

SOLICITATION FOR BIDS NOTICE TO BIDDERS

Sealed bids will be received by The Canadian County Public Facilities Authority for furnishing all equipment and materials for the following:

ROOF RECOVERING & REPLACEMENT FOR THE GARY MILLER CHILDREN'S JUSTICE CENTER, 7905 East US Highway 66, El Reno, Oklahoma.

Bids shall be submitted in duplicate and shall be addressed to:

Mr. David Anderson,, Chairman of Public Facilities Authority
c/o Canadian County Purchasing
P.O. Box 458
201 North Choctaw
El Reno, Oklahoma 73036

in a sealed envelope marked,
**"PROPOSAL-ROOF RECOVERING & REPLACEMENT for The Canadian County Gary
Miller Children's Justice Center, 7905 East US Highway 66, El Reno, Oklahoma,"**
with the name of the bidder.

Sealed bids will be received by:
Sherry Murray, Purchasing Agent
in the Canadian County Clerk's Office
located at the Canadian County Courthouse
201 North Choctaw
El Reno, Oklahoma 73036

Beginning at 3:00 pm on Tuesday the 3rd day of December until **3:00 P.M.** on Monday the **9th** day of December, **2013**, and will be read aloud and recorded at a public Bid Opening.

Pre-bid Conference will be held at the job site by the Architect at **11:00 A.M.** on the **21th** day of **November, 2013 at the project site**, Interested Bidders are requested to gather on the grounds at the east entry to the school building where a ladder will be set up to access the roof for a roof walk.

PROCUREMENT OF DOCUMENTS:

The Project Manual including Drawings, Bidding Documents and Project Specifications may be picked up in person at the Architect's address:

Roof Consultants
5350 East 46th Street, Suite 116
Tulsa, Oklahoma 74135

upon presenting a refundable Deposit of \$30 for one Copy of the Project Manual. Copies of the Project Manual may be requested of the Architect by mail, FAX or E-MAIL upon receipt of \$30 dollar Refundable Deposit plus an additional non-refundable fee of \$10 to cover the cost of handling and mailing expenses. Additional copies may be purchased from the Architect's Office at the address listed above for \$40 per set to cover the cost of printing and mailing or \$30 if picked up in person. A copy of the Project Manual will be available for review at the office of the Canadian County Purchasing Agent.

No bidder may withdraw their proposal for a period of thirty (30) days after the date set for the opening of bids.

The Owner reserves the right to reject any and/or all bids, wave formalities, and enter into such contract or contracts as shall be deemed in the best interest of Canadian County.

CANADIAN COUNTY PUBLIC FACILITIES AUTHORITY

A handwritten signature in black ink that reads "David Anderson". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Date: NOVEMBER 11, 2013.

By: Mr. David Anderson, Chairman

ADDENDUM NUMBER ONE**Roof Consultants**

5350 E. 46th St., Suite 116
Tulsa, Oklahoma 74135

**Roof Replacement for
Gary Miller Children's Justice Center**

7905 East U. S. Highway 66
El Reno, Oklahoma

ADDENDUM NUMBER ONE**ISSUED:** November 22, 2013

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS TO THE SAME EXTENT AS THOUGH IT WERE ORIGINALLY INCLUDED THEREIN, AND IT SHALL SUPERSEDE ANYTHING CONTAINED IN THE PLANS AND SPECIFICATIONS WITH WHICH IT MIGHT CONFLICT.

TO CONTRACTOR FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR ALL WORK IN CONNECTION WITH THE ABOVE PROJECT.

SPECIFICATIONS

Item No.1: Section 00300- Bid Form: Paragraph 1.6D and 1.6E; It is not the intent of Canadian County to limit the number of qualified manufacturers of the FleeceBack TPO roofing systems to only one manufacturer but rather to provide the best performing roofing system that funds will allow for the Gary Miller Children's Justice Center buildings. Therefore, Change the maximum hail warranty to 2" for 60 mil and 80 mil FleeceBack TPO systems.

Item No.2: Section 01005 – Administrative Provisions: Paragraph 1.2 Paragraph 1.2C change "2" hail warranty" to "1" hail warranty". Paragraph 1.2D change "2" hail warranty" to "2" hail warranty". Paragraph 1.2D change "4" hail warranty" to "2" hail warranty".

Item No.3: Section 07539 - Thermoplastic Single-Ply TPO FleeceBack Roofing. Delete the specification that was issued with the Project Manual dated November 15, 2013 and use the Section 07539 included with this Addendum No.1.

Item No.4: Section 07620 – Flashing and Sheet Metal; Change Paragraph 1.1D to read as follows "Inspect existing metal copings and fascias for damage. If found undamaged do not remove and replace. Terminate new base flashing at parapets with termination bar and sealant and 3" metal "slip flashing" at roof side of copings. If fascias are damaged, remove and replace with new fascias of same finish and dimensions. If existing fascias are found undamaged, wrap the top flange of the existing fascia with new roof membrane and terminate with termination bar and sealant and cover with new metal fascia strip flashed to the new roof. New recover fascia shall have a minimum 4" vertical face secured with continuous cleats and shall be fastened to existing perimeter nailer at 3" on center with galvanized roofing nails. Contractor's Option: Remove and replace existing fascias with matching size and finish new fascia.

Item No.5: Division 15 - MECHANICAL; Paragraph 2 Delete entirely. All missing mechanical equipment has been reinstalled and is in working condition. If it is necessary to disconnect and lift any roof top mechanical equipment for the proper installation of the new roofing, it shall be the responsibility of the Contractor to do so and restore the equipment to working condition.

DRAWINGS

Item No.6: Sheet A1 East Demolition Plan at School Bldg.: Delete the note in the center of Roof Area #4 that reads " curb missing HVAC UNIT". SCOPE OF WORK delete notes #3 & 4. Undamaged coping may remain in place. All roof top mechanical equipment has been reinstalled and is working.

Roof Area No.1: It should be assumed for the purpose of Bidding that the Recovered Roof's ½" Wood Fiber Retrofit insulation is mechanically attached. If the underlying roof is damaged by demolition of the recovered roof, repair shall be made by the Contractor before recovering with new roofing.

Item No.7: Sheet A2 East New Roof Plan at School Bldg.: SCOPE OF WORK BASE BID, Delete reinstallation of existing coping if found undamaged.

Item No.8: Sheet A3 Existing Roof Photos at School Bldg.: Photo #4; Delete the requirement to reinstall the missing HVAC unit. This work has already been completed.

Item No.9: Sheet B1 West Demolition Plan at Administration Bldg.: SCOPE OF WORK BASE BID, Delete the requirement to remove and store undamaged coping for reinstallation. Undamaged coping and fascia may remain in place.

Roof Area No.7,8,9 & 10: It should be assumed for the purpose of Bidding that the Recovered Roof's ½" Wood Fiber Retrofit insulation is mechanically attached. If the underlying roof is damaged by demolition of the recovered roof, repair shall be made by the Contractor before recovering with new roofing.

Item No.10: Sheet B2 West New Roof Plan at Administration Bldg.: SCOPE OF WORK BASE BID, Delete reinstallation of existing coping if found undamaged.

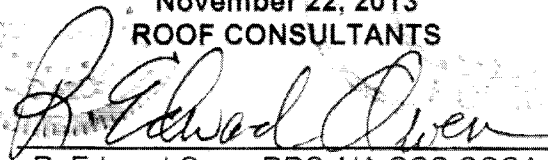
Item No.11: Sheet R2 TPO Roof Recovering Details: Detail D; Metal bar and anchors and Peel & Stick R.P.S. strip can be eliminated if not required by the roof membrane.

Item No.12: ADD Sheet R11 Fascia Details: as included with this Addendum No.1.

END OF ADDENDUM No.1

November 22, 2013

ROOF CONSULTANTS



R. Edward Owen, RRC, AIA, CCS, CCCA

TERMINATION BAR & MECHANICAL FASTENERS

NEW FASCIA w/CONT. CLEAT FASTEN @ 3" O.C.

STRIP FLASHING & EDGE SEALANT

NEW ROOF MEMBRANE

OLD ROOF MEMBRANE

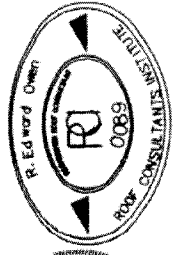
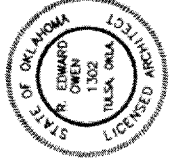
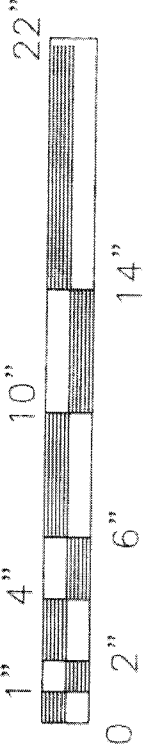
OLD ROOF TO BE REMOVED

OLD ROOF INSULATION

UNDAMAGED EXISTING FASCIA

4"
MIN.

GRAPHIC SCALE



OKLAHOMA CERTIFICATE OF AUTHORITY #911
EXPIRES 7-30-2015

PROJECT NO. 201226
ROOF RECOVERING AT SCHOOL BUILDING
GARY MILLER CHILDREN'S JUSTICE CENTER
7905 EAST US HIGHWAY 66
EL RENO, OKLAHOMA

FASCIA DETAIL

PLANS AND ESTIMATES PREPARED BY:
ROOF CONSULTANTS

5350 E. 46th St. Suite 116 Tulsa, OK 74135 (918) 660-8844

DRAWN: MSC 11/25/13

DESIGNED: RED 10/9/13

SURVEY

RECOMMENDED:

SHEET NUMBER:

R11

FILE:

DATE 11/25/13

SHEET R11 OF 8 SHEETS

Section 07539
Thermoplastic Single-Ply TPO FleeceBack Roofing

PART 1 GENERAL

1.01 DESCRIPTION

- A. The Canadian County Gary Miller Children's Justice Center is located at 7905 East US Highway 66. in El Reno, Oklahoma.
- B. The work of the Alternate No.2 consists of recovering the existing roof with 45 mil White Direct Applied FleeceBack TPO roof membrane adhered with foam adhesive at Roof Areas 2, 3 & 4 and removal of the top Modified Bitumen roof at Roof Areas No. 1, 7, 8 9 & 10 and recovering with a direct applied White Direct Applied Fully Adhered 45 mil TPO FleeceBack Thermoplastic Single-Ply roof membrane recover system and providing the Roof Manufacturer's 15 year Full Systems No Dollar Limit Warranty against material and labor defects and leaks and the Applicator's 2 year Warranty for defects in materials and workmanship and a 1" hail resistance Warranty.
- C. The work of the Alternate No.3 consists of recovering the existing roof with 60 mil White Direct Applied FleeceBack TPO roof membrane adhered with foam adhesive at Roof Areas 2, 3 & 4 and removal of the top Modified Bitumen roof at Roof Areas No. 1, 7, 8 9 & 10 and recovering with a direct applied White Direct Applied Fully Adhered 60 mil TPO FleeceBack Thermoplastic Single-Ply roof membrane recover system and providing the Roof Manufacturer's 20 year Full Systems No Dollar Limit Warranty against material and labor defects and leaks and the Applicator's 2 year Warranty for defects in materials and workmanship and a 2" hail resistance Warranty.
- D. The work of the Alternate No.4 consists of recovering the existing roof with 80 mil White Direct Applied FleeceBack TPO roof membrane adhered with foam adhesive at Roof Areas 2, 3 & 4 and removal of the top Modified Bitumen roof at Roof Areas No. 1, 7, 8 9 & 10 and recovering with a direct applied White Direct Applied Fully Adhered 80 mil TPO FleeceBack Thermoplastic Single-Ply roof membrane recover system and providing the Roof Manufacturer's 20 year Full Systems No Dollar Limit Warranty against material and labor defects and leaks and the Applicator's 2 year Warranty for defects in materials and workmanship and a 2" hail resistance Warranty.

1.02 EXTENT OF WORK

- A. Provide labor, materials, tools, equipment, and supervision necessary to complete the installation of the Thermoplastic FleeceBack TPO Roofing System including flashings and insulation as specified herein and as indicated on the drawings in accordance with the manufacturer's most current specifications and details.
- B. The roofing contractor shall be fully knowledgeable of requirements of the contract documents and shall make himself aware of job site conditions that will affect work.
- C. Confirm given information and advise the building owner, prior to bid, of any conflicts that will affect the cost proposal.
- D. Contractors who intend to submit a bid using a roofing system other than the approved manufacturers shall submit for pre-qualification in writing seven (7) days prior to submitting a bid. Contractors who fail to submit information as requested will be subject to rejection. Bids stating "as per plans and specs" will be unacceptable.

1.03 SUBMITTALS

- A. Prior to starting work submit the following:
1. Submit a Pre Job Roof Survey to the Roof Membrane Manufacturer for approval and to assign job number including approved deviations from the manufacturer's specifications and the Owner's project specifications.
 2. Shop drawings showing membrane sheet layout and details of construction and identification of materials.
 3. Material Safety Data Sheets (MSDS)
 4. A sample of the Roof Membrane System Manufacturer's Warranty.

- a. Submit a letter of certification from the manufacturer which certifies the roofing contractor is authorized to install the manufacturer's roofing system and lists foremen who have received training from the manufacturer along with the dates training was received.
 - b. Certification from the membrane manufacturer indicating the membrane thickness.
 - c. Certification of the manufacturer's warranty reserve.
- B. Upon completion of the installed work, submit copies of the manufacturer's final inspection to the specifier prior to the issuance of the manufacturer's warranty.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to the job site in the manufacturer's original, unopened containers or wrappings with the manufacturer's name, brand name and installation instructions intact and legible. Deliver in sufficient quantity to permit work to continue without interruption.
- B. Comply with the manufacturer's written instructions for proper material storage.
1. Store membrane in a dry, cool, shaded area in the original undisturbed plastic. Membrane that has been exposed to the elements for approximately 7 days shall be prepared with the roof membrane manufacturer's Weathered Membrane Cleaner prior to hot air welding.
 2. Store curable materials (primers, adhesives and sealants) between 60 F and 80 F in dry areas protected from water and away from direct sunlight. If exposed to lower temperature, restore to 60 F minimum temperature before using.
 3. Store materials containing solvents in dry, well ventilated spaces with proper fire and safety precautions. Keep lids on tight. Use before expiration of their shelf life.
- C. Insulation shall be stored on pallets, off the ground or roof and tightly covered with waterproof materials.
- D. Materials which are found to be damaged shall be removed and replaced at the applicator's expense.

1.05 WORK SEQUENCE

- A. Schedule and execute work to prevent leaks and excessive traffic on completed roof sections. Care shall be exercised to provide protection for the interior of the building and to ensure water does not flow beneath any completed sections of the membrane system. Terminate partial roof coverings at high points in the roof surface.
- B. Do not disrupt activities in occupied spaces.

1.06 USE OF THE PREMISES

- A. Before beginning work, secure approval from the building manager's representative for the following:
1. Areas permitted for personnel parking.
 2. Access to the site.
 3. Areas permitted for storage of materials and debris.

1.07 EXISTING CONDITIONS

- A. If discrepancies are discovered between the existing conditions and those noted on the drawings, immediately notify the owner's representative by phone and solicit the manufacturer's approval prior to commencing with the work. Necessary steps shall be taken to make the building watertight until the discrepancies are resolved.

1.08 PREBID CONFERENCE

- A. A pre-bid meeting will be held at the job site.

1.9 JOB SITE PROTECTION

- A. Adequately protect building, paved areas, service drives, lawn, shrubs, trees, etc. from damage while performing the required work. Provide canvas, boards and sheet metal (properly secured) as necessary for protection and remove protection material at completion. Repair or be responsible for costs to repair property damaged during the roofing application.

- B. During the performance of the work, the building tenants will continue to occupy the existing building. The contractor shall take precautions to prevent the spread of dust and debris, particularly where such material may sift into the building. Provide labor and materials to construct, maintain and remove necessary, temporary enclosures to prevent dust or debris in the construction area(s) from entering the remainder of the building.
- C. Do not overload any portion of the building, by either use of or placement of equipment, storage of debris, or storage of materials.
- D. Protect against fire and flame spread. Maintain proper and adequate fire extinguishers.
- E. Take precautions to prevent drains from clogging during the roofing application. Remove debris at the completion of each day's work and clean drains. At completion, test drains to ensure the system is free running and drains are watertight. Remove strainers and plug drains in areas where work is in progress. Install flags or other telltales on plugs. Remove plugs each night and screen drain.
- F. Store moisture susceptible materials above ground and protect with waterproof coverings.
- G. Remove traces of piled bulk material and return the job site to its original condition upon completion of the work. Clean site and remove debris on a daily basis.

1.10 SAFETY

- A. The contractor shall be responsible for means and methods as they relate to safety and shall comply with all applicable local, state and federal requirements that are safety related. Safety shall be the responsibility of the contractor. Personnel shall be instructed daily to be mindful of the full time requirement to maintain a safe environment for the facility's occupants including staff, visitors, customers and the occurrence of the general public on or near the site.

1.11 WORKMANSHIP

- A. Applicators installing new roof, flashing and related work shall be factory trained and approved by the manufacturer they are representing.
- B. Work shall be of highest quality and in strict accordance with the manufacturer's published specifications and to the building owner's satisfaction.
- C. There shall be a bilingual supervisor on the job site while work is in progress if there are non-english speaking laborers.

1.12 QUALITY ASSURANCE

- A. The roofing system shall achieve a UL Class A fire resistance rating.
- B. The membrane shall be manufactured by the material supplier. Manufacturer's supplying membrane made by others are not acceptable.
- C. Comply with the manufacturer's current specifications and details.
- D. Install the roof membrane system by an applicator authorized and trained by the manufacturer in compliance with shop drawings as approved by the manufacturer. The roofing applicator shall provide evidence of having at least five (5) years successful experience installing single-ply roofing systems and having installed at least one (1) roofing application or several similar systems of equal or greater size within one year.
- E. Provide adequate number of experienced workmen regularly engaged in this type of work who are skilled in the application techniques of the materials specified. Provide at least one thoroughly trained and an experienced superintendent on the job at all times work is in progress. Superintendent shall have bilingual skills if non-english speaking laborers are used.
- F. There shall be no deviations made from this specification or the approved shop drawings without the prior written approval. Deviations from the manufacturer's installation procedures shall be supported by written certification on manufacturer's letterhead and presented for the engineer's or architect's consideration.
- G. Upon completion of the installation, the applicator shall arrange for an inspection to be made by a non-sales technical representative of the membrane manufacturer in order to determine whether or not corrective work will be required before the warranty will be issued. Notify the building owner and architect seventy-two (72) hours prior to the manufacturer's final inspection.

1.13 JOB CONDITIONS, CAUTIONS AND WARNINGS

- A. Material Safety Data Sheets (MSDS) shall be on location at all times during the transportation, storage and application of materials.
- B. Do not apply Adhesive when surface and/or ambient temperatures are below 40°F.
- C. When using Adhesive in heated spray equipment, the adhesive cannot be applied unless surface and/or ambient temperatures are 32°F or warmer. When using Adhesive in non-heated spray equipment, surface and/or ambient temperatures must be 60°F or warmer.
- D. Drums of Adhesive shall be a minimum of 70°F at the time of use. Use drum band heaters when necessary.
- E. Exercise caution during adhesive spraying to avoid overspray.
 - 1. Use a non-atomizing spray tip such as the Glas-Craft V-Force or Gusmer Fountain Tip and/or reduce spray pressure to 500 – 800 psi to increase adhesive droplet size and reduce airborne mist. Maintain hand held wind screens on-site for use as necessary.
- F. When loading materials onto the roof, comply with the requirements of the building owner to prevent overloading and possible disturbance to the building structure.
- G. When positioning membrane sheets, exercise care to locate field splices away from low spots and out of drain sumps.
- H. Field splices shall be shingled to prevent bucking of water.
- I. Proceed with roofing work only when weather conditions are in compliance with the manufacturer's recommended limitations, and when conditions will permit the work to proceed in accordance with the manufacturer's requirements and recommendations.
- J. Proceed with work so new roofing materials are not subject to construction traffic. When necessary, new roof sections shall be protected and inspected upon completion for possible damage. Provide protection, such as 3/4 inch thick plywood, for roof areas exposed to traffic during construction. Plywood shall be smooth and free of fasteners and splinters.
- K. The surface on which the insulation or roofing membrane is to be applied shall be clean, smooth, dry, and free of projections or contaminants that would prevent proper application of or be incompatible with the new installation, such as fins, sharp edges, foreign materials, oil and grease.
- L. New roofing shall be complete and weather tight at the end of each work day.
- M. Contaminants such as grease, fats and oils shall not be allowed to come in direct contact with the roofing membrane.

WARRANTY

- A. Provide Roof Membrane Manufacturer's 15, 20 year Full System Warranty covering both labor and material. The maximum wind speed coverage shall be peak gusts of 70 mph measured at 10 meters above ground level.
- B. Provide 1 or 2" hail resistance warranties from the roof membrane manufacturer if Alternates #2, 3 or 4 are accepted.

PART 2 PRODUCTS**1.01 GENERAL**

- A. Components of the specified roofing system shall be products of:
 - 1. FleeceBack TPO by Carlisle SynTec Incorporated.
 - 2. FleeceBack TPO by GAF Everguard.
 - 3. FleeceBack TPO by Firestone Building Products.
 - 4. FleeceBack TPO by Johns Manville.
 - 5. FleeceBack TPO by GenFlex.
 - 6. FleeceBack TPO by Versico.
- B. Unless otherwise approved by the Owner and accepted by the membrane manufacturer, products (including insulation, adhesives, fasteners, fastening plates and edgings) shall be manufactured and supplied by the roofing system manufacturer and covered by the warranty.
- C. Specific manufacturers are for informational purposes only and you may use any manufacturer that meets or exceeds the above listed specifications.

2.02 MEMBRANE

- A. Carlisle Sure-Weld white 100, 115 or 135 mil FleeceBack TPO membrane. Membrane sheets are 6', 7', 10' or 12' wide and up to 50' or 100' long.

2.03 ADHESIVES, CLEANERS AND SEALANTS

- A. All products shall be furnished by Roof Membrane Manufacturer and specifically formulated for the intended purpose.
- B. Adhesives for roof membrane:
1. Foam Adhesives:
 - a. Sure-Seal FlexFAST Adhesive by Carlisle SynTec.
 - b. Fast 100 Adhesive by Carlisle Syn Tec.
- C. Brush, Roller or Mop Applied Adhesives:
1. Sure-Seal Bonding Adhesive by Carlisle SynTec.
 2. Substitutions may be allowed if submitted in compliance with Section 01300 and 01600.
- D. Cleaning Solvent:
1. Weathered Membrane Cleaner by Carlisle SynTec.
- E. Edge Sealant:
1. Cut-Edge Sealant by Carlisle SynTec (only required where reinforcement scrim extends to edge of membrane).
- F. Sealer:
1. CCW-102C Sealant and Water Cut-Off Mastic by Carlisle SynTec.
- G. Primer:
1. CAV-Grip Primer as manufactured by Carlisle.

2.04 FASTENERS AND PLATES

- A. Fasteners
1. HP Fasteners by Carlisle SynTec: A threaded #14, square drive fastener used for steel and wood roof decks.
 2. InsulFAST™ Fasteners: . for concrete or lightweight insulating concrete decks.
 3. CD-10 Fasteners: A non-threaded, black epoxy electro-deposition coated fastener used with structural concrete roof decks rated 3,000 psi or greater.
 4. Substitutions may be allowed if submitted in compliance with Section 01300 and 01600.
- B. Termination Bar Nailins:
1. HP Termination Bar Nailins by Carlisle SynTec: An expansion anchor with stainless steel drive pin used for fastening the Sure-Seal Termination Bar to concrete, brick, or block walls (not used for insulation securement).
 2. Substitutions may be allowed if submitted in compliance with Section 01300 and 01600.
- C. Insulation Fastening Plates: A nominal 3 inch diameter metal plate used for insulation attachment.
1. Insulation Fastening Plates by Carlisle SynTec.
 2. Substitutions may be allowed if submitted in compliance with Section 01300 and 01600.

2.05 ACCESSORIES

- A. Prefabricated flashing curb corners and pipe boots manufactured by the roof membrane manufacturer.

PART 3 EXECUTION**3.01 GENERAL**

- A. Comply with the manufacturer's published instructions for the installation of the membrane roofing system including proper substrate preparation, job site considerations and weather restrictions.
- B. Position sheets to accommodate contours of the roof deck and shingle splices to avoid bucking water.
- C. Provide field testing to demonstrate a minimum of 60 psf wind resistance.

- D. Verify that all entrapped moisture has been removed from the old roof membrane system and that demolition areas have been filled with equal thickness of isocyanurate foam insulation.

3.02 MEMBRANE PLACEMENT AND BONDING

- A. Position and unroll successive sheets and align to provide minimum overlap required by Roof Membrane Manufacturer. Use pre-marked overlap line if provided along the selvage edge. At end laps (along the width of the sheet), membrane shall be butted together which will be overlaid with 6 inch wide Reinforced Thermoplastic Single-Ply Membrane and hot air welded on all edges or sealed per the Roof Membrane Manufacturer's requirements.

3.04 MEMBRANE SPLICING – HOT AIR WELDING

- A. General: Adjoining membrane sheets must be butted together and overlaid with 6 inch wide reinforced membrane heat welded overlap on all sides.
- B. Hot Air Welding Procedures:
1. Hot air weld the membrane lap seams and flashings using an Automatic Hot Air Welding Machine or Hot Air Hand Welder in accordance with the manufacturer's specifications. At splice intersections, roll the seam with a silicone roller to ensure a continuous hot air welded seam.
 2. Probe seams once the hot air welds have thoroughly cooled (approximately 30 minutes)
 3. Repair seam deficiencies the same day they are discovered.
 4. Apply Cut Edge Sealant on all cut edges of reinforced membrane (where the scrim reinforcement is exposed) after seam probing is complete. Cut Edge Sealant is not required on vertical splices if allowed by the roof membrane manufacturer.

3.05 FLASHING

- A. Flashing of parapets, curbs, expansion joints and other parts of the roof must be performed using reinforced Thermoplastic TPO Single-Ply membrane. Thermoplastic TPO Single Ply non-reinforced membrane can be used for flashing pipe penetrations, Sealant Pockets, and scuppers, as well as inside and outside corners, when the use of pre-molded accessories is not feasible.
- B. Follow manufacturer's typical flashing procedures for all wall, curb, and penetration flashing including metal edging/coping and roof drain applications.
- A. Extend base flashing up to the existing metal counter flashings at the parapet walls.

3.06 DAILY SEAL

- A. On phased roofing, when the completion of flashings and terminations is not achieved by the end of the work day, a daily seal shall be performed to temporarily close the membrane to prevent water infiltration.
- B. Use approved adhesive or other similar material in accordance with the manufacturer's requirements.

3.07 CLEAN UP

- A. Perform daily clean up to collect all wrappings, empty containers, paper, and other debris from the project site. Upon completion, debris shall be disposed of in a legally acceptable manner.
- B. Prior to the manufacturer's inspection for warranty, the applicator must perform a pre-inspection to review work and to verify flashing has been completed as well as the application of caulking.

END OF SPECIFICATION

ADDENDUM NUMBER TWO

Roof Consultants

5350 E. 46th St., Suite 116
Tulsa, Oklahoma 74135

Roof Replacement for

Gary Miller Children's Justice Center
7905 East U. S. Highway 66
El Reno, Oklahoma

ADDENDUM NUMBER TWO

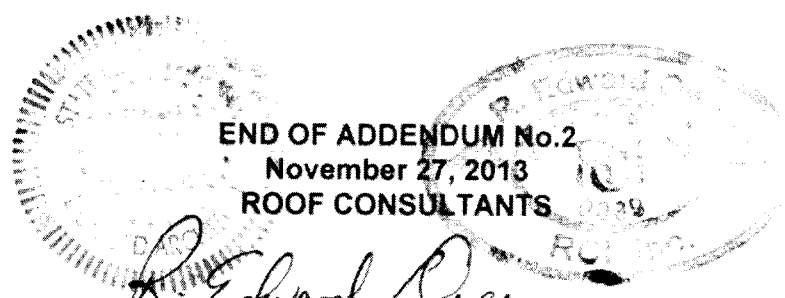
ISSUED: November 27, 2013

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS TO THE SAME EXTENT AS THOUGH IT WERE ORIGINALLY INCLUDED THEREIN, AND IT SHALL SUPERSEDE ANYTHING CONTAINED IN THE PLANS AND SPECIFICATIONS WITH WHICH IT MIGHT CONFLICT.

TO CONTRACTOR FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY AND REQUIRED FOR ALL WORK IN CONNECTION WITH THE ABOVE PROJECT.

SPECIFICATIONS

Item No.1: Section 07536- SBS MODIFIED BITUMEN ROOF REPLACEMENT & RECOVERING: Paragraph 2.2A Delete the phrase "to provide minimum light reflectance rating of 70 percent."



END OF ADDENDUM No.2
November 27, 2013
ROOF CONSULTANTS

R. Edward Owen
R. Edward Owen, RRC, AIA, CCS, CCA