

# HISTORIC AND DESIGN REVIEW COMMISSION

January 19, 2022

**HDRC CASE NO:** 2022-018  
**ADDRESS:** 215 DAWSON ST  
**LEGAL DESCRIPTION:** NCB 557 BLK 40 LOT W 27.96 FT OF S 97.4 FT OF 11  
**ZONING:** D  
**CITY COUNCIL DIST.:** 2  
**APPLICANT:** Sarah Sauer  
**OWNER:** Sarah Sauer  
**TYPE OF WORK:** Construction of a 1-story commercial structure, fencing, site modifications  
**APPLICATION RECEIVED:** January 02, 2022  
**60-DAY REVIEW:** Not applicable due to City Council Emergency Orders  
**CASE MANAGER:** Edward Hall  
**REQUEST:**

The applicant is requesting a Certificate of Appropriateness for approval to construct a commercial structure on the vacant lot at 215 Dawson, located within the Downtown Design District. The proposed new construction will feature 1-story in height and a footprint of approximately 1,000 square feet.

## APPLICABLE CITATIONS:

### City of San Antonio Downtown Design Guide:

#### Required Design Standards

##### Chapter 2: Sidewalks and Setbacks

A.1. Provide a minimum 72 inch wide continuous pedestrian path of travel as seen in Figure 2.1.

A.4. Provide continuous landscaped and hardscaped area, commonly referred to as “parkway,” adjacent to the curb on predominantly non-commercial streets.

A.7. Trees shall be planted in tree wells within tree grates that are at least 5 feet long and a minimum of 5’ feet wide.

##### Chapter 3: Ground Floor Treatment

A.1. Locate active uses along the street façade to enhance the building’s relationship to the public realm. Uses include: lobbies, dining rooms, seating areas, offices, retail stores, community or institutional uses, and residences.

A.5. Clear glass for wall openings, i.e., doors and windows, shall be used along all street-level commercial façades for maximum transparency, especially in conjunction with retail and hotel uses as illustrated in Figure 3.3. Dark tinted, reflective or opaque glazing is not permitted for any required wall opening along commercial street level facades.

A.6. A building’s primary entrance, defined as the entrance which provides the most direct access to a building’s main lobby and is kept unlocked during business hours, shall be located on a public street or on a courtyard, plaza or paseo that is connected to and visible from a public street or the River Walk.

A.7. At least one building entrance/exit, which may be either a building or tenant and resident entrance, shall be provided along each street frontage.

B.1. Awnings and canopies shall be fabricated of woven fabric, glass, metal or other permanent material compatible with the building’s architecture.

##### Chapter 4: Parking and Access

A.1. Locate off-street parking behind or below buildings as seen in Figure 4.2 and 4.3.

A.9. Vehicular access shall be from an alley, sidewalk or mid-block on a street as illustrated in Figure 4.5.

A.10. Curb cuts and parking and loading entries into buildings shall be limited to the minimum number required and the minimum width permitted.

A.11. Where a vehicular exit from a parking structure is located within five (5) feet of the back of sidewalk, a visual and audible alarm and enhanced paving shall be installed to warn pedestrians and cyclists of exiting vehicles.

B.1. Parking structures shall have an external skin designed to improve visual character when exposed to prominent public view. This can include heavy-gage metal screen, pre-cast concrete panels; live green wall (landscaped) laminated glass or photovoltaic panels. Figure 4.6 illustrates an unacceptable external skin.

##### Chapter 6: On-site Open Space

Ch.6.other. Outdoor Amenities: Provide landscaping and seating in each open space type as follows: paseo, courtyards, plazas, roof terraces.

Ch.6.other. Outdoor Amenities: Ensure anti-skateboard and antigraffiti design features, pedestrian scaled signage that identifies uses and shops, site furniture, art work, or amenities such as fountains, seating, and kiosks.

Ch.6.other. Outdoor Amenities: Utilize buildings, colonnades and landscaping to define edges and create a sense of three-dimensional containment to urban open spaces and plazas.

#### Chapter 7: Architectural Detail

A.1. Provide well-marked entrances to cue access and use. Enhance all public entrances to a building through the use of compatible architectural or graphic treatment. Main building entrances shall read differently from retail storefronts, restaurants, and commercial entrances.

C.1. San Antonio has strong sun conditions. Use deep reveals to get shadow lines.

C.12. Prohibited Exterior Materials

1. Imitation stone (fiberglass or plastic);
2. Plywood or decorative exterior plywood;
3. Lumpy stucco, CMU;
4. Rough sawn or natural (unfinished)wood, EIFS;
5. Used brick with no fired face (salvaged from interior walls);
6. Imitation wood siding;
7. Plastic panels.

D.1. Reinforce a building's entry with one or more of the following architectural treatments:

- extra-height lobby space;
- distinctive doorways;
- decorative lighting;
- distinctive entry canopy;
- projected or deep recessed entry bay;
- building name and address integrated into the facade;
- artwork integrated into the facade or sidewalk;
- a change in paving material, texture, or color within the property line;
- distinctive landscaping, including plants, water features and seating.

E.1. Windows are to be as transparent as possible at the ground floor of the building, with preference given to grey, low-e glass (88 percent light transmission).

E.9. Parking and security lights shall not provide spillover to neighboring residential properties.

H.1. Exterior roll-down doors and security grills are not permitted in downtown

I.1. Ventilation intakes and exhausts shall be located to minimize adverse pedestrian impacts along the sidewalk.

I.4. No fixture shall be directed at the window of a residential unit either within or adjacent to a project.

#### Chapter 8: Streetscape Improvements

B.1. Sidewalks shall be paved with a slip resistant surface such as medium broom finish concrete.

B.2. Asphalt is not permitted for public sidewalks in downtown.

C.1. Crosswalks are to be provided at all types of street intersection configurations, including Xs, Ts and Ls.

E.8. Obtain a permit prior to pruning and adhere to International Society of Arboriculture (ISA) Tree Pruning Guidelines and American National Standards Institute (ANSI) A300 standards. These guidelines prohibit "topping" and "heading."

F.1. The street light pole shall be Valmont Tapered 16 Flat Fluting or similar. The pole shall be steel and be between 25 to 32 feet high. Pole base diameter shall be eight (8) inches. The mast arm shall be four (4) to six (6) foot "Windsor" or similar.

G. Site furniture must be well designed to encourage their use, be able to withstand the elements, and situated in appropriate locations and shaded, clustered in groupings near site features like fountains and in plazas, etc.

G.1. Site furniture on walkways and sidewalks shall maintain a clear passage for pedestrians and shall be placed to eliminate potential pedestrian and vehicular conflicts.

G.3. Design the lower portion of the buildings to support human scaled streetscapes, open spaces and quality pedestrian environments. This can be achieved with fine-grain architectural design and detailing, quality materials, and through the use of human-scaled elements such as landscaping, site furnishings, awnings, and canopies.

G.4. The following street furnishings are prohibited within the publicly owned portion of the right of way adjacent to streets or the River Walk:

- a. Vending machines
- b. Automatic teller machines
- c. Pay phones
- d. Photo booths



- e. Automated machines such as, but not limited to, blood pressure machines, fortunetelling machines, video games, animated characters and other machines that are internally illuminated, or have moving parts, or make noise, or have flashing lights.
- f. Inanimate figures such as horses, kangaroos, bears, gorillas, mannequins or any such animals, cartoon or human figure. This does not apply to public art approved by the Public Art Board.

## Chapter 11: Sustainable Design

D.1. All projects must comply with the City's green building ordinance, Build San Antonio Green (BSAG).

## **Encouraged Design Guidelines**

### Chapter 2: Sidewalks and Setbacks

- A.1. Provide a minimum 72 inch wide continuous pedestrian path of travel as seen in Figure 2.1.
- A.2. Provide an 18 inch to 24 inch wide access or utility zone next to the curb, which includes the six (6) inch curb and 12 inch wide decorative granite or brick edge band adjacent to the back of curb.
- A.3. Outdoor dining may occur on any portion of the paved sidewalk provided a minimum wide (72 inches) continuous clear path of public travel is maintained and obtain proper permits
- A.4. The continuous landscaped and hardscaped parkways should be designed to collect and retain or treat storm runoff.
- A.5. In an ideal urban tree canopy, adjacent trees at street maturity generally touch one another. Therefore, typical tree spacing is generally 30 to 50 feet apart, depending upon the tree species.
- A.6. Plant or replant street trees to shade and shelter the pedestrian from sun, rain and traffic, and to improve the quality of the air and storm water runoff.
- A.8. Where tree wells and parkways would conflict with existing basements, underground vaults, historic paving materials, or other existing features that cannot be easily relocated the tree well and parkway design should be modified by the design to eliminate such conflicts. Parking meters and sign posts or signage are examples of existing features that can be easily relocated.
- A.10. Install streetscape improvements as specified in Chapter 8--Streetscape Improvements.
- A.11. All sidewalk improvements should be installed and maintained by the adjacent underlying property owners. For example, parkways and tree wells should be planted, irrigated and maintained by the adjacent property owners as described in Chapter 8.
- A.12. New development should be landscaped or paved to match the adjacent public frontage.
- B.2. Variations in the setback are encouraged to respond to building type and function in order to create visual interest.

### Chapter 3: Ground Floor Treatment

- A.11. Residential units with separate entries should include windows or glass doors on the ground floor that look out onto the street.
- A.12. If a residential unit's individual entry along the street is the unit's primary entry, it should be accessible from the sidewalk.
- A.13. More public entrances than the minimum specified by code, including building and or tenant and resident entrances are highly encouraged.
- B.2. Street wall massing, articulation and detail, street level building entrances and storefront windows and doors, as well as the use of quality materials and decorative details should be used to promote pedestrian-scaled architecture along the street.
- B.5. Electrical transformers, mechanical equipment and other equipment should not be located along the ground floor street wall.

### Chapter 4: Parking and Access

- A.3. Except for the minimum ground-level frontage required to access parking and loading areas, no parking or loading should be visible on the ground floor of any building façade that faces a street as seen in Figure 4.1.
- A.5. On-street parking lanes may be converted to travel lanes during rush hour.
- A.6. Provide on-street parking for visitors and customers.
- A.8. Provide secure bicycle parking space for residential, commercial and institutional building occupants.
- C.5. Where there is no alley and the project includes frontage on a street, parking access should be located mid-block or as far from a street intersection as possible.

### Chapter 5: Massing and Street Wall

- A.1. Divide large building facades into a series of appropriately scaled modules so that no building segment is more than 100 feet in length. Provide a passageway at least every 20 feet wide between buildings. Consider dividing a larger building into "modules" that are similar in scale.
- A.2. Monolithic slab-like structures that wall off views and overshadow the surrounding neighborhood are discouraged.
- A.3. A new building should incorporate design elements that provide a base, middle and a top.

- A.4. A new building should, to the extent possible, maintain the alignment of horizontal elements along the block.
- A.5. Floor-to-floor heights should appear to be similar to those seen in the area, particularly the window fenestration.
- B.1. Street walls should be located against the back of sidewalk.
- B.2. Walls above the ground floor that step back from the ground floor street wall are considered to be part of the street wall.
- B.3. Breaks in the street wall should be limited to those necessary to accommodate pedestrian pass-throughs, public plazas, entry forecourts, permitted vehicular access driveways, and hotel drop-offs.
- B.5. Vertical breaks should also be taken into account with fenestration, such as columns or bays.

#### Chapter 6: On-site Open Space

Ch.6.3. At least 25 percent of the required trees should be canopy trees that shade open spaces, sidewalks and buildings.

Ch.6.other. Outdoor Amenities: Buffer seating areas from traffic; for example, position a planter between a bench and curb whenever possible.

Ch.6.other. Outdoor Amenities: Furniture and fixtures should be selected with regard to maintenance considerations. Ample seating in both shaded and sunny locations should be provided in the plaza areas. Street furniture should be located in close proximity to areas of high pedestrian activity and clustered in groupings. Barriers may be considered to separate pedestrian and dining activities through planters, rails and chain with bollards. However they should be moveable.

Ch.6.other. Landscape Elements to Provide Shade and Function:

- On roof terraces, incorporate trees and other plantings in permanent and temporary planters that will provide shade, reduce reflective glare, and add interest to the space. In addition, provide permanent and moveable seating that is placed with consideration to sun and shade, and other factors contributing to human comfort.
- Landscape elements should support an easy transition between indoor and outdoor through spaces, well-sited and comfortable steps, shading devices and/or planters that mark building entrances, etc., as seen in Figure 6.5.
- Landscape elements should establish scale and reinforce continuity between indoor and outdoor space. Mature canopy trees should be provided within open spaces, especially along streets and required setbacks.

#### Chapter 7: Architectural Detail

A.2. Avoid continuous massing longer than 150 feet not articulated with shadow relief, projections and recesses. If massing extends beyond this length, it needs to be visibly articulated as several smaller masses using different materials, vertical breaks, such as expressed bay widths, or other architectural elements.

A.3. Horizontal variation should be of an appropriate scale and reflect changes in the building uses or structure.

A.4. Vary details and materials horizontally to provide scale and three-dimensional qualities to the building.

A.5. While blank street wall façades are discouraged, there is usually one side of the building that is less prominent (often times called “back of house”).

B.1 Employ a different architectural treatment on the ground floor façade than on the upper floors, and feature high quality materials that add scale, texture and variety at the pedestrian level.

B.2. Vertically articulate the street wall façade, establishing different treatment for the building’s base, middle and top) and use balconies, fenestration, or other elements to create an interesting pattern of projections and recesses.

B.4. In order to respect existing historic datums, the cornice or roof line of historic structures should be reflected with a demarcation on new infill structures whenever possible.

B.5. On façades exposed to the sun, employ shade and shadow created by reveals, surface changes, overhangs and sunshades to provide sustainable benefits and visual interest.

C.2. Feature long-lived and local materials such as split limestone, brick and stone. The material palette should provide variety, reinforce massing and changes in the horizontal or vertical plane.

C.3. Use especially durable materials on ground floor façades.

C.4. Generally, stucco is not desirable on the ground floor as it is not particularly durable.

C.5. Detail buildings with rigor and clarity to reinforce the architect’s design intentions and to help set a standard of quality to guide the built results.

C.6. To provide visual variety and depth, layer the building skin and provide a variety of textures that bear a direct relationship to the building’s massing and structural elements. The skin should reinforce the integrity of the design concept and the building’s structural elements as seen in Figure 7.5 and 7.6 and not appear as surface pastiche.

C.7. Layering can also be achieved through extension of two adjacent building planes that are extended from the primary façade to provide a modern sculptural composition.

C.8. Cut outs (often used to create sky gardens) should be an appropriate scale and provide a comfortable, usable outdoor space.

- C.10. Design the color palette for a building to reinforce building identity and complement changes in the horizontal or vertical plane.
- C.11. Value-added materials, such as stone should be placed at the base of the building, especially at the first floor level. Select materials suitable for a pedestrian urban environment. Impervious materials such as stone, metal or glass should be used on the building exterior. Materials will be made graffiti resistant or be easily repainted.
- D.2. The primary entrance of all buildings will be off the public sidewalk as seen in Figure 7.7 and not from a parking area.
- D.3. Strong colors should emphasize architectural details and entrances.
- D.4. Deep recessed entries into the building are encouraged.
- E.2. Window placement, size, material and style should help define a building's architectural style and integrity.
- E.3. In buildings other than curtain wall buildings, windows should be recessed (set back) from the exterior building wall, except where inappropriate to the building's architectural style. Generally, the required recess may not be accomplished by the use of plant-ons around the window.
- E.4. Windows and doors should be well-detailed where they meet the exterior wall to provide adequate weather protection and to create a shadow line.
- E.5. Windows on upper floors should be proportioned and placed in relation to grouping of storefront or other windows and elements in the base floor.
- F.1. Ground-floor window and door glazing should be transparent and non-reflective.
- F.2. Above the ground floor, both curtain wall and window and door glazing should have the minimum reflectivity needed to achieve energy efficiency standards. Non-reflective coating or tints are preferred.
- F.3. A limited amount of translucent glazing at the ground floor may be used to provide privacy.
- G.1. Light fixtures less than 16 feet in height are considered pedestrian scale.
- G.2. All exterior lighting (building and landscape) should be integrated with the building design, create a sense of safety, encourage pedestrian activity after dark, and support Downtown's vital nightlife.
- G.3. Each project should develop a system or family of lighting layers that contribute to the night-time experience, including facade uplighting, sign and display window illumination, landscape, and streetscape lighting.
- G.4. Architectural lighting should relate to the pedestrian and accentuate major architectural features.
- G.5. Landscape lighting should be of a character and scale that relates to the pedestrian and highlights special landscape features.
- G.6. Exterior lighting should be shielded to reduce glare and eliminate light being cast into the night sky.
- G.7. In parking lots, a higher foot candle level should be provided at vehicle driveways, entry throats, pedestrian paths, plaza areas, and other activity areas.
- G.8. Pedestrian-scale light fixtures should be of durable and vandal resistant materials and construction.
- G.10. Integrate security lighting into the architectural and landscape lighting system. Security lighting should not be distinguishable from the project's overall lighting system.
- I.1. Typically locating vents more than 20 feet vertically and horizontally from a sidewalk and directing the air flow away from the public realm will accomplish this objective.
- I.2. Mechanical equipment should be either screened from public view or the equipment itself should be integrated with the architectural design of the building.
- I.3. Penthouses should be integrated with the building's architecture, and not appear as foreign structures unrelated to the building they serve.
- I.4. Lighting (exterior building and landscape) should be directed away from adjacent properties and roadways, and shielded as necessary.
- I.5. Reflective materials or other sources of glare (like polished metal surfaces) should be designed or screened to not impact views nor result in measurable heat gain upon surrounding windows either within or adjacent to a project.

#### Chapter 8: Streetscape Improvements

- A.2. The shared use of the public right of way is not only for moving vehicles, but equally as 1) the front door to businesses which provide an economic and fiscal foundation of the City and 2) outdoor open space for residents and workers.
- A.3. All streets on which residential or commercial development is located are "pedestrian-oriented streets" and should be designed and improved accordingly.
- C.2. Mid-block crosswalks should be provided on all blocks 550 feet or longer, subject to approval by San Antonio Public Works and/or Texas Department of Transportation (TxDOT), if State ROW.
- C.4. Crosswalks should be clearly marked with high contrast "zebra" striping, unless some alternative design is provided as part of an integrated urban design for a specific street.

D.1. Decorative paving used in plaza and courtyard areas should complement the paving pattern and color of the pavers used in the public right-of-way.

D.3. Paving surfaces must be chosen for easy rollability.

E.2. Tree spacing and placement must be coordinated with street light placement as seen in Figure 8.4. Street lights should generally be located midway between adjacent trees, and are commonly spaced every two (2) or three (3) trees, hence 60 to 100 feet on center.

E.3. Street trees should be planted adjacent to a project when they cannot be accommodated on-site.

E.4. In the ideal urban tree canopy, adjacent trees at maturity generally touch one another. Therefore, the typical tree spacing is generally 40 feet, plus or minus 10 feet depending upon the tree species.

E.6. On streets where parking spaces are marked – either parallel or angled – trees should be located where they will not impede the opening of car doors or pedestrian access to the sidewalk. Where parking is parallel to the curb, trees are best positioned near the front or back of a space, so that they align with a fender rather than a door. Locating them on the line between two spaces tends to block access to the sidewalk and should be avoided.

E.7. Irrigate trees and landscaped parkways with an automatic irrigation system or Low Impact Development (LID) deep well. Deep root irrigation is preferred. Surface mounted spray heads or bubblers may also be used provided they adequately irrigate trees (minimum of 20 gallons per week dispersed over the root zone) and do not directly spray the tree trunks.

E.10. Where tree wells are installed, tree wells may be: 1) covered with a three (3) inch thick layer of stabilized decomposed granite, installed per manufacturer's specifications, and level with the adjacent walkway; or 2) covered by an ADA compliant tree grate.

F.4. All street light or pedestrian light should have a Color Rendering Index of 80 or higher.

F.6. Lighting fixtures should be designed to complement the architecture of the project and improve visual identification of residences and businesses.

F.7. Pedestrian street lights may be set back from the curb on wide sidewalks installed on private property as follows:

- Where sidewalks are wide, the pedestrian lights may be set back between the clear path of travel and the commercial activity zone adjacent to the building.
- Where the building is set back from the sidewalk, the pedestrian street lights may be installed directly adjacent to the front property line.
- All light sources should provide a warm white light. Care should be given to not overly illuminate the sidewalk thereby ruining the pedestrian ambiance.
- All lighting systems should be cut-off, so as not to "spillover" light into adjacent buildings.

G.5. Bicycle racks (e.g., "loop rack" and "ribbon bar") should be selected that are durable and consistent with other streetscape furnishings.

G.6. Street furnishings should be made of metal, stone, cast stone, hand sculpted concrete, or solid surfacing material, such as Corian or Surell. Recycled plastic will be considered on a case by case basis.

G.7. Benches, in particular, should be placed with careful consideration of their relationship to surrounding buildings and businesses. Benches placed perpendicular to the street are often best, as the sitter is neither staring at one storefront nor at passing traffic or sides of parked cars.

Ch. 8.H.1. Utility service to each building should be provided underground. If undergrounding utilities is not possible, install metal power poles at a consistent spacing that are located in bulb-outs to maintain an unobstructed sidewalk.

Ch. 8.H.3. Light poles should be separate from power poles.

#### Chapter 11: Sustainable Design

A.3. Orient projects to provide convenient access to the nearest transit options (bus, streetcar, trolley, bicycle), wherever possible.

C.1. Incorporate on-site landscape elements that reduce energy use and enhance livability.

## **FINDINGS:**

- a. The applicant is requesting a Certificate of Appropriateness for approval to construct a commercial structure on the vacant lot at 215 Dawson, located within the Downtown Design District. The proposed new construction will feature 1-story in height and a footprint of approximately 1,000 square feet.
- b. **SIDEWALK & SETBACK WIDTH** – The applicant has proposed a setback of approximately fifty (50) feet from the existing pavement on Dawson Street. Currently, there are no sidewalks on this block of Dawson Street.

The Downtown Design Guide notes that a forty-eight (48) inch wide continuous pedestrian path of travel must be provided. Staff finds that that applicant is responsible for meeting all sidewalk requirements.

- c. LANDSCAPE & HARDSCAPE – The applicant has noted the installation of gravel throughout the lot. Generally, staff finds that additional landscaping elements should be incorporated into the design, such as native vegetation.
- d. PARKING & ACCESS – The Downtown Design Guide notes that parking should be located behind new construction. The applicant has proposed for parking to be located in front of the proposed new construction, between the new construction and the right of way. Staff finds the proposed parking location to be inconsistent with the Downtown Design Guide. Staff finds that the proposed parking should either be relocated to the rear of the structure, or that the proposed parking should be buffered by landscaping from view from the public right of way.
- e. BUILDING DESIGN (Scale & Massing) – The applicant has proposed for the new construction to feature a footprint of approximately 1,000 square feet and one story in height. Staff finds the proposed scale and massing of the new construction to be appropriate and consistent with the Downtown Design Guide.
- f. BUILDING DESIGN (Materials) – The applicant has proposed materials to include long span metal siding, black vinyl windows, steel doors, and skylights. Generally, staff finds the proposed materials to be appropriate and consistent with the Downtown Design Guide. All windows should be installed to feature at least a two (2) inch recess within wall openings.
- g. ROOF FORM – The applicant has proposed for the new construction to feature a shed roof. Staff finds the proposed roof form to be appropriate and consistent with the Downtown Design Guide.
- h. ARCHITECTURAL DETAILS – The applicant has proposed for the new construction to feature architectural details that are simple, in nature, but that are complementary of the commercial and industrial architectural forms in the immediate vicinity.
- i. FENCING – The applicant has proposed to install fencing on site to feature an overall height of six (6) feet, at all locations. The proposed fencing will feature an automatic entry gate at the property line. The Downtown Design Guide does not discourage fencing as proposed. Staff finds that all zoning requirements regarding fencing should be met.
- j. MECHANICAL EQUIPMENT – All mechanical and service equipment should be screened from view from the public right of way. The applicant is responsible for complying with the Downtown Design Guide regarding the screening of mechanical and service equipment.

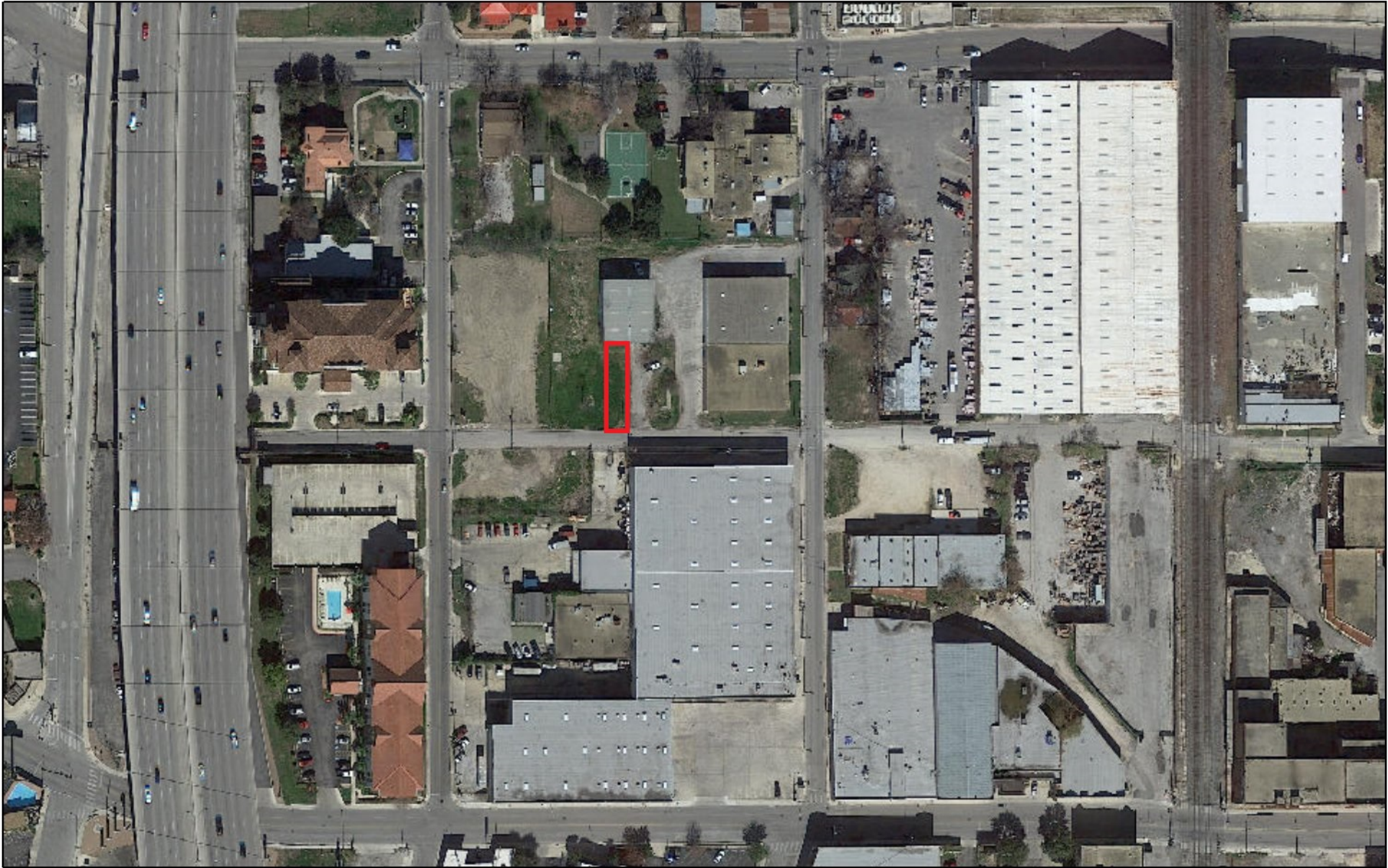
## **RECOMMENDATION:**

Staff recommends approval based on findings a through j with the following stipulations:

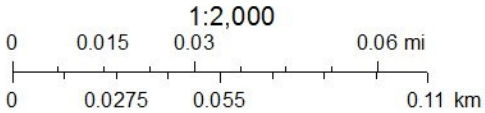
- i. That the proposed parking either be relocated to the rear of the structure, or that parking be screened and buffered from the public right of way with landscaping elements. A detailed landscaping plan should be submitted to OHP staff for review and approval to satisfy this stipulation.
- ii. That the applicant meet all sidewalk requirements.
- iii. That all mechanical and service equipment be screened from view from the public right of way, as noted in finding j.



City of San Antonio One Stop



January 13, 2022





## SITE PHOTOS



1. NORTH FACING VIEW



2. EAST FACING VIEW



3. SOUTH FACING VIEW



4. WEST FACING VIEW





G-001: COVER SHEET

A-101: SITE PLAN

S-101: FOUNDATION PLAN

M-001: MECHANICAL NOTES

M-101: MECHANICAL PLAN

M-601: MECHANICAL SCHEDULES

E-001: ELECTRICAL NOTES

## E-101: LIGHTING PLAN

E-102: POWER PLAN

E-601: ELECTRICAL CALCULATIONS &amp; DETAILS

## E-602: ELECTRICAL DIAGRAMS

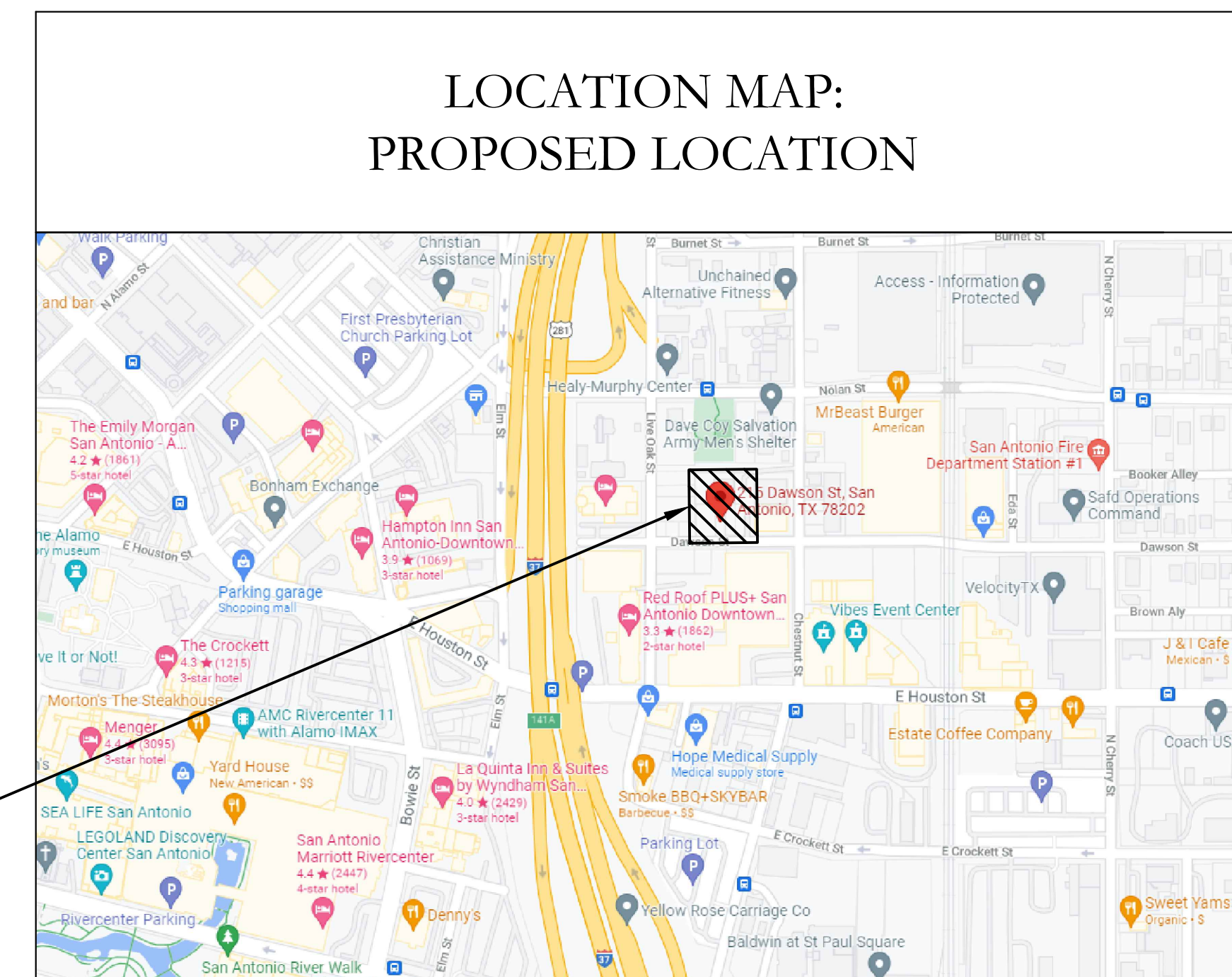
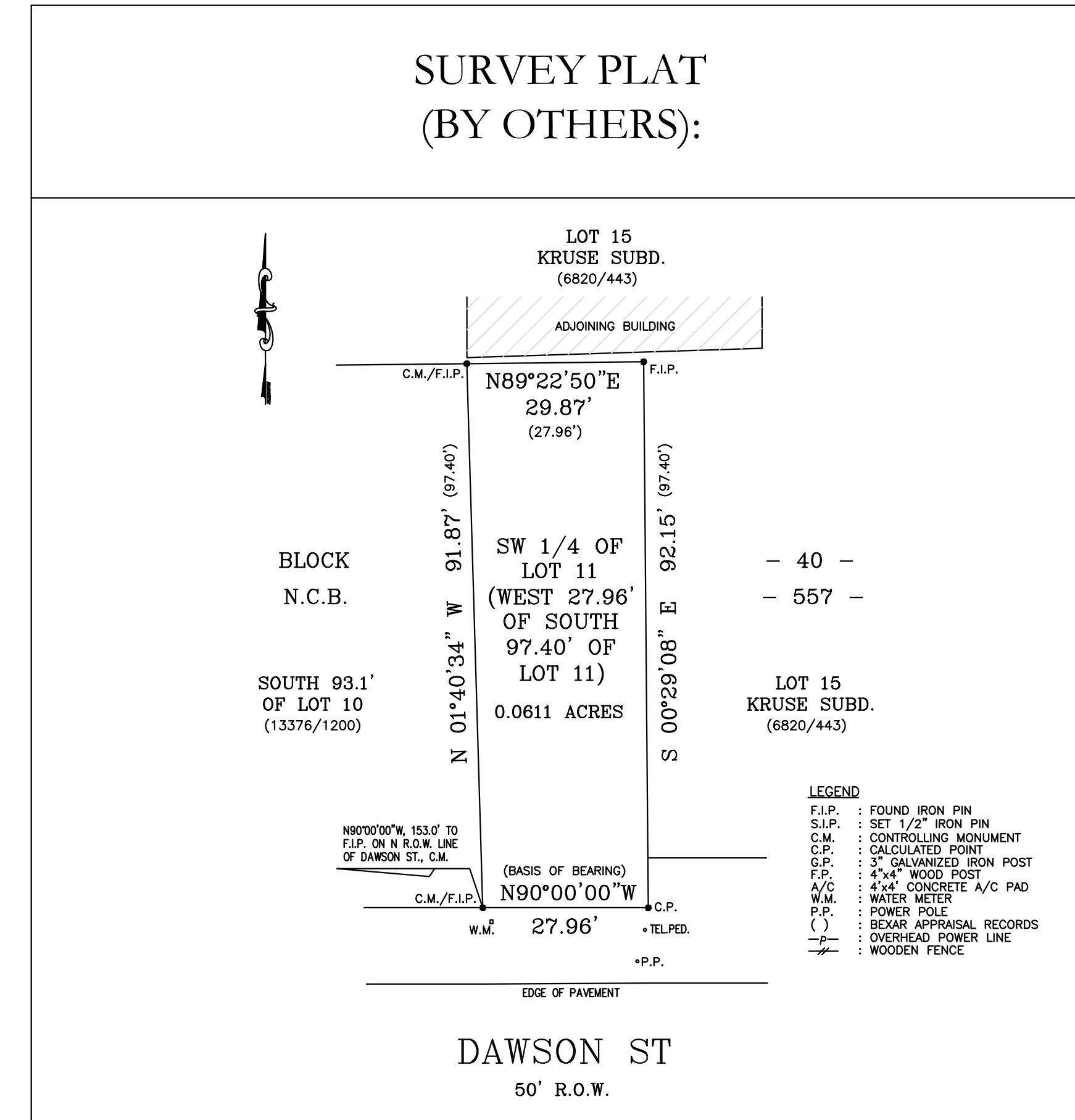
# P-001: PLUMBING NOTES

P-101: DW/HW PLAN

P-102: WASTE PLAN

## P-601: PLUMBING CALCULATIONS & SCHEDULES

BUILDING CODE INFORMATION	
BUILDING CODE:	2018 IBC (W/ LOCAL AMENDMENTS)
PLUMBING CODE:	2018 IPC (W/ LOCAL AMENDMENTS)
ELECTRICAL CODE:	2017 NEC (W/ LOCAL AMENDMENTS)
ENERGY CODE:	2018 IECC (W/ LOCAL AMENDMENTS)
MECHANICAL CODE:	2018 IMC (W/ LOCAL AMENDMENTS)
SCOPE OF WORK:	NEW CONSTRUCTION
OCCUPANCY / USE:	POTTERY STUDIO
AREA (LIVING ONLY):	980 SF
STORIES	1



IHP ENGINEERING  
#F-21256  
13151 EMILY ROAD  
SUITE #120  
DALLAS, TX 75240  
214-815-4833  
CONTACT: JOSE LUIS BURGOS  
ZEPEDA



DATE:	DESCRIPTION:

GUIEN CO.  
CERAMICS STUDIO  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

**SARAH  
SAUER**  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

TITLE:

COVER SHEET

IT No. 1002511

No. **G-001**



GENERAL NOTES:

REFER TO SITE SURVEY FOR ALL UTILITY CONNECTIONS AND RIGHT OF WAY (DEFERRED SUBMITTAL).

ALL PROPERTY LINES, EXISTING BUILDINGS AND PROPOSED BUILDINGS ARE SHOWN ON THIS SITE PLAN.

METAL FENCE AROUND PROPERTY BY OTHERS.

ALL FIRE PREVENTION PLANS, NOTES AND DETAILS BY OTHERS (DEFERRED SUBMITTAL).

AREA ZONED "D" (DOWNTOWN DISTRICT) AND IS THEREFORE EXEMPT FROM THE OFF-STREET PARKING FACILITIES PROVISION.

ALL PARKING SPACES ARE 9'-0" X 18'-0" (TYP.) U.N.O.

BEFORE DOING ANY DIGGING IN THE AREA AS A RESULT OF THIS PROJECT CONTACT THE GAS, POWER, TELEPHONE & TV CABLE UTILITIES, AND THE CITY OF SAN ANTONIO TO SPOT ANY WATER. AT CONTRACTOR'S EXPENSE, CONTRACTOR SHALL COMPLETELY REPAIR ANY UTILITY LINES DAMAGED AS A RESULT OF WORK ON THIS PROJECT.

ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH CURRENT TEXAS ACCESSIBILITY STANDARDS AND CITY OF SAN ANTONIO DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.

ALL EXISTING CURB CUTS IN RIGHT OF WAY WILL BE CLOSED OFF DURING CONSTRUCTION PROCESS AND REPLACED WITH NEW CURBS AND GUTTERS IF NECESSARY AS PER THE ENGINEERING DEPARTMENT AND ITS SPECIFICATIONS.

ALL NEW SIDEWALKS, CURBS, AND GUTTERS WILL BE DESIGN TO BE CONTINUOUS AND TO MAINTAIN THE CONTINUITY WITH THE EXISTING SIDEWALKS, CURBS, AND GUTTERS.

KEY NOTES:

- 1

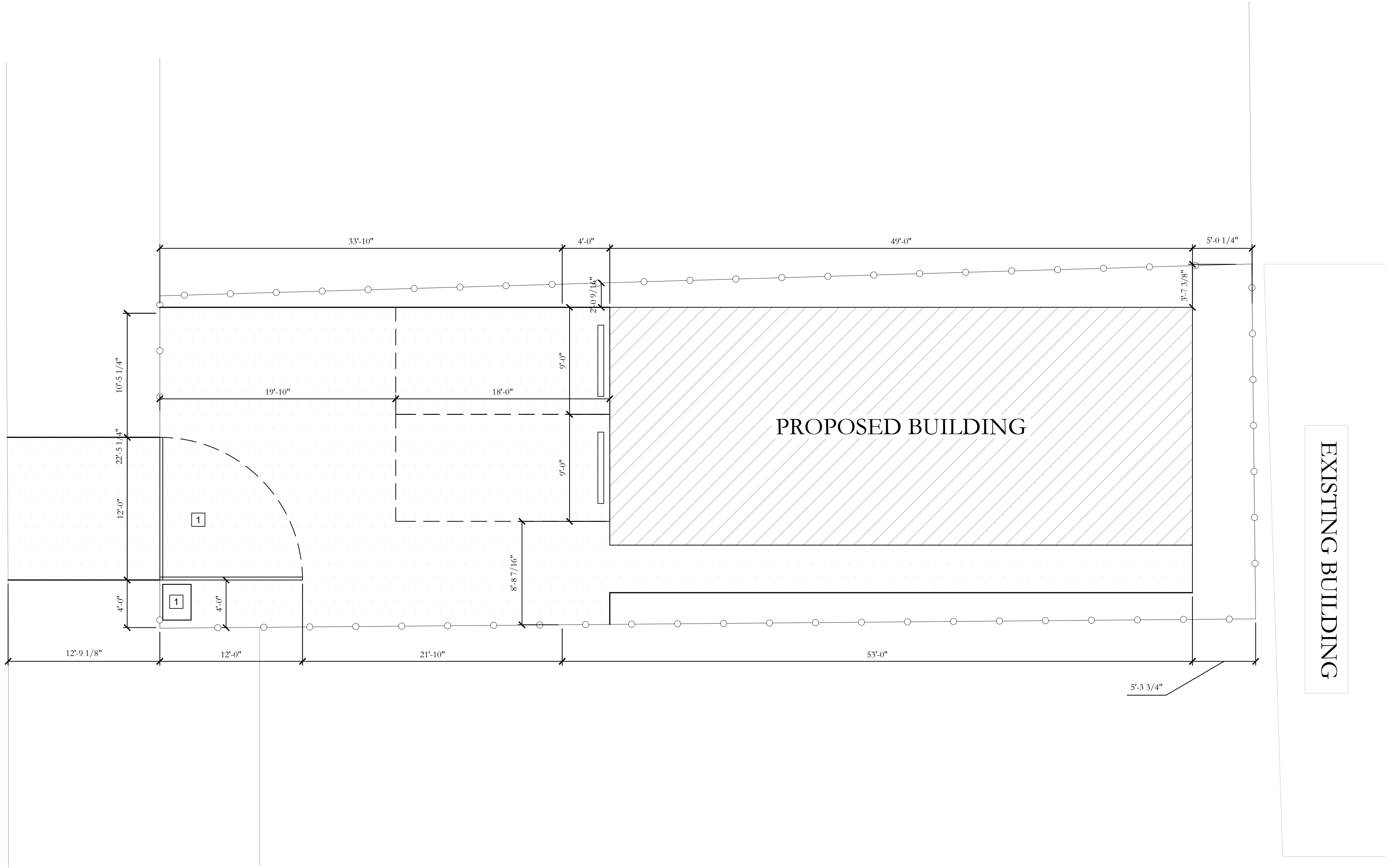
PROVIDE AND INSTALL ELECTRIC GATE OPENER. REFER TO ELECTRICAL AND OWNER PREFERENCE FOR MORE INFORMATION.
- 2

PROVIDE ELECTRIC 12'-0" GATE.

LEGEND:		
<div></div>	BUILDING (PROPOSED)	980 SQ. FT.
<div></div>	PARKING (GRAVEL)	1,358 SQ. FT.
TOTAL LOT SIZE:		2,658.6 SQ. FT.

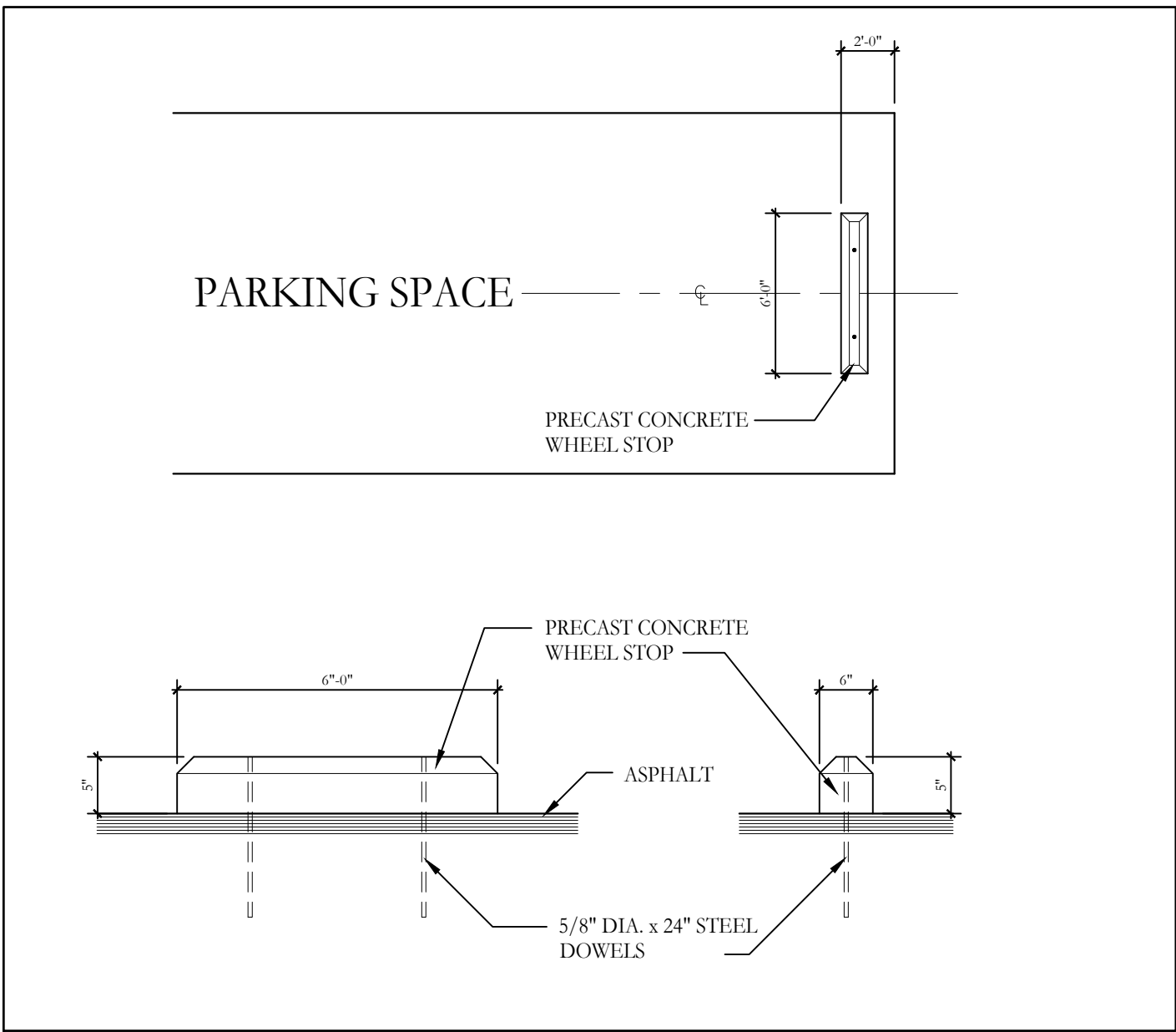
DAWSON ST.

EDGE OF PAVEMENT



1 SITE PLAN  
SCALE: 3/16" = 1'-0"

EXISTING BUILDING



A PRECAST TIRE STOP  
SCALE: 1" = 1'-0"

IHP  
ENGINEERING

IHP ENGINEERING  
#P-21256  
13151 EMILY ROAD  
SUITE: #120  
DALLAS, TX 75240  
214-815-4833  
CONTACT: JOSE LUIS BURGOS  
ZEPEDA



DRAFTING (ONLY) BY:  
FORTIS MEP DESIGN  
PRE-CONSTRUCTION  
DESIGN CONTRACTOR  
ALL DRAWINGS TO BE MANAGED  
CORRECTLY BY  
CONTRACTOR'S ENGINEER  
ON RECORD AS PER CITY LAWS.

SEAL:

MARK: DATE: DESCRIPTION:

GUTEN CO.  
CERAMICS STUDIO  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

OWNER / AGENT:

SARAH  
SAUER  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

SHEET TITLE:

SITE  
PLAN

PROJECT No.

1002511

SHEET No.

A-101

SEAL:

MARK	DATE	DESCRIPTION
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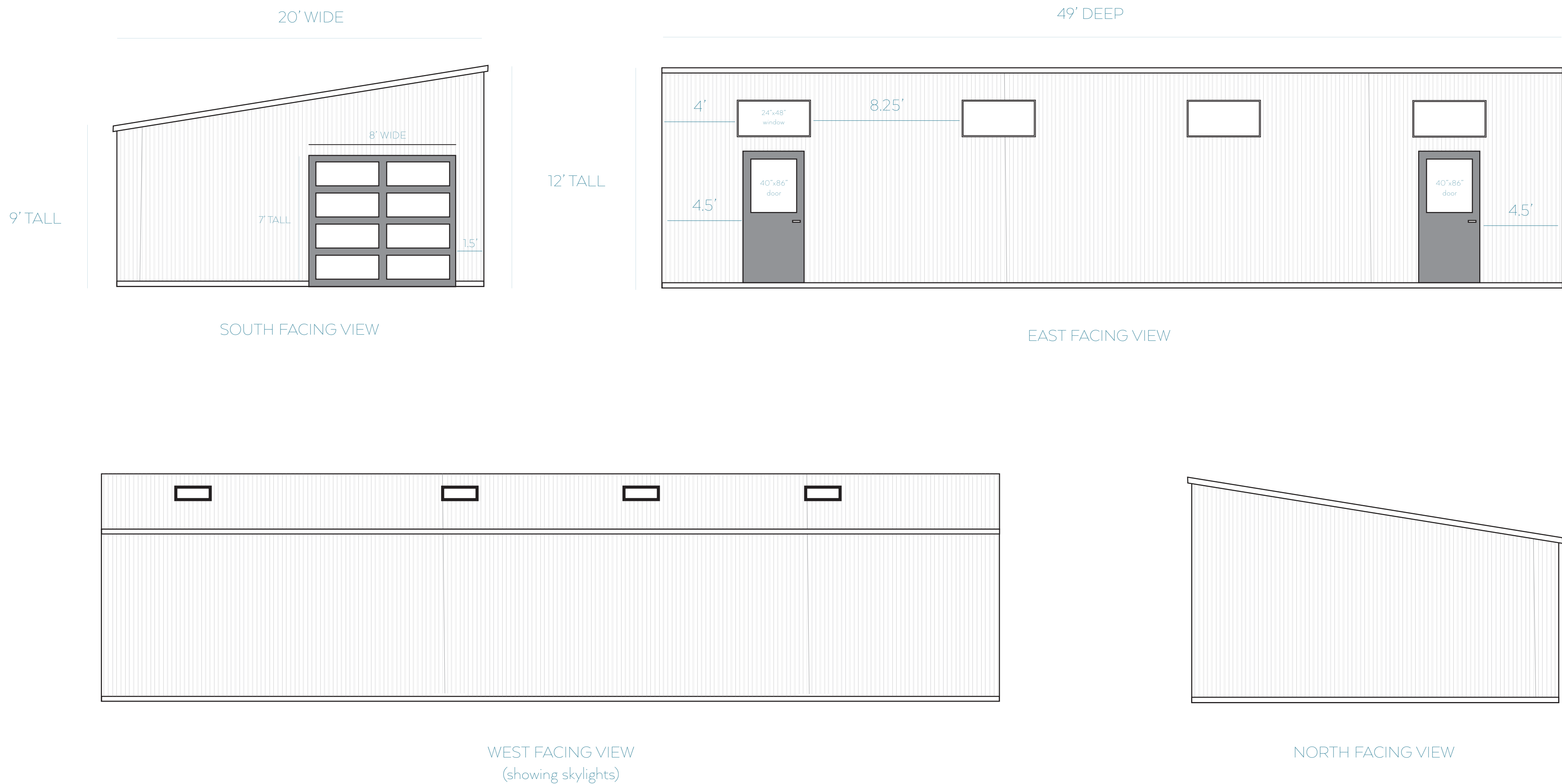
GUTEN CO.  
CERAMICS STUDIO  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

OWNER / AGENT:  
**SARAH SAUER**  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

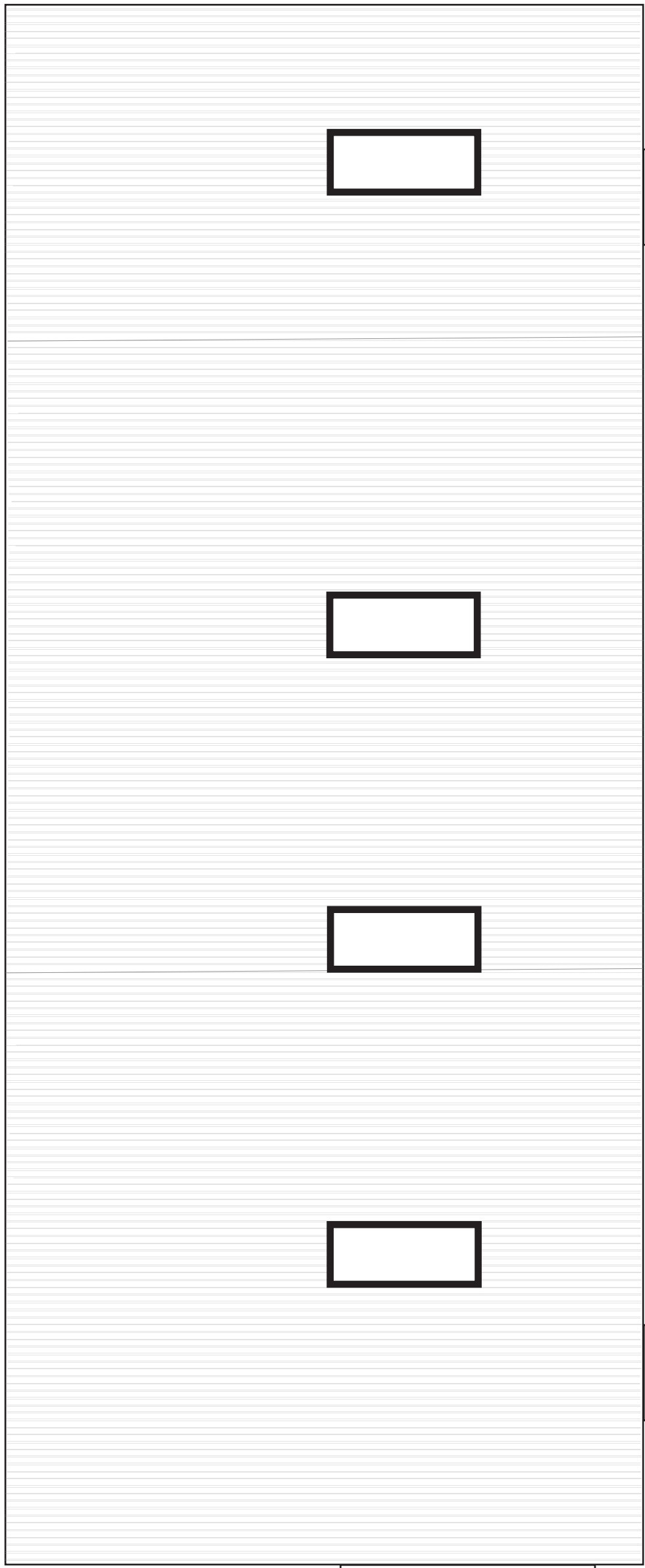
SHEET TITLE:

PROJECT No.  
**1002511**

SHEET No.



AERIAL VIEW OF SKYLIGHTS : 22.5-in x 46.5-in Fixed Curb Mount Laminated Skylight, Q : 4



49' DEEP

20' WIDE



SEAL:

MARK	DATE	DESCRIPTION
------	------	-------------

GUTEN CO.  
CERAMICS STUDIO  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

OWNER / AGENT:  
SARAH  
SAUER  
215 DAWSON ST.  
SAN ANTONIO, TX 78202

SHEET TITLE:

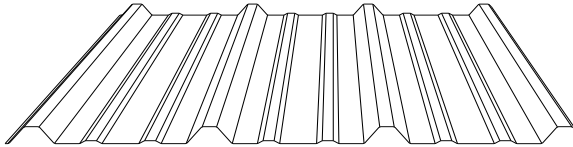
PROJECT No. 1002511

SHEET No.

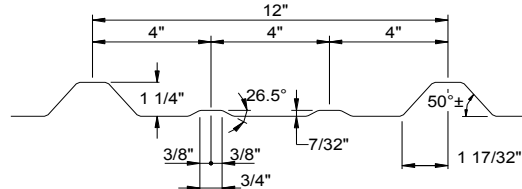
# BUILDING SIDING AND ROOF MATERIAL (in BLACK) :



# LONG SPAN III PANEL SPECIFICATIONS



PANEL PROFILE



PARTIAL CROSS SECTION

Engineering Properties of American Buildings Company Long Span III Panel (ASD)										
Designated Gage of Steel	Steel Yield KSI	Base Metal Thick. (In.)	Total Thick. (In.)	Panel Base Metal Weight (lbs. / ft. <sup>2</sup> )	Top In Compression			Bottom In Compression		
					Ix (In. <sup>4</sup> / ft.)	Sx (In. <sup>3</sup> / ft.)	Ma K-IN. / ft.	Ix (In. <sup>4</sup> / ft.)	Sx (In. <sup>3</sup> / ft.)	Ma K-IN. / ft.
29 Ga.	80	0.0137	0.0153	0.66	0.030	0.025	0.91	0.026	0.035	1.27
26 Ga.	80	0.0177	0.0193	0.86	0.043	0.037	1.34	0.035	0.046	1.66
24 Ga.	80	0.0225	0.0241	1.09	0.060	0.054	1.95	0.047	0.059	2.14
22 Ga.	50	0.0300	0.0316	1.45	0.083	0.085	2.56	0.070	0.081	2.44

Gage of Panel	No. of Spans	Load Type	Maximum Total Uniform Load in PSF											
			Span Lengths, Ft.											
			3.00	3.50	4.00	4.50	5.00	6.00	7.00	7.50				
29 Ga.	1	POS	67 B	49 B	38 B	30 B	24 B	17 B	12 B	11 B				
		NEG	-94 B	-69 B	-53 B	-42 B	-34 B	-23 B	-17 B	-15 B				
	2	POS	46 C	40 C	35 C	31 C	28 C	22 B+S	17 B+S	15 B+S				
		NEG	-49 P	-42 P	-36 B+S	-29 B+S	-23 B+S	-16 B+S	-12 B+S	-11 B+S				
	3	POS	53 C	45 C	39 C	35 C	32 C	26 B	19 B	17 B				
		NEG	-56 P	-48 P	-42 P	-35 B+S	-29 B+S	-20 B+S	-15 B+S	-13 B+S				
	4	POS	51 C	43 C	38 C	34 C	30 C	25 C	19 B+S	17 B+S				
		NEG	-54 P	-46 P	-40 P	-33 B+S	-27 B+S	-19 B+S	-14 B+S	-12 B+S				
26 Ga.	1	POS	99 B	73 B	56 B	44 B	36 B	25 B	18 B	16 B				
		NEG	-123 B	-91 B	-69 B	-55 B	-44 B	-31 B	-23 B	-20 B				
	2	POS	75 C	64 C	56 C	50 C	43 B+S	30 B+S	22 B+S	19 B+S				
		NEG	-64 P	-55 P	-48 P	-42 P	-35 B+S	-24 B+S	-18 B+S	-16 B+S				
	3	POS	85 C	73 C	64 C	57 C	51 C	37 B+S	28 B+S	24 B+S				
		NEG	-72 P	-62 P	-54 P	-48 P	-43 P	-30 B+S	-22 B+S	-20 B+S				
	4	POS	82 C	70 C	61 C	55 C	49 C	35 B+S	26 B+S	23 B+S				
		NEG	-70 P	-60 P	-52 P	-46 P	-41 B+S	-28 B+S	-21 B+S	-18 B+S				
24 Ga.	1	POS	145 B	106 B	81 B	64 B	52 B	36 B	27 B	23 B				
		NEG	-158 B	-116 B	-89 B	-70 B	-57 B	-40 B	-29 B	-25 B				
	2	POS	117 C	100 C	87 B+S	69 B+S	56 B+S	39 B+S	29 B+S	25 B+S				
		NEG	-81 P	-69 P	-61 P	-54 P	-49 P	-36 B+S	-26 B+S	-23 B+S				
	3	POS	133 C	114 C	100 C	86 B+S	70 B+S	49 B+S	36 B+S	31 B+S				
		NEG	-92 P	-79 P	-69 P	-61 P	-55 P	-45 B+S	-33 B+S	-29 B+S				
	4	POS	128 C	110 C	96 C	80 B+S	65 B+S	46 B+S	34 B+S	29 B+S				
		NEG	-89 P	-76 P	-66 P	-59 P	-53 P	-42 B+S	-31 B+S	-27 B+S				
22 Ga.	1	POS	189 B	139 B	107 B	84 B	68 B	47 B	35 B	30 B				
		NEG	-180 B	-133 B	-102 B	-80 B	-65 B	-45 B	-33 B	-29 B				
	2	POS	166 C	130 B+S	100 B+S	79 B+S	64 B+S	45 B+S	33 B+S	29 B+S				
		NEG	-114 P	-98 P	-86 P	-76 P	-67 B+S	-47 B+S	-35 B+S	-30 B+S				
	3	POS	188 C	161 C	124 B+S	99 B+S	80 B+S	56 B+S	41 B+S	36 B+S				
		NEG	-130 P	-111 P	-98 P	-87 P	-78 P	-59 B+S	-43 B+S	-38 B+S				
	4	POS	181 C	151 B+S	116 B+S	92 B+S	75 B+S	52 B+S	38 B+S	34 B+S				
		NEG	-125 P	-107 P	-94 P	-83 P	-75 P	-55 B+S	-40 B+S	-35 B+S				

- The panels are checked for bending (B), shear (S), combined bending and shear (B+S), deflection (D), web crippling (C), and panel pullover (P). The controlling check is noted in the table. Deflection is limited to span/60, and includes the permitted wind load reduction factor of 0.7 times the "components and cladding" loads as noted in footnote f of IBC Table 1604.3.
- Section Properties are calculated in accordance with the 2012 *North American Specification for the Design of Cold-Formed Steel Structural Members*.
- Minimum yield strength of 29, 26 and 24 gage steel is 80,000 psi. Minimum yield strength of 22 gage steel is 50,000 psi.
- Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness is used in determining section properties.
- Positive load (POS) is applied inward toward the panel supports, and is applied to the outer surface of the full panel cross-section. Negative load (NEG) is in the opposite direction.

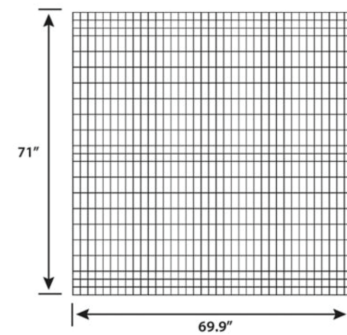


## DOORS & WINDOWS :

GARAGE DOOR : 8'W x 7'T, Door Link  
Full View Garage Door



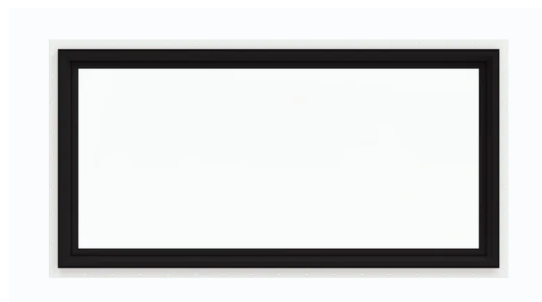
FENCING : 6'T, Black Panel Fence (2"x4" rectangle panel) with steel posts



WALK DOORS : 3070 Steel Walk Doors, Black



WINDOWS : JELD-WEN V-2500 48-in x 24-in black window



SKYLIGHTS : VELUX 22-1/2 in. x 46-1/2 in. Fixed Skylight





December 23, 2021

215 Dawson Street

Project Name: Guten Co. Rev 1Buildings: A->20'-0"x49'-0"x10'-4"(RCG,1.0:12)

San Antonio, TX 78202

Attn.: Sarah Sarah SauerProject Location: San Antonio, TX 78202NBG Project #: E21T0750A

This Letter of Design Certification ensures that the materials furnished by the metal building supplier are designed in accordance with the information specified to the metal building supplier on the order documents and summarized by the loading information listed below. The Project Engineer of Record (not the metal building supplier) is responsible for verifying that the building code and design loads meet any and all applicable local requirements.

The Professional Engineer whose seal appears on this Letter of Certification is employed by the metal building manufacturer. and does not serve as or represent the Engineer of Record for this project and shall not be construed as such.

**DESIGN LOAD CRITERIA:**

Structural Loads Applied in General Accordance with: IBC 2018  
Risk Category: II - Standard Buildings

**PROJECT-WIDE LOADING INFORMATION:**

Ground Snow Load:	5.0 psf	Snow Exposure Factor, $C_e$ :	1.00	Snow Imp. Factor, $I_s$ :	1.00
Roof Live Load:	20.0 psf	Reducible As Per Code.		Rain Intensity, $R$ :	10.0 in/hr
Ultimate Design Wind Velocity:	115 mph	Nominal Design Wind Velocity:	89 mph		
***Components & Cladding Pressures:	22 psf/ -29 psf				
Is Roof to meet UL 90 Requirements?:	No			Wind Exposure:	B
Seismic Criteria:	Ss: 0.051 S1: 0.023	• No ground snow included in seismic calculations.			
Design Sds / Sd1:	0.054/0.037	Analysis Procedure: Equiv. Lat. Force Procedure			
Seis. Imp. Factor, $I_e$ :	1.00	Basic SFRS: Not Detailed for Seismic			
Seis. Design Category:	A	Site Class:	D		

**BUILDING-SPECIFIC LOADING INFORMATION:**

Bldg	Roof Dead	Collateral Dead		Snow Coefficient		Snow Load (psf)		Wind		Seismic		
	(psf)*	Pri (psf)	Sec (psf)	Ct	Cs	Ps (psf)	**Pm (psf)	Enclosure	GCpi	R	Cs	V (kips)
A	2.5	5.0	5.0	1.0	1.00	3.50	5.00	Enclosed	± 0.18	3.00	0.010	0.1

\*Primary Structural Not Included

\*\* $P_m$  is based on the minimum roof snow load calculated per building code or the contract-specified roof snow load, whichever is greater. This value,  $P_m$ , is only applied in combination with Dead and Collateral Loads. Roof Snow in other loading conditions is determined per the specified Building Code.

\*\*\*Ultimate Design wind pressures to be used for wall exterior component and cladding materials not provided by Metal Building Supplier

Mezzanine Information:

Floor Dead Load: N/A

Floor Collateral Load: N/A

Floor Live Load: N/A

Crane Information:

No cranes on building.

Roof-Top Unit Information

No roof-top units on building.

The design of structural members supporting roof gravity loads is controlled by the more critical effect of roof live load or roof snow applied in accordance with the governing building code.



GENERAL NOTES:

1. MATERIALS	ASTM DESCRIPTION
STRUCTURAL STEEL PLATE	A529 / A572 / A1011
HOT ROLLED MILL SHAPES	A36 / A529 / A500
HHS ROUND	A500
HHS RECTANGULAR	A500
COLD FORM SHAPES	A653 / A1011
ROOF AND WALL SHEETING	A653 / A792
BOLTS	A307 / A325 / A490
CABLE	A475
RODS	A529 / A572

2. STRUCTURAL PRIMER NOTE:

SHOP COAT PRIMER IS INTENDED TO PROTECT THE STEEL FRAMING FOR A SHORT PERIOD OF TIME. STORAGE IN EXTREME COLD TEMPERATURES OR WINTER SNOW CONDITIONS, INCLUDING TRANSPORTATION ON SALTED OR CHEMICALLY TREATED ROADS WILL ADVERSELY AFFECT THE DURABILITY AND LONGEVITY OF THE PRIMER. THE COAT OF SHOP PRIMER DOES NOT PROVIDE THE UNIFORMITY OF APPEARANCE, OR THE DURABILITY AND CORROSION RESISTANCE OF A FIELD APPLIED FINISH COAT OF PAINT OVER A SHOP PRIMER. MINOR ABRASIONS TO THE SHOP COAT PRIMER CAUSED BY HANDLING, LOADING, SHIPPING, UNLOADING AND ERECTION ARE UNAVOIDABLE AND ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER. METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR THE DETERIORATION OF THE PRIMER OR CORROSION THAT MAY RESULT FROM ATMOSPHERIC AND ENVIRONMENTAL CONDITIONS NOR THE COMPATIBILITY OF THE PRIMER TO ANY FIELD APPLIED COATING.

3. BUILDING ERECTION NOTES:

THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND EITHER MBMA OR CSA S16 STANDARDS PERTAINING TO PROPER ERECTION. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS FOR ERECTION ARE TO BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. THESE SUPPORTS MUST SECURE THE STEEL FRAMING, OR PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED IN ADDITION TO LOADS RESULTING FROM THE ERECTION OPERATION. SECONDARY WALL AND ROOF FRAMING (PURLINS, GIRTS AND/OR JOIST) ARE NOT DESIGNED TO FUNCTION AS A WORKING PLATFORM OR TO PROVIDE AS AN ANCHORAGE POINT FOR A FALL ARREST /SAFETY TIE OFF.

4. SPECIAL INSPECTION:

SPECIAL INSPECTIONS AND TESTING THAT MAY BE REQUIRED BY GOVERNMENTAL OR OTHER AUTHORITY DURING CONSTRUCTION AND/OR STEEL FABRICATION (COLLECTIVELY, "INSPECTIONS") ARE NOT THE RESPONSIBILITY OF THE PEMB MANUFACTURER, AND TO THE EXTENT REQUIRED IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE. IN THE EVENT INSPECTIONS ARE REQUIRED, THE OWNER AND/OR THE OWNER'S REPRESENTATIVE SHALL EMPLOY A THIRD PARTY QUALITY ASSURANCE TESTING AGENCY APPROVED BY THE RELEVANT AUTHORITY. IF SUCH REQUIREMENTS ARE NOT SPECIFICALLY INCLUDED IN THE PEMB MANUFACTURER'S SALES DOCUMENTS, NO INSPECTIONS BY THE PEMB MANUFACTURER OR AT THE PEMB MANUFACTURER'S FACILITY SHALL BE MADE. THE PEMB MANUFACTURER'S FACILITIES ARE ACCREDITED BY IAS AC472.

5. A325 & A490 BOLT TIGHTENING REQUIREMENTS:

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. FOR PROJECTS IN THE UNITED STATES, SEE THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS OR FOR PROJECTS IN CANADA, SEE THE CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES FOR MORE INFORMATION.

THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E., "SNUG-TIGHT" OR "FULLY-PRETENSIONED"), UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT REQUIREMENTS:

- A) ALL A490 BOLTS SHALL BE "FULLY-PRETENSIONED".
- B) ALL A325 BOLTS IN PRIMARY FRAMING (RIGID FRAMES AND BRACING) MAY BE "SNUG-TIGHT", EXCEPT AS FOLLOWS: "FULLY-PRETENSION" A325 BOLTS IF:
- a) BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5 TONS.
  - b) BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS-REVERSALS ON THE CONNECTIONS. THE ENGINEER-OF-RECORD FOR THE PROJECT SHOULD BE CONSULTED TO EVALUATE FOR THIS CONDITION.
  - c) THE PROJECT SITE IS LOCATED IN A HIGH SEISMIC AREA. FOR IBC-BASED CODES, "HIGH SEISMIC AREA" IS DEFINED AS "SEISMIC DESIGN CATEGORY" OF 'D', 'E', OR 'F'. SEE THE "BUILDING LOADS" SECTION ON THIS PAGE FOR THE DEFINED SEISMIC DESIGN CATEGORY FOR THIS PROJECT.
  - d) ANY CONNECTION DESIGNATED IN THESE DRAWINGS AS "A325-SC". "SLIP-CRITICAL (SC)" CONNECTIONS MUST BE FREE OF PAINT, OIL, OR OTHER MATERIALS THAT REDUCE FRICTION AT CONTACT SURFACES. GALVANIZED OR LIGHTLY-RUSTED SURFACES ARE ACCEPTABLE.
- C) IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "FULLY-PRETENSIONED", EXCEPT FOR SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACES.

SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACE CONNECTIONS MAY ALWAYS BE "SNUG-TIGHT", UNLESS INDICATED OTHERWISE IN THESE DRAWINGS.

6.GENERAL DESIGN NOTES:

- ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISC 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" OR THE CAN/CSA S16 "LIMIT STATES DESIGN OF STEEL STRUCTURES", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
- ALL WELDING OF STRUCTURAL STEEL IS BASED ON EITHER AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" OR CAN/CSA W59 "WELDED STEEL CONSTRUCTION (METAL ARC WELDING)", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
- ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISI S100 OR CAN/CSA S136 "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
- ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL" OR CAN/CSA W59 "WELDED STEEL CONSTRUCTION (METAL ARC WELDING)", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
- ALL NUCOR BUILDING GROUP FACILITIES ARE IAS AC-472 ACCREDITED FOR DESIGN AND FABRICATION OF METAL BUILDING SYSTEMS. FOR PROJECTS IN CANADA, DESIGN AND FABRICATION ARE DONE ONLY IN FACILITIES THAT ARE ALSO CAN/CSA A660 AND W47.1 CERTIFIED.
- JOISTS ARE INCLUDED WITH THIS PROJECT. THEY ARE SUPPLIED AS A PART OF THE SYSTEMS ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARDS FOR STEEL ERECTION, DATED JANUARY 18, 2001.
- COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED THE ALLOWABLE BEARING STRESS OF CONCRETE THAT HAS A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.

BUILDING INFORMATION

PRIMER COLORS

PRIMARY PRIMER COLOR: **RED** SECONDARY PRIMER COLOR: **RED**

ROOF SHEETING

TYPE: **L3P** GAUGE: **26** FINISH: **MIDNIGHT BLACK-PVDF** CLIP TYPE: \_\_\_\_\_  
THERMAL BLOCKS: \_\_\_\_\_ EPS FOAM SPACER: \_\_\_\_\_ ROOF LINE TRIM, PAINTED: **MIDNIGHT BLACK-PVDF**  
YES ☒ NO ☐ DOWNSPOUTS PAINTED: **MIDNIGHT BLACK-PVDF** GUTTERS PAINTED: **MIDNIGHT BLACK-PVDF**  
YES ☒ NO ☐ INSULATION **6.38** INCH QUANTITY: \_\_\_\_\_  
YES ☐ NO ☒ PIPE JACKS, SIZE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_  
YES ☐ NO ☒ RIDGE VENTS, 10'-0" LONG X 9" THROAT. QUANTITY: \_\_\_\_\_  
YES ☐ NO ☒ ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES  
YES ☐ NO ☒ COMPOSITE **S3P** DECK, TYPE: **N/A** GAUGE: \_\_\_\_\_ FINISH: \_\_\_\_\_

WALL SHEETING

TYPE: **L3P** GAUGE: **26** FINISH: **MIDNIGHT BLACK-PVDF**  
CORNER TRIM, PAINTED: **MIDNIGHT BLACK-PVDF** BASE TRIM, PAINTED: **MIDNIGHT BLACK-PVDF**  
YES ☐ NO ☒ WALKDOORS, QUANTITY: \_\_\_\_\_ PAINTED: \_\_\_\_\_  
YES ☐ NO ☒ WINDOWS, QUANTITY: \_\_\_\_\_ PAINTED: \_\_\_\_\_  
YES ☒ NO ☐ INSULATION **6.38** INCH

WALL FRAMED OPENINGS

YES ☒ NO ☐ FRAMED OPENING TRIM, PAINTED: **MIDNIGHT BLACK-PVDF**  
SIZES: FSW: **none**  
BSW: **( 4 ) 4 W x 10.5", window sill at 8.5 ( 2 ) 3'-4" W x 7'-2" H**  
LEW: **none**  
REW: **( 1 ) 8'- 0" W x 7'-0" H**

BUILDING OPTIONS

YES ☐ NO ☒ LINER PANELS  
FRAMED OPENING TRIM, PAINTED: \_\_\_\_\_  
WALL: TYPE: \_\_\_\_\_ GAUGE: \_\_\_\_\_ FINISH: \_\_\_\_\_ WALL TRIM, PAINTED: \_\_\_\_\_  
CEILING: TYPE: \_\_\_\_\_ GAUGE: \_\_\_\_\_ FINISH: \_\_\_\_\_

YES ☐ NO ☒ TRANSLUCENT PANELS  
WALL: \_\_\_\_\_  
ROOF: \_\_\_\_\_  
INSULATED PANELS? YES ☐ NO ☐

YES ☐ NO ☒ EAVE EXTENSION  
PROJ: \_\_\_\_\_ TYPE: \_\_\_\_\_ GAUGE: \_\_\_\_\_ FINISH: \_\_\_\_\_ SOFFIT TRIM AT BUILDING LINE PAINTED: \_\_\_\_\_

YES ☐ NO ☒ RAKE EXTENSION  
PROJ: \_\_\_\_\_ TYPE: \_\_\_\_\_ GAUGE: \_\_\_\_\_ FINISH: \_\_\_\_\_ SOFFIT TRIM AT BUILDING LINE PAINTED: \_\_\_\_\_

YES ☐ NO ☒ CANOPY  
AT EAVE LINE ☐ BELOW EAVE ☐ PROJECTION: \_\_\_\_\_ CLEAR UNDER CANOPY BEAM: \_\_\_\_\_  
ROOF PANEL: TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_  
SOFFIT PANEL: TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_ SOFFIT TRIM AT BUILDING LINE PAINTED: \_\_\_\_\_

YES ☐ NO ☒ PARTITION WALLS  
WALL PANEL: TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_ TRIM PAINTED: \_\_\_\_\_

YES ☐ NO ☒ WAINSCOT  
WALL PANEL: TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_  
BASE TRIM PAINTED: \_\_\_\_\_ JAMB TRIM PAINTED: \_\_\_\_\_ TRANSITION TRIM PAINTED: \_\_\_\_\_

YES ☐ NO ☒ FASCIA  
PROJ: \_\_\_\_\_ TOP OF FASCIA HEIGHT: \_\_\_\_\_  
FACE PANEL, TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_ CAP TRIM PAINTED: \_\_\_\_\_  
BACK PANEL, TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_ BASE TRIM PAINTED: \_\_\_\_\_  
☐ CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: \_\_\_\_\_  
SOFFIT PANEL, TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_ SOFFIT TRIM AT BUILDING LINE PAINTED: \_\_\_\_\_  
☐ OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED) CLEAR UNDER SOFFIT TRIM: \_\_\_\_\_

YES ☐ NO ☒ PARAPET  
☐ STRUCTURAL PARAPET ☐ NON-STRUCTURAL PARAPET TOP OF PARAPET HEIGHT: \_\_\_\_\_  
BACK PANEL, TYPE: \_\_\_\_\_ GAUGE, FINISH: \_\_\_\_\_

YES ☐ NO ☒ CRANES (SEE CRANE PLAN FOR ADDITIONAL INFORMATION)

YES ☐ NO ☒ MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL INFORMATION)

THE DRAWINGS AND THE METAL BUILDING THEY REPRESENT ARE THE PRODUCT OF THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE REQUIREMENTS LISTED HEREIN FOR THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED OR ENGAGED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

7.GLOSSARY OF ABBREVIATIONS:

A.B. = ANCHOR BOLTS	MAX = MAXIMUM	REQ'D = REQUIRED
BS = BOTH SIDES	M.B. = MACHINE BOLTS	REV. = REVISION
B.U. = BUILT-UP	MBS = METAL BUILDING SUPPLIER	SIM = SIMILAR
DIA = DIAMETER	TBD = TO BE DETERMINED	SL = STEEL LINE
FLG = FLANGE	N/A = NOT APPLICABLE	N.S. = NEAR SIDE
F.S = FAR SIDE	NIC = NOT IN CONTRACT	MIN = MINIMUM
GA. = GAUGE	SLV = SHORT LEG VERTICAL	TYP = TYPICAL
H.S.B. = HIGH STRENGTH BOLTS	O.A.L. = OVERALL LENGTH	PL = PLATE
HT. = HEIGHT	O.C. = ON CENTER	
LLV = LONG LEG VERTICAL	U.N.O. = UNLESS NOTED OTHERWISE	
PEMB = PRE-ENGINEERED METAL BUILDING MANUFACTURER		
?? = PART MARK TO BE DETERMINED AND WILL BE UPDATED ON CONSTRUCTION DRAWINGS		



BUILDING LOADS

DESIGN CODE: **IBC 18**

ROOF LIVE LOAD: **20.00** PSF MBMA OCC. CLASS: **II**

LIVE LOAD REDUCIBLE **Yes**

GROUND SNOW LOAD: **5.0** PSF SNOW EXP. FACTOR, Ce: **1.0000**  
SNOW IMPORTANCE FACTOR, Is: **1.00**

5 YEAR RAINFALL INTENSITY (IN/HR): **10.00**

WIND: **115 / 89** MPH  
(Vult) / (Vasd)

C & C PRESSURES (PSF): **22 / -29**

EXPOSURE: **B**

UL 90 **NO**

**L3P** Roof-Const. No. **161** ; **L3P** Roof w/ Translucent Panel-Const. No. **167**  
**S3P** Roof-Const. No. **552** ; **S3P** Roof w/ Translucent Panel-Const. No. **590** ;  
Composite CFR Roof-Const. No. **552A** ; **N/A** Roof-Const. No. \_\_\_\_\_

SEISMIC INFORMATION Ss: **0.051** S1: **0.023**

Design Sds/Sd1: **0.054 / 0.037** Site Class: **D**

Seismic Imp. Factor: **1.00** Seismic Design Category: **A**

Analysis Procedure: Equivalent Lateral Force Method

Basic SFRS: **Not Detailed for Seismic**

NOTES:

1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL) OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.

2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

3) Pm IS BASED ON THE MINIMUM ROOF SNOW LOAD CALCULATED PER BUILDING CODE OR THE CONTRACT SPECIFIED SNOW LOAD, WHICHEVER IS GREATER. THIS VALUE, Pm, IS ONLY APPLIED IN COMBINATION WITH THE DEAD AND COLLATERAL LOADS. ROOF SNOW IN OTHER LOADING CONDITIONS IS DETERMINED PER THE SPECIFIED BUILDING CODE.

BUILDING	
ROOF DEAD (PSF):	<b>2.50</b>
PRI. COL. (PSF):	<b>5.00</b>
SEC. COL. (PSF):	<b>5.00</b>
SNOW Ct:	<b>1.00</b>
SNOW Cs:	<b>1.00</b>
ROOF SNOW Ps (PSF):	<b>3.50</b>
ROOF SNOW Pm (PSF):	<b>5.00</b>
WIND ENCLOSURE:	<b>Enclosed</b>
CCpi:	<b>0.18</b>
SEISMIC R:	<b>3.00</b>
SEISMIC Cs:	<b>0.01</b>
BASE SHEAR (KIPS):	<b>0.11</b>

DRAWING INDEX

COVERSHEET	<b>C1, C2</b>
ANCHOR BOLT DRAWINGS	<b>F1, F2</b>
COLUMN BASE REACTIONS	<b>R1</b>
STRUCTURAL/SHEETING DRAWINGS	<b>E1 - E8</b>
DETAILS	<b>D1 - D7</b>

DATE	PE	ENG	CRK	DWN	ISSUE	CONSTRUCTION ANCHOR BOLTS	PERMITS
12/28/21		MZ	MBS	AMN			
1/5/2022	STO	MZ	MBS	AMN			

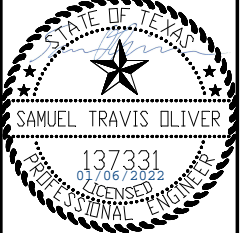


PROJECT NAME  
**GUTEN CO. REV 1**  
**215 DAWSON STREET, SAN ANTONIO, TX 78202**

CUSTOMER NAME  
**215 DAWSON STREET**  
**SAN ANTONIO, TX 78202**

JOB NUMBER  
**E21T0750A**

SHEET TITLE  
**C1 of 2**



This seal pertains only to the packages containing the drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.

FOR OCCUPANCY (RISK) CATEGORY I OR II, IBC PROVISIONS INDICATE THAT SINGLE-STORY BUILDINGS SHALL HAVE "NO DRIFT LIMIT" PROVIDED THAT INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALL SYSTEMS HAVE BEEN DESIGNED TO ACCOMMODATE THE SEISMIC STORY DRIFTS. INTERIOR WALLS, PARTITIONS, CEILINGS, OR EXTERIOR WALL SYSTEMS NOT PROVIDED BY THE METAL BUILDING MANUFACTURER SHALL BE DESIGNED AND DETAILED BY OTHERS TO ACCOMMODATE THE SEISMIC STORY DRIFTS. SEISMIC DRIFT VALUES MAY BE OBTAINED FROM THE METAL BUILDING MANUFACTURER.

BC2

THIS BUILDING SYSTEM DESIGN IS BASED ON UNIFORMLY APPLYING THE CONTRACT-SPECIFIED LIVE LOAD AND ROOF SNOW LOAD. IN ADDITION, THE DESIGN IS BASED ON APPLYING A CODE-DEFINED LIVE LOAD (INCLUDING APPLICABLE REDUCTIONS) AND A CODE-DEFINED SNOW LOAD (BASED ON CONTRACT-SPECIFIED GROUND SNOW) FOR ALL PARTIAL LOADING AND UNBALANCED SNOW LOAD CONDITIONS.

BC4

IF SNOW GUARDS OR OTHER DEVICES INTENDED TO HOLD SNOW AND/OR ICE ACCUMULATION ON THE ROOF SYSTEM ARE TO BE USED ON THIS PROJECT, THEY MUST BE INSTALLED UNDER THE GUIDANCE OF THE PROJECT "ENGINEER OF RECORD" (EOR), NOT THE METAL BUILDING MANUFACTURER, SO AS NOT TO EXCEED THE DESIGN ROOF SNOW LOAD ON THIS PROJECT.

RA3

FRAMED OPENINGS HAVE BEEN DESIGNED TO SUPPORT WIND LOAD NORMAL TO THE WALL BASED ON THE STANDARD BUILDING CODE CRITERIA. FRAMED OPENINGS HAVE NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCES FROM THE DOOR. ANY CHANGE TO THE INFORMATION SHOWN HERE WILL REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

MO2

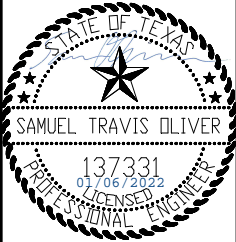
ERECTOR NOTE:  
ALTERNATE FASTENERS HAVE BEEN SUBSTITUTED ON THIS BUILDING. 1 1/2" ROOF FASTENERS HAVE BEEN SUPPLIED FOR ROOF PANEL TO PURLIN ATTACHMENT. WHERE DRAWINGS INDICATE AN H1030 STRUCTURAL FASTENER, H1035 FASTENERS HAVE BEEN SUPPLIED.

ERECTOR NOTE:  
ALTERNATE FASTENERS HAVE BEEN SUBSTITUTED ON THIS BUILDING. 2" WALL FASTENERS HAVE BEEN SUPPLIED FOR WALL PANEL TO GIRT ATTACHMENT. WHERE DRAWINGS INDICATE AN H1040 STRUCTURAL FASTENER, H1045 or H1047 FASTENERS HAVE BEEN SUPPLIED.

This seal pertains only to the sealings  
shown on drawings for buildings  
constructed by Metal Building  
Manufacture. The drawings and the metal  
buildings which they represent are the  
product of the Metal Building Manufacturer.  
The registered professional engineer whose  
seal appears on these drawings is  
employed by the Metal Building  
Manufacturer and does not serve as or  
represent the project engineer of record and  
shall not be construed as such.

SHEET

C2 of 2



PROJECT NAME  
GUTEN CO. REV 1  
215 DAWSON STREET, SAN ANTONIO, TX 78202

CUSTOMER NAME  
215 DAWSON STREET  
SAN ANTONIO, TX 78202

JOB NUMBER  
E21T0750A

SHEET TITLE

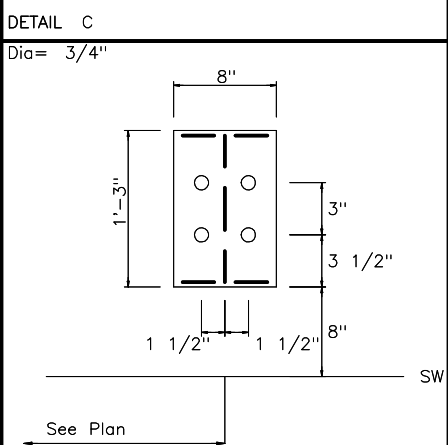
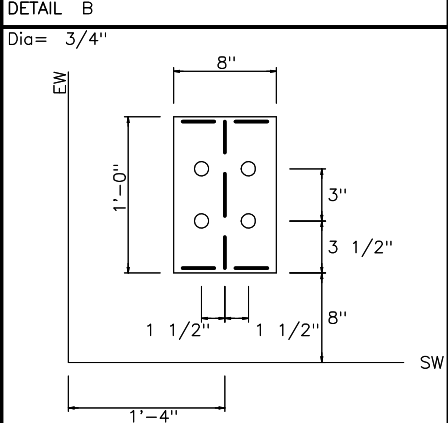
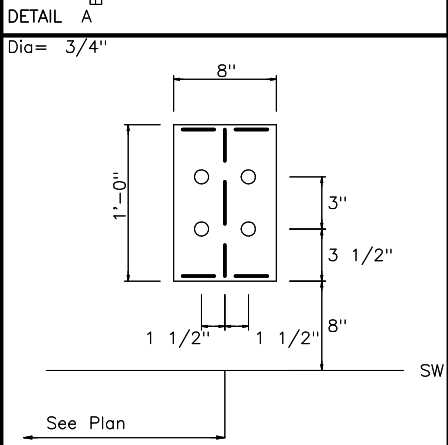
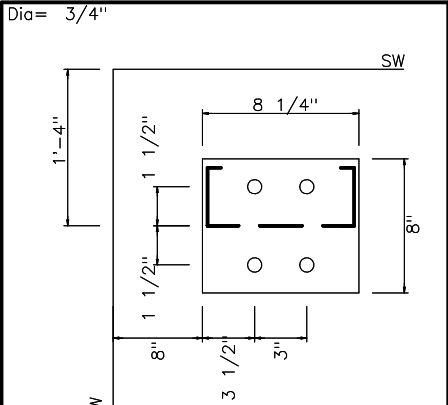


AMERICAN WESTERN STEEL  
LLC

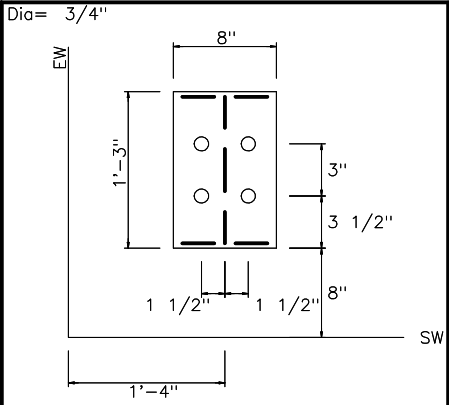
ISSUE	DWN	CHK	ENG	PE	DATE
CONSTRUCTION ANCHOR BOLTS	AMN	MBS	MZ		12/28/21
PERMITS	AMN	MBS	MZ	STO	1/5/2022



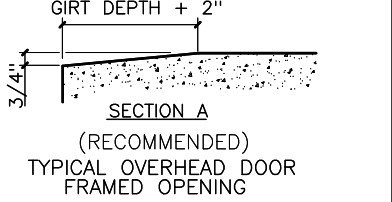
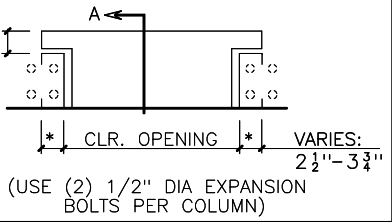
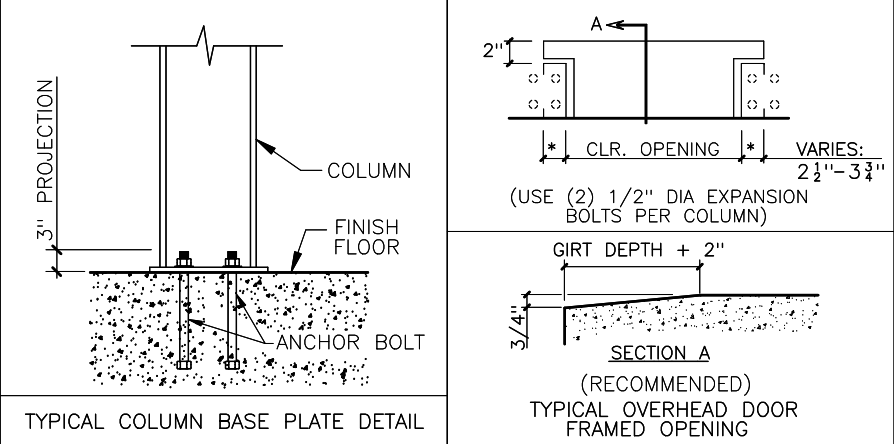




DETAIL D

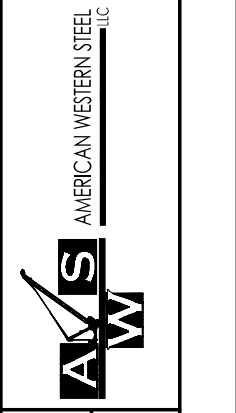


DETAIL E

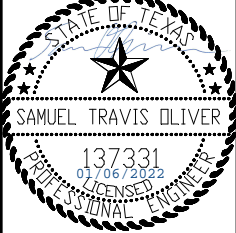


- FOUNDATION DESIGN NOTES:
1. THE ORIENTATION OF THE ANCHOR BOLT DETAILS SHOWN ON THIS PAGE MAY NOT COINCIDE WITH THE ACTUAL COLUMN ORIENTATION SHOWN ON THE ANCHOR BOLT DRAWING. PLEASE REFERENCE THE SIDEWALL (SW) AND ENDWALL (EW) STEEL LINES SHOWN ON THE ANCHOR BOLT DETAILS WITH THE ANCHOR BOLT PLAN DURING LAYOUT OF COLUMN AND ANCHOR BOLT LOCATIONS.
  2. COLUMN BASE PLATES MAY HAVE MORE HOLES THAN ARE REQUIRED DUE TO PRODUCTION LIMITATIONS. PLEASE FOLLOW ANCHOR BOLT DETAILS FOR QUANTITY OF ANCHOR BOLTS REQUIRED. EXTRA BASE PLATE HOLES DO NOT NEED INFILLED PER THE MBS DESIGN SPECIFICATIONS.

ISSUE	CONSTRUCTION	ANCHOR BOLTS	PERMITS	DWN	CHK	ENG	PE	DATE
								12/28/21
								1/5/2022



PROJECT NAME	CUSTOMER NAME	JOB NUMBER	SHEET TITLE
GUTEN CO. REV 1	215 DAWSON STREET, SAN ANTONIO, TX 78202	E21T0750A	
	215 DAWSON STREET		
	SAN ANTONIO, TX 78202		





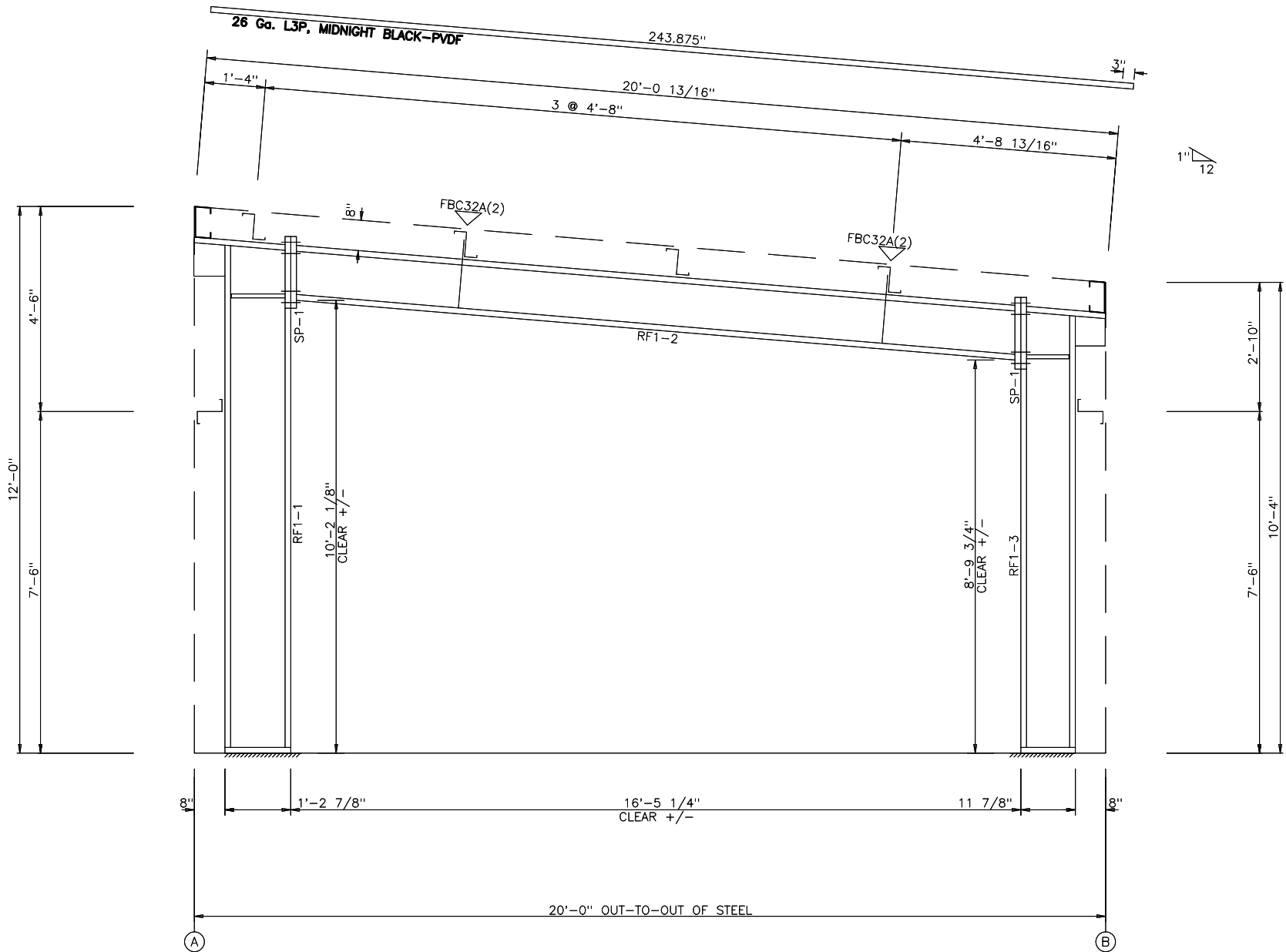




SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	0.625	2.25	6"	3/8"	1'-5 1/2"

▽ FLANGE BRACES: (1) One Side; (2) Two Sides  
A - L2525105

MEMBER TABLE							
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
RF1-1	14.4	14.4	0.135	11'-2 11/16"	5 x 1/4" x 11'-2 11/16"	5 x 1/4" x 9'-11"	
RF1-2	11.4	11.4	0.135	16'-5 7/8"	5 x 1/4" x 16'-4 15/16"	5 x 1/4" x 16'-4 15/16"	
RF1-3	11.4	11.4	0.135	9'-9"	5 x 1/4" x 1'-7 7/16"	5 x 1/4" x 8'-6 9/16"	



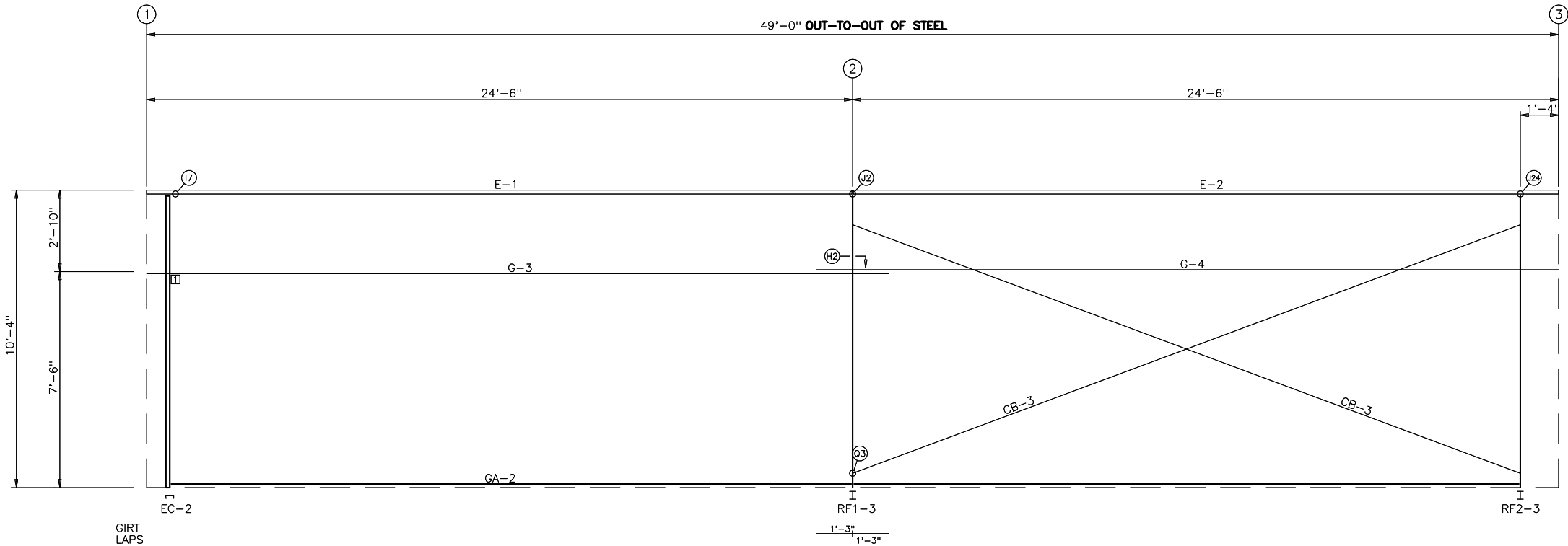
RIGID FRAME ELEVATION: FRAME LINE 2

GENERAL NOTES

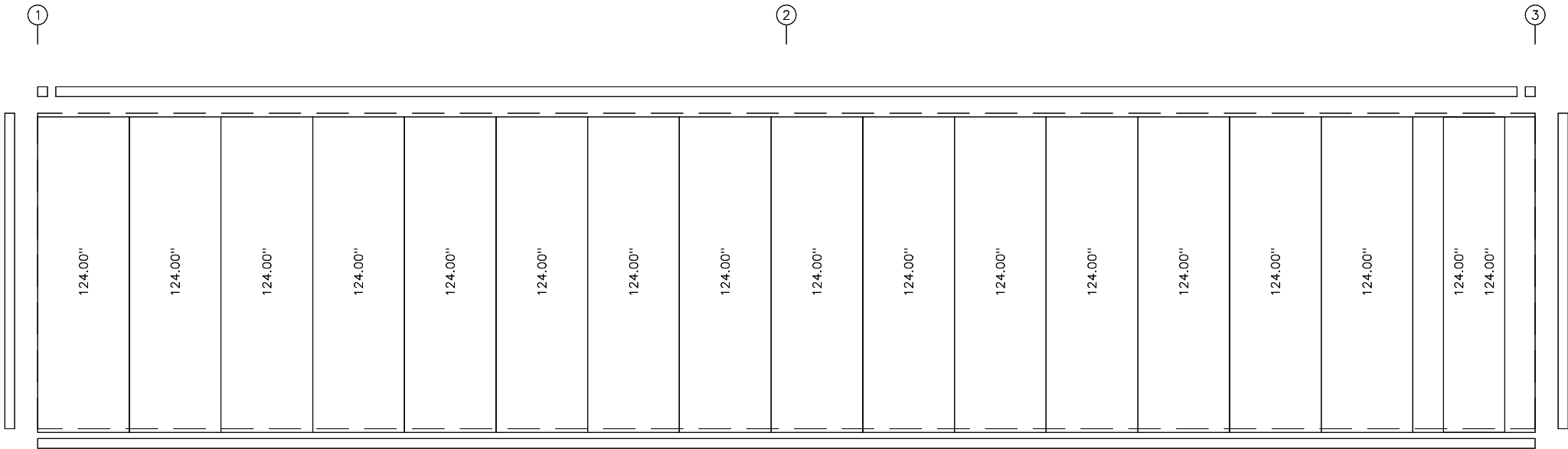
- ▽ INDICATES FLANGE BRACING LOCATIONS. (1) = ONE SIDE; (2) = TWO SIDES.
- IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE RIGID FRAME, THE OPPOSITE SIDE FLANGE BRACES WILL HAVE TO BE INSTALLED AT THE TIME OF FUTURE EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
- RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.
- INTERIOR COLUMN METAL TAG IS ORIENTED TOWARD THE LOW EAVE OF THE BUILDING.

PROJECT NAME GUTEN CO. REV 1 215 DAWSON STREET, SAN ANTONIO, TX 78202	CUSTOMER NAME 215 DAWSON STREET SAN ANTONIO, TX 78202	JOB NUMBER E21T0750A	SHEET TITLE	SHEET E3 of 8
<div>STATE OF TEXAS SAMUEL TRAVIS OLIVER 137331 01/06/2023 PROFESSIONAL ENGINEER</div>				
<div>THIS SEAL PERTAINS ONLY TO THE REGISTRATION OF THE ENGINEER IN THE STATE OF TEXAS. IT DOES NOT GUARANTEE THE ACCURACY OF THE DRAWINGS OR THE QUALITY OF THE WORK. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT.</div>				
<div>ISSUE CONSTRUCTION ANCHOR BOLTS PERMITS</div>				
DWN	AWN	AWN	AWN	AWN
CRK	MBS	MBS	MBS	MBS
ENG	MZ	MZ	MZ	MZ
PE	STO	STO	STO	STO
DATE	12/28/21	1/5/2022		





SIDEWALL FRAMING: FRAME LINE B



SIDEWALL SHEETING & TRIM: FRAME LINE B  
PANELS: 26 Ga. L3P - MIDNIGHT BLACK-PVDF

MEMBER TABLE		
FRAME LINE B		
MARK	PART	LENGTH
E-1	08E060	293.625
E-2	08E060	293.625
G-3	08Z060	308.750
G-4	08Z060	308.750
CB-3	RD05-	305.000

CONNECTION PLATES	
FRAME LINE B	
<input type="checkbox"/> ID	MARK/PART
1	GCC03

## SIDEWALL FRAMING PLAN

### GENERAL NOTES

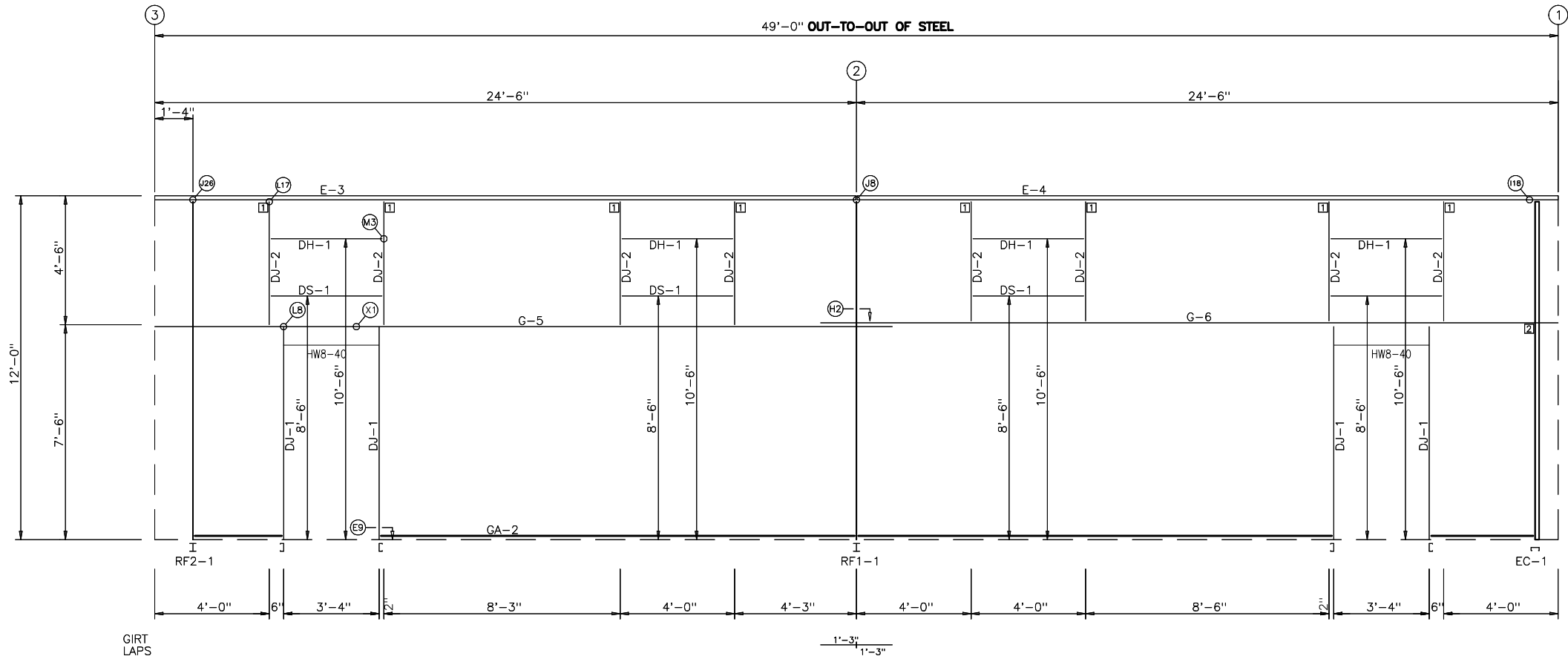
1. STD. ROD/CABLE SIZES PER PART PREFIX ARE:

ROD	CABLE
RD05- = 5/8" ROD	CA02- = 1/4" CABLE
RD06- = 3/4" ROD	CA03- = 3/8" CABLE
RD07- = 7/8" ROD	CA04- = 1/2" CABLE
RD08- = 1" ROD	
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	

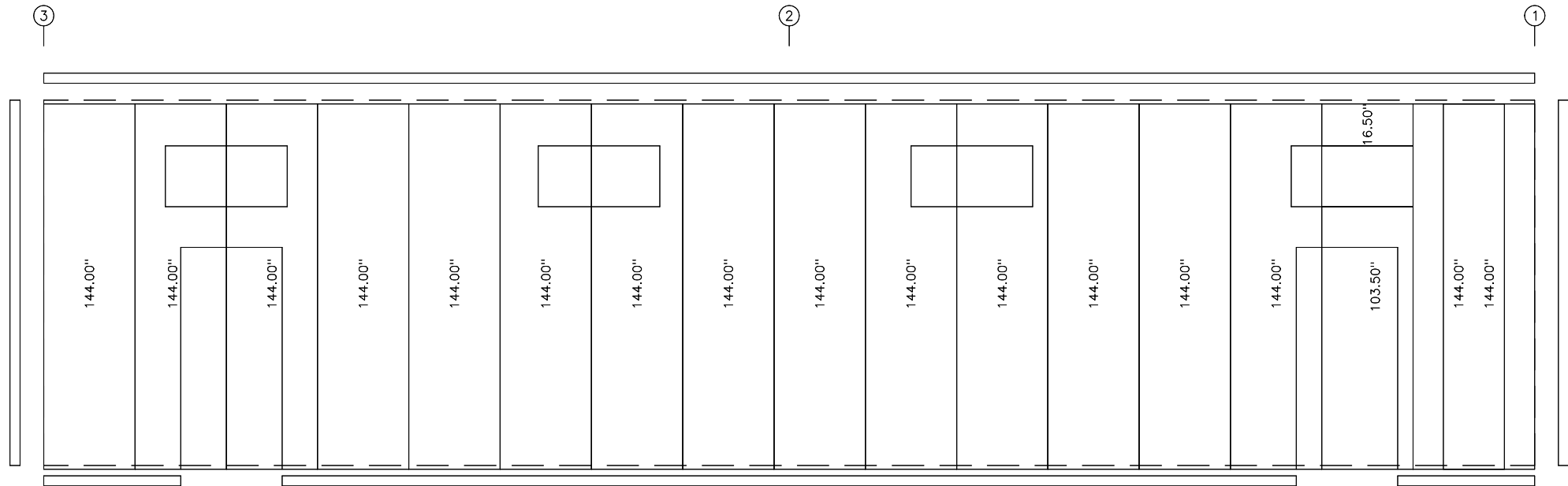
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

PROJECT NAME GUTEN CO. REV 1 215 DAWSON STREET, SAN ANTONIO, TX 78202	CUSTOMER NAME 215 DAWSON STREET SAN ANTONIO, TX 78202	JOB NUMBER E21T0750A	SHEET TITLE	DATE 12/28/21 1/5/2022	PE MZ MZ	ENG MBS MBS	CHK AWN AWN	DWN AWN AWN	ISSUE CONSTRUCTION ANCHOR BOLTS PERMITS	AMERICAN WESTERN STEEL LLC	AWW
										E5 of 8	





SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A  
PANELS: 26 Ga. L3P - MIDNIGHT BLACK-PVDF

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
DJ-1	J08C060	90.000
DJ-2	J08C060	44.000
DH-1	J08C060	48.000
DS-1	J08C060	48.000
E-3	08HE060	293.625
E-4	08HE060	293.625
G-5	08Z060	308.750
G-6	08Z060	308.750

CONNECTION PLATES	
FRAME LINE A	
ID	MARK/PART
1	JCE09
2	GCC03

SIDEWALL FRAMING PLAN

GENERAL NOTES

- STD. ROD/CABLE SIZES PER PART PREFIX ARE:  
ROD  
RD05- = 5/8" ROD  
RD06- = 3/4" ROD  
RD07- = 7/8" ROD  
RD08- = 1" ROD  
RD09- = 1 1/8" ROD  
RD10- = 1 1/4" ROD  
CABLE  
CA02- = 1/4" CABLE  
CA03- = 3/8" CABLE  
CA04- = 1/2" CABLE
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

PROJECT NAME  
GUTEN CO. REV 1  
215 DAWSON STREET, SAN ANTONIO, TX 78202

CUSTOMER NAME  
215 DAWSON STREET  
SAN ANTONIO, TX 78202

JOB NUMBER  
E21T0750A

SHEET  
E6 of 8

DATE  
12/28/21  
1/5/2022

PE  
STO

ENG  
MZ

CRK  
MBS

DWN  
AMN

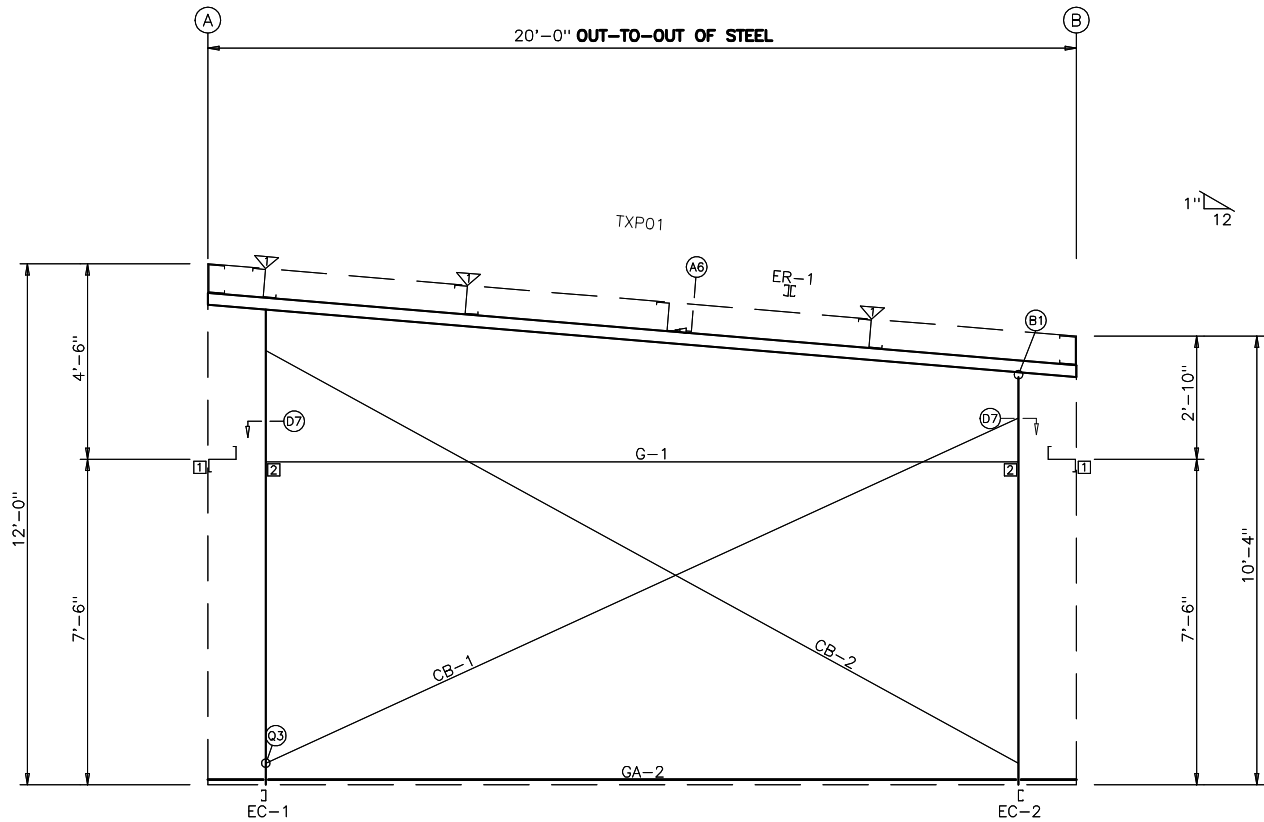
CONSTRUCTION ANCHOR BOLTS

PERMITS

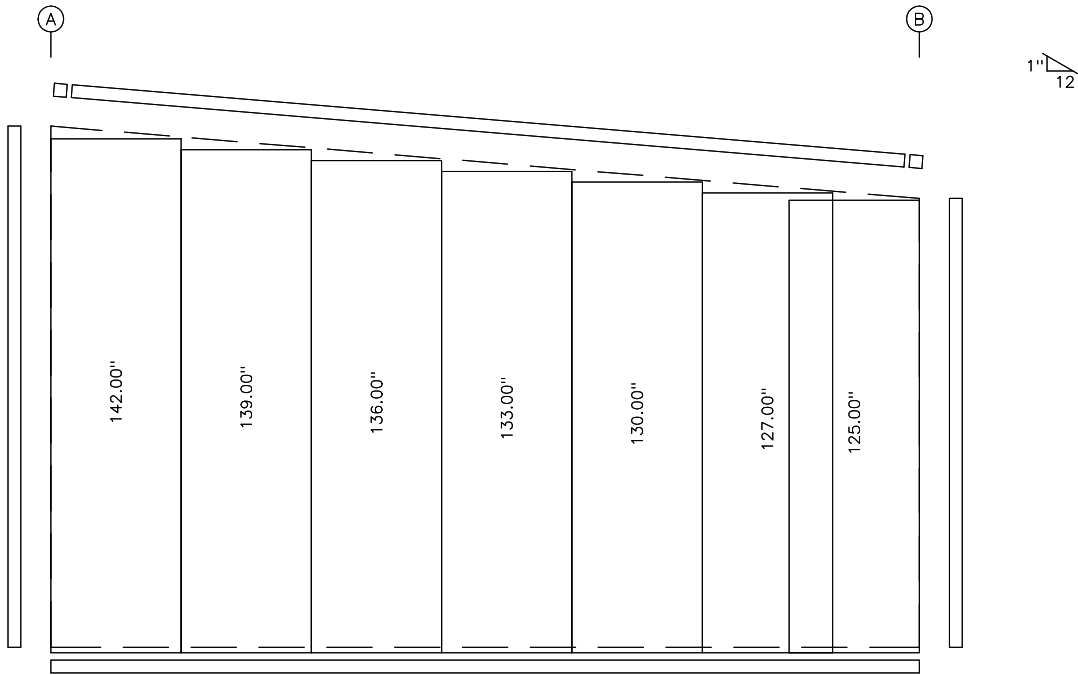
ISSUE

AMERICAN WESTERN STEEL LLC

STATE OF TEXAS  
SAMPLER TRAVIS OLIVER  
137331  
01/06/2022  
PROFESSIONAL ENGINEER



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1  
PANELS: 26 Ga. L3P - MIDNIGHT BLACK-PVDF

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	6	A325	1/2"	2"

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-1	W08S075	126.625
EC-2	W08S075	109.250
ER-1	W08SD089	239.688
G-1	08Z060	223.000
CB-1	RD05-	238.000
CB-2	RD05-	245.000

FLANGE BRACE TABLE			
FRAME LINE 1			
▽ ID	#	MARK	CLIP
1	1	FBE05	

CONNECTION PLATES	
FRAME LINE 1	
□ ID	MARK/PART
1	GCC03
2	GCW08gcb

ENDWALL FRAMING PLAN

GENERAL NOTES

- STD. ROD/CABLE SIZES PER PART PREFIX ARE:

ROD	CABLE
RD05- = 5/8" ROD	CA02- = 1/4" CABLE
RD06- = 3/4" ROD	CA03- = 3/8" CABLE
RD07- = 7/8" ROD	CA04- = 1/2" CABLE
RD08- = 1" ROD	
RD09- = 1 1/8" ROD	
RD10- = 1 1/4" ROD	
- ROD/CABLE BRACING THAT OCCURS IN FLUSH OR INSET GIRT CONDITIONS WILL REQUIRE FIELD SLOTTING OF GIRT WEBS TO ALLOW FOR BRACING.
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

PROJECT NAME  
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CUSTOMER NAME  
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JOB NUMBER  
E21T0750A

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E7 of 8

DATE  
12/28/21  
1/5/2022

PE  
MZ  
MZ

ENG  
MZ  
MZ

CHK  
MBS  
MBS

DWN  
AMN  
AMN

CONSTRUCTION ANCHOR BOLTS

PERMITS

ISSUE

AMERICAN WESTERN STEEL LLC

STATE OF TEXAS

SAMUEL TRAVIS OLIVER  
137331  
01/06/2023  
PROFESSIONAL ENGINEER

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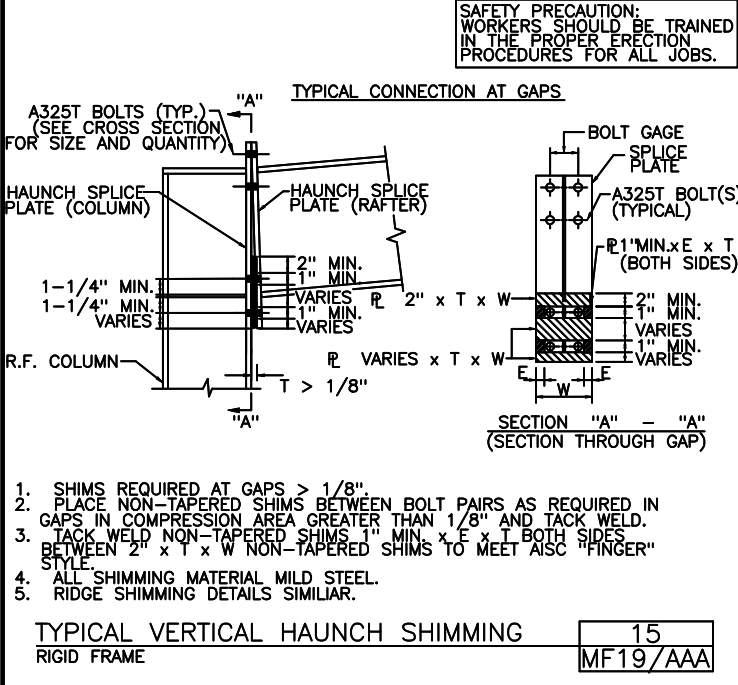
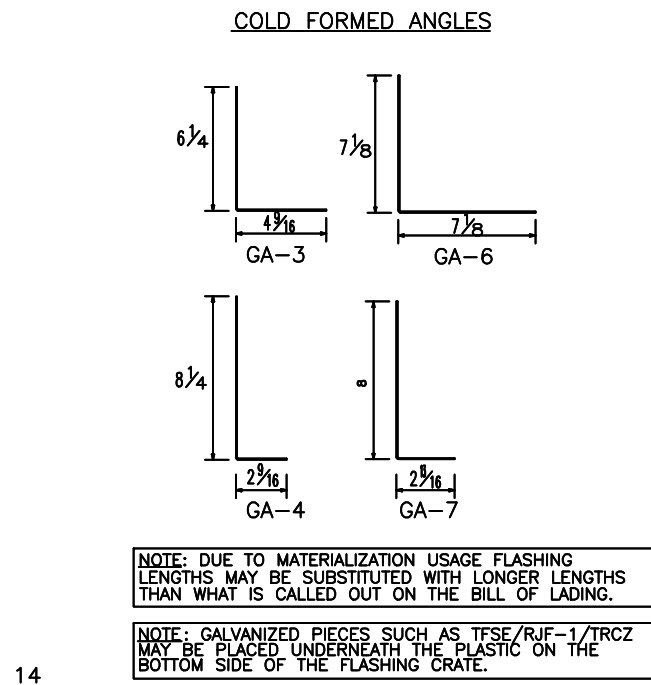
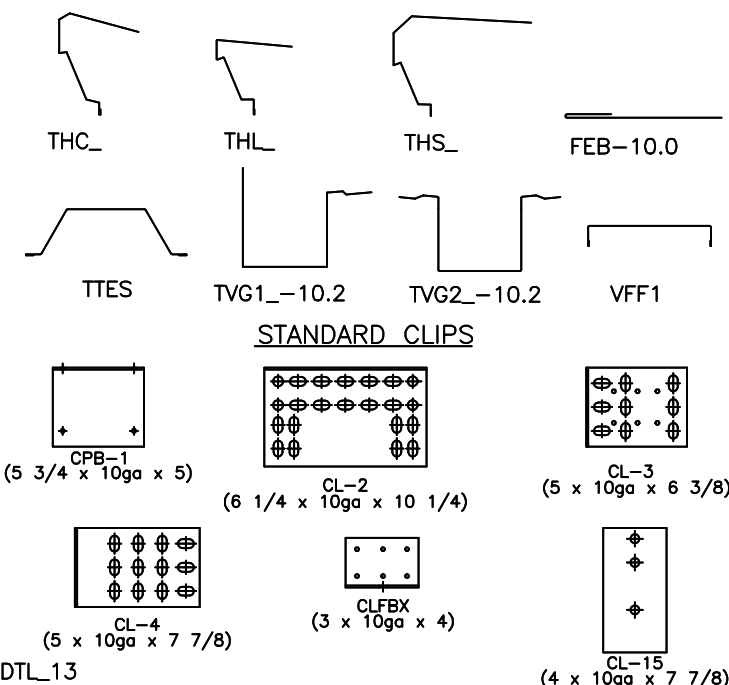
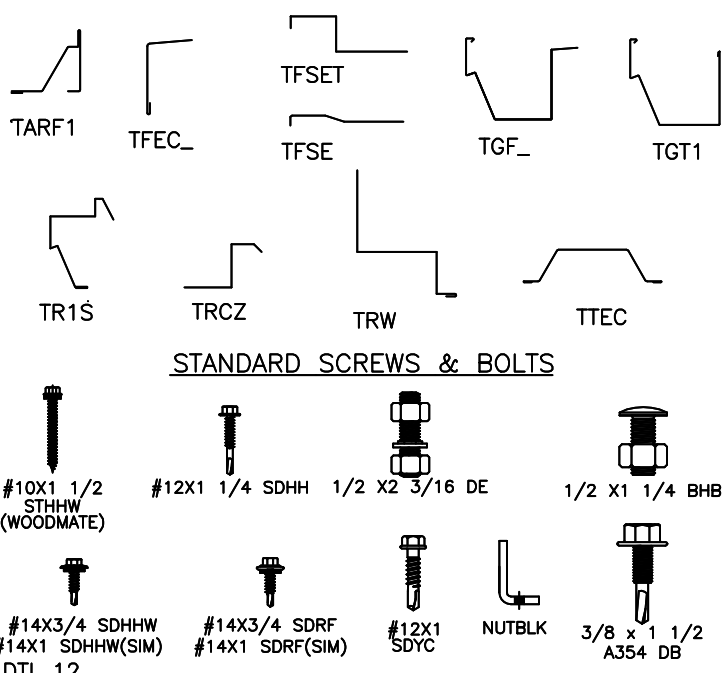
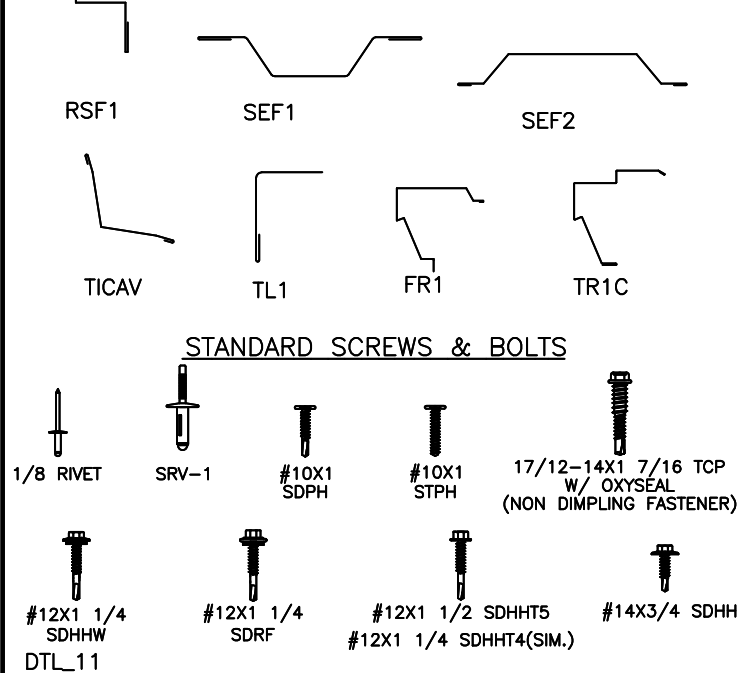
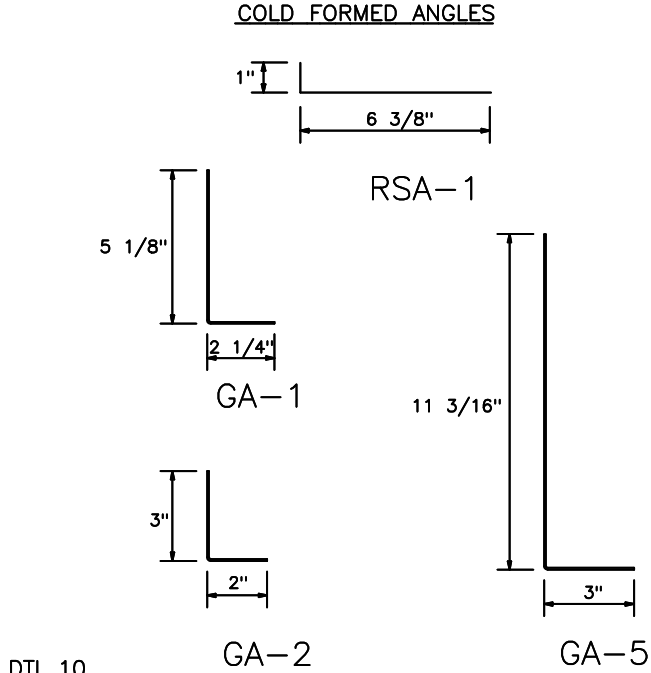
SHEET



**BOLTED JOINTS:**  
BOLTED JOINTS SHALL BE CONNECTED AND INSPECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" JUNE 30, 2004, RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. UNLESS NOTED OTHERWISE ON THE ABC ERECTION DRAWINGS, ALL A325 BOLTS ARE USED IN CONNECTIONS DEFINED AS SNUG-TIGHT JOINTS (ST). FOR INSTALLATION IN SNUG-TIGHT JOINTS, ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE IN ALL HOLES WITH NUTS THREADED BEFORE COMPACTING THE JOINT TO THE SNUG-TIGHT POSITION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG TIGHT CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH SO THAT THE CONNECTED PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT. MORE THAN ONE CYCLE THROUGH THE BOLT PATTERN MAY BE REQUIRED TO ACHIEVE THE SNUG-TIGHT CONDITION.

CONNECTIONS WITH A325 BOLTS WHICH ARE DEFINED AS PRETENSIONED (PT) OR SLIP-CRITICAL (SC) JOINTS WILL BE NOTED AS SUCH ON THE ABC DRAWINGS OR BY THE ENGINEER OF RECORD. ALL CONNECTIONS WITH A490 BOLTS ARE EITHER PRETENSIONED (PT) OR SLIP-CRITICAL (SC) JOINTS. PRETENSIONED JOINTS ARE TYPICALLY REQUIRED WHEN THE JOINT IS SUBJECT TO SIGNIFICANT LOAD REVERSAL, THE JOINT IS SUBJECT TO FATIGUE LOAD WITH NO LOAD REVERSAL, THE BOLTS ARE SUBJECT TO TENSILE FATIGUE, THE BUILDING SUPPORTS A CRANE OF OVER 5-TON CAPACITY, OR THE CONNECTION IS PART OF THE SEISMIC LOAD RESISTING SYSTEM AND THE AISC SEISMIC PROVISIONS (AISC 341) ARE APPLICABLE. THE SEISMIC PROVISIONS ARE APPLICABLE WHEN THE SEISMIC RESPONSE MODIFICATION COEFFICIENT, R, IS TAKEN GREATER THAN 3. NOTE THAT LOADINGS FROM WIND OR SNOW ARE NOT CONSIDERED SIGNIFICANT LOAD REVERSAL OR FATIGUE LOADINGS. SLIP CRITICAL JOINTS ARE REQUIRED WHEN SLIP IS DETERMINED TO BE DETRIMENTAL TO THE PERFORMANCE OF THE STRUCTURE. INSTALLATION METHODS PERMITTED FOR PRETENSIONED AND SLIP-CRITICAL JOINTS INCLUDE TURN OF THE NUT PRETENSIONING, CALIBRATED WRENCH PRETENSIONING, TWIST-OFF-TYPE TENSION CONTROL BOLT ASSEMBLIES, AND DIRECT-TENSION-INDICATOR PRETENSIONING. PRETENSION VALUES EQUAL TO OR GREATER THAN THE VALUES LISTED IN THE BOLT PRETENSION SCHEDULE SHALL BE PROVIDED.

FOR INSTALLATION BY TURN-OF-NUT PRETENSIONING, ALL BOLTS SHALL FIRST BE TIGHTENED IN ACCORDANCE WITH THE SNUG-TIGHT PROCEDURE. THE NUT OR HEAD AS APPLICABLE SHALL THEN BE ROTATED BY THE AMOUNT SPECIFIED IN THE BOLT PRETENSION SCHEDULE PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE PART NOT TURNED BY THE WRENCH SHALL BE PREVENTED FROM ROTATING DURING THIS OPERATION.



ROOF FLASHING LAPS AND END TRANSITIONS EXPOSED TO ROOF CONDITIONS

1. ROOF FLASHING LAPS SHALL BE SEALED WITH 3/4" x 3/16" TAPE MASTIC (3/4" TM).
2. FIELD CUT FEB-10.2 BACKUP FLASHING TO REINFORCE FLASHING ENDLAPS AND TERMINATIONS. INSTALL FEB AS SHOWN IN CONNECTION DETAILS (INBOARD) OF MASTIC, CLOSURES AND SUPPORT MEMBERS.

EXTRA CARE SHOULD BE TAKEN:  
DO NOT EXTEND FEB INTO THE MASTIC  
DO NOT EXTEND FEB BEYOND THE BUILDING ENVELOPE

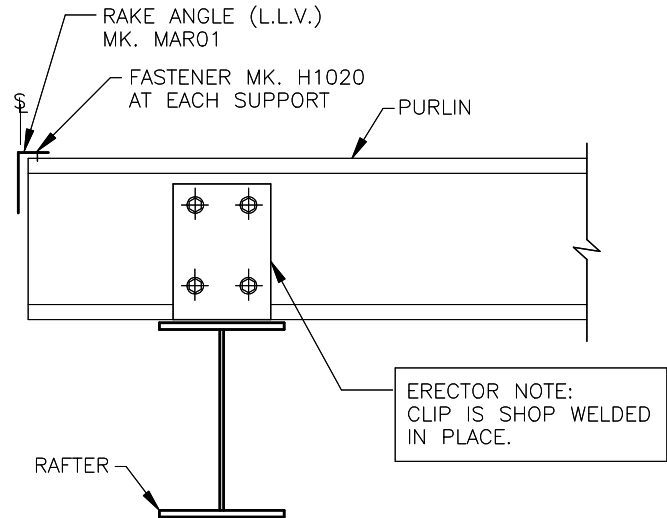
FEB EXTENDED BEYOND THE BUILDING ENVELOPE INTERRUPTS THE GASKET CREATED BY THE CONTINUOUS MASTIC APPLICATION.  
ADJUST FIELD CUT FEB LENGTHS AS REQUIRED.

3. STANDARD FASTENER SPACING AS SHOWN ON CONNECTION DETAILS WILL NEED TO VARY TO ENSURE A COMPLETE GASKET SEAL AT SOME LOCATIONS. INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING.
  - DECREASE STITCH FASTENER SPACING FROM 6" O.C. TO 3" O.C. AT FLASHING LAPS AND TRANSITIONS.  
EXAMPLES: RIDGE FLASHING TO RAKE CAP  
HIP FLASHING TO TRCZ AT EAVE  
RIDGE CAP TO PEAK BOX
  - AT ALL EXPOSED ROOF FLASHINGS ENDLAPS INSTALL A STITCH FASTENER THROUGH THE UPPER FLASHING 2 1/2" FROM THE ENDLAP. (SEE DETAIL RC35WAA)

4. VALLEY GUTTER LAPS SHALL BE SEALED WITH 2" x 3/16" TAPE MASTIC (2TM) AND SHALL BE STITCHED WITH #14 ROOF FASTENERS 2" ON CENTER. QUANTITY WILL VARY WITH GUTTER SIZE.
5. PREDRILL 1/4"Ø HOLES AT UPPER AND LOWER FLASHING FOR #14 FASTENERS. DO NOT PREDRILL FEB BACKUP FLASHING.
6. FOR ROOF FLASHING LAPS NOT SHOWN IN DETAILS, THAT ARE EXPOSED TO ROOF CONDITIONS, USE THE FOLLOWING AS A GUIDE;
  - REINFORCE THE TOP SIDE OF ALL FLASHING END TRANSITIONS EXPOSED TO ROOF CONDITIONS USING #14 ROOF FASTENERS, 3" ON CENTER THROUGH MASTIC AND FIELD CUT FEB-10.2 (AS SPACE ALLOWS)
7. FOR FLASHING LAPS NOT SHOWN AND NOT EXPOSED TO ROOF CONDITIONS, USE THE FOLLOWING AS A GUIDE;
  - USE 1/8 INCH BLIND RIVETS 3" ON CENTER.

- GENERAL REQUIREMENTS**
8. ALL FLASHING LAPS SHALL BE TWO INCHES.

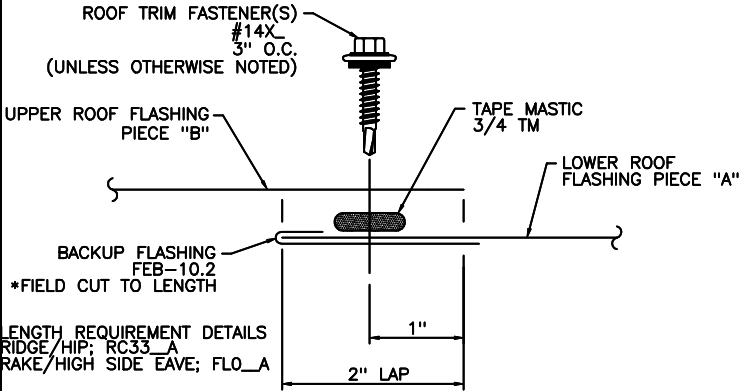
FLASHING LAPS AND TRANSITIONS- GENERAL REQUIREMENTS 16  
FLO6AA



WELDED CLIP @ R/F ENDWALL

USE (4) 1/2" x 1 1/4" A307  
BOLTS H0500 / NUTS H0400  
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

A10

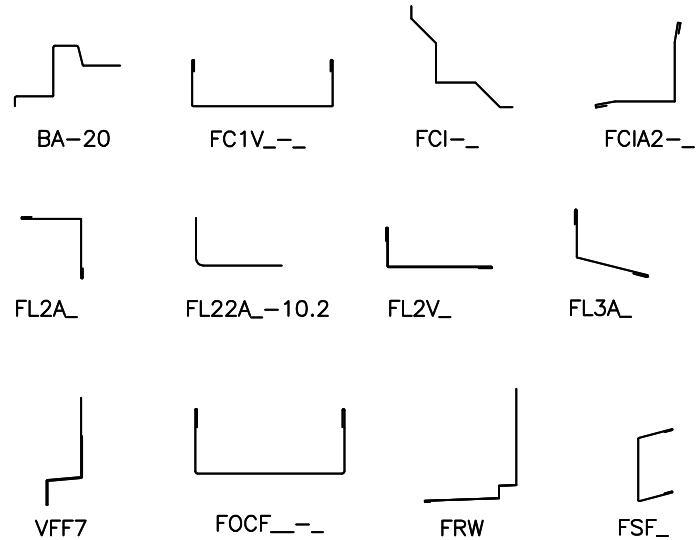


HOLES MUST BE DRILLED PRIOR TO APPLYING MASTIC. TEMPORARILY LAP PIECE "B" OVER PIECE "A". PRE-DRILL THE REQUIRED NUMBER OF 1/4"Ø HOLES THROUGH BOTH "A" & "B" PIECES OF ROOF FLASHING BUT NOT BACKUP FLASHING.

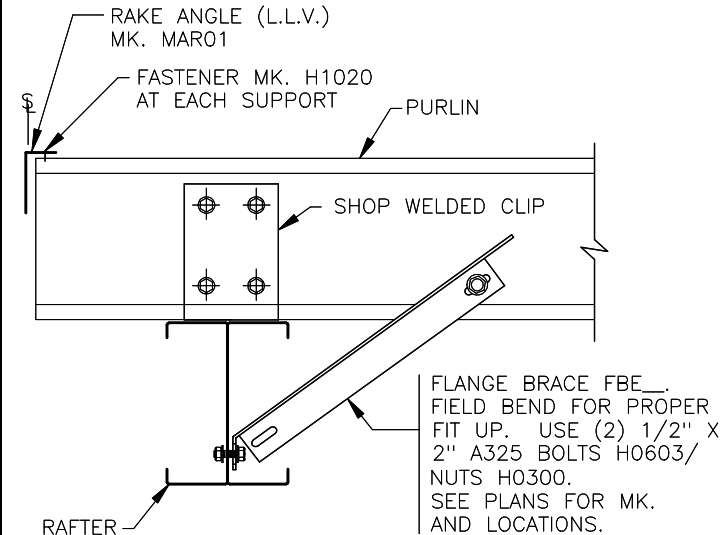
SLIDE PIECE "B" BACK AND APPLY TAPE MASTIC AND BACKUP FLASHING ON PIECE "A" AS SHOWN. LAP PIECE "B" OVER PIECE "A" BEING CAREFUL TO ALIGN HOLES. INSTALL ROOF FASTENERS AS SHOWN. CONTINUE PROCESS ALONG ROOF CONDITION.

SECTION THROUGH ROOF FLASHING LAP 18  
RC35A/AA

NOTE: DRAWINGS NOT TO SCALE, DRAWINGS TO REPRESENT PROFILE ONLY



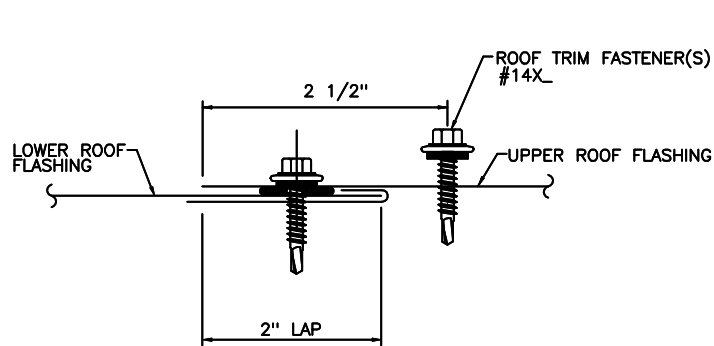
DTL\_7



PURLIN TO DOUBLE CEE RAFTER

USE (4) 1/2" x 1 1/4" A307  
BOLTS H0500 / NUTS H0400  
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

A6



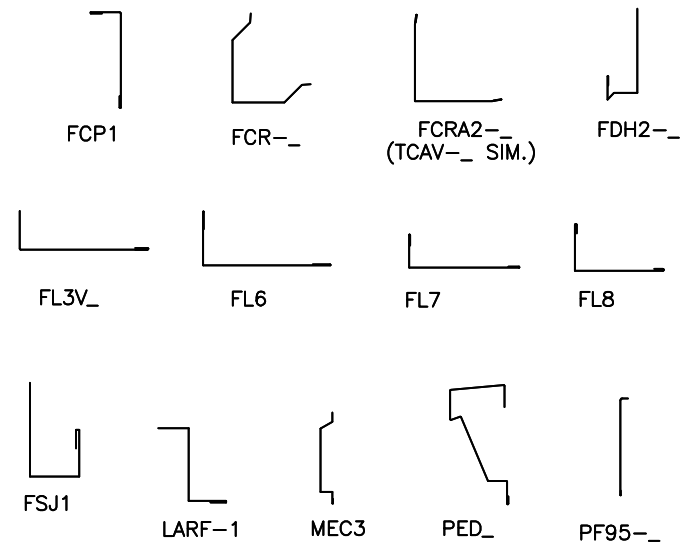
ALL FLASHING EXPOSED TO ROOF CONDITIONS REQUIRE A FASTENER LOCATED 2 1/2" FROM THE EDGE OF THE UPPER FLASHING, AS SHOWN ABOVE, TO ENSURE A POSITIVE SEAL AT ENDLAPS.

STANDARD FASTENER SPACING FOR FLASHING CONNECTION. TYPICALLY 6" O.C., MAY RESULT IN FASTENER SPACING AT ENDLAPS EXCEEDING THE 2 1/2".

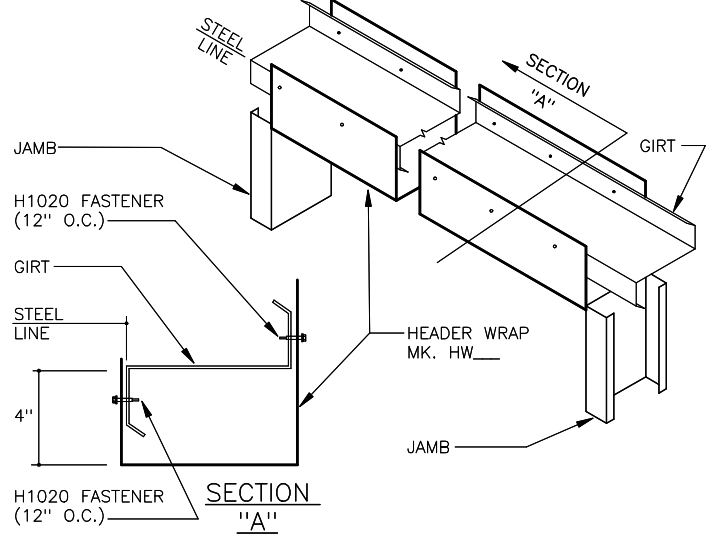
ADD FASTENERS OR REDUCE SPACING AS REQUIRED AT ENDLAPS.

EXPOSED ROOF FLASHING FASTENER REQUIREMENT 19  
RC35W/AA

STANDARD FLASHING PROFILES



DTL\_8



CG0025

HEADER WRAP DETAIL

X1

ASTM A325 BOLT PRETENSION SCHEDULE			
BOLT DIA. d <sub>b</sub>	SPECIFIED MINIMUM BOLT PRETENSION	NUT OR HEAD ROTATION FROM SNUG-TIGHT CONDITION	
		L <sub>b</sub> ≤ 4d <sub>b</sub>	4d <sub>b</sub> < L <sub>b</sub> ≤ 8d <sub>b</sub>
1/2"Ø	12 KIPS	1/3 TURN	1/2 TURN
3/4"Ø	28 KIPS		
7/8"Ø	39 KIPS		
1"Ø	51 KIPS		

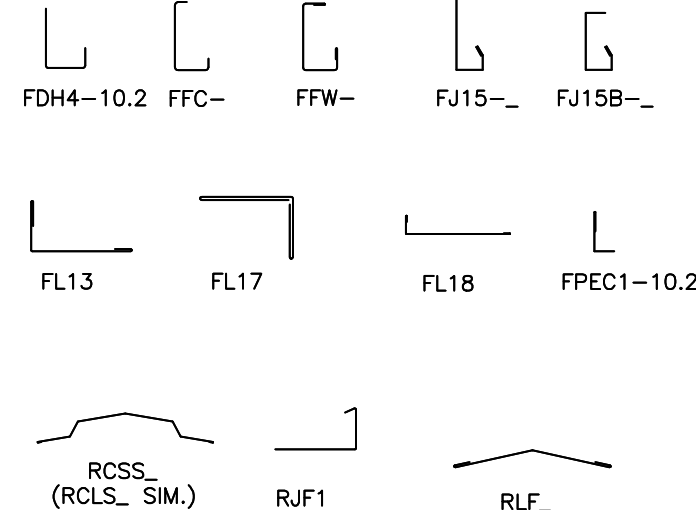
(L<sub>b</sub> = LENGTH OF BOLT)

INSPECTION:

INSPECTION REQUIREMENTS FOR SNUG-TIGHT JOINTS CONSISTS OF VERIFICATION THAT THE PROPER FASTENER COMPONENTS WERE USED AND THAT THE CONNECTED ELEMENTS WERE FABRICATED PROPERLY. AFTER ASSEMBLY, IT SHALL BE VISUALLY ENSURED THAT THE PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT, AND THAT WASHERS, IF REQUIRED, HAVE BEEN USED. NO FURTHER EVIDENCE OF CONFORMITY IS REQUIRED.

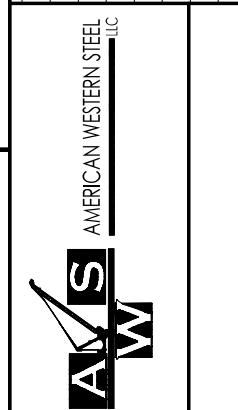
FOR TURN-OF-NUT PRETENSIONING, IN ADDITION TO THE INSPECTION REQUIREMENTS FOR SNUG-TIGHT JOINTS, THE INSPECTOR SHALL OBSERVE THE PRE-INSTALLATION VERIFICATION TESTING AND MONITOR THE WORK IN PROGRESS TO ENSURE THAT THE BOLTING CREW PROPERLY ROTATES THE TURNED ELEMENT BY THE AMOUNT SPECIFIED IN THE SCHEDULE. ALTERNATIVELY, WHEN THE FASTENERS ARE MATCH-MARKED AFTER INITIAL FIT-UP (SNUG-TIGHT CONDITION), VISUAL INSPECTION IS PERMITTED. THE SIDE OF NUTS AND BOLTS THAT HAVE BEEN IMPACTED SUFFICIENTLY TO INDUCE THE MINIMUM PRETENSION LOADS WILL APPEAR SLIGHTLY PEENED. NO FURTHER EVIDENCE OF CONFORMITY IS REQUIRED.

BOLT INSTALLATION & INSPECTION NOTES MF91  
1/2Ø, 3/4"Ø, 7/8"Ø, & 1"Ø STRUCTURAL BOLTS (A325) AA

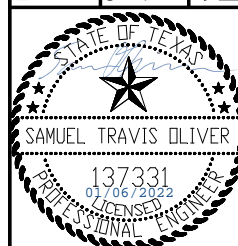


DTL\_9

DATE	PE	ENG	CHK	DWN	ISSUE	CONSTRUCTION ANCHOR BOLTS	PERMITS
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1/5/2022		MZ		AMN			



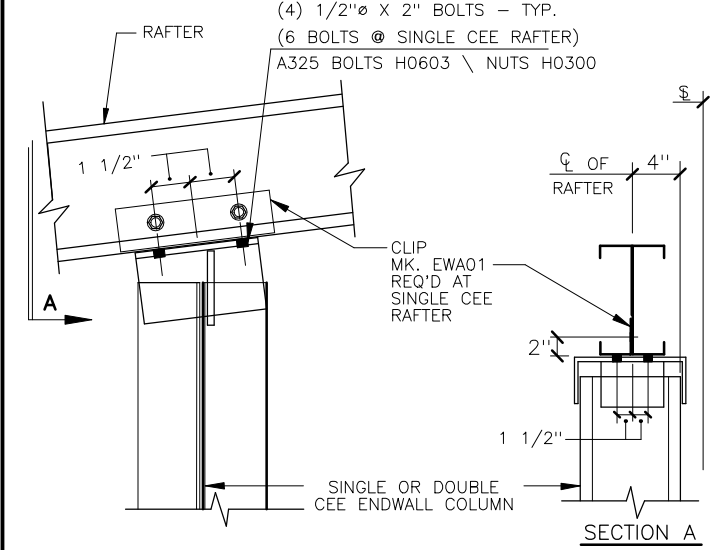
PROJECT NAME	CUSTOMER NAME	JOB NUMBER	SHEET TITLE
GUTEN CO. REV 1 215 DAWSON STREET, SAN ANTONIO, TX 78202	215 DAWSON STREET SAN ANTONIO, TX 78202	E21T0750A	



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SHEET D2 of 7



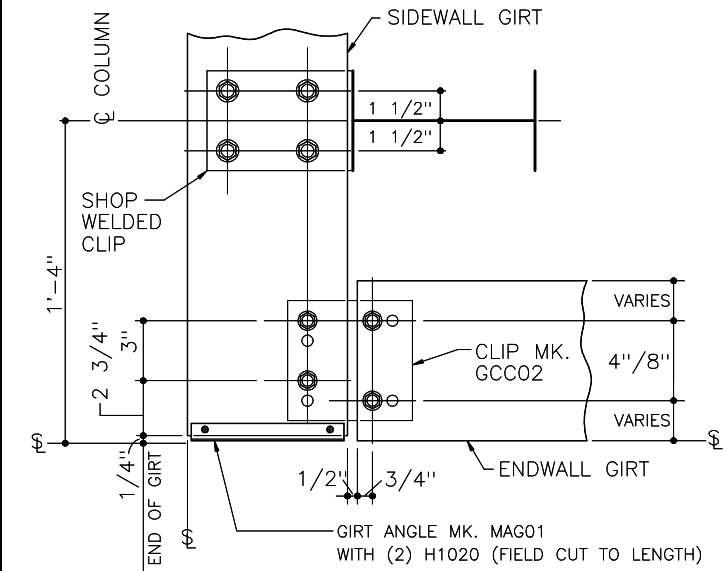


### ENDWALL COLUMN TO RAFTER

COLD-FORMED COLUMN TO COLD-FORMED RAFTER

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

B1



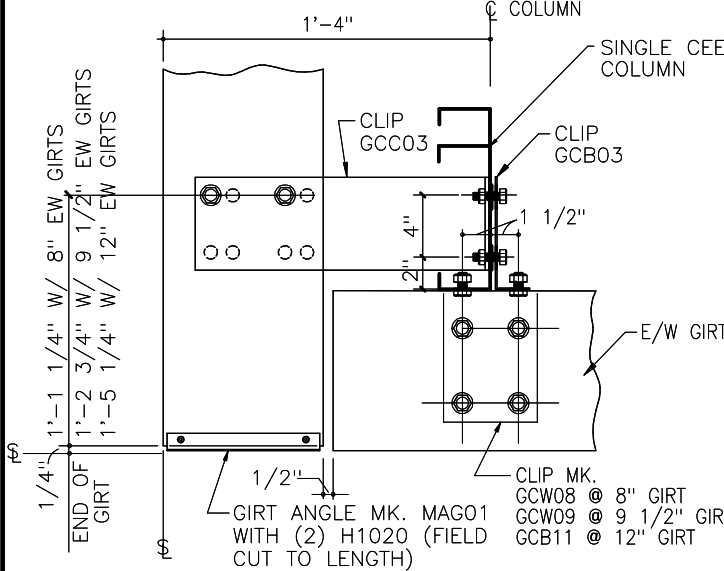
### BYPASS SIDEWALL GIRT AT RF CORNER

USE (8) 1/2" x 1 1/4" A307

BOLTS H0500 / NUTS H0400

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

D16



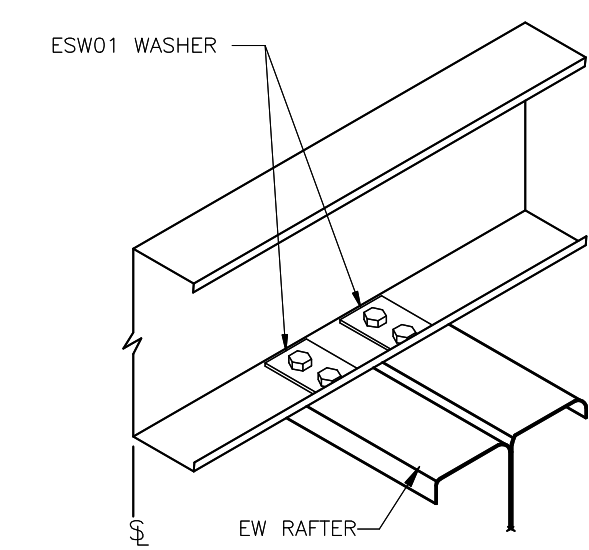
### BYPASS ENDWALL GIRT AT CORNER

USE (10) 1/2" x 1 1/4" A307

BOLTS H0500 / NUTS H0400

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

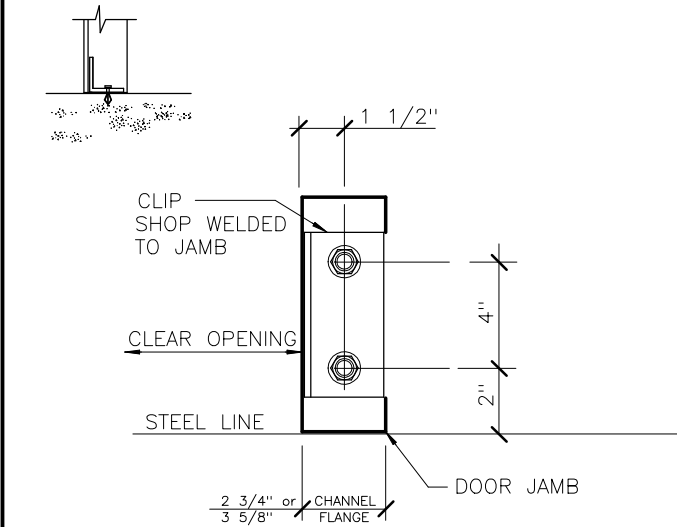
D7



### EAVE STRUT TO ENDWALL RAFTER (4-bolt)

USE (4) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

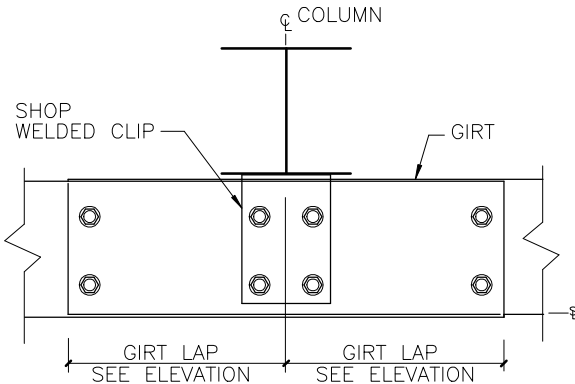


### JAMB TO FINISHED FLOOR

\*\*ATTACHMENT TO SLAB BY OTHERS\*\*

E9

ERECTOR NOTE:  
AT EACH LAPPED GIRT CONNECTION, (1) 1/2" x 1 1/4" THIN HEAD BOLT H0510/NUT H0400 MUST BE USED TO ATTACH THE FIRST GIRT TO THE GIRT CLIP. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE LAPPED GIRT BEING INSTALLED. REFERENCE THE STANDARD "LAPPED GIRT DETAIL" FOR MORE INFORMATION.



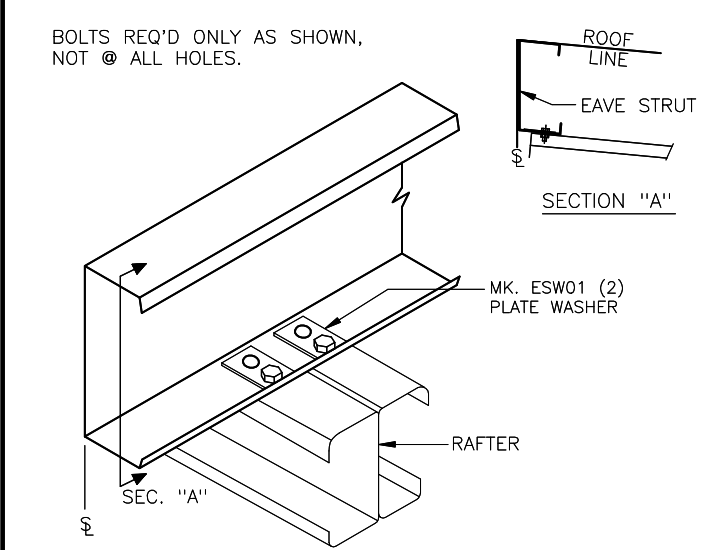
### GIRT TO COLUMN

USE (7) 1/2" x 1 1/4" A307

BOLTS H0500 / NUTS H0400

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

H2

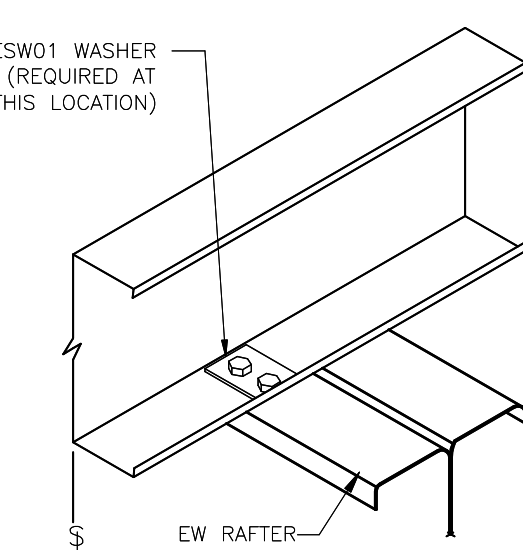


### HIGH EAVE VERTICAL EAVE STRUT TO EW RAFTER

USE (4) 1/2" x 2" A325 BOLT H0603/NUT H0300

SEE ERECTOR NOTE FOR TYP. WASHER REQUIREMENTS

I18

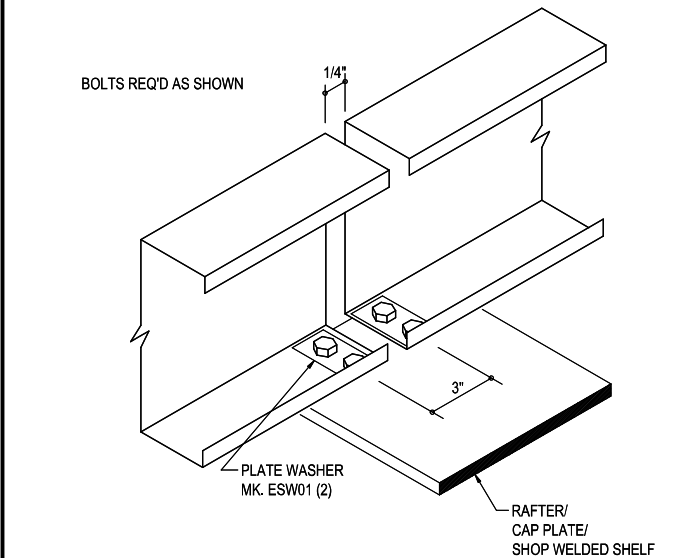


### EAVE STRUT TO ENDWALL RAFTER (2-bolt)

USE (2) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

I7

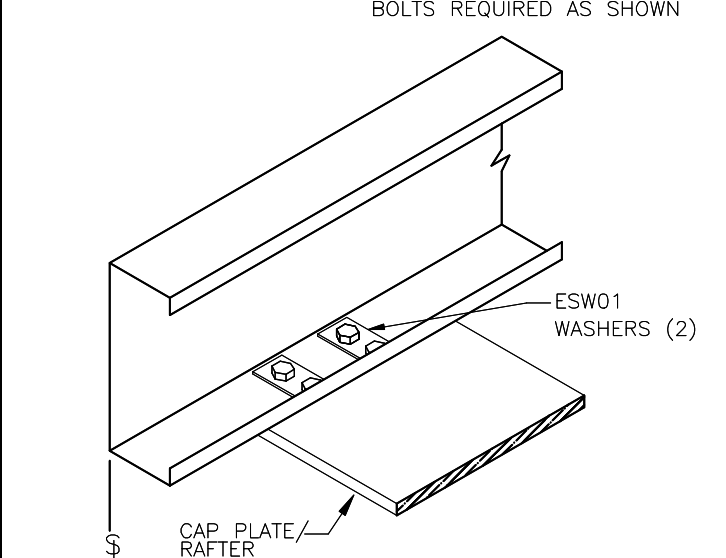


### LOW EAVE EAVE STRUT AT BYPASS GIRTS

USE (4) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

J2

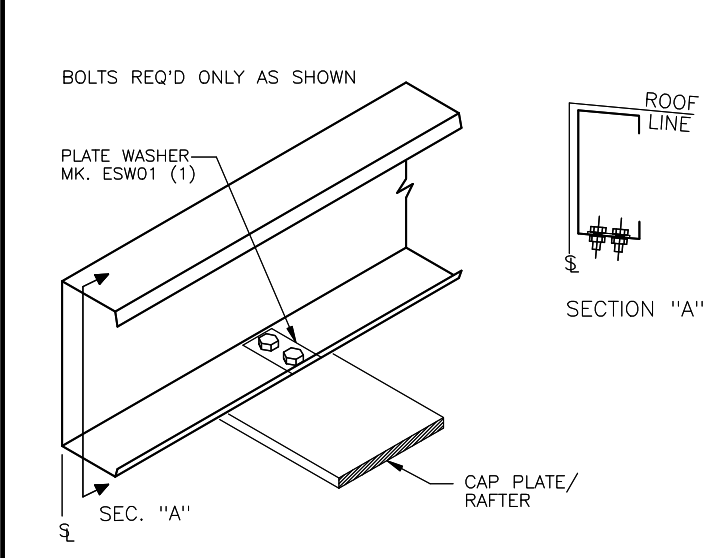


### LOW EAVE EAVE STRUT

USE (4) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

J24



### HIGH EAVE VERTICAL EAVE STRUT

USE (2) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

J26

AB0090

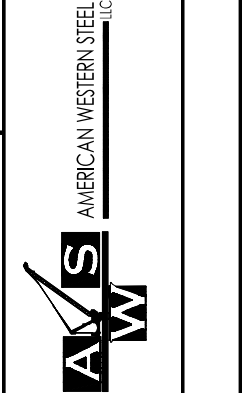
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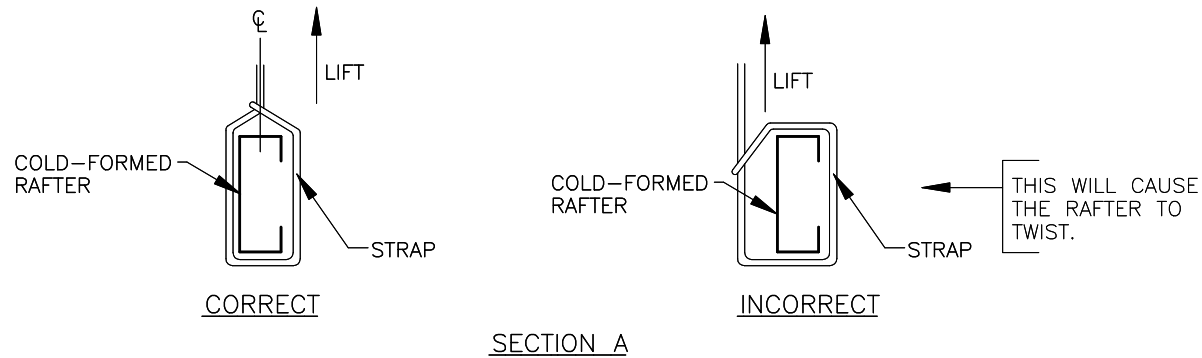
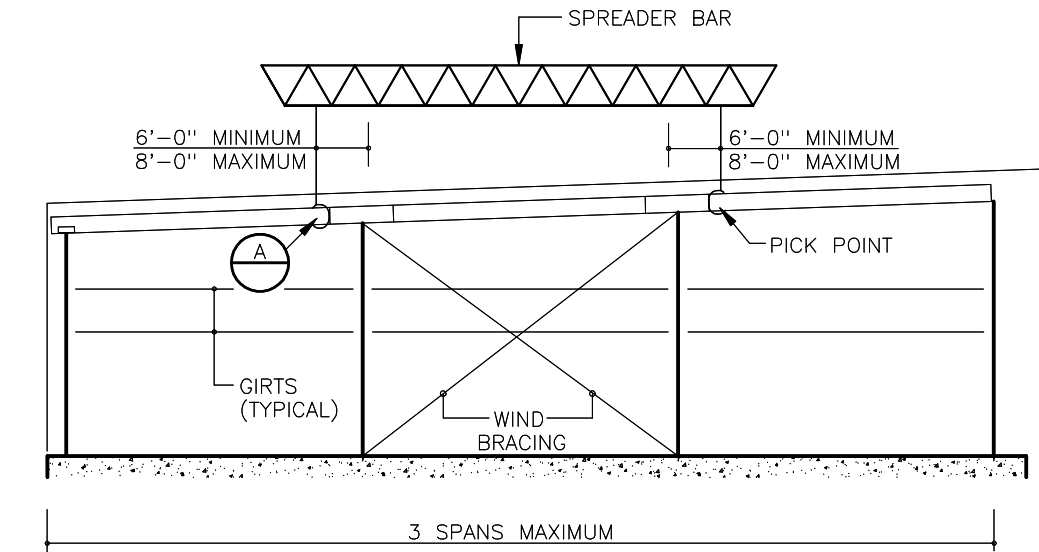
DATE	PE	ENG	CRK	DWN	ISSUE	CONSTRUCTION	PERMITS
12/28/21		MZ	MBS	AMN			
1/5/2022		MZ	MBS	AMN			



PROJECT NAME	GUTEN CO. REV 1
CUSTOMER NAME	215 DAWSON STREET, SAN ANTONIO, TX 78202
JOB NUMBER	215 DAWSON STREET SAN ANTONIO, TX 78202
SHEET TITLE	E21T0750A



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	D3 of 7

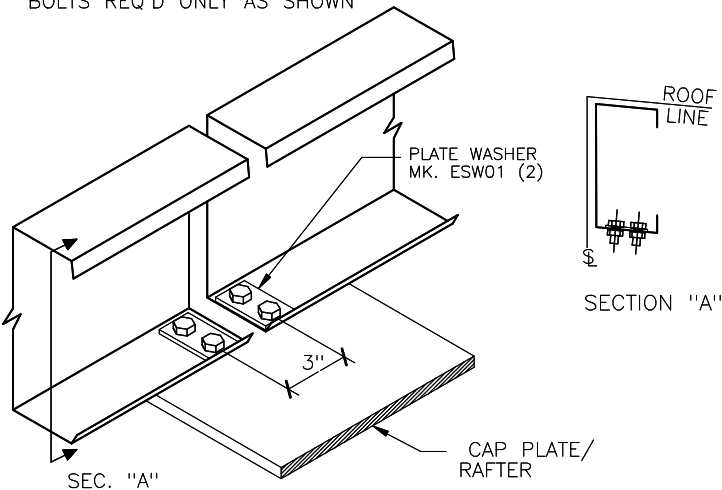


## COLD FORMED ENDWALL ERECTOR DETAIL

1. GIRTS, CLIPS, RAFTERS AND COLUMNS MUST BE SECURELY AND TIGHTLY BOLTED TOGETHER PRIOR TO STANDING UP THE ENDWALL SECTION. (NOTE: THE GIRTS PROVIDE STABILITY TO THE ENDWALL SYSTEM DURING THE ERECTION PROCESS)
2. BUILT-UP COLUMNS/RAFTERS MUST BE ERECTED INDIVIDUALLY WHEN USED WITH COLD FORMED ENDWALL PARTS
3. THIS DETAIL IS SUGGESTED IN ORDER TO MAINTAIN STRUCTURAL INTEGRITY OF ENDWALL PARTS AFTER ERECTION. SOUND JUDGEMENT BASED ON ERECTION KNOWLEDGE AND EXPERIENCE SHOULD BE APPLIED REGARDING SAFETY AND PRACTICALITY OF INDIVIDUAL SITUATIONS.
4. REGULATIONS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ACT, LOCAL, STATE, AND/OR FEDERAL AGENCIES SHOULD BE ADHERED TO AT ALL TIMES. THE METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR INJURY, DAMAGE, OR FAILURE WHICH MAY RESULT FROM FAILING TO MEET ANY OF THESE REGULATIONS.

NAA0005

BOLTS REQ'D ONLY AS SHOWN

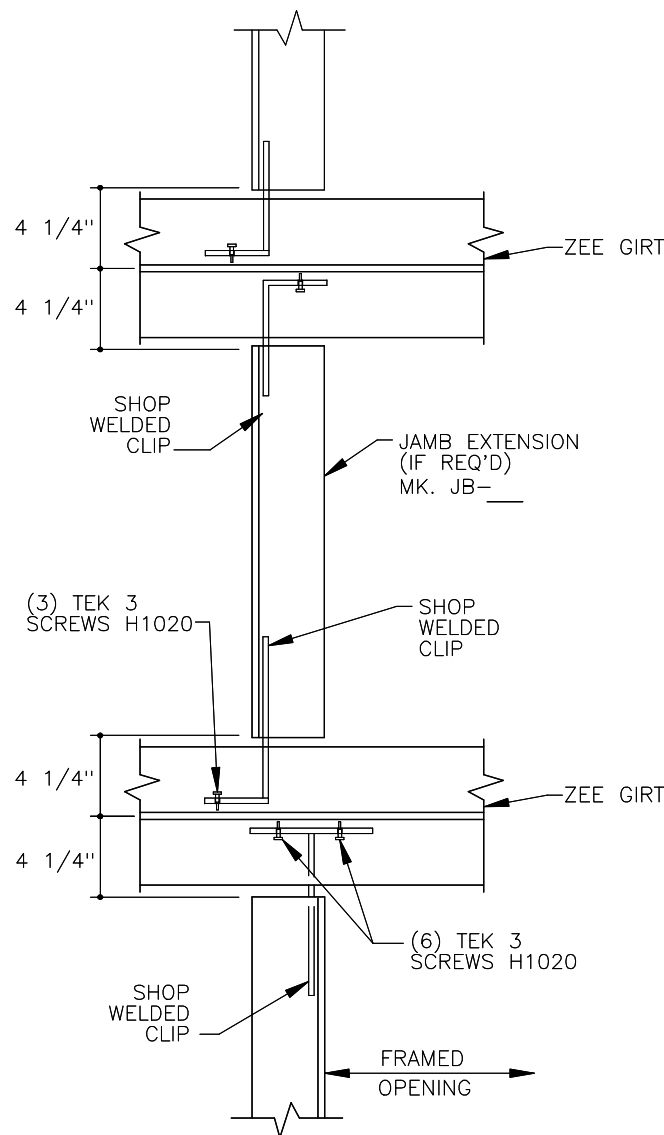


## HIGH EAVE VERTICAL EAVE STRUT

USE (4) 1/2" x 2" A325 BOLTS H0603 / NUTS H0300  
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

J8

ERECTOR NOTES:  
-IF THE T-CLIP IS LOCATED IN THE SAME LOCATION AS NESTED GIRT BOLTS, THE NESTED GIRT BOLTS CAN BE REMOVED.  
-PRE-DRILL HOLES AT NESTED ZEE GIRTS AND DOUBLE CEE GIRTS AS REQUIRED.



## DOOR JAMB TO GIRT

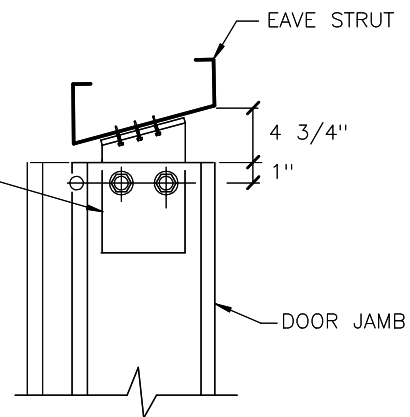
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

L8

### JAMB TO E.S. CLIP

MK. JHG01 AT 1:12  
MK. JHG02 AT 2:12  
MK. JHG03 AT 3:12  
MK. JHG04 AT 4:12

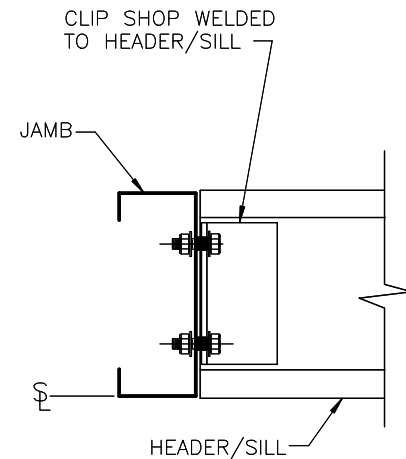
ATTACH CLIP TO E.S.  
WITH (6) H1020  
FASTENERS



## DOOR JAMB TO HIGH EAVE STRUT

USE (2) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

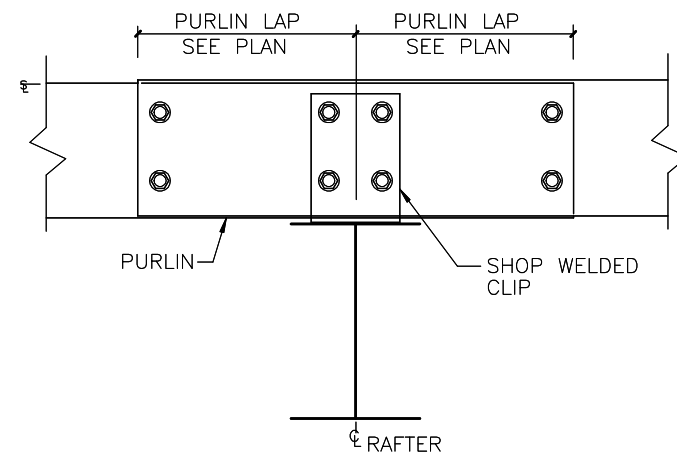
L17



## HEADER/SILL TO JAMB

USE (2) 1/2" x 1 1/4" A307 BOLTS H0500 / NUTS H0400  
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

M3

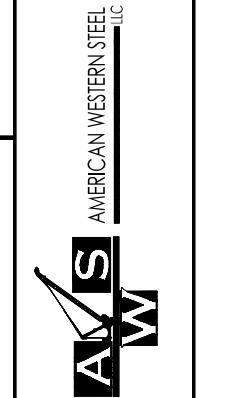


## PURLIN TO INTERIOR FRAME RAFTER

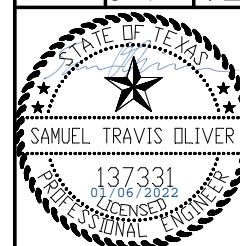
USE (8) 1/2" x 1 1/4" A307  
BOLTS H0500 / NUTS H0400  
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

G2

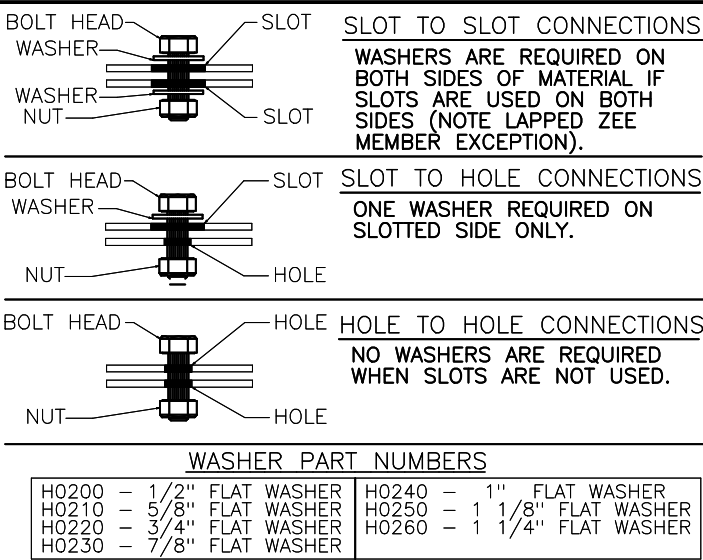
DATE	12/28/21
PE	1/5/2022
ENG	MZ
CHK	MBS
DWN	AMN
ISSUE	AMN
CONSTRUCTION ANCHOR BOLTS	
PERMITS	



PROJECT NAME  
GUTEN CO. REV 1  
215 DAWSON STREET, SAN ANTONIO, TX 78202  
CUSTOMER NAME  
215 DAWSON STREET  
SAN ANTONIO, TX 78202  
JOB NUMBER  
E21T0750A  
SHEET TITLE

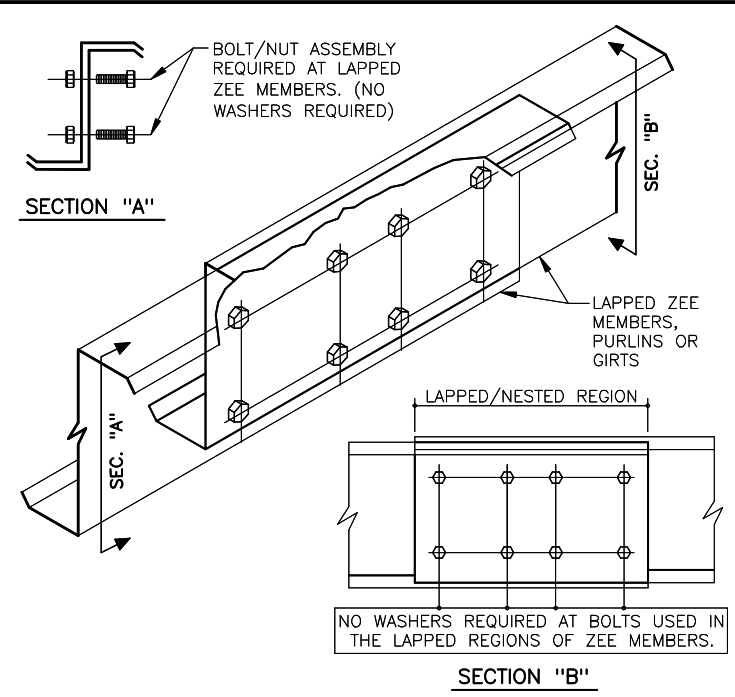


This seal pertains only to the designs and calculations prepared by the Engineer for the building which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.



**TYPICAL WASHER REQUIREMENTS ERECTOR NOTE**  
(UNLESS NOTED OTHERWISE ON DRAWINGS)

**NAA0030**



**TYPICAL FIELD WELD REQUIREMENTS ERECTOR NOTE:**  
(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING **MUST BE PERFORMED BY AWS/CWB CERTIFIED WELDERS WHO ARE QUALIFIED** FOR THE WELDING PROCESSES AND POSITIONS INDICATED.

ALL WORK MUST BE **COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS/CWB SPECIFICATIONS.**

WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS **MUST BE 70 KSI/483 MPa MATERIAL AND LOW HYDROGEN CONTENT.**

**GALVANIZED STEEL FIELD WELDING RECOMMENDATIONS**

**PREPARATION OF WELD AREA**

AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 cm) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ARE ALSO EFFECTIVE.

**TOUCH-UP OF WELD AREA**

WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

**SAFETY & HEALTH**

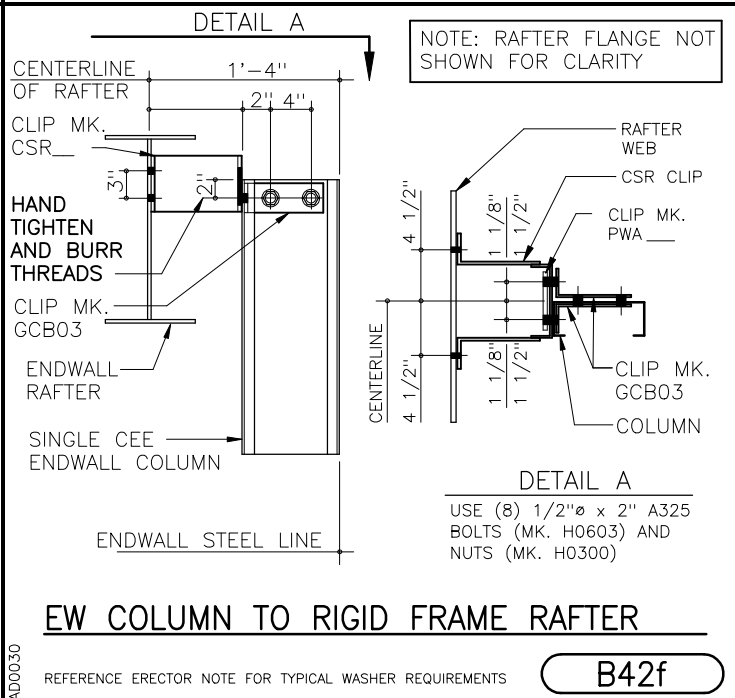
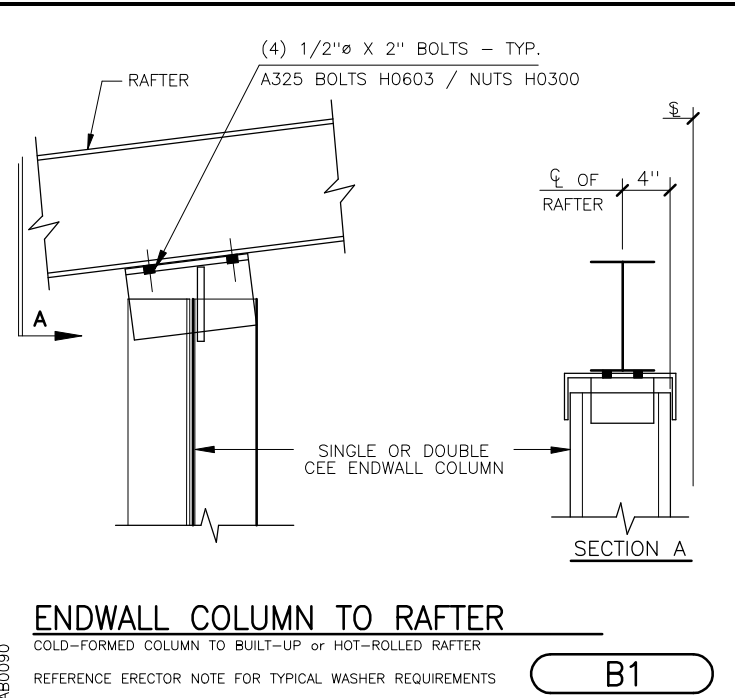
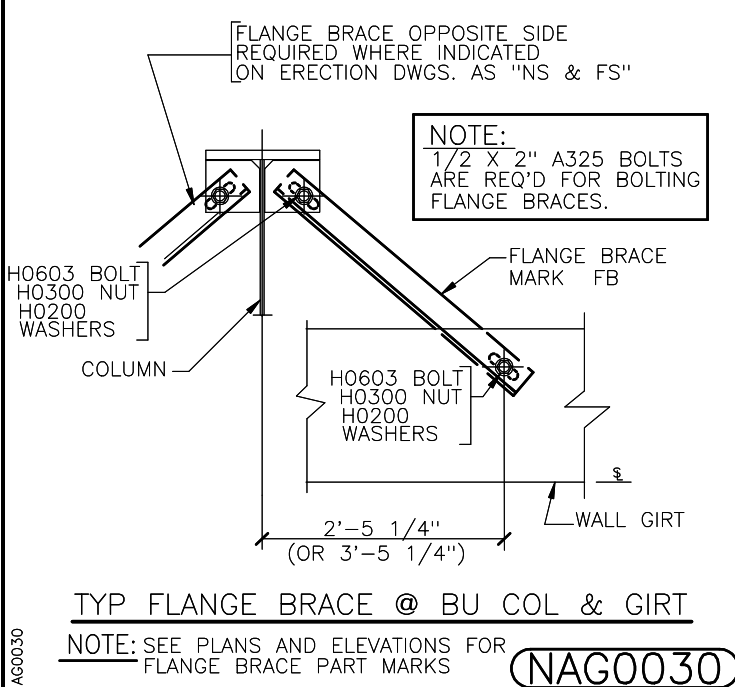
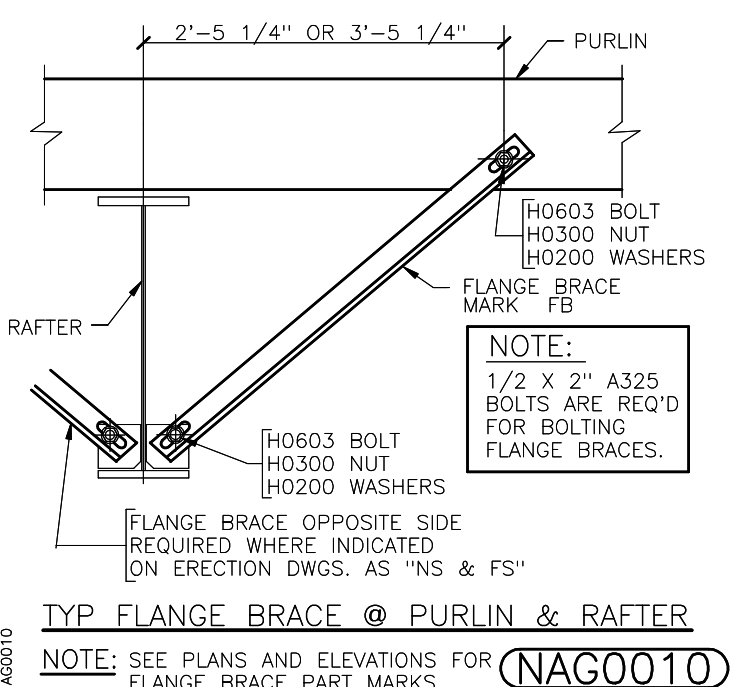
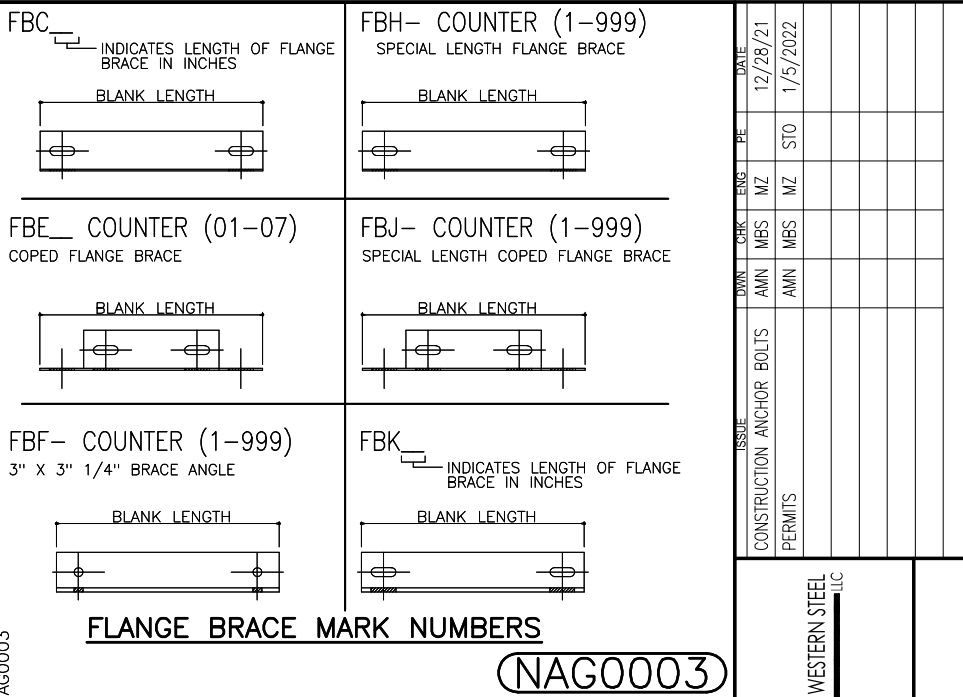
WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED. FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON, AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF THE MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

**TYPICAL FIELD WELD REQUIREMENTS**

**NAA0040**



DATE: 12/28/21  
PE: MZ  
ENG: MZ  
CHK: MZ  
MBS: MZ  
STO: MZ  
TWN: ANN  
ANN: ANN  
CONSTRUCTION ANCHOR BOLTS  
PERMITS

AMERICAN WESTERN STEEL LLC

**AWW**

PROJECT NAME: GUTEN CO. REV 1  
215 DAWSON STREET, SAN ANTONIO, TX 78202

CUSTOMER NAME: 215 DAWSON STREET  
SAN ANTONIO, TX 78202

JOB NUMBER: E21T0750A

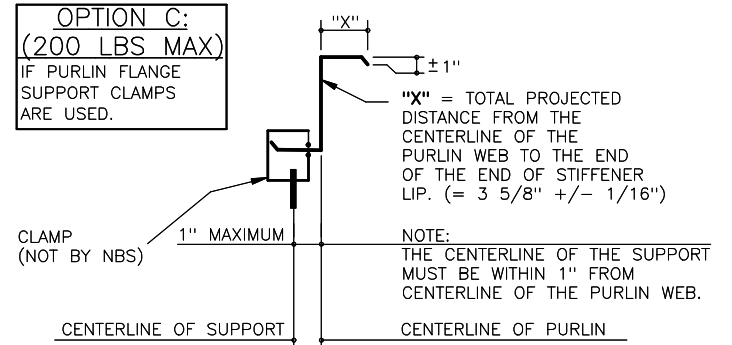
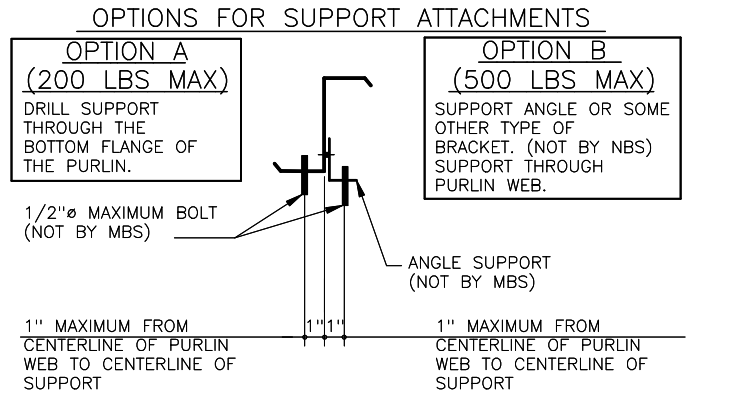
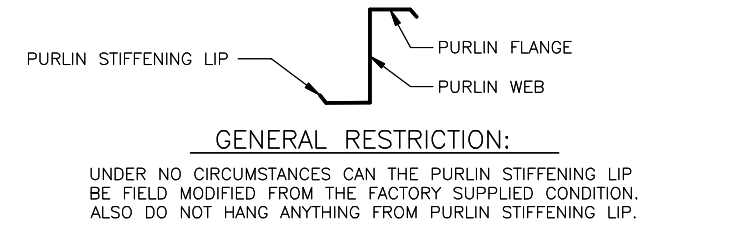
SHEET TITLE: D5 of 7

STATE OF TEXAS  
SAMUEL TRAVIS OLIVER  
137331  
01/06/2022  
PROFESSIONAL ENGINEER

This seal pertains only to the registration of Samuel Travis Oliver as a Professional Engineer in the State of Texas. The drawings and the seal are the property of the Seal Holder. The registered professional engineer whose seal appears on these drawings is employed by the Seal Holder. The Seal Holder does not serve as or represent the project engineer of record and shall not be construed as such.

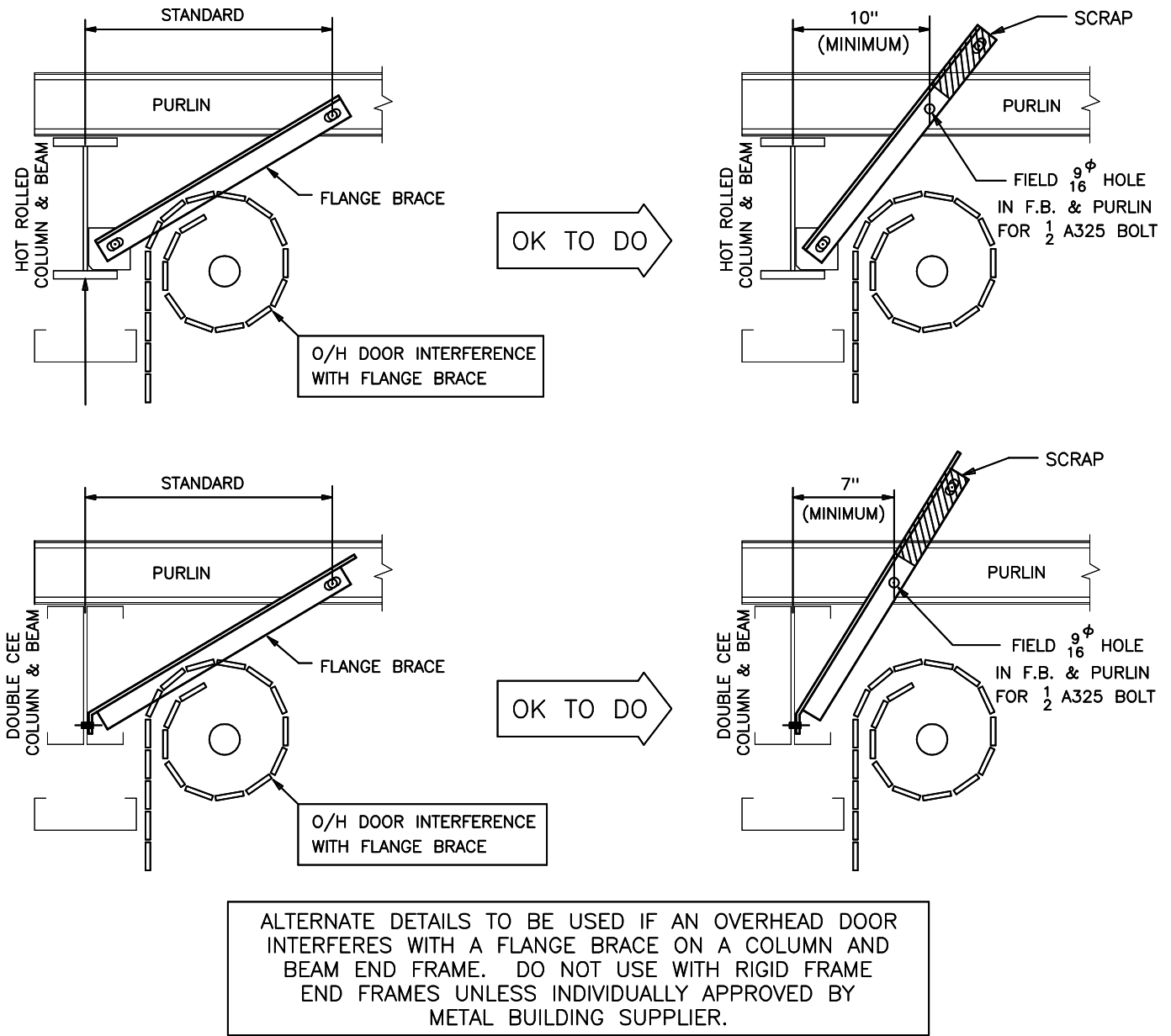


COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC. ARE SUSPENDED FROM ROOF MEMBERS, CONSULT ENGINEER OF RECORD IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL) OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.



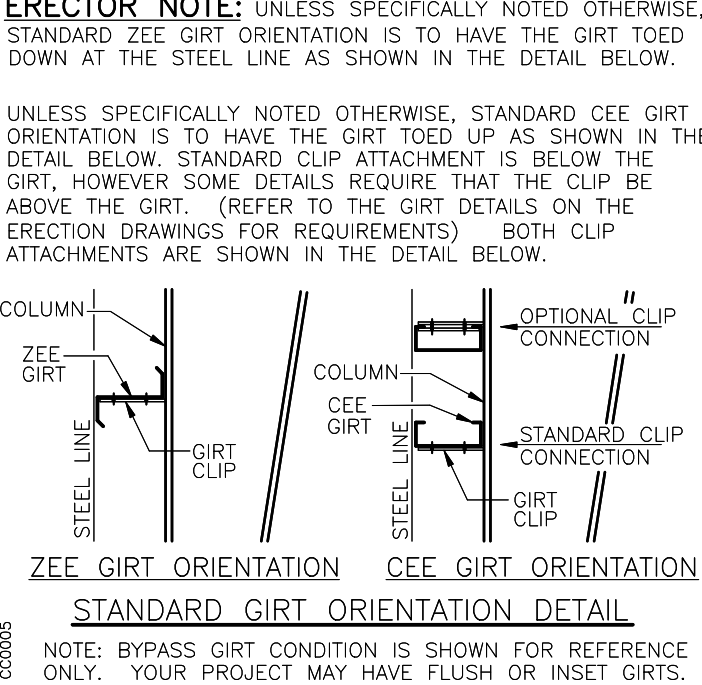
PURLIN SUPPORT METHODS

STANDARD FASTENER SCHEDULE		
<b>H1000</b> SELF-TAPPING SCREW (GOOF SCREW) 17-14 x 1 1/4" WITH WASHER LONG LIFE FASTENER 3/8" HEAD	<b>H1042</b> SELF-DRILLING SCREW 12-14 x 7/8" TCP3 W/O WASHER 5/16" HEAD	<b>H1070</b> SELF-DRILLING SCREW 12-24 x 1 1/2" TCP5 W/O WASHER 5/16" HEAD 1/2" THK MAX DRILLING CAPACITY
<b>H1020</b> SELF-DRILLING SCREW 1/4-14 x 1 1/4" TCP3 W/O WASHER 5/16" HEAD 3/16" THK MAX DRILLING CAPACITY	<b>H1045</b> SELF-DRILLING SCREW 12-14 x 2" TCP3 W/O WASHER 5/16" HEAD	<b>H1100</b> 1/8" x 3/16" STAINLESS STEEL BLIND POP RIVET
<b>H1030</b> SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	<b>H1047</b> SELF-DRILLING SCREW 12-14 x 2" TCP3 FLAT TOP WITH WASHER 5/16" HEAD	<b>H1110</b> 3/8" STAINLESS GROMMET FASTENER
<b>H1035</b> SELF-DRILLING SCREW 12-14 x 1 1/2" TCP2 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	<b>H1050</b> SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 WITH WASHER LONG LIFE FASTENER 5/16" HEAD	<b>H1220</b> SELF-DRILLING SCREW 12-14 x 1" TCP3 W/O WASHER PHILLIPS HEAD
<b>H1040</b> SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 W/O WASHER 5/16" HEAD	<b>H1060</b> SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 W/O WASHER 5/16" HEAD	<b>PRE-DRILL DIAMETERS</b>
<b>H1041</b> SELF-DRILLING SCREW 12-14 x 1 1/4" TCP2 FLAT TOP WITH WASHER 5/16" HEAD	<b>H1061</b> SELF-DRILLING SCREW 1/4-14 x 7/8" TCP1 FLAT TOP WITH WASHER 5/16" HEAD	3/16" FOR: H1020, H1070
		5/32" FOR: H1030, H1035, H1040, H1041, H1042, H1045, H1047, H1220
		1/8" FOR: H1050, H1060, H1061



ALTERNATE COLUMN & BEAM FLANGE BRACE CONNECTION WHEN DOOR INTERFERENCE IS PRESENT

(REFER TO CROSS SECTIONS & ELEVATIONS FOR PART NUMBERS)



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CUSTOMER NAME	215 DAWSON STREET, SAN ANTONIO, TX 78202
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SHEET TITLE	E21T0750A

DATE  
12/28/21  
1/5/2022

PE  
MZ  
STO

ENG  
MZ

CRK  
MBS

DWN  
AMN

ISSUE  
CONSTRUCTION ANCHOR BOLTS  
PERMITS

AMERICAN WESTERN STEEL

AWW

STATE OF TEXAS

SAMUEL TRAVIS OLIVER

137331

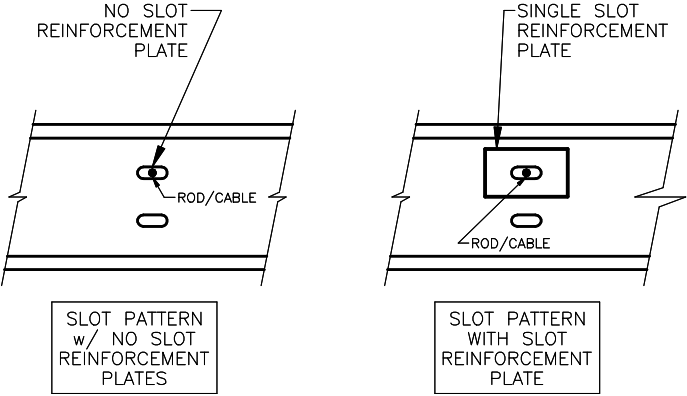
01/06/2022

PROFESSIONAL ENGINEER

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D6 of 7

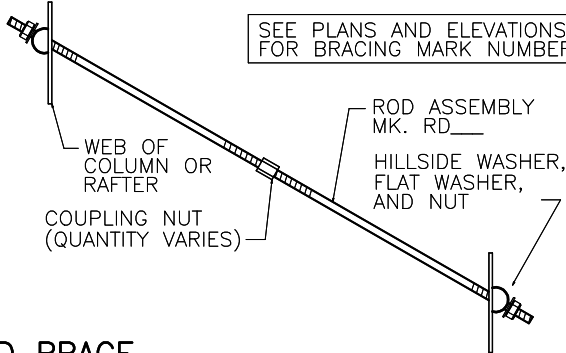
ERECTOR NOTE:  
WHEN SLOT REINFORCEMENT PLATES ARE PRESENT IN 12" COLD-FORMED MEMBERS, ROD/CABLE BRACE MUST UTILIZE REINFORCED SLOT LOCATION.



12" COLD-FORMED MEMBER

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
5/8" ø	RD05—	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" ø	RD06—	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" ø	RD07—	(2) H0930	(2) H0230	(2) H0325	H0830
1" ø	RD08—	(2) H0960	(2) H0240	(2) H0330	H0840
1 1/8" ø	RD09—	(2) H0960	(2) H0250	(2) H0450	H0850
1 1/4" ø	RD10—	(2) H0960	(2) H0260	(2) H0340	H0860

SEE PLANS AND ELEVATIONS FOR BRACING MARK NUMBERS



ROD BRACE

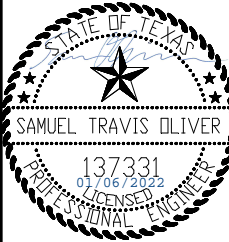
WEB TO WEB

Q3

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and signatures of the Seal of the State of Texas  
Manufacture. The drawings and the seal  
product of the Seal of the State of Texas  
Manufacture. The registered professional engineer whose  
seal appears on these drawings is  
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Manufacture and does not serve as or  
represent the project engineer of record and  
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SHEET

D7 of 7

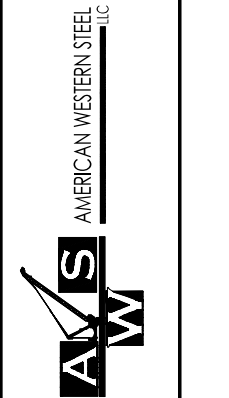


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CUSTOMER NAME  
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SAN ANTONIO, TX 78202

JOB NUMBER  
E21T0750A

SHEET TITLE



ISSUE	DWN	CHK	ENG	PE	DATE
CONSTRUCTION ANCHOR BOLTS	AMN	MBS	MZ		12/28/21
PERMITS	AMN	MBS	MZ	STO	1/5/2022