City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
04-0015	MAR 26 2004	306 B001001

RECEIVED

Location of Construction:	Owner Name:	Owner Address:	Phone:
563 Riverside St	Six G's Coed Llc	557 Riverside St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
n/a	Patco Construction	1293 Main St Sanford	2073245574
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
n/a	n/a	Additions - Commercial	TM

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Commercial / Vacant	Commercial / Build new 2,000 sq.ft commercial Rental Units.	$3,684.00	$407,000.00	5

FIRE DEPT: ☑ Approved ☐ Denied

Signature:

INSPECTION: Use Group: B/F2 S2 Type: 2C

3/26/04

Signature:

Proposed Project Description: N

Commercial / Build new 2,000 sq. Ft. Commercial rental units.

14,000, 52 Ft Building!

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
gg	01/06/2004

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 electrical work.
3. 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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland N/A	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone Panel 1 Zone C	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☒ Site Plan 2003-0210	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☒ MM ☐	☐ Denied	☐ Denied
Date: 4/1/04 Approved with conditions	Date:	Date:

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
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Zoning Copy

2003-0210
Application I. D. Number

Six Gs Coed, LLC
Applicant

10/8/03
Application Date

557 Riverside Street, Portland, ME 04103
Applicant's Mailing Address

Office/Industrial Building
Project Name/Description

Consultant/Agent

567 - 567 Riverside St, Portland, Maine
Address of Proposed Site

Applicant Ph: (207) 797-5830 **Agent Fax:**
Applicant or Agent Daytime Telephone, Fax

312 B003 306 - B - 1 & 7
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): ☑ New Building ☐ Building Addition ☐ Change Of Use ☐ Residential ☑ Office ☐ Retail ☐ Manufacturing ☑ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify)

14,000 s.f.
Proposed Building square Feet or # of Units

Acreage of Site

JM
Zoning

Check Review Required:

☑ Site Plan (major/minor)
☐ Subdivision # of lots
☐ PAD Review
☐ 14-403 Streets Review
☐ Flood Hazard
☐ Shoreland
☐ HistoricPreservation
☐ DEP Local Certification
☐ Zoning Conditional Use (ZBA/PB)
☐ Zoning Variance
☐ Other

Fees Paid: Site Plan **$400.00** Subdivision Engineer Review Date: **10/14/03**

Zoning Approval Status:

Reviewer

☐ **Approved**
☐ **Approved w/Conditions** See Attached
☐ **Denied**

Approval Date Approval Expiration Extension to ☐ Additional Sheets Attached

☐ Condition Compliance signature date

Performance Guarantee ☐ **Required*** ☐ **Not Required**

* No building permit may be issued until a performance guarantee has been submitted as indicated below

☐ Performance Guarantee Accepted — date / amount / expiration date
☐ Inspection Fee Paid — date / amount
☐ Building Permit Issued — date
☐ Performance Guarantee Reduced — date / remaining balance / signature
☐ Temporary Certificate of Occupancy — date
☐ Conditions (See Attached) — expiration date
☐ Final Inspection — date / signature
☐ Certificate Of Occupancy — date
☐ Performance Guarantee Released — date / signature
☐ Defect Guarantee Submitted — submitted date / amount / expiration date

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PATCO CONSTRUCTION, INC.

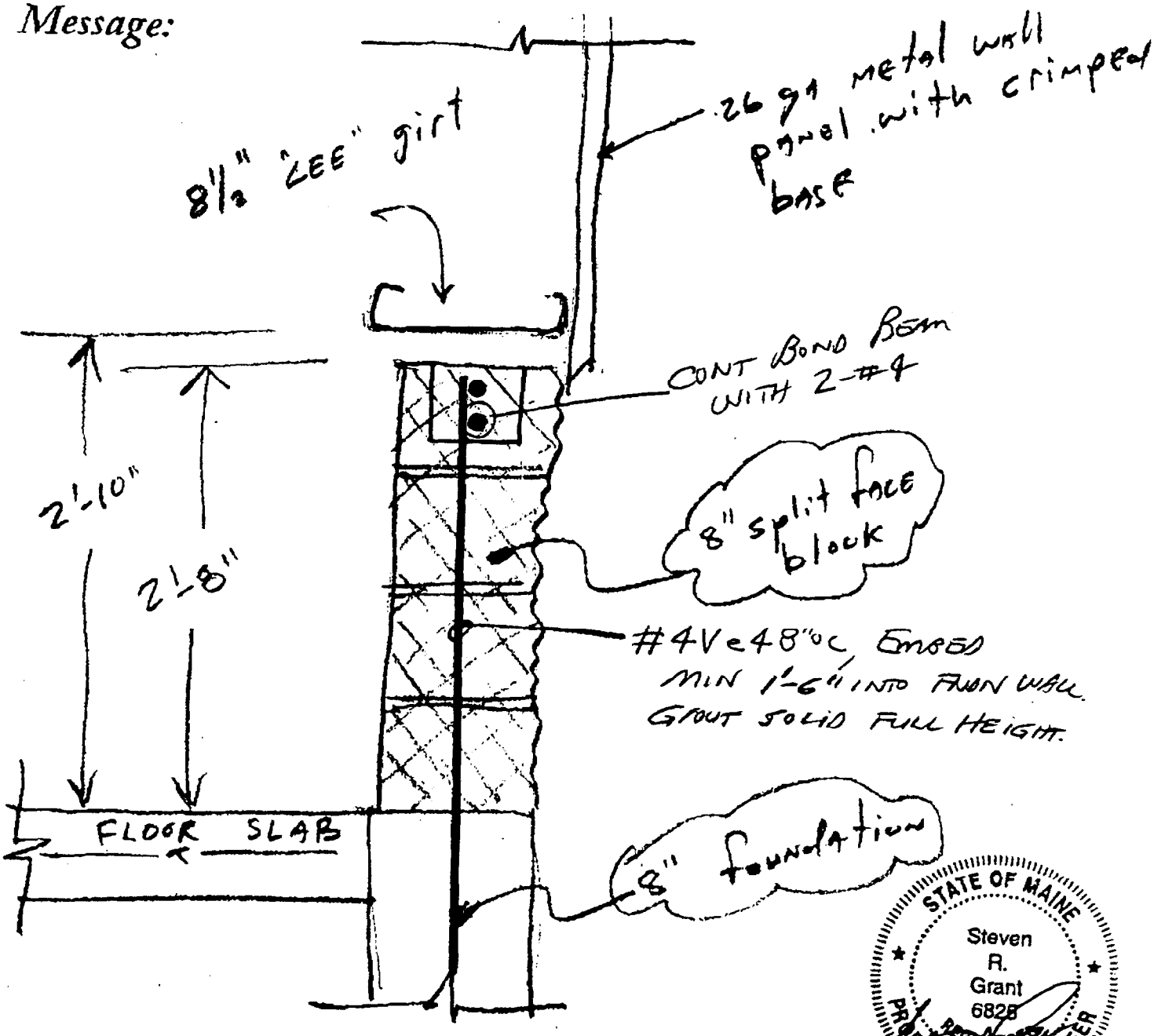
Fax Transmittal

To: Phoenix Welding

Date: _____ Fax: _____

From: _____ No. of pages: _____
(including cover sheet)

Message:



STATE OF MAINE
Steven R. Grant
6828
REGISTERED PROFESSIONAL ENGINEER

PATCO
CONSTRUCTION, INC.

January 5, 2004

Mr. Michael Nugent
City of Portland
City Hall Room 315
389 Congress Street
Portland, ME 04101

Re: Six G's Coed L.L.C./Phoenix Welding

Dear Michael:

Attached please find our building permit application for the above project on Riverside Street. We have included the following:

- Cover letter
- Permit Application
- Designer's certification form
- Building code certificate
- Accessibility certificate
- Varco-Pruden letter of certification (metal building)
- Architectural plans: A-1, A-2, 11 x 17 and 24 x 36
- Foundation plans: S-1, S-2, 11 x 17 and 24 x 36
- Structural Steel plans: 1-31, 11 x 17 and 18 x 24
- Site plans : 1- 4, (for information)

The proposed building consists of seven (7) 2,000 sq. ft. speculative rental spaces for a total of 14,000 sq. ft. Each unit has it's own on grade overhead door, small office, H.C. bathroom, two means of egress, individual utilities, heat and electrical. The building also has a complete automatic sprinkler system and fire alarm.

I hope that this is sufficient information for your review. If you have any questions, call me at 651-0798 or 324-5574.

Sincerely,

Dennis M. Waters

DMW/jg
Enclosure

Phone: 207-324-5574 • Fax: 207-324-1643 • 1293 Main Street, Sanford, ME 04073 • www.patco-construction.com

From: Marge Schmuckal
To: Sarah Hopkins
Date: Mon, Jan 12, 2004 11:12 AM
Subject: 563 Riverside St. - Six G's Coed LLC

Sarah,
I don't know what planner has this site plan for the 14,000 sq. ft. building. Why isn't there a place on the site plan form for that? Anyway, there is one zoning problem - First of all it is a IM zone not an I-H zone - Second, the pavement setbacks requirement of 10' is not being met. Only about 3' is shown along the entry way and not quite 10' by the parking. Third, the plans say that there is City sewer available, but they want to put in a private subsurface instead. However, I don't see that on the plans.

Thanks,
Marge

All Purpose 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.

563-573

Location/Address of Construction: 557 Riverside Street (Phoenix Welding)

Total Square Footage of Proposed Structure	Square Footage of Lot
12,000 Sq. ft.	373,888 sq. ft.

Tax Assessor's Chart, Block & Lot	Owner:	Telephone:
Chart# Maps 312 & 306 Block# 3, 12 Lot# 6, 177	Six G's COED, L.L.C.	797-5832

Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone:	Cost Of Work: $
N/A	Dennis Waters Patco Construction, Inc. 1293 Main St. Sanford 324-5574	$407,000.- Fee: $ $3,684.-

Current use: Empty lot

owe 75.00 cof O

If the location is currently vacant, what was prior use: N/A

Approximately how long has it been vacant: N/A

Proposed use: 2,000 sq. ft. commercial rental units

Project description:

minor Site Plan waiting for approval

Contractor's name, address & telephone: Patco Construction, 1293 Main St. Sanford, ME. 04073 - 324-5574

Who should we contact when the permit is ready: Dennis Waters 651-0798 cell

Mailing address: SAME

RECEIVED JAN - 7 2004

We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a $100.00 fee if any work starts before the permit is picked up. **PHONE:** SAME

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APROVE THIS PERMIT.

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 of applicant: Dennis M. [illegible] **Date:** 1/6/04

This is NOT a permit, you may not commence ANY work until the permit is issued.
If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall

PATCO
CONSTRUCTION, INC.

Mr. Michael Nugent
City of Portland
City Hall room 315
389 Congress Street
Portland, ME 04101

RE: 557 Riverside/Six G's Coed LLC/ Phoenix Welding MN

Dear Michael:

Attached please find the following items to complete our building permit application per your request.

- Geotechnical report by S.W. Cole Engineering, Inc. Rec'd
- Statement of special inspection by Steven R. Grant, P.E.
- 8 ½ x 11" detail for masonry veneer wall by Steven R. Grant, P.E.
- Site plans approval letter from the City of Portland dated January 5, 2004 M
- Copy of original building permit application cover letter.

If you have any questions or need additional information, call me at 651-0798 or 324-5574.

Sincerely,

Dennis Waters
Vice President

DMW/klf

SRG JOB # 03-150

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

S E A M

Structural Engineering Association of Maine

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: Six G's Coed L.L.C. / Phoenix Welding

LOCATION: Portland, Maine

PERMIT APPLICANT: PATCO Constuction, Inc

APPLICANT'S ADDRESS: 1293 Main St.
Sanford, ME 04073

STRUCTURAL ENGINEER OF RECORD: Steven R. Grant, P.E. (Name) SRG Engineering, Inc (Firm)

ARCHITECT OF RECORD: John Einsiedler (Name) ← (same) (Firm)

This Statement of Special Inspections is submitted in accordance with Section 1705.0 of the 1993 BOCA National Building Code. It includes a listing of special inspections applicable to this project as well as the name of the Special Inspector, and the names of other agencies intended to be retained for conducting these inspections.

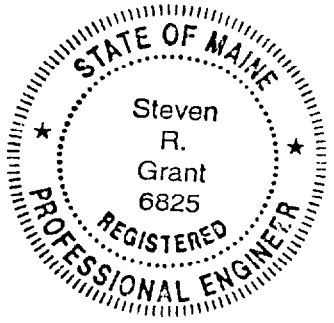
The Special Inspector shall keep records of all inspections listed herein, and shall furnish inspection reports to the Code Official and to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Code Official and to the Registered Design Professional of Record. Interim reports shall be submitted to the Code Official and to the Registered Design Professional of Record monthly, unless more frequent submissions are requested by the Code Official.

Job site safety is solely the responsibility of the Contractor. Materials and activities to be inspected are not to include the Contractor's equipment and methods used to erect or install the materials listed.

Prepared By:

Steven R. Grant, P.E.
NAME

1-22-04
SIGNATURE DATE



Preparer's P.E. Seal

Applicant's Authorization:

SIGNATURE DATE

Building Code Official:

SIGNATURE DATE

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

S E A M

Structural Engineering Association of Maine

LIST OF AGENTS

PROJECT: Six G's COED L.L.C / PHOENIX WELDING

STRUCTURAL ENGINEER OF RECORD: STEVEN R. GRANT (Name) SRG ENGINEERING, INC (Firm)
PO Box 925 GRAY, ME 04039 (Address)

ARCHITECT OF RECORD: JOHN EINSIEDLER (SAME) (Name) (Firm)
148 SEA ROAD, KENNEBUNK, ME 04043 (Address)

Following is the List of Agents selected for performance of Special Inspections for this project.

		Name	Firm
1.	Special Inspector	STEVEN R GRANT	SRG ENGINEERING, INC
2.	Testing Laboratory	S. W. COLE ENG. INC	(SAME)
3.	Testing Laboratory		
4.			
5.			
6.			
7.			
8.			
9.			
10.			

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
17053 STEEL CONSTRUCTION	1.00							
Steel Fabrication V.P. is a certified plant, this is not read by SRG.		In-plant review Part A - Fabrication procedures			NR (NOT READ)			
		Part B - Procedures implementation Review conformance to Part A		SER to determine extent after completion of Part A	NR			
		Review material certificates of compliance (Bolts, nuts, washers, structural steel, & weld filler material)						
		Review connections			NR			
		Review welding of seismic-resisting system in Cat. "C" buildings			NR			
Steel Erection		Review welder certification			NR			
	X	Review materials certificates of compliance (Bolts, nuts, washers, & weld filler material)						
	X	Review primary steel connections						
	X	Moment connections						
	X	Shear connections						
	X	Bracing connections						
		Review welded Cat. "C" seismic connections			NR			
		Review welded column splices			NR			
		Review base metal testing for "t" > 1 1/2"			NR			
	X	Review secondary steel connections						
	X	Girts						
	X	Steel deck						
		Lintels			NR			
		Review installation of shear studs			NR			
	X	Review Details / Steel Frame						

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.3 Special Inspector _____ Date _____

3-15-94

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.3 STEEL CONSTRUCTION (Continued)	1.00							
Steel Joist & Joist Girder Fabrication		In-plant review Part A - Fabrication procedures						
NOT REQ'D		Part B - Procedures implementation Review conformance to Part A		SER to determine extent after completion of Part A				
		Review material certificates of compliance (structural steel & weld filler material)						
		Review connections						
Steel Joist & Joist Girder Erection		Review welder certification						
NOT REQUIRED		Review joist bearing connections						
		Review joist bearing length						
		Review joist bridging						

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.3 Special Inspector _____ Date _____

3-15-94

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.4 CONCRETE CONSTRUCTION	2.00							
Concrete Materials	X	Review materials (ACI Chapter 3)						
	X	Review mix design (ACI Chapter 4)						
	X	Review reinforcing certification & weldability (ASTM A706) if required						
Placing Reinforcement	X	Review condition & placement of reinforcing and prestressing steel (ACI 318 7.4-7.7)						
		Review welding of reinforcing in Cat "C" seismic-resisting systems			N.R.			
Formwork		Review formwork (ACI 318 6.1)			NR			
		Review form removal & reshoring (ACI 318 6.2)			NR			
Concrete Operations	X	Review concrete strength tests (ACI 318 5.6)						
	X	Review mix proportions and technique (ACI 318 5.2, 5.3, 5.4, & 5.8)						
	X	Review concrete placement (ACI 318 5.9 & 5.10)			SW COLE			
		Review curing technique & temperature (ACI 318 5.11, 5.12, & 5.13)						
Prestressing Operations NA.		Review application of prestressing force (ACI 318 18.18)						
		Review grouting of bonded prestressing tendons in Cat. "C" seismic-resisting systems						
Precast Manufacturing NA		In-plant review Part A - Fabrication procedures						
		Part B - Procedures implementation Review conformance to Part A						
Erection of Precast Concrete NA		Review erection of precast units						
		Review key reinforcement						
		Review key grouting						
		Review concrete topping						
		Review connections						

All Concrete Construction Special Inspections have been completed in accordance with BOCA Section 1705.4 Special Inspector _____ Date _____

3-15-94

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.5 MASONRY CONSTRUCTION	3.00							
Materials		Review materials certification Masonry units Reinforcing steel						
		Review grout materials & mix design						
		Review mortar materials & mix design						
NA		Review strength determination Unit strength method. Review unit strengths & grout, mortar mixes						
		Prism strength method. Review pre-construction test results. Field tests during construction.						
		Grout testing Determine compressive strength						
		Mortar testing Field test compressive strength ASTM C780 (Reqd. only if property reqs of ASTM C270 are used)						
General Masonry Work		Review mortar mix proportions & mixing (ACI 530.1; 2.3.2.5)						
		Review grout mix proportions & mixing (ACI 530.1; 4.2.2)						
		Review general installation of mortar, grout, masonry units. (ACI 530.1; 2.3.3.3, 4.3.3)						
NA		Review installation of horiz., vert., & joint reinforcing (incl. location, sizes, splices, & positioning devices) (ACI 530, Ch. 8)						
		Review hot/cold weather procedures (ACI 530.1; 2.3.2.2, 2.3.2.3)						
		Review installation of anchorage devices (ACI 530; 4.2, 5.14)						
		Review installation of lintels						
		Review welding of reinf., grouting, consolidation and reconsolidation for seismic Cat. "C" buildings						

All Masonry Construction Special Inspections have been completed in accordance with BOCA Section 1705.5 Special Inspector _____ Date _____

3-15-94

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE __ OF __

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.6 WOOD CONSTRUCTION	4.00							
Wood Truss Fabrication		In-plant review Part A- Fabrication procedures						
NA		Part B- Procedures implementation Review conformance to Part A						
		Review member arrangement						
		Check for TPI Stamp						
Wood Truss Materials		Review lumber Wood species Grade stamps Moisture content						
NA		Review connector plates Size Gage Orientation Location Fit						
Wood Truss Erection		Review storage at site						
NA		Review permanent bracing						
		Review field connections						
Glulam Fabrication		In-plant review Part A- Fabrication procedures						
NA		Part B- Procedures implementation Review conformance to Part A						
Glulam Materials NA		Review wood species and grade						
Glulam and Solid Timber Erection		Review connections						
NA		Bolted connections						
		Connection fittings						
Seismic-Resisting System (Seis. Perf. Cat. "C") NA		Review seismic connections Nailed connections Bolted connections Structural glued connections Other seismic fasteners						

All Wood Construction Special Inspections have been completed in accordance with BOCA Section 1705.6 Special Inspector _____ Date _____

3-15-94

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.7 PREPARED FILL	5.00							
Site Preparation	X	Review site preparation prior to prepared fill placement			S.W. COLE (SWC)			
During Fill Placement	X	Review compliance to soils report Material			SWC			
	X	Lift thickness			SWC			
Evaluation of in-Place Density	X	Review in-place dry density for compliance with soils report			SWC			

All Prepared Fill Special Inspections have been completed in accordance with BOCA Section 1705.7 Special Inspector _____ Date _____

3-15-94

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

PROJECT:

SCHEDULE OF SPECIAL INSPECTION SERVICES

PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.8 PILE FOUNDATIONS	6.00							
Pile Fabrication		In-plant review Part A- Fabrication procedures						
NA		Part B- Procedures implementation Review conformance to Part A						
Pile Driving		Review pile driving records						
NA		Review load test results						
		Review pile driving equipment & procedure						
Pile Materials		Review accessories						
		Pile tip assembly						
		Pile splice assembly						
NA		Rock anchors						
		Tendons						
		Review steel piles						
		Material identification markings						
		Inspection of corrosion protection						
		Review timber piles						
		Wood species						
		Butt or tip diameter						
		Grade stamps/markings/treatment						
		Review other pile systems						
Prestressed Concrete Piles		See "Precast Concrete"						

All Pile Foundation Special Inspections have been completed in accordance with BOCA Section 1705.8 Special Inspector _____ Date _____

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT: PAGE ___ OF ___

MATERIAL / ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV. #
1705.12 SPECIAL CASES	7.00							

N.A.

All Special Case Special Inspections have been completed in accordance with BOCA Section 1705.12 Special Inspector _____ Date _____

3-15-94

BEARING CAPACITY ASSESSMENT
PROPOSED PHOENIX WELDING BUILDING
RIVERSIDE STREET
PORTLAND, MAINE

04-0067 February 12, 2004

Prepared for:

PATCO Construction
Attn: Dennis Waters
1293 Maine Street
Sandford, ME 04073

Prepared by:

S.W.COLE ENGINEERING, INC
Timothy J. Boyce, P.E.
286 Portland Road
Gray, Maine 04039

S.W.COLE ENGINEERING, INC. • Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

04-0067

February 12, 2004

PATCO Construction
Attn: Dennis Waters
1293 Maine Street
Sandford, ME 04073

Subject: Bearing Capacity Assessment
Proposed Phoenix Welding Building
Riverside Street
Portland, Maine

Dear Mr. Waters:

In accordance with our Agreement dated January 29, 2004, we have observed test pit explorations and made a bearing capacity assessment of the subsurface soils for foundation support of the proposed building at the above referenced site. This report summarizes our findings and recommendations and its contents are subject to the limitations set forth in Attachment A.

PROPOSED CONSTRUCTION

Based on information provided by PATCO Construction (PATCO), we understand the building will be a single-story, on-grade, pre-engineered metal building occupying a plan area of about 14,000 square-feet. According to the site plans prepared by Sebago Technics, we understand the building will have a finished floor elevation of 101.0 feet (project datum) and require tapered fills approaching 3 to 4 feet in thickness.

EXPLORATION WORK

Eight test pit explorations were made at the site on February 3, 2004 by Storey Brothers of Cumberland, Maine working under contract to PATCO. The test pit locations were selected by S.W.COLE ENGINEERING, INC. based on a site plan prepared by Sebago Technics (project civil engineer). The test pits were established in the field based on taped measurements from staked building corners established by PATCO. The approximate test pit locations are shown on the "Exploration Location Plan" attached as

04-0067
February 12, 2004

Sheet 1. Logs of the test pits are attached as Sheets 2 through 5. A key to the notes and symbols used on the logs is attached as Sheet 6.

SUBSURFACE CONDITIONS

The test pits generally encountered a soil profile consisting of 2 to 5.5 feet of clayey sand with silt (fill) and gravelly silty sand (fill) overlying a ½ to 1-foot thick relic topsoil layer with roots overlying up to 2 feet of orange-brown silty sand overlying very stiff brown silty clay. The fill and relic topsoil layers were not encountered in test pits TP-3 and TP-4. The exposed topsoil layer at TP-3 and TP-4 was observed to be 1 to 3 feet thick. The test pits were terminated at depths of 4.5 and 8.0 feet below the ground surface.

Slight groundwater seepage was observed in the test pits to depths of about 6 feet below the ground surface. The surface soils were frozen to a depth of 1 to 3.5 feet and the very stiff brown clays appeared wet of the optimum moisture content needed for compaction. Groundwater should be expected to fluctuate seasonally and during periods of heavy precipitation or snow melt.

Refer to the attached logs for more detailed descriptions of the subsurface findings at the test pit locations.

EVALUATION AND RECOMMENDATIONS

Based on the subsurface findings, the proposed construction appears feasible from a geotechnical standpoint. However, the fill and relic topsoil layers underlying the proposed foundations must be overexcavated to expose stable native non-organic soils (orange-brown silty sand or very stiff brown clay) and backfilled with compacted granular borrow. The width of overexcavation must extend one foot outward from the edge of footings for each foot of overexcavation depth. Based on the subsurface findings, it should be anticipated that it will be necessary to overexcavate below perimeter footings along the front wall, the two end walls and the westerly half of the back wall of the proposed building and interior footings within this general area. The overexcavated area should be backfilled with granular fill compacted in 1-foot lifts to at least 95 percent of its maximum dry density as determined by ASTM D-1557. The

04-0067
February 12, 2004

existing fill soils may be suitable for reuse as compacted fill provided they are at a moisture conditions that is suitable for the required compaction.

We recommend that excavation to subgrade be completed with a smooth-edged bucket to preclude disturbance of the olive-brown clays and orange brown silty sands anticipated at footing grade and at the base of overexcavated footing areas. We recommend that a S.W.COLE ENGINEERING, INC. observe overexcavated areas prior to backfilling and footing subgrades prior to the placement of foundation concrete.

For spread footings founded on properly prepared subgrades, we recommend an allowable soils bearing pressure of 2.0 ksf with a base friction factor of 0.35 for foundation design. Foundations exposed to freezing temperatures must be placed at least 4.5 feet below exterior finish grades in order to provide frost protection. We recommend that a perimeter underdrain be installed at footing grade. The underdrain must have a gravity outlet.

As discussed, S.W.COLE ENGINEERING, INC. is available to provide geotechnical observations and testing of soil, concrete, asphalt and structural steel construction materials during construction if necessary.

CLOSURE

If you have any questions or require additional assistance, please do not hesitate to contact us.

Sincerely,

S.W.COLE ENGINEERING, INC.

Timothy J. Boyce, P.E.
Senior Geotechnical Engineer

STATE OF MAINE
TIMOTHY J. BOYCE
No. 9263
REGISTERED PROFESSIONAL ENGINEER

Attachment A
Limitations

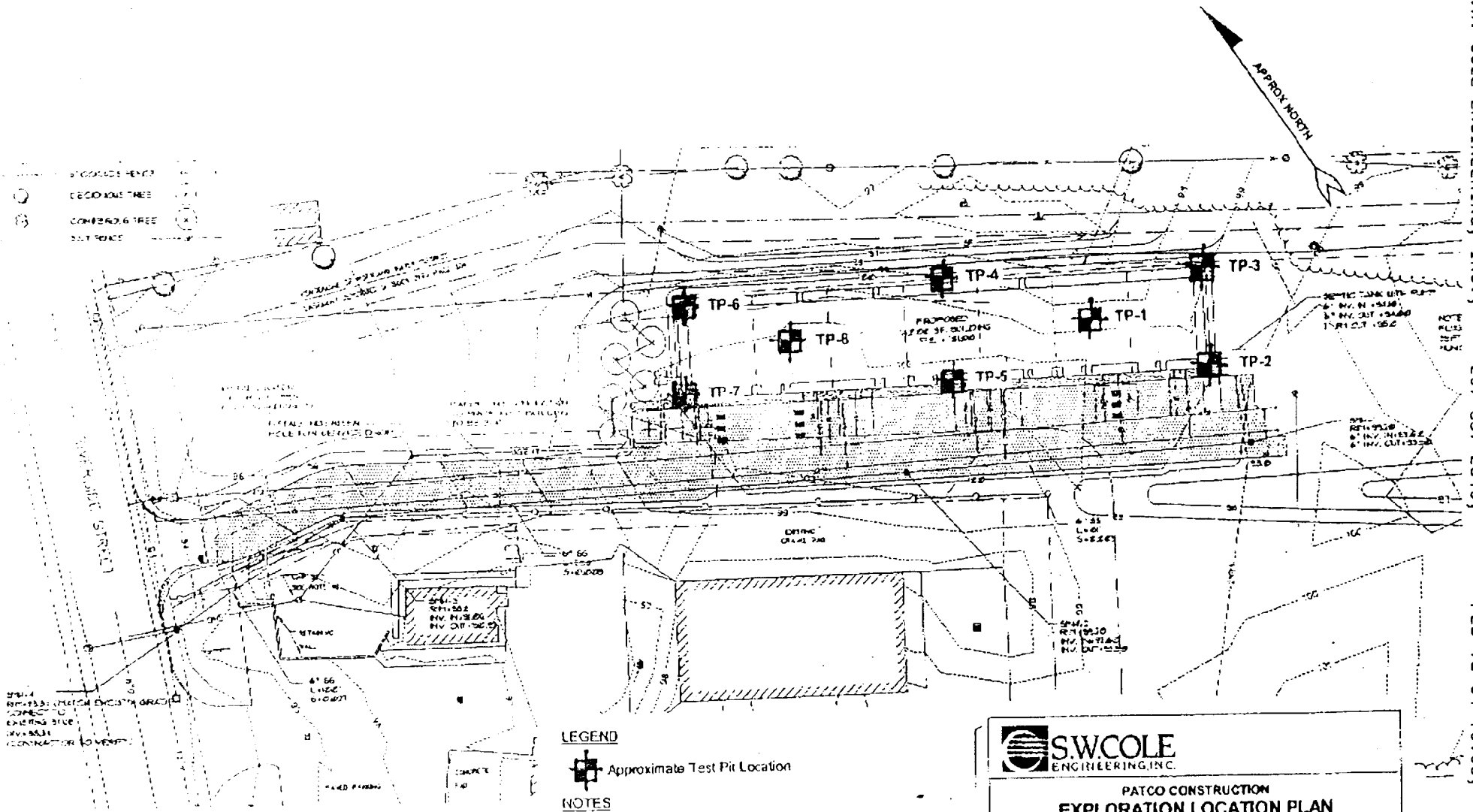
This report has been prepared for the exclusive use of PATCO Construction for specific application to the Proposed Phoenix Welding Building on Riverside Street in Portland, Maine as described herein. Our services were limited by PATCO Construction to an assessment of soil bearing capacity only and a deeper soils investigation to evaluate settlement and other geotechnical considerations was specifically excluded by PATCO Construction. PATCO Construction has agreed to protect and hold harmless S.W.COLE ENGINEERING, INC. from any and all claims, including third-party claims, for damages or consequential damages due to underlying soil conditions including but not limited to post-construction settlement. S.W.COLE ENGINEERING, INC. has endeavored to conduct the work in accordance with generally accepted soil and foundation engineering practices. No other warranty, expressed or implied, is made.

The soil profiles described in the report are intended to convey general trends in subsurface conditions. The boundaries between strata are approximate and are based upon interpretation of exploration data and samples. Observations have been made during exploration work to assess site groundwater levels. Fluctuations in water levels will occur due to variations in rainfall, temperature, and other factors.

The analyses performed during this investigation and recommendations presented in this report are based in part upon the data obtained from subsurface explorations made at the site. Variations in subsurface conditions may occur between explorations and may not become evident until construction. If variations in subsurface conditions become evident after submission of this report, it will be necessary to evaluate their nature and to review the recommendations of this report.

S.W.COLE ENGINEERING, INC.'s scope of work has not included the investigation, detection, or prevention of any Biological Pollutants at the project site or in any existing or proposed structure at the site. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the byproducts of any such biological organisms.

Recommendations contained in this report are based substantially upon information provided by others regarding the proposed project. In the event that any changes are made in the design, nature, or location of the proposed project, S.W.COLE ENGINEERING, INC. should review such changes as they relate to analyses associated with this report. Recommendations contained in this report shall not be considered valid unless the changes are reviewed by S.W.COLE ENGINEERING, INC.



LEGEND

Approximate Test Pit Location

NOTES

1. Base plan prepared by Sebago Technics
2. Exploration locations determined in the field by taped measurements from staked building corners.

S.W.COLE ENGINEERING, INC.

PATCO CONSTRUCTION

EXPLORATION LOCATION PLAN

PROPOSED PHOENIX WELDING BUILDING
RIVERSIDE STREET
PORTLAND, MAINE

PROJECT NO. 04-0067	SCALE: As shown
DATE: February 11, 2004	SHEET: 1

S.W.COLE ENGINEERING, INC.

TEST PIT LOGS

PROJECT/CLIENT: PROPOSED PHOENIX WELDING BUILDING / PATCO CONSTRUCTION
LOCATION: PORTLAND, MAINE

PROJECT NO. 04-0067

TEST PIT TP-1

DATE: 2/3/04 SURFACE ELEVATION: 99' +/-

SAMPLE NO : DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
		BROWN CLAYEY SAND SOME GRAVEL SOME ORGANICS (FILL)	
	3.2'		
		BROWN SAND SOME SILT (FILL)	
	4.0'		
S-1 : 4-4.5'	4.5'	-VERY STIFF- BROWN SILTY CLAY q_u = 6 - 8 KSF	w = 36.2 %
		BOTTOM OF EXPLORATION AT 4.5'	

COMPLETION DEPTH: 4.5'

NOTES: 2.5' FROST
MILD SEEPAGE TO 4.4'
NO CAVING

TEST PIT TP-2

DATE: 2/3/04 SURFACE ELEVATION: 99' +/-

SAMPLE NO : DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
		BROWN CLAYEY SAND SOME GRAVEL SOME ORGANICS (FILL)	
	2.0'		
		RELIC TOPSOIL HORIZON	
	2.8'		
S-1 : 3.0-4'		ORANGISH BROWN SILT AND SAND	w = 19.9 %
	4.5'		
		BROWN SILTY CLAY	
S-2 : 5.5-6'		DESICCATED q_u = 5 - 7 KSF	w = 30.4%
	6.5'	-VERY STIFF-	
		BOTTOM OF EXPLORATION AT 6.5'	

COMPLETION DEPTH: 6.5'

NOTES: 2.5' FROST
MILD SEEPAGE TO 6.0'
NO CAVING

S.W.COLE ENGINEERING, INC.

TEST PIT LOGS

PROJECT/CLIENT: PROPOSED PHOENIX WELDING BUILDING / PATCO CONSTRUCTION
LOCATION: PORTLAND, MAINE

PROJECT NO. 04-0067

TEST PIT TP-3

DATE: 2/3/04 SURFACE ELEVATION: 98' +/-

SAMPLE NO. / DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
	1.1'	LIGHT BROWN SANDY TOPSOIL	
	3.5'	ORANGISH BROWN SILTY SAND	
S-1 / 4.5-5'	6.0'	BROWN SILTY CLAY q_u = 6 - 8 KSF	w = 31.0%
		BOTTOM OF EXPLORATION AT 6.0'	

COMPLETION DEPTH: 6.0'

NOTES: 1.5' FROST
MILD SEEPAGE TO 5.2'
NO CAVING

TEST PIT TP-4

DATE: 2/3/04 SURFACE ELEVATION: 98' +/-

SAMPLE NO. / DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
	3.0'	ORGANIC MATTER (ROOTS) WITH SILTY SAND (FILL)	
	5.5'	BROWN SILTY CLAY -VERY STIFF- q_u = 5 - 7 KSF	
		BOTTOM OF EXPLORATION AT 5.5'	

COMPLETION DEPTH: 5.5'

NOTES: 2.0' FROST
MILD SEEPAGE TO 4.8'
NO CAVING

S.W.COLE ENGINEERING, INC.

TEST PIT LOGS

PROJECT/CLIENT: PROPOSED PHOENIX WELDING BUILDING / PATCO CONSTRUCTION
LOCATION: PORTLAND, MAINE
PROJECT NO. 04-0067

TEST PIT TP-5

DATE: 2/3/04 SURFACE ELEVATION: 100' +/-

SAMPLE NO	SAMPLE DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
		3.5'	BROWN GRAVELLY SILTY SAND (FILL)	
		4.3'	RELIC TOPSOIL HORIZON WITH ROOTS	
		5.0'	BROWN SILTY SAND SOME CLAY	
		6.5'	BROWN SILTY CLAY -VERY STIFF- q_p = 5 - 6 KSF	
			BOTTOM OF EXPLORATION AT 6.5'	

COMPLETION DEPTH: 6.5'

NOTES: 4.0' FROST
NO SEEPAGE
NO CAVING

TEST PIT TP-6

DATE: 2/3/04 SURFACE ELEVATION: 99' +/-

SAMPLE NO	SAMPLE DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
		4.0'	BROWN CLAYEY SAND SOME GRAVEL (FILL)	
		5.0'	RELIC TOPSOIL HORIZON	
		6.0'	BROWN SILTY CLAY -VERY STIFF- q_p = 5.5 - 6.5 KSF	
			BOTTOM OF EXPLORATION AT 6.0'	

COMPLETION DEPTH: 6.0'

NOTES: 2.5' FROST
MINOR SEEPAGE
NO CAVING

S.W.COLE ENGINEERING, INC.

TEST PIT LOGS

PROJECT/CLIENT: PROPOSED PHOENIX WELDING BUILDING / PATCO CONSTRUCTION
LOCATION: PORTLAND, MAINE
PROJECT NO. 04-0067

TEST PIT TP-7

DATE: 2/3/04 SURFACE ELEVATION: 100' +/-

SAMPLE NO.	SAMPLE DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
		1.0'	BROWN GRAVELLY SAND (FILL)	
		5.0'	BROWN CLAYEY SAND SOME GRAVEL (FILL)	
		6.0'	RELIC TOPSOIL HORIZON	
		8.0'	BROWN SILTY CLAY c_p = 7 - 8 KSF ~VERY STIFF~	
			BOTTOM OF EXPLORATION AT 8.0'	

COMPLETION DEPTH: 8.0'

NOTES: 1.0' FROST
MINOR SEEPAGE
NO CAVING

TEST PIT TP-8

DATE: 2/3/04 SURFACE ELEVATION: 100' +/-

SAMPLE NO.	SAMPLE DEPTH	DEPTH (FT)	STRATUM DESCRIPTION	TEST RESULTS
S-1	0-2'	5.5'	BROWN GRAVELLY SILTY SAND SOME CLAY (FILL)	
		6.0'	RELIC TOPSOIL HORIZON	
		6.5'	~VERY STIFF~ BROWN SILTY CLAY	
			BOTTOM OF EXPLORATION AT 6.5'	

COMPLETION DEPTH: 6.5'

NOTES: 3.5' FROST
MINOR SEEPAGE
NO CAVING

KEY TO THE NOTES & SYMBOLS
Test Boring and Test Pit Explorations

All stratification lines represent the approximate boundary between soil types and the transition may be gradual.

Key to Symbols Used:

w	-	water content, percent (dry weight basis)
q_u	-	unconfined compressive strength, kips/sq. ft. - based on laboratory unconfined compressive test
S_v	-	field vane shear strength, kips/sq. ft.
L_v	-	lab vane shear strength, kips/sq. ft.
q_p	-	unconfined compressive strength, kips/sq. ft. based on pocket penetrometer test
O	-	organic content, percent (dry weight basis)
W_L	-	liquid limit - Atterberg test
W_P	-	plastic limit - Atterberg test
WOH	-	advance by weight of hammer
WOM	-	advance by weight of man
WOR	-	advance by weight of rods
HYD	-	advance by force of hydraulic piston on drill
RQD	-	Rock Quality Designator - an index of the quality of a rock mass. RQD is computed from recovered core samples.
γ_T	-	total soil weight
γ_B	-	buoyant soil weight
HSA	-	Hollow Stem Auger
HW	-	4" Casing
NW	-	3" Casing
SS	-	split-spoon sampler

Description of Proportions:

0 to 5% TRACE
5 to 12% SOME
12 to 35% "Y"
35+% AND

REFUSAL: **Test Boring Explorations** - Refusal depth indicates that depth at which, in the drill foreman's opinion, sufficient resistance to the advance of the casing, auger, probe rod or sampler was encountered to render further advance impossible or impracticable by the procedures and equipment being used.

REFUSAL: **Test Pit Explorations** - Refusal depth indicates that depth at which sufficient resistance to the advance of the backhoe bucket was encountered to render further advance impossible or impracticable by the procedures and equipment being used.

Although refusal may indicate the encountering of the bedrock surface, it may indicate the striking of large cobbles, boulders, very dense or cemented soil, or other buried natural or man-made objects or it may indicate the encountering of a harder zone after penetrating a considerable depth through a weathered or disintegrated zone of the bedrock.

Varco Pruden Buildings, Inc.
WISCONSIN SERVICE CENTER
ENGINEERING GROUP

Date: 03/03/2004

To: Bill Rudman of PATCO
Copy:
Fax: 207-324-1643 number of pages 1
Copy fax:

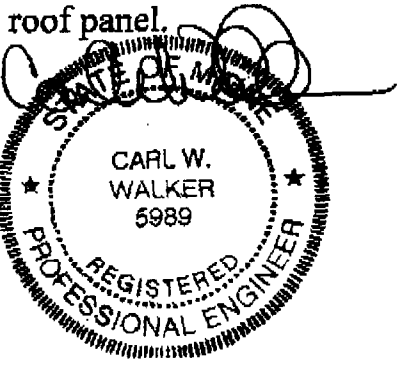
From: Carl W. Walker, PE
WI Service Center
ph: 608-882-5001 ext. 415
fax: 608-882-2370
e-mail: cwalker@vp.com

SUBJECT: WI0301217-01
Response to Code Compliance

Bill, below should address the following items required by the inspector:

- Unbalanced and Drift snow load – none required for the design of this project.
- Deflection Limits –L/150 vertical, L/120 horizontal for metal roof and walls.
- Load Combinations – the load combinations used are based upon the requirements of BOCA 99. See the report supplied by VP Buildings labeled "reactions package" to show all load combinations used.
- Flat snow roof snow load = 49.00 psf as shown on letter of certification
- Seismic soil profile type is S1 as defined to VP Buildings
- Fire Classification of roof covering – Class B – metal roof panel.

If you have any further questions, please let us know.



651-2809
TODAY
MONDAY

Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
MAR 26 2004
RECEIVED

Permit Number: 040013

This is to certify that Six G's Coed Llc /Patco Construction

has permission to Commercial / Build new 2,0[illegible] sq. Ft. C[illegible] ental unit 14000 Sqft Building

AT 563 Riverside St [illegible] L 306 B001001

provided that the person or persons [illegible]rm or [illegible]rpo[illegible]ion a[illegible]epting this permit shall comply with all of the provisions of the Statutes of [illegible]ine and of the O[illegible]ances of the City of Portland regulating the construction, maintenance and [illegible]e of buildings a[illegible]uctures, 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.

N[illegible]ificatio[illegible] Inspe[illegible]on mus[illegible]e g[illegible]n and w[illegible]en perm[illegible]on proc[illegible]d b[illegible]re this [illegible]lding or [illegible]rt there[illegible]s l[illegible]ed or [illegible]erwise [illegible]osed-in [illegible]4 H[illegible]UR NO[illegible]QUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept. [illegible]

Health Dept. _____

Appeal Board _____

Other _____
Department Name

5/26/04
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

306-B-1-7

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Planning Copy

2003-0210
Application I. D. Number

10/08/2003
Application Date

Office/Industrial Building
Project Name/Description

Six Gs Coed, LLC
Applicant

557 Riverside Street, Portland, ME 04103
Applicant's Mailing Address

Consultant/Agent

567 - 567 Riverside St, Portland, Maine
Address of Proposed Site

Applicant Ph: (207) 797-5830 **Agent Fax:**
Applicant or Agent Daytime Telephone, Fax

312 B003
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): ☑ New Building ☐ Building Addition ☐ Change Of Use ☐ Residential ☑ Office ☐ Retail ☐ Manufacturing ☑ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify)

14,000 s.f. | Proposed Building square Feet or # of Units
Acreage of Site
IH | Zoning

Check Review Required:

☑ Site Plan (major/minor)
☐ Subdivision # of lots
☐ PAD Review
☐ 14-403 Streets Review
☐ Flood Hazard
☐ Shoreland
☐ HistoricPreservation
☐ DEP Local Certification
☐ Zoning Conditional Use (ZBA/PB)
☐ Zoning Variance
☐ Other

Fees Paid: Site Plan **$400.00** Subdivision ____ Engineer Review **$1,184.00** Date **03/15/2004**

RECEIVED CITY OF PORTLAND

[redacted] Status: Reviewer **Kandi Talbot** MAR 2 5 2004

☑ **Approved** ☐ **Approved w/Conditions** See Attached ☐ **Denied**

RECEIVED

Approval Date **01/05/2004** Approval Expiration **01/05/2005** Extension to ____ ☐ Additional Sheets Attached

☑ OK [redacted] **03/24/2004**
signature date

JR. for KT 3-24-04

Performance Guarantee ☑ **Required*** ☐ **Not Required**

* No building permit may be issued until a performance guarantee has been submitted as indicated below

☑ Performance Guarantee Accepted	**03/24/2004** date	**$76,300.00** amount	**04/17/2005** expiration date
☑ Inspection Fee Paid	**03/23/2004** date	**$1,526.00** amount	
☐ Building Permit Issue	date		
☐ Performance Guarantee Reduced	date	remaining balance	signature
☐ Temporary Certificate of Occupancy	date	☐ Conditions (See Attached)	expiration date
☐ Final Inspection	date	signature	
☐ Certificate Of Occupancy	date		
☐ Performance Guarantee Released	date	signature	
☐ Defect Guarantee Submitted	submitted date	amount	expiration date
☐ Defect Guarantee Released	date	signature	

BUILDING PERMIT INSPECTION PROCEDURES
Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

____ **Pre-construction Meeting**: Must be scheduled with your inspection team upon receipt of this permit. Jay Reynolds, Development Review Coordinator at 874-8632 must also be contacted at this time, before **any** site work begins on any project other than single family additions or alterations.

____	**Footing/Building Location Inspection:**	Prior to pouring concrete
____	**Re-Bar Schedule Inspection:**	Prior to pouring concrete
____	**Foundation Inspection:**	Prior to placing ANY backfill
____	**Framing/Rough Plumbing/Electrical:**	Prior to any insulating or drywalling
____	**Final/Certificate of Occupancy:**	Prior to any occupancy of the structure or use. NOTE: There is a $75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection

____ **If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

____ **CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED**

_____ 3/26/04
Signature of Applicant/Designee Date

_____ 03/26/04
Signature of Inspections Official Date

CBL: 306-B001 Building Permit #: 040015

389 Congress St.Rm 315
Portland, ME 04101
Phone: (207)874-8700
Fax: (207)874-8716

facsimile transmittal

To: Dennis Waters **From:** Mike Nugent

Fax: 324-1643 **Date:** March 2, 2004

Phone 324-5574 **Pages:** 1

Re: 563 Riverside St. (306 B001)

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☑ **Please Reply** ☐ **Please Recycle**

Omitted Structural/Code Compliance information:

1) Unbalanced and Drift snow load (Sections 1608.5 and 1608.6)
2) Deflection limits (Section 1608.3)
3) Load Combinations (Section 1613.1)
4) Flat roof snow load (Section 1608.3)
5) Seismic soil profile type (Section 1610.3.1)
6) Fire Classification of roof covering (Section 1506.0)

This is basically it for my review, After I get this info and Planning authorizes the issuance (after the performance guarantees are reviewed and approved etc.) The permit can be issued.

HOLDING FOR PLANNING APPROVAL

PATCO CONSTRUCTION, INC.

Fax Transmittal

To: Portland Inspections Attn: Mike Nugent

Date: 3/4/04 Fax:

From: Dennis Waters No. of pages: 2

(including cover sheet)

Message:

- Stamped letter from V.P. Buildings re: your fax of 3/2/04.

- I will have the site improvement cost breakdown to Jay Reynolds today or tomorrow and the owner's are working on their performance guarantee.

Thanks,
Dennis

Phone: 207-324-5574 • Fax: 207-324-1643 • 1293 Main Street, Sanford, ME 04073 • www.patco-construction.com

3/26 - K.C. DID FOOTINGS

3/29 MJN DID THE FOUNDATION WALLS ON THE "RIGHT" SIDE. REBAR PLACED "STACKED" IN STEAD OF SIDE BY SIDE SEE FIG 3/S1 ON S2 CALLED STEVE GRANT ENGINEER PATCO ADVISED HE APPROVED

3/30 Rebar for Pour of kicker wall ok JB

3/31 Rebar for final Footing (Front wall) ok JB

4/1/04 - Footing + wall - front - ok MM

4-6-04 Plumbing Insp underground