

REQUEST FOR QUOTATION	TROY SCHOOL DISTRICT 1140 RANKIN, TROY, MICHIGAN 48083 248-823-4052 FAX: 248-823-4077	REQUISITION
No. 9333		
DUE DATE 7-10-06 NO LATER THAN 3 p.m.		DATE 6-22-06

REQUEST FOR QUOTE – NOT AN ORDER

THIS FORM MUST BE UTILIZED WHEN RESPONDING TO THIS REQUEST
 BID ENVELOPE ENCLOSED

THE RFQ NUMBER MUST APPEAR ON ALL QUOTATIONS AND RELATED CORRESPONDENCE, THIS IS NOT AN ORDER

Quantity	DESCRIPTION	UNIT PRICE	AMOUNT
	<p>Please supply us with your bid to furnish the Troy School District with a POOL OVERHANG ROOF for Troy High School per the attached specifications.</p> <p style="text-align: center;">Copies of the bid are available at: www.troy.k12.mi.us/purchasing/items_out_for_bid.htm</p> <p style="text-align: center;">Bid recaps will be available at: troy.k12.mi.us/purchasing/index.htm</p> <p style="text-align: center;"><u>FACSIMILE BID IS NOT ACCEPTABLE</u></p> <p>Each bid shall be accompanied by a certified check, cashier's check, money order or bid bond made payable to the Troy School District in an amount not less than five percent (5%) of the base bid as a Bid guarantee.</p> <p>AFFIDAVIT OF BIDDER – MUST BE COMPLETE OR BID WILL BE REJECTED.</p> <p>Bids will not be accepted if submitted after the deadline specified (local time) in the advertisement to bid or in the information to bidders. The late submission of a bid makes the bid nonrepsonsive and is a material defect which shall not be waived by the Board of Education. Delays in the mail will not be considered. All Late bids in the mail will be returned to the bidder unopened.</p> <p>Proposal for the submission of alternatives by vendors will be accepted and reviewed. However, if any substitution or departure is not clearly noted and described, it will be understood that the bid intends to exactly meet the specifications.</p> <p>The Board of Education shall be the sole judge as to whether the proposed goods are "equal" or "approved". Quotations must be mailed or delivered to the Purchasing Office, 1140 Rankin, Troy, MI 48083 no later than 3 p.m. on the date shown above. Michigan State Sales and Use Taxes and Federal Excise Taxes do not apply unless otherwise indicated. Exemption certificates will be furnished when necessary. This request imposes no obligations on the buyer. The Board of Education reserves the right to accept or reject any or all bids or to split awards by items or to accept bids, which will best serve the Board of Education.</p>		

THIS AREA MUST BE FILLED IN

DELIVERY TIME	PRICES FIRM FOR	NAME OF COMPANY	TELEPHONE NO.
TERMS		NO. & STREET	FAX #
FOB DELIVERED	ALL DELIVERY CHARGES MUST BE INCLUDED IN PRICES SHOWN	CITY, STATE & ZIP CODE	E-MAIL
CONTACT PERSON (PLEASE PRINT)		SIGNATURE	DATE

**TROY SCHOOL DISTRICT
BID 9333 TROY HIGH SCHOOL
POOL OVERHANG ROOF**

SCOPE OF WORK:

- Remove all .045 mil EPDM rubber roofing membrane, Insulation, gravel stops, and metal decking over the Northeast and Southeast corners of the pool roof.
- Inspect/Repair/Replace all damaged wood and metal structural supports, wire-brush rust off of steel I-beam supports and prime pint with 2 coats Red Oxide Primer Rust Paint.
- Install new matching GALVANIZED steel decking to the treated substructure. Install matching base insulation and tapered insulation to the torn-out areas. Install new .045 mil EPDM roofing membrane over insulation including associated laps, flashing and penetration seals as required by the membrane manufacturer.
- Install new matching gravel stops.
- Install one 10" turbine metal air vent centered and through the metal decking on each entrance way roof.

Option 1:

Install new metal soffit and framing supports to fit into existing perimeter framing.

Option 2:

Inspect and repair the lower walkway roof over northeast corner with matching EPDM roof and flashing.

ROOF AND DECK REPLACEMENT

1. Rope-Off affected areas and lock exterior doors so student will NOT enter the construction area. Note: If school is in session a secured wire fence around the work area is required.
2. Tear-Off All roofing, insulation and flashing over the TWO (2) entrance ways measuring 13' X 10" and 13' X 25'.
3. Remove entire metal deck over entrance-ways and Inspect and report to Troy School District any damage to the metal and wood structural supports under the decking. Get approval for repairing and or replacing all damaged items. Repair and/or replace as necessary all approved discovered remedial work.

ROOF AND DECK REPLACEMENT - CONTINUED

4. Wire-brush all rust off metal I-beams and paint all exposed I-beams with 2 coats of Garland Rust-Go Red-Oxide primer at the rate of 250 square feet per gallon per coat.
5. Install and mechanically fasten new matching type "N" deck galvanized metal structural decking to the metal structural supports.
6. Install new matching Polyisocyanurate insulation over the new decking completely filling the open area.
7. Install new matching Tapered-EPS board over the base layers following the original configuration.
8. Lay-out and install new .045 mil EPDM membrane over the insulation including associated laps, flashing and penetration seals as required by the membrane manufacturer.
9. Install new matching metal gravel stop over the outside wall perimeters.
10. Install new 2" rock ballast over the new roofing at the rate of 1,000 pounds per 100 square feet.

Option 1 - Install new Garland Soffit panel metal including supports around and under existing soffit metal framing. Follow the enclosed construction and framing details.

Troy High School Pool Entry Soffit Specification Addition

- A. Soffit Framing system: Install a light gauge framing system for the purpose of attaching soffit panels. Framing shall be made from C6X8.2 36 KSI steel channels spanning the (13') thirteen feet width of both areas. These framing members shall be spaced every (5') five foot across the cross wise perpendicular direction. Attach each C6X8.2 channel to structural steel on either side through either:
- Fasten to existing structural steel bottom flange with 4 # 14 Tek 5 purlin fasteners.

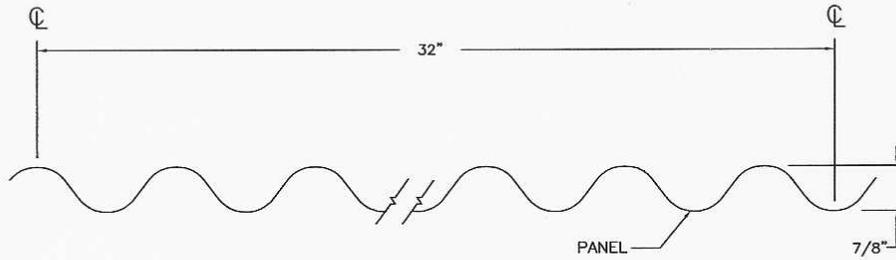
OR

- Weld a 3" pipe column to top of C6X8.2 channel flange and bottom of lower flange of exiting structural steel elevated above.
- Install a C6X8.2 channel perpendicular and along the center line of the 5' spaced channels and attach with 2 #14 purlin screws at each channel location.

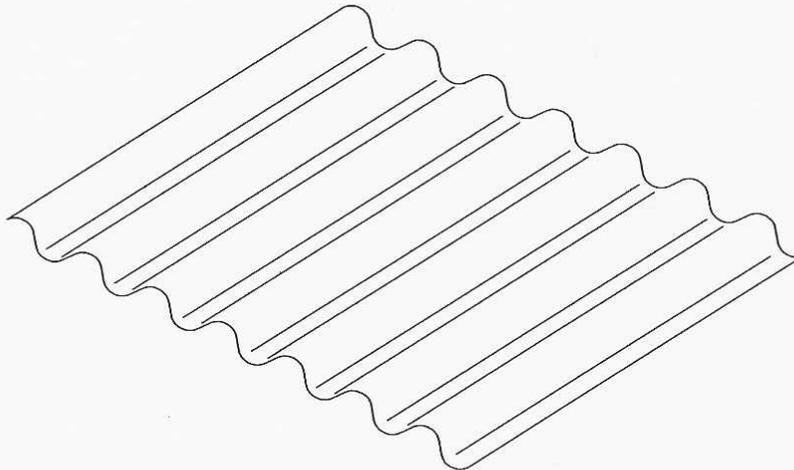
Troy High School Pool Entry Soffit Specification Addition - Continued

- B. Soffit Panel System: Install R-Mer Wave 0.032" Aluminum Soffit Panels to the soffit framing system. Attach R-Mer Wave panels to framing along each channel member with SSANCHOR screws spaced 12" o.c. Create seams between each panel in the lengthwise direction by joining with SSBUTYL tape in the lap and SSLAP screws spaced every 12" o.c. Create seams in the width wise direction at channel locations with SS ANCHOR screws.
 - C. The soffit perimeter shall be completed with a J channel trim piece made of the same material as the panel. R-Mer Wave Foam Closures shall be used to seam the end of the soffit panels.
 - D. NOTE: The enclosed Data Sheets show the R-mer Wave panels used in a wall configuration. Use the same fastening pattern in the horizontal soffit configuration specified here.
11. Install one 10" metal turbine air vent over each entrance way roof (total of 2 vents). **Note**: Cut hole in the metal decking to match the vent opening. Install wood nailer framing to the height of the insulation. Mechanically fasten the base flange of the vent into the wood nailers with galvanized deck screws and 1" washers. Roof-in and flash the vent according to the EPDM manufactures published specifications.
- Option 2** – Inspect and repair the low roof of covered entrance way of North East corner (13' X 25') using time and material quote listing materials and labor not to exceed **\$500**.
12. Complete job punch list with Garland Representative and complete repairs to all items on list.

R-MER WAVE



R-MER WAVE PROFILE



R-MER WAVE THRU-FASTENED WALL PANEL SYSTEM

RECOMMENDED FASTENERS:

ANCHOR FASTENER: 410 SS #12-14 X 1 1/4" HWH 3-PT
SELF-DRILLING HEX SCREW WITH NEOPRENE BONDED WASHER.
LAP SCREW: 410 SS 1/4-14 X 7/8" HWH 2-PT
SELF-DRILLING HEX SCREW WITH NEOPRENE BONDED WASHER.
TRIM SCREW: 410 SS #6 X 1/2" SELF-DRILLING PHILLIPS
SCREW WITH ROUND WASHER HEAD.



THE GARLAND COMPANY, INC.

3800 EAST 91st STREET
CLEVELAND, OHIO 44105-2197
—PHONE 1-800-321-9336—
FAX 1-216-641-0633

DETAIL:

R-MER WAVE WALL PANEL
DATA SHEET

SECTION:

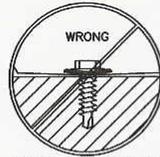
Panel System Details

REV: 04/04

R-MER WAVE



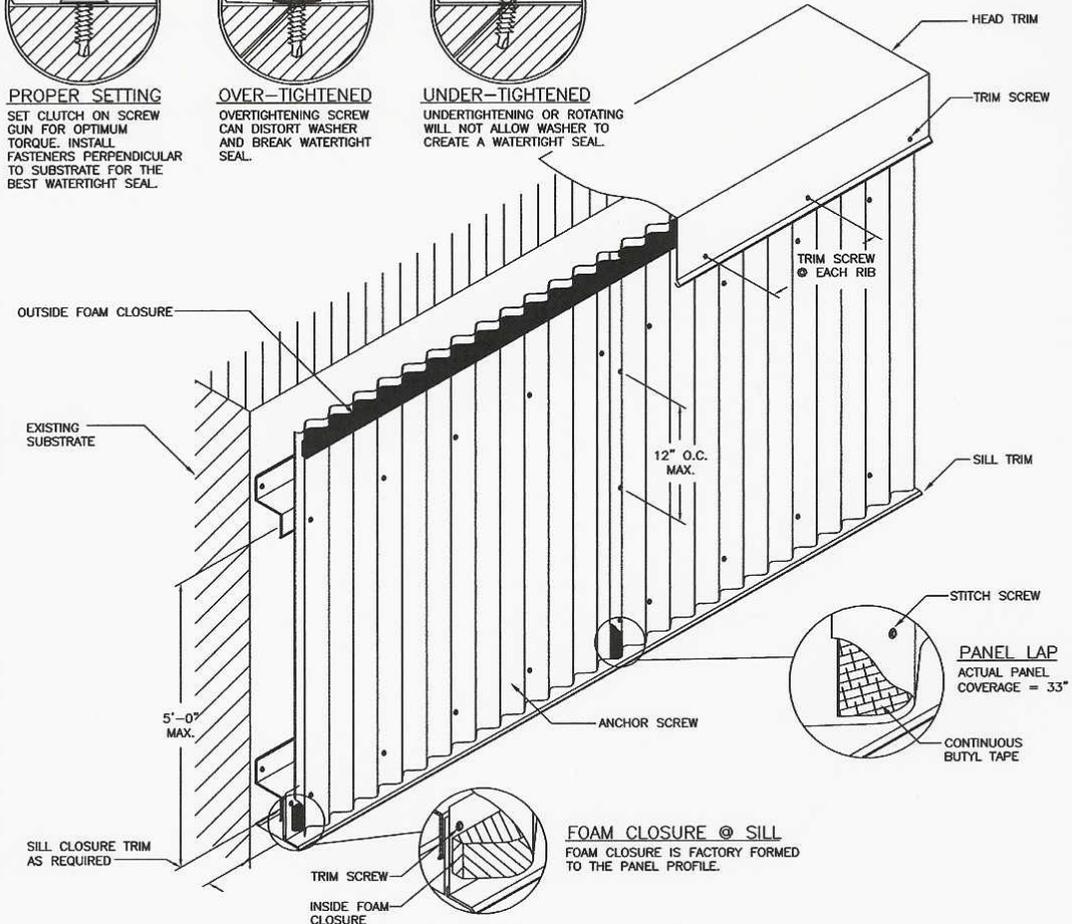
CORRECT
PROPER SETTING
 SET CLUTCH ON SCREW GUN FOR OPTIMUM TORQUE. INSTALL FASTENERS PERPENDICULAR TO SUBSTRATE FOR THE BEST WATERTIGHT SEAL.



WRONG
OVER-TIGHTENED
 OVERTIGHTENING SCREW CAN DISTORT WASHER AND BREAK WATERTIGHT SEAL.



WRONG
UNDER-TIGHTENED
 UNDERTIGHTENING OR ROTATING WILL NOT ALLOW WASHER TO CREATE A WATERTIGHT SEAL.



FASTENER AND ACCESSORY NOTES:		
<p>ANCHOR SCREW</p> <ul style="list-style-type: none"> ◆ 410 S.S. #12-14 X 1 1/4" HWH, 2-PT., SELF-DRILLING SCREW WITH NEOPRENE BONDED WASHER. ◆ HORIZONTAL SPACING = 5'-0" O.C. MAX. ◆ VERTICAL SPACING = 6" O.C. MAX. 	<p>STITCH SCREW</p> <ul style="list-style-type: none"> ◆ 410 S.S. 1/4"-14 X 7/8" HWH, 1-PT., SELF-DRILLING SCREW WITH NEOPRENE BONDED WASHER. ◆ VERTICAL SPACING = 12" O.C. MAX. 	<p>TRIM SCREW</p> <ul style="list-style-type: none"> ◆ 410 S.S. 1/4"-14 X 7/8" HWH, 1-PT., SELF-DRILLING SCREW WITH NEOPRENE BONDED WASHER. ◆ HORIZONTAL SPACING = 12" O.C. MAX.
<p>FOAM CLOSURE</p> <ul style="list-style-type: none"> ◆ INSIDE AND OUTSIDE CLOSURES. (1) ONE EACH PER 36" PANEL. ◆ WHEN INSTALLED PROPERLY, FOAM CLOSURE IS COMPRESSED 20%. 	<p>BUTYL SEALANT TAPE</p> <ul style="list-style-type: none"> ◆ BUTYL TAPE IS 1/8" THICK X 1/2" WIDE AND SUPPLIED IN ROLLS OF 45'-0". ◆ APPLIED TO NON-EXPOSED LAP CONDITION, THEN FASTEN LAP SCREWS @ 12" O.C. MAX. VERTICALLY. 	



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 3800 EAST 91st STREET
 CLEVELAND, OHIO 44105-2197
 —PHONE 1-800-321-9336—
 FAX 1-216-641-0633

DETAIL: R-MER WAVE WALL PANEL DATA & ACCESSORY SHEET
 SECTION: Panel System Details

ROOFING BID PROPOSAL FORM

The undersigned declares that he has carefully examined the instructions and Specifications dated June 9, 2006 and will furnish these items with such Specifications for the price set forth in this bid.

The undersigned has checked carefully the bid figures and understands that he shall be responsible for any error of omission in this bid offer and is in receipt of all addenda as issued.

It is understood and agreed that all items bid will be delivered f.o.b. job site and remain firm for at least forty-five (45) days from date of bid opening. It is further understood and agreed that the Troy School District Board of Education reserves the right to reject any or all bids, or parts of bids, or to split awards by items or to accept bids, which will best serve the interests of the Board of Education.

FIRM BIDS FOR ROOF REPLACEMENT:

Item 1:

On Troy High School, 4777 Northfield Parkway, Troy, Michigan 48098 over the pool roof section at the 2 entrance exposed deck overhangs measuring approximately 10' X 13' and 13' X 25': Remove all .045 mil EPDM rubber roofing membrane, insulation, gravel stops, and metal decking over the Northeast and Southeast corners of the pool roof. Inspect/Repair/Replace all damaged wood and metal structural supports, wire-brush rust off of steel I-beam supports and prime paint all exposed I-beams with 2 coats Red Oxide Primer Rust Paint. Install and secure new matching GALVANIZED steel decking to the treated substructure. Install matching base insulation and tapered insulation to the torn-out areas. Install new .045 mil EPDM roofing membrane over insulation including associated laps, flashing and penetration seals as required by the membrane manufacturer. Install new matching gravel stops. Install one 10" turbine metal air vent centered and through the metal decking on each entrance way roof. Option 1 – Install new metal soffit and supports to fit into existing perimeter framing. Option 2 – Inspect and repair the lower walkway roof over northeast corner with matching EPDM roof and flashing.

ROOFING BID PROPOSAL FORM - CONTINUED

The firm bid for the total sum of \$_____

(_____)

Item 2:

Option 1: Install new Garland Soffit R-mer Wave .032 aluminum panels including framing supports around and under existing soffit metal framing **at the 2 entrance exposed deck overhangs measuring approximately 10' X 13' and 13' X 25'**

The firm bid for the total sum of \$_____

(_____)

Item 3:

Option 2: – Inspect and repair the low roof of covered entrance way of North East corner (13' X 25') using time and material quote listing materials and labor.

Item 4:

TOTAL OF ITEM 1, ITEM 2 AND ITEM 3

The firm bid for the total sum of \$_____

(_____)

TROY SCHOOLS ROOFING BID PROPOSAL FORM (CONTINUED)

ROOFING PROPOSAL SUPPLEMENT FOR UNIT PRICES ROOFING PROJECTS

The unit prices listed below shall be submitted with bid. The unit prices shall be utilized in conjunction with minor additions or deletions to the work of this contract, or for work required due to unforeseen conditions.

The unit prices listed will also be used in awarding time and material repairs. Unit prices submitted shall include all cost of materials, labor, insurance, taxes, bond premiums, overhead and profit.

UNIT PRICES

The cost of work, added to or omitted from this contract, shall be computed at the prices listed below:

1. Steel Deck Replacement beyond the total 10' X 13' and 13' X 25' areas..\$_____ (Per square foot)
2. 2" x 4" Treated wood nailers installed.....\$_____ (Per linear foot.)
3. 2" x 6" Treated wood nailers installed.....\$_____ (Per linear foot.)
4. 2" x 8" Treated wood nailers installed.....\$_____ (Per linear foot.)
5. 2" x 10" Treated wood nailers installed.....\$_____ (Per linear foot.)
6. 45 MIL EPDM Rubber Flashing Membrane Repair perimeter walls\$_____ (Per square foot)
7. 45 MIL EPDM Rubber Field Roofing repairs.....\$_____ (Per square. Foot.)
8. 45 MIL EPDM Rubber Field Roof Replacement\$_____ (Per square. Foot.)
9. 45 MIL EPDM Rubber Field Roof Replacement\$_____ (Per square. Foot.)

Proposal Guarantee Bid Bond _____ Certified Check

Name of Company _____

Signature and Title _____
of Representative

Address _____

Telephone _____ Fax number _____

Start Date _____ Terms _____ Date _____

Estimated Time of Completion _____ days

Qty.		TROY SCHOOL DISTRICT Bid 9333 Pool Overhang Roof	CO.: Craine Roofing TERMS: Net 30 FIRM: 60	CO.: Royal Roofing TERMS: Net 30 Days FIRM:
	Qty.	Description	Total Price	Total Price
###		The firm bid for the total sum of \$	16,436.00	16,300.00
		Item 2: Option 1: Install new Garland Soffit R-mer Wave .032 aluminum panels including framing supports around and under existing soffit metal framing at the 2 entrance exposed deck overhangs measuring approximately 10' X 13' and 13' X 25'		
		The firm bid for the total sum of \$	10,970.00	11,800.00
		Item 3: Option 2: Inspect and repair the low roof of covered entrance way of North East corner (13' X 25') using time and material quote listing materials and labor.		
		The firm bid for the total sum of \$	500.00	500.00
		Item 4: TOTAL OF ITEM 1, ITEM 2 AND ITEM 3	27,906.00	28,600.00
		The firm bid for the total sum of \$		
		<u>UNIT PRICES</u>		
		The cost of work, added to or omitted from this contract, shall be computed at the prices listed below:		
		Steel Deck Replacement beyond the total 10' X 13' and 13' X 25' areas. .\$_____ (Per square foot)	6.50	5.50
		2" x 4" Treated wood nailers installed.....\$_____ (Per linear foot.)	1.50	3.50
		2" x 6" Treated wood nailers installed.....\$_____ (Per linear foot.)	1.75	4.00

		TROY SCHOOL DISTRICT Bid 9333 Pool Overhang Roof	CO.: Craine Roofing TERMS: Net 30 FIRM: 60	CO.: Royal Roofing TERMS: Net 30 Days FIRM:
Qty.	Qty.	Description	Total Price	Total Price
		2" x 8" Treated wood nailers installed.....\$_____(Per linear foot.)	2.00	4.50
		2" x 10" Treated wood nailers installed.....\$_____(Per linear foot.)	2.25	5.00
		45 MIL EPDM Rubber Flashing Membrane Repair perimeter walls\$_____(Per square foot)	4.00	9.00
		45 MIL EPDM Rubber Field Roofing repairs.....\$_____(Per square. Foot.)	4.00	9.00
		45 MIL EPDM Rubber Field Roof Replacement\$_____(Per square Foot.)	4.00	7.00
		45 MIL EPDM Rubber Field Roof Replacement\$_____(Per square Foot.)	4.00	7.00
		Proposal Guarantee Bid Bond _____ Certified Check	yes	yes

Lutz Roofing - No Bid
T. F Beck Roofing & Sheet Metal - No Response
Christen/Detroit - No Response
Fisher Roofing Company - No Response
J.K.M. Enterprises - No Response
Luduke Roofing & Sheet Metal

Schena Roofing - No Response
Schrieber Corp. - No Response
Stephenson Roofing Co. - No Response
North Roofing - No Response
Port Huron Roofing - No Response
Newton & Crane Roofing - No Response