

PROJECT DESCRIPTION

DESCRIPTION:

- THIS PROJECT IS A LIFE SAFETY STUDY TO PROVIDE FOR A CHANGE OF USE TO ALLOW THE BUILDING TO BE USED ALSO AS A DAYCARE IN TRUE LIFE CHURCH IN WAUKESHA, WISCONSIN. THE BUILDING WILL BE USED AS A CHURCH ASSEMBLY BUILDING.
- THE CHURCH IS WANTING TO PROVIDE DAYCARE SERVICES DURING THE WEEK.

BUILDING CODES:

THIS BUILDING DESIGNED IN ACCORDANCE WITH THE 2015 WISCONSIN BUILDING CODE, 2009 ANSI A117.1, 2015 WISCONSIN FIRE CODE, 2015 WISCONSIN PLUMBING CODE, 2015 WISCONSIN MECHANICAL CODE, 2017 NATIONAL ELECTRIC CODE AND REFERENCED APPENDICES.

PROJECT INFORMATION:

- PRIMARY USE OF THE FACILITY IS A3 OCCUPANCY
- SECONDARY USE AS A DAYCARE. DAYCARE WILL BE FOR CHILDREN OF ALL AGES.
- WE ARE CONSIDERING THIS A NON SEPARATED MIXED OCCUPANCY.
- OCCUPANCY USE GROUP A3 / E / I4 - NON-SEPARATED MIXED OCCUPANCY
- CONSTRUCTION TYPE: 3B (PER PRINTS DATED JANUARY 6, 2021)
- SINGLE STORY WITH BASEMENT
- OCCUPANT LOAD - SEE LSI
- EXISTING BUILDING HAS A FIRE SUPPRESSION SYSTEM
- EXISTING BUILDING HAS AN EMERGENCY VOICE / ALARM COMMUNICATIONS FIRE ALARM SYSTEM
- BUILDING FOOTPRINT = 18,210 SQUARE FEET MAIN LEVEL
10,300 SQUARE FEET LOWER LEVEL

ALLOWABLE AREA:

- ALLOWABLE AREA PER TABLE 506.2 - S1 = 38,000 S.F. (A3, THE MOST RESTRICTIVE)
- FRONTAGE INCREASE - NOT APPLICABLE
- ALLOWABLE HEIGHT - 3 STORY, 75 FOOT

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS IN TYPE 3B CONSTRUCTION

STRUCTURAL FRAME - 0 HOURS
EXTERIOR BEARING WALLS - 2 HOURS
INTERIOR BEARING WALLS - 1 HOURS
EXTERIOR NON-BEARING WALLS - 0 HOURS
FLOOR CONSTRUCTION - 0 HOURS
ROOF CONSTRUCTION - 0 HOURS

CORRIDORS ARE NOT REQUIRED TO BE RATED
SHAFT ENCLOSURE REQUIRED RATING - 1 HOUR
STAIRWAY ENCLOSURE REQUIRED RATING - 1 HOUR (LESS THAN 4 STORIES)
TENANT, DWELLING OR SLEEPING UNIT SEPARATIONS - NOT APPLICABLE
OCCUPANCY SEPARATIONS - NOT APPLICABLE
AREA SEPARATIONS - 2 HOUR

EGRESS NOTES

- MAXIMUM TRAVEL DISTANCE WITH SPRINKLER SYSTEM IS 250 FEET.
- MAXIMUM COMMON PATH OF EGRESS TRAVEL = 75 FEET
- REQUIRED EGRESS WIDTH FOR SPRINKLERED BUILDING WITH EMERGENCY VOICE / ALARM COMMUNICATIONS SYSTEM -
2 INCHES PER PERSON FOR STAIRWAYS
15 INCHES PER PERSON FOR OTHER EGRESS COMPONENTS.

LIFE SAFETY DRAWING LEGEND

	DESIGNATED EXIT		EMERGENCY LIGHT
	PANIC HARDWARE		COMBO EXIT / EMERGENCY LIGHT
	FIRE EXTINGUISHER		EXIT LIGHT
	FIRE ALARM PULL STATION		CEILING MOUNT SPEAKER / STROBE
	WALL MOUNT SPEAKER		FIRE ALARM CONTROL PANEL
	WALL MOUNT SPEAKER / STROBE		FIRE ALARM ANNUNCIATOR PANEL
	NUMBER OF PEOPLE EXITING SPACE		DIRECTION OF EGRESS PATH
	TOTAL NUMBER OF PEOPLE AT THAT POINT IN EGRESS PATH		TRAVEL DISTANCE TO EXIT

PLUMBING FIXTURE REQUIREMENTS

OCCUPANT LOAD

DAYCARE - 320 PEOPLE
BUSINESS - 13 PEOPLE
ASSEMBLY - 765 PEOPLE (383 WOMEN + 383 MEN)

WATER CLOSETS

DAYCARE - 320 / 50 PEOPLE / FIXTURE = 6.4 FIXTURES
3.2 FIXTURES FOR WOMEN
3.2 FIXTURES FOR MEN
BUSINESS - 13 PEOPLE / 25 = .52 FIXTURE REQUIRED
WOMEN - .26 FIXTURE
MEN - .26 FIXTURE

ASSEMBLY

383 / 75 WOMEN / FIXTURE = 5.1 FIXTURES
383 / 150 MEN / FIXTURE = 2.6 FIXTURES
TOTAL WATER CLOSETS REQUIRED:

WOMEN - 3.2 + .26 + 5.1 = 8.56 (8 FIXTURES)
MEN - 3.2 + .26 + 2.6 = 6.06 (7 FIXTURES)

TOTAL WATER CLOSETS PROVIDED:

WOMEN - 9 DEDICATED + 1 UNISEX

MEN - 9 DEDICATED + 1 UNISEX

LAVATORIES

DAYCARE - 320 / 50 PEOPLE = 6.4 FIXTURES
WOMEN - 3.2 FIXTURES
MEN - 3.2 FIXTURES

BUSINESS - 13 PEOPLE / 40 = .325 FIXTURES.

WOMEN - .17 FIXTURES

MEN - .17 FIXTURES

ASSEMBLY

383 / 200 WOMEN = 1.92

383 / 200 MEN = 1.92

TOTAL LAVATORIES REQUIRED

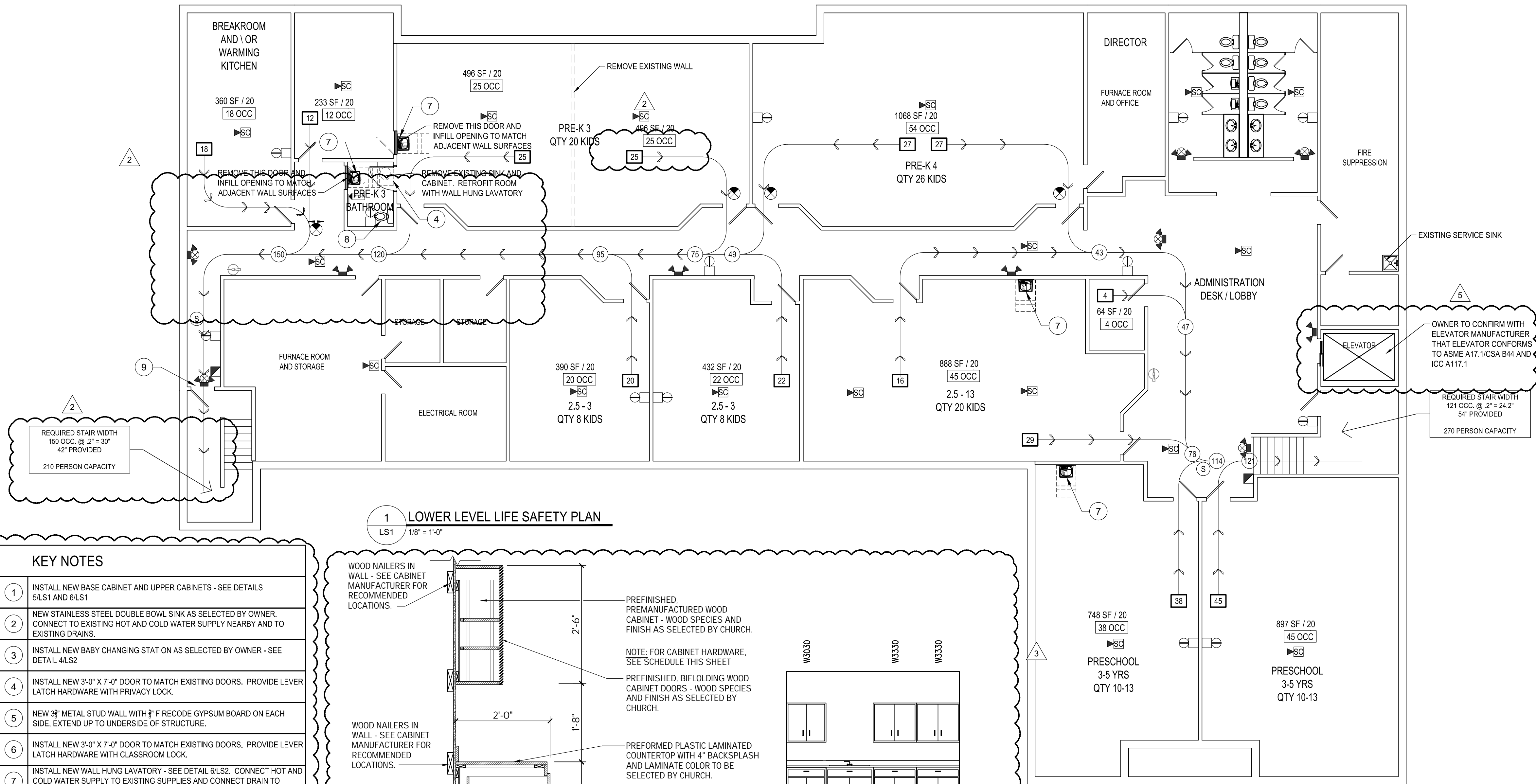
WOMEN - 5.29 (6 FIXTURES)

MEN - 5.29 (6 FIXTURES)

TOTAL LAVATORIES PROVIDED:

WOMEN - 5 DEDICATED + 3 OF 5 UNISEX (8 TOTAL)

MEN - 5 DEDICATED + 2 OF 5 UNISEX (7 TOTAL)

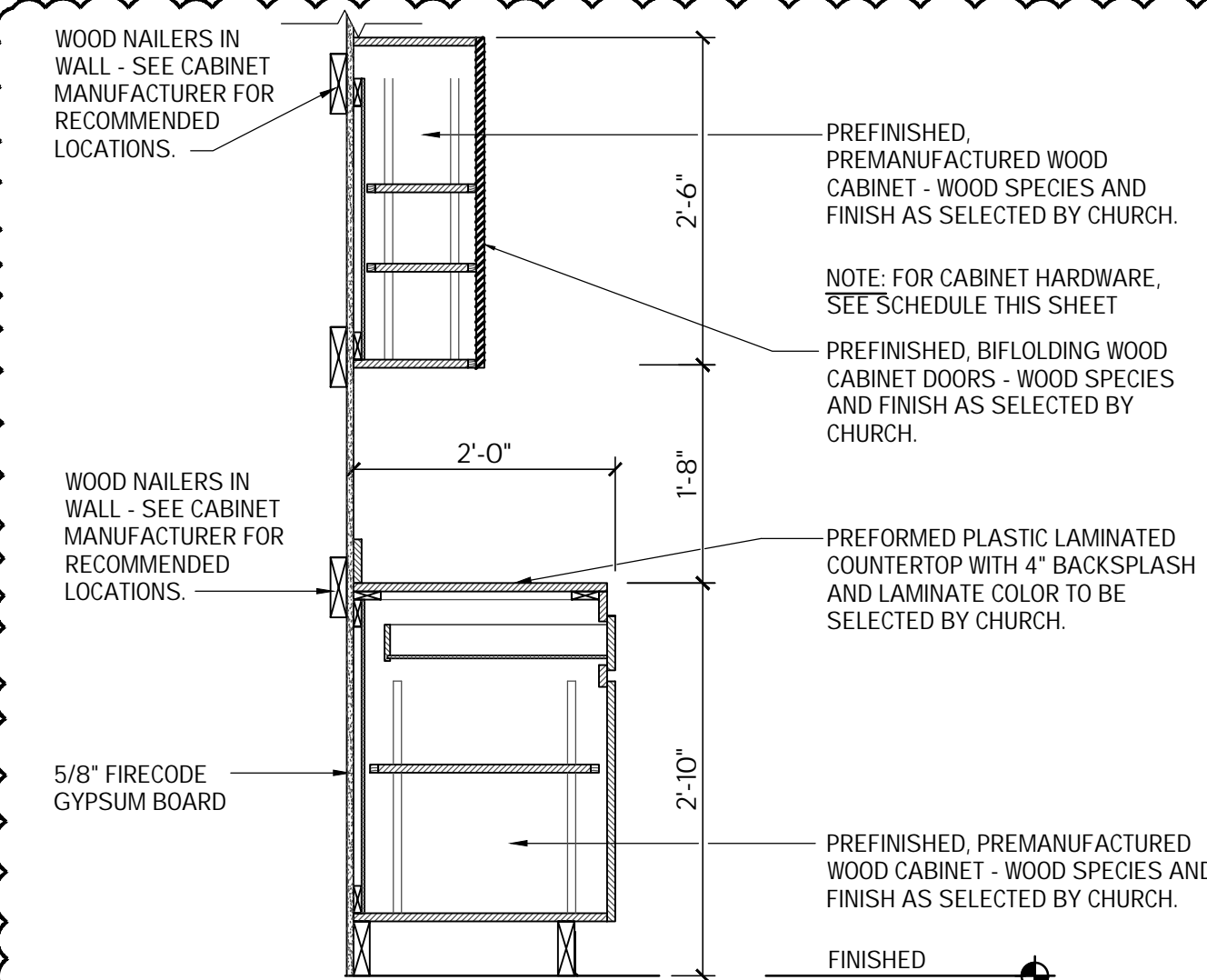


KEY NOTES

- INSTALL NEW BASE CABINET AND UPPER CABINETS - SEE DETAILS 5LS1 AND 6LS1
- NEW STAINLESS STEEL DOUBLE BOWL SINK AS SELECTED BY OWNER. CONNECT TO EXISTING HOT AND COLD WATER SUPPLY NEARBY AND TO EXISTING DRAINS.
- INSTALL NEW BABY CHANGING STATION AS SELECTED BY OWNER - SEE DETAIL 4LS2
- INSTALL NEW 3'-0" X 7'-0" DOOR TO MATCH EXISTING DOORS. PROVIDE LEVER LATCH HARDWARE WITH PRIVACY LOCK.
- NEW 3/8" METAL STUD WALL WITH 5/8" FIRECODE GYPSUM BOARD ON EACH SIDE, EXTEND UP TO UNDERSIDE OF STRUCTURE.
- INSTALL NEW 3'-0" X 7'-0" DOOR TO MATCH EXISTING DOORS. PROVIDE LEVER LATCH HARDWARE WITH CLASSROOM LOCK.
- INSTALL NEW WALL HUNG LAVATORY - SEE DETAIL 6LS2. CONNECT HOT AND COLD WATER SUPPLY TO EXISTING SUPPLIES AND CONNECT DRAIN TO EXISTING AS REQUIRED.
- PROVIDE CHILD SIZE TOILET WITH TOILET ACCESSORIES AND GRAB BARS FOR CHILD SIZE TOILET. SEE DETAIL 5LS2.
- REMOVE EXISTING LOCKSET HARDWARE AND INSTALL NEW PANIC HARDWARE AND LOCK SET AS REQUIRED
- REMOVE EXISTING METAL STUD WALL
- PROVIDE NEW EXIT LIGHT WITH BATTERY BACK UP

1 LOWER LEVEL LIFE SAFETY PLAN

LS1 1/8" = 1'-0"



5 TYPICAL CABINET SECTION

LS1 3/4" = 1'-0"

6 CABINET ELEVATION

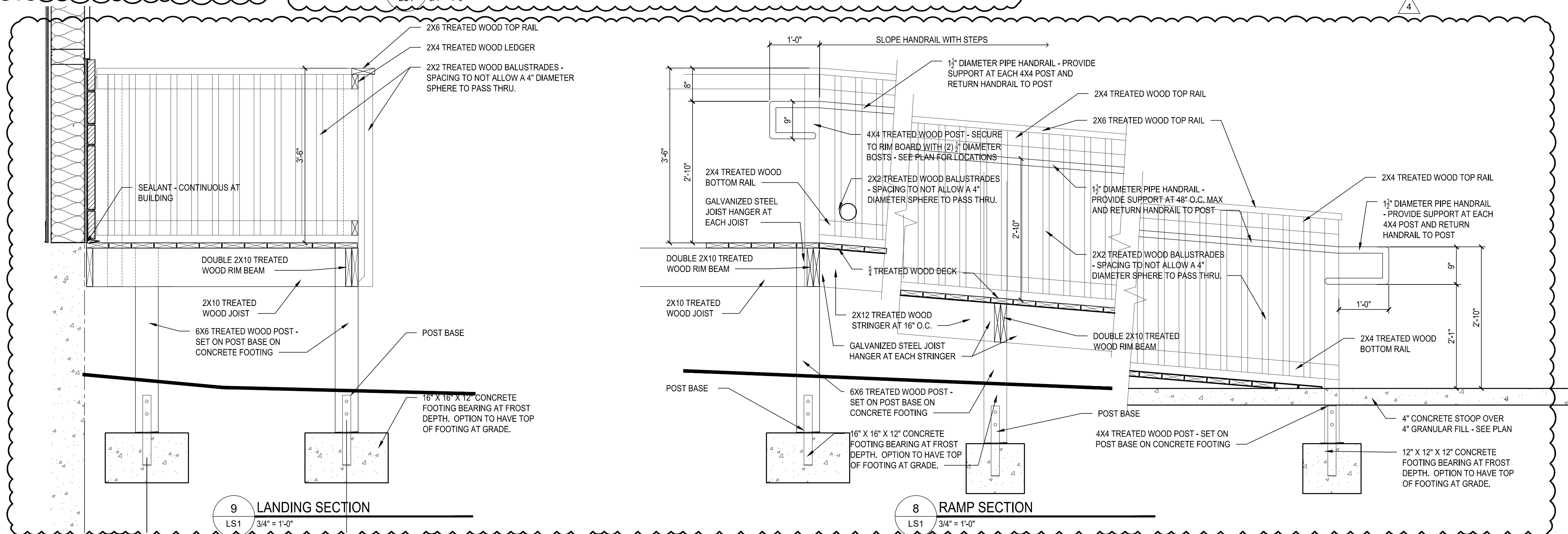
LS1 1/4" = 1'-0"

PLAN CONDITIONALLY APPROVED

No Variation of this Plan is Permitted without the Approval of E-Plan Exam and the Municipal Building Inspection Department. See Plan Review Letter and/or Permit for additional conditions that must be addressed during construction prior to inspection.

Review Type: Building & Structure Review Only.

Approved By: *Chris Hill* Date: 05/29/2025

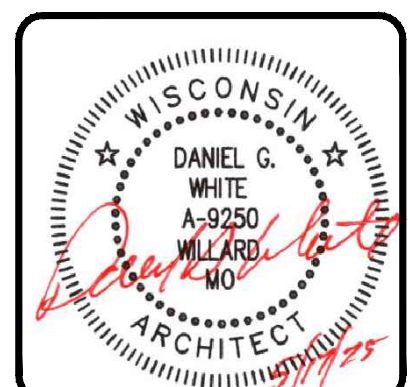


9 LANDING SECTION

LS1 3/4" = 1'-0"

8 RAMP SECTION

LS1 3/4" = 1'-0"



Daniel G. White, Architect

PO Box 695
8576 West Farm Road 76
Willard, Missouri 65781

dgenerations@gmail.com

A Project for:
ZION CHURCH BUILDERS, INC.

P.O. Box 218
Mattawan, MI 49071
(269) 544-7211 - (269) 544-7216 Fax
email: zionchurchbuilders@gmail.com

A LIFE SAFETY STUDY TO PROVIDE FOR A CHANGE OF USE

DAYCARE IN TRUE LIFE CHURCH

Waukesha, Wisconsin

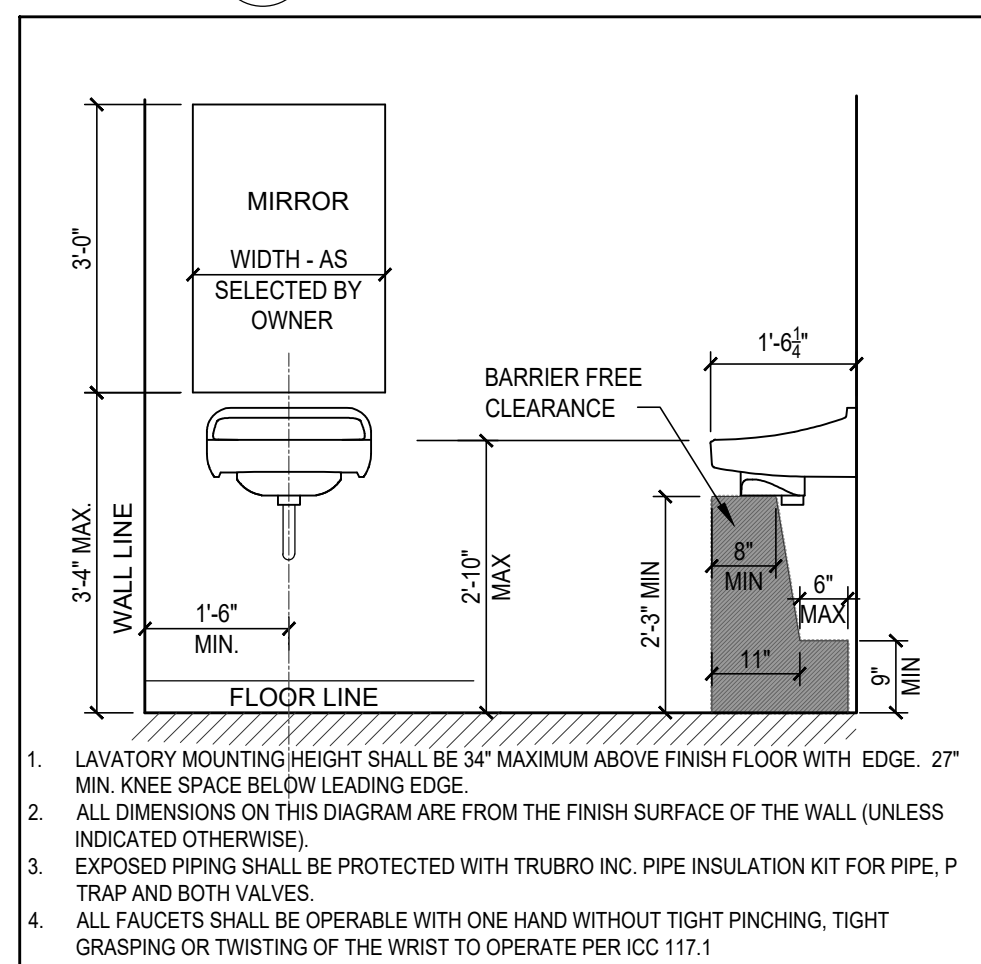
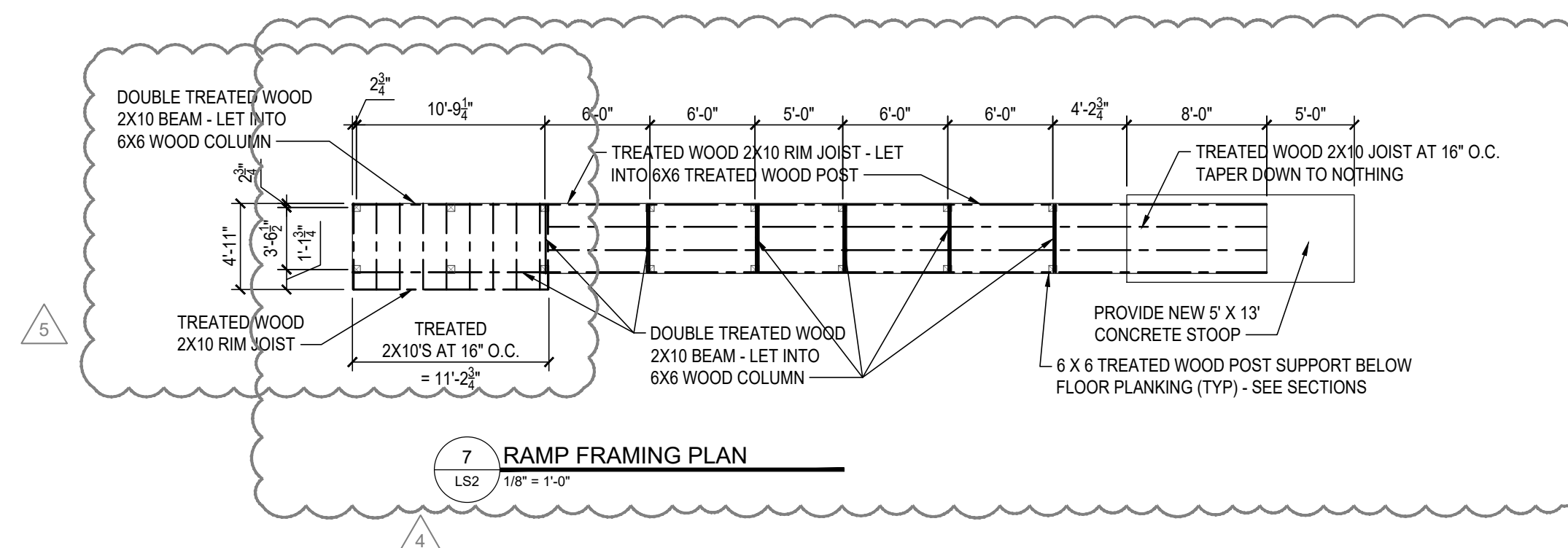
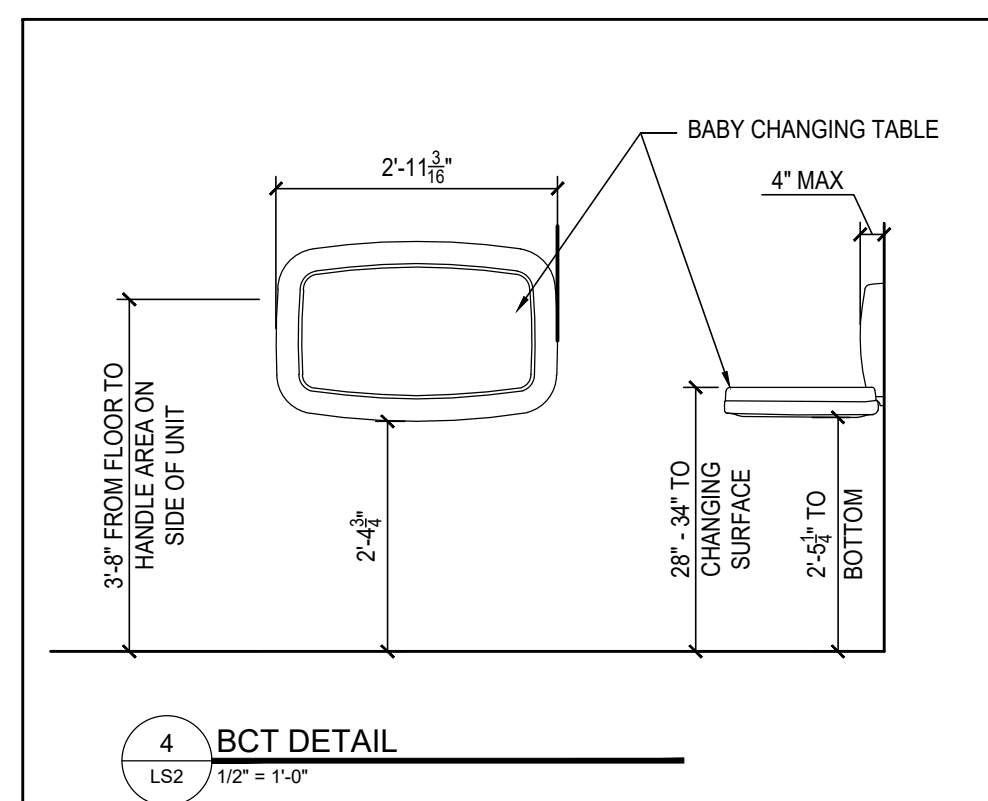
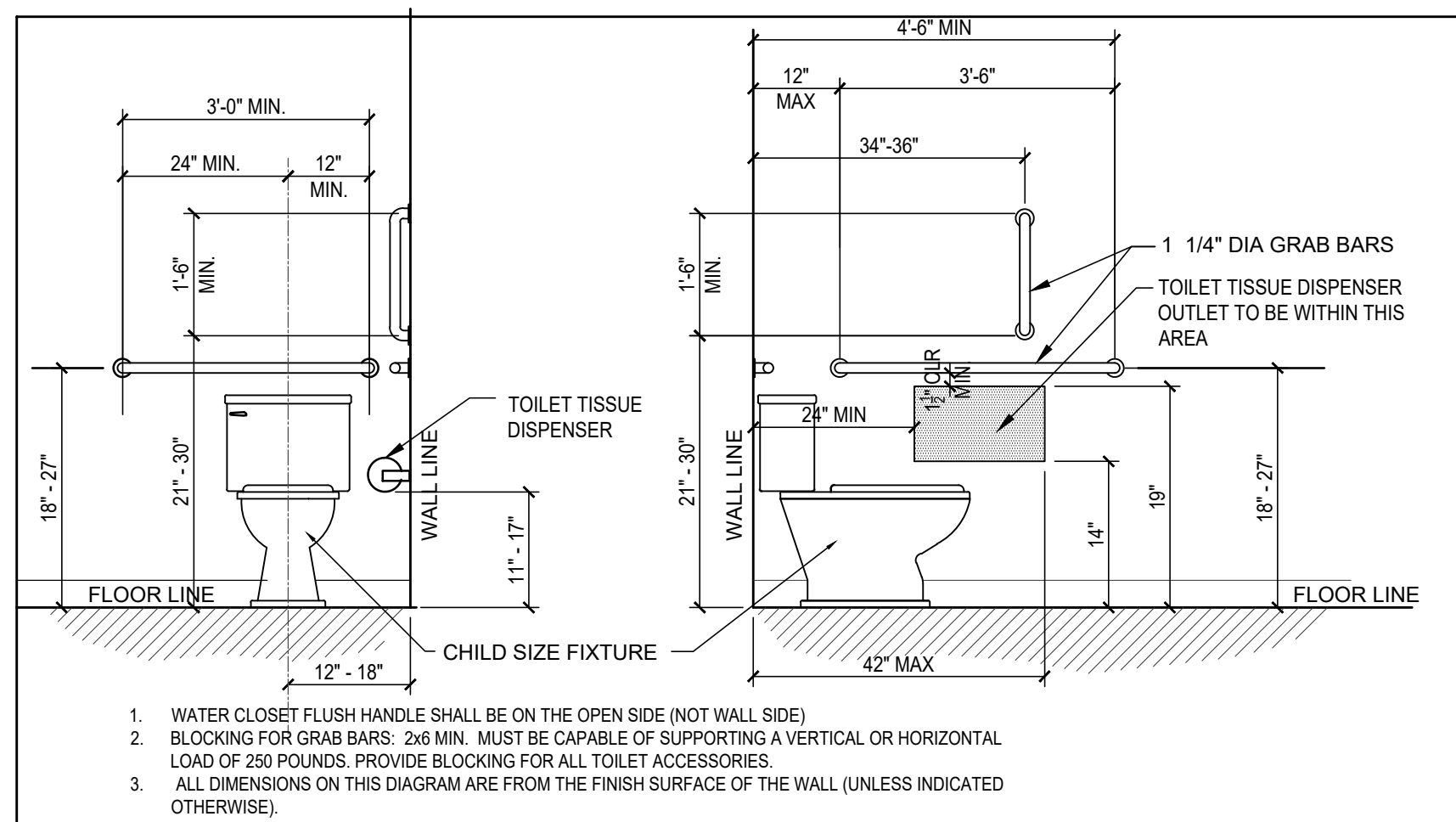
LIFE SAFETY PLAN

5	17MAY25
4	12APR25
3	22MAR25
2	03FEB25
1	30JAN25
No.	Date

















PROJECT NUMBER
24-242448

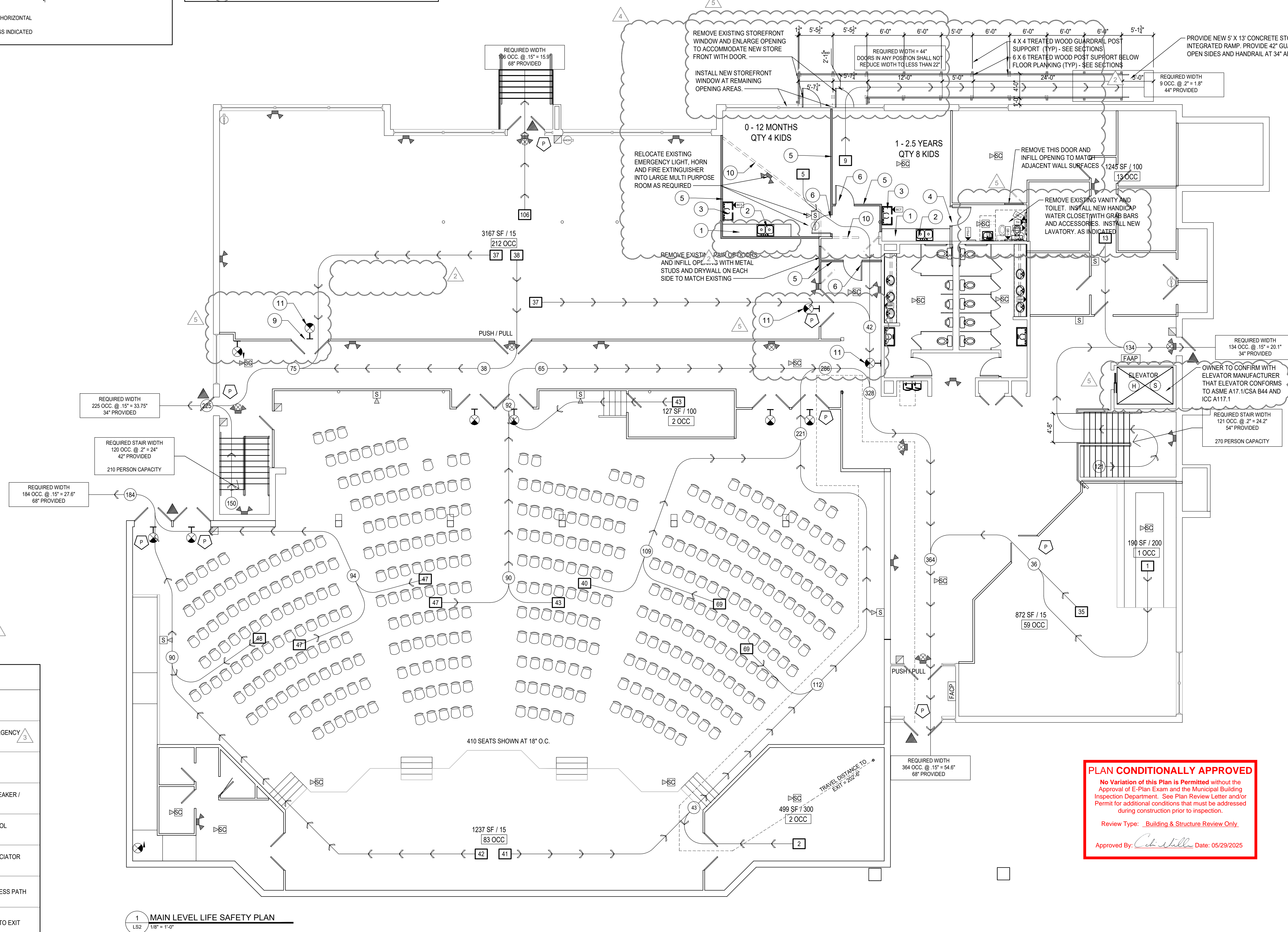
ORIGINAL ISSUE DATE
03DEC24

LS1
© 2024 OF 2



KEY NOTES	
1	INSTALL NEW BASE CABINET AND UPPER CABINETS - SEE DETAILS 5/LS1 AND 6/LS1
2	NEW STAINLESS STEEL DOUBLE BOWL SINK AS SELECTED BY OWNER. CONNECT TO EXISTING HOT AND COLD WATER SUPPLY NEARBY AND TO EXISTING DRAINS.
3	INSTALL NEW BABY CHANGING STATION AS SELECTED BY OWNER - SEE DETAIL 4/LS2
4	INSTALL NEW 3'-0" X 7'-0" DOOR TO MATCH EXISTING DOORS. PROVIDE LATCH HARDWARE WITH PRIVACY LOCK.
5	NEW 3/8" METAL STUD WALL WITH 1/2" FIRECODE GYPSUM BOARD ON EACH SIDE. EXTEND UP TO UNDERSIDE OF STRUCTURE.
6	INSTALL NEW 3'-0" X 7'-0" DOOR TO MATCH EXISTING DOORS. PROVIDE LATCH HARDWARE WITH CLASSROOM LOCK.
7	INSTALL NEW HUNG LAVATORY - SEE DETAIL 6/LS2. CONNECT HOT AND COLD WATER SUPPLY TO EXISTING SUPPLIES AND CONNECT DRAIN TO EXISTING AS REQUIRED.
8	PROVIDE CHILD SIZE TOILET WITH TOILET ACCESSORIES AND GRAB BARS FOR CHILD SIZE TOILET. SEE DETAIL 5/LS2.
9	REMOVE EXISTING LOCKSET HARDWARE AND INSTALL NEW PANIC HARDWARE AND LOCK SET AS REQUIRED
10	REMOVE EXISTING METAL STUD WALL
11	PROVIDE NEW EXIT LIGHT WITH BATTERY BACK UP

LIFE SAFETY DRAWING LEGEND			
	DESIGNATED EXIT		EMERGENCY LIGHT
	PANIC HARDWARE		COMBO EXIT / EMERGENCY LIGHT
	FIRE EXTINGUISHER		EXIT LIGHT
	FIRE ALARM PULL STATION		CEILING MOUNT SPEAKER / STROBE
	WALL MOUNT SPEAKER		FIRE ALARM CONTROL PANEL
	WALL MOUNT SPEAKER / STROBE		FIRE ALARM ANNUNCIATOR PANEL
	NUMBER OF PEOPLE EXITING SPACE		DIRECTION OF EGRESS PATH
	TOTAL NUMBER OF PEOPLE AT THAT POINT IN EGRESS PATH		TRAVEL DISTANCE TO EXIT



PLAN CONDITIONALLY APPROVED

No Approval of this Plan is Permitted without the
Variation of E-Plan Exam and the Municipal Building
Inspection Department. See Plan Review Letter and/or
Permit for additional conditions that must be addressed
during construction prior to inspection.

Review Type: Building & Structure Review Only

Approved By: C. J. Stille Date: 05/29/2025



Daniel G. White, Architect

PO Box 695
8576 West Farm Road 76
Willard, Missouri 65781

dgenerations@gmail.com

(417) 425-9818

A Project for:
ZION CHURCH BUILDERS, INC.
P.O. Box 218
Mattawan, MI 49071
(269)544-7211 - (269) 544-7216 Fax
email: zionchurchbuilders@gmail.com

A LIFE SAFETY STUDY TO PROVIDE FOR A CHANGE OF USE

DAYCARE IN TRUE LIFE CHURCH

Waukesha, Wisconsin

LIFE SAFETY PLAN - MAIN LEVEL

6	27MAY25
5	17MAY25
4	12APR25
3	22MAR25
2	03FEB25
No.	Date

PROJECT NUMBER
24-242448

03DEC24

LS2
© 2024 OF 2