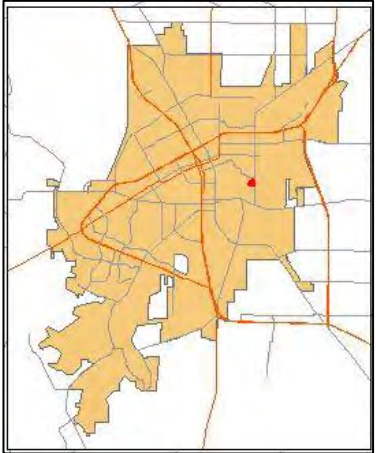


**DESIGN AND HISTORIC REVIEW COMMISSION – MAY 19, 2022
STAFF REPORT**



APPLICATION TYPE:		CASE:	
River Corridor Review		RC22-06: 1028-1040 Holiday Drive	
SYNOPSIS:			
<p>The applicant has applied to the Design and Historic Review Commission (DHRC) for a River Corridor District Overlay Zone approval for four new, two-story townhomes. The townhomes will have a combination of different building materials. The first floor will have EIFS facades with stone around the entryways and painted metal garage doors. The second floor will have a combination of board-and-batten and cedar siding, and the roof will be constructed of composite shingles.</p>			
LOCATION:		LEGAL DESCRIPTION:	
Southwest of S. Bell. St. and South Concho Park Drive		Holiday Terrace Replat, Section 1, Block 2, Lots 1-4	
SM DISTRICT / NEIGHBORHOOD:	ZONING:	FUTURE LAND USE:	SIZE:
SMD District #3 – Harry Thomas Glenmore Neighborhood	RM-1	Downtown	0.25 ac.
THOROUGHFARE PLAN:			
<p>Holiday Drive – Urban Local Street, required: 50’ ROW, 40 paved or 36’ paved with a 4’ sidewalk; provided: 50’ ROW, 40 paved. S. Concho Park Drive – Urban Local Street, required: 50’ ROW, 40 paved or 36’ paved with a 4’ sidewalk; provided: variable ROW, 28 paved (pre-existing).</p>			
STAFF RECOMMENDATION:			
Staff recommends APPROVAL of RC22-06, subject to two Conditions of Approval.			
PROPERTY OWNER/PETITIONER:			
<i>Owner and Petitioner:</i> Bryan Benson, Clearview Custom Homes			
STAFF CONTACT:			
Jeff Fisher, AICP Chief Planner (325) 657-4210, Ext. 1550 jeff.fisher@cosatx.us			

RC22-09 Analysis:

River Corridor Master Development Plan (RCDMP)

Section 212.D.1.a of the Zoning Ordinance requires that “construction of any part of a structure, canopy, or awning visible from a public right-of-way” requires approval from the Design and Historic Review Commission (DHRC). All improvements shall also be consistent with the respective design guidelines of the River Corridor Master Development Plan (River Corridor Plan) for Multi-Family Housing in Newer Neighborhoods.

Building Mass and Scale

The respective policies state that “multi-family housing should incorporate a variety of different building forms within one project”, and “building forms should include façade shifts and articulation, as well as varied building materials and colors, in order to avoid mirror-image duplications of the same building or ends of the same building.” Staff believes that the applicant’s plans satisfy these policies. The applicant has used five different façade materials consistent the first policy above (stone, metal, EIFS, cedar siding, and board-and-batten siding on the two-story homes. The colors are a mix of earth tones that will blend in with the River Corridor (see below). Staff also believes that the combination of different colors and materials, along with articulation using traditional stone elements and hanging light fixtures provides a creative building form.

Colors and Materials

The policies recommend “building materials that convey a sense of permanence and quality are appropriate and encouraged” and “the palette of colors used should complement the architectural theme and harmonize with the colors of the natural materials used”. The materials used are quality construction materials and can be found on other homes abutting the River in San Angelo. The stone around the front door and EIFS around the garage will provide differentiation from the existing townhomes to the east which use a brick façade on the first floor. Staff also believes the color choices are appropriate for the townhomes in which the rear of the homes will face the River Corridor. The garage doors and trim elements will use black fox, which is a dark bronze tone. The front wood doors will be painted black and the rear fiberglass doors will have black trim. The 1st floor EIFS will be Greek Villa or Natural Choice, both crème shades and the second floor siding will be Illusive Green, an earth tone color that will complement the River Corridor and natural vegetation surrounding the properties. Finally, the black metal wall sconce lights will provide an attractive entry feature.

Recommendation:

Staff’s recommendation is for the Design and Historic Review Commission to **APPROVE** RC22-06, **subject to the following two Conditions of Approval:**

1. The colors, dimensions, and materials of all improvements shall be consistent with the renderings approved by the Design and Historic Review Commission. Minor deviations may be approved by the Planning and Development Services Director.
2. The applicant shall obtain all required permits from the Building Permits and Inspections Division.

Attachments:

Aerial Map

Photos

Site Plan

Color and Material Rendering

Material Samples

Application



River Corridor Overlay Zone

RC22-06: 1028-1040 Holiday Drive


Council District: Harry Thomas - District 3

Neighborhood: Glenmore

Scale: 1" approx. = 100 ft

1028-1040 Holiday Drive

Legend

- Subject Properties: 
- Current Zoning: **CBD**
- Requested Zoning Change: **N/A**
- Vision: **Downtown**



Photos of Site and Surrounding Area

LOOKING EAST (SUBJECT PROPERTY TO RIGHT)



NEW TOWNHOMES UNDER CONSTRUCTION
(1012-1024 HOLIDAY DRIVE)



EXISTING TOWNHOMES (1002-1008 HOLIDAY DR)



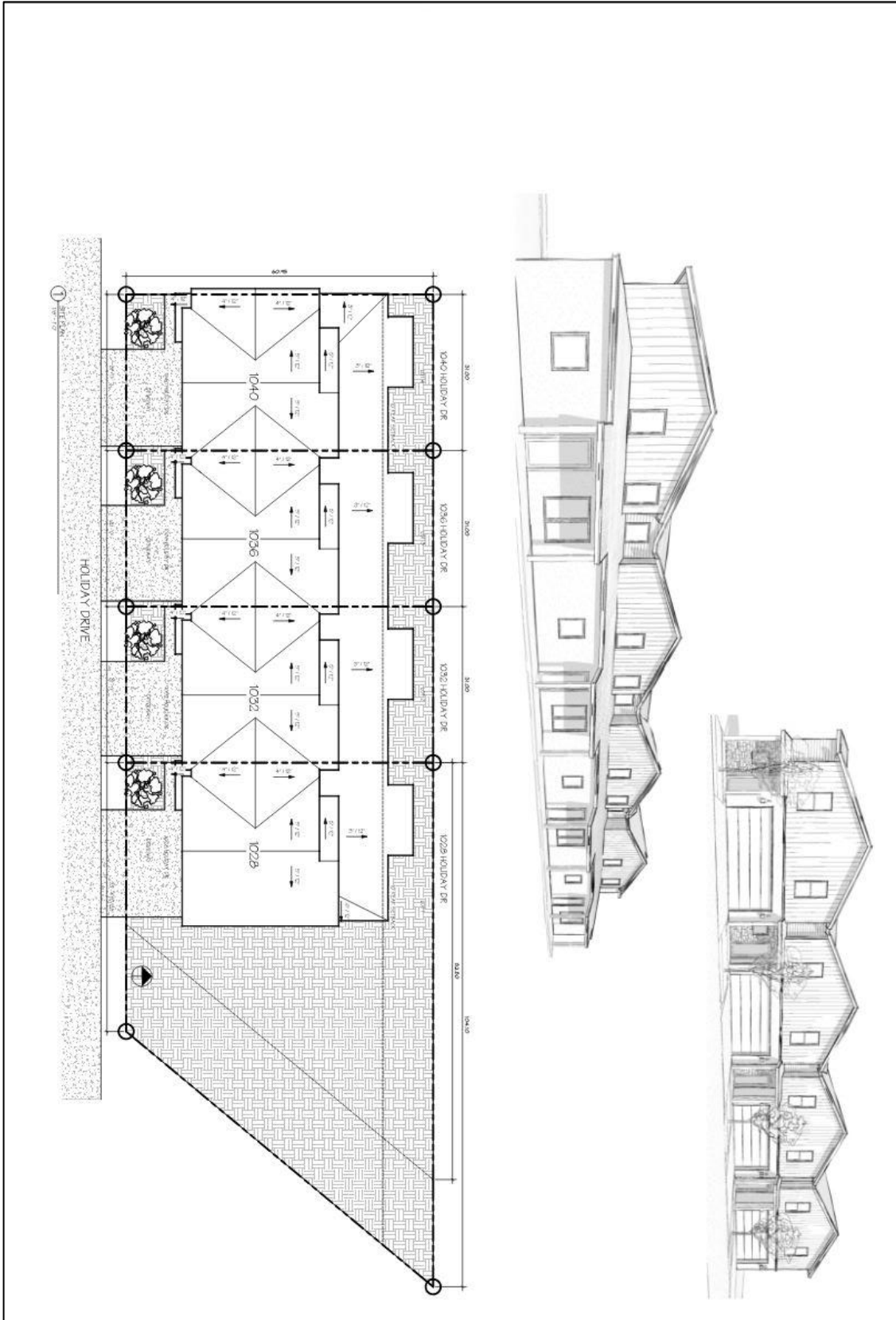
LOOKING WEST TOWARDS S. BELL ST.



VIEW FROM BEHIND HOMES LOOKING TOWARDS RIVER



Site Plan



Material Samples

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1255 Single-Hung Window

It is simple to replace the vinyl single-hung windows in your home. Single-hung replacement vinyl window option to your window shopping experience. Our practical single-hung window is one of the best single-hung vinyl windows on the market today.

Our 1255 vinyl single-hung replacement window offers crafted features that combine energy efficiency. A closer look reveals details like a full-length lift rail and metal reinforcement rail, resulting in a cost-conscious replacement window ideal for any renovation project.





Lights:

Hooverwall
1-Light Black Integrated LED Outdoor Square Wall Lantern Sconce with Dusk to Dawn Sensor

★★★★★ (10) [Questions & Answers \(30\)](#)



Effective January 3, 2017

	City of San Angelo, Texas – Planning Division 52 West College Avenue Application for River Corridor Review	
Section 1: Basic Information		
Name of Applicant(s): <u>Clearview Custom Homes</u>		
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Representative (Notarized Affidavit Required)		
<u>4264 S Jackson</u>	<u>San Angelo TX</u>	<u>76903</u>
<small>Mailing Address</small>	<small>City State</small>	<small>Zip Code</small>
<u>325.234.0085</u>	<u>bryan@clearviewcustomhomes.com</u>	
<small>Contact Phone Number</small>	<small>Contact E-mail Address</small>	
<u>1024-1038 Holiday</u>	<u>San Angelo TX</u>	<u>76903</u>
<small>Subject Property Address</small>	<small>City State</small>	<small>Zip Code</small>
<u>.0110, Lot 1, Blk 2, Subd: Holiday Terrace (Replat) Sec 1</u>		
<small>Legal Description (can be found on property tax statement or at www.tomgreencad.com)</small>		
Zoning: <u>rm-1</u>		
Section 2: Site Specific Details		
Proposed Work:		
<input checked="" type="checkbox"/> New construction in the Corridor over 1200 square feet. <input type="checkbox"/> Remodeling the exterior of an existing building in the Corridor. <input type="checkbox"/> Moving of an existing building to a lot within the Corridor. <input type="checkbox"/> Signs over 50 square feet in the Corridor. <input type="checkbox"/> Request for subdivision approval of any kind within the Corridor. <input type="checkbox"/> Illuminated sign in the Corridor (any size)		
Specific details of request: "use separate attachment if necessary" _____		

Effective January 3, 2017

Section 2 continued: Site Specific Details

Explain why and how you think the proposed work is necessary and/or consistent with the character of the River Corridor: New construction
that will be eye catching and look good with natural colors and blend in with the river.

Section 3: Applicant(s) Acknowledgement
(By checking the boxes you indicate that you understand below regulations)

- On administrative applications, the Director makes the final decision, appeals may be directed to the Design and Historic Review Committee.
- On other applications the Design and Historic Review Committee makes the final decision, appeals may be directed to the City Council.
- Approval of this request does not constitute approval of permits, site plans, or other processes that require separate approval.
- Any changes to the design made after this approval may require a second approval by the Manager and/or the Commission.
- The decision of the Commission may be appealed to the City Council.
- Proposed construction into a public right-of-way may require additional approvals.
- Buildings on historical landmarks or district also require a Certificate of Appropriateness.

I/We the undersigned acknowledge that the information provided above is true and correct.


Signature of licensee or authorized representative

5-3-22
Date

Bryan Benson
Printed name of licensee or authorized representative

Clearview Custom Homes
Name of business/Entity of representative

FOR OFFICE USE ONLY:

- Description/photograph of site Sketches, plans, sketches of work Sample(s) of materials to be used
- Verified Complete Verified Incomplete

Case No.: RCC _____ -- _____ Related Case No.: _____ -- _____ Date Related case will be heard: _____

Nonrefundable fee: \$ _____ Receipt #: _____ Date paid: ____/____/____

Reviewed/Accepted by: _____ Date: ____/____/____

**DESIGN AND HISTORIC REVIEW COMMISSION – MAY 19, 2022
STAFF REPORT**



APPLICATION TYPE:		CASE:	
Downtown District Review		DD22-19: 24 E. College Avenue	
SYNOPSIS:			
<p>The applicant has applied to the Design and Historic Review Commission (DHRC) for a Downtown District Overlay Zone approval for a new 115-foot tall, high grade steel monopole telecommunication tower with related equipment. The tower will be a light gray color to blend in with surrounding buildings and the sky. It will be co-locatable. The applicant also plans to erect a 7' brick masonry fence around the tower for screening and security. All structures will be located within a 907-sq. ft. leased area at the northeast corner of the property which is being used as a parking lot for First Christian Church.</p>			
LOCATION:		LEGAL DESCRIPTION:	
Northeast of N. Chadbourne St. and E. College Ave.		San Angelo Addition, Block 43, Lots 4-6 and the west 25' of Lots 1-3; and Miles Acre Lots Addition, the south 100' of Block 8 and 8 ¼ and the south 100' of the east part of Lot 7	
SM DISTRICT / NEIGHBORHOOD:	ZONING:	FUTURE LAND USE:	SIZE:
SMD District #3 – Harry Thomas Downtown Neighborhood	CBD	Downtown	0.828 ac.
THOROUGHFARE PLAN:			
<i>E. College Avenue</i> – Urban Local Street, required: 50' ROW, 40 paved or 36' paved with a 4' sidewalk; provided: 56' ROW, 50 paved with 4' sidewalks on both sides of street.			
STAFF RECOMMENDATION:			
Staff recommends APPROVAL of DD21-19, subject to three Conditions of Approval.			
PROPERTY OWNER/PETITIONER:			
<p><i>Owner:</i> First Christian Church <i>Petitioner:</i> Mr. Dane Wilkins, Vincent Gerard & Associates</p>			
STAFF CONTACT:			
<p>Jeff Fisher, AICP Principal Planner (325) 657-4210, Ext. 1550 jeff.fisher@cosatx.us</p>			

DD21-19 Analysis:

Zoning Ordinance: The Zoning Ordinance exempts telecommunication facilities located in the Central Business District (CBD) from the development standards and setbacks outlined in Section 426. However, the tower and related facilities are still required to meet the general CBD development standards, a 25-foot front yard setback (no side or rear setback but Permitting may require additional setbacks at time of permitting). The fenced area which will contain the tower and equipment is 195 feet from the front of the property at East College Avenue, in compliance with the CBD setback requirement. ***The telecommunication facility will require a Conditional Use approval from the Planning Commission as required by the Zoning Ordinance.***

River Corridor Master Development Plan (RCDMP)

Section 212.D.1.a of the Zoning Ordinance requires that “all telecommunication towers and facilities 35 feet in height or greater” require approval from the Design and Historic Review Commission (DHRC). All improvements shall also be consistent with the respective design guidelines of the River Corridor Master Development Plan (River Corridor Plan) for Commercial Use Outside of the Historic City Center.

Site Design and Layout

The respective policies state that “development should relate to the site’s setting, considering impacts and enhancements to natural features and important view corridors.” The site is most visible from College Avenue and the applicant has located the new tower and equipment along with screening wall at the far northeast of the property. As indicated, this will be 195’ back from W. College Avenue, reducing impacts and view corridors from the street. The tower will be located immediately adjacent to another parking lot for Shannon Medical and will be at least 172 feet from this property line facing North Oakes Street.

Colors and Materials

The policies recommend “light to medium colors with low reflectivity are preferred.” Staff is satisfied that the light gray color for the tower is consistent with this policy and of similar color to the building immediately to the east. The policies also state that “materials such as stone, brick, and precast concrete, cast stone and architectural metals can be combined to enrich the appearance of a building and highlight specific architectural features.” Staff believes the solid red brick masonry is appropriate and of quality construction. This red brick can be found on buildings in the immediate area including the First Christian Church building across the street. The columns will be slightly elevated to break up the wall expanse. The solid steel tower is of quality construction and typical of monopole tower design.

Recommendation:

Staff’s recommendation is for the Design and Historic Review Commission to **APPROVE** DD21-19, **subject to the following three Conditions of Approval:**

1. The colors, dimensions, and materials of all improvements shall be consistent with the renderings

approved by the Design and Historic Review Commission. Minor deviations may be approved by the Planning and Development Services Director.


2. The applicant shall obtain all required permits from the Building Permits and Inspections Division.
3. The applicant shall submit for and obtain approval a Conditional Use from the Planning Commission for the telecommunication tower and related facilities.



Attachments:

Aerial Map
Photos
Concept Plan
Elevations
Application



Downtown Overlay Zone
DD22-19: 24 E. College Avenue
Council District: Harry Thomas - District 3
Neighborhood: Downtown
Scale: 1" approx. = 125 ft
24 E. College Avenue 0.828 ac.

Legend
Subject Properties: 
Current Zoning: **CBD**
Requested Zoning Change: **N/A**
Vision: **Downtown**

Photos of Site and Surrounding Area

LOOKING NORTH TOWARDS TOWER LOCATION



PROPOSED TOWER LOCATION TOWARDS OAKES ST.



LOOKING SOUTH TOWARDS COLLEGE AVE.



LOOKING WEST TOWARDS S. BELL ST.

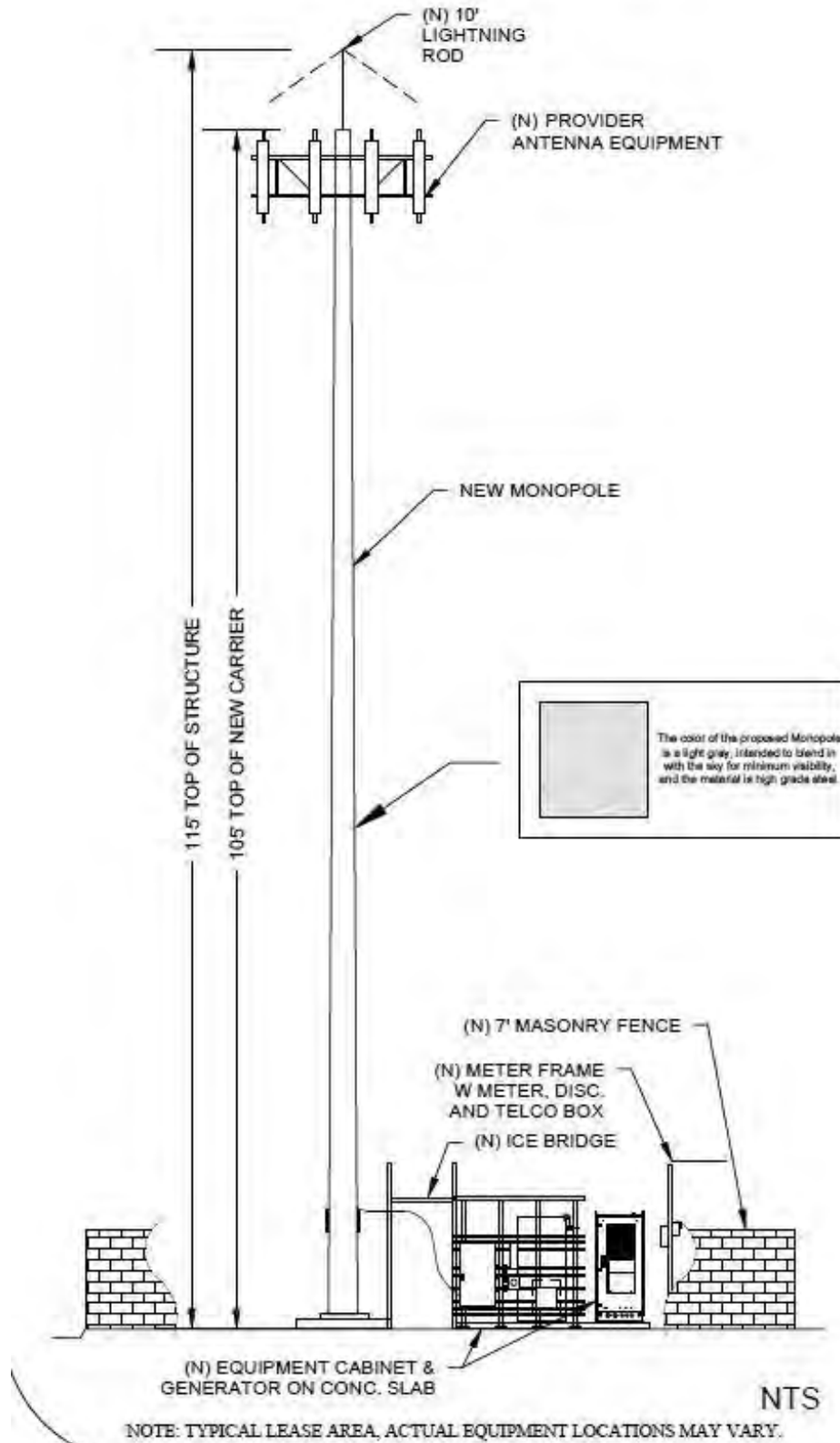


LOOKING SOUTH AT CHURCH

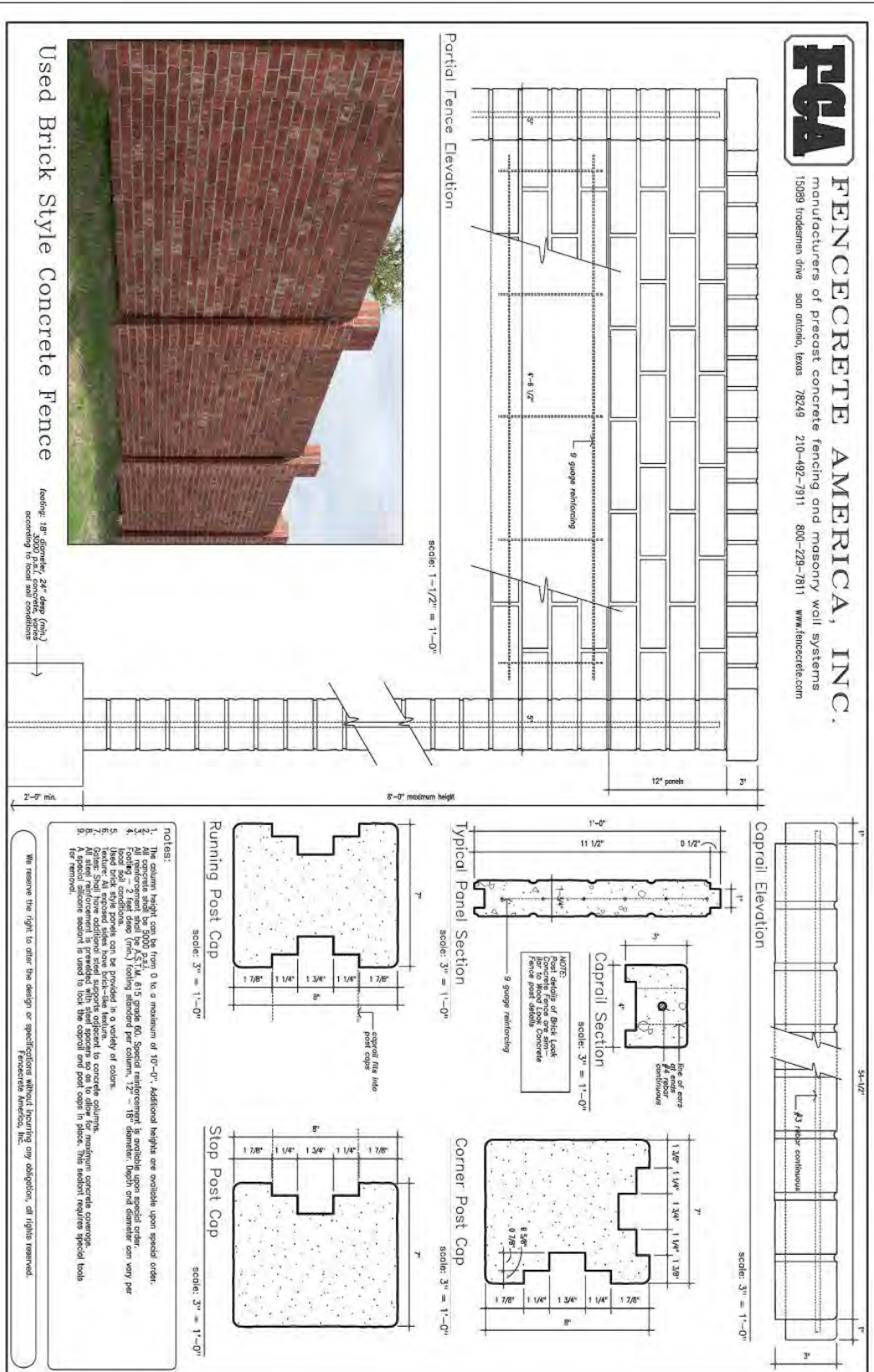


Tower Elevation

TOWER ELEVATION



7' tall screening fence



Effective January 3, 2017



City of San Angelo, Texas – Planning Division
52 West College Avenue
Application for River Corridor Review



Section 1: Basic Information

Name of Applicant(s): Dane Wilkins

Owner Representative (Notarized Affidavit Required)

1715 S. Capital of Texas Hwy #207 Austin TX 78746

Mailing Address City State Zip Code

512-328-2693 DaneW@VincentGerard.com

Contact Phone Number Contact E-mail Address

24 E. College Avenue San Angelo TX 76903

Subject Property Address City State Zip Code

Acres: 0.464, Lot 4 thru 6 & W25' of lots 1,2&3, *PARKI, Block 43 Subd: San Angelo Addition

Legal Description (can be found on property tax statement or at www.tamgreencad.com)

Zoning: CBD

Section 2: Site Specific Details

Proposed Work:

- New construction in the Corridor over 1200 square feet.
- Remodeling the exterior of an existing building in the Corridor.
- Moving of an existing building to a lot within the Corridor.
- Signs over 50 square feet in the Corridor.
- Request for subdivision approval of any kind within the Corridor.
- Illuminated sign in the Corridor (any size)

Specific details of request: "use separate attachment if necessary" See attached plans

Blank lines for additional details.

Effective January 3, 2017

Section 2 continued: Site Specific Details

Explain why and how you think the proposed work is necessary and/or consistent with the character of the River Corridor:

This is a critical wireless telecommunications facility that fills a gap in the
under served region of downtown, please reference attached Radio Frequency
maps provided, this indicates weak signal. In keeping with downtown aesthetics we have identified masonry that
is in line with the color and texture of the current downtown and river
corridor, please see our Fencecrete Diagram attached. We would prefer to use this
rather than the traditional chain link or cinder block fence's used else where in the state.

Section 3: Applicant(s) Acknowledgement
 (By checking the boxes you indicate that you understand below regulations)

- On administrative applications, the Director makes the final decision, appeals may be directed to the Design and Historic Review Committee.
- On other applications the Design and Historic Review Committee makes the final decision, appeals may be directed to the City Council.
- Approval of this request does not constitute approval of permits, site plans, or other processes that require separate approval.
- Any changes to the design made after this approval may require a second approval by the Manager and/or the Commission.
- The decision of the Commission may be appealed to the City Council.
- Proposed construction into a public right-of-way may require additional approvals.
- Buildings on historical landmarks or district also require a Certificate of Appropriateness.

I/We the undersigned acknowledge that the information provided above is true and correct.

Dane Wilkins

4/7/2022

Signature of licensee or authorized representative

Date

Dane Wilkins J. Whitten 4-5-2022

Printed name of licensee or authorized representative

Verizon Wireless c/o Vincent Gerard & Assoc.

Name of business/Entity of representative

FOR OFFICE USE ONLY:

Description/photograph of site Sketches, plans, sketches of work Sample(s) of materials to be used

Verified Complete Verified Incomplete

Case No.: DD 22 - 19 Related Case No.: _____ Date Related case will be heard: 5/19/22

Nonrefundable fee: \$ _____ Receipt #: _____ Date paid: _____

Reviewed/Accepted by: _____ Date: 4, 20, 22



STAFF REPORT

Design and Historic Review Commission: May 19, 2022

APPLICATION TYPE:		CASE:	
Downtown Design Review		DD22-20: 59 N. Koenigheim	
SUMMARY:			
A request for Downtown District approval to allow repainting and signage onto an existing building, fencing, and walk-in cooler, located at 59 N. Koenigheim Street, being 0.458 acres.			
LOCATION:		LEGAL DESCRIPTION:	
59 N. Koenigheim St., San Angelo, TX, 76903, USA		Lot: Lot: 11 THRU 13 & PT LOTS 14 & 15 "QUIZNOS", Blk: A, Subd: MILES ADDITION	
SM DISTRICT / NEIGHBORHOOD:	ZONE DISTRICT:	VISION PLAN:	SIZE:
Council District 3: Harry Thomas Downtown Neighborhood	CBD	Downtown	Acres: .458
NOTIFICATIONS:			
N/A			
THOROUGHFARE PLAN			
W. First Street: Urban Street, 50' ROW required (80' Existing), 40' pavement required (54' Existing)			
STAFF RECOMMENDATION:			
Staff recommends approval of DD22-20: 59 N. Koenigheim to allow repainting and signage onto an existing building, fencing, and walk-in cooler, subject to two conditions of approval.			
PROPERTY OWNER/PETITIONER:			
Property Owner: <i>Erik Zobel</i>			
STAFF CONTACT:			
Kyle Warren Planner (325) 657-4210, Extension 1546 kyle.warren@cosatx.us			

River Corridor Master Development Plan (RCMDP): Section 212 of the Zoning Ordinance requires the DHRC to review construction of any part of a structure visible from a public right-of-way. The proposed improvements shall be consistent with the respective design guidelines of the *River Corridor Master Development Plan (RCMDP)* for *Commercial Use outside the Historic City Center*.

- a. **Site Design and Layout:** *The goal of site planning is to take into consideration the presentation of natural amenities, existing topography, and panoramic views within the scope of placing a building or project on a site (RCMDP, 25).*

The proposed site improvements will be in character with the existing building and will be both tasteful in aesthetics and blend well with the overall downtown district.

- b. **Architectural Detail:** *Details included in the building façade should assist in reducing the visual scale of a large building (RCMDP, 26).*

The changes made to the building façade include an added sign to the front face for Zero One Ale House, which will be similar in design for the sign that was approved for their 20 W. Beauregard location (see rendering). The four window awnings will be a Sunbrella Silver color with the third to also have a 6 square foot 'Zero One Z' logo on it. The front stucco color for the building and walk in cooler will have Sherwin Williams 'Knitting Needles' (# 7672) as well as 'Peppercorn' #(7674) for the window trim. (See picture provided for color samples).

- c. **Building Materials and Color:** *High-quality durable materials are encouraged (RCMDP, 26).*

The proposed building materials are high quality durable building materials that will continue to add value to this section of downtown. The material list provided shows a wood picket fence (supported by metal posts), a wrought iron fence, and stucco.

- d. **Roofs:** *Rooflines should be varied to add visual interest in large buildings (RCMDP, 27).*

The roofline will not be altered in anyway outside of the addition to the walk in cooler addition. The addition will be 9' 6" in height and shorter than the existing roofline.

- e. **Walls and Fences:** *Walls, fences, and retaining walls should be designed to blend with the building (RCMDP, 28).*

The proposed fences will be both a tan colored wood picket fence and a black wrought iron fence with gate. The tan colored fence will also have the company's logo (a 50 and 1/3 square foot sign) facing W. First Street. The black wrought iron fence will cover the front of the existing porch cover that extends east from the building with a wrought iron gate to allow for entrance into the covered patio. (See renderings).

Recommendation: Staff's recommendation is for the **approval** of DD22-20: 59 N. Koenigheim to allow repainting and signage onto an existing building, fencing, and walk-in cooler **subject to two conditions of approval:**

1. The colors, dimensions, and materials of all improvements shall be consistent with the renderings approved by the Design and Historic Review Commission. Minor deviations may be approved by the Planning Director.
2. The applicant shall obtain all required permits from the Building Permits and Inspections Division.

Attachments:

Location Map

Location Images

Site Elevations

Colors and Materials

Location Map



DD22-20
59 N. Koenigheim
Council District: - Harry Thomas District 3
Neighborhood: Downtown
Scale: 0 0.005 0.01 0.02 0.03 0.04 Miles

Legend
Subject property: — (red line)
Current Zoning: CBD

N
THE CITY OF SAN ANGELO TEXAS

Location Images





ERIC J. JOEL
 ARCHITECT
 1000 N. KENNESAW BLVD
 SUITE 100
 KENNESAW, GA 30144
 TEL: 770.424.1111
 FAX: 770.424.1112
 www.ericjoel.com

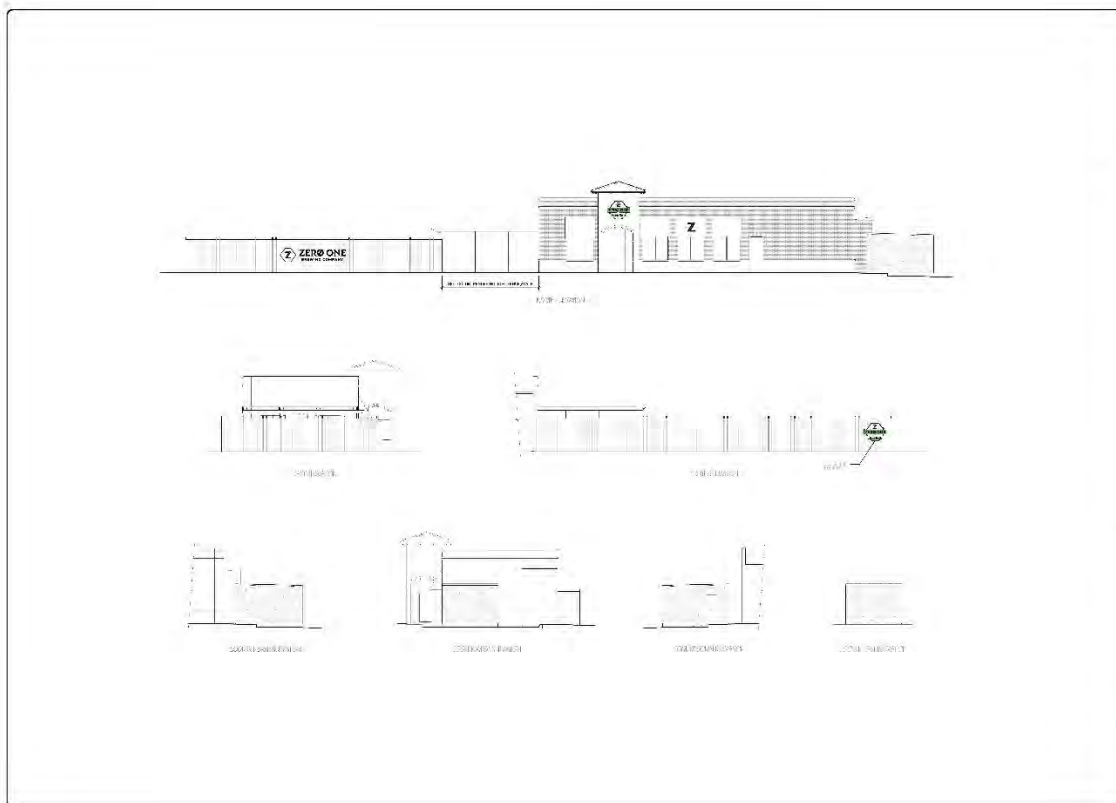
ERIC J. JOEL
 ARCHITECT

SHEET NO.
 1

PROJECT NO.
 DD22-20: 59 N. KOENIGHEIM

CLIENT
 ZERO ONE BREWING COMPANY LLC
 59 N. KOENIGHEIM
 KENNESAW, GA 30144

CHRC
 1



ERIC J. JOEL
 ARCHITECT
 1000 N. KENNESAW BLVD
 SUITE 100
 KENNESAW, GA 30144
 TEL: 770.424.1111
 FAX: 770.424.1112
 www.ericjoel.com

ERIC J. JOEL
 ARCHITECT

SHEET NO.
 3

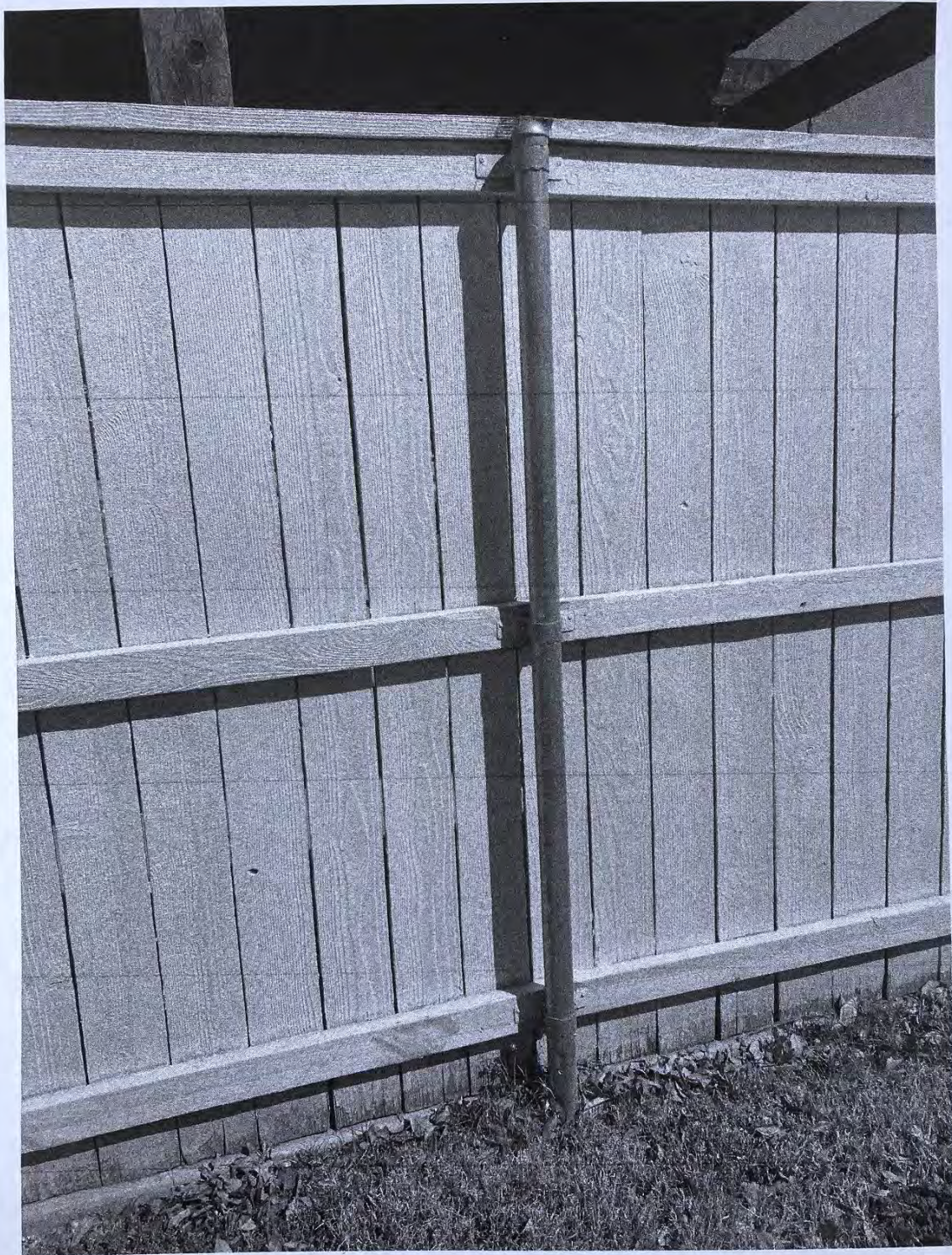
PROJECT NO.
 DD22-20: 59 N. KOENIGHEIM

CLIENT
 ZERO ONE BREWING COMPANY LLC
 59 N. KOENIGHEIM
 KENNESAW, GA 30144

CHRC
 3

Colors and Materials





FENCE DETAIL SAME AS EXISTING,
RAILS TO FACE INWARD TOWARD BEER GARDEN



**DESIGN AND HISTORIC REVIEW COMMISSION – MAY 19, 2022
STAFF REPORT**



APPLICATION TYPE:		CASE:	
Downtown District Review		DD22-21: 5 W. Concho Avenue	
SYNOPSIS:			
<p>On November 20, 2014, the owner of 1 W. Concho Avenue obtained approval from the Design and Historic Review Commission (DHRC) for exterior improvements for a new restaurant, The Angry Cactus (RCC14-13, as amended). On August 15, 2019, the applicant then obtained approval for exterior improvements for the subject building at 5 W. Concho Avenue, immediately west of the subject property (RCC19-13). These improvements included new windows and doors, wood paneling, one mounted lantern light, two projecting signs, and low-insulated glass windows. The applicant has now applied to revise RCC19-13 to expand the restaurant at 1 W. Concho Avenue into this building. The new improvements will 1) add new windows that include garage door windows that slide open, 2) a new door to the west instead of the middle, 3) two new downspout gutters, and 4) two wall sconce lights instead of a lantern light. The applicant plans to install new cedar kickplate panels under the windows as they did in the previous request.</p>			
LOCATION:		LEGAL DESCRIPTION:	
5 W. Concho Avenue, generally located 85 feet southwest of the intersection of W. Concho Avenue and S. Chadbourne Street.		Being the east part of Lot 1 and the west 3 feet, 9 inches of Lot 2 in Block 1 of the San Angelo Addition	
SM DISTRICT / NEIGHBORHOOD:	ZONING:	FUTURE LAND USE:	SIZE:
SMD District #3 – Harry Thomas Downtown Neighborhood	CBD	Downtown	0.828 ac.
THOROUGHFARE PLAN:			
W. Concho Avenue – Urban Local Street, required: 50’ ROW, 40 paved or 36’ paved with a 4’ sidewalk; provided: 100’ ROW, 74 paved with 10’ sidewalk.			
STAFF RECOMMENDATION:			
Staff recommends APPROVAL of DD22-21, subject to two Conditions of Approval.			
PROPERTY OWNER/PETITIONER:			
<p><i>Owner:</i> 1 W. Concho LLC (Lee Pfluger) <i>Petitioner:</i> Ms. Jamie Massey, Franz Architects</p>			
STAFF CONTACT:			
<p>Jeff Fisher, AICP Principal Planner (325) 657-4210, Ext. 1550 jeff.fisher@cosatx.us</p>			

DD22-21 Analysis:

River Corridor Master Development Plan (RCDMP)

Section 212.D.1.a of the Zoning Ordinance requires that “construction of any part of a structure, canopy, or awning visible from a public right-of-way” requires approval from the Design and Historic Review Commission (DHRC). All improvements shall also be consistent with the respective design guidelines of the River Corridor Master Development Plan (River Corridor Plan) for Commercial and Mixed Use Outside in the Historic City Center.

Architectural Detail

The respective policies state that “patterns and rhythms in the façade of the building can be created with recessed windows, columns, ledges, changes of materials, and other architectural features” and that the basic scale and proportion of windows “should be similar to those seen historically in the area.” The proposed building design is consistent with these policies. The applicant provides differentiation in materials and design, maintain the brick façade but adding cedar panels under the windows, metal downspouts, and new windows and doors. The windows will have a slight horizontal orientation consistent with the adjacent restaurant and other buildings in the surrounding area. They will match the same low insulated glass as the adjacent windows.

Colors and Materials

The policies state “materials and colors should relate to historic precedents apparent in the immediate environment”. Applicants should use “subtle yet rich colors rather than intense, bright colors” which should be “harmonious with those colors found on adjacent buildings.” Finally, “quality finished materials should be used.” Staff is satisfied with the color and material choices proposed by the applicant which will be generally consistent with the existing Angry Cactus restaurant next door. The red brick façade will be cleaned to match the restaurant, and the wall sconces and downspouts (dark bronze), will be painted to match the adjacent restaurant colors. The classic black color for the paneling will provide an appealing contrast from the lighter colors above and match what was previously approved. Finally, the new doors will be painted to match the existing dark bronze doors on the adjacent building.

Recommendation:

Staff’s recommendation is for the Design and Historic Review Commission to **APPROVE** DD22-21, **subject to the following two Conditions of Approval:**

1. The colors, dimensions, and materials of all improvements shall be consistent with the renderings approved by the Design and Historic Review Commission. Minor deviations may be approved by the Planning and Development Services Director.
2. The applicant shall obtain all required permits from the Building Permits and Inspections Division.

Attachments:

Aerial Map

Photos

New Renderings with Proposed Materials and Colors

Previous approved renderings for 5 W. Concho Ave. (RCC19-13)

Previous approved renderings for 1 W. Concho Ave. (RCC14-13)

Application




Downtown District Overlay Zone

DD22-21: 5 W. Concho Ave.

Council District: Harry Thomas - District 3
Neighborhood: Downtown
Scale: 1" approx. = 100 ft
5 W. Concho Avenue

Legend

Subject Properties: 
Current Zoning: **CBD**
Requested Zoning Change: **N/A**
Vision: **Downtown**



Photos of Site and Surrounding Area

SUBJECT PROPERTY – 5 W. CONCHO AVENUE



1 W. CONCHO AVENUE SOUTH ELEVATION



1 W. CONCHO AVENUE EAST ELEVATION



CORNER VIEW OF 1 W. CONCHO AVENUE



LOOKING SOUTH AT 1 AND 5 W. CONCHO AVENUE

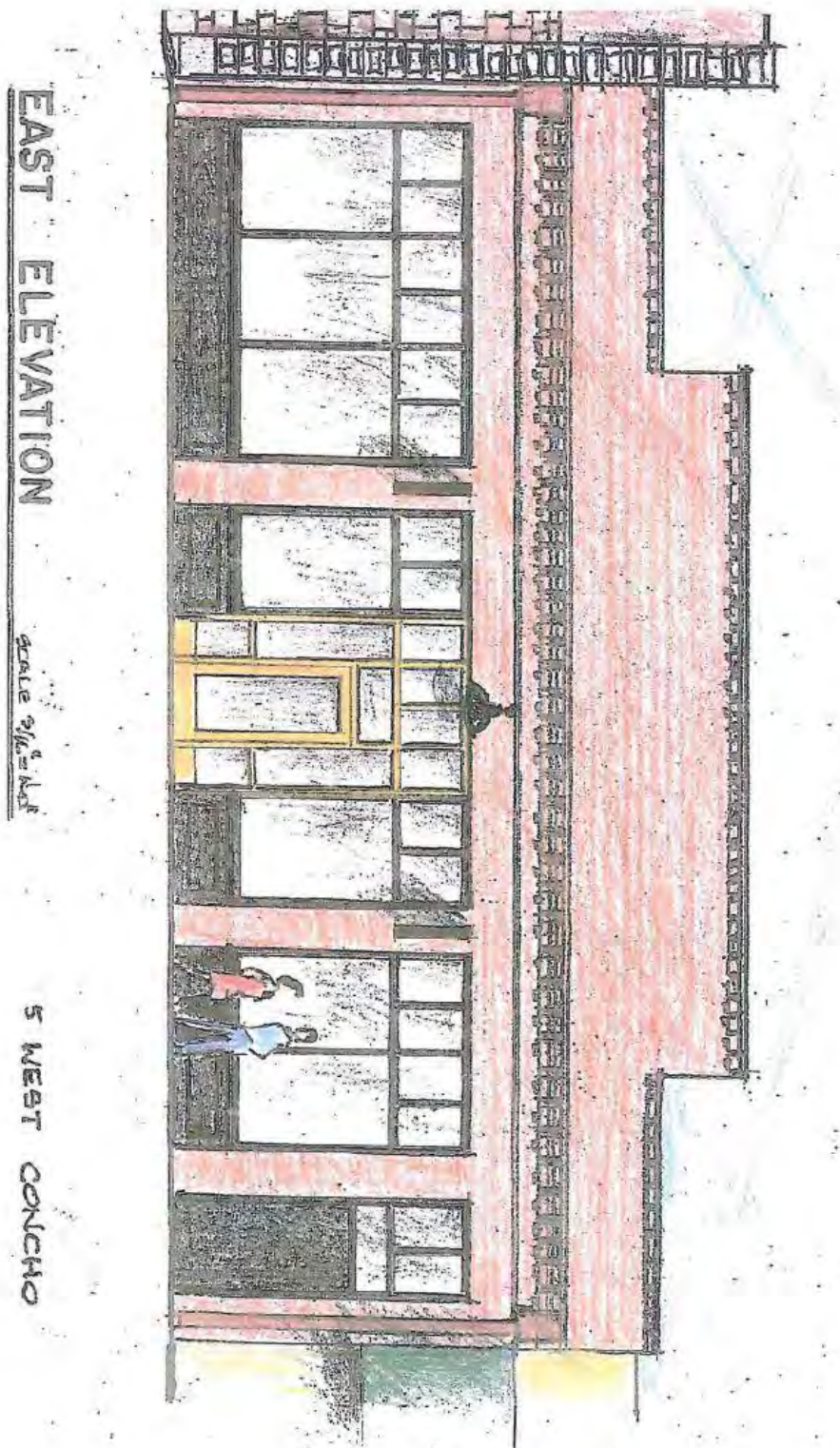


New renderings with proposed materials and colors

MATERIAL LEGEND			
	<p><u>GARAGE FRAME</u> TO MATCH ANGRY CACTUS STORE FRONT MULLIONS</p> <p><u>GLASS</u> TO MATCH ANGRY CACTUS GLASS</p> <p><u>STORE FRONT</u> TO MATCH ANGRY CACTUS STORE FRONT MULLIONS</p> <p><u>DOWNSPOUT</u> TO MATCH ANGRY CACTUS STORE FRONT MULLIONS</p> <p><u>EXISTING DOOR & FRAME</u> TO MATCH ANGRY CACTUS STORE FRONT MULLIONS</p>		<p><u>SCONCE</u> PROGRESS LIGHTING P5642-31 CYLINDER HALOGEN/INCANDESCENT FINISH: POWER COATED ANTIQUE BRONZE</p>
	<p><u>BRICK</u> EXISTING TO REMAIN</p>		<p><u>WOOD RAISE PANELING</u> SEMI-TRANSPARENT CLASSIC BLACK OIL-BASED STAIN AND POLYURETHANE FINISH</p>



Previous approved renderings for 5 W. Concho Ave. (RCC19-13)



1 W. Concho Avenue (RCC14-13 approval)



Effective January 3, 2017



City of San Angelo, Texas – Planning Division
 52 West College Avenue
Application for River Corridor Review



Section 1: Basic Information

Name of Applicant(s): Jamie Massey

Owner Representative (Notarized Affidavit Required)

4055 International Plaza, Suite 100 Fort Worth TX 76109
 Mailing Address City State Zip Code

817-737-9922 jmassey@franzarchitects.com
 Contact Phone Number Contact E-mail Address

1 W Concho Ave San Angelo TX 76903
 Subject Property Address City State Zip Code

Acres: 0.343, Lot: 21 & N 49' 5 1/2" OF THE E 100' OF LOT, Blk: B, Subd: SAN ANGELO ADDITION
 Legal Description (can be found on property tax statement or at www.tomgreencad.com)

Zoning: Central Business (CBD)/Downtown Overlay Zone

Section 2: Site Specific Details

Proposed Work:

- New construction in the Corridor over 1200 square feet.
- Remodeling the exterior of an existing building in the Corridor.
- Moving of an existing building to a lot within the Corridor.
- Signs over 50 square feet in the Corridor.
- Request for subdivision approval of any kind within the Corridor.
- Illuminated sign in the Corridor (any size)

Specific details of request: *use separate attachment if necessary* Proposing revising (3) existing fenestrations: (2) of the (3) will be storefront glazing system at the top, glass garage door at eye level, and stained cedar raised panels at the bottom. The third fenestration is also a glazing system, a glass door and stain cedar raised panels at the bottom. We are proposing 2 wall light sconces between the garage doors. We are replacing the downspouts with new. The brick will be cleaned but is existing to remain. All new finishes will be to match Angry Cactus.

Attachments:

Aerial photo, Future Land Use Plan Map, and Zoning Map
Applicant renderings and plans for solar array



STAFF REPORT

Design & Historic Review Commission: May 19, 2022

APPLICATION TYPE:		CASE:	
Certificate of Appropriateness		CA22-03: 207 S. Park St.	
SUMMARY:			
A request for approval of a Certificate of Appropriateness for the installation of a 76-panel, roof-mounted, photovoltaic solar system, for the property located at 207 S. Park St., being 0.688 acres.			
LOCATION:		LEGAL DESCRIPTION:	
207 S Park St, San Angelo, TX, 76901, USA		Lot: 1 - 3 & E50'OF LTS 10 - 12, Blk: 50, Subd: ANGELO HEIGHTS ADDITION	
SM DISTRICT / NEIGHBORHOOD:	ZONE DISTRICT:	VISION PLAN:	SIZE:
Council District 5 – <i>Karen Hesse Smith</i> Neighborhood: <i>Santa Rita</i>	RS-1	Neighborhood	0.688 acres
NOTIFICATIONS:			
N/A			
THOROUGHFARE PLAN			
Abilene Street: Local Road 50' ROW required (60' Existing), 40' pavement required (29' Existing)			
Alexander Street: Local Road, 50' ROW required (60' Existing), 40' pavement required (28' Existing)			
STAFF RECOMMENDATION:			
Staff recommends partial approval of CA22-03: 207 S. Park St. for a request to install roof-mounted solar panels to a historic structure.			
PROPERTY OWNER/PETITIONER:			
Property Owner: <i>David Harvey</i> Petitioner: <i>Shelby Guenther (Fastrac Energy Services)</i>			
STAFF CONTACT:			
Kyle Warren Planner (325) 657-4210, Extension 1546 kyle.warren@cosatx.us			

Certificate of Appropriateness: The subject property is part of the Fort Concho Historic Landmark approved by City Council on July 5, 1994 through a Historic Overlay Zone (Z94-07). All exterior new construction within a historic landmark or district shall require approval of a Certificate of Appropriateness. In considering this application, the Design and Historic Review Commission shall be guided by any specific design guidelines that may apply and, where applicable, the following from The Secretary of the Interior's Standards for the Rehabilitation of Historic Buildings.

- 1. Every reasonable effort shall be made to adapt the property in a manner which requires minimal alteration of the building, structure, object, or site and its environment.***

The installation of a roof-mounted solar array that can be seen will drastically alter the historic structure on the property. This project cannot be done in any less intensive manner, other than opting away from a roof-mounted solar array for a ground solar array.

- 2. The distinguishing original qualities or character of a building, structure, object, or site and its environment shall not be destroyed. The removal or alteration of any historic material or distinctive architectural features should be avoided when possible***

The solar array will drastically alter the historic character of the structure by introducing a non-period specific feature to the roof. There is no way the building can maintain its original quality by the introduction of this roof-mounted array as the roofline will be permanently altered in character and quality.

- 3. All buildings, structures, objects, and sites shall be recognized as products of their own time. Alterations that have no historical basis and which seek to create an earlier appearance shall be discouraged.***

The solar panel is a contemporary addition to non-historic homes that can bring environmental financial benefits. This addition, however, is not period appropriate and would greatly diminish the historical significance.

- 4. Changes which may have taken place in the course of time are evidence of the history and development of a building, structure, object, or site and its environment. These changes may have acquired significance in their own right, and this significance shall be recognized and respected.***

This home was deemed significant enough for the owner to seek for it to be designated historic by the Historical Commission. The desire to install roof-mounted solar panels in view goes directly against the intentions for the building that were solidified with the granting of a Historic Building designation.

- 5. Distinctive stylistic features or examples of skilled craftsmanship which characterize a building, structure, object, or site shall be kept where possible.***

There are no historical stylistic applications of roof-mounted solar panels that would also happen to be period specific for the structure in question. Furthermore, the roofline to this building is a key feature to its historical significance.

- 6. Deteriorated architectural features shall be repaired rather than replaced, wherever possible. In the event replacement is necessary, the new material should reflect the material being replaced in composition, design, color, texture, and other visual qualities. Repair or replacement of missing architectural features should be based on accurate duplications of features, substantiated by historical, physical, or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other buildings or structures.***

The proposal is seeking to install a modern efficiency tool at the expense of the integrity of the roofline on this historically designated home. The installation of the roof-mounted solar array will permanently alter the sightline to the roof on the historic home for the panels that can be seen. Furthermore, there is no indication that the deterioration of the roof will be altered in any significant way by the installation of the solar array.

7. *The surface cleaning of structures shall be undertaken with the gentlest means possible. Sandblasting and other cleaning methods that will damage the historic building materials should not be undertaken.*

There are no indications to require surface cleaning of any surfaces in any way, shape, or form.

8. *Every reasonable effort shall be made to protect and preserve archaeological resources affected by, or adjacent to, any project.*

There are no indications to install that archaeological resources will be affected or involved in any way, shape, or form.

9. *Contemporary design for alterations and additions to existing properties shall not be discouraged when such alterations and additions do not destroy significant historical, architectural, or cultural material, and such design is compatible with the size, scale, color, material, and character of the property, neighborhood, or environment.*

The proposal to install modern roof-mounted solar panels to this historic home, that can be seen, does not satisfy the requirements found in this review for a Certificate of Appropriateness. There is no intention to modify the solar panels to be fit as period-specific or to deter from a contemporary form whatsoever.

10. *Wherever possible, new additions or alterations to buildings, structures, objects, or sites shall be done in such a manner that if such additions or alterations were to be removed in the future, the essential form and integrity of the building, structure, object, or site would be unimpaired.*

The installation of a roof-mounted solar panel structure will leave repairable damage to the roof of this historic home. The damages will be able to be repaired at the time of removal of the solar panels. The main concern is with the alteration the permanent obstruction to the sight line on the roofline of this historic home for the existing panels that can be seen.

Recommendation:

Staff's recommendation is for the Design and Historic Review Commission to partially **approve** the request for a Certificate of Appropriateness for the installation of a roof-mounted solar array at the subject property 207 S. Park St., being 0.688 acres. Following three (3) conditions:

1. That the approved solar panels be mostly if not completely out of sight at street level.
2. That the approved solar panels meet all obligations of the DHRC.
3. That the owner obtain all appropriate building permits for the solar panels.

Attachments:

Aerial photo, Future Land Use Plan Map, and Zoning Map
Applicant renderings and plans for solar array




CA22-03: Satellite Imagery

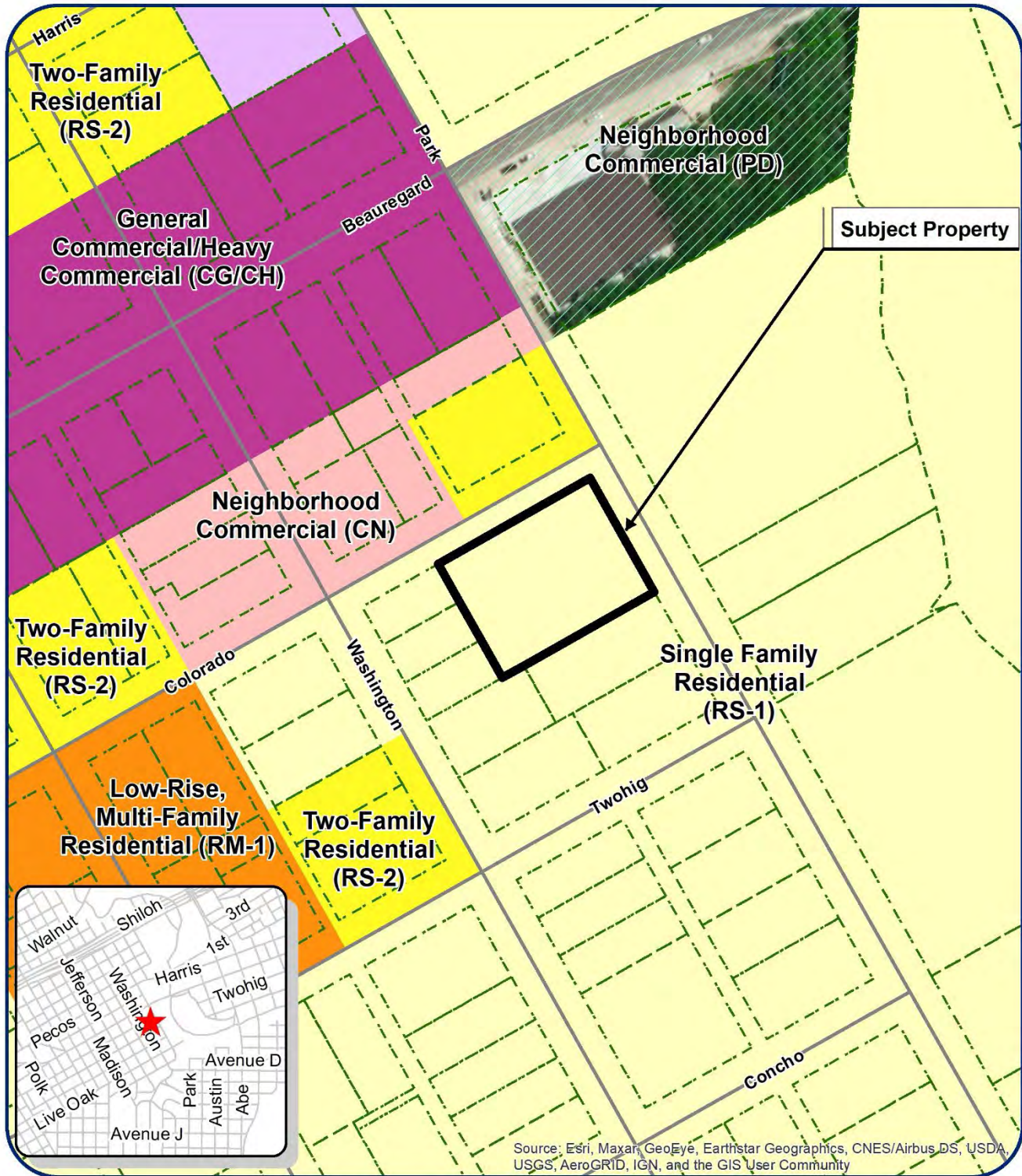
207 S. Park St.

Council District 5 - Karen Hesse Smith
Neighborhood: Santa Rita
Scale: 1" approx. = 125 ft

Legend

- Subject Properties: 
- Current Zone District: **RS-1**
- Requested Zone District: **N/A**
- Vision Plan: **Neighborhood**





CA22-03: Zone Districts

207 S. Park St.

Council District 5 - Karen Hesse Smith

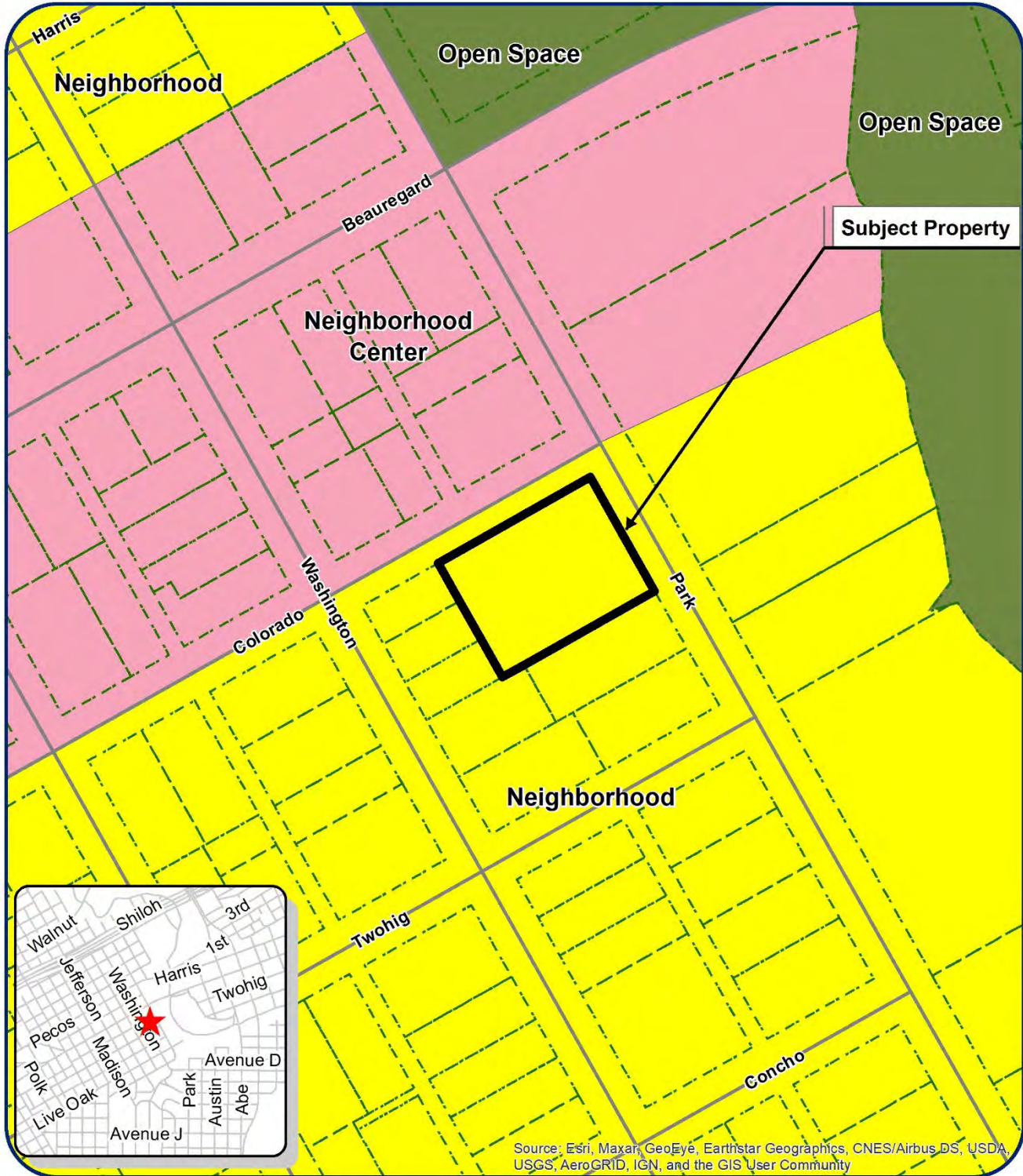
Neighborhood: Santa Rita

Scale: 1" approx. = 146 ft

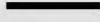
Legend

- Subject Properties:
- Current Zone District: **RS-1**
- Requested Zone District: **N/A**
- Vision Plan: **Neighborhood**





Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

<p>CA22-03: Zone Districts</p>	<p>Legend</p>		
<p>207 S. Park St. Council District 5 - Karen Hesse Smith Neighborhood: Santa Rita Scale: 1" approx. = 146 ft</p>	<p>Subject Properties:  Current Zone District: RS-1 Requested Zone District: N/A Vision Plan: Neighborhood</p>		

SPEC SHEET

Single Phase Inverter with HD-Wave Technology

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US



INVERTERS



Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetupApp
- Fixed voltage inverter for longer strings
- Integrated arc-fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified for CHUC Rule 21 grid compliance
- Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- Optional, faster installations with built-in consumption metering (1% accuracy) and production revenue grade metering (0.5% accuracy, ANSI C12.20)

solaredge.com



Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US

MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US
WATT PART NUMBER	SE3000H-XXXXXX	SE3800H-XXXXXX	SE5000H-XXXXXX	SE6000H-XXXXXX	SE7600H-XXXXXX	SE10000H-XXXXXX	SE11400H-XXXXXX

INPUT	48VDC	60VDC	72VDC	96VDC	120VDC	144VDC	168VDC	192VDC	216VDC	240VDC
Max. DC Input Power (kW)	3.00	3.84	4.80	6.24	7.68	9.60	11.52	13.44	15.36	17.28
Max. DC Input Current (A)	62.5	64	65	66	67	68	69	70	71	72
Max. DC Input Voltage (V)	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 25°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 40°C	48	60	72	96	120	144	168	192	216	240
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Max. DC Input Voltage (V) @ 355°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 370°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 385°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 400°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 415°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 430°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 445°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 460°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 475°C	48	60	72	96	120	144	168	192	216	240
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Max. DC Input Voltage (V) @ 595°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 610°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 625°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 640°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 655°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 670°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 685°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 700°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 715°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 730°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 745°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 760°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 775°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 790°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 805°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 820°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 835°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 850°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 865°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 880°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 895°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 910°C	48	60	72	96	120	144	168	192	216	240
Max. DC Input Voltage (V) @ 925°C	48	60	72	96	120	144	168	192	216	240
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Max. DC Input Voltage (V) @ 1000°C	48	60	72	96	120	144	168	192	216	240

OUTPUT	48VAC	60VAC	72VAC	96VAC	120VAC	144VAC	168VAC	192VAC	216VAC	240VAC
Max. AC Output Power (kW)	3.00	3.84	4.80	6.24	7.68	9.60	11.52	13.44	15.36	17.28
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Max. AC Output Voltage (V) @ 370°C	48	60	72	96	120	144	168	192	216	240
Max. AC Output Voltage (

SPEC SHEET

**Single Phase Inverter
 with HD-Wave Technology for North America**

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US /
 SE7600H-US / SE10000H-US / SE11400H-US

MODEL NUMBER SE3000H-US | SE3800H-US | SE5000H-US | SE6000H-US | SE7600H-US | SE10000H-US | SE11400H-US

ADDITIONAL FEATURES

Supported Connection Methods	600V, 240V, 208V, 120V, 277V, 480V, 600V, 720V, 800V, 900V, 1000V, 1200V, 1500V, 1800V, 2000V, 2400V, 2770V, 3000V, 3300V, 3600V, 3900V, 4200V, 4500V, 4800V, 5100V, 5400V, 5700V, 6000V, 6300V, 6600V, 6900V, 7200V, 7500V, 7800V, 8100V, 8400V, 8700V, 9000V, 9300V, 9600V, 9900V, 10200V, 10500V, 10800V, 11100V, 11400V, 11700V, 12000V, 12300V, 12600V, 12900V, 13200V, 13500V, 13800V, 14100V, 14400V, 14700V, 15000V, 15300V, 15600V, 15900V, 16200V, 16500V, 16800V, 17100V, 17400V, 17700V, 18000V, 18300V, 18600V, 18900V, 19200V, 19500V, 19800V, 20100V, 20400V, 20700V, 21000V, 21300V, 21600V, 21900V, 22200V, 22500V, 22800V, 23100V, 23400V, 23700V, 24000V, 24300V, 24600V, 24900V, 25200V, 25500V, 25800V, 26100V, 26400V, 26700V, 27000V, 27300V, 27600V, 27900V, 28200V, 28500V, 28800V, 29100V, 29400V, 29700V, 30000V
DC Input Voltage (V)	150V, 200V, 240V, 288V, 312V, 336V, 360V, 384V, 408V, 432V, 456V, 480V, 504V, 528V, 552V, 576V, 600V, 624V, 648V, 672V, 696V, 720V, 744V, 768V, 792V, 816V, 840V, 864V, 888V, 912V, 936V, 960V, 984V, 1008V, 1032V, 1056V, 1080V, 1104V, 1128V, 1152V, 1176V, 1200V, 1224V, 1248V, 1272V, 1296V, 1320V, 1344V, 1368V, 1392V, 1416V, 1440V, 1464V, 1488V, 1512V, 1536V, 1560V, 1584V, 1608V, 1632V, 1656V, 1680V, 1704V, 1728V, 1752V, 1776V, 1800V, 1824V, 1848V, 1872V, 1896V, 1920V, 1944V, 1968V, 1992V, 2016V, 2040V, 2064V, 2088V, 2112V, 2136V, 2160V, 2184V, 2208V, 2232V, 2256V, 2280V, 2304V, 2328V, 2352V, 2376V, 2400V, 2424V, 2448V, 2472V, 2496V, 2520V, 2544V, 2568V, 2592V, 2616V, 2640V, 2664V, 2688V, 2712V, 2736V, 2760V, 2784V, 2808V, 2832V, 2856V, 2880V, 2904V, 2928V, 2952V, 2976V, 3000V
DC Input Current (A)	10A, 15A, 20A, 25A, 30A, 35A, 40A, 45A, 50A, 55A, 60A, 65A, 70A, 75A, 80A, 85A, 90A, 95A, 100A, 105A, 110A, 115A, 120A, 125A, 130A, 135A, 140A, 145A, 150A, 155A, 160A, 165A, 170A, 175A, 180A, 185A, 190A, 195A, 200A, 205A, 210A, 215A, 220A, 225A, 230A, 235A, 240A, 245A, 250A, 255A, 260A, 265A, 270A, 275A, 280A, 285A, 290A, 295A, 300A
Rated Output (W)	3000W, 3800W, 5000W, 6000W, 7600W, 10000W, 11400W
Rated Output (kVA)	3kVA, 3.8kVA, 5kVA, 6kVA, 7.6kVA, 10kVA, 11.4kVA

STANDARD COMPLIANCE

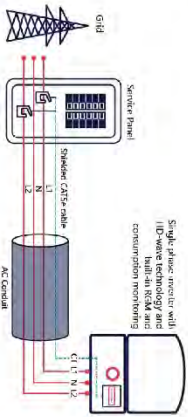
UL	UL1741, UL1741A, UL1741B, UL1741C, UL1741D, UL1741E, UL1741F, UL1741G, UL1741H, UL1741I, UL1741J, UL1741K, UL1741L, UL1741M, UL1741N, UL1741O, UL1741P, UL1741Q, UL1741R, UL1741S, UL1741T, UL1741U, UL1741V, UL1741W, UL1741X, UL1741Y, UL1741Z
IEEE	IEEE 1547, IEEE 1547.1, IEEE 1547.2, IEEE 1547.3, IEEE 1547.4, IEEE 1547.5, IEEE 1547.6, IEEE 1547.7, IEEE 1547.8, IEEE 1547.9, IEEE 1547.10, IEEE 1547.11, IEEE 1547.12, IEEE 1547.13, IEEE 1547.14, IEEE 1547.15, IEEE 1547.16, IEEE 1547.17, IEEE 1547.18, IEEE 1547.19, IEEE 1547.20, IEEE 1547.21, IEEE 1547.22, IEEE 1547.23, IEEE 1547.24, IEEE 1547.25, IEEE 1547.26, IEEE 1547.27, IEEE 1547.28, IEEE 1547.29, IEEE 1547.30, IEEE 1547.31, IEEE 1547.32, IEEE 1547.33, IEEE 1547.34, IEEE 1547.35, IEEE 1547.36, IEEE 1547.37, IEEE 1547.38, IEEE 1547.39, IEEE 1547.40, IEEE 1547.41, IEEE 1547.42, IEEE 1547.43, IEEE 1547.44, IEEE 1547.45, IEEE 1547.46, IEEE 1547.47, IEEE 1547.48, IEEE 1547.49, IEEE 1547.50, IEEE 1547.51, IEEE 1547.52, IEEE 1547.53, IEEE 1547.54, IEEE 1547.55, IEEE 1547.56, IEEE 1547.57, IEEE 1547.58, IEEE 1547.59, IEEE 1547.60, IEEE 1547.61, IEEE 1547.62, IEEE 1547.63, IEEE 1547.64, IEEE 1547.65, IEEE 1547.66, IEEE 1547.67, IEEE 1547.68, IEEE 1547.69, IEEE 1547.70, IEEE 1547.71, IEEE 1547.72, IEEE 1547.73, IEEE 1547.74, IEEE 1547.75, IEEE 1547.76, IEEE 1547.77, IEEE 1547.78, IEEE 1547.79, IEEE 1547.80, IEEE 1547.81, IEEE 1547.82, IEEE 1547.83, IEEE 1547.84, IEEE 1547.85, IEEE 1547.86, IEEE 1547.87, IEEE 1547.88, IEEE 1547.89, IEEE 1547.90, IEEE 1547.91, IEEE 1547.92, IEEE 1547.93, IEEE 1547.94, IEEE 1547.95, IEEE 1547.96, IEEE 1547.97, IEEE 1547.98, IEEE 1547.99, IEEE 1548.00

INSTALLATION SPECIFICATIONS

Mounting	Wall Mount, Rack Mount
Clearance	Top: 100mm, Bottom: 100mm, Side: 50mm
Weight	30kg, 38kg, 50kg, 60kg, 76kg, 100kg, 114kg
Dimensions	W: 100mm, H: 100mm, D: 50mm
Material	Aluminum, Steel, Copper, Silver
Finish	Black, White, Silver, Bronze, Gold, Copper, Nickel, Chrome, Stainless Steel, Titanium, Inconel, Hastelloy, Monel, Invar, Kovar, Supralloy, Incoloy, Alloy 600, Alloy 800, Alloy 900, Alloy 1000, Alloy 1050, Alloy 1100, Alloy 1200, Alloy 1300, Alloy 1400, Alloy 1500, Alloy 1600, Alloy 1700, Alloy 1800, Alloy 1900, Alloy 2000, Alloy 2100, Alloy 2200, Alloy 2300, Alloy 2400, Alloy 2500, Alloy 2600, Alloy 2700, Alloy 2800, Alloy 2900, Alloy 3000

How to Enable Consumption Monitoring

By default, the inverter does not monitor energy consumption. To enable consumption monitoring, the AC conductor connecting them to the service panel (disconnect or split bus) must have the required energy metering device installed.



FASTRAC
 ENERGY SERVICES
 LICENSE NUMBER: TECL 349338



CUSTOMER INFORMATION

NAME: DAVID HARVEY
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 31.456593, -100.450870
 APN: 011-100-0-005-000-100
 APT: TX-CITY OF SAN ANGELO
 UTILITY: AEP
 PPN NUMBER: FES-44792



INVERTER SPEC SHEET

DRAWN BY: [blank]
 QC'D BY: R. REVAH
 SCALE: AS NOTED
 DATE: 2/15/2022
 PAPER SIZE: 17x11"
 REV: A
 SS-03

SPEC SHEET

We support PV systems
Formerly Everest Solar Systems

Spice Foot XL
Patent Pending

TECHNICAL SHEET

Item Number	Description	Part Number
1	Splice Foot XL	40001501 Splice Foot XL Kit (Mtl)
2	42 Finish/Inch Body	
3	M5 x 80 Ins screws	
4	1-Booth Hex Nut-Sch	

Technical Data

Roof Type	Splice Foot XL
Material	Composition alloy
Material	Aluminum with stainless steel hardware
Finish	Mtl
Roof Connection	M5 x 80 Ins screws
Code Compliance	UL 2703
Compatibility	CrossRail 40 X 40 X 40 XL 80

k2-systems.com

We support PV systems
Formerly Everest Solar Systems

Units: [in] mm

k2-systems.com

FASTTRAC ENERGY SERVICES

LICENSE NUMBER: TECL 349238

CUSTOMER INFORMATION

NAME: DAVID HARVEY
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 ADJ: TX-CITY OF SAN ANGELO
 UTILITY: AEP
 PPN NUMBER: FES-44792

ILLUMINE I
Because quality matters

MOUNT SPEC SHEET

DRAWN BY: DAPER
 QCD BY: R. REVANAH
 SCALE: AS NOTED
 DATE: 2/15/2022

SIZE: 17"x11"
 REV: A
 SS-05

SPEC SHEET

SOLARMOUNT

UNIRAC

SOLARMOUNT defined the standard in solar racking. Features are designed to get installers off the roof faster. Our grounding & bonding process eliminates copper wire and grounding straps to reduce costs. Systems can be configured with standard or light rail to meet your design requirements at the lowest cost possible. The superior aesthetics package provides a streamlined clean edge for enhanced curb appeal, with no special brackets required for installation.



Now Featuring
THE NEW FACE OF SOLAR RACKING
 Superior Aesthetics Package



USE ALL OF THE COPPER & LUGS SMALL IS THE NEXT NEW BIG THING
 Superior Aesthetics Package
 100% Galvalume
 Enhanced Design & Layout Tools

FAST INSTALLATION. SUPERIOR AESTHETICS
 OPTIMIZED COMPONENTS • VERSATILITY • DESIGN TOOLS • QUALITY PROVIDER

SOLARMOUNT

UNIRAC

OPTIMIZED COMPONENTS

INTEGRATED BONDING & PREASSEMBLED PARTS
 Integrated bonding and pre-assembled parts reduce installation time and cost. Pre-assembled parts are pre-wired and pre-bonded, eliminating the need for copper wire and grounding straps. This reduces installation time and cost. Pre-assembled parts are also pre-drilled, eliminating the need for special brackets.

VERSATILITY

ONE PRODUCT. MANY APPLICATIONS
 One product can be used in many applications. The high strength steel and aluminum components are designed to meet the needs of a wide range of applications. This includes residential, commercial, and utility applications. The system is also designed to be used in areas with high winds and seismic activity.

DESIGN PLATFORM AT YOUR SERVICE

Design a full 3D model of your system. Our design platform allows you to create a 3D model of your system. This allows you to visualize the system and make changes as needed. The design platform also allows you to generate a bill of materials and a parts list. This makes it easy to order the parts you need for your system.



UL2703
 COMMERCIAL BUILDINGS
 SYSTEMS CLASSIFICATION



INTEGRATED BONDING



MICROCONVERTER MOUNT W/ WIRE MANAGEMENT



INTEGRATED BONDING



INTEGRATED BONDING



INTEGRATED BONDING



INTEGRATED BONDING



INTEGRATED BONDING



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INTEGRATED BONDING




FASTRAC
 ENERGY SERVICES
 LICENSE NUMBER: TECL 349338

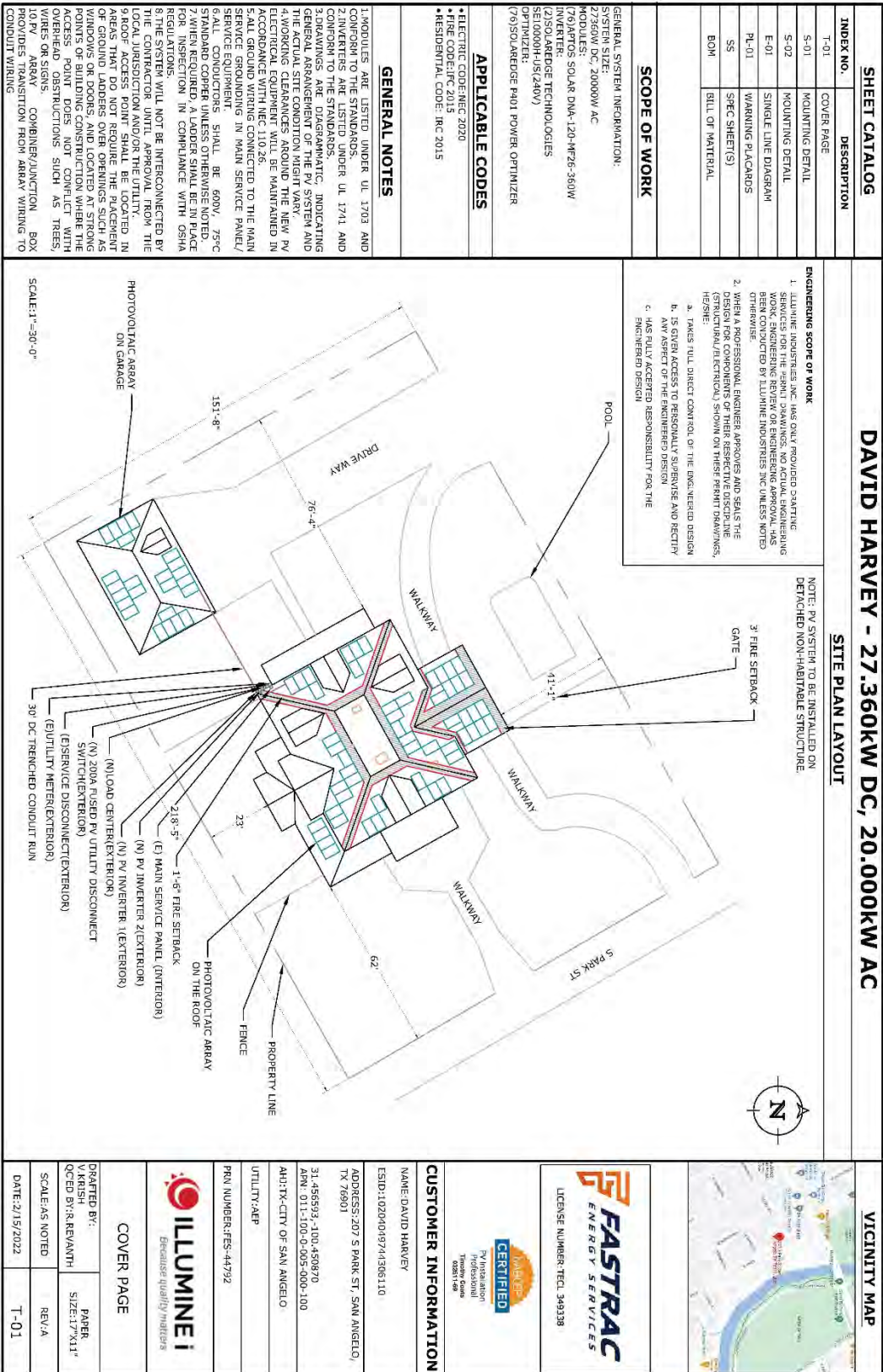


CUSTOMER INFORMATION

NAME: DAVID HARVEY	DATE: 2/15/2022
ESID: 1020604974306110	SCALE: AS NOTED
ADDRESS: 207 S PARK ST, SAN ANGELO, TX 76901	DATE: 2/15/2022
APN: 011-100-0-005-000-100	SS-08
ADJ: TX-CITY OF SAN ANGELO	
UTILITY: ACP	
PNR NUMBER: FES-44792	
ILLUMINE Because quality matters	
RAIL SPEC SHEET	
DRAWN BY: [Name]	DRAWN BY: [Name]
QC'D BY: R. REVAHATH	QC'D BY: R. REVAHATH
SCALE: AS NOTED	SCALE: AS NOTED
DATE: 2/15/2022	DATE: 2/15/2022

BOM			
DAVID HARVEY - FASTRAC ATX			
27.360KW		OUT	IN
MODULES	APTOS SOLAR DNA-120-MF26-360W	76	
INVERTER	SOLAREEDGE GSM	(2)SE-10000H-US 1/INVERTER	
OPTIMIZERS	SOLAREEDGE	SOLAREEDGE P401 POWER OPTIMIZER MICRO T-BOLTS	76
RAIL	UNIRAC LIGHT/IRXR10 UNIRAC LIGHT/IRXR10	168" UNIRAC LIGHT/IRONRIDGE 168" XR10 240/246" UNIRAC LIGHT /204" IRONRIDGE XR10	54.6
ROOF SELANT	GEOCEL	SPLICES	20
LAG BOLTS			
FLASHINGS	FLASH/BLOCK/FLANGE		
L-FEET		W/RAIL BOLTS	
K2 SPLICE FOOT XL			199
UNIRAC TILT KIT			0
RT-E		WITH (5)DECK SCREWS,HEX BOLT,FLANGE NUTS	
PROTEA BRACKETS	RAIL BOLTS,SCREWS	ONE RAIL BOLT PER BRACKET, 4 SELF TAPPING SCREWS EACH	
SSI			
GROUND LUGS			
END CLAMPS			138
MID CLAMP			86
SOLAR DECK			
ATTIC FAN			
SENSE KIT			
STANDOFF			

 <p>LICENSE NUMBER:TECL 349338</p>	
 <p>NABCEP CERTIFIED PV Installation Professional Technician Since 1998</p>	
CUSTOMER INFORMATION NAME:DAVID HARVEY ADDRESS:207 S PARK ST, SAN ANGELO, TX 76901 ESID:10206049744306110 31.456593,-100.450870 APN: 011-100-0-005-000-100 ADJ:TX-CITY OF SAN ANGELO UTILITY:ACP PPN NUMBER:FES-44792	
 <p>ILLUMINE Reduce quality matters</p>	
DRAFTED BY: PAPER CHECKED BY:R.REVANTH SCALE:AS NOTED DATE:2/15/2022	SIZE:17"x11" REV:A BOM



INSTALLATION NOTES

1. STRUCTURAL ROOF MEMBER LOCATIONS ARE ESTABLISHED AND SHOULD BE LOCATED AND VENTED TO THE EXTERIOR THROUGH THE STRUCTURE OR MECHANICAL ATTACHMENT TO THE STRUCTURE IS REQUIRED.

2. ROOF PENETRATIONS FOR SOLAR PACKING WILL BE COMPLETED AND SEALED WITH APPROVED SEWANT MEM CODE # A LICENSED CONTRACTOR. SEWANT MEM CODE # A LICENSED CONTRACTOR SHALL BE COMPLETED AND SEALED WITH APPROVED SEWANT MEM CODE # A LICENSED CONTRACTOR. SEWANT MEM CODE # A LICENSED CONTRACTOR SHALL BE COMPLETED AND SEALED WITH APPROVED SEWANT MEM CODE # A LICENSED CONTRACTOR.

3. ALL PV PACKING ATTACHMENTS SHALL BE STAGGERED BY ROW BETWEEN THE ROOF FRAMING MEMBERS AS NECESSARY.

4. THE MINIMUM CLEARANCE FROM THE ROOF FRAMING MEMBER TO THE CENTER OF THE PHOTOVOLTAIC PANEL SHALL BE 1-1/2" ABOVE THE ROOF SURFACE (INCLUDING CABLES UNDERNEATH THE PHOTOVOLTAIC PANEL).

5. THE PHOTOVOLTAIC PANEL SHALL NOT OBSTRUCT ANY PLUMBING, MECHANICAL OR BUILDING ROOF VENTS.

ROOF ACCESS PATHWAYS AND SETBACKS: JFC 605.11.1.2.1 SIZE OF SOLAR PHOTOVOLTAIC
 EACH PHOTOVOLTAIC ARRAY SHALL BE LIMITED TO 150 FEET (45 720 MM) BY 150 FEET (45 720 MM). MULTIPLE ARRAYS SHALL BE SEPARATED BY A 3-FOOT-WIDE (914 MM) CLEAR ACCESS PATHWAY.

JFC 605.11.1.2.2 HIP ROOF LAYOUTS:
 PHOTOVOLTAIC PANELS SHALL BE GROUP R-3 LOCATED IN A MANNER THAT PROVIDES A 3-FOOT-WIDE (914 MM) CLEAR ACCESS PATHWAY FROM THE EAVE TO THE RIDGE ON EACH ROOF SLOPE WHERE PANELS AND MODULES ARE LOCATED. THE PHOTOVOLTAIC PANELS SHALL BE LOCATED ON THE BUILDING CAPABLE OF SUPPORTING THE FIRE FIGHTERS ACCESSING THE ROOF.

JFC 605.11.1.2.3 SINGLE RIDGE ROOFS:
 PANELS AND MODULES INSTALLED ON GROUP R-3 BUILDINGS WITH A SINGLE RIDGE SHALL BE LOCATED WITH A MAXIMUM OF 150 FEET (45 720 MM) FROM THE EAVE TO THE RIDGE ON EACH ROOF SLOPE WHERE PANELS AND MODULES ARE LOCATED.

JFC 605.11.1.2.4 ROOFS WITH HIPS AND VALLEYS:
 PANELS AND MODULES INSTALLED ON VALLEYS SHALL NOT BE LOCATED CLOSER THAN 18 INCHES (457 MM) TO A HIP OR A VALLEY WHERE PANELS/MODULES ARE TO BE PLACED ON BOTH SIDES OF A HIP OR VALLEY. WHERE PANELS ARE TO BE LOCATED ON ONE SIDE OF A HIP OR VALLEY, THE PHOTOVOLTAIC PANELS SHALL NOT BE PERMITTED TO BE PLACED DIRECTLY ADJACENT TO THE HIP OR VALLEY.

JFC 605.11.1.2.5 ALLOWANCE FOR SMOKE VENTILATION OPERATIONS:
 PANELS AND MODULES INSTALLED ON GROUP R-3 BUILDINGS SHALL NOT BE LOCATED CLOSER THAN 18 FEET (5491 MM) FROM THE RIDGE IN ORDER TO ALLOW FOR FIRE DEPARTMENT SMOKE VENTILATION OPERATIONS.

SITE INFORMATION - WIND SPEED: 115 MPH AND SNOW LOAD: 5 PSF

SR NO	AZIMUTH	PITCH	NO. OF MODULES	ARRAY AREA (SQ. FT.)	ROOF TYPE	ATTACHMENT	ROOF EXPOSURE	FRAME TYPE	FRAME SIZE	FRAME SPACING	MAX RAIL SPAN	OVER HANG
MP-01	60°	36°	8	157.0	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-02	330°	36°	9	176.6	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-03	60°	36°	6	117.8	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-04	150°	38°	9	176.6	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-05	150°	36°	4	78.5	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-06	60°	36°	5	98.1	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-07	150°	36°	7	137.4	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-08	240°	36°	5	98.1	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-09	330°	36°	7	137.4	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-10	240°	36°	8	157.0	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"
MP-11	240°	36°	8	157.0	COMPOSITION SHINGLE	K2 SPRUCE FOOT XL	ATTIC	RAFTERS	2 X 6	2'-0"	4'-0"	1'-6"

NOTE: PENETRATIONS ARE STAGGERED

CUSTOMER INFORMATION

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 31.455593, -100.450870
 APN: 011-100-0-005-000-100
 AU: TX-CITY OF SAN ANGELO
 UTILITY: AEP
 PRN NUMBER: FES-44792

AERIAL VIEW

MOUNTING DETAIL

DATE: 2/15/2022
 SCALE: AS NOTED
 DRAWN BY: PAPER
 CHECKED BY: R. REYNATH
 SCALE: AS NOTED
 REV: A

ILLUMINE I
 Because quality matters

FASTRAC
 ENERGY SERVICES
 LICENSE NUMBER: TFCJ-349338

ELECTRICAL CALCULATIONS



CONDUIT SCHEDULE	NEUTRAL	GROUND
1 NONE	NONE	(1) 6AWG BARE COPPER
1A NONE	NONE	(1) 6AWG BARE COPPER
1B NONE	NONE	(1) 6AWG BARE COPPER
2 3/4" EMT	NONE	(1) 6AWG THHN/THWN-2
2A 3/4" EMT	NONE	(1) 6AWG THHN/THWN-2
2B 1/4" SCH 40 PVC (BELOW GROUND) 1/2" SCH 80 PVC (ABOVE GROUND)	NONE	(1) 6AWG THHN/THWN-2
3 3/4" EMT	(1) 6 AWG THHN/THWN-2	(1) 6AWG THHN/THWN-2
4 1, 1/2" EMT	(2) 1 AWG THHN/THWN-2	(1) 6AWG THHN/THWN-2

NOTE:
 MAIN PANEL RATING: 200A, MAIN BREAKER RATING: 200A
 LINE SIDE TAP: 100% ALLOWABLE BACKFEED IS = 200A

OCPD CALCULATIONS:
 INVERTER OVERCURRENT PROTECTION= INVERTER O/P 1 X CONTINUOUS LOAD(1.25)
 INVERTER O/P 200A X 1.25= 250A
 TOTAL REQUIRED PV BREAKER SIZE / FUSE SIZE => 110A PV BREAKER

CUSTOMER INFORMATION

NAME: DAVID HARVEY
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 ADDRESS: 207 S PARK ST, SAN ANGELO, TX 76901
 31.456593, -100.450870
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 ARI: TX-CITY OF SAN ANGELO
 UTILITY: AEP
 PPN NUMBER: FES-44792

ELECTRICAL CALCULATIONS

DRAWN BY: [REDACTED] PAPER SIZE: 17"x11"
 CHECKED BY: R. REVANTH
 SCALE: AS NOTED REV: A
 DATE: 2/15/2022 E-02

WARNING PLACARD

WARNING

ELECTRIC SHOCK HAZARD

TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

DC VOLTAGE IS ALWAYS PRESENT WHEN SOLAR MODULES ARE EXPOSED TO SUNLIGHT

LABEL LOCATION:
AC DISCONNECT / POINT OF INTERCONNECTION
PER CODE: NEC 690.13

WARNING: PHOTOVOLTAIC POWER SOURCE

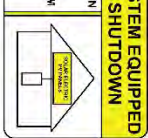
LABEL LOCATION:
CONDUIT, COMBNER BOX
PER CODE: NEC 690.31(D)(2)

PHOTOVOLTAIC AC DISCONNECT

LABEL LOCATION:
POINT OF INTERCONNECTION
PER CODE: NEC 690.13(B)

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM



SHOCK HAZARD IN THE ARRAY

LABEL LOCATION:
AC DISCONNECT, DC DISCONNECT,
POINT OF INTERCONNECTION
PER CODE: NEC 690.56(C)(1)(A)

INVERTER 1 & 2

ASSUMING 60 HZ OUTPUT CURRENT OF THE CHARGE CONTROLLER IS INSTALLED

MAXIMUM SYSTEM VOLTAGE (V)	15	A
MAXIMUM SYSTEM VOLTAGE (V)	480	V
MAXIMUM SYSTEM CURRENT (A)	30	A

LABEL LOCATION:
DC DISCONNECT
PER CODE: NEC 690.53

PHOTOVOLTAIC SYSTEM AC DISCONNECT SWITCH RATED AC OPERATING CURRENT 80.00 AMPS AC AC NOMINAL OPERATING VOLTAGE 240 VAC

LABEL LOCATION:
AC DISCONNECT, POINT OF INTERCONNECTION
PER CODE: NEC 690.54

WARNING

POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVER-CURRENT DEVICE

LABEL LOCATION:
POINT OF INTERCONNECTION
POINT OF INTERCONNECTION
PER CODE: NEC 705.12(B)(3)(2)

WARNING

DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL LOCATION:
POINT OF INTERCONNECTION
POINT OF INTERCONNECTION
PER CODE: NEC 705.12(C)

WARNING

Rapid Shutdown Switch for Solar PV System

LABEL LOCATION:
INVERTER
PER CODE: NEC 690.56(C)(3)

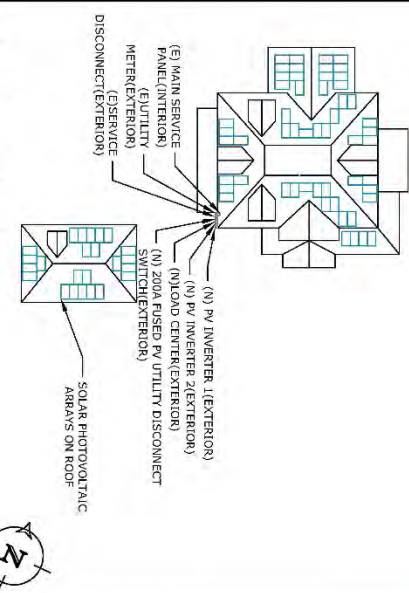
WARNING

PRACTICES AND METHODS WHEN DISCONNECTS IN THE OPEN POSITION SHOULD NOT RELOCATE OR CUT

LABEL LOCATION:
AC DISCONNECT

CAUTION: MULTIPLE SOURCES OF POWER

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN



207 S PARK ST., SAN ANGELO, TX 76901

LABEL LOCATION:
SERVICE PANEL
PER CODE: NEC 705.10

ALL PLACARDS SHALL BE OF WEATHER-PROOF CONSTRUCTION, BACKGROUND ON ALL PLACARDS SHALL BE RED WITH WHITE LETTERING U.O.N. PLACARD SHALL BE MOUNTED DIRECTLY ON THE EXISTING UTILITY ELECTRICAL SERVICE. FASTENERS APPROVED BY THE LOCAL JURISDICTION

FASTRAC ENERGY SERVICES

LICENSE NUMBER: TECL 349338

CERTIFIED

PV Installation
Through 2024
02811-428

CUSTOMER INFORMATION

NAME: DAVID HARVEY

ESID: 10204049744306110

ADDRESS: 207 S PARK ST. SAN ANGELO, TX 76901

31.456593, -100.450870

APN: 011-100-0-005-000-100

AU: TX-CITY OF SAN ANGELO

UTILITY: AEP

PRN NUMBER: FES-44792

STATE OF TEXAS
ELECTRICAL ONLY

CEDAR FALCON
131387

PROFESSIONAL ENGINEER

2-15-2022

DRATED BY: PAPER

QC'D BY: R. REVANTHI SIZE: 17"x11"

SCALE: AS NOTED REV: A

DATE: 2/15/2022 PL-01