2024 ONTARIO BUILDING CODE DATA MATRIX

Issued: 2025 01 01

PART 3 - FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY

OBC REFERENCE[1]

PRACTICE	C-ARCHITECTURE LTD
ADDRESS	202 - 3485 REBECCA ST, OAKVILLE, ON L6L 0H4
CONTACT	arshad@c-archi.com | 647.741.5917
PROJECT	ALTERATIONS, DAYCARE
LOCATION	UNIT-101, 725 BRIDGE ST, WATERLOO, ON N2V 2H1
DATE	TUESDAY JULY 27, 2025

Seal & Signature

3.00 BUILDING CODE VERSION — O.Reg. 163/24 — LAST CODE AMENDMENT: O.Reg. 447/24

3.01 PROJECT TYPE — RENOVATION — [A] 1.3.3.2.

INTERIOR ALTERATIONS FOR A NEW DAYCARE CENTRE

3.02 MAJOR OCCUPANCY CLASSIFICATION — 3.1.2.

OCCUPANCY		USE	
A2	Other assembly occupancies	DAYCARE CENTRE	

3.03 SUPERIMPOSED MAJOR OCCUPANCIES — YES — [If Yes, provide explanation below; add lines as necessary] — 3.2.2.7.

GROUP A2 OCCUPANCY SUPERIMPOSED OVER EXISTING GROUP D AND NEW GROUP A2 OCCUPANCIES

3.04 BUILDING AREA (m²)

DESCRIPTION	EXISTING	NEW	TOTAL [A] 1.4.1.2.
MAIN BUILDING	1394.72	0.00	1,394.7
TOTAL	1,394.7	-	1,394.7

3.05 GROSS AREA (m²)

DESCRIPTION	EXISTING	NEW	TOTAL [A] 1.4.1.2.
UNIT 101 - DAYCARE	699.97	0.00	700.0
TOTAL	700.0	-	700.0

3.06 MEZZANINE AREA (m²)

DESCRIPTION	MEZZ TYPE	EXISTING	NEW	TOTAL 3.2.1.1.
	N/A	0.00	0.00	-
	N/A	0.00	0.00	-
TOTAL		-	-	-

3.07 BUILDING HEIGHT — 2 STOREYS ABOVE GRADE — 6.50 (m) ABOVE GRADE — [A] 1.4.1.2. & 3.2.1.1.

0 STOREYS BELOW GRADE

3.08 HIGH BUILDING — No — 3.2.6.

3.09 NUMBER OF STREETS/ FIREFIGHTER ACCESS — 1 STREET(S) — 3.2.2.10. & 3.2.5.

3.10 BUILDING CLASSIFICATION (SIZE AND CONSTRUCTION RELATIVE TO OCCUPANCY) — 3.2.2.27. — GROUP A, DIVISION 2, UP TO 2 STOREYS, SPRINKLERED — 3.2.2.20.-83.

3.11 SPRINKLER SYSTEM — REQUIRED — PROVIDED: ENTIRE BUILDING — 3.2.1.5. &

DESCRIBE: NOT APPLICABLE — 3.2.2.17., 3.2.2.18., 3.2.4.8. to 3.2.4.10. and 3.2.5.13.

3.12 STANDPIPE SYSTEM — Not Required — 3.2.9.

3.13 FIRE ALARM SYSTEM — Required — TYPE PROVIDED: Single Stage — 3.2.4.

3.14 WATER SERVICE/ SUPPLY IS ADEQUATE — Yes — 3.2.5.7.

3.15 CONSTRUCTION TYPE — BASED ON: 3.2.2.27. — 3.2.2.20.-83.

RESTRICTIONS: Combustible Permitted

ACTUAL: Comb. & Noncomb. in Combination — HEAVY TIMBER CONSTRUCTION — NO — 3.2.1.4.

3.16 OCCUPANT LOAD

FLOOR LEVEL/AREA	OCCUPANCY TYPE	OCCUPANT LOAD (PERSONS)	BASED ON	POSTED LIMIT REQUIRED	3.1.17. and 3.1.17.1.(2)
DAYCARE - CHILDREN	A2	134	DESIGN OF SPACE	Yes	
DAYCARE - STAFF	A2	23	DESIGN OF SPACE	Yes	
TOTAL		157			

3.17 BARRIER-FREE DESIGN — YES — - — 3.8

MINIMUM NUMBER OF PEDESTRIAN ENTRANCES REQUIRED TO BE BF: EXISTING TO REMAIN — 3.8.1.2

MINIMUM NUMBER OF UNIVERSAL WASHROOMS PER BUILDING: 1 — T.3.8.2.3.A

3.18 HAZARDOUS SUBSTANCES — No — 3.3.1.2. & 3.3.1.19.

3.19 REQUIRED FIRE RESISTANCE RATINGS

HORIZONTAL ASSEMBLY	RATING (H)	SUPPORTING ASSEMBLY (H)	NONCOMBUSTIBLE IN LIEU OF RATING?	3.2.2.20-83., 3.2.1.2., 3.2.1.4., 3.2.2.15.
STOREYS BELOW GRADE	NA	NA	N/A	
FLOORS OVER BASEMENT	NA	NA	N/A	
FLOORS	NA	NA	N/A	
MEZZANINE	NA	NA	N/A	
ROOF	NA	NA	N/A	

3.20 SPATIAL SEPARATION — 3.2.3.

EXPOSING BUILDING FACE	EBF AREA (m²)	L.D. (m)	L/H OR H/L	% UPO PERMITTED / ACTUAL	REQUIRED FRR (H)	CONSTRUCTION TYPE	CLADDING TYPE
NORTH	ETR	ETR	ETR	ETR	ETR	ETR	ETR
SOUTH	ETR	ETR	ETR	ETR	ETR	ETR	ETR
EAST	ETR	ETR	ETR	ETR	ETR	ETR	ETR
WEST	ETR	ETR	ETR	ETR	ETR	ETR	ETR

3.21 PLUMBING FIXTURE REQUIREMENTS — RATIO: MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE — 3.7.4., 3.8.2.3., Tables 3.8.2.3.A. and 3.8.2.3.B

FLOOR LEVEL OR AREA	OCCUPANT LOAD (PERSONS)	OBC SENTENCE	WATER CLOSETS REQUIRED	WATER CLOSETS PROVIDED	BARRIER-FREE WATER CLOSETS REQUIRED / PROVIDED	UNIVERSAL WASHROOMS REQUIRED / PROVIDED
DAYCARE - CHILDREN	134	3.7.4.3. (13)	13	13	0 | 0	1 | 1
DAYCARE - STAFF	23	3.7.4.3. (13)	2	2	0 | 0	

FOR REFERENCE ONLY. TO BE PART OF INTERIOR FIT-OUT PERMITS

3.22 NUMBER AND LOCATION OF EXITS FROM FLOOR AREAS — 3.4.2

MINIMUM NUMBER OF EXITS REQUIRED	2
NUMBER OF EXITS PROVIDED	2
MAXIMUM TRAVEL DISTANCE TO ONE EXIT REQUIRED	45 M

3.23 EXIT WIDTH BASED ON OCCUPANT LOAD — 3.4.3

EXIT WIDTH	6.1 MM / PERSON AND 9.2 MM (FOR STAIRS)
DOOR LEAF WIDTH	915 MM
TOTAL OCCUPANT LOAD	85
TOTAL AGGREGATE WIDTH OF EXITS REQUIRED	915 MM (DOOR)
TOTAL AGGREGATE WIDTH OF EXITS PROVIDED	3660 MM (DOOR)

3.24 SOUND TRANSMISSION DESIGN — IS THERE MORE THAN 1 DWELLING UNIT IN THE BUILDING?: N/A

NOTES: NA

OPTION IMPLEMENTED: -

3.25 ALTERNATIVE SOLUTIONS — NA — [A] 2.1.1. and [C]2.1

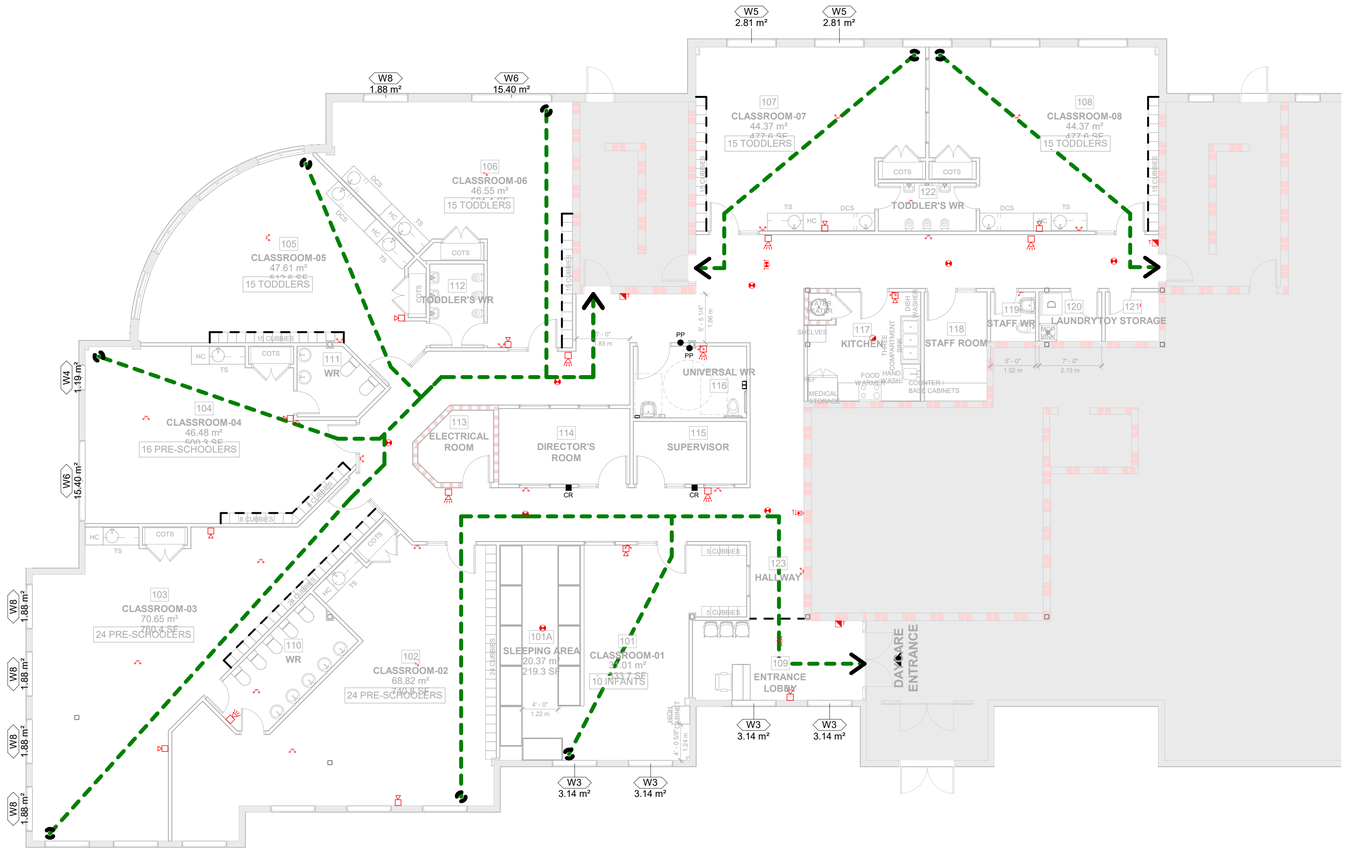
3.26 NOTES

NA

NA

1 *ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY [A] FOR DIVISION A AND [C] FOR DIVISION C*

Ontario Building Code Data Matrix, Part 3
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1 A100 MAIN FLOOR - EGRESS LAYOUT

1/8" = 1'-0"

PATH	TRAVEL DISTANCE (45 MAX)
ROUTE 1A	20.6 m
ROUTE 1B	28.3 m
ROUTE 1C	28.8 m
ROUTE 1E	21.0 m
ROUTE 1F	17.9 m
ROUTE 1G	13.5 m
ROUTE 1H	11.3 m
ROUTE 1J	11.2 m

REV #	ISSUE DATE	DRAWING ISSUE	DRAWN	REVIEW
C	2025.07.27	BLDG PERMIT APPLICATION	AS	AS
B	2025.07.27	MOE & PH APPROVALS	AS	AS
A	2025.04.22	SCHEMATIC DESIGN	UA	AS

ISSUE #	ISSUE DATE	PROJECT ISSUE	DRAWN	REVIEW

OWNER / CLIENT

EYES CANADA CHILD CARE INC

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JULY 31, 2025

PROJECT NORTH

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PROJECT

DAYCARE CENTRE

UNIT-101, 725 BRIDGE ST, WATERLOO

DRAWING TITLE

GROUND FLOOR - EGRESS LAYOUT

PROJECT NO.	PLOT DATE
25-026	JULY 27, 2025
	SCALE: AS NOTED

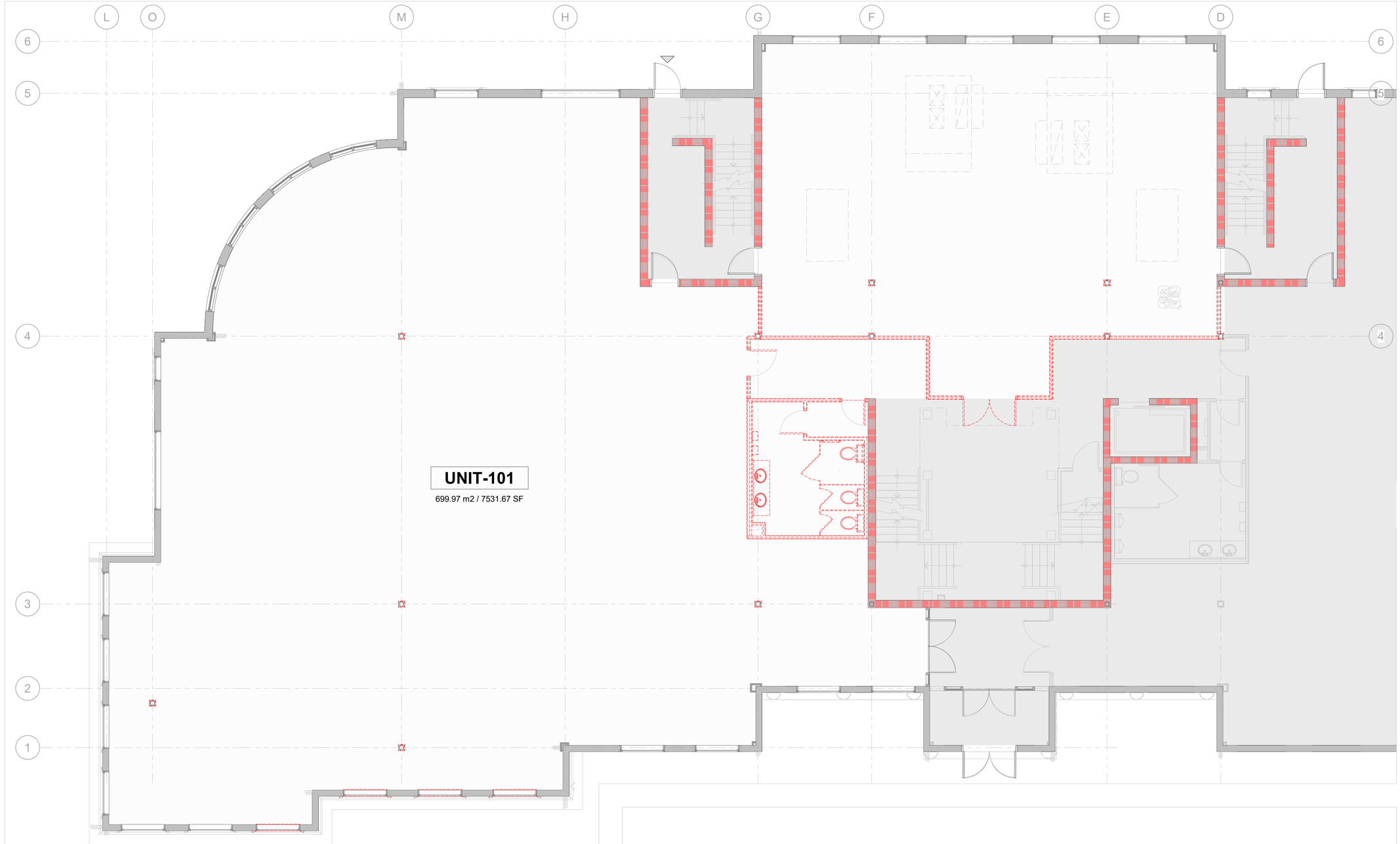
SHEET NO.

A100

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LEGEND	
	EXISTING WALL
	DEMOLITION
	PROPOSED
	2HR F.R.R
	1HR F.R.R
EXIT	EXITS

1 / A101 **MAIN FLOOR - EXISTING LAYOUT**

3/16" = 1'-0"

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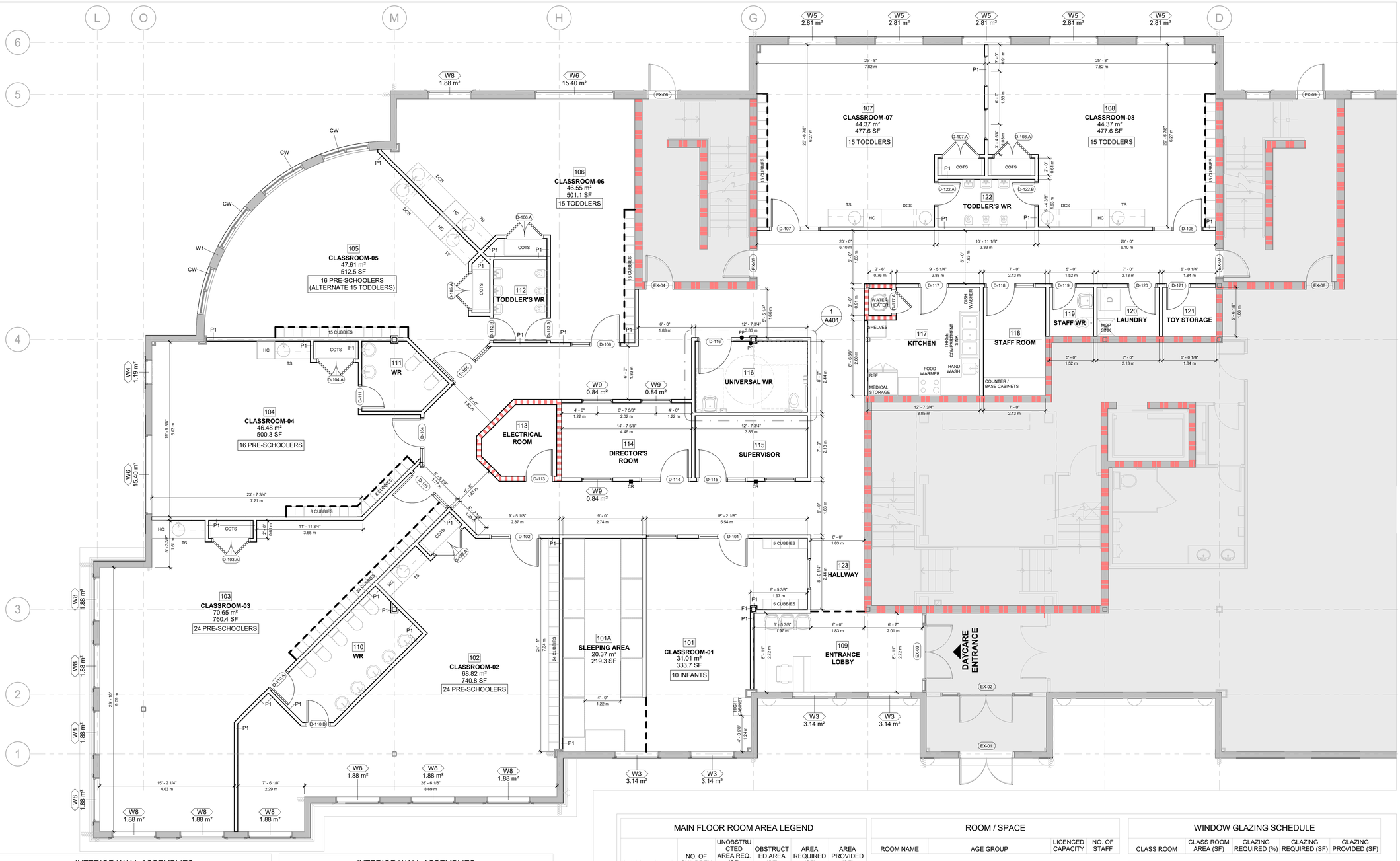
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GROUND FLOOR -
EXISTING LAYOUT

PROJECT NO.	PLOT DATE
25-026	JULY 27, 2025
	SCALE AS NOTED

SHEET NO.

A101



INTERIOR WALL ASSEMBLIES

TYPE	DESCRIPTION	FIRE RATING / STC
CW		
F1	1 LAYER 5/8" TYPE X GYPSUM WALL BOARD, TAPED AND SANDED, READY FOR PAINT 6" METAL STUDS AT 16" O.C. ACOUSTICAL FIRE RATED MINERAL WOOL INSULATION TO FILL STUD CAVITY 2 LAYERS 5/8" TYPE X GYPSUM WALL BOARD, TAPED AND SANDED, READY FOR PAINT	1 HOUR F.R.R. PARTITION
P1	1/2" GYPSUM WALL BOARD, TAPED AND SANDED, PRIMED AND PAINTED ENGINEERED COLD FORMED STEEL FRAMING PER FRAMETECH 1/2" GYPSUM WALL BOARD, TAPED AND SANDED, PRIMED AND PAINTED	TYPICAL PARTITION

INTERIOR WALL ASSEMBLIES

TYPE	DESCRIPTION	FIRE RATING / STC
P2	1 LAYER 5/8" TYPE X GYPSUM WALL BOARD, TAPED AND SANDED, READY FOR PAINT 6" METAL STUDS AT 16" O.C. ACOUSTICAL FIRE RATED MINERAL WOOL INSULATION TO FILL STUD CAVITY 2 LAYERS 5/8" TYPE X GYPSUM WALL BOARD, TAPED AND SANDED, READY FOR PAINT	1 HOUR F.R.R. PARTITION
P3	1 LAYER 5/8" TYPE X GYPSUM WALL BOARD, TAPED AND SANDED, READY FOR PAINT 6" METAL STUDS AT 16" O.C. ACOUSTICAL FIRE RATED MINERAL WOOL INSULATION TO FILL STUD CAVITY 2 LAYERS 5/8" TYPE X GYPSUM WALL BOARD, TAPED AND SANDED, READY FOR PAINT	1 HOUR F.R.R. PARTITION

MAIN FLOOR ROOM AREA LEGEND

CLASS ROOM NO.	NO. OF CHILDREN	UNOBSTRUCTED AREA REQ. (SF)	OBSTRUCTED AREA (SF)	AREA REQUIRED (SF)	AREA PROVIDED (SF)
CLASSROOM 01	10	300 SF	20 SF	320 SF	553.4 SF
CLASSROOM 02	24	720 SF	20 SF	740 SF	740.8 SF
CLASSROOM 03	24	720 SF	20 SF	740 SF	760.4 SF
CLASSROOM 04	16	480 SF	20 SF	500 SF	518.9 SF
CLASSROOM 05	15	450 SF	20 SF	450 SF	512.5 SF
CLASSROOM 06	15	450 SF	20 SF	450 SF	501.1 SF
CLASSROOM 07	15	450 SF	20 SF	450 SF	477.6 SF
CLASSROOM 08	15	450 SF	20 SF	450 SF	477.6 SF

ROOM SPACE STATISTICS

TOTAL LICENCED CAPACITY	TOTAL NUMBER OF STAFF
134	23

INFANTS: 10
TODDLERS: 60
PRO-SCHOOLERS: 64

TOTAL: 134 CHILDREN

ROOM / SPACE

ROOM NAME	AGE GROUP	LICENCED CAPACITY	NO. OF STAFF
CLASSROOM 01	INFANT 0 - 18 MONTHS	10	03
CLASSROOM 02	PRE-SCHOOLERS 2.5YRS - 4 YRS	24	03
CLASSROOM 03	PRE-SCHOOLERS 2.5YRS - 4 YRS	24	03
CLASSROOM 04	PRE-SCHOOLERS 2.5YRS - 4 YRS	16	02
CLASSROOM 05	TODDLER 18 MONTHS - 2.5 YRS	15	03
CLASSROOM 06	TODDLER 18 MONTHS - 2.5 YRS	15	03
CLASSROOM 07	TODDLER 18 MONTHS - 2.5 YRS	15	03
CLASSROOM 08	TODDLER 18 MONTHS - 2.5 YRS	15	03

WINDOW GLAZING SCHEDULE

CLASS ROOM	CLASS ROOM AREA (SF)	GLAZING REQUIRED (%)	GLAZING REQUIRED (SF)	GLAZING PROVIDED (SF)
CLASSROOM 01	553.4 SF	10%	55.34 SF	67.57 SF
CLASSROOM 02	740.8 SF	10%	74.08 SF	80.94 SF
CLASSROOM 03	760.4 SF	10%	76.04 SF	121.45 SF
CLASSROOM 04	518.9 SF	10%	51.89 SF	178.51 SF
CLASSROOM 05	512.5 SF	10%	51.25 SF	120.42 SF
CLASSROOM 06	501.1 SF	10%	50.11 SF	178.51 SF
CLASSROOM 07	477.6 SF	10%	47.76 SF	60.49 SF
CLASSROOM 08	477.6 SF	10%	47.76 SF	60.49 SF

1 A102 MAIN FLOOR - PROPOSED LAYOUT

3/16" = 1'-0"

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