Doug Czor
Red Desert Research, https://czor.com/

Los Alamos County Art in Public Places Board
APPB Staff Liaison, Los Alamos County
1000 Central Avenue, Ste 310
Los Alamos, NM 87544

RE: Betty Ehart Senior Activity Center Security Gate

To Whom it May Concern: January 12, 2025

Introduction Description of Sculptural Security Gate:

I propose a New Mexico wildlife theme for the Senior Activity Center security gate. Being in this age group myself, I imagined myself walking by this artwork and questioned what themes presented there would inspire positive emotions? I grew up in a portion of Minnesota that is a northern rain forest. I was always involved with rescuing wildlife injured by power lines or neighborhood dogs. My experiences with wildlife over the years taught me about why the migrating Cranes are so cherished all over the world and by many different cultures. The various species of Cranes that fly into each of these cultures provides the beautiful mystery of flight and the sensation of a spiritual world. Cranes are so loved that governments have provided hunting bands for Cranes, supplied foods for them, and set aside large tracks of land for their wintering. When we watch the large migratory birds flying over New Mexico to winter here, there is the perception of amazement and sometimes astonishment. For these reasons, I've designed a security gate that exhibits the Sandhill Crane's life cycle from chick to V-formations. I would like to title the sculpture, "Messengers", or similar. I'm open to discussion on this subject.

Technical Description of Proposed Sculptural Security Gate:

My plan is to use a high grade stainless steel because of it's strength, light reflectivity, and resistance to corrosion. The background behind the gate is a dark colored concrete masonry, so I believe the gate should contrast and be a bright reflective metal in order for it's artistic message to stand out from the architecture. A stainless steel square tubing frame will support the perforated stainless steel screen. The stainless steel birds will be cut out separately and welded unto the front of the perforated stainless steel sheet or screen. We plan to artistically apply light surface grinding descriptive of the Sandhill Crane plumage.

With your permission, I would like to extend the width of the outside edge of the perforated stainless steel screen perhaps an inch or two beyond the inside edge of the brick masonry. The reason is that the architectural masonry edge of the doorway is a strong visual distraction away from the message of the artwork. If we allow the masonry edge to show, the effect would be similar to having an important painting mounted within a problematic frame. The square stainless steel tubing framework will supply most of the strength to the security gate. This framework will have the outside dimensions of 55.75 inches wide x 106 inches in height and fit tightly inside the concrete masonry architectural doorway. See attached computer graphic illustration #9. This tubing frame will have tabs along the outside edges for attachment to the masonry. The emergency door will have the same type of framework and include the Touch Bar lock #10.

The attachment of the sculptural security gate to the masonry walls will require drilling into the masonry and placement of heavy duty stainless steel security sleeve anchor bolts by the County. The gate will weigh approximately 500 lbs. The long term maintenance would require only water spraying or brushing off New Mexico dust, as the high grade stainless steel is resistant to corrosion, oxidation, UV light, water, etc. Any graffiti paint could easily be removed by standard methods from the stainless steel artwork of the security gate. Any damage to the stainless steel artwork could easily be resurfaced with light grinding.

We will consult and work with the designated engineer from the Los Alamos County Engineering Division in order to meet all required specifications. My workmanship ethic is to use materials and techniques to help the artwork last a hundred years or more. If this doorway and stairs are remodeled in the future, the security gate could be saved and remounted elsewhere. The steel fabricator company for this project is **Keiths Kreations** at 6143 Edith Blvd., Albuquerque, NM 87107, 505-341-9415. This family owned business has agreed to take on this project and my design is already in their computer. This is a high specialty shop for precision fabrication and machining of all metals. They are highly skilled at Tig and Mig welding, water jet cutting, CNC machining, and many other services. They have for many years finished jobs for Sandia and Los Alamos National Labs, the Air Force, and other agencies. They were the principal fabricator for my last Public Art sculpture, "Carry The Light", which is presently suspended from the two-story ceilings within the Los Alamos County Community Building at the golf course. I will sign the contract and deliver to Los Alamos County the sculptural security gate in approximately two months from the contract signing for $23,000. We will supply any services and assist if necessary for the mounting of the security gate. Thank you for this opportunity.

Sincerely,

Doug Czor

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Resume For Doug Czor December 2024

BORN: May 28, 1947, St. Paul, Minnesota. Raised in rural South St. Paul, MN. Doug's favorite toy was oil based modeling clay. Sold his first fine art ceramic sculpture at age of 16 years. Won Science Fair Blue Ribbon Award during Junior High School. He always worked on art projects on the side until transitioning from a MIT geology scientist to full-time sculptor in 1983.

PUBLIC ART COMMISSIONS:

"Reaching for the Stars", painted steel & stainless steel sphere, 35 ft x 12 ft x 8 ft, renovated and reinstalled at the center of Eastern New Mexico University campus, Roswell, NM (2022)

"Carry the Light", dichroic film on Plexiglas panels, 6 clusters of 3 panels each, largest panel being 48 in. x 30 in., suspended from 19 ft. ceiling hallways and the restaurant within the new Los Alamos County Community Building on the golf course, Los Alamos, NM (2017)

Bernalillo County Seal, two painted aircraft grade fiberglass bas-reliefs, 72 in. diameter, located at two locations within the Bernalillo County office building, One Civic Plaza, Albuquerque, NM (2006 and 2013)

"One Wind", painted steel and Arizona flagstone, 84 in. x 144 in x 96 in., temporary installation for Festival of Cranes, Bosque del Apache Wildlife Reservation, New Mexico Arts competition, Socorro, NM. Was purchased and moved to private residence in Corrales, NM (2005)

"Galileo's Library", four diffraction gratings on hammered aluminum panels in window format, 48 in. x 48 in., Bernalillo County Courthouse Contemporary Art Collection, Albuquerque, NM (2003)

"Reaching for the Stars", painted steel & stainless steel sphere, 35 ft. x 12 ft. x 8 ft, New Mexico Military Institute, Roswell, NM (2003). Was renovated and moved to a central location on the campus of Eastern New Mexico University, Roswell, NM (2022)

Bernalillo County Seal, two bronze bas-reliefs, each 72 inches in diameter and .75 inches thick for the center of the main floor in the new Bernalillo County Courthouse and wall mounted in the lobby of the Bernalillo County Detention Center, Albuquerque, NM (2001)

"M-100 Spiral Galaxy in Virgo", painted diffraction grating film on hammered aluminum panels, 84 in. x 84 in. x 2 in., Lobby of Phillips Lab, Air Force Research, Albuquerque, NM (1997)

"Sun Kachina", 22 in. x 22 in., and "Sunflower Yeas", 13 in. x 26 in., two electroformed copper wall-hung bas-reliefs for Hobbs City Hall Collection, Hobbs, NM (1992)

PUBLISHED ARTICLES BY ARTIST:

Czor.com website: "Surviving Climate Change by Way of Art & Science," (2013)
https://czor.com/2013/12/surviving-climate-change-by-way-of-art-science/

Czor.com website: "Evolution of an Idea in Reaching for the Stars," & "The Spirit of Humanity," (2011)
https://czor.com/2011/11/evolution-of-an-idea/
https://czor.com/2011/07/the-spirit-of-humanity/

Albuquerque Arts Magazine, "Art: A Search for Understanding," Sept 2007, pp 11.

LEONARDO Magazine, "Art and Science for the Youth of New Mexico," Vol. 23, pp. 225-226, (1990)

LECTURES/PUBLIC SPEAKING ENGAGEMENTS:

"Art, Science and Technology", two inspirational Powerpoint lectures on the history of great artist scientists same day at Roswell High School and Eastern New Mexico University, Roswell, New Mexico, (2022)

"Land Art & Climate Change Atmospheric Chemistry," an evening slideshow presentation event at Johnsons of Madrid Art Gallery, Madrid, New Mexico, (2010)

"Art and Technology of Gustave Eiffel," yearly slideshow lectures for graduate classes, School of Civil Engineering, University of New Mexico, (1993-1998)

"Art and Science History and Techniques," an evening slideshow lecture and He-Ne Laser Art demonstration event, Institute of American Indian Arts, Santa Fe, New Mexico, (1992)

"Photography with a He-Ne Laser," slideshow lecture about computer graphics and He-Ne Laser Art for the Photography class, Highland High School, Albuquerque, New Mexico, (1991)

EXCERPTS FROM PUBLICATIONS ABOUT THE ARTIST:

[Los Alamos Monitor Newspaper Online] Tris DeRoma, "Carry the Light, Public Art", Friday, August 4, 2017, "He hopes children that see the new sculpture see science and math in a different way too, or at least be interested enough to participate in a future where science is valued." he said. "My goal in life is to create inspiration for young people that would inspire them to become a scientist, a physicist, or an engineer."

[ABQ ARTS Magazine] Stefanie Gibbons, "Artist to Watch," May 2004, "Czor's goal is to reach the summit where art, science, and spirituality become one."

[Albuquerque Journal] William Clark, "Art, Science Inseparable For Modern Day Da Vincis," 18 Oct 1987, "The rational logic of science and the unfettered imagination of art are frequently seen as representing opposite ends of the spectrum of human endeavor - but not by Doug Czor."

[Albuquerque Journal] David Staton, "Exhibit Celebrates Efforts To Revitalize Marriage of Art & Science," 1 Feb 1991, "Doug Czor is a cultural ambassador on a mission to alter some misconceptions about science and art - a sort of a Mr. Wizard with a paintbrush."

FORMAL EDUCATION:

Cambridge Blackstone Etchers, Cambridge, MA, Etching and Printmaking, (1984-1985)

Massachusetts College of Arts, Boston, MA, Sculpture and Bronze Foundry Casting, (1984)

Science Museum of Minnesota, St. Paul, MN, work/study in Paleontology and Exhibits, excavation and preservation of fossils. Lectures to special interest groups, (1975-1976)

University of Minnesota, B. S. Degree in Geology and Business Administration. Side projects include invention of the Growing Wall - porous slabs that attach to buildings, allowing vegetation to grow, an architectural answer for cooling cities during Climate Change, (1976)

ART ADMINISTRATIVE EXPERIENCE:

New Mexico Sculptors Guild: (2001-2006) Santa Fe, NM, Board of Directors, Membership Chair.

Leonardo Corner: (1989-1995) Albuquerque, NM, founder of the exhibition space in front lobby, and curator of Art & Technology exhibitions in the School of Mechanical Engineering, University of New Mexico, Albuquerque, NM.

"Space 88," "Space 90," and "Space 94": (1988-1994) Albuquerque, NM, curated and produced Space Art exhibitions for three consecutive International Space Engineering Conferences held at the Albuquerque Convention Center.

"Art and Science Exhibition of 1987": (October 1987) Albuquerque, NM, conceived and curated the show, video, performances, and catalog. An 18-artist Art & Science exhibition for one month at the State Fairgrounds Fine Arts Gallery which also served many Albuquerque Public Schools and Pueblo educational field trips. The exhibition received wide Chan 13 TV media support in New Mexico and California. This was a motivational pro Art & Technology exhibition in a time before the public had cell phones and personal computers at home.

Criteria Foundation: (1974-1976) Minneapolis, Minnesota, Board of Directors for two years. Criteria Foundation was composed of professional architects and artists who spearheaded new concepts in solar energy, underground architecture, new architecture, art, and science education for teachers.

OTHER PROFESSIONAL EXPERIENCE:

Red Desert Studios & Research: (1985-present) Albuquerque, NM, owner of art production business directing the invention, design, fabrication, and installation of new Art & Science, Art & Technology artworks for private collections and Public Art. Research on the utilization of Space Age materials and techniques for artistic purposes.

Massachusetts Institute of Technology: (1982-1985) Cambridge, MA, Staff Research Scientist, Earth and Planetary Sciences Dept., supervising students and professors how to utilize the Microprobe and Scanning Electron Microscope (SEM) facility.

Kennecott Copper Corporation, Exploration Department: (1979-1982) Salt Lake City, UT, Computer Programmer Geologist, developing new computer graphic mapping programs for geologic exploration.

The Milwhite Company: (1976-1979) Houston, TX, Head Geologist, mineral exploration.

The Science Museum of Minnesota: (1975-1976) St. Paul, MN, Museum Preparator in Paleontology, Work/Study program while finishing degree in Geology at the University of Minnesota. Responsibilities included field recovery of fossils, preparation of fossil specimens for exhibition, and museum lectures.

SELECTED GROUP ART EXHIBITIONS:

Southwest Annex Gallery on Midtown Campus, formerly Santa Fe University of Art and Design, organized by LASER SciArt of Santa Fe, NM (March 2023)

South Broadway Culture Center, Albuquerque, NM (2021)

Johnsons of Madrid Art Gallery, Madrid, NM (2009-2011)

The Art Center at Fuller Lodge, "Sculptural Ideas," Los Alamos, NM (2009)

The Art Center at Fuller Lodge, "Art Expressions in Technology and Science," Los Alamos, NM (2009)

St. Johns College, Science and Art Forum, "Invisible Forces of Nature," Santa Fe, NM (2008)

St. Johns College, Science and Art Forum, "Elements: Earth Air Fire Water," Santa Fe, NM (2008)

Bosque del Apache National Wildlife Refuge, Festival of the Cranes, New Mexico Art In Public Places project, temporary installation, painted steel & stone, Socorro, NM (2005)

Shidoni Art Gallery, "Finding the Light," Gold leaf panels, Artist Opening, Tesuque, NM (2004)

Shidoni Art Gallery, "Inside Out," diffraction grating, NM Sculptors Guild Exhibition, Tesuque, NM (2003)

Jewish Community Center, Rio Grande Artists Assoc., juried exhibition, Albuquerque, NM (2002)

The Governor's Gallery, "Sculpture at the Roundhouse", diffraction grating, NM Sculptors Guild Exhibition, Santa Fe, NM (2002)

COSI Toledo Exploratorium, "Astronomical Art Show", diffraction grating paintings, Toledo, OH (2001)

"Contemporary Art 1999", diffraction grating paintings, The Art Center At Fuller Lodge, Los Alamos, NM (1999)

"SPACE 90", Space Engineering Conference, Electroformed Copper Landform Series, Albuquerque Convention Center, NM (1990)

International Astronomical Artists Assoc. (IAAA) Exhibition, two sculptures in traveling exhibit through cities in Russia, Ukraine, and Belarus, in coordination with NASA for diplomacy in order to build the 1st International Space Station. (1989)

"Art & Science Exhibition", Leonardo Corner, University of New Mexico Mechanical Engineering Dept., Albuquerque, NM (1988)

"SPACE 88", Space Engineering Conference, Hilton Hotel, Albuquerque, NM (1988)

"Inspiration from the Landscape", Kimo Art Gallery, Albuquerque, NM (1988)

"Art and Science Exhibition 1987", Fine Arts Gallery, State Fairgrounds, Albuquerque, NM (1987)

"The North American Sculpture Exhibition", Foothills Art Center, Golden, CO (1987)

Albuquerque United Artists, Albuquerque, NM (1985-1986)

<u>RECENT EXPERIMENTAL SCULPTURE:</u>

Dichroic film and Diffraction Grating film, two bas-relief limited edition series,15 in. x 20 in., titled "Spiral Galaxy in Pisces M-74", artist's collection, Albuquerque, NM (2022-2023)

Image Key: Los Alamos Senior Activity Center Security Gate

For Doug Czor
https://czor.com/

[1] "Reaching For the Stars", 35 ft x 12 ft x 8 ft, painted steel and stainless steel sphere, located in the center of Eastern New Mexico University, Roswell, NM. (2023)

[2] "Reaching For the Stars", Professor of Art, Bailey Coll giving a tour to the top High School art students from the Roswell area. The presentation was on the subject of combining the creativity of art with the creativity found in science, engineering, and technology.

[3] "One Wind", 7 ft x 12 ft x 8 ft, painted steel and Arizona flagstone, temporary installation for Festival of Cranes, Bosque del Apache Wildlife Reservation. This was a New Mexico Arts competition. (2005)

[4] "One Wind", detail. One Wind was purchased and relocated to a private residence in Corrales, NM. (2007)

[5] "One Wind 2", painted steel, 7 ft. in height and located in front of artist's art studio and residence.

[6] "Passage", painted steel on Pine block plinth, located in artist's Zen garden and residence.

[7] Security Gate Sculpture Concept Drawing.

[8] Security Gate Sculpture Concept sheet of Sandhill Crane silhouettes to illustrate the accuracy when we enlarge and cut out the individual stainless steel Cranes.

[9] Computer Graphic, showing the stainless steel square tubing framework that supports the perforated stainless steel sheet or screen and stainless steel cut out Sandhill Cranes.

[10] Touch Bar lock specifications sheet.

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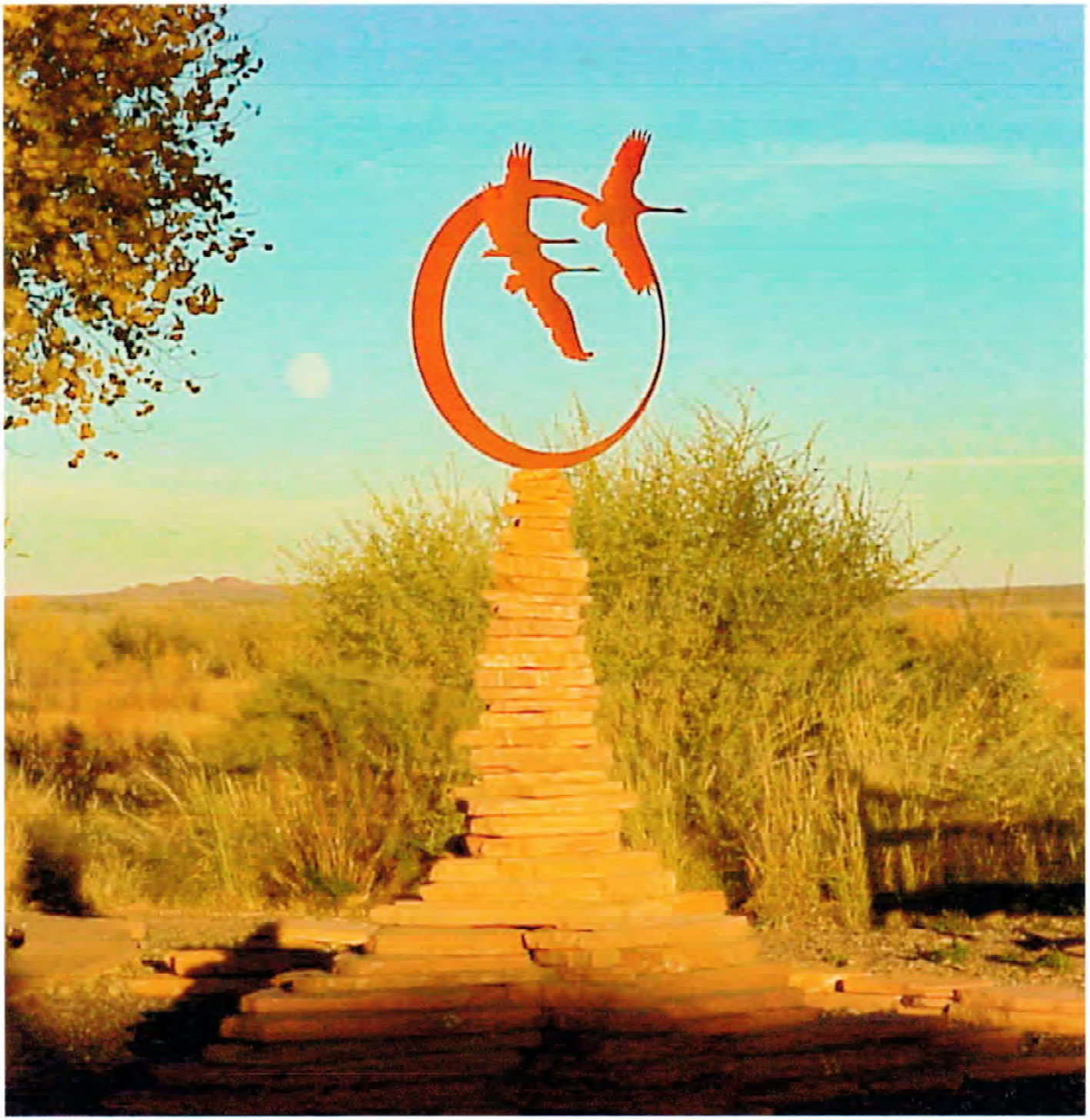

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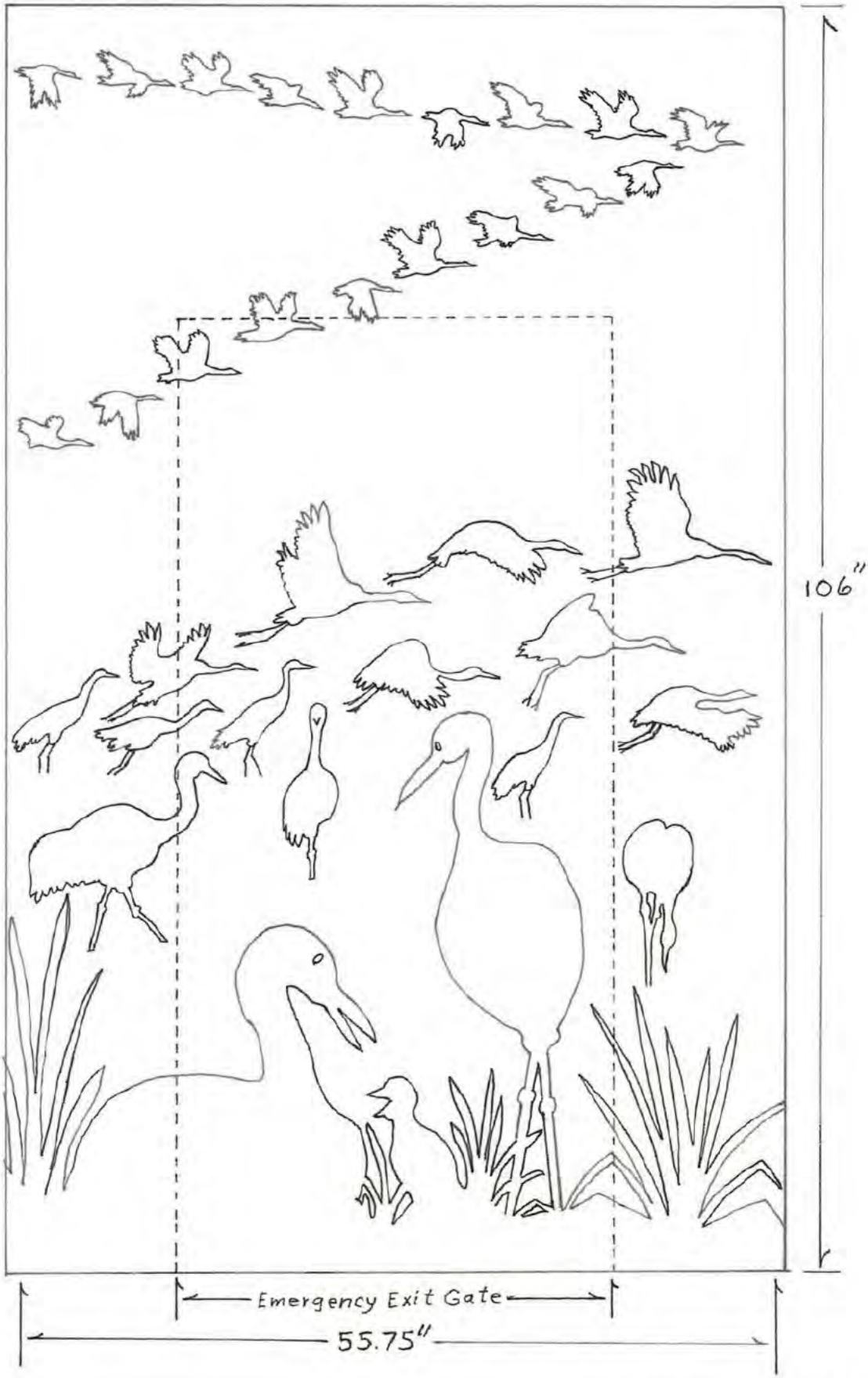
Los Alamos Senior Activity Center Security Gate



Jan 2025 Czor

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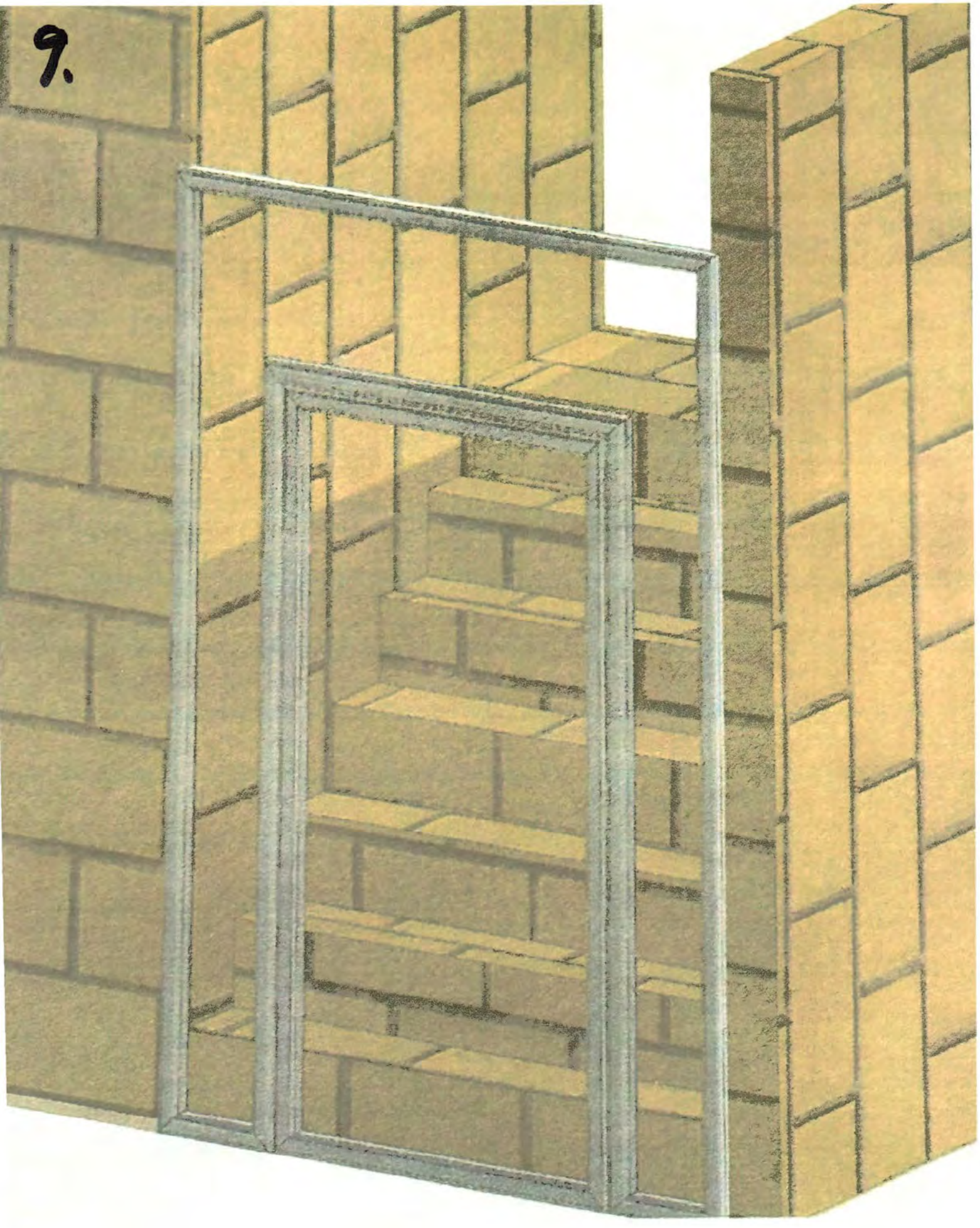
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McMASTER-CARR.

Corrosion-Resistant Touch Bar

for 26" to 48" Wide Door, Trans Atlantic Ed-501

$224.14 Each
13755A61

For Door Type	Double, Single
For Door Thickness	1 3/4"
For Door Width	26"-48"
Manufacturer	Trans Atlantic
Manufacturer Series	ED-501
Latch Bolt Projection	3/4"
Overall Width	42"
Bar Projection	2 1/2"
Housing Material	304 Stainless Steel
Bar Material	304 Stainless Steel
Finish	Dull
For Door Swing Direction	Left, Right
Features	Built-In Retainer
Includes	Installation Instructions, Strike Plate
Mounting Style	Surface
Mounting Hardware Included	Yes
Door Handle Type	Nonlocking
Door Handle Style	Touch Bar
Specifications Met	ADA Compliant ANSI/BHMA A156.3 Grade 1 UL Listed
RoHS	Not Compliant
REACH	Not Compliant
DFARS	Specialty Metals COTS-Exempt
Country of Origin	Taiwan
Schedule B	830241.8035
ECCN	EAR99

Made of 304 stainless steel, these touch bars stand up to corrosive environments. Often used on emergency exits, they open doors with a push. You can use them alone or mount an optional handle on the outside of the door. All can be cut to fit a range of door widths.

Use the built-in retainer to hold touch bars in the unlatched position to allow traffic to pass freely through doorways. Latch bolt projection is the length the latch bolt extends from the door's edge.

Use alarm kits to monitor the use of your doors. When someone presses the touch bar, these alarms alert you with a signal. They're easy to install, and run on one 9-volt battery (not included).

Add lock cylinders for locks that are mounted to the door's surface. They're also known as rim lock cylinders.