

**BUILDING AND FIRE CODE DATA AND
DETAIL EGRESS REQUIREMENTS AND FIRE SEPERATIONS**

APPLICABLE CODES
NFPA 101, LIFE SAFETY CODE, 2003 EDITION,
IFC, 2003 EDITION,
IFC, 2003 EDITION,
IFC, 2004 EDITION,
IFC, 2004 EDITION,
ADA, ADAAG, 1991.

BUILDING OCCUPANCY (NFPA 101)
SYNAGOGUE, NEW ASSEMBLY,
RESIDENCE, NEW SINGLE FAMILY DWELLING.

BUILDING OCCUPANCY (IBC & IBC 2003)

BUILDING IS MIXED USE.
SYNAGOGUE (GROUND FLOOR), ASSEMBLY A, Y, Z, 3 (PAR. 303.1)
SYNAGOGUE (SECOND FLOOR), BUSINESS B.

CAPACITY OF MEANS OF EGRESS (NFPA 101, PAR. 7.2)

BASED UPON DESIGN OCCUPANT LOAD

SYNAGOGUE DESIGN OCCUPANT LOAD:

ASSEMBLY SPACE: 27 (NFPA 101, TABLE 7.3.1.2),
MULTIPURPOSE ROOM: 38 (NFPA 101, TABLE 7.3.1.2)
ALL OTHER GROUND FLOOR: 11

GROUND FLOOR TOTAL: 76

SECOND FLOOR TOTAL: 17

REQUIRED CAPACITY FOR SECOND FLOOR HALLWAY: 60 INCHES

REQUIRED CAPACITY FOR SECOND FLOOR HALLWAY: 17 X 0.2 INCHES = 4 INCHES OR 38 INCHES MIN. BY CODE

REQUIRED CAPACITY OF SECOND FLOOR EXIT STAIRWAY: 17 X 0.3 INCHES = 8 INCHES OR 38 INCHES MIN. BY CODE

RESIDENCE DESIGN OCCUPANT LOAD: NONE REQUIRED.

REQUIRED NUMBER OF MEANS OF ESCAPE (NFPA 101)

SYNAGOGUE (NEW ASSEMBLY):

SECOND FLOOR: TWO MIN. (PAR. 302.4.2(2)(C))
PROVIDED: ONE STAIRWAY EXITING DIRECTLY TO OUTSIDE, WITH SELF-CLOSING DOORS TO CORRIDORS,
ASSEMBLY SPACE: TWO MIN.

REQUIRED AND PROVIDED NUMBER OF MEANS OF EGRESS (IBC 2003)

SYNAGOGUE:

REQUIRED AT SECOND FLOOR: ONE MIN. (TABLE 1014.1)

REQUIRED AT ASSEMBLY SPACE: TWO MIN.

PROVIDED: THREE.

REQUIRED SLEEPING AND LIVING ROOMS (IRC 2003):

REQUIRED PRIMARY: ONE MIN. (BUILDING IS SPRINKLED)

PROVIDED: PRIMARY: ONE (DOOR)

REQUIRED SECONDARY: NONE REQUIRED (BUILDING IS SPRINKLED).

FIRE SEPERATION RATINGS:

BETWEEN SYNAGOGUE AND RESIDENCE: 1 HOUR

AROUND SYNAGOGUE STAIRWAY: 1 HOUR

AROUND MECHANICAL ROOMS AND MECHANICAL CLOSETS: 1 HOUR

UNDER STAIRS: 1 HOUR

CONSTRUCTION TYPE:

SYNAGOGUE: 9B

RESIDENCE: 9B.

PROPOSED VARIATIONS FROM PLAN APPROVED BY THE PORTLAND PLANNING DEPARTMENT ON
JULY 26, 2005 FOR ISSUANCE OF A CONDITIONAL USE PERMIT.

1. BUILDING FOOTPRINT WILL REMAIN THE SAME
2. BASEMENT HAS BEEN ELIMINATED
3. REVISION OF FINISH FIRST FLOOR ELEVATION AS SHOWN ON CURRENT PLAN
4. REVISION OF FINISH FIRST FLOOR ELEVATION AS SHOWN ON SITE PLAN FROM 86.0 TO 88.5
5. REVISION OF NORTH EXTERIOR WALL OF SYNAGOGUE TO INCLUDE GLASS BLOCK WINDOWS IN LIEU OF GLAZING.
6. ELIMINATION OF THE MEN'S AND WOMEN'S ANTE-ROOMS IN THE SYNAGOGUE FIRST FLOOR
7. INCREASE IN SIZE OF THE FIRST FLOOR SYNAGOGUE STORAGE ROOM
8. ADDITION OF RESIDENCE SMTH 1 IN LIEU OF TWO CLOSETS ADJACENT TO SMTH 2

**PERMIT SET ONLY -
FOR REVIEW
BY AUTHORITIES HAVING
JURISDICTION**

SYNAGOGUE			
WINDOVS IN REAR DOOR OPENING AREA	NUMBER OF WINDOVS	TOTAL AREA(S.F.)	
A-1	11.5 SF	0	
A-2	22.9 SF	103.5	
A-3	34.3 SF	49	
A-4	45.7 SF	0	
A-5	57.1 SF	0	
B-1	68.5 SF	193	
B-2	79.9 SF	119	
B-3	91.3 SF	29	
C-1	102.7 SF	35	
D	114.1 SF	78	
E-1	125.5 SF	0	
TOTAL WINDOW & GLAZED DOOR AREA		463.3	
TOTAL WALL AREA		3233	
WINDOVS/AREAS PERCENT OF TOTAL WALL AREA		13%	

RESIDENCE			
WINDOVS IN REAR DOOR OPENING AREA	NUMBER OF WINDOVS	TOTAL AREA(S.F.)	
A-1	11.5 SF	7	91
A-2	22.9 SF	69	69
A-3	34.3 SF	1	34
A-4	45.7 SF	0	0
A-5	57.1 SF	1	57
B-1	68.5 SF	10	685
B-2	79.9 SF	10	194
B-3	91.3 SF	2	68
C-1	102.7 SF	4	28
E-1	114.1 SF	3	24
TOTAL WINDOW & GLAZED DOOR AREA		24	656
TOTAL WALL AREA		4594	
WINDOVS/AREAS PERCENT OF TOTAL WALL AREA		14%	

BUILDING DATA - RESIDENCE

FIRST FLOOR AREA: 3290 S.F.
SECOND FLOOR AREA: 2288 S.F.
THIRD FLOOR AREA: 1266 S.F.
TOTAL FLOOR AREA: 6844 S.F.
TOTAL FLOOR AREA: 6360 S.F.
BUILDING DATA: SYNAGOGUE

FIRST FLOOR AREA: 3290 S.F.
SECOND FLOOR AREA: 2288 S.F.
THIRD FLOOR AREA: 1266 S.F.
TOTAL FLOOR AREA: 6844 S.F.
TOTAL FLOOR AREA: 6360 S.F.
BUILDING DATA: SYNAGOGUE

GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, AND REPORT ANY DISCREPANCY (ES) TO THE ARCHITECT.
2. THE CONTRACTOR SHALL PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCY (ES) HAS (HAVE) BEEN RESOLVED AS APPROVED BY THE ARCHITECT.
3. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS APPROVED BY AND AT NO ADDITIONAL COST TO THE ARCHITECT OR THE OWNER.
4. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS FROM THE SITE AND LEAVE SITE IN BROOM CLEAN CONDITION AT COMPLETION OF WORK.
5. THE CONTRACTOR SHALL OBEY ALL LOCAL AND STATE BUILDING AND FIRE CODES AND FEDERAL, ADA, GUIDELINES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS WHICH ARE REQUIRED FOR THE COMPLETION OF THE WORK.
7. ALL DIMENSION LINES AT NEW CONSTRUCTION ARE MEASURED FROM FACE OF NEW CONSTRUCTION UNLESS NOTED OTHERWISE. ALL DIMENSIONS SHOWN FROM EXISTING CONSTRUCTION ARE FROM FACE OF EXISTING FINISH MATERIAL.
8. ALL EQUIPMENT IN PLACE CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
9. INSTALL ALL EQUIPMENT AND BUILDING ELEMENTS ACCORDING TO MANUFACTURERS WRITTEN RECOMMENDATIONS.

WINDOW SCHEDULE - RESIDENCE AND SYNAGOGUE

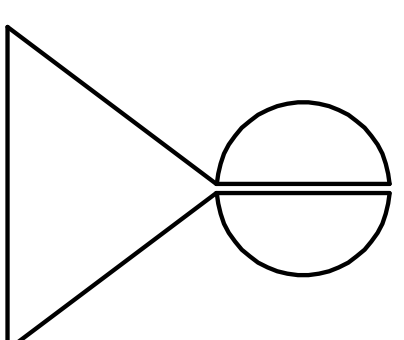
SYMBOL	TYPE	ROUGH OPENING	U-VALUE	MATERIAL	MANUFACTURER & MODEL	MODEL NUMBER
A-1	DOUBLE HUNG	32" x 62"	0.30	PVC	PARADIGM VERSATC	DK43282
A-2	DOUBLE HUNG	63-1/2" x 62"	0.30	PVC	PARADIGM VERSATC	DK43252-2
A-3	DOUBLE HUNG	97" x 62"	0.30	PVC	PARADIGM VERSATC	DK43252-3
A-4 - NOT USED						
A-5	DOUBLE HUNG	156" x 62"	0.30	PVC	PARADIGM VERSATC	DK43252-5
B-1	DOUBLE HUNG	32" x 44"	0.30	PVC	PARADIGM VERSATC	DK43244
B-2	DOUBLE HUNG	63-1/2" x 44"	0.30	PVC	PARADIGM VERSATC	DK43244-2
B-3	DOUBLE HUNG	97" x 44"	0.30	PVC	PARADIGM VERSATC	DK43244-3
C-1	DOUBLE HUNG	28" x 38"	0.30	PVC	PARADIGM VERSATC	DK43238
D	GLASS BLOCK	SEE FIRST FLOOR PLAN & NORTH ELEV.	0.51	GLASS BLOCK	PITTSBURGH CONNING DECORA PATTERN, 12" x 12" x 4"	NA
E-1	MANUALLY OPERATED SPLITLIGHT	22-1/2" x 46-1/2"	0.24	ALUMINUM FRAME	WASCO	ET2246
F	FIXED GLAZING	12" x 68"	NA	TEMPERED GLAZING	NA	NA

DOOR SCHEDULE - RESIDENCE

SYMBOL	TYPE	SIZE	PROFILE	MATERIAL	FIRE RATING	HARDWARE	ROOM TYPE	COMMENTS
1	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	STYLE & RAIL	H.M. INSULATED	1 HR.	KEYED ENTRY LOCKSET	MAIN ENTRY	
2	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, H.C.	NONE	PASS THROUGH KNOB	HALLWAY	
3	SIDE HINGED SWINGING	(2) 36" x 80" x 1-3/4"	FLUSH	WOOD, H.C.	NONE	PASS THROUGH KNOB	DINING, PLAYROOM	
4	SIDE HINGED SWINGING	24" x 80" x 1-1/2"	FLUSH	WOOD, S.C.	NONE	LOCKSET	BATHROOM	
4A	SIDE HINGED SWINGING	24" x 80" x 1-1/2"	FLUSH	WOOD, S.C.	30 MIN.	KEYED LOCKSET	UTILITY CLOSET	
5	SINGLE BI-FOLD	24" x 80" x 1-1/2"	FLUSH	WOOD, H.C.	NONE	HAND PULL	CLOSET	
6	DOUBLE BI-FOLD	(2) 24" x 80" x 1-1/2"	FLUSH	WOOD, H.C.	NONE	HAND PULL	CLOSET	
7	DOUBLE BI-FOLD	(2) 24" x 80" x 1-1/2"	FLUSH	WOOD, H.C.	NONE	HAND PULL	UTILITY CLOSET	
8	FRENCH PATIO	(2) 36" x 80" x 1-3/4"	STYLE & RAIL	H.M. INSULATED WITH LITES	NONE	KEYED LOCKSET	COURTYARD ENTRY	
9	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	STYLE & RAIL	H.M. INSULATED: PHASE 1 H.M. MINERAL CORE: PHASE 2	1 HR. (PHASE 2)	KEYED LOCKSET	RESIDENCE/SYNAGOGUE CONNECTION	H.M. INSULATED AT COMPLETION OF PHASE 1, H.M. MINERAL CORE AT COMPLETION OF PHASE 2
10	NOT USED							
11	SLIDING	72" x 80" x 1-1/2"	STYLE & RAIL	WOOD, H.C.	NONE	HAND PULL	CLOSET	
12	SIDE HINGED SWINGING	30" x 80" x 1-1/2"	STYLE & RAIL	WOOD, S.C.	NONE	LOCKSET	BATHROOM/LAUNDRY	
13	SIDE HINGED SWINGING	36" x 80" x 1-1/2"	FLUSH	WOOD, H.C.	NONE	LOCKSET	BEDROOM	
14	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	H.M. INSULATED	NONE	KEYED LOCKSET	STORAGE	

DOOR SCHEDULE - SYNAGOGUE

SYMBOL	TYPE	SIZE	PROFILE	MATERIAL	FIRE RATING	HARDWARE	ROOM TYPE	MANUFACTURER
15	COMMERCIAL ENTRY	(2) 37-5/8" x 82"	FLUSH	ALUM. GLAZED WOOD, LOW-E GLAZING	NONE	PUSH PAD POWER ACTIVATED DOOR, KEYED ENTRY LOCKSET, LEVER HANDLES, PANG BARS	MAIN ENTRY	
16	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, S.C.	NONE	LOCKSET, WALL MTD DOORSTOPS, CLOSERS, LEVER HANDLES	CONFERENCE	
17	SIDE HINGED SWINGING	(2) 36" x 80" x 1-3/4"	FLUSH	WOOD, S.C. WITH TOP LITES	NONE	KEYED LOCKSET, WALL MTD DOORSTOPS, LEVER HANDLES	CHAPEL ENTRY	
18	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	HOLLOW METAL, INSULATED	NONE	PANG BAR, CLOSER, EXT. OMT	CHAPEL EXT.	
19	SIDE HINGED SWINGING	(2) 36" x 80" x 1-3/4"	FLUSH	WOOD, S.C. WITH TOP LITES	NONE	KEYED LOCKSET, WALL MTD DOORSTOPS, LEVER HANDLES	MULTIPURPOSE ROOM	
20	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	HOLLOW METAL, TOP LITE	NONE	CLOSER, PANG BAR EXTERIOR, KEYED LOCKSET	HALL, STAIRWAY EXT.	
20A	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	HOLLOW METAL, INSULATED WITH TOP LITE	NONE	CLOSER, PANG BAR INTERIOR	STAIRWAY EXT.	
21	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, S.C. WITH TEMPERED TOP LITE	1 HOUR	PASS THROUGH LOCK SET, LEVER HANDLES, PANG CONNECTION	STAIRWAY/CORRIDOR CONNECTION	
22	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, S.C.	NONE	LOCKSET, LEVER HANDLE	CONFERENCE	
23	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, S.C.	NONE	LOCKSET, LEVER HANDLE	MEN'S ROOM	
24	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, S.C. WITH TOP LITE	NONE	LOCKSET, LEVER HANDLE	WOMEN'S ROOM	
25	SIDE HINGED SWINGING	36" x 80" x 1-3/4"	FLUSH	WOOD, S.C. WITH TOP LITE	NONE	LOCKSET, LEVER HANDLE	STORAGE & PASSOVER KITCHEN	
26	ATTIC ACCESS PANEL	24" x 36"	FLUSH	HOLLOW METAL, INSULATED	1 HOUR	TRIMLESS FRAME, PIANO HINGE, SPRING CLOSER	SECOND FLOOR OFFICES	
27	WALL ACCESS PANEL	48" x 48"	FLUSH	HOLLOW METAL, INSULATED	1 HOUR	TRIMLESS FRAME, PIANO HINGE, MORTISE-CYLINDER LOCK	RESIDENCE STAIR PLATFORM 2	



**RICHARD
ABRAHAMS
ASSOCIATES
ARCHITECTS**

1000 BOSTON STREET
SUITE 200
PORTLAND, MAINE 04108
PHONE: 603-879-8834
FAX: 603-879-8834
EMAIL: INFO@RICHARDABRAMS.COM

THIS DRAWING, SPECIFICATIONS AND NOTATIONS
WAS PREPARED BY THE ARCHITECT OR AN
REGISTERED ARCHITECTURAL ASSOCIATE
OR REGISTERED PROFESSIONAL ENGINEER
OR REGISTERED PROFESSIONAL LANDSCAPE
ARCHITECT OR REGISTERED PROFESSIONAL
INTERIOR DESIGNER OR REGISTERED
PROFESSIONAL CONTRACTOR AT THE
FIRM'S OFFICE.

NO.	REVISION DESCRIPTION	DATE

**PROPOSED NEW RESIDENCE
AND SYNAGOGUE**

RABBI MOSHE AND CHANA WILANSKY
POMEROY STREET
PORTLAND, MAINE

OWNER
CHASAD LUBAVITCH
OF MAINE, INC.
101 ORANGE STREET
PORTLAND, MAINE 04102

DATE	6-28-07
SCALE	1/4" = 1'-0"
DRAWN BY	RVA
JOB NO.	0702
DESIGN STAGE	CONSTRUCTION DOCUMENTS
SHEET TITLE	SCHEDULES AND CODES