRE MESH REINFORCEMENT. FLOOR TO SLOPE 1/8" FOR EVERY FOOT AWAY FROM HOUSE - BROOM FINISH - IOM REBAR @ 10" O/C EACH WAY \$ IOM DOWELLS @ 16" O/C FROM WALL
- TO ALL SIDES - 8" CRUSHED STONE COMPACTED TO 95 MPD - COMPACTED SAND FILL
- UNDISTURBED SOIL

- UNDISTURBED SOIL

### PRE-ENGINEERED FLOOR ASSEMBLY (TYP.)

- FINISH FLOOR (NOT SHOWN) - 5/8" T\$G OSB SUBFLOOR NAILED, TACKED, GLUED \$ SCREWED
- 14" PRE-ENGINEERED OPEN WEB FLOOR JOIST @ 16" O.C. AS PER MANUF. - 1X3 STRAPPING @ 16" O/C - IF INSTALLING GYPSUM BOARD - 1/2" GYPSUM BOARD - TAPED \$ SANDED (WHEN REQUIRED) - PAINT FINISH (WHEN REQUIRED)

- NEW 30 YR SHINGLES ICE \$ WATER SHIELD 60" FROM EDGES 3/4" ASPENITE SHEATHING
- PRE-ENGINEERED ROOF TRUSSES AS PER MANUFACTURER @ 24" O.C. FIBRE GLASS INSULATION OR EQ. W/ 6MIL POLY. V.B. ON WARM SIDE OF INSULATION (R60 MIN) - 1"×3" STRAPPING @ 16" O.C.

PRE-ENGINEERED ROOF TRUSS ASSEMBLY @ INSULATED SPACES

- 1/2" GYPSUM BOARD TAPED \$ SANDED - PAINT FINISH
- $\langle o \rangle$ BUILT-UP FLAT PRE-ENG. ROOF @ GARAGE

 $\langle N \rangle$ 

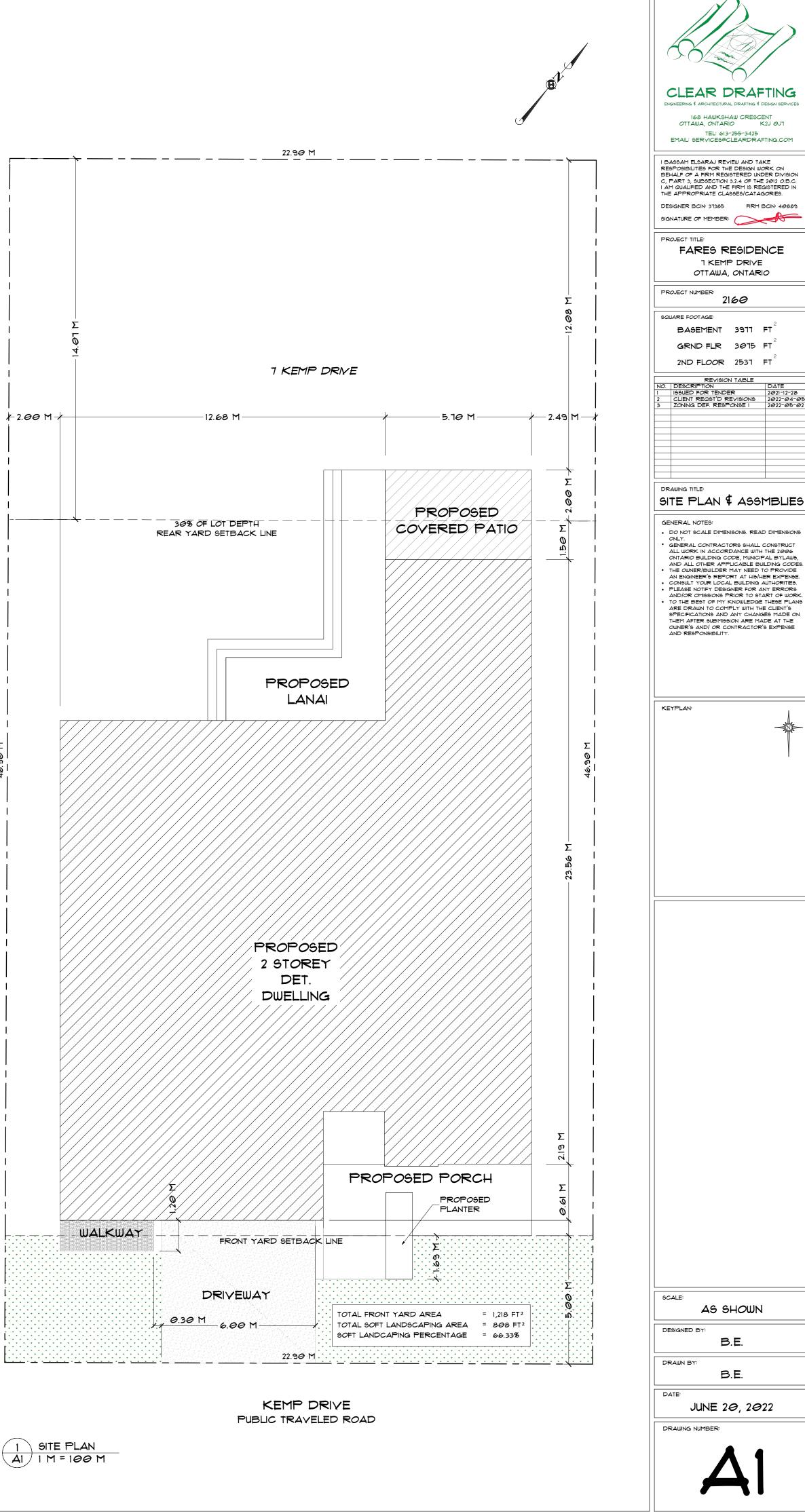
- PREFINISHED GALV. METAL FLASHING - FIRESTONE MODIFIED BITUMINOUS WATERPROOF MEMBRANE AS PER MANUFACTURER
- 5/8" OSB SHEATHING
- 2"×4" BUILT-UP SLOPING JOISTS @ 16" O/C FOR SLOPE 2"×10" P.T. ROOF JOISTS @ 16" O/C - FIBRE GLASS INSULATION OR EQ. W/ 6MIL POLY. V.B. ON WARM SIDE OF INSULATION (R31 MIN) AT ABOVE GARAGE ONLY - 1"×3" WOOD STRAPPING @ 16" O/C
- PREFINISHED METAL SOFFIT

#### $\langle \mathbf{P} \rangle$ EXTERIOR MASONRY STONE WALL ASSEMBLY @ PATIO PRIVACY WALL - 3 1/2" MASONRY STONE VENEER C/W 1/8"×1"×0.03" GALVANIZED METAL TIES @ 16" HOR. AND 24" VERT.. WEEP HOLES @ 2'-1" C/W BASE AND THROUGH WALL FLASHING AS REQUIRED

- 1" AIR SPACE - 2×6 STUD WALL @ 16" O/C
- 1" AIR SPACE - 3 1/2" MASONRY STONE VENEER C/W 1/8"×1"×0.03" GALVANIZED METAL TIES @ 16" HOR. AND 24" VERT.. WEEP HOLES @ 2'-1" C/W BASE AND THROUGH WALL FLASHING: AS REQUIRED

#### $\langle \mathbf{a} \rangle$ 12" FOUNDATION WALL ASSEMBLY @ GARAGE FDN WALL

- 12" POURED CONCRETE WALL, 2-15M CONTINUOUS REBARS (W/ 16" LAPS) TOP  $\$  BOTTOM ON 30"X10" CONTINUOUS STRIP FOOTING - 2-15M L-BARS (24"×24") T\$B OF ALL WALL CORNERS/JUNCTIONS



	QTY FLOOR WIDTH	HEIGHT R/O		3D EXTERIOR ELEVATION	NUMBER QTY	FLOOR				ROOM NAME	3D EXTERIOR ELEVATION	NUMBER	QTY FLOC		HEIGHT	RIO			3D EXTERIOR ELEVATION
DØI	1 1 60 "	96 " 62"×98"	DOUBLE HINGED- PANEL MUD RM/CLOSET		DI6 I		30" 80"		HINGED-PANEL	BEDR <i>OO</i> M 2/HALL			1 2	24 ″	80 "	26"×82"	HINGED-PANEL	W.I.C./BEDR <i>OO</i> M 4	
DØ2	1 1 30 "	36 " 32″×38″	HINGED-PANEL UNSPECIFIED/BATH	н	ו רוס	2	60 " 80 "	62"×82"	DOUBLE HINGED- PANEL	MASTER BDRM/HALL		D32	1 2	60 "	80 "	62"×82"	EXT. 9LIDER-GLA99 PANEL	MASTER BDRM/ BALCONY	
DØ3	1 1 72 "	98 " 73"×99 1/2"	MULLED UNIT-LHL/RHR HALL/PORCH		D18 1	2	28 " 80 "	3 <i>0</i> "×82"	HINGED-PANEL			D33	1 1	144 "	104 "	145"×1 <i>0</i> 5 1/2"	MULLED UNIT-LHL/RH	IL DINING	
DØ4	1 1 108 "	118 " 109"×119 1/2"	MULLED UNIT-LHL/RHR GARAGE		ו פוס	2	30" 80"	32"×82"	HINGED-PANEL	ENGUITE/BEDROOM 2		D34	1 1	144 "	104 "	145"×1 <i>0</i> 5 1/2"	MULLED UNIT-LHL/RH	IL LOUNGE	
DØ5	1 1 36 "	96 " 38"×98"	HINGED-PANEL LOUNGE/KITCHEN		D2Ø I	2	30" 80"	32"×82"	HINGED-PANEL	LAUNDRY/HALL		D35	1 1	30 "	96 "	32"×98"	HINGED-PANEL	PDR RM/HALL	
Dø6	1 1 192 "	118 " 193 <sup>*</sup> ×119 1/2"	MULLED UNIT-LHL/RHR GARAGE		D21 1	2	30 " 80 "	32"×82"	HINGED-PANEL			D36	1 2	30 "	80 "	32"×82"	HINGED-PANEL	BEDR <i>OO</i> M 4/HALL	
DØ1	1 1 36"	8 <i>0</i> " 38"×82"	EXT. HINGED-SLAB GARAGE		D22 I	1	36 " 104 "	37"×1 <i>0</i> 5 1/2"	MULLED UNIT-LHL/RH	NGPECIFIED/ COVERED PATIO		D31	1 0	36 "	80 "	38"×82"	HINGED-PANEL	PLAY RM/UTILITY	
DØ8	1 1 36"	<i>€</i> 38″×98″	EXT. HINGED-3 PANEL GARAGE/MUD RM		D23 I	1	30 " 96 "	32"×98"	HINGED-PANEL	ENUITE/GUEST ROOM		D40	1 0	32 "	80 "	34"×82"	HINGED-PANEL	PLAY RM/THEATRE	
DØ3	1 1 60 "	96 " 62"×98"	DOUBLE HINGED- PANEL CLOSET/HALL		D24 I	1	30" 96"	32"×98"	HINGED-PANEL	GUEST ROOM/HALL		D41	1 0	28 "	80 "	3 <i>0</i> "×82"	HINGED-PANEL	BATH/PLAY RM	
DIØ	1 1 30 "	96 " 62"×98"	POCKET-PANEL GUEST ROOM/W.I.C		D25 I	0	32 " 80 "	34"×82"	HINGED-PANEL	PLAY RM/GYM		D42	1 0	30 "	80 "	32"×82"	HINGED-PANEL	PLAY RM/REC RM	
ווס	1 1 36 "	1 <i>0</i> 4 ″ 37″×1 <i>0</i> 5 1/2″	MULLED UNIT-LHL/RHR UNSPECIFIED		D26 I	2	30 " 80 "	32"×82"	HINGED-PANEL	HER'S/MASTER BDRM		D43	1 0	59 "	80 "	61"×82"	DOUBLE HINGED- PANEL	PLAY RM/STORAGE	
DI2	1 2 28"	80 " 30"×82"	HINGED-PANEL W.I.C./BEDROOM 2		D21 I	2	30 " 80 "	32"×82"	HINGED-PANEL	MASTER BATH/ MASTER BDRM		D44	1 0	60 "	80 "	62"×82"	DOUBLE HINGED- GLASS PANEL	PLAY RM/THEATRE	
DI3	1 2 30 "	8 <i>0</i> " 62"×82"	POCKET-PANEL BEDROOM 3/BATH		D28 I	2	30 " 80 "	32"×82"	HINGED-PANEL	BEDROOM 3/HALL		D41	1 1	30 "	96 "	32"×98"	HINGED-PANEL	PANTRY/SERVERY	
D14	1 2 59"	8 <i>0</i> " 61"×82"	DOUBLE HINGED- PANEL		D29 I	2	27 " 80 "	23"×82"	HINGED-PANEL	HIS/MASTER BORM									
DI5	1 2 24"	8 <i>0</i> " 26"×82"	HINGED-PANEL W.I.C./BEDROOM 3		D30 I	2	30 " 80 "	62"×82"	POCKET-PANEL	BATH/BEDROOM 4									

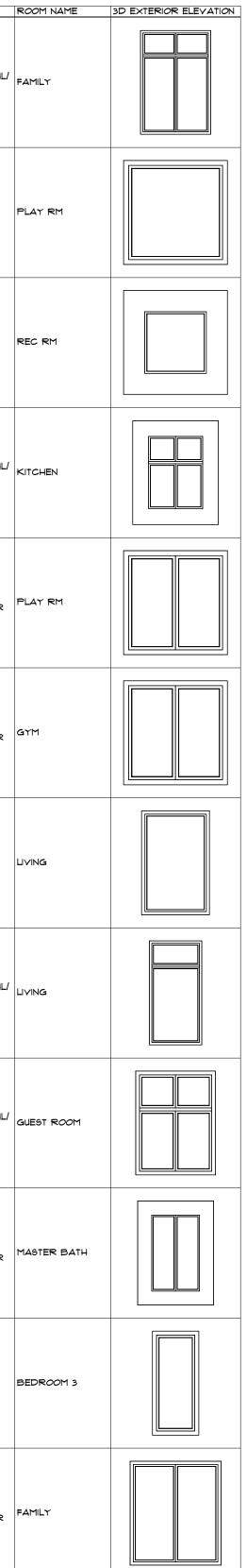
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Committee of Adjustment Received | Reçu le 2025-01-07 City of Ottawa | Ville d'Ottawa Comité de dérogation

## WINDOW SCHEDULE:

NUMBER	<u>∩</u> †~		UIIDTU	HEIGHT	R/O	DESCRIPTION	ROOM NAME	3D EXTERIOR ELEVATION	1	NUMBER	<u>∩</u> †~		11110-1-1-1	HEIGHT	R/0		F
			116 "		117"×41 1/2"		LAUNDRY			WIG	1		66 "			MULLED UNIT-LHL/	
WØ2	1	2	ד2 "	40 "	73"×41 1/2"	FIXED GLASS	OPEN BELOW			רוש	2	Ø	48 "	48 "	49"×49 1/2"	FIXED GLASS	f
WØ3	1	2	150 "	40 "	151"×41 1/2"	MULLED UNIT-LHL/ RHR	LOFT			WIB	1	Ø	48 "	48 "	49"×49 1/2"	SINGLE AWNING	1
WØ4	1	2	36 "	40 "	31"×4I 1/2"	FIXED GLASS	LOFT			MIÐ	1	1	48 "	64 "	49"×65 1/2"	MULLED UNIT-LHL/ RHL	
WØÐ	1	2	126 "	76 "	ו רד×"ד1/2″	MULLED UNIT-LHL/ RHR	OPEN BELOW			W2Ø	1	0	48 "	48 "	49"×49 1/2"	DOUBLE CASEMENT-RHR	i
W06	1	2	48 "	76 "	49″×11 ו/2″	MULLED UNIT-LHL/ RHL	OPEN BELOW			W21	1	0	48 "	48 "	43"×43 1/2"	DOUBLE CASEMENT-RHR	
WOT	1	1	48 "	22 "	49"×23 1/2"	FIXED GLASS	LIVING			W22	1	1	48 "	76 "	49″×11 ו/2"	FIXED GLASS	1
WØB	1	1	126 "	100 "	127"×1 <i>0</i> 1 1/2"	MULLED UNIT-LHL/ RHR	LIVING/PORCH			W24	1	1	48 "	100 "	43″×I <i>Ø</i> I 1/2″	MULLED UNIT-LHL/ RHL	]
WOB	1	2	48 "	76 "	49″×11 וויד	MULLED UNIT-LHL/ RHL	BEDROOM 2			W25	1	1	48 "	64 "	49"×65 1/2"	MULLED UNIT-LHL/ RHL	
WI <i>Ø</i>	2	2	30 "	76 "	3ו"×זו ו/2"	9INGLE CA9EMENT-HR	BEDROOM 4		_	W26	1	2	48 "	76 "	49 <sup>"</sup> איז ו/2"	DOUBLE CASEMENT-RHR	
WΠ	1	2	36 "	76 "	31″×11/2"	9INGLE CASEMENT-HR	MASTER BORM		-	W3Ø	2	2	24 "	60 "	25"×61 1/2"	SINGLE CASEMENT-HR	1
WI2	1	1	30 "	64 "	31"×65 1/2"	MULLED UNIT-LHL/ RHL	ENUITE			W3I	1	1	66 "	76 "	6ט"×1ין אין	DOUBLE CASEMENT-RHR	:
WI 3	1	2	66 "	76 <sup>4</sup>	6ט"×ט ו/2"	DOUBLE CASEMENT-RHR	BEDROOM 4										
WI 4	3	1	30 "	100 "	31"×1 <i>0</i> 1 1/2"	MULLED UNIT-LHL/ RHR	FAMILY										
WIB	1	2	16 "	36 "	ו דניא״רו ו/2″	FIXED GLASS	ВАТН										

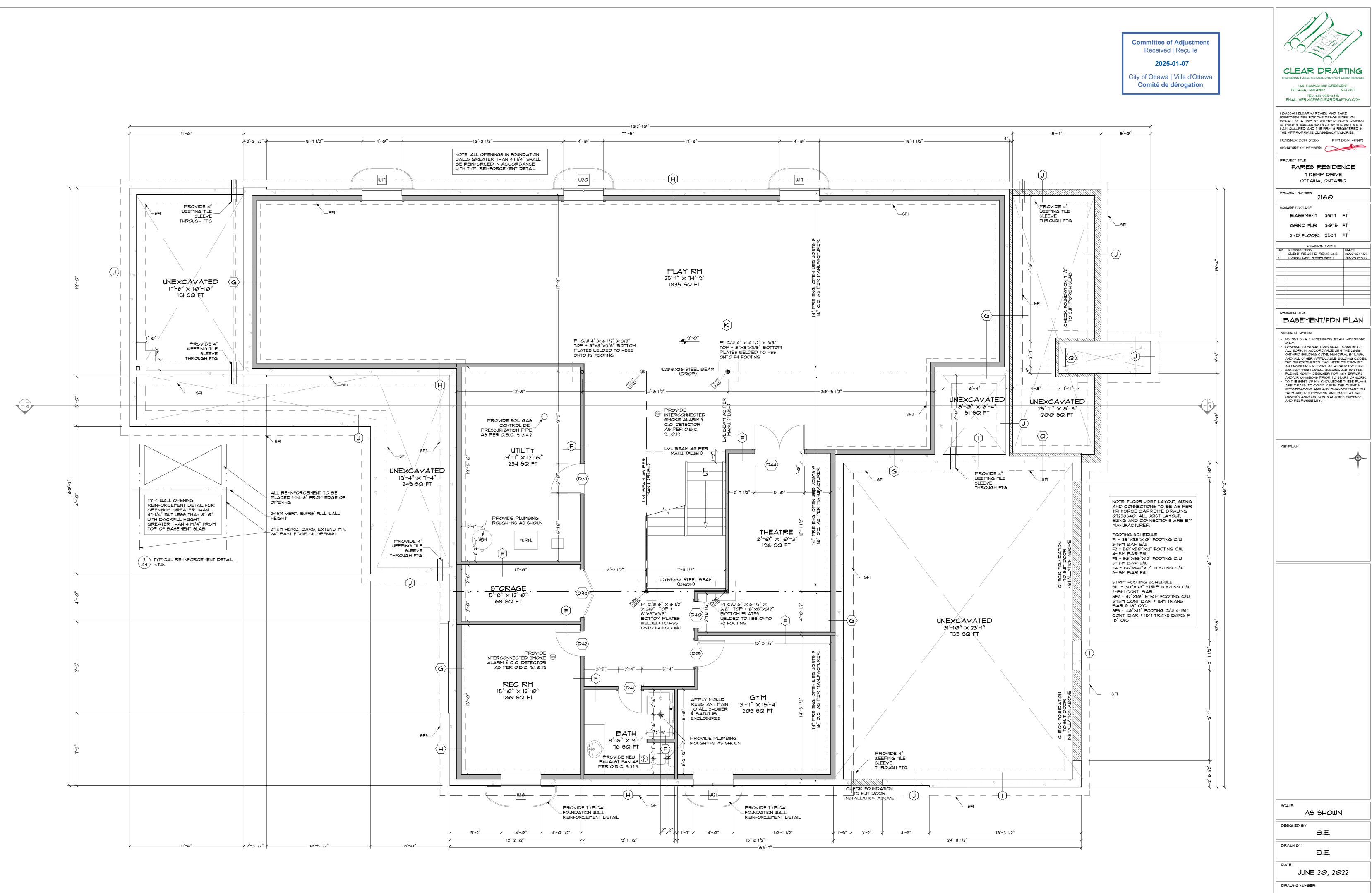


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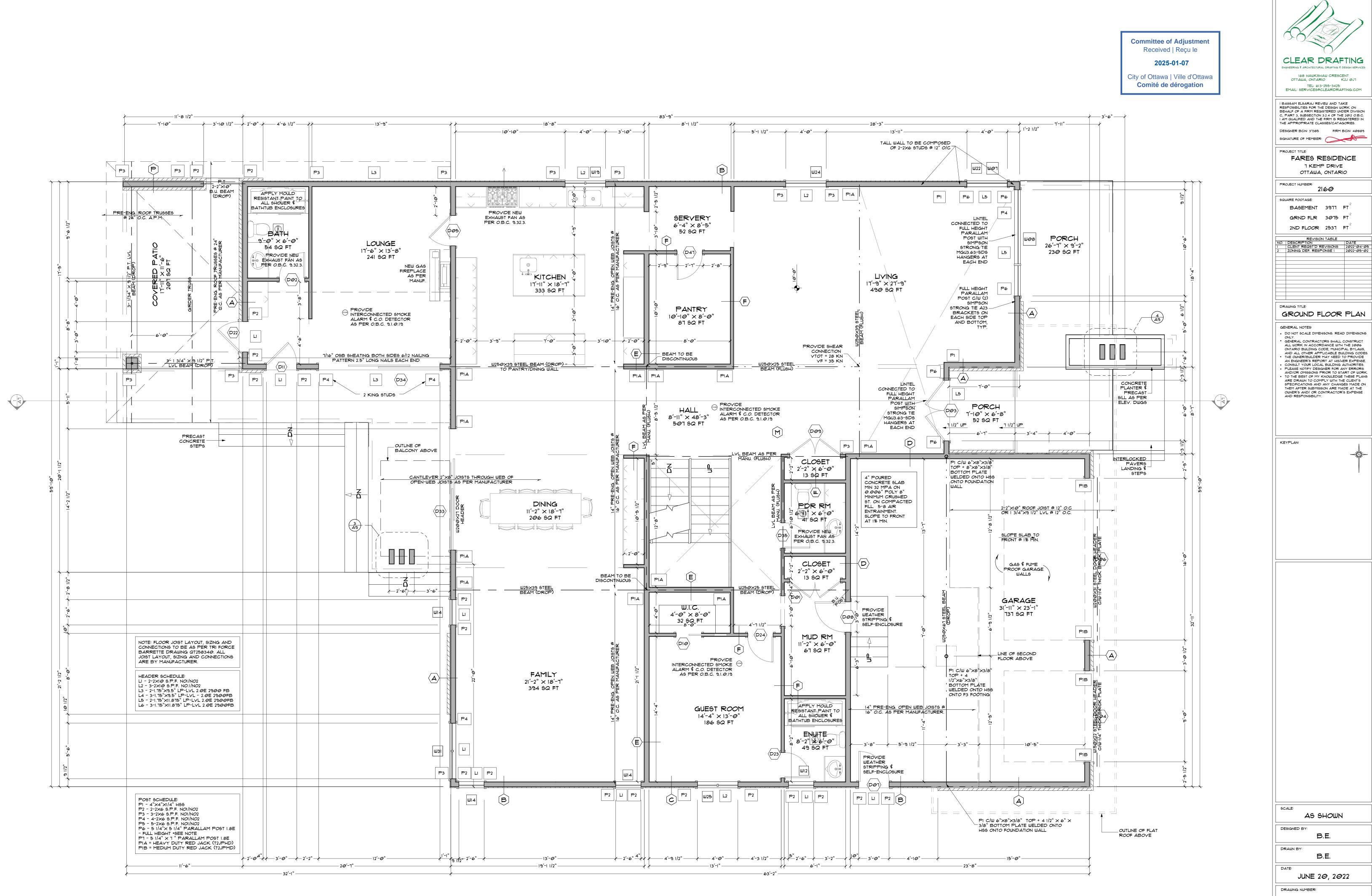
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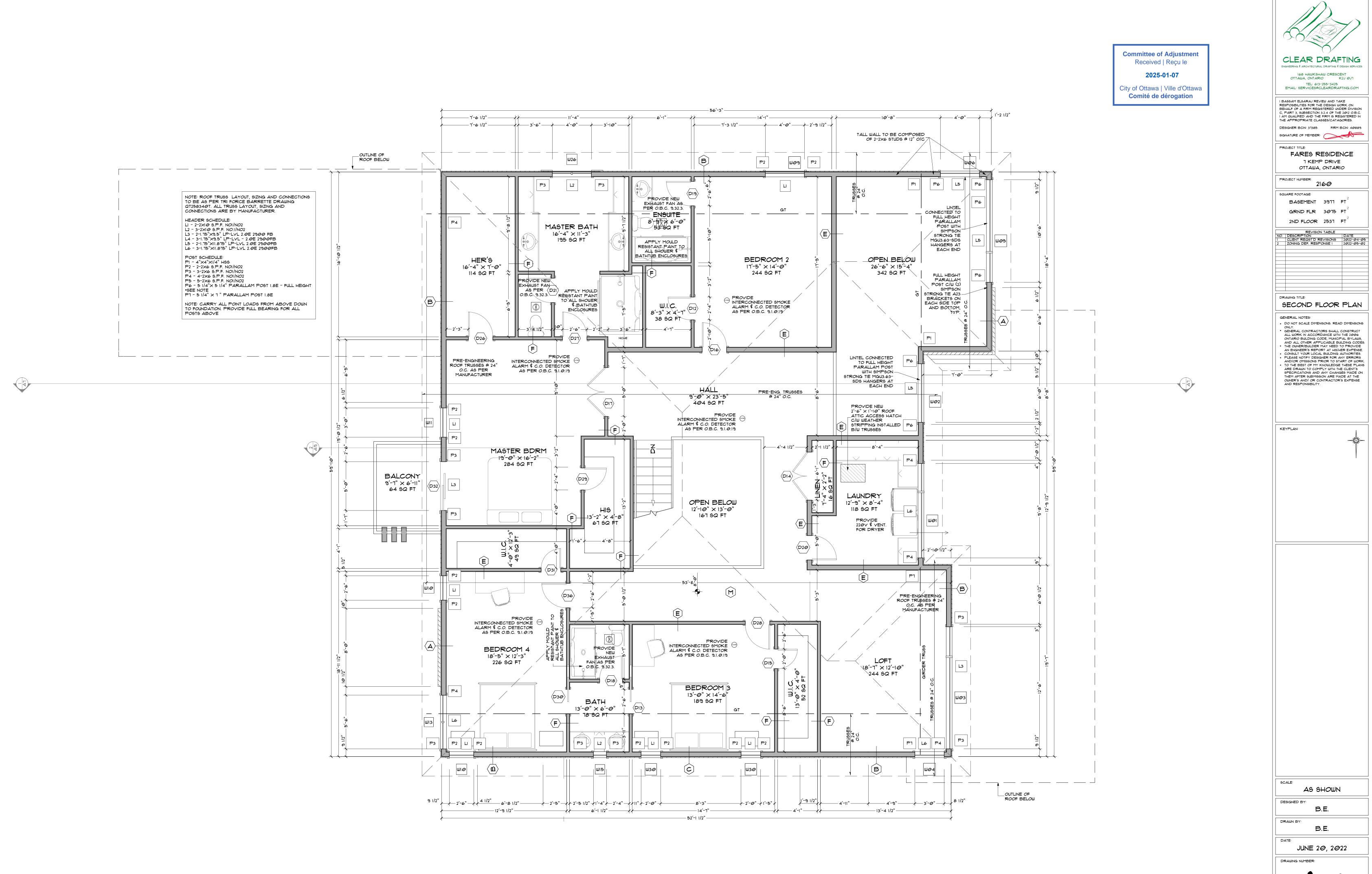
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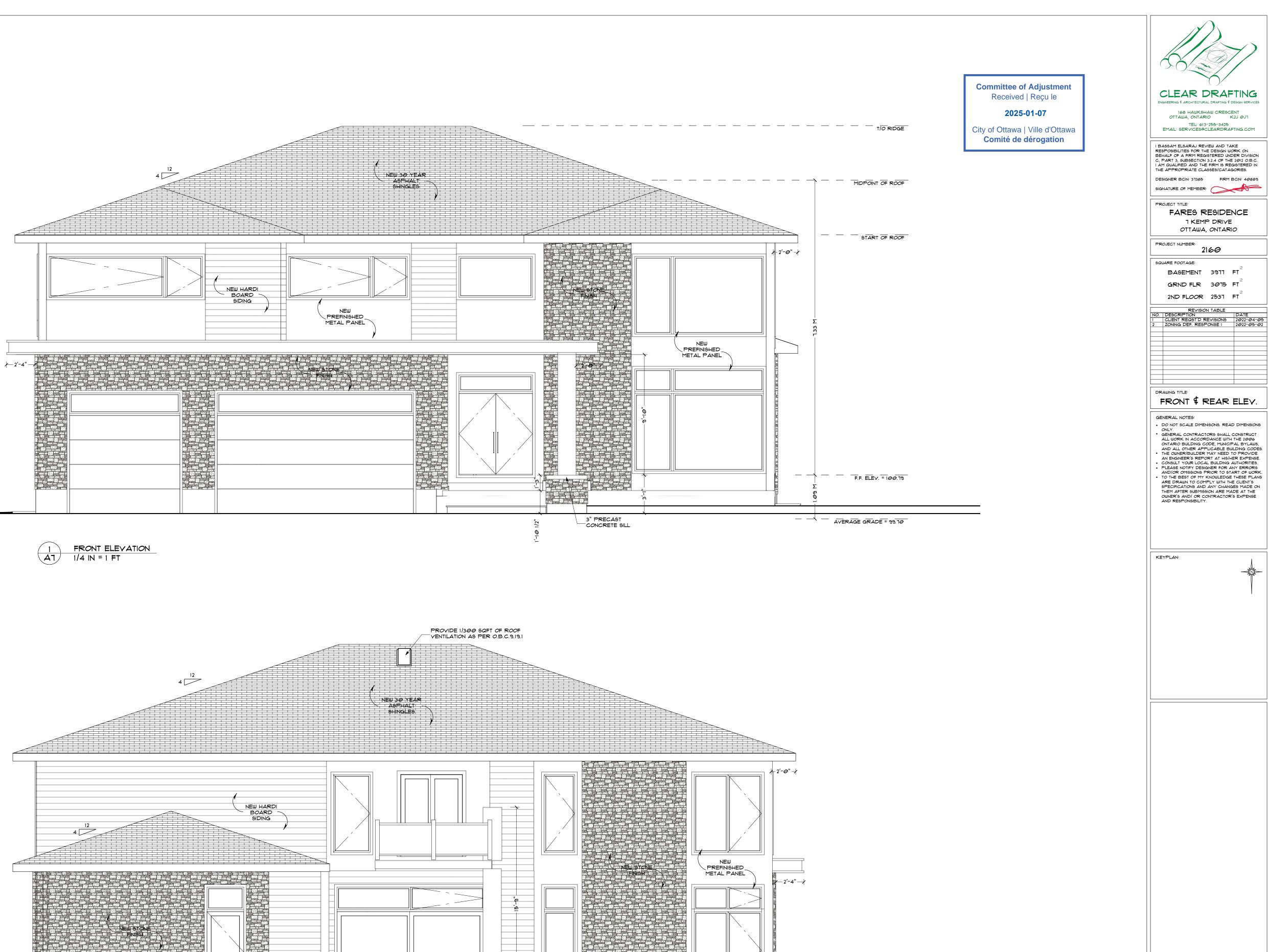


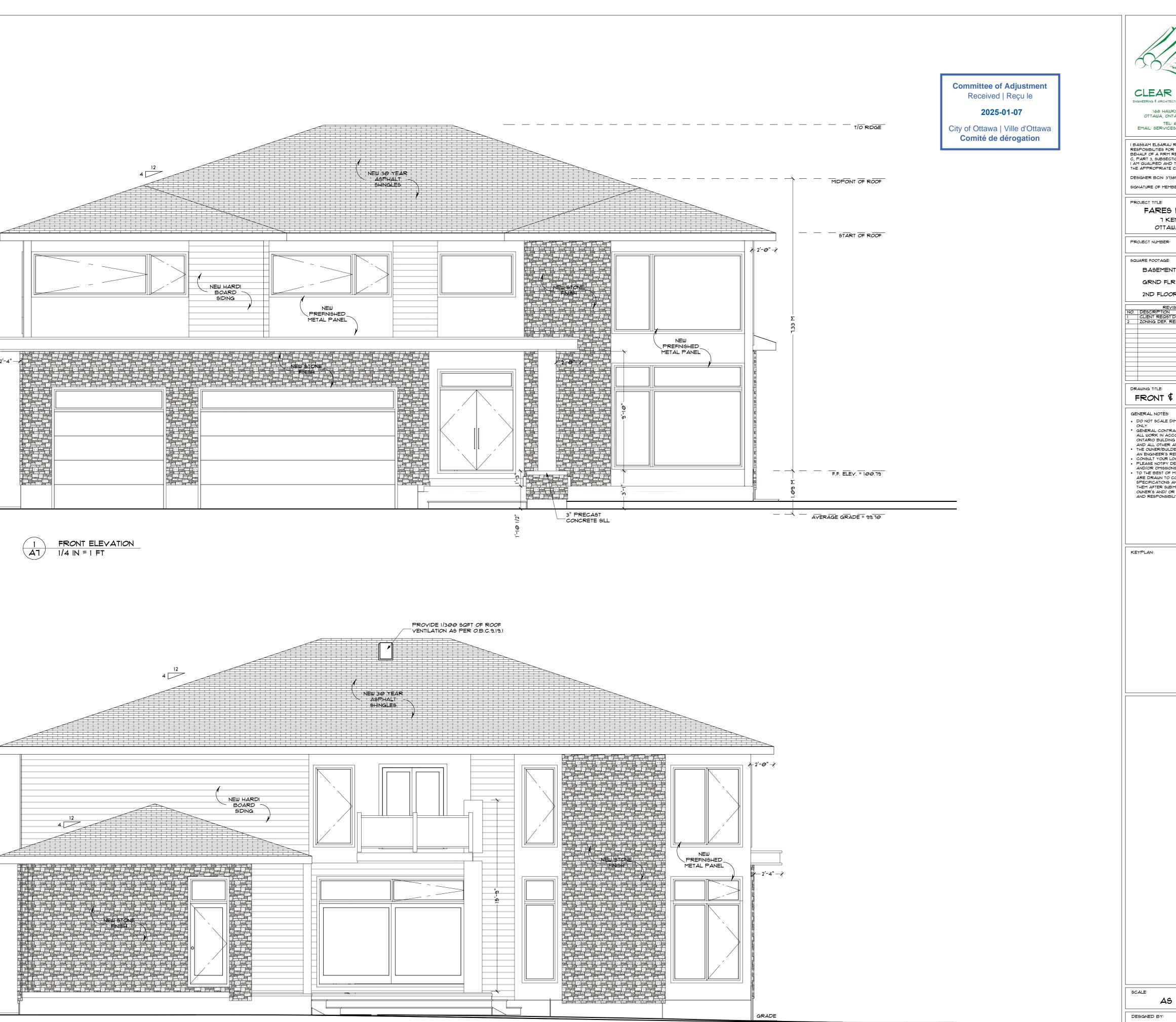






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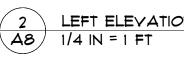
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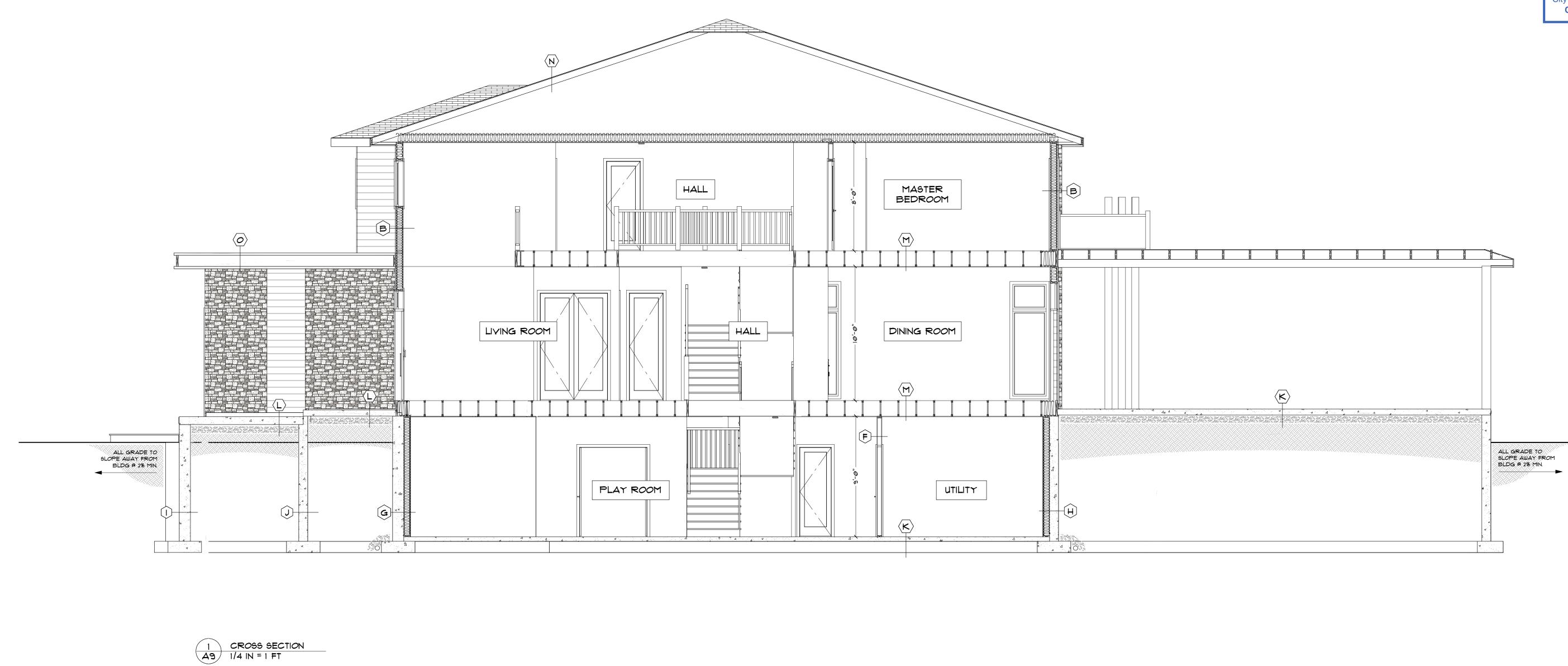


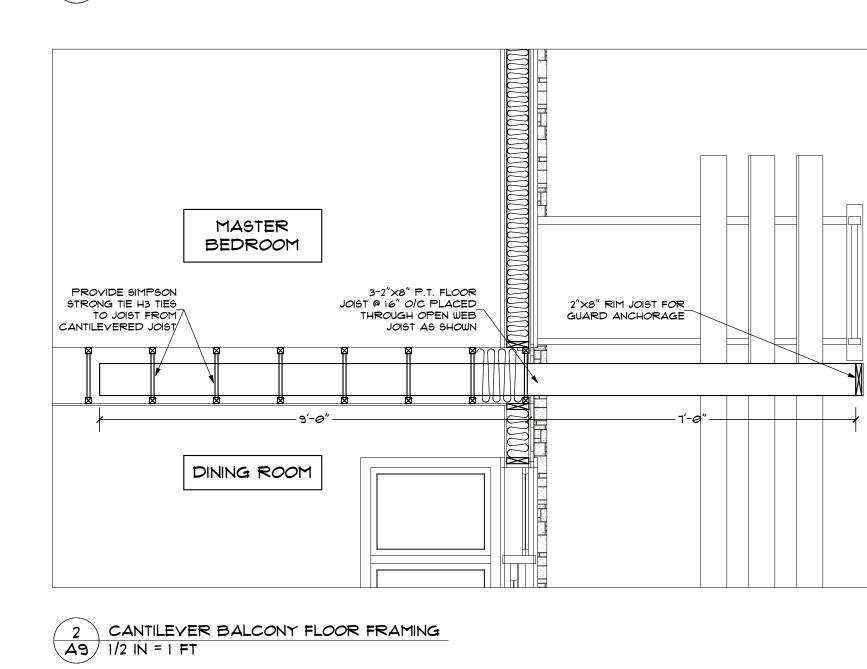


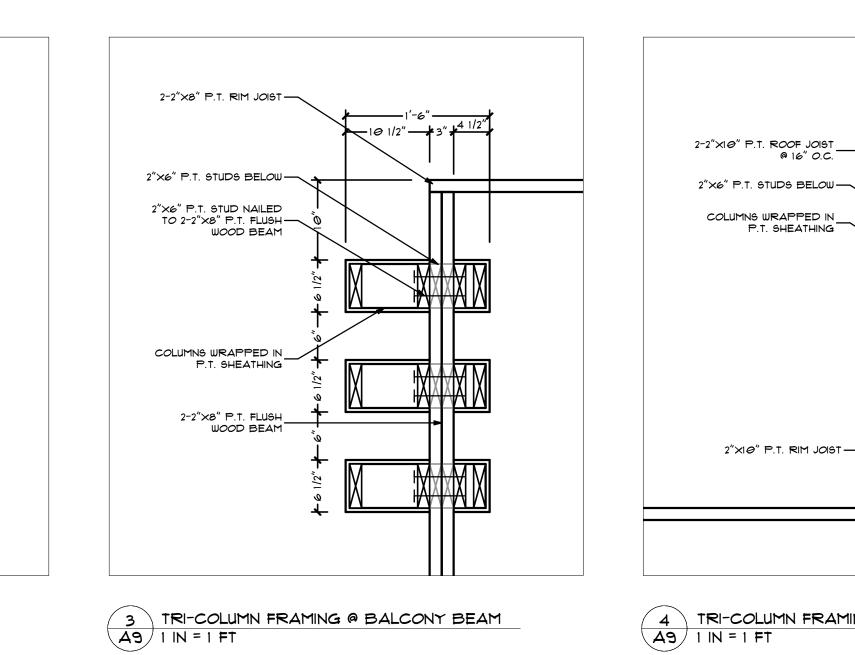


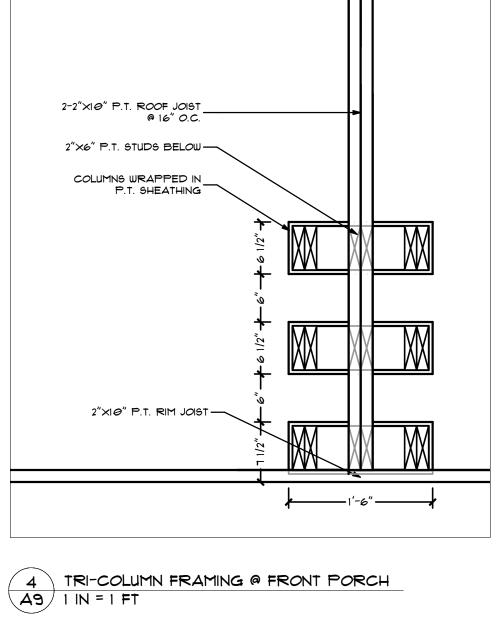


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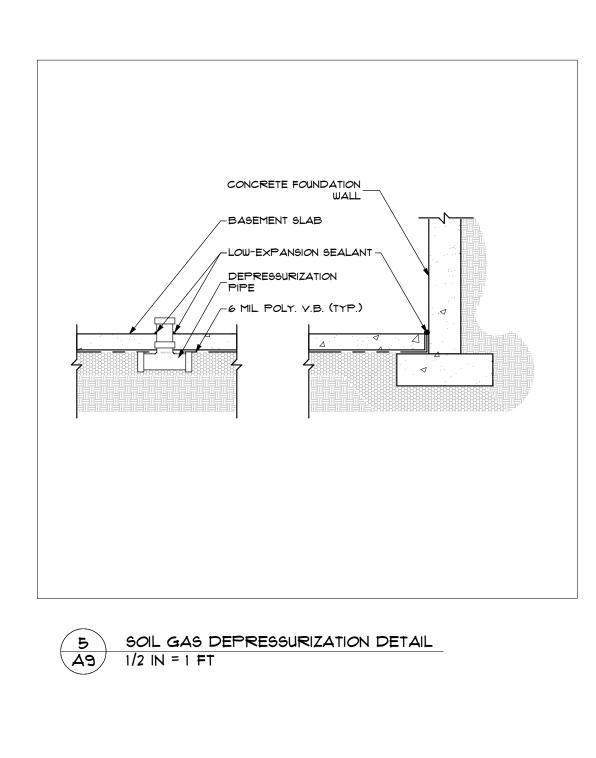












ENGINEERING & ARCHITECTURAL DRAFTING & DEBIGN BERVICES
OTTAWA, ONTARIO K2J ØJ1 TEL: 613-255-3425 EMAIL: SERVICES@CLEARDRAFTING.COM
I BASSAM ELSARAJ REVIEW AND TAKE
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FARES RESIDENCE
OTTAWA, ONTARIO
PROJECT NUMBER: 2160
BASEMENT 3917 FT
$\begin{array}{l} \mathbf{GRND} \ \mathbf{FLR}  3015  \mathbf{FT}^2 \\ \mathbf{2ND} \ \mathbf{FLOOR}  2531  \mathbf{FT}^2 \end{array}$
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SCALE: AS SHOWN
DESIGNED BY: <b>B.E.</b>
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B.E.
JUNE 20, 2022
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## CONSTRUCTION NOTES:

#### FOOTING \$ SLABS

- 1. CONCRETE FOOTINGS TO REST ON UNDISTURBED SOIL CAPABLE OF SUSTAINING A LOAD OF 15 KPA, (5'-0") BELOW GRADE.
- 2. FOOTINGS TO CONFORM TO O.B.C. SECTION 9.15
- 3. CONCRETE SLABS ON EARTH LOCATED BELOW GRADE TO BE 15MM (3") THICK. 4. CONCRETE SLABS ON EARTH LOCATED @ GRADE TO BE 15MM (4") THICK.
- 5. MIN. STRENGTH FOR GARAGE SLABS AND ALL EXTERIOR FLAT WORK TO BE 32MPA (4650 PSI)@ 28 DAYS CURING WITH 5-8 AIR ENTRAINMENT.
- 6. MINIMUM STRENGTH FOR OTHER SLABS 20MPA AT 28 DAYS CURING.
- PROVIDE AS INDICATED ON THE PLANS A 100MM (4") WEEPING TILE/FILTERED CLOTH C/W 150MM (6") MINIMUM STONE COVER.

#### CONCRETE FOUNDATION WALLS

- 1. FOR BASEMENT WINDOWS OVER 1220MM (4'-0") WIDE, REINFORCE WITH 10M REINFORCEMENT RODS EXTENDING 300MM (12") EACH SIDE.
- 2. SEAL EXTERIOR JOINTS BETWEEN FOUNDATION WALLS AND FOOTINGS, CONCRETE FLOOR SLAB, D FOUNDATION WITH SEALING COMPOUND
- 3. APPLY BITUMINOUS DAMP PROOFING ON EXTERIOR FACE OF CONCRETE FOUNDATION WALL WITH 100MM (4") FREE DRAINING BACKFILL (GRANULAR 'B') OR EQUIVALENT.
- 4. CONCRETE WALLS TO BE 254MM (10") THICK UNLESS OTHERWISE NOTED.
- 5. TOP OF ALL FOUNDATION WALLS TO BE MINIMUM 150MM (6") ABOVE FINAL GRADE.
- 6. DAMPROOFING COURSE TO BE PLACED BETWEEN CONTACT OF WOOD \$ CONCRETE.
- 1. MINIMUM STRENGTH FOR WALLS TO BE MINIMUM 20MPA (2300 PSI) AT 28 DAYS CURING. 8. FOUNDATION WALLS SHOULD NOT BE BACKFILLED UNTIL CONCRETE HAS REACHED ITS SPECIFIED
- 28 DAYS STRAIGHT \$ STRUCTURAL FLOOR FRAMING (INCLUDING PLYWOOD SUBFLOOR) REQUIRED TO STABILIZE THE WALLS IS COMPLETE AND FULLY NAILED \$ ANCHORED.
- 9. STEEL, TIMBER, \$ BUILT-UP TIMBER COLUMNS FROM ALL LEVELS SHALL BE CARRIED DOWN TO THE FOUNDATION OR TO SUPPORTING BEAMS. PROVIDE BLOCKING WHERE REQUIRED, STEEL COLUMN PLATES TO BE ANCHORED TO FOOTINGS AND BEAM FLANGES.

#### WOOD FRAMING

- 1. ALL FRAMING LUMBER MUST CONFORM TO O.B.C. STRANDARDS OF SIZES FOR JOISTS, LINTELS, BEAMS, ETC... AS INDICATED ON PLANS UNLESS OTHERWISE NOTED. 2. ALL WINDOW LINTELS TO BE 2-2×10 UNLESS OTHERWISE NOTED.
- 3. ALL LUMBER TO BE 9PF #2 OR BETTER, LUMBER EXPOSED TO THE EXTERIOR TO BE 9PF #2 OR BETTER, PRESSURE TREATED UNLESS OTHERWISE NOTED.
- 4. BEAMS TO HAVE A COLLECTIVE BEARING SIZE OF 83MM (3 1/2") BEARING SIZE. MINIMUM BEARING SIZE FOR LVLS (NORDIC LAM OR EQUIVELANT) TO BE 1 3/4". 5. LATERAL SUPPORT (WALLS SUPPORTING JOISTS): ANCHOR SILL PLATE @ 2400MM (8'- $\theta$ ") O.C. WITH 13MM (1/2") DIAMETER ANCHOR BOLTS EMBEDDED 100MM (4") INTO CONCRETE OR ANCHORED EVERY 4TH JOIST NOT RESTING ON A PLATE WITH A 4.8MM × 38MM (3/16 × 1 1/2") STEEL JOIST ANCHORS N.B.
- 6. LATERAL SUPPORT (WALLS PARALLEL TO JOISTS): BEND 4.8MM × 38MM (3/16 × 1 1/2") STEEL TRAP 15MM (3") INTO CONCRETE \$ FIX TO 3 PARALLEL JOISTS OR FIX TO SILL PLATE (ANCHORED) TO 3 RIGIDLY CONNECTED FLOOR JOISTS @ A MAXIMUM 2030MM (6'-8") O.C.
- 1. ALL TRADITIONAL LUMBER \$ WOOD-1 JOISTS TO HAVE BLOCKING OVER INTERIOR LOAD BEARING WALLS AND BEAMS. OPEN-WEB JOIST 12'-0" AND OVER TO HAVE CONTINOUS STRONGBACK THROUGH CHASE OPENING (IF POSSIBLE).
- 3. PROVIDE BLOCKING BETWEEN WOOD-I JOISTS OR CROSS-BRIDGING BETWEEN TRADITIONAL LUMBER FLOOR JOISTS WHEN NECESSARY (AS PER FLOOR JOIST MANUFACTURER LAYOUTS). 10. ALL BEAMS TO BE FLUSH OR DROPPED AS NOTED.
- 11. HEADER LUMBER JOISTS OVER OPENINGS TO BE DOUBLED IF OPENING IS OVER 4'-0".
- 12. ALL LYLS OVER WINDOWS, DOORS, AND ALL OTHER OPENINGS INDICATED ARE TO BE PROPERLY SIZED BY FLOOR MANUFACTURER ACCORDING TO LOAD APPLIED.
- 13. TRIMMER JOISTS TO BE DOUBLED IF OVER 800MM (2'-8").
- 14. DOUBLE ALL JOISTS UNDER PARALLEL PARTITIONS. 15. MIN. 1 3/4" END BEARING SUPPORT FOR JOISTS, TRUSSES, \$ RAFTERS.
- 16. PROVIDE HANGERS FOR ALL JOISTS TO SUPPORT JOIST FRAMING INTO SIDES OF BEAMS, TRIMMERS, HEADERS, \$ ALL OTHER JOISTS FLUSH @ LEVEL OF HANGING JOISTS.
- 11. WOOD STUD PARTITION TO BE MADE OF 38MM X 89MM (2" X 4") 9PR 400 @ 400MM (16") O.C. 38MM X 89MM (2" X 4") TOP AND BOTTOM PLATES. DOUBLE TOP STUDS AROUND OPENINGS \$ TRIPLE STUDS IN CORNERS IN BEARING STUD PARTITIONS.
- 18. PROVIDE SOLID BLOCKING BEHIND TOWEL BARS, RODS, ETC ...
- 19. PROVIDE DOUBLE STUDS ON EACH END OF WALL OPENINGS.

### ELECTRICAL SPECIFICATIONS

I. ELECTRICAL INSTALLATIONS INCLUDE THE NUMBER OF DISTRIBUTION PANELS, ELECTRICAL FIXTURES AND OUTLETS SHALL MEET THE REQUIREMENTS OF THE APPROPRIATE PROVINCIAL CODE AND ONTARIO HYDRO. ALL WIRING SHALL BE COPPER. 2. PROVIDE ELECTRICAL CONNECTIONS FOR DISHWASHER, CLOTHES WASHER, \$ DRYER.

#### MECHANICAL SPECIFICATIONS

1. MECHANICAL VENTILATIONS IS REQUIRED TO PROVIDE 0.3 AIR CHANGES PER HOUR AVERAGED OVER 24 HOURS, SEE MECHANICAL DRAWINGS. 2. MECHANICAL EXHAUST FANS, VENTED TO EXTERIOR TO PROVIDE AT LEAST 1 AIR CHANGE/HR. 3. MECHANICAL VENTILATION SHALL CONFORM TO O.B.C. 9.32.

#### PLUMBING SPECIFICATIONS

1. PROVIDE AND INSTALL PLUMBING  $\$  FIXTURES AS INDICATED ON PLANS ACCORDING TO LOCAL PLUMBING CODES. 2. PROVIDE CONNECTIONS FOR DISHWASHER, CLOTHES WASHER, AND DRYER.

### PRODUCTS OF COMBUSTIBLE DETECTORS

### I. A PRODUCT OF COMBUSTION DETECTOR OR DETECTORS OF THE SINGLE STATION ALARM TYPE SHALL BE INSTALLED AT THE CEILING AND BETWEEN BEDROOMS OR THE SLEEPING AREAS AND THE REMAINDER OF THE DWELLING UNIT, SUCH AS IN HALLWAYS OR CORRIDORS SERVING SUCH BEDROOMS OR SLEEPING AREAS AS SHOWN ON PERMIT PLANS.

- 2. THE PRODUCT OF COMBUSTION DETECTORS \$ ALARMS SHALL BE:
   2.1. UNDERWRITERS LABORATORIES OF CANADA LISTED AND LABELED.
   2.2. OF THE SINGLE STATION ALARM TYPE.
   2.3. AN IONIZATION P.O.C. DETECTOR OR SPOT TYPE PHOTOELECTRIC SMOKE DETECTOR.
   2.4. EQUIPPED WITH VISUAL INDICATION THAT THER ARE IN OPERATING CONDITION.
   2.5. CONNECTED TO THE BUILDING ELECTRICAL SUPPLY WITHOUT A DISCONNECTING WALL SWITCH
- WALL SWITCH. 2.6. PERMANENTLY MOUNTED TO A STANDARD ELECTRICAL OUTLET OR JUNCTION BOX ON THE CEILING. 2.1. SERVED BY A CIRCUIT NOT INTERCONNECTED TO ANY OUTLET.
- 2.8. AUDIBLE WITHIN BEDROOMS WHEN INTERVENINGDOORS ARE CLOSED.

3. WHERE MORE THAN ONE SMOKE ALARM 19 REQUIRED IN A DWELLING UNIT THE SMOKE ALARM SHALL BE WIRED SO THAT THE ACTIVATION OF ONE ALARM WILL CAUSE ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND.

#### ROOF CONSTRUCTION

- 1. ATTIC ACCESS HATCH TO BE MIN. 20" × 28" INSULATED \$ WEATHER-STRIPPED.
- 2. PROVIDE EAVE PROTECTION TYPE 'M' OR 'S' ROLL ROOFING OR EQUIVELANT, EXTENDING FROM THE EDGE OF THE ROOF A MINIMUM DISTANCE OF 300MM (36") UP THE ROOF SLOPE TO A LINE NOT LESS THAN 300MM (12") INSIDE THE INNER FACE OF THE EXTERIOR WALL. 3. START STRIP NO. 85; 4.2KG/SQ.M. ROLL ROOFING OR ROOFING SHINGLES OF SAME WEIGHT AND QUALITY AS USED ON ROOF, LAID WITH TABS FACING UP.
- 4. HIP  $\downarrow$  VALLEY RAFTERS TO BE 50MM (2") DEEPER THAN COMMON RAFTERS.
- 5. ROOF SHEATHING 11MM (7/16") ASPENITE C/W CLIPS.
- 6. ROOF EDGE SUPPORTS TO BE 38MM imes 38MM (2" imes 2") BLOCKING MINIMUM. 1. PROVIDE TRUSS BRIDGING ISMM × 83MM (3/4" × 4") CONTINOUS @ EACH 2135MM (1'-@")O.C.
- 8. PROVIDE 38MM  $\times$  89MM (2"  $\times$  4") WALL TIES ACROSS JOINTS OR BOTTOM TRUSS CHORD, MINIMUM 1220MM (4'-0") O.C. FOR ROOF SLOPES 4/12 OR GREATER. 9. PROVIDE ICE \$ SNOW GUARD IN ALL VALLEY \$ ROOF INTERSECTION.

### STRUCTURAL SPECIFICATIONS

COLUMNS

- 1. STRUCTURAL STEEL SHALL CONFORM TO C.A.N./C.S.A.-640-21 GRADE 300W. HOLLOW STRUCTURAL SECTION SHALL CONFORM TO C.A.N./C.S.A.-640-21 GRADE 300W CLASS 'H'. 2. REINFORCING STEEL SHALL CONFORM TO C.S.A.-650-18M GRADE 400R.
- 3. STEEL BEAM POCKET SHALL BE FILLED WITH NON-SHRINK GROUT. MINIMUM 3 1/2" BEARING. 4. PROVIDE A MINIMUM 4"  $\times$  4"  $\times$  1/4" END BEARING PLATES, TOP \$ BOTTOM OF STEEL

## BASEMENT COLUMNS & BEARING WALLS

- 1. INTERIOR BEARING STUD PARTITIONS TO BE 38MM X 140MM (2" X 6") @ 400MM (16") O.C. RICERICE DEARING STUD FARTITIONS TO BE SATHT X (407111 (2010) 4001111 (1070). FOR TWO STOREY BUILDINGS, UNLESS OTHERWISE NOTED, GMIL POLYETHYLENE ON 200MM (8") HIGH CONCRETE 500MM X 150MM (20" X 6") CONCRETE FOOTINGS FOR TWO STOREY BUILDINGS W/ DOUBLE TOP PLATE \$ SINGLE BOTTOM PLATE ANCHORED TO CONCRETE CURB 2030MM (6'-8") O.C.
- 2. STEEL COLUMN PLATES TO BE ANCHORED TO FOOTING WITH MINIMUM TWO I5MM (5/8") DIAMETER BOLTS, OR WELD PLATES TO BEAM FLANGES.
- 3. STEEL COLUMN PLATES TO BE CONNECTED TO BEAM WITH MINIMUM TWO 13MM (1/2") DIAMETER BOLTS, OR WELD PLATES TO BEAM FLANGES.
- 4. ALL STEEL COLUMNS AND BEAMS TO BE SHOP PRIMED.
- 5. EXTERIOR WOOD COLUMNS TO BE ANCHORED TO CONCRETE SLAB OR FOOTING WITH

### STAIRS & BALCONIES

- 1. MINIMUM WIDTH FOR AT LEAST 1 STAIR IS 860MM (2'-10"). 2. VERTICAL HEIGHT BETWEEN LANDINGS SHALL NOT EXCEED 3700MM (12'-2").
- 3. MAXIMUM RISE 200MM (1 1/8"). MINIMUM RISE 125MM (4 1/8").
- 4. MAXIMUM RUN 355MM (14"). MINIMUM RUN 210MM (8 1/4"). FOR CURVED STAIRS MINIMUM 150MM (6"), MINIMUM AVERAGE RUN 200MM (8").
- 5. MAXIMUM TREAD 355MM (14"). MINIMUM TREAD 235MM (9 1/4").
  - 6. MAXIMUM NOSING 25MM (1"). 7. MINIMUM STAIR HEADROOM 1950MM (6'-5"). MINIMUM 2050MM (6'-9") EXTERIOR.

### NATURAL VENTILATION

3. PROVIDE HEAT RECOVERY VENTILATOR.

4. INSTALL SMOKE ALARMS AS PER O.B.C. 9.10.18.

- STEEL ANCHOR SHOW MINIMUM ISOMM (6") ABOVE GRADE AND ISMM  $\times$  88MM  $\times$  266MM (1"  $\times$  4"  $\times$  12") WOOD NAILING STRIP NAILED TO THE TOP OF THE BEAM

8. HANDRAIL HEIGHTS MINIMUM 187MM (2'-1"), MAXIMUM 365MM (3'-2") ABOVE STAIR, MINIMUM 315MM (36") @ MAIN LANDINGS, MINIMUM 1865MM (42") AT BALCONIES.

9. HANDRAILS REQUIRED ON AT LEAST ONE SIDE OF STAIRS LESS THAN 1092MM (3'-1") IN WIDTH, CONTINOUS OVER THE LENGTH OF OF THE STAIRWAY EXCEPT WHERE INTERRUPTED BY DOORWAYS, NEWEL POST, LANDINGS, OR CHANGES IN DIRECTIONS.

## 10. EXTERIOR WOOD STAIRS TO BE SUPPORTED ON CONCRETE BASE ON APRON, MINIMUM 25MM (1") ABOVE FINISHED GRADE, MINIMUM EXTERIOR STAIR WIDTH SISMM (36") FOUNDATIONS REQUIRED IF EXTERIOR STEPS HAVE MORE THAN 2 TREADS AND 2 RISERS.

 GUARDS REQUIRED ON PORCH, MEZZANIN, GALLERIES, LANDINGS, RAISED WALKWAYS, AND ROOF DECKS IF OVER 610MM (24") ABOVE FINISHED GRADE. 12. MAXIMUM SPACE BETWEEN VERTICAL GUARD PICKETS TO BE 100MM (4") WITH NO HORIZONTAL MEMBER'S BETWEEN 100MM (4") AND 915MM (36") ABOVE BALCONY FLOOR.

I. INSULATION SHALL BE INSTALLED \$ OTHER CONSTRUCTION WORK UNDERTAKEN IN A MANNER WHICH WILL NOT REDUCE THE FLOW OF AIR THROUGH VENTS OR THROUGH ANY PORTION OF THE ROOF SPACE OR ATTIC WHERE NECESSARY TO ENSURE EFFECTIVE AIR CIRCULATION, SPECIAL VENTING DEVICES SUCH AS DUCTS OR BAFFLES SHALL BE INSTALLED.

# 2. ROOF SPACE ABOVE INSULATED CEILINGS SHALL BE VENTILATED WITH OPENING TO THE EXTERIOR HAVING A TOTAL AREA OF NOT LESS THAN 1/300 OF THE INSULATED CEILING AREA (OF WHICH HALF IS LOCATED SO AS TO PROVIDE MAX. AFFECTED AIR CIRCULATION, AND IN RIDGE TYPE ROOFS APPROX. HALF OF THE TOTAL VENT AREA SHALL BE LOCATED AT OF NEAR THE RIDGE.

THERMAL INSUL. \$ VAPOUR BARRIERS

- 1. PROVIDE RIGID PERIMETER INSULATION FOR CONCRETE ON GRADE FOR HABITABLE AREAS. 2. THE UPPER PART OF FOUNDATION WALLS ENCLOSING HEATED SPACE SHALL BE INSULATED FROM THE UNDERSIDE OF THE SUBFLOOR TO NOT LESS THAN GIOMM (24") BELOW THE ADJACENT FINISHED GROUND LEVEL, COVER THE INSULATION WITH C.G.S.B. APPROVED VAPOUR BARRIER ON WARM SIDE OF INSULATION, PROVIDE A MOISTURE BARRIER BETWEEN FOUNDATION WALL \$ WOOD STUD FRAMING, BELOW GRADE ONLY
- 3. ACCESS TO HATCHES INTO ATTICS SHALL BE WEATHERSTRIPPED AROUND THE PERIMETER OF THE HATCH \$ INSULATED. 4. DUCTWORK IN THE ATTIC OR ROOF SPACES SHALL HAVE ALL JOINTS TAPED OR BE OTHERWISE SEALED TO ENSURE THE DUCTS ARE AIR-TIGHT THROUGHOUT THEIR LENGTH.
- 5. INSULATION INSTALLED IN CEILING AND EXTERIOR WALLS SHALL BE PROTECTED BY TYPE "|" VAPOUR BARRIERS TO C.A.N./C.G.S.B.-51.34M INSTALLED SO THAT ALL JOINTS OCCUR @ FRAMING MEMBERS FURRING OR BLOCKING \$ LAPPED @ LEAST 100MM (4") AT ALL JOINTS (CAULKED).
- 6. HOLES FOR VAPOUR BARRIERS INSTALLED IN CEILINGS FOR THE INSTALLATION OF ELECTRICAL WIRING, ELECTRICAL BOXES, PIPING, OR DUCTWORK SHALL BE EFFECTIVELY SEALED WITH CAULKING TAPE OR OTHER APPROVED MATERIAL TO MAINTAIN THE INTEGRITY OF THE VAPOUR BARRIER OVER THE ENTIRE CEILING.

#### FLASHING

- 1. FLASHING IS REQUIRED UNDER ALL JOINTED SILLS AND OVERHEAD OF WINDOWS \$ DOORS IN EXTERIOR WALLS IF DISTANCE BELOW EAVES IS MORE THAN 1/4 OF ROOF OVERHANG.
- 2. CHIMNEY FLASHING IS REQUIRED @ INTERSECTION WITH ROOF. FLASHING IS REQUIRED OVER CHIMNEY SADDLE WHEN WIDTH OF CHIMNEY EXCEEDS 150MM (2'-6").
- 3. FLASHING IS REQUIRED @ INTERSECTIONS OF ROOFS \$ WALLS, VALLEY, \$ OVER PARAPET
- 4. FLASHING IS REQUIRED BETWEEN ROOF AND SHINGLES AND WALL SIDING 0.8MM (20 GA) GALVANIZED METAL 15MM (3") UP BEHIND SHEATHING \$ EXTENDS 15MM (3") HORIZONTALLLY.

#### HEATING

- I. HEATING DUCTS & RETURN AIR HAVE BEEN LOCATED AS A SUGGESTED GUIDE ONLY. INSTALLATION IS TO SUIT FULDING CONDITIONS & LOCAL BY-LAWS, SUBMIT HEATING LAYOUTS BEFORE COMMENCEMENT OF CONSTRUCTION.
- 2. AIR DUCTS IN EXTERIOR WALLS TO HAVE A MINIMUM R.S.I. 1 (R4) THERMAL INSULATION R.S.I. 1.23 (R1) IN UNHEATED SPACE. SPACE DUCTS \$ STUDS, ETC... TO BE SEALED WITH NON-COMBUSTIBLE MATERIAL @ EACH END. PIPE INSULATION TO BE NON-COMBUSTIBLE MAXIMUM FLAME SPEAD RATING FOR PIPES \$ DUCTS 15 IN SERVICE SPACE 150 OTHERWISE.

**Committee of Adjustment** Received | Reçu le

2025-01-07 City of Ottawa | Ville d'Ottawa Comité de dérogation

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168 HAWKSHAW CRESCENT OTTAWA, ONTARIO K2J ØJ1
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OTTAWA, ONTARIO
PROJECT NUMBER: 2160
SQUARE FOOTAGE: BASEMENT 3911 FT <sup>2</sup>
2ND FLOOR 2531 FT <sup>2</sup> REVISION TABLE
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