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3/18/15

PROJECT NO.
 13026
 PROJECT NAME
**MAINE MUSLIM
 COMMUNITY CENTER**

REVISONS
 1 9/22/15
 2 9/24/15
 3 10/14/15
 4 10/14/15

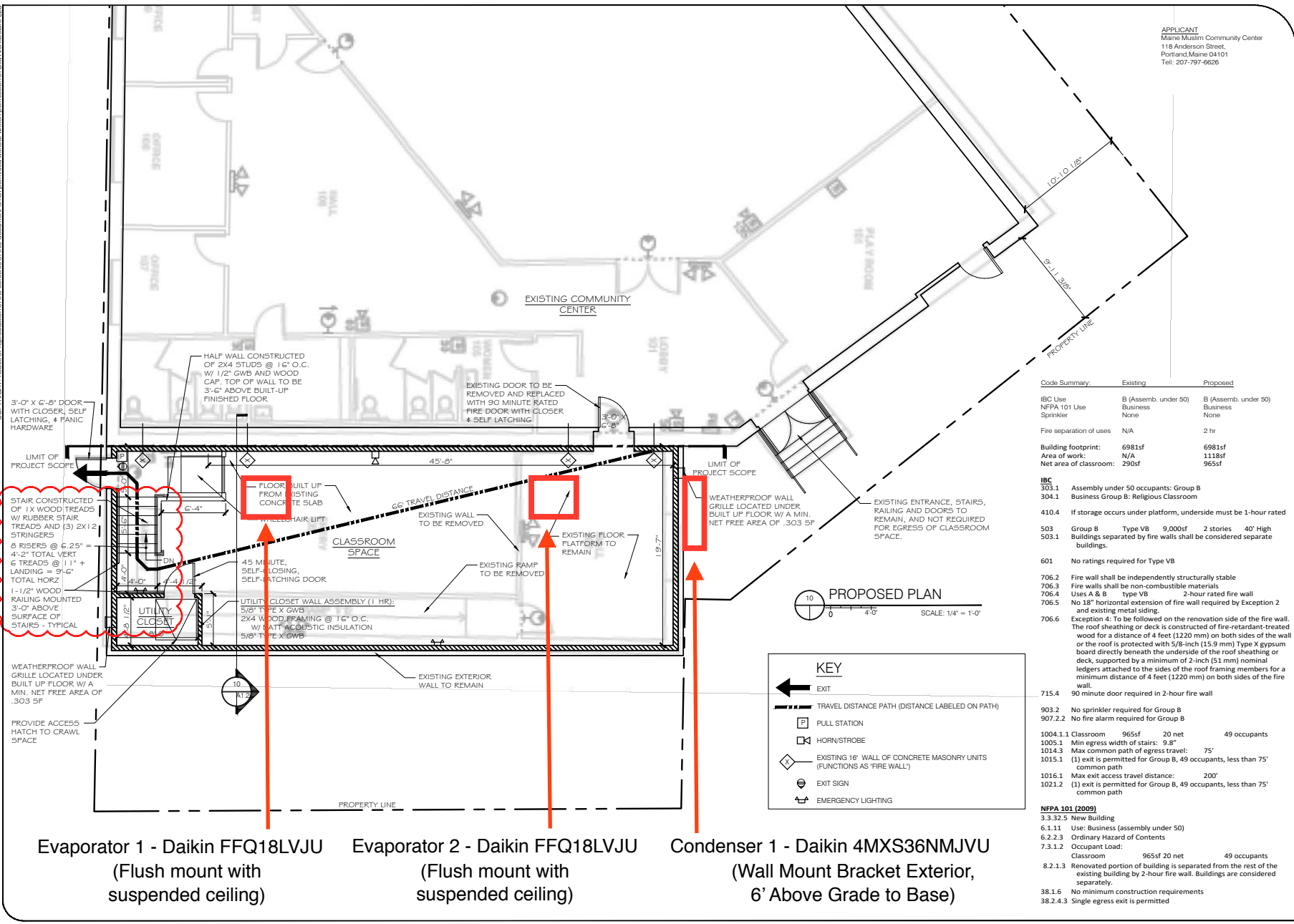
PERMIT DRAWINGS

DRAWN BY
 EAC
 SHEET TITLE
CLASSROOM PLAN

ISSUE DATE
 7/13/15
 SHEET SCALE
 1/4" = 1'-0"

A

1.1



Code Summary:	Existing	Proposed
IBC Use	B (Assemb. under 50)	B (Assemb. under 50)
NFPA 101 Use	Business	Business
Sprinkler	None	None
Fire separation of uses	N/A	2 hr
Building footprint:	6981sf	6981sf
Area of work:	N/A	1118sf
Net area of classroom:	290sf	965sf

- IBC**
- 303.1 Assembly under 50 occupants: Group B
 - 304.1 Business Group B: Religious Classroom
- 410.4 If storage occurs under platform, underside must be 1-hour rated
- 503 Group B Type VB 9,000sf 2 stories 40' High
- 503.1 Buildings separated by fire walls shall be considered separate buildings.
- 601 No ratings required for Type VB
- 706.2 Fire wall shall be independently structurally stable
- 706.3 Fire walls shall be non-combustible materials
- 706.4 Uses A & B type VB 2-hour rated fire wall
- 706.5 No 18" horizontal extension of fire wall required by Exception 2 and existing metal siding.
- 706.6 Exception 4: To be followed on the renovation side of the fire wall. The roof sheathing or deck is constructed of fire-retardant-treated wood for a distance of 4 feet (1220 mm) on both sides of the wall or the roof is protected with 5/8-inch (15.9 mm) Type X gypsum board directly beneath the underside of the roof sheathing or deck, supported by a minimum of 2-inch (51 mm) nominal ledgers attached to the sides of the roof framing members for a minimum distance of 4 feet (1220 mm) on both sides of the fire wall.
- 715.4 90 minute door required in 2-hour fire wall
- 903.2 No sprinkler required for Group B
- 907.2.2 No fire alarm required for Group B
- 1004.1.1 Classroom 965sf 20 net 49 occupants
- 1005.1 Min egress width of stairs: 9.8'
- 1014.3 Max common path of egress travel: 75'
- 1015.1 (1) exit is permitted for Group B, 49 occupants, less than 75' common path
- 1016.1 Max exit access travel distance: 200'
- 1021.2 (1) exit is permitted for Group B, 49 occupants, less than 75' common path
- NFPA 101 (2009)**
- 3.3.32.5 New Building
 - 6.1.11 Use: Business (assembly under 50)
 - 6.2.2.3 Ordinary Hazard of Contents
 - 7.3.1.2 Occupant Load:
 Classroom 965sf 20 net 49 occupants
 - 8.2.1.3 Renovated portion of building is separated from the rest of the existing building by 2-hour fire wall. Buildings are considered separately.
 - 38.1.6 No minimum construction requirements
 - 38.2.4.3 Single egress exit is permitted

Evaporator 1 - Daikin FFQ18LVJU
 (Flush mount with suspended ceiling)

Evaporator 2 - Daikin FFQ18LVJU
 (Flush mount with suspended ceiling)

Condenser 1 - Daikin 4MXS36NMJVU
 (Wall Mount Bracket Exterior, 6' Above Grade to Base)