qnsup

Esperanza Place - Casa Amigos Insubstantial Change to SDP08AR-13552 and PL20170002918

Owner/Developer:

Located in Immokalee, Collier County Section 32, Township 46 South, Range 29 East

# Brookwood Residential, LLC

19308 SW 380th St Florida City, FL 33034 Tel: 305.242.2142

ORDINANCE 08-28 AND ORDINANCE 2018-44 (PUDA) COLLIER COUNTY ZONING: ESPERANZA PLACE R PUD

COLLIER COUNTY FOLIO NUMBER:

FOLIO'S: 00076200106 & 00082967006 BROOKWOOD RESIDENTIAL LLC PO BOX 343529 FLORIDA CITY, FL 33034

FOLIO: 00082967103 NAPLES, FL 34104

PO BOX 343529 FLORIDA CITY, FL 33034

305.242.2142

THE WEST 264.70 FEET OF THE EAST 1058.10 FEET OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, OF SECTION 32, TOWNSHIP 46 SOUTH, RANGE 29 EAST, COLLIER COUNTY, FLORIDA, LESS THE SOUTH 30.00 FEET THEREOF FOR ROAD RIGHT-OF-WAY. CONTAINING 7.90 ACRES. PLUS OR MINUS.

#### TOGETHER WITH

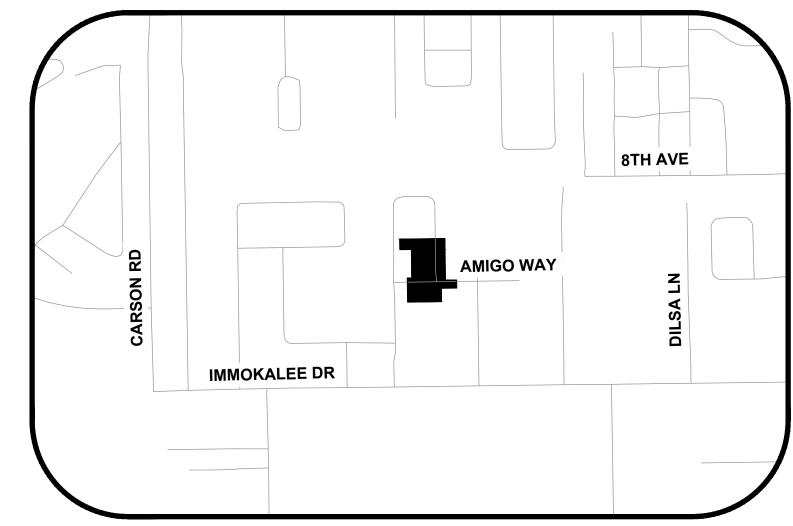
#### OR 4242 PG 2470

A PARCEL OF LAND LOCATED IN SECTION 32, TOWNSHIP 46 SOUTH, RANGE 29 EAST, COLLIER COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

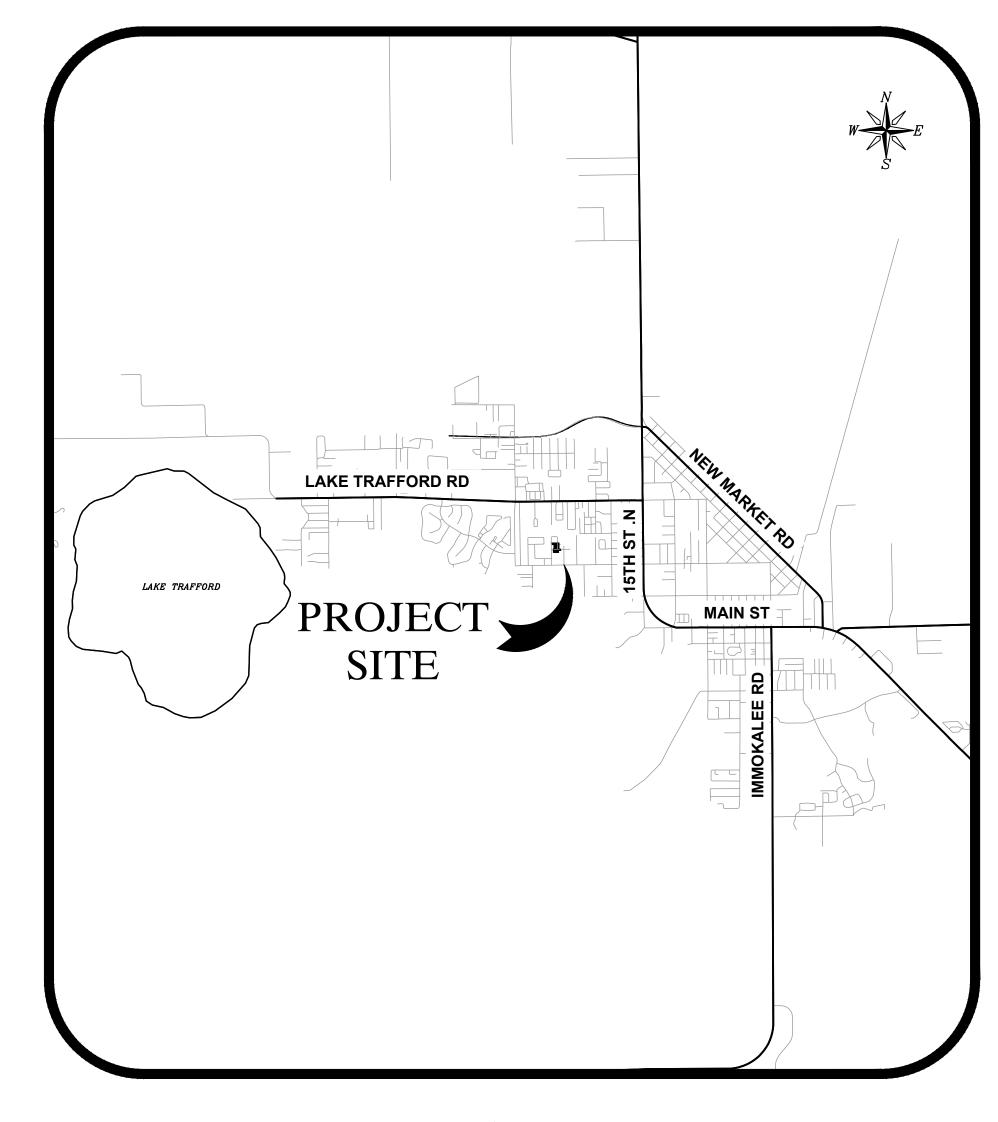
THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 32, TOWNSHIP 46 SOUTH, RANGE 29 EAST, ALL LYING AND BEING IN COLLIER COUNTY, FLORIDA, LESS AND EXCEPT THE EAST 1,058.80 FEET THEROF AND THE SOUTH 30.00 FEET FOR ROAD RIGHT OF WAY, CONTAINING 7.92 ACRES, MORE OR LESS.

#### 5142 PG 2771, 5228 PG 3258

32 46 29 SE 1/4 OF SW 1/4 LESS S 30FT + LESS E 1058.8 FT, AND LESS THAT PORTION OF LAND AS DESCRIBED IN OR 5142 PG 2771, LESS THAT PORTION AS DESCRIBED IN OR 5228 PF 3258



Vicinity Map



# Location Map

# Prepared by:



Q. Grady Minor and Associates, P.A. 3800 Via Del Rey Bonita Springs, Florida 34134

Civil Engineers • Land Surveyors • Planners Bonita Springs: 239.947.1144

www.GradyMinor.com

• Landscape Architects **Business LC 26000266** Fort Myers: 239.690.4380

# Index of Sheets Sheet Description

BID SET

COVER SHEET AND INDEX OF DRAWINGS

SITE AND SIGNAGE PLAN

GRADING. PAVING AND DRAINAGE PLAN

**UTILITY PLAN** 

CROSS SECTION AND DETAILS

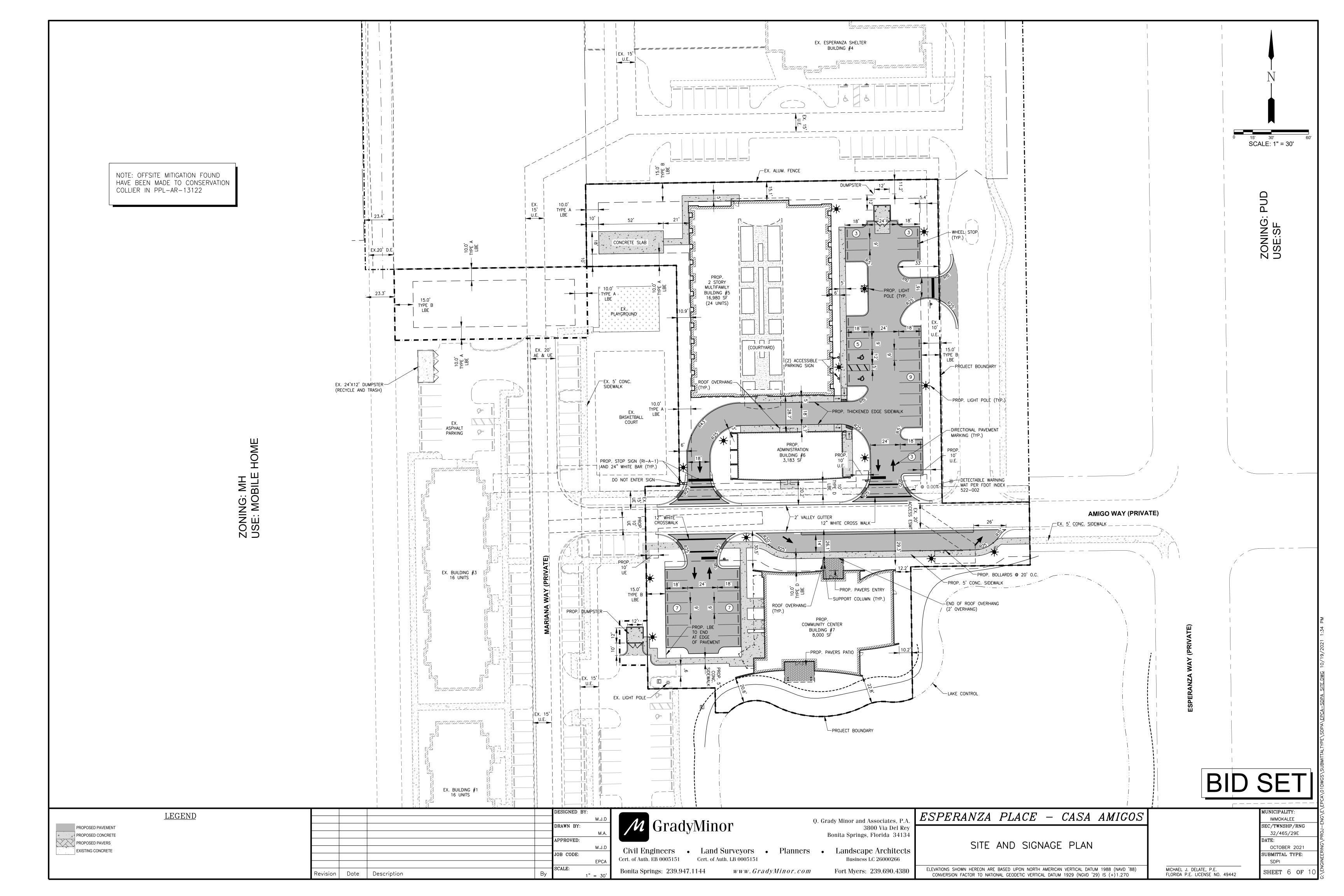
# **BUILDING SUMMARY**

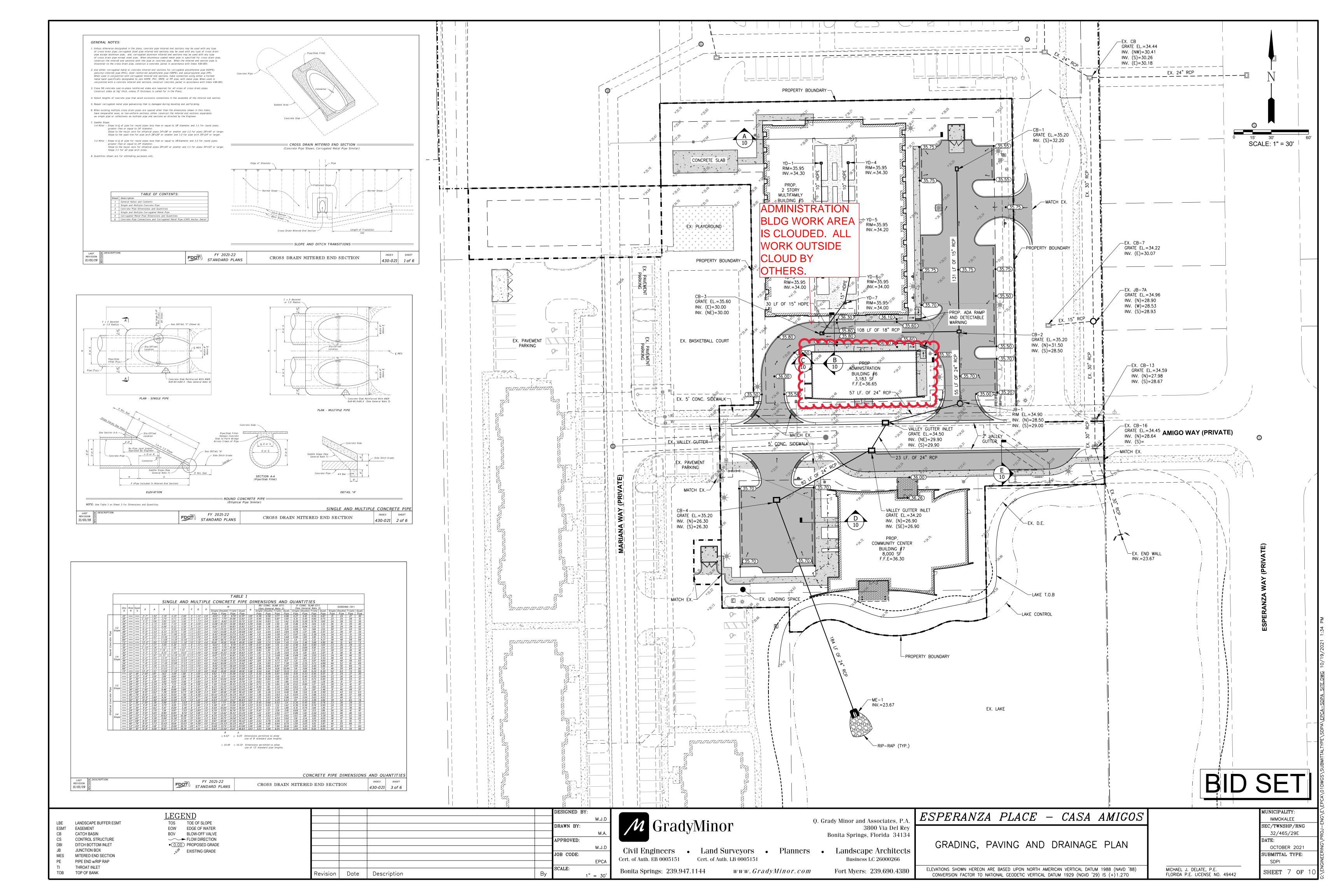
USE	LDC SECTION 1.08.02	LDC SECTION 4.05.04.B.1	FBC502	TYPE OF CONSTRUCTION	SPRINKLERED	LOAD OCCUPANCY	OCCUPANCY CLASSIFICATION
BUILDING #5	19,990 SF	16,980 SF	20,754 SF	III (B)	YES	96	RESIDENTIAL
BUILDING #6	3,133 SF	3,133 SF	3,133 SF	III (B)	YES	21	BUSINESS/LEASING
BUILDING #7	8,098 SF	8,000 SF	8,251 SF	III (B)	YES	250	ASSEMBLY

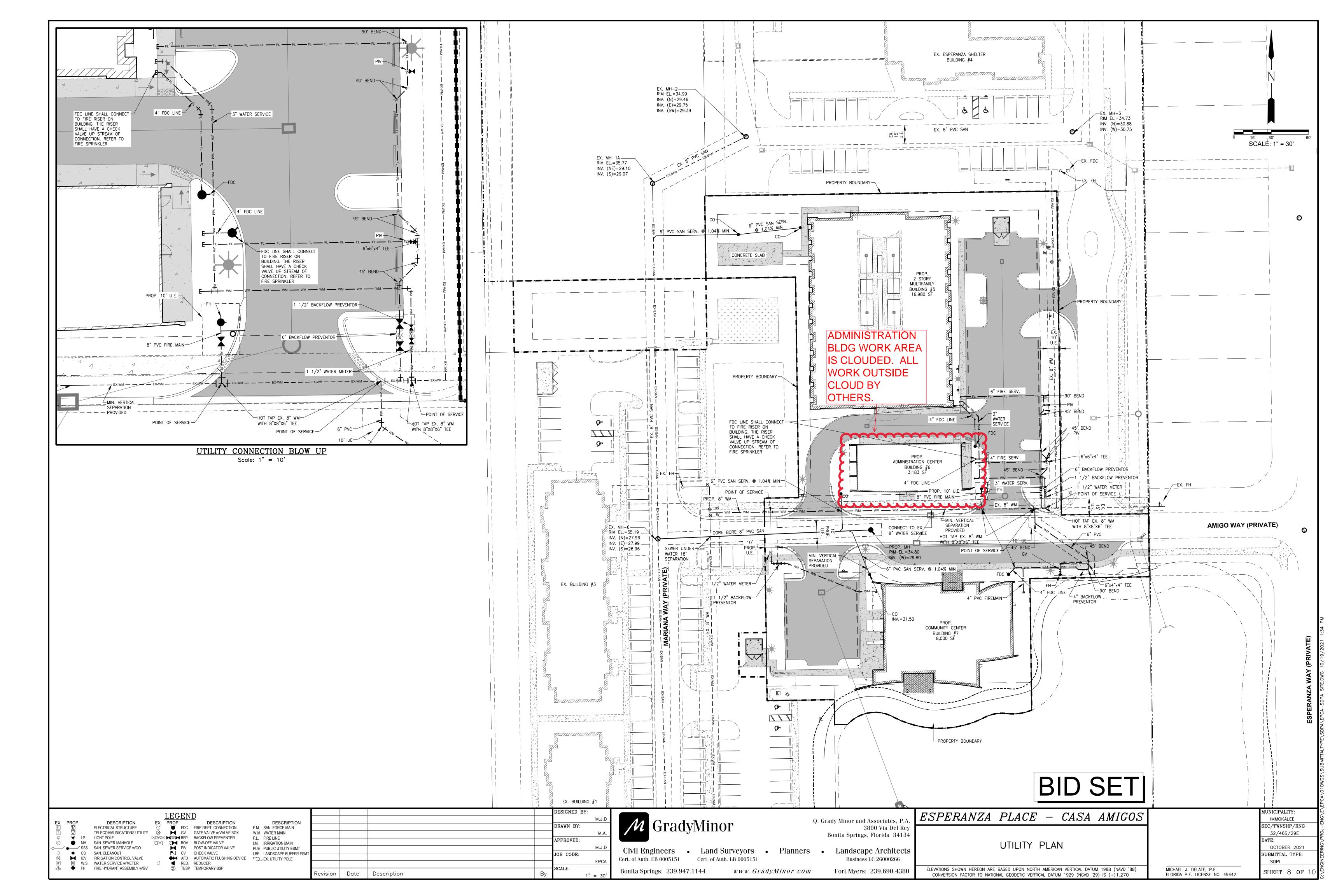
#### Revisions

Revision	Date	Description	Ву

MICHAEL J. DELATE, P.E. Q. GRADY MINOR & ASSOC., P.A. 3800 VIA DEL REY BONITA SPRINGS, FL 34134 FLORIDA P.E. LICENSE NO. 49442 EB/LB 0005151







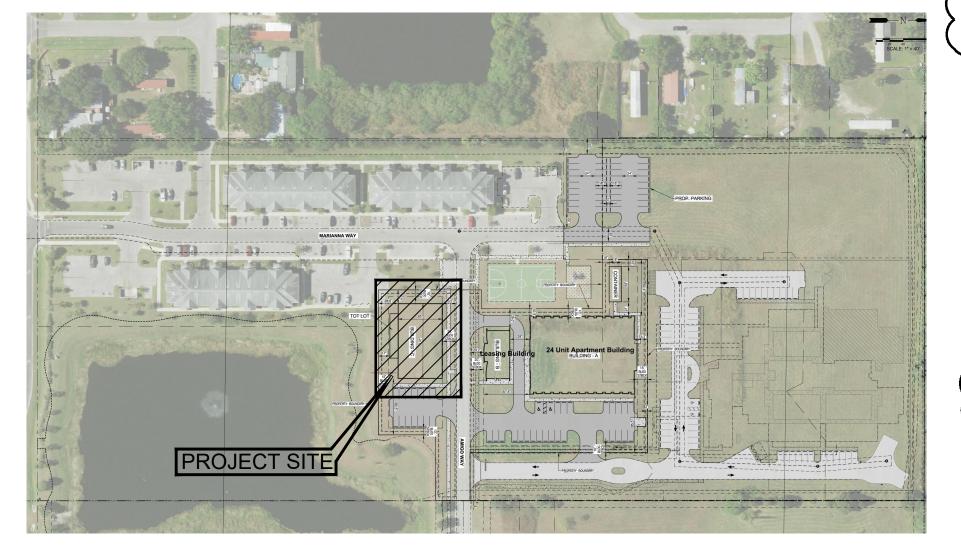
# CASA DE AMIGOS COMMUNITY CENTER / OFFICE Immokalee, Florida

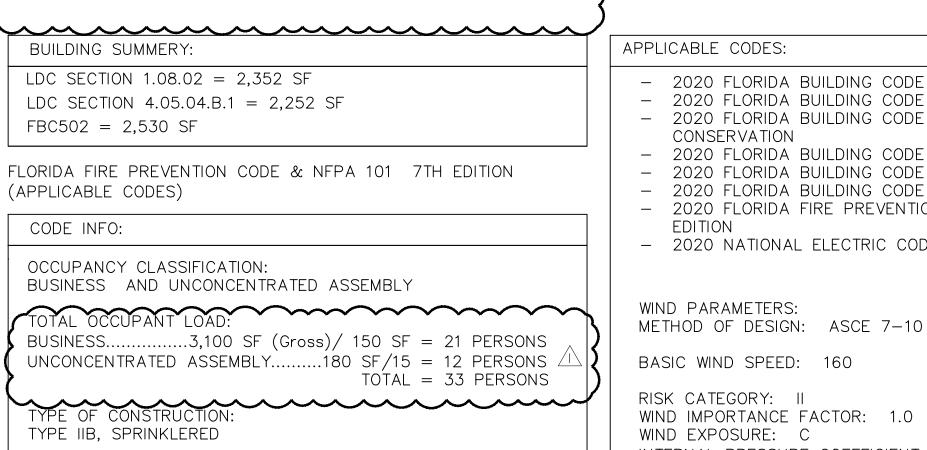


Developer: Rural Neighborhoods

Location Address: 2687 Amigo Way, Immokalee FL. 34142

Building # 6





#### APPLICABLE CODES:

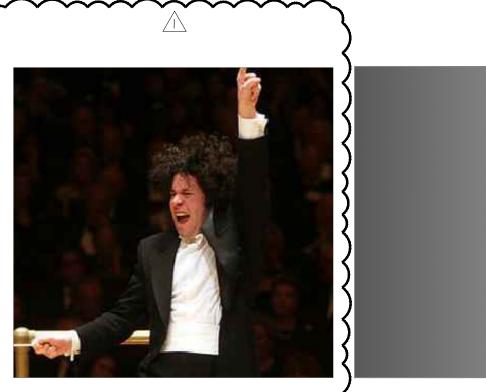
- 2020 FLORIDA BUILDING CODE 7TH EDITION: BUILDING
   2020 FLORIDA BUILDING CODE 7TH EDITION: ACCESSIBILITY - 2020 FLORIDA BUILDING CODE 7TH EDITION: ENERGY CONSERVATION
- 2020 FLORIDA BUILDING CODE 7TH EDITION: FUEL GAS
   2020 FLORIDA BUILDING CODE 7TH EDITION: MECHANICAL
- 2020 FLORIDA BUILDING CODE 7TH EDITION: PLUMBING - 2020 FLORIDA FIRE PREVENTION CODE & NFPA 7TH 2020 NATIONAL ELECTRIC CODE 2020 EDITION

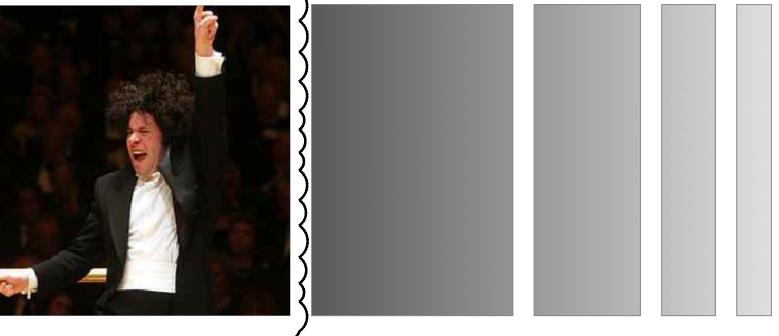
WIND PARAMETERS:

BASIC WIND SPEED: 160

RISK CATEGORY: II WIND IMPORTANCE FACTOR: 1.0 WIND EXPOSURE: C

INTERNAL PRESSURE COEFFICIENT 0.18(ENCLOSED)





# **Index of Drawings**

#### Architecture

**Ted Hoffman Architect** 863 673 6814 thoff44@gmail.com

A-0 General Notes

A-1 Site Plan A-2 Floor Plan & Reflected Ceiling Plan

A-3 Roof Plan

A-4 Exterior Elevations

A-5 Building Sections A-6 Interior Elevations

A-7 Wall Types A-8 Schedules and Details

A-9 Floor Finishes

#### Mechanical, Electrical, Plumbing

Wadsworth O'Neal Associates, Inc. 239 245 8728 terry@wadsworthoneal.com

20-105	INDEX	
Sheet No.	Sheet Title	Scale
M0.01	Schedules	No Scale
M0.02	Details	No Scale
M1.00	First Floor Plan - Overall	1/4"=1'-0"
M3.00	Roof Plan	1/4"=1'-0"
E0.01	Electrical Cover Sheet and Riser Diagram	No Scale
E0.02	Electrical Site Plan	3/32"=1'0"
E1.00	Leasing Office Electrical Plans	1/4"=1'-0"
P0.01	Plumbing Schedules	No Scale
P0.02	Plumbing Details	No Scale
P1.00	First Floor Drainage & Domestic Water	1/4"=1'-0"
P2.00	Roof Level Drainage & Sanitary Isometric	As Noted

#### Structural Engineer

Liebel & Barrow Engineering, Inc. 239 936 7557 Ibengineer.com Fort Meters, FL.

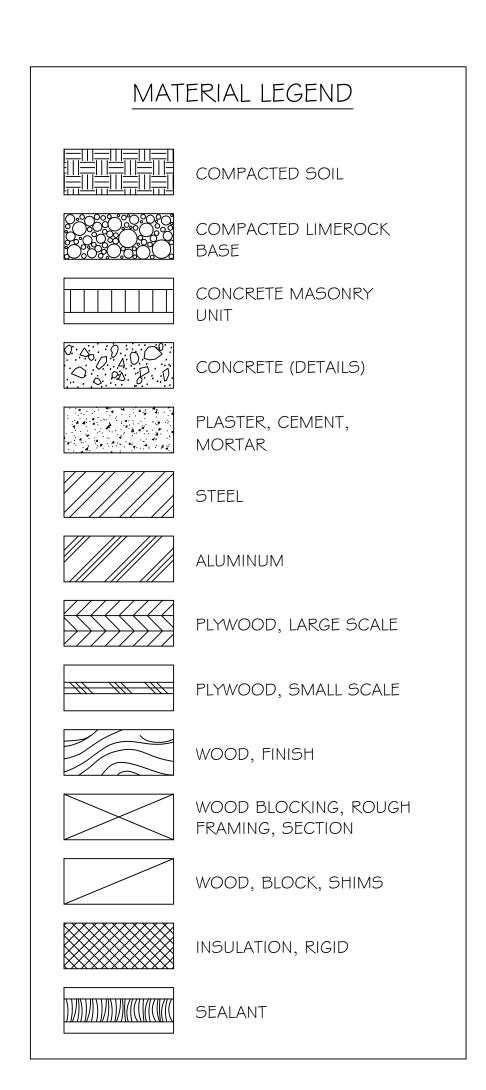
S1.0 Notes S2.0 Details

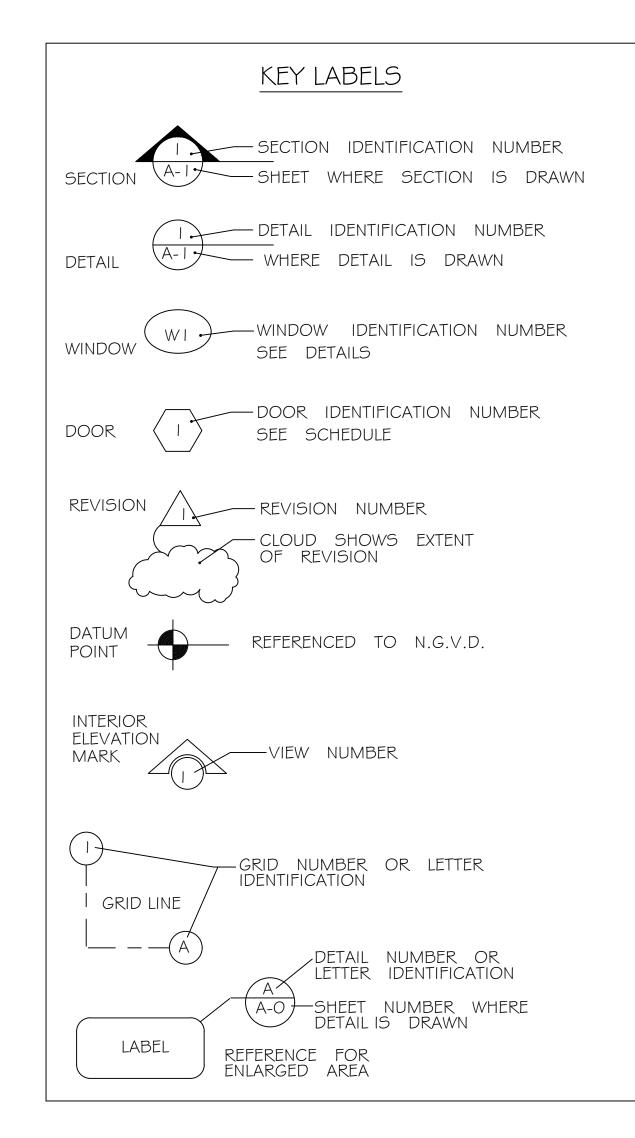
S3.0 Foundation & Roof Framing Plans

S4.0 Details



PERMIT SET (REV. 1)





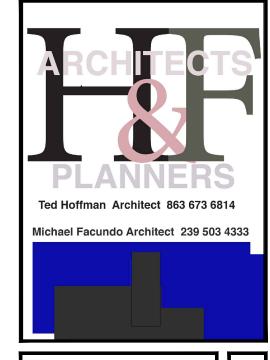
#### GENERAL NOTES

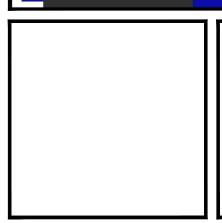
- I. THE GENERAL CONTRACTOR SHALL CHECK, REVIEW AND VERIFY ALL PLANS, DIMENSIONS AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF WORK. WHEN IN THE OPINION OF THE CONTRACTOR, A DISCREPANCY EXISTS, HE SHALL PROMPTLY REPORT IT IN WRITING TO THE ARCHITECT AND ENGINEER FOR CLARIFICATION, BEFORE PROCEEDING WITH THE WORK.
- 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF HIS WORK WITH THE OTHER CONTRACTORS, THE GOVERNING AGENCIES AND/OR UTILITY COMPANIES. THE GENERAL CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF ANY PORTION OF THE PROJECT WITH ALL CONTRACTORS AND APPLICABLE AGENCIES IN ATTENDANCE.
- 3. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
- 4. THE GENERAL NOTES AND TYPICAL DETAILS APPLY THROUGHOUT THE JOB UNLESS OTHERWISE NOTED OR SHOWN.
- 5. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWING, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED.
- 6. ALL WORK SHALL BE PERFORMED WITH CURRENT CODES OF GOVERNMENT JURISDICTION AND ALL OTHER APPLICABLE CODES RELATIVE TO EACH TRADE, INCLUDING THE FOLLOWING:

  A. FLORIDA BUILDING CODE 2017

B. MUNICIPAL ADDITIONS PRIOR TO PERMIT APPLICATION

- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD FIT AND QUALITY OF WORK. NO ALLOWANCE SHALL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS PART.
- 8. CONTRACTOR SHALL COOPERATE WITH OTHER SUBCONTRACTOR ON THE SITE AND WITH THE OWNER TO ASSURE EXPEDIENT COMPLETION OF WORK
- 9. THE CONTRACTOR SHALL THOROUGHLY EXAMINE SITE AND SATISFY HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VERIFY AT THE SITE ALL MEASUREMENTS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. ANY DIFFERENCE FOUND SHALL BE REPORTED TO THE ARCHITECT IN SUFFICIENT TIME FOR HIS CONSIDERATION AND DIRECTION BEFORE PROCEEDING WITH THE WORK INVOLVED. NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR THE EXPENSE DUE TO HIS NEGLECT TO EXAMINE OR FAILURE TO DISCOVER CONDITIONS WHICH AFFECT HIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS, PIPING, LOCATIONS, ETC. AND THOSE INDICATED ON DRAWINGS.
- 10. THE GENERAL CONTRACTORS SHALL BE LICENSED IN THE STATE OF FLORIDA.
- II. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF WORK, PAYMENT OF ALL APPLICABLE FEES, REQUESTING AND COORDINATION OF BUILDING DEPARTMENT INSPECTIONS AND APPROVALS IN ALL FIELDS OF HIS WORK, AND OBTAINING OF A FINAL CERTIFICATE OF OCCUPANCY.
- I 2. BEFORE COMMENCING WITH ANY WORK, THE GENERAL CONTRACTOR SHALL FILE WITH THE OWNER EVIDENCE OF INSURANCE WHICH SHALL CONTAIN ENDORSEMENTS AS REQUIRED BY THE LANDLORD. IT IS THE INTENTION OF THE PARTIES THAT THE GENERAL CONTRACTOR SHALL INDEMNIFY THE OWNER, TENANT AND ARCHITECT FOR ANY AND ALL COSTS CLAIMS, SUITS, AND JUDGMENTS FOR FOR PROPERTY DAMAGE AND PERSONAL INJURY (INCLUDING DENTAL), RESULTING FROM HIS WORK.
- I 3. THE CONTRACTOR SHALL RESTORE TO SATISFACTORY CONDITION ALL NEW AND EXISTING CONSTRUCTION WORK AND OTHER IMPROVEMENTS THAT MAY HAVE BEEN DAMAGED AS A RESULT OF CONTRACTOR OPERATIONS.
- 14. IF ANY ERROR OR CONFLICT SHOULD APPEAR IN THE CONTRACT DRAWINGS OR SPECIFICATION, THE CONTRACTOR SHALL BEFORE PROCEEDING WITH THE WORK IN QUESTION AND BEFORE SUBMITTING BID, NOTIFY THE ARCHITECT AND REQUEST AN INTERPRETATION OR CLARIFICATION IN WRITING
- I 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY DURING DEMOLITION AND CONSTRUCTION. HE SHALL BE FAMILIAR WITH AND BE RESPONSIBLE FOR ADHERENCE TO ALL WORKERS ON THE PROJECT.
- 16. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATION, AND SUBMIT A PROGRAM FOR SECURITY OF PROJECT AND SHALL BE RESPONSIBLE FOR DISCIPLINE OF ALL WORKERS ON THE PROJECT.
- 17. ALL TRADES, I.E., MECHANICAL, ELECTRICAL, PLUMBING, SHALL COMPLY AND CONFORM WITH THE LOCAL CODES HAVING JURISDICTION.
- 18. ARCHITECT IS NOT RESPONSIBLE FOR CHANGES OR ADDITIONS TO THE WORK UNLESS SO AUTHORIZED BY HIM IN WRITING.
- 19. UPON THE COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL TEMPORARY WORK.
- 20. ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDERS RULES, CODE REQUIREMENTS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE CONSTRUCTION WORK IN THE LOCALITY OF THE PROJECT SHALL GOVERN THE WORK OF THE CONTRACT.
- 21. ALL WORK AND/OR MATERIAL SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S OR INDUSTRIES RECOMMENDATIONS OR
- 22. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER, MATCHING AND ALIGNING ALL SURFACES WHERE APPLICABLE TO AFFORD A FINISHED NEAT APPEARANCE. THE CONTRACTOR SHALL CLEAN ALL SURFACES OF ALL DIRT AND REFUSE CAUSED BY DEBRIS FROM INSTALLATION TECHNIQUES OF EACH TRADE. ADJACENT EXISTING SURFACES SHALL BE LEFT AS THEY APPEAR PRIOR TO THE COMMENCEMENT OF THE WORK.
- 23. ALL MATERIALS USED IN THE INTERIOR OF THE PROJECT MUST MEET THE FLAME SPREAD RATING AS SET FORTH IN THE FLORIDA BUILDING CODE. PROOF OF THESE RATINGS MUST BE INCLUDED AS PART OF THE FINAL INSPECTION PRIOR TO THE ISSUANCE OF A CERTIFICATE OCCUPANCY. (APPLIES TO TENANT IMPROVEMENT DOCUMENTS ONLY)
- 24. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL TRADES AND WORK, INCLUDING SCHEDULING OF WORK UNDER SEPARATE CONTRACT.
- 25. ALL MATERIALS FURNISHED AND INCORPORATED IN THE WORK SHALL BE NEW, UNUSED, AND OF QUALITY AND CHARACTERISTICS SPECIFIED HEREIN. IF THE QUALITY AND CHARACTERISTICS OF CERTAIN MATERIALS ARE NOT SPECIFICALLY SET FORTH HEREIN, MATERIALS USED SHALL BE THAT CUSTOMARILY USED IN FIRST CLASS WORK OF SIMILAR NATURE AND CHARACTER. THE GENERAL CONTRACTOR SHALL GUARANTEE IN WRITING IN FORM ACCEPTABLE TO THE OWNER ALL LABOR AND MATERIALS TO BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (I) YEAR FROM THE DATE OF COMPLETION THEREOF. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF CORRECTION OF SUCH DEFECTS, SUCH COST SHALL INCLUDE ALL EXPENSES AND DAMAGES RESULTING FROM SAID DEFECTS. THESE GUARANTEES AND WARRANTIES SHALL INSURE TO THE BENEFIT OF THE OWNER.
- 26. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE JOB SITE SO AS TO MEET IN ALL RESPECTS THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT, OSHA. THIS PROGRAM SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. TO THIS END, THE CONTRACTOR SHALL INFORM HIMSELF AND HIS REPRESENTATIVES OF OSHA STANDARDS.
- 27. THE WORK INCLUDES DUST CONTROL AS REQUIRED TO ABATE ANY DUST NUISANCE ON OR ABOUT THE SITE WHICH AS THE RESULT OF CONSTRUCTION ACTIVITIES.
- 28. WITHIN 10 DAYS OF NOTICE OF PROCEED WITH THE CONSTRUCTION, CONTRACTOR SHALL SUBMIT CONSTRUCTION SCHEDULE TO THE OWNER.
- 29. IMMEDIATELY UPON OBTAINING BUILDING PERMIT, NOTIFY ARCHITECT IN WRITING OF ALL CORRECTIONS REQUIRED BY THE BUILDING DEPARTMENT.
- 30. THE ARCHITECT AND/OR THE OWNER DO NOT ASSUME ANY RESPONSIBILITY AT ANY TIME WHATSOEVER FOR THE PROTECTION OF THE BUILDING AND PREMISES OR LOSS OF MATERIALS FROM THE TIME THE CONTRACT OPERATIONS HAVE COMMENCED UNTIL THE FINAL ACCEPTANCE OF THE WORK. IF WATCHMAN SERVICE IS DEEMED NECESSARY, SUCH PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AND ALL COSTS THEREFOR SHALL BE PAID FOR BY THE CONTRACTOR.





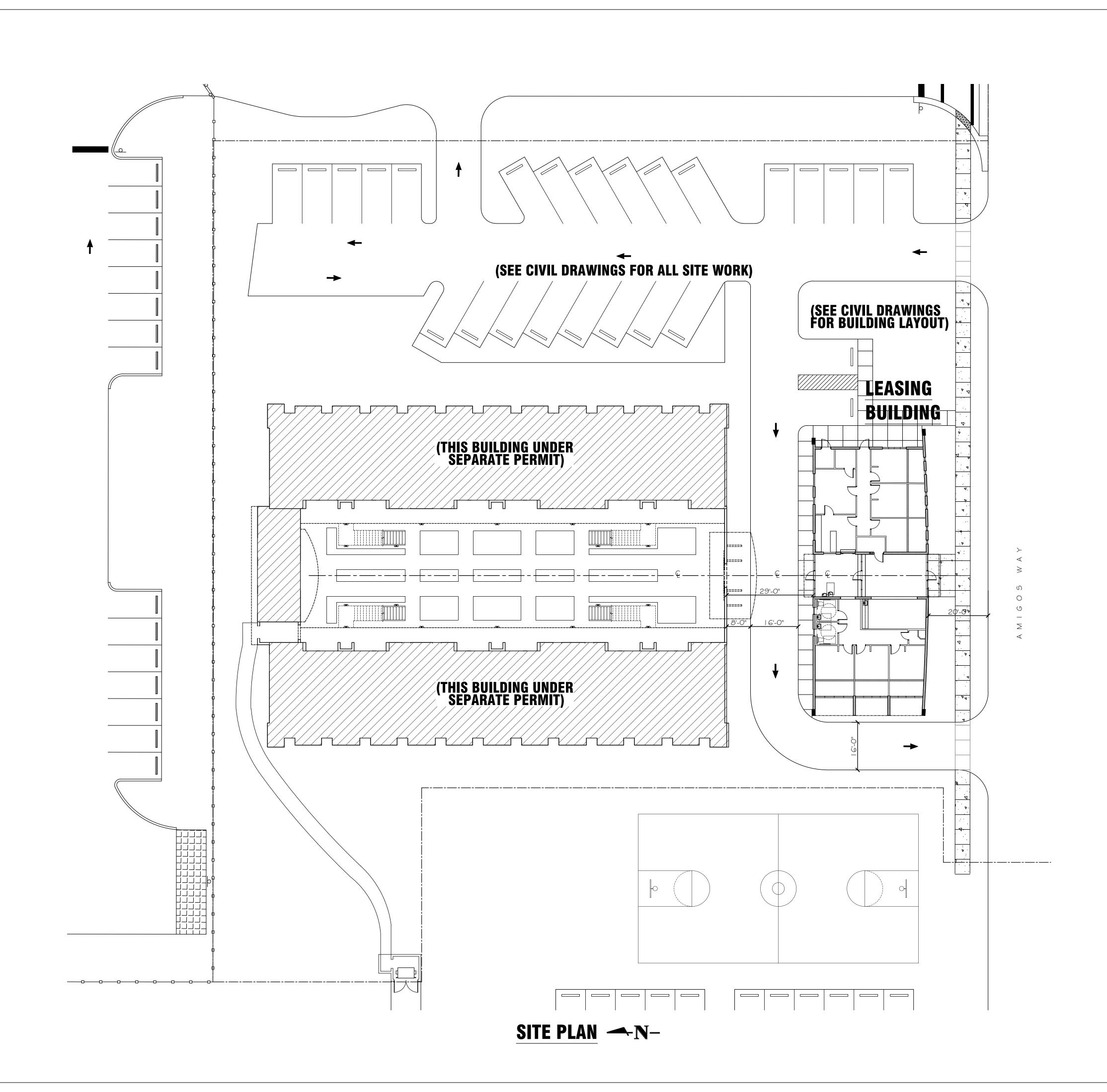
CASA DE AMIGOS COMMUNITY CENTER / OFFICI IMMOKALEE, FLORIDA

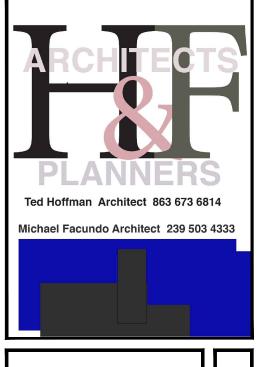


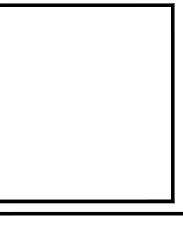
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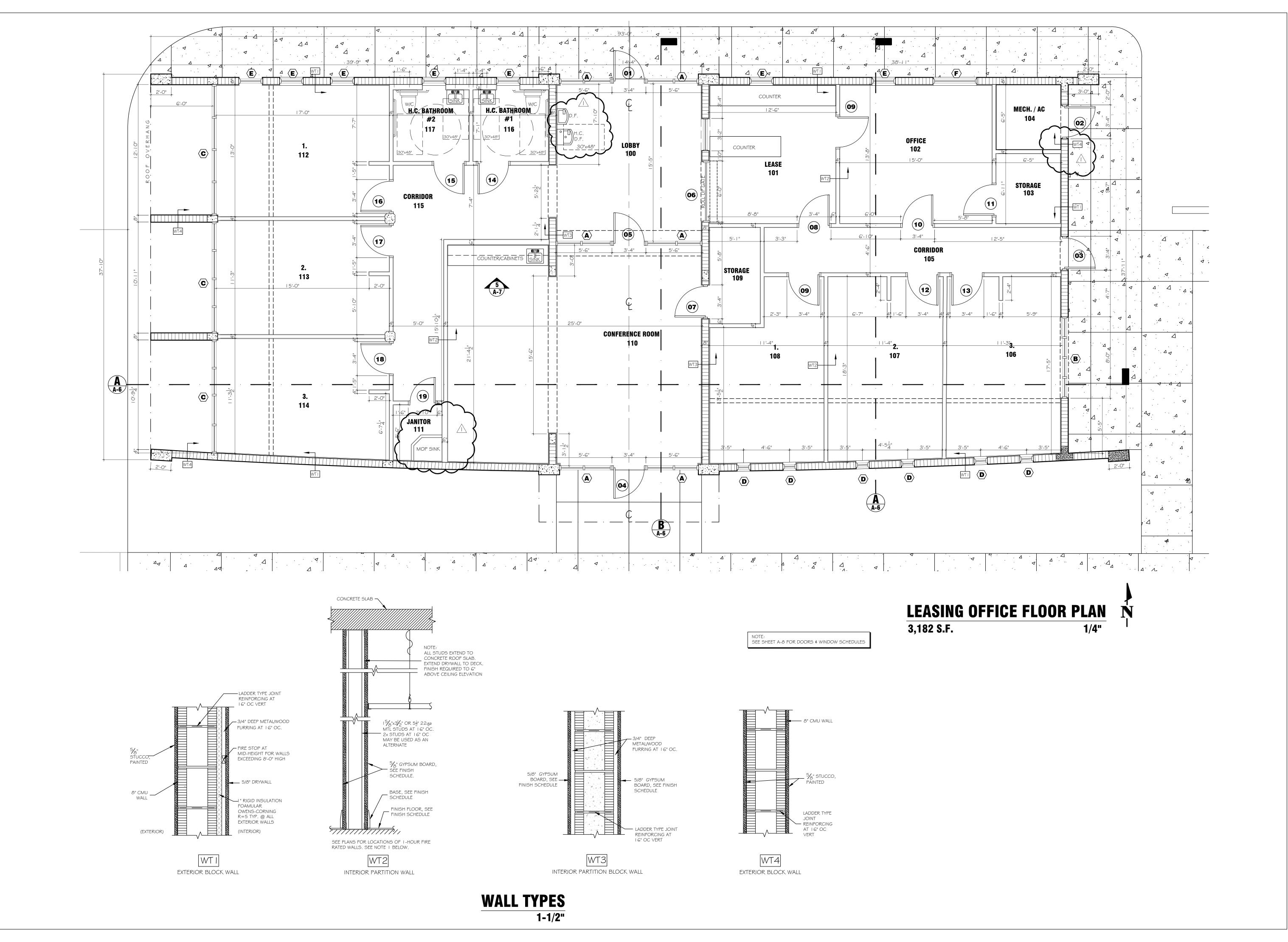
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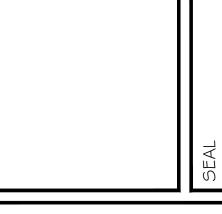
SITE PLAN

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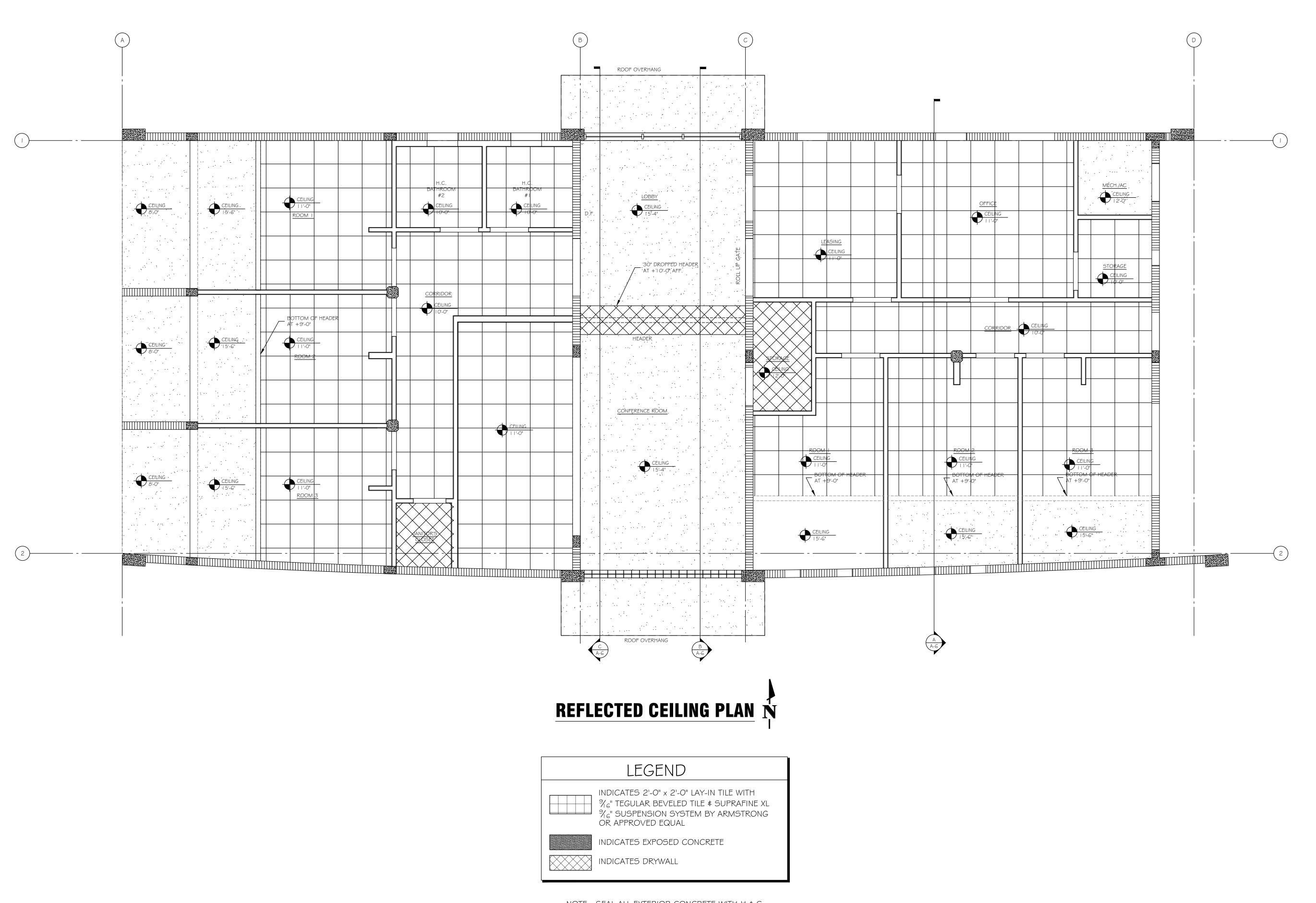
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**FLOOR PLAN** 

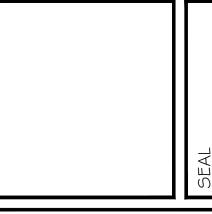
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NOTE: SEAL ALL EXTERIOR CONCRETE WITH H & C CONCRETE SEALER (NATURAL LOOK)





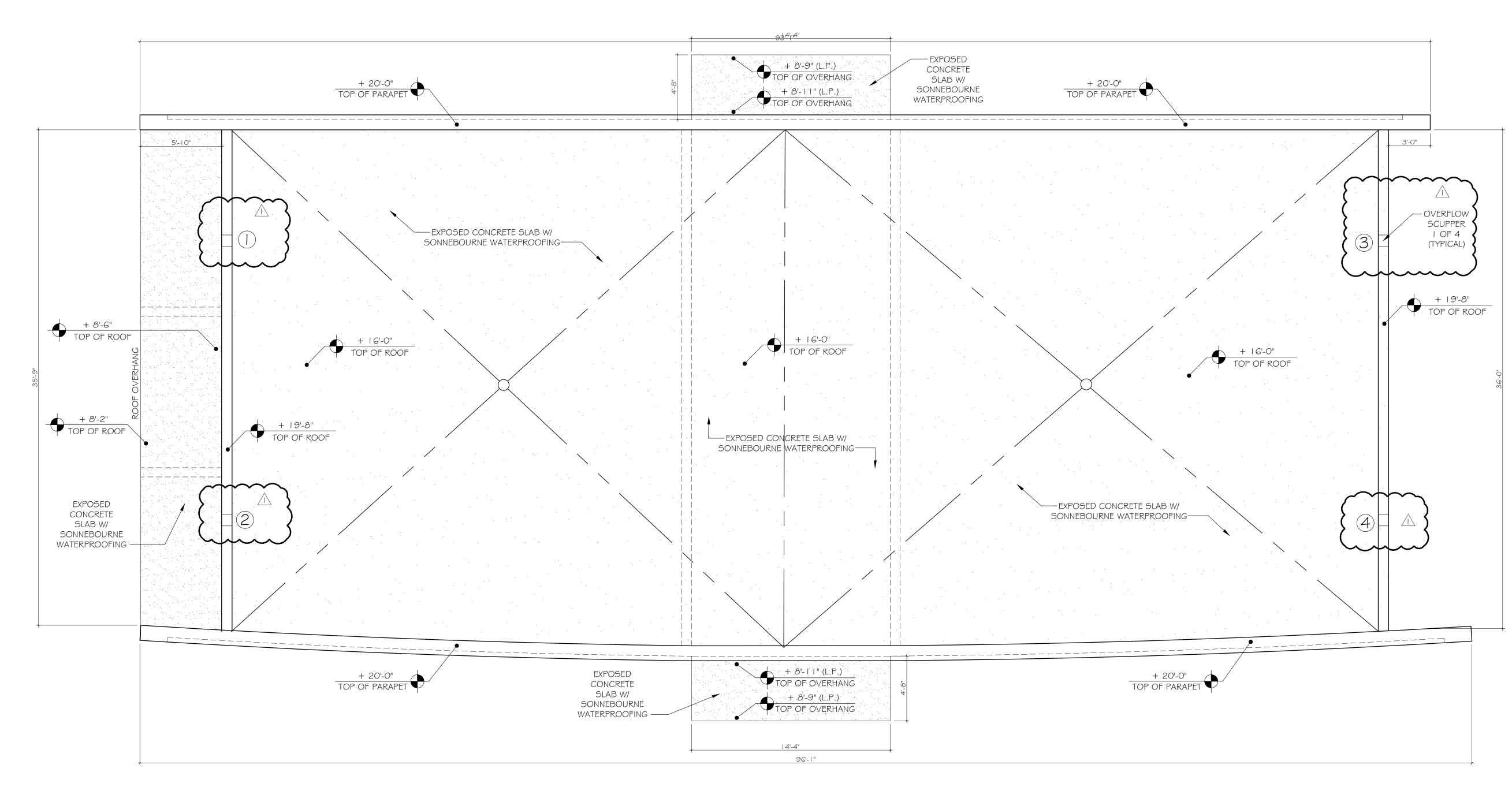
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# REFLECTED CEILING PLAN

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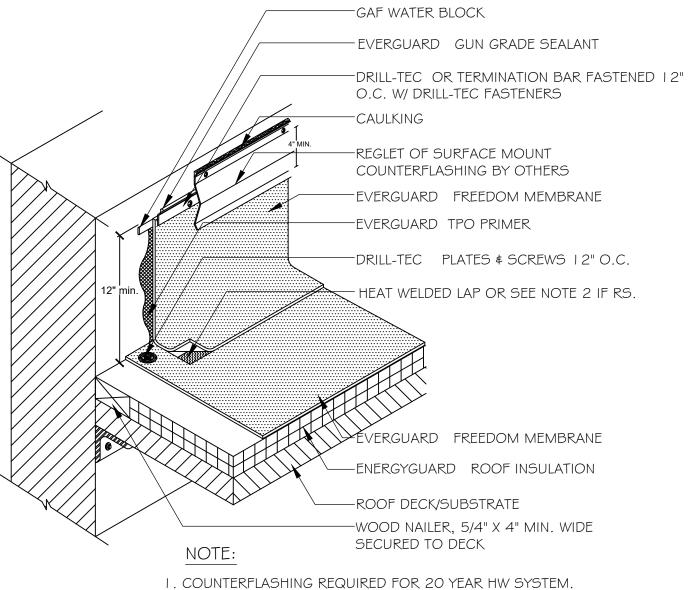
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ROOFING SPECIFICATION: GAF EVERGUARD TPO 60 MIL SINGLE-PLY MEMBRANE OVER 3" MIN. ENERGY GUARD POLISO INSULATION BRAD (FULLY ADHERED). GENERAL CONTRACTOR SHALL PROVIDE MANUFACTURES DATA, INSTRUCTIONS AND INFORMATION TO PROVIDE A 20 YEAR WARRANTY.

#### EXPOSED CONCRETE ROOFING ROOF / OVERHANG LANCO 3-PONTI SYEM

- 1. AS 210 PRIMER 2. AQUA - PROOF MD863
- 3. 100% COOLQUARD RC-3760
- APPLY IN STRICT ACCORDANCE WITH MANUFACTURERS PUBLISHED INSTRUCTIONS.

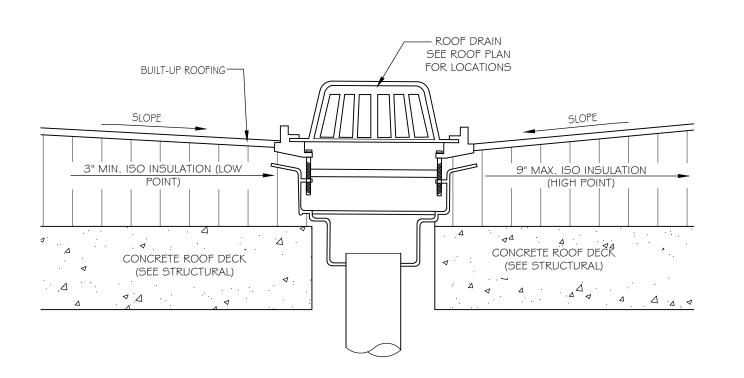


- I. COUNTERFLASHING REQUIRED FOR 20 YEAR HW SYSTEM.
- 2. APPLY EVERGUARD TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES AND ALL OTHER RS SEAMS ( REFER TO DETAIL FD | 15 ).

## **EVERGUARD PARAPET WALL FLASHING**

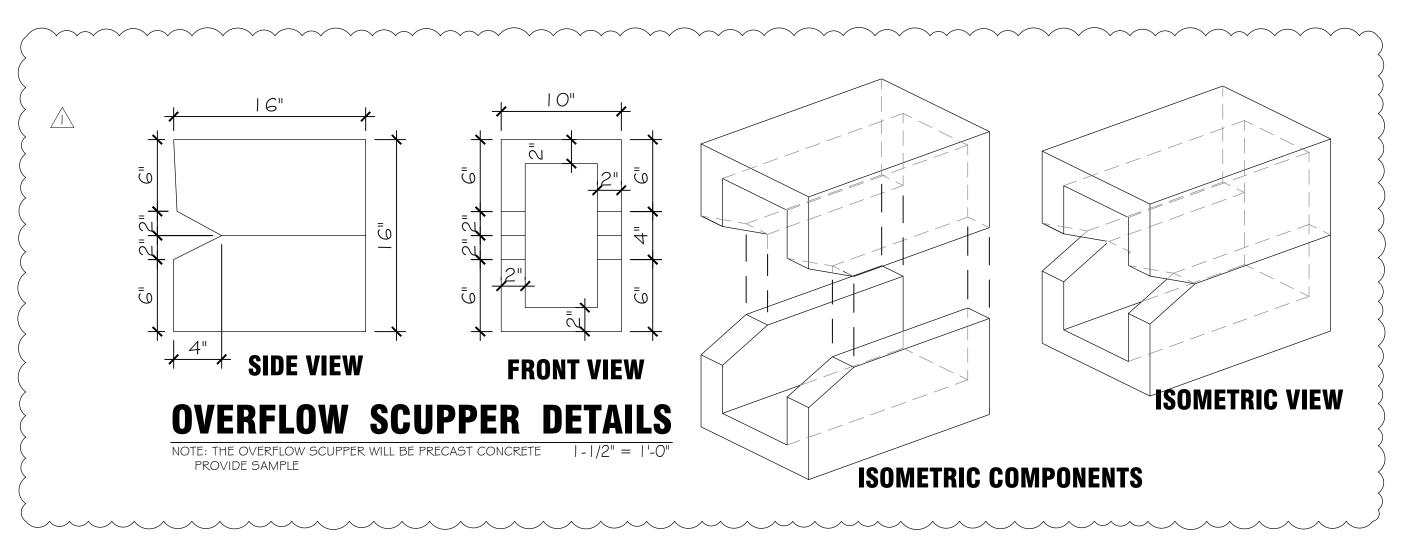
#### NOTE:

PROVIDE TAPERED INSULATION PLAN TO PROVIDE AVERAGE R VALVE OF 19. SHOW SLOPE DIAGRAMS \$ ALL DETAILS OF ATTACHMENT, CONNECTIONS & MATERIAL SPECIFICATIONS.

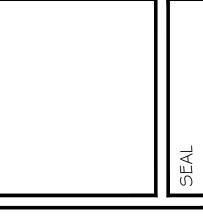


# **ROOF DRAIN**

# ROOF PLAN **Z**







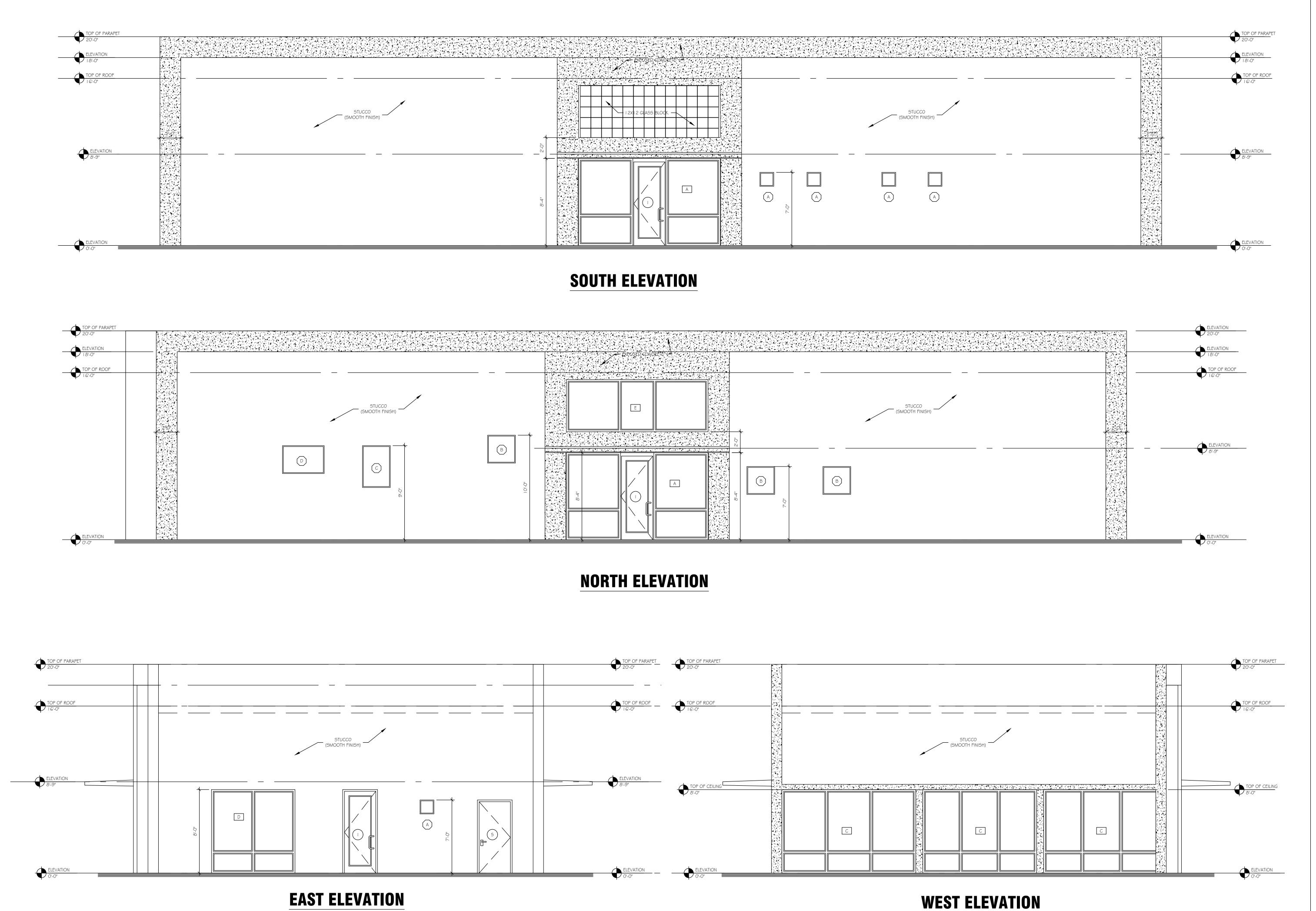
SENTER / OFFICE EE, FLORIDA **AMIGOS** COMMUNITY CENIMMOKALEE, DE CASA



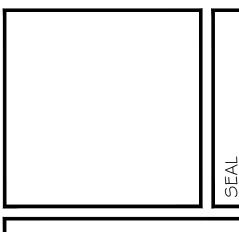
# **ROOF PLAN**

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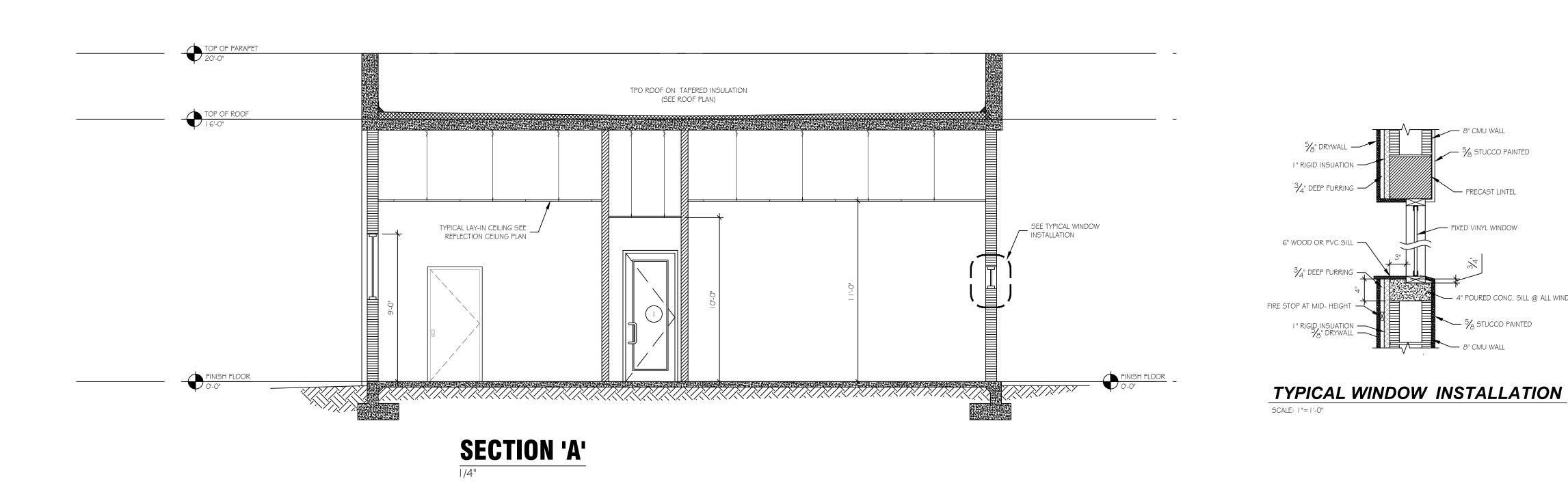
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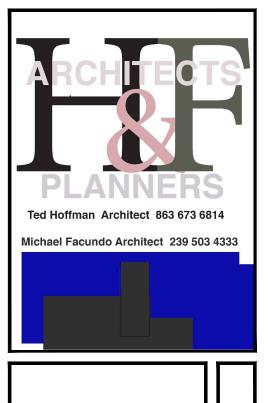


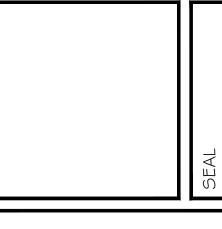
EXTERIOR ELEVATIONS

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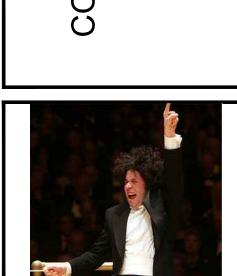






COMMUNITY CENTER / OFFICE IMMOKALEE, FLORIDA

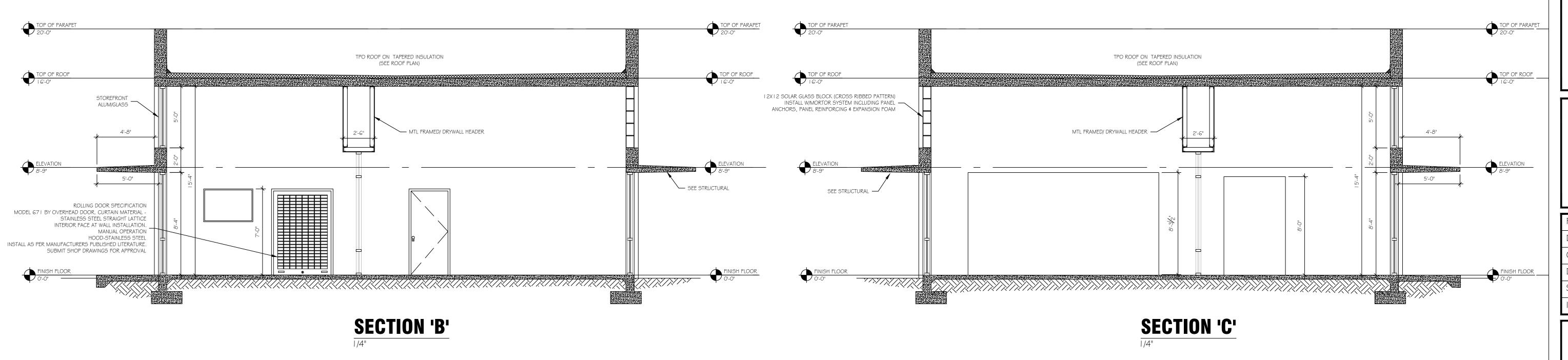
- 5/2 STUCCO PAINTED

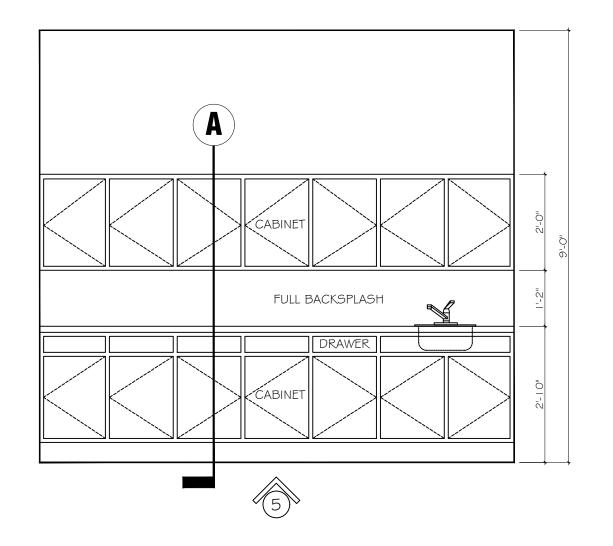




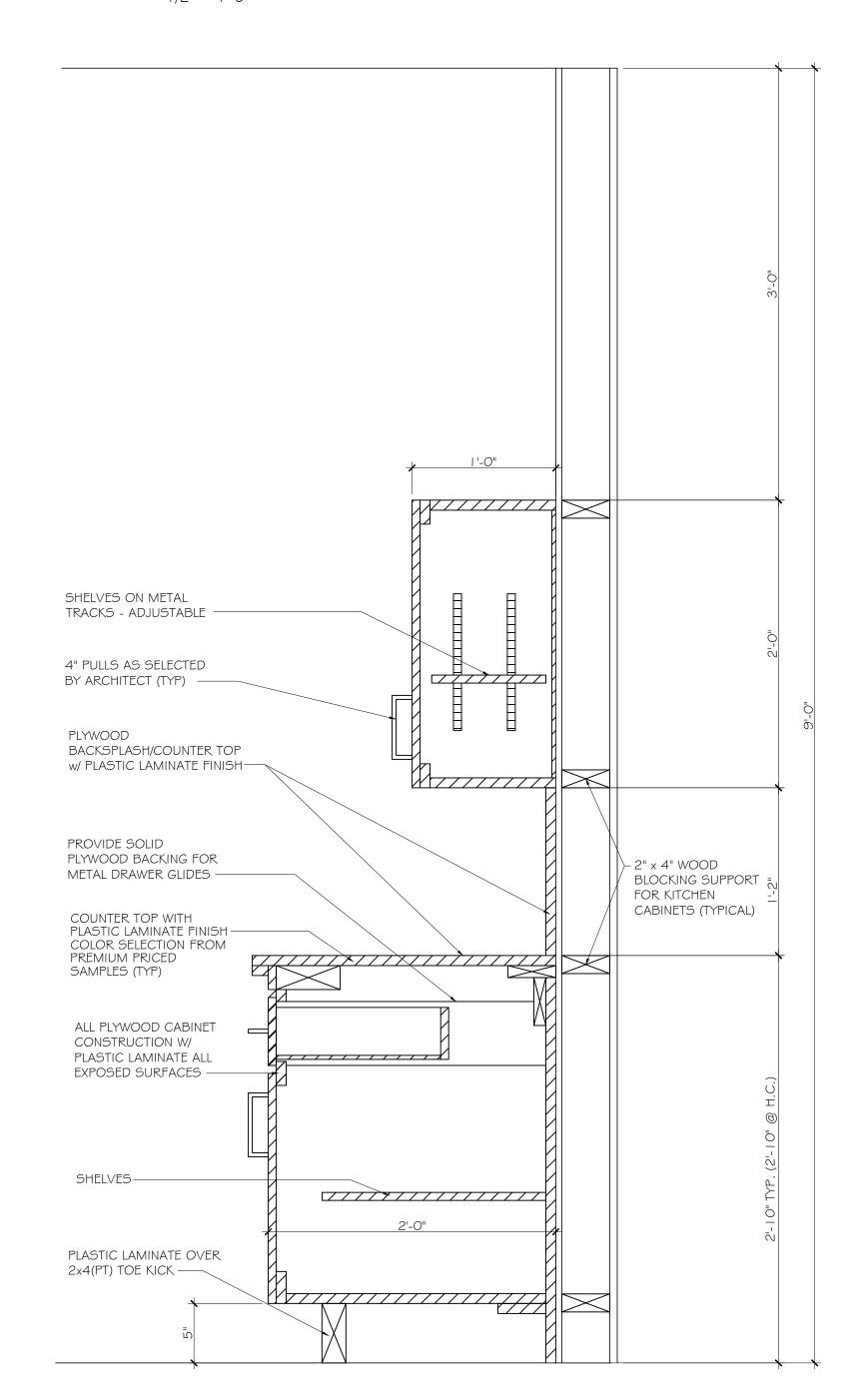
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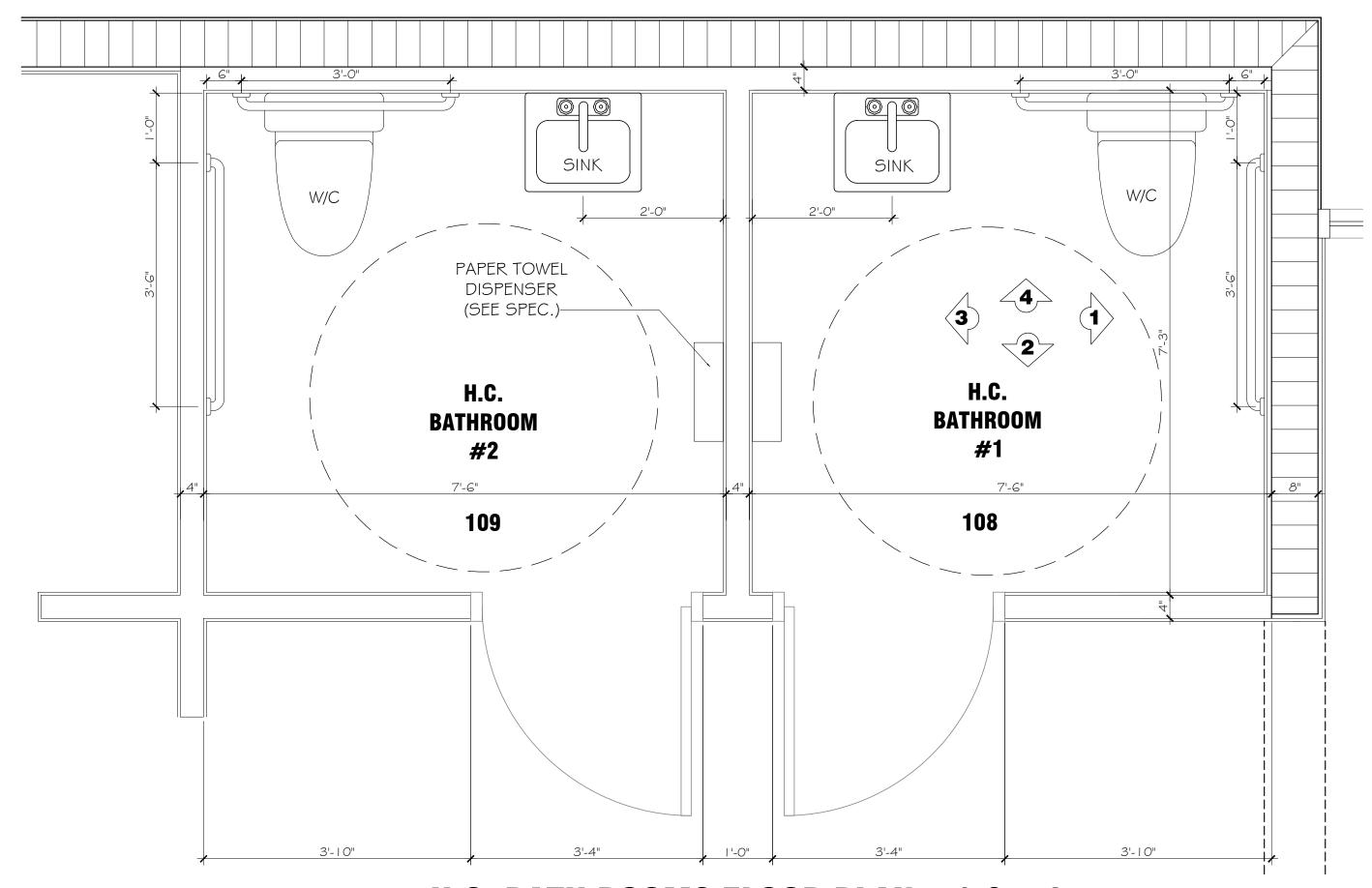


# **INTERIOR ELEVATION. - CABINETS**

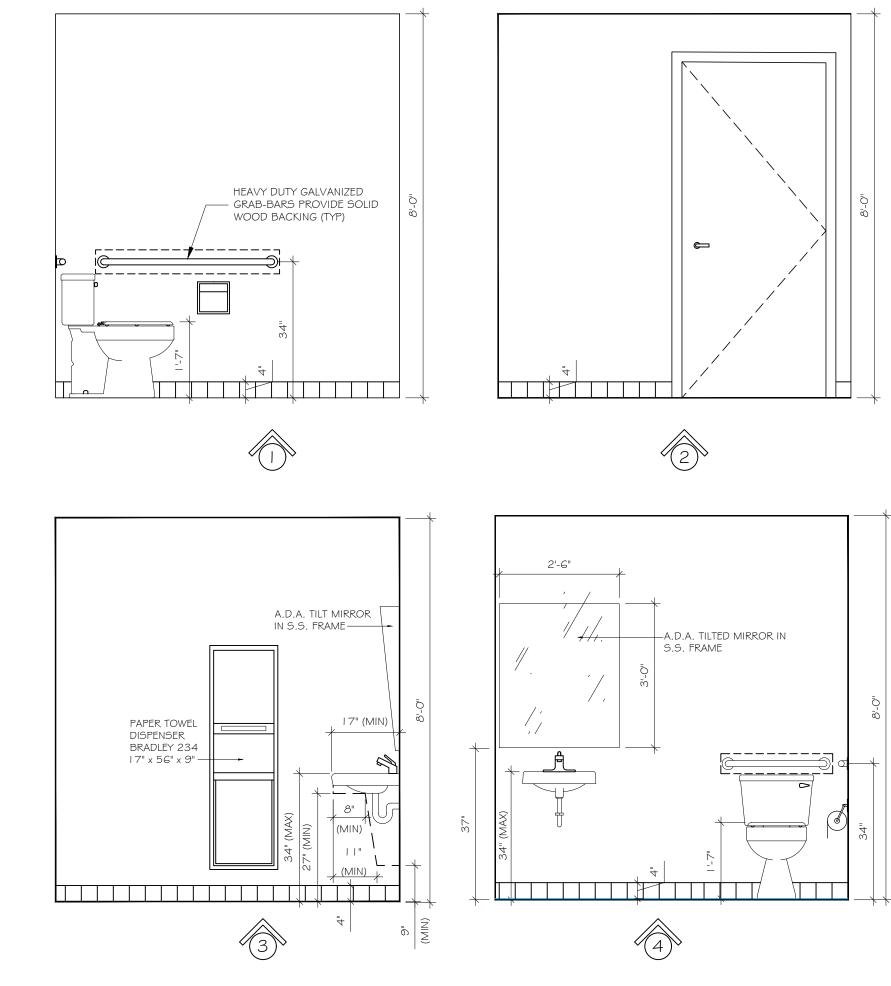


KITCHENETTE CABINET SECTION 'A'

I-1/2" = 1'-0"



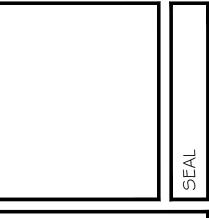
H.C. BATH ROOMS FLOOR PLAN #1 & #2



## INTERIOR ELEVATIONS - HC BATH ROOM #1

NOTE: INTERIOR ELEVATIONS FOR HC BATH ROOM #2 IS THE MIRROR IMAGE OF HC BATH ROOM #1





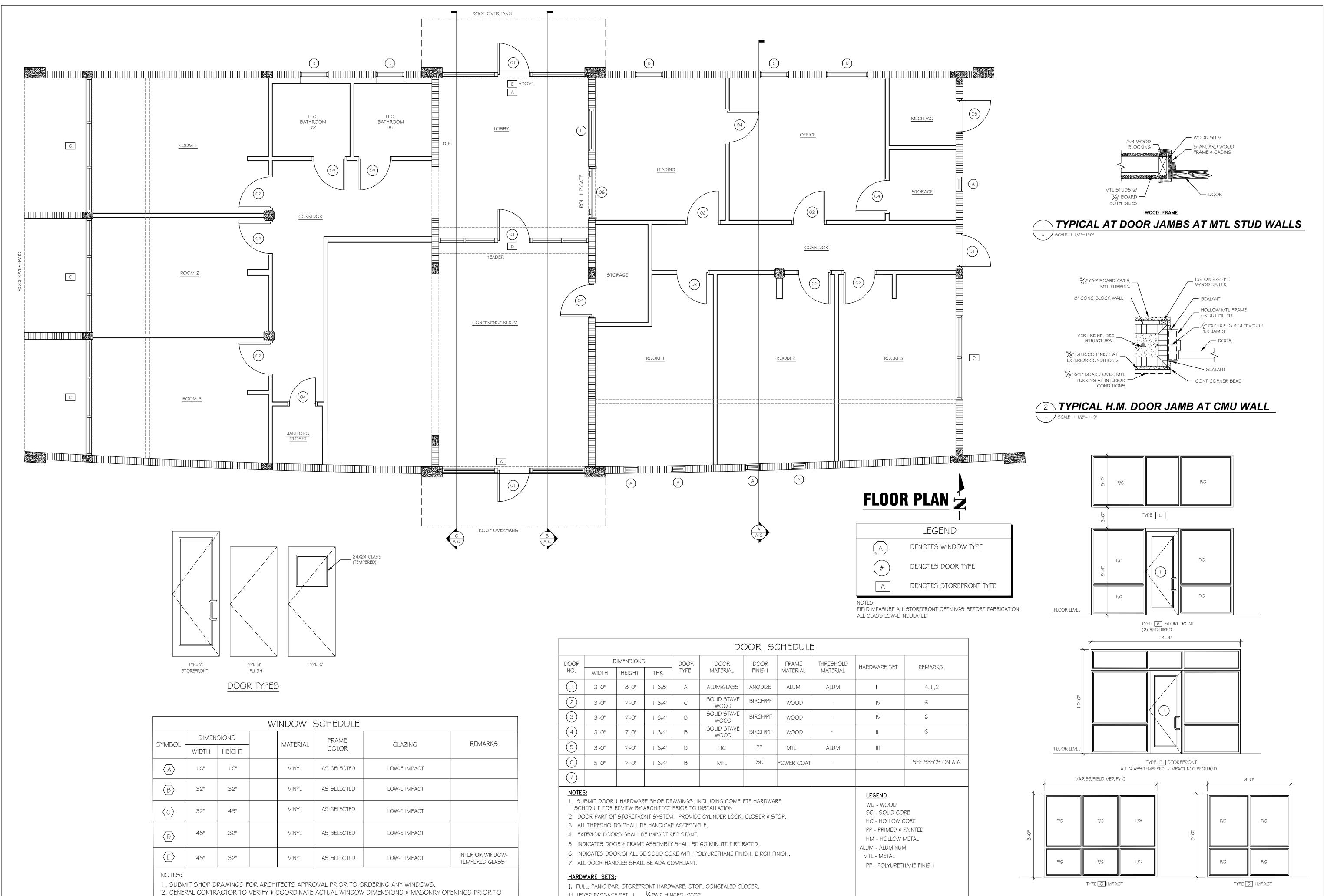
COMMUNITY CENIMMOKALEE,



**INTERIOR ELEVATIONS** 

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II. LEVER PASSAGE SET, I /2 PAIR HINGES, STOP.

IV. PRIVACY LATCHSET, I  $\frac{1}{2}$  PAIR HINGES, STOP.

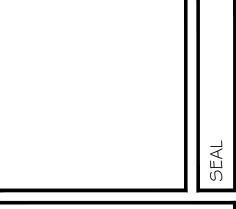
III. LEVER LOCKSET, I  $\frac{1}{2}$  PAIR HINGES, WEATHERSTRIP, THRESHOLD, CLOSER, STOP.

CONSTRUCTION.

PLAN TO CONTAIN CATEGORY I SAFETY GLAZING.

3. WINDOWS LOCATED WITHIN 24" OF EACH VERTICAL EDGE DOORS AS INDICATED ON FLOOR

Ted Hoffman Architect 863 673 6814 Michael Facundo Architect 239 503 4333



ENTER / OFFICE E, FLORIDA **AMIGOS** DE COMMUNITY CIMMOKALE CASA



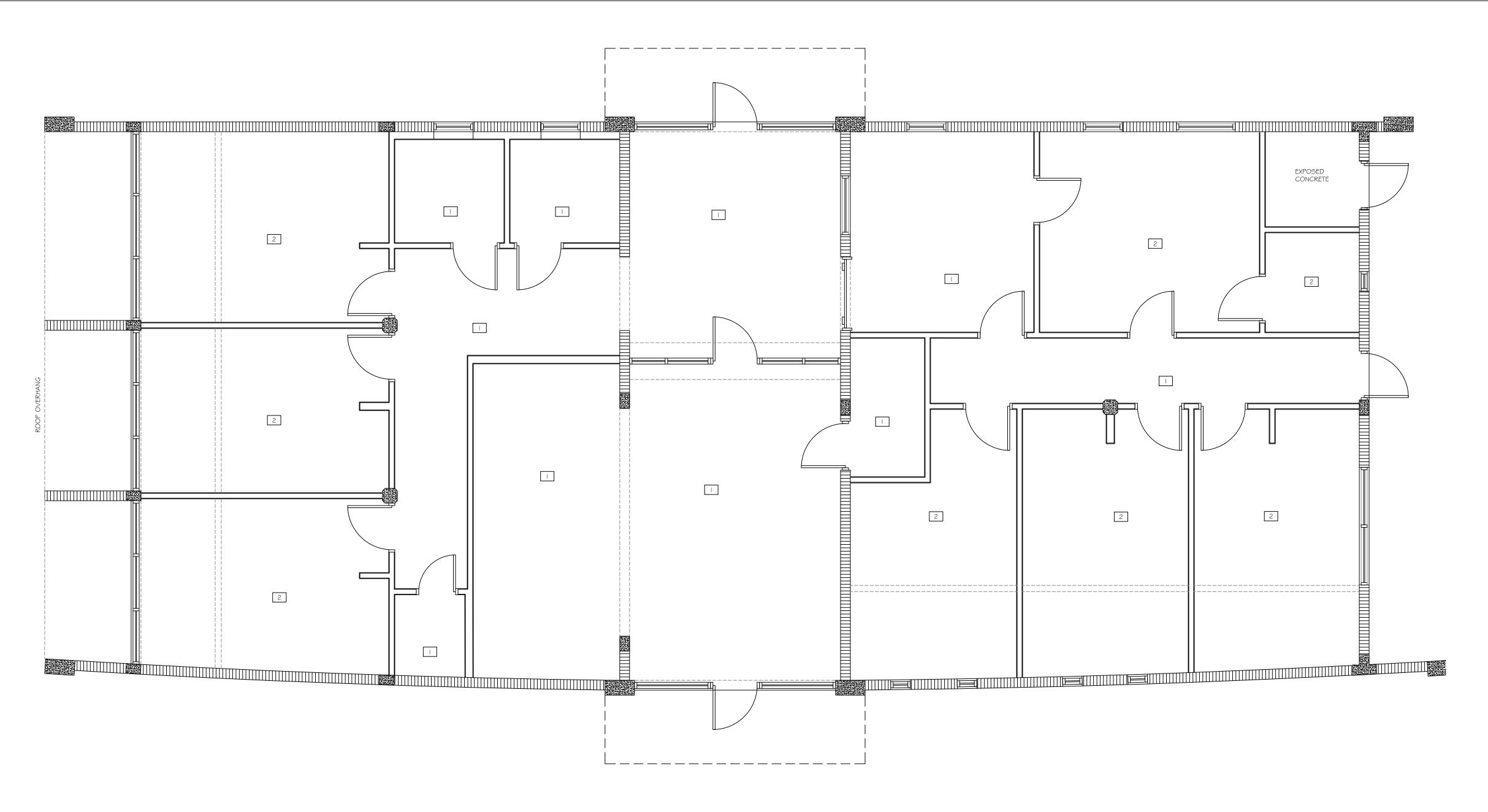
**SCHEDULES** AND DETAILS

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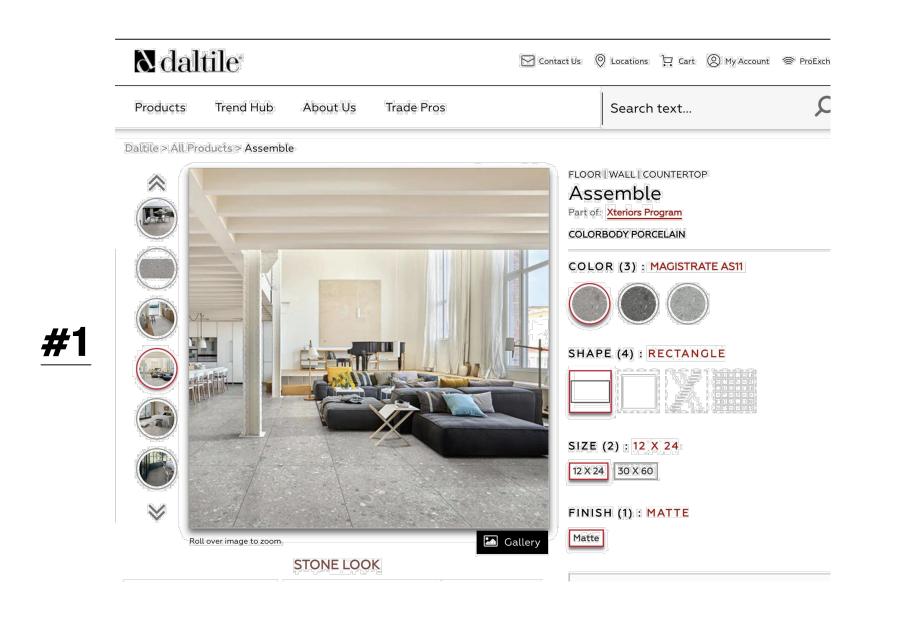
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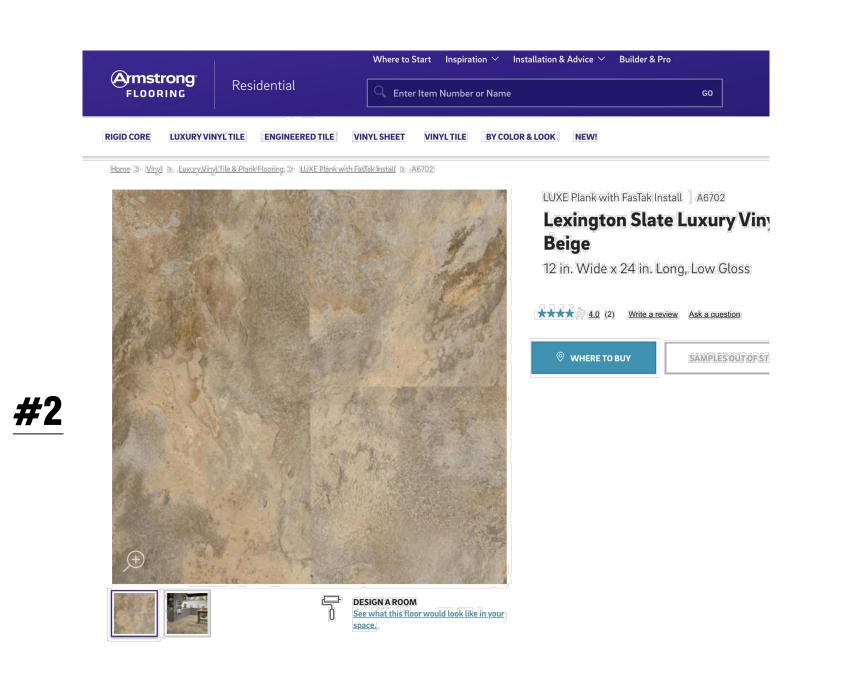
WINDOW / STOREFRONT TYPES

ALL GLASS LOW-E INSULATED IMPACT RATED @ EXTERIOR LOCATIONS (TYP)



# **FLOOR PLAN**





#### NOTES

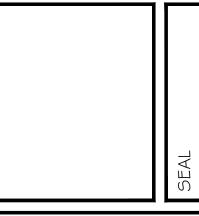
- I . PROVIDE %" MOISTURE RESISTANT GYPSUM WALL BOARD AT ALL WET AREAS ONLY.
- 2. PAINTED SURFACES SHALL BE AS FOLLOWS (SEE SPECIFICATIONS FOR MORE INFORMATION)
  - a. Walls Shell
  - b. Base Semigloss
  - c. Doors Polyurethane Glass 3 Coats d. Ceiling - Flat Latex

3 COLORS BASEBOARD \$ TRIM, SEMI-GLOSS,

- 3. COLORS CEILING, FLAT WHITE WALLS, EGG SHELL -
- DIFFERENT COLOR.

  4. WOOD BASE IN ALL ROOMS. 1X4 SQ EDGE. INSTALL
- 4. WOOD BASE IN ALL ROOMS. IX4 SQ EDGE. INSTAI AFTER FLOOR INSTALLATION. PRE PAINTED. PATCH & SAND ALL INSTALLATION MARKS.
- 5. FLOORING PATTERNS WILL BE SELECTED WITH FULL SIZE SAMPLES PROVIDED FOR EACH FLOORING TYPE. (MIN 3 PIECES). NOTE: 2 COLORS OF EACH TYPE WILL BE SELECTED.
- 6. THRESHOLDS OR TRANSITION NECESSARY REQUIRED AT ALL CHANGES OF FLOORING TYPE.
- 7. INSTALL ALL FLOORING IN STRICT ACCORDANCE WITH PUBLISHED MANUFACTURERS LITERATURE.





CASA DE AMIGOS COMMUNITY CENTER / OFFIC IMMOKALEE, FLORIDA



# FLOOR FINISHES

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#### SEALANTS AND CAULKINGS

#### GENERAL

1.01 RELATED WORK IN OTHER SECTIONS A. SEALANTS FOR GLAZING - SECTION 08800

SUBMITTAL S A. MANUFACTURER'S LITERATURE: SUBMIT PROPERLY IDENTIFIED MANUFACTURER'S PUBLISHED LITERATURE, WITH NAMES, CATALOG NUMBER SPECIFICATIONS, SURFACE PREPARATION, MIXING, AND APPLICATION DIRECTIONS FOR FACH PRODUCT.

B. PROVIDE GUARANTY COVERING SEALANT MATERIALS FOR A TWO (2) YEAR PERIOD COVERING JOINT FAILURE. JOINT FAILURE IS DEFINED AS: LEAKS OF AIR OR WATER; EVIDENCE OF LOSS OF COHESION; FADING OF SEALANT MATERIAL; MIGRATION OF SEALANT; EVIDENCE OF LOSS OF ADHESION BETWEEN SEALANT AND JOINT EDGE.

1. MANUFACTURER'S STANDARD COLOR CHART: SUBMIT FULL COLOR RANGE FOR SELECTION. 2. JOINT FILLER AND BOND BREAKER TAPE: SUBMIT SAMPLES OF EACH TYPE.

#### PRODUCTS

A. AS RECOMMENDED BY MANUFACTURER, DESIGN TO INSURE ADHESION OF SEALANT FOR EACH TYPE OF

2.02 SEALANTS AT BUILDINGS A. FOR EXTERIOR NON-TRAFFIC JOINTS: TWO (2) PART URETHANE.

B. APPROVED PRODUCTS: 1. PECORAL DYNATROL 2. SONNEBONRN SOLOLASTIC NP II 3. MAMECO INTERNATIONAL VULKEM 277 4. WOODMONT PRODUCTS INC. CHEM-CLAK 500 5. W.R. MEADOS SEALTIGHT DUALTHANE. C. COLOR SELECTION BY ARCHITECT.

#### 2.03 CAULKING

A. FOR INTERIOR NON-MOVING JOINTS ON AND BETWEEN PAINTED SURFACES USE ACRYLIC LATEX TYPE. B. APPROVED PRODUCTS:

SONNEBORN SONOLAC ACRYLIC LATEX 3. SCM GLIDDEN COATINGS AND RESINS, MACCO LATEX.

2.04 JOINT FILLERS

A. TRAFFIC TYPE JOINTS: APPROXIMATELY SEVENTY (70) DUROMETER SOLID NEOPRENE, SIZED TO FIT JOINT B. ALL OTHER JOINTS: PRE-FORMED POLYETHYLENE FOAM CORD, CLOSED CELL SPONGE BUTYL CORD, OR URETHANE FOAM STRIPS SIZED FOR THIRTY (30) PERCENT COMPRESSION JOINTS.

A. POLYETHYLENE TYPE OF WIDTHS TO SUIT JOINTS. PROVIDE OVER JOINT FILLERS OTHER THAN POLYETHYLENE TYPE.

#### EXECUTION

3.01 PREPARATION A. SURFACE CLEANING, PREPARATION, PRIMING, MIXING, JOINT FILLERS, MINIMUM AND MAXIMUM DEPTHS, APPLICATION AND CLEAN UP IN ACCORD WITH MANUFACTURER'S PUBLISHED DIRECTIONS. JOINTS TO RECEIVE CAULKING AND SEALANT TO BE DRY AND THOROUGHLY CLEANED OF OIL, DUST, RELEASE AGENTS, CURING COMPOUNDS, WATER REPELLENTS, OR OTHER FOREIGN MATTER. PRIME SURFACES AS RECOMMENDED BY MANUFACTURER.

3.02 APPLICATION

A. JOINT DEPTH AND FILLERS: GOVERN DEPTH OF JOINTS TO RECEIVE CAULKING ANS SEALANT BY WIDTH OF JOINT AND ACHIEVE BY PROPER PLACEMENT OF JOINT FILLER GASKETS. JOINTS BETWEEN ONE HALF (1/2) INCH AND LESS IN WIDTH, ONE FOURTH (1/4) INCH DEEP. JOINTS BETWEEN ONE HALF (1/2) INCH AND ONE (1) INCH WIDE SHALL HAVE A DEPTH EQUAL TO ONE HALF (1/2) INCH DEEP, AVOID LENGTHWISE STRETCHING OF FILLER MATERIAL. INSTALL BOND BREAKER TAPE AND BACK OF JOINTS.

CONTINUOUS STRIP IN ALIGNMENT WITH JOINT EDGE, AND REMOVE IMMEDIATELY AFTER JOINTS HAVE C. CAULKING AND SEALANT FINISH: FORCE CAULKING AND SEALANT INTO JOINTS WITH GUN HAVING A NOZZLE WHICH FITS INTO JOINTS. FILL JOINTS SOLIDLY, TOO TO COMPRESS AND SMOOTH JOINTS

B. MASKING: APPLY TAPE WHERE REQUIRED TO PROTECT ADJACENT SURFACES. ADHERE TAPE IN

WITHOUT THIN EDGES, AND LEAVE FREE FROM TOOL MARKS AND FLUSH WITH ADJACENT SURFACES. D. REMOVE EXCESS COMPOUND, SMEARS, DROPPINGS, AND MISPLACED COMPOUND BEFORE IT HAS CURED USING SUITABLE TOOLS AND NON-STAINING OIL-FREE SOLVENT RECOMMENDED BY MANUFACTURER. E. MIXING: AS RECOMMENDED BY MANUFACTURER USING PUBLISHED DIRECTIONS. ADHERE TO RECOMMENDED "POT LIFE" REQUIREMENTS.

A. CLEAN ADJACENT SURFACES FREE OF SEALANT, CAULKING, AND SOILING USING SOLVENT OR CLEANING AGENT AS RECOMMENDED BY MANUFACTURER.

A. DOOR FRAME PERIMETERS: EXTERIOR AND INTERIOR 3. WINDOW FRAME PERIMETERS: EXTERIOR AND INTERIOR LOUVER FRAME PERIMETERS: EXTERIOR AND INTERIOR . PIPE AND CONDUIT PENETRATION PERIMETERS: EXTERIOR

SILL PERIMETERS: EXTERIOR AND INTERIOR . JOINTS OF DISSIMILAR MATERIALS: EXTERIOR AND INTERIOR ATTACHMENT; AROUND FASTENERS AND AROUND MOUNTING PLATES OR SURFACE: EXTERIOR

H. BUTT JOINTS OF ALIKE MATERIALS: EXTERIOR . REGLETS: FXTERIOR

J. FQUIPMENT AND DUCT PENETRATION PERIMETERS: EXTERIOR K. CONTROL JOINTS AT CONCRETE BLOCK MASONRY: EXTERIOR

L. MASONRY TO GYPSUM BOARD: INTERIOR M. INTERIOR & EXTERIOR METAL THRESHOLDS N. BEHIND WOOD BUCKS AT WINDOW

#### DRYWALL SYSTEMS

1.01 STANDARDS A. STANDARDS OF QUALITY: MATERIALS AND CONSTRUCTION PROCEDURES OF THE NATIONAL GYPSUM COMPANY ARE HEREIN SPECIFIED AS STANDARD OF QUALITY FOR THE WORK UNDER THIS SECTION MATERIALS AND RELATED PROCEDURES FROM ANY OTHER NATIONALLY

RECOGNIZED MANUFACTURER MAY BE USED B. TEMPERATURE, VENTILATION, AND MOISTURE CONTROL REQUIREMENTS BEFORE AND DURING ERECTION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND PRINTED INSTRUCTIONS.

#### 1.02 RELATED WORK IN OTHER SECTIONS

A. CAULKING AND SEALANTS B. INSTALLATION OF CERAMIC TILE WORK OVER GYPSUM BOARD

D. TECHNICAL LITERATURE AND INSTALLATION INSTRUCTIONS, MANUFACTURER'S LATEST EDITION.

1.03 FINISH REQUIREMENTS A. WALLS AT LIVING UNITS: SMOOTH DRYWALL WITH "ORANGE PEEL" TEXTURE. PROVIDE SAMPLE FOR ARCHITECTS APPROVAL BEFORE COMMENCING WORK. B. CEILINGS AT LIVING UNITS: SMOOTH DRYWALL

#### PRODUCTS

#### 2.01 MATERIALS DRYWALL COMPONENTS:

A. MR (MOISTURE RESISTANT) TYPE "X" BOARD: 5/8" X 4' X 8' LONG WITH GREEN FACE PAPER AT TUB AND SHOWER AREA WALLS. EXTEND MR DRYWALL A MINIMUM OF 8" BEYOND EDGE OF SHOWER OR TUB. INSTALL GREEN BOARD WITH FACTORY EDGE AGAINST TUB LIP OR SHOWER

B. FASTENERS AS RECOMMENDED BY MANUFACTURER.

C. JOINT TREATMENT MATERIAL (TAPE AND JOINT COMPOUND). D. DRYWALL: 5/8" THICK TAPERED EDGE; REGULAR OR TYPE "X".

TOPPING COMPOUND DURABOND JOINT COMPOUND

JOINT TREATMENT PRODUCTS CONFORMING TO ASTM C474 AND C475: A. PRE-FILL COMPOUND: DURABOND 90 JOINT COMPOUND - MULTI-PURPOSE.

B. TAPING COMPOUND: DURABOND JOINT COMPOUND - TAPING.

D. GLASS-FIBER TAPE AND SPECIAL CORNER BEAD AND TRIM FOR VENEER PLASTER.

PLASTIC OR ZINC LATH ACCESSORIES OF SIZES CORRESPONDING WITH WALL BOARD THICKNESS AND TYPES AS DETAILED ON DRAWINGS OR SELECTED BY ARCHITECT.

2.04 FASTENINGS A. METAL COMPONENT TO STRUCTURE: POWER DRIVEN PINS PROVIDING 193 SINGLE SHEAR RESISTANCE, AND 200 LBS. BEARING STRENGTH.

B. STUD RUNNER: 3/8" USG TYPE PAN HEAD SCREWS. C. WALLBOARD TO METAL COMPONENTS: 1" FOR 5/8" BOARD.

A. ELECTROGALVANIZED STEEL. 3 5/8" STANDARD AND 1 5/8" FOR RUNNER, ETC.

A. USG ROLLED FORMED HAT-SHAPED GALVANIZED STEEL METAL FURRING CHANNEL PAINTED WITH BLACK ASPHALTUM. (P.T. WOOD STRIPS ARE ACCEPTABLE). B. REFER TO DRAWINGS FOR SPECIFIC CONDITIONS.

#### 1. EXECUTION 3.01 METAL STUD PARTITIONS

A. ALIGN RUNNER TRACK ACCURATELY AT FLOOR AND CEILING AND SECURE WITH SUITABLE

FASTENERS AT A SPACING NOT TO EXCEED 14" O.C. B. POSITION STUDS VERTICALLY ENGAGING BOTH FLOOR AND CEILING RUNNERS. ANCHOR TO CEILING ALL STUDS AND FLOOR RUNNER FLANGES BY POSITIVE SCREW ENGAGEMENT OR BY LOCKING THE STUDS WITH METAL LOCK FASTENER LOCATED ADJACENT TO DOOR FRAMES, PARTITION INTERSECTIONS, AND CORNERS. WHEN NECESSARY SPLICE STUD WITH A MINIMUM 8" NESTED LAP WITH ONE POSITIVE ATTACHMENT PER STUD FLANGE.

C. PLACE STUDS IN DIRECT CONTACT WITH ALL DOOR FRAME JAMBS. ABUTTING PARTITIONS PARTITION CORNERS AND EXISTING CONSTRUCTION ELEMENTS. WHERE A STUD IS INSTALLED DIRECTLY TO EXTERIOR WALLS, AND THERE IS A POSSIBILITY OF WATER PENETRATION THROUGH WALLS, INSTALL AN ASPHALT FELT PROTECTION STRIP BETWEEN THE STUD AND THE WALL SURFACE. SECURELY ANCHOR STUDS TO JAMB AND HEAD ANCHOR CLIPS OF EACH DOOR FRAME BY BOLT OR SCREW ATTACHMENT (NOT REQUIRED FOR FRAME WITH STRUCTURAL BAR STRUTS). OVER METAL DOOR FRAMES A CUT-TO-LENGTH SECTION OF THE RUNNER TRACT WITH A WEB FLANGE BEND AT EACH END TO BE PLACED HORIZONTALLY AND SECURELY FASTENED WITH ONE POSITIVE ATTACHMENT PER FLANGE. A CUT-TO-LENGTH STUD (EXTENDING TO THE CEILING RUNNER) TO BE POSITIONED AT THE LOCATION OF VERTICAL JOINTS OVER THE DOOR

FRAMES HEADER. D. EXTEND ALL STUD WALLS UP TO CONCRETE STRUCTURE WITH FINISH (BOTH SIDES) FOR COMPLETE SOUND SEPARATION OF ADJOINING SPACES; REFER TO DRAWINGS.

A. PLACE METAL RUNNERS AND LINE ACCURATELY AT FLOOR AND CEILING, AND SECURELY ANCHOR WITH SUITABLE FASTENERS, SPACED NOT MORE THAN 24" O.C. B. POSITION METAL STUDS VERTICALLY IN THE RUNNER, SPACED 16" O.C.

C. REINFORCE AND BACK BEHIND TOILET FIXTURES AS REQUIRED.

3.03 WALL FURRING

A. ATTACH METAL FURRING CHANNELS VERTICALLY TO MASONRY OR CONCRETE SURFACES SPACED 16" O.C. FASTEN EACH CHANNEL WITH HAMMERSET OR POWER-ACTIVATED STUD FASTENERS OR CONCRETE STUD NAILS SPACED 24" O.C. ON ALTERNATE WING FLANGE (STAGGERED). WHENEVER THE FURRING CHANNEL IS INSTALLED DIRECTLY ON AN EXTERIOR WALL, INSTALL AND ASPHALT FELT PROTECTION STRIP BETWEEN THE FURRING CHANNEL AND THE WALL

#### 3.04 SUSPENDED CEILING

A. SPACE HANGERS NOT OVER 4'-0" IN THE DIRECTION OF THE MAIN RUNNERS AND NOT OVER 4'-0" IN THE DIRECTION AT RIGHT ANGLES TO THE MAIN RUNNERS, AND WITHIN 6" OF THE ENDS OF THE MAIN RUNS AND OF BOUNDARY WALL, BEAMS, OR SIMILAR INTERRUPTIONS OF CEILING CONTINUITY. PROVIDE POSITIVE ANCHORAGE AT SUPPORT POINTS USING NAILER OR HANGER INSERTS

B. PLACE 1 1/2" CHANNEL MAIN RUNNERS NOT OVER 4'-0" O.C. PROPERLY POSITIONED RELATIVE TO THE INDICATED CEILING HEIGHT, AND LEVELED. HANGERS SHALL BE SADDLE-TIED ALONG RUNNER, MAIN RUNNER NOT TO BE LET INTO ABUTTING MASONRY WALLS OR PARTITIONS AND AXIAL CLEARANCE OF NOT LESS THAN 1" TO BE PROVIDED AT EACH END OF RUNNERS. RUNNER CHANNEL TO BE LOCATED WITHIN 6" OF WALLS TO PROPERLY SUPPORT THE CROSS-FURRING. AT MAIN RUNNER SPLICES, THE ENDS TO BE OVERLAPPED NOT LESS THAN 12", WITH FLANGES OF CHANNEL INTERLOCKED AND SECURELY TIED NEAR EACH END OF THE SPLICE WITH DOUBLE LOOPS OF 16 GAGE WIRE.

C. CROSS FURRING OF METAL FURRING CHANNELS TO BE SPACED 24" O.C. AND SECURELY SADDLE-TIED WITH 2 STRANDS OF 16 GAGE TIE WIRE OR ATTACHED WITH THE METAL CHANNEL

D. REFER TO DRAWINGS FOR DETAIL OF DRYWALL CEILINGS.

#### 3.05 TAPING AND FINISH

A. ALL VERTICAL SURFACES SHALL HAVE A LEVEL 4 FINISH AS DEFINED AND SPECIFIED ON THE ATTACHED GYPSUM BOARD FINISH DOCUMENT AND THEN FINISHED WITH A LIGHT "KNOCK-DOWN" FINISH. THE FINISHER SHALL PREPARE SAMPLES OF THE PROPOSED FINISH FOR APPROVAL BEFORE COMMENCING THE WORK. THE INTENTION IS FOR THE LIGHTEST POSSIBLE

B. ALL CEILING DRYWALL FINISH SHALL BE A LEVEL 5 FINISH AS DEFINED AND SPECIFIED BY THE US GYPSUM HANDBOOK. SAMPLE AREA REQUIRED.

C. ALL DRYWALL SHALL HAVE AN APPROVED DRYWALL PRIMER SPECIFICALLY DESIGNED FOR THIS APPLICATION APPLIED BEFORE FINAL PAINT IS APPLIED.

3.06 DRYWALL INSTALLATION: THE US GYPSUM LATEST DRYWALL HANDBOOK WILL BE UTILIZED FOR ALL DRYWALL INSTALLATION AND FINISHING. THIS HANDBOOK WILL BE USED AS THE BASIS FOR ACCEPTANCE AND APPROVAL OF DRYWALL INSTALLATION, INCLUDING METAL STUD CONSTRUCTION. NOTE: ALL DRYWALL SHALL BE INSTALLED TIGHT TO THE CONCRETE FLOORS. NO GAPS ALLOWED.

A. DO NOT ALLOW THE ACCUMULATION OF SCRAPS AND DEBRIS ARISING FORM THE WORK IN THIS SECTION. MAINTAIN THE PREMISES IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. IN THE EVENT OF SPILLING OR SPLASHING COMPOUND ONTO OTHER SURFACES, IMMEDIATELY REMOVE THE SPILLED OR SPLASHED MATERIAL AND ALL TRACE OF THE RESIDUE TO THE APPROVAL OF THE ARCHITECT

#### **STUCCO** GENERAL

#### 1.01 SUBMITTALS

A. PROVIDE 3'-0" X 3'-0" SQUARE SAMPLE PANEL FOR ARCHITECT'S APPROVAL PRIOR TO EXECUTION OF THE WORK.

A. CEMENT PLASTER: NON-STAINING PORTLAND ASTM C-150 TYPE 1. B. LIME: ASTM C6 TYPE N.

C. SAND: ASTM 35 D. WATER: POTABLE

E. METAL LATH: PAPER BACKED GALVANIZED EXPANDED METAL LATH WITH DIAMOND MESH.

#### 2.02 CORNER BEADS

A. PROVIDE GALVANIZED OR OR PLASTIC CORNER BEADS AT ALL EXTERIOR CORNERS INCLUDING

#### DOORS AND WINDOWS EXECUTION

3.01 QUALITY OF WORK A. DO NOT USE MATERIALS THAT ARE CAKED OR LUMPY, OR ARE CONTAMINATED WITH FOREIGN

MATERIALS B. DO NOT APPLY STUCCO TO SUBSTRATE THAT IS DUSTY OR EXCESSIVELY WET.

C. HAND APPLY STUCCO TO THE SPECIFIED THICKNESS. D. APPLY STUCCO TO AN ENTIRE WALL OR CEILING PANEL WITH INTERRUPTIONS OCCURRING ONLY AT JUNCTION OF PLANES, AT OPENINGS OR EXPANSION AND CONTROL JOINTS. E. WHERE STUCCO ABUTS FRAMES OR OTHER ITEMS OF METAL OR WOOD THAT ACT AS GROUND,

AND STUCCO IS NOT TERMINATED BY A CASING BEAD, TOOL EDGE STUCCO TO PRODUCE A SMALL UNIFORM "V" JOINT. TOOL JOINT THROUGH BROWN COAT AND FINISH COAT. F. APPLY STUCCO WITHIN A MAXIMUM OF 2 1/2 HOURS AFTER MIXING, EXCEPT DURING HOT, DRY WEATHER. REDUCE MAXIMUM PLACING TIME AS REQUIRED TO PREVENT PREMATURE STIFFENING OF STUCCO. DO NOT RETEMPER STIFFENED STUCCO WITH ADDITIONAL WATER.

A. TWO COAT APPLICATION (SCRATCH/BROWN AND FINAL COAT). THREE COAT APPLICATION AT METAL LATH , MINIMUM THICKNESS (FIVE-EIGHTHS) 5/8" AT ALL CONDITIONS. FINAL COAT TO

3.03 SCRATCH AND BROWN COATS A. WELL RODDED AND STRAIGHTENED TO TRUE SURFACE; LEAVE ROUGH TO RECEIVE FINAL COAT.

A. FINAL COAT TO BE (ONE-EIGHTH) 1/8" MINIMUM THICKNESS, FREE FROM CRACKS. TEXTURE TO BE SMOOTH (SAND) FINISH. 4' X 4' SAMPLE REQUIRED.WES

A. AT COMPLETION OF INSTALLATION REMOVE ALL DEBRIS, EXCESS MATERIAL, AND EQUIPMENT, AND LEAVE WORK READY TO BE PAINTED.

3.06 PREPARATION AND APPLICATION A. COMPLY WITH ANSI A42.2

A. PROVIDE A COATING OF "BOND-IT" AT ALL POURED CONCRETE SURFACES TO RECEIVE STUCCO.

3.08 MOISTURE RETENTION AND CURING A. DAMPEN STUCCO COATS THAT HAVE DRIED OUT PRIOR TO TIME FOR APPLICATIONS OF NEXT COAT, FOR UNIFORM SUCTION.

B. DETERMINE THE MOST EFFECTIVE PROCEDURE FOR CURING AND TIME LAPSE BETWEEN APPLICATION OF COATS BASED ON CLIMACTIC AND PROJECT CONDITIONS. STUCCO THAT IS CRACKED OR CRAZED DUE TO IMPROPER TIMING AND CURING WILL NOT BE ACCEPTED. REMOVE AND REPLACE DEFECTIVE STUCCO INCLUDING BASE MATERIALS IF DAMAGED DURING REMOVAL

3.09 CUTTING AND PATCHING A. CUT, PATCH, REPAIR, AND POINT-UP STUCCO AS NECESSARY TO ACCOMMODATE ADJACENT

WORK. REPAIR CRACKS AND INDENTED SURFACES BY MOISTENING STUCCO AND FILLING WITH ADJOINING SURFACES. POINT-UP FINISH SURFACES AROUND ITEMS THAT ARE BUILT INTO OR PENETRATE STUCCO SURFACES.

#### 3.10 CLEANING AND PROTECTION

A. PROVIDE TEMPORARY COVERING TO MINIMIZE SPATTERING OF STUCCO ON ADJACENT WORK. REMOVE STUCCO FROM DOOR FRAMES, WINDOWS, AND OTHER SURFACES WHICH ARE NOT TO BE STUCCOED. REPAIR SURFACES THAT HAVE BEEN STAINED, MARRED, OR OTHERWISE DAMAGED DURING STUCCO WORK. WHEN STUCCO WORK IS COMPLETED, REMOVE UNUSED MATERIALS, CONTAINERS, AND EQUIPMENT WITH DEBRIS.

#### ALUMINUM ASSEMBLIES / STOREFRONT

GENERAL

A. MANUFACTURER'S LITERATURE: SUBMIT PROPERLY IDENTIFIED LITERATURE INCLUDING MATERIAL SPECIFICATIONS, HURRICANE TEST REPORTS FROM APPROVED TESTING LABORATORY VERIFYING

COMPLIANCE WITH LOCAL CODES AND PRINTED INSTALLATION AND ASSEMBLY INSTRUCTIONS. B. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR APPROVAL SHOWING MATERIALS, SIZES, THICKNESSES, LOCATIONS, CONSTRUCTION DETAILS, FRAME REINFORCING, GLAZING DETAILS, ACCESSORIES, AND ERECTION DETAILS. INCLUDE WIND LOAD AND DEFLECTION CALCULATIONS, SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SUBMIT SAMPLES PRIOR TO PANEL ASSEMBLY FOR APPROVAL BY ARCHITECT.

1.03 QUALITY ASSURANCE A. PRODUCTS AND SYSTEMS SPECIFIED DESCRIBE THE STANDARD OF DESIGN AND QUALITY

REQUIRED IN ADDITION TO CRITERIA SPECIFIED. B. ALL ELEMENTS OF EXTERIOR ALUMINUM ENTRANCE DOORS, ENTRANCE AND STOREFRONT FRAMING, INCLUDING MULLIONS, MUNTINS, CLIPS, REINFORCING, AND FASTENING TO BE DESIGNED BY MANUFACTURER'S REGISTERED ENGINEER TO SAFELY RESIST WIND LOADING, DEFLECTION RACKING, AIR INFILTRATION, AND WATER LEAKAGE LIMITS AS REQUIRED BY APPLICABLE CODES WHETHER OR NOT DETAILED ON DRAWINGS.

A. COORDINATE PREPARATION OF WOOD DOORS INCLUDED IN ALUMINUM ASSEMBLIES AND OBTAIN HARDWARE TEMPLATES FROM FINISH HARDWARE SUPPLIER. COORDINATE THE ACCEPTANCE OF SINGLE HUNG AND SLIDING WINDOWS IN ALUMINUM ASSEMBLIES.

NOTE: ALL EXTERIOR ALUMINUM ASSEMBLIES INCLUDING DOORS SHALL BE IMPACT RESISTANT ASSEMBLIES. THE GC SHALL SUBMIT DOCUMENTATION AND LITERATURE SUBSTANTIATING THIS REQUIREMENT. IN ADDITION, THE SUB CONTRACTOR SHALL SUBMIT ENGINEERING CALCULATIONS AND DATA SHOWING THE PROPOSED ASSEMBLIES MEET THE WIND REQUIREMENTS FOR THE PROJECT LOCATION. IF STEEL REINFORCING IS REQUIRED AT EXTERIOR ASSEMBLIES, THIS SHALL BE INCLUDED IN THE SCOPE OF WORK FOR THIS ITEM.

2.01 ALUMINUM DOORS

B. MATERIAL AND CONSTRUCTION: EXTRUDED ALUMINUM ALLOY SECTIONS, ZERO POINT ONE TWO FIVE (0.125) INCH THICK MINIMUM; CORNERS WELDED AND MECHANICALLY FASTENED.

C. EDGES: • PAIR OF DOORS: ROUNDED MEETING STILE EDGES, DOVETAIL PROVISIONS FOR RETAINING WFATHER-STRIPPIN

• SINGLE ACTING DOORS: BEVELED JAMB EDGE STILES. D. WEATHER-STRIPPING AT EXTERIOR DOORS: VINYL BULB OR SILICONE TREATED POLYPROPYLENE PILE WEATHER-STRIPPING IN DOVETAIL ON MEETING EDGE STILES ON ALL PAIR OF DOORS. BOTTOM SWEEPS: ADJUSTABLE SILICONE TREATED POLYPROPYLENE PILE OR NEOPRENE BOTTOM SWEEP WITH MOLDING FINISHED TO MATCH DOORS: NO EXPOSED SCREWS.

E. GLAZING PROVISIONS: GLAZING STOPS AND INTERIOR AND EXTERIOR CONTINUOUS VINYL GASKETS. GASKET COLORS TO MATCH DOOR FINISH; NO EXPOSED SCREWS. EXTERIOR STOPS TO BE TAMPER PROOF F. HARDWARE PROVISIONS: FACTORY MORTISE, REINFORCE, DRILL, AND TAP DOORS TO RECEIVE

TO DOOR MANUFACTURER FOR INSTALLATION AT THE FACTORY.

2.02 ALUMINUM FRAMES, ENTRANCE ASSEMBLIES, FIXED WINDOW FRAMES A. SIZE: THICKNESS OF COMPONENTS AS INDICATED FOR EXTERIOR AND INTERIOR ASSEMBLIES; 0.125 INCH MINIMUM. TUBE SECTIONS TO BE ONE AND THREE QUARTER INCHES BY FOUR AND ONE HALF INCH (1 3/4" X 4 1/2") UNLESS OTHERWISE SHOWN OR REQUIRED BY WIND LOADS.

ALL SPECIFIED AND REQUIRED HARDWARE, EXCEPT FOR LOCK CYLINDERS. FURNISH HARDWARE

B. MATERIAL AND CONSTRUCTION: • EXTRUDED SPECIAL ALUMINUM ALLOY SECTIONS INCLUDING ENTRANCE AND STOREFRONT FRAMING, MULLIONS, AND MUNTINS, AND SUB-SILLS, WITH WATERTIGHT MECHANICAL JOINTS AND REINFORCING AS REQUIRED TO COMPLY WITH THE SPECIFICATIONS. • PROVIDE ASSEMBLIES CAPABLE OF RECEIVING TWO (2) INDIVIDUAL SHEETS OF GLASS AS INDICATED.

C. ADJUSTMENT: • MULLIONS: SPLIT TUBES WITH ADJUSTMENT, EXPANSION, AND CONTRACTION PROVISIONS WITH BUILT-IN ELASTOMER SEALS TO ASSURE WEATHERTIGHTNESS. • MULLION TOP CONNECTIONS: VERTICAL SLOTTED HOLES OR OTHER APPROVED PROVISIONS IN • CONNECTIONS TO ALLOW FOR OVERHEAD BEAM DEFLECTION. • HEAD AND SILL MEMBERS: SUITABLE EXPANSION AND CONTRACTION JOINT PROVISIONS WITH

EXTRUDED OR FORMED SHEET ALUMINUM CONCEALED INTERNAL FLASHING WITH BUILT-IN WEATHERTIGHT SEALS B. DOOR STOPS AND WEATHERSTRIPPING: FOR SINGLE ACTING DOORS, PROVIDE FIXED OR ADJUSTABLE DOOR STOPS AT FRAME HEADS AND JAMBS WITH RESILIENT VINYL BULB

WEATEHRSTRIPPING TO COLOR TO MATCH FRAMES. FINISH STOP TO MATCH FRAMES. C. GLAZING PROVISIONS: • GLAZING BEADS: MANUFACTURER'S STANDARD EXTRUDED ALUMINUM SNAP-IN GLAZING BEADS FOR SILL OR HEAD MEMBERS AS INDICATED TO RECEIVE SPECIFIED GLASS THICKNESS AD GASKETS, INCLUDING DOUBLE GLAZED EXTERIOR UNITS. • GLAZING GASKETS: EXTRUDED RESILIENT VINYL GLAZING GASKETS FOR EXTERIOR AND INTERIOR OF GLASS TO RECEIVE SPECIFIED GLASS THICKNESS. RETURN GASKETS BY GROOVES IN

FRAMES. GASKET COLOR TO MARCH FRAMES. D. FLASHING: PROVIDE BUILT-IN SHEET ALUMINUM FLASHING AS REQUIRED TO PROVIDE A WEATHERTIGHT INSTALLATION.

2.03 ALUMINUM TRIM A. ZERO POINT ZERO NINE (0.09) INCH THICK SPECIAL EXTRUDED OR BRAKE FORMED ALUMINUM TRIP AND FILLER MOLDINGS TO CLOSE OFF ALUMINUM FRAMES AND ALUMINUM STOREFRONT WINDOW CONSTRUCTION TO BUILDING EXTERIOR AND INTERIOR SURFACES. MATCH STOREFRONT

2.04 ALUMINUM ALLOY AND FINISH A. PROVIDE ALL EXPOSED ALUMINUM, INCLUDING ACCESSORIES AND FASTENINGS WITH THE

WINDOWS, UNLESS OTHERWISE INDICATED.

ANODIZED. FINAL SELECTION BY ARCHITECT

• ALLOY COMPATIBLE TO SUIT FINISH. • FINISH: AA-M21C22A42, BUFFING FOLLOWED BY CAUSTIC ETCH WITH ZERO POINT SEVEN (0.7) MIL. AND GREATER ANODIC COATING. • COLOR: MILL FINISH ANODIZED, PROVIDE UNIFORM FINISH AND COLOR THROUGHOUT OR

2.05 FASTENINGS

A. CONCRETE AND MASONRY: MINIMUM ONE FOURTH (1/4) AND THREE EIGHTH (3/8) INCH DIAMETER CONCEALED ROUND OR HEX STAINLESS STEEL MACHINE SCREWS. B. WOOD BUCKS: NO. 14 ROUND HEAD STAINLESS STEEL OR ANODIZED ALUMINUM FASTENERS.

ALUMINUM TO ALUMINUM: STAINLESS STEEL OR ANODIZED ALUMINUM FASTENERS. 2.06 CONCRETE EXPANSION ANCHORS

ALL METAL TYPE OF CADMIUM PLATE STEEL, SELF-DRILLING TYPE, FIBER OR PLASTIC TYPE EXPANSION ANCHORS ARE NOT ACCEPTABLE.

2.07 SEALANT FOR BEDDING, METAL TO METAL JOINTS AND SEALING FASTENINGS A. BUTYL BASE OF APPROVED COLOR TO HARMONIZE WITH ADJACENT METAL.

F. EMERGENCY EXIT DEVICES: REFER TO HARDWARE SECTION AND DRAWINGS.

E. LOCKS: EQUIP DOORS WITH DOUBLE CYLINDER DEADLOCKS.

REFER TO HARDWARE SPECIFICATIONS FOR EACH DOOR. EXPOSED SURFACE OF HARDWARE TO MATCH FRAME COLOR. A. EXTERIOR PULL HANDLE: EQUIVALENT TO AMARLITE C6 PANIC PULL - NINE (9) INCH. FINAL SELECTION BY ARCHITECT.

B. INTERIOR FULL-WIDTH PUSH BAR: EQUIVALENT TO AMARLITE C2 STANDARD PUSH BAR. FINAL SELECTION BY ARCHITECT C. OFFSET PIVOTS: PROVIDE TOP, INTERMEDIATE, AND BOTTOM PIVOTS FOR EACH SINGLE ACTING D. CLOSERS: PROVIDE OVERHEAD CONCEALED FOR EACH SINGLE ACTING DOOR.

2.09 GLAZING PROVIDE SINGLE PANE CLEAR GLASS (IMPACT RESISTANT), THICKNESS AS APPROPRIATE FOR SIZES SHOWN ON DRAWINGS.

#### EXECUTION 3.01 INSTALLATION

A. GENERAL: ERECT AND SECURE COMPONENTS TOGETHER AND TO STRUCTURE IN A LEVEL, PLUMB, AND WATERPROOF MANNER IN ACCORD WITH APPROVED SHOP AND ERECTION

DRAWINGS. AND PUBLISHED INSTALLATION DIRECTIONS. B. SHIMS: SET FRAMES IN PREPARED OPENINGS LEVEL AND SHIM INTO POSITION WITH ALUMINUM SHIMS OR PRESSURE TREATED WOOD SHIMS. PRESSURE TREATED WOOD IN CONTACT WITH ALUMINUM NOT TO CONTAIN COPPER SLATS, PROVIDE GALVANIZED STEEL SHIMS AS REQUIRED FOR CONCEALED STEEL REINFORCING MEMBERS.

C. FASTENINGS: • CONCRETE AND MASONRY OPENINGS: SECURE FRAMES WITH NOT LESS THAN ONE-FOURTH

(1/4) INCH DIAMETER MACHINE SCREWS IN CONCRETE EXPANSION ANCHORS TWENTY FOUR (24) INCHES ON CENTER, MAXIMUM. METAL OPENINGS: SECURE FRAMES TO MULLIONS WITH ONE—FOURTH (1/4) INCH DIAMETER MACHINE SCREWS THROUGH-BOLTED OR DRILLED AND TAPPED INTO METAL SUPPORTS AT

TWENTY-FOUR (24) INCHES ON CENTER MAXIMUM. • ALUMINUM MULLIONS AND MUNTINS: PROVIDE SUITABLE CONCEALED ALUMINUM CHANNEL CLIPS AT EACH MULLION CLIP ABUTTING CONCRETE STRUCTURE WITH TWO (2) ONE-FOURTH (1/4) INCH DIAMETER MACHINE SCREWS MINIMUM IN SELF DRILLING CONCRÈTE EXPANSION ANCHORS. SECURE EACH MULLION CLIP TO WOOD SUPPORT WITH NOT LESS THAN TWO (2) THREE-EIGHTHS (3/8) INCH DIAMETER SHEET METAL SCREWS. SECURE MULLIONS TO EACH CLIP WITH FOUR (4) COUNTERSUNK OR CONCEALED ONE-FOURTH SLOTTED HOLES OR OTHER PROVISIONS IN UPPER CONNECTIONS TO ALLOW FOR OVERHEAD BEAM DEFLECTION. SECURE MUNTINS WITH MATCHING FASTENINGS AS STANDARD WITH MANUFACTURER. ALUMINUM MULLION, MULLION COVER, AND MUNTIN CONNECTION TO CONCEALED STEEL MULLION REINFORCING MEMBERS: HORIZONTAL ALUMINUM MUNTIN CONNECTION TO MULLIONS AND MULLION REINFORCING BY SUITABLE ALUMINUM CLIPS AND FASTENINGS AS SPECIFIED. PROVIDE SUITABLE CONCEALED OR COUNTERSUNK MACHINE SCREW FASTENINGS BETWEEN ALUMINUM MEMBERS AND CONCEALED STEEL MEMBERS OF NUMBER, SIZE, AND SPACING AS REQUIRED TO SAFELY TRANSFER WIND AND GRAVITY LOADS TO STEEL MEMBERS. SPACE FASTENERS ALONG MEMBERS TWELVE (12) INCHES ON CENTER MAXIMUM. • WHERE EXPOSED SCREWS ARE UNAVOIDABLE, COUNTERSINK AND FINISH EXPOSED HEADS TO

3.02 ADJUSTMENT AND LUBRICATION A. LUBRICATE AND ADJUST DOORS AND HARDWARE, INCLUDING CLOSERS FOR EASY OPERATION

#### PAINTING

GENERAL

"SECURITY AND PROTECTION".

1.01 MATERIALS AND EQUIPMENT NOT TO BE PAINTED A. SURFACES SCHEDULED TO RECEIVE OTHER FINISHES OR PREFINISHED MATERIALS.

WITH ALL WEATHERSTRIPPING IN UNIFORM CONTACT.

B. ITEMS OR EQUIPMENT FURNISHED WITH COMPLETE FACTORY FINISH AS CALLED FOR IN THE DRAWINGS AND IN THE OTHER SECTIONS OF THE SPECIFICATIONS. SURFACES INDICATED ON THE DRAWINGS AND/OR SPECIFIED TO BE APPLIED AS FINISHED PRODUCT. D. FINISH HARDWARE, SWITCHES, COVERPLATES, AND LIGHT FIXTURES PROVIDED FINISH IS UNDAMAGED; NAMEPLATES ON EQUIPMENT UNLESS ITEM IS UNMARKED AND IDENTIFICATION IS SPECIFIED. ALUMINUM, COPPER, AND STAINLESS STEEL METALS UNLESS OTHERWISE NOTED. F. EXPOSED CONCRETE SURFACES AS INDICATED ON DRAWINGS.

A. PROVIDE DROP CLOTHS, OR OTHER FORMS OF PROTECTION NECESSARY TO SAFEGUARD WORK NOT TO BE PAINTED. PROVIDE ALL NECESSARY PROTECTION, AS REQUIRED TO PRESERVE PAINTED SURFACES FREE FROM DAMAGE OF EVERY NATURE

1.03 DELIVERY AND STORAGE OF MATERIALS A. PROCEED IN ACCORD WITH SPECIAL CONDITIONS ARTICLE "DELIVERY AND STORAGE OF MATERIALS"

1.04 SUITABILITY OF SUBSURFACE A. NO PAINTING SHALL BEGIN UNTIL ARCHITECT/OWNER'S REP HAS APPROVED EACH SURFACE AS SUITABLE FOR PAINTING. 1.05 SAFETY REQUIREMENTS

A. UPON COMPLETION OF WORK, FURNISH TO OWNER A FIVE (5) GALLON SAMPLE OF SAME PAINT AND

COLOR USED FOR EACH TOP COAT APPLIED 1.07 FERROUS METALS A. ALL FERROUS METAL PROTRUDING THROUGH OR OTHERWISE EXPOSED AT EXTERIOR WALL SHALL RECEIVE A PAINT FINISH OF MATERIAL SPECIFIED, IN COLOR TO MATCH COLOR ADJACENT TO EXTERIOR

A. TAKE ADEQUATE PRECAUTIONS AGAINST FIRE HAZARDS AS SPECIFIED IN SPECIAL CONDITIONS ARTICLE

1.08 RELATED WORK IN OTHER SECTIONS A. SHOP COAT OF MATERIAL, MACHINERY AND EQUIPMENT: REFER TO THE DIFFERENT SECTIONS UNDER WHICH MATERIALS AND MANUFACTURED EQUIPMENT WITH FACTORY-APPLIED SHOP PRIME-COAT ARE

1.09 SUBMITTALS A. MANUFACTURER'S FULL COLOR RANGE FOR DIFFERENT PAINTS SPECIFIED, FOR SELECTION BY ARCHITECT AND/OR OWNER.

B. MANUFACTURER'S CERTIFICATES OF COMPLIANCE AS REQUESTED BY ARCHITECT. FINISH WORK TO MATCH APPROVED SAMPLES. C. SAMPLES AND/OR PILOT WALLS AS REQUESTED BY ARCHITECT OR OWNER. FINISH WORK TO MATCH APPROVED SAMPLES

#### 2.01 MATERIALS

A. APPROVED MATERIALS: EXCEPT WHERE OTHERWISE SPECIFIED, PROPRIETARY NAMES USED HEREIN REFER TO PRODUCTS MANUFACTURES BY THE SHERWIN-WILLIAMS CO. AND ARE SPECIFIED AS STANDARD OF QUALITY. SUPERPAINT FOR EXTERIOR SURFACES AND PROMAR 200 FOR INTERIOR SURFACES. EQUAL PRODUCTS BY BENJAMIN MOORE, PRATT & LAMBERT OR DEVOE ARE ACCEPTABLE,

B. SUBSTITUTIONS: THE ARCHITECT AND/OR OWNER RESERVES THE RIGHT TO SUBSTITUTE OTHER PAINT FINISHES IN LIEU OF THOSE HEREIN SPECIFIED. CONTRACTOR TO USE THE FINAL PAINT FINISH SELECTED WITHOUT EXTRA COST TO OWNER C. ALL PAINTS TO BE OF INDICATED QUALITY, FROM A SINGLE MANUFACTURER. ASCERTAIN COMPATIBILITY OF FINISH PAINT TO BE APPLIED TO APPLIED ITEMS HAVING SHOP COAT PREVIOUSLY APPLIED.

D. PRODUCT NAMES IN THIS SECTION NEED NO FURTHER APPROVAL. ALL OTHER PRODUCTS MUST RECEIVE

A. MOISTURE AND TEMPERATURE CONTROL FOR BEFORE AND DURING APPLICATION TO BE IN ACCORD WITH

#### PREVIOUS APPROVAL BY ARCHITECT. 3.01 GENERAL

SUBJECT TO COMPLIANCE WITH SPECIFICATION REQUIREMENTS.

PAINT MANUFACTURER'S DIRECTIONS. B. MIXING AND THINNING OF PAINTS: IN STRICT COMPLIANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS ON CONTAINER LABEL.

C. COVERAGE: NOT TO EXCEED COVERAGE SPECIFIED IN THE CONTAINER LABEL AND/OR MANUFACTURER'S D. COLORS: AS SELECTED BY ARCHITECT. ONE PAINT COLOR WILL BE SELECTED FOR INTERIOR APARTMENTS. CEILING COLOR SHALL BE FLAT WHITE AND WALL COLORS AN OFF-WHITE TYPICAL FOR ALL UNIT WALLS. EXTERIOR ACCENTS COLORS. 4 DEEP COLOR ACCENT COLORS WILL BE SELECTED

AND 2 FIELD COLORS. DEEP COLORS MAY REQUIRE EXTRA COATS FOR COVERAGE. E. NUMBER OF COATS: AS REQUIRED FOR COMPLETE COVERAGE. EACH COAT TO DIFFER IN COLOR TINT AND MUST BE APPROVED BEFORE NEXT COAT IS APPLIED; OTHERWISE EXTRA COAT WILL BE REQUIRED AT NO EXTRA COST TO OWNER. APPLY PAINT USING TOOLS RECOMMENDED BY PAINT MANUFACTURER. F. WORK: PAINT FINISHED TO BE OF EVEN UNIFORM COLOR, FREE FROM RUNS, DRIPS, CLOUDY, OR MOTTLED SURFACE.

#### 3 02 SURFACE PREPARATION

A. PROPERLY PREPARE ALL SURFACES TO RECEIVE SPECIFIED FINISHES. APPLICATION OF FIRST COAT CONSTITUTES ACCEPTANCE OF SURFACE AND THEREAFTER CONTRACTOR IS FULLY RESPONSIBLE FOR SATISFACTORY WORK. B. SHOP-COATED METAL: THOROUGHLY CLEAN OFF ALL OIL, GREASE, DIRT, AND FOREIGN MATTER. SPOT PRIME FILED CONNECTIONS, WELDS, SOLDERED JOINTS, AND BURNED PORTIONS.

C. CONCRETE AND MASONRY SURFACES: CLEAN SURFACES OF DIRT, EXCESS MORTAR AND FOREIGN

MATTER. PATCH IN A CLEAN MANNER, FLUSH AND SMOOTH, ALL CRACKS, HOLES, PITS, AND OTHER

IMPERFECTIONS IN SURFACES D. TOPS, BOTTOMS, AND EDGE STILES OF DOORS TO BE PAINTED LIKE FACES OF DOORS.

3.03 APPLICATION TO EXTERIOR SURFACES A. STUCCO SURFACES: I CT. LOXON MASONRY PRIMER

2 COATS SUPERPAINT EXTERIOR GLOSS LATEX ENAMEL

2 COATS SUPERPAINT EXTERIOR LATEX SATIN. EXTRA COATS AS REQ'D AT ACCENTS B. HARDIBOARD, EXTERIOR DOORS, AND METAL DOOR JAMBS: 1 COAT: LOXON MASONRY PRIMER. (NOT REQ'D AT METAL JAMBS)

(NOTE: DOOR JAMBS/DOORS MAY BE CONTRASTING COLOR FROM WALLS)

3.04 APPLICATION TO INTERIOR SURFACES A. INTERIOR WOODWORK, DOORS, TRIM, AND BASE

IST COAT: 1 COAT PREPRITE WALL AND WOOD PRIMER 2 COATS: PROMAR 200 INTERIOR LATEX SEMI-GLOSS B. GYPSUM BOARD WALLS AND CEILINGS: FLAT FINISH -PROMAR 200 FLAT AT CEILINGS (NOTE: CEILING COLOR WILL BE DIFFERENT THAN WALL COLOR) EGG-SHELL FINISH AT ALL WALLS.

ST COAT: PREPRITE 200 LATEX PRIMER

ACCEPTABLE JOB, AS APPROVED BY ARCHITECT.

2 COATS: PROMAR 200 INTERIOR LATEX EGG-SHELL 3.05 COMPLETION OF JOB A. A DETAILED INSPECTION OF PAINT WORK TO BE MADE, AND ALL UNSATISFACTORY OR DAMAGED PORTIONS TO BE SATISFACTORILY TOUCHED UP OR REFINISHED AS NECESSARY TO PRODUCE AN

A. UPON COMPLETION OF ALL PAINT WORK, REMOVE STAGING, SCAFFOLDING, SURPLUS MATERIALS, AND CONTAINERS FORM SITE. REMOVE PAINT SPOTS, OIL, STAINS FROM ADJACENT SURFACES. LEAVE JOB

3.07 THE FOLLOWING ITEMS TO BE PAINTED UNDER THIS SECTION A. ELECTRICAL PANELS

B. ELECTRICAL PAD MOUNTED TRANSFORMERS. C. ELECTRICAL METERS AND SERVICE CONDUIT.

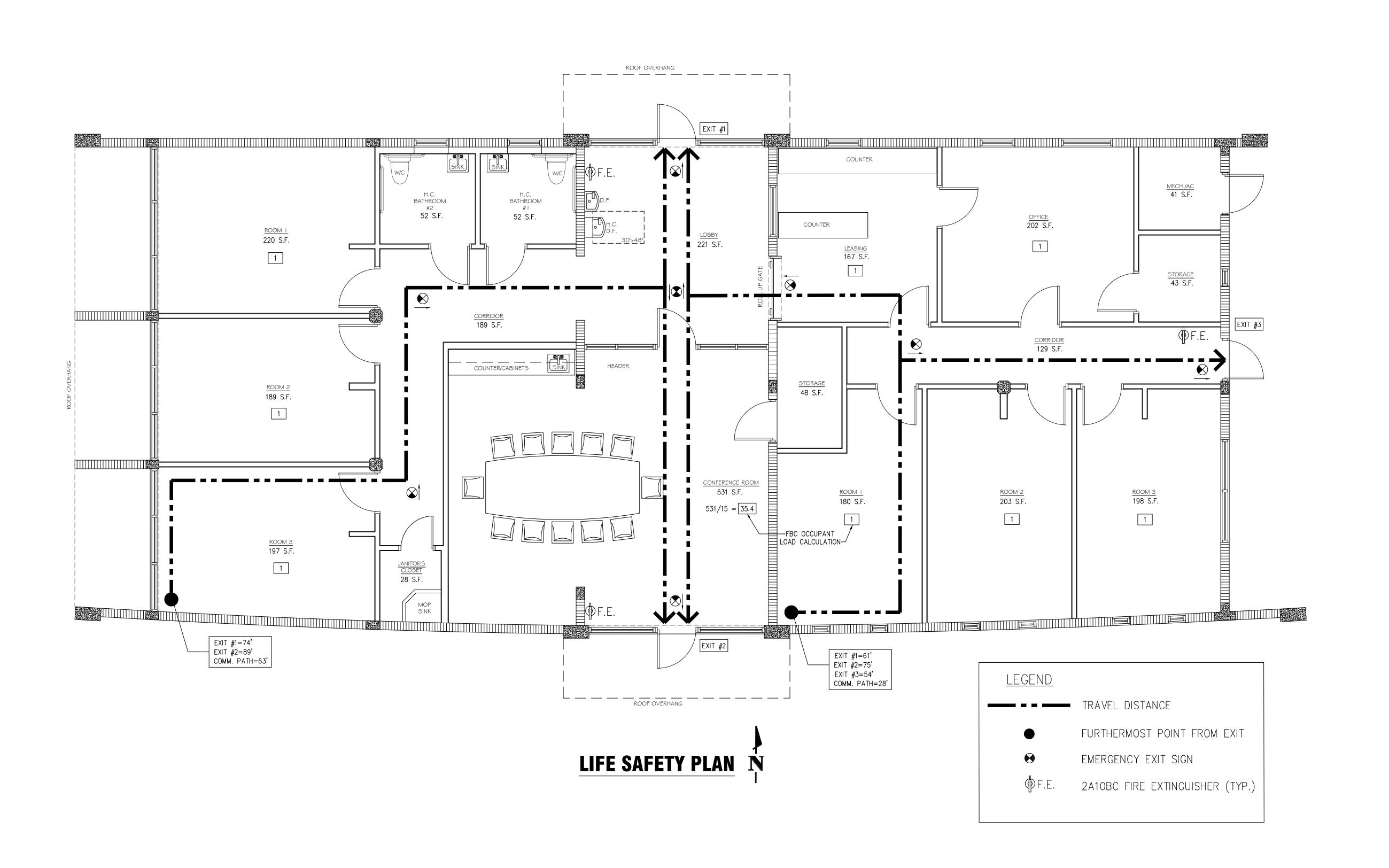
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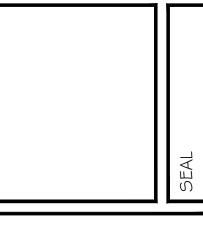
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CASA DE AMIGOS IMMOKALEE, FLORIDA COMMUNITY BUILDING



# LIFE SAFETY PLAN

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#### 1010 GENERAL NOTES:

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

DRAWINGS SHALL NOT BE SCALED, REFER TO DIMENSIONAL INFORMATION PROVIDED OR 2011 FOUNDATIONS: CONTACT THE ENGINEER OR ARCHITECT FOR CLARIFICATION.

ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. BY USE OF THESE PLANS, THE CONTRACTOR AGREES TO ASSUME FULL LIABILITY AND ANY COST ASSOCIATED WITH NON COMPLIANCE WITH THIS PARAGRAPH.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS AND TIEDOWNS.

WORK SHALL CONFORM TO ALL APPLICABLE STATE, COUNTY AND CITY ORDINANCES/CODES.

THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE

NO STRUCTURAL MEMBER OR COMPONENT SHALL BE CUT, NOTCHED, OR OTHERWISE ALTERED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED FROM FAILURE TO OBTAIN SAID APPROVAL, INCLUDING ENGINEERING SERVICE FEES.

IN THE EVENT OF A DISCREPANCY BETWEEN THE STRUCTURAL CONTRACT DRAWINGS AND THE SPECIFICATIONS, THE STRUCTURAL CONTRACT DRAWINGS SHALL SUPERCEDE THE SPECIFICATIONS.

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 7TH EDITION, USING THE FOLLOWING SUPERIMPOSED LOADS: ROOF: LIVE LOAD...

8" UNTOPPED HOLLOWCORE......58 PSF SUPERIMPOSED DEAD LOAD......15 PSF 

WIND: ASCE 7-16 // FLORIDA BUILDING CODE 7TH EDITION, SECTION 1609 Vult = 160 MPH (3 SECOND GUST)Vasd = 124 MPH

ENCLOSED BUILDING, RISK CATEGORY II, EXPOSURE C, h = 22' COEFFICIENT OF INTERNAL PRESSURE,  $Cpi = \pm 0.18$ 

THE CONTRACTOR SHALL CONTACT LIEBL & BARROW ENGINEERING TO OBSERVE THE FOLLOWING (WITH 48 HOURS NOTICE):

FOUNDATIONS.

2. LOW ROOF SLABS / OVERHANGS 3. HOLLOWCORE PRIOR TO GROUTING.

CONSTRUCTION OBSERVATION IS A VISUAL OBSERVATION OF MATERIALS AND WORK IN PROGRESS TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS AND DESIGN CONCEPT. THIS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES.

LIEBL & BARROW ENGINEERING DOES NOT HAVE CONTROL OVER, AND IS NOT RESPONSIBLE FOR. SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FOR THIS PROJECT. THOSE FUNCTIONS ARE THE CONTRACTORS RESPONSIBILITY.

#### 1120 SHOP DRAWING REVIEW:

RECORD.

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.

ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL

TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

SHOP DRAWING SUBMITTALS SHALL INCLUDE ONE ORIGINAL AND THREE SETS OF BLUEPRINTS. OR BE ON A PDF. THE CONTRACTOR SHALL MAKE PRINTS FROM THE ORIGINALS AS REQUIRED FOR DISTRIBUTION.

ALL SHOP DRAWING SUBMITTALS FOR REVIEW SHALL BE SUBMITTED THROUGH THE ARCHITECT FOR DISTRIBUTION AND ALL REVIEWED SHOP DRAWINGS SHALL BE RESUBMITTED THROUGH THE ARCHITECT FOR DISTRIBUTION.

IN ALL INSTANCES THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

IF SHOP DRAWINGS ARE SUBMITTED ELECTRONICALLY, THE CLIENT WILL BE INVOICED FOR ALL PRINTING COSTS ASSOCIATED WITH REVIEW.

#### 1121 SHOP DRAWINGS FOR SPECIALTY ENGINEERED PRODUCTS:

THE FOLLOWING SYSTEMS AND COMPONENTS REQUIRE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER:

SUBMITTALS SHALL IDENTIFY THE PROJECT, APPLICABLE CODES AND LIST THE DESIGN CRITERIA. SUBMITTALS SHALL ALSO SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.

SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE DELEGATED ENGINEER.

SHOP DRAWINGS AND CALCULATIONS REQUIRE THE IMPRESSED SEAL, DATE AND SIGNATURE OF THE DELEGATED ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AS AN INDICATION THE HE/SHE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. ORIGINALS DO NOT REQUIRE SIGNATURE AND SEAL. THE STRUCTURAL ENGINEER WILL RETAIN ONE SIGNED AND SEALED BLUELINE PRINT FOR

DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING DO NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.

CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.

REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO VERIFYING THE FOLLOWING:

- A. THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED. B. THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE
- DELEGATED ENGINEER.
- C. THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. (NO DETAILED CHECK OF
- CALCULATIONS WILL BE MADE). D. THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE).

SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED. IF SHOP DRAWINGS ARE SUBMITTED ELECTRONICALLY, THE CLIENT WILL BE INVOICED FOR ALL PRINTING COSTS ASSOCIATED WITH REVIEW.

SEE THE FOLLOWING REPORT FOR COMPLETE GEOTECHNICAL RECOMMENDATIONS AND

INSTALLATION PROCEDURES. SITE PREPARATION AND FOUNDATION INSTALLATION SHALL COMPLY WITH REPORT DATED 04/20/20 PREPARED BY: DYNATECH ENGINEERING CORP

FOUNDATION DESIGN IS BASED ON A SOIL BEARING PRESSURE OF 2,500 PSF.

#### 3102 FORMWORK AND SHORING:

TITLED: CASA AMIGOS

DESIGN. ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET THE REQUIREMENTS SET FORTH IN ACI STANDARDS 347 AND 301. SLAB TO REMAIN SHORED IN FORMS UNDISTURBED FOR 21 DAYS MINIMUM.

#### 3302 CONCRETE:

CONCRETE SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE'S BUILDING CODE REQUIREMENTS (ACI 318) AND HOT WEATHER CONCRETING REQUIREMENTS (ACI 305).

#### MATERIALS: CEMENT: ASTM C150 TYPE I

AGGREGATE: ASTM C33 WATER: CLEAN, POTABLE, WITH NO DELETERIOUS MATERIALS REINFORCING STEEL: ASTM A615 GRADE 60 WELDED WIRE FABRIC: ASTM A1064 IN FLAT MANUFACTURED SHEETS STRUCTURAL STEEL PLATES: ASTM A36

ANCHOR BOLTS: ASTM A36, A307, OR F1554 (GRADE 36 MIN)

SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:

3000 PSI FOR FOUNDATIONS AND SLABS ON GRADE. 4000 PSI FOR ALL OTHER STRUCTURAL CONCRETE.

CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND

SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE. MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE AGGREGATE. CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC. ANY CONCRETE WITH A TEMPERATURE ABOVE 90°F SHALL BE DISCARDED. CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (11/2) HOURS. IF FOR ANY REASON THERE IS A LONGER DELAY THAN THAT STATED ABOVE, THE CONCRETE SHALL BE DISCARDED. IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE. ALL SLABS SHALL BE CURED USING A DISSIPATING CURING COMPOUND MEETING ASTM STANDARD C309 TYPE 1-D AND SHALL HAVE A FUGITIVE DYE. THE COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED. ALL SCUFFED OR BROKEN AREAS IN THE CURING MEMBRANE SHALL BE RECOATED DAILY. CALCIUM CHLORIDES SHALL NOT BE UTILIZED; OTHER ADMIXTURES MAY BE USED ONLY WITH THE APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF CURING COMPOUND WITH FLOOR FINISHES.

ALL CONCRETE MIX DESIGNS SHALL INCLUDE A WRITTEN DESCRIPTION INDICATING WHERE EACH PARTICULAR MIX IS TO BE PLACED WITHIN THE STRUCTURE. IF ACCEPTED, PEA ROCK PUMP MIX USE IS LIMITED TO VERTICAL ELEMENT POURS AND BEAM POURS LESS THAN 60 LINEAL FEET PER POUR.

WATER/CEMENT RATIO FOR CONCRETE AT EXTERIOR ROOF SLABS SHALL NOT EXCEED 0.40 BY WEIGHT. WATER/CEMENT RATIO FOR ALL OTHER CONCRETE SHALL NOT EXCEED 0.55. NO WATER SHALL BE ADDED ON SITE. ALL CONCRETE DESIGN MIX SUBMITTALS SHALL INCLUDE TESTED, STATISTICAL BACK-UP DATA AS PER CHAPTER 5 OF ACI 318.

SLUMP SHALL BE 4"+/- 1" PRIOR TO ADDITION OF WATER-REDUCING ADMIXTURE(S) UNLESS SPECIFIED OTHERWISE.

USE OF FLYASH, IF APPROVED IN ARCHITECTURAL SPECIFICATIONS, SHALL NOT EXCEED 20% OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE): FOOTINGS: 3" BOTTOM AND SIDES, 2" TOP BEAMS AND COLUMNS: 1½" TO TIES

ALL REINFORCING BARS SHALL BE LAPPED PER A.C.I. 318 INCLUDING TOP BAR FACTOR, BUT SHALL NOT BE LESS THAN 48 BAR DIAMETERS UNLESS NOTED

WELDED WIRE FABRIC SHALL BE LAPPED ONE SPACE PLUS 2 INCHES. VAPOR BARRIER SHALL BE LAPPED 6 INCHES AND TAPED.

DOWEL ALL WALLS AND COLUMNS TO FOOTINGS WITH BAR SIZE AND SPACING TO

MATCH VERTICAL REINFORCING UNLESS NOTED OTHERWISE. LONGITUDINAL BARS IN FOOTINGS, WALLS, BEAMS, AND SLABS ARE CONTINUOUS

MAINTAIN COVER DURING CONCRETE PLACEMENT AND CONSOLIDATE BY INTERNAL

#### 3304 CONCRETE TESTING:

VIBRATION.

UNLESS NOTED OTHERWISE.

AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON CAST IN PLACE CONCRETE:

- A. ASTM C143 "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT
- CONCRETE." MAXIMUM SLUMP SHALL BE 4 INCHES.
- B. ASTM C39 "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." SAMPLES FOR STRENGTH TESTS FOR EACH CLASS OF CONCRETE PLACED EACH DAY SHALL NOT BE TAKEN LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF CONCRETE NOR LESS THAN ONCE FOR EACH 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS AND WALLS. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS:

#### 1 AT 3 DAYS 1 AT 7 DAYS 2 AT 28 DAYS

ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(S) MAY BE DISCARDED.

#### 3307 PENETRATIONS:

NO PENETRATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBERS OTHER THAN THOSE LOCATED ON THE STRUCTURAL DRAWINGS WITHOUT PREVIOUS APPROVAL OF THE ENGINEER. CONTRACTOR SHOULD SUBMIT SLAB DRAWINGS INDICATING ANY CONCENTRATION OF PIPES, OPENINGS OR PENETRATIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS PRIOR TO CONCRETE POURS.

#### 3406 PRECAST HOLLOW-CORE OR SOLID SLABS:

ROOF SHALL BE PRESTRESSED CONCRETE HOLLOW-CORE SLABS DESIGNED IN ACCORDANCE WITH ACI 318 FOR THE SUPERIMPOSED LOADS LISTED ABOVE.

PRESTRESSED CONCRETE SHALL BE DESIGNED TO MEET THE FIRE RATING

REQUIREMENTS INDICATED ON THE ARCHITECTURAL DRAWINGS. SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED FOR ALL WORK AND SUBMITTED FOR REVIEW. SHOP DRAWINGS SHALL BEAR THE SIGNATURE AND IMPRESSED

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#### SEAL OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

3601 CHEMICAL (ADHESIVE) ANCHORS:

SHALL BE ÀN EQUAL TWO PART EPOXY POLYMER INJECTION SYSTEM. SUCH AS RED-HEAD C6+, SIMPSON SET-3G EPOXY, OR HILTI HIT-HY-200 EPOXY DOWELING SYSTEM UNLESS NOTED OTHERWISE ON THE PLANS. ALL SUBSTITUTIONS SHALL HAVE PRODUCT APPROVAL BY THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION AND SHALL BE APPROVED BY THE ENGINEER OF RECORD.

ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE PLANS AND MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. INSTALLERS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE.

NO LOAD SHALL BE APPLIED TO EPOXY ANCHORS UNTIL THE EPOXY HAS FULLY CURED TO FULL STRENGTH. CURE TIME SHALL BE PER MANUFACTURER'S

ALL EPOXY ANCHORS SUBJECT TO A PERMANENT LOAD OR IS USED FOR A VERTICAL HANGER SHALL BE APPROVED BY THE ENGINEER OF RECORD AND SPECIAL INSPECTION OF THE INSTALLATION SHALL BE PROVIDED.

#### MINIMUM EMBEDMENT SHALL BE TWELVE (12) TIMES FASTENER DIAMETER INTO CURED CONCRETE OR SOLIDLY GROUTED MASONRY UNLESS NOTED OTHERWISE.

#### 4201 MASONRY WALLS:

ALL REINFORCED CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO ACI TMS 602/ACI 530.1/ASCE 6 "SPECIFICATIONS FOR MASONRY STRUCTURES" LATEST EDITION.

MASONRY UNITS SHALL MEET ASTM C-90 FOR HOLLOW LOAD BEARING TYPE MASONRY WITH UNIT STRENGTH OF 2000 PSI ON THE NET AREA (F'M = 2000 PSI). MORTAR SHALL BE TYPE "M" OR "S" AND MEET ASTM C-270, FRESHLY PREPARED. GROUT SHALL BE 2000 PSI MINIMUM COMPRESSIVE STRENGTH AND MEET ASTM C-476. PROVIDE HOOKED DOWELS IN FOOTINGS FOR ALL VERTICAL REINFORCING ABOVE. LAP SPLICES 48 BAR DIAMETERS.

BLOCK CELLS SHALL BE GROUT FILLED WITH REINFORCING BARS VERTICAL AT CORNERS, INTERSECTIONS, EACH SIDE OF OPENINGS OVER 4 FEET WIDE, AND AS SHOWN ON THE PLANS. DOWELS SHALL BE USED TO PROVIDE CONTINUITY INTO THE STRUCTURE ABOVE AND/OR BELOW, UNLESS NOTED OTHERWISE. USE METAL LATH, MORTAR, OR SPECIAL UNITS TO CONFINE CONCRETE AND GROUT TO AREA REQUIRED.

PROVIDE 9 GAGE GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCING (DUR-O-WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES. AT EXTERIOR WALLS, REINFORCING SHALL BE HOT DIPPED GALVANIZED (1.5 OZ. PSF)

SUBMIT PROPOSED GROUT MIX DESIGN FOR REVIEW PRIOR TO USE. GROUT SLUMP SHALL BE BETWEEN 8 AND 11 INCHES (WATER INDUCED). DO NOT USE SUPERPLASTICIZER IN GROUT. THE USE OF CONCRETE FOR FILLED CELLS IS

CELLS TO BE GROUT FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED, CONTINUOUS VERTICAL GROUT SPACE. CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF CELLS TO BE GROUT FILLED IN EACH POUR IN EXCESS OF 16 INCHES IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM THE INSIDES OF SUCH CELL

VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 BAR DIAMETERS. CELLS CONTAINING REINFORCEMENT SHALL BE FILLED SOLIDLY WITH GROUT. GROUT SHALL BE POURED IN LIFTS OF 4 FEET MAXIMUM HEIGHT. GROUT SHALL BE CONSOLIDATED AT TIME OF PLACING BY VIBRATING AND RECONSOLIDATED LATER BY VIBRATING BEFORE PLASTICITY IS LOST.

WALLS. THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING, AFTER INSPECTION.

WHEN TOTAL GROUT POUR EXCEEDS 5 FEET IN HEIGHT, THE GROUT SHALL BE PLACED IN 4 FOOT LIFTS. MINIMUM CELL DIMENSION SHALL BE IN ACCORDANCE WITH ACI 530.1 (3"x3" FOR COARSE GROUT, 12 FT. MAXIMUM POUR HEIGHT).

WHEN THE GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE MADE BY STOPPING THE POUR OF GROUT NOT LESS THAN  $1\frac{1}{2}$  INCH BELOW THE TOP OF THE UPPERMOST UNIT GROUTED.

ALL WALLS SHALL BE CONSTRUCTED WITH RUNNING BOND UNLESS NOTED OTHERWISE. CONTRACTOR PROVIDE THE FOLLOWING DOCUMENTATION AND PERFORM THE FOLLOWING

- 1. UNITS ARE SAMPLED AND TESTED TO VERIFY COMPLIANCE WITH ASTM C55 OR ASTM C90 BASED UPON STRENGTH OF THE UNIT AND TYPE OF
- MORTAR SPECIFIED. 2. MIX DESIGNS AND GROUT STRENGTH AND SLUMP TESTS DETERMINED IN
- ACCORDANCE WITH ASTM C1019. 3. SAMPLES FOR GROUT COMPRESSIVE STRENGTH TESTS PER ASTM C1019 SHALL BE TAKEN NOT LESS THAN ONCE A DAY NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF GROUT. REQUIRED SAMPLE QUANTITIES AND TEST AGES: 1 AT 3 DAYS 1 AT 7 DAYS

#### 4205 TIE BEAMS:

BEAMS WITH THE PREFIX "TB" SHALL BE OF CONCRETE POURED AFTER THE BLOCK WALLS BELOW ARE IN PLACE. REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS WITH MINIMUM LAP SPLICES OF 48 BAR DIAMETERS AND BENT BARS AT CORNERS. USE METAL LATH, MORTAR, OR SPECIAL UNITS TO CONFINE CONCRETE TO AREA REQUIRED, IN ACCORDANCE WITH ACI 530.1, "CONFINEMENT" (SOLID METAL OR FELT CAVITY CAPS ARE PROHIBITED).

#### 4207 LINTELS:

MASONRY OPENINGS SHALL BE SPANNED WITH A BLOCK AND 8" PRECAST CONCRETE LINTEL SYSTEM. MASONRY OPENINGS LESS THAN 12 FEET SHALL BE SPANNED WITH 8"x16" LINTEL WITH (1)#5 REINFORCING BARS TOP AND BOTTOM (8F16-1T/1B). MASONRY OPENINGS LESS THAN 8 FEET SHALL BE SPANNED WITH 8"x12" LINTELS WITH (1)#5 REINFORCING BARS TOP AND BOTTOM (8F12-1T/1B). MASONRY OPENINGS LESS THAN 4'-6" SHALL BE SPANNED WITH 8"x8" PRECAST CONCRETE LINTELS WITH (1)#5 REINFORCING BARS BOTTOM (8F8-OT/1B). ALL PRECAST LINTELS SHALL BEAR A MINIMUM OF 8" AT EACH END AND BE GROUT FILLED. ALL LINTELS WHICH ABUT A

CAPACITY OF EACH INDIVIDUAL STUD.

CONCRETE COLUMN SHALL BE CAST IN PLACE.

2 AT 28 DAYS

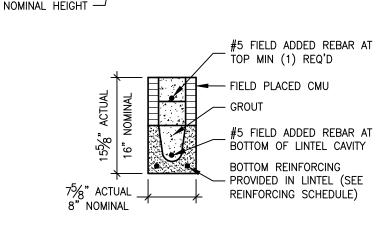
5110 SHEAR STUD CONNECTORS AND EMBEDDED ITEMS: SHEAR STUD CONNECTORS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE", SECTION 7 - STUD WELDING. STUDS SHALL BE TYPE 'B', HEADED STUDS HAVING A MINIMUM TENSILE STRENGTH OF 60,000 PSI. AND SHALL BE OF LENGTH AND DIAMETER SHOWN ON STRUCTURAL DRAWINGS. WELDS ATTACHING STUDS TO BASE MEMBER SHALL BE ABLE TO DEVELOP THE FULL

ALL EMBEDDED ITEMS SHALL BE ACCURATELY LOCATED AND SECURED TO PREVENT DISPLACEMENT PRIOR TO CONCRETE PLACEMENT. EMBEDDED ITEM SHALL NOT BE "WET-STICKED" INTO FRESH CONCRETE.

ALL HEADED STUDS SHALL BE LOCATED BETWEEN THE LONGITUDINAL BARS IN A CONCRETE BEAM OR WITH THE VERTICAL BARS OF A CONCRETE COLUMN UNLESS NOTED OTHERWISE.

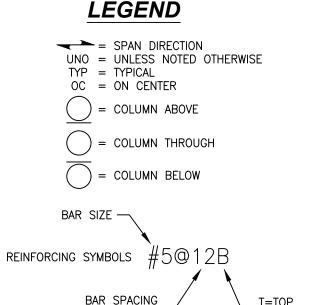
ALL EMBEDDED ITEMS SHALL NOT BE LOADED IN LESS THAN 7 DAYS AFTER CASTING IN PLACE AND UNTIL THE CONCRETE HAS REACHED 100% OF ITS 28 DAY COMPRESSIVE STRENGTH SMALLER SPACE UNLESS NOTED OTHERWISE.

#### F=FILLED WITH GROUT / U=UNFILLED QUANTITY OF #5 FIELD ADDED REBAR AT BOTTOM OF LINTEL CAVITY QUANTITY OF #5 FIELD NOMINAL WIDTH -ADDED REBAR AT TOP



#### PRECAST LINTEL BEAM

(INCHES)



B=BOTTOM

.6h=12'

(5) +33.2, -44.0 PSF

(1') +16.0, -33.2 PSF OVERHANG: (2) -70.8 PSF (1) +16.0, -57.9 PSF OVERHANG: (3) -70.8 PSF

(2)

**GABLE, SAWTOOTH AND** 

MULTISPAN GABLE 0 ≤ 7°

EFFECTIVE WIND AREA = 10 SF

& MONOSLOPE ≤ 3°

(2) +33.2, -76.4 PSF (3) +33.2, -76.4 PSF PRESSURES PER FLORIDA BUILDING CODE, 7TH EDITION (ASCE 7-16, (4) +33.2, -36.5 PSF CHAPTER 26-30) FOR Vult=160 MPH, h = 22', EXPOSURE C, ENCLOSED

(OPENINGS PROTECTED), RISK CATEGORY II

#### WIND LOADING: COMPONENTS & CLADDING

(NEGATIVE INDICATES PRESSURE ACTING AWAY FROM THE BUILDING SURFACE)

PRESSURES ARE FOR ALLOWABLE STRESS DESIGN (ASD)

#### TENSION LAP SPLICE (CLASS B) f'c = 4000 PSI fy = 60000 PSI

| #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #1<sup>2</sup> 24" | 32" | 40" | 48" | 70" | 80" | 90" | 102" | 113 OTHER BAR | 19" | 25" | 31" | 37" | 54" | 62" | 70" | 79" | 87"

#### 1. LAP SPLICES ARE IN ACCORDANCE WITH ACI 318.

- 2. CLEAR SPACING OF BARS IS 2db AND CLEAR COVER IS NOT LESS
- THAN db OR CLEARANCES AND TIES PER ACI 318, SECTION 12.2.2. 3. TOP BAR SPLICE IS REQUIRED WHERE MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW HORIZONTAL REINFORCEMENT.

#### PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY **ELECTRONIC COPIES.**

MODIFICATIONS TO THESE DRAWINGS INVALIDATES THE ELECTRONIC SEAL

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#### PROJECT NO 21-030 GLEBO SKLJAP LIEBL & BARROV Structural Engineering

No. 88663 STATE OF LORIDA

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S2.0...

S3.0....

S3.1...

S4.0...

S4.1....

2/17/22 HOLLOWCORE 12/2/21 REV 1 9/3/21 0 PERMIT SET 8/2/21 BID SET 7/2/21 PROGRESS SET 6/18/21 | PROGRESS SET 7/7/20 ARCH. COMMENTS STRUCTURAL ASPECTS ONLY REV # DATE LIEBL & BARROW ENGINEERING WAIVES ANY AND ALL RESPONSIBILITY AND LIBBLITY FOR PROBLEMS WHICH ARISE FROM THE FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITI OR CONFLICTS WHICH ARE ALLEGED. LIEBL & BARROW ENGINEERING SHALL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUE SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FOR THIS PROJECT, SINCE THESE ARE SOLELY THE CONTRACTORS' RIGHTS AND RESPONSIBILITIES.

DESIGNED BY: JR CHECKED BY: GS DRAWN BY: MK

Ted Hoffman Architect 863 673 6814

Michael Facundo Architect 239 503 4333

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# **GENERAL NOTES** WIND LOADS

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10970 SOUTH CLEVELAND **AVENUE. SUITE #105 FORT MYERS FLORIDA 33907** SIONAL 239-936-7557 PHONE

DRAWING INDEX

DIGITAL SEAL IS APPLICABLE TO

**ALL SHEETS IN THE DRAWING INDEX** 

STRUCTURAL NOTES

..SECTIONS & DETAILS

..SECTIONS & DETAILS

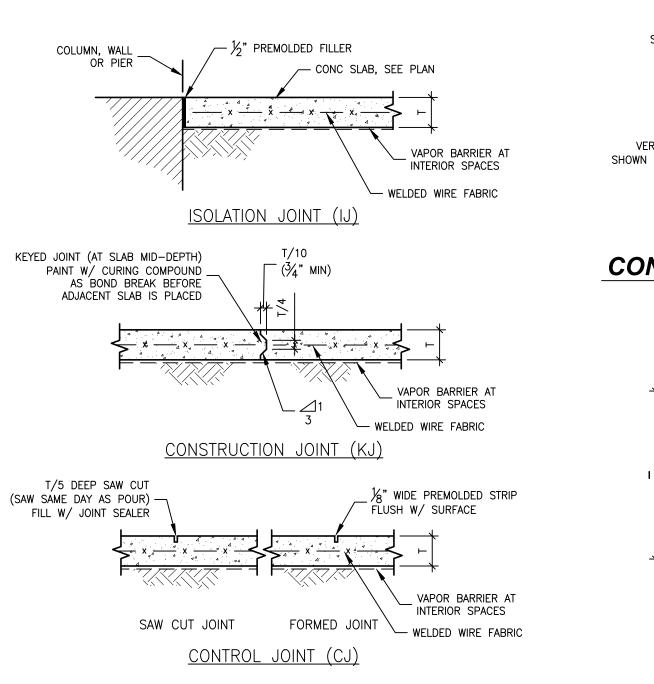
ROOF LEVEL FRAMING PLAN

TYPICAL DETAILS

..FOUNDATION PLAN

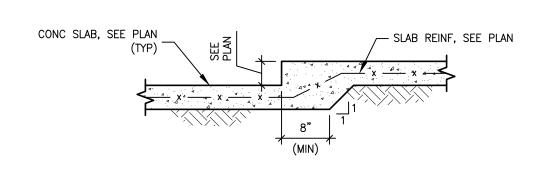
THIS ITEM HAS BEEN DIGITALLY SIGNED BY GLEB O. SKLJAR, PE, ON 02-17-22.

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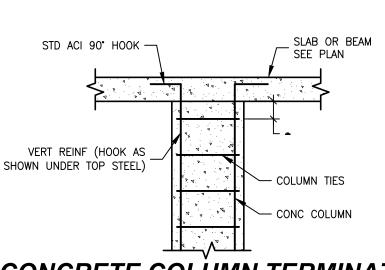




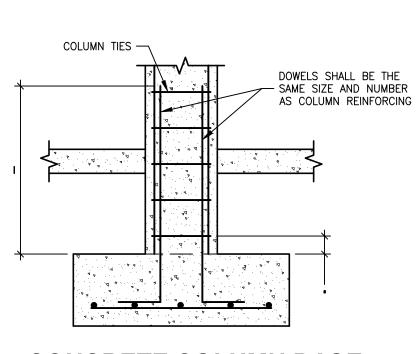
CONTROL JOINTS AT 20'-0" OC (MAX). LAP WWF A MINIMUM OF 8".



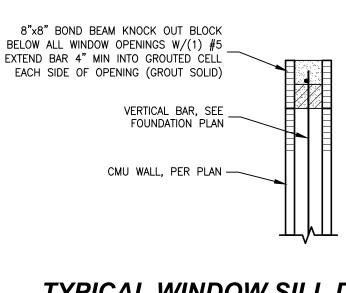
TYPICAL STEPPED SLAB DETAIL



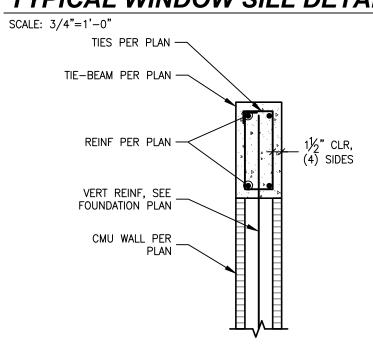
CONCRETE COLUMN TERMINATION



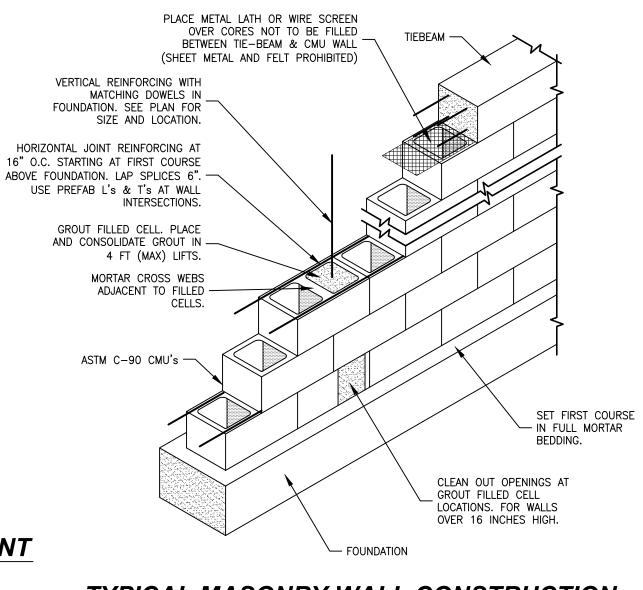
CONCRETE COLUMN BASE



TYPICAL WINDOW SILL DETAIL

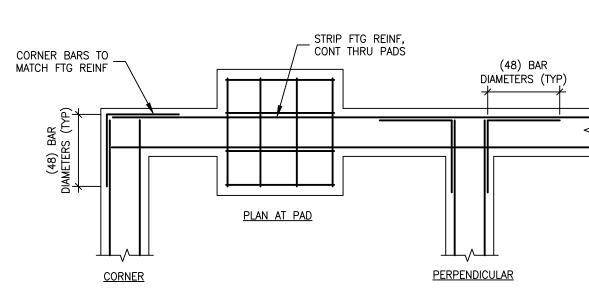


TYPICAL TIE-BEAM REINFORCEMENT

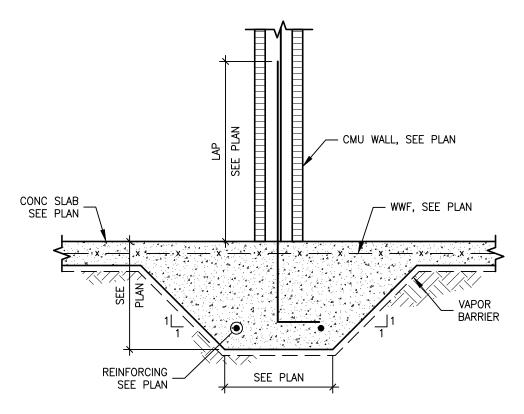


TYPICAL MASONRY WALL CONSTRUCTION

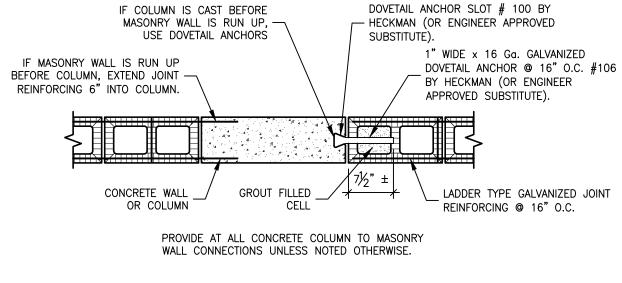
PROVIDE STANDARD HOOKS WHERE VERTICAL BARS TERMINATE IN OR ABOVE BOND BEAM.



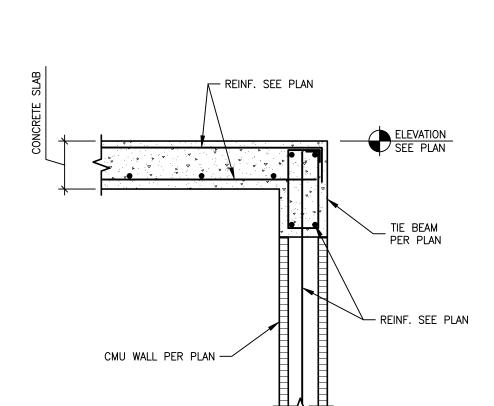
NOTE: SPLICES IN REINFORCING BARS SHALL NOT LESS THAN (48) BAR DIAMETERS. TYPICAL FOOTING INTERSECTION PLAN DETAIL SCALE: NTS



TYPICAL THICKENED SLAB DETAIL SCALE: NTS



CONCRETE COLUMN ANCHOR DETAIL



48 BAR DIA. LAP

2'-6" FOR #5 BAR

TIE-BEAM CORNER REINFORCING PLAN DETAIL

CORNER BAR FOR EACH

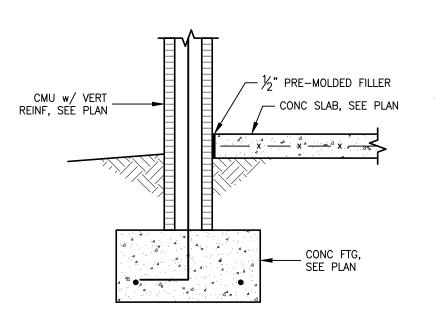
- LAYER OF STEEL. SAME SIZE

BAR AS BEAM REINFORCING

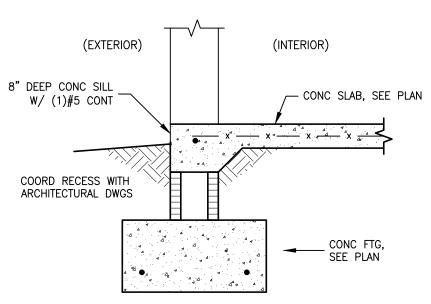
TYPICAL POURED IN PLACE CONCRETE BEAM DETAIL SCALE: 3/4"=1'-0"

#### 'Z' OR 'Y'/4 \_ (USE LARGER) U.N.O. IN BEAM 'X'/4 OR 'Y'/4 SCHEDULE (USE LARGER) CLASS 'A' LAP STIRRUPS - SEE 30 BAR DIA. (MIN.) SCHEDULE FOR SPACING, USE 90° END HOOKS. SPAN 'Z' SPAN 'X'

TYPICAL BENDING DIAGRAM FOR BEAMS



TYP EXT FOOTING DETAIL SCALE: NTS



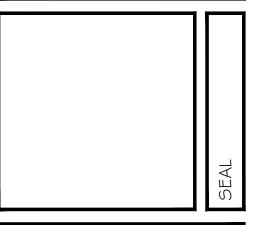
TYP SLAB EDGE AT OPENING AT EXT CMU WALL SCALE: NTS



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FORT MYERS, FLORIDA 33907 239-936-7557 PHONE	MINISTONAL ENGINEER	В	5/22/2	20	PROGRESS S	SET	
Website: www.lbengineer.com • E-mail: info@lbengineer.com	STRUCTURAL ASPECTS ONLY	REV #	DATE		DESCRIPTIO	N	
LIEBL & BARROW ENGINEERING WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM THE FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. LIEBL & BARROW ENGINEERING SHALL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FOR THIS PROJECT, SINCE THESE ARE SOLELY THE CONTRACTORS' RIGHTS AND RESPONSIBILITIES.							

Ted Hoffman Architect 863 673 6814 Michael Facundo Architect 239 503 4333



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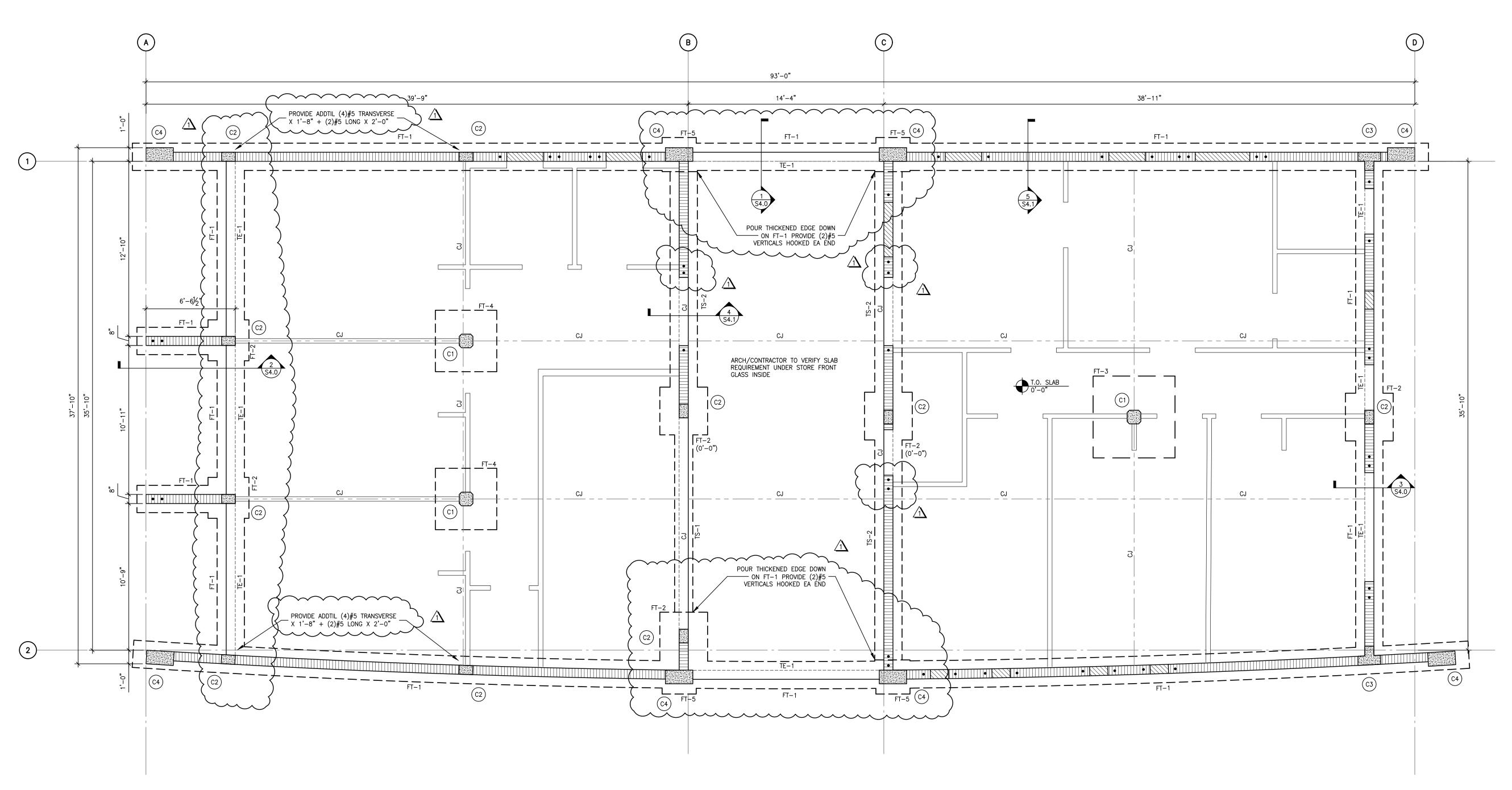


**TYPICAL DETAILS** 

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#### FOUNDATION/GROUND FLOOR PLAN:

- 1. FLOOR SHALL BE A MINIMUM 4" CONCRETE SLAB ON GRADE WITH ONE LAYER OF 6x6-W1.4xW1.4 WELDED WIRE FABRIC AT MID-DEPTH, UNLESS NOTED OTHERWISE.
- 2. THE SLAB SHALL BE CAST ON A VAPOR BARRIER ON WELL COMPACTED FILL MATERIAL.
- 3. ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO 0'-0" REFERENCE ELEVATION WHICH IS FINISHED FLOOR TOP OF SLAB.
- 4. CENTERLINES OF COLUMNS AND WALLS SHALL COINCIDE WITH THE FOUNDATION CENTERLINES UNLESS SHOWN OTHERWISE.
- 5. TOP OF FOOTING ELEVATION SHALL BE (-1'-4") UNLESS SHOWN THUS (x'-x") ON
- 6. SEE SHEET S1.0 FOR STRUCTURAL NOTES, AND SHEET S2.0 FOR TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. FOR ADDITIONAL DIMENSIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
- 8. SEE ARCHITECTURAL DRAWINGS FOR SLOPES, DROPS AND DRAIN LOCATIONS IN FLOOR
- 9. SLAB ON GRADE CONTROL JOINTS (CJ) SHALL BE TOOLED OR SAWCUT PER DETAIL.
- 10. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AS REQUIRED.

  11. INDICATES 8" CMU WITH #6 VERTICAL BARS IN GROUT FILLED CELLS. PROVIDE AT 32" ON CENTER MAX., AT ALL CORNERS, EACH SIDE OF ALL OPENINGS, ENDS OF WALLS, CHANGE IN WALL DIRECTIONS, AND AS SHOWN.
- INDICATES 8" CMU WALL ABOVE AND BELOW OPENINGS WITH #6 VERTICAL BARS IN GROUT FILLED CELLS. PROVIDE AT 32" ON CENTER MAX.
- INDICATES #6 VERTICAL BARS IN GROUT FILLED CELLS IN ADDITION TO
- REINFORCING INDICATED ABOVE.

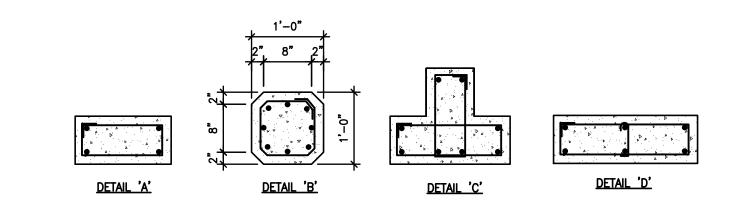
  12. TE-1 INDICATES 8"W x 8"D THICKENED EDGE WITH (1)#5 MID DEPTH.
- TS-1 INDICATES 16"W x 12"D THICKENED SLAB WITH (2)#5 BOTTOM CONT.

  TS-2 INDICATES 24"W x 12"D THICKENED SLAB WITH (2)#5 TOP & BOTTOM CONT.



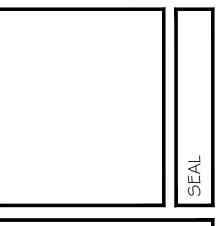
	FOOTING SCHEDULE							
NUMBER	SIZE: WxL	REINFORCING	REMARKS					
FT-1	2'-0" X CONT	12"	(2)#5 B CONT	FOOTINGS TO EXTEND 1' PAST C4 & C2 COLUMNS				
FT-2	3'-6" X 3'-6"	12"	(4)#5 EW B	SEE NOTE 5 ON S3.0				
FT-3	6'-0" X 6'-0"	16"	(7)#5 EW B	SEE NOTE 5 ON S3.0				
FT-4	4'-6" X 4'-6"	16"	(5)#5 EW B	SEE NOTE 5 ON S3.0				
FT-5	2'-6" X 2'-6"	12"	(3)#5 EW B	SEE NOTE 5 ON S3.0				

COLUMN SCHEDULE							
MARK	SIZE	VERTICAL REINFORCING OR BASE PLATE & ANCHOR BOLTS	COLUMN TIES OR CAP PLATE & BOLTS	REMARKS			
<u>C1</u>	12X12	(8)#5	#3@8	DETAIL B			
C2	7 <sup>5</sup> ⁄ <sub>8</sub> X12	(4)#6	#3@8	DETAIL A			
(C3)	75⁄8×20×16	(8)#5	(2)#3@8	DETAIL C			
(C4)	12X24	(6)#7	(2)#3@8	DETAIL D			



PROJECT NO 21-030	SEAL:	DESIGNED B	Y: JR C	HECKED BY: GS	DRAWN BY: MK
	THE O SKI JAPINI	1	12/2/2	1 REV 1	
LIEBL & BARROW	THE WS. N. T. CENS.	0	9/3/21	PERMIT SET	
	≣★ No. 88663 ★ ≣	G	8/2/21	BID SET	
Structural Engineering	* =	F	7/2/21	PROGRESS :	SET
40070 COUTH OF EVEL AND	STATE OF	Е	6/18/2	1 PROGRESS	SET
10970 SOUTH CLEVELAND AVENUE, SUITE #105	LORIDAGINA	D	7/7/20	ARCH. COMI	MENTS
FORT MYERS, FLORIDA 33907 239-936-7557 PHONE	MAL ELMIN	С	6/15/2	CONSTRUCTI	ON DOCUMENTS
Website: www.lbengineer.com • E-mail: info@lbengineer.com	STRUCTURAL ASPECTS ONLY	REV #	DATE	DESCRIPTIO	N
LIEBL & BARROW ENGINEERING WAIVES ANY AND ALL RESPONSIBILITY AND LIA CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS FAILURE TO OBTAIN OR CONFLICTS WHICH ARE ALLEGED. LIEBL & BARROW ENGINEERING SHALL SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS	AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUID NEITHER HAVE CONTROL OVER OR CHARGE OF, N	ANCE WITH RES	SPECT TO ANY ISIBLE FOR, TH	ERRORS, OMISSIONS, INC IE CONSTRUCTION MEAN	CONSISTENCIES, AMBIGUITIES IS, METHODS, TECHNIQUES,





CASA DE AMIGOS COMMUNITY CENTER / OFFICI IMMOKALEE, FLORIDA

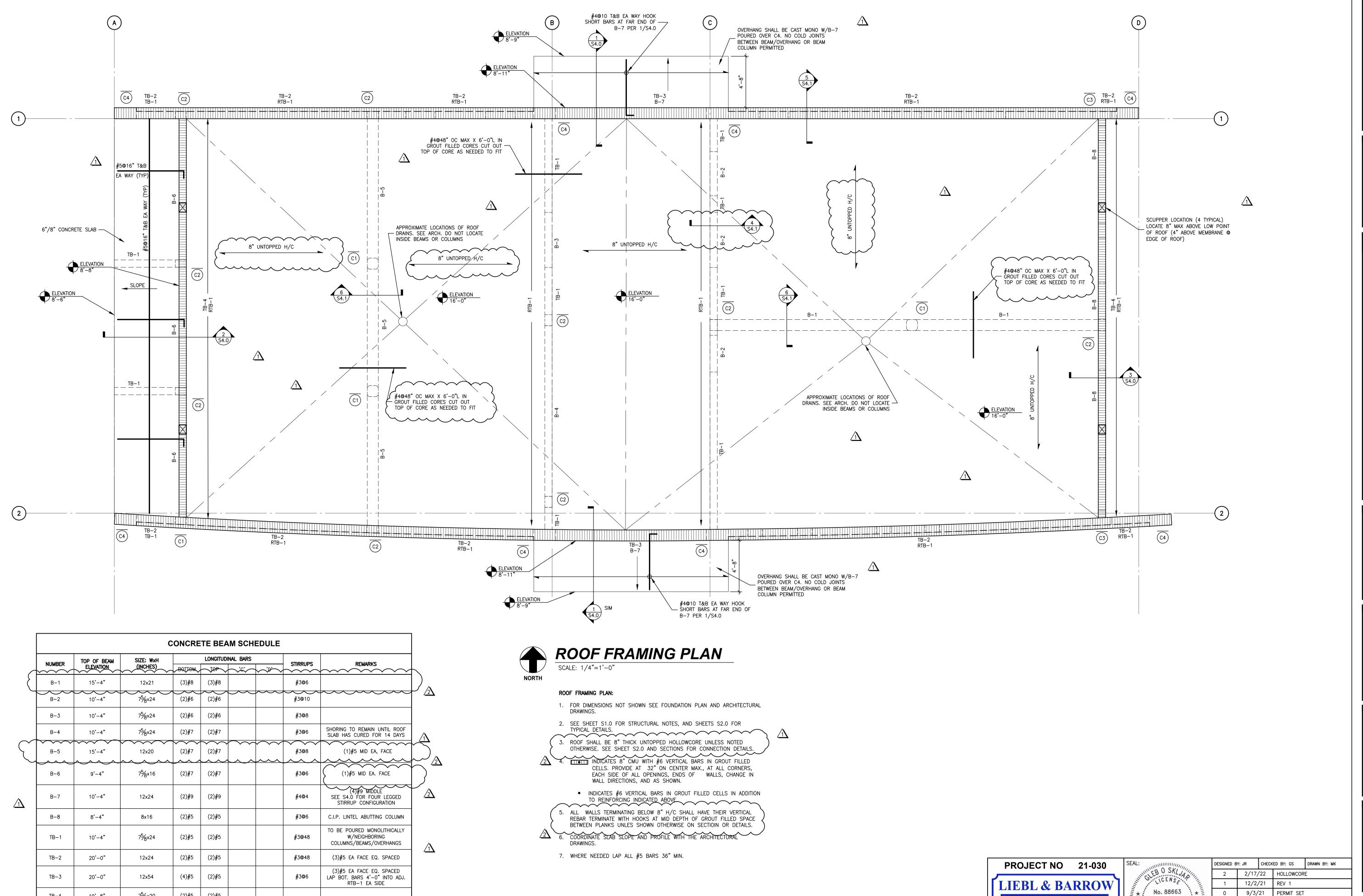


FOUNDATION PLAN

PROJECT No.	21-030
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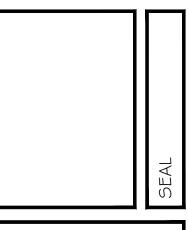


(2)#6

15'-4"

(2)#6





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ROOF FRAMING PLAN

PROJECT No.	21-030
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8/2/21 | BID SET

6/18/21 | PROGRESS SET

7/7/20 ARCH. COMMENTS

PROGRESS SET

7/2/21

REV # DATE

STATE OF

STRUCTURAL ASPECTS ONLY

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|Structural Engineering

10970 SOUTH CLEVELAND

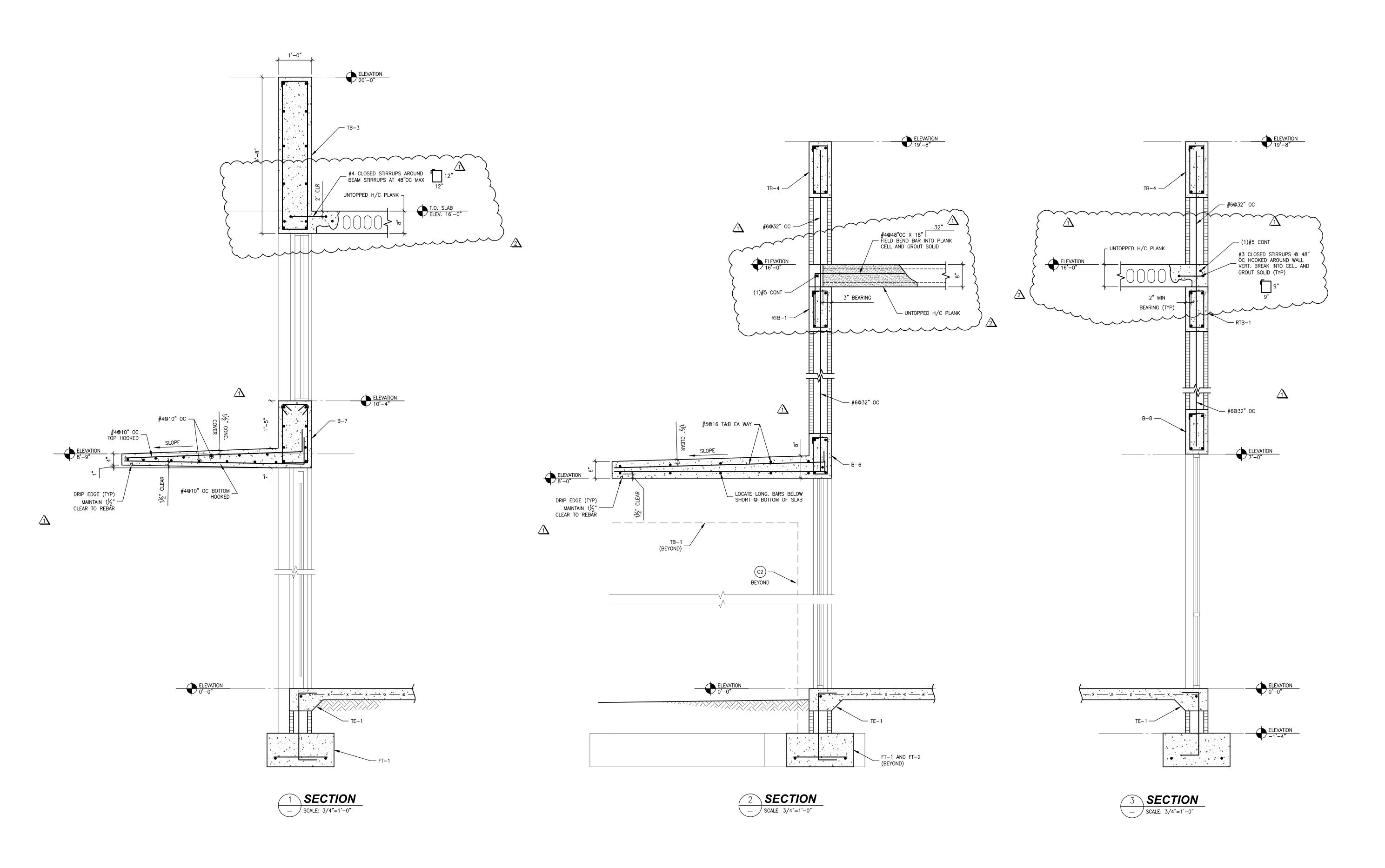
AVENUE, SUITE #105

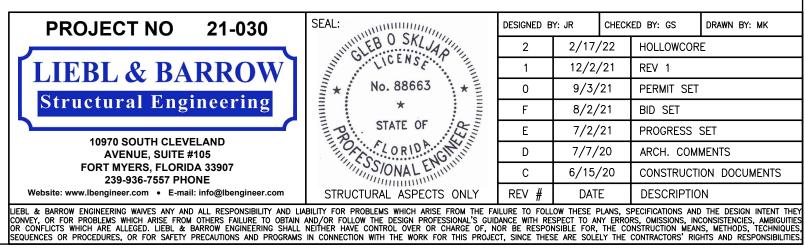
FORT MYERS, FLORIDA 33907

239-936-7557 PHONE

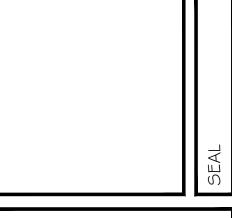
Website: www.lbengineer.com • E-mail: info@lbengineer.com

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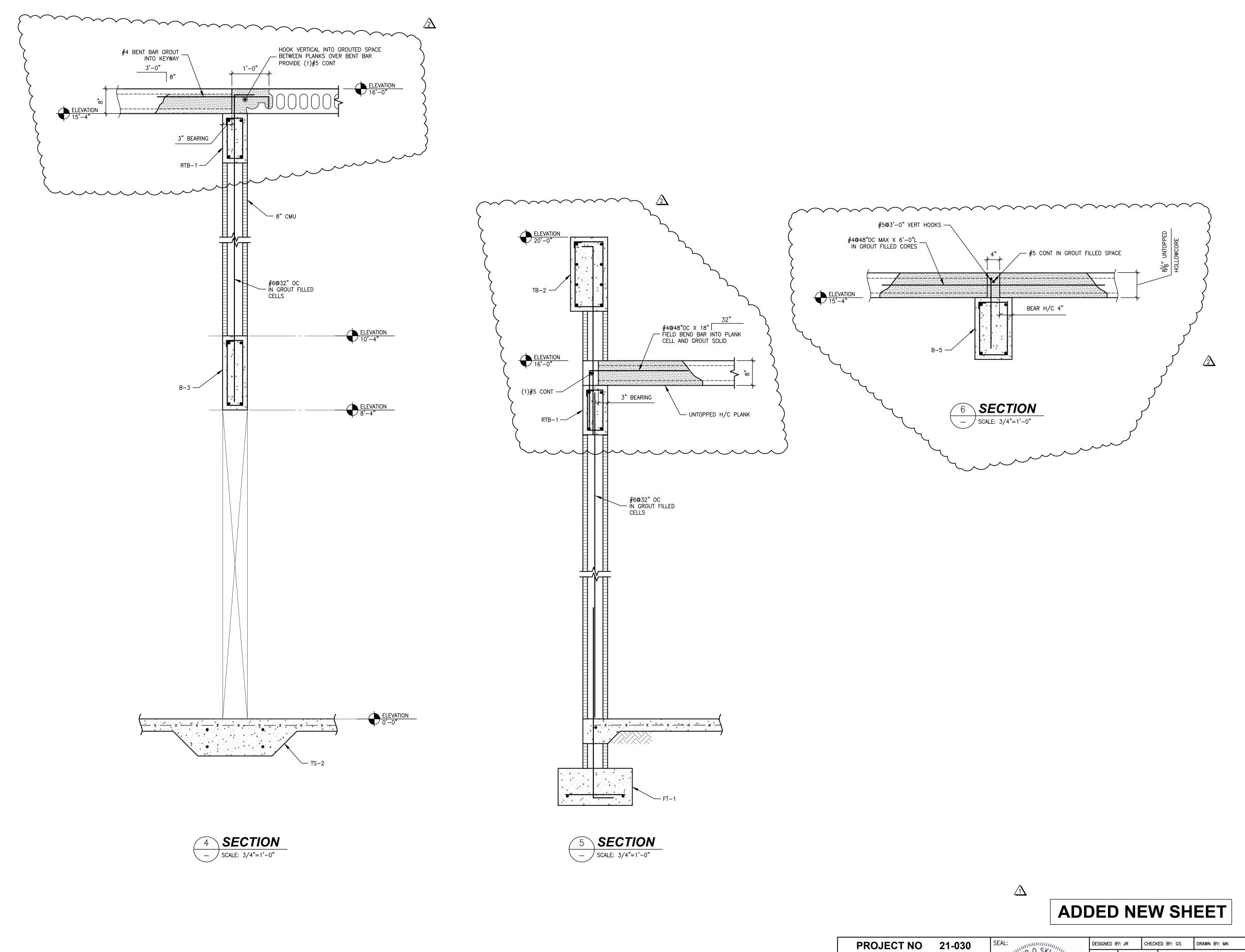


SECTIONS & DETAILS

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LIEBL & BARROW

Structural Engineering

10970 SOUTH CLEVELAND AVENUE, SUITE #105 FORT MYERS, FLORIDA 33907

239-936-7557 PHONE

No. 88663

STATE OF

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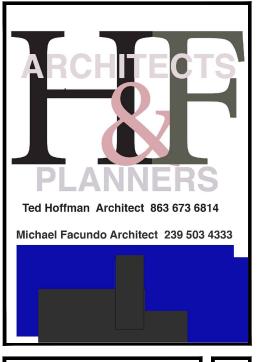
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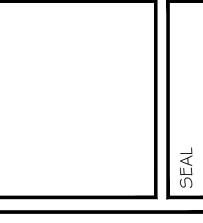
REV # DATE

DESCRIPTION

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2/17/22 HOLLOWCORE 12/2/21 REV 1





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**SECTIONS & DETAILS** 

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								Α	IR CO	NDIT	IONIN	IG EQUI	PMEN	NT SCH	IEDULE										
	GENERAL					CON	NDENSING (	JNIT							AIR H	ANDLER					Н	IEATER			
Mark	Location Served	Mfg	Mar	·k	Model	Nom Tons	Volts	RLA	MCA	МОР	SEER	Stage		Mark	Model	Total CFM	OA ESP CFM in H <sub>2</sub> (	Volts	FLA	Model	Volts	kW	Amps	MOP	Moui
												FLOOR 1													
AC	1	Trane	CU	1	4TTR7060	5.0	208/1	32.1	41.0	60	16.3	2	AHU	1	TAM9A0C60	1830	0.5	208/1	6.4	BAYEAAC10	208/1	7.2	51.0	60.0	Inte
AC	2	Trane	CU	2	4TTR6030	2.5	208/1	12.8	17.0	25	17.0	1	AHU	2	TAM9A0B30	875	0.5	208/1	3.5	BAYEAAC08	208/1	5.8	39.0	40.0	Inte

1 Refrigerant piping systems shall be provided as recommended by each system manufacturer. Brazed joints will be made utilizing 15% silver brazing road. Suction lines shall be insulated with 3/4" wall AP Armaflex. Insulated refrigerant pipe shall be supported with Hydra-Zorb Cushion Clamp or equal.

2 Provide all manufacturer's corrosion protection options sufficient to maintain all standard equipment warranties at the intended project installation location (seacoast areas specifically included)

3 Air handlers with unit mounted electric heaters shall be arranged to accept a single circuit electrical power connection (kit BAYSPEK200A may be required).

4 Each evaporator coil shall be provided with an electronic expansion valve

5 Single or multiple systems serving a single space with an aggregate air circulation of 2,000 cfm or more shall be provided with a duct mounted automatic smoke detector (SD) located in the supply air stream. See electrical and fire alarm drawings for requirements.

6 Provide Trane Perfect Fit Air Cleaners with 5" 30% efficiency pleated filters, Ducted Minisplits to have filter box accessory with 2" pleated filters. For pleated disposable filters three sets are requried. One construction set, one T&B set, and one set i

nstalled at owner turn over. For residences not receiving T&B, only two sets of filters are required.

7 Provide secondary (emergency) condensate drain shut down switch8 Space temperature controls:

- Provide Honeywell Pro 8000 Thermostat with Redlink TH8321R1001, Substitutions will not be accepted.

- provide primary and secondary condensate shutdown switch.

- Set fan for auto fan operation.

9 Provide spring closed power open 24VAC motorized outside air damper American Aldes 23 0\*\*NCES or equal. Belimo actuators are not permitted for residential living units. Interlocked to compressor operation.

	BUILDING OUTSIDE AIR AND AIR BALANCE CALCULATIONS (ASHRAE 62)																				
Outdoor Air Source	Cooling System (CU/PKG UNIT)	Cooling System (AHU)	Room	Room Type	Az	People Per 1,000 SF	Pz	Rp	Ra	Rv	Vbz	Vbs	Quantity	OA	Exhaust System	Fixtures (Toilets/ Showers)	ERf	ERa	Ebz	Ebs	Exhaust
			1.112	Office Space	216	5	2	5.0	0.06	0.00	23	25	1	25			0	0.00	0	0	0
			2.113	Office Space	188	5	1	5.0	0.06	0.00	16	20	1	20			0	0.00	0	0	0
			3.114	Office Space	196	5	1	5.0	0.06	0.00	17	20	1	20			0	0.00	0	0	0
			HC Bgath #2 117	Toilets - Private	52	0	0	0.0	0.00	0.00	0	0	1	0		1	50	0.00	50	50	50
			1	Toilets - Private	52	0	0	0.0	0.00	0.00	0	0	1	0		1	50	0.00	50	50	50
AHU-1	AC-1	AHU-1	Corridor 115	Corridors	188	0	0	0.0	0.06	0.00	11	15	1	15			0	0.00	0	0	0
			Mech 111	Office Space	27	5	1	5.0	0.06	0.00	7	10	1	10			0	0.00	0	0	0
			Conference 110 Sink Side	Office Space	210	5	2	5.0	0.06	0.00	23	25	1	25			0	0.00	0	0	0
			Conference 110 Entry Door Side	Office Space	305	5	2	5.0	0.06	0.00	28	30	1	30			0	0.00	0	0	0
			Lobby 110	Main Entry Lobbies	216	10	3	5.0	0.06	0.00	28	30	1	30			0	0.00	0	0	0
			Subtotal		1,650		12				153	175		175					100	100	100
			Leasing 101	Office Space	167	5	1	5.0	0.06	0.00	15	20	1	20			0	0.00	0	0	0
			Office 102	Office Space	202	5	2	5.0	0.06	0.00	22	25	1	25			0	0.00	0	0	0
			Mech Ac 104	Cell	39	25	1	5.0	0.12	0.00	10	10	1	10			0	0.00	0	0	0
			Storage 103	Occupiable Storage	43	2	1	5.0	0.06	0.00	8	10	1	10			0	0.00	0	0	0
AHU-2	AC-2	AHU-2	Corriidor 105	Corridors	128	0	0	0.0	0.06	0.00	8	10	1	10			0	0.00	0	0	0
A110-2	A0-2	A110-2	Stoage 109	Occupiable Storage	46	2	1	5.0	0.06	0.00	8	10	1	10			0	0.00	0	0	0
			1.108	Office Space	177	5	1	5.0	0.06	0.00	16	20	1	20			0	0.00	0	0	0
			2.107	Office Space	202	5	2	5.0	0.06	0.00	22	25	1	25			0	0.00	0	0	0
			3.107	Office Space	195	5	1	5.0	0.06	0.00	17	20	1	20			0	0.00	0	0	0
			Subtotal		1,199		10				124	150		150					0	0	0
			Grand Totals		2,849		22							325					100	100	100

Note: Pz, Zone population is based on furniture plans and owner input

 $Vbz = (Pz \times Rp) + (Ra \times Az)$ 

Az = Zone Area sf

Pz = Zone population Rp = Outdoor air flow rate, CFM per person

Ra = Outdoor air flow rate, CFM per square foot Vbz = Calculated Zone Outdoor Air Rate CFM

Vbs = Selected Zone Outdoor Air Rate CFM

OA = Selected Zone Outdoor Air Rate CFM ERf = Exhaust air flow rate, CFM per fixture unit

ERa = Exhaust air flow rate, CFM per square foot

Ebz = Calculated Zone Exhaust Air Rate CFM
Ebs = Selected Zone Exhaust Air Rate CFM

Rv = Airflow Rate per unit volume (Private Residence only)

	VENTILATION EQUIPMENT SCHEDULE											
Mark	Service	Mfg.	Model	Mounting	CFM	ESP	Duct	Sones	Volts	Watts		
EF 1	Bath Exhaust	Broan	LP50100DC	Ceiling	100	0.20	4	0.3	115	7.5		
L 1	Stationary Louvers - Exterior	Ruskin	EME6325D	Wall	-	-	-	-	-	-		
G 1	Gravity Exhaust/Intake	Price	PR8	Roof	-	-	-	-	-	-		

#### Notes

- Field measure for actual dimensions of all louvers
- 2 Louvers to match architectural specifications for paint color, water proofing requirements etc.
- 3 Louvers are to be Miami-Dade rated AMCA 540 & AMCA 550
- Bath fans to be interlocked to lights in each bath.
  Provide standard roof curb with wood nailer for all gooseneck vents

DUCT MATERIAL SCHEDULE											
Application	Location	Material	Insulation								
Exhaust ductwork	Bath Exhaust	30 gauge snap-lock sheet metal	None								
OA Ductwork	OA Duct Above Ceiling	Galvanized Sheetmetal - Gauge per SMACNA	2-3/16" .75 PCF External fiberglass duct wrap								
Supply and Return	Supply and Return Trunks	1-1/2" R-6 fiberglass duct board	None								
Supply and Netum	Supply and Return Run Outs	Snap-lock to within 10' of diffusers with flex duct where shown	2-3/16" .75 PCF External fiberglass duct wrap								

#### Notes

- tes
  1 All sheet metal, rigid, and flexible ductwork shall be constructed and installed per SMACNA standards and Table 603 of the Florida Mechanical Code.
- 2 All sheet metal ductwork shall be constructed with R/W = 1.0 radiused turns and fiberglass ductwork shall be constructed with mitered turns unless indicated otherwise
- 3 All duct insulation R values shall meet energy code minimums. Minimum insulation value shall be R-6.
- 4 All transverse joints, longitudinal seams and duct wall penetration of ducts and joints with other air distribution systems components shall be mechanically sealed using mastic.
- 5 Horizontal flexible ducts shall be supported at intervals not greater than 5' with a minimum of 2" wide duct strap. Maximum flexible duct run 10'.
- 6 Flexible duct shall have scrim reinforced metallic polyester vapor barrier insulation jacket.
- 6 Volume and control dampers installed in insulated duct shall have insulation stand off.

	HVAC Load Summary																
		Zone			Load Peak		Outdoor Conditions			Indoor Conditions			Diff	Cooling			Heating
System	Zone Description	Area	OA	Doonlo	Month	Time	DB	WB	Grains	DB	WB	Grains	Grains	Latent	Sensible	Total	Total
		(SF)	UA	People	Worth	Time	(F°)	(F°)	(gr/lb)	(F°)	(F°)	(gr/lb)	(gr/lb)	(Btuh)	(Btuh)	(Btuh)	(Btuh)
						FLOO	R 1										
AC - 1	Leasing Office Lobby/Conference	1,650	175	12	AUG	5 PM	92	78	122	75	63	66	56	12,205	43,023	55,228	30,690
AC - 2	Leasing Office - Offices	1,174	150	10	AUG	5 PM	92	78	122	75	63	66	56	8,113	18,841	26,954	15,892
Scheduled Outdoor Conditions are time of peak loads.																	
Loads are cal	Loads are calculated using the CLTD method.																

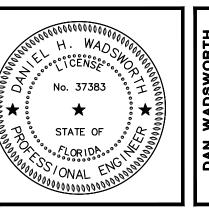
	AIR DISTRIBUTION SCHEDULE												
Tag	g Area Served	Туре	MFG	Model	Notes								
CC	Grid Ceilings	Lay In Supply - Airflow Patern Per Plan	Price	AMD	Aluminum Construction Lay-in panel White Finish 1 Way Throw Supply Diffuser, Core Size Per Pla								
SW	/ Sidewall Grill	Sidewall Supply Grill	Price	620	Aluminum construction double deflection, Size Per Plans								
LR	Grid Ceilings/Sidewall	Lay in/Sidewall Louverd Face Return	Price	630	Aluminum Construction, White Finish, Blades Parallel To Long Dimension, 3/4" Blade Spacing								
Notes													

- 1 All air distribution shall be aluminum with white finish unless otherwise noted.
- 2 Linear Grills may require field fabricated plenums. Minimum depth for field fabricated plenums is 18". Evenly distribute airflow with flexible duct connection every 18" if field fabricated plenum is used.
  3 Linear Plenums may be constructed of 1-1/2" duct board in leu of Sheetmetal plenums. Sheet metal plenums shall be insulated with 1" closed cell insulation equal to AP Armaflex Sheet.
- 4 Rectangular diffuser and grill back pans shall be insulated with minimum R-6 duct wrap.
- 5 All run outs shall have manual balancing dampers. If area is inaccessible remote operated electrically driven dampers shall be provided equal to Young Regulator EBD Electronic balancing damper.

20-105	HVAC SHEE	T INDEX
Sheet No.	Sheet Title	Scale
M0.01	Schedules	No Scale
M0.02	Details	No Scale
M1.00	First Floor Plan	1/4"=1'-0"
M2.00	Roof Plan	1/4"=1'-0"

WADSWORTH O'NEAL ASSOCIATES
4575 VIA ROYALE
FORT MYERS, FL 33919
(239) 245-8728
COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383
PROJECT NO. 20-105

Mounting
Integral
Integral
insulated
PLANNERS
Ted Hoffman Architect 863 673 6814
Michael Facundo Architect 239 503 4333



CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA

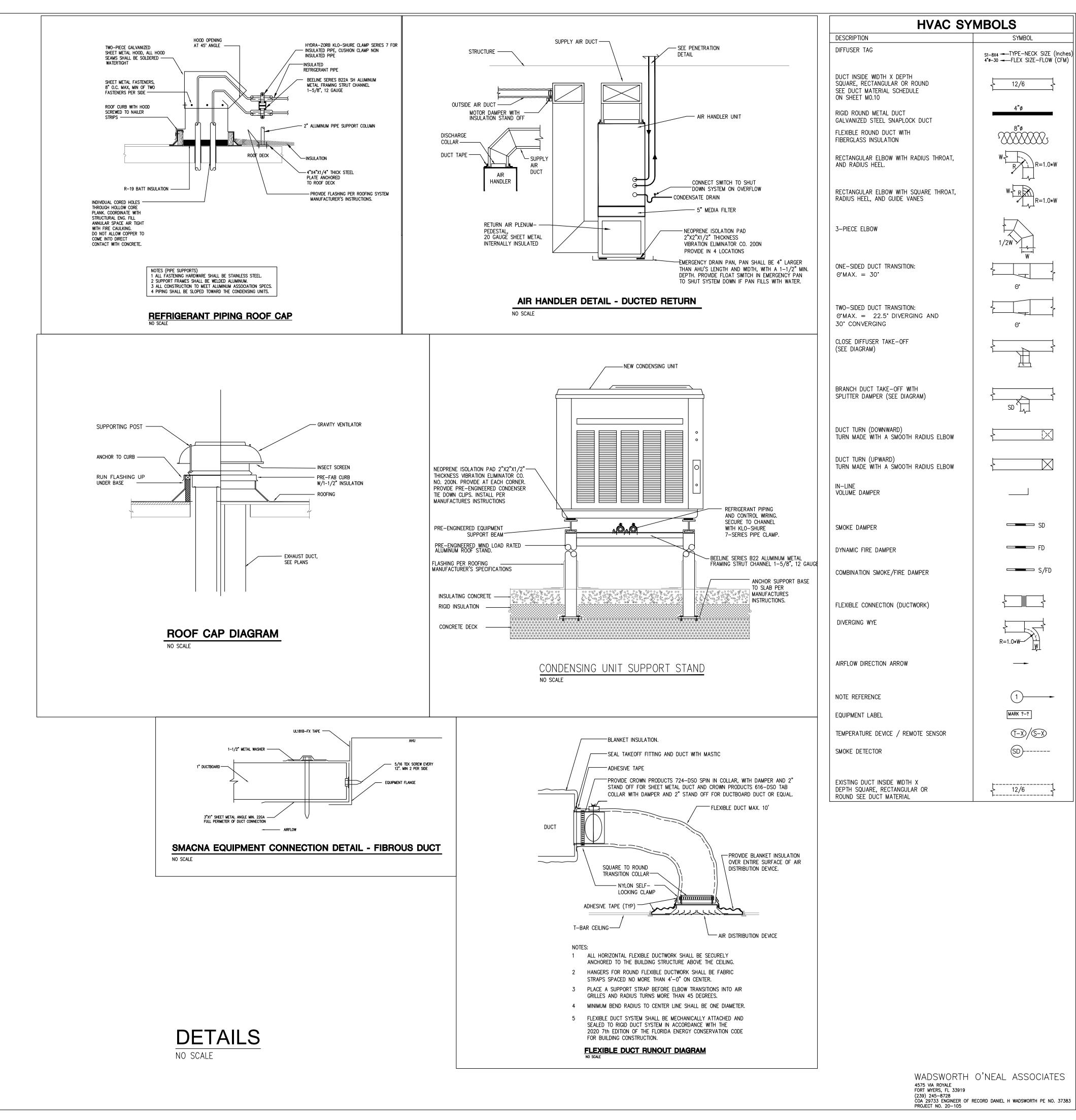


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SCHEDULES

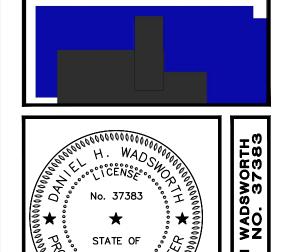


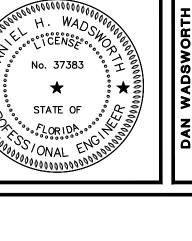
ARCHITECTS

PLANNERS

Ted Hoffman Architect 863 673 6814

Michael Facundo Architect 239 503 4333





CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA



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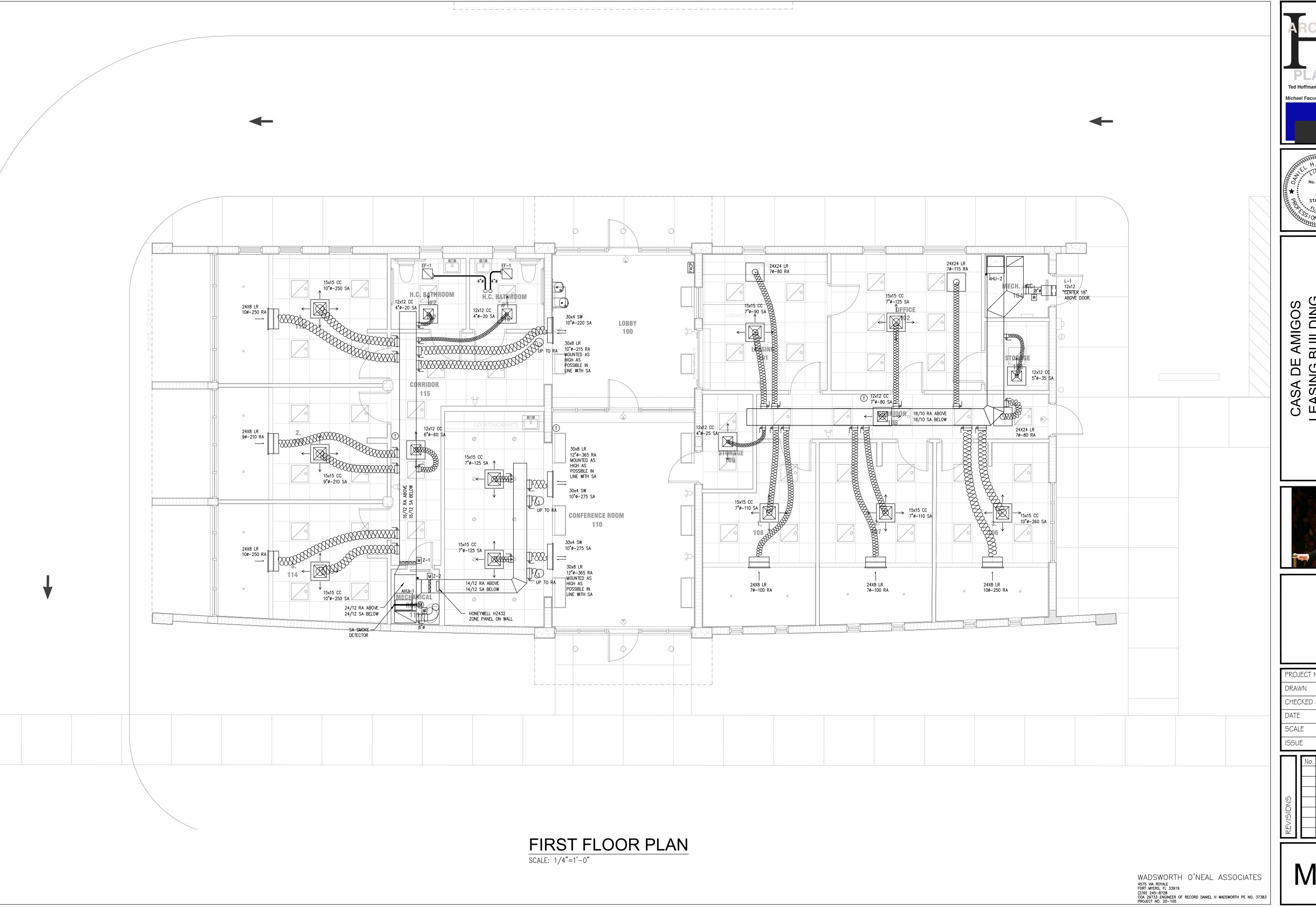
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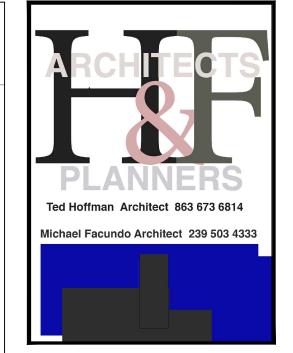
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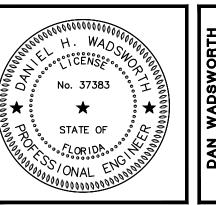
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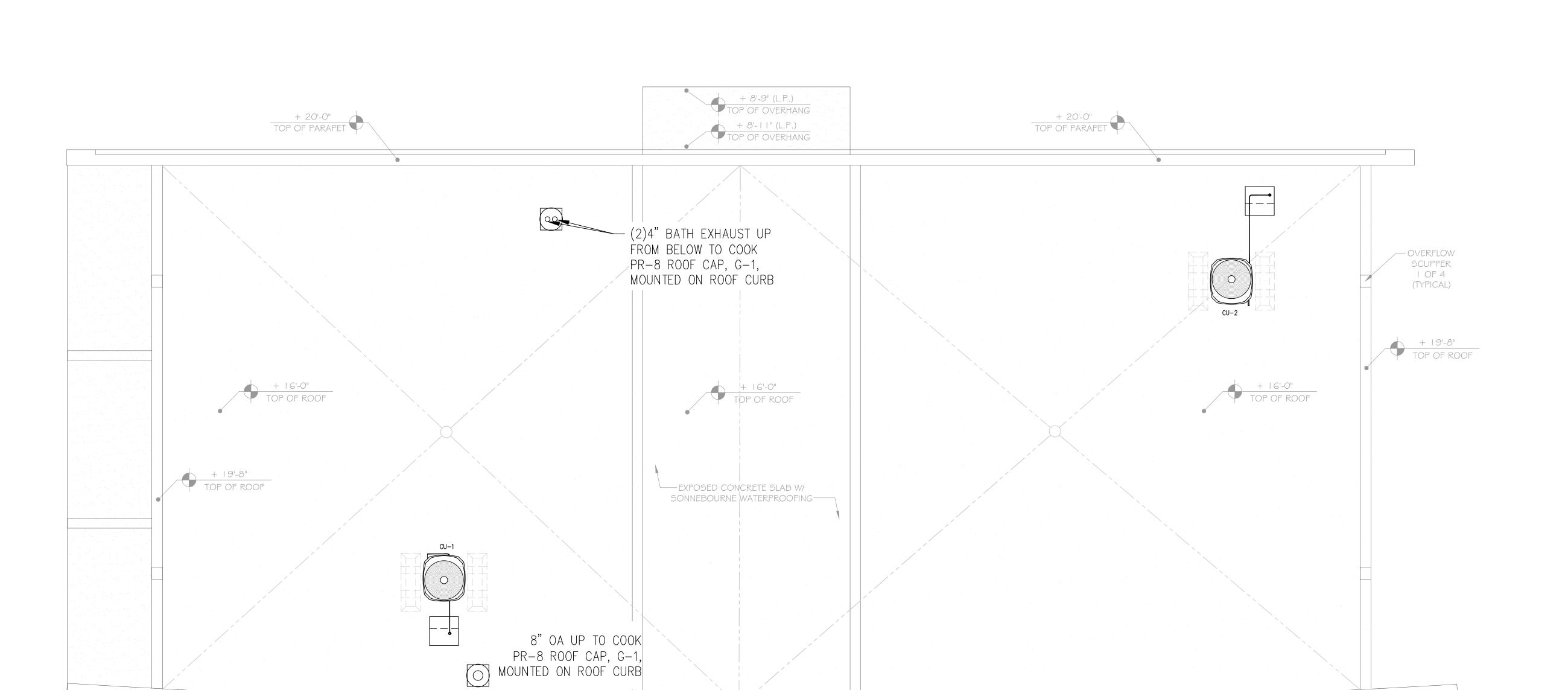




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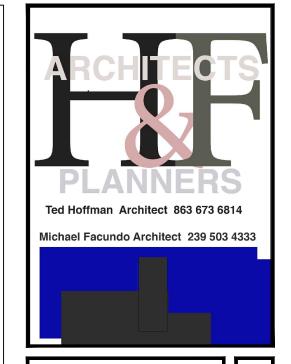
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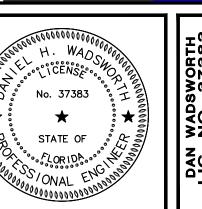


+ 8'-11" (L.P.)
TOP OF OVERHANG

+ 8'-9" (L.P.)
TOP OF OVERHANG

+ 20'-0"
TOP OF PARAPET





CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA



	PROJECT No.	
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	CHECKED	
	DATE	09-27-2021
	SCALE	
	ISSUE	

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+ 20'-0"
TOP OF PARAPET

TYPE	DESCRIPTION	VOLTAGE	MOUNTING	LAMP	WATTS	LUMENS	DIM	TEMP REMARKS	Manufacturer	Model
C1	7" Surface Downlight	120	J-Box	LED	13	1000	Univ	3500K see note 1	Juno	JSF 7IN 10LM 35K 90CRI 120FRPC WH
DL1	2" Surface Downlight Cylinder	120	J-Box	LED	32	2000	Univ	3500K Confirm mounting compatible with poured concrete ceiling	g Gotham	EVO2SC 35/20 AR LSS ND MVOLT UGZ SGB DNAT
DL2	4" LED Wafer	120	Recessed	LED	10	780	Phase	3500K	Lithonia	WF4 LED 27K30K35K 90CRI MW
L1	24" LED Wraparound (wall mounted)	120	Surface	LED	29	3200	-	4000K	Lithonia	FMLWL 24 8 40 MVOLT
M1	Ext. Flood - Wall Mural	120	Ground	LED	21	2300	-	4000K see note 2 for field located information	Lithonia	OFL1 LED P1 40K MVOLT YK DDBXD
T1	2 x 2 LED Panel	120	Grid	LED	20	2400	0-10V	3500K Select lowest lumens at installation	Lithonia	CPANL 2X2 24/33/44LM 35K M4
UL1	24" Asymmetrical Uplight	120	Wall J-Box	LED	120	13100	0-10V	3500K	alight	ANGWC4 SEH1 INT 24LONG AL1A4 35K MVOLT CA SGV
UL2	36" Asymmetrical Uplight	120	Wall J-Box	LED	120	19300	0-10V	3500K	alight	ANGWC4 SEH1 INT 36LONG AL1A4 35K MVOLT CA SG\
W1	Architectural Rough Service Sconce	120	Wall J-Box	LED	20	900	-	3500K	Lithonia	VG05C 25LED 120 [FINISH] LPI
EX1	Indoor Exit Light	120	Surface	LED	-	-	-	- Green lettering	Lithonia	LQM S 3 G EL N SD
EM1	Indoor EM Light	120	Surface	LED	-	-	-	-	Lithonia	EU2L

1. Mount to underside of canopy using recessed j-box; back box is available for surface mounted conduit

2. Designation followed with "v" indicates wire size increased due to voltage drop.

13,000 1.00 13,000

2,000 1.00 2,000

- 1.00

- 1.00 - 1.25

fault current and the date the calculation was performed.

Heat Pumps:

Kitchen: Elevators:

Totals (VA):

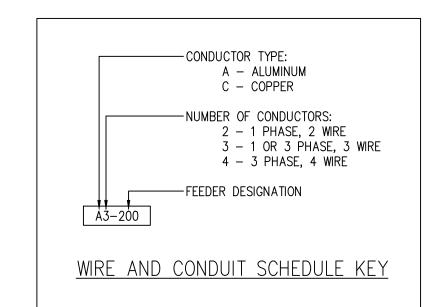
Electric Space Heating

Continuous Loads:

Non-continuous Loads

- 2. Coordinate location of wall/mural flood lights with owner prior to installation; fixtures should be positioned to minimize interference with landscape maintenance activities, and pedestrians; contractor to provide a suitable mounting base for selected mounting options
- 3. Finishes to be approved by architect/owner prior to release of order

		3 P	hase, 4 Wire		3 or 1	l Phase, 3 Wire	!	1 F	Phase, 2 Wire	
	Parallel	Conductors	Ground	Conduit	Conductors	Ground	Conduit	Conductors	Ground	Condui
Designation	Runs	(AWG/kcmil)	(AWG/kcmil)		(AWG/kcmil)	(AWG/kcmil)		(AWG/kcmil)	(AWG/kcmil)	
C20	1	4 # 12	1 # 12	3/4"	3 # 12	1 # 12	3/4"	2 # 12	1 # 12	3/4"
C30	1	4 # 10	1 # 10	3/4"	3 # 10	1 # 10	3/4"	2 # 10	1 # 10	3/4"
C40	1	4#8	1 # 10	1"	3#8	1 # 10	3/4"	2#8	1 # 10	3/4"
C60	1	4#6	1 # 10	1"	3#6	1 # 10	1"	2#6	1 # 10	3/4"
C70	1	4 # 4	1#8	1-1/2"	3 # 4	1#8	1-1/2"	2#4	1#8	1"
C90	1	4#3	1#8	1-1/2"	3 # 3	1#8	1-1/2"	2#3	1#8	1"
C100	1	4#2	1#8	1-1/2"	3 # 2	1#8	1-1/2"	2#2	1#8	1"
C110	1	4 # 1	1#6	1-1/2"	3 # 1	1#6	1-1/2"	2#1	1#6	1-1/2"
C150	1	4 # 1/0	1#6	2"	3 # 1/0	1#6	1-1/2"	2 # 1/0	1#6	1-1/2"
C175	1	4 # 2/0	1#6	2"	3 # 2/0	1#6	2"	2 # 2/0	1#6	1-1/2"
C200	1	4 # 3/0	1#6	2"	3 # 3/0	1#6	2"	2 # 3/0	1#6	1-1/2"
C225	1	4 # 4/0	1 # 4	3"	3 # 4/0	1 # 4	2"	-	-	-
C250	1	4 # 250	1 # 4	3"	3 # 250	1 # 4	3"	-	-	-
C300	1	4 # 350	1 # 4	3"	3 # 350	1 # 4	3"	-	-	-
C400	1	4 # 500	1 # 3	3-1/2"	3 # 500	1 # 3	3"	-	-	-
C500	2	4 # 250	1#2	3"	3 # 250	1#2	3"	-	=	-
C600	2	4 # 350	1 # 1	3"	3 # 350	1#1	3"	-	-	-



	ANEL: H2 (208,		,	reakers	Wire and				Load (VA) Wire and				Break	ers		Т		
#				Options	Conduit	А	Load (VA) B	С	1	Α	B	С	Conduit	Options			Description	#
1	Conference Room Rcpts	20	1		C2-20	900			Α	500			C2-20		1	20	Conf Lighting	2
3	Conference Room Rcpts	20	1		C2-20		1,080		В		300		C2-20		1	20	Lobby/RR/Corr Lts	4
5	Office 106-108 Lts	20	1		C2-20			390	С			500	C2-20		1	20	Staff/Lease Lights	6
7	103,104,105,109 Lts	20	1		C2-20	300			Α	500			C2-20		1	20	Office Lights	8
9	Exterior Rcpts	20	1		C2-20		540		В		500		C2-20	PC/PC	1	20	Exterior Lighting	1
11	Reception/RR/Corr Rcpts	20	1		C2-20			720	С			1,000	C3-20		2	20	EWH	1
13	Office 1 Rcpts	20	1		C2-20	900			Α	1,000							-	1
15	Office 2 Rcpts	20	1		C2-20		900		В		360		C2-20		1	20	Roof Mech Rcpt	1
17	Office 3 Rcpts	20	1		C2-20			900	С			3,852	C3-60		2	60	CU-1	1
19	Lobby/Leasing Rcpts	20	1		C2-20	1,620			Α	3,852							-	2
21	Office 102 Rcpts	20	1		C2-20		1,080		В		4,368		C3-60		2	60	AHU-1	2
23	CU-2	25	2		C3-30			1,536	С			4,368					-	2
25	-					1,536			Α	-							Space	2
27	AHU-2	40	2		C3-40		3,320		В		-						Space	2
29	-							3,320	С			-					Space	3
31	Office 108 Rcpts	20	1		C2-20	900			Α	-							Space	3
33	Office 107 Rcpts	20	1		C2-20		900		В		-						Space	3
35	Office 106 Rcpts	20	1		C2-20			900	С			-		~			space VVV	3
37	Space					-			Α	-				(	3	30	SPD	3
39	Space						-		В		-			<b>\</b>			-	4
41	Space							-	С			-					-	4
37 39	Space Space Space	20	1	Connected	Demand		-	Connected	A B C	. ,		- Panel Opti			3	Circuit	SPD Breaker Options	
	Load Description			Load (VA)		Load (VA)		Phase A:		12,008	<u> </u>	<u> </u>	208Y/120\		.)		Arc Fault Circuit Interrupte	
	Lighting:			2,990	1.25	3,738		Phase B:		13,348		Mains:	200AMCB		-		GFCI-Personnel (4-6 mA)	
	Receptacles - First 10 kVA			10,000	1.00	10,000		Phase C:		17,486		Rating:	See Riser		_		GFCI-Equipment (30 mA)	
	Receptacles - Over 10 kVA	λ:		1,700	0.50	850		Total (VA):		42,842			Bus Rating		_	GFP	Ground Fault Protection	
	Motors:			2,376	1.00	2,376						Mounting:		Flush	_	ST	Shunt Trip	
	Largest Motor:			1,536	0.25	384						Enclosure		NEMA 1	_		CB Lock in Closed Position	
	Air Conditioning:			10,776	-	-		Panel Ser	<i>i</i> ice			Is olated G	round:	No		L-OFF	CB Lock in Open Position	1

Total (A):			90						
<b></b>		<b>~~</b>	<b>\\\\</b>	<b>\\\\\</b>	<b>~~~</b>		<b>~~~</b>		<u></u>
	,	SERV	ICE EQUIF	PMENT AVAIL	_ABLE I	FAULT (	CURRENT	Γ	
			Estimated	Conductor	Conductor	Fault			
Service Equipment	Voltage	Phase	Feeder Length	Description	Material	Current (A)	Date	Comments	
Panel H2	120/208	3	305'	(1) Set #250	AL	4,270	10/9/2020	LCEC 300KVA XFRMR	
Notes  1 NFC Article 110	24 require	es service	e equipment in oth	ner than dwelling unit	s to be legib	ly and durab	ly marked in the	e field with the maximum availat	ble

2. NEC Article 110.9 requires equipment to have an interrupt rating at the nominal circuit voltage at least equal to the available fault current at the

Sub-feed Lugs:

Feed-thru Lugs:

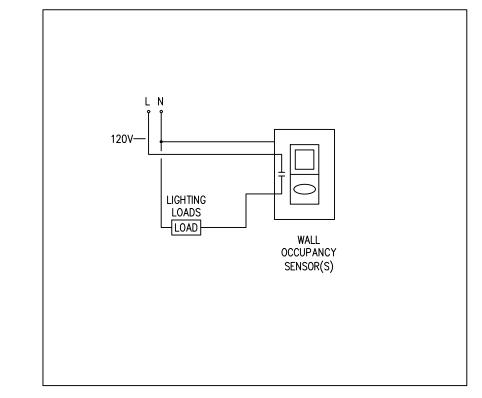
TC/TC Timeclock On/Timeclock Off

PC/TC Photocell On/Timeclock Off

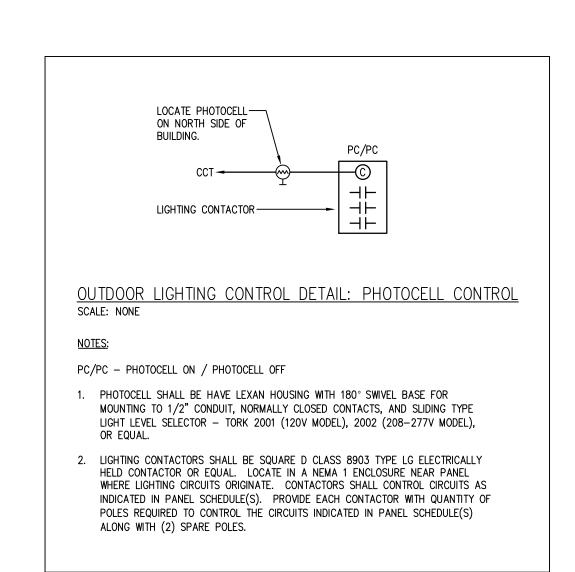
PC/PC Photocell On/Photocell Off

See Wire and Conduit Schedule

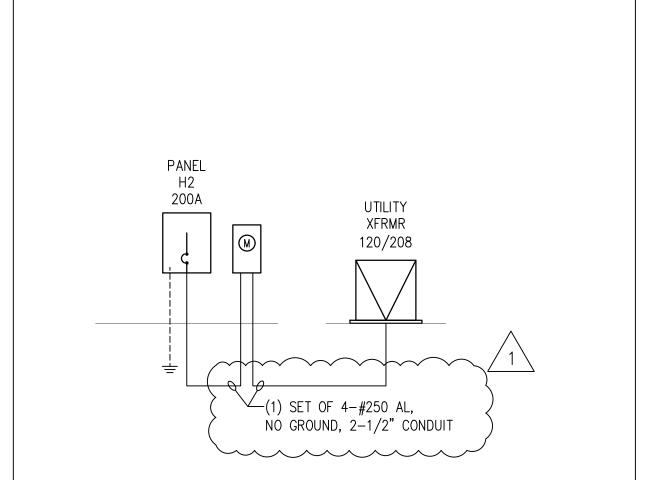
for wire and conduit sizes.



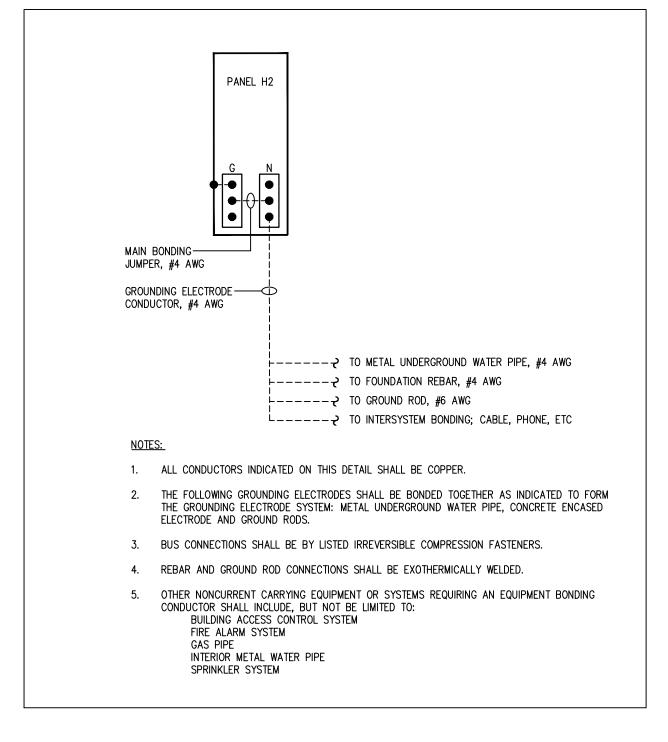
## WALL OCCUPANCY SENSOR



#### ELECTRICAL SYMBOLS Description Symbol M Panel and circuit number indicated C = Recessed clock hanger type W = Wall phone at 54" AFF DL = Damp location cover ecessed mounted wall wash lighting fixture — ceiling IG = Isolated ground Voice/Data outlet - wall • L/R = Rooftop light and receptacle T = Tamper resistant WL = Wet location cover Duplex receptacle — 125V Installed 8" above counter, or 48" AFF if no counter Duplex receptacle split wired - 125V Structured media center <del>-----</del> Bottom receptacle switched Pendant mounted lighting fixture FCI Duplex receptacle — 125V $\nabla \nabla \nabla$ ₽ Installed 8" above counter, or 48" AFF if no counter Quadruplex receptacle — 125V Shading indicates emergency fixture Recessed mounted lighting fixture - ceiling Quadruplex receptacle - 125V lephone entry — wall Installed 8" above counter, or 48" AFF if no counter C = Camera Single receptacle — 125V rgency pull station (tenant assistance) 1©1 NEMA type as shown on plans Faces and arrows as shown on plans NEMA type as shown on plans S Faces and arrows as shown on plans Emergency lighting battery pack — ceiling Special purpose receptacle Emergency lighting battery pack — wall 埾 /olume control – wall ledot $\blacksquare$ PTZ = Pan, tilt, zoom W = Wall $\odot$ Pole mounted site lighting fixture RISER SYMBOLS A-1,3,5 Homerun to panel 'A', circuit numbers 1,3,5 Single post top site lighting fixture XX-XXX Bollard site lighting fixture Disconnect switch - non-fused 0 떋 ST = Shunt trip Lighting fixture type Panel and circuit number a = Controls lighting fixtures 'a' 4 = 4 way switch K = Key operated bination motor starter – circuit breaker **~H**~ $LV = Low\ voltage$ M = Manual motor starter bination motor starter — fused disconnect switch Ф MC = Momentary contact P = Pilot light Dimmer – incandescent UON $\langle x \rangle$ F = Fluorescent LV = Low voltage l mounted service transformer EXXX 3 = 3-way dimmer Occupancy sensor – ceiling Automatic transfer switch annunciator ATS GEN cupancy sensor — wall switch SPD mergency power off pushbutton Fire alarm terminal cabinet FTR Single/multiple station smoke, carbon monoxide, or combi ation smoke/carbon monoxide alarm — ceiling NAC Single/multiple station smoke, or combination smoke/carbon SCP



# PHOTOCELL LIGHTING CONTROLS



## **SERVICE GROUNDING DIAGRAM**



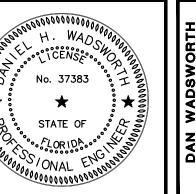
GENERAL NOTE: THIS INSTALLATION SHALL COMPLY WITH THE 2020 FLORIDA

BUILDING CODE AND NFPA 70, 2017 EDITION (NEC).

20-105	ELECTRICAL SHEET INDEX	
Sheet No.	Sheet Title	Scale
E0.01 E1.00 E2.00	Electrical Cover Sheet and Riser Diagram Leasing Office First Floor and Roof Power Plans Leasing Office Lighting Plan	No Scale 1/4"=1'-0" 1/4"=1'-0"

WADSWORTH O'NEAL ASSOCIATES 4575 VIA ROYALE FORT MYERS, FL 33919 (239) 245-8728 COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383 PROJECT NO. 20-105





BUILDING E, FLORIDA **AMIGOS** DE LEASING I IMMOKALEE SA 4

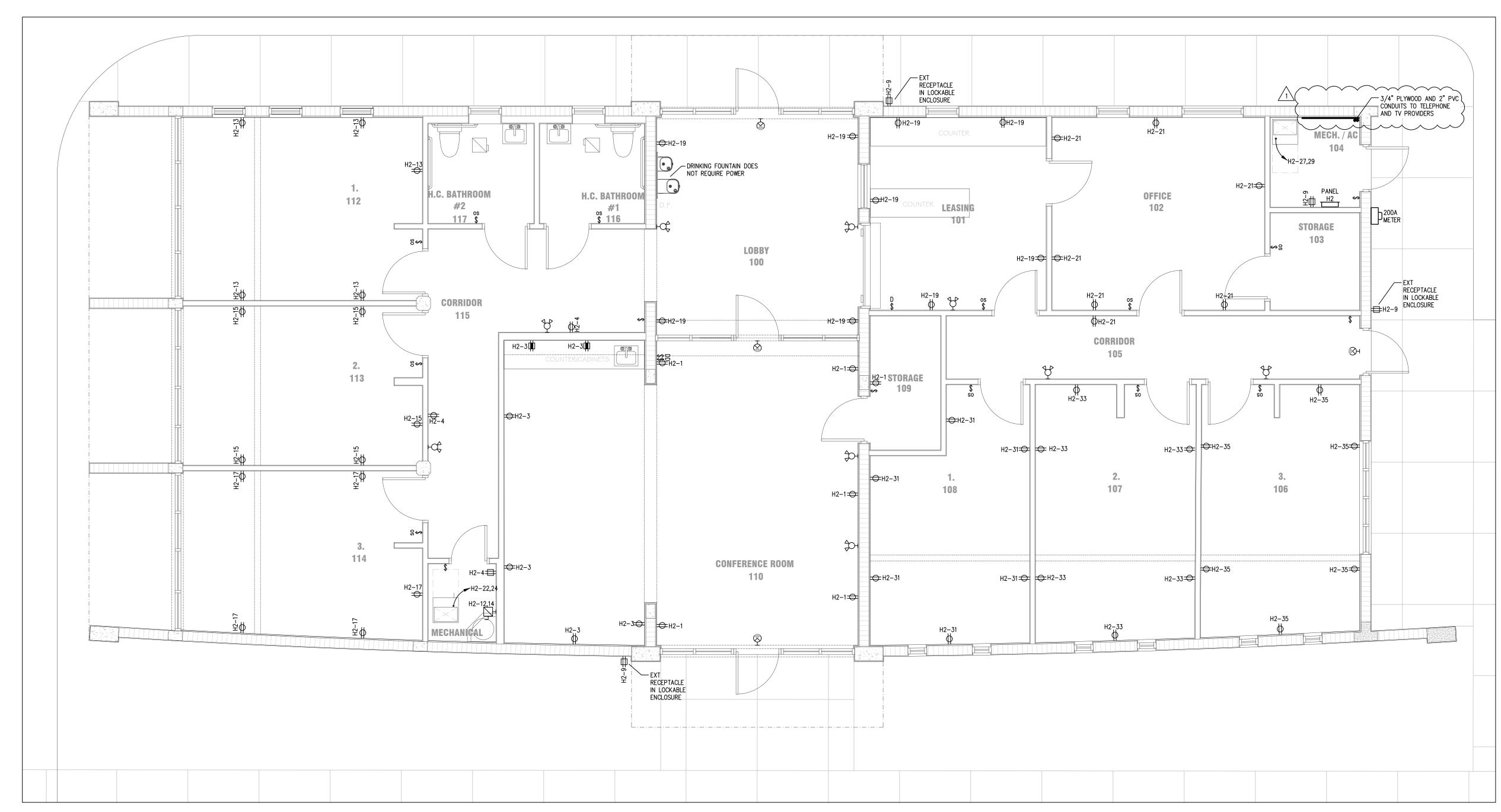


# **ELECTRICAL COVER** SHEET

PROJECT No.	
DRAWN	
CHECKED	
DATE	09-27-2021
SCALE	1/4"
ISSUE	

	No.	DATE	DESCRIPTION
	$\triangle$	9-27-21	JANITOR & DOUBLE DRINKING FOUNTAIN
NS			
REVISIONS			
<u>S</u>			
RE			

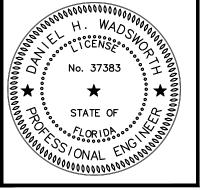
E0.01



# **LEASING OFFICE POWER PLAN**

GENERAL NOTE: THIS PERMIT DOES NOT INCLUDE ANY LOW-VOLTAGE WIRING OR DEVICES FOR DATA, AUDIO, OR VIDEO. THOSE SYSTEMS AND DEVICES WILL BE PERMITTED SEPARATELY.





LEASING BUILDING IMMOKALEE, FLORIDA



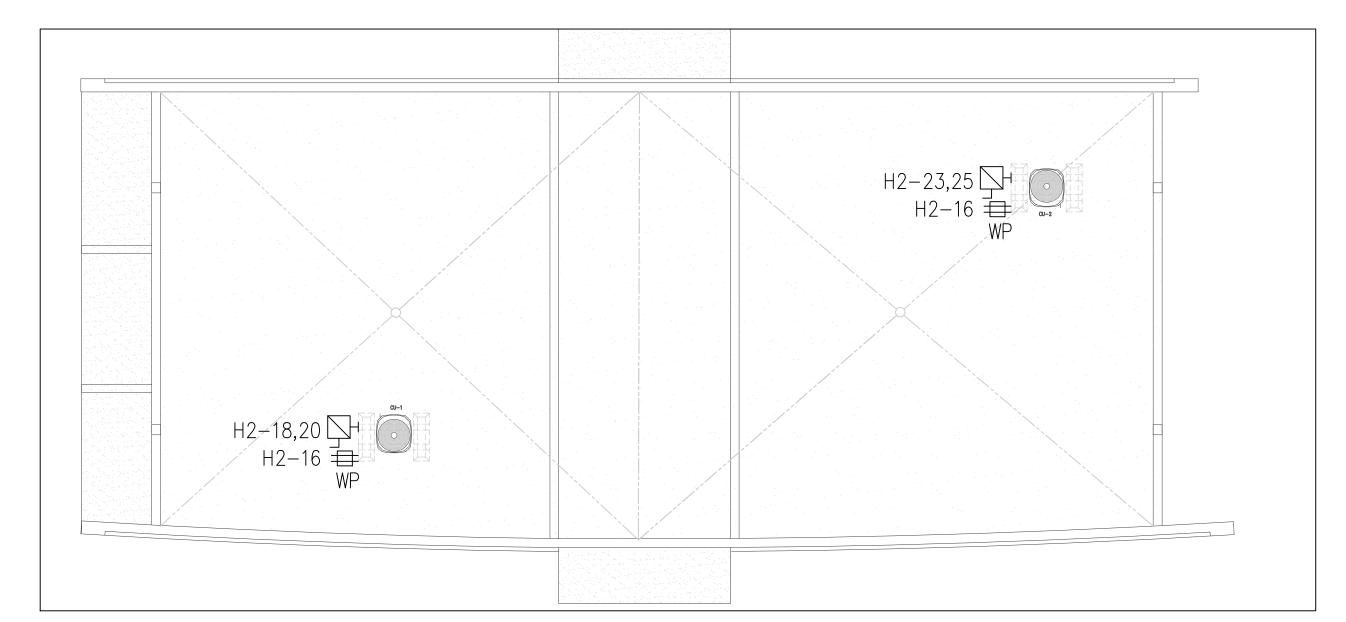
LEASING
OFFICE
ELECTRICAL
PLANS

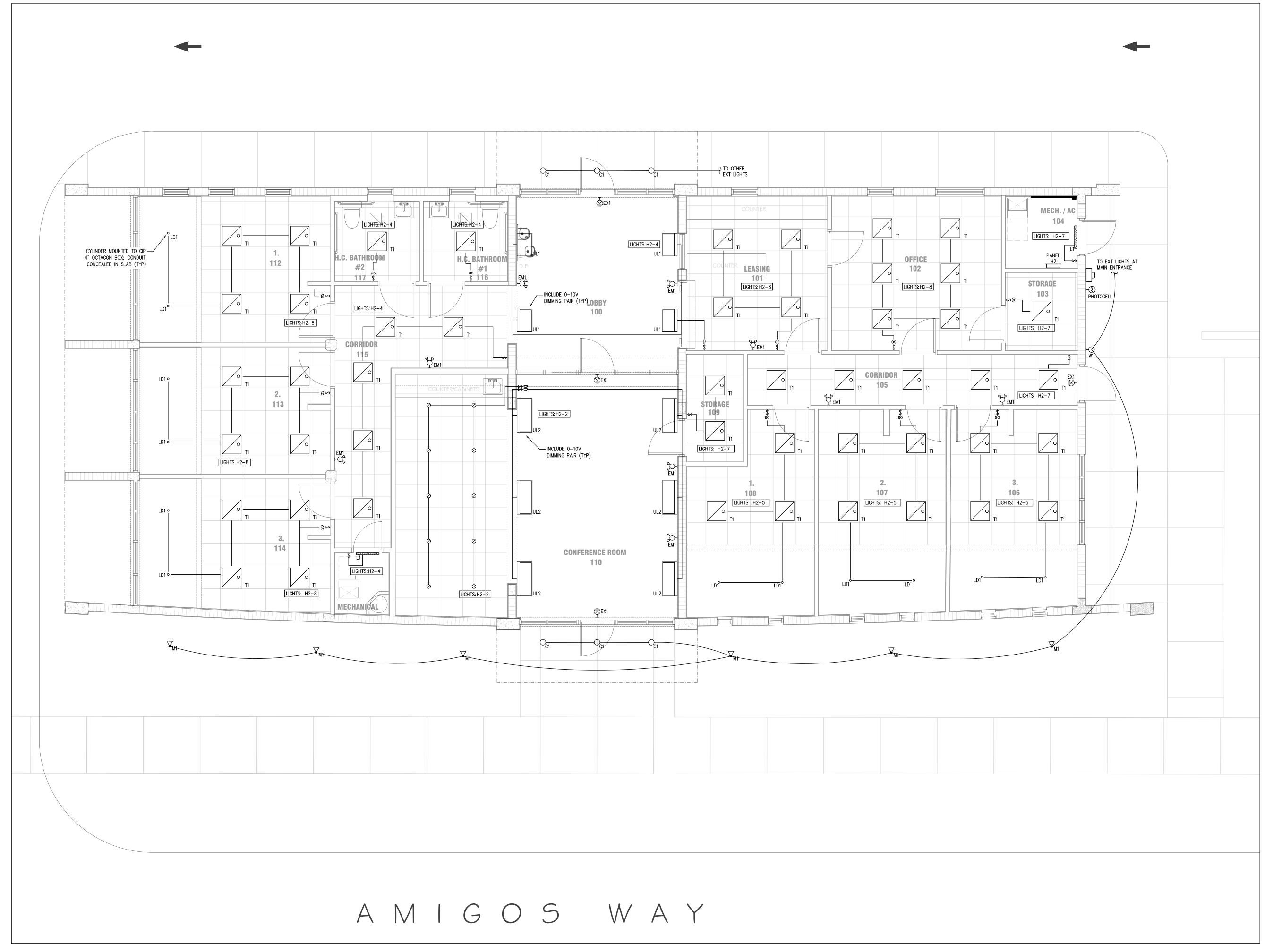
PROJECT No.	
DRAWN	
CHECKED	
DATE	09-27-2021
SCALE	1/4"
ISSUE	

	No.	DATE	DESCRIPTION
	$\triangle$	9-27-21	JANITOR & DOUBLE DRINKING FOUNTAIN
S			
REVISIONS			
VIS			
RF			

E1.00

WADSWORTH O'NEAL ASSOCIATES
4575 VIA ROYALE
FORT MYERS, FL 33919
(239) 245-8728
COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383
PROJECT NO. 20-105





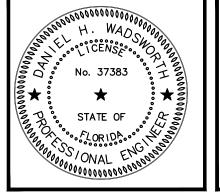
ARCHITECTS

ARCHITECTS

PLANNERS

Ted Hoffman Architect 863 673 6814

Michael Facundo Architect 239 503 4333



CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA



LEASING OFFICE ELECTRICAL PLANS

PROJECT No.	
DRAWN	
CHECKED	
DATE	09-27-2021
SCALE	1/4"
ISSUE	
	DRAWN CHECKED DATE SCALE

	No.	DATE	DESCRIPTION
		9-27-21	JANITOR & DOUBLE DRINKING FOUNTAIN
SN			
REVISIONS			
51/5			
A. P.			

**E2.00** 

Activate station system and multiple station system  Activate subcreace devictor recall  Activate elevator recall  Activate elevator recall  Activate subcrease and virizontal sliding fire doors at rated partitions  X  Activate associated elevator recall  Activate elevator recall  Activate subcrease and virizontal sliding fire doors at rated partitions  Activate elevator recall  Activate elevator recall  Activate elevator recall  Activate elevator recall  Activate subcrease and virizontal sliding fire doors at rated partitions  Activate elevator recall  Activate elevator recall  Activate elevator recall  Activate elevator recall  Activate subcrease and virizontal sliding fire doors at rated partitions  Activate elevator hoistway grees surfaction fran  Activate elevator hoistway grees surfaction fran  Activate elevator hoistway grees surfaction fran  Activate subcrease and controlled surfaction by stem  Activate subcrease and controlled surfaction system  Activate subcrease and controlled system surfaction system activation surfaction system activation surfaction system surfaction surfaction system surfaction system surfac	SYSTEM INPUTS										5	SYSTE	EM OL	JTPUT	S										
Activate subsets and horizontal signal that indicates and distinct signal that indicat		/	Annur	ciatio	n	Noti	ification	1	Eleva	tors												(	Safety	ety	
Smoke detectors X X X X X X X X X X X X X X X X X X X		alam	supervisory	trouble	separate and distinct signal that indicates		Activate occupant notification	associated	associated elevator			power to automatic doors at	shutters and horizontal sliding fire	Close smoke dampers	smoke damper(s) in	air handling units indicated on	Activate stair pressurization fans	associated	Open stair pressurization relief and intake louvers	elevator hoistway	elevator hoistway pressurization sy	smoke control sy		Unlock access-controlled egress doors	Sound system shirtdown
Smoke detectors X X X X X X X X X X X X X X X X X X X	Acquiel millionate in a	<u> </u>						_																	_
Single and multiple station smoke detectors (residential units)  Sprinkler system flow switches  X  X  X  X  Automatic fire suppression system activation  X  X  X  X  X  X  X  X  X  X  X  X  X	·								+		-	-													
Sprinkler system flow switches X X X X X X X X X X X X X X X X X X X	SHIOKE detectors	+^					^	+	+			1													
Sprinkler system tamper switches X X X X X X X X X X X X X X X X X X X	Single and multiple station smoke detectors (residential units)																								
Automatic fire suppression system activation X X X X X X X X X X X X X X X X X X X	Sprinkler system flow switches	X					х	+	+			+													
	Sprinkler system tamper switches		Х																						
Automatic fire suppression system off-normal condition X	utomatic fire suppression system activation	X					Х		+		1														
	utomatic fire suppression system off-normal condition		Х																						_
ire alarm system trouble condition	ire alarm system trouble condition	1		X				-	+		+														
ailure of primary power supply	<u> </u>	†						-	+			+													 I
ailure of secondary power supply  X				Х																					

- Device type, status and specific location (building, tower, floor and room).

Any subsequent alarm shall reactivate the alarm notification appliances.

a. General evacuation: all alarm notification appliances shall operate throughout the building.

- Sprinkler flow switch alarm activation shall be non-silenceable while water is flowing

b. Audible notification appliances shall sound a continuous fire alarm signal until silenced at a control panel, or the system is reset:

The means shall be key operated, located within a locked cabinet, or arranged to provide equivalent protection against unauthorized use.

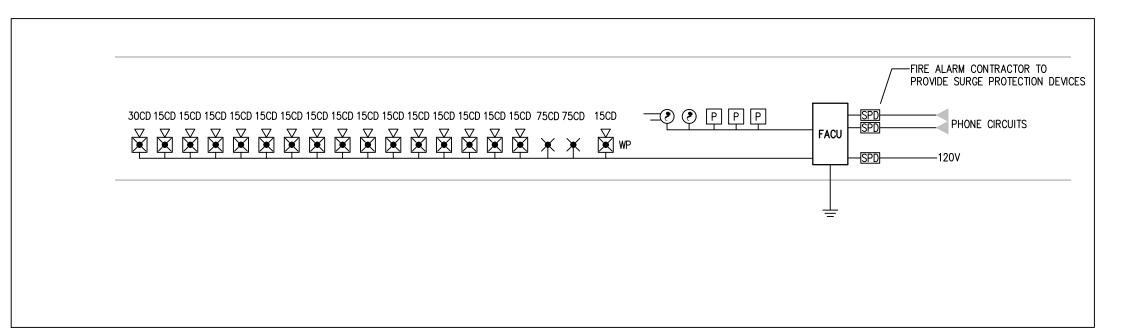
- The means for silencing the audible and visible notification appliances shall meet the requirements of NFPA 72 10.13:

c. Visual notification appliances shall flash continuously until the audible devices have been silenced, or the system is reset.

Occupant notification:

# FOR COLING HOOKTS BETWEEN 8'-0' AND 8'-0', WOUNT TOP OF FIRE ALARM DEMIC SOURS A 17'-6' THYPICAL JOHANS IN TOP COLING 19-15 AMERICAN PRIMA, TO COLING O'NIN. TO COLING

# TYPICAL MOUNTING HEIGHTS



FIRE ALARM RISER

Symbol	Device	Description	Mounting	Notes
<b>(</b>	Heat detector	Combination rate of rise/fixed temperature	Ceiling	
<b>♣</b> WP	Heat detector	Weatherproof, rate compensation type	Ceiling	
<b>②</b>	Smoke detector	Photoelectric	Ceiling	
	Duct smoke detector	Photoelectric detector in an air duct sampling assembly	See Mechanical plans for exact location.	
•	Remote test switch	Key switch with alarm indicator LED	Wall mounted	See riser diagram
Р	Manual pull station	Double action, push type	Wall mounted at 48" AFF	
P WP	Manual pull station	Weatherproof, surface mount cast aluminum box with NEMA 3R rating	Wall mounted at 48" AFF	
R	Relay module	Form C, SPDT contact	Install in 4" square junction box	
IM	Interface module	Monitor contact closure status	Install in 4" square junction box	
	Flow switch	Furnished and installed by Fire Protection contractor		Provide interface module
$\bigcirc$	Tamper switch	Furnished and installed by Fire Protection contractor		Provide interface module
<u> </u>	Pressure switch	Furnished and installed by Fire Protection contractor		Provide interface module
<u> </u>	Audio/visual device	White housing with red lettering (verify color with Architect)	Wall mounted at 80" AFF to	Minimum strobe intensity as indicated on plans
$\sum_{i=1}^{N}$		Strobe intensity shall be selectable as: 15, 30, 75 or 110 candela Horn with a typical indoor sound level of minimum 87 dbA at 10'	bottom of lens	
$\bigcirc$	Audio/visual device	White housing with red lettering (verify color with Architect) Strobe intensity shall be selectable as: 15, 30, 75 or 110 candela	Ceiling	Minimum strobe intensity as indicated on plans
		Horn with a typical indoor sound level of minimum 87 dbA at 10'	W. H	
₩P	Audio/visual device	Weatherproof, red housing with white lettering Horn with a sound level of minimum 90 dbA at 10'	Wall mounted at 80" AFF to bottom of lens	Minimum strobe intensity as indicated on plans
×	Visual only device	Provide red weatherproof backbox  White housing with red lettering (verify color with Architect)	Wall mounted at 80" AFF to	Minimum strobe intensity as indicated on plans
∕ CLG	Visual only device	Strobe intensity shall be selectable as: 15, 30, 75 or 110 candela  White housing with red lettering (verify color with Architect)	bottom of lens Ceiling	Minimum strobe intensity as indicated on plans
	Visual only device	Strobe intensity shall be selectable as: 15, 30, 75 or 110 candela  Weatherproof, red housing with white lettering	Wall mounted at 80" AFF to	Minimum strobe intensity as indicated on plans
₩P	Audio only device	Provide red weatherproof backbox  White housing with red lettering (verify color with Architect)	bottom of lens Wall mounted same height as	<u> </u>
Ā	·	Horn with a typical indoor sound level of minimum 87 dbA at 10'	audio/visual devices	
A	Audio only device	White housing with no lettering Horn with a typical indoor sound level of minimum 87 dbA at 10'	Ceiling	
∇ A WP	Audio only device	Weatherproof, red housing with white lettering Horn with a sound level of minimum 90 dbA at 10'	Wall mounted same height as audio/visual devices	
		Provide red weatherproof backbox	, ,	
M	Audio only (mini) device	White housing with red lettering (verify color with Architect) Indoor horn mounted to a single gang back box	Wall mounted same height as audio/visual devices	This device to have sound levels per NFPA 72 The alarm signal shall ba square wave or equi awakening ability. The wave shall have a fundo frequency of 520 Hz per NFPA 72 18.4.5.3.
<b>○</b> •	Door holder	Electromagnetic, 24VDC, minimum 25lbs holding force Stainless steel swivel catch plate mounted to door	Flush, semi-flush, flush wall mounted or floor mounted as	Provide additional support in wall as required for wall mounted unit
			required	Provide reinforcing plate on hollow core wood doors or non-reinforced metal doors
SS	Surge protection device	Provide as recommended by fire alarm system supplier for 120V circuits, telephone circuits and low voltage fire alarm circuits	Install as recommended by the manufacturer	
J	Junction box			
FACP	Fire alarm control panel	Refer to fire alarm riser diagram and notes for details	Surface mounted	
FAA	Remote annunciator	Minimum 80 character LCD display	Flush mounted at 48" AFF	
FATC	Fire alarm terminal cabinet	Refer to fire alarm riser diagram and notes for details	Surface mounted	
NAC	Notification appliance circuit	Panel providing additional notification appliance circuit	Surface mounted	

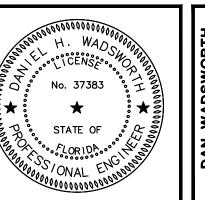
#### FIRE ALARM SYSTEM NOTES

- 1. PROVIDE AND INSTALL A COMPLETE ADDRESSABLE FIRE ALARM SYSTEM WITH FUNCTIONS AS DESCRIBED ON THE DRAWINGS.
- 2. ALL CONTROL EQUIPMENT SHALL BE LISTED UNDER UL STANDARD 864 FIRE DETECTION AND CONTROL (UOJZ). ALL SYSTEM COMPONENTS SHALL BE FM APPROVED.
- 3. ALL INITIATING AND CONTROL DEVICES SHALL BE ADDRESSABLE (INDIVIDUALLY ANNUNCIATED).
- SECONDARY POWER SUPPLY: PROVIDE BATTERY CAPACITY FOR 24 HOURS STANDBY AND 5 MINUTES ALARM. SYSTEM BATTERY CAPACITY SHALL BE SIZED FOR MINIMUM 125% OF THE REQUIRED CAPACITY.
- 5. SYSTEM POWER SUPPLIES SHALL BE SIZED FOR MINIMUM 125% OF THE REQUIRED CAPACITY.
- 6. SIGNALING LINE CIRCUITS SHALL BE WIRED CLASS B.
- 7. NOTIFICATION APPLIANCES CIRCUITS SHALL BE WIRED CLASS B.
- 8. ALL WIRING SHALL BE POWER LIMITED AND SHALL BE SUPERVISED PER NFPA 72.
- 9. ALL VISUAL DEVICES SHALL BE SYNCHRONIZED.
- 10. REFER TO FLOOR PLANS FOR DEVICE QUANTITIES AND LOCATIONS
- 11. ALL UNDERGROUND FIRE ALARM WRING SHALL BE INSTALLED SCHEDULE 40 PVC CONDUITS AT A MINIMUM BURIAL DEPTH OF 18" BELOW GRADED. PROVIDE SURGE PROTECTION OR ALL CIRCUITS

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FORT MYERS, FL 33919
(239) 245-8728
COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383
PROJECT NO. 20-105

20-105	FIRE ALARM SHEET INDEX	
Sheet No.	Sheet Title	Scale
FA0.01 FA1.00	Fire Alarm Cover Sheet First Floor Fire Alarm Plan	No Scale 1/8"=1'-0"





CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA

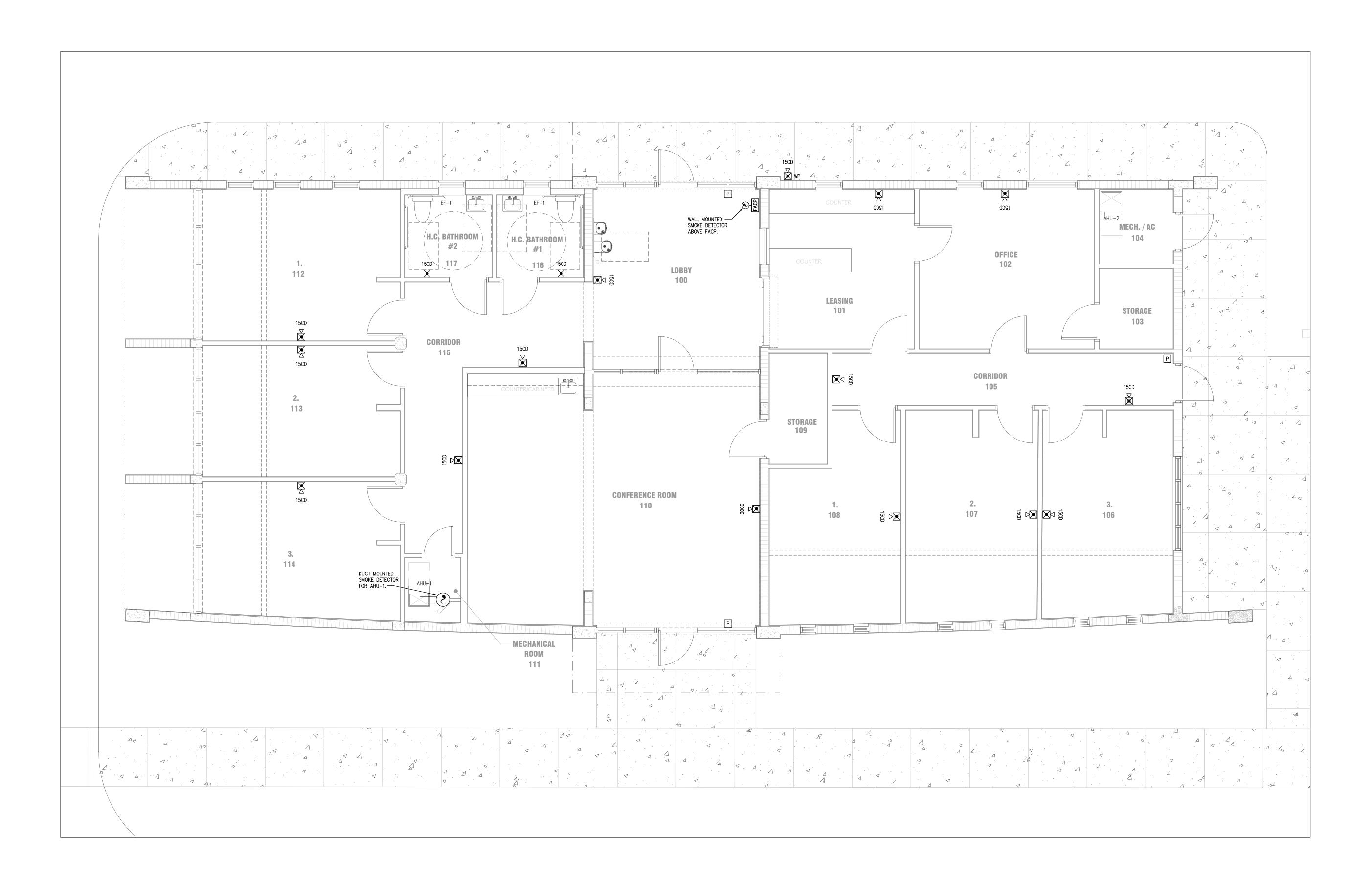


FIRE ALARM COVER SHEET

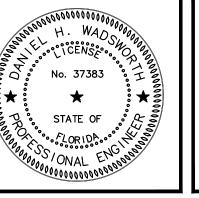
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	DATE	09-27-2021
	SCALE	
	ISSUE	

MOITS

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CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA



# LEASING OFFICE FIRE ALARM PLAN

PROJECT No.	
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DATE	09-27-2021
SCALE	1/4"
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	No.	DATE	DESCRIPTION
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FA1.00

#### PLUMBING SPECIFICATIONS & PRODUCTS

#### SPECIFICATIONS

#### EXISTING CONDITIONS

The Contractor shall fully coordinate with all existing conditions within 30 days of start of construction and advise if changes to the Construction Documents are required. Such changes identified as necessary after this time period shall be provided at no additional cost to the Owner.

#### COMPLETE SYSTEMS

The Contractor shall provide complete and fully functional Plumbing systems. Products on the Construction Documents but deemed necessary shall be brought of the Owner's attention within 30 days of start of construction. Products deemed necessary after this time period shall be provided at no additional cost to the Owner.

#### CODE COMPLIANCE

The Engineer of Record affirms that Construction Documents are in full compliance with all applicable laws, codes, ordinances, regulations and historical interpretations rendered thereof. Florida Statutes require the authorities having jurisdiction to fully review and require changes to the Construction Documents necessary to achieve compliance prior to issuance of the Construction Permit for. The Engineer of Record is not responsible for costs incurred for changes in the Work deemed for compliance after the issuance of the Construction Permit.

#### SUPERVISIO

Provide the following items and options

The Contractor shall provide a Plumbing Superintendant who is not an employee of any sub-contractor. This Superintendent shall be sufficiently competent in the plumbing trade to properly direct the plumbing work, including but not limited to review of shop drawings and submittals, aspects of coordination, direction of adjustments required in fitting of the work, identification of incorrect work and direction required for correction of of incorrect work.

- Stop valve and metal riser tube in color to match lavatory trim

5 Access panels for all items requiring service or maintenance - finish to be selected by architect.

3 LAV - provide with wall hanger or concealed arm carrier

4 Eliminate electrical contact between components of dissimilar metals.

- sheet metal platform/pan, rubber mounting pads, 2 gal expansion tank, & isolation ball valves

6 Paint all accessible pipe, valves hangers and accessories per architectural specifications - colors selected by architect.

#### AESTHETIC ADJUSTMENT

Prior to acceptance of the final rough-in, any device may be relocated by the Owner up to 72" in any direction without additional cost.

#### PRODUCTS

A Products are listed by manufacture and model (or series) number. The manufacturer's specifications of construction and materials, installation instructions and operating instructions for the specific product listed are included in full as part of this specification.

#### B SUBMITTAL REVIEW

Products are classified as "Basis-of-Design", "Equivalent" or "Industry Standard".
 "Basis-of-Design" indicates that the system design depends upon characteristics of a specific manufacturer's product. A similar product from a different manufacturer may be considered However, re-engineering will be necessary. Re-engineering costs shall be paid by the Contractor. Submittal of complete product engineering

- data and manufacturer's installation instructions is required.

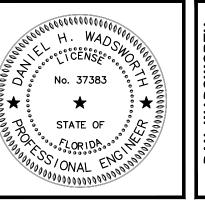
  3 "Equivalent" indicates that the system design does not depend upon a specific manufacturer's product. An equivalent product from a different manufacturer may be employed. Submittal of complete product engineering data and manufacturer's installation instructions is required.
- 4 "Industry Standard" indicates that the product is commonly used within the trade. Equivalent products of other manufacturers may be used. Submittal data is is not required.
- C Provide manufacturer's maintenance and operation instructions for each product.

FIXTURES	TURES												
Mark	Description Supply		Specification Class	Manufacturer & Model									
		H	C	1									
MS-1	Mop Sink ***	1/2	1/2	Ěquivalent	Fiať "TŠBC1610" - 24"x24"x12" precast terrazzo - Fiať 8330AA faucet & 1453BB strainer & 823AA hose / hose bracket.								
DF-1	Drinking fountain	^	1/2	, Equivalent ,	Elkay - "EDFP217C" - wall mounted ADA - bi-level station - non-filtered - non-refrigerated. MPW200 wall carrier.				Elkay - "EDFP217C" - wall mounted ADA - bi-level station - non-filtered - non-refrigerated. MPW200 wall carrier.				
LAV-3	Lavatory - wall mount - public	1/2	1/2	Equivalent	American Standard - Lucerne "0355.012" - 4" centers - white. Delta "B510LF" - 1.2 gpm faucet - metal drain - chrome.								
SK-1	Conference room sink	1/2	1/2	Equivalent	Dayton "DSE12522" - 25"x22"x8" S/S 3-hole sink - D1125 drain - Delta "16953DST" - 1.8	gpm faucet -	chrome	€.					
WC-2	Water closet - tank	-	1/2	Equivalent	American Standard - Cadet "270AA.001" - right height - elongated bowl - 1.6 gpf - AS #53	21.110 seat -	white						
DRAINS													
Mark	Description			Specification Class	Manufacturer & Model								
СО	Sanitary cleanout	Sanitary cleanout			Zurn "ZN1400-B" - cast iron body - nickel bronze top - concrete areas. PVC cleanouts can be used in grass areas.								
ED	2" thru 6" equipment drain			Equivalent	Zurn "Z415C-VP" - cast iron body - nickel bronze top - 6" strainer								
FD	3" thru 6" floor drain			Equivalent	Zurn "Z415B-P" - cast iron body - nickel bronze top - 6" strainer - 4" deep seal trap								
RD	3" thru 8" primary roof drain			Equivalent	Zurn "Z100" - 15" diameter - cast iron body - poly dome								
EQUIPME	NT					Nat. Gas	E	lectric	al				
Mark	Description	Su	pply	Specification Class	Manufacturer & Model	(BTUH)	volts	MCA	MOP				
		Н	С						<u> </u>				
ĚWH1-2	Électric water heater - 10 gallon	3/4	3/4	Ěquivalent	State PCE 10 10MSA; 2,000 watts; 18-1/4" tall x 18" dia.		120/1		<del>  _</del>				
HB THE	Hose bibb	<b>∤</b> ઁ	3/4	Equivalent	Woodford "Model 26" - backflow protected - metal wheel handle - chrome - 3/4"		120, 1		1				
	Floor drain trap seal primer		1/2	Equivalent	Sioux Chief 695 primer valve - vacuum breaker - see detail				1				
									1				

	PLUMBING SP	ECIFICATIONS & PRODUCTS
WASTE & VENT PIPING		
Underground	Industry Standard	Schedule 40 PVC
Above ground		
Stacks	Industry Standard	Schedule 40 PVC
Above floor slab exposed trap & arm	Industry Standard	Chrome-plated brass
Above floor slab concealed trap & arm	Industry Standard	Schedule 40 PVC
RAINWATER & CONDENSATE PIPING		
Underground	Industry Standard	Schedule 40 PVC
Above ground	Industry Standard	Standard weight no-hub cast iron; 1" Armaflex insulation for all horizontal rainwater & all condensate piping
WATER PIPING		
Outside Duilding		
Outside Building Underground	Industry Standard	Schedule 40 PVC
Above grade Inside Building - Above ground	Industry Standard	Type L Copper
Building Riser	Industry Standard	Type L Copper
	Industry Standard	Schedule 40 CPVC
Hot & cold 1" and larger		

Mark	Description		
AAV	Air admittance valve		
AHU	Air handler unit		
CD	Condensate drain		
со	Cleanout		
CW	Cold water		
DFU	Drainage fixture unit		
DN	Down		
DW	Domestic water		
DWV	Drain waste & vent		
ED	Equipment drain		
ET	Expansion tank		
EWH	Electric water heater		
FA	From above		
FB	From below		
FCO	Floor cleanout		
FD	Floor drain		
GPM	Gallons per minute		
HW	Hot water		
HWR	Hot water recirculation		
INV. EL.	Invert elevation		
PSI	Pounds per square inch		
RWL	Rain water leader		
SF	Square feet		
SDN	Sanitary drainage down		
SFA	Sanitary drainage from above		
SFU	Sanitary fixture unit		
SS	Sanitary stack		
SV	Stack vent		
T&PR	Temperature & pressure relief		
TYP	Typical		
UP	Up		
VS	Vent stack		
VTR	Vent through roof		
WSFU	Water supply fixture unit		

ARCHITECT  STATE OF THE COLUMN AND T	
Michael Facundo Architect 239 503	4333 H148



CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA



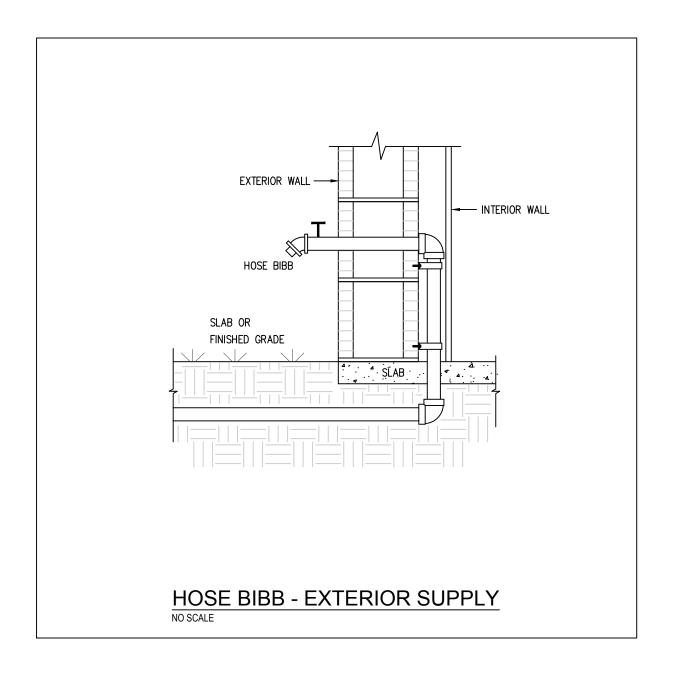
# PLUMBING SCHEDULES

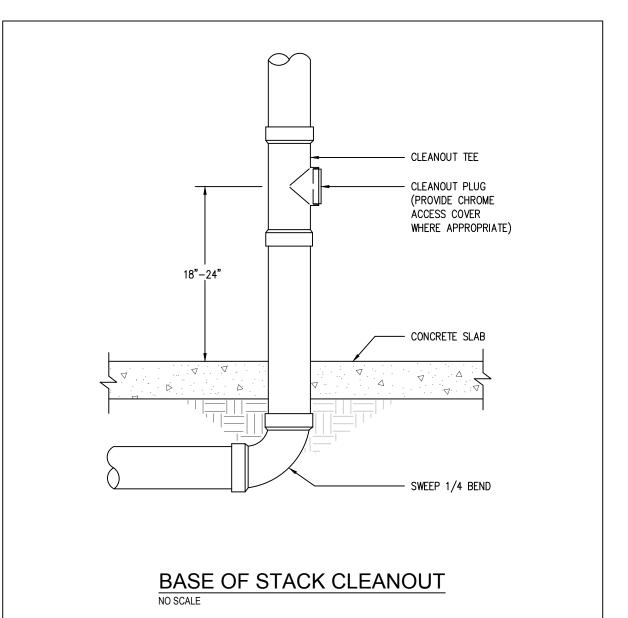
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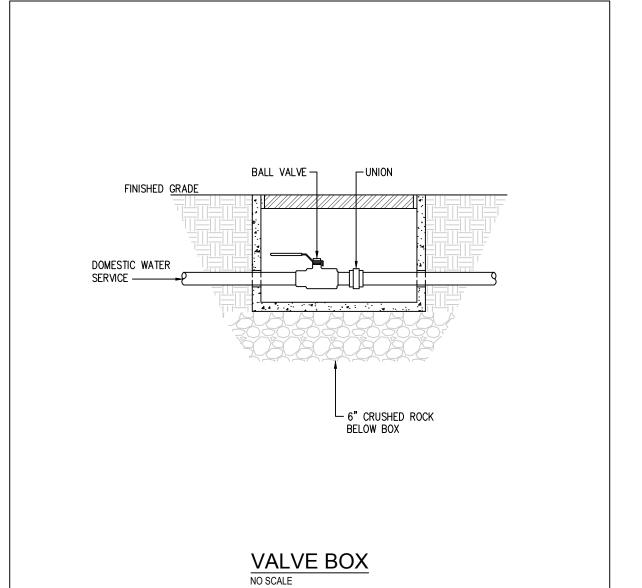
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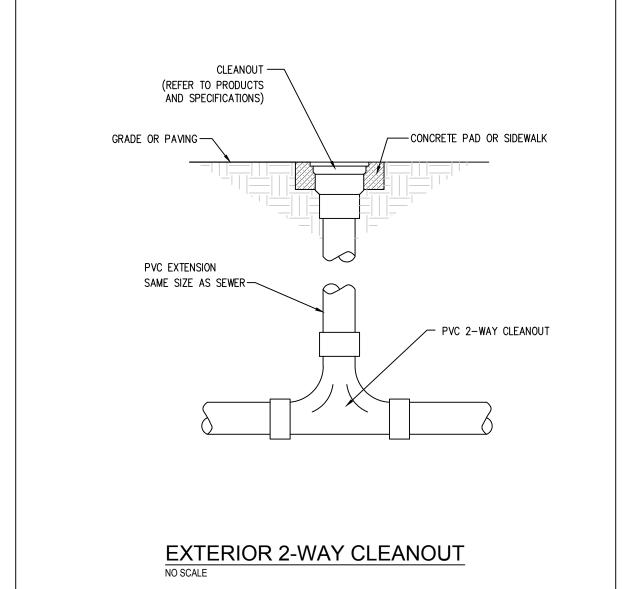
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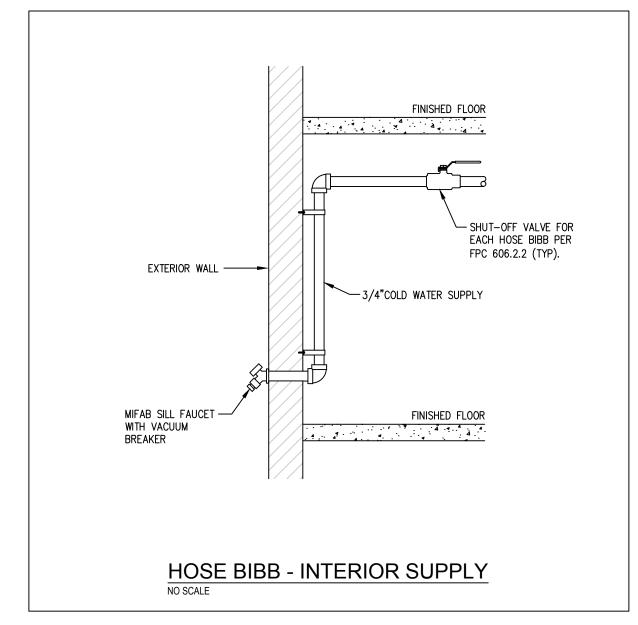
20-105	PLUMBING SHEET INDEX - LEASING OFFICE			
Sheet No.	Sheet Title Scale			
P0.01	Plumbing Schedules	No Scale		
P0.02	Plumbing Details	No Scale		
P1.00	First Floor Drainage & Domestic Water	1/4''=1'-0''		
P2.00	Roof Level Drainage & Sanitary Isometric	As Noted		

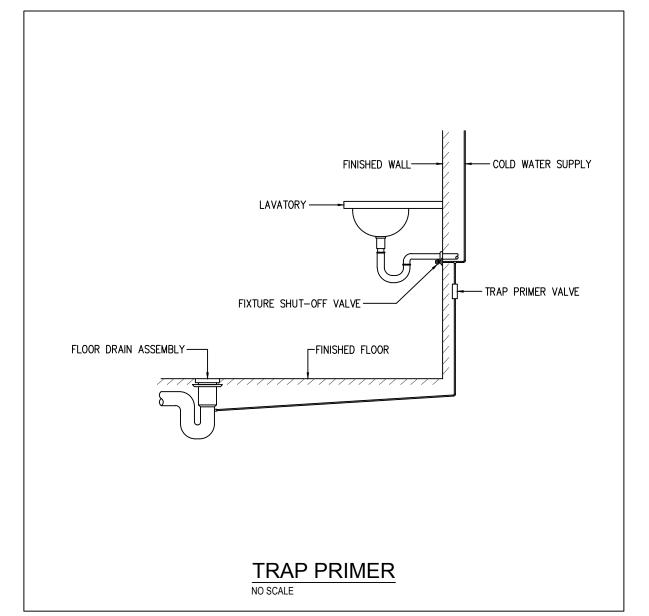


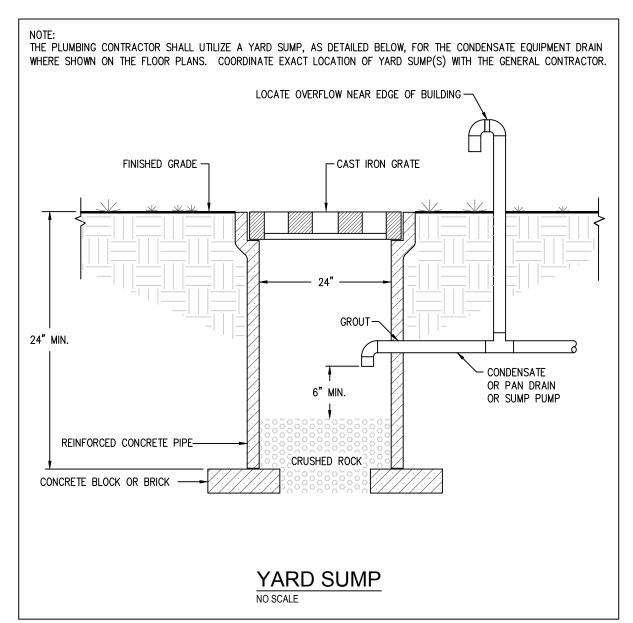


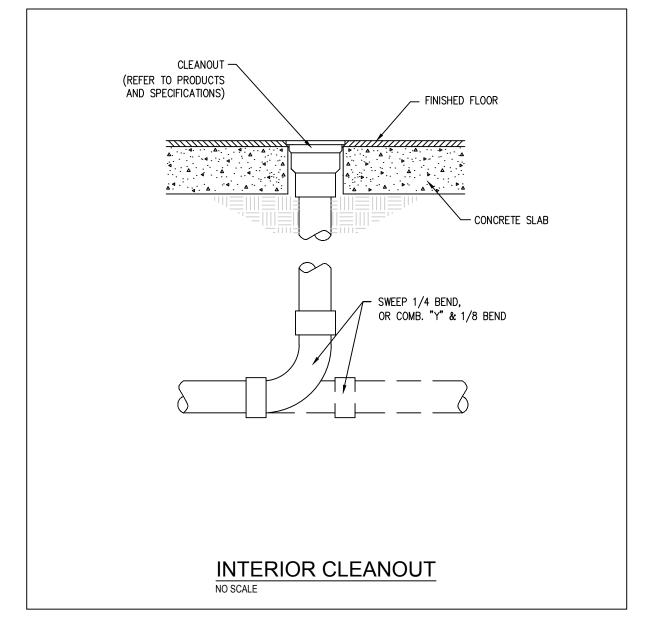


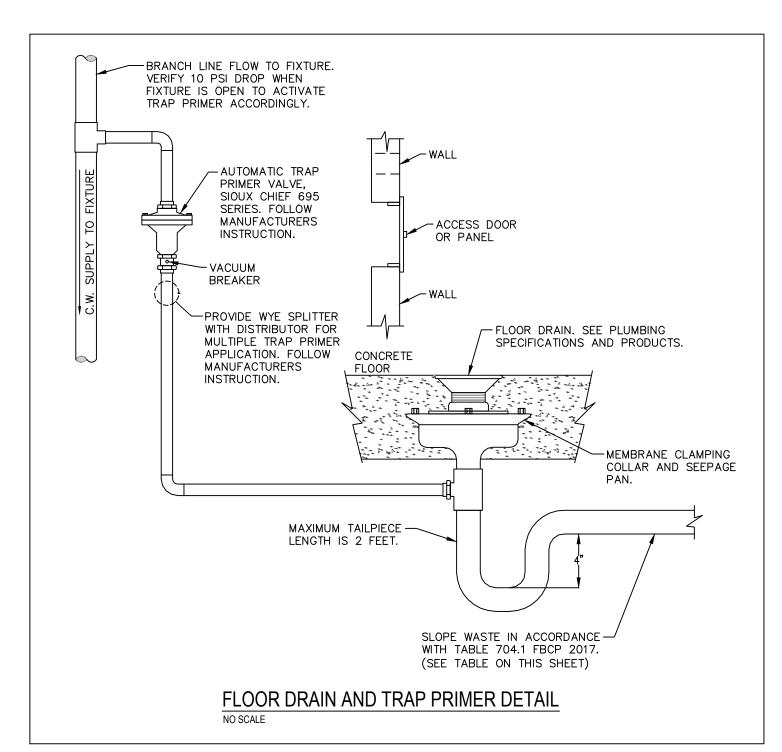


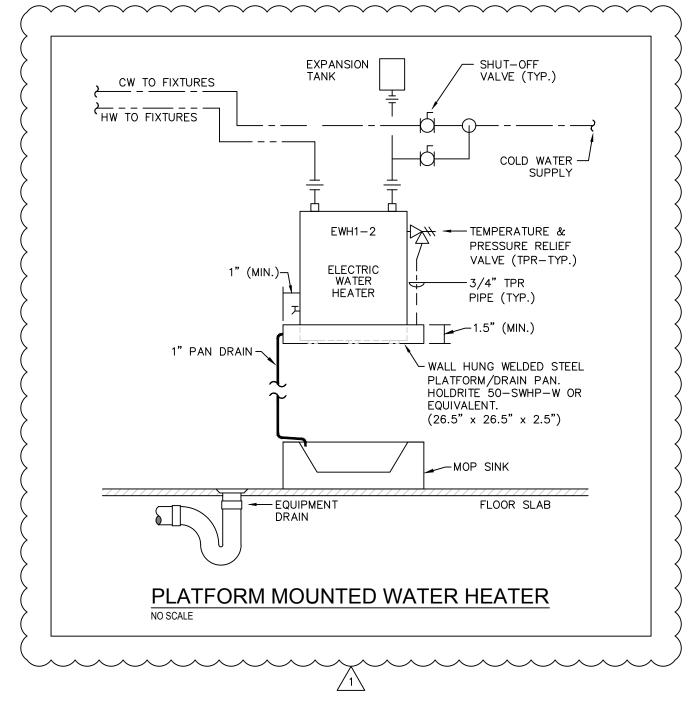


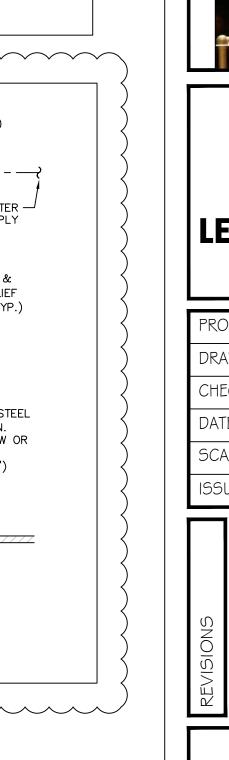








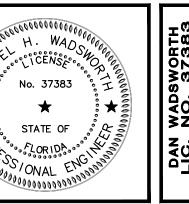




**PLUMBING DETAILS** 

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(239) 245-8728
COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383
PROJECT NO. 20-105





LEASING BUILDING IMMOKALEE, FLORIDA **AMIGOS** DE CASA

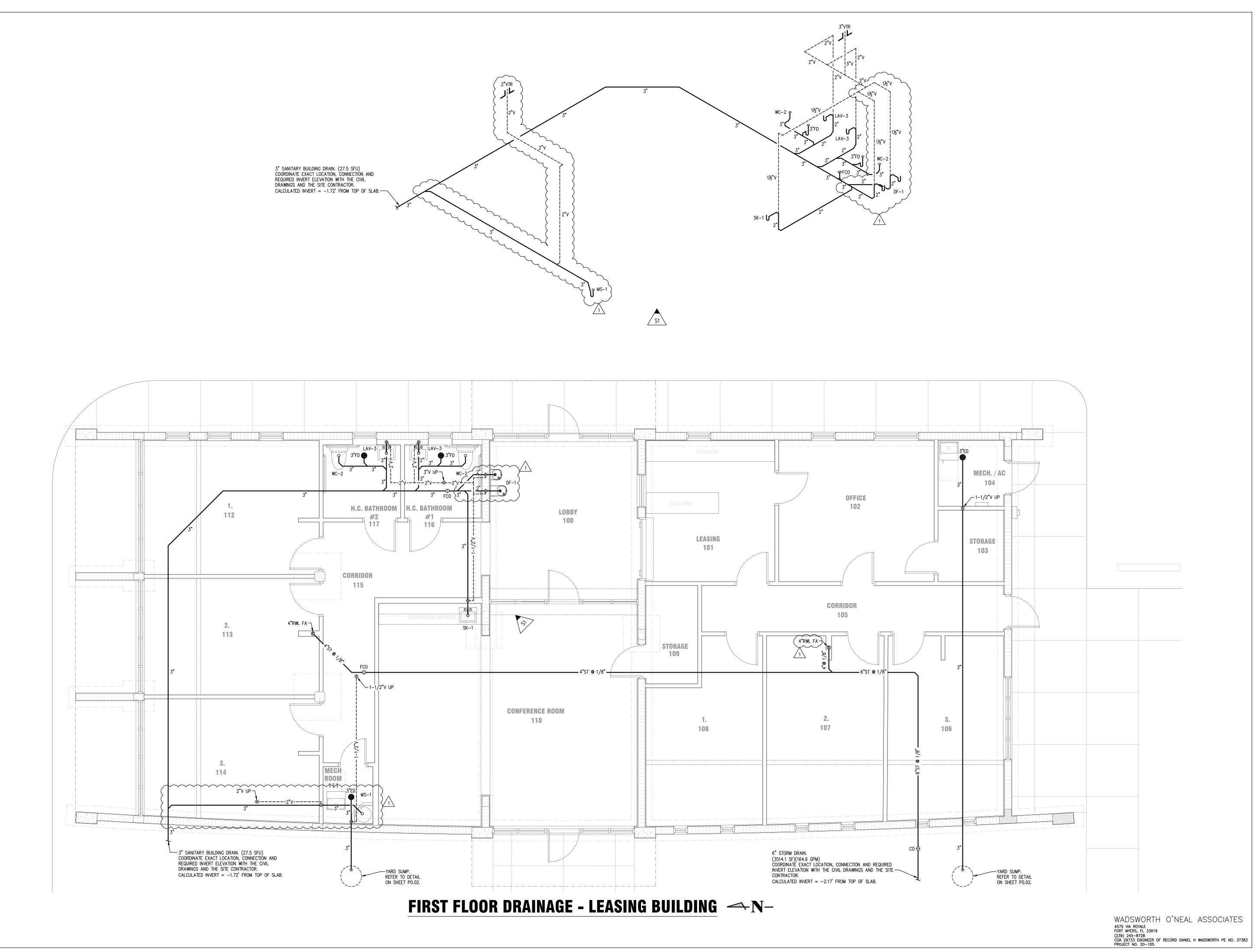


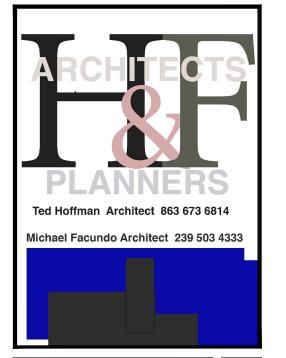
**PLUMBING DETAILS** -LEASING OFFICE

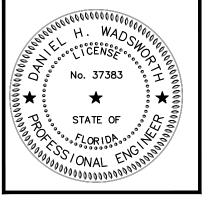
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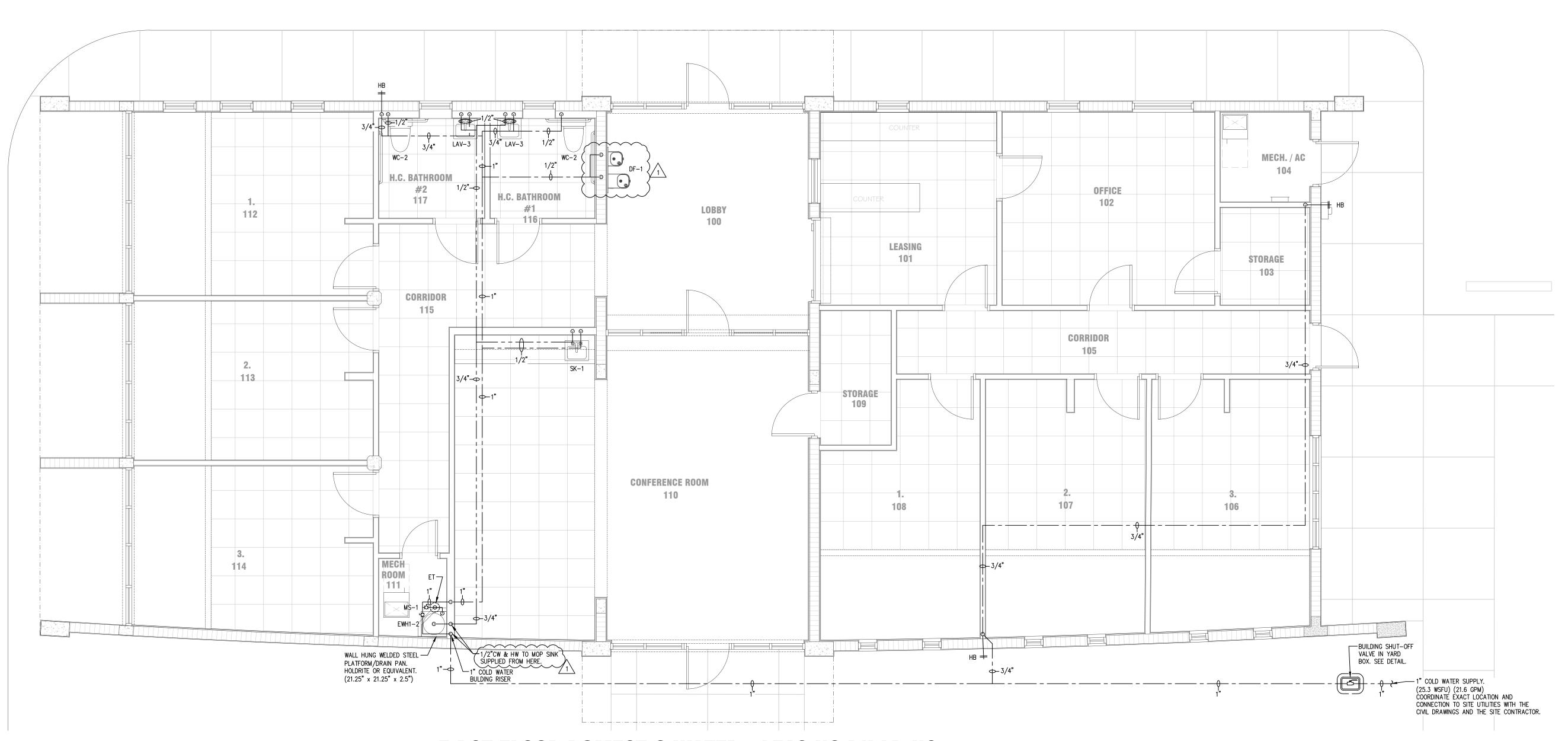


FIRST FLOOR DRAINAGE -**LEASING BUILDING** 

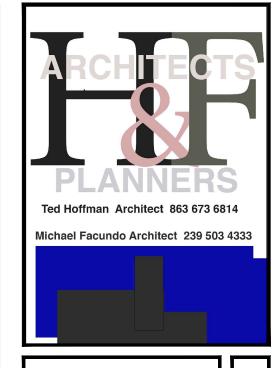
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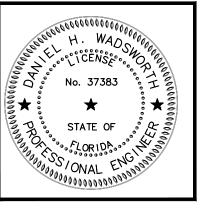
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FIRST FLOOR DOMESTIC WATER - LEASING BUILDING ~N-





CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA

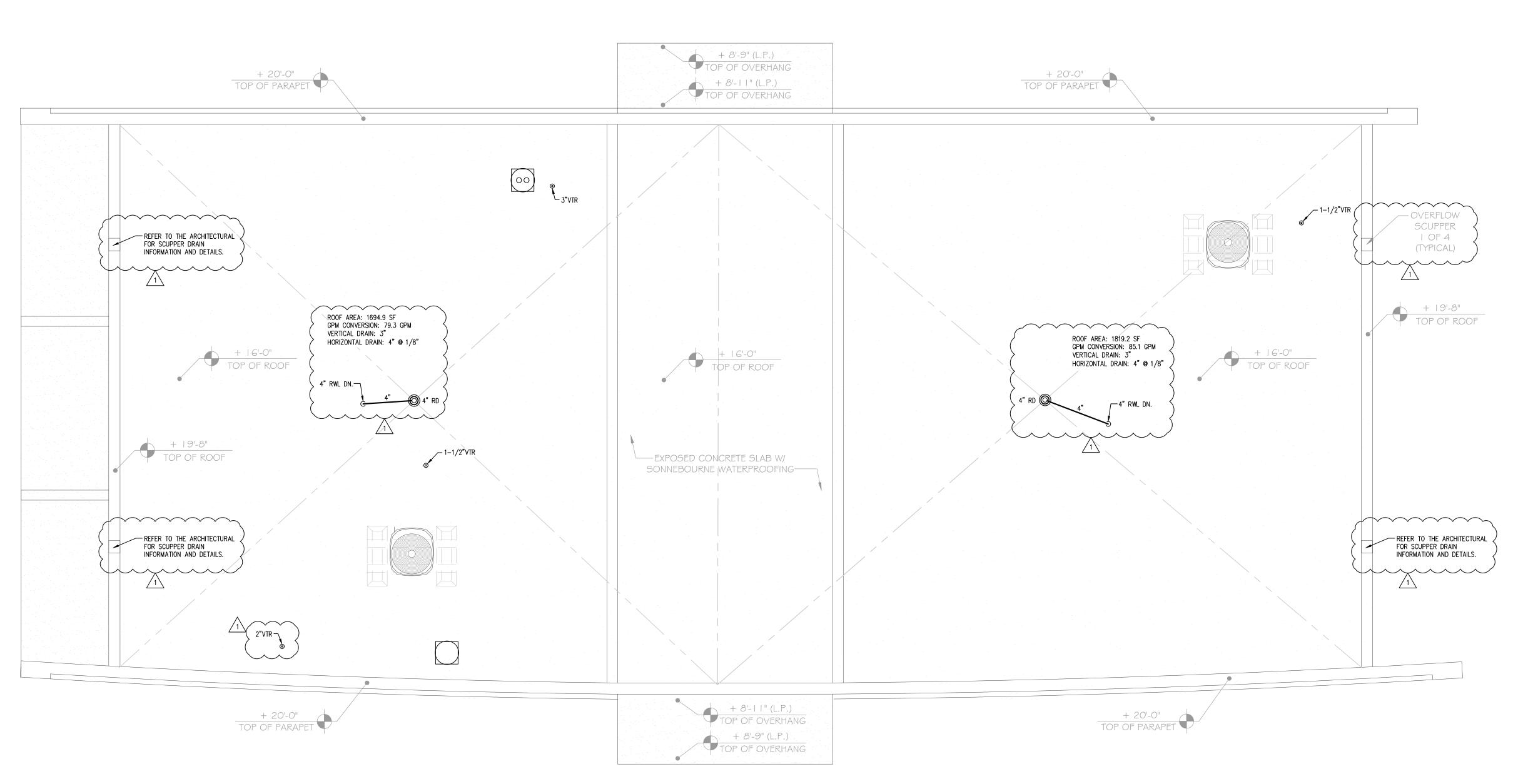


FIRST FLOOR DOMESTIC WATER -LEASING BUILDING

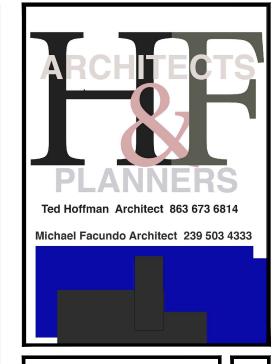
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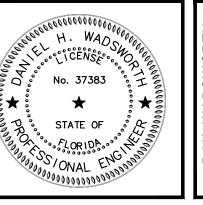
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ROOF LEVEL DRAINAGE - LEASING BUILDING ~N-





CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA



ROOF LEVEL DRAINAGE -LEASING BUILDING

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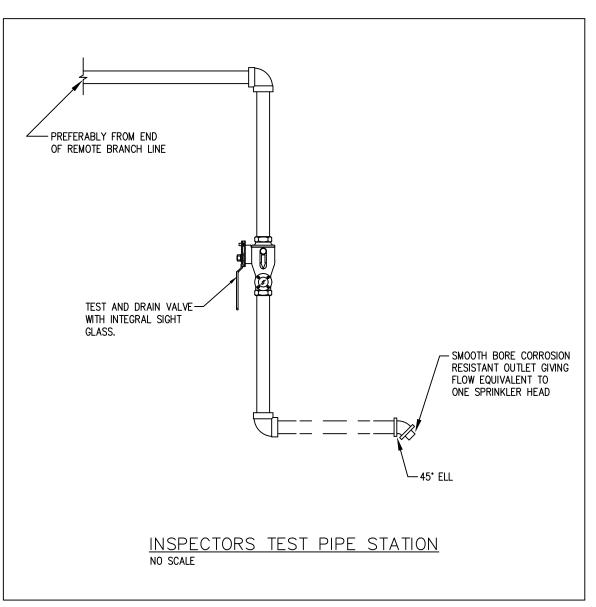
CLASSIFICATION OF OCCUPANCY										
Light Hazard	Ordinary Hazard Group 1	Ordinary Hazard Group 2	Residential							
Lobby	Mechanical rooms	N/A	N/A							
Conference Room	Storage rooms		N/A							
Toilet Rooms										
Offices										
Corridors										

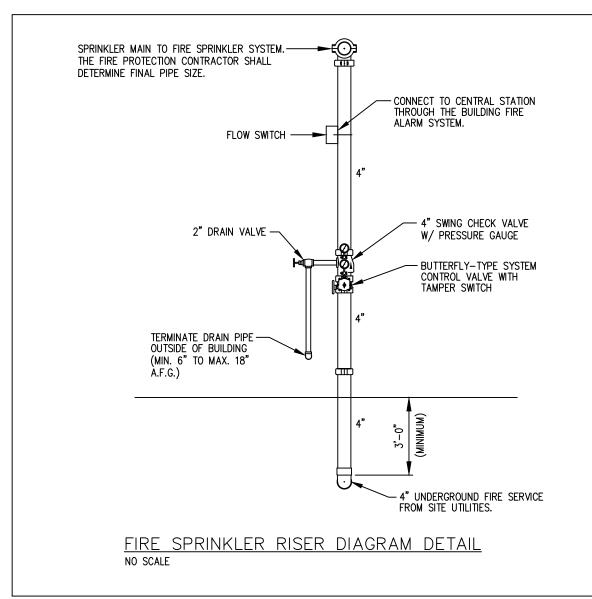
The areas listed above are rooms or spaces having uses and conditions meeting each of the different classification of occupancy. The areas listed are general and do not include every room or space in this building.

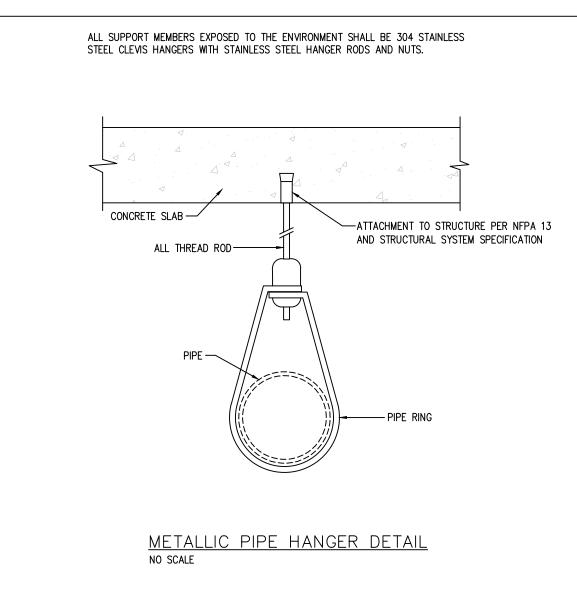
FIRE PROTECTION PIPING SCHEDULE										
Application	Location	Material	Fittings	Minimum Rated Pressure						
Building sprinkler riser	First floor	Schedule 10 black steel	Ductile or cast iron	175 psi						
Sprinkler feed main - 2-1/2" & larger	First floor	Schedule 10 black steel	Ductile or cast iron	175 psi						
Sprinkler cross main - 2" & smaller	First floor	Schedule 40 black steel	Ductile or cast iron	175 psi						
Sprinkler branch line	First floor	Schedule 40 black steel	Ductile or cast iron	175 psi						
All piping and fittings shall be UL listed	& FM approved.									

	LEASING OFFICE SPRINKLER SCHEDULE											
Mfr.	Model	SIN	Туре	Temp.	Finish	Esc./Plate	Max. Coverage	Symbol	Quantity	Remarks		
See note	-	-	Rec. Pendent	Ordinary	Chrome	Chrome	225 sq.ft.	•	18	Light hazard occupancy spaces - QR - See Notes		
See note	-	-	Rec. Pendent	Ordinary	Chrome	Chrome	130 sq.ft.	Ø	2	Storage rooms - QR - See Notes		
See note	-	-	Rec. Sidewall	Ordinary	Chrome	Chrome	225 sq.ft.		10	Lobby, Conference room, Offices - QR - See Notes		
See note	_	-	Upright	Ordinary	Brass	-	120 sq.ft.	0	2	Mechanical rooms - QR - See Notes		
									32			

Notes: 1) Information provided above shall be considered the Basis-of -Design for this project. 2) Tyco/Viking/Globe/Reliable are acceptable manufacturers. 3) Alternate sprinkler manufacturers shall be submitted for review and approval. 4) The exact sprinkler "Type" and the areas in which they are installed shall be coordinated with and approved by the Owner and/or Architect. 5) Final fire sprinkler piping and sprinkler head layout shall be determined by the fire protection contractor and shown on their fire protection shop drawings.







		•							•		•	
TABLE 6-2.2 MAXIMUM	DISTANCI	E BETWE	EN HAN	GERS (F	TIN.)							
NOMINAL PIPE SIZE (IN.)	34	1	114	112	2	212	3	312	4	5	6	8
STEEL PIPE (EXCEPT THREADED LIGHTWALL)	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A
COPPER TUBE	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	15-0	15-
C.P.V.C.	5–6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A	N/A	N/A	N/A
0.1 . 1.0.	l	3–9	4-7	5-0	5-11	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	0 0										
POLYBUTYLENE (IPS) POLYBUTYLENE (CTS)	N/A 2-11	3-4	3–11	4-5	5-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### 2019 Annual Drinking Water Quality Report Collier **County Water Division**

PSW ID: 5114069

Inorganic Chemicals										
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination			
Fluoride (ppm)	3/17	N	0.46	NA	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at optimum level of 0.7 ppm			
Nitrate (as Nitrogen) (ppm)	2/17	N	0.025	ND- 0.025	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits			
Sodium (ppm)				Salt water intrusion, leaching from soil						

Contaminant	Dates of sampling (mo/yr)	MCL Violation Y/N	Total Number of Positive Samples for the Year	MCLG	MCL	Likely source of contamination
E. coli*	Monthly 2019	N	1	0	Routine and repeat samples are total coliform positive and either is <i>E. coli</i> positive or system fails to take repeat samples following <i>E. coli</i> positive routine sample or system fails to analyze total coliform positive repeat sample for <i>E. coli</i>	Human and animal fecal waste

\* In May of 2019, a routine sample tested positive for E. coli. All repeat samples collected at the original, upstream, and downstream locations were negative for total coliform and E. coli therefore there was no MCL violation.

Stage 1 Disinfectants and Disinfection By-Products										
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination			
Chloramines (ppm)	Monthly 2019	N	3.3	0.8-4.1	MRDLG = 4	MRDL = 4	Water additive used to control microbes			

Level | Range of | MCLG or

Likely Source of

Contaminant and Unit Measurement	of sample (mo./y	ing Viola	ation Dete	<del>-</del>	I		MCL	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	Quarte 201	, I L	N 19	2.2 11.4-3	1.2 N	A	60	By-product of drinking water disinfection
Total trihalomethanes (TTHM) (ppb)	Quarto 201	- I I	N 41	.0 30.8-4	9.3 NA	A	80	By-product of drinking water disinfection
Lead and Copper (Ta	p Water)	ı				1	T	
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	AL Exceeded Y/N	90th Percentile Result	Number of sampling sites exceeding the AL	g MCLG	AL (Action Level)	Lik	cely Source of Contamination
Copper (tap water) (ppm)	6/17	N	0.042	0	1.3	1.3	system	osion of household plumbing ms; erosion of natural deposits; ing from wood preservatives
Lead (tan water) (nnh)	6/17	N	1 3	0	0	15	Corro	osion of household plumbing

Page 3 of 5

#### FAC 61G15 Compliance

FAC 61G15-32.003 (1) (2) (5)

Scope of Work: To provide a complete automatic fire sprinkler system for a 1-story leasing office building detached from the dormitory building. This building's fire sprinkler systems will be new construction based on NFPA 13R, 2013

The acceptance testing of the fire protection system and components shall consist of all applicable items shown on NFPA 13R, 2013 Edition, Figure 10.2, "Contractor's Material and Test Certificate for Aboveground Piping". NFPA 24, 2013 Edition, Figure 10.10.1, "Contractor's Material and Test Certificate for Underground Piping".

Structural Support and Structural Openings: The support system at each level of this building shall have adequate load carrying capacity of [3] pounds per square foot dead load and the live load that will be contributed by the fire sprinkler system for each floor level. There are no significant structural openings that will be required for this building's fire sprinkler system. This sprinkler information shall be provided to the structural engineer for inclusion on their documents.

FAC 61G15-32.004 (2) (a-m)

The point-of-service is located where the proposed 6" fire main taps into the existing 8" water main at the southeast corner of the property. The existing 8" watermain is routed along Amigo Way (Private). Refer to the fire protection Site Plan, sheet FP0.02, for "Point-of-Service" identification. Refer to the Civil engineer's drawings for exact location and details of the hot tap for the fire sprinkler system's "point-of-service".

Applicable NFPA standards to be applied:

Classification of Hazard Occupancy for each room or area:

the following areas: lobby, conference room, toilet rooms, offices and corridors)

NFPA 13, 2013 Edition, Standard for the Installation of Sprinkler Systems. NFPA 24, 2013 Edition, Standard for the Installation of Private Fire Service Mains and their Appurtenances.

Ordinary Hazard - requires 0.15 gpm / sf and 250 gpm hose stream allowance. (Group 1 - includes but not limited to following areas: mechanical equipment rooms and storage rooms) <u>Light Hazard</u> - requires 0.10 gpm / sf and 100 gpm total hose stream allowance. (L.H. - includes but not limited to

Ordinary Hazard - Fire protection shall be provided by a wet piped automatic sprinkler system, utilizing steel piping with quick response sprinkler heads. Density shall be 0.15 gpm / sf for 1500 sq. ft. area of sprinkler operation. Sprinkler head temperature rating to be ordinary or intermediate (refer to the sprinkler schedules in these drawings). The protection area and spacing is to be determined by the listed sprinkler head selected and the manufacturer's coverage area specifications. Area reduction shall be allowed per the sprinkler head manufacturer. Light Hazard - Fire protection shall be provided by a wet piped automatic sprinkler system, utilizing steel or CPVC plastic piping with quick response sprinkler heads. Density shall be 0.10 gpm / sf for 1500 sq. ft. area of sprinkler operation. Sprinkler head temperature rating to be determined by the room or area in which the head is located (refer to the sprinkler schedules in these drawings). The protection area and spacing is to be determined by the listed sprinkler head selected and the manufacturer's coverage area specifications. Area reduction shall be allowed per the sprinkler head manufacturer. Residential - Not Applicable for this building.

<u>Elevators</u> - Not Applicable for this building. Standpipes - Not Applicable for this building.

Characteristics of the Water Supply:

An existing 8" public water main is routed along Amigo Way (Private). A dedicated 6" fire main shall serve the sprinkler system for this building. The flow test data, provided by Collier County Utilities and shown on these drawings, shall be used in the fire protection contractor's calculations. Refer to item (f) for additional information regarding the flow test data for this project.

Dated - 04/21/2020; Measured Static - 69 psi; Residual Pressure - 40 psi; Total Flow - 1384 gpm. Refer to the flow test data on the fire protection "Site Plan", sheet FP0.03, for data and location(s) of test hydrant(s).

Valving and Alarm Requirements to Minimize Potential for Impairments and Unrecognized Flow of Water: Sprinkler system control valve and water flow switch shall be provided at the sprinkler building riser. Refer to riser detail on sheet FP0.01. All control valves used in the water supply piping for the sprinkler system, including the backflow prevention device assembly shut-off valves, shall have tamper (supervisory) switches with remote station monitoring. All flow switches used in the water supply piping for the sprinkler system shall be connected to remote station monitoring. All valves used in the water supply piping for the sprinkler system shall be U.L. listed for fire protection service.

Microbial Induced Corrosion (MIC):

Based on information from the "2019 Annual Drinking Water Quality Report", provided by the Collier County Water Division, the water supply is in compliance with all state and federal drinking water standards. Based on this information, the water supply is of a quality that would not be reasonably expected to lead to MIC. Refer to page 3 of 5 of the water quality report located on this sheet.

**Backflow Prevention and Metering Specifications:** 

The new backflow prevention device assembly and metering equipment shall meet the requirements of the local water purveyor. The backflow prevention device is to have a maximum allowable pressure drop of 12 PSI. The backflow device will be located on the private fire service line supplying this building.

Quality and Performance Specifications of all Yard and Interior Fire Protection Components: All yard underground service line shall be AWWA C-900, DR-15 CLASS 150 PVC pipe. Refer to the "Fire Protection Piping Schedule" on this sheet for information regarding the interior piping and fittings. All fire protection components shall be U.L. or FM listed.

Fire Pump Requirements:

A fire pump shall not be required for this building.

Fire Water Storage Tank: A fire water storage tank is not required at this time. The fire protection contractor shall contact Wadsworth O'Neal

Associates to revise this FAC61G15 Compliance, if their hydraulic calculations show otherwise.

Owner's Certificate: This building is not a storage occupancy. An owner's certification is not required.

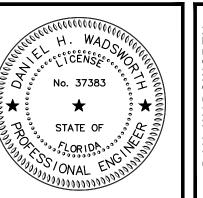
20-105	FIRE PROTECTION SHEET INDEX				
Sheet No.	Sheet Title	Scale			
FP0.01	Fire Protection Schedules, Details and FAC61G15 Compliance	No Scale			
FP0.02	Fire Protection Site Plan	1"=30'-0"			
FP1.00	Fire Protection Floor Plan	1/4"=1'-0"			
FP2.00	Fire Protection Building Sections	1/4"=1'-0"			

REVISION 1 NOTE:
THE FIRE SPRINKLER SYSTEM, AND ITS RELATED DETAILED INFORMATION SHOWN THESE FIRE PROTECTION DRAWINGS. HAS BEEN ADDED TO THIS BUILDING TO ADDRESS CODE REVIEW COMMENTS MADE REGARDING DEAD END REQUIREMENTS AND FIRE-RESISTANCE RATED CORRIDORS.

WADSWORTH O'NEAL ASSOCIATES 4575 VIA ROYALE FORT MYERS, FL 33919

(239) 245-8728 COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383 PROJECT NO. 20-105





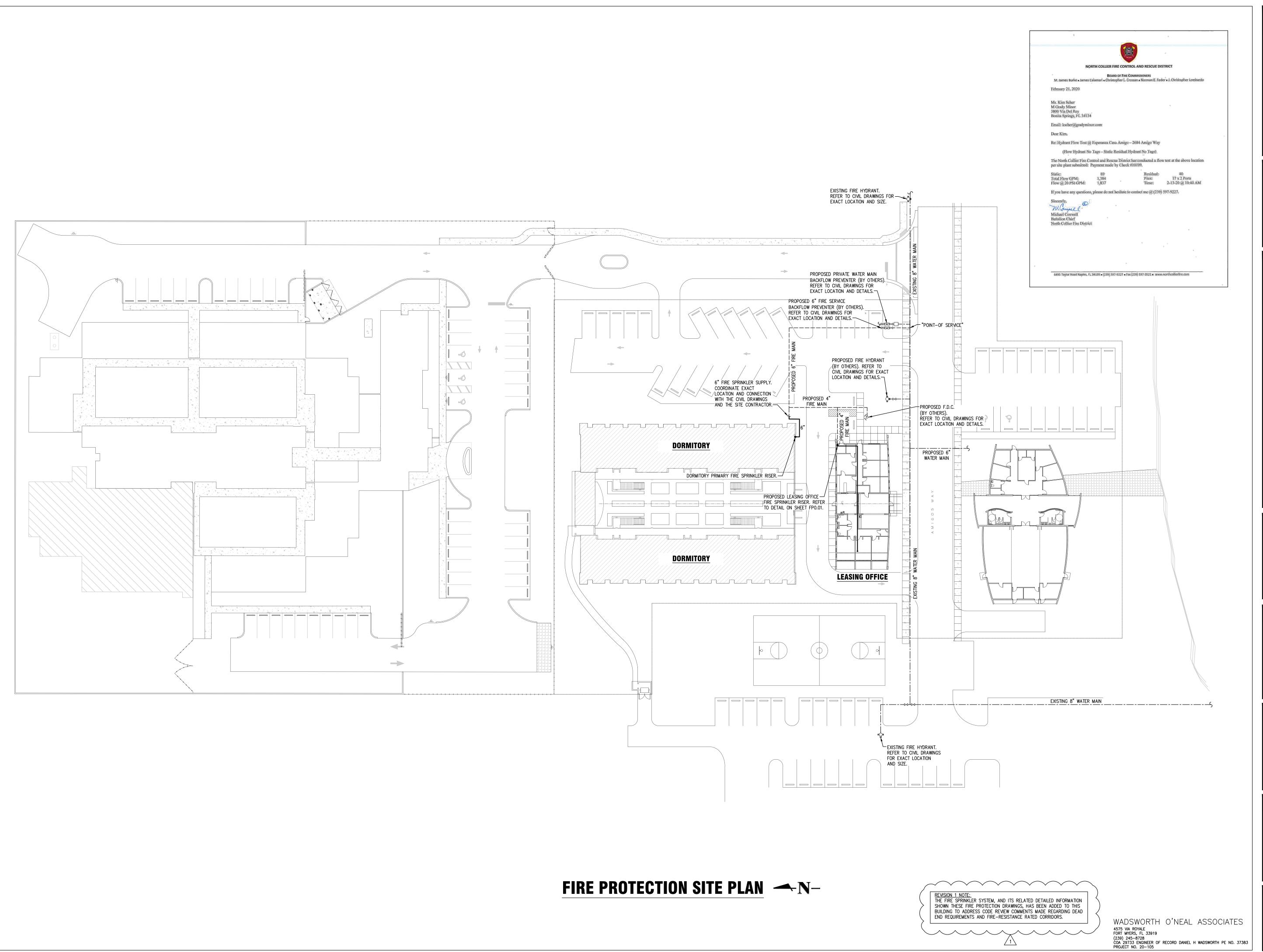
BUILDING E, FLORIDA **AMIGOS** LEASING ASA

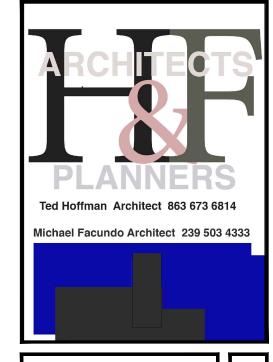


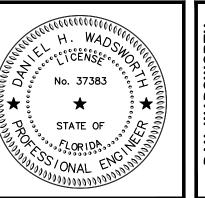
**PROTECTION** SCHEDULES, **DETAILS & FAC61G15 COMPLIANCE** 

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CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA

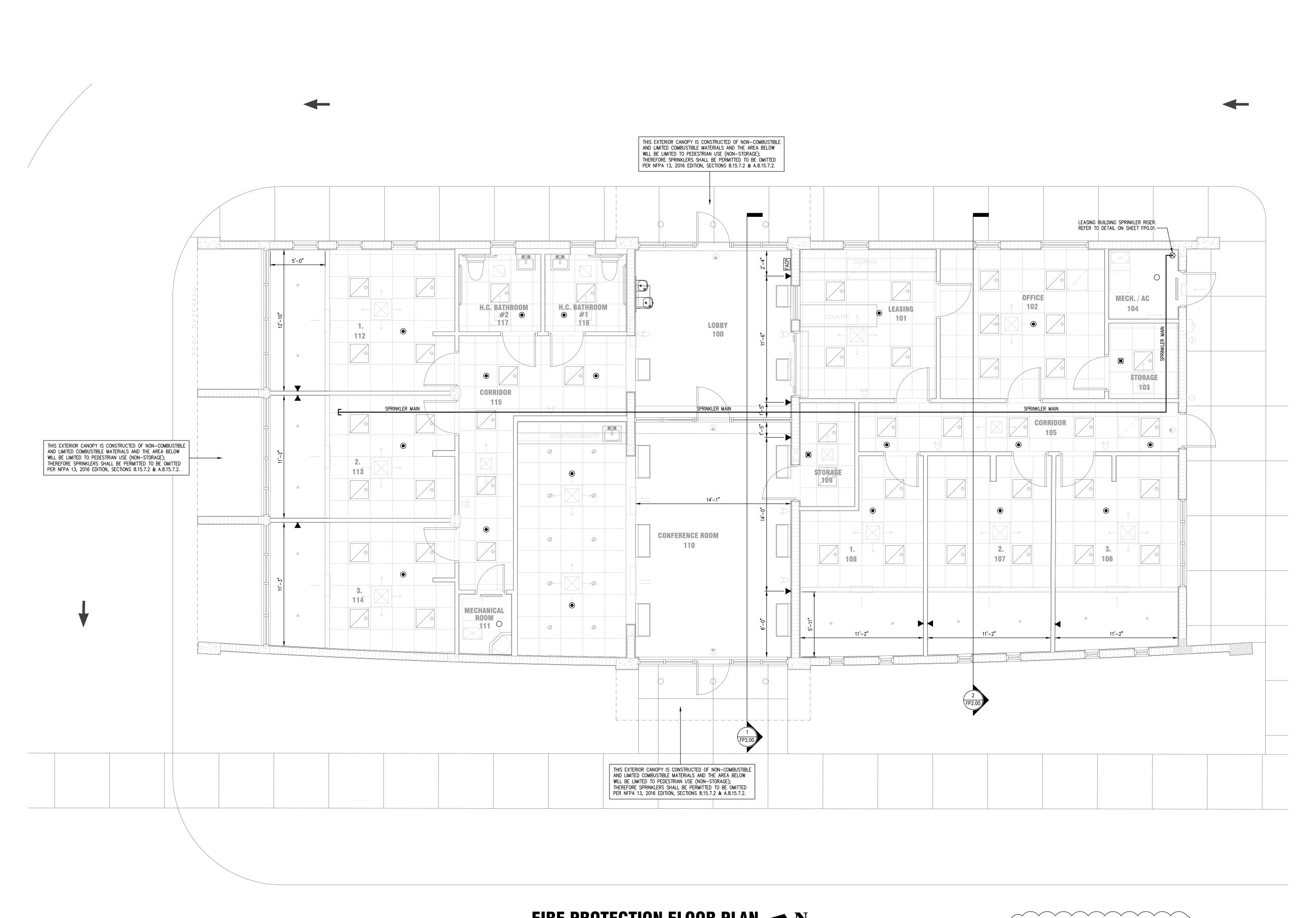


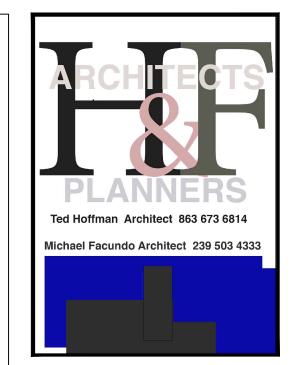
# FIRST FLOOR FIRE PROTECTION

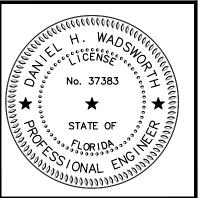
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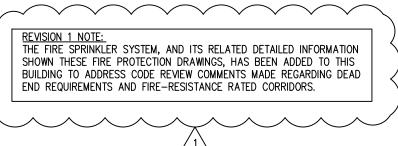
# FIRE PROTECTION FLOOR PLAN

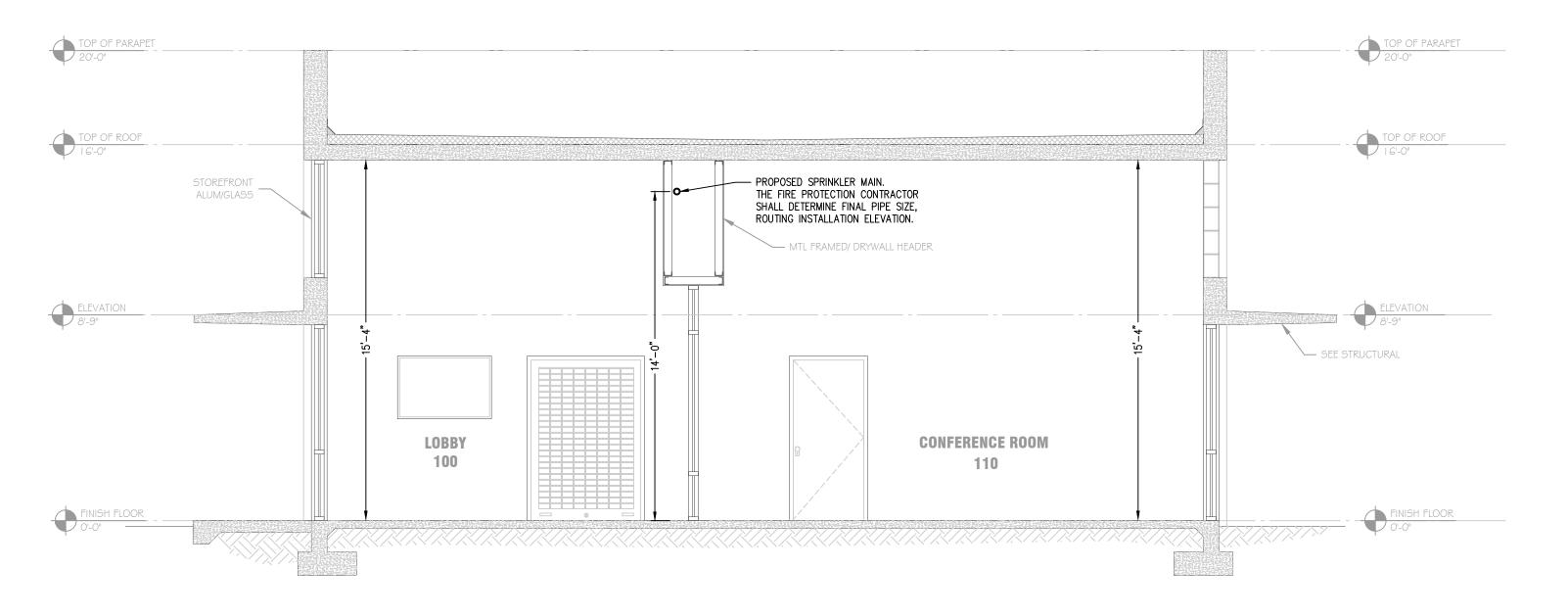
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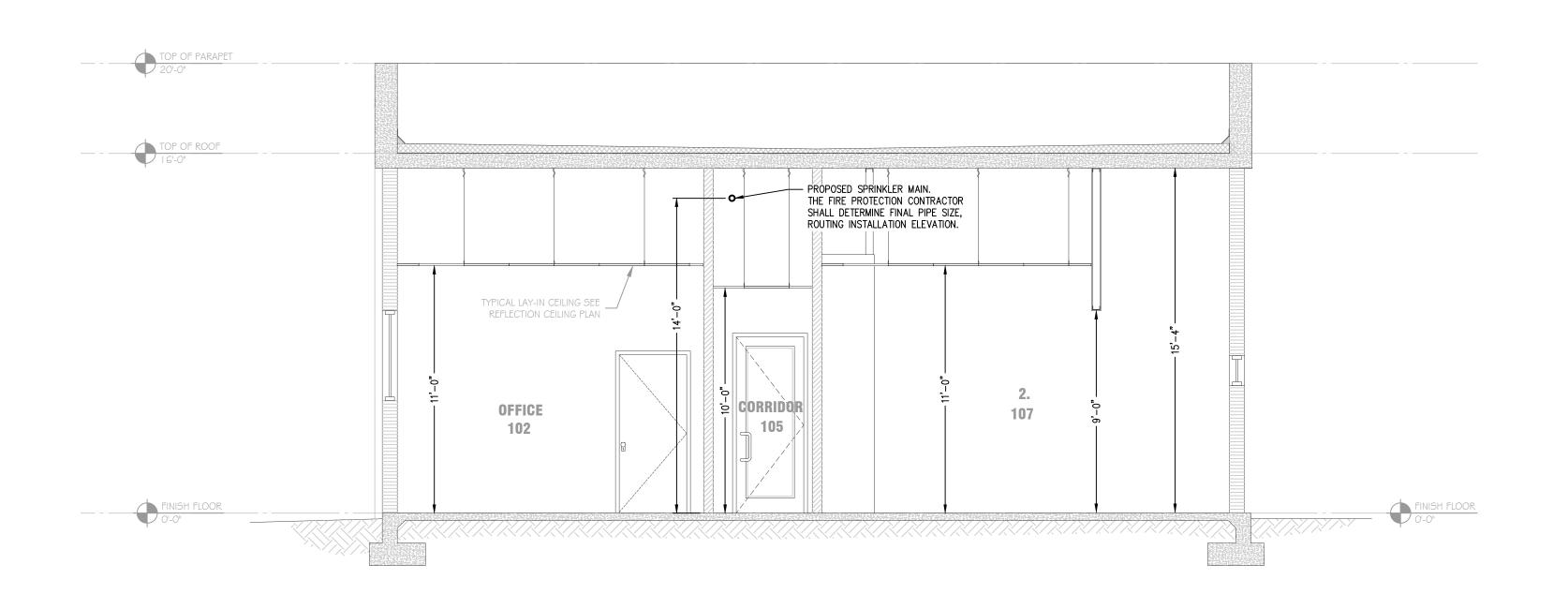
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COA 29733 ENGINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383
PROJECT NO. 20-105

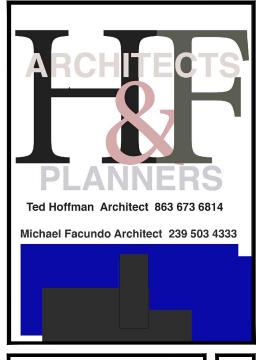


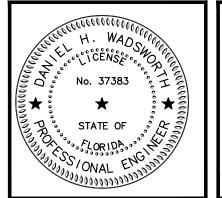


# **BUILDING SECTION 1 / FP2.00**



**BUILDING SECTION 2 / FP2.00** 





CASA DE AMIGOS EASING BUILDING



FIRE PROTECTION BUILDING SECTION

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PROJECT NO. 20-105