TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

Official Agenda for the September 17, 2019
First Budget Hearing & Regular Town Council Meeting called for 7:00 P.M.

A. MEETING CALLED TO ORDER

B. ROLL CALL

C. PLEDGE OF ALLEGIANCE

D. ADOPTION OF PROPOSED COMBINED MILLAGE AND PROPOSED OPERATING BUDGET FOR FISCAL YEAR 2019/2020 (TIME CERTAIN ITEM)

1. A Resolution of the Town Council Adopting the Proposed Millage Rate for the Fiscal Year Commencing October 1, 2019 through September 30, 2020.

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA ADOPTING THE FINAL MILLAGE RATE OF THE TOWN OF GOLDEN BEACH FOR THE FISCAL YEAR COMMENCING OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020 PURSUANT TO FLORIDA STATUTE 200.065 (TRIM BILL); PROVIDING FOR AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 1
Resolution No. 2637.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2637.19

2. A Resolution of the Town Council Adopting the Tentative Budgets for the Fiscal Year Commencing October 1, 2019 through September 30, 2020.

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, ADOPTING THE FINAL BUDGETS FOR THE FISCAL YEAR COMMENCING OCTOBER 1, 2019 AND ENDING SEPTEMBER 30, 2020 PURSUANT TO FLORIDA STATUTE 200.065 (TRIM BILL); AND PROVIDING FOR AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 2

Resolution No. 2638.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2638.19

E. MOTION TO SET THE AGENDA

ADDITIONS/ DELETIONS/ REMOVAL OF ITEMS FROM CONSENT AGENDA/ AND CHANGES TO AGENDA

F. GOOD AND WELFARE

G. ORDINANCES – SECOND READING

3. An Ordinance of the Town Council Amending the Town's Code to Revise Rooftop Activities.

AN ORDINANCE OF THE TOWN OF GOLDEN BEACH, FLORIDA, AMENDING THE TOWN'S CODE OF ORDINANCES TO REVISE CHAPTER 66, "ZONING," BY AMENDING SECTION 66-261, "ROOFTOP ACTIVITIES", PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 3
Ordinance No. 588.19

Sponsor: Town Administration

Recommendation: Motion to Approve Ordinance No. 588.19

4. An Ordinance of the Town Council Amending the Town's Code to Adopt A New Chapter 62 Floods.

AN ORDINANCE BY THE TOWN COUNCIL AMENDING THE TOWN OF GOLDEN BEACH CODE OF ORDINANCES TO REPEAL LAND DEVELOPMENT REGULATIONS CHAPTER 62 FLOODS; TO ADOPT A NEW CHAPTER 62 FLOODS; TO ADOPT FLOOD HAZARD MAPS, TO DESIGNATE A FLOODPLAIN ADMINISTRATOR, TO ADOPT PROCEDURES AND CRITERIA FOR DEVELOPMENT IN FLOOD HAZARD AREAS, AND FOR OTHER PURPOSES; PROVIDING FOR APPLICABILITY; SEVERABILITY; AND AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 4
Ordinance No. 589.19

Sponsor: Town Administration

Recommendation: Motion to Approve Ordinance No. 589.19

H. ORDINANCES - FIRST READING

5. An Ordinance of the Town Council Amending the Town's Code To Revise Chapter 14, "Environment," By Amending Section 14-86, "Lawn Mowers and Power Tools."

AN ORDINANCE OF THE TOWN OF GOLDEN BEACH, FLORIDA, AMENDING THE TOWN'S CODE OF ORDINANCES TO REVISE CHAPTER 14, "ENVIRONMENT," BY AMENDING SECTION 14-86, "LAWN MOWERS AND POWER TOOLS", PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 5
Ordinance No. 590.19

Sponsor: Town Administration

Recommendation: Motion to Approve Ordinance No. 590.19

I. QUASI JUDICIAL RESOLUTIONS

6. A Resolution of the Town Council Approving A Variance Request for 399 Golden Beach Drive to Permit An Entrance Canopy To Encroach At Varying Front Setbacks.

A RESOLUTION OF THE TOWN OF GOLDEN BEACH, FLORIDA, AUTHORIZING AND APPROVING VARIANCE REQUEST FOR THE PROPERTY LOCATED AT 399 GOLDEN BEACH DR., GOLDEN BEACH, FLORIDA 33160 TO PERMIT AN ENTRANCE CANOPY TO ENCROACH AT VARYING FRONT SETBACKS, FROM 26.05' AT THE CURVE OF THE NORTH FRONT PROPERTY LINE TO 33.27' FROM THE SOUTH FRONT PROPRETY LINE, INSTEAD OF THE 35 FOOT FRONT SETBACK OUTLINED IN THE CODE.

Exhibit: Agenda Report No. 6
Resolution No. 2639.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2639.19

7. A Resolution of the Town Council Approving A Variance Request for 386 Golden Beach Drive to Permit A Dock.

A RESOLUTION OF THE TOWN OF GOLDEN BEACH, FLORIDA, AUTHORIZING AND APPROVING A VARIANCE REQUEST FOR THE PROPERTY LOCATED AT 386 GOLDEN BEACH DR., GOLDEN BEACH, FLORIDA 33160 TO PERMIT A DOCK TO BE CONSTRUCTED AT A DOCK LENGTH OF 53'8" PROTRUDING OUTSIDE THE D-5 TRIANGLE, TOWN CODE SECTION 46-87 PROXIMITY OF LOT LINE, INSTEAD OF THE PERMITTED APPROVED DOCK LENGTH OF 46'8".

Exhibit: Agenda Report No. 7
Resolution No. 2640.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2640.19

J. CONSENT AGENDA

8. Official Minutes of the August 20, 2019 Regular Town Council Meeting.

9. A Resolution of the Town Council Rescinding Resolution No. 2611.19.

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, RESCINDING RESOLUTION NO. 2611.19 WHICH APPROVED A ROOFTOP SETBACK VARIANCE FOR THE PROPERTY AT 587 OCEAN BOULEVARD; PROVIDING FOR IMPLEMENTATION AND AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 9
Resolution No. 2629.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2629.19

10. A Resolution of the Town Council Approving An Agreement with the City of Sunny Isles Beach to Share License Plate Readers.

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, APPROVING AN AGREEMENT WITH THE CITY OF SUNNY ISLES BEACH TO SHARE LICENSE PLATE READERS LOCATED IN THE 19400 BLOCK OF COLLINS AVENUE; AUTHORIZING THE TOWN MANAGER TO EXECUTE THE AGREEMENT; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 10

Resolution No. 2641.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2641.19

K. TOWN RESOLUTIONS

11. A Resolution of the Town Council Approving Amendment #2 to the 2018-2019 Fiscal Year Operating Budget for the Purposes of Awarding Employee Bonuses.

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, APPROVING AMENDMENT #2 TO THE 2018-2019 FISCAL YEAR OPERATING BUDGET FOR THE PURPOSES OF AWARDING EMPLOYEE BONUSES AND AMENDING THE ORIGINALLY ADOPTED BUDGET; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 11
Resolution No. 2642.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2642.19

12. A Resolution of the Town Council Reauthorizing the Town's Schedule of Building Permit and Processing Fees.

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, REAUTHORIZING THE TOWN'S SCHEDULE OF BUILDING PERMIT AND PROCESSING FEES; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

Exhibit: Agenda Report No. 12
Resolution No. 2643.19

Sponsor: Town Administration

Recommendation: Motion to Approve Resolution No. 2643.19

L. DISCUSSION & DIRECTION TO TOWN MANAGER

Mayor Glenn Singer:
None Requested

Vice Mayor Kenneth Bernstein:
None Requested

Councilmember Judy Lusskin:
None Requested

Councilmember Jaime Mendal:
None Requested

Councilmember Bernard Einstein:
None Requested

Town Manager Alexander Diaz
None Requested

M. ADJOURNMENT:

DECORUM:
ANY PERSON MAKING IMPERTINENT OR SLANDEROUS REMARKS OR WHO BECOMES BOISTEROUS WHILE ADDRESSING THE COUNCIL SHALL BE BARRED FROM THE COUNCIL CHAMBERS BY THE PRESIDING OFFICER.
NO CLAPPING, APPLAUDING, HECKLING OR VERBAL OUTBURSTS IN SUPPORT OR OPPOSITION TO A SPEAKER OR HIS OR HER REMARKS SHALL BE PERMITTED. NO SIGNS OR PLACE CARDS SHALL BE ALLOWED IN THE COUNCIL CHAMBERS. PERSONS EXITING THE COUNCIL CHAMBERS SHALL DO SO QUIETLY.

THE USE OF CELL PHONES IN THE COUNCIL CHAMBERS IS NOT PERMITTED. RINGERS MUST BE SET TO SILENT MODE TO AVOID DISRUPTION OF PROCEEDINGS.

PURSUANT TO FLORIDA STATUTE 286.0105, THE TOWN HEREBY ADVISES THE PUBLIC THAT: IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THIS BOARD WITH RESPECT TO ANY MATTER CONSIDERED AT ITS MEETING OR HEARING, HE WILL NEED A RECORD OF THE PROCEEDINGS, AND FOR THAT PURPOSE, AFFECTED PERSONS MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD SHALL INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. THIS NOTICE DOES NOT CONSTITUTE CONSENT BY THE TOWN FOR THE INTRODUCTION OR ADMISSION OF OTHER INADMISSIBLE OR IRRELEVANT EVIDENCE, NOR DOES IT AUTHORIZE CHALLENGES OR APPEALS NOT OTHERWISE ALLOWED BY LAW.

IF YOU NEED ASSISTANCE TO ATTEND THIS MEETING AND PARTICIPATE, PLEASE CALL THE TOWN MANAGER AT 305-932-0744 EXT 224 AT LEAST 24 HOURS PRIOR TO THE MEETING.

RESIDENTS AND MEMBERS OF THE PUBLIC ARE WELCOMED AND INVITED TO ATTEND.

TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

M E M O R A N D U M

Date: September 17, 2019

Item Number: 1 & 2

To: Honorable Mayor Glenn Singer &
Town Council Members

From: Alexander Diaz,
Town Manager

Subject: **Resolution No. 2637.19 & Resolution 2638.19 – Adopting the Proposed Combined Millage and Proposed Operating Budget for Fiscal Year 2019-2020**

Recommendation:

It is recommended that the Town Council adopt the Proposed Combined Millage and Proposed Operating Budget as provided by the companion Resolutions that follow.

Background:

Please see the **Proposed Budget Message Pages 28 through 32 of the Proposed Operating and Capital Fiscal Year 2019-2020 book.** The link to the 2019-2020 Annual Budget is found on the main page of the Town's website. www.goldenbeach.us.

Attached is a comparison of personnel services and operating costs per department as of September 11, 2019.

Fiscal Impact:

General Fund Revenues and Expenditures of $9,618,811.00

Capital Budget Revenues and Expenditures of $342,553.00

TOWN OF GOLDEN BEACH, FLORIDA

RESOLUTION NO. 2637.19

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, ADOPTING THE PROPOSED MILLAGE RATE OF THE TOWN OF GOLDEN BEACH FOR THE FISCAL YEAR COMMENCING OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020 PURSUANT TO FLORIDA STATUTE 200.065 (TRIM BILL); SETTING A DATE FOR A FINAL PUBLIC HEARING TO ADOPT THE MILLAGE RATE; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, on August 4th, 2019, the Town transmitted to the Property Appraiser its "Proposed Millage Rate" for the fiscal year commencing October 1, 2019 and further scheduled the public hearing required by Section 200.065 of the Florida Statutes to be held on September 17, 2019 at 7:00 p.m.; and

WHEREAS, the Property Appraiser has properly noticed the public hearing scheduled for September 17, 2019 at 7:00 p.m. at One Golden Beach Drive, Golden Beach, Florida, as required by Chapter 200 of the Florida Statutes; and

WHEREAS, said public hearing, as required by Section 200.065(2)(c), was held by the Town Council on September 17, 2019, commencing at 7:00 p.m., as previously noticed and the public and all interested parties having had the opportunity to address their comments to the Town Council and the Town Council having considered the comments of the public regarding the proposed millage rate and having complied with the "TRIM" requirements of the Florida Statutes.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA AS FOLLOWS:

Section 1. That the proposed millage rate for the Town of Golden Beach for the fiscal year commencing October 1, 2019 through September 30, 2020, be and is hereby fixed at the rate of 7.5780 mills which is $ 7.5780 dollars per $1,000.00 of assessed property value within the Town of Golden Beach.

Section 2. That the rolled-back rate is 7.3323 and the proposed millage rate is 7.4800 mills which is 3.35 % over the rolled-back rate.

Section 3. That the voted debt service millage for the fiscal year will be .8220 mills.

Section 4. That the final public hearing to adopt a final millage rate and budgets for the fiscal year will be held at One Golden Beach Drive, Golden Beach, Florida, on Thursday, September 26, 2019 at 7:00 p.m.

Section 5. That the Town Clerk is hereby directed to advertise said public hearing as required by law.

Section 6. That this resolution shall be effective immediately upon adoption.

Sponsored by the **Town Administration**.

The Motion to adopt the foregoing resolution was offered by _____, seconded by _____, and on roll call the following vote ensued:

Mayor Glenn Singer	___
Vice Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED by the Town Council of the Town of Golden Beach, Florida, this 17th day of September, 2019.

_____
MAYOR GLENN SINGER

ATTEST:

_____
LISSETTE PEREZ
TOWN CLERK

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

_____
STEPHEN J. HELFMAN
TOWN ATTORNEY

TOWN OF GOLDEN BEACH, FLORIDA

RESOLUTION NO. 2638.19

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, ADOPTING THE TENTATIVE BUDGETS FOR THE FISCAL YEAR COMMENCING OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020 PURSUANT TO FLORIDA STATUTE 200.065 (TRIM BILL); PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Town Manager presented to the Town Council a "Proposed Operating and Capital Budget" for the fiscal year commencing October 1, 2019 and the Town Council scheduled the public hearing required by Section 200.065(2)(c) of the Florida Statutes to be held on September 17, 2019 at 7:00 p.m.; and

WHEREAS, the Property Appraiser has properly noticed the public hearing scheduled for September 17, 2019 at 7:00 p.m. in the Council Chamber, located at One Golden Beach Drive, Golden Beach, Florida, as required by Chapter 200 of the Florida Statutes; and

WHEREAS, said public hearing, as required by Section 200.065(2)(c), was held by the Town Council on September 17, 2019, commencing at 7:00 p.m., as previously noticed and the public and all interested parties having had an opportunity to address their comments to the Town Council and the Town Council having had an opportunity to amend the tentative budgets as it deemed appropriate and having considered the comments of the public regarding the tentative budgets and having complied with the "TRIM" requirements of the Florida Statutes.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA AS FOLLOWS:

Section 1. Upon final adoption of the proposed millage rate, which is hereby ratified, the attached tentative budgets of the Town of Golden Beach for the fiscal year commencing October 1, 2019 are hereby approved and adopted.

Section 2. This resolution shall be effective immediately upon adoption.

Section 3. That a public hearing to adopt the final budgets for the fiscal year will be held at One Golden Beach Drive, Golden Beach, Florida on Thursday, September 26, 2019 at 7:00 p.m.

Sponsored by the **Town Administration.**

The Motion to adopt the foregoing resolution was offered by _____, seconded by _____, and on roll call the following vote ensued:

Mayor Glenn Singer	___
Vice Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED by the Town Council of the Town of Golden Beach, Florida, this 17th day of September, 2019.

_____
MAYOR GLENN SINGER

ATTEST:

_____
LISSETTE PEREZ
TOWN CLERK

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

_____
STEPHEN J. HELFMAN
TOWN ATTORNEY

TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

M E M O R A N D U M

Date: September 17, 2019

Item Number: 3

To: Honorable Mayor Glenn Singer & Town Council Members

From: Alexander Diaz, Town Manger

Subject: **Ordinance No. 588.19 – Amending Code, Division 11, "Accessory Building", Section 66-261 – Rooftop Activities**

Recommendation:

It is recommended that the Town Council adopt the attached Ordinance No. 588.19 as presented.

Background:

When the Town Council enacted an Ordinance allowing for rooftop activities in Zone One, the Ordinance did not differentiate between regular lots and undersized lots. This oversight has caused undersized lots to have diminished capacity of usable space in the area designated for rooftop activities.

This Ordinance provides for a reasonable utilization of the area designated for rooftop activities to undersized lots by applying the ground floor setbacks to the rooftop areas. In doing so, the area of usable space will now afford the homeowners an area that has functionality.

Fiscal Impact:

None.

TOWN OF GOLDEN BEACH, FLORIDA

ORDINANCE NO. 588.19

AN ORDINANCE OF THE TOWN OF GOLDEN BEACH, FLORIDA, AMENDING THE TOWN'S CODE OF ORDINANCES TO REVISE CHAPTER 66, "ZONING," BY AMENDING SECTION 66-261, "ROOFTOP ACTIVITIES", PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town Council periodically studies land development trends and issues and amends the Town's Land Development Regulations accordingly; and

WHEREAS, on February 20, 2018, the Town Council adopted Ordinance No. 577.18, which among other things provided for the useable area of rooftop terraces within Zone One; and

WHEREAS, the Town has determined that because a substantial number of lots within Zone One [nineteen (19)] are below standard widths, the impact of the regulations severely restricts the usable area of the roof for those lots; and

WHEREAS, The Town Council wishes to further amend the regulations to allow for the reasonable use of all rooftops within Zone One; and

WHEREAS, a public meeting was held before the Local Planning Agency (LPA) of the Town to review the proposed modifications to the Town's Land Development Regulations; and

WHEREAS, the Town Council held duly advertised public meetings to consider the proposed modifications to the Town's Land Development Regulations.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF GOLDEN BEACH, FLORIDA:

Section 1. Recitals Adopted. That the preceding "Whereas" clauses are ratified and incorporated as a record of the legislative intent of this Ordinance.

Section 2. Code Amended. That the Town of Golden Beach Code is hereby amended to modify Division 11. "Accessory Buildings," of Article IV, "Supplemental District Regulations," of Chapter 66, "Zoning" as follows[1]:

CHAPTER 66 ZONING

* * *

ARTICLE IV. SUPPLEMENTAL DISTRICT REGULATIONS

* * *

DIVISION 11. ACCESSORY BUILDINGS AND USES

* * *

Sec. 66-261. – Rooftop activities.

(a) Except as specified below in this Section, the use of the roof of a residential structure for passive leisure activities, including, but not limited to, entertainment and other leisure and recreational activities, is prohibited.

(b) Within Zone One, the roof of the highest roofed structure may be used for passive leisure activities, including entertainment and other passive recreational / leisure uses subject to the following limitations:

(1) The lot must be at least 7,500 square feet in area.

(2) The usable area of the roof must be set back a minimum of ten feet (10') from the edge of the roof in all directions except from the rear (ocean front), where no setback is required; ~~.~~ however, for lots of less than sixty four (64) feet in width, the useable area may be reduced to seven and one half feet (7' 6") from the edge of the roof in all directions except the rear (ocean front), where no setback is required.

[1] Additions to the text are shown in underline. Deletions to the text are shown in ~~strikethrough~~.

(3) The rooftop area shall not be improved with any permanent structures or the placement of any temporary or permanent fixtures or equipment except a safety railing up to 48 inches in height. Outdoor furniture such as chairs, sofas, and tables, and pots and planters are permitted. Additionally, within the approval of the Building Regulation Advisory Board, a hot tub/spa may be placed on the rooftop.

(4) No amplified or live music shall be permitted on the roof.

(5) An elevator and any covered elevator vestibule serving the rooftop shall be limited to an area of no more than 110 square feet. Any elevator and any covered elevator vestibule, if permitted, shall be placed near the center of the rooftop, but not less than 7.5 feet from the edge of the roof on lots less than 75 feet in width, or less than 10 feet from the edge of the roof on lots 75 feet or more in width.

(6) Staircases may extend from lower floors or the ground level to the rooftop, but must comply with the setback and yard projection provisions set forth in Sec. 66-141(b). Safety railings up to 48 inches in height for staircases are allowed, provided they meet the above setback and yard projections. Once at the rooftop railings must terminate at or connect directly to any railings surrounding the usable passive leisure activity area set forth in subsection (2) above. Any portion of a staircase railing constructed above the rooftop shall be designed with an open appearance (no walls).

* * *

Section 3. Code Amended. That is any section, paragraph, sentence or word of this Ordinance or the application thereof to any person or circumstance is held invalid, that the invalidity shall not affect the other sections, paragraphs, sentences, words or application of this Ordinance.

Section 4. Codification. That it is the intention of the Town Council of Golden Beach, and it is therefore ordained, that the provisions of the Ordinance shall become and be made a part of the Town of Golden Beach Code of Ordinances, that sections of this Ordinance may be re-numbered or re-lettered to accomplish

such intentions, and that the word “Ordinance” shall be changed to “Section” or other appropriate word.

Section 5. Repealer. That all Ordinances, parts of Ordinances, Resolutions or parts of Resolutions in conflict herewith be and the same are hereby repealed to the extent of such conflict.

Section 6. Effective Date. That this Ordinance shall be in full force and take effect immediately upon its passage and adoption.

The Motion to adopt the foregoing Ordinance was offered by Councilmember Lusskin, seconded by Vice Mayor Bernstein, and on roll call the

Mayor Glenn Singer	Aye
Vice-Mayor Kenneth Bernstein	Aye
Councilmember Judy Lusskin	Aye
Councilmember Jaime Mendal	Absent
Councilmember Bernard Einstein	Aye

PASSED AND ADOPTED on first reading this 17th day of June, 2019.

The Motion to adopt the foregoing Ordinance was offered by _____, seconded by _____, and on roll call the following vote ensued:

Mayor Glenn Singer	___
Vice-Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED on second reading this 20th day of August, 2019.

ATTEST:

_____
MAYOR GLENN SINGER

_____
LISSETTE PEREZ
TOWN CLERK

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

_____
STEPHEN J. HELFMAN
TOWN ATTORNEY

TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

M E M O R A N D U M

Date: September 17, 2019

Item Number: 4

To: Honorable Mayor Glenn Singer & Town Council Members

From: Alexander Diaz, Town Manger

Subject: **Ordinance No. 589.19 – Amending Code, Chapter 62 Floods to Adopt Procedures and Criteria for Flood Hazard Areas**

Recommendation:

It is recommended that the Town Council adopt the attached Ordinance No. 589.19 as presented.

Background:

The Florida Department of Emergency Management, State Floodplain Manager is requiring that all Municipalities adopt a model FEMA approved, Florida Building Code-coordinated tailored Flood Ordinance for our community to streamline the process for Floodplain Management.

Fiscal Impact:

None.

TOWN OF GOLDEN BEACH, FLORIDA

ORDINANCE NO. 589.19

AN ORDINANCE BY THE TOWN COUNCIL AMENDING THE TOWN OF GOLDEN BEACH CODE OF ORDINANCES TO REPEAL LAND DEVELOPMENT REGULATIONS CHAPTER 62 FLOODS; TO ADOPT A NEW CHAPTER 62 FLOODS; TO ADOPT FLOOD HAZARD MAPS, TO DESIGNATE A FLOODPLAIN ADMINISTRATOR, TO ADOPT PROCEDURES AND CRITERIA FOR DEVELOPMENT IN FLOOD HAZARD AREAS, AND FOR OTHER PURPOSES; PROVIDING FOR APPLICABILITY; SEVERABILITY; AND AN EFFECTIVE DATE.

WHEREAS, the Legislature of the State of Florida has, in Chapter 166, Florida Statutes, conferred upon local governments the authority to adopt regulations designed to promote the public health, safety, and general welfare of its citizenry; and

WHEREAS, the Federal Emergency Management Agency has identified special flood hazard areas within the boundaries of the Town of Golden Beach and such areas may be subject to periodic inundation which may result in loss of life and property, health and safety hazards, disruption of commerce and governmental services, extraordinary public expenditures for flood protection and relief, and impairment of the tax base, all of which adversely affect the public health, safety and general welfare, and

WHEREAS, the Town of Golden Beach was accepted for participation in the National Flood Insurance Program on September 29, 1972 and the Town Council desires to continue to meet the requirements of Title 44 Code of Federal Regulations, Sections 59 and 60, necessary for such participation; and

WHEREAS, Chapter 553, Florida Statutes, was adopted by the Florida Legislature to provide a mechanism for the uniform adoption, updating, amendment, interpretation and enforcement of a state building code, called the *Florida Building Code*; and

WHEREAS, the Town Council previously adopted requirements to: (1) limit partitioning of enclosed areas below elevated buildings and to limit access to enclosed

areas; (2) require buildings that sustain repetitive damage over a 10-year period to be included in the definition of "substantial damage"; and (3) to specify required certifications, prior to July 1, 2010; and, pursuant to Chapter 8 Article III of the Miami-Dade County Code and section 553.73(5), F. S., is formatting that requirement to coordinate with the Florida Building Code;

WHEREAS, the Town Council has determined that it is in the public interest to adopt the proposed floodplain management regulations that are coordinated with the *Florida Building Code.*

NOW, THEREFORE, BE IT ORDAINED by the Town Council of the Town of Golden Beach that the following floodplain management regulations are hereby adopted.

Section 1. Recitals Adopted.

The foregoing whereas clauses are incorporated herein by reference and made a part hereof.

Section 2. Code Amended. This ordinance specifically repeals and replaces the following ordinance(s) and regulation(s): Chapter 62 Floods.

ARTICLE I ADMINISTRATION

SECTION 62-1 GENERAL

(a) Title. These regulations shall be known as the *Floodplain Management Ordinance* of the Town of Golden Beach, hereinafter referred to as "this ordinance."

(b) Scope. The provisions of this ordinance shall apply to all development that is wholly within or partially within any flood hazard area, including but not limited to the subdivision of land; filling, grading, and other site improvements and utility installations; construction, alteration, remodeling, enlargement, improvement, replacement, repair, relocation or demolition of buildings, structures, and facilities that are exempt from the *Florida Building Code*; installation or replacement of tanks; placement of recreational vehicles; installation of swimming pools; and any other development.

(c) Intent. The purposes of this ordinance and the flood load and flood resistant construction requirements of the *Florida Building Code* are to establish minimum requirements to safeguard the public health, safety, and general welfare and to minimize public and private losses due to flooding through regulation of development in flood hazard areas to:

(1) Minimize unnecessary disruption of commerce, access and public service during times of flooding;

(2) Require the use of appropriate construction practices in order to prevent or minimize future flood damage;

(3) Manage filling, grading, dredging, mining, paving, excavation, drilling operations, storage of equipment or materials, and other development which may increase flood damage or erosion potential;

(4) Manage the alteration of flood hazard areas, watercourses, and shorelines to minimize the impact of development on the natural and beneficial functions of the floodplain;

(5) Minimize damage to public and private facilities and utilities;

(6) Help maintain a stable tax base by providing for the sound use and development of flood hazard areas;

(7) Minimize the need for future expenditure of public funds for flood control projects and response to and recovery from flood events; and

(8) Meet the requirements of the National Flood Insurance Program for community participation as set forth in Title 44 Code of Federal Regulations, Section 59.22.

(d) Coordination with the *Florida Building Code*. This ordinance is intended to be administered and enforced in conjunction with the *Florida Building Code*. Where cited,

ASCE 24 refers to the edition of the standard that is referenced by the *Florida Building Code.*

(e) Warning. The degree of flood protection required by this ordinance and the *Florida Building Code*, as amended by this community, is considered the minimum reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur. Flood heights may be increased by man-made or natural causes. This ordinance does not imply that land outside of mapped special flood hazard areas, or that uses permitted within such flood hazard areas, will be free from flooding or flood damage. The flood hazard areas and base flood elevations contained in the Flood Insurance Study and shown on Flood Insurance Rate Maps and the requirements of Title 44 Code of Federal Regulations, Sections 59 and 60 may be revised by the Federal Emergency Management Agency, requiring this community to revise these regulations to remain eligible for participation in the National Flood Insurance Program. No guaranty of vested use, existing use, or future use is implied or expressed by compliance with this ordinance.

(f) Disclaimer of Liability. This ordinance shall not create liability on the part of the Town Council of the Town of Golden Beach or by any officer or employee thereof for any flood damage that results from reliance on this ordinance or any administrative decision lawfully made thereunder.

SECTION 62-2 APPLICABILITY

(a) General. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

(b) Areas to which this ordinance applies. This ordinance shall apply to all flood hazard areas within the Town of Golden Beach, as established in Section 62-2(c) of this ordinance.

(c) Basis for establishing flood hazard areas. The Flood Insurance Study for Miami-Dade County, Florida and Incorporated Areas dated September 11, 2009, and all subsequent amendments and revisions, and the accompanying Flood Insurance Rate Maps

(FIRM), and all subsequent amendments and revisions to such maps, are adopted by reference as a part of this ordinance and shall serve as the minimum basis for establishing flood hazard areas. Studies and maps that establish flood hazard areas are on file at the Town Hall, 1 Golden Beach Drive.

(d) Submission of additional data to establish flood hazard areas. To establish flood hazard areas and base flood elevations, pursuant to Section 62-5 of this ordinance the Floodplain Administrator may require submission of additional data. Where field surveyed topography prepared by a Florida licensed professional surveyor or digital topography accepted by the community indicates that ground elevations:

(1) Are below the closest applicable base flood elevation, even in areas not delineated as a special flood hazard area on a FIRM, the area shall be considered as flood hazard area and subject to the requirements of this ordinance and, as applicable, the requirements of the *Florida Building Code*.

(2) Are above the closest applicable base flood elevation, the area shall be regulated as special flood hazard area unless the applicant obtains a Letter of Map Change that removes the area from the special flood hazard area.

(e) Other laws. The provisions of this ordinance shall not be deemed to nullify any provisions of local, state or federal law.

(f) Abrogation and greater restrictions. This ordinance supersedes any ordinance in effect for management of development in flood hazard areas. However, it is not intended to repeal or abrogate any existing ordinances including but not limited to land development regulations, zoning ordinances, stormwater management regulations, or the *Florida Building Code*. In the event of a conflict between this ordinance and any other ordinance, the more restrictive shall govern. This ordinance shall not impair any deed restriction, covenant or easement, but any land that is subject to such interests shall also be governed by this ordinance.

(g) Interpretation. In the interpretation and application of this ordinance, all provisions shall be:

(1) Considered as minimum requirements;

(2) Liberally construed in favor of the governing body; and

(3) Deemed neither to limit nor repeal any other powers granted under state statutes.

SECTION 62-3 DUTIES AND POWERS OF THE FLOODPLAIN ADMINISTRATOR

(a) Designation. The Town Manager is designated as the Floodplain Administrator. The Floodplain Administrator may delegate performance of certain duties to other employees.

(b) General. The Floodplain Administrator is authorized and directed to administer and enforce the provisions of this ordinance. The Floodplain Administrator shall have the authority to render interpretations of this ordinance consistent with the intent and purpose of this ordinance and may establish policies and procedures in order to clarify the application of its provisions. Such interpretations, policies, and procedures shall not have the effect of waiving requirements specifically provided in this ordinance without the granting of a variance pursuant to Section 62-7 of this ordinance.

(c) Applications and permits. The Floodplain Administrator, in coordination with other pertinent offices of the community, shall:

(1) Review applications and plans to determine whether proposed new development will be located in flood hazard areas;

(2) Review applications for modification of any existing development in flood hazard areas for compliance with the requirements of this ordinance;

(3) Interpret flood hazard area boundaries where such interpretation is necessary to determine the exact location of boundaries; a person contesting the determination shall have the opportunity to appeal the interpretation;

(4) Provide available flood elevation and flood hazard information;

(5) Determine whether additional flood hazard data shall be obtained from other sources or shall be developed by an applicant;

(6) Review applications to determine whether proposed development will be reasonably safe from flooding;

(7) Issue floodplain development permits or approvals for development other than buildings and structures that are subject to the *Florida Building Code*, including buildings, structures and facilities exempt from the *Florida Building Code*, when compliance with this ordinance is demonstrated, or disapprove the same in the event of noncompliance; and

(8) Coordinate with and provide comments to the Building Official to assure that applications, plan reviews, and inspections for buildings and structures in flood hazard areas comply with the applicable provisions of this ordinance.

(d) Substantial improvement and substantial damage determinations. For applications for building permits to improve buildings and structures, including alterations, movement, enlargement, replacement, repair, change of occupancy, additions, rehabilitations, renovations, substantial improvements, repairs of substantial damage, and any other improvement of or work on such buildings and structures, the Floodplain Administrator, in coordination with the Building Official, shall:

(1) Estimate the market value, or require the applicant to obtain an appraisal of the market value prepared by a qualified independent appraiser, of the building or structure before the start of construction of the proposed work; in the case of repair, the market value of the building or structure shall be the market value before the damage occurred and before any repairs are made;

(2) Compare the cost to perform the improvement, the cost to repair a damaged building to its pre-damaged condition, or the combined costs of improvements and repairs, if applicable, to the market value of the building or structure;

(3) Determine and document whether the proposed work constitutes substantial improvement or repair of substantial damage; for proposed work to repair damage caused by flooding, the determination requires evaluation of previous permits issued to repair flood-related damage as specified in the definition of "substantial damage"; and

(4) Notify the applicant if it is determined that the work constitutes substantial improvement or repair of substantial damage and that compliance with the flood resistant construction requirements of the *Florida Building Code* and this ordinance is required.

(e) Modifications of the strict application of the requirements of the *Florida Building Code*. The Floodplain Administrator shall review requests submitted to the Building Official that seek approval to modify the strict application of the flood load and flood resistant construction requirements of the *Florida Building Code* to determine whether such requests require the granting of a variance pursuant to Section 62-7 of this ordinance.

(f) Notices and orders. The Floodplain Administrator shall coordinate with appropriate local agencies for the issuance of all necessary notices or orders to ensure compliance with this ordinance.

(g) Inspections. The Floodplain Administrator shall make the required inspections as specified in Section 62-6 of this ordinance for development that is not subject to the *Florida Building Code,* including buildings, structures and facilities exempt from the *Florida Building Code*. The Floodplain Administrator shall inspect flood hazard areas to determine if development is undertaken without issuance of a permit.

(h) Other duties of the Floodplain Administrator. The Floodplain Administrator shall have other duties, including but not limited to:

(1) Establish, in coordination with the Building Official, procedures for administering and documenting determinations of substantial improvement and substantial damage made pursuant to Section 62-3(d) of this ordinance;

(2) Require applicants who submit hydrologic and hydraulic engineering analyses to support permit applications to submit to FEMA the data and information necessary to maintain the Flood Insurance Rate Maps if the analyses propose to change base flood elevations, or flood hazard area boundaries; such submissions shall be made within 6 months of such data becoming available;

(3) Review required design certifications and documentation of elevations specified by this ordinance and the *Florida Building Code* to determine that such certifications and documentations are complete;

(4) Notify the Federal Emergency Management Agency when the corporate boundaries of Town of Golden Beach are modified; and

(5) Advise applicants for new buildings and structures, including substantial improvements, that are located in any unit of the Coastal Barrier Resources System established by the Coastal Barrier Resources Act (Pub. L. 97-348) and the Coastal Barrier Improvement Act of 1990 (Pub. L. 101-591) that federal flood insurance is not available on such construction; areas subject to this limitation are identified on Flood Insurance Rate Maps as “Coastal Barrier Resource System Areas” and “Otherwise Protected Areas.”

(i) Floodplain management records. Regardless of any limitation on the period required for retention of public records, the Floodplain Administrator shall maintain and permanently

keep and make available for public inspection all records that are necessary for the administration of this ordinance and the flood resistant construction requirements of the *Florida Building Code*, including Flood Insurance Rate Maps; Letters of Map Change; records of issuance of permits and denial of permits; determinations of whether proposed work constitutes substantial improvement or repair of substantial damage; required design certifications and documentation of elevations specified by the *Florida Building Code* and this ordinance; documentation related to appeals and variances, including justification for issuance or denial; and records of enforcement actions taken pursuant to this ordinance and the flood resistant construction requirements of the *Florida Building Code*. These records shall be available for public inspection at Town Hall, 1 Golden Beach Drive.

SECTION 62-4 PERMITS

(a) Permits required. Any owner or owner's authorized agent (hereinafter "applicant") who intends to undertake any development activity within the scope of this ordinance, including buildings, structures and facilities exempt from the *Florida Building Code*, which is wholly within or partially within any flood hazard area shall first make application to the Floodplain Administrator, and the Building Official if applicable, and shall obtain the required permit(s) and approval(s). No such permit or approval shall be issued until compliance with the requirements of this ordinance and all other applicable codes and regulations has been satisfied.

(b) Floodplain development permits or approvals. Floodplain development permits or approvals shall be issued pursuant to this ordinance for any development activities not subject to the requirements of the *Florida Building Code,* including buildings, structures and facilities exempt from the *Florida Building Code*. Depending on the nature and extent of proposed development that includes a building or structure, the Floodplain Administrator may determine that a floodplain development permit or approval is required in addition to a building permit.

(c) Buildings, structures and facilities exempt from the *Florida Building Code*. Pursuant to the requirements of federal regulation for participation in the National Flood Insurance Program (44 C.F.R. Sections 59 and 60), floodplain development permits or approvals shall be required for the following buildings, structures and facilities that are exempt from the *Florida Building Code* and any further exemptions provided by law, which are subject to the requirements of this ordinance:

(1) Railroads and ancillary facilities associated with the railroad.

(2) Nonresidential farm buildings on farms, as provided in section 604.50, F.S.

(3) Temporary buildings or sheds used exclusively for construction purposes.

(4) Mobile or modular structures used as temporary offices.

(5) Those structures or facilities of electric utilities, as defined in section 366.02, F.S., which are directly involved in the generation, transmission, or distribution of electricity.

(6) Chickees constructed by the Miccosukee Tribe of Indians of Florida or the Seminole Tribe of Florida. As used in this paragraph, the term “chickee” means an open-sided wooden hut that has a thatched roof of palm or palmetto or other traditional materials, and that does not incorporate any electrical, plumbing, or other non-wood features.

(7) Family mausoleums not exceeding 250 square feet in area which are prefabricated and assembled on site or preassembled and delivered on site and have walls, roofs, and a floor constructed of granite, marble, or reinforced concrete.

(8) Temporary housing provided by the Department of Corrections to any prisoner in the state correctional system.

(9) Structures identified in section 553.73(10)(k), F.S., are not exempt from the *Florida Building Code* if such structures are located in flood hazard areas established on Flood Insurance Rate Maps

(d) Application for a permit or approval. To obtain a floodplain development permit or approval the applicant shall first file an application in writing on a form furnished by the community. The information provided shall:

(1) Identify and describe the development to be covered by the permit or approval.

(2) Describe the land on which the proposed development is to be conducted by legal description, street address or similar description that will readily identify and definitively locate the site.

(3) Indicate the use and occupancy for which the proposed development is intended.

(4) Be accompanied by a site plan or construction documents as specified in Section 62-5 of this ordinance.

(5) State the valuation of the proposed work.

(6) Be signed by the applicant or the applicant's authorized agent.

(7) Give such other data and information as required by the Floodplain Administrator.

(e) Validity of permit or approval. The issuance of a floodplain development permit or approval pursuant to this ordinance shall not be construed to be a permit for, or approval of, any violation of this ordinance, the *Florida Building Codes*, or any other ordinance of this community. The issuance of permits based on submitted applications, construction documents, and information shall not prevent the Floodplain Administrator from requiring the correction of errors and omissions.

(f) Expiration. A floodplain development permit or approval shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the

work authorized is suspended or abandoned for a period of 180 days after the work commences. Extensions for periods of not more than 180 days each shall be requested in writing and justifiable cause shall be demonstrated.

(g) Suspension or revocation. The Floodplain Administrator is authorized to suspend or revoke a floodplain development permit or approval if the permit was issued in error, on the basis of incorrect, inaccurate or incomplete information, or in violation of this ordinance or any other ordinance, regulation or requirement of this community.

(h) Other permits required. Floodplain development permits and building permits shall include a condition that all other applicable state or federal permits be obtained before commencement of the permitted development, including but not limited to the following:

(1) The South Florida Water Management District; section 373.036, F.S.

(2) Florida Department of Health for onsite sewage treatment and disposal systems; section 381.0065, F.S. and Chapter 64E-6, F.A.C.

(3) Florida Department of Environmental Protection for construction, reconstruction, changes, or physical activities for shore protection or other activities seaward of the coastal construction control line; section 161.041, F.S.

(4) Florida Department of Environmental Protection for activities subject to the Joint Coastal Permit; section 161.055, F.S.

(5) Florida Department of Environmental Protection for activities that affect wetlands and alter surface water flows, in conjunction with the U.S. Army Corps of Engineers; Section 404 of the Clean Water Act.

(6) Federal permits and approvals.

SECTION 62-5 SITE PLANS AND CONSTRUCTION DOCUMENTS

(a) Information for development in flood hazard areas. The site plan or construction documents for any development subject to the requirements of this ordinance shall be drawn to scale and shall include, as applicable to the proposed development:

(1) Delineation of flood hazard areas, flood zone(s), base flood elevation(s), and ground elevations if necessary for review of the proposed development.

(2) Location of the proposed activity and proposed structures, and locations of existing buildings and structures; in coastal high hazard areas, new buildings shall be located landward of the reach of mean high tide.

(3) Location, extent, amount, and proposed final grades of any filling, grading, or excavation.

(4) Where the placement of fill is proposed, the amount, type, and source of fill material; compaction specifications; a description of the intended purpose of the fill areas; and evidence that the proposed fill areas are the minimum necessary to achieve the intended purpose.

(5) Delineation of the Coastal Construction Control Line or notation that the site is seaward of the coastal construction control line, if applicable.

(6) Extent of any proposed alteration of sand dunes or mangrove stands, provided such alteration is approved by the Florida Department of Environmental Protection.

The Floodplain Administrator is authorized to waive the submission of site plans, construction documents, and other data that are required by this ordinance but that are not required to be prepared by a registered design professional if it is found that the nature of the proposed development is such that the review of such submissions is not necessary to

ascertain compliance with this ordinance.

(b) Additional analyses and certifications. As applicable to the location and nature of the proposed development activity, and in addition to the requirements of this section, the applicant shall have the following analyses signed and sealed by a Florida licensed engineer for submission with the site plan and construction documents:

(1) For activities that propose to alter sand dunes or mangrove stands in coastal high hazard areas (Zone V), an engineering analysis that demonstrates that the proposed alteration will not increase the potential for flood damage.

(c) Submission of additional data. When additional hydrologic, hydraulic or other engineering data, studies, and additional analyses are submitted to support an application, the applicant has the right to seek a Letter of Map Change from FEMA to change the base flood elevations, or change boundaries of flood hazard areas shown on FIRMs, and to submit such data to FEMA for such purposes. The analyses shall be prepared by a Florida licensed engineer in a format required by FEMA. Submittal requirements and processing fees shall be the responsibility of the applicant.

SECTION 62-6 INSPECTIONS

(a) General. Development for which a floodplain development permit or approval is required shall be subject to inspection.

(b) Development other than buildings and structures. The Floodplain Administrator shall inspect all development to determine compliance with the requirements of this ordinance and the conditions of issued floodplain development permits or approvals.

(c) Buildings, structures and facilities exempt from the *Florida Building Code*. The Floodplain Administrator shall inspect buildings, structures and facilities exempt from the *Florida Building Code* to determine compliance with the requirements of this ordinance and the conditions of issued floodplain development permits or approvals.

(d) Buildings, structures and facilities exempt from the *Florida Building Code*, lowest floor inspection. Upon placement of the lowest floor, including basement, and prior to further vertical construction, the owner of a building, structure or facility exempt from the *Florida Building Code,* or the owner's authorized agent, shall submit to the Floodplain Administrator**:**

(1) If a design flood elevation was used to determine the required elevation of the lowest floor, the certification of elevation of the lowest floor prepared and sealed by a Florida licensed professional surveyor.

(e) Buildings, structures and facilities exempt from the *Florida Building Code*, final inspection. As part of the final inspection, the owner or owner's authorized agent shall submit to the Floodplain Administrator a final certification of elevation of the lowest floor or final documentation of the height of the lowest floor above the highest adjacent grade; such certifications and documentations shall be prepared as specified in Section 62-6(d) of this ordinance.

SECTION 62-7 VARIANCES AND APPEALS

(a) General. The Town Council shall hear and decide on requests for appeals and requests for variances from the strict application of this ordinance. Pursuant to section 553.73(5), F.S., the Town Council shall hear and decide on requests for appeals and requests for variances from the strict application of the flood resistant construction requirements of the *Florida Building Code*. This section does not apply to Section 3109 of the *Florida Building Code, Building.*

(b) Appeals. The Town Council shall hear and decide appeals when it is alleged there is an error in any requirement, decision, or determination made by the Floodplain Administrator in the administration and enforcement of this ordinance. Any person

aggrieved by the decision may appeal such decision to the Circuit Court, as provided by Florida Statutes.

(c) Limitations on authority to grant variances. The Town Council shall base its decisions on variances on technical justifications submitted by applicants, the considerations for issuance in Section 62-7(f) of this ordinance, the conditions of issuance set forth in Section 62-7(g) of this ordinance, and the comments and recommendations of the Floodplain Administrator and the Building Official. The Town Council has the right to attach such conditions as it deems necessary to further the purposes and objectives of this ordinance.

(d) Historic buildings. A variance is authorized to be issued for the repair, improvement, or rehabilitation of a historic building that is determined eligible for the exception to the flood resistant construction requirements of the *Florida Building Code, Existing Building*, Chapter 12 Historic Buildings, upon a determination that the proposed repair, improvement, or rehabilitation will not preclude the building's continued designation as a historic building and the variance is the minimum necessary to preserve the historic character and design of the building. If the proposed work precludes the building's continued designation as a historic building, a variance shall not be granted and the building and any repair, improvement, and rehabilitation shall be subject to the requirements of the *Florida Building Code*.

(e) Functionally dependent uses. A variance is authorized to be issued for the construction or substantial improvement necessary for the conduct of a functionally dependent use, as defined in this ordinance, is the minimum necessary considering the flood hazard, and all due consideration has been given to use of methods and materials that minimize flood damage during occurrence of the base flood.

(f) Considerations for issuance of variances. In reviewing requests for variances, the Town Council shall consider all technical evaluations, all relevant factors, all other applicable provisions of the *Florida Building Code*, this ordinance, and the following:

(1) The danger that materials and debris may be swept onto other lands resulting in further injury or damage;

(2) The danger to life and property due to flooding or erosion damage;

(3) The susceptibility of the proposed development, including contents, to flood damage and the effect of such damage on current and future owners;

(4) The importance of the services provided by the proposed development to the community;

(5) The availability of alternate locations for the proposed development that are subject to lower risk of flooding or erosion;

(6) The compatibility of the proposed development with existing and anticipated development;

(7) The relationship of the proposed development to the comprehensive plan and floodplain management program for the area;

(8) The safety of access to the property in times of flooding for ordinary and emergency vehicles;

(9) The expected heights, velocity, duration, rate of rise and debris and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site; and

(10) The costs of providing governmental services during and after flood conditions including maintenance and repair of public utilities and facilities such as sewer, gas, electrical and water systems, streets and bridges.

(g) Conditions for issuance of variances. Variances shall be issued only upon:

(1) Submission by the applicant, of a showing of good and sufficient cause that the

unique characteristics of the size, configuration, or topography of the site limit compliance with any provision of this ordinance or the required elevation standards;

(2) Determination by the Town Council that:

(a) Failure to grant the variance would result in exceptional hardship due to the physical characteristics of the land that render the lot undevelopable; increased costs to satisfy the requirements or inconvenience do not constitute hardship;

(b) The granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, nor create nuisances, cause fraud on or victimization of the public or conflict with existing local laws and ordinances; and

(c) The variance is the minimum necessary, considering the flood hazard, to afford relief;

(3) Receipt of a signed statement by the applicant that the variance, if granted, shall be recorded in the Office of the Clerk of the Court in such a manner that it appears in the chain of title of the affected parcel of land; and

(4) If the request is for a variance to allow construction of the lowest floor of a new building, or substantial improvement of a building, below the required elevation, a copy in the record of a written notice from the Floodplain Administrator to the applicant for the variance, specifying the difference between the base flood elevation and the proposed elevation of the lowest floor, stating that the cost of federal flood insurance will be commensurate with the increased risk resulting from the reduced floor elevation (up to amounts as high as $25 for $100 of insurance coverage), and stating that construction below the base flood elevation increases risks to life and

property.

SECTION 62-8 VIOLATIONS

(a) Violations. Any development that is not within the scope of the *Florida Building Code* but that is regulated by this ordinance that is performed without an issued permit, that is in conflict with an issued permit, or that does not fully comply with this ordinance, shall be deemed a violation of this ordinance. A building or structure without the documentation of elevation of the lowest floor, other required design certifications, or other evidence of compliance required by this ordinance or the *Florida Building Code* is presumed to be a violation until such time as that documentation is provided.

(b) Authority. For development that is not within the scope of the *Florida Building Code* but that is regulated by this ordinance and that is determined to be a violation, the Floodplain Administrator is authorized to serve notices of violation or stop work orders to owners of the property involved, to the owner's agent, or to the person or persons performing the work.

(c) Unlawful continuance. Any person who shall continue any work after having been served with a notice of violation or a stop work order, except such work as that person is directed to perform to remove or remedy a violation or unsafe condition, shall be subject to penalties as prescribed by law**.**

ARTICLE II DEFINITIONS

SECTION 62-9 GENERAL

(a) Scope. Unless otherwise expressly stated, the following words and terms shall, for the purposes of this ordinance, have the meanings shown in this section.

(b) Terms defined in the *Florida Building Code*. Where terms are not defined in this ordinance and are defined in the *Florida Building Code*, such terms shall have the meanings ascribed to them in that code.

(c) Terms not defined. Where terms are not defined in this ordinance or the *Florida Building Code*, such terms shall have ordinarily accepted meanings such as the context implies.

SECTION 62-10 DEFINITIONS

Appeal. A request for a review of the Floodplain Administrator's interpretation of any provision of this ordinance.

ASCE 24. A standard titled *Flood Resistant Design and Construction* that is referenced by the *Florida Building Code*. ASCE 24 is developed and published by the American Society of Civil Engineers, Reston, VA.

Base flood. A flood having a 1-percent chance of being equaled or exceeded in any given year. [Also defined in FBC, B, Section 202.] The base flood is commonly referred to as the "100-year flood" or the "1-percent-annual chance flood."

Base flood elevation. The elevation of the base flood, including wave height, relative to the National Geodetic Vertical Datum (NGVD), North American Vertical Datum (NAVD) or other datum specified on the Flood Insurance Rate Map (FIRM). [Also defined in FBC, B, Section 202.]

Basement. The portion of a building having its floor subgrade (below ground level) on all sides. [Also defined in FBC, B, Section 202; see "Basement (for flood loads)".]

Coastal construction control line. The line established by the State of Florida pursuant to section 161.053, F.S., and recorded in the official records of the community, which defines that portion of the beach-dune system subject to severe fluctuations based on a 100-year storm surge, storm waves or other predictable weather conditions.

Coastal high hazard area. A special flood hazard area extending from offshore to the inland limit of a primary frontal dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Coastal high hazard areas are also referred to as "high hazard areas subject to high velocity wave action" or "V Zones" and are designated on Flood Insurance Rate Maps (FIRM) as Zone V1-V30, VE, or V.

Design flood. The flood associated with the greater of the following two areas: [Also defined in FBC, B, Section 202.]

(1) Area with a floodplain subject to a 1-percent or greater chance of flooding in any year; or

(2) Area designated as a flood hazard area on the community's flood hazard map, or otherwise legally designated.

Design flood elevation. The elevation of the "design flood," including wave height, relative to the datum specified on the community's legally designated flood hazard map. In areas designated as Zone AO, the design flood elevation shall be the elevation of the highest existing grade of the building's perimeter plus the depth number (in feet) specified on the flood hazard map. In areas designated as Zone AO where the depth number is not specified on the map, the depth number shall be taken as being equal to 2 feet. [Also defined in FBC, B, Section 202.]

Development. Any man-made change to improved or unimproved real estate, including but not limited to, buildings or other structures, tanks, temporary structures, temporary or permanent storage of equipment or materials, mining, dredging, filling, grading, paving, excavations, drilling operations or any other land disturbing activities.

Encroachment. The placement of fill, excavation, buildings, permanent structures or other development into a flood hazard area which may impede or alter the flow capacity of riverine flood hazard areas.

Existing building and **existing structure.** Any buildings and structures for which the "start of construction" commenced before September 29, 1972. [Also defined in FBC, B, Section 202.]

Federal Emergency Management Agency (FEMA). The federal agency that, in addition to carrying out other functions, administers the National Flood Insurance Program.

Flood or flooding. A general and temporary condition of partial or complete inundation of normally dry land from: [Also defined in FBC, B, Section 202.]

(1) The overflow of inland or tidal waters.

(2) The unusual and rapid accumulation or runoff of surface waters from any source.

Flood damage-resistant materials. Any construction material capable of withstanding direct and prolonged contact with floodwaters without sustaining any damage that requires more than cosmetic repair. [Also defined in FBC, B, Section 202.]

Flood hazard area. The greater of the following two areas: [Also defined in FBC, B, Section 202.]

(1) The area within a floodplain subject to a 1-percent or greater chance of flooding in any year.

(2) The area designated as a flood hazard area on the community's flood hazard map, or otherwise legally designated.

Flood Insurance Rate Map (FIRM). The official map of the community on which the Federal Emergency Management Agency has delineated both special flood hazard areas and the risk premium zones applicable to the community. [Also defined in FBC, B, Section 202.]

Flood Insurance Study (FIS). The official report provided by the Federal Emergency Management Agency that contains the Flood Insurance Rate Map, the Flood Boundary and Floodway Map (if applicable), the water surface elevations of the base flood, and supporting technical data. [Also defined in FBC, B, Section 202.]

Floodplain Administrator. The office or position designated and charged with the administration and enforcement of this ordinance (may be referred to as the Floodplain Manager).

Floodplain development permit or approval. An official document or certificate issued by the community, or other evidence of approval or concurrence, which authorizes performance of specific development activities that are located in flood hazard areas and

that are determined to be compliant with this ordinance.

***Florida Building Code*.** The family of codes adopted by the Florida Building Commission, including: *Florida Building Code, Building; Florida Building Code, Residential; Florida Building Code, Existing Building; Florida Building Code, Mechanical; Florida Building Code, Plumbing; Florida Building Code, Fuel Gas*.

Functionally dependent use. A use which cannot perform its intended purpose unless it is located or carried out in close proximity to water, including only docking facilities, port facilities that are necessary for the loading and unloading of cargo or passengers, and ship building and ship repair facilities; the term does not include long-term storage or related manufacturing facilities.

Highest adjacent grade. The highest natural elevation of the ground surface prior to construction next to the proposed walls or foundation of a structure.

Historic structure. Any structure that is determined eligible for the exception to the flood hazard area requirements of the *Florida Building Code, Existing Building*, Chapter 12 Historic Buildings.

Letter of Map Change (LOMC). An official determination issued by FEMA that amends or revises an effective Flood Insurance Rate Map or Flood Insurance Study. Letters of Map Change include:

Letter of Map Amendment (LOMA): An amendment based on technical data showing that a property was incorrectly included in a designated special flood hazard area. A LOMA amends the current effective Flood Insurance Rate Map and establishes that a specific property, portion of a property, or structure is not located in a special flood hazard area.

Letter of Map Revision (LOMR): A revision based on technical data that may show changes to flood zones, flood elevations, special flood hazard area boundaries and floodway delineations, and other planimetric features.

Letter of Map Revision Based on Fill (LOMR-F): A determination that a structure or parcel of land has been elevated by fill above the base flood elevation and is, therefore, no longer located within the special flood hazard area. In order to qualify for this determination, the fill must have been permitted and placed in accordance with the community's floodplain management regulations.

Conditional Letter of Map Revision (CLOMR): A formal review and comment as to whether a proposed flood protection project or other project complies with the minimum NFIP requirements for such projects with respect to delineation of special flood hazard areas. A CLOMR does not revise the effective Flood Insurance Rate Map or Flood Insurance Study; upon submission and approval of certified as-built documentation, a Letter of Map Revision may be issued by FEMA to revise the effective FIRM.

Light-duty truck. As defined in 40 C.F.R. 86.082-2, any motor vehicle rated at 8,500 pounds Gross Vehicular Weight Rating or less which has a vehicular curb weight of 6,000 pounds or less and which has a basic vehicle frontal area of 45 square feet or less, which is:

(1) Designed primarily for purposes of transportation of property or is a derivation of such a vehicle, or

(2) Designed primarily for transportation of persons and has a capacity of more than 12 persons; or

(3) Available with special features enabling off-street or off-highway operation and use.

Lowest floor. The lowest floor of the lowest enclosed area of a building or structure, including basement, but excluding any unfinished or flood-resistant enclosure, other than a basement, usable solely for vehicle parking, building access or limited storage provided that such enclosure is not built so as to render the structure in violation of the non-elevation requirements of the *Florida Building Code* or ASCE 24. [Also defined in FBC, B, Section

202.]

Market value. The price at which a property will change hands between a willing buyer and a willing seller, neither party being under compulsion to buy or sell and both having reasonable knowledge of relevant facts. As used in this ordinance, the term refers to the market value of buildings and structures, excluding the land and other improvements on the parcel. Market value may be established by a qualified independent appraiser, Actual Cash Value (replacement cost depreciated for age and quality of construction), or tax assessment value adjusted to approximate market value by a factor provided by the Property Appraiser.

New construction. For the purposes of administration of this ordinance and the flood resistant construction requirements of the *Florida Building Code*, structures for which the "start of construction" commenced on or after September 29, 1972 and includes any subsequent improvements to such structures.

Sand dunes. Naturally occurring accumulations of sand in ridges or mounds landward of the beach.

Special flood hazard area. An area in the floodplain subject to a 1 percent or greater chance of flooding in any given year. Special flood hazard areas are shown on FIRMs as Zone A, AO, A1-A30, AE, A99, AH, V1-V30, VE or V. [Also defined in FBC, B Section 202.]

Start of construction. The date of issuance of permits for new construction and substantial improvements, provided the actual start of construction, repair, reconstruction, rehabilitation, addition, placement, or other improvement is within 180 days of the date of the issuance. The actual start of construction means either the first placement of permanent construction of a building on a site, such as the pouring of slab or footings, the installation of piles, or the construction of columns.

Permanent construction does not include land preparation (such as clearing, grading, or filling), the installation of streets or walkways, excavation for a basement, footings, piers, or foundations, the erection of temporary forms or the installation of

accessory buildings such as garages or sheds not occupied as dwelling units or not part of the main buildings. For a substantial improvement, the actual “start of construction” means the first alteration of any wall, ceiling, floor or other structural part of a building, whether or not that alteration affects the external dimensions of the building. [Also defined in FBC, B Section 202.]

Substantial damage. Damage of any origin sustained by a building or structure whereby the cost of restoring the building or structure to its before-damaged condition would equal or exceed 50 percent of the market value of the building or structure before the damage occurred. [Also defined in FBC, B Section 202.] The term also includes flood-related damage sustained by a structure on two separate occasions during a 10-year period for which the cost of repairs at the time of each such flood event, on average, equals or exceeds 25 percent of the market value of the structure before the damage occurred.

Substantial improvement. Any repair, reconstruction, rehabilitation, alteration, addition, or other improvement of a building or structure, the cost of which equals or exceeds 50 percent of the market value of the building or structure before the improvement or repair is started. If the structure has incurred "substantial damage," any repairs are considered substantial improvement regardless of the actual repair work performed. The term does not, however, include either: [Also defined in FBC, B, Section 202.]

(1) Any project for improvement of a building required to correct existing health, sanitary, or safety code violations identified by the building official and that are the minimum necessary to assure safe living conditions.

(2) Any alteration of a historic structure provided the alteration will not preclude the structure's continued designation as a historic structure.

Variance. A grant of relief from the requirements of this ordinance, or the flood resistant construction requirements of the *Florida Building Code*, which permits construction in a

manner that would not otherwise be permitted by this ordinance or the *Florida Building Code*.

ARTICLE III FLOOD RESISTANT DEVELOPMENT

SECTION 62-11 BUILDINGS AND STRUCTURES

(a) Design and construction of buildings, structures and facilities exempt from the *Florida Building Code*. Pursuant to Section 62-4(c) of this ordinance, buildings, structures, and facilities that are exempt from the *Florida Building Code*, including substantial improvement or repair of substantial damage of such buildings, structures and facilities, shall be designed and constructed in accordance with the flood load and flood resistant construction requirements of ASCE 24. Structures exempt from the *Florida Building Code* that are not walled and roofed buildings shall comply with the requirements of Section 62-15 of this ordinance.

(b) Buildings and structures seaward of the coastal construction control line. If extending, in whole or in part, seaward of the coastal construction control line and also located, in whole or in part, in a flood hazard area:

(1) Buildings and structures shall be designed and constructed to comply with the more restrictive applicable requirements of the *Florida Building Code, Building* Section 3109 and Section 1612 or *Florida Building Code, Residential* Section R322.

(2) Minor structures and non-habitable major structures as defined in section 161.54, F.S., shall be designed and constructed to comply with the intent and applicable provisions of this ordinance and ASCE 24.

(c) Specific methods of construction and requirements. Pursuant to Chapter 8 Article III of the Miami-Dade County Code, the following specific methods of construction and requirements apply:

(1) Limitations on Enclosures Under Elevated Buildings and Dwellings. Enclosed

areas shall: a) have the minimum necessary access to allow for parking of vehicles (garage door), limited storage of maintenance equipment used in connection with the premises (standard exterior door), or entry to the elevated building (stairway or elevator); b) not have the interior portion partitioned or finished into separate rooms except for stairwells, ramps and elevators, unless a partition is required by the fire code; and c) in coastal high hazard areas, be enclosed by insect screening or open lattice.

(2) Substantial Damage. In the Florida Building Code, Building and Florida Building Code, Existing Building, definitions for the term "Substantial Damage" shall be as follows:

SUBSTANTIAL DAMAGE. Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before-damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. <u>The term also includes flood-related damage sustained by a structure on two separate occasions during a 10-year period for which the cost of repairs at the time of each such flood event, on average, equals or exceeds 25 percent of the market value of the structure before the damage occurred.</u>

(3) Required Certifications. In the Florida Building Code, Building:

(a) Section 107.3.5 Minimum plan review criteria for buildings, add FEMA Floodproofing Certificate (FEMA Form 086-0-34) to plan review criteria when nonresidential buildings are proposed to be dry floodproofed.

SECTION 62-12 SUBDIVISIONS

(a) Minimum requirements. Subdivision proposals shall be reviewed to determine that:

(1) Such proposals are consistent with the need to minimize flood damage and will be reasonably safe from flooding;

(2) All public utilities and facilities such as sewer, gas, electric, communications, and water systems are located and constructed to minimize or eliminate flood damage; and

(3) Adequate drainage is provided to reduce exposure to flood hazards; in Zones AH and AO, adequate drainage paths shall be provided to guide floodwaters around and away from proposed structures.

(b) Subdivision plats. Where any portion of proposed subdivisions lies within a flood hazard area, the following shall be required:

(1) Delineation of flood hazard areas, flood zones, and design flood elevations, as appropriate, shall be shown on preliminary plats; and

(2) Compliance with the site improvement and utilities requirements of Section 62-13 of this ordinance.

SECTION 62-13 SITE IMPROVEMENTS, UTILITIES AND LIMITATIONS

(a) Minimum requirements. All proposed new development shall be reviewed to determine that:

(1) Such proposals are consistent with the need to minimize flood damage and will be reasonably safe from flooding;

(2) All public utilities and facilities such as sewer, gas, electric, communications, and water systems are located and constructed to minimize or eliminate flood damage; and

(3) Adequate drainage is provided to reduce exposure to flood hazards; in Zones AH and AO, adequate drainage paths shall be provided to guide floodwaters around and away from proposed structures.

(b) Sanitary sewage facilities. All new and replacement sanitary sewage facilities, private sewage treatment plants (including all pumping stations and collector systems), and on-site waste disposal systems shall be designed in accordance with the standards for onsite sewage treatment and disposal systems in Chapter 64E-6, F.A.C. and ASCE 24 Chapter 7

to minimize or eliminate infiltration of floodwaters into the facilities and discharge from the facilities into flood waters, and impairment of the facilities and systems.

(c) Water supply facilities. All new and replacement water supply facilities shall be designed in accordance with the water well construction standards in Chapter 62-532.500, F.A.C. and ASCE 24 Chapter 7 to minimize or eliminate infiltration of floodwaters into the systems.

(d) Limitations on placement of fill.

(1) Subject to the limitations of this ordinance, fill shall be designed to be stable under conditions of flooding including rapid rise and rapid drawdown of floodwaters, prolonged inundation, and protection against flood-related erosion and scour. In addition to these requirements, if intended to support buildings and structures (Zone A only), fill shall comply with the requirements of the *Florida Building Code*.

(2) When fill is proposed, in accordance with the permit issued by the Florida Department of Health, in coastal high hazard areas (Zone V), the development permit shall be issued only upon demonstration by appropriate engineering analyses that the proposed fill will not increase the water surface elevation of the base flood nor cause any adverse impacts to the structure on site or other properties by wave ramping or deflection.

(e) Limitations on sites in coastal high hazard areas (Zone V). In coastal high hazard areas, alteration of sand dunes and mangrove stands shall be permitted only if such alteration is approved by the Florida Department of Environmental Protection and only if the engineering analysis required by Section 62-5(b)(1) of this ordinance demonstrates that the proposed alteration will not increase the potential for flood damage. Construction or restoration of dunes under or around elevated buildings and structures shall comply with Section 62-15(e)(3) of this ordinance.

SECTION 62-14 TANKS

(a) Underground tanks. Underground tanks in flood hazard areas shall be anchored to prevent flotation, collapse or lateral movement resulting from hydrodynamic and hydrostatic loads during conditions of the design flood, including the effects of buoyancy assuming the tank is empty.

(b) Above-ground tanks, not elevated. Above-ground tanks that do not meet the elevation requirements of Section 62-14(c) of this ordinance shall:

(1) Be permitted in flood hazard areas (Zone A) other than coastal high hazard areas, provided the tanks are anchored or otherwise designed and constructed to prevent flotation, collapse or lateral movement resulting from hydrodynamic and hydrostatic loads during conditions of the design flood, including the effects of buoyancy assuming the tank is empty and the effects of flood-borne debris.

(2) Not be permitted in coastal high hazard areas (Zone V).

(c) Above-ground tanks, elevated. Above-ground tanks in flood hazard areas shall be elevated to or above the design flood elevation and attached to a supporting structure that is designed to prevent flotation, collapse or lateral movement during conditions of the design flood. Tank-supporting structures shall meet the foundation requirements of the applicable flood hazard area.

(d) Tank inlets and vents. Tank inlets, fill openings, outlets and vents shall be:

(1) At or above the design flood elevation or fitted with covers designed to prevent the inflow of floodwater or outflow of the contents of the tanks during conditions of the design flood; and

(2) Anchored to prevent lateral movement resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy, during conditions of the design flood.

SECTION 62-15 OTHER DEVELOPMENT

(a) General requirements for other development. All development, including man-made changes to improved or unimproved real estate for which specific provisions are not specified in this ordinance or the *Florida Building Code*, shall:

(1) Be located and constructed to minimize flood damage;

(2) Be anchored to prevent flotation, collapse or lateral movement resulting from hydrostatic loads, including the effects of buoyancy, during conditions of the design flood;

(3) Be constructed of flood damage-resistant materials; and

(4) Have mechanical, plumbing, and electrical systems above the design flood elevation or meet the requirements of ASCE 24, except that minimum electric service required to address life safety and electric code requirements is permitted below the design flood elevation provided it conforms to the provisions of the electrical part of building code for wet locations.

(b) Concrete slabs used as parking pads, enclosure floors, landings, decks, walkways, patios and similar nonstructural uses in coastal high hazard areas (Zone V). In coastal high hazard areas, concrete slabs used as parking pads, enclosure floors, landings, decks, walkways, patios and similar nonstructural uses are permitted beneath or adjacent to buildings and structures provided the concrete slabs are designed and constructed to be:

(1) Structurally independent of the foundation system of the building or structure;

(2) Frangible and not reinforced, so as to minimize debris during flooding that is capable of causing significant damage to any structure; and

(3) Have a maximum slab thickness of not more than four (4) inches.

(c) Decks and patios in coastal high hazard areas (Zone V). In addition to the requirements of the *Florida Building Code*, in coastal high hazard areas decks and patios shall be located, designed, and constructed in compliance with the following:

(1) A deck that is structurally attached to a building or structure shall have the bottom of the lowest horizontal structural member at or above the design flood elevation and any supporting members that extend below the design flood elevation shall comply with the foundation requirements that apply to the building or structure, which shall be designed to accommodate any increased loads resulting from the attached deck.

(2) A deck or patio that is located below the design flood elevation shall be structurally independent from buildings or structures and their foundation systems, and shall be designed and constructed either to remain intact and in place during design flood conditions or to break apart into small pieces to minimize debris during flooding that is capable of causing structural damage to the building or structure or to adjacent buildings and structures.

(3) A deck or patio that has a vertical thickness of more than twelve (12) inches or that is constructed with more than the minimum amount of fill necessary for site drainage shall not be approved unless an analysis prepared by a qualified registered design professional demonstrates no harmful diversion of floodwaters or wave runup and wave reflection that would increase damage to the building or structure or to adjacent buildings and structures.

(4) A deck or patio that has a vertical thickness of twelve (12) inches or less and that is at natural grade or on nonstructural fill material that is similar to and compatible with local soils and is the minimum amount necessary for site drainage may be approved without requiring analysis of the impact on diversion of floodwaters or wave runup

and wave reflection.

(d) Other development in coastal high hazard areas (Zone V). In coastal high hazard areas, development activities other than buildings and structures shall be permitted only if also authorized by the appropriate federal, state or local authority; if located outside the footprint of, and not structurally attached to, buildings and structures; and if analyses prepared by qualified registered design professionals demonstrate no harmful diversion of floodwaters or wave runup and wave reflection that would increase damage to adjacent buildings and structures. Such other development activities include but are not limited to:

(1) Bulkheads, seawalls, retaining walls, revetments, and similar erosion control structures;

(2) Solid fences and privacy walls, and fences prone to trapping debris, unless designed and constructed to fail under flood conditions less than the design flood or otherwise function to avoid obstruction of floodwaters; and

(3) On-site sewage treatment and disposal systems defined in 64E-6.002, F.A.C., as filled systems or mound systems.

(e) Nonstructural fill in coastal high hazard areas (Zone V). In coastal high hazard areas:

(1) Minor grading and the placement of minor quantities of nonstructural fill shall be permitted for landscaping and for drainage purposes under and around buildings.

(2) Nonstructural fill with finished slopes that are steeper than one unit vertical to five units horizontal shall be permitted only if an analysis prepared by a qualified registered design professional demonstrates no harmful diversion of floodwaters or wave runup and wave reflection that would increase damage to adjacent buildings and structures.

(3) Where authorized by the Florida Department of Environmental Protection or applicable local approval, sand dune construction and restoration of sand dunes under or around elevated buildings are permitted without additional engineering analysis or certification of the diversion of floodwater or wave runup and wave reflection if the scale and location of the dune work is consistent with local beach-dune morphology and the vertical clearance is maintained between the top of the sand dune and the lowest horizontal structural member of the building.

Section 3. Fiscal Impact Statement.

In terms of design, plan application review, construction and inspection of buildings and structures, the cost impact as an overall average is negligible in regard to the local technical amendments because all development has been subject to the requirements of the local floodplain management ordinance adopted for participation in the National Flood Insurance Program. In terms of lower potential for flood damage, there will be continued savings and benefits to consumers.

Section 4. Applicability.

For the purposes of jurisdictional applicability, this ordinance shall apply in the Town of Golden Beach. This ordinance shall apply to all applications for development, including building permit applications and subdivision proposals, submitted on or after the effective date of this ordinance.

Section 5. Inclusion Into The Code Of Ordinances.

It is the intent of the Town Council that the provisions of this ordinance shall become and be made a part of the Town of Golden Beach Code of Ordinances, and that the sections of this ordinance may be renumbered or relettered and the word “ordinance” may be changed to “section,” “article,” “regulation,” or such other appropriate word or phrase in order to accomplish such intentions.

Section 6. Severability.

If any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of the ordinance as a whole, or any part thereof, other than the part so declared.

Section 7. Effective Date.

That this Ordinance shall be in full force and take effect upon its passage and adoption.

The Motion to adopt the foregoing Ordinance was offered by Councilmember Lusskin, seconded by Councilmember Mendal, and on roll call the

Mayor Glenn Singer	Aye
Vice-Mayor Kenneth Bernstein	Absent
Councilmember Judy Lusskin	Aye
Councilmember Jaime Mendal	Aye
Councilmember Bernard Einstein	Aye

PASSED AND ADOPTED on first reading this 20th day of August, 2019.

The Motion to adopt the foregoing Ordinance was offered by _____, seconded by _____, and on roll call the

Mayor Glenn Singer	___
Vice-Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED on second reading this 17th day of September, 2019.

ATTEST: _____
MAYOR GLENN SINGER

_____

LISSETTE PEREZ
TOWN CLERK

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

_____
STEPHEN J. HELFMAN
TOWN ATTORNEY

TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

M E M O R A N D U M

Item Number:
5

Date: September 17, 2019

To: Honorable Mayor Glenn Singer & Town Council Members

From: Alexander Diaz, Town Manger

Subject: **Ordinance No. 590.19 – Amending The Town's Code To Revise Chapter 14, Amending Section 14-86, Lawn Mowers and Power Tools.**

Recommendation:

It is recommended that the Town Council adopt the attached Ordinance No. 590.19 as presented.

Background:

At the August Town Council meeting a discussion was held pertaining to limiting the hours that Landscaping can take place on the weekends. Per your direction, the ordinance proposed changing the hours in which landscaping is allowed on the weekend from 8:00 a.m. to 8:00 p.m., to 10:00 a.m. to 8:00 p.m.

Fiscal Impact:

None.

TOWN OF GOLDEN BEACH, FLORIDA

ORDINANCE NO. 590.19

AN ORDINANCE OF THE TOWN OF GOLDEN BEACH, FLORIDA, AMENDING THE TOWN'S CODE OF ORDINANCES TO REVISE CHAPTER 14, "ENVIRONMENT," BY AMENDING SECTION 14-86, "LAWN MOWERS AND POWER TOOLS", PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town Council periodically studies land development trends and issues and amends the Town's Land Development Regulations accordingly; and

WHEREAS, the Town Council has studied the current Code provisions of the Town and found that certain modifications are necessary and desirable to further regulate the use of lawn mowers and power tools; and

WHEREAS, a public meeting was held before the Local Planning Agency (LPA) of the Town to review the proposed modifications to the Town's Land Development Regulations; and

WHEREAS, the Town Council held duly advertised public meetings to consider the proposed modifications to the Town's Land Development Regulations.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF GOLDEN BEACH, FLORIDA:

Section 1. Recitals Adopted. That the preceding "Whereas" clauses are ratified and incorporated as a record of the legislative intent of this Ordinance.

Section 2. Code Amended. That the Town of Golden Beach Code is hereby amended to modify Article III. "Noises", Division 1. "Generally" of Article II "Nuisances," of Chapter 14, "Environment" as follows:[1]

CHAPTER 14 Environment

* * *

[1] Additions to the text are shown in underline. Deletions to the text are shown in ~~strikethrough~~.

ARTICLE III. NOISES

* * *

DIVISION 1. GENERALLY

* * *

Sec. 14-86. – Lawn mowers and power tools.

It shall be unlawful for any person to operate any power lawn mower or power tools for landscaping purposes ~~outside an enclosed building~~ between the hours of 8:00 p.m. and 8:00 a.m. the following day except when the following day is Saturday, Sunday or a holiday, then the restricted hours shall be extended to 10:00 a.m.

* * *

Section 3. Code Amended. That is any section, paragraph, sentence or word of this Ordinance or the application thereof to any person or circumstance is held invalid, that the invalidity shall not affect the other sections, paragraphs, sentences, words or application of this Ordinance.

Section 4. Codification. That it is the intention of the Town Council of Golden Beach, and it is therefore ordained, that the provisions of the Ordinance shall become and be made a part of the Town of Golden Beach Code of Ordinances, that sections of this Ordinance may be re-numbered or re-lettered to accomplish such intentions, and that the word "Ordinance" shall be changed to "Section" or other appropriate word.

Section 5. Repealer. That all Ordinances, parts of Ordinances, Resolutions or parts of Resolutions in conflict herewith be and the same are hereby repealed to the extent of such conflict.

Section 6. Effective Date. That this Ordinance shall be in full force and take effect immediately upon its passage and adoption.

The Motion to adopt the foregoing Ordinance was offered by _____, seconded by _____, and on roll call the following vote ensued:

Mayor Glenn Singer	___
Vice-Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED on first reading this 17th day of September, 2019.

The Motion to adopt the foregoing Ordinance was offered by _____, seconded by _____, and on roll call the following vote ensued:

Mayor Glenn Singer	___
Vice-Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED on second reading this ___ day of ____, 2019.

ATTEST:

_____
MAYOR GLENN SINGER

_____
LISSETTE PEREZ
TOWN CLERK

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

_____
STEPHEN J. HELFMAN
TOWN ATTORNEY

TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

M E M O R A N D U M

Date: September 17, 2019

Item Number: 6

To: Honorable Mayor Glenn Singer &
Town Council Members

From: Alexander Diaz,
Town Manager

Subject: **Resolution No. 2639.19 – Variance Request for 399 Golden Beach Drive, Golden Beach, FL 33160 (Entrance Canopy)**

Recommendation:

It is recommended that the Town Council allow the applicant the opportunity to seek approval of the variance request presented in Resolution No. 2639.19.

Background and History:

Town Code Section 66.69-2 Zone Two, (f) front yard setback:
(2) Lots fronting east side of Golden Beach Drive. Lots with Frontage on the east side of Golden Beach Drive shall provide front yard Setbacks as follows:
a) For Full Size Lots, no building or part thereof, including garages, shall be erected nearer than 35 feet from the west lot line thereof.

The applicant's request is to allow the front entrance Canopy/Trellis structure to encroach at varying front setbacks; from 26.05' at the curve of the north front property line to 33.27' from the south front property line. Instead of the 35 foot Setback outlined in the code.

The Building Regulation Advisory Board met September 10, 2019 and recommended approval of the variance request, the motion passed with a Board vote of 2 – 1

Melinda Almonte, 395 Golden Beach Drive, GB, FL. spoke in opposition to this request.
Ibrahim Galsky, owner of the property spoke on his own behalf.

Attachments:

- Resolution
- Michael Miller Planning Critique
- Notice of Hearing
- Building Regulation Advisory Board Application
- Copy of resident notification listing
- Summary minutes

Financial Impact: None

TOWN OF GOLDEN BEACH, FLORIDA

RESOLUTION NO. 2639.19

A RESOLUTION OF THE TOWN OF GOLDEN BEACH, FLORIDA, AUTHORIZING AND APPROVING A VARIANCE REQUEST FOR THE PROPERTY LOCATED AT 399 GOLDEN BEACH DR., GOLDEN BEACH, FLORIDA 33160 TO PERMIT AN ENTRANCE CANOPY TO ENCROACH AT VARYING FRONT SETBACKS, FROM 26.05' AT THE CURVE OF THE NORTH FRONT PROPERTY LINE TO 33.27' FROM THE SOUTH FRONT PROPRETY LINE, INSTEAD OF THE 35 FOOT FRONT SETBACK OUTLINED IN THE CODE.

WHEREAS, the applicants, Galsky Construction Enterprises 2 LLC, ("the applicant"), filed a Petition for Variances/exceptions, from Town Code Section 66.69-2 Zone Two, (f) front yard setback: (2) Lots fronting east side of Golden Beach Drive. Lots with Frontage on the east side of Golden Beach Drive shall provide front yard Setbacks as follows: a) For Full Size Lots, no building or part thereof, including garages, shall be erected nearer than 35 feet from the west lot line thereof.

WHEREAS, the applicant's request is to allow the front entrance Canopy/Trellis structure to encroach at varying front setbacks; from a front setback of 26.05' at the curve of the north front property line to front setback of 33.27' from the south front property line. Instead of the 35 foot setback outlined in the code.

WHEREAS, these variances and exceptions are for the property at 399 Golden Beach Dr., Golden Beach, FL. 33160 (Golden Beach Section "E", N 19.50' of lot 39 and all of Lot 40, Block 4, as recorded in PB 8-122, of the Public Records of Miami-Dade County, (Folio No. 19-1235-005-0330 (the "Property") and;

WHEREAS, the Town's Building Regulation Advisory Board held an advertised public hearing on the Petition for Variance/Exception and recommended approval of the request for the entrance canopy, for approval by the Town Council; and,

WHEREAS, a public hearing of the Town Council was advertised and held, as required by law, and all interested parties were given an opportunity to be heard; and

WHEREAS, the Town Council having considered the evidence presented, finds that the Petition of Variance meets the criteria of the applicable codes and ordinances to the extent the application is granted herein.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, AS FOLLOWS:

Section 1. Recitals Adopted. Each of the above stated recitals are hereby adopted and confirmed.

Section 2. Approval. The Petition for Variance to permit each of the requested variances/exception is hereby granted.

Section 3. Conditions. The Petition for Exception/Variance as granted is subject to the following conditions:

(1) Applicant shall record a certified copy of this Resolution in the public records of Miami-Dade County; and the construction shall be completed substantially in accordance with those certain plan pages SD-0.0 through SD 2.2, dated May 14, 2019, Gonzalo Paz, PE, #60734, Eastern Engineering Group, and the Sketch of Boundary Survey, prepared by John Ibarra & Associates, Inc., Professional Land Surveyors, dated 7/17/2019, for the property located at 399 Golden Beach Dr., Golden Beach, FL. 33160

Section 4. Implementation. That the Building and Zoning Director is hereby directed to make the necessary notations upon the maps and records of the Town of Golden Beach Building and Zoning Department and to issue all permits in accordance with the terms and conditions of this Resolution. A copy of this Resolution shall be attached to the building permit application documents.

Section 5. Effective Date. This Resolution shall be effective immediately upon adoption.

Sponsored by Administration.

The Motion to adopt the foregoing Resolution was offered by_____, seconded by _____ and on roll call the following vote ensued:

Mayor Glenn Singer	___
Vice Mayor Kenneth Bernstein	___
Councilmember Judy Lusskin	___
Councilmember Jaime Mendal	___
Councilmember Bernard Einstein	___

PASSED AND ADOPTED by the Town Council of the Town of Golden Beach, Florida, this 17th day September, 2019

_____
ATTEST: MAYOR GLENN SINGER

_____
LISSETTE PEREZ
TOWN CLERK

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

_____
STEPHEN J. HELFMAN
TOWN ATTORNEY

TOWN OF GOLDEN BEACH
COMMUNITY DEVELOPMENT
MEMORANDUM

To: **Building Regulatory Advisory Board**
Town of Golden Beach

From: **Michael J. Miller, AICP**
Consultant Town Planner

Date: **August 6th, 2019**

Subject: **Zoning Variance Application**
399 Golden Beach Drive
Front Setback for Architectural Projection
North 19.50' of Lot 39 & All of Lot 40, Block 4, Section E
MMPA Acct. No.: 04-0101-0519

ISSUE

The applicant, John Wiggins as agent for the property owner Galask Construction Enterprises 2, LLC, has submitted an application with the Town for a zoning variance to allow an accessory architectural feature (so-called "Trellis") to be constructed in a portion of the front yard setback of Golden Beach Drive. Because the site is located at the intersection of Golden Beach Drive and The Strand, the wide arc of the right-of-way creates an oddly shaped lot near the corner, which affects the setbacks. The proposed architectural feature is at the northwest corner of the home near the corner arc and is proposed at 26.05' from the arc (nearest portion of structure). The BRAB approved this new single-family home in February 2017 which is now under construction. In January 2018 the developer received approval from the BRAB for a small reflecting pond at the northwest corner of the house (not shown on original house plans). The new proposed architectural feature is planned to cover the reflecting pond and covered entrance path to the front door and extends into the front yard setback. The structure will be anchored to the concrete tie beams with one column to the ground. The proposed structure is shown to include ¾" laminated tempered glass attached to a portion of its top.

The following is the applicant's request:

- Variance from Sec.66-69.2(f) to vary from the required 35' front setback to 26.05' northern portion and 33.27' to the southern portion of the roof of the structure. The roof of the structure will overhang about 3' from the face of the home into the setback; however, the home is placed 36'-3" from the Golden Beach Drive right-of-way.

ANALYSIS

As per the Town's request MMPA has completed our review of the above referenced variance application request and provide the following comments for consideration:

NON-USE VARIANCE JUSTIFICATION

1) *The variance requested is for relief from the provisions of the Town Code.*

   The applicant seeks relief from Sec. 66-69.2 (f) of the Town's Code of Ordinances which is related to the front setback of buildings in Zone 2 (35' from Golden Beach Drive).

2) *In order to recommend the granting of the variance, it must meet all the following criteria:*

   a. *The Variance is in fact a Variance from a zoning regulation as forth within the Zoning Chapter of the Town Code:*

      The applicant references Sec. 66.69.2 - should be Sec.66.69.2(f) Front Setback.

   b. *Special conditions and circumstances exist which are peculiar to the land or structure involved, and which are not applicable to other lands or structures in the same district.*

      The applicant states: "Residential is requiring a 35' setback (should state "front" setback). This property is located at the Golden Beach Drive and The Strand. The street corner reduces the setback diminishes at the front property.

      The shape of the lot due to the corner arc does have an impact concerning the 35' front setback for the proposed architectural feature as requested by the applicant. The lot is not a standard rectangular shape as most lots are.

   c. *The special conditions and circumstances do not result from the actions of the applicant.*

      The applicant's response "Correct".

      The architectural feature is a design choice made by the applicant. The shape of the property is not a standard rectangular lot. The large curve of the platted lot at Golden Beach Drive and The Stand limits the size of the architectural feature which falls with the required 35' front setback. Without the requested front variance setback, the proposed architectural feature must be smaller, but it still could function with a ¾" laminated tempered glass attached to the top.

   d. *Granting the variance requested will not confer on the applicant any special privilege that is denied by the Zoning Chapter of the Town Code to other lands or structures in the same district.*

The applicant's response "Correct".

Approval of the applicant's request would grant them the ability to construct the architectural feature. A few other homes within Town do have similar architectural features in the front yard which provides covered entrance to the home front door. Because the site is located at the intersection of Golden Beach Drive and The Strand the wide arc of the right-of-way creates an oddly shaped lot near the corner, which affects the setbacks.

3) *Literal interpretations of the provisions of the Zoning Chapter of the Town Code would deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of zoning regulations and would work unnecessary and undue hardship on the applicant.*

The applicant's response "Correct".

Without the variance the applicant could not construct the architectural feature as shown in the proposed site plan submitted with the variance application that meets the Town's Code front setback. The proposed architectural feature could be constructed to meet the Town front setback requirement of 35' but would be smaller and not functional as designed.

4) *The variance granted is the minimum variance that will make possible the reasonable use of the land or structure.*

The applicant's response" Correct".

The variance of 8.95' & 1.72' for the architectural feature a deviation in the front setback would be a reasonable use the grant for the property because the unusual shape of the lot.

5) *The granting of the variance will be in harmony with the general intent and purpose of the Town Code and the variance will not be injurious to the area involved or otherwise detrimental to the public welfare.*

Applicant's response "Correct".

One of the intents of Zoning Codes and other Land Development Regulations (LDRs) is to balance the interest of the general welfare of the Town and that of individual property owners. In this instance the requested variance for the architectural feature could be in harmony with the general intent and purpose of the Town Code and the variance will not be injurious to the area involved or otherwise detrimental to the public welfare.

SUMMARY

MMPA was requested to review and comment of the requested variance related to a proposed architectural feature projection. Because the site is located at the intersection of Golden Beach Drive and The Strand, the wide arc of the right-of-way creates an oddly shaped lot near the corner which affects the setback. The architectural feature / projection technically violates the front setback by 8.95' and 1.72' at the structure furthest extension. The column supporting the structure is not dimensioned but is set back much further. Portions of the roof extend out further than the column or main house – but do not exceed the Code allowances.

TOWN OF GOLDEN BEACH
NOTICE OF PUBLIC HEARING

The **Building Advisory Board** and the **Town Council** of the Town of Golden Beach will hold a Public hearing on the following proposal:

___X___ Variance Request(s)
___X___ Accessory Structures

House under construction – revision to add front entrance Trellis/Canopy cover.

Relief from Town Code Section 66.69-2 Zone Two, (f) front yard setback, (2) a:
(2) Lots fronting east side of Golden Beach Drive. Lots with Frontage on the east side of Golden Beach Drive shall provide front yard Setbacks as follows:
a. For Full Size Lots, no building or part thereof, including garages, shall be erected nearer than 35 feet from the west lot line thereof.

The applicant's request is to allow the front entrance Canopy/Trellis structure to encroach at varying front setbacks; from 26.05' at the curve of the north front property line to 33.27' from the south front property line. Instead of the 35 foot Setback outlined in the code.

JOB ADDRESS:	399 Golden Beach Drive, Golden Beach, FL. 33160
OWNER ADDRESS:	429 Center Island Drive, Golden Beach, FL. 333160
REQUESTED BY:	Galasky Construction Enterprises 2 LLC
LEGAL DESCRIPTION:	N 19.50' of lot 39, and all of lot 40, Blk 4, GB Sect E, PB 8-122
FOLIO NO.:	19-1235-005-0330

The **BUILDING ADVISORY BOARD** will consider this item:

PLACE: GOLDEN BEACH TOWN HALL
1 GOLDEN BEACH DR., GOLDEN BEACH, FL
DATE: AUGUST 13, 2019 AT 6PM

The **TOWN COUNCIL** will consider this item:

PLACE: GOLDEN BEACH TOWN HALL
1 GOLDEN BEACH DR., GOLDEN BEACH, FL.
AUGUST 20, 2019 at 7pm

If you wish to submit written comments for consideration, they should be submitted to the Office of the Golden Beach Town Manager, prior to the scheduled meeting. If you have any questions regarding the proposed action, you may contact the Building Department at (305) 932-0744

DATED: July 25, 2019

LINDA EPPERSON, DIRECTOR BUIDING & ZONING

PURSUANT TO FLA. STATUTE 286.0105, THE TOWN HEREBY ADVISES THE PUBLIC THAT: IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THE COUNCIL, BOARD OR COMMITTEE WITH RESPECT TO ANY MATTER CONSIDERED AT ITS MEETING OR HEARING, HE WILL NEED A RECORD OF THE PROCEEDINGS, AND THAT FOR SUCH PURPOSE, AFFECTED PERSONS MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDING IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. ANY INDIVIDUAL WHO BELIEVES HE OR SHE HAS A DISABILITY WHICH REQUIRES A REASONABLE ACCOMMODATION IN ORDER TO PARTICIPATE FULLY AND EFFECTIVELY IN A MEETING OF THE BUILDING REGULATION BOARD MUST SO NOTIFY THE TOWN CLERK, AT (305) 932—0744 AT LEAST 24 HOURS PRIOR TO THE DATE OF THE MEETING.

Town of Golden Beach
Building Regulatory Advisory Board
Hearing Date
JUL 0 9 2019
APPROVED
DISAPPROVED
VARIANCE REQ:

TOWN OF GOLDEN BEACH
APPLICATION FOR
BUILDING REGULATION ADVISORY BOARD MEETING/HEARING

Property Location: 399 Golden Beach Dr. Meeting Date: _____
Variance Hearing Dates: Advisory Board_____Town Council_____

Town of Golden Beach
Building Regulatory Advisory Board
Hearing Date
AUG 1 3 2019
APPROVED
DISAPPROVED
VARIANCE REQ.

APPROVAL FROM THE BUILDING REGULATION ADVISORY BOARD IS REQUIRED FOR:

A. Plans for new residence
B. Plans for addition to or exterior alterations of an existing structure.
C. Additional structures on premises of existing residences
D. Review of landscape plan for new construction, renovation or addition to existing residence.
E. Recommendation to Town Council for the approval or denial of variances and special exceptions.
F. Recommendation to Town Council for interpretation regarding apparent conflicts or inconsistencies in the zoning provisions in Chapters 46 & 66

APPLICATION HEARING PROCESS

Building Approval:
Applicant: submit 8 complete packages for approval: each package shall consist of an application, survey, warranty deed and drawings as required. The plans shall be sized as follows: 7 sets; 11" x 17", 1 **full size** set and 1 CD containing all drawings marked with the address. Separate from the landscaping plan submittal

Landscape Approval:
Applicant submit, separate from the Building application, 8 complete packages for approval, Each package shall consist of an application, existing landscape survey, and drawings as required. The plans shall be sized as follows: 7 sets; 11 x 17, 1 **full size** set and 1 CD containing all drawings separate from the building plan submittal.

Zoning Variance Approval:
Submittals for a zoning variance: submit 8 complete packages for approval: each package shall consist of an application, survey, warranty deed and drawings are required. The plans shall be sized as follows: 15 sets; 11" x 17", 1 **full size** set and 1 CD containing all drawings.

As directed by the Building Official or Building Director.

The Building Regulation Advisory Board (B.R.A.B.) meets at 6:00 P. M. on the second Tuesday of every month. Applications must be submitted 30 days, prior to scheduled meeting, **(not including the day of the meeting)**, by 2:00 P.M. that day to allow for preliminary review and for mailing of a public notice if a variance is requested.

Fees must be paid at time of application submittal.

Any variances required must be heard and approved by the Town Council after the Building Regulation Advisory Board has considered the item. The Variance will be heard by the Town Council, in the following month, (on the third Tuesday), after the Building Regulation Advisory Board's action, at the Town Council's regularly scheduled meeting.

Please see page 5 for required documents.

****NOTICE*****

INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED. PLEASE MAKE SURE THAT YOU, THE APPLICANT, HAVE CHECKED AND MARKED ALL ITEMS ON PAGE 5. THANK YOU.

TOWN OF GOLDEN BEACH
APPLICATION FOR
BUILDING REGULATION ADVISORY BOARD HEARING

1. The application deadline date will be strictly complied with. No application shall be accepted after that date and time.

2. The Building Official and/ or the Building Director will review the application package. If it is determined that the application is incomplete, the item will tabled and not placed on the Agenda for that month.

3. During the three (3) week period from deadline date to the hearing date, the following events shall take place in proper order:

    a. During the first week of submittal, the Building Official, or agent will endeavor to review the application, and complete a comment sheet 15 days prior to the meeting. The critique sheet will specify all deficiencies for correction.
    b. The critique sheet will be faxed, or emailed, to the applicant as soon as the review is completed.
    c. If the deficiencies are substantial the application will be moved to the next scheduled meeting/hearing of the B.R.A.B.
    d. If the deficiencies are minor, the applicant must submit the corrections including the revised paperwork within 5 days of the scheduled meeting/hearing. Corrections not received for a scheduled Agenda item will be deferred to the next B.R.A.B. meeting/hearing date.

4. A Notice of Hearing for variance will be mailed no later than 10 days before the date of meeting, as per Town Code.

5. During the third week all applications with plans and documents shall be properly arranged. One complete copy of the package will be given to the processor and the Friday, prior to the scheduled meeting one set will be delivered to each Board member. The Building Dept shall retain all originals for the records.

6. All applicants shall be made aware that incomplete applications or deficiencies not corrected in time as per these regulations, will not be included on the agenda, and are hereby rejected, and will be returned to the applicant.

7. After the meeting, three (3) copies of the approved items (one full size and 2 ledger) shall be retained by the building department, the applicant must request the two reduced sized sets for inclusion into the building permit package.

TOWN OF GOLDEN BEACH
BUILDING REGULATION ADVISORY BOARD
SCHEDULE OF FEES

Appropriate fee shall be paid at time of application. These fees are not refundable.

Type of request	Fee
1. Residence (new construction).....	$300.00
2. Addition/Remodel of existing structure.....	$225.00
3. Fencing, site walls, driveways, pool decks (charged per each item included in the plans)	$150.00
4. Accessory Building or Structure.....	$150.00
5. Swimming pools.....	$100.00
6. Pool deck.....	$100.00
7. Docks.....	$100.00
8. Boat Lifts.....	$100.00
9. Carports, awnings.....	$100.00
10. Landscape plan review; required for new construction, addition and remodeling project. (submit plans with site plan elevations separate from the building plan approval package)	$300.00
11. Resubmissions, based on original fee paid...	75.0%
12. Zoning Variances and special exceptions, per variance or exception:	
a. First variance/ exception.	$750.00
b. Per additional variance/exception, for the same initial varaince (example: request for a dock, affecting two different codes	
c. When a variance is granted, the property owner, at his expense, shall have the resolution for the variance recorded in the public records of Miami-Dade county, and two (2) certified copies of the recorded resolution shall be submitted to the Town for inclusion into the property records	
d. If the Town Council grants a variance, a building permit must be secured within two years of the approval date or the variance will become null and void	
13. Request to the Board for verification of any section of the Zoning Code, For each Section to be verified.....	$100.00

TOWN OF GOLDEN BEACH
BUILDING REGULATION ADIVSORY BOARD
SCHEDULE OF FEES

14. Application for the legalization of construction built without the approval of the B.R.A.B., when the Board should have approved such construction, will be accessed a fee equal to four (4) times the regular fee applicable to the matter.

15. Special Requests for a meeting, variance, or waiver of plat hearing:

a. For matters that have been heard, but the process had not been completed, i.e., tabled subjects, or unfinished subjects to be continued, the applicant must notify the Building & Zoning Department in writing if they would like the item continued

   If the notification is received by the Department before the deadline for the next B.R.A.B. meeting, there will be no charge for the continuance. If the notification is received after the deadline, and the applicant still wants the matter included in the agenda for the next meeting, there will be a special fee of $200.00

b. If the agenda has already been prepared and the applicant wants the matter to be heard, the request must received in writing to be added to the agenda at the beginning of the meeting with the approval of the Building Official or Building & Zoning Director. There will be a special fee of $200.00

c. When a special meeting or hearing of the B.R.A.B. is requested by an applicant, for either a new matter or continuance of a subject already heard, there will be a special fee for a 2 hour time period of $500.00

   If the time limit is exceeded, an additional fee of ½ of the fee will be accessed for the seconded time period $250.00

TOWN OF GOLDEN BEACH
APPLICATION FOR
BUILDING REGULATION ADVISORY BOARD HEARING

Applicant check here	Complete application, sign, and notarize.	Bldg Dept Use
	If a zoning variance is applied for, the petition for variance, pages 9, 10 and 11 shall be submitted with the application and shall include: a. Property Legal Description b. Property Folio number c. Street address d. Owners of record e. Owner and agent names and signatures properly notarized.	
	Eight (8) property surveys, building plans, Warranty Deeds, and applications (1 original, 7 copies). Survey not older than six (6) months. Completed sets are to be submitted as follows: Seven (7) copies no larger than 11" x 17" & 1 original at full size. Sixteen (16) copies are required for a variance, (15 copies no larger than 11" x 17" and 1 original at full size). Each completed package shall consist of 1 each of an application, survey, Warranty Deed and building plans. Submit 1 CD with all documents included	
	Conceptual construction drawings prepared and signed by a licensed design professional that shall include, at a minimum, the following: a. Site plan at a scale not less than 1/8" = 1'-0" (Include grade elevations) b. Proposed Floor Plan views, at a scale not less than ¼"=1'-0" c. Cross and longitudinal sections preferably through vaulted areas, if any. d. Typical exterior wall cross section. e. Full elevations showing flat roof and roof ridge height and any other higher projections. f. Sample board of construction materials to be used. g. Existing and proposed ground floor elevations (NGVD). h. Grading & Drainage Calculations i. Zone 3 Properties: Affidavit of Seawall Conformity	
	Landscaping Plan, separate from building plan package, prepared and signed by a licensed landscape design professional: Each completed package shall consist of 1 each of an application, existing landscape survey, Warranty Deed, landscape plans with building site plans. Seven (7) 11 x 17 and One (1) full size set. Submit 1 CD with all documents included. Mark CD accordingly (separate from building)	
	First Floor and Second Floor area calculations marking the geometrical areas used to calculate the overall floor areas.	
	Colored rendering showing new or proposed addition Work marked with the applicable address.	
	Estimated cost of proposed work. For additions/remodels fair market value of property showing land value and structure value separately.	
	Site plan detailing construction site personnel parking.	

TOWN OF GOLDEN BEACH
APPLICATION FOR
BUILDING REGULATION ADVISORY BOARD HEARING

Application fee:_____

Request hearing in reference to:

New residence/addition: Overhead Trellis (Front) Variance(s): Zone 2- Front Setback
Exterior alterations:_____ Other Structure:_____
Date application filed:_____ For hearing date: 7/9/19

1. Project information:
   Project description: Install a overhead trellis at entrance of residence
   Legal Description: Golden Beach Section E. PB 8-122, N 19.00 of Lot 39 + All lot 40, Blk 4
   Folio #: 19-1235-0330
   Address of Property: 399 Golden Beach Dr Golden Beach, FL 33160

2. Is a variance(s) required: Yes ✓ No_____ How Many? 1
   (If yes, please submit variance application form for each request).

Owner's Name: Grlosky Construction Phone (305) 989-1825 Fax _____
Owner's address: 296 S. Parkway City/State Golden Beach, FL Zip 33160
Email address:_____
Agent: CBJ Construction Inc. Phone (954) 391-7926 Fax _____
Agent's address: 7 NW 3.1 Ave City/State Dania Beach, FL Zip 33004
Email address: jeremy@cbjconstructioninc.com
Architect: _____ Phone _____ Fax _____
Email address:_____
Contractor: _____ Phone _____ Fax _____

3. Describe project and/ or reason for hearing request: As requested by Building department

4. The following information is submitted for assisting in review:

   Building Plans:

   Conceptual: _____ Preliminary: _____ Final: ✓
   Other: _____

5. Estimated cost of work: $ 36,000
   Estimated market value of: Land $ 1,352,981
   Building $ _____
   (Note: If estimated cost of work is 40% of the market value of the building an independent appraisal is required).

TOWN OF GOLDEN BEACH
APPLICATION FOR
BUILDING REGULATION ADVISORY BOARD HEARING

6. Is hearing being requested as a result of a Notice of Violation? No

7. Are there any structures on the property that will be demolished? No

8. Does legal description conform to plat? _____

9. Owner Certification: I hereby certify that I am the owner of record (*) of the property described in this application and that all information supplied herein is true and correct to the best of my knowledge.

Signature of owner(s): _____

Acknowledged before me this May 28 day of, 20 19

Type of identification: _____

ERIN McGOVERN
MY COMMISSION # GG254808
EXPIRES: September 25, 2022

_____
Notary Public

Owner/Power of Attorney Affidavit:

I, being duly sworn, depose and say I am the owner (*) of the property described in this application and that I am aware of the nature and request for: _____ relative to my property and I am hereby authorizing _____ to be my legal representative before the Building Regulation Advisory Board and Town Council.

_____
Signature of owner(s)

Acknowledged before me this _____ day _____ 20_____

Type of identification:

_____ _____
Notary Public

(*) If owner of record is a corporation then the president with corporate seal, the president and the secretary (without corporate seal), or duly authorized agent for the corporation may execute the application, proof that the corporation is a corporation in good standing.

TOWN OF GOLDEN BEACH
APPLICATION FOR
BUILDING REGULATION ADVISORY BOARD HEARING

Property Address: 399 Golden Beach Dr. Golden Beach, FL 33160
Legal Description: Golden Beach Section E, PB 8-122, N 19.50 ft lot 39 + all lot 40, Blk 4
Owner's Name: Galaxy Construction Ent. Phone (305) 899-1825 Fax ______
Agent's Name: CBJ Construction Inc Phone (954) 391-7926 Fax ______
Board Meeting of: ______

NOTE: 1. **Incomplete applications will not be processed.**
2. Applicant and/or architect must be present at meeting.

Application for: Overhead trellis, front of residence
Lot size: 82 x 150
Lot area: 12,300
Frontage: 82'
Construction Zone: SF Zone 2
Front setback: 35
Side setback: 10
Rear setback: 35
Coastal Construction: Yes ____ No X East of coastal const. control line: Yes ______ No X
State Road A1A frontage: ______
Swimming pool: X Yes ______ No Existing: X Proposed: ______
Fence Type: 48" Aluminum Rail Existing: X Proposed: ______
Finished Floor elevation N.G.V.D.: 6.50'
Seawall: N/A Existing: ______ Proposed: ______
Lot Drainage: Existing
How will rainwater be disposed of on site? Existing swales

Adjacent use (s): ______
Impervious area: 7332
% of impervious area: 57%
Existing ground floor livable area square footage: 3,163
Proposed ground floor livable area square footage: N/A Existing
Existing 2nd floor livable area square footage: N/A Existing
Proposed 2nd floor livable area square footage: N/A Existing
Proposed % of 2nd floor over ground floor: N/A Existing
Vaulted area square footage: N/A Existing
Vaulted height: N/A Existing
Color of main structure: N/A Existing
Color of trim: N/A Existing
Color & material of roof: N/A Existing
Building height (above finished floor elevation): N/A Existing
Swale: (Mandatory 10'-0" from edge of payment, 10 ft. wide x 1 ft. deep minimum):
Existing

Existing trees in Lot: No change in Swale: ______
Proposed trees in Lot: No change in Swale: ______
Number & type of shrubs: ______
Garage Type: ______ Existing: ______ Proposed: ______
Driveway width & type: ______

Signature of Applicant: [signature] Date: 5/28/18

TOWN OF GOLDEN BEACH
ACKNOWLEDGEMENT and AFFIDAVIT BY OWNER
Chapter 46 Waterways of the Code of Ordinances
Article IV Seawalls and Docks.

Affidavit by Owner:

Folio No.: 19-1235-005-0330 Address: 397 Golden Beach Dr. Golden Beach, FL 33160

Legal Description: Golden Beach Section E, PB 8-112, N 19.50 ft of Lot 39-all of Lot 40, Blk 4

Being duly sworn, deposes and says: That He/She is the Owner named in the permit application for construction or other related work to be performed on, or in connection with, the premises, as indicated above, and is in agreement that granting of a permit for construction on said premises, agrees to repair, or replace said seawall in question, to a conforming 4 foot elevation and to replace/and or repair any deteriorated seawall or portion thereof, as required by the Town's Code of Ordinances, Article IV "Seawalls and Docks, The Dept. of Environmental Resource Management, and the Florida Building Code 2010.

Signature of Owner or Legal Representative
Print Name:

Sworn to and subscribed before me this May 28 day of, 2019

ERIN McGOVERN
MY COMMISSION # GG254808
EXPIRES September 25, 2022

Notary Public State of Florida at Large

_____Personally know to me _____Produced Identification

Town of Golden Beach
Building Regulatory Advisory Board
Hearing Date

AUG 13 2019

TOWN OF GOLDEN BEACH
BUILDING REGULATION ADVISORY BOARD
APPLICATION FOR
PETITION FOR VARIANCE

APPROVED
DISAPPROVED
VARIANCE REQ:

Date: July 17, 2019

Fee: _____

I John Wiggins hereby petition the Town of Golden Beach for a variance from the terms of the Town of Golden Beach Code of Ordinances affecting property located at:399 Golden Beach Drive, Golden Beach __Folio No19-1235-005-0330

As specified in the attached "Application for Building Regulation Advisory Board" and related supporting material.

1. The Variance requested is for relief from the provisions of **(list section number(s) of the Town of Golden Beach Code of Ordinances): Section 66.69.2 Zone 2 Front Set Back**

2. In order to recommend the granting of the variance, it must meet all the following criteria (please provide a response to each item):

   a. The Variance is in fact a Variance from a zoning regulation as set forth within the Zoning Chapter of the Town Code. Section 66.69.2 Zone 2 Front Set Back

   b. Special conditions and circumstances exist which are peculiar to the land or structure involved, and which are not applicable to other lands or structures in the same district. Residence is requiring a 35" Stet back. This property is located at Golden Beach Drive and the Strand. The street corner reduces the setback diminishes at the front property

   c. The special conditions and circumstances do not result from the actions of the applicant. Correct

   d. Granting the Variance requested will not confer on the applicant any special privilege that is denied by the Zoning Chapter of the Town Code to other lands or structures in the same district. Correct

TOWN OF GOLDEN BEACH
BUILDING REGULATION ADVISORY BOARD
PETITION FOR VARIANCE

3. Literal interpretations of the provisions of the Zoning Chapter of the Town Code would deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of zoning regulations and would work unnecessary and undue hardship on the applicant. Correct

4. The Variance granted is the minimum Variance that will make possible the reasonable use of the land or structure. Correct

5. The granting of the Variance **will** be in harmony with the general intent and purpose of the Town Code and the Variance will not be injurious to the area involved or otherwise detrimental to the public welfare. Correct

Does the Variance being requested comply with all the above listed criteria? X Yes _____ No

6. Our code states that submission of a written statement is invited and encouraged. Has the applicant (petitioner) explained the variance to the owners of the nearest adjacent residences and sought their approval in writing? ___ Yes ___ No.
Please attach any written letters of no objection to this petition. The requested variance is for the street side and no adjacent neighbor's

7. Is this request related to new construction? X Yes No

8. Is construction in progress? Yes

9. Is this request as a result of a code violation? No

10. Did this condition exist at the time property was acquired? X Yes _____ No

11. Is this request sought as a remedy to a case to be heard, or action taken by the Special Magistrate? No

12. Do you have a building permit? X Yes _____ No

Building Permit No. B-18-12-7903 Date issued: 01/02/2018

TOWN OF GOLDEN BEACH
BUILDING REGULATION ADVISORY BOARD
PETITION FOR VARIANCE
AFFIDAVIT BY OWNER

Affidavit by Owner for Variance Request(s):

Folio No.:19-1235-005-0330 Address: 399 Golden Beach Drive, Golden Beach

Legal Description: Golden Beach Sec E, PV8-122, N19.50FT of Lot 39 & All Lot 40, BLK 4, Lot Size 82.000 X 150

Being duly sworn, deposes and says: That He/She is the Owner named in the application for Building Advisory Board for the hearing dale of_____relating to Variance requests for construction or other work to be performed on, or in connection with, the premises located as indicated in the application.

I acknowledge notification by The Town of Golden Beach, that granting of a variance(s) by The Town Council, is conditioned on the following:

1. That a Building Permit for the contemplated work pursuant to the Variance must be issued within two (2) years from the date of the approval of the Resolution granting such variance request.
2. If a Building Permit is not issued within the two (2) year time limit set then the Resolution granting the Variance approval will be null and void.
3. That as the applicant, and at my own expense, I shall record a certified copy of the Resolution in the public records of Miami-Dade County and return two (2) certified copies to the Golden Beach Town Hall for inclusion into my property records.

Signature of Owner or Legal Representative

Sworn to and subscribed before me this 17 day of, 2019

MELISSA A. RUEDA
MY COMMISSION # GG 252026
EXPIRES: August 23, 2022
Bonded Thru Notary Public Underwriters

Notary Public State of Florida at Large

___ .Personally know to me ___ Produced Identification

2019 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# L14000027310

FILED
Mar 31, 2019
Secretary of State
7871248020CC

Entity Name: GALSKY CONSTRUCTION ENTERPRISES 2, LLC

Current Principal Place of Business:

301 W. HALLANDALE BEACH BLVD.
HALLANDALE BEACH, FL 33009

Current Mailing Address:

301 W. HALLANDALE BEACH BLVD.
HALLANDALE BEACH, FL 33009

FEI Number: NOT APPLICABLE

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

HOWARD B. NADEL, P.A.
301 W. HALLANDALE BEACH BLVD.
HALLANDALE BEACH, FL 33009 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent — Date

Authorized Person(s) Detail :

Title	MGR
Name	GALSKY, ALBERTO
Address	429 CENTER ISLAND
City-State-Zip	GOLDEN BEACH FL 33160

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: ALBERTO GALSKY MGR 03/31/2019

Electronic Signature of Signing Authorized Person(s) Detail — Date

JOHN IBARRA & ASSOCIATES, INC.
Professional Land Surveyors & Mappers
WWW.IBARRALANDSURVEYORS.COM
777 N.W. 72nd AVENUE
SUITE 3028
MIAMI, FLORIDA 33126
PH: (305) 262-0400
FAX: (305) 262-0401

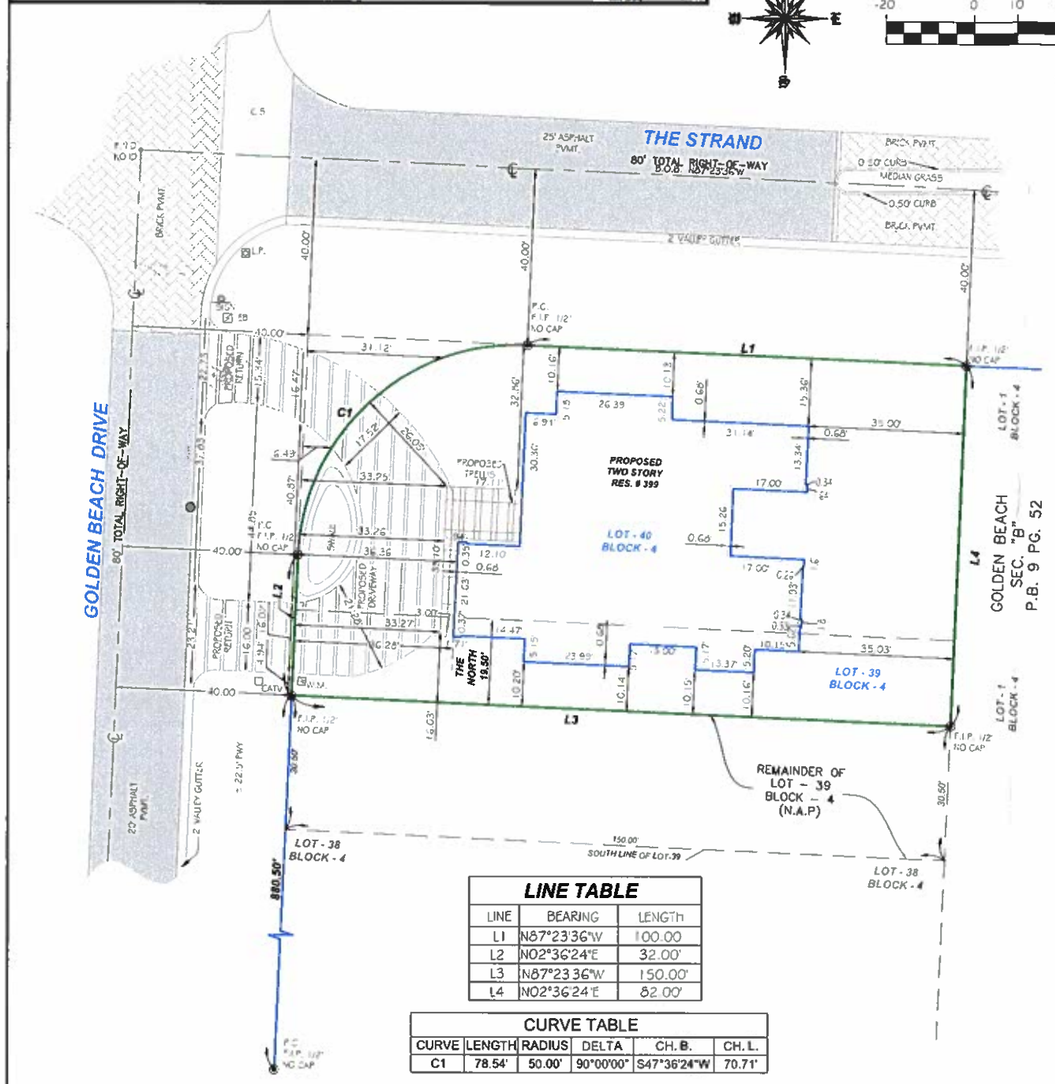
4851 TAMIAMI TRAIL NORTH
SUITE # 200
NAPLES, FL 34103
PH: (239) 540-2660
FAX: (239) 540-2664

SITE PLAN

FOR PROPOSED DRIVEWAY AND TRELLIS

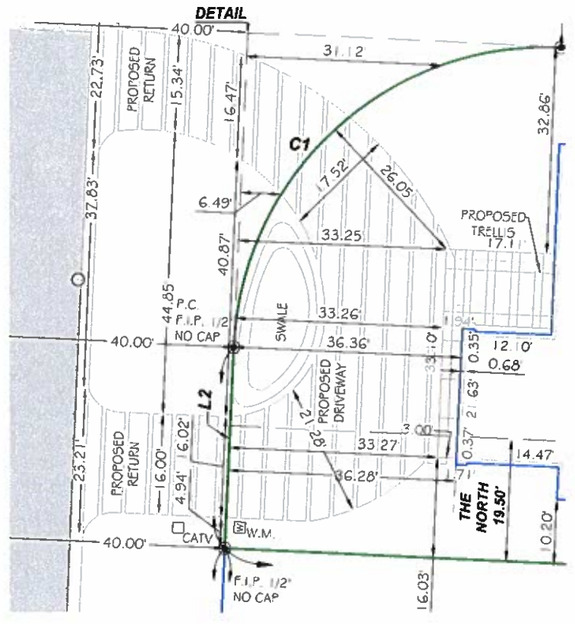
GRAPHIC SCALE
-20 0 10 20 40 80
(IN FEET)
1 INCH = 20 FEET

LOCATION SKETCH
SCALE: N.T.S.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N87°23'36"W	100.00
L2	N02°36'24"E	32.00'
L3	N87°23'36"W	150.00'
L4	N02°36'24"E	82.00'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CH. B.	CH. L.
C1	78.54'	50.00'	90°00'00"	S47°36'24"W	70.71'



LEGAL DESCRIPTION:
THE NORTH 19.50' OF LOT 39 AND ALL OF LOT 40, BLOCK 4, SECTION E OF GOLDEN BEACH, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, AT PAGE 122, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA

PROPERTY ADDRESS:
399 GOLDEN BEACH DRIVE
GOLDEN BEACH, FL 33160

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY:
- THERE MAY BE EASEMENTS RECORDED IN THE PUBLIC RECORDS NOT SHOWN ON THIS SURVEY
- EXAMINATIONS OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING THE PROPERTY
- THIS SURVEY IS SUBJECT TO DEDICATIONS, LIMITATIONS, RESTRICTIONS, RESERVATIONS OR EASEMENTS OF RECORD.
- LEGAL DESCRIPTIONS PROVIDED BY CLIENT OR ATTESTING TITLE COMPANY
- BOUNDARY SURVEY MEANS A DRAWING AND/OR A GRAPHIC REPRESENTATION OF THE SURVEY WORK PERFORMED IN THE FIELD. COULD BE DRAWN AT A SHOWN SCALE AND/OR NOT TO SCALE. THE WALLS OR FENCES MAY BE EXAGGERATED FOR CLARITY PURPOSES.
- EASEMENTS AS SHOWN ARE PER PLAT BOOK, UNLESS DEPICTED OTHERWISE
- THE TERM "ENCROACHMENT" MEANS VISIBLE AND ABOVE GROUND ENCROACHMENTS
- ARCHITECTS SHALL VERIFY ZONING REGULATIONS, RESTRICTIONS, SETBACKS AND WILL BE RESPONSIBLE FOR SUBMITTING PLOT PLANS WITH CORRECT INFORMATION FOR "APPROVAL FOR AUTHORIZATION" TO THE PROPER AUTHORITIES IN NEW CONSTRUCTION
- UNLESS OTHERWISE NOTED, THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTING AND/OR FOUNDATIONS.
- FENCE OWNERSHIP NOT DETERMINED.
- THIS PLAN OF SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON. THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTY

FLOOD ZONE INFORMATION:
THE NFIP FLOOD MAPS HAVE DESIGNATED THE HEREIN DESCRIBED LAND TO BE SITUATED IN

FLOOD ZONE:	"AE"
BASE FLOOD ELEVATION:	6 F.T.
COMMUNITY:	120676
PANEL:	0153
SUFFIX:	L
DATE OF FIRM:	09/11/2009

THE SUBJECT PROPERTY DOES LIE IN A SPECIAL FLOOD HAZARD AREA.

SURVEYOR'S NOTES:
1. IF SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY SAID PLAT IN THE DESCRIPTION OF THE PROPERTY. IF NOT, BEARINGS ARE THEN REFERRED TO COUNTY, TOWNSHIP MAPS
2. THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1:7500 FT.
3. CERTIFICATE OF AUTHORIZATION LB # 7806

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY OF THE PROPERTY DESCRIBED HEREON HAS BEEN PREPARED AND DRAWN UNDER MY SUPERVISION AND COMPLIES WITH THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 5J-17.051, F.A.C. PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

07/17/2019
BY: JOHN IBARRA (DATE OF FIELD WORK)
PROFESSIONAL LAND SURVEYOR NO. 5264 STATE OF FLORIDA
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

REVISED ON: 07-17-2019 SITE PLAN FOR PROPOSED TRELLIS
REVISED ON: 06-25-2019 SITE PLAN FOR PROPOSED DRIVEWAY
REVISED ON: 04-01-2019 FORM BOARD SURVEY
REVISED ON: 09-01-2017 UPDATED WITH CONSTRUCTION ELEVATION
REVISED ON: 05-13-2015 ADDED TREES
REVISED ON: 01-15-2015 UPDATED WITH CONSTRUCTION ELEVATION
REVISED ON: 02-13-2014 ORIGINAL SURVEY

ABBREVIATIONS AND MEANINGS

LEGEND
- = OVERHEAD UTILITY LINES
- = CONCRETE BLOCK WALL
- = CHAIN LINK FENCE
- = IRON FENCE
- = WOOD FENCE
- = BUILDING SETBACK LINE
- = UTILITY EASEMENT
- = LIMITED ACCESS R/W
- = NON-VEHICULAR ACCESS R/W
- ± 0.00 = EXISTING ELEVATIONS

DRAWN BY:	LK
FIELD DATE:	07/17/2019
SURVEY NO:	14-000523-16
SHEET:	1 OF 1

JOHN IBARRA — LICENSED — NO. 5264 — STATE OF FLORIDA — PROFESSIONAL LAND SURVEYOR
L.B.# 7806 SEAL

Marcos and Lea Carmona
410 Ocean Boulevard
Golden Beach, FL. 33160

Eric B and Keryn L. Fishman
390 Golden Beach Drive
Golden Beach, FL. 33160

Victorine Fleischman and Mary Wolf Trs
403 Golden Beach Drive
Golden Beach, FL. 33160

Nildo and Isora Herrera Trs
400 Ocean Boulevard
Golden Beach, FL. 33160

Galasky Construction Ent. 2 LLC
429 Center Island Drive
Golden Beach, FL. 33160

Franklin and Marjorie Ventura
375 Golden Beach Drive
Golden Beach, FL. 31360

410 Golden Beach LLC
410 Golden Beach Drive
Golden Beach, FL. 33160

Volodymyr Symonenko & Oksana Kirpenko
386 Golden Beach Drive
Golden Beach, FL. 33160

Salomon J. Woldenberg
Ivette Mishne Nestel
20155 NE 38th Ct., Atp 2404
Aventura, FL. 33180

Braintree FLA Corp.
398 Golden Beach Drive
Golden Beach, FL. 33160

Robert A & Allison Friedman
387 Golden Beach Drive
Golden Beach, FL. 33160-2225

Alan Wolfson
368 Golden Beach Drive
Golden Beach, FL. 33160

Annette Willis
Annette Willis Revocable Trust
371 Golden Beach Drive
Golden Beach, FL. 33160

Linda G. Brown Trs
Linda Gail Brown Living Trust
370 Ocean Boulevard
Golden Beach, FL. 33160

Zofia and Barbara Walasek
383 Golden Beach Drive
Golden Beach, Fl. 33160

Aida E & Hugo L. Martinez Trs.
380 Ocean Bouelvard
Golden Beach, FL. 33160

Melinda Almonte
395 Golden Beach Drive
Golden Beach, FL. 33160

Rochelle E. Moore Parrino
417 Golden Beach Drive
Golden Beach, FL. 33160

El Legado LLC
400 Golden Beach Drive
Golden Beach, FL. 33160

Isaac and Suzanne C. Mendal Trust
378 Golden Beach Drive
Golden Beach, FL. 33160

Karen Perry Ebstein
416 Ocean Boulevard
Golden Beach, FL. 33160

Mailing List for Variance Request
399 Golden Beach Drive – 8/13/2019

Eastern
Engineering Group

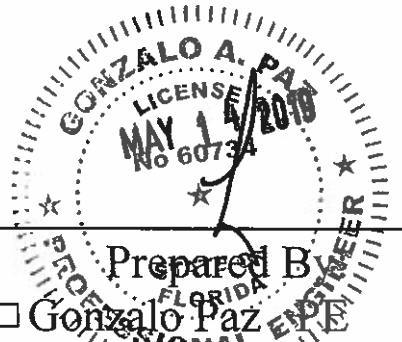
399 GOLDEN BEACH TRELLIS

Job No: 19-0207

MISC. SHOP DRAWINGS

399 Golden beach Dr
Golden Beach, FL 33160-2225

STRUCTURAL CALCULATIONS



Prepared By:
☐ Raissa Lopez, PE
Lic. No. 59399
CAN # 26655

Prepared By:
☐ Gonzalo Paz, PE
Lic. No. 60734
CAN # 26655

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15

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DESIGN CRITERIA:

Calculations based on:

1. 2017 Florida Building Code
2. Minimum Design Loads for Buildings and Other Structures ASCE 7-10
3. Building Code Requirements for Structural Concrete ACI 318-11
4. American Institute of Steel Construction AISC-14ed
5. Aluminum Design Manual 2015
6. Specifications for the Design of Cold-Formed Stainless Steel Structural Members SEI/ASCE8-02

CALCULATION INDEX:

Total Pages= 50

CALCULATION STATEMENT:

To the best of my knowledge, ability, belief and professional judgment, I hereby attest that the manual calculations and computer-generated calculations are in compliance with the existing governing codes.

☐ Prepared By:
Raissa Lopez, PE
Lic. No. 59399
CAN # 26655

☐ Prepared By:
Gonzalo Paz, PE
Lic. No. 60734
CAN # 26655

GONZALO PAZ — LICENSE — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER
MAY 14 2019

3401 NW 82nd Ave, Suite 370, Miami, Florida 33122
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WIND ANALYSIS

3401 NW 82nd Ave. Suite 370, Miami, Florida 33122
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ASCE 7-10 ASD DESIGN=0.6*W

Wind Loads on Buildings (Directional Procedure) per ASCE 7-10

Description: 19-0207 GOLDEN BEACH
Analysis by: M.M.R

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	175	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	D	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	1.0	:12
Slope of Roof (Theta)	4.8	Deg
Type of Roof	Monoslope	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	26.00	ft
Ridge Height (RHt)	26.00	ft
Mean Roof Height (Ht)	26.00	ft
Width Perp. To Wind Dir (B)	62.00	ft
Width Paral. To Wind Dir (L)	79.00	ft

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	0.42	
Flexible Structure	No	

Calculated Parameters		
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	11.500	
zg =	700.000	
At =	0.087	
Bt =	1.070	
Bm =	0.800	
Cc =	0.150	
l =	650.00	ft
Epsilon =	0.125	
Zmin =	7.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	0.6 * Ht	15.60	ft
Izm	Cc * (33/z)^0.167	0.1700	
Lzm	l*(zm/33)^Epsilon	591.89	ft
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.9169	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8869	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 26.11-1 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

ASCE 7-10 ASD DESIGN=0.6*W

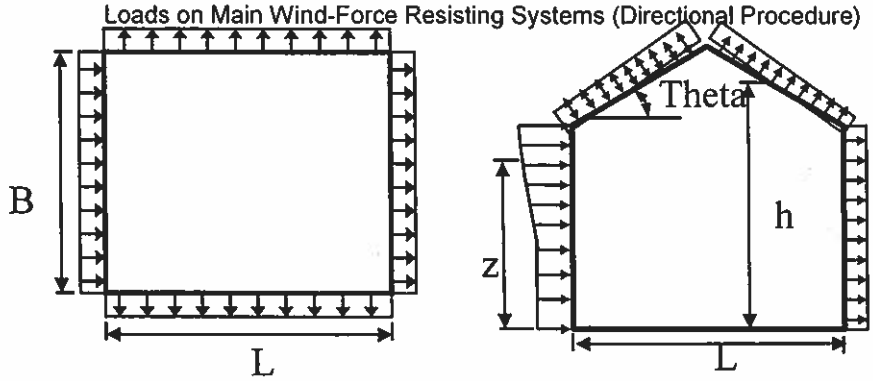
Wind Loads on Buildings (Directional Procedure) per ASCE 7-10

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2) Windward Wall*	
0			lb/ft^2	+GCpi	-GCpi
26	1.13	1.00	75.55	22.66	38.98
20	1.08	1.00	72.18	21.29	37.61
15	1.03	1.00	68.65	19.85	36.17

Figure 27.4-1 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Directional Procedure)



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	1.13	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*Kh*Kht*Kd	75.55	psf
Khcc	Comp & Clad: Table 6-3 Case 1	1.13	
Qhcc	.00256*V^2*Khcc*Kht*Kd	75.55	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
Windward Wall (See Figure 27.4-1)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 62 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 62 ft wall)	-0.45	-25.31	-8.99
Leeward Walls (Wind Dir Normal to 79 ft wall)	-0.50	-27.42	-11.11
Side Walls	-0.70	-35.13	-18.81
Overhang Bottom (Applicable on Windward only)	0.80	30.82	30.82
Roof - Wind Normal to Ridge (Theta<10) - for Wind Normal to 62 ft face			
Dist from Windward Edge: 0 ft to 52 ft - Max Cp	-0.18	-15.09	1.22
Dist from Windward Edge: 0 ft to 13 ft - Min Cp	-0.90	-42.83	-26.52
Dist from Windward Edge: 13 ft to 26 ft - Min Cp	-0.90	-42.83	-26.52

ASCE 7-10 ASD DESIGN=0.6*W

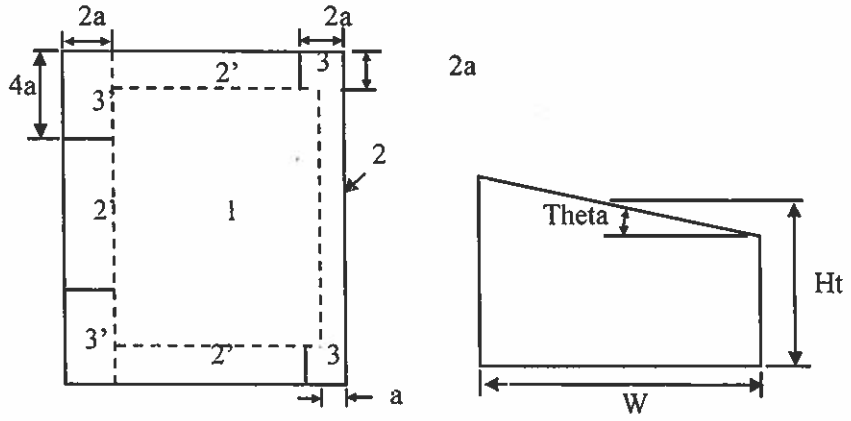
Wind Loads on Buildings (Directional Procedure) per ASCE 7-10

Dist from Windward Edge: 26 ft to 52 ft - Min Cp	-0.50	-45.71	-18.51
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 79 ft face			
Dist from Windward Edge: 0 ft to 52 ft - Max Cp	-0.18	-15.09	1.22
Dist from Windward Edge: 0 ft to 13 ft - Min Cp	-0.90	-42.83	-26.52
Dist from Windward Edge: 13 ft to 26 ft - Min Cp	-0.90	-42.83	-26.52
Dist from Windward Edge: 26 ft to 52 ft - Min Cp	-0.50	-27.42	-11.11
Dist from Windward Edge: > 52 ft	-0.30	-32.86	-5.67

* Horizontal distance from windward edge

Figure 30.4-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft OR 60<Ht<90 & Ht/MIN(B,L)<1
for Monoslope Roofs



a = 6.2 ==> 6.20 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
10			10.00	4	0.90	-0.99	48.95	-53.03
10			10.00	5	0.90	-1.26	48.95	-65.27
20			20.00	4	0.85	-0.94	46.79	-50.86
20			20.00	5	0.85	-1.16	46.79	-60.93
50			50.00	4	0.79	-0.88	43.92	-48.00
50			50.00	5	0.79	-1.04	43.92	-55.20
100			100.00	4	0.74	-0.83	41.75	-45.83
100			100.00	5	0.74	-0.94	41.75	-50.86
500			500.00	4	0.63	-0.72	36.72	-40.80
500			500.00	5	0.63	-0.72	36.72	-40.80
10			10.00	1	0.30	-1.10	21.76	-58.02
10			10.00	2	0.30	-1.30	21.76	-67.09
10			10.00	3	0.30	-1.80	21.76	-89.75
20			20.00	1	0.27	-1.10	20.39	-58.02
20			20.00	2	0.27	-1.27	20.39	-65.72
20			20.00	3	0.27	-1.62	20.39	-81.56
50			50.00	1	0.23	-1.10	18.59	-58.02
50			50.00	2	0.23	-1.23	18.59	-63.92

ASCE 7-10 ASD DESIGN=0.6*W

Wind Loads on Buildings (Directional Procedure) per ASCE 7-10

50			50.00	3	0.23	-1.38	18.59	-70.74
100			100.00	1	0.20	-1.10	17.22	-58.02
100			100.00	2	0.20	-1.20	17.22	-62.55
100			100.00	3	0.20	-1.20	17.22	-62.55
10			10.00	1H	0.30	-1.70	13.60	-77.06
10			10.00	2H	0.30	-1.70	13.60	-77.06
10			10.00	3H	0.30	-2.80	13.60	-126.92

Note: * Enter Zone 1, 2, 2', 3, 3' (See sketch), 4 & 5 (Wall Zones calculated per Fig 30.4-1)
* Use 1H, 2H, and 3H for Roof Overhangs (Per Fig 40.4-2A)

Project Name:19-0207 399 Golden Beach Trellis **Date:4/30/2019**

Wind for Solid Freestanding Walls & Signs Design (ε>70%) ASCE 7-10

General Wind Data:

$V := 175.00$ Wind Velocity (mph)

$K_{zt} := 1.00$ Topographic Factor

$K_d := 0.85$ Wind Directionality Factor (see table 26.6-1) ASCE 7-10 ....**Kd=0.85**

$G := 0.85$ Gust Factor (Rigid Structure)

$C_f := 1.85$ Net Force Coefficients (see Figure 6-20 through 6-23)

For Solid Signs: **s/h<0.16 & 0.2<B/s<10.....Cf=1.85**

For Freestanding Walls: **s/h>=1 & B/s=1.....Cf=1.45**

s/h>=1 & B/s=2.....Cf=1.40

s/h>=1 & B/s=5.....Cf=1.35

s/h>=1 & B/s=10.....Cf=1.30

$\alpha := 11.50$

$zg := 700.00$

Values for Terrain exposure constants α and zg:

Exposure B------ Value α =7 , Value zg=1200

Exposure C------ Value α =9.5 , Value zg=900

Exposure D------ Value α =11.5 , Value zg=700

General Sign Data:

$Z := 22.0$ Height of Top of Sign (ft)

$\epsilon := 100.0$ Solidity Ratio of Sign (%)

$$\lambda := 1 - \left(1 - \frac{\epsilon}{100}\right)^{1.5}$$

$\lambda = 1.00$ Solidity Ratio of Sign (%)

Then

$Z := \text{if}(Z < 15, 15, Z)$

$$K_z := 2.01\left(\frac{Z}{zg}\right)^{\frac{2}{\alpha}}$$

$K_z = 1.10$

$q_z := 0.00256 K_z \cdot K_{zt} \cdot K_d \cdot V^2$

$q_z = 73.38$ psf

Allowable Design Wind Loads:

$p_z := 0.6(q_z \cdot G \cdot C_f)$

$p_z = 69.24$ Gross Wind per Actual Solid Area (psf)

$p_{z.EQ} := \max(\lambda \cdot p_z, 10)$

$p_{z.EQ} = 69.24$ Equivalent Wind in Overall Area (psf)

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ALUMINUM TRELLIS DESIGN

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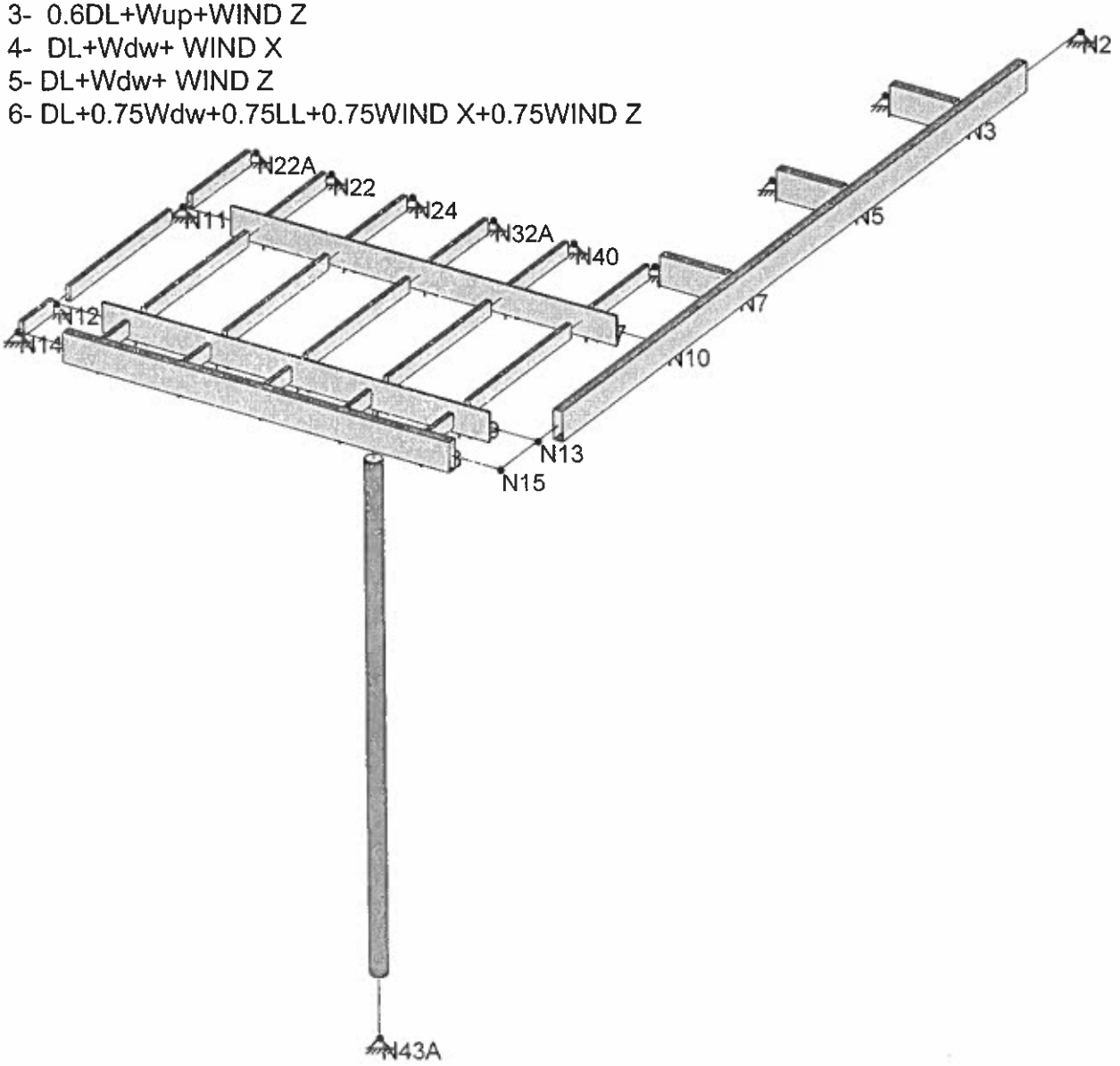
Telf. (305) 599-8133 / Email: info@easterneg.com

ALUMINUM TRELLIS DESIGN

LOADS:
DL= 10 PSF
LL= 20 PSF
WL= 69.24 PSF
Wup= 77.06 PSF

LOAD COMBINATION
1- DL+LL
2- 0.6DL+Wup+WIND X
3- 0.6DL+Wup+WIND Z
4- DL+Wdw+ WIND X
5- DL+Wdw+ WIND Z
6- DL+0.75Wdw+0.75LL+0.75WIND X+0.75WIND Z



*Solution: Envelope

E.G.G	Aluminum Trellis	SK - 1
M.M.R		Apr 30, 2019 at 11:19 AM
19-0207		Column FLAT BAR R3D

Eastern
Engineering Group
3401 NW 82nd Avenue,
Suite 370, Miami, FL 33122
(305) 599-8133
info@easterneg.com
www.easterneg.com

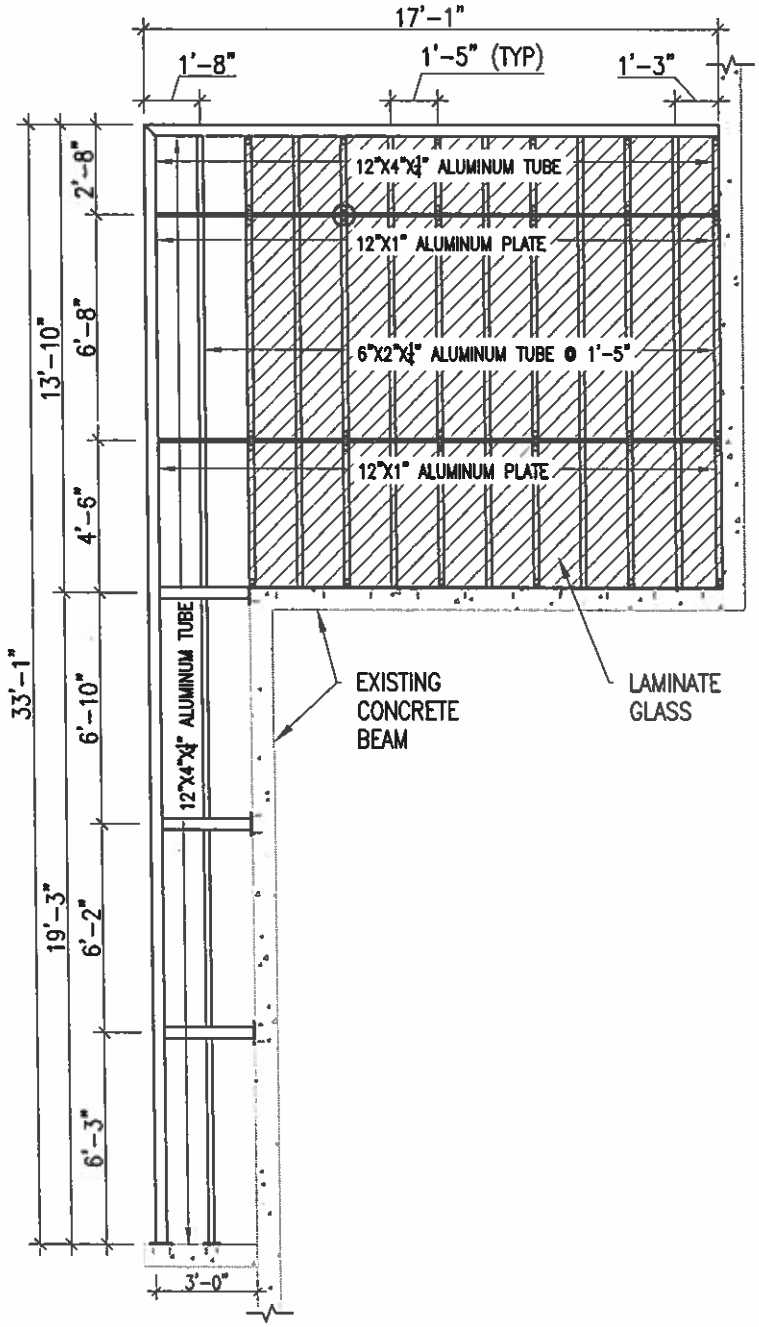
PROJ. NAME: _____

PROJ No.: _____ DATE: _____

DESIGNED BY: _____ PAGE: _____

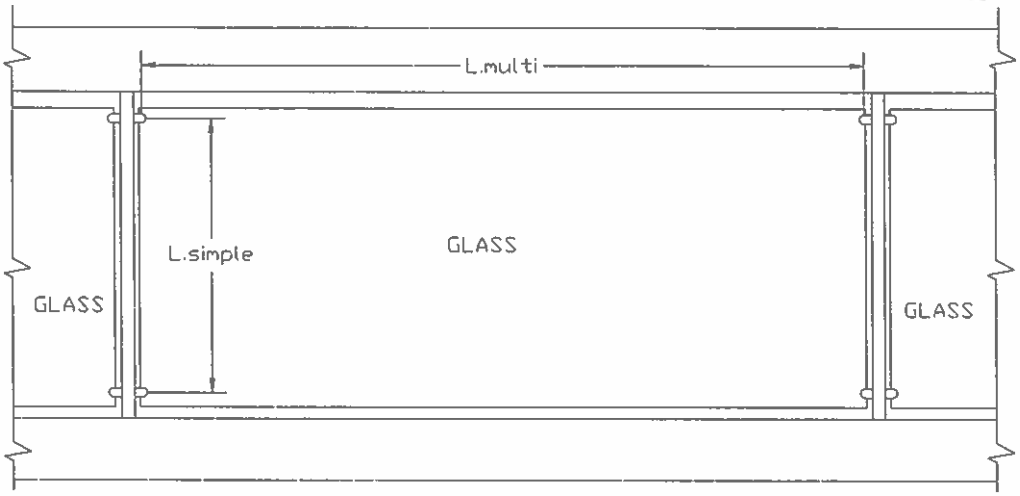
REVIEWED BY: _____

ALUMINUM TRELLIS PLAN VIEW



Project Name:19-0207 399 Golden Beach Trellis **Date:4/30/2019**

Four Side Puntual One Span Supported Glass Design



Loads Data:

$P_{200} := 400.00$ Concentrated Load (lbs)

$q_{wind} := 77.06$ Wind Uniform Load (psf)

Glass Data:

$E := 10400000.00$ Modulus of Elasticity of Glass (psi)

$Mr_{flexure} := 24000.00$ Modulus of Rupture of Glass in Flexure (psi)

$Mr_{shear} := 12000.00$ Modulus of Rigity of glass in Shear (psi)

$SF := 4.00$ Safety Factor

Geometric Glass Railing Data:

$L_{simple} := 36.0$ Vertical Span of Glass Pannel (**Distance Between Support**) (in)

$L_{multi} := 80.0$ Horizontal Span of Glass Pannel (**Distance Between Support**) (in)

$t := 0.75$ Thickness of Glass Pannel (in)

Then

$$F_b := \frac{Mr_{flexure}}{SF}$$ $F_b = 6000.00$ psi

$$F_v := \frac{Mr_{shear}}{SF}$$ $F_v = 3000.00$ psi

$$S_{simple} := \frac{\min(0.5L_{simple}, L_{multi}) \cdot t^2}{6}$$ $S_{simple} = 1.69$ in^3

$$S_{multi} := \frac{\min(0.5L_{multi}, L_{simple}) \cdot t^2}{6}$$ $S_{multi} = 3.38$ in^4

$$A_{simple} := \min(0.5L_{simple}, L_{multi}) \cdot t$$ $A_{simple} = 13.50$ in^2

$$A_{multi} := \min(0.5L_{multi}, L_{simple}) \cdot t$$ $A_{multi} = 27.00$ in^2

Actual Glass Moment:

Concentrated Load = 200 lbs.

$$M_{200.simple} := \frac{P_{200} \cdot L_{simple}}{4}$$ $M_{200.simple} = 3600.00$ lbs – in

$$M_{200.multi} := \frac{P_{200} \cdot L_{multi}}{4}$$ $M_{200.multi} = 8000.00$ lbs – in

Wind Load (psf)

$$M_{wind.simple} := \frac{\left(\frac{q_{wind}}{144}\right) \cdot \min(0.5L_{simple}, L_{multi}) \cdot L_{simple}^2}{8}$$ $M_{wind.simple} = 1560.47$ lbs – in

$$M_{wind.multi} := \frac{\left(\frac{q_{wind}}{144}\right) \cdot \min(0.5L_{multi}, L_{simple}) \cdot L_{multi}^2}{8}$$ $M_{wind.multi} = 15412.00$ lbs – in

$$M_{actual.simple} := \max(M_{200.simple}, M_{wind.simple})$$ $M_{actual.simple} = 3600.00$ lbs – in

$$M_{actual.multi} := \max(M_{200.multi}, M_{wind.multi})$$ $M_{actual.multi} = 15412.00$ lbs – in

Actual Glass Shear:

Concentrated Load = 200 lbs.

$V_{200} := P_{200}$ $\quad V_{200} = 400.00$ lbs

Wind Load (psf)

$$V_{wind.simple} := \frac{\left(\frac{q_{wind}}{144}\right) \cdot \min(0.5L_{simple}, L_{multi}) \cdot L_{simple}}{2}$$ $\quad V_{wind.simple} = 173.38$ lbs

$$V_{wind.multi} := \frac{\left(\frac{q_{wind}}{144}\right) \cdot \min(0.5L_{multi}, L_{simple}) \cdot L_{multi}}{2}$$ $\quad V_{wind.multi} = 770.60$ lbs

$V_{actual.simple} := \max(V_{200}, V_{wind.simple})$ $\quad V_{actual.simple} = 400.00$ lbs

$V_{actual.multi} := \max(V_{200}, V_{wind.multi})$ $\quad V_{actual.multi} = 770.60$ lbs

Section Required:

Bending Design: Section Modulus Required

$$Sx_{r.simple} := \frac{M_{actual.simple}}{F_b}$$ $\quad Sx_{r.simple} = 0.6$ in^3

$$Sx_{r.multi} := \frac{M_{actual.multi}}{F_b}$$ $\quad Sx_{r.multi} = 2.57$ in^3

Shear Design: Area Required

$$A_{r.simple} := \frac{V_{actual.simple}}{F_v}$$ $\quad A_{r.simple} = 0.13$ in^2

$$A_{r.multi} := \frac{V_{actual.multi}}{F_v}$$ $\quad A_{r.multi} = 0.26$ in^2

Section Provided:

$BENDING_{simple} := if(Sx_{r.simple} \geq \min(S_{simple}), "N.G", "OK")$ $\quad BENDING_{simple} = "OK"$

$BENDING_{multi} := if(Sx_{r.multi} \geq \min(S_{multi}), "N.G", "OK")$ $\quad BENDING_{multi} = "OK"$

$SHEAR_{simple} := if(A_{r.simple} \geq A_{simple}, "N.G", "OK")$ $\quad SHEAR_{simple} = "OK"$

$SHEAR_{multi} := if(A_{r.multi} \geq A_{multi}, "N.G", "OK")$ $\quad SHEAR_{multi} = "OK"$

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphr...
1	N2	-164.926523	0	-29.973898	0	
2	N3	-158.289674	0	-29.973898	0	
3	N4	-158.289674	0	-27.150001	0	
4	N5	-151.819492	0	-29.973898	0	
5	N6	-151.819492	0	-27.150001	0	
6	N7	-145.182643	0	-29.973898	0	
7	N10	-141.015976	0	-29.973898	0	
8	N11	-141.015976	0	-13.057232	0	
9	N22A	-145.182643	0	-13.057	0	
10	N12	-133.682643	0	-13.057232	0	
11	N13	-133.682643	0	-29.973898	0	
12	N14	-131.509857	0	-13.057232	0	
13	N15	-131.509857	0	-29.973898	0	
14	N22	-145.182643	0	-15.723932	0	
15	N30	-141.015976	0	-15.723932	0	
16	N45	-131.509857	0	-15.723932	0	
17	N46	-133.682643	0	-15.723932	0	
18	N24	-145.182643	0	-18.553932	0	
19	N25	-141.015976	0	-18.553932	0	
20	N26	-131.509857	0	-18.553932	0	
21	N27	-133.682643	0	-18.553932	0	
22	N32A	-145.182643	0	-21.383932	0	
23	N33	-141.015976	0	-21.383932	0	
24	N34	-131.509857	0	-21.383932	0	
25	N35	-133.682643	0	-21.383932	0	
26	N40	-145.182643	0	-24.213932	0	
27	N41	-141.015976	0	-24.213932	0	
28	N42	-131.509857	0	-24.213932	0	
29	N43	-133.682643	0	-24.213932	0	
30	N43A	-133.682643	-21.5	-24.213932	0	
31	N36	-145.182643	0	-27.043932	0	
32	N37	-141.015976	0	-27.043932	0	
33	N38	-131.509857	0	-27.043932	0	
34	N39	-133.682643	0	-27.043932	0	

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (\1E5 F)	Density[k/ft^3]	Yield[ksi]
1	Aluminum	10100	3800	.33	.1	.169	15.03

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	FRAME	HSS12X4X4	Beam	Tube	Aluminum	Typical	7.085	21.006	118.934	59.706
2	INTER	HSS6X2X4	Beam	Tube	Aluminum	Typical	3.365	2.205	13.093	6.542
3	COLUMN	PIPE 6.0	Column	Pipe	Aluminum	Typical	5.22	26.5	26.5	52.9
4	PLATE	12"X1"	Beam	None	Aluminum	Typical	12	1	144	3.79

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut..	Area (M...	Surface ...
1	DL	DL		-1				18		
2	LL	LL						18		
3	WIND UP	WL						18		
4	WIND DW	WL						18		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area (M...	Surface ...
5	WIND X	WL						1		
6	WIND Z	WL						1		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	DL+LL	Y...	Y		1	1	2	1												
2	0.6DL+Wup+WIND X	Y...	Y		1	.6	3	1	5	1										
3	0.6DL+Wup+WIND Z	Y...	Y		1	.6	3	1	6	1										
4	DL+Wdw+ WIND X	Y...	Y		1	1	4	1	5	1										
5	DL+Wdw+ WIND Z	Y...	Y		1	1	4	1	6	1										
6	DL+0.75Wdw+0.75LL+0.75WIND X+0.75WIND Z	Y...	Y		1	1	4	.75	2	.75	5	.75	6	.75						

Member Distributed Loads (BLC 1 : DL)

	Member Label	Direction	Start Magnitude[k/ft,deg]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M16	Y	-.02	-.02	0	0
2	M24	Y	-.02	-.02	0	0
3	M32	Y	-.02	-.02	0	0
4	M26	Y	-.02	-.02	0	0
5	M27	Y	-.02	-.02	0	0
6	M28	Y	-.02	-.02	0	0
7	M32B	Y	-.02	-.02	0	0
8	M33A	Y	-.02	-.02	0	0
9	M34A	Y	-.02	-.02	0	0
10	M35A	Y	-.02	-.02	0	0
11	M36	Y	-.02	-.02	0	0
12	M37	Y	-.02	-.02	0	0
13	M38	Y	-.01	-.01	0	0
14	M39	Y	-.01	-.01	0	0
15	M40	Y	-.01	-.01	0	0
16	M31A	Y	-.01	-.01	0	0
17	M32A	Y	-.01	-.01	0	0
18	M33	Y	-.01	-.01	0	0

Member Distributed Loads (BLC 2 : LL)

	Member Label	Direction	Start Magnitude[k/ft,deg]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M16	Y	-.02	-.02	0	0
2	M24	Y	-.02	-.02	0	0
3	M32	Y	-.02	-.02	0	0
4	M26	Y	-.02	-.02	0	0
5	M27	Y	-.02	-.02	0	0
6	M28	Y	-.02	-.02	0	0
7	M32B	Y	-.02	-.02	0	0
8	M33A	Y	-.02	-.02	0	0
9	M34A	Y	-.02	-.02	0	0
10	M35A	Y	-.02	-.02	0	0
11	M36	Y	-.02	-.02	0	0
12	M37	Y	-.02	-.02	0	0
13	M38	Y	-.01	-.01	0	0
14	M39	Y	-.01	-.01	0	0
15	M40	Y	-.01	-.01	0	0
16	M31A	Y	-.01	-.01	0	0
17	M32A	Y	-.01	-.01	0	0
18	M33	Y	-.01	-.01	0	0

Member Distributed Loads (BLC 3 : WIND UP)

	Member Label	Direction	Start Magnitude[k/ft,deg]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M16	Y	.156	.156	0	0
2	M24	Y	.156	.156	0	0
3	M32	Y	.156	.156	0	0
4	M26	Y	.156	.156	0	0
5	M27	Y	.156	.156	0	0
6	M28	Y	.156	.156	0	0
7	M32B	Y	.156	.156	0	0
8	M33A	Y	.156	.156	0	0
9	M34A	Y	.156	.156	0	0
10	M35A	Y	.156	.156	0	0
11	M36	Y	.156	.156	0	0
12	M37	Y	.156	.156	0	0
13	M38	Y	.078	.078	0	0
14	M39	Y	.078	.078	0	0
15	M40	Y	.078	.078	0	0
16	M31A	Y	.078	.078	0	0
17	M32A	Y	.078	.078	0	0
18	M33	Y	.078	.078	0	0

Member Distributed Loads (BLC 4 : WIND DW)

	Member Label	Direction	Start Magnitude[k/ft,deg]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M16	Y	-.028	-.028	0	0
2	M24	Y	-.028	-.028	0	0
3	M32	Y	-.028	-.028	0	0
4	M26	Y	-.028	-.028	0	0
5	M27	Y	-.028	-.028	0	0
6	M28	Y	-.028	-.028	0	0
7	M32B	Y	-.028	-.028	0	0
8	M33A	Y	-.028	-.028	0	0
9	M34A	Y	-.028	-.028	0	0
10	M35A	Y	-.028	-.028	0	0
11	M36	Y	-.028	-.028	0	0
12	M37	Y	-.028	-.028	0	0
13	M38	Y	-.014	-.014	0	0
14	M39	Y	-.014	-.014	0	0
15	M40	Y	-.014	-.014	0	0
16	M31A	Y	-.014	-.014	0	0
17	M32A	Y	-.014	-.014	0	0
18	M33	Y	-.014	-.014	0	0

Member Distributed Loads (BLC 5 : WIND X)

	Member Label	Direction	Start Magnitude[k/ft,deg]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M38A	X	.046	.046	0	0

Member Distributed Loads (BLC 6 : WIND Z)

	Member Label	Direction	Start Magnitude[k/ft,deg]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M38A	Z	-.046	-.046	0	0

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N4	max	0	4	.012	4	0	4	0	1	0	1	0	1
2		min	0	6	.007	2	0	5	0	1	0	1	0	1
3	N6	max	0	6	.012	5	0	5	0	1	0	1	0	1
4		min	0	4	.007	3	0	4	0	1	0	1	0	1
5	N11	max	0	4	1.091	6	.004	5	0	1	0	1	0	1

Envelope Joint Reactions (Continued)

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
6		min	0	5	-2.272	3	0	1	0	1	0	1	0	1
7	N12	max	0	4	.27	6	.487	5	0	1	0	1	0	1
8		min	0	3	-.819	2	0	4	0	1	0	1	0	1
9	N14	max	0	1	.207	6	.006	5	0	1	0	1	0	1
10		min	0	4	-.284	2	0	1	0	1	0	1	0	1
11	N22	max	.001	4	.125	6	0	1	0	1	0	1	0	1
12		min	0	1	-.295	3	0	6	0	1	0	1	0	1
13	N2	max	.012	4	.139	6	0	5	0	1	0	1	0	1
14		min	0	1	-.003	3	0	4	0	1	0	1	0	1
15	N22A	max	0	4	.038	6	0	5	0	1	0	1	0	1
16		min	0	5	-.082	3	0	4	0	1	0	1	0	1
17	N24	max	.012	4	.125	6	0	1	0	1	0	1	0	1
18		min	0	1	-.295	3	0	6	0	1	0	1	0	1
19	N32A	max	0	1	.125	6	0	6	0	1	0	1	0	1
20		min	-.052	4	-.296	2	0	1	0	1	0	1	0	1
21	N40	max	0	1	.128	6	0	6	0	1	0	1	0	1
22		min	-.418	4	-.302	2	0	1	0	1	0	1	0	1
23	N36	max	0	1	.653	6	0	1	0	1	0	1	0	1
24		min	-.052	4	-.923	3	-.002	5	0	1	0	1	0	1
25	N43A	max	0	5	.327	6	.496	1	0	1	0	1	0	1
26		min	-.496	2	-3.446	3	0	4	0	1				1
27	Totals:	max	0	3	5.25	6	.992	5						
28		min	-.992	4	-8.991	3	0	1						

Plate Reaction

Beam Reaction

Column Reaction

Envelope Joint Displacements

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation ...	LC	Y Rotation ...	LC	Z Rotation [r...	LC
1	N2	max	0	1	0	3	0	4	1.05e-4	6	4.056e-8	5	1.934e-3	3
2		min	0	4	0	6	0	5	-3.786e-4	2	0	4	-2.16e-3	6
3	N3	max	0	1	.153	3	0	5	1.05e-4	6	0	4	1.898e-3	3
4		min	0	4	-.164	6	0	4	-3.786e-4	2	-8.809e-8	5	-1.841e-3	6
5	N4	max	0	6	0	2	0	5	4.524e-3	3	4.084e-7	4	1.898e-3	3
6		min	0	4	0	4	0	4	-4.831e-3	6	0	1	-1.841e-3	6
7	N5	max	0	1	.294	3	0	4	1.05e-4	6	3.402e-7	5	1.665e-3	3
8		min	0	4	-.281	6	0	5	-3.786e-4	2	0	4	-1.128e-3	6
9	N6	max	0	4	0	3	0	4	8.668e-3	3	8.065e-7	4	1.665e-3	3
10		min	0	6	0	5	0	5	-8.281e-3	6	0	1	-1.128e-3	6
11	N7	max	0	1	.404	3	0	5	1.05e-4	6	0	4	1.015e-3	3
12		min	0	4	-.338	6	0	4	-3.786e-4	2	-1.423e-6	5	-3.338e-4	6
13	N10	max	0	1	.405	3	0	1	1.05e-4	6	6.039e-6	5	1.094e-3	6
14		min	0	4	-.32	6	0	5	-3.786e-4	2	0	1	-1.146e-3	3
15	N11	max	0	5	0	3	0	1	6.334e-3	3	3.097e-8	4	1.78e-4	2
16		min	0	4	0	6	0	5	-3.555e-3	6	0	5	-7.924e-5	6
17	N22A	max	0	5	0	3	0	4	6.334e-3	3	0	5	3.519e-5	3
18		min	0	4	0	6	0	5	-3.555e-3	6	-1.492e-8	4	-1.728e-5	6
19	N12	max	0	3	0	2	0	4	3.774e-4	2	1.029e-7	4	9.311e-5	6
20		min	0	4	0	6	0	5	2.252e-5	6	0	3	-1.974e-4	3
21	N13	max	0	1	.18	3	0	1	1.05e-4	6	0	1	2.224e-3	6
22		min	0	4	-.149	6	0	5	-3.786e-4	2	-1.173e-5	5	-3.06e-3	3
23	N14	max	0	4	0	2	0	1	1.41e-3	3	0	1	6.283e-5	3
24		min	0	1	0	6	0	5	-1.012e-3	6	-5.173e-8	4	-2.987e-5	6
25	N15	max	0	1	.102	3	0	4	1.05e-4	6	4.72e-7	4	6.283e-5	3
26		min	0	4	-.093	6	0	5	-3.786e-4	2	0	1	-2.987e-5	6
27	N22	max	0	1	0	3	0	6	5.733e-3	3	2.353e-8	5	4.432e-3	3
28		min	0	4	0	6	0	1	-3.273e-3	6	0	1	-2.431e-3	6
29	N30	max	0	1	.198	3	0	1	5.733e-3	3	0	5	1.058e-4	6
30		min	0	4	-.112	6	0	5	-3.273e-3	6	-8.651e-8	4	-3.077e-5	3

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation ...	LC	Y Rotation ...	LC	Z Rotation [r...	LC
31	N45	max	0	1	.045	3	0	4	1.291e-3	3	9.964e-7	4	6.283e-5	3
32		min	0	4	-.032	6	0	5	-9.428e-4	6	0	1	-2.987e-5	6
33	N46	max	0	1	.01	2	0	1	1.884e-4	2	0	5	4.29e-4	6
34		min	0	4	.002	6	0	5	8.33e-5	6	-2.957e-7	4	-6.487e-4	3
35	N24	max	0	1	0	3	0	6	4.046e-3	3	4.85e-8	5	7.817e-3	3
36		min	0	4	0	6	0	1	-2.487e-3	6	0	1	-4.417e-3	6
37	N25	max	0	1	.367	3	0	1	4.046e-3	3	1.876e-6	4	3.021e-4	6
38		min	0	4	-.211	6	0	5	-2.487e-3	6	0	5	-2.523e-4	3
39	N26	max	0	1	.083	3	0	4	9.446e-4	3	4.478e-7	4	6.283e-5	3
40		min	0	4	-.061	6	0	5	-7.336e-4	6	0	1	-2.987e-5	6
41	N27	max	0	1	.011	2	0	1	9.681e-5	6	5.302e-6	4	7.855e-4	6
42		min	0	4	.006	6	0	5	-1.045e-4	3	0	3	-1.128e-3	3
43	N32A	max	0	4	0	2	0	1	1.886e-3	3	7.347e-8	5	9.846e-3	3
44		min	0	1	0	6	0	6	-1.494e-3	6	0	1	-5.774e-3	6
45	N33	max	0	4	.469	3	0	1	1.886e-3	3	0	3	4.985e-4	6
46		min	0	1	-.279	6	0	5	-1.494e-3	6	-1.435e-5	4	-4.737e-4	3
47	N34	max	0	4	.108	3	0	4	5.001e-4	3	0	1	6.283e-5	3
48		min	0	1	-.082	6	0	5	-4.[illegible]		[illegible]-5	4	-2.987e-5	6
49	N35	max	0	4	.007	2	0	1	3.2[illegible]		[illegible]	3	1.142e-3	6
50		min	0	1	.006	6	0	5	-2.066e-4	6	-3.978e-5	4	-1.607e-3	3
51	N40	max	0	4	0	2	0	1	-1.346e-4	3	9.844e-8	5	1.041e-2	3
52		min	0	1	0	6	0	5	-5.907e-4	6	0	1	-6.464e-3	6
53	N41	max	0	4	.497	3	0	1	-1.346e-4	3	0	1	6.948e-4	6
54		min	0	1	-.313	6	0	5	-5.907e-4	6	-2.4e-7	4	-6.952e-4	3
55	N42	max	.002	4	.118	3	0	4	7.62e-5	3	0	1	6.283e-5	3
56		min	0	1	-.093	6	0	5	-1.986e-4	6	-1.327e-8	4	-2.987e-5	6
57	N43	max	.002	4	.021	3	0	1	1.139e-3	3	0	1	1.499e-3	6
58		min	0	1	-.014	6	0	5	-1.106e-3	6	-4.324e-7	4	-2.085e-3	3
59	N43A	max	0	2	0	3	0	4	0	1	0	1	0	1
60		min	0	5	0	6	0	3	-1.03e-2	5	-4.324e-7	4	-1.03e-2	4
61	N36	max	0	4	0	3	0	5	1.143e-2	3	1.083e-6	4	5.691e-3	3
62		min	0	1	0	6	0	1	-9.562e-3	6	0	1	-3.738e-3	6
63	N37	max	0	4	.466	3	0	1	-6.781e-5	6	1.535e-5	4	8.912e-4	6
64		min	0	5	-.322	6	0	5	-1.41e-3	3	0	1	-9.167e-4	3
65	N38	max	0	4	.114	3	0	4	3.904e-6	6	3.355e-5	4	6.283e-5	3
66		min	0	5	-.095	6	0	5	-2.362e-4	2	0	1	-2.987e-5	6
67	N39	max	0	4	.085	3	0	1	2.388e-3	3	4.16e-5	4	1.855e-3	6
68		min	0	5	-.07	6	0	5	-2.027e-3	6	0	1	-2.564e-3	3

Max. Deflection

Envelope Member Section Stresses

	Member	Sec		Axial[ksi]	LC	y Shear[...	LC	z Shear...	LC	y-Top[ksi]	LC	y-Bot[ksi]	LC	z-To...	LC	z-B...	LC
1	M2	1	max	.002	4	.049	3	0	4	0	1	0	1	0	1	0	1
2			min	0	1	-.037	6	-.003	5	0	1	0	1	0	1	0	1
3		2	max	.002	4	.081	6	.001	5	1.489	6	2.482	3	.004	5	0	4
4			min	0	1	-.139	3	0	4	-2.482	3	-1.489	6	0	4	-.004	5
5		3	max	.002	4	.018	3	0	5	.61	6	.506	3	0	4	0	5
6			min	0	1	.004	6	0	4	-.506	3	-.61	6	0	5	0	4
7		4	max	.002	4	.009	3	0	1	.517	6	.126	3	0	5	0	1
8			min	0	1	-.01	6	0	5	-.126	3	-.517	6	0	1	0	5
9		5	max	.002	4	0	3	0	5	0	1	0	1	0	1	0	1
10			min	0	1	-.025	6	0	1	0	1	0	1	0	1	0	1
11	M3	1	max	0	5	.002	5	0	1	0	1	0	1	0	1	0	1
12			min	0	1	.001	3	0	1	0	1	0	1	0	1	0	1
13		2	max	0	5	.001	5	0	1	.004	5	-.002	3	0	1	0	1
14			min	0	1	0	3	0	1	.002	3	-.004	5	0	1	0	1
15		3	max	0	5	0	1	0	1	.005	5	-.003	3	0	1	0	1

Envelope Member Section Stresses (Continued)

	Member	Sec		Axial[ksi]	LC	y Shear[...	LC	z Shear...	LC	y-Top[ksi]	LC	y-Bot[ksi]	LC	z-To...	LC	z-B...	LC
16			min	0	1	0	1	0	1	.003	3	-.005	5	0	1	0	1
17		4	max	0	5	0	2	0	1	.004	5	-.002	3	0	1	0	1
18			min	0	1	-.001	4	0	1	.002	3	-.004	5	0	1	0	1
19		5	max	0	5	-.001	2	0	1	0	1	0	1	0	1	0	1
20			min	0	1	-.002	4	0	1	0	1	0	1	0	1	0	1
21	M4	1	max	0	1	.002	5	0	1	0	1	0	1	0	1	0	1
22			min	0	5	.001	2	0	1	0	1	0	1	0	1	0	1
23		2	max	0	1	.001	5	0	1	.004	5	-.002	2	0	1	0	1
24			min	0	5	0	2	0	1	.002	2	-.004	5	0	1	0	1
25		3	max	0	1	0	1	0	1	.005	5	-.003	2	0	1	0	1
26			min	0	5	0	1	0	1	.003	2	-.005	5	0	1	0	1
27		4	max	0	1	0	3	0	1	.004	5	-.002	2	0	1	0	1
28			min	0	5	-.001	1	0	1	.002	2	-.004	5	0	1	0	1
29		5	max	0	1	-.001	3	0	1	0	1	0	1	0	1	0	1
30			min	0	5	-.002	1	0	1	0	1	0	1	0	1	0	1
31	M5	1	max	0	5	.034	3	0	4	0	1	0	1	0	1	0	1
32			min	0	4	-.022	6	0	5	0	1	0	1	0	1	0	1
33		2	max	0	5	.033	3	0	4	.083	3	.055	6	0	4	0	5
34			min	0	4	-.023	6	0	5	-.055	6	-.083	3	0	5	0	4
35		3	max	0	5	.033	3	0	4	.164	3	.114	6	0	4	0	5
36			min	0	4	-.024	6	0	5	-.114	6	-.164	3	0	5	0	4
37		4	max	0	5	.032	3	0	4	.244	3	.175	6	0	4	0	5
38			min	0	4	-.025	6	0	5	-.175	6	-.244	3	0	5	0	4
39		5	max	0	5	.031	3	0	4	.322	3	.238	6	0	4	0	5
40			min	0	4	-.026	6	0	5	-.238	6	-.322	3	0	5	0	4
41	M9	1	max	0	1	.041	6	0	1	.05	3	.05	6	0	4	0	1
42			min	0	5	-.06	2	0	4	-.05	6	-.05	3	0	1	0	4
43		2	max	0	1	.023	6	0	4	.387	6	.636	2	0	4	0	1
44			min	0	5	-.036	2	0	1	-.636	2	-.387	6	0	1	0	4
45		3	max	0	1	.015	3	0	1	.503	6	.819	2	.033	4	0	1
46			min	0	5	-.006	6	-.019	4	-.819	2	-.503	6	0	1	-.033	4
47		4	max	0	1	.039	2	.019	4	.354	6	.538	2	0	1	.015	4
48			min	0	5	-.024	6	0	5	-.538	2	-.354	6	-.015	4	0	1
49		5	max	0	1	.049	2	0	5	0	1	0	1	0	1	0	1
50			min	0	5	-.037	6	-.006	4	0	1	0	1	0	1	0	1
51	M16	1	max	0	4	.045	6	0	1	0	1	0	1	0	1	0	1
52			min	0	1	-.106	3	0	1	0	1	0	1	0	1	0	1
53		2	max	0	4	.022	6	0	1	.268	6	.634	2	0	1	0	1
54			min	0	1	-.053	3	0	1	-.634	2	-.268	6	0	1	0	1
55		3	max	0	4	0	1	0	1	.358	6	.845	2	0	1	0	1
56			min	0	1	0	1	0	1	-.845	2	-.358	6	0	1	0	1
57		4	max	0	4	.053	2	0	1	.268	6	.634	2	0	1	0	1
58			min	0	1	-.022	6	0	1	-.634	2	-.268	6	0	1	0	1
59		5	max	0	4	.106	2	0	1	0	1	0	1	0	1	0	1
60			min	0	1	-.045	6	0	1	0	1	0	1	0	1	0	1
61	M24	1	max	0	4	.079	6	0	1	0	1	0	1	0	1	0	1
62			min	0	1	-.186	2	0	1	0	1	0	1	0	1	0	1
63		2	max	0	4	.039	6	0	1	.831	6	1.963	2	0	1	0	1
64			min	0	1	-.093	2	0	1	-1.963	2	-.831	6	0	1	0	1
65		3	max	0	4	0	1	0	1	1.108	6	2.618	2	0	1	0	1
66			min	0	1	0	1	0	1	-2.618	2	-1.108	6	0	1	0	1
67		4	max	0	4	.093	2	0	1	.831	6	1.963	2	0	1	0	1
68			min	0	1	-.039	6	0	1	-1.963	2	-.831	6	0	1	0	1
69		5	max	0	4	.186	2	0	1	0	1	0	1	0	1	0	1
70			min	0	1	-.079	6	0	1	0	1	0	1	0	1	0	1
71	M32	1	max	0	4	.023	6	0	1	0	1	0	1	0	1	0	1
72			min	0	1	-.055	3	0	1	0	1	0	1	0	1	0	1

Envelope Member Section Stresses (Continued)

	Member	Sec		Axial[ksi]	LC	y Shear[...	LC	z Shear...	LC	y-Top[ksi]	LC	y-Bot[ksi]	LC	z-To...	LC	z-B...	LC
73		2	max	0	4	.012	6	0	1	.073	6	.172	3	0	1	0	1
74			min	0	1	-.028	3	0	1	-.172	3	-.073	6	0	1	0	1
75		3	max	0	4	0	1	0	1	.097	6	.23	3	0	1	0	1
76			min	0	1	0	1	0	1	-.23	3	-.097	6	0	1	0	1
77		4	max	0	4	.028	2	0	1	.073	6	.172	3	0	1	0	1
78			min	0	1	-.012	6	0	1	-.172	3	-.073	6	0	1	0	1
79		5	max	0	4	.055	2	0	1	0	1	0	1	0	1	0	1
80			min	0	1	-.023	6	0	1	0	1	0	1	0	1	0	1
81	M31A	1	max	0	1	.018	3	0	1	0	1	0	1	0	1	0	4
82			min	0	1	-.009	6	0	4	0	1	0	1	0	4	0	1
83		2	max	0	1	.032	3	0	1	.104	3	.05	6	0	1	0	4
84			min	0	1	-.015	6	0	4	-.05	6	-.104	3	0	4	0	1
85		3	max	0	1	.045	3	0	1	.265	3	.126	6	0	1	0	4
86			min	0	1	-.021	6	0	4	-.126	6	-.265	3	0	4	0	1
87		4	max	0	1	.059	3	0	1	.482	3	.227	6	0	1	0	4
88			min	0	1	-.028	6	0	4	-.227	6	-.482	3	0	4	0	1
89		5	max	0	1	.072	3	0	1	.756	3	.355	6	0	1	0	4
90			min	0	1	-.034	6	0	4	-.355	6	-.756	3	0	4	0	1
91	M32A	1	max	0	1	.041	6	0	1	.709	2	.32	6	0	4	0	1
92			min	0	1	-.091	2	0	4	-.32	6	-.709	2	0	1	0	4
93		2	max	0	1	.02	6	0	1	.116	6	.246	3	0	4	0	1
94			min	0	1	-.045	2	0	4	-.246	3	-.116	6	0	1	0	4
95		3	max	0	1	0	3	0	1	.256	6	.558	3	0	4	0	1
96			min	0	1	0	6	0	4	-.558	3	-.256	6	0	1	0	4
97		4	max	0	1	.046	3	0	1	.102	6	.227	2	0	1	0	4
98			min	0	1	-.021	6	0	4	-.227	2	-.102	6	0	4	0	1
99		5	max	0	1	.092	3	0	1	.748	3	.348	6	0	1	0	4
100			min	0	1	-.042	6	0	4	-.348	6	-.748	3	0	4	0	1
101	M33	1	max	0	1	.034	6	0	1	.727	2	.329	6	0	4	0	1
102			min	0	1	-.075	2	0	4	-.329	6	-.727	2	0	1	0	4
103		2	max	0	1	.022	6	0	1	.234	2	.104	6	0	4	0	1
104			min	0	1	-.049	2	0	4	-.104	6	-.234	2	0	1	0	4
105		3	max	0	1	.01	6	0	1	.026	6	.052	3	0	4	0	1
106			min	0	1	-.023	2	0	4	-.052	3	-.026	6	0	1	0	4
107		4	max	0	1	.003	3	0	1	.061	6	.13	3	0	4	0	1
108			min	0	1	-.002	6	0	4	-.13	3	-.061	6	0	1	0	4
109		5	max	0	1	.029	3	0	1	0	1	0	1	0	1	0	1
110			min	0	1	-.014	6	0	4	0	1	0	1	0	1	0	1
111	M34	1	max	0	1	.008	6	0	4	.083	6	.111	3	0	1	0	4
112			min	-.041	5	-.045	2	0	1	-.111	3	-.083	6	0	4	0	1
113		2	max	0	1	.035	3	0	1	.006	6	.499	2	0	1	0	4
114			min	-.041	5	-.036	6	0	4	-.499	2	-.006	6	0	4	0	1
115		3	max	0	1	.198	3	0	1	.961	3	1.01	6	.013	4	0	1
116			min	-.041	5	-.114	6	0	4	-1.01	6	-.961	3	0	1	-.013	4
117		4	max	0	5	.117	6	0	4	2.154	3	1.588	6	0	1	.005	4
118			min	0	1	-.163	3	0	1	-1.588	6	-2.154	3	-.005	4	0	1
119		5	max	0	5	.09	6	0	1	0	1	0	1	0	1	0	1
120			min	0	1	-.126	3	0	4	0	1	0	1	0	1	0	1
121	M35	1	max	0	1	.11	6	0	4	.07	3	.042	6	0	1	0	4
122			min	0	5	-.226	3	0	1	-.042	6	-.07	3	0	4	0	1
123		2	max	0	1	.059	6	0	1	1.44	6	3.085	3	0	1	0	4
124			min	0	5	-.128	3	0	4	-3.085	3	-1.44	6	0	4	0	1
125		3	max	0	1	.071	2	0	1	1.797	6	3.964	3	.005	4	0	1
126			min	0	5	-.035	6	0	4	-3.964	3	-1.797	6	0	1	-.005	4
127		4	max	0	1	.168	3	0	4	.896	6	2.197	3	0	1	.002	4
128			min	0	5	-.084	6	0	1	-2.197	3	-.896	6	-.002	4	0	1
129		5	max	0	4	.138	3	0	1	0	1	0	1	0	1	0	1

Envelope Member Section Stresses (Continued)

	Member	Sec		Axial[ksi]	LC	y Shear[...	LC	z Shear...	LC	y-Top[ksi]	LC	y-Bot[ksi]	LC	z-To...	LC	z-B...	LC
130			min	0	5	-.06	6	0	4	0	1	0	1	0	1	0	1
131	M26	1	max	.003	4	.045	6	0	1	0	1	0	1	0	1	0	1
132			min	0	1	-.106	3	0	1	0	1	0	1	0	1	0	1
133		2	max	.003	4	.022	6	0	1	.268	6	.634	2	0	1	0	1
134			min	0	1	-.053	3	0	1	-.634	2	-.268	6	0	1	0	1
135		3	max	.003	4	0	1	0	1	.358	6	.845	2	0	1	0	1
136			min	0	1	0	1	0	1	-.845	2	-.358	6	0	1	0	1
137		4	max	.003	4	.053	2	0	1	.268	6	.634	3	0	1	0	1
138			min	0	1	-.022	6	0	1	-.634	3	-.268	6	0	1	0	1
139		5	max	.003	4	.106	2	0	1	0	1	0	1	0	1	0	1
140			min	0	1	-.045	6	0	1	0	1	0	1	0	1	0	1
141	M27	1	max	.003	4	.079	6	0	1	0	1	0	1	0	1	0	1
142			min	0	1	-.186	2	0	1	0	1	0	1	0	1	0	1
143		2	max	.003	4	.039	6	0	1	.831	6	1.963	2	0	1	0	1
144			min	0	1	-.093	2	0	1	-1.963	2	-.831	6	0	1	0	1
145		3	max	.003	4	0	1	0	1	1.108	6	2.618	2	0	1	0	1
146			min	0	1	0	1	0	1	-2.618	2	-1.108	6	0	1	0	1
147		4	max	.003	4	.093	2	0	1	.831	6	1.963	2	0	1	0	1
148			min	0	1	-.039	6	0	1	-1.963	2	-.831	6	0	1	0	1
149		5	max	.003	4	.186	2	0	1	0	1	0	1	0	1	0	1
150			min	0	1	-.079	6	0	1	0	1	0	1	0	1	0	1
151	M28	1	max	.003	4	.023	6	0	1	0	1	0	1	0	1	0	1
152			min	0	1	-.055	2	0	1	0	1	0	1	0	1	0	1
153		2	max	.003	4	.012	6	0	1	.073	6	.172	2	0	1	0	1
154			min	0	1	-.028	2	0	1	-.172	2	-.073	6	0	1	0	1
155		3	max	.003	4	0	1	0	1	.097	6	.23	2	0	1	0	1
156			min	0	1	0	1	0	1	-.23	2	-.097	6	0	1	0	1
157		4	max	.003	4	.028	2	0	1	.073	6	.172	2	0	1	0	1
158			min	0	1	-.012	6	0	1	-.172	2	-.073	6	0	1	0	1
159		5	max	.003	4	.055	2	0	1	0	1	0	1	0	1	0	1
160			min	0	1	-.023	6	0	1	0	1	0	1	0	1	0	1
161	M32B	1	max	0	1	.045	6	0	1	0	1	0	1	0	1	0	1
162			min	-.015	4	-.106	2	0	1	0	1	0	1	0	1	0	1
163		2	max	0	1	.022	6	0	1	.268	6	.634	2	0	1	0	1
164			min	-.015	4	-.053	2	0	1	-.634	2	-.268	6	0	1	0	1
165		3	max	0	1	0	1	0	1	.358	6	.845	2	0	1	0	1
166			min	-.015	4	0	1	0	1	-.845	2	-.358	6	0	1	0	1
167		4	max	0	1	.053	2	0	1	.268	6	.634	2	0	1	0	1
168			min	-.015	4	-.022	6	0	1	-.634	2	-.268	6	0	1	0	1
169		5	max	0	1	.106	2	0	1	0	1	0	1	0	1	0	1
170			min	-.015	4	-.045	6	0	1	0	1	0	1	0	1	0	1
171	M33A	1	max	0	1	.079	6	0	1	0	1	0	1	0	1	0	1
172			min	-.015	4	-.186	2	0	1	0	1	0	1	0	1	0	1
173		2	max	0	1	.039	6	0	1	.831	6	1.963	2	0	1	0	1
174			min	-.015	4	-.093	2	0	1	-1.963	2	-.831	6	0	1	0	1
175		3	max	0	1	0	1	0	1	1.108	6	2.618	2	0	1	0	1
176			min	-.015	4	0	1	0	1	-2.618	2	-1.108	6	0	1	0	1
177		4	max	0	1	.093	2	0	1	.831	6	1.963	2	0	1	0	1
178			min	-.015	4	-.039	6	0	1	-1.963	2	-.831	6	0	1	0	1
179		5	max	0	1	.186	2	0	1	0	1	0	1	0	1	0	1
180			min	-.015	4	-.079	6	0	1	0	1	0	1	0	1	0	1
181	M34A	1	max	0	1	.023	6	0	1	0	1	0	1	0	1	0	1
182			min	-.014	4	-.055	2	0	1	0	1	0	1	0	1	0	1
183		2	max	0	1	.012	6	0	1	.073	6	.172	2	0	1	0	1
184			min	-.014	4	-.028	2	0	1	-.172	2	-.073	6	0	1	0	1
185		3	max	0	1	0	1	0	1	.097	6	.23	2	0	1	0	1
186			min	-.014	4	0	1	0	1	-.23	2	-.097	6	0	1	0	1

Envelope Member Section Stresses (Continued)

	Member	Sec		Axial[ksi]	LC	y Shear[...	LC	z Shear...	LC	y-Top[ksi]	LC	y-Bot[ksi]	LC	z-To...	LC	z-B...	LC
187		4	max	0	1	.028	2	0	1	.073	6	.172	2	0	1	0	1
188			min	-.014	4	-.012	6	0	1	-.172	2	-.073	6	0	1	0	1
189		5	max	0	1	.055	2	0	1	0	1	0	1	0	1	0	1
190			min	-.014	4	-.023	6	0	1	0	1	0	1	0	1	0	1
191	M35A	1	max	0	1	.045	6	0	1	0	1	0	1	0	1	0	1
192			min	-.124	4	-.106	2	0	1	0	1	0	1	0	1	0	1
193		2	max	0	1	.022	6	0	1	.268	6	.634	2	0	1	0	1
194			min	-.124	4	-.053	2	0	1	-.634	2	-.268	6	0	1	0	1
195		3	max	0	1	0	1	0	1	.358	6	.845	2	0	1	0	1
196			min	-.124	4	0	1	0	1	-.845	2	-.358	6	0	1	0	1
197		4	max	0	1	.053	2	0	1	.268	6	.634	2	0	1	0	1
198			min	-.124	4	-.022	6	0	1	-.634	2	-.268	6	0	1	0	1
199		5	max	0	1	.106	2	0	1	0	1	0	1	0	1	0	1
200			min	-.124	4	-.045	6	0	1	0	1	0	1	0	1	0	1
201	M36	1	max	0	1	.079	6	0	1	0	1	0	1	0	1	0	1
202			min	-.125	4	-.186	2	0	1	0	1	0	1	0	1	0	1
203		2	max	0	1	.039	6	0	1	.831	6	1.963	2	0	1	0	1
204			min	-.125	4	-.093	2	0	1	-1.963	2	-.831	6	0	1	0	1
205		3	max	0	1	0	1	0	1	1.108	6	2.618	2	0	1	0	1
206			min	-.125	4	0	1	0	1	-2.618	2	-1.108	6	0	1	0	1
207		4	max	0	1	.093	2	0	1	.831	6	1.963	2	0	1	0	1
208			min	-.125	4	-.039	6	0	1	-1.963	2	-.831	6	0	1	0	1
209		5	max	0	1	.186	2	0	1	0	1	0	1	0	1	0	1
210			min	-.125	4	-.079	6	0	1	0	1	0	1	0	1	0	1
211	M37	1	max	.021	4	.023	6	0	1	0	1	0	1	0	1	0	1
212			min	0	1	-.055	2	0	1	0	1	0	1	0	1	0	1
213		2	max	.021	4	.012	6	0	1	.073	6	.172	2	0	1	0	1
214			min	0	1	-.028	2	0	1	-.172	2	-.073	6	0	1	0	1
215		3	max	.021	4	0	1	0	1	.097	6			0	1	0	1
216			min	0	1	0	1	0	1	-.23	2			0	1	0	1
217		4	max	.021	4	.028	2	0	1	.073	6			0	1	0	1
218			min	0	1	-.012	6	0	1	-.172	2	-.073	6	0	1	0	1
219		5	max	.021	4	.055	2	0	1	0	1	0	1	0	1	0	1
220			min	0	1	-.023	6	0	1	0	1	0	1	0	1	0	1
221	M38	1	max	0	5	.181	6	0	5	6.915	3	5.033	6	0	4	0	5
222			min	-.015	4	-.268	3	0	4	-5.033	6	-6.915	3	0	5	0	4
223		2	max	0	5	.169	6	0	5	4.874	3	3.632	6	0	4	0	5
224			min	-.015	4	-.242	3	0	4	-3.632	6	-4.874	3	0	5	0	4
225		3	max	0	5	.157	6	0	5	3.042	3	2.326	6	0	4	0	5
226			min	-.015	4	-.216	3	0	4	-2.326	6	-3.042	3	0	5	0	4
227		4	max	0	5	.146	6	0	5	1.417	3	1.115	6	0	4	0	5
228			min	-.015	4	-.19	3	0	4	-1.115	6	-1.417	3	0	5	0	4
229		5	max	0	5	.134	6	0	5	0	1	0	1	0	1	0	1
230			min	-.015	4	-.164	3	0	4	0	1	0	1	0	1	0	1
231	M39	1	max	0	5	.042	6	0	1	0	1	0	1	0	1	0	1
232			min	-.015	4	-.092	2	0	1	0	1	0	1	0	1	0	1
233		2	max	0	5	.021	6	0	1	.443	6	.965	2	0	1	0	1
234			min	-.015	4	-.046	2	0	1	-.965	2	-.443	6	0	1	0	1
235		3	max	0	5	0	1	0	1	.591	6	1.287	2	0	1	0	1
236			min	-.015	4	0	1	0	1	-1.287	2	-.591	6	0	1	0	1
237		4	max	0	5	.046	2	0	1	.443	6	.965	2	0	1	0	1
238			min	-.015	4	-.021	6	0	1	-.965	2	-.443	6	0	1	0	1
239		5	max	0	5	.092	2	0	1	0	1	0	1	0	1	0	1
240			min	-.015	4	-.042	6	0	1	0	1	0	1	0	1	0	1
241	M40	1	max	0	5	.012	6	0	1	0	1	0	1	0	1	0	1
242			min	-.014	4	-.027	2	0	1	0	1	0	1	0	1	0	1
243		2	max	0	5	.006	6	0	1	.039	6	.085	2	0	1	0	1

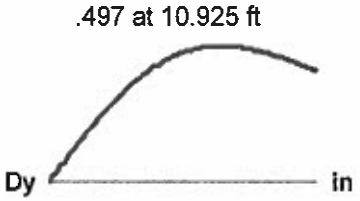
fb < 9000 psi
OK

Envelope Member Section Stresses (Continued)

	Member	Sec		Axial[ksi]	LC	y Shear[...	LC	z Shear...	LC	y-Top[ksi]	LC	y-Bot[ksi]	LC	z-To...	LC	z-B...	LC
244			min	-.014	4	-.014	2	0	1	-.085	2	-.039	6	0	1	0	1
245		3	max	0	5	0	1	0	1	.052	6	.113	2	0	1	0	1
246			min	-.014	4	0	1	0	1	-.113	2	-.052	6	0	1	0	1
247		4	max	0	5	.014	2	0	1	.039	6	.085	2	0	1	0	1
248			min	-.014	4	-.006	6	0	1	-.085	2	-.039	6	0	1	0	1
249		5	max	0	5	.027	2	0	1	0	1	0	1	0	1	0	1
250			min	-.014	4	-.012	6	0	1	0	1	0	1	0	1	0	1
251	M38A	1	max	.42	6	.19	2	0	1	0	1	0	1	0	1	0	1
252			min	-.675	3	0	1	-.19	3	0	1	0	1	0	1	0	1
253		2	max	.427	6	.095	2	0	1	3.001	2	0	1	0	1	3.001	3
254			min	-.671	3	0	1	-.095	3	0	1	-3.001	2	-3.001	3	0	1
255		3	max	.433	6	0	1	0	1	4.001	2	0	1	0	1	4.001	3
256			min	-.668	3	0	1	0	1	0	1	-4.001	2	-4.001	3	0	1
257		4	max	.439	6	0	1	.095	5	3.001	2	0	1	0	1	3.001	3
258			min	-.664	3	-.095	2	0	1	0	1	-3.001	2	-3.001	3	0	1
259		5	max	.446	6	0	1	.19	5	0	1	0	1	0	1	0	1
260			min	-.66	3	-.19	2	0	1	0	1	0	1	0	1	0	1

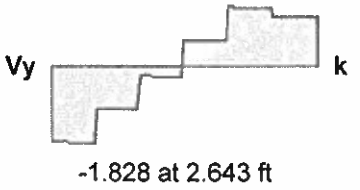
Beam: ***M35***

Shape: **12"X1"**
Material: **Aluminum**
Length: **16.917 ft**
I Joint: **N11**
J Joint: **N10**
LC 3: 0.6DL+Wup+WIND Z
Code Check: **0.708 (bending)**
Report Based On 97 Sections



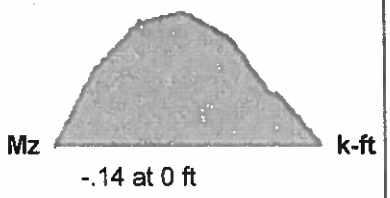
Dz — in

A: -.004 at 11.278 ft / -.004 at 14.097 ft — k



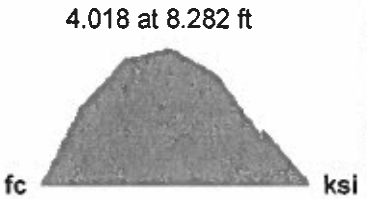
Vz — k

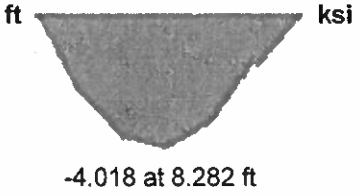
T: -.008 at 0 ft / -.008 at 11.278 ft — k-ft



My — k-ft
0 at 13.921 ft

fa: 0 at 11.278 ft / 0 at 14.097 ft — ksi





AISC 13th ASD Code Check

Direct Analysis Method

Max Bending Check	**0.708**	Max Shear Check	**0.047 (y)**
Location	**8.282 ft**	Location	**2.643 ft**
Equation	**H1-1b**	Max Defl Ratio	**L/753**
Bending Flange	**Compact**	Compression Flange	**Non-Slender**
Bending Web	**Compact**	Compression Web	**Non-Slender**

Fy	**15.03 ksi**
Pnc/om	**45.094 k**
Pnt/om	**108 k**
Mny/om	**2.25 k-ft**
Mnz/om	**11.35 k-ft**
Vny/om	**64.8 k**
Vnz/om	**64.8 k**
Cb	**1.203**

	Y-Y	Z-Z
Lb	**2.83 ft**	**2.83 ft**
KL/r	**117.641**	**9.803**
Sway	**No**	**No**

L Comp Flange	**16.917 ft**
Torque Length	**NC**
Tau_b	**1**

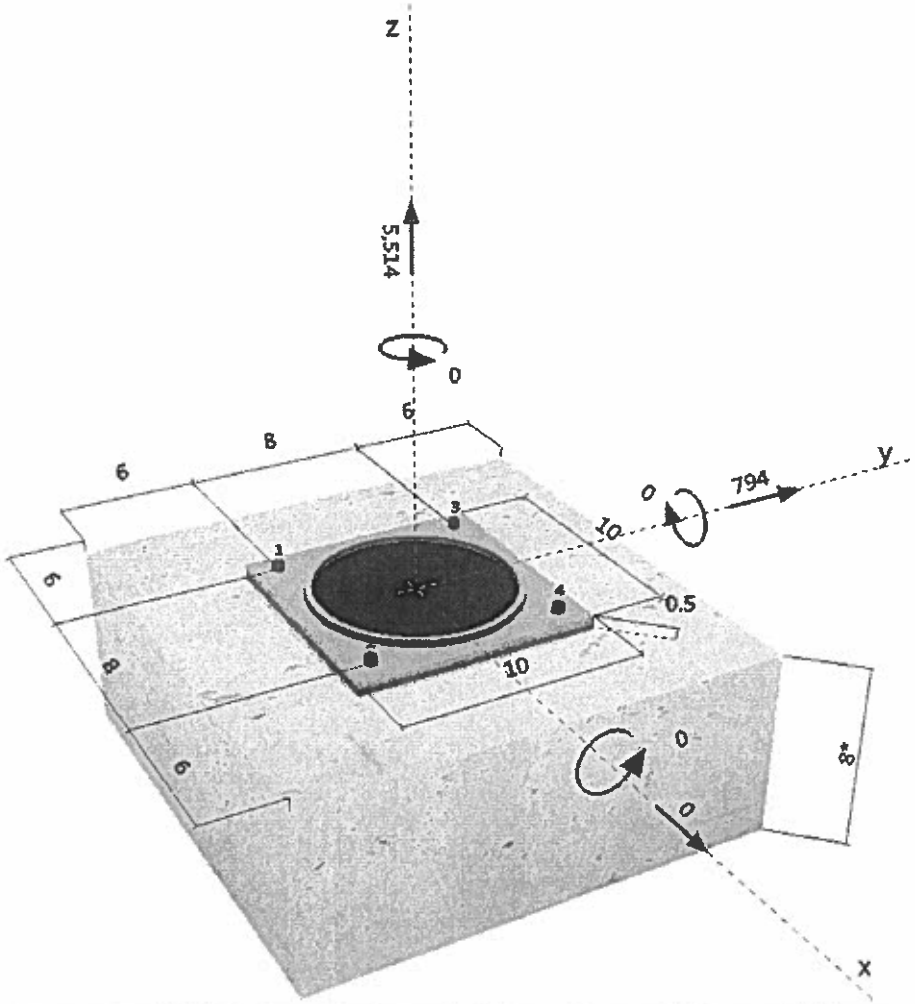
Company:
Specifier:
Address:
Phone I Fax: |
E-Mail:

COLUMN CONNECTION

1 Input data

Anchor type and diameter:	**KWIK HUS-EZ (KH-EZ) 1/2 (3)**
Effective embedment depth:	h_{ef} = 2.160 in., h_{nom} = 3.000 in.
Material:	Carbon Steel
Evaluation Service Report:	ESR-3027
Issued I Valid:	2/1/2016 | 12/1/2017
Proof:	Design method ACI 318 / AC193
Stand-off installation:	e_b = 0.000 in. (no stand-off); t = 0.500 in.
Anchor plate:	l_x x l_y x t = 10.000 in. x 10.000 in. x 0.500 in.; (Recommended plate thickness: not calculated
Profile:	Round HSS, Steel pipe (AISC); (L x W x T) = 8.625 in. x 8.625 in. x 0.250 in.
Base material:	uncracked concrete, 3000, f_c' = 3000 psi; h = 8.000 in.
Reinforcement:	tension: condition B, shear: condition B; no supplemental splitting reinforcement present edge reinforcement: none or < No. 4 bar
Seismic loads (cat. C, D, E, or F)	no

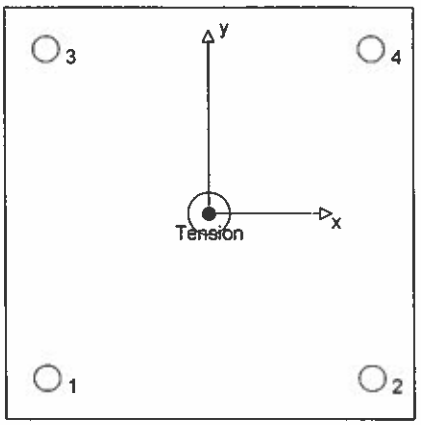
Geometry [in.] & Loading [lb, in.lb]



Company:
Specifier:
Address:
Phone I Fax: |
E-Mail:

2 Load case/Resulting anchor forces

Load case: Design loads



Anchor reactions [lb]
Tension force: (+Tension, -Compression)

Anchor	Tension force	Shear force	Shear force x	Shear force y
1	1378	199	0	199
2	1378	199	0	199
3	1378	199	0	199
4	1378	199	0	199

max. concrete compressive strain: - [‰]
max. concrete compressive stress: - [psi]
resulting tension force in (x/y)=(0.000/0.000): 5514 [lb]
resulting compression force in (x/y)=(0.000/0.000): 0 [lb]

3 Tension load

	Load N_{ua} [lb]	Capacity ϕN_n [lb]	Utilization $\beta_N = N_{ua}/\phi N_n$	Status
Steel Strength*	1378	11778	12	OK
Pullout Strength*	N/A	N/A	N/A	N/A
Concrete Breakout Strength**	5514	12206	46	OK

* anchor having the highest loading **anchor group (anchors in tension)

3.1 Steel Strength

N_{sa} = ESR value refer to ICC-ES ESR-3027
$\phi N_{sa} \geq N_{ua}$ ACI 318-08 Eq. (D-1)

Variables

$A_{se,N}$ [in.^{2}]	f_{uta} [psi]
0.16	112540

Calculations

N_{sa} [lb]
18120

Results

N_{sa} [lb]	ϕ_{steel}	ϕN_{sa} [lb]	N_{ua} [lb]
18120	0.650	11778	1378

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

3.2 Concrete Breakout Strength

$N_{cbg} = \left(\frac{A_{Nc}}{A_{Nc0}}\right) \psi_{ec,N} \psi_{ed,N} \psi_{c,N} \psi_{cp,N} N_b$ ACI 318-08 Eq. (D-5)

$\phi N_{cbg} \geq N_{ua}$ ACI 318-08 Eq. (D-1)

A_{Nc} see ACI 318-08, Part D.5.2.1, Fig. RD.5.2.1(b)

$A_{Nc0} = 9 h_{ef}^2$ ACI 318-08 Eq. (D-6)

$\psi_{ec,N} = \left(\frac{1}{1 + \frac{2 e_N}{3 h_{ef}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-9)

$\psi_{ed,N} = 0.7 + 0.3 \left(\frac{c_{a,min}}{1.5 h_{ef}}\right) \leq 1.0$ ACI 318-08 Eq. (D-11)

$\psi_{cp,N} = MAX\left(\frac{c_{a,min}}{c_{ac}}, \frac{1.5 h_{ef}}{c_{ac}}\right) \leq 1.0$ ACI 318-08 Eq. (D-13)

$N_b = k_c \lambda \sqrt{f'_c} h_{ef}^{1.5}$ ACI 318-08 Eq. (D-7)

Variables

h_{ef} [in.]	$e_{c1,N}$ [in.]	$e_{c2,N}$ [in.]	$c_{a,min}$ [in.]	$\psi_{c,N}$
2.160	0.000	0.000	6.000	1.000

c_{ac} [in.]	k_c	λ	f'_c [psi]
3.750	27	1	3000

Calculations

A_{Nc} [in.^{2}]	A_{Nc0} [in.^{2}]	$\psi_{ec1,N}$	$\psi_{ec2,N}$	$\psi_{ed,N}$	$\psi_{cp,N}$	N_b [lb]
167.96	41.99	1.000	1.000	1.000	1.000	4695

Results

N_{cbg} [lb]	$\phi_{concrete}$	ϕN_{cbg} [lb]	N_{ua} [lb]
18779	0.650	12206	5514

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

4 Shear load

	Load V_{ua} [lb]	Capacity ϕV_n [lb]	Utilization $\beta_V = V_{ua}/\phi V_n$	Status
Steel Strength*	199	5547	4	OK
Steel failure (with lever arm)*	N/A	N/A	N/A	N/A
Pryout Strength**	794	13145	7	OK
Concrete edge failure in direction y+**	794	5070	16	OK

* anchor having the highest loading **anchor group (relevant anchors)

4.1 Steel Strength

V_{sa} = ESR value refer to ICC-ES ESR-3027
$\phi\ V_{steel} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

Variables

$A_{se,V}$ [in.^{2}]	f_{uta} [psi]
0.16	112540

Calculations

V_{sa} [lb]
9245

Results

V_{sa} [lb]	ϕ_{steel}	$\phi\ V_{sa}$ [lb]	V_{ua} [lb]
9245	0.600	5547	199

4.2 Pryout Strength

$V_{cpg} = k_{cp}\left[\left(\frac{A_{Nc}}{A_{Nc0}}\right)\psi_{ec,N}\psi_{ed,N}\psi_{c,N}\psi_{cp,N}N_b\right]$ ACI 318-08 Eq. (D-31)

$\phi\ V_{cpg} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

A_{Nc} see ACI 318-08, Part D.5.2.1, Fig. RD.5.2.1(b)

$A_{Nc0} = 9\ h_{ef}^2$ ACI 318-08 Eq. (D-6)

$\psi_{ec,N} = \left(\frac{1}{1+\frac{2\ e_N}{3\ h_{ef}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-9)

$\psi_{ed,N} = 0.7 + 0.3\left(\frac{c_{a,min}}{1.5h_{ef}}\right) \leq 1.0$ ACI 318-08 Eq. (D-11)

$\psi_{cp,N} = MAX\left(\frac{c_{a,min}}{c_{ac}}, \frac{1.5h_{ef}}{c_{ac}}\right) \leq 1.0$ ACI 318-08 Eq. (D-13)

$N_b = k_c\ \lambda\ \sqrt{f'_c}\ h_{ef}^{1.5}$ ACI 318-08 Eq. (D-7)

Variables

k_{cp}	h_{ef} [in.]	$e_{c1,N}$ [in.]	$e_{c2,N}$ [in.]	$c_{a,min}$ [in.]
1	2.160	0.000	0.000	6.000

$\psi_{c,N}$	c_{ac} [in.]	k_c	λ	f'_c [psi]
1.000	3.750	27	1	3000

Calculations

A_{Nc} [in.^{2}]	A_{Nc0} [in.^{2}]	$\psi_{ec1,N}$	$\psi_{ec2,N}$	$\psi_{ed,N}$	$\psi_{cp,N}$	N_b [lb]
167.96	41.99	1.000	1.000	1.000	1.000	4695

Results

V_{cpg} [lb]	$\phi_{concrete}$	$\phi\ V_{cpg}$ [lb]	V_{ua} [lb]
18779	0.700	13145	794

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

4.3 Concrete edge failure in direction y+

$V_{cbg} = \left(\frac{A_{Vc}}{A_{Vc0}}\right) \Psi_{ec,V} \Psi_{ed,V} \Psi_{c,V} \Psi_{h,V} \Psi_{parallel,V} V_b$ ACI 318-08 Eq. (D-22)

$\phi V_{cbg} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

A_{Vc} see ACI 318-08, Part D.6.2.1, Fig. RD.6.2.1(b)

$A_{Vc0} = 4.5 c_{a1}^2$ ACI 318-08 Eq. (D-23)

$\Psi_{ec,V} = \left(\frac{1}{1 + \frac{2e_v}{3c_{a1}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-26)

$\Psi_{ed,V} = 0.7 + 0.3\left(\frac{c_{a2}}{1.5c_{a1}}\right) \leq 1.0$ ACI 318-08 Eq. (D-28)

$\Psi_{h,V} = \sqrt{\frac{1.5c_{a1}}{h_a}} \geq 1.0$ ACI 318-08 Eq. (D-29)

$V_b = \left(7\left(\frac{l_e}{d_a}\right)^{0.2}\sqrt{d_a}\right) \lambda \sqrt{f'_c}\, c_{a1}^{1.5}$ ACI 318-08 Eq. (D-24)

Variables

c_{a1} [in.]	c_{a2} [in.]	e_{cV} [in.]	$\Psi_{c,V}$	h_a [in.]
5.333	6.000	0.000	1.400	8.000

l_e [in.]	λ	d_a [in.]	f'_c [psi]	$\Psi_{parallel,V}$
2.160	1.000	0.500	3000	1.000

Calculations

A_{Vc} [in.^{2}]	A_{Vc0} [in.^{2}]	$\Psi_{ec,V}$	$\Psi_{ed,V}$	$\Psi_{h,V}$	V_b [lb]
160.00	128.00	1.000	0.925	1.000	4474

Results

V_{cbg} [lb]	$\phi_{concrete}$	ϕV_{cbg} [lb]	V_{ua} [lb]
7243	0.700	5070	794

5 Combined tension and shear loads

β_N	β_V	ζ	Utilization $\beta_{N,V}$ [%]	Status
0.452	0.157	5/3	32	OK

$\beta_{NV} = \beta_N^{\zeta} + \beta_V^{\zeta} <= 1$

6 Warnings

- Load re-distributions on the anchors due to elastic deformations of the anchor plate are not considered. The anchor plate is assumed to be sufficiently stiff, in order not to be deformed when subjected to the loading! Input data and results must be checked for agreement with the existing conditions and for plausibility!
- Condition A applies when supplementary reinforcement is used. The Φ factor is increased for non-steel Design Strengths except Pullout Strength and Pryout strength. Condition B applies when supplementary reinforcement is not used and for Pullout Strength and Pryout Strength. Refer to your local standard.
- Refer to the manufacturer's product literature for cleaning and installation instructions.
- Checking the transfer of loads into the base material and the shear resistance are required in accordance with ACI 318 or the relevant standard!

Fastening meets the design criteria!

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

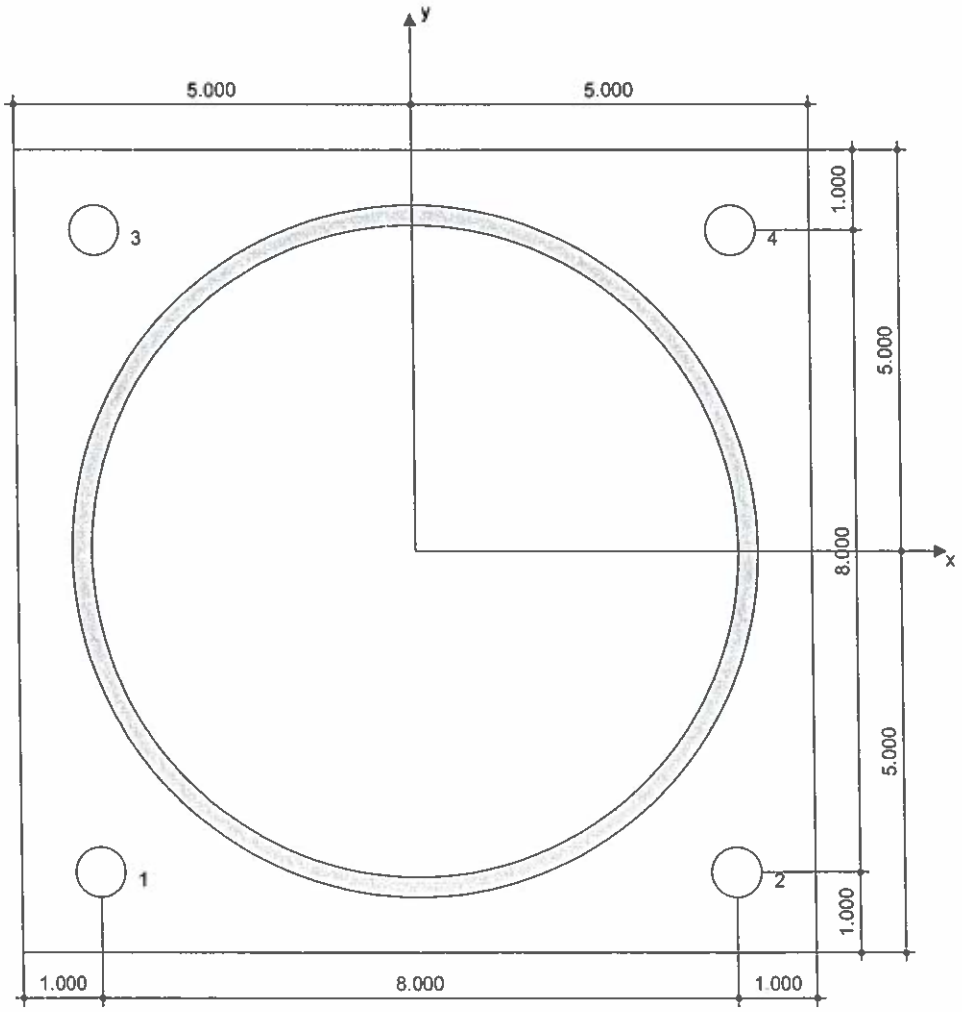
7 Installation data

Anchor plate, steel: -
Profile: Round HSS, Steel pipe (AISC); 8.625 x 8.625 x 0.250 in.
Hole diameter in the fixture: d_f = 0.625 in.
Plate thickness (input): 0.500 in.
Recommended plate thickness: not calculated
Drilling method: Hammer drilled
Cleaning: Manual cleaning of the drilled hole according to instructions for use is required.

Anchor type and diameter: KWIK HUS-EZ (KH-EZ) 1/2 (3)
Installation torque: 540.001 in.lb
Hole diameter in the base material: 0.500 in.
Hole depth in the base material: 3.375 in.
Minimum thickness of the base material: 4.750 in.

7.1 Recommended accessories

Drilling	Cleaning	Setting
• Suitable Rotary Hammer	• Manual blow-out pump	• Torque wrench
• Properly sized drill bit		



Coordinates Anchor in.

Anchor	x	y	c_{-x}	c_{+x}	c_{-y}	c_{+y}
1	-4.000	-4.000	6.000	14.000	6.000	14.000
2	4.000	-4.000	14.000	6.000	6.000	14.000
3	-4.000	4.000	6.000	14.000	14.000	6.000
4	4.000	4.000	14.000	6.000	14.000	6.000

Company:		Page:	7
Specifier:		Project:	
Address:		Sub-Project I Pos. No.:	
Phone I Fax:	|	Date:	5/1/2019
E-Mail:			

8 Remarks; Your Cooperation Duties

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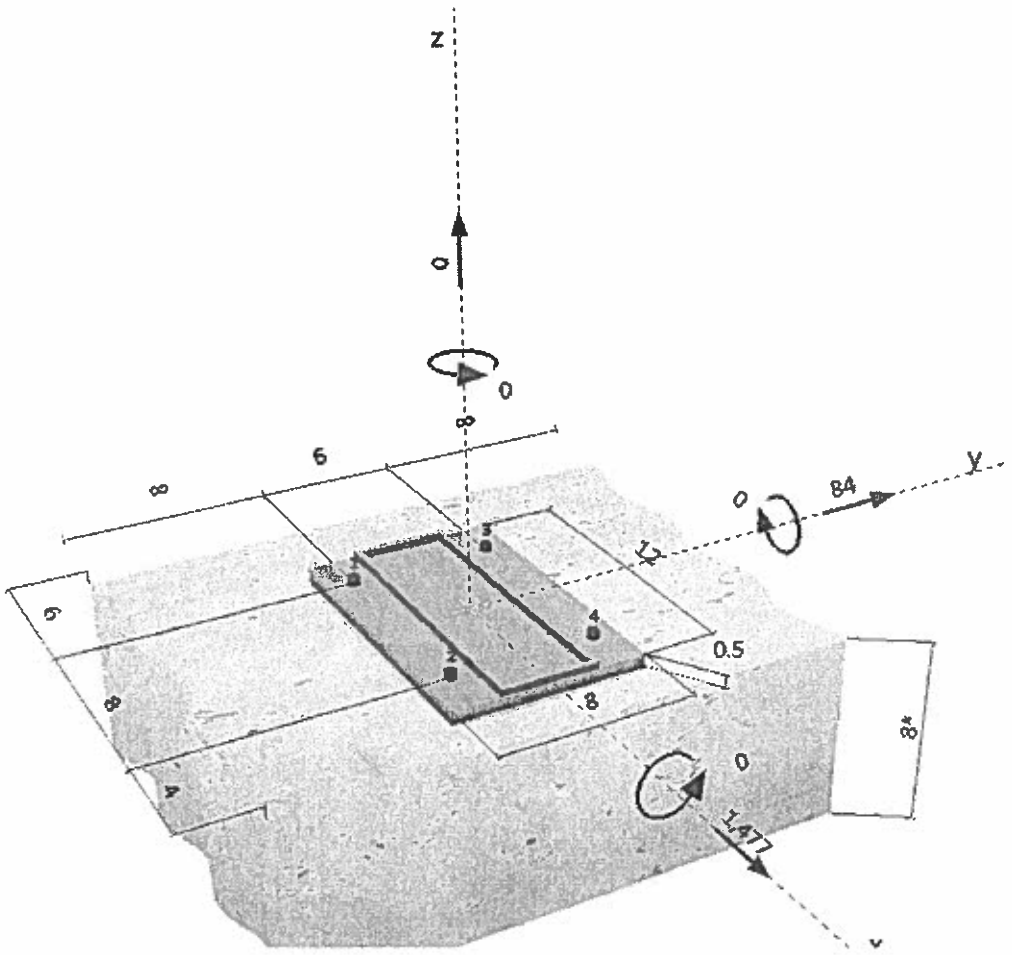
Company:
Specifier:
Address:
Phone I Fax: |
E-Mail:

BEAM CONNECTION

1 Input data

Anchor type and diameter:	KWIK HUS-EZ (KH-EZ) 1/2 (3)
Effective embedment depth:	h_{ef} = 2.160 in., h_{nom} = 3.000 in.
Material:	Carbon Steel
Evaluation Service Report:	ESR-3027
Issued I Valid:	2/1/2016 | 12/1/2017
Proof:	Design method ACI 318 / AC193
Stand-off installation:	e_b = 0.000 in. (no stand-off); t = 0.500 in.
Anchor plate:	l_x x l_y x t = 12.000 in. x 8.000 in. x 0.500 in.; (Recommended plate thickness: not calculated
Profile:	Rectangular HSS (AISC); (L x W x T) = 12.000 in. x 4.000 in. x 0.250 in.
Base material:	uncracked concrete, 3000, f_c' = 3000 psi; h = 8.000 in.
Reinforcement:	tension: condition B, shear: condition B; no supplemental splitting reinforcement present edge reinforcement: none or < No. 4 bar
Seismic loads (cat. C, D, E, or F)	no

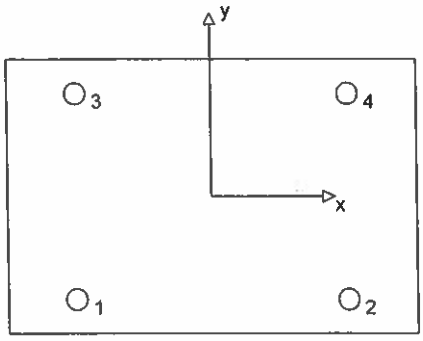
Geometry [in.] & Loading [lb, in.lb]



Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

2 Load case/Resulting anchor forces

Load case: Design loads



Anchor reactions [lb]
Tension force: (+Tension, -Compression)

Anchor	Tension force	Shear force	Shear force x	Shear force y
1	0	370	369	21
2	0	370	369	21
3	0	370	369	21
4	0	370	369	21

max. concrete compressive strain: - [‰]
max. concrete compressive stress: - [psi]
resulting tension force in (x/y)=(0.000/0.000): 0 [lb]
resulting compression force in (x/y)=(0.000/0.000): 0 [lb]

3 Tension load

	Load N_{ua} [lb]	Capacity ϕN_n [lb]	Utilization $\beta_N = N_{ua}/\phi N_n$	Status
Steel Strength*	N/A	N/A	N/A	N/A
Pullout Strength*	N/A	N/A	N/A	N/A
Concrete Breakout Strength**	N/A	N/A	N/A	N/A

* anchor having the highest loading **anchor group (anchors in tension)

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

4 Shear load

	Load V_{ua} [lb]	Capacity ϕV_n [lb]	Utilization $\beta_V = V_{ua}/\phi V_n$	Status
Steel Strength*	370	5547	7	OK
Steel failure (with lever arm)*	N/A	N/A	N/A	N/A
Pryout Strength**	1479	12658	12	OK
Concrete edge failure in direction x+**	1479	4272	35	OK

* anchor having the highest loading **anchor group (relevant anchors)

4.1 Steel Strength

V_{sa} = ESR value refer to ICC-ES ESR-3027
$\phi V_{steel} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

Variables

$A_{se,V}$ [in.^{2}]	f_{uta} [psi]
0.16	112540

Calculations

V_{sa} [lb]
9245

Results

V_{sa} [lb]	ϕ_{steel}	ϕV_{sa} [lb]	V_{ua} [lb]
9245	0.600	5547	370

4.2 Pryout Strength

$V_{cpg} = k_{cp}\left[\left(\frac{A_{Nc}}{A_{Nc0}}\right)\Psi_{ec,N}\Psi_{ed,N}\Psi_{c,N}\Psi_{cp,N}N_b\right]$ ACI 318-08 Eq. (D-31)

$\phi V_{cpg} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

A_{Nc} see ACI 318-08, Part D.5.2.1, Fig. RD.5.2.1(b)

$A_{Nc0} = 9 h_{ef}^2$ ACI 318-08 Eq. (D-6)

$\Psi_{ec,N} = \left(\frac{1}{1+\frac{2e_N}{3h_{ef}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-9)

$\Psi_{ed,N} = 0.7 + 0.3\left(\frac{c_{a,min}}{1.5h_{ef}}\right) \leq 1.0$ ACI 318-08 Eq. (D-11)

$\Psi_{cp,N} = MAX\left(\frac{c_{a,min}}{c_{ac}}, \frac{1.5h_{ef}}{c_{ac}}\right) \leq 1.0$ ACI 318-08 Eq. (D-13)

$N_b = k_c \lambda \sqrt{f'_c} h_{ef}^{1.5}$ ACI 318-08 Eq. (D-7)

Variables

k_{cp}	h_{ef} [in.]	$e_{c1,N}$ [in.]	$e_{c2,N}$ [in.]	$c_{a,min}$ [in.]
1	2.160	0.000	0.000	4.000

$\Psi_{c,N}$	c_{ac} [in.]	k_c	λ	f'_c [psi]
1.000	3.750	27	1	3000

Calculations

A_{Nc} [in.^{2}]	A_{Nc0} [in.^{2}]	$\Psi_{ec1,N}$	$\Psi_{ec2,N}$	$\Psi_{ed,N}$	$\Psi_{cp,N}$	N_b [lb]
161.74	41.99	1.000	1.000	1.000	1.000	4695

Results

V_{cpg} [lb]	$\phi_{concrete}$	ϕV_{cpg} [lb]	V_{ua} [lb]
18083	0.700	12658	1479

Company:
Specifier:
Address:
Phone I Fax: |
E-Mail:

4.3 Concrete edge failure in direction x+

$V_{cbg} = \left(\frac{A_{Vc}}{A_{Vc0}}\right) \Psi_{ec,V} \Psi_{ed,V} \Psi_{c,V} \Psi_{h,V} \Psi_{parallel,V} V_b$ ACI 318-08 Eq. (D-22)

$\phi V_{cbg} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

A_{Vc} see ACI 318-08, Part D.6.2.1, Fig. RD.6.2.1(b)

$A_{Vc0} = 4.5 c_{a1}^2$ ACI 318-08 Eq. (D-23)

$\Psi_{ec,V} = \left(\frac{1}{1 + \frac{2e_v}{3c_{a1}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-26)

$\Psi_{ed,V} = 0.7 + 0.3\left(\frac{c_{a2}}{1.5c_{a1}}\right) \leq 1.0$ ACI 318-08 Eq. (D-28)

$\Psi_{h,V} = \sqrt{\frac{1.5c_{a1}}{h_a}} \geq 1.0$ ACI 318-08 Eq. (D-29)

$V_b = \left(7\left(\frac{l_e}{d_a}\right)^{0.2} \sqrt{d_a}\right) \lambda \sqrt{f_c'} c_{a1}^{1.5}$ ACI 318-08 Eq. (D-24)

Variables

c_{a1} [in.]	c_{a2} [in.]	e_{cV} [in.]	$\Psi_{c,V}$	h_a [in.]
4.000	-	0.000	1.400	8.000

l_e [in.]	λ	d_a [in.]	f_c' [psi]	$\Psi_{parallel,V}$
2.160	1.000	0.500	3000	1.000

Calculations

A_{Vc} [in.^{2}]	A_{Vc0} [in.^{2}]	$\Psi_{ec,V}$	$\Psi_{ed,V}$	$\Psi_{h,V}$	V_b [lb]
108.00	72.00	1.000	1.000	1.000	2906

Results

V_{cbg} [lb]	$\phi_{concrete}$	ϕV_{cbg} [lb]	V_{ua} [lb]
6103	0.700	4272	1479

5 Warnings

- Load re-distributions on the anchors due to elastic deformations of the anchor plate are not considered. The anchor plate is assumed to be sufficiently stiff, in order not to be deformed when subjected to the loading! Input data and results must be checked for agreement with the existing conditions and for plausibility!
- Condition A applies when supplementary reinforcement is used. The Φ factor is increased for non-steel Design Strengths except Pullout Strength and Pryout strength. Condition B applies when supplementary reinforcement is not used and for Pullout Strength and Pryout Strength. Refer to your local standard.
- Refer to the manufacturer's product literature for cleaning and installation instructions.
- Checking the transfer of loads into the base material and the shear resistance are required in accordance with ACI 318 or the relevant standard!

Fastening meets the design criteria!

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

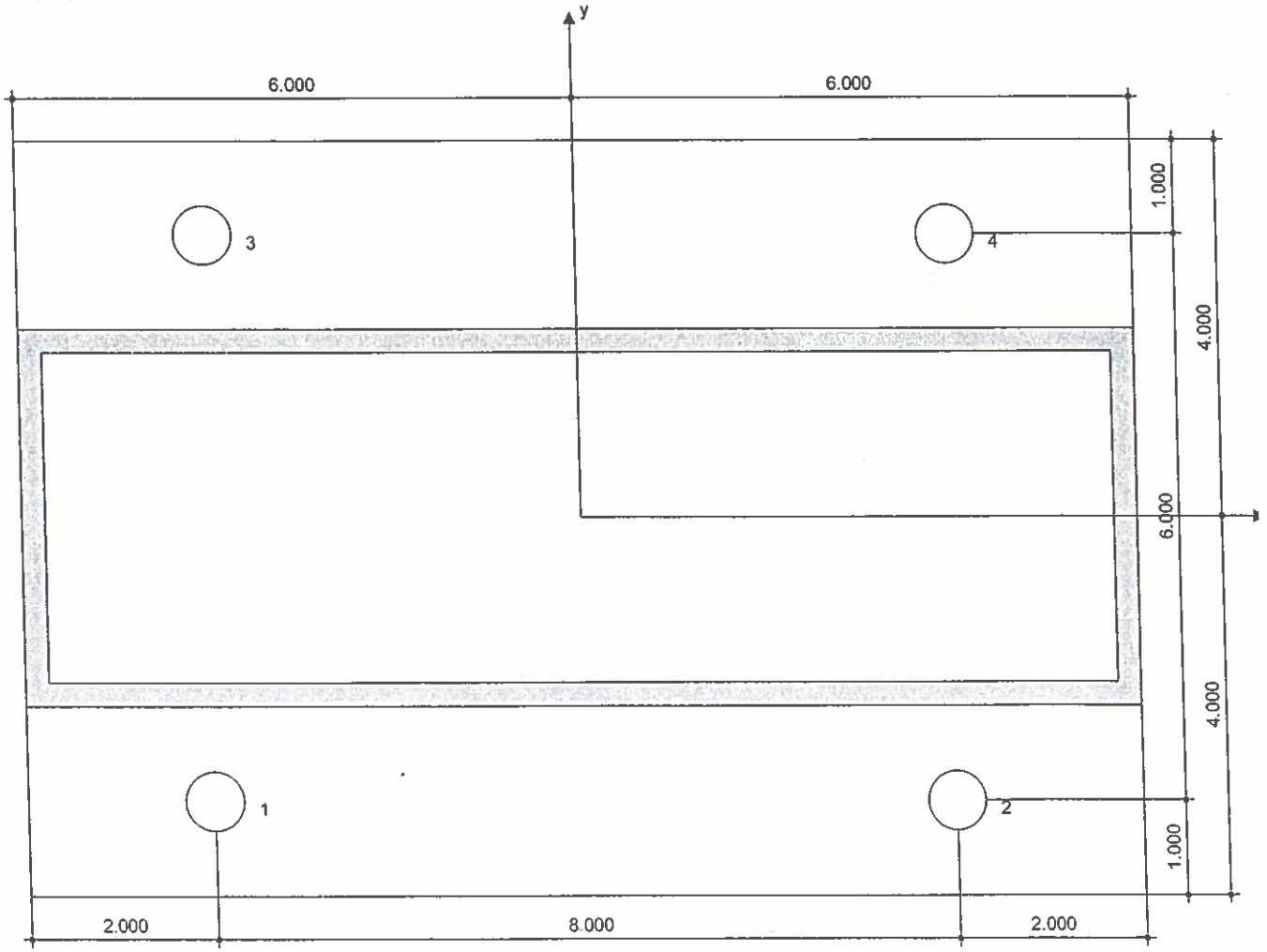
6 Installation data

Anchor plate, steel: -
Profile: Rectangular HSS (AISC); 12.000 x 4.000 x 0.250 in.
Hole diameter in the fixture: d_f = 0.625 in.
Plate thickness (input): 0.500 in.
Recommended plate thickness: not calculated
Drilling method: Hammer drilled
Cleaning: Manual cleaning of the drilled hole according to instructions for use is required.

Anchor type and diameter: KWIK HUS-EZ (KH-EZ) 1/2 (3)
Installation torque: 540.001 in.lb
Hole diameter in the base material: 0.500 in.
Hole depth in the base material: 3.375 in.
Minimum thickness of the base material: 4.750 in.

6.1 Recommended accessories

Drilling	Cleaning	Setting
• Suitable Rotary Hammer	• Manual blow-out pump	• Torque wrench
• Properly sized drill bit		



Coordinates Anchor in.

Anchor	x	y	c_{-x}	c_{+x}	c_{-y}	c_{+y}
1	-4.000	-3.000	6.000	12.000	-	-

7 Remarks; Your Cooperation Duties

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Project Name:19-0207 _ 399 Golden Beach Trellis **Date:5/1/2019**

Weld Design For Tube

MATERIALS:

Welding: Aluminum Filler Alloy 5356

Allowable Stress for Welding:
Fv= 7.00 Ksi

Weld and Section Data:

$F_v := 7.00$ Allowable Stress for Welding (ksi)

$b := 4.00$ Width of Tube Steel (in)

$d := 12.00$ Depth of Tube Steel (in)

Load Data:

$M_{weld} := 0.0$ Moment (Kips-ft)

$V_{weld} := 0.925$ Shear (Kips)

$P_{weld} := 0.00$ Tension or Compression (Kips)

$T_{weld} := 0.00$ Torsional Moment (kips-ft)

Check Weld Section :

$$t_e := \left| x \leftarrow 0.00001 \right.$$
$$\text{while } \sqrt{\left[\frac{P_{weld}}{2(b+d)\cdot x} + \frac{M_{weld}\cdot 12}{\left(b\cdot d + \frac{d^2}{3}\right)\cdot x}\right]^2 + \left[\frac{1.5V_{weld}}{2(b+d)\cdot x} + \frac{T_{weld}\cdot 12\cdot\sqrt{\left(\frac{b}{2}\right)^2+\left(\frac{d}{2}\right)^2}}{\frac{(b+d)^3}{6}\cdot x}\right]^2} \geq F_v$$
$$\left. x \leftarrow x + 0.01 \right.$$

$t_e = 0.01$ in

$$S_{weld} := \left(b\cdot d + \frac{d^2}{3}\right)\cdot t_e$$ $S_{weld} = 0.96$ in^3

$$A_{weld} := 2\cdot(d+b)\cdot t_e$$ $A_{weld} = 0.32$ in^2

$$I_{...} := \frac{(b+d)^3}{...}\cdot t$$ $I_{...} = 6.83$ in^3

Check Bending Stress :

$$f_b := \frac{M_{weld} \cdot (12)}{S_{weld}}$$

$f_b = 0.00$ ksi

Check Shear Stress :

$$f_v := \frac{1.5 V_{weld}}{A_{weld}} + \frac{T_{weld} \cdot 12 \cdot \sqrt{\left(\frac{b}{2}\right)^2 + \left(\frac{d}{2}\right)^2}}{J_{weld}}$$

$f_v = 4.33$ ksi

Check Tension Stress :

$$f_a := \frac{P_{weld}}{A_{weld}}$$

$f_a = 0.00$ Ksi

Check Combined Stress :

$$f_{weld} := \sqrt{(f_b + f_a)^2 + f_v^2}$$

$f_{weld} = 4.33$ ksi

$$STRESS := \begin{cases} \text{"N.G."} \\ \text{"OK"} \quad \text{if } F_v \geq f_{weld} \end{cases}$$

STRESS = "OK"

$$W_{weld} := \begin{cases} \text{"3/16"} \quad \text{if } \frac{t_e}{0.707} \leq 0.1875 \\ \text{" 1/4"} \quad \text{if } 0.1875 < \frac{t_e}{0.707} \leq 0.25 \\ \text{"3/8"} \quad \text{if } 0.25 < \frac{t_e}{0.707} \leq 0.375 \\ \text{"1/2"} \quad \text{if } 0.375 < \frac{t_e}{0.707} \leq 0.50 \\ \text{"5/8"} \quad \text{if } 0.50 < \frac{t_e}{0.707} \leq 0.625 \\ \text{"3/4"} \quad \text{if } 0.625 < \frac{t_e}{0.707} \leq 0.750 \\ \text{"1"} \quad \text{if } 0.75 < \frac{t_e}{0.707} \leq 1.00 \end{cases}$$

$W_{weld} = \text{"3/16"}$

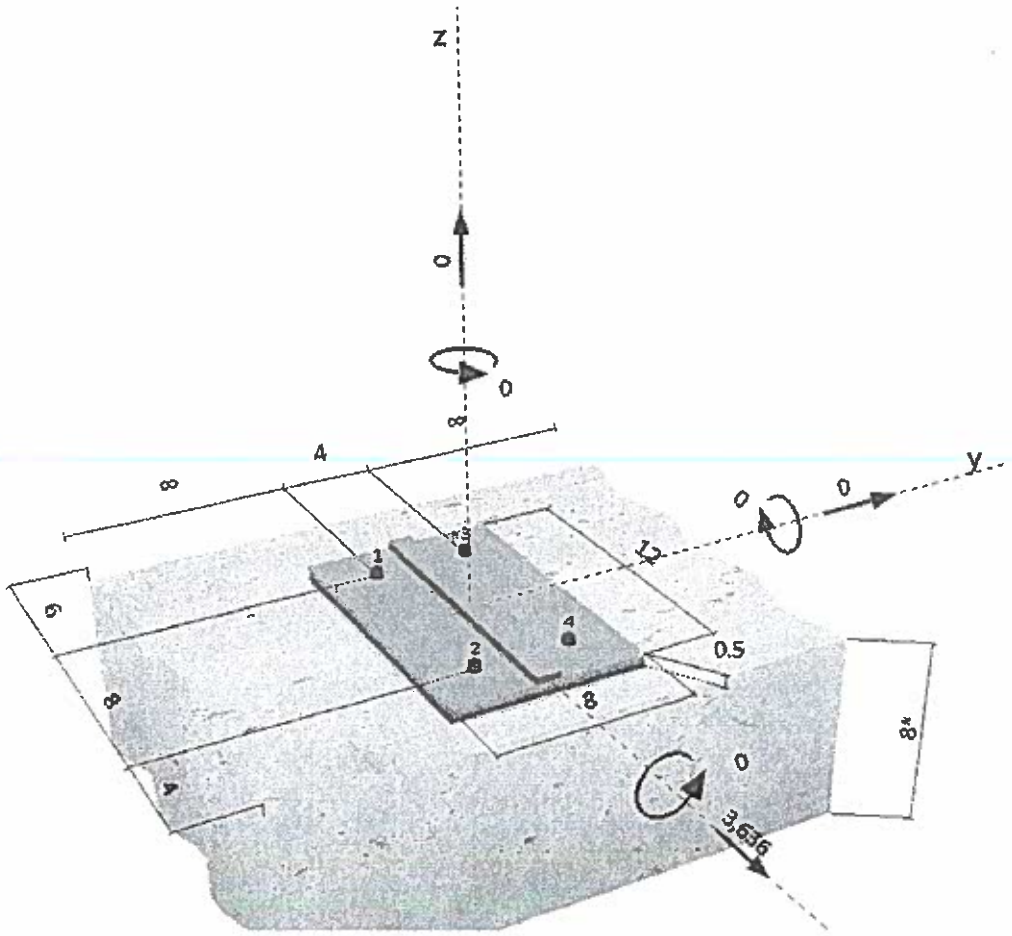
Company:
Specifier:
Address:
Phone I Fax: |
E-Mail:

PLATE CONNECTION

1 Input data

Anchor type and diameter:	KWIK HUS-EZ (KH-EZ) 1/2 (3)
Effective embedment depth:	h_{ef} = 2.160 in., h_{nom} = 3.000 in.
Material:	Carbon Steel
Evaluation Service Report:	ESR-3027
Issued I Valid:	2/1/2016 | 12/1/2017
Proof:	Design method ACI 318 / AC193
Stand-off installation:	e_b = 0.000 in. (no stand-off); t = 0.500 in.
Anchor plate:	l_x x l_y x t = 12.000 in. x 8.000 in. x 0.500 in.; (Recommended plate thickness: not calculated
Profile:	Rectangular plates and bars (AISC); (L x W x T) = 12.000 in. x 1.000 in. x 0.000 in.
Base material:	uncracked concrete, 3000, f_c' = 3000 psi; h = 8.000 in.
Reinforcement:	tension: condition B, shear: condition B; no supplemental splitting reinforcement present edge reinforcement: none or < No. 4 bar
Seismic loads (cat. C, D, E, or F)	no

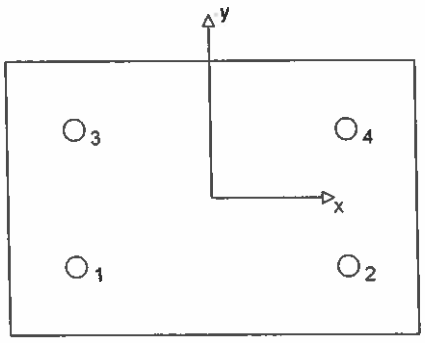
Geometry [in.] & Loading [lb, in.lb]



Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

2 Load case/Resulting anchor forces

Load case: Design loads



Anchor reactions [lb]
Tension force: (+Tension, -Compression)

Anchor	Tension force	Shear force	Shear force x	Shear force y
1	0	909	909	0
2	0	909	909	0
3	0	909	909	0
4	0	909	909	0

max. concrete compressive strain: - [‰]
max. concrete compressive stress: - [psi]
resulting tension force in (x/y)=(0.000/0.000): 0 [lb]
resulting compression force in (x/y)=(0.000/0.000): 0 [lb]

3 Tension load

	Load N_{ua} [lb]	Capacity ϕN_n [lb]	Utilization $\beta_N = N_{ua}/\phi N_n$	Status
Steel Strength*	N/A	N/A	N/A	N/A
Pullout Strength*	N/A	N/A	N/A	N/A
Concrete Breakout Strength**	N/A	N/A	N/A	N/A

* anchor having the highest loading **anchor group (anchors in tension)

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

4 Shear load

	Load V_{ua} [lb]	Capacity ϕV_n [lb]	Utilization $\beta_V = V_{ua}/\phi V_n$	Status
Steel Strength*	909	5547	17	OK
Steel failure (with lever arm)*	N/A	N/A	N/A	N/A
Pryout Strength**	3636	10630	35	OK
Concrete edge failure in direction x+**	3636	3797	96	OK

* anchor having the highest loading **anchor group (relevant anchors)

4.1 Steel Strength

V_{sa} = ESR value refer to ICC-ES ESR-3027
$\phi V_{steel} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

Variables

$A_{se,V}$ [in.^{2}]	f_{uta} [psi]
0.16	112540

Calculations

V_{sa} [lb]
9245

Results

V_{sa} [lb]	ϕ_{steel}	ϕV_{sa} [lb]	V_{ua} [lb]
9245	0.600	5547	909

4.2 Pryout Strength

$V_{cpg} = k_{cp}\left[\left(\frac{A_{Nc}}{A_{Nc0}}\right)\psi_{ec,N}\psi_{ed,N}\psi_{c,N}\psi_{cp,N}N_b\right]$ ACI 318-08 Eq. (D-31)

$\phi V_{cpg} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

A_{Nc} see ACI 318-08, Part D.5.2.1, Fig. RD.5.2.1(b)

$A_{Nc0} = 9 h_{ef}^2$ ACI 318-08 Eq. (D-6)

$\psi_{ec,N} = \left(\frac{1}{1+\frac{2e_N}{3h_{ef}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-9)

$\psi_{ed,N} = 0.7 + 0.3\left(\frac{c_{a,min}}{1.5h_{ef}}\right) \leq 1.0$ ACI 318-08 Eq. (D-11)

$\psi_{cp,N} = MAX\left(\frac{c_{a,min}}{c_{ac}}, \frac{1.5h_{ef}}{c_{ac}}\right) \leq 1.0$ ACI 318-08 Eq. (D-13)

$N_b = k_c \lambda \sqrt{f'_c}\, h_{ef}^{1.5}$ ACI 318-08 Eq. (D-7)

Variables

k_{cp}	h_{ef} [in.]	$e_{c1,N}$ [in.]	$e_{c2,N}$ [in.]	$c_{a,min}$ [in.]
1	2.160	0.000	0.000	4.000

$\psi_{c,N}$	c_{ac} [in.]	k_c	λ	f'_c [psi]
1.000	3.750	27	1	3000

Calculations

A_{Nc} [in.^{2}]	A_{Nc0} [in.^{2}]	$\psi_{ec1,N}$	$\psi_{ec2,N}$	$\psi_{ed,N}$	$\psi_{cp,N}$	N_b [lb]
135.82	41.99	1.000	1.000	1.000	1.000	4695

Results

V_{cpg} [lb]	$\phi_{concrete}$	ϕV_{cpg} [lb]	V_{ua} [lb]
15185	0.700	10630	3636

Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

4.3 Concrete edge failure in direction x+

$V_{cbg} = \left(\frac{A_{Vc}}{A_{Vc0}}\right) \Psi_{ec,V} \Psi_{ed,V} \Psi_{c,V} \Psi_{h,V} \Psi_{parallel,V} V_b$ ACI 318-08 Eq. (D-22)

$\phi V_{cbg} \geq V_{ua}$ ACI 318-08 Eq. (D-2)

A_{Vc} see ACI 318-08, Part D 6.2.1, Fig. RD.6.2.1(b)

$A_{Vc0} = 4.5 c_{a1}^2$ ACI 318-08 Eq. (D-23)

$\Psi_{ec,V} = \left(\frac{1}{1 + \frac{2e_v}{3c_{a1}}}\right) \leq 1.0$ ACI 318-08 Eq. (D-26)

$\Psi_{ed,V} = 0.7 + 0.3\left(\frac{c_{a2}}{1.5c_{a1}}\right) \leq 1.0$ ACI 318-08 Eq. (D-28)

$\Psi_{h,V} = \sqrt{\frac{1.5c_{a1}}{h_a}} \geq 1.0$ ACI 318-08 Eq. (D-29)

$V_b = \left(7\left(\frac{l_e}{d_a}\right)^{0.2}\sqrt{d_a}\right)\lambda \sqrt{f'_c}\, c_{a1}^{1.5}$ ACI 318-08 Eq. (D-24)

Variables

c_{a1} [in.]	c_{a2} [in.]	e_{cV} [in.]	$\Psi_{c,V}$	h_a [in.]
4.000	-	0.000	1.400	8.000

l_e [in.]	λ	d_a [in.]	f'_c [psi]	$\Psi_{parallel,V}$
2.160	1.000	0.500	3000	1.000

Calculations

A_{Vc} [in.^{2}]	A_{Vc0} [in.^{2}]	$\Psi_{ec,V}$	$\Psi_{ed,V}$	$\Psi_{h,V}$	V_b [lb]
96.00	72.00	1.000	1.000	1.000	2906

Results

V_{cbg} [lb]	$\phi_{concrete}$	ϕV_{cbg} [lb]	V_{ua} [lb]
5425	0.700	3797	3636

5 Warnings

- Load re-distributions on the anchors due to elastic deformations of the anchor plate are not considered. The anchor plate is assumed to be sufficiently stiff, in order not to be deformed when subjected to the loading! Input data and results must be checked for agreement with the existing conditions and for plausibility!
- Condition A applies when supplementary reinforcement is used. The Φ factor is increased for non-steel Design Strengths except Pullout Strength and Pryout strength. Condition B applies when supplementary reinforcement is not used and for Pullout Strength and Pryout Strength. Refer to your local standard.
- Refer to the manufacturer's product literature for cleaning and installation instructions.
- Checking the transfer of loads into the base material and the shear resistance are required in accordance with ACI 318 or the relevant standard!

Fastening meets the design criteria!

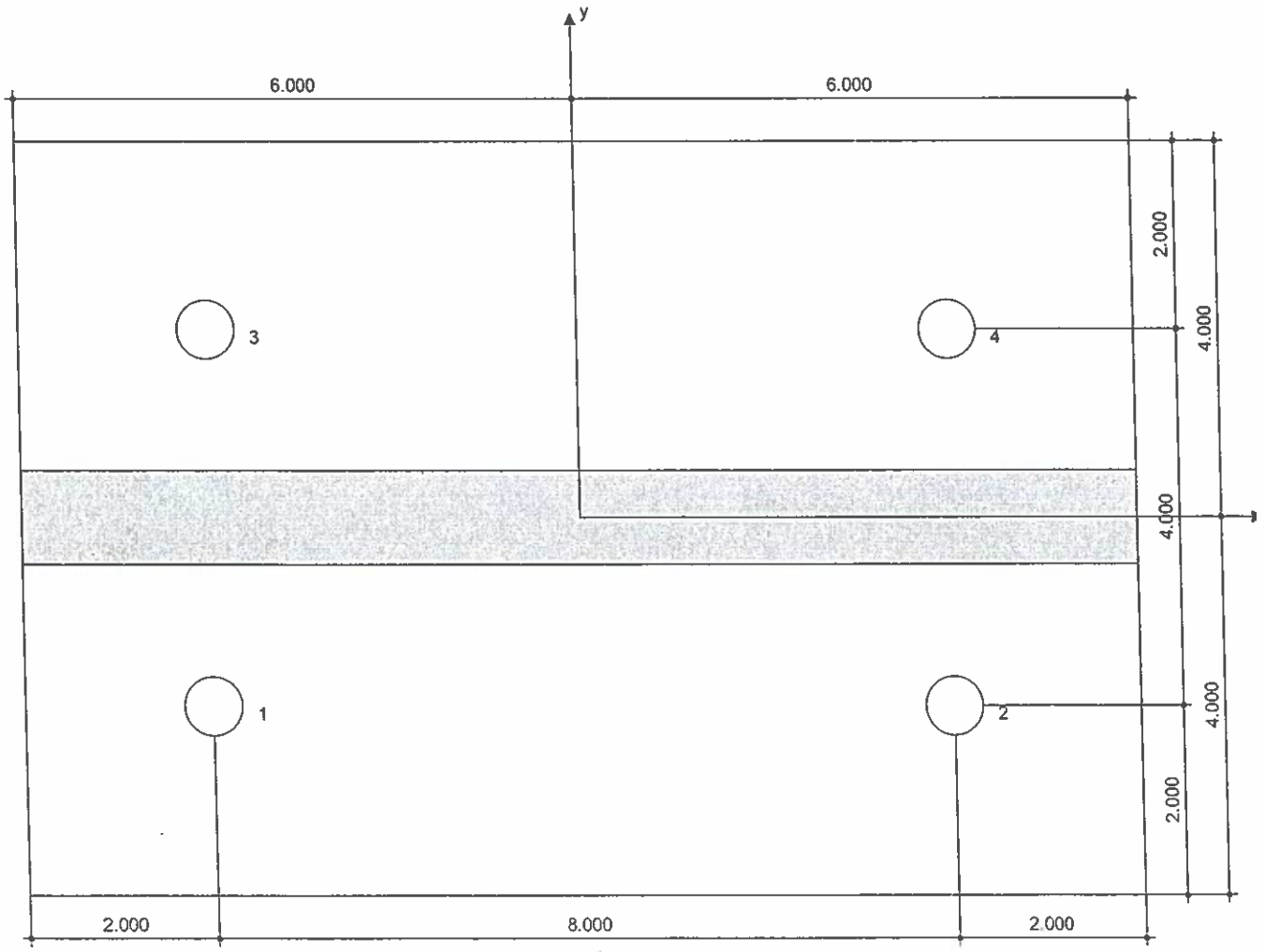
Company:
Specifier:
Address:
Phone I Fax:
E-Mail:

6 Installation data

Anchor plate, steel: -
Profile: Rectangular plates and bars (AISC); 12.000 x 1.000 x 0.000 in.
Hole diameter in the fixture: d_f = 0.625 in.
Plate thickness (input): 0.500 in.
Recommended plate thickness: not calculated
Drilling method: Hammer drilled
Anchor type and diameter: KWIK HUS-EZ (KH-EZ) 1/2 (3)
Installation torque: 540.001 in.lb
Hole diameter in the base material: 0.500 in.
Hole depth in the base material: 3.375 in.
Minimum thickness of the base material: 4.750 in.
Cleaning: Manual cleaning of the drilled hole according to instructions for use is required.

6.1 Recommended accessories

Drilling	Cleaning	Setting
• Suitable Rotary Hammer	• Manual blow-out pump	• Torque wrench
• Properly sized drill bit		



Coordinates Anchor in.

Anchor	x	y	c_{-x}	c_{+x}	c_{-y}	c_{+y}
1	-4.000	-2.000	6.000	12.000	-	-

7 Remarks; Your Cooperation Duties

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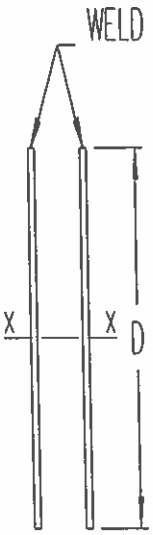
- You must take all necessary and reasonable steps to prevent or limit damage caused by the Software. In particular, you must arrange for the regular backup of programs and data and, if applicable, carry out the updates of the Software offered by Hilti on a regular basis. If you do not use the AutoUpdate function of the Software, you must ensure that you are using the current and thus up-to-date version of the Software in each case by carrying out manual updates via the Hilti Website. Hilti will not be liable for consequences, such as the recovery of lost or damaged data or programs, arising from a culpable breach of duty by you.

Project Name:19-0207 _ 399 Golden Beach Trellis **Date:5/1/2019**

Weld Design For Aluminum Plate



Weld and Section Data:

$F_v := 7.00$ Ultimate Tensile Strength (ksi)

$d := 12.0$ Depth of Steel Plate (in)

Load Data:

$M_{weld} := 0.0$ Moment (Kips-ft)

$V_{weld} := 2.272$ Shear (Kips)

$P_{weld} := 0.00$ Tension or Compression (Kips)

Check Weld Section :

$F_v := F_v$ $F_v = 7.00$ ksi

$t_e :=$ $x \leftarrow 0.00001$

while $\sqrt{\left[\frac{P_{weld}}{2(d)\cdot x} + \frac{M_{weld}\cdot 12}{\left(\frac{d^2}{3}\right)\cdot x}\right]^2 + \left(\frac{V_{weld}}{2d\cdot x}\right)^2} \geq F_v$

$x \leftarrow x + 0.03125$

$t_e = 0.03$ in

$S_{weld} := \left(\frac{d^2}{3}\right)\cdot t_e$ $S_{weld} = 1.50$ in^3

Check Bending Stress :

$$f_b := \frac{M_{weld} \cdot (12)}{S_{weld}}$$

$f_b = 0.00$ ksi

Check Shear Stress :

$$f_v := \frac{2V_{weld}}{A_{weld}} + \frac{T_{weld} \cdot 12 \cdot r}{J_{weld}}$$

$f_v = 4.43$ ksi

Check Axial Stress :

$$f_a := \frac{P_{weld}}{A_{weld}}$$

$f_a = 0.00$ Ksi

Check Combined Stress :

$$f_{weld} := \sqrt{(f_b + f_a)^2 + f_v^2}$$

$f_{weld} = 4.43$ ksi

$$STRESS := \begin{cases} \text{"N.G."} \\ \text{"OK"} \quad \text{if } F_v \geq f_{weld} \end{cases}$$

STRESS = "OK"

$$W_{weld} := \begin{cases} \text{"3/16"} \quad \text{if } \frac{t_e}{0.707} \leq 0.1875 \\ \text{" 1/4"} \quad \text{if } 0.1875 < \frac{t_e}{0.707} \leq 0.25 \\ \text{"3/8"} \quad \text{if } 0.25 < \frac{t_e}{0.707} \leq 0.375 \\ \text{"1/2"} \quad \text{if } 0.375 < \frac{t_e}{0.707} \leq 0.50 \\ \text{"5/8"} \quad \text{if } 0.50 < \frac{t_e}{0.707} \leq 0.625 \\ \text{"3/4"} \quad \text{if } 0.625 < \frac{t_e}{0.707} \leq 0.750 \\ \text{"1"} \quad \text{if } 0.75 < \frac{t_e}{0.707} \leq 1.00 \end{cases}$$

$W_{weld} = \text{"3/16"}$

Town of Golden Beach
Building Regulatory Advisory Board
Hearing Date

JUL 09 2019

APPROVED_____
DISAPPROVED_____
VARIANCE REQ:_____

399 GOLDEN BEACH TRELLIS

399 GOLDEN BEACH DR GOLDEN
BEACH, FL 33160-2225

TRELLIS

INDEX OF DRAWINGS

SHEET	DESCRIPTION
SD-0.0	COVER PAGE.
SD-0.1	GENERAL NOTES.
SD-0.2	GENERAL NOTES.
SD-1.0	KEY PLAN
SD-2.0	ALUMINUM TRELLIS PLAN VIEW AND SECTION.
SD-2.1	DETAILS
SD-2.2	DETAILS AND CONNECTION

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NO.	DESCRIPTION	DATE	APP'D

DATE : 5/14/19
PM : GONZALO A. PAZ, P.E.
DRAWN BY : M.M.R
DESIGNED BY : M.M.R
CHECKED BY : G.P.
JOB NO. : 19-0207
SCALE : AS SHOWN

399 GOLDEN BEACH TRELLIS

COVER PAGE

TYPE OF PROJECT: TRELLIS
PROJECT LOCATION: 399 GOLDEN BEACH DR GOLDEN BEACH, FL 33160-2225
CLIENT: JOSES ORNAMENTAL WELDING

GONZALO A. PAZ
LICENSED
No 60734
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/14/2019

SHEET
SD-0.0

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO FLORIDA BUILDING CODE 2017.
2. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDER– GROUND FACILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
   ALL EXCAVATIONS SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL DAMAGES.
4. THIS WORK REQUIRES A BUILDING PERMIT. DO NOT BEGIN WORKING UNTIL A BUILDING PERMIT IS OBTAINED.
5. CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
6. DO NOT SCALE DRAWINGS, DIMENSIONS GOVERN.
7. ENGINEER'S VISITS TO THE SITE, AS PER G.C OR OWNER'S REQUEST DURING CONSTRUCTION SHALL BE SCHEDULED WITHIN 24 HOURS PRIOR TO INSPECTION.
8. THE CONTRACTOR SHALL MAKE REQUIRED ARRANGEMENTS, SECURE AND PAY FOR ALL BARRICADES, ENCLOSURES, AND FENCING AS NEEDED FOR AND DURING THE PROGRESS TO PROTECT ADJACENT PROPERTIES.
9. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ADDITIONAL SERVICES OR WORK WITHOUT PRIOR NOTIFICATION TO THE OWNER.
10. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS CONSTRUCTION, AND FOR THE SEQUENCES AND PROCEDURES TO BE USED.
11. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN PLANS, SECTIONS AND DETAILS OR THE APPLICABLE CODES OR REGULATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER DURING BIDDING OR BEFORE WORK BEGINS IN ORDER TO CLARIFY THE REQUIREMENTS AND TO EFFECT THE NECESSARY MODIFICATIONS, CHANGES AND /OR INSTRUCTIONS.
13. CONTRACTOR TO VERIFY THE LOCATION OF ANY EXISTING UTILITY LINE AND IMPROVEMENTS, AND SHALL BE RESPONSIBLE FOR REPAIRS FOR ANY DAMAGE AS A RESULT OF THE WORK.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ALL DISTURBED EXISTING CONDITIONS AND PROPER DISPOSAL OF ANY EXTRA MATERIALS & GARBAGE FROM THE SITE AFTER COMPLETION OF WORK.
15. DRAWINGS AND DIMENSIONS ARE BASED UPON DRAWINGS SUPPLIED BY THE CLIENT. EASTERN ENGINEERING GROUP WILL NOT BE RESPONSIBLE FOR ERRORS OR MISINTERPRETATIONS OF THE SYSTEM DESIGNED BY US BASED ON CLIENT CONFIRMED DESIGN AND DIMENSIONS. ADDITIONAL DRAFTING TIME EMPLOYED IN THE CHANGE OF THE DESIGN AFTER SIGNING AND SEALING OF DRAWINGS WILL RESULT IN ADDITIONAL COST.
16. DO NOT SUBSTITUTE MATERIALS, EQUIPMENTS OR METHODS OF CONSTRUCTION UNLESS SUCH SUBSTITUTIONS OR CHANGES HAVE BEEN APPROVED IN WRITING BY THE OWNER.
17. EASTERN ENGINEERING GROUP HAS GENERATED THESE SHOP DRAWINGS BASED ON A PROVIDED DESIGN THAT HAS BEEN DEVELOPED BY A LICENSED ARCHITECT OR A COMPETENT LICENSED DESIGN PROFESSIONAL WHO CONFIRMED COMPLIANCE WITH ALL APPLICABLE NATIONAL AND FLORIDA BUILDING CODES.
18. EASTERN ENGINEERING GROUP SHALL NOT BE LEGALLY RESPONSIBLE FOR THE STRUCTURAL DESIGN OF ANY COMPONENT AND/OR PRODUCT USED IN OUR PROJECTS WHICH HAS BEEN PREVIOUSLY GRANTED A PATENT OR COPYRIGHT. THE CONFIRMATION OF INTELLECTUAL PROPERTY OWNERSHIP IS BEYOND OUR SCOPE AS STRUCTURAL ENGINEERS AND SHALL BE THE SOLE RESPONSIBILITY OF OUR CLIENT.
19. EASTERN ENGINEERING GROUP HAS EXCLUSIVELY DESIGNED THE STRUCTURE AND/OR BUILDING COMPONENTS IN COMPLIANCE WITH THE APPLICABLE EDITION OF THE FLORIDA BUILDING CODE AND DESIGN STANDARDS FOR STRUCTURAL REQUIREMENTS ONLY. THE EXISTING STRUCTURE MUST SUPPORT THE LOADS IMPOSED BY THE SYSTEM OR SYSTEMS. ENGINEER ON RECORD OF THE BUILDING OR CERTIFIED PROFESSIONAL ENGINEER SHALL VERIFY THE STRUCTURE FOR SUCH LOADINGS.
20. ELEMENTS WILL BE AS DESIGNED BY EASTERN ENGINEERING GROUP AND AS APPROVED BY ARCHITECT AND/OR OWNERS, TO CONFORM GENERALLY WITH THE ARCHITECTURAL DRAWING AND SPECIFICATIONS.
21. FLORIDA BUILDING CODE, 2017 EDITION LOADS:

ALUMINUM TRELLIS:
DL=20 PSF
LL=20 PSF
WIND UP=77.06 PSF

WIND LOAD AS PER ASCE 7–10

KD=0.85, CATEGORY 2

WIND VELOCITY AS PER ASCE 7–10

	MIAMI–DADE
CATEGORY 2	---------- 175 mph

22. THE EXISTING STRUCTURE MUST SUPPORT THE LOADS IMPOSED BY THE SYSTEM OR SYSTEMS. ENGINEER ON RECORD OF THE BUILDING OR FLORIDA PROFESSIONAL ENGINEER SHALL VERIFY THE STRUCTURE FOR SUCH LOADINGS. THIS SHOP DRAWINGS DOES NOT COVER THE EXISTING STRUCTURE.
23. THE QUANTITIES AND DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON THE ARCHITECTURAL DRAWINGS.
24. ALL DIMENSIONS TO BE SITE VERIFIED.

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NO.	DESCRIPTION	DATE	APP'D

DATE : 9/14/18
PM : GONZALO A. PAZ, P.E.
DRAWN BY : M.M.R
DESIGNED BY : M.M.R
CHECKED BY : G.P.
JOB NO. : 19-0207
SCALE : AS SHOWN

399 GOLDEN BEACH TRELLIS

GENERAL NOTES
TYPE OF PROJECT: TRELLIS
PROJECT LOCATION: 399 GOLDEN BEACH DR GOLDEN BEACH, FL. 33160-2225
CLIENT: JOSES CINAMISTAL WELDING

GONZALO A. PAZ
LICENSE
No 60734
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SD-0.1

GLASS

1. ALL GLASS IN THIS PROJECT WILL BE SAFETY GLASS ACCORDING TO FBC 2017–SECTION 2407.1

2. LAMINATED GLASS 3/4" NOMINAL. COMPOSED OF (2) 3/8" FULLY TEMPERED GLASS WITH 1/16 SENTRY GLASS PLUS INTERLAYER FILM.

3. FULLY TEMPERED GLASS AND LAMINATED GLASS SHALL COMPLY WITH CATEGORY II OF CPSC 16 CFR 1201 OR CLASS A OF ANSI Z97.1, LISTED IN CHAPTER 35.ANSI Z97.1.

ALUMINUM

1. ALUMINUM SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

TYPE	Fb	Fb(WELDED)	Fv	Fv(WELDED)
6061–T6(TUBES & SHAPES)	19.0 KSI	9.0 KSI	12.0 KSI	5.0 KSI
6061–T6(ROUND & OVAL)	24.0 KSI	10.5 KSI	12.0 KSI	5.0 KSI

2. WELDING: ALUMINUM ALLOY 5356. CLEANING: SSPC–SP2 "HAND TOOL CLEANING".

3. PAINT ALUMINUM AND STEEL HOT GALVANIZED SURFACES IN CONTACT WITH CONCRETE WITH ALKALI–RESISTANT COATINGS, SUCH AS HEAVY–BODIED BITUMINOUS PAINT OR WATER–WHITE METHACRYLATE LACQUER.

4. ISOLATE DISSIMILAR MATERIALS WITH ALKALI–RESISTANT COATINGS, SUCH AS HEAVY–BODIED BITUMINOUS PAINT OR WATER–WHITE METHACRYLATE LACQUER.

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NO.	DESCRIPTION	DATE	APP'D

DATE : 5/14/19
PM : GONZALO A. PAZ, P.E.
DRAWN BY : M.M.R
DESIGNED BY : M.M.R
CHECKED BY : G.P.
JOB NO. 119–0207
SCALE : AS SHOWN

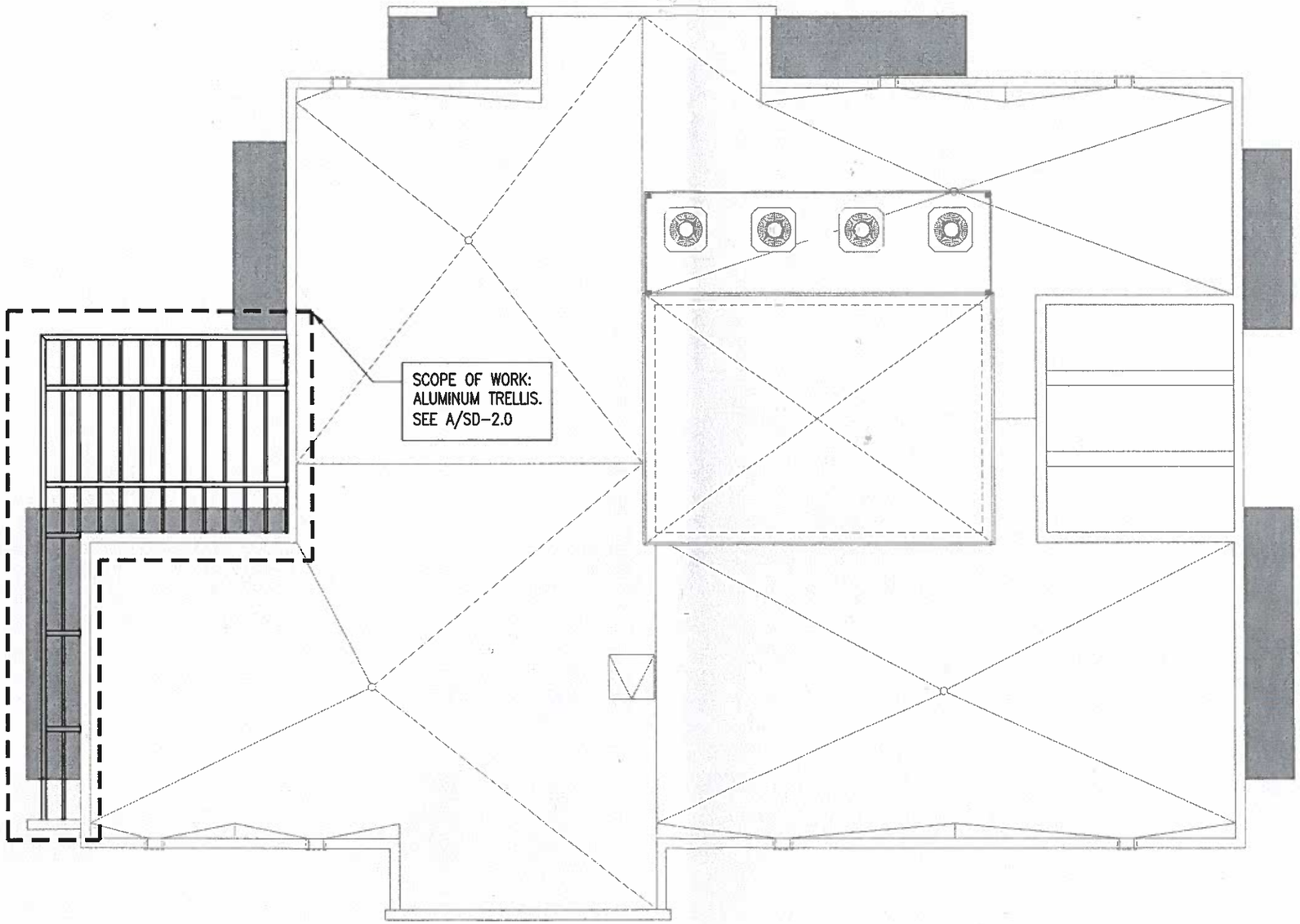
399 GOLDEN BEACH TRELLIS

GENERAL NOTES

TYPE OF PROJECT: TRELLIS
PROJECT LOCATION: 399 GOLDEN BEACH DR GOLDEN BEACH, FL. 33160–2225
CLIENT: JOSES ORNAMENTAL WELDING

GONZALO A. PAZ
LICENSED
No 6
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SD-0.2



A / SD-1.0 **ROOF KEY PLAN.**

SCALE: 1/8"=1'-0"

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DESIGNED BY : M.M.R
CHECKED BY : G.P.
JOB NO. : 19-0207
SCALE : AS SHOWN

399 GOLDEN BEACH TRELLIS

KEY PLAN

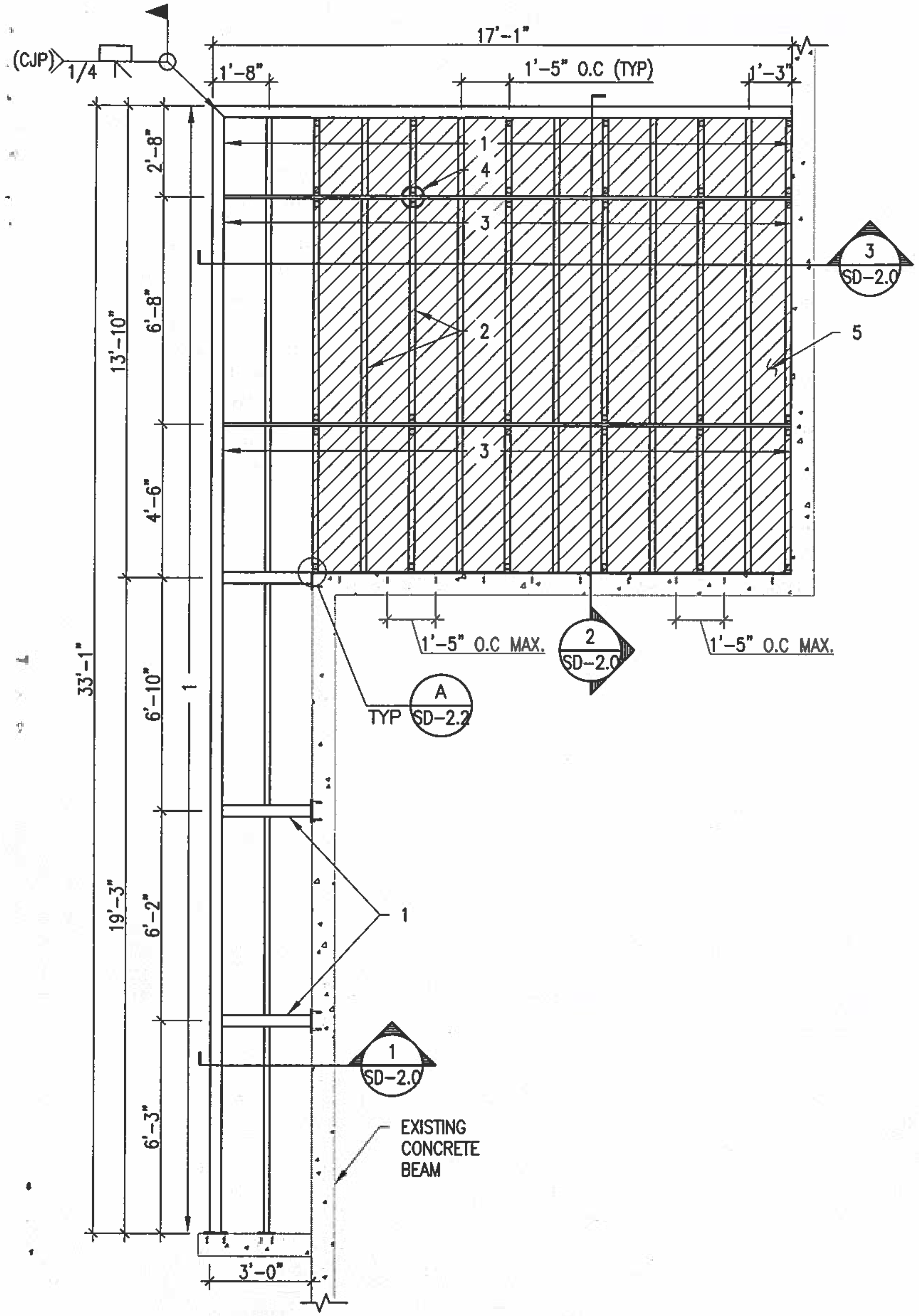
TYPE OF PROJECT: TRELLIS

PROJECT LOCATION: 399 GOLDEN BEACH DR, GOLDEN BEACH, FL. 33160-2225

CLIENT: JOSES ORNAMENTAL WELDING

GONZALO A. PAZ
LICENSE
No 60733
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/22/2019

SD-1.0



A ALUMINUM TRELLIS PLAN VIEW

SD-2.0

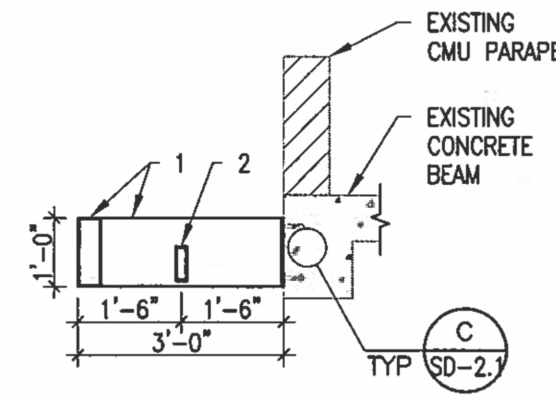
SCALE: 1/4"=1'-0"

LEGEND:

1. 12"X4"X¼" THK. ALUMINUM TUBE, ALLOY 6061-T6
2. 6"X2"X¼" THK. ALUMINUM TUBE, ALLOY 6061-T6
3. 1" THK. ALUMINUM PLATE, ALLOY 6061-T6
4. ø8"X¼" THK. ALUMINUM ROUND COLUMN (22' HEIGHT MAX.) , ALLOY 6061-T6
5. ¾" THK. LAMINATED TEMPERED GLASS, SEE GENERAL NOTES FOR GLASS SPECS.
6. ø2" STANDOFF PAIR @ 2'-10" O.C MAX, MIN (4) PER GLASS PANEL
7. 6"X⅜" THK. ALUMINUM CONTINUOUS PLATE, ALLOY 6061-T6
8. ø½" WEDGE BOLT BY POWER FASTENER OR EQUAL W/ 3" MIN. EMBED, 6" MIN EDGE DIST. & 4" MIN SPACING.
9. 8"X12"X⅜" THK. ALUMINUM PLATE, ALLOY 6061-T6
10. 10"X10"X½" THK. ALUMINUM PLATE, ALLOY 6061-T6
11. ø½" S.S WEDGE BOLT BY HILTI OR EQUAL APPROVED W/ 3" MIN. EMBEDMENT INTO CONC., W/ 8" MIN. SPACING, W/ 12" MIN. EDGE DISTANCE.

NOTE:

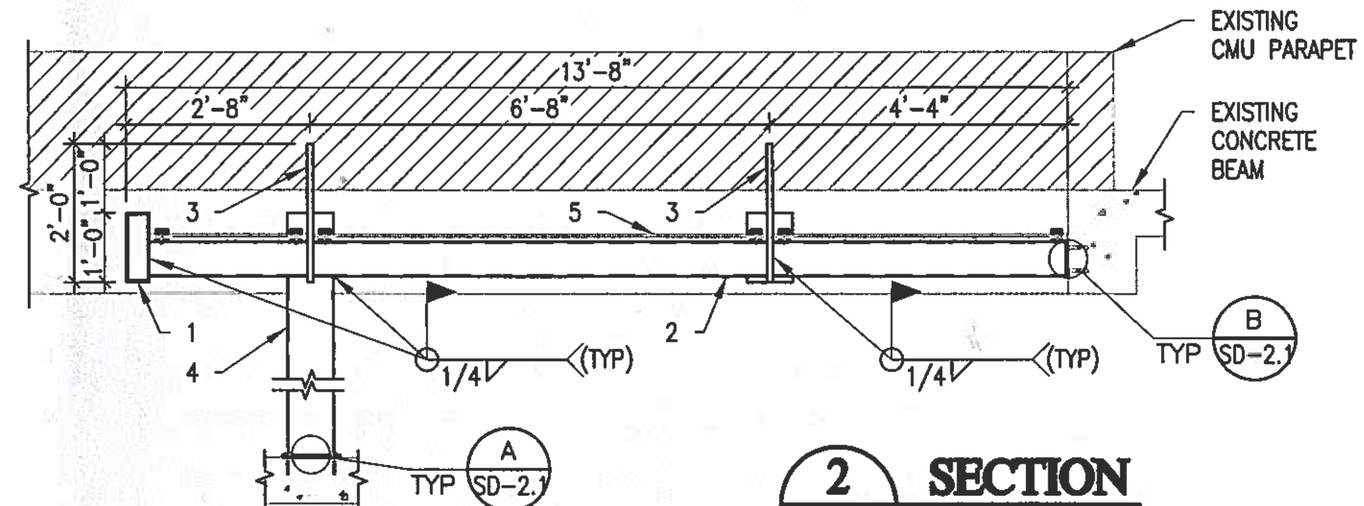
DIMENSION MUST BE VERIFY ON FIELD



1 SECTION

SD-2.0

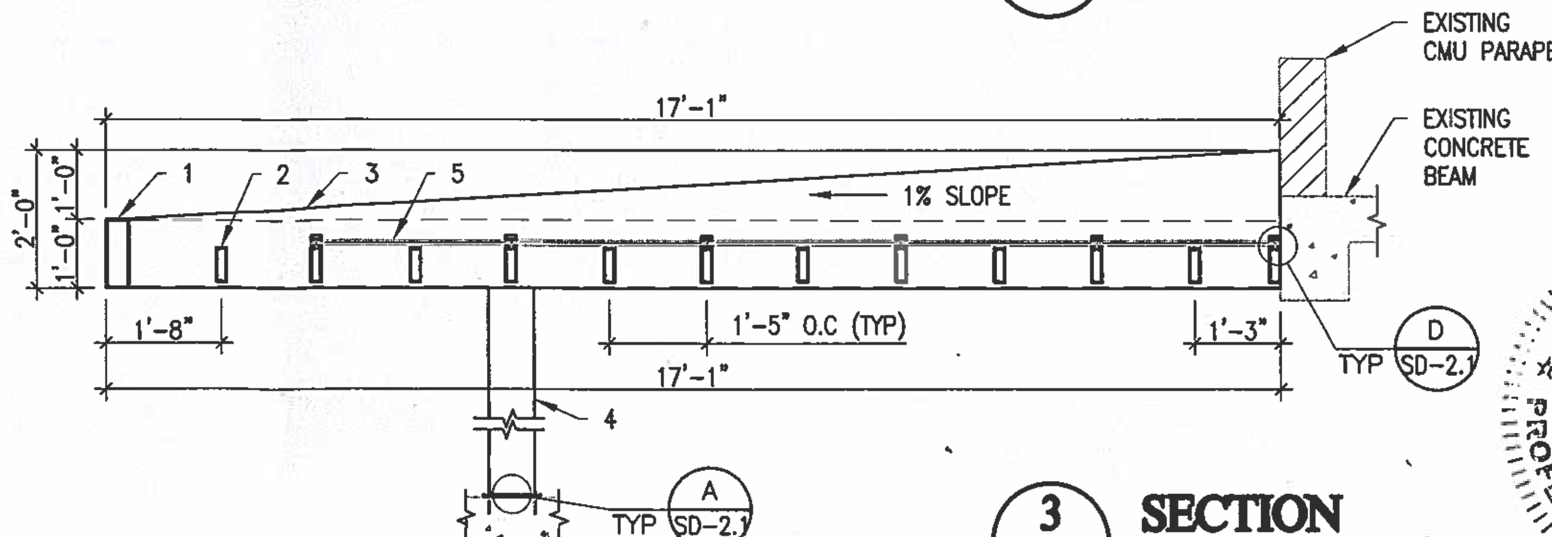
SCALE: 3/8"=1'-0"



2 SECTION

SD-2.0

SCALE: 3/8"=1'-0"



3 SECTION

SD-2.0

SCALE: 3/8"=1'-0"

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NO.	DESCRIPTION	DATE	APP'D

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DRAWN BY : M.M.R
DESIGNED BY : M.M.R
CHECKED BY : G.P.
JOB NO. : 19-0207
SCALE : AS SHOWN

399 GOLDEN BEACH TRELLIS

ALUMINUM TRELLIS PLAN VIEW AND SECTION

TYPE OF PROJECT: TRELLIS
PROJECT LOCATION: 399 GOLDEN BEACH DR GOLDEN BEACH, FL 33160-2225
CLIENT: JOSES ORNAMENTAL WELDING

GONZALO A. PAZ
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SD-2.0

LEGEND:

1. 12"X4"X¼" THK. ALUMINUM TUBE, ALLOY 6061-T6
2. 6"X2"X¼" THK. ALUMINUM TUBE, ALLOY 6061-T6
3. 1" THK. ALUMINUM PLATE, ALLOY 6061-T6
4. ø8"X¼" THK. ALUMINUM ROUND COLUMN (22' HEIGHT MAX.) , ALLOY 6061-T6
5. ¾" THK. LAMINATED TEMPERED GLASS, SEE GENERAL NOTES FOR GLASS SPECS.
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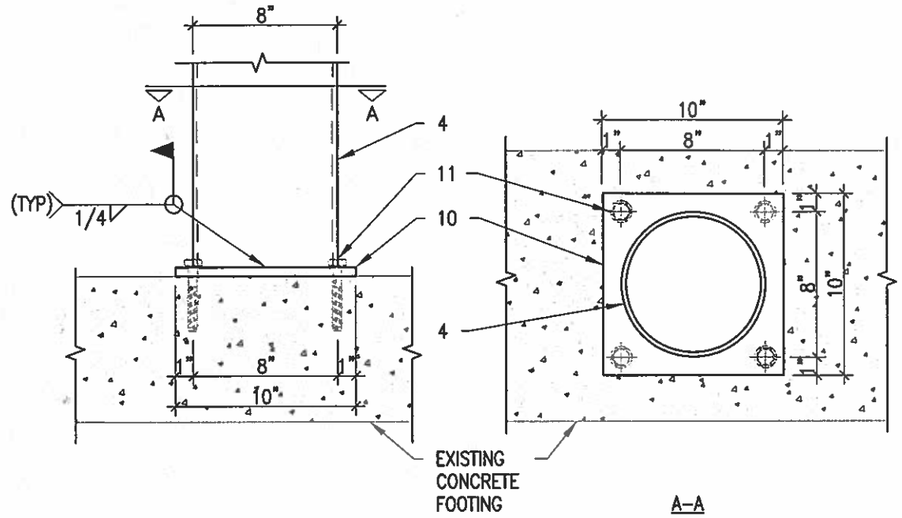
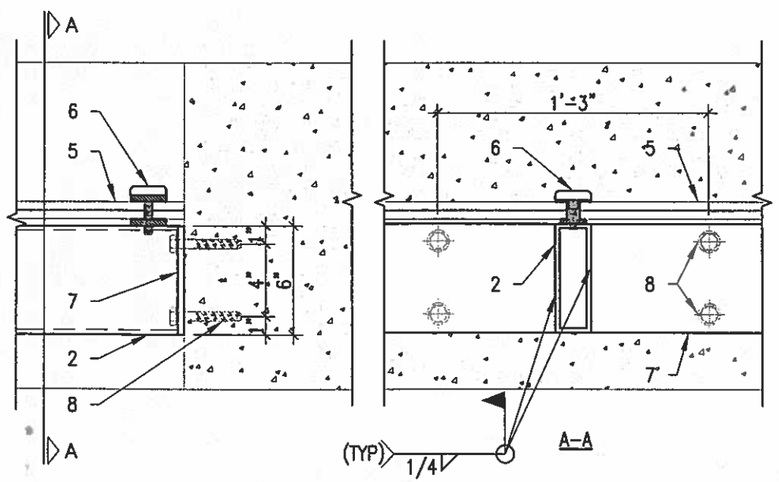
8. ø½" WEDGE BOLT BY POWER FASTENER OR EQUAL W/ 3" MIN. EMBED, 6" MIN EDGE DIST. & 4" MIN SPACING.
9. 8"X12"X⅜" THK. ALUMINUM PLATE, ALLOY 6061-T6
10. 10"X10"X½" THK. ALUMINUM PLATE, ALLOY 6061-T6
11. ø½" S.S WEDGE BOLT BY HILTI OR EQUAL APPROVED W/ 3" MIN. EMBEDMENT INTO CONC., W/ 8" MIN. SPACING, W/ 12" MIN. EDGE DISTANCE.

NOTE:

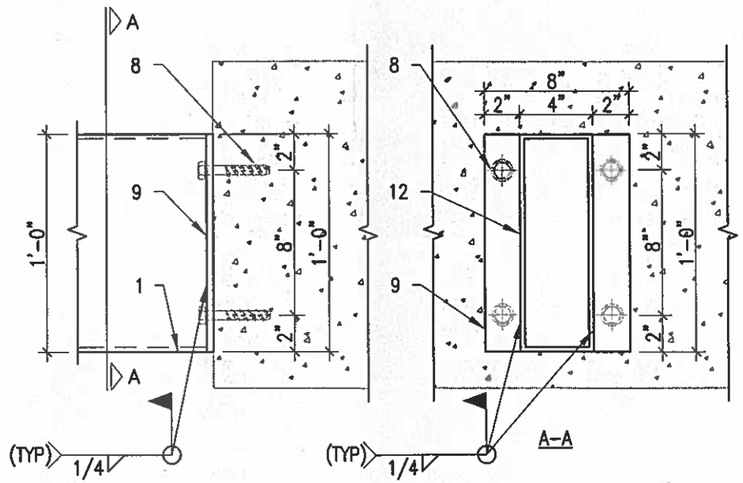
DIMENSION MUST BE VERIFY ON FIELD



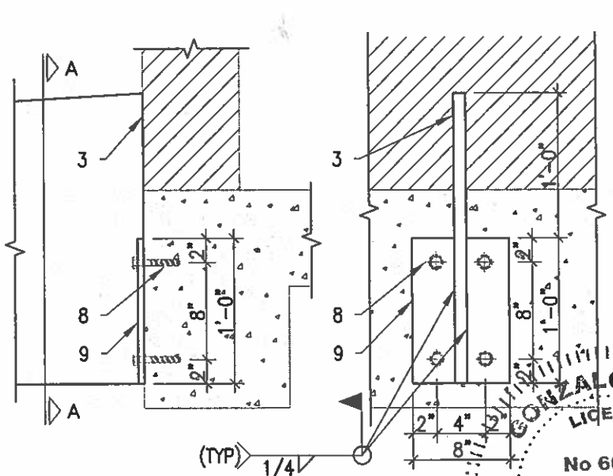
A DETAIL
SD-2.1 SCALE: 1 1/2"=1'-0"



B DETAIL
SD-2.1 SCALE: 1 1/2"=1'-0"



C DETAIL
SD-2.1 SCALE: 1 1/2"=1'-0"



D DETAILS
SD-2.1 SCALE: 1"=1'-0"

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PM : GONZALO A. PAZ, P.E.
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DESIGNED BY : MMR
CHECKED BY : G.P.
JOB NO. : 19-2007
SCALE : AS SHOWN

399 GOLDEN BEACH TRELLIS

TYPE OF PROJECT: TRELLIS
PROJECT LOCATION: 399 GOLDEN BEACH DR GOLDEN BEACH, FL 33160-2325
CLIENT: JOSES ORNAMENTAL WELDING

DETAILS

GONZALO A. PAZ
LICENSE
No 60734
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SHEET
SD-2.1

LEGEND:

1. 12"X4"X¼" THK. ALUMINUM TUBE, ALLOY 6061-T6
2. 6"X2"X¼" THK. ALUMINUM TUBE, ALLOY 6061-T6
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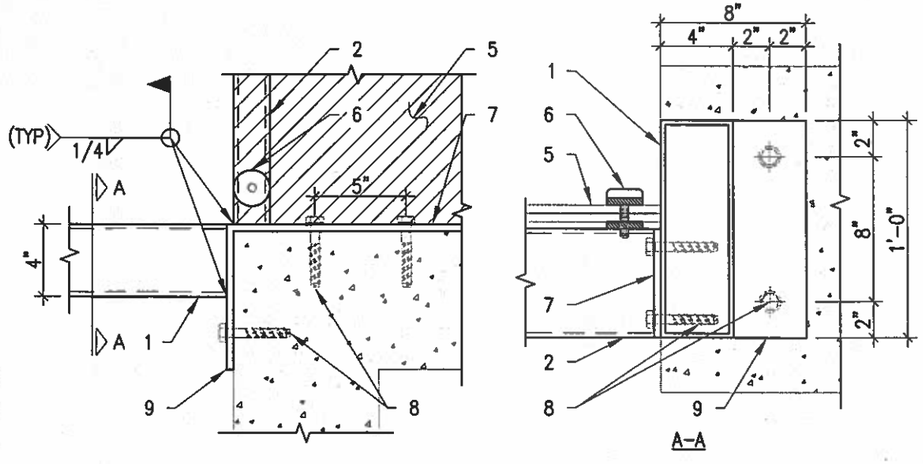
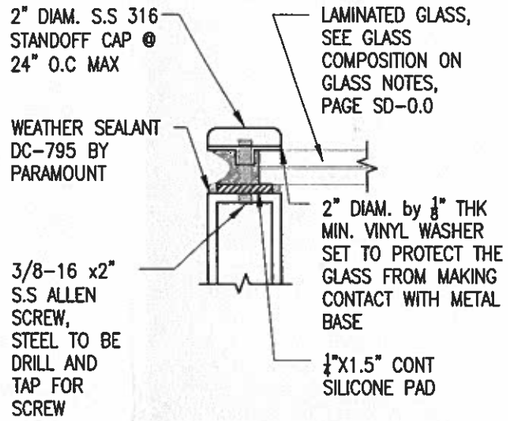
11. ø½" S.S WEDGE BOLT BY HILTI OR EQUAL APPROVED W/ 3" MIN. EMBEDMENT INTO CONC., W/ 8" MIN. SPACING, W/ 12" MIN. EDGE DISTANCE.

NOTE:

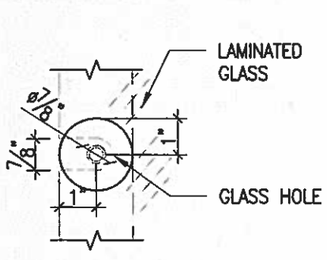
DIMENSION MUST BE VERIFY ON FIELD



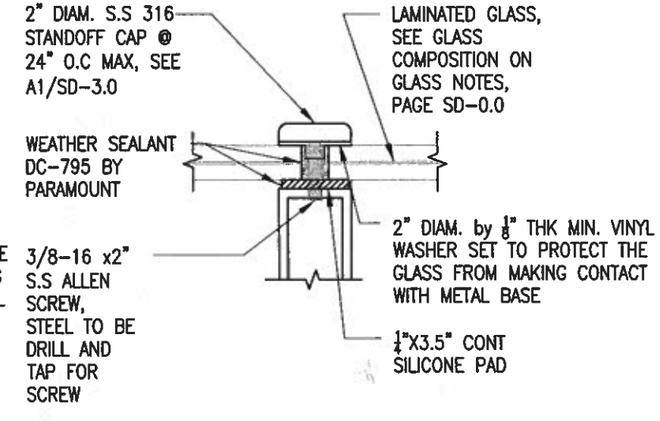
A DETAIL
SD-2.2 SCALE: 1 1/2"=1'-0"



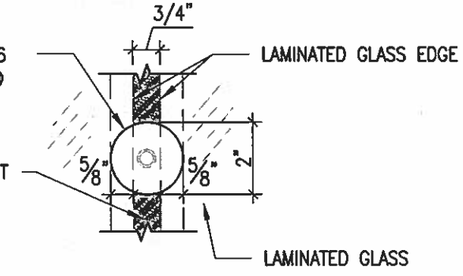
EDGE CONNECTION DETAIL-SECTION



EDGE CONNECTION DETAIL-PLAN VIEW

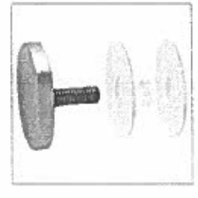


INTERMEDIATE CONNECTION DETAIL-SECTION



INTERMEDIATE CONNECTION DETAIL-PLAN VIEW

APPLY LOCTITE OVER ALLEN SCREWS PRIOR TO INSTALLING STANDOFF CAPS. (TO PREVENT CAPS FROM LOOSENING).



B GLASS CONNECTIONS
SD-2.2 SCALE: 3"=1'-0"

Eastern
Engineering Group
3401 NW 82nd Avenue
Suite 370
Miami, FL 33122
(305) 599-8133
info@easterneg.com
www.easterneg.com

NO.	DESCRIPTION	DATE	APP'D

DATE : 5/14/19
PM : GONZALO A. PAZ, P.E.
DRAWN BY : M.M.R
DESIGNED BY : M.M.R
CHECKED BY : G.P.
JOB NO. : 19-0207
SCALE : AS SHOWN

399 GOLDEN BEACH TRELLIS

DETAILS AND CONNECTION

TYPE OF PROJECT: TRELLIS
PROJECT LOCATION: 399 GOLDEN BEACH DR GOLDEN BEACH, FL 33160-2235
CLIENT: JOSES ORNAMENTAL WELDING

GONZALO A. PAZ LICENSE No 60734 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/14/2019

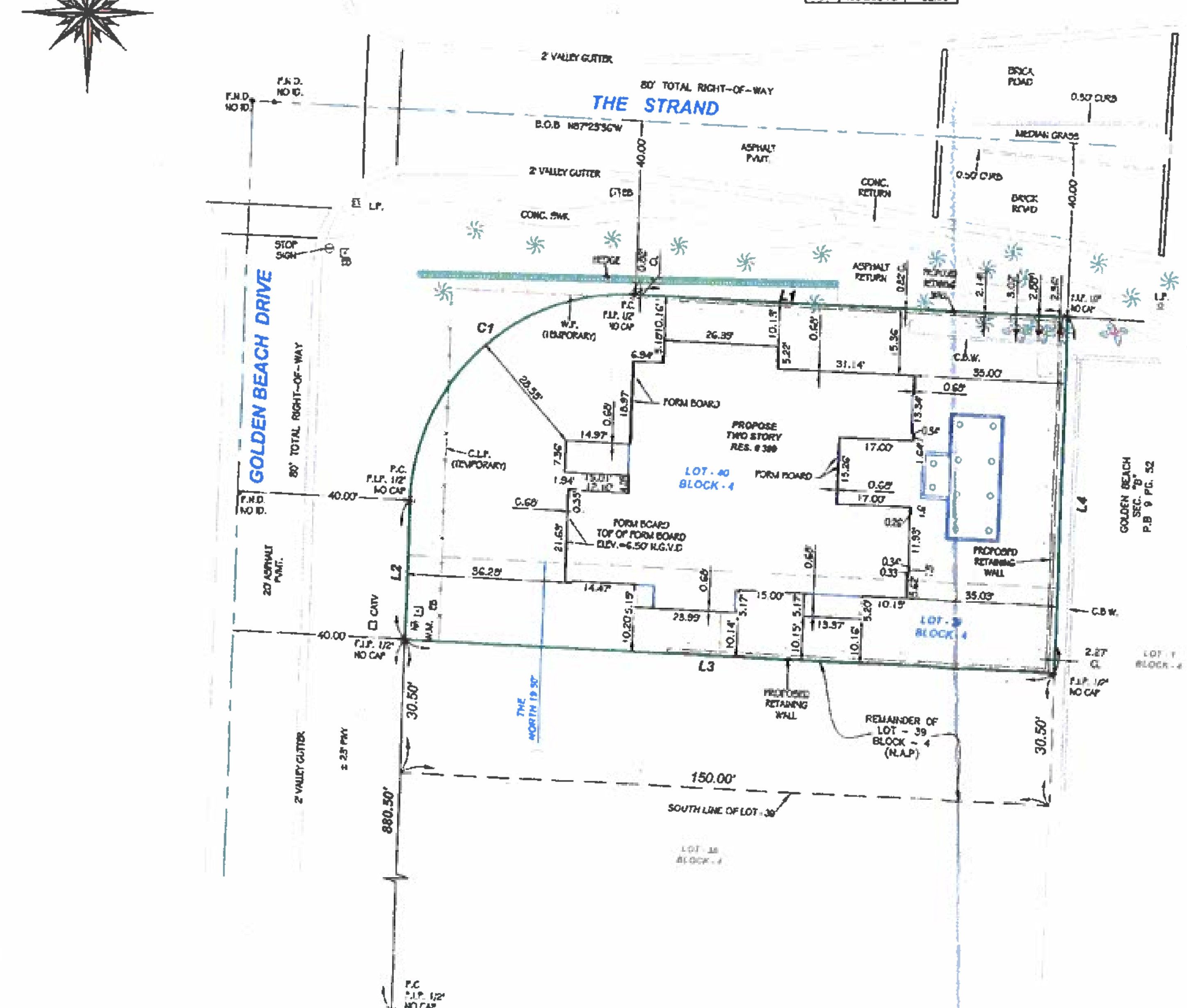
SHEET SD-2.2

JOHN IBARRA & ASSOCIATES, INC.
Professional Land Surveyors & Mappers
WWW.IBARRALANDSURVEYORS.COM

AS-BUILT SURVEY

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	CH. B.	CH. L.	T
C1	78.54'	50.00'	90°00'	S47°36'24"W	70.71'	50.00'

LINE TABLE		
LINE	BEARING	LENGTH
L1	N87°23'36"W	100.00
L2	S02°36'24"W	32.00
L3	S87°23'36"E	150.00
L4	N02°36'24"E	82.00



GRAPHIC SCALE

-20 0 10 20 40 80

(IN FEET)

LOCATION SKETCH

SCALE = N.T.S.

LEGAL DESCRIPTION:
NORTH 19.50' OF LOT 39 AND ALL OF LOT 40, BLOCK 4, GOLDEN BEACH SECTION E, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGE 122, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

ABBREVIATIONS

PROPERTY ADDRESS:
399 GOLDEN BEACH DRIVE
GOLDEN BEACH, FL 33160

CERTIFICATION:
GALSKY CONSTRUCTION ENTERPRISES 2, LLC

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY :
- THERE MAY BE EASEMENTS RECORDED IN THE PUBLIC RECORDS NOT SHOWN ON THIS SURVEY
- EXAMINATIONS OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING THE PROPERTY.
- THIS SURVEY IS SUBJECT TO DEDICATIONS, LIMITATIONS, RESTRICTIONS, RESERVATIONS OR EASEMENTS OF RECORD.
- LEGAL DESCRIPTIONS PROVIDED BY CLIENT OR ATTESTING TITLE COMPANY.
- BOUNDARY SURVEY MEANS A DRAWING AND/ OR A GRAPHIC REPRESENTATION OF THE SURVEY WORK PERFORMED IN THE FIELD, COULD BE DRAWN AT A SHOWN SCALE AND/OR NOT TO SCALE; THE WALLS OR FENCES MAY BE EXAGGERATED FOR CLARITY PURPOSES.
- EASEMENTS AS SHOWN ARE PER PLAT BOOK, UNLESS DEPICTED OTHERWISE.
- THE TERM "ENCROACHMENT" MEANS VISIBLE AND ABOVE GROUND ENCROACHMENTS.
- ARCHITECTS SHALL VERIFY ZONING REGULATIONS, RESTRICTIONS, SETBACKS AND WILL BE RESPONSIBLE FOR SUBMITTING PLOT PLANS WITH CORRECT INFORMATION FOR "APPROVAL FOR AUTHORIZATION" TO THE PROPER AUTHORITIES IN NEW CONSTRUCTION.
- UNLESS OTHERWISE NOTED, THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTING AND/OR FOUNDATIONS.
- FENCE OWNERSHIP NOT DETERMINED.
- THIS PLAN OF SURVEY, HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON, THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTY.

FLOOD ZONE INFORMATION:
THE NFIP FLOOD MAPS HAVE DESIGNATED THE HEREIN DESCRIBED LAND TO BE SITUATED IN:

FLOOD ZONE:	"AE"
BASE FLOOD ELEVATION:	8 FEET.
COMMUNITY:	120678
PANEL:	0453
SUFFIX:	L
DATE OF FIRM:	09/11/2009

THE SUBJECT PROPERTY DOES LIE IN A SPECIAL FLOOD HAZARD AREA.

SURVEYOR'S NOTES:
1. IF SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY SAID PLAT IN THE DESCRIPTION OF THE PROPERTY. IF NOT, BEARINGS ARE THEN REFERRED TO COUNTY, TOWNSHIP MAPS.
2. THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1:7500 FT.
3. CERTIFICATE OF AUTHORIZATION LB # 7806.
4. ALL ELEVATIONS SHOWN ARE REFERRED TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 MIAMI-DADE COUNTY BENCH MARK # F-344-R; LOCATOR NO 2220 SE; ELEVATION IS 4.25 FEET OF N.G.V.D. OF 1929.

SURVEYOR'S CERTIFICATION:

BY: JOHN IBARRA 08/28/2018

PROFESSIONAL LAND SURVEYOR NO. 5204 STATE OF FLORIDA

REVISED ON: ______

REVISED ON: ______

LEGEND
- = OVERHEAD UTILITY LINES
- = CONCRETE BLOCK WALL
- = CHAIN LINK FENCE
- = IRON FENCE
- = WOOD FENCE
- = BUILDING SETBACK LINE
- = UTILITY EASEMENT
- = LIMITED ACCESS R/W

DRAWN BY:	KEVIN
FIELD DATE:	08/28/2018
SURVEY NO:	14-000523-10

JOHN IBARRA PROFESSIONAL LAND SURVEYOR NO. 5204 STATE OF FLORIDA

JOHN IBARRA & ASSOCIATES, INC.
Professional Land Surveyors & Mappers
WWW.IBARRALANDSURVEYORS.COM
777 N.W. 72nd AVENUE, SUITE 3025, MIAMI, FLORIDA 33126, PH: (305) 262-0400, FAX: (305) 262-0401
4951 TAMIAMI TRAIL NORTH, SUITE # 200, NAPLES, FL 34103, PH: (239) 540-2660, FAX: (239) 540-2664

SITE PLAN

FOR PROPOSED DRIVEWAY AND TRELLIS

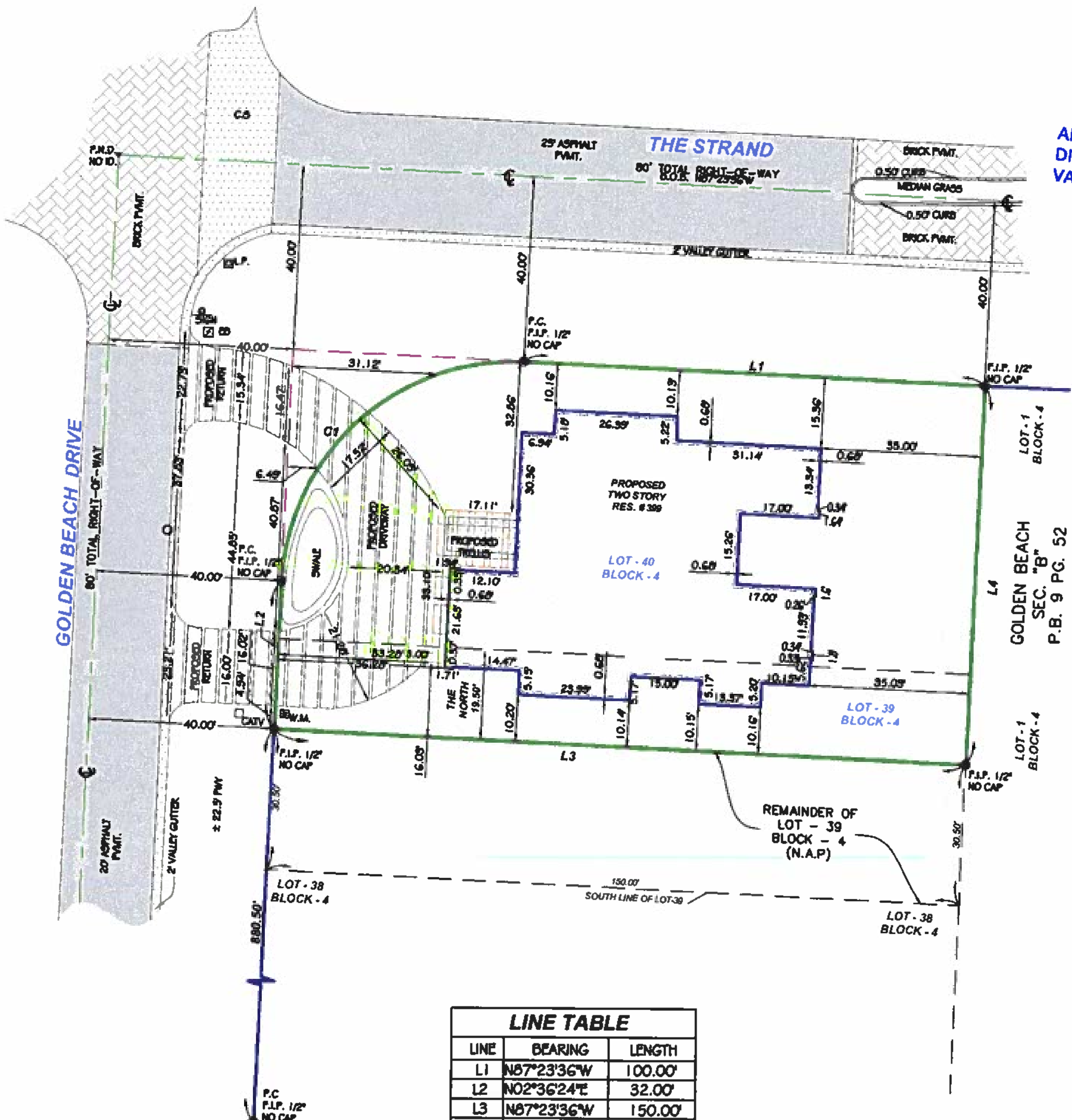
GRAPHIC SCALE

-20 0 10 20 40 80

(IN FEET)
1 INCH = 20 FEET

Town of Golden Beach
Building Regulatory Advisory Board
Hearing Date
AUG 8 2019

APPROVED ____
DISAPPROVED ____
VARIANCE REQ: ____



LOCATION SKETCH
SCALE = N.T.S.

LINE TABLE

LINE	BEARING	LENGTH
L1	N87°23'36"W	100.00'
L2	N02°36'24"E	32.00'
L3	N87°23'36"W	150.00'
L4	N02°36'24"E	82.00'

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CH. B.	CH. L.
C1	78.54'	50.00'	90°00'00"	S47°36'24"W	70.71'

LEGAL DESCRIPTION:
THE NORTH 19.50' OF LOT 39 AND ALL OF LOT 40, BLOCK 4, SECTION E OF GOLDEN BEACH, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, AT PAGE 122, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

ABBREVIATIONS

PROPERTY ADDRESS:
399 GOLDEN BEACH DRIVE,
GOLDEN BEACH, FL 33160

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY :
- THERE MAY BE EASEMENTS RECORDED IN THE PUBLIC RECORDS NOT SHOWN ON THIS SURVEY.
- EXAMINATIONS OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING THE PROPERTY.
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- ARCHITECTS SHALL VERIFY ZONING REGULATIONS, RESTRICTIONS, SETBACKS AND WILL BE RESPONSIBLE FOR SUBMITTING PLOT PLANS WITH CORRECT INFORMATION FOR "APPROVAL FOR AUTHORIZATION" TO THE PROPER AUTHORITIES IN NEW CONSTRUCTION.
- UNLESS OTHERWISE NOTED, THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTING AND/OR FOUNDATIONS.
- FENCE OWNERSHIP NOT DETERMINED.
- THIS PLAN OF SURVEY, HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON, THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTY.

FLOOD ZONE INFORMATION:
THE NFIP FLOOD MAPS HAVE DESIGNATED THE HEREIN DESCRIBED LAND TO BE SITUATED IN:
FLOOD ZONE: "AE"
BASE FLOOD ELEVATION: 8 FT.
COMMUNITY: 120676
PANEL: 0163
SUFFIX: L
DATE OF FIRM: 09/11/2009
THE SUBJECT PROPERTY DOES LIE IN A SPECIAL FLOOD HAZARD AREA.

SURVEYOR'S NOTES:
1. IF SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY SAID PLAT IN THE DESCRIPTION OF THE PROPERTY. IF NOT, BEARINGS ARE THEN REFERRED TO COUNTY, TOWNSHIP MAPS.
2. THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1:7500 FT.
3. CERTIFICATE OF AUTHORIZATION LB # 7806.

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY: THIS "BOUNDARY SURVEY" OF THE PROPERTY DESCRIBED HEREON, HAS RECENTLY BEEN SURVEYED AND DRAWN UNDER MY SUPERVISION, AND COMPLIES WITH THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO 472.027, FLORIDA STATUTES.

BY: ____ 07/17/2019
JOHN IBARRA (DATE OF FIELD WORK)

PROFESSIONAL LAND SURVEYOR NO.: 5204 STATE OF FLORIDA
(NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER)

REVISED ON: 07/17/2019 SITE PLAN FOR PROPOSED TRELLIS
REVISED ON: 05/28/2019 SITE PLAN FOR PROPOSED DRIVEWAY
REVISED ON: 04/29/2019 FORM BOARD SURVEY
REVISED ON: 09/01/2017 UPDATED WITH CONSTRUCTION ELEVATION
REVISED ON: 06/13/2016 ADDED TREES
REVISED ON: 01/18/2016 UPDATED WITH CONSTRUCTION ELEVATION
REVISED ON: 03/19/2014 ORIGINAL SURVEY

LEGEND
- = OVERHEAD UTILITY LINES
- = CONCRETE BLOCK WALL
- = CHAIN LINK FENCE
- = IRON FENCE
- = WOOD FENCE
- = BUILDING SETBACK LINE
- = UTILITY EASEMENT
- = LIMITED ACCESS R/W
- = NON-VEHICULAR ACCESS R/W
- x 0.00 = EXISTING ELEVATIONS

DRAWN BY:	LK
FIELD DATE:	07/17/2019
SURVEY NO:	14-000523-16
SHEET:	1 OF 1

JOHN IBARRA CERTIFICATE NO. 5204 STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR
L.B.# 7806 SEAL

JOHN IBARRA & ASSOCIATES, INC.
Professional Land Surveyors & Mappers
WWW.IBARRALANDSURVEYORS.COM
777 N.W. 72nd AVENUE
SUITE 3025
MIAMI, FLORIDA 33126
PH: (305) 262-0400
FAX: (305) 262-0401

2004 CIEL PRADO BLVD SOUTH
SUITE NO. 202 UNIT 1
CAPE CORAL, FL 33904
PH: (239) 540-2660
FAX: (239) 540-2664

MAP OF BOUNDARY SURVEY

399 GOLDEN BEACH DRIVE, GOLDEN BEACH, FL 33160

Town of Golden Beach
Building Regulatory Advisory Board
Hearing Date AUG 13 2018
APPROVED
DISAPPROVED
VARIANCE REQ:

LINE TABLE		
LINE	BEARING	LENGTH
L1	N87°23'36"W	100.00'
L2	N02°36'24"E	32.00'
L3	N87°23'36"W	150.00'
L4	N02°36'24"E	82.00'

CURVE TABLE					
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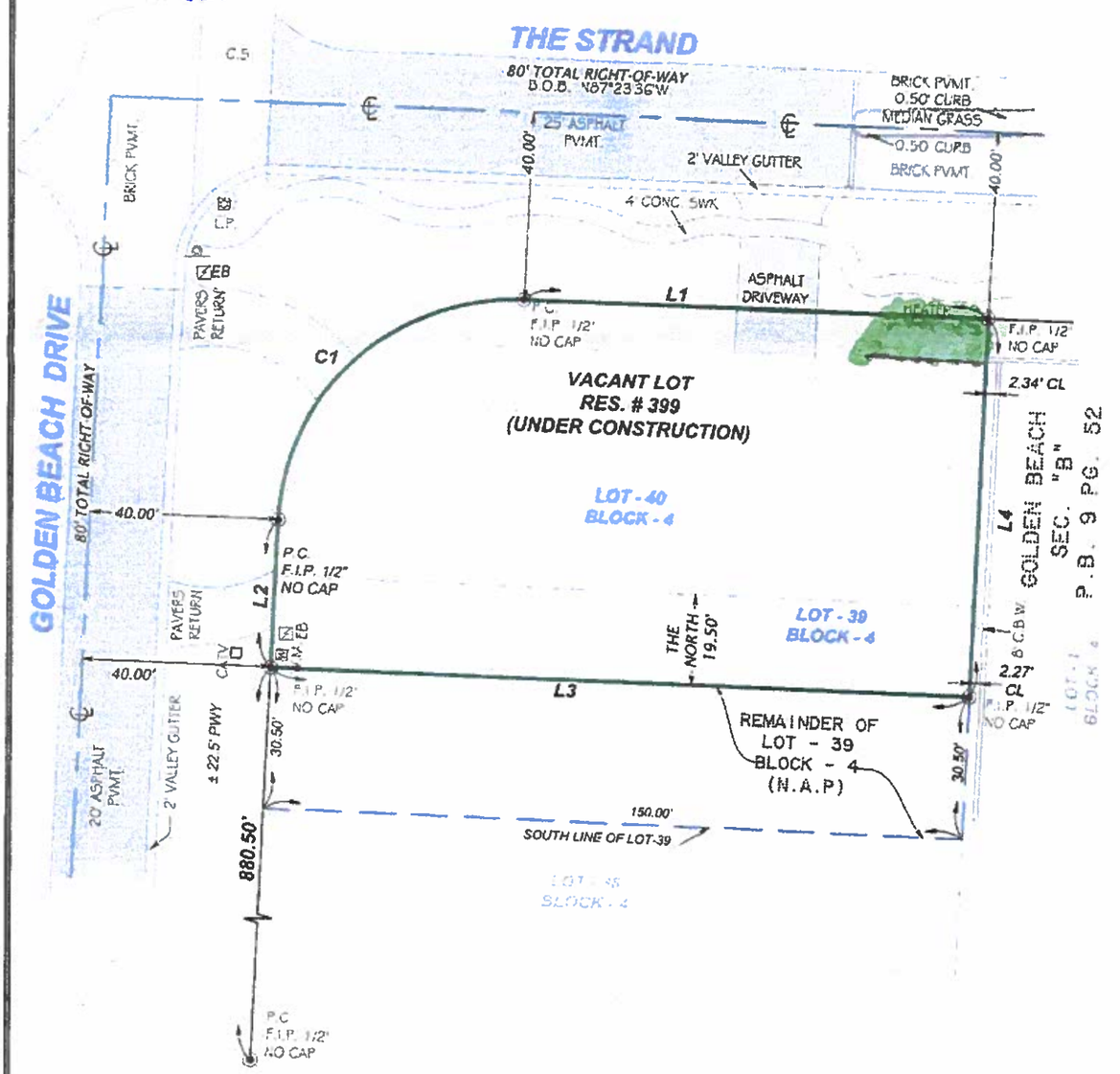
C1	78.54'	50.00'	90°00'00"	S47°36'24"W	70.71'



CARLOS IBARRA CERTIFICATE NO. 6770 STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR
L.B.# 7806 SEAL

LEGAL DESCRIPTION:
THE NORTH 19.50' OF LOT 39 AND ALL OF LOT 40, BLOCK 4, SECTION E OF GOLDEN BEACH, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, AT PAGE 122, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

CERTIFICATION:
GALSKY CONSTRUCTION ENTERPRISES 2, LLC, A FLORIDA LIMITED LIABILITY COMPANY
HOWARD B. NADEL, P.A.
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
INTERAUDI BANK, ISAOA, ATIMA

DRAWN BY:	EA
SCALE:	1"=30'
FIELD DATE:	01/04/2018
JOB NO:	14-000523-5
SHEET:	2 OF 2

Linda Epperson

From: Melinda Almonte <scarveyalmonte@bellsouth.net>
Sent: Wednesday, July 31, 2019 3:46 PM
To: Linda Epperson
Cc: Alexander Diaz
Subject: 399 Golden Beach Drive Variance

Dear Ms. Epperson and Mr. Diaz, This is Melinda Almonte at 395 Golden Beach Drive, the south neighbor of 399 Golden Beach Drive. I am absolutely opposed to the variance requested by the owner of the property. It will be a large eye sore at the entrance of our community infringing on 9 feet of land that should have a setback on the north curve and almost 2 feet on the south front side. I don't accept that infringement. The house structure itself is already at the maximum building capacity for setback requirements. It is not a good look for the town to then violate the setback rules. We start to look like a community of large town homes. I object on my own behalf and for other residents who follow the building codes. Sincerely, Melinda Almonte

Linda Epperson

From: Melinda Almonte <scarveyalmonte@bellsouth.net>
Sent: Friday, August 02, 2019 3:35 PM
To: Linda Epperson
Cc: Alexander Diaz
Subject: 399 Golden Beach Drive Variance Request

As an addendum to my prior email opposing the owner's request for a variance for the above-referenced property, I would like to emphasis that there is no showing of good and sufficient cause nor an exceptional hardship for the owner that would result if the variance is not granted. These conditions must be met under Golden Beach Code of Ordinances Article II, Division 4, Section 62-51 to qualify for a variance. The purpose of a variance is to grant equitable relief to a property owner where the physical characteristics of the property, i.e. shape of the lot or other natural characteristics of the property, severely affect the owner's ability to build on the property without a variance. That is clearly not the case here. I propose the query as to what the neighborhood would look like if everyone wanted to build structures in their front yard that violated the setback requirements?
Thank-you, Melinda Almonte, Esq.

TOWN OF GOLDEN BEACH
1 Golden Beach Drive
Golden Beach, Fl. 33160

SUMMARY MINUTES (DRAFT)
BUILDING REGULATION ADVISORY BOARD
September 10, 2019 at 6pm

A. CALL MEETING TO ORDER: 6:00pm

B. BOARD ATTENDANCE: Zvi Shiff, Isaac Murciano and Beth Geduld

C. STAFF ATTENDANCE: Michael Miller-Michael Miller Planning and Linda Epperson-Director Building and Zoning

D. APPROVAL OF MINUTES: August 13, 2019

Motion approve the minutes by Zvi Shiff, Seconded by Beth Geduld
On roll call: Zvi Shiff-Aye, Isaac Murciano-Aye and Beth Geduld-Aye
Motion passed 3 – 0

E. REQUEST FOR ADDITIONS, DEFERRALS, DELETIONS & WITHDRAWALS

1. 310 South Parkway LLC
310 South Parkway
Golden Beach, Fl 33160

Property Address: 310 South Parkway, Golden Beach, Fl 33160
Folio No: 19-1235-005-0590
Legal Description: GB Sec E, PB 8-122 Lot 31 & 32 Blk G

Addition and remodel of an existing residence, and approval of the landscape design.

Motion approve the Defer the item by Zvi Shiff, Seconded by Beth Geduld
On roll call: Zvi Shiff-Aye, Isaac Murciano-Aye and Beth Geduld-Aye
Motion passed 3 – 0

F. VARIANCE REQUEST(S):

2. Galasky Construction Enterprises 2 LLC
429 Center Islands
Golden Beach, Fl 33160

Property Address: 399 Golden Beach Dr, Golden Beach, Fl 33160-0000
Folio No: 19-1235-005-0330
Legal Description: Gb Sec E Pb 8-122 N19.50ft Of Lot 39 & All Lot 40 Blk 4

Michael Miller entered his Staff report into the record and gave a summary on its' contents.
Linda Almonte – 395 Golden Beach Drive – spoke in opposition to this request
Ibrahim Galsky – 429 Center Island Drive – applicant spoke on his own behalf

Ms. Saban – Designer – spoke on behalf of the applicant

House under construction – revision to add front entrance Trellis/Canopy cover.

Relief from Town Code Section 66.69-2 Zone Two, (f) front yard setback:
(2) Lots fronting east side of Golden Beach Drive. Lots with Frontage on the east side of Golden Beach Drive shall provide front yard Setbacks as follows:
a. For Full Size Lots, no building or part thereof, including garages, shall be erected nearer than 35 feet from the west lot line thereof.

The applicant's request is to allow the front entrance Canopy/Trellis structure to encroach at varying front setbacks; from 26.05' at the curve of the north front property line to 33.27' from the south front property line. Instead of the 35 foot
Setback outlined in the code.

In accordance with Town Code Section 66-41, "authorized, general procedure", pertaining to variances, the board considered all evidence and testimony presented by the applicant, the public and the Town and made a finding that the applicant has complied with the seven criteria.

A motion to recommend approval was made by Zvi Shiff, Seconded by Beth Geduld
On roll call: Zvi Shiff-Nay Beth Geduld-Aye, Isaac Murciano-Aye
Motion passed 2 – 1 (Zvi Shiff-Nay)

3. Volodymyr Symonenko
Oksana Kirpenko
386 Golden Beach Dr
Golden Beach, Fl 33160

Property Address: 386 Golden Beach Dr, Golden Beach, Fl 33160-0000
Folio No: 19-1235-005-0720
Legal Description: Gb Sec E Pb 8-122 N1/2 Of Lot 48 & Lot 49 Blk G

Michael Miller entered his Staff report into the record and gave a summary on its' contents.
Kirk Lofgren – Ocean Consulting – spoke on behalf of the applicant
Melinda Almonte – 395 Golden Beach Drive, spoke in opposition to this item.

After the Fact: Approval for a dock constructed at 53'8" in length, instead of the approved dock size length of 46'8".

Relief from Town Code Section 46-87 – Proximity of Lot Lines
(b) No portion of a dock, boat lift, hydro hoist or any other method of elevation, mooring piles, boat davits, dolphin piles or any other structure, and no portion of a boat elevated above the water moored at a dock or seawall, shall protrude into the waterway, unless it is within the triangle formed by connecting the points indicated below, that form a triangle where the waterfront property line is the base of the triangle and the triangle sides extend towards the waterway at a 45 degree angle until the lines intersect on the waterway side of the lot, but never to exceed 25 feet into the waterway from each of the lot property line. Neither elevated boats nor docks shall encroach in any instance within the side setback area. The base of the triangle shall be determined as follows: (1) the base of the D5 triangle for all lots is set back five feet inside each of the side property lines.

The applicants request is to allow the dock to remain as constructed at 53'8' which protrudes outside the D5 Triangle. Instead of the Town's approved dock plan length of 46'8" which is within the D5 Triangle.

In accordance with Town Code Section 66-41, "authorized, general procedure", pertaining to variances, the board considered all evidence and testimony presented by the applicant, the public and the Town and made a finding that the applicant has complied with the seven criteria.

A motion to recommend approval was made by Zvi Shiff, Seconded by Beth Geduld
On roll call: Zvi Shiff-Nay Beth Geduld-Nay, Isaac Murciano-Nay
Motion failed 3 – 0

G. OLD BUSINESS:

4. Mark and Yrina Barrocas
395 Warren Street
Brookline MA. 02445120

Property Address: 501 Ocean Boulevard, Golden Beach, FL. 33160
Folio No: 19-1235-001-0640
Legal Description: GB Sec A, PB 9-52 LOTS 39 & 40 BLK D

Michael Miller entered his Staff report into the record and gave a summary on its' contents.
Rafael Levy – Architect for the project spoke on the applicant's behalf

Revisions to previously approved design.

A motion to approve Beth Geduld, Seconded by Zvi Shiff,
On roll call: Zvi Shiff-Aye Beth Geduld-Aye, Isaac Murciano-Aye
Motion passed 3 – 0

H. NEW BUSINESS:

5. ERI Markets Holding Inc and Mark C Katzef PA
2999 NE 191 St, Ste 805
Miami, Fl 33180

Property Address: 486 N Parkway, Golden Beach, Fl 33160-0000
Folio No: 19-1235-005-0370
Legal Description: GB Sec E PB 8-122 Port of Lots 27 28 & Port of 29, Blk F

Michael Miller entered his Staff report into the record and gave a summary on its' contents
David Nutter – BM Marine spoke behalf of the applicant

Approval for installation of a new concrete dock extension.

A motion to approve Beth Geduld, Seconded by Zvi Shiff,
On roll call: Zvi Shiff-Aye Beth Geduld-Aye, Isaac Murciano-Aye
Motion passed 3 – 0

I. PRELIMINARY DESIGN REVIEWS - ITEMS FOR DISCUSSION AND POSSIBLE APPROVAL

J. ADJOURNMENT

PURSUANT TO FLA. STATUTE 286.0105, THE TOWN HEREBY ADVISES THE PUBLIC THAT: IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THIS BOARD WITH RESPECT TO ANY MATTER CONSIDERED AT ITS MEETING OR HEARING, HE WILL NEED A RECORD OF THE PROCEEDINGS, AND FOR THAT SUCH PURPOSE, AFFECTED PERSONS MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. THIS NOTICE DOES NOT CONSTITUTE CONSENT BY THE TOWN FOR THE INTRODUCTION OR ADMISSION OF OTHER INADMISSIBLE OR IRRELEVANT EVIDENCE, NOR DOES I

Linda Epperson

From: Melinda Almonte <scarveyalmonte@bellsouth.net>
Sent: Wednesday, July 31, 2019 3:46 PM
To: Linda Epperson
Cc: Alexander Diaz
Subject: 399 Golden Beach Drive Variance

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