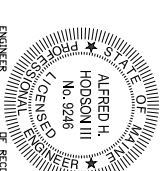


# DEERING OAKS BANDSTAND STRUCTURAL STABILIZATION

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## 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 7-10 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:	80 PSF (FIGURE 7-1)
GROUND SNOW LOAD $P_g$	1.0 (TABLE 7-2)
EXPOSURE FACTOR $C_e$	1.2 (UNHEATED, TABLE 7-3)
THERMAL FACTOR $C_t$	1.1 (CATEGORY III, TABLE 7-4)
IMPORTANCE FACTOR $I_s$	55.4 PSF
FLAT ROOF SNOW LOAD	
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:	III
SEISMIC USE GROUP	III
OCCUPANCY/IMPORTANCE FACTOR, $I_p$	1.1
SHORT PERIOD ACCELERATION $S_s$	0.29g
LONG PERIOD ACCELERATION $S_L$	0.19g
SITE CLASSIFICATION SOIL TYPE	D
MAXIMUM CONSIDERED EQ ACCEL. PARAMETER $a_p$	1.53
MAXIMUM CONSIDERED EQ ACCEL. PARAMETER $r_v$	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, $S_{s2}$ )	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 MARRINGS 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 MANUFACTURERS WRITTEN INSTRUCTIONS.
8. SCHEDULE DELIVERY TO MINIMIZE LONG-TERM STORAGE AT PROJECT SITE AND TO PREVENT OVERGROWING OF CONSTRUCTION SPACES. DELIVER PRODUCT IN MANUFACTURERS 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.