

Introduction

Peace Lutheran Church is located at 8600 East Bush Lake Road, Bloomington, MN 55438. Peace has been an integral part of our Bloomington neighborhood for over 35 years! Over those 35 years, our congregation has seen its share of change. We currently find our community in need of a remodel to our existing space, an expansion of parking and a modest addition of square footage. These proposed changes are described below in the proposed work section. Additionally, we are requesting an amendment to our existing CUP to add non-concurrent use agreement and a variance to building setback. The details supporting these requests are outlined below.

Building and Site Background

The first phase of construction was in 1980 and included a sanctuary (currently the Parish Hall), narthex, offices and classrooms.

An addition was constructed in 1989 that included a new Sanctuary, enlarged narthex, kitchen and lower level classrooms. The existing Sanctuary was re-purposed to serve as the Parish Hall.

A remodeling of the narthex was completed in 2002. This remodel did not include any additional square footage.

The adjacent property to the northwest that includes a duplex (7101/7301 W. 86th Street) was purchased by the congregation in 1997 and has served as a program space. The duplex was constructed in 1978.

Description of Proposed Work

Interior

The congregation requests approval to remodel existing construction to provide four classrooms on the upper level and four classrooms and a nursery on the lower level. One of the lower level classrooms is open to the corridor. There is currently one classroom on the upper level and four classrooms and a nursery on the lower level. The existing kitchen will be remodeled to serve as a sacristy and storage.

New construction will include administration space, kitchen, toilets and storage.

Existing upper level area is 9,008 SF and existing lower level area is 2,949 SF. Total existing area is 11,957 SF.

Area of proposed new construction is 2,774 SF. Total area of proposed building is 14,731 SF.

Current Parking

The existing parking lot currently has 92 stalls. Our current parking lot is adequate for the vast majority of services and events held at Peace. The average yearly breakdown for services is:

- 110 (96%) of the services are regular Sunday or midweek services. These services rarely result in any overflow of the current lot.
- 5 (4%) of these services are Easter Sunday, Christmas Eve and an occasional very well-attended funeral service. These services may result in overflow of the current parking lot which results in parking on 86th and the surrounding neighborhood streets.

While our lot is adequate the majority of time, we want to remain good neighbors and respond to the times when parking is not adequate. Therefore, we are proposing additional parking.

Proposed Parking

The existing parking lot will be modified and the duplex will be demolished and the land will be used to provide additional parking/proof-of-parking.

The modification of the current lot will result in 73 stalls and 7 proof of parking stalls on the northwest corner of the lot. The addition of the upper lot will result in 45 parking stalls with 9 proof of parking stalls on the east side. The total will be 134 stalls; 118 now with an additional 16 proof of parking stalls that could be added later if necessary.

The proposed addition of 2,774 square feet requires Peace to add 5 parking stalls. However, we are seeking to add a total of 26 spaces; 21 more than required.

Non-Concurrent Use Agreement

Current parking requirements indicate that Peace would need to have 185 stalls for the building, including the proposed 2,774sf addition. The Peace Lutheran site is not able to support 185 parking stalls and we are requesting a non-concurrent use agreement. The reasons that we are making this request are as follows:

1. The manner in which Peace utilizes the building is reasonable and is supported by fewer number of parking stalls. The normal activities, worship, education and events, are conducted non-concurrently. We do not and will not have activities that use all areas of the building at the same time. We have put together the three most common building use scenarios to illustrate what areas of the building are used and how many parking stalls are necessary. In each of these scenarios, our proposed parking plan will provide more than enough stalls. **Please see the parking space calculations and the use scenarios.**
 - Scenario 1: Regular Sunday Services
Currently, we do not hold any education during the worship services and therefore, the Sanctuary and nursery are the areas utilized during the worship services. The number of parking stalls required for this is 100. Education is held between or after services in the Parish Hall, classrooms and nursery. The number of stalls required for this is 20. If we were to move to concurrent worship and education, the maximum number of stalls needed would be 120.
 - Scenario 2: Christmas Eve and Easter Sunday
We do not have any education taking place on these Holidays and therefore, we use only the Sanctuary and the nursery. For these well attended services, we may have overflow seating in the south section of the narthex. When the Sanctuary, nursery and south narthex are fully used, 118 parking stalls are required.
 - Scenario 3: Visitation or Wedding non-ceremony space
We use the upper level areas for funeral (and very rarely wedding) receptions. These areas include the Parish Hall, south and mid narthex and the upper level classrooms. These receptions take place after the ceremony so the Sanctuary is not used concurrently with the reception space. When these areas are fully utilized, 84 parking stalls are required.
2. Granting the non-concurrent use agreement, allows us to double the number of current stalls and assure adequate available parking for our needs. If the non-concurrent use agreement isn't granted and we remain at the current number of stalls, we will not have addressed the needs on Christmas Eve and Easter Sunday.

Setback Variance

In 1980, when the original structure was built, Peace was granted building setback variance from East Bush Lake Road. The variance reduced the setback from 60' to 34'. The addition of the 2,774 square feet will be on the north and the east side on the current building. For the following reasons, we are requesting that the new building addition also be granted a variance from the 60' setback.

1. Our drawings show that the setback for the addition is 35' from East Bush Lake Road; within the 34' variance that was granted in 1980.
2. This variance would allow consistency of the building plan and footprint. The addition would become a harmonious piece of the existing building. The building will not appear to be any closer to East Bush Lake Road than the current variance already allows.
3. The unique angle shape of the property makes it difficult to retain the 60' setback. The 'stepped' form of the building is such that the setback varies, with the closest distance from the building to the property line being 34'.
4. The additional right of way on the county road makes it difficult to retain the 60" setback.

Attachments

- A0.1 - Code Review
- A0.2 - Code Plan
- A1.0 - Site Plan
- A1.1 - Axonometric Views
- A2.0 - Main Level Floor Plan
- A2.1 - Lower Level Floor Plan
- A5.0 - Exterior Elevations
- A5.1 - Exterior Elevations
- C1.0 to C6.0 – Civil Engineering Drawings
- L100 to L103 – Landscaping Drawings
- Proposed Easement Vacation Sketch
- Parking space calculations and concurrent use scenarios

| Sanctuary Occupant Load Determination Options | Area | Occupant Load Factor | Occupants | Required Parking Spaces | Use Scenarios | | |
|---|--|----------------------|-----------|-------------------------|--|---|--|
| | | | | | Scenario 1- Worship Use- Reguar Sundays and midweek services | Scenario 2- Worship Use- Christmas and Easter | Scenario 3- Visitation or Wedding-Non Ceremony Space |
| Lower Level | | | | | | | |
| Nursery | 327 | 800 | 0.41 | 0.14 | 0.14 | 0.14 | 0.14 |
| Lounge | 230 | 400 | 0.58 | 0.19 | 0.19 | | 0.19 |
| Classroom A | 332 | 800 | 0.42 | 0.14 | 0.14 | | |
| Classroom B | 300 | 800 | 0.38 | 0.13 | 0.13 | | |
| Classroom C | 238 | 800 | 0.30 | 0.10 | 0.10 | | |
| Main Level | | | | | | | |
| Classroom A* | 300 | 15 | 20.00 | 6.67 | 6.67 | | 6.67 |
| Classroom B* | 291 | 15 | 19 | 6.33 | 6.33 | | 6.33 |
| Classroom C | 379 | 800 | 0.47 | 0.16 | 0.16 | | |
| Classroom D | 406 | 800 | 0.51 | 0.17 | 0.17 | | |
| Coats | 165 | 0 | | | | | |
| Narthex | 2,547 | | | | | | |
| Narthex (South) | 824 | 15 | 54.93 | 18.31 | | 18.31 | 18.31 |
| Narthex (Mid) | 520 | 15 | 34.67 | 11.56 | | | 11.56 |
| Narthex (North Circulation) | 1,203 | 0 | | | | | |
| Parish Hall | 1,611 | 15 | 107.40 | 35.80 | | | 35.80 |
| Option 1-Not Used | Sanctuary Seating (By area-2,717 / 15 = 181.13 / 3 = 60.38 stalls) | 2,717 | 15 | 181.13 | 60.38 | | |
| Option 2 -Used | Sanctuary Open (Chancel-144/15 = 9.60 / 3 = 3.20) | 144 | 15 | 9.60 | 3.20 | 3.20 | 3.20 |
| | Sanctuary (determined by number of seats = 262) | | | 262 | 87.33 | 87.33 | 87.33 |
| | Sanctuary (replace music with seating 48-20=additional 28) | | | 28 | 9.33 | 9.33 | 9.33 |
| Sacristy | 228 | 100 | 2.28 | 0.76 | 0.76 | | |
| Mother's Room | 102 | 100 | 1.02 | 0.34 | 0.34 | | |
| Offices | 920 | 1 Space/285 | | 3.2 | 3.2 | | 3.2 |
| Kitchen | 425 | 100 | 4.25 | 1.42 | 1.42 | | 1.42 |
| Storage | 280 | 0 | | | | | |
| Total | | | | 185.30 | 119.63 | 118.31 | 83.64 |
| * These spaces are used by adults and children so we opted to use the adult calculation for parking | | | | | | | |

Use Scenarios

Scenario 1

Regular Sunday Services

Currently we use the Sanctuary and the nursery which requires 100 parking spaces.

If in the future we begin to use other spaces (education, kitchen etc.) we would need up to 120 parking spaces.

Scenario 2

Easter and Christmas Services (and very rarely a funeral service)

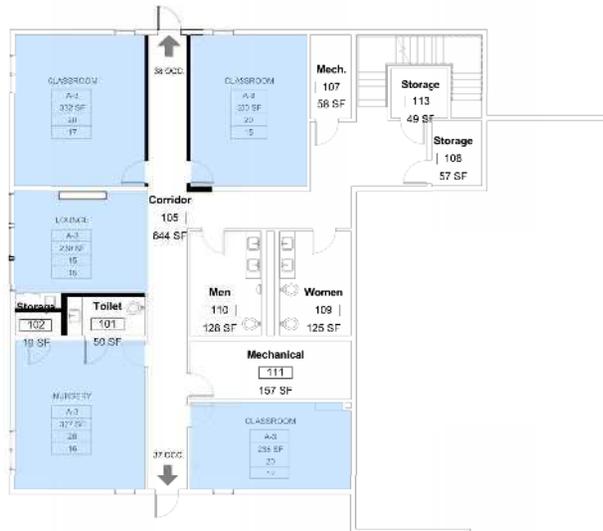
We use the Sanctuary, the south Narthex for overflow and the nursery which requires 118 parking spaces.

Scenario 3

Gathering/reception space for funerals and weddings

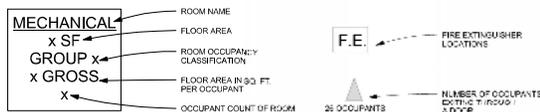
For funerals (and very rarely a wedding), we use the several gathering areas for the reception. These gatherings require 84 parking spaces.

We do not use the Sanctuary and these gathering spaces at the same time. People move from the service to the reception.



2 Lower Level Code Plan
1/8" = 1'-0"

Scenario 1
Worship Use-Regular Sundays & Midweek Services
07 29 16



Code Plan Key
1" = 20'-0"

APPLICABLE CODES

2015 MINNESOTA BUILDING CODE INCORPORATING:
2012 INTERNATIONAL BUILDING CODE

2012 INTERNATIONAL ENERGY CONSERVATION CODE
2012 INTERNATIONAL MECHANICAL CODE
2012 INTERNATIONAL FUEL GAS CODE
2012 INTERNATIONAL PLUMBING CODE
2011 NATIONAL ELECTRIC CODE

GROSS FLOOR AREA (IBC Sec.1002.1)

LOWER LEVEL GROSS AREA: 2,879 SF
MAIN LEVEL GROSS AREA (EXIST): 9,008 SF
MAIN LEVEL GROSS AREA (NEW): 2,847 SF

TOTAL LOWER LEVEL GROSS AREA: 2,879 SF
TOTAL MAIN LEVEL GROSS AREA: 11,855 SF

TOTAL BUILDING GROSS AREA: 14,834 SF

NET FLOOR AREA (IBC Sec.1002.1)

LOWER LEVEL NET AREAS:

NURSERY: 327 SF
LOUNGE: 230 SF
CLASSROOM A: 332 SF
CLASSROOM B: 300 SF
CLASSROOM C: 238 SF

TOTAL LOWER LEVEL NET AREA: 1427 SF

MAIN LEVEL NET AREAS:

CLASSROOM A: 300 SF
CLASSROOM B: 291 SF
CLASSROOM C: 378 SF
CLASSROOM D: 408 SF
COATS: 165 SF
NARTHEX: 2,547 SF
PARISH HALL: 1,611 SF
SANCTUARY: 2,717 SF
SACRISTY: 228 SF
MOTHER'S ROOM: 102 SF
OFFICES: 920 SF
KITCHEN: 425 SF
GARAGE: 285 SF

TOTAL MAIN LEVEL NET AREA: 10,376 SF

OCCUPANCY TYPE (IBC Sec.303)

LOWER LEVEL ROOMS: TYPE A-3
MAIN LEVEL ROOMS: TYPE A-3, TYPE B

OCCUPANT LOAD PER IBC (IBC Table 1004.1.2)

LOWER LEVEL OCC. LOAD:

NURSERY: 327 SF/20 = 16
LOUNGE: 230 SF/15 = 15
CLASSROOM A: 332 SF/20 = 17
CLASSROOM B: 300 SF/20 = 15
CLASSROOM C: 238 SF/20 = 12

TOTAL LOWER LEVEL OCC. LOAD: 75 OCCUPANTS

MAIN LEVEL OCC. LOAD:

CLASSROOM A: 300 SF/20 = 15
CLASSROOM B: 291 SF/20 = 15
CLASSROOM C: 378 SF/20 = 19
CLASSROOM D: 408 SF/20 = 20
COATS: 165 SF/15 = 11
NARTHEX: 2,222 SF/15 = 148
PARISH HALL: 1,611 SF/15 = 107
SANCTUARY: 2,717 SF/15 = 181
SACRISTY: 228 SF/100 = 2
MOTHER'S ROOM: 102 SF/100 = 1
OFFICES: 920 SF/100 = 9
KITCHEN: 425 SF/200 = 2

TOTAL MAIN LEVEL OCC. LOAD: 530 OCCUPANTS

TOTAL BUILDING OCCUPANT LOAD: 605 OCCUPANTS

ACCESSORY OCCUPANCIES (IBC Sec.508.2)

TOTAL MAIN LEVEL AREA: 10,376 SF
TOTAL MAIN LEVEL B AREA: 920 SF
B AREA LESS THAN 10% OF TOTAL MAIN LEVEL BLDG. AREA
B OCCUPANCY IS ACCESSORY TO A-3 OCCUPANCY

OCCP. SEPARATION (IBC Sec.508.3)

NO SEPARATION REQUIRED - NON-SEPARATED USE

Code Review
12" = 1'-0"

CORRIDOR FIRE-RESISTANCE (IBC Sec 1018)

REQUIRED FIRE-RESISTANCE RATING (HOURS)
FOR OCCUPANCY TYPE A-3 AND B: 0 HOURS

"BUILDING IS EQUIPPED THROUGHOUT WITH
AUTOMATIC SPRINKLER SYSTEM"

INCIDENTAL USE SEPARATION (IBC Sec.509)

NONE REQUIRED - BUILDING IS EQUIPPED THROUGHOUT
WITH AUTOMATIC SPRINKLER SYSTEM

MIN. EGRESS REQ. (IBC Table 1015.1)

SEE EXIT DIAGRAM, SHEET A0.1 AND A0.2, FOR SPECIFIC
INFORMATION

BUILDING: 3 EXITS REQUIRED, 3 EXITS ARE PROVIDED

MIN. EXIT WIDTH (IBC TABLE 1005.1, P205)

SEE EXIT DIAGRAM, SHEET A0.1 AND A0.2, FOR SPECIFIC
INFORMATION

LOWER LEVEL: 75 OCCS. X 0.2" = 15" REQ'D, 68" PROVIDED
AT STAIRWAY: 75 OCCS. X 0.3" = 23" REQ'D, 48" PROVIDED

MAIN LEVEL: 535 OCCS. X 0.2" = 107" REQ'D.

CONSTRUCTION TYPES (IBC Sec.602)

R III DINC: TYPE V-R

FIRE RESISTANCE-BLDG. (IBC Table 601)

BUILDING = 0 HRS.

FIRE RESISTANCE-CORRIDORS (IBC Table 1018.1)

OCCUPANCY A AND B W/ SPRINKLER SYSTEM = 0 HRS.

FIRE RESISTANCE-EXT. WALLS (Table 602)

FIRE SEPARATION DISTANCE IS GREATER THAN
10', SO 0 HRS. RATING IS REQUIRED

ALL CRAWL F AREAS (IBC Table 503)

USE MOST RESTRICTIVE BETWEEN TYPES A-3 & B

TYPE A-3 IS MOST RESTRICTIVE

TABULAR ALLOWED=8000 SOFTFLR. @ 1 STORY ABOVE GRADE

MAIN LEVEL, 1 STORY ABOVE GRADE:

GROSS FLOOR AREA = 11,855 SF (IBC Table 503)

HEIGHT INCREASE (IBC Sec. 504)

BUILDING HEIGHT IS LESS THAN 40' SO HEIGHT INCREASE
CALCULATIONS ARE NOT NECESSARY

AREA INCREASE (IBC Sec.508.3)

INCREASE FOR SPRINKLER SYSTEM: I_s = 3

INCREASE FOR FRONTAGE: NOT REQ.

PERMITTED INCREASE: 6000 X 3 = 18,000 SF

MAIN LEVEL GROSS FLOOR AREA: 11,855 SF

BUILDING IS WITHIN PERMITTED INCREASE

MIN. PLUMBING FIXTR. (IBC Table 2902.1, p211)

TOTAL BUILDING OCCUPANT LOAD = 605 605/2 = 303 PER SEX

303/75 = 4 TOILETS REQUIRED FOR WOMEN

303/150 = 2 TOILETS REQUIRED FOR MEN

303/200 = 2 LAVATORIES PER ROOM REQUIRED

SERVICE SINK: 1 REQUIRED

TOTAL PLUMBING FIXTURES REQUIRED:

4 TOILETS ARE REQUIRED FOR WOMEN

2 TOILETS ARE REQUIRED FOR MEN

2 LAVATORIES ARE PROVIDED IN EACH RESTROOM

DRINKING FOUNTAINS
1 DRINKING FOUNTAIN IS PROVIDED

FIRE ALARM AND DETECTION (IBC Sec. 907)

TYPE A-3 NO MANUAL ALARM SYSTEM REQUIRED

TYPE B NO MANUAL ALARM SYSTEM REQUIRED

SPRINKLER (IBC Sec. 903.2.1.3)

THE BUILDING IS FULLY-EQUIPPED WITH AN
AUTOMATIC SPRINKLER SYSTEM

Peace Lutheran Church

8600 E. Bush Lake Rd. Bloomington, MN 55438

Project Status

PROGRESS SET
NOT FOR CONSTRUCTION
June 25, 2016

XXXXXXXX Registration No.

SEAL

DATE Issue Date

PROJ. NO. 1511.00

Code Review

TITLE

SHEET NO. A0.1

Peace Lutheran Church

8600 E. Bush Lake Rd. Bloomington, MN 55438

Project Status

PROGRESS SET
NOT FOR CONSTRUCTION
June 25 2016

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

XXXXXX Registration No.

SEAL

DATE Issue Date

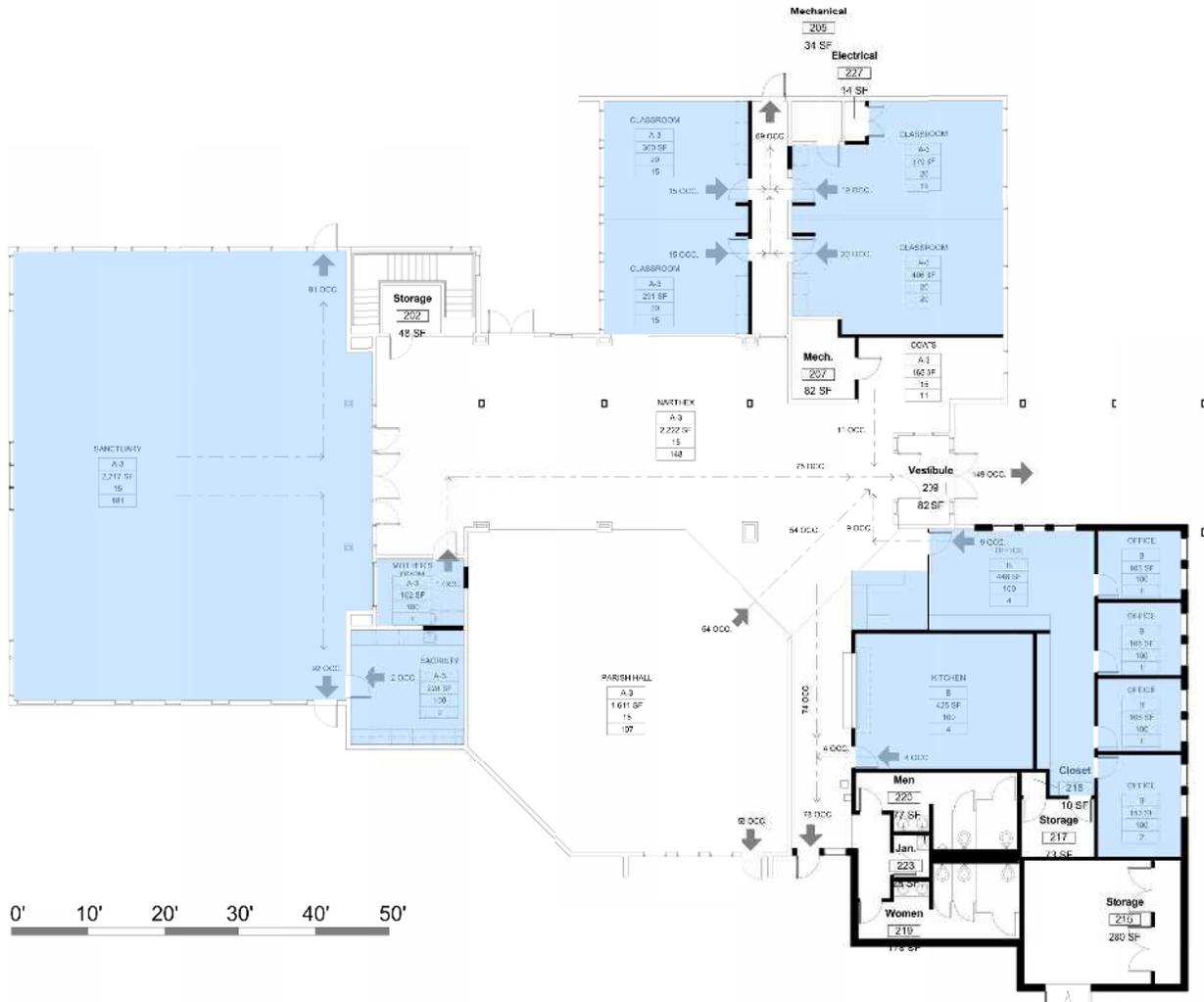
PROJ. NO. 1511.00

Code Plan

TITLE

A0.2

SHEET NO.

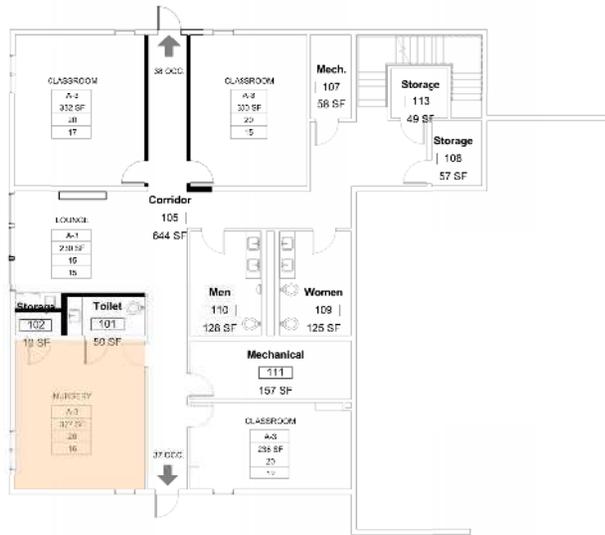


1 Main Level Code Plan
1/8" = 1'-0"

Scenario 1
Worship Use-Regular Sundays & Midweek Services
07 29 16

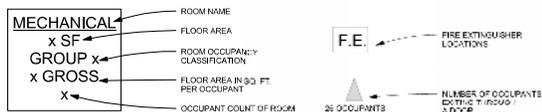


Code Plan Key
1" = 20'-0"



2 Lower Level Code Plan
1/8" = 1'-0"

Scenario 2
Worship Use-Christmas & Easter
07 29 16



Code Plan Key
1" = 20'-0"

APPLICABLE CODES

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GROSS FLOOR AREA (IBC Sec.1002.1)

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MAIN LEVEL GROSS AREA (EXIST): 9,008 SF
MAIN LEVEL GROSS AREA (NEW): 2,847 SF

TOTAL LOWER LEVEL GROSS AREA: 2,879 SF
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SACRISTY: 228 SF
MOTHER'S ROOM: 102 SF
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GARAGE: 285 SF

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SACRISTY: 102 SF/10 = 10
MOTHER'S ROOM: 920 SF/100 = 9
OFFICES: 425 SF/200 = 2
KITCHEN: 285 SF/200 = 1

TOTAL MAIN LEVEL OCC. LOAD: 530 OCCUPANTS

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B AREA LESS THAN 10% OF TOTAL MAIN LEVEL BLDG. AREA
B OCCUPANCY IS ACCESSORY TO A-3 OCCUPANCY

OCCP. SEPARATION (IBC Sec.508.3)

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FOR OCCUPANCY TYPE A-3 AND B: 0 HOURS

"BUILDING IS EQUIPPED THROUGHOUT WITH
AUTOMATIC SPRINKLER SYSTEM"

INCIDENTAL USE SEPARATION (IBC Table 509)

NONE REQUIRED - BUILDING IS EQUIPPED THROUGHOUT
WITH AUTOMATIC SPRINKLER SYSTEM

MIN. EGRESS REQ. (IBC Table 1015.1)

SEE EXIT DIAGRAM, SHEET A0.1 AND A0.2, FOR SPECIFIC
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FIRE RESISTANCE-CORRIDORS (IBC Table 1018.1)

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FIRE RESISTANCE-EXI. WALLS (Table 602)

FIRE SEPARATION DISTANCE IS GREATER THAN
10', SO 0 HRS. RATING IS REQUIRED

ALL CRAWL F AREAS (IBC Table 503)

USE MOST RESTRICTIVE TYPES A-3 & B

TYPE A-3 IS MOST RESTRICTIVE

TABULAR ALLOWED=8000 SOFTFLR. @ 1 STORY ABOVE GRADE

MAIN LEVEL, (1 STORY ABOVE GRADE)

GROSS FLOOR AREA = 11,855 SF

(IBC Table 503)

HEIGHT INCREASE (IBC Sec. 504)

BUILDING HEIGHT IS LESS THAN 40' SO HEIGHT INCREASE
CALCULATIONS ARE NOT NECESSARY

AREA INCREASE (IBC Sec.508.3)

INCREASE FOR SPRINKLER SYSTEM: $I_s = 3$

INCREASE FOR FRONTAGE: NOT REQ'D

PERMITTED INCREASE: 6000 X 3 = 18,000 SF

MAIN LEVEL GROSS FLOOR AREA: 11,855 SF

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303/150 = 2 TOILETS REQUIRED FOR MEN

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SERVICE SINK: 1 REQUIRED

TOTAL PLUMBING FIXTURES REQUIRED:

4 TOILETS ARE REQUIRED FOR WOMEN

2 TOILETS ARE PROVIDED

2 TOILETS ARE REQUIRED FOR MEN

5 TOILETS ARE PROVIDED

2 LAVATORIES ARE PROVIDED IN EACH RESTROOM

DRINKING FOUNTAINS

1 DRINKING FOUNTAIN IS PROVIDED

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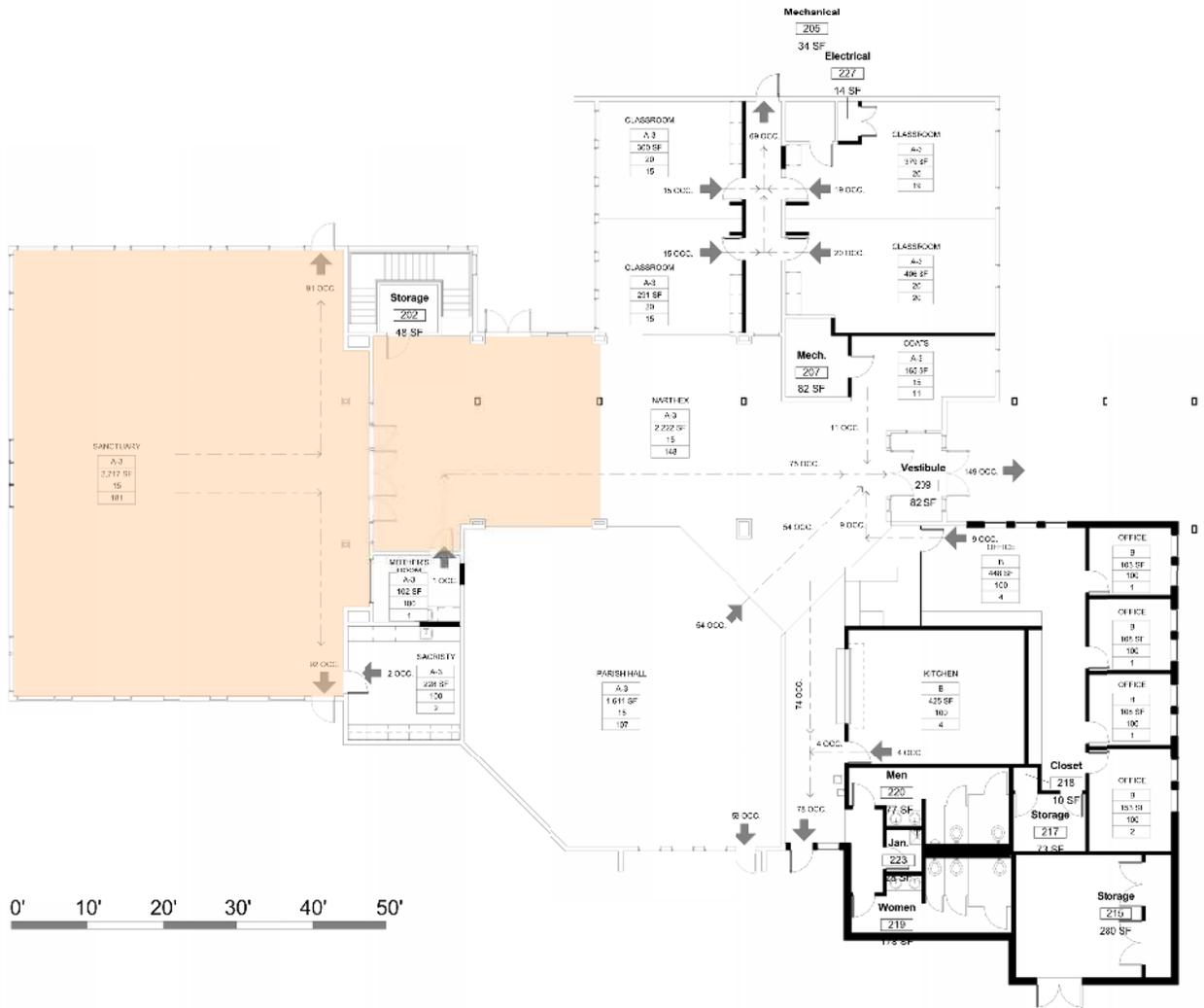
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Code Review

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SHEET NO. A0.1



0' 10' 20' 30' 40' 50'

1 Main Level Code Plan

1/8" = 1'-0"

Scenario 2
Worship Use-Christmas & Easter
07 29 16



Code Plan Key
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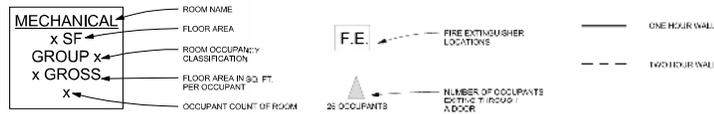
A0.2

SHEET NO.



2 Lower Level Code Plan
1/8" = 1'-0"

Scenario 3
Visitation or Wedding - Non-Ceremony Space
07 29 16



Code Plan Key
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APPLICABLE CODES

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GROSS FLOOR AREA (IBC Sec.1002.1)

LOWER LEVEL GROSS AREA: 2,879 SF
MAIN LEVEL GROSS AREA (EXIST): 9,008 SF
MAIN LEVEL GROSS AREA (NEW): 2,847 SF

TOTAL LOWER LEVEL GROSS AREA: 2,879 SF
TOTAL MAIN LEVEL GROSS AREA: 11,855 SF

TOTAL BUILDING GROSS AREA: 14,834 SF
NET FLOOR AREA (IBC Sec.1002.1)

LOWER LEVEL NET AREAS:

NURSERY 327 SF
LOUNGE 230 SF
CLASSROOM A 332 SF
CLASSROOM B 300 SF
CLASSROOM C 238 SF

TOTAL LOWER LEVEL NET AREA: 1427 SF

MAIN LEVEL NET AREAS:

CLASSROOM A 300 SF
CLASSROOM B 291 SF
CLASSROOM C 378 SF
CLASSROOM D 408 SF
COATS 165 SF
NARTHEX 2,547 SF
PARISH HALL 1,611 SF
SANCTUARY 2,717 SF
SACRISTY 228 SF
MOTHER'S ROOM 102 SF
OFFICES 920 SF
KITCHEN 425 SF
GARAGE 285 SF

TOTAL MAIN LEVEL NET AREA: 10,378 SF

OCCUPANCY TYPE (IBC Sec.303)

LOWER LEVEL ROOMS TYPE A-3
MAIN LEVEL ROOMS TYPE A-3, TYPE B

OCCUPANT LOAD PER IBC (IBC Table 1004.1.2)

LOWER LEVEL OCC. LOAD:

NURSERY 327 SF/20 = 16
LOUNGE 230 SF/19 = 12
CLASSROOM A 332 SF/20 = 17
CLASSROOM B 300 SF/20 = 15
CLASSROOM C 238 SF/20 = 12

TOTAL LOWER LEVEL OCC. LOAD: 75 OCCUPANTS

MAIN LEVEL OCC. LOAD:

CLASSROOM A 300 SF/20 = 15
CLASSROOM B 291 SF/20 = 15
CLASSROOM C 378 SF/20 = 19
CLASSROOM D 408 SF/20 = 20
COATS 165 SF/19 = 9
NARTHEX 2,222 SF/15 = 148
PARISH HALL 1,611 SF/15 = 107
SANCTUARY 2,717 SF/19 = 143
SACRISTY 102 SF/10 = 10
MOTHER'S ROOM 920 SF/100 = 9
OFFICES 425 SF/20 = 21

TOTAL MAIN LEVEL OCC. LOAD: 530 OCCUPANTS

TOTAL BUILDING OCCUPANT LOAD: 605 OCCUPANTS

ACCESSORY OCCUPANCIES (IBC Sec.508.2)

TOTAL MAIN LEVEL AREA: 10,376 SF
TOTAL MAIN LEVEL B AREA: 920 SF
B AREA LESS THAN 10% OF TOTAL MAIN LEVEL BLDG. AREA
B OCCUPANCY IS ACCESSORY TO A-3 OCCUPANCY

OCCP. SEPARATION (IBC Sec.508.3)
NO SEPARATION REQUIRED - NON-SEPARATED USE (IBC Table 508.4)

CORRIDOR FIRE-RESISTANCE (IBC Sec 1018)
(IBC Table 1018.1)

REQUIRED FIRE-RESISTANCE RATING (HOURS)
FOR OCCUPANCY TYPE A-3 AND B: 0 HOURS

"BUILDING IS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM"

INCIDENTAL USE SEPARATION (IBC Sec.602)

NONE REQUIRED - BUILDING IS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM

MIN. EGRESS REQ. (IBC Table 1015.1)
(IBC Sec.1021)

SEE EXIT DIAGRAM, SHEET A0.1 AND A0.2, FOR SPECIFIC INFORMATION

BUILDING 3 EXITS REQUIRED, 3 EXITS ARE PROVIDED

MIN. EXIT WIDTH (IBC TABLE 1005.1, P205)

SEE EXIT DIAGRAM, SHEET A0.1 AND A0.2, FOR SPECIFIC INFORMATION

LOWER LEVEL: 75 OCCS. X 0.2" = 15" REQ'D, 48" PROVIDED
AT STAIRWAY: 75 OCCS. X 0.3" = 23" REQ'D, 48" PROVIDED

MAIN LEVEL: 535 OCCS. X 0.2" = 107" REQ'D.

CONSTRUCTION TYPES (IBC Sec.602)
R III DINIC TYPE V-R

FIRE RESISTANCE-BLDG (IBC Table 601)
BUILDING = 0 HRS.

FIRE RESISTANCE-CORRIDORS (IBC Table 1018.1)
OCCUPANCY A AND B W/ SPRINKLER SYSTEM = 0 HRS.

FIRE RESISTANCE-EXI. WALLS (Table 602)
FIRE SEPARATION DISTANCE IS GREATER THAN 10'. SO 0 HRS. RATING IS REQUIRED

ALL CRAWL F AREAS (IBC Table 503)

USE MOST RESTRICTIVE TYPE TYPES A-3 & B

TYPE A-3 IS MOST RESTRICTIVE
TABULAR ALLOWED=8000 SOFTFLR. @ 1 STORY ABOVE GRADE

MAIN LEVEL, 1 STORY ABOVE GRADE,
GROSS FLOOR AREA = 11,855 SF (IBC Table 503)

HEIGHT INCREASE (IBC Sec. 504)
BUILDING HEIGHT IS LESS THAN 40' SO HEIGHT INCREASE CALCULATIONS ARE NOT NECESSARY

AREA INCREASE (IBC Sec.508.3)
INCREASE FOR SPRINKLER SYSTEM: I_s = 3
INCREASE FOR FRONTAGE: NOT REQ'D

PERMITTED INCREASE 6000 X 3 = 18,000 SF
MAIN LEVEL GROSS FLOOR AREA 11,855 SF

BUILDING IS WITHIN PERMITTED INCREASE

MIN. PLUMBING FIXTR. (IBC Table 2902.1, p211)

TOTAL BUILDING OCCUPANT LOAD = 605 605/2 = 303 PER SEX

303/75 = 4 TOILETS REQUIRED FOR WOMEN
303/150 = 2 TOILETS REQUIRED FOR MEN
303/200 = 2 LAVATORIES PER ROOM REQUIRED
SERVICE SINK: 1 REQUIRED

TOTAL PLUMBING FIXTURES REQUIRED:

4 TOILETS ARE REQUIRED FOR WOMEN
3 TOILETS ARE PROVIDED

2 TOILETS ARE REQUIRED FOR MEN
5 TOILETS ARE PROVIDED

2 LAVATORIES ARE PROVIDED IN EACH RESTROOM

DRINKING FOUNTAINS
1 DRINKING FOUNTAIN IS PROVIDED

FIRE ALARM AND DETECTION (IBC Sec. 907)
TYPE A-3 NO MANUAL ALARM SYSTEM REQUIRED
TYPE B NO MANUAL ALARM SYSTEM REQUIRED

SPRINKLER (IBC Sec. 903.2.1.3)
THE BUILDING IS FULLY-EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM

Peace Lutheran Church

8600 E. Bush Lake Rd. Bloomington, MN 55438

Project Status

PROGRESS SET
NOT FOR CONSTRUCTION
June 25 2016

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota

SEAL

DATE Issue Date

PROJ. NO. 1511.00

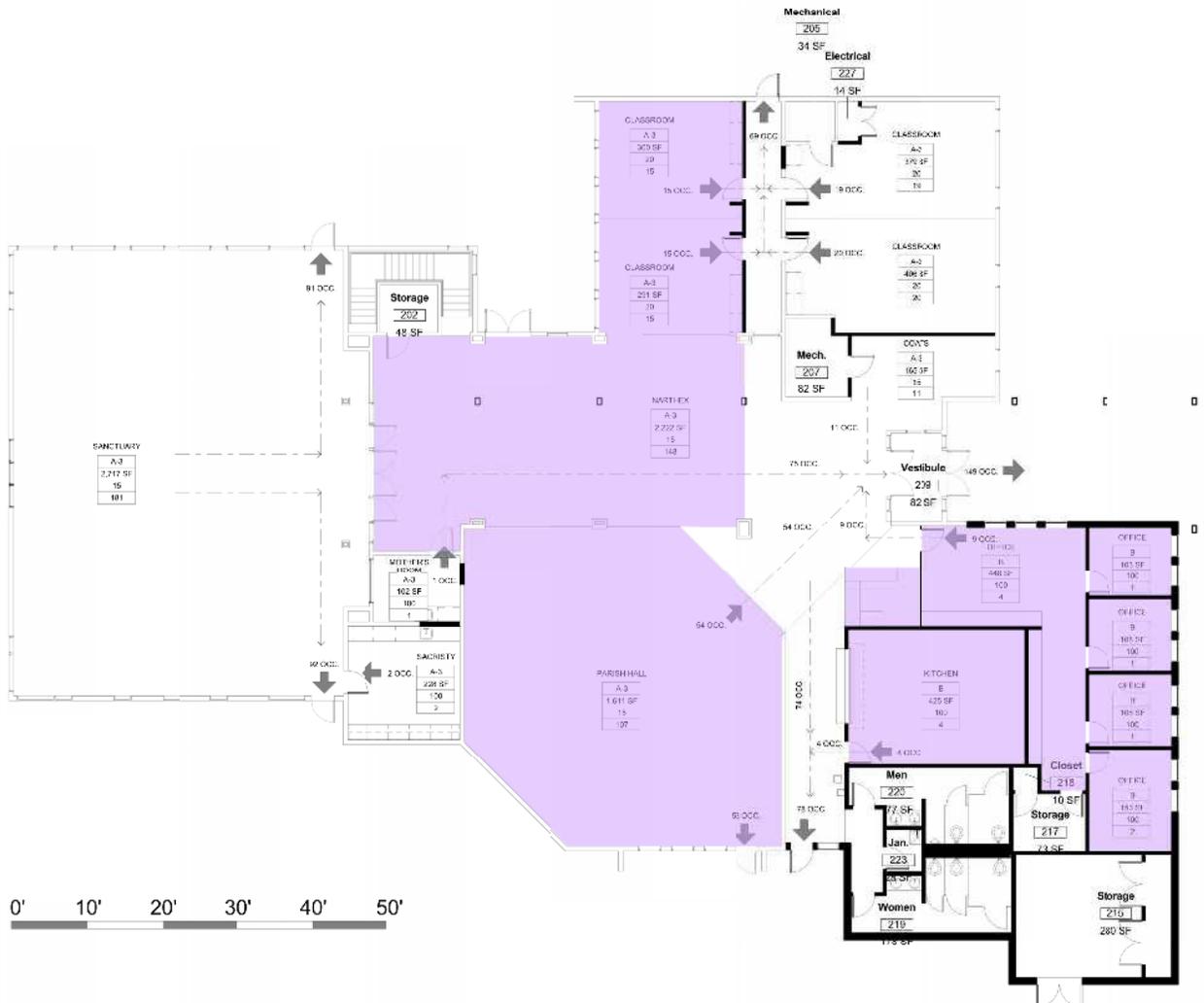
Code Review

TITLE

A0.1

SHEET NO.

Code Review
1/2" = 1'-0"



0' 10' 20' 30' 40' 50'

① Main Level Code Plan
1/8" = 1'-0"

Scenario 3
Visitation or Wedding - Non-Ceremony Space
07 29 16



Code Plan Key
1" = 20'-0"

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

XXXXXX Registration No.
SEAL

DATE Issue Date

PROJ. NO. 1511.00

Code Plan

TITLE

SHEET NO. A0.2