

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING PERMIT

Permit Number: 081467

Please Read Application And Notes, If Any, Attached

This is to certify that CONGRESS STREET LLC / C Cimind
has permission to Construction of new 1,000 sq enclosed connector between the two existing office buildings
AT 2331 CONGRESS ST 238A A003001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or otherwise dressed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept.	_____
Health Dept.	_____
Appeal Board	_____
Other	_____
Department Name	CITY OF PORTLAND

11/25/05 *[Signature]*
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

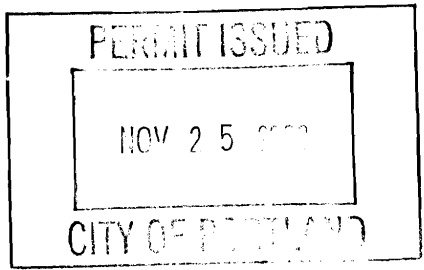
Permit No: 08-1467	Issue Date: 11/25/08	CBL: 238A A003001
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Location of Construction: 2331 CONGRESS ST	Owner Name: CONGRESS STREET LLC	Owner Address: PO BOX 1388	Phone:
Business Name:	Contractor Name: C M Cimino, Inc	Contractor Address: 3 Warren Ave. Westbrook	Phone 2078548876
Lessee/Buyer's Name	Phone:	Permit Type: Amendment to Commercial	Zone:

Past Use: Commercial - "Cross Insurance" amendment to permit#080923	Proposed Use: Commercial - "Cross Insurance" - amendment to permit#080923 Construction of new 1,000 sq ft enclosed connector between the two existing office buildings	Permit Fee: \$4,520.00	Cost of Work: \$450,000.00	CEO District: 3
Proposed Project Description: Construction of new 1,000 sq ft enclosed connector between the two existing office buildings		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: B Type: 2B IBC-2003 Signature: [Signature] 11/25/08	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: Idobson	Date Applied For: 11/17/2008	Zoning Approval		
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: _____	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____
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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 application 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

City of Portland, Maine - Building or Use Permit

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

Permit No: 08-1467	Date Applied For: 11/17/2008	CBL: 238A A003001
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Location of Construction: 2331 CONGRESS ST	Owner Name: CONGRESS STREET LLC	Owner Address: PO BOX 1388	Phone:
Business Name:	Contractor Name: C M Cimino, Inc	Contractor Address: 3 Warren Ave. Westbrook	Phone: (207) 854-8876
Lessee/Buyer's Name	Phone:	Permit Type: Amendment to Commercial	

Proposed Use: Commercial - "Cross Insurance" - amendment to permit#080923 Construction of new 1,000 sq ft enclosed connector between the two existing office buildings	Proposed Project Description: Construction of new 1,000 sq ft enclosed connector between the two existing office buildings
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Dept: Zoning	Status: Approved with Conditions	Reviewer: Chris Hanson	Approval Date: 11/25/2008
Note: Ammendment only no change in use or footprint.			Ok to Issue: <input checked="" type="checkbox"/>
1) see condition sheet on permit #080923			
Dept: Building	Status: Approved with Conditions	Reviewer: Chris Hanson	Approval Date: 11/25/2008
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) This is an ammendment to permit #080923 see original condition sht.			

Comments:
11/18/2008-Idobson: Paid \$2,880.00 on previous permit #080923 applied that fee to this permit changing the canopy from open to close LJD



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: <u>2319 CONGRESS ST. PORTLAND, MAINE</u>		
Total Square Footage of Proposed Structure/Area <u>1000 SQ FT.</u>		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# <u>238</u> Block# <u>AA</u> Lot# <u>3</u>	Applicant * <u>must</u> be owner, Lessee or Buyer* Name <u>CROSS REALTY L.L.C</u> Address <u>2331 CONGRESS ST.</u> City, State & Zip <u>PORTLAND, MAINE 04112</u>	Telephone: <u>1-207-9217-7345</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name <u>SAME</u> Address City, State & Zip	Cost Of Work: \$ <u>450,000.00</u> C of O Fee: \$ Total Fee: \$ <u>1640</u>
Current legal use (i.e. single family) _____ If vacant, what was the previous use? _____ Proposed Specific use: _____ Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>CROSS INSURANCE CONNECTOR.</u>		
Contractor's name: <u>C.M. CIMINO Inc.</u>		
Address: <u>3 WARREN AVENUE</u>		
City, State & Zip <u>WESTBROOK, MAINE 04092</u>		Telephone: <u>854-8876</u>
Who should we contact when the permit is ready: <u>ANTHONY CIMINO</u>		Telephone: <u>838-1000</u>
Mailing address: <u>SAME</u>		

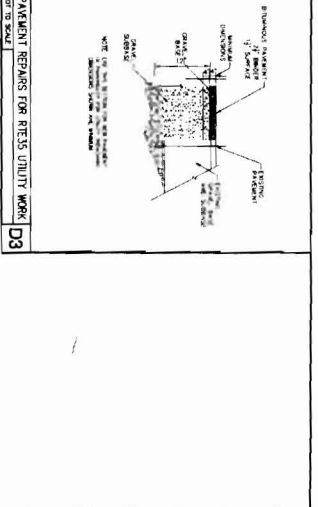
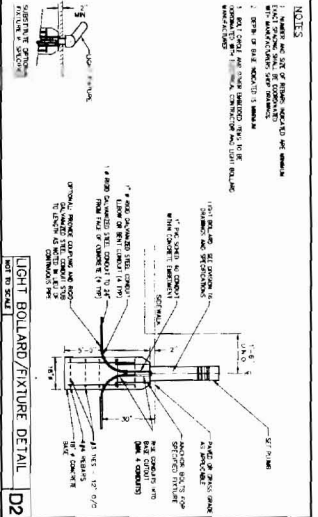
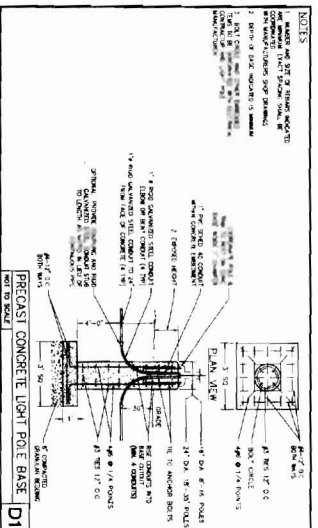
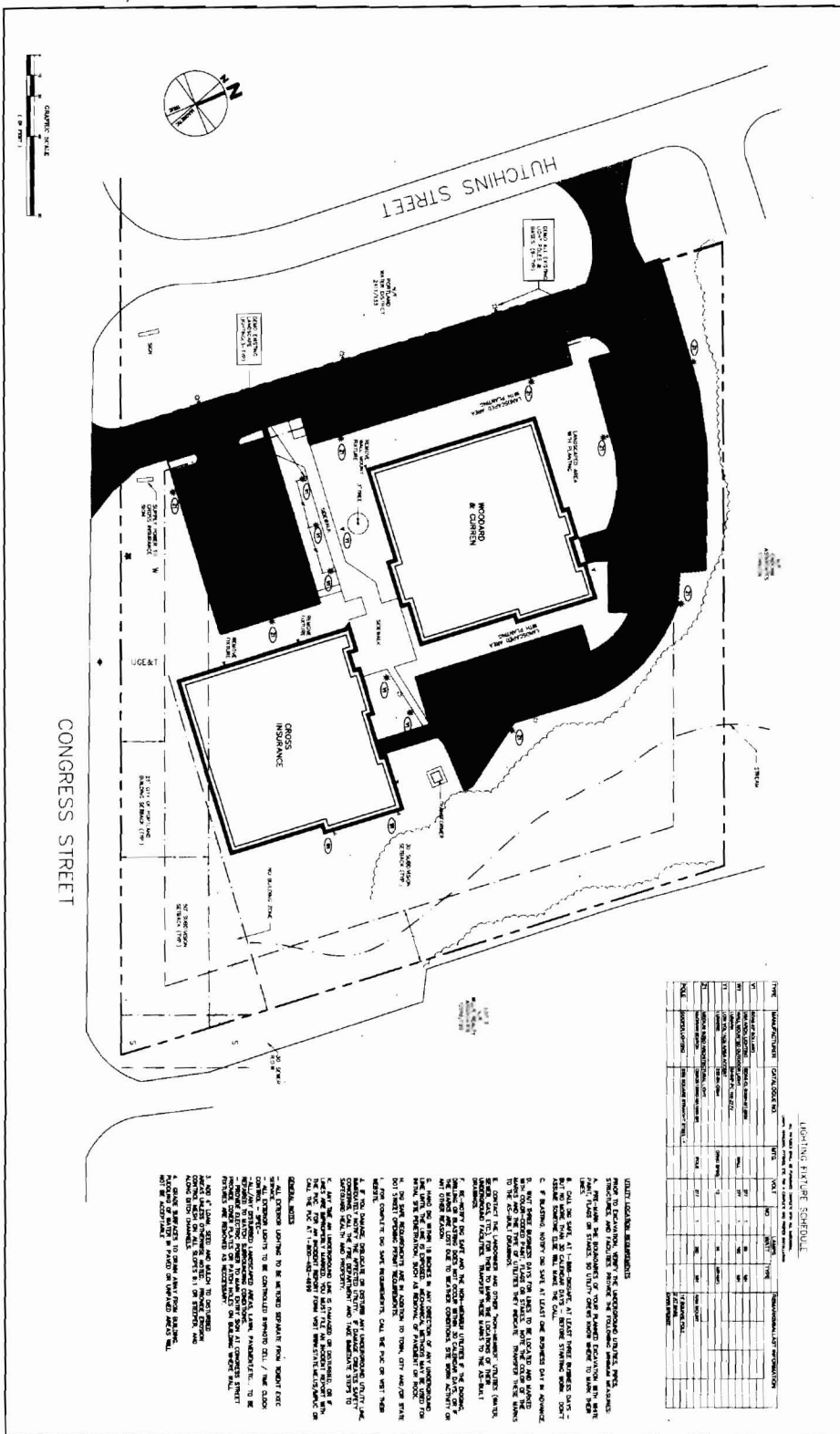
Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

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: Anthony Cimino Date: 11/17/08

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



NOTES

1. ALL NOTES ARE TO BE READ IN CONJUNCTION WITH THE GENERAL NOTES AND SPECIFICATIONS.
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LIGHTING FIXTURE SCHEDULE

NO.	DESCRIPTION	QUANTITY	MANUFACTURER	MODEL	NOTES
1	4000 PSI CONCRETE LIGHT POLE BASE	1			
2	4000 PSI CONCRETE LIGHT BOLLARD / FIXTURE	1			
3	PATENT REPAIRS FOR RITS UTILITY WORK	1			

UTILITY LOCATION REQUIREMENTS

1. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO CONSTRUCTION.

2. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED THROUGHOUT CONSTRUCTION.

3. ALL UTILITIES SHALL BE REPAIRED OR REPLACED AS NECESSARY.

4. ALL UTILITIES SHALL BE TESTED AND APPROVED PRIOR TO CONSTRUCTION.

5. ALL UTILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

6. ALL UTILITIES SHALL BE REPAIRED OR REPLACED AS NECESSARY.

7. ALL UTILITIES SHALL BE TESTED AND APPROVED PRIOR TO CONSTRUCTION.

8. ALL UTILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

9. ALL UTILITIES SHALL BE REPAIRED OR REPLACED AS NECESSARY.

10. ALL UTILITIES SHALL BE TESTED AND APPROVED PRIOR TO CONSTRUCTION.

David J. Billiam
Landscape Architect
1000 N. 10th St.
Annapolis, MD 21403

CROSS INSURANCE
OFFICE BUILDING
1000 N. 10th St.
Annapolis, MD 21403

REVIEW

DATE	REVIEWER	REMARKS
07-20-04	DAVID J. BILLIAM	REVIEW
08-17-04	DAVID J. BILLIAM	REVIEW
09-21-04	DAVID J. BILLIAM	REVIEW

LIGHTING & DEMO PLAN

1000 N. 10th St.
Annapolis, MD 21403

L10.1

From: Robert Foster <rfosterme@earthlink.net>
To: <csh@portlandmaine.gov>
Date: 11/18/2008 3:55:34 PM
Subject: Cross Insurance Connector - Area Adjustments

Chris,

Attached is a work sheet illustrating the actual existing building areas, the proposed size of the addition and the allowable building areas per the 2006 IBC.

I recently took detailed measurements of the existing buildings to generate the existing building plans and derived the existing square foot totals from this information. The areas are based upon measurements taken from outside edges of the exterior walls.

The allowable building is derived from the allowable tabulated area on IBC Table 503 increased by the allowable increase for building frontage. The resultant total allowable area is 32,154 sq. ft. per story.

I should have included this information on the drawings. Sorry for any confusion this may have caused.

Thanks.

Bob Foster
Architect

CC: Anthony Cimino <acimino@cmciminoinc.com>

AREA TABULATIONS

PROJECT: Cross Insurance Connector Project

LOCATION: Portland, Maine

Use Classification – “B” Business

Construction Type – “Type 2B”

Actual Area

Existing Bldg. #1	11,332 sq. ft.
Existing Bldg. #2	11,279 sq. ft.
<u>Proposed Connector</u>	<u>1,188 sq. ft.</u>
Total	23,799 sq. ft.

Allowable Area (Table 503 + area modifications per section 506)

Aa = Allowable area per story

At = Tabular area per story per Table 503

$Aa = \{At + (At \times If) + (At \times Is)\}$

$Aa = \{23,000 + (23,000 \times 0.398) + (23,000 \times 0)\}$

$Aa = 23,000 + 9,154 + 0$

Aa = 32,154 sq. ft.

$If = [F/P - 0.25] W/30 = (\text{Increase Factor due to Frontage})$

P = Total Bldg. Perimeter = 884 feet


F = Bldg. Perimeter with Frontage = 662 feet


W = Width of accessible Frontage = 24 feet

$If = [662/884 - 0.25] 24/30$

If = 0.398

Is = 0 = (Increase Factor due to Sprinklers)

		View Permit		Add		Delete		Save		Close	
Date	02/21/2008	Time		Inspector	Jon Rioux			Total Outstanding	\$0.00		
Appl. Type	Food Service							Census Tract	19		
Type	Food Service Inspection										
Bus. Name	SIANOS										
Parcel Id:	135 E012001	Address:	476	STEVENS AVE	District Nbr:	5					

		Add Outcome	
Score:	100	Status:	Passed
		Next Insp Due By:	02/20/2009
Notes:	Opening Inspection.		
		Created By:	jrioux
		Mod By:	
		Create Date:	03/25/2008
		Mod Date:	

CreatedBy	jrioux	CreateDate	03/25/2008	ModBy	jrioux	ModDate	03/25/2008
		CreateTime	9:09 am			ModTime	9:10 am

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se [Print Invoice](#)

Is a
special
equipment
required? No

Are
special
tools
required? No

[New Inspection](#)

[Violation
this Inspection](#)

[Violations
All Inspections](#)





Certificate of Design Application

From Designer:

STEVEN R. GRANT

SRG ENGINEERING, INC.

Date:

11-14-08

PO BOX 925
GRAY, ME 04039

Job Name:

CROSS INSURING CONNECTION

Address of Construction:

2331 CONGRESS ST.

2003 International Building Code

Construction project was designed to the building code criteria listed below:

1/10/08 CHECK WITH MEMBERS

Building Code & Year IBC 2003 Use Group Classification (s) BUSINESS Group B

Type of Construction TYPE IIB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC NO

Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) N/A

Supervisory alarm System? YES Geotechnical/Soils report required? (See Section 1802.2) NO - per city Portland

Structural Design Calculations

N/A Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Floor Area Use	Loads Shown
<u>N/A</u>	<u>N/A</u>

- N/A Live load reduction
- 0 Roof live loads (1603.1.2, 1607.11)
- 46 psf Roof snow loads (1603.7.3, 1608)
- 60 psf Ground snow load, P_g (1608.2)
- 46 psf If $P_g > 10$ psf, flat-roof snow load P_f
- 1.0 If $P_g > 10$ psf, snow exposure factor, C_e
- 1.0 If $P_g > 10$ psf, snow load importance factor, I_s
- 1.1 Roof thermal factor, C_t (1608.4)
- N/A Sloped roof snowload, P_s (1608.4)
- B Seismic design category (1616.3)
- OMF Basic seismic force resisting system (1617.6.2)
- 3.0, 3.0 Response modification coefficient, R , and deflection amplification factor, C_d (1617.6.2)
- ELF Analysis procedure (1616.6, 1617.5)
- 3.2K Design base shear (1617.4, 1617.5.1)

Wind loads (1603.1.4, 1609)

- 1609.1.1 Design option utilized (1609.1.1, 1609.6)
- 100 mph Basic wind speed (1809.3)
- II, 1.00 Building category and wind importance Factor, I_w table 1604.5, 1609.5)
- B Wind exposure category (1609.4)
- ± 0.18 Internal pressure coefficient (ASCE 7)
- 2.5 psf Component and cladding pressures (1609.1.1, 1609.6.2.2)
- 15 psf Main force wind pressures (1603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

- ELF Design option utilized (1614.1)
- I Seismic use group ("Category")
- 0 Spectral response coefficients, S_D & S_{D1} (1615.1)
- 0 Site class (1615.1.5) Assumed

$S_D = 0.33$
 $S_{D1} = 0.129$

Flood loads (1803.1.6, 1612)

- N/A Flood Hazard area (1612.3)
- N/A Elevation of structure

Other loads

- N/A Concentrated loads (1607.4)
- N/A Partition loads (1607.5)
- N/A Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



Certificate of Design

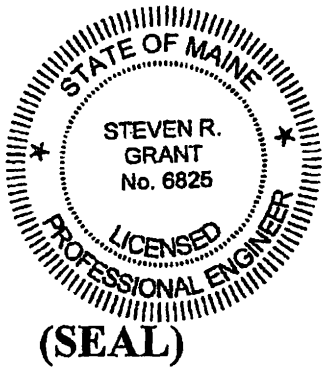
Date: NOVEMBER 14, 2008

From: STEVEN R. GRANT, P.E.

These plans and / or specifications covering construction work on:

CROSS INSURANCE CONNECTION

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



Signature: *SRG*

Title: President

Firm: SRG ENGINEERING, INC.

Address: PO BOX 925
GRAY, ME 04039

Phone: 207-657-7323

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



Certificate of Design

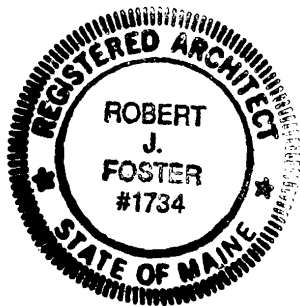
Date: 11/17/08

From: ROBERT J. FOSTER - ARCHITECT

These plans and / or specifications covering construction work on:

CROSS INSURANCE CONNECTOR

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



(SEAL)

Signature: [Handwritten Signature]

Title: ARCHITECT

Firm: —

Address: 36 GROVESIDE RD.
PORTLAND, ME 04102

Phone: 761-3822

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



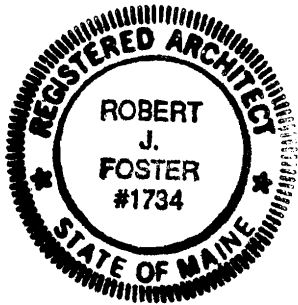
Accessibility Building Code Certificate

Designer: 11/17/08

Address of Project: 2331 CONGRESS ST.

Nature of Project: CROSS INSURANCE
CONNECTOR

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.



(SEAL)

Signature: [Handwritten Signature]

Title: ARCHITECT

Firm: -

Address: 36 GROVESIDE RD.

PORTLAND, ME 04102

Phone: 761-3822

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

Statement of Special Inspections

Project: *Cross Insurance Connector*
Location: *2331 Congress Street, Portland, ME*
Owner: *C.M. Cimino, Inc.*

Design Professional in Responsible Charge: *Steven R. Grant, P.E. with SRG Engineering, Inc.*

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

- Structural Mechanical/Electrical/Plumbing
 Architectural Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency: *NONE, FINAL ONLY* or per attached schedule.

Prepared by:

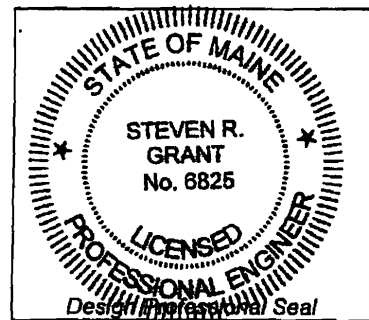
Steven R. Grant
(type or print name)

[Handwritten Signature]

Signature

11-17-08

Date



Owner's Authorization:

Building Official's Acceptance:

Signature

Date

Signature

Date

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|---------------------------------------------------------------|----------------------------------------------------------------|
| <input checked="" type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input checked="" type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Wood Construction |
| <input type="checkbox"/> Precast Concrete | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry | <input type="checkbox"/> Mechanical & Electrical Systems |
| <input checked="" type="checkbox"/> Structural Steel | <input type="checkbox"/> Architectural Systems |
| <input checked="" type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Special Cases |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator Steven R. Grant	SRG Engineering, Inc.	P.O. Box 925 Gray, ME 04039 207-657-7323 Fax: 657-7342
2. Inspector		
3. Inspector		
4. Testing Agency Roger Domingo or Craig Turcotte	S.W. Cole Engineering, Inc.	286 Portland Road Gray, ME 04039 207-657-2866 Fax: 657-2840 rdomingo@swcole.com
5. Testing Agency		
6. Other		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

**R.D.P./Special Inspections Coordinator (SRG Engineering, Inc.) is being retained by the Contractor, C.M. Cimino, Inc.

Quality Assurance Plan

Quality Assurance for Seismic Resistance

Seismic Design Category *B*
Quality Assurance Plan Required (Y/N) *N, SDC=B*

Description of seismic force resisting system and designated seismic systems:

Ordinary moment frames in each direction.

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) *100*
Wind Exposure Category *B*
Quality Assurance Plan Required (Y/N) *N, <120mph*

Description of wind force resisting system and designated wind resisting components:

Ordinary moment frames in each direction.

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a **Statement of Responsibility**.

THIS HAS BEEN COMMUNICATED TO ROBERT FOSTER, ARCHITECT VIA EMAIL 17NOV08.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
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International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector
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Other

Item	Agency # (Qualif.)	Scope
1. Shallow Foundations	PE/GE (4)	<p><i>Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.</i></p> <p><i>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill</i></p>
2. Controlled Structural Fill	PE/GE (4)	<p><i>Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i></p> <p><i>Inspect placement, lift thickness and compaction of controlled fill.</i></p> <p><i>Test density of each lift of fill by nuclear methods (ASTM D2922)</i></p> <p><i>Verify extent and slope of fill placement.</i></p>
3. Deep Foundations NOT APPLICABLE	PE/GE	<p><i>Inspect and log pile driving operations. Record pile driving resistance and verify compliance with driving criteria.</i></p> <p><i>Inspect piles for damage from driving and plumbness.</i></p> <p><i>Verify pile size, length and accessories.</i></p> <p><i>Inspect installation of drilled pier foundations. Verify pier diameter, bell diameter, lengths, embedment into bedrock and suitability of end bearing strata.</i></p>
4. Load Testing NOT APPLICABLE		
4. Other:		

Cast-in-Place Concrete

Item	Agency # (Qualif.)	Scope
1. Mix Design	1, 4 ACI-CCI ICC-RCSI	Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.
2. Material Certification		
3. Reinforcement Installation	4 ACI-CCI ICC-RCSI	Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters
4. Post-Tensioning Operations NOT APPLICABLE	ICC-PCSI	Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations.
5. Welding of Reinforcing NOT APPLICABLE	AWS-CWI	Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel. Inspect preheating of steel when required.
6. Anchor Rods	4	Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.
7. Concrete Placement	4 ACI-CCI ICC-RCSI	Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.
8. Sampling and Testing of Concrete	4 ACI-CFTT ACI-STT	Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).
9. Curing and Protection	4 ACI-CCI ICC-RCSI	Inspect curing, cold weather protection and hot weather protection procedures.
10. Other:		

Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	① AWS/AISC- SSI ICC-SWSI	Review shop fabrication and quality control procedures.
2. Material Certification	①, ④ AWS/AISC- SSI ICC-SWSI	Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes
3. Open Web Steel Joists NOT APPLICABLE		Inspect installation, field welding and bridging of joists.
4. Bolting	④ AWS/AISC- SSI ICC-SWSI	Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-critical connections.
5. Welding	④ AWS-CWI ASNT	Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds. Ultrasonic testing of all full-penetration welds.
6. Shear Connectors NOT APPLICABLE	AWS/AISC- SSI ICC-SWSI	Inspect size, number, positioning and welding of shear connectors. Inspect suds for full 360 degree flash. Ring test all shear connectors with a 3 lb hammer. Bend test all questionable studs to 15 degrees.
7. Structural Details	①, ④ PE/SE	Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.
8. Metal Deck	④ AWS-CWI	Inspect welding and side-lap fastening of metal roof and floor deck.
9. Other:		

Cold-Formed Steel Framing

Item	Agency # (Qualif.)	Scope
1. Member Sizes	1	
2. Material Thickness	1	
3. Material Properties	1	
4. Mechanical Connections	1	
5. Welding	<i>NOT APPL.</i>	
6. Framing Details	1	
7. Trusses	<i>NOT APPL.</i>	
8. Permanent Truss Bracing	<i>NOT APPL.</i>	
9. Other:		



New Commercial Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

One (1) complete Set of construction drawings must include:

Note: Construction documents for costs in excess of \$50,000.00 must be prepared by a Design Professional and bear their seal.

- Cross sections w/framing details
- Detail of any new walls or permanent partitions
- Floor plans and elevations
- Window and door schedules
- Foundation plans with rebar specifications and required drainage and damp proofing (if applicable)
- Detail egress requirements and fire separations
- Insulation R-factors of walls, ceilings, floors and U-factors of windows as per the IEBC 2003
- Complete the Accessibility Certificate and The Certificate of Design
- A statement of special inspections as required per the IBC 2003
- Complete electrical and plumbing layout.
- Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review.
- Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".
- Per State Fire Marshall, all new bathrooms must be ADA compliant.

Separate permits are required for internal & external plumbing, HVAC and electrical installations.

Nine (9) copies of the minor (< 10,000 sf) or major (> 10,000 sf) site plan application is required that includes:

- A stamped boundary survey to scale showing north arrow, zoning district and setbacks to a scale of $\geq 1" = 20'$ on paper $\geq 11" \times 17"$
- The shape and dimension of the lot, footprint of the proposed structure and the distance from the actual property lines. Photocopies of the plat or hand draw footprints not to scale will not be accepted.
- Location and dimensions of parking areas and driveways, street spaces and building frontage
- Finish floor or sill elevation (based on mean sea level datum)
- Location and size of both existing utilities in the street and the proposed utilities serving the building
- Existing and proposed grade contours
- Silt fence (erosion control) locations

Fire Department requirements.

The following shall be submitted on a separate sheet:

- Name, address and phone number of applicant **and** the project architect.
- Proposed use of structure (NFPA and IBC classification)
- Square footage of proposed structure (total and per story)
- Existing and proposed fire protection of structure.
- Separate plans shall be submitted for:
 - a) Suppression system
 - b) Detection System (separate permit is required)
- A separate Life Safety Plan must include:
 - a) Fire resistance ratings of all means of egress
 - b) Travel distance from most remote point to exit discharge
 - c) Location of any required fire extinguishers
 - d) Location of emergency lighting
 - e) Location of exit signs
 - f) NFPA 101 code summary
- Elevators shall be sized to fit an 80" x 24" stretcher.

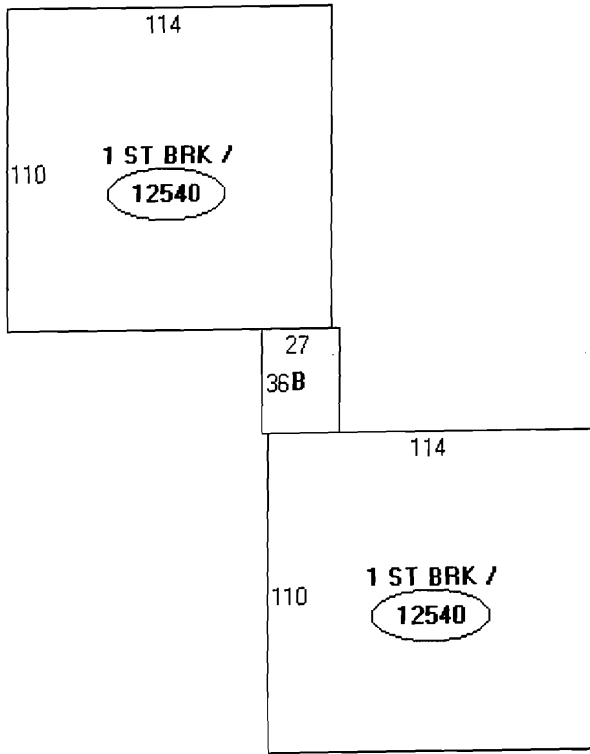
For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.

Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.

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.

Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$10.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.



Descriptor

A: 1 ST BRK
12540 sqf

B: CANOPY
972 sqft

C: 1 ST BRK
12540 sqf

26,052

Table 503

Allows up to
23,000

OUTLINE SPECIFICATION

Project: Cross Insurance Building Connector

Location: Portland, Maine

Date: 11/14/08

Section 01010 – Summary of Work

- a. Construction of a new 1,000 sq. ft. enclosed connector between the two existing office buildings.
- b. The General Contractor shall provide design build services for all mechanical/plumbing and electrical portions of the project
- c. The General Contractor shall be responsible for obtaining any & all required permits to construct the project and paying any & all impact fees that may be associated with the project.

Section 01300 – Submittals

- a. Shop drawings – Detailed shop drawings (including; drawings, product data, and samples) shall be provided for review as required. A minimum of four (4) copies shall be submitted for review.

Section 01500 – Temporary Facilities

- a. Sanitary Facilities – Existing toileting facilities are present in the building and may be used by the Contractor and their forces.
- b. Heat – The Contractor shall provide and maintain any temporary heating equipment as may be required. The interior of building shall have a temporary of approx. 60 deg. F for spackling of GWB, installation of wood finishes, installation of carpet and interior decoration. Existing heat and air shall be maintained to existing building tenant throughout course of project.
- c. Temporary stairs, ladders, ramps, hoists, scaffolding – Provide and maintain all necessary means of access as above listed or as required for proper execution of the work. Such work shall comply with the requirements of applicable Federal, State and Local laws and requirements.
- d. Demolition/Debris removal – It is the responsibility of the Contractor to make all required arrangements for the legal disposal of all debris generated from this project. The Contractor shall keep the building and site clean at all times and maintain safe access to and from the site for current building tenants.

Section 01700 – Project Closeout

- a. Clean up – The Contractor shall provide a thoroughly cleaned facility at the conclusion of the project. Use only cleaning materials and methods recommended by the manufacturer of the surface material to be cleaned.
- b. Transmission of extra material – The Contractor shall transfer extra material, i.e. flooring tiles, ceiling tiles, paint, etc... as define in the specifications.
- c. Maintenance data and instructional manuals – The Contractor shall transfer all required maintenance and instruction manuals.
- d. Guarantees and Warrantees – The Contractor shall transfer all required guarantees and warrantees to Owner at the conclusion of the project.
- e. Final Inspection – A final inspection shall be performed at the conclusion of the project by the Owner and the Architect. The issuance of the Certificate of Substantial completion and final payments shall be subject to the completion of the items generated during the final inspection.

Section 05400 – Cold Formed Metal Framing

- a. Manufacturers: Cold Formed Metal Framing – Dietrich Industries, Inc., MarinoWare or Unimast, Inc. Exterior Gypsum Sheathing Board – Dens-Glass Gold; Georgia Pacific Corp.
- b. Materials: Steel sheet – ASTM A 653/A 653M, structural steel zinc coated of grade and coating as follows: Grade – As required by structural performance. Coating G60.
- c. Steel studs: Manufacturer’s standard C shaped steel studs, of web depths indicated, punched, with stiffened flanges, complying with ASTM C 955. Minimum uncoated steel thickness: 18 gage (not less than 0.0428 inches). Flange width: 2 inches. Sizes: as required for specified design requirements, but not less than indicated on Drawings.
- d. Steel Track: Manufacturer’s U shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, complying with ASTM C 955. Minimum uncoated steel thickness: Not less than steel studs in material, gage and finish. Flange width: 1 ¼ inches minimum.
- e. Single Deflection Track: Manufacturer’s single, deep leg, U-shaped steel track; unpunched, with unstiffened flanges, of web depth to contain studs while allowing free vertical movement, with flanges designed to support horizontal and lateral loads. Minimum uncoated steel thickness: Not less than steel studs in material, gage and finish. Flange: not less than 2 inches to allow for ¾ inch deflection.
- f. Bridging: Minimum uncoated steel thickness: Not less than steel studs in material, gage and finish. Shape: Cold formed channel section. Size: 1 ½ inches web depth.
- g. Deflection Brackets: VertiClip; Signature Industries. Construction: Slotted galvanized steel angle with step bushing to prevent over tightening of fasteners. Vertical Deflection: 2 inches total travel. Series: SL, SDL, SLB, and SLS as required by attachment condition.
- h. Anchors, Clips and Fasteners: Provide required or indicated items; provide galvanized fasteners for assemblies having galvanized major steel components. Power actuated anchors: Fastener system of type suitable for application indicated, fabricated from corrosion resistant materials, with capability to sustain, without failure, a load equal to 10 times design load, as determined by testing per ASTM E 1190 conducted by a qualified independent testing agency. Welding Electrodes: Comply with AWS standards.
- i. Exterior Sheathing: Extended weather resistant gypsum sheathing board - Type X, 5/8 inch thick, 48”x 96”, fiberglass facer surface that does not support mold growth. Fasteners – Steel drill screws, ASTM C 954, in length recommended by sheathing manufacturer for thickness of sheathing board to be attached, with organic-polymer or other corrosion-protective coating having a salt spray resistance of more than 800 hours according to ASTM B 117.

Section 06100 – Rough Carpentry

- a. Lumber Standards – Furnish lumber manufactured to comply with PS 20 “American Softwood Lumber Standard” and with applicable grading rules of inspection agencies certified by American Lumber Standards Committee’s (ALSC) Board of Review.
- b. Light Framing – 2 inch to 4 inch thickness – Provide SPF No. 2 grade or better
- c. Light Framing/Pressure Treated 2 inch to 4 inch thickness, all widths – Provide the following Grade and Species for Pressure Treated lumber: No. 2 for framing, No. 3 for blocking, Southern Pine, per SPIB rules

Section 06200 – Finish Carpentry

- a. Quality Standard – AWI quality standard – “Architectural Woodwork Quality Standards” of the Architectural Woodwork Institute for grades of interior architectural woodwork, construction, finishes, and other requirements.
- b. Softwood Trim – Species: Eastern white pine (NELMA). Grade: Select. Texture: Surfaced (smooth). Solid lumber stock.
- c. Hardwood Trim – Species for transparent finish: Maple, plain sawn selected for compatible grain and color. Species for painted finish: Poplar, plain sawn. Texture: Surfaced (smooth). Solid lumber stock.

- d. Wood Molding Patterns – Provide stock moldings made to patterns indicated. Transparent finish – N Grade. Moldings for painted finish – P Grade.

Section 07200 – Insulation

- a. Building and Sound Attenuation Insulation – Unfaced mineral fiber blanket/batt insulation per ASTM C 665. Insulation to be provided by Certainteed, Owens Corning, Johns Manville or equal.
- b. Perimeter & Under slab Insulation – Extruded Polystyrene Board Insulation, ASTM C578, Type IV, 1.60 lb./cu. ft. Styro Foam by Dow Chemical, Formular 250 by Owens Corning, Amofam by Tenneco Building Products or equal. Stryfoam Mastic No. 11 by Dow or equal.
- c. Rigid Insulation – Rigid, cellular thermal insulation with glass fiber reinforced polyisocyanurate closed cell foam core and trilaminate aluminum foil face laminated to both sides. Celotex Tuff, Johns Manville Barrier Board or equal.
- d. Foam In Place Insulation – On site foam in place insulation Froth-Pac 1.75-25 FS Class 1 foam manufactured by Insta-Foam Products, Inc. or equal.
- e. Vapor Barrier – ASTM D 4397, 6.0 mil thick polyethylene, with a maximum permeance rating of 0.13 perms. Use pressure sensitive tape of type recommended by vapor retarder manufacturer for sealing all joints and penetrations.
- f. Insulation Support Anchors – Insul-Fast 25 gauge galvanized continuous metal support strip with prepunched tables at 8 inches on center.
- g. Commercial Wind Infiltration Barrier – Tyvex.

Section 07531 – EPDM Roofing Membrane and Roof Insulation

- a. Provide fully adhered EPDM single ply membrane roof system by Carlisle SynTec Incorporated, Firestone Building Products Co. or GlenFlex Roofing Systems.
- b. EPDM Roofing Membrane: ASTM D 4637, Type 1, nonreinforced uniform flexible sheet made from EPDM. Thickness: 60 mils, nominal. Exposed Face Color: Black.
- c. Sheet Flashing: 60 mil thick EPDM, partially cured or cured, according to application.
- d. Bonding Adhesive: Manufacturer's standard bonding adhesive.
- e. Sheet Seaming System: Manufacturer's standard splice tape for sealing lapped joints, including edge sealer to cover exposed spliced edges as recommended by membrane manufacturer.
- f. Lap Sealant: Manufacturer's standard single-component sealant.
- g. Membrane Adhesive: As recommended by membrane manufacturer for particular substrate and project conditions, formulated to with stand minimum 90 psf uplift force.
- h. Water Cutoff Mastic: Manufacturer's standard butyl mastic sealant.
- i. Metal Termination Bars: Manufacturer's standard predrilled stainless steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- j. Miscellaneous Accessories: Provide preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, in seam sealants, termination reglets, cover strips and other accessories.
- k. Roof Walkways shall be pre-molded 2'-6" x 2'-6" rubber walkways as supplied by the membrane manufacturer (to roof top mechanical unit).
- l. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, felt or glass fiber mat facer on both major surfaces, CAN/ULC S770 Grade 2, 20 psi minimum, LTTR R-values. Polyiso HP-H by Carlisle SynTec Incorporated or equal. Provide roofing manufacturer's required insulation for total system warranty.
- m. Tapered Insulation: Provide factory tapered insulation boards fabricated to slope of ¼ inch per 12 inches, unless otherwise indicated. Tapered insulation shall meet requirements specified for board roof insulation. Tapered insulation shall be manufactured by same manufacturer of board roof insulation.
- n. Warranty: Roofing Contractor shall furnish to the Owner the manufacturer's standard form, without monetary limitation, in which manufacturer agrees to repair or replace components of

membrane roofing system that fail in materials or workmanship within specified warranty period. Failure includes roof leaks. The maximum wind speed coverage shall be peak gusts of 72 mph measured at 10 meters above ground level. Special warranty include roofing membrane, base flashings, roofing membrane accessories, roof insulation, fasteners, walkway products, and other components of the membrane roofing system. Warranty Period: 15 years from date of Project Substantial Completion.

Section 07600 – Flashing and Sheet Metal

- a. Miscellaneous flashings – 16 oz. cold rolled tempered copper conforming to ASTM B101, type 1, Class A. Fasten with copper or bronze nails, min. 12 gauge, strong hold type with large flat heads and needle points and body of sufficient length to penetrate wood not less than 7/8 inches.
- b. Fascias, Drip edges, etc... - Aluminum shop formed, .040 inches thick in shapes and sizes at detailed on Drawings. Finish shall be premium fluorocarbon coating with KYNAR 500 resin. Finish shall conform to AAMA 605.2-80, and applied by licensed applicator. Color shall be as selected by Architect.

Section 07900 – Joint Sealants

- a. General Purpose Exterior Sealant (non masonry) – Polyurethane ASTM C920, Type S, Grade NS, Class 25, single component. Sonolastic NP-1 by Sonneborne or equal.
- b. General Purpose Exterior Sealant (masonry) – Polyurethane ASTM C920, Type M, Grade NS, Class 25, two component. Sonolastic NP-2 by Sonneborne or equal.
- c. General Purpose Interior Sealant – Acrylic emulsion latex ASTM C834, single component, paintable. Tremco Acrylic Latex or equal.
- d. General Purpose Interior Sealant (toilet fixtures, counters) – Acrylic emulsion latex ASTM C920, uses M and A, single component, mildew resistant. Sanitary 1700 by GE Silicones or equal.

Section 08100 – Doors and Frames

- a. Metal Frames for Doors, transoms, sidelights and other openings – Welded or knocked down frames shall be 16 gauge, cold rolled prime quality galvanized steel. Frames shall be bonderized and have baked-on prime coat of paint by Ceco, Curries, Steelcraft or equal. Provide 4 anchors per jamb consisting of 3 wall anchors and 1 floor anchor. Provide 3 door silencers on strike jambs of single doors and 2 silencers on head of double door frames.
- b. Wood Doors – Provide 1 3/4 inch thick solid core wood doors by Algoma, Eggers, Marshfield Door or equal. Doors shall be 5 ply construction with type I adhesive for core construction and veneer plies. Facing shall be “A” grade rotary cut, natural maple for stained finish.
- c. Glazing Beads – For metal door beads shall be cold rolled sheet steel, 18 gauge minimum, mitered and welded corners with countersunk mounting holes and Shop primed finish. For wood door beads shall be solid wood of same species as door facing and mitered corners.

Section 08400 – Aluminum Storefront and Entrances

- a. Storefront Framing – Provide 451 T Thermal Framing system by Kawneer at the exterior locations and 451 Framing system by Kawneer at interior vestibules. Exterior Framing system to have SSG (structural glazing) vertical members and SSG 90 degree outside corners. Framing shall be provided with internal steel reinforcing necessary to wind load criteria.
- b. Doors and Framing – Provide 451 T Thermal Framing system with wide stile entrance doors by Kawneer. Provide door reinforcement for closers. Furnish the following hardware for each operable door leaf:
 - 1 Hinge: heavy duty continuous geared hinge; finish to match door
 - 1 Exit Device: Sargent 80 Series; Cylinder dogging; no outside trim, exterior cylinder only. Provide concealed vertical rod exit device at paired doors

- 1 Pull: 1 inch diameter, offset 12 inch pull.
- 1 Closer: LCN 4040; Drop plat; Cush and stop arm for back to back leaves.
- 1 Set Weatherstripping: Manufacturer's standard.
- 1 Threshold: Manufacturer's standard.
- Cylinders.

Refer to section 08800 for glazing.

- c. Project Location Wind loads – 22 psf.

Section 08710 – Finish Hardware

- a. Hinges – Standard weight average frequency FBB line by Stanley or equal by McKinney or Bommer. Solid brass or bronze, five knuckle, flush ball bearing design. Provide 3 hinges for each door leaf.
- b. Locksets – Heavy duty Cylinder Locksets. 10 line series by Sargent with LNL style levers, or equal.
- c. Exit Devices – 8800 series rim devices by Sargent. Lever design shall match lock trim.
- d. Door Closers – Door closers shall have sully hydraulic, full rack and pinion action. Cylinder body shall be 1 ½ in. diameter heat treated pinion shall be 11/16 in. diameter. All closers shall solid forged steel main arms and forged forearms for parallel arm closers. Closers shall be by Sargent or LCN.
- e. Door Stops – Provide Ives 436B and 438B dome type floor stops or equal by Rockwood or Glynn Johnson.
- f. Push Plates – Push plates shall be 4 in. x 16 in. x .050 in. thickness stainless steel. Rockwood 70 Series or equal.
- g. Door Pulls – Door pulls shall be 1 in. x 10 in. Type A: Rockwood BF111, Burns BF26C or Quality BF163-10". Type B: Rockwood 157, Burns 39C or Quality 521.
- h. Protective Plates – Kick plates shall be 8 in. high by 1 ½ in. less door width. Plates shall by .050 thickness, stainless steel, bevel 4 edges, screws shall be oval head counter sunk.
- i. Threshold – Flat extruded aluminum threshold, ½ in. high with beveled edges and corrugated surfaces. Set thresholds in a full bed of sealant.
- j. Weatherstripping – As required for exterior doors.
- k. Silencers – Provide silencers on all metal and wood frames. Silencers shall be Ives 20/21, Glynn Johnson 64/65, or Rockwood 608/609.
- l. Keying – Per instructions by Owner.
- m. Finishes – All items shall be furnished in Polished Brass finish.

Section 08800 – Glazing

- a. Tempered Safety Glass – ASTM C1048 fully tempered, Condition A uncoated, Type 1 transparent flat, Class 1 clear, Quality q3 glazing select conforming to ANSI Z97.1, 1/4 inch thick.
- b. Low – E insulated glass units: Uncoated insulating glass units complying with ASTM E 773 and E 774; double pane with glass elastomer edge seal; inner and outer panes of 1/4 inch glass; total unit thickness of 1 inch minimum.
 - 1. Interspace Content: Argon.
 - 2. Outdoor Lite: Class 1 tinted (gray) float glass.
 - a. Kind FT fully tempered.
 - 3. Indoor Lite: Class 1 (clear) float glass.
 - a. Kind FT fully tempered.
 - 4. Low-E Coating: Sputtered coated on third surface.
 - 5. Winter U-Value: 0.28.

Section 09250 – Gypsum Board Assemblies

- a. Steel Framing for Walls and Partitions – Steel framing and furring shall be by Dietrich Industries, Marino/Ware or equal. Provide steel framing members complying with ASTM A 653, G 40 (ASTM A 653M, Z 90) hot dipped galvanized coating.
- b. Steel Studs and Runners – ASTM C 645 with flange edges of studs bent back 90 degrees and doubled to form 3/16 inch wide min. lip. Thickness shall be 25 gauge for studs less than 3 5/8 inches deep, 22 gauge for studs 3 5/8 inches deep and 20 gauge for studs 6 inches deep.
- c. Deep Leg Deflection Track – ASTM C 645 top runner with flanges to allow 1 ½ inches at roofs.
- d. Steel Furring Channels – ASTM C 645, hat shaped, 25 gauge with a depth of 7/8 inches.
- e. Gypsum Board and Related Products – Shall be provided by Domtar, U.S. Gypsum Co., Georgia Pacific Corp., National Gypsum Co. or equal.
- f. Gypsum Wallboard – ASTM C 36 type “X” for 5/8 inch thickness with tapered edges.
- g. Corner Bead – 1 1/4 inch x 1 1/4 inch galvanized steel external corner with 1/8 inch nose bead.
- h. Casing Bead – 30 gauge galvanized steel channel-type casing with 1/16 inch nose bead ground and knurled flange for joint compound finishing.
- i. Control Joint – One piece control joint formed with V-shaped slot and removable strip covering slot opening.
- j. Joint Treatment Materials – Provide joint treatment material complying with ASTM C 475 and the recommendations of both the manufacturers of the sheet products and of joint treatment materials for each application indicated. Use paper reinforcing tape (fiberglass tape not permitted).

Section 09300 – Tile

- a. Floor Tile – (Lobby/Entry) Highland Ridge Porcelain Floor Tile by American Olean. Porcelain, unpolished finish, 12”x12” and 18”x18” tile. Provide 2 colors in patterns indicated by the Architect.
- b. Thin-set Installations – Latex-Portland Cement Mortar and Grout. Factory prepared thin-set mortar consisting of Type 1 Portland cement and fine aggregate blended with acrylic latex liquid additive conforming to ANSI A 118.4.
- c. Elastomeric Sealants – Provide manufacturer’s standard chemically curing, elastomeric sealants of base polymer indicated that comply with requirements of Section 07900 - Joint Sealants, including ASTM C 920 as referenced Type, Grade, Class and Uses.
- d. Metal Edge Strips – Anodized aluminum, Schluter – RENO – V with adjustable transition arm.

Section 09510 – Acoustical Panel Ceilings

- a. Acoustical Tiles – Acoustical tile ceilings shall be provided by Armstrong Ceiling tiles shall 24 inch x 24 inch x 3/4 inch, Ultima Vector by Armstrong with Fine Texture and ¼” reveal.
- b. Metal Suspension System – The metal suspension system shall be equal to the Prelude 15/16 inch Exposed Tee System (7300 series) by Armstrong.

Section 09900 – Painting

- a. Gypsum Board – Semigloss, Acrylic Enamel Finish: 2 finish coats over a primer. Primer – Sherwin Williams PrepRite 200 latex primer B28W200 Series. Finish coats – Sherwin Williams ProMar 200 semigloss.
- b. Natural Finish Wood – Alkyd Based, Satin Varnish Finish: 2 finish coats of an alkyd based, clear satin varnish. Finish coats – Sherwin Williams Wood Classic Polyurethane A67 Series.
- c. Painted Finish Wood – Semigloss, Acrylic Enamel Finish: 2 finish coats over a wood undercoater. Undercoat – Sherwin Williams PrepRite Classic Primer B28W101 Series. Finish coats – Sherwin Williams ProMar 200 Semigloss.

- d. Ferrous Metal – Full Gloss, Alkyd Enamel Finish: 2 coats over and enamel primer. Primer – Sherwin Williams Kem Kromik Universal Primer B50WZ1 Series. Finish coats – Sherwin Williams Industrial Enamel VOC B54Z Series.

Section 12680 – Entrance Mats

- a. Indoor/Outdoor abrasive carpeting – 3/8” pile height, heavy denier polypropylene, 38 oz./yard, with rubber backing. Mat shall be Magestigrid Carpet Tiles by U.S. Mat and Rubber Co., Decorib by Mats Inc. or equal. Provide reducer strips as necessary for transitions between adjacent materials. Color and pattern shall be as selected by Architect. Install per recommendations by manufacturer.

Section 15400 – Plumbing (Design Build by Contractor)

Section 15600 – Mechanical (Design Build by Contractor)

Section 16000 – Electrical (Design Build by Contractor)

END