DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING PERMIT

This is to certify that PORTLAND CONGREGATION OF JEHOVAH'S WITNESSES

Located At 355 CANCO RD

CBL: 161- B-043-001

Job ID: 2012-02-3343-ALTCOMM

has permission to Demolish existing portico entry & build a 20'x22' car port, 16'x44' additon and re-use portico/ site work provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

5/7/12

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No:	Date Applied:	CBL:	
2012-02-3343-ALTCOMM	**2/22/2012**	**161- B-043-001**	
Location of Construction: **355 CANCO RD**	Owner Name: **PORTLAND CONGREGATION OF JEHOVAH'S WITNESSES**	Owner Address: **355 CANCO RD PORTLAND, ME 04103**	Phone:
Business Name:	Contractor Name: **Mark Lawrence**	Contractor Address: **421 ALFRED KENNEBUNK MAINE 04043**	Phone: **(207) 468-9722**
Lessee/Buyer's Name:	Phone:	Permit Type: **BLDG - Building**	Zone: **R-5**
Past Use: Kingdom Hall of Jehovah's Witnesses w/ one dwelling unit	Proposed Use: Same - Kingdom Hall of Jehovah's Witnesses w/ one dwelling unit – demo front enty, build 44' x 16' addition, add 22' x 20' carport & add to parking & driveway	Cost of Work: **151000.00**	CEO District:
		Fire Dept: ✓ Approved w/ conditions ___ Denied ___ N/A Signature: Capt. Pelletier 3/4/12	Inspection: Use Group: A-3 Type: 5B IBC-2009 Signature: JMB 5/7/12
Proposed Project Description: **Demo front entry & add new carport etc.**		Pedestrian Activities District (P.A.D.)	
Permit Taken By:			

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building Permits do not include plumbing, septic or electrial work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
___ Shoreland	___ Variance	✓ Not in Dist or Landmark
___ Wetlands	___ Miscellaneous	___ Does not Require Review
___ Flood Zone	___ Conditional Use	___ Requires Review
___ Subdivision	___ Interpretation	___ Approved
___ Site Plan	___ Approved	___ Approved w/Conditions
___ Maj ___ Min ___ MM	___ Denied	___ Denied
Date: Ok w/ conditions 2/27/12 ABM	Date:	Date: ABM

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the appication is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

Footings/Setbacks prior to pouring concrete

Foundation/Rebar

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

Acting Director of Planning and Urban Development
Gregory Mitchell

Job ID: 2012-02-3343-ALTCOMM **Located At:** 355 CANCO RD **CBL:** 161- B-043-001

Conditions of Approval:

Zoning

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2. This property shall remain a place of assembly with one dwelling unit. Any change of use shall require a separate permit application for review and approval.

Fire

1. Installation shall comply with City Code Chapter 10.
2. All construction shall comply with City Code Chapter 10.
3. This permit is being approved on the basis of the plans submitted. Any deviation from the plans would require amendments and approval.

Building

1. Application approval based upon information provided by applicant, including revisions and addendums. Any deviation from approved plans requires separate review and approval prior to work.
2. This approval allows the use of the revised ASCE 7-10 for wind and seismic calculations per IBC 2009 Sec. 104.11 for alternative design.
3. All penetrations through rated assemblies must be protected by an approved firestop system installed in accordance with ASTM E 814 or UL 1479, per IBC 2009 Section 713.
4. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.

R-5

App Entered 2/24/12 (6)

General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 355 Canco Road		
Total Square Footage of Proposed Structure/Area: 5,520	Square Footage of Lot: 93,654	Number of Stories: (one) 1
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 161 B 043002	Applicant *must be owner, Lessee or Buyer* Name Mark Lawrence Address 421 Alfred Rd City, State & Zip Kennebunk Me. 04043	Telephone: H 207-985-9785 C 207-468-9722
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name Portland Congregation of Address Jehovah's Witness 355 Canco Rd. City, State & Zip Portland 04103	Cost Of Work: $ 150,725. C of O Fee: $ Total Fee: $ 1,530.00

Current legal use (i.e. single family) Place of Worship Number of Residential Units
If vacant, what was the previous use?
Proposed Specific use: Place of Worship
Is property part of a subdivision? No If yes, please name
Project description: Demo front Entry + add new carport. Add 16' off Gable end for new office. (44'x16') (20'x22')

RECEIVED FEB 21 2012

Contractor's name: Mark Lawrence
Address: 421 Alfred Rd
City, State & Zip Kennebunk Me 04043 Telephone: 468-9722
Who should we contact when the permit is ready: Kurt Berg Telephone: 482-9080
Mailing address: 516 Roosevelt Trail Windham, Me 04062

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

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 Code Official'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.

Signature: Mark Lawrence Date: 2/17/12

This is not a permit; you may not commence ANY work until the permit is issue

Revised 05-05-10

Jeanie Bourke - 355 Canco Road, Jehovah's Witness Project - Building Permit Issuance

From: Philip DiPierro
To: Code Enforcement & Inspections
Date: 5/4/2012 4:45 PM
Subject: 355 Canco Road, Jehovah's Witness Project - Building Permit Issuance

Hi all, this project, site plan #10-79900026, The Jehovah's Witness Project located at 355 Canco Road, meets minimum DRC site plan requirements for the issuance of the Building Permit. Please see 1S for sign off and feel free to contact me with any questions.

Thanks.

Phil

Certificate of Design

Date: FEBRUARY 17, 2012

From: MAINE REGIONAL BUILDING COMMITTEE

RECEIVED FEB 21 2012

These plans and / or specifications covering construction work on:

PORTLAND KINGDOM HALL OF JEHOVAH'S WITNESSES

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the ~~2003~~ 2009 ***International Building Code*** and local amendments.

STATE OF MAINE
EERO HEDEFINE
No. 10111
LICENSED PROFESSIONAL ENGINEER
2/17/12
(SEAL)

Signature:

Title: ENGINEER

Firm: MAINE REGIONAL BUILDING COMMITTEE: ENGINEERING DEPT.

Address: P.O. Box 668

ELLSWORTH, ME 04605

Phone: 207-664-0930

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

Maine Regional Building Committee
of Jehovah's Witnesses

February 16, 2012

Planning and Development Department
Inspections Division
389 Congress Street
Portland, ME 04101

Re: Fire Department Requirements
Portland Kingdom Hall Renovations Project, Portland, Maine

Dear Sir or Madam:

Submitted for your review and approval is the Life Safety Plan for the renovations to the existing Kingdom Hall in Portland, Maine.

The existing building is a place of worship (assembly occupancy), located at 355 Canco Road in Portland, Maine. Applicant contact information is Mark Lawrence, Project Development Overseer, 421 Alfred Road, Kennebunk, Maine 04043, 207-985-9785 (home) or 207-468-9722 (cell). The project manager is the Maine Regional Building Committee of Jehovah's Witnesses. Design professional for Life Safety calculations is Alina Watt, P.E. There is an existing apartment physically attached to the structure with no interior access between the two occupancies. The building is not sprinkled and there is no fire alarm system. The existing single-story building is approximately 4,816 square feet (sf); proposed renovations will increase the building size to approximately 5,520 sf, total.

The proposed renovations include a small addition that will house support rooms (i.e. offices) and minor reconfigurations to the interior walls which will reduce the size of the main auditorium, increase the size of a secondary meeting room and create a private space for nursing mothers. As shown on the plans, the proposed renovations serve to reduce the occupancy load on the building. No renovations are proposed for the adjoining apartment or mechanical rooms.

The proposed renovations to the assembly occupancy do not include cooking facilities, daycare or separate education classrooms. Travel distances with the renovated layout do not exceed 250', as shown on the Life Safety Plan. The entire building is not proposed to have sprinklers, due to applicable provisions of Life Safety 101, Chapter 13 (existing assembly occupancies). Fire extinguishers and emergency lighting will be provided, as shown on the Life Safety Plan. Please reference the building plan set for construction details not shown on the Life Safety Plan.

Please do not hesitate to contact me with questions regarding the Life Safety Plan. I may be reached at 207-469-2752 or via e-mail at alina.watt@gmail.com. Thank you for your consideration of this matter.

Sincerely,

Maine RBC

Alina Watt, PE, LEED AP
Project Engineer

Enclosures

QB/Portland/FD ltr Portland.doc

Alina Watt Contact Address: 832 Route 46, Bucksport, ME 04416
Phone: 207-469-2752 E-mail: alina.watt@gmail.com

Maine Regional Building Committee
Of Jehovah's Witnesses

February 17, 2012

Planning and Development Department
Inspections Division
389 Congress Street
Portland, ME 04101

Re: Certificate of Design Application
Portland Kingdom Hall Renovations Project, Portland, Maine

Dear Sir or Madam:

We are submitting this letter to provide the information requested on the City of Portland "Certificate of Design Application". It appears that this form is slightly outdated and it is difficult to enter the requested information in the spaces provided. The IBC references all relate to the 2003 version and some do not appear to be accurate. As you are no doubt aware, the State now references IBC 2009 and that is the code we generally reference. In addition, it is our practice to utilize the revised ASCE 7-10 for wind and seismic calculations as they represent the latest advancement in engineering practice. We believe the use of this material meets the allowance of IBC 2009 section 104.11 and respectfully request that these values be accepted as an allowable alternate. In an effort to provide clear design information used we are presenting the material requested on the Certificate of Design Application form in this letter. If this is unacceptable we would certainly be willing to use the exact form but we respectfully request that this letter be accepted in the place of that form.

The structure is located at 355 Canco Road, Portland, Maine.
The Project is known as: Portland Kingdom Hall of Jehovah's Witnesses

The existing building serves as a Kingdom Hall and has a one bedroom apartment attached to the side. The building is a one story, wood frame structure with a slab-on-ground and frost walls. The project consists of adding a 16 foot by 44 addition to one end of the building. The addition is to provide additional office and support rooms. The apartment and the main auditorium are not being modified in size or location.

Code Used: IBC 2009 & ASCE 7-10
Use Group Classification: A-3
Type of Construction: 5B
Will the Structure have a Fire Suppression system in accordance with 903.3.1 of 2003 IRC?: No
Is the structure mixed use?: Yes
If yes, separated or non-separated?: It is unknown if the existing wall between the support rooms and the apartment is rated. This area of the building is not being modified.
Supervisory alarm system?: No
Geotechnical/Soils report?: No

Design Loads on Construction Documents:

Floor Area Use	Loads Shown
Assembly/Corridor	100 psf

Eero Hedefine Contact Address: P.O. Box 668, Ellsworth, ME 04605
Phone: 207-664-0930 E-mail: eero@hedeng.co

Maine Regional Building Committee
Of Jehovah's Witnesses

Wind Loads
Please see attached factors and calculations. ASCE 7-10 Section 28, Part 2 "Simplified Envelope Procedure" used.

Seismic Design
Design Option utilized: Simplified Lateral Force Analysis Procedure from ASCE 7-10 section 12.14.8
Seismic Risk Category: II
Seismic Importance Factor: 1
SDs: 0.256
SD1: 0.128
Site Class: D
Seismic Design Category: B
Basic Seismic force resisting system: Light frame (wood) walls sheathed with wood structural panels rated for shear resistance. R= 6.5
Design Base Shear: 10,680 pounds

Basic loads
Roof Live Load: 20 psf
Sloped Roof Snow load: 42 psf
Ground Snow load: 60 psf
Flat roof snow load: 42 psf
Snow exposure factor: 1
Snow importance factor: 1
Roof thermal factor: 1

Flood Information
Flood Hazard Area: X zone
Elevation of Structure: 75.5 feet

We trust this letter provides you with the information required by the City however we would be pleased to provide additional information if you so require. I may be reached at 207-664-0930 or via e-mail at eero@hedeng.co (not .com) Thank you for your consideration of this matter.

Sincerely,
Maine RBC

Eero Hedefine, PE, LEED AP
Project Engineer

Enclosures: Wind overview sheets

Projects/KH projects/Portland/Certificate of Design Application.doc

Eero Hedefine Contact Address: P.O. Box 668, Ellsworth, ME 04605
Phone: 207-664-0930 E-mail: eero@hedeng.co

DESIGN WIND LOADS

Project #:	
Proj. name:	Portland KH
By:	EH
Checked by:	
Member:	

Notes:
1. Based on ASCE 7-10 Chapter 28, Part 2
2. For buildings with hip, gable, or flat roofs only.
3. All values in this spreadsheet are at strength-design level; the factors reducing values to ASD level are embedded within subsequent Multiframe calculations.

BUILDING INFORMATION:

Standard(s) used: 1. ASCE 7-10 Truss spacing: 2 ft. on-center

Building Risk Category:	2	
Basic Wind Speed:	117	mph. (from Fig. 26.5-1A, B, or C)
Exposure Category:	B	(See Section 26.7)
Topographic Factor Kzt:	1.00	(See Section 26.8 and Fig. 26.8-1)
Mean roof height "h":	15.5	ft.
Adjustment Factor λ:	1	(Interpolate from table at end of Fig. 28.6-1)
Building length:	108.00	ft.
Building width:	44.00	ft.
Roof Pitch:	6	/12 (Note: Pitch greater than 12/12 not permitted for this method)
Roof pitch angle:	26.6	deg.

Calculate "a":

Least bldg. dimension:	44.00 ft.
Calculated "a":	4.40 ft.
Min. allowable "a" value:	3.00 ft.
a=	4.40 ft.
2a=	8.80 ft.

"CASE A1, A2' Entered into Multiframe model as "Wind A1" and "Wind A2"
Wind direction perpendicular to roof ridge
(Use θ calculated above)
Enter Values from Fig. 28.6-1 (p_{s30}):

	Wind Zone	Press. by Load Case (psf.) A1	A2
HORIZONTAL PRESSURES	A:	28.6	
	B:	4.6	
	C:	20.7	
	D:	4.7	
VERTICAL PRESSURES	E:	-12.7	-4.8
	F:	-17.3	-9.4
	G:	-9.2	-1.3
	H:	-13.9	-6.0
OVERHANGS	EOH:	-23.7	
	GOH:	-20.2	

CASE A1 & A2 WIND VALUES
Code Says Check Load Cases A1, A2, and B

	Wind Zone	Pressure (psf.) A1	A2	Load to Truss T.C. (plf.) A1	A2
HORIZONTAL PRESSURES	A:	28.6	0.0	57	0
	B:	4.6	0.0	9	0
	C:	20.7	0.0	41	0
	D:	4.7	0.0	9	0
VERTICAL PRESSURES	E:	-12.7	-4.8	-25	-10
	F:	-17.3	-9.4	-35	-19
	G:	-9.2	-1.3	-18	-3
	H:	-13.9	-6.0	-28	-12
OVERHANGS	EOH:	-23.7	0.0	-47	0
	GOH:	-20.2	0.0	-40	0

DESIGN WIND LOADS

Project #:	
Proj. name:	Portland KH
By:	EH
Checked by:	
Member:	

Notes:
1. Based on ASCE 7-10 Chapter 28, Part 2
2. For buildings with hip, gable, or flat roofs only.
3. All values in this spreadsheet are at strength-design level; the factors reducing values to ASD level are embedded within subsequent Multiframe calculations.

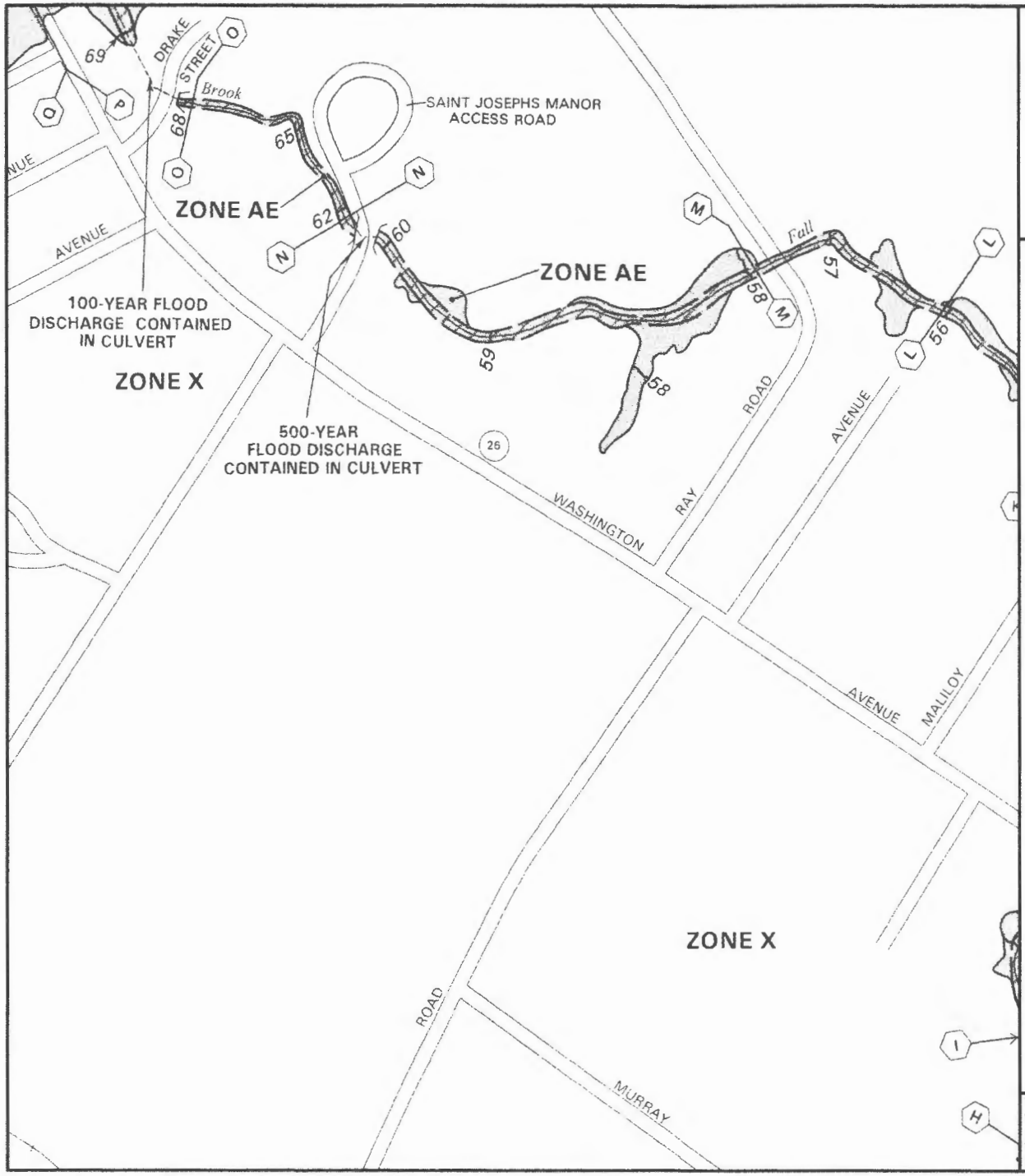
Note: Loads to TC of truss are on global projection

"CASE B": Entered into Multiframe model as "Wind B"
Wind direction parallel to roof ridge (into gable end)
(Use θ = 0 degrees in Figure 28.6-1)
Enter Values from Fig. 28.6-1 (p_{S30}):

	Wind Zone	Load Case 1
HORIZONTAL PRESSURES	A:	22.8
	B:	-11.9
	C:	15.1
	D:	-7.0
VERTICAL PRESSURES	E:	-27.4
	F:	-15.6
	G:	-19.1
	H:	-12.1
OVERHANGS	EOH:	-38.4
	GOH:	-30.1

	CASE B WIND VALUES		
	Wind Zone	Pressure (psf.)	T.C. (plf.)
HORIZONTAL PRESSURES	A:	22.8	46
	B:	-11.9	-24
	C:	15.1	30
	D:	-7.0	-14
VERTICAL PRESSURES	E:	-27.4	-55
	F:	-15.6	-31
	G:	-19.1	-38
	H:	-12.1	-24
OVERHANGS	EOH:	-38.4	-77
	GOH:	-30.1	-60

Note: Loads to TC of truss are on global projection



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
PORTLAND,
MAINE
CUMBERLAND COUNTY

PANEL 7 OF 17
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
230051 0007 C

MAP REVISED:
DECEMBER 8, 1998

Federal Emergency Management Agency

Maine Regional Building Committee
of Jehovah's Witnesses
Design & Engineering Dept.

April 4, 2012

Jeanie Bourke
Planning and Development Department
Inspections Division
389 Congress Street
Portland, ME 04101

Subject: Portland Congregation of Jehovah's Witnesses; Kingdom Hall Remodel

Dear Ms. Bourke:

This letter is written in response to your recent review comments of March 23, 2012 regarding the subject project. Specifically it addresses the two comments regarding the (1) subsoil conditions and (2) the point load of the LVL beam.

1. A geotechnical report was not obtained as the addition to the building is directly adjacent to the existing building. For design purposes, we felt that the exemption allowed under IBC 1803.2 would apply since the existing building has the same building section and foundation type as the proposed addition and has performed adequately for quite a number of years. The footing is therefore designed according to the presumptive load bearing values of Table 1806.2 assuming clay, sandy clay, silty clay, silt and sandy silt (1,500 psf). We also anticipate visiting the site during the foundation excavation to verify subgrade soil type and bearing capacity. If the subgrade is found to have a lower bearing capacity, the footing width will be increased to accommodate a weaker soil. We can provide the City a letter of findings and modifications (if required) subsequent to this event should you desire.
2. The capacity of the proposed plate and existing slab were evaluated with regard to the loading from the LVL in the meeting room and the plans reflect what is required. The slab does not require an additional footing and the plate has capacity for the anticipated loading.

We trust these responses provide you with the information you require to complete your review however we would be pleased to provide you with more information if you require such.

Respectfully,
MRBC Design & Engineering Dept.

STATE OF MAINE
EERO
HEDEFINE
No. 10111
LICENSED
PROFESSIONAL ENGINEER

Eero Hedefine, P.E., LEED AP
Project Engineer

Eero Hedefine Contact Address: P.O. Box 668, Ellsworth, ME 04605
Phone: 207-664-0930 E-mail: eero@hedeng.co (not .com)

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

DARRYL N. BROWN
COMMISSIONER

ASBESTOS BUILDING DEMOLITION NOTIFICATION

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
Lead & Asbestos Hazard Prevention Program
17 State House Station, Augusta, Maine 04333

Maine law requires the filing of the ASBESTOS BUILDING DEMOLITION NOTIFICATION with the Department prior to demolition of any building except a single-family home.

Building owners are required to provide this notification of the demolition of a building to the DEP at least 5 working days prior to the demolition. This notification is **not** required before the demolition of a single-family residence or related structure (e.g., garage, shed, barn). It is also **not** required if previous notification of the demolition has been provided to the DEP as part of an asbestos abatement project notification. ***Demolition*** means the tearing down or intentional burning of a building or part of a building.

Prior to demolition, building owners must determine if there is any asbestos-containing material(s) (ACM) in the building. An "asbestos inspection" by a DEP-licensed Asbestos Consultant is required for all buildings except single-family homes and residential buildings with 2-4 units built after 1980. In lieu of an asbestos inspection, pre-1981 residential buildings with 2-4 units can be surveyed to identify possible ACM by someone knowledgeable about ACM, such as a code enforcement officer or building inspector. If materials that may contain asbestos are found, then you can either assume they are ACM or hire a DEP-licensed Asbestos Consultant to test the materials.

Whenever more than 3 square feet or 3 linear feet of ACM is identified, the ACM must be abated in accordance with the *Maine Asbestos Management Regulations* by a DEP-licensed Asbestos Abatement Contractor. This includes materials presumed to be ACM. Check **www.maine.gov** for a listing of asbestos contractors.

Prior to issuing a local demolition permit, the DEP requests that **municipalities** have applicants for municipal demolition permits complete this form and fax it to the DEP at 207-287-6220. Municipalities should not issue local demolition permits if the required asbestos inspection or survey has not been performed and identified ACM removed.

Were regulated asbestos-containing building materials found? ☐ **yes** ☒ **no**

property address: 355 Canco Road Portland, Maine 04101	building description: ☐ pre-1981 residential with 2-4 units ☐ post-1980 residential with 2-4 units ☒ other: Commercial Building
asbestos survey/inspection performed by: (name & address) Bruce M. Hackett, Sr. Abatement Professionals Corp. Westbrook, Maine 04092 telephone: 773-1276	asbestos abatement contractor N/A telephone:

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333 0017
(207) 287 7688 FAX: (207) 287 7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04679-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

property owner: (name & address)	demolition contractor: (name & address)
West Congregation of Jehovah's Witnesses Portland Maine C/O 168 Stanford St Apt#3 S Portland ME 04106 telephone: 799-0960	Self telephone:
demolition start date: (mm/dd/yy)	demolition end date: (mm/dd/yy)

This demolition notification does not take the place of the Asbestos Project Notification if applicable

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT

Bruce M. Hackett Sr.	Asbestos Inspector AI-0325	
Print Name: Owner/Agent	Title	Signature
773.1276	772-1203	April 24, 2012
Telephone #	FAX #	Date

STATE OF MAINE - DEPARTMENT OF PUBLIC SAFETY
OFFICE OF STATE FIRE MARSHAL
45 COMMERCE DR STE 1
AUGUSTA, ME 04333-0001

Construction Permit

No. 20608

In accordance with the provisions of M.R.S.A. Title 25, Chapter 317, Sec.317 and Title 5, Section 4594-F, permission is hereby granted to construct or alter the following referenced building according to the plans hitherto filed with the Commissioner and now approved. No departure from application form/plans shall be made without prior approval in writing. Nothing herein shall excuse the holder of this permit for failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions.

Each permit issued shall be displayed at the site of construction.

Building: PORTLAND KINGDOM HALL RENOVATIONS
Location: 355 CANCO RD, PORTLAND, ME 04103-4241
Owner: PORTLAND KINGDOM HALL
Owner Address: 421 ALFRED RD, KENNEBUNK, ME 04043-6225

Occupancy Type: Assembly Class <300
Secondary Use: Apartments
Use Layout: Separated Use
No Sprinkler System
No Fire Alarm System
Construction Mode: Renovation, Addition
Unprotected Wood Frame: Type V (000)
Final Number of Stories: 1

Permit Date: 03/26/2012 **Expiration Date:** 09/25/2012

RECEIVED
MAR 27 2012
Dept. of Building Inspections
City of Portland Maine

John E Morris
COMMISSIONER OF PUBLIC SAFETY

Copy 1 - Owner

STATE OF MAINE - DEPARTMENT OF PUBLIC SAFETY
OFFICE OF STATE FIRE MARSHAL
45 COMMERCE DR STE 1
AUGUSTA, ME 04333-0001

Construction Permit

No. 20608

In accordance with the provisions of M.R.S.A. Title 25, Chapter 317, Sec.317 and Title 5, Section 4594-F, permission is hereby granted to construct or alter the following referenced building according to the plans hitherto filed with the Commissioner and now approved. No departure from application form/plans shall be made without prior approval in writing. Nothing herein shall excuse the holder of this permit for failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions.

Each permit issued shall be displayed at the site of construction.

Building: PORTLAND KINGDOM HALL RENOVATIONS
Location: 355 CANCO RD, PORTLAND, ME 04103-4241
Owner: PORTLAND KINGDOM HALL
Owner Address: 421 ALFRED RD, KENNEBUNK, ME 04043-6225

Occupancy Type: Assembly Class <300
Secondary Use: Apartments
Use Layout: Separated Use
No Sprinkler System
No Fire Alarm System
Construction Mode: Renovation, Addition
Unprotected Wood Frame: Type V (000)
Final Number of Stories: 1

Permit Date: 03/26/2012 **Expiration Date:** 09/25/2012

RECEIVED
MAR 27 2012
Dept of Building Inspections
City of Portland Maine

John E Morris

COMMISSIONER OF PUBLIC SAFETY

Copy 2 - Architect

CITY OF PORTLAND, MAINE
Department of Building Inspections

Original Receipt

2/21 20 12

Received from Kurt Berg

Location of Work 355 Cmco Rd

Cost of Construction $ 151,000 Building Fee: 1530.00

Permit Fee $ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 1530.00

Building (IL) X Plumbing (I5) ___ Electrical (I2) ___ Site Plan (U2) ___

Other _____

CBL: 161 B013

Check #: 509 **Total Collected $** 1530.00

No work is to be started until permit issued.
Please keep original receipt for your records.

Taken by: _____

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

SECTION 03 30 00 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals: concrete mix designs and reinforcement types

B. Ready-Mixed Concrete Producer Qualifications: ASTM C 94/C 94M.

C. Comply with ACI 301, "Specification for Structural Concrete"; ACI 117, "Specifications for Tolerances for Concrete Construction and Materials"; ACI 318 "Building Code Requirements for Structural Concrete", ACI 302 "Guide for Concrete Floor and Slab Construction", ACI 305 "Recommended Practice for Hot Weather Concreting", ACI 306 "Recommended Practice for Cold Weather Concreting", ACI 308 "Guide to Curing and CRSI's "Manual of Standard Practice."

D. Comply with MDOT Standard Specifications for concrete work associated with sidewalks.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60, deformed.

B. Plain Steel Wire: ASTM A 82, where noted.

C. Plain-Steel Welded Wire Reinforcement: ASTM A 185, fabricated from as-drawn steel wire into flat sheets. Plain welded wire reinforcement shall have a minimum yield strength of 75,000 psi.

D. Deformed-Steel Welded Wire Reinforcement: ASTM A 497, flat sheet. Deformed welded wire reinforcement shall have a minimum yield strength of 80,000 psi.

E. Portland Cement: ASTM C 150, Type I or II.

F. Fly Ash: ASTM C 618, Type C or F.

G. Aggregates: ASTM C 33, uniformly graded.

H. Air-Entraining Admixture: ASTM C 260.

I. Chemical Admixtures: ASTM C 494, water reducing, high-range water reducing, water reducing and accelerating, and water reducing and retarding as required. Do not use calcium chloride or admixtures containing calcium chloride.

J. Vapor Retarder: Clear 6-mil- thick polyethylene sheet.

K. Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber (Fibre Expansion Joint), or ASTM D 1752, 3/4" thick self-expanding cork by W. R. Meadows, W. R. Grace or approved equal.

L. Slab perimeter joint filler: 1/4" thick polyethylene, closed-cell expansion joint filler (Deck-O-Foam), with pre-scored removable strip to provide a uniform sealing reservoir in the joint, by W. R. Meadows.

M. Perimeter and Under Slab Insulation: Rigid, Foamular 250, extruded polystyrene insulation board as manufactured by Owens Corning or approved equal.

N. Resilient caulk for control joints and expansion joints: Non-priming one component polyurethane sealant as manufactured by Sonneborn or equal.

O. Comply with ACI 301 requirements for concrete mixtures.

P. Normal-Weight Concrete: Prepare design mixes, proportioned according to ACI 301, as follows:

1. Minimum Compressive Strength: Minimum 28 day strength shall be 4000 psi for slabs on grade and sidewalks and 3000 psi other applications unless otherwise noted on plans.
2. Maximum Water-Cementitious Materials Ratio: 0.45
3. Slump Limit: 4 inches or 8 inches for concrete with verified slump of 2 to 4 inches before adding high-range water-reducing admixture or plasticizing admixture plus or minus 1 inch.
4. Air Content: Maintain within range permitted by ACI 301, generally between 5 to 7%. Do not allow air content of floor slabs to receive troweled finishes to exceed 3 percent.

Q. Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M and ASTM C 1116.

1. When air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 CONCRETING

A. Construct formwork according to ACI 301 and maintain tolerances and surface irregularities within ACI 347R limits of Class A, 1/8 inch for concrete exposed to view and Class C, 1/2 inch for other concrete surfaces.

B. Place vapor retarder on prepared subgrade, with joints lapped 6 inches and sealed.

C. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

D. Install construction, isolation, and contraction joints where indicated. Install full-depth joint-filler strips at isolation joints. Where no joints are indicated the following shall be considered minimum:

Construction joints shall be placed such that no single placement exceeds 60 linear feet of wall.

Slabs-on-grade: Saw out joints in slabs where indicated on Drawings or at a minimum spacing of 20' in each direction. Cut to be a depth of "t/4",where t equals the slab thickness in inches, and as narrow as possible, within 48 hours of finishing, to a true straight line.

E. Construction joints shall be formed with keyed bulkheads. Reinforcement shall continue through the joint and additional reinforcement placed as required.

F. Place concrete in a continuous operation and consolidate using mechanical vibrating equipment.

G. Concrete shall be deposited continuously, in horizontal layers of such thickness (not deeper than 18") that no concrete will be deposited on concrete which has hardened sufficiently to cause the formation of seams or planes of weakness within the section. Placing integrated with fresh concrete is still plastic. Concrete which has partially hardened or has been contaminated for foreign materials shall not be deposited. No horizontal construction joints will be allowed in foundation walls.

H. Concrete shall be compacted thoroughly by vibrating to produce a dense, homogeneous mass without voids or pockets. Vibrators should be placed in concrete rapidly so as to penetrate approximately 3" to 4" into the preceding lift so as to blend the two layers. Vibrating techniques must assure that when the coarse aggregate reaches the form, it stops and the matrix fills the voids

I. Protect concrete from physical damage, premature drying, and reduced strength due to hot or cold weather during mixing, placing, and curing.

J. Formed Surface Finish: Smooth-formed finish for concrete exposed to view, coated, or covered by waterproofing or other direct-applied material; rough-formed finish elsewhere.

K. Slab Finishes: Comply with ACI 302.1R for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces. Provide the following finishes:

1. Scratch finish for surfaces to receive mortar setting beds.
2. Float finish for interior steps and ramps and surfaces to receive waterproofing, roofing, or other direct-applied material.
3. Troweled finish for floor surfaces and floors to receive floor coverings, paint, or other thin film-finish coatings.
4. Trowel and fine-broom finish for surfaces to receive thin-set tile.
5. Nonslip-broom finish to exterior concrete platforms, steps, sidewalks and ramps.

L. Cure formed surfaces by moist curing for at least seven days.

M. Begin curing concrete slabs after finishing. Keep concrete continuously moist for at least seven days or apply membrane-forming curing compound to concrete.

N. Protect concrete from damage. Repair surface defects in formed concrete and slabs.

O. Formwork for walls and other parts not supporting the weight of the concrete may be removed as soon as concrete has hardened sufficiently to resist damage from removal operations, but must remain a minimum of three days after the placement of the concrete.

P. No live loads shall be allowed on slabs until the concrete has reached the specified 28-day strength, unless approved in writing by the Engineer.

Q. Splicing of bars and details not covered herein shall be in accordance with the recommendations of "Manual of Standard Practice for Detailing Reinforced Concrete Structures" ACI 315.

3.2 COLD WEATHER CONCRETING

A. Concreting which occurs in cold weather shall comply with ACI 306 "Cold Weather Concreting", latest revision. ACI 306 states "Cold weather is defined as a period when, for more than 3 consecutive days, the following conditions exist:
   1. the average daily air temperature is less than 40° F, and
   2. the air temperature is not greater than 50° F for more than one-half of any 24-hr period.

   The average daily air temperature is the average of the highest and the lowest temperatures occurring during the period from midnight to midnight."

B. Concrete shall be protected from a single freezing cycle until it has attained a compressive strength of at least 500 psi.

3.3 HOT WEATHER CONCRETING

A. Concreting which occurs in hot weather shall comply with ACI 305 "Hot Weather Concreting", latest revision.

B. In hot weather (as defined in ACI 305), the contractor shall be prepared to protect the concrete from the adverse influence of heat on the placement and curing of concrete. Special precautions shall be taken to avoid cracking of the concrete from rapid drying when air temperatures exceed 70° F. For purposes of complying with ACI 305 the critical evaporation rate shall be considered to be 0.2 $lb/ft^2/hr$.

C. In hot weather slabs shall be wet cured.

3.4 SURFACE REPAIRS

A. Remove all honeycombed and other defective concrete down to sound concrete. Dampen area to be patched and area around it to prevent absorption of water from patching mortar. Patching mixture shall be of same sand and cement as used in concrete so as to match color. Final patch shall be flush with finished surface and finished to match surrounding area.

B. Wall ties shall be removed after form removal. Tie holes which shall be exposed shall be patched with mortar mix. Tie holes not exposed in the finished work may be filled with asphalt roofing cement, troweled into holes.

3.5 CONCRETE PENETRATIONS

A. Holes required by various trades shall be cast with sleeves when the concrete is placed unless otherwise approved by the Engineer.

B. Holes required by various trades, and not receiving sleeves shall be cut using a core drilling process or sawing process which produces clean, sharp edges and minimum hole size which can accommodate the required piping, conduit or equipment. Holes shall not be "broken or knocked" through.

3.6 ACCEPTANCE

A. Formed surfaces that are not within tolerances specified and/or inaccurately formed surfaces exposed to view will be rejected and shall be removed and replaced.

B. Concrete exposed to view with defects which adversely affect the appearance of the structure may be repaired if possible. If, in the opinion of the Engineer, the defects cannot be repaired, the concrete may be accepted or rejected in accordance with the decision of the Engineer.

C. Concrete members cast in the wrong location may be rejected if the strength, appearance or function of the structure is adversely affected in the opinion of the Engineer.

END OF SECTION 03300