



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM (OSTDS)

PERMIT NO. _____
DATE PAID: _____
FEE PAID: _____
RECEIPT #: _____

APPLICATION FOR CONSTRUCTION PERMIT

APPLICATION FOR:

☐ New System ☒ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐ _____

APPLICANT: Juan Alberto Mazzini EMAIL: westlandplumbingseptic@yahoo.com

AGENT: Westland Plumbing Corp TELEPHONE: 305-342-5767

MAILING ADDRESS: 101 W 24th St, Hialeah, FL 33010

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 OSTDS REMEDIATION PLAN? ☐ Y ☐ N

LOT: 10 BLOCK: 4 SUBDIVISION: Third Addn to Kendall East PLATTED: 1971

PROPERTY ID #: 20-5002-043-0100 ZONING: SFR I/M OR EQUIVALENT: ☐ Y ☒ N

PROPERTY SIZE: 35 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☒ <=2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y ☒ N DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 10300 SW 70 Ave, Pinecrest, FL 33156

DIRECTIONS TO PROPERTY: Take 828-S and merge onto Pinecrest Pkwy, left onto SW 104th St, left onto SW 70th Ave, destination is on the left

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table I, Chapter 62-6, FAC
1	Single Family Home	3	2,650 A/C	Existing system for addition of Den with
2	Addition		1,653 A/C	bathroom
3	Total	3	4,303 A/C	
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

Miami Dade County Department of Regulatory and Economic Resources - Job Copy
20240608996 7/11/2024 5:23:24 PM DATE: 03/14/2024
10300 SW 70 Ave Existing System.pdf
Examiner 4015, 0001-2000 (Stamps and signatures which may not be used)
TOLEDO, GABRIEL 3/21/2024 1:05:12 PM HRS Approved
Incorporated 62-6.004, FAC

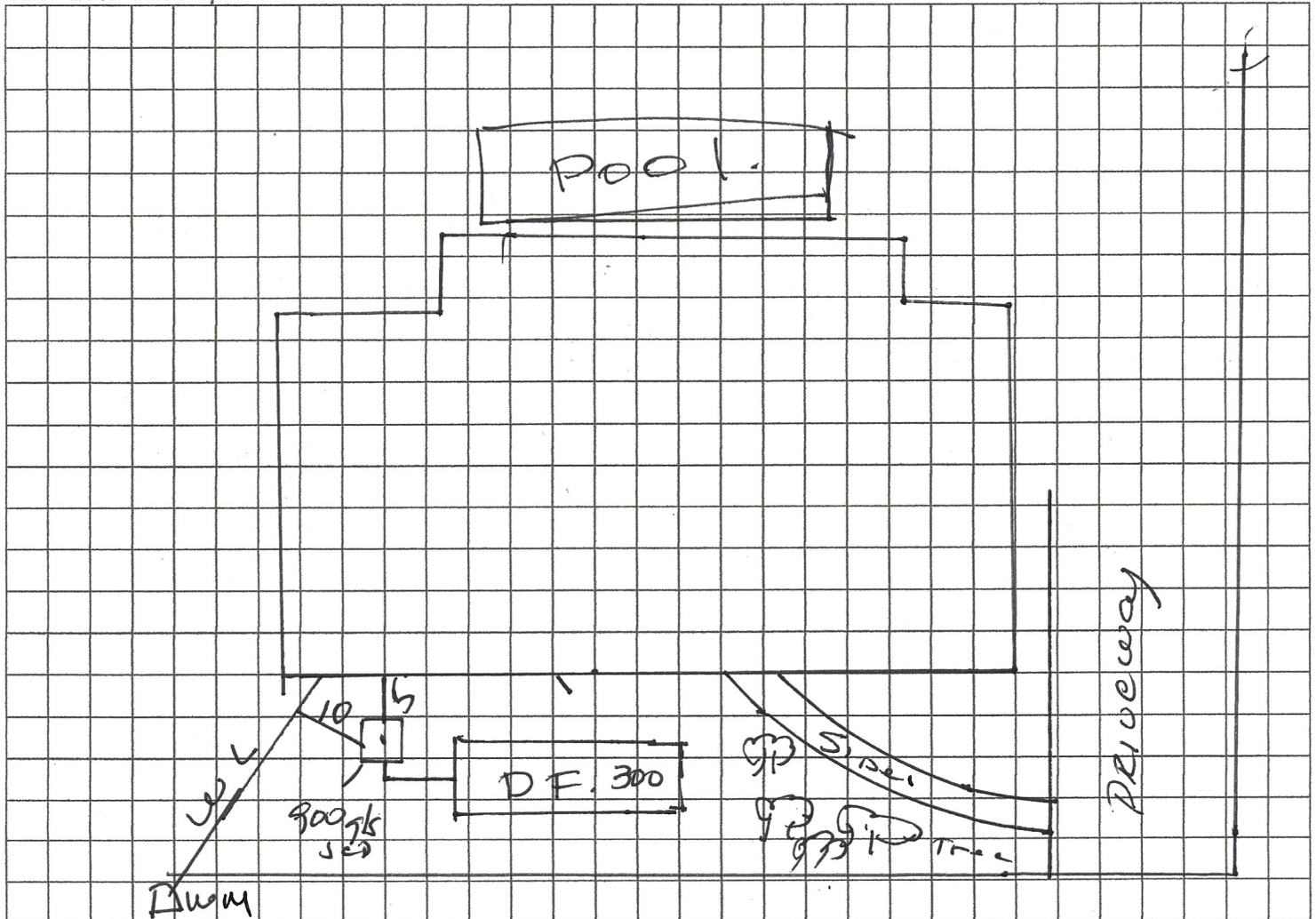
10300 SW 70
Ave.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number _____

----- PART II - SITEPLAN -----

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes: EXISTING 900 g/s Septic WITH 300 SQ FT DF.
Existing system for addition of Den with bathroom

Site Plan submitted by: *Carlos M. Cobos* Carlos M. Cobos
Plan Approved _____ Not Approved _____ Date 03/14/2024
By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
EXISTING SYSTEM AND SYSTEM REPAIR EVALUATION

PERMIT # _____

APPLICANT: Juan Alberto Mazzini

CONTRACTOR / AGENT: Westland Plumbing Corp

LOT: 10 BLOCK: 4 SUBDIV: Third Addn to Kendall East ID#: 2050020430100

TO BE COMPLETED BY FLORIDA REGISTERED ENGINEER, DEPARTMENT EMPLOYEE, SEPTIC TANK CONTRACTOR OR OTHER CERTIFIED PERSON. SIGN AND SEAL ALL SUBMITTED DOCUMENTS. COMPLETE ALL APPLICABLE ITEMS. COMPLETE TANK CERTIFICATION BELOW OR NOTE IN REMARKS WHY THE TANKS CANNOT BE CERTIFIED.

EXISTING TANK INFORMATION

[900]	GALLONS SEPTIC TANK/GPD ATU	LEGEND: <u>N/A</u>	MATERIAL: <u>Concrete</u>	BAFFLED: [Y / ☒ N]
[]	GALLONS SEPTIC TANK/GPD ATU	LEGEND: _____	MATERIAL: _____	BAFFLED: [Y / ☐ N]
[]	GALLONS GREASE INTERCEPTOR	LEGEND: _____	MATERIAL: _____	
[]	GALLONS DOSING TANK	LEGEND: _____	MATERIAL: _____	# PUMPS: []

I CERTIFY THAT THE LISTED TANKS WERE PUMPED ON 03 / 14 / 24 BY Westland Plumbing Corp, HAVE THE VOLUMES SPECIFIED AS DETERMINED BY [DIMENSIONS / FILLING / LEGEND], ARE FREE OF OBSERVABLE DEFECTS OR LEAKS, AND HAVE A [SOLIDS DEFLECTION DEVICE / OUTLET FILTER DEVICE] INSTALLED.

SIGNATURE OF LICENSED CONTRACTOR [Signature] BUSINESS NAME Westland Plumbing Corp DATE 03/14/2024

EXISTING DRAINFIELD INFORMATION

[300]	SQUARE FEET PRIMARY DRAINFIELD SYSTEM	NO. OF TRENCHES []	DIMENSIONS: <u>15</u> x <u>20</u>
[]	SQUARE FEET _____ SYSTEM	NO. OF TRENCHES []	DIMENSIONS: _____ x _____
TYPE OF SYSTEM:	☒ STANDARD [] FILLED [] MOUND []		
CONFIGURATION:	[] TRENCH ☒ BED []		
DESIGN:	[] HEADER [] D-BOX ☒ GRAVITY SYSTEM [] DOSED SYSTEM		
ELEVATION OF BOTTOM OF DRAINFIELD IN RELATION TO NATURAL GRADE <u>24</u> INCHES [ABOVE / <u>BELOW</u>]			

SYSTEM FAILURE AND REPAIR INFORMATION

[1971]	SYSTEM INSTALLATION DATE	TYPE OF WASTE ☒ DOMESTIC [] COMMERCIAL
[300]	GPD ESTIMATED SEWAGE FLOW BASED ON	[] METERED WATER ☒ TABLE I, 62-6, FAC
SITE	[] DRAINAGE STRUCTURES [] POOL [] PATIO / DECK [] PARKING	
CONDITIONS:	[] SLOPING PROPERTY []	
NATURE OF FAILURE:	[] HYDRAULIC OVERLOAD [] SOILS [] MAINTENANCE [] SYSTEM DAMAGE	
	[] DRAINAGE / RUN OFF [] ROOTS [] WATER TABLE []	
FAILURE SYMPTOM:	[] SEWAGE ON GROUND [] TANK [] D BOX/HEADER [] DRAINFIELD	
	[] PLUMBING BACKUP []	

REMARKS/ADDITIONAL CRITERIA 900 gl 9 x 4 x 3.5.

SUBMITTED BY: [Signature] TITLE/LICENSE CFC037110

DATE: 03/14/24

DEP 4015, 06-21-2022 (Obsoletes previous editions which may not be used)
Incorporated 62-6.004, FAC

Page 4 of 4

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



Ron DeSantis
Governor

Joseph A. Ladapo, MD, PhD
State Surgeon General

Vision: To be the Healthiest State in the Nation

WELL FORM

DOH# _____

Chapter 62-6.004(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 64.-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 64-6.002(44)(b), within 100 feet of the applicant lot must also be shown, or as defined in Chapter 64-6.002(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: 10300 SW 70 Ave, Pinecrest, FL 33156

Date: 03/14/2024

Signature: _____

Florida Department of Health

Division of Environmental Health and Engineering
Miami-Dade County
1725 NW 167th Street, Miami, FL 33056
PHONE: 786-654-6620 • Email: hrsdoeh@flhealth.gov
FloridaHealth.gov



Accredited Health Department
Public Health Accreditation Board

Miami Dade County Department of Regulatory and Economic Resources - Job Copy

2024008996 - 7/11/2024 6:23:24 PM

10300 SW 70 Ave Existing System.pdf

Examiner	Date Time Stamp	Trade Stamp Name
TOLEDO, GABRIEL	3/21/2024 1:05:12 PM	HRS Approved

LEGAL DESCRIPTION

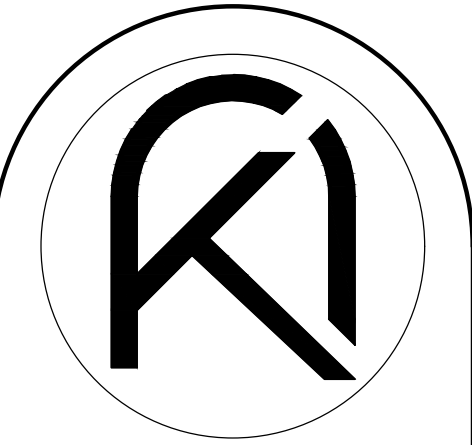
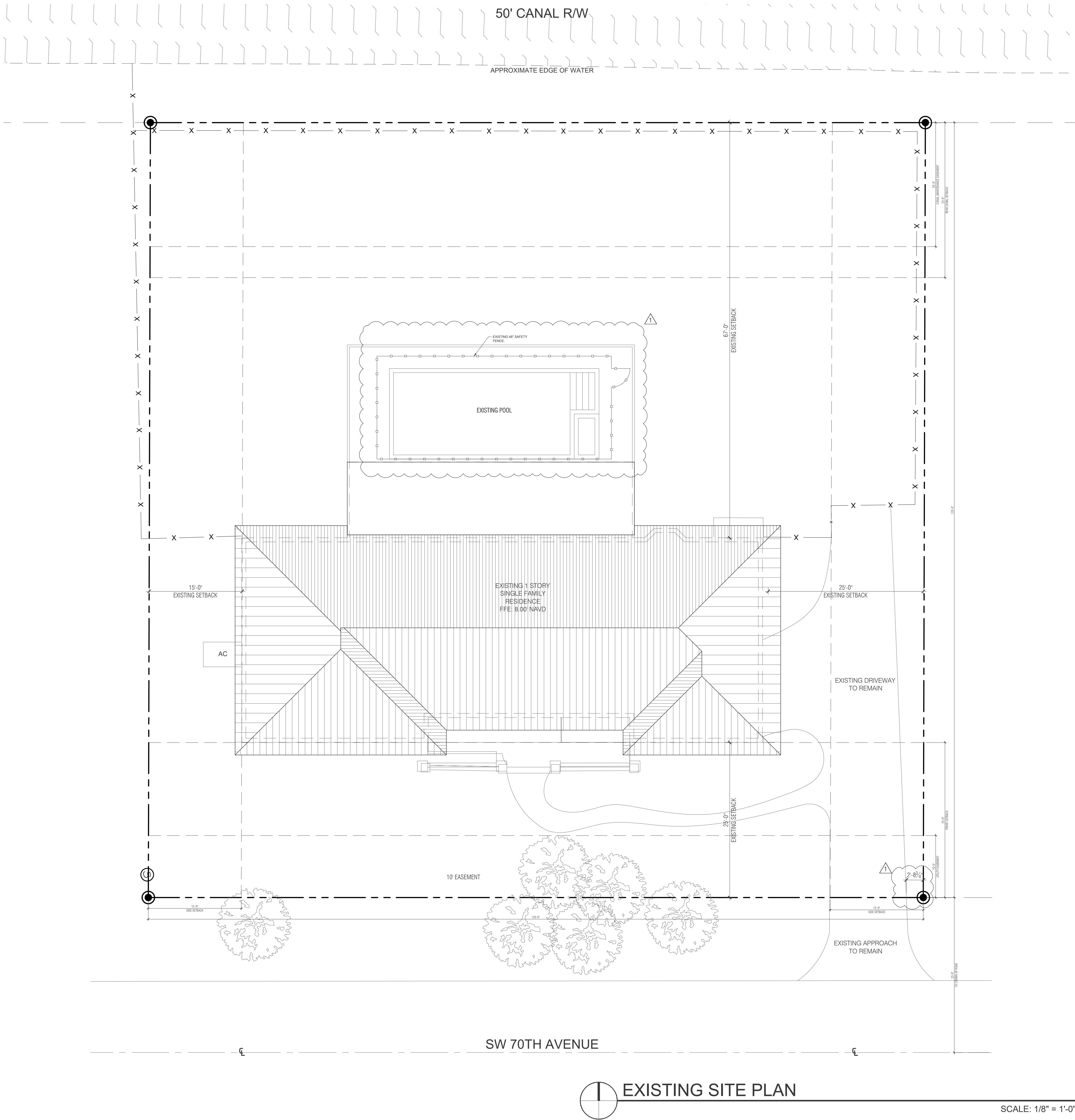
- THIRD ADDN TO KENDALL EAST, PB 90-49, LOT 10 BLK 4

GENERAL NOTES

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- CONTRACTOR TO COORDINATE CABINET INSTALLATION WITH ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL DRAWINGS AND CABINET SHOP DRAWINGS.
- CONTRACTOR TO COORDINATE ALL INTERIOR BUILT-INS AND INTERIOR FINISHES - FLOORING, CEILINGS, PAINT, PLASTIC LAMINATING, ETC. - COLOR AND STYLE WITH TENANT / OWNER PRIOR TO FABRICATION AND/OR INSTALLATION.
- ALL WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED WOOD

SAFEGUARD UNDER CONST.

- THIS PROJECT SHALL CONFORM TO ALL SAFEGUARD CONSTRUCTION REQUIREMENTS AS PER CHAPTER 33 OF THE 2020 F.B.C. AND ALL PREVAILING CODES UNDER THIS JURISDICTION
- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NATIONAL FIRE PROTECTION ASSOCIATION 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.
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- PER N.F.P.A. 1141 SECTION 3-9.6 AT LEAST ONE PORTABLE FIRE EXTINGUISHER HAVING A RATING OF AT LEAST 4-A, 30-BC SHALL BE WITHIN A TRAVEL DISTANCE OF 75 FT OR LESS TO ANY POINT OF A STRUCTURE UNDER CONSTRUCTION. PERSONNEL NORMALLY ON THE CONSTRUCTION SITE SHALL BE INSTRUCTED IN THE USE OF THE FIRE EXTINGUISHER PROVIDED.



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2490 CORAL WAY, SUITE 301
MIAMI, FL 33145
edgardo@thearkogroup.com
eduardo@thearkogroup.com
www.thearkogroup.com
p: 305.400.8133

ADDITION & RESTORATION FOR:
**MAZZINI & MELINE
RESIDENCE**
10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.02.09
11:07:37-05'00'



DRAWN BY
DATE 03.29.23
PROJECT MV
CHECKED BY EV
22-84

REVISIONS
10.06.23
BUILDING DEPARTMENT COMMENTS

EXISTING SITE
PLAN

CONSTRUCTION DOCUMENTS

A-1.00

SCALE: 1/8" = 1'-0"

LEGAL DESCRIPTION

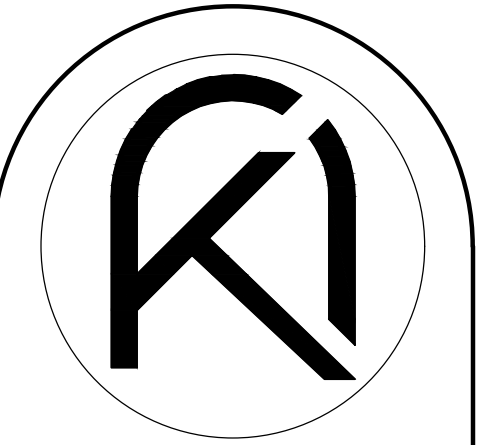
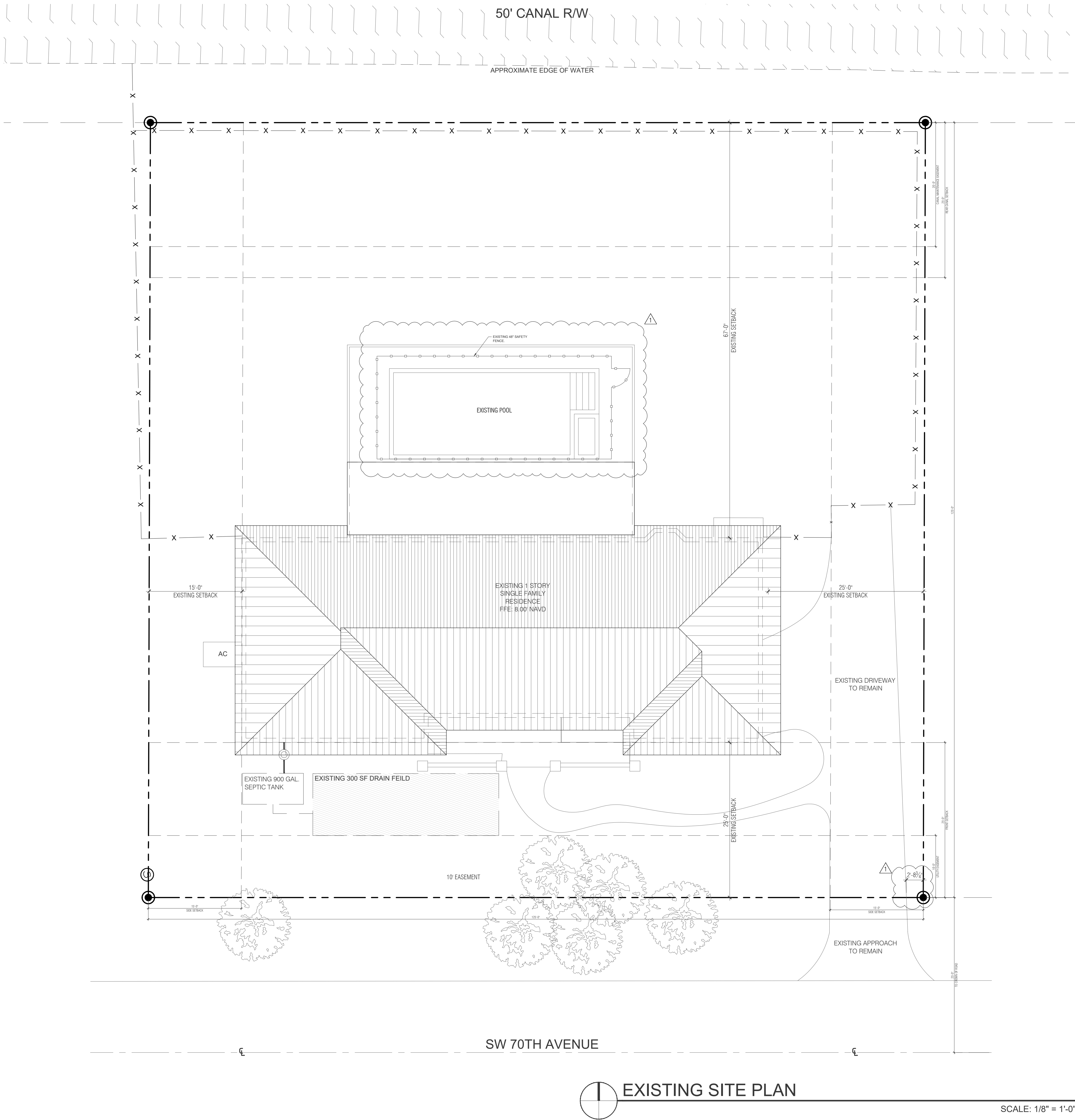
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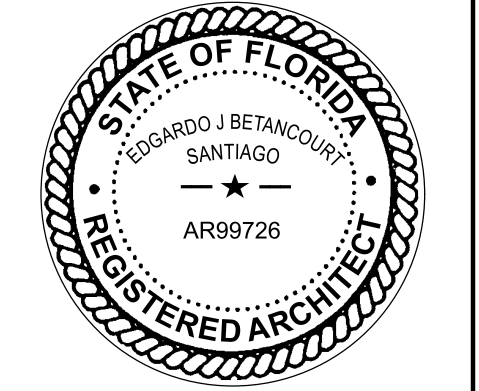
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Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.04.02
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DRAWN BY
DATE 03.29.23
PROJECT MV
CHECKED BY EV
PROJECT 22-84

REVISIONS
10.06.23
BUILDING DEPARTMENT COMMENTS

EXISTING SITE
PLAN

CONSTRUCTION DOCUMENTS

A-1.00

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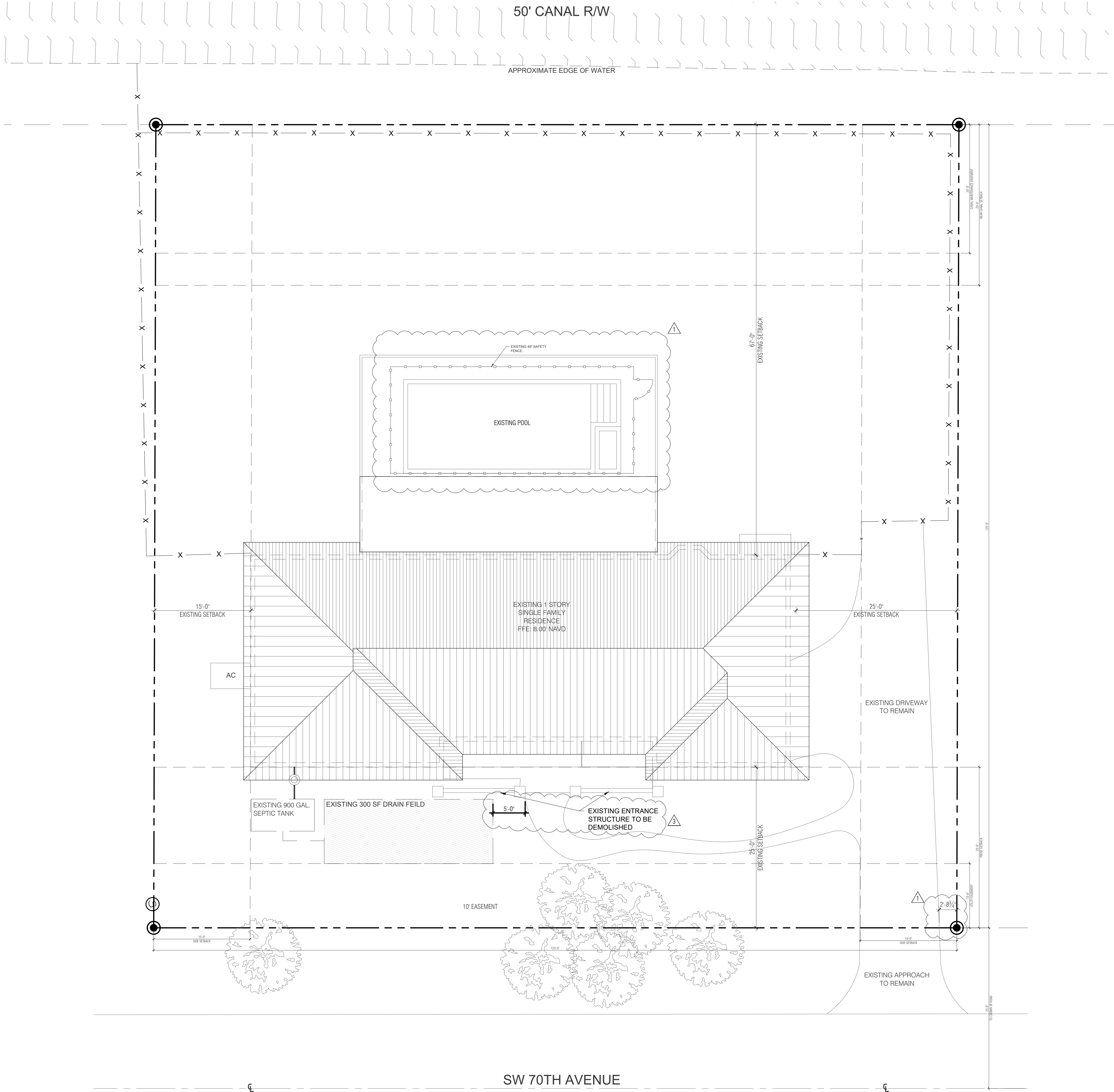
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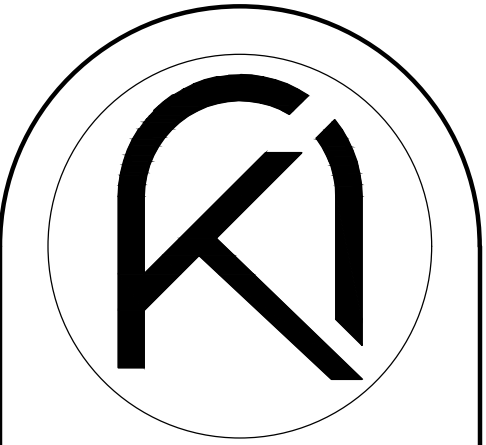
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EXISTING SITE PLAN

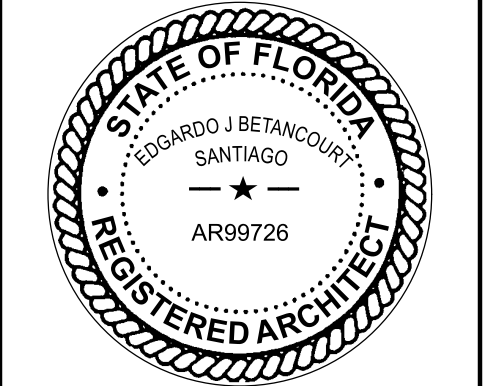
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15:37:23-04'00'



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CHECKED BY EV
PROJECT 22-84

REVISIONS	
10.06.23	BUILDING DEPARTMENT COMMENTS
06.12.24	BUILDING DEPARTMENT COMMENTS

EXISTING SITE
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CONSTRUCTION DOCUMENTS

A-1.00

THE ARCHITECT HEREBY EXPRESSLY RESERVES THE COPYRIGHT AND PROPERTY RIGHTS IN THESE PLANS. DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING WRITTEN PERMISSION AND CONSENT. NO REVISIONS OR ERRATA'S APPLICABLE TO THE JURISDICTION OF WHICH IT IS BEING CONSTRUCTED IN.

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Examiner
GUILLARTE, YAILYN
TOLEDO, GABRIEL

2/21/2024 11:01:41 AM
2/2/2024 2:59:42 PM

Trade Stamp Name
DERM
HRS
Void

ZONING LEGEND

ADDRESS: 10300 SW 70TH AVENUE, MIAMI, FL 33156

1. ZONING DESIGNATION	EU-M		
2. LOT AREA	15,625 SF / 0.34 AC.		
3. LOT COVERAGE	ALLOWED/REQUIRED	EXISTING	PROPOSED
30% MAX. BUILDING COVERAGE	4,687 SF	3,206 SF	3,430 SF (22%)
4. IMPERVIOUS SURFACE RATIO (I.S.R.)			
65% MAX	10,156 SF	4,905 SF	5,915 SF (37.8%)
5. MAX. GREEN SPACE			
55% MIN.	8,593 SF	10,719 SF	9,79 SF (62.1%)
6. SETBACKS			
FRONT (EAST)	25'-0"	25'-0"	25'-0"
SIDE (NORTH)	15'-0"	16'-0"	15'-0"
SIDE (SOUTH)	15'-0"	25'-0"	15'-0"
REAR (WEST)	25'-0"	67'-0"	25'-0"
7. BUILDING HEIGHT	1 STORY 35'-0" MAX.	16'	19'-8"
8. FLOOD ZONE	ZONE AE 10		

PROJECT SQUARE FOOTAGES

EXISTING A/C LIVING AREA: 2,650 SF
NEW A/C LIVING AREA: 1,653 SF
TOTAL NEW AREA UNDER ROOF: 4,303 SF

TYPE OF CONSTRUCTION

CONSTRUCTION TYPE - IIIB

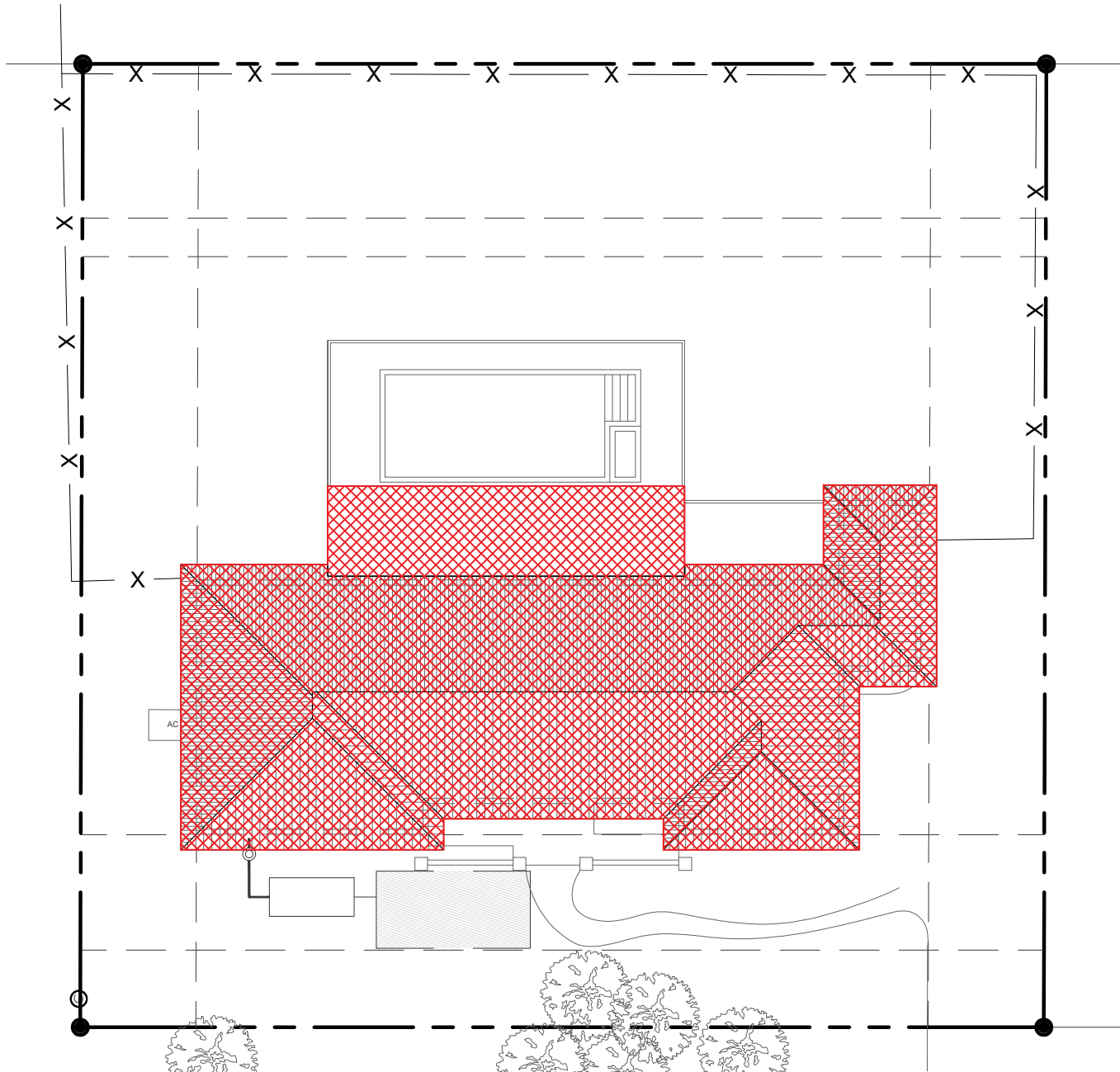
GOVERNING CODES

- GENERAL DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2020 EDITION WITH ALL REVISIONS AND ERRATA'S APPLICABLE TO THE JURISDICTION OF WHICH IT IS BEING CONSTRUCTED IN.
- FLORIDA EXISTING BUILDING CODE 2020 (FEBIC)
- FLORIDA RESIDENTIAL BUILDING CODE 2020 (FBC)
- FLORIDA BUILDING CODE 2020 (FBC)

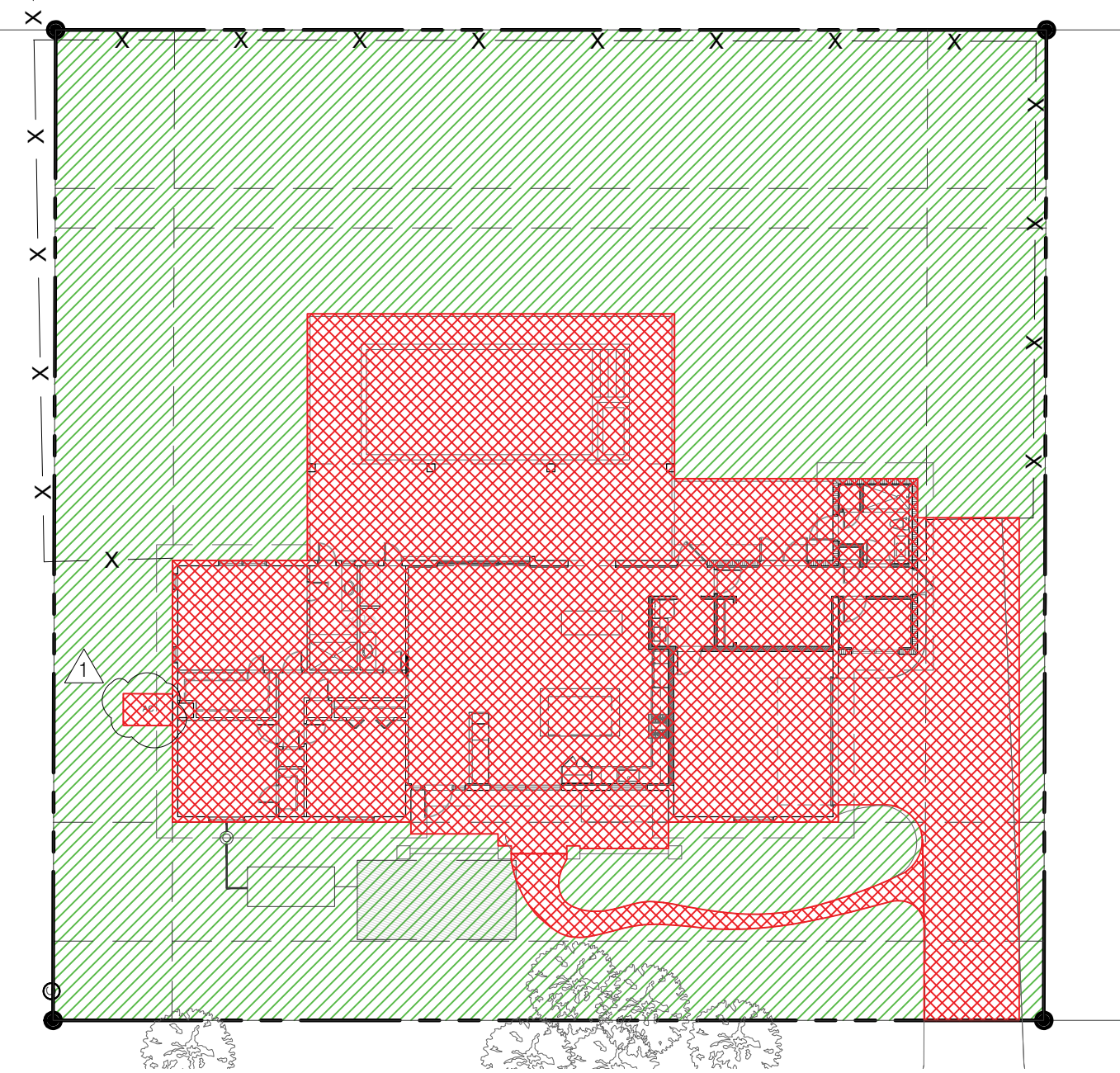
BUILDING AREAS

EXISTING A/C: 2,193 SF
EXISTING NON A/C (GARAGE): 458 SF
EXISTING NON A/C (COVERED TERRACE): 560
TOTAL: 3,211 SF

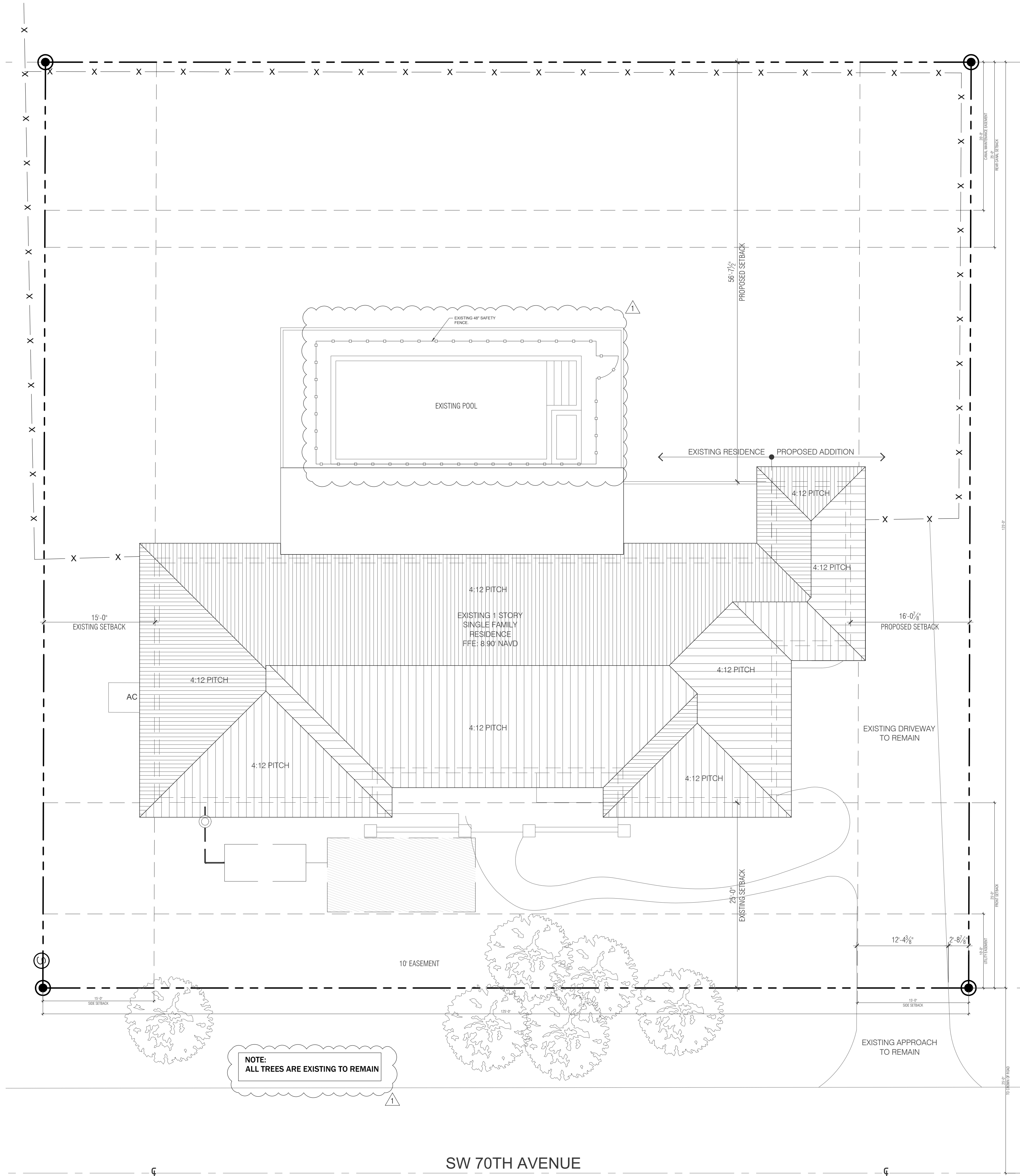
PROPOSED A/C: 2,422 SF
EXISTING NON A/C (GARAGE): 458 SF
EXISTING NON A/C (COVERED TERRACE): 560
TOTAL: 3,440 SF



BUILDING COVERAGE:
A/C SPACE: 2,421 SF
NON A/C SPACE: 1,009 SF
TOTAL: 3,430 SF (25%)



PERVIOUS COVERAGE:
9,709 SF (62.1%)
IMPERVIOUS COVERAGE:
5,915 SF (37.8%)



NOTE:
ALL TREES ARE EXISTING TO REMAIN

SW 70TH AVENUE

PROPOSED SITE PLAN

SCALE: 1/8" = 1'-0"

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156



DRAWN BY
DATE 03.29.23
MV
CHECKED BY
EV
PROJECT
22-84

REVISIONS

10.06.23
BUILDING DEPARTMENT COMMENTS

PROPOSED SITE
PLAN

CONSTRUCTION DOCUMENTS

A-1.01

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CONSTRUCTION TYPE - IIIB

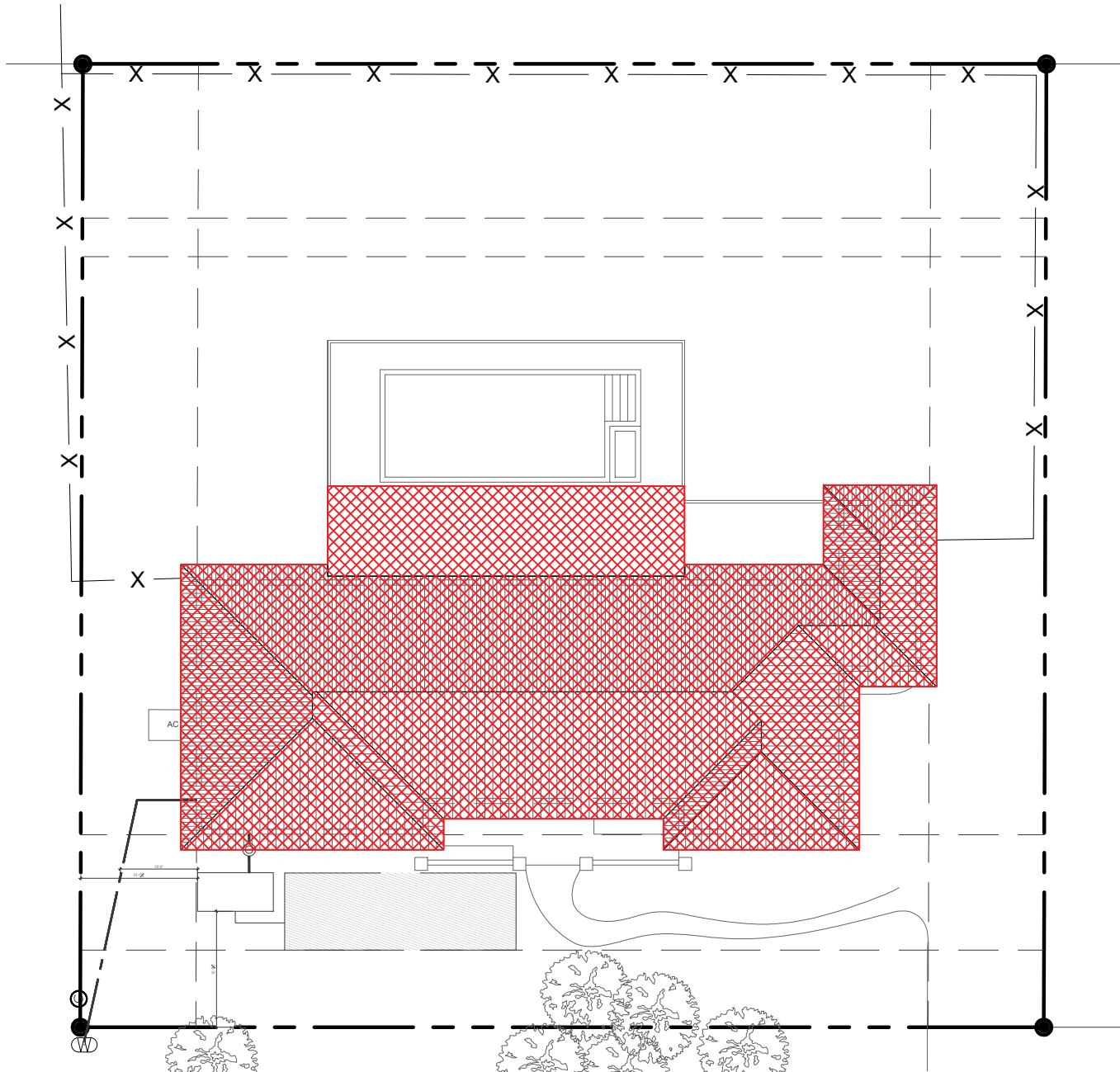
GOVERNING CODES

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- FLORIDA EXISTING BUILDING CODE 2020 (FEBG)
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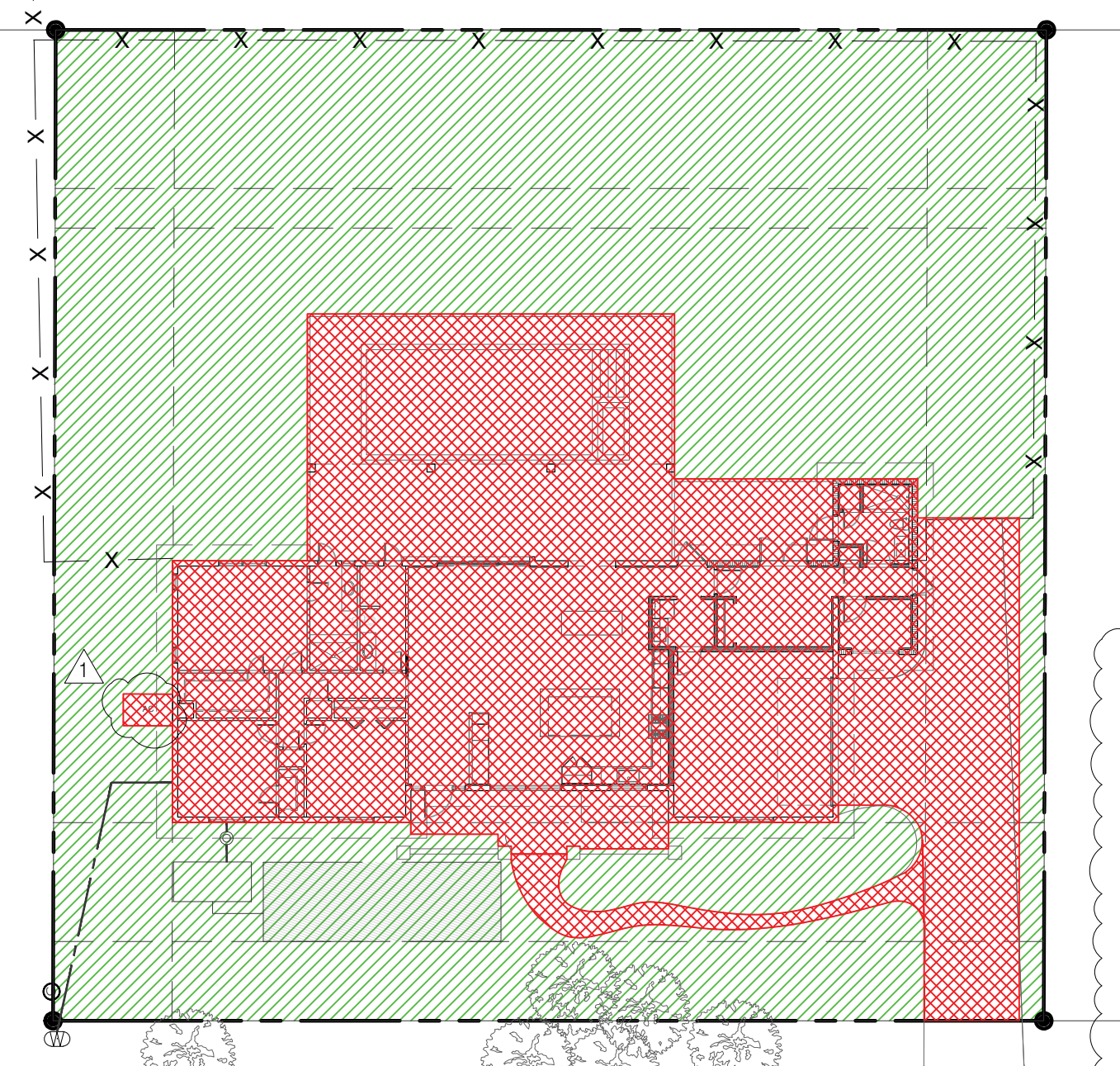
BUILDING AREAS

EXISTING A/C: 2,193 SF
EXISTING NON A/C (GARAGE): 458 SF
EXISTING NON A/C (COVERED TERRACE): 560
TOTAL: 3,211 SF

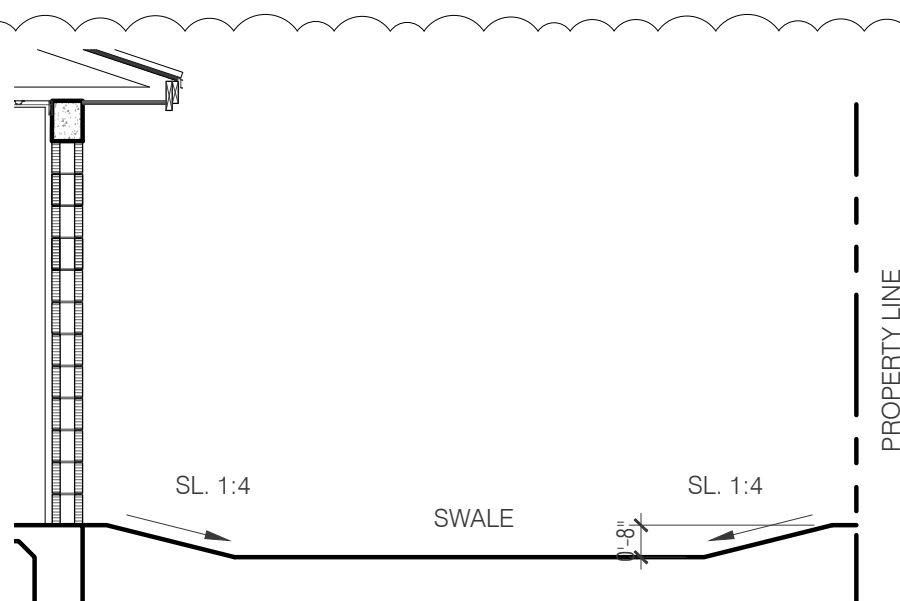
PROPOSED A/C: 2,422 SF
EXISTING NON A/C (GARAGE): 458 SF
EXISTING NON A/C (COVERED TERRACE): 560
TOTAL: 3,440 SF



BUILDING COVERAGE:
A/C SPACE: 2,421 SF
NON A/C SPACE: 1,009 SF
TOTAL: 3,430 SF (25%)

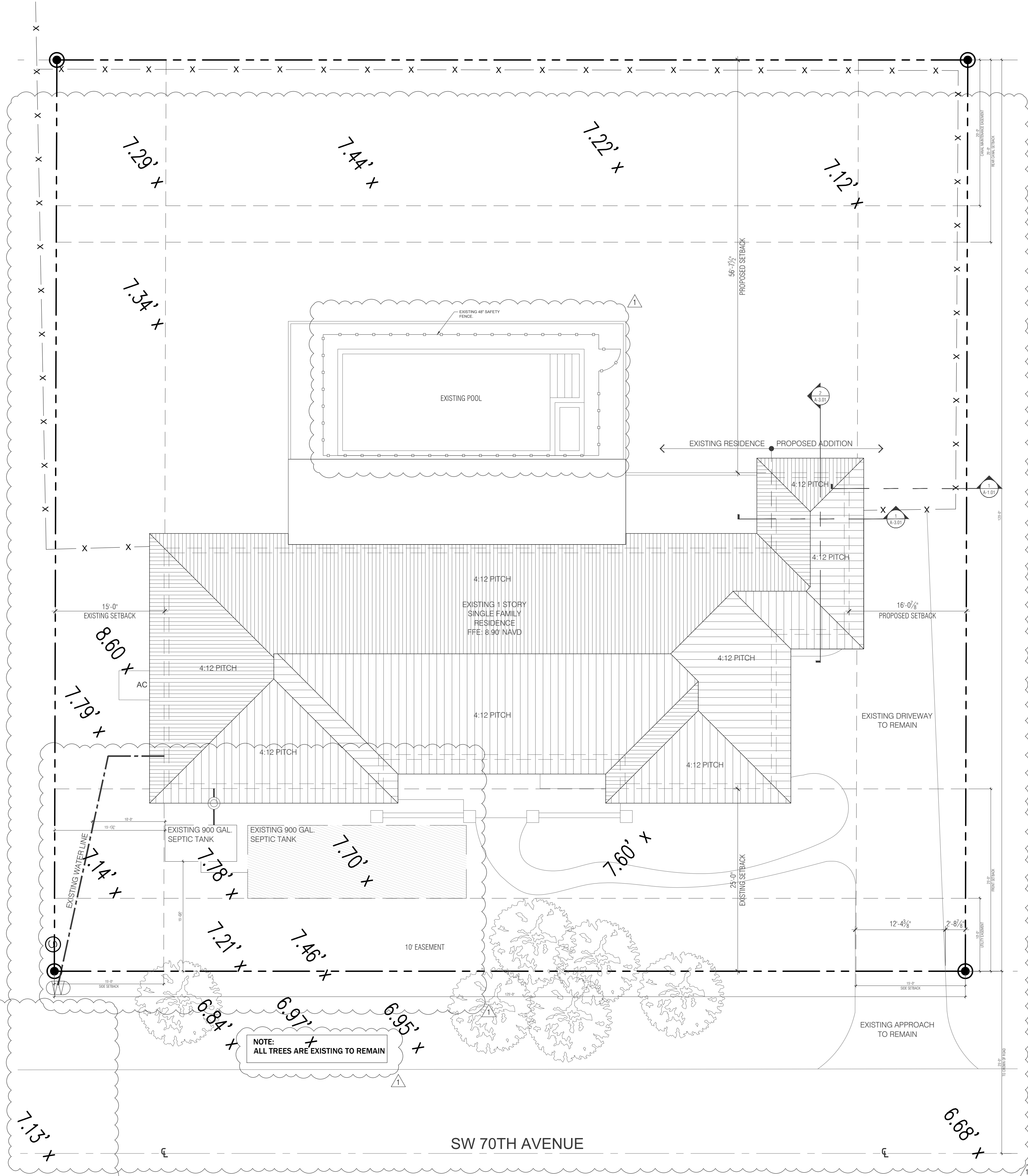


PERVIOUS COVERAGE: 9,709 SF (62.1%)
IMPERVIOUS COVERAGE: 5,915 SF (37.8%)



SECTION (STORMWATER RETENTION)

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



PROPOSED SITE PLAN

SCALE: 1/8" = 1'-0"

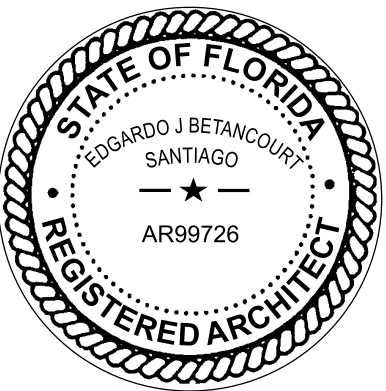
ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156

ES

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.03.18
18:01:59-0400'



DRAWN BY
DATE 03.29.23
MV
CHECKED BY
EV
PROJECT
22-84

REVISIONS

03.18.24
BUILDING DEPARTMENT COMMENTS

PROPOSED SITE PLAN

CONSTRUCTION DOCUMENTS

A-1.01

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A-1.01_V3.pdf

ZONING LEGEND

ADDRESS: 10300 SW 70TH AVENUE, MIAMI, FL 33156

1. ZONING DESIGNATION	EU-M		
2. LOT AREA	15,625 SF / 0.34 AC.		
3. LOT COVERAGE	ALLOWED/REQUIRED	EXISTING	PROPOSED
30% MAX. BUILDING COVERAGE	4,687 SF	3,206 SF	3,430 SF (22%)
4. IMPERVIOUS SURFACE RATIO (I.S.R.)			
65% MAX	10,156 SF	4,905 SF	5,915 SF (37.8%)
5. MAX. GREEN SPACE			
55% MIN.	8,593 SF	10,719 SF	9,79 SF (62.1%)
6. SETBACKS			
FRONT (EAST)	25'-0"	25'-0"	25'-0"
SIDE (NORTH)	15'-0"	16'-0"	15'-0"
SIDE (SOUTH)	15'-0"	25'-0"	15'-0"
REAR (WEST)	25'-0"	67'-0"	25'-0"
7. BUILDING HEIGHT	1 STORY 35'-0" MAX.		
8. FLOOD ZONE	ZONE AE 10		

PROJECT SQUARE FOOTAGES

EXISTING A/C LIVING AREA: 2,650 SF
NEW A/C LIVING AREA: 1,653 SF
TOTAL NEW AREA UNDER ROOF: 4,303 SF

TYPE OF CONSTRUCTION

CONSTRUCTION TYPE - IIIB

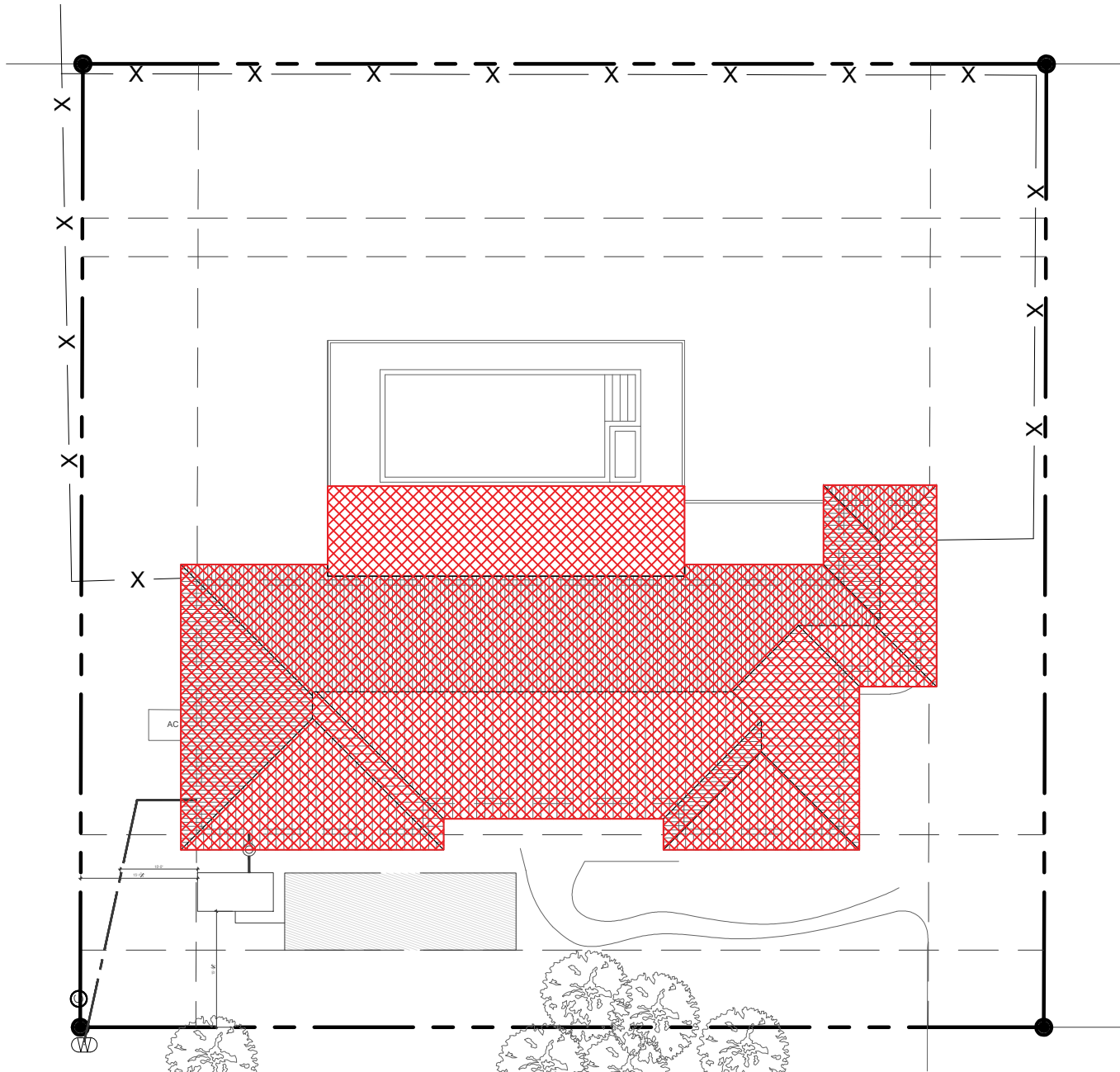
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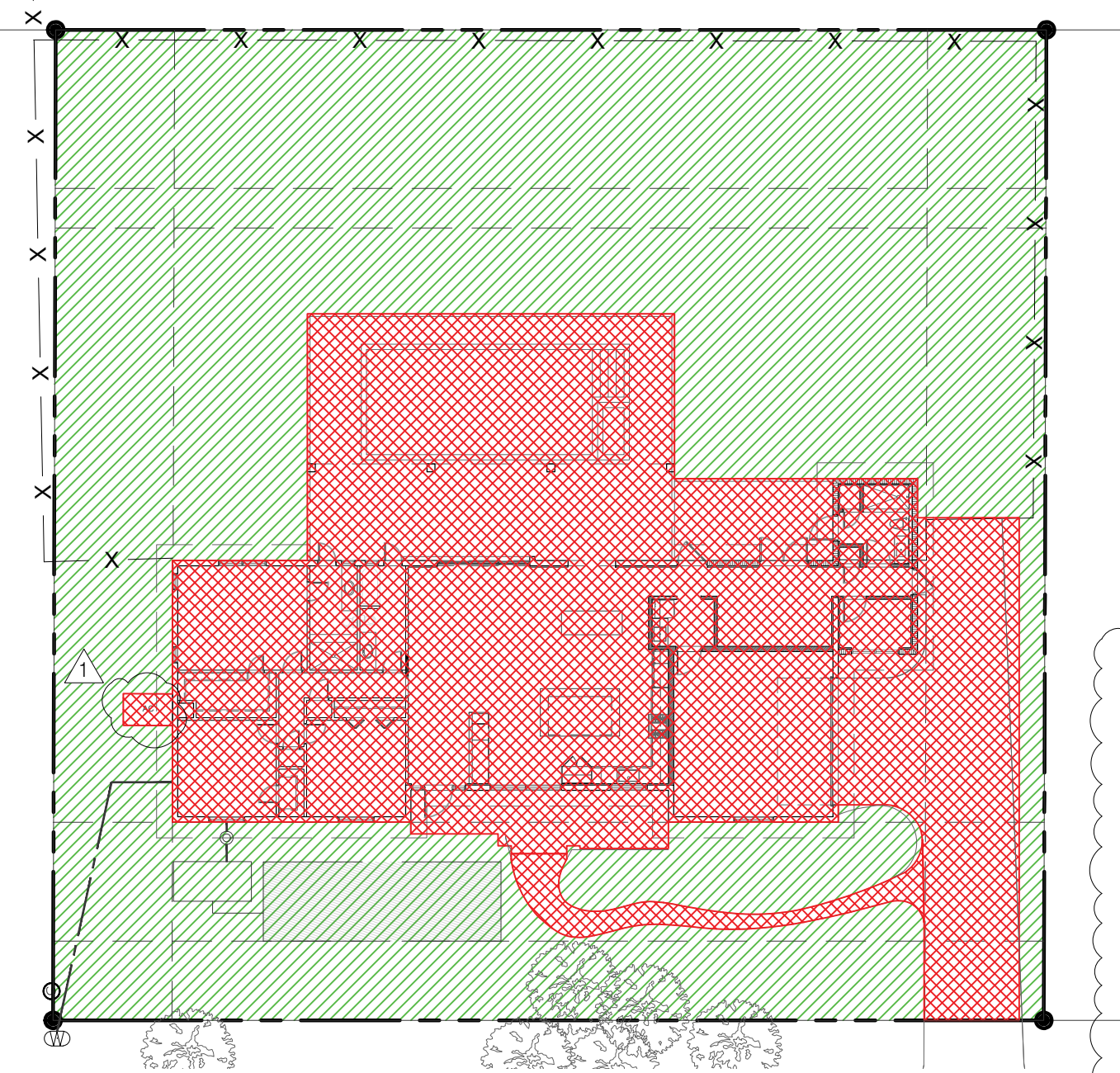
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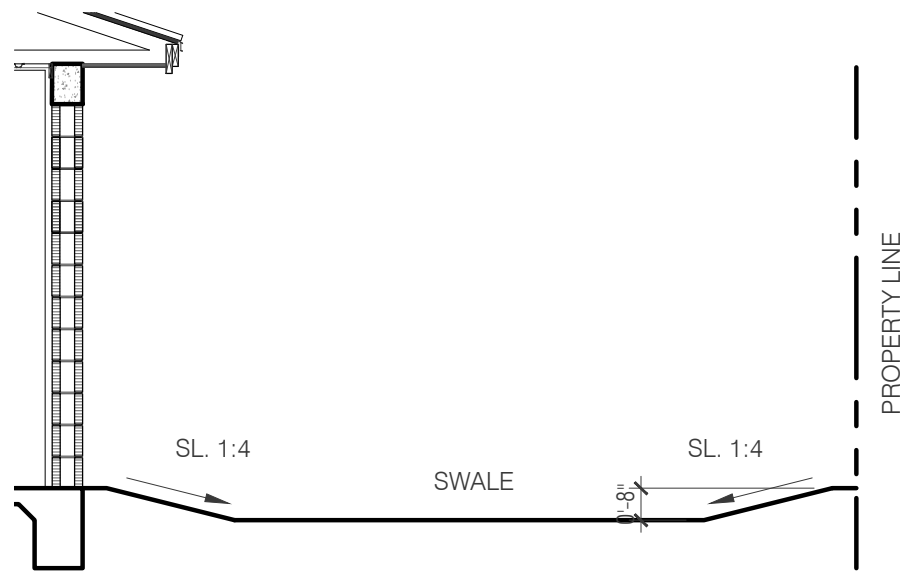
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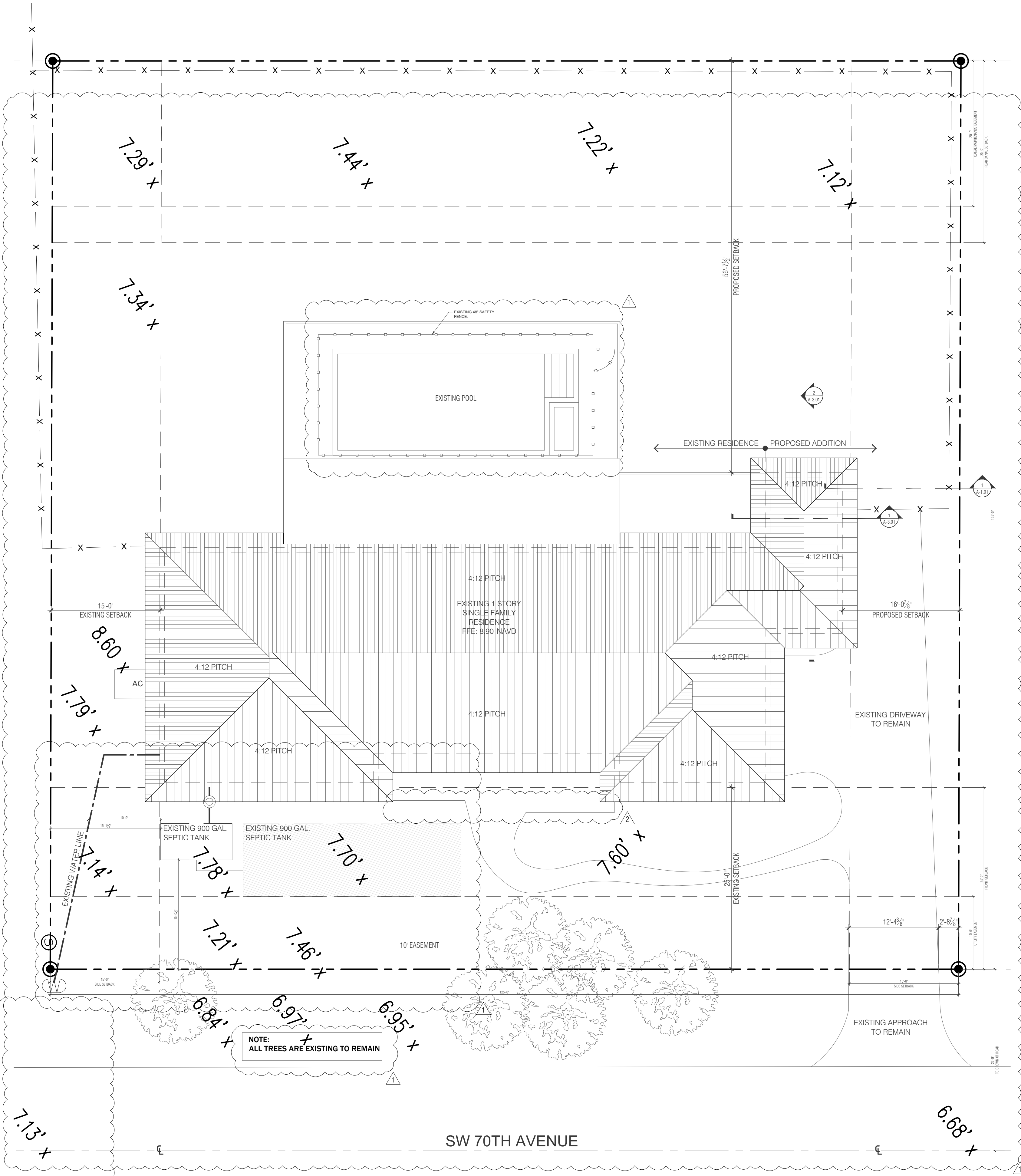


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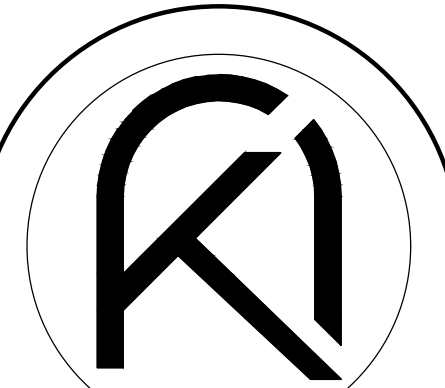
SECTION (STORMWATER RETENTION)

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



PROPOSED SITE PLAN

SCALE: 1/8" = 1'-0"



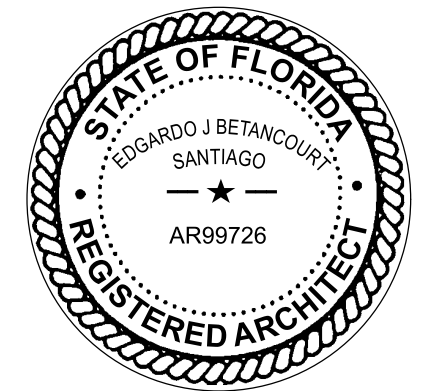
2490 CORAL WAY, SUITE 301
MIAMI, FL 33145
edgardo@thearkgroup.com
eduardo@thearkgroup.com
www.thearkgroup.com
p. 305.400.8133

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.04.02
09:49:58-04'00'



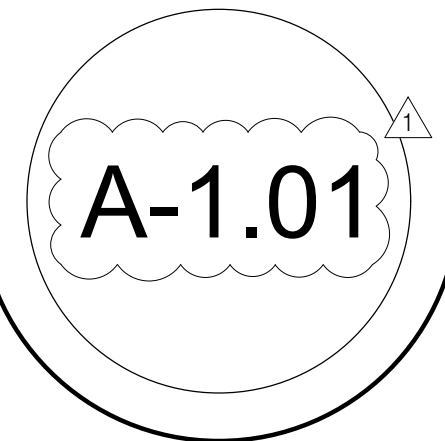
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DATE 03.29.23
MV
CHECKED BY
EV
PROJECT
22-84

REVISIONS

- 03.18.24
BUILDING DEPARTMENT COMMENTS
- 04.02.24
BUILDING DEPARTMENT COMMENTS

PROPOSED SITE PLAN

CONSTRUCTION DOCUMENTS



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Examiner
TOLEDO, GABRIEL

DATE: 7/2/2024 2:56:30 PM
HRS
Approved

ZONING LEGEND

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CONSTRUCTION TYPE - IIIB

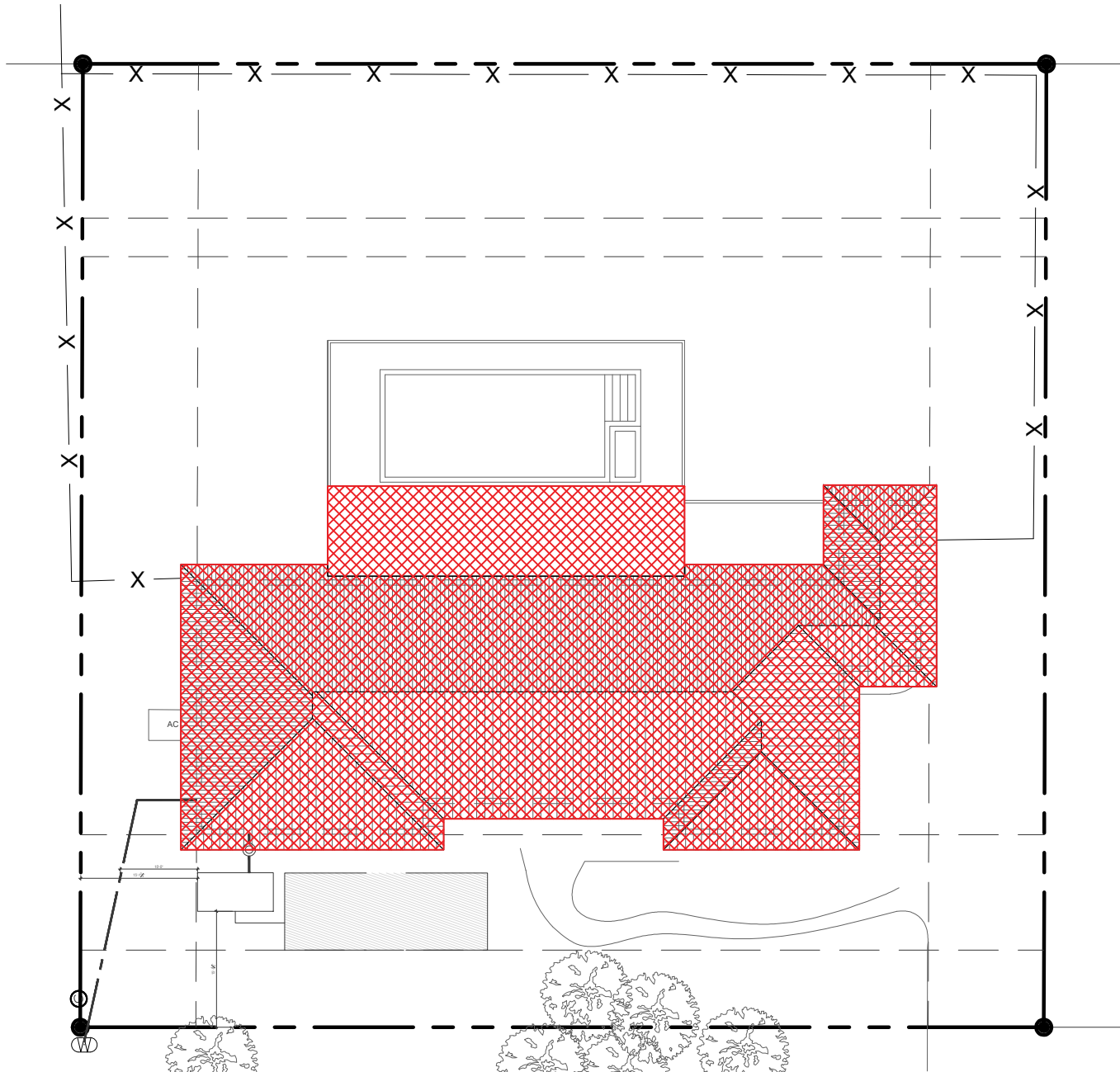
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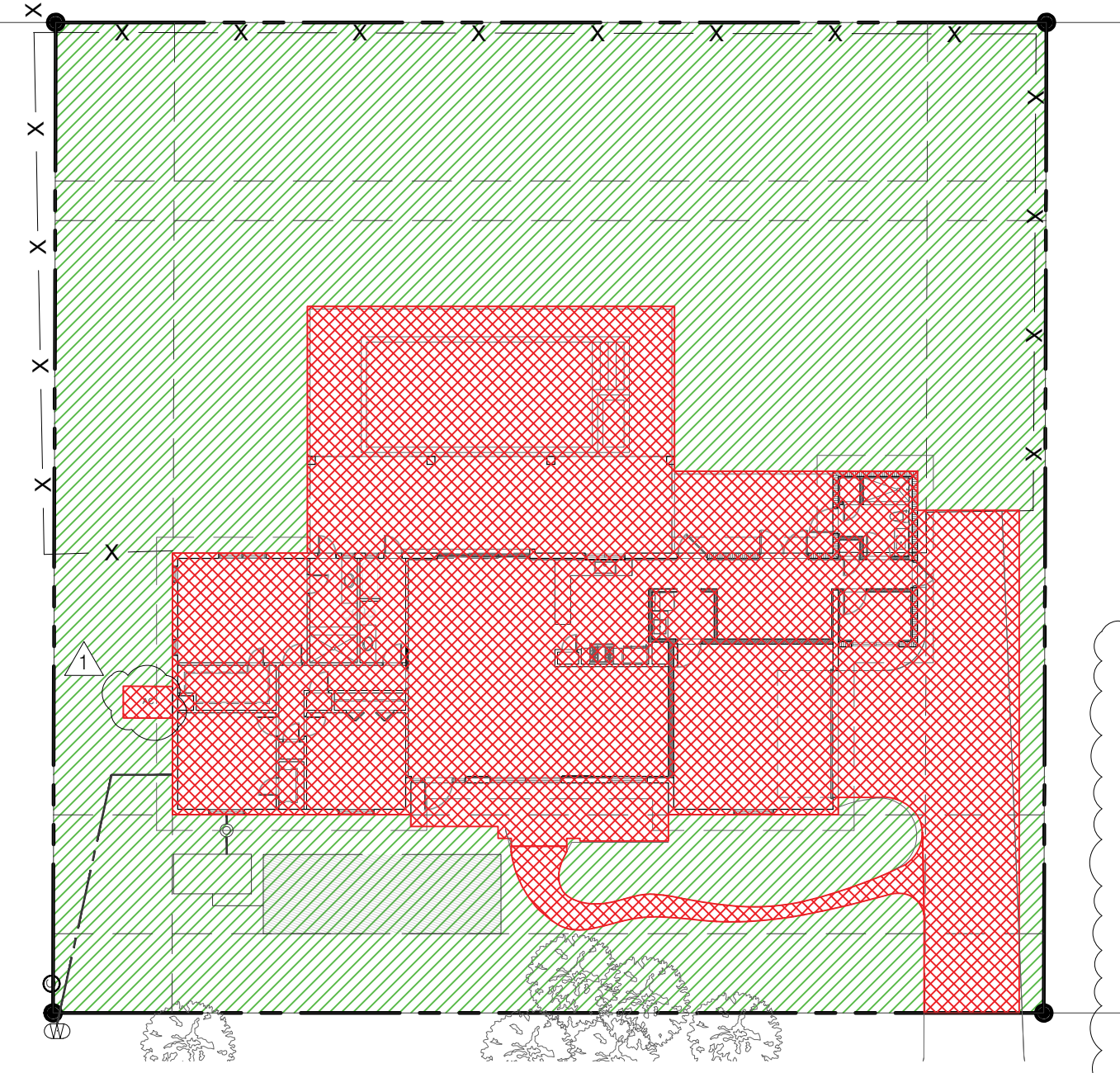
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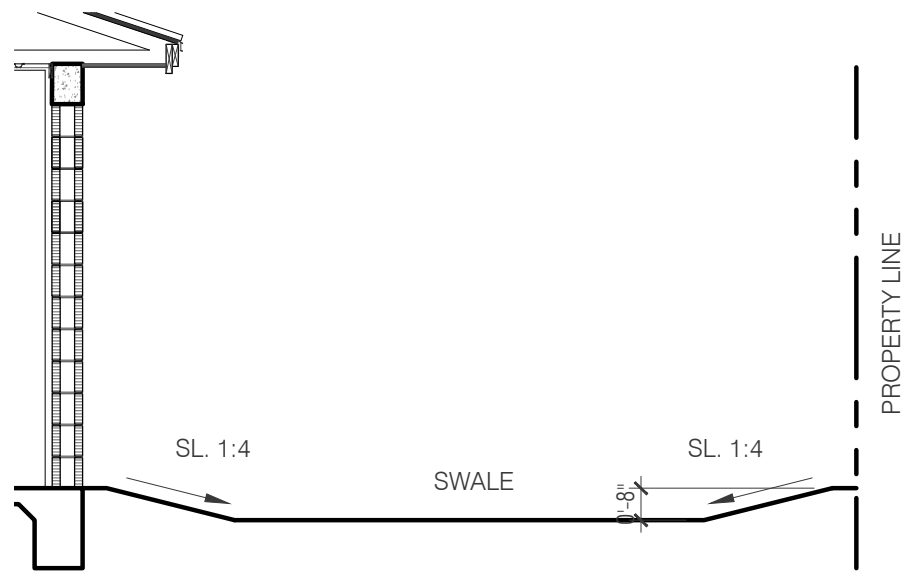
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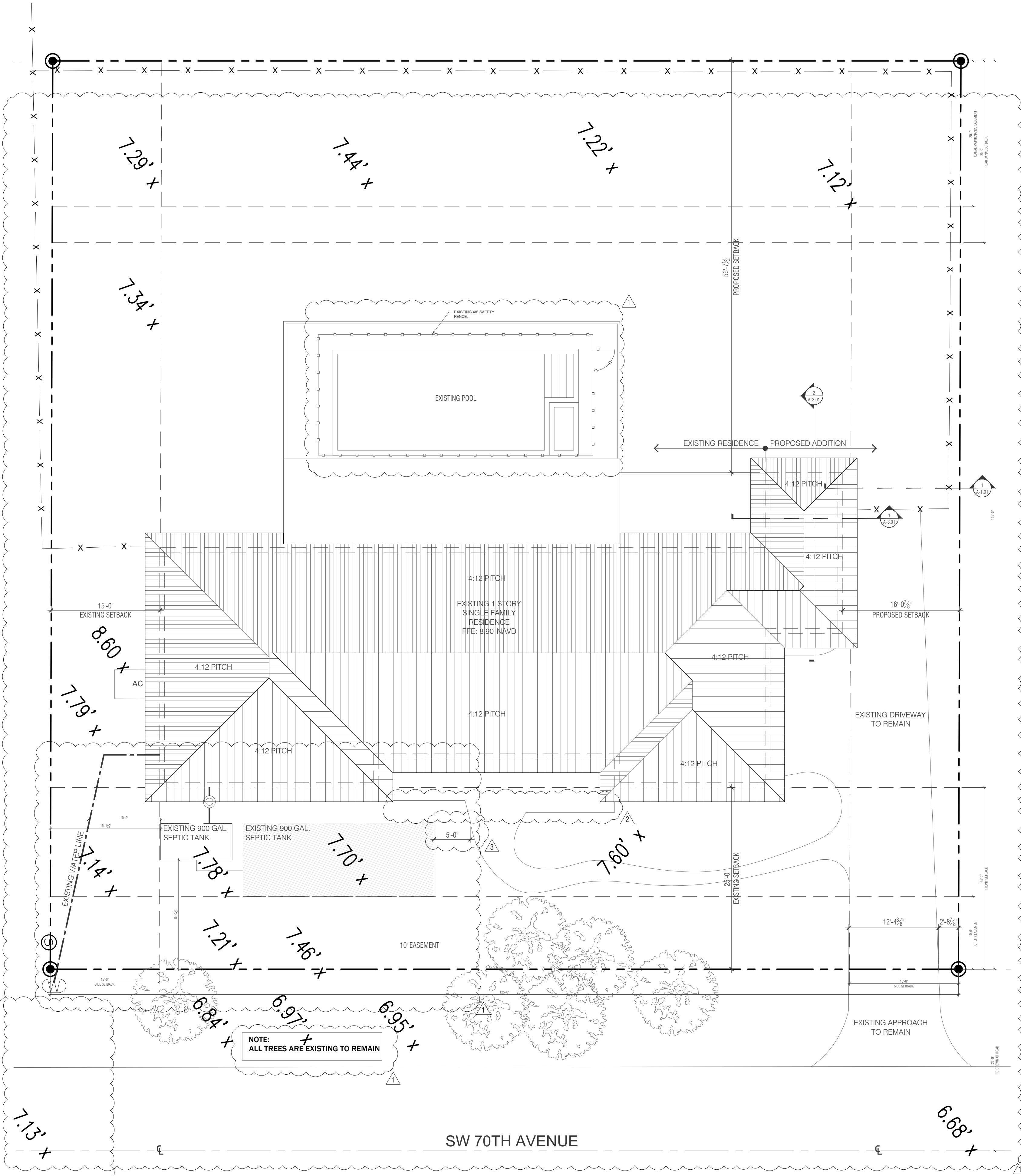


PERVIOUS COVERAGE: 9,709 SF (62.1%)



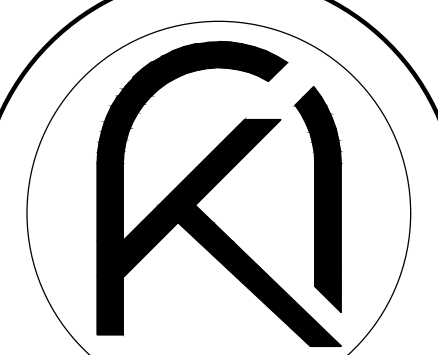
SECTION (STORMWATER RETENTION)

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



PROPOSED SITE PLAN

SCALE: 1/8" = 1'-0"



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www.thearkgroup.com
p: 305.400.8133

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MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.06.12
15:37:24-04'00'



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DATE 03.29.23 MV PROJECT
CHECKED BY 22-84 EV

REVISIONS

- 03.18.24
BUILDING DEPARTMENT COMMENTS
- 04.02.24
BUILDING DEPARTMENT COMMENTS
- 06.12.24
BUILDING DEPARTMENT COMMENTS

PROPOSED SITE PLAN

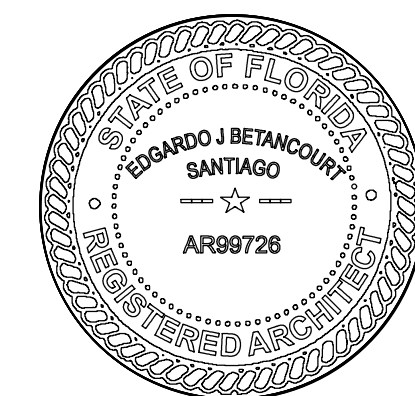
CONSTRUCTION DOCUMENTS

A-1.01

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	EV	

REVISIONS

10.06.23
BUILDING DEPARTMENT COMMENTS

PROPOSED FLOOR PLAN

CONSTRUCTION DOCUMENTS

A-1.02

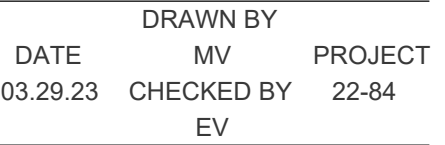


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Santiago
Date: 2024.03.18
18:02:00-04'00'



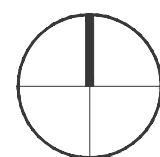
REVISIONS

03.18.24
BUILDING DEPARTMENT COMMENTS

PROPOSED FLOOR PLAN

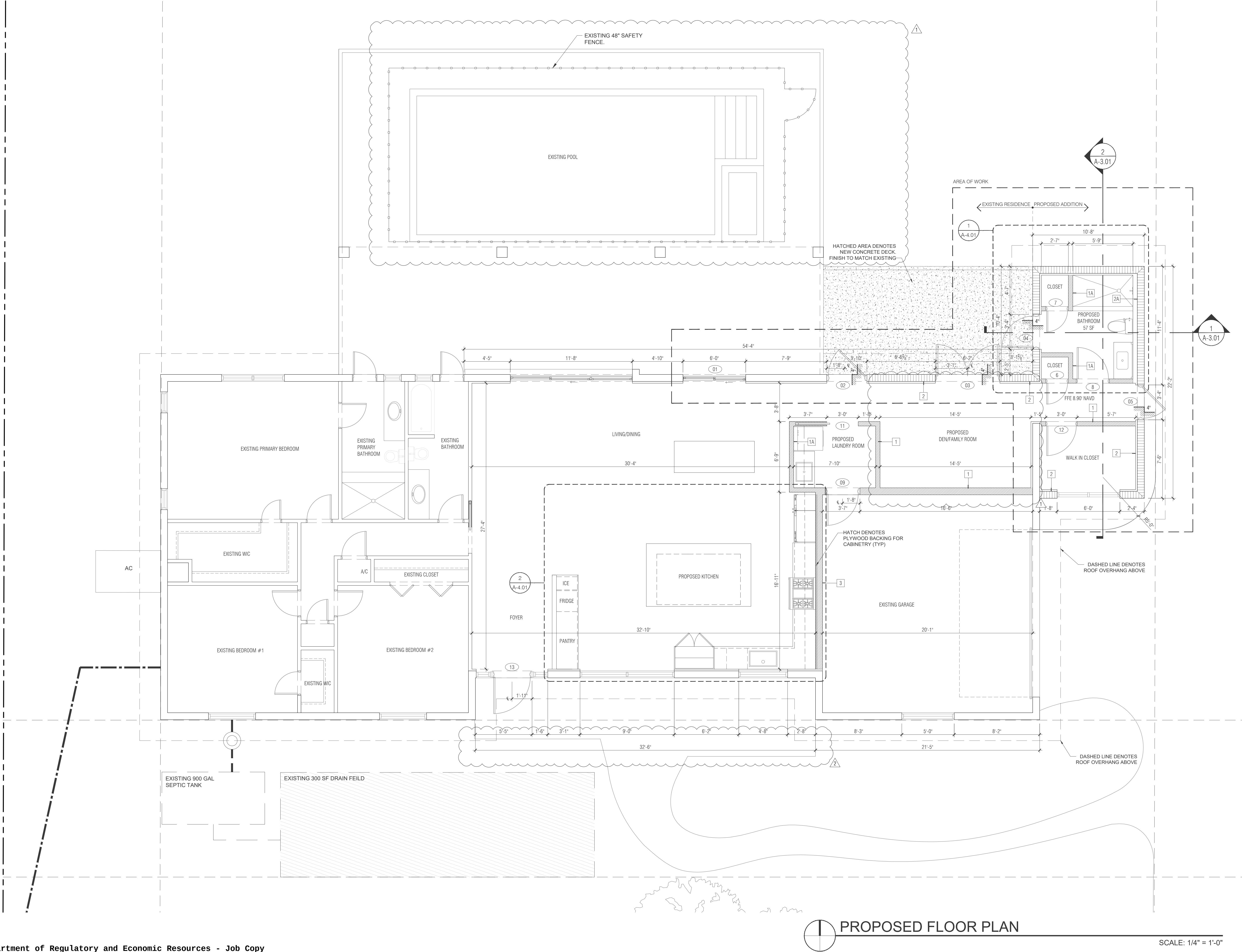
CONSTRUCTION DOCUMENTS

A-1.02



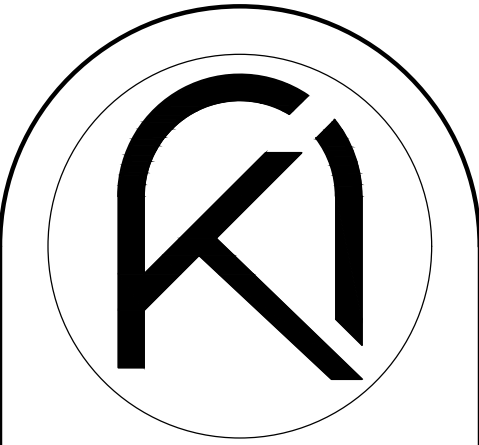
PROPOSED FLOOR PLAN

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



PROPOSED FLOOR PLAN

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



ARKO ARCHITECTURE, LLC
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edgardo@thearkgroup.com
eduardo@thearkgroup.com
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p: 305.400.8133

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RESIDENCE**
10300 SW 70TH AVE,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.04.02
09:49:52-04'00'



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CHECKED BY
MV
EV
PROJECT
22-84

REVISIONS	
03.18.24	BUILDING DEPARTMENT COMMENTS
04.02.24	BUILDING DEPARTMENT COMMENTS

PROPOSED
FLOOR PLAN

CONSTRUCTION DOCUMENTS

A-1.02

CEILING LEGEND:

CEILING MATERIAL

1 8'-8"

CEILING HEIGHT ABOVE SLAB

1 GYPSUM BOARD
PAINTED FINISH

2 STUCCO OVER
METAL LATH

3 WOOD HARDIE
BOARD

CEILING NOTES:

SPRINKLER HEADS IN PUBLIC & UTILITY AREA OF THE FIRST FLOOR SHALL BE PLACED AS NOTED ON THE FIRE PROTECTION DRAWINGS.

WALL MOUNT ALL UPPER FLOOR EXIT SIGNS, SEE ELECTRICAL DRAWINGS FOR LOCATION

SEE ELECTRICAL DRAWINGS FOR LOCATION OF ADDITIONAL WALL-MOUNTED LIGHTING

FIXTURE LEGEND:

- RECESS MOUNTED DOWN LIGHT
- CEILING MOUNTED EXHAUST GRILL W/ LIGHT
- JUNCTION BOX
- WALL SCONCE

FIXTURE NOTES:

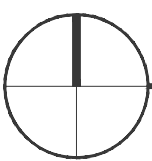
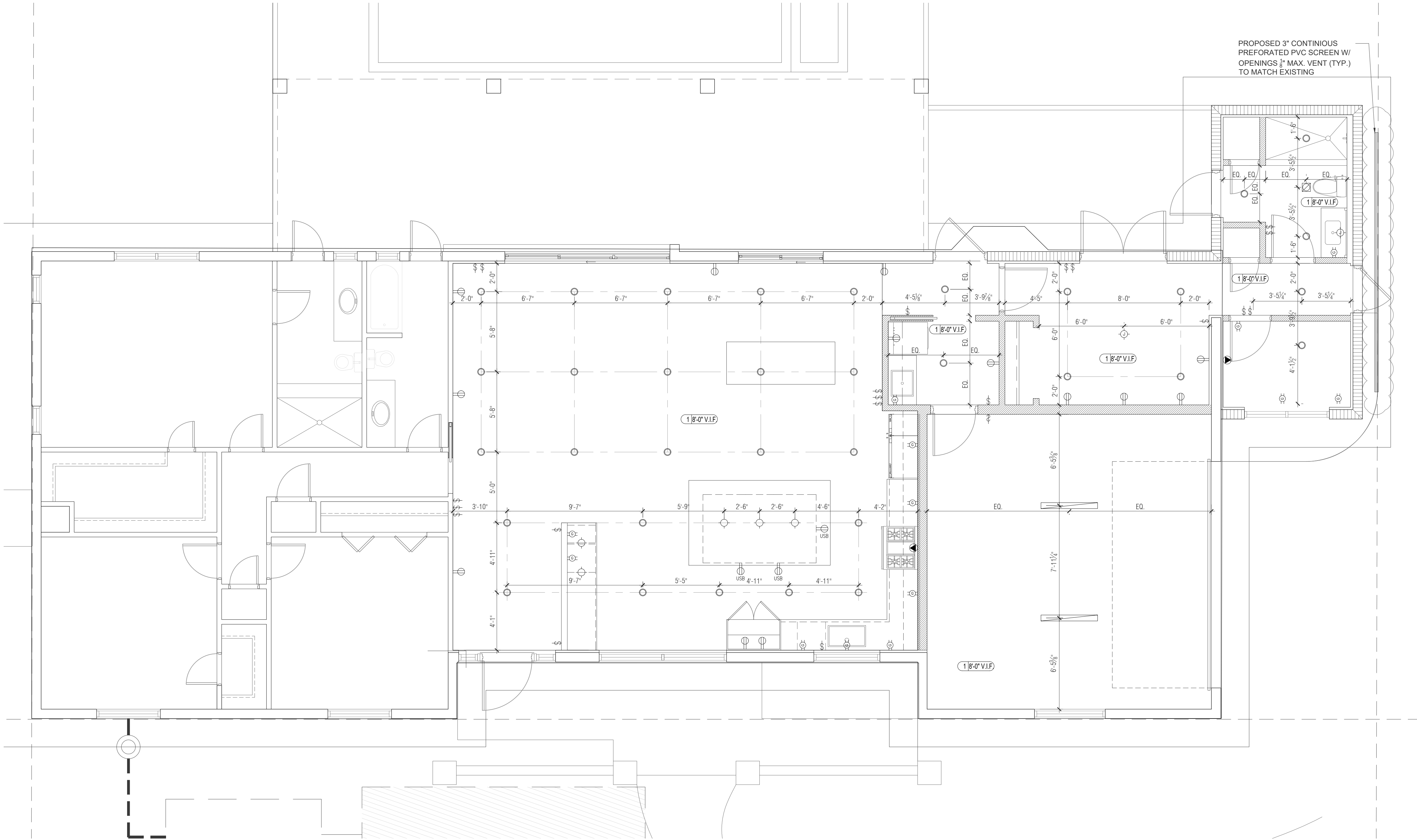
REFER TO ELECTRICAL ENGINEERS PLANS FOR LIGHTING, FIXTURE SCHEDULE, AND ADDITIONAL INFORMATION.

REFER TO MECHANICAL ENGINEERS PLANS FOR SUPPLY AND RETURN DIFFUSER LOCATIONS AND ADDITIONAL INFORMATION.

FOR LIGHTS IN EMERGENCY SYSTEM SEE ELECTRICAL PLANS.

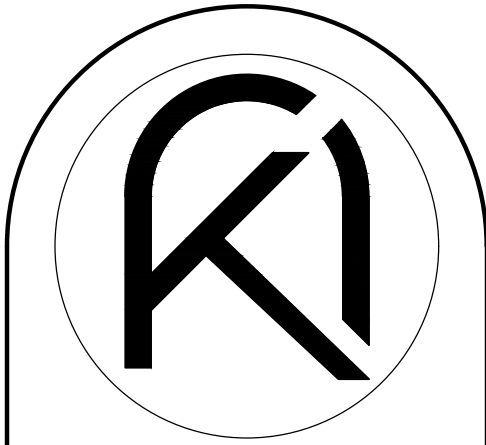
GENERAL NOTES:

- COORDINATE ALL CEILING FIXTURES SHOWN ON REFLECTED CEILING PLAN WITH MECHANICAL & ELECTRICAL DWGS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK.
- FOR FIXTURE TYPE & SPECIFICATIONS, SEE MECHANICAL, ELECTRICAL.
- REFER TO FLOOR PLANS FOR RM. NAMES & RM. NUMBERS.
- CONTRACTOR SHALL SUBMIT DETAILED SHOP DWGS. & CALCULATIONS, SIGNED & SEALED BY A FLORIDA REGISTERED ENGINEER INDICATING COMPLIANCE W/ THE SFBC FOR SOFFIT & EXTERIOR CEILING STRUCTURAL DESIGN, INCLUDING: ATTACHMENT METHOD, FRAMING, SUBFRAMING (SUCH AS FOR LIGHT FIXTURES), DECKING & OTHER MISC. COMPONENTS AS MAYBE NECESSARY. THE GENERAL COMPOSITION OF THE SYSTEM IS NOTED HEREIN IN THESE DOCUMENTS FOR PRICING PURPOSES ONLY.



PROPOSED REFLECTED CEILING PLAN

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



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Date: 2024.02.09
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EV

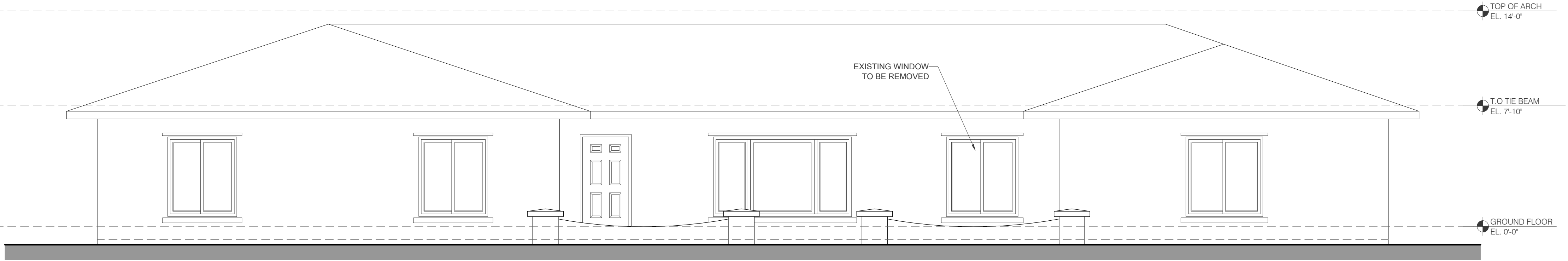
REVISIONS

PROPOSED
REFLECTED
CEILING PLAN

CONSTRUCTION DOCUMENTS

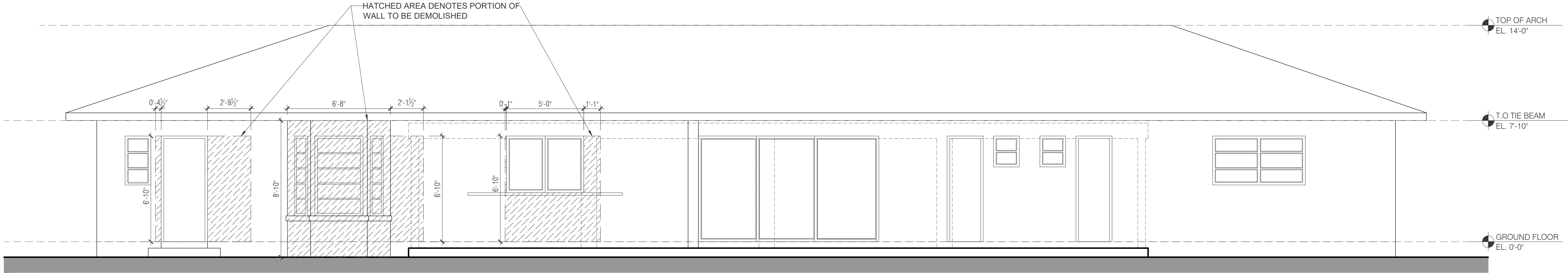
A-1.03

- NOTES
- CONTRACTOR TO VERIFY ALL DIMENSIONS FOR SELECTIVE DEMOLITION W/ PROPOSED FLOOR PLAN, PROPOSED ELEVATION, AND WINDOW AND DOOR SCHEDULES.
 - REFER TO DEMOLITION NOTES ON D-1.00
 - REFER TO STRUCTURAL DWGS FOR NEW OPENING DETAILS.



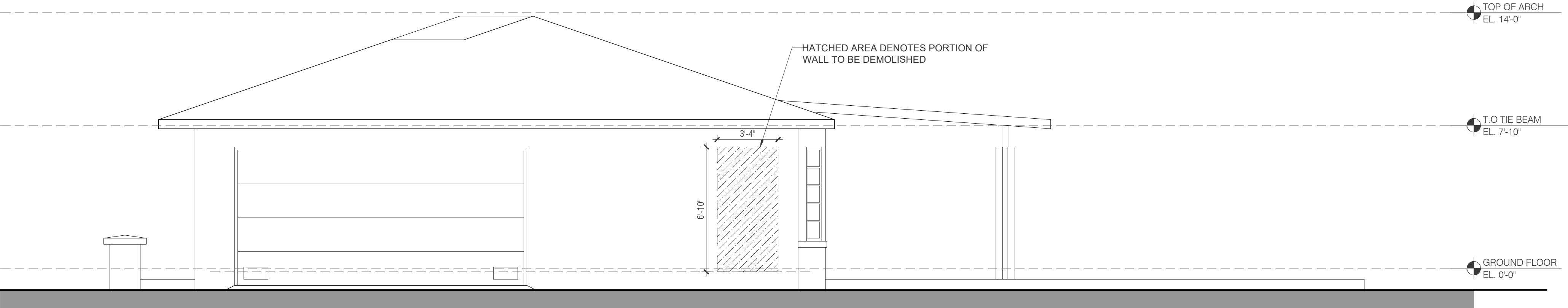
EXISTING SOUTH ELEVATION (FRONT)

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



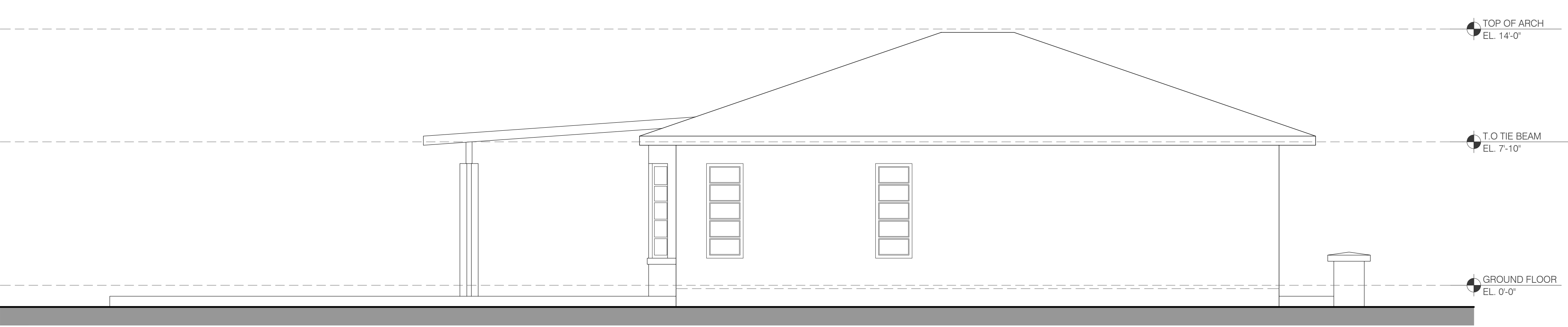
EXISTING NORTH ELEVATION (REAR)

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



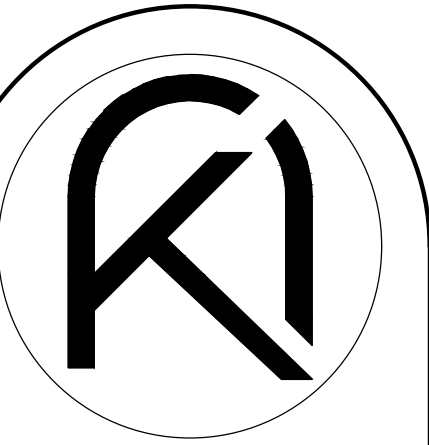
EXISTING EAST ELEVATION (RIGHT)

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



EXISTING WEST ELEVATION (LEFT)

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



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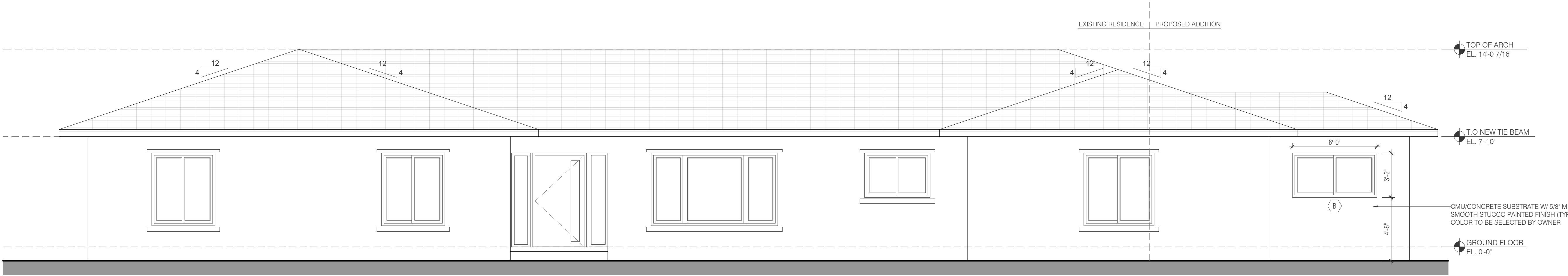
REVISIONS

XXXXXX
BUILDING DEPARTMENT COMMENTS

EXISTING NORTH
AND EAST
ELEVATIONS

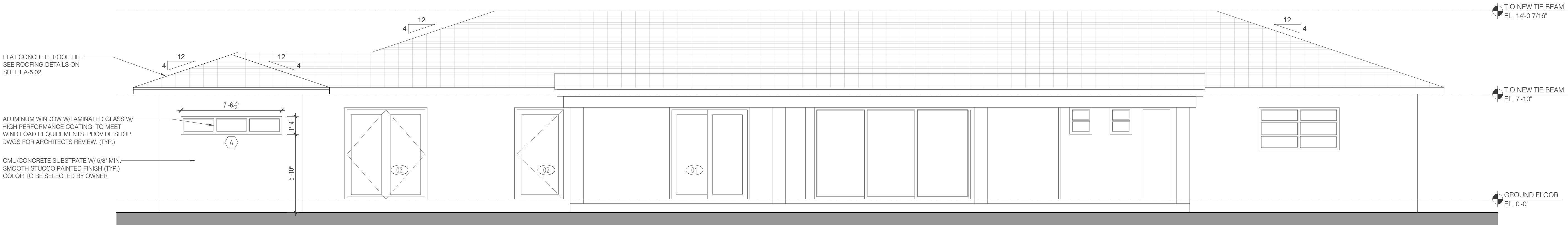
CONSTRUCTION DOCUMENTS

A-2.00



PROPOSED SOUTH ELEVATION (FRONT)

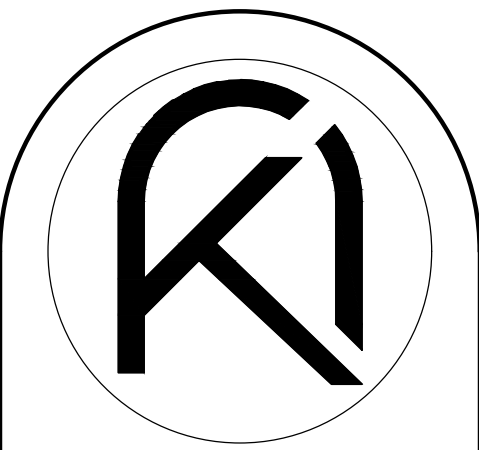
SCALE: 1/4" = 1'-0"



PROPOSED NORTH ELEVATION (REAR)

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

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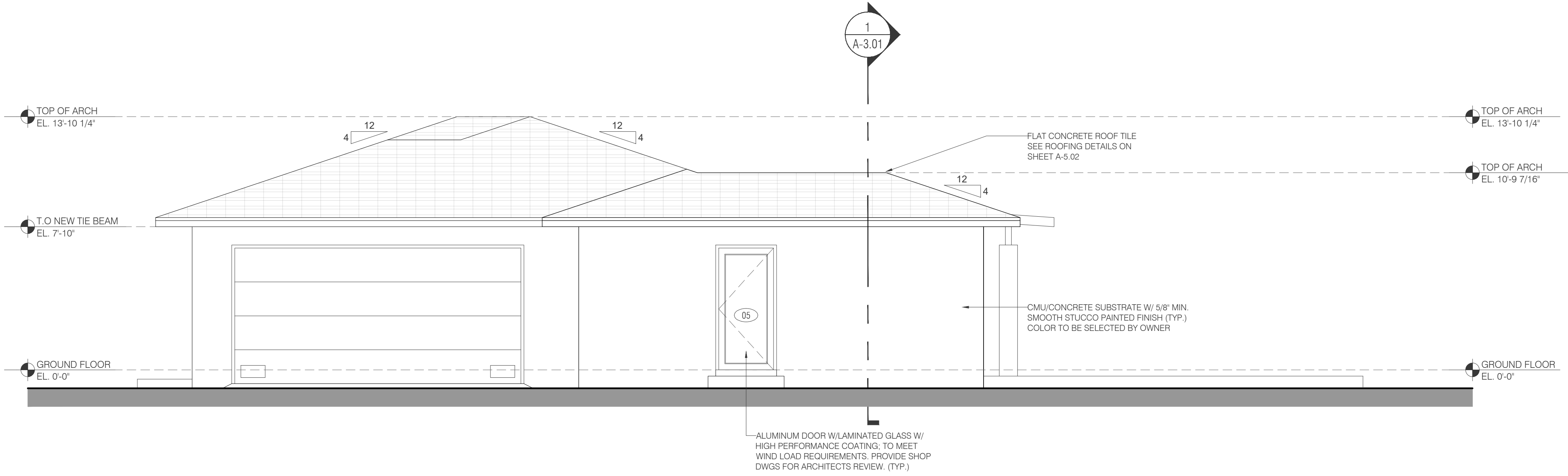
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EXISTING NORTH
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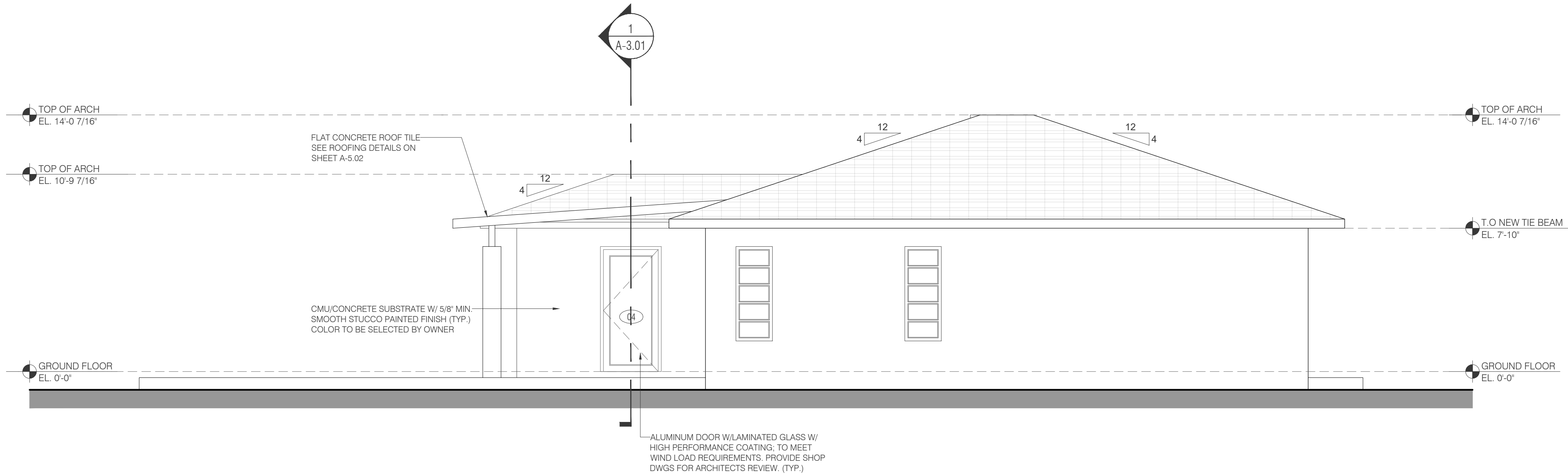
CONSTRUCTION DOCUMENTS

A-2.01



PROPOSED EAST ELEVATION (RIGHT)

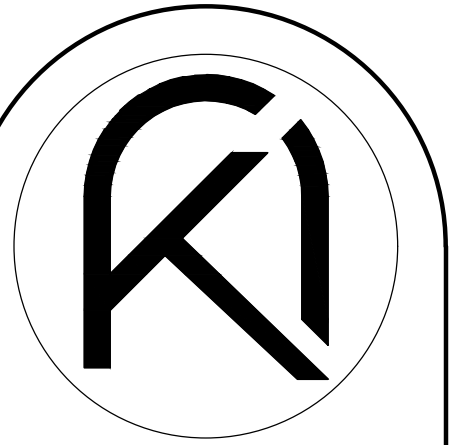
SCALE: 1/4" = 1'-0"



PROPOSED WEST ELEVATION (LEFT)

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

- NOTES
- CONTRACTOR TO VERIFY ALL DIMENSIONS FOR SELECTIVE DEMOLITION W/ PROPOSED FLOOR PLAN, PROPOSED ELEVATION, AND WINDOW AND DOOR SCHEDULES.
 - REFER TO DEMOLITION NOTES ON D-1.00
 - REFER TO STRUCTURAL DWGS FOR NEW OPENING DETAILS.



ARKO ARCHITECTURE, LLC
2490 CORAL WAY, SUITE 301
MIAMI, FL 33145
edgardo@thearkogroup.com
eduardo@thearkogroup.com
www.thearkogroup.com
p: 305.400.8133

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2023.08.24
16:08:33-04'00'



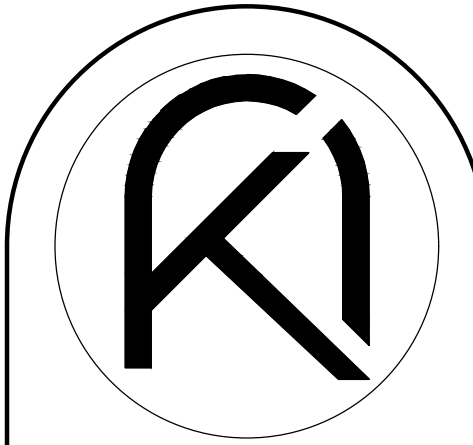
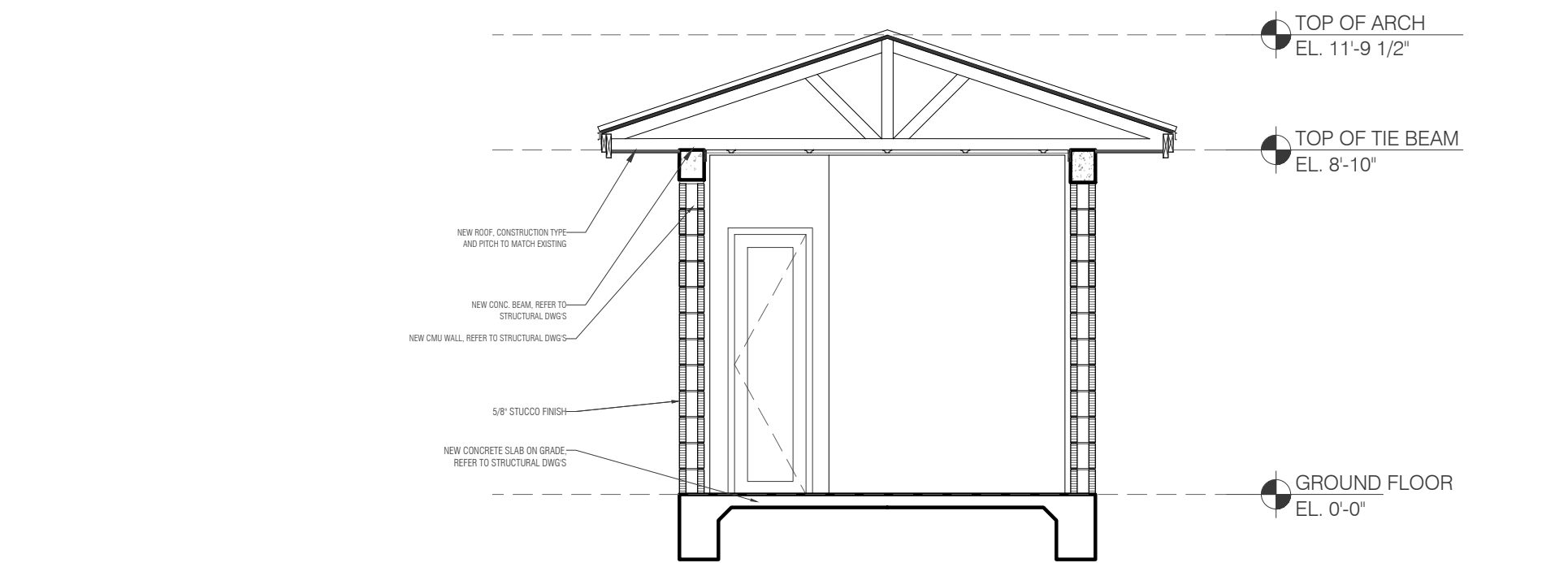
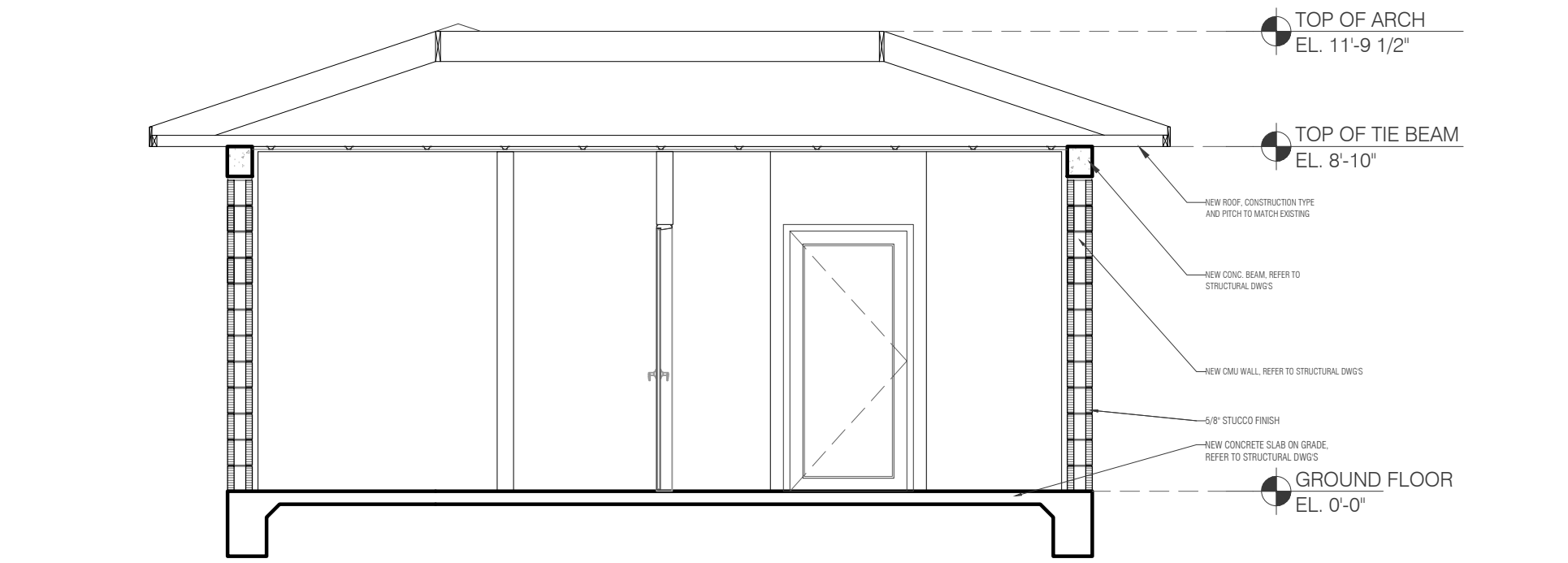
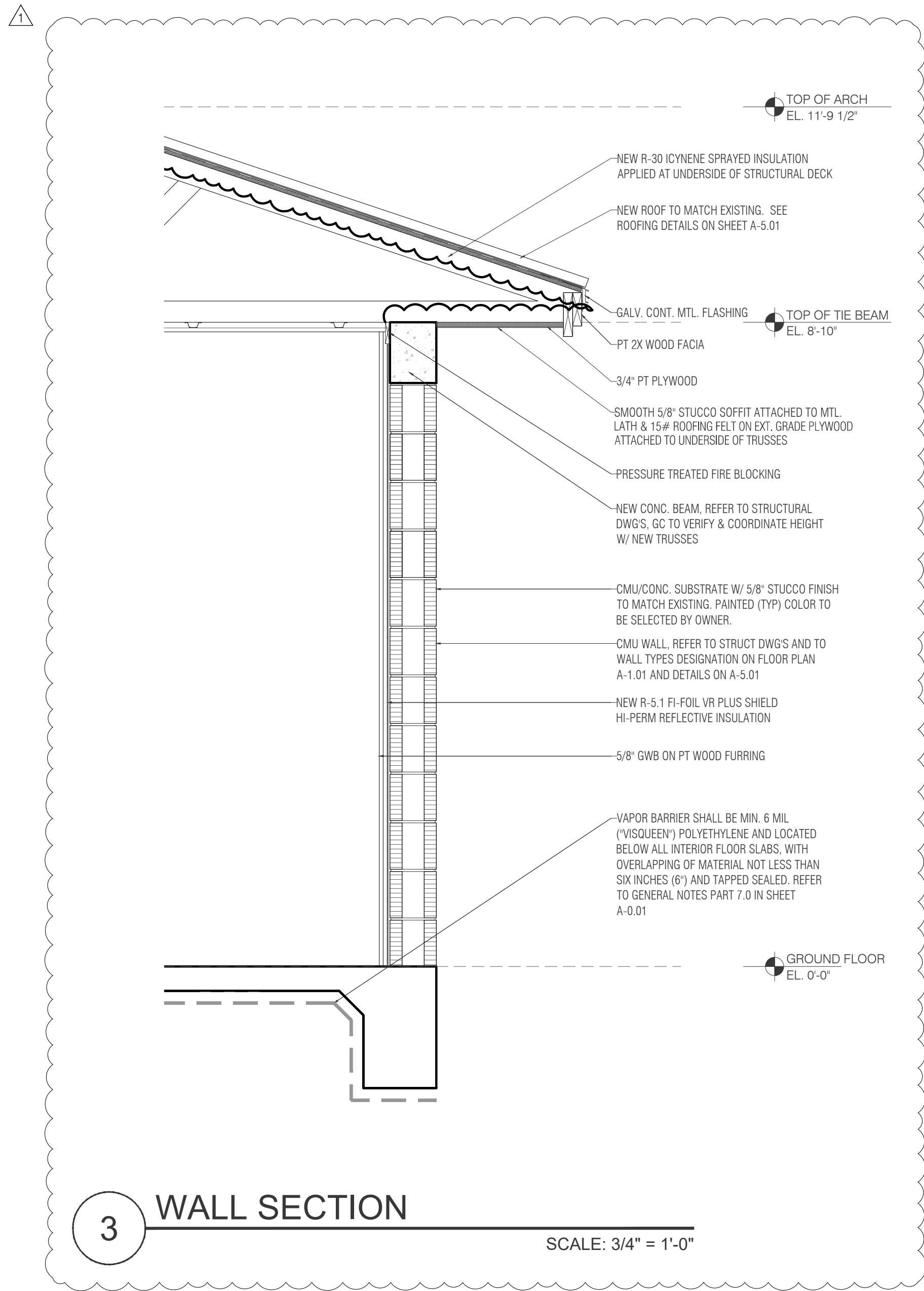
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DATE 03.29.23 MV
CHECKED BY EV PROJECT 22-84

REVISIONS

PROPOSED
ELEVATIONS

CONSTRUCTION DOCUMENTS

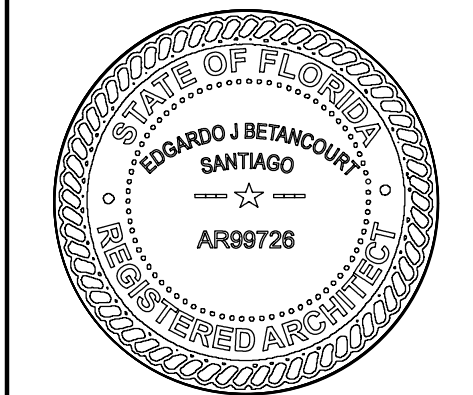
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**MAZZINI & MELINE
RESIDENCE**
10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.02.09
11:07:38-05'00'



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DATE 03.29.23 MV PROJECT
CHECKED BY 22-84
EV

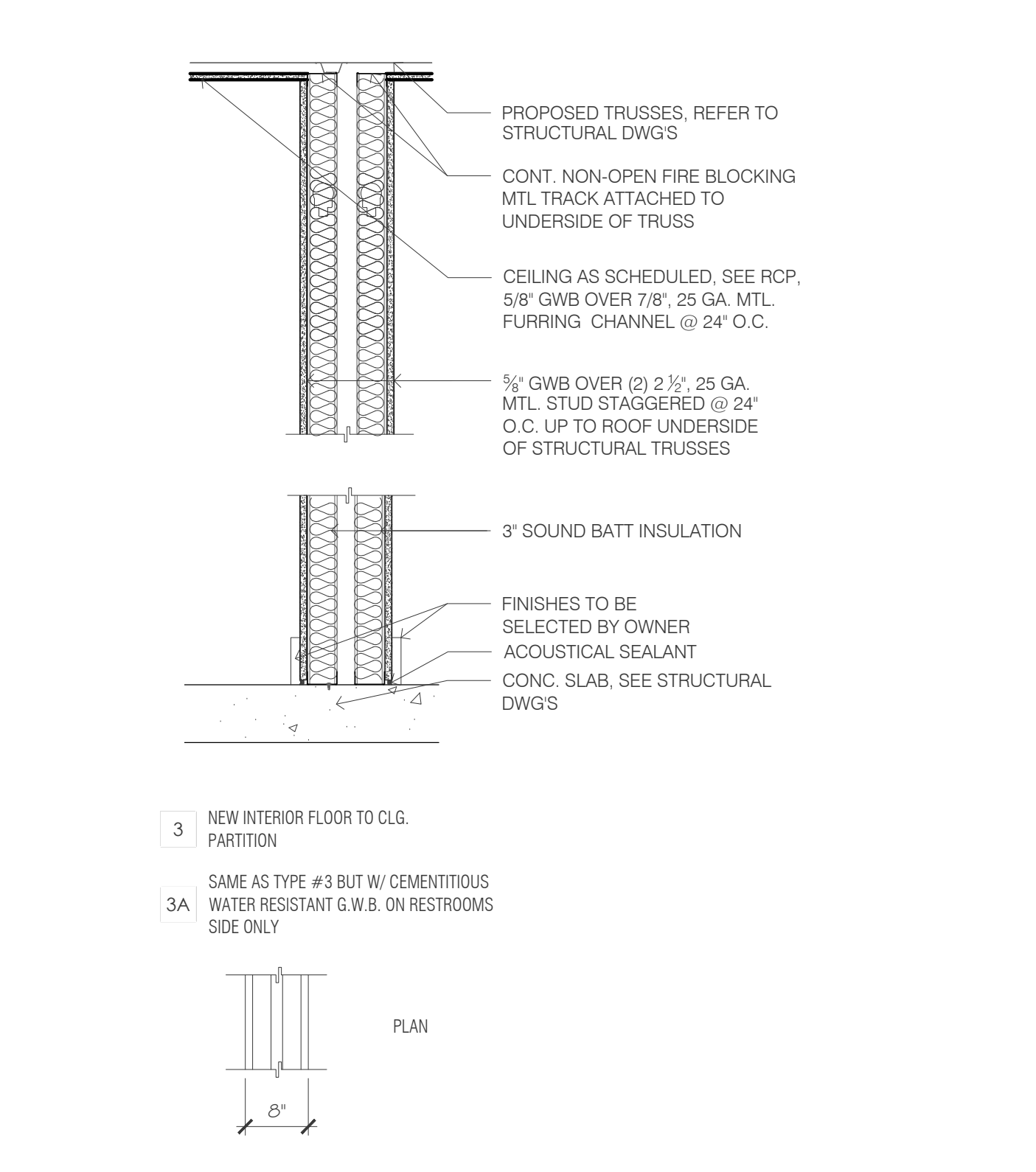
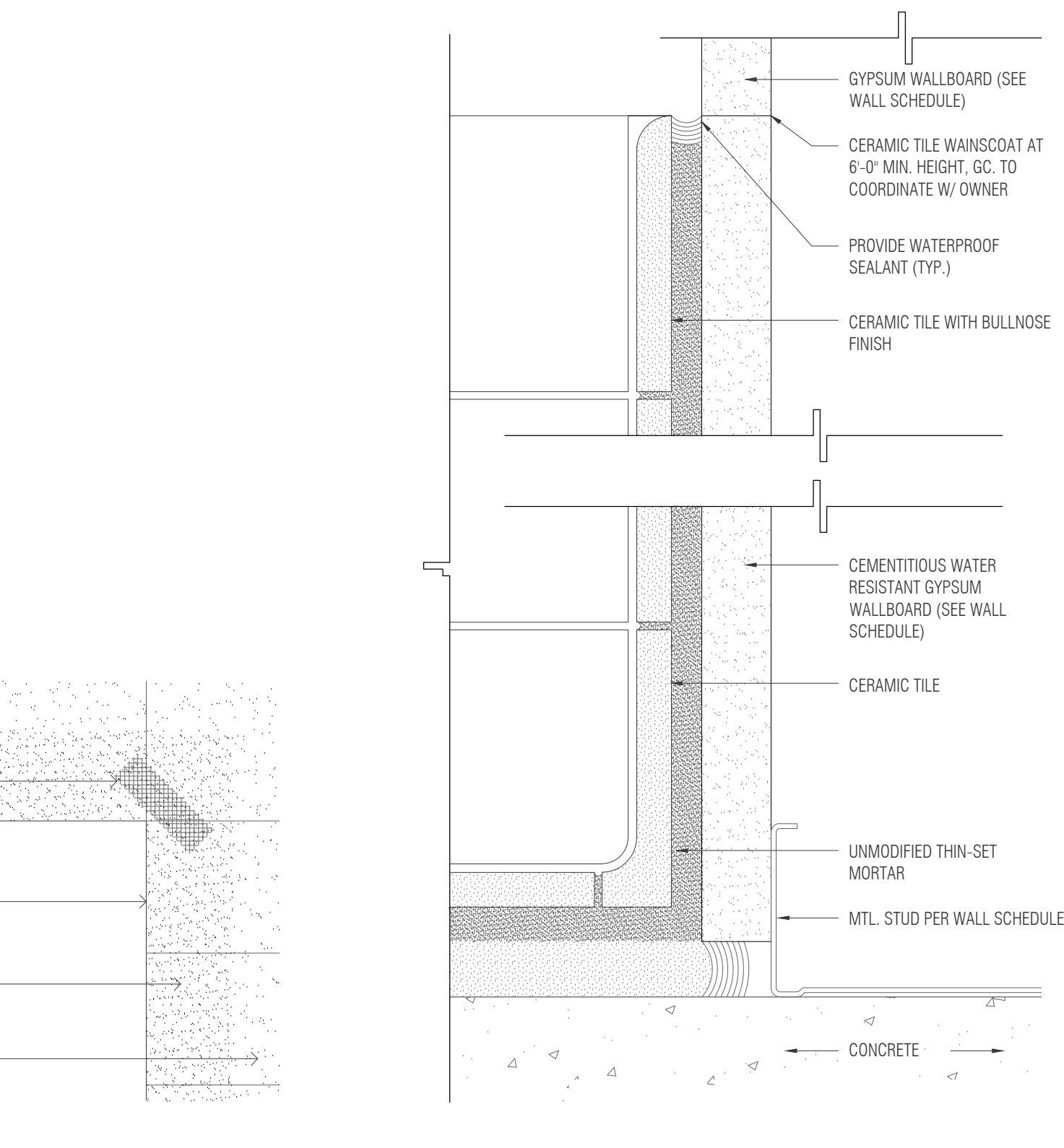
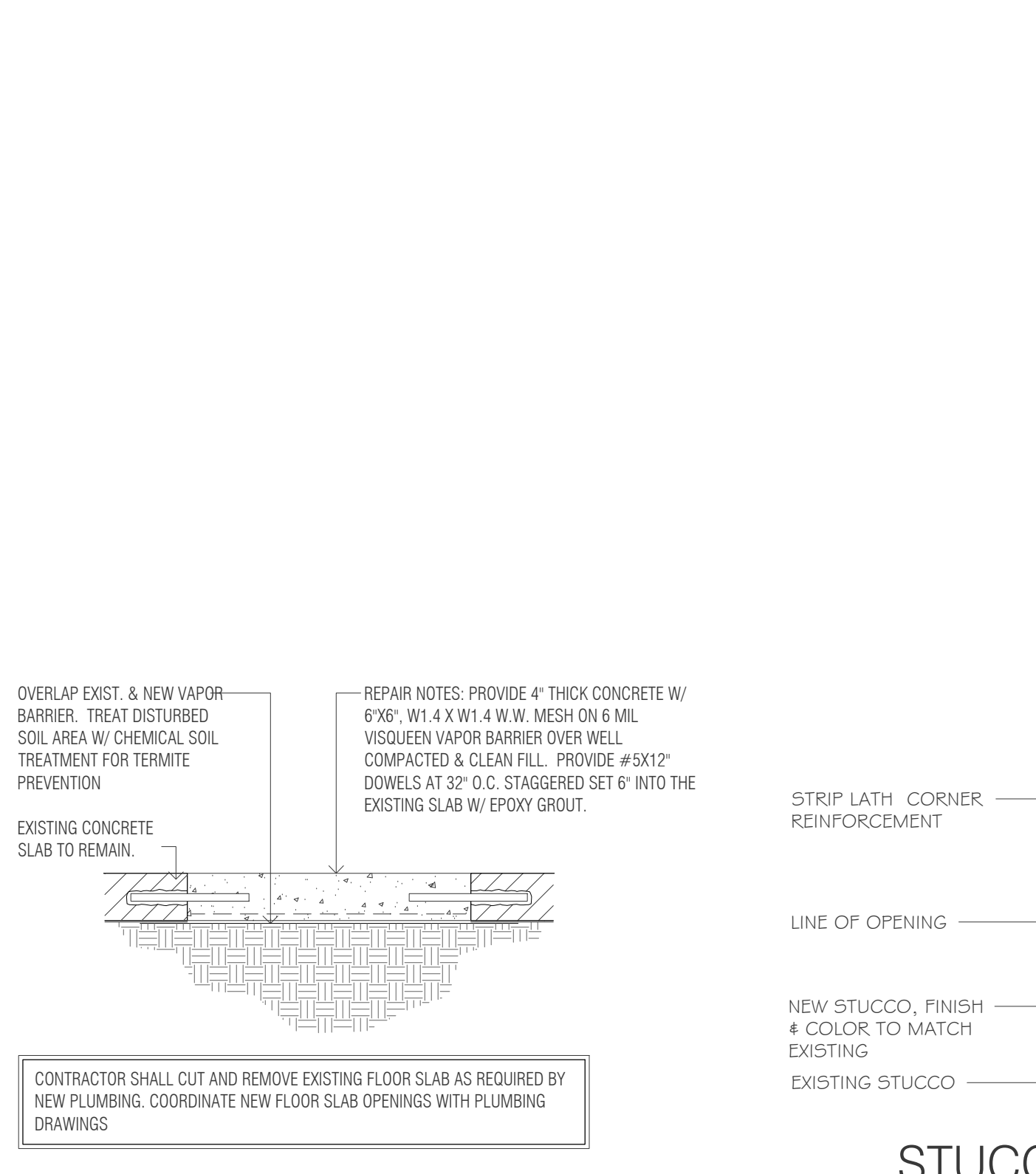
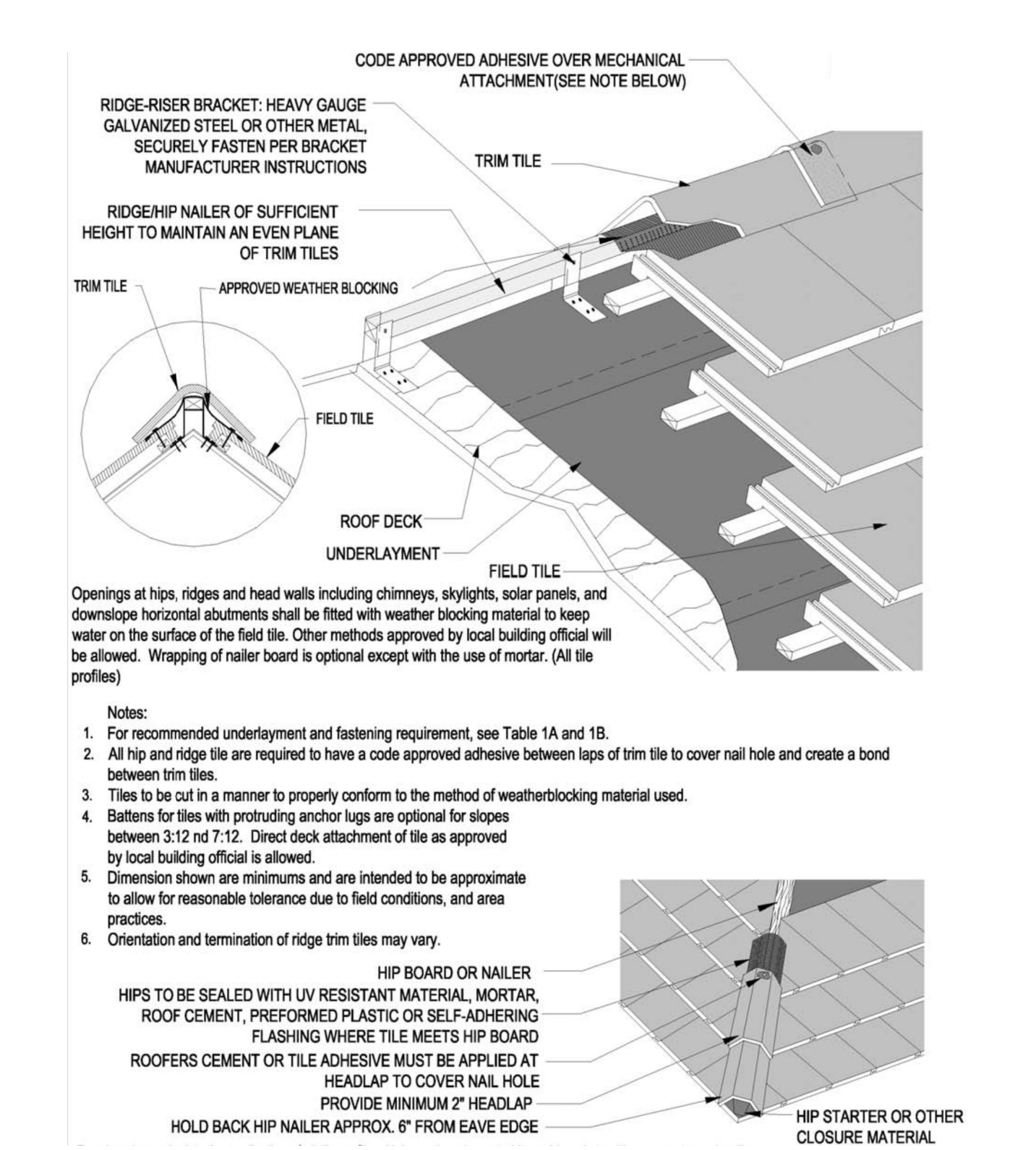
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10.06.23
BUILDING DEPARTMENT COMMENTS

SECTIONS

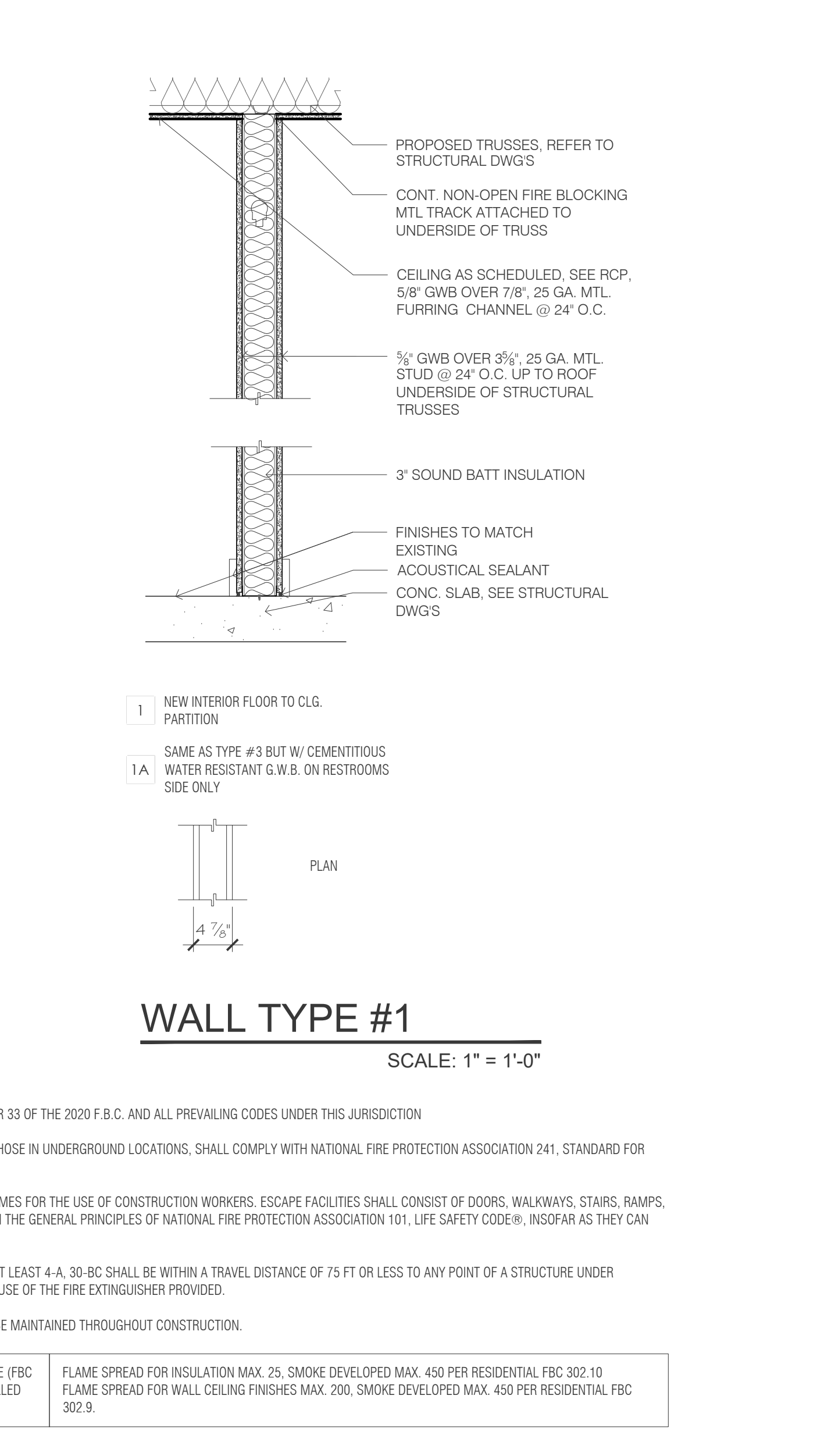
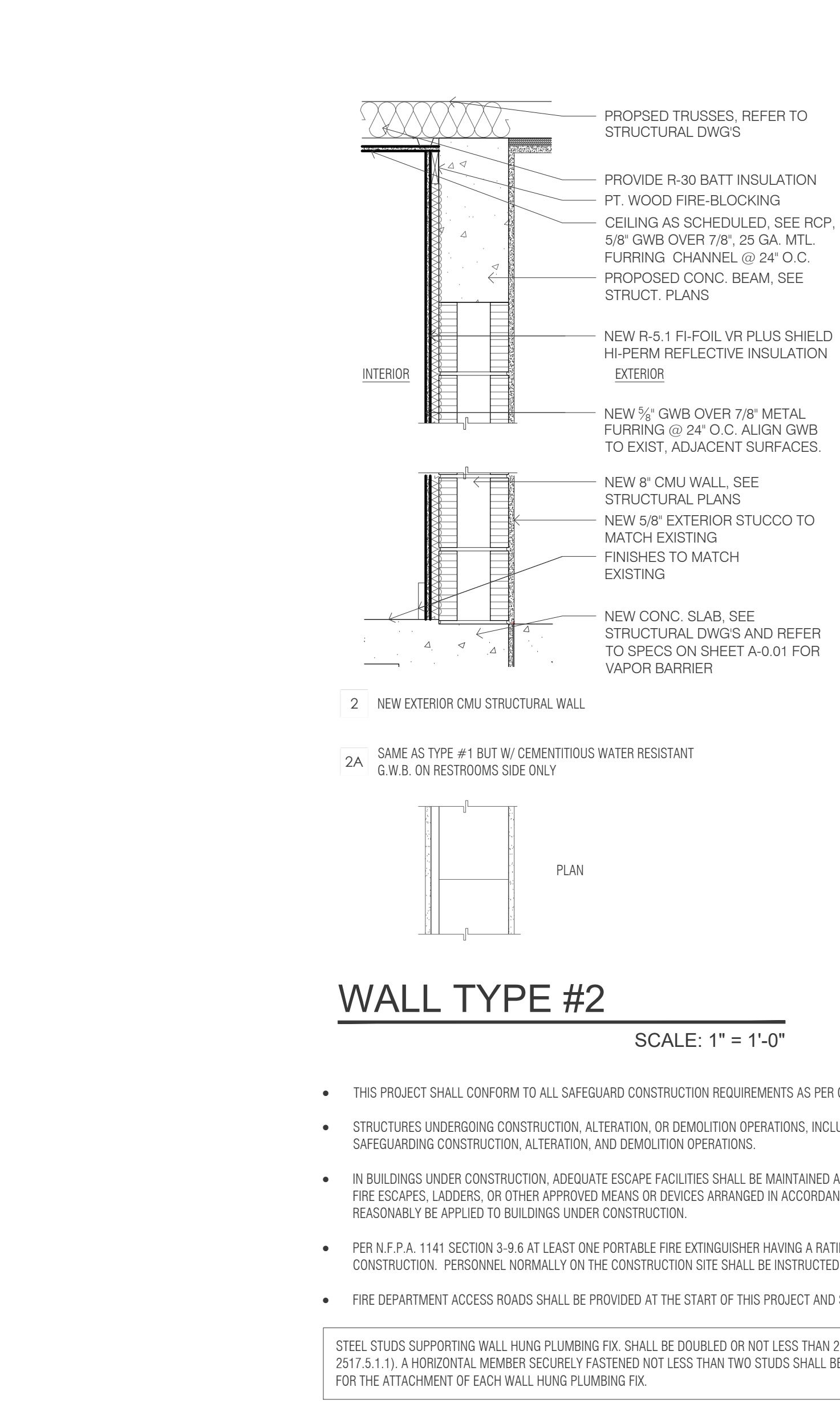
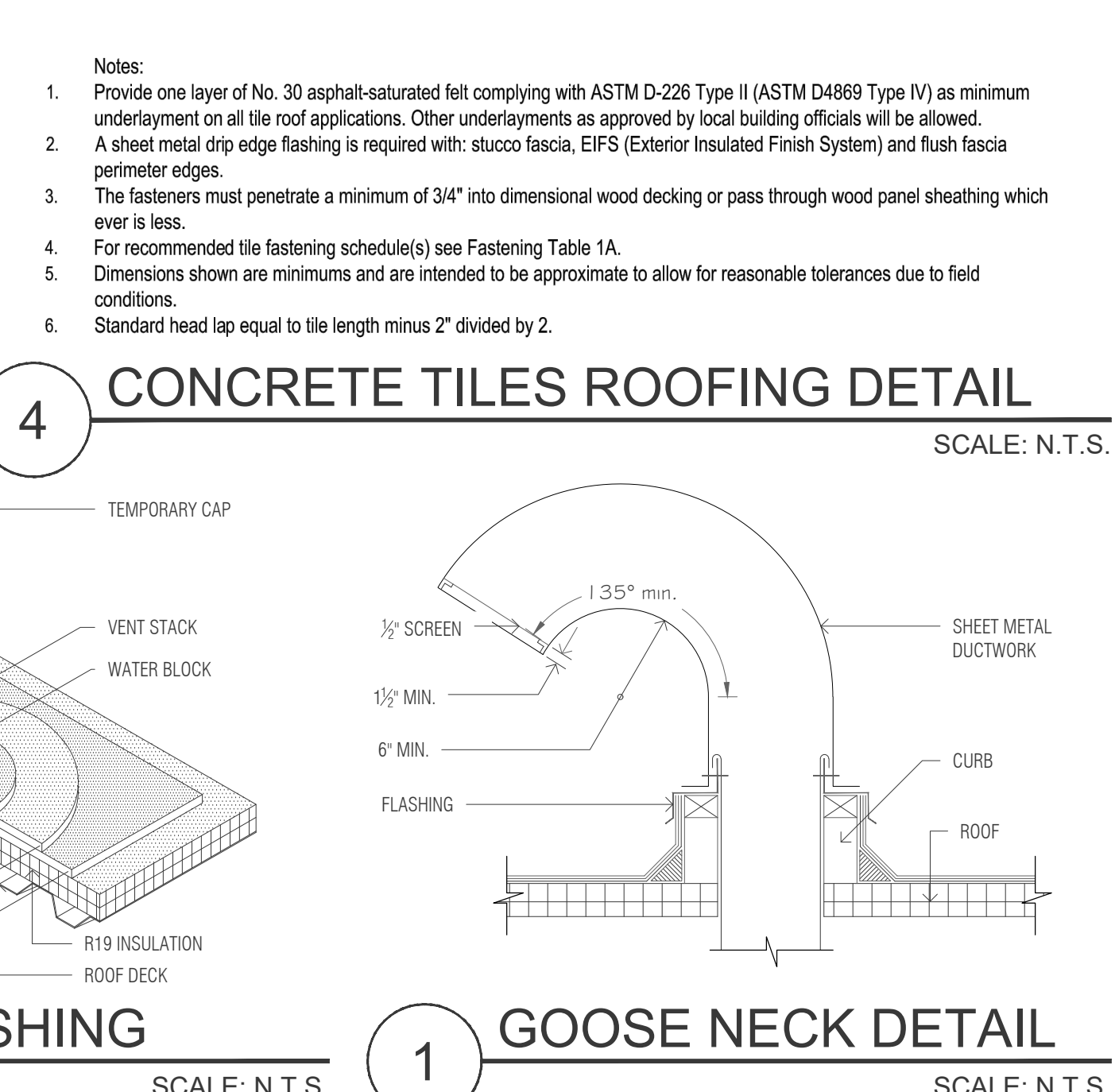
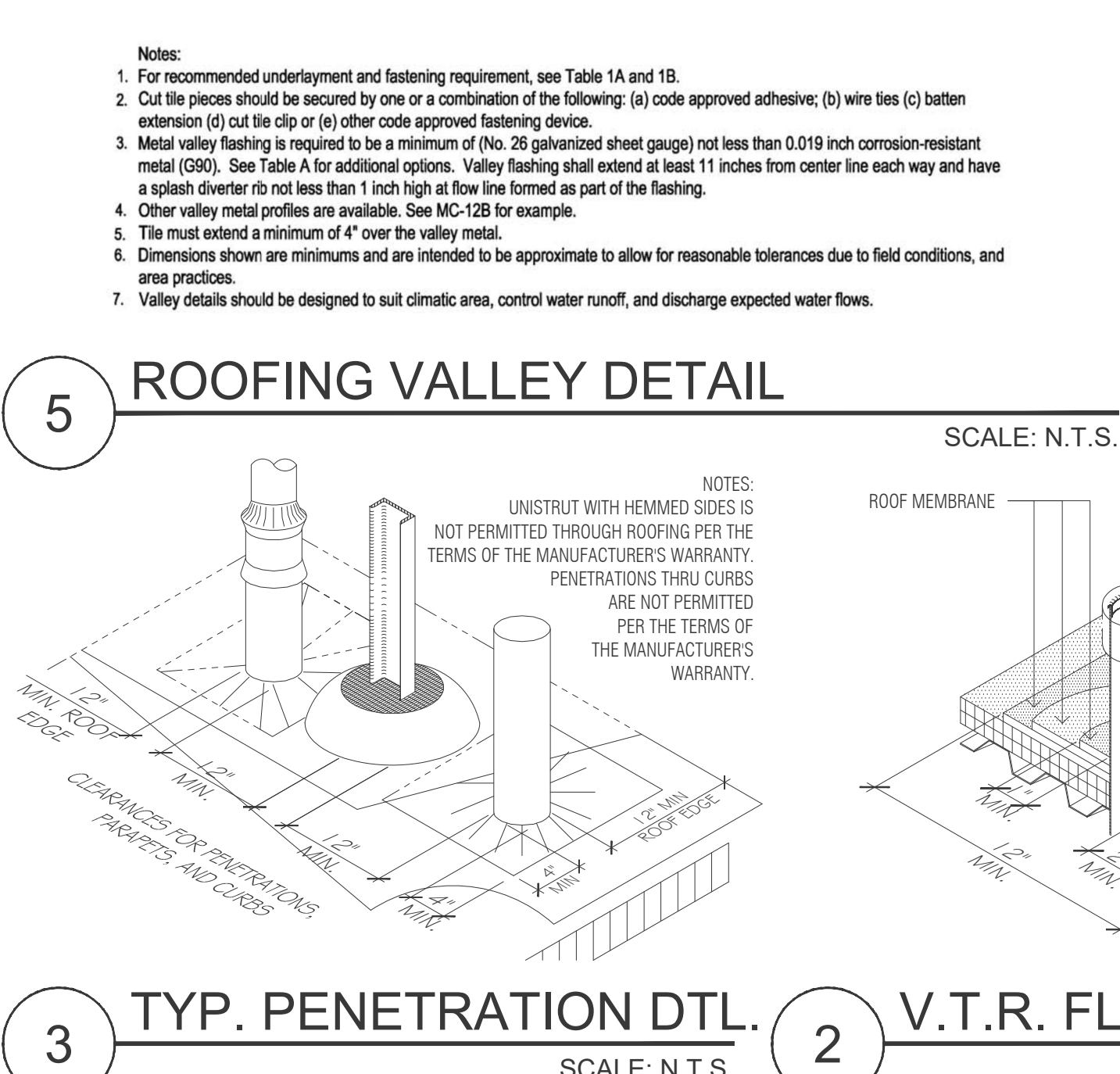
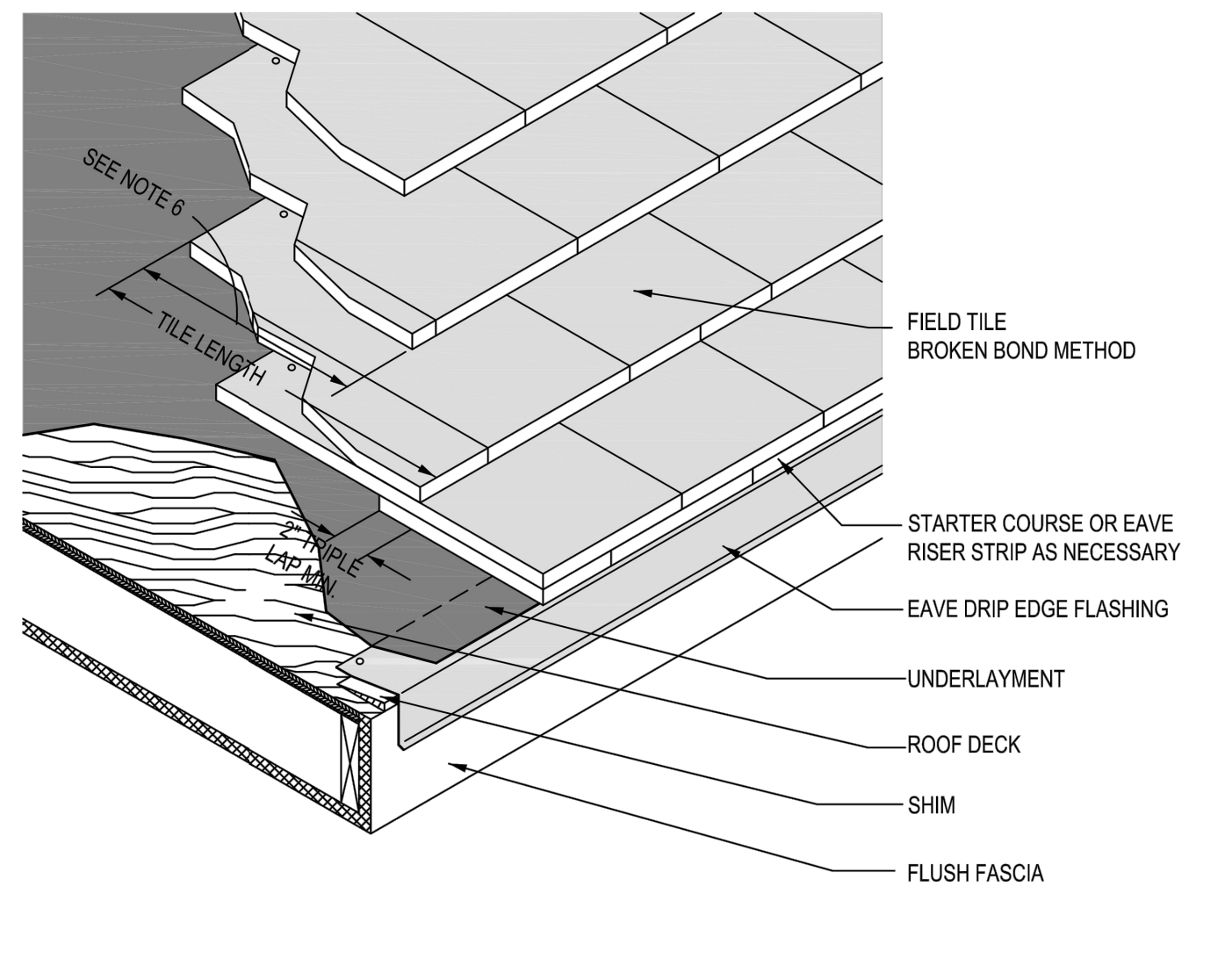
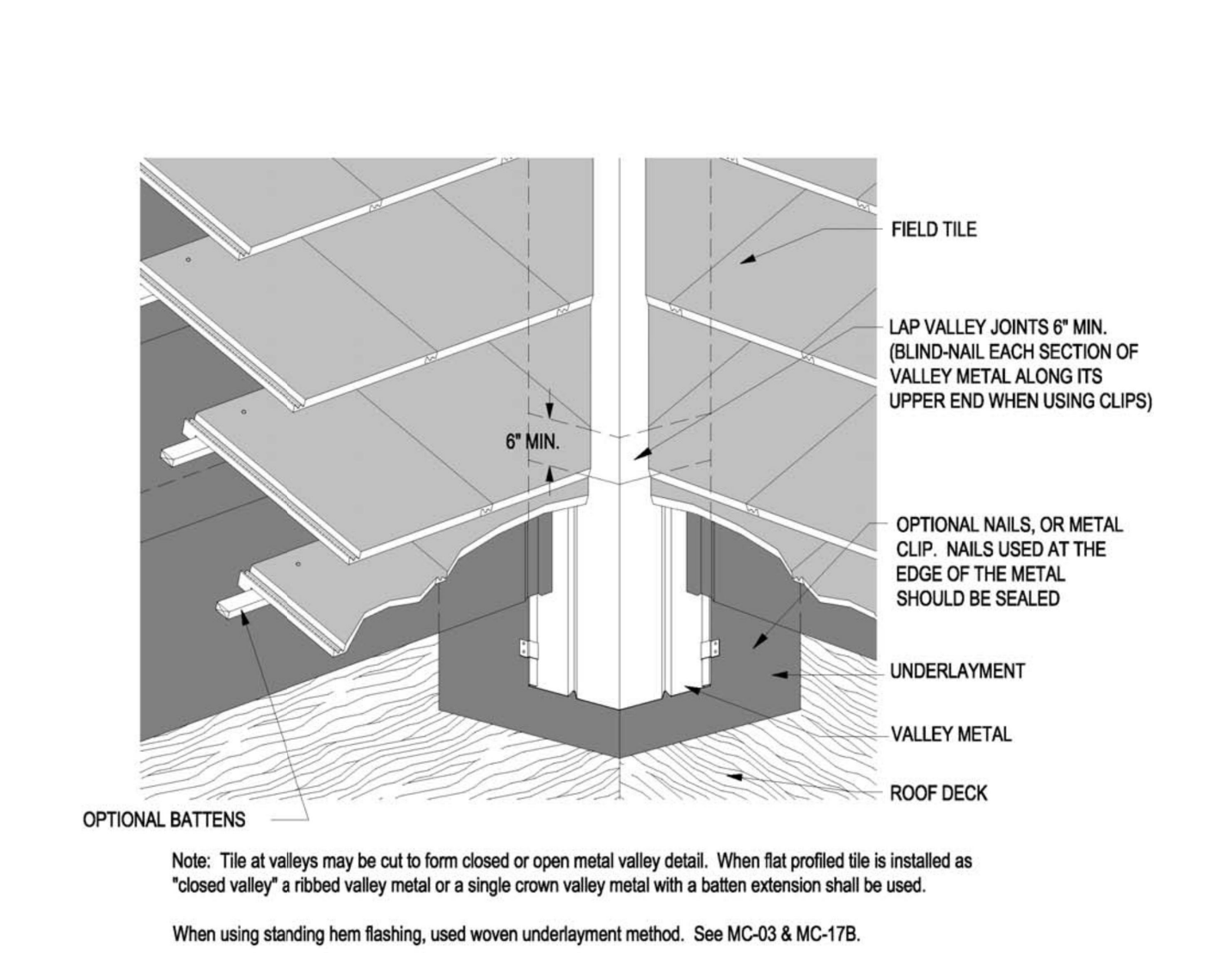
CONSTRUCTION DOCUMENTS

A-3.01





WALL TYPE #3
ULV488 (1HR)
SCALE: 1" = 1'-0"



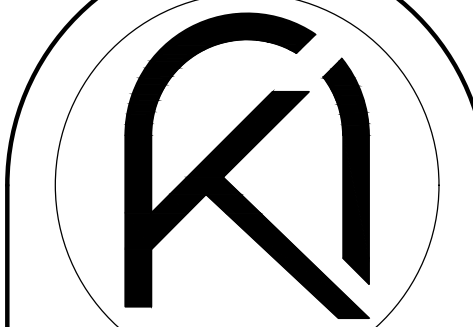
WALL TYPE #1
SCALE: 1" = 1'-0"

WALL TYPE #2
SCALE: 1" = 1'-0"

- THIS PROJECT SHALL CONFORM TO ALL SAFEGUARD CONSTRUCTION REQUIREMENTS AS PER CHAPTER 33 OF THE 2020 F.B.C. AND ALL PREVAILING CODES UNDER THIS JURISDICTION
- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NATIONAL FIRE PROTECTION ASSOCIATION 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.
- IN BUILDINGS UNDER CONSTRUCTION, ADEQUATE ESCAPE FACILITIES SHALL BE MAINTAINED AT ALL TIMES FOR THE USE OF CONSTRUCTION WORKERS. ESCAPE FACILITIES SHALL CONSIST OF DOORS, WALKWAYS, STAIRS, RAMPS, FIRE ESCAPES, LADDERS, OR OTHER APPROVED MEANS OR DEVICES ARRANGED IN ACCORDANCE WITH THE GENERAL PRINCIPLES OF NATIONAL FIRE PROTECTION ASSOCIATION 101, LIFE SAFETY CODE®, INsofar AS THEY CAN REASONABLY BE APPLIED TO BUILDINGS UNDER CONSTRUCTION.
- PER N.F.P.A. 1141 SECTION 3-9.6 AT LEAST ONE PORTABLE FIRE EXTINGUISHER HAVING A RATING OF AT LEAST 4-A, 30-BC SHALL BE WITHIN A TRAVEL DISTANCE OF 75 FT OR LESS TO ANY POINT OF A STRUCTURE UNDER CONSTRUCTION. PERSONNEL NORMALLY ON THE CONSTRUCTION SITE SHALL BE INSTRUCTED IN THE USE OF THE FIRE EXTINGUISHER PROVIDED.
- FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED AT THE START OF THIS PROJECT AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

STEEL STUDS SUPPORTING WALL HUNG PLUMBING FIX. SHALL BE DOUBLED OR NOT LESS THAN 20 GAUGE (FBC 2517.5.1.1). A HORIZONTAL MEMBER SECURELY FASTENED NOT LESS THAN TWO STUDS SHALL BE INSTALLED FOR THE ATTACHMENT OF EACH WALL HUNG PLUMBING FIX.

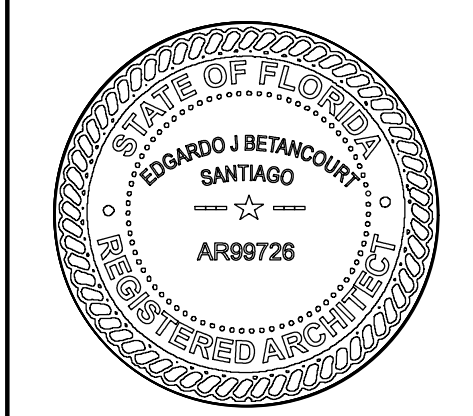
FLAME SPREAD FOR INSULATION MAX. 25, SMOKE DEVELOPED MAX. 450 PER RESIDENTIAL FBC 302.10. FLAME SPREAD FOR WALL CEILING FINISHES MAX. 200, SMOKE DEVELOPED MAX. 450 PER RESIDENTIAL FBC 302.9.



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Date: 2023.08.24
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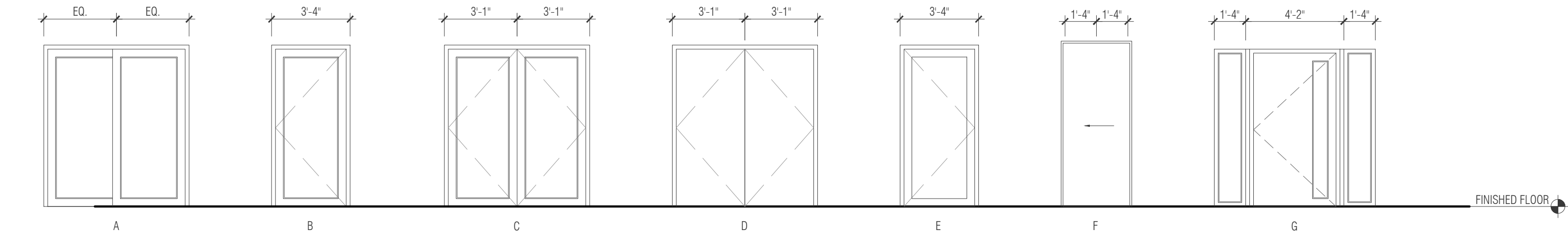
DRAWN BY
DATE 03.29.23
CHECKED BY
PROJECT 22-84
EV

REVISIONS

WALL TYPES & ROOF DETAILS

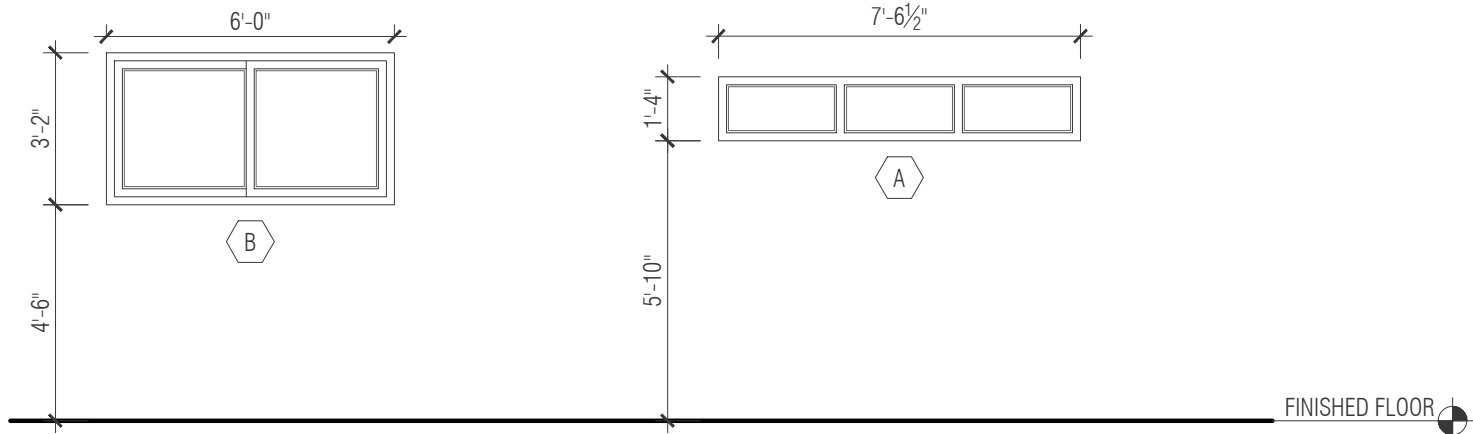
CONSTRUCTION DOCUMENTS

A-5.01



DOOR TYPE ELEVATIONS

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



WINDOW TYPE ELEVATIONS

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

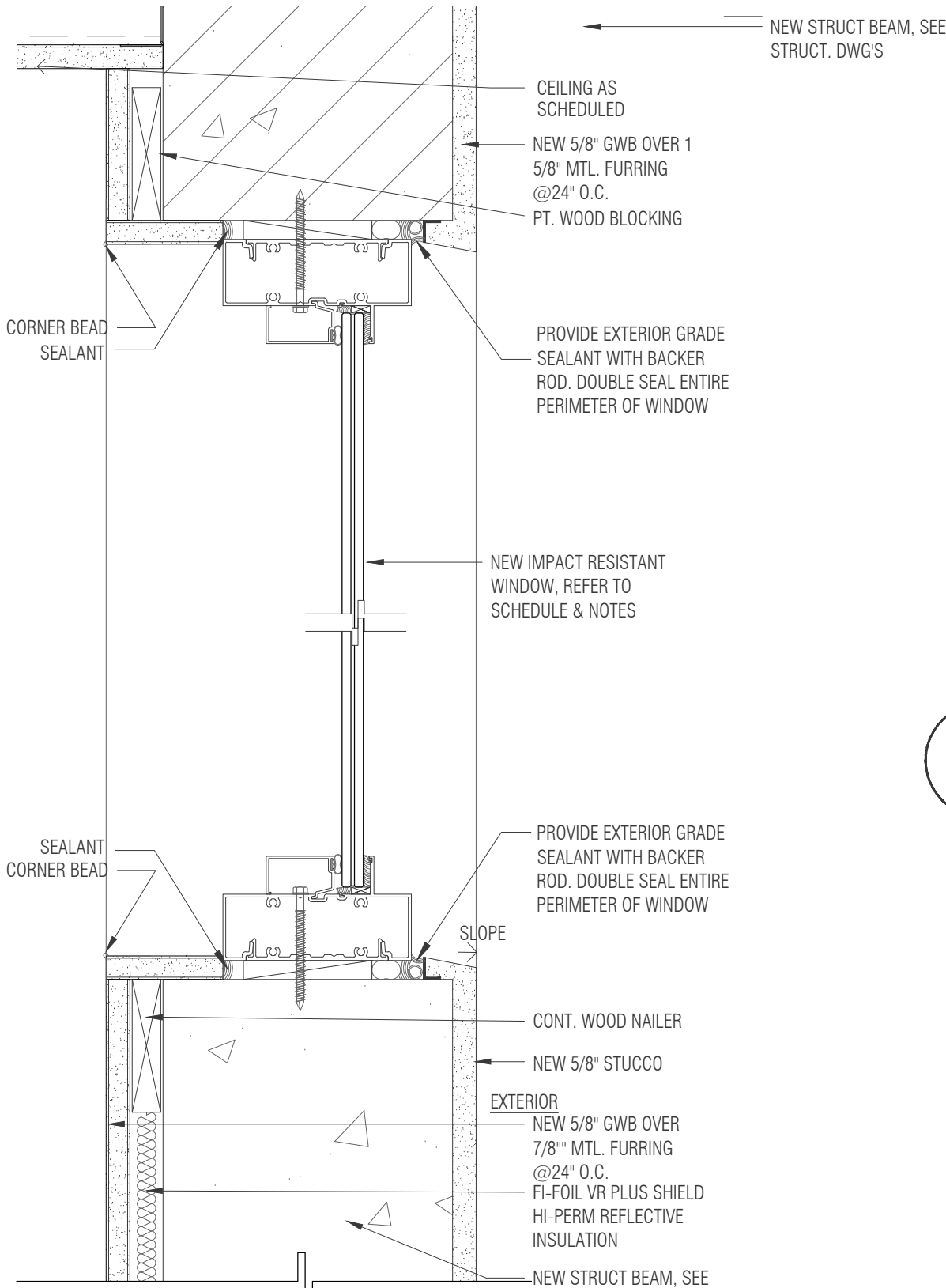
DOOR SCHEDULE

MARK	ROOM NAME	DOOR						FRAME	FIRE RATING	NOTES
		SIZE			MATL	EL	GLZ			
		W	HT	THK						
01	LIVING-DINING	6'-0"	6'-10"	1 3/4"	ALUM./GLASS	A	7/16"	ALUM.		CATEGORY II SAFETY GLASS
02	HALL	3'-10"	6'-10"	1 3/4"	ALUM./GLASS	B	7/16"	ALUM.		CATEGORY II SAFETY GLASS
03	EXIT BEDROOM 3	6'-2"	6'-10"	1 3/4"	ALUM./GLASS	C	7/16"	ALUM.		CATEGORY II SAFETY GLASS
04	EXIT BATHROOM 3	3'-4"	6'-10"	1 3/4"	ALUM./GLASS	B	7/16"	ALUM.		CATEGORY II SAFETY GLASS
05	EXIT KITCHENETTE	3'-4"	6'-10"	1 3/4"	ALUM./GLASS	B	7/16"	ALUM.		CATEGORY II SAFETY GLASS
06	CLOSET	2'-2"	6'-10"	1 3/4"	HC	E	-	WD		
07	CLOSET	2'-2"	6'-10"	1 3/4"	HC	E	-	WD		
08	BATHROOM 3	3'-2"	6'-10"	1 3/4"	SC	E	-	WD		
09	GARAGE	3'-4"	6'-10"	1 3/4"	HC	E	-	WD	20 MIN	PROVIDE SELF CLOSING SPRING HINDGES
10	BEDROOM 3	3'-2"	6'-10"	1 3/4"	SC	E	-	WD		
11	LAUNDRY ROOM	3'-4"	6'-10"	1 3/4"	SC	F	-	WD		
12	WALK-IN CLOSET	3'-2"	6'-10"	1 3/4"	HC	E	-	WD		
13	EXIT FOYER	6'-10"	6'-10"	1 3/4"	ALUM./GLASS	G	7/16"	ALUM.		CATEGORY II SAFETY GLASS

- ALL DOOR HARDWARE TO HAVE LEVER HANDLES (SINGLE ACTION RELEASE W/O OUT INTERIOR KEY LOCKS), MAXIMUM CLOSER PULL FORCE TO BE 5 LB. AND TO COMPLY WITH F.B.C., CH. 11.
- CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY WORK NECESSARY TO COMPLETE THE PROPER INSTALLATION OF DOORS, FRAMES, AND HARDWARE.
- ALL DOORS TO HAVE (3) SILENCERS & THOSE W/O CLOSERS TO RECEIVE FLOOR / WALL STOPS.
- KEYING SCHEDULE - PROVIDE MASTER KEY FOR ALL DOORS (COORDINATE WITH OWNER). OWNER TO RECEIVE (2) COPIES OF EACH KEY.
- ALL EGRESS DOORS SHALL COMPLY WITH N.F.P.A. 101, 7-2.1.5.1, FBC (2020) SECTION 1008 & FBC 11-4.1.3(7), 11-4.1.3.9 AND 11-4.13.
- ALL EGRESS DOORS HARDWARE SHALL COMPLY WITH N.F.P.A. 101, 12.2.2.2.3.
- ALL DOOR HARDWARE TO COMPLY WITH F.B.C., CH. 11.
- PROVIDE DOOR STOPS THROUGHOUT.
- SEE MANUFACTURER'S FUNCTIONS SHEET FOR HARDWARE GROUP DESCRIPTION.
- CONTRACTOR SHALL COORDINATE INTERIOR DOOR FRAMES WITH PARTITIONS THICKNESS. (ALL DOORS TO BE FLUSH WITH SURROUNDING DRYWALL). PROVIDE & INSTALL NEW WOOD DOOR TRIM AS REQUIRED (PRIME & PAINT).
- CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY WORK NECESSARY TO COMPLETE THE PROPER INSTALLATION OF DOORS, FRAMES, AND HARDWARE.
- ALL WOOD DOORS TO BE SOLID CORE
- ALL EXTERIOR DOOR FRAMES ARE TO BE 16 GAUGE.
- ALL EXTERIOR DOORS SHALL BE LARGE MISSILE IMPACT RESISTANT, SUBMIT DADE COUNTY PRODUCT (NOA) APPROVALS.
- ALL EXTERIOR DOOR FRAMES ANCHOR PER PRODUCT APPROVALS.
- ALL DOOR FRAMES ON CONCRETE TO BE GROUTED SOLID.
- PROVIDE DRIP CAP ON ALL EXTERIOR DOORS
- ALL NEW EXTERIOR DOORS TO BE SERIES 'MG-500' ALUMINUM OUTSWING FRENCH DOOR (LM) FL #27001 BY MR. FLASS DOORS & WINDOWS, INC. OR APPROVED EQUAL.

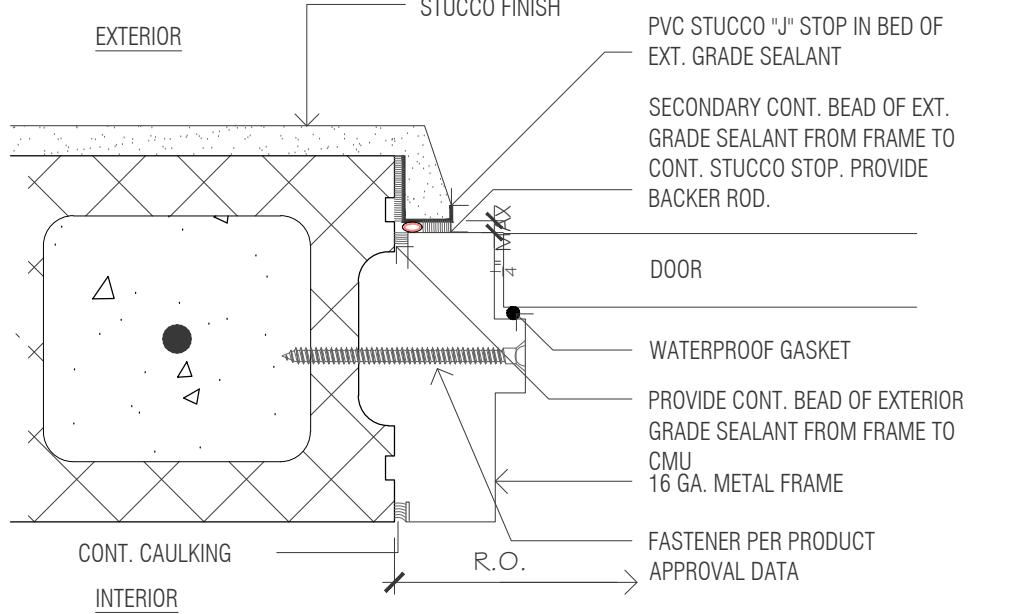
WINDOW SCHEDULE						
MARK	SIZE		TYPE	MATL	GLZ	SHGC = U FACTOR USED FOR ENERGY CALCS
	W	HT				
A	7'-6"	1'-4"	FIXED	ALUM.	9/16" SAFETY GLASS CAT. II	0.5
B	6'-0"	3'-2"	HORIZONTAL ROLLER	ALUM.	9/16" SAFETY GLASS CAT. II	0.5

- ALL FRAME OPENING DIMENSIONS TO BE VERIFIED BY CONTRACTOR.
- CONTRACTOR SHALL COORDINATE INTERIOR WINDOWS WITH PARTITIONS THICKNESS.
- COORD. FINAL WINDOW DESIGN W/ OWNER.
- ALL GLAZING SYSTEM TO BE SERIES MG-6000 ALUMINUM WINDOW WALL SYSTEM FL #18411 BY MR. GLASS DOORS & WINDOWS INC. OR APPROVED EQUAL. GC TO SUBMIT SHOP DRAWINGS FOR ARCHITECT'S REVIEW AND APPROVAL PRIOR TO FABRICATION.



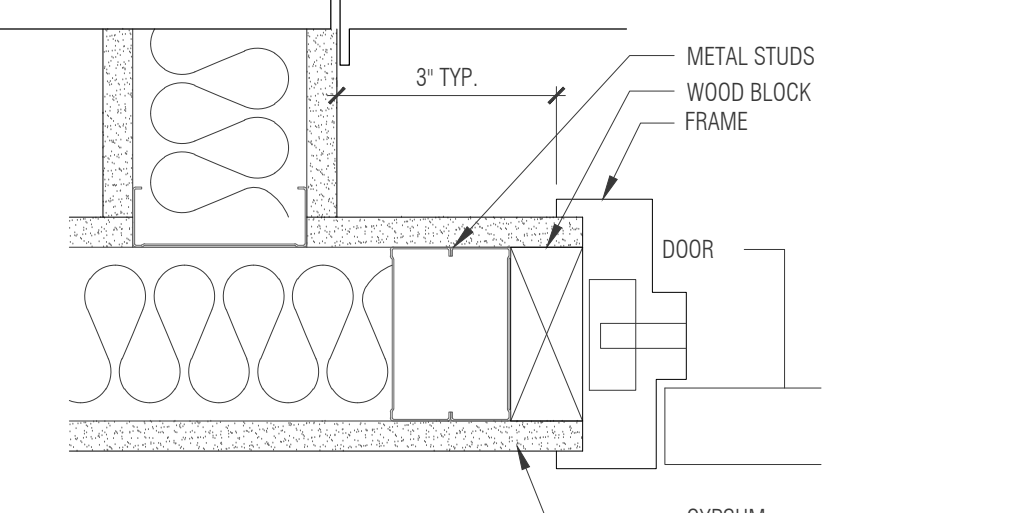
4 WINDOW SILL & HEADER

NTS



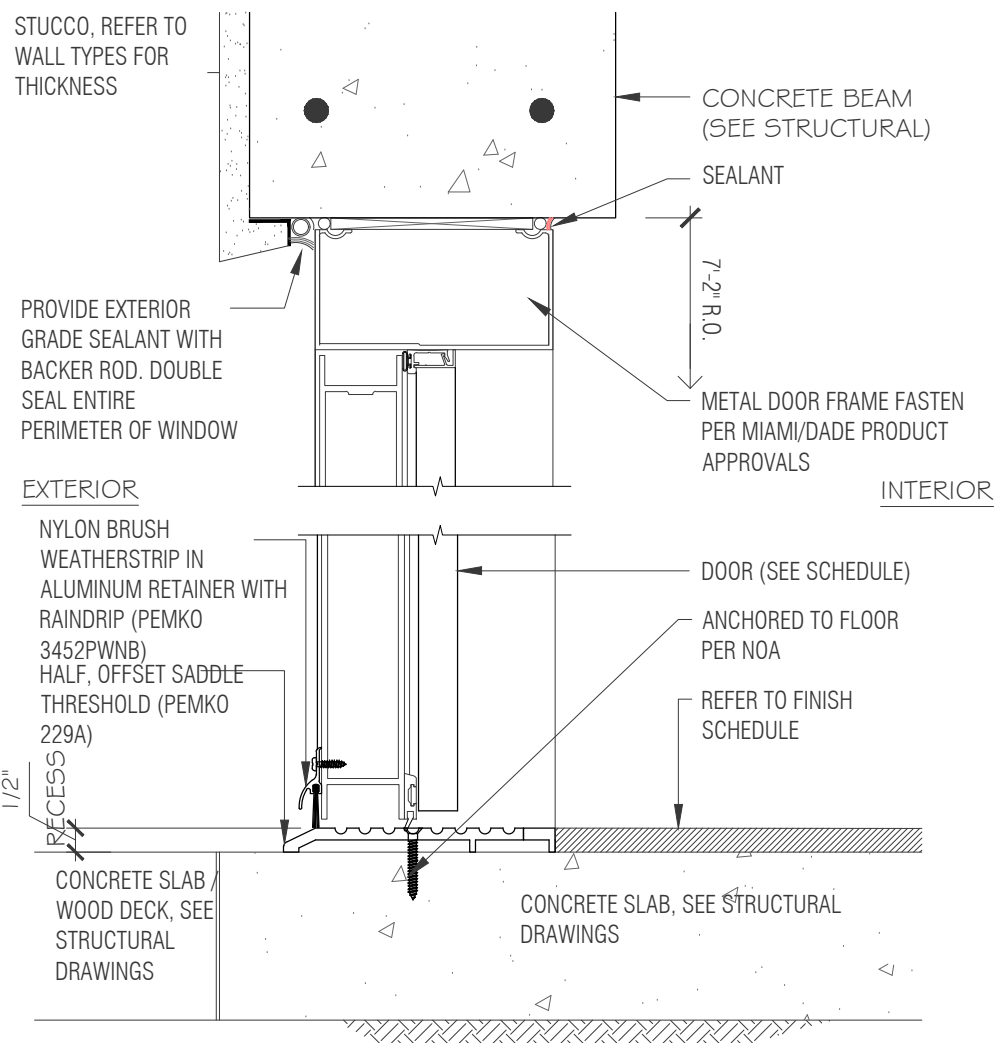
2 EXT. DOOR JAMB DETAIL

NTS



1 INT. DOOR JAMB/HEADER

NTS



3 DOOR DETAIL

NTS

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2023.08.24
16:08:37-0400'



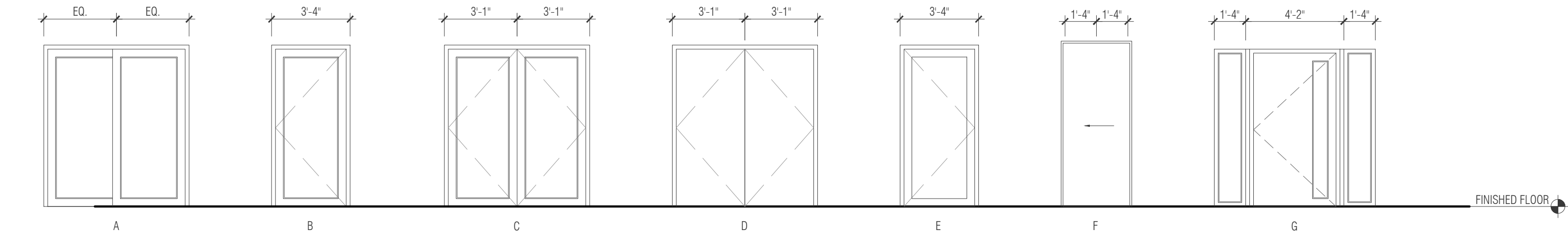
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DATE 03.29.23 MV PROJECT
CHECKED BY 22-84
EV

REVISIONS

DOOR/ WINDOW
SCHEDULES AND
DETAILS

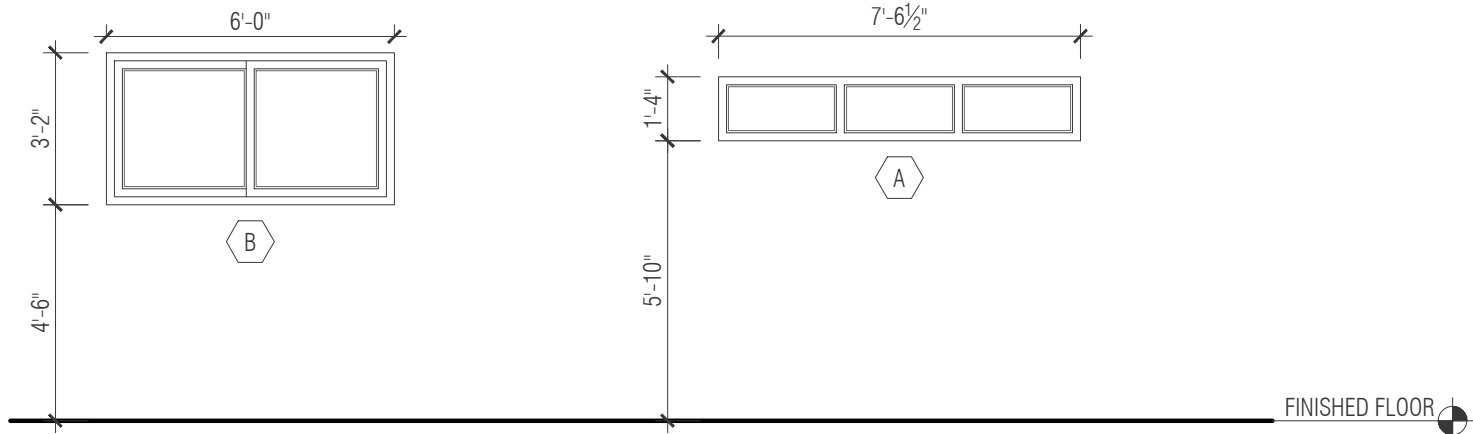
CONSTRUCTION DOCUMENTS

A-6.01



DOOR TYPE ELEVATIONS

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



WINDOW TYPE ELEVATIONS

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

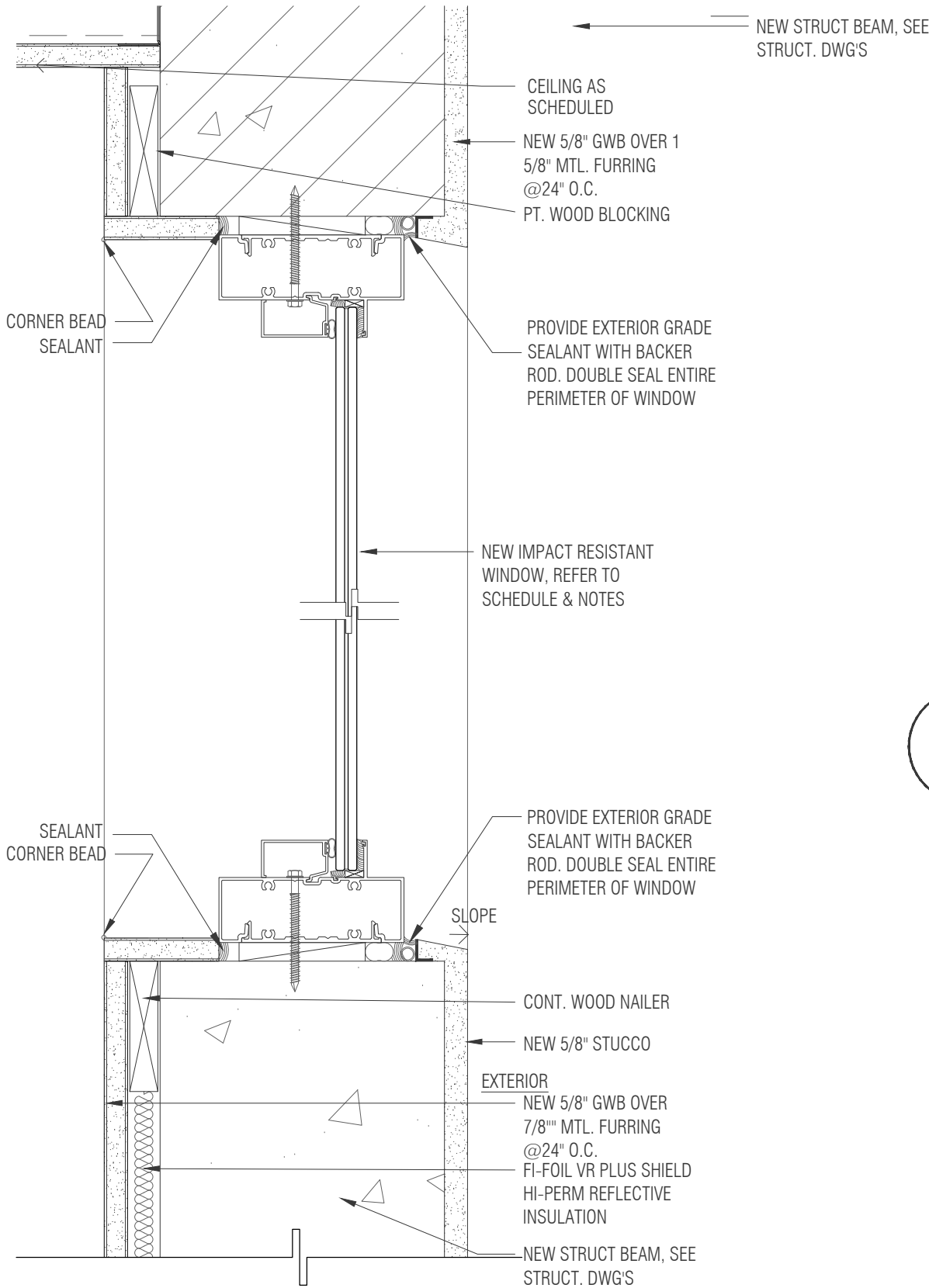
DOOR SCHEDULE

MARK	ROOM NAME	DOOR						FRAME	FIRE RATING	NOTES
		SIZE			MATL	EL	GLZ			
		W	HT	THK						
01	LIVING-DINING	6'-0"	6'-10"	1 3/4"	ALUM./GLASS	A	7/16"	ALUM.		CATEGORY II SAFETY GLASS
02	HALL	3'-10"	6'-10"	1 3/4"	ALUM./GLASS	B	7/16"	ALUM.		CATEGORY II SAFETY GLASS
03	EXIT BEDROOM 3	6'-2"	6'-10"	1 3/4"	ALUM./GLASS	C	7/16"	ALUM.		CATEGORY II SAFETY GLASS
04	EXIT BATHROOM 3	3'-4"	6'-10"	1 3/4"	ALUM./GLASS	B	7/16"	ALUM.		CATEGORY II SAFETY GLASS
05	EXIT KITCHENETTE	3'-4"	6'-10"	1 3/4"	ALUM./GLASS	B	7/16"	ALUM.		CATEGORY II SAFETY GLASS
06	CLOSET	2'-2"	6'-10"	1 3/4"	HC	E	-	WD		
07	CLOSET	2'-2"	6'-10"	1 3/4"	HC	E	-	WD		
08	BATHROOM 3	3'-2"	6'-10"	1 3/4"	SC	E	-	WD		
09	GARAGE	3'-4"	6'-10"	1 3/4"	HC	E	-	WD	20 MIN	PROVIDE SELF CLOSING SPRING HINGES
10	NOT USED									
11	LAUNDRY ROOM	3'-4"	6'-10"	1 3/4"	SC	F	-	WD		
12	WALK-IN CLOSET	3'-2"	6'-10"	1 3/4"	HC	E	-	WD		
13	EXIT FOYER	6'-10"	6'-10"	1 3/4"	ALUM./GLASS	G	7/16"	ALUM.		CATEGORY II SAFETY GLASS

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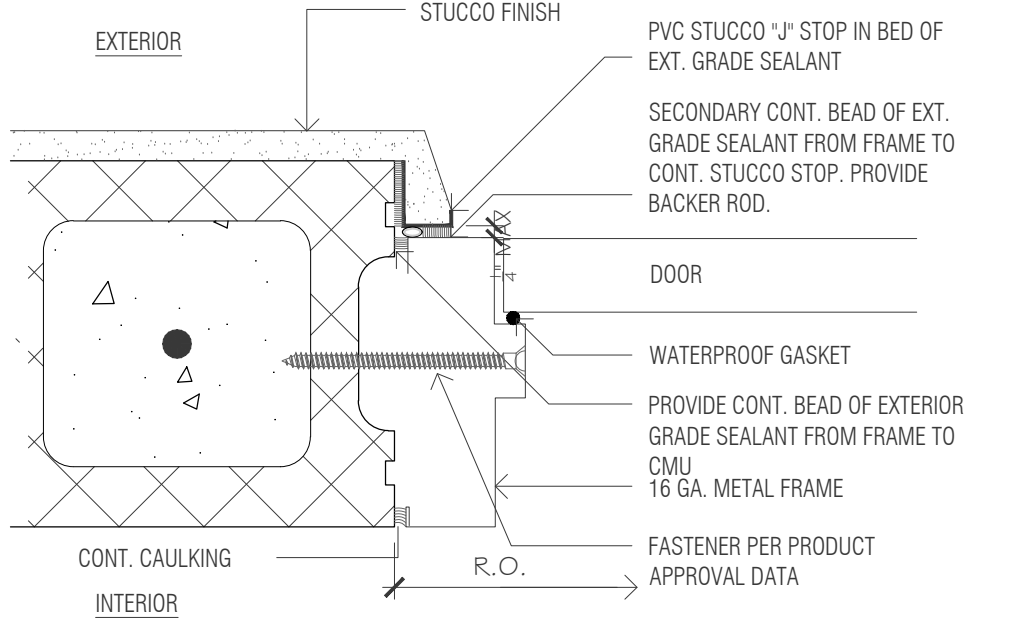
MARK	SIZE		TYPE	MATL	GLZ	SHGC = U FACTOR USED FOR ENERGY CALCS
	W	HT				
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B	6'-0"	3'-2"	HORIZONTAL ROLLER	ALUM.	9/16" SAFETY GLASS CAT. II	0.5

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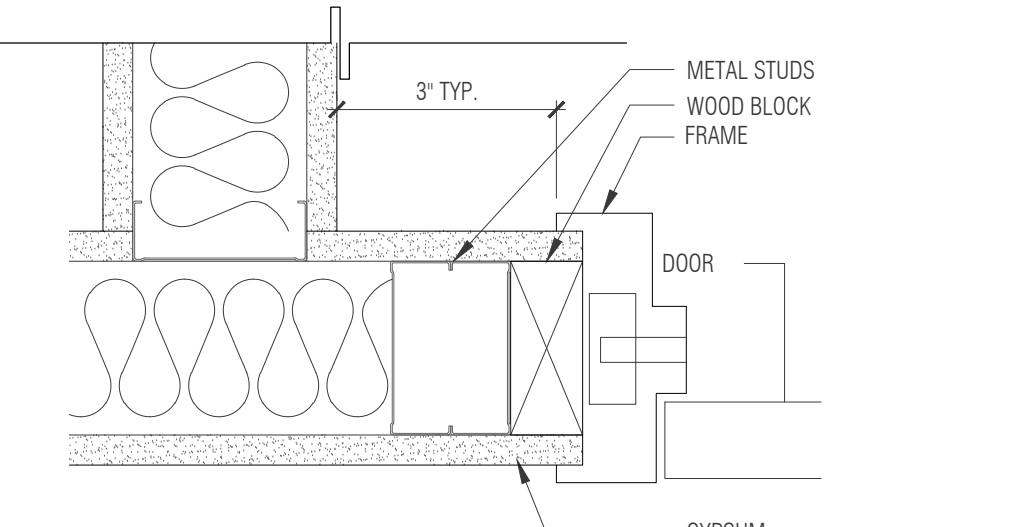
4 WINDOW SILL & HEADER

NTS



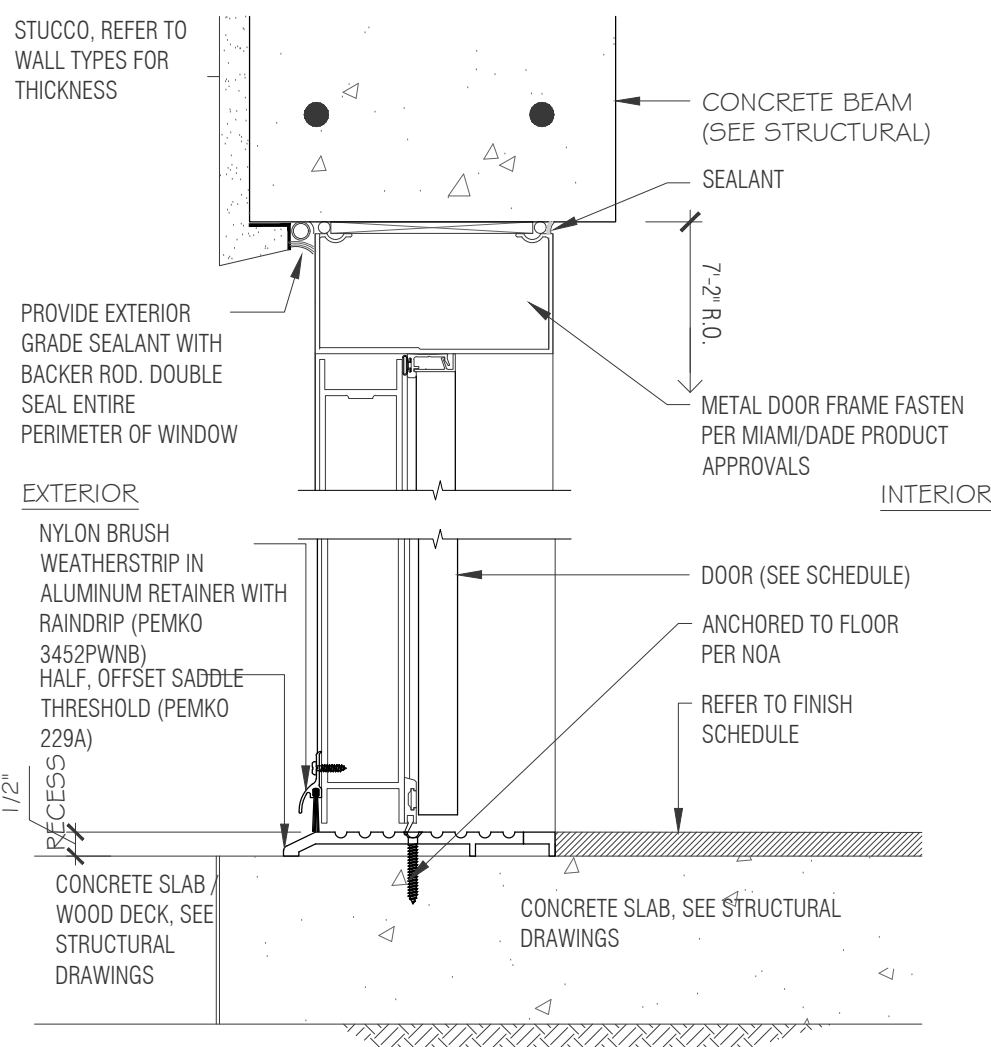
2 EXT. DOOR JAMB DETAIL

NTS



1 INT. DOOR JAMB/HEADER

NTS



3 DOOR DETAIL

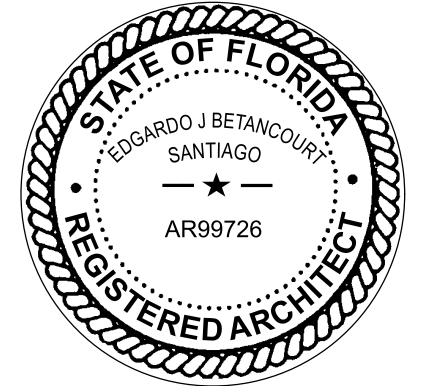
NTS

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.03.18
18:02:01 -0400



DRAWN BY
DATE 03.29.23 MV PROJECT
CHECKED BY 22-84
EV

REVISIONS
03.18.24
BUILDING DEPARTMENT COMMENTS

DOOR/ WINDOW
SCHEDULES AND
DETAILS

CONSTRUCTION DOCUMENTS

A-6.01

BY:JM DATE:1/30/24
CHECK BY:JM DATE:1/30/24

SUBJECT:10300 sw 70TH ave..
PINECREST, FLORIDA

SHEET No.1OF
JOB #:2001

CALCULATION TITLE SHEET

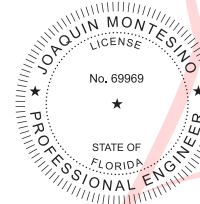
Job Name : ADDITION & RESTORATION

**Client :
10300 SW70TH AVE.
PINECREST, FLORIDA 33156**

Job Type :RESIDENTIAL

Building Code : .F.B.C.-2020-Edition

Building Dept : VILLAGE OF PINECREST

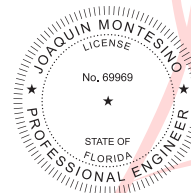


Digitally
signed by
JOAQUIN
MONTESINO
Date:
2024.01.31
12:09:39
-05'00'

The undersigned hereby certifies that the enclosed structural calculations were prepared either by myself or under my direct supervision. For the computer runs, if any, input was prepared and the output data analyzed and interpreted in the same manner prior preparation of the construction documents. Therefore, I accept professional responsibility for my interpretation of any computer outputs.

INDEX

	PAGE
I - WIND PRESSURES C&C	3
II DESIGN CMU WALL	10



Digitally
signed by
JOAQUIN
MONTESINO
Date:
2024.01.31
12:09:57[®]
-05'00'

WIND LOADS PER ASCE7-16

EXPOSURE :C Roof angle: (7Deg.) $< \theta \leq (27 \text{ deg})$

Roof angle: $\text{slope} := \frac{4}{12}$ $\theta := \text{atan}(\text{slope})$ $\theta = 18.435 \cdot \text{deg}$

$V := 175$ mph Mean hight $h := 9.5\text{ft}$

Topographic Factor

$\alpha := 9.5$ $Z_g := 900$

$K_{zt} := 1.0$

Velocity pressure Exposure

$$K_z := \text{if} \left[(h < 15\text{ft}), \left[2.01 \cdot \left(\frac{15}{Z_g} \right)^{\frac{2}{\alpha}} \right], \left[2.01 \cdot \left(\frac{\frac{h}{\text{ft}}}{Z_g} \right)^{\frac{2}{\alpha}} \right] \right]$$

$K_z = 0.85$

Wind Directionality Factor

$K_d := 0.85$

Ground Elevation Factor

$K_e := 1$

Basic Velocity Pressure

$$q_h := \left[0.00256 \cdot K_z \cdot K_{zt} \cdot K_d \cdot [K_e \cdot (V)]^2 \right] \cdot \text{psf}$$

$q_h = 56.57 \cdot \text{psf}$

"Wood jack trusses"

$$\frac{h}{B} \leq 0.5$$

zone : 1 , Negative without overhang

$$A_j := \frac{(8\text{ft})^2}{3} \quad A_j = 21.333 \text{ ft}^2 \quad G_{cpi} := -0.18$$

$$G_{cp} := \begin{cases} -1.3 & \text{if } A_j \leq 20\text{ft}^2 \\ \left(-1.8584 + 0.4292 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) \right) & \text{if } 20\text{ft}^2 \leq A_j \leq 100\text{ft}^2 \\ -1.0 & \text{if } A_j \geq 100\text{ft}^2 \end{cases}$$

$$G_{cp} = -1.288$$

$$P1j := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10\text{psf}] \cdot 0.6$$

$$P1j = -43.825 \cdot \text{psf}$$

(net wind pressure)

zone2r : Negative without overhang

$$G_{cp} := \begin{cases} -2.4 & \text{if } A_j \leq 10\text{ft}^2 \\ -3.2455 + 0.8455 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) & \text{if } 10\text{ft}^2 \leq A_j \leq 200\text{ft}^2 \\ -1.3 & \text{if } A_j \geq 200\text{ft}^2 \end{cases} \quad G_{cpi} := -0.18$$

$$G_{cp} = -2.122$$

$$P2j := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10\text{psf}] \cdot 0.6$$

$$P2j = -72.127 \cdot \text{psf}$$

(net wind pressure)

zone3,2e : Negative without overhang

$$G_{cpi} := -0.18$$

$$G_{cp} := \begin{cases} -1.8 & \text{if } A_j \leq 10\text{ft}^2 \\ -2.3380 + 0.5380 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) & \text{if } 10\text{ft}^2 \leq A_j \leq 200\text{ft}^2 \\ -1.1 & \text{if } A_j \geq 200\text{ft}^2 \end{cases}$$

$$G_{cp} = -1.623$$

$$P_{3j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10 \text{psf}] \cdot 0.6$$

$$P_{3j} = -55.196 \cdot \text{psf} \quad (\text{net wind pressure})$$

"Wood trusses"

zone : 1 , Negative without overhang

$$A_j := \frac{(12.67 \text{ft})^2}{3} \quad A_j = 53.51 \text{ft}^2 \quad G_{cpi} := -0.18$$

$$G_{cp} := \begin{cases} -1.3 & \text{if } A_j \leq 20 \text{ft}^2 \\ \left(-1.8584 + 0.4292 \cdot \log \left(\frac{A_j}{\text{ft}^2} \right) \right) & \text{if } 20 \text{ft}^2 \leq A_j \leq 100 \text{ft}^2 \\ -1.0 & \text{if } A_j \geq 100 \text{ft}^2 \end{cases}$$

$$G_{cp} = -1.117$$

$$P_{1j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10 \text{psf}] \cdot 0.6$$

$$P_{1j} = -38.007 \cdot \text{psf} \quad (\text{net wind pressure})$$

zone2r : Negative without overhang

$$G_{cp} := \begin{cases} -2.4 & \text{if } A_j \leq 10 \text{ft}^2 \\ -3.2455 + 0.8455 \cdot \log \left(\frac{A_j}{\text{ft}^2} \right) & \text{if } 10 \text{ft}^2 \leq A_j \leq 200 \text{ft}^2 \\ -1.3 & \text{if } A_j \geq 200 \text{ft}^2 \end{cases} \quad G_{cpi} := -0.18$$

$$G_{cp} = -1.784$$

$$P_{2j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10 \text{psf}] \cdot 0.6$$

$$P_{2j} = -60.665 \cdot \text{psf} \quad (\text{net wind pressure})$$

zone3,2e : Negative without overhang

$$\underline{\underline{G_{cpi}}} := -0.18$$

$$\underline{\underline{G_{cp}}} := \begin{cases} -1.8 & \text{if } A_j \leq 10\text{ft}^2 \\ -2.3380 + 0.5380 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) & \text{if } 10\text{ft}^2 \leq A_j \leq 200\text{ft}^2 \\ -1.1 & \text{if } A_j \geq 200\text{ft}^2 \end{cases}$$

$$\boxed{G_{cp} = -1.408}$$

$$\underline{\underline{P_{3j}}} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10\text{psf}] \cdot 0.6$$

$$P_{3j} = -47.903 \cdot \text{psf} \quad (\text{net wind pressure})$$

Wall Pressure for building h<60ft

Roof

h =7'-10"

Negative :zone4

$$\underline{\underline{A}} := \frac{(7.83\text{ft})^2}{3} \quad A = 20.436 \text{ ft}^2$$

$$G_{cp4} := -1.2766 + 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4} = -1.045$$

$$p_4 := qh \cdot [G_{cp4} - (-G_{cpi})] \cdot 0.6$$

$$p_4 = -41.585 \cdot \text{psf}$$

Negative :zone5

$$G_{cp5} := -1.7532 + 0.3532 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp5} = -1.29$$

$$p_5 := qh \cdot [G_{cp5} - (-G_{cpi})] \cdot 0.6$$

$$p_5 = -49.907 \cdot \text{psf}$$

positive :zone4 & zone5

$$\underline{\underline{A}} := \frac{(7.83\text{ft})^2}{3} \quad A = 20.436 \text{ ft}^2$$

$$G_{cp4.5} := 1.1766 - 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4.5} = 0.945$$

$$p_{4.5} := qh \cdot [G_{cp4.5} + (-G_{cpi})] \cdot 0.6$$

$$p_{4.5} = 38.191 \cdot \text{psf}$$

Door Pressures for building h<60ft

Negative :zone4

$$A := 21\text{ft}^2$$

$$G_{cp4} := -1.2766 + 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4} = -1.043$$

$$p_4 := q_h \cdot [G_{cp4} - (-G_{cpi})] \cdot 0.6$$

$$p_4 = -41.514 \cdot \text{psf}$$

Negative : zone5

$$G_{cp5} := -1.7532 + 0.3532 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp5} = -1.286$$

$$p_5 := q_h \cdot [G_{cp5} - (-G_{cpi})] \cdot 0.6$$

$$p_5 = -49.765 \cdot \text{psf}$$

positive :zone4 & zone5

$$A := 21\text{ft}^2$$

$$G_{cp4,5} := 1.1766 - 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4,5} = 0.943$$

$$p_{4,5} := q_h \cdot [G_{cp4,5} + (-G_{cpi})] \cdot 0.6$$

$$p_{4,5} = 38.12 \cdot \text{psf}$$

window Pressures for building h<60ft

Negative :zone4

$$A := 10\text{ft}^2$$

$$G_{cp4} := -1.2766 + 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right) \quad G_{cp4} = -1.1$$

$$p_4 := qh \cdot [G_{cp4} - (-G_{cpi})] \cdot 0.6 \quad p_4 = -43.445 \cdot \text{psf}$$

Negative : zone5

$$G_{cp5} := -1.7532 + 0.3532 \cdot \log\left(\frac{A}{\text{ft}^2}\right) \quad G_{cp5} = -1.4$$

$$p_5 := qh \cdot [G_{cp5} - (-G_{cpi})] \cdot 0.6 \quad p_5 = -53.628 \cdot \text{psf}$$

positive :zone4 & zone5

$$A := 10\text{ft}^2$$

$$G_{cp4,5} := 1.1766 - 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right) \quad G_{cp4,5} = 1$$

$$p_{4,5} := qh \cdot [G_{cp4,5} + (-G_{cpi})] \cdot 0.6 \quad p_{4,5} = 40.051 \cdot \text{psf}$$

COMBINED AXIAL LOAD & BENDING COMPRESSION FOR MASONRY WALL:

VERTICAL LOADS :

DEAD LOADS:

$$DL := 465 \text{ lbf}$$

ASCE7 - 16

ZONE5 : P = 50 psf 8 " cmu

LIVE LOADS:

$$LL := 0 \text{ lbf}$$

TRY : MASONRY WALL PARTIALLY
 GROUTED # 6 @ 48"

Maximun Calculated Axial Loads :

$$P := DL + LL$$

$$P = 465 \cdot \text{lbf}$$

Calculated Axial Stress:

$$f_a := \frac{P}{A_n} \quad A_n := 2 \cdot 1.25 \text{ in} \cdot 12 \text{ in}$$

$$A_n = 30 \cdot \text{in}^2$$

$$f_a = 15.5 \cdot \text{psi}$$

The Allowable Compression Stress is:

$$f_m := 1500 \text{ psi}$$

$$h := 8 \text{ ft}$$

$$r := 2.66 \text{ in}$$

$$F_a := .25 \cdot f_m \cdot \left[1 - \left(\frac{h}{140 \cdot r} \right)^2 \right]$$

$$F_a = 350.08 \cdot \text{psi}$$

Check Compressive Stress in Masonry

$$f_b = \frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k} \quad b := 48 \text{ in}$$

$$d := 3.81 \text{ in}$$

Concrete Block: Block width: $h_{\text{block}} := 7.625 \text{ in}$
web thickness: $t_{\text{web}} := 1 \text{ in}$
Shell thickness: $t_{\text{fs}} := 1.25 \text{ in}$
Block cell width: $b_{\text{cell}} := 8 \text{ in} - 2 \cdot t_{\text{web}}$ $b_{\text{cell}} = 6 \cdot \text{in}$

Proposed spacing: **Spacing := 48 in** No_R_Cell := 1

Height of Wall: $h := 8 \text{ ft}$ $Ac := \left[(\text{Spacing}) \cdot t_{\text{fs}} \right] + \left[\left(\frac{h_{\text{block}}}{2} - t_{\text{fs}} \right) \cdot (b_{\text{cell}} + t_{\text{web}}) \right] \cdot \text{No_R_Cell}$

$$Ac = 77.937 \cdot \text{in}^2$$

$$As := .44 \text{ in}^2$$

$$Es := 29000000 \text{ psi} \quad Em := 900 \cdot \text{fm}$$

$$\rho := \frac{As}{Ac}$$

$$\rho = 5.646 \times 10^{-3}$$

$$n := \frac{Es}{Em}$$

$$P := 50 \text{ psf}$$

$$n = 21.481$$

$$w := \text{Spacing} \cdot P$$

$$\rho \cdot n = 0.121$$

$$w = 200 \cdot \text{plf} \quad l := 8 \text{ ft}$$

$$Mw := \frac{1}{8} \cdot w \cdot l^2$$

$$Mw = 1600 \cdot \text{lb} \cdot \text{ft}$$

$$k := \sqrt{2 \cdot n \cdot \rho + (n \cdot \rho)^2} - n \cdot \rho$$

$$k = 0.386$$

$$j := 1 - \frac{k}{3}$$

$$Fb := \left(\frac{1}{3} \right) \cdot \text{fm}$$

$$j = 0.871$$

$$f_b := \left(\frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k} \right)$$

$$f_b = 163.883 \cdot \text{psi}$$

$$\frac{f_b}{F_b} = 0.328$$

$$F_b = 500 \cdot \text{psi}$$

$$\left(\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) \right) = 0.372 \quad \blacksquare < 1.0$$

$$\text{Check} := \text{if} \left[\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) > 1.0, \text{"NO GOOD"}, \text{"OK"} \right]$$

$$\text{Check} = \text{"OK"}$$

CHECK BARS TENSION

$$M_w := \frac{1}{8} \cdot w_l \cdot l^2$$

$$w_l := 50 \text{psf}$$

$$l := 8 \text{ft}$$

$$F_s := 32 \text{ksi}$$

$$d := 3.81 \text{in}$$

$$M_w = 400 \cdot \text{lb} \cdot \frac{\text{ft}}{\text{ft}}$$

$$A_{s'} := \frac{M_w}{j \cdot d \cdot F_s}$$

$$A_{s'} = 0.045 \cdot \frac{\text{in}^2}{\text{ft}}$$

$$A_s := .44 \text{in}^2$$

SPACING OF BARS

$$S := \frac{A_s}{A_{s'}}$$

$$S = 116.859 \cdot \text{in}$$

Zone 5 :Used # 6 @ 48"

COMBINED AXIAL LOAD & BENDING COMPRESSION FOR MASONRY WALL:

VERTICAL LOADS:

DEAD LOADS:

$$DL := 465 \text{ lbf}$$

ASCE7 - 16

ZONE4 : P = -41.6 psf 8 " cmu

LIVE LOADS:

$$LL := 0 \text{ lbf}$$

TRY : MASONRY WALL PARTIALLY
 GROUTED # 6 @ 48"

Maximum Calculated Axial Loads :

$$P := DL + LL$$

$$P = 465 \cdot \text{lbf}$$

Calculated Axial Stress:

$$f_a := \frac{P}{A_n}$$

$$A_n := 2 \cdot 1.25 \text{ in} \cdot 12 \text{ in}$$

$$A_n = 30 \cdot \text{in}^2$$

$$f_a = 15.5 \cdot \text{psi}$$

The Allowable Compression Stress is:

$$f_m := 1500 \text{ psi}$$

$$h := 8 \text{ ft}$$

$$r := 2.66 \text{ in}$$

$$F_a := .25 \cdot f_m \cdot \left[1 - \left(\frac{h}{140 \cdot r} \right)^2 \right]$$

$$F_a = 350.08 \cdot \text{psi}$$

Check Compressive Stress in Masonry

$$f_b = \frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k}$$

$$b := 48 \text{ in}$$

$$d := 3.81 \text{ in}$$

Concrete Block: Block width: $h_{\text{block}} := 7.625 \text{ in}$
 web thickness: $t_{\text{web}} := 1 \text{ in}$
 Shell thickness: $t_{\text{fs}} := 1.25 \text{ in}$
 Block cell width: $b_{\text{cell}} := 8 \text{ in} - 2 \cdot t_{\text{web}}$ $b_{\text{cell}} = 6 \cdot \text{in}$

Proposed spacing: $\text{Spacing} := 48 \text{ in}$ $\text{No_R_Cell} := 1$

Height of Wall: $h := 8 \text{ ft}$ $A_c := \left[(\text{Spacing}) \cdot t_{\text{fs}} \right] + \left[\left(\frac{h_{\text{block}}}{2} - t_{\text{fs}} \right) \cdot (b_{\text{cell}} + t_{\text{web}}) \right] \cdot \text{No_R_Cell}$

$$A_c = 77.937 \cdot \text{in}^2$$

$$A_s := .44 \text{ in}^2$$

$$E_s := 29000000 \text{ psi} \quad E_m := 900 \cdot \text{fpm}$$

$$\rho := \frac{A_s}{A_c}$$

$$\rho = 5.646 \times 10^{-3}$$

$$n := \frac{E_s}{E_m}$$

$$n = 21.481$$

$$\rho \cdot n = 0.121$$

$$M_w := \frac{1}{8} \cdot w \cdot l^2$$

$$M_w = 1331 \cdot \text{lb} \cdot \text{ft}$$

$$k := \sqrt{2 \cdot n \cdot \rho + (n \cdot \rho)^2} - n \cdot \rho$$

$$k = 0.386$$

$$j := 1 - \frac{k}{3}$$

$$F_b := \left(\frac{1}{3} \right) \cdot \text{fpm}$$

$$P := 41.6 \text{ psf}$$

$$w := \text{Spacing} \cdot P$$

$$w = 166.4 \cdot \text{plf} \quad l := 8 \text{ ft}$$

$$j = 0.871$$

$$f_b := \left(\frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k} \right)$$

$$f_b = 136.351 \cdot \text{psi}$$

$$\frac{f_b}{F_b} = 0.273$$

$$F_b = 500 \cdot \text{psi}$$

$$\left(\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) \right) = 0.317 \quad \blacksquare < 1.0$$

$$\text{Check} := \text{if} \left[\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) > 1.0, \text{"NO GOOD"}, \text{"OK"} \right]$$

Check = "OK"

CHECK BARS TENSION

$$M_w := \frac{1}{8} \cdot w_l \cdot l^2$$

$$w_l := 41.6 \text{ psf}$$

$$l := 8 \text{ ft}$$

$$F_y := 32 \text{ ksi}$$

$$d := 3.81 \text{ in}$$

$$M_w = 333 \cdot \text{lb} \cdot \frac{\text{ft}}{\text{ft}}$$

$$A_s' := \frac{M_w}{j \cdot d \cdot F_s}$$

$$A_s' = 0.038 \cdot \frac{\text{in}^2}{\text{ft}}$$

$$A_s := .44 \text{ in}^2$$

SPACING OF BARS

$$S := \frac{A_s}{A_s'}$$

$$S = 140.456 \cdot \text{in}$$

Zone 4 :Used # 6 @ 48"



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Nu-Vue Industries, Inc.
1055 East 29 Street
Hialeah, Florida 33013

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series NVTa, NVTAS, NVBH, NVUH, NVRT and NVTH Steel Wood Connectors

APPROVAL DOCUMENT: Drawing No. **NU-2**, titled “NVTa and NVTAS, NVBH 24 and NVUH 26, NVRT and NVTH”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: A permanent mark with the manufacturer’s name, acronym or logo is to be located on each unit. A permanent label with the manufacturer’s name or logo, city, state, model/series, and the statement reading ‘Miami-Dade County Product Control Approved’ is to be located on each packaging carton.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** and **revises** **NOA # 17-0802.09** and consists of this page 1 and evidence pages E1, E-2 and E3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No: 20-0519.03
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Page 1

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs****A. DRAWINGS**

1. Drawing No. **NU-2**, titled "NVTa and NVTAS, NVBH 24 and NVUH 26, NVRT and NVTH", sheets 1 through 4 of 4, dated 04/15/2015, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TEST "Submitted under NOA No. 05-0701.04"

Test reports on wood connectors per ASTM D1761 by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E. and S. E. Black, P.E.

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Direction</u>	<u>Date</u>
1.	PT 02-4073	NVTa	Upward	11/06/02
2.	PT 02-4075	NVTa	Upward	11/07/02
3.	PT 02-4074	NVTa	Upward	11/06/02
4.	PT 02-3938	NVTa	Upward	08/06/02
5.	PT 03-4177	NVRT36	Upward	02/03/03
6.	PT 03-4202	NVRT36-T	Upward	02/19/03
7.	PT 03-4271	NVRT36-T	Upward	03/27/03
8.	PT 03-4270	NVRT24-T	Upward	03/27/03
9.	PT 02-4095	NVUH26	Up & Downward	01/17/03
10.	PT 02-4096	NVBH24	Up & Downward	12/03/02
11.	31-22456.0002	NVTa & NVTAS	Lateral	07/06/02
12.	PT 04-4698	NVTH24	Upward Parallel/Perpendicular	04/15/04
13.	PT 04-5036	NVTH24	Upward Load	12/10/04

C. CALCULATIONS "Submitted under NOA No. 04-1202.01"

Report of Design Capacities prepared by Vipin N. Tolat, P.E.

	<u>Product Model</u>	<u>No. of Pages</u>	<u>Date</u>	<u>Signature</u>
1.	NVBM24	7 through 8	05/05/03	V. N. Tolat, P.E.
2.	NVRT	9 through 14	05/05/03	V. N. Tolat, P.E.
3.	NVTa & NVTAS	1 through 6	05/05/03	V. N. Tolat, P.E.
4.	NVTa & NVTAS	1 through 14	02/06/03	V. N. Tolat, P.E.
5.	NVRT	15 through 15	07/07/03	V. N. Tolat, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.



Carlos M. Utrera, P.E.
Product Control Examiner

NOA No: 20-0519.03

Expiration Date: July 30, 2025

Approval Date: July 30, 2020

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****F. STATEMENTS**

1. Statement letter of code conformance to 2010 and 5th (2014) edition of the FBC, issued by Vipin N. Tolat, P.E., dated 04/29/2015, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA No. 04-1202.01”

2. No Financial Interest and code compliance letter issued by Vipin N. Tolat, P.E., on 03/26/2003 signed and sealed by Vipin N. Tolat, P.E.

2. EVIDENCE SUBMITTED UNDER NOA # 17-0802.09**A. DRAWINGS**

1. Drawing No. **NU-2**, titled “NVRTA and NVRTAS, NVBH 24 and NVUH 26, NVRT and NVTH”, sheets 1 through 4 of 4, dated 07/17/2017, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 5th Edition (2014) and 6th Edition (2017) FBC and of no financial interest, issued by Vipin N. Tolat, P.E., dated 07/25/2017, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 20-0519.03

Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****3. NEW EVIDENCE SUBMITTED****A. DRAWINGS**

1. Drawing No. **NU-2**, titled “NVTa and NVTAS, NVBH 24 and NVUH 26, NVRT and NVTH”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. Verification calculations for compliance with the ASTM D7147-05 and ASTM D7147-11 prepared by Vipin N. Tolat, P.E. dated 04/28/2020, signed and sealed by Vipin N. Tolat, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) and the 7th Edition (2020) FBC and of no financial interest, issued by Vipin N. Tolat, P.E., dated 06/25/2020, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 20-0519.03
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

TABLE 1

Truss Anchors NVTAS and Riveted Truss Anchors with Seat NVTAS

H Length (in)	Product Code	Gauge seat	Gauge strap	No. of Fasteners each strap 10d	Maximum Allowable Load (lbs)		
					Uplift Single Strap	Uplift Double Strap	L1 Single L2 Single & Double Straps
16	NVTAS-16	NVTAS 212	20	14	757	1514	250
18	NVTAS-18	NVTAS 214	20	14	805	1610	250
20	NVTAS-20	NVTAS 216	20	14	854	1708	250
22	NVTAS-22	NVTAS 218	20	14	902	*1804	250
24	NVTAS-24	NVTAS 220	20	14	951	*1902	250
26	NVTAS-26	NVTAS 222	20	14	999	*1998	250
28	NVTAS-28	NVTAS 224	20	14	1048	*2096	250
30	NVTAS-30	NVTAS 226	20	14	1096	*2192	250
36	NVTAS-36	NVTAS 232	20	14	1145	*2290	250
48	NVTAS-48	NVTAS 244	20	14	1193	*2290	250

*Note: For 8 or more nails per strap, use double truss for double straps.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0519.03
Expiration Date 07/30/2025

General Notes:

- Steel shall conform to ASTM A653, SS grade 33, min. yield 33 ksi, min. tensile strength 45 ksi and min. galvanized coating of G 60 per ASTM A653.
- Allowable loads and fasteners are based on NDS 2015.
- Design loads are for S. Pine, specific gravity 0.55. Design loads for other species shall be adjusted per NDS 2015.
- Allowable uplift loads have been adjusted for load duration factor CD of 1.6. Allowable gravity loads have been adjusted for CD values of 1.0, per NDS 2015. Design loads do not include 33% increase for steel and concrete.
- Concrete in Tie beams shall be min. of 2500 psi. Concrete Masonry, Grout and mortar in concrete masonry shall be min. of 1500 psi. Concrete masonry shall comply with ASTM C90.
- Combined load of Uplift, L1 and L2 shall satisfy the following equation.
$$\frac{\text{Actual Uplift}}{\text{Allowable Uplift}} + \frac{\text{Actual L1}}{\text{Allowable L1}} + \frac{\text{Actual L2}}{\text{Allowable L2}} \leq 1.0$$
- Allowable loads are based on 1 1/2" thick wood members unless otherwise noted.
- All designs Conform to FBC 2017, ASTM D1761 and ASTM D7147.

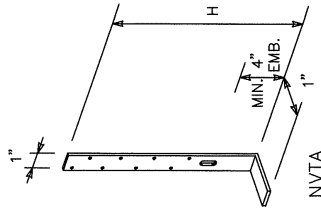
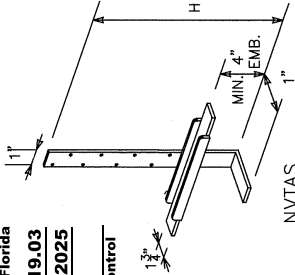
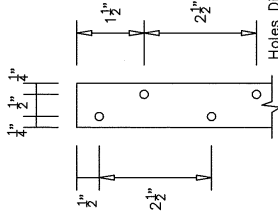
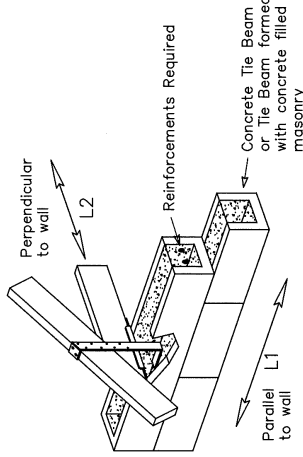


TABLE 2

Truss Anchors NVTAS and Riveted Truss Anchors with Seat NVTAS

H Length (in)	Product Code	Gauge seat	Gauge strap	No. of Fasteners each strap 10d x 1.5"	Maximum Allowable Load (lbs)		
					Uplift Single Strap	Uplift Double Strap	L1 Single L2 Single & Double Straps
16	NVTAS-16	NVTAS 212	20	14	757	1514	250
18	NVTAS-18	NVTAS 214	20	14	805	1610	250
20	NVTAS-20	NVTAS 216	20	14	854	1708	250
22	NVTAS-22	NVTAS 218	20	14	902	*1804	250
24	NVTAS-24	NVTAS 220	20	14	951	*1902	250
26	NVTAS-26	NVTAS 222	20	14	999	*1998	250
28	NVTAS-28	NVTAS 224	20	14	1048	*2096	250
30	NVTAS-30	NVTAS 226	20	14	1096	*2192	250
36	NVTAS-36	NVTAS 232	20	14	1145	*2290	250
48	NVTAS-48	NVTAS 244	20	14	1193	*2290	250

*Note: For 8 or more nails per strap, use double truss for double straps.



VIPIN N. TOLAT, PE (CIVIL)
FL REG. # 12847
15123 LANTERN CREEK LANE
HOUSTON, TX 77068

[Signature]
5/17/2020

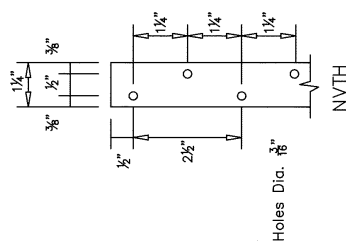
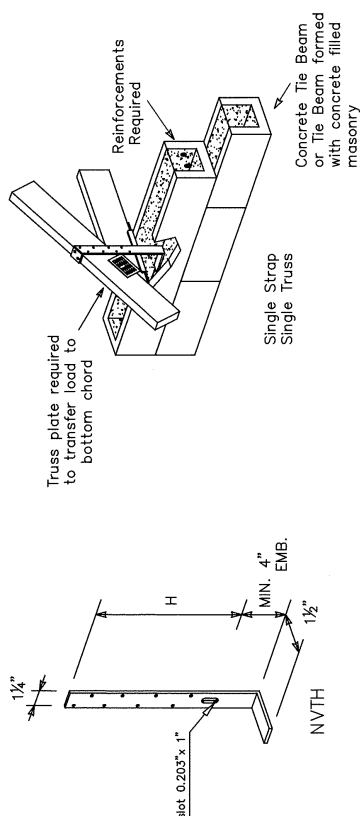
Nu-Vue Industries, Inc.
1053-1059 East 29 Street
Hialeah, Florida 33013
PHONE: (305) 694-0397
FAX: (305) 694-0398

NVTAS AND NVTAS TRUSS ANCHORS

DWG #	Sheet	Date
NU-2	1 of 4	May 5, 2020

Truss Anchors NVTH

H Length (in)	Product Code	Gauge seat	Gauge strap	No. of Fasteners in each Strap 10d x 1.5"	Maximum Uplift Loads (lbs)	
					Single Strap on Single Truss	Double Straps on Double Truss
12	NVTH-16	18	14	5	1032	2064
14	NVTH-18	18	14	6	1222	2444
16	NVTH-20	18	14	7	1275	2550
18	NVTH-22	18	14	8	1329	2658
20	NVTH-24	18	14	9	1383	2766
22	NVTH-26	18	14	10	1437	2874
24	NVTH-28	18	14	11	1490	2980
				12	1544	3088
				13	1598	3196



VIPIN N. TOLAT, PE (CIVIL)
FL. REG. # 12847
15123 LANTERN CREEK LANE
HOUSTON, TX 77068

Nu-Vue Industries, Inc.

1053-1059 East 29 Street
Hialeah, Florida 33013
Phone: (305) 694-0397
Fax: (305) 694-0398

NINTH ANCHORS

Revisions:

DWG #:	Sheet:	Date:
NU-2	4 of 4	May 5, 2020

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.03**
Expiration Date **07/30/2025**

By Miami-Dade Product Control

For General Notes, see sheet 1

Nails on Front & Back
Shall be off centered

5 Nails in Front (Min.)
Nails 10d x 1 5"

Concrete Tie Beam or Tie Beam formed with concrete filled masonry



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Nu-Vue Industries, Inc.
1055 East 29th Street
Hialeah, Florida 33013

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series NVSNP, NV/NVTH, NVTHS, NVHC, NVSTA and NVHTA Steel Wood Connectors

APPROVAL DOCUMENT: Drawing No. **NU-5**, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: A permanent mark with the manufacturer’s name, acronym or logo is to be located on each unit. A permanent label with the manufacturer’s name or logo, city, state, model/series, and the statement reading ‘Miami-Dade County Product Control Approved’ is to be located on each packaging carton.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** and **revises** **NOA # 17-0802.07** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Page 1

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs****A. DRAWINGS “Submitted under NOA #15-0507.03”**

1. Drawing No. NU-5, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, sheets 1 through 4 of 4, dated 04/15/2015, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS “Submitted under NOA # 04-0510.03”

Test reports on wood connectors per ASTM D1761 by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E.

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Direction</u>	<u>Date</u>
1.	PT # 03-4482	NVSNP3	Downward	09/15/03
2.	PT # 03-4625	NVHCL/R	Up& Sideways	01/21/04
3.	PT # 04-4641	NVSTA-24H	Up& Sideways	03/17/04
4.	PT # 04-4698	NVTH24	Up& Sideways	04/15/04
5.	PT # 03-4590	NVTH26/NV458	Sideways	12/31/03
6.	PT # 04-4642	NVHTA-24H	Up& Sideways	03/22/04
7.	PT # 03-4543	NVTH20/NV358	Up& Sideways	12/19/03

C. CALCULATIONS “Submitted under NOA # 09-0721.05”

1. Report of Design Capacities, dated 06/30/2009, sheets 1 through 12 of 12, prepared, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA # 04-0510.03”

2. Report of Design Capacities dated 04/27/2004, sheet 1 through 12, prepared, signed and sealed by Vipin N. Tolat, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT “Submitted under NOA #15-0507.03”

1. Statement letter of code conformance to 2010 and 5th (2014) edition of the FBC, issued by Vipin N. Tolat, P.E., dated 04/29/2015, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA # 09-0721.05”

2. Statement letter of code conformance, no financial interest and no change of product, dated 07/08/2009, issued, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 17-0802.07

A. DRAWINGS

1. Drawing No. **NU-5**, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, sheets 1 through 4 of 4, dated 07/17/2017, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT

1. Statement letter of code conformance to the 5th Edition (2014) and 6th Edition (2017) FBC, issued by Vipin N. Tolat, P.E., dated 07/25/2017, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **NU-5**, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS

1. Verification calculations for compliance with the ASTM D7147-05 and ASTM D7147-11, prepared by Vipin N. Tolat, P.E. dated 05/18/2020, signed and sealed by Vipin N. Tolat, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENT

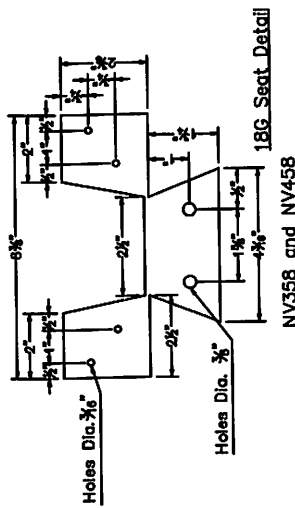
1. Statement letter of code conformance to the 6th Edition (2017) and the 7th Edition (2020) FBC and of no financial interest, issued by Vipin N. Tolat, P.E., dated 06/25/2020, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

TABLE 3: NV458 - 14G Double NVTH Straps with 3 ply 18G seat

Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in 2 Straps 10d x 3"	Allowable Loads (lbs)	
				Uplift	L1
NV458-12	NVTH16	12	8	2245	2783
NV458-14	NVTH18	14	8	2525	3131
NV458-16	NVTH20	16	8	2806	3479
NV458-20	NVTH24	20	8	3086	3827
NV458-22	NVTH26	22	8	3367	4175
NV458-24	NVTH28	24	8	3647	4523
NV458-26	NVTH30	26	8	3927	4871
NV458-32	NVTH36	32	8	4507	5519
NV458-44	NVTH48	44	8	6127	7439



VPIN N. TOLAT, PE (CIVIL)
FL REG. # 12847
16123 LANTERN CREEK LANE
HOUSTON, TX 77068

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12847
Date: June 28, 2020

Nu-Vue Industries, Inc.
1089-1089 East 99 Street
Hialeah, Florida 33013
Phone: (305) 894-0897
Fax: (305) 894-0898

NV358 & NV458 WITH DOUBLE NVTH STRAPS
DWG #: Sheet:
NU-5 2 of 4

TABLE 2: NV358 - 14G Double NVTH Straps with 2 ply 18G seat

Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in 2 Straps 10d x 3"	Allowable Loads (lbs)	
				Uplift	L1
NV358-12	NVTH16	12	8	2245	1861
NV358-14	NVTH18	14	8	2525	2206
NV358-16	NVTH20	16	8	2806	2452
NV358-20	NVTH24	20	8	3086	2697
NV358-22	NVTH26	22	8	3367	2942
NV358-24	NVTH28	24	8	3647	3187
NV358-26	NVTH30	26	8	3927	3432
NV358-32	NVTH36	32	8	4507	4080
NV358-44	NVTH48	44	8	6127	5400

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0526.05

Expiration Date 07/30/2025
By *[Signature]*
Miami-Dade Product Control

Notes:

1. Minimum embedment into concrete 4".
2. Nails are necessary in straps and seat to achieve design loads.
3. See Note 6 (Sheet 1) for combined load.
4. Nails through chords shall not force the truss plate on the opposite side.
5. For general notes, see sheet 1.

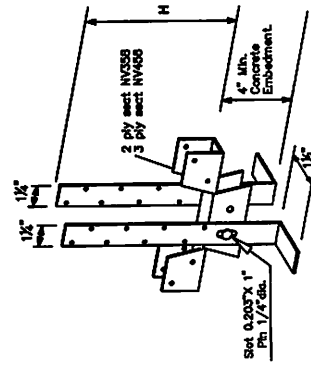
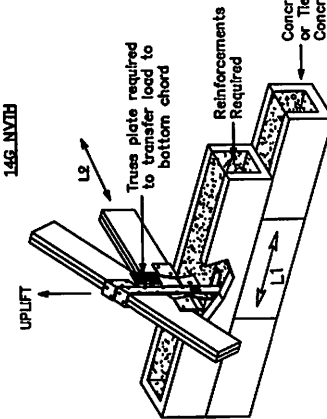
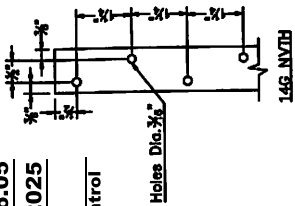
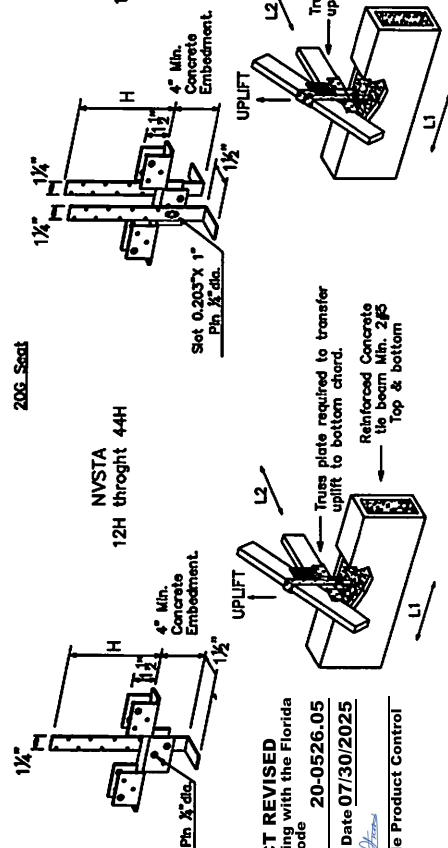
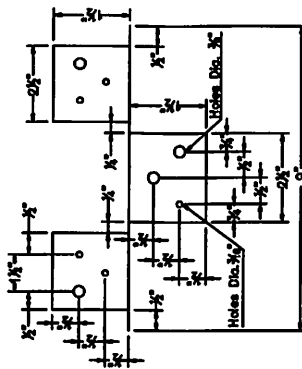


TABLE 6

NVSTA—Heavy Duty Anchors with 14G NVTH Straps and 1 ply 20G seat

Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in Strap 10d x 1 1/2"	Total No. of Fasteners in 20 GA. Seat 10d x 1 1/2"	Allowable Loads (lbs)		
					Uplift	L1	L2
NVSTA-12H	NVTH16	12	5	6	1308	700	1049
NVSTA-14H	NVTH18	14	6	6	1426	760	1144
NVSTA-16H	NVTH20	16	7	6	1545	823	1239
NVSTA-20H	NVTH24	20	8	6	1664	887	1335
NVSTA-22H	NVTH26	22	9	6	1783	950	1430



PRODUCT REVISED
as Complying with the Florida
Building Code
NOA-No. 20-0526.05
Expiration Date 07/30/2025
By *[Signature]*
Miami-Dade Product Control

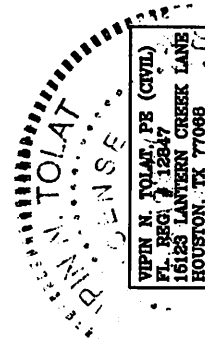
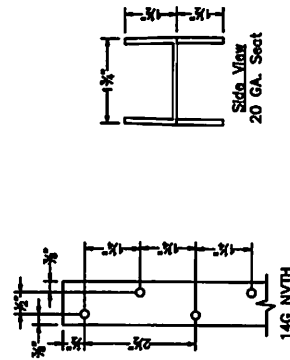
TABLE 7

NVHTA—Heavy Duty Anchors with 14G Double NVTH Straps and 1 ply 20G seat

Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in two Straps 10d x 1 1/2"	Total No. of Fasteners in 20 GA. Seat 10d x 1 1/2"	Allowable Loads (lbs)		
					Uplift	L1	L2
NVHTA-12H	NVTH16	12	10	6	1772	2078	1450
NVHTA-14H	NVTH18	14	12	6	1994	2338	1631
NVHTA-16H	NVTH20	16	14	6	2215	2588	1812
NVHTA-20H	NVTH24	20	16	6	2437	2858	1994
NVHTA-22H	NVTH26	22	18	6	2658	3117	2175

Notes:

1. Nails are necessary in straps and seat to achieve, deasing loads.
2. See note 6, sheet 1 for combined loading.
3. Nails through chords shall not force the truss plates.
4. For general notes, see sheet 1.
5. For higher uplift loads, concrete shall be 3000 psi.
6. Based on min. 2500 psi concrete.



Nu-Vue Industries, Inc.
1063-1069 East 28 Street
Hialeah, Florida 33013
Phone: (305) 894-0397
Fax: (305) 894-0388

NVSTA & NVHTA HEAVY DUTY ANCHORS WITH SEAT
DWG #: Sheet: Date:
NU-5 4 of 4 June 26, 2020



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Nu-Vue Industries, Inc.
1055 East 29th Street
Hialeah, FL 33013

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series AB, NVSTA, NVHTA, NVTHJ, IKE, NVTT and NVHC-37 Steel Wood Connectors

APPROVAL DOCUMENT: Drawing No. **NU-1**, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 08/18/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA # 18-0312.06** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No. 20-0901.05
Expiration Date: May 22, 2023
Approval Date: November 5, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**1. Evidence Submitted Under Previous NOAs****A. DRAWINGS “Submitted under NOA #16-0201.22”**

1. Drawing No. NU-1, titled “Truss and Top Plate Anchors”, sheets 1 through 4 of 4, dated 02/18/2008, with last revision dated 01/25/2016, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS “Submitted under NOA # 08-0325.02”

Test reports on wood connectors per ASTM D1761-88 by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E.

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Load Direction</u>	<u>Date</u>
1.	05-5195A	AB-5	F1 and F2	02/15/08
2.	05-5196A	AB-7	F1 and F2	02/15/08
3.	04-4995	NVTHJ-26	Upward	01/31/05
4.	04-4996	NVTHJ-28	Upward	01/31/05
5.	05-5612	IKE-1	Upward, L1 and L2	03/20/06
6.	06-5622	IKE-2	Upward, L1 and L2	05/01/06
7.	04-4908	NVTT	Upward and L1	07/21/04
8.	03-4631	NVTT	Upward and L1	06/21/04
9.	08-6711	NVHC-37	Upward, L1 and L2	03/14/08
10.	04-4641	NVSTA	Upward, L1 and L2	03/17/04
11.	04-4642	NVHTA	Upward, L1 and L2	03/22/04

C. CALCULATIONS “Submitted under NOA # 08-0325.02”

1. Shear value of common wire nails and steel plate tensile calculations, prepared by Vipin N. Tolat, P.E., Consulting Engineer, dated 03/20/2008, signed and sealed by Vipin N. Tolat, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS “Submitted under NOA #16-0201.22”

1. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest, dated 01/29/2016, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA # 13-0206.17”

2. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/31/2013, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0901.05

Expiration Date: May 22, 2023
Approval Date: November 5, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**2. Evidence submitted under NOA # 17-0802.10****A. DRAWINGS**

1. Drawing No. NU-1, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 07/17/2017, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 5th Edition (2014) and 6th Edition (2017) FBC and of no financial interest, dated 07/25/2017, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0901.05

Expiration Date: May 22, 2023
Approval Date: November 5, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**3. Evidence Submitted under NOA # 18-0312.06****A. DRAWINGS**

1. Drawing No. NU-1, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 03/06/2018, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Adjustment factor calculations per ASTM D7147, prepared by Vipin N. Tolat, P.E., Consulting Engineer, dated 03/06/2018, signed and sealed by Vipin N. Tolat, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) FBC and of no financial interest, dated 03/10/2018, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0901.05

Expiration Date: May 22, 2023
Approval Date: November 5, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence Submitted

A. DRAWINGS

1. Drawing No. NU-1, titled “Truss and Top Plate Anchors”, sheets 1 through 4 of 4, dated 08/18/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

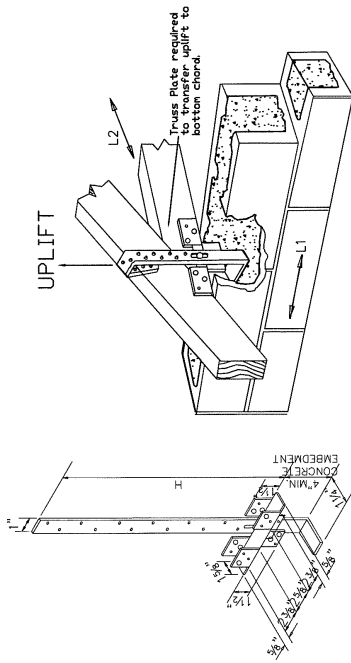
1. Statement letter of code conformance to the 6th Edition (2017) and 7th Edition (2020) FBC and of no financial interest, dated 08/18/2020, signed and sealed by Vipin N. Tolat, P.E.



**Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0901.05**

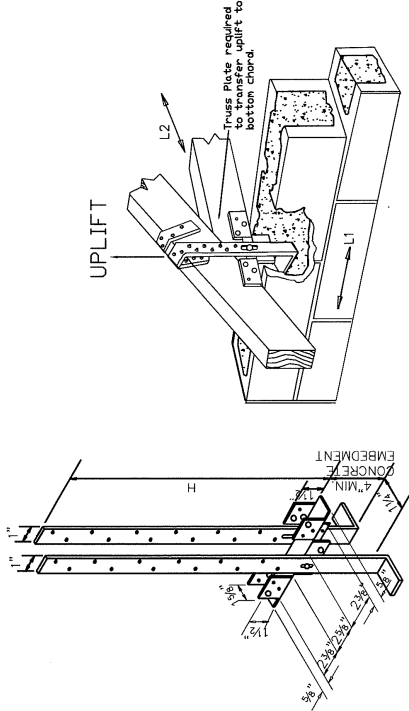
**Expiration Date: May 22, 2023
Approval Date: November 5, 2020**

Deep Seat Truss Anchor. They are designed to resist lateral and uplift forces.
The strap is made of 14 gauge steel and the seats are of 20 gauge steel.



Assembly Product Code	Dimension H (inches)	Total No. of Fasteners in Strap 10d x 1 1/2"	Total No. of Fasteners in 20 GA. Seat 10d x 1 1/2"	Allowable Loads (lbs)	
				Uplift ⁶	L1 ⁶ L2 ⁶
NVSTA12	12	5	6	1046	700 1049
NVSTA16	16	6	6	1141	760 1144
NVSTA20	20	7	6	1236	823 1239
NVSTA22	22	8	6	1331	887 1335
NVSTA24	24	9	6	1426	950 1430

Holden Double Strap Riveted Truss Anchor. They are designed of 14 gauge steel plates to resist lateral and uplift forces. The seats are made of 20 gauge steel.



Assembly Product Code	Dimension H (inches)	Total No. of Fasteners in 20 GA. Seat 10d x 1 1/2"	Total No. of Fasteners in two Straps 10d x 1 1/2"	Allowable Loads (lbs)		
				Uplift ⁶	L1 ⁵ Uplift ⁶	L2 ⁶
NVHTA12	12	10	6	1506	1766 1050	1450
NVHTA16	16	12	6	1695	1987 1181	1631
NVHTA20	20	14	6	1883	2208 1312	1812
NVHTA22	22	16	6	2071	2429 1444	1994
NVHTA24	24	18	6	2259	2649 1575	2175

- Notes:
1. Nails are necessary in straps and seat to achieve, desing loads.
 2. See note 6, sheet 1 for combined loading.
 3. Nails through chords shall not force the truss plates.
 4. For general notes, see sheet 1.
 5. For higher uplift loads, concrete shall be 3000 psi.
 6. Based on min. 2500 psi concrete.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0901.05
Expiration Date 05/22/2023
By *[Signature]*
Miami-Dade Product Control

VIPIN N. TOLAT, PE (CIVIL)
FL. REG. # 12847
15123 LANTERN CREEK LANE
HOUSTON, TX 77068

[Signature]
8/21/2020

Nu-Vue Industries, Inc.
1053-1059 East 29 Street
Hialeah, Florida 33013
(305) 694-0397
Fax: (305) 694-0398

TRUSS AND TOP PLATE ANCHORS			
DWG #:	Sheet:	Date:	Revisions:
NU-1	2 of 4	August 18, 2020	34 of 34

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/home.asp>

2/9/2024 4:48:33 PM

Contact Name: Edgardo Betancourt

Contact Email: EDGARDO@THEARKOGROUP.COM

Tracking Number: UP24011950

Reviews to rework: INPI

MIAMI - DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/home.asp>

3/19/2024 3:13:50 PM

Contact Name: Jorge Gonzalez

Contact Email: JEMPERMITS@GMAIL.COM

Tracking Number: 2024008996

Reviews to rework: DPAD,HRS,PWIF

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/home.asp>

4/2/2024 10:19:07 AM

Contact Name: Jorge Gonzalez

Contact Email: JEMPERMITS@GMAIL.COM

Tracking Number: 2024008996

Reviews to rework: HRS

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/home.asp>

6/5/2024 8:58:30 AM

Contact Name: Jorge Gonzalez

Contact Email: JEMPERMITS@GMAIL.COM

Tracking Number: 2024008996

Reviews to rework: HRS

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/home.asp>

7/1/2024 4:32:08 PM

Contact Name: Edgardo Betancourt

Contact Email: EDGARDO@THEARKOGROUP.COM

Tracking Number: 2024008996

Reviews to rework: HRS

Miami-Dade Department of Regulatory and Economic Resources

CONTACT INFORMATION FOR PERMIT APPLICATION

FIRST NAME (print clearly) EDGARDO	LAST NAME (print clearly) BETANCOURT
MOBILE PHONE	OFFICE/HOME PHONE 305.400.8133
EMAIL (required so you can be notified on the status of your plans) EDGARDO@THEARKOGROUP.COM	
COMMENTS (If you are submitting a municipal plan, please provide the municipal process number(s) and ensure the municipal application is in the office set of plans.) BL2023-1183	

PLANS (check all that apply)

Please indicate if plans qualify for the following expedited plan reviews:

- | | | |
|--|--|--|
| ☐ GOV'T PROJECT/DEPT _____ | ☐ GREEN BLDG* (new construction only) | ☐ PACE PROJECT* |
| ☐ AFFORDABLE/WORKFORCE HOUSING* | ☐ ECONOMIC SIGNIFICANCE* | ☐ CONCIERGE |

(*Pursuant to Ordinance 99-140; Ordinance 05-115; and Ordinance 08-51. Project may have additional requirements.)

Further, under the penalty of perjury, I, being first duly sworn, depose and say that I have read the foregoing application and that the facts stated herein are accurate and true, including any boxes checked. I further acknowledge that this application and affidavit is subject to penalties of perjury, and acknowledge that Miami-Dade County reserves the right to revoke, cancel, void, or suspend, any permit issued pursuant to any application that contains any materially false or fraudulent statements, and acknowledge that continued operation of the uses after the permit is revoked, canceled, voided, or suspended, may subject me to enforcement penalties allowed by law. I further acknowledge that any application that contains any materially false or fraudulent statements may subject me to additional permitting fees including fees for expedited plan review services.

REQUESTED PLAN REVIEWS (check all that apply for rework only)

- | | | | | | |
|---|--|---|---|--|---|
| ☐ ALL | ☐ BLDG/HCAP | ☐ ELEC | ☐ ENRG | ☐ FIRE | ☐ ROOF |
| ☐ LANDSCAPING | ☐ MECH | ☐ PLUM | ☐ PWKS | ☐ PWCC | ☐ SIGN |
| ☐ STRU | ☐ ZNPR | ☒ WASD | ☐ PWIF | ☐ LPGX | ☐ SHOP DRAWING |
| ☒ DERM CORE | ☐ DERM AIR | ☐ DERM AIRPORT | ☐ DERM ASBESTOS | ☐ DERM COASTAL | ☐ DERM FLOOD |
| ☐ DERM GREASE | ☐ DERM INDUSTRIAL | ☐ DERM PAVING & DRAINAGE | ☐ DERM POLLUTION | ☐ DERM PRE-TREATMENT | ☐ DERM SOLID WASTE |
| ☐ DERM TANKS | ☒ DERM TREES | ☐ DERM WATER TREATMENT | ☐ DERM WETLANDS | ☐ PERMIT BY AFFIDAVIT CHECK | ☐ SHORT TERM EVENT AFFIDAVIT CHECK |
| ☒ DOH/HRS | ☐ DERM OSTD | | | | |

OPTIONAL PLAN REVIEWS (check all that apply)

- | | | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| ☐ BLDG | ☐ ELEC | ☐ MECH | ☐ PLUM | ☐ STRU |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|

OPR DERM INITIAL REVIEWS (check all that apply)

- | | |
|---|--|
| ☒ DERM CORE | ☐ DERM SPECIALTY (You will be notified after core review is complete for additional fees) |
|---|--|

OPR DERM REWORK (OPR for specialty only available at PIC)

- | | | | | | |
|--------------------------------|-------------------------------------|-----------------------------------|--|-------------------------------|--|
| ☐ TREE | ☐ GREASE | ☐ ASBESTOS | ☐ COASTAL | ☐ AIR | ☐ PAVING & DRAINAGE |
| ☐ TANKS | ☐ INDUSTRIAL | ☐ WETLAND | ☐ PRE-TREATMENT | ☐ CORE | ☐ FLOOD |

FOR OFFICE USE ONLY (to be completed by Permitting Staff)

APPLICATION DATE	CLERK NAME	ARRIVAL TIME
PROCESS NUMBER	PROCESS NUMBER	PROCESS NUMBER
☐ RE-ISSUE	☐ PLAN REVISION	☐ REWORK
☐ SHOP DRAWING		

1. THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED AND UNDERSTOOD THE SCOPE OF WORK, FIELD CONDITIONS, DIMENSIONS AND CONDITIONS UNDER WHICH THEY WILL BE OBLIGED TO OPERATE IN PERFORMING THE CONTRACT. THEY WILL CONFORM TO ALL CITY, STATE AND FEDERAL REQUIREMENTS AS SHOWN PRIOR TO PROCEEDING. NO ALLOWANCE WILL BE ACCRUED SUBSEQUENTLY ON BEHALF OF CONTRACTOR FOR ANY ERROR THOUGH NEGLIGENCE ON HIS PART IN EXAMINING PREMISES.
2. DRAWINGS WILL DEPICT THE GENERAL DIMENSIONS OF THE BUILDING.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THE ARCHITECT AWARE OF ANY QUESTIONS OR DISCREPANCIES THAT MAY ARISE FROM THE WORK, EXPOSITIONS, AND/OR EXHIBITS. A WRITTEN CLARIFICATION FROM THE ARCHITECT IS REQUIRED PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
4. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES, WHICH WILL REQUIRE TEMPORARY INTERRUPTION OF BUILDING MECHANICAL, OR ELECTRICAL SYSTEMS. A WRITTEN NOTICE OF THE PROCEDURE WILL BE REQUIRED FROM THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
5. INSTALL ALL SHORING AND BRACING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE NOTED OR WHERE LOCAL CODES AND/OR REGULATIONS TAKE PRECEDENCE.
6. THE CONTRACTOR SHALL ARRANGE, APPLY AND PAY FOR ALL NECESSARY PERMITS, INSPECTIONS, ETC. PRIOR TO COMMENCEMENT OF WORKS REQUIRED BY ANY OF THE PUBLIC AUTHORITIES HAVING JURISDICTION. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM STANDARDS AS SET FORTH BY ALL APPLICABLE LOCAL AND FEDERAL CODES, REGULATIONS AND ORDINANCES. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING AND COMPLYING WITH ALL APPLICABLE ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.
7. ALL WORK (BOTH TEMPORARY AND PERMANENT) SHALL COMPLY WITH ALL APPLICABLE OSHA AND CODE REQUIREMENTS INCLUDING BUT NOT LIMITED

- | | |
|---|---|
| <p>1. THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED AND UNDERSTAND THE SCOPE OF WORK, FIELD CONDITIONS, DIMENSIONS AND CONDITIONS UNDER WHICH THEY WILL BE OBLIGED TO OPERATE IN PERFORMING THE CONTRACT. THEY WILL CONSIDER THE WORK TO BE COMPLETED AS SHOWN PRIOR TO PROCEEDING. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY ON BEHALF OF CONTRACTOR FOR ANY ERROR THROUGH NEGLIGENCE ON HIS PART IN EXAMINING PREMISES.</p> <p>2. DRAWINGS WILL DEPICT THE GENERAL DIMENSIONS OF THE BUILDING. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THE ARCHITECT AWARE OF ANY DISCREPANCIES OR DISAGREEMENTS OF PRIOR RECORDS, FIELD EXISTING CONDITIONS, AND/OR INTENT. A WRITTEN CLARIFICATION FROM THE ARCHITECT IS REQUIRED PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.</p> <p>3. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES, WHICH WILL REQUIRE TEMPORARY INTERRUPTION OF BUILDING MECHANICAL OR ELECTRICAL SYSTEMS. A WRITTEN NOTICE OF DISRUPTION SHALL BE REQUIRED FROM THE CONTRACTOR PRIOR TO COMMENCING WORK WITH ANY OF THE PUBLIC UTILITIES HAVING JURISDICTION. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM STANDARDS AS SET FORTH BY ALL APPLICABLE LOCAL AND FEDERAL CODES, REGULATIONS AND ORDINANCES. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING AND COMPLYING WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.</p> <p>4. ALL WORK (BOTH TEMPORARY AND PERMANENT) SHALL COMPLY WITH ALL APPLICABLE OSHA AND CODE REQUIREMENTS INCLUDING BUT NOT LIMITED</p> | <p>TO 2020 FRC EXISTING BUILDING</p> <p>5. ALL ELECTRICAL/TELEPHONE CONDUIT AND/OR PLUMBING WITHIN THE DEMOLISHED PARTITIONS SHALL BE REMOVED UP TO THE POINT WHERE IT IS NO LONGER EXPOSED AND CLEAR OF NEW WORK. PROPERLY CAP AND TERMINATE AS PER CODE.</p> <p>6. MAINTAIN THE EXISTING BUILDING IN A SAFE AND WEATHER-TIGHT CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING EXTERIOR WALLS BY SHORING AND BRACING AS REQUIRED AND UNDER COMPLETION OF WORK REPAIR ANY DAMAGE THAT MAY OCCUR DURING CONSTRUCTION AT NO COST TO THE OWNER.</p> <p>7. THE CONTRACTOR SHALL KEEP ALL AREAS FREE FROM THE ACCUMULATION OF CONSTRUCTION DEBRIS. NO STOCK PILING OF DEBRIS WILL BE ALLOWED ON SITE. ALL DEBRIS SHALL BE REMOVED FROM SITE ON A DAILY BASIS AND PLACED IN WASTE CONTAINERS FOR PROPER REMOVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL, OR RECYCLING OF ALL DEMOLISHED MATERIALS, AND BE RESPONSIBLE FOR ALL ASSOCIATED TIPPING FEES AT THE LANDFILL.</p> <p>8. THE CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK. STRUCTURAL COMPONENTS OF THIS BUILDING SHALL NOT BE ALTERED IN ANY WAY. PROVIDE ADEQUATE SHORING AND BRACING WHEN REMOVING INTERIOR FLOORS AND WALLS.</p> <p>9. GENERAL CONTRACTOR SHALL HAND NOTE ON DEMOLITION DRAWINGS ANY 'AS-BUILT' INFORMATION OF INTEREST TO THE OWNER.</p> <p>10. ARCHITECT AND OWNERS REPRESENTATIVE SHALL HAVE THE RIGHT TO REJECT DEMOLITION PROCEDURES PROPOSED BY THE CONTRACTOR.</p> <p>11. CONTRACTOR SHALL PROTECT FROM DAMAGE EXISTING EXTERIOR ENCLOSURE INCLUDING BUT NOT LIMITED TO THE FOLLOWING:</p> <p>12. CONTRACTOR SHALL TURN THE PROJECT OVER TO THE OWNER FREE FROM ALL CONSTRUCTION DEBRIS, SCRAP, MATERIAL AND EQUIPMENT; AVOID EXCEEDING ALLOWABLE FLOOR LOADING CAPACITY AT ANY</p> |
|---|---|

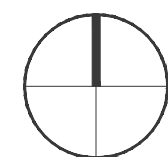
STRUCTURAL BRACING CONSIDERATIONS DURING DEMOLITION

1. PRIOR TO DEMOLITION OF FLOORS, WALLS, ETC. CONTRACTOR SHALL SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES DURING DEMOLITION.
2. WALLS SHALL BE BRACED AT EXISTING ADJACENT LOCATIONS. THE BRACING SHALL BE CONSTRUCTED SO THAT BRACING MEMBERS CAN WITHSTAND TENSION & COMPRESSION FORCES.
3. CONTRACTOR IS RESPONSIBLE FOR CONNECTING BRACING TO MEMBERS DESIGNED TO TRANSFER OR RESIST LATERAL LOADS.
4. CONTRACTOR SHALL MAINTAIN STRUCTURAL INTEGRITY OF THE STRUCTURE DURING DEMOLITION.

- ## CONSTRUCTION SITE SAFETY

1. THE CONTRACTOR SHALL ENSURE THAT DEMOLITION WORK DOES NOT INTERFERE WITH OR PROHIBIT THE CONTINUING OCCUPATION OF ADJACENT OPERATIONS AND CITY OPERATIONS WITHIN AND AROUND THE STRUCTURE. THIS INCLUDES BUT IS NOT LIMITED TO THE SELECTIVE DEMOLITION OF PARTITIONS, ELECTRICAL AND MECHANICAL SYSTEMS. THE CONTRACTOR SHALL ADVISE THE OWNER OF A MINIMUM OF 72 HOURS OF DEMOLITION ACTIVITIES THAT WILL AFFECT NORMAL OPERATION OF BUILDINGS OR CITY SERVICES.
2. THE CONTRACTOR SHALL REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION WORK.
3. THE CONTRACTOR SHALL COORDINATE WITH F.P.L., WATER MANAGEMENT AND ALL CITY AFFECTED SERVICES ALL DEMOLITION WORK TO PROPERLY PROTECT ALL CITY LINES DURING DEMOLITION WORK. CONTRACTOR WILL BE HELD LIABLE FOR ALL WORK NOT COORDINATED WITH THE CITY PRIOR, DURING, AND AFTER DEMOLITION WORK HAS BEGUN

- CONTRACTOR TO VERIFY PROPOSED FLOOR PLANS, ELEVATIONS, AND SCHEDULES FOR SIZING OF ALL NEW OPENINGS AND SELECTIVE DEMOLITION.



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

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156

The seal is circular with a decorative outer border. Inside the border, the text "STATE OF FLORIDA" is at the top and "REGISTERED ARCHITECT" is at the bottom. In the center, the name "EDGARDO J. BETANCOURT" is written above "SANTIAGO". Below the name is a five-pointed star flanked by the words "EXERCISE" and "OF". At the bottom of the seal, the number "AR99726" is displayed.

REVISIONS

10.06.23
BUILDING DEPARTMENT COMMENTS

CONSTRUCTION DOCUMENTS

D-1.00

DEMOLITION FLOOR PLAN

8. TO 2020 FC-EXISTING BUILDING.
9. ALL ELECTRICAL/TELEPHONE CONDUIT AND/OR PLUMBING WITHIN THE DEMOLISHED PARTITIONS SHALL BE REMOVED UP TO THE POINT WHERE IT ENDS OR IS EXPOSED AND CLEAR OF NEW WORK. PROPERTY CAP AND TERMINATE AS PER CODE.
10. MAINTAIN THE EXISTING BUILDING IN A SAFE AND WEATHER-TIGHT CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING EXTERIOR WALLS BY SHORING AND BRACING AS REQUIRED AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT MAY OCCUR DURING CONSTRUCTION AT NO COST TO THE OWNER.
11. THE CONTRACTOR SHALL KEEP ALL AREAS FREE FROM THE ACCUMULATION OF CONSTRUCTION DEBRIS. NO STOCK PILING OF DEBRIS WILL BE ALLOWED ON SITE. ALL DEBRIS SHALL BE REMOVED FROM SITE ON A DAILY BASIS AND PLACED IN WASTE CONTAINERS FOR PROPER REMOVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OR REDUCING OF ALL DEMOLISHED MATERIALS, AND BE RESPONSIBLE FOR ALL ASSOCIATED TIPPING FEES AT THE LANDFILL.
12. THE CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK.
13. STRUCTURAL COMPONENTS OF THIS BUILDING SHALL NOT BE ALTERED IN ANY WAY. PROVIDE ADEQUATE SHORING AND BRACING WHEN REMOVING WALLS, FLOORS AND ROOFS.
14. GENERAL CONTRACTOR SHALL HAND NOTE/NOTE ON DEMOLITION DRAWINGS ANY "AS-BUILT" INFORMATION OF INTEREST TO THE OWNER.
15. ARCHITECT AND OWNERS REPRESENTATIVE SHALL HAVE THE RIGHT TO REJECT DEMOLITION PROCEDURES PROPOSED BY THE CONTRACTOR.
16. CONTRACTOR SHALL PROTECT FROM DAMAGE EXISTING EXTERIOR WALLS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - a. CONTRACTOR SHALL TURN THE PROJECT OVER TO THE OWNER FREE FROM ALL CONSTRUCTION DEBRIS, SCRAPS, MATERIAL AND EQUIPMENT;
 - b. AVOID EXCEEDING ALLOWABLE FLOOR LOADING CAPACITY AT ANY

STRUCTURAL BRACING CONSIDERATIONS DURING DEMOLITION

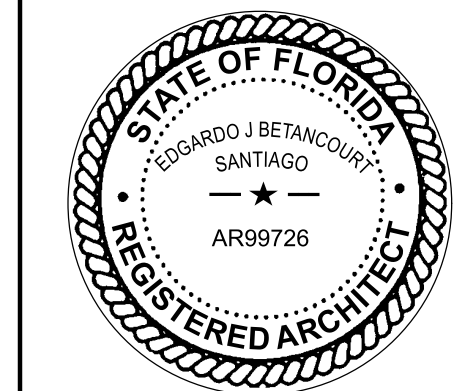
5. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF DEMOLITION.
- CONSTRUCTION SITE SAFETY
1. THE CONTRACTOR SHALL ENSURE THAT DEMOLITION WORK DOES NOT INTERFERE WITH OR PROHIBIT THE CONTINUING OCCUPATION OF ADJACENT OPERATIONS AND CITY OPERATIONS WITHIN AND AROUND THE STRUCTURE. THIS INCLUDES BUT IS NOT LIMITED TO THE SELECTIVE DEMOLITION OF PARTITIONS, ELECTRICAL, AND MECHANICAL SYSTEMS. THE CONTRACTOR SHALL INFORM THE OWNER OF A MINIMUM OF 72 HOURS OF DEMOLITION ACTIVITIES THAT WILL AFFECT NORMAL OPERATION OF BUILDINGS AND OR CITY SERVICES.
 2. THE CONTRACTOR SHALL REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION WORK.
 3. THE CONTRACTOR SHALL COORDINATE WITH P. L. WATER MANAGEMENT AND CITY AFFECTED AGENCIES TO ALLOW DEMOLITION WORK TO PROTECT ALL CITY LINES DURING DEMOLITION WORK. CONTRACTOR WILL BE HELD LIABLE FOR ALL WORK NOT COORDINATED WITH THE CITY PRIOR, DURING, AND AFTER DEMOLITION WORK HAS BEGUN

- CONTRACTOR TO VERIFY PROPOSED FLOOR PLANS, ELEVATIONS, AND SCHEDULES FOR SIZING OF ALL NEW OPENINGS AND SELECTIVE DEMOLITION.

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2024.03.18
18:02:02-04'00'



DATE	DRAWN BY	
03.29.23	MV	PROJECT
	CHECKED BY	22-84
	EV	

03.18.24
BUILDING DEPARTMENT COMMENTS

CONSTRUCTION DOCUMENTS

D-1.00

GENERAL
DEMOLITION NOTES

1. THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED AND UNDERSTAND THE SCOPE OF WORK, FIELD CONDITIONS, DIMENSIONS AND CONDITIONS UNDER WHICH THEY WILL BE OBLIGED TO OPERATE IN PERFORMING THE CONTRACT. THEY WILL CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY ON BEHALF OF CONTRACTOR FOR ANY ERROR THROUGH NEGLIGENCE ON HIS PART IN EXAMINING PREMISES.
2. DRAWINGS WILL DEPICT THE GENERAL DIMENSIONS OF THE BUILDING.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THE ARCHITECT AWARE OF ANY QUESTIONS OR DISCREPANCIES REGARDING THE SCOPE OF WORK, EXISTING CONDITIONS, AND/OR INTENT. A WRITTEN CLARIFICATION FROM THE ARCHITECT IS REQUIRED PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
4. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES, WHICH WILL REQUIRE TEMPORARY INTERRUPTION OF BUILDING MECHANICAL OR ELECTRICAL SYSTEMS. A WRITTEN METHOD OF PROCEDURE WILL BE REQUIRED FROM THE CONTRACTOR PRIOR TO COMMENCING WITH WORK.
5. INSTALL ALL SHORING AND BRACING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE NOTED OR WHERE LOCAL CODES AND/OR REGULATIONS TAKE PRECEDENCE.
6. THE CONTRACTOR SHALL ARRANGE, APPLY AND PAY FOR ALL NECESSARY PERMITS, INSPECTION, EXAMINATION AND FEES OR CHARGES REQUIRED BY ANY OF THE PUBLIC AUTHORITIES HAVING JURISDICTION. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM STANDARDS AS SET FORTH BY ALL APPLICABLE LOCAL AND FEDERAL CODES, REGULATIONS AND ORDINANCES. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING AND COMPLYING WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.
7. ALL WORK (BOTH TEMPORARY AND PERMANENT) SHALL COMPLY WITH ALL APPLICABLE OSHA AND CODE REQUIREMENTS INCLUDING BUT NOT LIMITED TO 2020 FBC-EXISTING BUILDING
8. ALL ELECTRICAL/TELEPHONE CONDUIT AND/OR PLUMBING WITHIN THE DEMOLISHED PARTITIONS SHALL BE REMOVED UP TO THE POINT WHERE IT IS NO LONGER EXPOSED AND CLEAR OF NEW WORK. PROPERLY CAP AND TERMINATE AS PER CODE.
9. MAINTAIN THE EXISTING BUILDING IN A SAFE AND WEATHER-TIGHT CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING EXTERIOR WALLS BY SHORING AND BRACING AS REQUIRED AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT MAY OCCUR DURING CONSTRUCTION AT NO COST TO THE OWNER.
10. THE CONTRACTOR SHALL KEEP ALL AREAS FREE FROM THE ACCUMULATION OF CONSTRUCTION DEBRIS. NO STOCK PILING OF DEBRIS WILL BE ALLOWED ON SITE. ALL DEBRIS SHALL BE REMOVED FROM SITE ON A DAILY BASIS AND PLACED IN WASTE CONTAINERS FOR PROPER REMOVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OR RECYCLING OF ALL DEMOLISHED MATERIALS, AND BE RESPONSIBLE FOR ALL ASSOCIATED TIPPING FEES AT THE LANDFILL.
11. THE CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK.
12. STRUCTURAL COMPONENTS OF THIS BUILDING SHALL NOT BE ALTERED IN ANY WAY. PROVIDE ADEQUATE SHORING AND BRACING WHEN REMOVING INTERIOR FLOORS AND WALLS.
13. GENERAL CONTRACTOR SHALL HAND NOTATE ON DEMOLITION DRAWINGS ANY "AS-BUILT" INFORMATION OF INTEREST TO THE OWNER.
14. ARCHITECT AND OWNERS REPRESENTATIVE SHALL HAVE THE RIGHT TO REJECT DEMOLITION PROCEDURES PROPOSED BY THE CONTRACTOR.
15. CONTRACTOR SHALL PROTECT FROM DAMAGE EXISTING EXTERIOR ENCLOSURE INCLUDING ROOF AND WINDOWS.
16. CONTRACTOR SHALL TURN THE PROJECT OVER TO THE OWNER FREE FROM ALL CONSTRUCTION DEBRIS, SCRAP, MATERIAL AND EQUIPMENT.
17. AVOID EXCEEDING ALLOWABLE FLOOR LOADING CAPACITY AT ANY

- LOCATION BY ANY CONSTRUCTION PROCESS AND SPECIFICALLY BY THE MOVING AND STORAGE OF CONSTRUCTION MATERIALS OR OPERATION OF ANY HOIST, VEHICLE OR CRANE DEVICE.
18. WHERE CUTTING AND/OR PATCHING IS REQUIRED, THE CONTRACTOR SHALL PROTECT ADJACENT WORK.
 19. WHERE APPLICABLE PROVIDE TEMPORARY WEATHER TIGHT CLOSURE OF OPENINGS IN EXTERIOR ENCLOSURE SURFACES. SUCH ENCLOSURE SHALL PREVENT ENTRY OF UNAUTHORIZED PERSONS.
 20. IF ASBESTOS IS PRESENT OR SUSPECTED TO BE PRESENT, THE CONTRACTOR MUST FOLLOW EPA, STATE ENVIRONMENTAL AGENCY, AND OSHA REGULATIONS. IF SUSPECT MATERIAL IS NOT TESTED THE CONTRACTOR SHALL PROCEED AS IF THE MATERIAL CONTAINS ASBESTOS. FAILURE TO REALIZE THAT A SUBSTANCE CONTAINS ASBESTOS DOES NOT ABSOLVE CONTRACTORS FROM LIABILITY.
 21. CONTRACTOR SHALL VERIFY WITH OWNER IF REMOVED EQUIPMENT SHALL BE KEPT, STORED OR DEMOLISHED PRIOR TO PERFORMING ANY DEMOLITION WORK.

STRUCTURAL BRACING CONSIDERATIONS DURING DEMOLITION

1. PRIOR TO DEMOLITION OF FLOORS, WALLS, ETC. CONTRACTOR SHALL SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES DURING DEMOLITION.
2. WALLS SHALL BE BRACED AT EXISTING ADJACENT LOCATIONS. THE BRACING SHALL BE CONSTRUCTED SO THAT BRACING MEMBERS CAN WITHSTAND TENSION & COMPRESSION FORCES.
3. CONTRACTOR IS RESPONSIBLE FOR CONNECTING BRACING TO MEMBERS DESIGNED TO TRANSFER OR RESIST LATERAL LOADS.
4. CONTRACTOR SHALL MAINTAIN STRUCTURAL INTEGRITY OF THE STRUCTURE DURING DEMOLITION.

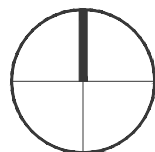
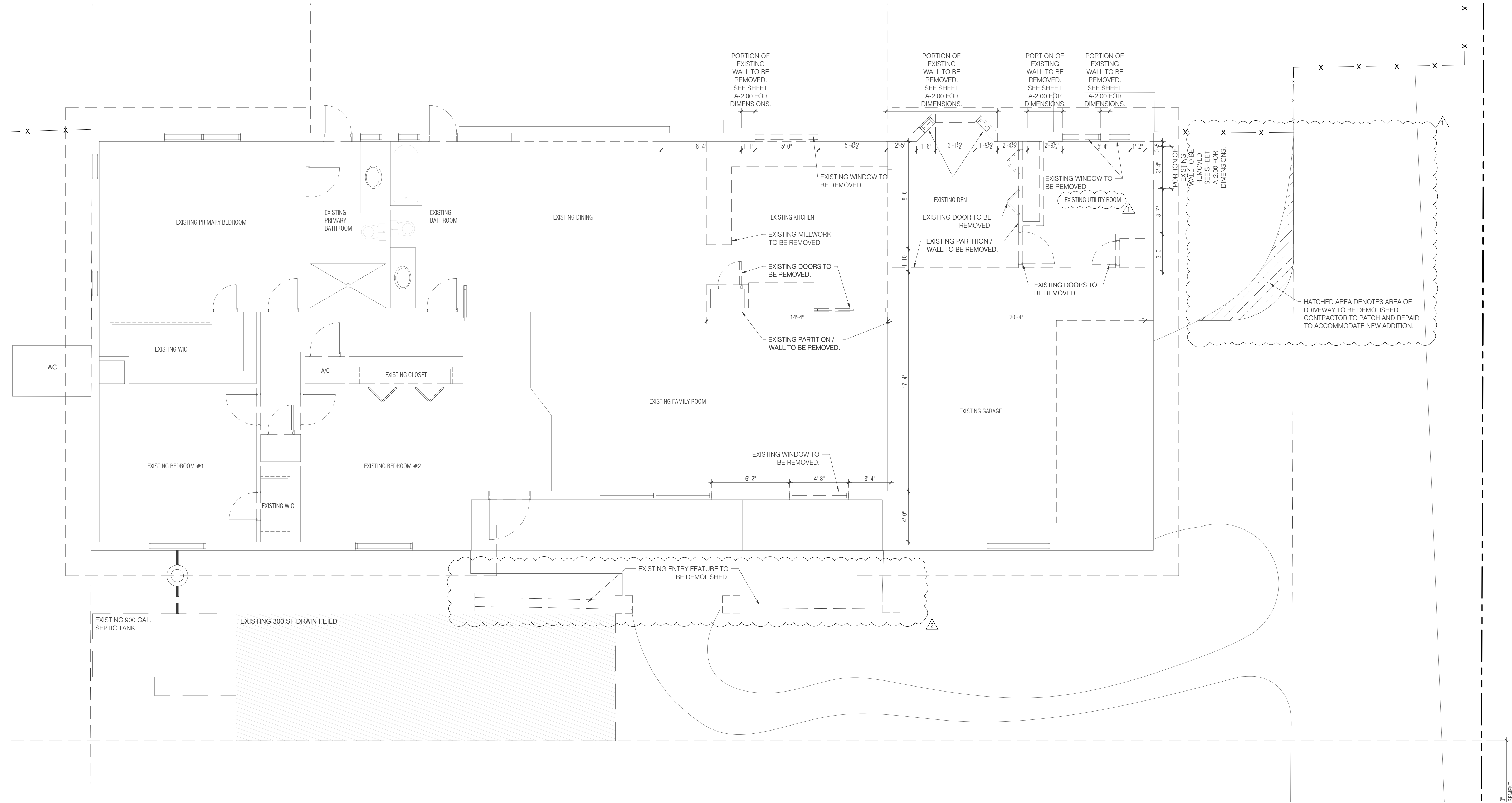
5. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF DEMOLITION.

CONSTRUCTION SITE SAFETY

1. THE CONTRACTOR SHALL ENSURE THAT DEMOLITION WORK DOES NOT INTERFERE WITH OR PROHIBIT THE CONTINUING OCCUPATION OF ADJACENT OPERATIONS AND CITY OPERATIONS WITHIN AND AROUND THE STRUCTURE. THIS INCLUDES BUT IS NOT LIMITED TO THE SELECTIVE DEMOLITION OF PARTITIONS, ELECTRICAL AND MECHANICAL SYSTEMS. THE CONTRACTOR SHALL INFORM THE OWNER OF A MINIMUM OF 72 HOURS OF DEMOLITION ACTIVITIES THAT WILL AFFECT NORMAL OPERATION OF BUILDINGS AND OR CITY SERVICES.
2. THE CONTRACTOR SHALL REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION WORK.
3. THE CONTRACTOR SHALL COORDINATE WITH F.P.L. WATER MANAGEMENT AND ALL CITY AFFECTED SERVICES ALL DEMOLITION WORK TO PROPERLY PROTECT ALL CITY LINES DURING DEMOLITION WORK. CONTRACTOR WILL BE HELD LIABLE FOR ALL WORK NOT COORDINATED WITH THE CITY PRIOR, DURING, AND AFTER DEMOLITION WORK HAS BEGUN

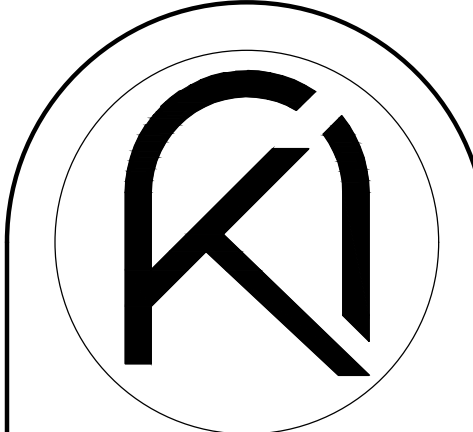
DEMOLITION NOTES

- CONTRACTOR TO VERIFY PROPOSED FLOOR PLANS, ELEVATIONS, AND SCHEDULES FOR SIZING OF ALL NEW OPENINGS AND SELECTIVE DEMOLITION.



DEMOLITION FLOOR PLAN

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



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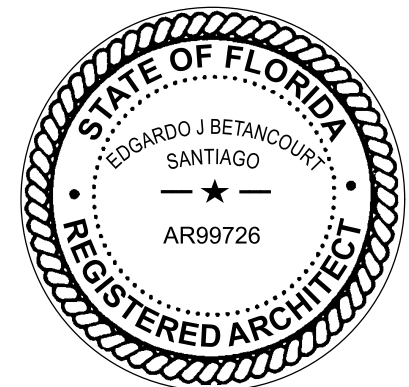
ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

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DRAWN BY MV PROJECT
DATE 03.29.23 CHECKED BY EV 22-84

REVISIONS

- 03.18.24 BUILDING DEPARTMENT COMMENTS
- 04.02.24 BUILDING DEPARTMENT COMMENTS

DEMOLITION
FLOOR PLAN

CONSTRUCTION DOCUMENTS

D-1.00

ELECTRICAL SPECIFICATIONS	
PART 1 - GENERAL A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN. B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT. 1. NATIONAL ELECTRICAL CODE (NFPA-70, 2017 EDITION) 2. CODE FOR SAFETY TO LIFE (NFPA-101, 2018 EDITION) 3. STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA-72, 2016 EDITION) 4. UNDERWRITERS' LABORATORIES (UL) 5. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) 6. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 7. FEDERAL SPECIFICATION (FED. SPEC.) 8. INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA) 9. FLORIDA BUILDING CODE, 2020 EDITION (AS AMENDED) 10. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) 11. CITY OF HOLLYWOOD BUILDING CODE, (AMENDMENTS TO FLORIDA BUILDING CODE 2020) 12. ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE. E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY. H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK. I. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. J. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS INDICATES THE CONTRACTOR SHALL FURNISH AND INSTALL. PART 2 - PRODUCTS A. MINIMUM WIRE SIZE SHALL BE #12 AWG, UNLESS OTHERWISE NOTED. B. ALL CONDUCTORS SHALL BE COPPER WITH "THHN-THWN" INSULATION UNLESS OTHERWISE NOTED. C. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS. D. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE. CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SWD". E. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS. F. PANELBOARDS AND LOAD CENTERS: 1. CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER. 2. ALL CIRCUIT BREAKERS INSTALLED IN PANELBOARDS SHALL BE BOLT ON. 3. ALL CIRCUIT BREAKERS INSTALLED IN LOAD CENTERS SHALL BE PLUG IN. 4. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS. 5. A.I.C. RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES. 6. PANELBOARD ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCHED CONCENTRIC KNOCKOUTS. 7. ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION. 8. ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE-WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS. G. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE. H. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED, WITH OVERLOAD RELAYS IN EACH HOT LEG. I. RIGID NONMETALLIC CONDUIT SHALL BE SCHEDULE 40 PVC. J. WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) SHALL BE WHITE COLOR UNLESS OTHERWISE NOTED. FACEPLATES SHALL BE SMOOTH, WHITE NYLON. K. PROVIDE ARC-FAULT CIRCUIT INTERRUPTER PROTECTION AS REQUIRED BY NEC ARTICLE 210.12. L. PROVIDE TAMPER RESISTANT RECEPTACLES AS REQUIRED BY NEC ARTICLE 406.12. M. 15 AND 20 AMPERE, 125 VOLT AND 250 VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. ALL 15 AND 20 AMPERE, 125 AND 250 VOLT NON-LOCKING RECEPTACLES SHALL BE LISTED WEATHER-RESISTANT TYPE.	PART 3 - EXECUTION A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS: 1. 120/240 VOLTS, 1 PHASE, 3-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BLACK AND 1 RED GROUNDED (NEUTRAL) CONDUCTOR, WHITE. GROUNDING CONDUCTORS SHALL BE GREEN. 2. BRANCH CIRCUIT WIRING AND SERVICES (#6 AND LARGER) SHALL BE COLOR CODED AT ALL PULL POINTS (EXCEPT LB'S OR LBD'S) USING COLORED MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE. B. WIRING METHODS 1. ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED OR SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONCRETE TIGHT SET SCREW TYPE. 2. SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE. 3. ELECTRICAL NONMETALLIC TUBING (EMT), WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE IS ACCEPTABLE FOR USE WITH INTERIOR BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPS OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. 4. TYPE MC (METAL CLAD) CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. 5. TYPE NM (NONMETALLIC SHEATH) CABLE WITH INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES. D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT. E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK. G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED. H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IEC. I. SUBSTITUTIONS: 1. IF ANY PROPOSED EQUIPMENT IS OF LARGER SIZE OR THERE ARE ANY CONTINGENT DIFFERENCES WHICH REQUIRE ADDITIONAL CONTROLS, EQUIPMENT OR APPARATUS ALL ASSOCIATED CHANGES TO THE BUILDING SYSTEMS NECESSARY TO ACCOMMODATE THESE CHANGES ARE THE RESPONSIBILITY OF THE CONTRACTOR. 2. "TO-SCALE" FLOOR PLAN DRAWINGS OR RISER/WIRING DIAGRAMS INDICATING THE PROPOSED CHANGES SHALL BE SUBMITTED ALONG WITH THE OTHER REQUIRED SHOP DRAWINGS. J. CONTRACTOR SHALL SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT. K. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK. L. ALL LAY-IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER OR AS REQUIRED BY THE NATIONAL ELECTRIC CODE AND THE FLORIDA BUILDING CODE, SECTION 806. SEE ARCHITECTURAL DRAWINGS FOR DETAIL OF CEILING AND LUMINAIRE SUPPORT. M. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING. N. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. O. VOLTAGE DROP 1. CONDUCTORS FOR ALL FEEDERS SHALL BE INCREASED FROM SIZES INDICATED ON DRAWINGS TO PREVENT VOLTAGE DROP EXCEEDING 2%. 2. CONDUCTORS FOR ALL BRANCH CIRCUITS SHALL BE INCREASED FROM SIZES INDICATED ON DRAWINGS TO PREVENT VOLTAGE DROP EXCEEDING 3% FROM THE FURTHEST DEVICE. 3. DETERMINING CONDUCTOR SIZES SHALL BE BASED ON 80% LOAD OF THE BREAKER SIZE. 4. FOR DETERMINATION OF WIRE SIZE FOR BID PURPOSES: * INCREASE WIRE BY 1 WIRE SIZE FOR RUNS 60 FT. TO 100 FT. * INCREASE WIRE BY 2 WIRE SIZES FOR RUNS 100 FT. TO 150 FT. * INCREASE WIRE BY 3 WIRE SIZES FOR RUNS FROM 150 FT. TO 230 FT. P. PROVIDE CABLE LUGS SIZED FOR THE LINE AND/OR LOAD SIDE FEEDERS AS SCHEDULED FOR ALL SWITCHBOARDS, PANELBOARDS AND DISCONNECTS. WHERE CABLE LUGS ARE NOT AVAILABLE FOR THE SPECIFIC WIRE SIZE AND NUMBER OF SETS SCHEDULED, PROVIDE A TAP BOX ADJACENT TO THE EQUIPMENT WITH "POLARIS" TAPS TO TRANSITION TO CONDUCTORS TO MATCH THE CABLE LUGS AVAILABLE AND THE AMPERE RATING OF THE OVER-CURRENT DEVICE PROTECTING THE FEEDER. Q. THE CONTRACTOR SHALL CONFIRM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS. R. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION. S. ANY CONFLICTS AND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.

ELECTRICAL SHEET INDEX	
SHEET#	DESCRIPTION
E1	NOTES, LEGEND & INDEX
E2	EXISTING ELECTRICAL PLAN
E3	LIGHTING PLAN
E4	POWER PLAN
E5	RISER AND PANEL SCHEDULES

ELECTRICAL SYMBOLS	
	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
	TELEVISION OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET. UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) MOUNTED ABOVE COUNTER SEE ARCHITECTUAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
	SPECIAL-PURPOSE RECEPTACLE
	JUNCTION BOX
	EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR SPECIFICATIONS.
	SINGLE POLE, 20 AMP. SWITCH. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
	3-WAY, 20 AMP. SWITCH. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
	SINGLE POLE, 20 AMP. SWITCH WITH DIMMER. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
	TWO POLE, 30 AMP SWITCH. MOUNT ADJACENT EQUIPMENT TO BE CONTROLLED.
	FACTORY MOUNTED DISCONNECT/STARTER (SEE MECHANICAL SCHEDULE)
	FUSIBLE DISCONNECT SWITCH A = POLES, B= FRAME SIZE, C= FUSE RATING
	FUSIBLE DISCONNECT SWITCH TYPE COMBINATION MOTOR STARTER A = POLES, B= NEMA SIZE, C= FUSE RATING
	GROUNDING ELECTRODE & CONDUCTOR SYSTEM
	TRANSFORMER
	ELECTRICAL PANELBOARD
	TELEPHONE WOOD BACKBOARD
	WEATHERPROOF
	ABOVE FINISH FLOOR
	RECESSED DOWNLIGHT TO BE SELECTED BY OWNER, FURNISHED BY CONTRACTOR
	WALL SCONCE TO BE SELECTED BY OWNER, FURNISHED BY CONTRACTOR
	GARAGE LIGHT TO BE SELECTED BY OWNER, FURNISHED BY CONTRACTOR
	UNDER COUNTER LIGHT TO BE SELECTED BY OWNER, FURNISHED BY CONTRACTOR
	SILHOUETTE 120V AC LOW PROFILE SMOKE ALARM WITH SEALED RECHARGEABLE BATTERY BACKUP. KIDDE MODEL KN-FMSM-I. INTERLOCK ALL DETECTORS TO ACTIVATE UPON ANY DETECTOR.
	AC COMBINATION CARBON MONOXIDE AND PHOTOELECTRIC SMOKE ALARM WITH VOICE MESSAGE WARNING SYSTEM AND BATTERY BACKUP. KIDDE MODEL KN-COPE-I.

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ADDITION & RESTORATION FOR:

**MAZZINI & MELINE
RESIDENCE**

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MIAMI, FL 33156

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Santiago
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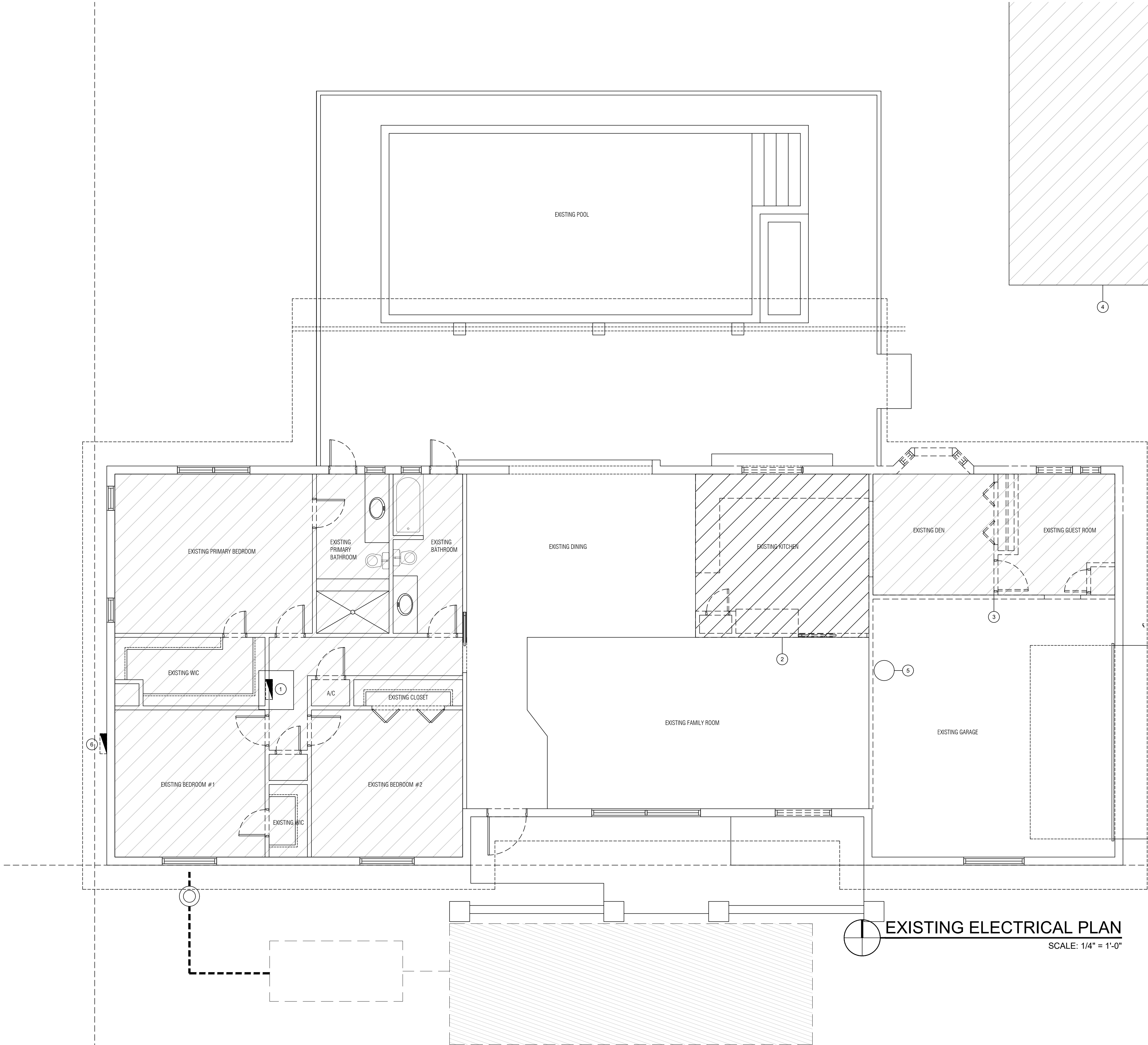
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CHECKED BY	--	22-84

REVISIONS

ELECTRICAL
NOTES

CONSTRUCTION DOCUMENTS

E1

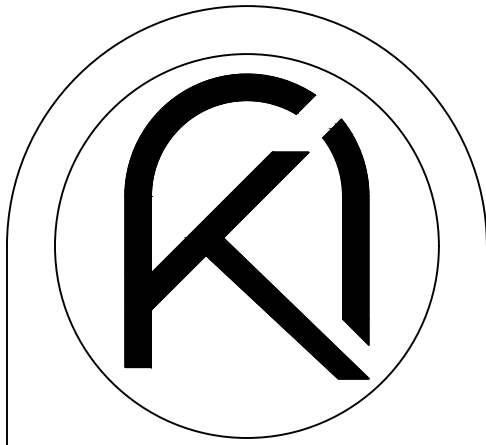


SCOPE OF WORK

- RENOVATION TO AN EXISTING AIR CONDITIONED HOUSE.
- PROVIDE NEW RECEPTACLE AND LIGHTING AS SHOWN.
- EXISTING HVAC TO BE REPLACED.
- NEW SEPARATE STRUCTURE TO BE ADDED.
- EXISTING ELECTRICAL SERVICE TO BE UPGRADED.

KEY NOTES

- REMOVE AND REPLACE EXISTING ELECTRICAL AND IN SAME LOCATION. SEE E4 FOR ADDITIONAL INFORMATION.
- EXISTING KITCHEN TO BE RENOVATION/RELOCATED.
- EXISTING DEN AND GUEST BEDROOM TO BE REMODELED TO BECOME NEW BEDROOM #3 AND NEW BATHROOM.
- NEW STRUCTURE TO BE BUILDING INCLUDING BATHROOM.
- EXISTING ELECTRICAL WATER HEATER TO BE REPLACED WITH NEW IN SAME LOCATION.
- EXISTING ELECTRICAL SERVICE TO BE REPLACED WITH NEW. SEE E5 FOR FURTHER INFORMATION.



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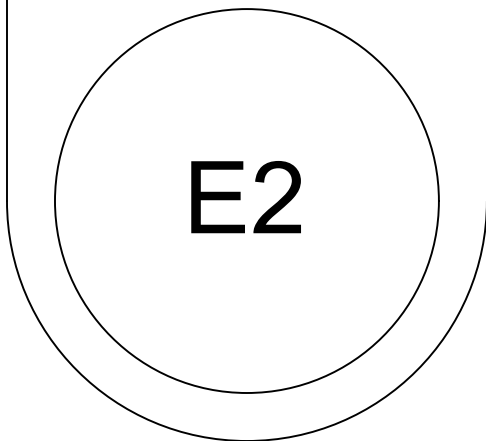


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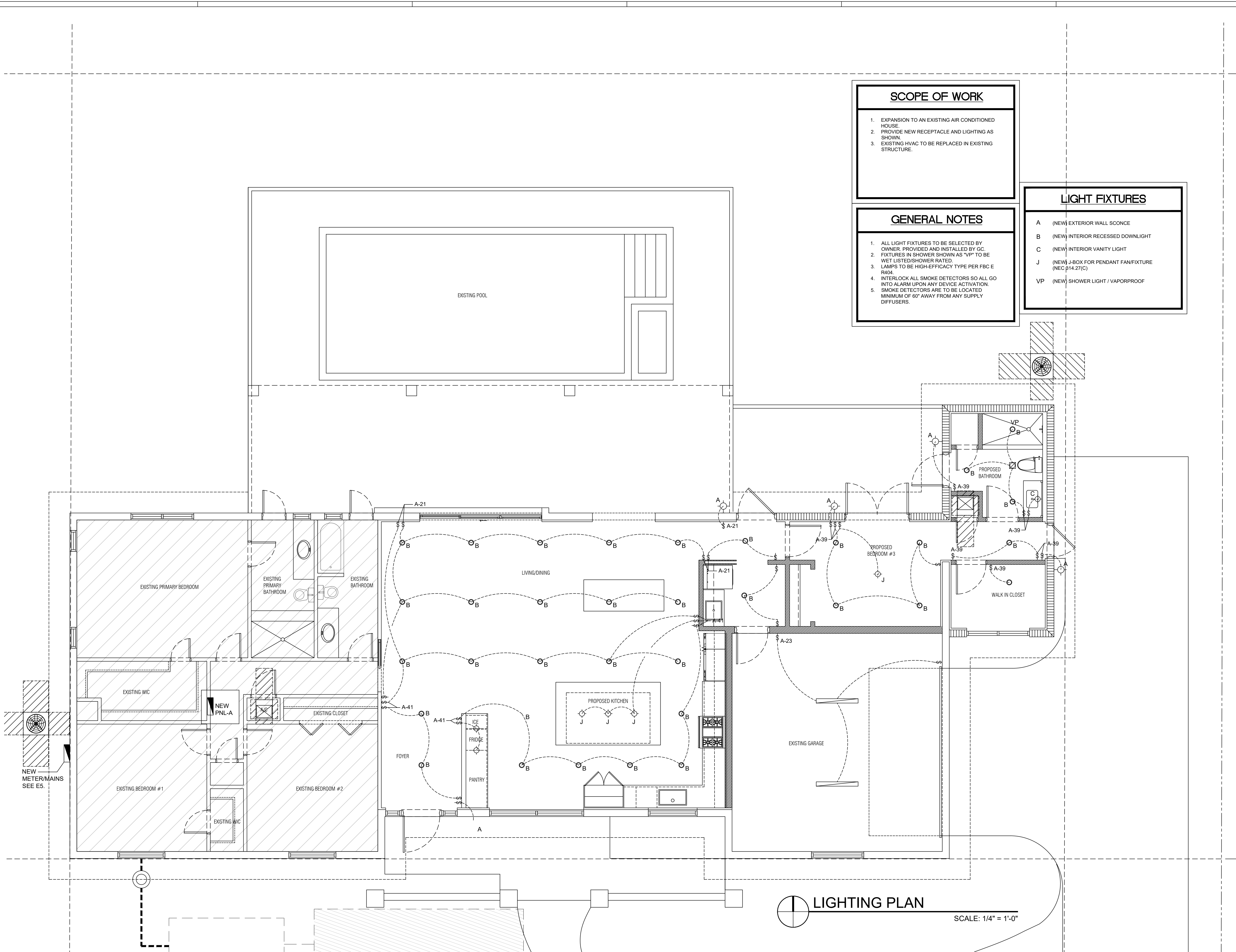
REVISIONS

EXISTING
ELECTRICAL
PLAN

CONSTRUCTION DOCUMENTS



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SCOPE OF WORK

1. EXPANSION TO AN EXISTING AIR CONDITIONED HOUSE.
2. PROVIDE NEW RECEPTACLE AND LIGHTING AS SHOWN.
3. EXISTING HVAC TO BE REPLACED IN EXISTING STRUCTURE.

GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE SELECTED BY OWNER. PROVIDED AND INSTALLED BY GC.
2. FIXTURES IN SHOWER SHOWN AS "VP" TO BE WET LISTED/SHOWER RATED.
3. LAMPS TO BE HIGH-EFFICACY TYPE PER FBC E R404.
4. INTERLOCK ALL SMOKE DETECTORS SO ALL GO INTO ALARM UPON ANY DEVICE ACTIVATION.
5. SMOKE DETECTORS ARE TO BE LOCATED MINIMUM OF 60" AWAY FROM ANY SUPPLY DIFFUSERS.

LIGHT FIXTURES

- A (NEW) EXTERIOR WALL SCONCE
B (NEW) INTERIOR RECESSED DOWNLIGHT
C (NEW) INTERIOR VANITY LIGHT
J (NEW) J-BOX FOR PENDANT FAN/FIXTURE (NEC §14.27(C))
VP (NEW) SHOWER LIGHT / VAPORPROOF

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE.,
MIAMI, FL 33156



Digitally signed by
Edgardo J. Betancourt
Santiago
Date: 2023.08.24
16:08:49-04'00'



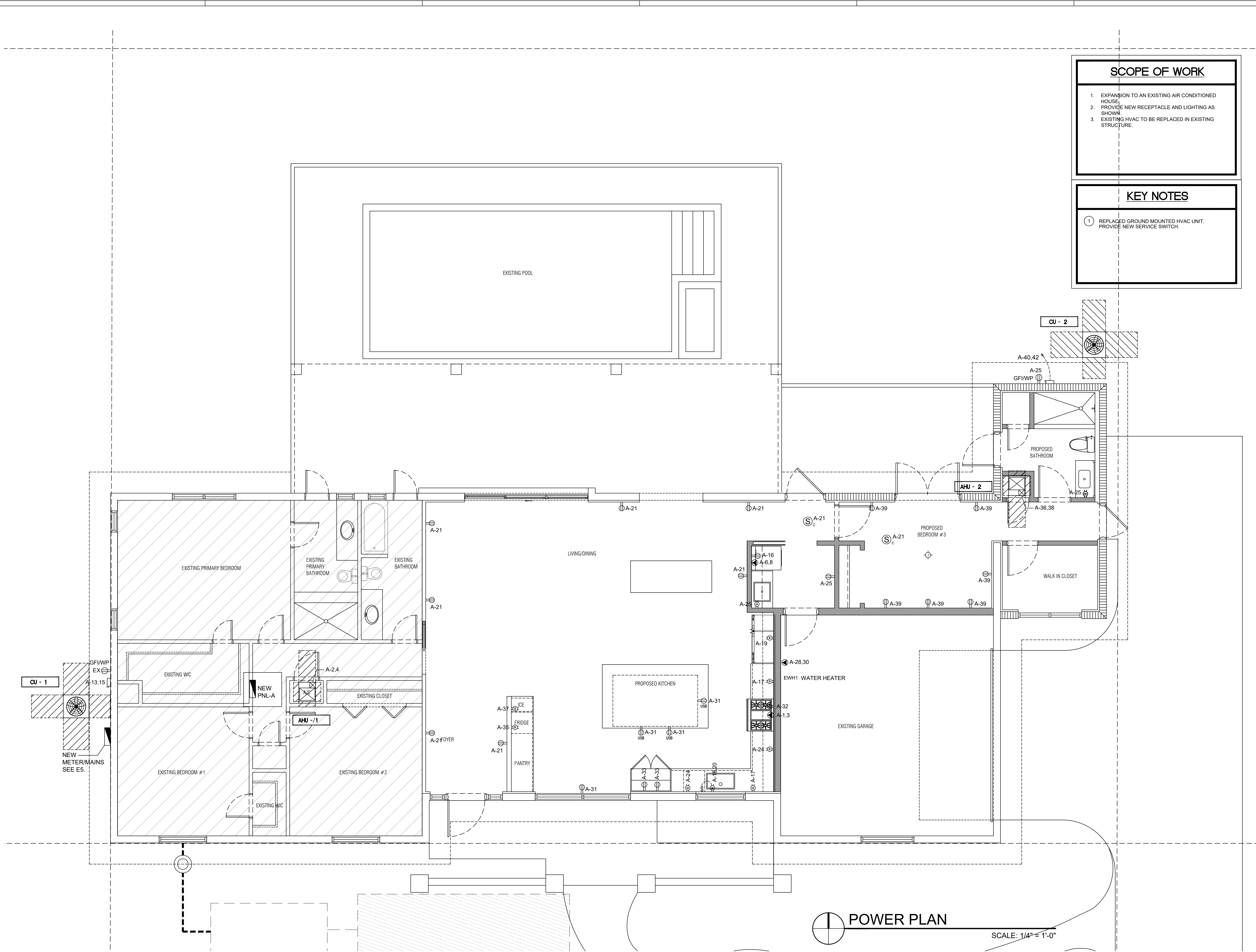
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DATE 04.03.23 CHECKED BY 22-84

REVISIONS

LIGHTING
PLAN

CONSTRUCTION DOCUMENTS

E3

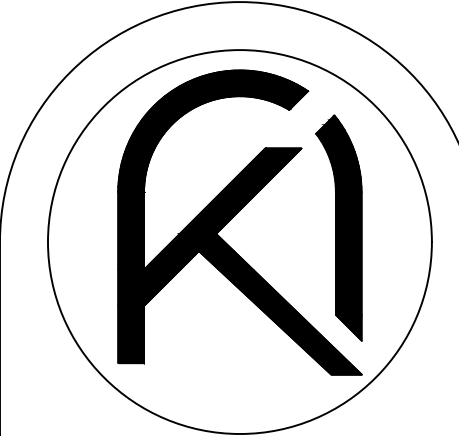


SCOPE OF WORK

- EXPANSION TO AN EXISTING AIR CONDITIONED HOUSE.
- PROVIDE NEW RECEPTACLE AND LIGHTING AS SHOWN.
- EXISTING HVAC TO BE REPLACED IN EXISTING STRUCTURE.

KEY NOTES

- REPLACED GROUND MOUNTED HVAC UNIT. PROVIDE NEW SERVICE SWITCH.



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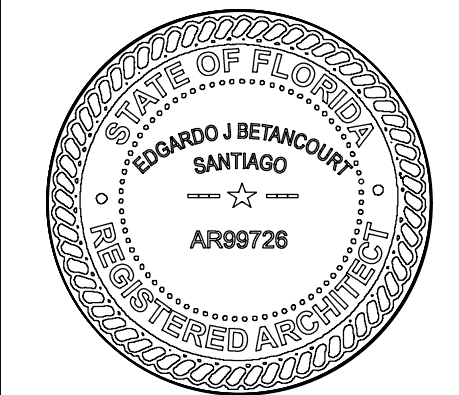
ADDITION & RESTORATION FOR:

**MAZZINI & MELINE
RESIDENCE**

10300 SW 70TH AVE,
MIAMI, FL 33156



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Edgardo J. Betancourt
Santiago
Date: 2023.08.24
16:08:50-04'00'

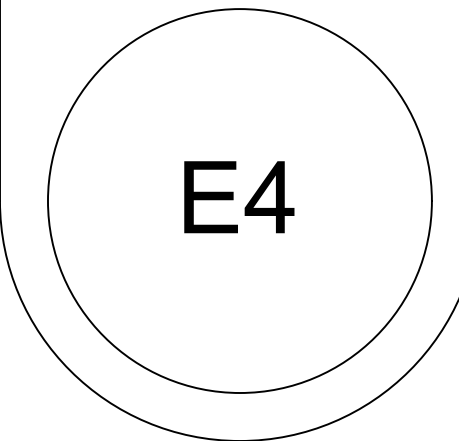


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REVISIONS

POWER
PLAN

CONSTRUCTION DOCUMENTS



NOTES FOR BRANCH CIRCUIT PANELS

- 1 EXISTING BRANCH CIRCUIT IN EXISTING PANEL TO BE RELOCATED TO NEW PANEL IN SAME CIRCUIT LOCATION, PROVIDE NEW BREAKER.

LEGEND

----- EXISTING
----- NEW

SCHEDULE OF BRANCH CIRCUIT PANEL "A"

MAIN: 200 AMP MAIN LUGS ONLY
SPEC: SQUARE-D OO LOAD CENTER
MOUNTING: FLUSH
VOLTAGE: 120/240V, 1Ø, 3 WIRE

DESCRIPTION	WIRE	GND	COND	TRIP	CKT	A PHASE KVA		B PHASE KVA		TRIP	COND	GND	WIRE	DESCRIPTION
						1	2	1	2					
OVEN	1	2#8	1#10	3/4"	50	1	5.0	2.7	4	30	3/4"	1#10	AHU-1	
RANGE TOP	1	2#8	1#10	3/4"	50	2	5.0	2.7	6	30	3/4"	1#10	DRYER	
SPRINKER PUMP	1	2#8	1#10	3/4"	60	9	5.0	2.5	10	60	3/4"	1#10	POOL MAIN	
CU-1	1	2#12	1#12	3/4"	20	13	(1.3)	**	14	20	3/4"	1#12	POOL LIGHT	
RECEPT - KIT	1	2#12	1#12	3/4"	15	17	1.5	1.2	18	20	3/4"	1#12	2#12 DW	
REFG	1	2#12	1#12	3/4"	15	19	1.2	1.2	20	20	3/4"	1#12	2#12 GD	
LTG/RECEPT - LVG RM	1	2#12	1#12	3/4"	15	21	**	**	22	20	3/4"	1#12	2#12 LTG/RECEPT - FAMILY RM	
GARAGE LIGHT	1	2#12	1#12	3/4"	15	23	**	1.5	24	20	3/4"	1#12	2#12 RECEPT - KIT	
RECEPT - LAUNDRY RM	1	2#12	1#12	3/4"	15	25	-	**	26	15	3/4"	1#12	2#12 RECEPT/LTG - SW BDRM	
RECEPT/LTG - SE BDRM	1	2#12	1#12	3/4"	15	27	**	2.3	28	30	3/4"	1#10	2#10 WATER HEATER	
RECEPT/LTG - NE BDRM	1	2#12	1#12	3/4"	15	29	**	2.3	30	2				
RECEPT - KIT ISLAND	1	2#12	1#12	3/4"	20	31	**	0.8	32	20	3/4"	1#12	2#12 HOOD	
RECEPT - PANTRY	1	2#12	1#12	3/4"	20	33	**	-	34	20	-	-	SPARE	
REFG	1	2#12	1#12	3/4"	20	35	-	1.2	3.2	36	35	3/4"	1#10	2#10 AHU-2
ICE	1	2#12	1#12	3/4"	20	37	1.2	3.2	38	2				
RECEPT/LTG - NEW BDRM #3	1	2#12	1#12	3/4"	20	39	**	(1.6)	40	25	3/4"	1#10	2#10 CU-2	
LTG - KIT	1	2#12	1#12	3/4"	20	41	**	(1.6)	42	2				

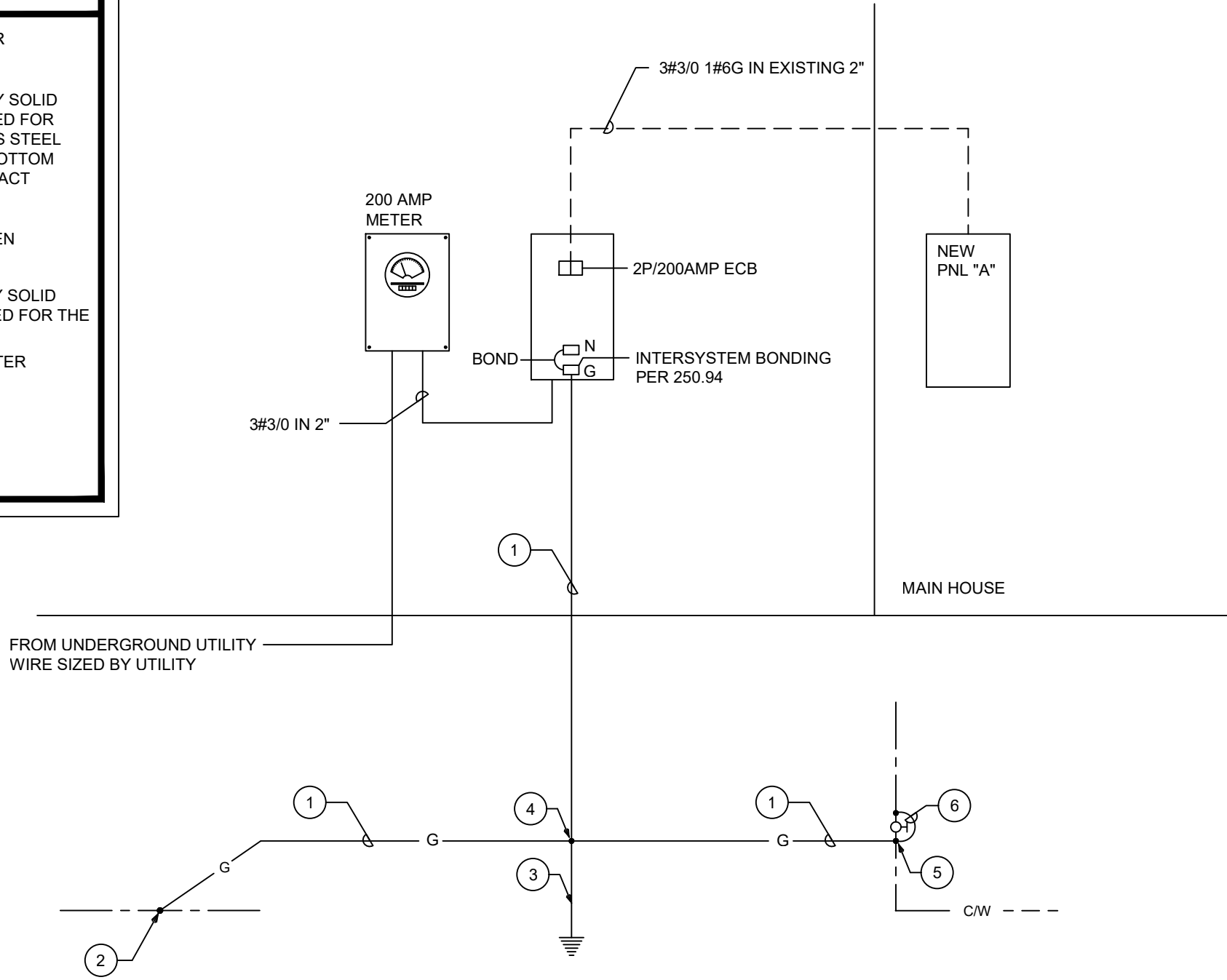
* NON-CONCURRENT LOAD
(# #) LARGEST A/C LOAD
** LIGHTING & RECEPT. @ 3 WATTS/SQ.
(2600 SQ. FT. x 3 VA = 7.8 KVA)

3.9	3.9	LTG & RECEPT @ 3 WATTS
32.1	35.3	KVA PER PHASE (NON-DIVERSIFIED)
75.4		TOTAL NON-DIVERSIFIED LOAD
27.4	30.6	NON DIVERSIFIED LOAD LESS HEATING/COOLING LOADS
5.0	5.0	1ST 10 KVA @ 100%
9.0	10.3	REMAINDER @ 40%
5.9	5.9	KVA PER PHASE LARGEST (HEATING/COOLING)
19.9	21.2	TOTAL KVA PER PHASE
167	175	AMPS PER PHASE
41.1		TOTAL DIVERSIFIED KVA

(A) AFCI - ARC FAULT CIRCUIT BREAKER
(AG) AFCI/GFCI - DUAL FUNCTION ARC
FAULT/GFCI CIRCUIT BREAKER

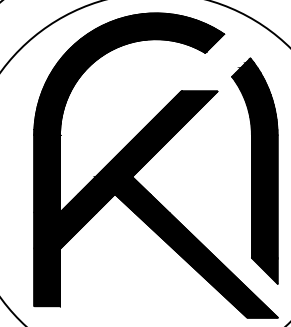
KEY NOTES

- 1 1#2/0 GROUNDING ELECTRODE CONDUCTOR IN 3/4" SCHEDULE 40 PVC CONDUIT.
- 2 EXOTHERMIC CONNECTION OR HEAVY DUTY SOLID BRONZE BOLTED GROUND CLAMP U.L. LISTED FOR THE PURPOSE. ELECTRICALLY CONTINUOUS STEEL REINFORCING BAR (20FT MIN. LENGTH) IN BOTTOM OF BUILDING FOUNDATION IN DIRECT CONTACT WITH EARTH.
- 3 10 FT. LONG x 3/4" DIAMETER COPPER DRIVEN GROUND ELECTRODE.
- 4 EXOTHERMIC CONNECTION OR HEAVY DUTY SOLID BRONZE BOLTED GROUND CLAMP U.L. LISTED FOR THE PURPOSE. (TYPICAL)
- 5 MAKE CONNECTION TO METALLIC COLD WATER ENTRANCE PIPE BEFORE FIRST VALVE WITH HEAVY DUTY BRONZE GROUND CLAMP.
- 6 PROVIDE 1#2/0 BONDING JUMPER AROUND FIRST VALVE.



ELECTRICAL RISER DIAGRAM

N.T.S.



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ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
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Santiago
Date: 2023.08.24
16:08:52 -0400



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DATE 04.03.23 PROJECT
CHECKED BY 22-84

REVISIONS

RISER AND
PANEL
SCHEDULES

CONSTRUCTION DOCUMENTS

E5

ADDITION & RESTORATION FOR:
MAZZINI & MELINE RESIDENCE
1 0 3 0 0 S W 7 0 T H A V E , M I A M I , F L 3 3 1 5 6

SHEET INDEX

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G-1.01	GENERAL NOTES AND SPECIFICATIONS
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A-1.00	EXISTING SITE PLAN
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MECHANICAL	
M-1	MECHANICAL NOTES
M-2	MECHANICAL PLAN
M-3	MECHANICAL PLAN
M-4	MECHANICAL SCHEDULES & DETAILS

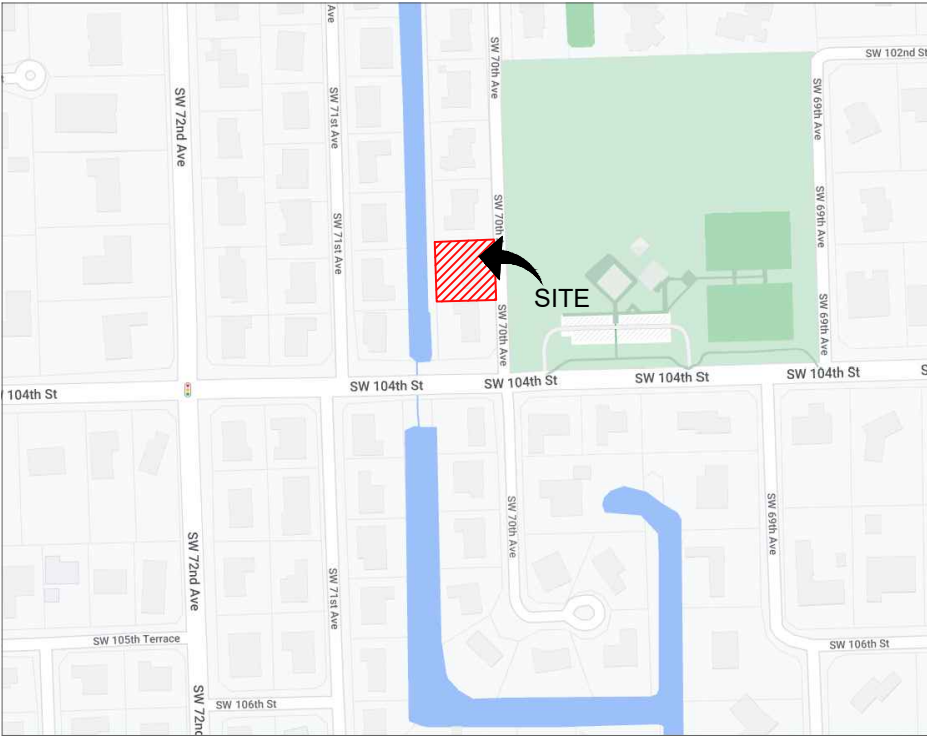
ELECTRICAL	
E-1	ELECTRICAL NOTES
E-2	ELECTRICAL PLAN
E-3	ELECTRICAL PLAN
E-4	RISER AND PANEL SCHEDULES

CONSULTANTS

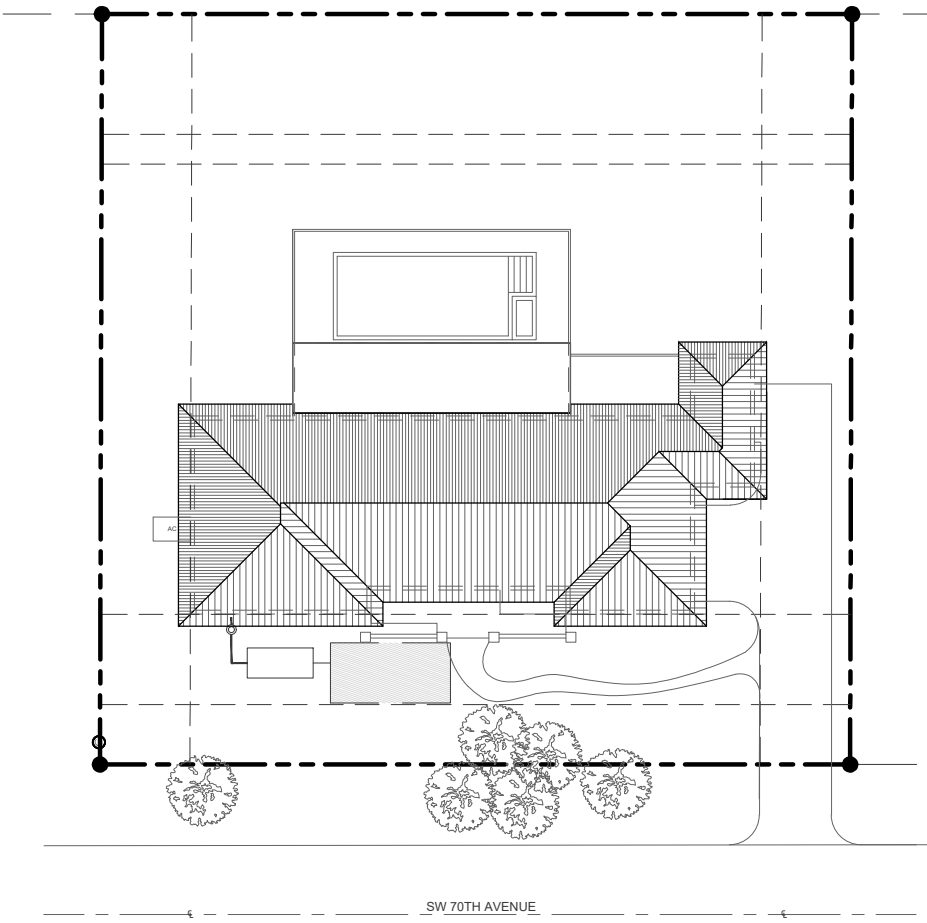
STRUCTURAL ENGINEER
G2 CONSULTING GROUP, INC.
9725 SW 4TH TERRACE MIAMI, FL 33174
PH: 305.401.9154
CONTACT: ERNESTO J. GARCIA

SCOPE OF WORK

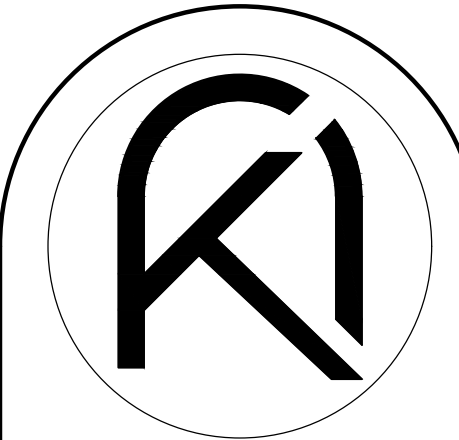
INTERIOR RENOVATION - REDESIGN OF INTERIOR SPACES
EXTERIOR RENOVATION - NEW ROOF FOR THE ADDITION
ADDITION - 236 SF PRIMARY SUITE ADDITION ADDED TO THE NORTH SIDE OF THE EXISTING STRUCTURE



LOCATION MAP
SCALE: N.T.S.



KEY PLAN
SCALE: 1/32" = 1'-0"



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ADDITION & RESTORATION FOR:

MAZZINI & MELINE
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DRAWN BY
DATE 03.29.23 MV PROJECT
CHECKED BY 22-84
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REVISIONS

COVER SHEET

CONSTRUCTION DOCUMENTS

G-1.00

ADDITION & RESTORATION FOR:
MAZZINI & MELINE RESIDENCE
1 0 3 0 0 S W 7 0 T H A V E , M I A M I , F L 3 3 1 5 6

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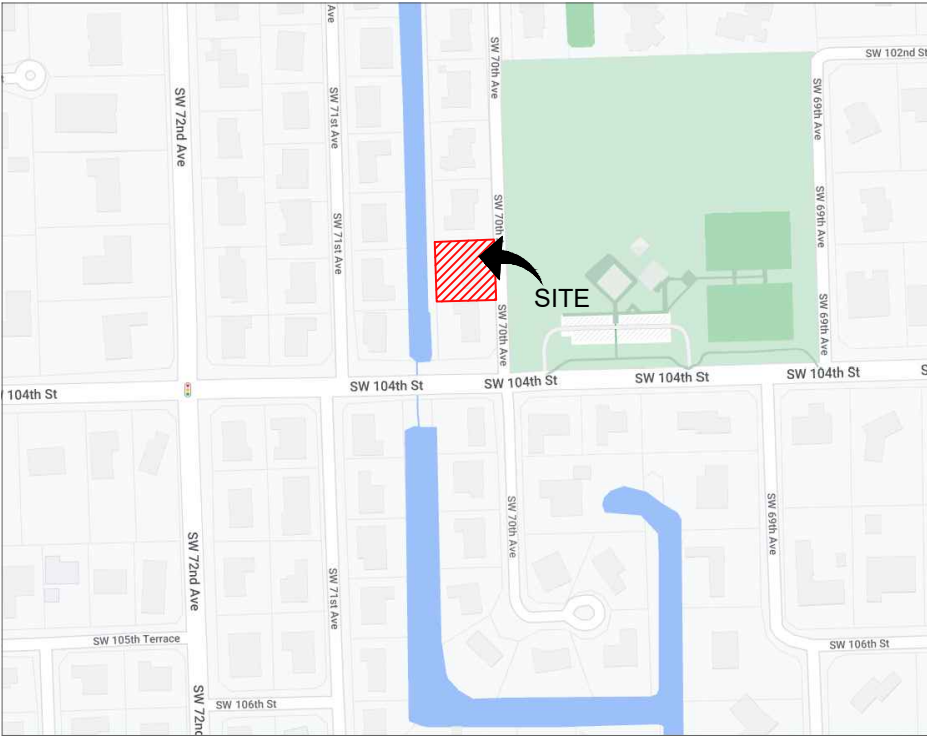
ELECTRICAL	
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E-2	ELECTRICAL PLAN
E-3	ELECTRICAL PLAN
E-4	RISER AND PANEL SCHEDULES

CONSULTANTS

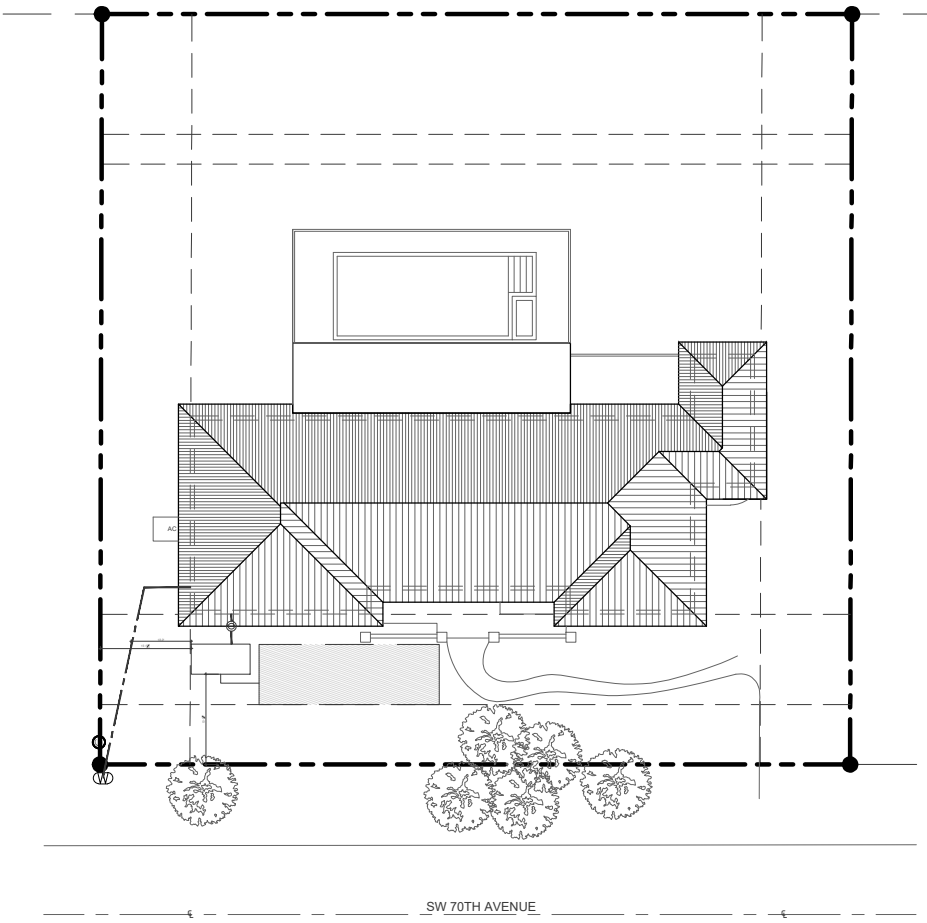
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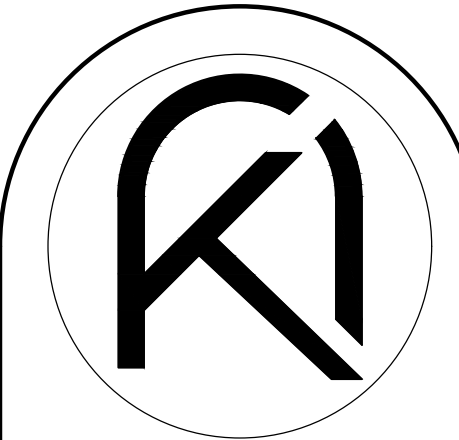
INTERIOR RENOVATION - REDESIGN OF INTERIOR SPACES
EXTERIOR RENOVATION - NEW POOL FOR THE ADJUTION
ADDITION - 226 SF ADDITION OF A DEN/FAMILY ROOM, BATHROOM AND STORAGE
ADDED TO THE NORTH SIDE OF THE EXISTING STRUCTURE



LOCATION MAP
SCALE: N.T.S.



KEY PLAN
SCALE: 1/32" = 1'-0"



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18:01:59-0400'



DRAWN BY	MV	PROJECT
DATE	03.29.23	CHECKED BY
		EV

REVISIONS

03.18.24	BUILDING DEPARTMENT COMMENTS
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COVER SHEET

CONSTRUCTION DOCUMENTS

G-1.00

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	1.02 THE GENERAL CONTRACTOR AS MENTIONED HEREIN, IS DEFINED AS THE ENTITY TO WHICH HAS THE CONTRACTUAL AGREEMENT WITH THE OWNER FOR THE FULL CONSTRUCTION OF THE PROJECT AND WHICH INCLUDES ANY AND ALL OTHER PARTIES CONTRACTUALLY OBLIGATED TO THE GENERAL CONTRACTOR TO COMPLETE THIS PROJECT.	7.02 PROVIDE ALL INSULATION WITH AN (AGED) R-VALUE, AS SPECIFIED WITHOUT GAPS OR VOIDS USING NEW AND UNDAMAGED MATERIALS.	2.05 ADHESIVES, SEALANTS AND PRIMERS A. SOLVENT-BASED BONDING ADHESIVE: SOLVENT-BASED RUBBERIZED ADHESIVE FOR USE WITH EVERGUARD TPO MEMBRANES, EVERGUARD® 1121 BONDING ADHESIVE, BY GAF.	2. OVERLAP ROOF MEMBRANE A MINIMUM OF 6" FOR SIDE LAPS AND 3" FOR END LAPS.
	1.03 THE CONTRACT DOCUMENTS ARE DESIGNED IN ACCORDANCE WITH ALL GOVERNING CODES, REGULATIONS, CITIES, MUNICIPALITIES AND BUILDING OFFICIALS HAVING JURISDICTION. THE GENERAL CONTRACTOR SHALL CONSTRUCT AND BE RESPONSIBLE FOR THE BUILDING AND ALL RELATED SITE WORK. THE CONTRACTOR SHALL COORDINATE WORK WITH EACH APPROPRIATE TRADE DISCIPLINE TO ASSURE NO CONFLICT OR OMISSION OF ANY REQUIRED OR SPECIFIED COMPONENT FOR A COMPLETE AND FUNCTIONAL PROJECT.	7.05 GAF EVERGUARD TPO ROOFING SPECIFICATIONS	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	3. INSTALL MEMBRANE SO THAT THE SIDE LAPS RUN ACROSS THE ROOF SLOPE LAPPED TOWARDS DRAINAGE POINTS.
	1.04 BEFORE COMMENCEMENT OF ANY WORK ON THE SITE, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE FAMILIAR WITH ALL THE CONDITIONS OF THIS PROJECT; THE CONTRACTORS AND SUBCONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS AND OTHER CONTRACT DOCUMENTS RELATIVE TO THE PORTION OF THE WORK, AS WELL AS ANY INFORMATION FURNISHED BY THE OWNER, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL TAKE FIELD MEASUREMENTS OF ANY EXISTING CONDITIONS RELATED TO THAT PORTION OF THE WORK AND SHALL OBSERVE ANY CONDITION AT THE SITE AFFECTING IT. THESE OBLIGATIONS ARE FOR THE PURPOSE OF FACILITATING CONSTRUCTION BY THE CONTRACTORS AND ARE NOT FOR THE PURPOSE OF DISCOVERING ERRORS, OMISSIONS, AND INCONSISTENCIES IN THE CONTRACT DOCUMENTS; HOWEVER ANY ERRORS, INCONSISTENCIES OR OMISSIONS FURNISHED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT, WHERE THE CONTRACTOR OR SUBCONTRACTORS ELECT NOT TO VERIFY DISCREPANCIES. THE GENERAL CONTRACTOR OR SUBCONTRACTOR WILL ASSUME ANY AND ALL LIABILITIES FOR ANY AND ALL CORRECTIONS, REPLACEMENTS AND LABOR TO MAKE WORK IN ACCORDANCE TO CONTRACT DOCUMENTS.	1.01 SUMMARY A. SECTION INCLUDES 1. THERMOPLASTIC POLYOLEFIN SINGLE-PLY ROOFING MEMBRANE 2. THERMOPLASTIC POLYOLEFIN FLASHINGS 3. THERMOPLASTIC POLYOLEFIN ACCESSORIES 4. INSULATION B. RELATED SECTIONS 1. SECTION 06100- ROUGH CARPENTRY 2. SECTION 07620- SHEET METAL FLASHING AND TRIM 3. SECTION 15430- PLUMBING SPECIALTIES	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	4. ALL EXPOSED SHEET CORNERS SHALL BE ROLLED A MINIMUM OF 1" TO THE ROOF DECK WITH APPROPRIATE DRILL-TEC FASTENERS AND PLATES AS REQUIRED BY ROOF SYSTEM SPECIFICATION AND/OR FACTORY MUTUAL CLASSIFICATION REQUIREMENTS.
	1.05 GENERAL CONTRACTOR AND SUBCONTRACTORS TO PROVIDE ALL REQUIRED OR NECESSARY MATERIALS, EQUIPMENT OR COMPONENTS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL INSTALLATION, INCLUDING ALL OBVIOUSLY NECESSARY ITEMS EVEN THOUGH SUCH ITEMS ARE NOT INDICATED WITHIN THE CONSTRUCTION DOCUMENTS. ALL CONSTRUCTION METHODS, MATERIALS, ETC. SHALL MEET OR EXCEED ANY AND ALL APPLICABLE BUILDING CODES, STANDARDS AND OR ORDINANCES.	1.02 REFERENCES A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) - ANNUAL BOOK OF ASTM STANDARDS 1. ASTM D-151 - STANDARD TEST METHODS FOR COATED FABRICS 2. ASTM D-2137 - STANDARD TEST METHODS FOR RUBBER PROPERTY-BRITTLENESS POINT OF FLEXIBLE POLYMERS AND COATED FABRICS 3. ASTM E-96 - STANDARD TEST METHODS FOR WATER VAPOR TRANSMISSION OF MATERIALS 4. ASTM D1204 - STANDARD TEST METHOD FOR LINEAR DIMENSIONAL CHANGES OF NONRIGID THERMOPLASTIC SHEETING OR FILM AT ELEVATED TEMPERATURE 5. ASTM 4-71 - STANDARD TEST METHOD FOR RUBBER PROPERTY-EFFECT OF LIQUIDS 6. ASTM E-1149 - STANDARD TEST METHODS FOR RUBBER DETERIORATION-CRACKING IN AN OZONE CONTROLLED ENVIRONMENT 7. ASTM C-1549 - STANDARD TEST METHOD FOR DETERMINATION OF SOLAR REFLECTANCE NEAR AMBIENT TEMPERATURE USING A PORTABLE SOLAR REFLECTOMETER 8. ASTM C-1371 - STANDARD TEST METHOD FOR DETERMINATION OF EMITTANCE OF MATERIALS NEAR ROOM TEMPERATURE USING PORTABLE EMISSOMETERS 9. ASTM E 903 - STANDARD TEST METHOD FOR SOLAR ABSORBANCE, REFLECTANCE, AND TRANSMISSION OF MATERIALS USING INTEGRATING SPHERES 10. ASTM D1515 - STANDARD PRACTICE FOR OPERATING XENON ARC LIGHT APPARATUS FOR EXPOSURE OF NON-METALLIC MATERIALS	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	5. SUPPLEMENTAL MEMBRANE ATTACHMENT TO THE ROOF DECK IS REQUIRED AT LOCATIONS OF DECK ANGLE CHANGES IN EXCESS OF FIVE (5) ANGLE DEGREES (1" IN 12").
	1.06 IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTOR, TO BID AND BUILD FROM THE MOST UP-TO-DATE AND COMPLETE SET OF CONSTRUCTION DOCUMENTS. THE RELEASE AND USE OF PARTIAL SETS OF CONSTRUCTION DOCUMENTS DURING BIDDING AND/OR CONSTRUCTION SHALL NOT RELIEVE THE GENERAL CONTRACTOR AND SUBCONTRACTOR OF THEIR RESPONSIBILITY FOR THEIR WORK OR THE COORDINATION OF IT WITH WORK BY ALL TRADES.	1.03 DEFINITIONS A. ROOFING TERMINOLOGY: REFER TO ASTM D1079 AND THE GLOSSARY OF THE NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) ROOFING AND WATERPROOFING MANUAL FOR DEFINITIONS OF ROOFING TERMS RELATED TO THIS SECTION. 1.04 SUBMITTALS A. PRODUCT DATA: PROVIDE PRODUCT DATA SHEETS FOR EACH TYPE OF PRODUCT INDICATED IN THIS SECTION. B. SHOP DRAWINGS: PROVIDE MANUFACTURERS STANDARD DETAILS AND APPROVED SHOP DRAWINGS FOR THE ROOF SYSTEM SPECIFIED. C. SAMPLES: PROVIDE SAMPLES OF INSULATIONS, FASTENERS, MEMBRANE MATERIALS AND ACCESSORIES FOR VERIFICATION OF QUALITY. D. CERTIFICATES: INSTALLER SHALL PROVIDE WRITTEN DOCUMENTATION FROM THE MANUFACTURER OF THEIR AUTHORIZATION TO INSTALL THE ROOF SYSTEM, AND ELIGIBILITY TO OBTAIN THE WARRANTY SPECIFIED IN THIS SECTION.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	6. SUPPLEMENTAL MEMBRANE ATTACHMENT TO THE ROOF DECK IS REQUIRED AT LOCATIONS OF DECK ANGLE CHANGES IN EXCESS OF FIVE (5) ANGLE DEGREES (1" IN 12").
	1.07 WRITTEN DIMENSIONS GIVEN, DO NOT SCALE DRAWINGS. IF REQUIRED DIMENSIONS ARE NOT INDICATED OR DIMENSIONS CONFLICT OR SEEM TO BE IN ERROR, PROMPTLY NOTIFY THE ARCHITECT FOR RESOLUTION.	1.05 QUALITY ASSURANCE A. MANUFACTURER'S QUALIFICATIONS: GAF SHALL PROVIDE A ROOFING SYSTEM THAT MEETS OR EXCEEDS ALL CRITERIA LISTED IN THIS SECTION. B. INSTALLER'S QUALIFICATIONS: 1. INSTALLER SHALL BE CLASSIFIED AS A MASTER OR MASTER SELECT CONTRACTOR AS DEFINED AND CERTIFIED BY GAF. C. SOURCE LIMITATIONS: ALL COMPONENTS LISTED IN THIS SECTION SHALL BE PROVIDED BY A SINGLE MANUFACTURER OR APPROVED BY THE PRIMARY ROOFING MANUFACTURER. D. FINAL INSPECTION MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE A COMPREHENSIVE FINAL INSPECTION AFTER COMPLETION OF THE ROOF SYSTEM. ALL APPLICATION ERRORS MUST BE ADDRESSED AND FINAL PUNCH LIST COMPLETED. 1.06 PRE-INSTALLATION CONFERENCE A. PRIOR TO SCHEDULED COMMENCEMENT OF THE ROOFING INSTALLATION AND ASSOCIATED WORK, CONDUCT A MEETING AT THE PROJECT SITE WITH THE INSTALLER, ARCHITECT, OWNER, GAF REPRESENTATIVE AND ANY OTHER PERSONS DIRECTLY INVOLVED WITH THE PERFORMANCE OF THE WORK. THE INSTALLER SHALL RECORD CONFERENCE DISCUSSIONS TO INCLUDE DECISIONS AND AGREEMENTS REACHED (OR DISAGREEMENTS), AND FURNISH COPIES OF RECORDED DISCUSSIONS TO EACH ATTENDING PARTY. THE MAIN PURPOSE OF THIS MEETING IS TO REVIEW FORESEEABLE METHODS AND PROCEDURES RELATED TO ROOFING WORK. 1.07 PERFORMANCE REQUIREMENTS A. PROVIDE AN INSTALLED ROOFING MEMBRANE AND BASE FLASHING SYSTEM THAT DOES NOT PERMIT THE PASSAGE OF WATER, AND WILL WITHSTAND THE DESIGN PRESSURES CALCULATED IN ACCORDANCE WITH MOST CURRENT REVISION OF ASCE 7. B. GAF SHALL PROVIDE ALL PRIMARY ROOFING MATERIALS THAT ARE PHYSICALLY AND CHEMICALLY COMPATIBLE WHEN INSTALLED IN ACCORDANCE WITH MANUFACTURERS CURRENT APPLICATION REQUIREMENTS. 1.08 REGULATORY REQUIREMENTS A. ALL WORK SHALL BE PERFORMED IN A SAFE, PROFESSIONAL MANNER, CONFORMING TO ALL FEDERAL, STATE AND LOCAL CODES. 1.09 DELIVERY, STORAGE AND HANDLING A. DELIVER ALL ROOFING MATERIALS TO THE SITE IN ORIGINAL CONTAINERS, WITH FACTORY SEALS INTACT. ALL PRODUCTS ARE TO CARRY A GAF® LABEL. B. STORE ALL PAUL GOODS IN THEIR ORIGINAL UNDAMAGED CONTAINERS IN A CLEAN, DRY LOCATION WITHIN THEIR SPECIFIED TEMPERATURE RANGE. C. DO NOT EXPOSE MATERIALS TO MOISTURE IN ANY FORM BEFORE, DURING, OR AFTER DELIVERY TO THE SITE. REJECT DELIVERY OF MATERIALS THAT SHOW EVIDENCE OF CONTACT WITH MOISTURE. D. REMOVE MANUFACTURER SUPPLIED PLASTIC COVERS FROM MATERIALS PROVIDED WITH SUCH. USE "BREATHABLE" TYPE COVERS SUCH AS CANVAS TARPULAINS TO ALLOW VENTING AND PROTECTION FROM WEATHER AND MOISTURE. COVER AND PROTECT MATERIALS AT THE END OF EACH WORK DAY. DO NOT REMOVE ANY PROTECTIVE TARPULAINS UNTIL IMMEDIATELY BEFORE THE MATERIAL WILL BE INSTALLED. E. MATERIALS SHALL BE STORED ABOVE 55°F (12.6°C) A MINIMUM OF 24 HOURS PRIOR TO APPLICATION. 1.10 PROJECT CONDITIONS A. WEATHER 1. PROCEED WITH ROOFING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. 2. AMBIENT TEMPERATURES MUST BE ABOVE 45°F (7.2°C) WHEN APPLYING HOT ASPHALT OR WATER BASED ADHESIVES.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	7. WELD SHALL BE A MINIMUM OF 1-1/2" IN WIDTH FOR AUTOMATIC MACHINE WELDING AND A MINIMUM 2" IN WIDTH FOR HAND WELDING.
	1.08 IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUBCONTRACTOR AND ALL THEIR FORCES TO BE AWARE OF ALL COMMENTS MADE BY THE JURISDICTIONAL BUILDING DEPARTMENT UPON THE OFFICIAL SIGNED AND SEALED CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL MAINTAIN A PROJECT FIELD SET AND SHALL INCORPORATE ALL APPROVED CHANGES WITHIN THE SCOPE OF WORK. IT SHALL ALSO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO NOTIFY THE ARCHITECT OF ANY AND ALL FIELD CHANGES ORDERED BY THE JURISDICTIONAL INSPECTORS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE WORK REQUIRED BY THESE DOCUMENTS WITH ALL TRADES INCLUDING AND NOT LIMITED TO STRUCTURAL, MECHANICAL, PLUMBING ELECTRICAL AND CIVIL DISCIPLINES.	1.06 PRE-INSTALLATION CONFERENCE A. PRIOR TO SCHEDULED COMMENCEMENT OF THE ROOFING INSTALLATION AND ASSOCIATED WORK, CONDUCT A MEETING AT THE PROJECT SITE WITH THE INSTALLER, ARCHITECT, OWNER, GAF REPRESENTATIVE AND ANY OTHER PERSONS DIRECTLY INVOLVED WITH THE PERFORMANCE OF THE WORK. THE INSTALLER SHALL RECORD CONFERENCE DISCUSSIONS TO INCLUDE DECISIONS AND AGREEMENTS REACHED (OR DISAGREEMENTS), AND FURNISH COPIES OF RECORDED DISCUSSIONS TO EACH ATTENDING PARTY. THE MAIN PURPOSE OF THIS MEETING IS TO REVIEW FORESEEABLE METHODS AND PROCEDURES RELATED TO ROOFING WORK. 1.07 PERFORMANCE REQUIREMENTS A. PROVIDE AN INSTALLED ROOFING MEMBRANE AND BASE FLASHING SYSTEM THAT DOES NOT PERMIT THE PASSAGE OF WATER, AND WILL WITHSTAND THE DESIGN PRESSURES CALCULATED IN ACCORDANCE WITH MOST CURRENT REVISION OF ASCE 7. B. GAF SHALL PROVIDE ALL PRIMARY ROOFING MATERIALS THAT ARE PHYSICALLY AND CHEMICALLY COMPATIBLE WHEN INSTALLED IN ACCORDANCE WITH MANUFACTURERS CURRENT APPLICATION REQUIREMENTS. 1.08 REGULATORY REQUIREMENTS A. ALL WORK SHALL BE PERFORMED IN A SAFE, PROFESSIONAL MANNER, CONFORMING TO ALL FEDERAL, STATE AND LOCAL CODES. 1.09 DELIVERY, STORAGE AND HANDLING A. DELIVER ALL ROOFING MATERIALS TO THE SITE IN ORIGINAL CONTAINERS, WITH FACTORY SEALS INTACT. ALL PRODUCTS ARE TO CARRY A GAF® LABEL. B. STORE ALL PAUL GOODS IN THEIR ORIGINAL UNDAMAGED CONTAINERS IN A CLEAN, DRY LOCATION WITHIN THEIR SPECIFIED TEMPERATURE RANGE. C. DO NOT EXPOSE MATERIALS TO MOISTURE IN ANY FORM BEFORE, DURING, OR AFTER DELIVERY TO THE SITE. REJECT DELIVERY OF MATERIALS THAT SHOW EVIDENCE OF CONTACT WITH MOISTURE. D. REMOVE MANUFACTURER SUPPLIED PLASTIC COVERS FROM MATERIALS PROVIDED WITH SUCH. USE "BREATHABLE" TYPE COVERS SUCH AS CANVAS TARPULAINS TO ALLOW VENTING AND PROTECTION FROM WEATHER AND MOISTURE. COVER AND PROTECT MATERIALS AT THE END OF EACH WORK DAY. DO NOT REMOVE ANY PROTECTIVE TARPULAINS UNTIL IMMEDIATELY BEFORE THE MATERIAL WILL BE INSTALLED. E. MATERIALS SHALL BE STORED ABOVE 55°F (12.6°C) A MINIMUM OF 24 HOURS PRIOR TO APPLICATION. 1.10 PROJECT CONDITIONS A. WEATHER 1. PROCEED WITH ROOFING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. 2. AMBIENT TEMPERATURES MUST BE ABOVE 45°F (7.2°C) WHEN APPLYING HOT ASPHALT OR WATER BASED ADHESIVES.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	8. ALL CUT EDGES OF REINFORCED MEMBRANE MUST BE SEALED WITH EVERGUARD TPO CUT EDGE SEALANT.
	1.09 STANDARDS CITED HEREIN, THE CODES, SPECIFICATIONS AND OTHER STANDARDS NOTED AND CITED IN THESE CONTRACT DOCUMENTS AS PRODUCED BY THE ARCHITECT AND HIS CONSULTANTS ARE HERIN INCORPORATED AS IF FULLY SET FORTH IN DOCUMENT. THESE NOTES PROVIDE SUPPLEMENTAL INFORMATION NECESSARY FOR THE APPLICATION OF THESE CODES, SPECIFICATIONS AND OTHER STANDARDS BY THE GENERAL CONTRACTOR AND SUBCONTRACTOR AND EMPHASIZE CERTAIN REQUIREMENTS OF THESE CODES, SPECIFICATIONS AND STANDARDS. THESE NOTES SHALL NOT BE CONSTRUED BY ANYONE TO BE ALL-INCLUSIVE OF, OR TO REPLACE OR ALLEViate, IN WHOLE OR PART, ANY OF THE CODES, SPECIFICATIONS AND STANDARDS CITED HEREIN. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE KNOWLEDGEABLE OF, AND SHALL AVAIL THEMSELVES TO THESE CODES SPECIFICATIONS AND OTHER STANDARDS AND APPLY THEM TO THE WORK.	1.07 PERFORMANCE REQUIREMENTS A. PROVIDE AN INSTALLED ROOFING MEMBRANE AND BASE FLASHING SYSTEM THAT DOES NOT PERMIT THE PASSAGE OF WATER, AND WILL WITHSTAND THE DESIGN PRESSURES CALCULATED IN ACCORDANCE WITH MOST CURRENT REVISION OF ASCE 7. B. GAF SHALL PROVIDE ALL PRIMARY ROOFING MATERIALS THAT ARE PHYSICALLY AND CHEMICALLY COMPATIBLE WHEN INSTALLED IN ACCORDANCE WITH MANUFACTURERS CURRENT APPLICATION REQUIREMENTS. 1.08 REGULATORY REQUIREMENTS A. ALL WORK SHALL BE PERFORMED IN A SAFE, PROFESSIONAL MANNER, CONFORMING TO ALL FEDERAL, STATE AND LOCAL CODES. 1.09 DELIVERY, STORAGE AND HANDLING A. DELIVER ALL ROOFING MATERIALS TO THE SITE IN ORIGINAL CONTAINERS, WITH FACTORY SEALS INTACT. ALL PRODUCTS ARE TO CARRY A GAF® LABEL. B. STORE ALL PAUL GOODS IN THEIR ORIGINAL UNDAMAGED CONTAINERS IN A CLEAN, DRY LOCATION WITHIN THEIR SPECIFIED TEMPERATURE RANGE. C. DO NOT EXPOSE MATERIALS TO MOISTURE IN ANY FORM BEFORE, DURING, OR AFTER DELIVERY TO THE SITE. REJECT DELIVERY OF MATERIALS THAT SHOW EVIDENCE OF CONTACT WITH MOISTURE. D. REMOVE MANUFACTURER SUPPLIED PLASTIC COVERS FROM MATERIALS PROVIDED WITH SUCH. USE "BREATHABLE" TYPE COVERS SUCH AS CANVAS TARPULAINS TO ALLOW VENTING AND PROTECTION FROM WEATHER AND MOISTURE. COVER AND PROTECT MATERIALS AT THE END OF EACH WORK DAY. DO NOT REMOVE ANY PROTECTIVE TARPULAINS UNTIL IMMEDIATELY BEFORE THE MATERIAL WILL BE INSTALLED. E. MATERIALS SHALL BE STORED ABOVE 55°F (12.6°C) A MINIMUM OF 24 HOURS PRIOR TO APPLICATION. 1.10 PROJECT CONDITIONS A. WEATHER 1. PROCEED WITH ROOFING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. 2. AMBIENT TEMPERATURES MUST BE ABOVE 45°F (7.2°C) WHEN APPLYING HOT ASPHALT OR WATER BASED ADHESIVES.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	9. THE MEMBRANE SHALL BE MECHANICALLY FASTENED IN THE SIDE LAP AREA TO THE ROOF DECK WITH APPROPRIATE DRILL-TEC FASTENERS AND PLATES AS REQUIRED BY ROOF SYSTEM SPECIFICATION AND/OR FACTORY MUTUAL CLASSIFICATION REQUIREMENTS.
	1.10 SUBSTITUTIONS RECEIVED AFTER BIDDING WILL BE REVIEWED AT THE DISCRETION OF THE ARCHITECT. ALL SUBSTITUTIONS MUST BE EQUAL OR BETTER THAN ITEM SPECIFIED DEMONSTRATING COMPATIBILITY OF PERFORMANCE, OPERATION AND AESTHETIC QUALITY TO THAT OF THE SPECIFIED ITEM. SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT IN THE FORM OF AN "ALTERNATE TO CONSTRUCTION DOCUMENTS SPECIFICATION" LETTER STARTING EACH ITEM TO BE SUBSTITUTED, ALONG WITH CUT SHEETS FOR BOTH THE SPECIFIED PRODUCT AND ALTERNATE. ALLOW TEN (10) DAYS REVIEW PERIOD FROM ARCHITECT'S RECEIPT OF SUBSTITUTION SUBMITTAL. ARCHITECT WILL DETERMINE ACCEPTABILITY OF ANY AND ALL SUBSTITUTIONS. ALL APPROVALS FOR SUBSTITUTIONS MUST BE OBTAINED PRIOR TO SUBMITTAL FOR SHOP DRAWING REVIEW. THE CONTRACTOR AND SUBCONTRACTORS BEAR ALL ADDITIONAL COSTS OF UNACCEPTABLE SUBSTITUTION IF USED IN ORIGINAL BID BEARS ALL ADDITIONAL COST FOR REMEDY IF UNAPPROVED SUBSTITUTION IS UTILIZED, DISCOVERED AND UNACCEPTABLE SUBSTITUTIONS WILL NOT BE CONSIDERED DUE TO SUB-CONTRACTOR LACK OF PROPER AND TIMELY ORDERING, SCHEDULING AND/OR PLANNING.	1.08 IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUBCONTRACTOR AND ALL THEIR FORCES TO BE AWARE OF ALL COMMENTS MADE BY THE JURISDICTIONAL BUILDING DEPARTMENT UPON THE OFFICIAL SIGNED AND SEALED CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL MAINTAIN A PROJECT FIELD SET AND SHALL INCORPORATE ALL APPROVED CHANGES WITHIN THE SCOPE OF WORK. IT SHALL ALSO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO NOTIFY THE ARCHITECT OF ANY AND ALL FIELD CHANGES ORDERED BY THE JURISDICTIONAL INSPECTORS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE WORK REQUIRED BY THESE DOCUMENTS WITH ALL TRADES INCLUDING AND NOT LIMITED TO STRUCTURAL, MECHANICAL, PLUMBING ELECTRICAL AND CIVIL DISCIPLINES.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	10. THE METAL PLATES MUST BE PLACED WITHIN 1/4" TO 1/2" OF THE MEMBRANE EDGE. PLATES SHALL NOT BE PLACED LESS THAN 1/4" FROM THE MEMBRANE EDGE.
	1.11 THE FOLLOWING SHOP DRAWINGS WILL BE REQUIRED FOR THE RELATED WORK (THE PRODUCTION OF THE REQUIRED SHOP DRAWING SHALL NOT BE CONSIDERED ANY EXTRA) (THE GENERAL CONTRACTOR SHALL RECEIVE AN APPLIED SOIL POSIONING TREATMENT TO PREVENT THE INFESTATION OF SUBTERRANEAN TERMITES. PROVIDE MATERIAL AND CHEMICALS APPROVED BY APA FOR THIS TYPE OF APPLICATION.	1.09 DELIVERY, STORAGE AND HANDLING A. DELIVER ALL ROOFING MATERIALS TO THE SITE IN ORIGINAL CONTAINERS, WITH FACTORY SEALS INTACT. ALL PRODUCTS ARE TO CARRY A GAF® LABEL. B. STORE ALL PAUL GOODS IN THEIR ORIGINAL UNDAMAGED CONTAINERS IN A CLEAN, DRY LOCATION WITHIN THEIR SPECIFIED TEMPERATURE RANGE. C. DO NOT EXPOSE MATERIALS TO MOISTURE IN ANY FORM BEFORE, DURING, OR AFTER DELIVERY TO THE SITE. REJECT DELIVERY OF MATERIALS THAT SHOW EVIDENCE OF CONTACT WITH MOISTURE. D. REMOVE MANUFACTURER SUPPLIED PLASTIC COVERS FROM MATERIALS PROVIDED WITH SUCH. USE "BREATHABLE" TYPE COVERS SUCH AS CANVAS TARPULAINS TO ALLOW VENTING AND PROTECTION FROM WEATHER AND MOISTURE. COVER AND PROTECT MATERIALS AT THE END OF EACH WORK DAY. DO NOT REMOVE ANY PROTECTIVE TARPULAINS UNTIL IMMEDIATELY BEFORE THE MATERIAL WILL BE INSTALLED. E. MATERIALS SHALL BE STORED ABOVE 55°F (12.6°C) A MINIMUM OF 24 HOURS PRIOR TO APPLICATION. 1.10 PROJECT CONDITIONS A. WEATHER 1. PROCEED WITH ROOFING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. 2. AMBIENT TEMPERATURES MUST BE ABOVE 45°F (7.2°C) WHEN APPLYING HOT ASPHALT OR WATER BASED ADHESIVES.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	11. IN THE CORNER REGIONS, ADDITIONAL FASTENERS SHALL BE INSTALLED THROUGH THE PERIMETER MEMBRANE TO FORM A GRID PATTERN, WITH AN 8" (40.5 CM) WIDE EVERGUARD TPO REINFORCED MEMBRANE FLASHING STRIP WELDED OVER THE ADDITIONAL FASTENERS. CORNERS INCLUDE BOTH OUTSIDE AND INSIDE CORNERS THAT MEASURE 75° - 105 ANGLE DEGREES.
	1.12 THE FOLLOWING SHOP DRAWINGS WILL BE REQUIRED FOR THE RELATED WORK (THE PRODUCTION OF THE REQUIRED SHOP DRAWING SHALL NOT BE CONSIDERED ANY EXTRA) (THE GENERAL CONTRACTOR SHALL RECEIVE AN APPLIED SOIL POSIONING TREATMENT TO PREVENT THE INFESTATION OF SUBTERRANEAN TERMITES. PROVIDE MATERIAL AND CHEMICALS APPROVED BY APA FOR THIS TYPE OF APPLICATION.	1.10 PROJECT CONDITIONS A. WEATHER 1. PROCEED WITH ROOFING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. 2. AMBIENT TEMPERATURES MUST BE ABOVE 45°F (7.2°C) WHEN APPLYING HOT ASPHALT OR WATER BASED ADHESIVES.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	12. SUPPLEMENTAL MEMBRANE ATTACHMENT TO THE ROOF DECK IS REQUIRED AT LOCATIONS OF DECK ANGLE CHANGES IN EXCESS OF FIVE (5) ANGLE DEGREES (1" IN 12").
	1.13 THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL ACQUIRE ALL NECESSARY PRODUCT APPROVALS USED AND INSTALLED ON THIS PROJECT AS WELL AS ANY ADDITIONAL COUNTY AND LOCAL JURISDICTION REQUIRING ADDITIONAL DATA, CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER TO CERTIFY APPLICATION OF SAID PRODUCT IN ACCORDANCE TO THE CODE HAVING JURISDICTION.	1.11 THE FOLLOWING SHOP DRAWINGS WILL BE REQUIRED FOR THE RELATED WORK (THE PRODUCTION OF THE REQUIRED SHOP DRAWING SHALL NOT BE CONSIDERED ANY EXTRA) (THE GENERAL CONTRACTOR SHALL RECEIVE AN APPLIED SOIL POSIONING TREATMENT TO PREVENT THE INFESTATION OF SUBTERRANEAN TERMITES. PROVIDE MATERIAL AND CHEMICALS APPROVED BY APA FOR THIS TYPE OF APPLICATION.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCREWS, PURLIN FASTENERS AND DRILLITEC™ SPIKES.	13. SUPPLEMENTAL MEMBRANE ATTACHMENT TO THE ROOF DECK IS REQUIRED AT LOCATIONS OF DECK ANGLE CHANGES IN EXCESS OF FIVE (5) ANGLE DEGREES (1" IN 12").
	1.14 IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBCONTRACTORS TO REVIEW ALL SHOP DRAWINGS AND SUBMITTALS PRIOR TO SUBMITTING SAME TO THE ARCHITECT. THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFYING ACTUAL EXISTING CONDITIONS RELATED TO SHOP DRAWINGS AND/OR SUBMITTALS.	1.12 THE FOLLOWING SHOP DRAWINGS WILL BE REQUIRED FOR THE RELATED WORK (THE PRODUCTION OF THE REQUIRED SHOP DRAWING SHALL NOT BE CONSIDERED ANY EXTRA) (THE GENERAL CONTRACTOR SHALL RECEIVE AN APPLIED SOIL POSIONING TREATMENT TO PREVENT THE INFESTATION OF SUBTERRANEAN TERMITES. PROVIDE MATERIAL AND CHEMICALS APPROVED BY APA FOR THIS TYPE OF APPLICATION.	2.06 ACCESSORIES A. MECHANICAL FASTENERS 1. DRILLITEC™ STANDARD SCREWS: STANDARD DUTY ALLOY STEEL INSULATION FASTENER WITH CR-10 COATING WITH A .220" DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS HEAD FOR USE ON STEEL AND WOOD DECKS. 2. DRILLITEC™ HD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .245" (6.2 MM) DIAMETER THREAD. MIAMI DADE AND FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON WOOD, CONCRETE AND STEEL DECKS. 3. DRILLITEC™ XHD SCREWS: HEAVY GAUGE ALLOY STEEL FASTENER WITH CR-10 COATING WITH A .275" (6.9 MM) DIAMETER THREAD, FACTORY MUTUAL STANDARD 4470 APPROVED, #3 PHILLIPS TRUSS HEAD FOR USE ON HEAVY STEEL DECKS, 0.5 B OR ALUMINUM ROOF DECKS. 4. DRILLITEC™ INSULATION PLATES: GALVALUME, 3" (76 MM) DIAMETER, SUITABLE FOR USE WITH DRILLITEC™ STANDARD AND HD SCREWS, AND DRILLITEC™ SPIKES. SPECIAL DESIGN AVAILABLE FOR USE WITH DRILLITEC™ POLYMER SCREWS. 5. DRILLITEC™ XHD PLATES: GALVALUME, 2 3/8" (60 MM) DIAMETER, WITH A BARBED UNDERSIDE. SUITABLE FOR USE WITH DRILLITEC™ STANDARD, HD, AND XHD SCRE	

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/home.asp>

7/11/2024 6:23:24 PM

Tracking #	Process #	Permit #
2024008996	M2024008996	2024059277

THIS COPY OF PLANS MUST BE AVAILABLE ON BUILDING SITE OR AN INSPECTION WILL NOT BE MADE.

Process #	Review	Disposition	Reviewer	Date
M2024008996	DERM CORE	A	GUILLARTE, YAILYN	2/21/2024
M2024008996	IMPACT FEES	A	INTERNET IMPACT FEES (IFS)	7/11/2024
M2024008996	WASA	A	ROCA, ROBERTO	4/2/2024
M2024008996	DEPT OF HEALTH	A	TOLEDO, GABRIEL	7/3/2024
M2024008996	DERM PAVING & DRAINAGE	A	WHITTAKER, KAHEILL	3/20/2024
M2024008996	DERM ONSITE SEWAGE TREATMENT & DISPOSAL SYSTEMS	N	OLMINO, BETSY	2/28/2024
M2024008996	UPFRONT FEES	A	WEB APPLICATION ID	2/16/2024

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
Approved	DERM	A	Approved
Approved	HRS	A	Approved
Void	HRS	V	Void

SYSTEMS NOTE

1. TEMPERATURE CONTROLS:
- FOR EXISTING EQUIPMENT: SHALL BE SERVICED AND RELOCATED AS SHOWN. IF NEW THERMOSTAT IS PROVIDED IT SHALL MATCH BUILDING STANDARDS.
 - NEW UNITS: THERMOSTAT SHALL BE COMBINATION COOLING/HEATING, WITH SYSTEM "COOL-AUTO- HEAT-OFF" AND FAN "ON-AUTO" SELECTOR SWITCHES. PROVIDE PROGRAMMABLE TYPE AS RECOMMENDED BY MANUFACTURER, HONEYWELL OR EQUAL.
 - POWER PROVISIONS: SHALL BE FURNISHED AND INSTALLED BY ELEC. CONTRACTOR UNLESS OTHERWISE NOTED, CONTROL WIRING BY MECH/CONTROL CONTRACTOR.
 - 24V TRANSFORMER SHALL BE PROVIDED BY MANUFACTURER FOR ALL UNITS/EQUIPMENT THAT REQUIRE CONTROL POWER FOR UNITARY CONTROLLERS, IF NOT OTHERWISE NOTED.
 - 120V POWER AS REQUIRED BY SYSTEM CONTROLLERS SHALL BE PROVIDED/COORDINATED BY ELEC. CONTRACTOR WITH MECH. AND CONTROLS CONTRACTORS.
2. THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER AND ENGINEER BEFORE INSTALLATION. INSTALL THERMOSTAT PER A.D.A REQUIREMENTS WHERE APPLICABLE; MAX. 48" HIGH FOR FORWARD REACH, MAX. 48" HIGH FOR SIDE REACH. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL REQUIREMENTS FOR JUNCTION BOXES, CONDUITS, CONTROL WIRING, POWER, ETC. AND DEFINE RESPONSIBILITIES AND SCOPE OF WORK FOR EACH TRADE PRIOR TO PURCHASING/INSTALLATION.
- SPECIAL NOTE**
WHENEVER THERE ARE MORE THAN ONE SENSOR OR THERMOSTAT, SIDE BY SIDE, THEY SHALL BE GANGED TOGETHER WITHIN THE SAME COVER PLATE WHEREVER POSSIBLE. CONTRACTOR SHALL COORDINATE THIS ISSUE WITH ARCHITECT/OWNER PRIOR TO INSTALLATION AND SHALL BRING ANY DISCREPANCY TO THE ENGINEER'S ATTENTION.
3. REFRIGERANT LINES SHALL BE COPPER, TYPE "L" HARD DRAWN WITH WROUGHT COPPER BRAZING-JOINT TYPE FITTINGS. USE BRAZING MATERIALS FOR HIGH PRESSURE PIPING PER AWS A5.8: BCP SERIES COPPER-PHOSPHORUS ALLOY OR BAQ1 SILVER ALLOY. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. SOFT COPPER TYPE "M" SHALL BE ALLOWED FOR RISER PIPING INSIDE CHASE TO LIMIT NUMBER OF JOINTS. COORDINATE WITH ENGINEER FOR PRIOR APPROVAL. ALL EXPOSED INSULATION SHALL BE PROTECTED WITH A PROTECTIVE, PUNCTURE AND TEAR RESISTANT JACKETING SYSTEM EQUAL TO "VENTURE CLAD" AND COMPLY WITH FMC 2020, SEC.1101.3 PROTECTION.
PIPING INSULATION EXPOSED TO THE WEATHER SHALL BE PROTECTED FROM DAMAGE, INCLUDING THAT DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND, AND SHALL PROVIDE SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL (ADHESIVE TAPE SHALL NOT BE PERMITTED) COMPLIANT WITH FEC 2020, SEC. C403.2.10.
4. "ARMAFLEX" OR EQUAL INSULATION SHALL BE USED FOR SUCTION REFRIGERANT LINES WITH THICKNESS PER FLORIDA ENERGY CODE TABLE C403.2.10. FILTER/DRYER AND SIGHT GLASS SHALL BE PROVIDED AT LIQUID LINES.
5. PROVIDE NEW FILTERS FOR ALL AIR CONDITIONING EQUIPMENT BEFORE START-UP, REPLACE PRIOR TO FINAL ACCEPTANCE BY OWNER.
6. HVAC CONTRACTOR SHALL PROVIDE VENTILATION CONTROLS COMPLIANT WITH FMC 2020, SEC. 403 AND 405, FOR ALL SYSTEMS AND SHALL VERIFY EXISTING CONDITIONS FOR COMPLIANCE, AS REQUIRED, FOR A FULLY OPERATIONAL SYSTEM.
7. MECHANICAL EQUIPMENT ON ROOF OR ELEVATED STRUCTURES SHALL COMPLY WITH FMC 2020 PAR. 306.5 IF INSTALLED HIGHER THAN 16 FEET A.F.F. MECHANICAL EQUIPMENT INSTALLED IN ATTICS SHALL MEET THE REQUIREMENTS OF FMC 2020 PAR. 306.3 IF THE EQUIPMENT CAN NOT BE SERVICED/REMOVED THROUGH REQUIRED OPENING. MECHANICAL EQUIPMENT SHALL BE PROTECTED WITH MECHANICAL BARRIERS IF EXPOSED TO MECH. DAMAGE. ALL EQUIPMENT SHALL BE INSTALLED ON CONCRETE PADS AT GRADE LEVEL, SIZED PER STRUCTURAL PLANS.

- SPECIAL NOTE**
ALL WIND LOAD AND OTHER COMPLIANCE CALCULATIONS AND/OR INSTALLATION DETAILS FOR OUTDOOR MOUNTED MECHANICAL EQUIPMENT AS REQUIRED BY FBC 2020, SEC. 1522 AND CHAPTER 16, SHALL BE PROVIDED BY A STRUCTURAL ENGINEER AND ARE SHOWN ON THESE PLANS FOR REFERENCE ONLY. SUCH CALCULATIONS SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER OR BY THE GENERAL OR MECHANICAL CONTRACTOR ON BEHALF OF CLIENT.
CONTRACTOR TO PROVIDE WIND LOAD CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER IN ORIGINAL FOR COMPLIANCE WITH SEC. 301.15 OF FMC 2020, INCLUDING ANY DOCUMENTATION REQUIRED BY LOCAL JURISDICTION FOR PERMIT PURPOSES.
8. PROVIDE A MIN. OF 36" CLEARANCE IN FRONT OF ALL 120-208/240 VOLT PANELS AND MIN. 42" CLEARANCE IN FRONT OF ANY 277-480 VOLT PANEL. PROVIDE ADEQUATE SIDE CLEARANCE PER NEC 110.26.
9. MECHANICAL PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS SHALL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CHANGES IN DUCTWORK SIZE AND ROUTE WILL BE REQUIRED TO AVOID STRUCTURAL, PLUMBING, FIRE SPRINKLER AND ARCHITECTURAL BUILDING FEATURES. DUCTWORK CHANGES MAY BE MADE BY CONTRACTOR USING EQUIVALENT SIZED DUCT. CONTACT ENGINEER IF DUCT AREA WILL NOT FIT.
10. CONDENSATE DRAIN PIPING TO BE AS SPECIFIED PER PLUMBING PLANS. IF NOT SPECIFIED THEY SHALL BE TYPE "L" COPPER OR PVC WHERE ALLOWED BY CODE WITH INSULATION THICKNESS PER FEC 2020 TABLE C403.2.9.1. PROVIDE APPROVED WATER LEVEL DETECTOR OR FLOAT SWITCH TO AUTOMATICALLY SHUT DOWN THE AIR COND. UNIT, AS A SECONDARY DRAIN SYSTEM TO COMPLY WITH FMC 2020, SEC. 307 SUPPLY CONDENSATE PUMP WHERE NECESSARY AS IMPOSED BY FIELD CONDITIONS OR INSTALLATION CHANGES AND PIPE TO CONDENSATE DRAIN PER PLUMBING PLANS.
11. CLEARANCE FOR MAINTENANCE, SERVICE, REPAIRS, AND REPLACEMENT FOR ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED TO COMPLY WITH FMC 2020, SEC. 306. SERVICE ACCESS PANELS FOR MECH. EQUIPMENT IN CONCEALED SPACES SHALL BE PROVIDED TO COMPLY WITH THE REQUIREMENTS OF SEC. 306.
12. CORROSION COATING: CONTRACTOR SHALL PROVIDE CORROSION COATING TO CONDENSER/EVAPORATOR COILS, EQUIPMENT CASINGS/CABINETS AND ALL EXPOSED COPPER PIPING/ COMPRESSORS/ CONDENSER SECTION, AS WELL AS, ANY EXPOSED METAL WITHIN AIRSTREAM BY 3RD PARTY AS APPLIED BY BLYGOLD, LUVATA, ADVANCOAT OR APPROVED EQUAL WITH STANDARD 5-YEAR WARRANTY.
13. MATERIALS ALLOWED IN RETURN AIR PLENUMS OR ABOVE CEILINGS USED AS RETURN AIR PLENUM SHALL COMPLY WITH FMC 2020, SEC. 602.2.1. IF SPACE WITH RETURN AIR PLENUM HAS ANY DECK TO DECK PARTITIONS, AIR TRANSFER DUCTS MUST BE INSTALLED. WHEN CPVC PIPING IS USED FOR FIRE SPRINKLER SYSTEMS, THE R/A GRILLES LAYOUT SHALL BE (FIELD) COORDINATED WITH SUCH PIPING SO THAT NO PORTION OF THE GRILLES WILL BE DIRECTLY BELOW THE CPVC PIPING. STUD CAVITIES AND JOIST SPACE PLENUMS SHALL COMPLY WITH FMC 2020, SEC. 602.3.

CONTRACTOR NOTE

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, THE FLORIDA BUILDING CODE 2020 AND ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES AND THE LISTED EDITION OF THE FOLLOWING PUBLICATIONS: SMACNA/ANSI-2018, SMACNA-10, 88; ASHRAE 15-2019; 34-2019 62.1-2016; NFPA 70-2017, 72-16, 90A-15, 91-15, 96-17, 101-2018, NEBB-2005; NAIMA-2009; NFRC 100-2017, 200-2017, 400-2017; ANSI Z10.0-2019, Z21.8-2017, Z21.83-98.
2. THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.
3. THE CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WORK WITH OTHER TRADES.
4. THE CONTRACTOR SHALL SUPPLY THE ARCHITECT/ENGINEER WITH "AS-BUILT" DRAWINGS.
5. CONTRACTOR SHALL SUBMIT, FOR APPROVAL FIVE (5) COPIES OF A COMPLETE SET OF SHOP DWGS (INCLUDING DUCTWORK), MANUFACTURER'S SUBMITTALS FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT.
6. ALL MATERIAL SHALL BE NEW OF U.S. MANUFACTURER OF GOOD QUALITY.
ALL WORK SHALL BE PERFORMED AT INDUSTRY STANDARD QUALITY LEVEL BY CERTIFIED PROFESSIONALS.
ALL EQUIPMENT SHALL BE UL OR ETL LISTED.
ALL INSTALLATIONS SHALL COMPLY WITH FMC 2020, CH. 3, GENERAL REGULATIONS.

FOR BUILDINGS LOCATED WITHIN 3,000 FT FROM THE OCEAN, CONTRACTOR SHALL UTILIZE NON-FERROUS MATERIALS OR PROVIDE CORROSION COATING FOR ALL OUTDOOR EXPOSED METAL/STEEL EQUIPMENT, SUPPORTS, STANDS, FASTENERS, ETC. BY 3RD PARTY AS APPLIED BY BLYGOLD, LUVATA, ADVANCOAT (ENSEAL OR) OR APPROVED EQUAL WITH STANDARD 5-YEAR WARRANTY.
7. HVAC CONTRACTOR SHALL PROVIDE A T & B REPORT PER FEC 2020, SEC. C 408.2.2. FOR SYSTEMS OVER 15 TONS, THE T & B SHALL BE PERFORMED BY A CERTIFIED, INDEPENDENT COMPANY FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AND ANY AIR MOVING SYSTEMS. THE TEST AND BALANCE REPORT SHALL BE IN ACCORDANCE WITH THE AABC OR NEBB STANDARDS AND PROCEDURES AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLES, RETURN GRILLES AND EXHAUST GRILLES AND THE LEAVING AND ENTERING AIR TEMPERATURE (T) FROM SUPPLY GRILLES, EVAPORATORS, ENERGY RECOVERY UNITS AND ANY TYPE OF HEAT EXCHANGERS.

EXCEPTIONS:
1. BUILDINGS WITH COOLING OR HEATING SYSTEM CAPACITIES OF 15 TONS OR LESS PER SYSTEM MAY BE TESTED AND BALANCED BY A MECHANICAL CONTRACTOR LICENSED TO DESIGN AND INSTALL SUCH SYSTEM(S)
2. BUILDINGS WITH COOLING OR HEATING SYSTEM CAPACITIES OF 65,000 BTU/H OR LESS PER SYSTEM ARE EXEMPT FROM THE REQUIREMENTS OF THIS SECTION.

BUILDING ENVELOPE SHALL BE POSITIVELY PRESSURIZED TO PREVENT INFILTRATION PER FEC 2020, SEC. C 408.2.2.1.
8. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT. IN ORDER TO PROVIDE A FULLY INTEGRATED MECHANICAL AND CONTROLS SYSTEMS WITH THE EXISTING ONES. ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND PLANS, OR ADDITIONAL CLARIFICATION REQ'D SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO FINAL BIDDING AND WORK.
9. MANUFACTURER'S WARRANTY: CONTRACTOR SHALL PROVIDE WARRANTY FOR A PERIOD OF (1) ONE YEAR AFTER BUILDING C.O. FOR ALL MECHANICAL DUCTWORK, CONTROLS ACCESSORIES AND ALL OTHER EQUIPMENT, PARTS AND LABOR UNDER THESE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE WARRANTY FOR COMPRESSORS FOR (5) FIVE YEARS. ANY REPAIRS REQUIRING SYSTEM SHUTDOWN WILL BE DONE DURING NON-OPERATIONAL PERIODS OR AS AGREED WITH OWNER.
10. IF REMODELLING AN EXISTING SPACE, THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID. CONTRACTOR SHALL INSPECT ALL EXISTING AND NEW COMPONENTS OF THE MECHANICAL SYSTEMS AND ENSURE THAT ALL ARE OPERATIONAL AND WORKING AS SHOWN ON THE APPROVED CD PLANS AT THE TIME OF C.O.

DUCTWORK NOTE

1. DUCTWORK:
DUCTWORK CONSTRUCTION, INSTALLATION AND MINIMUM INSULATION R-VALUES SHALL COMPLY WITH FEC 2020, SEC. C403.2.9 AND TABLE C403.2.9.1, S.M.A.C.N.A. MANUAL FOR MEANS AND METHODS AND MANUFACTURER'S INSTRUCTIONS.
DUCT SIZING IS COMPLIANT WITH FMC SEC. 603.2 BASED ON ASHRAE "EQUAL FRICTION" METHOD, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS.

A. ALL AIR CONDITIONING DUCTWORK INSTALLED IN VENTILATED ATTIC SHALL BE GALVANIZED, DOUBLE WALL SHEETMETAL EQUAL TO UNITED MCGILL K-27", WITH MIN. R-8 INSULATION AND SEALED SEAMS AND JOINTS. THE CONTRACTOR SHALL PROVIDE ALL SHEETMETAL DUCTWORK, HANGERS, AUX. SUPPORT STEEL, ETC. PROVIDE SOLID LINER AND COAT WITH TWO COATS OF CORROSION-RESISTANT PAINT OR EQUIVALENT. PROVIDE OPTIONAL (OWNER'S DECISION) ALUMINUM OR STAINLESS STEEL CONSTRUCTION.

SPECIAL NOTE

SMACNA DUCT PRESSURE CLASSES BASED ON OPERATING PRESSURE ARE: 1/2", 1", 2", 3", 4", 6", AND 10". EACH DUCT SYSTEM SHALL BE CONSTRUCTED FOR THE SPECIFIC DUCT PRESSURE CLASS SHOWN ON PLANS. WHERE NO PRESSURE CLASS IS SPECIFIED FOR CONSTANT VOLUME SYSTEMS, 1" W.G. PRESSURE CLASS IS THE BASIS OF COMPLIANCE WITH THE SMACNA STANDARDS REGARDLESS OF VELOCITY. WHERE NO PRESSURE CLASS IS SPECIFIED FOR VARIABLE VOLUME SYSTEMS, 2" W.G. PRESSURE CLASS IS THE BASIS OF COMPLIANCE WITH THE SMACNA STANDARDS FOR DUCTWORK UPSTREAM OF VAV BOXES. ALL DUCTWORK SHALL BE SEALED TO SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" FOR ITS PRESSURE CLASS SEALING METHODS.

NONMETALLIC DUCTS SHALL BE CONSTRUCTED WITH CLASS 0 OR CLASS 1 DUCT MATERIAL AND SHALL COMPLY WITH UL 181. THE AIR TEMPERATURE WITHIN NONMETALLIC DUCTS SHALL NOT EXCEED 250F (121C) PER FMC 2020 SEC 603.5.

2. ALL EXHAUST DUCTS AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL WITH SEALED SEAMS AND JOINTS. ALL OUTSIDE AIR DUCT SHALL BE INSULATED WITH EXTERNAL BLANKET INSULATION R-6 MIN. ALL METAL EXHAUST, MAKE-UP OR OTHERWISE DUCTS INSTALLED IN LOCATIONS WHERE DEWPOINT CONDITIONS CAN OCCUR INSIDE THE DUCT SHALL BE EXTERNALLY INSULATED WITH R-6 MIN. AIR INTAKE AND EXHAUST OPENINGS SHALL BE SCREENED WITH A CORROSION RESISTANT MATERIAL PER FMC 2020, TABLE 401.5. AND 501.3.2. LOUVERS THAT PROTECT EXHAUST OPENINGS IN STRUCTURES LOCATED IN HURRICANE-PRONE REGIONS, AS DEFINED IN THE FLORIDA BUILDING CODE (BUILDING) SHALL COMPLY WITH AMCA STANDARD 550. OUTDOOR OPENINGS LOCATED IN EXTERIOR WALLS SHALL MEET THE PROVISIONS FOR EXTERIOR WALL OPENING PROTECTIVES IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (BUILDING).

3. O/A INTAKES SHALL NOT BE TAKEN FROM A LOCATION CLOSER THAN 10 FT FROM ANY CHIMNEY, VENT OUTLET OR SANITARY SEWER VENT OUTLET PER FMC 2020, SEC. 401.4. OUTSIDE AIR INTAKE VENTS LOCATED ON ROOFS WILL BE PROPERLY MARKED WITH A UNIVERSAL MARKING "INTAKE", PERMANENTLY ATTACHED.

4. DUCT SIZES SHOWN ON PLANS ARE INSIDE DIMENSIONS.

5. ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSED SURFACE OFF WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ARCHITECT. DEVICES SHALL BE AS SPECIFIED OR EQUAL TO ITUS, PRICE OR METALAIR. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS AS INDICATED ON PLANS. PROVIDE BALANCING DAMPERS FOR ALL SUPPLY AND RETURN DIFFUSERS AND REGISTERS AND TO ENSURE COMPLIANCE WITH FMC 2020 SEC. 601.5 FOR BALANCED RETURN/TRANSFER AIR FLOW.

ALL BRANCH TAKE-OFFS TO BE PROVIDED W/ MANUAL VOLUME DAMPERS. PROVIDE RADIUS ELBOWS WHERE FEASIBLE, SQUARE ELBOWS AND TEE'S SHALL BE FURNISHED W/SINGLE FOIL TURNING VANES. PROVIDE MANUAL VOLUME DAMPERS WITH EXTRACTOR AT ALL FLEX TAKE-OFFS. PROVIDE REMOTE, CABLE OPERATED VOLUME DAMPERS IN INACCESSIBLE AND HARD CEILING AREAS, "YOUNG REGULATOR" OR EQUAL.

- ALL DUCT INSULATION SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX NOT MORE THAN 50, WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

- 7.

LEGEND

- ☒ NEW S/A CEILING DIFFUSER
- ☐ NEW R/A CEILING GRILLE
- ☒ EXISTING S/A CEILING DIFFUSER
- ☐ EXISTING R/A CEILING GRILLE
- VOLUME CONTROL DAMPER
- REDUCER OR INCREASER
- NEW FLEX DUCT
- NEW DUCTWORK
- BELLMOUTH TAP
- ☒ CEILING EXHAUST FAN
- ☒ SUPPLY AIR DIFFUSER OR GRILLE DESIGNATION
- ☒ RETURN/EXHAUST AIR DIFFUSER OR GRILLE DESIGNATION
- ☒ EQUIPMENT TAG
- ① THERMOSTAT
- SUPPLY AIR
- RETURN AIR
- DOOR UNDER CUT

HVAC ABBREVIATION LEGEND

- AFF ABOVE FINISH FLOOR
- AHU AIR HANDLING UNIT
- CU CONDENSING UNIT
- EAG EXHAUST AIR GRILLE
- EF EXHAUST FAN
- EXH EXHAUST
- E/A EXHAUST AIR
- S/A SUPPLY AIR
- N NEW
- E EXISTING
- GR GRILLE
- R/A RETURN AIR
- RAG RETURN AIR GRILLE
- O/A OUTSIDE AIR
- M/A MAKE-UP AIR
- WMS WIRE MESH SCREEN
- CG CEILING
- BDD BACK DRAFT DAMPER
- RE RELOCATED

SHEET INDEX

SHEET#	
M1	MECHANICAL NOTES, LEGEND, INDEX & PLAN
M2	MECHANICAL PLAN
M3	MECHANICAL SCHEDULES & DETAILS

EXHAUST AIR CALCULATIONS

SPACE SERVED OR UNIT TAG	SPACE AREA (SQ.FT.)	SPACE HEIGHT (FT)	SPACE VOLUME (CU.FT.)	VENTILATION REQ'D AC/HR OR CFM	TOTAL CFM REQUIRED	TOTAL CFM PROVIDED	EXHAUST FAN
NEW BEDROOM 3 BATHROOM	60	-	-	50 CFM/W.C.	50	50	EF-1
TOTAL	60.0				50.0	50.0	

NOTES:

1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FBC-2020 AND ICC.

4% VENTILATION OPEN AREA CALCULATIONS

REFER TO ARCHITECTURAL PLANS FOR OPEN AIR CALCULATIONS COMPLYING WITH FMC SEC.402.

ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE.
MIAMI, FL 33156



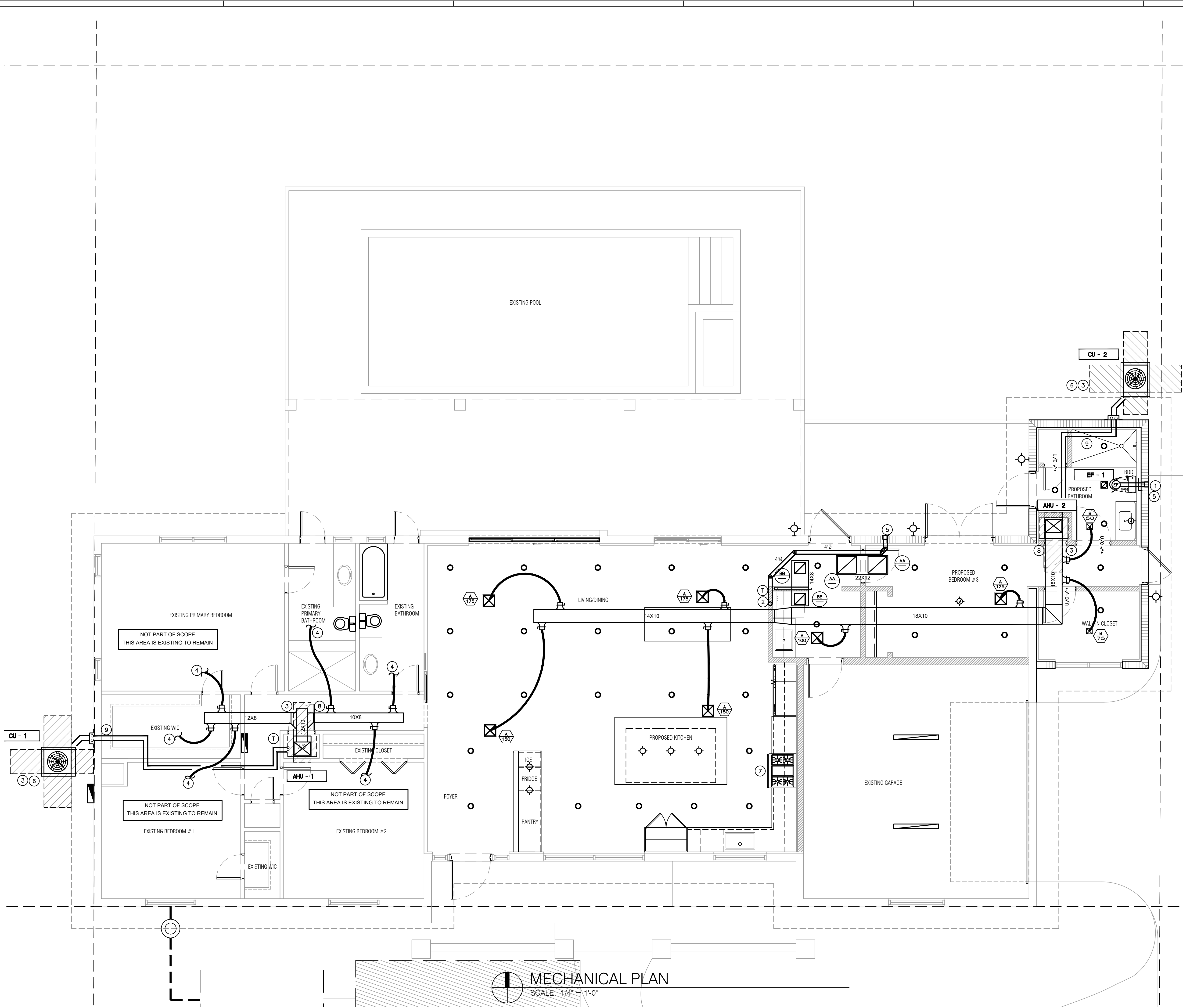
DRAWN BY
DATE -- PROJECT
04.03.23 CHECKED BY 22-84

REVISIONS

△ BDC 11-09-2023

MECHANICAL
NOTES

M1



SCOPE OF WORK

1. PROVIDE NEW AC UNIT AND EXHAUST FOR NEW PROPOSED IN LAW QUARTERS
2. RE-USE EXISTING AC UNIT AND PROVIDE NEW DUCTWORK AND DIFFUSERS FOR NEW MODIFIED SPACE.

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING ANY BID OR COMMENCING ANY WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
2. ALL INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FROM LIMITED FIELD OBSERVATIONS. THE ENGINEER MAKES NO REPRESENTATION FOR THE ACCURACY OF SUCH INFORMATION AND/OR ALL THE EXISTING MATERIALS, DIMENSIONS, CONDITIONS, ETC.
3. ALL DIFFUSERS IN HARD CEILING SHALL BE PROVIDED WITH INTERNAL CABLE CONTROL TO ADJUST VOLUME DAMPERS.
4. ALL WORK SHALL BE DONE IN CONFORMITY WITH THE LATEST EDITION OF ALL APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION.
5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS REGARDING HIS WORK.
6. FOR ALL ADDITIONAL INFORMATION REGARDING SCOPE OF WORK AND BUILDING CONDITION, COORDINATE WITH ARCHITECTURAL PLANS.

KEY NOTES

- 1 PROVIDE 6"Ø EXHAUST DUCT TO X-VENT BOX 6SEB
- 2 PROVIDE 4"Ø DRYER DUCT TO X-VENT BOX 4SEB. CONTRACTOR TO VERIFY CONNECTION SIZE OF DRYER PRIOR TO PURCHASING AND INSTALLATION. EXHAUST SHALL BE 3'0"MIN. AWAY FROM ANY OPERABLE OPENING.
- 3 PROVIDE SERVICE ACCESS PER MANUFACTURER REQUIREMENTS AND NEC.
- 4 CONNECT INTO EXISTING BEDROOM SUPPLY DUCT.
- 5 EXHAUST DISCHARGE SHALL BE LOCATED 3'-0" MIN. AWAY FROM ANY INTAKE OPENING OR OPERABLE WINDOW
- 6 PROVIDE 6" CONCRETE PAD FOR CONDENSING UNITS.
- 7 KITCHEN HOOD BY OWNER (600 CFM MAX). PROVIDE 6" EXHAUST DUCT CONSTRUCT OF GA. STEEL AND TO BE VENTED TO EXTERIOR WITH BACK DRAFT DAMPER. EXHAUST DISCHARGE SHALL BE MIN. 10'-0" AWAY FROM ANY OPERABLE OPENING.
- 8 PROVIDE PLENUM RATED CLOSET WITH FULLY LOUVERED DOOR PAINTED WITH INTUMESCENT PAINT.
- 9 FIELD COORDINATE REF. LINES TO CONDENSING UNIT. PROVIDE REF. LINE JACKET AND COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT.



Department of Regulatory and Economic Resources
Impact Fee Assessment

Process Number: M2024008996-0

Batch:

Collection Number:

Folio: 2050020430100

Site Address: 10300 SW 70 AVE

CP*: N

Assessment Date: 03/20/2024

Fee Payer:

Online Payment available at:

CP*: Exempt from Public Records 119.071 Florida Statutes <https://www.miamidade.gov/apps/rer/ImpactFeesPayments/default.aspx>

Y: Exempt

N: No Exempt

Blank: No info

Payment can be made by Credit Card, Cash, Check or Cashiers's Check

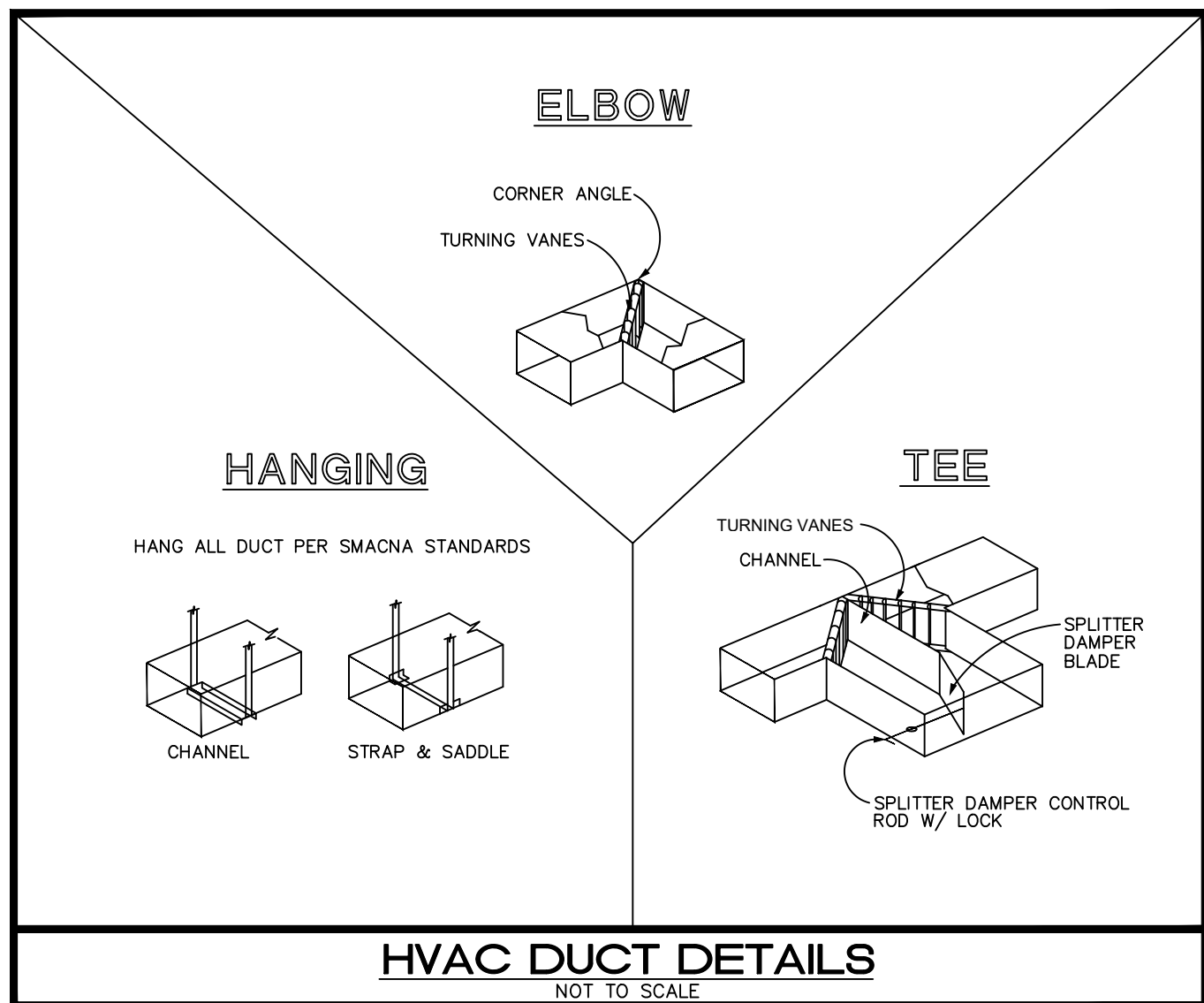
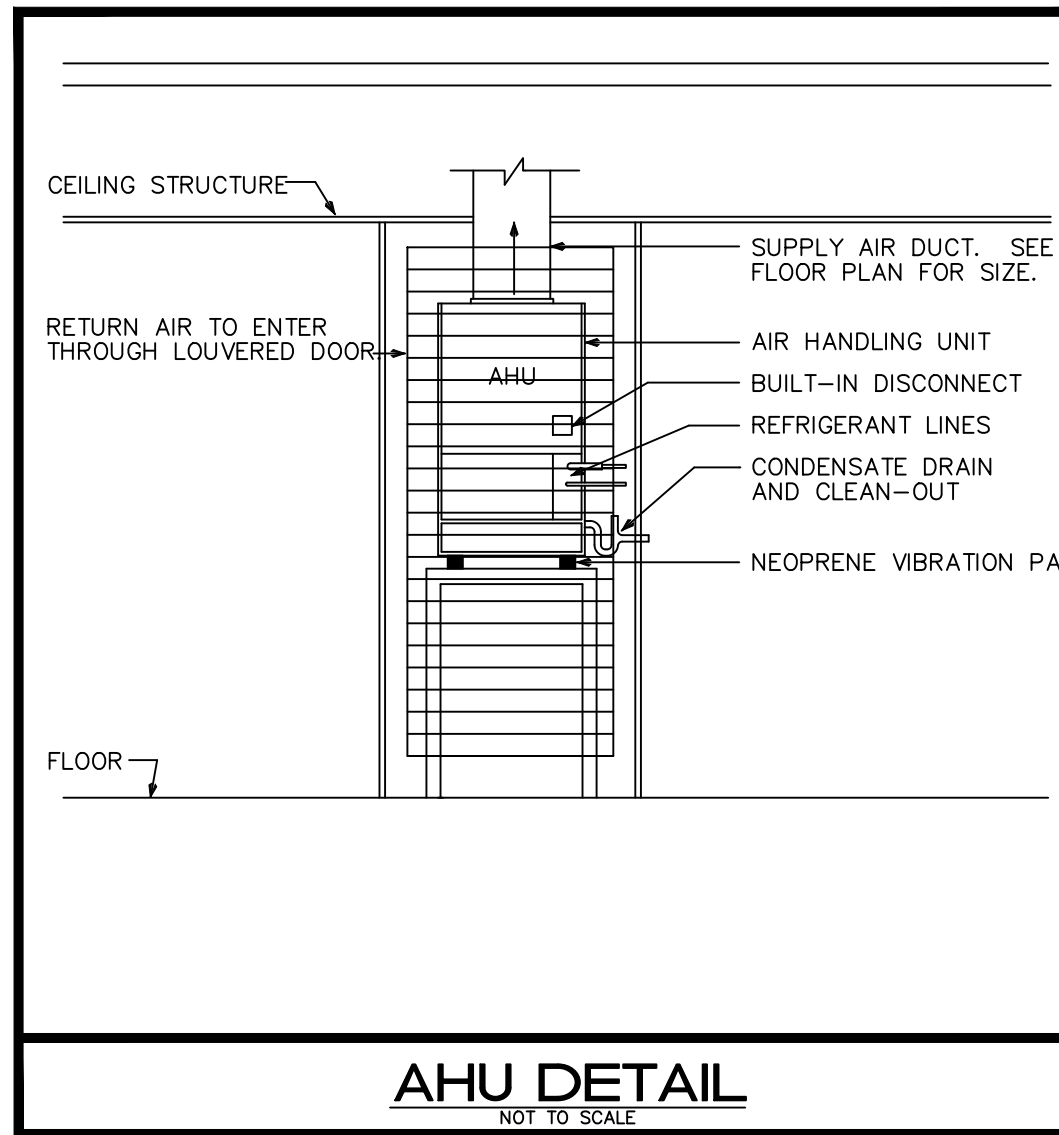
Payable to Miami Dade County

Fee Type	Dist Id	Category Code	Cat Suffix	Category Description	Units	Fee	Extended Amount
AREA							
	1	5002	00	UNIT SIZE (SQ FT)	236	\$0.9180	\$216.65

Assessment Total Amount: \$216.65

Deferral Amount: \$0.00

Current Balance Due: \$216.65



EXHAUST FAN SCHEDULE																
SELECTION DATA					FAN DATA			MOTOR DATA				GENERAL DATA				
TAG	SERVICE AREA	MANUF.(*)	MODEL	CONFIG.	CFM	ESP ("WG)	SONES	HP	RPM	DRIVE	VOLTAGE	WEIGHT (LBS)	DIMENSIONS L"xW"xH"	OPENING L"xW"	CONTROL	ACCESSORIES
EF-1	BEDROOM BATHROOM	GREENHECK	SP-A90	CEILING	50	.37	0.8	14 WATTS	900	DIRECT	120/1/60	12	11X13X9	*	LIGHT INTERLOCK	SEE BELOW

(*) APPROVED EQUAL MANUFACTURER: COOK, TWIN-CITY, ACME.

ACCESSORIES NOTES:

1. PROVIDE GRILLE COLOR PER ARCH. SPECS

2. PROVIDE BACK DRAFT DAMPER

3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND INTEGRAL THERMAL OVERLOAD PROTECTION, COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ANY PURCHASING.

4. PROVIDE BIRD SCREEN

5. LOCATE BACK DRAFT DAMPER AT DISCHARGE

6. SUPPORT FROM STRUCTURE COMPLETE WITH VIBRATION ISOLATORS

7. PROVIDE XVENT BOX

8. PROVIDE STEP DOWN TRANSFORMER FOR LIGHT INTERLOCK

NOTES:

a. MOTOR STARTERS, FUSED DISCONNECTS AND ALL EQUIPMENT POWER WIRING PROVIDED BY ELEC. CONTRACTOR MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE PRIOR TO ANY WORK AND PURCHASING

c. FIELD ADJUST OPENINGS WITH STRUCTURE.

e. COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE BIDDING OR ORDERING ANY EQUIPMENT.

f. SEE PROJECT PLANS AND SPECIFICATIONS FOR OTHER FIELD SUPPLIED ITEMS AND ADDITIONAL INFORMATION.

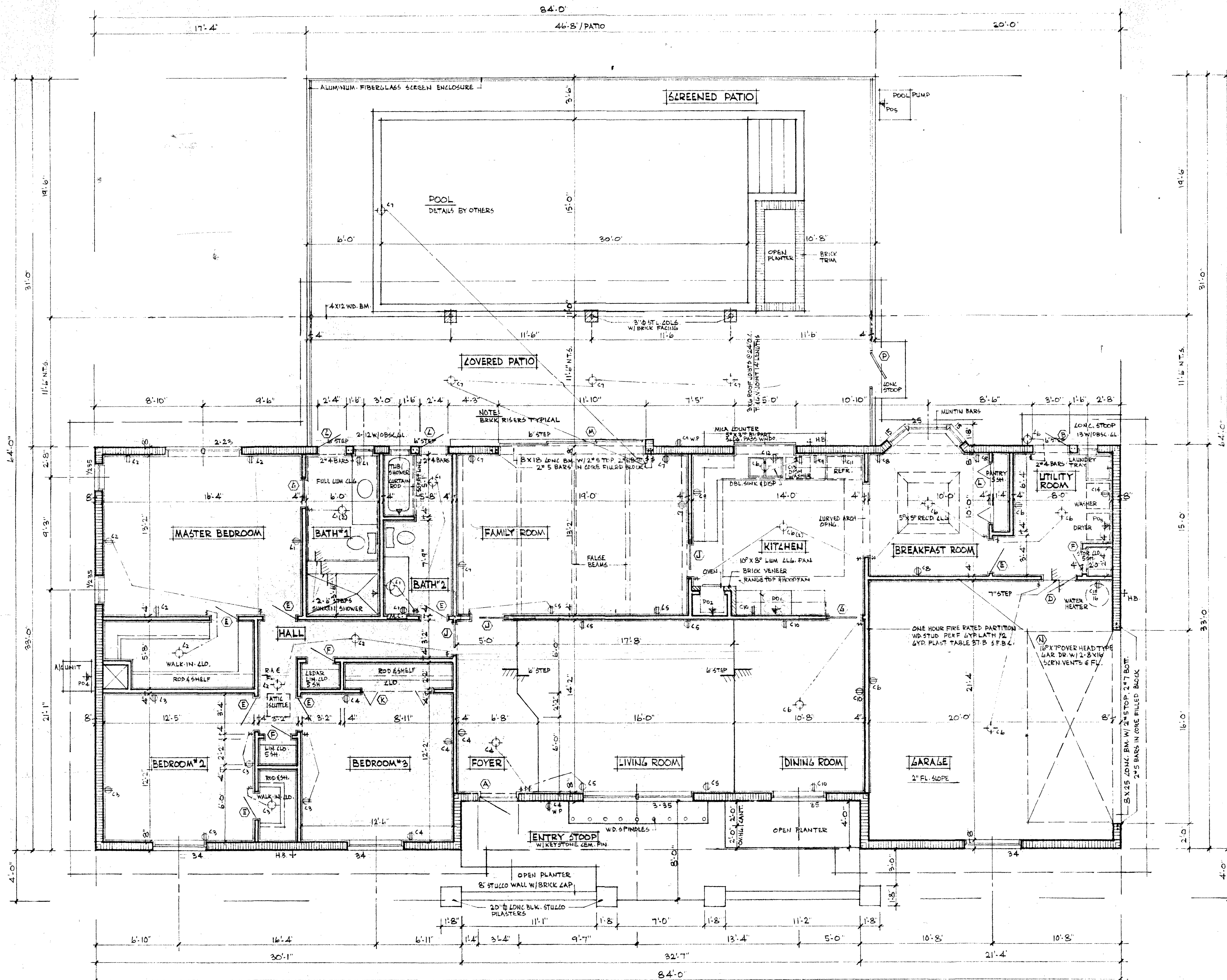
g. COORDINATE FINISH WITH ARCHITECT/OWNER



ADDITION & RESTORATION FOR:
**MAZZINI & MELINE
RESIDENCE**
10300 SW 70TH AVE.
MIAMI, FL 33156

REVISIONS

CONSTRUCTION DOCUMENTS



FLOOR PLAN

1/4" = 1'-0"

ROOM FINISH SCHEDULE						
ROOM	FLOOR	BASE	WALL	CEILING	REMARKS	
FOYER	VINYL	WOOD	NONE	PLAST.	PLAST.	
LIVING ROOM	LEM.FIN			DO.		
DINING ROOM	DO.			DO.		
FAMILY ROOM	VINYL			WD.PAN.	* WD.PAN ALL WALLS	
KITCHEN	DO.			PLAST.	* 3/4" SM.FIN. PLAST.	
BREAKFAST ROOM	DO.				DO.	
UTILITY ROOM	DO.					
HALL	LEM.FIN					
MASTER BEDROOM	DO.					
BEDROOM #2	DO.					
BEDROOM #3	DO.					
CLOSETS	SAME	AS	ADJOINING	ROOM		
BATH #1	CER TILE	CER TILE	NONE	PLAST.	* 3/4" SM.FIN. PLAST.	
BATH #2	DO.	DO.	DO.	DO.	DO.	
GARAGE	CONC.	NONE	DO.	DO.		
COVERED PATIO	REVISION 25% FIN.	DO.	DO.	STUCCO	EXP'D.	
SCREENED PATIO	DO.	ALUMINUM - FIBERGLASS	SCREEN	ENCLOSURE		

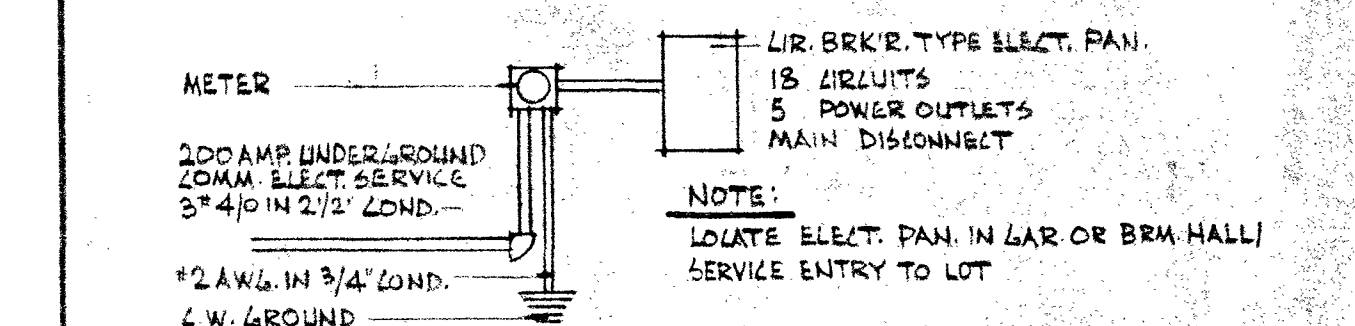
NOTE: MARBLE WINDOW SILL TYPICAL

DOOR SCHEDULE				
MARK	SIZE	TYPE	CORE	REMARKS
A	3'0" X 6'8" X 1 3/4"	PANEL	SOLID	EXTR. M.T. & W.S.
B	2'8" X 6'8" X 1 3/4"	FLUSH	HOLLOW	EXTR.
L	2'8" X 6'8" X 1 3/4"	DO.	DO.	EXTR.
D	2'8" X 6'8" X 1 3/8"	DO.	DO.	MET. CLAD GAR. SIDE W/ AUTOMATIC CLOSER
E	2'8" X 6'8" X 1 3/8"	DO.	DO.	
F	2'8" X 6'8" X 1 3/8"	DO.	DO.	
G	2'8" X 6'8" X 1 3/8"	DO.	DO.	SLD. POCKET
H	NOT USED			
J	2'8" X 6'8" X 1 3/8"	LOUVER	SOLID	DO. FULL LOUVER
K	6'0" X 6'8" OPHG.	DO.	DO.	BI-FOLD DO.
L	5'0" X 6'8" OPHG.	DO.	DO.	DO. DO.
M	11'0" X 6'8" OPHG.	3-DR. 3-TRACK ALUM. 44" SLDG. DRS. W/ RELESS		
N	10'0" X 7'0" OPHG.	OVERHEAD TYPE GARAGE DOOR		
P	2'8" X 6'8" OPHG.	ALUMINUM - FIBERGLASS SCREEN DOOR		

ELECTRICAL SCHEDULE						
LIR.	DESCRIPTION	Φ	WIRE	COND.	POLE	TRIP LOAD
L1	GENERAL	3	4	*14	1/2"	15.0 3.0
L2	DO.	4	3			3.0
L3	DO.	5	1			3.0
L4	DO.	5	2			3.0
L5	DO.	6	0			3.0
L6	DO.	2	8			3.0
L7	DO.	4	4	*14		15.0 3.0
L8	SMALL APPLIANCE	3		*12		20.0 4.5
L9	DO.	3				4.5
L10	DO.	4				4.5
L11	REFRIGERATOR	1				3.0
L12	DISPOSAL	1				3.0
L13	DISH WASHER	1				4.5
L14	WASHER	1		*12	1/2"	20.0 4.5
L15	WATER HEATER	1		*10	3/4"	30.0 15.0
L16	SPARE					15.0 6.0

PO1	RANGE	1		3/4"	1"	2	50.0	33.0*
PO2	OVEN	1		3/4"	1"	2	40.0	
PO3	DRYER	1		3/4"	3/4"	2	40.0	22.5*
PO4	AJ UNIT	1		3/8"	3/4"	2	40TDF	27.0*
PO5	POOL PUMP	1		*12	1/2"	2	20.0	6.9*

50 + (20.5 X 80%) DEMAND FACTOR = 66.4 70.5
 89.4" X NO DEMAND FACTOR = 89.4
 TOTAL ADJUSTED LOAD = 155.8 AMPS.



ELECTRICAL DIAGRAM

NOTE: ALL SHEETS MUST BE REVIEWED

MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

Herbert S. Saffir Permitting and Inspection Center

11805 SW 26th Street (Coral Way) • Miami, Florida 33175-2474 • (786) 315-2000

APPLICATION FOR MUNICIPAL PERMIT APPLICANTS THAT REQUIRE PLAN REVIEW FROM MIAMI-DADE FIRE RESCUE AND/OR ENVIRONMENTAL SERVICES

PROVIDE MUNICIPAL PROCESS NUMBER HERE BL2023-1183			
LOCATION OF IMPROVEMENTS	Job Address <u>10300 SW 70TH AVE</u> Folio <u>20-5002-043-0100</u> Lot <u>10</u> Block <u>4</u> Subdivision <u>THIRD ADDN TO KENDALL EAST PBpg 90-49</u> Metes and bounds <u>12323-1102 1184 4</u>		CONTRACTOR INFORMATION Contractor No. _____ Last four (4) digits of Qualifier No. _____ Contractor Name _____ Qualifier Name _____ Address _____ City _____ State _____ Zip _____
TYPE OF IMPROVEMENTS	☐ New Construction on Vacant Land ☒ Alteration Interior ☐ Alteration Exterior ☐ Relocation of Structure ☐ Enclosure ☐ Repair ☐ Repair Due to Fire ☐ Demolish ☐ Shell Only ☒ Addition Attached ☐ Addition Detached ☐ Re-Roof ☐ Foundation Only ☐ Tent		Current use of property <u>RESIDENTIAL</u> <u>SINGLE FAMILY</u> Description of Work <u>1100 sf Int. Renovation</u> <u>228sf addition</u> Sq. Ft. <u>1,328</u> Units <u>1</u> Floors <u>1</u> Value of Work <u>150,000</u>
PERMIT TYPE	☒ MBLD* Category <u>2</u> ☐ MELE ☐ MPLU ☐ MLPG ☐ MMEC ☐ FIRE	REVIEW STATUS ☐ Chg. Contractor ☐ Re-Issue ☐ Re-Stamp ☐ Revision ☐ Not Applicable for Fire	OWNER'S NAME Owner <u>VANESSA MELINE & JUAN MAZZINI</u> Address <u>10300 SW 70TH AVE</u> City <u>PINECREST</u> State <u>FL</u> Zip <u>33156</u> Phone <u>786.212.0919</u> Last four (4) digits of Owner's Social Security No. _____
PERSON TO PICK UP PLANS	Name <u>EDUARDO VERA</u> Address <u>2490 CORAL WAY STE. 301</u> City <u>MIAMI</u> State <u>FL</u> Zip <u>33145</u> Phone <u>305-400-8133</u>		ARCHITECT/ENGINEER Owner <u>EDGARDO J BETANCOURT</u> Address <u>2490 CORAL WAY STE. 301</u> City <u>MIAMI</u> State <u>FL</u> Zip <u>33145</u> Phone <u>305-400-8133</u>
FIRE SPECIAL REQUEST PLAN REVIEW (SRI)	I am requesting a Special Request Plan Review (SRI) to be scheduled as soon as possible. There is a minimum charge of one-hour. Please contact the Fire Department for current rate.		
	1 st Request: _____ Date: _____ 2 nd Request: _____ Date: _____ 3 rd Request: _____ Date: _____		
PERA OPTIONAL PLAN REVIEW (OPR)	I am requesting Optional Plan Review (OPR) to be scheduled as soon as possible at the rate of \$75 for each discipline. Additional review fees may apply.		
	1 st Request: _____ Date: _____ 2 nd Request: _____ Date: _____ 3 rd Request: _____ Date: _____		

BUILDING PERMIT CATEGORIES

CATEGORY	DESCRIPTION	PERMIT TYPE
BUILDING		
01	GENERAL BUILDING—COMMERCIAL	MBLD
02	SUB—GENERAL BUILDING—RESIDENTIAL	MBLD
08	CANVAS AWNING	MBLD
10	COMMUNICATION TOWER	MBLD
15	DEMOLITION	MBLD
29	METAL AWNING & STORM SHUTTER	MBLD
48	SCREEN ENCLOSURES	MBLD
51	MURAL SIGNS (NON-ELECTRICAL)	MBLD
55	SWIMMING POOL	MBLD
56	TENNIS COURTS (SURFACE PAVING)	MBLD
86	TRAILER TIE DOWN	MBLD
88	WALK-IN COOLER	MBLD
91	MARINAS	MBLD
92	LOW SLOPE APPLICATIONS (GRAVEL, SMOOTH MODIFIED, SINGLE PLY)	MBLD
95	SHINGLES (ASPHALT, FIBERGLASS)	MBLD
96	SHINGLES (METAL ROOFS/WOOD SHINGLES & SHAKE)	MBLD
97	STAGE 2 VAPOR RECOVERY SYSTEM	MBLD
99	SOIL IMPROVEMENT	MBLD
0100	BULK STORAGE PROPANE TANK	MBLD
0101	REMOVABLE STORM PANELS	MBLD
0107	TILE ROOF	MBLD
0110	WATER MAIN	MBLD
0111	SITE PLAN	MBLD
0112	INDOOR EVENT/EXHIBIT	MBLD
ELECTRICAL		
04	FIRE ALARM SPECIALTY	MELE
16	SPECIALTY WIRING	MELE
38	GENERATORS	MELE
PLUMBING		
0020	SEWER CONNECTION TO PUBLIC SYSTEM (THIS CATEGORY IS USED WHEN NO BUILDING PERMIT EXIST)	MPLU
0024	INTERCEPTOR/GREASE TRAPS (REPLACEMENT OR INSTALLATION THAT IS NOT PART OF A BUILDING PERMIT)	MPLU
LPGX		
01	LIQUEFIED PETROLEUM GAS	MLPG
02	MISCELLANEOUS	MLPG
04	LIQUEFIED PETROL. GAS/STATE	MLPG
MECHANICAL		
09	ABOVE/BELOW GROUND TANKS/PUMPS & POLLUTANT STORAGE SYSTEM	MMEC
38	COMMERCIAL HOODS	MMEC
43	FIRE CHEMICAL	MMEC
46	SPRAY BOOTHS	MMEC
48	SMOKE CONTROL	MMEC
52	RESIDENTIAL ELEVATOR	MMEC
FIRE		
32	FIRE SPRINKLER	FIRE

March 18, 2024

RE: 10300 SW 70TH AVE

Process #: M2024008996

IMPACT FEES

COMMENT 1: SHEET A-1.01 LISTS PROPOSED SQUARE FOOTAGE 3440 SF AND 4303 SF, PLEASE CLARIFY..

Response 1: See updated zoning chart and coordinated building coverage (3,430 SF)

DEPARTMENT OF HEALTH

COMMENT 1: DISCREPENCY BETWEEN PROPERTY APPRAISER AND DEMOLITION FLOOR PLAN ON NUMBER OF BEDROO 3 VS 4 BEDS SUBMIT MICROFILM RECORDS SHOWING APPROVAL OF 4 BEDROOMS EXISTING MODIFICATION MAY BE REQUIRED

Response 1: Utility room was mislabeled as bedroom. Existing/Demo sheet D-1.00 has been corrected show utility room correctly labeled. Original floor plan has also been submitted for reference.

COMMENT 2: ADDITIONALLY SHOW DRAINFIELD SIZES AND SETBACKS ON SITE PLAN AS IT APPEARS TO HAVE FOUNDATIONAL STRUCTURES ABUTTING THE SYSTEM

--Application for existing system DEP 4015 Pg 1. Shall be completed in full, signed by the owner, authorized agent, or FS 489 contractor. 62-6.004(2)WriteThe scope of work on the application. (On the Bottom of the page) SCOPE OF WORK: (IS WHAT YOU ARE DOING TO YOUR PROPERTY, IN DETAILS)

Response 2: See requested site plan information on Sheet A-1.01. See attached requested form submitted.

COMMENT 3: RE-submit corrected site plan showing entire septic system (septic tank, drainfield and reserved area) and your scope of work. THE SITE PLAN Must show all septic system Setbacks from building foundation, property line and water line. DRAWN TO SCALE.

Response 3: See requested site plan information on Sheet A-1.01.

DERM Paving & Drainage

COMMENT 1: Provide a grading plan that includes existing/proposed grade elevations within the parcel and adjacent parcels in order to demonstrate that stormwater is retained on-site and not overflowing to adjacent properties. The site/grading must include cross-sections demonstrating the proposed grade transition with the adjacent properties. Provide swales, dry retention areas, or drainage if necessary, and show that the parcel is sloping inward.

Response 1: See added spot elevations throughout site as per the submitted survey.

Thank you for your prompt review and attention. Please do not hesitate to call if you have any other concerns or questions.

Regards,



Edgardo J Betancourt Santiago, RA

Co-Founder

ARKO Architecture, LLC

10300 SW 70th Ave Residence Addition

2490 Coral Way, Ste. 301

ARKO ARCHITECTURE, LLC

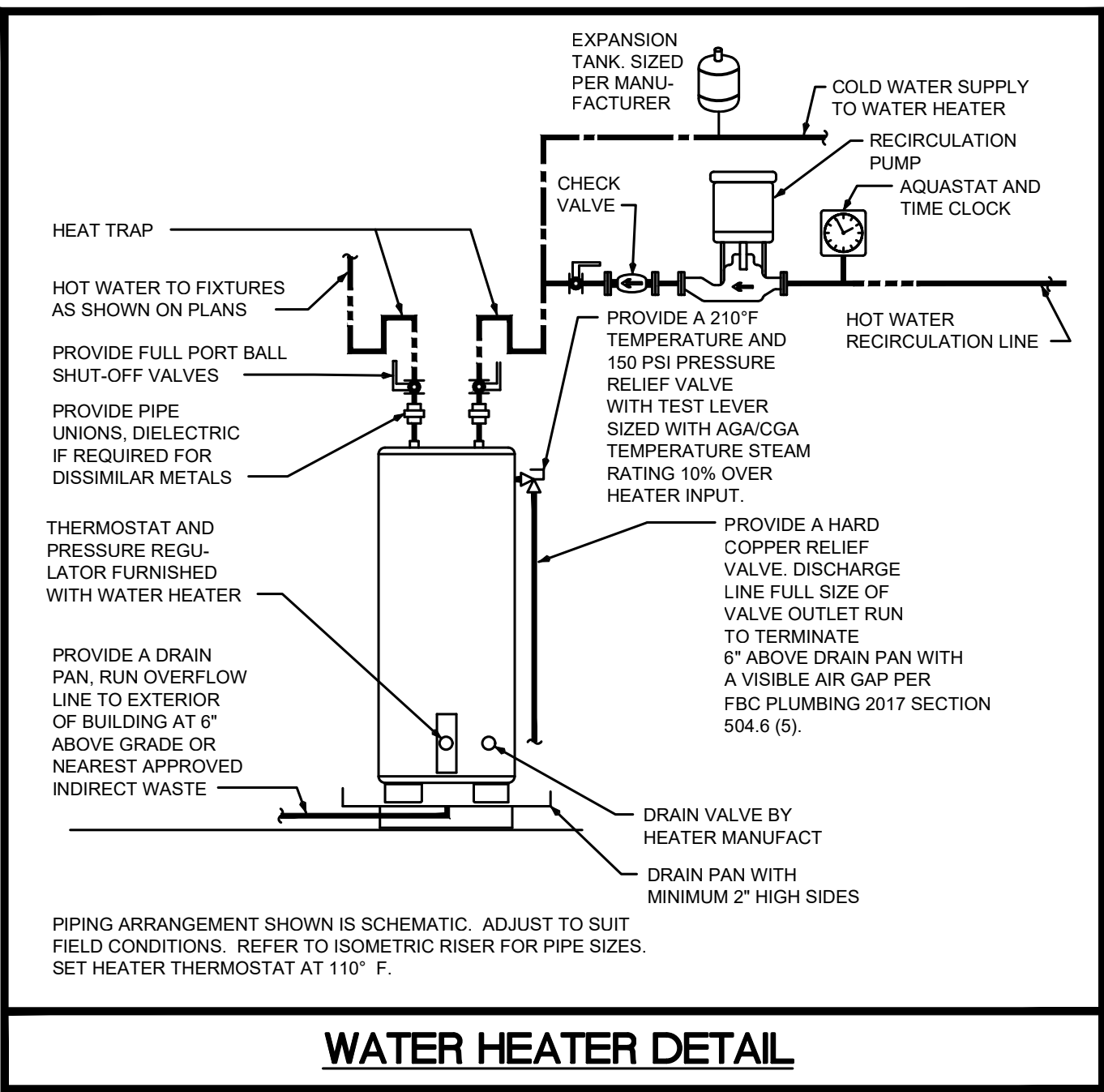
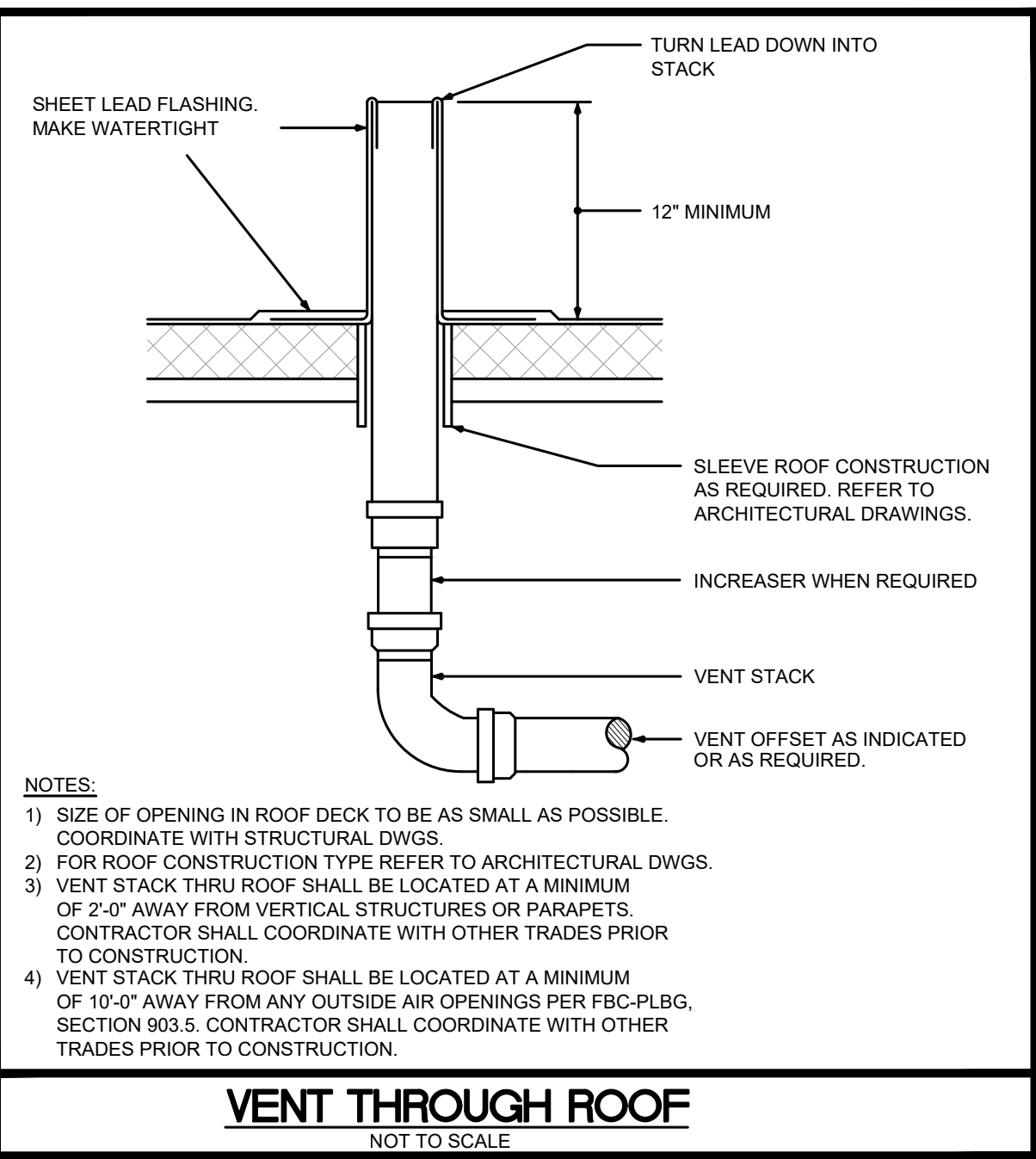
305-951-6181 / 954-617-1447

eduardo@thearkogroup.com

eduardo@thearkogroup.com

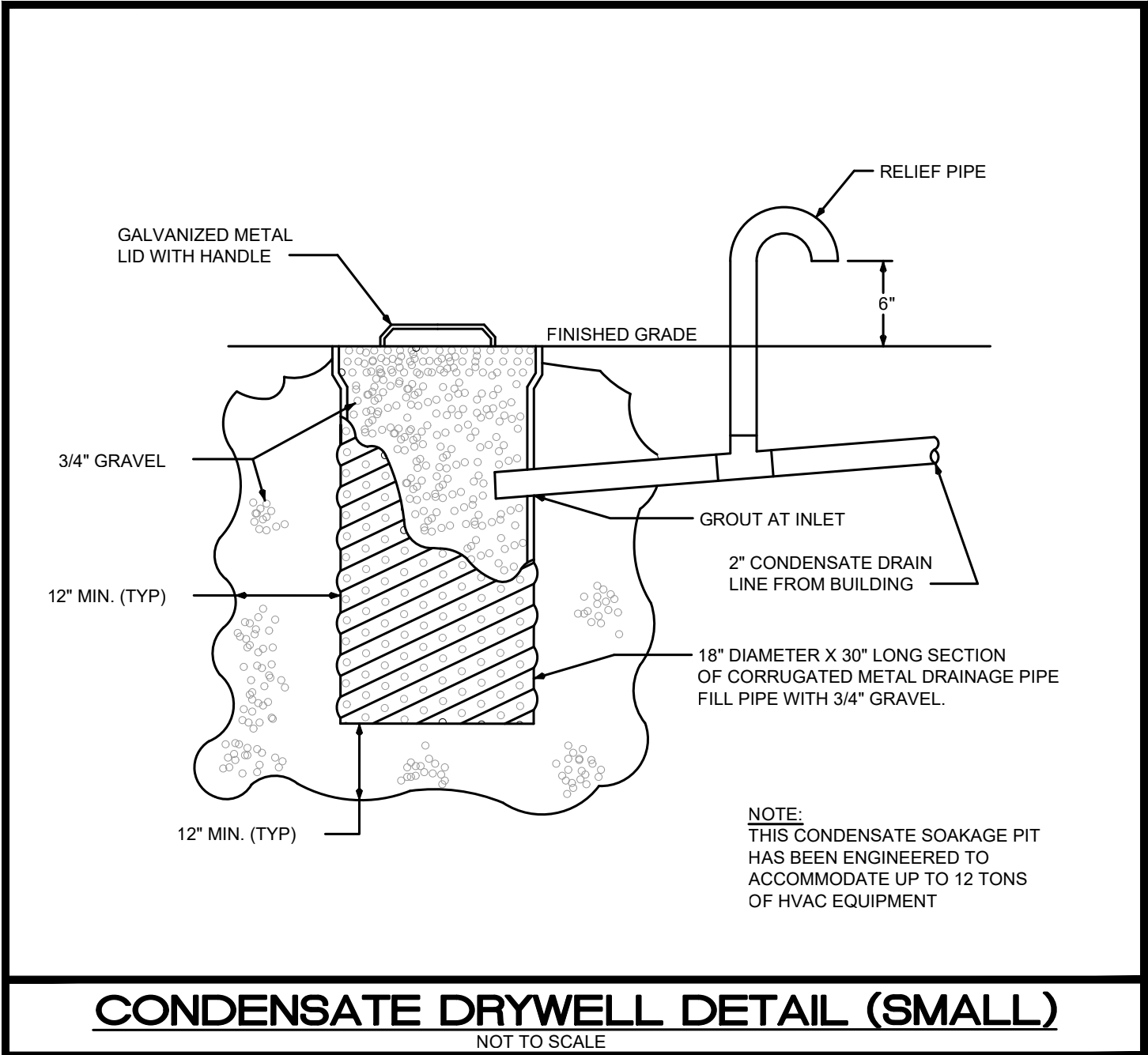
ARCHITECT HEREBY EXPRESSLY RESERVES THE COPYRIGHT AND PROPERTY RIGHTS IN THESE PLANS. DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING WRITTEN PERMISSION AND CONSENT. NO PART OF THESE PLANS IS TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Miami Dade County Department of Regulatory and Economic Resources - Job Copy
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P1.pdf



TYPICAL PLUMBING FIXTURE CONNECTION SCHEDULE						
TYPE	SOIL / WASTE	VENT	TRAP	CW	HW	REMARKS
2" HUB DRAIN	2"	2"	2"	-	-	PROVIDE 1/2" CW TRAP PRIMER CONNECTION.
3" HUB DRAIN	3"	2"	3"	-	-	PROVIDE 1/2" CW TRAP PRIMER CONNECTION.
COFFEE MAKER/WATER FILTER	-	-	-	1/2"	-	PROVIDE WITH VACUUM BREAKER.
DISHWASHER (RESIDENTIAL TYPE)	1"	-	-	-	1/2"	CONNECT WASTE TO KITCHEN SINK TAILPIECE. PROVIDE WITH VACUUM BREAKER.
ELECTRIC WATER COOLER	2"	2"	1 1/4"	1/2"	-	-
OUTLET BOX	-	-	-	1/2"	-	PROVIDE w/ INTEGRAL WATER HAMMER ARRESTOR.
WASHING MACHINE OUTLET BOX	3"	2"	2"	1/2"	1/2"	PROVIDE w/ INTEGRAL WATER HAMMER ARRESTORS.
SINK	2"	2"	1 1/2"	1/2"	-	1.0 GPM AT 60 PSI MAXIMUM.
MOP SINK	3"	2"	3"	1/2"	1/2"	PROVIDE HOSE THREAD FAUCET WITH INTEGRAL VACUUM BREAKER.
LAVATORY (PUBLIC)	2"	2"	1 1/4"	1/2"	1/2"	0.5 GPM AT 60 PSI MAXIMUM. (0.25 GALLON METERING CYCLE)
REFRIGERATOR	-	-	-	1/2"	-	PROVIDE WITH VACUUM BREAKER.
WATER CLOSET (FLUSH VALVE)	3" OR 4"	2"	INTEGRAL	1"	-	1.28 GALLONS PER FLUSHING CYCLE MAXIMUM.
WATER CLOSET (FLUSH TANK)	3" OR 4"	2"	INTEGRAL	1/2"	-	1.28 GALLONS PER FLUSHING CYCLE MAXIMUM.
URINAL	2"	2"	INTEGRAL	3/4"	-	0.128 GALLONS PER FLUSHING CYCLE MAXIMUM.

NOTE: PLUMBING FIXTURE CONNECTION SCHEDULE IS SHOWN FOR CONVENIENCE ONLY. PLUMBING CONTRACTOR TO CONFIRM FINAL PLUMBING FIXTURE CONNECTION SIZES WITH PLUMBING FIXTURE MANUFACTURER'S REQUIREMENTS. ALL FIXTURES SHALL COMPLY WITH REQUIREMENTS OF LOCAL WATER-USE EFFICIENCY ORDINANCES.



SHOCK ARRESTOR SCHEDULE			
P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIOUX CHIEF 652-A	1-11	1/2"
B	SIOUX CHIEF 653-B	12-32	3/4"
C	SIOUX CHIEF 654-C	33-60	1"

SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.

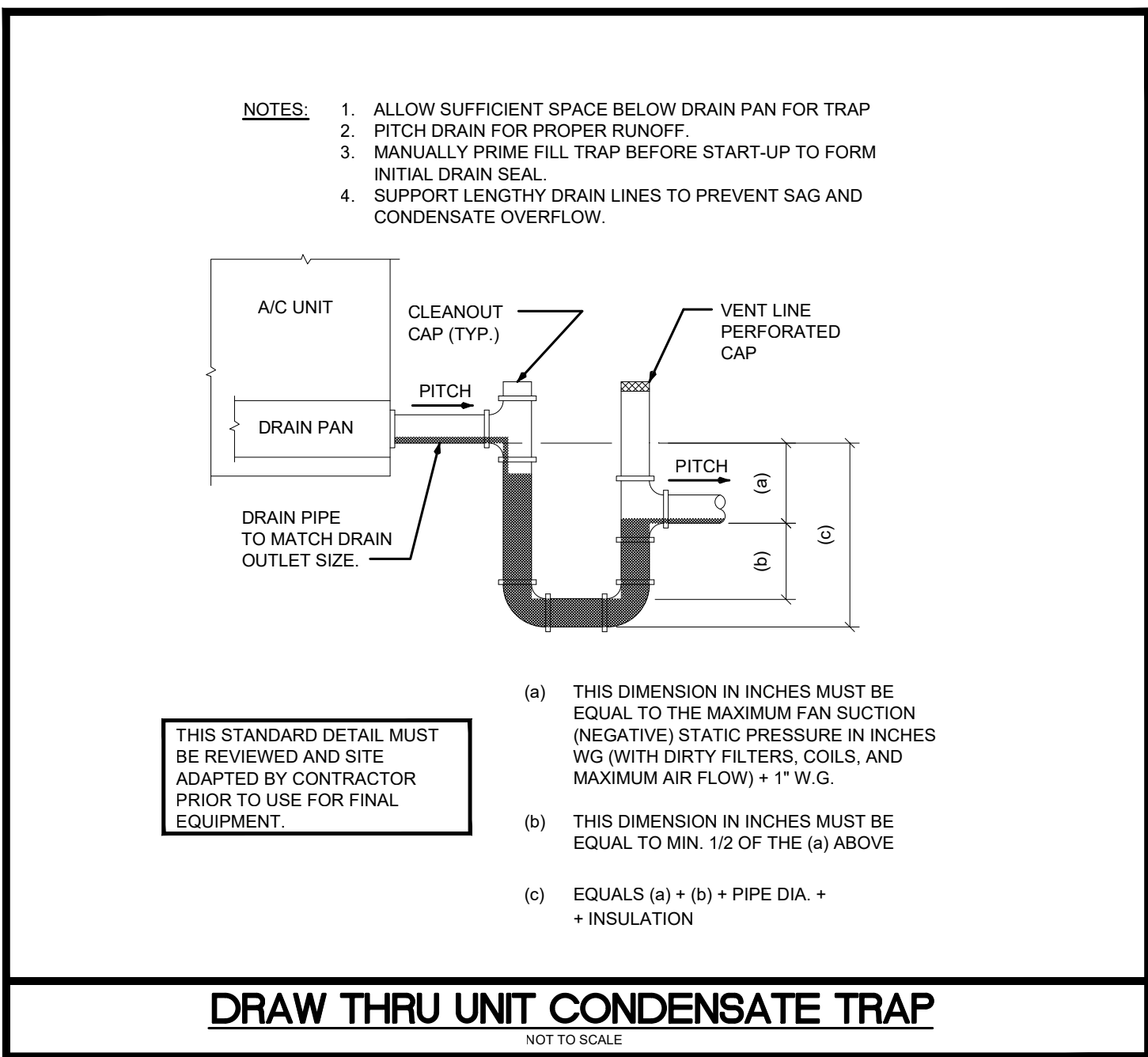
SLOPE OF HORIZ. DRAINAGE PIPE	
SIZE (inches)	MINIMUM SLOPE (inch per foot)
2-1/2 or less	1/4
3 to 6	1/8
8 or larger	1/16

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2017

PLUMBING FIXTURE SCHEDULE	
LAV	LAVATORY. SELECTED BY OWNER. PROVIDED AND INSTALLED BY CONTRACTOR
WC	WATER CLOSET. SELECTED BY OWNER. PROVIDED AND INSTALLED BY CONTRACTOR
SH	SHOWER. SELECTED BY OWNER. PROVIDED AND INSTALLED BY CONTRACTOR
TUB	TUB. SELECTED BY OWNER. PROVIDED AND INSTALLED BY CONTRACTOR
SK#	SINK. SELECTED BY OWNER. PROVIDED AND INSTALLED BY CONTRACTOR
OB1	WASHING MACHINE OUTLET BOX. GUY GRAY MODEL #B200 WITH LEAD-FREE QUARTER-TURN VALVES, INTEGRAL WATER-HAMMER ARRESTORS, AND 2" DRAIN CONNECTION.
WCO	WALL CLEANOUT, MIFAB C1430-RD WITH BRONZE PLUG, STAINLESS STEEL COVER, AND SCREW.
A.A.V.	OATEY MODEL #39010 SUREVENT AAV WALL BOX AND METAL GRILLE FACEPLATE
EW#1	ELECTRIC WATER HEATER, BRADFORD WHITE MODEL #R2H50T10, 50 GAL., 240V/1PH/4.5KW. SET UNIT ON A STAND AND PROVIDE WITH RECIRCULATION PUMP - BELL & GOSSETT MODEL #PL-30B AND THERMAL EXPANSION TANK - AMTROL MODEL #ST-12.
WCO	WALL CLEANOUT, MIFAB C1430-RD WITH BRONZE PLUG, STAINLESS STEEL COVER, AND SCREW.

GENERAL NOTES:
(1) - FIXTURES SHALL BE AS SHOWN OR EQUAL.
(2) - ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF FBC 2014.
(3) - ALL FIXTURE TRIM PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUT COVER PLATES SHALL BE OF THE SAME FINISH AS THE ABOVE SPECIFIED FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE
(4) - ALL FIXTURES SHALL BE ROUGHED IN PER MANUFACTURER CUT SHEET TO MAINTAIN UNIFORMITY.

PLUMBING LEGEND		
CO	CLEAN OUT	 SANITARY SEWER PIPING
S.O.V.	SHUT-OFF VALVE	 VENT PIPING
COTC	CLEAN OUT TO GRADE	 DOMESTIC COLD WATER PIPING
FD	FLOOR DRAIN	 HOT WATER PIPING (110°)
CW	DOMESTIC COLD WATER	 CD CONDENSATE PIPING
HW	DOMESTIC HOT WATER	 T&P TEMPERATURE AND PRESSURE RELIEF
HWR	DOMESTIC HOT WATER RECIRCULATING	 PIPE RISE UP
HB	HOSE BIBB	 PIPE DOWN OR DROP
VTR	VENT THRU ROOF	 CAPPED END OF PIPE
	GATE VALVE	 POINT OF CONNECTION
	GLOBE VALVE	 P-TRAP
	CHECK VALVE	
	WATER HAMMER ARRESTER (PDI No.)	
	FLOOR DRAIN	

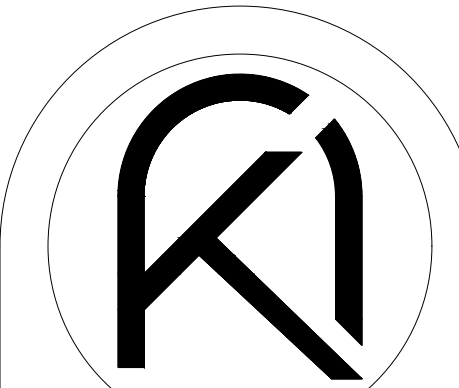


CONDENSATE DRAIN PIPE SIZING	
EQUIPMENT CAPABILITY	MINIMUM CONDENSATE PIPE DIAMETER (inch)
UP TO 20 TONS OF REFRIGERATION	1"
OVER 21 TONS TO 40 TONS OF REFRIGERATION	1-1/4"
OVER 41 TONS TO 60 TONS OF REFRIGERATION	1-1/2"
OVER 61 TONS TO 100 TONS OF REFRIGERATION	2"
OVER 101 TONS TO 250 TONS OF REFRIGERATION	3"
OVER 251 TONS & LARGER OF REFRIGERATION	4"

TABLE 307.2.2 OF THE 2017 FLORIDA BUILDING CODE-MECHANICAL

PLUMBING SHEET INDEX	
SHEET#	DESCRIPTION
P1	PLUMBING NOTES, LEGENDS, AND DETAILS
P2	EXISTING PLUMBING PLAN
P3	SANITARY PLAN
P4	DOMESTIC WATER PLAN
P5	SANITARY ISOMETRICS AND CALCULATIONS

PLUMBING NOTES	
1.	THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SCOPE OF WORK. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, APPLICABLE LOCAL CODES, RULES, AND ORDINANCES.
2.	THE PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS.
3.	ALL MATERIALS SHALL BE NEW AND OF GOOD QUALITY.
4.	ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY-OPERATIONAL. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
5.	REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
6.	PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTS. PLUMBING CONTRACTOR SHALL OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
7.	CONTRACTOR SHALL SUBMIT TO ARCHITECT/ENGINEER, FOR REVIEW & APPROVAL, FIVE (5) SETS OF MANUFACTURER'S CUT SHEETS FOR EACH FIXTURE, PIPING/FITTING MATERIAL AND EQUIPMENT ITEM WITH ASSOCIATED CONTROLS, THAT ARE INCLUDED IN THE CONTRACT.
8.	DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
9.	ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ARCHITECT/ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
10.	VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERT ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
11.	WATER DISTRIBUTION PIPING ABOVE AND BELOW GROUND SHALL BE TYPE "L" COPPER. ALTERNATE PIPING & FITTING MATERIALS MAY BE USED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, TABLES 605.3, 605.4 & 605.5, WHEN APPROVED BY ENGINEER OF RECORD AND LOCAL AUTHORITY HAVING JURISDICTION. PROVIDE ALTERNATE FOR CPVC PIPING & FITTINGS EQUAL TO LUBRIZOL CORZAN OR FLOW-GUARD GOLD. PROVIDE ALTERNATE FOR PEX TYPE "A" PIPING & FITTINGS EQUAL TO UPONOR. ALTERNATES ARE PERTINENT FOR WATER SERVICES KNOWN OR DETERMINED TO HAVE ACIDIC CHARACTERISTICS OR OTHER PARTICULAR CIRCUMSTANCES AS DEEMED APPROPRIATE BY DIRECTIVE FROM THE OWNER. CONTRACTOR SHALL PERFORM A WATER TEST TO DETERMINE WATER CHEMISTRY PRIOR TO ANY WORK OR PIPING INSTALLATION AND SHALL SUBMIT TEST RESULTS TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. DISINFECTION OF POTABLE WATER SYSTEM SHALL COMPLY WITH FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, SECTION 610. ALL WATER PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE, SPECIFICALLY IN THE UNITED STATES OF AMERICA.
12.	SOIL, WASTE, VENT, AND RAINWATER (DWR) PIPING & FITTINGS SHALL BE CAST IRON OR PVC, WHERE CODE ALLOWS. PVC SHALL NOT BE USED IN PLENUMS. PVC PIPING SHALL BE SOLID-CORE ONLY. FOAM-CORE PIPING SHALL NOT BE ACCEPTED. CAST IRON PIPING & FITTINGS SHALL BEAR THE CISPI-301 MARK. ALL DWV PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE, SPECIFICALLY IN THE UNITED STATES OF AMERICA. ALL HORIZONTAL SANITARY PIPING RUN ABOVE FINISHED FLOOR THAT RECEIVES COLD DRAINAGE FROM REFRIGERATION EQUIPMENT SHALL BE INSULATED WITH ARMAFLEX AND A VAPOR-BARRIER JACKET.
13.	NATURAL & PROPANE FUEL GAS PIPING SHALL BE THE FOLLOWING: UNDERGROUND - PE PIPE COMPLYING WITH ASTM D2883 OR ASTM D3261 AND ASTM D2513, SDR 11 TRANSITION FITTINGS. ABOVEGROUND - SCHEDULE 40 BLACK STEEL COMPLYING WITH ASTM A53 AND THREADED, WELDED OR FLANGED FITTINGS. CORRUGATED STAINLESS STEEL TUBING COMPLYING WITH ANSI/AS LCI SHALL BE ALLOWED ONLY WITHIN INTERIOR ACCESSIBLE SPACES.
14.	COMPRESSED AIR PIPING SHALL BE ASTM B241 EXTRUDED ALUMINUM ALLOY COMPLIANT WITH ASME B31.1 OR GALVANIZED BLACK STEEL IN ACCORDANCE WITH DIN EN 10255. ALUMINUM PIPING AND MECHANICAL GROOVED-JOINT FITTINGS SHALL BE AIRNET, TRANSAIR, OR APPROVED EQUAL. STEEL PIPING AND MECHANICAL GROOVED-JOINT FITTINGS SHALL BE WIEGA MEGAPRESS OR APPROVED EQUAL.
15.	ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE ANGLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS (WHERE REQUIRED). COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
16.	PROVIDE APPROVED WATER HAMMER ARRESTORS FOR ALL (GROUP) PLUMBING FIXTURES, SIZED & LOCATED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS & PDI-WH201.
17.	PROVIDE DIELECTRIC COUPLINGS OR FLANGES BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
18.	ISOLATE COPPER PIPING FROM METALLIC HANGERS OR SUPPORTS WITH ISOLATOR PADS OR NON-CONDUCTIVE MATERIAL.
19.	ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING ANNULAR SPACE BETWEEN PIPING AND SLEEVES WITH INTUMESCENT CAULK, TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS, AS PART OF THE PLUMBING CONTRACTOR'S WORK.
20.	PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
21.	PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES. ACCESS PANELS IN RATED WALLS SHALL MAINTAIN THE SAME RATING AND SHALL MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.
22.	PROVIDE COMBINATION CLEANOUT PLUG AND COVER PLATE OR ACCESS PANEL FOR ALL WALL CLEANOUTS. FINISH TO MATCH NEARBY FIXTURE TRIM.
23.	NO COMBUSTIBLE MATERIAL SHALL BE INSTALLED IN MECHANICAL ROOMS NOR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
24.	NO WATER, SANITARY OR DRAINAGE PIPING SHALL BE INSTALLED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
25.	ALL CONTROL VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE DIAGRAM LOCATING ALL VALVES SHALL BE FURNISHED FOR OWNER/OPERATOR.
26.	CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET PER FLORIDA BUILDING CODE 7th EDITION (2020) - ENERGY CONSERVATION, TABLE C403.2.8. PVC WITHOUT INSULATION IS ACCEPTABLE FOR RISERS AND BELOW GRADE PIPING. WHEN USED IN A RETURN AIR PLENUM, CPVC PIPING WITH INSULATION IS ACCEPTABLE IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. CONDENSATE PIPING SHALL NOT DRAIN ONTO THE ROOFING SYSTEM NOR ANY OF ITS COMPONENTS. CONDENSATE PIPING ARRANGEMENT IS EXEMPT FROM MINIMUM EQUIPMENT CLEARANCE REQUIREMENTS PER FLORIDA BUILDING CODE 7th EDITION (2020), SECTION 1522.3.5. ALL HORIZONTAL RAINWATER PIPING RUN ABOVE FINISHED FLOOR THAT RECEIVES CONDENSATE DISCHARGE SHALL BE INSULATED WITH ARMAFLEX AND A VAPOR-BARRIER JACKET.
27.	HOT WATER PIPING INSULATION SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING, SECTION 607.5 & FLORIDA BUILDING CODE 7th EDITION (2020) - ENERGY CONSERVATION, TABLE C403.2.10. CONTRACTOR SHALL USE ARMAFLEX OR EQUAL WHERE APPLICABLE. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET, PER FLORIDA BUILDING CODE 7th EDITION (2020) - ENERGY CONSERVATION, TABLE C403.2.10.
28.	AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF WHERE ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.



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c: 305.951.6181

ADDITION & RESTORATION FOR:
**MAZZINI & MELINE
RESIDENCE**
10300 SW 70TH AVE.,
MIAMI, FL 33156

Digitally signed by
Edgardo J Betancourt
Santiago
Date: 2023.08.24
16:08:24 -04'00'



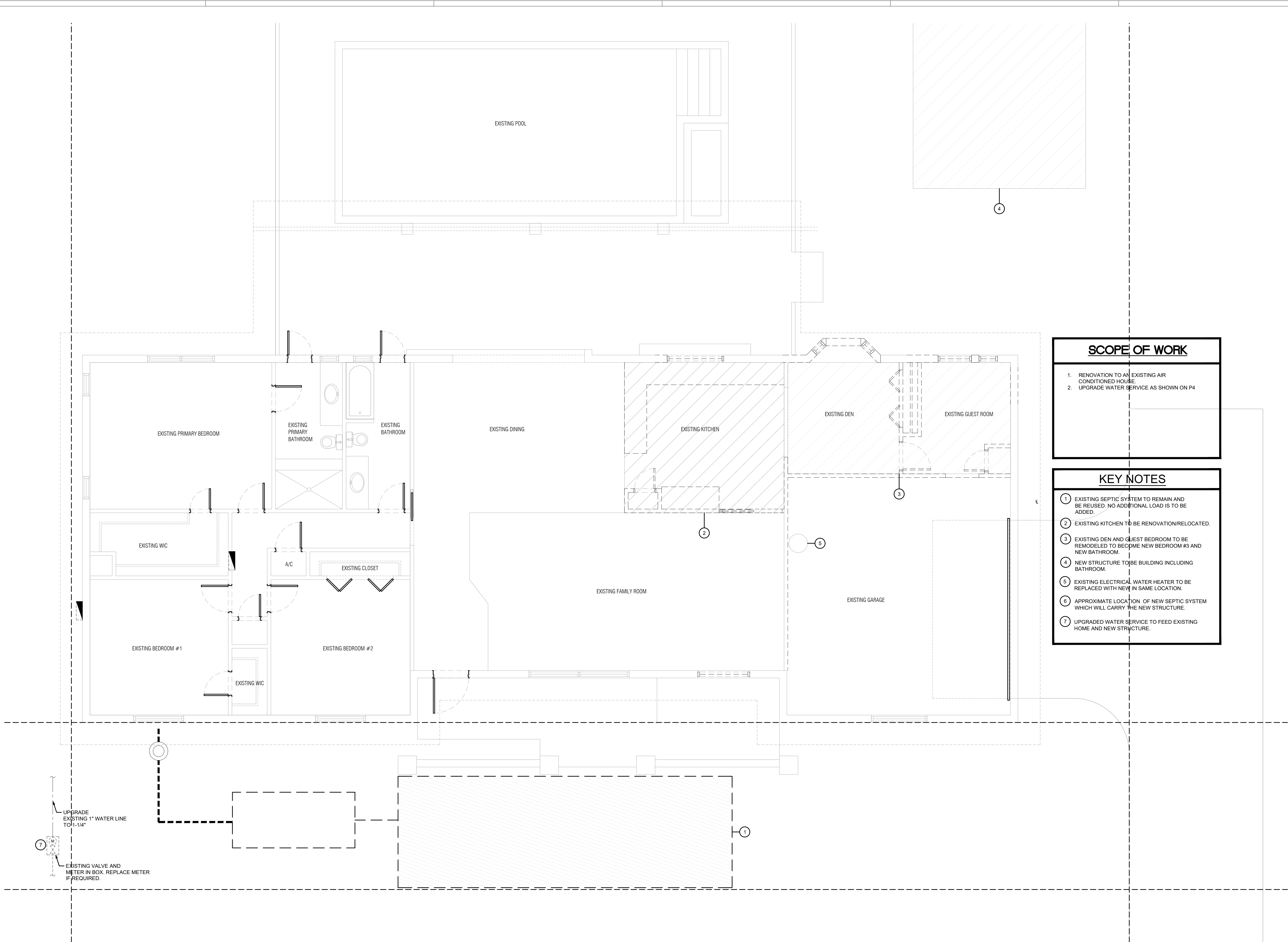
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DATE 04.03.23
PROJECT
CHECKED BY 22-84

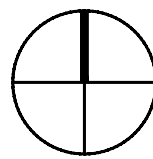
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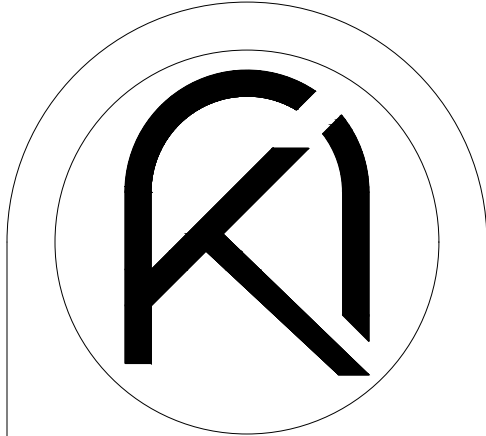
PLUMBING NOTES

CONSTRUCTION DOCUMENTS

P1



 **EXISTING PLUMBING PLAN**
SCALE: 1/8" = 1'-0"



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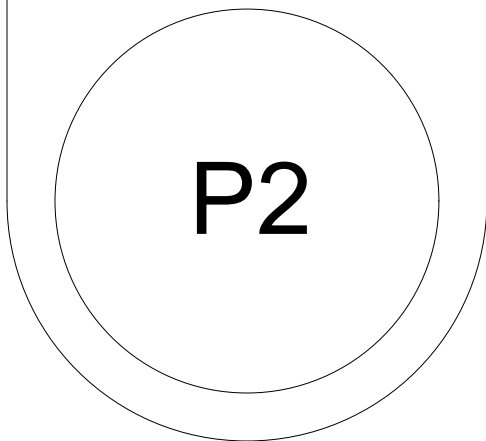


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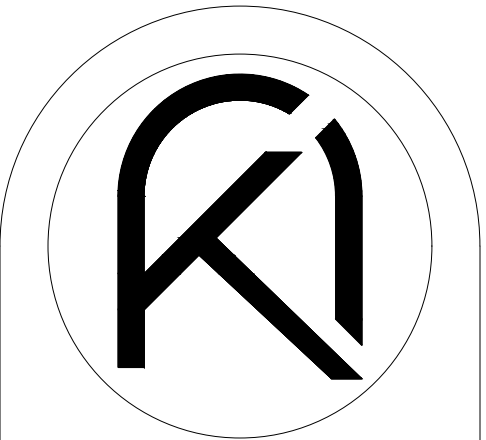
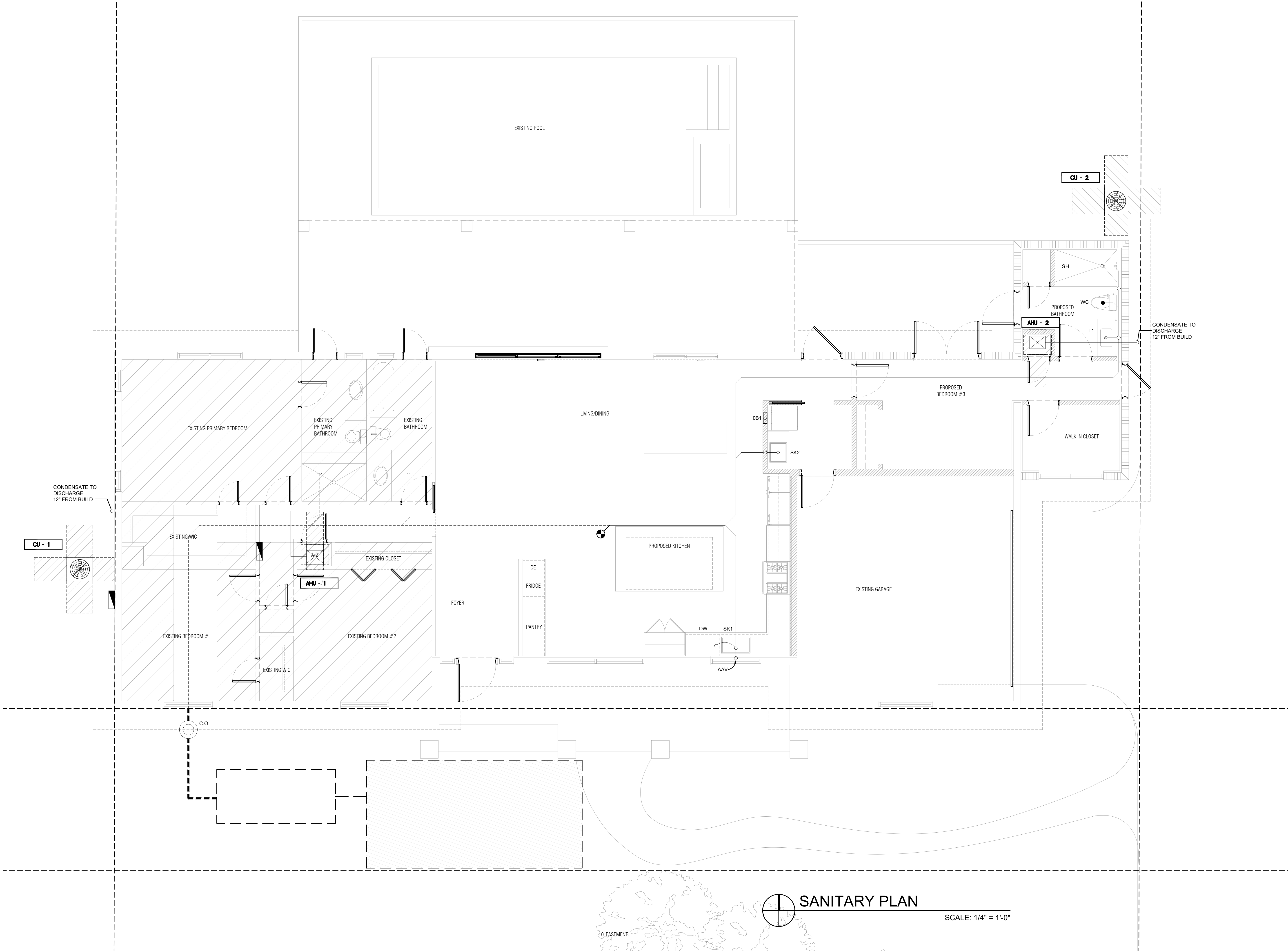
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**EXISTING
PLUMBING
PLAN**

CONSTRUCTION DOCUMENTS



P2



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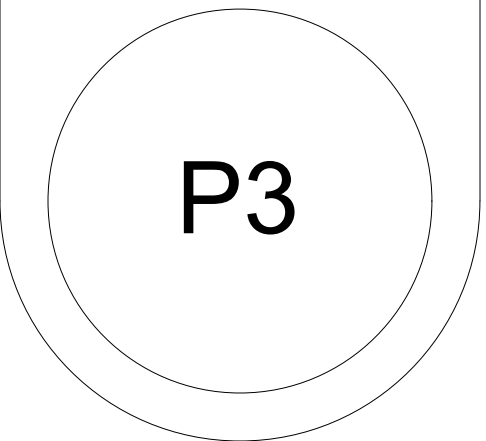


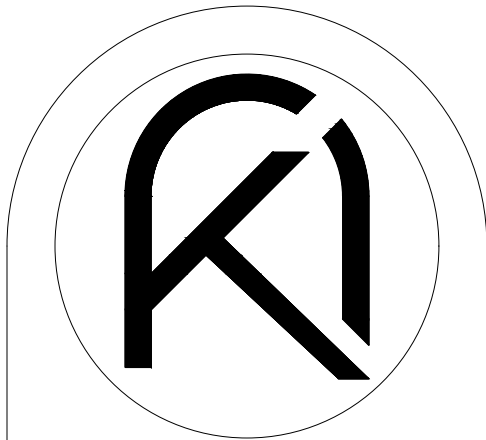
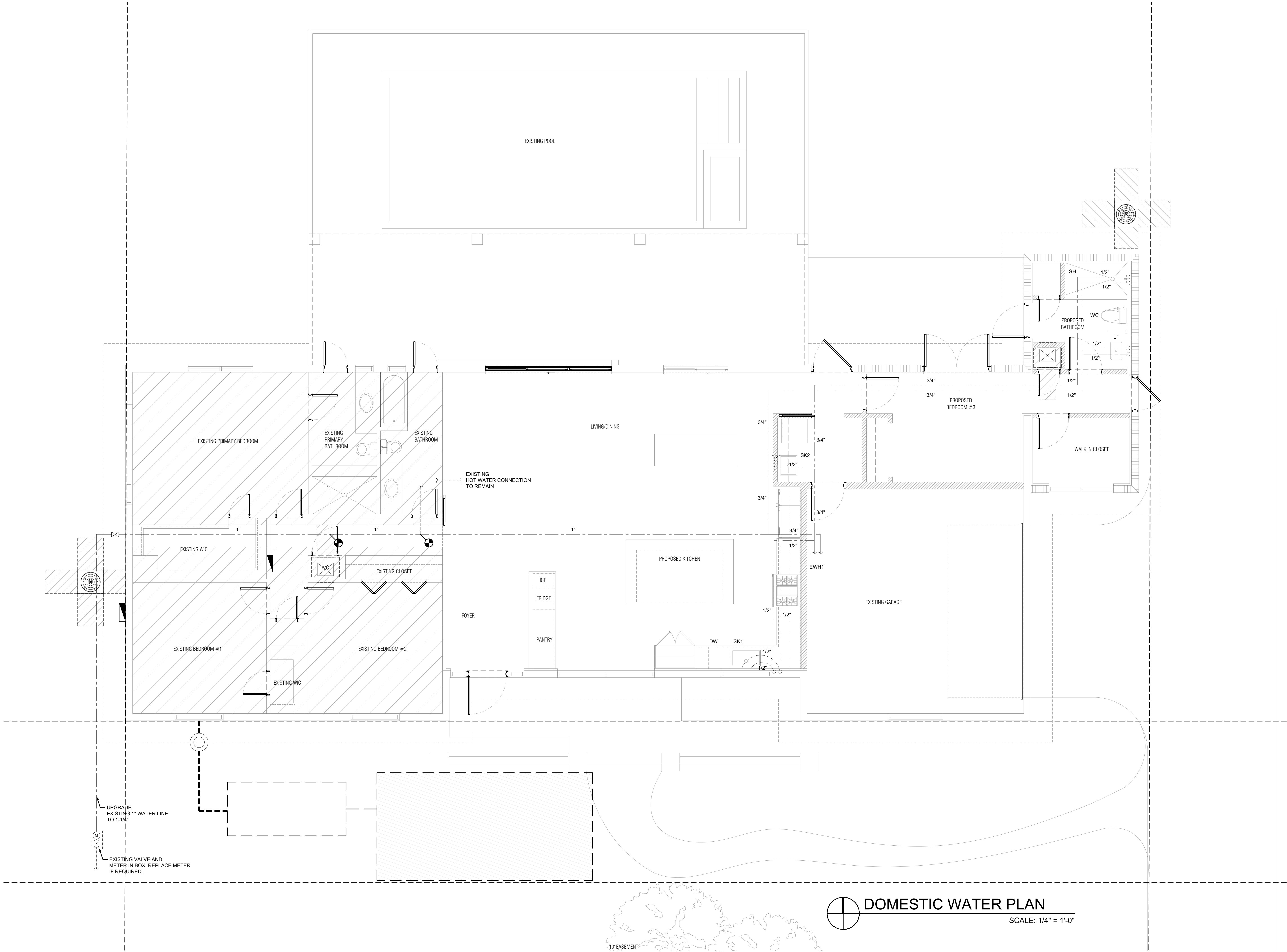
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SANITARY
PLAN

CONSTRUCTION DOCUMENTS





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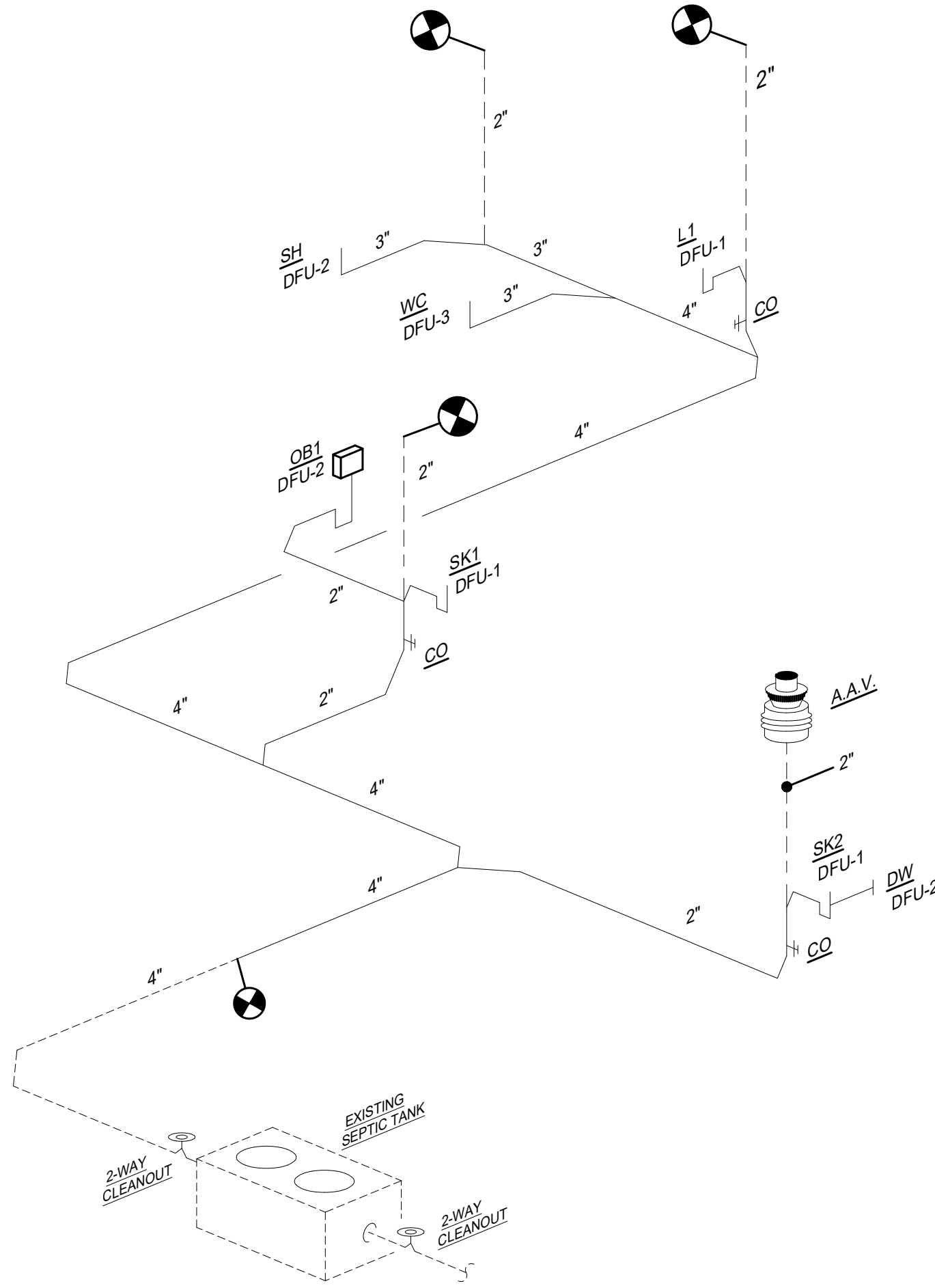
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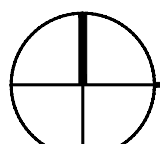
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DOMESTIC
WATER PLAN

CONSTRUCTION DOCUMENTS

P4

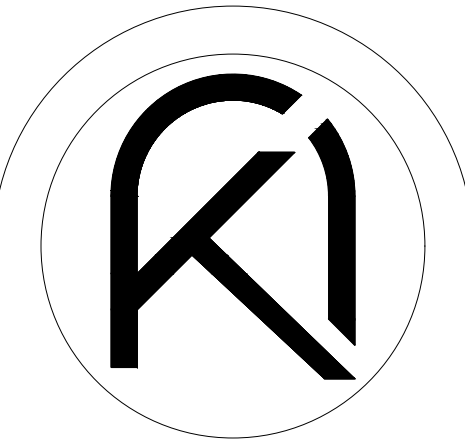


 **SANITARY ISOMETRIC (EXISTING HOUSE)**
SCALE: N.T.S.

Project Name:		Mazzini & Meline							
FIXTURE UNIT TABULATION				DOMESTIC WTR. S.F.U.'S			SANITARY F. U.		
FIXTURE	OCCUPANCY	SUPPLY CONTROL	NO. OF FIXTURES	FIXTURE UNIT VALUES			TOTAL F.U.	FIXTURE UNIT VALUES	TOTAL
				CW	HW	TOTAL			
Bathroom Group	Private	Flush tank	0	2.7	1.5	3.6	0	5	0
Bathroom Group	Private	Flush valve	0	6.0	3.0	8.0	0	5	0
Bathtub	Private	Faucet	1	1.0	1.0	1.4	1.4	2	2
Whirlpool	Private	Faucet	0	3.0	3.0	4.0	0	2	0
Bidet	Private	Faucet	0	1.5	1.5	2.0	0	2	0
Combination Fixture	Private	Faucet	0	2.3	2.3	3.0	0	2	0
Dishwashing Machine	Private	Automatic	0		2.8	1.4	0	2	0
Drinking Fountain	Office, etc.	3/8" valve	0	0.3		0.3	0	0.5	0
Kitchen Sink	Private	Faucet	2	1.8	1.0	1.4	2.8	2	4
Kitchen Sink	Hotel, restaurant	Faucet	0	3.0	3.0	4.0	0	2	0
Laundry trays (1 to 3)	Private	Faucet	0	1.0	1.0	1.4	0	2	0
Lavatory	Private	Faucet	3	0.8	0.5	0.7	2.1	1	3
Lavatory / Sink	Public	Faucet	0	1.5	1.5	2.0	0	1	0
Service Sink	Office, etc.	Faucet	0	2.3	2.3	3.0	0	2	0
Shower head	Public	Mixing Valve	0	3.0	3.0	4.0	0	2	0
Shower head	Private	Mixing Valve	2	2.5	1.0	1.4	2.8	2	4
Urinal	Public	1" flush valve	0	10.0		10.0	0	4	0
Urinal	Private	3/4" flush valve	0	5.0		5.0	0	2	0
Hose Bibb	Public	3/4" Valve	2	3.0		3.0	6	2	4
Washing machine (8 lbs.)	Private	Automatic	0	1.5	1.5	3.0	0	2	0
Washing machine (8 lbs.)	Public	Automatic	1	2.3	2.3	3.0	3	2	2
Washing machine (15 lbs.)	Public	Automatic	0	3.0	3.0	4.0	0	3	0
Water closet	Private	Flush valve	0	6.0		6.0	0	4	0
Water closet	Private	Flush tank	3	1.6		2.2	6.6	3	9
Water closet	Public	Flush valve	0	10.0		10.0	0	6	0
Water closet	Public	Flush tank	0	5.0		5.0	0	4	0
Water closet	Public or private	Flushometer tank	0	2.0		2.0	0	4	0
Floor Drain	-	-	0				0	2	0
FIXTURE UNIT TOTAL'S				CW SFUS 25	HW SFUS 9		TOTAL SFUS 25	TOTAL DRAINAGE FIXTURE UNITS	28
GPM TOTAL'S				CW GPM 21	HW GPM 13		TOTAL GPM 21	BUILDING SEWER SIZE	4"
WATER PIPE SIZES (8 FPS VELOCITY MAX.)				CW SIZE 1-1/4"	HW SIZE 1"		BLDG. SIZE 1-1/4"		

TABLE P2903.1 REQUIRED CAPACITIES AT POINT OF OUTLET DISCHARGE		
FIXTURE SUPPLY OUTLET SERVING	FLOW RATE (gpm)	FLOW PRESSURE (psi)
Bathtub, balanced-pressure, thermostatic or combination balanced-pressure/thermostatic mixing valve	4	20
Bidet, thermostatic mixing valve	2	20
Dishwasher	2.75	8
Laundry tray	4	8
Lavatory	0.8	8
Shower, balanced-pressure, thermostatic or combination balanced-pressure/thermostatic mixing valve	2.5 ^a	20
Silcock, hose bibb	5	8
Sink	1.75	8
Water closet, flushometer tank	1.6	20
Water closet, tank, close coupled	3	20
Water closet, tank, one-piece	6	20

For SI: 1 pound per square inch = 6.895 kPa, 1 gallon per minute = 3.785 L/m.



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REVISIONS

SANITARY
ISOMETRICS AND
CALCULATIONS

CONSTRUCTION DOCUMENTS

PERMITTING HOURS
8:00 AM TO 2:00 PM
MONDAY - FRIDAY

CONTACT INFORMATION

T: 305.234.2121 F: 305.234.2133
building@pincrest-fl.gov
INSPECTIONS: 305.234.2111
INSURANCE RENEWALS: renewals@pincrest-fl.gov



VILLAGE OF PINECREST

Building & Planning Department

12645 Pinecrest Parkway,
Pinecrest, Florida 33156

MASTER PERMIT # _____

SUB PERMIT # _____

INSTRUCTIONS

- STEP 1. APPLICATION WHICH MUST BE SIGNED BY THE PROPERTY OWNER & QUALIFIER; BOTH SIGNATURES MUST BE NOTARIZED. PERMITS/PLANS DROP OFF CLOSING @ 2:00 P.M.**
- STEP 2. SUBMIT THE COMPLETED APPLICATION WITH ALL NECESSARY DOCUMENTS TO THE BUILDING AND PLANNING DEPARTMENT FOR PROCESSING. REFER TO PERMIT CHECKLIST ONLINE AT:**
[HTTPS://WWW.PINECREST-FL.GOV/Government/Building/Apply-for-a-Permit/All-Permits.](https://www.pincrest-fl.gov/Government/Building/Apply-for-a-Permit/All-Permits)
- STEP 3. PROJECTS OVER \$2,500 REQUIRE RECORDED NOTICE OF COMMENCEMENT POSTED AT JOBSITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.**

APPLICATION

JOB ADDRESS: 10300 SW 70TH AVE **FOLIO #:** 20-5002-043-0100
DESCRIPTION OF WORK: 1,100 SF Reno int. kitchen & living & 228 SF addition **FLOOD ZONE:** X AH7 AE7 **(AE10)** AE11
VALUE OF WORK: \$ 150,000.00 **PROJECT SQ. FT.:** 1,328 SF **NO. OF FLOORS:** 1
CONTACT: EDUARDO VERA **EMAIL:** EDUARDO@THEARKOGROUP.COM **PHONE:** 305.400.8133

PERMIT TYPE	(✓)	PERMIT CHANGE	(✓)	IMPROVEMENT TYPE	(✓)	CATEGORY	(✓)
BUILDING	✓	REVISION		NEW CONSTRUCTION		COMMERCIAL	
ELECTRICAL		RENEWAL		ALTERATION	✓	RESIDENTIAL	
MECHANICAL		CHG OF CONTRACTOR	✓	ADDITION		APPRAISED BLDG. VALUE	
PLUMBING		CHG OF ARCH/EGR		DEMOLITION			
ZONING						\$	

PROPERTY OWNER

NAME	JUAN ALBERTO MAZZINI
	VANESA MELINE
ADDRESS	10300 SW 70TH AVE.
	PINECREST, FL 33156
PHONE	786.212.0919
EMAIL	VANESA.MELINE@HOTMAIL.COM

CONTRACTOR

COMPANY	
QUALIFIER	
ADDRESS	
LICENSE #	
PHONE	
EMAIL	

ARCHITECT

NAME	EDGARDO J BETANCOURT
LICENSE #	AR99726
PHONE	305.400.8133
EMAIL	EDGARDO@THEARKOGROUP.COM

ENGINEER

NAME	JOAQUIN MONTESINO
LICENSE #	69969
PHONE	786.294.0032
EMAIL	ERNESTO@G2CONSULTING.NET

OFFICE USE ONLY

☐ PERMIT CLERK REVIEW COMPLETE.

UPFRONT FEE AMOUNT PAID \$ _____ (if applicable)

FEES TYPE	AMOUNT	FEES TYPE	AMOUNT	SECTION	BY	DATE
SCAN FEE (\$3/Pg)		ZONING/PLANNING		ZONING/PLANNING		
BUILDING FEES		SOLID WASTE		ELECTRICAL		
STORMWATER REVIEW		MUNICIPAL		MECHANICAL		
MIAMI-DADE COUNTY		STORM DRAINAGE		PLUMBING		
FL DBR		IMPACT ADMIN		PUBLIC WORKS		
FL DCA		SIDEWALK		STRUCTURAL		
FINES		CONCURRENCY		STORMWATER		
CERT. OF OCCUPANCY		EXPEDITE- REWORK		BUILDING		
CONSTRUCTION SIGN		TOTAL DUE:		BUILDING OFFICIAL		

CONDITIONS OF APPROVAL☐ **CONDITION DESCRIPTION:****IMPORTANT NOTICES**

1. DO NOT BEGIN ANY WORK WITHOUT HAVING RECEIVED YOUR VALIDATED PERMIT AND PERMIT CARD. APPLYING FOR A PERMIT DOES NOT GRANT THE RIGHT TO BEGIN CONSTRUCTION. HOURS OF CONSTRUCTION ARE LIMITED TO MONDAY THROUGH FRIDAY FROM 7:00 A.M. TO 6:30 P.M., SATURDAYS FROM 8:00 A.M. TO 4:00 P.M. NO CONSTRUCTION ON SUNDAYS OR STATE HOLIDAYS. NO INSPECTIONS WILL BE CONDUCTED ON WEEKENDS OR HOLIDAYS.
2. ALL CONSTRUCTION AND/OR DEMOLITION AREAS MUST BE MAINTAINED IN A CLEAN, NEAT AND SANITARY CONDITION FREE FROM CONSTRUCTION DEBRIS.
3. STREETS AND NEIGHBORING PROPERTIES SHALL BE KEPT FREE FROM DIRT AND DEBRIS.
4. SWALES MUST BE PROTECTED FROM BEING DAMAGED BY EQUIPMENT OR VEHICLES.
5. CONSTRUCTION TRAILERS ARE PROHIBITED ON SINGLE FAMILY RESIDENTIAL CONSTRUCTION SITES. OTHER CONSTRUCTION MAY HAVE A TRAILER, WHICH REQUIRES A SEPARATE PERMIT.
6. PORTABLE TOILETS FOR A CONSTRUCTION SITE REQUIRE A SEPARATE PERMIT.
7. DO NOT DISCHARGE WATER INTO THE RIGHT OF WAY OR STORM DRAINS WITHOUT APPROVAL FROM THE BUILDING AND PLANNING DEPARTMENT.
8. EQUIPMENT AND MATERIALS SHALL BE STORED WITHIN YOUR PROPERTY, NOT ON PUBLIC RIGHT OF WAY.
9. FLORIDA DEPARTMENT OF HEALTH APPROVAL IS REQUIRED FOR APPLICATIONS INVOLVING SEPTIC TANKS. DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT (DERM) AND/OR MIAMI DADE WATER AND SEWER DEPARTMENT (MDWASD) APPROVAL IS REQUIRED FOR APPLICATIONS INVOLVING SEWERS AND WATER.
10. THE ISSUANCE OF A DEVELOPMENT PERMIT BY THE VILLAGE DOES NOT IN ANY WAY CREATE ANY RIGHT ON THE PART OF AN APPLICANT TO OBTAIN A PERMIT FROM A STATE OR FEDERAL AGENCY AND DOES NOT CREATE ANY LIABILITY ON THE PART OF THE VILLAGE FOR ISSUANCE OF THE PERMIT IF THE APPLICANT FAILS TO OBTAIN REQUISITE APPROVALS OR FULFILL THE OBLIGATIONS IMPOSED BY A STATE OR FEDERAL AGENCY OR UNDERTAKES ACTIONS THAT RESULT IN A VIOLATION OF STATE OR FEDERAL LAW. IN ADDITION, ALL APPLICABLE STATE AND FEDERAL PERMITS SHALL BE OBTAINED BY THE APPLICANT BEFORE COMMENCEMENT OF THE DEVELOPMENT.

AFFIDAVIT

APPLICATION IS HEREBY MADE TO OBTAIN A PERMIT TO DO WORK AND INSTALLATION AS INDICATED. I, THE OWNER OF THE PROPERTY, CERTIFY THAT ALL WORK WILL BE PERFORMED TO MEET THE STANDARDS OF ALL LAWS REGARDING CONSTRUCTION IN THE VILLAGE OF PINECREST. I UNDERSTAND THAT SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING, POOL, EXTERIOR DOOR, MECHANICAL, WINDOW, FENCE, DRIVEWAY, ROOFING, SHUTTERS AND SIGNS AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL AGENCIES.

I, THE OWNER OF THE PROPERTY, HAVE DISCLOSED ALL INFORMATION RELATED TO ANY WORK AT THE PROPERTY PERFORMED IN THE PRIOR ONE (1) YEAR TO THE BUILDING OFFICIAL. FURTHER, I AM FULLY AWARE THAT IF THE CUMULATIVE COST OF WORK TO MY HOME OR BUSINESS UNDER THIS AND ANY OTHER PERMIT DURING THE ONE (1) YEAR PERIOD BEGINNING ON THE DATE OF THE FIRST IMPROVEMENT OR REPAIR TO THE STRUCTURE SUBSEQUENT TO JANUARY 1, 2015 EXCEEDS FIFTY PERCENT (50%) OF THE MARKET VALUE OF THE STRUCTURE, THE ENTIRE STRUCTURE MUST MEET THE PRESENT FEDERAL FLOOD CRITERIA FOR FINISHED FLOOR ELEVATION PLUS 1 FOOT. I AM ALSO FULLY AWARE THAT IF THE WORK AREA TO MY HOME OR BUSINESS UNDER THIS AND ANY OTHER PERMIT EQUALS OR EXCEEDS FIFTY PERCENT (50%) OF THE BUILDING AREA, THEN THE ALTERATION MUST CONFORM TO THE CURRENT CODE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXISTING BUILDINGS SECTION 604 ALTERATION LEVEL 3.

I, THE OWNER OF THE PROPERTY, UNDERSTAND THAT A PERMIT APPLICATION IS SUBJECT TO DENIAL AND A VALIDATED PERMIT OR PERMIT CARD IS SUBJECT TO REVOCATION OR MODIFICATION BASED UPON APPLICABLE DEEDS, COVENANTS, DECLARATIONS, EASEMENTS AND ANY OTHER LEGAL RESTRICTION. BY ISSUING A PERMIT, THE VILLAGE MAKES NO REPRESENTATION AS TO THE EXISTENCE OR VALIDITY OF ANY PROPERTY RESTRICTION.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU ARE SPENDING MORE THAN \$2,500 OR INTEND TO OBTAIN FINANCING, YOU MAY WISH TO CONSULT WITH YOUR ATTORNEY OR LENDER BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. THE NOTICE OF COMMENCEMENT MUST BE RECORDED AT: 22 N.W. 1ST STREET, 1ST FLOOR (305) 275-1155 EXTENSION 6. ONCE RECORDED, THE NOTICE OF COMMENCEMENT MUST BE POSTED AT THE JOB SITE IN ACCORDANCE WITH SECTION 713.35 OF FLORIDA STATUTES

STATE OF FLORIDA, COUNTY OF MIAMI-DADE

SIGNATURE OF OWNER

JANESA NELINE

PRINT NAME SWORN TO AND SUBSCRIBED BEFORE ME THIS 25 DAY OF AUG, 2023

SIGNATURE OF NOTARY PUBLIC, STATE OF FLORIDA

SEAL

JESSICA RODRIGUEZ

Commission # HH 269882

Expires June 1, 2026

PERSONALLY KNOWN OR, PRODUCED IDENTIFICATION

TYPE OF IDENTIFICATION PRODUCED: License

STATE OF FLORIDA, COUNTY OF MIAMI-DADE

SIGNATURE OF CONTRACTOR QUALIFIER

PRINT NAME SWORN TO AND SUBSCRIBED BEFORE ME THIS _____ DAY OF _____, 20____.

SIGNATURE OF NOTARY PUBLIC, STATE OF FLORIDA

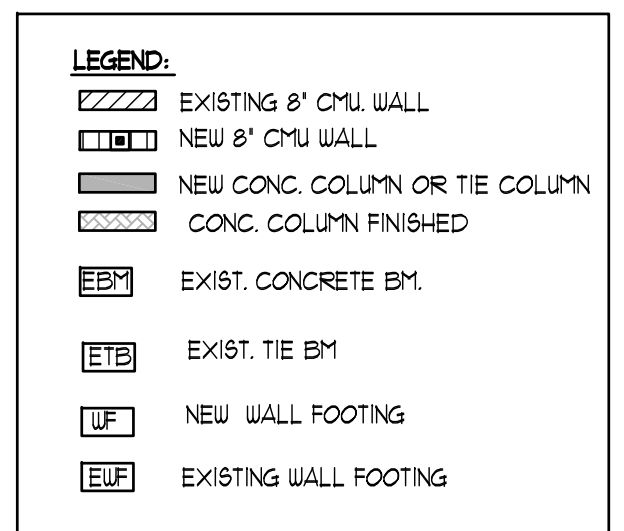
SEAL

PERSONALLY KNOWN OR, PRODUCED IDENTIFICATION

TYPE OF IDENTIFICATION PRODUCED: _____

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156



A circular professional engineer seal for Joaquin Montesino, State of Florida, License No. 69969. The seal features the name "JOAQUIN MONTESINO" at the top, "LICENSE" below it, the number "No. 69969" in the center, and "STATE OF FLORIDA" below the number. The words "PROFESSIONAL ENGINEER" are written along the bottom half of the circle. The seal is surrounded by a decorative border of small vertical lines. A red ribbon is visible on the right side of the seal.

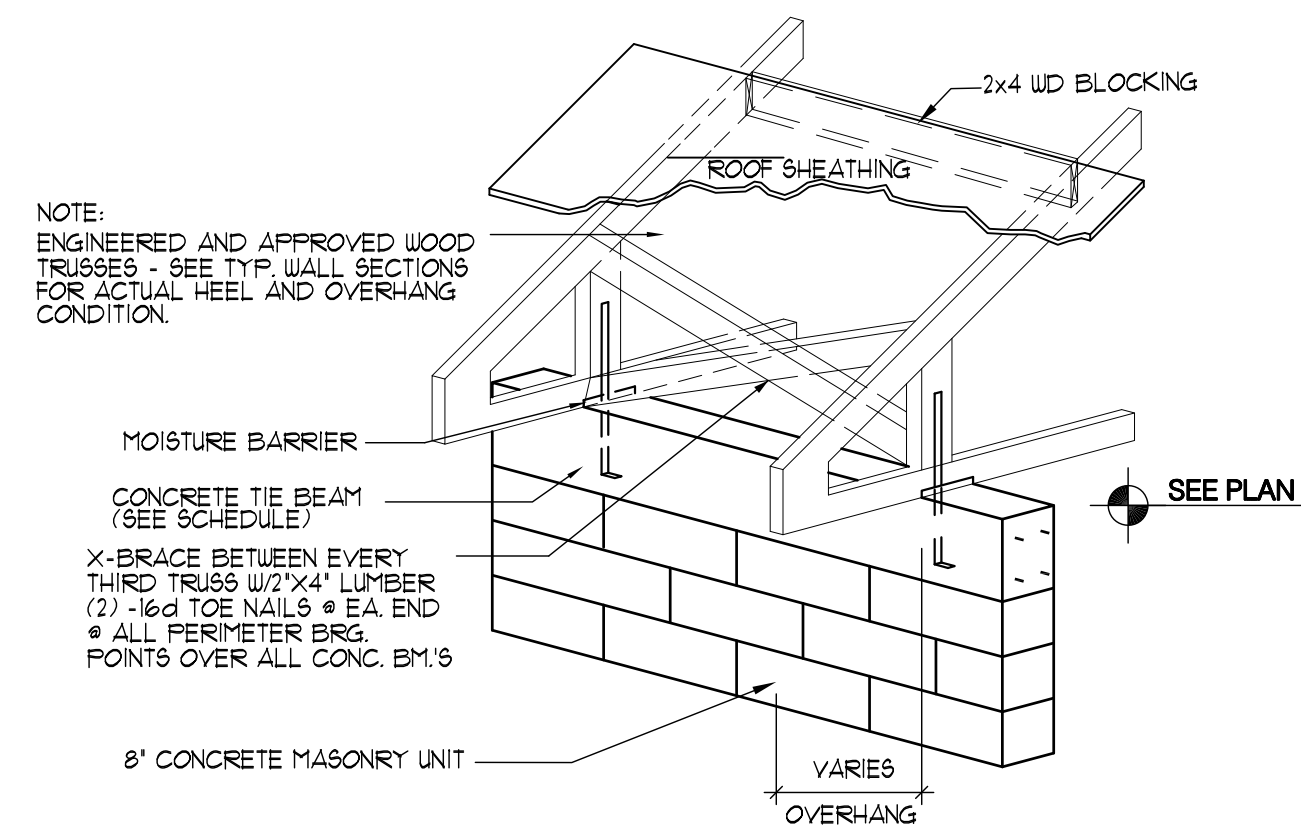
Digitally signed
by JOAQUIN
MONTESINO
Date:
2024.01.31
11:06:14 -05'00'

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS

G2 CONSULTING GROUP, INC.
JOAQUIN MONTESINO, P.E
CONSULTING ENGINEERS
9725 SW. 4 TERR. MIAMI FL. 33174
PHONE & FAX (786) 294-00-32
LIC. #69969, CA 25882

S-1

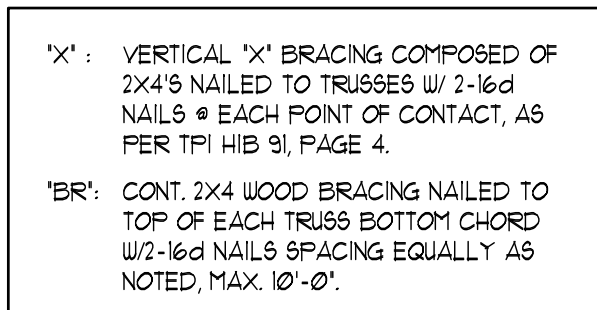
CONSTRUCTION DOCUMENTS



USE MULTIPLE STRAPS WHERE REQUIRED (SEE ROOF PLAN
NONE SCALE:

ROOF PREFAB. WOOD JACK TRUSSES SUPERIMPOSED LOADS	
DEAD	30 P.S.F.
LIVE	30 P.S.F.
BASIC WIND PRESSURE, qh	566 P.S.F.
NET WIND UPLIFT, ZONE 1	-438 P.S.F.
NET WIND UPLIFT, ZONE 2: WIDE EDGE STRIP 3FT	-120 P.S.F.
NET WIND UPLIFT, ZONE 2a3 3FTx3FT WIDE EDGE STRIP	-550 P.S.F.

EXPOSURE 'C' $V_u=175\text{MPH}$ $h=15\text{ FT}$ $'a'=3\text{ FT}$
HIP ROOF $10^\circ < \theta < 20^\circ$ $V_u=175\text{MPH}$ $h/B \leq 0.5$
EFFECT. WIND AREA :21 SF



LEGEND:

	EXISTING 8" CMU WALL
	NEW 8" CMU WALL
	NEW CONC. COLUMN OR TIE COLUMN
	CONC. COLUMN FINISHED
	EXIST. CONCRETE BM.
	EXIST. TIE BM
	NEW WALL FOOTING
	EXISTING WALL FOOTING

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JOAQUIN MONTESINO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 69969" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. A red diagonal line crosses the seal from the bottom left to the top right.

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9725 SW. 4 TERR. MIAMI FL. 33174
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LIC. #69969, CA 25882

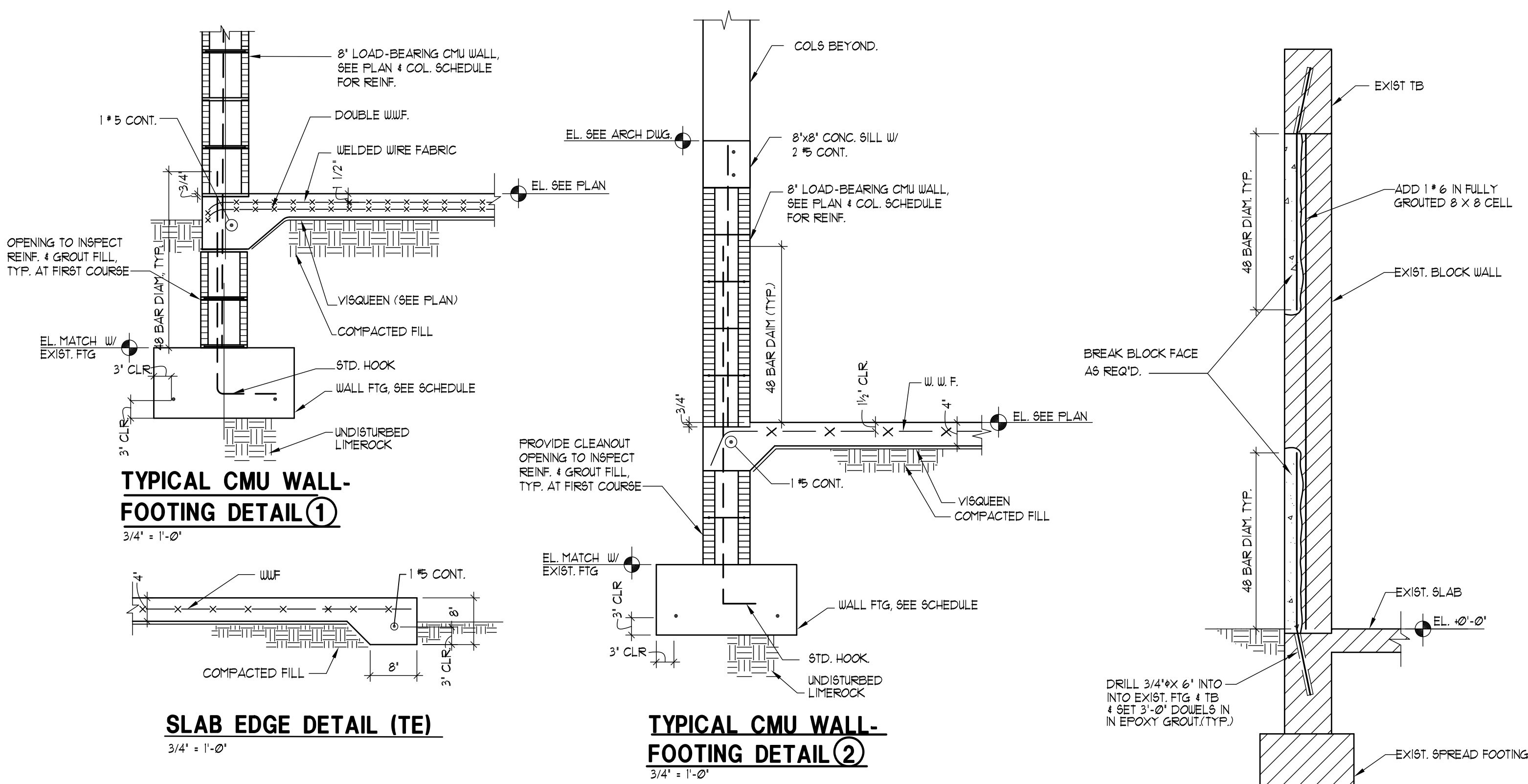
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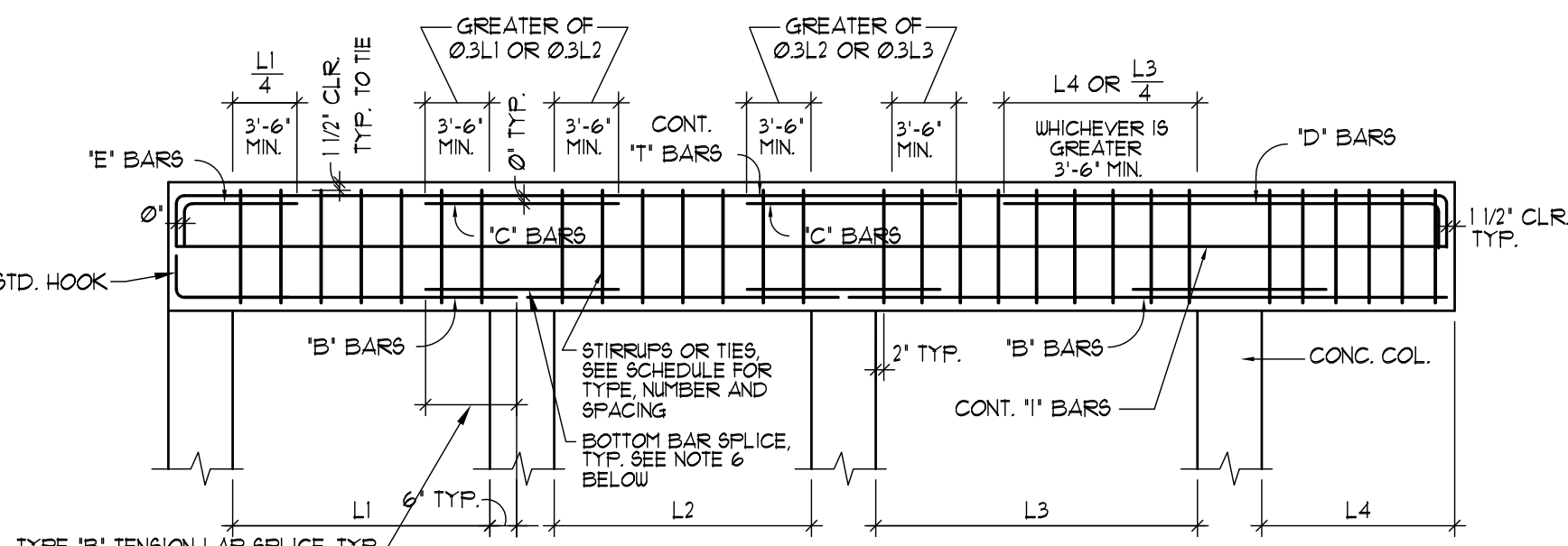
CONCRETE BEAM SCHEDULE											
MARK	TOP ELEV.	SIZE W x H	REINFORCING					TIES OR STIRRUP NO. TYPE	SPACING EA. END		REMARKS
			"B"	"T"	"C"	"E"	"D"				
RB-1	+1'-10"	8' x 12'	2 #5	2 #5				#3	4 1/2'		
TB	SEE PLAN	8' x 12' MIN.	2 #5	2 #5				#3	4 # 12', BALANCE 48'		PROVIDE 2 #5 X 2'-6" X 2'-6" CORNERS BARS. DROP OVER OPENING. ADD #5 EA. FACE BOT. WHEN DEPTH EXCEEDS 36" ADD #4 # 12" #11 BARS EA. FACE

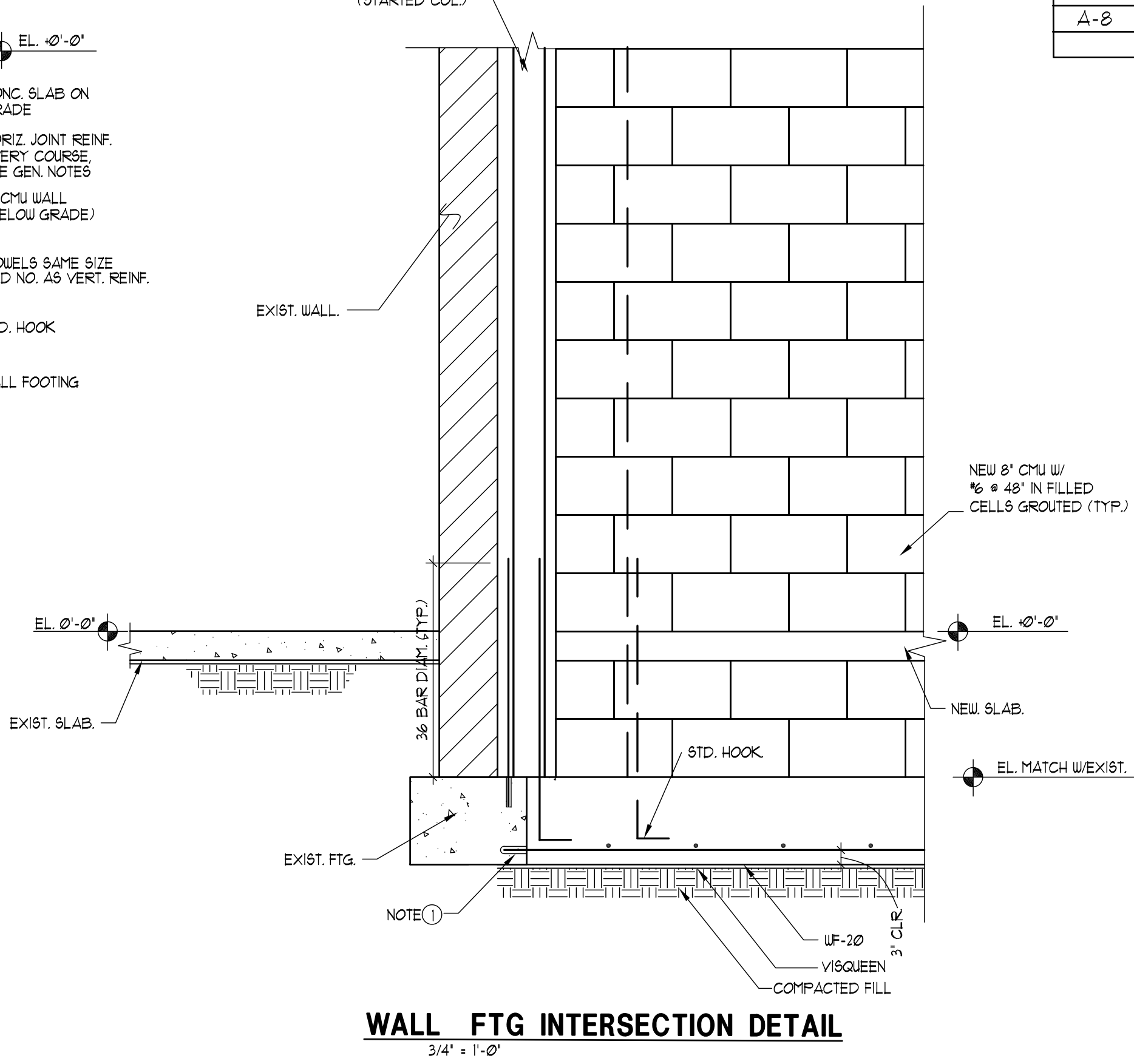
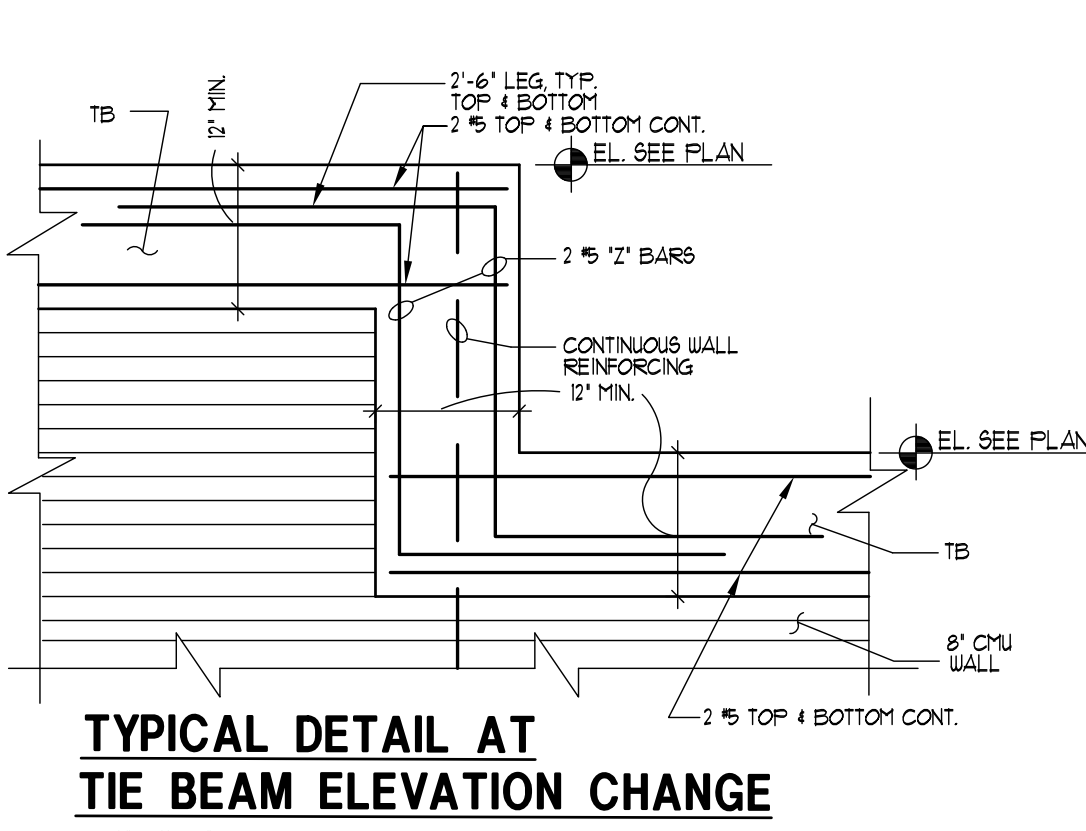
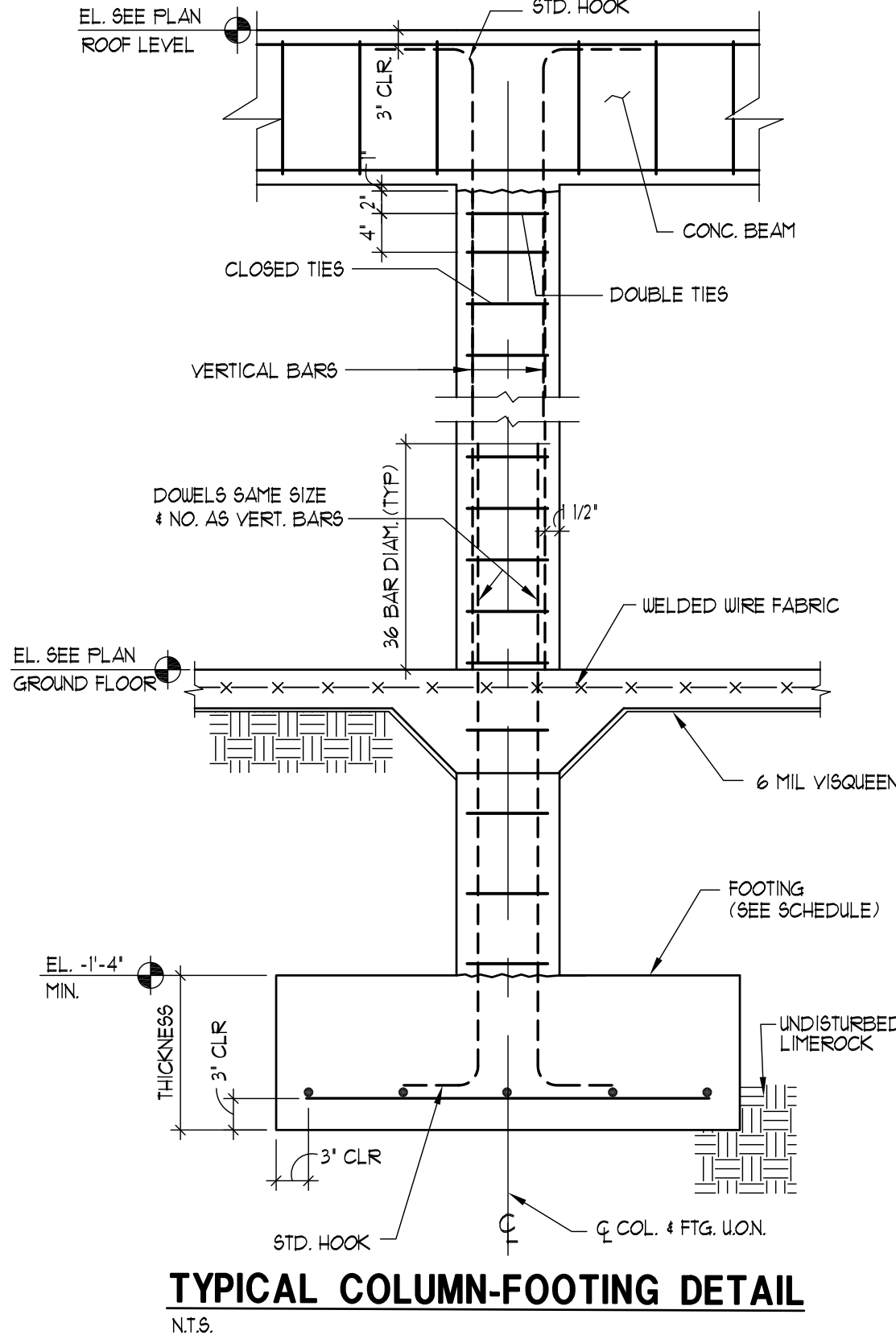
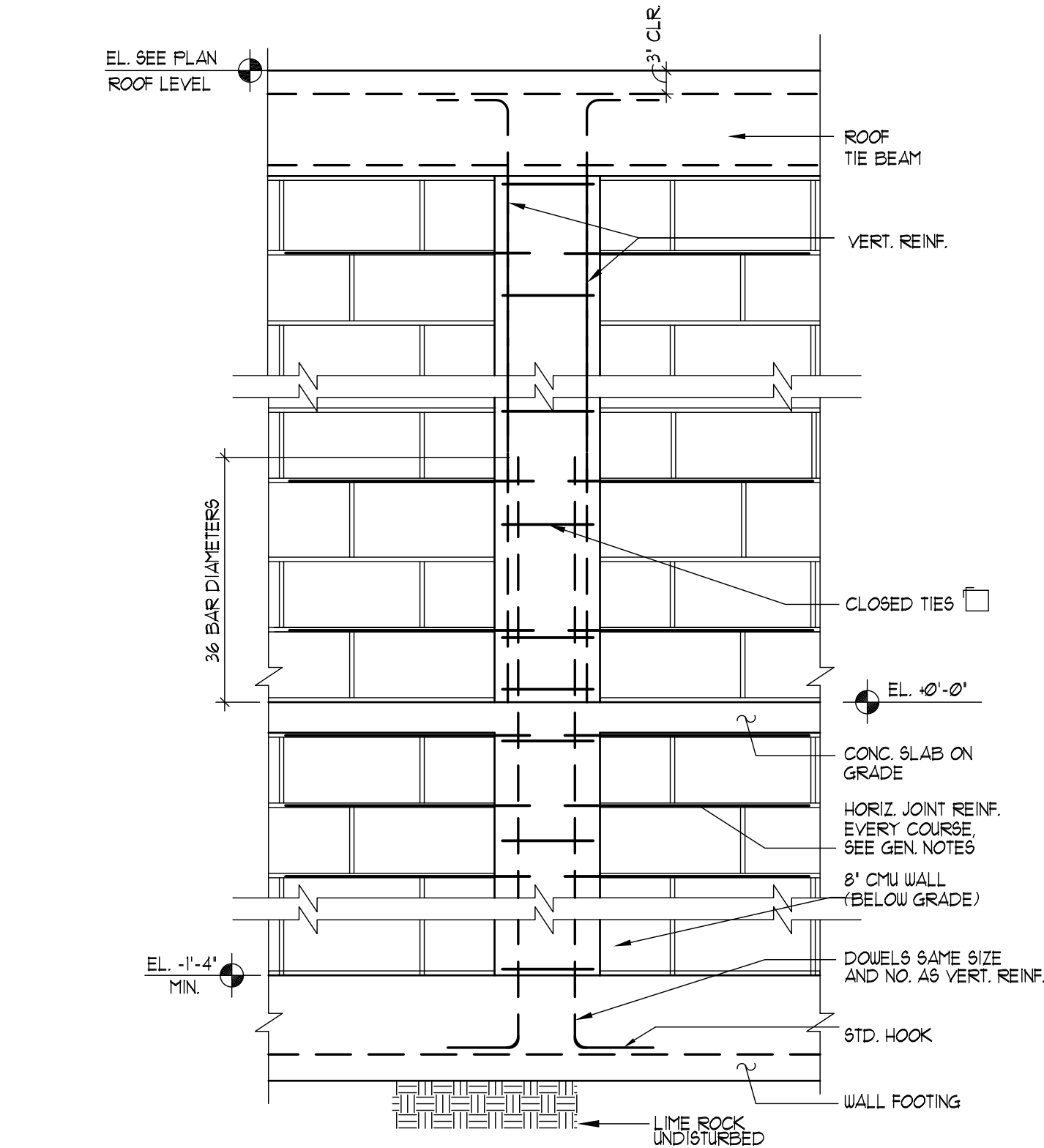
COLUMN SCHEDULE				
MARK	SIZE W x D	REINFORCEMENT		REMARKS
		VERTICAL OR BASE PLATE	TIES OR CAP PLATE	
①	8' x 20'	6 #5	#3 @ 6'	
②	8' x 18'	6 #5	#3 @ 6'	
⑧C	8' x 8'	2 #5		STARTED COL.
FC	#6 @ 48" IN FILLED CELLS GROUTED (WON.)			
FC	2 #6 IN 2" GROUT-FILLED CELLS			

FOOTING SCHEDULE						
MARK	SIZE LxWxTHICKNESS	REINFORCEMENT				REMARKS
		BOTTOM		TOP		
		SHORT BARS	LONG BARS	SHORT BARS	LONG BARS	
UF-20	CONT (20'x12')		2 # 5	—	—	PROVIDE 2'5 x 2'-6"x2'-6' CORNERS BARS
F-60	6'-0"x6'-0"x14"	6 # 6	6 # 6			
TE.	CONT. 8 x 8	—	1 # 5	—	—	THICK EDGE



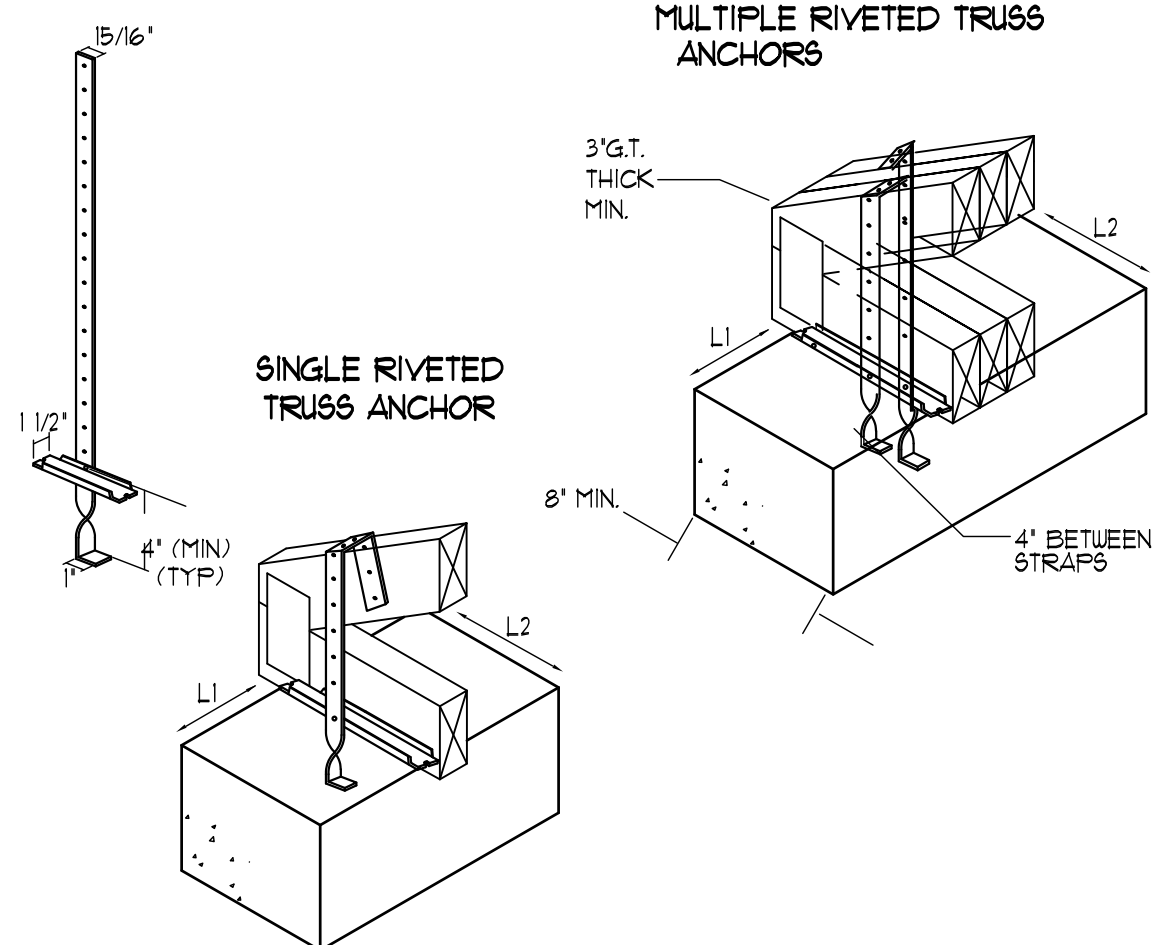
**TYPICAL DETAIL
FILL CELL COLUMN ADDITION**
3/4" = 1'-0"





RIVETED TRUSS ANCHOR SCHEDULE CONCRETE TIE-BEAM TO TRUSS													
A-X MARK	NUMBER OF STRAPS	SIZE	ASSEMBLY PRODUCT CODE (Nu-Vue)	PRODUCT CODE (Nu-Vue)	GAUGE	DIMENSIONS		NUMBER OF 10d COMM NAILS	# OF PLY	ALLOWABLE LOADS			
						OUT OF CONCRETE	OVERHALL LENGTH			LATERAL		UPLIFT	
										L-2	L-1	133% 10d COMM.	NO. #
A-1	1	16	NVSTA 17		14	16	20	9	1	1430 *	950 *	1427 *	18-0312.07.
A-2	1	16	NVSTA 17H	NVTH 20	14	16	20	9	1	1430 *	950 *	1783 *	17-0802.07
A-3	1	16	NVHTA 17H	NVTH 20	14	16	20	12	1	1731 *	1181	2338 *	17-0802.07
A-4	1	20	NVHTA 20H	NVTH 24	14	20	24	14	1	1812 *	1312 *	2598 *	17-0802.07
A-5	1	22	NVHTA 22H	NVTH 27	14	22	27	18	1	2175 *	1575 *	3117 *	17-0802.07
A-6	1	20	NV358 -20	NVTH 24	14	20	24	16	2	2758 *	2942 *	3377 *	17-0802.07
A-8	1	20	NV458 -20	NVTH 24	14	20	24	16	3	3117 *	4175 *	3377 *	17-0802.07

-USE ALL FASTENERS IN SCHEDULE TO ACHIEVE VALUES INDICATED MINIMUM
EDGE DISTANCE IS 2".
-ALLOW 4" EMBEDMENT IN CONCRETE.
-DESIGN LOADS BASED ON USE OF SOUTHERN YELLOW PINE, SG-055
-PROVIDE 1-10d COMM. NAILS @ STEEL SEAT OF STRAPS FOR 1 PLY TRUSS
-PROVIDE 2-10d COMM. NAILS @ STEEL SEAT OF STRAPS FOR 2 & 3 PLY
TRUSSES



Digitally signed by
JOAQUIN MONTESINO
Date:
2024.01.31 11:07:36 -05'00'

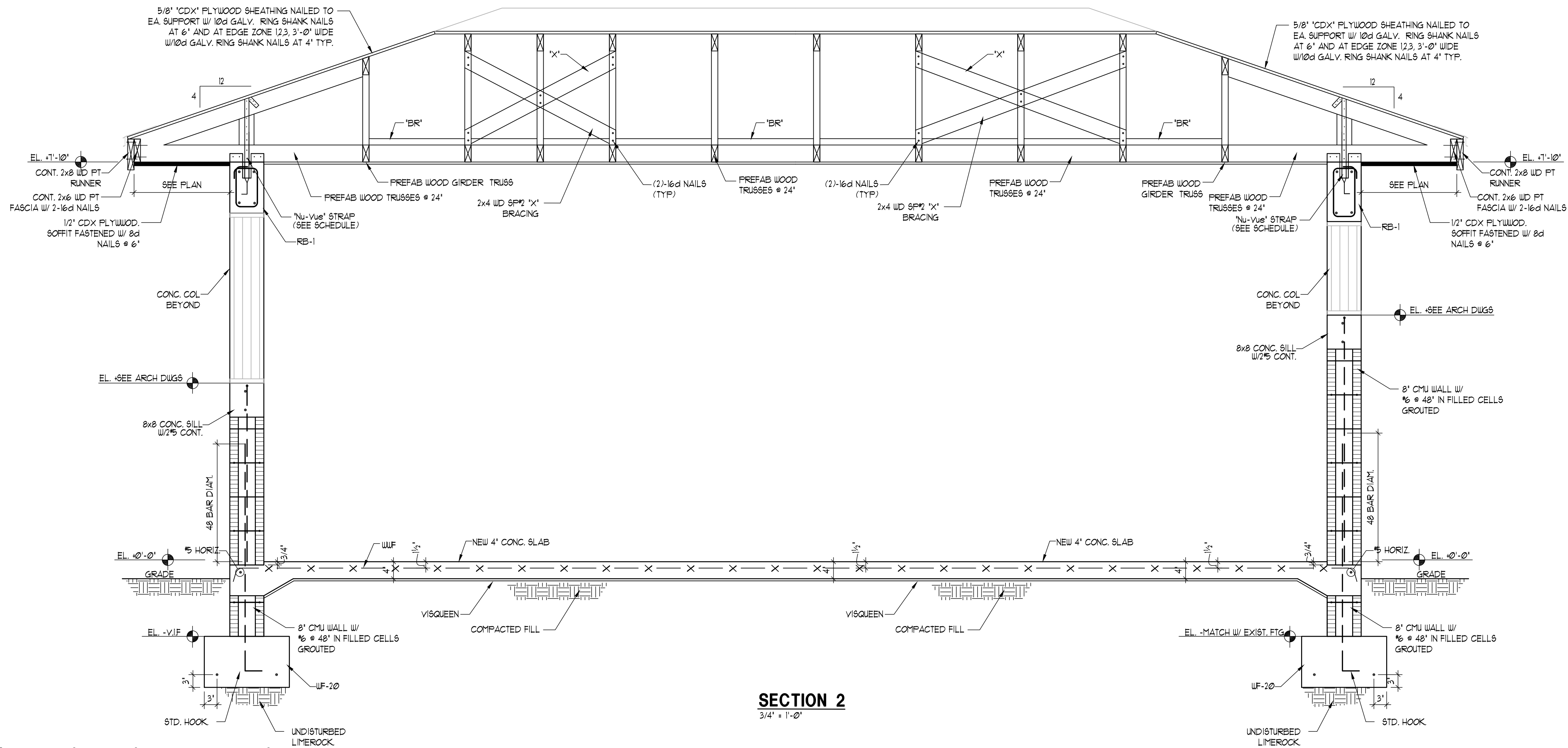
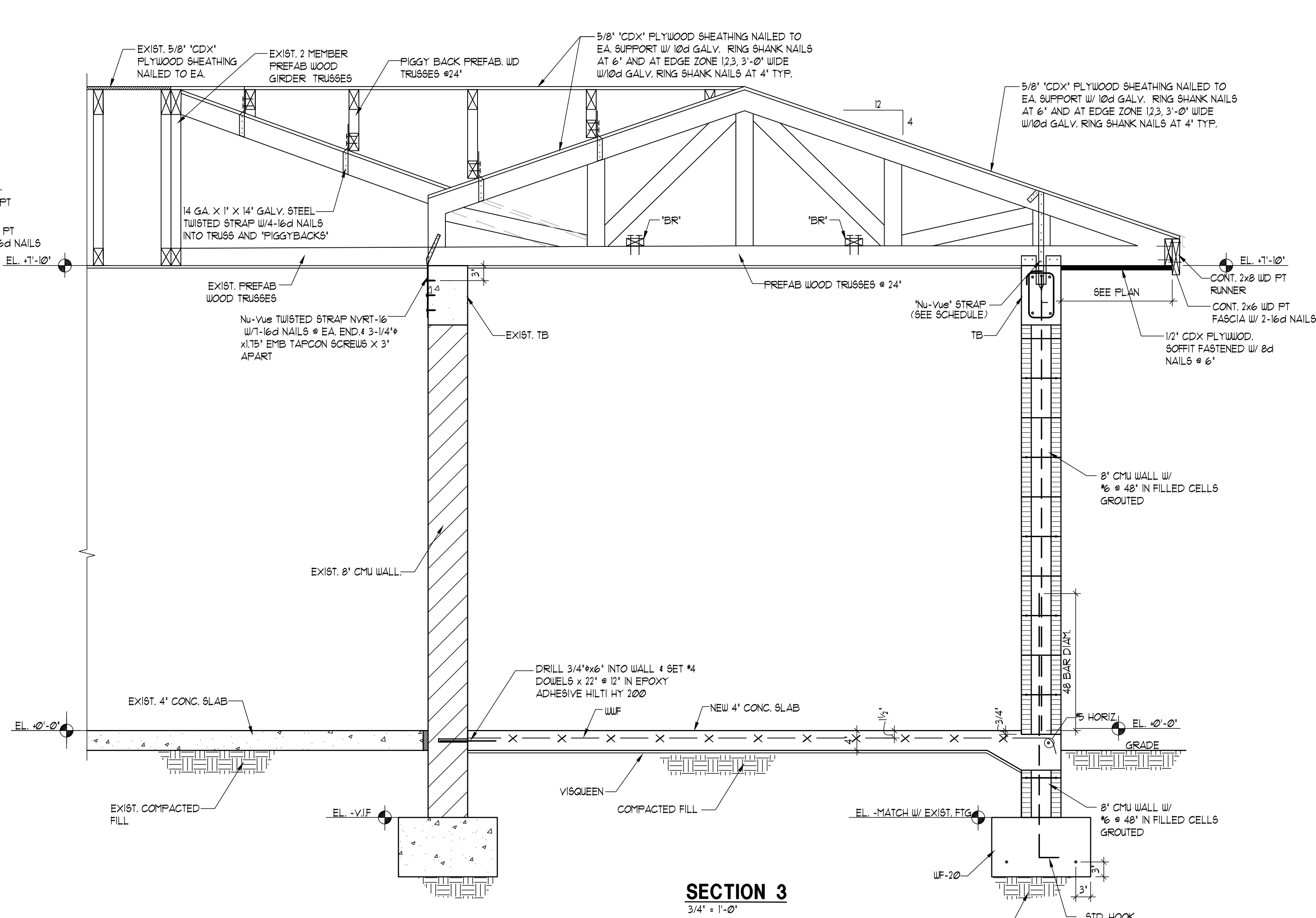
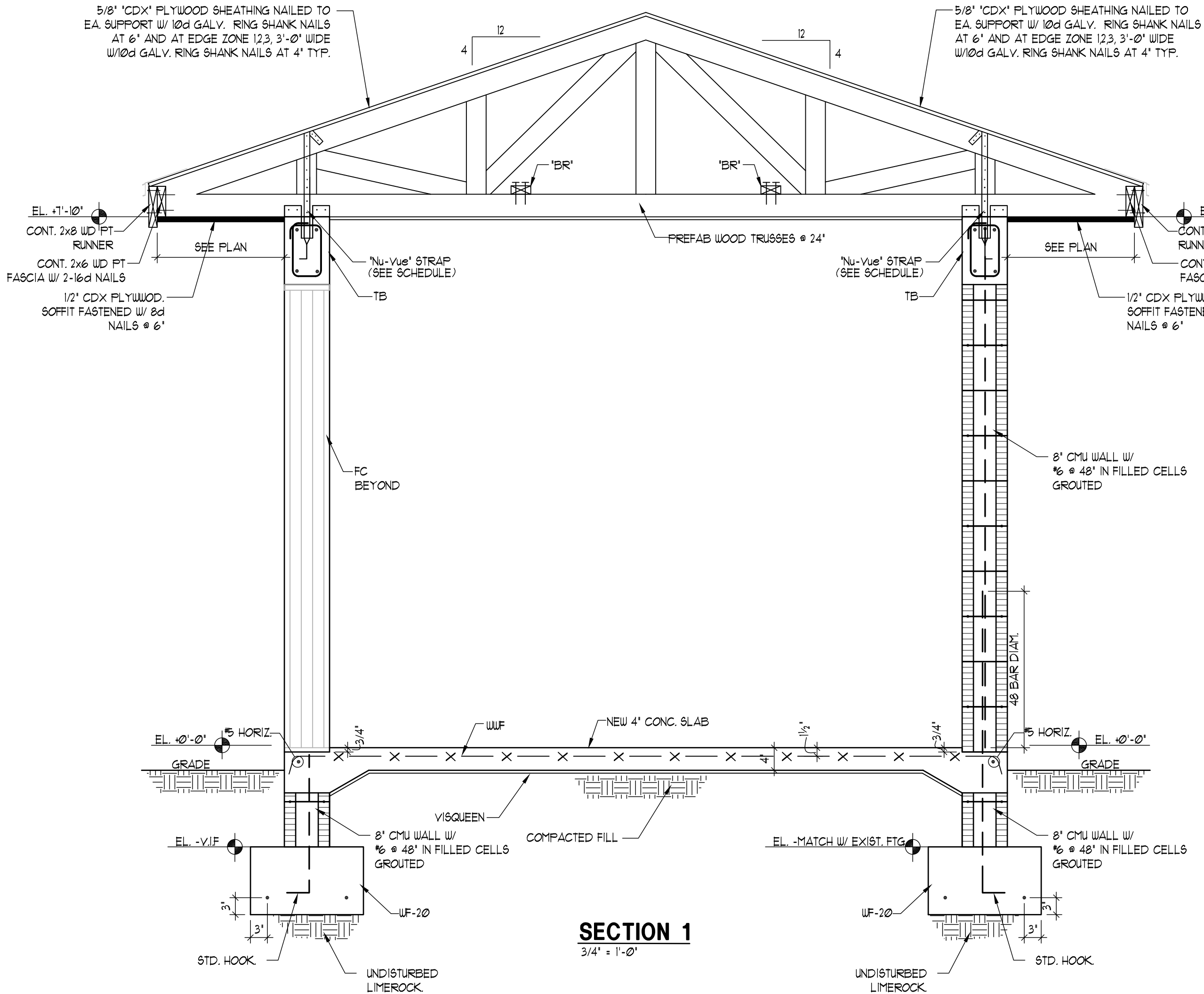
JOAQUIN MONTESINO
LICENSE
No. 69969
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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LIC. #69969, CA 26882

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JOAQUIN MONTESINO
Date:
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JOAQUIN MONTESINO
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ARKO ARCHITECTURE, LLC
2490 CORAL WAY, SUITE 301
MIAMI, FL 33145
eduardo@thearkgroup.com
eduardo@thearkgroup.com
www.thearkgroup.com
p: 305.400.8133

ADDITION & RESTORATION FOR:

**MAZZINI & MELINE
RESIDENCE**

10300 SW 70TH AVE,
MIAMI, FL 33156

DRAWN BY
DATE 04.03.23
CHECKED BY

PROJECT
22-84

REVISIONS

S-5

CONSTRUCTION DOCUMENTS

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STRUCTURAL NOTES

1. FOUNDATION:

- FOUNDATION SYSTEM CONSISTS OF SHALLOW SPREAD FOOTINGS DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. FOOTINGS SHALL BEAR ON UNDISTURBED LIMEROCK.
- PROVIDE ANY BRACING OR SHORING AS REQUIRED IN ORDER TO PREVENT SETTLEMENT OR DISPLACEMENT OF ADJACENT EXISTING FOUNDATIONS AND /OR STRUCTURES.
- ALL FOUNDATION EXCAVATIONS SHALL BE KEPT DRY. FOUNDATION CONCRETE SHALL BE POURED ONLY UNTIL EXCAVATIONS ARE COMPLETELY DRY. TAKE EVERY PRECAUTION DURING DEWATERING OPERATIONS SO THAT EXISTING ADJACENT STRUCTURES, UTILITIES, PIPING, ETC. ARE NOT DAMAGED.
- CENTERS OF COLUMNS SHALL COINCIDE WITH CENTERS OF FOOTINGS, UNLESS OTHERWISE NOTED IN FOUNDATION PLANS AND FOOTING DETAILS.
- TOP OF FOUNDATION ELEVATIONS SHOWN IN PLAN ARE BASED ON THE BEST AVAILABLE INFORMATION GATHERED FROM SOIL BORING LOGS. SOIL CONDITIONS ENCOUNTERED DURING FOUNDATION EXCAVATIONS MIGHT DICTATE TOP OF FOUNDATION ELEVATION TO BE LOWERED IN ORDER TO EMBED FOUNDATIONS A MINIMUM OF 1 INCHES INTO THE EXISTING LIMEROCK BEARING STRATA.
- FOUNDATIONS MAY BE EARTH-FORMED IF SOIL CONDITIONS PERMIT. EXCAVATE TO EXACT FOUNDATION SIZES.

2. GENERAL:

- ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE FLORIDA BUILDING CODE, 2020 HVHZ, ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS, THE ACI 318-14 BUILDING CODE, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES.
- THESE DRAWINGS AND SPECIFICATIONS COMPLY TO THE BEST OF MY KNOWLEDGE WITH THE FLORIDA BUILDING CODE, 2020 HVHZ.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS OF EXISTING STRUCTURES AFFECTING NEW CONSTRUCTION BEFORE COMMENCING ANY WORK. ANY VARIATIONS IN ACTUAL FIELD CONDITIONS FROM THOSE SHOWN IN THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR DETERMINING THE NEED OF REDESIGN PRIOR TO CONTRACTOR'S SUBMITTAL OF SHOP WORKING DRAWINGS FOR REVIEW.
- THESE DRAWINGS SHALL BE WORKED TOGETHER WITH ARCHITECTURAL, AIR CONDITIONING, MECHANICAL, AND ELECTRICAL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, REGLETS, BOLT SETTINGS, SLEEVES, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES, OMISSIONS OR VARIATIONS FOUND ON THE DRAWINGS OR IN THE SPECIFICATIONS DISCOVERED DURING THE BIDDING PHASE SHALL BE IMMEDIATELY COMMUNICATED TO ARCHITECT/ENGINEER.
- WHEN PERFORMING WORK BELOW GRADE, CARE SHALL BE TAKEN TO AVOID DAMAGING ANY EXISTING UTILITIES. ALL UNKNOWN UTILITIES DISCOVERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPORTED TO ALL AFFECTED PARTIES, INCLUDING THE ARCHITECT/ENGINEER.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING HIS CONSTRUCTION DOCUMENTS WITH THE REVISED DRAWINGS AND SPECIFICATIONS, FIELD ORDERS, CHANGE ORDERS AND CLARIFICATION SKETCHES ISSUED DURING THE COURSE OF CONSTRUCTION.
- TYPICAL DETAILS AND NOTES ON THESE DRAWINGS SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE. CONSTRUCTION DETAILS AND SECTIONS NOT COMPLETELY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS AND SECTIONS SHOWN OR NOTED FOR SIMILAR CONDITIONS.
- THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT.
- BACKFILL AROUND THE EXTERIOR PERIMETER OF WALLS SHALL NOT BE PLACED UNTIL AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS. DO NOT PROCEED WITH BACKFILL UNTIL (7) DAYS AS A MINIMUM AFTER THE COMPLETION OF INTERIOR FLOOR SYSTEM UNLESS WALLS ARE ADEQUATELY BRACED. BACKFILL SHALL NOT BE PLACED UNTIL AFTER COMPLETION AND INSPECTION OF WATERPROOFING WHERE WATERPROOFING OCCURS.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL ACCUMULATED WATER FROM EXCAVATIONS AND DEWATERING OPERATIONS IN SUCH A WAY AS TO NOT CAUSE INCONVENIENCE TO THE WORK AND DAMAGE TO THE STRUCTURAL ELEMENTS.
- STRUCTURAL NOTES SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS.
- GENERAL CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES AND CONDUITS FROM DAMAGE. GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLIGENCE.
- GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY, MEANS AND METHODS OF CONSTRUCTION AND CONSTRUCTION PROCEDURES.
- DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS NOTED. IF DIMENSIONS ARE MISSING CONSULT ARCHITECT/ENGINEER FOR ADVICE.

3. SHOP DRAWINGS SUBMITTALS:

- SUBMITTALS TO STRUCTURAL ENGINEER OF RECORD:
 - CONCRETE TEST REPORTS FOR CAST-IN-PLACE CONCRETE AS PER ACI 308-11.
 - REINFORCING STEEL SHOP DRAWINGS.
 - STRUCTURAL STEEL SHOP DRAWINGS AND ERECTION DRAWINGS.

- SHOP DRAWINGS REQUIRING ENGINEERING BY A SPECIALTY ENGINEER SHALL COMPLY WITH THE FOLLOWING:

- THE SPECIALTY ENGINEER SHALL BE A FLORIDA REGISTERED PROFESSIONAL ENGINEER.
- THE SPECIALTY ENGINEER SHALL HAVE AT LEAST FIVE YEARS OF SOLID PROFESSIONAL DESIGN EXPERIENCE IN THE DESIGN AND DETAILING OF THE STRUCTURAL COMPONENT AND/OR STRUCTURAL SYSTEM BEING SUBMITTED FOR APPROVAL.
- THE SPECIALTY ENGINEER SHALL BE AN EMPLOYEE OR OFFICER OF A FABRICATOR, AN EMPLOYEE OR OFFICER OF ANOTHER COMPANY SUPPLYING COMPONENTS TO THE FABRICATOR.
- ALL SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL SUPPLY THE ENGINEER THREE COPIES OF SHOP DRAWINGS A MINIMUM OF ONE WEEK PRIOR TO PLACEMENT. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THE REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT IMPLY THAT THEY SUPERSEDE THE STRUCTURAL DRAWINGS. REVIEW WILL NOT INCLUDE CHECK OF DIMENSIONS, LENGTHS OR QUANTITIES.
- THESE STRUCTURAL DRAWINGS SHALL NOT BE USED TO PRODUCE SHOP DRAWINGS WITHOUT PRIOR EXPRESSED WRITTEN APPROVAL FROM THE STRUCTURE ENGINEER OF RECORD.
- SHOP DRAWINGS RE-SUBMITTED FOR APPROVAL SHALL BE CLEARLY CLOUDED AND NOTED. RE-REVIEW SHALL BE LIMITED TO THOSE ITEMS WHICH CAUSED THE RE-SUBMITTAL.

4. CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 308-11 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:

FOOTINGS	3,000 PSI
SLABS ON GRADE	3,000 PSI
ROOF, TIE BEAMS AND BEAMS	3,000 PSI
COLUMNS AND TIE COLUMNS	3,000 PSI
ALL OTHER CONCRETE	3,000 PSI
- FORMWORK SHALL COMPLY WITH ACI 347-04, 'RECOMMENDED PRACTICE FOR CONCRETE FORMWORK'.
- MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY CONCRETE WORK. SUBMIT STATISTICAL DATA FOR EACH CLASS OF CONCRETE.
- NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE.
- THE OWNER SHALL CONTRACT AN INDEPENDENT TESTING LABORATORY TO PERFORM CONCRETE CYLINDER TESTS AS FOLLOWS: SIX CYLINDER TESTS FOR ANY 50 CUBIC YARDS OF CONCRETE POURED, OR FRACTION THEREOF FOR EACH CLASS OF CONCRETE POURED EACH DAY. ONE CYLINDER SHALL BE TESTED AT 3 DAYS AND 7 DAYS, THREE AT 28 DAYS, AND ONE RESERVED TO BE TESTED AT 57 DAYS IF REQUIRED. FOLLOW ASTM STANDARDS FOR SAMPLING AND TESTING. ONE SLUMP TEST SHALL BE TAKEN FOR EACH SET OF TEST CYLINDERS. CAST, SLUMP TEST SHALL CONFORM WITH ASTM C 143. NO CONCRETE TEST WILL BE ACCEPTED IF CONCRETE IS TAMPERED WITH IN ANY WAY. AFTER SAID TEST IS PERFORMED, REPEAT TEST IF WATER IS ADDED AFTER INITIAL SAMPLING.
- TRANSPORTING, PLACING, CURING AND DEPOSITING OF CONCRETE SHALL COMPLY WITH ACI 301-08, SPECIFICATIONS FOR STRUCTURAL CONCRETE.
- CONSTRUCTION JOINTS IN STRUCTURAL SLABS AND BEAMS SHALL BE LOCATED AT 1/3 OF THE SPAN WITH REINFORCING CONTINUOUS ACROSS THE JOINT. PROVIDE A CONTINUOUS 2 X 4 SHEAR KEY AT SLABS. AT BEAMS PROVIDE A 1 1/2" DEEP SHEAR KEY WITH A WIDTH 8" SMALLER THAN THE BEAM WIDTH AND A DEPTH 8" SMALLER THAN THE BEAM DEPTH. LOCATIONS SHALL BE APPROVED BY STRUCTURAL ENGINEER OF RECORD BEFORE POUR.
- MAXIMUM WATER/CEMENT RATIO FOR CONCRETE CONTAINING A SUPERPLASTICIZER ADMIXTURE SHALL BE 0.40. SLUMP AFTER ADDITION OF SUPERPLASTICIZER SHALL BE 8" MIN.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER:
 - BARS AND LARGER.....2"
 - BARS AND SMALLER.....1 1/2"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:

SLABS AND WALLS	3/4"
BEAMS AND COLUMNS	1 1/2"
SHEAR WALLS	1 1/2"

5. REINFORCING STEEL:

- REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 318-14.
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A 615-09B, (60) GRADE 60.
- ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185-06.
- REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE, IN ACCORDANCE WITH CRSI 'MANUAL OF STANDARD PRACTICE', 2008.
- ALL TOP REINFORCING SHALL TERMINATE WITH STANDARD HOOKS AT DISCONTINUOUS EDGES OR ENDS.
- ALL BOTTOM BARS SHALL BEAR 1" MINIMUM OVER SUPPORTS, UNON.
- ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE LAPPED WITH CLASS 'B' TENSION LAP SPLICES AT CORNERS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER OF SUPPORTS AND REQUIRED WITH CLASS 'B' TENSION LAP SPLICES. TERMINATE CONTINUOUS BARS AT NON-CONTINUOUS ENDS WITH STANDARD HOOKS, UNON.
- SLAB TOP BARS ARE SHOWN IN PLAN AS SOLID LINES.
- SLAB BOTTOM BARS ARE SHOWN IN PLAN AS DASHED LINES.
- IN BEAMS WITH MULTIPLE LAYERS OF REINFORCING AT TOP OR BOTTOM SEPARATE LAYERS WITH #3 SPACER BARS FOR BAR SIZES UP TO #6 AND SAME SPACER BAR AS BAR SIZE FOR #6 BARS AND LARGER.
- IN BEAMS 8 INCHES WIDE PROVIDE A MAXIMUM OF 2 BARS PER LAYER OF REINFORCING.
- BEAMS INTERMEDIATE BARS SHALL BE HOOKED AT DISCONTINUOUS ENDS AND SPLICED AT SUPPORTS WITH CLASS 'B' TENSION LAP SPLICES.
- PROVIDE A 10 TON REINFORCING STEEL ALLOWANCE TO BE USED BY STRUCTURAL ENGINEER OF RECORD AT HIS OWN DISCRETION. BALANCE OF THIS ALLOWANCE NOT USED DURING CONSTRUCTION SHALL BE CREDITED TO THE OWNER AT THE SAME COST PER TON AS ORIGINALLY CHARGED.
- ALL TOP AND BOTTOM AND ACCESSORY REINFORCING USED IN BALCONIES AND TERRACES SHALL BE GALVANIZED.
- FOR CLASS 'B' TENSION LAP SPLICES FOLLOW CRSI 'DESIGN HANDBOOK, 2008', CHAPTER 5.

1. CONCRETE MASONRY WORK:

- CONCRETE MASONRY WALLS NOTED AS LOAD BEARING WALLS, SHALL BE IN PLACE BEFORE THE SLABS AND BEAMS SUPPORTED BY THEM ARE POURED AS WELL AS THE CONCRETE TIE COLUMNS FRAMING THEM.
- CONCRETE MASONRY WALLS NOTED AS NON-LOAD BEARING WALLS SHALL BE PLACED AFTER CONCRETE FRAME SUPPORTING THEM ARE 28 DAYS OLD AND ALL SHORING AND RE-SHORING IS COMPLETELY REMOVED FROM BELOW AND ABOVE. HOLD CLEAR OF CONCRETE ABOVE UNTIL ANTICIPATED DEAD LOAD DEFLECTION OF CONCRETE SLAB OR BEAM ABOVE HAS OCCURRED. FILL JOINT WITH MORTAR AND SEAL AS REQUIRED BY ARCHITECTURAL DRAWINGS TO PREVENT WATER INTRUSION.
- ALL CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C 90, 'STANDARD SPECIFICATIONS FOR HOLLOW LOAD BEARING CONCRETE MASONRY UNITS', WITH A NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS OF 1800 PSI.
- MORTAR SHALL CONFORM TO ASTM C 270, TYPE 'M', WITH A MINIMUM AVERAGE STRENGTH OF 1500 PSI.
- CONCRETE MASONRY STRENGTH 1"m SHALL BE A MINIMUM OF 1500 PSI.
- VERTICAL REINFORCING IN CMU CELLS SHALL BE SPLICED WITH #3 BAR DIAMETER LAP SPLICES. PROVIDE CLEAN OUT HOLES AT BASE OF FILLED CELLS FOR LAP INSPECTION AND VERIFYING THAT THE CELLS HAVE BEEN FILLED SOLID WITH GROUT.
- FILLED CELLS SHALL BE FILLED WITH 3000 PSI GROUT AS PER TYPICAL 1601-16. FILLING OF CELLS SHALL BE DONE IN FOUR FOOT LIFTS WITH A MAXIMUM FOUR OF 12 FEET. USE MECHANICAL VIBRATION TO ACHIEVE GROUT-FILLED SOLID CELLS. GROUT SHALL CONFORM TO ASTM C411. SLUMP SHALL BE BETWEEN 8" AND 12".
- ALL CMU WALLS SHALL BE HORIZONTALLY REINFORCED WITH STANDARD NO. 3 LADDER-TYPE GALVANIZED STEEL REINFORCING EVERY SECOND COURSE. EXTEND REINFORCING A MINIMUM OF 4 INCHES INTO THE COLUMNS.
- PROVIDE GALVANIZED STEEL DOVETAIL ANCHORS EVERY OTHER COURSE CONNECTING NON-LOAD-BEARING WALLS TO CONCRETE COLUMNS AND SHEAR WALLS INTO THE MORTAR BED OF SOLID-GROUTED HOLLOW UNITS.
- REINFORCING BARS IN GROUTED CELLS SHALL BE SECURED IN PLACE AT BASE OF BAR AND ABOVE BEFORE GROUTING OF CELL WITH GALVANIZED BAR POSITIONERS.
- REINFORCING BARS BE SHALL CENTERED IN THE BLOCK CELL. DOUELS NOT LINED UP WITH THE BLOCK CELL SHALL NOT BE SLOPED MORE THAN 1 IN 1. HORIZONTAL DISTANCE BETWEEN DOUEL AND REINFORCING BAR MAY BE UP TO 8" ONE BLOCK CELL APART.
- ANCHOR BOLTS SHALL BE EMBEDDED IN WALLS IN GROUTED CELLS.
- GROUTED CELLS WHERE WEDGE ANCHORS ARE TO BE INSTALLED SHALL HAVE THE BLOCK SHELL REMOVED SO THAT WEDGE ANCHOR IS EMBEDDED IN SOLID CONCRETE GROUT. FILL ONE COURSE BELOW AND ABOVE ANCHOR LOCATION.
- ALL CONCRETE MASONRY WORK HAS BEEN DESIGNED AND DETAILED ASSUMING CONCRETE MASONRY WORK WILL BE COMPLETELY INSPECTED BY SPECIAL OR THIRD-PARTY INSPECTORS.
- REINFORCING BARS SHALL BE LOCATED AS INDICATED IN PLAN OR CALLED OUT BY NOTES IN PLANS WHERE PLANS AND NOTES DISAGREE. CONSULT ENGINEER OF RECORD FOR CLARIFICATION.
- LAY MASONRY UNITS IN RUNNING BOND.
- PROVIDE 30 LBS. FELT PAPER TO ISOLATE WOOD FROM MASONRY WALLS. USE PRESSURE-TREATED WOOD FOR LEDGERS IN CONTACT WITH MASONRY WALL.

1. STRUCTURAL STEEL:

- STRUCTURAL STEEL SHALL COMPLY WITH AISC 'SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION FOR STRUCTURAL STEEL BUILDINGS', AISC 360-16.
- STRUCTURAL STEEL WIDE FLANGE SHAPES AND PLATES SHALL CONFORM TO ASTM A 572, Fy 50 KSI, EXCEPT OTHER SHAPES WHICH SHALL CONFORM TO ASTM A 36, Fy 36 KSI.
- STRUCTURAL STEEL TUBES SHALL CONFORM TO ASTM A500, GRADE B, Fy 46 KSI.
- STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53, TYPE S, GRADE B, Fy 35 KSI.
- ANCHOR BOLTS SHALL CONFORM TO EITHER ASTM A 306 OR ASTM A 36.
- FRAMING BOLTS SHALL CONFORM TO ASTM 325 WITH HARDENED WASHERS AND HEX NUTS.
- ALL EXTERIOR STEEL SHAPES, PLATES, NUTS, BOLTS, WASHERS SHALL BE HOT-DIPPED GALVANIZED.
- SPLICING OF STEEL MEMBERS IS NOT ALLOWED, UNLESS SPECIFIED IN STRUCTURAL DRAWINGS OR APPROVED BY ENGINEER OF RECORD.
- ALL BOLTS, NUTS AND WASHERS SHALL BE NEW, RUST-FREE, CLEAN AND WELL LUBRICATED.
- BOLT HOLES THROUGH STEEL MEMBERS SHALL BE SHOP-DRILLED, CUT OR PUNCHED. DO NOT USE TORCH OR FLAME TO CUT OR ENLARGE HOLES.
- ALL STRUCTURAL STEEL TUBE OR PIPE COLUMNS SHALL BE FILLED WITH 3000 PSI CONCRETE GROUT. PROVIDE 1/4" DIAMETER WEEP HOLES EACH SIDE 13" FROM TOP AND BOTTOM OF COLUMN.
- DO NOT PAINT PARTS OF STEEL MEMBERS TO BE EMBEDDED IN CONCRETE AND SURFACES TO BE IN CONTACT WITH CONCRETE.
- FOR FIREPROOFING OF STRUCTURAL STEEL MEMBERS SEE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL MISCELLANEOUS STRUCTURAL STEEL NOT SHOWN IN STRUCTURAL DRAWINGS.
- FOR PAINTING OF NON-GALVANIZED STRUCTURAL STEEL SEE STRUCTURAL STEEL PROJECT SPECIFICATIONS.
- WELDING SHALL BE DONE WITH E-70 ELECTRODES, UNLESS OTHERWISE NOTED, CONFORMING TO AISC D11. (WELDING OF GRADE 10 REINFORCEMENT IS NOT PERMITTED).
- ALL SHOP AND FIELD WELDING SHALL BE IN ACCORDANCE WITH AISC D11 STRUCTURAL WELDING CODE, LATEST EDITION. ALL WELDERS SHALL BE AISC-CERTIFIED. SUBMIT WELDER CERTIFICATES TO ARCHITECT/ENGINEER FOR APPROVAL BEFORE ANY SHOP OR FIELD WELDING IS STARTED.
- HEADED SHEAR STUDS SHALL BE NELSON ANCHORS WITH FLUXED ENDS OR APPROVED, DEFORMED BAR ANCHORS (D.B.A.) SHALL BE NELSON TYPE D2L OR APPROVED. STUDS AND D.B.A. SHALL BE AUTOMATICALLY END-WELDED WITH THE MANUFACTURER'S STANDARD EQUIPMENT IN ACCORDANCE WITH THEIR RECOMMENDATIONS.
- EXPANSION BOLTS SHALL BE HILTI KWIK BOLT 3 OR APPROVED WITH EQUIVALENT ICC ALLOWABLE TENSION AND SHEAR VALUES. EXPANSION BOLTS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. DO NOT CUT REINFORCING IN NEW OR EXISTING CONCRETE DURING INSTALLATION.
- THE STEEL STRUCTURE IS DESIGNED AS A WHOLE WITH THE FLOOR AND ROOF DIAPHRAGM ACTION BRACING THE FRAMES AGAINST GRAVITY AND LATERAL AND VERTICAL WIND FORCES. PROVIDE ALL TEMPORARY BRACING AS REQUIRED IN ORDER TO MAINTAIN STEEL STRUCTURE STABLE UNTIL THE STRUCTURE IS COMPLETE.

8. PREFAB. WOOD TRUSSES:

- FABRICATE ALL WOOD FRAMING MEMBERS AND PREFAB WOOD TRUSSES IN ACCORDANCE WITH THE 'NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, 2018 EDITION.
- WOOD FRAMING MEMBERS OTHER THAN TRUSSES SHALL BE #2 SOUTHERN PINE WITH A FIBER BENDING STRESS AS PER NDS 2018.
- SIZES SHOWN ARE NOMINAL.
- MEMBERS SHALL BE FREE OF CRACKS AND KNOTS.
- MOISTURE CONTENT SHALL BE 19% OR LESS.
- PRESSURE-TREATED WOOD SHALL BE USED ONLY WHERE SPECIFICALLY NOTED IN THE DRAWINGS. NO FRAMING MEMBERS SHALL BE OF PRESSURE-TREATED WOOD, UNLESS OTHERWISE NOTED.
- ALL WOOD FRAMING CONNECTORS INCLUDING BOLTS, WASHERS, AND NUTS SHALL BE GALVANIZED.
- ALL EXPOSED STEEL PLATES AND SHAPES NOTED AS CONNECTORS SHALL BE HOT-DIPPED GALVANIZED. TOUCH UP AFTER INSTALLATION WITH 'GALVICON' PAINT, OR APPROVED EQUAL.

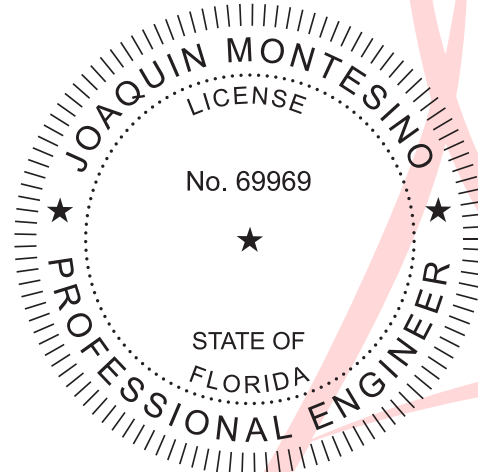
12. WIND ANALYSIS DESIGN PARAMETERS:

- WIND DESIGN HAS BEEN DONE IN ACCORDANCE WITH ASCE 7-16.
 - EXPOSURE 'C'.
 - RISK CATEGORY II.
 - INTERNAL PRESSURE COEFFICIENT, Gcpi: +0.18.
 - WIND VELOCITY, Vu: 115 MPH.

13. LETTER OF COMPLIANCE:

- AS THE SPECIAL INSPECTOR OF THIS BUILDING, UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, WILL FILE A SIGNED AND SEALED STATEMENT WITH THE ENFORCEMENT AGENCY THAT STATES THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE ABOVE DESCRIBED CONSTRUCTION OF ALL LOAD-BEARING STRUCTURAL COMPONENTS COMPLIES WITH THE PERMITTED DOCUMENTS AND THE SHORING AND RESHORING TO THE SHORING AND RESHORING PLANS SUBMITTED TO THE ENFORCEMENT AGENCY.

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signed by
**JOAQUIN
MONTESINO**
Date:
**2024.01.31
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-05'00'**



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

G2 CONSULTING GROUP, INC.
JOAQUIN MONTESINO, P.E.
CONSULTING ENGINEERS
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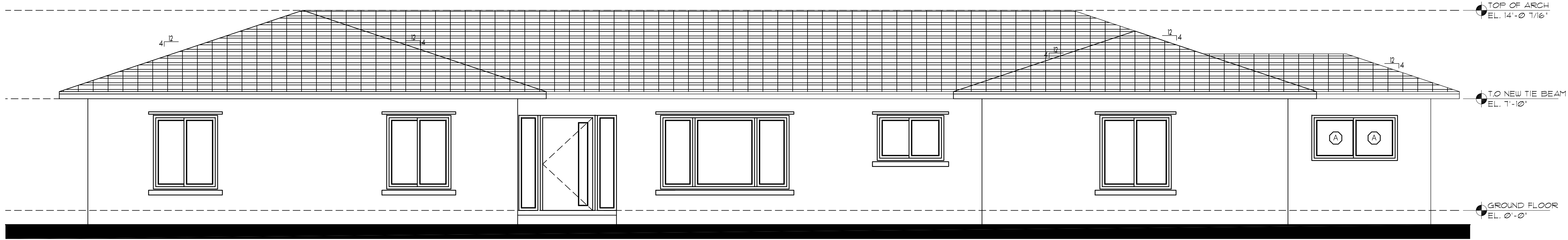
ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

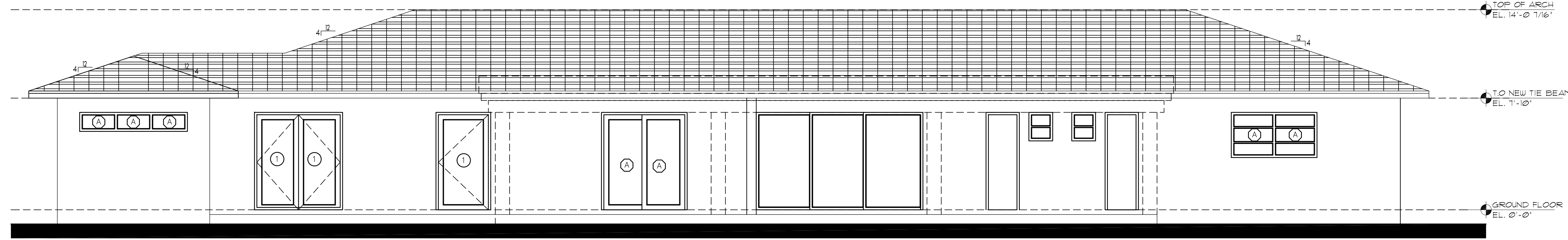
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MIAMI, FL 33156

CONSTRUCTION DOCUMENTS

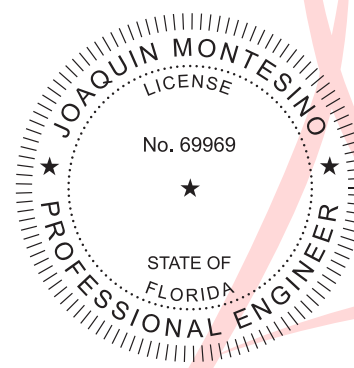
S-6



PROPOSED SOUTH ELEVATION (FRONT)
SCALE: 1/4" = 1'-0"



PROPOSED NORTH ELEVATION (REAR)
SCALE: 1/4" = 1'-0"



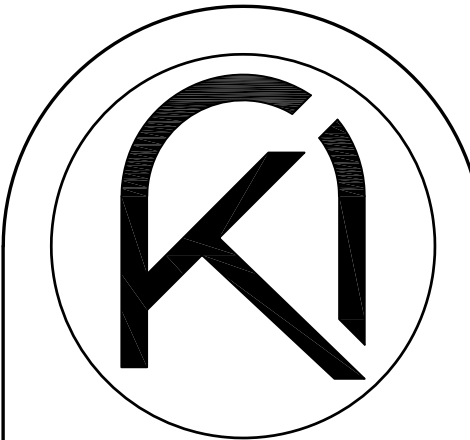
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JOAQUIN MONTESINO
Date:
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-05'00'

DOOR PRESSURES-ASD		
MARK	NEGATIVE (-)	POSITIVE (+)
① zone 4	41.5 PSF	38.0 PSF
② zone 5	49.8 PSF	38.0 PSF

WINDOWS PRESSURES-ASD		
MARK	NEGATIVE (-)	POSITIVE (+)
A zone 4	43.5 PSF	40.0 PSF
B zone 5	53.6 PSF	40.0 PSF

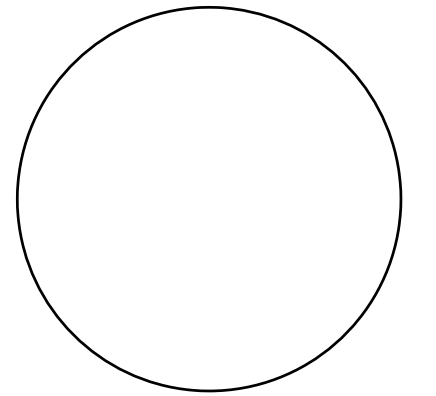
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edgardo@thearkogroup.com
eduardo@thearkogroup.com
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ADDITION & RESTORATION FOR:
**MAZZINI & MELINE
RESIDENCE**
10300 SW 70TH AVE,
MIAMI, FL 33156

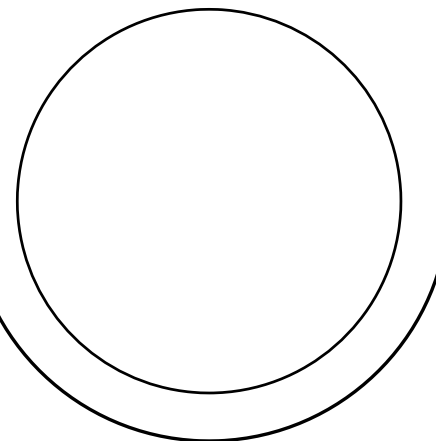


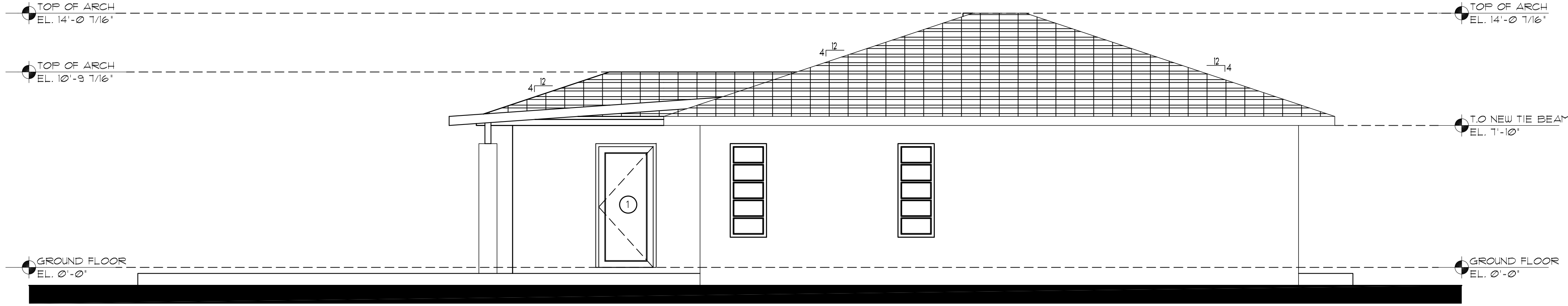
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REVISIONS

S-7

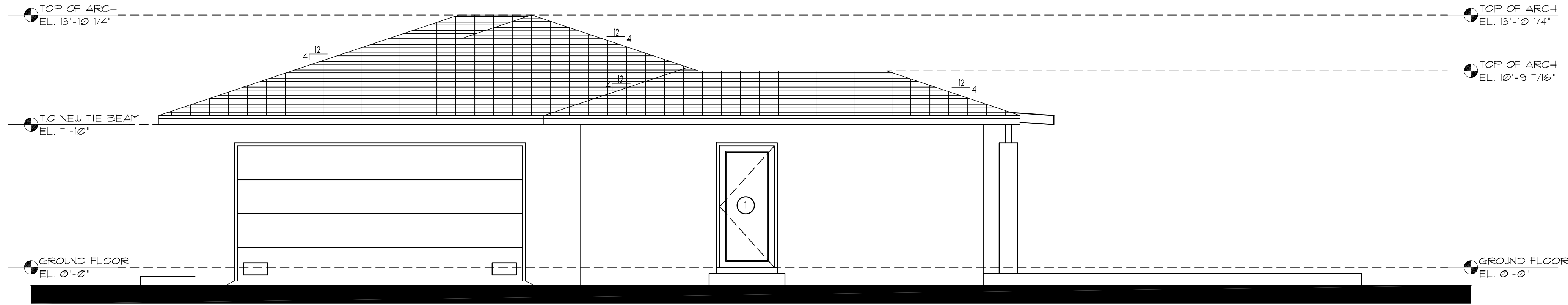
CONSTRUCTION DOCUMENTS





PROPOSED WEST ELEVATION (LEFT)

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



PROPOSED EAST ELEVATION (RIGHT)

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

DOOR PRESSURES-ASD		
MARK	NEGATIVE (-)	POSITIVE (+)
① zone 4	41.5 PSF	38.0 PSF
② zone 5	49.8 PSF	38.0 PSF

WINDOWS PRESSURES-ASD		
MARK	NEGATIVE (-)	POSITIVE (+)
Ⓐ zone 4	43.5 PSF	40.0 PSF
Ⓑ zone 5	53.6 PSF	40.0 PSF

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JOAQUIN MONTESINO
Date: 2024.01.31 11:08:47 -05'00'

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ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156

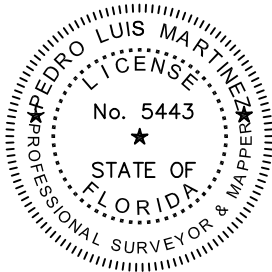
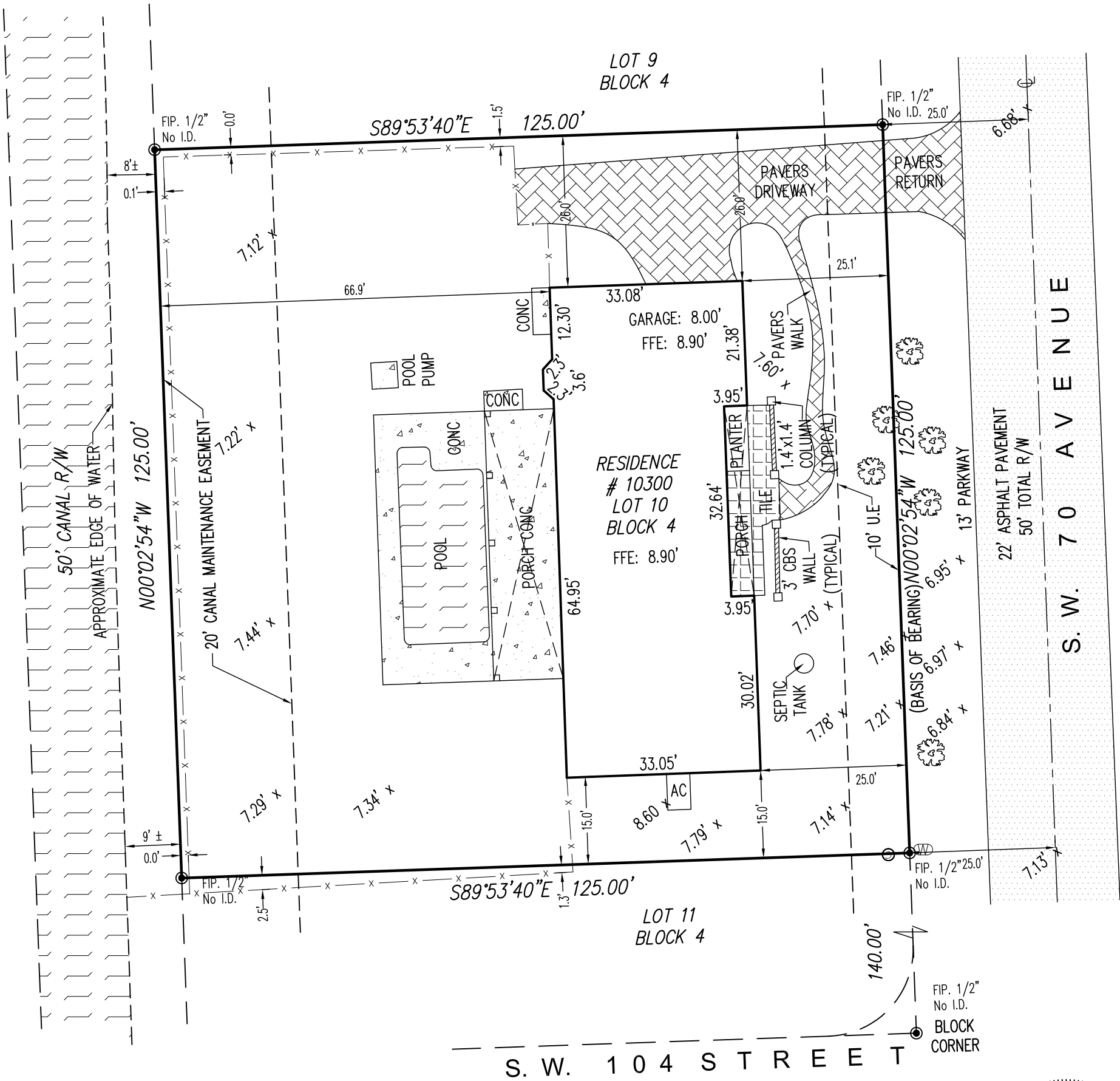
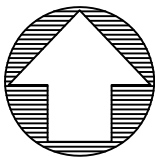
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PROJECT 22-84

REVISIONS

S-8

CONSTRUCTION DOCUMENTS

BOUNDARY SURVEY



ABBREVIATIONS AND LEGEND:

- A/C = DENOTES AIR CONDITIONING UNIT
- B.C. = DENOTES BLOCK CORNER
- B.M. = DENOTES BENCH MARK
- D.M.E. = DENOTES DRAINAGE MAINTENANCE EASEMENT
- C & G = DENOTES CURVE & GUTTER
- V.G. = DENOTES VALLEY GUTTER
- CL = DENOTES CENTERLINE
- M = DENOTES MONUMENT LINE
- FFE = DENOTES FINISH FLOOR ELEVATION
- F. 1/2"IP = DENOTES FOUND IRON PIPE NOT IDENTIFIED
- NO ID = DENOTES DRILL HOLE
- D.H. = DENOTES MEASURE
- (M) = DENOTES RECORD
- (R) = DENOTES RIGHT-OF-WAY
- R/W = DENOTES UTILITY EASEMENT
- U.E. = DENOTES PLAT BOOK
- P.B. = DENOTES PAGE
- PG. = DENOTES PERMANENT CONTROL POINT
- P.C.P. = DENOTES CONCRETE LIGHT POLE
- CONC = DENOTES ATT BOX
- POOL = DENOTES CATCH BASIN
- WATER METER = DENOTES WATER METER
- WOOD FENCE = DENOTES WOOD FENCE
- CHAIN LINK FENCE = DENOTES CHAIN LINK FENCE
- METAL FENCE = DENOTES METAL FENCE
- OVERHEAD LINE = DENOTES OVERHEAD LINE
- FOUND IRON PIPE (NO ID.) = DENOTES FOUND IRON PIPE (NO ID.)
- TRAFFIC SIGN = DENOTES TRAFFIC SIGN
- WATER VALVE = DENOTES WATER VALVE
- WOOD POWER POLE = DENOTES WOOD POWER POLE
- MANHOLE SANITARY = DENOTES MANHOLE SANITARY
- MANHOLE STORM = DENOTES MANHOLE STORM
- TREE = DENOTES TREE
- ASPHALT SLAB = DENOTES ASPHALT SLAB
- BRICK SLAB = DENOTES BRICK SLAB

GENERAL NOTES:

LEGAL DESCRIPTION PROVIDED BY OTHERS. EXAMINATION OF THE ABSTRACT OF THE TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECT THIS PROPERTY. THE LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR EASEMENT OR OTHER RECORDED ENCUMBRANCES NOT SHOWN ON THE PLAT. UNDERGROUND PORTIONS OF FOOTING, FOUNDATIONS OR OTHER IMPROVEMENTS WERE NOT LOCATED. ONLY VISIBLE AND ABOVE GROUND ENCROACHMENTS LOCATED. WALL TIES ARE THE FACE OF THE WALL. FENCE OWNERSHIP NOT DETERMINED. BEARINGS REFERENCED TO LINE NOTED AS B.R. BOUNDARY SURVEY MEANS A DRAWING AND/OR GRAPHIC REPRESENTATION OF THE SURVEY WORK PERFORMED IN THE FIELD. COULD BE DRAWN AT A SHOWN SCALE AND/OR NOT TO SCALE. NO IDENTIFICATION FOUND ON PROPERTY CORNERS UNLESS NOTED. NOT VALID UNLESS SEALED WITH THE SIGNINGS SURVEYORS EMBOSSED SEAL. DIMENSIONS SHOWN ARE PLAT AND MEASURED UNLESS OTHERWISE SHOWN. ELEVATIONS IF SHOWN ARE BASED UPON N.G.V.D. 1929 UNLESS OTHERWISE NOTED. THIS IS A BOUNDARY SURVEY UNLESS OTHERWISE NOTED. THIS BOUNDARY SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAME HEREON. THE CERTIFICATIONS DO NOT EXTEND TO ANY UNNAMED PARTIES.

PROPERTY ADDRESS:

10300 S.W. 70th AVENUE, PINECREST, FLORIDA, 33156

LEGAL DESCRIPTION:

LOT 10, BLOCK 4, OF "THIRD ADDITION TO KENDALL EAST", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 90, AT PAGE 49, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

CERTIFIED TO:

- JUAN ALBERTO MAZZINI
- VANESA MELINE LORI

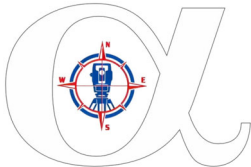
JOB NUMBER: 230355

ALL BEARINGS AND DISTANCES SHOWN HEREON ARE RECORD AND MEASURED UNLESS OTHERWISE NOTED.

FIELD DATE OF SURVEY	04-04-2023	FLOOD ZONE:	COMMUNITY:	PANEL:
BENCH MARK:	DOT BUS 26A	AE	120425	0466
ELEVATION:	12.86'	ELEVATION:	DATE OF FIRM:	SUFFIX:
		10.0'	09-11-2009	L

BOUNDARY SURVEY

DATE	DRAWN BY	SCALE
04-04-2023	I.C.	1"=20'
REVISION / UPDATE OF SURVEY		
DATE	DESCRIPTION	
N/A	N/A	



ALPHA C&N LAND SERVICES, LLC
BUSINESS LICENSE LB# 8426
5801 N.W. 2ND STREET, MIAMI, FL 33126
(305) 588-6779 (305) 336-1123
ALPHACNLANDSERVICES@GMAIL.COM

PEDRO L MARTINEZ

Digitally signed by PEDRO L MARTINEZ
Date: 2023.04.05 17:45:01 -04'00'

SIGNED FOR THE FIRM PEDRO LUIS MARTINEZ, L5 No 5443-STATE OF FLORIDA NOT VALID WITHOUT AN AUTHENTIC ELECTRONIC SIGNATURE AND AUTHENTICATED ELECTRONIC SEAL AND/OR THIS MAP IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A LICENSE SURVEYOR AND MAPPER.

VERIFICATION FORM

DATE:	April 2, 2024	BLDG PROCESS #:	M2024008996
VF#	24-2024-L-VF - 2675	INVOICE(S)#:	N00146863 N/A

THIS FORM EXPIRES ONE YEAR FROM THE DATE ON THE FORM

PROJECT NAME:	MAZZINI & MELINE RESIDENCE 10300 SW 70 AVE M2024008996
PROJECT/AGREEMENT NUMBER:	2024
PROJECT DESCRIPTION:	AN EXISTING 2,193 SQ FT SFR ADDING 229 SQ FT TOTALING 2,422 SQ FT UNDER A/C ON WATER ONLY AS PER CPP PLANS, PTXA , & CCB SP ID# 3018117804
IS THIS AN AFFORDABLE HOUSING PROJECT?	No

Folio	Address	Zip Code	Lot	Block	Proposed sq. ft.	Previous sq. ft.
2050020430100	10300 SW 70 AVE	33156	10	4	2,422	2,193
Connection Type	Reason for Connection Information	Critical Habitat	Wetlands	Affordable Housing	SIR Inspection #	
Water	Remodeling, Other	No	No	No	N/A	

THIS VERIFICATION LETTER CERTIFIES THAT AVAILABILITY OF A WATER AND/OR SEWER MAIN ONLY, AND IT DOES NOT GUARANTEE THE EXISTENCE OF A WATER SERVICE LINE, FIRE LINE OR OF A SEWER LATERAL WITH SUFFICIENT DEPTH TO SERVE THE PROPERTY. FOR ADDITIONAL INFORMATION EMAIL NEWBUSINESSSUPVLIST@MIAMIDADE.GOV. SHOULD IT BECOME NECESSARY TO INSTALL A SERVICE LINE AND/OR A SEWER LATERAL MDWASD REQUIRES THAT THE DEVELOPER RETAINS SERVICES FROM DESIGNERS AND CONTRACTORS WITH SKILL SETS FOR DESIGNING, BUILDING, AND CONNECTING TO PUBLIC WATER AND SEWER SYSTEMS. A WATER AND/OR SEWER AGREEMENT MAY BE REQUIRED. **AN INSPECTION FOR ANY EXISTING SERVICES WILL BE PROCESSED WITH THIS FORM, AND A SERVICE UPGRADE MAY BE REQUIRED WHICH MAY TAKE UP TO 12 WEEKS.**

THIS IS TO CERTIFY THAT THE MIAMI-DADE WATER AND SEWER DEPARTMENT **DOES HAVE** A(N) 6 INCH WATER MAIN AND/OR **DOES NOT HAVE** A(N) INCH GRAVITY SEWER MAIN ABUTTING THE SUBJECT PROPERTY.

Proposed Use	Square Footage/ # Units	Water Gallons Per Day	Sewer Gallons Per Day
SFR less than 3001 sqft (210 gpd/unit)	1	210	0
Previous Use	Square Footage/ # Units	Water Gallons Per Day	Sewer Gallons Per Day
2018 - SFR less than 3001 sqft (210 gpd/unit)	1	210	0

Water Service Area	WASD Water	Sewer Service Area	N/A
Net Water GPD	0	Net Sewer GPD	0
Net Water Cost (\$)	\$ 0.00	Net Sewer Cost (\$)	\$ 0.00
Water Basin Charge (\$)	No	Sewer Basin Charge (\$)	No
Total Connection Charges (\$)			\$ 0.00
Total Construction Connection Charges (\$) (accrues interest daily)			\$ 0.00
Construction Connection Charges Status			N/A

WE ARE WILLING TO SERVE THE SUBJECT PROPERTY, SUBJECT TO PROHIBITIONS, OR RESTRICTIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER MATTERS OF THE ANTICIPATED DAILY WATER AND/OR SEWAGE FLOW FOR THIS PROJECT WHICH WILL BE THE NUMBER OF GALLONS PER DAY INCREASE STATED ABOVE. IF **"WILL HAVE"**, UPON PROPER CONVEYANCE AND PLACEMENT INTO SERVICE OF WATER AND/OR SEWER FACILITIES BY THE DEVELOPER UNDER AGREEMENT IF APPLICABLE WITH THE DEPARTMENT. **FURTHERMORE, APPROVAL OF ALL SEWAGE FLOWS INTO THE DEPARTMENT'S SYSTEM MUST BE OBTAINED FROM D.E.R.M. SUBJECT TO RER'S TERMS AND CONDITIONS SET FORTH IN THE CONSENT DECREE (CASE NO. 1:12-CV-24400-FAM) OR DOH ONSITE SEWER TREATMENT & DISPOSAL SYSTEM RULES & STATUES.**

Fixed Fee Item	Price (\$)	Total Quantity	Total Fees (\$)
Verification Form - Residential (R-A) Water	30	1.00	30.00
Total Fixed Fee			\$ 30.00
Verification Form Total (\$)			\$ 30.00
Connection Charges Paid?			No

COMMENTS: Refunds are based on the payment date and are subject to State Statute 95-11. Some fees are not refundable.

CUSTOMER NAME: EDGARDO BETANCOURT	CUSTOMER PHONE:
Prepare by: Amber Brown	Approved by: Jose Villiers
Printed Name of Reviewer	Printed Name of Supervisor