

CASTRO ROOFING
is proud to announce that we have won our

SEVENTH STRAIGHT
GOLDEN HAMMER AWARD



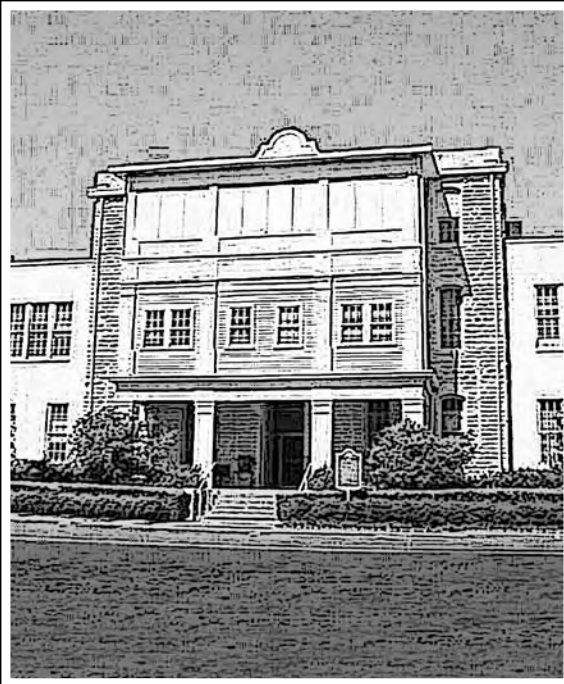
The Golden Hammer Award:

This award is given annually by the NTRCA to recognize outstanding work performed on a particular project. The award winner is selected by industry peers and projects are judged by logistical challenges, quality workmanship, uniqueness, difficulty, time constraints innovative solutions and safety challenges.

RUSK

STATE HOSPITAL

805 NORTH DICKINSON DRIVE
RUSK, TEXAS 75785



GOLDEN HAMMER AWARD

2007

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ENTRY FORM

Golden Hammer Application

Know someone who is outstanding in the field? Want to honor an industry leader? Here is the call for entries for the 2007 Golden Hammer Awards.

Background

The Golden Hammer Awards Program brings annual recognition to NTRCA contractor and associate members. These members will be recognized by their peers for their significant contribution to the roofing industry in the following categories.

Outstanding Residential and Commercial Projects: Three awards will be presented in each of these categories. Your entry could be based on: logistical challenges, quality workmanship, uniqueness, difficulty, time constraints, innovative solutions, safety challenges, or anything else you feel caused your projects to be unique.

Outstanding Community Service Project: Three awards will be presented for outstanding community service projects.

Eligibility

Unique roofing related projects, programs, services, etc. completed between December 1, 2005 and December 15, 2007 are eligible for entry.

Deadline

The deadline for entries is **December 18, 2007**. Winners will be announced at the NTRCA's 7th Annual Awards Banquet in 2007.

Entry Preparation

Your entry/application will consist of the following items:

1. An entry form along with a description of the job, program or event. Please describe what made this job or event so unique that it should be considered for a Golden Hammer Award.
2. Description of the job being considered and any relevant materials. Photographs are required – other supporting documents may be submitted, but only if they describe the uniqueness of the project.
3. Please remember the only information the judges will have to make their decisions are the pictures and information received in the entry.
4. Applicants are responsible for all shipment and postage in sending entries to NTRCA.
5. All entries become the property of NTRCA. **DO NOT SEND IRREPLACEABLE MATERIALS!**

Mailing Address

Entry forms and supporting documents must be mailed to NTRCA
Golden Hammer Awards
PO Box 9526
Fort Worth, Texas 76147

What Happens to Entries?

1. Entries are screened to verify eligibility.
2. Recognized industry experts serve as judges and evaluate each entry.
3. The highest ranking entries in each category will determine the winners of the Golden Hammer Awards.
4. The decisions of the judges are final and scores for individual entries will not be disclosed.
5. The Industry Leadership Award and Associate of the Year will be decided by the NTRCA Board of Directors based on nominations received from NTRCA members.

Must be postmarked by December 18, 2007



2007 NTRCA Golden Hammer Awards Official Entry Form



(Check one of the below)

- Outstanding Commercial Roofing Project
 Outstanding Residential Roofing Project
 Outstanding Community Service Project

Contractor's Name: Castro Roofing of Texas

Address: 4854 Olson Drive
Dallas, Texas 75227

Phone Number: 214-381-8108

Name of Project: Rusk State Hospital

Project Owner: Texas Health and Human Services Commission

Project consultant, engineer or architect (if any): Arnold & Associates, Inc.

List the NTRCA associate members involved: _____

Dallas Ft. Worth Roofing Supply, LLC

Date of commencement: February 20, 2007 Date of completion: September 17, 2007

On a separate piece of paper, describe the project. Include information concerning its unusual design, time constraints, difficulty factors and/or problems you may have faced.

Attach five 5x7 photos showing the project from different angles and in various phases of progress. All materials submitted become the property of NTRCA.

Projects must have been completed between 12/1/06 and 12/15/07.

Submitted by: Rodolfo Rodriguez

Title: Owner and CEO Date: December 18, 2007

CLIENT INTRODUCTION

Rusk State Hospital (RSH) is located on property owned by the State of Texas since 1877. Construction was completed in 1878 on a 576-foot, three-story penitentiary. It is now the hospital's administration building.

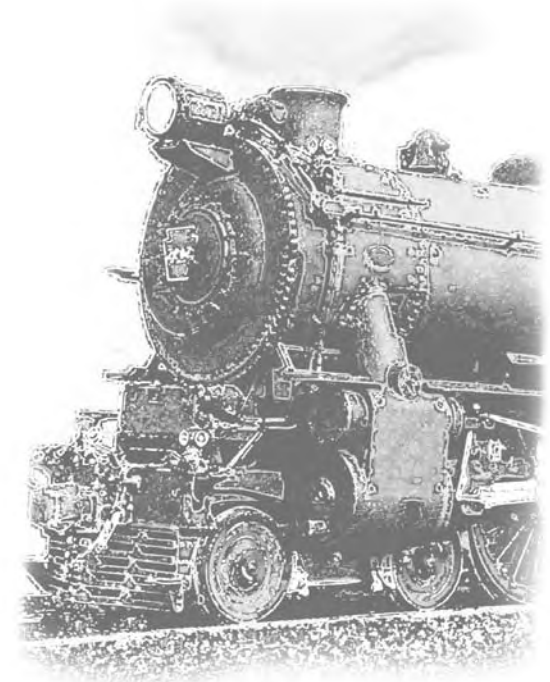
During the early years the prisoners assisted in construction of the Texas State Railroad from Rusk to Palestine. The railroad is the only state-owned railroad and is a current tourist attraction. The prisoners also built the Old Alcalde, an iron ore smelting furnace adjacent to the main building. The furnace's iron and iron products were used in many Texas state buildings and throughout the United States.

When the prison closed in 1917, the Texas legislature authorized and appropriated funds for its conversion to a mental hospital.

On June 11, 1919, the hospital received its' first patient. The facility was named Rusk State Hospital by the legislature in 1925. The Skyview Maximum Security Unit for mentally ill offenders from throughout Texas was established in 1953 and was transferred to Vernon State Hospital in 1988.

Now under the supervision of the Texas Department of State Health Services, Rusk State Hospital is one of the nine state hospitals sharing the responsibility of conserving the mental health of Texas citizens and helping persons with mental retardation achieve their maximum potential.

*Information taken from Texas Department of State Health Services website.
www.dshs.state.tx.us/mhhospitals/RuskSH/RSH_About.shtm*





GENERAL INFORMATION

PROPERTY:

Rusk State Hospital

Buildings:

506, 508, 511, 512, 513, 514, 515, 563,
605, 606, 607, 615, 626, 627, 631, 632, 633, 634, 635, 636 & 659

OWNER:

Texas Health and Human Services Commission

909 W 45th Street

Austin, Texas 78751

ARCHITECT:

Arnold & Associates, Inc.

14275 Midway Road, Suite 170

Addison, Texas 75001

FACILITY REPRESENTATIVE:

Kevin Gentry - Plant Maintenance Manager

Rusk State Hospital

Highway 69 North

PO Box 318

Rusk, Texas 75785



4854 Olson Drive • Dallas TX 75227

214.381.8108 • Fax 381.8109

800.759.1879

info@castroroofing.com • www.castroroofing.com

GENERAL INFORMATION

ROOF REPAIR / REPLACEMENT FOR MULTIPLE BUILDINGS

ROOF SYSTEM TYPES:

Standing Seam, Modified Bitumen, Tapered Polyisocyanurate insulation and installation of Lightweight Insulated Concrete Deck.

SCOPE OF WORK: TWO SYSTEMS (LOW-SLOPE & STEEP-SLOPE)

LOW-SLOPE ROOFS - TWO DIFFERENT PROCEDURES - The first section of the low-slope roof consisted of removing the existing roof system down to the metal deck. The existing Phenolic insulation caused surface rust that was removed by properly preparing and priming the metal deck. The tapered Polyisocyanurate insulation and Modified Bitumen roof system were then installed.

The second section consisted of vacuuming the existing aggregate and leaving the original roof in place. All base flashings were completely removed and new wood-blocking was installed throughout. The base flashing was temporarily sealed prior to installation of the NVS lightweight system and then covered with the new Modified Bitumen roof system.

STEEP-SLOPE ROOFS - TWO DIFFERENT ROOF SYSTEMS REMOVED (24-GA pre-finished standing seam metal roofs installed on 15 separate buildings)

The first section consisted of removing metal roofs. The second section consisted of removing wood shake roofs. New wood decking was installed for the standing seam metal roof.

STANDING SEAM SYSTEM -

- removal of metal roof panels and existing wood shakes
- installation of ¾" plywood decking, ice & water shield and 30 lb felt
- installation of 24 gauge pre-finished standing seam metal roof system

LIGHTWEIGHT INSULATED CONCRETE DECK -

- removal of all aggregate, dust and dirt from roof surface
- repaired existing roof membrane
- installation of lightweight insulated concrete deck system to provide positive drainage over entire roof surface

MODIFIED BITUMEN MEMBRANE -

- removal of existing roof and Phenolic insulation down to the metal deck
- removal of rust from metal deck, prime per manufacturer's specs
- installation of tapered Polyisocyanurate insulation on metal deck
- mechanically fastened specified base sheet
- installation of torch grade Modified Bitumen base sheet
- installation of torch grade Modified Bitumen cap sheet

OTHER:

- 24-GA pre-finished sheet metal trim
- fall-protection per OSHA requirements
- custom wood blocking
- brick wall replacement
- priming of rusted metal deck necessary due to Phenolic Foam Roofing Insulation
- existing HVAC units had to be raised to meet new manufacturer height requirements
- existing skylights and skylight curves were removed and roof deck was patched with similar decking material
- existing misaligned roof trusses were lifted and reinstalled utilizing a 16 ton crane
- extra "life-safety" precautions were coordinated with plant maintenance manager due to the complex nature of working around the lives of the residents living at a state operated hospital



SIZE OF PROJECT:

- SBS Modified Roofing = 27,300 sq. ft.
- Standing Seam Metal = 48,000 sq. ft.
- Total Square Feet = 75,300 sq. ft.
- Length of project: = 209 calendar days
- Completion date: = September 2007

PERCENTAGE OF SELF-PERFORMED WORK:

- 90% Castro Roofing of Texas & 10% NVS Lightweight Concrete (G.L. Nettles, Inc.)

UNIQUENESS



Access and operations presented a challenge because construction could not interfere with the daily activities of the facility’s residents and staff. The fact that Rusk State Hospital is an accredited inpatient hospital that focuses on psychiatric treatment and care, signified various dilemmas for our presence. As is appropriate, the hospital demands a higher standard for patient rights, patient treatment and excels in providing safe, high-quality care for its residents.

This fact translated into the importance of being extremely cautious and demanded that visual or physical distractions be kept to a minimum. Due to the sensitive nature of the residents, the noise level was also a concern especially during demolition. Castro Roofing coordinated all work in such a manner that facility operations continued with minimal disturbance. Daily meetings with hospital staff were necessary as communication was essential. Large, temporary fences were installed around work areas to keep visibility from patients to a minimum.

Access to existing buildings, facilities, parking, streets and walkways had to remain unrestricted at all times. During this project, Castro Roofing fully complied with all requests, was pro-active and accomplished the goal in keeping the hospital’s daily routines going without interruption.

CHALLENGES

THE CHALLENGE

The Rusk State Hospital re-roofing project was very challenging, not only to estimate but also to execute. The twenty-one separate buildings were comprised of 75,300 sq. ft. of multiple roof elevations, tapered Polyisocyanurate insulation, rusted metal deck reparations, two different roof systems, multiple roof repairs and a tapered NVS Lightweight pour.

Excellent communication with our crews and sub-contractor was maintained during our daily coordination meetings that ensured operations at the hospital were not interrupted. The 27,300 sq. ft. of low-slope roof required a tapered NVS Lightweight deck to create positive drainage. This demanded a synchronized effort between the installation of the new NVS Lightweight deck and the SBS Modified Roof System which maintained the building water-tight during the various phases of work.



CHALLENGES

A large interest is always shown on a high profile project such as Rusk State Hospital. As the bid date approached we analyzed the various phases and the requirements set forth in the Bid Documents to properly clarify details in the scope of work to our production team to insure proper quotes. We reviewed the scope of work to analyze all the client's special requirements such as the new tapered NVS Lightweight deck, Factory Mutual requirements, the multi-ply SBS Modified Bitumen membrane and the new standing seam metal roof, a-typical insurance requirements, site restrictions, construction safety issues, environmental concerns and public safety interest. Out of the several bids that were submitted, Castro Roofing of Texas was selected from a list of candidates and awarded the project.

We knew from the beginning this would be one of the most challenging re-roofing projects to date. Due to the high profile of this project, the owner utilized several entities, including internal and external property management, in addition to an external roofing consultant to co-manage the construction.

Although Castro Roofing spear-headed the role of Production Coordinator to facilitate the overall progress and quality of the finished roof surface, we give special thanks to Rusk State Hospital and Arnold & Associates for their invaluable support and cooperation which was paramount in achieving success.



CHALLENGES

HOSPITAL DEMANDS

Dealing with a facility that houses and provides care for a large spectrum of people from the criminally insane to the mentally impaired posed many potential problems. The hospital also houses the elderly, special children and people that are physically challenged, emotional abused or disconnected from society. We deeply respect the great humanitarian efforts at Rusk State Hospital as well as the residents seeking help at the facility. Knowledge of the delicate nature of the daily routines assisted in the scheduling of this project.



Removed old wood shakes from various cabins and installed standing seam roof system for hospital residents

Safe, neat & clean, Baby!

CHALLENGES

LOGISTICS AND DRIVE TIME

Other obstacles involved were of logistical and technical nature. The hospital is approximately 125 miles southeast of Dallas, Texas. The two and a half hour one-way drive presented our crews with five hours of daily driving to and from the job-site, not including the drive employees had to make to the crew trucks located at the corporate office in Dallas.

The Texas summer was not very forgiving as temperatures soared over the hundreds on long summer days as gas prices tried to match rising temperatures with soaring fuel costs. Our crews wisely went over project details, had productive informational meetings, stayed hydrated and got some well deserved rest during the drives. As the end of the project neared, crews stayed close to the location to save time, fuel and money when possible.

“the two and half hour one-way drive presented our crews with five hours of daily driving”



CHALLENGES

SUB-CONTRACTOR AND SCHEDULING

Due to the job's multiple buildings and tight schedule, there was a need for extensive coordination between crews and the sub-contractor during the installing of the NVS Lightweight deck.

For this phase of the project, the roof aggregate was vacuumed, all base flashings were removed and a temporary roof system was then installed to keep the building water tight until lightweight concrete could be poured by subcontractor, G.L. Nettles.

Because the cure time for lightweight concrete is approximately seventy-two hours, special coordination and execution was absolutely crucial to maintain the building water-tight at all times and on schedule.

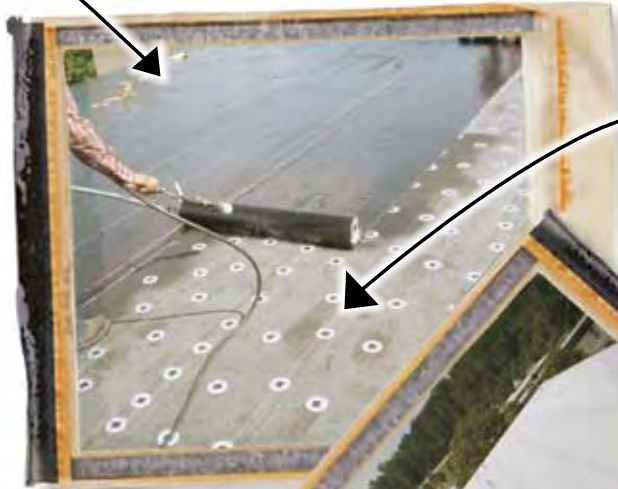
Throughout the entire process from the roof removal, the NVS Lightweight concrete pour, the installation of a temporary roof membrane all the way through the finished roof system, the entire project never experienced major delays. A seamless workflow and good communication between the Hospital, the Roof Consultant, Castro Roofing and its sub-contractor made this phase of construction a success.



CHALLENGES



*Installation of torch
modified base sheet*



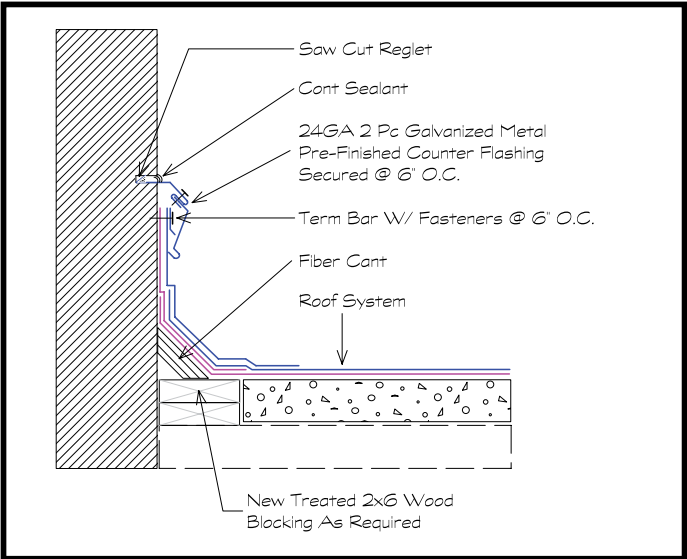
*Mechanically
fastened base
sheet*



CHALLENGES

SPECIAL DETAILS

The features in the original roofing system and special architectural details throughout this Historical Building had to be preserved.



Rendering of counter flashing detail



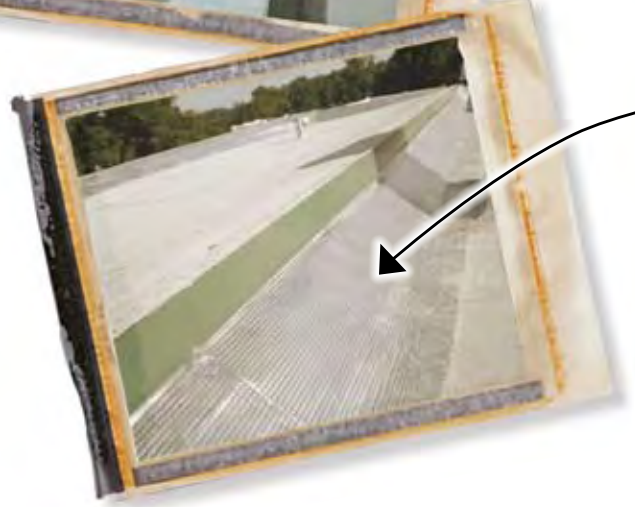
CHALLENGES



Ready for base flashing



Aluminum-clad base flashing



Metal edge detail with 18 gauge cleat



SAFETY

SAFETY: THERE IS NO COMPROMISE!

When it comes to safety at Castro Roofing there is no compromise! “Castro’s safety performance record was very impressive and exceeded all the standards set by the Hospital,” stated Kevin Gentry, Plant Maintenance Manager, “after working with this company it has become evident that Castro continues to refine all of its’ processes, safety being their main focus.”

Because our crews consist of mainly Hispanic workers, Castro provides “Tool Box Talks” in Spanish for improved communication and comprehension.



TOOL BOX TALK ITEMS:

- unique hospital safety requirements
- scaffolding
- hand tools
- flammable liquids and combustibles
- eye protection
- protective wear (gloves, clothes and shoes)
- hard hat
- fire safety watch
- operating the kettle
- back injury prevention
- heat exhaustion
- practical jokes on the job site

NO INJURIES!

While construction was underway, Castro Roofing’s OSHA trained safety management team kept a close eye over the entire project. Two job-site specific safety meetings were held weekly at the project site while another company-wide safety meeting was conducted monthly at the corporate office. These meetings and inspections resulted in ZERO accidents. In addition, no lost days were experienced during the 209 day project!

SAFETY



Life lines!



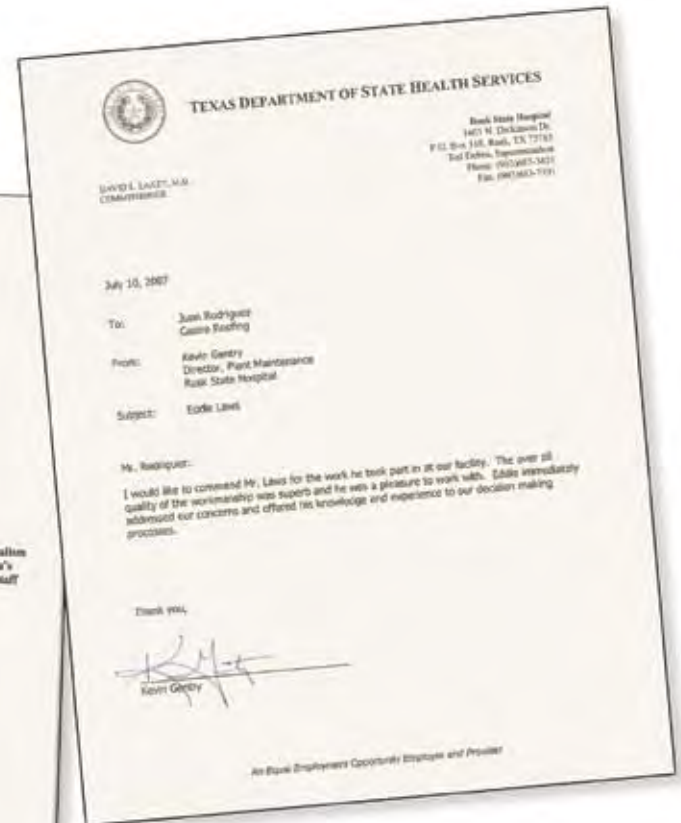
100% tied off!



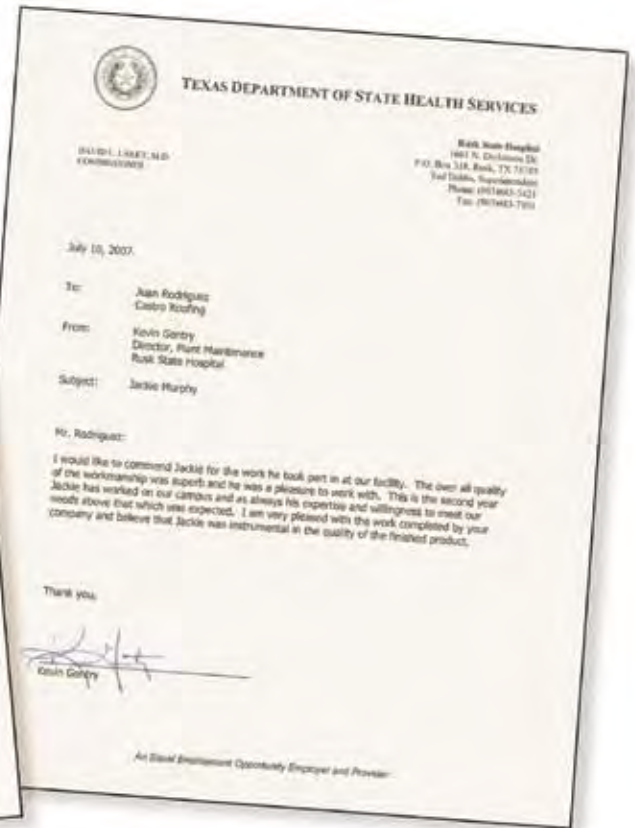
Hang 'n on



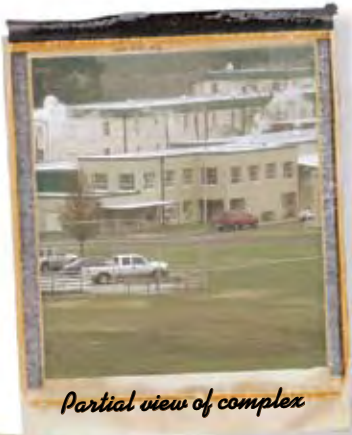
TESTIMONIALS



TESTIMONIALS



PROJECT PHOTOS



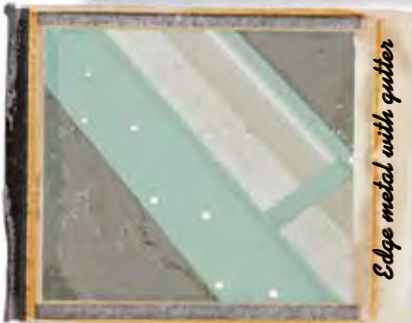
Partial view of complex



Building view



Prime edge metal



Edge metal with gutter



Historical building



No detail too small



One-way vent



Mechanical base sheet



Straight & true



Close-up mech base sheet



Base flashing in progress

NTRCA MEMBER INVOLVEMENT

This project was self-performed by Castro Roofing of Texas, L.P.

Under Castro Roofing of Texas, L.P. contractor's scope of work, the following NTRCA member contributed to the success of this project:



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