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comments Submitted in 4. I 2/15/11 City of Portland

Development Review Application Planning Division Transmittal form

A	nnl	icat	lion	Num	ber:
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2012-556

Application Date:

8/10/2012 12:00:00

AM

CBL: 021-E-019-001

Project Name:

267 Congress St.; Conditional Use and Site Plan

8/15/12

Address:

Project

Conditional Use for Chaim Synagogue Single Story Addition &

Description:

Exterior stair addition

Zoning:

Other Reviews Required: **Review Type:**

Distribution List:

Planner	Nell	Parking	John Peverada
✓ Zoning	Marge Schmuckal	Design Review	Alex Jaegerman
Traffic Engineer	Tom Errico	Corporation Counsel	Danielle West-Chuhta
Civil Engineer	David Senus	Sanitary Sewer	John Emerson
Fire Department	Chris Pirone	☐ Inspections	Tammy Munson
City Arborist	Jeff Tarling	Historic Preservation	Deb Andrews
Engineering	David Margolis-Pineo	DRC Coordinator	Phil DiPierro
		Outside Agency	

Comments needed by (7 days later): Wednesday, August 22, 2012

nments needed by (7 days later): Wednesday, August 22, 2012

Zonng (eg: No closer Than 5 br.

The Western properly line (side Setback)

Rear Setback; No closer Tham 20'AS

Shown

MEMORANDUM

To:

FILE

From:

Subject: Application ID: 2012-556

Date:

2/15/2013

Comments Submitted by: Marge Schmuckal/Zoning on 2/15/2013

Places of Assembly are allowed I under conditional uses to the Planning Board in the R-6 zone in which the Synagogue is located. The lot is on Congress Street which is considered to be a collector or arterial road. My mathematics for the size of the place of assembly including all three floors is 3,696 square feet. The maximum floor area for a medium size place of assembly is 4,500 square feet. This is considered to be a medium sized place of assembly. The minimum lot size for a medium place of assembly in the R-6 Zone is 15,000 square feet. This medium sized place of assembly is meeting all the requirements of a medium sized place of assembly in the R-6 zone.

Section 14-389 of the Nonconformity section of the Land Use Zoning Ordinance states that if a stucture is nonconforming as to the requirements for off-street parking (which I believe this is), it shall not be enlarged or altered to created additional dwelling units, OR SEATS AS IN THE CASE OF PLACES OF PUBLIC ASSEMBLY.

It is noted that there are no additional seats being proposed for the place of assembly. The plans do show approximately 337 new square footage in a meeting area, but no new seats. Therefore, I have concluded that the additions that are being proposed do not trigger a requirement to show any additional parking spaces.

Marge Schmuckal Zoning Administrator City of Portland Code of Ordinances Sec. 14-387 Land Use Chapter 14 Rev.9-15-11

Sec. 14-388. Reserved.

 $\star Editor's\ Note-$ Per Council Order 125-09/10 passed on January 4, 2010 Section 14-388 (Nonconformity as to the area of dwelling) was repealed in its entirety.

Sec. 14-389. Nonconformity as to off-street parking.

A building or structure which is nonconforming as to the requirements for off-street parking shall not be enlarged or altered to create additional dwelling units, or seats as in the case of places of public assembly, or floor area as in the case of industrial, business, manufacturing, institutional or recreational buildings, or accommodations as in the case of hotels, tourist homes and tourist courts, unless required off-street parking is provided for such addition or enlargement. (Code 1968, § 602.17.1)

Sec. 14-390. Nonconformity as to off-street loading.

A building which is nonconforming as to the requirements for off-street loading shall not be enlarged or added to, unless off-street loading is provided sufficient to satisfy the requirements of this article for both the addition or enlargement and the original building or structure. (Code 1968, § 602.17.J)

Sec. 14-391. Nonconformity as to number of dwelling units.

(a) <u>Purpose</u>. The purpose of this provision is to establish a process whereby certain dwellings which contain more dwelling units than the number permitted by the applicable provisions of the Land Use Code may be recognized as legal, nonconforming uses. This provision shall not apply to rooming units.

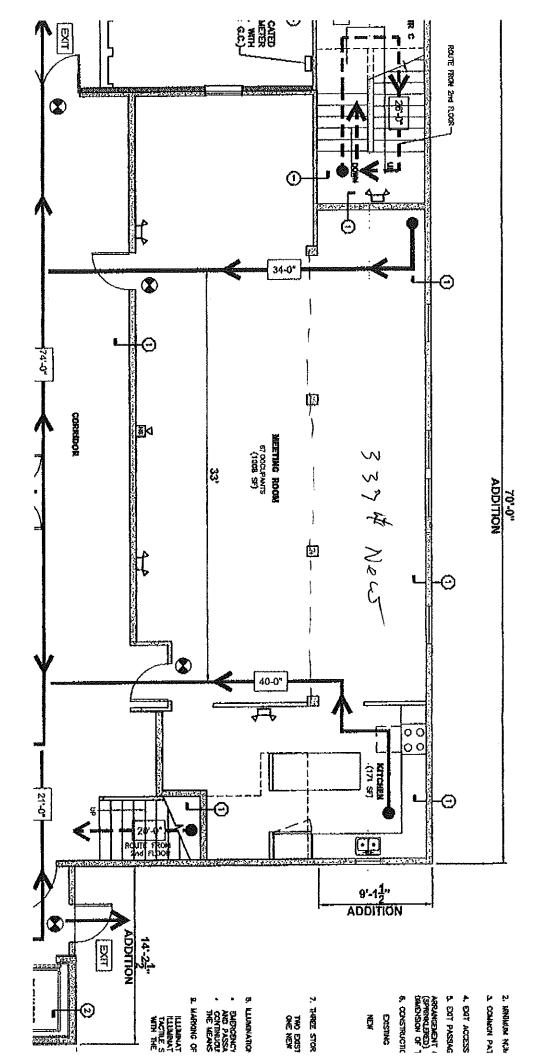
(b) Approval by Zoning Administrator.

(1) Application. Application for validation of such non-conforming dwelling units shall be on a form provided by the Division of Housing and Neighborhood Services, Inspection Services Office. The application fee will be \$300.00 for each dwelling unit which is the subject of the application, and will be accompanied by: (i) a plan, drawn to scale, which shows the location of the

P P Egg 3 <u>_</u> <u>_</u> 2000 0 -⊙ FIRST FLOOR LIFE SAFETY PLAN Θ 74.4 0 (AS 1801) LIMMITOSO (AS 1801) (V) **-** Θ 582 E E (17: ST 3696 th Assembly Red 1 ADDITION 9'-1<mark>-</mark>1' ADDITION ADDITION Θ THE STORY STATE - MANAGEMENT - AND PROCESS
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とうらいな Fixed Stats (# 525 H B'-13 ADDITION

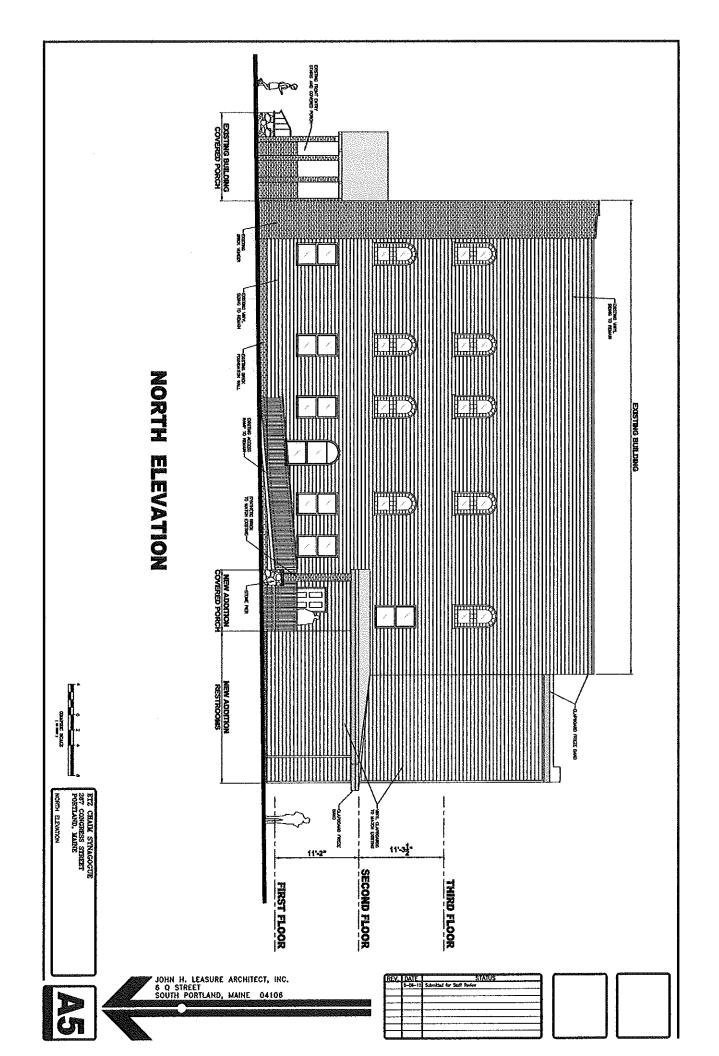
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MEMORANDUM

To:

FILE

From:

Subject: Application ID: 2012-556

Date:

2/1/2013

Comments Submitted by: Marge Schmuckal/Zoning on 2/1/2013

On 1/23/2013 I received revised plans for the synagogue. Those new plans revised the size of the additions especially the addition on the western side of the building. The plans show the addition to be 5.2' instead of the previous approximate 2 foot at the closest point to the existing property line. That revision allows me to us to approve the project without an appeal using 14-433. An appeal to the Zoning Board of Appeals is not required. So lam approving the 5.2 foot setback.

This project still needs to be approved under a Conditional Use Appeal to the Planning Board, and is now able to move forward to that end. It appears that all other R-6 Zoning requirements are being met.

Marge Schmuckal Zoning Administrator

Marge Schmuckal - 267 Congress Street - Synagogue

From: Marge Schmuckal

To: Helen Donaldson

Date: 1/28/2013 10:24 AM

Subject: 267 Congress Street - Synagogue

CC: Barbara Barhydt

Hi Nell,

At the end of last week I received an appeal application for a setback variance for 267 Congress Street. It appears that they reworked their project and lessened the size of the side addition. Now their side setbacks are 5.2' & 5.3' to the existing side property line. That doesn't require an appeal, Section 14-433 allows me to grant a setback of not less that 5'. So I will be putting together a new zoning memo to you reflecting that change. This still will need a conditional use appeal for the expansion of their Institutional use. Marge

Marge Schmuckal - 267 Congress Street

From:

Marge Schmuckal

To:

Helen Donaldson

Date:

10/10/2012 4:57 PM

Subject: 267 Congress Street

There is no module to input my zoning comments in One Solution, so here is an e-mail:

267 Congress Street - 021-E-019 2012-556 R-6 & B-2b Zones 10/10/2012

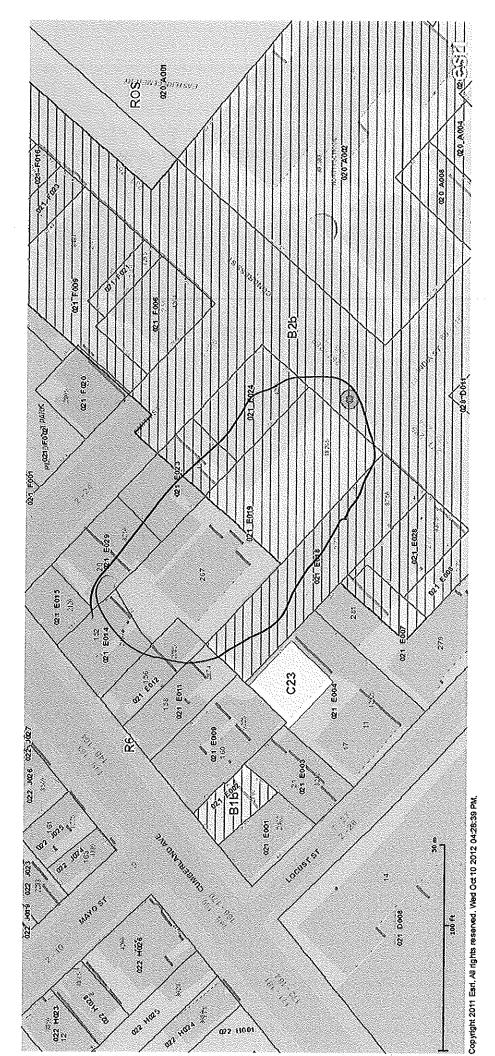
I have done my initial review on the additions to the ETZ Chiam Synagogue. The property is located in two separate zones. The front open land is located within the B-2b zone. The building at the rear of the property is located entirely in the R-6 Residential Zone. The R-6 zone requires conditional uses such as the synagogue to go before the Planning Board for any expansion of building and use.

At this time I am unable to complete a zoning assessment based on required information concerning the proposed property line relocation. Without documentation of the new property line, this project is not meeting the setback requirements of the R-6 zone.

The R-6 zone has a maximum building height of 45 feet. The proposed additions are under the maximum building height at about 38'.

I am awaiting further information to complete my review.

Marge Schmuckal Zoning Administrator



Written Assessment of Zoning

The property is located within both the City of Portland's Residential-6 (R-6) and the Business B-2 (B2B) zones. There is an existing synagogue, Congregation ETZ Chaim, on the property. This project is an expansion of the existing building on the property. Based on discussions with City staff, it is our understanding that a Conditional Use Permit is not required for the portion of the project that is located in the R-6 Zone.

The southern property boundary is being relocated to the face of the abutting building, to the east, so the proposed building addition will meet the building setback requirements of the zoning.

Current Parking and Traffic Description

July 1, 2012

Subject: Etz Chaim Synagogue - Current Parking

Etz Chaim Synagogue has a plan to meet current parking needs. Presently there are regular religious services on Monday afternoons and Saturday mornings only, consisting of between 10 and 20 congregants at a time. We have secured permission to use a parking lot adjacent to the synagogue after 4:00 in the afternoon on weekdays and on Saturday mornings. The space contains space for 26 cars, including 2 spaces with handicap access closest to the ramped entrance to the synagogue. That space is more than sufficient to meet our current needs. The only other time when parking is normally needed is for religious services during the three days in September when the Jewish High Holidays occur. Those days vary according to the Gregorian calendar. We have arranged to use the parking lot at the Cathedral of the Immaculate Conception for those days. It is located one block away. We also utilize available onstreet parking. We see no change whatsoever to our current automobile parking needs as a result of the renovations that are described in this application. We do plan to add a bicycle rack that will accommodate 6 bicycles.

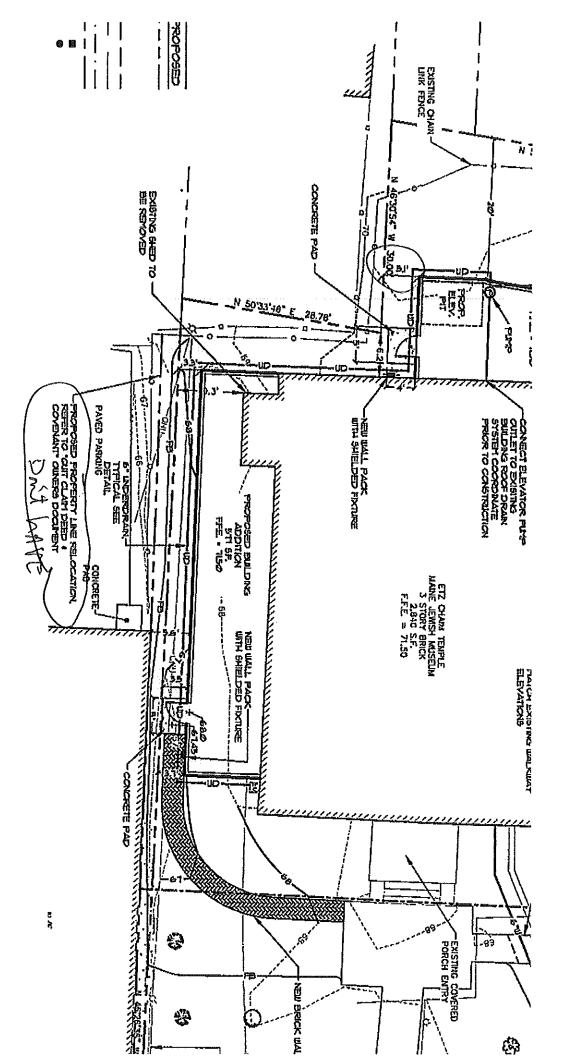
Subject: Description of Traffic at Etz Chaim Synagogue

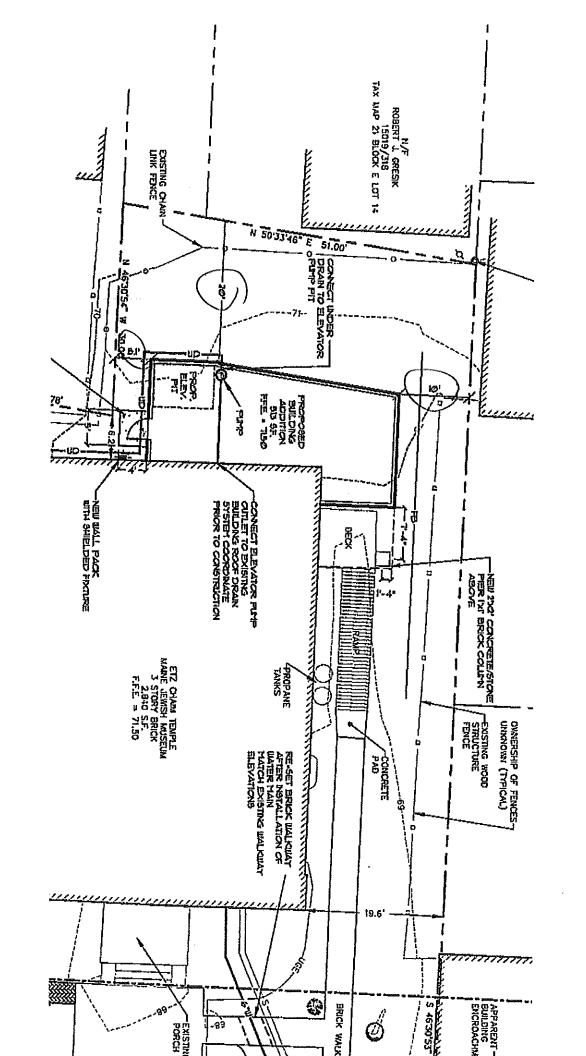
Etz Chaim Synagogue is located on Congress St where it meets Smith St., and directly opposite India St. Congress St. is a busy commuter road during the morning and evening worker commute. It is much quieter during non-commute times, and in the evening and on weekends. Smith St. is also a much quieter street, stretching between Cumberland Ave. and Congress St. only the length of 5 houses or lots. There is no access from the parking lot directly onto Congress St. All traffic enters and exits at Smith St.

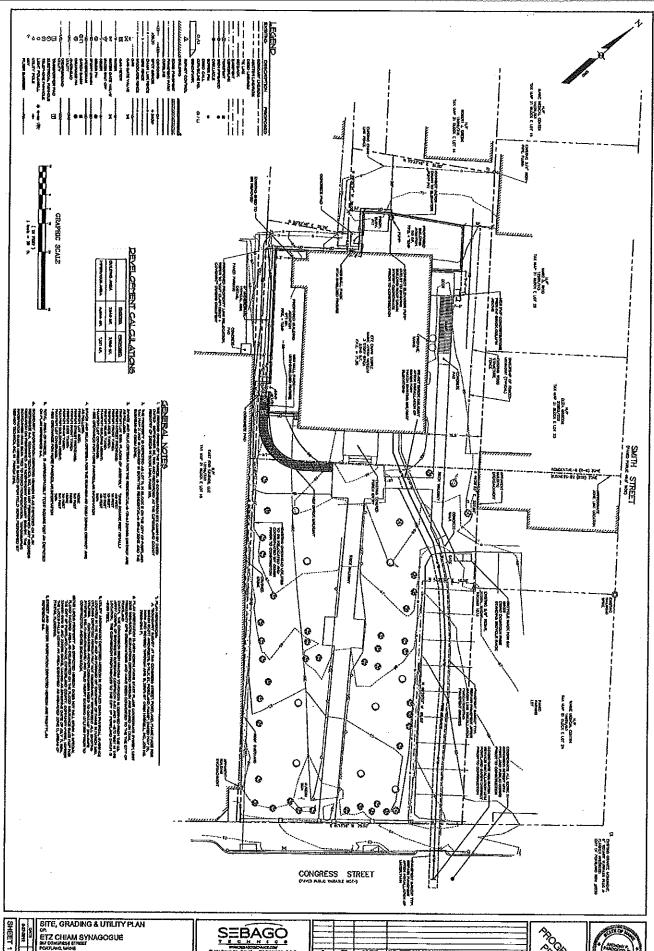
Existing/Proposed Easements

The property is not subject any existing easements. Based on the survey, there appears to be two areas where adjacent buildings encroach on the subject property. As part of this project, the applicant is negotiating with the eastern abutter to relocate this property line. This relocation will also provide the necessary setback distances for the proposed eastern building addition.

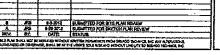
Congregation ETZ Chaim 11325





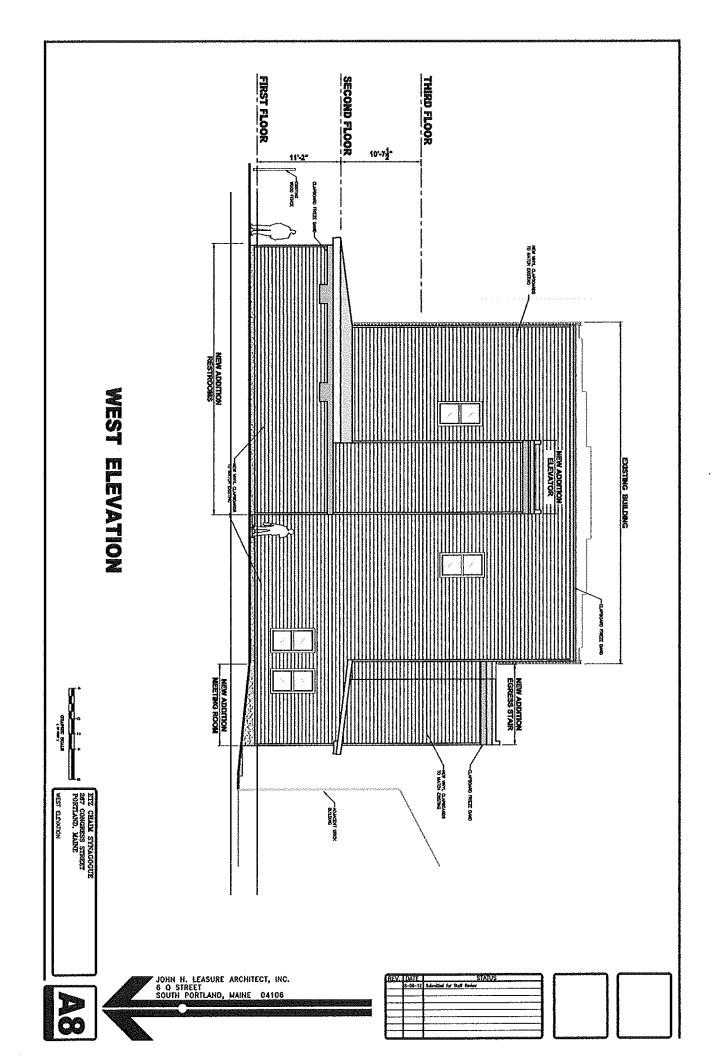


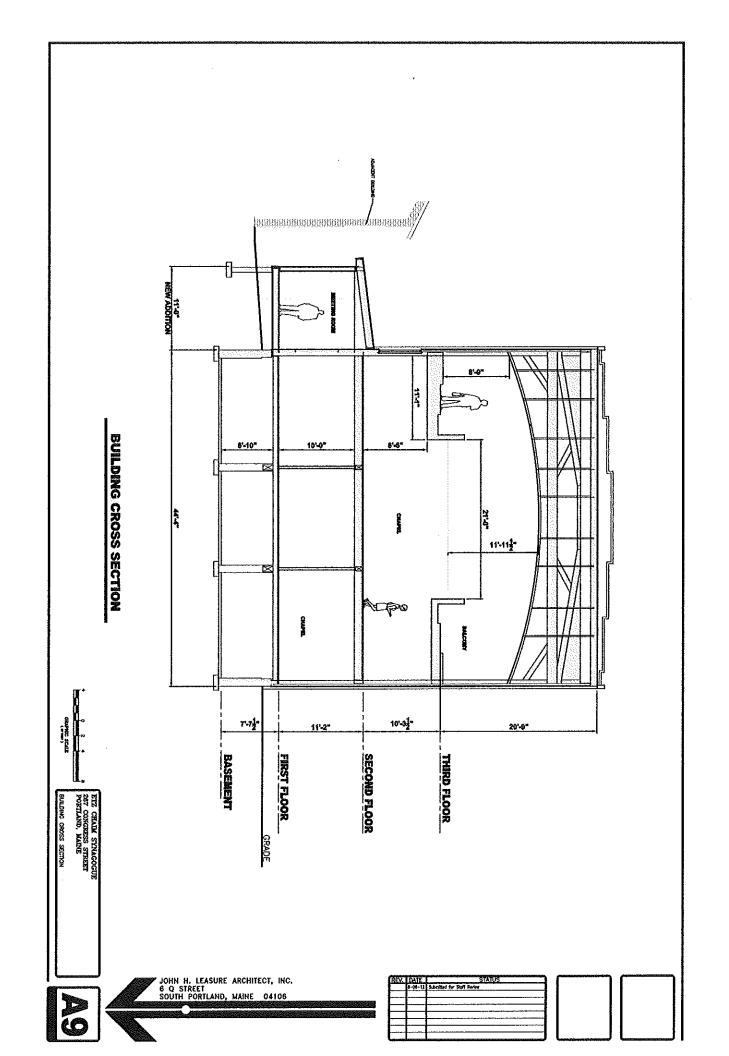


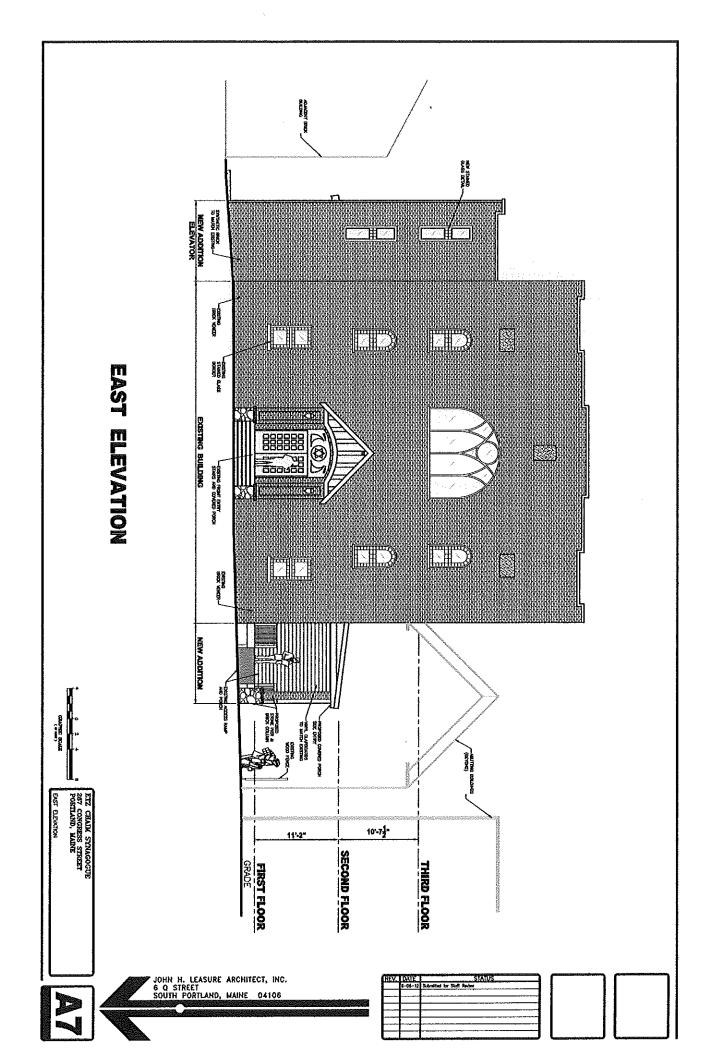




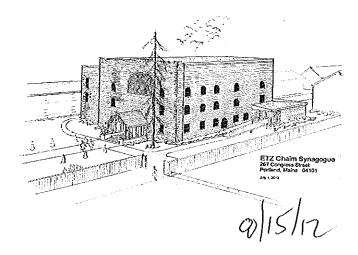








ETZ Chaim Synagogue 267 Congress Street Portland, ME 04101



Description of Proposed Project

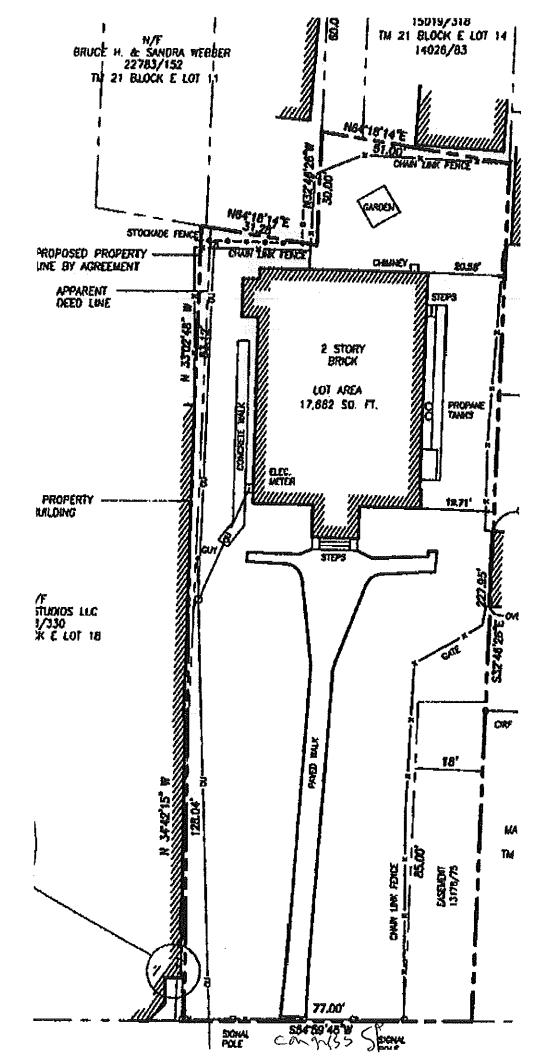
Existing building is a three story wood frame place of worship assembly space with chapel and meeting rooms. Although building is not in the historic district of Portland, the brick façade facing Congress Street and the fully landscaped front entry garden space gracefully complement the Congress Street transit and pedestrian corrridor while respecting the adjacent residential neighborhood as outlined in the City's master plans.

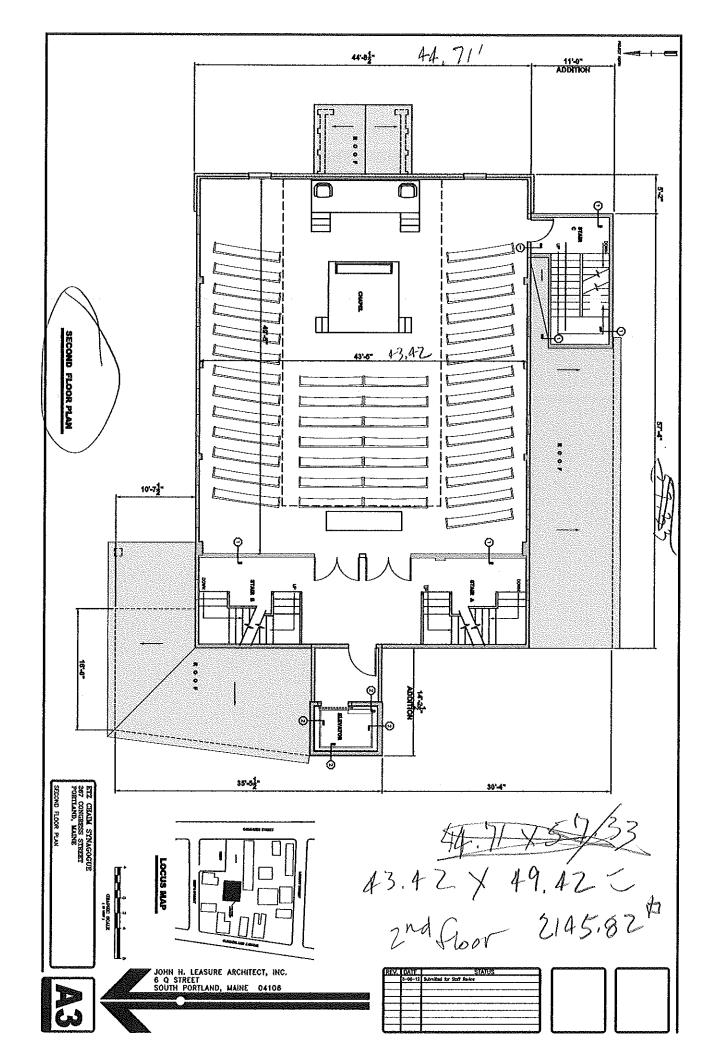
This proposed project will consist of a single story addition of meeting space on the southwesternly side of existing building together with a three story egress stair. The proposed full height brick stair addition facing Congress Street will maintain the brick facade character. The other facades facing residential neighborhoods will involve removal of the existing metal siding and application of enew clapboard siding which is in context with the residential theme. The minimal site disturbance to the front entry gardens during construction will be completely restored when building addition and utilities are completed.

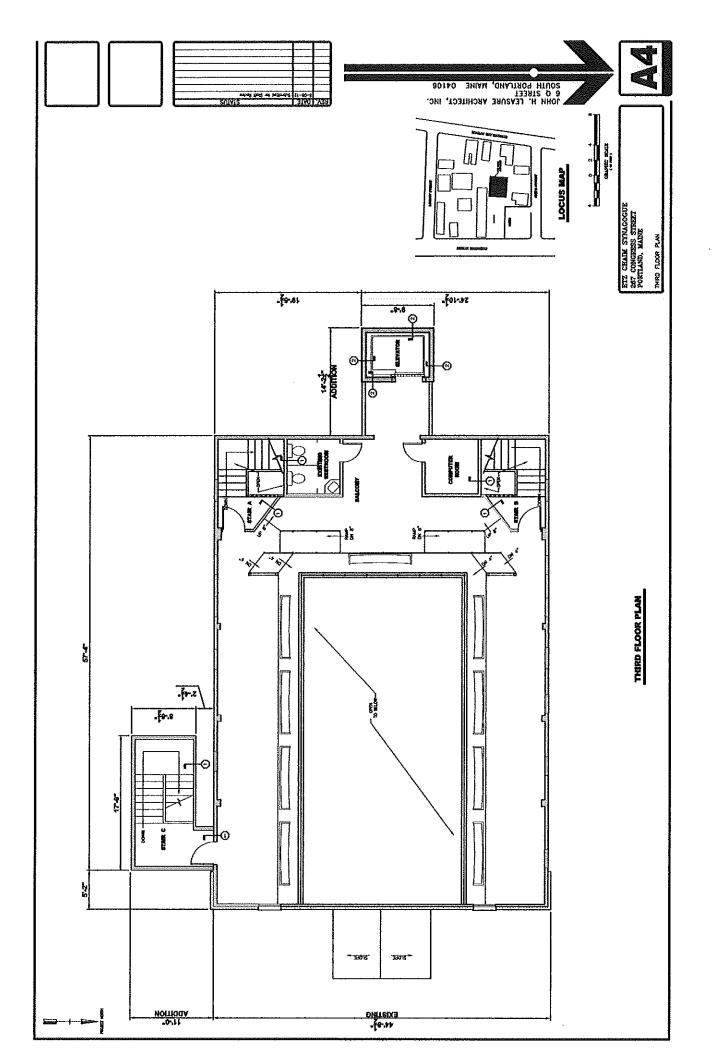
On the northwesterly side, a single story relocation of restrooms and a new elevator is planned together with a new covered porch side entry. The restrooms relocation and the elevator will greatly improve accessibility for occupants on all floor levels. The new stair will provide the required second means of egress and safe exiting from all the occupied floors.

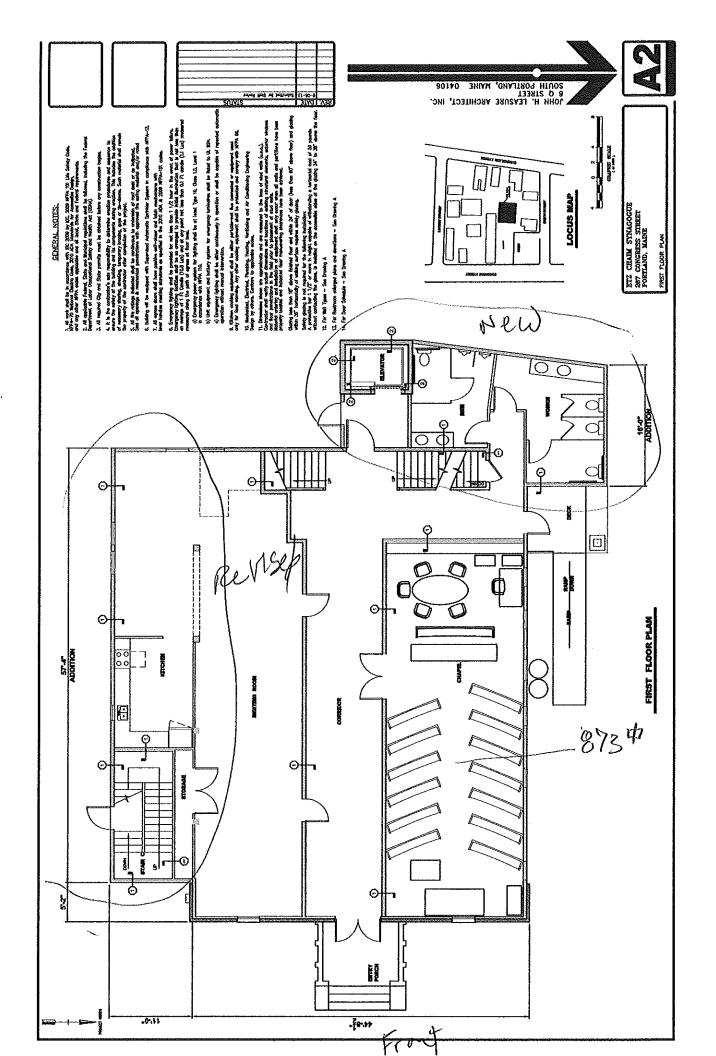
A full automatic sprinkler system is also planned for the entire building to further protect occupants, building and adjacent properties in the event of a fire.











PROJECT NAME: ETZ CHAIM SYNAGOGUE	
PROPOSED DEVELOPMENT ADDRESS:	
267 Congress Street,	Portland, Maine 04101
PROJECT DESCRIPTION:	
Addition of meeting s	pace and elevator.
CHART/BLOCK/LOT: 21 / E / 19	PRELIMINARY PLAN (date) FINAL PLAN 6/29/12 (date)
	Applicant's Contact for electronic plans
CONTACT INFORMATION:	Name:
	e-mail:
	work#:
Applicant must be owner, Lessee or Buyer	Applicant Contact Information
Name: ETZ Chiam Synagogue	Work#
Business Name, if applicable:	Home#
Address: 267 Congress St, Portland, Me.	Cell # Fax#
City/State: Zip Code: Portland, Maine 04101	e-mail:
Owner - (if different from Applicant)	Owner Contact Information
Name:	Work#
Address:	Home#
City/State : SAME Zip Code:	Cell # Fax#
	e-mail:
Agent/ Representative	Agent/Representative Contact Information
Name: Mr. Gary Berenson	Work#
Address: 267 Congress Street	Cell#
City/State Portland, Me. Zip Code: 04101	e-mail:
Billing Information	Billing Information
Name:	Work#
Address: SAME	Cell # Fax#
City/State : Zin Code:	e-mail:

Engineer	Sebago Technics	Engineer	Contact Information
Name:	James Seymour	Work#	856 0277
Address:	75 John Röberts Road	Cell #	Fax#
City/State:	Portland, Maine Zip Code: 04101	e-mail:	james.seymour@sebagotechnics.com
Surveyor	Owen Haskell, Inc	Surveyor	Contact Information
Name:	John Swan	Work#	774 0424
Address:	390 U.S.Route One, Unit 10	Cell#	Fax#
City/State :	Falmouth, Maine Zip Code: 04105	e-mail:	jswan@owenhaskell.com
Architect	John H Leasure, Architect Inc.	Architect	Contact Information
Name:	John Leasure	Work#	799 6570
Address:	Six Q Street	Cell#	Fax#
City/State :	South Portland Zip Code: 04106	e-mail:	jleasure@maine.rr.com
Attorney	Marshal Tinkle	Attorney	Contact Information
Name:	Tomkins, Clough, Hirson & Lange	₁ Work#	874 6700
Address:	3 Canal Plaza	Cell#	Fax#
City/State:	Portland, Maine Zip Code: 04101	e-mail:	

APPLICATION FEES:

Check all reviews that apply. (Payment may be made by Cash or Check payable to the City of Portland.)

Level II Development (check applicable reviews) Less than 10,000 sq. ft. (\$400.00) After-the-fact Review (\$1,000.00 plus applicable application fee)	Fees Paid (office use)	Other Reviews (check applicable reviews) Traffic Movement (\$1,000) Stormwater Quality (\$250) Section 14-403 Review (\$400 + \$25/lot) # of Lots x \$25/lot =	Fees Paid (office use) —— ——
The City invoices separately for the following: Notices (\$.75 each) Legal Ad (% of total Ad) Planning Review (\$40.00 hour) Legal Review (\$75.00 hour) Third party review is assessed separately.		Other Change of Use Flood Plain Shoreland Design Review Housing Replacement Historic Preservation	
Plan Amendments (check applicable reviews) Planning Staff Review (\$250) Planning Board Review (\$500)	Fees Paid (office use)		

APPLICATION SUBMISSION

As of December 1, 2010, all site plans and written application materials must be uploaded to a website for review. At the time of application, instructions for uploading the plans will be provided to the applicant. One paper set of the plans, written materials and application fee must be submitted to the Planning Division Office to start the review process.

Until December 1, 2010, submissions shall include seven (7) packets with folded plans containing the following materials:

- 1. Seven (7) full size site plans that must be folded.
- 2. Seven (7) copies of all written materials or as follows, unless otherwise noted:
 - a. Application form that is completed and signed.
 - b. Cover letter stating the nature of the project.
 - c. All Written Submittals (Sec. 14-525 2. (c), including evidence of right, title and interest.
- 5. A stamped standard boundary survey prepared by a registered land surveyor at a scale not less than one inch to 100 feet.
- 6. Plans and maps based upon the boundary survey and containing the information found in the attached sample plan checklist.
- 7. Copy of the checklist completed for the proposal listing the material contained in the submitted application.
- 8. One (1) set of plans reduced to 11 x 17.

Refer to the application checklist for a detailed list of submittal requirements.

Portland's development review process and requirements are outlined in the Land Use Code (Chapter 14), which includes the Subdivision Ordinance (Section 14-491) and the Site Plan Ordinance (Section 14-521). Portland's Land Use Code is on the City's web site: www.portlandmaine.gov Copies of the ordinances may be purchased through the Planning Division.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Planning Authority and Code Enforcement's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

This application is for a Level II Site Plan review. It is not a permit to begin construction. An approved site plan, a Performance Guarantee, Inspection Fee, Building Permit, and associated fees will be required prior to construction. Other Federal, State or local permits may be required prior to construction, which are the responsibility of the applicant to obtain.

Signature of Applicant:	Date:	
G-B-	August 6.	2012

PROJECT DATA

The following information is required where applicable, in order complete the application

Total Site Area	(0.41 Acres) 17, 859 sq. ft.
Proposed Total Disturbed Area of the Site	(0.05 Acres) 2,174 sq.ft.
(If the proposed disturbance is greater than one acre, then the	
Construction General Permit (MCGP) with DEP and a Stormwat	er Management Permit, Chapter 500, with
the City of Portland)	
IMPERVIOUS SURFACE AREA	
Proposed Total Paved Area	120 sq. ft.
Existing Total Impervious Area	3 52 8 sq. ft.
Proposed Total Impervious Area	1. 261 sq.ft.
Proposed Total Impervious Area Proposed Total Impervious Area	sq. ft.
Proposed Impervious Net Change	sq. ft.
1 Toposed impervious Net Orlange	54. 11.
BUILDING AREA	
Proposed Building Footprint	1 090 sq. ft.
Proposed Building Footprint Net change	2 930 sq. ft.
Existing Total Building Floor Area	(All Floors) 10 023 sq. ft.
Proposed Total Building Floor Area	1.364 sq. ft.
Proposed Building Floor Area Net Change	sq. ft.
New Building	No (yes or no)
ZONING	
Existing	·
Proposed, if applicable	RG/B2b
LAND USE	
Existing	EXISTING
Proposed	
RESIDENTIAL, IF APPLICABLE	
Proposed Number of Affordable Housing Units	
Proposed Number of Residential Units to be Demolished	
Existing Number of Residential Units	H/A
Proposed Number of Residential Units	N/A
Subdivision, Proposed Number of Lots	
- Canalylololi, i Toposed Tadifinet of Lots	
PARKING SPACES	
Existing Number of Parking Spaces	
Proposed Number of Parking Spaces	
Number of Handicapped Parking Spaces	SEE AttachED Letter
Proposed Total Parking Spaces	
BICYCLE PARKING SPACES	
 Existing Number of Bicycle Parking Spaces 	0
Existing Number of Bicycle Parking Spaces	
 Proposed Number of Bicycle Parking Spaces 	SIX
Total Bicycle Parking Spaces	51x (6)
ESTIMATED COST OF PROJECT	

_	natural features listed in Section 14-526 (b)1. of the Land Use Code).	
	Existing and proposed easements or public or private rights of way.	

General Submittal Requirements - Final Plan (Required) Level II Site Plan

Final Plan Phase Check list (including items listed above in General Requirements for Preliminary Plan, if applicant did not elect to submit for a preliminary plan review)

Applicant Checklist	Planner Checklist	Number of Copies	Written Submittal Requirement
Ø		1	Evidence of financial and technical capacity.
		1	Evidence of utilities' capacity to serve the development.
Ø		1	Written summary of fire safety (referencing NFPA fire code and Section 3 of the City of Portland Technical Manual).
		1	Construction management plan.
		1	Traffic Plan (if development will (1) generate 100 or more PCE or (2) generate 25 or more PCE and is located on an arterial, within 1/2 mile of a high crash location, and/or within ½ mile of an intersection identified in a previous traffic study as a falling intersection).
Ø		1	Stormwater management plan.
$\overline{\mathbf{Q}}$		1	Written summary of solid waste generation and proposed management of solid waste.
\mathbf{M}^{\prime}		1	Written assessment of conformity with applicable design standards.
		1	Manufacturer's verification that HVAC and manufacturing equipment meets applicable state and federal emissions requirements.

N	- 🛮	Final Site Plan Including the following
ď		 Existing and proposed structures on the site with distance from property line (including location of proposed piers, docks or wharves if in Shoreland Zone).
Ø		 Location of adjacent streets and intersections and approximate location of structures on abutting properties.
o d		Proposed site access and circulation.
V		Proposed grading and contours.
B		 Location and dimension of existing and proposed paved areas including all parking areas and vehicle, bicycle and pedestrian access ways. Proposed curl lines must be shown.
I		 Proposed loading and servicing areas, including applicable turning templates for delivery vehicles
v		Proposed snow storage areas or snow removal plan.
₫		Proposed trash and recycling facilities.
\square		 Landscape plan including existing vegetation to be preserved, proposed site landscaping and street trees.
D		Existing and proposed utilities.
V		 Location and details of proposed infrastructure improvements (e.g curb and sidewalk improvements, roadway intersection modifications, utility connections, public transit infrastructure, roadway improvements).
ď		 Proposed septic system, if not connecting to municipal sewer. (Portland Waste Water Application included in this application)
⊓√	П	Proposed finish floor elevation (FFE).

ETZ Chaim Synagogue 267 Congress Street Portland, ME 04101

Project Conformity with Design Standards

The Project will be designed to comply with all Local, State and Federal design standards including the Standards of City of Portland Building Codes and Land Use Code; specifically the B2-b Community Business Zone and the R-6 Small Residential Zone, the MUBEC- *Maine Uniform Building and Energy Code* which includes the 2009 IBC- *International Building Code and the* 2009 IECC-*International Energy Conservation Code*, 2010 *ADA Standards for Accessible Design*, *National Fire Protection Codes* and *ASHRAE* Standards.

Design is based on the use of exterior facades and glazing materials which will compliment the existing residential and commercial adjacent uses. The new window fenestration will be comprised of components which match the existing stained glass border detail currently present on the arched wood windows. The addition of new windows will be a betterment for energy conservaion and allow additional natural light that will promote a more desirable interior environment.

The existing replacement and addition of new clapboard siding will also consist of a horizontal band of solid colored clapboards and special roof line details to augment the residential character, create a distinct architectural frieze band and balance the mixed uses in this zone.

The addition of a three story egress stair and a full automatic sprinkler system will satisfy the City Fire Department concerns with life safety and code compliance as well as protect buildings and occupants.

The relocation of the restroom facilities and replacement of interior components will provide full compliance with the ADA and will improve the accessibility and functionality of the building in total.

ETZ Chaim Synagogue 267 Congress Street Portland, ME 04101

Project Compatibility with City's Master Plans

Project site location in a mixed commercial and residential use area presents a unique and creative architectural design challenge.

The existing building and proposed addition will respect and enhance the existing quality of the neighborhoods by removal of the existing metal siding and adding new building façade materials of brick and clapboard siding which compliment the fabric of each adjacent neighborhood use.

The building structure is situated near the rear portion of the lot with a deep landscaped garden entry wakway, which promotes scenic pedestrain access from the Congress Street corridor as well as creates an open green area which relates to several neighboring open natural features such as Peppermint Park and the Eastern Cementary.

The proposed addition of the covered porch at the side entrance will balance the integrity of the residential aestetics with the assembly worship spaces and provide exterior weather protection of occupants from the elements. There will also be greater occupant and visitor handicapped accessibility to restroom facilities and to all floors of the building.

This proposed addition and exterior façade improvements will certainly revitalize the general appearance, enhance the quality and vitality of the residential neighborhood while preserving the historical and landscaped garden area that currently exist.

Written Assessment of Zoning

The property is located within both the City of Portland's Residential-6 (R-6) and the Business B-2 (B2B) zones. There is an existing synagogue, Congregation ETZ Chaim, on the property. This project is an expansion of the existing building on the property. Based on discussions with City staff, it is our understanding that a Conditional Use Permit is not required for the portion of the project that is located in the R-6 Zone.

The southern property boundary is being relocated to the face of the abutting building, to the east, so the proposed building addition will meet the building setback requirements of the zoning.

11325

Existing/Proposed Easements

The property is not subject any existing easements. Based on the survey, there appears to be two areas where adjacent buildings encroach on the subject property. As part of this project, the applicant is negotiating with the eastern abutter to relocate this property line. This relocation will also provide the necessary setback distances for the proposed eastern building addition.

Congregation ETZ Chaim 11325

Waivers from Technical Standards

There are no waivers requested as part of this project.						

Summary of Significant Natural Features on Site

The property is entirely developed with impervious building and pavement areas as well as la areas. There are no areas of significant natural features on the property.	ndscaped

Utility Capacity Letter

We have submitted a request to the Portland Water District to obtain a capacity letter from them for the expanded building area. Once we receive confirmation of their ability to continue to serve the property, we will forward that along to the City.

We have also submitted a Wastewater Capacity Application to Mr. Frank Brancely, Senior Engineering Technician, City of Portland Department of Public Services, for his review of the capacity of the City's system to handle additional flows from the project. Once we receive a response from Mr. Brancely, we will forward that along to the City.

STORMWATER MANAGEMENT PLAN

Congregation ETZ Chaim Portland, Maine

I. Introduction

This Stormwater Management Plan has been prepared to address the potential impacts associated with this project due to the proposed modification in stormwater runoff characteristics. The stormwater management controls that are outlined in this plan have been designed to best suit the proposed development and to comply with applicable regulatory requirements.

II. Existing Conditions

The proposed site is located on 0.41 acres of land at 267 Congress Street in the City of Portland. The existing synagogue occupies the western portion of the site. An existing landscape/garden area with a brick walkway occupies the central and eastern portions of the site.

Land Cover

The site is currently developed and consists of impervious building, parking and brick walkways. A large landscape/garden area occupies the area adjacent to Congress Street.

A. Site Topography

Slopes on the site are moderately sloped draining easterly towards Congress Street. A small offsite area to the west drains southerly onto the existing property prior to being directed towards Congress Street.

B. Surface Water Features

There are no existing surface water features located on site.

C. Solls

Soil characteristics were obtained from the NRCS Web Soil Survey for Cumberland County. Soils identified on the site (or within close proximity) are identified below in Table 1.

Table 1 - Proximity Soil Types and Characteristics		
Soll Type	Symbol	HSG
Hinckley Gravelly sandy loam, 3-8% Slopes	HIB	A

III. Proposed Development

Congregation ETZ Chalm is proposing to construct two new additions to their existing building. A 577 square foot (SF) addition on the eastern side of the building will include a new stairway, sitting area and small kitchen area. A 513 SF addition to the northern portion of the building will

incorporate a new elevator and new men's and women's restroom facilities. Access to the site will be maintained from the existing access points of the site.

The proposed site improvements will disturb approximately 2,174 square feet (SF) of area. The redevelopment of the site will result in the creation of approximately 1,261 SF of new impervious area, resulting from the increase in building area and walkways.

A. Alterations to Land Cover

The proposed redevelopment of the site will consist of the additions to the existing building and the installation of concrete pads and walkways. Minimal re-grading will occur as part of the site re-development.

IV. Downstream Ponds and Waterbodies

Surface runoff from the site is tributary to the City of Portland's combined sewer system located in Congress Street.

V. Regulatory Requirements

A. <u>City of Portland, Maine</u>

The proposed development is classified as a Level II development and must comply with Section 5 of the City of Portland's Technical Manual stating that this development "shall be required to submit a stormwater management plan pursuant to the regulations of Maine DEP Chapter 500 Stormwater Management Rules, including Basic, General and Flooding Standards". The Maine Department of Environmental Protection (Maine DEP) Chapter 500 rules describe stormwater management requirements for new development projects.

The following sections describe how this project will address these stormwater management performance standards.

B. Maine DEP

Maine DEP Rule Chapters 500 and 502 describe stormwater management requirements for new development projects. These rules describe performance standards divided into five major categories: Basic Standards, General Standards, Phosphorous Standards, Urban Impaired Stream Standards, and Flooding Standards.

<u>Basic Standards</u>: A project must meet Basic Standards if it disturbs an area greater than one (1) acre. As this development will disturb approximately 2,174 SF of land area, it will not be required to meet Basic Standards.

General Standards: A project is subject to the General Standards if it results in the creation of one (1) or more-acres of impervious area or developed areas greater than five (5) acres. This standard requires that a minimum of 95% of all new impervious areas and at least 80% of all new developed areas are designed to be tributary to stormwater Best Management Practices (BMPs). Standard BMPs have been defined by the Maine DEP and are described thoroughly in their publication "Stormwater Management for Maine: Best Management Practices Manual" as revised in January of 2006. This project will create approximately 1,261 SF of new impervious surface and, therefore, will not be

required to meet the General Standards. The project will provide a roof dripline filtration strip along the southern and eastern portions of the building to provide water quality treatment for a portion of the project.

<u>Phosphorous Standards</u>: Stormwater from this project is not subject to the Phosphorus Standards.

<u>Urban Impaired Stream Standards</u>: Stormwater from this project is not tributary to an "Urban Impaired Stream" as defined by Maine DEP Chapter 502 and, therefore, is not subject to the Urban Impaired Stream Standards.

<u>Flooding Standards</u>: The Maine DEP requires that projects creating impervious areas greater than three (3) acres, or developed areas greater than twenty (20) acres, address various Flooding Standards. As this project creates approximately 1,261 SF of new impervious area it will not be required to meet the Flooding Standards.

VI. Stormwater Management BMPs

Roof Dripline Filtration Strip

In an effort to provide foundation drainage and also stormwater quality treatment for the new impervious building areas, we have incorporated a roof dripline filtration strip to the project. The dripline incorporates an 18" sand filter media above the underdrain to provide water quality treatment from runoff off the building. The underdrained will be connected to the elevator sump pit and pumped into the internal roof drainage system within the synagogue and directed to the drainage infrastructure in Congress Street.

VII. Peak Flow Analysis

This section has been prepared to discuss the proposed modifications to peak flow rates as a result of the development.

A. Pre-development

1. The entire site drains to the east towards Congress Street.

B. Post-development

In the post-development condition, the drainage pattern on the site remains unchanged. Runoff from the southern and a portion of the eastern building areas will be collected in the dripline filtration strip and directed to the elevator sump pit. A pump will convey the water from the elevator pit to the internal roof drains within the existing structure. The roof drains within the building convey runoff to the combined infrastructure in Congress Street.

VIII. Conclusions

The redevelopment of the site will consist of constructing two new building additions and the reconfiguring of site walkways. The proposed improvements will results in the creation of approximately 1,261 SF of new impervious area. This increase in onsite impervious area will result in an insignificant increase in the post-development peak rate of runoff.

Stormwater quality treatment has been provided for a portion of the new impervious rooftop areas through the use of a roof dripline filtration strip.

An Erosion and Sedimentation Control Plan has been developed for the project site placing emphasis on the installation of sedimentation barriers and revegetation to minimize erosion potential from development activities during and after construction. The Erosion and Sedimentation Control Plan is incorporated into the design plans.

PANCIOCCO JR No. 10941

Prepared by:

SEBAGO TECHNICS, INC.

Anthony P. Panciocco, P.E. Senior Project Engineer

APP:app/kn August 2, 2012

11325

Solid Waste Generation

The proposed project includes two building additions totaling 1,090 square feet.	As such, we do not
anticipate any significant increase in the solid waste generated by the synagogue.	

Know all Men by these Presents, Chat

I, Bernice S. True of Fortland, in the County of Cumberland and State of Maine,

in consideration of One dollar and other valuable considerations, paid by Congregation Etz Chaim, a corporation organized and existing under the laws of Maine and located at said Portland,
the recoipt whereof I do hereby seknowledge, do hereby give, grant, bargein, sell and convey unto the said

Congregation Etz Chaim, its successors and assigns forever, a certain lot or parcel of land situated in said Portland and being that portion of the first lot of land. described in a deed from Sherman I. Gould, Administrator, to this grantor, dated June 27, 1930, and recorded in the Cumberland County Registry of Deeds in Book 1351, page 193, lying between a small stream or brook crossing the same and the rear line thereof, more particularly bounded and described as follows:

Beginning at a point in the thread of said stream in the division line between this grantor's land and land of Iuella C. True et als, and running thence by said True land S. 34° W one hundred (100) feet, more or less, to the northeasterly side line of a passageway or right of way leading to and adjoining the Mount Sinai Cemetery; thence by said line of said right of way 5 570 mine (9) rods, more or less, to land now or formerly of Arthur C. Frost; thence by said Frost land N 330 E one hundred (100) feet,. more or less, to the thread of said stream; thence northwesterly by the thread of said stream nine (9) rods, more or less, to the point of beginning.

U.S.I.R 50 cts. B.S.T. 8/23/33

On Hane and in Rulh the aforegranted and bargained premises, with all the privileges and appartenances thereof, to the said Congregation Etz Chain, its successors heir and assigns, to its and their use and behoof forever. And said grantee, its successors do, covenant with the heirs and assigns, that lawfully seized in fee of the premises; that they are free of all in cumbrances;

have good right to sell and convey the same to the said grantee to hold as aforesaid; and that I and my helm, shall an grantee, its successors home and assigns forever, against the lawful claims and demands of all persons. helm, shall and will warrant and defend the same to the said

In Witness Whereof, I the said Bernice S. True, being unmarried,

have hereunto set in the year of our Lord hand and seal this twenty-eighth щy August one thousand nine hundred and thirty-three. Signed, Scaled and Delivered

Sherman I. Gould

Before me.

Bernice S. True Sea1

State of Maine, Combergand, 88. 19 33. Personally appeared August 28. the above armed Bernice S. True, and acknowledged the above instrument to be free act and deed. Sherman I. Gould,

Received August 31, 19 33, at 2 o'clock 5 m. P.M., and recorded according to the original.

Know all Men by these Presents, Chat

We, Luella C. True and William C. True, both of Long Island, New York, and Norman E. True, of Quantico, Virginia, being the widow and children and sole heirs at law of Ernest True, deceased, late of Portland, in consideration of One dollar and other good and valuable considerations, paid by in consideration of One dollar and other good and valuable corporation, duly organized, and congregation Etz Chaim, are ligious and charitable corporation, duly organized, and consideration of the Etate of Maine, and having its principal locations in said Portland, the receipt whereof we do hereby give, grant, bargain, sell and convey unto the said Congregation Etz Chaim, its give, grant, bargain, sell and convey unto the said Congregation Etz Chaim, its successors and assigns forever, A certain lot or parcel of land located in Portland successors and assigns forever, A certain lot or parcel of land conveyed by Norman True to Ernest True by his deed recorded in the Cumberland County Registry of Deeds in book 803, page 253, to which deed reference is hereby made; thence running north westerly one hundred and forty-five feet (145) more or less along the boundary line of said conveyed lot to an iron stake in the small brook or stream; thence north westerly one hundred and fifty-four feet (184) more or less following an average course of the brook to an iron stake off the bank of the brook about nine feet (91) distant in a northerly direction thence southwesterly two hundred and forty-one feet (241) more or less following an average course of the brook to an iron stake, said iron stake lying in line with the picket fence now forming the northerly boundary of Mount Sinai Cemetery; thence from said iron stake southeasterly two hundred and forty-two feet (242) more or less along the line of said picket fence to the point of beginning. Containing eight tenths of an acre (6/10) more or less. Being a part of the premises conveyed by Norman True to Ernest True by deed recorded in the Cumberland County Registry of Deeds in Book 803, pag Book 2130 Page 69 recorded herewith.

On Have and in Hald the aforegranted and bargained premises, with all the privileges and appurtenances thereof, to aid Congregation Etz Chaim, its successors

being and assigns, to it and their use and behoof forever. And said Grantee, its successors

do covenant with the

U.S.I.R 50 cts. L.C.T. & 8/16/33

being and assigns, that

lawfully seized in fee of the promises; that they are free of all in cumbrances; we are

We have good right to sell and convey the same to the said grantee heirs, shall and will warrant and defend the same to the said and our to hold as aforesaid; and that We and OUT heirs, shall ar Grantee, its successors
belin, and essigns forever, against the lawful claims and demands of all persons.

In Mittues Mirrof, We the said Luella C. True, being a widow and unmarried and Norman E.True, being unmarried, and William C.True and Laura C.True, wife of the said William C. True, joining in this deed as grantors, and relinquishing and conveying our rights by descent and all other rights in the above described premises, have hereunto set

band 8 and seal 3 this

day of August

in the year of our Lord

one thousand nine hundred and thirty-three.

Signed, Sealed and Delivered in presence of

William W. Gray Kathleen Bey Anson Sadie L. Chase Sadie L. Chase

Luella C. True Norman E. True William C. True Sea1 Sea1 Laura C. True

New York, County of Queens State of Mains, Countral August

Personally appeared

Luella C. True

and acknowledged the above instrument to be her Before me, William W. Gray, Notary Public, Queens County, Queens Co. 01 k No. 194. Res. No. 3187 Term expires March 20, 1954.

19 33, at 8 o'clock - m. A.M., and recorded according to the original. August 31, Received

____19 g...

City of Portland 400 Congress St. Portland, ME 04101

To Whom It May Concern:

We have estimated the cost for completing this construction project to be approximately \$250,000.00. Adding a 10% cushion for contingency, we will require \$275,000.00 to complete the project. As president of Etz Chaim Synagogue, I will attest to the fact that we have set aside \$275,000.00 for the sole purpose of funding this project.

Sincerely,

Gary Berenson
President – Etz Chaim Synagogue