TRUSS SYSTEMS:

[illegible] AS INDICATED ON THE DRAWINGS. THE TRUSS SHALL PROVIDE CHORD MEMBERS AND INDICATE WHERE ANY BRIDGING, BLOCKING OF BE INSTALLED AT REQUIRED BY THE TESTED MEMBER.

[illegible] USED IN THE FABRICATION OF THE TRUSSES SHALL BE AS SPECIFIED IN THE TESTED [illegible] REDUCTION IN CAPACITY OF PLATES SHALL BE COMPLIED WITH.

[illegible] PLATES MATERIALS OR PROCESSES ARE USED AS A PART OF THE FABRICATED DESIGN [illegible] TRUSS SHALL OBTAIN MATERIALS OR CERTIFICATION OF COMPLIANCE WITH THE SYSTEM [illegible] ABY-OLDER

TRUSS DESIGNER, TRUSS FABRICATOR, CENTER/TRUSS INSTALLER:

[illegible] SHALL BE AT SHOWN IN DIAGRAM OF THE [illegible] PROVIDED BY TRUSS

[illegible] 91 SUMMARY SHEET FRAME 3 "PITCHED TRUSS TOP CHORD TEMPORARY BRACING" SPACING
[illegible] 91 SUMMARY SHEET FRAME 4 "BOTTOM CHORD TEMPORARY BRACING FOR MAXIMUM

[illegible] SHALL BE A MINIMUM OF [illegible] LONG IN A LAY ON [illegible] BUSS LAY EACH END

[illegible] BRACING SIZES FOR ROOF TRUSSES SHALL BE SPECIFIED BY TRUSS DESIGNER FOR [illegible] TO INTERIOR CHORD FACE OF TRUSSES

[illegible] 91 SUMMARY SHEET FRAME 3 "PITCH-FIT TRUSS TOP CHORD TEMPORARY BRACING" FOR [illegible] OF DIAGONAL BRACING

[illegible] 91 SUMMARY SHEET FRAME 4 "BOTTOM TRUSS CHORD TEMPORARY BRACING" FOR [illegible] OF DIAGONAL BRACING

[illegible] 91 SUMMARY SHEET FRAME 4 FOR DIAGONAL BRACING AT LATERAL BRACE LINES AND [illegible]

[illegible] SHALL PROVIDE COPIES OF ALL FIELD CORRECTIONS AND OR REPAIR DRAWINGS AND [illegible] BE MADE DURING FIELD CONSTRUCTION.

[illegible]SSES:

[illegible] SHALL BE DETERMINED BY THE TRUSS DESIGNER AND NOT EXCEED 24" O.C. AS ROOF SHEATHING

[illegible] TRUSSES SHALL BEAR ON TEMPORARY LOAD BRACING INSTALLED ON TOP CHORD OF LOWER [illegible] TRUSS SHALL BE CENTERED AT REQUIRED WHERE TRUSS WEBS EXCEED ALLOWABLE [illegible] DESIGNER SHALL SPECIFY REQUIRED SIZE [illegible] OR BRACING

[illegible] STRUCTURAL ROOF SHEATHING SHALL BE INSTALLED AND IS INTENDED TO BECOME THE [illegible] BRACING FOR THE TRUSS TOP CHORD

[illegible] GYPSUM BOARD SHALL BE INSTALLED AND IS INTENDED TO BECOME THE PERMANENT [illegible] THE TRUSS BOTTOM CHORD

[illegible] SHALL DESIGN ALL TRUSSES FOR LOADS AND FRAME AS REQUIRED TO COMPLY WITH [illegible] DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE TRUSS DESIGNER TO ENSURE [illegible] BE STRUCTURALLY ADEQUATE FOR LOADS IMPOSED. ENTIRE STRESSED MEMBERS SHALL [illegible] BE REVIEWED, CERTIFIED BY THE TRUSS DESIGNER.

[illegible] TRUSSES SHALL BE DESIGNED TO RECEIVE WALL SHEATHING, BRACING FOR LATERAL LOADS [illegible] BY TRUSS DESIGNER TO ELIMINATE CUTTING OF PLANE LOADS ON TRUSS PLATES

[illegible] TRUSSES SHALL BE DESIGNED TO MATCH THE CEILING PROFILE OF ROOM ADJACENT TO

[illegible] SHALL PROVIDE DESIGNS FOR PERMANENT LATERAL BRACING TO FUNCTION WITH THE [illegible] TRUSS SYSTEM. TRUSS CHORDS INCLUDING LOADS FROM BRACING SHALL BE SOLID [illegible]

[illegible] SHALL PROVIDE OPTIONS FOR ALTERNATE BRACING TO RUN CONTINUOUS ALONG TRUSS [illegible] BE FRACTIONAL TO MAINTAIN LONGEST POSSIBLE BRACING LINE THROUGH TRUSS SYSTEM [illegible] NO LINE MUST BE MAINTAINED. TRUSS DESIGNER IS TO PROVIDE DETAILS FOR TRUSS [illegible] BRACE LINE OR TERMINATION USING DIAGONAL BRACES

[illegible] SHALL DESIGN DIAGONAL BRACING AT TERMINATION POINTS OF PERMANENT LATERAL [illegible] TEMPORARY AND PERMANENT DIAGONAL BRACING SHALL BE INDICATED ON THE ROOF [illegible] PLANS INCLUDING MEMBER SIZES

[illegible] SHALL PROVIDE WOOD GRADE QUALITY OF ALL BRACING MEMBERS TO ELIMINATE [illegible] CRACKING DURING INSTALLATION OF CARPENTER

[illegible] UNDERSTANDS THAT THE BUILDING DESIGNER HAS NO KNOWLEDGE OF THE [illegible] CALCULATIONS MADE BY THE DESIGN OF THE TRUSSES FOR THE BUILDING. THEREFORE [illegible] MEMBERS ARE RATED TO ACCOMMODATE THE STATED REQUIRED BRACING [illegible] RESPONSIBILITY OF THE TRUSS DESIGNER

[illegible]USSES:

[illegible] SHALL PROVIDE SIZE AND LOCATION OF TIMBER BACK BRACING IN FLOOR TRUSSES TO [illegible] DEFLECTION CRITERIA INDICATED ON DRAWINGS. SEE SHEET [illegible] FOR LOADS AND DEFLECTION

[illegible] STRUCTURAL ROOF SHEATHING SHALL BE INSTALLED AND IS INTENDED TO BECOME THE PERMANENT [illegible] TRUSS TOP CHORD

[illegible] GYPSUM BOARD SHALL BE INSTALLED AND IS INTENDED TO BECOME THE PERMANENT BRACING FOR TOP CHORDS

[illegible] BRACING REQUIRED BY THE TRUSS DESIGNER SHALL REMAIN AS PART OF THE PERMANENT [illegible]

[illegible] ABOVE REQUIRE SOLID BLOCKING SHALL BE DESIGNED WITH VERTICAL BLOCKING [illegible] ALUMINUM THROUGH THE TRUSS TO BEARING BELOW

[illegible] TRUSSES SHALL BE DESIGNED TO [illegible] OF ZONING [illegible]

[illegible] SHALL BE DETERMINED BY TRUSS DESIGNER FOR LOADING AND DEFLECTION CRITERIA INDICATED ON

[illegible] CERAMIC TILE OR OTHER SIMILAR MATERIAL SHALL BE SPACED A MAXIMUM OF [illegible] UNLESS SHOWN OTHERWISE ON DRAWINGS FOR ALL SUCH LOCATIONS. MAXIMUM DEFLECTION CRITERIA FOR SUCH MATERIALS [illegible] BY THE SPECIFIC MANUFACTURER OR INDUSTRY STANDARDS

[illegible] UNDERSTANDS THAT THE BUILDING DESIGNER HAS NO KNOWLEDGE OF THE CRITERIA AND [illegible] MADE IN THE DESIGN OF THE TRUSSES FOR THE BUILDING. THEREFORE TRUSS MUST BE [illegible] TO ACCOMMODATE THE STATED MAXIMUM DEFLECTION AND THE RESPONSIBILITY OF THE [illegible]

[illegible]EERED TRUSSES:

[illegible] SUBMITTING PLANS FOR PERMITS SHALL PROVIDE AT TIME OF SUBMISSION ONE OF THE

[illegible]ION DATA SHEET

TRUSS DESIGN DRAWINGS

[illegible]ER SHALL SUBMIT COMPLETE TRUSS DESIGN DRAWINGS PRIOR TO INSTALLATION [illegible] REQUIRED BY CODE

[illegible] FOR THE TRUSS DESIGNER FABRICATOR TO TAKE GREAT CARE IN THE BANDING [illegible] DELIVERY PROCESS TO INSURE THE TRUSSES ARE NOT DAMAGED [illegible] PROVIDED BY TRUSS DESIGNER FABRICATOR FOR PROPER STORAGE METHODS FOR [illegible] DELIVERY AND ERECTION

[illegible]NG CONDITIONS:

	LIVE LOAD	DEAD LOAD	TOTAL
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

ATTICS ARE DESIGNED AS NON-STORAGE UNLESS NOTED OTHERWISE

T.C. TOP CHORD OF TRUSS
B.C. BOTTOM CHORD OF TRUSS

TRUSS DESIGNER TO INCLUDE ALL SPECIFICATIONS REQUIRED LOCAL BY TRUSS DESIGN

[illegible]N CRITERIA:

[illegible]
[illegible]
[illegible] FLOOR TRUSS AREAS (W/ IN FLOOR HEAT

B. COMPLIANCE OPTION

[illegible] PRESCRIPTIVE (PART 9 DESIGN PACKAGE) PACKAGE: [illegible] TABLE: [illegible]

C. PROJECT DESIGN CONDITIONS

CLIMATE ZONE SELECT	HEATING EQUIPMENT EFFICIENCY	SPACE HEATING FUEL SOURCE
■ ZONE 1 (< 5000 DEGREE DAYS)	■ ≥ 92% AFUE	■ GAS ☐ PROPANE ☐ SOLID FUEL
☐ ZONE 2 (≥ 5000 DEGREE DAYS)	☐ ≥ 90% - 92% AFUE	☐ OIL ☐ ELECTRIC ☐ EARTH ENERGY

RATIO OF WINDOWS THROUGH TYPE B GLASS TO S & E TO WALL AREA

AREA OF WALLS =	2,283.6 ft²	W S & E % =	18.9%
AREA OF W S & E =	344.1 ft²	MAXIMUM % [illegible]	☐ YES ■ NO

OTHER BUILDING CONDITIONS

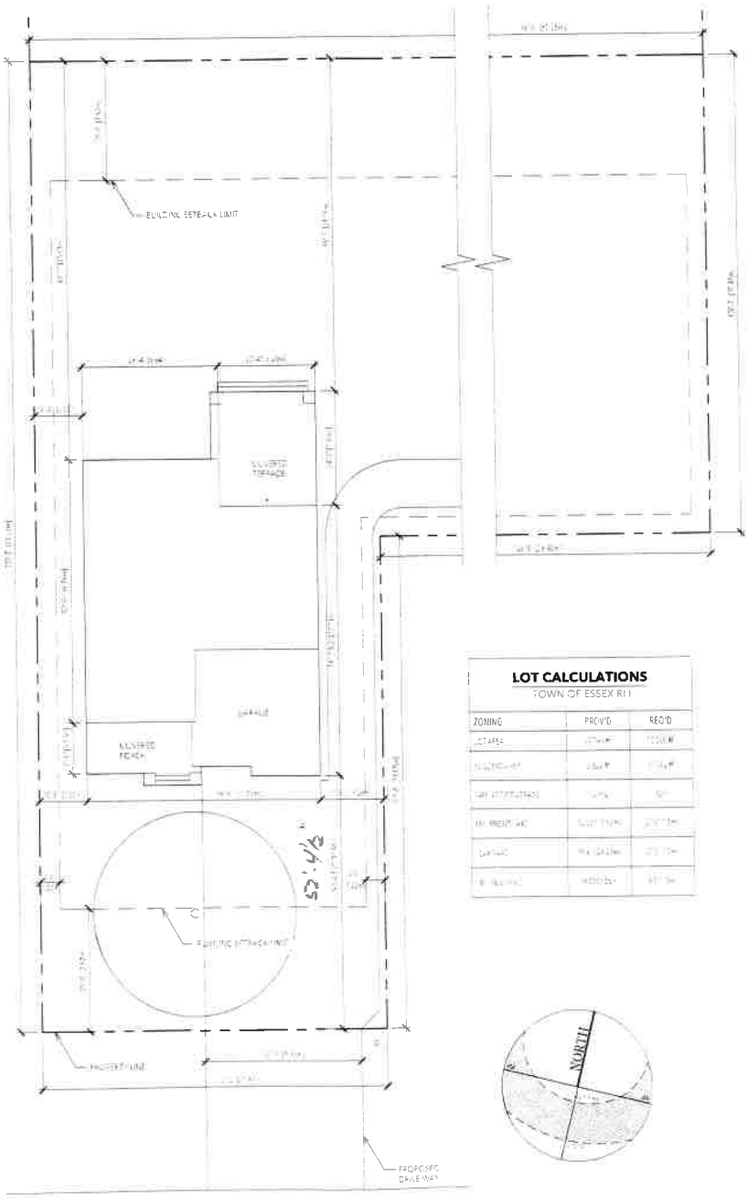
☐ LOG ROOF & BEAM ☐ ICF ABOVE GRADE ☐ ICF BASEMENT
☐ SLAB ON GROUND ☐ WALK OUT BASEMENT ☐ AIR CONDITIONING
☐ COMBO UNIT ☐ AIR SOURCED HEAT PUMP ☐ GROUND SOURCED HEAT PUMP

D. BUILDING SPECIFICATIONS

[illegible] PRESCRIPTIVE DESIGN PACKAGE

BUILDING COMPONENT	MINIMUM RSI/R VALUES OR MAXIMUM U-VALUE[1]		BUILDING COMPONENT	EFFICIENCY RATINGS		
	NOMINAL	EFFECTIVE	WINDOWS & DOORS (REFER TO [illegible])			
THERMAL INSULATION						
CEILING WITH ATTIC SPACE	R60	R59.22	WINDOWS/SLIDING GLASS DOORS	0.28U/25ER		
CEILING WITHOUT ATTIC SPACE	R31	R27.65	SKYLIGHT/GLAZED ROOFS	0.49U		
EXPOSED FLOOR	R31	R29.6	MECHANICAL:			
WALLS ABOVE GRADE	R22	R17.03	HEATING EQUIP. (AFUE)	96%		
BASEMENT WALLS	R20 C1	R21.[illegible]	HRV EFFICIENCY (SRE) AT 0°C	75%		
SLAB (ALL > 600 mm BELOW GRADE)			DHW HEATER (EF)	0.8 EF		
SLAB (EDGE ONLY ≤ 600 mm BELOW GRADE)	R10	R10	DWHR (CSA B55.1 (MIN. 42% EFFICIENCY))	42%	# SHWR	2
SLAB (ALL ≤ 600 mm BELOW GRADE OF HEATED	R10	R11.[illegible]3	COMBINED HEATING SYSTEM			

NOTES
1. U-VALUE TO BE PROVIDED IN FORM W/m²K OR R-VALUE IN ft² hr/BTU OR BOTH



LOT CALCULATIONS
TOWN OF ESSEX R1.1

ZONING	PROV'D	REQ'D
LOT AREA	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
GARAGE	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

LOT FIT PLAN

BOGL RESIDENCE
3543/78 DRAPER ST.
COLCHESTER, ONTARIO

PHILIP FERNANDES
CUSTOM ARCHITECTURAL DESIGN

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BOGL RESIDENCE
3543 DRAPER ST
TOWN OF ESSEX, ONTARIO

SITE PLAN
GENERAL NOTES

ISSUED FOR PRELIMINARY	C
ISSUED FOR	C
PERMITS	● 2025 09 02
CONSTRUCTION	C

DRAWN BY: AF CERVAR
CHECKED BY: PF
DRAWING SCALE: 25 1125
DATE: 2025 09 19

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