DOOR SCHEDULE

MARK	DESCRIPTION	SIZE			MATERIAL		REMARKS
		W	H	T	DOOR	FRAME	
Ⓐ	EXTERIOR DOOR	3'-0"	6'-8"	1 ¾"	WOOD	WOOD	N-1
Ⓑ	SLIDING DOOR	3'-0"	6'-8"	1 ¾"	ALUM/GLASS	METAL	N- 3
Ⓒ	INTERIOR DOOR	3'-0"	6'-8"	1 ¾"	WOOD	WOOD	
Ⓓ	BI-FOLDS	2'-6"	6'-8"	1 ¾"	METAL	WOOD	N-4
Ⓔ	BI-FOLDS	2'-0"	6'-8"	1 ¾"	WOOD	WOOD	N-4
Ⓕ	BI-FOLDS	3'-0"	6'-8"	1 ¾"	WOOD	WOOD	N-4
Ⓖ	BI-FOLDS	2'-6"	6'-8"	1 ¾"	WOOD	WOOD	N-4
Ⓗ	INTERIOR DOOR	2'-6"	6'-8"	1 ¾"	WOOD	WOOD	

NOTES:

1. OPEN TO OUTSIDE
2. ONE HOUR FIRE RATED W/ METAL CLAD BACKING
3. GLASS ¼" THICK SAFETY GLASS CATEGORY CLASS II
4. LOUVERED DOOR
5. HANDICAP ACCESS AND HARDWARE
6. OVERHEAD DOOR SUBMIT D.C. P.C. APPROVAL
7. IMPACT RESISTANT GLASS DOOR

SAFETY NOTES FOR DOORS

(CLOSETS AND BATHROOMS)
(21-2,4,3) EVERY CLOSET DOOR LATCH SHALL BE SUNCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET

(21-2,4) EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO PERMIT THE OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN AN EMERGENCY.

WINDOW SCHEDULE

MARK	DESCRIPTION	SIZE		MATERIAL	AREA	REMARKS
		W	H			
①	HR 4141 EGRESS	53 1/8"	50 5/8"	ALUMINUM/GLASS	18.4 SQ.FT.	N- 4, 6
②	HR 2121	26 1/2"	26 "	ALUMINUM/GLASS	4.7 SQ.FT.	N-3, 6

NOTES:
1- WITH ARCH ON TOP
2- ALL GLASS SHALL BE TINTED
3- TEMPERED GLASS (SAFETY GLASS CATEGORY CLASS 2)
4- EGRESS TYPE
5- SH (SINGLE HUNG)
6- HORIZONTAL ROLLING
7- SHUTTERED
8- COLONIAL

NOTE TERMITE PROTECTION (FBC.):

A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PETS CONTROL COMPANY THAT CONTAINS THE FO-LLOWING STATEMENT:
" THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES".

LEGEND:

NEW CBS WALLS

NEW PARTITION
3-⅝" x 25 ga METAL STUDS@ 16" OC
W/ 5/8" - X DRYWALL EACH SIDE

WOOD PROTECTION NOTE:

WOOD SUBJECT TO DAMAGE FROM BOTH DECAY AND TERMITES SHALL BE A NATURALLY DURABLE SPECIES RESISTANT TO TERMITES OR PRESERVATIVE-TREATED.

PRODUCT CONTROL APPROVAL AND SHOP DRAWING NOTES

ALL APPROVED SHOP DRAWINGS SHALL BE REVIEWED BY THE A/E OF RECORD AND SUBMITTED AND PROCESSED AT THE BUILDING DEPARTMENT.

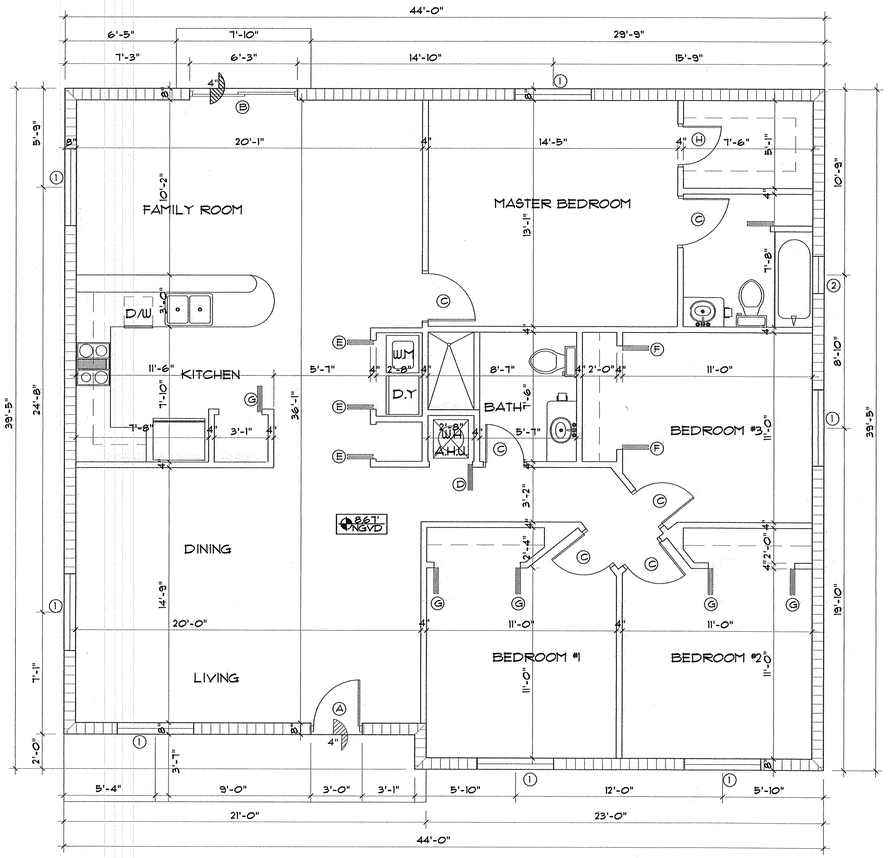
PRODUCT CONTROL APPROVAL AND SEPARATE BUILDING PERMITS SHALL BE REQUIRED

WINDOWS, DOORS & STORM SHUTTERS, WOOD TRUSSES, STEEL FRAME, RIDGE VENTILATION , SKYLIGHTS, STAIR & BALCONYS RAILING , FIRE EXFRINKLERS,GLASS WALLS & STOREFRONTS, ROOFING, AND ALL FENCES.

NOTE:

THE TEMPORARY INSTALLATION OR CLOSURE OF STORM SHUTTERS, PANEL,AND OTHER APPROVED HURRICANE PROTECTION DEVICES SHALL BE PERMITTED ON EMERGENCY ESCAPE AND RESCUE OPENING DURING THE THREAT OF A STORM.THE EMERGENCY ESCAPE AND RESCUE OPENING SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

NORTH



FLOOR PLAN

SC 1/4"=1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE.
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: FLOOR PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

A-1

DOOR SCHEDULE

MARK	DESCRIPTION	SIZE			MATERIAL		REMARKS
		W	H	T	DOOR	FRAME	
(A)	EXTERIOR IMPACT DOOR	3'-0"	6'-8"	1 3/4"	WOOD	WOOD	N-1
(B)	SLIDING DOOR	3'-0"	6'-8"	1 3/4"	ALUM/GLASS	METAL	N- 3
(C)	INTERIOR DOOR	3'-0"	6'-8"	1 3/4"	WOOD	WOOD	
(D)	BI-FOLDS	2'-6"	6'-8"	1 3/4"	METAL	WOOD	N-4
(E)	BI-FOLDS	2'-0"	6'-8"	1 3/4"	WOOD	WOOD	N-4
(F)	BI-FOLDS	3'-0"	6'-8"	1 3/4"	WOOD	WOOD	N-4
(G)	BI-FOLDS	2'-6"	6'-8"	1 3/4"	WOOD	WOOD	N-4
(H)	INTERIOR DOOR	2'-6"	6'-8"	1 3/4"	WOOD	WOOD	

NOTES:
1. OPEN TO INSIDE
2. ONE HOUR FIRE RATED W/ METAL CLAD BACKING
3. GLASS 1/4" THICK SAFETY GLASS CATEGORY CLASS II
4. LOUVERED DOOR
5. HANDICAP ACCESS AND HARDWARE
6. OVERHEAD DOOR SUBMIT D.C. P.C. APPROVAL
7. IMPACT RESISTANT GLASS DOOR

SAFETY NOTES FOR DOORS

(CLOSETS AND BATHROOMS)
(21-2,4,3) EVERY CLOSET DOOR LATCH SHALL BE SUNCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET

(21-2,4) EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO FERMIT THE OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN AN EMERGENCY.

WINDOW SCHEDULE

MARK	DESCRIPTION	SIZE		MATERIAL	AREA	REMARKS
		W	H			
(1)	HR 4141 EGRESS	53 1/8"	50 5/8"	ALUMINUM/GLASS	18.4 SQFT.	N- 4, 6
(2)	HR 2121	26 1/2"	26 "	ALUMINUM/GLASS	4.7 SQFT.	N-3, 6

NOTES:
1- WITH ARCH ON TOP
2- ALL GLASS SHALL BE TINTED
3- TEMPERED GLASS (SAFETY GLASS CATEGORY CLASS 2)
4- EGRESS TYPE
5- SH (SINGLE HUNG)
6- HORIZONTAL ROLLING
7- SHUTTERED
8- COLONIAL

NOTE TERMITE PROTECTION (FBC.):

A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PETS CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT:
" THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES".

LEGEND:

NEW CBS WALLS

NEW PARTITION
3-5/8" x 25 ga METAL STUDS@ 16" OC
W/ 5/8" - X DRYWALL EACH SIDE

WOOD PROTECTION NOTE:

WOOD SUBJECT TO DAMAGE FROM BOTH DECAY AND TERMITES SHALL BE A NATURALLY DURABLE SPECIES RESISTANT TO TERMITES OR PRESERVATIVE-TREATED.

PRODUCT CONTROL APPROVAL AND SHOP DRAWING NOTES

ALL APPROVED SHOP DRAWINGS SHALL BE REVIEWED BY THE A/E OF RECORD AND SUBMITTED AND PROCESSED AT THE BUILDING DEPARTMENT.

PRODUCT CONTROL APPROVAL AND SEPARATE BUILDING PERMITS SHALL BE REQUIRED

WINDOWS, DOORS & STORM SHUTTERS± WOOD TRSSES± STEEL FRAME, RIDGE VENTILATION , SKYLIGHTS, STAIR & BALCONY'S RAILING , FIRE EXPRINKLERS,GLASS WALLS & STOREFRONTS, ROOFING, AND ALL FENCES.

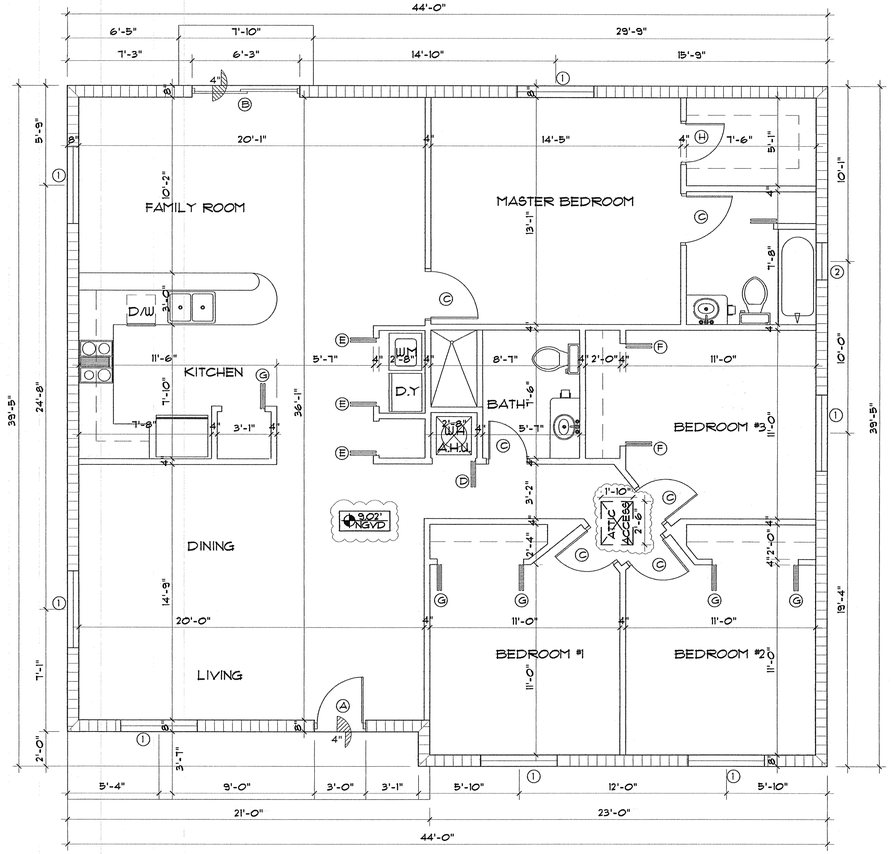
NOTE:

THE TEMPORARY INSTALLATION OR CLOSURE OF STORM SHUTTERS, PANEL,AND OTHER APPROVED HURRICANE PROTECTION DEVICES SHALL BE PERMITTED ON EMERGENCY ESCAPE AND RESCUE OPENING DURING THE THREAT OF A STORM.THE EMERGENCY ESCAPE AND RESCUE OPENING SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

BATH FINISH NOTE

BATHTUB AND SHOWER FLOOR AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.

NORTH



FLOOR PLAN

SC 1/4"=1'

REVISIONS:
REV.1
REV.2
REV.3

ADONAI design & consult, Inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 11721 SW 228 ST
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33155
PHONE: (305) 441-1365

Job No.: FLOOR PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

A-1

DOOR SCHEDULE

MARK	DESCRIPTION	SIZE			MATERIAL		REMARKS
		W	H	T	DOOR	FRAME	
(A)	EXTERIOR IMPACT DOOR	3'-0"	6'-8"	1 ¾"	WOOD	WOOD	N-1
(B)	SLIDING DOOR	3'-0"	6'-8"	1 ¾"	ALUM/GLASS	METAL	N- 3
(C)	INTERIOR DOOR	3'-0"	6'-8"	1 ¾"	WOOD	WOOD	
(D)	BI-FOLDS	2'-6"	6'-8"	1 ¾"	METAL	WOOD	N-4
(E)	BI-FOLDS	2'-0"	6'-8"	1 ¾"	WOOD	WOOD	N-4
(F)	BI-FOLDS	3'-0"	6'-8"	1 ¾"	WOOD	WOOD	N-4
(G)	BI-FOLDS	2'-6"	6'-8"	1 ¾"	WOOD	WOOD	N-4
(H)	INTERIOR DOOR	2'-6"	6'-8"	1 ¾"	WOOD	WDOD	

NOTES:

1. OPEN TO INSIDE
2. ONE HOUR FIRE RATED W/ METAL CLAD BACKING
3. GLASS ¼" THICK SAFETY GLASS CATEGORY CLASS II
4. LOUVERED DOOR
5. HANDICAP ACCESS AND HARDWARE
6. OVERHEAD DOOR SUBMIT D.C. P.C. APPROVAL
7. IMPACT RESISTANT GLASS DOOR

SAFETY NOTES FOR DOORS

(CLOSETS AND BATHROOMS)
(21-2,4,3) EVERY CLOSET DOOR LATCH SHALL BE SUNCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET

(21-2,4) EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO PERMIT THE OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN AN EMERGENCY.

WINDOW SCHEDULE

MARK	DESCRIPTION	SIZE		MATERIAL	AREA	REMARKS
		W	H			
(1)	HR 4141 EGRESS	53 1/8"	50 5/8"	ALUMINUM/GLASS	18.8SQFT.	N- 4, 6
(2)	HR 2121	26 1/2"	26 "	ALUMINUM/GLASS	4.7SQFT.	N-3, 6

NOTES: 1- WITH ARCH ON TOP
2- ALL GLASS SHALL BE TINTED
3- TEMPERED GLASS (SAFETY GLASS CATEGORYCLASS 2)
4- EGRESS TYPE
5- SH (SINGLE HUNG)
6- HORIZONTAL ROLLING
7- SHUTTERED
8- COLONIAL

NOTE TERMITE PROTECTION (FBC.)

A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PETS CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT:
" THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES".

WOOD PROTECTION NOTE:

WOOD SUBJECT TO DAMAGE FROM BOTH DECAY AND TERMITES SHALL BE A NATURALLY DURABLE SPECIES RESISTANT TO TERMITES OR PRESERVATIVE-TREATED.

PRODUCT CONTROL APPROVAL AND SHOP DRAWING NOTES

ALL APPROVED SHOP DRAWINGS SHALL BE REVIEWED BY THE A/E OF RECORD AND SUBMITTED AND PROCESSED AT THE BUILDING DEPARTMENT.

PRODUCT CONTROL APPROVAL AND SEPARATE BUILDING PERMITS SHALL BE REQUIRED

WINDOWS, DOORS & STORM SHUTTERS: WOOD TRSSES: STEEL FRAME, RIDGE VENTILATION , SKYLIGHTS, STAIR & BALCONYS RAILING , FIRE EXPRINKLERS;GLASS WALLS & STOREFRONTS, ROOFING, AND ALL FENCES.

NOTE:

THE TEMPORARY INSTALLATION OR CLOSURE OF STORM SHUTTERS, PANEL,AND OTHER APPROVED HURRICANE PROTECTION DEVICES SHALL BE PERMITTED ON EMERGENCY ESCAPE AND RESCUE OPENING DURING THE THREAT OF A STORM,THE EMERGENCY ESCAPE AND RESCUE OPENING SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

BATH FINISH NOTE

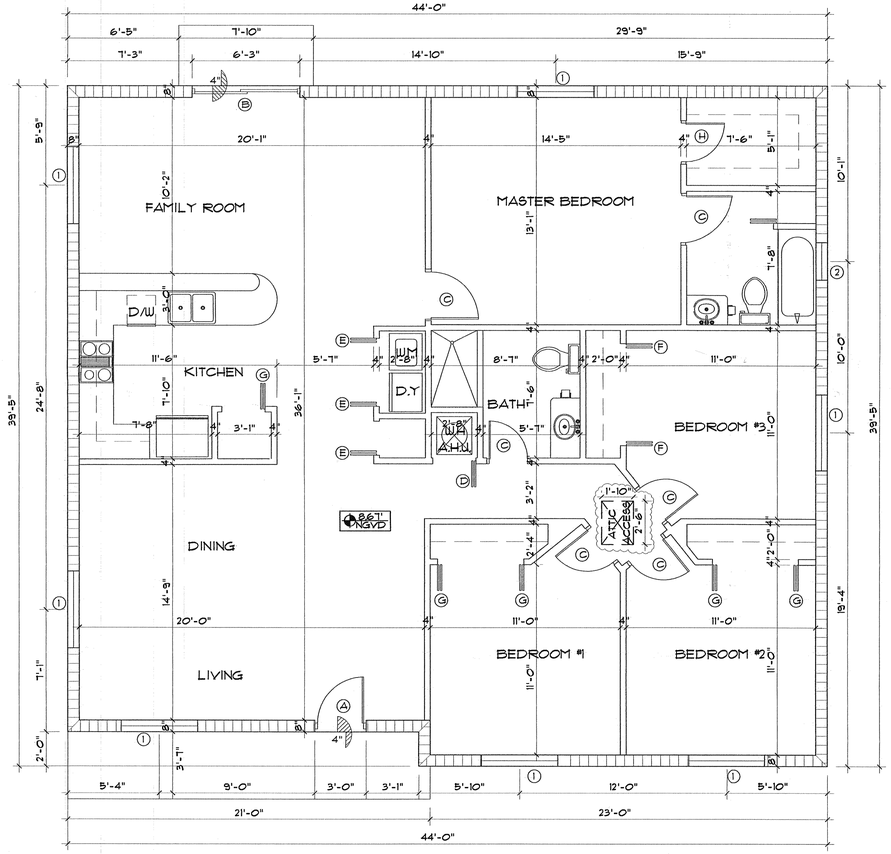
BATHTUB AND SHOWER FLOOR AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.

LEGEND:

NEW CBS WALLS

NEW PARTITION
3-⅝" x 25 ga METAL STUDS@ 16" OC
W/ 5/8" - X DRYWALL EACH SIDE

NORTH



FLOOR PLAN

SC 1/4"=1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const, Inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE

CLIENT: YAIMI DIAZ CAMPO

ADDRESS: 11721 SW 228 ST
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
MIAMI GARDENS,FL 33655
PHONE: (305) 441-1365

Job No.: FLOOR PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

A-1

DOOR SCHEDULE

MARK	DESCRIPTION	SIZE			MATERIAL		REMARKS
		W	H	T	DOOR	FRAME	
Ⓐ	EXTERIOR IMPACT DOOR	3'-0"	6'-8"	1 ["	WOOD	WOOD	N-1
Ⓑ	SLIDING DOOR	3'-0"	6'-8"	1 ["	ALUM/GLASS	METAL	N- 3
Ⓒ	INTERIOR DOOR	3'-0"	6'-8"	1 ["	WOOD	WOOD	
Ⓓ	BI-FOLDS	2'-6"	6'-8"	1 ["	METAL	WOOD	N-4
Ⓔ	BI-FOLDS	2'-0"	6'-8"	1 ["	WOOD	WOOD	N-4
Ⓕ	BI-FOLDS	3'-0"	6'-8"	1 ["	WOOD	WOOD	N-4
Ⓖ	BI-FOLDS	2'-6"	6'-8"	1 ["	WOOD	WOOD	N-4
Ⓗ	INTERIOR DOOR	2'-6"	6'-8"	1 ["	WOOD	WOOD	

NOTES:
1. OPEN TO INSIDE
2. ONE HOUR FIRE RATED W/ METAL CLAD BACKING
3. GLASS [" THICK SAFETY GLASS CATEGORY CLASS II
4. LOUVERED DOOR
5. HANDICAP ACCESS AND HARDWARE
6. OVERHEAD DOOR SUBMIT D.C. P.C. APPROVAL
7. IMPACT RESISTANT GLASS DOOR

SAFETY NOTES FOR DOORS

(CLOSETS AND BATHROOMS)
(21-2,4,3) EVERY CLOSET DOOR LATCH SHALL BE SUNCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET

(21-2,4) EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO PERMIT THE OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN AN EMERGENCY.

WINDOW SCHEDULE

MARK	DESCRIPTION	SIZE		MATERIAL	AREA	REMARKS
		W	H			
①	HR 4141 EGRESS	53 1/8"	50 5/8"	ALUMINUM/GLASS	18.4 SQ.FT.	N- 4, 6
②	HR 2121	26 1/2"	26 "	ALUMINUM/GLASS	4.7 SQ.FT.	N-3, 6

NOTES:
1- WITH ARCH ON TOP
2- ALL GLASS SHALL BE TINTED
3- TEMPERED GLASS (SAFETY GLASS CATEGORY CLASS 2)
4- EGRESS TYPE
5- SH (SINGLE HUNG)
6- HORIZONTAL ROLLING
7- SHUTTERED
8- COLONIAL

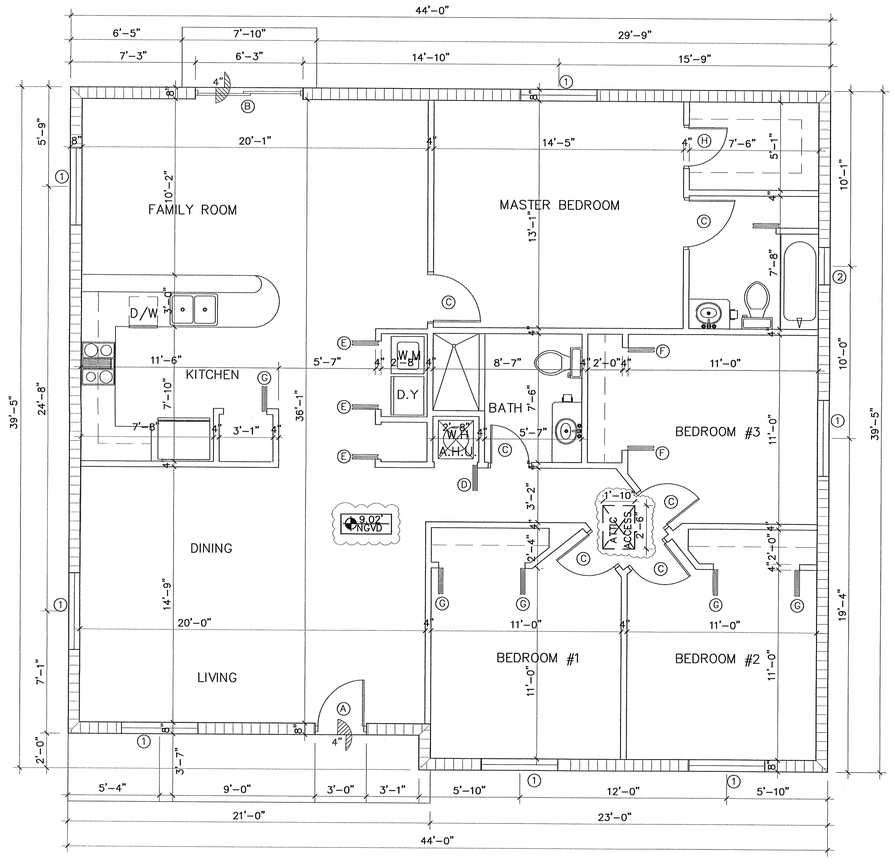
NOTE:

THE TEMPORARY INSTALLATION OR CLOSURE OF STORM SHUTTERS, PANEL,AND OTHER APPROVED HURRICANE PROTECTION DEVICES SHALL BE PERMITTED ON EMERGENCY ESCAPE AND RESCUE OPENING DURING THE THREAT OF A STORM.THE EMERGENCY ESCAPE AND RESCUE OPENING SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

NORTH

BATH FINISH NOTE

BATHTUB AND SHOWER FLOOR AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.



FLOOR PLAN

SC 1/4"=1'

NOTE TERMITE PROTECTION (FBC.):

A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PETS CONTROL COMPANY THAT CONTAINS THE FO-LLOWING STATEMENT:
" THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES".

LEGEND:

NEW CBS WALLS

NEW PARTITION
3-[" x 25 ga METAL STUDS@ 16" OC
W/ 5/8" - X DRYWALL EACH SIDE

WOOD PROTECTION NOTE:

WOOD SUBJECT TO DAMAGE FROM BOTH DECAY AND TERMITES SHALL BE A NATURALLY DURABLE SPECIES RESISTANT TO TERMITES OR PRESERVATIVE-TREATED.

PRODUCT CONTROL APPROVAL AND SHOP DRAWING NOTES

ALL APPROVED SHOP DRAWINGS SHALL BE REVIEWED BY THE A/E OF RECORD AND SUBMITTED AND PROCESSED AT THE BUILDING DEPARTMENT.

PRODUCT CONTROL APPROVAL AND SEPARATE BUILDING PERMITS SHALL BE REQUIRED

WINDOWS, DOORS & STORM SHUTTERS; WOOD TRSSES; STEEL FRAME, RIDGE VENTILATION , SKYLIGHTS, STAIR & BALCONYS RAILING , FIRE EXPRINKLERS,GLASS WALLS & STOREFRONTS, ROOFING. AND ALL FENCES.

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE

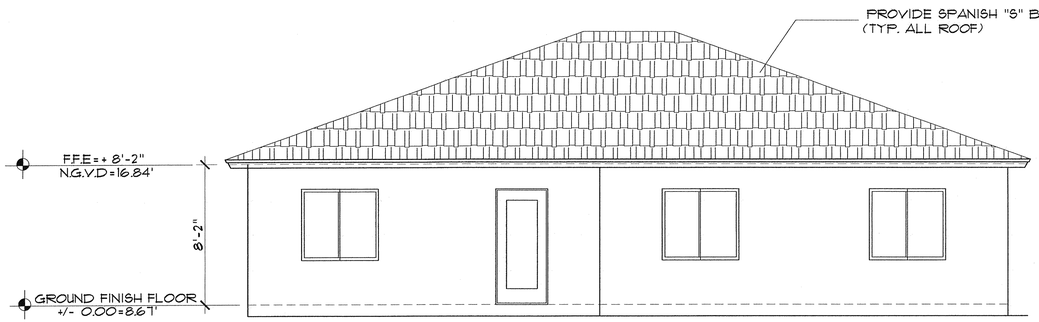
CLIENT: YAIMI DIAZ CAMPO

ADDRESS: 11721 SW 228 ST
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
MIAMI GARDENS,FL 33655
PHONE: (305) 441-1365

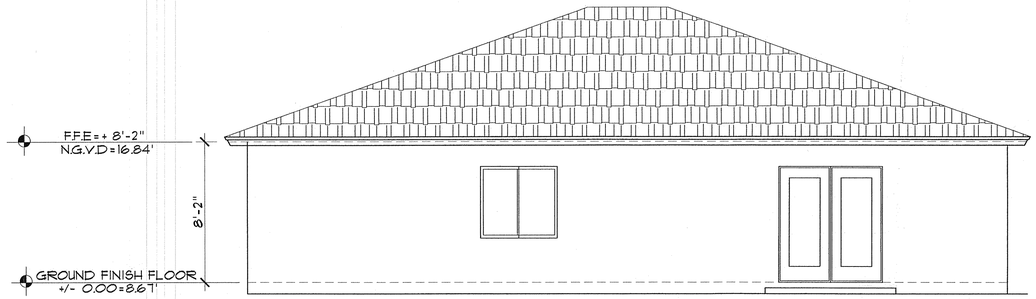
Job No.: FLOOR PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

A-1



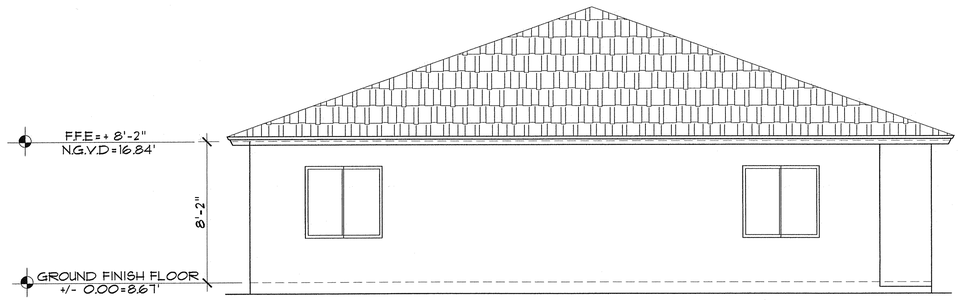
NORTH FRONT ELEVATION

SC:1/4"=1'



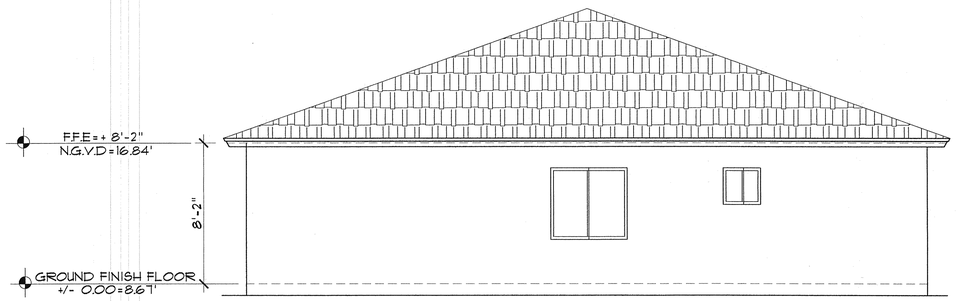
SOUTH REAR ELEVATION

SC:1/4"=1'



WEST LEFT ELEVATION

SC:1/4"=1'



EAST RIGTH ELEVATION

SC:1/4"=1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO

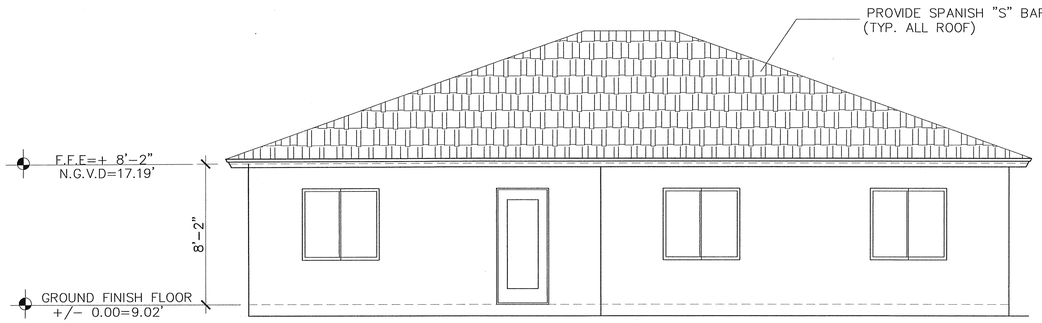
CLIENT:

ADDRESS: 228 SW 117 AVE.
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
CORAL GARDENS,FL 33055
PHONE: (305) 441-1365

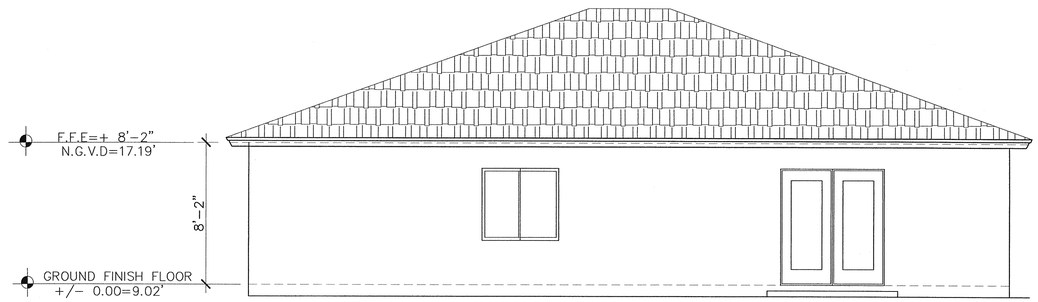
Job No.: ELEVATIONS
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

A-2



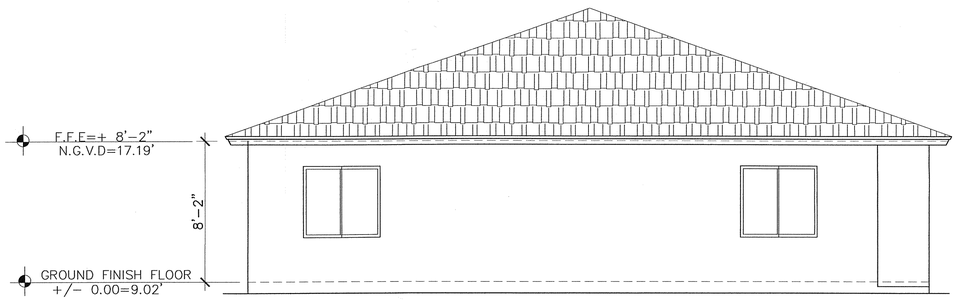
NORTH FRONT ELEVATION

SC:1/4"=1'



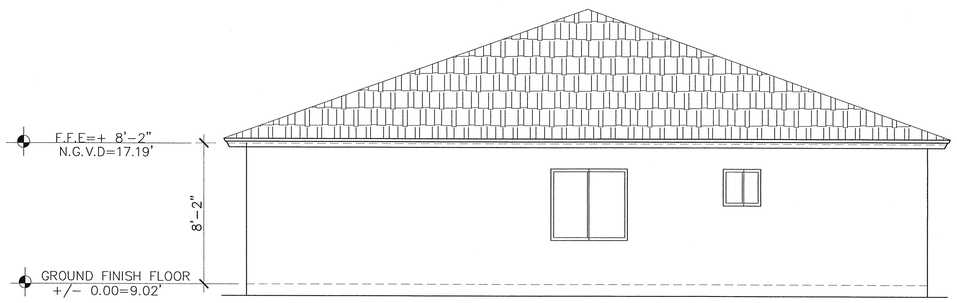
SOUTH REAR ELEVATION

SC:1/4"=1'



WEST LEFT ELEVATION

SC:1/4"=1'



EAST RIGTH ELEVATION

SC:1/4"=1'

REVISIONS:

REV.1

REV.2

REV.3

ADONAI design & const. inc.
CLAUDIO A IOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO

CLIENT:

ADDRESS: 11721 SW 228 ST
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
CORAL GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: ELEVATIONS
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

A-2

MIAMI-DADE COUNTY
miamidade.gov

Department of Environmental Resources Management
Plan Review and Development Approvals Division
11805 SW 26th Street, Ste. 124
Miami, Florida 33175-2474
T 786-315-2800 F 786-315-2919

AFFIDAVIT FOR GROUNDWATER ANALYSIS

SECTION I

a. Process No. _____ Folio No. _____

b. Project Name _____

Property Address _____

City _____ State _____ Zip Code _____

c. Proposed Use: ☐ Residential ☐ Non-Residential

SECTION II

I, the undersigned, hereby attest that I am aware that the owner/applicant must submit the required Primary Drinking Water (PDW) analysis of the raw groundwater at the subject property to the Department of Environmental Resources Management (DERM) Water and Wastewater Engineering Section before the issuance of the Certificate of Occupancy (CO) by the County or any municipality. Furthermore, pursuant to Section 24-43.2(1)(a)(iii), said CO shall not be issued by the County or any municipality until the Director, or the Director's designee, certifies that the raw groundwater at the site does not require treatment in order to meet the Primary Drinking Water Standards set forth in Chapter 62-550 of the Florida Administrative Code, as same may be amended from time to time, and only if the groundwater at the site does not contain more than two hundred and fifty (250) milligrams per liter (mg/l) of chlorides at a depth of thirty (30) feet from ground elevation, pursuant to Section 24-43.2 (1)(a)(iv) of the Code of Miami-Dade County.

In the event that the groundwater analysis does not meet the Primary Drinking Water Standards (PDWS), the owner/applicant may resubmit the raw groundwater analysis (split with DERM) from either the previously sampled well or a new well within the property. Otherwise, the owner/applicant must obtain a variance approval from the Environmental Quality Control Board (EQCB). A final building CO shall not be released until the variance is obtained. If the split sampling meets the PDWS then the requirement for EQCB approval will be waived.

This affidavit is hereby prepared by DERM as an option to allow the owner/applicant to proceed through the Plan Review/Approval process and obtain the required construction permit(s).

_____ _____
Name in Print (Owner, or Authorized Representative)/Title — Address (Owner, Lessee or Authorized Rep.)

_____ _____
Signature (Owner, or Authorized Representative) — Telephone Number

STATE OF FLORIDA)
COUNTY OF DADE) ss:

The foregoing instrument was acknowledged before me this _____ day of _____, 20 _____ by _____ who has produced, as identification and who did (did not) take an oath.

_____ _____
Notary Public, State of Florida at Large — Phone Number:

_____ _____
Signature (Owner, Lessee or Authorized Representative) — Date

_____ _____
Received by Name of DERM Personnel/Section — Dated Signature

MIAMI-DADE COUNTY

Building & Neighborhood Compliance
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

0000755322

REQUESTED REVIEWS

- ☐ ALL ☐ BLDG ☐ DERM ☐ ELEC ☐ ENRG ☐ FIRE
- ☐ HCAP ☐ LANDSCAPING ☐ MECH ☐ PLUM ☐ PWKS ☐ PWCC
- ☐ ROOF ☐ SIGN ☐ STRU ☐ ZNPR ☐ WASD ☒ Planning
- ☐ PERMIT BY AFFIDAVIT CHECK ☐ SHORT TERM EVENT AFFIDAVIT CHECK ☐ OPTIONAL PLAN REVIEW
  - ☐ BLDG ☐ ELEC ☐ MECH ☐ PLUM ☐ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) AYMEE Last Name: (PRINT CLEARLY) García

Cellular Number: ______ Office/Home Number: (305) 441-1365

EMAIL Address: ______

Comments:

(C2012057999)

Rework 11721 S.W. 228 St

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 09/14/12 Clerk Name: Bell Arrival Time: 9:40

Process No(s): ______ / ______ / ______

X2012153646 / ______

☐ Walk-Thru ☐ Drop-Off ☒ Rework ☐ Re-Issue
☐ Residential ☐ Commercial ☒ Plan Revision ☐ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG	☐A ☐D ☐N	HCAP	☐A ☐D ☐N	ROOF	☐A ☐D ☐N
DERM	☐A ☐D ☐N	LAND	☐A ☐D ☐N	SIGN	☐A ☐D ☐N
ELEC	☐A ☐D ☐N	MECH	☐A ☐D ☐N	STRU	☐A ☐D ☐N
ENRG	☐A ☐D ☐N	PLUM	☐A ☐D ☐N	ZNPR	☐A ☐D ☐N
FIRE	☐A ☐D ☐N	WASD	☐A ☐D ☐N	HRS	☐A ☐D ☐N

Customer Notified By: ______ Date: ___/___/___ Time: ___:___

MIAMI-DADE COUNTY

Permitting, Environment and Regulatory Affairs
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

REQUESTED REVIEWS

☐ ALL ☐ BLDG ☐ DERM ☐ ELEC ☐ ENRG ☐ FIRE
☐ HCAP ☐ LANDSCAPING ☐ MECH ☒ PLUM ☐ PWKS ☐ PWCC
☐ ROOF ☐ SIGN ☐ STRU ☐ ZNPR ☐ WASD
☐ PERMIT BY AFFIDAVIT CHECK ☐ SHORT TERM EVENT AFFIDAVIT CHECK ☐ OPTIONAL PLAN REVIEW
☐ BLDG ☐ ELEC ☐ MECH ☐ PLUM ☐ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) Aymee Last Name: (PRINT CLEARLY) García

Cellular Number: ______ Office/Home Number: (305) 441-1365

EMAIL Address: ______

Comments:

______

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: __/__/__ Clerk Name: Alfredo Arrival Time: ___:___

Process No(s): C20120579999 / ______
______ / ______

☐ Walk-Thru ☐ Drop-Off ☐ Rework ☐ Re-Issue
☐ Residential ☐ Commercial ☐ Plan Revision ☐ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG ☐A ☐D ☐N	HCAP ☐A ☐D ☐N	ROOF ☐A ☐D ☐N
DERM ☐A ☐D ☐N	LAND ☐A ☐D ☐N	SIGN ☐A ☐D ☐N
ELEC ☐A ☐D ☐N	MECH ☐A ☐D ☐N	STRU ☐A ☐D ☐N
ENRG ☐A ☐D ☐N	PLUM ☐A ☐D ☐N	ZNPR ☐A ☐D ☐N
FIRE ☐A ☐D ☐N	WASD ☐A ☐D ☐N	HRS ☐A ☐D ☐N

Customer Notified By: ______ Date: ___/___/___ Time: ___:___

Permitting, Environment and Regulatory Affairs
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

0000755322

REQUESTED REVIEWS

☐ ALL	☒ BLDG	☐ DERM	☐ ELEC	☐ ENRG	☐ FIRE
☐ HCAP	☐ LANDSCAPING	☒ MECH	☐ PLUM	☐ PWKS	☐ PWCC
☐ ROOF	☐ SIGN	☐ STRU	☐ ZNPR	☐ WASD	

☐ PERMIT BY AFFIDAVIT CHECK ☐ SHORT TERM EVENT AFFIDAVIT CHECK ☐ OPTIONAL PLAN REVIEW

☐ BLDG ☐ ELEC ☐ MECH ☐ PLUM ☐ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) AYMEE Last Name: (PRINT CLEARLY) García

Cellular Number: _____ Office/Home Number: (305) 441-1365

EMAIL Address: _____

Comments:

Rework 11721 S.W. 228 St

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 04/04/12 Clerk Name: Bell Arrival Time: 9:14

Process No(s): _____ / _____ / _____

X20120716115X / _____

☐ Walk-Thru ☐ Drop-Off ☒ Rework ☐ Re-Issue

☐ Residential ☐ Commercial ☒ Plan Revision ☐ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG ☐A ☐D ☐N	HCAP ☐A ☐D ☐N	ROOF ☐A ☐D ☐N
DERM ☐A ☐D ☐N	LAND ☐A ☐D ☐N	SIGN ☐A ☐D ☐N
ELEC ☐A ☐D ☐N	MECH ☐A ☐D ☐N	STRU ☐A ☐D ☐N
ENRG ☐A ☐D ☐N	PLUM ☐A ☐D ☐N	ZNPR ☐A ☐D ☐N
FIRE ☐A ☐D ☐N	WASD ☐A ☐D ☐N	HRS ☐A ☐D ☐N

Customer Notified By: _____ Date: ____/____/____ Time: ____:____

MIAMI-DADE COUNTY

Permitting, Environment and Regulatory Affairs
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

REQUESTED REVIEWS

☐ ALL ☐ BLDG ☐ DERM ☐ ELEC ☐ ENRG ☐ FIRE
☐ HCAP ☐ LANDSCAPING ☐ MECH ☐ PLUM ☐ PWKS ☐ PWCC
☐ ROOF ☐ SIGN ☐ STRU ☐ ZNPR ☐ WASD ☒ HRS
☐ PERMIT BY AFFIDAVIT CHECK ☐ SHORT TERM EVENT AFFIDAVIT CHECK ☐ OPTIONAL PLAN REVIEW
☐ BLDG ☐ ELEC ☐ MECH ☐ PLUM ☐ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) AYMEE Last Name: (PRINT CLEARLY) García

Cellular Number: ______ Office/Home Number: (305) 441 - 1365

EMAIL Address: ______

Comments: Rework HRS only

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 4/10/12 Clerk Name: [illegible] Arrival Time: 9:36

Process No(s): X2012078514 / C2012057999 / /

☐ Walk-Thru ☐ Drop-Off ☐ Rework ☐ Re-Issue
☐ Residential ☑ Commercial ☐ Plan Revision ☐ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG ☐A ☐D ☐N	HCAP ☐A ☐D ☐N	ROOF ☐A ☐D ☐N
DERM ☐A ☐D ☐N	LAND ☐A ☐D ☐N	SIGN ☐A ☐D ☐N
ELEC ☐A ☐D ☐N	MECH ☐A ☐D ☐N	STRU ☐A ☐D ☐N
ENRG ☐A ☐D ☐N	PLUM ☐A ☐D ☐N	ZNPR ☐A ☐D ☐N
FIRE ☐A ☐D ☐N	WASD ☐A ☐D ☐N	HRS ☐A ☐D ☐N

Customer Notified By: ______ Date: ___/___/___ Time: ___:___

123_01-117 12/11

MIAMI-DADE COUNTY

Building & Neighborhood Compliance
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

REQUESTED REVIEWS

❑ ALL	❑ BLDG	❑ DERM	❑ ELEC	❑ ENRG	❑ FIRE
❑ HCAP	❑ LANDSCAPING	❑ MECH	❑ PLUM	❑ PWKS	❑ PWCC
❑ ROOF	❑ SIGN	❑ STRU	❑ ZNPR	❑ WASD	☒ HRS

❑ PERMIT BY AFFIDAVIT CHECK ❑ SHORT TERM EVENT AFFIDAVIT CHECK ❑ OPTIONAL PLAN REVIEW

❑ BLDG ❑ ELEC ❑ MECH ❑ PLUM ❑ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) JORGE Last Name: (PRINT CLEARLY) CASTILLO

Cellular Number: 786-521-4496 Office/Home Number: _____

EMAIL Address: _____

Comments:

X2012088149 755322

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 05/02/12 Clerk Name: RAFAEL Arrival Time: 12:25

Process No(s): C2012057999 / _____

_____ / _____

❑ Walk-Thru ❑ Drop-Off ☒ Rework ❑ Re-Issue

❑ Residential ❑ Commercial ❑ Plan Revision ❑ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG ❑A ❑D ❑N	HCAP ❑A ❑D ❑N	ROOF ❑A ❑D ❑N
DERM ❑A ❑D ❑N	LAND ❑A ❑D ❑N	SIGN ❑A ❑D ❑N
ELEC ❑A ❑D ❑N	MECH ❑A ❑D ❑N	STRU ❑A ❑D ❑N
ENRG ❑A ❑D ❑N	PLUM ❑A ❑D ❑N	ZNPR ❑A ❑D ❑N
FIRE ❑A ❑D ❑N	WASD ❑A ❑D ❑N	HRS ❑A ❑D ❑N

Customer Notified By: _____ Date: ____/____/____ Time: ____:____

MIAMI-DADE COUNTY

Building & Neighborhood Compliance
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

REQUESTED REVIEWS

❑ ALL	❑ BLDG	☒ DERM	❑ ELEC	❑ ENRG	❑ FIRE
❑ HCAP	☒ LANDSCAPING	❑ MECH	❑ PLUM	❑ PWKS	❑ PWCC
❑ ROOF	❑ SIGN	❑ STRU	❑ ZNPR	❑ WASD	

❑ PERMIT BY AFFIDAVIT CHECK ❑ SHORT TERM EVENT AFFIDAVIT CHECK ❑ OPTIONAL PLAN REVIEW

❑ BLDG ❑ ELEC ❑ MECH ❑ PLUM ❑ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) Jorge Last Name: (PRINT CLEARLY) Castillo

Cellular Number: 786-521-4496 Office/Home Number: _____

EMAIL Address: _____

Comments:

X2012114302 755322

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 07/29/12 Clerk Name: RAFAEL Arrival Time: 1015

Process No(s): C2012057999 / _____

❑ Walk-Thru ❑ Drop-Off ☒ Rework ❑ Re-Issue

❑ Residential ❑ Commercial ❑ Plan Revision ❑ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG ❑A ❑D ❑N	HCAP ❑A ❑D ❑N	ROOF ❑A ❑D ❑N
DERM ❑A ❑D ❑N	LAND ❑A ❑D ❑N	SIGN ❑A ❑D ❑N
ELEC ❑A ❑D ❑N	MECH ❑A ❑D ❑N	STRU ❑A ❑D ❑N
ENRG ❑A ❑D ❑N	PLUM ❑A ❑D ❑N	ZNPR ❑A ❑D ❑N
FIRE ❑A ❑D ❑N	WASD ❑A ❑D ❑N	HRS ❑A ❑D ❑N

Customer Notified By: _____ Date: ____/____/____ Time: ____:____

MIAMI-DADE COUNTY

Regulatory and Economic Resources
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov/development

REQUESTED REVIEWS

☐ ALL	☐ BLDG	☒ DERM	☐ ELEC	☐ ENRG	☐ FIRE
☐ HCAP	☐ LANDSCAPING	☐ MECH	☐ PLUM	☒ PWKS	☐ PWCC
☐ ROOF	☐ SIGN	☒ STRU	☐ ZNPR	☒ WASD	☒ Plan

☐ PERMIT BY AFFIDAVIT CHECK ☐ SHORT TERM EVENT AFFIDAVIT CHECK ☐ OPTIONAL PLAN REVIEW

☐ BLDG ☐ ELEC ☐ MECH ☐ PLUM ☐ STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) AYMEE Last Name: (PRINT CLEARLY) Garcia

Cellular Number: _____ Office/Home Number: (305) 441-1365

EMAIL Address: _____

Comments: DERM PWKS Planning/Landscaping
STRU WASA

Rework to 755322
X20121512337

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

0000 **-FOR OFFICE USE ONLY-** X

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 9/10/2012 Clerk Name: Michelle Arrival Time: 12:58

Process No(s): _____ C2012057999 / _____

_____ / _____ / _____

☐ Walk-Thru	☐ Drop-Off	☑ Rework	☐ Re-Issue
☒ Residential	☐ Commercial	☐ Plan Revision	☐ Shop Drawing

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG ☐A ☐D ☐N	HCAP ☐A ☐D ☐N	ROOF ☐A ☐D ☐N
DERM ☐A ☐D ☐N	LAND ☐A ☐D ☐N	SIGN ☐A ☐D ☐N
ELEC ☐A ☐D ☐N	MECH ☐A ☐D ☐N	STRU ☐A ☐D ☐N
ENRG ☐A ☐D ☐N	PLUM ☐A ☐D ☐N	ZNPR ☐A ☐D ☐N
FIRE ☐A ☐D ☐N	WASD ☐A ☐D ☐N	HRS ☐A ☐D ☐N

Customer Notified By: _____ Date: ____/____/____ Time: ____:____

DIVISION 1 – GENERAL REQUIREMENTS

1. WORK SHALL COMPLY WITH THE FOLLOWING:
   A. THESE GENERAL NOTES (UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS).
   B. FLORIDA BUILDING CODE 2007 W/ 2009 REVISIONS.
   C. ALL APPLICABLE LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS.
   D. NATIONAL ELECTRICAL CODE, OSHA AND NATIONAL FIRE PREVENTION ASSOC.
2. ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. NOTED DIMENSIONS TAKE PRECEDENT OVER SCALE.
3. THE GENERAL NOTES AND TYPICAL DETAILS APPLY THROUGHOUT THE JOB UNLESS OTHERWISE NOTED OR SHOWN.
4. ALL CONDITIONS AND ALL APPLICABLE REQUIREMENTS OF THE CONTRACT BETWEEN THE SUBCONTRACTOR AND BUILDER SHALL GOVERN ALL SECTIONS OF THE SPECIFICATIONS.
5. ALL WORK THAT IS IMPLIED OR REASONABLY INFERABLE FROM THE CONTRACT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DRAWINGS AND SPECIFICATIONS ARE DIRECTED TO THE ATTENTION OF THE CONTRACTOR AND THE INCLUSION OF ANY WORK BY MENTION, NOTE OR DETAIL. ITEMIZATION OR IMPLICATION, HOWEVER BRIEF MEANS THAT THE CONTRACTOR SHALL PROVIDE AND INSTALL SAME. ALL WORK PERFORMED TO BE PART OF A COMPLETE PACKAGE WITHIN THE DEFINITIONS OF NORMAL INDUSTRY STANDARDS.
6. ALL PERMITS, INSPECTIONS, APPROVALS, ETC., SHALL BE APPLIED FOR AND PAID BY THE SUBCONTRACTOR IN ALL FIELDS OF HIS WORK, AND SHALL BE RESPONSIBLE FOR THE COORDINATION OF INSPECTION AND APPROVALS OF HIS WORK. PRIME BUILDING PERMITS SHALL BE OBTAINED BY THE GENERAL CONTRACTOR.
7. ALL WORK COMPLETED OR OTHERWISE, SHALL BE PROPERLY PROTECTED AT ALL TIMES. CONTRACTOR SHALL FOLLOW ALL ACCEPTED METHODS OF SAFETY PRACTICE AND PROVIDE ALL FENCES, BARRICADES, ETC. AS MAY BE NEEDED TO PROTECT THE LIFE AND PROPERTY AND AS MAY BE REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THIS WORK. HE SHALL REPAIR AT HIS OWN COST ANY DAMAGES TO THE PREMISES OR ADJACENT WORK CAUSED BY HIS OPERATION.
8. DISCREPANCIES: THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PROJECT THROUGH INSPECTION OF THE SITE, THE DRAWINGS AND SPECIFICATIONS, SO AS TO THOROUGHLY UNDERSTAND THE WORK. ANY AND ALL DISCREPANCIES AND OMISSIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT DISCREPANCIES OR OMISSIONS ARE REPORTED AND CLARIFICATION OBTAINED FROM THE ARCHITECT PRIOR WORK BEING DONE, ANY WORK THAT PROCEEDS OTHERWISE SHALL BE, IF INCORRECTLY PERFORMED, REPLACED OR REPAIRED WITH THE COST OF THE SAME BEING BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS FOR COORDINATION.
9. OMISSIONS: IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED. FOR ANY CLARIFICATIONS IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSULT THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK IN QUESTION.
10. BEFORE COMMENCING WITH ANY WORK, ALL CONTRACTORS SHALL FILE WITH THE BUILDER CURRENT INSURANCE CERTIFICATES IN THE AMOUNTS REQUESTED BY THE BUILDER FOR WORKMAN'S COMPENSATION, COMPREHENSIVE GENERAL LIABILITY, BODILY INJURY AND PROPERTY DAMAGE. IT IS THE INTENTION OF THE PARTIES THAT THE SUBCONTRACTOR SHALL INDEMNIFY THE BUILDER AND ARCHITECT FOR ANY AND ALL COST, SUITS, AND JUDGMENTS FOR PROPERTY DAMAGE AND PERSONAL INJURY (INCLUDING DENTAL), ARISING OUT OF THE WORK OF ANY CONTRACTOR.
11. ALTERING STRUCTURAL MEMBERS: NO STRUCTURAL MEMBER SHALL BE OMITTED, NOTCHED, CUT, BLOCKED OUT, OR RELOCATED WITHOUT PRIOR APPROVAL BY THE ARCHITECT AND/OR A STRUCTURAL ENGINEER.
12. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTIONS AS PER 302.3 (e) F.B.C.

GENERAL:

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK ARE PARTIALLY DIAGRAMMATIC, THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS
2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAYOUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE A/E IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.
5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY A/E IN WRITING OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

SHOP DRAWG'S & DELEGATED ENGINEERING:

1. ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR A/E'S REVIEW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE A/E ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR. IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE A/E AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.
2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, PRODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED INFORMATION MUST BE REVIEWED AND ACCEPTED BY THE A/E AND APPROVED BY THE BUILDING DEPARTMENT.
3. THE A/E WILL REVIEW ALL SHOP DRAWINGS, PREPARED AND SIGNED AND SEALED BY THE *CONTRACTOR'S DELEGATED ENGINEER,* ONLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING AND COORDINATION WITH THE STRUCTURE AS SHOWN ON THE PERMIT PLANS.
4. CONTRACTOR SHALL SUBMIT TO A/E 3 SETS OF BLUEPRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR REVIEW , BEFORE STARTING FABRICATION. A/E WILL RETURN THE MARKED-UP AND STAMPED SETS TO THE CONTRACTOR .

CONSTRUCTION MEANS & METHODS

1. SHORES, BRACING AND RESHORES:
   THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS (INCLUDING ENGINEERING CALCULATIONS) FOR ALL SHORES, VERTICAL AND LATERAL BRACING AND RESHORES (AND REMOVAL OF SAME) TO BE USED BY HIM FOR THIS CONSTRUCTION. THE ABOVE SHALL BE DESIGNED, SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER ENGAGED BY THE CONTRACTOR AS A DELEGATED ENGINEER FOR THE ABOVE ELEMENTS.
   A/E WILL NOT DESIGN FORM WORK AND BRACING, NOR ASSUME RESPONSIBILITY FOR THE SHORES, BRACING AND STABILITY DURING CONSTRUCTION.
   CONTRACTOR TO SUBMIT THE SIGNED AND SEALED SHOP DRAWINGS TO THE A/E, AS REQUIRED TO BE REVIEWED FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DESIGN INTEND.
2. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.
3. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF CHAPTER 33 OF THE FLORIDA BUILDING CODE AND ALL LOCAL, STATE AND FEDERAL
4. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.
5. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, OBSTRUCTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.
6. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE.
7. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE SUBCONTRACTOR'S EXPENSE.

PRE CAST CONCRETE UNITS

1. ALL PRE CAST UNITS (INDIVIDUAL UNITS OR SYSTEM) SHALL BE DESIGNED BY THE CONTRACTOR'S OR PRE CAST MANUFACTURER'S DELEGATED STRUCTURAL ENGINEER. THE DELEGATED ENGINEER SHALL HAVE A MINIMUM (3) YEAR EXPERIENCE IN THE DESIGN OF THE PARTICULAR ELEMENTS.
2. SUBMIT SHOP DRWGS, ALL CALCULATIONS AND COMPUTER PRINTOUTS PREPARED BY AND THE SIGNED AND SEALED BY THE DELEGATED STRUCTURAL ENGINEER, COMPUTATIONS SHALL BE MADE FOR EACH MEMBER AND FOR THE SYSTEM (AS APPLICABLE). ENCLOSE A LEGEND OR A DESCRIPTION OF ALL ABBREVIATIONS AND NOMENCLATURES USED IN THE CALCULATIONS AND COMPUTER INPUT/OUTPUT.
3. ALL UNITS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE BUILDING CODE, DESIGN MANUAL AND A.C.I. CODE MEMBERS SHALL BE DESIGNED TO CARRY ALL EXPECTED CONSTRUCTION FACE LOADS.
4. SHOP DRAWINGS SHALL SHOW AND SPECIFY CONCRETE TYPE AND STRENGTH, JOIST ANCHORAGE, STEEL INSERTS, CONC. COVERS BEARING DIMENSIONS PLAY LAYOUT AND LOCATION OF EACH PRE CAST MEMBER, CONNECTIONS TO OTHER STRUCTURES AND SUPPORTS, ALL PENETRATIONS (AS REQUIRED BY OTHER TRADES) LOAD TRANSFERRING, COMPONENTS, DESIGN LOADS AND OTHER RELATED INFORMATION ALSO SHOWN IN THE STRUCTURAL DRAWINGS.
5. ALL LOAD AND REACTIONS APPLIED BY THE PRE CAST ELEMENTS ONTO THE SUPPORTING STRUCTURE SHALL BE CLEARLY INDICATED IN THE SHOP DRAWINGS, IF REQUIRED.
6. DELEGATED ENGINEER SHALL ALSO DESIGN AND INDICATE ON THE SHOP DRAWINGS, ALL TEMPORARY SHORING AND ATTACHMENTS, FORM WORK, BRACING AND RESHORES (INCLUDING TIME OR REMOVAL THEREOF) AS REQUIRED FOR SAFE ERECTIONS OF THE PRE CAST UNITS OR SYSTEM.
7. NO FABRICATION OF PREFAB COMPONENTS SHALL BEGIN UNTIL ALL SHOP DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED BY THE ENGINEER OF RECORD AND THE ARCHITECT.
8. ALL METAL CONNECTIONS SHALL BE RUST PROOF PAINTED. ALL FIELD WELDS SHALL BE WIRE-BRUSH CLEANED AND RUST PROOF PAINTED. TOUCH UP WITH RUST PROOF PAINT ALL COATED STEEL DAMAGED DURING TRANSPORTATION, ERECTION OR ADJACENT WELDING OPERATIONS. ALL WELDS SHALL BE INSPECTED BY CERTIFIED WELDING INSPECTOR.

EXCAVATION, FOOTING, AND FOUNDATION NOTES AND SPECIFICATIONS

1. EXCAVATIONS
UNTIL PROVISIONS FOR PERMANENT SUPPORT HAVE BEEN MADE. ALL EXCAVATIONS SHALL BE PROPERLY GUARDED AND PROTECTED SO AS TO PREVENT THE SAME FROM BECOMING DANGEROUS TO LIFE AND PROPERTY AND SHALL BE SHEET PILED. BRACED AND / OR SHORED. WHERE NECESSARY. TO PREVENT THE ADJOINING EARTH FROM CAVING IN: SUCH PROTECTION TO BE BY THE PERSON CAUSING THE EXCAVATION TO BE MADE. NO EXCAVATION. FOR AND PURPOSE. SHALL EXTEND WITHIN ONE FOOT OF THE ANGLE OF REPOSE OF ANY SOIL BEARING FOOTING OR FOUNDATION UNLESS SUCH FOOTING OR FOUNDATION IS FIRST PROPERLY UNDERPINNED OR PROTECTED AGAINST SETTLEMENT.

2. FOUNDATIONS
THE STRUCTURE SHALL BE CONSTRUCTED ON MONOLITHIC FOOTINGS, WHICH HAVE BEEN DESIGNED FOR A MAXIMUM BEARING CAPACITY OF 2500 PSF.(SEE SOIL STATEMENT S-1)

2.2 COMMENCEMENT OF CONSTRUCTION
(A) THE CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION OF FOUNDATIONS OR SUPERSTRUCTURE WITHOUT SOIL BORING TEST BEING PERFORMED. SHOULD THE CONTRACTOR ENCOUNTER ANY CONDITIONS IN THE FIELD THAT MAY BE CONDUCIVE TO A CHANGE IN BEARING CAPACITY, THE SAME SHALL BE CONDUCIVE TO A CHANGE IN BEARING CAPACITY, THE SAME SHALL BE NOTED AND REPORTED TO THE ARCHITECT/ENGINEER WHO WILL PERFORM FIELD VISIT AND WILL PROVIDE INSTRUCTIONS FOR PROCEEDING WITH THE WORK, IN WRITING.
(B) THE CONTRACTOR SHALL NOT PROCEED WITH THE CONSTRUCTION OF FOUNDATIONS OR SUPERSTRUCTURE WITHOUT PERMISSION FROM THE ENGINEER UPON THE ENGINEER'S COMPLETION OF ANY NECESSARY REVISIONS TO THE FOUNDATION PLANS RESULTING FROM THE GEOTECHNICAL ENGINEER'S REPORT. EVALUATION AND RECOMMENDATIONS. REVISED PLANS SHALL BE ISSUED FOR COMMENCEMENT OF CONSTRUCTION WHERE NECESSARY.

CONCRETE NOTES:

CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 301-99 AND SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS OF 3000 PSI FOR BEAMS AND COLUMNS UNLESS OTHERWISE NOTED.

CONCRETE, WHEN PLACED SHALL HAVE A MAXIMUM SLUMP OF 6 INCHES.

DESIGN AND LOCATION OF CONSTRUCTION JOINTS SHALL CONFORM STRICTLY TO THE REQUIREMENTS OF THE PLANS. ANY CONSTRUCTION OR CONTROL JOINTS DESIRED OR PREFERRED BY THE CONTRACTOR SHALL BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION OF THOSE AREAS.

CHECK ALL DRAWINGS AND APPLICABLE MANUFACTURER'S SHOP DRAWINGS FOR LOCATION OF ALL EMBEDDED ITEMS SUCH AS FLOOR SAFES, PIPES SLEEVES, ANCHOR BOLTS, ETC., PRIOR TO PLACING THE CONCRETE.

CONCRETE PROTECTION OF REINFORCING BARS SHALL BE AS FOLLOWS:

FOOTINGS	3" CLR. BOTTOM AND SIDES, 2" CLR. ON TOP
WALLS	2" CLR. OUTSIDE FACE CLR. INSIDE FACE
SLABS	3/4" CLR.
BEAMS	1- 1/2" CLR. TO TIES

ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615- GRADE 60. ALL DETAILING AND ACCESSORIES SHALL CONFORM TO TYPICAL DETAILS SHOWN IN THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 318-99, LATEST EDITION".

ALL CONTINUOS VERTICAL OR HORIZONTAL BARS IN FOOTINGS, FOUNDATIONS, WALL SLABS AND OTHER CONCRETE SHALL BE LAP SPLICED 36 BAR DIAMETER OR 1'-6" MINIMUM WHICHEVER IS GREATER (EXCEPT AS NOTED IN DRAWINGS). ALL BARS AT THE END OF CONTINUOS FOOTINGS, BEAMS OR CONTINUOS HORIZONTAL ELEMENTS SHALL BE CONTINUED TO FAR SIDE OF INTERSECTING ELEMENTS.

CONCRETE NOTES CONT.:

WELDED WIRE MESH TO BE 6 X 6 10/10 STEEL. LAP JOINTS 1'-6", PROVIDE DOUBLE LAYER BENEATH ALL BEARING WALLS, EXTEND FOR A DISTANCE OF 30".
"FIBER MIX STEALTH MULTI-FILAMENT FIBERS" IS APPROVED FOR SLAB REINFORCING AT EXTERIOR PATIO/PORCH SLABS.
VAPOR BARRIERS BENEATH SLABS TO BE 6 MIL POLYETHYLENE.

FOUNDATION NOTES:

FOOTINGS SHALL BEAR ON CLEAN SAND FILL COMPACTED TO ACHIEVE BEARING CAPACITY OF 2000 PSF- PROVIDE COMPACTION TEST TO BUILDING DEPARTMENT INDICATING BEARING VALUE SPECIFIED. DO NOT PROCEED WITH THE WORK UNTIL BEARING VALUE HAS BEEN ACHIEVED.

TOP OF TYPICAL FLOOR SLAB (+0'-0") SHALL BE A MINIMUM OF 18" ABOVE CROWN OF ROAD OR ABOVE FLOOD CRITERIA.

SOILS SHALL BE TREATED FOR TERMITES PRIOR TO PLACEMENT OF THE CONCRETE. MATERIALS AND INSTALLATION MUST COMPLY WITH ALL GOVERNING CODES AND REGULATIONS PROVIDE 2 YEARS RE-TREATMENT WARRANTY.

CONCRETE SLABS AS REQUIRED FOR MECHANICAL EQUIPMENT. VERIFY EXACT SIZE WITH CONTRACTOR.

4" THICK 2500 PSI CONCRETE SLAB WITH 6 X 6 10/10 W.W.F. (DOUBLY REINFORCED 30" FROM SUPPORT AT ALL PERIMETER EDGES) ON VAPOR BARRIER OVER 2500 PSF BEARING CAPACITY.

THE FOUNDATION DOES NOT REQUIRE ANY ADDITIONAL TRANSFER BARS OTHER THAN DOUBLE MESH AS INDICATED ON THE PLANS.

MASONRY NOTES:

ALL MASONRY BLOCK SHALL CONFORM TO THE REQUIREMENTS OF ASTM C90 FOR LOAD BEARING CONCRETE MASONRY.

ALL MORTAR SHALL BE MINIMUM OF TYPE M (M-2500 PSI) OR S (S-1800 PSI) MORTAR OR EQUIVALENT PER F.B.C. -2004 RESIDENTIAL EDITION

ALL CONCRETE COLUMNS INTEGRAL WITH THE MASONRY SHALL BE CAST AFTER THE MASONRY HAS BEEN LAID UP SUCH THAT THE CONCRETE IS INTERLOCKED WITH THE MASONRY.

THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR ADEQUATE BRACING OF ALL MASONRY CONSTRUCTION. ALL WALLS ARE TO BE FULLY BRACED AGAINST WIND AND OTHER FORCES UNTIL THE ROOF, WALLS AND FLOOR CONSTRUCTION IS STRUCTURALLY COMPLETE.

PROVIDE CONTROL JOINTS IN ALL MASONRY WALLS GREATER THAN 30 FEET IN LENGTH, UNLESS OTHERWISE NOTED. CONTROL JOINTS SHALL BE LOCATED AT NO MORE THAN 30' O.C. . ALL VERTICAL CONTROL JOINTS SHALL BE RAKED JOINTS UNLESS NOTED OTHERWISE.

EXPANSION JOINTS IN MASONRY SHALL BE PROVIDED AT APPROXIMATELY EVERY 120' BUT AT A DISTANCE NO GREATER THAN 150' O.C. .
REINFORCED MASONRY WALLS ARE USED TYPICALLY THROUGHOUT THE BUILDING THEREFORE CARE MUST BE TAKEN BY THE CONTRACTOR TO INSURE QUALITY OF WORK AND PROPER PLACEMENT OF ALL REINFORCEMENT. VERTICAL WALL REINFORCING SHALL BE LAP SPLICED AT NO GREATER THAN 8'-0" O.C. AND SHALL BE LAPPED A MINIMUM OF 2'-0". CLEAN OUTS MUST BE PROVIDED AT ALL LOCATION WHERE SPLICES OCCUR WITHOUT EXCEPTION. THE CONTRACTOR SHALL ASSURE THAT ALL REINFORCEMENT IS PROPERLY PLACED AND CENTERED IN THE WALL.

PROVIDE FILLED CELLS AT ALL GIRDER TRUSS BEARING LOCATIONS AS INDICATED AND COORDINATE WITH MANUFACTURER'S ROOF TRUSS SHOP DRAWINGS.

MASONRY WALLS HAVE BEEN DESIGNED IN ACCORDANCE TO F.B.C.2004 RESIDENTIAL EDITION FOR ENGINEERED UNIT MASONRY, BY ACI 530-99, ASCE 5-99 AND TMS 402-99.

GLASS BLOCK:

ALL GLASS BLOCK SHALL BE PROVIDED WITH PANEL ANCHORS SPACED 24" C/C VERTICAL AND REINFORCING (DOUBLE WIRE MESH) IN HORIZONTAL JOINTS AT 24" C/C CONT.

MORTAR TO HAVE COMPRESSIVE STRENGTH TYPE S (S-1800 PSI) AT 20 DAYS.
EXPANSION STRIPS TO BE PLACED PER MANUFACTURER'S SPECIFICATIONS.
ALL GLASS BLOCK SHALL BE INSTALLED AS PER F.B.C.

FRAMING:

TOP ELEVATION OF BEAMS AND PLATES ARE AS NOTED ON PLANS.

FRAMING LUMBER FOR HEADERS, BEAMS AND COLUMNS, TRUSS BRACING, ETC., SHALL HAVE A MINIMUM Fb= 1000 PSI, Fv= 75 PSI AND E= 1400 KIPS, UNLESS OTHERWISE NOTED (No. 2 OR BETTER).

LAMINATED WOOD BEAMS SHALL BE " TIMBERMAX" LAMINATED VENEER LUMBER AS MANUFACTURED BY ALPINE STRUCTURES OR APPROVED EQUAL. Fb= 2925 PSI AND E= 2000 KIPS.FBC-2004 EDITION

PROVIDE (2) 2 X 8 HEADERS ABOVE OPENINGS IN BEARING WALLS UNLESS OTHERWISE SHOWN ON PLAN. PROVIDE (2) 2 X ( )'S STUDS UNDER HEADERS, GIRDER, TRUSSES, ETC., UNLESS OTHERWISE SHOWN. MULTIPLE HEADERS AND STUDS SHALL BE SECURELY SPIKED TOGETHER.

ALL WORK IS TO CONFORM THE MINIMUM STANDARDS OF THE LATEST APPLICABLE F.B.C.

COMPLY WITH RECOMMENDATIONS OF NFPA MANUAL FOR HOUSE FRAMING, NFPA RECOMMEND NAILING SCHEDULE, AND NFPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION. FBC-2004 RESIDENTIAL

EACH PIECE OF LUMBER SHALL BE MARKED BY AN AGENCY CERTIFIED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE.

PROVIDE (3) 2 X 4 (MIN.) POST NAILED TOGETHER WITH 16d NAILS @ 4"O.C. AT EACH END OF OPENINGS OF LOAD BEARING PARTITIONS AND AT GIRDER BEARING LOCATIONS WHERE SUPERIMPOSED LOADS DO NOT EXCEED 385 PSI.

PROVIDE DRAFT STOPPING SEPARATING USABLE SPACES INTO AREAS OF NO GREATER THAN 3000 SQ. FT. AS PER F.B.C.

NON BEARING PARTITIONS:

ALL INTERIOR NON BEARING PARTITIONS SHALL BE 3 5/8" MTL. OR 2 X 4 WOOD STUDS AT 24" O.C. MAXIMUM SPACING WITH \" MINIMUM GYPSUM DRYWALL EACH SIDE.

BEARING PARTITIONS:

BEARING PARTITIONS ARE TO BE 1 HOUR RATED AS PER F.B.C. TABLE 37-B ITEM 79.

WOOD TRUSS NOTES:

ROOF TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER TO MEET OR EXCEED THE SPECIFIED DESIGN LOADS IN ADDITION TO OTHER ARCHITECTURAL OR GOVERNING BUILDING CODE REQUIREMENTS. THE ROOF TRUSS DESIGN IS TO BE COMPLETE WITH ALL TEMPORARY AND PERMANENT BRACING, BRIDGING, ATTACHMENTS, AND ANCHORAGE FOR FINAL INSTALLATION.
THE TRUSSES HAVE BEEN LAID OUT CONSIDERING THE SUPPORTING SUPERSTRUCTURE (WALLS & BEAMS) OF THE BUILDING. ALL BEARING WALLS AND BEAMS ARE INDICATED ON THE PLANS. THE FRAMING SCHEME (INCLUDING BEARING POINTS) OF THE TRUSSES CAN NOT BE CHANGED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT OF RECORD.
SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS WITH TRUSS LAYOUT SHOWN, SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER TO THE ARCHITECT OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. THE DRAWINGS ARE TO INDICATE ALL POINTS OF LOADING ALONG WITH ASSOCIATE REACTIONS. THE DRAWINGS ARE ALSO TO CLEARLY INDICATE WORK AND MATERIALS SUPPLIED BY THE TRUSS MANUFACTURER AND THE WORK AND MATERIALS REQUIRED FROM THE CONTRACTOR.

ROOF SHEATHING NOTE:

ALL ROOF SHEATHING TO BE 19/32" THICK CDX PLYWOOD SHEATHING.

INSTALL WITH THE LONG DIM. OF PANEL ACROSS SUPPORTS WITH THE PANEL CONTINUOS OVER TWO OR MORE SPANS.

PROVIDE EDGE SUPPORT BY MEANS OF TRUSSES, RAFTERS, PANEL CLIPS OR LUMBER BACKING. ALLOW -" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY PANEL MANUFACTURER.

DOOR AND WINDOW NOTES:

ALL GLASS IN FRENCH DOORS AND SLIDING GLASS DOORS SHALL BE TEMPERED GLASS AND SHALL MEET THE REQUIREMENTS OF THE F.B.C. SECTION 2411.3.13

CATEGORY II 400 Lb. IMPACT TEST

ALL FIXED GLASS SHALL MEET THE REQUIREMENTS OF THE F.B.C. SECTION 2405.2.1 ALL GLASS SHALL BE SINGLE PANE NOT TINTED.

VERIFY ALL MASONRY AND WOOD FRAME OPENING SIZES TO FIT DOORS AND WINDOWS BEFORE CONSTRUCTION. NOTIFY ARCHITECT IF CONFLICT EXISTS.

EGRESS WINDOWS SHALL PROVIDE A CLEAR OPENING NOT LESS THEN 20" IN WIDTH, 24" IN HEIGHT, 5. SQ. FT.. IN AREA WITH THE BOTTOM OF THE OPENING NOT MORE THAN 44" ABOVE THE FINISHED FLOOR AS REQUIRE PER 1005.4.3(b)(3) OF THE F.B.C. .

ALL OPENINGS TO BE COVERED BY PRODUCTS WHICH HAVE DADE COUNTY PRODUCT APPROVAL FOR MISSILE/DEBRIS TEST OR SHALL BE PROTECTED BY APPROVED HURRICANE SHUTTERS.

WINDOW SUPPLIER/MANUFACTURER IS TO PROVIDE CONTRACTOR WITH ROUGH DIMENSIONS FOR ALL WALL CONDITIONS PRIOR TO POURING THE SLAB TO INSURE COORDINATION WITH ALL MASONRY FILLED CELLS AND CONCRETE COLUMNS LOCATIONS.

FINISH NOTES:

MIRRORS SHALL BE ANCHORED TO STUDS WHEN IN EXCESS OF 9 SQ. FT.

SHOWER COMPARMENTS FINISH:IMPERVIOUS MATERIALS TO 70 INCHES.FBC 1204.3

USE MOISTURE RESISTANT BOARD IN ALL BATHROOMS AND OTHER WET AREAS.

TILE FINISH SELECTED BY OWNER.

PROVIDE DECORATIVE LIMESTONE FACING PORCH AND TERRACE COLUMN

NAILING SCHEDULE:

SEE FASTENER SCHEDULE FOR NAILING AND FASTENER REQUIREMENTS ON WINDOW AND DOOR FRAMES, ROOF ASSEMBLIES, WALL ASSEMBLIES (SHEATHING, FURRING, LATH, SILL PLATES), ETC.

LOCATION	SIZE	SPACING
PLYWOOD WALL SHEATHING	10d COMMON NAILS	4"OC PANEL EDGES 6"OC PANEL SUPP.
PLYWOOD ROOF SHEATHING (ZONE3)	10d RING SHANK NAILS	4"OC PANEL EDGES 6"OC INT. SUPP.
PLYWOOD ROOF SHEATHING (ZONE1)	10d COMMON NAILS	4"OC PANEL EDGES 6"OC INT. SUPP.
1X2 PT WD FURR. STRIPS @ EXT. MASONRY WALLS	0.099 X1-1/2" SM	12"OC
EXT. WINDOW BUCK @ MASONRY	0.099 X1-1/2" SM	6"OC
EXT. DOOR BUCK @ MASONRY WALL		
EXT. WINDOWS & DOOR STRAP		
GARAGE DOOR BUCKS	3" PINS	MAX. 9" OCR STAGGERED
WD. BOT. SILL PLATE BRNG. WALLS ONLY	1"DIAM. ANCHOR BOLTS HILTI SDM -72-S36 PIN 16"O.C.	MAX. 48" O/C MAX. 16" O/C
WIRE LATH	1|X.120 PASLODE	NAIL 6" O/C SIDE LAPS TO SUPP.& TIED BETWEEN SUPP. 8" O/C
ROOFING PAPER	12GA. WIRE RING SHANKED NAILS W/MIN.20 RINGS/IN.& 3/8"HEAD LONG - THROUGH 32GA SHEET MTL. TIN CAPS MIN DIAM.1-5/8"& MAX. OF 2"DIAM	0 TO 40 6" O/C IN DIR. OF ROLL 12" O/C ACROSS WIDTH OF ROLL
DRIP EDGE	3/4 LONG RING SHANKED NAILS	
ROOF TILE	10d. GALV	6"CL THROUGH DRIP EDGE 2 PER TILE

EQUIVALENT PNEUMATIC FASTENERS APPROVED BY LOCAL BLDG. DEPT. ARE ACCEPTABLE.

NOTES:

1. TRUSS MANUFACTURER TO PROVIDE DEAD, LIVE, AND WIND UPLIFT REACTIONS FOR ALL TRUSSES AND GIRDERS.
2. STRAP ALL "PIGGYBACK" TRUSSES WITH 14 GA. BY 1" GALV. STEEL STRAPS TO EA. SUPPORTING TRUSS W/ 4-16d NAILS INTO "PIGGYBACK" TRUSS AND INTO SUPPORTING TRUSSES. STRAP BY "USP" NO. RT20 .
3. AS THE ENGINEER OF RECORD OF THIS DESIGN, I HEREBY STATE THAT THE NET WIND UPLIFT REACTIONS SHOWN IN THIS PLAN SHALL SUPERSEDE THOSE SHOWN IN THE TRUSS MANUFACTURER SHOP DRAWINGS AND ENGINEERING CALCULATIONS. THE NET WIND UPLIFT REACTIONS WERE CALCULATED BY MYSELF, CONSIDERING LOCATION, TRIBUTARY AREAS, HEIGHT, AND ROOF SLOPE IN ACCORDANCE WITH THE ASCE 7-05 CODE FOR A 146 MPH WIND VELOCITY,EXPOSURE "C" KD CAT. II THE CONNECTORS NOTED IN PLAN EXCEED THE NET WIND UPLIFT REACTIONS SHOWN IN PLAN.
4. MAIN ROOF PLYWOOD SHEATHING SHALL BE EXTENDED UNDER ALL VALLEY TRUSSES.
5. BRACING FOR THE ROOF SYSTEM IS DESIGNED FOR BOTH POSITIVE AND NEGATIVE PRESSURE AND MEETS THE REQUIREMENTS OF F.B.C.2004 RESIDENTIAL

REVISIONS:
REV.1
REV.2
REV.3

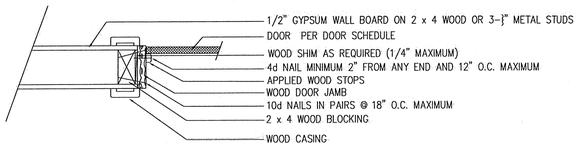
ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

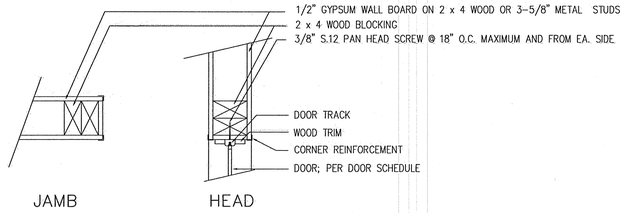
Job No.: DETAILS
Drawn By: CG
Scale: --
Date: 11/11

D-1



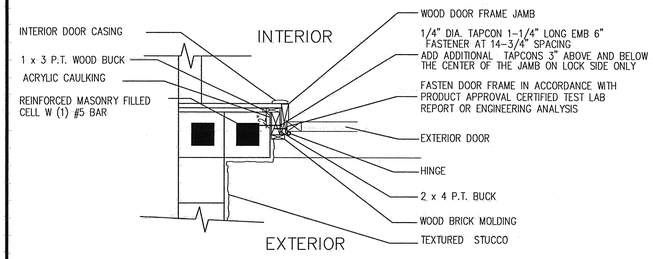
DOOR JAMB DETAIL AT INTERIOR PARTITION

Not To Scale



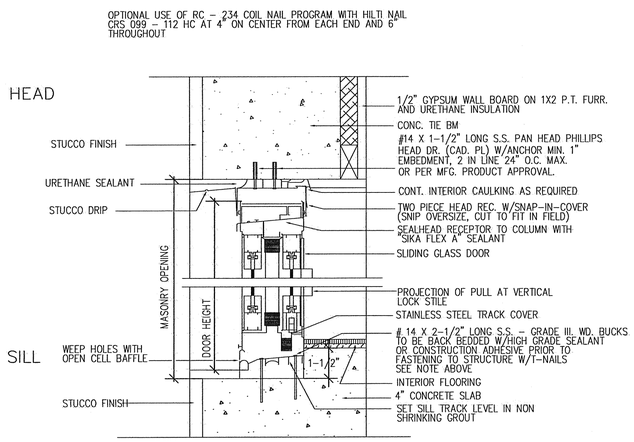
JAMB/HEAD DETAIL (BIFOLD)

Not To Scale



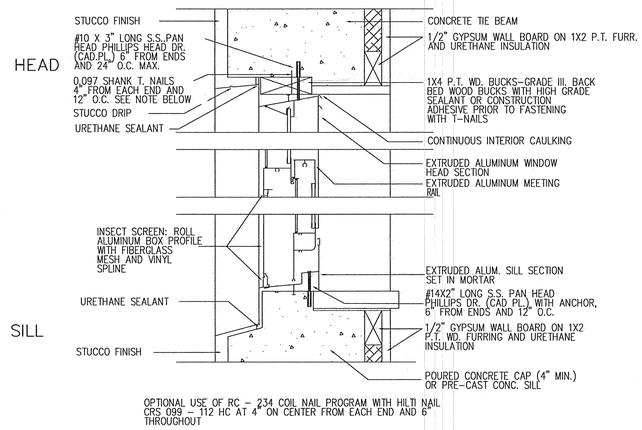
EXTERIOR DOOR JAMB DETAIL

Not To Scale



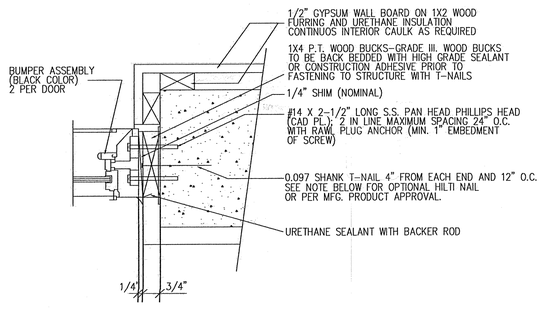
SLIDING GLASS DOOR DETAIL

Not To Scale



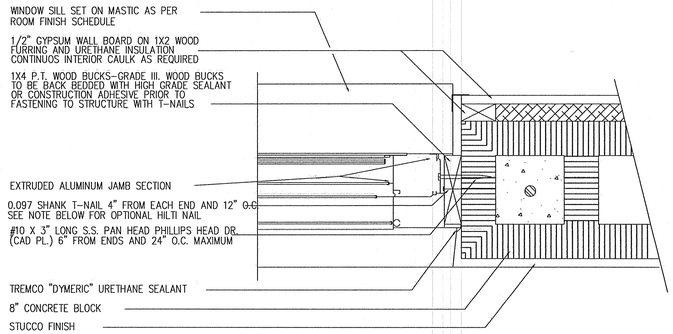
ALUMINUM WINDOW DETAIL

Not To Scale



SLIDING GLASS DOOR JAMB DETAIL

Not To Scale



ALUMINUM WINDOW JAMB DETAIL

Not To Scale

- PROVISIONS FOR INTRUSION AND BURGLARY SECURITY SHALL BE AS SET FORTH IN CHAPTER 36 OF THE FLORIDA BUILDING CODE (SECURITY AND FORCED ENTRY PREVENTION), AND SHALL OTHERWISE COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- EXTERIOR EXIT DOORS, IF OPERABLE FROM THE EXTERIOR, SHALL HAVE AT LEAST ONE LOCK THAT IS KEY OPERATED FROM THE EXTERIOR. LOCKS ON EXTERIOR DOORS SHALL HAVE A MINIMUM OF SIX THOUSAND POSSIBLE KEY CHANGES OR LOCKING COMBINATIONS. WHERE KEY – IN – THE – KNOB LATCH SET IS USED, THERE SHALL BE AN AUXILIARY DEAD BOLT TYPE LOCK PROVIDED. SWINGING EXTERIOR DOORS AND DOORS CONNECTING GARAGE AREAS AND LIVING AREAS SHALL BE SECURED WITH A LATCH AND A SINGLE DEAD BOLT WITH ONE INCH MINIMUM THROW, OR A COMBINATION DEAD LATCH AND DEAD BOLT SET. DEAD BOLTS SHALL BE HARDENED OR CONTAIN INSERTS. LOCKS ON DOORS, WHERE SUCH LOCKS ARE REQUIRED TO BE INTRUSION AND BURGLAR RESISTANT, SHALL BE CAPABLE OF RESISTING A FORCE OF THREE HUNDRED POUNDS APPLIED IN ANY MOVABLE DIRECTION.
- OVERHEAD TYPE DOORS IN EXTERIOR WALLS SHALL BE PROVIDED WITH MULTIPLE INSERT LOCKS, OR BE LOCKED AT MORE THAN ONE POINT WITH HARDENED BOLTS OR BOLTS WITH INSERTS, ENGAGING AT LEAST TWO OPPOSITE POINTS A MINIMUM OF 5/8" OF AN INCH. OTHER LOCKING DEVICES ON SUCH DOORS SHALL NOT BE REQUIRED WHERE THE DOORS ARE CONTROLLED AND LOCKED BY ELECTRICAL POWER.
- SLIDING GLASS DOORS IN EXTERIOR WALLS AND ACCESSIBLE FROM THE OUTSIDE SHALL BE PROVIDED WITH SLIDING DOOR DEAD BOLTS OR A BOLT OR PIN NOT REMOVABLE OR OPERABLE FROM THE EXTERIOR, AT THE JAMB, HEAD, SILL OR AT THE MEETING MULLIONS. SUCH DOOR SHALL BE REINFORCED IN THE STRIKE AND LOCK AREA TO MAINTAIN BOLT STRENGTH EFFECTIVENESS WHERE NECESSARY TO MEET THE REQUIREMENTS OF CHAPTER 8 – C SUCH DOORS SHALL HAVE NO SCREWS REMOVABLE FROM THE OUTSIDE WHICH IF REMOVED WOULD FACILITATE READY ENTRY, NOR SHALL ANY DOOR LEAF WHEN CLOSED AND LOCKED BE OPENABLE FROM THE OUTSIDE.
- EXTERIOR WINDOWS SHALL BE LOCKED WITH DEVICES ON THE INSIDE CAPABLE OF WITHSTANDING A FORCE OF ONE HUNDRED FIFTY POUNDS APPLIED IN ANY OPERABLE DIRECTION. EXTERIOR WINDOWS FOR EMERGENCY EGRESS SHALL ALSO COMPLY WITH PARAGRAPH 3111.2(b)(3) OF THE SOUTH FLORIDA BUILDING CODE. ALL WINDOWS SHALL BE CONSTRUCTED SO THAT WHERE FIXED OR LOCKED THEY CANNOT BE REMOVED FROM THE FRAMES FROM THE OUTSIDE UNLESS THE WINDOW OPENING IS PROTECTED AS PROVIDED IN PARAGRAPH 3604.4(f) OF THE SOUTH FLORIDA BUILDING CODE, OR BY AN APPROVED EQUIVALENT SECURITY DEVICE.
- SLIDING GLASS DOORS AND HORIZONTALLY SLIDING WINDOWS SHALL BE CONSTRUCTED AND INSTALLED SO THAT NO PANEL CAN BE LIFTED FROM THE TRACKS WHEN IN LOCKED POSITION.
- HINGES, WITH HINGE PINS EXPOSED TO THE OUTSIDE, OF ALL EXTERIOR DOORS SHALL HAVE NONREMOVEABLE PINS, OR SHALL BE OF INTERLOCKING STUD TYPE AND SUCH HINGES SHALL HAVE NONEXPOSED SCREWS.
- JAMBS OF ALL EXTERIOR OFFSET TYPE IN SWINGING DOORS SHALL BE RABBETED OR OF SIMILAR FABRICATION TO PREVENT DEFEATING THE PURPOSE OF THE STRIKE AND THE INTEGRITY OF LOCKS AND LATCHES

BURGLARY NOTES

REVISIONS:

REV.1

REV.2

REV.3

ADONAI design & const. inc.
CLAUDIO A. FOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE

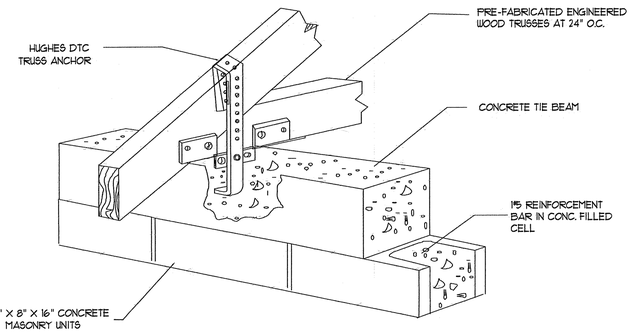
CLIENT: YAIMI DIAZ CAMPO

ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

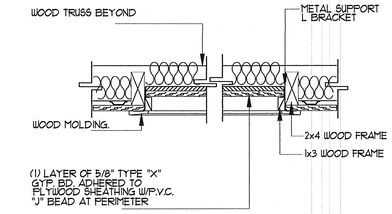
OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: DETAILS
Drawn By: CG
Scale: --
Date : 11/11

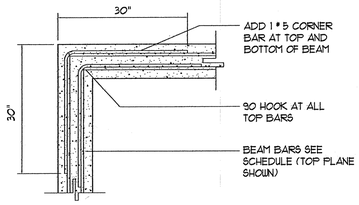
D-2



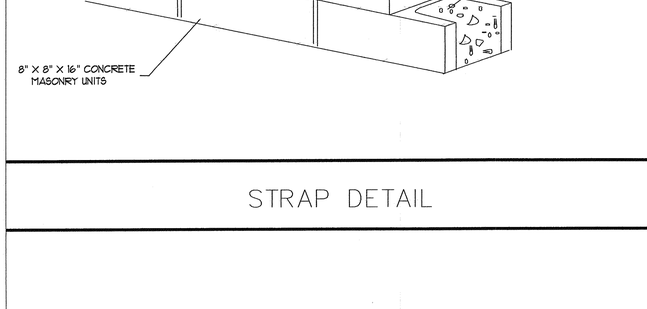
STRAP DETAIL



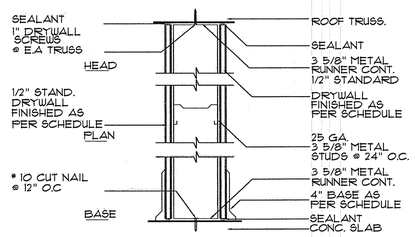
ATTIC ACCESS DETAIL



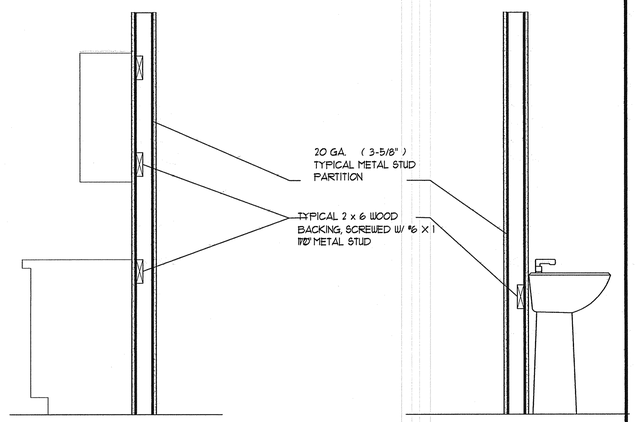
CORNER BEAM DETAIL



CONCRETE BEAM DETAIL AT OPENINGS



4" WIDE, NON-BEARING PARTITION



TYP. WOOD BACKING DETAILS

SOFFIT VENT CALCULATIONS

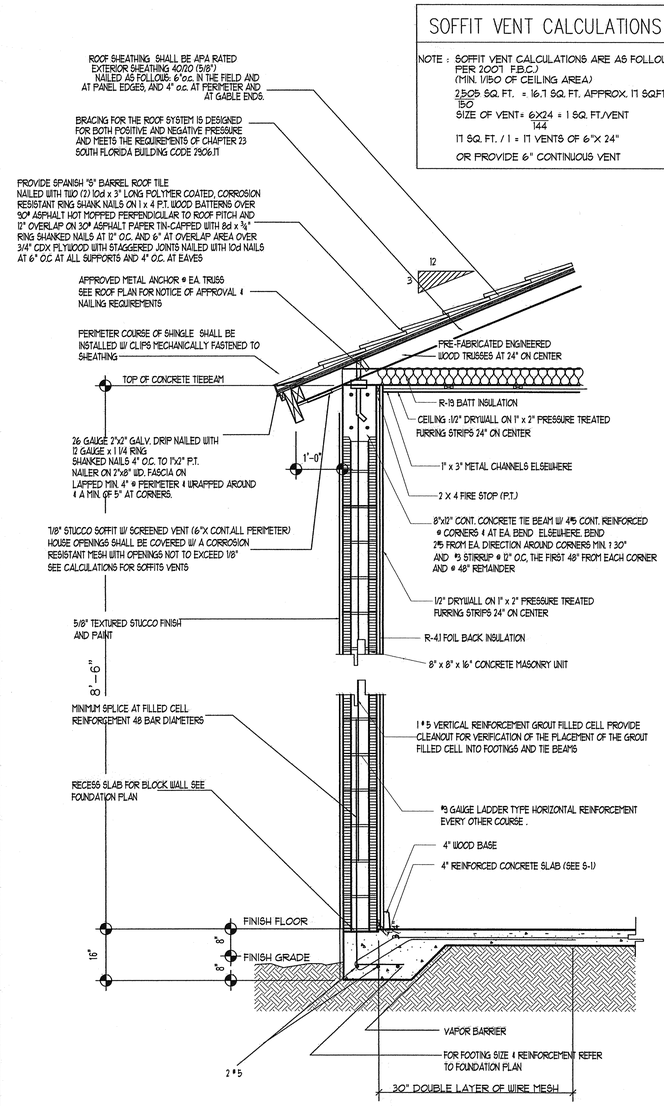
NOTE : SOFFIT VENT CALCULATIONS ARE AS FOLLOWS PER 2007 F.B.C.)
(MIN. 1/150 OF CEILING AREA)

$\frac{2505}{150}$ SQ. FT. = 16.7 SQ. FT. APPROX. 17 SQ.FT.

SIZE OF VENT = $\frac{6 \times 24}{144}$ = 1 SQ. FT./VENT

17 SQ. FT. / 1 = 17 VENTS OF 6"X 24"

OR PROVIDE 6" CONTINUOUS VENT



TYPICAL WALL SECTION

REVISIONS:

REV.1
REV.2
REV.3

ADONAI
design & const. inc.
CLAUDIO A. JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8664
2807 SW 69 COURT MIAMI, FLORIDA. 33155

NEW RESIDENCE

YAIMI DIAZ CAMPO

CLIENT:

ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13209 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: DETAILS
Drawn By: CG
Scale: --
Date : 11/11

D-3

SIEMENS TYPE LOAD CENTER 10000 AIC — 150 m.l.o

120/240 V., 1ϕ, 3W

ELECTRICAL LOAD CALCULATIONS

NEMA 1 FLUSH

CKT. NO.	BREAKER TRIP	BREAKER POLE	DESCRIPTION	BRCH/CKT	LOAD	CKT. NO.	BREAKER TRIP	BREAKER POLE	DESCRIPTION	BRCH/CKT	LOAD
1,3	50	2	RANGE	* 6 THW IN 3/4"C	12,000	2,4	30	2	WATER HEATER	10	4,500
5,7	40	2	A/C COND. UNIT	8	6,785	6,8	60	2	AHU	4	10,000
9,11	30	2	DRYER	10	5,000	10	15	1	GENERAL LTS RECEPTS	12	600
						12	15	1	GENERAL LTS RECEPTS	12	600
13	20	1	DISHWASHER	12	1,200	14	20	1	REFRIGERATOR	12	1,000
15	20	1	GENERAL LTS RECEPTS	12	600	16,18	20	1	APPLIANCES	12	3,000
17	15	1	GENERAL LTS RECEPTS	12	600						
19	20	1	WASHER MACHINE	12	1,500	20	20	1	RECEP. (GFI) BATH	12	600
21	20	1	GENERAL LTS RECEPTS	12	600	22	20	1	RECEP. (GFI) EXT.	12	600
23	20	1	KITCHEN, DINING	12	1500	24	15	1	GENERAL LTS RECEPTS	12	600
25	15	1	GENERAL LTS RECEPTS	12	600	26	15	1	GENERAL LTS RECEPTS	12	600
27,29	20	2	WELL PUMP	12	1,880	28			SPARE		
					25,480						22,100
					23,600						

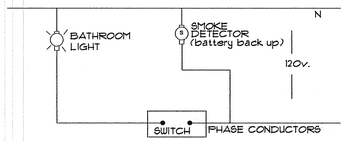
DEMAND LOAD

1st 10,000 @ 100% = 10,000
Next 37,580 @ 40% = 15,032
A/C LOAD @ 100 % (6,785) = 6,785

31,817 VA/240 A =133 A

TOTAL AMPS =133 AMPS
PROVIDE 150 AMP

ROMEX IS ALLOWED TO BE USED IN BRANCH CIRCUITS



ALL SMOKE DETECTORS DEVICES MUST BE INTERCONNECTED TO BE ACTIVATED SIMULTANEOUSLY AND SOUND THE ALARM AT THE SAME TIME.

ALL SMOKE DETECTORS MUST BE AT 3' MINIMUM FROM A/C VENTS.

NOTES:

- PROVIDED ARCH/FAULT PROTECTION THROUGH OUT HOUSE AS PER 2008 NEC 210.12 b
- PROVIDE TAMPER PROOF RECEPT THROUGH OUT HOUSE AS PER 2008 406.11

GENERAL NOTES

SMOKE DETECTOR W/ BATTERY BACKUP HARDWIRED
TO KITCHEN OR BATHROOM NON SWITCHABLE LIGHT CIRCUIT (NON GFI)
USE OF ROMEX AS PER F.B.C. 2007
BATH, GARAGE, OUTSIDE RECEPTACLES AND RECEPTACLES AT KITCHEN COUNTERTOPS MUST BE GFI
ALL WORK TO BE DONE IN ACCORDANCE W/NEC AND ALL LOCAL CODES
ELECTRICAL CONTRACTOR TO COORDINATE ELECTRICAL METER CAN LOCATION WITH POWER COMPANY

F.E.M.A. NOTES

1) ELECTRICAL OUTLETS (RECEPTACLES AND LIGHTING) BELOW BASE FLOOD ELEVATION SHALL BE INSTALLED AT THE HIGHEST PERMITTED ELEVATION AND SHALL BE INSTALLED (SEPARATE) INDEPENDENT CIRCUITS FROM THOSE CIRCUITS IN THE HABITABLE AREAS

2) NO APPLIANCES OR APPLIANCE OUTLETS SHALL BE INSTALLED BELOW BASE FLOOD ELEVATION

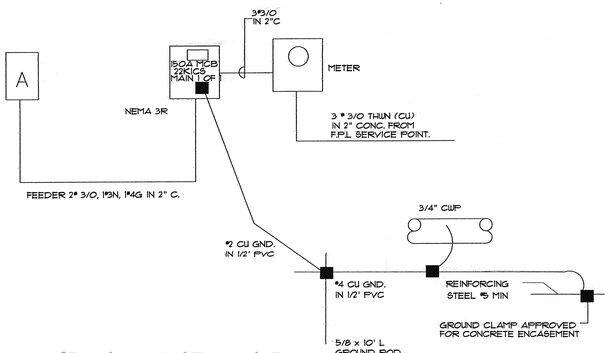
3) A/C COMPRESSORS SHALL BE INSTALLED ABOVE BASE FLOOD ELEVATION

4) MAIN CIRCUIT BREAKER PANELS SHALL BE LOCATED ABOVE BASE FLOOD ELEVATION

5) IT IS SUGGESTED THAT YOU CONFER WITH FLORIDA POWER AND LIGHT TO LOCATE THE ELECTRIC METER TO COMPLY WITH FEDERAL EMERGENCY MANAGEMENT AGENCY REQUIREMENTS

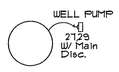
ELECTRICAL SYMBOL LEGEND

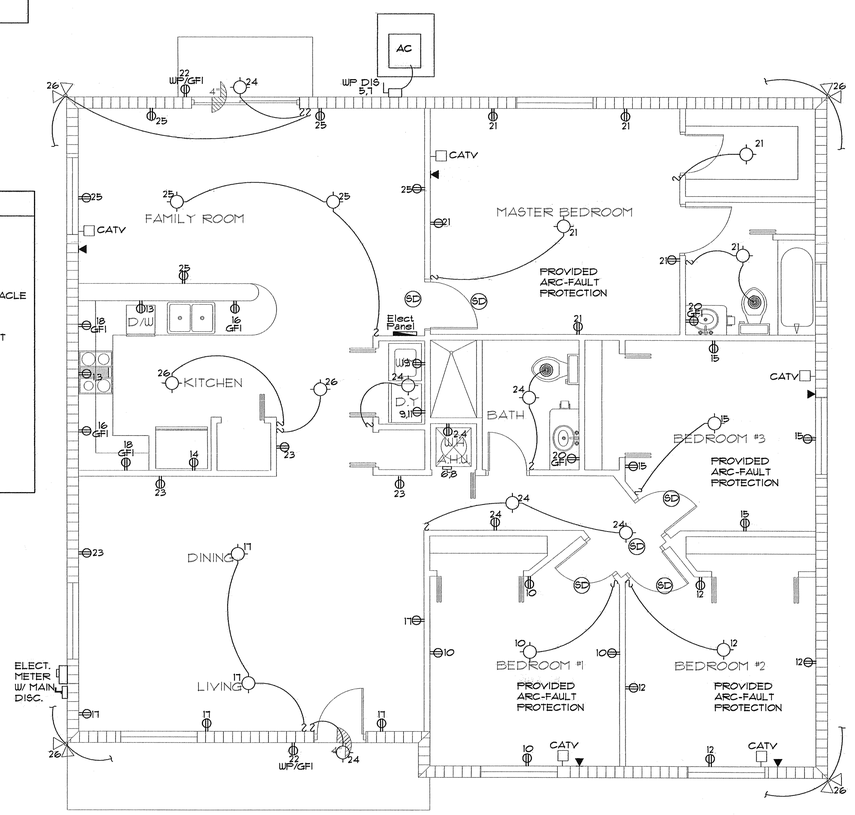
- DUPLEX WALL RECEPTACLE
- SWITCHABLE WALL RECEPTACLE
- SINGLE WALL RECEPTACLE
- 220V SPECIAL 220 WALL RECEPTACLE
- RECESSED LIGHT
- CEILING LIGHT
- SD SMOKE DETECTOR
- CATV CABLE TELEVISION OUTLET
- TELEPHONE WALL JACK
- CEILING FAN
- CM CARBON MONOXIDE ALARM
- WALL MOUNTED LIGHT
- S3 THREE WAY SWITCH
- S SWITCH
- GARAGE DOOR PUSH BUTTON
- CEILING MOUNTED DUPLEX RECEPTACLE
- FLUORESCENT CEILING LIGHT
- UNDER CABINET FLUORESCENT LIGHT
- GFI G.F.I. WALL RECEPTACLE
- EXHAUST FAN
- VAPOR PROOF RECESSED LIGHT
- JUNCTION BOX
- HI-HATS
- FLOOD LIGHTS
- BUILT-IN DISCON.



ELECTRICAL RISER DIAGRAM

NTS





ELECTRICAL PLAN

SC: 1/4" = 1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YADMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: ELECT. PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

E-1

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	YAIMI'S NEW RESIDENCE	Builder Name:	miami
Street:	228 SW 117 AVE.	Permit Office:	MIAMI-DADE
City, State, Zip:	MIAMI , FL , 3319-0	Permit Number:	
Owner:	YAIMI DIAZ	Jurisdiction:	231000
Design Location:	FL, Miami		

1. New construction or existing — New (From Plans)
2. Single family or multiple family — Single-family
3. Number of units, if multiple family — 1
4. Number of Bedrooms — 4
5. Is this a worst case? — No
6. Conditioned floor area (ft²) — 1694

7. Windows		Description	Area
a.	U-Factor:	Sgl, U=1.20	155.11 ft²
	SHGC:	SHGC=0.80	
b.	U-Factor:	Dbl, U=1.20	18.40 ft²
	SHGC:	SHGC=0.80	
c.	U-Factor:	N/A	ft²
	SHGC:		
d.	U-Factor:	N/A	ft²
	SHGC:		
e.	U-Factor:	N/A	ft²
	SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Concrete Block - Ext Insul, Exterior	R=4.1	1362.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=19.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
   a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 415 ft²

12. Cooling systems
   a. Central Unit — Cap: 46 kBtu/hr, SEER: 13

13. Heating systems
   a. Electric Strip Heat — Cap: 34 kBtu/hr, COP: 1

14. Hot water systems
   a. Electric — Cap: 50 gallons, EF: 0.93
   b. Conservation features
      None

15. Credits — None

Glass/Floor Area: 0.102

Total As-Built Modified Loads: 46.39

Total Baseline Loads: 55.35

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: ______________________
DATE: ______________________

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: ______________________
DATE: ______________________

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: ______________________
DATE: ______________________

- **Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.**

PROJECT

Title:	YAIMI'S NEW RESIDENCE	Bedrooms:	4	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	YAIMI DIAZ	Conditioned Area:	1694	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	miami	Worst Case:	No	Street:	228 SW 117 AVE.
Permit Office:	MIAMI-DADE	Rotate Angle:	0	County:	DADE
Jurisdiction:	231000	Cross Ventilation:		City, State, Zip:	MIAMI , FL , 3319-0
Family Type:	Single-family	Whole House Fan:			
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Miami	FL_MIAMI_INTL_AP	1	51	90	75	70	149.5	56	Low

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	167 ft	0	1694 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Composition shingles	1835 ft²	0 ft²	Medium	0.96	No	0	22.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Partial cathedral cei	Vented	300	1694 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	19	1694 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	N	Exterior	Concrete Block - Ext Insul	4.1	359.33 ft²	0	0	0.75
____	2	S	Exterior	Concrete Block - Ext Insul	4.1	359.33 ft²	0	0	0.75
____	3	E	Exterior	Concrete Block - Ext Insul	4.1	321.9 ft²	0	0	0.75
____	4	W	Exterior	Concrete Block - Ext Insul	4.1	321.9 ft²	0	0	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
____	1	S	Wood	None	0.46	23.33 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	Metal	Single (Clear)	Yes	1.2	0.8	N	18.4 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	2	N	Metal	Single (Clear)	Yes	1.2	0.8	N	40 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	3	S	Metal	Single (Clear)	Yes	1.2	0.8	N	55.21 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	4	E	Metal	Double (Tinted)	Yes	1.2	0.8	N	18.4 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	5	E	Metal	Single (Clear)	Yes	1.2	0.8	N	4.69 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	6	W	Metal	Single (Clear)	Yes	1.2	0.8	N	36.81 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	Forced Ventilation Supply CFM	Forced Ventilation Exhaust CFM	Run Time Fraction	Fan Watts
____	Default	0.00036	1600	6.93	87.8	165.2	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
____	1	Central Unit	None	SEER: 13	46 kBtu/hr	1380 cfm	0.75	True

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
____	1	Electric Strip Heat	None	COP: 1	34 kBtu/hr	True

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	0.93	50 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
____	None	None			ft²		

DUCTS

√	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
____	1	Attic	6	415 ft²	Attic	103.75	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: N Ceiling Fans:

Cooling	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Heating	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: 228 SW 117 AVE.
MIAMI, FL, 3319-0

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	✓
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	n/a
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	✓

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	n/a
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 84

The lower the EnergyPerformance Index, the more efficient the home.

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	1694	

7. Windows**	Description	Area
a. U-Factor:	Sgl, U=1.20	155.11 ft²
SHGC:	SHGC=0.80	
b. U-Factor:	Dbl, U=1.20	18.40 ft²
SHGC:	SHGC=0.80	
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Concrete Block - Ext Insul, Exterior	R=4.1	1362.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=19.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
   a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 415 ft²

12. Cooling systems
   a. Central Unit — Cap: 46 kBtu/hr, SEER: 13

13. Heating systems
   a. Electric Strip Heat — Cap: 34 kBtu/hr, COP: 1

14. Hot water systems
   a. Electric — Cap: 50 gallons, EF: 0.93
   b. Conservation features
      None

15. Credits — None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: [signature] Date: 11/21/2011

Address of New Home: 228 SW 117 Ave City/FL Zip: Miami, FL

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	YAIMI'S NEW RESIDENCE	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	YAIMI DIAZ CAMPO	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	4	**Subdivision:**	N/A
Builder Name:	(blank)	**Conditioned Area:**	1694	**Platbook:**	N/A
Climate:	South	**Total Stories:**	1	**Street:**	228 SW 117 AVE.
Permit Office:	MIAMI-DADE	**Worst Case:**	No	**County:**	DADE
Jurisdiction #:	(blank)	**Rotate Angle:**	(blank)	**City, St, Zip:**	MIAMI, FL, 33190-

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	167.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Wood	Exterior	20.0 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	19.0	1694.0 ft²	1694.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit	SEER: 13.00	46.0 kBtu/hr

Credit Multipliers: None

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Concrete Block - Ext Insul	Exterior	4.1	1362.0 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Strip	COP: 1.00	34.0 kBtu/hr

Credit Multipliers: None

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Single	Clear	N	18.4 ft²	1.0 ft	5.4 ft	1
2	Single	Clear	N	40.0 ft²	1.0 ft	8.3 ft	1
3	Single	Clear	S	19.5 ft²	1.0 ft	5.4 ft	3
4	Single	Clear	E	4.7 ft²	1.0 ft	3.3 ft	1
5	Single	Clear	E	18.4 ft²	1.0 ft	5.4 ft	1
6	Single	Clear	W	18.4 ft²	1.0 ft	5.4 ft	2

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Uncond.	Cond.	Interior	6.0	20.0 ft

Credit Multipliers: AHU sealed

WATER

#	System Type	EF	Cap.	Conservation Type	Con. EF
1	Electric Resistance	0.93	50.0	None	0.00

REFR.

#	Use Default?	Annual Operating Cost	Electric Rate
1	Yes	N/A	N/A

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	1694.0	**Leak Free Duct System Proposed:**	No	**Stove Type:**	Electric
NOTE: Not all Rating info shown		**HRV/ERV System Present?:**	No	**Avg Ceil Hgt:**	

Residential System Sizing Calculation

Summary

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

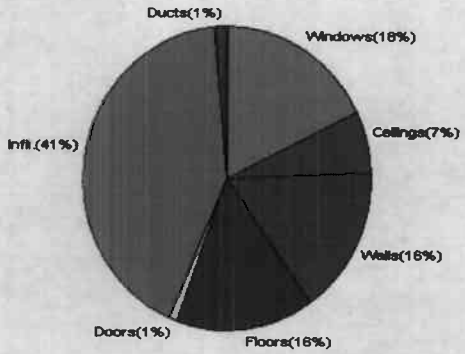
11/21/2011

Location for weather data: Miami - Defaults: Latitude(25) Altitude(11 ft.) Temp Range(L) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(58gr.)					
Winter design temperature	50	F	Summer design temperature	90	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	20	F	Summer temperature difference	15	F
Total heating load calculation	**24787**	**Btuh**	**Total cooling load calculation**	**40567**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Strip)	137.2	34000	Sensible (SHR = 0.75)	115.5	34500
			Latent	107.4	11500
			Total	113.4	46000

WINTER CALCULATIONS

Winter Heating Load (for 1694 sqft)

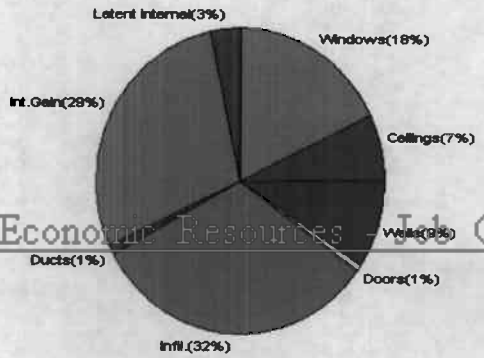
Load component			Load	
Window total	177	sqft	4491	Btuh
Wall total	1362	sqft	3965	Btuh
Door total	20	sqft	216	Btuh
Ceiling total	1694	sqft	1661	Btuh
Floor total	167	sqft	3941	Btuh
Infiltration	461	cfm	10146	Btuh
Duct loss			367	Btuh
Subtotal			**24787**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**24787**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1694 sqft)

Load component			Load	
Window total	177	sqft	7251	Btuh
Wall total	1362	sqft	3826	Btuh
Door total	20	sqft	324	Btuh
Ceiling total	1694	sqft	2823	Btuh
Floor total			0	Btuh
Infiltration	231	cfm	3805	Btuh
Internal gain			11610	Btuh
Duct gain			218	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**29858**	**Btuh**
Latent gain(ducts)			215	Btuh
Latent gain(infiltration)			9094	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1400	Btuh
Total latent gain			**10709**	**Btuh**
TOTAL HEAT GAIN			**40567**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

Manual J Winter Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

11/21/2011

EQUIPMENT		
1. Electric Strip		34000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

Reference City: Miami (Defaults) Winter Temperature Difference: 20.0 F

11/21/2011

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	18.4	25.4	467 Btuh
2	1, Clear, Metal, 1.27	N	40.0	25.4	1016 Btuh
3	1, Clear, Metal, 1.27	S	58.5	25.4	1486 Btuh
4	1, Clear, Metal, 1.27	E	4.7	25.4	119 Btuh
5	1, Clear, Metal, 1.27	E	18.4	25.4	467 Btuh
6	1, Clear, Metal, 1.27	W	36.8	25.4	935 Btuh
	Window Total		177(sqft)		4491 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete Blk, - Ext(0.15)	4.1	1362	2.9	3965 Btuh
	Wall Total		1362		3965 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exterior		20	10.8	216 Btuh
	Door Total		20		216Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Tile	19.0	1694	1.0	1661 Btuh
	Ceiling Total		1694		1661Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	167.0 ft(p)	23.6	3941 Btuh
	Floor Total		167		3941 Btuh
			Envelope Subtotal:		14274 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	2.00	13840	1362 461.3	10146 Btuh
Ductload				(DLM of 0.015)	367 Btuh
All Zones			**Sensible Subtotal All Zones**		**24787 Btuh**

WHOLE HOUSE TOTALS

Subtotal Sensible	24787 Btuh
Ventilation Sensible	0 Btuh
Total Btuh Loss	24787 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

11/21/2011

EQUIPMENT		
1. Electric Strip		34000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

Reference City: Miami (Defaults) Winter Temperature Difference: 20.0 F

11/21/2011

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	18.4	25.4	467 Btuh
2	1, Clear, Metal, 1.27	N	40.0	25.4	1016 Btuh
3	1, Clear, Metal, 1.27	S	58.5	25.4	1486 Btuh
4	1, Clear, Metal, 1.27	E	4.7	25.4	119 Btuh
5	1, Clear, Metal, 1.27	E	18.4	25.4	467 Btuh
6	1, Clear, Metal, 1.27	W	36.8	25.4	935 Btuh
	Window Total		177(sqft)		4491 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete Blk, - Ext(0.15)	4.1	1362	2.9	3965 Btuh
	Wall Total		1362		3965 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exterior		20	10.8	216 Btuh
	Door Total		20		216Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Tile	19.0	1694	1.0	1661 Btuh
	Ceiling Total		1694		1661Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	167.0 ft(p)	23.6	3941 Btuh
	Floor Total		167		3941 Btuh
			Zone Envelope Subtotal:		14274 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	2.00	13840	1362 461.3	10146 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Cond) (DLM of 0.015)				367 Btuh
Zone #1			**Sensible Zone Subtotal**		**24787 Btuh**

WHOLE HOUSE TOTALS

Examiner	Date Time Stamp	Disp	Trade	Stamp Name	
				Subtotal Sensible	24787 Btuh
David Ferreira	3/20/2012 10:57:06 AM	A	MECH	Reviewed	0 Btuh
				Ventilation Sensible	
David Ferreira	3/20/2012 10:57:56 AM	D	MECH	Disapproved	24787 Btuh
				Total Btuh Loss	

Manual J Summer Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

11/21/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**29640 Btuh**
	Sensible Duct Load	218 Btuh
	Total Sensible Zone Loads	**29858 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**29858 Btuh**
	Latent infiltration gain (for 58 gr. humidity difference)	9094 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	215 Btuh
	Latent occupant gain (7 people @ 200 Btuh per person)	1400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**10709 Btuh**
	TOTAL GAIN	**40567 Btuh**

EQUIPMENT

1. Central Unit	#	46000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

Reference City: Miami (Defaults) Summer Temperature Difference: 15.0 F

11/21/2011

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, B-M, N,N	N	1ft.	5.41	18.4	0.0	18.4	27	27	496 Btuh
2	1, Clear, 1.27, B-M, N,N	N	1ft.	8.25f	40.0	0.0	40.0	27	27	1078 Btuh
3	1, Clear, 1.27, B-M, N,N	S	1ft.	5.41	58.5	58.5	0.0	27	30	1578 Btuh
4	1, Clear, 1.27, B-M, N,N	E	1ft.	3.33	4.7	0.0	4.7	27	68	321 Btuh
5	1, Clear, 1.27, B-M, N,N	E	1ft.	5.41	18.4	0.0	18.4	27	68	1259 Btuh
6	1, Clear, 1.27, B-M, N,N	W	1ft.	5.41	36.8	0.0	36.8	27	68	2519 Btuh
	Window Total				177 (sqft)					7251 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Concrete Blk, - Ext		4.1/0.15		1362.0			2.8		3826 Btuh
	Wall Total				1362 (sqft)					3826 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Wood - Exterior				20.0			16.2		324 Btuh
	Door Total				20 (sqft)					324 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkTile		19.0		1694.0			1.7		2823 Btuh
	Ceiling Total				1694 (sqft)					2823 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		167 (ft(p))			0.0		0 Btuh
	Floor Total				167.0 (sqft)					0 Btuh
							Envelope Subtotal:			14225 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)		CFM=	Load
	SensibleNatural		1.00		13840		1362		461.3	3805 Btuh
Internal gain			Occupants		Btuh/occupant				Appliance	Load
			7		X 230		+		10000	11610 Btuh
							Sensible Envelope Load:			29640 Btuh
Duct load							(DGM of 0.007)			218 Btuh
							Sensible Load All Zones			**29858 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

11/21/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**29640 Btuh**
	Sensible Duct Load	218 Btuh
	Total Sensible Zone Loads	**29858 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**29858 Btuh**
	Latent infiltration gain (for 58 gr. humidity difference)	9094 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	215 Btuh
	Latent occupant gain (7 people @ 200 Btuh per person)	1400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**10709 Btuh**
	TOTAL GAIN	**40567 Btuh**

EQUIPMENT

1. Central Unit	#	46000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Code Only
Professional Version
Climate: South

Reference City: Miami (Defaults) Summer Temperature Difference: 15.0 F 11/21/2011

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, B-M, N,N	N	1ft.	5.41	18.4	0.0	18.4	27	27	496 Btuh
2	1, Clear, 1.27, B-M, N,N	N	1ft.	8.25f	40.0	0.0	40.0	27	27	1078 Btuh
3	1, Clear, 1.27, B-M, N,N	S	1ft.	5.41	58.5	58.5	0.0	27	30	1578 Btuh
4	1, Clear, 1.27, B-M, N,N	E	1ft.	3.33	4.7	0.0	4.7	27	68	321 Btuh
5	1, Clear, 1.27, B-M, N,N	E	1ft.	5.41	18.4	0.0	18.4	27	68	1259 Btuh
6	1, Clear, 1.27, B-M, N,N	W	1ft.	5.41	36.8	0.0	36.8	27	68	2519 Btuh
	Window Total				177 (sqft)					7251 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Concrete Blk, - Ext		4.1/0.15		1362.0			2.8		3826 Btuh
	Wall Total				1362 (sqft)					3826 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Wood - Exterior				20.0			16.2		324 Btuh
	Door Total				20 (sqft)					324 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkTile		19.0		1694.0			1.7		2823 Btuh
	Ceiling Total				1694 (sqft)					2823 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		167 (ft(p))			0.0		0 Btuh
	Floor Total				167.0 (sqft)					0 Btuh
								Zone Envelope Subtotal:		14225 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)		CFM=	Load
	SensibleNatural		1.00		13840		1362		230.7	3805 Btuh
Internal gain			Occupants		Btuh/occupant				Appliance	Load
			7		X 230		+		10000	11610 Btuh
								Sensible Envelope Load:		29640 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Cond)							(DGM of 0.007)		218 Btuh
								Sensible Zone Load		**29858 Btuh**

Residential Window Diversity

MidSummer

YAIMI DIAZ CAMPO
228 SW 117 AVE.
MIAMI, FL 33190-

Project Title:
YAIMI'S NEW RESIDENCE

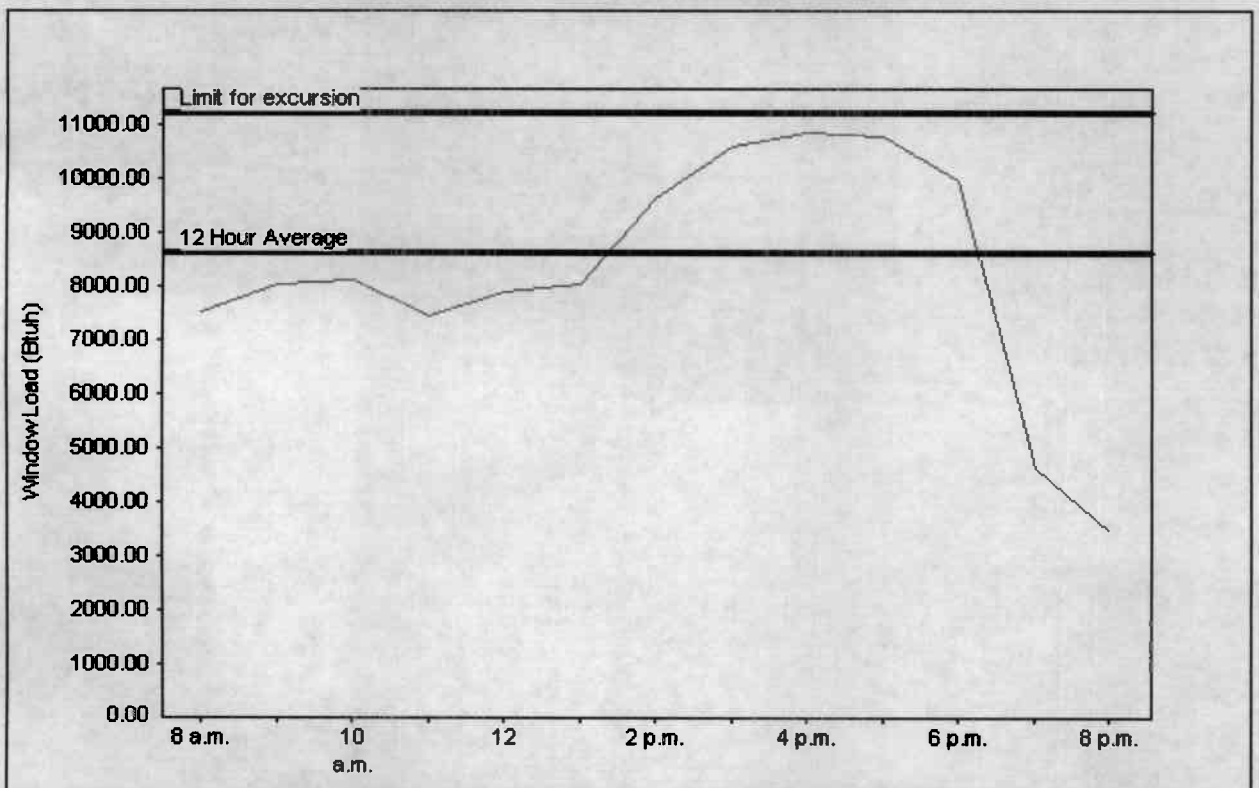
Code Only
Professional Version
Climate: South

11/21/2011

Weather data for: Miami - Defaults

Summer design temperature	90 F	Average window load for July	8628 Btuh
Summer setpoint	75 F	Peak window load for July	10847 Btu
Summer temperature difference	15 F	Excusion limit(130% of Ave.)	11217 Btu
Latitude	25 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE:

STRUCTURAL CALCULATIONS

NEW RESIDENCE:
228 SW 117 AVE.
MIAMI ,FLORIDA

Miami Dade County Department of Regulatory And Economic Resources - Job Copy
0000755322 - 10/24/2012 10:40:47 AM
GENERAL01-02282012.pdf

Examiner	Date Time Stamp	Disp.	Trade	Stamp Name
David Ferreira	3/20/2012 10:57:06 AM	A	MECH	Reviewed
David Ferreira	3/20/2012 10:57:56 AM	D	MECH	Disapproved

CLAUDIO A. JOFRE
2519 GALIANO ST.
CORAL GABLES,FL 33134

ADONAI design & const, inc.

STRUCTURAL CALCULATIONS

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax. (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 1 OF 48
CALC BY: _____ DATE 15MAR2011

1. WIND LOAD CALCULATIONS ASCE 7-05

WIND05 v1-13

Detailed Wind Load Design (Method 2) per ASCE 7-05

Analysis by: **Company Name:**
Description: 21703 SW 101 AVE

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	146	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	C	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	4.0	:12
Slope of Roof (Theta)	18.4	Deg
Type of Roof	Hipped	
Kd (Directonality Factor)	1	
Eave Height (Eht)	16.00	ft
Ridge Height (RHt)	20.00	ft
Mean Roof Height (Ht)	11.00	ft
Width Perp. To Wind Dir (B)	70.00	ft
Width Paral. To Wind Dir (L)	54.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.20
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	9.500	
zg =	900.000	
At =	0.105	
Bt =	1.000	
Bm =	0.650	
Cc =	0.200	
l =	500.00	ft
Epsilon =	0.200	
Zmin =	15.00	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	Zmin	15.00	ft
Izm	Cc * (33/z)^0.167	0.2281	
Lzm	l*(zm/33)^Epsilon	427.06	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9050	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8750	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi Max+	Gcpi 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**

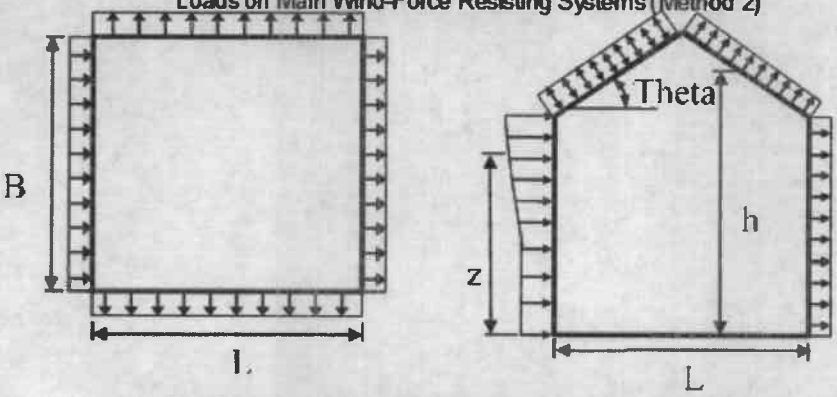
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)					
				Windward Wall*		Leeward Wall		Total	Shear
0			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)
20	0.90	1.00	49.21	25.13	41.80	-28.03	-11.35	53.15	14.88
16	0.86	1.00	46.96	23.59	40.27	-28.03	-11.35	51.62	18.50
15	0.85	1.00	46.32	23.16	39.84	-28.03	-11.35	51.19	72.24

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.85	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	46.32	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.85	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	46.32	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

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

Detailed Wind Load Design (Method 2) per ASCE 7-05

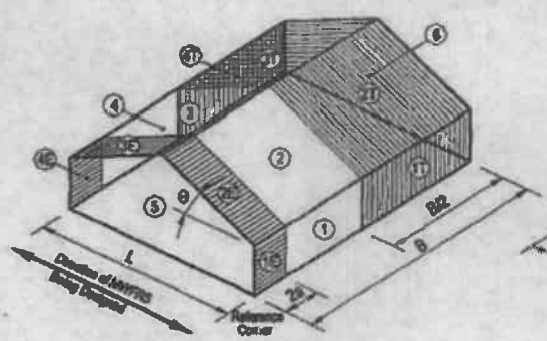
Calculations for Wind Normal to 70 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 70 ft wall)	-0.50	-28.03	-11.35
Leeward Walls (Wind Dir Normal to 54 ft wall)	-0.44	-25.69	-9.02
Side Walls	-0.70	-35.90	-19.22
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 70 ft face			
Windward - Min Cp	-0.36	-22.67	-5.99
Windward - Max Cp	0.14	-2.98	13.69
Leeward Normal to Ridge	-0.57	-30.70	-14.03
Overhang Top (Windward)	-0.36	-14.33	-14.33
Overhang Top (Leeward)	-0.57	-22.36	-22.36
Overhang Bottom (Applicable on Windward only)	0.80	31.93	31.93
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 54 ft face			
Dist from Windward Edge: 0 ft to 22 ft - Max Cp	-0.18	-15.43	1.25
Dist from Windward Edge: 0 ft to 5.5 ft - Min Cp	-0.90	-43.77	-27.10
Dist from Windward Edge: 5.5 ft to 11 ft - Min Cp	-0.90	-43.77	-27.10
Dist from Windward Edge: 11 ft to 22 ft - Min Cp	-0.50	-28.03	-11.35
Dist from Windward Edge: > 22 ft	-0.30	-20.15	-3.47

* Horizontal distance from windward edge

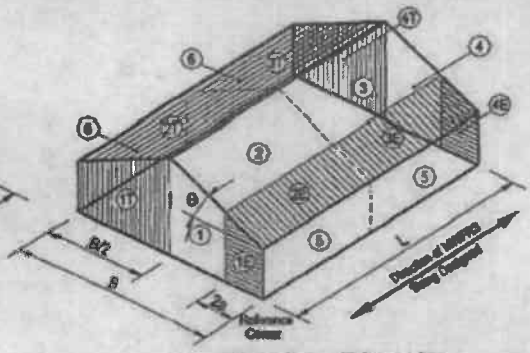
Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.85
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	46.32
Theta =	Angle of Roof	=	18.4 Deg



Transverse Direction



Longitudinal Direction

Torsional Load Cases

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.52	0.18	-0.18	46.32	15.57	32.25
2	-0.69	0.18	-0.18	46.32	-40.30	-23.62
3	-0.47	0.18	-0.18	46.32	-30.03	-13.35
4	-0.42	0.18	-0.18	46.32	-27.57	-10.89
5	-0.45	0.18	-0.18	46.32	-29.18	-12.51
6	-0.45	0.18	-0.18	46.32	-29.18	-12.51
1E	0.78	0.18	-0.18	46.32	27.78	44.46
2E	-1.07	0.18	-0.18	46.32	-57.90	-41.23
3E	-0.67	0.18	-0.18	46.32	-39.51	-22.83
4E	-0.62	0.18	-0.18	46.32	-36.95	-20.27

* p = qh * (GCpf - GCpi)

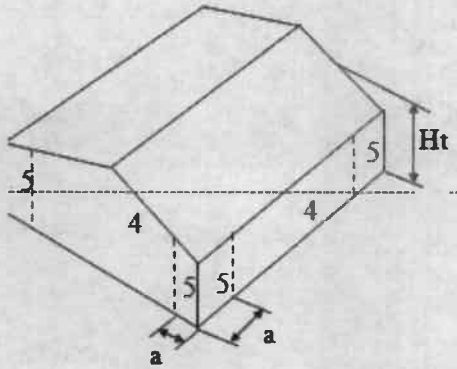
Figure 6-11 - External Pressure Coefficients, GCp

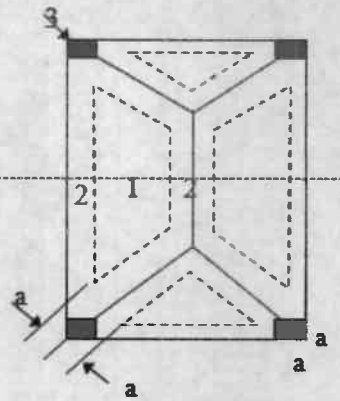
Loads on Components and Cladding for Buildings w/ Ht <= 60 ft

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 5 OF 48
CALC. BY: _____ DATE: 15MAR2011





Hipped Roof
7 < Theta <= 27

a = 4.4 ==> 4.40 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
Truss	42'-0"	2	42	588.00	1	0.30	-0.80	22.23	-45.40
Truss	42'-0"	2	42	588.00	2	0.30	-1.20	22.23	-63.93
Truss	42'-0"	2	42	588.00	3	0.30	-1.20	22.23	-63.93
Truss	32'-3"	2	32.25	346.69	1	0.30	-0.80	22.23	-45.40
Truss	32'-3"	2	32.25	346.69	2	0.30	-1.20	22.23	-63.93
Truss	32'-3"	2	32.25	346.69	3	0.30	-1.20	22.23	-63.93
Truss	8'-4"	2	8.33	23.13	1	0.43	-0.86	28.13	-48.34
Truss	8'-4"	2	8.33	23.13	2	0.43	-1.52	28.13	-78.65
Truss	8'-4"	2	8.33	23.13	3	0.43	-1.52	28.13	-78.65
Truss	15'-0"	2	15	75.00	1	0.32	-0.81	23.39	-45.98
Truss	15'-0"	2	15	75.00	2	0.32	-1.26	23.39	-66.82
Truss	15'-0"	2	15	75.00	3	0.32	-1.26	23.39	-66.82
				0.00	1	0.50	-0.90	31.50	-50.03
				0.00	2	0.50	-1.70	31.50	-87.09
				0.00	3	0.50	-1.70	31.50	-87.09
				0.00	4	1.00	-1.10	54.66	-59.29

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

2. LOAD ANALYSIS

LOADS:

DL(-Y) = 25 psf

LL(-Y) = 30 psf
or
LL(-Y) = Lr = $20 \times R_1 \times R_2$

Where:

$R_1 = 1$ for $A_t \leq 200$ sqf
$R_1 = 1.2-0.001 \times A_t$ for $200 < A_t < 600$ sqf
$R_1 = 0.6$ for $A_t \geq 600$ sqf

$R_2 = 1$ for $F \leq 4$
$R_2 = 1.2-0.001 \times 0.5xF$ for $4 < F < 12$ sqf
$R_2 = 1$ for $F \geq 12$

At = Tributary area (span length multiplied by effective width) in square feet supported by any structural member, and
F = for a sloped roof, the number of inches of rise per foot.

Then
$A_t = 75$ ft x 4 ft = 280 sqf $200<280<600$
$F = 0.25 < 4$

$R_1 = 1.2 - 0.001x\ 280 = 0.92$
$R_2 = 1$

Then Lr = 20 x 0.92x1 = 18.4 psf < 30 psf

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 331 55

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 7 OF 48
CALC BY: _____ DATE 15MAR2011

3. TRUSSES REACTIONS

PROJECT:
FOR :
ADDRESS:

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	42
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF.	2
SLOPE X:12	4

REACTIONS				
A (Ry)	1050	2685	9.13	2310
B (Ry)	1050	2685	9.13	2310
A (Rx)			63.90	
B (Rx)			63.90	

GRAVITY	2310	#
UPLIFT	2274	#
LATERAL	64	#

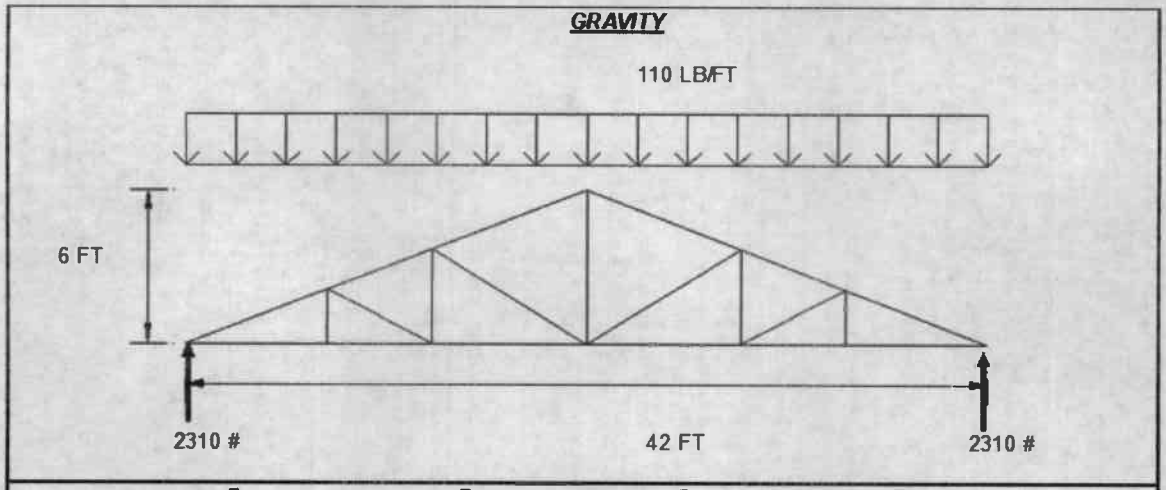
a = 4.4 FT
Y1 = 12.2 FT
X1 = 1.467 FT
X2 = 3.067 FT

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

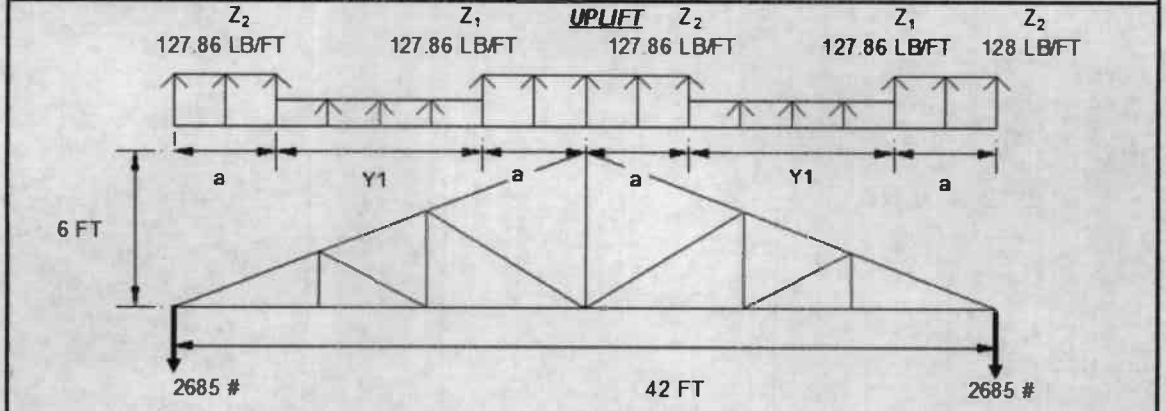
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 8 OF 48
CALC BY: _____ DATE: 15MAR2011

GRAVITY

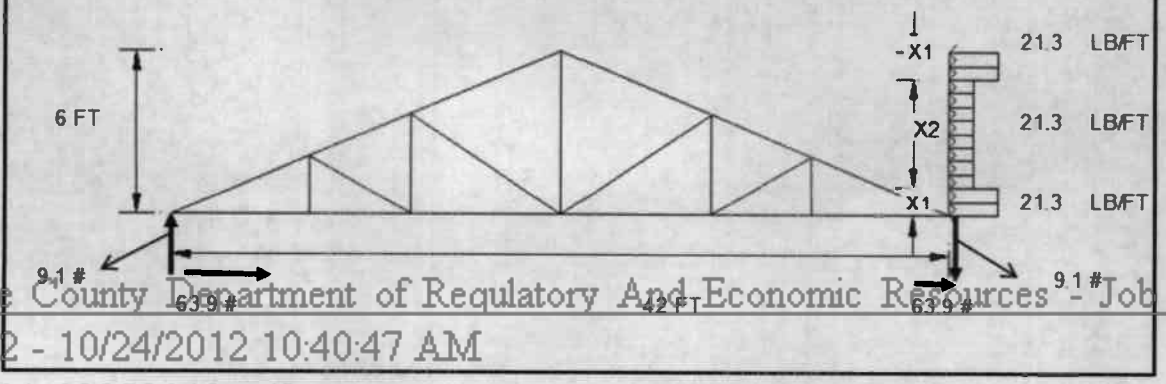


UPLIFT



∑10 PSF - WL(+Y)= 420 -2685.1 -9.1
NET UPLIFT = 2274 #

LATERAL



ADONAI design & const, inc.

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 9 OF 48
CALC BY: _____ DATE: 15MAR2011

PROJECT:
FOR :
ADDRESS:

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	32.25
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF.	2
SLOPE X:12	4

REACTIONS				
A (Ry)	806.25	2062	11.89	1773.75
B (Ry)	806.25	2062	11.89	1773.75
A (Rx)			63.90	
B (Rx)			63.90	

GRAVITY	1774	#
UPLIFT	1751	#
LATERAL	64	#

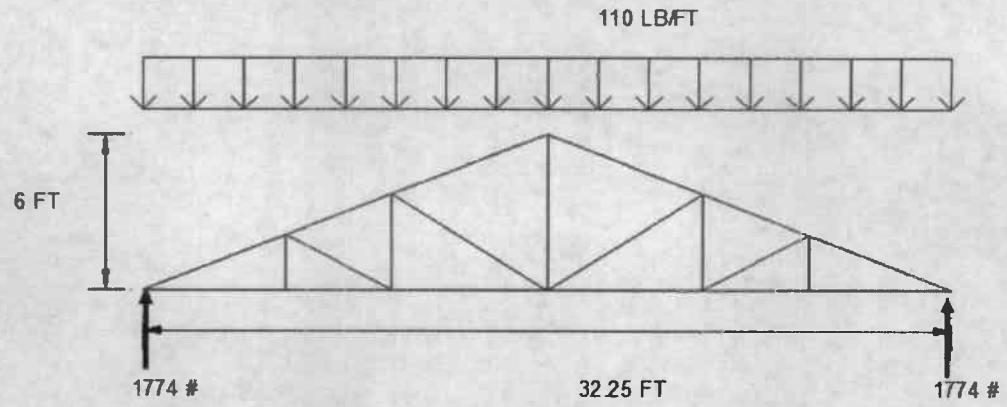
a = 4.4 FT
Y1 = 7.325 FT
X1 = 1.467 FT
X2 = 3.067 FT

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax. (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

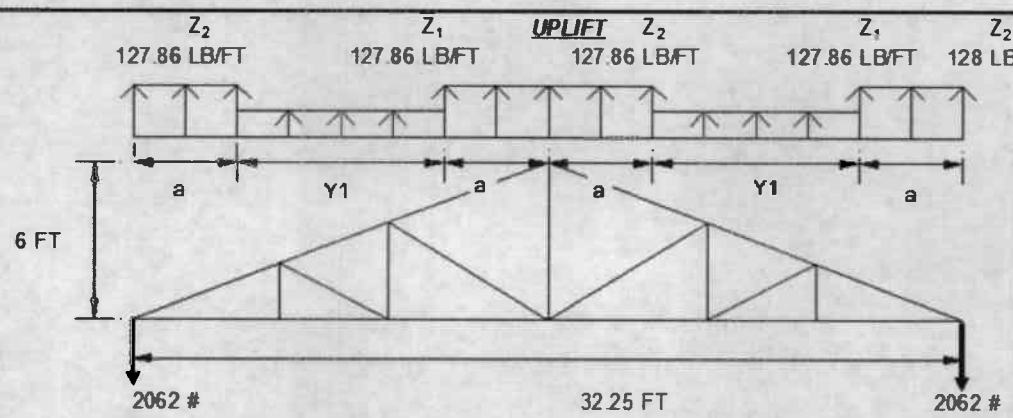
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 10 OF 48
CALC. BY: _____ DATE: 15MAR2011

GRAVITY

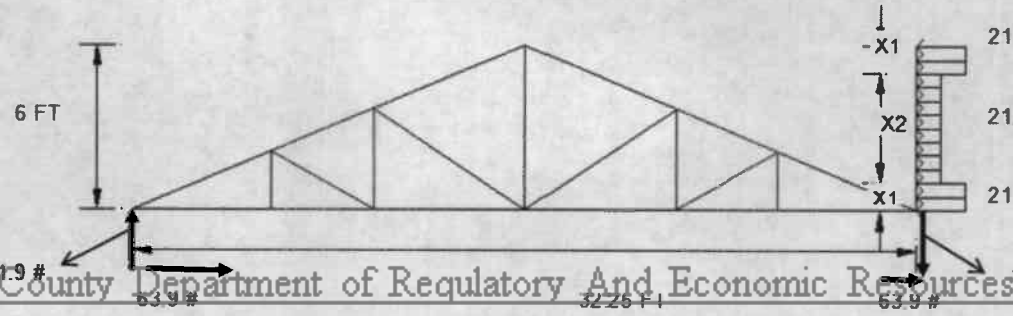


UPLIFT



∑10 PSF - WL(+Y)= 322.5 -2061.7 -11.9
NET UPLIFT = 1751 #

LATERAL



ADONAI design & const, inc.

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 11 OF 48
CALC. BY: _____ DATE: 15MAR2011

PROJECT:
FOR :
ADDRESS:

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	15
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF	2
SLOPE X:12	4

REACTIONS				
A (Ry)	375	959	25.56	825
B (Ry)	375	959	25.56	825
A (Rx)			63.90	
B (Rx)			63.90	

GRAVITY	825	#
UPLIFT	835	#
LATERAL	64	#

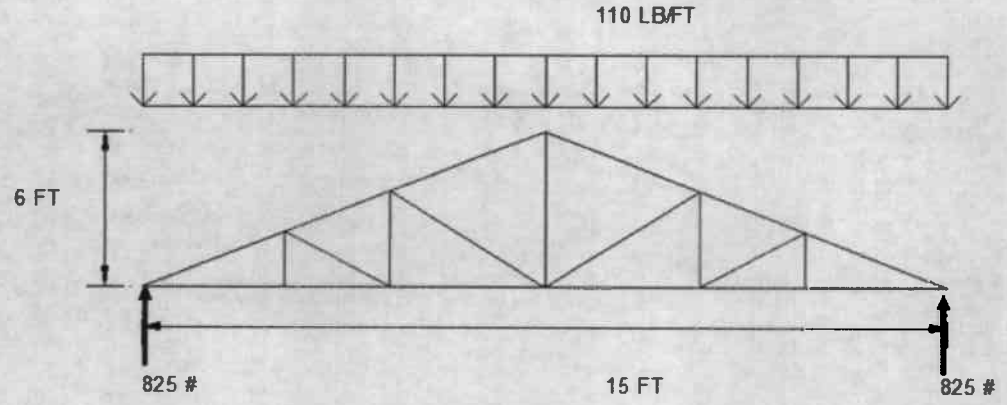
a = 4.4 FT
Y1 = -1.3 USE Y1 = 0
X1 = 1.467 FT
X2 = 3.067 FT

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax. (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

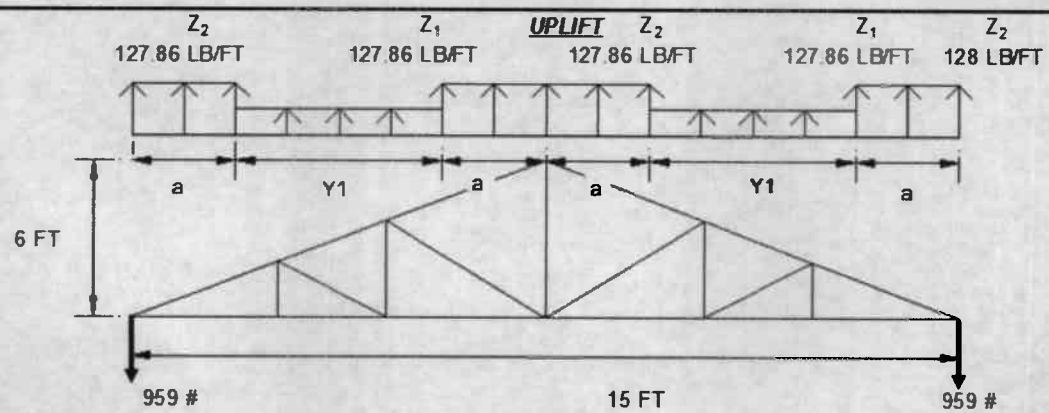
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 12 OF 48
CALC. BY: _____ DATE 15MAR2011

GRAVITY

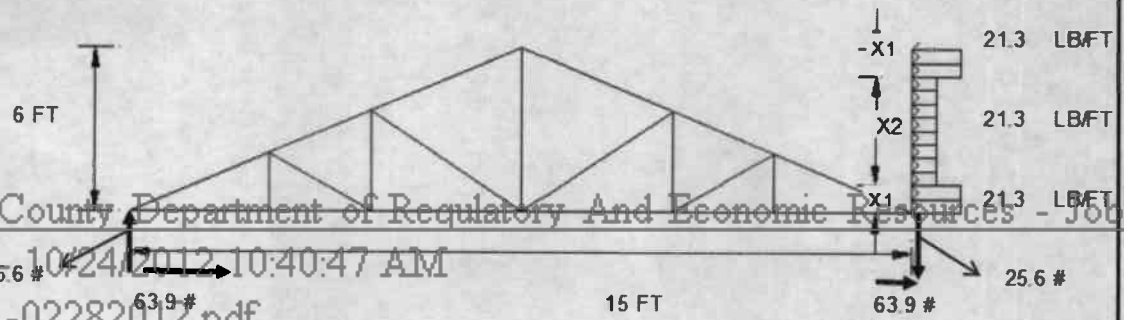


UPLIFT



∑10 PSF - WL(+Y)= 150 -959.0 -25.6
NET UPLIFT = 835 #

LATERAL



ADONAI design & const, inc.

CLAUDIO A. JOFRE /CONSULT. ENG / REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 13 OF 48
CALC. BY: _____ DATE: 15MAR2011

PROJECT:
FOR :
ADDRESS:

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	8.333
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF.	2
SLOPE X:12	4

REACTIONS				
A (Ry)	208.325	533	46.01	458.315
B (Ry)	208.325	533	46.01	458.315
A (Rx)			63.90	
B (Rx)			63.90	

GRAVITY	458	#
UPLIFT	495	#
LATERAL	64	#

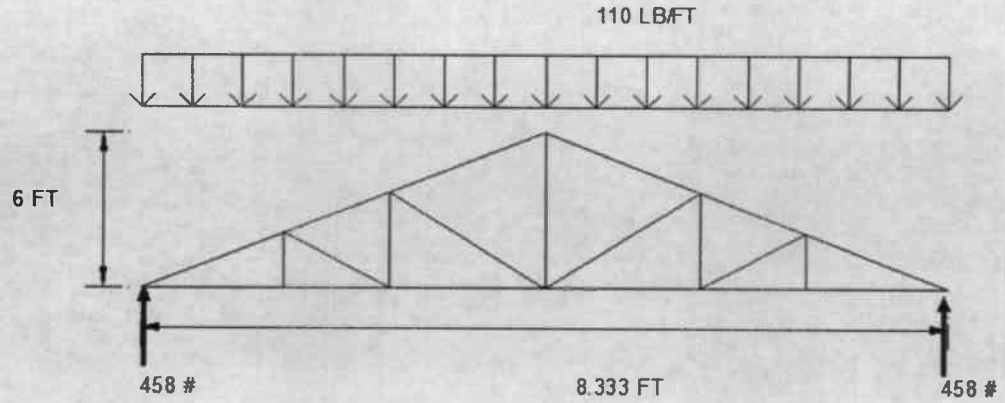
a = 4.4 FT
Y1 = 4.63 USE Y1 = 8
X1 = 1.467 FT
X2 = 3.067 FT

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone. (305) 263 8085 / Fax. (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

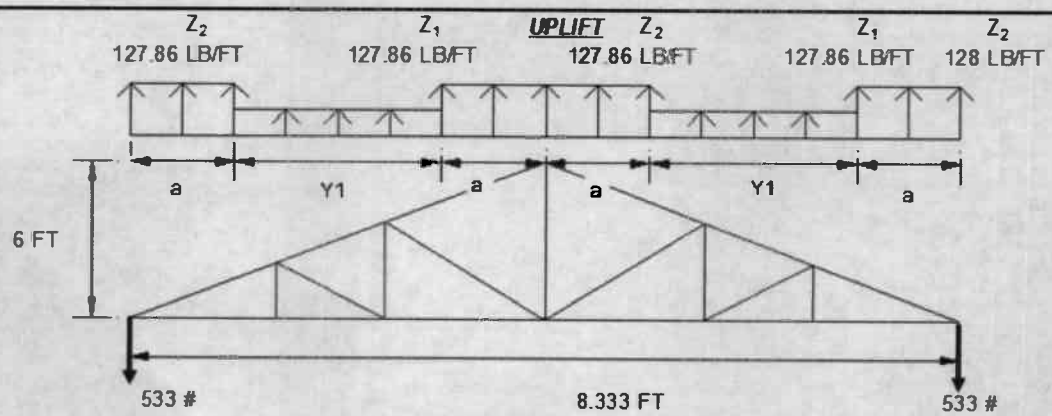
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 14 OF 48
CALC. BY: _____ DATE 15MAR2011

GRAVITY

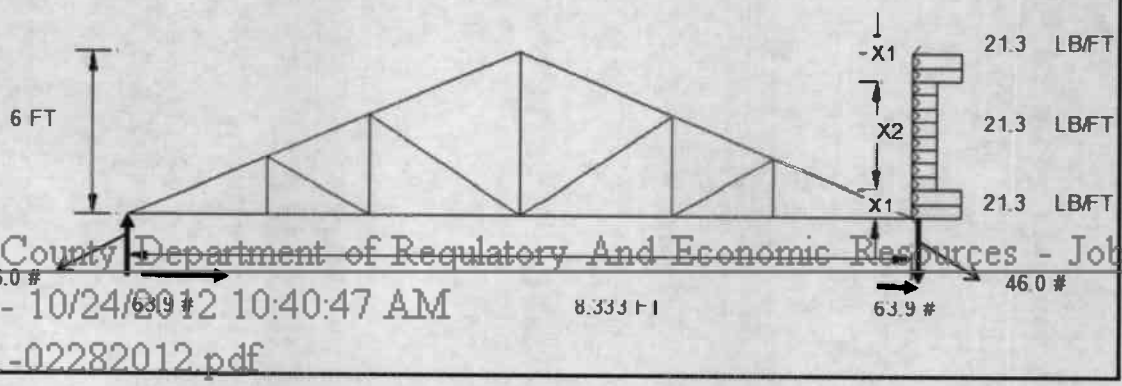


UPLIFT



∑10 PSF - WL(+Y)= 83.33 -532.7 -46.0
NET UPLIFT = 495 #

LATERAL



ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 15 OF 48
CALC. BY: _____ DATE: 15MAR2011

PROJECT:
FOR :
ADDRESS:

Girder Truss 15'-0"

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	15
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF.	5
SLOPE X:12	4

REACTIONS				
A (Ry)	937.5	2397	63.90	2062.5
B (Ry)	937.5	2397	63.90	2062.5
A (Rx)			159.75	
B (Rx)			159.75	

GRAVITY	2063	#
UPLIFT	2086	#
LATERAL	160	#

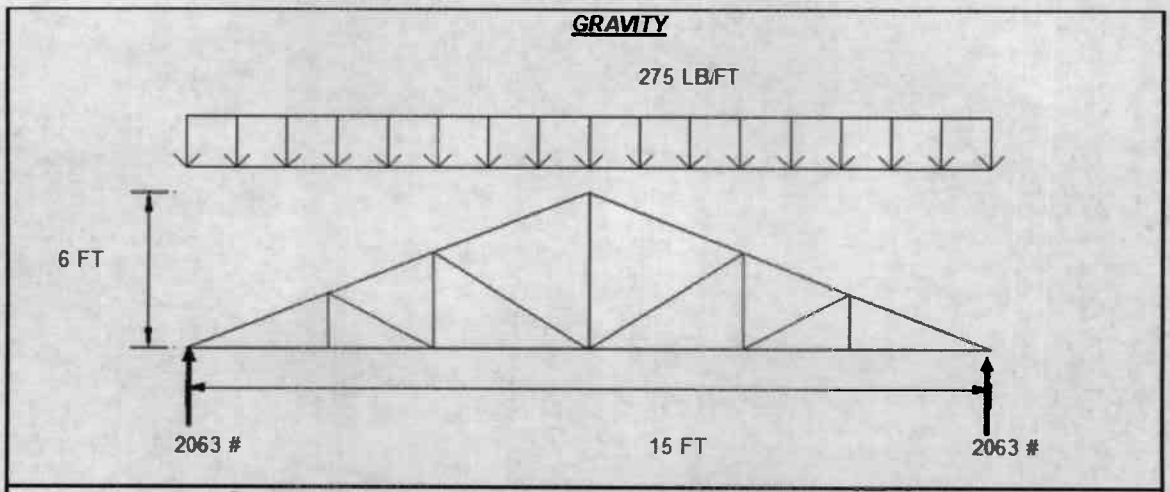
a = 4.4 FT
Y1 = -1.3 USE Y1 = 0
X1 = 1.467 FT
X2 = 3.067 FT

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./REG# 28531
Phone: (305) 263 8085 / Fax (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

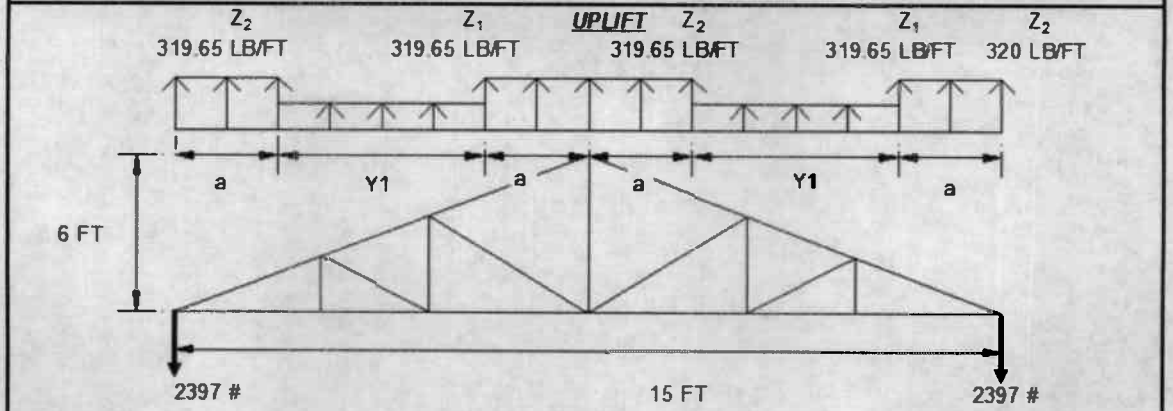
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 16 OF 48
CALC. BY: _____ DATE: 15MAR2011

GRAVITY

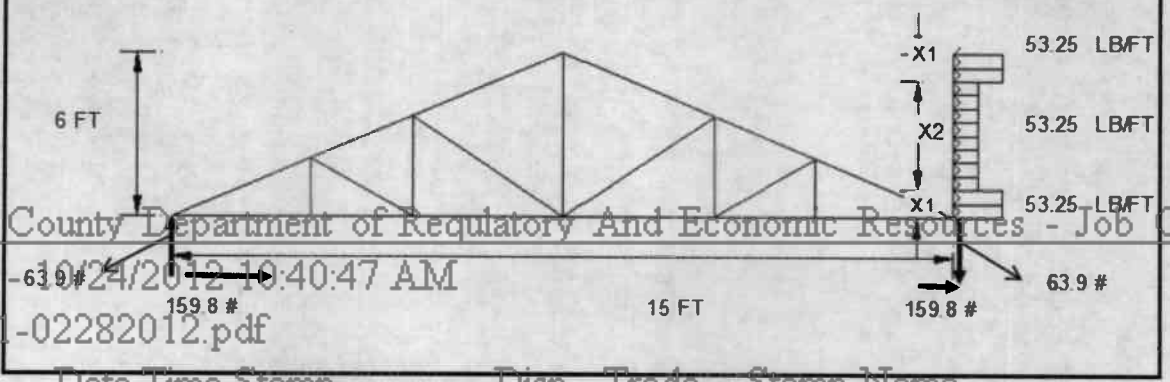


UPLIFT



∑10 PSF - WL(+Y)= 375 -2397.4 -63.9
NET UPLIFT = 2086 #

LATERAL



ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./REG# 28531
Phone: (305) 263 8085 / Fax. (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 17 OF 48
CALC. BY: _____ DATE: 15MAR2011

PROJECT:
FOR :
ADDRESS:

Girder Truss 32'-4"

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	32.33
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF.	4
SLOPE X:12	4

REACTIONS				
A (Ry)	1616.5	4134	23.72	3556.3
B (Ry)	1616.5	4134	23.72	3556.3
A (Rx)			127.80	
B (Rx)			127.80	

GRAVITY	3556	#
UPLIFT	3511	#
LATERAL	128	#

a = 4.4 FT
Y1 = 7.365 FT
X1 = 1.467 FT
X2 = 3.067 FT

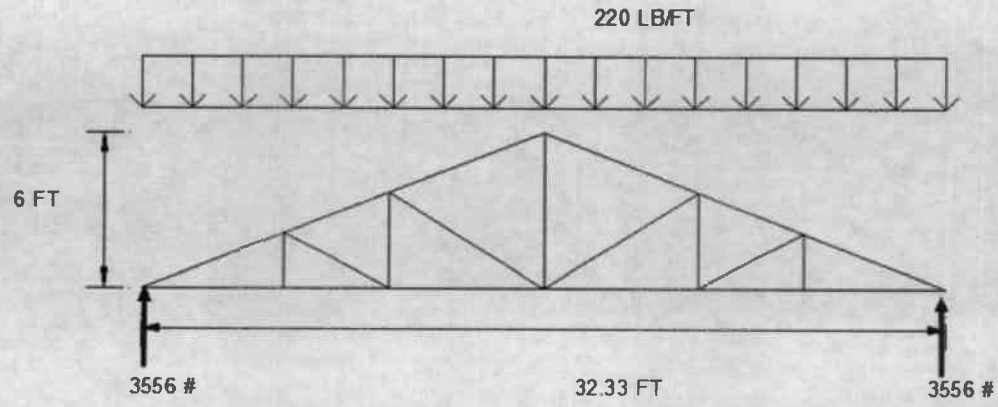
ADONAI design & const, inc.

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

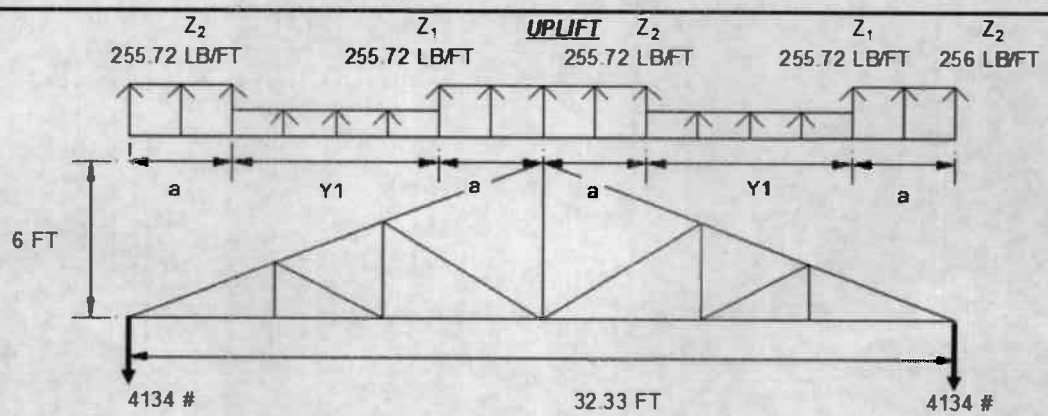
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 18 OF 48
CALC BY: _____ DATE: 15MAR2011

GRAVITY

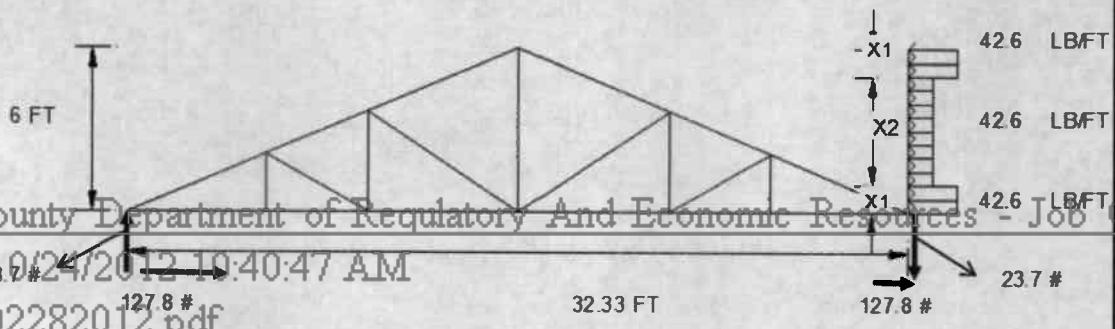


UPLIFT



∑10 PSF - WL(+Y)= 646.6 -4133.7 -23.7
NET UPLIFT = 3511 #

LATERAL



ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB:
OWNER:
ADDRESS:
PHONE:
SHEET NO: 19 OF 48
CALC. BY: DATE: 15MAR2011

PROJECT:
FOR:
ADDRESS:

Girder Truss 42'-0"

	LOADS			
	psf DL	psf WIND (Y)	psf WIND (X)	D+L GRAVITY
ZONE 1	25	63.93	10.65	55
ZONE 2	25	63.93	10.65	55
ZONE 3	25	63.93	10.65	55

GEOMETRY	
L	42
a (Z2, Z3)	4.4
H (TRUSS)	6
AREA AF.	4
SLOPE X:12	4

REACTIONS				
A (Ry)	2100	5370	18.26	4620
B (Ry)	2100	5370	18.26	4620
A (Rx)			127.80	
B (Rx)			127.80	

GRAVITY	4620	#
UPLIFT	4548	#
LATERAL	128	#

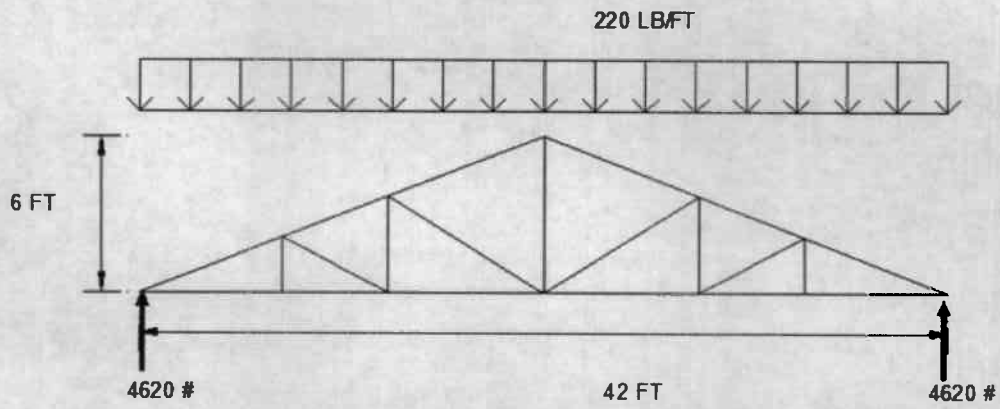
a = 4.4 FT
Y1 = 12.2 FT
X1 = 1.467 FT
X2 = 3.067 FT

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

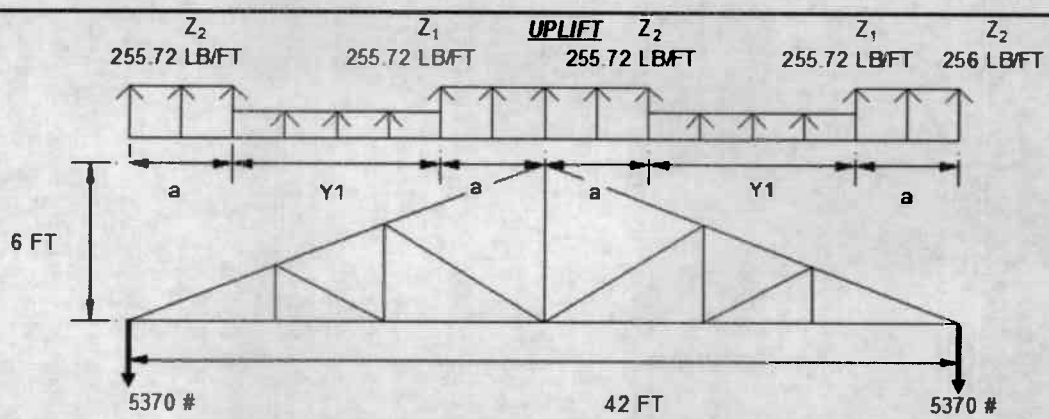
STRUCTURAL CALCULATIONS

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 20 OF 48
CALC. BY: _____ DATE: 15MAR2011

GRAVITY

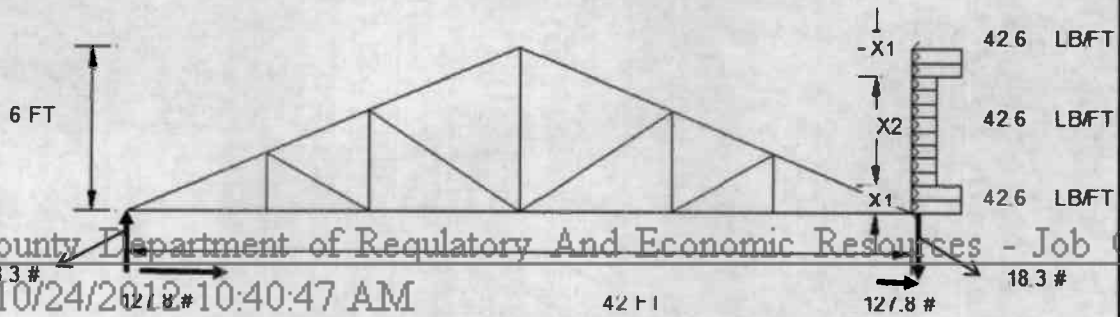


UPLIFT



∑10 PSF - WL(+Y)= 840 -5370.1 -18.3
NET UPLIFT = 4548 #

LATERAL



4. CONCRETE BEAM DESIGN

4.1. BEAM TB-1 (8"X12")

DESIGN LOADS:
DL(-Y) = 25 psf + (Beam Self Weight)
LL(-Y) = 30 psf
WL(Y) = 88.28 psf
WL(X) = 64.15 psf

Tributary = 26 ft

$$W_{DL} = (25\ psf \times 26ft) + (150\ pcf \times 1ft \times 0.667ft) = 750\frac{lb}{ft}$$

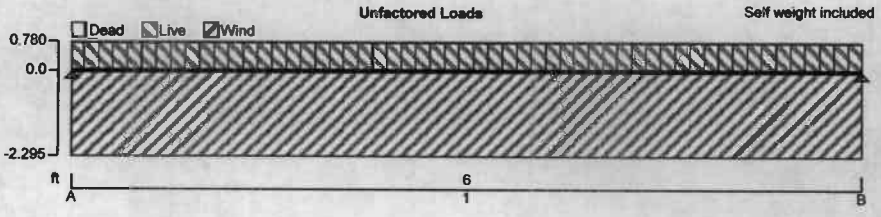
$$W_{LL} = (30\ psf \times 26ft) = 780\frac{lb}{ft}$$

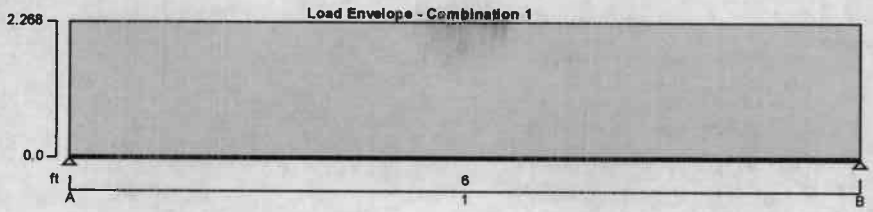
$$W_{WL} = (88.28\ psf \times 26ft) = 2{,}295\frac{lb}{ft}$$

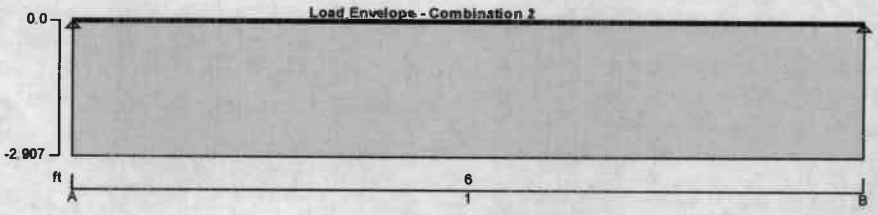
Tributary Length for Lateral wind load = 5.5 ft

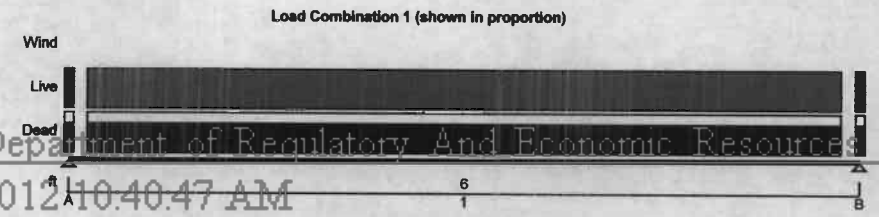
$$W_{WL} = (64.15\ psf \times 5.5ft) = 353\frac{lb}{ft}$$

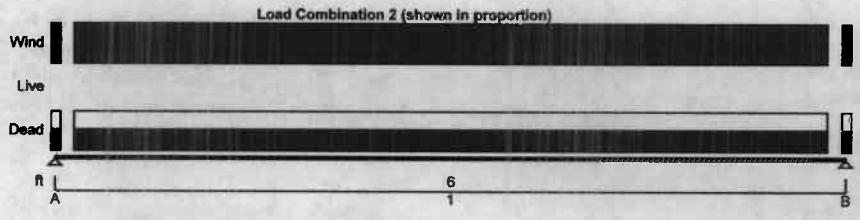
RC BEAM ANALYSIS & DESIGN (ACI318-05)

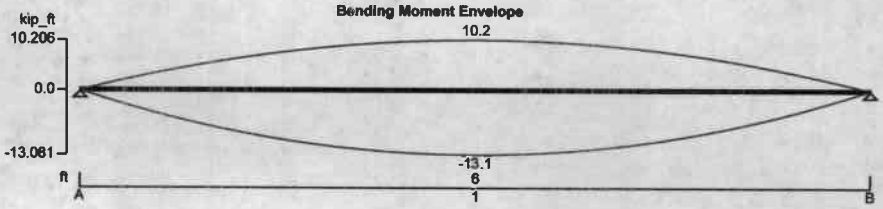


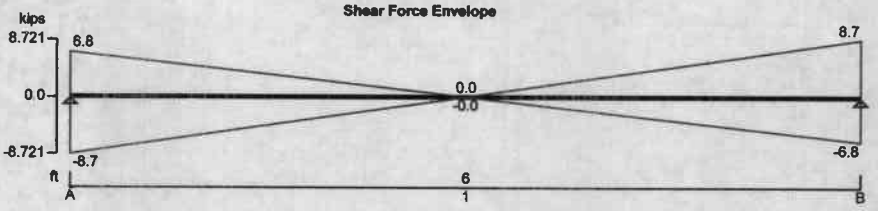












Support conditions

Support A	Vertically restrained
	Rotationally free
Support B	Vertically restrained
	Rotationally free

Applied loading

Beam loads	Wind full UDL -2295 lb/ft
	Live full UDL 780 lb/ft
	Dead full UDL 750 lb/ft
	Dead self weight of beam × 1

Load combinations

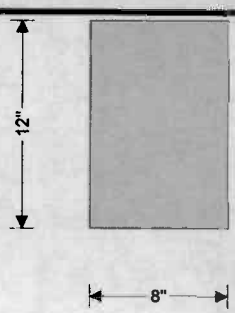
Load combination 1	Support A	Dead × 1.20
		Live × 1.60
		Wind × 0.00
	Span 1	Dead × 1.20
		Live × 1.60
		Wind × 0.00
	Support B	Dead × 1.20
		Live × 1.60
		Wind × 0.00
Load combination 2	Support A	Dead × 0.90
		Live × 0.00
		Wind × 1.60
	Span 1	Dead × 0.90
		Live × 0.00
		Wind × 1.60
	Support B	Dead × 0.90
		Live × 0.00
		Wind × 1.60

Analysis results

Maximum moment support A;	M_{A_max} = **0.000** kip_ft;	M_{A_red} = **0.000** kip_ft;
Maximum moment span 1 at 36 in;	M_{s1_max} = **10.206** kip_ft;	M_{s1_red} = **10.206** kip_ft;
Maximum moment support B;	M_{B_max} = **0.000** kip_ft;	M_{B_red} = **0.000** kip_ft;
Maximum shear support A;	V_{A_max} = **6.804** kips;	V_{A_red} = **0.000** kips
Maximum shear support A span 1 at 10 in;	$V_{A\_s1\_max}$ = **4.908** kips;	$V_{A\_s1\_red}$ = **4.908** kips
Maximum shear support B;	V_{B_max} = **-6.804** kips;	V_{B_red} = **0.000** kips
Maximum shear support B span 1 at 62 in;	$V_{B\_s1\_max}$ = **-4.908** kips;	$V_{B\_s1\_red}$ = **-4.908** kips
Maximum reaction at support A;	R_A = **8.721** kips	
Maximum reaction at support B;	R_B = **8.721** kips	

Rectangular section details

Section width;	b = **8** in
Section depth;	h = **12** in



Concrete details

Compressive strength of concrete; f'_c = **3000** psi

Modulus of elasticity of concrete; E = **3320561** psi

Reinforcement details

Yield strength of reinforcement; f_y = **60000** psi

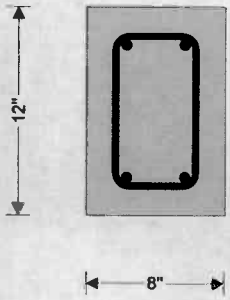
Nominal cover to reinforcement

Cover to top reinforcement; c_{nom_t} = **1.5** in

Cover to bottom reinforcement; c_{nom_b} = **1.5** in

Cover to side reinforcement; c_{nom_s} = **1.5** in

Mid span 1



Rectangular section in flexure (Chapter 10)

Factored bending moment at section; $M_u = M_{s1\_red}$ = **10.206** kip_ft

Depth to tension reinforcement; $d = h - c_{nom\_b} - \phi_v - \phi_{bot} / 2$ = **9.812** in

Tension reinforcement provided; 2 × No.5 bars

Area of tension reinforcement provided; $A_{s,prov}$ = **0.614** in^2

Minimum area of reinforcement (exp.10-3); $A_{s,min} = \max(3\ psi \times \sqrt{(f'_c / 1\ psi)}, 200\ psi) \times b \times d / f_y$ = **0.262** in^2

PASS - Area of reinforcement provided is greater than minimum area of reinforcement required

Stress block depth factor (cl.10.2.7.3); $\beta_1 = \min(\max(0.85 - 0.05 \times (f'_c - 4\ ksi) / 1\ ksi, 0.65), 0.85) =$ **0.85**

Depth of equivalent rectangular stress block; $a = A_{s,prov} \times f_y / (0.85 \times f'_c \times b) =$ **1.805** in

Depth to neutral axis; $c = a / \beta_1 =$ **2.123** in

Net tensile strain in extreme tension fibers; $\varepsilon_t = 0.003 \times (d - c) / c =$ **0.01086**

Net tensile strain in tension controlled zone

Strength reduction factor (cl 9.3.2); $\phi_f = \min(\max(0.65 + (\varepsilon_t - 0.002) \times (250 / 3), 0.65), 0.9) =$ **0.90**

Nominal moment strength; $M_n = A_{s,prov} \times f_y \times (d - a / 2) =$ **27.336** kip_ft

Required nominal moment strength; $M_u / \phi_f =$ **11.340** kip_ft

PASS - Nominal moment strength exceeds required nominal moment strength

Rectangular section in shear (Chapter 11)

Shear reinforcement provided; 2 × No.3 legs at 4 in c/c

Area of shear reinforcement provided; $A_{sv,prov} =$ **0.663** in^2/ft

Minimum area of shear reinforcement (exp.11-13); $A_{sv,min} = \max(50\ psi, 0.75\ psi \times \sqrt{(f'_c / 1\ psi)}) \times b / \min(f_y, 60000\ psi)$

$A_{sv,min} =$ **0.08** in^2/ft

PASS - Area of shear reinforcement provided exceeds minimum required

Maximum longitudinal spacing (cl.11.5.5); $s_{vl,max} = \min(d / 2, 24\ in) =$ **4.906** in

PASS - Longitudinal spacing of shear reinforcement provided is less than maximum

Control of deflections (Section 9.5)

Concrete density factor; $K_w =$ **1.00**

Reinforcement yield strength factor; $K_f = 0.4 + f_y / 100000\ psi =$ **1.00**

Minimum thickness of beam (Table 9.5(a)); $h_{min} = (L_{s1} / 16) \times K_w \times K_f =$ **4.5** in

PASS - Thickness of beam exceeds minimum thickness

4.2. BEAM B-1 (8"x12")

DESIGN LOADS:
DL(-Y) = 25 psf + (Beam Self Weight)
LL(-Y) = 30 psf
WL(Y) = 88.28 psf
WL(X) = 64.15 psf

Tributary = 26 ft

$$W_{DL} = (25\,psf \times 26ft) + (150\,pcf \times 1ft \times 0.667ft) = 750\frac{lb}{ft}$$

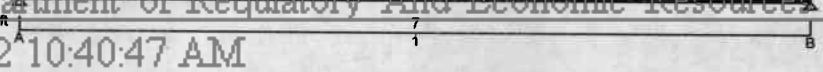
$$W_{LL} = (30\,psf \times 26ft) = 780\frac{lb}{ft}$$

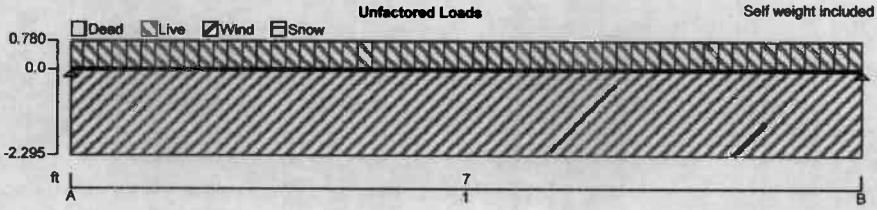
$$W_{WL} = (88.28\,psf \times 26ft) = 2{,}295\frac{lb}{ft}$$

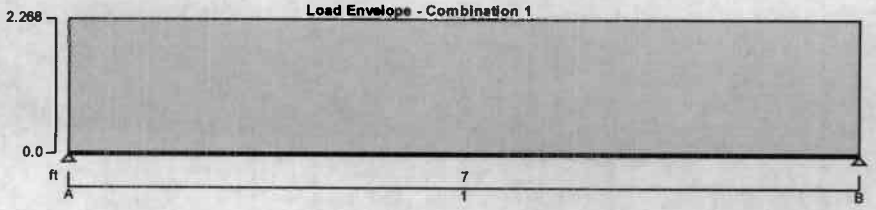
Tributary Length for Lateral wind load = 5.5 ft

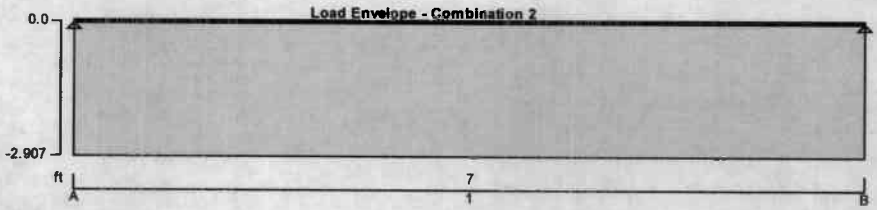
$$W_{WL} = (64.15\,psf \times 5.5ft) = 353\frac{lb}{ft}$$

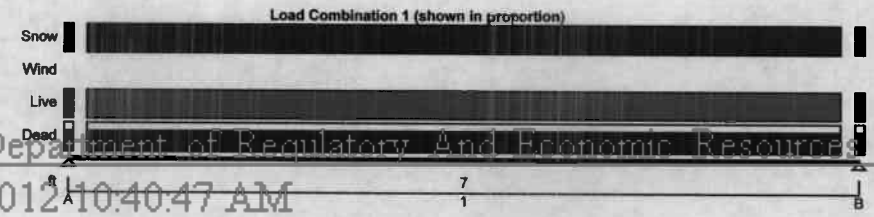
RC BEAM ANALYSIS & DESIGN (ACI318-05)





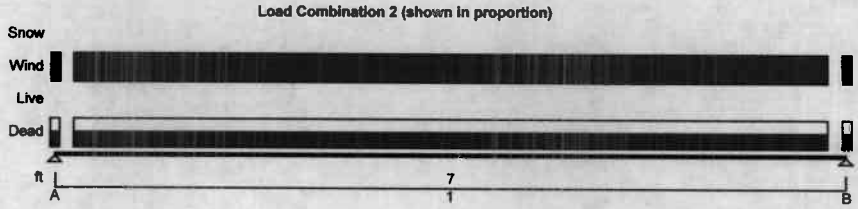


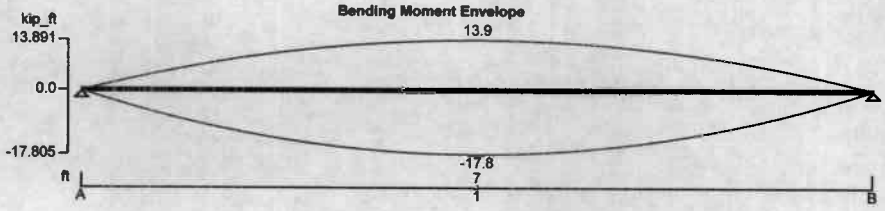


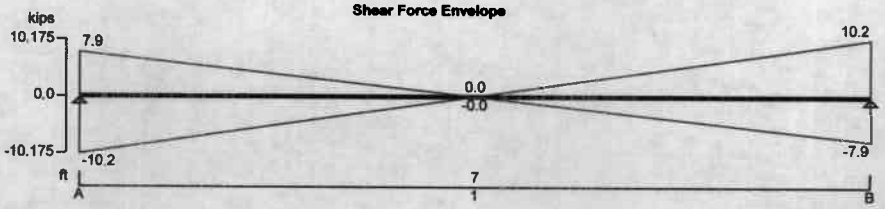


CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: Rev 9 OF 12
CALC. BY: _____ DATE: 03NOV2011







Support conditions

Support A	Vertically restrained
	Rotationally free
Support B	Vertically restrained
	Rotationally free

Applied loading

Beam loads	Wind full UDL -2295 lb/ft
	Live full UDL 780 lb/ft
	Dead full UDL 750 lb/ft
	Dead self weight of beam × 1

Load combinations

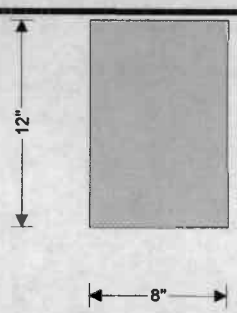
Load combination 1	Support A	Dead × 1.20
		Live × 1.60
		Wind × 0.00
		Snow × 1.60
	Span 1	Dead × 1.20
		Live × 1.60
		Wind × 0.00
		Snow × 1.60
	Support B	Dead × 1.20
		Live × 1.60
		Wind × 0.00
		Snow × 1.60
Load combination 2	Support A	Dead × 0.90
		Live × 0.00
		Wind × 1.60
	Span 1	Dead × 0.90
		Live × 0.00
		Wind × 1.60
	Support B	Dead × 0.90
		Live × 0.00
		Wind × 1.60

Analysis results

Maximum moment support A;	M_{A_max} = **0.000** kip_ft;	M_{A_red} = **0.000** kip_ft;
Maximum moment span 1 at 42 in;	M_{s1_max} = **13.891** kip_ft;	M_{s1_red} = **13.891** kip_ft;
Maximum moment support B;	M_{B_max} = **0.000** kip_ft;	M_{B_red} = **0.000** kip_ft;
Maximum shear support A;	V_{A_max} = **7.938** kips;	V_{A_red} = **0.000** kips
Maximum shear support A span 1 at 10 in;	$V_{A\_s1\_max}$ = **6.042** kips;	$V_{A\_s1\_red}$ = **6.042** kips
Maximum shear support B;	V_{B_max} = **-7.938** kips;	V_{B_red} = **0.000** kips
Maximum shear support B span 1 at 74 in;	$V_{B\_s1\_max}$ = **-6.042** kips;	$V_{B\_s1\_red}$ = **-6.042** kips
Maximum reaction at support A;	R_A = **10.175** kips	
Maximum reaction at support B;	R_B = **10.175** kips	

Rectangular section details

Section width;	b = **8** in
Section depth;	h = **12** in



Concrete details

Compressive strength of concrete; f'_c = **3000** psi

Modulus of elasticity of concrete; E = **3320561** psi

Reinforcement details

Yield strength of reinforcement; f_y = **60000** psi

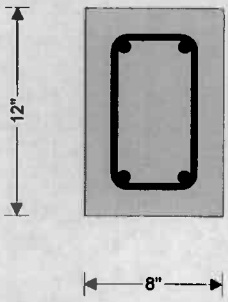
Nominal cover to reinforcement

Cover to top reinforcement; c_{nom_t} = **1.5** in

Cover to bottom reinforcement; c_{nom_b} = **1.5** in

Cover to side reinforcement; c_{nom_s} = **1.5** in

Mid span 1



Rectangular section in flexure (Chapter 10)

Factored bending moment at section; $M_u = M_{s1\_red}$ = **13.891** kip_ft

Depth to tension reinforcement; $d = h - c_{nom\_b} - \phi_v - \phi_{bot} / 2$ = **9.75** in

Tension reinforcement provided; 2 × No.6 bars

Area of tension reinforcement provided; $A_{s,prov}$ = **0.884** in^2

Minimum area of reinforcement (exp.10-3); $A_{s,min} = \max(3\ psi \times \sqrt{(f'_c / 1\ psi)}, 200\ psi) \times b \times d / f_y$ = **0.260** in^2

PASS - Area of reinforcement provided is greater than minimum area of reinforcement required

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

Stress block depth factor (cl.10.2.7.3); $\beta_1 = \min(\max(0.85 - 0.05 \times (f'_c - 4\ ksi) / 1\ ksi, 0.65), 0.85) =$ **0.85**

Depth of equivalent rectangular stress block; $a = A_{s,prov} \times f_y / (0.85 \times f'_c \times b) =$ **2.599** in

Depth to neutral axis; $c = a / \beta_1 =$ **3.057** in

Net tensile strain in extreme tension fibers; $\varepsilon_t = 0.003 \times (d - c) / c =$ **0.00657**

Net tensile strain in tension controlled zone

Strength reduction factor (cl.9.3.2); $\phi_f = \min(\max(0.65 + (\varepsilon_t - 0.002) \times (250 / 3), 0.65), 0.9) =$ **0.90**

Nominal moment strength; $M_n = A_{s,prov} \times f_y \times (d - a / 2) =$ **37.334** kip_ft

Required nominal moment strength; $M_u / \phi_f =$ **15.435** kip_ft

PASS - Nominal moment strength exceeds required nominal moment strength

Rectangular section in shear (Chapter 11)

Shear reinforcement provided; 2 × No.3 legs at 4 in c/c

Area of shear reinforcement provided; $A_{sv,prov} =$ **0.663** in^2/ft

Minimum area of shear reinforcement (exp.11-13); $A_{sv,min} = \max(50\ psi, 0.75\ psi \times \sqrt{(f'_c / 1\ psi)}) \times b / \min(f_y, 60000\ psi)$

$A_{sv,min} =$ **0.08** in^2/ft

PASS - Area of shear reinforcement provided exceeds minimum required

Maximum longitudinal spacing (cl.11.5.5); $s_{vl,max} = \min(d / 2, 24\ in) =$ **4.875** in

PASS - Longitudinal spacing of shear reinforcement provided is less than maximum

Control of deflections (Section 9.5)

Concrete density factor; $K_w =$ **1.00**

Reinforcement yield strength factor; $K_f = 0.4 + f_y / 100000\ psi =$ **1.00**

Minimum thickness of beam (Table 9.5(a)); $h_{min} = (L_{s1} / 16) \times K_w \times K_f =$ **5.25** in

PASS - Thickness of beam exceeds minimum thickness

6. FOUNDATION DESIGN

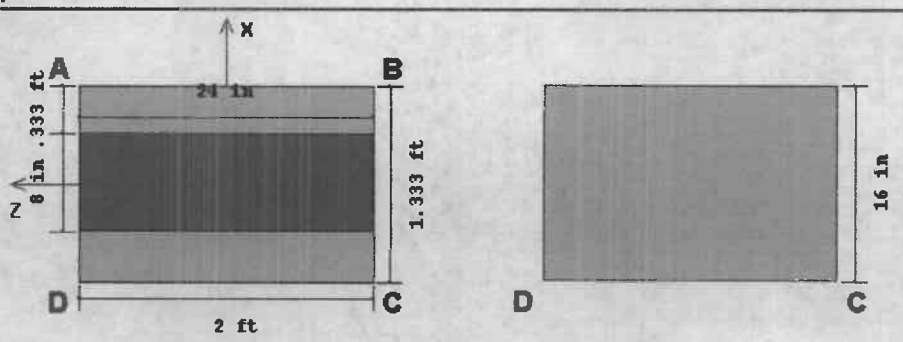
6.1. WF-16

DL = 750 lb/ft + CMU Self Weight = 750 lb/ft + 90 psf x 10 ft = 1,650
LL = 780 lb/ft

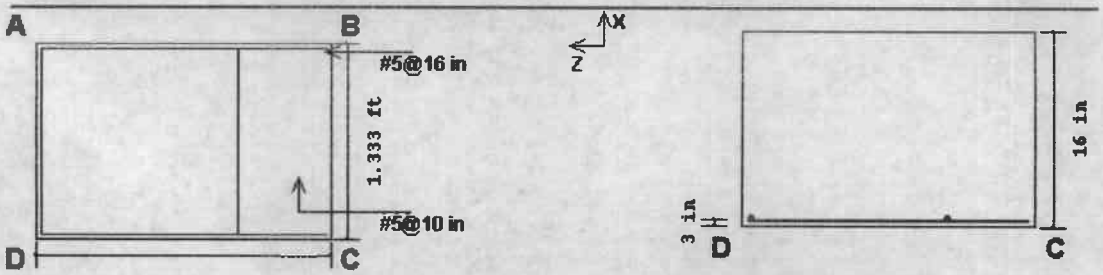
Company :
Designer :
Job Number :

Checked By:_____

Sketch



Details



Bottom Rebar Plan ***Footing Elevation***

Geometry, Materials and Criteria

Length	:2 ft	eX	:0 in	Gross Allow. Bearing	:2000 psf	Steel fy	:60 ksi
Width	:1.333 ft	eZ	:0 in	Concrete Weight	:145 pcf	Minimum Steel	:.0018
Thickness	:16 in	pX	:8 in	Concrete f'c	:3 ksi	Maximum Steel	:.0075
Height	:0 in	pZ	:24 in	Design Code	:ACI 318-02		

Footing Top Bar Cover	:3 in	Overturning Safety Factor	:1.5	Phi for Flexure	:0.9
Footing Bottom Bar Cover	:3 in	Coefficient of Friction	:0.3	Phi for Shear	:0.75
Pedestal Longitudinal Bar Cover	:1.5 in	Passive Resistance of Soil	:0 k	Phi for Bearing	:0.65

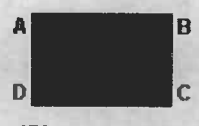
Loads

	P (k)	Vx (k)	Vz (k)	Mx (k-ft)	Mz (k-ft)	Overburden (psf)
DL	1.65					100
LL	.78					

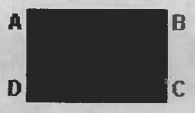
+P +Vx +Vz +Mx +Mz +Over

Soil Bearing

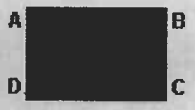
Description	Categories and Factors	Gross Allow.(psf)	Max Bearing (psf)	Max/Allowable Ratio
ASCE 2.4.1-1	1DL	2000	862.083 (A)	.431
ASCE 2.4.1-2	1DL+1LL	2000	1154.58 (A)	.577
ASCE 2.4.1-3a	1DL+1WL	2000	862.083 (A)	.431
ASCE 2.4.1-3b	1DL+.7EL	2000	862.083 (A)	.431
ASCE 2.4.1-3c	1DL+.75LL+.75WL	2000	1081.46 (A)	.541
ASCE 2.4.1-3d	1DL+.75LL+.7EL	2000	1081.46 (A)	.541
ASCE 2.4.1-4	.6DL+1WL	2000	517.25 (A)	.259
ASCE 2.4.1-5	.6DL+.7EL	2000	517.25 (A)	.259



1DL
QA: 862.083 psf
QB: 862.083 psf
QC: 862.083 psf
QD: 862.083 psf
NAZ: -1 in
NAX: -1 in

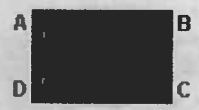


1DL+1LL
QA: 1154.58 psf
QB: 1154.58 psf
QC: 1154.58 psf
QD: 1154.58 psf
NAZ: -1 in
NAX: -1 in

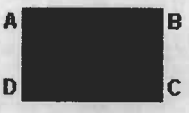


1DL+1WL
QA: 862.083 psf
QB: 862.083 psf
QC: 862.083 psf
QD: 862.083 psf
NAZ: -1 in
NAX: -1 in

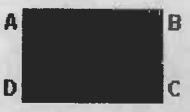
1DL+.7EL
QA: 862.083 psf
QB: 862.083 psf
QC: 862.083 psf
QD: 862.083 psf
NAZ: -1 in
NAX: -1 in



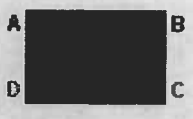
1DL+.75LL+.75WL
QA: 1081.46 psf
QB: 1081.46 psf
QC: 1081.46 psf
QD: 1081.46 psf
NAZ: -1 in
NAX: -1 in



1DL+.75LL+.7EL
QA: 1081.46 psf
QB: 1081.46 psf
QC: 1081.46 psf
QD: 1081.46 psf
NAZ: -1 in
NAX: -1 in



.6DL+1WL
QA: 517.25 psf
QB: 517.25 psf
QC: 517.25 psf
QD: 517.25 psf
NAZ: -1 in
NAX: -1 in



.6DL+.7EL
QA: 517.25 psf
QB: 517.25 psf
QC: 517.25 psf
QD: 517.25 psf
NAZ: -1 in
NAX: -1 in

Footing Flexure Design (Bottom Bars)

Description	Categories and Factors	Mu-XX (k-ft)	Z Dir As (in^2)	Mu-ZZ (k-ft)	X Dir As (in^2)
ACI 9-1	1.4DL+1.7LL	1.13611e-6	1.9899e-8	.189	.003
ACI 9-2	1.05DL+1.275LL+1.275WL	8.52083e-7	1.49243e-8	.142	.002
ACI 9-3	.9DL+1.3WL	5.1725e-7	9.05966e-9	.086	.002
IBC 16-5	1.2DL+1LL+1EL	8.84667e-7	1.5495e-8	.147	.003
IBC 16-6	.9DL+1EL	5.1725e-7	9.05966e-9	.086	.002

Note: Overburden and footing self weight are included in the DL load case.

Footing Shear Check

Two Way (Punching) Vc: **NA** One Way (X Dir. Cut) Vc **22.238 k** One Way (Z Dir. Cut) Vc: **33.356 k**

Description	Categories and Factors	Punching Vu(k)	Punching Vu/øVc	X Dir. Cut Vu(k)	X Dir. Cut Vu/øVc	Z Dir. Cut Vu(k)	Z Dir. Cut Vu/øVc
ACI 9-1	1.4DL+1.7LL	NA	NA	.002	0	.002	0
ACI 9-2	1.05DL+1.275LL+1.275WL	NA	NA	.002	0	.002	0
ACI 9-3	.9DL+1.3WL	NA	NA	.001	0	.001	0
IBC 16-5	1.2DL+1LL+1EL	NA	NA	.002	0	.002	0
IBC 16-6	.9DL+1EL	NA	NA	.001	0	.001	0

Note: Overburden and footing self weight are included in the DL load case.

Concrete Bearing Check (Vertical Loads Only)

Bearing Bc : **492.15 k**

Description	Categories and Factors	Bearing Bu (k)	Bearing Bu/øBc
ACI 9-1	1.4DL+1.7LL	4.544	.014
ACI 9-2	1.05DL+1.275LL+1.275WL	3.408	.011
ACI 9-3	.9DL+1.3WL	2.069	.006
IBC 16-5	1.2DL+1LL+1EL	3.539	.011
IBC 16-6	.9DL+1EL	2.069	.006

Note: Overburden and footing self weight are included in the DL load case.

Overturning Check (Service)

Description	Categories and Factors	Mo-XX (k-ft)	Ms-XX (k-ft)	Mo-ZZ (k-ft)	Ms-ZZ (k-ft)	OSF-XX	OSF-ZZ
ASCE 2.4.1-1	1DL	.133	2.432	.089	1.621	18.242	18.242
ASCE 2.4.1-2	1DL+1LL	.133	3.212	.089	2.141	24.092	24.092
ASCE 2.4.1-3a	1DL+1WL	.133	2.432	.089	1.621	18.242	18.242
ASCE 2.4.1-3b	1DL+.7EL	.133	2.432	.089	1.621	18.242	18.242
ASCE 2.4.1-3c	1DL+.75LL+.75WL	.133	3.017	.089	2.011	22.629	22.629
ASCE 2.4.1-3d	1DL+.75LL+.7EL	.133	3.017	.089	2.011	22.629	22.629
ASCE 2.4.1-4	.6DL+1WL	.08	1.459	.053	.973	18.242	18.242
ASCE 2.4.1-5	.6DL+.7EL	.08	1.459	.053	.973	18.242	18.242

Mo-XX: Governing Overturning Moment about AD or BC
Ms-XX: Governing Stabilizing Moment about AD or BC
OSF-XX: Ratio of Ms-XX to Mo-XX

Sliding Check (Service)

Description	Categories and Factors	Va-XX (k)	Vr-XX (k)	Va-ZZ (k)	Vr-ZZ (k)	SR-XX	SR-ZZ
ASCE 2.4.1-1	1DL	0	.69	0	.69	NA	NA
ASCE 2.4.1-2	1DL+1LL	0	.924	0	.924	NA	NA
ASCE 2.4.1-3a	1DL+1WL	0	.69	0	.69	NA	NA
ASCE 2.4.1-3b	1DL+.7EL	0	.69	0	.69	NA	NA
ASCE 2.4.1-3c	1DL+.75LL+.75WL	0	.865	0	.865	NA	NA
ASCE 2.4.1-3d	1DL+.75LL+.7EL	0	.865	0	.865	NA	NA
ASCE 2.4.1-4	.6DL+1WL	0	.414	0	.414	NA	NA
ASCE 2.4.1-5	.6DL+.7EL	0	.414	0	.414	NA	NA

Va-XX: Applied Lateral Force to Cause Sliding Along XX Axis
Vr-XX: Resisting Lateral Force Against Sliding Along XX Axis
SR-XX: Ratio of Vr-XX to Va-XX

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

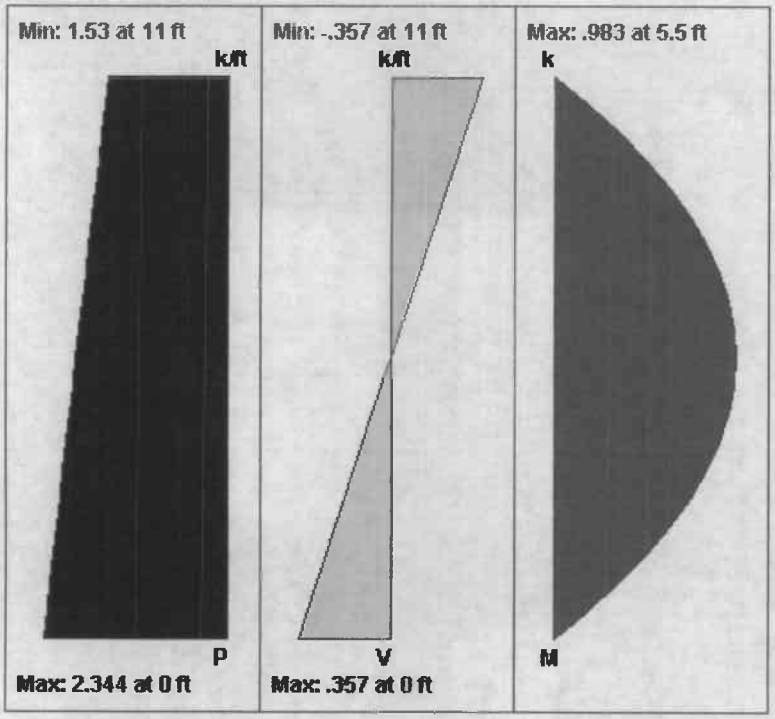
7. CMU WALL CHECK

Company :
Designer :
Job Number:

Checked By:_____

CRITERIA			MATERIALS			GEOMETRY		
Code	: MSJC02 / IBC03		Masonry f'm	: 1.5	ksi	Total Height	: 11	ft
Special Insp	: Yes		Masonry Em	: 1125	ksi	Eq Sld Thickness	5.9"	
Reinforced	: Reinforced		Steel fy	: 60	ksi	Blk Grouting	: Partially Grouted	
Slender	: No		Steel E	: 29000	ksi	Grt/Bar Spacing	: 32"	
Vertical Bar Size	: #5		Blk Material	: Conc 135 pcf				
End Face Dist	: 4.81	in	Grt Weight	: 140 pcf				

ENVELOPE DIAGRAMS



COMBINED CHECKS

fa/Fa + fb/Fb	: .732	
fs/Fs	: .977	

AXIAL SUMMARY

fa	: .016	ksi
Fa	: .343	ksi

BENDING SUMMARY

fb	: .342	ksi
Fb	: .5	ksi
fs	: 23.455	ksi
Fs	: 24	ksi

SHEAR CHECKS

fv/Fv	: .176
u/U	: .555

SHEAR SUMMARY

fv	: .007	ksi
Fv	: .039	ksi
u	: .111	ksi
U	: .2	ksi

APPLIED LOADS DETAILS

Load Category	Pressure Load, Q Magnitude (ksf)	Axial Load,P Magnitude (k/ft)	Moment,M Magnitude (k)	Line Load,L Magnitude (k/ft)	Height, H1 (ft)
DL	0	0.75	0	0	0
LL	0	0.78	0	0	0
EL	0	0	0	0	0
WL	0.065	0	0	0	0

DESIGN DETAILS

AXIAL DETAILS			BENDING DETAILS			SHEAR DETAILS		
Max Axial	1.157	k/ft	Max Moment	.983	k	Max Shear	.357	k/ft
Location	5.5	ft	Location	5.5	ft	Location	0	ft
Load Comb	4		Load Comb	4		Load Comb	4	
Rad gyration r	3.25	in	k	.273		Sh Wdth/c/c Reinf	32	in
h'/r	40.615		d	4.81	in	Perimtr/c/c Reinf	1.963	in
Red Factor R	.916		j	.909				

LOAD COMBINATIONS

LC	Label	ASIF	DL	LL	EL	WL	SL	RLL	OL
1	UBC 12-7	1	1	0	0	0	0	0	0
2	UBC 12-8 a	1	1	1	0	0	0	1	0
3	UBC 12-8 b	1	1	1	0	0	1	0	0
4	UBC 12-9 a	1	1	0	0	1	0	0	0
5	UBC 12-9 b	1	1	0	0	-1	0	0	0
6	UBC 12-9 c	1	1	0	0.714	0	0	0	0
7	UBC 12-9 d	1	1	0	-0.714	0	0	0	0
8	UBC 12-10 a	1	0.9	0	0.714	0	0	0	0
9	UBC 12-10 b	1	0.9	0	-0.714	0	0	0	0
10	UBC 12-11 a	1	1	0.75	0	0.75	0	0.75	0
11	UBC 12-11 b	1	1	0.75	0	-0.75	0	0.75	0
12	UBC 12-11 c	1	1	0.75	0	0.75	0.75	0	0
13	UBC 12-11 d	1	1	0.75	0	-0.75	0.75	0	0
14	UBC 12-11 e	1	1	0.75	0.5355	0	0	0.75	0
15	UBC 12-11 f	1	1	0.75	-0.5355	0	0	0.75	0
16	UBC 12-11 g	1	1	0.75	0.5355	0	0.75	0	0
17	UBC 12-11 h	1	1	0.75	-0.5355	0	0.75	0	0

ADONAI design & const, inc.

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

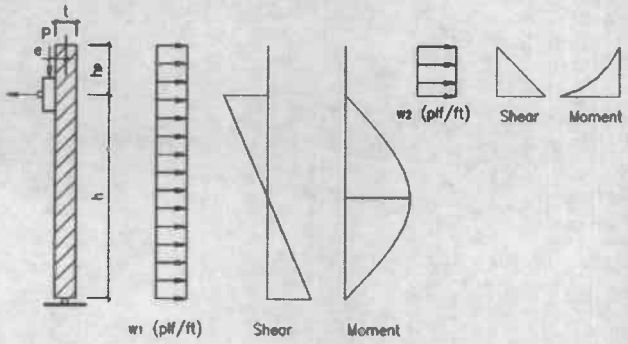
JOB
OWNER
ADDRESS
PHONE
SHEET NO 46 OF 48
CALC BY DATE 15MAR2011

PROJECT :
CLIENT :
JOB NO. :
DATE :
PAGE :
DESIGN BY :
REVIEW BY :

Strength Design of Masonry Bearing Wall Based on ACI 530-05 / IBC

INPUT DATA & DESIGN SUMMARY

TYPE OF MASONRY (1=CMU, 2=BRICK)			1	CMU
MASONRY STRENGTH	f_m'	=	1.5	ksi
REBAR YIELD STRESS	f_y	=	60	ksi
SERVICE DEAD LOAD	P_{DL}	=	2000	lbs / ft
LATERAL LOAD (E/1.4 or W)	w_1	=	65	plf / ft
LATERAL LOAD (E/1.4 or W)	w_2	=	0	plf / ft
THICKNESS OF WALL	t	=	8	in
PARAPET HEIGHT	h_p	=	0	ft
WALL HEIGHT	h	=	11	ft
ECCENTRICITY	e	=	6	in
MASONRY SPECIFIC WEIGHT	γ_m	=	130	pcf
WALL VERT. REINF.	1	#	5	@ 32 in o.c. (at middle)
SEISMIC PARAMETER	S_{DS}	=	1.246	



[THE WALL DESIGN IS ADEQUATE.]

ANALYSIS

VERT. REINF. AREA AT EA. SIDE	A_s	=	0.12	in^2/ft	EFFECTIVE THICKNESS	t_e =	7.63	in
EFFECTIVE DEPTH	d	=	3.82	in	MASONRY ELASTICITY MODULUS	E_m =	1350	ksi
WIDTH OF SECTION	b_w	=	12.00	in	STEEL ELASTICITY MODULUS	E_s =	29000	ksi
GROSS MOMENT OF INERTIA	I_g	=	444	in^4/ft	MODULAR RATIO	n =	21.48	

CHECK REINFORCING RATIO (ACI 530-05 3.3.3.5, page CC-51)

CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

JOB: _____
OWNER: _____
ADDRESS: _____
PHONE: _____
SHEET NO: 47 OF 48
CALC. BY: _____ DATE: 15MAR2011

$$\rho = A_s / d\,b_w = 0.0025 \quad < \quad \rho_{max} = \begin{cases} \dfrac{0.64 f'_m \left(\dfrac{\varepsilon_{mu}}{\varepsilon_{mu} + \alpha \varepsilon_y} \right) - \dfrac{P}{bd}}{f_y} & \text{for bars middle} \\ \dfrac{0.64 f'_m \left(\dfrac{\varepsilon_{mu}}{\varepsilon_{mu} + \alpha \varepsilon_y} \right) - \dfrac{P}{bd}}{f_y - \min\left\{ \varepsilon_{mu} - \dfrac{d'}{d}\left(\varepsilon_{mu} + \alpha \varepsilon_y\right), \varepsilon_y \right\} E_s} & \text{for bars each face} \end{cases} = 0.0061$$

[Satisfactory]

where ε_{mu} = 0.0025 , (ACI 530-05 3.3.2 c)
α = 1.5 , (ACI 530-05 3.3.3.5.1 a)
$\varepsilon_y = f_y / E_s$ = 0.0021 , (ACI 530-05 3.3.3.5.1 a)
$P = D + 0.75 L + 0.525 Q_E$ = 2.84 kips/ ft, (ACI 530-05 3.3.3.5.1 d)

CHECK WALL AXIAL STRESS (ACI 530-05 3.3.5.4)

$1.2 (P_w + P_f) / A_g$ = 31.7 psi < $0.05 f_m'$ = 75 psi [Satisfactory]

where $P_w = (0.5 h + h_p)(115 psf)\, t$ = 422 lbs / ft , P_f = 2000 lbs / ft

DETERMINE CRACKING MOMENT (ACI 530-05 Tab 3.1.8.2.1)

f_r = 150 psi, (ACI 530-05 Tab 3.1.8.2.1)

$M_{cr} = S f_r = (b_w t_e^2 / 6) f_r$ = 1455 ft-lbs/ft

CHECK CAPACITY OF LOAD COMBINATION (0.9 - 0.2S_{DS}) D + E_h , (IBC 06 1605.2.1 & ASCE 7-05 12.4.2)

$P_u = (0.9 - 0.2 S_{DS})(P_{DL} + P_w)$ = 1612 lbs/ft

DEPTH OF THE COMPRESSIVE STRESS BLOCK

$a = (P_u + A_s f_y) / (0.80 f_m' b_w)$ = 0.60 in

DEPTH OF NEUTRAL AXIS

$c = a / 0.80$ = 0.75 in

EFFECTIVE AREA OF REINFORCING STEEL

$A_{se} = (P_u + A_s f_y) / f_y$ = 0.14 in²/ft

CRACKED MOMENT OF INERTIA

$I_{cr} = n A_{se}(d-c)^2 + bc^3 / 3$ = 31 in⁴/ft

THE MOMENT AND DEFLECTION AT THE MID-HEIGHT OF THE WALL ARE GIVEN BY

	1st Cycle		2nd Cycle	3rd Cycle	Final	
$\delta_u = 5M_{cr}h^2/(48E_m I_g) + 5(M_u - M_{cr})h^2/(48E_m I_{cr})$ =	0		0.248	0.266	0.267	in
$M_u = w_u h^2/8 + P_{uf} e/2 + P_u \delta_u$ =	1826	> Mcr	1860	1962	1862	ft-lbs/ft
		[Satisfactory]		=> Eq (3-31) Applicable		

ADONAI design & const, inc.
CLAUDIO A. JOFRE /CONSULT. ENG./ REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

STRUCTURAL CALCULATIONS

JOB.
OWNER
ADDRESS
PHONE
SHEET NO 48 OF 48
CALC. BY: DATE 15MAR2011

(cont'd)

CHECK MOMENT CAPACITY OF THE WALL (ACI 530-05 3.3.5)

$\phi M_n = \phi[A_{se} f_y (d - a/2) - P_u (d - t_e/2)]$ = <= Not applicable > M_u [Satisfactory]

$\phi M_n = \phi A_{se} f_y (d - a/2)$ = 2265 ft-lbs/ft

where ϕ = 0.9, (ACI 530-05 3.1.4.1)

CHECK DEFLECTION LIMITATION (ACI 530-05 3.3.5.5)

	1st Cycle		2nd Cycle	3rd Cycle	Final	
$\delta_s = 5M_{cr}h^2/(48E_m I_g) + 5(M_{ser} - M_{cr})h^2/(48E_m I_{cr})$ =	0		0.067	0.073	0.073	in
$M_{ser} = wh^2/8 + P_f e/2 + P\delta_s$ =	1483	> Mcr	1493	1494	1494	ft-lbs/ft
		[Satisfactory]	=> Eq (3-31) Applicable			

0.007 h = 0.92 in > δ_s [Satisfactory]

CHECK CAPACITY OF LOAD COMBINATION (1.2 + 0.2S_{DS}) D + E_h (IBC 06 1605.2.1 & ASCE 7-05 12.4.2)

$P_u = (1.2+0.2S_{DS})(P_{DL} + P_w)$ = 3589 lbs/ft

DEPTH OF THE COMPRESSIVE STRESS BLOCK

$a = (P_u + A_s f_y) / (0.80 f_m' b_w)$ = 0.73 in

DEPTH OF NEUTRAL AXIS

$c = a / 0.80$ = 0.92 in

EFFECTIVE AREA OF REINFORCING STEEL

$A_{se} = (P_u + A_s f_y) / f_y$ = 0.18 in^2/ft

CRACKED MOMENT OF INERTIA

$I_{cr} = n A_{se}(d-c)^2 + bc^3/3$ = 29 in^4/ft

THE MOMENT AND DEFLECTION AT THE MID-HEIGHT OF THE WALL ARE GIVEN BY

$w_u = 1.4\ w_1$ = 91 plf / ft

	1st Cycle		2nd Cycle	3rd Cycle	Final	
$\delta_u = 5M_{cr}h^2/(48E_m I_g) + 5(M_u - M_{cr})h^2/(48E_m I_{cr})$ =	0		0.413	0.482	0.496	in
$M_u = w_u h^2/8 + P_{uf} e/2 + P_u\delta_u$ =	2101	> Mcr	2225	2245	2249	ft-lbs/ft
		[Satisfactory]	=> Eq (3-31) Applicable			

CHECK MOMENT CAPACITY OF THE WALL (ACI 530-05 3.3.5)

$\phi M_n = \phi[A_{se} f_y (d - a/2) - P_u (d - t_e/2)]$ = <= Not applicable > M_u [Satisfactory]

$\phi M_n = \phi A_{se} f_y (d - a/2)$ = 2732 ft-lbs/ft

where ϕ = 0.9, (ACI 530-05 3.1.4.1)

CHECK DEFLECTION LIMITATION (ACI 530-05 3.3.5.5)

	1st Cycle		2nd Cycle	3rd Cycle	Final	
$\delta_s = 5M_{cr}h^2/(48E_m I_g) + 5(M_{ser} - M_{cr})h^2/(48E_m I_{cr})$ =	0		0.067	0.073	0.073	in
$M_{ser} = wh^2/8 + P_f e/2 + P\delta_s$ =	1483	> Mcr	1493	1494	1494	ft-lbs/ft
		[Satisfactory]	=> Eq (3-31) Applicable			

0.007 h = 0.92 in > δ_s [Satisfactory]

CHECK SHEAR CAPACITY (ACI 530-05 3.3.4.1.2.1)

$\phi V_n = \phi 2.25 A_{mv} (f_m')^{0.5}$ = 6283 lbs/ft > $V_u = 1.4 [w_1 h/2 + w_2 (h + 0.5h_o) h_o/h + P_o e/h]$ = 628 lbs/ft

where ϕ = 0.6 [Satisfactory]

CHECK PARAPET BENDING CAPACITY

ϕM_n > M_u [Not applicable]

1147 NW 136th AVENUE
MIAMI, FL. 33182

BOUNDARY SURVEY

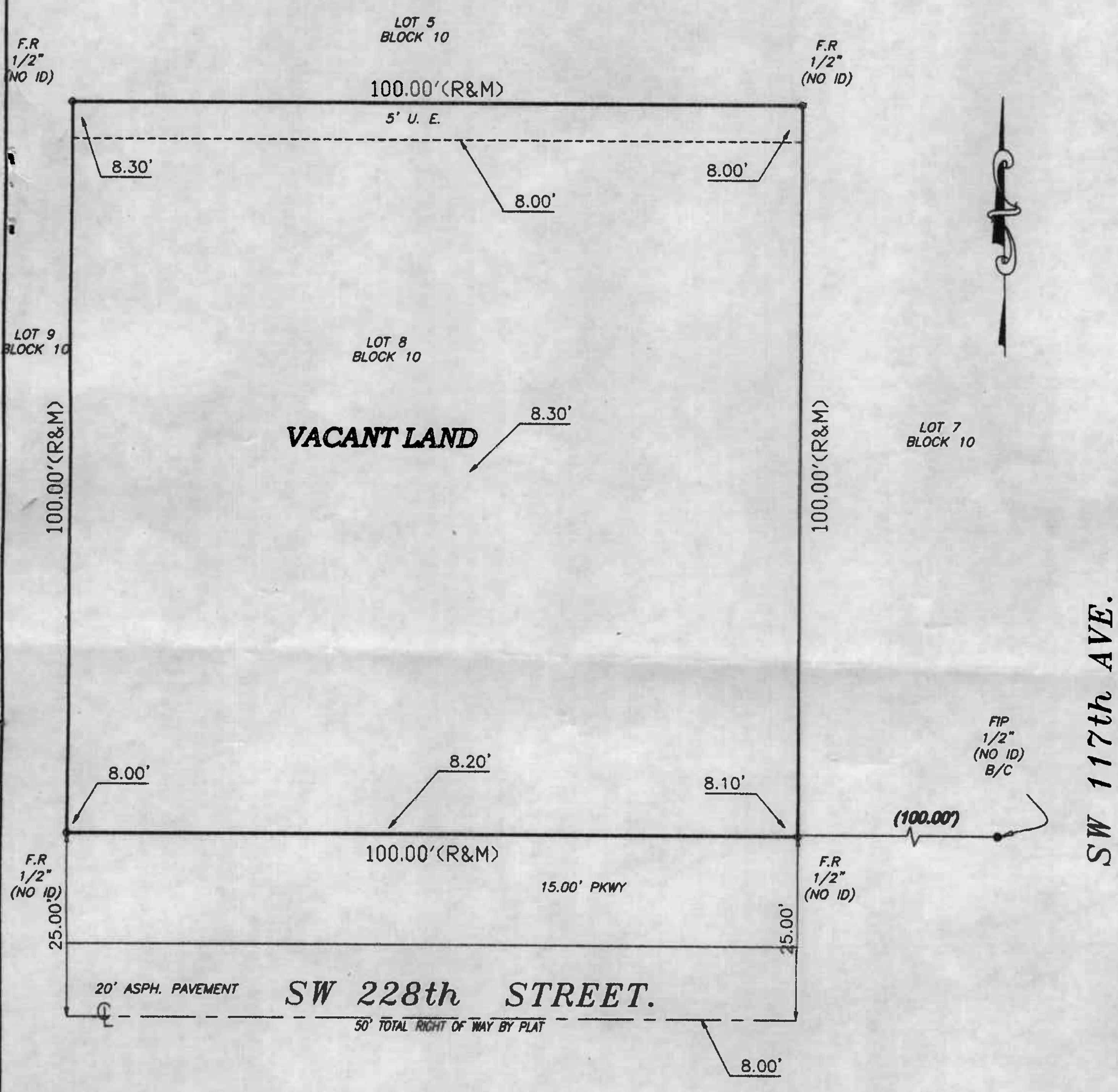
SCALE: 1" =20'

PHONE:(305) 207-7080
FAX: (305) 207-7191

PROPERTY ADDRESS VACANT LAND, 228 ST. SW – 117 AVE., MIAMI, FL.

LEGAL DESCRIPTION: (FURNISHED BY CLIENT)

LOT 8 BLOCK 10 SUBDIVISION GOULDS ESTATES SECTION ONE
ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46 AT PAGE 94
OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.



VISUAL ENCROACHMENTS NOTED: NONE

BASED ON THE FLOOD INSURANCE RATE MAP OF THE FEDERAL EMERGENT MANAGEMENT AGENCY DATED OR REVISED ON 09/11/09 THE HEREIN DESCRIBED PROPERTY IS SITUATED WITHIN ZONE X
BASE FLOOD ELEVATION N/A COMMUNITY 120635 PANEL NUMBER 0592 SUFFIX L

CERTIFIED TO:
NAYSI CASTILLO

FIELD WORK DATE: 09/13/2011 REVISIONS DATE: ______

THIS CERTIFIES THAT THIS SURVEY OF THE PROPERTY DESCRIBED HEREON WAS MADE UNDER MY SUPERVISION AND THAT THE SAME MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

ARTURO R. TOIRAC P.S.M. 3102

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISE SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

LEGAL NOTES

THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP. EXAMINATION 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. THE LIABILITY OF THIS SURVEY IS LIMITED TO THE COST OF THE SURVEY. UNDERGROUND ENCROACHMENTS, IF ANY, ARE NOT SHOWN. THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTING AND/OR FOUNDATIONS AND/OR UNDERGROUND IMPROVEMENTS OF ANY NATURE. IF SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN. IF SHOWN, ELEVATIONS ARE REFERRED TO N.G.V.D. OF 1929. THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1:10000. THIS SURVEY IS NOT INTENDED FOR NEITHER DESIGN FOR CONSTRUCTION PURPOSES. FOR THOSE PURPOSES A TOPOGRAPHIC SURVEY IS REQUIRED. FENCE OWNERSHIP NOT DETERMINED

Survey is not covered by Professional Liability Insurance

ORDER No. 07-0150

LEGEND AND ABBREVIATIONS

U.P.	= UTILITY POLE	F.N.	= FOUND NAIL	F.D.H.		▨	= C.B.S. WALL	B/C	= BLOCK CORNER
B.O.B.	= BASIS OF BEARINGS	P.T.	= POINT OF TANGENCY	P.C.C.	= POINT OF COMPOUND CURVE	—//—	= WOOD FENCE (6' HIGH)	DRWY.	= DRIVEWAY
A/C	= AIR CONDITIONING PAD	ENC.	= ENCROACHMENT	M/L	= MONUMENT LINE	R	= RADIUS	P.O.C.	= POINT OF COMMEN-CEMENT
A	= ARC DISTANCE	F.H.	= FIRE HYDRANT	N.G.V.D.	= NATIONAL GEODETIC VERTICAL DATUM	RAD.	= RADIAL	P.C.	= POINT OF CURVATURE
BLDG.	= BUILDING	F.I.P.	= FOUND IRON PIPE	O.E.	= OVERHEAD ELECTRIC LINE	RES.	= RESIDENCE		= FOUND NAIL/DISK
C.B.	= CATCH BASIN	F.I.R.	= FOUND REBAR	P.B.	= PLAT BOOK	R/W	= RIGHT OF WAY	—x—	= CHAIN LINK FENCE (4' HIGH)
C.B.S.	= CONCRETE BLOCK STRUCTURE	L.F.E.	= LOWEST FLOOR ELEVATION	P.C.P.	= PERMANENT CONTROL POINT	SEC.	= SECTION	Δ	= CENTRAL ANGLE
CH.	= CHORD DISTANCE	L.P.	= LIGHT POLE	P.G.	= PAGE	S.I.P.	= SET IRON PIPE		
CL.	= CLEAR	(M)	= MEASURED	P.O.B.	= POINT OF BEGINNING	STY	= STORY		
C/L	= CENTER LINE	(R)	= RECORD	P/L	= PROPERTY LINE	SWK	= SIDEWALK		
CONC.	= CONCRETE	(R & M)	= RECORD & MEASURED	N.T.S.	= NOT TO SCALE	U.E.	= UTILITY EASEMENT		
DME	= DRENAGE MAINTENANCE EASEMENT	0.00	= ELEVATION	S.I.R.	= SET IRON ROD	P.R.C	= POINT OF REVERSE CURVE		

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	YAIMI'S NEW RESIDENCE	**Builder Name:**	MIAMI
Street:	11721 SW 228 ST	**Permit Office:**	MIAMI-DADE
City, State, Zip:	MIAMI , fl , 33190-	**Permit Number:**	
Owner:	YAIMI DIAZ	**Jurisdiction:**	23100
Design Location:	FL, Miami		

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	No
6. Conditioned floor area (ft²)	1694

7. Windows(173.5 sqft.)	Description	Area
a. U-Factor: SHGC:	Sgl, U=1.20 SHGC=0.80	173.51 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types (1694.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1362.5 sqft.)	Insulation	Area
a. Concrete Block - Ext Insul, Exterior	R=4.1	1362.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1694.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=19.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 338.8 ft²

12. Cooling systems
a. Central Unit — Cap: 46.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Strip Heat — Cap: 34.0 kBtu/hr COP: 1

14. Hot water systems
a. Electric — Cap: 50 gallons EF: 0.93

b. Conservation features
None

15. Credits — None

Glass/Floor Area: 0.102

Total As-Built Modified Loads: 47.18
Total Baseline Loads: 55.40

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____
DATE: _____

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____
DATE: 04/3/12

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____
DATE: _____

- **Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.**

PROJECT

Title:	YAIMI'S NEW RESIDENCE	Bedrooms:	4	Adress Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1694	Lot #	
Owner:	YAIMI DIAZ	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	MIAMI	Rotate Angle:	0	Street:	11721 SW 228 ST
Permit Office:	MIAMI-DADE	Cross Ventilation:		County:	dade
Jurisdiction:	23100	Whole House Fan:		City, State, Zip:	MIAMI , fl , 33190-
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Miami	FL_MIAMI_INTL_AP	1	51	90	75	70	149.5	56	Low

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	167 ft	0	1694 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Composition shingles	1835 ft²	0 ft²	Medium	0.96	No	0	22.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Partial cathedral cei	Vented	300	1694 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	19	1694 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	N	Exterior	Concrete Block - Ext Insul	4.1	359.3333	0	0	0.75
____	2	S	Exterior	Concrete Block - Ext Insul	4.1	359.3333	0	0	0.75
____	3	E	Exterior	Concrete Block - Ext Insul	4.1	321.9027	0	0	0.75
____	4	W	Exterior	Concrete Block - Ext Insul	4.1	321.9027	0	0	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
____	1	N	Wood	None	0.460000	20 ft²

WINDOWS

Orientation shown is the entered, asBuilt orientation.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	Metal	Single (Clear)	Yes	1.2	0.8	N	18.40277	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	2	N	Metal	Single (Clear)	Yes	1.2	0.8	N	40 ft²	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	3	S	Metal	Single (Clear)	Yes	1.2	0.8	N	55.20833	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	4	E	Metal	Single (Clear)	Yes	1.2	0.8	N	18.40277	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	5	E	Metal	Single (Clear)	Yes	1.2	0.8	N	4.694444	6 ft 0 in	0 ft 0 in	HERS 2006	None
____	6	W	Metal	Single (Clear)	Yes	1.2	0.8	N	36.80555	6 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	— Forced Ventilation — Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
____	Default	0.00036	1600	7.08	87.8	165.2	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
____	1	Central Unit	None	SEER: 13	46 kBtu/hr	1380 cfm	0.75	Ductless

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
____	1	Electric Strip Heat	None	COP: 1	34 kBtu/hr	Ductless

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	0.93	50 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
____	None	None			ft²		

DUCTS

√	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
____	1	Attic	6	338.8 ft	Attic	84.7 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: None

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 11721 SW 228 ST
MIAMI, fl, 33190-

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Exterior & Adjacent Walls	N1106.AB.1.2	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	N1106.AB.1.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	N1106.AB.1.2	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	N1106.AB.1.2	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	✓
Multi-story Houses	N1106.AB.1.2	Air barrier on perimeter of floor cavity between floors.	n/a
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	✓

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.ABC.3 Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	n/a
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 85

The lower the EnergyPerformance Index, the more efficient the home.

11721 SW 228 ST, MIAMI, fl, 33190-

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		4
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		1694
7. Windows**	Description	Area
a. U-Factor: SHGC:	Sgl, U=1.20 SHGC=0.80	173.51 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Concrete Block - Ext Insul, Exterior	R=4.1	1362.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=19.0	1694.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 338.8 ft²

12. Cooling systems
a. Central Unit — Cap: 46.0 kBtu/hr, SEER: 13

13. Heating systems
a. Electric Strip Heat — Cap: 34.0 kBtu/hr, COP: 1

14. Hot water systems
a. Electric — Cap: 50 gallons, EF: 0.93
b. Conservation features
None

15. Credits — None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: 09/22/12

Address of New Home: 11731 SW 228st City/FL Zip: Miami FL

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section R2 11 1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Residential System Sizing Calculation

Summary

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE

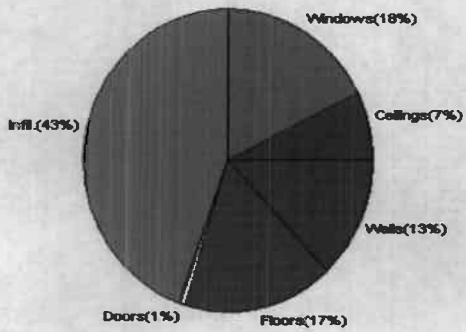
3/22/2012

Location for weather data: Miami, FL - Defaults: Latitude(25.82) Altitude(7 ft.) Temp Range(L) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(58gr.)					
Winter design temperature(MJ8 99%)	50	F	Summer design temperature(MJ8 99%)	90	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	20	F	Summer temperature difference	15	F
Total heating load calculation	**22954**	**Btuh**	**Total cooling load calculation**	**40376**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Strip Heat)	148.1	34000	Sensible (SHR = 0.75)	119.1	34500
			Latent	100.8	11500
			Total	113.9	46000

WINTER CALCULATIONS

Winter Heating Load (for 1694 sqft)

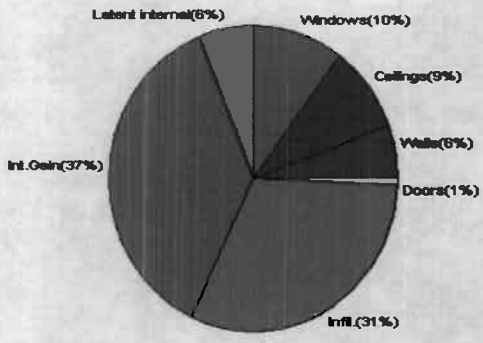
Load component			Load	
Window total	174	sqft	4164	Btuh
Wall total	1169	sqft	3068	Btuh
Door total	20	sqft	184	Btuh
Ceiling total	1694	sqft	1661	Btuh
Floor total	1694	sqft	3941	Btuh
Infiltration	452	cfm	9936	Btuh
Duct loss			0	Btuh
Subtotal			**22954**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**22954**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1694 sqft)

Load component			Load	
Window total	174	sqft	4213	Btuh
Wall total	1169	sqft	2301	Btuh
Door total	20	sqft	276	Btuh
Ceiling total	1694	sqft	3654	Btuh
Floor total			0	Btuh
Infiltration	226	cfm	3726	Btuh
Internal gain			14800	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**28970**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			8906	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			2500	Btuh
Total latent gain			**11406**	**Btuh**
TOTAL HEAT GAIN			**40376**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE

3/22/2012

Reference City: Miami, FL Temperature Difference: 15.0F(MJ8 99%) Humidity difference: 58gr.

Component Loads for Room/Zone #1: Main

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1 NFRC	0.80,	1.20	B-L	No	N	6.0ft	0.0ft	18.4	0.0	18.4	24	24	447 Btuh
2	1 NFRC	0.80,	1.20	B-L	No	N	6.0ft	0.0ft	40.0	0.0	40.0	24	24	971 Btuh
3	1 NFRC	0.80,	1.20	B-L	No	S	6.0ft	0.0ft	55.2	55.2	0.0	24	27	1340 Btuh
4	1 NFRC	0.80,	1.20	B-L	No	E	6.0ft	0.0ft	18.4	18.4	0.0	24	57	447 Btuh
5	1 NFRC	0.80,	1.20	B-L	No	E	6.0ft	0.0ft	4.7	4.7	0.0	24	57	114 Btuh
6	1 NFRC	0.80,	1.20	B-L	No	W	6.0ft	0.0ft	36.8	36.8	0.0	24	57	894 Btuh
	Window Total								174 (sqft)					4213 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	280.9	2.0	553 Btuh
2	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	304.1	2.0	599 Btuh
3	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	298.8	2.0	588 Btuh
4	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	285.1	2.0	561 Btuh
	Wall Total			1169 (sqft)		2301 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Wood - Exterior	20.0	13.8	276 Btuh
	Door Total	20 (sqft)		276 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	0.049	19.0/0.0	1694.0	2.16	3654 Btuh
	Ceiling Total			1694 (sqft)		3654 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1694 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1694.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	10444 Btuh

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	SensibleNatural	1.00	13552	1.00	225.9	3726 Btuh

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		10	X 230	+	12500	14800 Btuh

	Sensible Envelope Load:	28970 Btuh
Duct load	No ducts assigned to this zone. (DGM of 0.000)	0 Btuh
	Sensible Zone Load	**28970 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Climate:FL_MIAMI_INTL_AP

3/22/2012

Manual J Summer Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Climate:FL_MIAMI_INTL_AP

3/22/2012

WHOLE HOUSE TOTALS(One System Group)

	Sensible Envelope Load All Zones	**28970 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**28970 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**28970 Btuh**
Totals for Cooling	Latent infiltration gain (for 58 gr. humidity difference)	8906 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (10 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	500 Btuh
	Latent total gain	**11406 Btuh**
	TOTAL GAIN	**40376 Btuh**

EQUIPMENT

1. Central Unit	#	46000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE
Building Type: User

3/22/2012

Reference City: Miami, FL (Defaults) Winter Temperature Difference: 20.0 F (MJ8 99%)

Component Loads for Room/Zone #1: Main

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	1, NFRC 0.80	Metal	1.20	N	18.4	24.0	442 Btuh
2	1, NFRC 0.80	Metal	1.20	N	40.0	24.0	960 Btuh
3	1, NFRC 0.80	Metal	1.20	S	55.2	24.0	1325 Btuh
4	1, NFRC 0.80	Metal	1.20	E	18.4	24.0	442 Btuh
5	1, NFRC 0.80	Metal	1.20	E	4.7	24.0	113 Btuh
6	1, NFRC 0.80	Metal	1.20	W	36.8	24.0	883 Btuh
	Window Total				173.5(sqft)		4164 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Conc Blk,Hollow - Ext		(0.131)	4.1/0.0	281	2.62	737 Btuh
2	Conc Blk,Hollow - Ext		(0.131)	4.1/0.0	304	2.62	798 Btuh
3	Conc Blk,Hollow - Ext		(0.131)	4.1/0.0	299	2.62	784 Btuh
4	Conc Blk,Hollow - Ext		(0.131)	4.1/0.0	285	2.62	748 Btuh
	Wall Total				1169(sqft)		3068 Btuh
Doors	Type	Storm	Ueff.		Area X	HTM=	Load
1	Wood - Exterior,	n	(0.460)		20	9.2	184 Btuh
	Door Total				20(sqft)		184Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing		(0.049)	19.0/0.0	1694	1.0	1661 Btuh
	Ceiling Total				1694(sqft)		1661Btuh
Floors	Type		Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	167.0 ft(perim.)	23.6	3941 Btuh
	Floor Total				1694 sqft		3941 Btuh
					Zone Envelope Subtotal:		13018 Btuh
Infiltration	Type			ACH	Zone Volume	Wall Ratio	CFM=
	Natural			2.00	13552	1.00	451.7
							9936 Btuh
Duct load	No ducts assigned to this zone.					(DLM of 0.000)	0 Btuh
Zone #1					**Sensible Zone Subtotal**		**22954 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE
Building Type: User

3/22/2012

WHOLE HOUSE TOTALS(One System Group)

Totals for Heating	Subtotal Sensible Heat Loss	22954 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	22954 Btuh

EQUIPMENT

1. Electric Strip Heat		34000 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE

3/22/2012

Reference City: Miami, FL Temperature Difference: 15.0F(MJ8 99%) Humidity difference: 58gr.

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1 NFRC	0.80,	1.20	B-L	No	N	6.0ft	0.0ft	18.4	0.0	18.4	24	24	447 Btuh
2	1 NFRC	0.80,	1.20	B-L	No	N	6.0ft	0.0ft	40.0	0.0	40.0	24	24	971 Btuh
3	1 NFRC	0.80,	1.20	B-L	No	S	6.0ft	0.0ft	55.2	55.2	0.0	24	27	1340 Btuh
4	1 NFRC	0.80,	1.20	B-L	No	E	6.0ft	0.0ft	18.4	18.4	0.0	24	57	447 Btuh
5	1 NFRC	0.80,	1.20	B-L	No	E	6.0ft	0.0ft	4.7	4.7	0.0	24	57	114 Btuh
6	1 NFRC	0.80,	1.20	B-L	No	W	6.0ft	0.0ft	36.8	36.8	0.0	24	57	894 Btuh
	Window Total								174 (sqft)					4213 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	280.9	2.0	553 Btuh
2	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	304.1	2.0	599 Btuh
3	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	298.8	2.0	588 Btuh
4	Concrete Blk,Hollow - Ext	0.13	4.1/0.0	285.1	2.0	561 Btuh
	Wall Total			1169 (sqft)		2301 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Wood - Exterior	20.0	13.8	276 Btuh
	Door Total	20 (sqft)		276 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	0.049	19.0/0.0	1694.0	2.16	3654 Btuh
	Ceiling Total			1694 (sqft)		3654 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1694 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1694.0 (sqft)		0 Btuh

				Envelope Subtotal:		10444 Btuh
Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	SensibleNatural	1.00	13552	1169	451.7	3726 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		5	X 230	+	12500	13650 Btuh
				Sensible Envelope Load:		27820 Btuh
Duct load	NA, Supply(R0.0-None), Return(R0.0-None)			(DGM of 0.000)		0 Btuh
				Sensible Load All Zones		**27820 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE

Climate:FL_MIAMI_INTL_AP

3/22/2012

WHOLE HOUSE TOTALS(One System Group)

	Sensible Envelope Load All Zones	**28970 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**28970 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**28970 Btuh**
Totals for Cooling	Latent infiltration gain (for 58 gr. humidity difference)	8906 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (10 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	500 Btuh
	Latent total gain	**11406 Btuh**
	TOTAL GAIN	**40376 Btuh**

EQUIPMENT

1. Central Unit	#	46000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE
Building Type: User

3/22/2012

Reference City: Miami, FL (Defaults) Winter Temperature Difference: 20.0 F (MJ8 99%)

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	1, NFRC 0.80	Metal	1.20	N	18.4	24.0	442 Btuh
2	1, NFRC 0.80	Metal	1.20	N	40.0	24.0	960 Btuh
3	1, NFRC 0.80	Metal	1.20	S	55.2	24.0	1325 Btuh
4	1, NFRC 0.80	Metal	1.20	E	18.4	24.0	442 Btuh
5	1, NFRC 0.80	Metal	1.20	E	4.7	24.0	113 Btuh
6	1, NFRC 0.80	Metal	1.20	W	36.8	24.0	883 Btuh
	Window Total				173.5(sqft)		4164 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Conc Blk,Hollow	- Ext	(0.131)	4.1/0.0	281	2.62	737 Btuh
2	Conc Blk,Hollow	- Ext	(0.131)	4.1/0.0	304	2.62	798 Btuh
3	Conc Blk,Hollow	- Ext	(0.131)	4.1/0.0	299	2.62	784 Btuh
4	Conc Blk,Hollow	- Ext	(0.131)	4.1/0.0	285	2.62	748 Btuh
	Wall Total				1169(sqft)		3068 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Wood - Exterior,	n	(0.460)	20	9.2	184 Btuh
	Door Total			20(sqft)		184Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing	(0.049)	19.0/0.0	1694	1.0	1661 Btuh
	Ceiling Total			1694(sqft)		1661Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	167.0 ft(perim.)	23.6	3941 Btuh
	Floor Total			1694 sqft		3941 Btuh

	Envelope Subtotal:	13018 Btuh

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	2.00	13552	1.00	451.7	9936 Btuh

Duct load	NA, R6.0, Supply(Att), Return(Att) (DLM of 0.000)	0 Btuh
All Zones	**Sensible Subtotal All Zones**	**22954 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

Project Title:
YAIMI'S NEW RESIDENCE
Building Type: User

3/22/2012

WHOLE HOUSE TOTALS(One System Group)

Totals for Heating	Subtotal Sensible Heat Loss	22954 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	22954 Btuh

EQUIPMENT

1. Electric Strip Heat		34000 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

Residential Window Diversity

MidSummer

YAIMI DIAZ
11721 SW 228 ST
MIAMI, fl 33190-

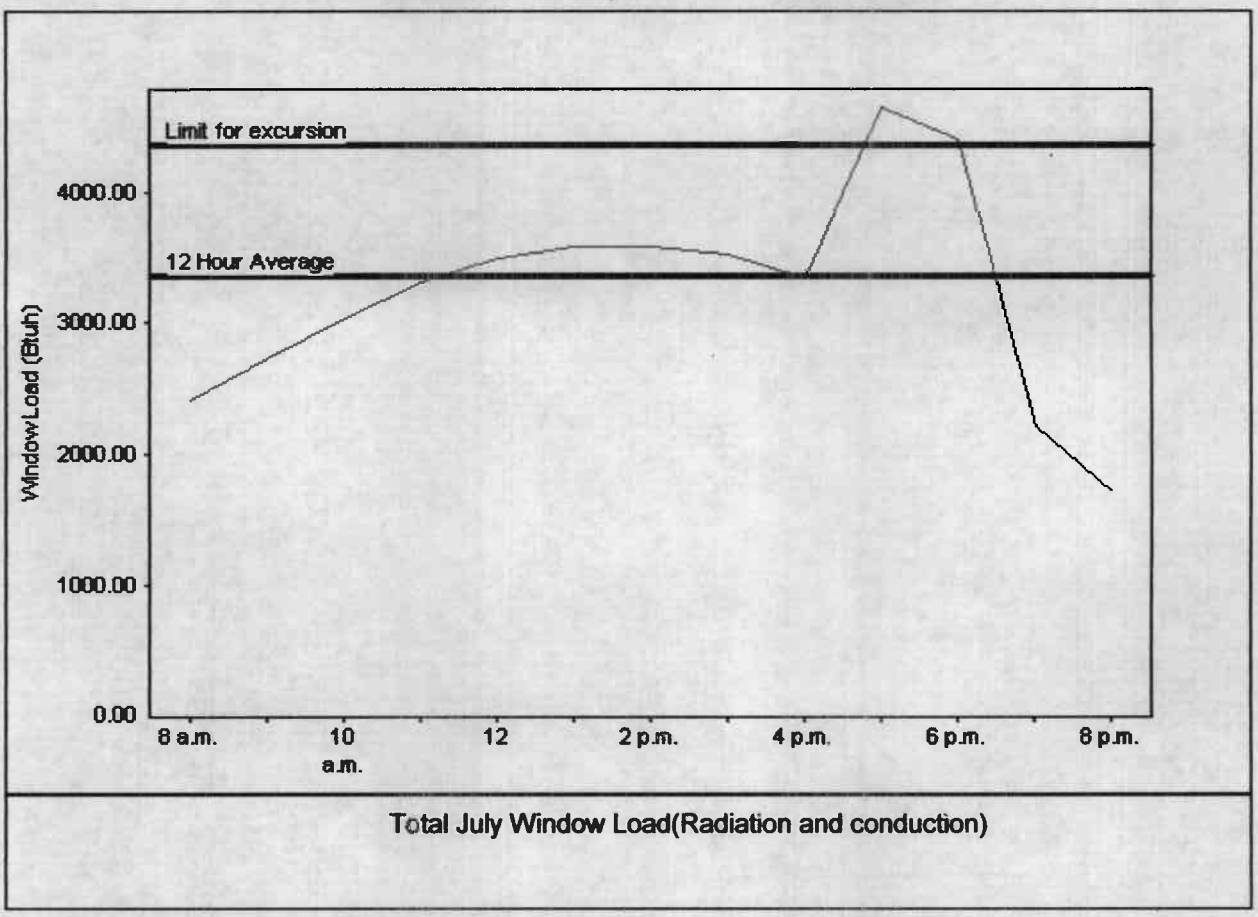
Project Title:
YAIMI'S NEW RESIDENCE

3/22/2012

Weather data for: Miami - Defaults

Summer design temperature	90 F	Average window load for July	3355 Btuh
Cooling setpoint	75 F	Peak window load for July	4651 Btuh
Summer temperature difference	15 F	Excusion limit(130% of Ave.)	4361 Btuh
Latitude	25.82 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

C20120579999

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

* site evaluation by DOH

PERMIT NO. AP1008443
DATE PAID:
FEE PAID: $1605.00
RECEIPT #: 13-SC-1403638
X20120786500

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Yaimi Diaz Campo

AGENT: Aymee Garcia/Adonai Design & Const. TELEPHONE: (305)441-1365

MAILING ADDRESS: 2519 Galiano st Coral Gables, FL 33134

==========

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

==========

PROPERTY INFORMATION

LOT: 8 BLOCK: 10 SUBDIVISION: Goulds Estates PLATTED: _____

PROPERTY ID #: Folio: 30-6913-003-1020 ZONING: RU-1 I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 0.23 ACRES WATER SUPPLY: [ ] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 11721 SW 228 st

DIRECTIONS TO PROPERTY: _____

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	New Residence	4	1694	
2				client already paid in full $1605. Please remove the CPP fee.
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

SIGNATURE: [signature] DATE: 04/10/12

* site evaluation by DOH

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT #. _____

APPLICANT: _____ AGENT: Aymee García

LOT: 8 BLOCK: 10 SUBDIVISION: Goulds Estates

PROPERTY ID #: Folio: 30-6913-003-1020 [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTMENT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEERS MUST PROVIDE LICENSE NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE CONFORMS TO SITE PLAN: [ ] YES [ ] NO NET USABLE AREA AVAILABLE: 0.13 ACRES
TOTAL ESTIMATED SEWAGE FLOW: _____ GALLONS PER DAY [RESIDENCES-TABLE 1/OTHER-TABLE2]
AUTHORIZED SEWAGE FLOW: _____ GALLONS PER DAY [1500 GPD/ACRE OR 2500 GPD/ACRE]
UNOBSTRUCTED AREA AVAILABLE: _____ SQFT UNOBSTRUCTED AREA REQUIRED: _____ SQFT

BENCHMARK/REFERENCE POINT LOCATION: _____
ELEVATION OF PROPOSED SYSTEM SITE IS _____ [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT

THE MINIMUM SETBACK WHICH CAN BE MAINTAINED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES
SURFACE WATER: _____ FT DITCHES/SWALES: _____ FT NORMALLY WET? [ ] YES [ ] NO
WELLS: PUBLIC: _____ FT LIMITED USE: _____ FT PRIVATE: _____ FT NON-POTABLE: _____ FT
BUILDING FOUNDATIONS: _____ FT PROPERTY LINES: _____ FT POTABLE WATER LINES: _____ FT

SITE SUBJECT TO FREQUENT FLOODING: [ ] YES [ ] NO 10 YEAR FLOODING? [ ] YES [ ] NO
10 YEAR FLOOD ELEVATION FOR SITE: _____ FT MSL/NGVD SITE ELEVATION: _____ FT MSL/NGVD

SOIL PROFILE INFORMATION SITE 1

MUNSELL #/COLOR	TEXTURE	DEPTH
		TO
		TO
		TO
		TO
		TO
		TO
		TO
		TO
		TO
		TO

USDA SOIL SERIES: _____

SOIL PROFILE INFORMATION SITE 2

MUNSELL #/COLOR	TEXTURE	DEPTH
		TO
		TO
		TO
		TO
		TO
		TO
		TO
		TO
		TO
		TO

USDA SOIL SERIES: _____

OBSERVED WATER TABLE: _____ INCHES [ABOVE / BELOW] EXISTING GRADE. TYPE: [PERCHED / APPARENT]
ESTIMATED WET SEASON WATER TABLE ELEVATION: _____ INCHES [ABOVE / BELOW] EXISTING GRADE
HIGH WATER TABLE VEGETATION: [ ] YES [ ] NO MOTTLING: [ ] YES [ ] NO DEPTH: _____ INCHES

SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: _____ DEPTH OF EXCAVATION: _____ INCHES
DRAINFIELD CONFIGURATION: [ ] TRENCH [ ] BED [ ] OTHER (SPECIFY) _____
REMARKS/ADDITIONAL CRITERIA: _____

SITE EVALUATED BY: _____ DATE: _____

FLORIDA DEPARTMENT OF HEALTH

Rick Scott
Governor

H. Frank Farmer, Jr., M.D., Ph.D.
State Surgeon General

WELL FORM

DOH #_____

Chapter 64E-6.004(3)(a), F.A.C.:

A plan or plat of the lot or total site ownership drawn to scale, showing boundaries with dimensions, locations of any existing or proposed residences or buildings, swimming pools, recorded easements, the on-site sewage treatment and disposal system components and their location on the property, the slope of the property and any existing or proposed wells, potable and non-potable water lines, including valves, drainage features, filled areas, unobstructed areas, and surface water bodies. The site plan shall indicate the location of wells, on-site sewage treatment and disposal systems, surface waters and other pertinent facilities or features on contiguous or adjacent property. If the features are within 75 feet of the applicant lot, the estimated to the feature must also be shown but need not be drawn to scale. The location of any public drinking water well, as defined in Chapter 64E.-6.002(44)(b), within 200 feet of the applicant's lot shall also be shown, with the distance indicated from the system to the well, and the location of limited use public water system or other public wells, as defined in Chapter 64E-6.002(44)(b), within 100 feet of the applicant lot must also be shown, or as defined in Chapter 64E-6.002(44)(a), F.A.C., within 75 feet from a private potable water well (well used only by one or two residences).

Chapter 24-12(18), Miami-Dade County Code:

The minimum separation between a well or wells and possible sources of contamination shall be a function of the drawdown radius of influence of the well or wells. In no case shall the well be located less than one hundred (100) horizontal feet from any source of contamination.

I have read the above and to the best of my knowledge I have provided the Department with full information regarding pertinent facilities and features on all adjacent properties. Furthermore, I understand that any on-site sewage treatment and disposal system permit issued on the basis of said facilities and feature as provided by me and found to be incorrect will be subject to revocation in accordance with the provisions of Chapter 120, Florida Statutes.

Property Address: 11721 SW 228 st, Miami Fl

Date: 04/09/12 Signature: _____

Samir Elmir, M.S., P.E., DEE, Division Director
Miami-Dade County Health Department
Environmental Health and Engineering
1725 N.W. 167th Street, Miami, Florida 33056
TEL (305) 623-3500 • FAX (305) 623-3502 • TDD (305) 623-3619
Email: samir_elmir@doh.state.fl.us
Website: www.dadehealth.org

AUTHORIZATION LETTER

Date: 04/09/12

Department of Health
O.S.T.D.S. & Well Program
Miami-Dade Conty Building and Inspection Center
11805 SW 26 Street
Miami, FL 33175

Ref: Permit No: (D2012057999

Address: 11721 SW 228 st
Street number/name

Miami FL
City State Zip Code

Property ID No.: Folio: 30-6913-003-1020

And/Or Legal Description: Lot 8, Block 10, "Goulds Estates", according to the plat thereof as recorded in Plat Book 46, at page 94, of the public records of Miami-Dade County, Florida.

I, Yaimi Diaz Campo
(Property owners full name or legal representative of the property)

in representation of: Single (new 11721 SW 228 St. Miami
(myself or property entity's full name)

As: owner
(owners or position into entity)

Hereby authorize: Aymee Garcia (Agent)
(property owners' legally authorized agent or company name)

To process and obtain the Septic System Permit for this property located at the above-referenced site.

Signature

CFN 2012R015191
OR Bk 28018 Pgs 1293 - 1294;
RECORDED 03/02/2012 14:40:3
DEED DOC TAX 0.60
HARVEY RUVIN, CLERK OF COUR
MIAMI-DADE COUNTY, FLORIDA

Prepared by:
Return to:
William A. Chiara, Jr., Esq.
4701 West 4th Avenue
Hialeah, Florida 33012

Property Appraiser's
Parcel Identification No.:
30-6913-0031-020

THIS QUIT CLAIM DEED, Executed this 30 day of January, 2012 by YAIMI DIAZ CAMPO, a single woman, whose post office address is 13203 S.W. 252nd Lane, Miami Gardens, FL 33055, FL 33012, first party, to REY-ROD., CORP., a Florida corporation, whose post office address is 14386 S.W. 15th Street, Miami, FL 33184, second party.

WITNESSETH:

That the said first party, for and in consideration of the sum of $10.00 paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quit-claim unto the said second party forever, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of **Miami-Dade**, State of Florida, to wit:

Lot 8, Block 10, GOULDS ESTATE SECTION-ONE, according to the Plat thereof as recorded in Plat Book 46, at page 94, of the Public Records of Miami-Dade County, Florida.

THIS QUIT CLAIM DEED IS DRAFTED WITHOUT AN OPINION AS TO THE TITLE.

TO HAVE AND TO HOLD The same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said first party, either in law or equity, to the only proper use, benefit and behoof of the said second party forever.

IN WITNESS WHEREOF, The Said first party has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the present of:

William A. Chiara, Jr.

YAIMI DIAZ CAMPO L.S.

Dinorah Callejas

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the County aforesaid to take acknowledgments, personally appeared YAIMI DIAZ CAMPO, a single woman, to me known to be the person described in, or who has produced FL D251 960 65 720-0 as identification and who executed the foregoing instrument and she acknowledge before me that she executed the same, and who did take an oath.

WITNESS my hand and official seal, this 30 day of January, 2012 in the County and State aforesaid.

Notary Public

My Commission Expires:

WILLIAM A. CHIARA, JR.
MY COMMISSION # DD 866797
EXPIRES: March 5, 2013
Bonded Thru Notary Public Underwriters

WILLIAM A. CHIARA, JR.
Attorney and Counselor at Law
4701 West 4th Avenue, Hialeah, Florida 33012
Phone (305-557-2577 Fax: (305)825-3876 chiaralegal@aol.com

March 21, 2012

Orlando Rodriguez
Rey-Rod, Corp.
14386 S.W. 15th Street
Miami, FL 33184

Re: Quit Claim Deed Lot 8, Block 10, Goulds Estate Section One

Dear Mr. Rodriguez:

Enclosed please find original Quit Claim Deed duly recorded, placing the property in the name of your corporation.

It has been a pleasure serving you and if we can be of further assistance; do not hesitate to contact the undersigned.

Very truly yours,

William A. Chiara, Jr.

WAC/dc

Enclosure.

Professional (Individual or Corporation)

PROFESSIONAL PREPARER'S STATEMENT OF LANDSCAPING COMPLIANCE

PROCESS NUMBER C 20120577999

Legal description: Lot 8, Block 10, Subdivision Goulds Estates
P.B. 46 Page 94, Development name
Located at (address) 11721 SW 202 st

I/We hereby certify that the landscaping/irrigation plan being submitted for the above captioned complies with the requirements of Ordinance 98-13 (landscaping ordinance) as to species, height, trunk width and location at time of planting, and that the species as shown are in accordance with the accepted species approved by Miami-Dade County and that none of the species are from the prohibited list.

Additionally automatic sprinkler system (if applicable) comply with requirement of said ordinance as to type of heads, spray system, location, etc.

I/We further certify that I/we am/are authorized under Chapter 481, Florida statutes to prepare and submit this landscaping/irrigation plan.

Orlando Rodriguez Seal:
Professional Preparer's Signature
Orl Rod
Print Name

STATE OF Florida
COUNTY OF Dade

The foregoing instrument was acknowledged before me this 26 day of June, 2012, by _____, of _____ a Yawel Inc. corporation, on behalf of the corporation. He/She is personally known to me or has produced ID, as identification and did/did not take an oath.

Witness my signature and official seal this _____ day of _____, 200___, in the County and State aforesaid, the date and year last aforesaid.

CLARA ELENA RODRIGUEZ
Notary Public
EXPIRES July 06, 2014
(407) 398-0153

Print Name

My Commission Expires:

Examiner	Date Time Stamp	Disp.	Trade	Stamp Name
Charmaine Shinhoster	7/5/2012 1:10:55 PM	A	PLAN	Approved

MIAMI-DADE COUNTY

Carlos A. Gimenez, Mayor

Permitting, Environment and Regulatory Affairs
Environmental Services
11805 SW 26th Street, Ste. 124
Miami, Florida 33175-2474
T 786-315-2800 F 786-315-2919

miamidade.gov

AFFIDAVIT FOR GROUNDWATER ANALYSIS

SECTION I

a. Process No. C2012057999 Folio No. 30-6913-003-1020

b. Project Name Yaimi's New Residence

Property Address 11721 SW 228 St

City Miami State FL Zip Code

c. Proposed Use: [X] Residential [ ] Non-Residential

SECTION II

I, the undersigned, hereby attest that I am aware that the owner/applicant must submit the required Primary Drinking Water (PDW) analysis of the raw groundwater at the subject property to the Permitting, Environmnet and Regulatory Affairs Department (PERA), Water and Wastewater Engineering Section before the issuance of the Certificate of Occupancy (CO) by the County or any municipality. Furthermore, pursuant to Section 24-43.2(1)(a)(iii), said CO shall not be issued by the County or any municipality until the Director, or the Director's designee, certifies that the raw groundwater at the site does not require treatment in order to meet the Primary Drinking Water Standards set forth in Chapter 62-550 of the Florida Administrative Code, as same may be amended from time to time, and only if the groundwater at the site does not contain more than two hundred and fifty (250) milligrams per liter (mg/l) of chlorides at a depth of thirty (30) feet from ground elevation, pursuant to Section 24-43.2 (1)(a)(iv) of the Code of Miami-Dade County.

In the event that the groundwater analysis does not meet the Primary Drinking Water Standards (PDWS), the owner/applicant may resubmit the raw groundwater analysis (split with DERM) from either the previously sampled well or a new well within the property. Otherwise, the owner/applicant must obtain a variance approval from the Environmental Quality Control Board (EQCB). A final building CO shall not be released until the variance is obtained. If the split sampling meets the PDWS then the requirement for EQCB approval will be waived.

This affidavit is hereby prepared by PERA as an option to allow the owner/applicant to proceed through the Plan Review/Approval process and obtain the required construction permit(s).

[signature]
Name in Print (Owner, or Authorized Representative)/Title

Yaimi Diaz Campo
Signature (Owner, or Authorized Representative)

13203 SW 252 Ln
Address (Owner, Lessee or Authorized Rep.)

(305) 441-1365
Telephone Number

STATE OF FLORIDA)
COUNTY OF DADE) ss:

The foregoing instrument was acknowledged before me this 26 day of June, 2012 by who has produced, as identification and who did (did not) take an oath.

CLARA ELENA RODRIGUEZ
MY COMMISSION # DD 995786
EXPIRES: July 25, 2014

Notary Public, State of Florida at Large

(305) 441-1365
Phone Number:

Signature (Owner, Lessee or Authorized Representative)

06/26/12
Date

Received by Name of DERM Personnel/Section

Dated Signature

MIAMI-DADE COUNTY

Building
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100

miamidade.gov

NOTICE TO MIAMI-DADE COUNTY BUILDING DEPARTMENT OF EMPLOYMENT AS SPECIAL INSPECTOR UNDER THE FLORIDA BUILDING CODE

I (We) have been retained by Yaimi Diaz to perform special inspector services under the Florida Building Code at the 11721 SW 228 st project on the below listed structures as of 08/25/12 (date). I am a registered architect or professional engineer licensed in the State of Florida.

Process Numbers: 2012057999

- ☐ Special inspector for piling, FBC 1822.12.0
- ☒ Special inspector for trusses over 35 ft. long or 6 ft high 2319.17.2.4.2
- ☒ Special inspector for reinforced masonry, FBC 2122.4
- ☐ Special inspector for steel connections, FBC 2218.2
- ☒ Special inspector for soil compaction, FBC 1820.3.1
- ☐ Special inspector for precast units & attachments per FBC 1927.12
- ☐ Special inspector for _____

***Note**: Only the marked boxes apply.*

The following individual(s) employed by this firm or me are authorized representatives to perform inspection*

1. _____ 2. _____
3. _____ 4. _____

** Special Inspectors utilizing authorized representatives shall insure the authorized representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include licensure as a professional engineer or architect; graduation from an engineering education program in civil or structural engineering; graduation from an architectural education program; successful completion of the NCEES Fundamentals Examination; or registration as building inspector or general contractor.*

I, (we) will notify Miami-Dade County Building Department of any changes regarding authorized personnel performing inspection services.

I, (we) understand that a Special Inspector inspection log for each building must be displayed in a convenient location on the site of reference by the Miami-Dade County Building Department Inspector. All mandatory inspections, as required by the Florida Building Code, must be performed by the County. The County building inspections, as required by the Florida Building Code, must be performed by the County. The County building inspections must be called for on all mandatory inspections. *Inspections performed by the Special Inspector hired by the Owner are **in addition** to the mandatory inspections performed by the Department*. Further, upon completion of the work under each Building Permit I will submit to the Building Inspector at the time of final inspection the completed inspection log form and a sealed statement indicating that, to the best of my knowledge, belief and professional judgment those portions of the project outlined above meet the intent of the Florida Building Code and are in substantial accordance with the approved plans.

Engineer/Architect Name Claudio A. Jativa (print)

Address 2519 Galiano st Coral Gables FL

Signed and Sealed

Date: 08/25/12

Phone No. (305) 441-1365

123_01-121 6/06

C - 2012057999

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # AP 1068443

APPLICANT: Yaimi Diaz Campo AGENT: ______

LOT: ______ BLOCK: ______ SUBDIVISION: ______

PROPERTY ID #: 30 6913 003 1020 [Section/Township/Range/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH UNIT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEER'S MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE CONFORMS TO SITE PLAN: [X] YES [ ] NO NET USABLE AREA AVAILABLE: 0.26 ACRES
TOTAL ESTIMATED SEWAGE FLOW: 400 GALLONS PER DAY [RESIDENCES-TABLE 1 / OTHER-TABLE 2]
AUTHORIZED SEWAGE FLOW: 660 GALLONS PER DAY [1500 GPD/ACRE OR 2500 GPD/ACRE]
UNOBSTRUCTED AREA AVAILABLE: 1000 SQFT UNOBSTRUCTED AREA REQUIRED: 1000 SQFT

BENCHMARK/REFERENCE POINT LOCATION: ℄ SW 228 St : 8.00' NGVD
ELEVATION OF PROPOSED SYSTEM SITE IS 1.44 [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT

THE MINIMUM SETBACK WHICH CAN BE MAINTAINED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES:
SURFACE WATER: N/A FT DITCHES/SWALES: N/A FT NORMALLY WET? [ ] YES [X] NO
WELLS: PUBLIC: N/A FT LIMITED USE: N/A FT PRIVATE: ______ FT NON-POTABLE: N/A FT
BUILDING FOUNDATIONS: 5 FT PROPERTY LINES: 5 FT POTABLE WATER LINES: 10 FT
HSWT: 4.50'

SITE SUBJECT TO FREQUENT FLOODING: [ ] YES [ ] NO 10 YEAR FLOODING? [ ] YES [ ] NO
10 YEAR FLOOD ELEVATION FOR SITE: ______ FT MSL/NGVD SITE ELEVATION: 8.12' FT MSL/NGVD

SOIL PROFILE INFORMATION SITE 1

Munsell #/Color	Texture	Depth
		to
10YR 4/2	Sand	0 to 3"
		to
10YR 8/2	Limestone	3" to 72"
		to
		to
		to
		to
		to

USDA SOIL SERIES: Opa Locka Sand Rock Outcrop Complex

SOIL PROFILE INFORMATION SITE 2

Munsell #/Color	Texture	Depth
		to
10YR 8/2	Limestone	0 to 72
		to
		to
		to
		to
		to
		to
		to

USDA SOIL SERIES: Opa Locka Sand-Rock Outcrop Complex

OBSERVED WATER TABLE: ______ INCHES [ABOVE / BELOW] EXISTING GRADE. TYPE: [PERCHED / APPARENT]
ESTIMATED WET SEASON WATER TABLE ELEVATION: 43.44 INCHES [ABOVE / BELOW] EXISTING GRADE.
HIGH WATER TABLE VEGETATION: [ ] YES [X] NO MOTTLING: [ ] YES [X] NO DEPTH: ______ INCHES

SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: 0.60 DEPTH OF EXCAVATION: 61.44 INCHES
DRAINFIELD CONFIGURATION: [ ] TRENCH [X] BED [ ] OTHER (SPECIFY) ______
REMARKS/ADDITIONAL CRITERIA:
Well to be at 100 ft (min) [illegible]

SITE EVALUATED BY: Joseph Piverger DATE: 4/23/12

DH 4015, 10/96 (Replaces HRS-H Form 4015 [Page 3] which may be used)
(Stock Number: 5744-003-4015-1)

C 2012 057599

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

http://www.miamidade.gov/building/home.asp

10/24/2012 10:40:47 AM

Tracking #	Process #	Permit #
0000755322	C2012057999	2013004607

THIS COPY OF PLANS MUST BE AVAILABLE ON BUILDING SITE OR AN INSPECTION WILL NOT BE MADE.			
Review	**Disposition**	**Reviewer**	**Date**
PLUM	A	Ron Hampton	3/23/2012 4:29:21 PM
HRS	A	Pedro Ospina	5/9/2012 3:57:52 PM
WASA	N	Nancy Cobb	9/14/2012 8:41:51 AM
BLDG	A	Mario Soto	4/9/2012 4:47:10 PM
PWIF	A	Yamirle Lopez	10/2/2012 9:06:18 AM
ZONE	A	Yamirle Lopez	2/29/2012 9:26:55 AM
PLAN	A	Charmaine Shinhoster	9/18/2012 7:59:21 AM
PWCC	A	Angel Cardenas	10/17/2012 9:41:30 AM
STRU	A	Ana Salgueiro	9/18/2012 12:45:47 PM
ELEC	A	Stuart Bazerman	2/29/2012 5:22:26 PM
DERM	A	Jose Debasa	9/13/2012 9:08:17 AM
MECH	A	Camilo Martinez	4/6/2012 10:32:20 AM
PWKS	A	Mike Lugo	9/20/2012 4:42:30 PM

Disclaimer.

Subject to compliance with all Federal, State, and County Laws, rules and regulations. Miami-Dade County assumes no responsibility for accuracy of or results of these plans.

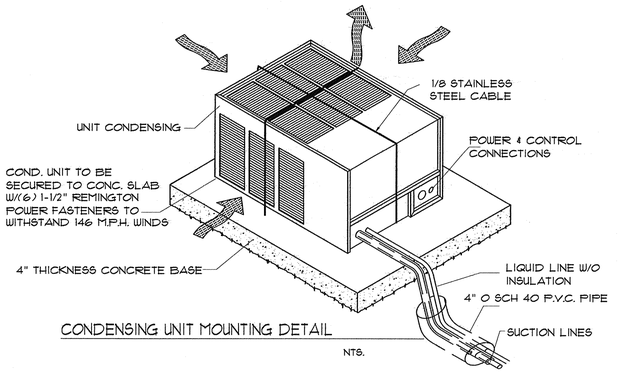
NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to the property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies.

Stamp Name	Trade	Disposition	Stamp Description
Void	BLDG	V	Void
Void	PLUM	V	Void
Approved	PWKS	A	Approved
Disapproved	MECH	D	Disapproved
Approved	HRS	A	Approved
Approved	MECH	A	Approved
Approved	BLDG	A	Approved
Void	HRS	V	Void
Reviewed	MECH	A	Reviewed as doc. or additional info. required.
Approved	ELEC	A	Approved
Void	PLAN	V	Void
Disapproved	PWKS	D	Disapproved
Special Inspector	STRU	I	Special Inspector
Approved	PLUM	A	Approved

Approved	STRU	A	Approved ********** Job copy MUST be PRINTED TO FULL SCALE Job Copy must bear the date, signature and, seal of the professional of record in order to validate. **********
Void	STRU	V	Void STRUCTURAL
Approved	PLAN	A	Approved

SPLIT SYSTEM SCHEDULE

MANUFACTURER	A/C UNIT
	RHEEM
CONDENSING UNIT MODEL	13AJN48A01
AIR HANDLER UNIT MODEL	RHSLHM482UA
VOLTAGE	1-60-208/230
C.F.M. HIGH	1,600
S.E.E.R.	13
TOTAL B.T.U.'S	46,000
SENSIBLE B.T.U.'S	33,300
LATENT B.T.U.'S	12,700
MAXIMUM K.W. HEAT	10 KW
EXT. STATIC PRESSURE	0.3
THERMOSTAT MODEL	T-834C
LIQUID/SUCTION SIZE-IN	3/8" - 3/4"
FAN MOTOR F.L.A	1/4
FUSE (MIN.)	25/25
MIN. CIRCUIT AMPACITY AMPS.	18/18



CONDENSING UNIT MOUNTING DETAIL

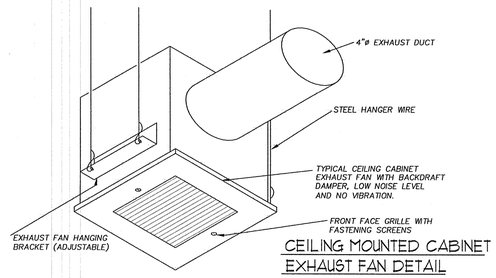
NTS.

H.V.A.C. NOTES

- ALL WORK SHALL CONFORM WITH THE FLORIDA BUILDING CODE AND ALL OTHER APPLICABLE STATE AND LOCAL
- CONTRACTOR SHALL WARRANT ALL WORK TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD
- BALANCE ALL SYSTEMS TO PROVIDE AIR QUANTITIES AND CAPACITIES AS INDICATED OR AS REQUIRED BY CODE
- ALL WORK SHALL BE FIELD CHECKED BEFORE INSTALLATION AND COORDINATED WITH ALL TRADES.
- DUCTWORK SHALL BE CLASS 1 GLASS FIBER DUCTBOARD IN ACCORDANCE WITH SM.A.C.N.A.'S FIBROUS DUCT
- PROVIDE VOLUME DAMPERS TURNING VANES, ETC., IN DUCTWORK FOR PROPER AIR FLOW AND BALANCE. PROVIDE MULTIPLE VANE EXTRACTORS WITH CONTROL RODS AT ALL OUTLETS CONNECTED CLOSER THAN TWO DUCT DIAMETERS
- FLEXIBLE DUCTS IF USED SHALL BE THE INSULATED TYPE(MIN. R-6) SUPPORTED AND INSTALLED TO AVOID SAGS AND KINKS. ALL FLEXIBLE DUCTS SHALL BE SIMILAR IN LENGTH TO AVOID DISSIMILAR PRESSURE DROPS AND THE LONGEST
- REFRIGERANT PIPING SHALL BE SEAMLESS COPPER TYPE "L" HARD OR SOFT DRAWN OR ACR COPPER TUBING JOINTS USED IN REFRIGERATING SYSTEMS CONTAINING GROUP A2,A3,B2 OR B3 REFRIGERANTS SHALL BE BRAZED.
- INSULATE REFRIGERANT SUCTION PIPING WITH 3/4" ARMAFLEX PREMOLDED PIPE INSULATION
- PROVIDE A/C UNITS WITH MATCHING HEAT - COOL THERMOSTATS WITH ON - OFF AUTO SUB - BASE SWITCH,
- PROVIDE ALL NECESSARY INSTRUCTIONS TO THE OWNER FOR OPERATION OF THE SYSTEM INCLUDING OPERATING
- PROVIDE ALL NECESSARY SLEEVES BEFORE CONCRETE IS POURED AND COORDINATE PLANS AND LOCATION OF DUCTS WITH TRUSS MANU. AND ARCHITECT PRIOR TO COMMENCING WITH THE WORK. IF CONFLICT ARISES AND NOTIFICATION WAS NOT DONE IT SHALL BE THE RESPONSIBILITY OF THE A/C CONTRACTOR TO FIND A SOLUTION

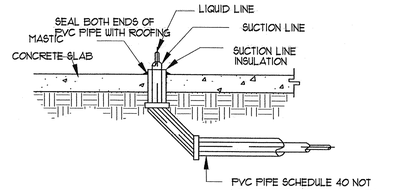
ENERGY NOTES

- THE HOUSE MUST COMPLY WITH ALL PRESCRIPTIVE REQUIREMENTS FOR WINDOW, DOOR AND DUCTWORK INFILTRATION AND INCLUDE THE FOLLOWING REQUIREMENTS:
- WINDOWS SHALL HAVE A MAXIMUM OF 0.5 CFM PER LINEAR FOOT OF OPERABLE SASH CRACK
- DOORS INCLUDING SLGLDRS. SHALL HAVE A MAX. OF 0.5 CFM PER SQ. FT. OF DOOR AREA
- EXTERIOR JOINTS OR OPENINGS IN THE BUILDING ENVELOPE SHALL BE CAULKED GASKETED WEATHERSTRIPPED OR OTHERWISE SEALED IN AN APPROVED MANNER
- H.V.A.C. DUCTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE LOCAL MECHANICAL
- ALL JOINTS IN DUCTWORK IN UNCONDITIONED SPACES SHALL BE SEALED
- ALL EXHAUST FANS VENTED TO EXTERIOR OR UNCONDITIONED SPACE SHALL HAVE DAMPERS
- ALL PENETRATIONS, JOINTS AND CRACKS IN INTERIOR SURFACES OF CEILINGS AND EXTERIOR WALLS SHALL BE INCLUDING THE FOLLOWING COMPONENTS: WINDOW AND DOOR FRAMES, ELECTRICAL OUTLETS, BASEBOARDS, ATTIC ACCESSES, AND RECESSED LIGHTING CANS
- THESE PLANS WERE PREPARED TO COMPLY WITH THE BUILDING ENVELOPE ENERGY REQUIREMENTS OF THE FLORIDA MODEL ENERGY CODE PRESCRIPTIVE #2. INSULATION VALUES ARE AS NOTED ON PLANS.



CEILING MOUNTED CABINET EXHAUST FAN DETAIL

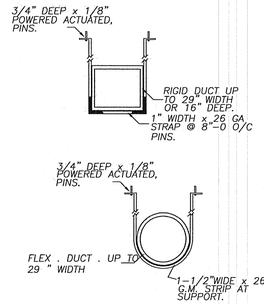
N.T.S.



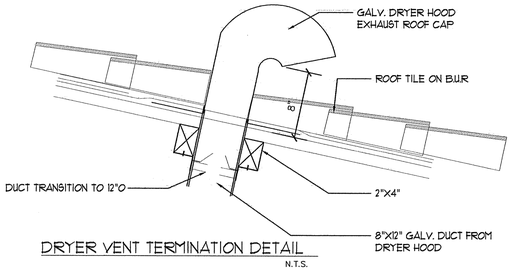
REFRIGERANT LINES PROT. DETAIL

NTS.

LIVING ROOM	YES	NO
DUCT SMOKE DETECTOR		
FIRE DAMPER(S)		
SMOKE DAMPER(S)		
FIRE RATED ENCLOSURE		
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		
FIRE STOPPING		
SMOKE CONTROL		

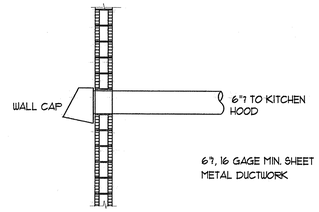


DUCT HANG DETAIL



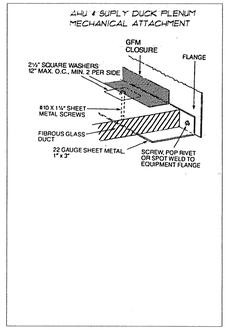
DRYER VENT TERMINATION DETAIL

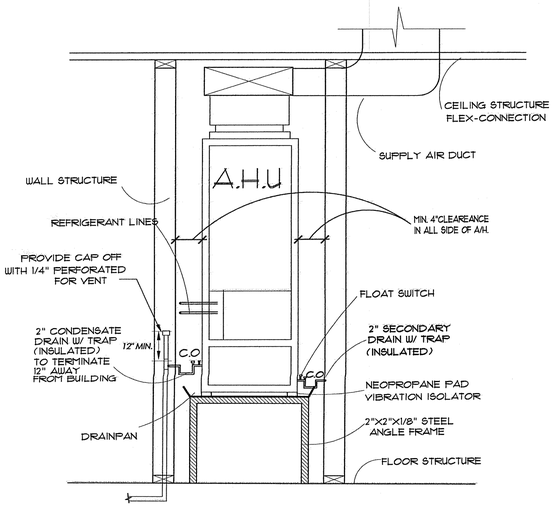
N.T.S.



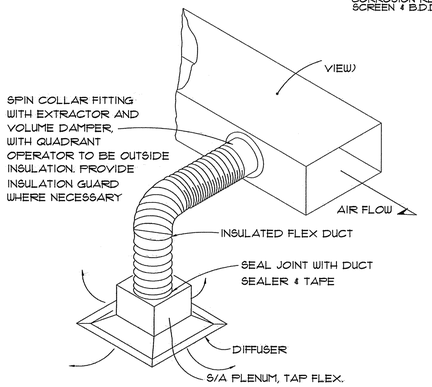
KITCHEN EXHAUST WALL CAP DETAIL

N.T.S.





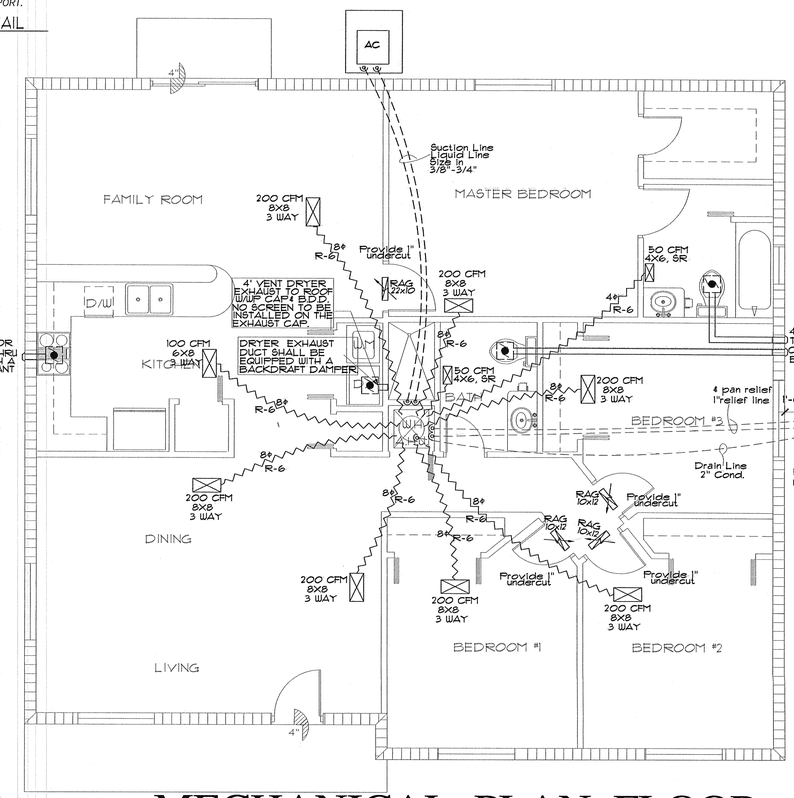
A.H.U MOUNTING DETAIL



MAXIMUM LENGTH OF FLEXIBLE DUCT RUNOUT TO DIFFUSER TO BE 12 FEET

FLEXIBLE DUCT CONNECTIONS DETAIL

NTS



MECHANICAL PLAN FLOOR

SC 1/4"=1'

REVISIONS:

- REV.1
- REV.2
- REV.3

ADONAI design & const., inc.
CLAUDIO A. JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 265 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE

CLIENT: YAIMI DIAZ CAMPO

ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

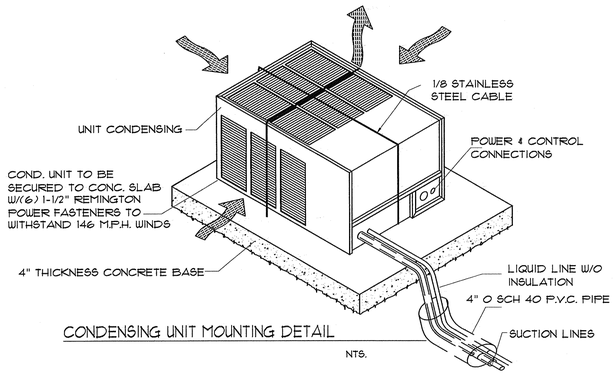
OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: MECH. PLAN
Drawn By: CG
Scale: 1/4"=1'
Date: 11/11

M-1

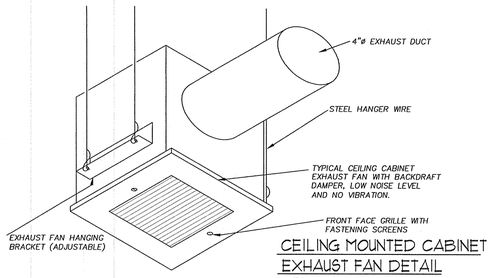
SPLIT SYSTEM SCHEDULE

MANUFACTURER	A/C UNIT
	RHEEM
CONDENSING UNIT MODEL	13AJN48A01
AIR HANDLER UNIT MODEL	RHSLHM4821JA
VOLTAGE	1-60-208/230
C.F.M. HIGH	1600
S.E.E.R.	13
TOTAL B.T.U.'S	46,000
SENSIBLE B.T.U.'S	33,300
LATENT B.T.U.'S	12,700
MAXIMUM K.W. HEAT	10 KW
EXT. STATIC PRESSURE	0.3
THERMOSTAT MODEL	T-834C
LIQUID/SUCTION SIZE-IN	3/8" - 3/4"
FAN MOTOR FLA	1/4
FUSE (MIN.)	25/25
MIN. CIRCUIT AMPACITY AMPS.	18/18



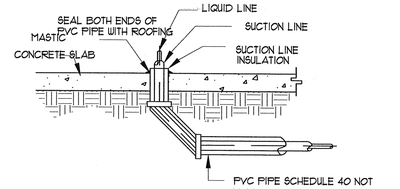
CONDENSING UNIT MOUNTING DETAIL

NTS.



CEILING MOUNTED CABINET EXHAUST FAN DETAIL

N.T.S.



REFRIGERANT LINES PROT. DETAIL

NTS.

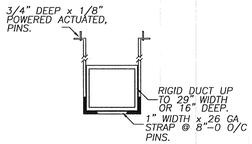
H.V.A.C. NOTES

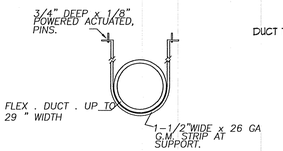
- ALL WORK SHALL CONFORM WITH THE FLORIDA BUILDING CODE AND ALL OTHER APPLICABLE STATE AND LOCAL
- CONTRACTOR SHALL WARRANT ALL WORK TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD
- BALANCE ALL SYSTEMS TO PROVIDE AIR QUANTITIES AND CAPACITIES AS INDICATED OR AS REQUIRED BY CODE
- ALL WORK SHALL BE FIELD CHECKED BEFORE INSTALLATION AND COORDINATED WITH ALL TRADES.
- DUCTWORK SHALL BE CLASS 1 GLASS FIBER DUCTBOARD IN ACCORDANCE WITH S.M.A.C.N.A.'S FIBROUS DUCT
- PROVIDE VOLUME DAMPERS TURNING VANES, ETC., IN DUCTWORK FOR PROPER AIR FLOW AND BALANCE. PROVIDE MULTIPLE VANE EXTRACTORS WITH CONTROL RODS AT ALL OUTLETS CONNECTED CLOSER THAN TWO DUCT DIAMETERS
- FLEXIBLE DUCTS IF USED SHALL BE THE INSULATED TYPE(MIN. R-6) SUPPORTED AND INSTALLED TO AVOID SAGS AND KINKS. ALL FLEXIBLE DUCTS SHALL BE SIMILAR IN LENGTH TO AVOID DISSIMILAR PRESSURE DROPS AND THE LONGEST
- REFRIGERANT PIPING SHALL BE SEAMLESS COPPER TYPE "L" HARD OR SOFT DRAWN OR ACR COPPER TUBING JOINTS USED IN REFRIGERATING SYSTEMS CONTAINING GROUP A2,A3,B2 OR B3 REFRIGERANTS SHALL BE BRAZED.
- INSULATE REFRIGERANT SUCTION PIPING WITH 3/4" ARMAFLEX PREMOLDED PIPE INSULATION
- PROVIDE A/C UNITS WITH MATCHING HEAT - COOL THERMOSTATS WITH ON - OFF AUTO SUB - BASE SWITCH.
- PROVIDE ALL NECESSARY INSTRUCTIONS TO THE OWNER FOR OPERATION OF THE SYSTEM INCLUDING OPERATING
- PROVIDE ALL NECESSARY SLEEVES BEFORE CONCRETE IS POURED AND COORDINATE PLANS AND LOCATION OF DUCTS WITH TRUSS MANU. AND ARCHITECT PRIOR TO COMMENCING WITH THE WORK. IF CONFLICT ARISES AND NOTIFICATION WAS NOT DONE IT SHALL BE THE RESPONSIBILITY OF THE A/C CONTRACTOR TO FIND A SOLUTION

ENERGY NOTES

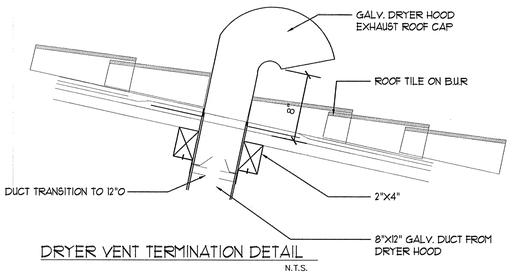
- THE HOUSE MUST COMPLY WITH ALL PRESCRIPTIVE REQUIREMENTS FOR WINDOW, DOOR AND DUCTWORK INFILTRATION AND INCLUDE THE FOLLOWING REQUIREMENTS:
- WINDOWS SHALL HAVE A MAXIMUM OF 0.5 CFM PER LINEAR FOOT OF OPERABLE SASH CRACK
- DOORS INCLUDING SLIDERS SHALL HAVE A MAX. OF 0.5 CFM PER SQ. FT. OF DOOR AREA
- EXTERIOR JOINTS OR OPENINGS IN THE BUILDING ENVELOPE SHALL BE CAULKED GASKETED WEATHERSTRIPPED OR OTHERWISE SEALED IN AN APPROVED MANNER
- H.V.A.C. DUCTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE LOCAL MECHANICAL
- ALL JOINTS IN DUCTWORK IN UNCONDITIONED SPACES SHALL BE SEALED
- ALL EXHAUST FANS VENTED TO EXTERIOR OR UNCONDITIONED SPACE SHALL HAVE DAMPERS
- ALL PENETRATIONS, JOINTS AND CRACKS IN INTERIOR SURFACES OF CEILINGS AND EXTERIOR WALLS SHALL BE INCLUDING THE FOLLOWING COMPONENTS: WINDOW AND DOOR FRAMES, ELECTRICAL OUTLETS, BASEBOARDS, ATTIC ACCESSES, AND RECESSED LIGHTING CANS
- THESE PLANS WERE PREPARED TO COMPLY WITH THE BUILDING ENVELOPE ENERGY REQUIREMENTS OF THE FLORIDA MODEL ENERGY CODE PRESCRIPTIVE #2. INSULATION VALUES ARE AS NOTED ON PLANS.

LIVING ROOM	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER(S)		X
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X



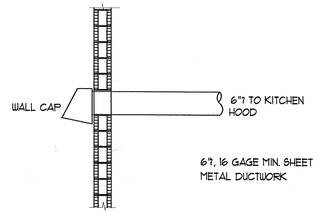


DUCT HANG DETAIL



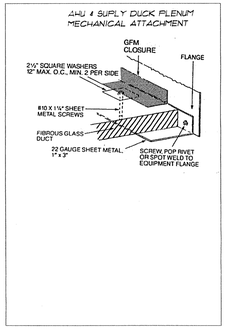
DRYER VENT TERMINATION DETAIL

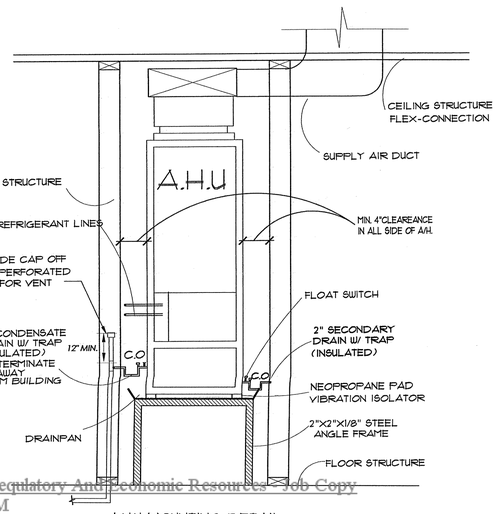
N.T.S.



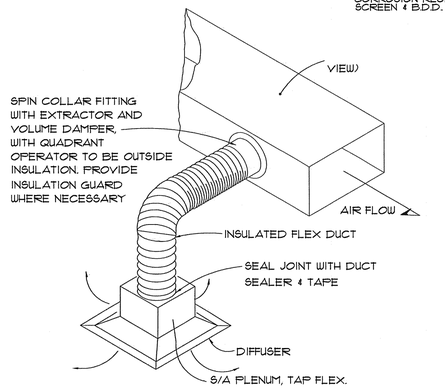
KITCHEN EXHAUST WALL CAP DETAIL

N.T.S.





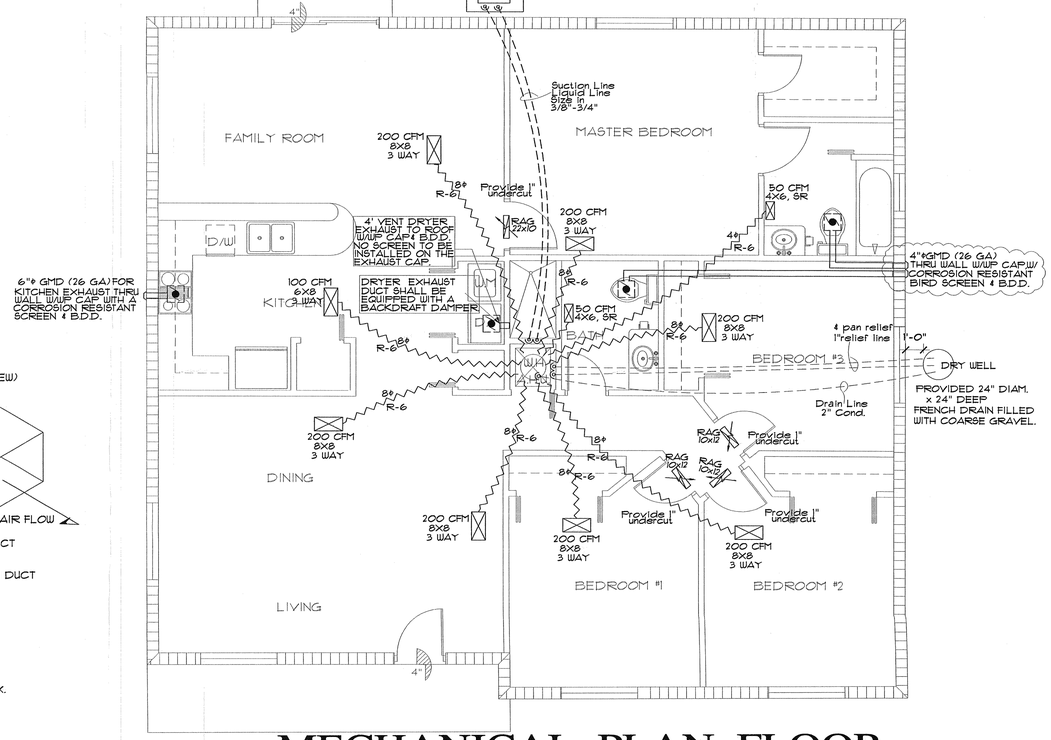
A.H.U MOUNTING DETAIL



MAXIMUM LENGTH OF FLEXIBLE DUCT RUNOUT TO DIFFUSER TO BE 12 FEET

FLEXIBLE DUCT CONNECTIONS DETAIL

NTS



MECHANICAL PLAN FLOOR

SC 1/4"=1'

REVISIONS:

- REV.1
- REV.2
- REV.3

ADONAI design & const. inc.
CLAUDIO A. JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO

CLIENT:

ADDRESS: 11721 SW 228 ST MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: MECH. PLAN
Drawn By: CG
Scale: 1/4"=1'
Date: 11/11

M-1

PLUMBING NOTES:

1. ALL PLUMBING WORK SHALL BE PERFORMED IN ACCORDANCE WITH, HOWEVER, NOT LIMITED TO, THE 'LATEST EDITION' OF THE FLORIDA BUILDING CODE 2007, THE STANDARD PLUMBING CODE, N.F.P.A., AS WELL AS ALL APPLICABLE NATIONAL, STATE & LOCAL CODES, REGULATIONS & ORDINANCES AND WITH THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION.

2. THE CONTRACTOR SHALL FIELD VERIFY ALL INVERT ELEVATIONS AND SIZE OF EXISTING SEWER AND WATER MAINS FOR CONNECTION OF NEW SERVICES.

3. ALL FIXTURES SHALL BE PROTECTED AGAINST WATER HAMMER WITH AIR CHAMBERS OR SHOCK ABSORBERS.

4. ALL PLUMBING FIXTURES SHALL BE DETERMINED BY OWNER.

5. ALL HORIZONTAL BUILDING DRAINAGE PIPING OF 2" DIAMETER AND LESS SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/4" PER FOOT.

6. ALL HORIZONTAL BUILDING DRAINAGE PIPING 3" DIAMETER AND LARGER SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/8" PER FOOT UNLESS OTHERWISE NOTED ON THESE PLANS OR ELSEWHERE IN THESE NOTES.

7. PROVIDE FULLY ACCESSIBLE CLEAN OUTS ON SANITARY & WASTE PIPING AS SHOWN OR AS REQUIRED BY CODE.

8. VENT LINES SHALL EXTEND A MINIMUM OF 6" ABOVE THE ROOF AND SHALL BE FLASHED WITH A LEAD BOOT OR SHALL BE CONNECTED TO OTHER VENT THRU LINES.

9. THE PLUMBING CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ANY & ALL FEES (IF APPLICABLE) REQUIRED TO PERFORM THEIR WORK.

10. THESE DRAWINGS ONLY PROVIDE DESIGN LOCATIONS FOR THE EQUIPMENT DEPICTED HEREIN, THE PLUMBING CONTRACTOR SHALL OBTAIN SHOP DRAWINGS / CUT SHEETS FROM THE EQUIPMENT SUPPLIER IN ORDER TO PLACE ROUGH-IN LINES AT OPTIMUM LOCATIONS FOR THE SPECIFIED EQUIPMENT.

11. THE TEMPERATURE OF MIXED WATER TO INDIVIDUAL SHOWERS AND SHOWER / BATH COMBINATIONS SHALL BE CONTROLLED BY A SCALD PREVENTATIVE VALVE OF THE PRESSURE BALANCING OR THERMOSTATIC OR COMBINATION MIXED VALVE TYPE. HANDLE POSITION STOPS SHALL BE ADJUSTED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AT TIME OF INSTALLATION TO A MAXIMUM MIX OUTLET TEMPERATURE OF 120~ F. PER F.B.C.

13. THE PLUMBING CONTRACTOR SHALL PROVIDE FINAL CONNECTIONS TO ALL REQUIRED EQUIPMENT, UNLESS OTHERWISE NOTED.

14. THE PLUMBING CONTRACTOR SHALL COORDINATE w/LOCAL UTILITY COMPANIES TO OBTAIN EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES FOR THE SITE AND SHALL VERIFY LOCATIONS PRIOR TO BEGINNING ROUGH-IN.

15. IN GENERAL, THESE PLANS ARE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED. COORDINATE ALL PLUMBING WORK WITH ELECTRICAL & H.V.A.C. WORK SO AS NOT TO CONFLICT IN LOCATION OR PERFORMANCE OF OTHER SYSTEMS.

15. THE OWNER WILL NOT BE HELD LIABLE FROM FIELD CHANGES THAT MAY ARISE FROM CONTRACTOR ERROR OR OMISSION OF MATERIALS OR FROM WORKMANSHIP IN TRADE PERFORMANCE.

16. NECESSARY, OBVIOUSLY REQUIRED PLUMBING ITEMS THAT ARE NOT SHOWN ON THESE DRAWINGS DOES NOT RELIEVE THE PLUMBING CONTRACTOR FROM THEIR RESPONSIBILITY OF INSTALLING A COMPLETELY OPERATING AND SAFE PLUMBING SYSTEM APPLICABLE w/ ALL CODES AS PREVIOUSLY DESCRIBED IN NOTE 1 ABOVE.

17. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL INSPECTIONS AND CERTIFICATIONS THAT MAY BE REQUIRED DURING AND UPON COMPLETION OF THEIR WORK.

18. ALL SANITARY PIPING SHALL BE POLY VINYL CHLORIDE (PVC), SCHEDULE 40 UNLESS OTHERWISE NOTED.

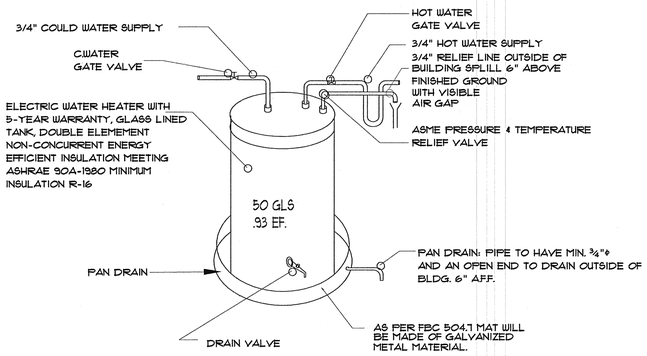
19. ALL WATER SUPPLY PIPING SHALL BE COPPER, TYPE 'M' ABOVE GROUND, TYPE 'L' BELOW GROUND, WITH WROUGHT COPPER SOLDERED JOINT FITTINGS WHERE NECESSARY. THERE SHALL BE NO JOINTS UNDER SLABS ON WATER SUPPLY LINES. NOTE: WHERE PERMITTED BY CODE, SCH. 40, C.P.V.C. TUBING MAY BE SUBSTITUTED FOR COPPER TUBING.

20. PROVIDE BRASS FITTINGS WHERE NECESSARY OR WHERE GOOD PRACTICE DICTATES.

21. PRESSURE AND TEMPERATURE RELIEF LINE SHALL 3/4" O.D. COPPER OR C.P.V.C., (SCHED. 40) AND SHALL DISCHARGE OUTSIDE, 6" ABOVE FINISH GRADE.

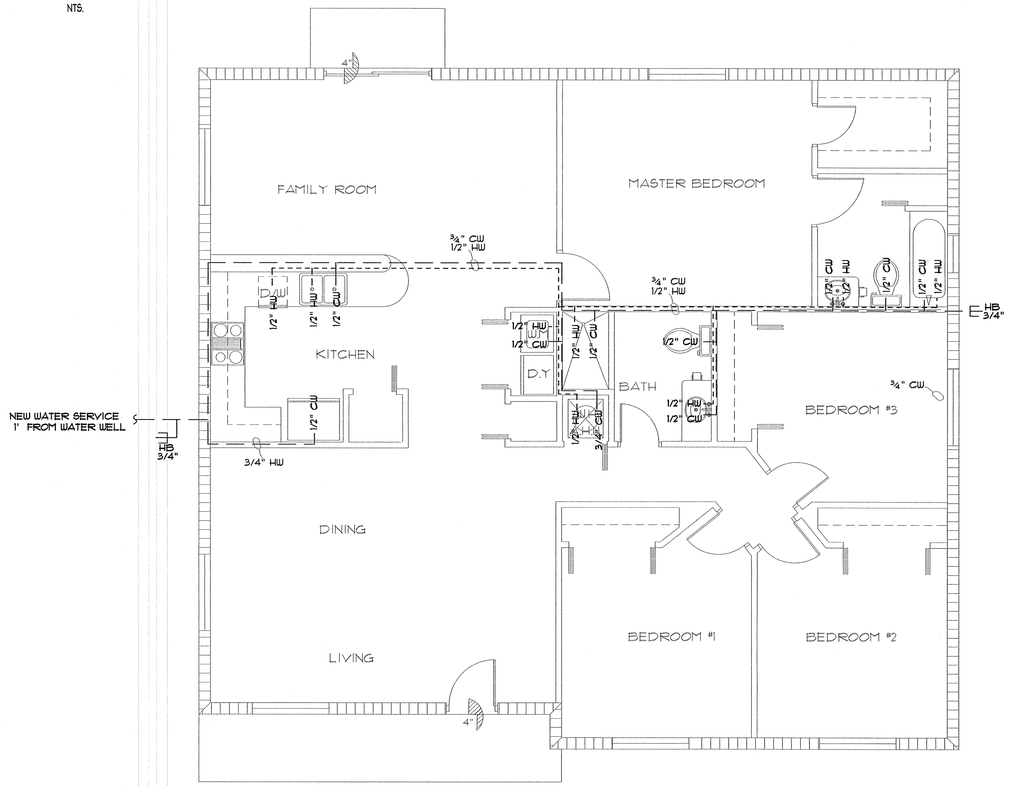
SUB-NOTE A). TO PLUMBING CONTRACTOR:
UNLESS OTHERWISE NOTED ON PLAN, ALL SANITARY LINES CAN BE INSTALLED WITH A SLOPE OF 1/4" PER FOOT. HOWEVER, IT IS THE SOLE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FIELD VERIFY THE INVERT ELEVATIONS OF THE EXISTING SANITARY LINES, PRIOR TO ROUGH-IN, TO INSURE THAT THESE PLANS WILL NOT BE IN CONFLICT WITH THE EXISTING SITE CONDITIONS. IF SO, THE PLUMBING CONTRACTOR SHALL REFER TO NOTE #6 HEREIN & NOTIFY THE ARCHITECT IMMEDIATELY BEFORE BEGINNING ANY WORK.

SUB-NOTE B). TO BUILDING OFFICIAL:
THE PURPOSE OF THIS NOTE IS NOT TO GIVE THE CONTRACTOR AN EITHER / OR OPTION AT WHICH TO INSTALL HIS BUILDING DRAINAGE PIPING, BUT TO MAINTAIN CONSTANT UNIFORM SLOPES OF THAT PIPING. HOWEVER, IN SOME CASES, THE EXISTING SITE CONDITIONS MAY NOT ALLOW FOR ALL U.G. PIPING TO BE AT 1/4" PER FOOT. IN THOSE CASES, THE PLUMBING CONTRACTOR WILL BE FORCED TO USE THE MINIMUM CODE REQUIREMENTS FOR BUILDING DRAINAGE PIPING, IN WHICH CASE, ONLY PIPING ON EACH FIXTURE BRANCH SHALL HAVE UNIFORM SLOPES.



ELECTRIC WATER HEATER DETAIL

NTS.



WATER PLAN

SC 1/4" = 1'

REVISIONS:

REV.1
REV.2
REV.3

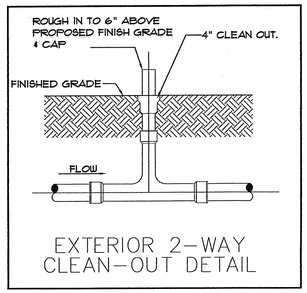
ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 265 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

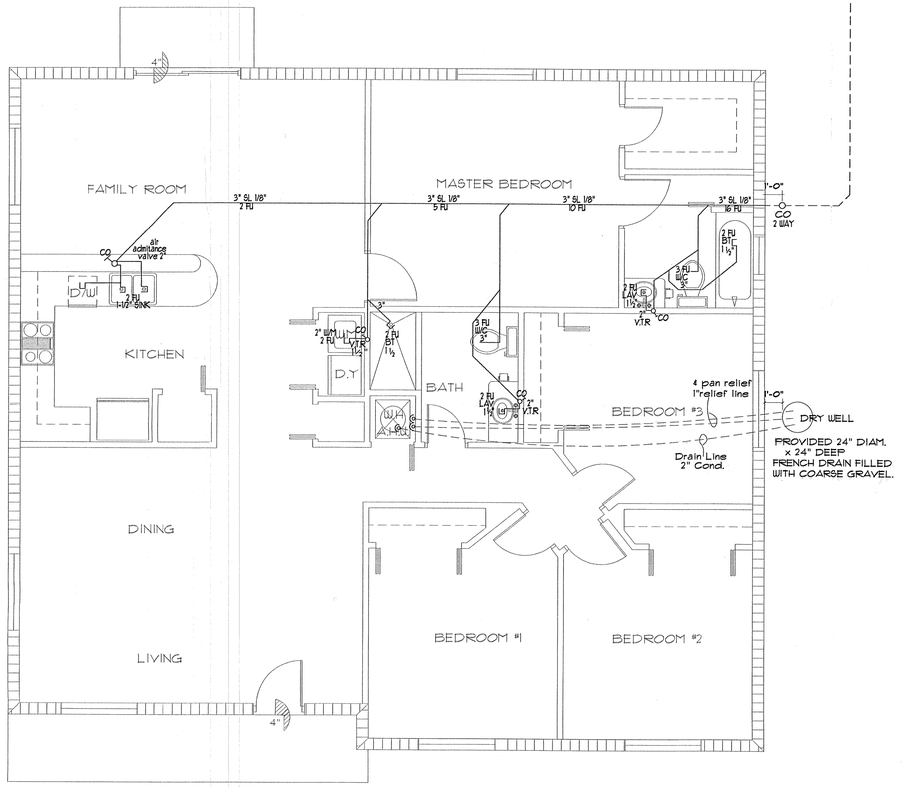
Job No.: WATER PLAN
Drawn By: CG
Scale: 1/4"=1'
Date: 11/11

P-1



EXTERIOR 2-WAY
CLEAN-OUT DETAIL

PLUMBING SCHEDULE LEGEND					
QTY	ITEM	DRAIN	WATER		REMARKS
			C.W	H.W	
2	W.C.	3"	1/2"	1/2"	1.28 GPF. WATER SAVER
2	LAV.	1 1/2"	1/2"	1/2"	WATER SAVER
1	SHR.	2"	1/2"	1/2"	ANTI-SCALD VALVE-WATER SAVER
1	TUB.	2"	1/2"	1/2"	ANTI-SCALD VALVE-WATER SAVER
1	W.M.	2"	1/2"	1/2"	PROVIDE WASTE W/SUPPLIES BOX.



SEWER PLAN

SC 1/4" = 1'

REVISIONS:

REV.1

REV.2

REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO

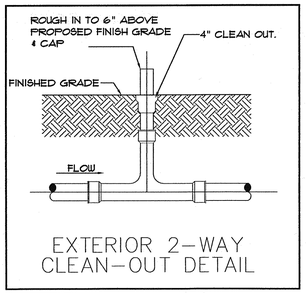
CLIENT:

ADDRESS: 228 SW 117 AVE.
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

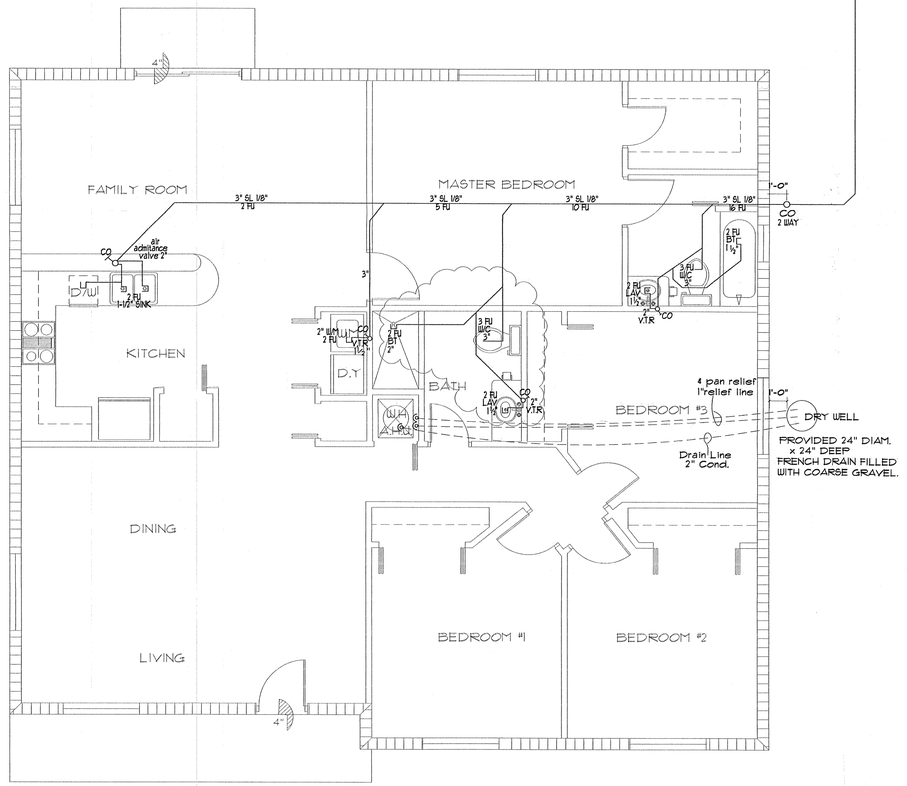
Job No.: SEWER PLAN
Drawn By: CG
Scale: 1/4"=1'
Date: 11/11

P-2



EXTERIOR 2-WAY CLEAN-OUT DETAIL

PLUMBING SCHEDULE LEGEND					
QTY	ITEM	DRAIN	WATER		REMARKS
			C.W	H.W	
2	W.C.	3"	1/2"	1/2"	1.28 GFF. WATER SAVER
2	LAV.	1 1/2"	1/2"	1/2"	WATER SAVER
1	SHR.	2"	1/2"	1/2"	ANTI-SCALD VALVE-WATER SAVER
1	TUB.	2"	1/2"	1/2"	ANTI-SCALD VALVE-WATER SAVER
1	W.M.	2"	1/2"	1/2"	PROVIDE WASTE W/SUPPLIES BOX.



SEWER PLAN

SC 1/4" = 1'

REVISIONS:

REV.1

REV.2

REV.3

ADONAI design & const. inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO

CLIENT:

ADDRESS: 11721 SW 228 ST
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SEWER PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

P-2

MIAMI-DADE COUNTY BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street (Coral Way), • Miami, Florida 33175-2474 • (786) 315-2100

C2012057999

PERMIT APPLICATION

123.01-52 PAGE 1 3/10

IF SUBSIDIARY PROVIDE MASTER PERMIT NUMBER HERE

LOCATION OF IMPROVEMENTS
Job Address ~~998 SW 117 Ave~~
Folio 30-6913-003-1020
Lot ____ Block ____
Subdivision ____ PBpg ____
Metes and bounds ____

CONTRACTOR INFORMATION
Contractor No. By owner
Last four (4) digits of Qualifier No. ____
Contractor Name ____
Qualifier Name ____
Address ____
City ____ State ____ Zip ____

TYPE OF IMPROVEMENTS
[X] New Construction on Vacant Land
[ ] Alteration Interior
[ ] Alteration Exterior
[ ] Relocation of Structure
[ ] Short Term Event
[ ] New Roof
[ ] Recovery (Roof)
[ ] Permit by Affidavit
[ ] Enclosure
[ ] Repair
[ ] Repair Due to Fire
[ ] Demolish
[ ] Shell Only
[ ] Addition Attached
[ ] Addition Detached
[ ] Re-Roof
[ ] Foundation Only

Current use of property Vacant Land
Description of Work New SFR
Sq. Ft. 1694 Units ____ Floors ____
Value of Work $ 90,000 =

PERMIT TYPE
[X] Building* 02
Category ____
[ ] Electrical ____
[ ] Mechanical ____
[ ] Plumbing ____
[ ] LPGX ____

CHANGE TO AN EXISTING PERMIT
[ ] Chg. Contractor
[ ] Re-Issue
[ ] Extension
[ ] Supplement
[ ] Reinspection

OWNER'S NAME
Owner Jorge A. Perez
Address 4800 NW 184 terr.
City Miami State FL Zip 33055
Phone (786) 521-4496
Last four (4) digits of Owner's Social Security No. ____

PERSON TO PICK UP PLANS
Name Jorge Castillo
Address 13203 SW 182 Ln
City Homestead State Fl Zip 33032
Phone (786) 521-4496

ARCHITECT ENGINEER
Name Claudio A. Jofre
Address 2519 Galiano st
City Coral Gables State FL Zip 33134
Phone (305) 441-1365

BONDING
Name ____
Address ____
City ____ State ____ Zip ____
Phone ____

MORTGAGE LENDER
Name ____
Address ____
City ____ State ____ Zip ____
Phone ____

*See reverse side for Building Category

Application is hereby made to obtain a permit to do work and installation as indicated. I certify that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that separate permits are required for **ELECTRICAL, PLUMBING, SIGNS, POOLS, MECHANICAL, WINDOW, SHUTTERS** and **ROOFING WORK** and there may be additional permits required for other governmental entities.

OWNER'S/PERMIT APPLICANT AFFIDAVIT: I certify that all of the foregoing information is accurate and that I have no unpaid civil penalties, administrative hearing cost investigative, enforcement, testing or monitoring costs or unpaid liens which are owed to Miami-Dade County.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR ATTORNEY OR LENDER BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

"The issuance of the permit does not relieve the property owner from obtaining homeowner's association approval (if required) prior to beginning any work and in no way authorizes work that is in violation of any association rule or regulation."

Signature of Owner ~~or Owner's Agent~~ ____
PRINT NAME Jorge A Perez
STATE OF FLORIDA COUNTY OF MIAMI-DADE
Sworn to and subscribed before me this ____
day of January 03, 2012
by ____
Signature of Notary Public ____
Print Name ____
(SEAL)
CLARA ELENA RODRIGUEZ
MY COMMISSION # DD995786
EXPIRES July 05, 2014
(407) 398-0153 FloridaNotaryService.com
Personally known ____
or Produced Identification ID

Signature of Qualifier ____
PRINT NAME ____
STATE OF FLORIDA COUNTY OF MIAMI-DADE
Sworn to and subscribed before me this ____
day of January 03, 2012
by ____
Signature of Notary Public ____
Print Name ____
(SEAL)
CLARA ELENA RODRIGUEZ
MY COMMISSION # DD995786
EXPIRES July 05, 2014
(407) 398-0153 FloridaNotaryService.com
Personally known ____
or Produced Identification ID

MIAMI-DADE COUNTY BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT

Herbert S. Saffir Permitting and Inspection Center

11805 SW 26th Street (Coral Way), • Miami, Florida 33175-2474 • (786) 315-2100

123.01-52 PAGE 1 3/10

PERMIT APPLICATION C 2012 05 7999

0000 755322

IF SUBSIDIARY PROVIDE MASTER PERMIT NUMBER HERE

LOCATION OF IMPROVEMENTS

Job Address 11721 SW 228 ST

Folio 30 6913 003 1020

Lot _____ Block _____

Subdivision _____ PBpg _____

Metes and bounds _____

CONTRACTOR INFORMATION

Contractor No. CGC 1514432

Last four (4) digits of Qualifier No. 8189

Contractor Name ALL COAST BUILDERS

Qualifier Name MANUEL A JARA

Address 6467 SW 16 ST

City MIAMI State FL Zip 33155

TYPE OF IMPROVEMENTS

[✓] New Construction on Vacant Land
[ ] Alteration Interior
[ ] Alteration Exterior
[ ] Relocation of Structure
[ ] Short Term Event
[ ] New Roof
[ ] Recovery (Roof)
[ ] Permit by Affidavit
[ ] Enclosure
[ ] Repair
[ ] Repair Due to Fire
[ ] Demolish
[ ] Shell Only
[ ] Addition Attached
[ ] Addition Detached
[ ] Re-Roof
[ ] Foundation Only

Orig 2-24-12 Rescan 10-23-12

Current use of property SFH.

Description of Work NEW CONSTRUCTION

Sq. Ft. 1694 Units 1 Floors 1

Value of Work $ 80000. —

PERMIT TYPE

[✓] Building* Category 02
[ ] Electrical
[ ] Mechanical
[ ] Plumbing
[ ] LPGX

CHANGE TO AN EXISTING PERMIT

[ ] Chg. Contractor
[ ] Re-Issue
[ ] Extension
[ ] Supplement
[ ] Reinspection

OWNER'S NAME

Owner JORGE A PEREZ

Address 11721 SW 228 ST

City MIAMI State FL Zip _____

Phone _____

Last four (4) digits of Owner's Social Security No. 3021

PERSON TO PICK UP PLANS

Name LETICIA BRENNER

Address 9200 SW 148 AVE

City MIAMI State FL Zip 33196

Phone 786 278-6141

ARCHITECT ENGINEER

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

BONDING

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

MORTGAGE LENDER

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

*See reverse side for Building Category

Application is hereby made to obtain a permit to do work and installation as indicated. I certify that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that separate permits are required for **ELECTRICAL, PLUMBING, SIGNS, POOLS, MECHANICAL, WINDOW, SHUTTERS** and **ROOFING WORK** and there may be additional permits required for other governmental entities.

OWNER'S/PERMIT APPLICANT AFFIDAVIT: I certify that all of the foregoing information is accurate and that I have no unpaid civil penalties, administrative hearing cost investigative, enforcement, testing or monitoring costs or unpaid liens which are owed to Miami-Dade County.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR ATTORNEY OR LENDER BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

"The issuance of the permit does not relieve the property owner from obtaining homeowner's association approval (if required) prior to beginning any work and in no way authorizes work that is in violation of any association rule or regulation."

Signature of Owner or Owner's Agent _____

PRINT NAME JORGE A PEREZ

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 23 day of October, 2012,

by Jorge a. Perez

Signature of Notary Public _____

Print Name _____

(SEAL)

Personally known _____

or Produced Identification _____

LETICIA BRENNER NOTARY PUBLIC STATE OF FLORIDA Comm# EE136014 Expires 10/5/2015

Signature of Qualifier _____

PRINT NAME MANUEL A. JARA

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 23 day of October, 2012,

by Manuel a Jara

Signature of Notary Public _____

Print Name _____

(SEAL)

Personally known _____

or Produced Identification _____

LETICIA BRENNER NOTARY PUBLIC STATE OF FLORIDA Comm# EE136014 Expires 10/5/2015

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

Processed by:

Digital Printing & Reprographics

305-262-4920

YEAR 2012

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
REQUEST TO ROUTE EXPIRED PROCESS NUMBER

Date: 09/05/2012

This is to request that expired process number(s) C2012-057999 and plans be routed to the disciplines/departments indicated below. The process number(s) have all required approvals from the disciplines of plumbing, electrical, mechanical, building and structural and the Fire Rescue Department (if applicable). Additionally, it has not been more than 6 months from the application expiration date.

REQUIRED DEPARTMENTS	PLANS ARE APPROVED PRINT NAME	SIGNATURE / DATE
☒ Environmental Services (DERM)	Ready to be approved	9/7/2012
☐ Department of Health (DOH)		
☐ Zoning (ZNPR)	Ralph Gisbert	9/7/12
☒ Planning (PLAN)		
☒ Public Works and Waste Management (PWKS)	Mike Lugo	9/7/12
☒ Public Works Concurrency (PWCC)	ANGEL R. CARDENAS	9/7/12
☒ Water & Sewer Department (WASD)	Nancy Cobb — 9/12 Connection Charges due	9/7/12

Once all approvals have been obtained, please submit this form and attachments to the Miami-Dade Permitting and Inspection Center's Executive Office, so that the EXPR review can be approved.

Signature of Applicant's Representative — Clara T. Garza (Print Name)

INSTRUCTIONS TO DEPARTMENTAL STAFF

Department of Regulatory and Economic Resources Staff

Before routing plans, please attach a copy of IPLANTRK which should reflect approval from the disciplines of plumbing, electrical, mechanical, building and structural, as well as the Fire Rescue Department and an EXPR date that is less than 6 months from the current date. Do not route plans if these conditions have not been met. After reviewing and attaching all required information, affix this form to the office set of plans.

Plan Review Staff

Please sign in the designated area when you have approved the plans.

MIAMI-DADE COUNTY

Regulatory and Economic Resources
Herbert S. Saffir Permitting and Inspection Center
11805 SW 26th Street
Miami, Florida 33175-2474
786-315-2100
miamidade.gov/development

0000755322

REQUESTED REVIEWS

- [ ] ALL
- [ ] BLDG
- [ ] DERM
- [ ] ELEC
- [ ] ENRG
- [ ] FIRE
- [ ] HCAP
- [ ] LANDSCAPING
- [ ] MECH
- [ ] PLUM
- [x] PWKS
- [x] PWCC
- [ ] ROOF
- [ ] SIGN
- [ ] STRU
- [ ] ZNPR
- [ ] WASD
- [ ] PERMIT BY AFFIDAVIT CHECK
- [ ] SHORT TERM EVENT AFFIDAVIT CHECK
- [ ] OPTIONAL PLAN REVIEW
  - [ ] BLDG [ ] ELEC [ ] MECH [ ] PLUM [ ] STRU

Dear Applicant:

Please complete the following information for notification on the status of your plans.

Applicant's First Name: (PRINT CLEARLY) AYMEE Last Name: (PRINT CLEARLY) García

Cellular Number: ______ Office/Home Number: (305) 441-1365

EMAIL Address: ______

Comments:

______

______

______

______

NOTE: IF AN EMAIL ADDRESS WAS PROVIDED YOU WILL BE NOTIFIED VIA EMAIL AND/OR AUTOMATIC TELEPHONE CALL CONCERNING THE STATUS OF YOUR PLANS

-FOR OFFICE USE ONLY-

TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

Application Date: 9/19/12 Clerk Name: [signature] Arrival Time: 10:13

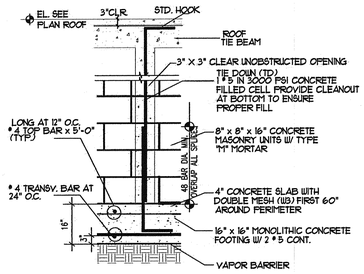
Process No(s): C2012087999 / ______ / ______

- [ ] Walk-Thru
- [ ] Drop-Off
- [ ] Rework
- [ ] Re-Issue
- [ ] Residential
- [ ] Commercial
- [ ] Plan Revision
- [ ] Shop Drawing

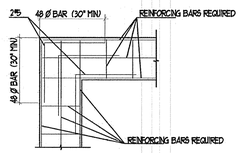
TO BE COMPLETED BY BUILDING AND OCCUPANCY REPRESENTATIVE OR PLANS PROCESSING SPECIALIST:

BLDG	❑A	❑D	❑N	HCAP	❑A	❑D	❑N	ROOF	❑A	❑D	❑N
DERM	❑A	❑D	❑N	LAND	❑A	❑D	❑N	SIGN	❑A	❑D	❑N
ELEC	❑A	❑D	❑N	MECH	❑A	❑D	❑N	STRU	❑A	❑D	❑N
ENRG	❑A	❑D	❑N	PLUM	❑A	❑D	❑N	ZNPR	❑A	❑D	❑N
FIRE	❑A	❑D	❑N	WASD	❑A	❑D	❑N	HRS	❑A	❑D	❑N

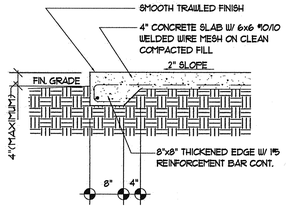
Customer Notified By: ______ Date: ___/___/___ Time: ___:___



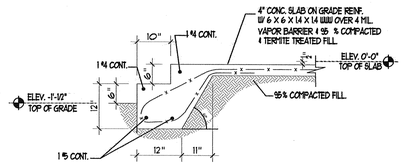
CONCRETE FILLED CELL
OR TIE DOWN (TD) DETAIL



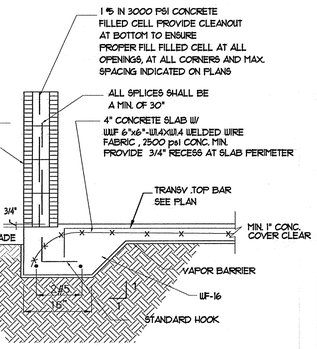
TYPICAL CORNER CONNECTION FOUNDATION AND TIE BEAMS



THICKENED EDGE



SECTION 2
N.T.S.



SECTION 1-1

TIE DOWN (TD) DEFINITION:

A VERTICAL STEEL FROM FOOTING TO TIE BEAM (SIZE CHANGE FOR DESIGN, DEPEND OF THE LOAD AND HEIGHT) IN CONCRETE BLOCK CELL, TIE BOTT. WITH ONE DOWEL STEEL FROM FOOTING. PROVIDE CLEANOUT AT BOTTOM TO ENSURE PROPER FILL. (SEE DETAIL TD)

KEY NOTES

1. 4" REINFORCED CONCRETE SLAB WITH 6X6-1.4X1.4 WELDED WIRE MESH OVER VAPOR BARRIER ON CLEAN WELL COMPACTED FILL FREE OF ORGANIC MATTER. MAXIMUM SIZE OF ANY ROCKS WITHIN 12" BELOW THE FLOOR SLAB SHALL BE A MAXIMUM OF 3" IN DIAMETER.
2. PROVIDE TOP TRANVERSE REINF.ALL AROUND THE PERIMETER, SEE PLAN
3. 1-#5 REINFORCEMENT BAR GRADE 60 IN GROUT FILLED CELL AT ALL CORNERS, NEXT TO ALL OPENINGS, AND 4'-0" o.c. MAXIMUM OR UNLESS NOTED OTHERWISE.

NOTE TERMITE PROTECTION(1816.17 FBC.):

A Certificate of Compliance shall be issued to the building department by the licensed pest control company that contains the following statement:
"The building has received a complete treament for the prevention of subterranean termites. Treament is in accordance with rules and laws established by the Florida Department of Agricuture and Consumer Services."

SOIL STATEMENT :

FOUNDATION SYSTEM CONSISTS OF MONOLITHIC FOOTINGS BEARING ON UNDISTURBED LIMEROCK. ALLOWABLE SOIL BEARING PRESSURE USED IN THE DESIGN OF FOOTINGS IS 2000 PSF.
ENGINEER OF RECORD WILL SUBMIT A SIGNED AND SEAL LETTER TO THE BUILDING OFFICIAL ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED. PRIOR THE INSTALLATION OF ANY FOOTING

NOTES:

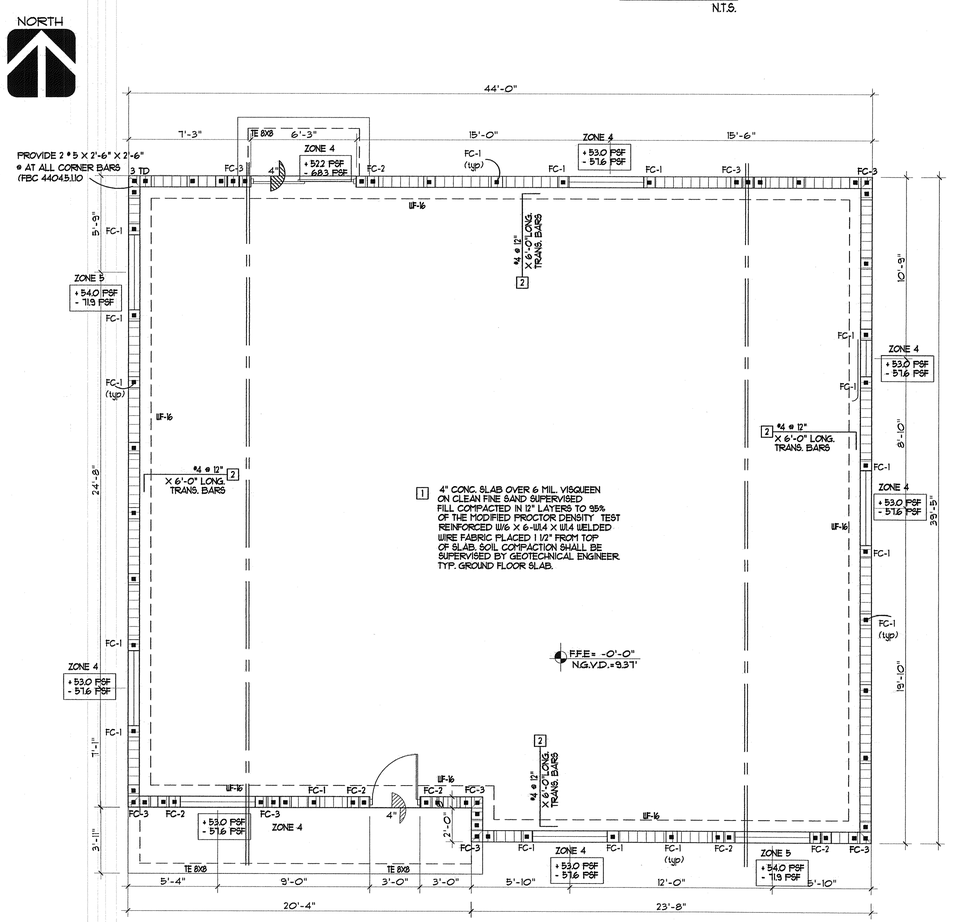
1. STRUCTURAL STEEL:
   - A. STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION FOR STRUCTURAL STEEL BUILDINGS," LATEST EDITION.
   - B. STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A 36, Fy 36 KSI.
   - C. STRUCTURAL STEEL TUBES SHALL CONFORM TO ASTM A500, GRADE B, Fy=46 KSI.
   - E. ANCHOR BOLTS SHALL CONFORM TO EITHER ASTM A 307 OR ASTM A 36.
   - F. FRAMING BOLTS SHALL CONFORM TO ASTM 325, WITH HARDENED WASHERS AND HEX NUTS.
   - G. ALL EXTERIOR STEEL SHAPES, PLATES,BOLTS,NUTS,WASHERS TO BE HOT-DIPPED GALVANIZED.
2. WELDING:
   - A. WELDING SHALL BE DONE WITH E-70 ELECTRODES.
   - B. WELDERS SHALL BE AWS-CERTIFIED.

CONCRETE COLUMN SCHEDULE

MARK	SIZE DESCRIPTION	REINFORCEMENT		REMARKS
		VERTICAL	CLOSED TIES	
FC-1	# 5 @ 48" IN GROUT-FILLED CELLS, U.O.N. CBS WALL			
FC-2	2 # 5 IN GROUT-FILLED CELLS, EA SIDE OF CMU WALL OPNGS			
FC-3	3 # 5 IN GROUT-FILLED CELLS, EA SIDE OF THE CORNER			

FOOTING SCHEDULE

MARK	SIZE L x W x THICKNESS	REINFORCEMENT				ELEVATION BOTTOM	REMARKS
		BOTTOM		TOP			
		SHORT BAR	LONG BAR	SHORT BAR	LONG BAR		
UF-16	CONT. X 16" X 16"	# 4 @24"	2 # 5	——	——	-1'-4"	PROVIDE 2 # 5 X 2'-6" X 2'-6" @ AT ALL CORNER BARS AND INTERSECTING WALL FOOTING
TIE	CONT. 8" X 8" MIN.	——	1 #5				



FOUNDATION PLAN
SC 1/4" = 1'

REVISIONS:

REV.1
REV.2
REV.3

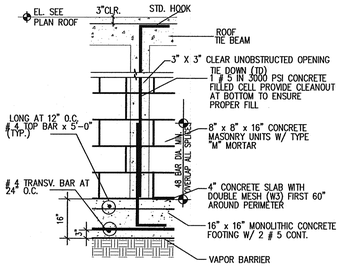
ADONAI design & const, inc.
CLAUDIO A. JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 S.W. 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE, MIAMI,FLORIDA

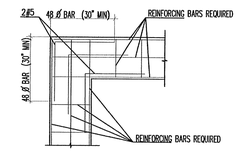
OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN CORAL GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: FOUND. PLAN
Drawn By: CG
Scale: 1/4"=1'
Date: 11/11

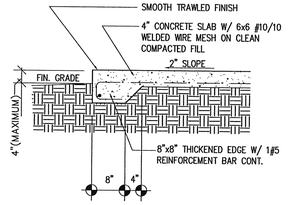
S-1



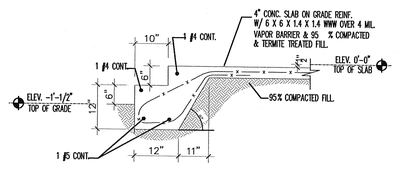
CONCRETE FILLED CELL
OR TIE DOWN (TD) DETAIL



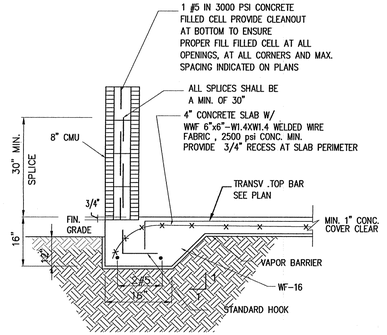
TYPICAL CORNER CONNECTION FOUNDATION AND TIE BEAMS



THICKENED EDGE



SECTION 2
N.T.S.



SECTION 1–1

TIE DOWN (TD) DEFINITION:

A VERTICAL STEEL FROM FOOTING TO TIE BEAM (SIZE CHANGE FOR DESIGN, DEPEND OF THE LOAD AND HEIGHT) IN CONCRETE BLOCK CELL, TIE BOTT. WITH ONE DOWEL STEEL FROM FOOTING. PROVIDE CLEANOUT AT BOTTOM TO ENSURE PROPER FILL. (SEE DETAIL TD)

KEY NOTES

1. 4" REINFORCED CONCRETE SLAB WITH 6X6-1.4x1.4 WELDED WIRE MESH OVER VAPOR BARRIER ON CLEAN WELL COMPACTED FILL FREE OF ORGANIC MATTER. MAXIMUM SIZE OF ANY ROCKS WITHIN 12" BELOW THE FLOOR SLAB SHALL BE A MAXIMUM OF 3" IN DIAMETER.
2. PROVIDE TOP TRANVERSE REINF.ALL AROUND THE PERIMETER, SEE PLAN
3. 1–#5 REINFORCEMENT BAR GRADE 60 IN GROUT FILLED CELL AT ALL CORNERS, NEXT TO ALL OPENINGS, AND 4'–0" o.c. MAXIMUM OR UNLESS NOTED OTHERWISE.

NOTE TERMITE PROTECTION(1816.17 FBC.):

A Certificate of Compliance shall be issued to the building department by the licensed pets control company that contains the fo–llowing statement:
"The building has received a complete treament for the prevention of subterranean termites. Treament is in accordance with rules and laws estabilished by the Florida Department of Agriculture and Consumer Services."

SOIL STATEMENT :

FOUNDATION SYSTEM CONSISTS OF MONOLITHIC FOOTINGS BEARING ON UNDISTURBED LIMEROCK. ALLOWABLE SOIL BEARING PRESSURE USED IN THE DESIGN OF FOOTINGS IS 2000 PSF.
ENGINEER OF RECORD WILL SUBMIT A SIGNED AND SEAL LETTER TO THE BUILDING OFFICIAL ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED. PRIOR THE INSTALLATION OF ANY FOOTING

NOTES:

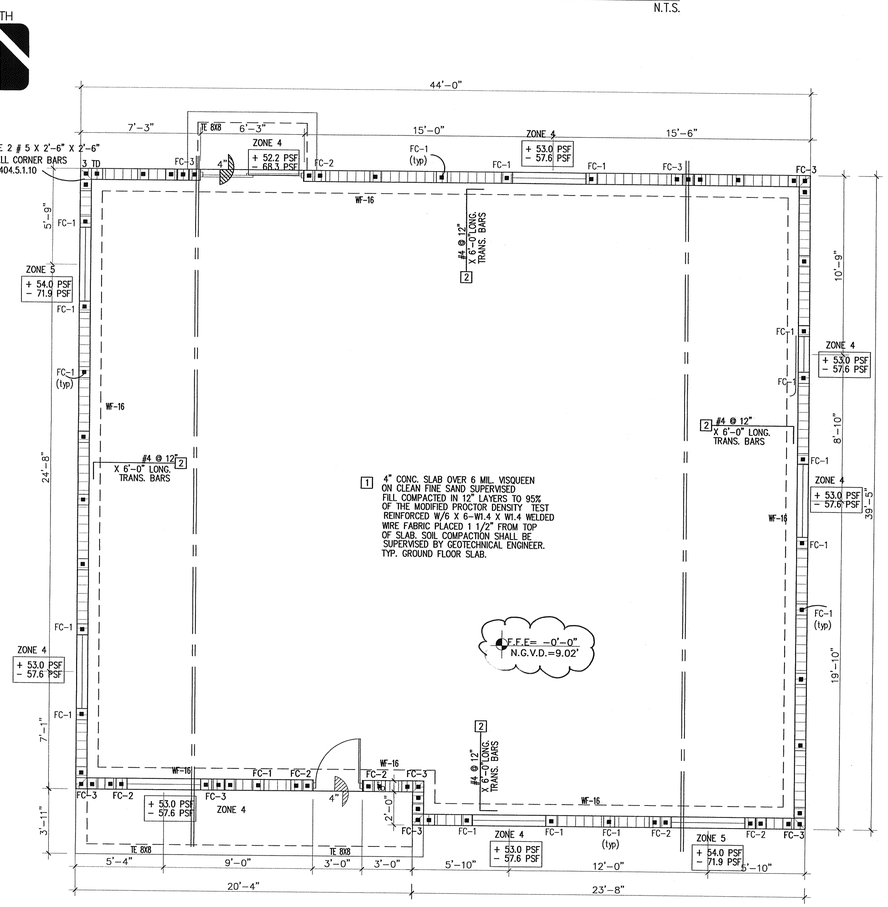
1. STRUCTURAL STEEL:
   - A. STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATIONS FOR DESIGN, FA–BRICATION AND ERECTION FOR STRUCTURAL STEEL BUILDINGS," LATEST EDITION.
   - B. STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A 36, Fy 36 KSI.
   - C. STRUCTURAL STEEL TUBES SHALL CONFORM TO ASTM A500, GRADE B, Fy=46 KSI.
   - E. ANCHOR BOLTS SHALL CONFORM TO EITHER ASTM A 307 OR ASTM A 36.
   - F. FRAMING BOLTS SHALL CONFORM TO ASTM 325, WITH HARDENED WASHERS AND HEX NUTS.
   - G. ALL EXTERIOR STEEL SHAPES, PLATES,BOLTS,NUTS,WASHERS TO BE HOT–DIPPED GALVANIZED.
2. WELDING:
   - A. WELDING SHALL BE DONE WITH E–70 ELECTRODES.
   - B. WELDERS SHALL BE AWS–CERTIFIED.

CONCRETE COLUMN SCHEDULE

MARK	SIZE DESCRIPTION	REINFORCEMENT		REMARKS
		VERTICAL	CLOSED TIES	
FC–1	# 5 @ 48" IN GROUT–FILLED CELLS, U.O.N. CBS WALL			
FC–2	2# 5 IN GROUT–FILLED CELLS, EA SIDE OF CMU WALL OPNGS			
FC–3	3# 5 IN GROUT–FILLED CELLS, EA SIDE OF THE CORNER			

FOOTING SCHEDULE

MARK	SIZE L x W x THICKNESS	REINFORCEMENT BOTTOM SHORT BAR	REINFORCEMENT BOTTOM LONG BAR	REINFORCEMENT TOP SHORT BAR	REINFORCEMENT TOP LONG BAR	ELEVATION BOTTOM	REMARKS
WF–16	CONT. X 16" X 16"	#4 @24"	2 # 5	——	——	–1'–4"	PROVIDE 2 # 5 X 2'–6" X 2'–6" @ AT ALL CORNER BARS AND INTERSECTING WALL FOOTING
	CONT. X 8" MIN.		3 #5				



FOUNDATION PLAN
SC 1/4" = 1'

REVISIONS:
REV.1
REV.2
REV.3

ADONAI design & const. inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO

CLIENT:

ADDRESS: 11721 SW 228 ST
MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN
MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: FOUND. PLAN
Drawn By: CG
Scale: 1/8"=1'
Date : 11/11

S–1

PREFAB WOOD TRUSSES & GIRDERS CONNECTORS SCHEDULE

CONNECTOR BY "Nu-Vue" MARK	APPROVALS NOA #	PRODUCT CODE.	GAUGE		DIMENSIONS			FASTENERS			DOUG-FIR-LARCH/ SO. PINE ALLOWABLE LOADS, UPLIFT (133%)	
			STRAP	PLATE	W	H	CL	STRAP NAILS	STRAP BOLTS	PLATE/ SEAT	NAILS 10d	BOLTS
(A) (Nu-Vue)	08-0325.02	NVSTA 16 HEAVY DUTY	14	18		16		(6)10d X1-1/2"	(6)10d X1-1/2"		1141	
(B) (Nu-Vue) DOUBLE STRAP	08-0325.02	NVTH-20 HEAVY DUTY	14	18		18		(7)10d X1-1/2" DOUBLE STRAP	(7)10d X1-1/2"		2550	DOUBLE STRAP
(C)	SEE TYPICAL PREF. WOOD GIRDER TRUSS TO TIE BEAM CONECTION DETAIL "C".										5080	

NOTE: FOR TIE BEAMS THE CONCRETE SHALL BE 3000 PSI

LEGEND

MARK	DESCRIPTION
(1)	ANGLE L3 1/2" X 3 1/2" X 1/4" W/ EXTENDED LEG (Fy = 36 KSI)
(2)	STEEL PLATE 9 3/4" X 4" X 1/4" (Fy = 36 KSI)
(3)	STEEL PLATE 11 3/4" X 4" X 3/8" (Fy = 36 KSI)
(4)	ONE (1), 5/8" DIAM. THRU BOLT FOR TWO PLY GIRDER TRUSS ONE (1), 3/4" DIAM. THRU BOLT FOR THREE PLY GIRDER TRUSS
(5)	3/4" DIAM., HILTI KWIK BOLT 3 (CARBON STEEL), 2 REQ'D
(6)	PREFABRICATED TWO OR THREE PLY GIRDER TRUSS, FOR PRECISE PROFILE SEE ROOF SECTIONS.
(7)	MIN. 5/8" EXTERIOR GRADE PLYWOOD. SEE PLAN FOR NAILING REQ.
(8)	MIN. 8" X 12" CONCRETE TIE BEAM (f'c = 3,000 PSI MIN.)
(9)	CONCRETE MASONRY BLOCK WALL

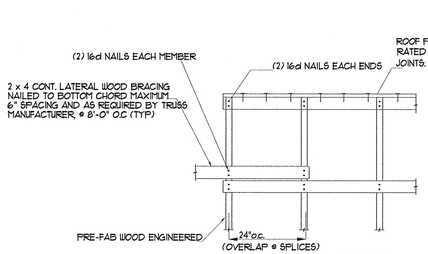
ROOF TRUSSES SUPERIMPOSED LOADS

DEAD, TOP CHORD		11 P.S.F.
DEAD, BOTTOM CHORD		10 P.S.F.
LIVE		30 P.S.F.
BASIC WIND PRESSURE, q_z		39.4 P.S.F.
NET WIND UPLIFT "a" STRIP = 3'-0"	ELEMENTS	
	BLOCKING	TRUSSES
OVERHANGS	-78.65 P.S.F.	-78.65 P.S.F.
ZONE 1		-45.40 P.S.F.
ZONE 2	-78.65 P.S.F.	-78.65 P.S.F.

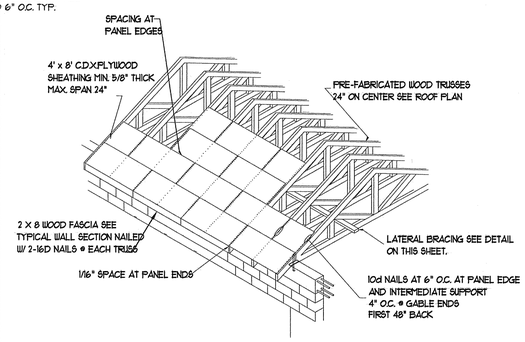
EXPOSURE "C", I=1.00, V = 146 MPH, h = 12'-0", Kd=0.85, Kz=0.85, Category II

SOFFIT VENT CALCULATIONS

NOTE : SOFFIT VENT CALCULATIONS ARE AS FOLLOWS PER 2007 F.B.C.)
(MIN. 1/150 OF CEILING AREA)
2,505 SQ. FT. = 16.7 SQ. FT. APPROX. 17 SQ.FT.
150
SIZE OF VENT= 6X24 / 144 = 1 SQ. FT./VENT
17 SQ. FT. / 1 = 17 VENTS OF 6"X 24"
OR PROVIDE 6" CONTINUOUS VENT



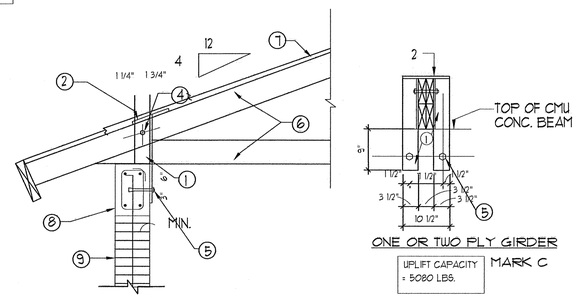
BLOCKING DETAIL



PLYWOOD NAILING DETAIL

NOTES:

1. TRUSS MANUFACTURER TO PROVIDE DEAD, LIVE, AND WIND UPLIFT REACTIONS FOR ALL TRUSSES AND GIRDERS.
2. AS THE ENGINEER OF RECORD OF THIS DESIGN, I HEREBY STATE THAT THE NET WIND UPLIFT REACTIONS SHOWN IN THIS PLAN SHALL SUPERSEDE THOSE SHOWN IN THE TRUSS MANUFACTURER SHOP DRAWINGS AND ENGINEERING CALCULATIONS. THE NET WIND UPLIFT REACTIONS WERE CALCULATED BY MYSELF, CONSIDERING LOCATION, TRIBUTARY AREAS, HEIGHT, AND ROOF SLOPE IN ACCORDANCE WITH THE ASCE 7-02 CODE FOR A 146 MPH WIND VELOCITY. THE CONNECTORS NOTED IN PLAN EXCEED THE NET WIND UPLIFT REACTIONS SHOWN IN PLAN.
3. BRACING FOR THE ROOF SYSTEM IS DESIGNED FOR BOTH POSITIVE AND NEGATIVE PRESSURE AND MEETS THE REQUIREMENTS OF CHAPTER 23 F.B.C. 2007
4. ALL STRUCTURAL WOOD PRODUCTS IN THESE PLANS SHALL CONFORM TO THE NDS LATEST EDITION AND THE FBC. ALL WOOD SHALL BE SOUTHERN PINE, GRADE 1 AT A MIN. WITH A MINIMUM Fb= 1200PSI.
5. IF DIFFERENT CONNECTORS ARE USED OTHER THAN THE ONE SPECIFIED BY THESE PLANS, CONTRACTOR SHALL PROVIDE SPECIFICATIONS TO THIS ENGINEER PRIOR TO THE USE OF THESE CONNECTIONS, DEPICTING ALL ALLOWABLE LOADS, AND DADE COUNTY APPROVAL NOTICES FOR SUCH CONNECTORS.
6. THE TRUSSES SHALL BE LATERALY BRACED WITH CONTINUOUS 1 X 4 MEMBERS NAILED WITH 8d COMMON NAILS TO THE UPPER SIDE OF THE BOTTOM CHORD AT PANEL POINTS BUT NOT TO EXCEED 10' APART. THIS LATERAL BRACING SHALL BE RESTRAINED AT EACH END AND 20' INTERVALS.

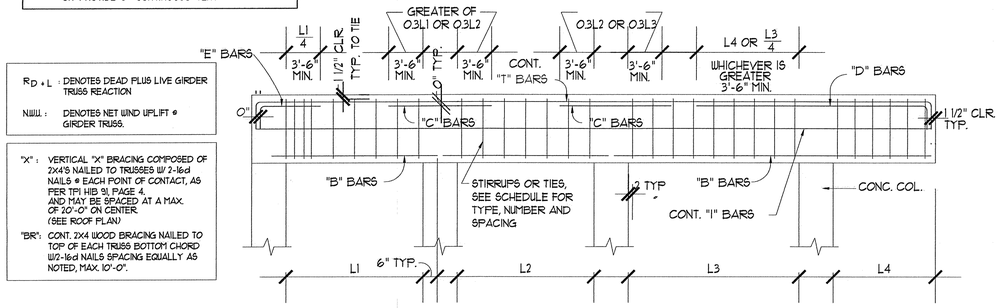


ONE OR TWO PLY GIRDER

UPLIFT CAPACITY = 5080 LBS.

MARK C

(C) TYPICAL PREFAB. WOOD GIRDER TRUSS TO TIE BEAM CONNECTION DETAIL



TYPICAL BEAM BAR PLACING DIAGRAM

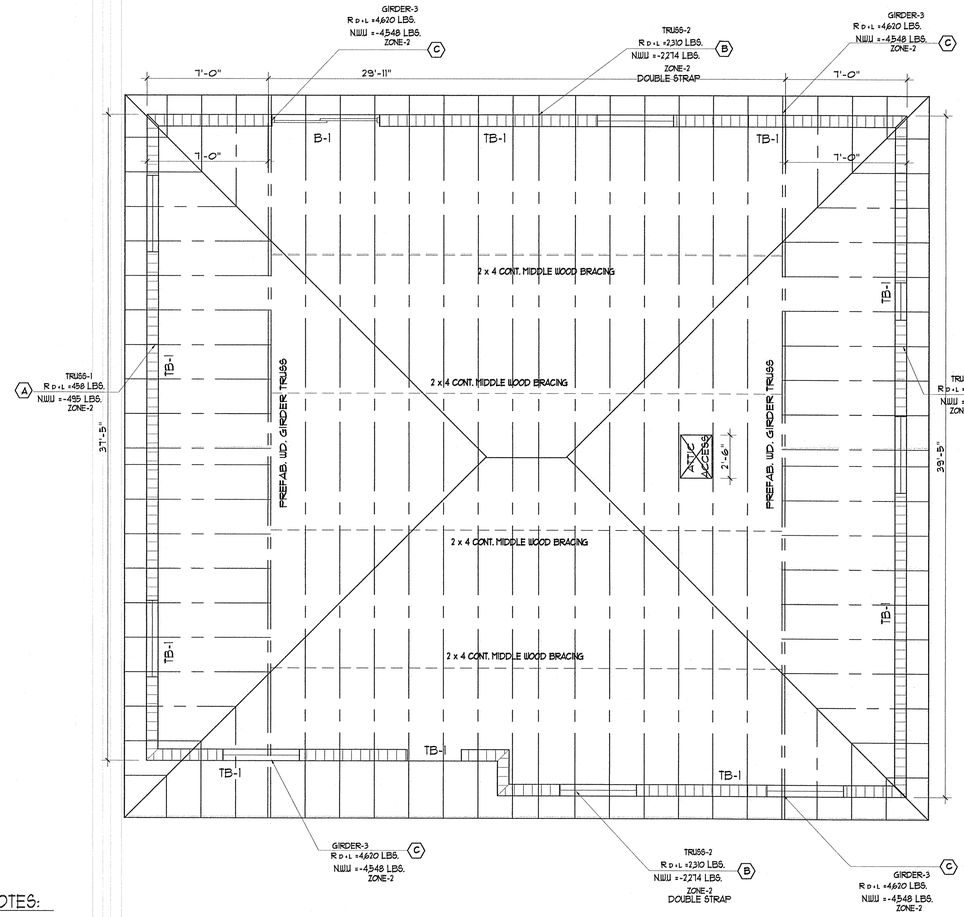
SC : 1"=1'

BEAM SCHEDULE (CONCRETE)

MARK	TOP ELEV.	SIZE W x H	REINFORCING "B"	"T"	"C"	"E"	"I"	TIES OR STIRRUP NO.	TYPE	SPACING EA END	REMARKS	f'c (CONC.)
TB-1	+8'-2"	8" X 12"	2 # 5 CONT.	2 # 5 CONT.				# 3		4 @12" AT CORNERS, #3 @4" AT OPENINGS, @ 48" IN BALANCE	PROVIDE 2 #5 X 2'-6" X 2'-6" CORNERS BARS (BENT 30" IN EACH DIRECTION). DROP OVER OPENING ADD #5 @12" E.A FACE/SEE DETAIL IN S-1)	3000 PSI
B-1	+8'-2"	8" X 12"	2 # 6	2 # 6		2 # 5		# 3		@ 3" FIRST 3 TIES @ 4" IN BALANCE		3000 PSI

NOTES:

PROVIDE 4 #3 TIES @ 12" O.C. AT CORNERS AND AT EACH END, BALANCE @ 48" O.C.
CONC. BEAM DEPTH OVER DOOR/WINDOW OPENINGS MAY VARY AS PER MFR. DOOR/WINDOW HGT. (FRENCH OR SLIDING DOORS AND WINDOWS UP TO 3" DEEPER)
SPLICING 18" AT STRAIGHT RUNS AND 30" AT CORNERS
ALL TIE BEAMS SHALL HAVE #3 TIES @ 6" O.C. OVER OPENINGS



ROOF PLAN

SC 1/4" = 1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const., inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 265 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: ROOF PLAN
Drawn By: CG
Scale: 1/4"=1'
Date : 11/11

S-2

PREFAB WOOD TRUSSES & GIRDERS CONNECTORS SCHEDULE

CONNECTOR BY "Nu-Vue" MARK	APPROVALS NOA #	PRODUCT CODE.	GAUGE		DIMENSIONS			FASTENERS			DOUG-FIR LARCH/ SO. PINE LOADS,	ALLOWABLE UPLIFT (133%)
			STRAP	PLATE	W	H	CL	STRAP NAILS	STRAP BOLTS	PLATE/ SEAT	NAILS 10d	BOLTS
(A) (Nu-Vue)	08-0325.02	NVSTA 16 HEAVY DUTY	14	18		16		(6)10d X1-1/2"		(6)10d X1-1/2"	1141	
(B) (Nu-Vue) DOUBLE STRAP	08-0325.02	NVTH-20 HEAVY DUTY	14	18		18		(7)10d X1-1/2" DOUBLE STRAP		(7)10d X1-1/2"	255	DOUBLE STRAP
(C)	SEE TYPICAL PREF. WOOD GIRDER TRUSS TO TIE BEAM CONECTION DETAIL "C".										508	

NOTE: FOR TIE BEAMS THE CONCRETE SHALL BE 3000 PSI

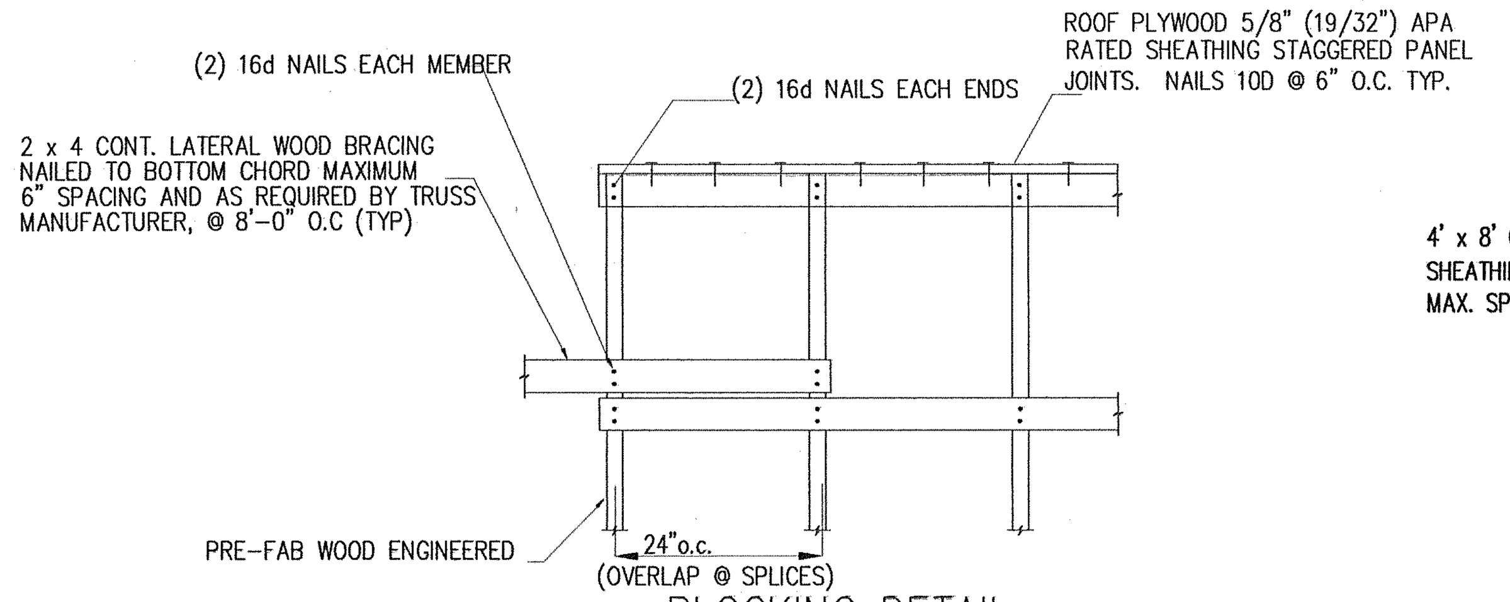
LEGEND

MARK	DESCRIPTION
1	ANGLE L3 1/2" X 3 1/2" X 1/4" W/ EXTENDED LEG (Fy = 36 KSI)
2	STEEL PLATE 9 3/4" X 4" X 1/4" (Fy = 36 KSI)
3	STEEL PLATE 11 3/4" X 4" X 3/8" (Fy = 36 KSI)
4	ONE (1), 5/8" DIAM. THRU BOLT FOR TWO PLY GIRDER TRUSS ONE (1), 3/4" DIAM. THRU BOLT FOR THREE PLY GIRDER TRUSS
5	3/4" DIAM., HILTI KWIK BOLT 3 (CARBON STEEL), 2 REQ'D
6	PREFABRICATED TWO OR THREE PLY GIRDER TRUSS, FOR PRECISE PROFILE SEE ROOF SECTIONS.
7	MIN. 5/8" EXTERIOR GRADE PLYWOOD. SEE PLAN FOR NAILING REQ.
8	MIN. 8" X 12" CONCRETE TIE BEAM (f'c = 3,000 PSI MIN.)
9	CONCRETE MASONRY BLOCK WALL

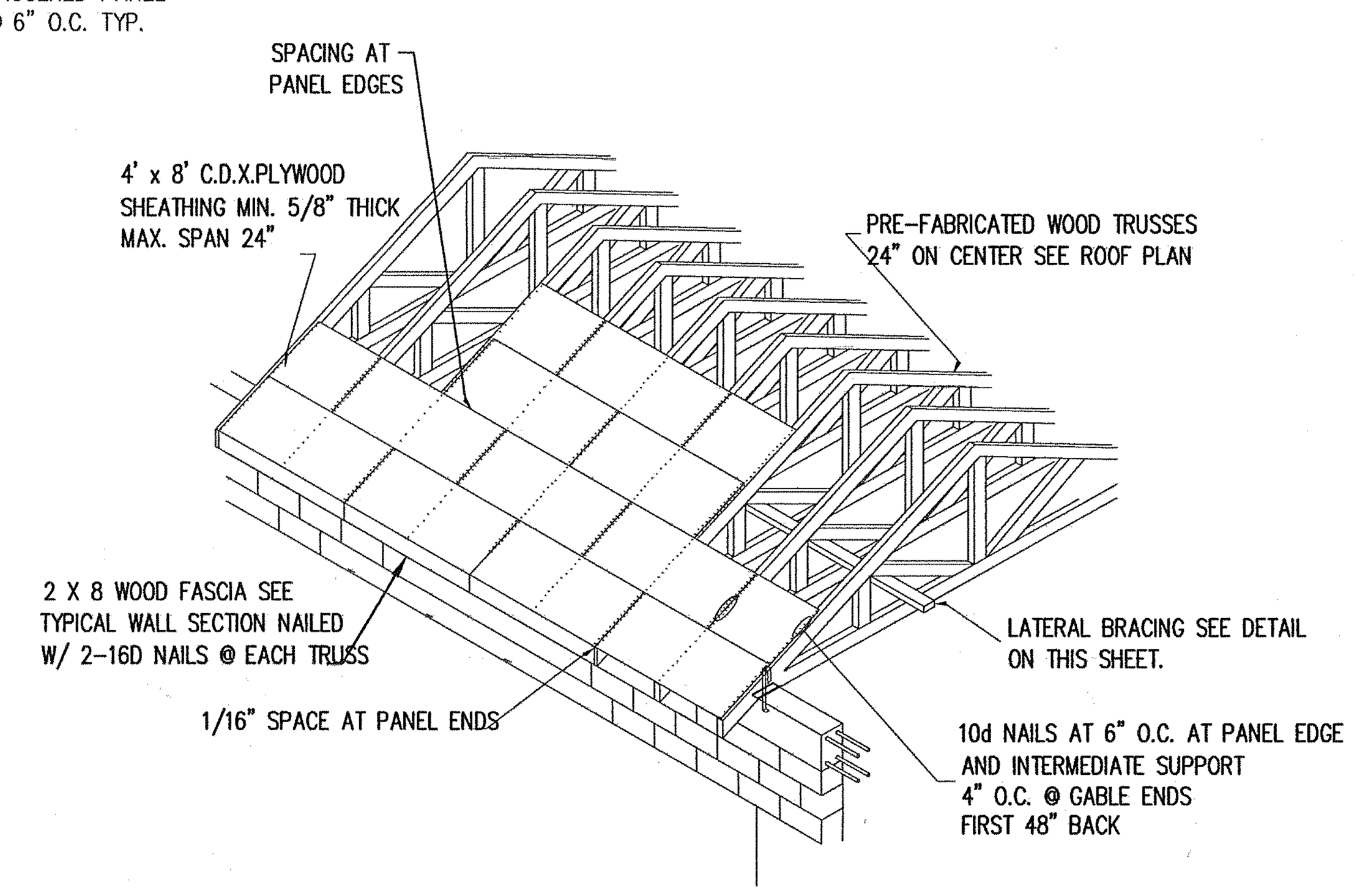
ROOF TRUSSES SUPERIMPOSED LOADS

DEAD, TOP CHORD		17 P.S.F.
DEAD, BOTTOM CHORD		10 P.S.F.
LIVE		30 P.S.F.
BASIC WIND PRESSURE, q_z		39.4 P.S.F.
NET WIND UPLIFT "a" STRIP = 3'-0"	ELEMENTS	
	BLOCKING	TRUSSES
OVERHANGS	-78.65 P.S.F	-78.65 P.S.F
ZONE 1		-45.40 P.S.F.
ZONE 2	-78.65 P.S.F.	-78.65 P.S.F.

EXPOSURE "C", I=1.00, V = 146 MPH, h = 12'-0", Kd=0.85, Kz=0.85, Category II



BLOCKING DETAIL



PLYWOOD NAILING DETAIL

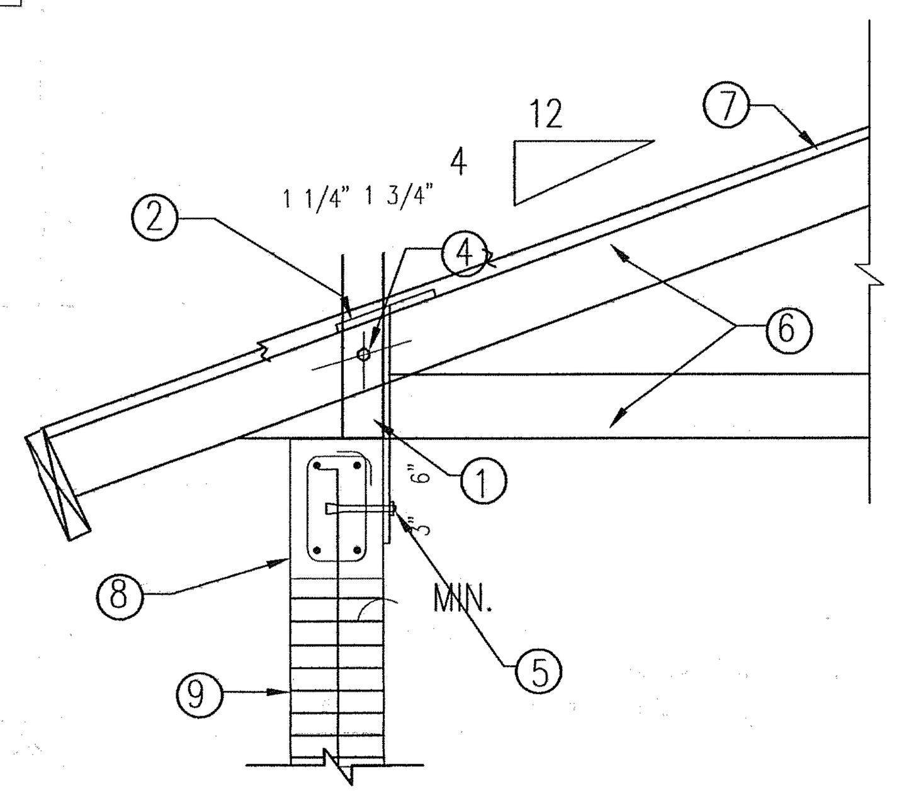
NOTES:

HORIZONTAL BRACING OF BOTTOM CHORD: PROVIDE ONE ROW OF HORIZ. BRACING AS SHOWN EVERY 8'-0" OF SPAN OF TRUSS BRACING MEMBERS TO BE CONTINUOS 2"x 4" WOOD MEMBER W/(2) 16d NAILS AT EACH TRUSS. AT SPLICE LOCATIONS, LAP BRACING MEMBER OVER AT LEAST TWO TRUSSES.

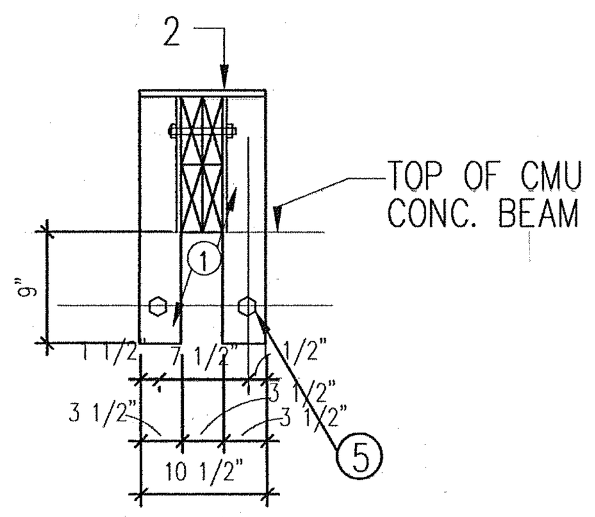
2DIAGONAL BRACING:
A:PROVIDE CROSS BRACING, AS SHOWN, AT EACH END ROW OF PERMANENT HORIZONAL BRACING, AT EACH END OF THE BUILDING AND AT NOT MORE THAN 20'-0" SPACING IN DIRECTION OF HORIZONTAL BRACING
B: BRACING MEMBERS TO BE 2x4 WOOD MEMBER.

NOTES:

1. TRUSS MANUFACTURER TO PROVIDE DEAD, LIVE, AND WIND UPLIFT REACTIONS FOR ALL TRUSSES AND GIRDERS.
2. AS THE ENGINEER OF RECORD OF THIS DESIGN, I HEREBY STATE THAT THE NET WIND UPLIFT REACTIONS SHOWN IN THIS PLAN SHALL SUPERSEDE THOSE SHOWN IN THE TRUSS MANUFACTURER SHOP DRAWINGS AND ENGINEERING CALCULATIONS. THE NET WIND UPLIFT REACTIONS WERE CALCULATED BY MYSELF, CONSIDERING LOCATION, TRIBUTARY AREAS, HEIGHT, AND ROOF SLOPE IN ACCORDANCE WITH THE ASCE 7-02 CODE FOR A 146 MPH WIND VELOCITY. THE CONNECTORS NOTED IN PLAN EXCEED THE NET WIND UPLIFT REACTIONS SHOWN IN PLAN.
3. BRACING FOR THE ROOF SYSTEM IS DESIGNED FOR BOTH POSITIVE AND NEGATIVE PRESSURE AND MEETS THE REQUIREMENTS OF CHAPTER 23 F.B.C. 2007
4. ALL STRUCTURAL WOOD PRODUCTS IN THESE PLANS SHALL CONFORM TO THE NDS LATEST EDITION AND THE FBC. ALL WOOD SHALL BE SOUTHERN PINE, GRADE 1 AT A MIN. WITH A MINIMUM Fb= 1200PSI.
5. IF DIFFERENT CONNECTORS ARE USED OTHER THAN THE ONE SPECIFIED BY THESE PLANS, CONTRACTOR SHALL PROVIDE SPECIFICATIONS TO THIS ENGINEER PRIOR TO THE USE OF THESE CONNECTIONS, DEPICTING ALL ALLOWABLE LOADS, AND DADE COUNTY APPROVAL NOTICES FOR SUCH CONNECTORS.
6. THE TRUSSES SHALL BE LATERALY BRACED WITH CONTINUOUS 1 X 4 MEMBERS NAILED WITH 8d COMMOM NAILS TO THE UPPER SIDE OF THE BOTTOM CHORD AT PANEL POINTS BUT NOT TO EXCEED 10' APART. THIS LATERAL BRACING SHALL BE RESTRAINED AT EACH END AND 20' INTERVALS.



(C) TYPICAL PREFAB. WOOD GIRDER TRUSS TO TIE BEAM CONNECTION DETAIL



ONE OR TWO PLY GIRDER

UPLIFT CAPACITY = 5080 LBS. | MARK C

SOFFIT VENT CALCULATIONS

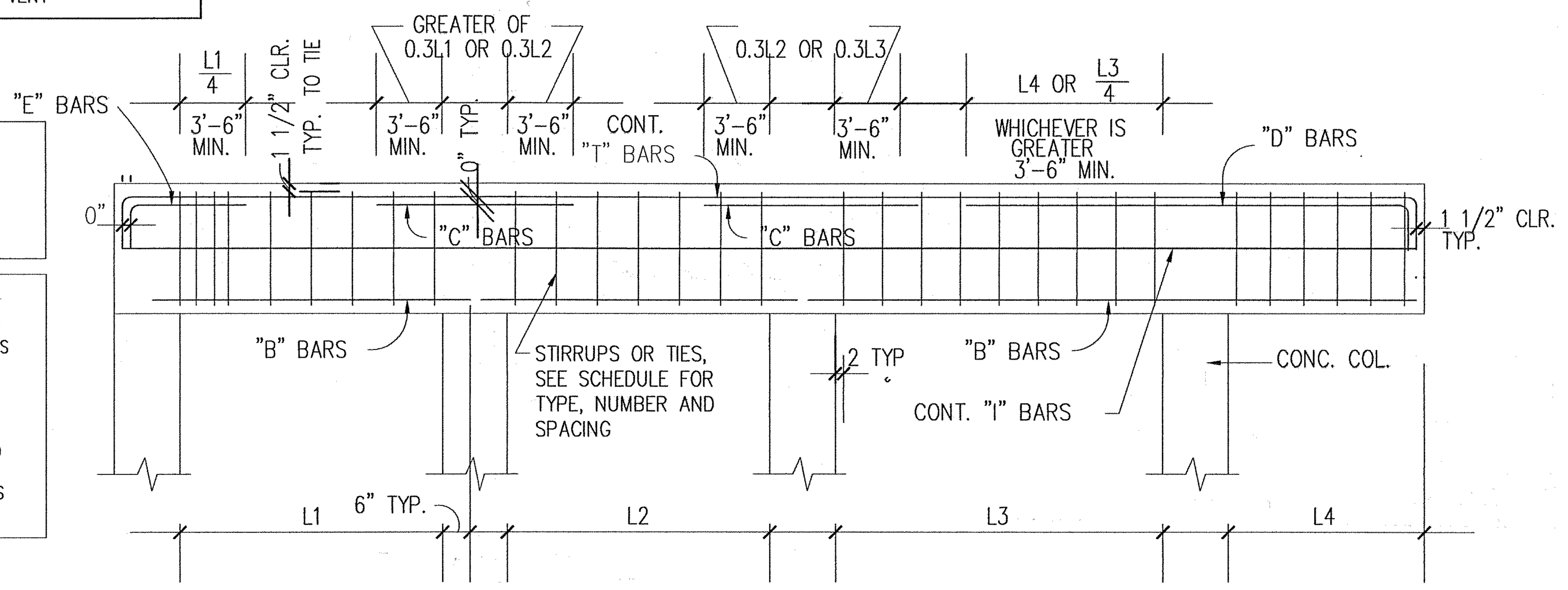
NOTE : SOFFIT VENT CALCULATIONS ARE AS FOLLOWS PER 2007 F.B.C.)
(MIN. 1/150 OF CEILING AREA)
2,505 SQ. FT. / 150 = 16.7 SQ. FT. APPROX. 17 SQ.FT.
SIZE OF VENT= 6X24 / 144 = 1 SQ. FT./VENT
17 SQ. FT. / 1 = 17 VENTS OF 6"X 24"
OR PROVIDE 6" CONTINUOUS VENT

R_{D+L} : DENOTES DEAD PLUS LIVE GIRDER TRUSS REACTION

N.W.U. : DENOTES NET WIND UPLIFT @ GIRDER TRUSS.

"X" : VERTICAL "X" BRACING COMPOSED OF 2X4'S NAILED TO TRUSSES W/ 2-16d NAILS @ EACH POINT OF CONTACT, AS PER TPI HIB 91, PAGE 4. AND MAY BE SPACED AT A MAX. OF 20'-0" ON CENTER. (SEE ROOF PLAN)

"BR": CONT. 2X4 WOOD BRACING NAILED TO TOP OF EACH TRUSS BOTTOM CHORD W/2-16d NAILS SPACING EQUALLY AS NOTED, MAX. 10'-0".



TYPICAL BEAM BAR PLACING DIAGRAM

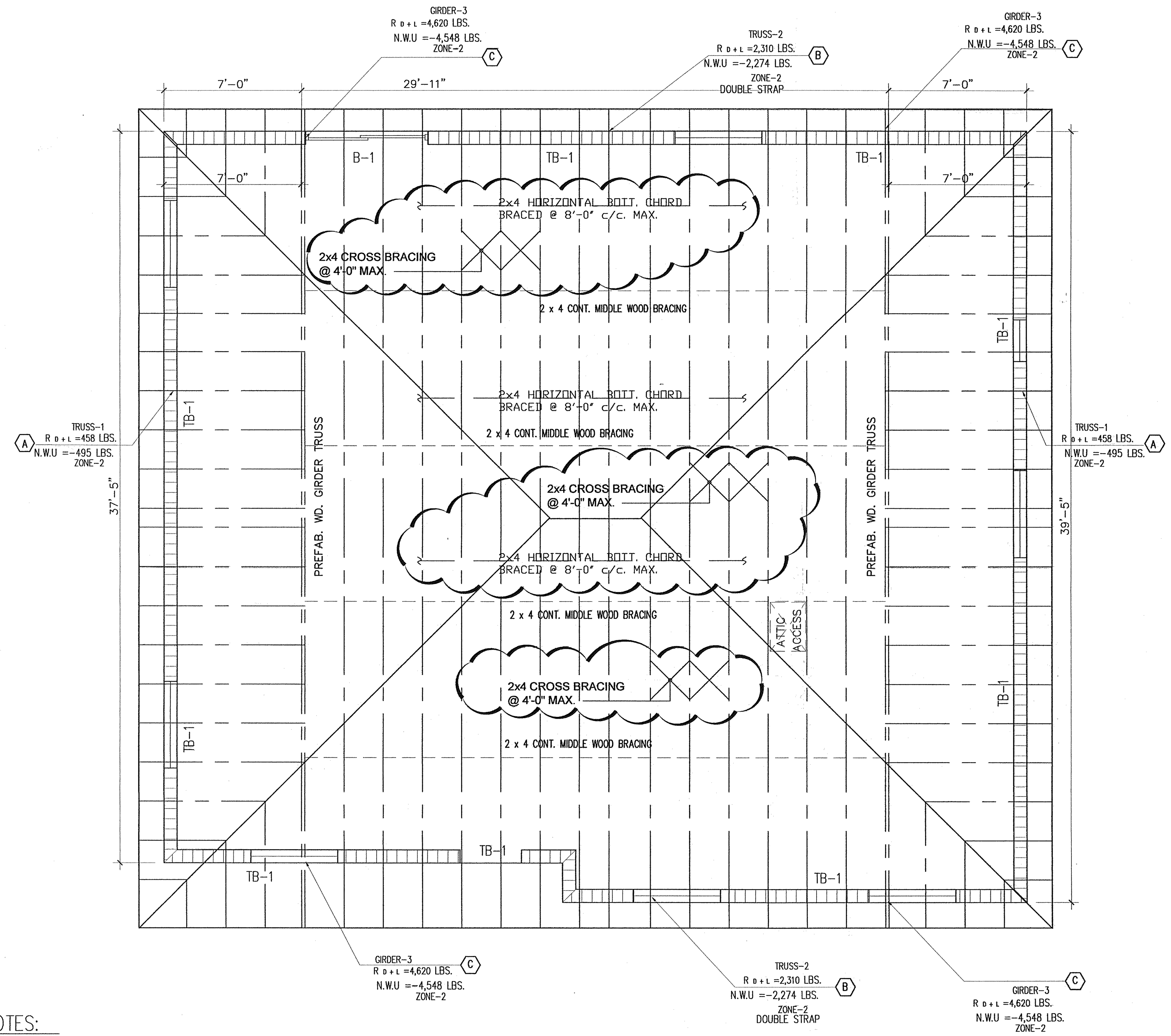
SC : 1"=1'

BEAM SCHEDULE (CONCRETE)

MARK	TOP ELEV.	SIZE W x H	REINFORCING "B"	"T"	"C"	"E"	"I"	TIES OR STIRRUP NO.	TYPE	SPACING EA END	REMARKS	f'c (CONC.)
TB-1	+8'-2"	8" X 12"	2 # 5 CONT.	2 # 5 CONT.				# 3	▢	4 @12" AT CORNERS, #3 @4" AT OPENINGS, @ 48" IN BALANCE	PROVIDE 2 #5 X 2'-6" X 2'-6" CORNERS BARS (BENT 30" IN EACH DIRECTION). DROP OVER OPENING ADD #5 @12" E.A FACE.(SEE DETAIL IN S-1)	3000 PSI
B-1	+8'-2"	8" X 12"	2 # 6	2 # 6		2 # 5		# 3	▢	@ 3" FIRST 3 TIES	@ 4" IN BALANCE	3000 PSI

NOTES:

PROVIDE 4 #3 TIES @ 12" O.C. AT CORNERS AND AT EACH END, BALANCE @ 48" O.C.
CONC. BEAM DEPTH OVER DOOR/WINDOW OPENINGS MAY VARY AS PER MFR. DOOR/WINDOW HGT. (FRENCH OR SLIDING DOORS AND WINDOWS UP TO 3" DEEPER)
SPLICING 18" AT STRAIGHT RUNS AND 30" AT CORNERS
ALL TIE BEAMS SHALL HAVE #3 TIES @ 6" O.C. OVER OPENINGS



ROOF PLAN

SC 1/4" = 1'

MIAMI-DADE COUNTY BUILDING DEPARTMENT
STRUCTURAL SECTION
APPROVED BY:
DATE: 9/10/12

REVISIONS:
REV.1
REV.2
REV.3

ADONAI design & const. inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

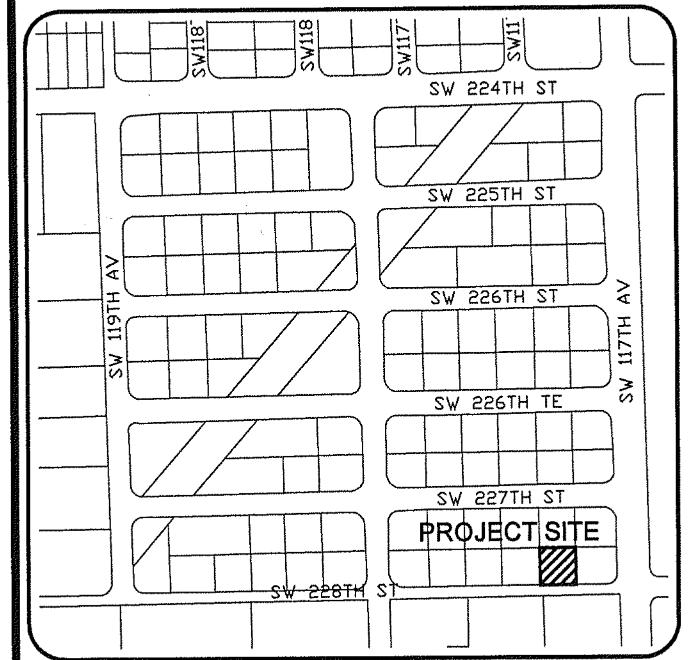
NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 11721 SW 228 ST MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: ROOF PLAN
Drawn By: CG
Scale: 1/4"=1'
Date: 11/11

S-2

BOUNDARY SURVEY



LOCATION MAP
NOT TO SCALE

ABBREVIATIONS:

A	ARC DISTANCE
A/C	AIR CONDITIONING PAD
BLDG.	BUILDING
CLF	CHAIN LINK FENCE
CBS	CONCRETE BLOCK STRUCTURE
(C)	CALCULATED
CB	CATCH BASIN
CH.	CHORD DISTANCE
CHBR.	CHORD BEARING
℄	CENTER LINE
CONC.	CONCRETE
ENC.	ENCROACHMENT
F.I.P.	FOUND IRON PIPE
F.I.R.	FOUND REBAR
F.N.	FOUND NAIL
GV	GAS VALVE
N.G.V.D.	NATIONAL GEODETIC VERTICAL DATUM
O.E.	OVERHEAD ELECTRIC LINE
(MEAS.)	MEASURED
(REC.)	RECORD
R	RADIUS
R/W	RIGHT-OF-WAY
P.C.P.	PERMANENT CONTROL POINT
SEC.	SECTION
SUB.	SUBDIVISION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
O.R.B.	OFFICIAL RECORD BOOK
(B.O.B.)	BASIS OF BEARING
M/L	MONUMENT LINE

SURVEYOR'S NOTES

I-DATE OF COMPLETION:

03-25-2012

II-LEGAL DESCRIPTION AND PROPERTY ADDRESS:

LOT 8 BLOCK 10 "GOULDS ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46, AT PAGE 94, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

PROPERTY ADDRESS: 11721 SW 228th ST MIAMI, FLORIDA 33170

FOLIO #: 30-6913-003-1020

CERTIFIED TO: JORGE A. PEREZ AND MARIA DOMINGO

III-ACCURACY:

ALTHOUGH THIS IS WITHIN PUBLIC PROPERTY, THE SURVEY WAS PREDICATED ON THE EXPECTED USE OF LAND, AS CLASSIFIED IN THE "MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING IN THE STATE OF FLORIDA," PURSUANT TO RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE IS "SUBURBAN" THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 7,500 FEET. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF CLOSED GEOMETRIC FIGURES WAS FOUND TO EXCEED THIS REQUIREMENT.

IV-SOURCES OF DATA:

THIS SURVEY IS BASED UPON RECORDED INFORMATION AS PROVIDED BY CLIENT. NO SPECIFIC SEARCH OF THE PUBLIC RECORD HAS BEEN MADE BY 3TCI.

NORTH ARROW DIRECTION IS BASED ON AN ASSUMED MERIDIAN.

BEARINGS AS SHOWN HEREON ARE BASED UPON THE CENTER LINE OF SW 228th STREET, WITH AN ASSUMED BEARING OF N89°02'23"E SAID LINE TO BE CONSIDERED A WELL MONUMENTED LINE.

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON ONLY AND THE CERTIFICATIONS HEREON DO NOT EXTEND TO ANY UNNAMED PARTIES.

NOT VALID WITHOUT SHEET 2 OF 2
(SHEET 2 OF 2 CONTAINS THE BOUNDARY SURVEY MAP)

THIS PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE X, AS PER FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) COMMUNITY-PANEL NUMBER 120635 MIAMI DADE COUNTY, MAP NO. 12086C 0592, SUFFIX L, EFFECTIVE DATE: SEPTEMBER 11, 2009 AND A FIRM INDEX DATE OF SEPTEMBER 11, 2009.

IN SOME CASES GRAPHIC REPRESENTATION HAVE BEEN EXAGGERATED TO MORE CLEARLY ILLUSTRATE A PARTICULAR AREA WHERE DIMENSIONS SHALL HAVE PREFERENCE OVER GRAPHIC LOCATION.

V-VERTICAL CONTROL:

ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM 1929 AS PER MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT BENCHMARK No. U-716-R SAID BENCHMARK HAS AN ELEVATION OF 7.11 FEET.

UNDERGROUND IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT AS SPECIFICALLY SHOWN. SUBSURFACE SOIL CONDITIONS WERE NOT DETERMINED, AS THIS FALLS OUTSIDE THE PURVIEW OF THIS SURVEY. THESE CONDITIONS MAY INCLUDE THE DETERMINATION OF WETLANDS, FILLED-IN AREAS, GEOLOGICAL CONDITIONS OR POSSIBLE CONTAMINATION BY HAZARDOUS LIQUID OR SOLID WASTE THAT MAY OCCUR WITHIN, UPON, ACROSS, ABUTTING OR ADJACENT TO THE SUBJECT PROPERTY.

VI-SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY: THAT THIS "BOUNDARY SURVEY" AND THE SURVEY MAP RESULTING THEREFROM WAS PERFORMED UNDER MY DIRECTION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND FURTHER, THAT SAID "BOUNDARY SURVEY" MEETS THE INTENT OF THE APPLICABLE PROVISIONS OF THE "MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING IN THE STATE OF FLORIDA", PURSUANT TO RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE AND ITS IMPLEMENTING LAW, CHAPTER 472.027 OF THE FLORIDA STATUTES.

3TCI, Inc., A FLORIDA CORPORATION
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB7799

BY: ______________________________
ROLANDO ORTIZ
REGISTERED SURVEYOR AND MAPPER LS4312
STATE OF FLORIDA

NOTICE: NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING PARTY ARE PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING

3TCI, Inc. LB7799
PROFESSIONAL LAND SURVEYORS AND MAPPERS
12211 SW 129th CT. MIAMI FL 33186
tel: 305-378-1662 fax: 305-220-3762 www.3tci.com
Land Surveyors & Mappers

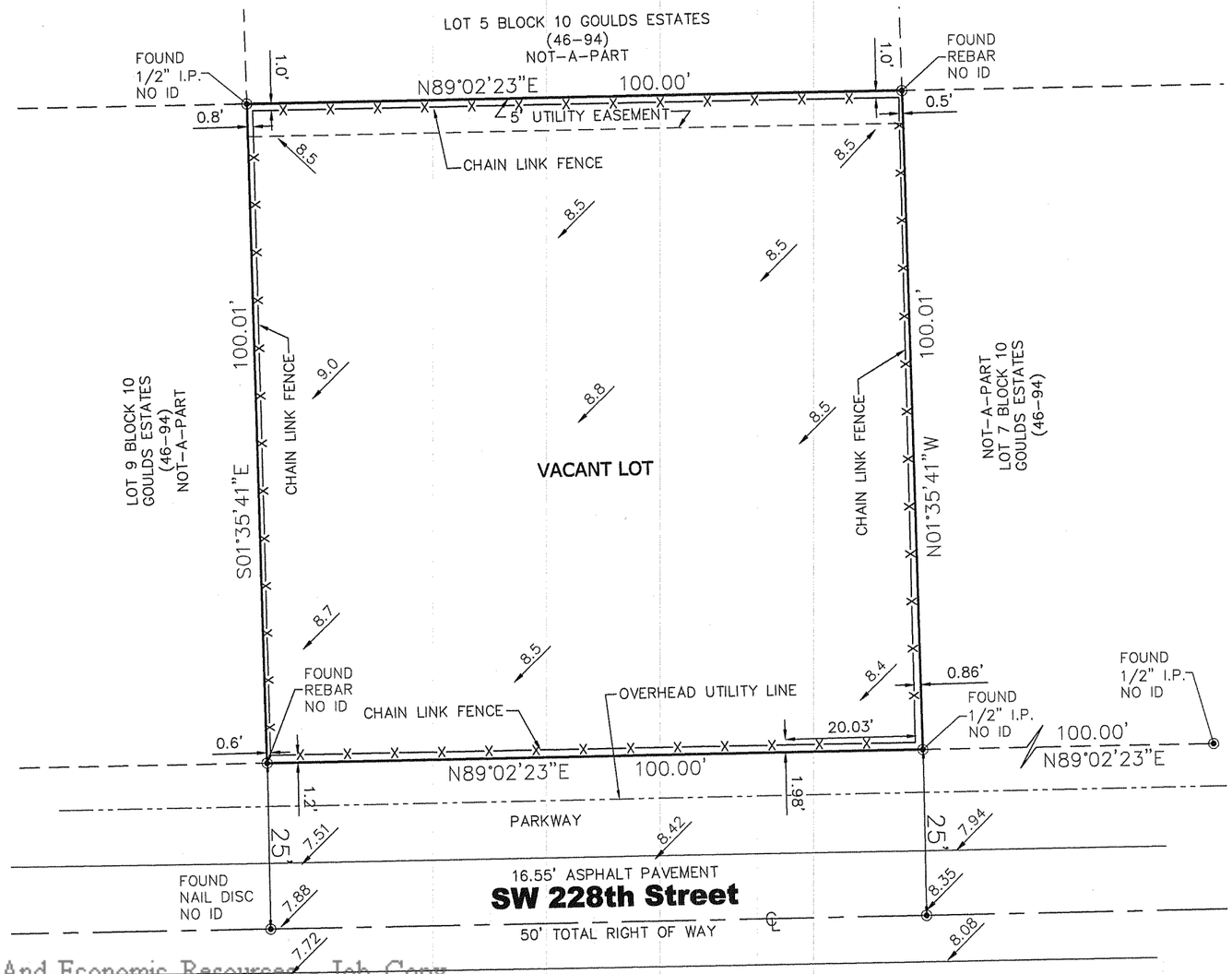
CALL 48 HOURS BEFORE YOU DIG IN FLORIDA
IT'S THE LAW!
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

DRAFTER:	CHECKED:	FIELD BOOK:	JOB NUMBER:	SCALE:	SHEET:
AM	RO	2011-2	12-212	N/A	1 OF 2

SKETCH OF SURVEY

SCALE 1"=20'

0 20 40



LEGEND:

- CO CLEANOUT
- CB CATCH BASIN
- CPP CONCRETE POWER POLE
- GP GUARD POLE
- GT GREASE TRAP
- GV GAS VALVE
- HC HANDICAP SIGN
- LIGHT POLE
- LB LIGHT BOLLARD
- EB ELECTRIC BOX
- EM ELECTRIC MANHOLE
- FH FIRE HYDRANT
- ICV IRRIGATION CONTROL VALVE
- MW MONITORING WELL
- MB MAIL BOX
- SIGN
- SS SANITARY SEWER MANHOLE
- SD STORM SEWER MANHOLE
- T TELEPHONE MANHOLE
- UNKNOWN MANHOLE
- PM PARKING METER
- SPOT LIGHT
- 12.34 SPOT ELEVATION
- SEWER VALVE
- UB UTILITY BOX
- WATER VALVE
- WM WATER METER
- WP WOOD POLE
- WPT WOOD POLE WITH TRANSFORMER
- GUY WIRE
- CLP CONCRETE LIGHT POLE
- TSB TRAFFIC SIGNAL BOX
- PTB PUBLIC TELEPHONE BOOTH
- TCP TRAFFIC CONTROL PANEL
- TC TRASH CAN
- FLAG POLE
- PSP PEDESTRIAN SIGNAL POLE
- TB TELEPHONE BOX
- GAS METER
- PALM
- TREE

CALL 48 HOURS BEFORE YOU DIG IN FLORIDA
IT'S THE LAW!
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

3TCI, Inc. LB7799
PROFESSIONAL LAND SURVEYORS AND MAPPERS
12211 SW 129th CT. MIAMI FL 33186
tel: 305-378-1662 fax: 305-220-3762 www.3tci.com
3TCI Land Surveyors & Mappers

NOT VALID WITHOUT SHEET 1 OF 2
(SHEET 1 OF 2 CONTAINS THE SURVEY REPORT)

DRAFTER:	CHECKED:	FIELD BOOK:	JOB NUMBER:	SCALE:	SHEET:
AM	RO	2011-2	12-212	1"=20'	2 OF 2

AREA CALCULATIONS

DISTRICT AREA	RU-1
LOT AREA	10,000 SQ. FT.
PROPOSE NEW HOUSE	1,694 SQ. FT.

SETBACKS FOR PROPERTY

	REQUIRED	PROPOSED
FRONT SETBACK	25'-0"	25'-0"
REAR SETBACK	25'-0"	35'-7"
SIDE SETBACK	15'-0"	46'-0"
SIDE SETBACK	10'-0"	10'-0"

MAXIMUM BUILDING FOOTPRINT

	REQUIRED	PROPOSED
FOOT PRINT PROPOSED	2,800 SQ. FT	1,694 SQ. FT

GREEN AREA

MINIMO GREEN AREA 15% REQ.	
PROPOSED GREEN AREA	7,406 SQ. FT.

LEGAL DESCRIPTION

LOT 8, BLOCK 10 SUBDIVISION:GOULDS ESTATES SECTION ONE ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46 AT PAGE 34 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION

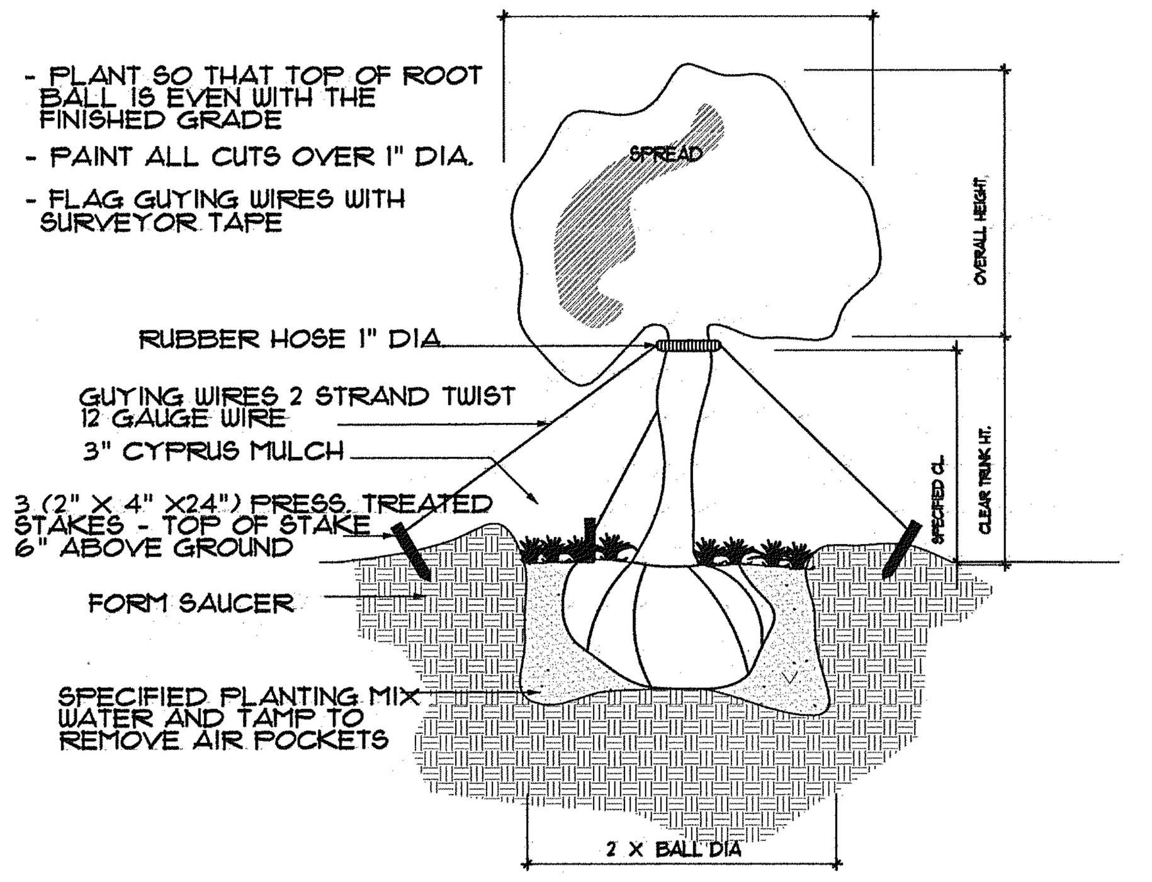
LANDSCAPE ORDINANCE 98-13

- * 30% OF MAXIMUM LAWN AREA ALLOWED - 30% OF LOT = 10000 S.F. x 30 = 3,000 S.F.
- * 3 TREES PER ACRE OF NET LOT AREA 10,000 S.F. / 43,560 = 0.23 ACRES x 9 = 2.07
  2 TREES PER LOT
- * ST. TREES REQ. SPACED AT AVERAGE OF 35' ON CENTER LOT FRONTAGE = 100.0' / 35 = 2.8 =3
- * TOTAL TREES REQUIRED IS 1 OF REQUIRED TREES, 30 % (1 x 30 = 03) SHALL BE NATIVE SPECIES AND 20 % (1 x 20 = 02) OF THE REQUIRED NATIVE
- * TREES PLANTED ON PRIVATE PROPERTY WITHIN 7' OF R.O.W. CAN BE COUNTED TOWARDS STREET TREES.
- * 10 SHRUBS PER TREE REQUIRED - 5 x 10 = 50 SHRUBS / HEDGES REQUIRED PROVIDED = 50
- * A/C COMPRESSORS SHALL BE SCREENED EITHER WITH TREES OR HEDGES.

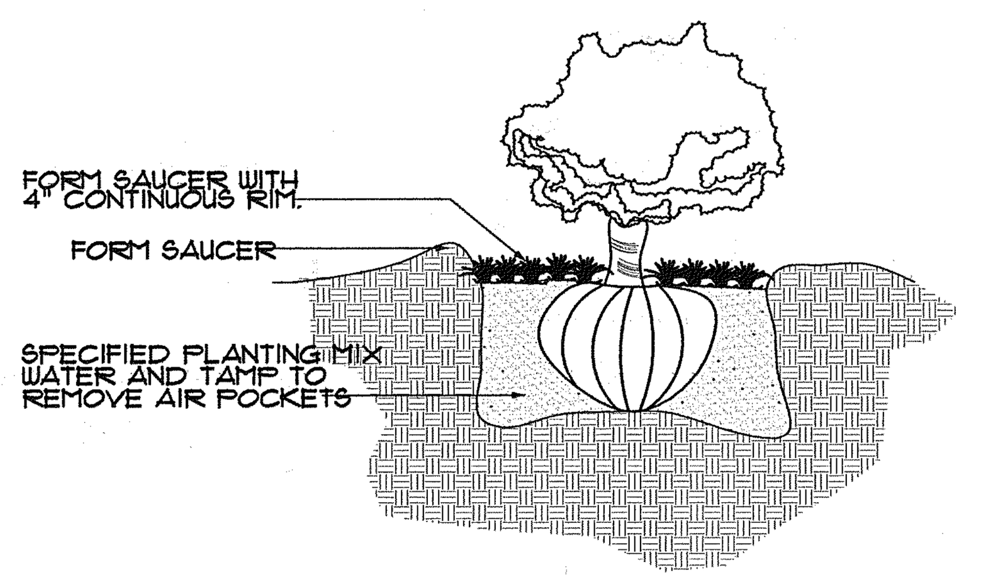
NOTE:
BALANCE OF LOT CAN BE WITH LANDSCAPE MATERIAL / FEATURES.

GENERAL LANDSCAPING SCHEDULE:

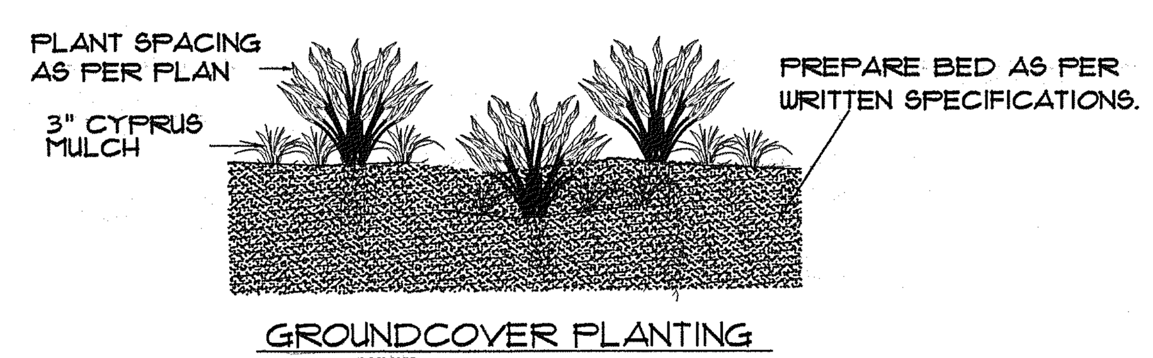
SYMBOL	NEW	EXIST.	TREE NAME SCIENTIFIC	TREE NAME COMMON	NATIVE SPECIES YES/NO	MAX. HEIGHT	CANOPY DIAMETER	DESCRIPTION
	2	-	SWIETENIA MAHOGANY	MAHOGANY	Y	35'-60'	20'	12'-14'o.a/6'-8'sp/2½cal
	3	-	QUERCUS VIRGINIANA	OAK LIVE	Y	50'-60'	20'	12'-14'o.a/6'-8' sp/2½"CAL
TOTAL	5							
	20			IXORA SPP	N			24"
	30		CALLICARPA AMERICANA	BEAUTY-BERRY	Y	4'-8'		30"-40"/FULL/24"o.c



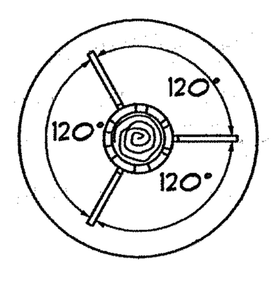
TREE PLANTING-GUY WIRES



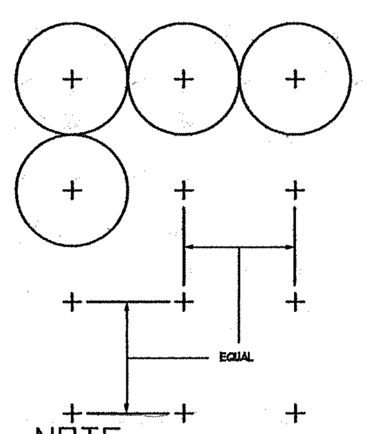
SHRUB PLANTING



GROUNDCOVER PLANTING



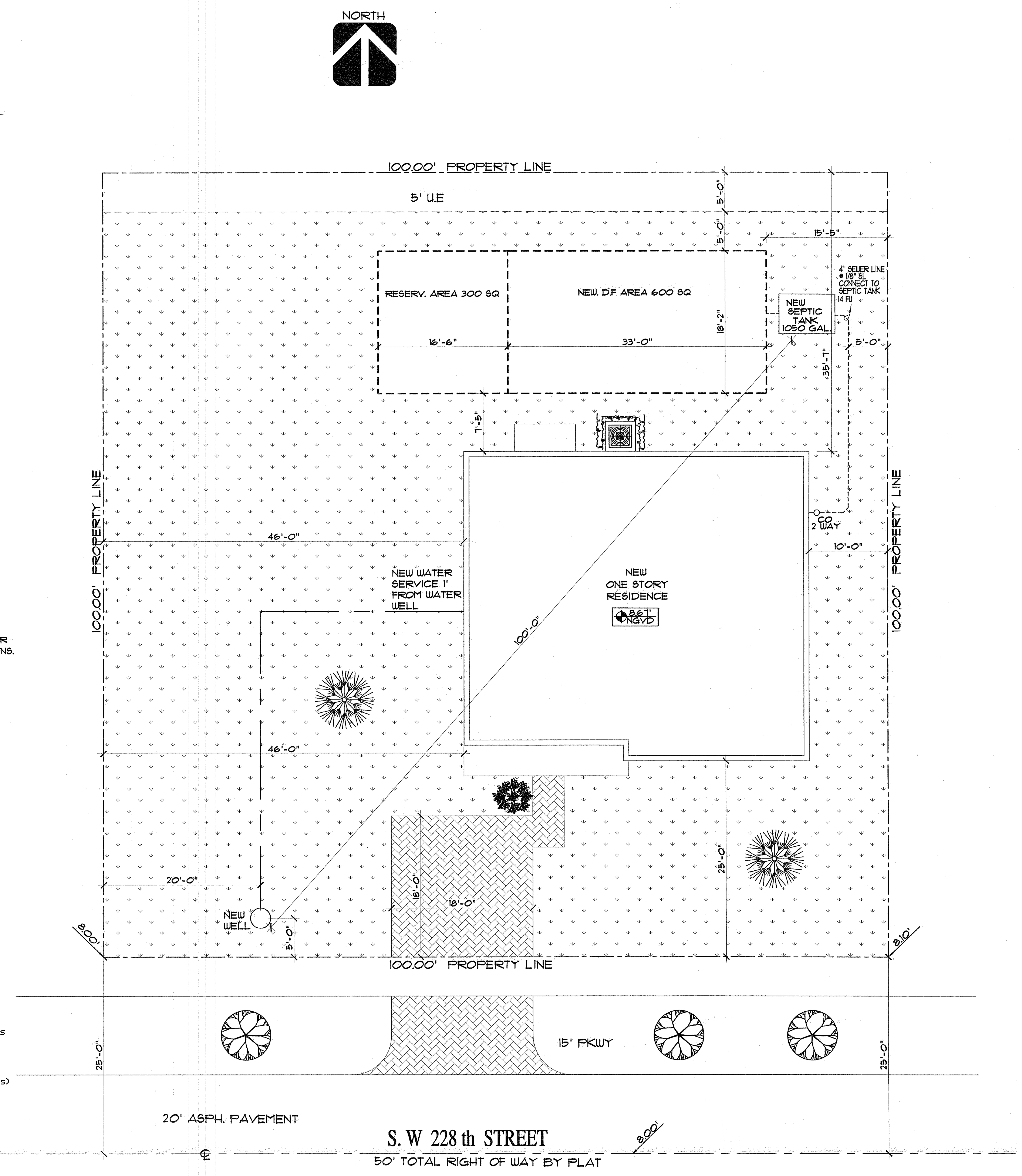
BATTEN DETAIL



NOTE:
In most cases truangular spacing is prefered. Use square spacing only in small rectilinear areas.

SQUARE SPACING

PLANT SPACING (for shrubs and groundcovers)
NOT TO SCALE



SITE PLAN
SC: 1/8"=1'

REVISIONS:
REV.1
REV.2
REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 228 SW 117 AVE. MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SITE PLAN
Drawn By: CG
Scale: 1/8"=1'
Date: 11/11

SP

AREA CALCULATIONS

DISTRICT AREA	RU-1
LOT AREA	10,000 SQ. FT.
PROPOSE NEW HOUSE	1,694 SQ. FT.

SETBACKS FOR PROPERTY

	REQUIRED	PROPOSED
FRONT SETBACK	25'-0"	25'-0"
REAR SETBACK	25'-0"	35'-7"
SIDE SETBACK	15'-0"	46'-0"
SIDE SETBACK	10'-0"	10'-0"

MAXIMUM BUILDING FOOTPRINT

	REQUIRED	PROPOSED
FOOT PRINT PROPOSED	2,800 SQ. FT	1,694 SQ. FT

GREEN AREA

MINIMO GREEN AREA 15% REQ.	
PROPOSED GREEN AREA	7,406 SQ. FT.

LEGAL DESCRIPTION

LOT 8, BLOCK 10 "GOULDS ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46, AT PAGE 94 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION

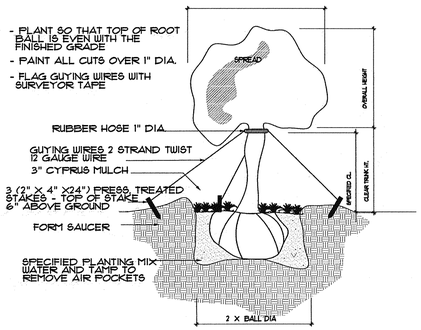
LANDSCAPE ORDINANCE 98-13

* 30% OF MAXIMUM LAWN AREA ALLOWED = 30% OF LOT = 10000 SF. x 30 = 3,000 SF.
* 3 TREES PER ACRE OF NET LOT AREA 10,000 SF. / 43,560 = 0.23 ACRES x 9 = 2.07
  2 TREES PER LOT
* ST. TREES REQ. SPACED AT AVERAGE OF 35' ON CENTER LOT FRONTAGE = 100.0' / 35 = 2.8 +3
* TOTAL TREES REQUIRED IS 1 OF REQUIRED TREES, 30 % (1 x 30 = .03) SHALL BE NATIVE SPECIES AND 20 % (1 x 20 = .02) OF THE REQUIRED NATIVE
* TREES PLANTED ON PRIVATE PROPERTY WITHIN 7' OF R.O.W. CAN BE COUNTED TOWARDS STREET TREES.
* 10 SHRUBS PER TREE REQUIRED - 5 x 10 = 50 SHRUBS / HEDGES REQUIRED PROVIDED = 50
* A/C COMPRESSORS SHALL BE SCREENED EITHER WITH TREES OR HEDGES.

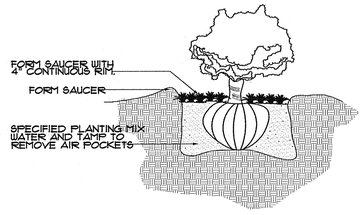
NOTE:
BALANCE OF LOT CAN BE WITH LANDSCAPE MATERIAL / FEATURES.

GENERAL LANDSCAPING SCHEDULE:

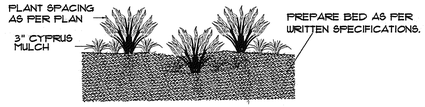
SYMBOL	NEW	EXIST.	TREE NAME SCIENTIFIC	TREE NAME COMMON	NATIVE SPECIES YES/NO	MAX. HEIGHT	CANOPY DIAMETER	DESCRIPTION
	2	-	SWIETENIA MAHOGANY	MAHOGANY	Y	35'-60'	20'	12'-14' o.a / 6'-8' sp / 2½" cal
	3	-	QUERCUS VIRGINIANA	OAK LIVE	Y	50'-60'	20'	12'-14' o.a / 6'-8' sp / 2½" CAL
TOTAL	5							
	20			IXORA SPP.	N			24"
	30		CALLICARPA AMERICANA	BEAUTY-BERRY	Y	4'-8'		30"-40" / FULL / 24" o.c



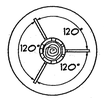
TREE PLANTING-GUY WIRES



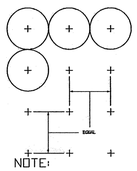
SHRUB PLANTING



GROUNDCOVER PLANTING



BATTEN DETAIL

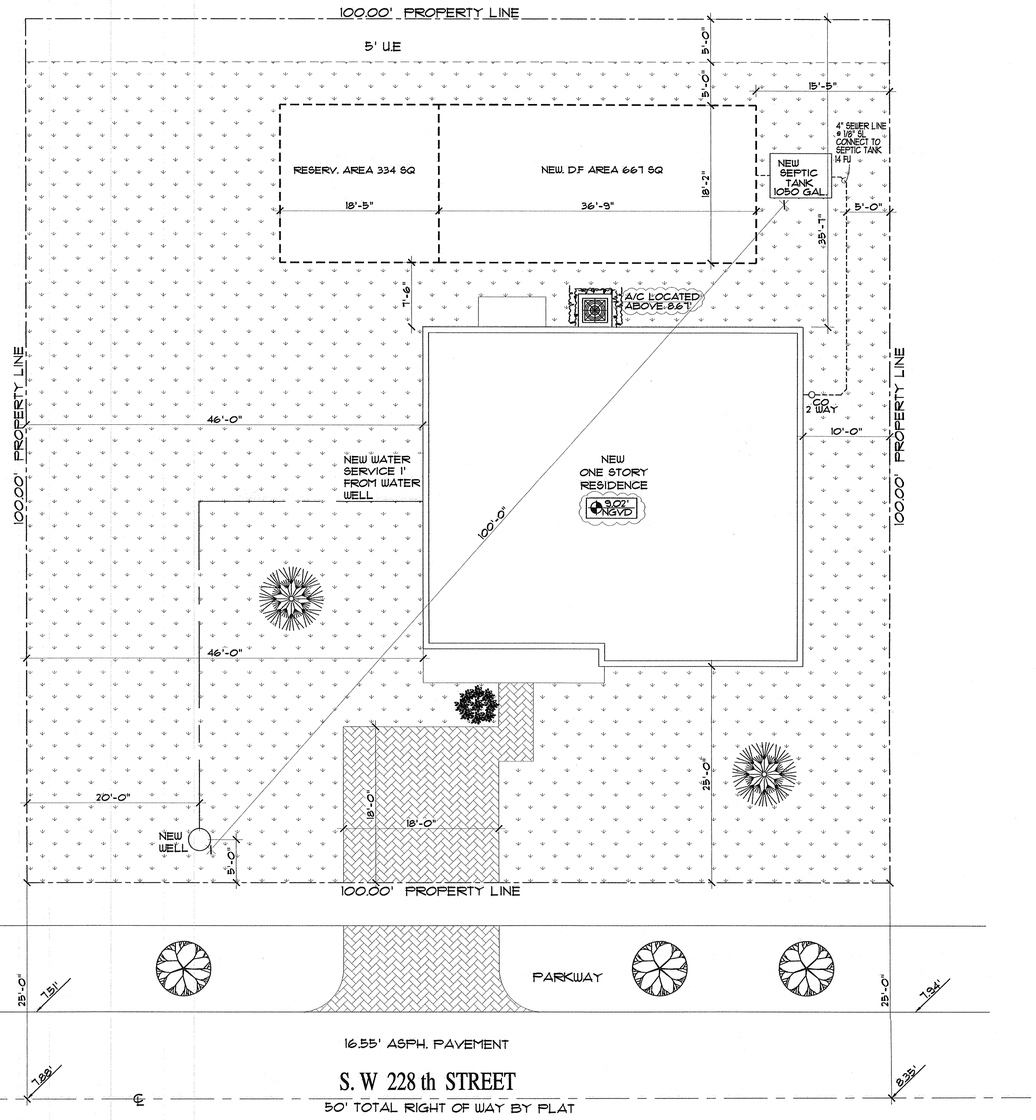


NOTE:
In most cases truangular spacing is prefered. Use sguare spacing only in small rectilinear areas.

SQUARE SPACING

PLANT SPACING (For shrubs and groundcovers)
NOT TO SCALE

NORTH



SITE PLAN

SC: 1/8"=1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const., inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

10/24/12

NEW RESIDENCE
YAIMI DIAZ CAMPO

CLIENT:

ADDRESS: 11721 SW 228 ST MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SITE PLAN
Drawn By: CG
Scale: 1/8"=1'
Date: 11/11

SP

AREA CALCULATIONS

DISTRICT AREA	RU-1
LOT AREA	10,000 SQ. FT.
PROPOSE NEW HOUSE	1,694 SQ. FT.

SETBACKS FOR PROPERTY

	REQUIRED	PROPOSED
FRONT SETBACK	25'-0"	25'-0"
REAR SETBACK	25'-0"	35'-7"
SIDE SETBACK	15'-0"	41'-0"
SIDE SETBACK	10'-0"	15'-0"

MAXIMUM BUILDING FOOTPRINT

	REQUIRED	PROPOSED
FOOT PRINT PROPOSED	2,800 SQ. FT	1,694 SQ. FT

GREEN AREA

MINIMO GREEN AREA 15% REQ.	
PROPOSED GREEN AREA	7,406 SQ. FT.

LEGAL DESCRIPTION

LOT 8, BLOCK 10 "GOULDS ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46, AT PAGE 94 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION

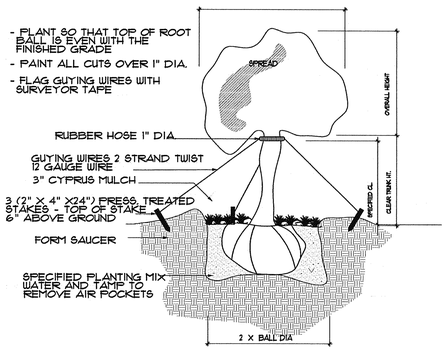
LANDSCAPE ORDINANCE 98-13

* 30% OF MAXIMUM LAWN AREA ALLOWED - 30% OF LOT = 10000 SF. x 30 = 3,000 SF.
* 3 TREES PER ACRE OF NET LOT AREA 10,000 SF. / 43,560 = 0.23 ACRES x 9 = 2.07
  2 TREES PER LOT
* 5T. TREES REQ. SPACED AT AVERAGE OF 35' ON CENTER LOT FRONTAGE = 100.0' / 35 = 2.8 =3
* TOTAL TREES REQUIRED IS 1 OF REQUIRED TREES, 30 % (1 x 30 = 0.3) SHALL BE NATIVE SPECIES AND 20 % (1 x 20 = 02) OF THE REQUIRED NATIVE
* TREES PLANTED ON PRIVATE PROPERTY WITHIN 'I' OF R.O.W. CAN BE COUNTED TOWARDS STREET TREES.
* 10 SHRUBS PER TREE REQUIRED - 5 x 10 = 50 SHRUBS / HEDGES REQUIRED PROVIDED = 50
* A/C COMPRESSORS SHALL BE SCREENED EITHER WITH TREES OR HEDGES.

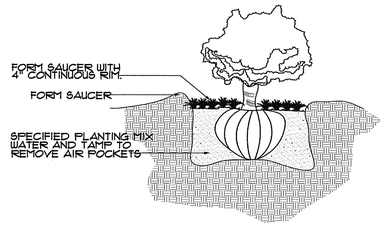
NOTE:
BALANCE OF LOT CAN BE WITH LANDSCAPE MATERIAL / FEATURES.

GENERAL LANDSCAPING SCHEDULE:

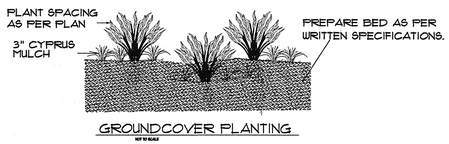
SYMBOL	NEW	EXIST.	TREE NAME SCIENTIFIC	TREE NAME COMMON	NATIVE SPECIES YES/NO	MAX. HEIGHT	CANOPY DIAMETER	DESCRIPTION
	2	-	SWIETENIA MAHOGANY	MAHOGANY	Y	35'-60'	20'	12'-14'o.a/6'-8'sp/2½cal
	3	-	QUERCUS VIRGINIANA	OAK,LIVE	Y	50'-60'	20'	12'-14'o.a/6'-8' sp/2½"CAL
TOTAL	5							
	120		IXORA SPP.		N			24"
	30		CALLICARPA AMERICANA	BEAUTY-BERRY	Y	4'-8'		30"-40"/FULL/24"o.c



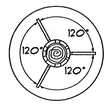
TREE PLANTING-GUY WIRES



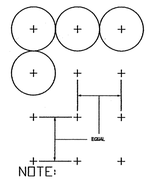
SHRUB PLANTING



GROUNDCOVER PLANTING



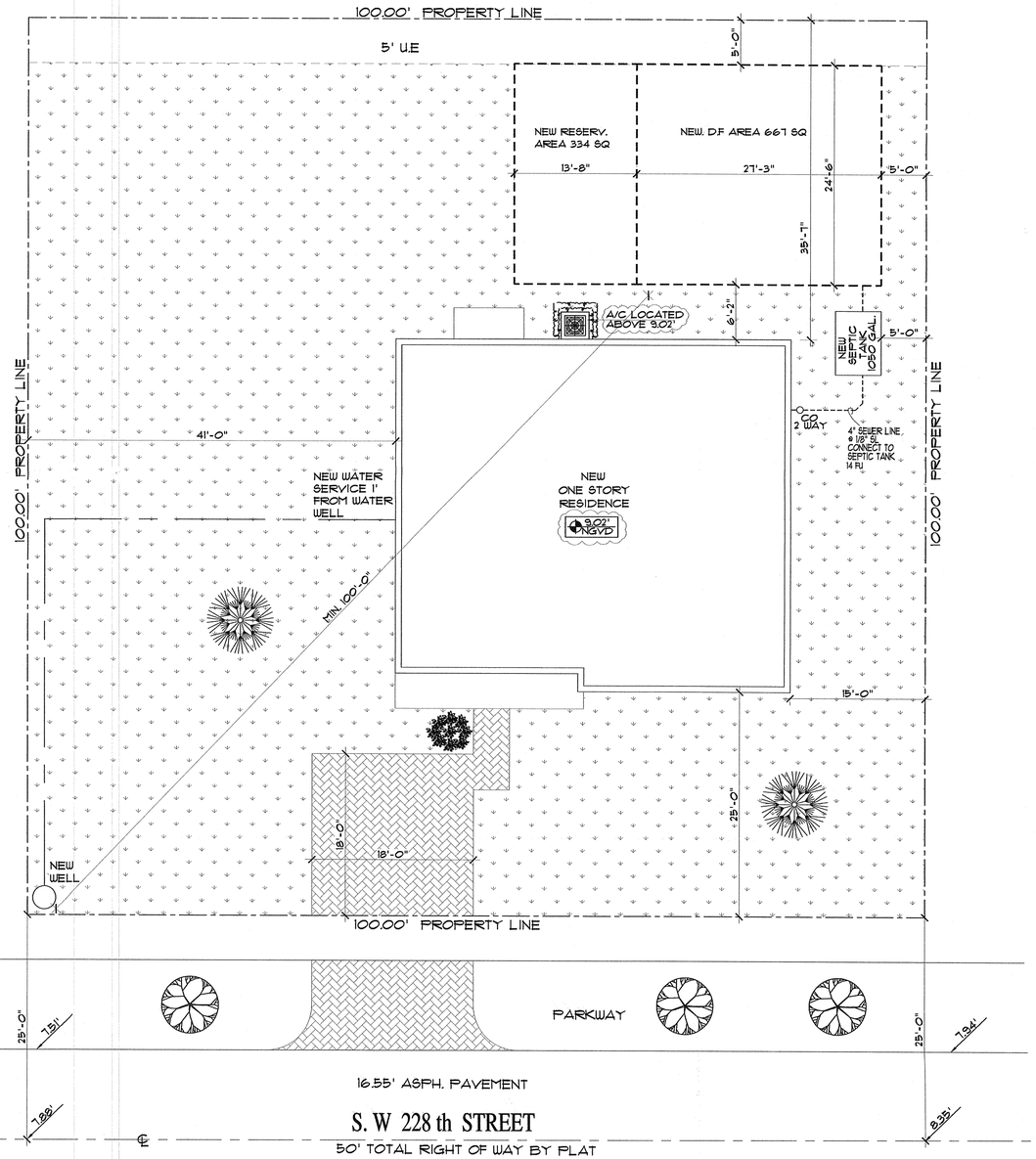
BATTEN DETAIL



NOTE:
In most cases truangular spacing is prefered. Use sguare spacing only in small rectilinear areas.

SQUARE SPACING

PLANT SPACING (for shrubs and groundcovers)
NOT TO SCALE



SITE PLAN

SC: 1/8"=1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const. inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE

CLIENT: YAMI DIAZ CAMPO

ADDRESS: 11721 SW 228 ST MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SITE PLAN
Drawn By: CG
Scale: 1/8"=1'
Date : 11/11

SP

AREA CALCULATIONS

DISTRICT AREA	RU–1
LOT AREA	10,000 SQ. FT.
PROPOSE NEW HOUSE	1,694 SQ. FT.

SETBACKS FOR PROPERTY

	REQUIRED	PROPOSED
FRONT SETBACK	25'–0"	25'–0"
REAR SETBACK	25'–0"	35'–7"
SIDE SETBACK	15'–0"	41'–0"
SIDE SETBACK	10'–0"	15'–0"

MAXIMUM BUILDING FOOTPRINT

	REQUIRED	PROPOSED
FOOT PRINT PROPOSED	2,800 SQ. FT	1,694 SQ. FT

GREEN AREA

MINIMO GREEN AREA 15% REQ.	
PROPOSED GREEN AREA	7,406 SQ. FT.

LEGAL DESCRIPTION

LOT 8, BLOCK 10 "GOULDS ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46, AT PAGE 94 OF THE PUBLIC RECORDS OF MIAMI–DADE COUNTY, FLORIDA.

NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION

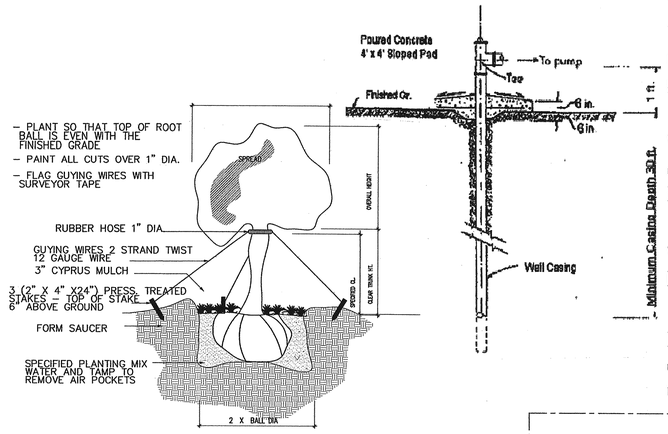
LANDSCAPE ORDINANCE 98–13

* 30% OF MAXIMUM LAWN AREA ALLOWED – 30% OF LOT = 10000 S.F. x .30 = 3,000 S.F.
* 3 TREES PER ACRE OF NET LOT AREA 10,000 S.F. / 43,560 = 0.23 ACRES x 9 = 2.07
  2 TREES PER LOT
* ST. TREES REQ. SPACED AT AVERAGE OF 35' ON CENTER LOT FRONTAGE = 100.0' / 35 = 2.8 =3
* TOTAL TREES REQUIRED IS 1 OF REQUIRED TREES, 30 % (1 x .30 = 0.3) SHALL BE NATIVE SPECIES AND 20 % (1 x .20 = 0.2) OF THE REQUIRED NATIVE
* TREES PLANTED ON PRIVATE PROPERTY WITHIN 7' OF R.O.W. CAN BE COUNTED TOWARDS STREET TREES.
* 10 SHRUBS PER TREE REQUIRED – 5 x 10 = 50 SHRUBS / HEDGES REQUIRED PROVIDED = 50
* A/C COMPRESSORS SHALL BE SCREENED EITHER WITH TREES OR HEDGES.

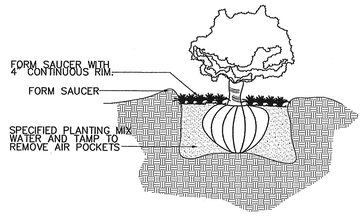
NOTE:
BALANCE OF LOT CAN BE WITH LANDSCAPE MATERIAL / FEATURES.

GENERAL LANDSCAPING SCHEDULE:

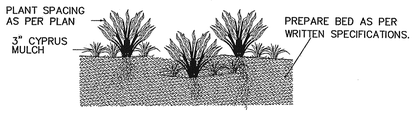
SYMBOL	NEW	EXIST.	TREE NAME SCIENTIFIC	TREE NAME COMMON	NATIVE SPECIES YES/NO	MAX. HEIGHT	CANOPY DIAMETER	DESCRIPTION
	2	–	SWIETENIA MAHOGANY	MAHOGANY	Y	35'–60'	20'	12'–14'o.a/6'–8'sp/2\"cal
	3	–	QUERCUS VIRGINIANA	OAK,LIVE	Y	50'–60'	20'	12'–14'o.a/6'–8' sp/2\"CAL
TOTAL	5							
	20			IXORA SPP.	N			24"
	30		CALLICARPA AMERICANA	BEAUTY–BERRY	Y	4'–8'		30"–40"/FULL/24"o.c



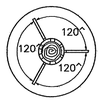
TREE PLANTING–GUY WIRES



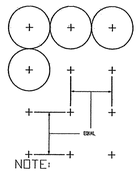
SHRUB PLANTING



GROUNDCOVER PLANTING



BATTEN DETAIL



NOTE:
In most cases truangular spacing is prefered. Use square spacing only in small rectilinear areas.

SQUARE SPACING

PLANT SPACING (for shrubs and groundcovers)
NOT TO SCALE

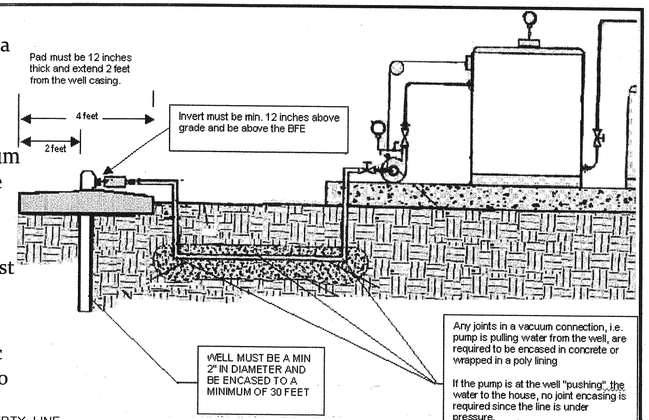
WELL REQUIREMENTS:

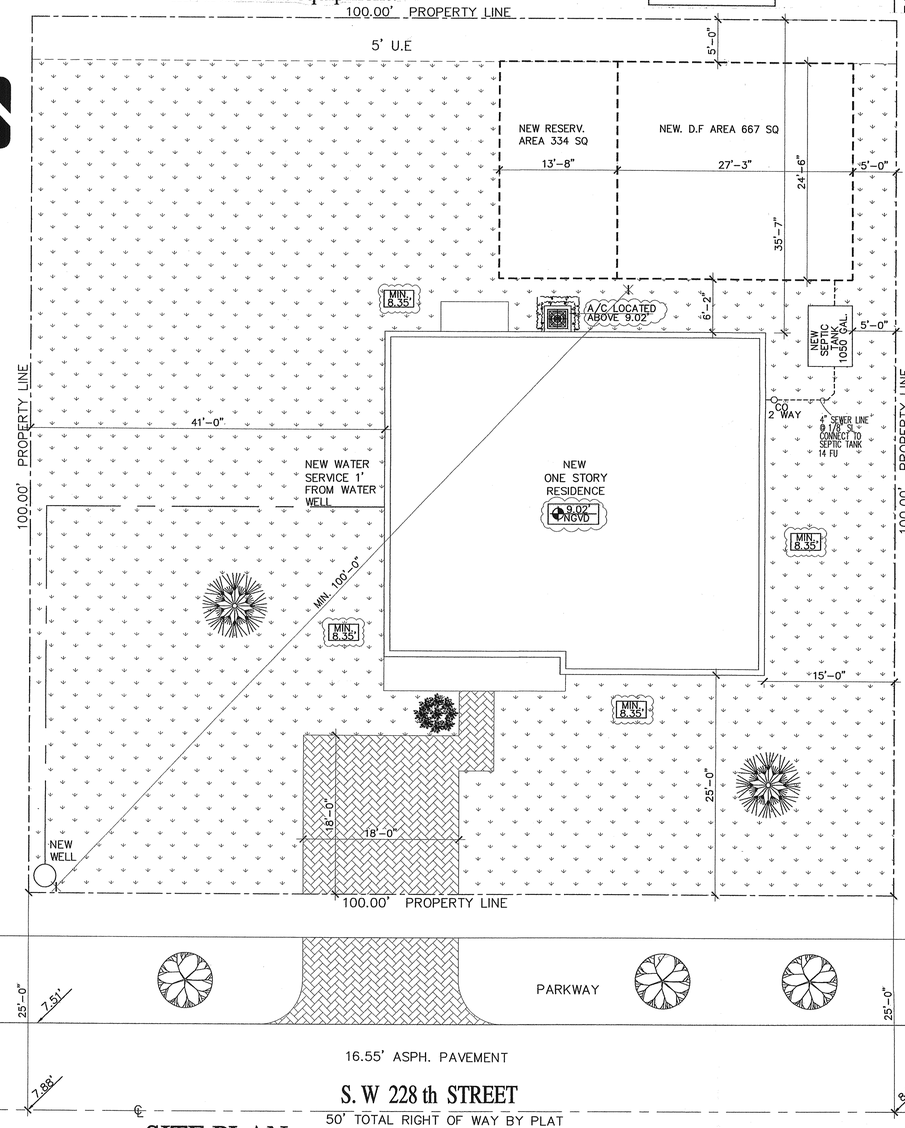
The well needs to be encased to a minimum of 30 ft below groundwater table.

Well invert must be at a minimum of 1 ft above grade and above the Base Flood Elevation (BFE).

Well must be accessible and must have a port for disinfection.

Plan should provide a schematic of the well and the connection to the treatment equipment.





SITE PLAN
SC: 1/8"=1'

REVISIONS:

REV.1
REV.2
REV.3

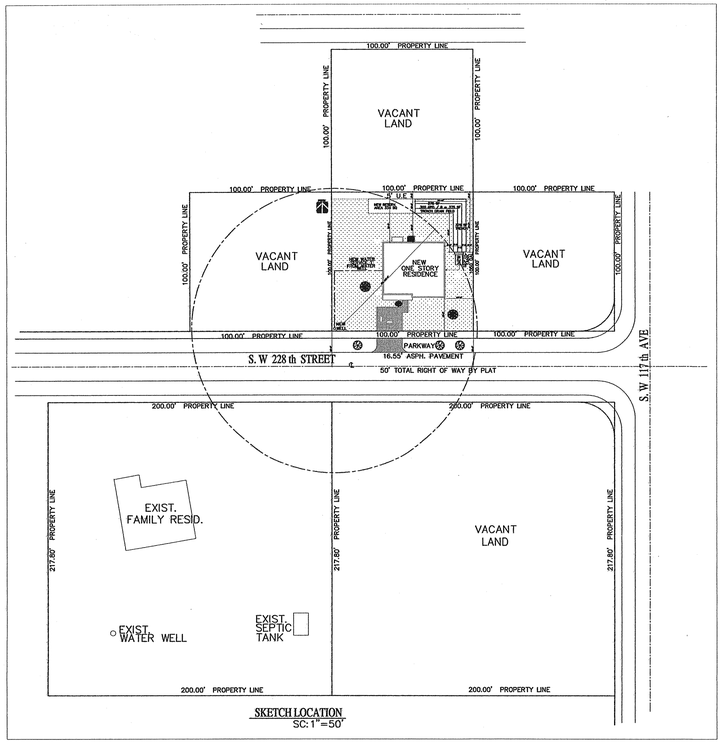
ADONAI design & const. inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
YAIMI DIAZ CAMPO
CLIENT:
11721 SW 228 ST
MIAMI,FLORIDA
ADDRESS:

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 232 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SITE PLAN
Drawn By: CG
Scale: 1/8"=1'
Date: 11/11

SP



SKETCH LOCATION
SC: 1" = 50'

AREA CALCULATIONS

DISTRICT AREA	RU-1
LOT AREA	10,000 SQ. FT.
PROPOSE NEW HOUSE	1,694 SQ. FT.

SETBACKS FOR PROPERTY

	REQUIRED	PROPOSED
FRONT SETBACK	25'-0"	25'-0"
REAR SETBACK	25'-0"	35'-7"
SIDE SETBACK	15'-0"	41'-0"
SIDE SETBACK	10'-0"	15'-0"

MAXIMUM BUILDING FOOTPRINT

	REQUIRED	PROPOSED
FOOT PRINT PROPOSED	2,800 SQ. FT	1,694 SQ. FT

GREEN AREA

MINIMO GREEN AREA 15% REQ.	
PROPOSED GREEN AREA	7,406 SQ. FT.

LANDSCAPE ORDINANCE 98-13

*

* 3 TREES PER ACRE OF NET LOT AREA 10,000 S.F. / 43,560 = 0.23 ACRES x 9 = 2.07
2 TREES PER LOT

* ST. TREES REQ. SPACED AT AVERAGE OF 35' ON CENTER LOT FRONTAGE = 100.0' / 35 = 2.8 =3

* TOTAL TREES REQUIRED IS 1 OF REQUIRED TREES, 30 % (1 x .30 = 0.3) SHALL BE NATIVE SPECIES AND 20 % (1 x .20 = 0.2) OF THE REQUIRED NATIVE

* TREES PLANTED ON PRIVATE PROPERTY WITHIN 7' OF R.O.W. CAN BE COUNTED TOWARDS STREET TREES.

* 10 SHRUBS PER TREE REQUIRED - 5 x 10 = 50 SHRUBS / HEDGES REQUIRED PROVIDED = 50

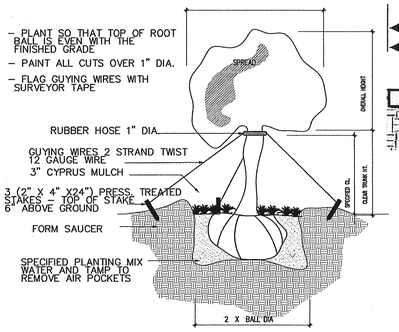
* A/C COMPRESSORS SHALL BE SCREENED EITHER WITH TREES OR HEDGES.

NOTE:
BALANCE OF LOT CAN BE WITH LANDSCAPE MATERIAL / FEATURES.

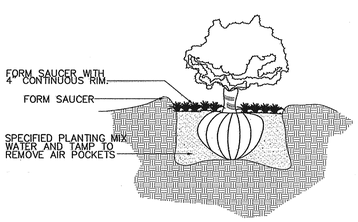
LEGAL DESCRIPTION

LOT 8, BLOCK 10 "GOULDS ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46, AT PAGE 94 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

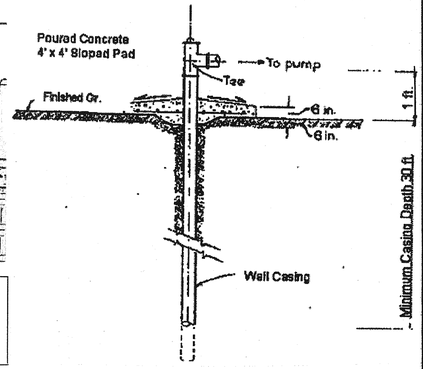
NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION



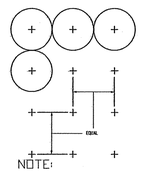
TREE PLANTING-GUY WIRES



SHRUB PLANTING



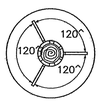
GROUNDCOVER PLANTING



NOTE:
In most cases truangular spacing is prefered. Use square spacing only in small rectilinear areas.

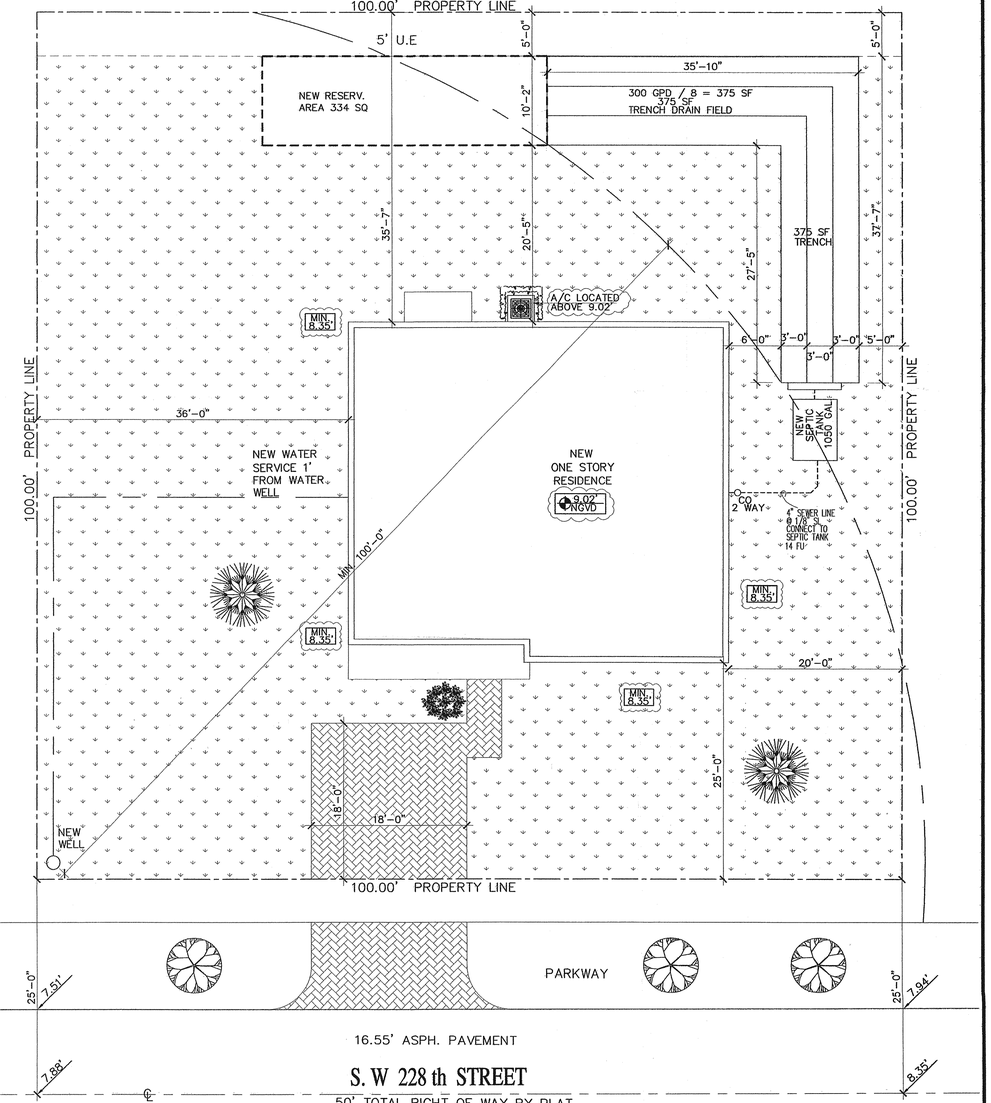
SQUARE SPACING

PLANT SPACING (for shrubs and groundcovers)
NOT TO SCALE



BATTEN DETAIL

NORTH



SITE PLAN
SC: 1/8"=1'

GENERAL LANDSCAPING SCHEDULE:

SYMBOL	NEW	EXIST.	TREE NAME SCIENTIFIC	TREE NAME COMMON	NATIVE SPECIES YES/NO	MAX. HEIGHT	CANOPY DIAMETER	DESCRIPTION
	2	-	SWIETENIA MAHOGANY	MAHOGANY	Y	35'-60'	20'	12'-14'o.a/6'-8'sp/2\col
	3	-	QUERCUS VIRGINIANA	OAK,LIVE	Y	50'-60'	20'	12'-14'o.a/6'-8' sp/2\"CAL
TOTAL	5							
	20			IXORA SPP.	N			24"
	30		CALLICARPA AMERICANA	BEAUTY-BERRY	Y	4'-8'		30"-40"/FULL/24"o.c

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const. inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

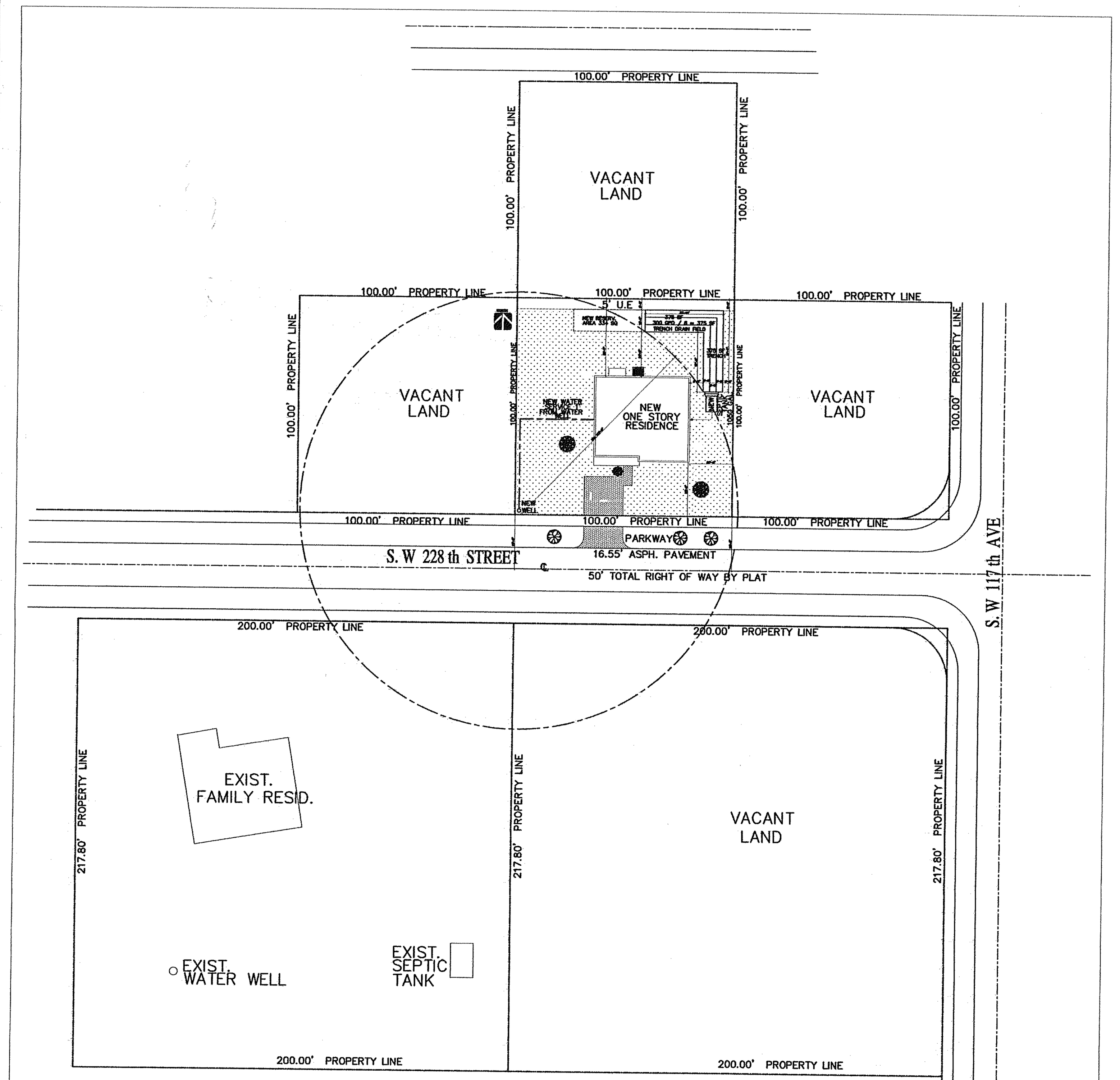
NEW RESIDENCE
YAIMI DIAZ CAMPO
11721 SW 228 ST
MIAMI,FLORIDA

CLIENT:
ADDRESS:

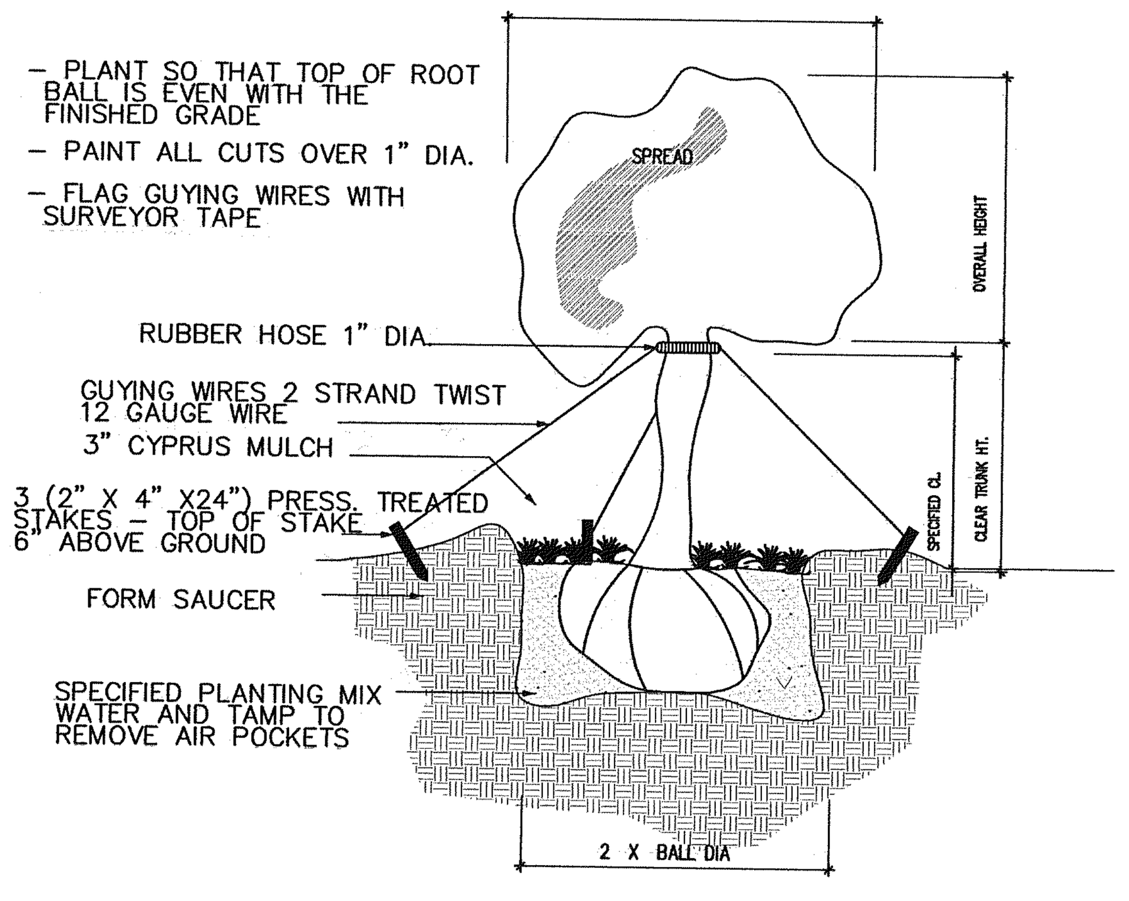
OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SITE PLAN
Drawn By: CG
Scale: 1/8"=1'
Date: 11/11

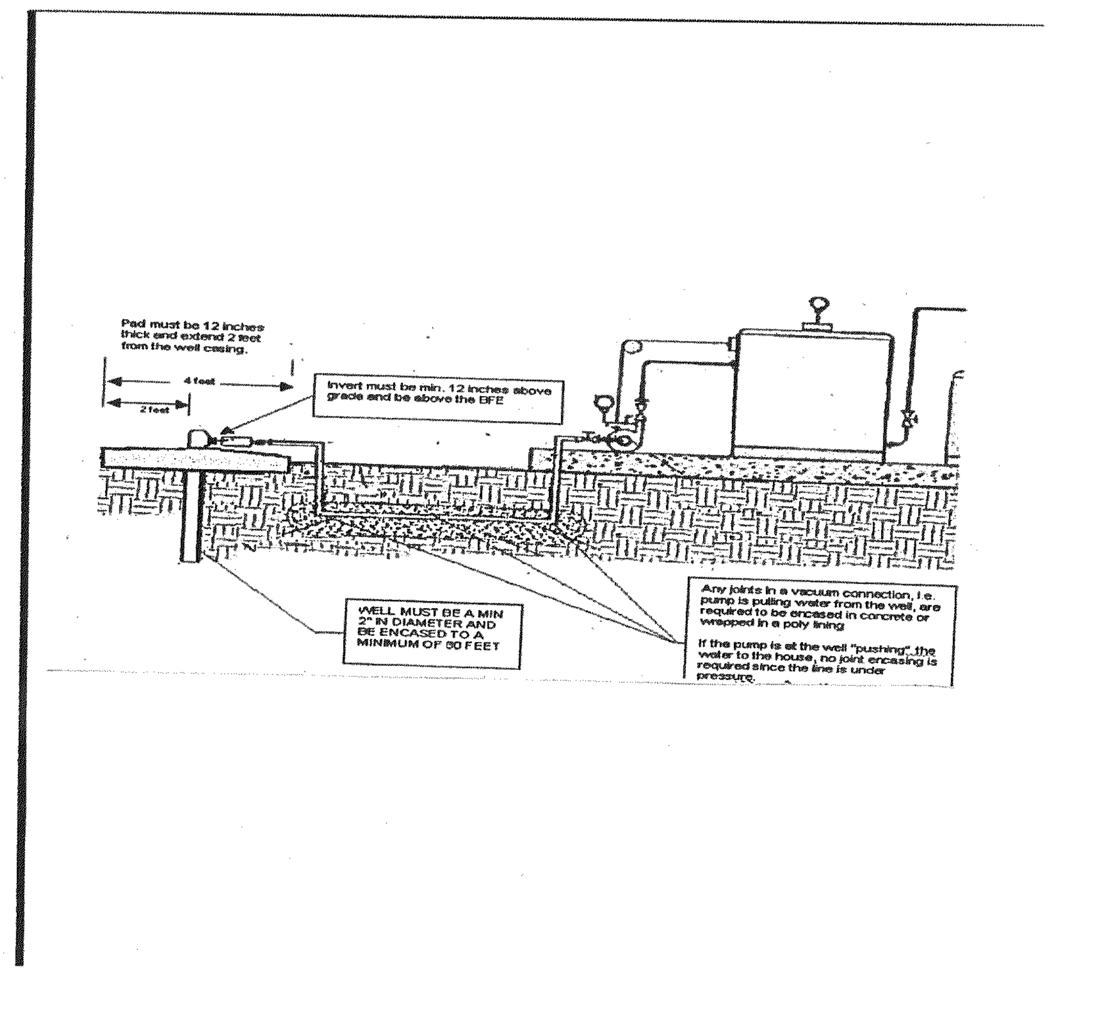
SP

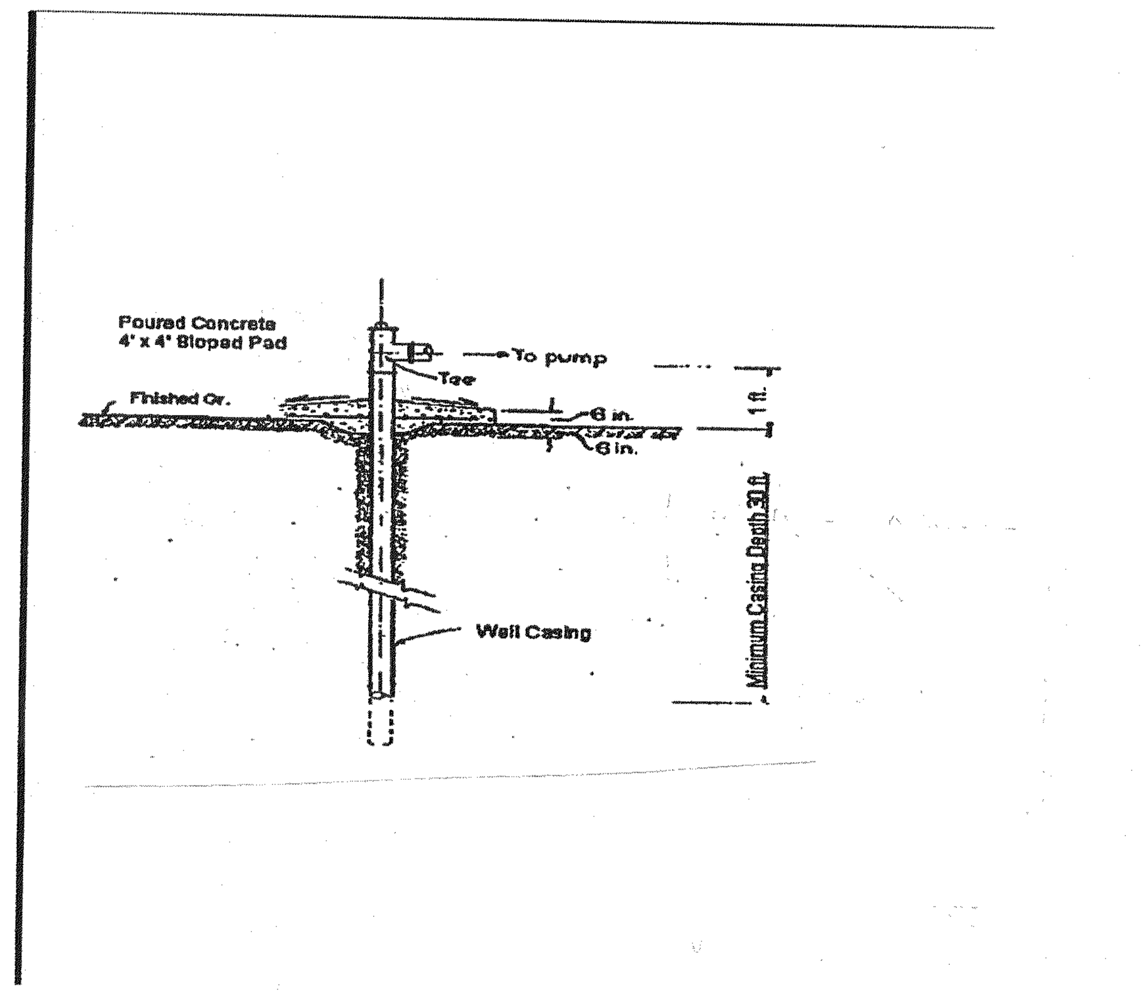


SKETCH LOCATION
SC: 1"=50'

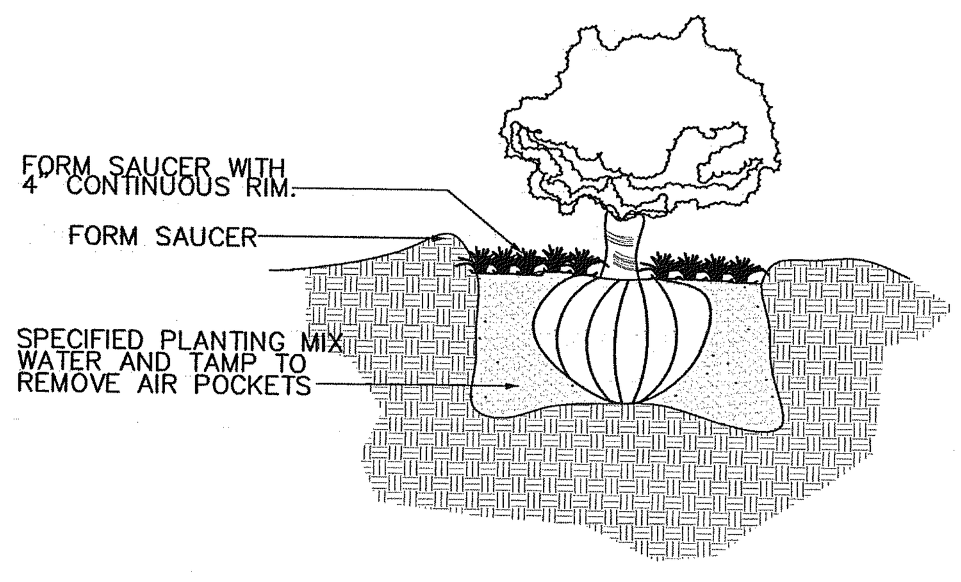


TREE PLANTING-GUY WIRES

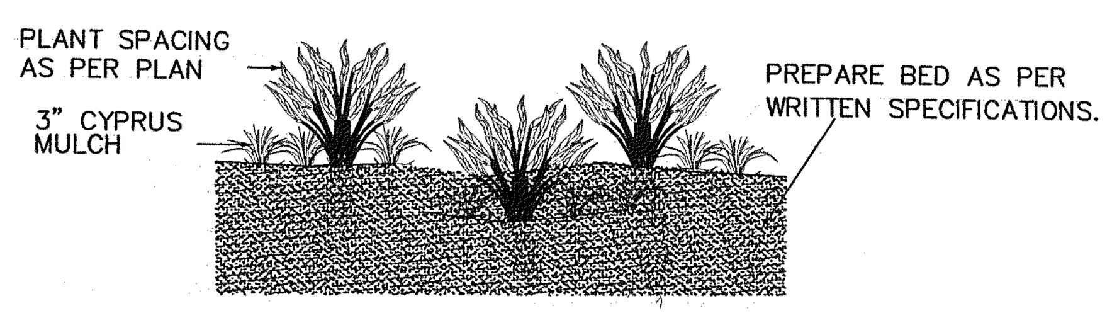




NORTH



SHRUB PLANTING



GROUNDCOVER PLANTING

AREA CALCULATIONS

DISTRICT AREA	RU-1
LOT AREA	10,000 SQ. FT.
PROPOSE NEW HOUSE	1,694 SQ. FT.

SETBACKS FOR PROPERTY

	REQUIRED	PROPOSED
FRONT SETBACK	25'-0"	25'-0"
REAR SETBACK	25'-0"	35'-7"
SIDE SETBACK	15'-0"	41'-0"
SIDE SETBACK	10'-0"	15'-0"

MAXIMUM BUILDING FOOTPRINT

	REQUIRED	PROPOSED
FOOT PRINT PROPOSED	2,800 SQ. FT	1,694 SQ. FT

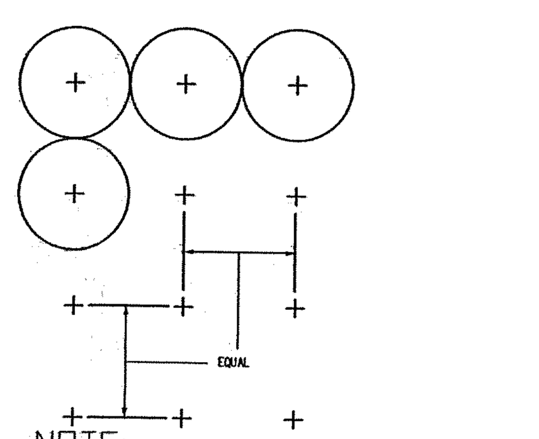
GREEN AREA

MINIMO GREEN AREA 15% REQ.	
PROPOSED GREEN AREA	7,406 SQ. FT.

LEGAL DESCRIPTION

LOT 8, BLOCK 10 "GOULDS ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 46, AT PAGE 94 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

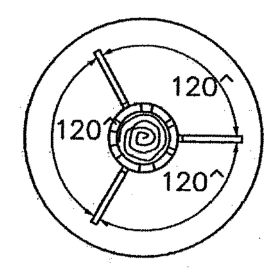
NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION



NOTE:
In most cases truangular spacing is prefered. Use sguare spacing only in small rectilinear areas.

SQUARE SPACING

PLANT SPACING (for shrubs and groundcovers)
NOT TO SCALE



BATTEN DETAIL

LANDSCAPE ORDINANCE 98-13

*

* 3 TREES PER ACRE OF NET LOT AREA 10,000 S.F. / 43,560 = 0.23 ACRES x 9 = 2.07
2 TREES PER LOT

* ST. TREES REQ. SPACED AT AVERAGE OF 35' ON CENTER LOT FRONTAGE = 100.0' / 35 = 2.8 =3

* TOTAL TREES REQUIRED IS 1 OF REQUIRED TREES, 30 % (1 x .30 = 0.3) SHALL BE NATIVE SPECIES AND 20 % (1 x .20 = 0.2) OF THE REQUIRED NATIVE

* TREES PLANTED ON PRIVATE PROPERTY WITHIN 7' OF R.O.W. CAN BE COUNTED TOWARDS STREET TREES.

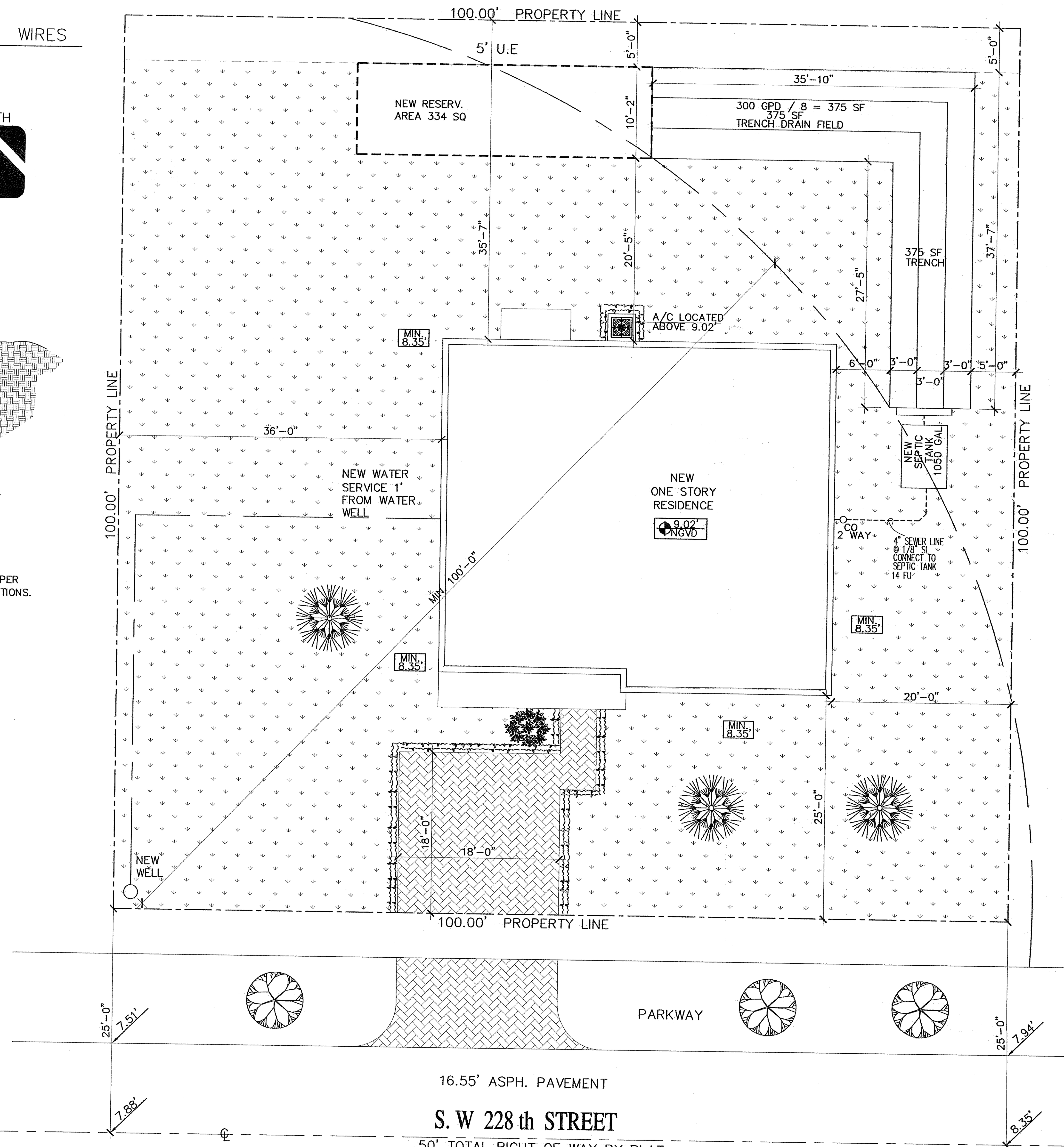
* 10 SHRUBS PER TREE REQUIRED - 5 x 10 = 50 SHRUBS / HEDGES REQUIRED PROVIDED = 50

* A/C COMPRESSORS SHALL BE SCREENED EITHER WITH TREES OR HEDGES.

NOTE:
BALANCE OF LOT CAN BE WITH LANDSCAPE MATERIAL / FEATURES.

GENERAL LANDSCAPING SCHEDULE:

SYMBOL	NEW	EXIST.	TREE NAME SCIENTIFIC	TREE NAME COMMON	NATIVE SPECIES YES/NO	MAX. HEIGHT	CANOPY DIAMETER	DESCRIPTION
	3	-	SWIETENIA MAHOGANY	MAHOGANY	Y	35'-60'	20'	12'-14'o.a/6'-8'sp/2\cal
	3	-	QUERCUS VIRGINIANA	OAK,LIVE	Y	50'-60'	20'	12'-14'o.a/6'-8' sp/2\"CAL
TOTAL	6							
	30			IXORA SPP.	N			24"
	30		CALLICARPA AMERICANA	BEAUTY-BERRY	Y	4'-8'		30"-40"/FULL/24"o.c



SITE PLAN
SC: 1/8"=1'

REVISIONS:

REV.1
REV.2
REV.3

ADONAI design & const, inc.
CLAUDIO A JOFRE / CONSULT. ENG. REG# 28531
Phone: (305) 263 8085 / Fax: (305) 263 8064
2867 SW 69 COURT MIAMI, FLORIDA 33155

NEW RESIDENCE
CLIENT: YAIMI DIAZ CAMPO
ADDRESS: 11721 SW 228 ST MIAMI,FLORIDA

OWNER INFORMATION:
NAME: YAIMI DIAZ
ADDRESS: 13203 SW 252 LN MIAMI GARDENS,FL 33055
PHONE: (305) 441-1365

Job No.: SITE PLAN
Drawn By: CG
Scale: 1/8"=1'
Date: 11/11

SP