

**INVITATION FOR BIDS**

**CITY OF CONROE**

**BID #1015-2020 CONROE RECREATION CENTER ROOF  
REPLACEMENT PROJECT**



**CITY OF CONROE  
P.O. BOX 3066  
CONROE, TEXAS 77305**

**PRE-BID SITE VISIT OCTOBER 6, 2020 AT 10:00 AM LOCATED  
AT 1203 CANDY CANE LANE, CONROE TEXAS 77301**

**RESPONSES DUE OCTOBER 15, 2020 AT 2:00 PM**

## NOTICE TO BIDDERS

The City of Conroe will receive sealed bids electronically through Vendor Registry or in triplicate for the Conroe Recreation Center Roof Replacement Bid, located in Montgomery County, Texas. The Bids shall be appropriately marked “**Bid #1015-2020 Conroe Recreation Center Roof Replacement**” and delivered to the City Secretary 300 West Davis, 3<sup>rd</sup> Floor, Conroe Texas 77301. Bids will be publicly opened and read on **Thursday, October 15, 2020 at 2:00 p.m.** in the 3<sup>rd</sup> Floor conference room at City Hall (300 West Davis).

A Pre-Bid meeting and Site Visit will be held on October 6, 2020 at 10:00 am at the Conroe Recreation Center, 1203 Candy cane Lane, Conroe Texas 77301.

Bids must be accompanied by a certified check upon some responsible bank of the State of Texas or a bid bond from a Surety Company holding a permit in the State of Texas in the amount of 10% of the bid. The amount of said check or bond will be forfeited to the Owner and the bank or surety shall be liable to the Owner for the amount in the event the successful proposer shall fail or refuse to enter into a contract or furnish bonds as hereafter required.

The successful proposer must furnish a performance bond and a payment bond on the forms provided, each in the amount of 100% of the contract price from a Surety Company holding a permit in the State of Texas and approved by the Federal Government.

Bid documents may be reviewed and downloaded online at Vendor Registry [www.cityofconroe.org](http://www.cityofconroe.org) with instructions to download documents from Vendor Registry

No bid may in any way qualify, modify, substitute or change any part of the specifications or contract documents. The City of Conroe reserves the right to reject any and all offers, award parts of bids, award to multiple vendors and to waive informalities in submission of bids. The City of Conroe also reserves the right to award this bid to the lowest most qualified responsible bidder meeting all the specifications or to the bidder who provides goods or services at the best value for the City.

CC: 10/1/2020 & 10/5/2020

**CITY OF CONROE, TEXAS**

## CITY OF CONROE

### 1. **Preparation of Bids:**

Unless otherwise directed in the Notice to Bidders, submit bids electronically through Vendor Registry or in triplicate to the City Secretary, 300 West Davis, 3<sup>rd</sup> floor, Conroe Texas, 77301. Prepare bids in accordance with the requirements of the Notice to Bidders, and any instructions on the Bid Sheet.

### 2. **Questions and Inquiries: All question must be asked through Vendor Registry.**

Information about this proposal should be directed to:

Mike Cantu, Recreation Center Supervisor  
[mcantu@cityofconroe.org](mailto:mcantu@cityofconroe.org)  
936-522-3903

#### **To view the property: Pre-Bid Site Visit**

October 6, 2020 at 10:00 am located at 1203 Candy Cane Lane Conroe Texas 77301

### 3. **Submission of Bids:**

Three (3) copies of each proposal shall be ***CLEARLY MARKED*** “**Bid# 1015-2020 Conroe Recreation Center Roof replacement**” and submitted by mail or in person to the address below by the time and date set forth. Responses received later than the due date will not be accepted, and returned unopened.

Due Date: October 15, 2020 @ 2:00 PM

USPS: City of Conroe  
Soco Gorjon, City Secretary  
P.O. Box 3066  
Conroe, TX. 77305

Physical: City of Conroe  
Soco Gorjon, City Secretary  
300 West Davis St.  
Conroe, TX. 77301

### 4. **Bid / Bid Bond:**

Each bid must be accompanied by a bid bond or other acceptable security in an amount equal to ten percent (10%) of the base offer amount. The bond may consist of a surety bid bond executed by a surety licensed to do business in the State of Texas, or a certified check or cashiers check in the required amount drawn on a bank doing business in the State of Texas and made payable to the City of Conroe, Texas.

The bid / bid bond of the successful proposer shall be returned upon issuance of a notice to proceed to the proposer. The bonds of unsuccessful proposer's shall be returned upon the earlier of (1) the issuance of a notice to proceed to the successful proposer, or (2) the expiration of thirty (30) days following the bid opening.

**5. Insurance Requirements:**

The Proposer shall procure and maintain, at its expense, during the term of this proposal, at least the following insurance, covering work performed. The City shall be an additional named insured under the Contractors policy, which may not be reduced or terminated without ten (10) days written notice to the City.

	COVERAGE	LIMITS
A.	Worker's Compensation Law	- Minimum required by Texas
B.	Employer's Liability	- \$ 500,000 each occurrence
C.	Public Liability (Bodily injury)	- \$1,000,000 combined single limit
D.	Public Liability (Property damage)	- \$1,000,000 combined single limit
E.	Automobile Liability (Bodily injury)	- \$ 200,000 each person
F.	Automobile Liability (Property damage)	- \$ 50,000 each occurrence

The Proposer agrees to furnish insurance certificates, showing the Proposer's compliance with this section prior to commencing any work under this agreement.

**6. Bid Evaluation and Award:**

The bid award will be made on the basis of ***Texas Local Government Code Section 252.043***. This section allows the City of Conroe to develop and apply award evaluation criteria for procurement in order to obtain goods or services that provide the ***best value*** to the City. Under these guidelines, a vendor is not automatically awarded a bid simply because they submit the lowest bid response. In the event that the selected bidder fails to enter into agreement to provide the goods or services which are the subject of this invitation the City retains the right to award the bid to the next qualified bidder.

**7. Reservations:**

All Bids and associated materials received with your response will become the property of the City of Conroe and will be returned at the discretion of the City.

The Laws of the State of Texas, County of Montgomery, and the City of Conroe, with any Rules and Regulations issued, prevail with regard to any contract documents, possible terms and conditions, arbitration or litigation.

**8. Owner:**

The City reserves the right to award parts of bids, reject any or all bids and to waive technical irregularities in bidding. Contract award will be made on the basis of the lowest qualified responsible bidder or the bidder who provides the goods and services at the best value for the City, considering the evaluation selection criteria below. No bid may be withdrawn before 90 days after submittal.

**Best Value Selection Criteria:**

- |                                                     |         |
|-----------------------------------------------------|---------|
| a) Purchase price.                                  | 40 Pts. |
| b) Meets all bid specifications.                    | 20 Pts. |
| c) Bidder's principle place of business (§271.905). | 10 Pts. |
| d) References of current customers                  | 10 Pts. |
| e) Cities past history / experience with Vendor.    | 20 Pts. |

**9. Bidders:**

Should a Bidder discover a discrepancy or an omission in the plans or specifications, he should at once notify the Purchasing Department so that an addendum can be issued. No oral explanation or interpretation other than written addendum issued by the City will be considered official or binding. All such addendums shall become part of the contract documents and all bidders shall be bound by such addenda, whether or not received by the bidders.

**10. Communications:**

The City of Conroe shall not be responsible for any verbal communication between any representative of the City and any potential firm. All modifications to this solicitation must be made in writing. A proposer's failure to examine relevant documents or specifications will not relieve proposer from any obligation with regard to their response to this invitation.

**11. Substitutions:**

Where services or equipment are specified by a trade or brand name, it is not the intention of the City to discriminate against an equal product of another manufacturer, but to set a definite standard of quality or performance, and to establish an equal basis for the evaluation of bids. In preparing his bid, each bidder is expected to include in his base bid the cost of the items so specified.

**12. Default:**

The City reserves the right to terminate the contract immediately for failure to meet delivery or completion schedules, or otherwise perform in accordance with the general conditions of this proposal.

**13. References:**

The City of Conroe may request bidders to supply, with this Invitation to Bid, a list of at least five (5) references where like services have been supplied by their firm. Include name of firm, contact person, address, telephone number and e-mail address.

**14. Delivery of Bids:**

It is the bidder's responsibility to submit his bid at the proper time to the proper place.

**15. Corrections:**

Erasures or other corrections in the proposal must be noted over with the proposer's initials.

**16. Materials and Services:**

The Bidder warrants that goods, materials or services delivered to the City will meet the minimum specifications set forth therein. Bidder shall furnish all data pertinent to specifications and warranties, which apply to items in the bid.

**17. Equal Employment Opportunity:**

Attention is called to the requirements for ensuring that employees and applicants for employment are not discriminated against because of their age, race, color, creed, sex or national origin.

**18. Price of Materials and Sales Tax:**

Prices for all goods or services shall remain firm for the duration of this contract and shall be stated on the bid sheet. Prices shall be all inclusive. Any price not shown on the bid sheet will not be honored by invoice. No price changes, additions or subsequent qualifications will be honored during the course of this contract. All prices must be written in ink or typewritten. Transportation, freight or other charges are to be prepaid by the bidder and included in the bid price. If there are additional charges of any kind, other than those mentioned above, specified or unspecified, Bidder must indicate both items required and attendant cost or forfeit the right to payment. Invoices must be submitted by the vendor in duplicate to the City of Conroe Purchasing Dept., P.O. Box 3066, Conroe TX 77305.

This Contract is issued by an organization, which qualifies for exemption pursuant to the provisions of Article 20.04 (F) of the Texas Limited Sales, Excise and Use Tax Act.

**19. Indemnification:**

The Proposer shall, defend, indemnify, and hold harmless the City of Conroe, their officers, and agents from and against any and all claims, demands, causes of action, orders, decrees, or judgments for injury, death, damage to person or property, loss, damage, or liability of any kind (including without limitation liability under any federal, state, or local environmental law, Compensation and Liability Act; fees and costs (including all costs or settlements and reasonable attorney's fees incurred in defending any claim, demand, or cause of action) occasioned by, growing out of, or arising from (a) the performance of any product or service to be supplied by the Proposer, or (b) by any act, error or omission on the part of the Proposer, its agents, employees, or subcontractors, and or (c) any failure to fully comply with all applicable laws and regulations by the Proposer, its agents, employees, or subcontractors.

**20. Conditions of Conduct:**

At all times any agent, officer, or employee of Proposer shall be present upon property owned by the City of Conroe, the terms and conditions of the Drug and Alcohol Policy currently adopted by the City of Conroe, shall be deemed applicable to such persons. Violations of terms and conditions while present on the premises owned by the City of Conroe shall be grounds for termination of any contract between the City and Proposer. A copy of this policy is available for public inspection in the office of the City Secretary and copies may be obtained at a nominal charge.

**21. Ethical Standard:**

No City official or employee shall have interest in any contract resulting from this bid. Individuals with a possible conflict will enact a public disclosure record by completing a "Statement of Financial Interest" form.

**Refer to "Project Number and Title" on the 1295 form.**

**Example forms are included with this Bid.**

- **1295 certificate of Interested Parties**
- **Conflict of Interest Questionnaire**
- **HB 89 Verification Form**
- **SB 252 Verification Form**

**The four forms stated above MUST be returned as part of your Bid response. Failure to include these forms may result in your Bid being considered unresponsive and therefor disqualified. Sample copies of these forms are included in the Bid. The web address to the Texas Ethics Commission website with instructions is listed below:**

(Sample Forms are attached)

[https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

**22. Alternate Bid Items:**

No alternate bids or bid items will be considered unless they are specifically requested by the bid.

**23. Unit Prices:**

The unit price of each of the bid items in the bid proposal shall include its pro-rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. Any bid not conforming to the condition may be rejected. The unit prices will be used to determine the amount of any change orders resulting from an increase or decrease in quantities.

**24. Payment:**

Payment will be scheduled within thirty (30) days upon complete delivery and acceptance of all equipment/material and receipt of an original invoice for the equipment/material complying with the terms and conditions of the award. The City reserves the right to withhold up to ten percent (10%) of the purchase price in the event there is a conditional acceptance.

**25. Proposal Agreements and Certification:**

**The Undersigned Agrees That:**

- A. No Federal, State, County or Municipal taxes have been included in the quoted prices and none will be added.
- B. Prices in this proposal have not knowingly been disclosed with any other provider and will not be prior to award.
- C. Prices in this proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- D. No attempt has been made nor will be to induce any other person or firm to submit a proposal for the purpose of restricting competition.
- E. The individual signing this proposal certifies that he/she is a legal agent of the proposer, authorized to represent the proposer and is legally responsible for the offer with regard to supporting documentation and prices provided.

**By my signature below I agree to comply with all the provisions, terms and conditions pertaining to this Bid.**

\_\_\_\_\_  
(Company Name)  
Printed)

\_\_\_\_\_  
(Name of Authorized Agent –

\_\_\_\_\_  
(Street Address / P.O. Box)

\_\_\_\_\_  
(Authorized Agent Signature)

\_\_\_\_\_  
(City / State / Zip Code)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Phone)

\_\_\_\_\_  
(E-Mail Address)



**CITY OF CONROE  
PURCHASING DEPARTMENT  
REQUEST FOR SEALED BID**

The City of Conroe will receive sealed bids electronically through Vendor Registry or in triplicate for the Conroe Recreation Center Roof Replacement Bid, located in Montgomery County, Texas. The Bids shall be appropriately marked “**Bid #1015-2020 Conroe Recreation Center Roof Replacement**” and delivered to the City Secretary 300 West Davis, 3<sup>rd</sup> Floor, Conroe Texas 77301. Bids will be publicly opened and read on **Thursday, October 15, 2020 at 2:00 p.m.** in the 1st Floor Council Chambers at City Hall (300 West Davis).

Date: 9/23/2020

Bids will be received until: 2:00 P.M. on October 15, 2020

For: Conroe recreation Center Roof Replacement Bid



DESCRIPTION	LUMP SUM FOR TOTAL PROJECT
<b>Complete in place roof and installation as per project manual scope of work, specifications and drawings provided in bid documents.</b>	\$ _____

\_\_\_\_\_  
Company Name

**CITY OF CONROE  
PURCHASING DEPARTMENT  
REQUEST FOR SEALED RFP**

**INSTRUCTIONS TO PROPOSER - - - - -PLEASE READ CAREFULLY**

1. The City of Conroe, Tax No. 74-6000-555 is exempt from all Federal Excise Taxes. Do not include tax in your bid price or invoice. Taxable items must be so designated, and the City will supply contractor with Tax Exemption Certificate, properly executed. Prices should be itemized.
2. The City of Conroe will pay for articles or services purchased under this bid within thirty (30) days after due and proper delivery or performance of service is made and accompanied by an invoice.
3. This purchasing contract is subject to the attached **Purchasing Terms and General Conditions**.
4. In case of discrepancy between the unit price and the extension price, the unit price will be taken.
5. **ALL PROPOSALS MUST BE SIGNED BY HAND.**

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The undersigned hereby offers to furnish and deliver the articles or services as specified above at the prices and terms there stated and in strict accordance with the specifications and general conditions of bidding, all of which are made a part of this offer. This offer is not subject to withdrawal.

Names of  
Business: \_\_\_\_\_

Mailing  
Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

By: \_\_\_\_\_ Title \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail Address: \_\_\_\_\_



## **C.K. Ray Recreation Center Roof Replacement Project Manual**

### Conroe Rec Center Roof Replacement Scope of Work:

1. Remove existing box vents and install new r-panel ridge cap to close openings.
2. Cut existing r-panel roof at eaves flush with existing structure and wall panels and remove existing rake and eave trim.
3. At existing R-panel roof install cross hatched 16 ga. galvanized framing over the existing roof system. Bottom framing to be spaced 40" o.c. fastened to each purlin from low eave of roof to the ridge. Top section of subframing to be spaced 48" o.c. attached to bottom layer. Top section to be fabricated to encapsulate polyiso roof insulation and cover board described below and to provide attachment point for standing seam clips.
4. At existing standing seam metal roof install one layer 16 ga. galvanized framing over existing roof system attached at each purlin from low eave of roof to expansion joint.
5. Provide and install new 16 ga. galvanized eave framing at rake and low eaves.
6. At existing R-Panel roof install polyisocyanurate roof insulation board at the required thickness (4" – 5") to eliminate transition from roof Area – A to roof Area-B and provide for continuous roof plane as detailed on R-201. Roof insulation to meet ASTM C 1289, Type II, Class 1, Grade 2.
7. Required thickness of insulation to be responsibility of contractor.
8. At existing standing seam roof install 1" polyisocyanurate roof insulation board. Roof insulation to meet ASTM C 1289, Type II, Class 1, Grade 2.
9. At all roof areas install ½" high density closed cell polyisocyanurate roof insulation 80 psi minimum density cover board over base layers of insulation.
10. Install Carlisle WIP 300 self-adhering high temperature underlayment over cover board per project details.
11. Install new 24 ga. acrylic coated galvalume 180 degree mechanically seamed 2" x 16" standing seam metal roof system. Roof system to be installed per project plans and specifications.  
Basis of design: Berridge Manufacturing Double Lock Zee Lock.
12. New standing seam metal roof to be installed using continuous zee-rib clip that run the length of seam.
13. Install all necessary trim components as detailed in project plans.
14. All panels are to be roll formed onsite in continuous lengths. No cross seams will be accepted.
15. Flash all roof penetrations per project plans and specifications.
16. At r-panel to existing standing seam transition, demo siding as necessary to install blocking as needed for flush rake wall plane.
17. Remove existing siding as needed at rake walls to provide for proper through wall flashing installation. Reinstall siding after through wall installation.
18. At parapet wall, remove existing skirt metal and coping cap and provide new through wall flashing according to project plans and specifications.
19. Install new 24 ga. galvalume plus skirt metal and 24 ga. galvalume plus sheetmetal coping cap with continuous 22 ga. cleat.
20. Remove existing siding as necessary at expansion joint and install new 24 ga. galvalume plus expansion joint flashing. Reinstall existing siding.
21. Demo existing louvers at east wall and install new wall panels to match existing.
22. Provide 22 ga. galvanized cleat fastened through existing wall panel to existing eave strut and plywood.
23. Provide 24 ga. prefinished Kynar 500 fascia metal attached to cleat. Color to match wall panels.
24. Provide new closures at top of wall panels.

25. Demo existing gutters and downspouts and provide new 24 ga. prefinished Kynar 500 6" box style gutters and 4x4 downspouts. Color to match existing wall panels.
26. Provide 1/8" gutter brackets 3' o.c. Gutter brackets to be wrapped with 24 ga. prefinished sheetmetal to match gutter color.
27. Provide new concrete splash blocks at each downspout location.
28. Provide (2) year workmanship warranty.
29. Contractor is solely responsible for disposal of materials in accordance with all applicable state, federal or local laws, regulations or requirements.

## SECTION 074113.16 - STANDING-SEAM METAL ROOF PANELS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes standing-seam metal roof panels.

#### 1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at location designated by City of Conroe.
  - 1. Meet with Owner, Architect, Owner's insurer if applicable, metal panel Installer, metal panel manufacturer's representative, structural-support Installer, and installers whose work interfaces with or affects metal panels, including installers of roof accessories and roof-mounted equipment.
  - 2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
  - 3. Review methods and procedures related to metal panel installation, including manufacturer's written instructions.
  - 4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
  - 5. Review structural loading limitations of deck, purlins and rafters during and after roofing.
  - 6. Review flashings, special details, drainage, penetrations, equipment curbs, and condition of other construction that affect metal panels.
  - 7. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
  - 8. Review temporary protection requirements for metal panel systems during and after installation.
  - 9. Review procedures for repair of metal panels damaged after installation.
  - 10. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.

B. Sustainable Design Submittals:

1. Product Test Reports: For roof materials, documentation indicating that roof materials comply with Solar Reflectance Index requirements.
2. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

C. Shop Drawings:

1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 3 inches per 12 inches (1:5).

D. Calculations:

1. Include calculations with registered engineer seal, verifying roof panel and attachment method resist wind pressures imposed on it pursuant to applicable building codes.

E. Samples for Initial Selection: For each type of metal panel indicated with factory-applied color finishes.

1. Include similar Samples of trim and accessories involving color selection.

F. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.

1. Metal Panels: 12 inches (305 mm) long by actual panel width. Include clips, fasteners, closures, and other metal panel accessories.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Manufacturer and Installer.
- B. Product Test Reports: For each product, for tests performed by a qualified testing agency.
- C. Field quality-control reports.
- D. Sample Warranties: For special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For metal panels to include in maintenance manuals.

## 1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in architectural sheet metal products.
- B. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
- C. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
  - 1. Build mockup of typical roof area and eaves, as shown on Drawings; approximately 48 inches (1200 mm) square by full thickness, including attachments, structural sub-framing, underlayment and accessories.
  - 2. Build mockups for typical roof area only, including accessories.
    - a. Size: 48 inches (1200 mm) by 48 inches (1200 mm).
    - b. Each type of exposed seam and seam termination
  - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  - 4. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

## 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.
- B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal panels until installation. Remove as panels are being installed. Verify film is not left on installed panels.

## 1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed according to manufacturers' written instructions and warranty requirements.



## 1.10 COORDINATION

- A. Coordinate sizes and locations of roof curbs, equipment supports, and roof penetrations with actual equipment provided.
- B. Coordinate metal panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

## 1.11 WARRANTY

- A. Special Galvalume Substrate Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Structural failures including rupturing, or perforating.
    - b. Deterioration of metals and other materials beyond normal weathering.
  - 2. Warranty Period: 20 years and 6 months from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
  - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
    - a. Color fading more than 5 Hunter units when tested according to ASTM D 2244.
    - b. Chalking in excess of a No. 8 rating when tested according to ASTM D 4214.
    - c. Cracking, chipping, peeling, or failure of paint to adhere to bare metal.
  - 2. Finish Warranty Period: 20 years from date of Substantial Completion.
- C. Special Installer Warranty: Furnish a written warranty signed by the Panel Applicator guaranteeing materials and workmanship for watertightness of the roofing system, flashings, penetrations, and against all leaks.
  - 1. Warranty Period: Two years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Recycled Content: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 29 percent.

- B. Solar Reflectance Index (SRI): Three-year-aged SRI not less than 32 or initial SRI not less than 39 when calculated according to ASTM E 1980, based on testing identical products by a qualified testing agency.
- C. Energy Performance: Provide roof panels that are listed on the EPA/DOE's ENERGY STAR "Roof Product List" for steep-slope roof products.
- D. Energy Performance: Provide roof panels according to one of the following when tested according to CRRC-1:
  - 1. Three-year, aged solar reflectance of not less than 0.55 and emissivity of not less than 0.75.
  - 2. Three-year, aged Solar Reflectance Index of not less than 64 when calculated according to ASTM E 1980.
- E. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to UL 580:
  - 1. Wind Loads: As indicated on Drawings.
  - 2. Other Design Loads: As indicated on Drawings
  - 3. Deflection Limits: For wind loads, no greater than 1/180 of the span.
- F. Air Infiltration: Air leakage of not more than 0.06 cfm/sq. ft. (0.3 L/s per sq. m) when tested according to ASTM E 1680 and ASTM E 283 at the following test-pressure difference:
  - 1. Test-Pressure Difference: 6.24 lbf/sq. ft. (300 Pa).
- G. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 1646 and ASTM E 331 at the following test-pressure difference:
  - 1. Test-Pressure Difference: 15 lbf/sq. ft. (718.2 Pa).
- H. Hydrostatic Head Resistance: No water penetration when tested according to ASTM E2140.
- I. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.
  - 1. Uplift Rating: UL 90.
- J. FM Global Listing: Provide metal roof panels and component materials that comply with requirements in FM Global 4471 as part of a panel roofing system and that are listed in FM Global's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Global markings.
  - 1. Fire/Windstorm Classification: Class 1A- 90
  - 2. Hail Resistance: SH.
- K. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of

joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces

## 2.2 STANDING-SEAM METAL ROOF PANELS

- A. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.
  1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1514.
  2. Aluminum Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1637.
- B. Vertical-Rib, Seamed-Joint, Standing-Seam Metal Roof Panels : Formed with vertical ribs at panel edges and panel striations between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and mechanically seaming panels together.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide Berridge Manufacturing Company; Double-Lock Zee-Lock (180° Seam) or comparable product by one of the following:
    - a. Drexel Metals 200S
    - b. The Garland Company
    - c. CENTRIA SDP200
    - d. Or prior approved equal
  2. Metallic-Coated Steel Sheet: Aluminum-zinc alloy-coated steel sheet complying with ASTM A 792/A 792M, Class AZ50 (Class AZM150) coating designation; structural quality. Prepainted by the coil-coating process to comply with ASTM A 755/A 755M.
    - a. Nominal Thickness: 0.024 inch (0.61 mm)
    - b. Exterior Finish: Two-coat fluoropolymer
    - c. Painted materials shall have a removable plastic film to protect the paint during roll forming, shipping and handling.
    - d. Color: Acrylic Coated Galvalume
  3. Clips: Continuous Zee-Rib to accommodate thermal movement.
    - a. Material: 0.024-inch (0.61-mm) nominal thickness, zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet.

- b. Material: 0.064-inch (1.63-mm) nominal thickness, zinc coated (galvanized) base with 0.033 inch (0.84 mm) stainless-steel top.
- 4. Joint Type: Double folded.
- 5. Panel Coverage: 16 inches (406 mm).
- 6. Panel Height: 2.0 inches (51 mm).

### 2.3 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of 40 mils (1.02 mm) thick, consisting of slip-resistant, polyethylene-film top surface laminated to a layer of butyl or SBS-modified asphalt adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer. Underlayment to contain exposed rubberized asphalt bead along the membrane edge to ensure watertightness of lap seams.
  - 1. Thermal Stability: Stable after testing at 250 deg F; ASTM D 1970.
  - 2. Low-Temperature Flexibility: Passes after testing at minus 45 deg F; ASTM D 1970.
  - 3. Manufacturers:
    - a. Carlisle Metal Products WIP 300HT

### 2.4 ROOF INSULATION

- A. Insulation Board: Thickness as indicated on drawings. Closed cell glass reinforced polyisocyanurate insulation board complying with ASTM C1289, Type I, Class 2, Grade 2.
- B. Cover Board: shall be supplied in ½" thickness and with an aged R-value of 2.5, with 80 psi minimum density approved by manufacturer for use. Acceptable cover board insulation types:
  - 1. Closed cell polyisocyanurate with premium performance coated inorganic glass facers, passing ASTM D 3273 for mold resistance and ASTM C 1621 for compressive strength.
    - a. Carlisle Securshield HD
    - b. Duro-Last Duro-Guard ISO HD board
    - c. Johns Manville ProtectoR HD Board
    - d. Sika Sarnatherm Roof Board – H

### 2.5 MISCELLANEOUS MATERIALS

- A. Metal Subframing and Furring: ASTM C 645; cold-formed, metallic-coated steel sheet, ASTM A 653/A 653M, G90 (Z275 hot-dip galvanized) coating designation or ASTM A 792/A 792M, Class AZ50 (Class AZM150) coating designation unless otherwise indicated. Provide a minimum 16 ga. Galvanized subframing. Provide manufacturer's standard sections as required for support and alignment of metal panel system.
  - 1. Provide a minimum 16 ga. Galvanized subframing in pan of existing roof panels.

- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
  - 1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal panels.
  - 2. Sub Flashing: Provide sub flashing fabricated of same metal as metal panels at all areas detailed in project plans.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- D. Gutters: Formed from same material as roof panels, complete with end pieces, outlet tubes, and other special pieces as required. Fabricate in minimum 120-inch (2400-mm) long sections, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Furnish gutter brackets spaced a maximum of 36 inches (914 mm) o.c., fabricated 1/8" steel and wrapped in prefinished metal same color as gutter. Provide wire ball strainers of compatible metal at outlets. Finish gutters to match metal wall panels.
- E. Downspouts: Formed from same material as roof panels. Fabricate in 10-foot (3-m) long sections, complete with formed elbows and offsets, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Finish downspouts to match gutters.
- F. Roof Curbs: Fabricated from same material as roof panels, 0.024 inch (0.61 mm) nominal thickness; galvalume or stainless steel; supply an integral full-length cricket for curbs wider than 24 inches (610 mm) supported by a structural metal deck. Fabricate curb flashing from 0.024 inch (0.61 mm). On open framing, provide roof underlayment and decking at and about roof curb per roofing manufacturer's requirements. Maintain a minimum of 1/2 of roofing panel width on each side of roof curb, and start panels a minimum of 9 inches (229 mm) up slope of roof curb, flashing roofing panels to roof curb per project details. Fabricate curb and subframing to withstand indicated loads of size and height of roof top equipment. Where required insulate roof curbs with rigid insulation.
- G. Panel Fasteners: Zinc-coated steel, corrosion resisting steel, zinc cast head, or nylon capped steel, type and size as approved for the applicable loading requirements.
- H. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
  - 1. Joint Sealant: Silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.

## 2.6 FABRICATION

- A. General: Fabricate and finish metal panels and accessories by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. On-Site Fabrication: Metal panels are to be fabricated on-site using factory set, non-adjustable, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
- C. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- D. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations, project plans and details, and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
  - 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
  - 2. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
  - 3. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
    - a. Size: 22 ga. cleat material

## 2.7 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in same piece are unacceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Steel Panels and Accessories:
  - 1. Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat applied by panel manufacturer on a continuous coil coating line, with a top side dry film thickness of  $0.75 \pm 0.05$  mil (0.0013 mm) over  $0.2 \pm 0.05$  mil (0.0013 mm) primer coat, to provide a total dry film thickness of

- 0.95± 0.10 mil (0.024 mm). Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
2. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish consisting of prime coat and wash coat with a minimum total dry film thickness of 0.35 mil (0.009 mm).

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
  1. Examine primary and secondary roof framing to verify that rafters, purlins, angles, channels, and other structural panel support members and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer.
  2. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal roof panel manufacturer.
    - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C 754 and metal panel manufacturer's written recommendations.

### 3.3 UNDERLAYMENT INSTALLATION

- A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated on Drawings, wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches (152 mm) staggered 24 inches (610 mm) between courses. Overlap side edges not less than 36 inches (914.4 mm). Roll laps with roller. Cover underlayment within 14 days or as directed by the underlayment product manufacturer.
  1. Apply over the entire roof surface.

2. In addition to entire roof surface apply additional layer over the roof area indicated below:
  - a. Roof perimeter for a distance up from eaves of 24 inches (610 mm) beyond interior wall line. Turn underlayment down face of eaves.
  - b. Valleys, from lowest point to highest point, for a distance on each side of 18 inches (460 mm). Overlap ends of sheets not less than 6 inches (152 mm).
  - c. Rake edges for a distance of 18 inches (460 mm). Turn underlayment down face of rake.
  - d. Hips and ridges for a distance on each side of 18 inches (305 mm).
  - e. Roof-to-wall intersections for a distance from wall of 12 inches (460 mm) and up wall behind siding minimum 6 inches.
  - f. Around dormers, chimneys, skylights, and other penetrating elements for a distance from element of 18 inches (460 mm).
- B. Flashings: Install flashings to cover underlayment to comply with drawings.

### 3.4 METAL PANEL INSTALLATION

- A. General: Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.
  1. Shim or otherwise plumb substrates receiving metal panels to be level to 1/4 inch in 20 ft. (6 mm in 6.1 m).
  2. Flash and seal metal panels at perimeter of all openings. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
  3. Locate and space fastenings in uniform vertical and horizontal alignment.
  4. Install flashing and trim as metal panel work proceeds.
  5. **Panels should be continuous without end laps.**
  6. Align bottoms of metal panels and fasten.
  7. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
  1. Steel Panels: Use stainless-steel fasteners for surfaces exposed to the exterior; use galvanized-steel fasteners for surfaces exposed to the interior.
  2. Aluminum Panels: Use stainless-steel fasteners for surfaces exposed to the exterior; use stainless-steel fasteners for surfaces exposed to the interior.
- C. Anchor Clips: Anchor metal roof panels and other components of the Work securely in place, using manufacturer's approved fasteners according to manufacturers' written instructions.
- D. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.



- E. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners specified in drawings.
  - 1. Install clips to supports with self-tapping fasteners.
  - 2. Install pressure plates, if required, at locations indicated in manufacturer's written installation instructions.
  - 3. Seamed Joint: Crimp standing seams with manufacturer-approved, motorized seamer tool so clip, metal roof panel are completely engaged.
  
- F. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
  - 1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, and similar items. Provide types indicated by metal roof panel manufacturers; or, if not indicated, types recommended by metal roof panel manufacturer.
  
- G. Flashing and Trim: Comply with performance requirements, project drawings and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with 4" end laps, joints, and seams that will be permanently watertight and weather resistant.
  - 1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and achieve waterproof and weather-resistant performance.
  - 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
  
- H. Gutters: Join sections with riveted and soldered or lapped and sealed joints. Attach gutters to eave with specified gutter brackets spaced not more than 36 inches (914 mm) o.c. using manufacturer's standard fasteners. Provide end closures and seal watertight with sealant. Provide for thermal expansion.
  
- I. Downspouts: Join sections with telescoping joints. Provide fasteners designed to hold downspouts securely 1 inch (25 mm) away from walls; locate fasteners at top and bottom and at approximately 60 inches (1524 mm) o.c. in between.
  - 1. Provide elbows at base of downspouts to direct water away from building.
  - 2. Connect downspouts to underground drainage system indicated.
  
- J. Roof Curbs: Install flashing around bases where they meet metal roof panels.
  
- K. Pipe Flashing: Form flashing around pipe penetration and metal roof panels. Fasten and seal to metal roof panels as recommended by manufacturer.

### 3.5 ERECTION TOLERANCES

- A. Installation Tolerances: Shim and align metal panel units within installed tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines as indicated and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.

### 3.6 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect metal roof panel installation, including accessories. Report results in writing.
- B. Remove and replace applications of metal roof panels where tests and inspections indicate that they do not comply with specified requirements.
- C. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- D. Prepare test and inspection reports.

### 3.7 CLEANING AND PROTECTION

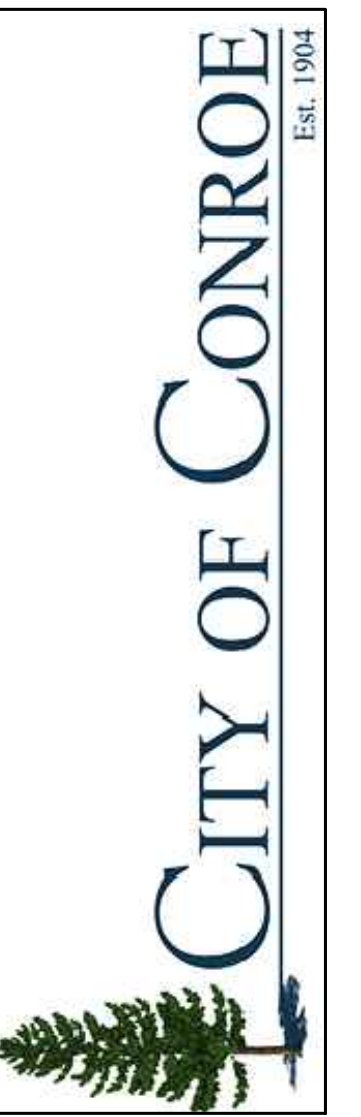
- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.
- B. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 074113.16



**SPECIFIC ROOF NOTES**

- ① REMOVE EXISTING BOX VENTS AND INSTALL NEW R-PANEL RIDGE CAP AT OPENINGS.
- ② REMOVE EXISTING SIDING AS NECESSARY TO INSTALL BLOCKING AS NEEDED FOR FLUSH RAKE WALL PLANE.
- ③ REMOVE EXISTING SIDING AT EXPANSION JOINT AND INSTALL NEW EXPANSION JOINT FLASHING. REINSTALL EXISTING SIDING.
- ④ AT EXISTING PARAPET WALL REMOVE EXISTING SKIRT METAL AND COPING CAP AND PROVIDE NEW THROUGH WALL FLASHING PER DETAILS.
- ⑤ INSTALL NEW SKIRT METAL AND COPING CAP WITH CONTINUOUS 22 GA. GALVANIZED CLEAT.
- ⑥ REMOVE EXISTING LOUVERS AT EAST WALL AND INSTALL NEW WALL PANELS TO MATCH EXISTING.
- ⑦ DEMO EXISTING GUTTERS AND DOWNSPOUT AND INSTALL NEW 24 GA. PREFINISHED 6" BOX STYLE GUTTERS WITH  $\frac{1}{8}$ " GUTTER BRACKETS 3 FT. O.C. AND 4X4 SMOOTH DOWNSPOUTS. COLOR TO MATCH WALL PANELS.
- ⑧ AT R-PANEL TO STANDING SEAM TRANSITION CROSS HATCHED SUBFRAMING TO BE INSTALLED TO PROVIDE FOR ONE CONTINUOUS ROOF PLANE FROM ROOF AREA-A TO AREA-B



**CITY OF CONROE  
C.K. RAY RECREATION CENTER  
ROOF REPLACEMENT**

PROJECT NUMBER:  
DRAWING DATE: 2/13/2020  
DRAWN BY:  
CHECKED BY:  
SCALE: AS SHOWN

REVISIONS:


SHEET DESCRIPTION:

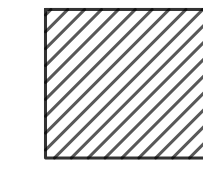
ROOF PLAN

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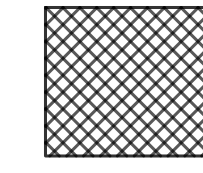
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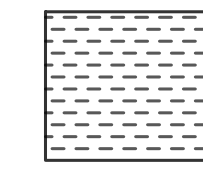
SUBFRAMING BY ROOF AREA



ROOF A - INSTALL 16 GA. GALVANIZED CROSS HATCHED SUBFRAMING OVER EXISTING R-PANEL ROOF TO MAKE FOR ONE ROOF PLANE FROM AREA-A TO AREA-B. BASE LAYER TO BE ATTACHED IN PAN OF R-PANEL FROM LOW EVE TO RIDGE FASTENED TO EA. PURLIN. TOP LAYER ATTACHED TO BASE LAYER. TOP LAYER ZEE TO ENCAPSULATE POLYISO AND COVER BOARD. INSTALL 2-LAYERS POLYISOCYANURATE ROOF INSULATION SYSTEM. FIELD VERIFY THICKNESS OF INSULATION BOARD NEEDED TO PROVIDE ONE ROOF PLANE FROM ROOF A TO ROOF B. INSTALL ½" HD COVER BOARD 80 PSI MIN POLYISOCYANURATE INSULATION WITH COATED GLASS FACERS, MINIMUM R-VALUE OF 2.5 OVER POLYISO.



ROOF B - INSTALL 16 GA. GALVANIZED CROSS HATCHED SUBFRAMING OVER EXISTING STANDING SEAM ROOF TO MATCH HEIGHT OF NEW SUBFRAMING AT ROOF A. BASE LAYER TO BE ATTACHED IN PAN OF ROOF PANEL FROM LOW EVE TO RIDGE FASTENED TO EA. PURLIN. TOP LAYER ATTACHED TO BASE LAYER. TOP LAYER ZEE TO ENCAPSULATE POLYISO AND COVER BOARD. INSTALL 1" POLYISOCYANURATE ROOF INSULATION SYSTEM TO MEET WITH ½" HD COVER BOARD 80 PSI MIN POLYISOCYANURATE INSULATION WITH COATED GLASS FACERS, MINIMUM R-VALUE OF 2.5.



ROOF C - INSTALL 16 GA. GALVANIZED CROSS HATCHED SUBFRAMING OVER EXISTING STANDING SEAM ROOF. BASE LAYER TO BE ATTACHED IN PAN OF ROOF PANEL FROM LOW EVE TO RIDGE FASTENED TO EA. PURLIN. TOP LAYER ATTACHED TO BASE LAYER. INSTALL POLYISOCYANURATE ROOF INSULATION SYSTEM TO MEET R-8.2 WITH ½" HD COVER BOARD 80 PSI MIN POLYISOCYANURATE INSULATION WITH COATED GLASS FACERS, MINIMUM R-VALUE OF 2.5.



**CITY OF CONROE  
C.K. RAY RECREATION CENTER  
ROOF REPLACEMENT**

PROJECT NUMBER:  
DRAWING DATE: 2/13/2020  
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CHECKED BY:  
SCALE: AS SHOWN

REVISIONS:

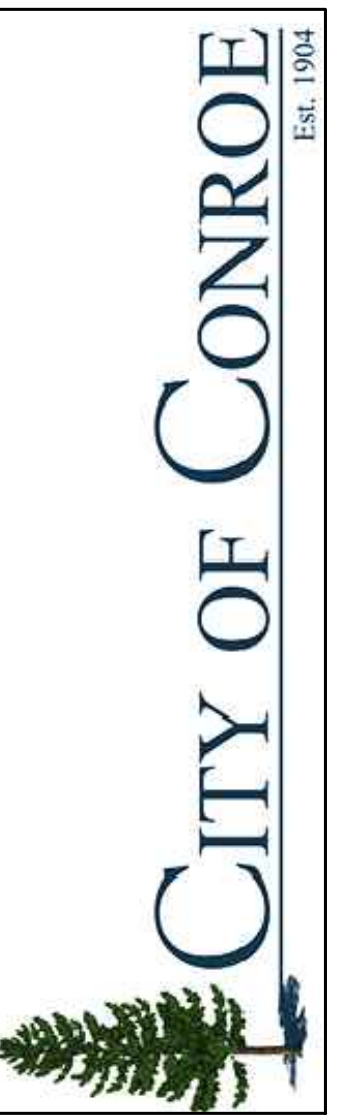

SHEET DESCRIPTION:  
  
ROOF PLAN

SHEET NUMBER:  
  
**R-201**



SPECIFIC ROOF NOTES

- ① REMOVE EXISTING BOX VENTS AND INSTALL NEW R-PANEL RIDGE CAP AT OPENINGS.
- ② REMOVE EXISTING SIDING AS NECESSARY TO INSTALL BLOCKING AS NEEDED FOR FLUSH RAKE WALL PLANE.
- ③ REMOVE EXISTING SIDING AT EXPANSION JOINT AND INSTALL NEW EXPANSION JOINT FLASHING. REINSTALL EXISTING SIDING.
- ④ AT EXISTING PARAPET WALL REMOVE EXISTING SKIRT METAL AND COPING CAP AND PROVIDE NEW THROUGH WALL FLASHING PER DETAILS.
- ⑤ INSTALL NEW SKIRT METAL AND COPING CAP WITH CONTINUOUS 22 GA. GALVANIZED CLEAT.
- ⑥ REMOVE EXISTING LOUVERS AT EAST WALL AND INSTALL NEW WALL PANELS TO MATCH EXISTING.
- ⑦ DEMO EXISTING GUTTERS AND DOWNSPOUT AND INSTALL NEW 24 GA. PREFINISHED 6" BOX STYLE GUTTERS WITH  $\frac{1}{8}$ " GUTTER BRACKETS 3 FT. O.C. AND 4X4 SMOOTH DOWNSPOUTS. COLOR TO MATCH WALL PANELS.
- ⑧ AT R-PANEL TO STANDING SEAM TRANSITION CROSS HATCHED SUBFRAMING TO BE INSTALLED TO PROVIDE FOR ONE CONTINUOUS ROOF PLANE FROM ROOF AREA-A TO AREA-B



CITY OF CONROE  
C.K. RAY RECREATION CENTER  
ROOF REPLACEMENT

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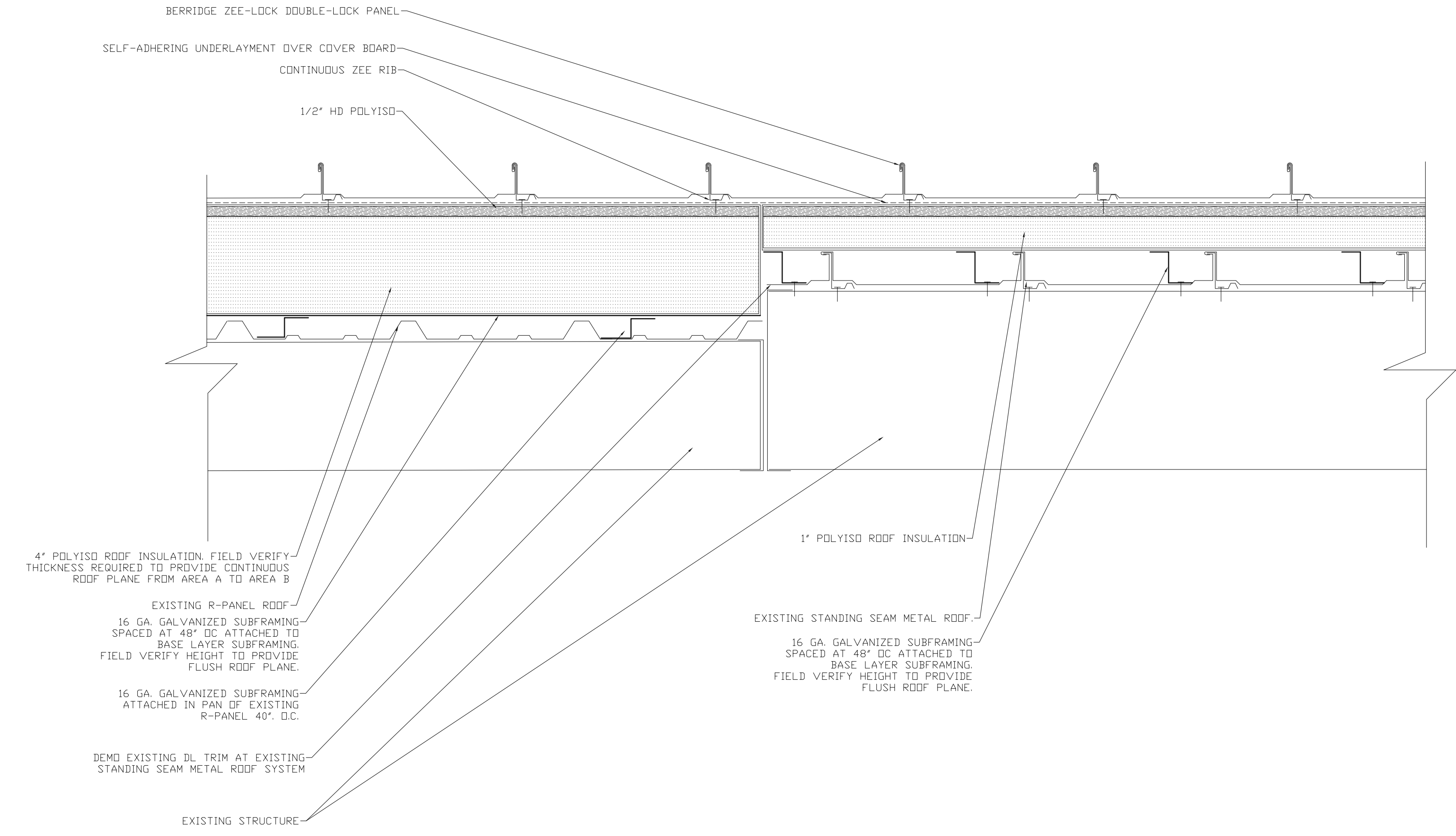

SHEET DESCRIPTION:

ROOF PLAN

SHEET NUMBER:

R-200

CITY OF CONROE  
C.K. RAY RECREATION CENTER  
ROOF REPLACEMENT



ROOF A TO ROOF B TRANSITION DETAIL

1

PROJECT NUMBER:  
DRAWING DATE: 2/13/2020  
DRAWN BY:  
CHECKED BY:  
SCALE: AS SHOWN

REVISIONS:


SHEET DESCRIPTION:  
  
DETAILS

SHEET NUMBER:  
  
**R-204**

# CERTIFICATE OF INTERESTED PARTIES

# FORM 1295

## OFFICE USE ONLY

Complete Nos. 1 - 4 and 6 if there are interested parties.  
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.**

4 Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)	
		Controlling	Intermediary

**5 Check only if there is NO Interested Party.**

**6 AFFIDAVIT** I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.

\_\_\_\_\_  
 Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said \_\_\_\_\_, this the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_, to certify which, witness my hand and seal of office.

\_\_\_\_\_  
 Signature of officer administering oath      Printed name of officer administering oath      Title of officer administering oath

**ADD ADDITIONAL PAGES AS NECESSARY**

**CONFLICT OF INTEREST QUESTIONNAIRE**  
For vendor doing business with local governmental entity

**FORM CIQ**

**This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.**

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1 Name of vendor who has a business relationship with local governmental entity.**

**2**  **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3 Name of local government officer about whom the information is being disclosed.**

\_\_\_\_\_  
Name of Officer

**4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.**

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes       No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes       No

**5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

**6**  Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7**

\_\_\_\_\_  
Signature of vendor doing business with the governmental entity

\_\_\_\_\_  
Date



## **CONFLICT OF INTEREST QUESTIONNAIRE**

### **For vendor doing business with local governmental entity**

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a):** "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

- (i) a contract between the local governmental entity and vendor has been executed;
- or
- (ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

- (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
- (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

- (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
- (B) that the vendor has given one or more gifts described by Subsection (a); or
- (C) of a family relationship with a local government officer.

\_\_\_\_\_ (“Company or Business Name”)  
**House Bill 89 Verification**

I, \_\_\_\_\_ (Person name), the undersigned representative of \_\_\_\_\_(Company or Business Name) hereafter referred to as “Company”; being an adult over the age of eighteen (18) years of age, after being duly sworn by the undersigned notary, do hereby depose and verify under oath that the company named-above, under the provisions of Subtitle F, Title 10, Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

*Pursuant to Section 2270.001, Texas Government Code:*

1. *“Boycott Israel” means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and*
2. *“Company” means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.*

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SIGNATURE OF COMPANY REPRESENTATIVE

On this the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared \_\_\_\_\_, the above-named person, who after by me being duly sworn, did swear and confirm that the above is true and correct.

NOTARY SEAL

\_\_\_\_\_  
NOTARY SIGNATURE

\_\_\_\_\_  
Date

**CITY OF CONROE  
PURCHASING DEPARTMENT**

**SENATE BILL 252 CERTIFICATION**

On this day, I, \_\_\_\_\_, the Purchasing Representative for the City of Conroe, Texas, pursuant to Chapter 2252, Section 2252.152 of the Texas Government Code, certify that I did review the website list prepared, maintained, and made available to the City of Conroe by the Comptroller of the State of Texas of companies known to have contracts with or provide supplies or services to Iran, Sudan or any foreign terrorist organization. I have ascertained that the below-named company is not contained on said list of companies that do business with Iran, Sudan or any Foreign Terrorist Organization.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
RFP or Vendor number

CERTIFICATION CHECK PERFORMED BY:

\_\_\_\_\_  
Purchasing Representative

\_\_\_\_\_  
Date