



CITY OF
MARGATE
Together We Make It Great

City of Margate
DEVELOPMENT REVIEW COMMITTEE
Application for Change of Occupancy

5790 Margate Blvd., Margate, FL 33063
954-972-6454

Submittal Date (official use):

RECEIVED
JAN 07 2016
BY: _____

Project Name Interior Tenant Improvements		
Address 2484 N State Road 7, Margate, FL 33063		
Acreage	Folio Number 18230-19-00100	DRC # 01-16-04 Paid: \$250.00
Existing Use		
Legal Description		

Describe proposal/request in detail	Change use from mercantile to assembly

Agent/Contact Name Cristian Acero/Aceca Construction	
Address 7213 Pine Bluff Drive, Lake Worth, FL 33467	
Phone Number 561-574 7733	Fax Number 561-771 1760
Email Address acero.cristian@hotmail.com	

Property Owner Name TS Margate Company, LTD.	
Address 4800 N. Federal Highway, Suite D307, Boca Raton, FL 33431	
Phone Number 5619487100	Fax Number 5619487120
Email Address Lillyg@smdproperty.com	

OWNERS AFFIDAVIT I certify that I am the owner of record for the above referenced property and give authorization to file this petition. I understand that I, or a representative on my behalf, must be present at the DRC meeting. I further understand that my petition will be subject to the regulations of Chapter 16-16 of the Margate City Code.

By: Margate Corporate, Inc.
a Florida corporation, General Partner

Property Owner's Signature
Steven Levin, Vice President

Date

10/24/15

City of Margate
*** CUSTOMER RECEIPT ***

Batch ID: RRODI 12/21/15 00 Receipt no: 50937

Type	SvcCd	Description	Amount
EJ		ECDV CHANGE OF OCCUP. USE	
	Qty	1.00	\$250.00

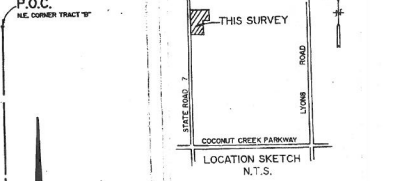
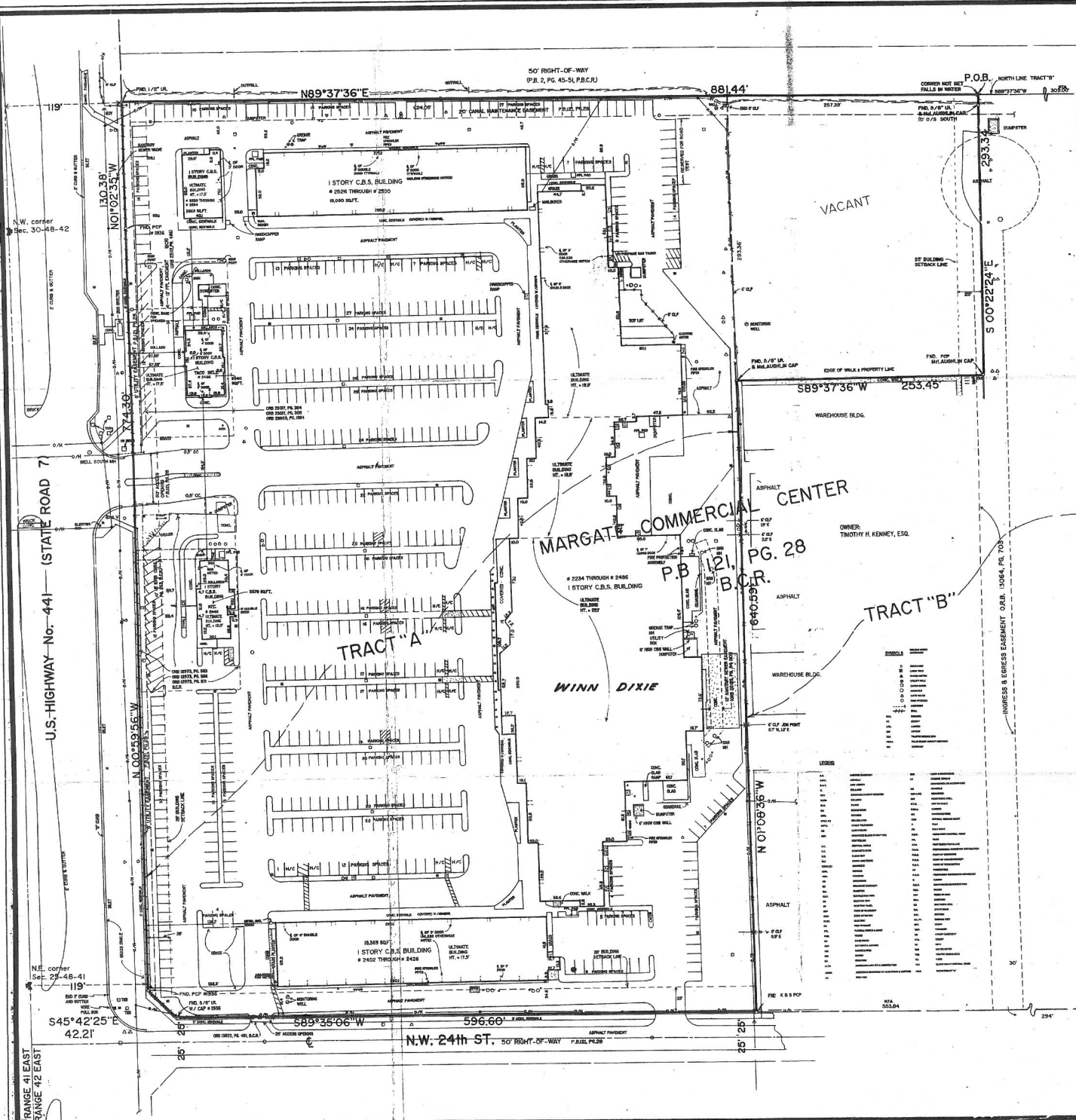
THE DOOR CHRISTIAN CENTER
2484 N STATE ROAD 7
MARGATE, FL 33063
CHANGE OF OCCUPANCY
DRC-01-16-04
CRISTIAN ACERO
ACECA CONSTRUCTION
7213 PINE BLUFF DRIVE
LAKE WORTH, FL 33467
561-574-7733
ACEROCRISTIAN@HOTMAIL.COM

Tender detail

CK Ref#:	1005	\$250.00
Total tendered:		\$250.00
Total payment:		\$250.00

Trans date: 1/11/16 Time: 11:37:10

HAVE A GREAT DAY!



- SURVEY NOTES**
1. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL, RAISED SEAL OF A FLORIDA SURVEYOR AND MAPPER.
 2. "NCP" INDICATES NAIL IN BRASS SURVEY CAP SET IN LIEU OF 4" X 4" X 4" CONCRETE MONUMENT.
 3. "C" INDICATES CONCRETE MONUMENT.
 4. LANDS SHOWN HEREON WERE SURVEYED BASED UPON CHICAGO TITLE INSURANCE COMPANY NO. 2204000, EFFECTIVE DATE SEPTEMBER 28, 2004 AT 6:00 P.M.
 5. BEARINGS SHOWN HEREON ARE RELATIVE TO THE PLAT OF "MARGATE COMMERCIAL CENTER" ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 121, PAGE 28, OF RECORDS OF BROWARD COUNTY, FLORIDA. REFERENCE BEARING OF NORTH 00° 5' 6" ALONG THE WEST LINE OF PARCEL "A" OF ADJACENT PLAT.
 6. THE LAND DESCRIPTION HEREON WAS PROVIDED BY THE CLIENT.
 7. UNDERGROUND FOUNDATIONS NOT LOCATED.
 8. ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE MAP NO. 120110119F, COMMUNITY PANEL NO. 120407 0119F, EFFECTIVE DATE 10/29/97, THIS AREA IS IN A FLOOD HAZARD ZONE.
 9. UNDERGROUND ENCROACHMENTS NOT LOCATED OR SHOWN.
 10. THIS PROPERTY IS ZONED AS FOLLOWS:
TRACT "A": B-2 (COMMUNITY BUSINESS)
TRACT "B": M-1A (INDUSTRIAL PARK DISTRICT)
 11. BUILDING SETBACKS ARE AS FOLLOWS:
TRACT "A" FRONT - 25 FEET
SIDE - 25 FEET (STREET)
SIDE - 25 FEET (ABUTTING NON-RESIDENTIALLY ZONED PROPERTY)
SIDE - 0 FEET (ABUTTING NON-RESIDENTIALLY ZONED PROPERTY)
REAR - 25 FEET (ABUTTING NON-RESIDENTIALLY ZONED PROPERTY)
TRACT "B" FRONT - 25 FEET
SIDE - 25 FEET FROM CANAL
REAR - 25 FEET FROM CANAL

SURVEY CERTIFICATION REQUIREMENTS

This survey is made for the benefit of Lehman Brothers Bank, F.S.B., its successors, assigns, Black, Walter, Held & Johnson, P.A., T.S. Margate Co., Ltd., a Florida partnership and Chicago Title Insurance Company.

Robert K. Kneak, a Registered Land Surveyor in the State of Florida, do hereby certify that I am the author of this survey, and as of the date set forth above, that I have a careful survey of a tract of land (the "Premises") described as follows:

LAND DESCRIPTION

Tract A, "Margate Commercial Center", according to the Plat thereof, as recorded in Plat E 121, Page 28, of the Public Records of Broward County, Florida.

Together with:

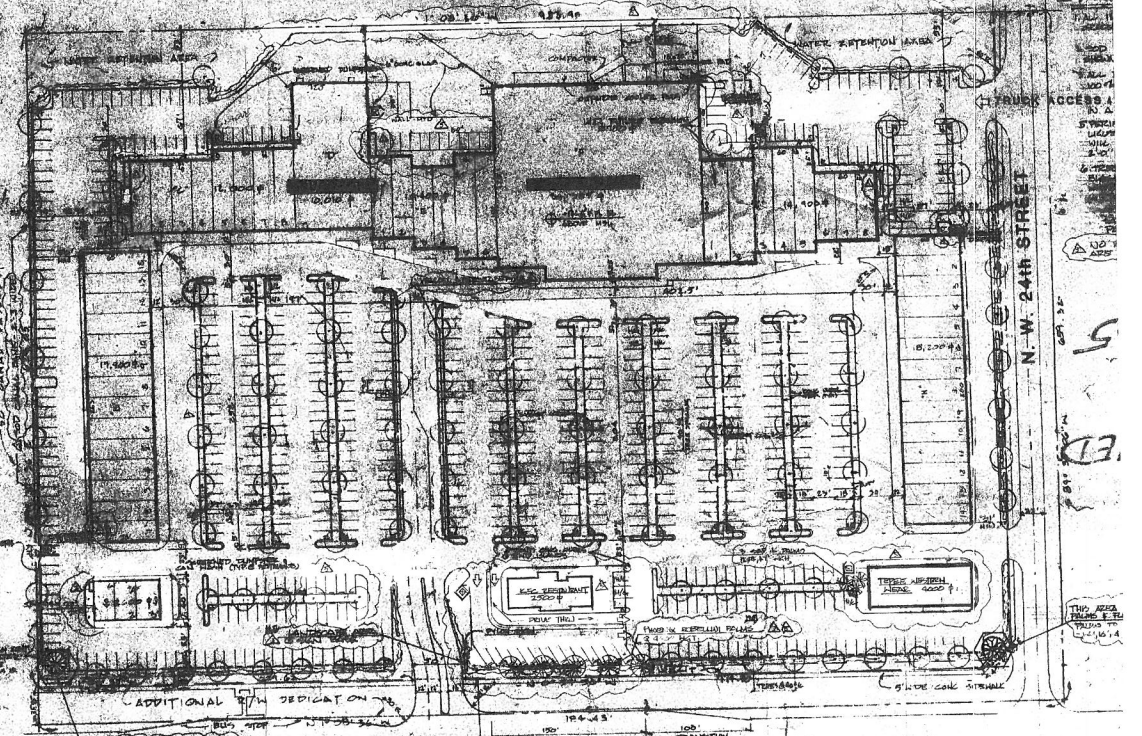
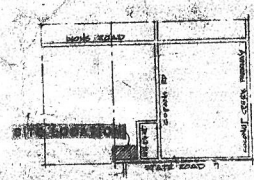
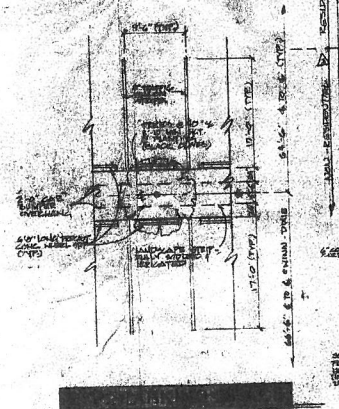
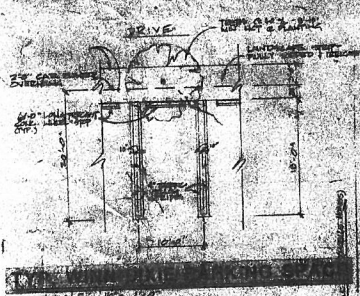
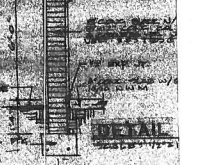
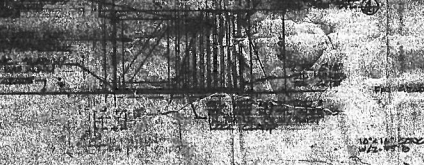
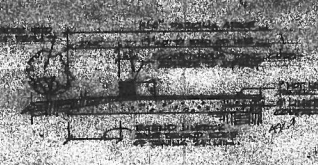
A portion of Tract "B" of Margate Commercial Center, according to the Plat thereof, as recorded in Plat Book 121, Page 28, of the Public Records of Broward County, Florida, and fully described as follows:

Commencing at the northeast corner of said Tract "B"; thence south 89° 37' 36" west north line of said Tract "B"; a distance of 308.00 feet to the point of beginning; thence south 22° 24' east, a distance of 293.54 feet; thence south 89° 37' 36" west, a distance of 253.45 feet to a point on the west line of said Tract "B"; thence north 01° 05' 30" west, on the said west line a distance of 293.56 feet to the northwest corner of said Tract "B"; thence north 89° 37' 36" on the north line of said Tract "B", a distance of 257.39 feet to the point of beginning.

Said lands situate lying and being in the city of Margate, Broward County, Florida, contain 653,413 square feet (15.1151 acres), more or less.

1. This survey reflects by this plat actually made upon the ground on October 21, 2004, that the attached plat of survey is made at least in accordance with the minimum standards established by the State of Florida for surveyors and the "Minimum Standard Requirements for ALTA/ACSM Land 'The Survey' Jointly established and adopted by ALTA and ACSM in 1990, that pursuant to the Accuracy Standards as adopted by ALTA, NSI and ACSM and in effect on the date of this certification, the survey reflects results comparable to outlined in the "Minimum Accuracy, Distance and Closure Requirements for Survey Measurements Control Land Boundaries for ALTA/ACSM Land Title Survey", and contains items 4, 6, 7(a), (c), 8, 9, 10, and 11 of Table A thereto.
2. This survey correctly shows the location of all buildings, structures and improvements situated on the Premises.
3. All utilities serving the Premises enter through adjoining public streets and/or easements of record; that except as shown, there are no visible easements or rights of way over the Premises; that the property described hereon is the same as the property described in (C) Title Insurance Company Commitment No. 22040000 with an effective date of September 28, 2004 and that all easements, covenants and restrictions referenced in said title commitment and encumbrances which it purports to have been advised of has knowledge, have been hereon or otherwise noted as to their effect on the subject property.
4. There are no encroachments onto adjoining premises, streets or alleys by any buildings or other improvements located on the Premises, and no encroachments or Premises by buildings, structures or other improvements situated on adjoining premises as shown hereon.
5. Said described property is located within an area having a Zone Designation 120110119F, with an effective date of August 18, 1992, for Community Panel No. 120407 0119F, Broward County, State of Florida, which is the current Flood Insurance Rate Map community in which said Premises is situated.
6. The property has direct physical access to State Road 7 and NW 24th Street, street or highway.
7. The number of proposed parking spaces located on the subject property is 808 spaces, and 24 handicapped spaces to the extent possible, are graphically shown hereon.
8. All set back, side yard and rear yard lines and requirements shown or set for recorded plats and documents, and those set forth in applicable zoning ordinances, are hereon in tabular form.

Robert K. Kneak, F.S.B.
Florida Reg. Land Surveyor No. 46



SITE DATA	
TOTAL LAND AREA	580.4
MIN. DRAIN	26.1
DEVELOPER	10.1
RETAIL	178.4
OUT PATCHES	6.1
TOTAL	128.8

PARKING	
REQUIRED BY TRAFFIC	128.8
PROVIDED	128.8

TENANT'S IMPROVEMENTS

2484 N STATE ROAD 7
MARGATE, FLORIDA. 33063

C:\Users\Alex\Desktop\PROJECTS\CHRISTIAN ACERO\Picture.bmp

VICINITY PLAN

N.T.S.

CODE ANALYSIS:

FLORIDA BUILDING CODE 2014 5TH. EDITION
OCCUPANCY CLASSIFICATION: (A3) ASSEMBLY
CONSTRUCTION TYPE: (V)
UNPROTECTED

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE 5TH EDITION OF FBC 2014, THE DEPT. OF BUSINESS REGULATION STANDARDS, THE FLORIDA ADOPTION OF THE DISABILITY STANDARDS AND ALL LOCAL CODES.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD. NOTIFY ARCHITECT /ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
- PATCH ALL EXISTING FLOORS, CEILINGS & WALLS DAMAGED DURING CONSTRUCTION.
- WHEREVER NEW CONSTRUCTION MEETS EXISTING, MATCH MATERIALS IN COLORS AND THICKNESS.
- VERIFY ALL FINISH CONDITIONS WITH TONANT PRIOR TO INSTALLATION.
- THESE PLANS ARE BASED ON INFORMATION SUPPLIED BY TONANT. VERIFY ALL CONDITIONS IN FIELD.
- BUILDINGS WITH AUTOMATIC SPRINKLER SYSTEM: PROVIDE ENGINEERED SPRINKLER SHOP DRAWINGS FOR PERMIT. PROVIDE 30-SECOND FIRE EXTINGUISHER AT DOOR OUT AND 30-SECOND EXTINGUISHER IN VEHICLES UNLESS OTHERWISE NOTED BY FIRE DEPT. GENERAL CONTRACTOR SHALL OBTAIN ACCURATE LIABILITY INSURANCE, AND MAINTAIN SUCH UNTIL COMPLETION OF PROJECT.
- THE MEAN OF THESE DOCUMENTS IS TO RESOLVE ALL WORK AND ITEMS NECESSARY FOR THE PROPER COMPLETION OF THE WORK. THEREFORE, ALL ITEMS NECESSARY FOR THE COMPLETION OF WORK SHALL BE REQUIRED WHETHER OR NOT INDICATED ON PLANS OR CONSTRUCTION DOCUMENTS, BUT ARE REASONABLY INFERRABLE AS BEING NECESSARY TO PROVIDE INTENDED RESULTS.
- ALL MATERIALS SHALL BE NEW AND CODE APPROVED.
- ALL WORK SHALL BE PROPERLY COMPLETED. ALL WALLS SHALL BE FINISHED SMOOTH.

MILLWORK:

- ALL MILLWORK SHALL BE PLASTIC LAMINATE FINISH OVER 3/4" PLYWOOD ON ALL EXPOSED SURFACES. PROVIDE TONANT WITH SHOP DRAWINGS AND PLASTIC LAMINATE SAMPLES FOR APPROVAL.
- A COUNTERS SHALL HAVE 4" MIN. LAMINATED BACKSPASH. CAULK TO WALL.

WALLS:

PUBLIC AREAS: ALL WALLS SHALL BE PAINTED (COLOR AS SELECTED BY OWNER). ALL CHYMUM WALLS SHALL BE TAPE, TEXTURED AND SHALL RECEIVE TWO COATS OF PAINT. PAINT ALL UNLESS NOTED.

RESTROOMS: ALL WALLS TO RECEIVE CERAMIC TILE TO 4' AFF. PAINT ABOVE.

RESTROOM ACCESSORIES:

THESE SPECIFICATIONS ARE A GUIDE ONLY. TENANT MAY CHANGE WHERE CODE PERMITS. ANY DETAILS PROVIDED IN BODY OF PLANS SHALL SUPERSEDE ANY INDICATIONS MADE IN THESE SPECIFICATIONS. NOTIFY ARCHITECT OF ANY CONFLICTS.

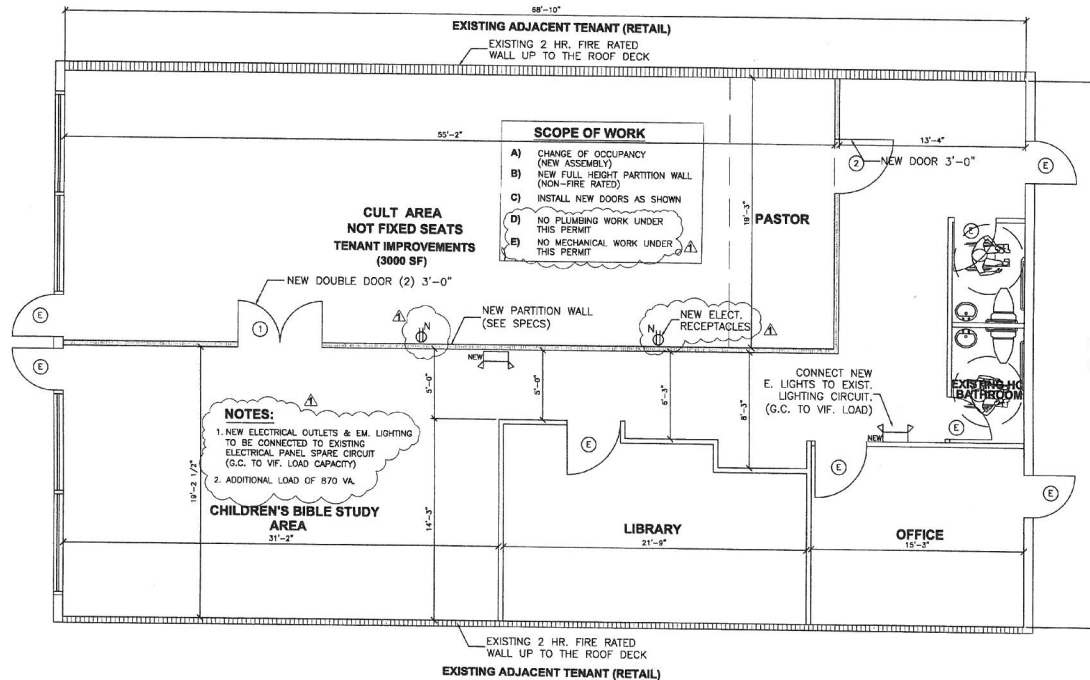
FLAME SPREAD GROUP:

- Class A Interior Finish. Flame spread 0-25, Smoke Developed 0-450. Any element thereof when do tested shall not continue to propagate fire.
- Class B Interior Finish. Flame spread 26-75, Smoke Developed 0-450.

MINIMUM INTERIOR FINISH CLASSIFICATION:

OCCUPANCY	UNSPRINKLERED		SPRINKLERED	
	Exit	Other	Exit	Other
	Access	Spaces	Access	Spaces
A	A	B	B	C
B	B	B	C	C
E	A	B	B	C
F	C	C	B	C
H	Sprinkler required		B	C
I	Restrained	A	C	A
J	Unrestricted	Sprinkler required	B	B
M	B	B	C	C
R2.4	B	B	C	C
S	C	C	C	C

CODE SUMMARY PER FBC
LEVEL OF ADOPTION: 5TH ED. FBC 2014.



EXISTING 2 HR. FIRE RATED WALL UP TO THE ROOF DECK

FLOOR PLAN

SCALE: 1/4"=1'-0"

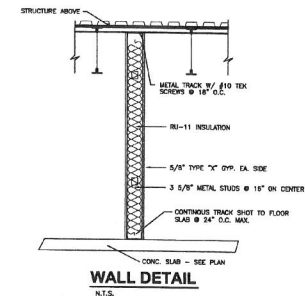
4" INTERIOR PARTITIONS (3-5/8" METAL STUDS @ 16" O.C. WITH ONE LAYER OF 5/8" GYP BOARD ON EACH SIDE WITH RU-11 INSULATION)

DRAWING INDEX

- A-1 PROPOSED FLOOR PLAN SCHEDULES & DETAILS
- A-2 LIFE SAFETY PLAN & SEATING PLAN

DOOR SCHEDULE

MARK	DESCRIPTION	SIZE	FINISH	TYPE	HARDWARE
1	EXISTING DOOR TO REMAIN	VARIES	VARIES	VARIES	VARIES
2	INTERIOR DOUBLE DOOR	6'-0" X 6'-8"	PAINTED	WOOD	AS PER OWNER
3	INTERIOR DOUBLE DOOR	3'-0" X 6'-8"	PAINTED	WOOD	AS PER OWNER



WALL DETAIL
N.T.S.

RAFAEL ARANGO
PE# 76021
16421 SAPPHIRE BEND
WESTON, FLORIDA. 33331
PHONE: (813) 524-7733

PRINCIPALS:

RAFAEL ARANGO
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SHEET TITLE:

FLOOR PLAN,
NOTES & DETAILS

PROJECT:
INTERIOR TENANT'S IMPROVEMENTS
2484 N. STATE ROAD 7
MARGATE FLORIDA. 33063

OWNER:

TS MARGATE CO LTD.
SOUTHERN MGMT & DEV.
4800 N FEDERAL HWY. STE D307
BOCA RATON FLORIDA 33431

CONTRACTOR:

CRISTIAN ACERO, MSC, CGC, EI.
ACECA CONSTRUCTION
7213 PINE BLUFF DRIVE
LAKE WORTH, FLORIDA 33467
PHONE: (561) 524-7733 FAX: (561) 771-1750

DATE: 09-09-15

SCALE: AS NOTED

DRAWN: ALBO

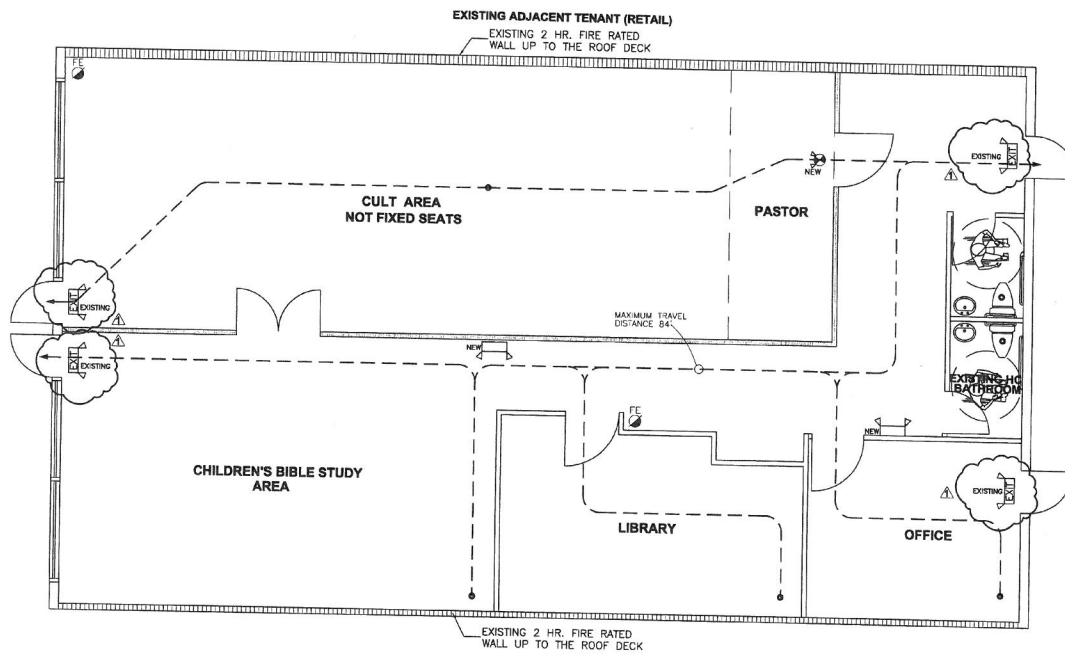
CHECKED: ACECA

JOB NO.

REVISIONS	DATE
1. CITY COMMENTS	09-09-2015

FILE: \ACECA\TENANT'S IMPROV...

A-1



LIFE SAFETY PLAN
SCALE: 1/4"=1'-0"

LEGEND

- ☼ SMOKE DETECTOR
- ☼ HORN STROBE
- ☼ PULL STATION
- ☼ EXIT SIGN / EMERGENCY LIGHT
- ☼ EMERGENCY BATTERY PACK
- ☼ HEAT / SMOKE STROBE
- ☼ 10# ABC FIRE EXTINGUISHER (TYP.)
- ☼ PATH OF TRAVEL
- ☼ PATH OF TRAVEL EM. LIGHT

LIFE SAFETY REQUIREMENTS

OCCUPANCY CLASSIFICATION
OCCUPANCY CATEGORY
CONSTRUCTION TYPE TYPE V (SPRINKLER PROTECTED)

OCCUPANT LOAD CALCULATION:

SPACE / OCCUPANCY TABULATION	AREA	OCCUPANTS
SEATING (NON-FIXED)	918 SQ. FT.	± 7 GROSS ±131
PASTOR AREA	144 SQ. FT.	± 15 GROSS ±10
OFFICE	183 SQ. FT. ± 100 GROSS	± 2
CHILDREN CLASSROOM	800 SQ. FT. ± 20 GROSS	± 30
LIBRARY	272 SQ. FT. ± 20 GROSS	± 13
TOTAL OCCUPANCY		± 188
TOTAL BUILDING COVERAGE AREA	3,000 SQ. FT.	188 OCCUPANTS

NOTES:

- A.) EGRESS WIDTH PER OCCUPANT (0.2') (188) = 37" (PROPOSED 60" - HALLWAYS)
- B.) MAXIMUM TRAVEL DISTANCE TO EXITS ALLOWED= 250' (84' PROVIDED)
- C.) MINIMUM NUMBER OF EXITS FOR 188 OCCUPANTS = 2 EXITS (2 EXITS PROVIDED)
- D.) ALL HALLWAYS, RAMP, LANDINGS AND ACCESS ROUTES MEET THE MINIMUM REQUIREMENTS OF THE FLORIDA BUILDING CODE 2014- 5TH EDITION CHAPTER 11 OF THE ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

RAFAEL ARANGO
PE# 76021
16421 SAPPHIRE BEND
WESTON, FLORIDA 33331
PHONE (881) 514-7733

PRINCIPALS:

■ RAFAEL ARANGO
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SHEET TITLE:

LIFE SAFETY PLAN

PROJECT:
INTERIOR TENANT'S IMPROVEMENTS
2484 N. STATE ROAD 7,
MARGATE FLORIDA, 33063

OWNER:

TS MARGATE CO LTD.
SOUTHERN MGMT & DEV.
4800 N FEDERAL HWY. STE D307
BOCA RATON FLORIDA 33431

CONTRACTOR:
CRISTIAN ACERO, MSC, CGC, EI.
ACECA CONSTRUCTION
7213 PINE BLUFF DRIVE
LAKE WORTH, FLORIDA 33467
PHONE (881) 514-7733 FAX (881) 771-1780

DATE: 09-09-15
SCALE: AS NOTED
DRAWN: ALBO
CHECKED: VG
JOB NO.

REVISIONS	DATE
1. CITY COMMENTS	09-09-2015
2. CITY COMMENTS	10-22-2015

FILE: \ACECA\TENANT'S IMPROV...

NOTES:

1. FOR NEW LIGHTING SCHEDULE SEE DRAWING E-3.

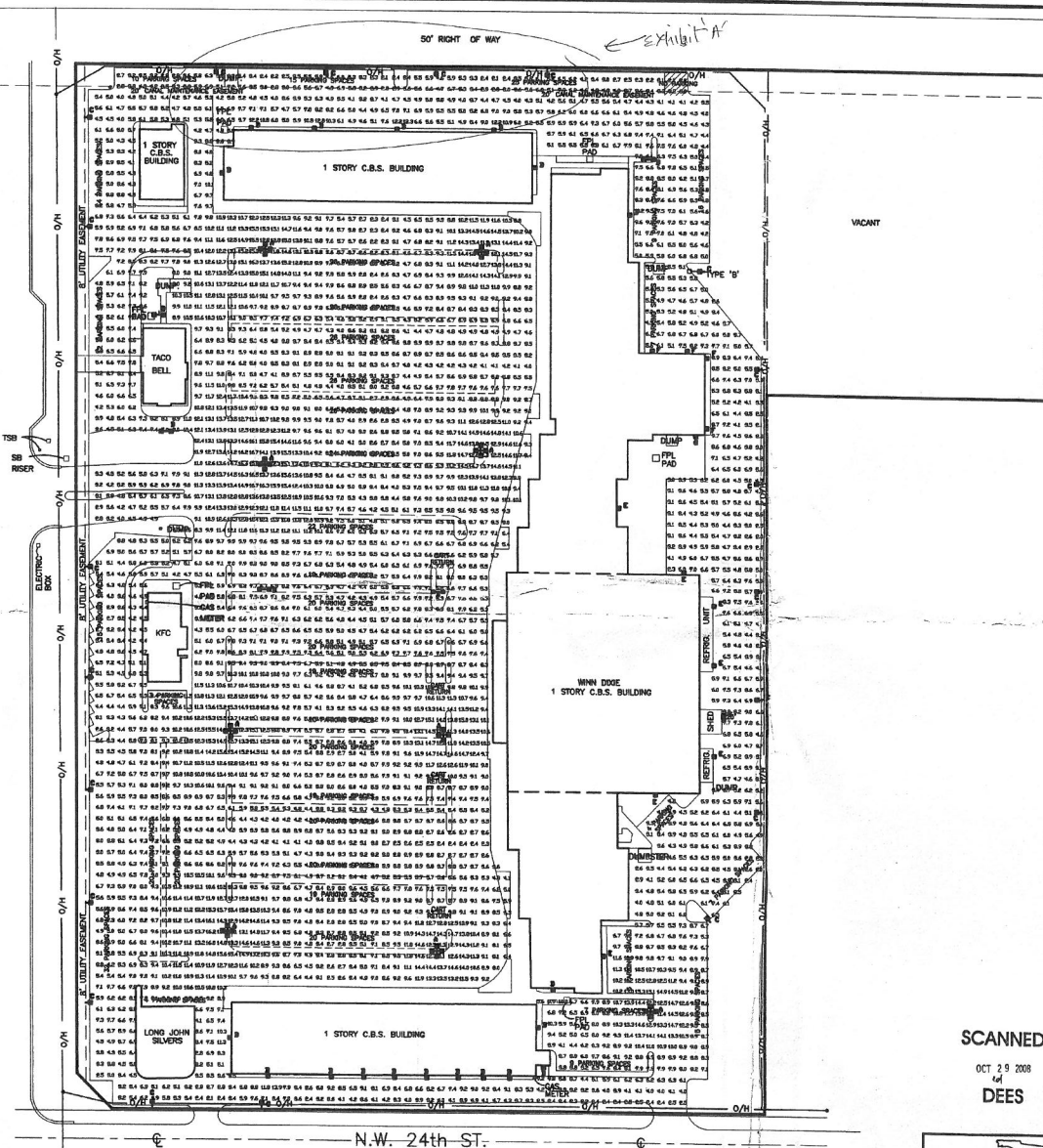
Qty	Label	Description	LLF	Lumens
9	A	COOPER # GSH-AM-1000-WH-RY-AS-FG / MOUNTED AT 40' AFG	0.720	110000
9	B	COOPER # GSH-AM-1000-WH-RY-AS-FG / MOUNTED AT 40' AFG	0.720	110000
20	C	COOPER # GSH-AM-1000-WH-RY-AS-FG / MOUNTED AT 40' AFG	0.720	110000
19	D	COOPER # GSS-AM-175-WH-RY-SL-FG / WALL MTD AT 20' AFG	0.720	14000
8	E	COOPER # GSS-AM-175-WH-RY-SL-FG / WALL MTD AT 20' AFG	0.720	14000
4	F	COOPER # GSS-AM-175-WH-RY-SL-FG / WALL MTD AT 19' AFG	0.720	14000
1	G	COOPER # GSS-AM-175-WH-RY-SL-FG / WALL MTD AT 16' AFG	0.720	14000

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING AREAS	Illuminance	Fc	7.59	16.7	2.0	3.55	8.35
PROPERTY LINE	Illuminance	Fc	6.58	2.4	0.1	5.80	24.00

Filenamer Sht_013107.a32

PROPERTY LINE CALCULATIONS MEASURED AT 6' AFG

U.S. HIGHWAY NO. 441 (STATE ROAD 7)



SCANNED

OCT 29 2008
DEES



840 US HWY 1 SUITE 320
NORTH PALM BEACH, FL 33409
CA 785
TEL 561-627-4912
FAX 561-627-4917
TECHNO
ENGINEERING, INC.

NO.	DATE	BY	DESCRIPTION

SCALE	AS NOTED	DATE
DESIGNED BY: M.A.C.	DATE: 10/29/08	
DRAWN BY: T.A.C.	DATE: 10/29/08	
CHECKED BY: M.A.C.	DATE: 10/29/08	
DATE: 10/29/08		

TOWN SHOPPES OF MARGATE
PARKING LOT LIGHTING DESIGN
CITY OF MARGATE
BROADWAY CO., FLA.

PH-1

OF

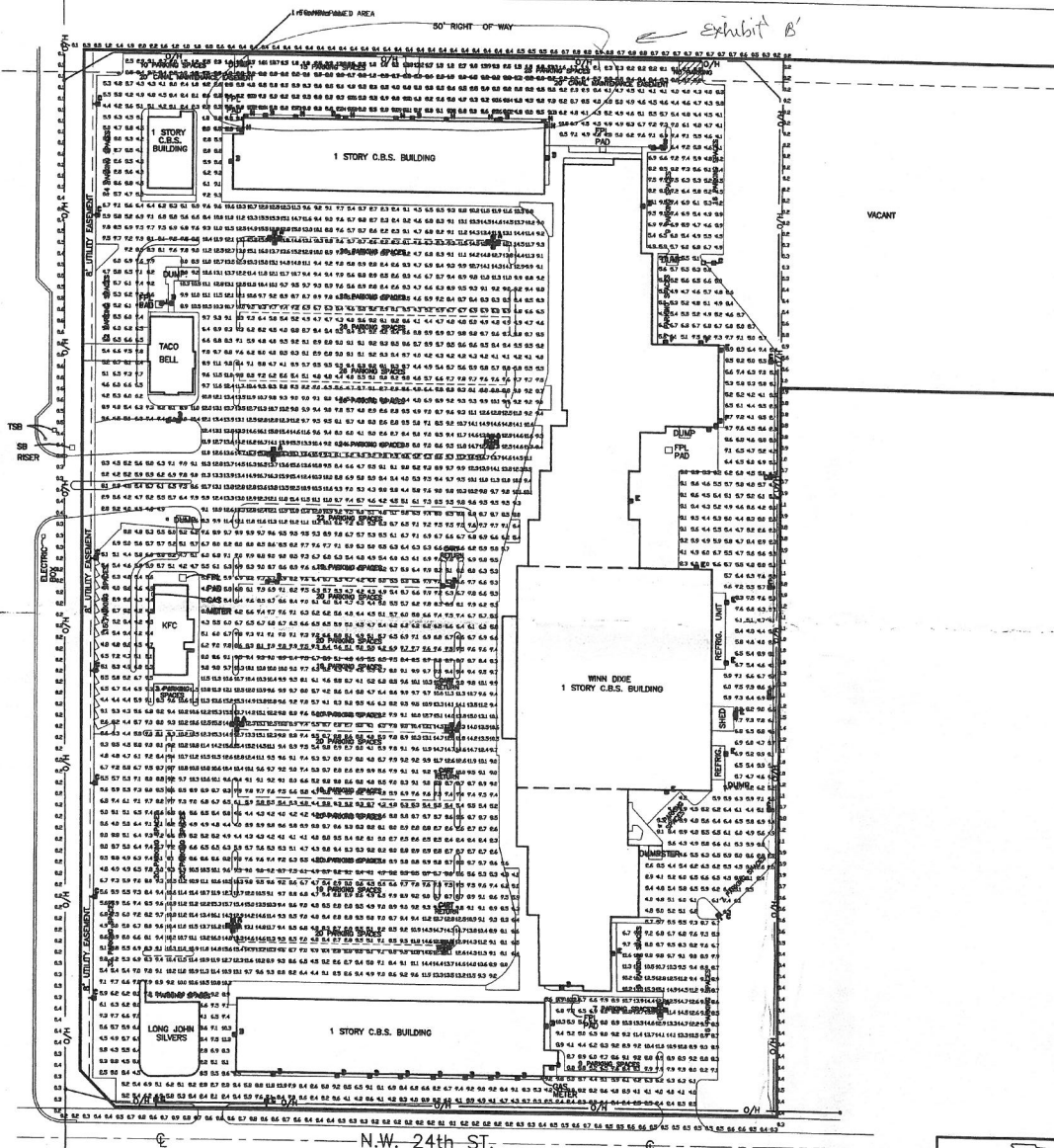
1. FOR NEW LIGHTING SCHEDULE SEE DRAWING E-3.

Luminaire Schedule					
Qty	Label	Description		LLF	Lumens
9	A	COOPER -- GSH-AM-1000-MH-MT-AS-FG / MOUNTED AT 40' AFG		0.720	110000
5	B	COOPER -- GSH-AM-1000-MH-MT-AS-FG / MOUNTED AT 40' AFG		0.720	110000
5	C	COOPER -- GSH-AM-1000-MH-MT-SL-FG / MOUNTED AT 40' AFG		0.720	110000
19	D	COOPER -- GSS-AM-175-MH-MT-SL-FG / WALL MTD AT 11' AFG		0.720	14000
18	E	COOPER -- GSS-AM-175-MH-MT-SL-FG / WALL MTD AT 20' AFG		0.720	14000
4	F	COOPER -- GSS-AM-175-MH-MT-SL-FG / WALL MTD AT 13' AFG		0.720	14000
1	G	COOPER -- GSS-AM-175-MH-MT-SL-FG / WALL MTD AT 16' AFG		0.720	14000
9	H	MHMH-X-VF-400 / RUF MOUNTED AT 12' AFF			56000

Numeric Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.51	2.2	0.1	5.16	22.00
PARKING AREAS - 2 FC MIN	Illuminance	Fc	7.16	16.8	2.0	3.58	8.35
PARKING AREA - 1 FC MIN BEHIND 1 STORY CBS BLDG. ON NORTH SIDE OF SHOPPING CENTER	Illuminance	Fc	4.17	19.6	1.2	3.48	16.33

Filename: Site_051807.a32

PROPERTY LINE CALCULATIONS MEASURED AT 6' AFG
ISO-FOOTCANDLE VALUES AT .5 FC, 1FC, & 2FC



N.W. 24th ST.

PROPOSED LIGHTING PLAN
SCALE: 1"=50'-0"



**TOWN SHOPES OF MARGATE
PARKING LOT LIGHTING DESIGN**

SHEET
PH-1

10

10

**TECHNO
ENGINEERING INC**

**840 US Hwy 1, SUITE 320
NORTH PALM BEACH, FL 33408**

**CA: 7195
TEL: (561) 627-8112
FAX: (561) 627-1171**

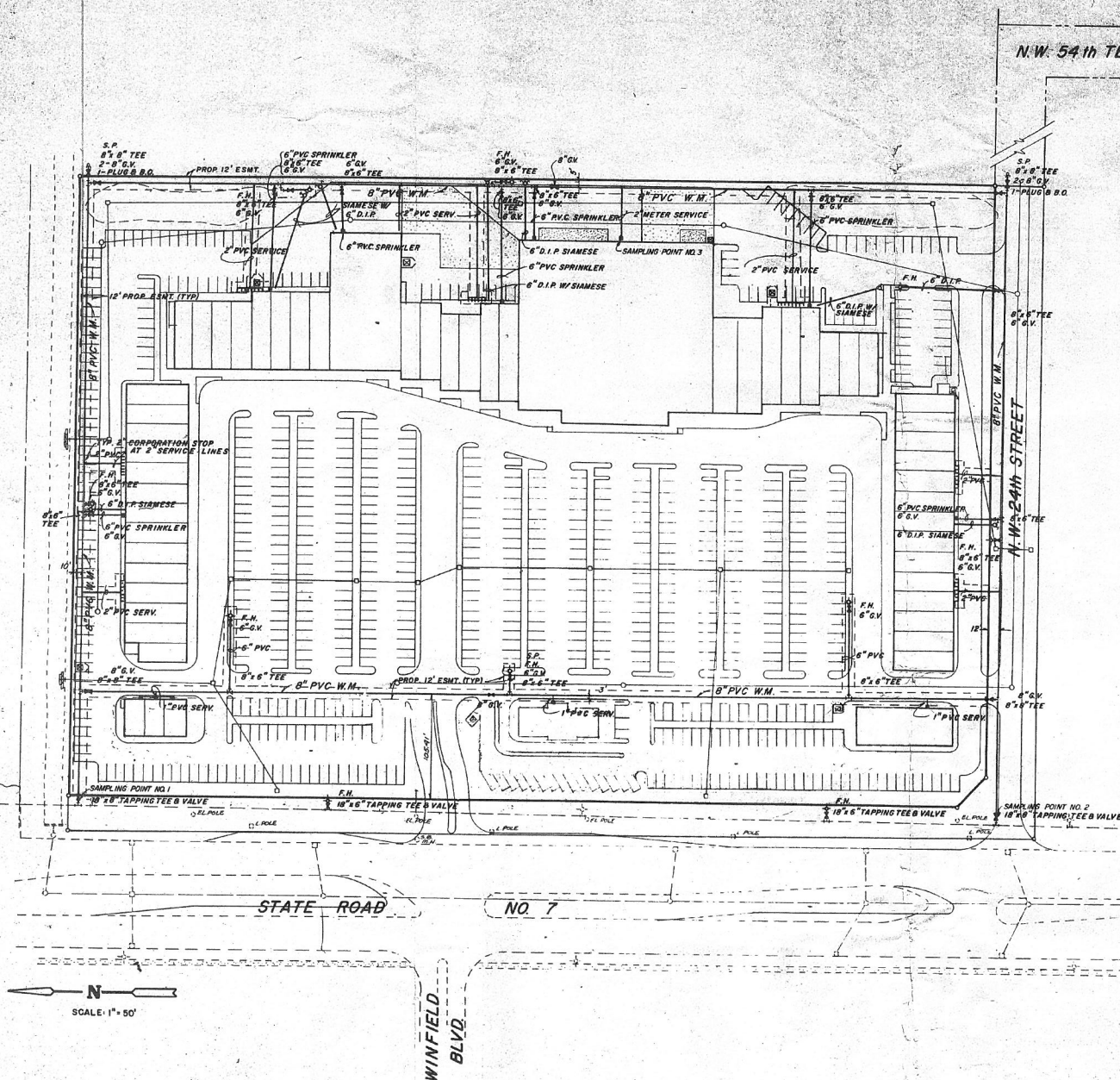
[illegible]

SCALE	AS NOTED
DESIGNED BY:	M.K.D.
DRAWN BY:	T.K.S.
CHECKED BY:	M.K.D.
DATE	5/21/07
ORDER NO. _____ SEAL: _____ NAZEE DUHANSHAH, P.E. ELECTRICAL ENGINEER P.E. NO. 49002	

**TOWN SHOPPES OF MARGATE
PARKING LOT LIGHTING DESIGN**

SHEET
PH-1

OF



WATER SYSTEM NOTES

1) All construction and materials to be in accordance with City of Margate, Water and Wastewater specifications.

2) P.V.C. Water main to be 1120 S.D.R. 18 conforming to A.W.W.A. C900-81 with a minimum cover of 36".

TESTING / WATER MAINS

Water mains shall be tested in accordance with A.W.W.A. Standard C600-82.

1) Hydrostatic tests shall be conducted as follows:
After a new pressure main has been laid and backfilled, it shall be pumped to a pressure of 125 PSI and shall not vary by more than ± 5 PSI for the duration of the test. All visible leaks shall be stopped by approved methods.

A leakage test shall then be conducted at the above mentioned pressure and no installation will be acceptable until the leakage is less than the number of gallons per hour as determined by the formula:

$$L = \frac{SD \sqrt{P}}{133,200} \quad (\text{A.W.W.A. C600-82 Standard})$$

In which L equals the allowable leakage in gallons per hour; S = Length of line in feet; D = Diameter of lines in inches; and P is the average test pressure during the leakage test, in pounds per square inch. The test shall be maintained for a two (2) hour duration, but it may be continued for one (1) additional hour if it becomes apparent that the leakage is equal to or greater than the amount allowable. Water supplied to the main 5/8 inch meter installed on the discharge side of the test pump, or by piping from a calibrated container. A hose bibb connection will be provided to accept the test gauge supplied by Broward County. The section of main being tested shall be limited to a maximum length of 2,000 feet, or the distance between the two (2) closest valves, whichever is greater. When testing against closed metal-tested valves, an additional leakage per closed valve of 0.00078 gal/hr/in. of nominal valve size shall be allowed. Any questions pertaining to procedures used during the test shall be decided by the Engineer.

2) Sterilization shall be performed after the water mains have satisfied the leakage requirements. The water mains shall be flushed through openings of the required size as detailed in A.W.W.A. Standard C601-81. The main shall then be sterilized in accordance with the provisions of the applicable sections of the above named specifications. On main breaks, cut-ins, etc., a liberal application of calcium hypochlorite shall be made.

Mains shall not be put into domestic service until after the necessary bacteriological samples have been approved by the applicable regulatory agencies.

TESTING / WATER SERVICE

1) **HYDROSTATIC TESTING:** Hydrostatic testing of water service lines shall be done in conjunction with the testing of the lateral or main line. No additional leakage allowance will be made for service lines.

2) **STERILIZATION:** Sterilization of service lines shall be done in conjunction with the sterilization of the lateral or main line. Sufficient sampling points shall be taken from service line connections to assure uniform results throughout the system being tested.

All fire lines to be installed and tested per N.F.P.A. 24 Code. Contractor to take note that pressure test on this line will be at 250 psi, and pipe and valves should meet this requirement.

- NOTES**
- 1) Sewer piping shall be laid at least 10 feet horizontally from any existing or proposed water mains.
 - 2) A vertical distance of at least 18 inches should be maintained when a sewer pipe crosses under a water main. If this is not possible, then the sewer pipe must be encased in concrete with a minimum thickness of 6" for a distance of 20 feet centering on the point of crossing or the sewer piping must be of D.I.P. with 18 foot lengths of pipe centering on the point of crossing.
 - 3) If a crossing where the sewer is laid above a water line is unavoidable, then the above mentioned precautions shall be observed regardless of the distance of vertical separation between water mains and sewer piping.
 - 4) The location of all existing utilities shown on the plans are approximate only and are based on all available information, except where shown otherwise. Additional utilities may exist which are not shown on the plans. The Contractor shall be responsible for the location of all existing utilities. The Contractor shall verify all utilities, by electronic methods and by hand excavation in coordination with all utility companies, prior to beginning any construction operations. Any and all conflicts of existing utilities with proposed improvements shall be resolved by the Engineer and the Owner prior to beginning any construction operations. This work by the Contractor shall be considered incidental to the contract and no additional compensation shall be allowed.
 - 5) Six (6) water meter for sprinkler lines to be turbine type by Precipitous Meters, Inc. Model W.P.H. or equal as approved by the Engineer and the City of Margate. Contractor to supply meter and obtain approved shop drawings prior to construction. (to be sealed at 200 P.S.I.)
 - 6) S.D. stands for Standard Pipe.

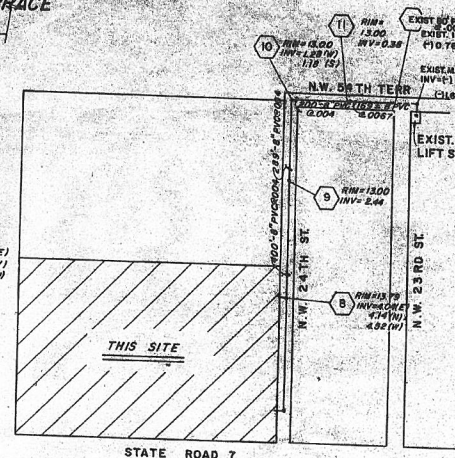
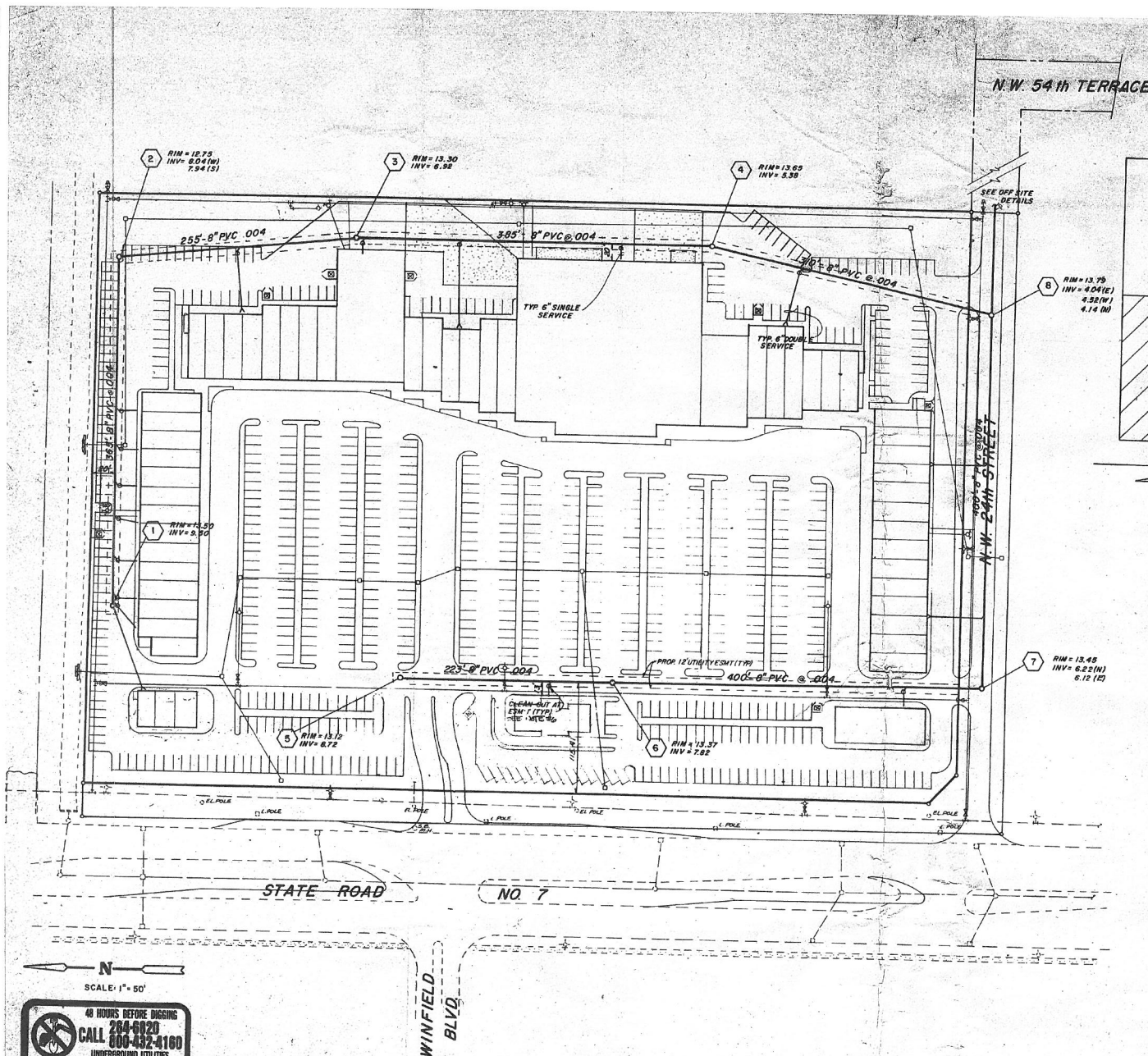
KEITH AND SCHNABER RA
REGISTERED PLANNERS - SURVEYORS
THIS PLAN WAS PREPARED BY
THIS FIRM ON FEBRUARY 19, 1986

**TOWNE SHOPS OF MARGATE
WATER DISTRIBUTION SYSTEM**

goldenholz,fischer architects phone 300 w. 6th ave. ste 50 fort Lauderdale, FL 33309

DATE	7-10-86 PERMIT
SCALE	AS SHOWN
DESIGNED BY	KEITH AND SCHNABER RA
CHECKED BY	KEITH AND SCHNABER RA
IN CHARGE	KEITH AND SCHNABER RA
PROJECT NO.	
SHEET NO.	1-1





- NOTES**
- 1) Sewer piping shall be laid at least 10 feet horizontally from any existing or proposed water mains.
 - 2) A vertical distance of at least 18 inches should be maintained when a sewer pipe crosses under a water main. If this is not possible, then the sewer pipe must be encased in concrete with a minimum thickness of 4". For a distance of 20 feet centering on the point of crossing, the sewer piping must be of D.V.P. with 18 foot lengths of pipe centering on the point of crossing.
 - 3) If a crossing where the sewer is laid above a water line is unavoidable, then the above mentioned precautions shall be observed regardless of the distance of vertical separation between water mains and sewer piping.
 - 4) The location of all utilities shown on the plans are approximate only and are based on as-built information, except for above-ground utilities. Additional utilities may exist which are not shown on the plans. The Contractor shall be responsible for the location of all existing utilities. The Contractor shall verify all utilities, by electronic methods and by hand excavation in coordination with all utility companies, prior to beginning any construction operations. Any and all conflicts of existing utilities with proposed improvements shall be resolved by the Engineer and the Owner prior to beginning any construction operations. This work by the Contractor shall be considered incidental to the contract and no additional compensation shall be allowed.
 - 5) Contractor to coordinate Sewer Service inverts at building with plumber.
 - 6) SUBSTANTIAL IS TO HAVE GROUND TRAP & REMOVING OIL TO REMOVED INCLOSURE

48 HOURS BEFORE DIGGING
CALL 264-6820
CALL 600-432-4160
UNDERGROUND UTILITIES
NOTIFICATION CENTER

KEITH AND SON, INC.
ENGINEERS & PLANNERS
1115 N.E. 3RD AVENUE
TALLAHASSEE, FL 32304
781-3844

**TOWNE SHOPS OF MARGATE
SANITARY SEWER SYSTEM**

goldenholz-fischer

DATE	7-10-84 PERMIT
6-13-85	CITY OF MARGATE
6-13-85	MANHOLE CLEARANCE
6-13-85	MANHOLE CLEARANCE
PROJECT NO.	
SHEET NO.	C-3



ROBERT L. MOORE, P.E.
REGISTERED PROFESSIONAL ENGINEER
NO. 22786
FOR THE FIRM

