**TYPICAL NOTES** 

**RATED CLOSURE** R.C. = RATED CLOSURE

DOORS IDENTIFIED AS RATED CLOSURES (R.C.) SHALL BE PROVIDED WITH SMOKE SEALS & AN AUTOMATIC CLOSING DEVICE

### RATINGS FOR CLOSURES

	ASSEMBLY F.R.R.	CLOSURE RATING
	30/45min	20min
	60min (1HR)	45min
	90min (1.5HR)	60min (1HR)
	120min (2HR)	90min (1.5HR)
	180min (3HR)	120min (2HR)
	240min (4HR)	180min (3HR)
1		

REFER TO CONSTRUCTION ASSEMBLIES FOR ASSEMBLY FIRE RESISTANCE RATINGS (F.R.R.)

		ALL STA	<u>IRS</u>		(3	.4.6.8.)				
		MAX. RISE	MIN. F	RISE	MAX. RUN	MIN. RUN	MAX. TREAD	MIN	N. TREAD	
l	DIMENSIONS SHOWN BELOW IN INCHES (*) / MILLIMETERS (mm)								nm)	
l		7" (180)	5" (12	25) 14" (355)		11" (280)	14" (355)	11	1" (280)	
l	MIN. STAIR WIDTH				CURVED ST	ALL STAIRS				
ή	I	2'-10" (8	60)	Ν	IIN. RUN	9 1/2" (240)	MAX. NOSIN	G	1" (25)	
l										
		** HEIGHT OVER STAIRS (HEADROOM) IS MEASURED VERTICALLY ACROSS WIDTH OF STAIRS FROM A STRAIGHT								

LINE TO THE TREAD & LANDING NOSING TO LOWEST POINT ABOVE AND NOT LESS THAN 6-8 3/4" (2050) (3.4.3.4.) **GUARDS/RAILINGS** (3.4.6.5., 3.4.6.6.) GUARDS TO BE DESIGNED NOT TO FACILITATE CLIMBING AND PROVIDING MAX. OPENING CONFORMING TO 0.B.C. 3.4.6.6. AND BE ABLE TO RESIST LOADS AS PER TABLE 4.1.5.14./4.1.5.16.

(3.4.6.6.)

(3.4.6.5.)

(3.7.4.13.)

**GUARD HEIGHTS** 

GUARDS: 3'-6" (1070) MIN. WHERE EXTERIOR STAIRS AND LANDINGS ARE MORE THAN 32'-9" (10.0m) ABOVE ADJACENT GROUND GUARDS SHALL BE A MINIMUM 4'-11" (1500) HIGH

**REQUIRED GUARDS** (3.4.6.6.)

BETWEEN WALKING SURFACE & ADJACENT SURFACE WITH A DIFFERENCE IN ELEVATION MORE THAN 23 5/8° (600) OR ADJACENT SURFACE WITHIN 3-11" (1200) & WALKING SURFACE W/ A SLOPE MORE THAN 1 IN 12 SHALL BE PROTECTED WITH GUARDS.

HANDRAIL HEIGHTS MIN. HEIGHT AT STAIRS OR RAMP: 2'-10" (865) MAX. HEIGHT AT STAIRS OR RAMP: 3'-2" (965) MAX. HEIGHT AT LANDING: 3'-6" (1070)

STUD WALL REINFORCEMENT

GRAB BARS SHALL RESIST A MINIMUM LOAD OF PROVIDE STUD WALL REINFORCEMENT (REFER TO DETAILS)

FOR 8'-0" (2440) CEILINGS, FLAT ARCHES SHALL BE 6'-10" (2080) A.F.F. FOR 10'-0" (3040) CEILINGS, FLAT ARCHES SHALL BE 8'-6" (2600) A.F.F

PENETRATIONS AT FIRE SEPARATIONS AND RATED ASSEMBLIES NOTES\*\*:

ALL PENETRATIONS THROUGH FIRE SEPARATIONS TO BE SEALED BY FIRE STOPS WITH A 'F RATING' EQUAL TO OR ABOVE THE FIRE PROTECTION RATING REQUIRED FOR CLOSURES IN THE FIRE SEPARATION or TIGHTLY FITTED.

ALL PENETRATIONS THROUGH A FIREWALL OR A HORIZONTAL FIRE SEPARATION SHALL BE SEALED AT THE PENETRATION BY A FIRE STOP WHICH HAS A 'FT RATING' NOT LESS THAN THE REQUIRED FIRE RESISTANCE RATING OF THE FIRE SEPARATION. SPRINKLER PIPES PENETRATING A FIRE SEPARATION PROVIDED WITH A METAL ESCUTCHEON PLATE, IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13 "INSTALLATION OF

REQUIREMENTS. FIRE DAMPERS INSTALLED IN CONFORMANCE WITH NFPA 80 "FIRE DOORS AND OTHER OPENING PROTECTIVES" NEED NOT MEET THE FIRE STOP REQUIREMENTS ABOVE

SPRINKLER SYSTEMS", NEED TO MEET THE FIRE STOP

SERVICE EQUIPMENT SUCH AS PIPES, DUCTS, ELECTRICAL OUTLET BOXES, TOTALLY ENCLOSED RACEWAYS AND OTHER SIMILAR EQUIPMENT SHALL BE NONCOMBUSTIBLE UNLESS THE ASSEMBLY HAS BEEN TESTED WITH THE SERVICE EQUIPMENT INCORPORATED INTO THE TEST SAMPLE.

\*REFER TO ONTARIO BUILDING CODE - LATEST EDITION, MECHANICAL DRAWINGS, FIRE PROTECTION DRAWINGS AND ELECTRICAL DRAWINGS.

FLAME-SPREAD LIMITS:

FIRE STOP SUBMITTALS\*\*: ALL FIRE STOP SUBMITTALS ARE TO BE ISSUED TO THE DESIGNER FOR APPROVAL PRIOR TO COMMENCEMENT OF THE

## VERTICAL SHAFT NOTES

ALL DRYWALL EDGES TO BE SUPPORTED

FIRE RATINGS FOR VERTICAL SHAFTS TO BE DESIGNED TO RESIST FIRE EXPOSURE FROM BOTH SIDES OF SHAFT WHERE THE VERTICAL SHAFT DOES NOT EXTEND

THROUGH THE ROOF OF THE BUILDING. THE TOP SHALL BE CONSTRUCTED TO HAVE A FIRE RESISTANCE RATING NOT LESS THAN REQUIRED FOR THE VERTICAL SERVICE SPACE WALLS.

WHERE THE VERTICAL SHAFT DOES NOT EXTEND TO THE BOTTOM OF THE BUILDING, IT SHALL BE ENCLOSED AT ITS LOWEST LEVEL WITH CONSTRUCTION HAVING A FIRF RESISTANCE RATING NOT LESS THAN REQUIRED FOR THE VERTICAL SERVICE SPACE WALLS.

### FIRE DAMPERS: 3.1.8.7.

) UNLESS A NONCOMBUSTIBLE BRANCH DUCT HAS A MELTING POINT AT LEAST 760°C [1400°F], A CROSS SECTIONAL AREA OF NOT LESS THAN 130cm<sup>2</sup> [20in<sup>2</sup>] AND SUPPLIES ONLY AIR-CONDITIONING UNITS OR COMBINED AIR-CONDITIONING AND HEATING UNITS DISCHARGING NO MORE THAN 1.2m [3'-11"] ABOVE THE FLOOR A FIRE DAMPER SHALL BE INSTALLED IN ANY DUCT THAT PENETRATES AN ASSEMBLY REQUIRED TO BE A FIRE SEPARATION WITH A FIRE RESISTANCE RATING.

2) ADDITIONALLY NO FIRE DAMPER IS REQUIRED WHERE A NONCOMBUSTIBLE DUCT AROUND AN EXHAUST DUCT RISER WHICH AIR FLOW IS UPWARD, PROVIDED THE DUCT HAS THE MINIMUM MELTING POINT ABOVE, THE BRANCH DUCT IS CARRIED UP INSIDE THE RISER AT LEAST 500mm [1'-8"] AND THE EXHAUST DUCT IS UNDER NEGATIVE PRESSURE VIA A FAN LOCATED AT OR NEAR THE EXHAUST OUTLET (FANS SHALL NOT EXHAUST FROM INDIVIDUAL FIRE COMPARTMENTS DIRECTLY INTO THE DUCT IN A VERTICAL SERVICE SPACE).

) NON-COMBUSTIBLE DUCTS PENETRATING A FIRE SEPARATION SEPARATING A VERTICAL SERVICE SPACE FROM THE REMAINDER OF THE BUILDING NEED NOT BE EQUIPPED WITH A FIRE DAMPER PROVIDED IT HAS A MINIMUM MELTING POINT OF 760°C [1400°F] AND EACH INDIVIDUAL DUCT EXHAUSTS DIRECTLY TO THE OUTSIDE AT THE TOP OF THE VERTICAL SERVICE SPACE

WHERE A FLAME-SPREAD RATING IS REQUIRED IN THIS SECTION FOR AN ELEMENT OF A BUILDING (MATERIALS, ASSEMBLOIES, FLOOR COVERINGS OR STRUCTURAL MEMBERS), SUCH RATING SHALL BE DETERMINED IN ACCORDANCE WITH THE TEST METHODS IN COMPLIANCE

 CAN/ULC-S102 TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND

ASSEMBLIES', OR CAN/ULC S102.2 TEST FOR SURFACE BUILDING CHARACTERISTICS OF FLOORING, FLOOR COVERINGS AND MISCELLANEOUS MATERIALS AND ASSEMBLIES',

IN ACCORDANCE WITH MMAH SUPPLEMENTARY STANDARD SB-2. 'FIRE PERFORMANCE RATINGS'

THE EXPOSED SURFACE OF EVERY INTERIOR WALL AND CEILING (INCLUDING SKYLIGHTS AND GLAZING) SHALL HAVE A SURFACE FLAME-SPREAD RATING OF NOT MORE

AT LEAST 90% OF THE EXPOSED SUBFACE OF EVERY WALL CEILING IN AN EXIT SHALL HAVE A SURFACE FLAME-SPREAD

RATING LESS THAN OR EQUAL TO 25.

THE FOLLOWING SHALL NOT BE CONSIDERED IN THE CALCULATION OF WALL AND CEILING AREAS;

SKYLIGHTS GLAZING,

COMBUSTIBLE DOORS, AND COMBUSTIBLE LIGHT DIFFUSERS & LENSES

THE INTERIOR FINISH OF WALLS AND CEILINGS IN BATHROOMS WITHIN RESIDENTIAL SUITES SHALL HAVE A SURFACE-FLAME SPREAD BATING OF NOT MORE THAN 200

UNLESS THE FLAME-SPREAD RATING IS REFERRED TO AS A "SURFACE FLAME-SPREAD RATING", IT SHALL APPLY TO ANY SURFACE OF THE ELEMENT BEING CONSIDERED THAT WOULD BE EXPOSED BY CUTTING THROUGH IT AS WELL AS TO THE EXPOSED SURFACE OF THE ELEMENT.

ACCEPTABLE MATERIALS INCLUDE; (WHERE "FSR" MEANS FLAME-SPREAD RATING)

• TILE - FSR = 0 • GYPSUM BOARD - FSR = 25 (PAINTED INCL.)

ANY FINISH MATERIAL NOT SPECIFICALLY IDENTIFIED ABOVE SHALL BE REVIEWED FOR COMPLIANCE BY THE CONTRACTOR PRIOR TO INSTALLATION.

### FIRE RESISTANCE RATING NOTES\*\*

FIRE RESISTANCE RATINGS SHALL BE RATED FOR EXPOSURE IN THE FOLLOWING MANNER;

FLOOR, ROOF AND CEILING ASSEMBLIES SHALL BE RATED FOR EXPOSURE FROM THE UNDERSIDE. FIREWALLS AND INTERIOR VERTICAL FIRE SEPARATIONS SHALL BE RATED FOR EXPOSURE TO FIRE ON BOTH

EXTERIOR WALLS SHALL BE RATED FOR EXPOSURE TO

THEY SUPPORT.

FIRE FROM THE INSIDE OF THE BUILDING SUPPORTED ASSEMBLIES, WHICH REQUIRE A FIRE RESISTANCE RATING, SHALL BE SUPPORTED BY LOADBEARING WALLS, COLUMNS, BEAMS, ARCHWAYS AND ANY OTHER SUPPORTING ELEMENT THAT HAVE A DESIGNATED FIRE RESISTANCE RATING NOT LESS THAN THE RATING REQUIRED FOR THE ASSEMBLY WHICH

ANY ASSEMBLY REQUIRED TO BE OF NONCOMBUSTIBLE CONSTRUCTION, SHALL BE SUPPORTED BY NONCOMBUSTIBLE CONSTRUCTION.

REFER TO ONTARIO BUILDING CODE - LATEST EDITION MECHANICAL DRAWINGS, FIRE PROTECTION DRAWINGS AND ELECTRICAL DRAWINGS.

## SB-10 ENERGY EFFICIENCY DESIGN MATRIX

NON-RESIDENTIAL

ZONE 6

OPAQUE ELEMENTS	WALL CODE	PROPOSED
INSULATION RSI (R) VALUE		
ROOFS		
INSULATION ENTIRELY ABOVE DECK	N/A	R-35 ci
METAL BUILDING	N/A	R-25+R-11+R-11Ls
ATTIC AND OTHER	R1	R-60
WALLS, ABOVE GRADE		
MASS	N/A	R-19ci
METAL BUILDING	N/A	R-13+R-19ci
STEEL FRAMED	N/A	R-13+R-15ci
WOOD FRAMED AND OTHER	E1	R-13+R-10ci
WALL, BELOW GRADE		
BELOW GRADE WALL	B1	R-20ci
FLOORS		
MASS	N/A	R-18.7ci
STEEL JOIST	N/A	R-38+R-4ci
WOOD FRAMED AND OTHER	F1	R-38+R-3ci
SLAB-ON-GRADE FLOORS		
UNHEATED	-	R-15 for 48"
HEATED	S1	R-10 full slab
OPAQUE DOORS		
SWINGING		U-0.45
NONSWINGING		U-0.45

# TYPICAL DRAWING SYMBOLS View Name

**DETAIL NUMBER & TITLE** A101 1 Ref **ELEVATION REFERENCE** A101 1 Ref SIM SECTION REFERENCE A \A101

Name Elevation **ELEVATION DATUM** Room **ROOM NAME** 

name DOOR NUMBER D-01 WINDOW NUMBER W-0

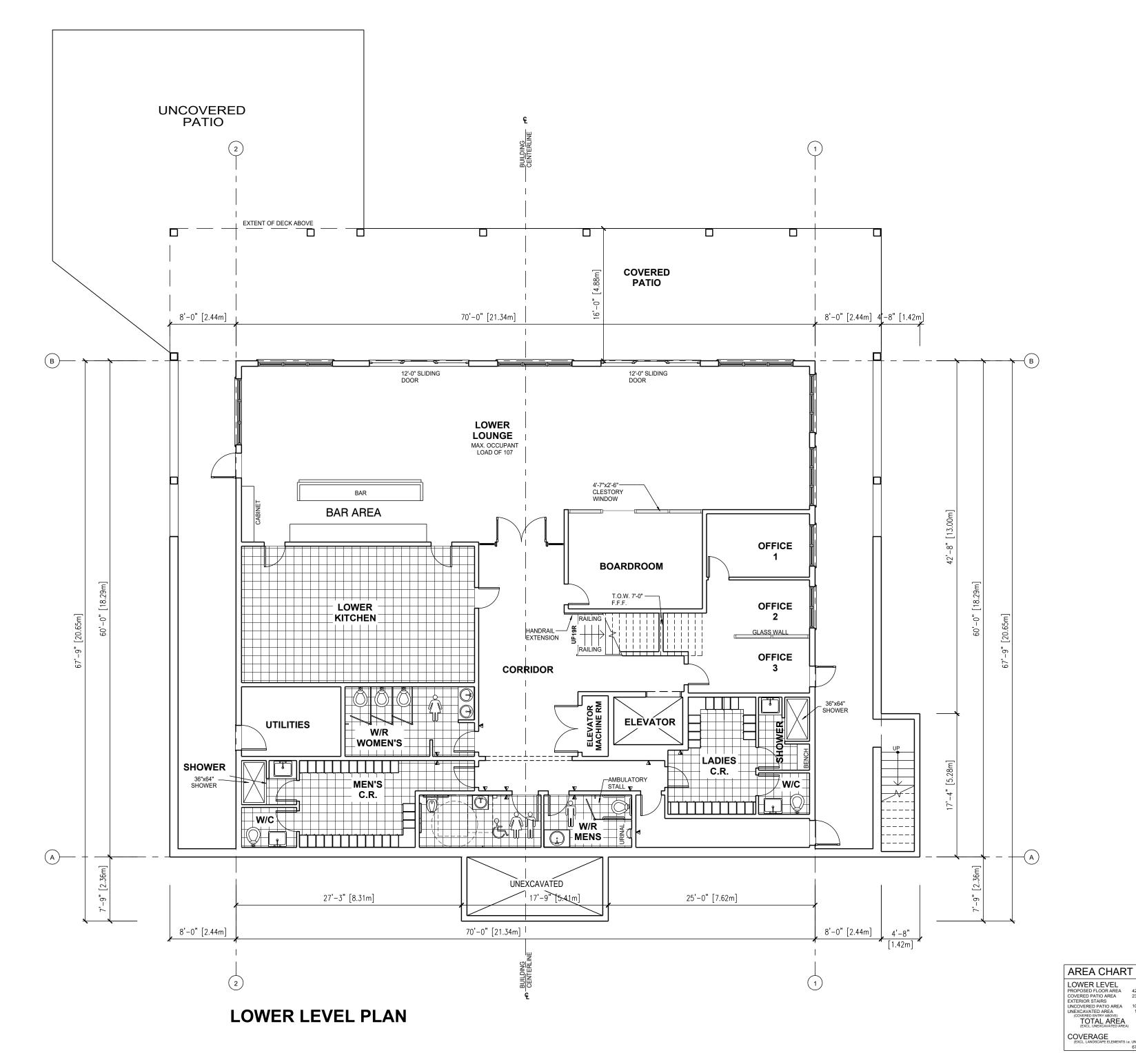
> ABC Consultants [Architecture + Building + Code] 99 Bayfield St, unit 1B Barrie, Ontario L-833.988.8222

Item	(OBC References identified on this matrix are found in Division B, unless otherwise identified as referring to Division A via [A] after the reference			OBC Reference							
	Project Description			] Alteration	□ Chang □ Code	je of Use Compliance	☐ Par	t 11 - 11.4	■ Part 3 1.1.2.2.[A]	□ Part 9	□ Part 10 &
2	Major Occupancy(s)		GROUP A -			0 -		0.0	3.1.2.		
3 4	Building Area (m2)			New				02	1.4.1.2.[A]		
4 5	Gross Area (m2) No. of Storeys		Above Grade	New 2	Below G		al <u>0</u>	<u>UZ</u>	1.4.1.2.[A] 3.2.1.1.		
6	Height of Building (r	m)	Above Grade			NEW - 11.0m			J.Z.1.1.		
7	No. of Streets/Fire F		Anness Routes	one.		NEW - II.UIII			3.2.2.10.&3.2.5.		
3	Building Classification				2 STORE	·YS			3.2.2.25		
9	Sprinkler System Pro					3.2.1.5.					
10	Standpipe required			yes ■ no					3.2.9.		
11	Fire Alarm required			yes 🗆 no					3.2.4.1.(4)		
2	Water Service/Supply	is Ad	equate <b>=</b>	yes 🗆 no					3.2.5.7.		
3	High Building			] yes ■ no					3.2.6.1.(1)(d)		
4	Permitted Construction	on	_	Combustible Combustible		-combustible -combustible	■ Bo		3.2.2.25		
5	Mezzanine(s) Area (r	m2)	N/A								
16	Occupant Load Based on :	Pronosed	FLOOR LEVEL BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT BASEMENT GROUND GROUND GROUND GROUND	OCCUPANCY TO COVERED PATIO DINING ROOM KITCHEN BOARDROOM OFFICES CORRIDOR DINING DECK AREA KITCHEN CORRIDOR		BASED ON 0.95 N.F.S 1.20 9.3 1.85 1.85 0.40 STANI 1.20 0.95 N.F.S 9.3 0.40 STANI	& TABLES  DING SPAC  & TABLES	107 -4 -16 -11 E 97 -155 	3.1.17.1.		
7	Barrier-Free Design		yes no	1					7.0.4.4		
,	Special Protection  If "yes" explain:		yes no						3.8.1.1. 3.3.1.7.		
8	Hazardous Substance	es	□ yes ■ no	)					3.3.1.2.&3.3.1.19		
9	Required Fire Resistance Rating		ontal Assemblie Resistance Rati			Design No. scription					
	(FRR)	Floors		<u>0.75</u> Ho	urs	See Constructi	on Assemb	olies	3.2.2.25		
		Roof		<u>0.75</u> Ho	urs	N/	4		3.2.1.4.		
		Mezzo	ınine	<u>N/A</u> Ho	ours N/A		3.2.2.15.				
	Fire Resistance Supporting Mem		orting Members		or De:	Design No. scription					
			Columns & A	rches 0 <u>.75</u> Ho	_	See Constructi					
		Exits		0 <u>.75</u> Ho		See Constructi					
		Suites		0.75_ Hours         See Construction Assemblies           1.0_ Hours         See Construction Assemblies		-					
			e Rm * : * Only horiz	1 <u>.0</u> Ho contal Service ro		ation required	on Assemi	olles			
0	Spatial Separation—C Wall Area of EBF (m2)	onstru L.D. (m)	L/H Permi or Max 7 H/L Openi	tted Existing	g Pr	oposed E % of F	BF RR rs.)	Desig		Comb. Comb. Const. Nor Clad	nc. Const.
	North										
	South										
	East										
	West										
	NOTES:										
21	Washroom Fixtures =	(c	a) 1 Universal b) -4 Water C -5 Water C	or Mercantile Oc Washroom Barri loset for Males loset for Female ree water closet	er Free (3 URINAL s	S & 1 WATER	CLOSET)		3.8.2.3. 3.7.4.3.(12)		

18/25 DATI MAY 1/ FEB. APR. TO CLIENT CLIENT 2 ISSUED 1 ISSUED

& MATRIX CONSTRUCTION NOTES 9356 Penetanguishene Rd

NEW - GOLF CLUBHOUSE SCALE: 3/16"=1-0"





JUNE 2025 date:

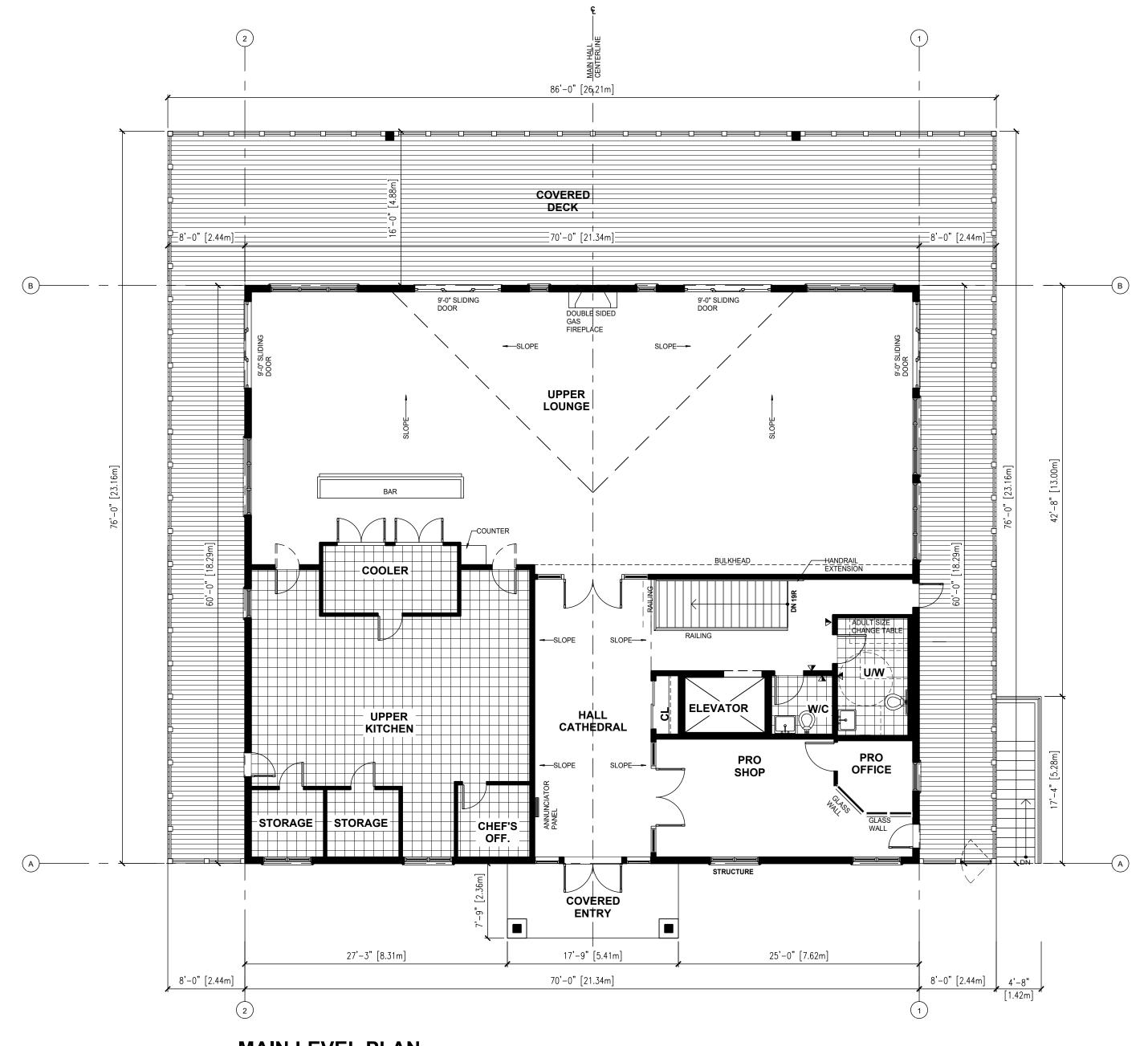
2025001 job no.

SM chk. by:

MIDLAND GOLF & COUNTRY CLUB

scale: page no.



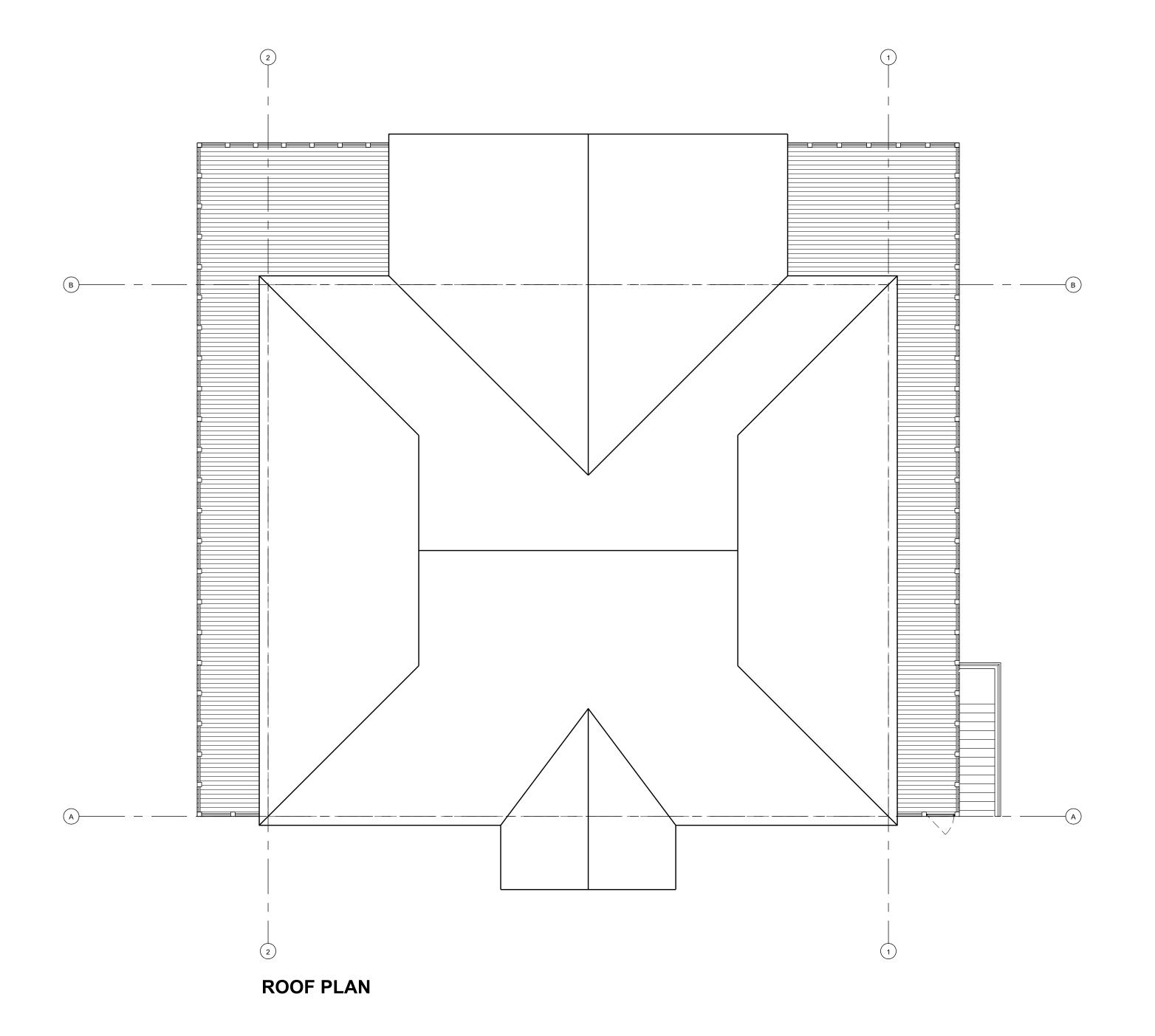


**MAIN LEVEL PLAN** 

AREA CHART

JUNE 2025 date:	PROPOSED FLOO	description: OR PLANS					
2025001 <sup>job no.</sup> SM <sup>chk. by:</sup>	MIDLAND GOLF 8	project:					
SM drawn by:	scale: 1/8"=1'-0"	page no. SPA-2					
these drawings are not to be scaled all dimensions must be verified by contractor prior to commencement of any work. any discrepancies must be reported directly to designer. drawings are the property of 1000618071 Ontario Inc o'a ABC Consultants							

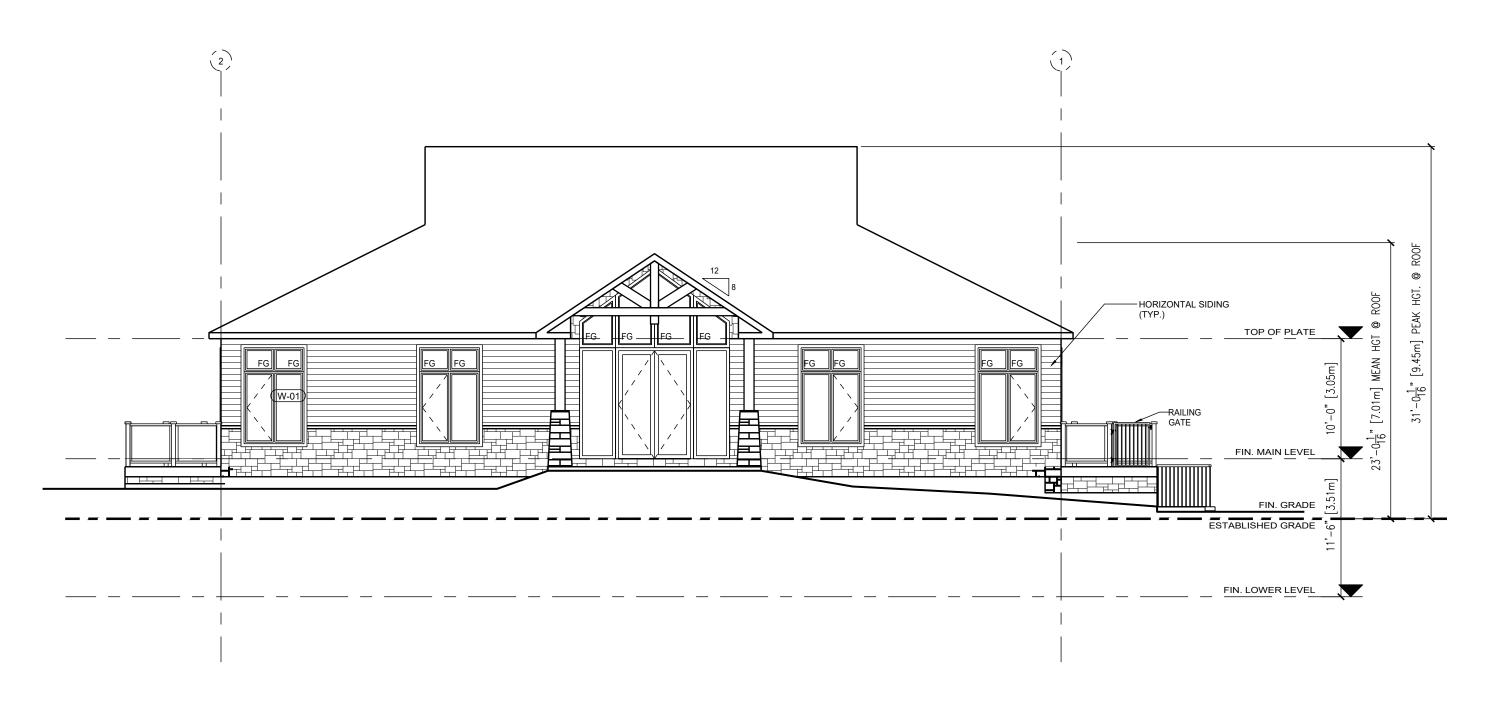




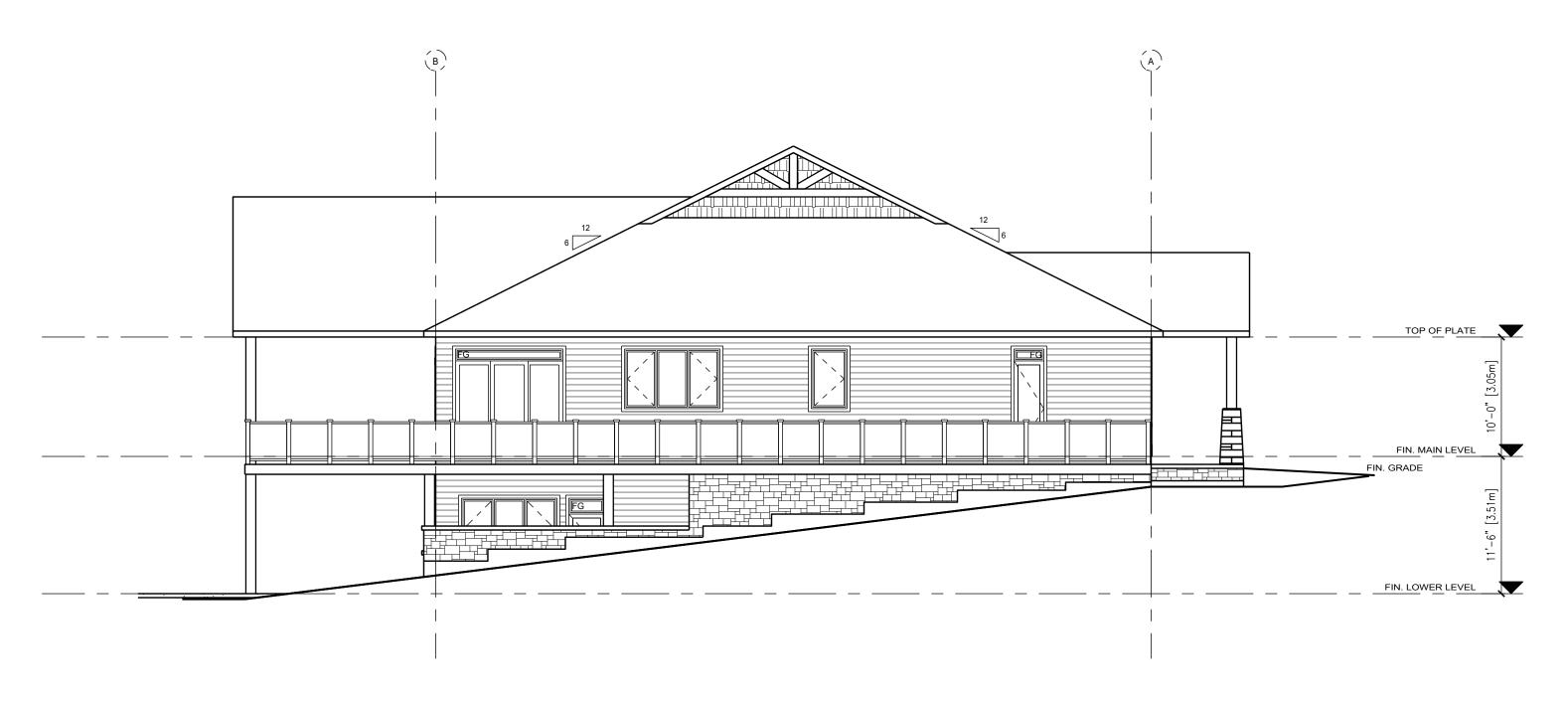


JUNE 2025 date:	description: PROPOSED ROOF PLAN						
2025001 <sup>job no.</sup>	MIDLAND GOLF 8	project: COUNTRY CLUB					
SM drawn by:	scale: 1/8"=1'-0"	page no. SPA-3					
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# **SOUTH (FRONT) ELEVATION**

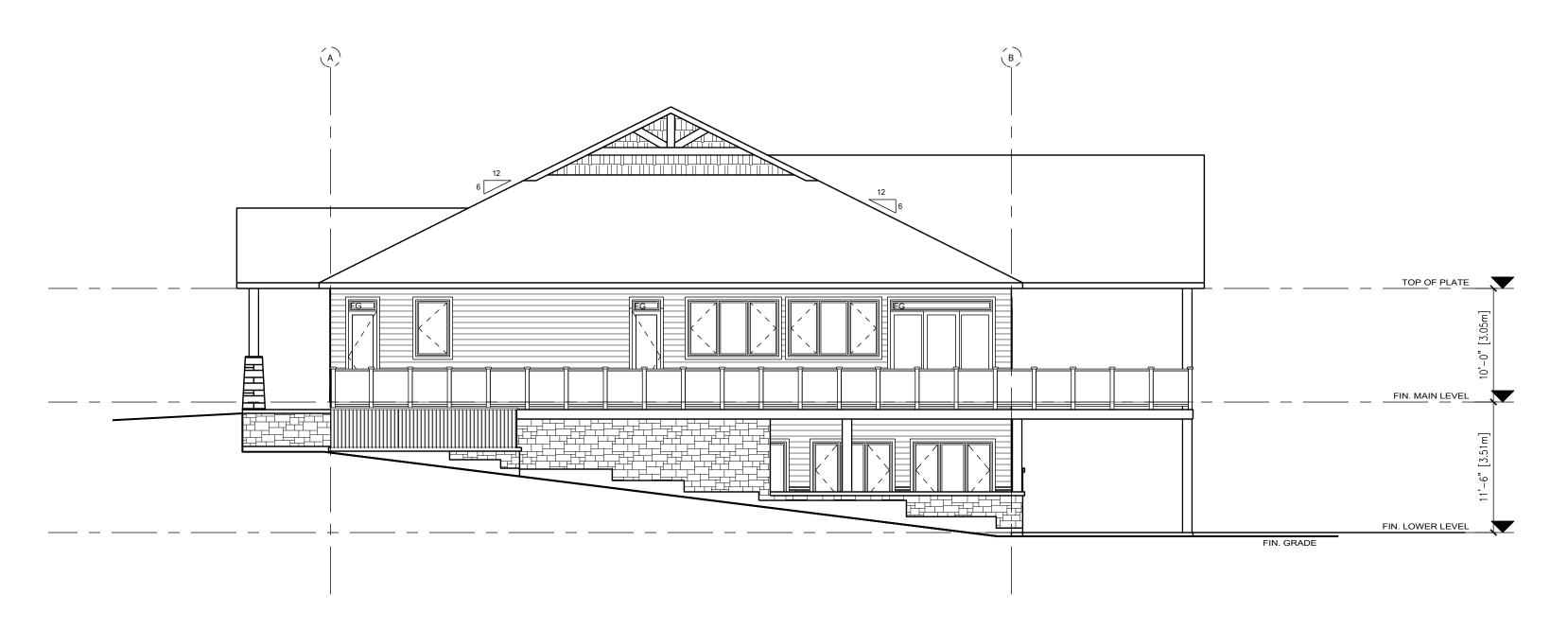


WEST (LEFT SIDE) ELEVATION

	ATIONS		Consi
MIDLAND GOLF &		roject: _UB	ABC
scale: 1/8"=1'-0"	spag SPA-4	ge no.	618071 Ontari
ł	scale: 1/8"=1'-0" /ings are not	MIDLAND GOLF & COUNTRY CL scale: pag 1/8"=1'-0" SPA-4 /ings are not to be sca	MIDLAND GOLF & COUNTRY CLUB scale: page no.



NORTH (REAR) ELEVATION



**EAST (RIGHT SIDE) ELEVATION** 

E 2025 date:	PROPOSED ELEV		description:	Consultants
5001 <sup>job no.</sup> chk. by:	MIDLAND GOLF 8	COUNTR	project: Y CLUB	
drawn by:	scale: 1/8"=1'-0"	SPA-4	page no.	618071 Onta
limensions must	vings are not t be verified by contractor screpancies must be repr	to be s	nencement	(833) 988-8.