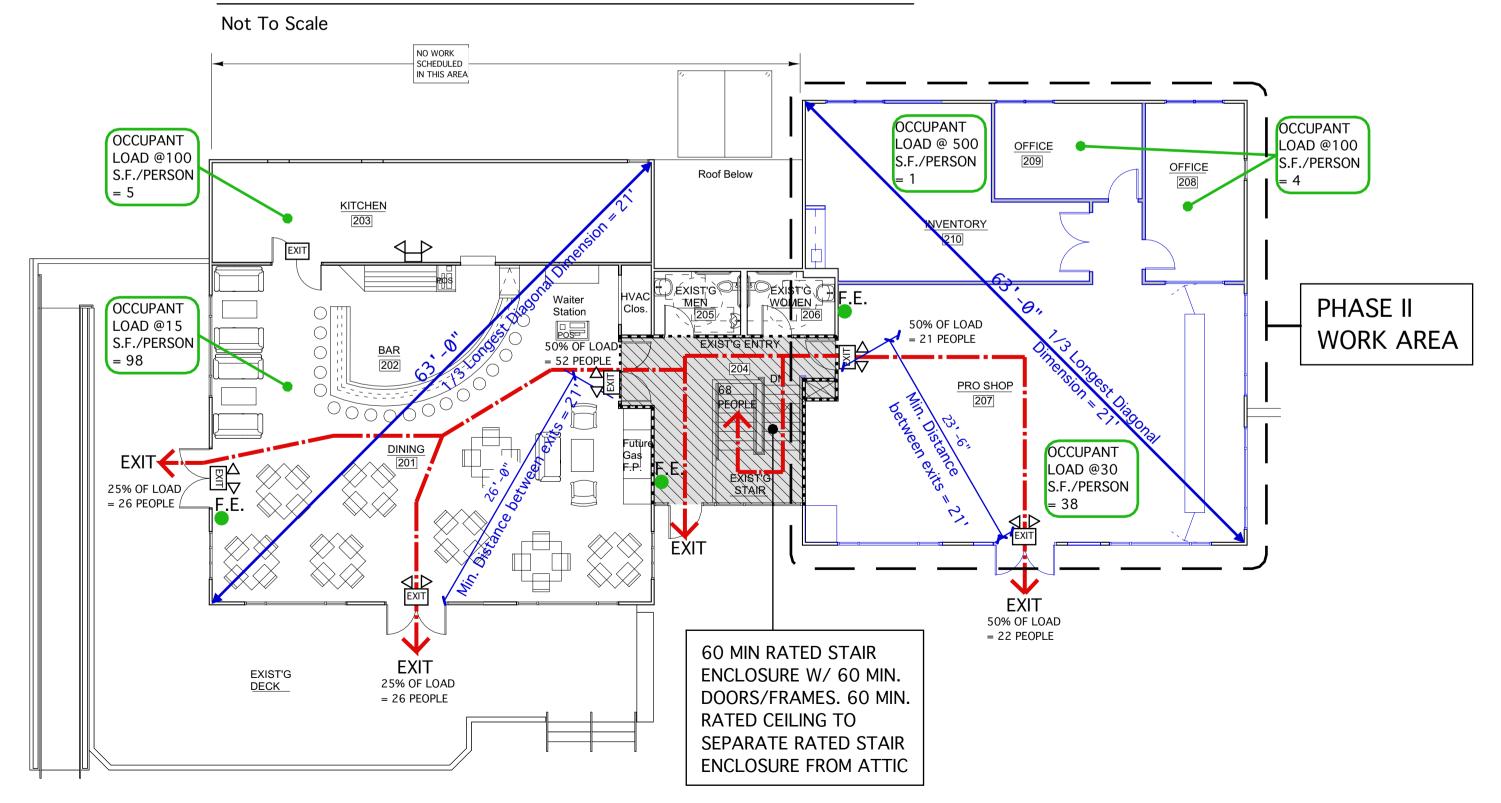


# LOWER LEVEL PLAN



# UPPER LEVEL PLAN

Not To Scale



Inspections Division
Approved with Conditions

5 Milk Street Portland, Maine 04101 207 774 4811 www.wintonscott.com



Structural Engineering:
BECKER STRUCTURAL
ENGINEERS, INC.

HVAC & plumbing Engineering:
MECHANICAL SYSTEMS
ENGINEERS

Electrical Engineering: SWIFT CURRENT ENGINEERING

# Riverside Golf Course North Course

Club House Renovations **PHASE II** 

Riverside Street Portland, Maine

REVISIONS

PERMIT DOCUMENTS

JANUARY 16, 2015

Life Safety Plan

Scale: As Noted

#### **2009 NFPA CODE SUMMARY**

General Building Description: The existing Riverside Golf Course Club House is a two story wood

framed structure (Type V (000)) that is built into a hillside with at

grade exits at both the first and second floor.

The building renovation is mainly focused on alterations to the Renovation Scenario:

> existing restaurant and kitchen on the second floor and reconfiguring an existing general storage area to create separate food storage space for the restaurant at the first floor level. Additional work includes upgrades to the existing stair and its enclosure to meet fire egress

requirements, as well as electrical and HVAC upgrades.

Square Footage: First Floor: 4.308 S.F. Second Floor: 4,308 S.F.

TOTAL AREA: 8,616 S.F.

Occupancy Classification: Mixed Use (Not separated) consisting of: Assembly (Restaurant,

Meeting Room, Lockers), Mercantile (Pro-Shop), Storage (ordinary

hazard).

Sprinkler & Fire Alarm: Building will be equipped with an approved automatic, supervised

sprinkler system per NFPA 13 and fire alarm system.

Construction Type: Type V (000)– All construction consists of any material permitted

by code.

Height & Area Requirements: Per Table 12.1.6 – Construction Type Limitations:

> Assembly Use, Type V(000) can be up to two stories in height if Occupant Load is less than 1,000 & building is sprinkled.

REQUIREMENT MET.

Occupancy Loads/

Load Factors used for each space, total calculated load, and Egress Capacity: Distribution of load to exit doors is shown on the Life Safety Plans. All exit doors provide sufficient egress width (using .22" per person)

for calculated loads and 50% of the assembly use spaces

(Restaurant, Meeting Room, Locker Rooms) exit through the central first floor entry that is considered the Main Entrance as required by

Section 12.2.3.6.1. **REQUIREMENT MET.** 

The existing exit stair has a load of 68 people. Using .3"/person, the required egress width is 20.4" which is less than the minimum Clear width of 44". Existing Stair has a clear width greater than

44". REQUIREMENT MET.

**Travel Distance Limits:** Common Path Limit: 75' (sprinklered-Table A.7.6)

Dead-end Corridor: 20' (sprinklered--Table A.7.6)) Travel Distance: 250' (sprinklered--Table A.7.6))

REQUIREMENT MET.

Remoteness of Exits: Per 7.5.3.1 Remoteness of exits in portions of the building required

> to have two exits shall be a minimum of 1/3 the longest diagonal of the area or building apart (if sprinkled). Drawing indicates Max. diagonal and remoteness of exits at areas requiring two exits.

REQUIREMENT MET

Per 12.2.2.3, Stairs shall comply with section 7.2.2 which states that Required Fire Resistance Rating:

all interior stairs serving as an exit shall comply with 7.1.3.2. 7.1.3.2.1 requires a 1 hour rating for stairs connecting three or fewer

stories.

Per 7.2.2.5.1.3, In existing buildings where a two story exit enclosure connects the story of exit discharge with an adjacent story,

the exit shall be permitted to be enclosed only on the story of exit discharge provided that not less than 50% of the number and capacity of exits on the story of exit discharge are independent of

such enclosures.

REQUIREMENTS MET

**Special Conditions:** Per A7.1.3.2.1(8), doors for convenience that are unrelated to egress

can only open into an exit stair enclosure if they serve a normally occupied space. At the upper level exit stair there are two existing

bathrooms that open into the stair. It is proposed to Change out the existing doors with 1 hour rated doors and to upgrade the existing bathroom partitions to achieve a 1 hour rating.

#### **2009 IBC/IEBC CODE SUMMARY**

General Building Description: The existing Riverside Golf Course Club House is a two story wood

framed structure (Type 5B) that is built into a hillside with at grade

exits at both the first and second floor.

Renovation Scenario: The building renovation is mainly focused on alterations to the

> existing restaurant and kitchen on the second floor and reconfiguring an existing general storage area to create separate food storage space for the restaurant at the first floor level. Additional work includes upgrades to the existing stair and its enclosure to meet fire egress

requirements, as well as electrical and HVAC upgrades.

4.308 S.F. First Floor: Square Footage: 4.308 S.F. Second Floor:

TOTAL AREA: 8,616 S.F.

Occupancy Classification: Mixed Use (Not separated) consisting of: Assembly (A2) –

Restaurant; Assembly (A3) -Meeting Room, Lockers; Mercantile

(M) - Pro-Shop; Storage (S2).

Building will be equipped with an approved automatic, supervised Sprinkler & Fire Alarm:

sprinkler system per NFPA 13 and fire alarm system.

Type 5B - Construction consists of any material permitted by code. Construction Type:

Height & Area Requirements: Per Table 503 – Construction Type Limitations:

Assembly Use, Type 5B can be up to two stories in height and 5,500

S.F. per floor (Sprinkled) **REQUIREMENT MET.** 

Occupancy Loads/ Egress Capacity:

Load Factors used for each space, total calculated load, and Distribution of load to exit doors is shown on the Life Safety Plans.

The load factors used are per NFPA which is more restrictive in all cases than the load factors used by IBC. All exit doors provide sufficient egress width (using .2" per person) for calculated loads. The designated main entrance to the building has sufficient capacity to take 50% of the occupant load to meet NFPA Section 12.2.3.6.1 but because the total occupant load is under 300, the similar provision of IBC under section 1028.2 does not apply.

REQUIREMENT MET.

The existing exit stair has a load of 68 people. Using .3"/person, the required egress width is 20.4" which is less than the minimum Clear width of 44" (Section 1009.1). Existing Stair has a clear

width greater than 44". **REQUIREMENT MET.** 

**Travel Distance Limits:** Common Path Limit: 75' (Section 1014.3)

Dead-end Corridor: 20' (Section 1018.4) Travel Distance: 250' (sprinklered--Table 1016.1)

REQUIREMENT MET.

Remoteness of Exits: Per 1015.2.1, exception (2), Remoteness of exits in portions of the

building required to have two exits shall be a minimum of 1/3 the longest diagonal of the area or building apart (if sprinkled). Drawing indicates Max. diagonal and remoteness of exits at areas requiring

two exits. **REOUIREMENT MET** 

IEBC –Renovation Requirements: Per Section 405.1, work is considered to be a Level 3 Alteration if

more than 50% of the building is being renovated. Level 3

Alterations must comply with sections 6,7, & 8.

Per Section 602.4, all areas of new work in the renovation must meet the requirements of the IBC. **REQUIREMENT MET.** 

Required Fire Resistance Rating: Per Section 703.2.1, all existing vertical openings connecting two or

> more floors shall be enclosed w/ rated assemblies not less than 1 hour rated. However, Exception (4) states that the minimum enclosure rating for Assembly uses shall be 30 Min.

REQUIREMENTS MET

Special Conditions: Per 1022.3, doors in exit enclosures shall be limited to those

necessary for exit access to the enclosure from a normally occupied space. At the upper level exit stair there are two existing bathrooms that open into the stair. It is proposed to Change out the existing doors with 1 hour rated doors and to upgrade the existing bathroom

partitions to achieve a 1 hour rating.



02/13/15

THIS IS THE WRITTEN CODE SUMMARY

PERMITED AND COMPLETED PHASE 1.

PHASE 1 RENOVATIONS ADDRESSED

REQUIREMENTS FOR THE ENTIRE BUILDING.

PHASE II INVOLVES MODIFYING THE LAYOUT

OFFICES AND STORAGE ROOM TO BETTER

RESULT IN A CHANGE OF USE OR CHANGE

PERMITED EMERGENCY EGRESS COMPONENTS

ANY PARAMETERS OF THE PREVIOUSLY

OF THE EXISTING PRO SHOP AND ASSOCIATED

LIFE SAFETY AND BUILDING CODE

SERVE CURRENT NEEDS.

PHASE II RENOVATIONS DO NOT

COMPLETED FOR THE ALREADY

5 Milk Street Portland, Maine 04101 207 774 4811 www.wintonscott.com



HVAC & plumbing Engineering:
MECHANICAL SYSTEMS **ENGINEERS** 

Electrical Engineering: SWIFT CURRENT **ENGINEERING** 

Riverside **Golf Course -**

North Course Club House Renovations **PHASE II** 

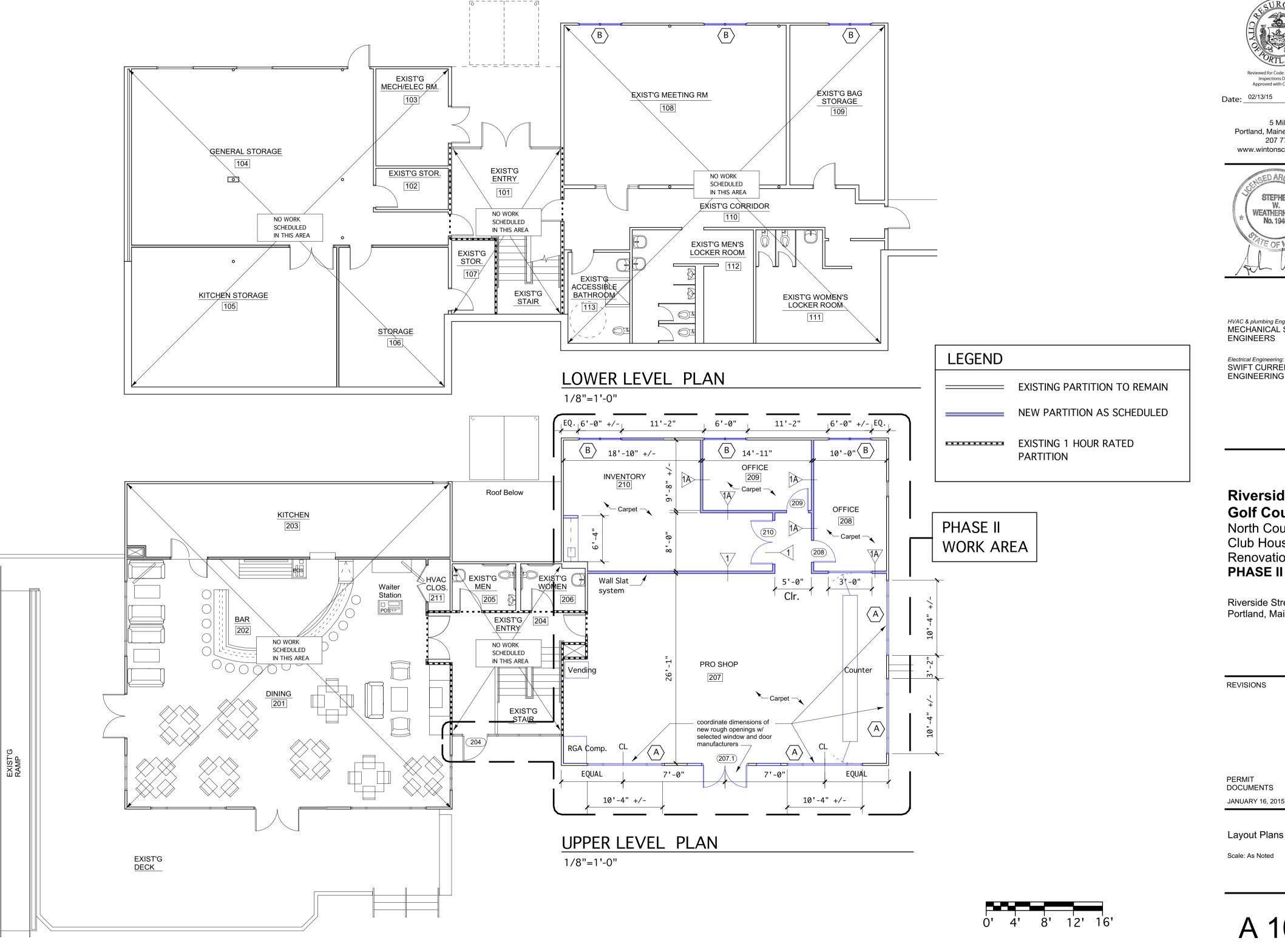
Riverside Street Portland, Maine

REVISIONS

PERMIT DOCUMENTS JANUARY 16, 2015

**Code Summary** 

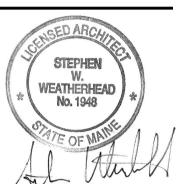
Scale: As Noted





Date: \_\_02/13/15

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HVAC & plumbing Engineering:
MECHANICAL SYSTEMS **ENGINEERS** 

Electrical Engineering: SWIFT CURRENT **ENGINEERING** 

### Riverside **Golf Course -**North Course Club House Renovations

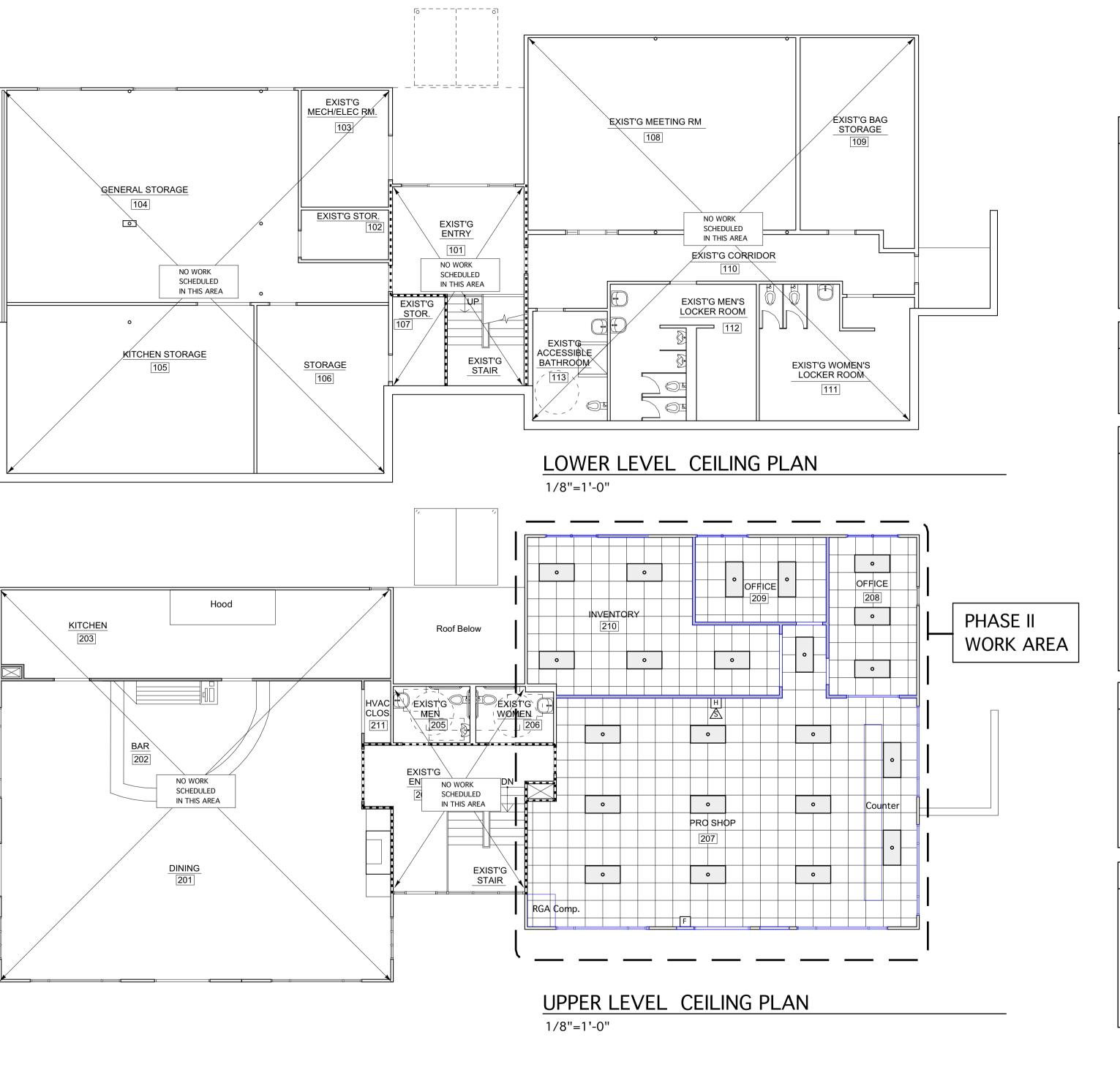
Riverside Street Portland, Maine

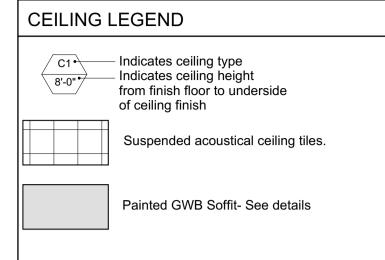
REVISIONS

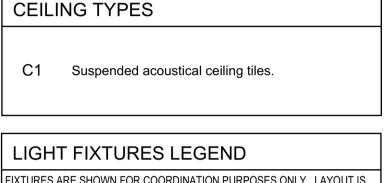
PERMIT **DOCUMENTS** JANUARY 16, 2015

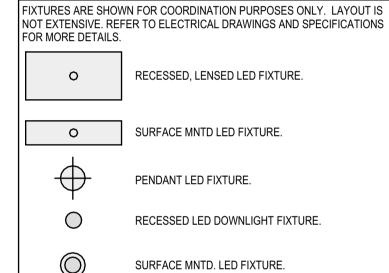
Layout Plans

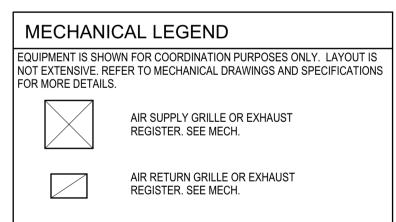
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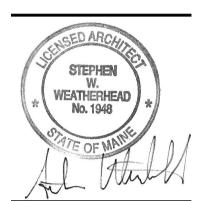
FIRE ALARM LEGEND				
\$/ H	FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)			
F	FIRE ALARM PULL STATION			



Reviewed for Code Compliand Inspections Division Approved with Conditions

Date: \_\_02/13/15

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HVAC & plumbing Engineering:
MECHANICAL SYSTEMS
ENGINEERS

Electrical Engineering: SWIFT CURRENT ENGINEERING

Riverside
Golf Course North Course
Club House
Renovations
PHASE II

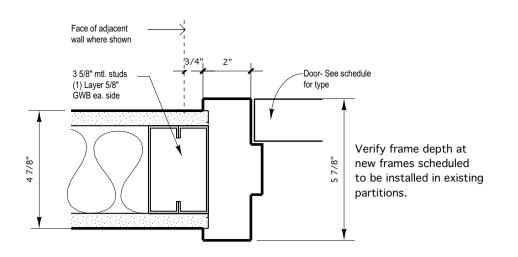
Riverside Street Portland, Maine

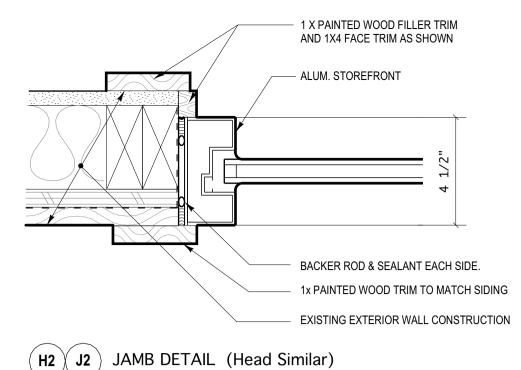
REVISIONS

PERMIT DOCUMENTS JANUARY 16, 2015

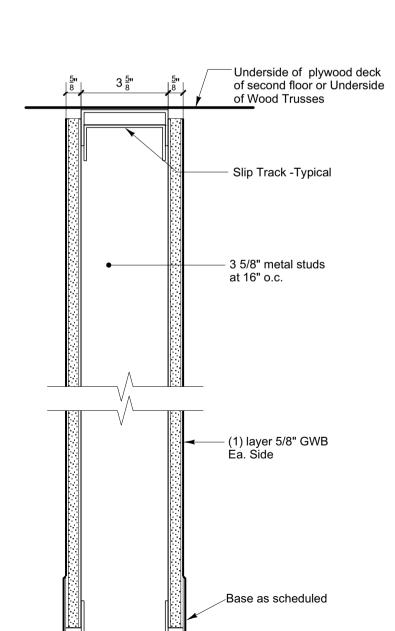
Reflected Ceiling Plans

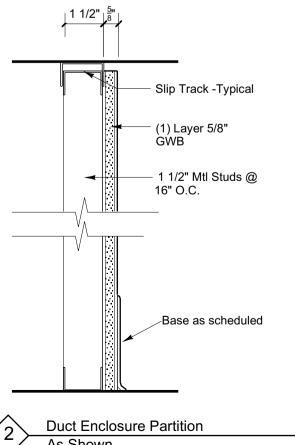
Scale: As Noted





(H1 ) J1 ) JAMB DETAIL (Head Similar)





As Shown

Typical Interior Partition - w/ acoustic batts

Typical Interior Partition

As Shown

DOOR & FRAME SCHEDULE														
General			Door			Frame		Details						
Door No.	Size (W x H)	Thickness	Material	Finish	Туре	Material	Finish	Туре	Head	Jamb	Threshold	Hardware	Label	Remarks
SECOND FLOOR														
204	PR 3'-0" X 7'-0"	1 3/4"	ALUM	KYNAR	С	ALUM	KYNAR	F3	H2 SIM	J2 SIM	-	HDWR 1		
207.1	PR 3'-0" X 7'-0"	1 3/4"	ALUM	KYNAR	С	ALUM	KYNAR	F2	H2 SIM	J2 SIM		HDWR 1		
208	3'-0" X 7'-0"	1 3/4"	SCWD	CLR. F.	В	НМ	PNTD.	F1	H1	J1	-	HDWR 2		
209	3'-0" X 7'-0"	1 3/4"	SCWD	CLR. F.	В	НМ	PNTD.	F1	H1	J1	-	HDWR 2		
210	PR. 3'-0" X 7'-0"	1 3/4"	SCWD	CLR. F.	Α	НМ	PNTD.	F1	H1	J1	-	HDWR 3		

#### HARDWARE SETS:

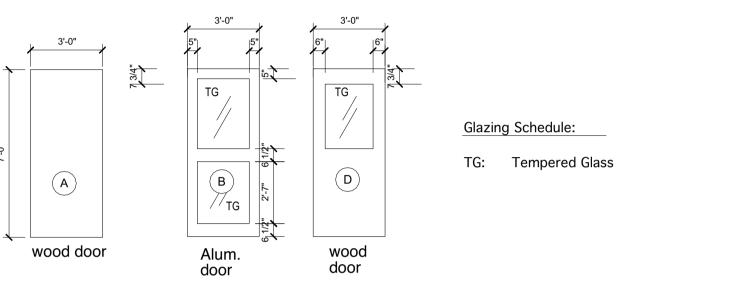
HDWR 1: Continuous Geared Hinges, closer, exit device, pull, commercial heavy duty lockset- Entry Function, weatherstripping & threshold.

HDWR 2: Hinges, Silencers, Stop, Commercial Duty Lever Lockset - Office Function.

HDWR 3: Hinges, Silencers, Stop, Commercial Duty lever Lockset - Supply Room Function, Surface bolts at inactive leaf.

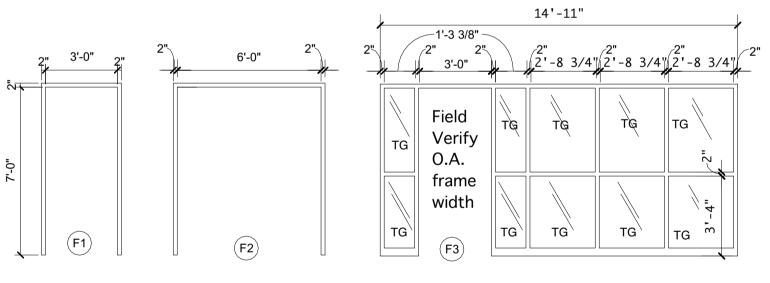
ABBREVIATIONS					
ALUM	Aluminum				

SCWD CLR. F. HM GHM PNTD. F.F. Solid Core wood door Clear Finish Hollow Metal Galvanized Hollow Mtl. Factory Finish



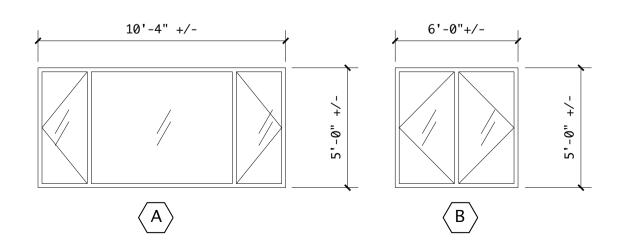
DOOR TYPES

1/4"=1'-0"



FRAME TYPES

1/4"=1'-0"



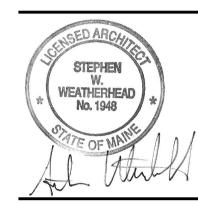
WINDOW TYPES

1/4"=1'-0"



Date: \_\_02/13/15

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HVAC & plumbing Engineering:
MECHANICAL SYSTEMS **ENGINEERS** 

Electrical Engineering: SWIFT CURRENT ENGINEERING

Riverside **Golf Course -**North Course Club House Renovations

Riverside Street Portland, Maine

**REVISIONS** 

CONTRACT **DOCUMENTS** FEBRUARY 03, 2014

Door Schedule / Types Partition Types / Details Window Types

Scale: As Noted



# Accessibility Building Code Certificat



Reviewed for Code Compliance Inspections Division Approved with Conditions

Designer: Stephen Weatherhead, Winton Scott Archite

Date: \_

02/13/15

Address of Project:

1158 Riverside Street

Nature of Project:

Renovation of the exist'g pro shop, offices, and storage

to improve layout to meet current needs

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.

Signarcy Times Stephen W. Weatherhead Wo. 1948 \* Action 19

Signature:

Title:

Firm:

Address:

Phone:

**Project Architect** 

Winton Scott Architects

5 Milk Street

Portland. ME 04101

207-774-4811

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 Application

From Designer:

Date:

1/16/15

Reviewed for Code Compliance Inspections Division Approved with Conditions

Address of Construction:

Stephen Weatherhead, Winton Scott Architects

Reviewed for Code Compliance Inspections Division Approved with Conditions

Approved with Conditions

Date:

02/13/15

#### 2009 International Building Code

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

Building Code & Year 2009 IBC	Use Group Classification	n(s) NON-SEPARATED	MIXED USE			
Type of Construction 5B						
Will the Structure have a Fire suppress	sion system in Accordance with S	ection 903.3.1 of the 200	9 IRC YES			
Is the Structure mixed use? YES						
Supervisory alarm System? YES	Geotechnical/Soils report required? (See Section 1802.2) NO					
Structural Design Calculations			Live load reduction			
Submitted for all struct	ural members (106.1 – 106.11)	I	Roof live loads (1603.1.2, 1607.11)			
		I	Roof snow loads (1603.7.3, 1608)			
Design Loads on Construction Doo Uniformly distributed floor live loads (7603		(	Ground snow load, $Pg$ (1608.2)			
•	s Shown	I	If $P_g > 10$ psf, flat-roof snow load $P_f$			
	NOT APPLICA		$f P_g > 10$ psf, snow exposure factor, $C_g$			
	NO STRUCTUI	DAI /	If $Pg > 10$ psf, snow load importance factor, $I_{k}$			
	WORK IN PRO	JECT /	Roof thermal factor, $G$ (1608.4)			
			Sloped roof snowload, $p_{\mathbf{r}}(1608.4)$			
Wind loads (1603.1.4, 1609)			Seismic design category (1616.3)			
Design option utilized (16	09.1.1, 1609.6)		Basic seismic force resisting system (1617.6.2)			
Basic wind speed (1809.3)			Response modification coefficient, R1 and			
Building category and win	d importance Factor,		deflection amplification factor <sub>Cd</sub> (1617.6.2)			
Wind exposure category (	table 1604.5, 1609.5) 1609.4)		Analysis procedure (1616.6, 1617.5)			
Internal pressure coefficient	(ASCE 7)		Design base shear (1617.4, 16175.5.1)			
Component and cladding pre		Flood loads (180	3.1.6, 1612)			
Main force wind pressures (7		Ţ	Flood Hazard area (1612.3)			
Earth design data (1603.1.5, 1614-16	23)		Elevation of structure			
Design option utilized (16	14.1)	Other loads				
Seismic use group ("Categ	gory")		S			
Spectral response coefficient	ents, SDs & SD1 (1615.1)		Concentrated loads (1607.4)			
8ite class (1615.1.5)			Partition loads (1607.5)			
			Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404			



## Certificate of Design



Inspections Division
Approved with Conditions

1/16/15

02/13/15 Date:

From:

Date:

Stephen Weatherhead, Winton Scott Architects

These plans and / or specifications covering construction work on:

Riverside Golf Course-North Course Clubhouse renovations

of existing pro-shop, offices, and storage room

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



Title:

**Project Architect** 

Firm:

Winton Scott Architects

5 Milk Street

Address:

Portland, ME 04101

Phone:

207-774-4811

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

# Riverside Golf Course 2013/15 North Course Club House Renovations

# **DRAWING LIST**

#### ARCHITECTURAL

D 101 DEMOLITION PLAN
A 001 LIFE SAFETY PLAN
A 002 CODE SUMMARY
A 101 LAYOUT PLANS
A 102 CEILING PLANS

A 201 DOOR SCHEDULE / TYPES / DETAILS / PARTITION TYPES / WINDOW TYPES

#### **PLUMBING**

P1 PLUMBING FIRST FLOOR PLAN /NOTES /SCHEDULE

#### **MECHANICAL**

M1 MECHANICAL DUCTWORK AND PIPING PLANS
M2 MECHANICAL DETAILS AND SCHEDULES

NOT INCLUDED IN PERMIT SET

**PHASE II** 

Riverside Street

Portland, Maine

PERMIT SET 1 / 16 / 15

**ELECTRICAL**:

Swift Current Engineering

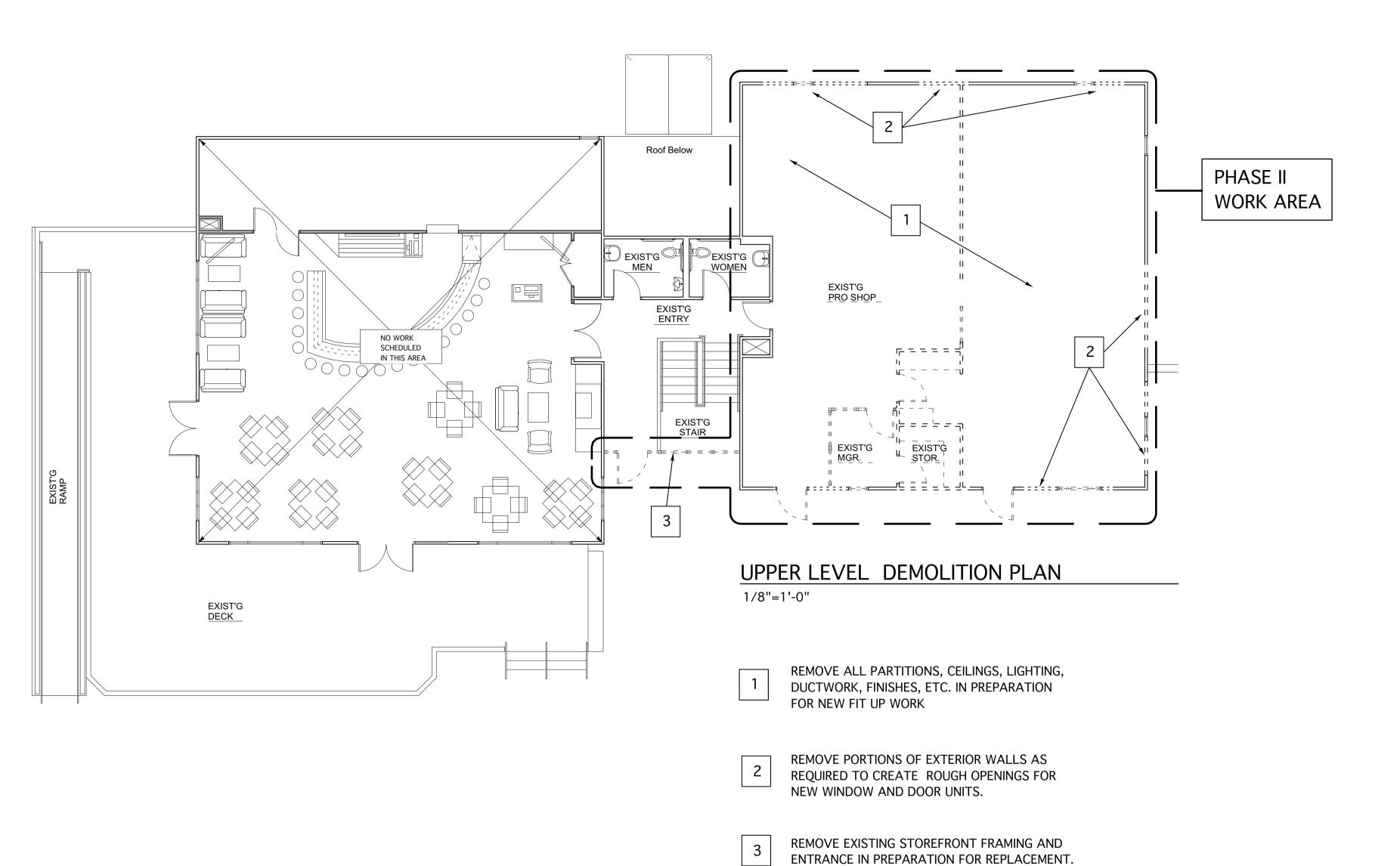
Royal River Center Unit #10 10 Forest Falls Drive, Yarmouth, Maine 04096 207.847.9280 I tim@swiftcurrenteng.com MECHANICAL/PLUMBING:

Mechanical Systems Engineers
Royal River Center Unit #10
10 Forest Falls Drive, Yarmouth, Maine 04096
207.846.1441 | mechsyst@maine.rr.com

ARCHITECT:

Winton Scott Architects
5 Milk Street
Portland, Maine 04101
207.774.4811 | sweatherhead@wintonscott.com







Inspections Division
Approved with Condition

Date: \_\_02/13/15

5 Milk Street Portland, Maine 04101 207 774 4811 www.wintonscott.com



Structural Engineering: BECKER STRUCTURAL ENGINEERS, INC.

HVAC & plumbing Engineering:
MECHANICAL SYSTEMS
ENGINEERS

Electrical Engineering: SWIFT CURRENT ENGINEERING

Riverside
Golf Course North Course
Club House
Renovations

Riverside Street Portland, Maine

PHASE II

REVISIONS

PERMIT DOCUMENTS

JANUARY 16, 2015

**Demolition Plan** 

Scale: As Noted

D 101





Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: 02/13/15

Jeff Levine, AICP, Director Director of Planning and Urban Development Tammy Munson Director, Inspections Division

#### Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.

By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a *legal signature* per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no permit application can be reviewed until payment of appropriate permit fees are *paid in full* to the Inspections Office, City of Portland Maine by method noted below:

Within 24-48 hours, upon receipt of an e-mailed invoice from Building Inspections, which signifies that my electronic permit application and corresponding paperwork have been received, determined complete, entered by an administrative representative, and assigned a permit number, I then have the following four (4) payment options:

options:
to provide an on-line electronic check or credit/debit card (we now accept American Express, Discover, VISA and MasterCard) payment (along with applicable fees beginning July 1, 2014),
all the Inspections Office at (207) 874-8703 and speak to an administrative representative to provide credit/debit card payment over the phone,
hand-deliver a payment method to the Inspections Office, Room 315, Portland City Hall,
or deliver a payment method through the U.S. Postal Service, at the following address:
CITY PROJECT- FEES WAIVED  City of Portland Inspections Division  389 Congress Street, Room 315 Portland, Maine 04101
Once my payment has been received, this then starts the review process of my permit. <i>After all approvals have been me and completed, I will then be issued my permit via e-mail.</i> No work shall be started until I have received my permit.  Applicant Signature:  Date: 1/16/15
I have provided digital copies and sent them on:    April   Ap

NOTE: All electronic paperwork must be delivered to <u>buildinginspections@portlandmaine.gov</u> or by physical means ie; a thumb drive or CD to the office.



# General Building Permit Application



If you or the property owner owes real estate or personal property taxes or user cl within the City, payment arrangements must be made before permits of any

Reviewed for Code Compliance Inspections Division Approved with Conditions

Address/Location of Construction: 1158 RIVERSIDE Street (Golf Coursi Date: 02/13/15								
Total Square Footage of Proposed Struct	ture:	Exist'g 8,616 s.f.						
Tax Assessor's Chart, Block & Lot	Applicant Name:		Telephone:					
Chart# Block# Lot# 358 A 001	Address 389 Cong	ress Street	Aaron Shields 415-9632					
	City, State &		ads@portlandmaine.gov					
Lessee/Owner Name : (if different than applicant) Address:	Contracto (if different fro Address:		Cost Of Work: § 120,000 Estimated					
Portland. ME 04101			C of O Fee: \$ <u>N/A</u>					
City, State & Zip:	City, State	& Zip:	Historic Rev \$ <u>N/A</u>					
Telephone & E-mail:	Telephone	& E-mail:	Total Fees: \$					
Current use (i.e. single family) Public golf club house (restaurant, pro shop, lockers, meeting room, storage)								
If vacant, what was the previous use?								
Proposed Specific use: Same as current u								
Is property part of a subdivision? <u>NO</u> _ If y			I IIII					
<b>Project description</b> : Interior renovation of existing pro-shop, offices, and storage room. New HVAC & Electrical, fire alarm and finishes. New windows and doors.								
Who should we contact when the permit is ready: Aaron Shields								
Address: 389 Congress Street								
City, State & Zip: Portland, ME 04101								
E-mail Address: ADS@portlandmaine.gov								
Telephone: 415-9632								
Please submit all of the information outlined on the applicable checklist. Failure to do so								

Please submit all of the information outlined on the applicable checklist. Failure to do so causes an automatic permit denial.

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 <a href="https://www.portlandmaine.gov">www.portlandmaine.gov</a>, 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: Date: 1/16/15

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