

# Lighthouse Christian Academy

## School Building



Lacombe County, AB

School Building

Architect:



Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate

design studio ltd.



















Lighthouse Christian Academy

School Building

Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

SYMBOL LEGEND			
CONSTRUCTION REFERENCE		CONSTRUCTION TAG	
FINISH REFERENCE		EXTERIOR FINISH TAG	
GRID NUMBER		GRID BUBBLE	
DOOR REFERENCE		DOOR TAG	
ROOM NUMBER		ROOM TAG	
DESCRIPTION		ELEVATION DATUM	
ELEVATION			
DRAWING NUMBER		BUILDING SECTION CALLOUT	
SHEET NUMBER		ELEVATION CALLOUT	
WINDOW REFERENCE		WINDOW TAG	
ELEVATION		ELEVATION TAG	
DRAWING TITLE		DRAWING TITLE	
DRAWING NUMBER			
SHEET NUMBER			

DRAWING INDEX		
Sheet Number	Sheet Name	Current Revision
A000	Index	C
A001	Code Review	C
A002	Building Areas	C
A101	Site Plan Overall	C
A102	Landscaping Plan	C
A103	Site Details	C
A201	Floor Plan Overall	C
A401	Building Sections	C
A402	Building Sections	C
A403	Building Sections	C
A701	Isometric Views	C
A702	Exterior Render	C
A703	Exterior Render	C
Sheet Count: 13		

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-23
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No: A24488

Date: 2025-07-04 4:49:53 PM

Drawn by: KL, KS

Checked by: LB, AB

Sheet Name:

Index

A000



BUILDING INFORMATION &  
BUILDING CODE ANALYSIS

BUILDING A

BUILDING USE & CLASSIFICATION:  
A-2 - ASSEMBLY  
BUILDING DESIGN:  
NATIONAL BUILDING CODE - 2023 ALBERTA EDITION - 3.2.2.25  
(NON-SPRINKLERED)  
(COMBUSTIBLE)(NON-COMBUSTIBLE)  
NO STANDPIPE SYSTEM REQUIRED AS PER 3.2.5.8  
BUILDING AREA:  
PROVIDED AREA: 1,268.92 m<sup>2</sup> - 13,658.59 ft<sup>2</sup>  
MAX: 1,600 m<sup>2</sup> - (17,222 ft<sup>2</sup>)  
BUILDING HEIGHT:  
1 STOREY(S)  
BUILDING ACCESS:  
1 STREET(S)  
FIRE SEPARATIONS AND RATINGS:  
FLOOR ASSEMBLIES SHALL BE FIRE SEPARATIONS AND,  
IF OF COMBUSTIBLE CONSTRUCTION, SHALL HAVE A  
FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN,  
MEZZANINES SHALL HAVE, IF OF COMBUSTIBLE CONSTRUCTION,  
A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN,  
ROOF ASSEMBLIES SHALL HAVE, IF OF COMBUSTIBLE CONSTRUCTION,  
A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN, EXCEPT THAT IN  
A BUILDING NOT MORE THAN 1 STOREY IN BUILDING HEIGHT, THE  
FIRE-RESISTANCE RATING IS PERMITTED TO BE WAIVED PROVIDED  
THE ROOF ASSEMBLY IS CONSTRUCTED AS A  
FIRE-RETARDANT-TREATED WOOD ROOF SYSTEM CONFORMING TO  
ARTICLE 3.1.14.1, AND THE BUILDING AREA IS NOT MORE THAN  
I) 800 m<sup>2</sup> IF FACING ONE STREET,  
II) 1 000 m<sup>2</sup> IF FACING 2 STREETS, OR  
III) 1 200 m<sup>2</sup> IF FACING 3 STREETS, AND  
LOADBEARING WALLS, COLUMNS AND ARCHES SUPPORTING AN  
ASSEMBLY REQUIRED TO HAVE A FIRE-RESISTANCE RATING SHALL  
II) HAVE A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN, OR  
III) BE OF NONCOMBUSTIBLE CONSTRUCTION.  
BUILDINGS EXITS:  
3.4.2.5. MAX. TRAVEL DISTANCE FOR EXITS = 30 m

BUILDING B

BUILDING USE & CLASSIFICATION:  
A-2 - ASSEMBLY  
BUILDING DESIGN:  
NATIONAL BUILDING CODE - 2023 ALBERTA EDITION - 3.2.2.25  
(NON-SPRINKLERED)  
(COMBUSTIBLE)(NON-COMBUSTIBLE)  
NO STANDPIPE SYSTEM REQUIRED AS PER 3.2.5.8  
BUILDING AREA:  
PROVIDED AREA: 1,597.95 m<sup>2</sup> - 17,200.16 ft<sup>2</sup>  
MAX: 1,600 m<sup>2</sup> - (17,222 ft<sup>2</sup>)  
BUILDING HEIGHT:  
1 STOREY(S)  
BUILDING ACCESS:  
1 STREET(S)  
FIRE SEPARATIONS AND RATINGS:  
FLOOR ASSEMBLIES SHALL BE FIRE SEPARATIONS AND,  
IF OF COMBUSTIBLE CONSTRUCTION, SHALL HAVE A  
FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN,  
MEZZANINES SHALL HAVE, IF OF COMBUSTIBLE CONSTRUCTION,  
A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN,  
ROOF ASSEMBLIES SHALL HAVE, IF OF COMBUSTIBLE CONSTRUCTION,  
A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN, EXCEPT THAT IN  
A BUILDING NOT MORE THAN 1 STOREY IN BUILDING HEIGHT, THE  
FIRE-RESISTANCE RATING IS PERMITTED TO BE WAIVED PROVIDED  
THE ROOF ASSEMBLY IS CONSTRUCTED AS A  
FIRE-RETARDANT-TREATED WOOD ROOF SYSTEM CONFORMING TO  
ARTICLE 3.1.14.1, AND THE BUILDING AREA IS NOT MORE THAN  
I) 800 m<sup>2</sup> IF FACING ONE STREET,  
II) 1 000 m<sup>2</sup> IF FACING 2 STREETS, OR  
III) 1 200 m<sup>2</sup> IF FACING 3 STREETS, AND  
LOADBEARING WALLS, COLUMNS AND ARCHES SUPPORTING AN  
ASSEMBLY REQUIRED TO HAVE A FIRE-RESISTANCE RATING SHALL  
II) HAVE A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN, OR  
III) BE OF NONCOMBUSTIBLE CONSTRUCTION.  
BUILDINGS EXITS:  
3.4.2.5. MAX. TRAVEL DISTANCE FOR EXITS = 30 m

LIMITING DISTANCE REQUIREMENTS: 3.2.3.

NORTH BUILDING FACE:  
LIMITING DISTANCE = >9m  
ALLOWABLE OPENINGS = 100%  
REQUIRED RATING: N/A  
SOUTH BUILDING FACE:  
LIMITING DISTANCE = >9m  
ALLOWABLE OPENINGS = 100%  
REQUIRED RATING: N/A  
EAST BUILDING FACE:  
LIMITING DISTANCE = >9m  
ALLOWABLE OPENINGS = 100%  
REQUIRED RATING: N/A  
WEST BUILDING FACE:  
LIMITING DISTANCE = >9m  
ALLOWABLE OPENINGS = 100%  
REQUIRED RATING: N/A

FIRE HYDRANT REQUIRED WITHIN 90 m OF PRINCIPAL ENTRANCE

FIXTURE COUNT

HEALTH / WATER CLOSETS / LAVATORIES (3.7.2.2-A)

USE: ASSEMBLY  
OCCUPANT LOAD: 250 PERSONS  
WATER CLOSETS REQUIRED: 5 MALE, 5 FEMALE  
PROVIDED: 10 MALE, 10 FEMALE, 5 UNIVERSAL

WATER SUPPLY

WATER SUPPLY REQUIREMENTS AS PER 3.2.5.7.

BUILDING B VOLUME = 8,435.15m<sup>3</sup>  
WATER SUPPLY COEFFICIENT = 10  
WATER SUPPLY COEFFICIENT (w/ HEAVY TIMBER) = 19  
SPATIAL COEFFICIENT = 1.5  
CALCULATION - 8,435.15m<sup>3</sup> x 10 x 1.5 = 126,527.2 LITRES  
CALCULATION (w/ HEAVY TIMBER) - 8,435.15m<sup>3</sup> x 19 x 1.5 = 240,401.78 LITRES  
GLULAM ROOF TBC. HEAVY TIMBER CALCULATION IS TO BE USED IF CONFIRMED

TO BE REVIEWED AT BP PHASE

**NOTE:**  
- PLANS INDICATE DEFICIT OF FEMALE SPECIFIC  
WATER CLOSETS COMPARED TO REQUIREMENT.

Occupant Load as per A.B.C. 3.1.17.1.				
Occupancy Type	Area (m <sup>2</sup> )	Area (ft <sup>2</sup> )	Area per Person (m <sup>2</sup> )	Occupant Load
Assembly	1,380.49 m <sup>2</sup>	14,859.51 ft <sup>2</sup>	0	0
Classroom	866.66 m <sup>2</sup>	9,328.7 ft <sup>2</sup>	1.85	475
Library	86.54 m <sup>2</sup>	931.47 ft <sup>2</sup>	1.85	47
Offices	246.03 m <sup>2</sup>	2,648.29 ft <sup>2</sup>	9.3	27
Storage / Utilities	286.99 m <sup>2</sup>	3,089.17 ft <sup>2</sup>	46	11
	2,866.72 m <sup>2</sup>	30,857.14 ft <sup>2</sup>		560

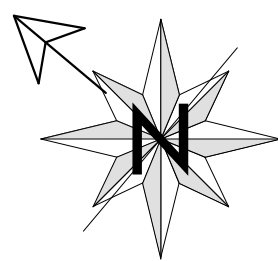
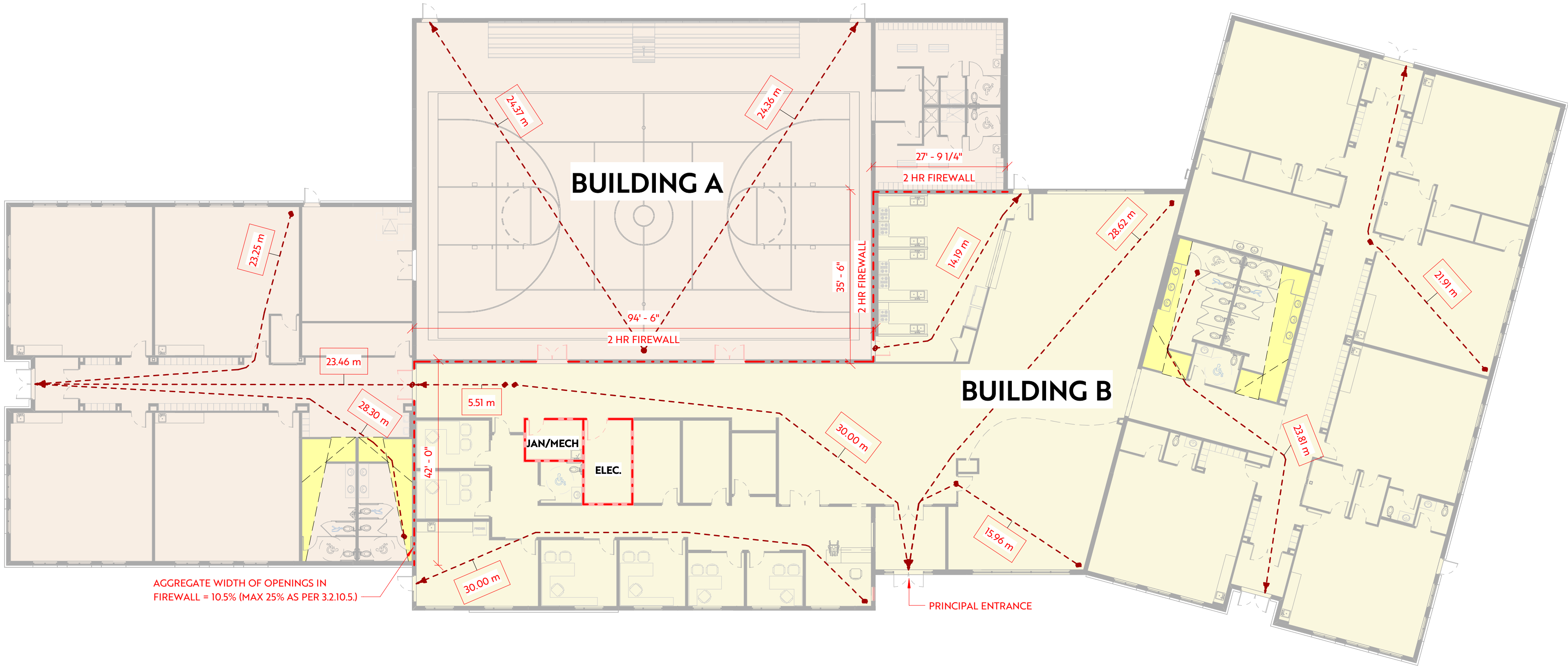
**NOTE:** A PERMANENT SIGN INDICATING A MAXIMUM OCCUPANT LOAD OF 250 PEOPLE SHALL BE POSTED IN A CONSPICUOUS LOCATION

NOTES

- RATED WALLS SHALL BE FRAMED TO UNDERSIDE OF RATED FLOOR ASSEMBLY OR ROOF ASSEMBLY
- ADD BLOCKING BETWEEN STUDS AS REQUIRED TO SUPPORT ALL EDGES OF 1/2" TYPE 'X' GYPSUM BOARD
- FIRE SEPARATION AS SHOWN:

0 HR  
3/4 HR  
1 HR  
2 HR  
4 HR

REPRESENTS LINE OF SIGHT FROM  
ENTRANCE OF ROOM  
- DEMONSTRATES COMPLIANCE W/ A.B.C. 3.7.2.2.(15) (b)



Architect:



Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate  
design studio ltd.



Lighthouse Christian Academy

School Building

Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

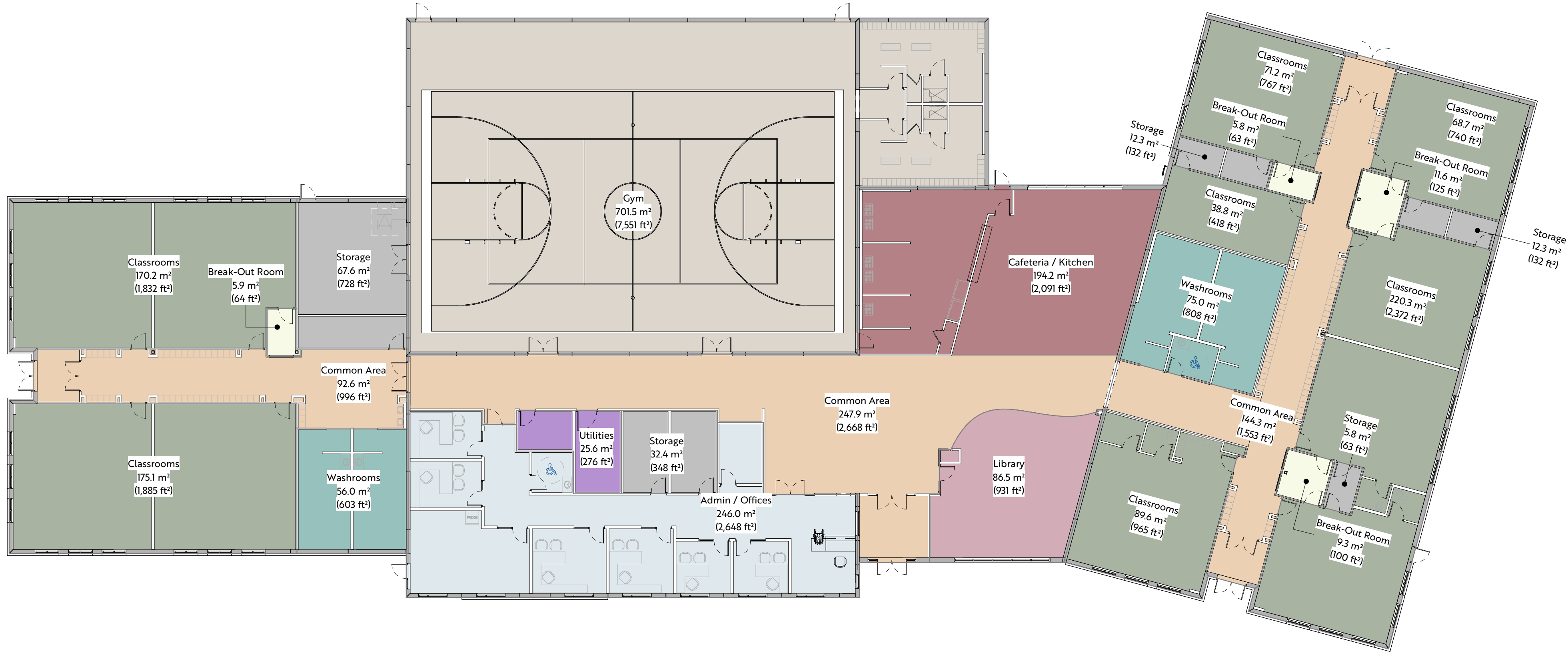
NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 3:14:11 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

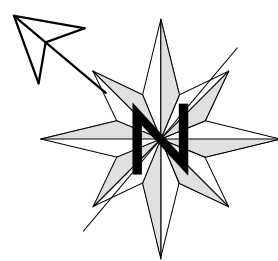
Code Review

A001





Floor Areas		
Admin / Offices	246.03 m²	2,648.29 ft²
Break-Out Room	32.63 m²	351.25 ft²
Cafeteria / Kitchen	194.23 m²	2,090.65 ft²
Classrooms	834.03 m²	8,977.45 ft²
Common Area	484.74 m²	5,217.68 ft²
Gym	701.53 m²	7,551.18 ft²
Library	86.54 m²	931.47 ft²
Storage	130.34 m²	1,402.97 ft²
Utilities	25.6 m²	275.58 ft²
Washrooms	131.05 m²	1,410.62 ft²
Grand total	2,866.72 m²	30,857.14 ft²



1 Building Area Plan  
A002 1/16" = 1'-0"

Architect:



Stamp:

PRELIMINARY  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.



Lighthouse Christian Academy  
School Building  
Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

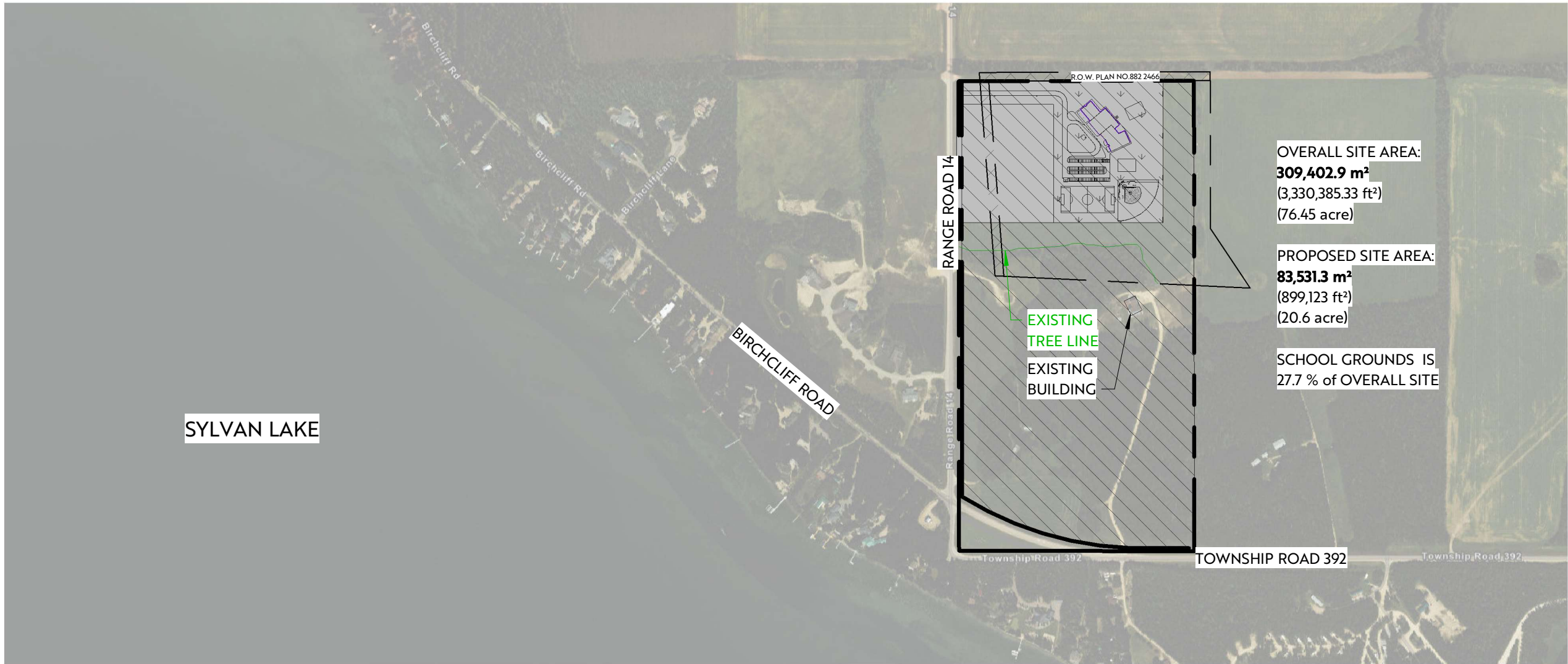
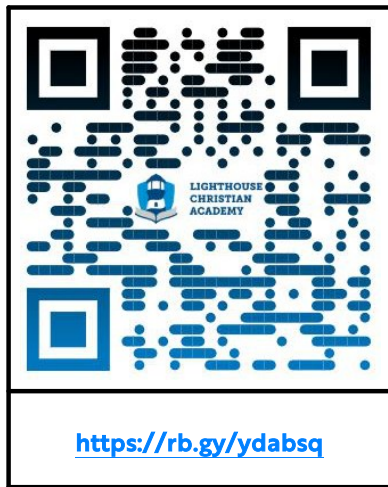
NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 3:14:13 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

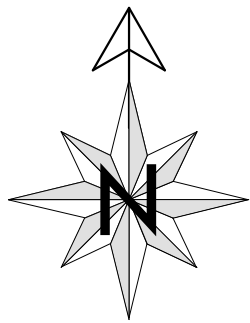
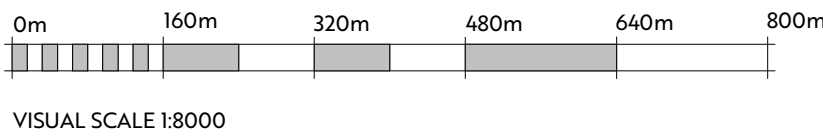
Building Areas

A002





1 Key Plan  
A101 1: 8000



#### NOTES CONCERNING BUILDING LOCATION

- ENGINEER IS TO BE ADVISED BEFORE START OF CONSTRUCTION OF ANY UN-KNOWN FEATURES ON THIS OR THE ADJACENT SITES THAT MIGHT IMPACT ON THE PROJECT EITHER DURING CONSTRUCTION OR FUTURE USE.
- THE "NORTH" ORIENTATION REFERS TO NOMINAL NORTH RATHER THAN TRUE OR MAGNETIC NORTH.
- ANY DIMENSIONS THAT SHOW THE LOCATION OF EXISTING FEATURES ARE APPROXIMATE ONLY, AND ARE TO BE CONFIRMED BEFORE CONSTRUCTION START AS REQUIRED BY A CERTIFIED LAND SURVEYOR.
- LANDSCAPING IS SUBJECT TO CHANGE.

Parking Schedule		
Stall Type	Count	Required
BARRIER FREE PARKING	4	4
PARKING	89	14
TOTAL STALLS	93	

#### SITE PLAN LEGEND

PROPERTY LINE	---
SETBACK LINE	---
RIGHT OF WAY LINE	---
RIGHT OF WAY HATCH	XXXXXX
PROPOSED BUILDING	---
SERVICE ROOM	---
FENCE	---
MAN DOOR	---
OVERHEAD DOOR	---
BARRIER FREE ENTRANCE	---

#### SITE MATERIAL LEGEND

APRON	GRAVEL
SIDEWALK	LANDSCAPING
LIGHT DUTY ASPHALT	HARD LANDSCAPING
HEAVY DUTY ASPHALT	MULCH

Site Schedule		
ON SITE		
APRON	58.1 m²	625.49 ft²
HEAVY DUTY ASPHALT	4,630.7 m²	49,844.76 ft²
LANDSCAPING	32,061.1 m²	345,102.93 ft²
LIGHT DUTY ASPHALT	1,344.5 m²	14,472.55 ft²
MULCH	1,234.4 m²	13,286.87 ft²
SIDEWALK	1,358.4 m²	14,621.85 ft²
	40,687.3 m²	437,954.45 ft²
OFF SITE		
HEAVY DUTY ASPHALT - BOULEVARD	81.7 m²	879.74 ft²
LANDSCAPING - BOULEVARD	248.9 m²	2,679.32 ft²
	330.6 m²	3,559.06 ft²
Grand total	41,017.9 m²	441,513.51 ft²

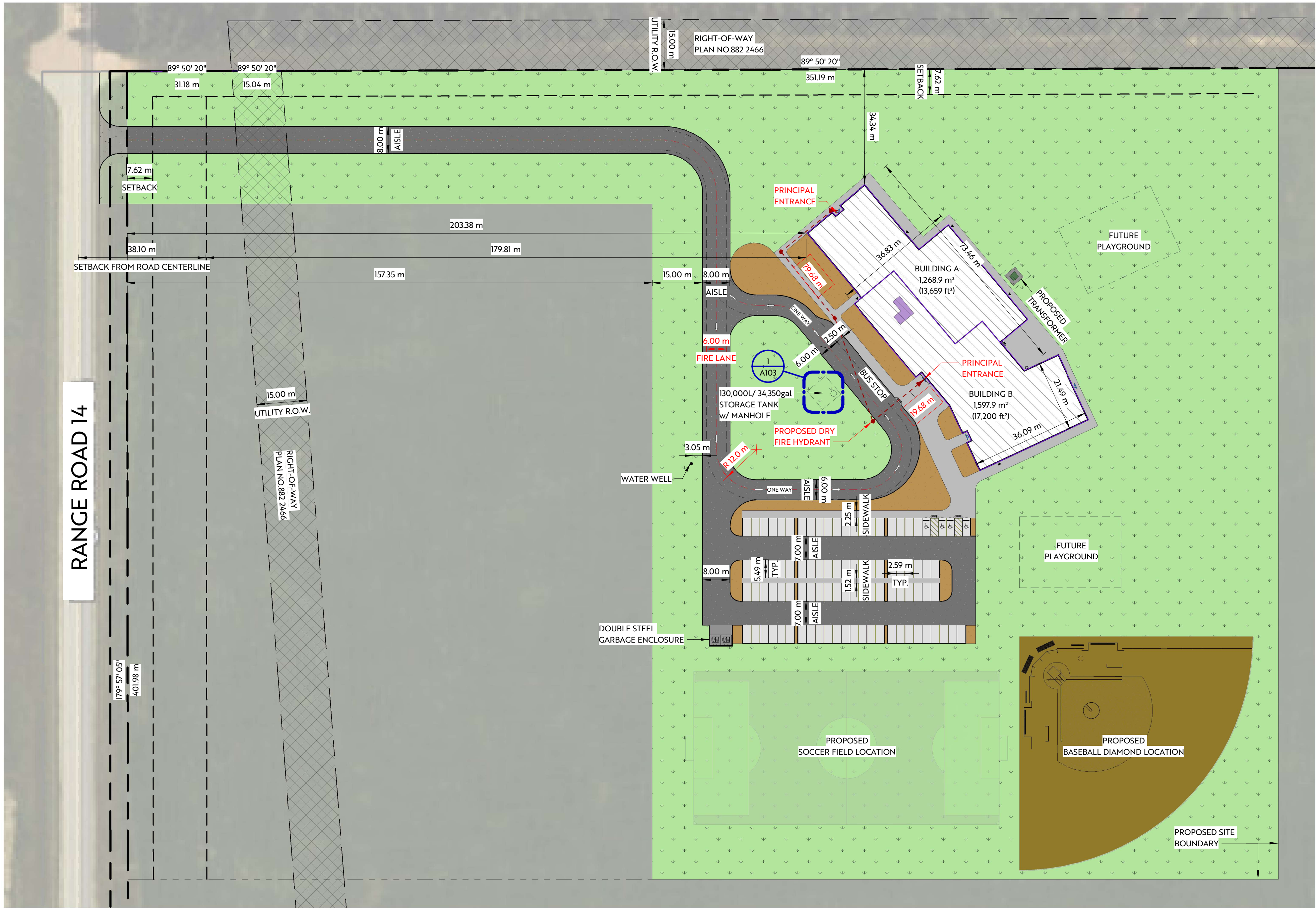
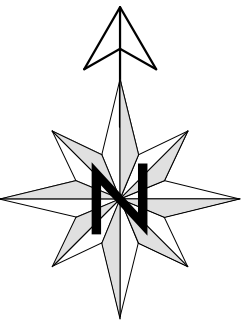
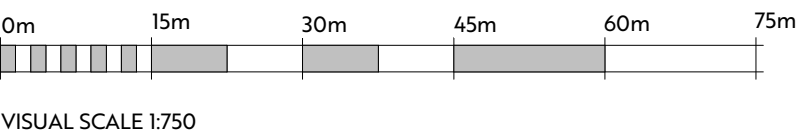
#### BYLAW INFORMATION LACOMBE COUNTY LAND USE BYLAW

ZONING:  
7.1 AGRICULTURAL DISTRICT (A) → TBC IF NEEDS REZONING

SETBACKS  
FRONT YARD (NE):  
REQUIRED: 7.62 m (25 ft)  
REAR YARD (SW):  
REQUIRED: 7.62 m (25 ft)  
SIDE YARD (NW):  
REQUIRED: 7.62 m (25 ft)  
SIDE YARD (SE):  
REQUIRED: 7.62 m (25 ft)  
SITE SIZE:  
83,531.3 m² (899,123 ft²) (20.6 acre)  
SITE COVERAGE:  
PROVIDED: 3.45%  
MAX: N/A  
BUILDING HEIGHT:  
PROVIDED: 9.14m (30 ft)  
MAX: N/A  
PARKING:  
PARKING REQUIREMENTS:  
PLACES OF PUBLIC ASSEMBLY  
1 STALL/ 99.96 m²

1385 m² / 99.96 m²  
13.8 ~ 14 STALLS  
STALLS REQUIRED = 14  
UNIVERSAL STALLS REQUIRED = 2

2 Enlarged Site Plan  
A101 1: 750



Architect:



Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate  
design studio ltd.



Lighthouse Christian Academy

School Building

Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-23
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 4:49:55 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

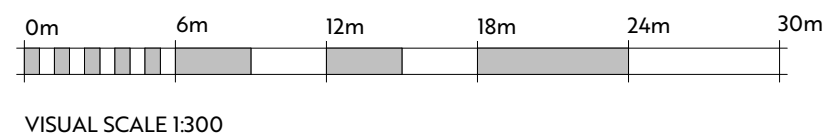
Site Plan  
Overall

A101

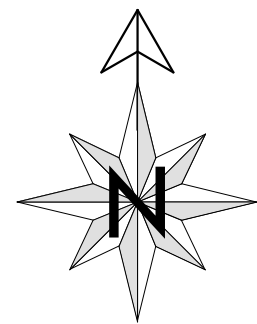




2 Enlarged Landscaping Plan  
A102 1:300



VISUAL SCALE 1:300



BYLAW INFORMATION - LANDSCAPING  
LACOMBE COUNTY LAND USE BYLAW (6.14)

6.14(5a) PROVIDE YEAR ROUND COLOUR AND INTEREST, A TREE MIX OF APPROX. 50% CONIFEROUS AND 50% DECIDUOUS  
6.14(5g-i) ONE TREE FOR EVERY 3.05m (10ft) AND ONE SHRUB FOR EACH 1.83m (6ft) OF LINEAR FRONTAGE ABUTTING THE RIGHT-OF-WAY **SHALL** BE REQUIRED  
6.14(5g-ii) ONE TREE FOR EVERY 3.05m (10ft) AND ONE SHRUB FOR EACH 1.83m (6ft) OF LINEAR SIDE OR REAR YARD **MAY** BE REQUIRED

50% OF DECIDUOUS TREES SHALL BE AT LEAST 65mm (2.5in) CALIPER AND 50% SHALL BE A MINIMUM OF 76mm (3in) CALIPER.  
75% OF CONIFEROUS TREES SHALL BE A MINIMUM OF 2.5m (8.2ft) IN HEIGHT AND 25% SHALL BE A MINIMUM OF 3.5m (11.5ft) IN HEIGHT.

REQUIRED TREES FROM FRONTAGE = 80 TREES  
REQUIRED SHRUBS FROM FRONTAGE = 133 SHRUBS

REQUIRED TREES FROM SIDE AND REAR YARD (IF APPLICABLE) = 308 TREES  
REQUIRED SHRUBS FROM SIDE AND REAR YARD (IF APPLICABLE) = 513 SHRUBS

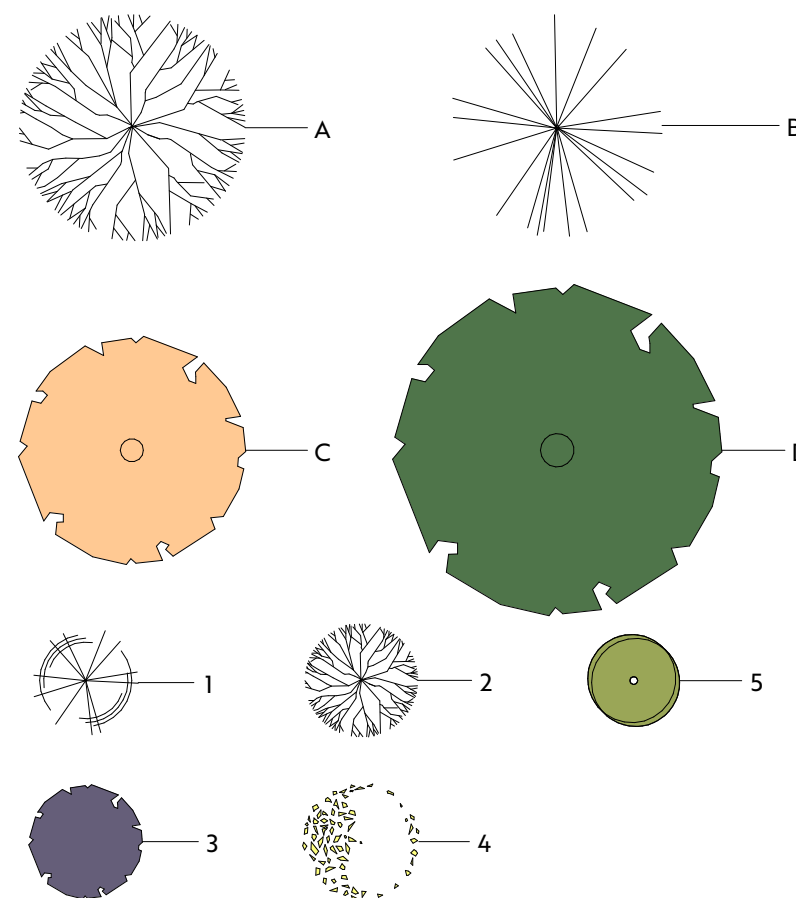
SITE MATERIAL LEGEND

	APRON		GRAVEL
	SIDEWALK		LANDSCAPING
	LIGHT DUTY ASPHALT		HARD LANDSCAPING
	HEAVY DUTY ASPHALT		MULCH

Tree & Shrub Schedule

Shrub	162
Tree	72
Grand total	234

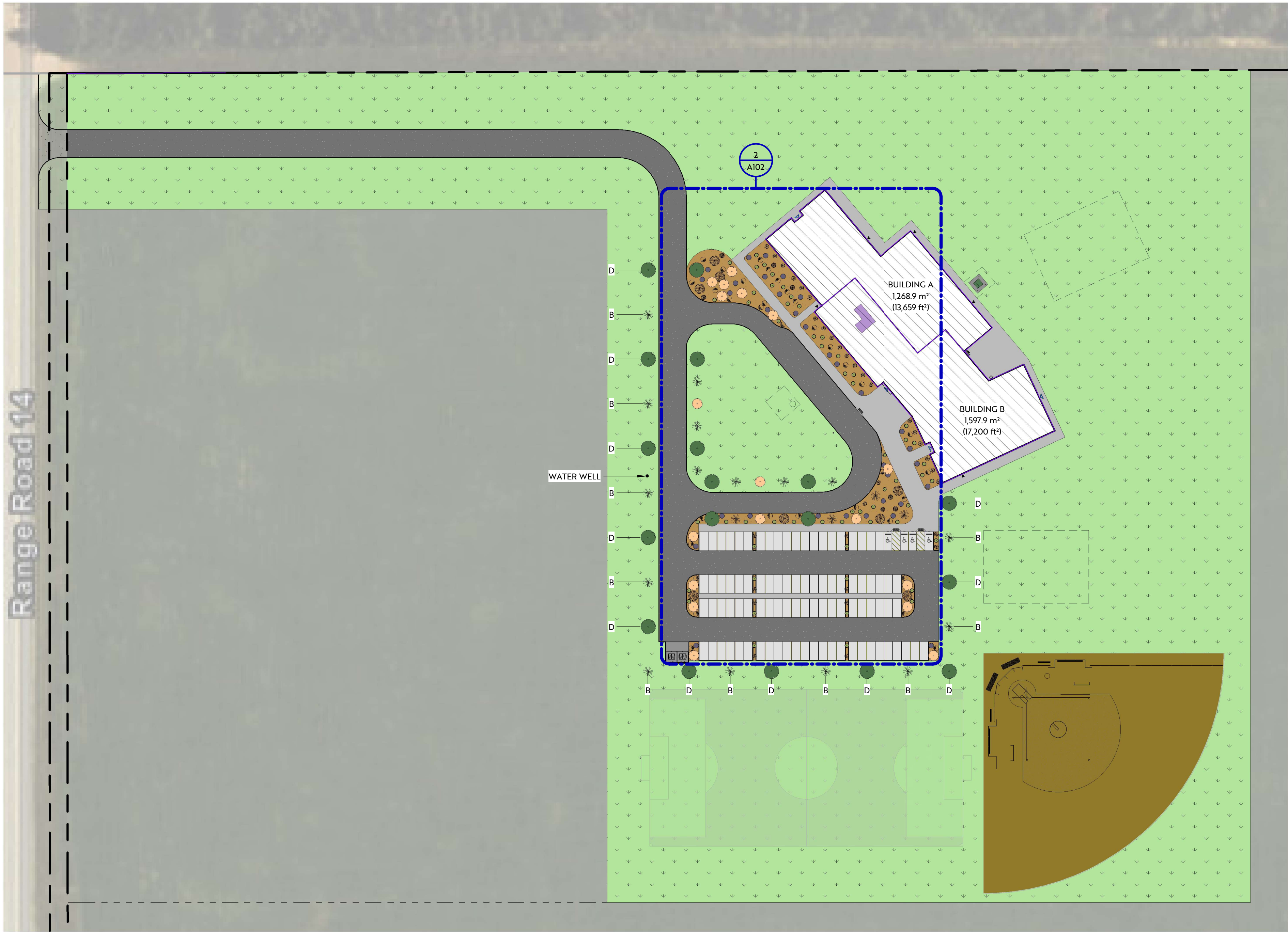
VARIANCE REQUIRED DUE TO 8 TREE DEFICIT



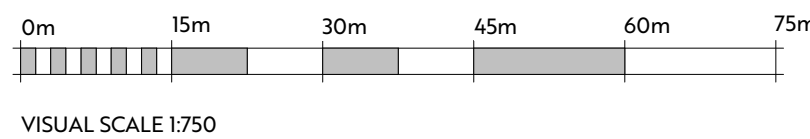
A - PLANTING LEGEND

1 : 100

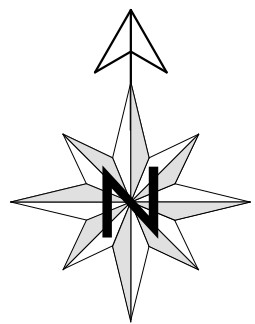
Planting Schedule							
Type	Botanical Name	Label	Size (Mature)	Caliper	Min. Height/Spread	Provided	
Shrub							
Coniferous							
Rocky Mountain Juniper	Juniperus scopulorum	1	3-4.6m (10-15ft)	26mm (1.0in)	450mm (1.5ft) Spread	32	
Mugo Pine	Pinus Mugo	2	0.8m-3.7m (2.5-12ft)	26mm (1.0in)	450mm (1.5ft) Spread	7	
Calgary Carpet Juniper	Juniperus Horizontalis	3	0.3m (1.0ft)	-	450mm (1.5ft) Spread	33	
						72	
Deciduous							
Shrubby Potentilla	Dasiphora Fruticosa	4	1.2m (4.0ft)	-	450mm (1.5ft)	34	
Purple Leaf Sand Cherry	Prunus X Cistena	5	3.0m (10.0ft)	-	450mm (1.5ft)	56	
						90	
Tree							
Coniferous							
White Spruce	Picea Glauca	A	15-30m (50-100ft)	60mm (2.4in)	2.5m (8.2ft)	16	
Colorado Spruce	Picea Pungens	B	-	-	3.5m (11.5ft)	20	
						36	
Deciduous							
Green Ash	Fraxinus Pennsylvanica	C	12-25m (39-40ft)	65mm (2.5in)	2.5m (8.2ft)	18	
Western Mountain Ash	Sorbus Scopulina	D	5-15m (16-50ft)	76mm (3.0in)	2.5m (8.2ft)	18	
						36	
						234	



1 Landscaping Plan  
A102 1:750



VISUAL SCALE 1:750



Architect:



Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate  
design studio ltd.



Lighthouse Christian Academy  
School Building  
Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

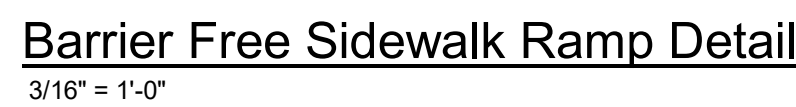
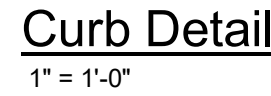
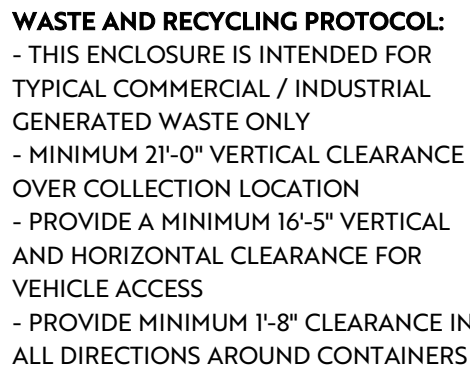
NO.	DESCRIPTION	DATE
G	ISSUED FOR DP REVIEW	2025-07-04

Project No:	A24488
Date:	2025-07-04 4:49:58 PM
Drawn by:	KL, KS
Checked by:	LB, AB
Sheet Name:	

Landscaping  
Plan

A102

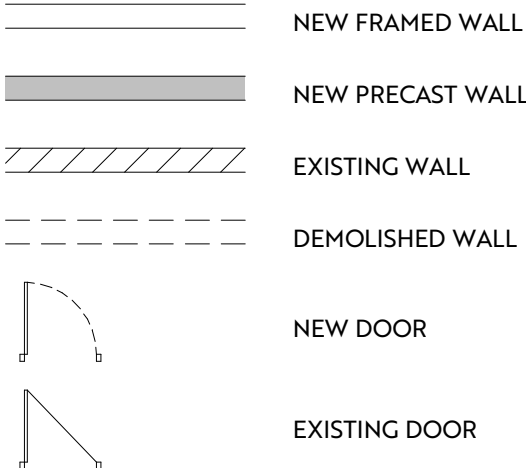




Project No:	A24488
Date:	2025-07-04 4:50:00 PM
Drawn by:	KL, KS
Checked by:	LB, AB
Sheet Name:	



CONSTRUCTION LEGEND



NOTE:

1. RATED WALLS SHALL BE FRAMED TO UNDERSIDE OF RATED FLOOR ASSEMBLY OR ROOF ASSEMBLY
2. ADD BLOCKING BETWEEN STUDS AS REQUIRED TO SUPPORT ALL EDGES OF 1/2" TYPE 'X' GYPSUM BOARD
3. FIRE SEPARATION AS SHOWN:  

0 HR	-----
3/4 HR	-----
1 HR	-----
2 HR	-----
4 HR	-----
4. ALL WASHROOMS AND JANITOR ROOMS TO RECEIVE IMPERVIOUS DURABLE FLOOR AND WALL FINISH UP TO 5'-0" A.F.F.

5. ALL TILED WALLS ADJACENT TO PRECAST WALLS TO BE CONSTRUCTED AS:  

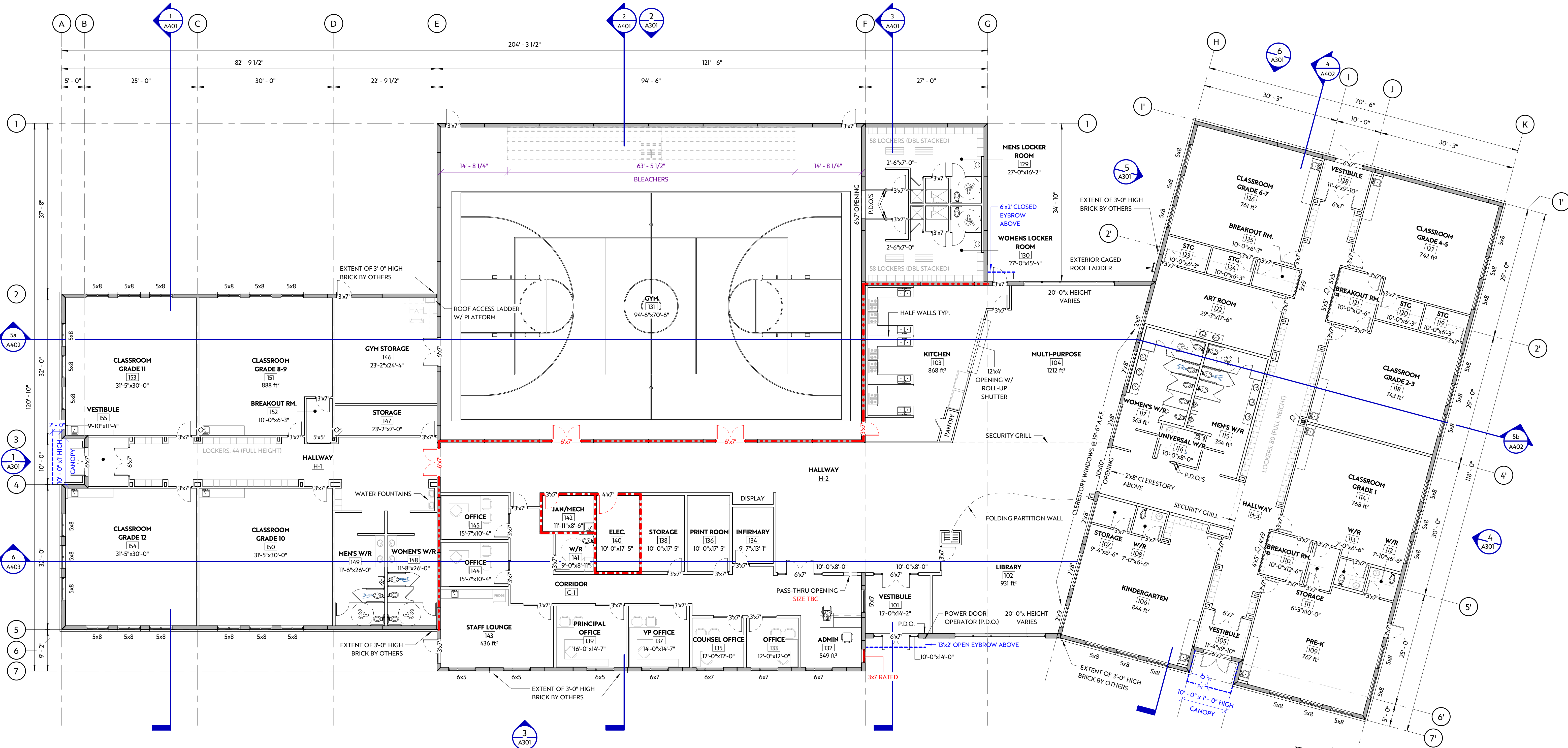
1" GAP
15/8" STEEL STUDS @ 24" O/C
1/2" GYPSUM BOARD
6. FURNITURE NOT INCLUDED
7. MILLWORK BY MILLWORK SUPPLIER
8. ALL FLOOR SUPPORTING STRUCTURES TO MAINTAIN FLOOR F.R.R. AND BE RATED THROUGH THE USE OF:  

SPRAY APPLIED FIRE PROOFING,
INTUMESCENT PAINT,
FRAMED ASSEMBLIES, OR
EQUIVALENT THICKNESS CALCULATIONS

9. UNDERSLAB PREP:  

WAREHOUSE/SHOP AREAS
THE SEAM JOINTS OF THE POLY VAPOUR BARRIER DO NOT REQUIRE SEAL OR TAPING. PLACE THE LOOSE END AT A SEAM JOINT ON TOP OF THE ADJACENT MEMBRANE WITH A MINIMUM OVERLAP OF 1'-0".
FLOOR PENETRATIONS DO NOT REQUIRE SEAL OR TAPING. WHERE MEMBRANES HAVE BEEN CUT TO ACCOMMODATE PENETRATIONS, IT IS RECOMMENDED A MEMBRANE PATCH BE PLACED AROUND THE PENETRATION AREA AND ALONG THE CUT SEAM WITH A MINIMUM 1'-0" OVERLAP TO MINIMIZE ANY SUBGRADE MOISTURE STATIC PRESSURE EXPOSURE.
PLACE THE VAPOUR BARRIER TIGHT AROUND THE PERIMETER OF WALLS, TRENCH DRAINS, AND DOCK LEVELERS.

- OFFICE SPACE (WITH RADON PROVISIONS)
- THE JOINTS BETWEEN ADJACENT POLY VAPOUR BARRIERS SHALL BE TAPED WITH AN APPROPRIATE TAPE PRODUCT TO ADEQUATELY SEAL THE MEMBRANE AT JOINTS.
  - SEAL/TAPE ALL MEMBRANE FLOOR PENETRATIONS WITH AN APPROPRIATE TAPE PRODUCT TO ADEQUATELY SEAL THE MEMBRANE AT PENETRATIONS.
  - THE VAPOUR BARRIER MEMBRANE IS REQUIRED TO BE BROUGHT UP TO THE EDGE OF FOUNDATION WALL AND LAP ONTO FACE OF FOUNDATION WALL, BUT NOT MORE THAN THE DEPTH OF CONCRETE SLAB SPECIFIED. SEAL THE MEMBRANE TO THE FOUNDATION WALL WITH ACOUSTIC SEALANT OR OTHER SIMILAR MEANS OF ADEQUATE ADHESION.



1 Overall Floor Plan  
A201  
3/32" = 1'-0"

Architect:



Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate  
design studio ltd.



Lighthouse Christian Academy

School Building

Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR PRELIMINARY REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 3:14:16 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

Floor Plan  
Overall

A201



**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  




# Lighthouse Christian Academy School Building Lacombe County, AB

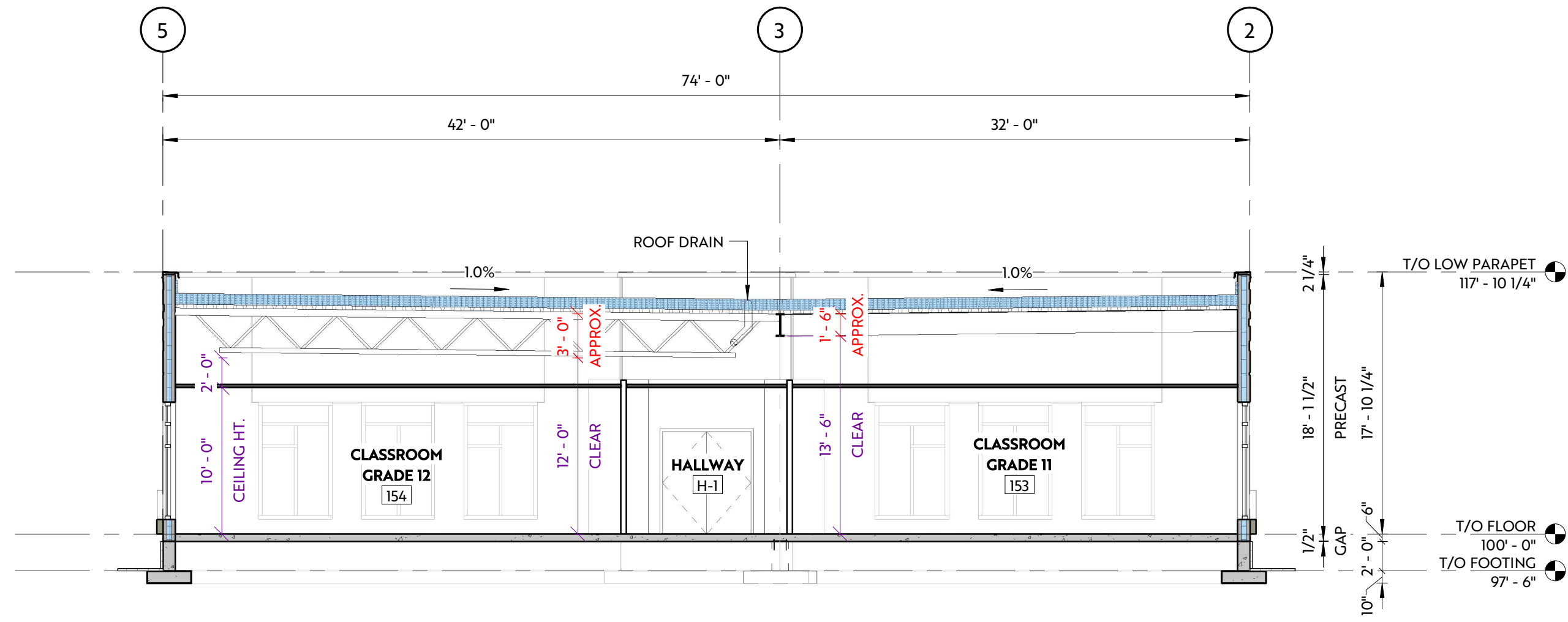
S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DR REVIEW	2025-07-04

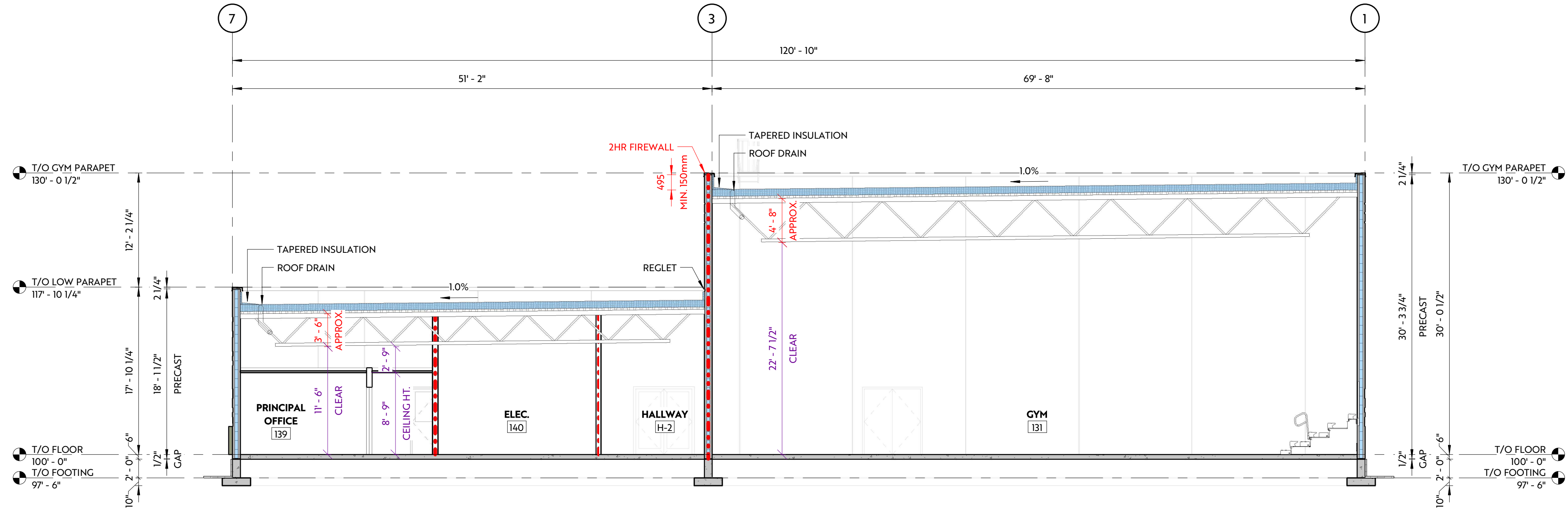
Project No: A24488  
Date: 2025-07-04 3:14:19 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

Building  
Sections

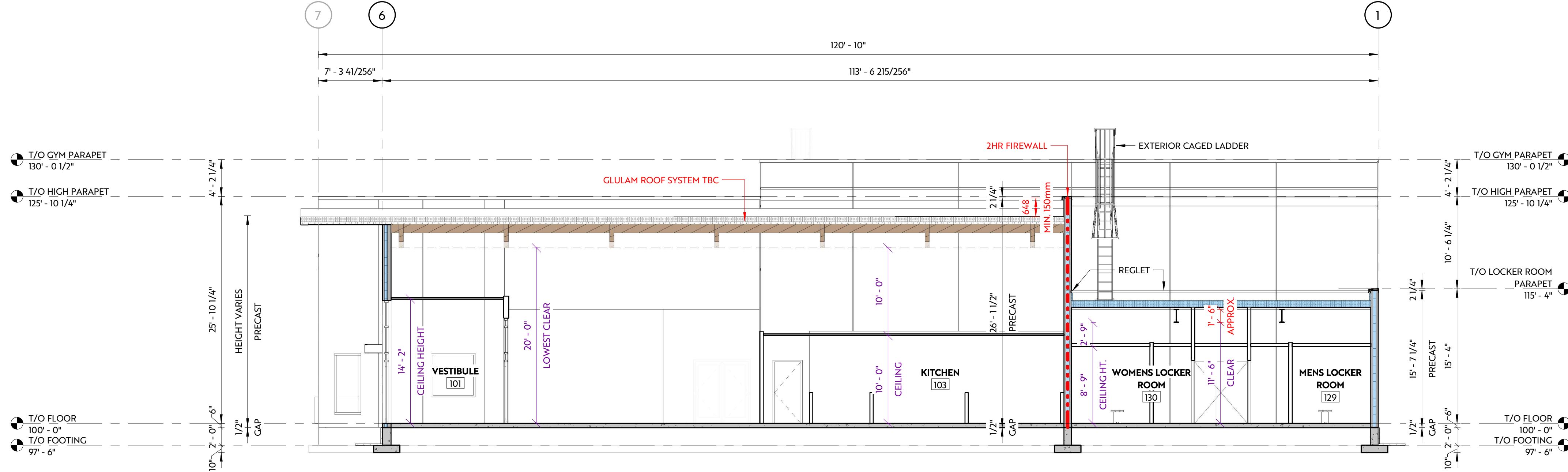
**A401**



**1 Section 1**  
A201 1/8" = 1'-0"  
NOTE: CIVIL DATA REQUIRED

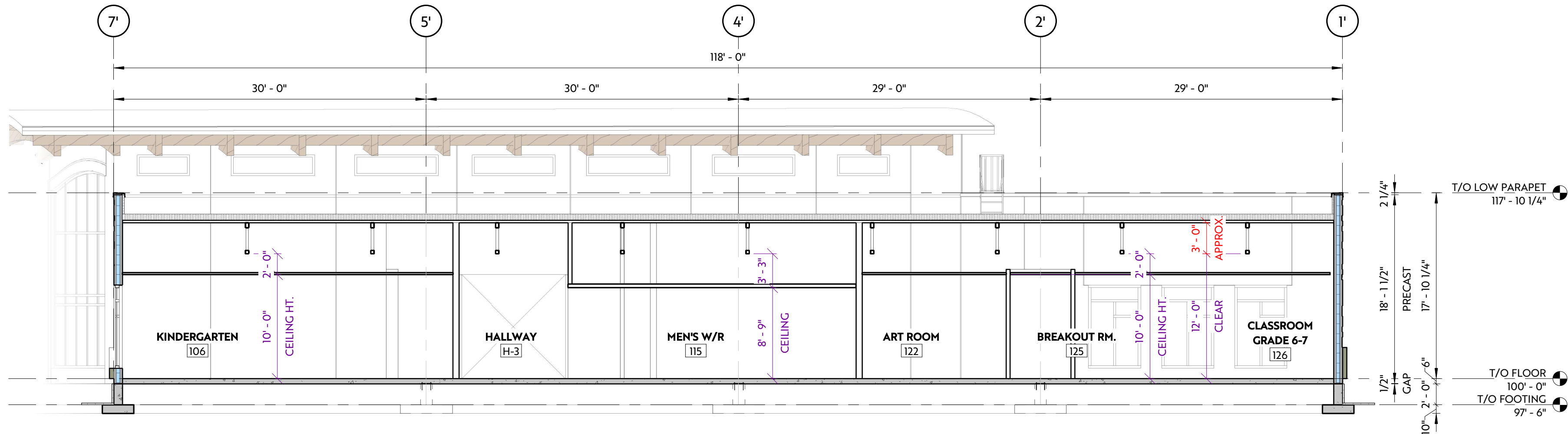


**2 Section 2**  
A201 1/8" = 1'-0"  
NOTE: CIVIL DATA REQUIRED



**3 Section 3**  
A201 1/8" = 1'-0"  
NOTE: CIVIL DATA REQUIRED

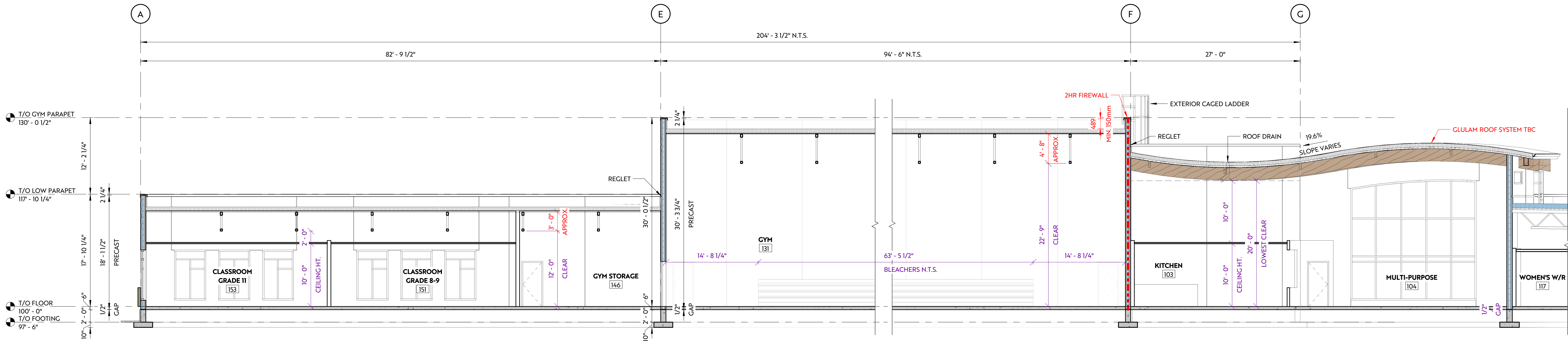




4 Section 4

A201 1/8" = 1'-0"

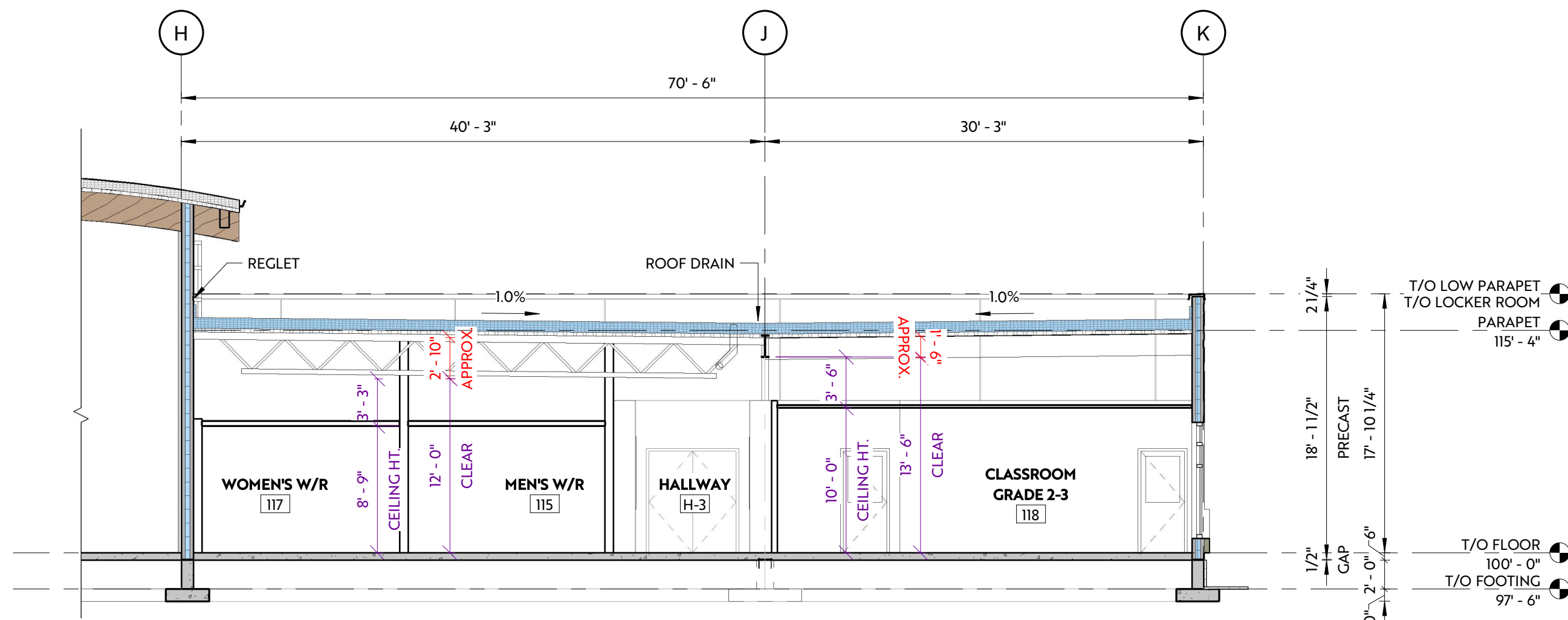
NOTE: CIVIL DATA REQUIRED



5a Section 5a

A201 1/8" = 1'-0"

NOTE: CIVIL DATA REQUIRED



5b Section 5b

A402 1/8" = 1'-0"

NOTE: CIVIL DATA REQUIRED



Stamp:

PRELIMINARY  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.



Lighthouse Christian Academy  
School Building  
Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 3:14:21 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

Building  
Sections

A402



PRELIMINARY

NOT FOR CONSTRUCTION

aggregate  
design studio ltd.





Lighthouse Christian Academy  
School Building  
Lacombe County, AB

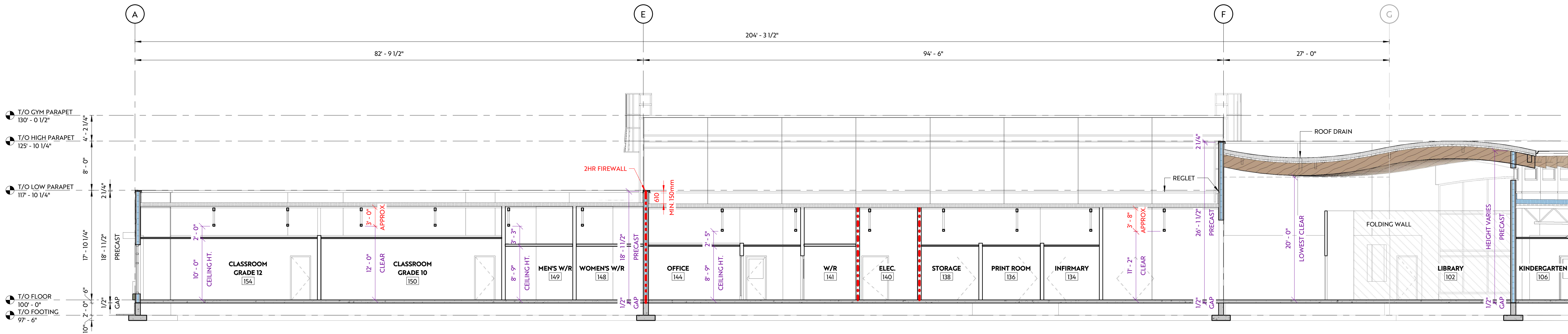
S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
B	ISSUED FOR PRELIMINARY REVIEW	2024-11-13
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DR REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 3:14:23 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

Building  
Sections

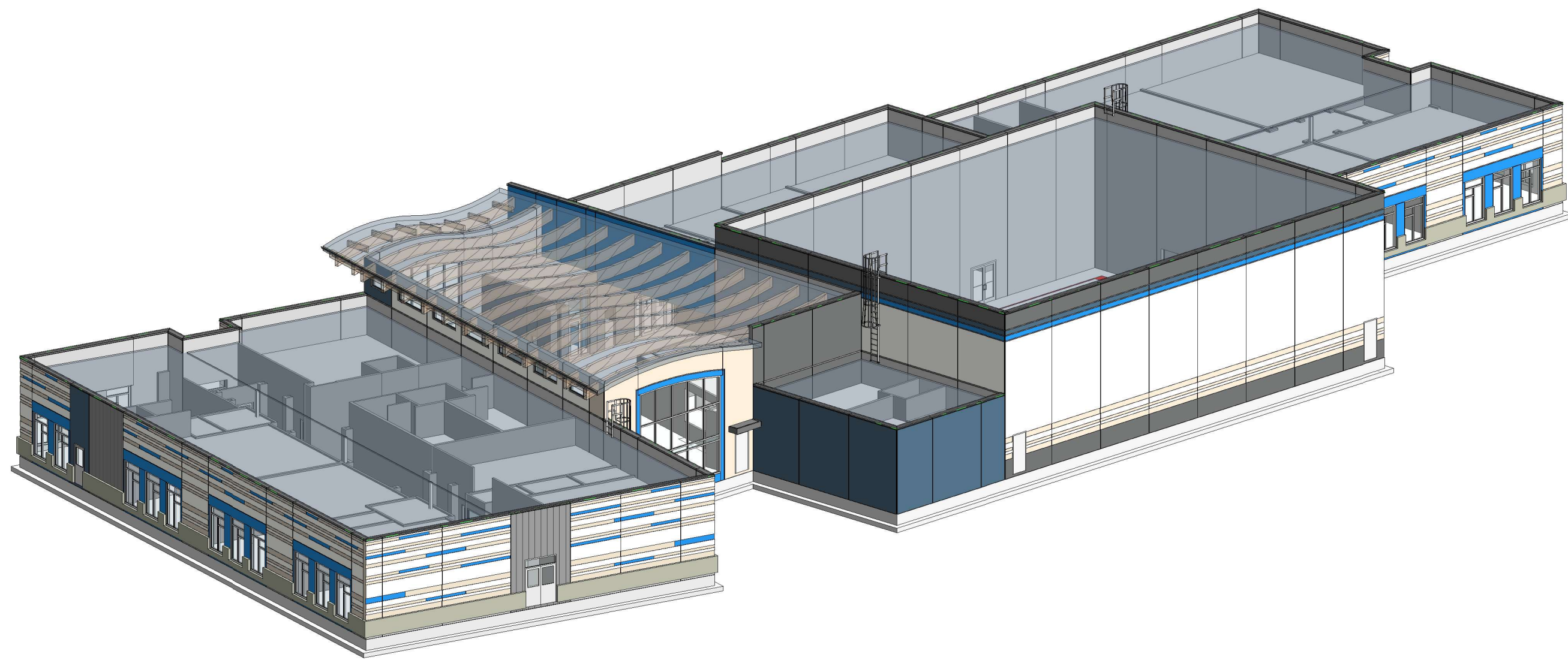
A403



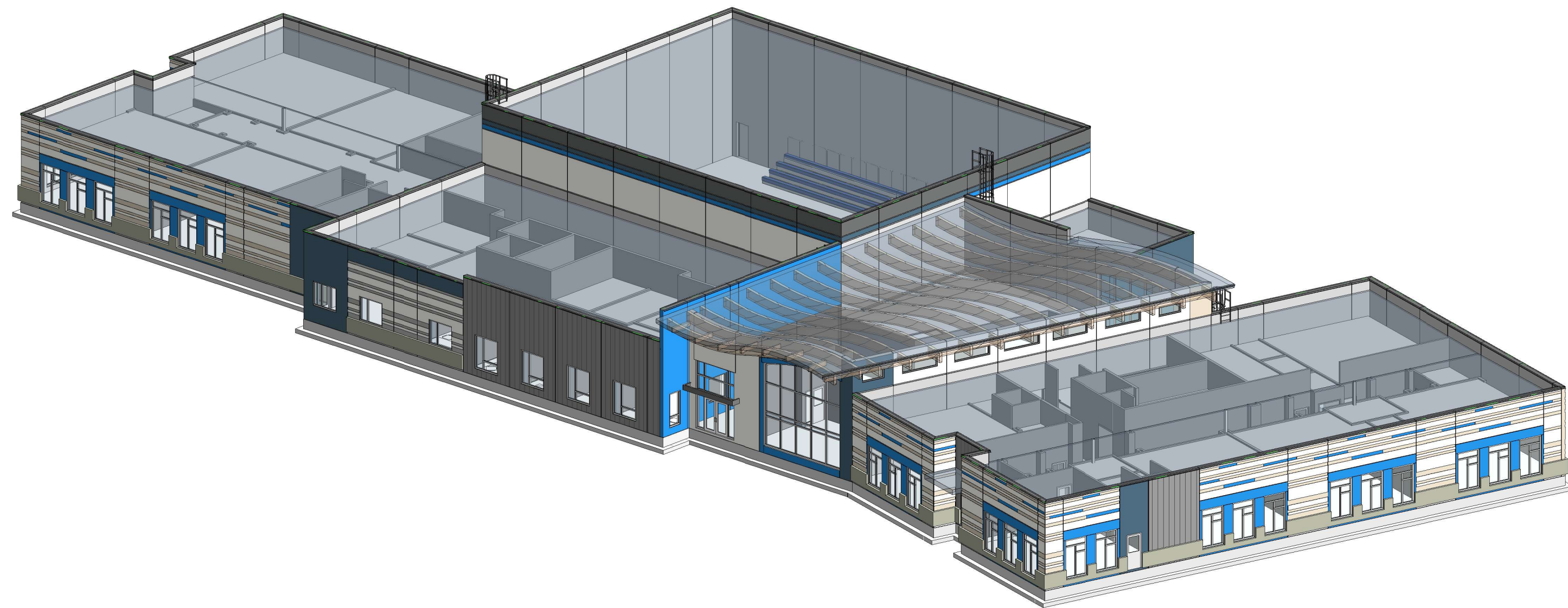
6 Section 6  
A201 1/8" = 1'-0"

NOTE: CIVIL DATA REQUIRED

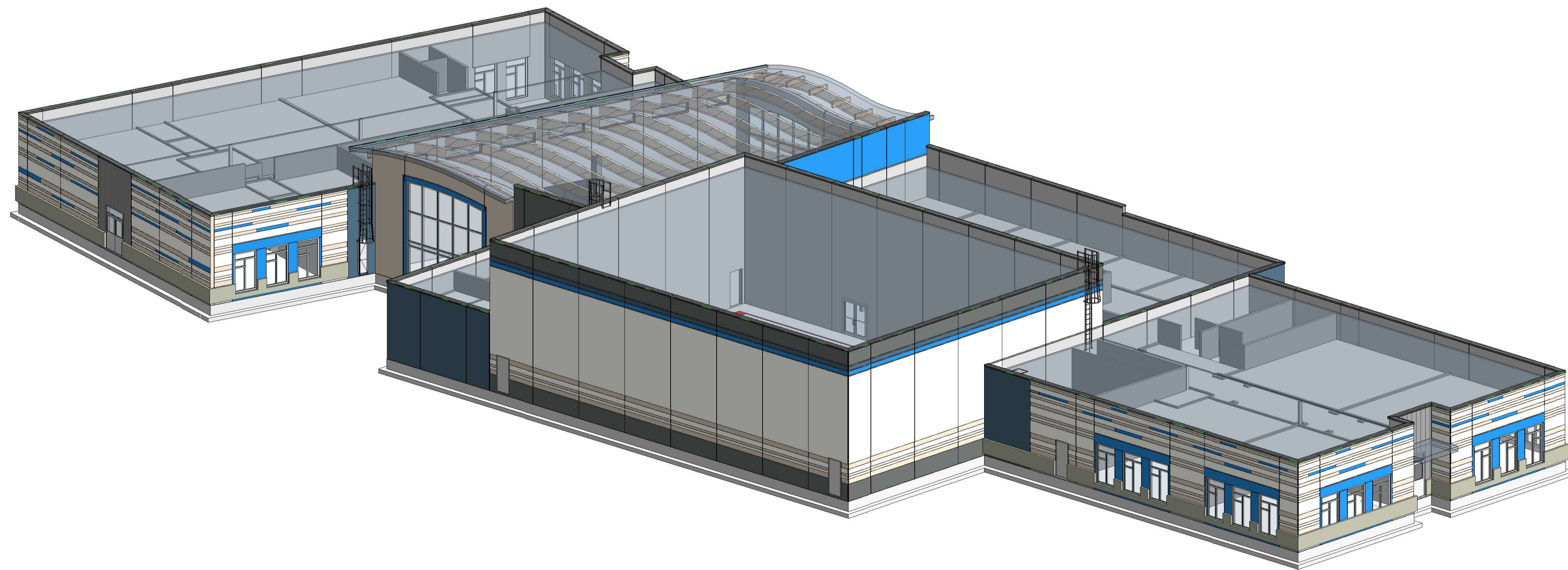




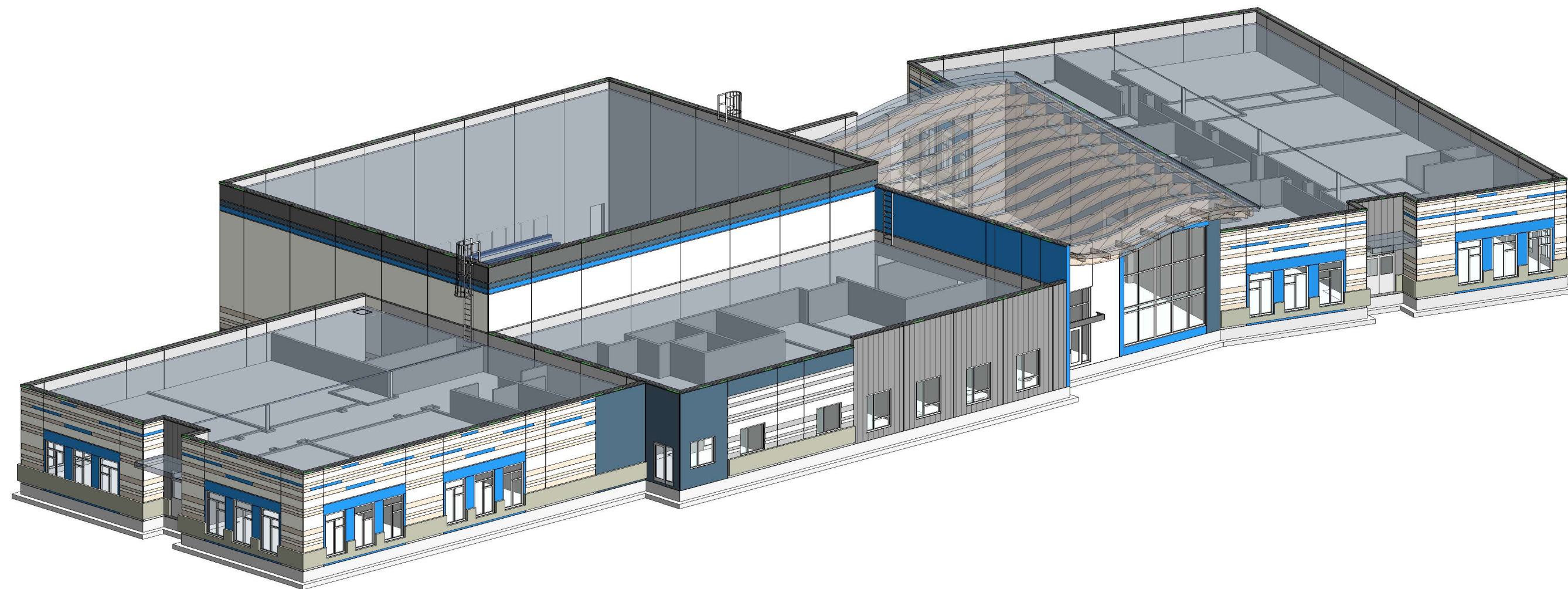
1 Arch 3D - Southeast  
A701



2 Arch 3D - Southwest  
A701



3 Arch 3D - Northeast  
A701



4 Arch 3D - Northwest  
A701



**Lighthouse Christian Academy  
School Building**  
Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-24
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No: A24488  
Date: 2025-07-04 3:14:26 PM  
Drawn by: KL, KS  
Checked by: LB, AB  
Sheet Name:

Isometric  
Views

**A701**





Formliner	
Area m²	Area ft²
Reckli 2/106 B Amur	
135.23 m²	1,455.60 ft²

Architect:



PLANWORKS

Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate

design studio ltd.



EAGLE BUILDERS



Lighthouse Christian Academy

School Building

Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO.	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-23
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No:	A24488
Date:	2025-07-04 4:50:01 PM
Drawn by:	KL, KS
Checked by:	LB, AB
Sheet Name:	

Exterior  
Render

A702





Formliner	
Area m²	Area ft²
Reckli 2/106 B Amur	
135.23 m²	1,455.60 ft²

Architect:

  
PLANWORKS

Stamp:

PRELIMINARY

NOT FOR CONSTRUCTION

aggregate

design studio ltd.

  
EAGLE BUILDERS



Lighthouse Christian Academy  
School Building  
Lacombe County, AB

S.W. 1/4 SEC. 16 TWP. 39 RGE.1 W.5 M. PLAN 0821607

NO	DESCRIPTION	DATE
A	ISSUED FOR PRELIMINARY REVIEW	2024-10-23
C	ISSUED FOR PRELIMINARY REVIEW	2025-01-09
D	ISSUED FOR PRELIMINARY REVIEW	2025-02-13
E	ISSUED FOR PRELIMINARY REVIEW	2025-03-17
F	ISSUED FOR PRELIMINARY REVIEW	2025-04-07
G	ISSUED FOR DP REVIEW	2025-07-04

Project No:	A24488
Date:	2025-07-04 4:50:01 PM
Drawn by:	KL, KS
Checked by:	LB, AB
Sheet Name:	

Exterior  
Render

A703