

Proposed Addition for:



8910 Grace Street Highland, IN 46322

LANDSCAPE ARCHITECT	MECHANICAL ENGINEER	STRUCTURAL ENGINEER	CIVIL ENGINEER	CONSTRUCTION MANAGEMENT	ARCHITECT	
				LAGESTEE-MULDER, INC. 17005 WESTVIEW AVENUE SOUTH HOLLAND, ILLINOIS 60473 PH.: 708-713-2222 FX.: 708-713-2272	LINDEN GROUP, INC. 10100 ORLAND PARKWAY, SUITE 110 ORLAND PARK, ILLINOIS 60467 PH.: 708-799-4400 FX.: 708-799-4434 www.LindenGROUPinc.com	

= 112 Occupants

CODE INFORMATION

APPLICABLE CODES

INDIANA ADMINISTRATIVE CODE INDIANA BUILDING CODE INDIANA PLUMBING CODE INDIANA ELECTRICAL CODE

INDIANA ENERGY CONSERVATION CODE

(2012 INTERNATIONAL BUILDING CODE, AMENDED) (2006 INTERNATIONAL PLUMBING CODE, AMENDED) (2008 NATIONAL ELECTRIC CODE, AMENDED) (2012 INTERNATIONAL MECHANICAL CODE, AMENDED) (2007 ASHRAE 90.1 EDITION, AMENDED) (2012 INTERNATIONAL FIRE CODE, AMENDED)

3,844 s.f.

<u>9,065 s.f.</u>

USE AND OCCUPANCY

INDIANA FIRE CODE

INDIANA MECHANICAL CODE

Existing Building:

Educational Existing First Floor Area: 16,233 s.f. Existing Second Floor Area: 3,067 s.f. Existing Addition (2017) Floor Area: 3,262 s.f.

New Building (Addition):

Proposed First Floor Area: Proposed Second Floor Area: Total Proposed Floor Area:

E Educational

A-3 Assembly (Church)

CONSTRUCTION TYPE

Existing Building Type V-B Existing Addition Type II-B New Building (Addition)

BUILDING HEIGHT AND AREAS

16,233 s.f. / 2 stories / +/-44 ft. (No change in existing area / height)

3,262 s.f. / 1 story / 23 ft. Existing Addition: (No change in existing area / height)

Allowable: 14,500 s.f. / 2 stories / 55 ft. New Building (Addition): 9,065 s.f. / 2 stories / 32'-2"

SEPARATION OF OCCUPANCIES 706.4 (Exception a) 2 Hour Fire Wall between New (Addition) and Existing Building

Fire walls and vertical fire barriers shall be effectively and permanently identified with signs or stencilling. Such identification shall: 1. Be located in accessible concealed floor, floor-ceiling or attic spaces; 2. Be located within 15 feet of the end of each wall and at intervals not exceeding 30 feet measured horizontally along the wall or partition; and 3. Include lettering not less than 3 inches in height with a minimum 3/8 inch stroke in a contrasting color incorporating the suggested wording, "FIRE WALL or FIRE BARRIER PROTECT ALL OPENINGS" or similar wording in accordance with Section 703.7, IBC (675 IAC 13-2.6).

FIRE-RESISTANCE RATING FOR NEW BUILDING ELEMENTS:

II-B Construction:

Structural Frame Bearing Walls - Exterior Bearing Walls - Interior 0 hr Non-Bearing Walls - Exterior Non-Bearing Walls - Interior 0 hr Floor Construction Roof Construction

AUTOMATIC SPRINKLER SYSTEM:

Existing Building & Addition: None New Building (Addition): New Sprinkler System

FIRE ALARM AND DETECTION SYSTEM: Existing Building & Addition: Existing System New Building (Addition): Existing System To be Expanded **CODE INFORMATION (cont.)**

OCCUPANT LOAD: Table 1004.1.2 New Building (Addition)

Assembly (Unconcentrated) 1,673 Net s.f. / 15 sf per occupant

598 Net s.f. / 20 sf per occupant = 30 Occupants 252 Gross s.f. / 100 sf per occupant = 3 Occupants 109 Gross s.f. / 300 sf per occupant = 1 Occupant TOTAL NEW BUILDING OCCUPANT LOAD= 146 OCCUPANT

COMMON PATH OF EGRESS TRAVEL: TABLE 1014.3 Assembly with 30+ occupant load = 75 feet

MAXIMUM EXIT ACCESS TRAVEL DISTANCE:

Assembly without Sprinkler System = 200 feet

Assembly with out sprinkler - max 20 feet.

<u>NUMBER OF EXITS:</u>

UNDERLAYMENT

Existing Building: Provided - 4 New Building (Addition) Required - 2

PLUMBING FIXTURE REQUIREMENTS for ENTIRE BUILDING

ACTUAL AVERAGE OCCUPANT LOAD TO DATE = 265 OCCUPANTS PER SERVICE, 3 SERVICES PER SUNDAY FIXTURES PROVIDED FOR 600 OCCUPANTS (300 MALE / 300 FEMALE) TABLE 2902.1, 675 IAC 13-2.6-29 (c)

17. TORIES 1 (A) 100 C C C C C 17. (10 (CCC) 17. (CC) 17. (CCC) 17							
FIXTURE TYPE	FIVILIDE / OCCUDANT	REQUIRED		PROVIDED (EXISTING + NEW)			
FIXTURE TIFE	FIXTURE / OCCUPANT	MALE	FEMALE	MALE	FEMALE	FAMILY	
WATER CLOSETS	1 per 150 M / 1 per 75 F	2	4	2	3	1	
URINALS	MAY BE UP TO 50% OF WC's	-		2			
LAVATORIES	1 per 200	2	2	2	3	1	
DRINKING FOUNTAINS	1 per 1,000	1		1 EXISTING			
SERVICE SINK		1		1 EXISTING			

DECILIDED DECICAL CTANIDADDS

REQUIRED

REQUIRED DESIGN STANDARDS						
	ASPECT	RATING				
	FROST DEPTH	42 INCHES				
	GROUND SNOW LOAD	25 POUNDS				
	BASIC WIND SPEED	90 MILES PER HOUR				
	SEISMIC CATEGORY	В				
	CONCRETE WEATHERING	SEVERE				
	WINTER TEMPERATURE	0 TO -10 ° FAHRENHEIT				
	TERMITE INFESTATION	MOD. TO HEAVY PROBABILITY				
	ICE BARRIER					

GENERAL NOTES

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR BID. ALL CONTRACTORS TO VERIFY ALL EXISTING DIMENSIONS, MATERIALS AND CONDITIONS IN THE FIELD, AND TO REVIEW ALL PROPOSED NEW CONSTRUCTION BEFORE SUBMITTING BIDS AND STARTING CONSTRUCTION. NOTIFY OWNER IN WRITING OF ANY DISCREPANCIES. FAILURE TO MEET THIS REQUIREMENT SHALL NOT BE CAUSE FOR ANY ADDITIONAL COMPENSATION.

VERIFY ALL DIMENSIONS IN THE FIELD. WRITTEN DIMENSIONS AND/OR LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE. DO NOT SCALE THE DRAWINGS.

ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER. ALL MATERIALS & EQUIP., TO BE USED & INSTALLED IN STRICT ACCORDANCE WITH ALL MUNICIPAL BUILDING CODES & ALL OTHER APPLICABLE BUILDING CODES, & REGULATIONS.

EACH CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW MATERIALS, FIXTURES. EQUIP., ETC. AS INDICATED AND/OR SPECIFIED, AND AS REQUIRED TO COMPLETE THE WORK, WHETHER SPECIFICALLY CALLED FOR OR NOT. ANY DETAILS NOT SPECIFICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL NOT BE EXECUTED WITHOUT THE OWNERS APPROVAL.

THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL A LIST OF MATERIALS, FIXTURES, AND EQUIPMENT, INCLUDING TYPE AND QUALITY TO BE USED IN THE CONSTRUCTION OF THIS WORK. COLORS AND FINISHES SHALL BE COORDINATED BY THE OWNER AND THE

6. ALL MAT'LS. SHALL BE INSTALLED PER THE MANUF. SPECS. THESE RECOMMENDS. SHALL TAKE PRECEDENCE OVER CONFLICTING DETAIL DWGS FOUND HEREIN.

ALL CONTRACTORS SHALL COORDINATE THEIR WORK WITH THE OWNER TO MINIMIZE DISRUPTION OF BUSINESS OPERATIONS. (IF APPLICABLE) NOTIFY OWNER AND/OR THE AUTHORITY HAVING JURISDICTION AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION. FOR ANY SERVICE INTERRUPTION, IF REQUIRED, NOTIFY OWNER AT LEAST 72 HOURS IN ADVANCE.

ALL CONTRACTORS ARE RESPONSIBLE FOR CONTAINING THEIR CONSTRUCTION DEBRIS WITHIN THE CONSTRUCTION AREA, REMOVING IT FROM THE PREMISES AS SOON AS POSSIBLE & DISPOSING OF IT PROPERLY IN CONTRACTOR PROVIDED DUMPSTER. CLEAN WORKING CONDITIONS SHALL BE MAINTAINED ON A DAILY BASIS. MAINTAIN THE CONSTRUCTION AREA IN A BROOM CLEAN CONDITION.

9. ALL CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH OTHER TRADES. WORK SHALL BE PROPERLY SEQUENCED TO AVOID DELAYS OR CONFLICTS WITH THE INTERCONNECTED WORK OF OTHERS.

10. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS WORK.

11. PROVISIONS FOR, & LOCATIONS OF FIRE EXTING., FIRE HOSES, SMOKE DETECTORS, SECURITY SYSTEMS, TEMP. CONTROLS, AND EMERGENCY SYSTEMS, ETC, SHALL BE MADE JOINTLY BETWEEN THE OWNER, CONTRACTOR, AND THE AUTHORITY HAVING JURISDICTION, IF THE EQUIPMENT IS NOT ALREADY SHOWN ON THE PLANS.

12. ALL FIRESTOPPING AS PER STATE AND LOCAL CODES.

RATING OF 450 OR LESS WHEN TESTED IN ACCORD. WITH ASTM-E84.

MANUFACTURER'S RECOMMENDATIONS. 14. ALL INTERIOR FINISHES ARE TO COMPLY WITH THE FOLLOWING AND APPROVED BY A RECOGNIZED THIRD PARTY TESTING AGENCY. A). WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 AS

13. PROVIDE CONTROL JOINTS OVER DOORS IN GYPSUM BOARD WALLS AND AS PER

CLASS 'C' FOR FLAME SPREAD AND SMOKE DEVELOPMENT. B). FLR. FINISHES SHALL BE CLASS I OR CLASS II IN ACCORDANCE W/ NFPA 253. 15. THERMAL & SOUND INSULATING MATERIALS IN EXPOSED OR CONCEALED INSTALLATIONS SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS & A SMOKE DEVELOPED

16. NO ALTERATION TO WORK OR ANY SUBSTITUTIONS OF MATERIALS WILL BE ACCEPTED UNLESS APPROVED BY OWNER/G.C.-DEVELOPER IN ADVANCE.

GENERAL NOTES (cont.)

ALL DEFECTIVE OR INFERIOR MATERIALS, SLOPPY WORKMANSHIP AND OTHER DEFICIENCIES SHALL BE CORRECTED AND/OR REPLACED BY APPROPRIATE CONTRACTORS AT

18. ALL WORK SHALL BE GUARANTEED FOR NOT LESS THAN ONE YEAR OR AS PER OWNER'S

19. THE COMPLETED PROJECT SHALL BE TURNED OVER TO THE OWNER IN COMPLETE OPERATING CONDITION REGARDLESS OF THE DRAWINGS, REFERENCE NOTES OR SPECIFICATIONS WHICH MAY NOT COVER EVERY DETAIL.

20. THE OWNER SHALL HAVE CONTROL OF ALL OPERATIONS AND SHALL ACCEPT OR REJECT THE SCHEDULE AND PERFORMANCE OF THE CONTRACTOR.

21. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO PROVIDE AS-BUILTS (ARCHITECTURAL, ELECTRICAL, FIRE DETECTION, COMMUNICATIONS, PLUMBING, & MECHANICAL) & OPERATING MANUALS FOR ALL EQUIP. & SYSTEMS INSTALLED.

22. COMBUSTIBLE MATERIALS SHALL NOT BE STORED IN EXITS OR EXIT ENCLOSURES, BOILER ROOMS, MECHANICAL ROOMS, ELECTRICAL EQUIPMENT ROOMS, OR SPRINKLER

23. PROVIDE SIGNAGE ON THE ENTRY DOOR TO ROOM TO IDENTIFY EQUIP. INSIDE FOR THE FOLLOWING; FIRE ALARM PANEL, ELECTRICAL EQUIP., HEATING/AC EQUIP., ETC.

24. PLANS FOR FIRE ALARM SYSTEM (IF REQ'D) SHALL BE PREPARED AND SUBMITTED BY OTHERS, TO THE CITY / FIRE PROTECTION DISTRICT OR AUTHORITY HAVING JURISDICTION, FOR

25. NO ADDITION OR ALTERATION SHALL CAUSE AN EXISTING BUILDING, STRUCTURE, OR ANY PART OF THE PERMANENT HEATING, VENTILATING, AIR CONDITIONING, ELECTRICAL, PLUMBING, SANITARY, EMERGENCY DETECTION, EMERGENCY COMMUNICATION, OR FIRE OR EXPLOSION SUPPRESSION SYSTEMS TO BECOME UNSAFE OR OVERLOADED UNDER THE PROVISIONS OF THE RULES OF THE COMMISSION FOR NEW CONSTRUCTION IN ACCORDANCE WITH 675 IAC 12-4- 12(C).E

VICINITY MAP

ARCHITECTURAL

TITLE SHEET, PROJECT INFO, GENERAL NOTES

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FRAMING PLAN

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FRAMING DETAILS

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POWER FLOOR PLAN

ELECTRICAL SCHEDULES

MECHANICAL

MECHANICAL FLOOR PLAN

hereby certify, to the best of my

knowledge and belief, that these plans

have been drawn under my supervision

and comply with all applicable building

ofessional Design Firm: 184-000209

piration Date: 4/30/24

and zoning ordinances and codes of

HIGHLAND, IN

PLUMBING FLOOR PLAN

LINDENGROUP

LAND PLANNING INTERIOR ARCHITECTURE

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Lagestee-Mulder

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CHURCH

8910 GRACE STREET GHLAND, INDIANA 46322

2021-0087

PROJECT NUMBER

NJB DRAWN BY

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Date

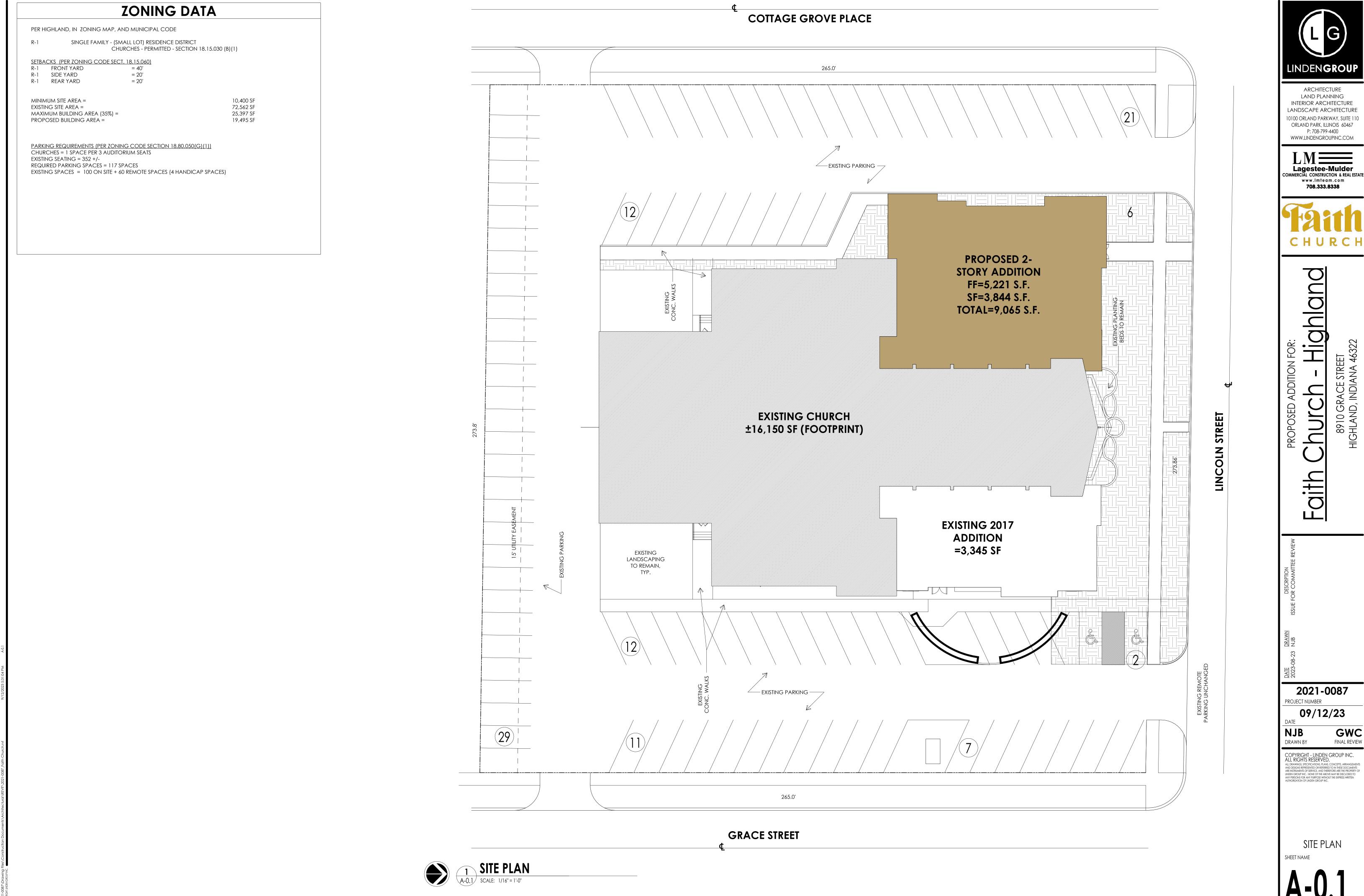
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TITLE SHEET

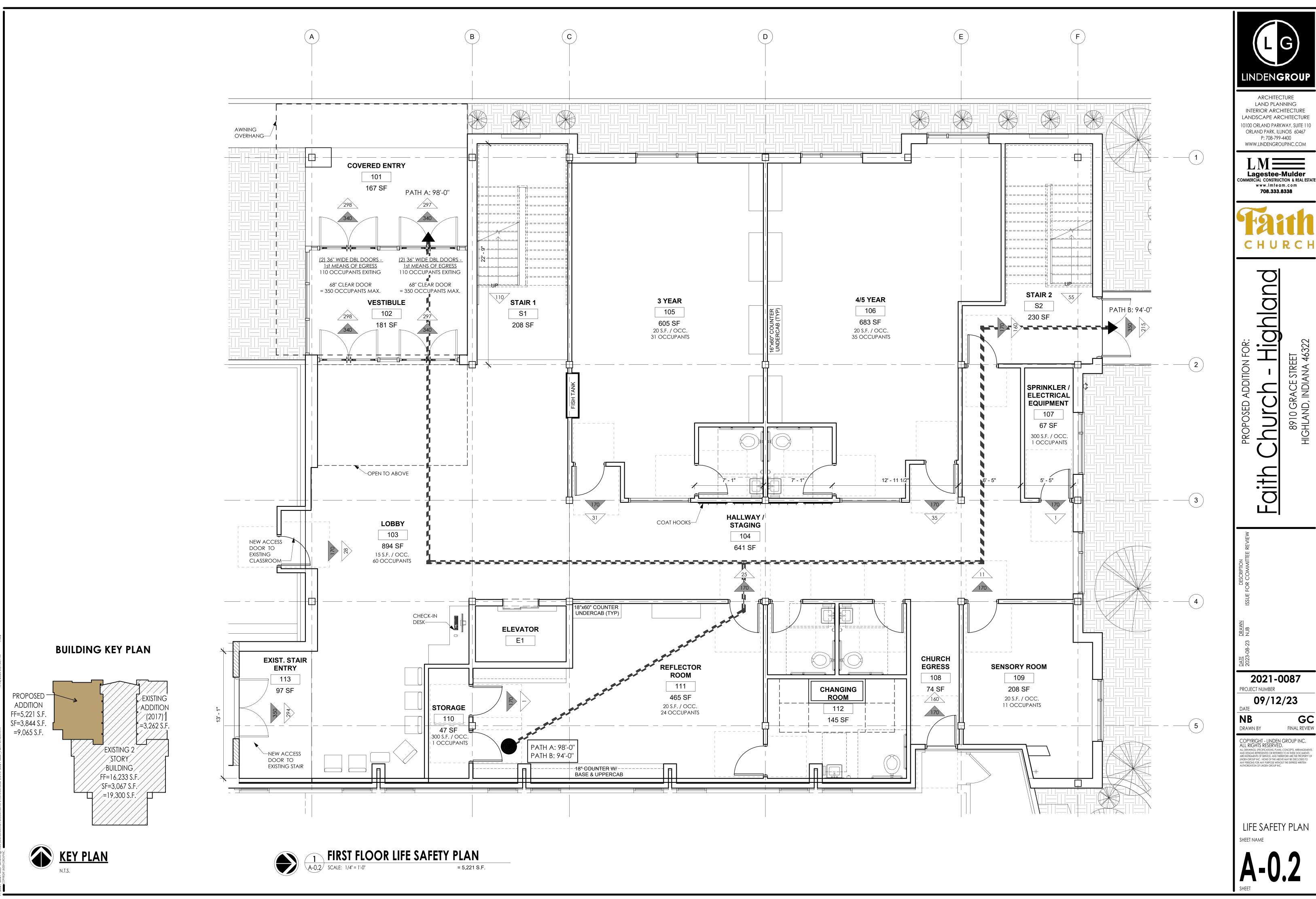
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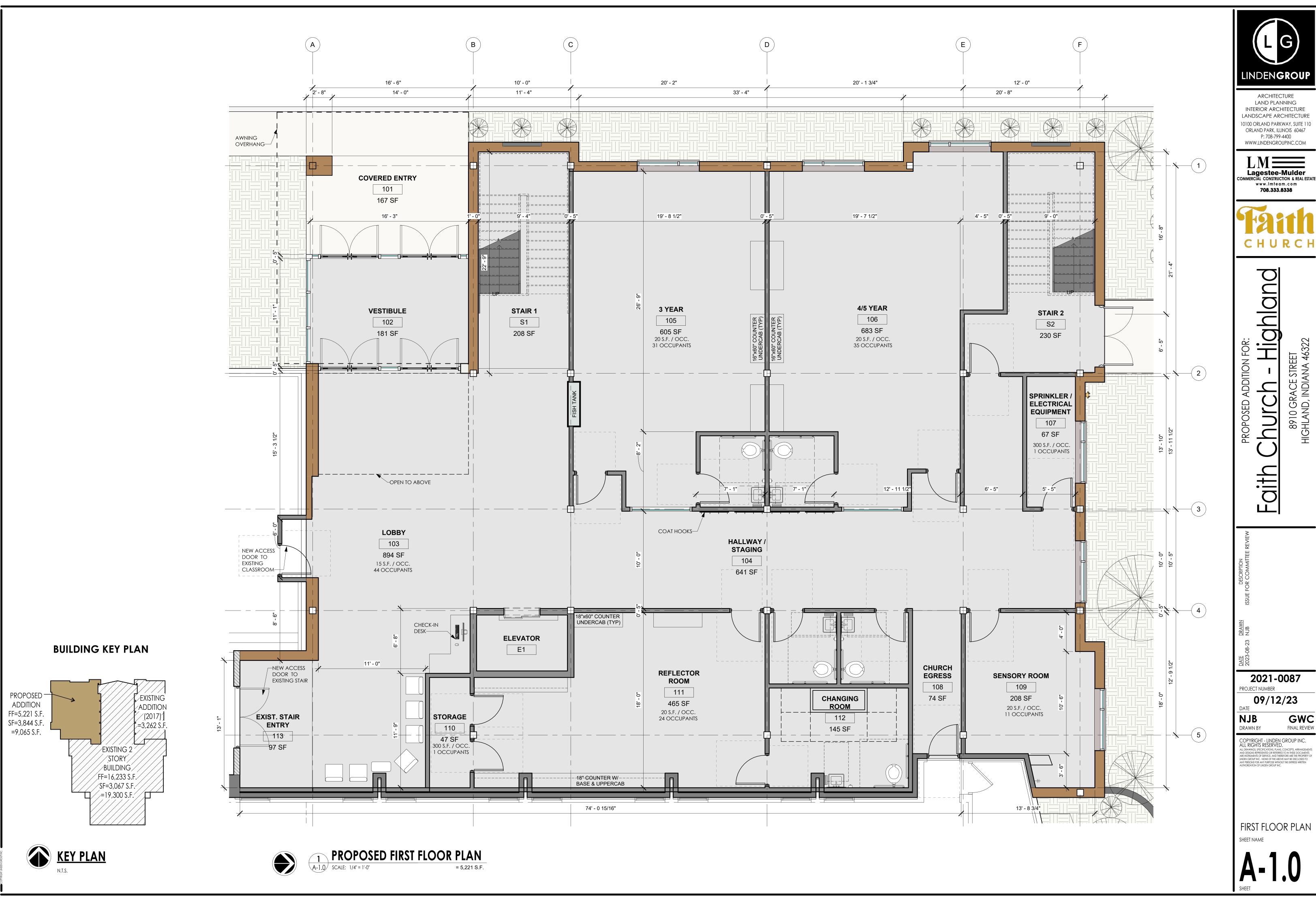
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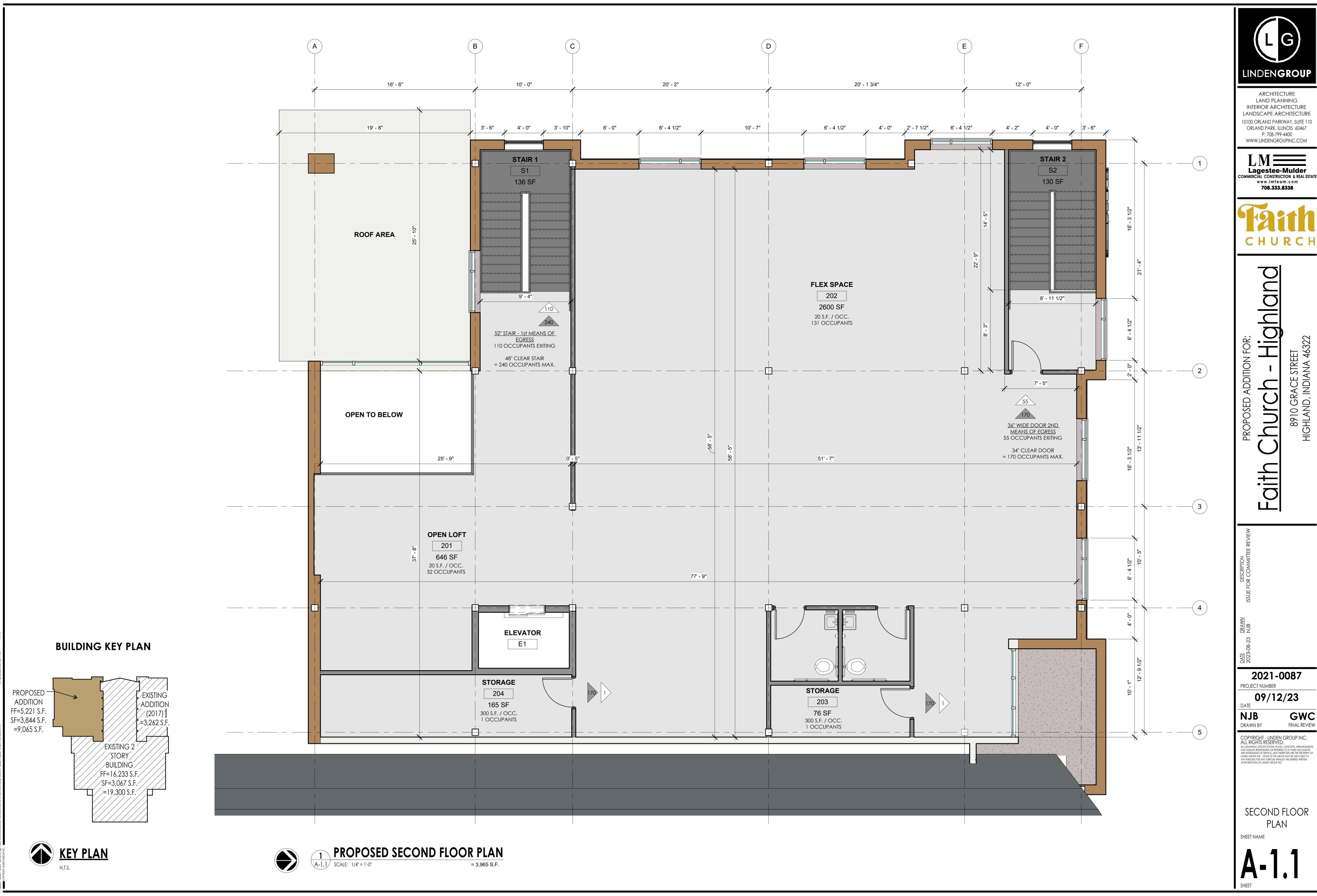


LANDSCAPE ARCHITECTURE 10100 ORLAND PARKWAY, SUITE 110 ORLAND PARK, ILLINOIS 60467

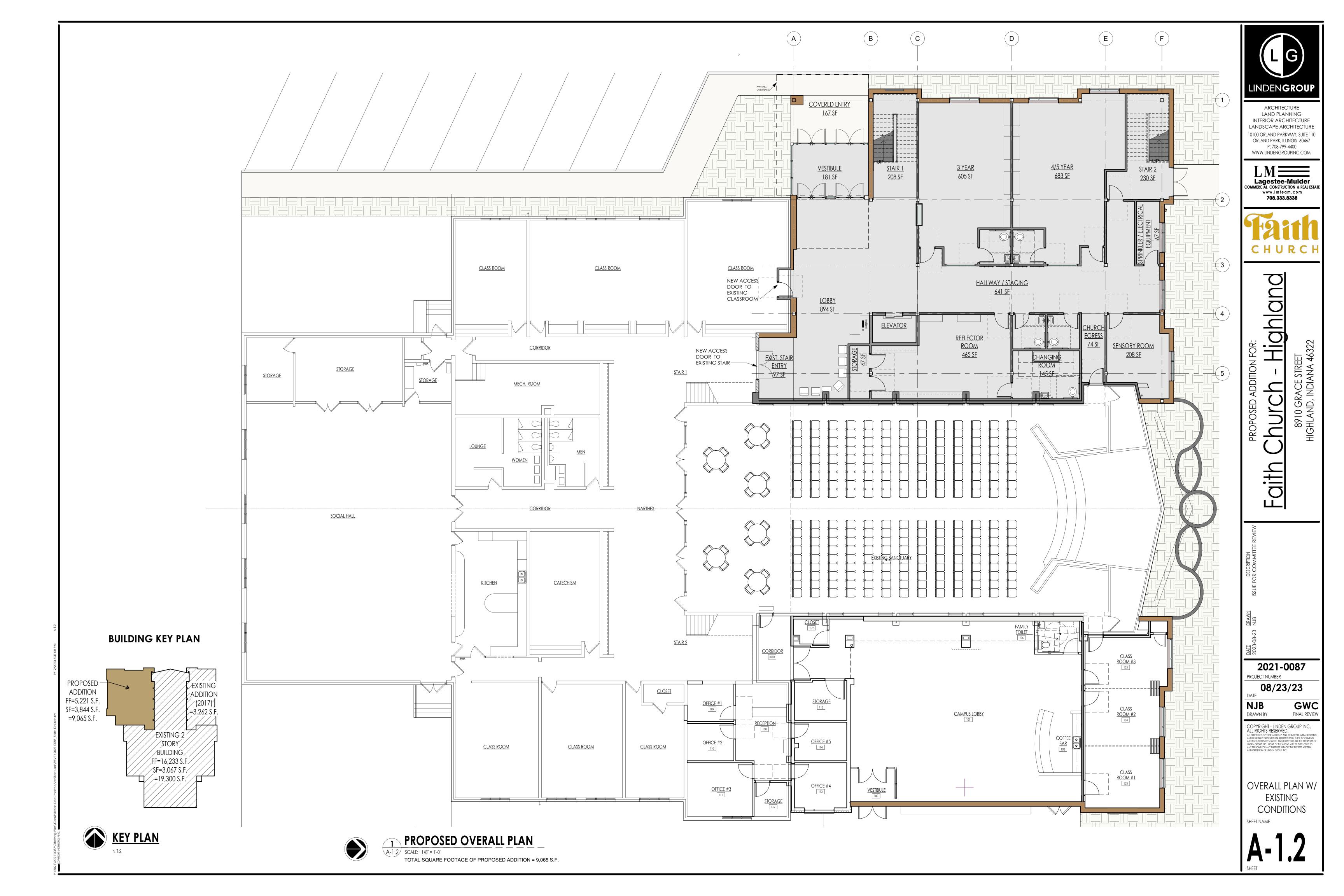














PROPOSED NORTH ELEVATION A-4.0 SCALE: 1/4" = 1'-0"



PROPOSED WEST ELEVATION

SCALE: 1/4" = 1'-0"

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CHURCH

PROPOSED ADDITION FOR: 8910 GRACE STREET HIGHLAND, INDIANA 46322

Faith

2021-0087

PROJECT NUMBER 08/23/23

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EXTERIOR ELEVATIONS

SHEET NAME



NORTH ELEVATION & EXISTING

A-4.1 SCALE: 3/16" = 1'-0"



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8910 GRACE STREET HIGHLAND, INDIANA 46322 Church

Faith

2021-0087 PROJECT NUMBER

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EXTERIOR ELEVATION W/ EXISTING CONDITIONS

