

Date Submitted:	1/12/23
Date Filed:	3/7/23

Application Number:	SW-23-04
Public Hearing:	

**Application for Sign Waiver**  
City of Jacksonville, Florida  
Planning and Development Department

Please type or print in ink. Instructions regarding the completion and submittal of this application are located at the end of this form. For additional information, please contact the Planning and Development Department at (904) 255-7865.

For Official Use Only			
Current Zoning District:	PUD 2007-0224-E	Current Land Use Category:	C6C
Council District:	14	Planning District:	4
Previous Zoning Applications Filed (provide application numbers): none found			
Applicable Section of Ordinance Code: PUD 2007 0224-E/656.1303			
Notice of Violation(s): none found			
Neighborhood Associations: Argyle Area Civic Council			
Overlay: none			
LUZ Public Hearing Date:		City Council Public Hearing Date:	
Number of Signs to Post:	12	Amount of Fee:	\$1229
		Zoning Asst. Initials:	CR

PROPERTY INFORMATION	
1. Complete Property Address: 6099 Youngerman Circle Jacksonville, FL 32244	2. Real Estate Number: 10075-0300 100705-0300
3. Land Area (Acres): 2.53	4. Date Lot was Recorded: 1982
5. Property Located Between Streets: Youngerman Circle and I -295	6. Utility Services Provider: City Water / City Sewer <input checked="" type="checkbox"/> Well / Septic <input type="checkbox"/>

7. Waiver Sought:	
<input checked="" type="checkbox"/>	Increase maximum height of sign from <u>50</u> to <u>65</u> feet (maximum request 20% or 5 ft. in height, whichever is less). *Note - Per Section 656.1310, no waiver shall be granted which would permit a sign in excess of 40 feet in height in any zoning district.
<input type="checkbox"/>	Increase maximum size of sign from _____ sq. ft. to _____ sq. ft. (maximum request 25% or 10 sq. ft., whichever is less)
<input type="checkbox"/>	Increase number of signs from _____ to _____ (not to exceed maximum square feet allowed)
<input type="checkbox"/>	Allow for illumination or change from _____ external to _____ internal lighting
<input checked="" type="checkbox"/>	Reduce minimum setback from <u>10</u> feet to <u>0</u> feet (less than 1 ft. may be granted administratively)
8. In whose name will the Waiver be granted? Sunstar OrangePark Inc	
9. Is transferability requested? <i>If approved, the waiver is transferred with the property.</i>	
Yes	<input checked="" type="checkbox"/>
No	<input type="checkbox"/>

<b>OWNER'S INFORMATION</b> (please attach separate sheet if more than one owner)	
10. Name: Sunstar OrangePark Inc	11. E-mail:
12. Address (including city, state, zip): 27 Tharp Ln, Marlboro, NJ 07746	13. Preferred Telephone:

<b>APPLICANT'S INFORMATION</b> (if different from owner)	
14. Name: General Sign Service Corp.	15. E-mail: brad@generalsignservice.com
16. Address (including city, state, zip): 1940 Spearing Street, Jacksonville, FL 32206	17. Preferred Telephone: 904-355-5630

## CRITERIA

Section 656.1310, Ordinance Code, sets forth procedures and criteria for evaluating waivers of the Part 13 sign regulations. Section 656.1302 of the Ordinance Code defines a sign as "a painting, structure, projected image or device which is placed, erected, constructed or maintained on or in the ground or water, or on or outside of an enclosed building, boat, ship, vessel or other object or structure or affixed or painted on or inside an exterior window of a building for the purpose of display, information, advertisement or attraction of the attention of persons, including posters, pictures, pictorial or reading matter and a letter, word, model, device or representation used in the nature of an advertisement, announcement, attraction or direction."

Section 656.133(c)1 through 10, Ordinance Code, provides that, with respect to action upon Applications for Sign Waivers, the City Council shall grant a waiver only if substantial competent evidence exists to support a positive finding based on each of the following criteria as applicable:

1. *Will the effect of the sign waiver be compatible with the existing contiguous signage or zoning and consistent with the general character of the area considering population, density, scale, and orientation of the structures in the area?*
2. *Would the result detract from the specific intent of the zoning ordinance by promoting the continued existence of nonconforming signs that exist in the vicinity?*
3. *Could the effect of the proposed waiver diminish property values in, or negatively affect the aesthetic character of the area surrounding the site, and could such waiver substantially interfere with or injure the rights of others whose property would be affected by the same?*
4. *Would the waiver have a detrimental effect on vehicular traffic or parking conditions, or result in the creation of objectionable or excessive light, glare, shadows or other effects, taking into account existing uses and zoning in the vicinity?*
5. *Is the proposed waiver detrimental to the public health, safety or welfare, or could such waiver result in additional public expense, creation of nuisances, or cause conflict with any other applicable law?*
6. *Does the subject property exhibit specific physical limitations or characteristics, which would be unique to the site and which would make imposition of the strict letter of the regulation unduly burdensome?*
7. *Is the request based exclusively upon a desire to reduce the costs associated with compliance and is the request the minimum necessary to obtain a reasonable communication of one's message?*
8. *Is the request the result of a violation that has existed for a considerable length of time without receiving a citation and if so, is the violation that exists a result of construction that occurred prior to the applicant's acquiring the property, not being a direct result of the actions of the current owner?*
9. *Does the request accomplish a compelling public interest such as, for example, furthering the preservation of natural resources by saving a tree or trees?*
10. *Would strict compliance with the regulation create a substantial financial burden when considering the cost of compliance?*



18. Given the above definition of a "sign" and the aforementioned criteria by which the request will be reviewed against, please describe the reason that the waiver is being sought. Provide as much information as you can; you may attach a separate sheet if necessary. Please note that failure by the applicant to adequately substantiate the need for the request and to meet the criteria set forth may result in a denial.

The original pole and sign structure for this location was built in 1982 and met City Sign Code at that time. The intent for this waiver is to replace the existing sign cabinet with new. Further, the setback of the sign was reduced due to the widening of I-295 and the off ramp. This is an existing pylon structure that needs to have its sign cabinet upgraded. The business, Red Roof Inn, is the same hotel brand as originally permitted and built in 1982.

1. Yes, this waiver would be compatible. There are many other pylon type signs that have either been granted a waiver and exceed the 50' max height and reduce setback requirements.

2. No, other signs in the vicinity have been granted the waiver or were approved when different criteria were applied to determining the locations where an increase in height would be approved.

3. No

4. No, this sign would be the same as the existing and would be very similar to other pylon type signs in the vicinity.

5. No

6. Yes, the sign pole is already existing with an existing sign cabinet. Moving the pole structure would be extremely costly to the property owner. Further, the widening of the off ramp for I-295 and Blanding Blvd created the setback issue.

7. No, it is not solely a cost related request. Hardships were created by widening of FDOT off ramps and different interpretations of the sign code from 1982 to present.

8. There is no current citation against the existing sign structure.

9. Potentially yes as moving this sign to a new location may require trees to be removed to find a location that would meet the current code.

10. Yes, as we are trying to only replace the existing sign cabinet on the existing pole structure that would be significantly less expensive than building an entirely new pole structure. The costs of new foundations, steel, concrete, etc would far exceed the costs associated with replacing the cabinet as proposed.

**ATTACHMENTS**

The following attachments must accompany each copy of the application.

- Survey
- Site Plan – two (2) copies on 8 1/2 x 11 and two (2) copies on 11 x 17 or larger
- Property Ownership Affidavit (Exhibit A)
- Agent Authorization if application is made by any person other than the property owner (Exhibit B)
- Legal Description – may be written as either lot and block, or metes and bounds (Exhibit C)
- Proof of property ownership – may be print-out of property appraiser record card if individual owner, [http://apps.coi.net/pao\\_propertySearch/Basic/Search.aspx](http://apps.coi.net/pao_propertySearch/Basic/Search.aspx), or print-out of entry from the Florida Department of State Division of Corporations if a corporate owner, <http://search.sunbiz.org/Inquiry/CorporationSearch/ByName>.
- Photographs of sign structure showing nonconforming nature and physical impediments to compliance.
- If waiver is based on economic hardship, applicant must submit the following:
  - Two (2) estimates from licensed contractors stating the cost of bringing the sign structure into compliance; and
  - Any other information the applicant wished to have considered in connection to the waiver request.

**FILING FEES**

\*Applications filed to correct existing zoning violations are subject to a double fee.

<u>Base Fee</u>	<u>Public Notices</u>	<u>Advertisement</u>
Residential Districts: \$1,161.00	\$7.00 per Addressee	Billed directly to owner/agent
Non-residential Districts: \$1,173.00		

**NOTE:** City Council may, as a condition of the waiver, specify a time period within which the sign structure shall be required to conform to the requirements of the City's sign regulations.

**AUTHORIZATION**

Please review your application. No application will be accepted until all of the requested information has been supplied and the required fee has been paid. The acceptance of an application as being complete does not guarantee its approval by the City Council. The owner and/or authorized agent must be present at the public hearing.

The required public notice signs must be posted on the property within five (5) working days after the filing of this application. Sign(s) must remain posted and maintained until a final determination has been made on the application.

I hereby certify that I have read and understand the information contained in this application, that I am the owner or authorized agent for the owner with authority to make this application, and that all of the information contained in this application, including the attachments, is true and correct to the best of my knowledge.

Owner(s)  
Print name: Bharat Patel  
Signature: [Handwritten Signature]

Applicant or Agent (if different than owner)  
Print name: Bredly Gentry  
Signature: [Handwritten Signature]

Owner(s)  
Print name: \_\_\_\_\_  
Signature: \_\_\_\_\_

*\*An agent authorization letter is required if the application is made by any person other than the property owner.*

**SUBMITTAL**

This application must be typed or printed in ink and submitted along with three (3) copies for a total of four (4) applications. Each application must include all required attachments.

Submit applications to:  
Planning and Development Department, Zoning Section  
214 North Hogan Street, 2<sup>nd</sup> Floor  
Jacksonville, Florida 32202  
(904) 255-8300

Property Ownership Affidavit - Corporation

Date: 09/30/22

City of Jacksonville  
Planning and Development Department  
214 North Hogan Street, Suite 300,  
Jacksonville, Florida 32202

Re: Property Owner Affidavit for the following site location in Jacksonville, Florida:

Address: 6099 Youngerman Circle RE#(s): 100705-0300  
Jacksonville, FL 32244

To Whom it May Concern:

I, Bhasat Patel, as Owner of Sunstar Orangepark Inc corporation, hereby certify that said corporation is the Owner of the property described in Exhibit 1 in connection with filing application(s) for Sign Waiver submitted to the Jacksonville Planning and Development Department.

(signature) Bh Patel  
(print name) Bhasat Patel

Please provide documentation illustrating that signatory is an authorized representative of the corporation; this may be shown through corporate resolution, power of attorney, printout from sunstar.org, etc.

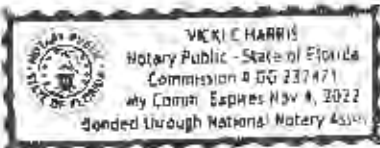
STATE OF FLORIDA  
COUNTY OF DUVAL

Sworn to and subscribed and acknowledged before me by means of  physical presence or  online notarization, this 1 day of October 2022, by Bhasat Patel as Owner of Sunstar Orangepark Inc a Florida corporation, who is personally known to me or who has produced FD as identification and who took an oath.

Vicki P Harris

(Signature of NOTARY PUBLIC)

Vicki P Harris  
(Printed name of NOTARY PUBLIC)



State of Florida at Large.  
My commission expires: 11/7/2022



Agent Authorization - Corporation

Date: 01/24/23

City of Jacksonville  
Planning and Development Department  
214 North Hogan Street, Suite 300,  
Jacksonville, Florida 32202

Re: Agent Authorization for the following site location in Jacksonville, Florida:

Address: 6099 Vancouver Cir REG#(s): 100705-0300

To Whom It May Concern:

You are hereby advised that Bharatkumar Patel as Owner of Sunstar Orange Park Inc, a corporation organized under the laws of the state of Florida hereby authorizes and empowers General Sign Service Corp to act as agent to file application(s) for Sign Under for the above referenced property and in connection with such authorization to file such applications, papers, documents, requests and other matters necessary for such requested change as submitted to the Jacksonville Planning and Development Department.

(signature) [Signature]

(print name) Bharatkumar Patel

STATE OF FLORIDA  
COUNTY OF DUVAL

Sworn to and subscribed and acknowledged before me by means of  physical presence or  online notarization, this 24<sup>th</sup> day of January 2023, by Bharatkumar Patel as OWNER of Sunstar Orange Park, Inc Florida corporation, who is personally known to me or who has produced FL DL as identification and who took an oath.

[Signature]  
(Signature of NOTARY PUBLIC)

Valeria Henry  
(Printed name of NOTARY PUBLIC)



State of Florida at Large.  
My commission expires: Jan 30, 2026

G:\JOINT\Applications\New Notary Block\Agent Authorization Form Corporation 10-2021.docx





[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

## Detail by Entity Name

Florida Profit Corporation  
SUNSTAR ORANGEPARK, INC.

### Filing Information

**Document Number** P13000001803  
**FEI/EIN Number** 46-1695960  
**Date Filed** 01/07/2013  
**Effective Date** 01/02/2013  
**State** FL  
**Status** ACTIVE

### Principal Address

6099 YOUNGERMAN CIRCLE  
JACKSONVILLE, FL 32244

### Mailing Address

1180 TINKERS COVE LANE  
JACKSONVILLE, FL 32211

Changed: 03/03/2023

### Registered Agent Name & Address

PATEL, BHARAT BK  
1180 TINKERS COVE LANE  
JACKSONVILLE, FL 32211

Name Changed: 03/03/2023

Address Changed: 03/03/2023

### Officer/Director Detail

#### **Name & Address**

Title P

DESAI, SATISH O  
27 THARP LANE  
MARLBORO, NJ 07746

Title V

MEHTA, KALPESH B  
10623 ROUNDWOOD GLEN CT  
JACKSONVILLE, FL 32256

Title T

PATEL, BHARAT K  
6237 ARLINGTON EXPRESSWAY  
JACKONVILLE, FL 32211

Title O

SHAH, SMITA V  
12626 TROPIC DE E  
JACKSONVILLE, FL 32225

Title O

DESAI, BHUPEN C  
5 ANVIL COURT  
GLEN MILLS, PA 19342

**Annual Reports**

<b>Report Year</b>	<b>Filed Date</b>
2021	04/30/2021
2022	04/01/2022
2023	03/03/2023

**Document Images**

<a href="#">03/03/2023 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/01/2022 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/30/2021 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">06/22/2020 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">05/30/2019 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/13/2018 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/15/2017 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/02/2016 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/23/2015 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/21/2014 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/07/2013 -- Domestic Profit</a>	<a href="#">View image in PDF format</a>

This Instrument Prepared By:

FMW RRI NC LLC  
c/o Andrew C. Alexander  
5847 San Felipe, Suite 4650  
Houston, TX 77057

When Recorded Return To:

SUNSTAR ORANGEPARK, INC.  
c/o Satish O. Desai  
27 Tharp Lane  
Marlboro, NJ 07746  
415-0248CT

Parcel ID Number: 100705-0300

**SPECIAL WARRANTY DEED**

THIS SPECIAL WARRANTY DEED is made by FMW RRI NC LLC, a Delaware limited liability company ("Grantor"), whose post office address is 5847 San Felipe, Suite 4650, Houston, Texas 77057, to SUNSTAR ORANGEPARK, INC., a Florida corporation ("Grantee"), whose post office address is 27 Tharp Lane, Marlboro, NJ 07746.

**WITNESSETH:**

That the Grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey, and confirm unto the Grantee all that certain land lying and being in Duval County, Florida, and more particularly described herein below (the "Property"):

See Exhibit "A" attached hereto and incorporated as a part hereof.

TOGETHER WITH all the easements, tenements, hereditaments and appurtenances thereunto and improvements thereon belonging or in anywise appertaining.

SUBJECT TO those matters set forth on Exhibit "B" attached hereto and incorporated herein by this reference (the "Permitted Exceptions"); provided, however, reference thereto shall not serve to reimpose the same.

TO HAVE AND TO HOLD, the same in fee simple forever.

Special Warranty Deed  
115496/000056/1665626.02

-1-

Jacksonville South  
Red Roof Inn #10076

Grantor further declares and warrants that: this Special Warranty Deed is a present, complete and absolute conveyance and grant of title and includes and unconditionally conveys all equitable and redemptive rights of Grantor; this conveyance is freely and fairly made and this Special Warranty Deed is not a mortgage, deed of trust or security device of any kind. Grantor acknowledges and agrees to having transferred the Property to Grantee for a fair and adequate consideration.

AND the Grantor hereby covenants with Grantee that, except for the Permitted Exceptions, said Property is free from all encumbrances made by Grantor and that Grantor shall and will WARRANT AND DEFEND the same against the lawful claims and demands of all persons claiming by, through or under Grantor but against no others.

[Remainder of page intentionally left blank; Signature page(s) follow]

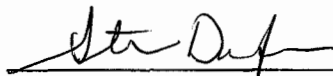


IN WITNESS WHEREOF, the Grantor has caused this Special Warranty Deed to be executed as of the 28 day of February, 2013.

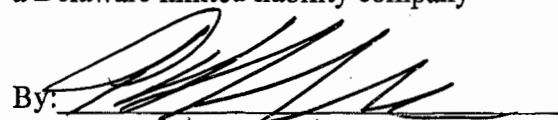
GRANTOR:

Signed, sealed and delivered in the presence of:

FMW RRI NC LLC,  
a Delaware limited liability company

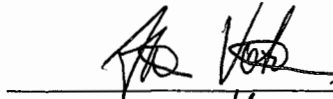


Print Name: Stacie DeFrane

By: 

Name: Almond Nickerson

Title: Vice President



Print Name: HANNA URIAFNA

State of Connecticut )  
 )  
County of Fairfield )

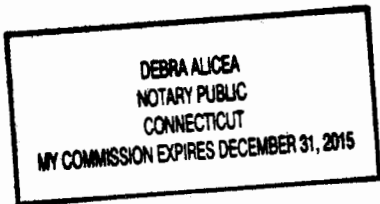
Acknowledgement

I, Debra Alicea, a notary public for CT, do hereby certify that Al Nickerson, Vice President (title), of FMW RRI NC LLC (company name/entity), personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal this the 4<sup>th</sup> day of February, 2013.

Debra Alicea  
Notary Public  
My Commission Expires:

(Notarial Seal)



**EXHIBIT "A"**

A parcel of land in the Southwest 1/4 of Section 31, Township 3 South, Range 26 East, said parcel including a portion of Government Lot 5, in said Section 31 and a portion of the F. P. Fatio Land Grant of Section 42, Township 3 South, Range 26 East, according to the "map showing lands of Jacksonville Heights Improvement Co.", as recorded in Plat Book 5, at page 93 of the current Public Records of Duval County, Florida and being more particularly described as follows:

Commencing at the Southwest corner of the Northwest 1/4 of said Section 31; thence run North 0 degrees 11' 24" West (on an assumed bearing), 280.23 feet along the West line of the Northwest 1/4 of said Section 31 to a point of intersection with the arc of a curve running Southeasterly to the right (a radial at said point bears South 13 degrees 45' 07" West), said point being also the Northerly right of way line of Youngerman Circle as described in Official Records Volume 4294 at pages 761-763 of the Public Records of Duval County, Florida; thence along the arc of said curve to the right, having a radius of 1260 feet and a central angle of 4 degrees 05' 58", run Southeasterly 90.15 feet along said Northerly right of way; to a point of tangency; thence run South 72 degrees 08' 55" East, 910.02 feet, along the tangent extended and along said Northerly right of way to a point of curvature of a curve to the right; thence along the arc of said curve to the right, having a radius of 1960 feet and a central angle of 23 degrees 14' 50", run Southeasterly 795.25 feet to a point for the Point of Beginning; thence continue along the arc of said curve in said right of way line through a central angle of 6 degrees 52' 11", a distance of 235.0 feet; thence North 47 degrees 58' 06" East, 417.95 feet; thence North 1 degree 44' 04" West, 108.25 feet to a point in the Southwesterly right of way line of Interstate Highway 295; thence North 56 degrees 40' 54" West, along the Right of Way line of said Interstate Highway 295, 180.0 feet; thence South 45 degrees 10' 31" West, 457.05 feet to the Point of Beginning.

**EXHIBIT B**

**Permitted Encumbrances**

The following matters, to the extent and only to the extent the same are valid and subsisting against the subject property as of the date of this instrument:

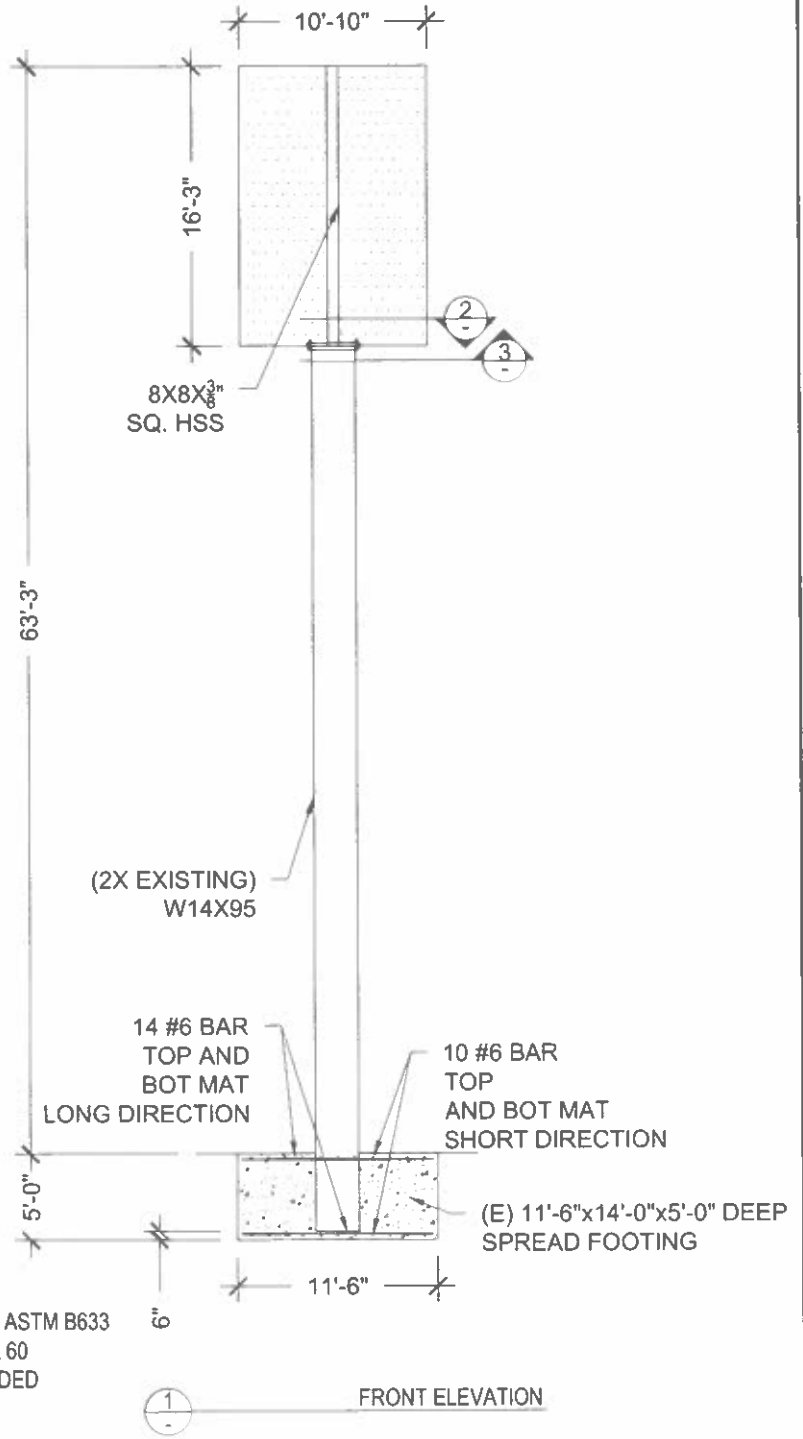
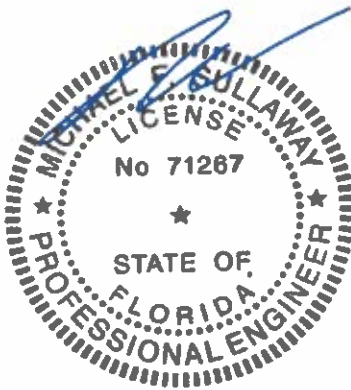
1. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date of the Commitment for Title Insurance issued by Chicago Title Insurance Company on November 02, 2012, but prior to the date the Grantee acquires for value of record the Property.
2. Taxes and assessments for the year 2013 and subsequent years, which are not yet due and payable. Note: this will include non-ad valorem stormwater assessment fee.
3. Any claim that any portion of the insured land is sovereign lands of the State of Florida, including submerged, filled or artificially exposed lands accreted to such land.
4. Any lien provided by County Ordinance or by Chapter 159, Florida Statutes, in favor of any city, town, village or port authority for unpaid service charges for service by any water, sewer or gas system supplying the insured land.
5. Covenants and restrictions contained in Official Records Book 4298, Page 1166 and in Official Records Book 5459, Page 618 of the public records of Duval County, Florida.
6. Easement recorded in Official Records Book 4526, Page 364 of the public records of Duval County, Florida, and shown on the survey prepared by Charles Bassett & Associates, Inc., dated June 23, 2011, as last revised, under File No. S-2871.
7. Rights of tenants occupying all or part of the insured land under unrecorded leases or rental agreements.
8. Other matters, if any, shown on the survey prepared by Charles Bassett & Associates, Inc., dated June 23, 2011, as last revised, under File No. S-2871.



PROJECT: RED ROOF INN, 6099 YOUNGERMAN CIR, JACKSONVILLE, FL  
 PROJECT #: 35816  
 CLIENT: GENERAL SIGN SERVICE INC

DATE: 7/7/2022  
 ENGINEER: MAC  
 LAST REVISED:

**mike F** Digitally signed by mike F  
**sullaway** Date: 2022.07.14  
 08:50:13 -07'00'

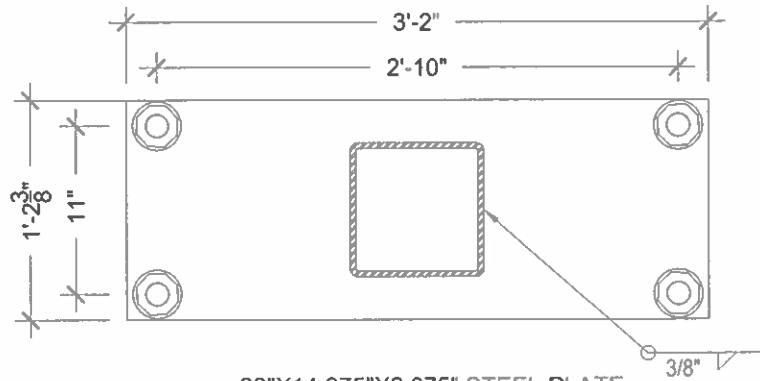


**GENERAL NOTES**

1. DESIGN CODE: FBC 2019
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 125 MPH EXPOSURE C
4. SQ. HSS STEEL ASTM A500 GR. B,  $F_y = 46$  KSI MIN.
5. PLATE STEEL ASTM A36
6. WIDE FLANGE STEEL ASTM A992,  $F_y = 50$  KSI MIN.
7. BOLT STEEL ASTM A307, HDG PER ASTM A153, ZP PER ASTM B633
8. STEEL REINFORCEMENT IN CONCRETE ASTM A615 GR 60
9. PROVIDE MIN. 3" CLEAR COVER ON ALL STEEL EMBEDDED IN CONCRETE WHEN CAST AGAINST SOIL
10. VERTICAL SOIL BEARING PER IBC CLASS 4 (2000 PSF)
11. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
12. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
13. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD

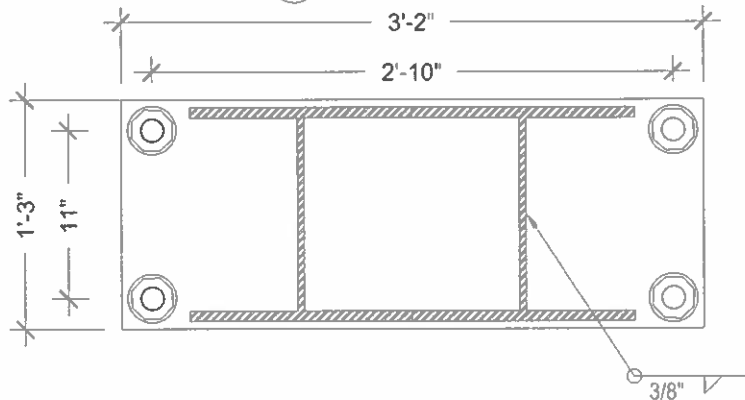
PROJECT: RED ROOF INN, 6099 YOUNGERMAN CIR, JACKSONVILLE, FL  
PROJECT #: 35816  
CLIENT: GENERAL SIGN SERVICE INC

DATE: 7/7/2022  
ENGINEER: MAC  
LAST REVISED:



38"X14.375"X2.375" STEEL PLATE  
W/ (4) 1 1/2" Ø THRU BOLTS

2 TOP MATCH PLATE



38"X15"X1.25" STEEL PLATE  
W/ (4) 1 1/2" Ø THRU BOLTS

3 BOTTOM MATCH PLATE



PROJECT: RED ROOF INN  
 PROJ. NO.: 35816  
 CLIENT: GENERAL SIGN SERVICE INC

DATE: 7/7/22  
 ENGINEER: MAC

v5.5

units; pounds, feet unless noted otherwise

### Applied Wind Loads; from ASCE 7-16

$$F = q_z * G * C_f * A_f \quad \text{with } q_z = 0.00256 K_z K_{zt} K_d V^2 \quad (29.3.2 \text{ \& } 29.4)$$

$$C_f = 1.800 \quad (\text{Fig. 29.3-1})$$

max. height= 63.25

$$K_{zt} = 1.0 \quad (26.8.2) \quad (=1.0 \text{ unless unusual landscape})$$

s= 16.25

$$K_z = \text{from table 28.3-1}$$

Exposure= c

$$K_d = 0.85 \quad \text{for signs (table 26.6-1)}$$

$$V = 125 \quad \text{mph}$$

$$G = 0.85 \quad (26.9)$$

$$s/h = 0.257$$

$$B/s = 0.67$$

Pole Loads	structure component	height at section c.g.	$K_z$	$q_z$	pressure $q_z * G * C_f$	$A_f$	shear	Wind Moment $M_w$
	1	7.5	0.850	28.9	44.22	36.0	1593	11946
	2	17.5	0.876	29.8	45.57	12.0	547	9575
	3	22.5	0.921	31.3	47.90	12.0	575	12941
	4	27.5	0.961	32.7	49.98	12.0	600	16504
	5	32.5	0.996	33.9	51.79	12.0	622	20211
	6	37.5	1.026	34.9	53.35	12.0	641	24023
	7	43.5	1.058	36.0	55.04	16.8	925	40246
	8	53.5	1.104	37.55	57.45	140.8	8091	432869
	9	61.625	1.137	38.66	59.16	35.2	2083	128354

sums: 288.9    15677    696.67    ( $M_w$ ) k-ft    arm= 44.4

$$P_u = 3.47 \quad \text{kip}$$

$$M = 696.67 \quad \text{k-ft} \quad M = \sqrt{M_{DL}^2 + M_w^2}$$

$$M_u = \sqrt{1.2 M_{DL}^2 + 1.0 M_w^2} = 696.67 \quad \text{k-ft}$$

### Pole Design

section; tube

H	$M_u$ (k-ft)	Z req'd. (in)	Size(in)	t (in)	Z	USE
at grade	696.7	201.93	20	0.5	285.0	(2x) W14x95, $\phi M_n = 365.5$ k-ft
splice at 47 ft	83.1	24.1	10	0.233	32.7	HSS8X8X3/8, $\phi M_n = 102$ k-ft



PROJECT: MAVERICK APARTMENTS  
 PROJ. NO.: 34587  
 CLIENT: ARCHITECTURAL DESIGN AND SIGN

DATE: 7/7/22  
 ENGINEER: MAC

Version 3.0

**Longitude Direction**

units; pounds, feet unless noted otherwise

applied shear at grade  $v = 9.408$  kip unfactored load 15.68 k LRFD  
 applied moment at grade  $m = 418$  kip-ft unfactored load 696.67 k-ft LRFD  
 depth of soil above footing  $h_s = 0$  ft  
 allowable soil bearing  $p = 2.667$  ksf 1.333\*2000psf (for Wind Load Case)

**Spread Footing Design**

moment  $m = 465.0$  k-ft at base of footing  
 Footing size (ft)  $b = 11.50$   $L = 14.0$   $h = 5.00$   $S = 375.7$   
 Footing Weight = 120.8 k signage weight = 11.0 k soil 0.00 total = 131.75  
 Overturning;  $M_c = 922$   $M_c > 1.5M$  1.983 ok  
 soil pressure; max = 2.201 ksf ok  
 forces on concrete pad;  $V = 116$  k  $V_r = 185$  k (=1.6V)  
 $M = 405$  k-ft  $M_r = 647.87$  k-ft

**Check Slab;**

$\phi = 0.9$   $f_y = 60$  ksi  $f_c = 4.5$  ksi 150 lbs/ft3  
 Flexure  $A_s = 3.00$   $d = 56.0$  in  
 $\phi M_n = \phi A_s f_y (d - a/2) = 9044$  k-in = 753.7 k-ft  $M_r < \phi M_n$  ok  
 $a = A_s f_y / 0.85 f_c b = 0.341$  in

**Check minimum**  $A_{smin} = 2 \sqrt{f_c} b d / f_y = 25.92$   $200 b d / f_y = 25.76$  or  $1.333 A_s = 4.00$  in<sup>2</sup>  
 Use  $A_s = 4.00$  in<sup>2</sup>

short direction  $\gamma_s = 2 / (\beta + 1) = 0.8$  with  $\beta = 1.5$  short direction;  $\gamma A_s = 3.20$  in<sup>2</sup>

USE #6 BAR @ 12" SPACING

Shear;  $\phi V_n = \phi 2 \sqrt{f_c} b d$   $\phi V_c = 777.6$   $\phi = 0.75$   $V_r < \phi V_n$  ok





PROJECT: RED ROOF INN  
 PROJ. NO.: 35816  
 CLIENT: ARIZONA SIGNS PLUS

DATE: 7/7/2022  
 ENGINEER: MAC

building code; IBC 2018

units; pounds, feet unless noted otherwise

Check W14X95 for flexure

(AISC 14 F3)

Yielding:	$M_u =$	4180 k-in		$F_y =$	50 ksi
				$Z_x =$	181 in <sup>3</sup>
	$M_n = M_p = F_y Z =$	9050 k-in	(eq'n. F2-1)	$L_b =$	564 in
				$L_p =$	157.3 in
LTB:				$L_r =$	528.5 in
	$M_n = F_{cr} S_x =$	4873 k-in	(eq'n. F2-3)	$E =$	29000 ksi
	$F_{cr} = C_b \pi^2 E / (L_b / r_t)^2 (1 + 0.078 J_c / S_x h_o (L_b / r_t)^4)^{1/2} =$	32.27 ksi	(eq'n. F2-4)	$r_y =$	3.71 in
				$S_x =$	151 in <sup>3</sup>
				$J =$	4.74 in <sup>4</sup>
FTB:				$h_o =$	13.3 in
	$M_n = M_p - (M_p - 0.7 F_y S_x) (l - l_{pf}) / (l_r - l_{pf}) =$	8907 k-in	(eq'n. F3-1)	$c =$	1
				$r_{ts} =$	4.125
	$\phi M_n =$	4386 k-in		$\lambda_{pf} =$	9.152
				$\lambda_{rt} =$	24.08
	$P_u / 2 P_c + (M_u / M_c) =$	0.953	(eq'n. H1-1)	$\lambda =$	9.72
				$\phi =$	0.9
				$k_c = 4 / (h / t_w)^{1/2} =$	0.81
				$C_b =$	1.00



PROJECT: RED ROOF INN  
 PROJ. NO.: 35816  
 CLIENT: GENERAL SIGN SERVICE INC

DATE: 7/7/22  
 ENGINEER: MAC

v5.5

units; pounds, feet unless noted otherwise

**Check 1.5" dia. Thru Bolts, A307**

0.75

Mu =	=	83.05 k-ft	(See Previous page)
Vu =	=	10.170 kips	(See Previous page)
n =	#bolts per row =	2	
s =	=	11 in	
Tu per bolt =	Mu/s/n =	45.302 kips	
Vu per bolt =	Vu/n =	5.085 kips	

Per AISC J3:

d(bolt) =	1.5 in	Fu =	58 ksi	$\phi$ =	0.75	
A(bolt) =						= 1.767 in <sup>2</sup>
Fnt =		0.75*Fu =	43.50 ksi			
Fnv =		0.45*Fu =	26.10 ksi			
$\phi$ Rnt =		$\phi$ *Fnt * A(bolt) =	57.65 kips			<b>OK</b>
$\phi$ Rnv =		$\phi$ *Fnv * A(bolt) =	34.59 kips			<b>OK</b>

Combined Tension & Shear Check:

frv =	V per bolt / A(bolt) =	2.88 ksi	
F'nt =	1.3Fnt - Fnt/ $\phi$ Fnv*frv $\leq$ Fnt =	43.50 ksi	
$\phi$ Rnt =	$\phi$ F'nt*A(bolt) =	57.65 kips	<b>OK</b>

**Check 38x14.375x2.375" Steel Top Match Plate, A36**

(Along WL)

arm =	1.580 in	b =	14.32 in	t =	2.375 in	
Mplate =		T per bolt * n * arm =	143.153 k-in	(T= See Above, n=2)		
Z =		bt <sup>2</sup> /4 =	20.193 in <sup>3</sup>			
$\phi$ Mn =		$\phi$ *Fy*Z = 0.9*36ksi*Z =	654.267 k-in			<b>OK</b>

**Check 38x14.375x2.375" Steel Top Match Plate, A36**

(Across WL)

arm =	13.200 in	b =	14.3750 in	t =	2.375 in	
Mplate =		T per bolt * n * arm =	597.980 k-in	(T= See Above, n=1)		
Z =		bt <sup>2</sup> /4 =	20.271 in <sup>3</sup>			
$\phi$ Mn =		$\phi$ *Fy*Z = 0.9*36ksi*Z =	656.780 k-in			<b>OK</b>



PROJECT: RED ROOF INN  
 PROJ. NO.: 35816  
 CLIENT: GENERAL SIGN SERVICE INC

DATE: 7/7/2022  
 ENGINEER: MAC

### Check 38x15x1.25" Steel Bottom Match Plate, A36

(Along WL)

$$\begin{array}{rcl}
 \text{arm} = & 1.850 & \text{in} \quad b = 15.40 \text{ in} \quad t = 1.25 \text{ in} \\
 M_{\text{plate}} = & & T \text{ per bolt} * n * \text{arm} = 167.616 \text{ k-in (T= See Above, n=2)} \\
 Z = & & bt^{2/4} = 6.016 \text{ in}^3 \\
 \phi M_n = & & \phi * F_y * Z = 0.9 * 36 \text{ ksi} * Z = 194.91 \text{ k-in} \quad \mathbf{OK}
 \end{array}$$

### Check 38x15x1.25" Steel Bottom Match Plate, A36

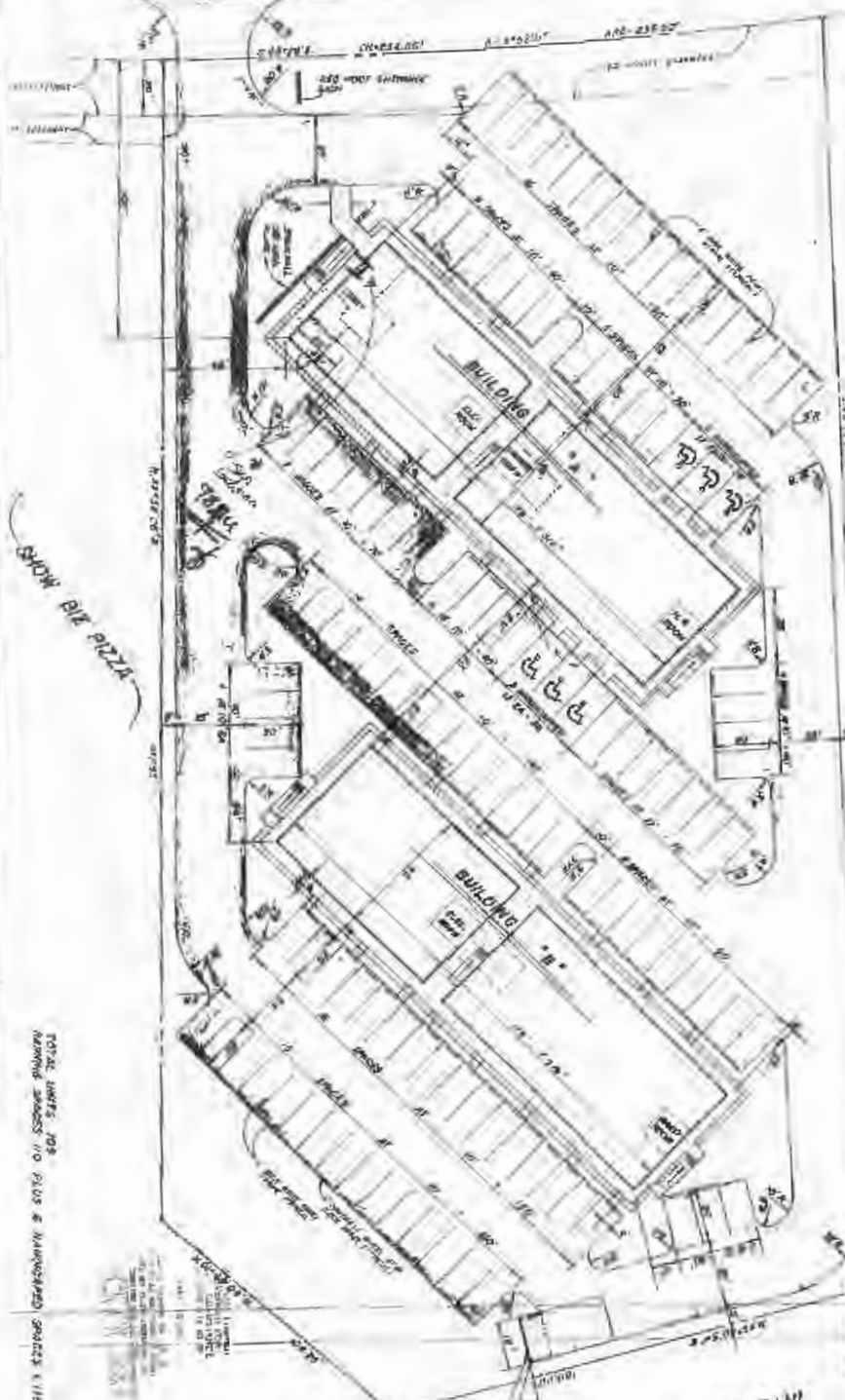
(Across WL)

$$\begin{array}{rcl}
 \text{arm} = & 3.225 & \text{in} \quad b = 15.000 \text{ in} \quad t = 1.25 \text{ in} \\
 M_{\text{plate}} = & & T \text{ per bolt} * n * \text{arm} = 146.097 \text{ k-in (T= See Above, n=1)} \\
 Z = & & bt^{2/4} = 5.859 \text{ in}^3 \\
 \phi M_n = & & \phi * F_y * Z = 0.9 * 36 \text{ ksi} * Z = 189.8 \text{ k-in} \quad \mathbf{OK}
 \end{array}$$

5/9/24  
2024

6099  
YOUNGERMAN CIRCLE

VICINITY MAP



SHELL OIL PROPERTY

RED ROOF INN  
6099 Youngerman Circle  
Jacksonville, FL 32214

NOTE:  
FOR GENERAL NOTES SEE DWG. NO. 2 OF 3

LEGAL DESCRIPTION

A portion of land in the Township of 1st, Range of 1st, Section 2, T29N, R18E, S12W, ...

TOTAL LOTS: 105  
MAINTENANCE YARD PLUS 6 MANHOLES, SERVICE KILN

Handwritten notes and signatures.

DASSETT-ENGLAND & THIMS, INC.  
CONSULTING AND DESIGN ENGINEERS  
JACKSONVILLE, FLORIDA

SITE PLAN  
RED ROOF INN  
BLANCKING BLVD. - JACKSONVILLE, FLA

Table with columns for DATE, TIME, and other project details.



Youngerman Circle, Jacksonville, FL Search

Get Directions History

6099 Youngerman Cir

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