



INVITATION TO BID Addendum

CITY OF MILWAUKIE PUBLIC SAFETY BUILDING ROOF REPLACEMENT

REVISED BID DUE DATE: 1/28/15
TIME DUE: 2:30pm

Addendum # 1

Bid date has been extended from 1/21/15 to 1/28/15 (2:30pm). Bid requests will be taken until 1/20/15 and bid protests not later than 2/3/15.

This addendum forms a part of the Contract documents and modifies the original bidding documents (Project # F15) advertised December 17 & 29, 2014 as noted below:

Specification Modifications/Clarifications

Part 1: Modifications to Bid Documents

- A) Your bid submittal must include certification letter from materials manufacturer stating the contractor is certified to install roofing system as specified for this project. If not included, the bid will be considered non responsive.
- B) Section 00300, Exhibit 1 – Pricing Submittal Form, Bid/Tender Form, section 1.01, Bid Packages, sub section B, Unit Cost, (was on page 17) has been modified to reflect construction changes. Item C has been omitted (was page 18). Please use the revised bid form attached as Addendum Attachment A (pages 17-19).
- C) Section 07550, Part 1 – General – Section 1.15, Design and Performance Criteria (page 74) has been replaced. See Addendum Attachment B - ASCE 7-10 – Wind Uplift Calculations.
- D) Section 01500, (page 67-68) supersedes all other references to submittals for substitutions request found in the body of the specifications. Referenced Section 01740, Warranties and Guarantees, is attached as Addendum Attachment C.

Part 2: Construction Clarifications

- E) Section 07550, Part 3, Execution, section 3.4, Insulation Installation, sub section A, (page 79) is NOT necessary.
- F) Roof system has had a moisture survey conducted, with the existing roof system meeting the requirements for a retro-fit roof assembly as outlined in the IBC's.

This will now allow the City to re-roof over the existing system. Section 07565, Part 1 – General, section 1.1, Scope of Work, sub section A, (page 83) will now state the following:

“Provide all labor, equipment, and materials to clean the existing roofing of loose gravel, debris, and dispose of materials in a legally designated landfill.”

- G) All curbs and projections must be raised to meet NRCA standards or 8” from the top of the roofing assembly.
- H) All stainless steel counter flashing on the sight screen can be reused.
- I) Section 07550, Part 3, Execution, section 3.2, Preparation – Wood Deck, sub sections A, B & C, (page 78) should be removed and replaced with the following:

Preparation - Metal Deck

 - 1) Verify that all welds are good, that deck is in plane and that it is free from damage and deflection. Roof deck is 16 gauge steel deck.
- J) Existing roof assembly is as follows:

Metal deck, 3” of polyisocyanurate insulation that is mechanically attached to the deck, ½ recovery board mopped to the ISO, modified bitumen roof attached to the recovery board with either a mineral or gravel surface.
- K) Section 07550, Part 3, Execution, section 3.3, General Installation Requirements, sub section F, Item 4, (page 79) should be dropped and disregarded. (No cold process)

Part 3: Additional Bid Clarifications

- L) Roof plans and details will not be posted. Information from the mandatory pre-bid walk thru should be sufficient. Those who attended the pre-bid walk thru may contact Gary or Willie to schedule a site visit.
- M) The City has a sample manufacturer’s warranty/guarantee available for inspection with appointment through Gary or Willie.
- N) Substitution package must be in accordance with the spec which requires an engineer’s review and stamp.
- O) The existing roof and insulation system has been evaluated and it meets current energy code with a rating of R-20.

Addendum Attachments

- A) Revised Bid Form (Exhibit 1) (pages 17-19 of ITD packet)
- B) ASCE 7-10 (Wind Uplift Calculations)
- C) Section 01740 (Warranties and Guarantees)

Questions:

Gary Parkin, Public Works Director
City of Milwaukie
Phone: 503-786-7614
Fax: 503-786-7676
Email: parking@milwaukieoregon.gov

Questions:

Willie Miller, Facilities Maintenance Coordinator
City of Milwaukie
Phone: 503-786-7621
Fax: 503-786-7676
Email: millerw@milwaukieoregon.gov

SUBMIT BID TO:

City of Milwaukie
Gary Parkin
Public Works Director
Johnson Creek Facility
6101 S.E. Johnson Creek Blvd.
Milwaukie, OR 97206

Exhibit 1 – Pricing Submittal Form, Bid/Tender Form

THE CITY OF MILWAUKIE
Public Safety Building Roof Replacement

City of Milwaukie
Milwaukie, Oregon

Revised ITB Date: January 28, 2015, 2:30pm

TO:

City of Milwaukie
Attn: Gary Parkin, Public Works Director
6101 S.E. Johnson Creek Blvd.
Milwaukie, OR 97206

FROM:

Dear Sir,

Having carefully examined the Project specifications as well as the premises and conditions affecting the work, the Undersigned states he/she has the personnel and the means to complete the work and proposes to furnish all labor and materials and to perform all work required by and in strict accordance with the written specifications for the following sum:

Bibbers submit bid for all labor and material as identified in the following bid packages for the Modified Asphalt Built-up Roofing assemblies.

1.01 BID PACKAGES

- A. BASE BID – Public Safety Building, 30 year NDL warranted Modified Asphalt Built-up Roof System.** Refer to Scope of Work document and Mandatory Pre-bid conference/Bid Walk for details of particular bid package.

_____ DOLLARS (\$ _____)

B. UNIT COST – To replace wet and/or damaged roof system with insulation to a R-20 on Roof

Refer to Scope of Work document for details of particular bid package

_____ DOLLARS (\$)) per square foot

1.02 TIME OF COMPLETION

The undersigned agrees, if awarded the contract, to substantially complete the Work of this contract by:

- a) August 31, 2015.
- b) Fully complete the work within thirty (30) days after the above date.

1.03 CONTRACT & BONDS

Should the Undersigned be notified of the acceptance of this bid within 45 days after the time set for opening bids, he agrees to execute a contract for the above work, for a compensation computed from the above sums, and furnish certificate of insurance and performance, labor and material payment and maintenance bonds as required by the City of Milwaukie.

1.04 BID GUARANTEES

The Undersigned agrees that the check or bond accompanying this bid be left in escrow with the City of Milwaukie, that its amount or penal sum is the measure of damages which the City will sustain by the failure of the Undersigned to execute said agreement, certificate and bonds; and that if the Undersigned fails to deliver the said documents within 15 days after written notices of the award of the contract to him, then the check shall become the property of the City or the bid bond shall remain in full effect. But if this bid is not accepted within 45 days after the time set for opening bids, or if the Undersigned delivers said contract, certificate and bonds, then the check shall be returned to him or the bid bond shall become void.

1.05 CERTIFICATION LETTER

Bidder shall submit a letter with the bid form, from the roofing materials supplier certifying that the material supplier will supply daily on-site inspections, that they are ISO 9000 certified, and that the bidder is an approved applicator of the specified roof system.

Addendum Attachment A

1.06 LEGAL STATUS OF BIDDER

(Signature of Bidder)_____

By_____ (Printed Name)

_____ (Title)

(Legal name of person, firm or corporation)

(Business Address)

(Telephone Number)

State of Oregon Contractor's License No. _____

END OF SECTION



Salvatore R. Granata. P.E., C.E.

Phone: (678) 367-3151
Cell: (770) 301-5817
Toll Free: (877)346-5126

146 Lee Road 2012
Opelika, AL 36804

Fax: 866-815-4682
sal@srgpe.net
salgranata.com

Digital Certification Validation

Date: January 12, 2015

Project : # G-15002 - Garland - City of Milwaukie - Public Safety Building

Sealed Documents : Rev 0 Calculations pages 1 thru 6

This form is intended to provide certification to associate the engineer's seal and signature with the digital signatures on the Adobe PDF design documents listed above submitted for review on the above referenced project. Please note: a separate completed form is required for each digital signature generated for documents not listed above.

Engineer's Digital Certificate Fingerprint ID's

MD5 Digest **89 35 18 42 09 99 1D 9E 42 C5 AD 10 30 9D 60 62**

SHA1 Digest **76 E5 87 5C 3B 64 62 64 C3 15 25 90 17 09 A1 87 01 BB A6 EB**

If you have any further questions, please do not hesitate to contact me using the information below.

Sincerely,

Salvatore (Sal) Ray Granata, P.E., C.E.
California C.E. 60382

sal@srgpe.net

salgranata.com



EXPIRATION DATE: 6/30/2015



Salvatore R. Granata. P.E., C.E.

Phone: (678) 367-3151
Cell: (770) 301-5817
Toll Free: (877)346-5126

146 Lee Road 2012
Opelika, AL 36804

Fax: 866-815-4682
sal@srgpe.net
salgranata.com

The Garland Company, Inc.
3800 East 91st Street
Cleveland, OH 44105
Phone: 800 762-8225

City of Milwaukie - Public Safety Building
3200 SE Harrison Street
Milwaukie, OR 97222
Fastener Spacing Calculations



September 10, 2013



Design Criteria

Location: 3200 SE Harrison Street
Milwaukie, OR 97222
Latitude: 45.4461 Longitude: -122.629

General: Occupancy Category:

Wind Speed: ASCE7-10 Wind Results:

Risk Category I: 100

Risk Category II: 110

Risk Category III: 115 ←

MRI 10 Year: 72

MRI 25 Year: 79

MRI 50 Year: 85

MRI 100 Year: 91

ASCE7-05 Wind Results: Located within a special wind zone. Contact the local building department.

Wind Importance Factor (I_w):

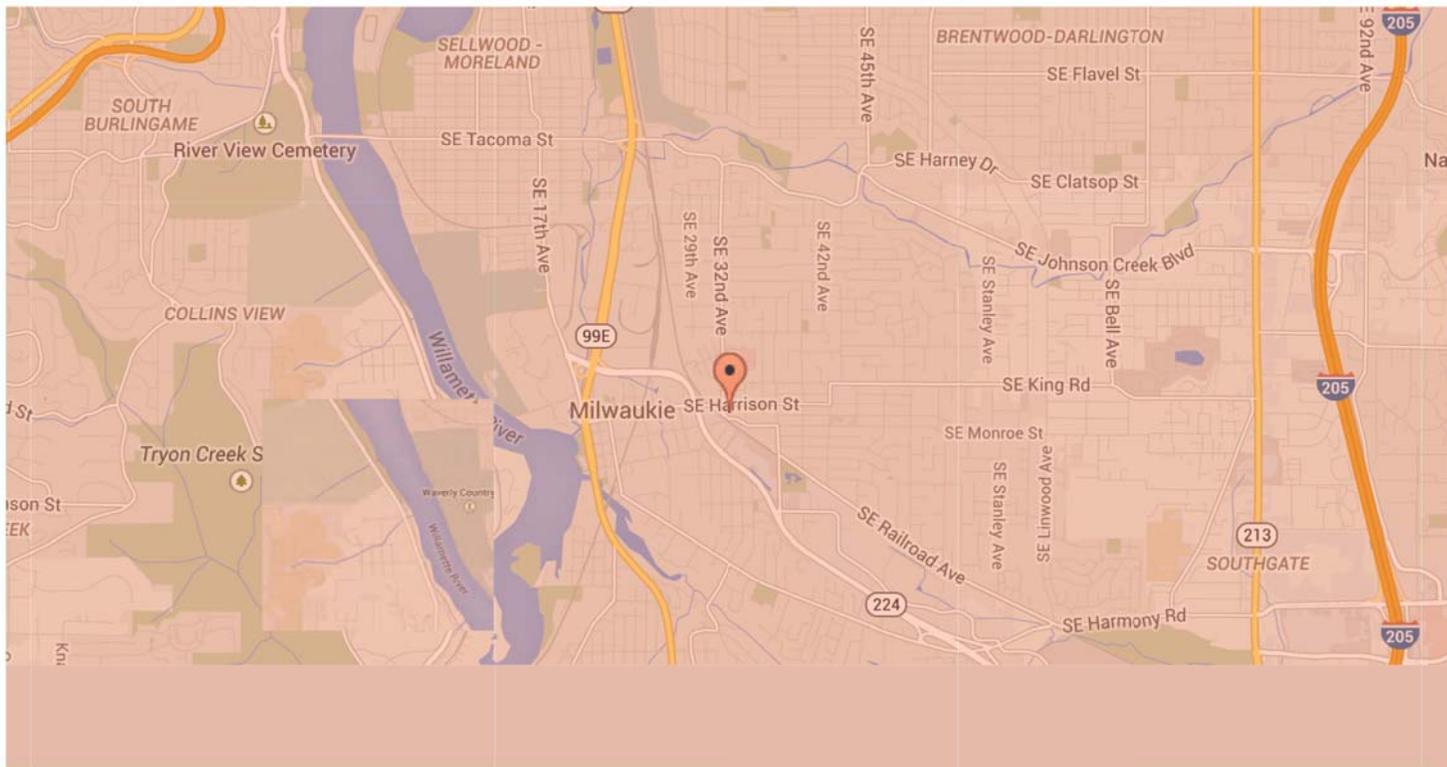
Select an Occupancy Category

Ground Snow: 10 PSF Up to Elevation 600 15 PSF Up to Elevation 800 20 PSF Up to Elevation 1000

Seismic: $S_s=0.984339$

$S_1=0.342331$

[Update Design Criteria](#)

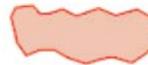


LEGEND

Windspeed Contour Lines

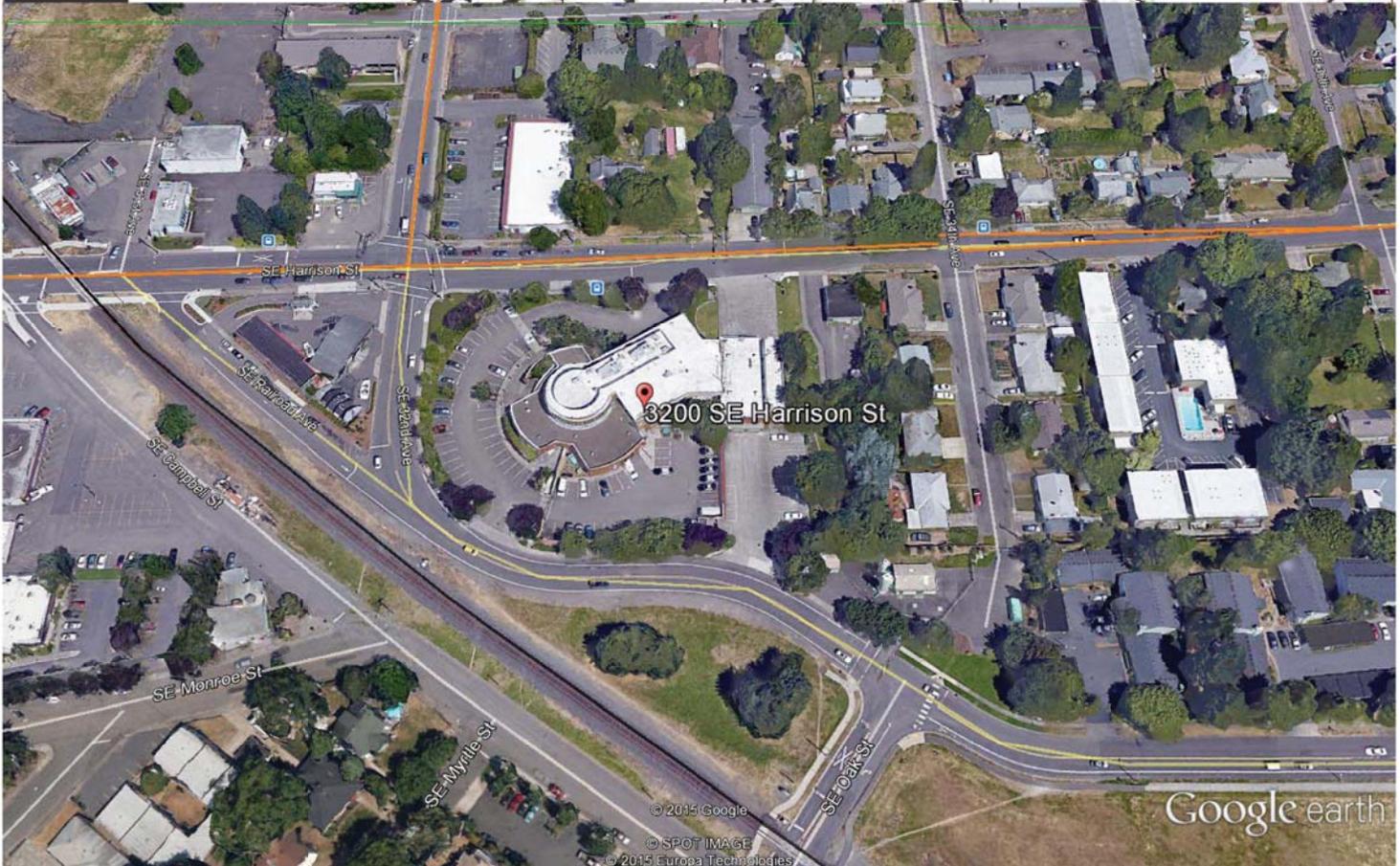
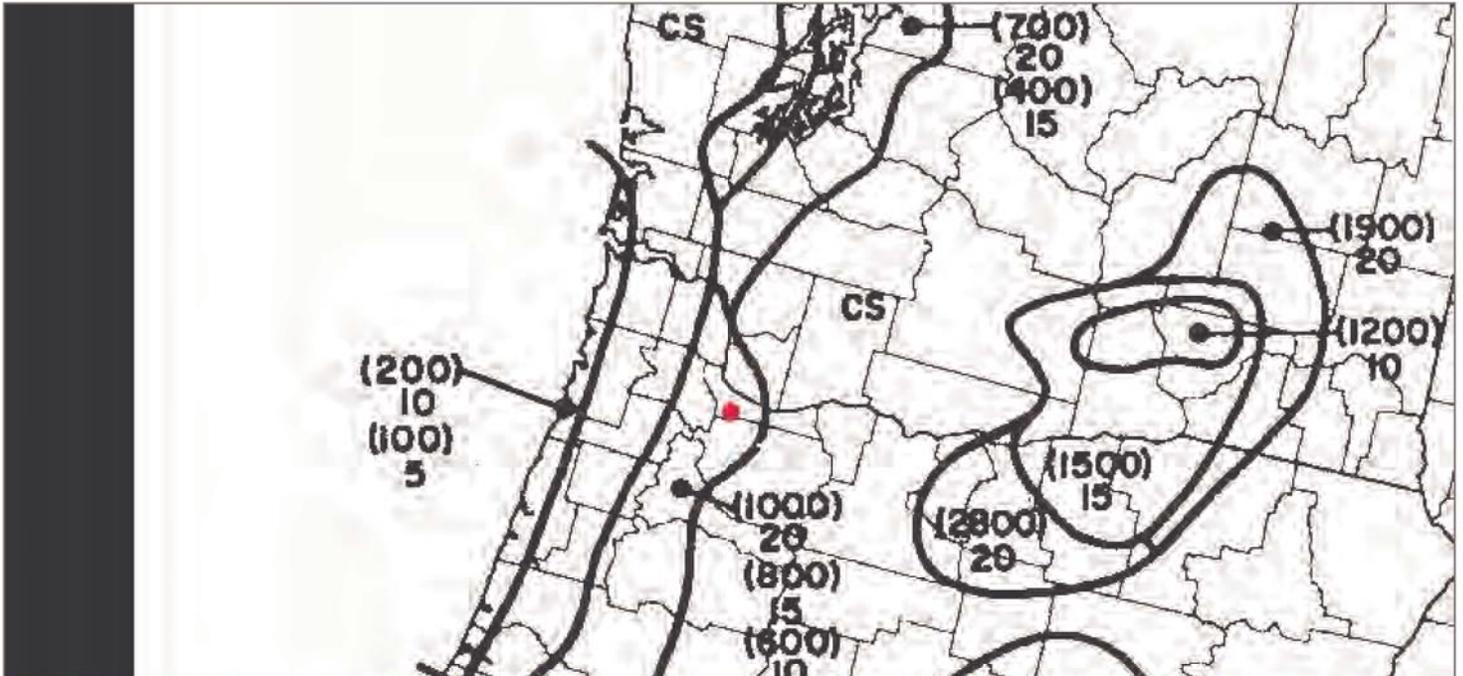


Hatched Areas



Special Wind Area
Contact the local building official
for design windspeed information.

Ground Snow Map



MecaWind Pro v2.2.6.1 per ASCE 7-10

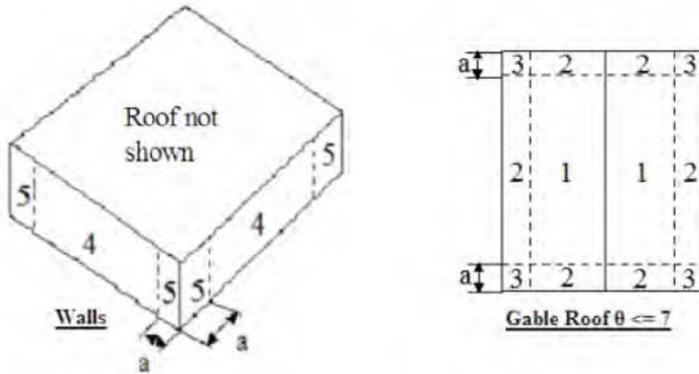
Developed by MECA Enterprises, Inc. Copyright www.mecaenterprises.com

Date : 1/12/2015	Project No. :
Company Name :	Designed By :
Address :	Description :
City :	Customer Name :
State :	Proj Location :

Input Parameters: Directional Procedure All Heights Building (Ch 27 Part 1)

Basic Wind Speed(V)	= 115.00 mph	Exposure Category	= D
Structural Category	= IV	Flexible Structure	= No
Natural Frequency	= N/A	Kd Directional Factor	= 0.85
Importance Factor	= 1.00		
Damping Ratio (beta)	= 0.01		
Alpha	= 11.50	Zg	= 700.00 ft
At	= 0.09	Bt	= 1.07
Am	= 0.11	Bm	= 0.80
Cc	= 0.15	l	= 650.00 ft
Epsilon	= 0.13	Zmin	= 7.00 ft
Slope of Roof	= 0.25 : 12	Slope of Roof(Theta)	= 1.19 Deg
h: Mean Roof Ht	= 22.03 ft	Type of Roof	= GABLED
RHt: Ridge Ht	= 22.70 ft	Eht: Eave Height	= 21.35 ft
OH: Roof Overhang at Eave	= .00 ft	Overhead Type	= No Overhang
Bldg Length Along Ridge	= 130.00 ft	Bldg Width Across Ridge	= 130.00 ft

Wind Pressure on Components and Cladding (Ch 30 Part 1)



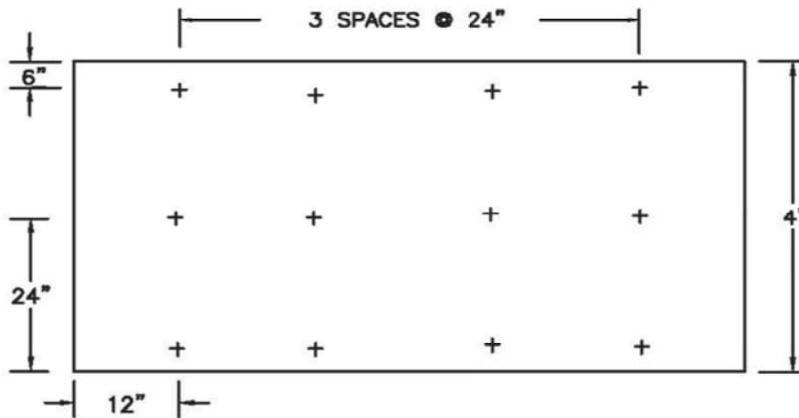
All pressures shown are based upon ASD Design, with a Load Factor of .6

Width of Pressure Coefficient Zone "a" = 8.81 ft

Description	Width ft	Span ft	Area ft^2	Zone	Max GCp	Min GCp	Max P psf	Min P psf
Zone 1	1.00	1.00	1.0	1	0.30	-1.00	9.60	-22.44
Zone 2	1.00	1.00	1.0	2	0.30	-1.80	9.60	-37.66
Zone 3	1.00	1.00	1.0	3	0.30	-2.80	9.60	-56.67
Zone 4	1.00	1.00	1.0	4	0.90	-0.99	20.54	-22.25
Zone 5	1.00	1.00	1.0	5	0.90	-1.26	20.54	-27.39

Khcc:Comp. & Clad. Table 6-3 Case 1 = 1.10
 Qhcc: .00256*V^2*Khcc*Kht*Kd = 19.02 psf

ZONES 1, 2 AND 3 INSULATION BOARD FASTENER PATTERNS: 12 FASTENERS PER BOARD (1:2.67 sqft)



Zone 3 : P = 56.7 psf

Load per Fastener =
 $P * 4' * 8' / 12 = 151 \text{ lbs}$
 Allowable = 540 lbs / 3
 Allowable = 180 lbs



Salvatore R. Granata, P.E., C.E.

Phone: (678) 367-3151 148 Lee Road 2012 Fax: 866-815-4682
 Cell: (770) 301-5817 Opelika, AL 36804 salgranata.net
 Toll Free: (877) 946-5126 salgranata.com

DETAIL:

4 X 8 BOARD PATTERN

SECTION:

INSULATION BOARD FASTENER PATTERN



**ROOFING
PRODUCTS**

153 BOWLES ROAD
AGAWAM, MA 01001
413-789-0252
800-633-3800
FAX: 413-789-1069
WWW.OLYFAST.COM

PRODUCT DATA SPECIFICATIONS

APRIL 2009

Typical Pullout Values

DECK TYPE	#12 STANDARD	#14 HEAVY DUTY	#15 XHD
18 ga. Steel	540 lbs.	585 lbs.	NA
20 ga. Steel	501 lbs.	535 lbs.	625 lbs.
22 ga. Steel	456 lbs.	485 lbs.	563 lbs.*
24 ga. Steel	325 lbs.	360 lbs.	450 lbs.
26 ga. Steel	280 lbs.	297 lbs.	325 lbs.
28 ga. Steel	245 lbs.	265 lbs.	295 lbs.

*Grade 33 deck at FM.
Pullout values for steel deck are subject to variation due to deck tolerances and tensile strength.

DECK TYPE	#12 STANDARD	#14 HEAVY DUTY
½" Plywood	364 lbs.	410 lbs.
⅝" Plywood	460 lbs.	502 lbs.
¾" Plywood	531 lbs.	590 lbs.
⅞" OSB	320 lbs.	346 lbs.
2" Spruce Plank	735 lbs.	820 lbs.

Pullout values for wood decks are subject to variation due to different species of wood and plywood grade.

DECK TYPE	OLYLOK FASTENERS
Cementitious Wood Fiber	176 lbs.
Gypsum	262 lbs.

Pullout values for OlyLok fasteners are subject to change due to variations in deck manufactures and condition.

DECK TYPE	CD-10	FLUTED NAIL	#14 HEAVY DUTY
3000 PSI Concrete	800–1000 lbs.**	800–1000 lbs.**	800–1000 lbs.**

**Values will be affected by aggregate size and type, and the condition/age of the deck.
These are typical values based on independent test results in new deck material.
Field test per ANSI FX-1 should be performed to confirm actual values.

Addendum Attachment C

SECTION 01740

WARRANTIES AND GUARANTEES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Preparation and submittal of warranties and guarantees.
- B. Schedule of submittals.

1.02 RELATED REQUIREMENTS

- A. Instruction to Bidders: Bid Bonds.
- B. Contractor's Performance and Payment Bonds.
- C. Section 01701 - Contract Closeout Procedures.
- D. Individual Technical Specifications Sections: Warranties and Guarantees required for specific products or work.

1.03 FORM OF SUBMITTALS

- A. Bind in commercial quality 8 ½ x 11 inch three-ring side binders, with hardback, cleanable, plastic covers.
- B. Label cover of each binder with typed or printed title 'WARRANTIES AND GUARANTEES', with Contract No. and Project Title; name, address and telephone number of Contractor.
- C. Table of Contents: Neatly typed, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified and the name of the product or work item.
- D. Separate each warranty or guaranty with index tab sheets keyed to the Table of Contents listing. Provide full information, using separate typed sheet as necessary. List subcontractor, supplier and manufacturer, with name, address and telephone number of responsible principal.
- E. Include a copy of the applicable warranty/guaranty in O & M manuals.

1.04 WARRANTY PERIOD AND PREPARATION OF SUBMITTALS

- A. Obtain warranties and guarantees, executed in duplicate by responsible subcontractors, suppliers, and manufacturers, within ten (10) days after completion of the applicable item of work. Date of beginning of time of warranty will be the date of Substantial Completion or date of Beneficial Occupancy if equipment is put to use by the Owner at date of Beneficial Occupancy. No warranty

Addendum Attachment C

shall start prior to equipment being put into operation. It is not necessary that all warranties shall start at the same time.

- B. Equipment warranty period: Manufacturer's standard warranty, minimum one year from above date of beginning of warranty, except as stated elsewhere.
- C. Full service period: Installing contractor shall provide for full service and maintenance for a period of one year for the equipment/systems, except as stated elsewhere. If, within this period, any equipment proves defective, it shall be repaired or replaced at no additional cost to MDAD.
 - (1) The service and maintenance shall include monthly inspections and adjustments, based on an Owner approved monthly service schedule.
 - (2) Each service and maintenance trip to the project shall be coordinated and reported to MDAD Maintenance and have a separate written report so an accurate log can be kept on the operation and problems of the installation.
 - (3) Monthly service schedule, showing tasks and service timetable, shall be submitted to MDAD Maintenance (through the FR), for review and approval prior to substantial completion.
 - (4) Coordination with MDAD and distribution of monthly maintenance/service reports to PM, CA, and MDAD Maintenance shall be the responsibility of the General Contractor.
- D. Co-execute submittals when required.
- E. Retain warranties and guarantees until time specified for submittal.

1.05 TIME OF SUBMITTALS

- A. Make submittals per Section 01300 and General Conditions.
- B. For items of work when acceptance is delayed beyond date of Substantial Completion, as stated in Section 01701, submit within ten (10) days after acceptance, listing the date of acceptance as the beginning of the warranty or guaranty period.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTIONS

Not Used

END OF SECTION