



City of Rockwall

The New Horizon

ADDENDUM #2
TO THE SPECIFICATIONS FOR
FACILITIES ROOF REPAIRS BID

The addendum is an integral part of the RFB and must be signed and returned with the submittal.

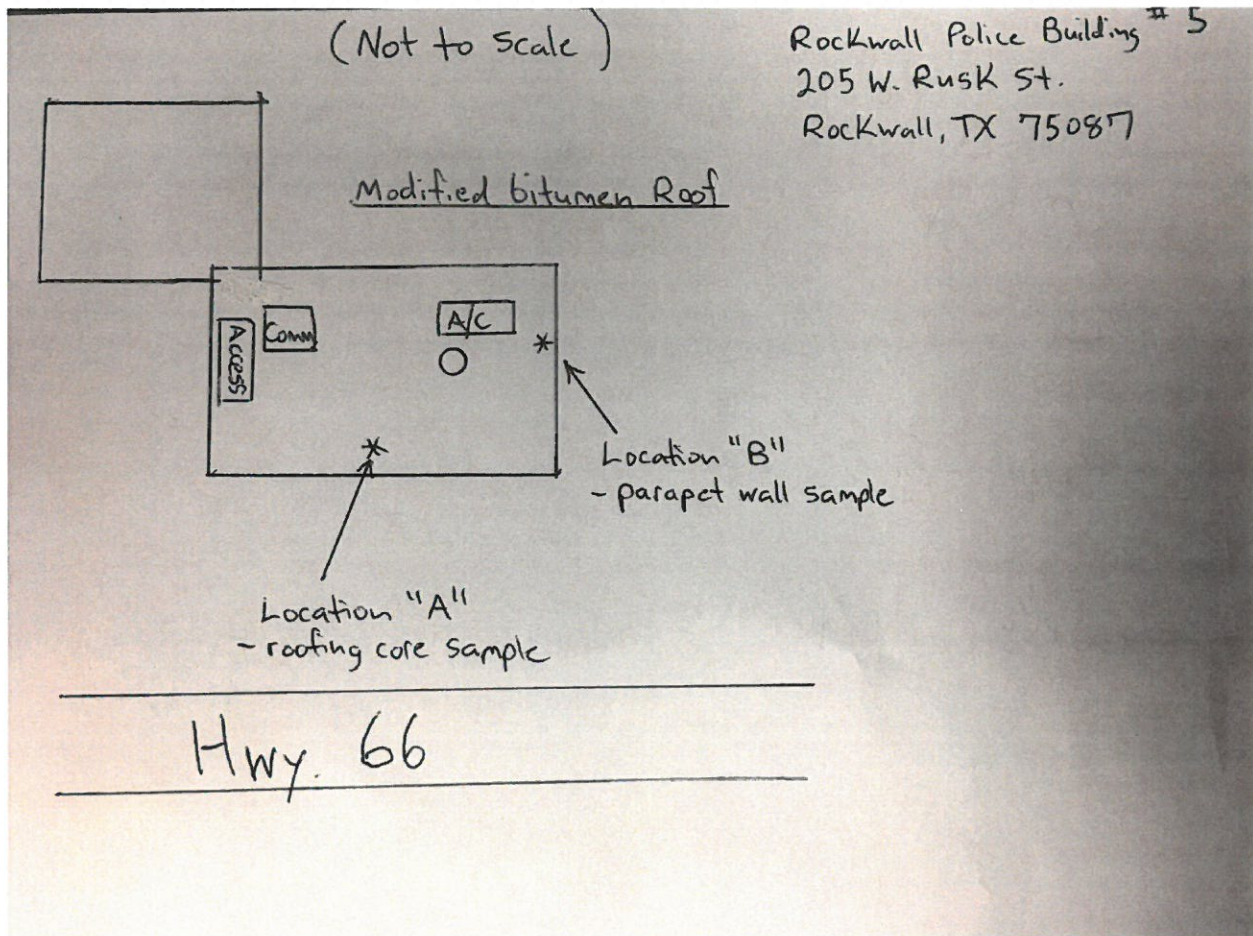
The purpose of this addendum is to incorporate the following changes and or clarifications to the RFB:

1. Bid, Performance, and Payment bonds are required.
Bid Bond 1% of total bid
Performance and Payment bonds 100% of final project cost
2. City has provided a Police Building Roof core sample report in this Addendum.
3. The bidder must have the necessary certification for the installation of those manufacturers' products and materials that require contractor certification as to not void any present or future material and/or labor warranties.
4. Contractor shall submit a fixed bid for known items identified in Exhibit "A" (insurance adjuster report) on the bid form provided in the RFB document. With the City's written permission, the contractor selected has the right and/or option to write and submit a supplemental claim to the City of Rockwall's insurance carrier for any additional loss and damage that may be discovered while completing the repairs or replacement.
5. City approved vendor, Harris Corp., or their subcontractors, who installed the existing telecommunications equipment on the police department roof will most likely work with the successful roofing contractor to remove and replace the equipment based on contractor work schedule. City may choose to pay Harris separately from the contractor's invoice.
6. Should the successful contractor, during the course of work, identify any missing items, code upgrades, necessary improvements related to repairs, etc. must submit in writing for approval to the City to make these repairs.
7. Police Building – new roof specifications for Owens-Corning product attached.

All other terms and conditions remain unchanged. If you have any questions regarding this addendum, please contact me at lewing@rockwall.com or 972-772-6418.

Respectfully,

Lea Ann Ewing
Purchasing Agent



LOCATION "A" - Modified bitumen roof core sample

SUMMARY:

An approximate 3" deep core sample was excavated on 8/10/18 on the roof of the Rockwall Police Department Building (ID#5), 205 W. Rusk Street, Rockwall, TX 75087; which revealed three separate layers above the metal decking.

The first layer closest to the metal decking was determined to be a "DensDeck Prime Roof Board" (or equivalent material) and was approximately 1 ½" deep. The 2nd layer was identified as a polyisocyanurate roof insulation (unknown manufacturer) and was approximately 1 ¼" deep and the top (or 3rd layer) was the modified bitumen layer (with base and cap sheet). This 3rd or top layer was approximately ¼" deep. The total depth from decking to surface of the roof was approximately 3.00" deep.





LOCATION "B" – Parapet wall sample

SUMMARY:

A two layer core sample was excavated on 8/10/18 on the parapet (or wall) of the Rockwall Police Department Building (ID#5), 205 W. Rusk Street, Rockwall, TX 75087; which revealed two layers the base sheet and cap sheet.





Mineral Surfaced Roll



Desert Tan[®]

Owens Corning™ Mineral Surfaced Roll is the economical solution for any low-sloped roof. Because it's constructed of a hardworking Fiberglas® mat, it lasts longer.

- Mineral Surfaced Roll lies flat, so it protects against weather and helps resist moisture
- Available in a wide range of popular colors

Color availability



Shasta White[†]



Onyx Black[†]

Not available in Service Area 12 (see map).



Desert Tan[†]

Not available in Service Areas 1, 2, 4, 5, 7, 9 (see map).



Forest Green[†]

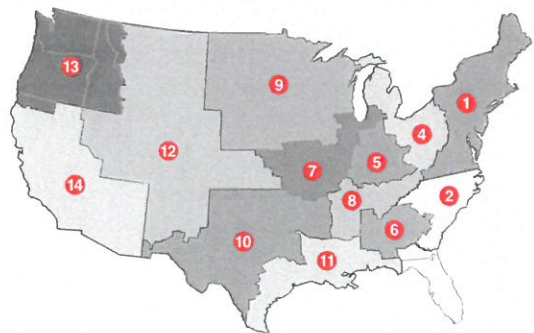
Not available in Service Areas 1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14 (see map).



Spanish Red[†]

Not available in Service Areas 1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14 (see map).

Color availability map



Product Specifications

Nominal Size	36" x 36"
Rolls per Square	1
Coverage per Roll	100 sq. ft.

Applicable Standards and Codes

ASTM E 108, Class C

UL 790, Class C

[†]Owens Corning strives to accurately reproduce photographs of shingles. Due to manufacturing variances, the limitations of the printing process and the variations in natural lighting, actual shingle colors and granule blends may vary from the photo. The pitch of your roof can also impact how a shingle looks on your home. We suggest that you view a roofing display or several shingles to get a better idea of the actual color. To accurately judge your shingle and color choice, we recommend that you view it on an actual roof with a pitch similar to your own roof prior to making your final selection. Color availability subject to change without notice. Ask your professional roofing contractor for samples of colors available in your area.



INNOVATIONS FOR LIVING

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TOLEDO, OHIO, USA 43659

1-800-GET-PINK[®]
www.roofing.owenscorning.com

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(Atlanta, Brookville, Compton, Denver, Houston, Irving, Kearny, Medina, Memphis, Minneapolis, Portland, Savannah, Summit)





2" & 4" SELVEDGE MINERAL SURFACED ROLL ROOFING

APPLICATION INSTRUCTIONS

Application Instructions for FIBERGLAS® Mineral Surfaced Roll Roofing

Not to be used as part of a Built-Up Roofing System. Apply over wood decks when incline is not less than 1" per foot. The deck must drain freely at all points.

General: It is suggested that roll roofing not be applied at temperatures below 50°F. When it is necessary to handle the material below this limit, it should be warmed before unrolling in order to avoid cracking.

The roll roofing should be cut into maximum 18' lengths and stacked in a pile on a smooth surface before application until they flatten out. This is important to prevent wrinkling after application.

Roof Deck: The roof deck shall be dry, firm, smooth, and constructed of a minimum $\frac{3}{8}$ " thick plywood, $\frac{7}{16}$ " oriented strand board (OSB) or dry well-seasoned lumber, nominal 1" thick, not over 6" in width. Boards shall be laid close together and securely nailed. If plywood or OSB is used it should be as recommended by the American Plywood Association, Underwriters Laboratories Inc.® or local building codes. Plywood and OSB sheathing must be spaced a minimum of $\frac{1}{8}$ " and maximum $\frac{1}{4}$ ".

Preparation of Roof Deck

New Construction: Install metal drip edges at eaves and rakes. Sweep roof deck clean of loose particles. Apply one layer of underlayment of #15 asphalt saturated felt over the entire roof surface. Lay in a horizontal manner lapping each course over the lower course 2"; and where ends join, lap them 4". Lay underlayment at least 6" over all hips, ridges and valleys.

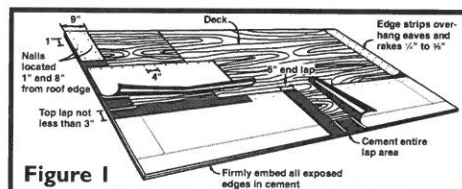
Re-Roofing: Remove any slag or gravel. Cut open all blisters and buckles, and nail both edges to give a smooth surface; also nail edges of large cracks. Remove loose nails and drive into sound deck. Before beginning application of roofing, sweep roof deck clean of all loose particles and dirt.

Application

Nails: Use large head corrosion-resistant nails, 11- or 12-gauge, with heads at least $\frac{3}{8}$ " in diameter. Nails should be long enough to penetrate into wood deck at least $\frac{3}{4}$ " or completely through plywood deck or OSB a minimum of $\frac{1}{8}$ ".

Concealed Nail Method

Edge Strips: Place 9" wide strips of roll roofing along the eaves and rakes, positioning them to overhang the deck $\frac{1}{4}$ " to $\frac{3}{8}$ ". Fasten the strips with rows of nails located 1" and 8" from the roof edge and spaced 4" on center in each row.



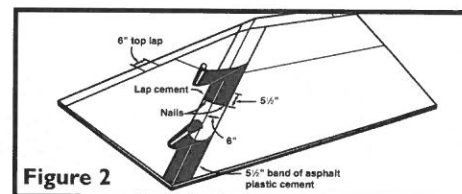
First Course: Apply the first course with a full-width strip of roll roofing so that its lower edge and ends are flush with the edge strips at the eaves and rakes. Fasten the upper edge with nails so that the next course will overlap them a minimum of 1". Lift the lower edge of the first course and cover the edge strips with lap cement. In cold weather; turn the course back carefully to avoid damaging the roofing material. Press the lower edge and rake ends of the first course firmly into the cement-covered edge strips. Work from one side of the sheet to the other to avoid wrinkling or bubbling.

End laps should be 6" wide and cemented over the full lap area with the recommended cement. Nail the underlying sheet in rows 1" and 5" from the end of the sheet with the nails spaced 4" on center and slightly staggered. End laps in succeeding courses must not line up with one another.

Second and Succeeding Courses: Apply the second course so that it overlaps the first course at least 2". Fasten the upper edge to the deck, cement the laps and finish installing the sheet in the same manner as the first course. Follow the same procedure for each successive course. Do not apply nails within 18" of the rake until cement has been applied to the edge strip and the overlying strip has been pressed down.

Hips and Ridges: Trim, butt and nail the sheets as they meet at a hip or ridge. Next, cut 12" x 36" strips from the roll roofing and bend them lengthwise to lay 6" on each side of the joint. Do not bend the strips in cold weather without first warming them. These will be used as "shingles" to cover the joint, each one overlapping the other by 6" as shown in Figure 2.

Start hips at the bottom and ridges at the end opposite the direction of the prevailing winds. To guide the installation, snap a chalk line $5\frac{1}{2}$ " from and parallel to the joint on both sides. Apply asphalt plastic cement evenly over the entire area between chalk lines from one side of the joint to the other. Fit the first folded strip over the joint and press it firmly into the cement, driving two nails $5\frac{1}{2}$ " from the edge of the end that will be lapped. Cover the 6" lap on this strip with lap cement. Then place the next strip over it. Nail and cement in the same manner as the first strip. Continue the same procedure until the hip or ridge is finished.



Applicable Standards

ASTM E 108, Class C
UL 790, Class C

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2 PULG. Y 4 PULG. SELVEDGE MINERAL SURFACED ROLL ROOFING

INSTRUCCIONES DE COLOCACIÓN DE TEJAS PARA CABALLETE Y CUMBRERA

Instrucciones de aplicación de rollos de superficie mineral para techos FIBERGLAS®

No debe usarse como parte de un sistema de materiales para techos ensamblados. Aplicar sobre estructuras de madera cuando la inclinación es de no menos de 1 pulg. por pie. La estructura debe drenar libremente en todos los puntos.

General: Se sugiere que el material en rollo para techos no se aplique a temperaturas por debajo de 50°F (10°C). Cuando se hace necesario manipularlo por debajo de este límite, el material debe calentarse antes de desenrollarlo, a los efectos de evitar rajaduras.

El material en rollo para techos debe cortarse en longitudes máximas de 18' y debe colocarse en una pila sobre una superficie plana y pareja antes de ser aplicado, hasta que quede plano. Esto es importante para impedir que se formen arrugas después de la aplicación.

Estructura de techos: La estructura del techo debe estar seca, firme y lisa, y debe construirse con contrachapado de 3/8 pulg. de espesor como mínimo, paneles de fibra orientada de 1/2 pulg. o de madera seca y bien curada con un espesor nominal de 1 pulg. y que no exceda 6 pulg. de ancho. Las tablas deben estar colocadas una junto a otra y clavadas de manera segura. Si se usa contrachapado o paneles de fibra orientada, esto debe hacerse de acuerdo con las recomendaciones de la Asociación del Contrachapado Estadounidense (American Plywood Association), Underwriters Laboratories Inc.® o códigos locales de construcción. Los paneles de contrachapado o paneles de fibra orientada deben espaciarse a 1/8 pulg. como mínimo y a 1/4 pulg. como máximo.

Preparación de la estructura del techo

Construcción nueva: Instale escurrideros metálicos en aleros e inclinaciones. Limpie la estructura del techo para que no tenga partículas sueltas. Aplique una capa de fieltro asfáltico de base #15 sobre toda la superficie del techo. Colóquelo horizontalmente de manera que cada capa se superponga 2 pulg. sobre la capa inferior y 4 pulg. en las uniones de los extremos. Coloque la base al menos 6 pulg. sobre todas las uniones de los lados del techo, las cumbreras y bajadas.

Retechados: Quite todos los escombros y gravilla. Corte toda ampolla y curvatura, y clave ambos bordes para lograr una superficie plana. También clave los bordes de todas las rajaduras grandes. Quite todos los clavos sueltos e insérteles en la estructura.

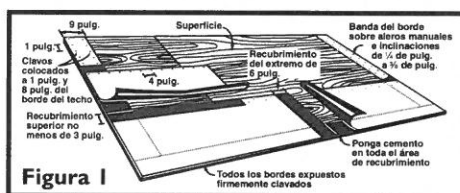
Antes de comenzar la aplicación del material para techos, limpie la estructura del techo para que no tenga partículas sueltas y polvo.

Aplicación

Clavos: Utilice clavos inoxidables de calibre 11 ó 12, con cabezas de al menos 3/8 pulg. de diámetro. Los clavos deben ser lo suficientemente largos para penetrar al menos 3/4 pulg. en la estructura del techo o completamente en los techos de contrachapado o paneles de fibra orientada, a un mínimo de 1/2 pulg.

Método de clavos ocultos

Bandas de borde: Coloque bandas de techo en rollo de 9 pulg. a lo largo de los aleros e inclinaciones, colocándolas de manera que cuelguen de 1/4 de pulg. a 3/8 de pulg. de la superficie. Sujete las bandas con filas de clavos colocados a 1 pulg. y 8 pulg. del borde del techo y espaciados 4 pulg. aparte en el centro en cada fila.



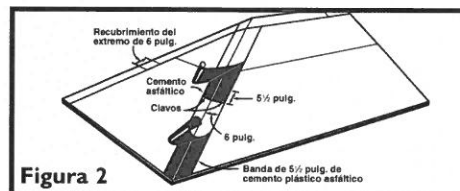
Primera hilera: Coloque la primera hilera con una banda ancha completa de techo en rollo para que su borde inferior y los extremos estén al mismo nivel con las bandas de borde en los aleros e inclinaciones. Fije el borde superior con clavos de manera que la siguiente hilera esté superpuesta un mínimo de 1 pulg. Levante el borde inferior de la primera hilera y cubra las bandas de bordes con cemento asfáltico. En climas fríos, voltee la hilera con mucho cuidado para evitar daños en el material del techo. Presione los extremos del borde inferior y de inclinación de la primera hilera firmemente en las bandas de borde cubiertas con cemento. Trabaje desde un lado de la hoja hacia el otro para evitar arrugas o burbujas.

Los recubrimientos de los extremos deben ser de 6 pulg. de ancho y pegados con cemento en toda el área de recubrimiento con el cemento sugerido. Clave la hoja de base en filas de 1 pulg. y 5 pulg. desde el final de la hoja con un espacio de 4 pulg. entre clavos en el centro y ligeramente escalonados. Los recubrimientos de los extremos en las siguientes hileras no deben estar alineados uno con otro.

Segunda y siguientes hileras: Coloque la segunda hilera de manera que la segunda hilera esté superpuesta con la primera hilera por lo menos 2 pulg. Fije el borde superior a la superficie, coloque cemento en los recubrimientos y termine de instalar la hoja de la misma manera que instaló la primera hilera. Siga el mismo procedimiento para cada hilera siguiente. No coloque clavos a menos de 18 pulg. de la inclinación hasta que haya aplicado el cemento a la banda del borde y la banda de base haya sido presionada.

Caballetes y cumbreras: Recorte, empalme y clave las hojas cuando se unan en el caballete o cumbrera. Después, corte bandas de 12 x 36 pulg. del techo de rollo y dóblelas a lo largo para dejar 6 pulg. entre cada lado de la unión. No doble las bandas en clima frío sin haberlas calentado primero. Éstas se usarán como "tejas" para cubrir la unión, cada una superponiéndose a la otra 6 pulg., como se muestra en la Figura 2.

Comience con los caballetes en la parte inferior y las cumbreras al final en dirección contraria a los vientos predominantes. Para guiar la instalación, marque una línea con una tiza a 5 1/2 pulg. desde y paralelo a la unión en ambos lados. Coloque cemento plástico asfáltico uniformemente sobre toda el área entre las líneas de tiza desde un lado de la unión hacia el otro. Coloque la primera banda doblada sobre la unión y presione firmemente en el cemento, conduciendo dos clavos de 5 1/2 pulg. del borde del extremo que será superpuesto. Cubra el recubrimiento de 6 pulg. en esta banda con cemento asfáltico. Luego coloque la siguiente banda sobre él. Clave y pegue con cemento de la misma manera que lo hizo con la primera banda. Continúe el mismo procedimiento hasta que se termine el caballete y cumbrera.



Normas aplicables

ASTM E 108, Clase C
UL 790, Clase C

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