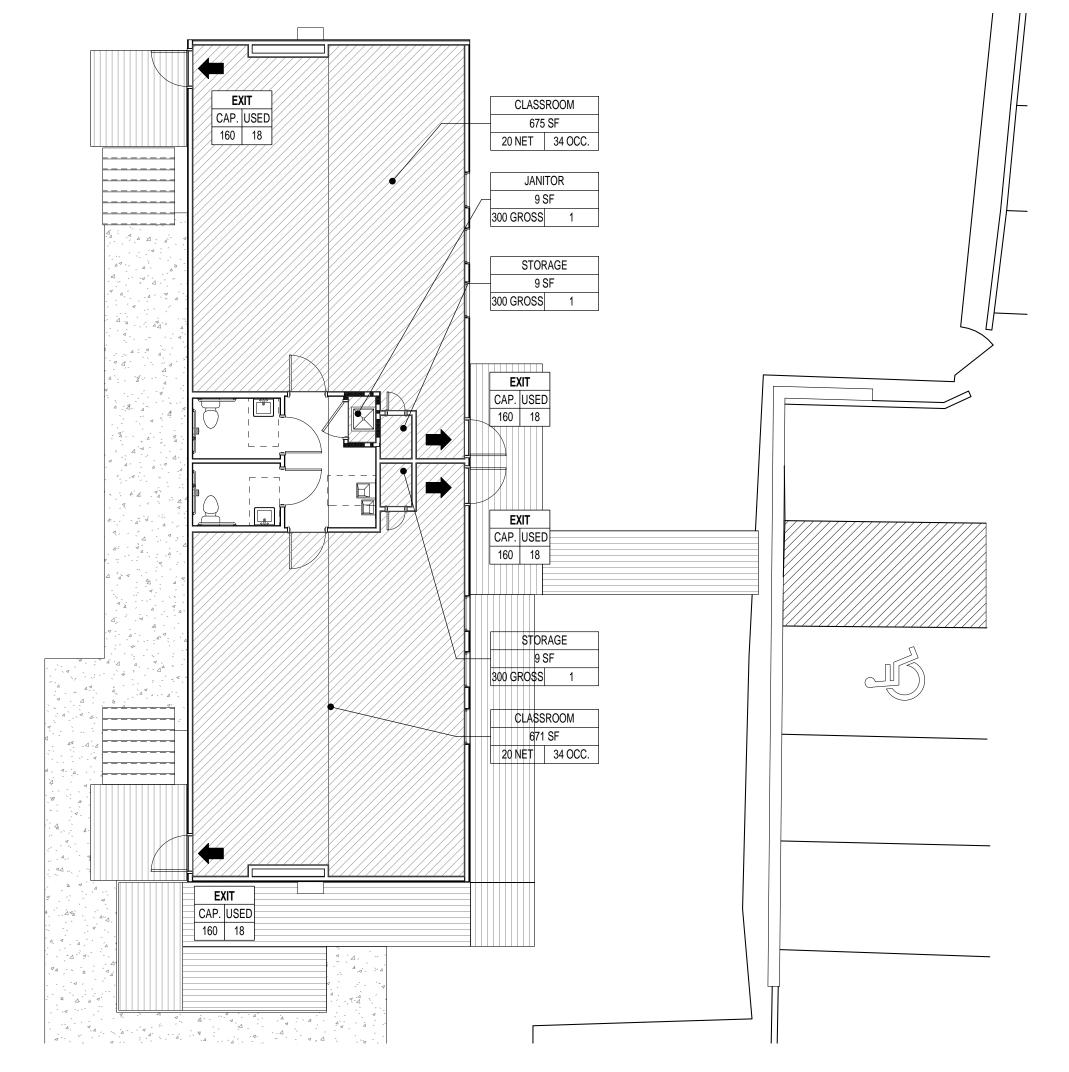
SITE LOCATION PLAN L16 1" = 100'-0"



PROJECT CODE AND ZONING INFORMATION CITY OF KNOXVILLE (COK) JURISDICTIONAL AUTHORITY STATE FIRE MARSHAL'S OFFICE (SFMO) APPLICABLE CODES CITY OF KNOXVILLE ZONING ORDINANCE (WITH AMENDMENTS) ICC/ANSI A117.1 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) GREEN CONSTRUCTION CODE (PENDING ADOPTION) INTERNATIONAL BUILDING CODE (IBC) INTERNATIONAL RESIDENTIAL CODE (IRC) INTERNATIONAL EXISTING BUILDING CODE (IEBC) INTERNATIONAL PERFORMANCE CODE (IPC) NATIONAL ELECTRIC CODE (NEC) INTERNATIONAL FUEL GASS CODE INTERNATIONAL MECHANICAL CODE (IMC) INTERNATIONAL PLUMBING CODE (IPC) INTERNATIONAL PROPERTY MAINTENANCE CODE INTERNATIONAL FIRE CODE (IFC) KNOXVILLE CODE OF ORDINANCES: CHAPTER 6, ARTICLE I, SECTION 6-5. FIRE DISTRICT BUILDING REQUIREMENTS - INTERNATIONAL BUILDING CODE (IBC) GROUP E - EDUCATIONAL (IBC §305) OCCUPANCY TYPE (IBC CHAPTER 3)
CONSTRUCTION TYPE (IBC CHPT 6) TYPE V B - UNSPRINKLERED (IBC § 602.5) LIMITS OF CONSTRUCTION TYPE ALLOWABLE HEIGHTS AND BUILDING AREAS (IBC TABLE 503) HEIGHT: (GROUP E) 1 STORY, 40 FEET ABOVE GRADE PLANE PROPOSED HEIGHT = 13' ABOVE GRADE PLANE MAX AREA: (GROUP E) MAXIMUM AREA = 9,500 SQFT PER FLOOR PROPOSED FLOOR AREA = 1,890 SQFT * AREAS ARE INTENDED FOR CODE USE ONLY STRUCTURAL FRAME FIRE RESISTANCE RATINGS (IBC TABLE 601) BEARING WALLS **EXTERIOR** INTERIOR NONBEARING WALLS AND PARTITIONS 0 HR (IBC TABLE 602) - HORIZONTAL SEPARATION > 30'-0" EXTERIOR INTERIOR FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS ROOF CONSTRUCTION **INCLUDING SUPPORTING BEAMS & JOISTS** WALLS & PARTITIONS FIRE PARTITIONS (IBC §708.3) OPG'S. - 45 MIN (IBC TABLE 716.5) OCCUPANT LOAD (IBC TABLE 1004.1.2) OCCUPANCY FUNCTION OCCUPANT LOAD 1ST FLOOR ACCESSORY STORAGE, MECH. ROOM 300 GROSS EDUCATIONAL 20 GROSS 69 OCC. EGRESS DOOR WIDTH EGRESS STAIR WIDTH FLOOR OCC. LOAD # OF EXITS OCC PER EXIT REQUIRED PROVIDED PROVIDED 1ST FLOOR 69 4 18 4" MIN 44" CLEAR (IBC § 1009.4) 3" MIN 32" CLEAR (IBC § 1008.1. **EXIT CAPACITY & TRAVEL DISTANCE** 200 FT (UNSPRINKLERED - IBC TABLE 1016.2 MAX TRAVEL DISTANCE MAX DEAD END CORRIDOR 20 FT (IBC §1018.4) STAIRWAYS (IBC §1005.3.1) = 0.3 INCHES PER OCCUPANT EGRESS WIDTH PER PERSON SERVED OTHER EGRESS COMPONENTS (IBC §1005.3.2) = 0.2 INCHES PER OCCUPANT ARRANGEMENT & NUMBER OF EXITS NUMBER OF EXITS FOR BUILDING MIN 2 EXITS REQUIRED PER STORY (IBC §1021.2) ONE-HALF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING (IBC §1015) SEPARATION OF EXITS PLUMBING FIXTURE COUNT (IBC T2902.1) WATER CLOSETS OCCUPANCY OCCUPANT LOAD SERVICE SINK **EDUCATIONAL** R-1 - RESIDENTIAL PARCEL NUMBER - 070KA006 ADDRESS - 2329 PROSSER ROAD, KNOXVILLE, TN 37914 CITY OF KNOXVILLE PARKING REQUIRED - CITY OF KNOXVILLE CODE OF ORDINANCES APPENDIX B, ARTICLE 5, SECTION 7 PLACE OF WORSHIP - .25 SPACES PER SEAT IN EXISTING AUDITORIUM MINIMUM / .5 SPACES PER SEAT MAXIMUM AUDITORIUM SEATS - 250 250 x .25 = 63 SPACES MINIMUM 250 x .5 = 125 SPACES MAXIMUM EXISTING SPACES - 110 - OK SCHOOL, ELEMENTARY - 1 SPACES PER CLASSROOM MINIMUM / 2 SPACES PER CLASSROOM MAXIMUM EXISTING CLASSROOMS - 17 PROPOSED CLASSROOMS - 2 (NEW MODULAR BUILDING) TOTAL - 19 19 x 1 = 19 SPACES MINIMUM 19 x 2 = 38 SPACES MAXIMUM EXISTING SPACES - 110 - IT IS PROPOSED THAT THE COMBINED PLACE OF WORSHIP SPACES + SCHOOL PARKING SPACES IS WITHIN THE ZONING MIN AND MAX OK

G07

PROJECT CODE AND ZONING INFO

		UL DESIGN NUMBER					
WALL TYPE	GRAPHIC LEGEND	GYPSUM	GYPSUM BOARD		CMU		
		NON-BEARING	BEARING	NON-BEARING	BEARING		
1-HR FIRE RATING		U.L.# U305	-	-	-		
LIFE SAFETY LEGEND		NOTES:	NOTES:				
FEC FIRE EXT	FINGUISHER CABINET		A. SMOKE PARTITIONS (IBC § 710) 1. SMOKE PARTITIONS SHALL EXTEND FROM FLOOR BELOW TO UNDERSIDE OF FLOOR OR ROOF DECKING ABOVE (IBC § 710.4) 2. WINDOWS SHALL BE SEALED TO RESIST THE FREE PASSAGE OF				
WALL MO	DUNTED FIRE EXTINGUISHER	UNDERSIDE O					
EXIT SIG	N (SEE MODULAR DWGS)	SMOKE (IBC §	SMOKE (IBC § 710.5.1) 3. DOORS IN SMOKE PARTITIONS SHALL BE SELF-CLOSING OR AUTOMATIC CLOSING BY SMOKE DETECTION (IBC § 710.5.2) 4. DOORS IN SMOKE PARTITIONS SHALL BE TESTED IN ACCORDANCE WITH UL 1784 WITH AN ARTIFICIAL BOTTOM SEAL INSTALLED ACROSS THE FULL WIDTH OF THE DOOR. B. SMOKE BARRIERS (IBC § 709) 1. SMOKE BARRIERS SHALL MAINTAIN A MINIMUM RATING OF 1 HOUR (IBC § 709.3) 2. SMOKE BARRIERS SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL NAD FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE, INCLUDING CONTINUITY THROUGH CONCEALED SPACES (SEE SECTION 709.4 REGARDING RATING OF SUPPORTING CONSTRUCTION) 3. OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH IBC § 709.5.				
OCCUPA 72" (68" COCCUPA	LEAR) EXIT DOOR=226 NTS MAX (34"/.15)(IBC §1005.3.2) CLEAR) EXIT DOOR = 453 NTS MAX. (68"/.15) (IBC §1005.3.2) R = 280 OCCUPANTS MAX. (56"/.2) 05.3.1)	4. DOORS IN WITH UL 1784 THE FULL WID B. SMOKE BA 1. SMOKE BA § 709.3) 2. SMOKE BA CONTINUOUS OF THE FOUNI UNDERSIDE ABOVE, INCL SECTION 709.4					

8-B-18-UR LIFE SAFETY LEGEND

Revised: 7/24/2018

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PROJECT INFORMATION AND LIFE SAFETY PLAN

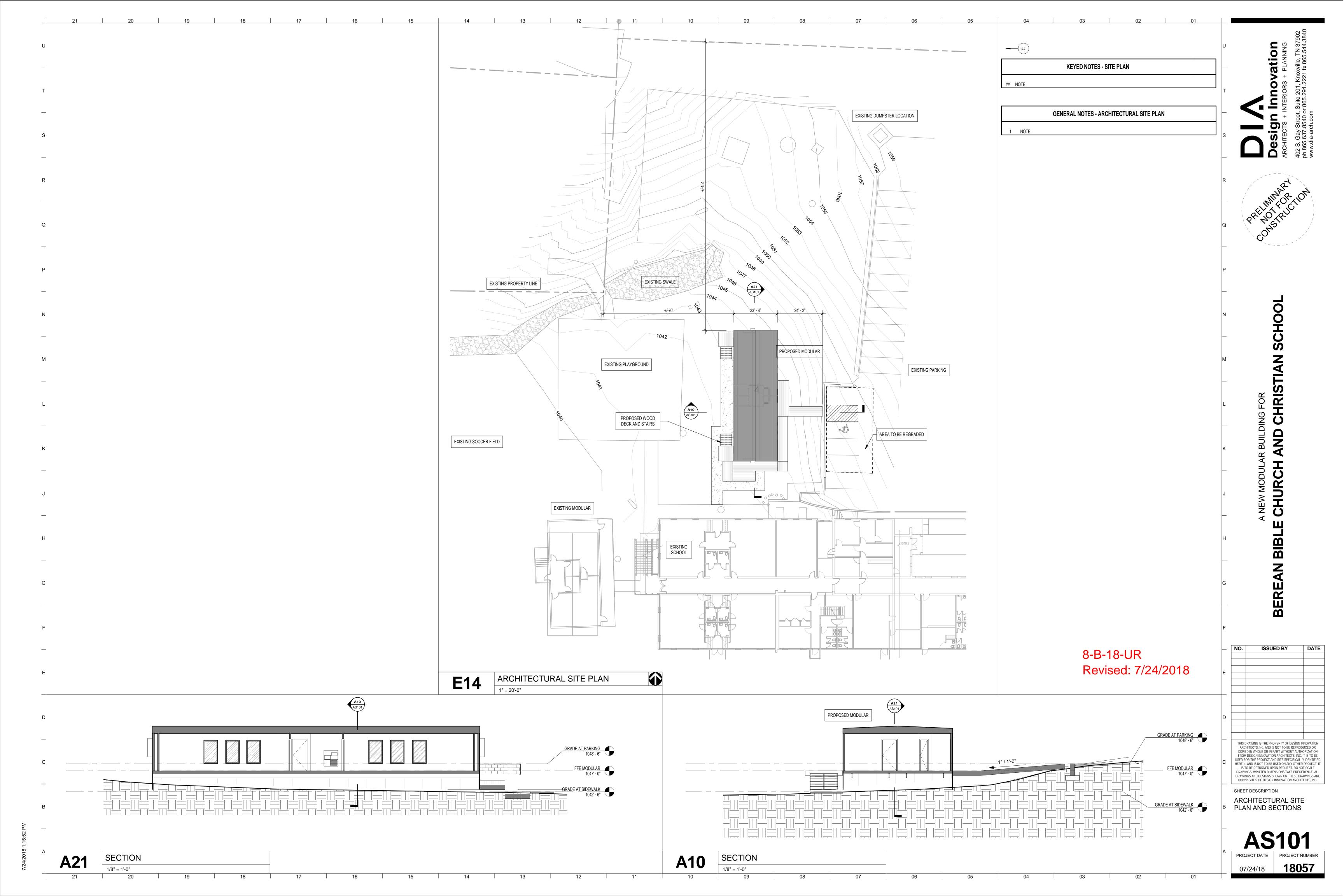
PROJECT DATE PROJECT NUMBER 07/24/18

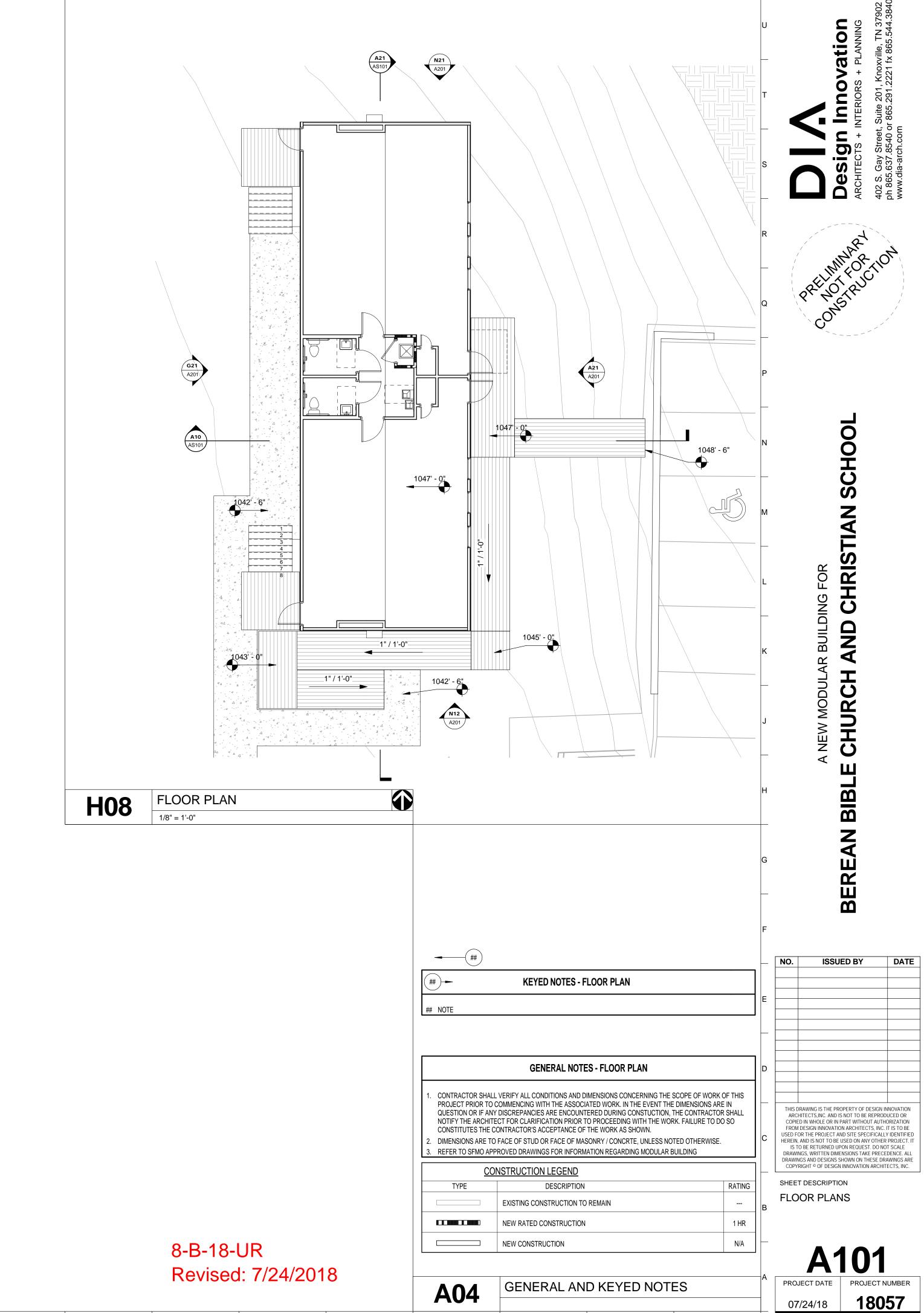
LIFE SAFETY PLAN - LEVEL 1 **A17**

1/8" = 1'-0"

A07

18057





07/24/18