



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

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, once my complete permit application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

Within 24-48 hours, once my permit application and corresponding paperwork has been electronically delivered, I intend to **hand deliver** a payment method to the Inspections Office, Room 315, Portland City Hall.

I intend to deliver a payment method through the U.S. Postal Service mail once my permit paperwork has been electronically delivered.

Applicant Signature:

Date:

I have provided digital copies and sent them on:

Date:

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

Room 315 - 389 Congress Street- Portland, Maine 04101 (207) 874-8703 - Fax: 874-8716 - TTY: 874-8936



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 IECC 2009
- Complete the Accessibility Certificate and The Certificate of Design
- A statement of special inspections as required per the IBC 2009
- 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.



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.

Address/Location of Construction:		
Total Square Footage of Proposed Structure:		
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Applicant Name: Address City, State & Zip	Telephone: Email:
Lessee/Owner Name : (if different than applicant) Address: City, State & Zip: Telephone & E-mail:	Contractor Name: (if different from Applicant) Address: City, State & Zip: Telephone & E-mail:	Cost Of Work: \$ _____ C of O Fee: \$ _____ Historic Rev \$ _____ Total Fees : \$ _____
Current 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: _____		
Who should we contact when the permit is ready:		
Address:		
City, State & Zip:		
E-mail Address:		
Telephone:		

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 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: _____	Date: _____
-------------------------	--------------------

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



Certificate of Design Application

From Designer: _____

Date: _____

Job Name: _____

Address of Construction: _____

2009 International Building Code

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

Building Code & Year _____ Use Group Classification (s) _____

Type of Construction _____

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC _____

Is the Structure mixed use? _____ If yes, separated or non separated or non separated (section 302.3) _____

Supervisory alarm System? _____ Geotechnical/Soils report required? (See Section 1802.2) _____

Structural Design Calculations

_____ Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Wind loads (1603.1.4, 1609)

- _____ Design option utilized (1609.1.1, 1609.6)
- _____ Basic wind speed (1809.3)
- _____ Building category and wind importance Factor, w , table 1604.5, 1609.5)
- _____ Wind exposure category (1609.4)
- _____ Internal pressure coefficient (ASCE 7)
- _____ Component and cladding pressures (1609.1.1, 1609.6.2.2)
- _____ Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

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

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

Flood loads (1803.1.6, 1612)

- _____ Flood Hazard area (1612.3)
- _____ Elevation of structure

Other loads

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



Accessibility Building Code Certificate

Designer: _____

Address of Project: _____

Nature of Project: _____

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.

Signature: _____

Title: _____

(SEAL)

Firm: _____

Address: _____

Phone: _____

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: _____

From: _____

These plans and / or specifications covering construction work on:

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

Signature: _____

Title: _____

(SEAL)

Firm: _____

Address: _____

Phone: _____

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



PHOTO
1
0941.jpg

Deering Oaks Bandstand: Front View. Anticipated work scope includes temporary shoring and replacement of three perimeter trusses (arrows) as well as front drip edge replacement and side edge drip edge and shingle replacement.



PHOTO
#2
2843.jpg

Deering Oaks Bandstand: Left Elevation: Replace exterior truss and matching truss on right elevation.



PHOTO
#3
06093.jpg

End Truss Connection at Girder Truss: Arrow shows end of Front Girder Truss. See Photo #4 for downward view of girder truss bottom chord bearing location.



PHOTO
#4
0990.jpg

Girder Truss End: Downward view of bootom chord bearing seat: It will be necessary to cut or burn away front plate at top and bottom of truss (arrow) to allow new girder truss to slide into place.

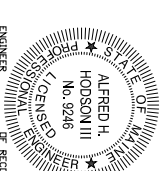
Deering Oaks Bandstand

Plot Plan



DEERING OAKS BANDSTAND STRUCTURAL STABILIZATION

27 NOVEMBER, 2013



RESURGENCE
ENGINEERING & PRESERVATION, INC.
132 BRENTWOOD STREET
PORTLAND, ME 04103
207.773.4880

DEERING OAKS BANDSTAND STRUCTURAL STABILIZATION PORTLAND, MAINE

COVER
SHEET

Date: 11/27/13
Issued for:

BID SET

G1.001

DRAWING LIST
G1.001 COVERSHEET, DRAWING INDEX & STRUCTURAL NOTES
S1.001 EXISTING AND PROPOSED FRAMING PLANS
S2.001 EXISTING TRUSSES & PROPOSED TRUSS REPAIRS
S2.002 TRUSS DETAILS
S3.001 NEW TRUSS DESIGN LOADS

STRUCTURAL DESIGN CRITERIA

1. MAINE UNIFORM BUILDING AND ENERGY CODE, 2009 EDITION, INCLUDING CONSIDERATION OF ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.*

WIND LOAD, PER IBC SECTION 1609/ASCE 7-02 CHAPTER 6	
BASIC WIND SPEED, 3 SEC GUST	100 mph
IMPORTANCE FACTOR, I_w	1.0
EXPOSURE CATEGORY	C
BUILDING CLASSIFICATION	III
VELOCITY PRESSURE COEF, K_z	0.91
TOPOGRAPHIC PRESSURE COEF, K_d	1.0
DIRECTIONALITY FACTOR, K_d	0.85
VELOCITY PRESSURE q	26.79 psf
SEE TRUSS DIAGRAMS ON SHEET S3.001 FOR RESULTANT UPLIFT PRESSURES ON TRUSSES	
SNOW LOAD, PER ASCE 7-05 CHAPTER 7:	
GROUND SNOW LOAD P_g	80 PSF (FIGURE 7-1)
EXPOSURE FACTOR C_e	1.0 (TABLE 7-2)
THERMAL FACTOR C_t	1.2 (UNHEATED, TABLE 7-3)
IMPORTANCE FACTOR I_s	1.1 (CATEGORY III, TABLE 7-4)
FLAT ROOF SNOW LOAD	55.4 PSF
DRIFTED SNOW LOADS AND DRIFT PER SECTION 7.6 OF ASCE 7-05	

STRUCTURAL DESIGN CRITERIA (CONTINUED)

SEISMIC LOAD, IBC SECTION 1616.0 EARTHQUAKE DATA PER SECTION 1616.3:	
SEISMIC USE GROUP	III
OCCUPANCY/IMPORTANCE FACTOR, I_p	1.1
SHORT PERIOD ACCELERATION S_s	0.29g
LONG PERIOD ACCELERATION S_1	0.19g
SITE CLASSIFICATION SOIL TYPE	D
MAXIMUM CONSIDERED EQ ACCEL. PARAMETER a_p	1.53
MAXIMUM CONSIDERED EQ ACCEL. PARAMETER r_p	2.40
SHORT PERIOD ACCELERATION (ASCE 9.4.1.2.4.1, S_{s1})	0.48g
LONG PERIOD ACCELERATION (ASCE 9.4.1.2.4.2, S_{s1})	0.192g
SHORT PERIOD DESIGN SPECTRAL RESPONSE ACC.	0.328g, SDC B
LONG PERIOD DESIGN SPECTRAL RESPONSE ACC.	0.128g, SDC B

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERMIT SAFE PASSAGE OF STAFF AND THE PUBLIC ADJACENT TO THE AREAS OF WORK IF REQUIRED.
2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND LOCAL SAFETY REQUIREMENTS. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE SAFETY OF ADJACENT PORTIONS OF THE BUILDING, ADJACENT PROPERTY, AND THE PUBLIC. THIS INCLUDES, BUT IS NOT LIMITED TO, PROVIDING AND MAINTAINING BOTH SIGNAGE AND FENCING THROUGHOUT THE DURATION OF THE PROJECT.
3. THE STRUCTURAL DESIGN OF THESE REPAIRS IS BASED ON THE FULL INTERACTION OF ALL CONNECTED COMPONENTS. NO PROVISIONS HAVE BEEN MADE FOR ANY TEMPORARY CONDITIONS THAT MAY ARISE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS, SHORING, AND TEMPORARY BRACING DURING THE PROGRESS OF THE PROJECT.
4. THE CONTRACTOR MUST HAVE A FULL-TIME SUPERINTENDENT ON SITE DURING CONSTRUCTION.

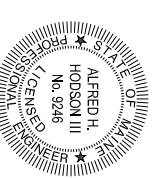
5. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE INCLUDED.
6. THE CONTRACTOR SHALL, PRIOR TO WORK, REVIEW WITH DESIGN TEAM AND OWNER ALL ASPECTS OF SITE ACCESS, WORK SCHEDULE, AND COORDINATION WITH OTHERS TO ENSURE SMOOTH PROJECT FLOW.
7. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS THAT MAY AFFECT THE WORK.
8. THE INSTALLATION AND OR REMOVAL OF PROPOSED MATERIALS SHALL NOT DAMAGE EXISTING COMPONENTS.

9. ANY MODIFICATION OR ALTERATION OF THESE CONSTRUCTION DOCUMENTS OR CHANGES IN CONSTRUCTION FROM THE INTENT OF THESE DRAWINGS BY THE CONTRACTOR WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND/OR ENGINEER SHALL REMOVE ALL PROFESSIONAL AND LIABILITY RESPONSIBILITY OF THE ARCHITECT AND/OR ENGINEER.
10. ALL CONTRACTORS ARE REQUIRED TO EXAMINE THE DRAWINGS AND SPECIFICATIONS CAREFULLY. VISIT THE SITE AND FULLY INFORM THEMSELVES AS TO ALL EXISTING CONDITIONS AND LIMITATIONS PRIOR TO SUBMITTING THEIR BID. FAILURE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND LIMITATIONS WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER FROM FURNISHING ANY MATERIALS OR PERFORMING ANY WORK IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. INCORRECT WORK SHALL BE RECTIFIED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

11. THE SUCCESSFUL CONTRACTOR OR SUBCONTRACTORS WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION CONFERENCE HELD AT A DATE AND TIME DETERMINED BY THE OWNER.
12. DO NOT SCALE FROM THE DRAWINGS.
13. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

GENERAL REQUIREMENTS

1. COORDINATE CONSTRUCTION TO ENSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK.
2. CONDUCT PROGRESS MEETINGS AT SITE AT WEEKLY INTERVALS OR AS NECESSARY. REQUIRE SUBCONTRACTOR ATTENDANCE AS REQUIRED FOR COORDINATION OF SITE ACTIVITIES.
3. COORDINATE EACH SHOP DRAWING SUBMITTAL WITH FABRICATION, PURCHASING, DELIVERY, AND RELATED ACTIVITIES. SUBMIT THREE COPIES OF EACH SUBMITTAL. PROVIDE SPACE TO RECORD REVIEW AND APPROVAL MARKINGS BY ENGINEER.
4. IDENTIFY DEVIATIONS FROM CONTRACT DOCUMENTS ON SUBMITTALS. REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT/ENGINEER.
5. SUBMIT SAMPLES FINISHED AS SPECIFIED AND PHYSICALLY IDENTICAL WITH PROPOSED MATERIAL OR PRODUCT. INCLUDE NAME OF MANUFACTURER AND PRODUCT NAME ON LABEL.
6. GENERAL CONTRACTOR WILL SUBMIT WEEKLY UPDATED GANTT CHART SCHEDULE TO SUBCONTRACTORS AND NEED-TO-KNOW PARTIES FOR COORDINATION PURPOSES.
7. DELIVER, STORE, AND HANDLE PRODUCTS USING MEANS AND METHODS THAT WILL PREVENT DAMAGE, DETERIORATION, AND LOSS, INCLUDING THEFT. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
8. SCHEDULE DELIVERY TO MINIMIZE LONG-TERM STORAGE AT PROJECT SITE AND TO PREVENT OVERGROWING OF CONSTRUCTION SPACES. DELIVER PRODUCT IN MANUFACTURER'S ORIGINAL SEALED CONTAINER OR PACKAGING, COMPLETE WITH LABELS AND INSTRUCTIONS FOR HANDLING, STORING, UNPACKING, PROTECTING, AND INSTALLING.
9. STORE PRODUCTS THAT ARE SUBJECT TO DAMAGE BY THE ELEMENTS UNDER COVER IN A WEATHER-TIGHT ENCLOSURE ABOVE GROUND, WITH VENTILATION ADEQUATE TO PREVENT CONDENSATION.
10. WHERE DRAWINGS SPECIFY A SINGLE PRODUCT OR MANUFACTURER, PROVIDE THE ITEM INDICATED THAT COMPLES WITH REQUIREMENTS.



RESURGENCE
 ENGINEERING & PRESERVATION, INC.
 132 BRENTWOOD STREET
 PORTLAND, ME 04103
 207.773.4890

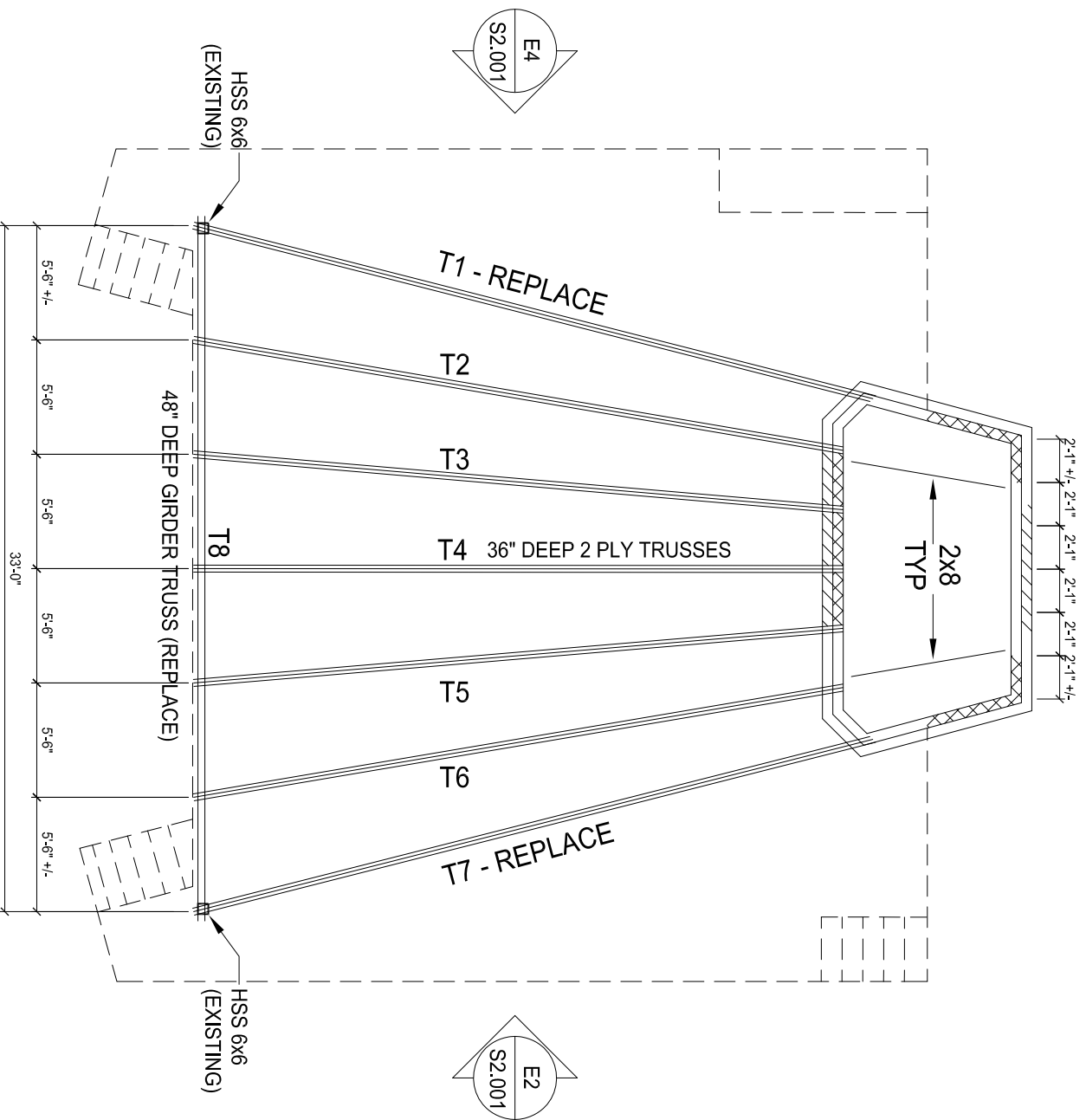
DEERING OAKS BANDSTAND STRUCTURAL STABILIZATION PORTLAND, MAINE

**FRAMING
 PLAN**

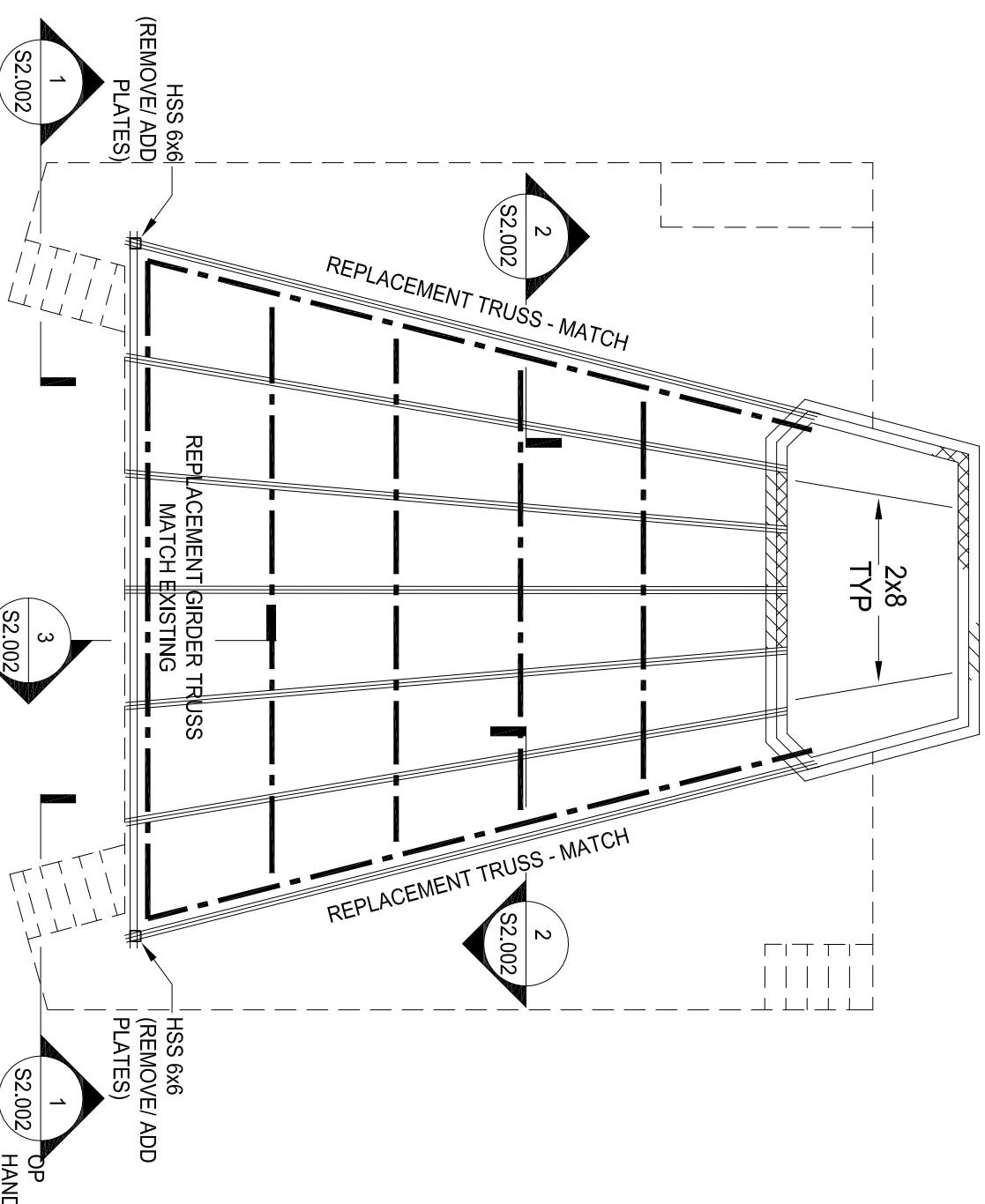
Date: 11/27/13
 Issued for:

BID SET

S1.001



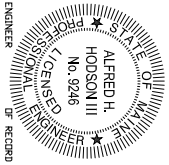
EXISTING ROOF FRAMING PLAN
 SCALE: $\frac{1}{4}'' = 1'-0''$



PROPOSED ROOF FRAMING STABILIZATION PLAN
 SCALE: $\frac{1}{4}'' = 1'-0''$

- SUGGESTION CONSTRUCTION SEQUENCE:**
1. INSTALL TEMPORARY SHORING ALONG TRUSSES T1, T7, T8. PROVIDE TOP AND BOTTOM CHORD LATERAL BRACING ON VERTICAL WEBS OF TRUSSES T2 THROUGH T6.
 2. PERFORM MISCELLANEOUS STRUCTURAL REPAIRS AT TRUSSES T2 THROUGH T6
 3. REMOVE TRUSSES T1, T7, T8
 4. CUT AWAY FRONT COLUMN PLATES AT ENDS OF T8
 5. REINSTALL T8; THEN REINSTALL T1 AND T7

LEGEND:
 - - - - - INDICATES SUGGESTED LINES OF TEMPORARY SHORING



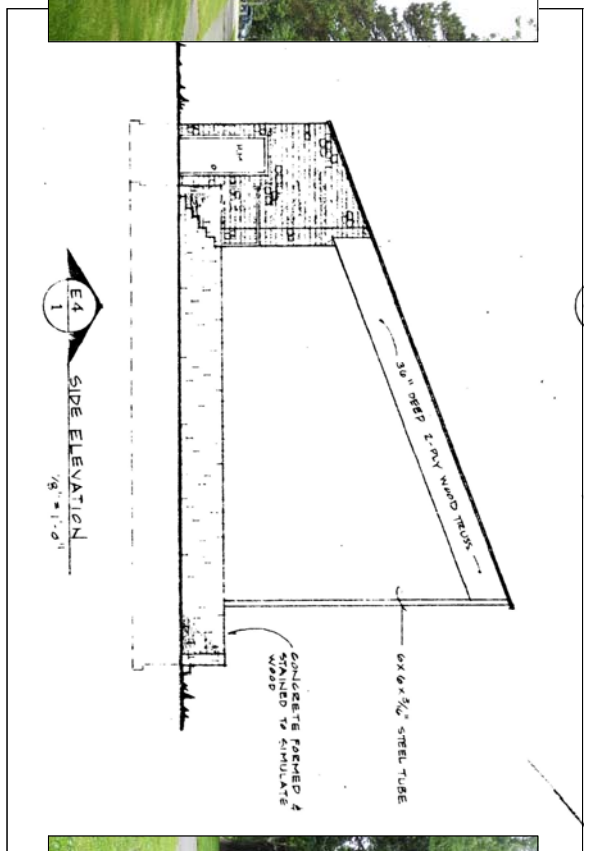
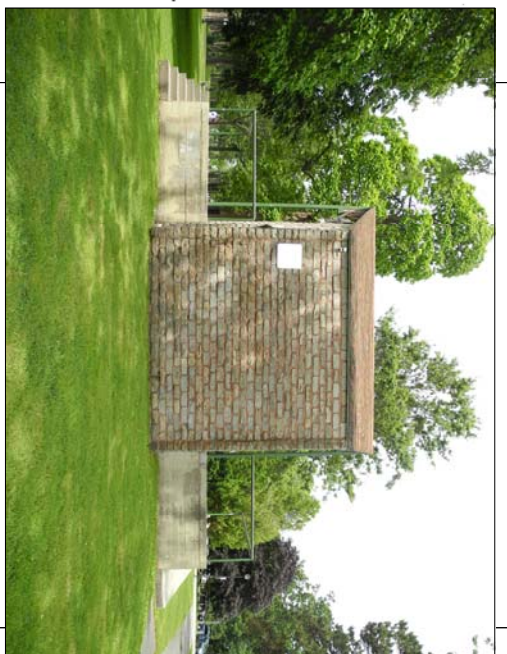
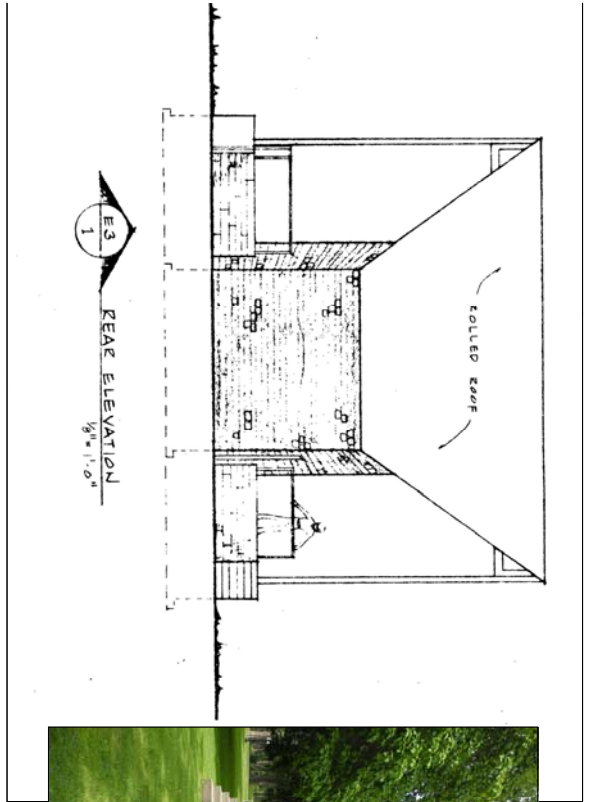
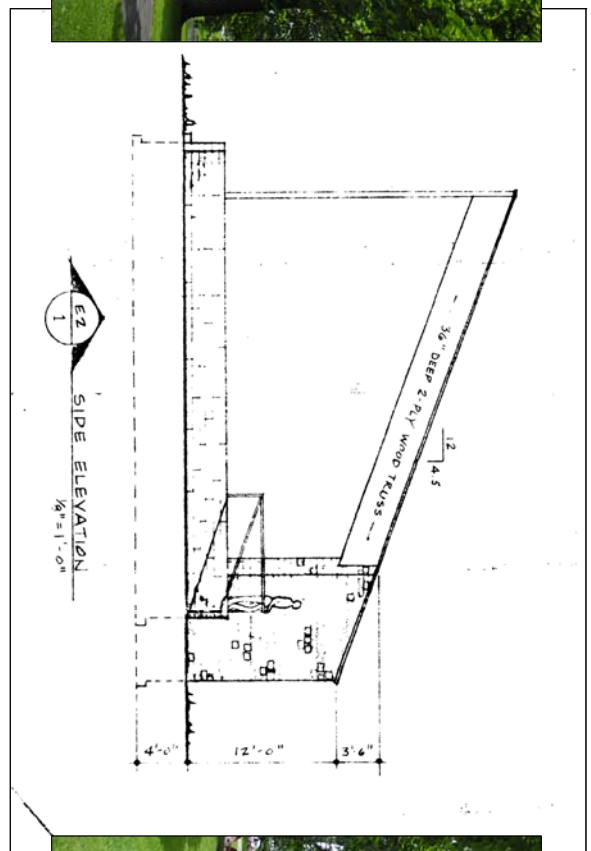
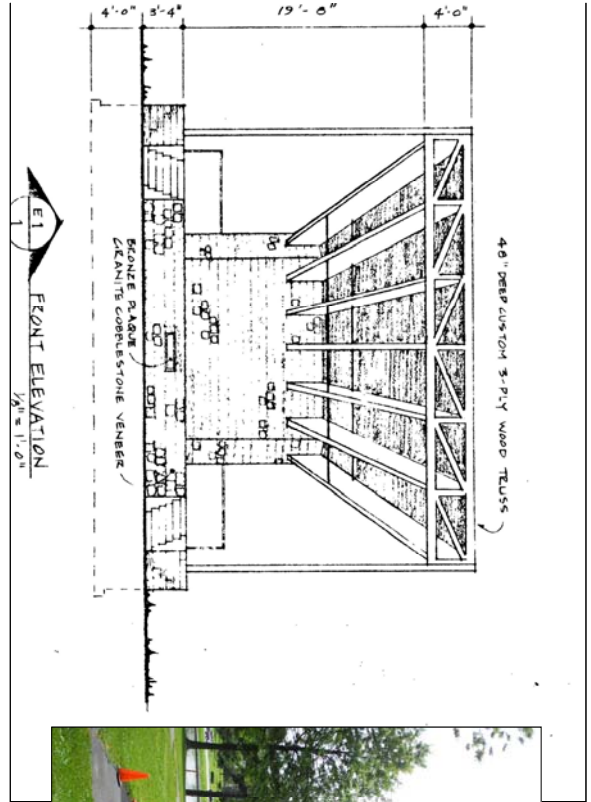
RESURGENCE
 ENGINEERING & PRESERVATION, INC.
 132 BRENTWOOD STREET
 PORTLAND, ME 04103
 207.773.44890

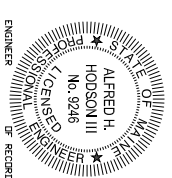
DEERING OAKS BANDSTAND STRUCTURAL STABILIZATION PORTLAND, MAINE

ELEVATIONS

Date: 11/27/13
 Issued for:
 BID SET

S2.001





RESURGENCE
 ENGINEERING & PRESERVATION, INC.
 132 BRENTWOOD STREET
 PORTLAND, ME 04103
 207.773.4880

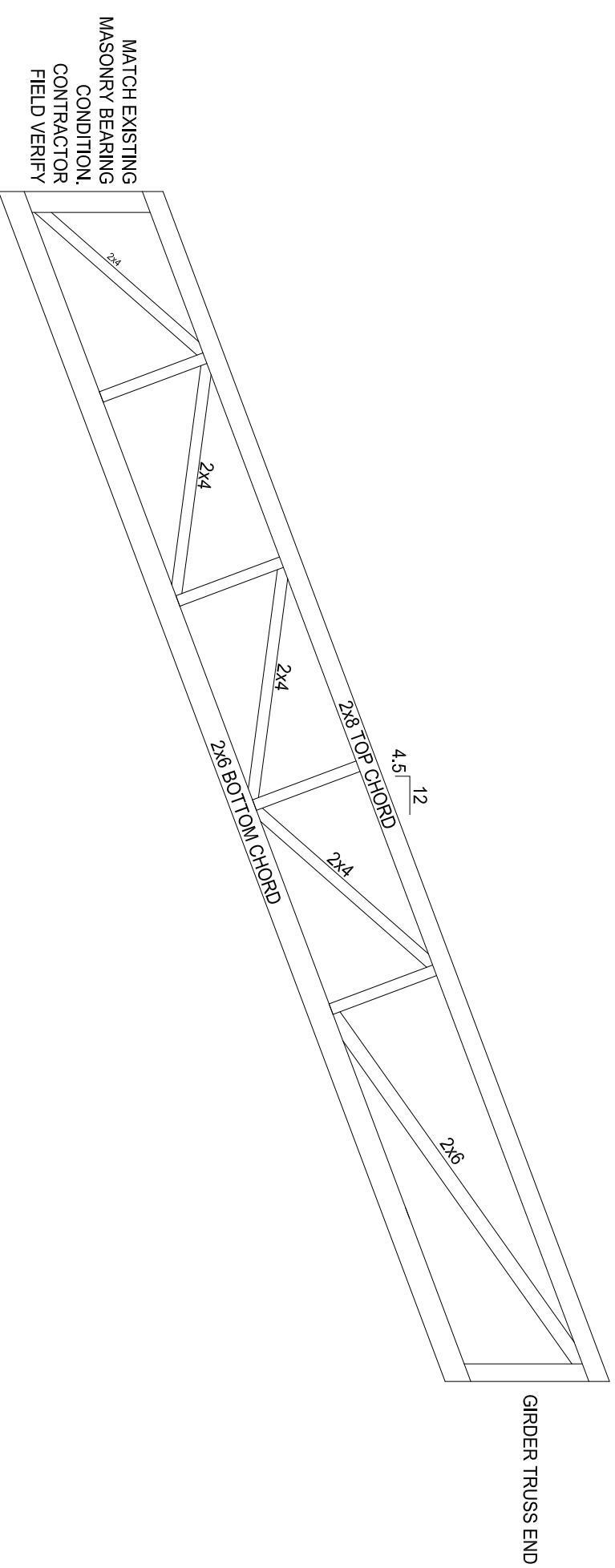
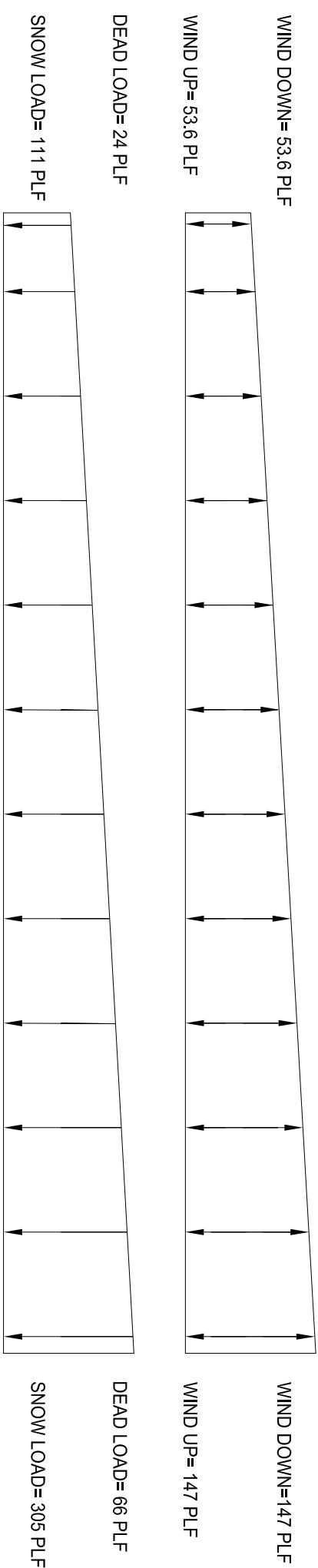
DEERING OAKS BANDSTAND STRUCTURAL STABILIZATION PORTLAND, MAINE

ELEVATIONS

Date: 11/27/13
 Issued for:

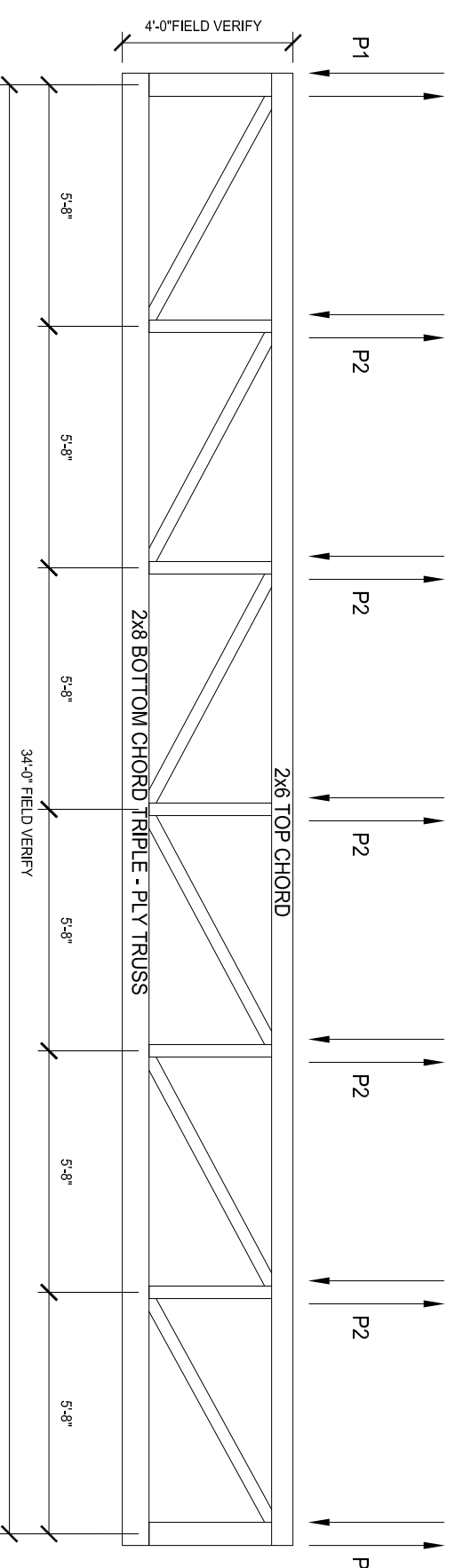
BID SET

S3.001



2 TRUSS 1 (TRUSS 7 OPP. HAND)
 SCALE: 1/2" = 1'-0"

P1 - EDGE TRUSS LOAD MAX. DOWNWARD LOAD (LOAD CASE 3)	3.2K
MAX. UPLIFT LOAD (LOAD CASE 7)	1.0K
P2 - INTERIOR TRUSS LOAD MAX. DOWNWARD LOAD (LOAD CASE 3)	4.8 K
MAX. UPLIFT LOAD (LOAD CASE 7)	1.5K



1 TRUSS 8 - GIRDER TRUSS
 SCALE: 1/2" = 1'-0"