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

Owner/Developer:

# 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 305.242.2142

FOLIO: 00082967103 SAWCC PO BOX 10102 NAPLES, FL 34104 239.594.9984

FOLIO'S: 00076040007 & 00076200009 FLORIDA NON-PROFIT SVCS INC PO BOX 343529 FLORIDA CITY, FL 33034 305.242.2142

LEGAL DESCRIPTION:

32 46 29 PORTION AS DESCRIBED IN OR 5628 PG 66 AS FOLLOWS: BEG NW CNR TR FD-1 ESPERANZA PL, S665.7FT, N 260.26 FT, W 282.98FT, S 66.28FT, W 177.85FT, E 531.34FT TO POB OR 4242 PG 2471

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

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

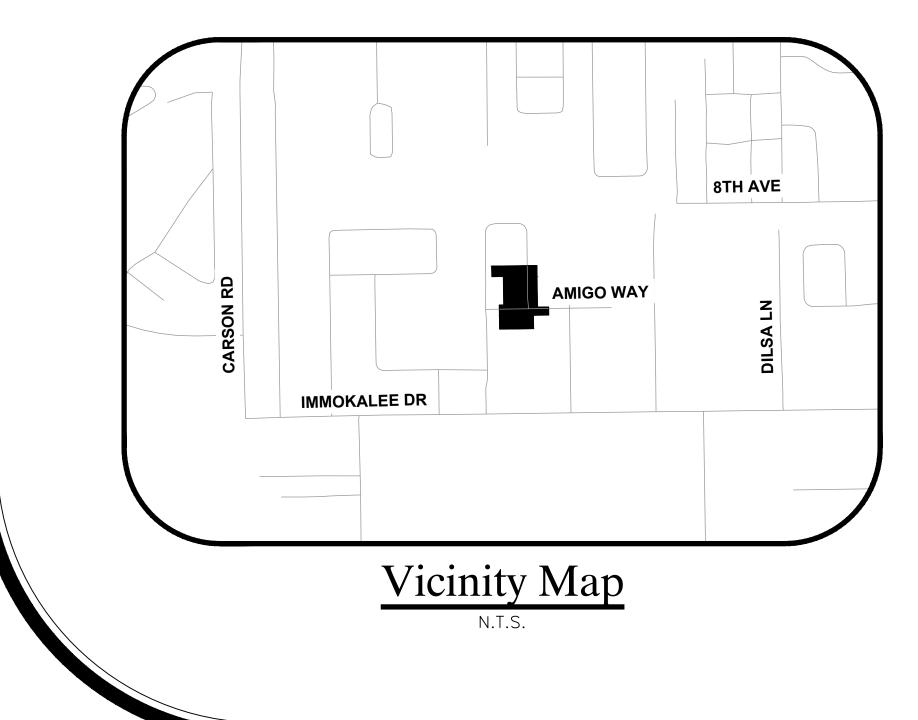
OR 4242 PG 2470 A PARCEL OF LAND LOCATED IN SECTION 32 TOWN

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

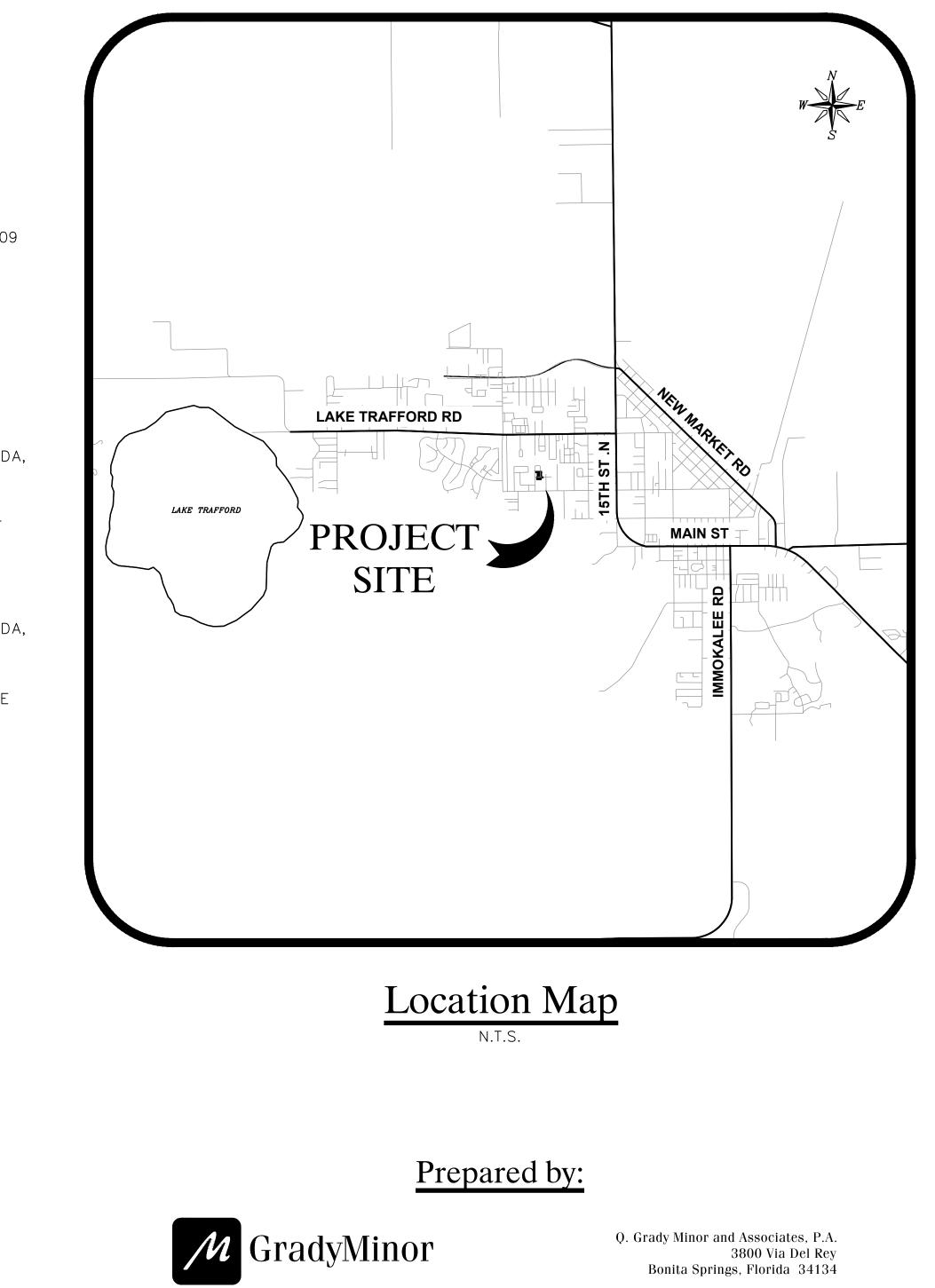
THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 32, TOWNSHIP 46 SOUTH, RANGE 29 EAST, ALL LYING AND BEING IN COLLIER COUNTY, FLORIDA, LESS AND EXCEPT THE EAST 1,058.80 FEET THEROF AND THE SOUTH 30.00 FEET FOR ROAD RIGHT OF WAY, CONTAINING 7.92 ACRES, MORE OR LESS.

### 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



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



Civil Engineers<br/>Cert. of Auth. EB 0005151Land Surveyors<br/>Cert. of Auth. LB 0005151Planners<br/>PlannersBonita Springs: 239.947.1144www. GradyMinor.com

• Landscape Architects Business LC 26000266 Fort Myers: 239.690.4380



# Index of Sheets

### Dwg. No.

### Sheet Description

- 1 COVER SHEET AND INDEX OF DRAWINGS
- GENERAL NOTES
- -3 AERIAL AND EXISTING CONDITIONS
- 4 EROSION CONTROL PLAN
- 5 OVERALL SITE PLAN
- 6 SITE AND SIGNAGE PLAN
- 7 GRADING, PAVING AND DRAINAGE PLAN
- 8 UTILITY PLAN
- 9 CROSS SECTION AND DETAILS
- -10 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

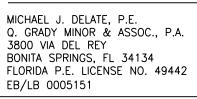
DWG.

TOBER 2021 E: EPCA-SDPA COV.E E: EPCA

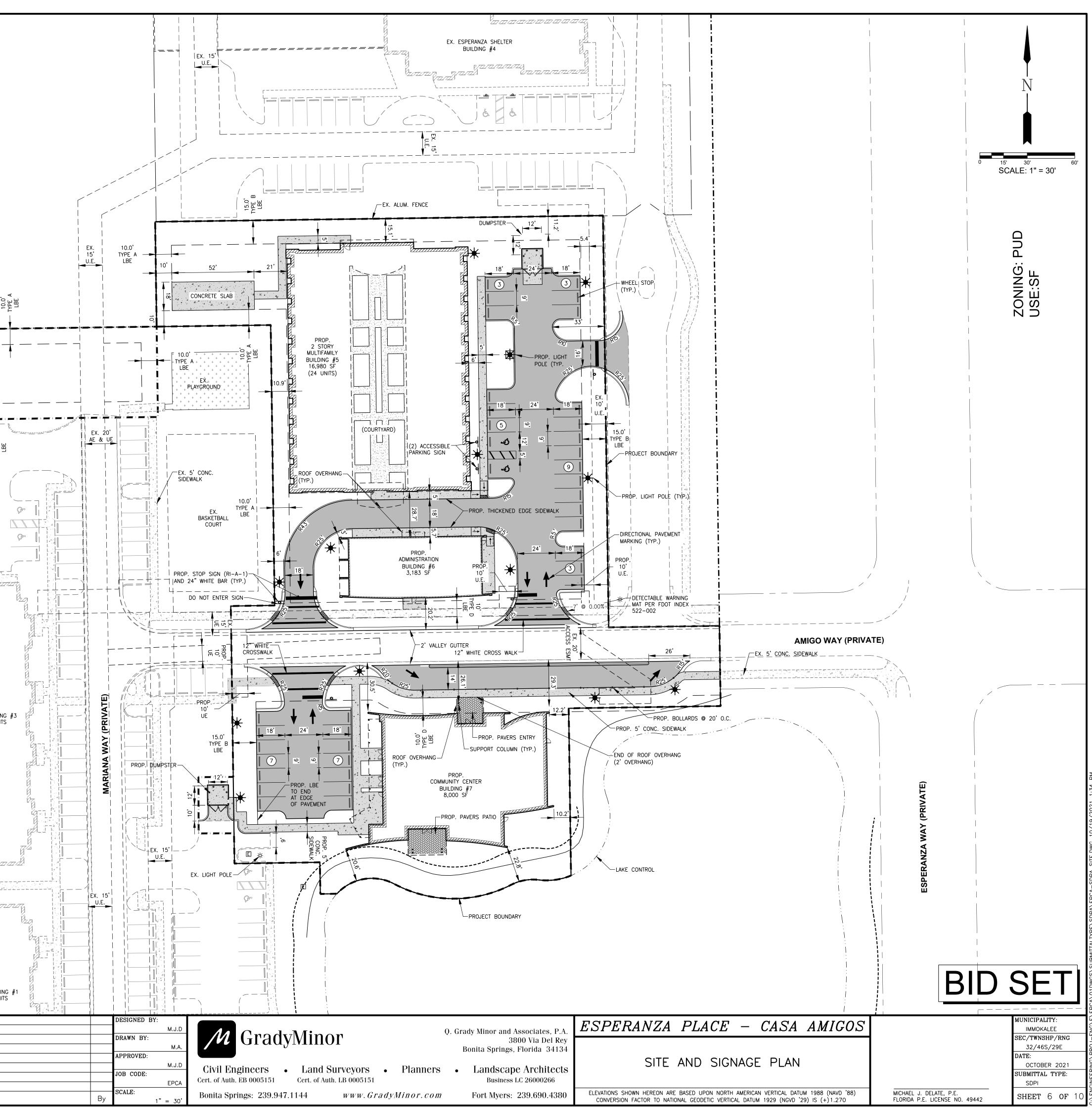
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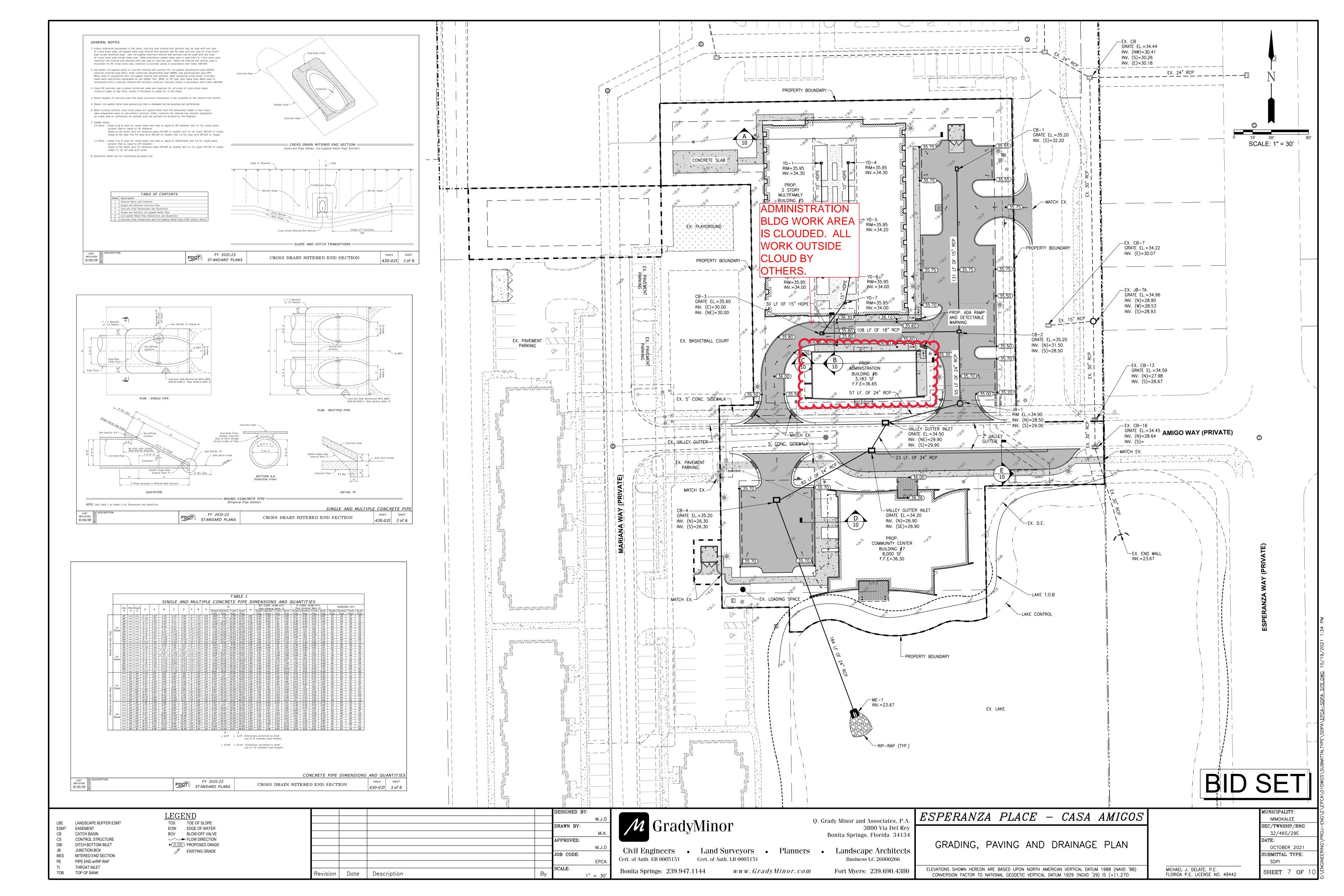
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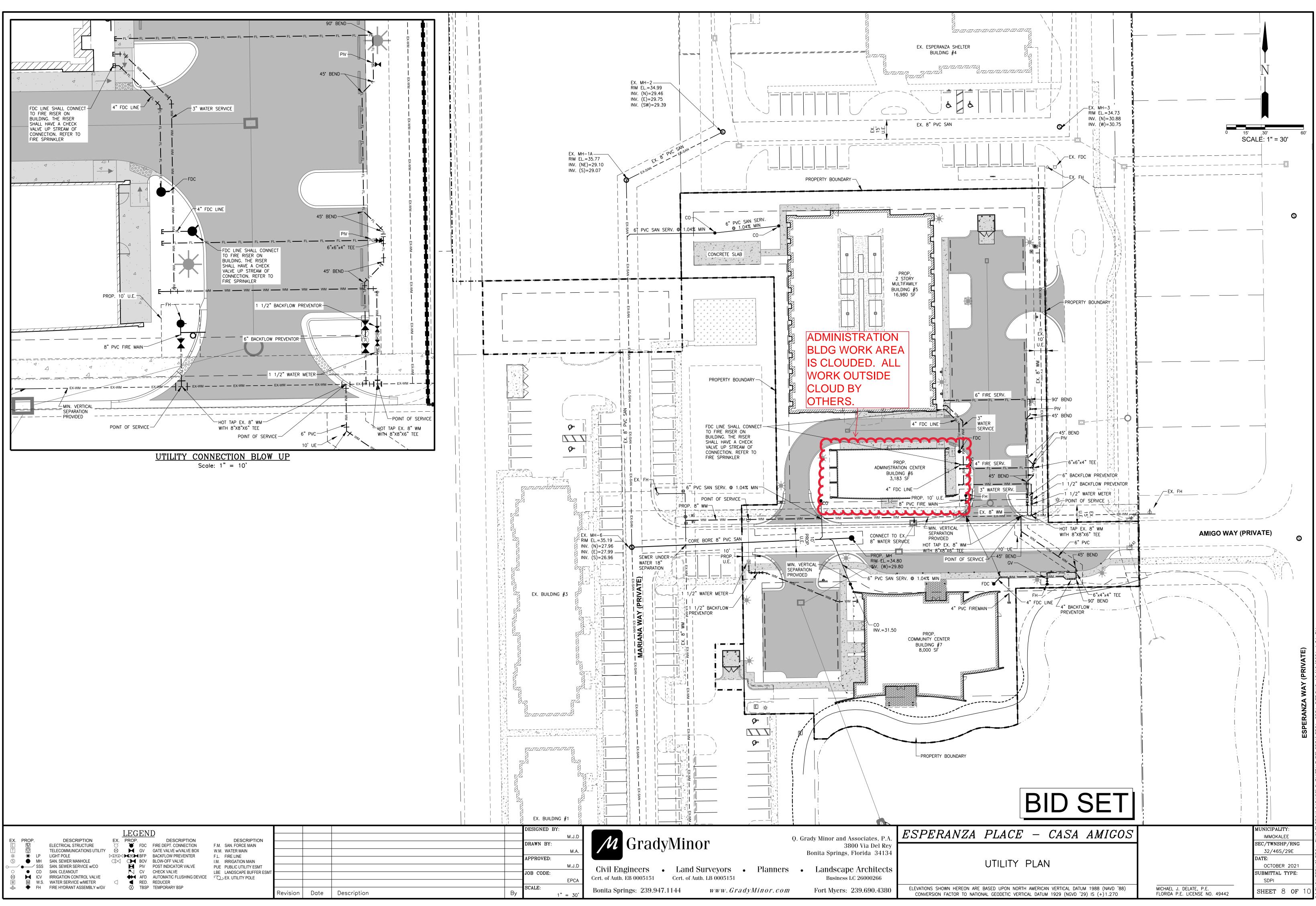
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	LEGEND	ZONING: MH USE: MOBILE HOME		ן   	JMPSTER 23.3' 23.3' 23.3' JMPSTER 1 23.4' 1 23.4' 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	TIS.0' TYPE B LBE EX. BUILDING
PROPOSED PAVEME PROPOSED CONCRE PROPOSED PAVERS EXISTING CONCRET	ETE					
			Revision	Date	Description	 n

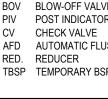






		TELECONNICI
*	LP	LIGHT POLE
	MH	SAN. SEWER MA
	∕ SSS	SAN. SEWER SE
٠	CO	SAN. CLEANOUT
M	ICV	IRRIGATION CON
M	W.S.	WATER SERVICI
+	FH	FIRE HYDRANT

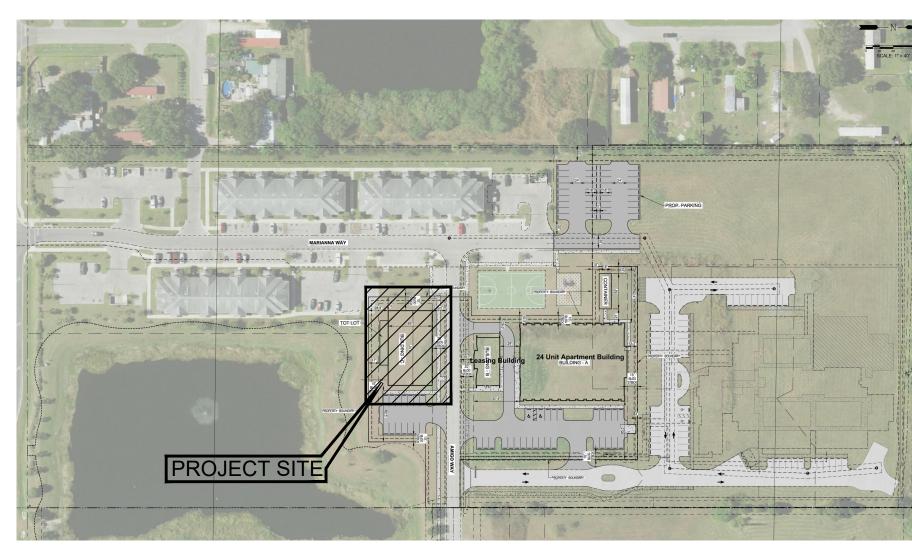




# CASA DE ANIGOS **COMMUNITY CENTER / OFFICE** Immokalee, Florida

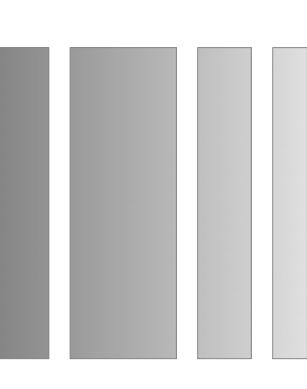


Developer: Rural Neighborhoods Location Address: 2687 Amigo Way, Immokalee FL. 34142 Building # 6



BUILDING SUMMERY:	APPLICABLE CODES:				
LDC SECTION $1.08.02 = 2,352$ SF LDC SECTION $4.05.04.B.1 = 2,252$ SF FBC502 = 2,530 SF	<ul> <li>2020 FLORIDA BUILDING CODE 7TH EDITION: BUILDING</li> <li>2020 FLORIDA BUILDING CODE 7TH EDITION: ACCESSIBIL</li> <li>2020 FLORIDA BUILDING CODE 7TH EDITION: ENERGY CONSERVATION</li> </ul>				
FLORIDA FIRE PREVENTION CODE & NFPA 101 7TH EDITION (APPLICABLE CODES)	<ul> <li>2020 FLORIDA BUILDING CODE 7TH EDITION: FUEL GAS</li> <li>2020 FLORIDA BUILDING CODE 7TH EDITION: MECHANICAL</li> <li>2020 FLORIDA BUILDING CODE 7TH EDITION: PLUMBING</li> <li>2020 FLORIDA FIRE PREVENTION CODE &amp; NFPA 7TH</li> </ul>				
CODE INFO: OCCUPANCY CLASSIFICATION: BUSINESS AND UNCONCENTRATED ASSEMBLY	EDITION - 2020 NATIONAL ELECTRIC CODE 2020 EDITION				
TOTAL OCCUPANT LOAD: BUSINESS	WIND PARAMETERS: METHOD OF DESIGN: ASCE 7–10 BASIC WIND SPEED: 160				
TYPE OF CONSTRUCTION: TYPE IIB, SPRINKLERED	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
- A-10 Specifications
- LS-1 Life Safety Plan  $\dots$

# 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

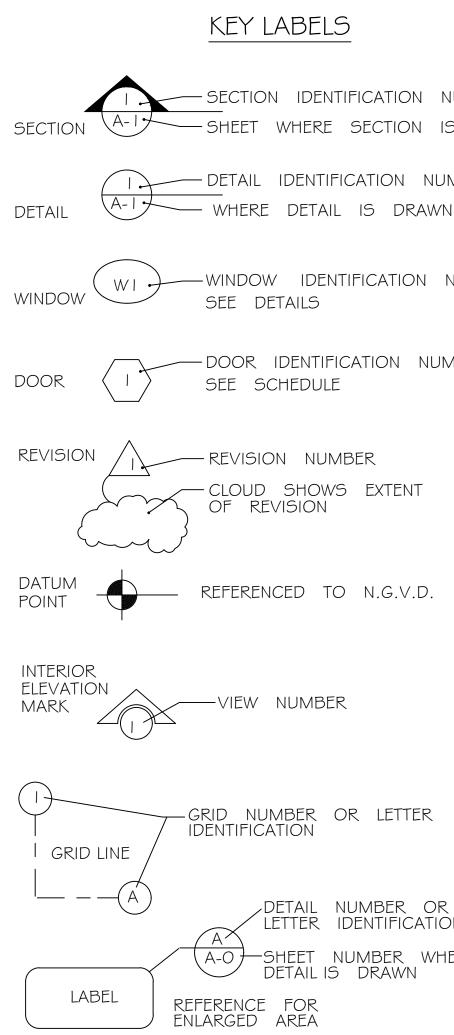
# Structural Engineer

- 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) Sept. 27<sup>th</sup> 2021

# MATERIAL LEGEND COMPACTED SOIL COMPACTED LIMEROCK D:0:0:0:0:0 BASE CONCRETE MASONRY UNIT CONCRETE (DETAILS) PLASTER, CEMENT, MORTAR LUMINUM PLYWOOD, LARGE SCALE PLYWOOD, SMALL SCALE WOOD, FINISH NOOD BLOCKING, ROUGH FRAMING, SECTION WOOD, BLOCK, SHIMS NSULATION, RIGID SEALANT



SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN

- DETAIL IDENTIFICATION NUMBER

-WINDOW IDENTIFICATION NUMBER

DOOR IDENTIFICATION NUMBER

- CLOUD SHOWS EXTENT

REFERENCED TO N.G.V.D.

GRID NUMBER OR LETTER

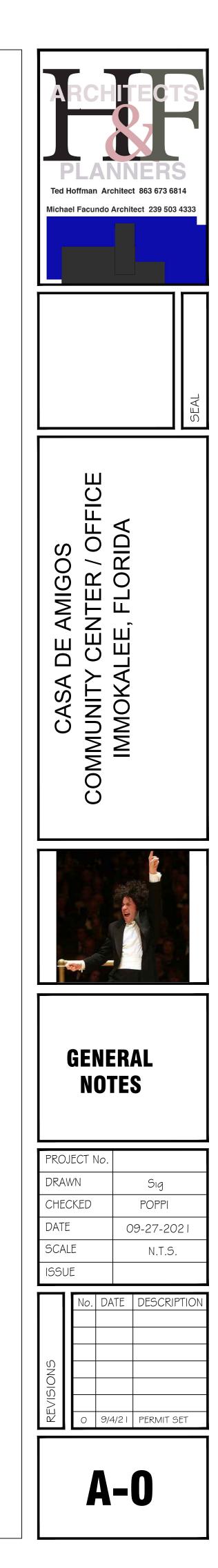
DETAIL NUMBER OR LETTER IDENTIFICATION

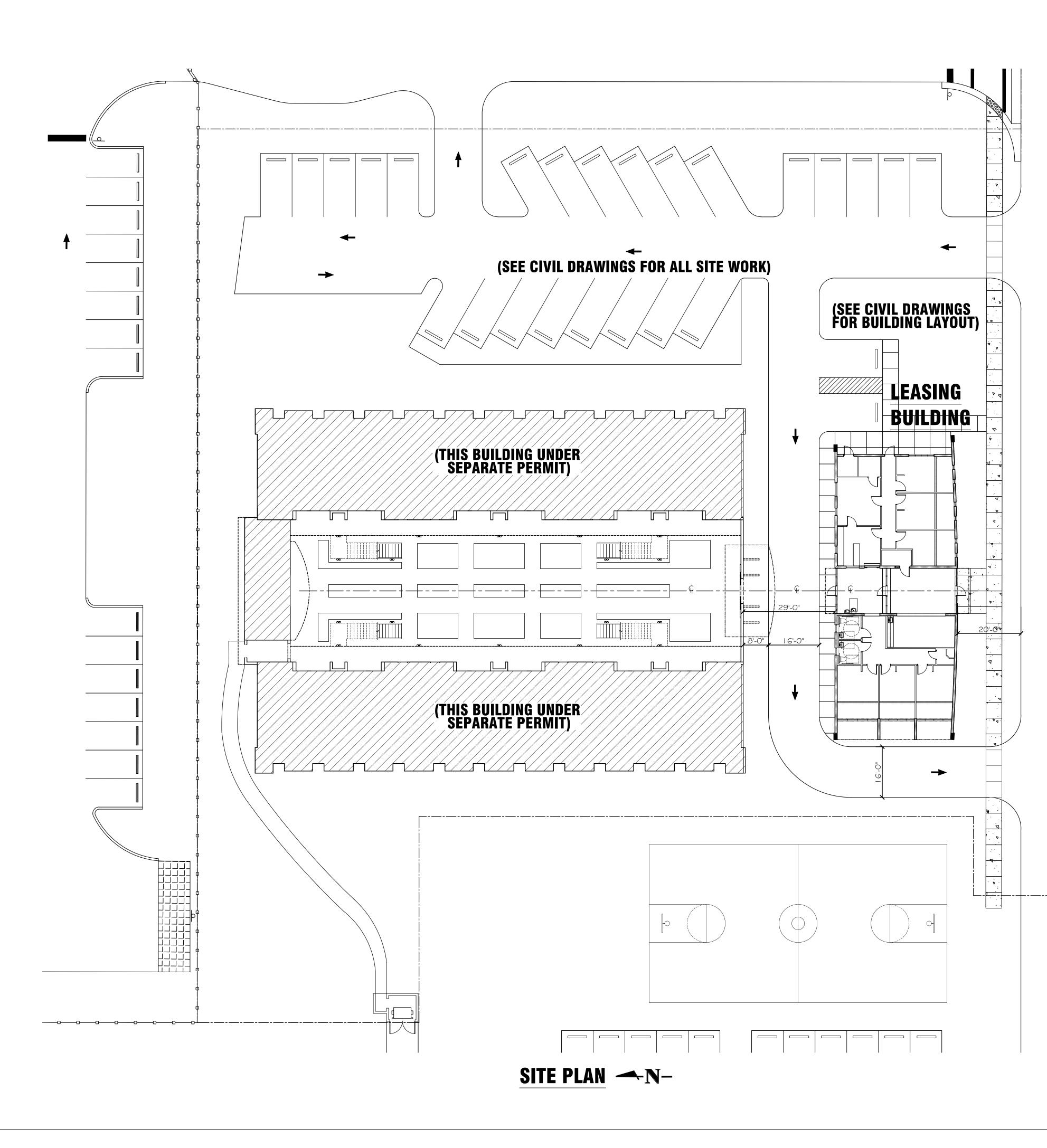
DETAIL IS DRAWN

### 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.
- I. 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.
- 12. 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.
- 13. 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.
- 15. 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.
- 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 SPECIFICATIONS.
- 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 (1) 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 REQUÍREMENTS 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 TO 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.

I.G. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATION, AND SUBMIT A PROGRAM FOR SECURITY OF PROJECT AND

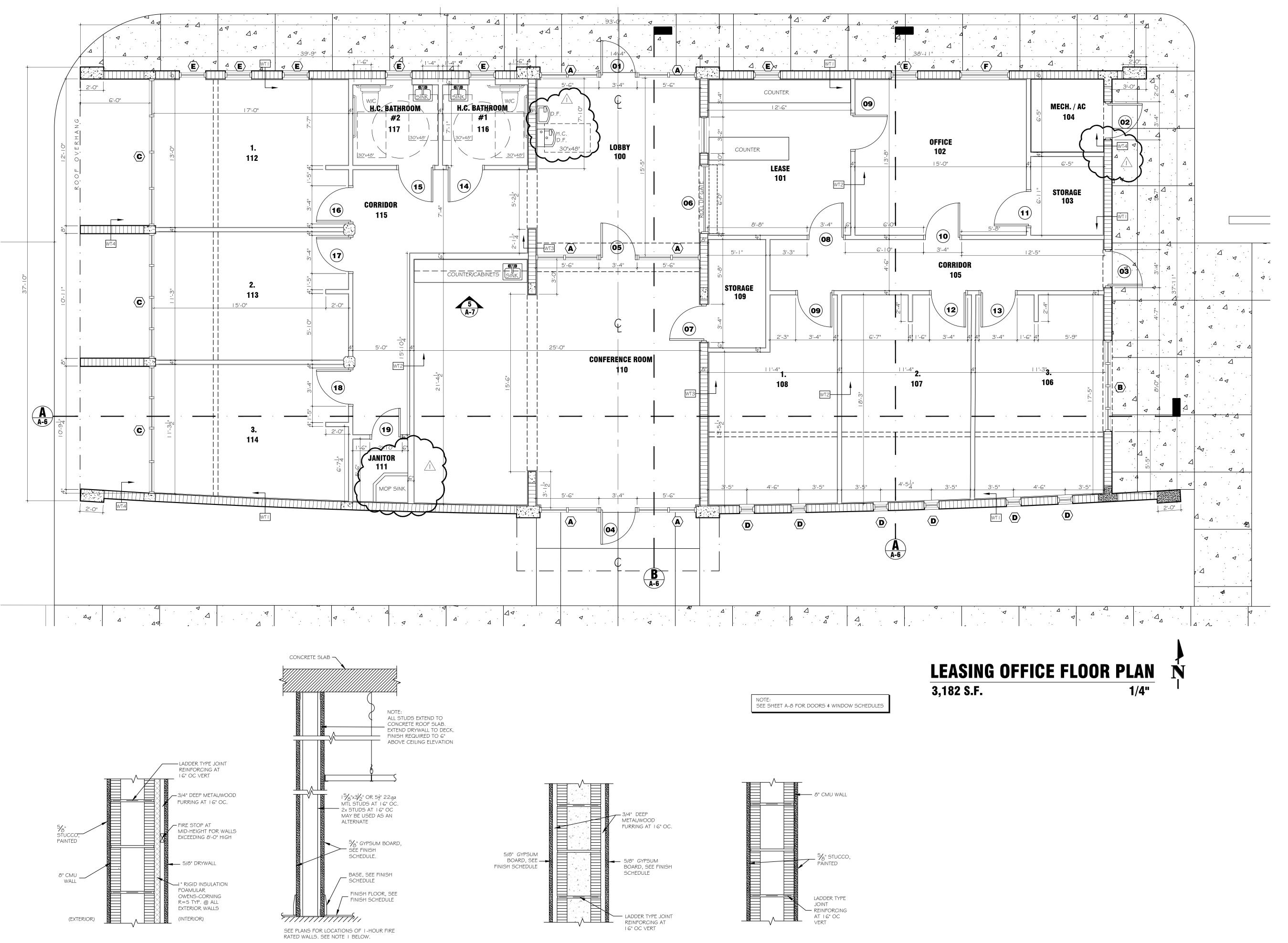


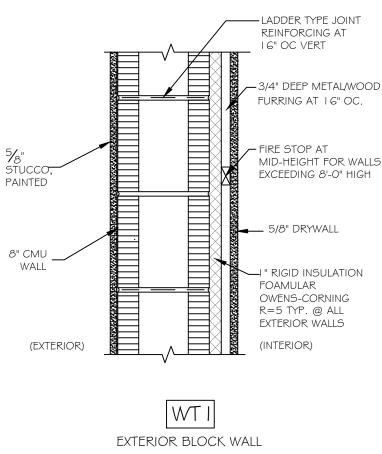


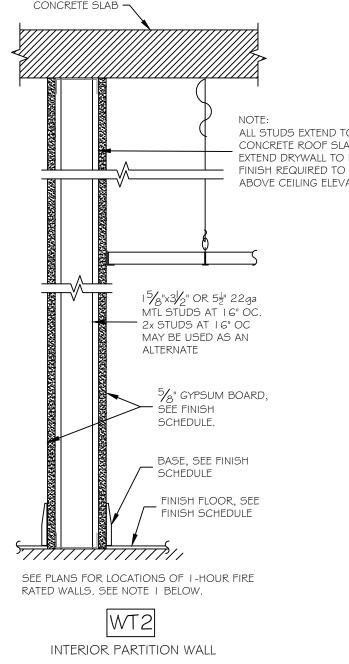
Absolution   Absolution Abs
SEAL
Casa de Amigos Community center / office Immokalee, florida
SITE PLAN
PROJECT No.DRAWNSigCHECKEDPOPPIDATE09-27-2021SCALE1/16"
ISSUE
<b>A-1</b>

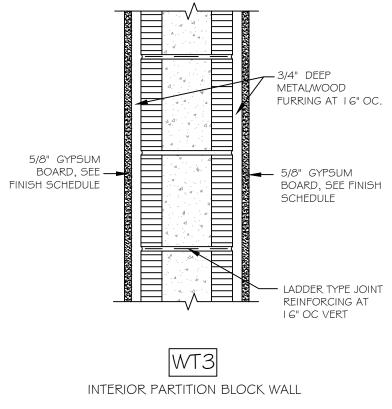
MIGOS WAY

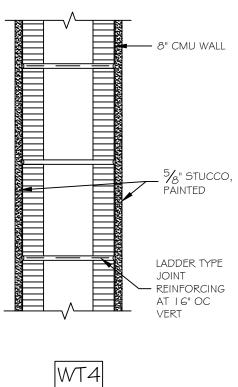
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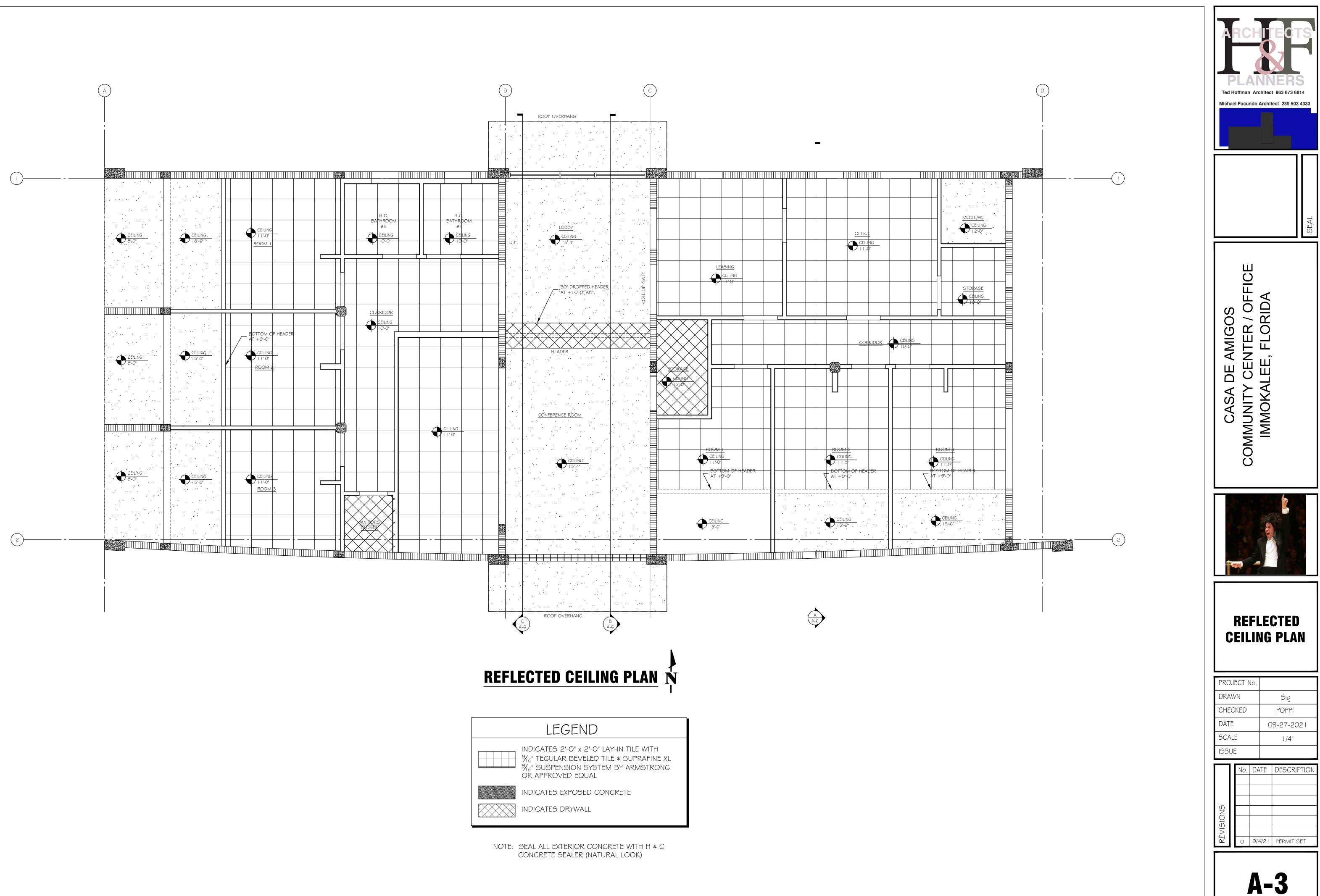


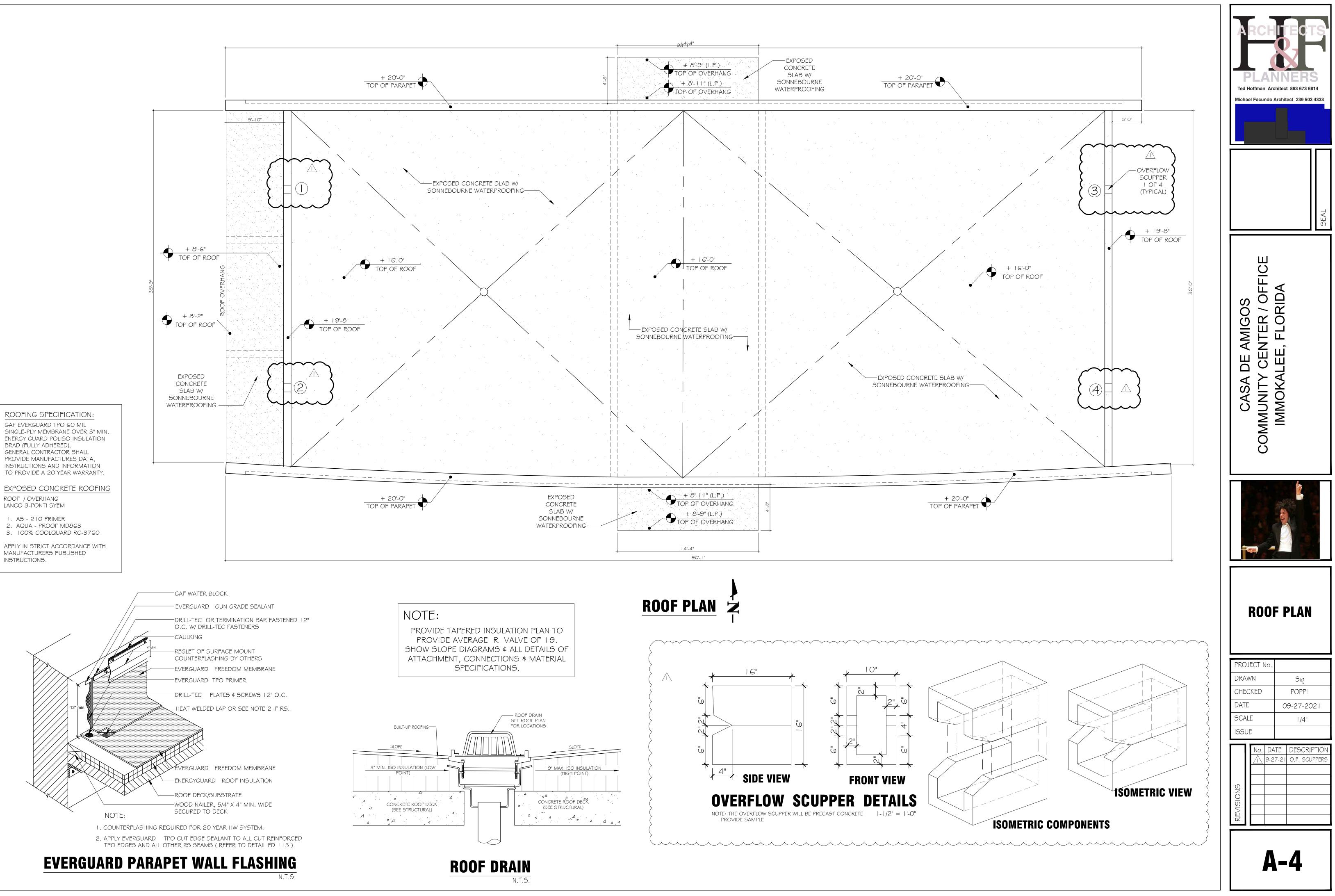


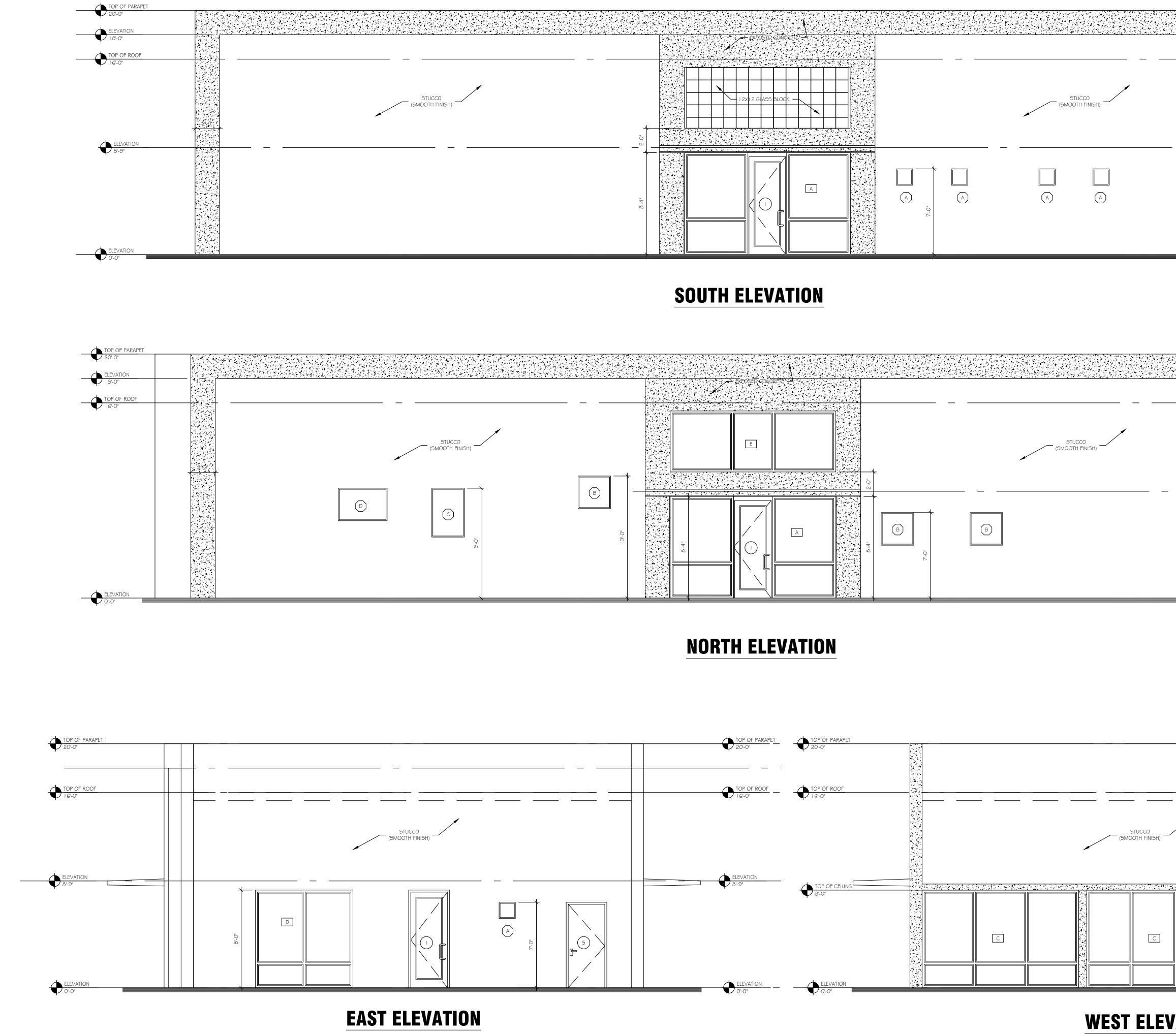
EXTERIOR BLOCK WALL





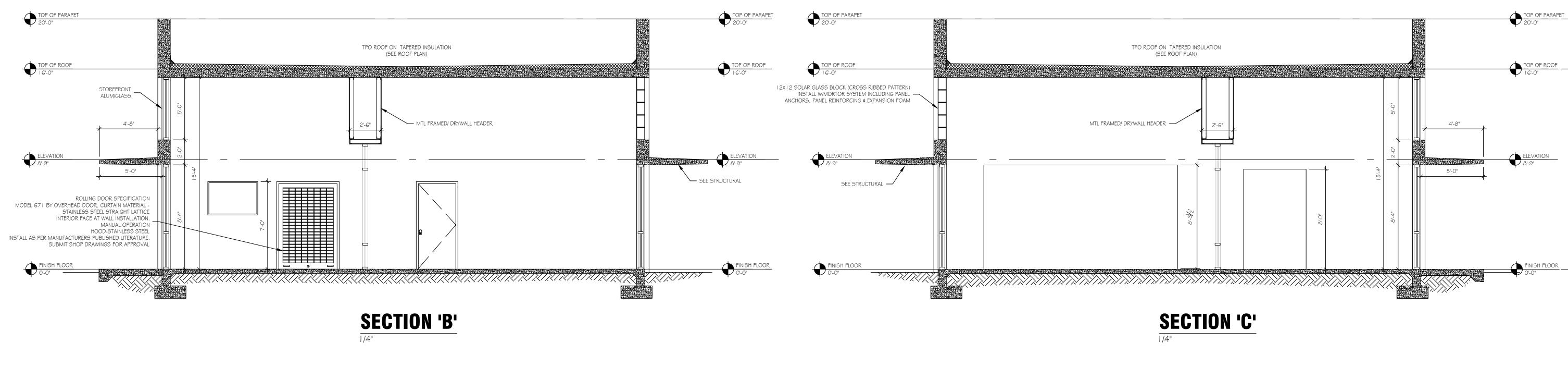


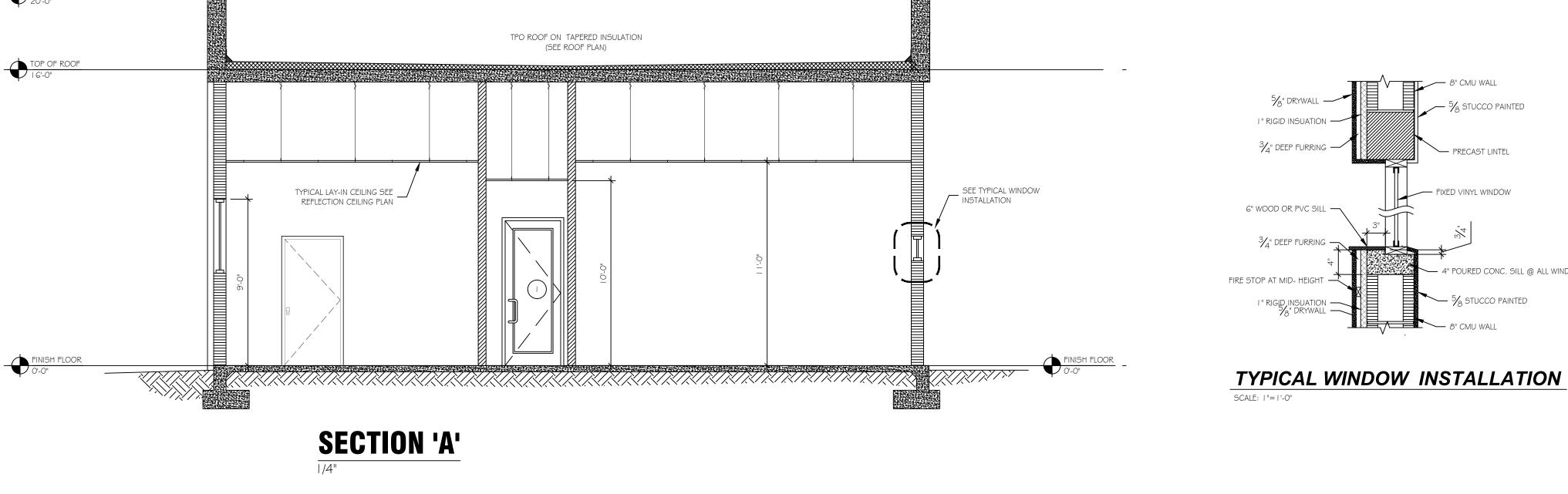




# WEST ELEVATION

	► TOP OF PARAPET 20'-0" ELEVATION 18'-0" TOP OF ROOF 16'-0"	Ted Hoffman Architect 863 673 6814         Michael Facundo Architect 239 503 4333
	ELEVATION 20-0" ELEVATION 10-0" TOP OF ROOF 16-0" ELEVATION 8-9"	CASA DE AMIGOS COMMUNITY CENTER / OFFICE IMMOKALEE, FLORIDA
	ELEVATION D'-O"	EXTERIOR
	TOP OF PARAPET 20'-0" TOP OF ROOF I G'-0"	ELEVATIONSPROJECT No.DRAWNSigCHECKEDPOPPIDATE09-27-2021SCALE1/4"ISSUE
	ELEVATION	SNOISTAN O 9/4/21 PERMIT SET





TOP OF PARAPET

- 5/8 STUCCO PAINTED

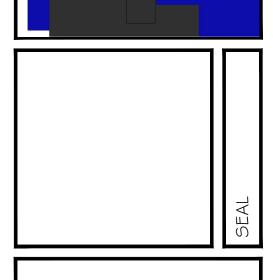
4" POURED CONC. SILL @ ALL WINDOWS

- FIXED VINYL WINDOW

PRECAST LINTEL

- 8" CMU WALL STUCCO PAINTED

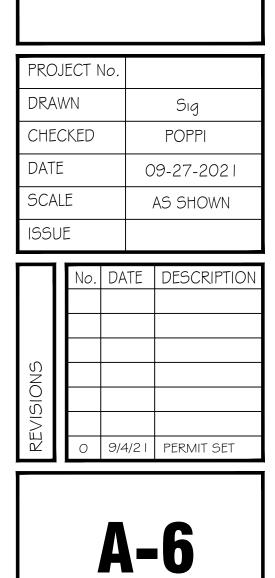
Ted Hoffman Architect 863 673 6814 Michael Facundo Architect 239 503 4333

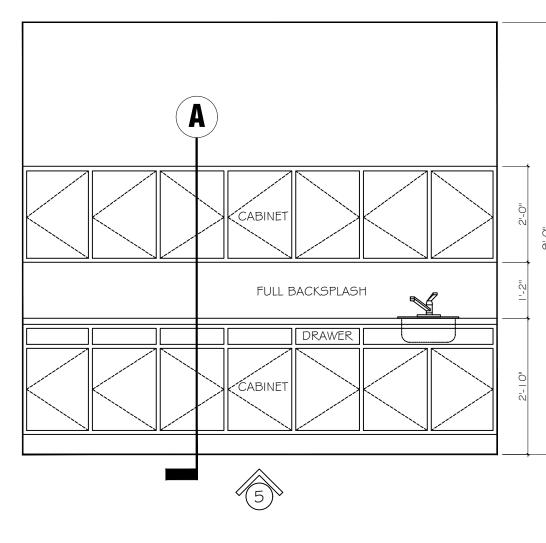


COMMUNITY CENTER / OFFICE IMMOKALEE, FLORIDA AMIGOS ШΟ CASA



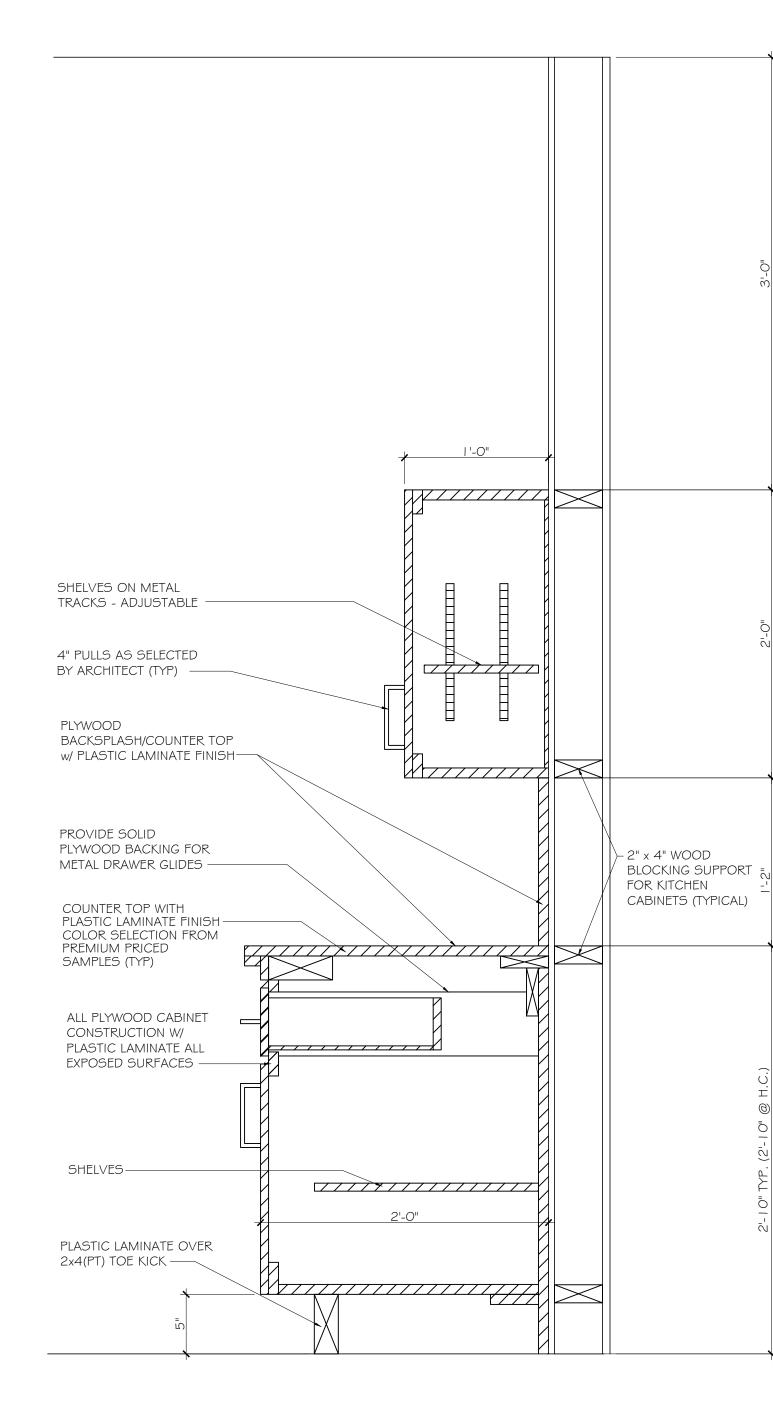
## BUILDING SECTIONS





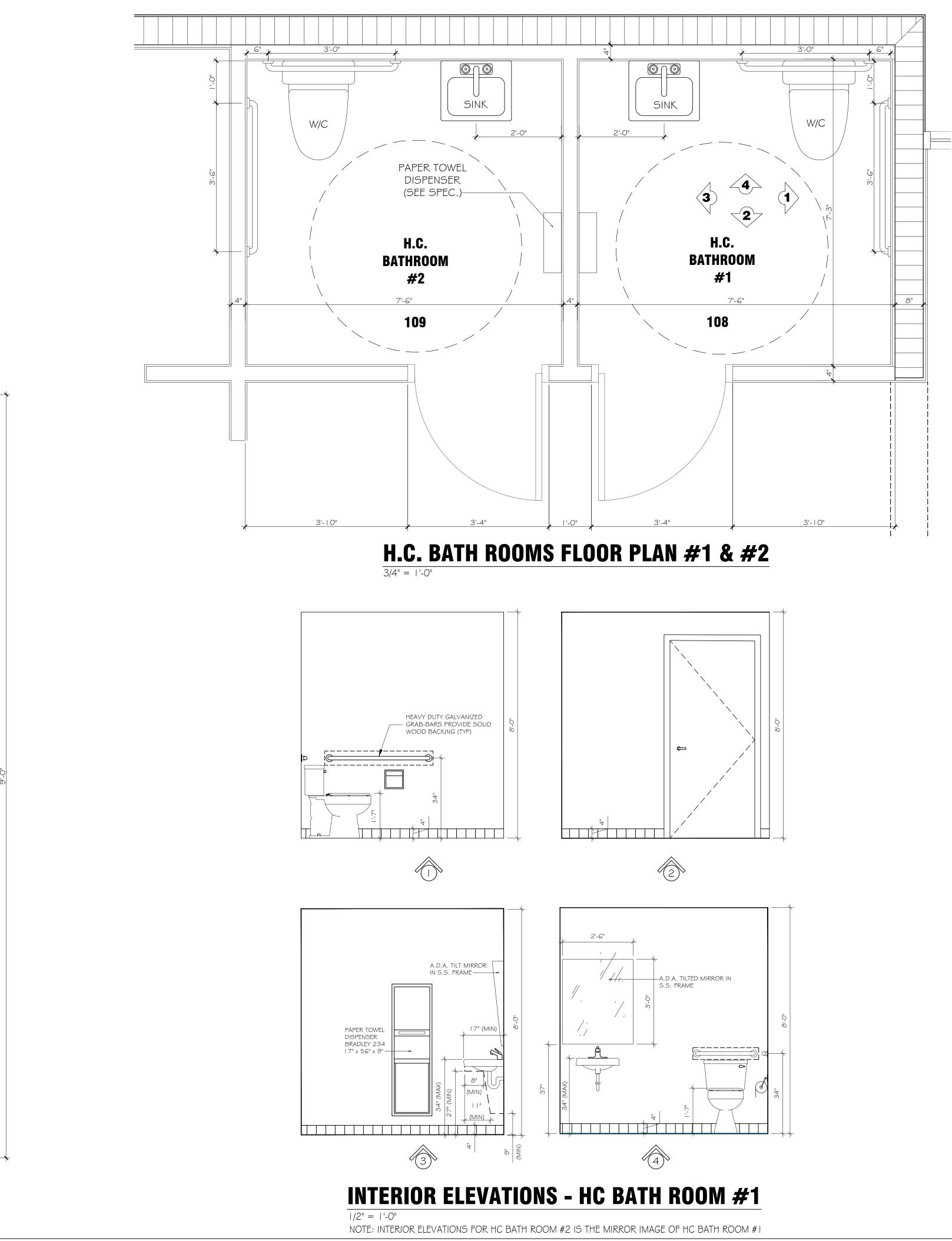
# **INTERIOR ELEVATION. - CABINETS**



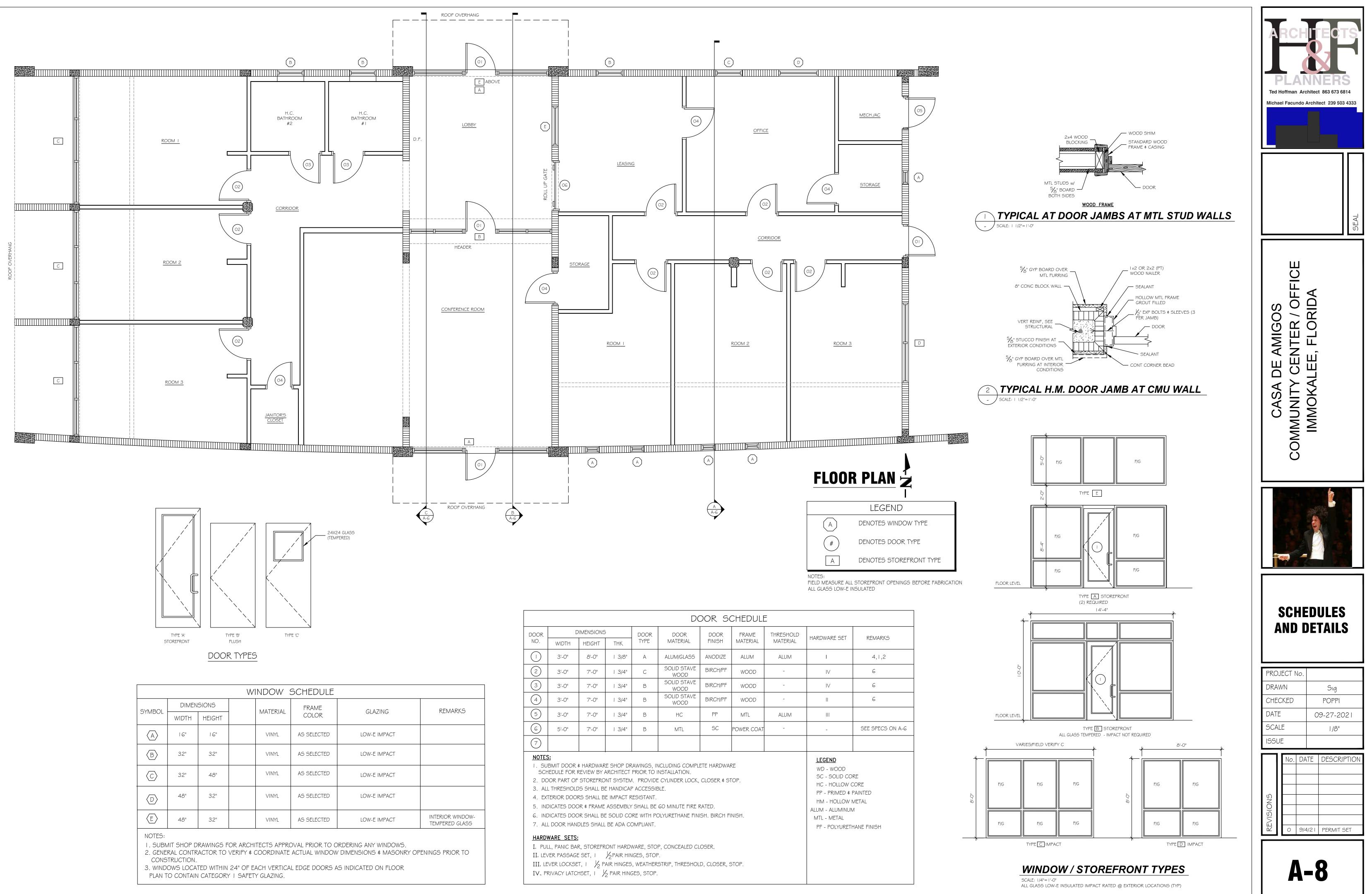


# **KITCHENETTE CABINET SECTION 'A'**

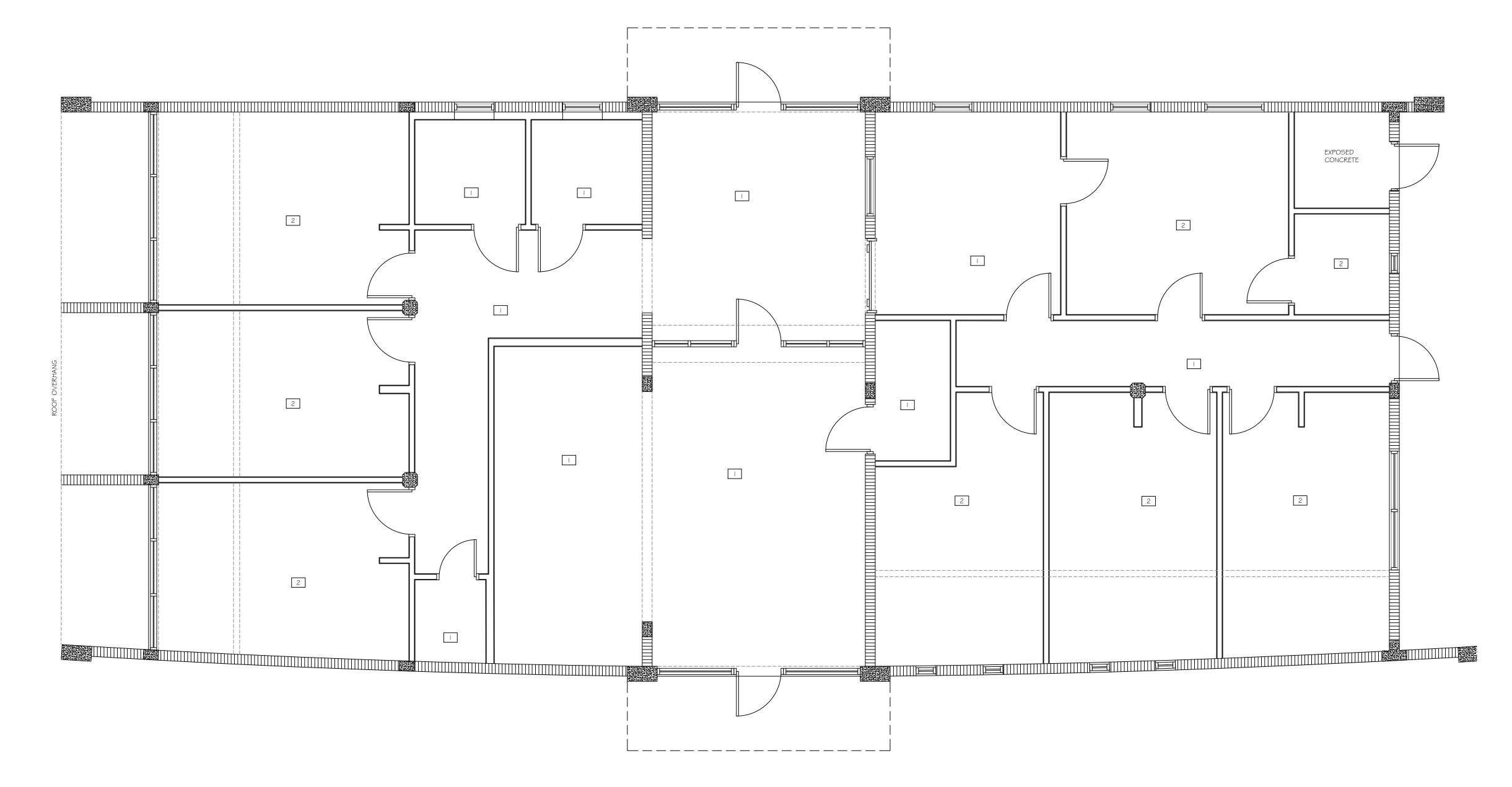
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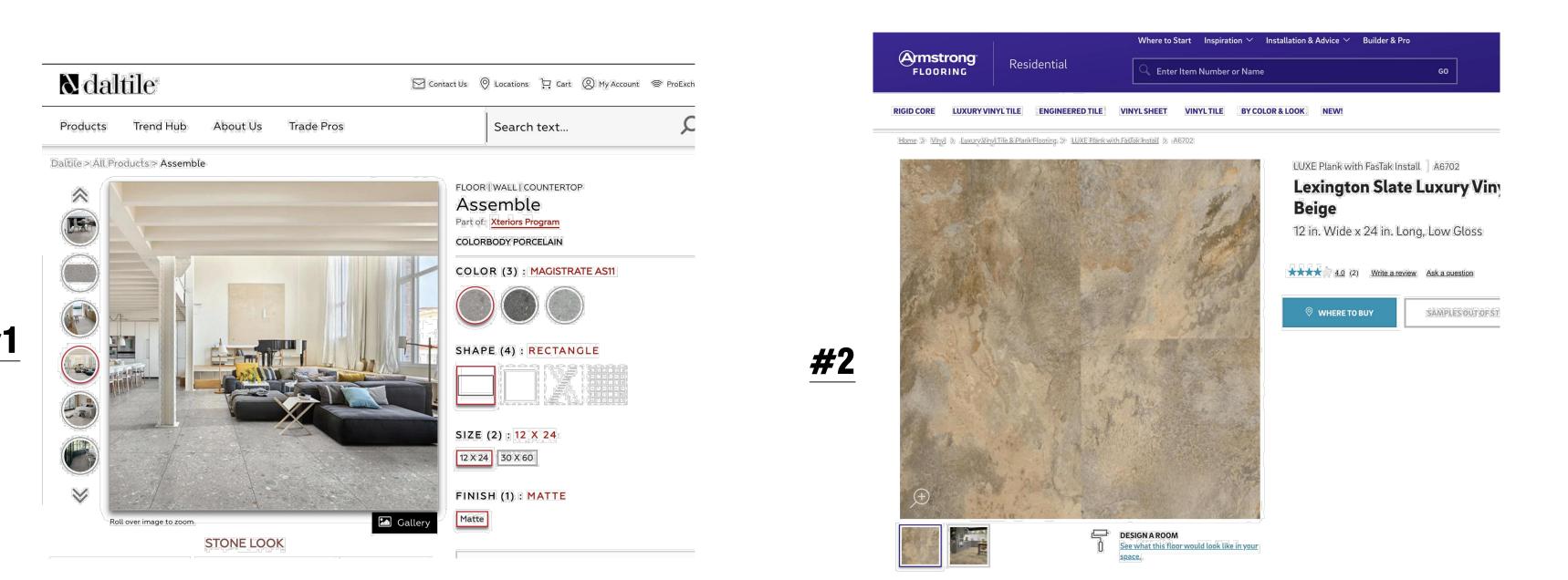






					DC	DOR S	CHEDULE	-		
DOOR	E	DIMENSIONS	)	DOOR	DOOR	DOOR	FRAME	THRESHOLD	HARDWARE SET	REMARKS
NO.	WIDTH	HEIGHT	THK	TYPE	MATERIAL	FINISH	MATERIAL	MATERIAL	TIANDWANL JLT	
	3'-0"	8'-0"	3/8"	A	ALUM/GLASS	ANODIZE	ALUM	ALUM	I	4,1,2
2	3'-0"	7'-0"	3/4"	С	SOLID STAVE WOOD	BIRCH/PF	WOOD	-	IV	6
3	3'-0"	7'-0"	3/4"	В	SOLID STAVE WOOD	BIRCH/PF	WOOD	-	IV	6
4	3'-0"	7'-0"	3/4"	В	SOLID STAVE WOOD	BIRCH/PF	WOOD	-	11	6
5	3'-0"	7'-0"	3/4"	В	НС	PP	MTL	ALUM		
6	5'-0"	7'-0"	3/4"	В	MTL	SC	POWER COAT	-	-	SEE SPECS ON A-0
7										
<ul> <li>NOTES:</li> <li>1. SUBMIT DOOR &amp; HARDWARE SHOP DRAWINGS, INCLUDING COMPLETE HARDWARE SCHEDULE FOR REVIEW BY ARCHITECT PRIOR TO INSTALLATION.</li> <li>2. DOOR PART OF STOREFRONT SYSTEM. PROVIDE CYLINDER LOCK, CLOSER &amp; STOP.</li> <li>3. ALL THRESHOLDS SHALL BE HANDICAP ACCESSIBLE.</li> <li>4. EXTERIOR DOORS SHALL BE IMPACT RESISTANT.</li> <li>5. INDICATES DOOR &amp; FRAME ASSEMBLY SHALL BE GO MINUTE FIRE RATED.</li> <li>6. INDICATES DOOR SHALL BE SOLID CORE WITH POLYURETHANE FINISH. BIRCH FINISH.</li> <li>7. ALL DOOR HANDLES SHALL BE ADA COMPLIANT.</li> </ul>								LEGEND WD - WOOD SC - SOLID CO HC - HOLLOW C PP - PRIMED & I HM - HOLLOW N ALUM - ALUMINUM MTL - METAL PF - POLYURETH	CORE PAINTED METAL 1	
I, PUL II, LEV III, LE	ER PASSAG	- R, STOREFR E SET, I	$V_2$ PAIR HINA	IGES, STOF , WEATHER	STRIP, THRESHOL		STOP.			





#1

# **FLOOR PLAN**

# NOTES

- I . PROVIDE  $\frac{5}{8}$ " 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

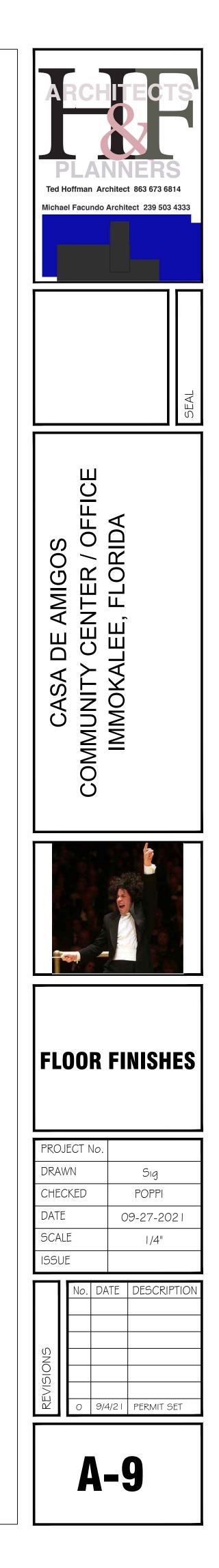
3. COLORS - CEILING, FLAT WHITE WALLS, EGG SHELL -3 COLORS BASEBOARD ∉ TRIM, SEMI-GLOSS, DIFFERENT COLOR.

4. WOOD BASE IN ALL ROOMS. 1X4 SQ EDGE. INSTALL 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.

G. THRESHOLDS OR TRANSITION NECESSARY REQUIRED AT ALL CHANGES OF FLOORING TYPE.

7. INSTALL ALL FLOORING IN STRICT ACCORDANCE WITH PUBLISHED MANUFACTURERS LITERATURE.





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

#### DRYWALL SYSTEMS

 GENERAL 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
- C. FINISH PAINT D. TECHNICAL LITERATURE AND INSTALLATION INSTRUCTIONS, MANUFACTURER'S LATEST EDITION.
- 1.0.3 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
- 2. 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".
- 2.02 JOINTS 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. TOPPING COMPOUND. DURABOND JOINT COMPOUND
- D. GLASS-FIBER TAPE AND SPECIAL CORNER BEAD AND TRIM FOR VENEER PLASTER.
- 2.03 TRIM PLASTIC OR ZINC LATH ACCESSORIES OF SIZES CORRESPONDING WITH WALL BOARD THICKNESS AND TYPES AS DETAILED ON DRAWINGS OR SELECTED BY ARCHITECT.

#### STUCCO 1. GENERAL

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

THE ARCHITECT.

- 2.01 MATERIALS 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
- 3. 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.

#### 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

#### 3.03 SCRATCH AND BROWN COATS A. WELL RODDED AND STRAIGHTENED TO TRUE SURFACE; LEAVE ROUGH TO RECEIVE FINAL COAT. 3.04 FINAL COAT

BE AS DETAILED IN DRAWINGS.

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. 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

3.05 COMPLETION 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

3.02 STUCCO

3.07 COATING 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 OF DEFECTIVE STUCCO

#### 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 1.01 SUBMITTALS

- 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. 1.04 COORDINATION
- 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.

#### 2. PRODUCTS 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 A. SINGLE ACTING

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

- 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 WINDOWS, UNLESS OTHERWISE INDICATED.
- 2.04 ALUMINUM ALLOY AND FINISH A. PROVIDE ALL EXPOSED ALUMINUM, INCLUDING ACCESSORIES AND FASTENINGS WITH THE FOLLOWING:
  - 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 ANODIZED. FINAL SELECTION BY ARCHITECT

### 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.

- 2.08 HARDWARF 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. E. LOCKS: EQUIP DOORS WITH DOUBLE CYLINDER DEADLOCKS. F. EMERGENCY EXIT DEVICES: REFER TO HARDWARE SECTION AND DRAWINGS.

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

#### 3. 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 NETAL SUPPORTS AT TWENTY-FOUR (24) INCHES ON CENTER MAXIMUM. • ALUMINUM MULLION'S 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
- MATCH FRAMES. 3.02 ADJUSTMENT AND LUBRICATION A. LUBRICATE AND ADJUST DOORS AND HARDWARE, INCLUDING CLOSERS FOR EASY OPERATION WITH ALL WEATHERSTRIPPING IN UNIFORM CONTACT.

PAINTING 1. GENERAL

- 1.01 MATERIALS AND EQUIPMENT NOT TO BE PAINTED A. SURFACES SCHEDULED TO RECEIVE OTHER FINISHES OR PREFINISHED MATERIALS.
- 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. 1.02 PROTECTION OF SURFACES 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. TAKE ADEQUATE PRECAUTIONS AGAINST FIRE HAZARDS AS SPECIFIED IN SPECIAL CONDITIONS ARTICLE "SECURITY AND PROTECTION".
- 1.06 MAINTENANCE SAMPLES 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 WALL SURFACE.
- 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 SPECIFIED.
- 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. PRODUCTS 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, SUBJECT TO COMPLIANCE WITH SPECIFICATION REQUIREMENTS.
- 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 PREVIOUS APPROVAL BY ARCHITECT.

#### 3. EXECUTION 3.01 GENERAL

- A. MOISTURE AND TEMPERATURE CONTROL FOR BEFORE AND DURING APPLICATION TO BE IN ACCORD WITH 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 I ITER & THRE 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

3.03 APPLICATION TO EXTERIOR SURFACES

I CT. LOXON MASONRY PRIMER

B. HARDIBOARD, EXTERIOR DOORS, AND METAL DOOR JAMBS:

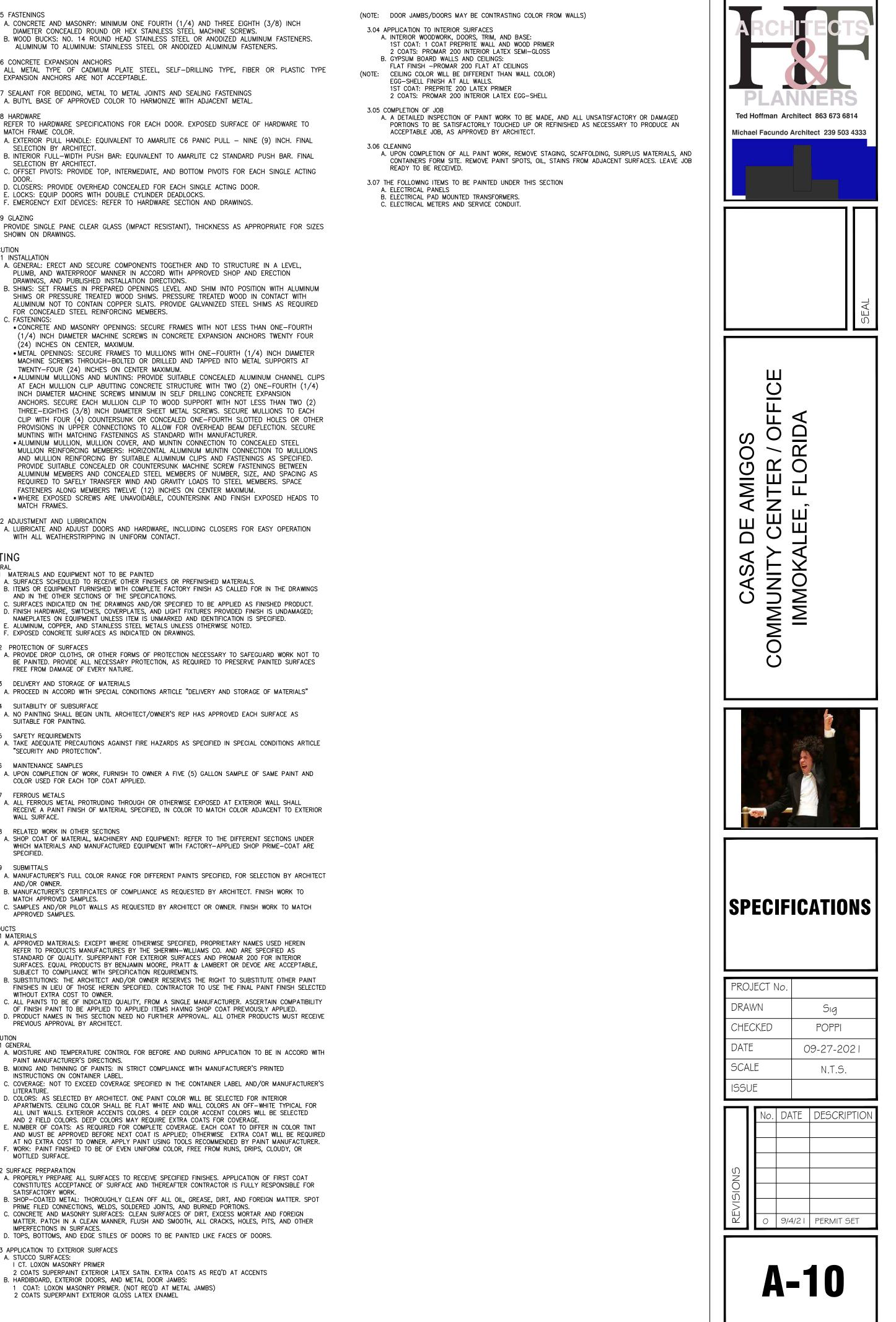
2 COATS SUPERPAINT EXTERIOR GLOSS LATEX ENAMEL

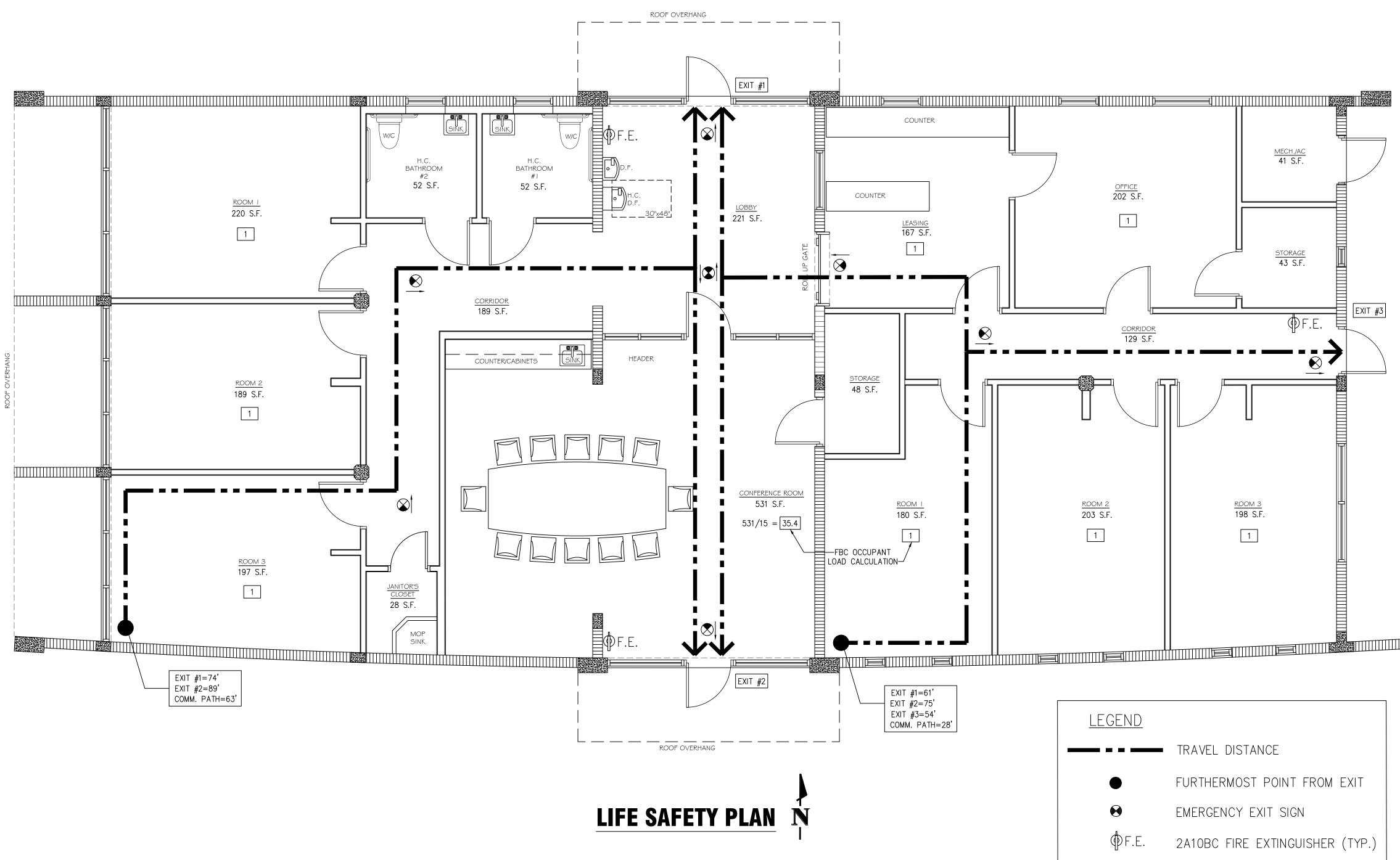
1 COAT: LOXON MASONRY PRIMER. (NOT REQ'D AT METAL JAMBS)

A. STUCCO SURFACES:

- 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

2 COATS SUPERPAINT EXTERIOR LATEX SATIN. EXTRA COATS AS REQ'D AT ACCENTS







### STRUCTURAL NOTES

#### 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 ALLEGED.

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.

#### 1061 DESIGN LOADS:

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 ....

DEAD LOAD ....

.....87 PSF (INCLUDES 3PSF SPRINKLER) DEAD LOAD .... (8" HOLLOW CORE WITH 2" TOPPING) ROOFING .... ..10 PSF

...20 PSF

FLOOR: LIVE LOAD. 100 PSF ..75 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,  $Cpi = \pm 0.18$ 

#### 1071 CONSTRUCTION OBSERVATIONS:

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

- 1. FOUNDATIONS.
- 2. LOW ROOF SLABS
- 3. ROOF SLAB.

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, INC. 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:

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: PRECAST PLANK, LIGHT GAGE FRAMING.

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 RECORD.

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 TITLED: CASA AMIGOS

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

3102 FORMWORK AND SHORING: 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 SPECIFICATIONS.

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  $(1\frac{1}{2})$  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)

USE OF FLYASH. IF APPROVED IN ARCHITECTURAL SPECIFICATIONS, SHALL NOT EXCEED

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE): FOOTINGS: 3" BOTTOM AND SIDES, 2" TOP BEAMS AND COLUMNS:  $1\frac{1}{2}$ " 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 OTHERWISE.

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

20% OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS.

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 UNLESS NOTED OTHERWISE.

MAINTAIN COVER DURING CONCRETE PLACEMENT AND CONSOLIDATE BY INTERNAL VIBRATION.

#### 3304 CONCRETE TESTING: AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON

UNLESS SPECIFIED OTHERWISE.

- 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.

3601	CHEMICAL (ADHESIVE) ANCHORS: SHALL BE AN 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 SPECIFICATIONS.
	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	<b>MASONRY WALLS:</b> 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 THE MONOR S AND MELT ASIM C-270, THESHET THE ARED. GROOT 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 PROHIBITED.
	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 WALLS. THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING, AFTER INSPECTION.
	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.
	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 TESTS:
	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.
	<ul> <li>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:         <ul> <li>1 AT 3 DAYS</li> <li>1 AT 7 DAYS</li> <li>2 AT 28 DAYS</li> </ul> </li> </ul>
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 (8F8-0T/1B). ALL PRECAST LINTELS SHALL BEAR A MINIMUM OF 8" AT EACH END AND BE GROUT FILLED. ALL LINTELS WHICH ABUT A CONCRETE COLUMN SHALL BE CAST IN PLACE.

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 CAPACITY OF EACH INDIVIDUAL STUD.

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.

5111 WELDING: ALL WELDING SHALL CONFORM TO AWS SPECIFICATIONS, LATEST EDITION. WELDING OF STEEL SHALL BE DONE BY WELDERS WHO ARE CURRENTLY CERTIFIED IN ACCORDANCE WITH AWS D1.1.

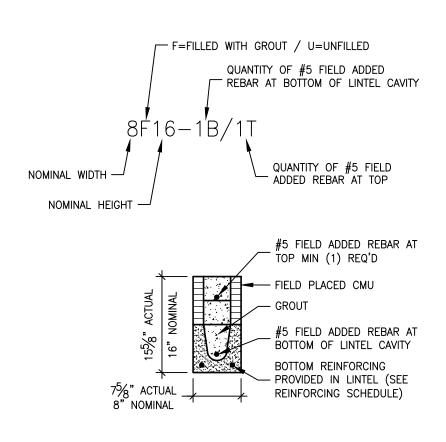
WELDS SHOWN ON STRUCTURAL DRAWINGS ARE MINIMUM DESIGN REQUIREMENTS. THE FABRICATOR'S SHOP DRAWINGS SHALL SHOW WELDS IN ACCORDANCE WITH AISC/AWS REQUIREMENTS.

ALL FULL PENETRATION AND PARTIAL PENETRATION FIELD GROOVE WELDS, ALL BUTT FIELD WELDS, AND TWENTY-FIVE PERCENT OF ALL FIELD FILLET WELDS SHALL BE VERIFIED BY ULTRASONIC TESTING, PER CHAPTER N OF "STEEL CONSTRUCTION MANUAL" BY AISC UNLESS APPROVED OTHERWISE BY THE ENGINEER OF RECORD. ALL SHOP AND FIELD WELDS SHALL BE VISUALLY INSPECTED BY A QUALIFIED INSPECTOR AS DETERMINED BY THE ENGINEER OF RECORD. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

UNLESS NOTED OTHERWISE ON THE DRAWINGS, GROOVE WELDS SHALL BE FULL PENETRATION.

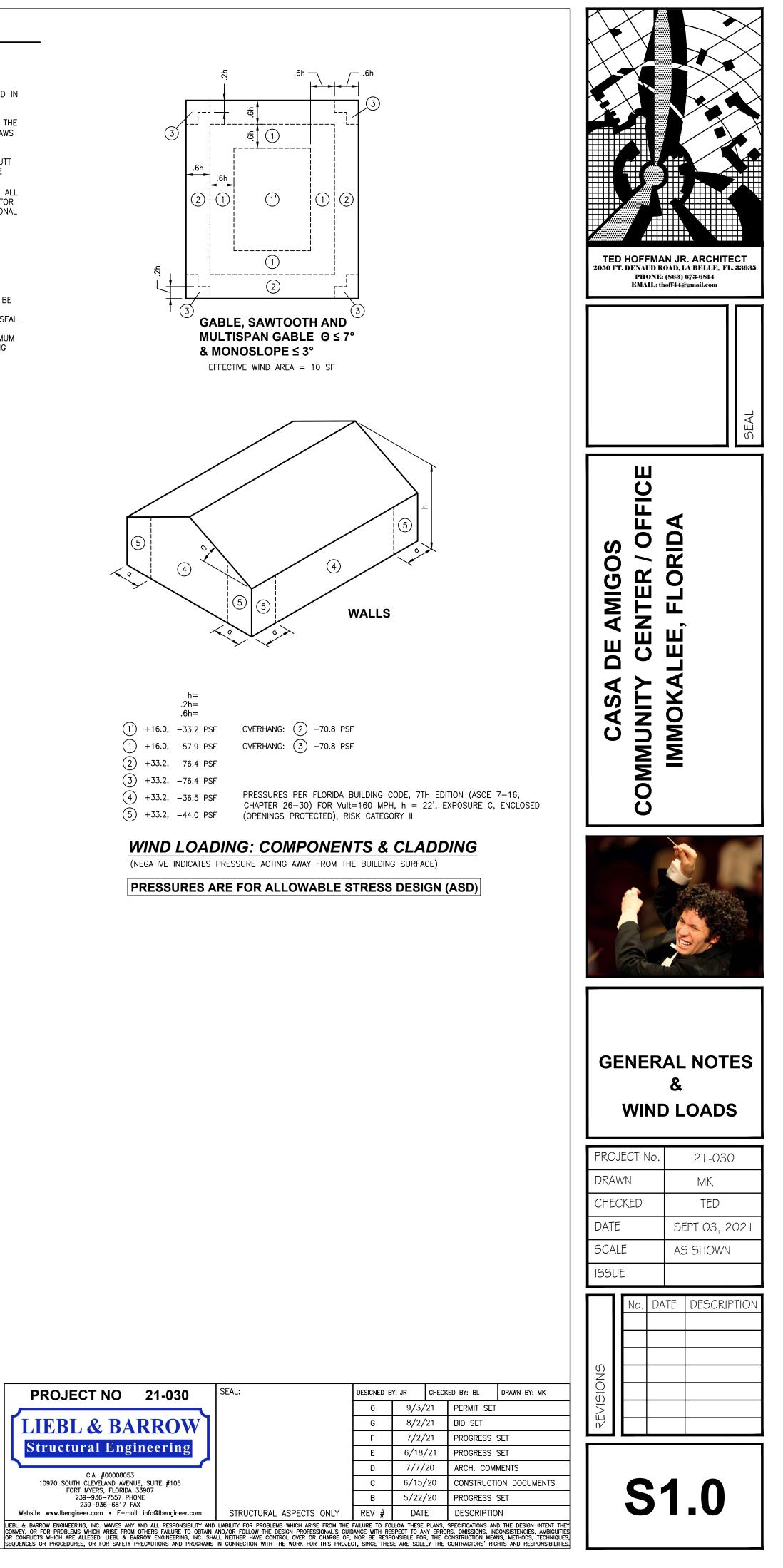
5403 LIGHT GAUGE STEEL FRAMING:

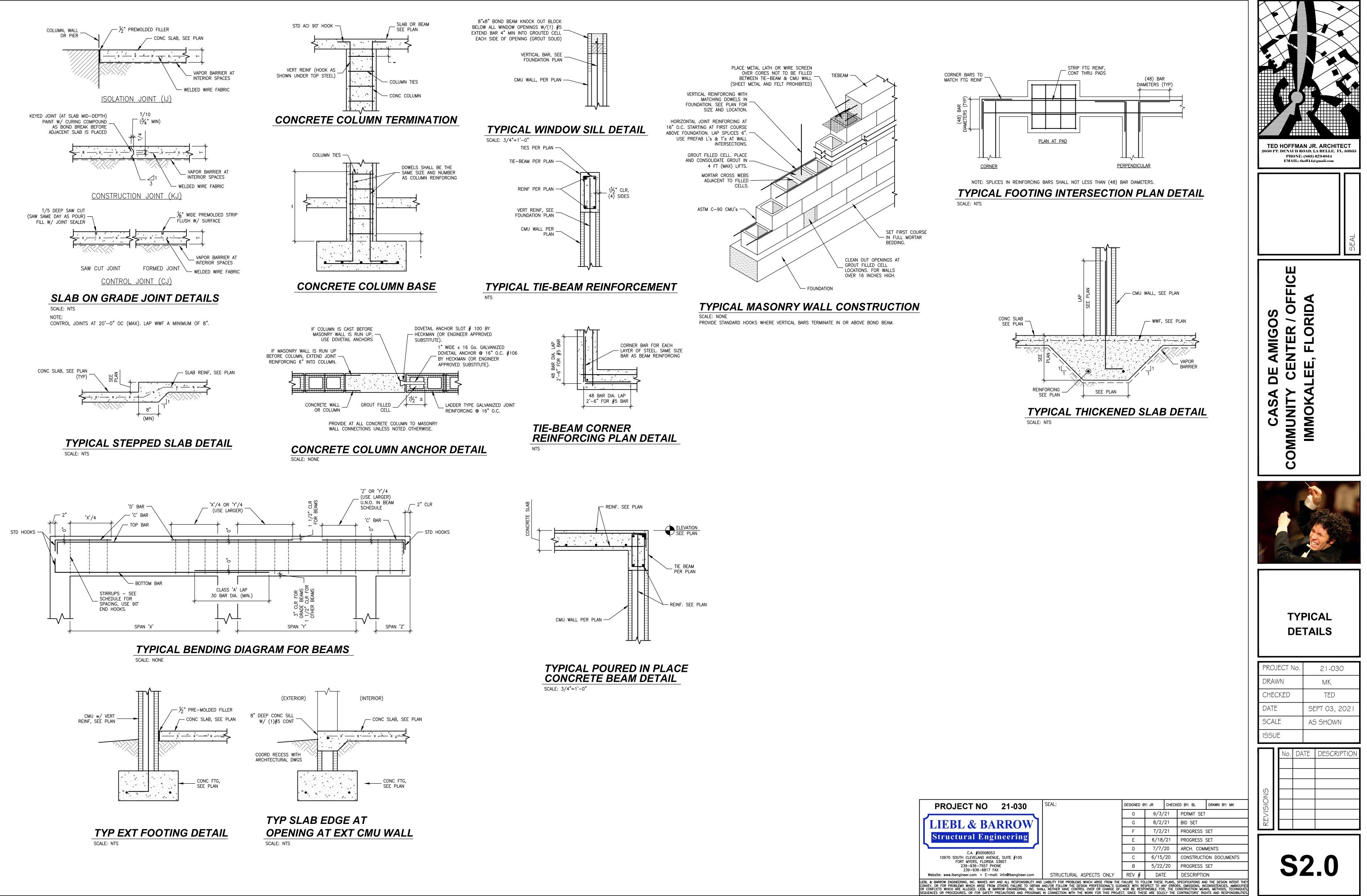
LIGHT GAUGE STEEL FRAMING SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRINCIPLES AND GOVERNING CODES. THE DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. SHOP DRAWING SHALL BE SUBMITTED WHICH BEARS THE SIGNATURE, DATE, AND SEAL OF THE ENGINEER. SHOP DRAWINGS SHALL CLEARLY INDICATE CONNECTIONS AND MATERIALS USED. FRAMING MEMBERS AT WINDOWS AND DOORS SHALL BE A MINIMUM THICKNESS OF 12 GAGE. CONTRACTOR SHALL COORDINATE THICKNESS OF FRAMING WITH WINDOW/DOOR FASTENER REQUIREMENTS.

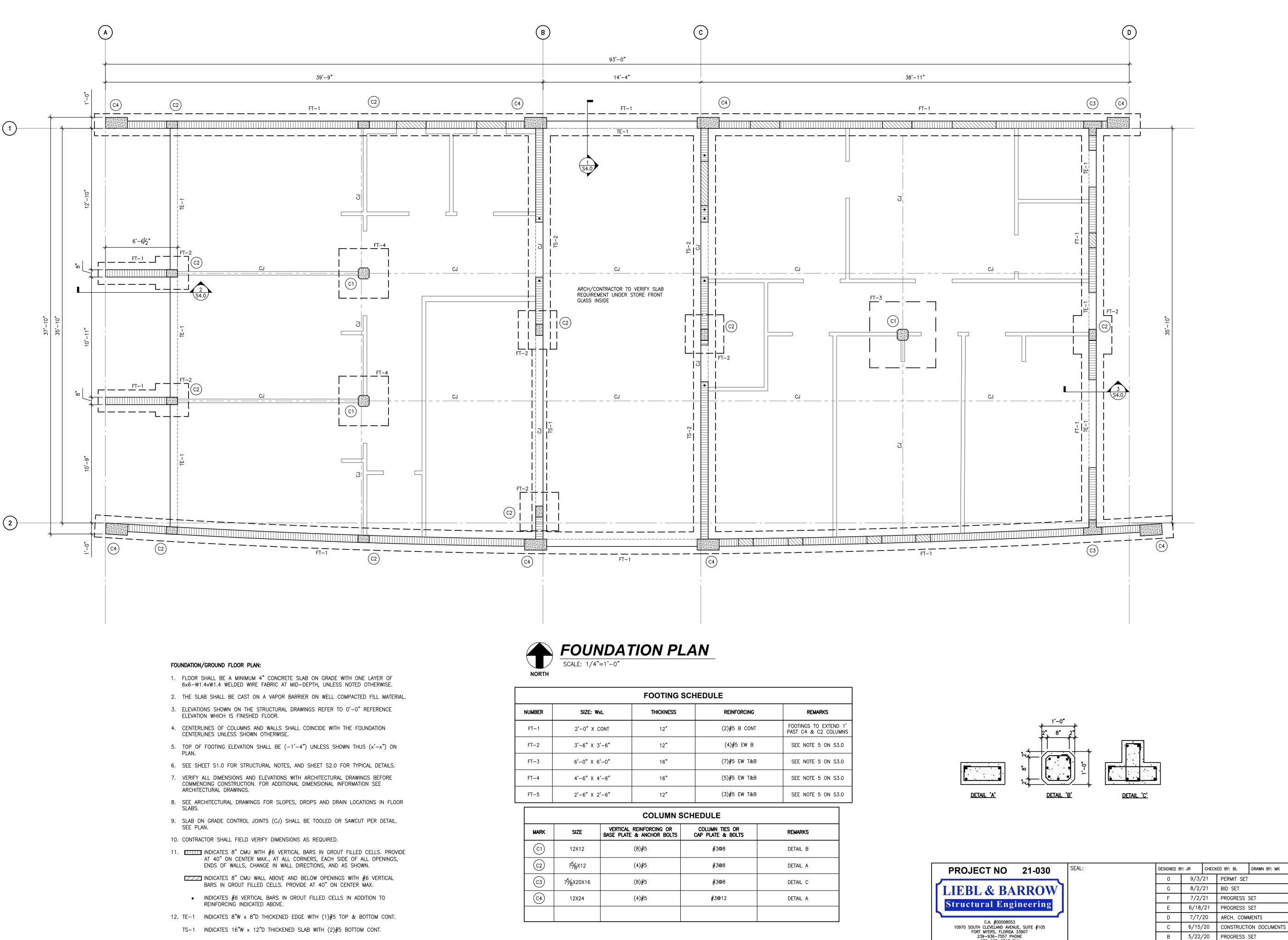


### PRECAST LINTEL BEAM







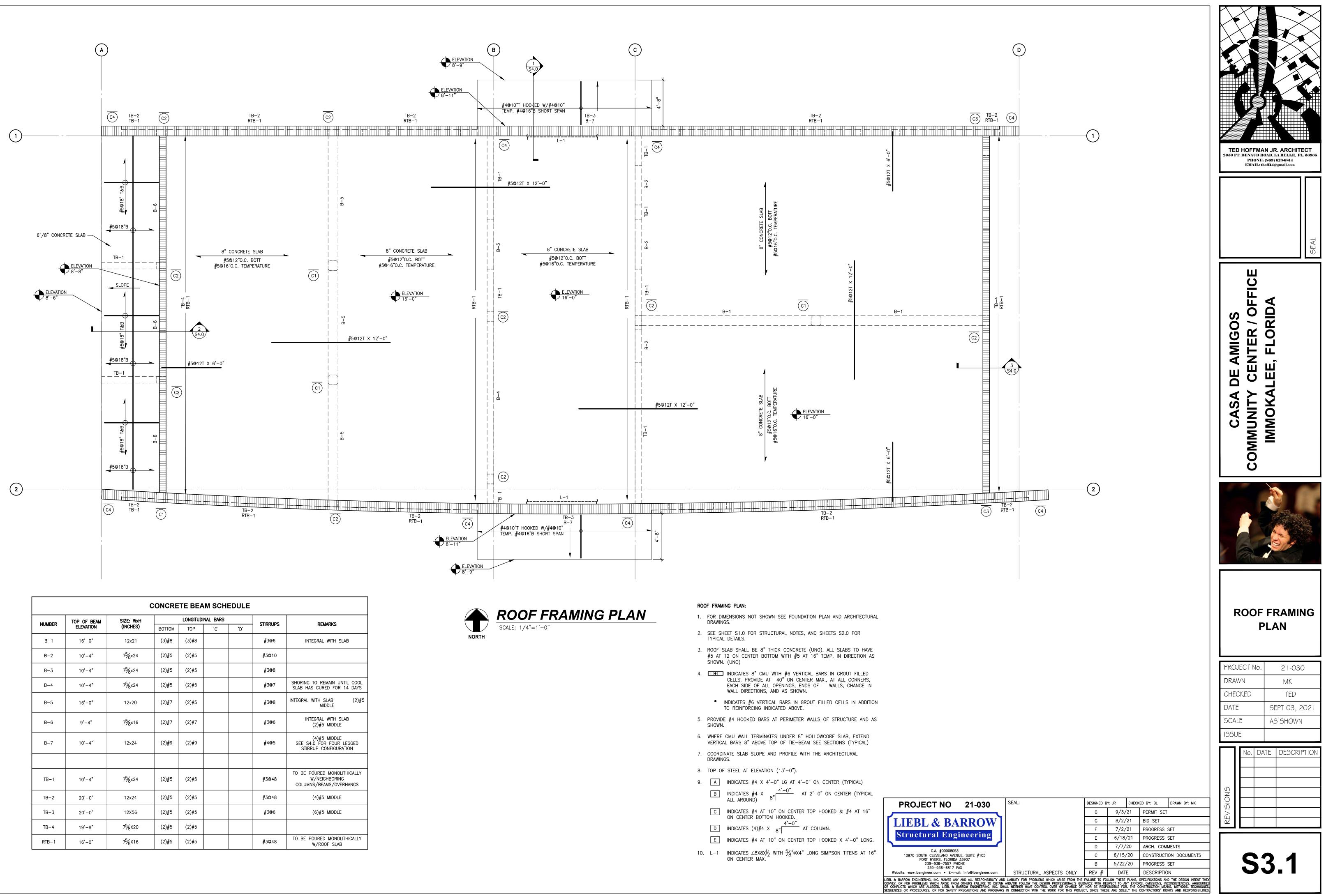


- TS-2 INDICATES 24"W x 12"D THICKENED SLAB WITH (2)#5 BOTTOM CONT.

239-936-6817 FAX

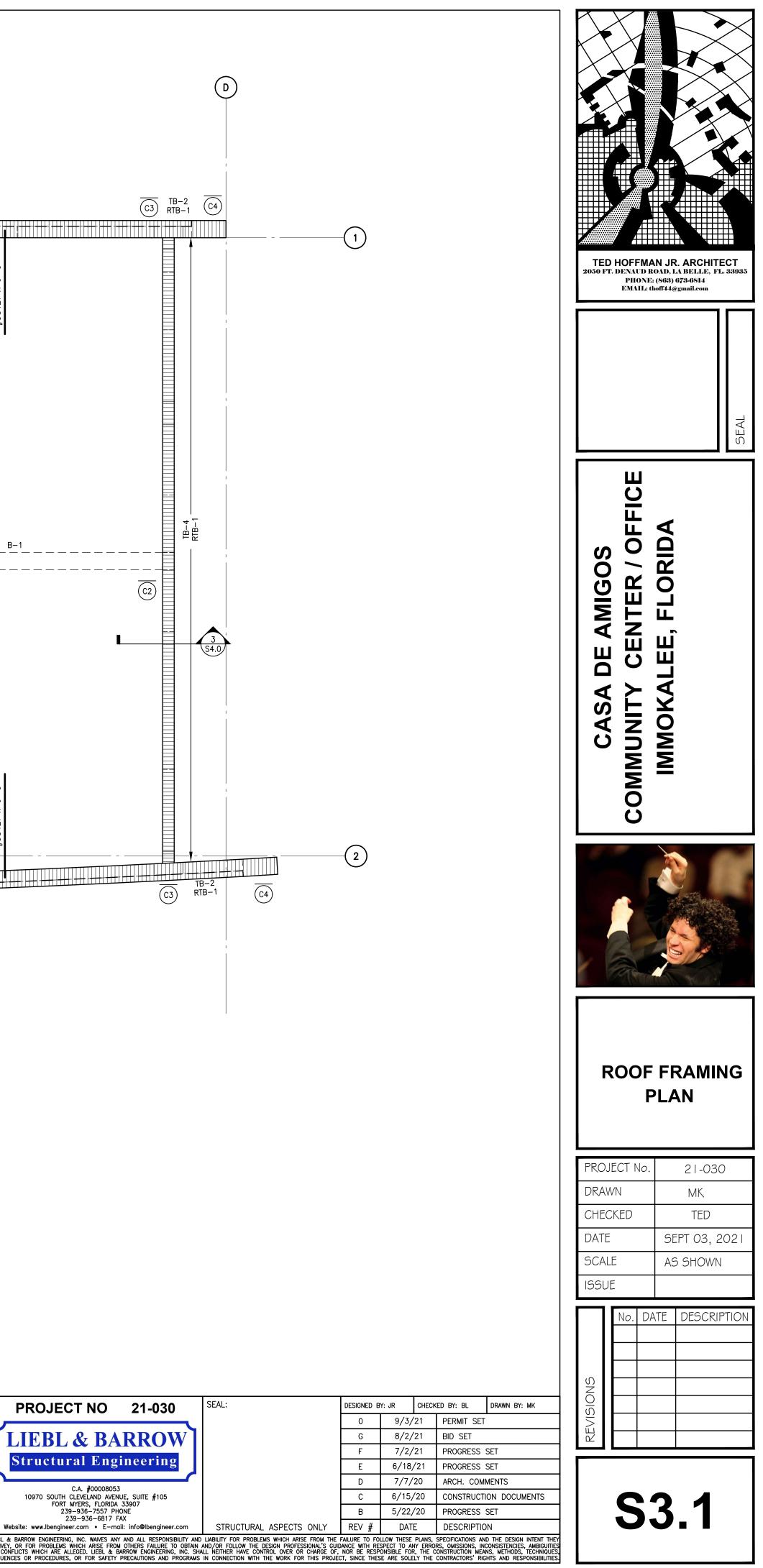


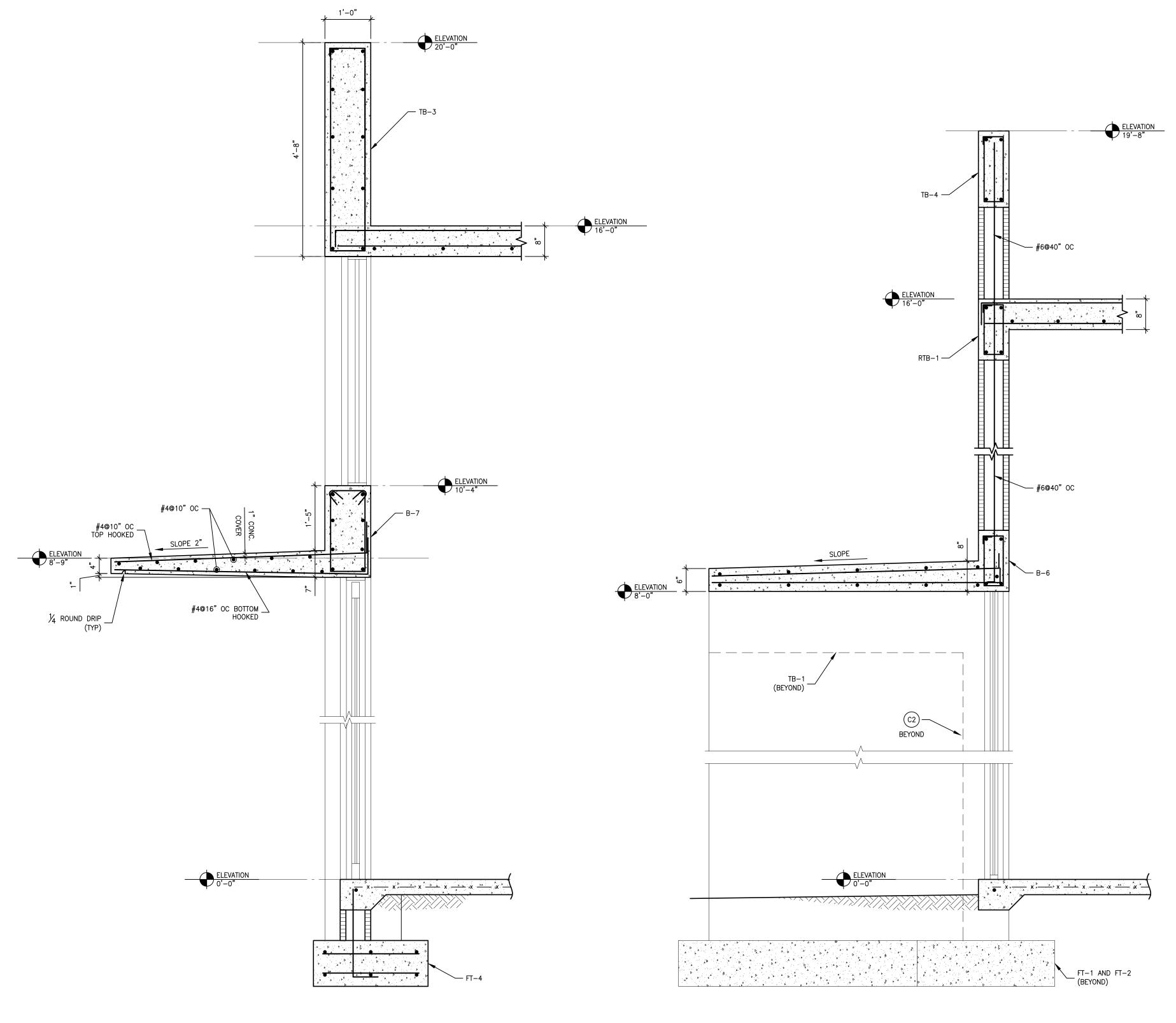
B 5/22/20 PROGRESS SET



	CONCRETE BEAM SCHEDULE								
NUMBER	TOP OF BEAM SIZE: WXH LONGITUDINAL BARS					STIRRUPS			
NUMBER	ELEVATION	(INCHES)	BOTTOM	TOP	°C'	'D'	Slikkups	REMARKS	
B-1	16'-0"	12x21	(3)#8	(3)#8			<b>#</b> 3@6	INTEGRAL WITH SLAB	
B-2	10'-4"	75⁄8×24	(2)#5	(2)#5			#3@10		
B-3	10'-4"	75⁄8×24	(2)#5	(2)#5			#3@8		
B-4	10'-4"	75⁄8×24	(2)#5	(2)#5			#3@7	SHORING TO REMAIN UNTIL COOL SLAB HAS CURED FOR 14 DAYS	
B-5	16'-0"	12x20	(2)#7	(2)#5			#3©8	INTEGRAL WITH SLAB (2)#5 MIDDLE	
B-6	9'-4"	75⁄8×16	(2)#7	(2)#7			#3@6	INTEGRAL WITH SLAB (2)#5 MIDDLE	
B-7	10'-4"	12x24	(2)#9	(2)#9			<b>#</b> 4@5	(4)#5 MIDDLE SEE S4.0 FOR FOUR LEGGED STIRRUP CONFIGURATION	
TB-1	10'-4"	75⁄8×24	(2)#5	(2)#5			#3@48	TO BE POURED MONOLITHICALLY W/NEIGHBORING COLUMNS/BEAMS/OVERHANGS	
TB-2	20'-0"	12x24	(2)#5	(2)#5			#3@48	(4)#5 MIDDLE	
TB-3	20'-0"	12X56	(2)#5	(2)#5			#3@6	(6)#5 MIDDLE	
TB-4	19'–8"	75⁄8×20	(2)#5	(2)#5					
RTB-1	16'-0"	75⁄8×16	(2)#5	(2)#5			#3@48	TO BE POURED MONOLITHICALLY W/ROOF SLAB	



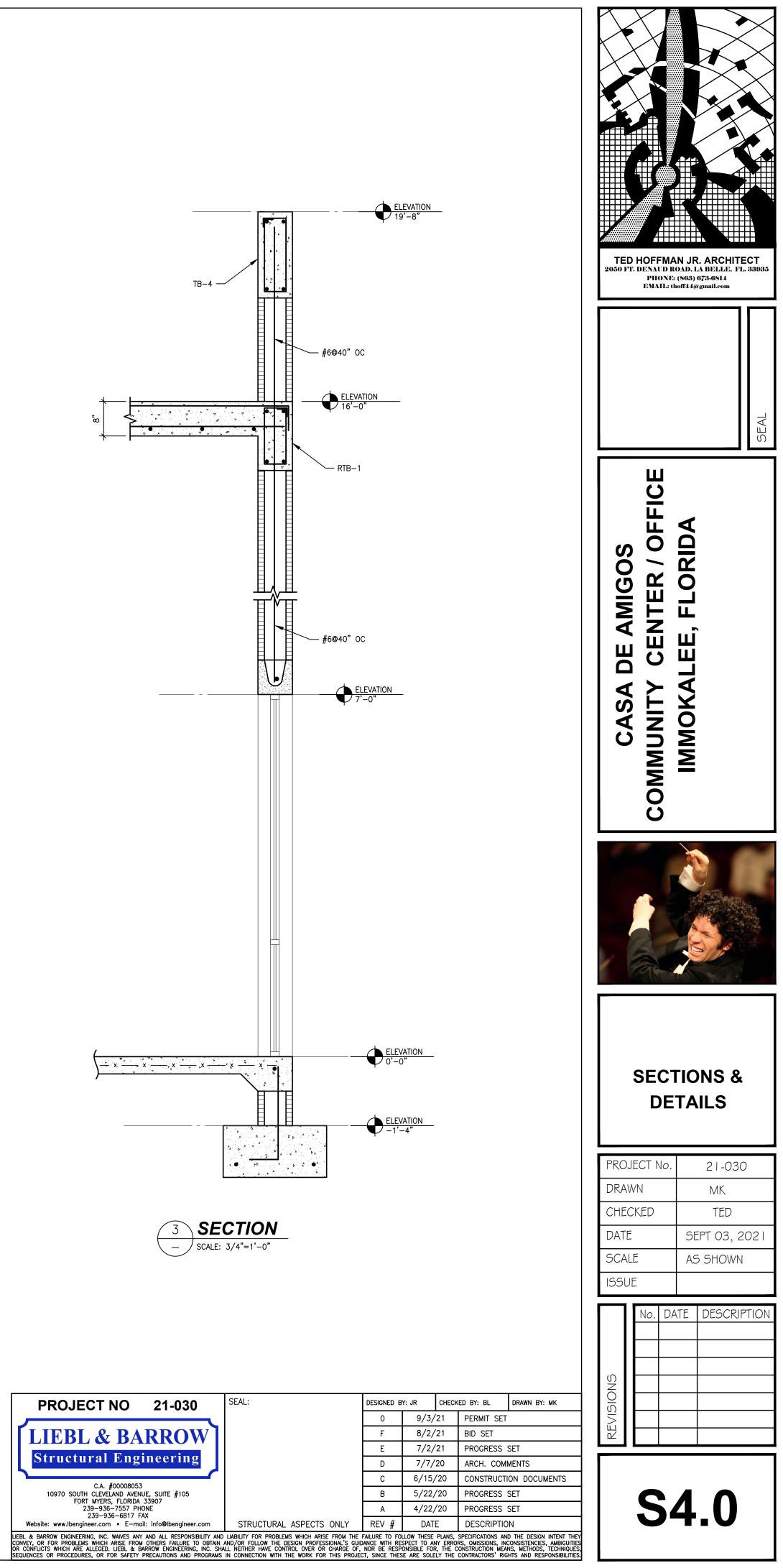




1 SECTION — SCALE: 3/4"=1'-0"







Mark	Service	Mfg.	Model
EF 1	Bath Exhaust	Broan	LP50100DC
L 1	Stationary Louvers - Exterior	Ruskin	EME6325D
G 1	Gravity Exhaust/Intake	Price	PR8
Notes			

1 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

4 Bath fans to be interlocked to lights in each bath.

5 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 Return Run Outs	Snap-lock to within 10' of diffusers with flex duct where shown	2-3/16" .75 PCF External fiberglass duct wrap

1 All sheet metal, rigid, and flexible ductwork shall be constructed and installed per SMAC 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.

AIR CONDITIONING FOUIPMENT SCHEDUIE

							AI	R CONL				EDULE										
	GENERAL				CON	DENSING UI	VIT					AIR	RHANDLER					H	EATER			
Mark	Location Served	Mfg	Mark	Model	Nom Tons	Volts	RLA	MCA M		R Stage	Mark	Model	Total CFM	OA ESP CFM in H <sub>2</sub> O	Volts	FLA	Model	Volts	kW	Amps	MOP	Mounting
										FLOOR 1												
AC 1		Trane	CU 1	4TTR7060	5.0	208/1	32.1	41.0 6	60 16.3	2	AHU 1	TAM9A0C60	1830	0.5	208/1	6.4	BAYEAAC10	208/1	7.2	51.0	60.0	Integral
AC 2		Trane	CU 2	4TTR6030	2.5	208/1	12.8	17.0 2	25 17.0	1	AHU 2	TAM9A0B30	875	0.5	208/1	3.5	BAYEAAC08	208/1	5.8	39.0	40.0	Integral

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 refrigerant pipe shall be supported with Hydra-Zorb Klo-Shure Clamp Series 7 or equal. Non-insulated 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 switch

8 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
7110-2	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

|     |                      |          |                |  |  |  |  |   
   |   
  |   | HVA  
   
   | C Load  | Summ   | ary   |   |  
  |   |   |  |   |  |  |  |
|-----|----------------------|----------|----------------|--|--|--|--
--
---
--
--|---
--
--|---|--|---
---
---|---|---|--|---|--|--|--|
| CFM | ESP                  | Duct     | Sones          | Volts  | Watts  |  |  |   
   | Zone  
  |   | Load   
   
   | Peak  | Outd   | oor Condi   | itions  | Inde   
  | oor Condi   | tions   | Diff   |   | Cooling  |  | Heating  |
| 100 | 0.20                 | 4        | 0.3            | 115  | 7.5  | System   | Zone Description   | Area  
   |   
  |   |  
   
   |   | DB   | W/B   | Grains  | DB   
  | W/B   | Grains  | Grains   | Latent  | Sensible   | Total  | Total  |
| -   | -                    | -        | -              | -  | -  |  |  |   
   | OA  
  | People  | Month  
   
   | Time  | (F°)   | (F°)  |   | (F°)   
  | (F°)  |   |  |   |  |  |  |
| -   | -                    | -        | -              | -  | -  |  |  |   
   | •   
  |   |  
   
   | FLOO  | <u> </u>   |   |   |  
  |   |   |  |   | ()   |  |  |
|     |                      |          |                |  |  | 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 C  | Scheduled Outdoor Conditions are time of peak loads.   |   
   |   
  |   |  
   
   |   |  |   |   | | | | |
  |   |   |  |   |  |  |  |
|     |                      |          |                |  |  | Loads are ca   | Loads are calculated using the CLTD method.  |   
   |   
  |   |  
   
   |   |  |   |   | | | | | | | | | | | | | | | | | | | | |
  |   |   |  |   |  |  |  |
|     | CFM<br>100<br>-<br>- | 100 0.20 | 100 0.20 4<br> | 100         0.20         4         0.3           -         -         -         - | 100         0.20         4         0.3         115           -         -         -         -         - | 100         0.20         4         0.3         115         7.5           -         -         -         -         -         -         - | 100       0.20       4       0.3       115       7.5         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       - | 100         0.20         4         0.3         115         7.5           - <t< td=""><td>100         0.20         4         0.3         115         7.5           -         <t< td=""><td>Image: Normal System         System         Zone Description         Area<br/>(SF)         OA           100         0.20         4         0.3         115         7.5         Area<br/>(SF)         OA           -         -         -         -         -         -         -         Area<br/>(SF)         OA           -</td><td>Inclusion         Inclusion         <t< td=""><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>CFM         ESP         Duct         Sones         Volts         Watts           100         0.20         4         0.3         115         7.5           <math>   -</math></td><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>Index<th< td=""><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Wats         100       0.20       4       0.3       115       7.5         -</td><td>CFM         ESP         Duct         Sone         Voits         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         Some         Volts         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         ESP         Duct         Some         Voits         Wates           100         0.20         4         0.3         115         7.5</td><td>CFM         Some         Voits         Voits</td></th<></td></t<></td></t<></td></t<> | 100         0.20         4         0.3         115         7.5           - <t< td=""><td>Image: Normal System         System         Zone Description         Area<br/>(SF)         OA           100         0.20         4         0.3         115         7.5         Area<br/>(SF)         OA           -         -         -         -         -         -         -         Area<br/>(SF)         OA           -</td><td>Inclusion         Inclusion         <t< td=""><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>CFM         ESP         Duct         Sones         Volts         Watts           100         0.20         4         0.3         115         7.5           <math>   -</math></td><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>Index<th< td=""><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Wats         100       0.20       4       0.3       115       7.5         -</td><td>CFM         ESP         Duct         Sone         Voits         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         Some         Volts         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         ESP         Duct         Some         Voits         Wates           100         0.20         4         0.3         115         7.5</td><td>CFM         Some         Voits         Voits</td></th<></td></t<></td></t<> | Image: Normal System         System         Zone Description         Area<br>(SF)         OA           100         0.20         4         0.3         115         7.5         Area<br>(SF)         OA           -         -         -         -         -         -         -         Area<br>(SF)         OA           - | Inclusion         Inclusion <t< td=""><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>CFM         ESP         Duct         Sones         Volts         Watts           100         0.20         4         0.3         115         7.5           <math>   -</math></td><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>Index<th< td=""><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Wats         100       0.20       4       0.3       115       7.5         -</td><td>CFM         ESP         Duct         Sone         Voits         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         Some         Volts         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         ESP         Duct         Some         Voits         Wates           100         0.20         4         0.3         115         7.5</td><td>CFM         Some         Voits         Voits</td></th<></td></t<> | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | CFM         ESP         Duct         Sones         Volts         Watts           100         0.20         4         0.3         115         7.5 $   -$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | Index <th< td=""><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         -</td><td>CFM       ESP       Duct       Sones       Volts       Wats         100       0.20       4       0.3       115       7.5         -</td><td>CFM         ESP         Duct         Sone         Voits         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         Some         Volts         Wats           100         0.20         4         0.3         115         7.5           -</td><td>CFM         ESP         Duct         Some         Voits         Wates           100         0.20         4         0.3         115         7.5</td><td>CFM         Some         Voits         Voits</td></th<> | CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         - | CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         - | CFM       ESP       Duct       Sones       Volts       Watts         100       0.20       4       0.3       115       7.5         - | CFM       ESP       Duct       Sones       Volts       Wats         100       0.20       4       0.3       115       7.5         - | CFM         ESP         Duct         Sone         Voits         Wats           100         0.20         4         0.3         115         7.5           - | CFM         Some         Volts         Wats           100         0.20         4         0.3         115         7.5           - | CFM         ESP         Duct         Some         Voits         Wates           100         0.20         4         0.3         115         7.5 | CFM         Some         Voits         Voits |

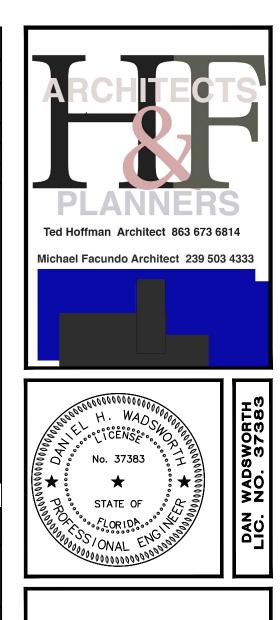
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		AIR	DISTF	RIBUTION S	CHEDULE
Tag	Area Served	Туре	MFG	Model	Notes
CC	Grid Ceilings	Lay In Supply - Airflow Patern Per Plan	Price	AMD	Aluminum Construction Lay-in panel White Finish 1 Way Throw Supply Diffuser, Core Size Per Plan
SW	Sidewall Grill	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

1 All air distribution shall be aluminum with white finish unless otherwise noted.

- 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.



E AMIGOS BUILDING E, FLORID/ ШО -EASING Ш MMOKAL CASA 



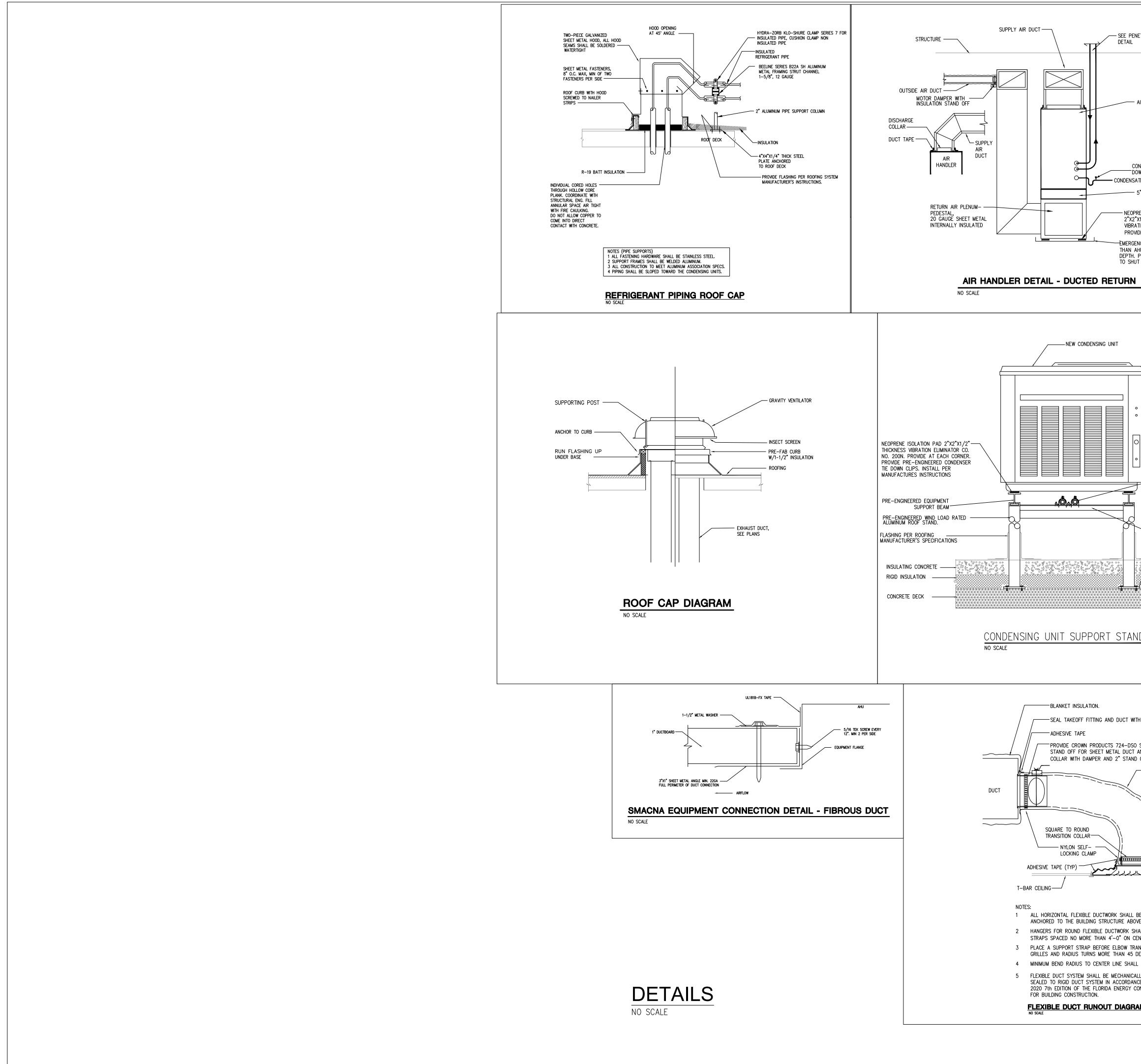
2 Linear Grills may require field fabricated plenums. Minimum depth for field fabricated plenums is 18". Evenly distribute airflow with flexible duct connection every 18" if field fabricated plenum is used. 3 Linear Plenums may be constructed of 1-1/2" duct board in leu of Sheetmetal plenums. Sheet metal plenums shall be insulated with 1" closed cell insulation equal to AP Armaflex Sheet.

20-105	HVAC SHEET INDEX	
Sheet No.	Sheet Title	Scale
M0.01 M0.02 M1.00 M2.00	Schedules Details First Floor Plan Roof Plan	No Scale No Scale 1/4''=1'-0'' 1/4''=1'-0''

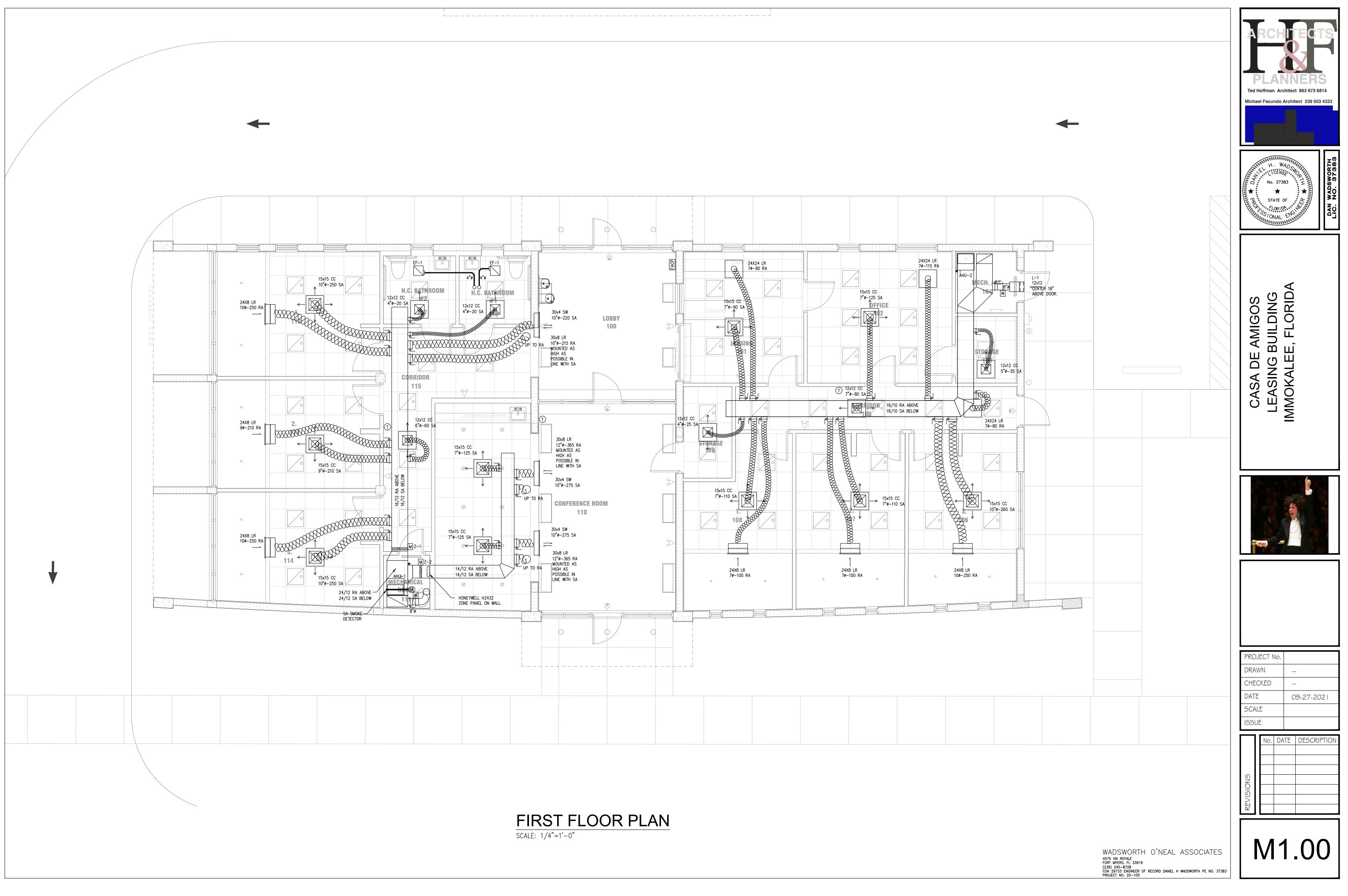
PROJECT No. DRAWN CHECKED DATE 09-27-2021 SCALE ISSUE

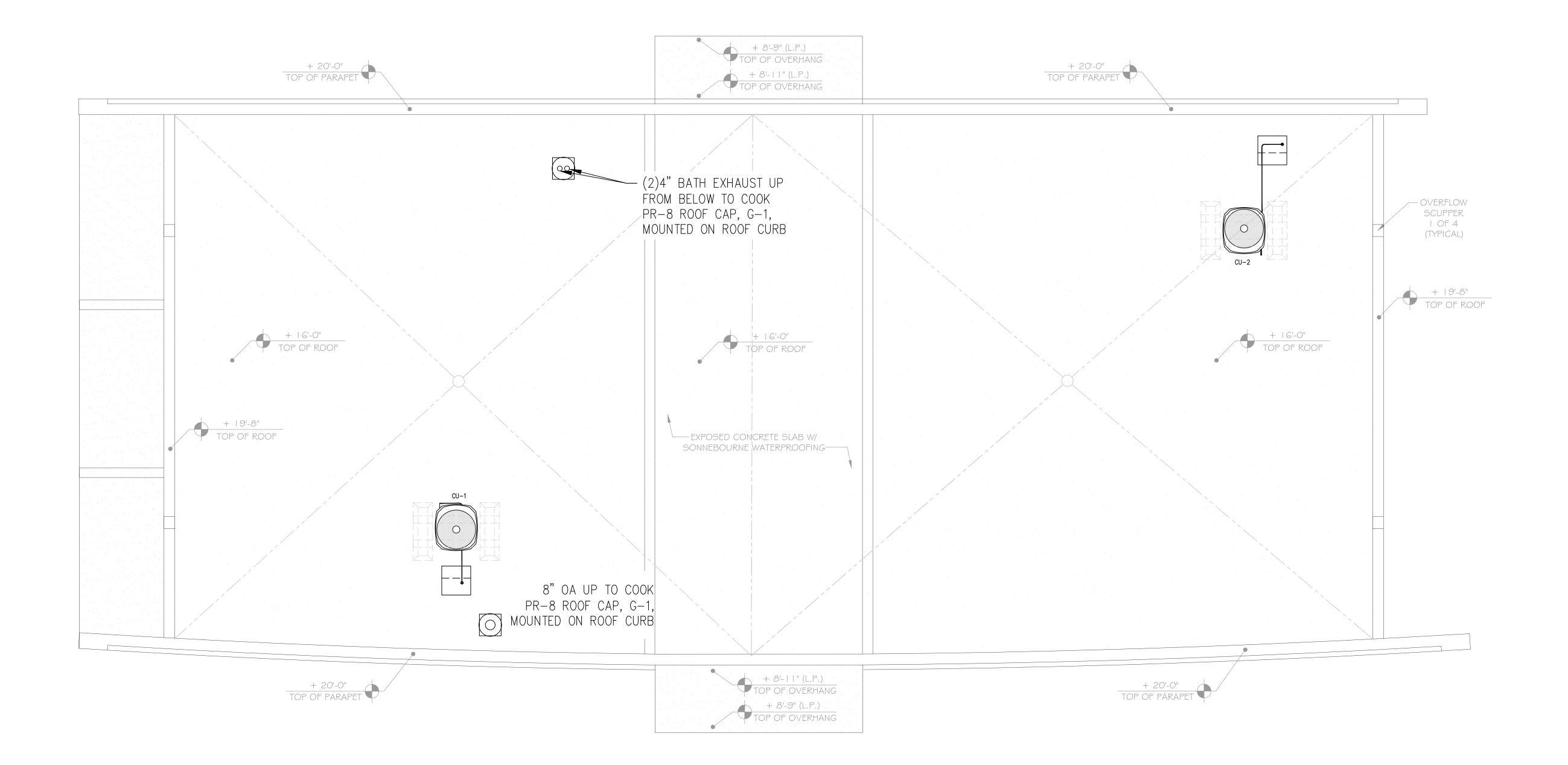
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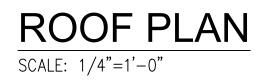
M0.01



	HVAC SY	<b>MBOLS</b>	
E PENETRATION TAIL	DESCRIPTION DIFFUSER TAG	SYMBOL S1-8X4 - TYPE-NECK SIZE (Inches) 4"ø-30 - FLEX SIZE-FLOW (CFM)	ARCHITECTS
	DUCT INSIDE WIDTH X DEPTH SQUARE, RECTANGULAR OR ROUND SEE DUCT MATERIAL SCHEDULE ON SHEET M0.10	$\frac{4^{\circ}6-30}{12/6}$	
AIR HANDLER UNIT	RIGID ROUND METAL DUCT GALVANIZED STEEL SNAPLOCK DUCT FLEXIBLE ROUND DUCT WITH FIBERGLASS INSULATION	4"ø	PLANNERS Ted Hoffman Architect 863 673 6814 Michael Facundo Architect 239 503 4333
	RECTANGULAR ELBOW WITH RADIUS THROAT, AND RADIUS HEEL.	R=1.0*W	
CONNECT SWITCH TO SHUT — DOWN SYSTEM ON OVERFLOW DENSATE DRAIN — 5" MEDIA FILTER	RECTANGULAR ELBOW WITH SQUARE THROAT, RADIUS HEEL, AND GUIDE VANES	₩ <u></u> R=1.0*₩	HES H. WAD Show H. WAD SHOW
NEOPRENE ISOLATION PAD 2"X2"X1/2" THICKNESS VIBRATION ELIMINATOR CO. 200N PROVIDE IN 4 LOCATIONS	3-PIECE ELBOW	1/2W	HECKE H. WAO H. WAO STATE OF H. WAO STATE OF HECKE
MERGENCY DRAIN PAN, PAN SHALL BE 4" LARGER HAN AHU'S LENGTH AND WIDTH, WITH A 1-1/2" MIN. EPTH. PROVIDE FLOAT SWITCH IN EMERGENCY PAN O SHUT SYSTEM DOWN IF PAN FILLS WITH WATER.	ONE-SIDED DUCT TRANSITION: $\Theta^{*}MAX. = 30^{*}$	€°	No. 37383 No. 37383 THE OF DR GRANNER NO. 37383 THE OF DR GRANNER NO. 37383 THE OF DR GRANNER NO. 37383 THE OF DR GRANNER NO. 37383 THE OF DR GRANNER DR GR GRANNER DR GR GRANNER DR GR GRANNER
IRN	TWO-SIDED DUCT TRANSITION: O*MAX. = 22.5* DIVERGING AND 30* CONVERGING	0°	
	CLOSE DIFFUSER TAKE-OFF (SEE DIAGRAM)		∢
	BRANCH DUCT TAKE-OFF WITH SPLITTER DAMPER (SEE DIAGRAM)	SD T	E AMIGOS BUILDING EE, FLORID,
0   0	DUCT TURN (DOWNWARD) TURN MADE WITH A SMOOTH RADIUS ELBOW		E AM BUII E, FI
	DUCT TURN (UPWARD) TURN MADE WITH A SMOOTH RADIUS ELBOW		NG E ALEE
	IN-LINE VOLUME DAMPER		CASA DE LEASING IMMOKALEI
AND CONTROL WIRING. SECURE TO CHANNEL WITH KLO-SHURE 7-SERIES PIPE CLAMP.	SMOKE DAMPER	SD	
	DYNAMIC FIRE DAMPER	FD	
FRAMING STRUT CHANNEL 1–5/8", 12 GAUGE	COMBINATION SMOKE/FIRE DAMPER	S/FD	
TO SLAB PER MANUFACTURES INSTRUCTIONS.	FLEXIBLE CONNECTION (DUCTWORK)		
	DIVERGING WYE	R=1.0*W	
TAND	AIRFLOW DIRECTION ARROW		
		(1)	
	EQUIPMENT LABEL TEMPERATURE DEVICE / REMOTE SENSOR	T-X/S-X	
CT WITH MASTIC	SMOKE DETECTOR	(SD)	
4-DSO SPIN IN COLLAR, WITH DAMPER AND 2" DUCT AND CROWN PRODUCTS 616-DSO TAB STAND OFF FOR DUCTBOARD DUCT OR EQUAL.	EXISTING DUCT INSIDE WIDTH X DEPTH SQUARE, RECTANGULAR OR ROUND SEE DUCT MATERIAL	12/6	
			PROJECT No.
			DRAWN
OVER ENTIRE SURFACE OF AIR DISTRIBUTION DEVICE.			CHECKED DATE 09-27-2021
			DATE 09-27-2021 SCALE
1			ISSUE
AIR DISTRIBUTION DEVICE			No. DATE DESCRIPTION
HALL BE SECURELY E ABOVE THE CEILING. RK SHALL BE FABRIC			
ON CENTER. DW TRANSITIONS INTO AIR			SNC
N 45 DEGREES. SHALL BE ONE DIAMETER. IANICALLY ATTACHED AND DRDANCE WITH THE			REVISION
RGY CONSERVATION CODE			
	4575 VIA ROYALE FORT MYERS, FL 33919 (239) 245-8728 COA 29733 ENGINEER OF	O'NEAL ASSOCIATES	M0.02
	PROJECT NO. 20-105		









IYPE	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	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 S
UL2	36" Asymmetrical Uplight	120	Wall J-Box	LED	120	19300	0-10V	3500K		alight	ANGWC4 SEH1 INT 36LONG AL1A4 35K MVOLT CA S
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

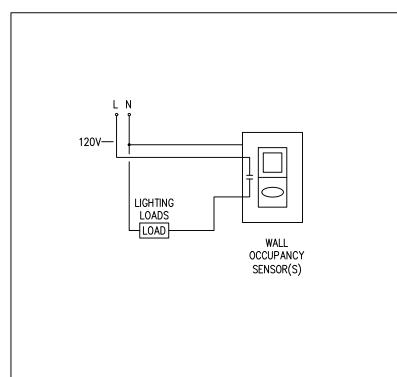
2. Coordinate location of wall/mural flood lights with owner prior to installation; fixtures should be positioned to minimize interference with landscape maintenance activities, and pedestrians; contractor to provide a suitable mounting base for selected mounting options

3. Finishes to be approved by architect/owner prior to release of order

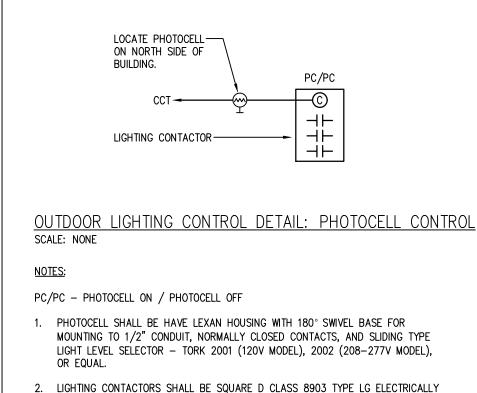
			_	-			NDUIT SC								_		
				ase, 4 Wire		_	1 Phase, 3 Wire			1 Phase, 2 W		and '					
esignation	Parallel Runs	Conduc (AWG/k		Ground AWG/kcmi	Conduit	Conductors (AWG/kcmil	Ground (AWG/kcmil)	Conduit	Conductors (AWG/kcmil			onduit					
2 -20	1	4 # 12	`	1 # 12	3/4"	3 # 12	1 # 12	3/4"	2 # 12	1 # 12	,	3/4"					JCTOR TYPE: A - ALUMINUM
	1	4 # 10	)	1 # 10	3/4"	3 # 10	1 # 10	3/4"	2 # 10	1 # 10		3/4"					C – COPPER
40	1	4 # 8		1 # 10	1"	3 # 8	1 # 10	3/4"	2 # 8	1 # 10		3/4"					
60	1	4#6		1 # 10	1"	3#6	1 # 10	1"	2#6	1 # 10		3/4"					ER OF CONDUCTORS:
70	1	4#4		1 # 8	1-1/2"	3 # 4	1#8	1-1/2"	2#4	1 # 8		1"					2 – 1 PHASE, 2 WIRE 3 – 1 OR 3 PHASE, 3
90 100	1	4#3 4#2		1 # 8 1 # 8	1-1/2"	3#3 3#2	1#8	1-1/2" 1-1/2"	2#3 2#2	1 # 8		1" 1"					4 - 3 PHASE, 4 WIRE
100 110	1	4#2		1#6	1-1/2"	3#2	1#6	1-1/2"	2#2	1#0		ı 1-1/2"					
	1	4 # 1/	0	1#6	2"	3 # 1/0	1#6	1-1/2"	2 # 1/0	1#6		1-1/2"				FEEDE	R DESIGNATION
	1	4 # 2/	0	1#6	2"	3 # 2/0	1#6	2"	2 # 2/0	1 # 6		1-1/2"				A3-200	
-200	1	4 # 3/	0	1#6	2"	3 # 3/0	1#6	2"	2 # 3/0	1#6		1-1/2"				10 200	
-225	1	4 # 4/		1 # 4	3"	3 # 4/0	1 # 4	2"	-	-		-					
250	1	4 # 25		1#4	3"	3 # 250	1 # 4	3"	-			-				WIRE AND COND	UIT SCHEDULE
300 400	1	4 # 35 4 # 50		1 # 4	3" 3-1/2"	3 # 350 3 # 500	1 # 4	3" 3"	-			-					
400 500	2	4 # 30		1#3	3-1/2	3 # 300	1#3	3"	-	-		-					
600	2	4 # 35		1#1	3"	3 # 350	1#1	3"	-	-		-					
		208, 3-	$\sim$			ncreased due to										7	
			PII) _CificuitÉ		Wire and	FA Load			Load (VA)		Vire and	Circuit	t Break	are		_	
De	escription	_		s Options	Conduit	A E	. ,	A	Load (VA)		vire and Conduit	Options			Description	#	
Conferen		Rcpts 2	20 1		C2-20	900			00		2-20		1		ConfLighting	2	
Conferen			20 1		C2-20	1		В	300		2-20		1		Lobby/RR/Corr Lts	4	
Office 106 103,104,1			20 1 20 1		C2-20 C2-20	300		C 5	00		2-20 22-20		1		Staff/Lease Lights Office Lights	6 8	
Exterior R			20 1		C2-20	300		A 5	500		2-20	PC/PC	1		Exterior Lighting	10	
Reception	-		20 1		C2-20		720	с		1,000 C	03-20		2		EWH	12	
Office 1 R			20 1		C2-20	900		A 1,0							-	14	
Office 2 R Office 3 R	-		20 1 20 1		C2-20 C2-20		900 900	B	360	3,852 C	2-20		1		Roof Mech Rcpt CU-1	16 18	
Lobby/Lea	•		20 1		C2-20	1,620		A 3,8	52	5,002 C	55-00		2	00	-	20	
Office 102	• •	1	20 1		C2-20		,080	В	4,368		23-60		2	60	AHU-1	22	
CU-2			25 2		C3-30	1,536		C A		4,368					-	24 26	
- AHU-2			10 2		C3-40			B					+		Space Space	28	
-							3,320	С		-					Space	30	
Office 108 Office 107			20 1 20 1		C2-20 C2-20	900		A B	-						Space	32 34	
Office 107	•		20 1		C2-20		900 900		-	-			+	$\sim$	Space	36	
Space	•					-		A	-				3	30	SPD	38)	
Space								В	-						-	40	
Space							-	С		-				~		42	
Load Des Lighting:				Load (VA) 2,990	1.25	Load (VA) 3,738	Connected Phase A: Phase B:	12,0 13,3	08 /   \( 48	Mains: 20	08Y/120 00AMCE	$\sim$		AFCI GFCI	Breaker Options Arc Fault Circuit Interrupte GFCI-Personnel (4-6 mA)		
Receptac Receptac				10,000 1,700	1.00 0.50	10,000 850	Phase C: Total (VA):	17,4 42,8		Rating: Solution		for SCA 200A	_	GF-E GFP	GFCI-Equipment (30 mA) Ground Fault Protection		
Motors:		-		2,376	1.00	2,376	··· 7	,-		Mounting:		Flush	_	ST	Shunt Trip		
Largest M				1,536	0.25	384	D			Enclosure Ty		NEMA 1	_		CB Lock in Closed Position	n	
Air Condit Heat Purr	-			10,776 -	- 1.00	-	Panel Servio Fed From:			Is olated Grou Sub-feed Lug		No No	_		CB Lock in Open Position Timeclock On/Timeclock O	off	
Electric S	•	ating:		13,000	1.00	13,000	Feeder:			Feed-thru Lu	•	No	_		Photocell On/Timeclock O		
Kitchen:				-	1.00	-	-						_	PC/PC	Photocell On/Photocell Of		
Elevators Continuo				-	1.00 1.25	-	Notes:							Seal	ire and Conduit Schedule		
Non-conti				- 2,000	1.25 1.00	- 2,000									e and Conduit Schedule		
Totals (V/				42,842		32,348											
Total (A):						90											
$\sim$	$\frown$	$\sim$	$\sim$	SEI			PMENT A			FAULT				$\frown$	~~~~~	$\sim$	
Sonia		mont	1/04-		E	stimated	Conduc	tor	Conductor	Fault					Commonte	<	
Service Panel H2			Volta 120/2			der Length 305'	(1) Set #		Material AL	Current (# 4,27		Date 0/9/2020			Comments LCEC 300KVA XFR		
				I						1							
es																	

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 equipment terminals.

 $\label{eq:linear}$ 



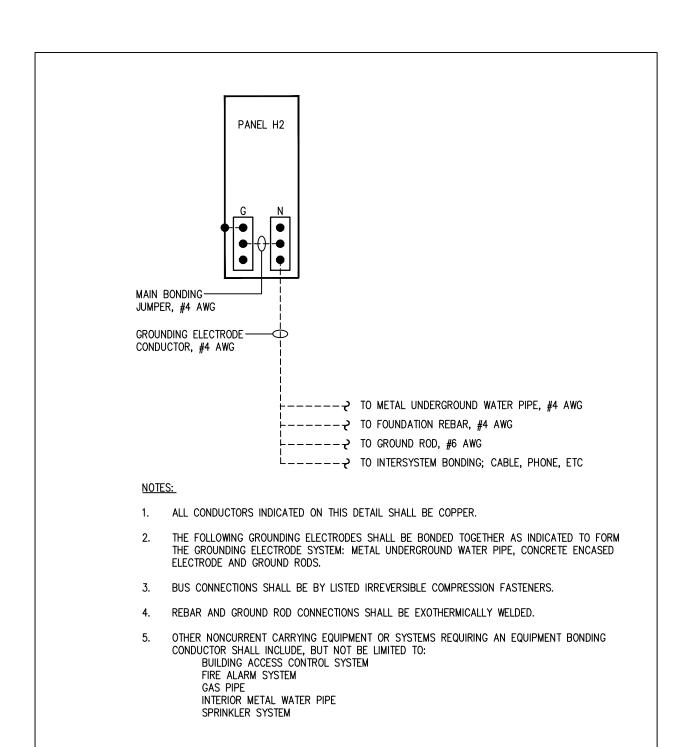
# WALL OCCUPANCY SENSOR



2. LIGHTING CONTACTORS SHALL BE SQUARE D CLASS 8903 TYPE LG ELECTRICALLY HELD CONTACTOR OR EQUAL. LOCATE IN A NEMA 1 ENCLOSURE NEAR PANEL WHERE LIGHTING CIRCUITS ORIGINATE. CONTACTORS SHALL CONTROL CIRCUITS AS INDICATED IN PANEL SCHEDULE(S). PROVIDE EACH CONTACTOR WITH QUANTITY OF POLES REQUIRED TO CONTROL THE CIRCUITS INDICATED IN PANEL SCHEDULE(S) ALONG WITH (2) SPARE POLES.

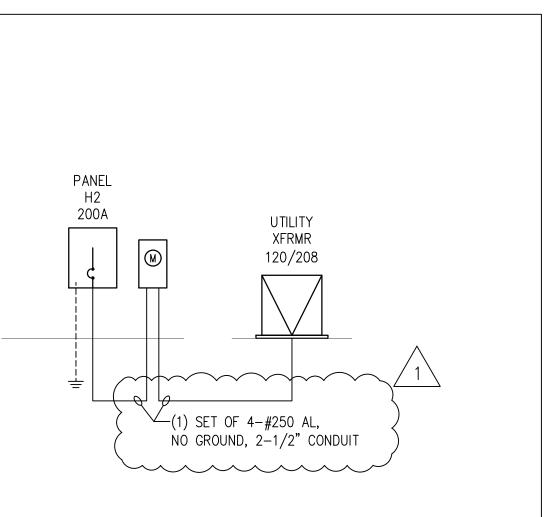
			ELECTRICAL SYMBOLS		
Symbol	Description	Symbol	Description	Symbol	Description
	Surface mounted lighting fixture - ceiling	фа-1	Duplex receptacle - 125V	Ψ	Media outlet — wall
$\square \circ$	Recessed mounted lighting fixture - ceiling		Panel and circuit number indicated C = Recessed clock hanger type		Voice outlet - wall
	Recessed mounted wall wash lighting fixture — ceiling		DL = Damp location cover IG = Isolated ground		W = Wall phone at 54" AFF Voice/Data outlet - wall
$\diamond$			L/R = Rooftop light and receptacle	V	
⊊ Ŷ	Surface mounted lighting fixture — wall		T = Tamper resistant WL = Wet location cover	$\nabla$	Data outlet — wall
Q	Recessed mounted lighting fixture - wall	\$	Duplex receptacle — 125V Installed 8" above counter, or 48" AFF if no counter	((( <b>p</b> )))	Wireless access point — ceiling W = Wall
⊢	Fluorescent strip lighting fixture	<b>(</b>	Duplex receptacle split wired — 125V Bottom receptacle switched		Structured media center
0	Pendant mounted lighting fixture	ф	GFCI Duplex receptacle — 125V	Ē	Chime – wall
	Track lighting fixture	ф	GFCI Duplex receptacle — 125V Installed 8" above counter, or 48" AFF if no counter		Pushbutton — wall
• 0	Surface mounted lighting fixture — ceiling	\$	Quadruplex receptacle – 125V	<u> </u>	Intercom — wall
	Shading indicates emergency fixture Recessed mounted lighting fixture — ceiling		Quadruplex receptacle — 125V		Telephone entry – wall
Ø	Shading indicates emergency fixture	*	Installed 8" above counter, or 48" AFF if no counter	ᄪ	C = Camera
1©1	Exit sign — ceiling mounted Faces and arrows as shown on plans	φ	Single receptacle — 125V NEMA type as shown on plans	Ē	Emergency pull station (tenant assistance)
Ř	Exit sign - wall mounted	ж	Single receptacle – 250V	S	Speaker — ceiling
	Faces and arrows as shown on plans	\$	NEMA type as shown on plans	_	
Y	Emergency lighting battery pack — ceiling	<b>9</b>	Special purpose receptacle	<u>ş</u>	Speaker — wall
¥	Emergency lighting battery pack - wall	۲	Floor outlet box	坚	Volume control — wall
~	Emergency lighting remote head - wall	⊞	Power pole		CCTV Camera PTZ = Pan, tilt, zoom
$\mathbb{X}$	Ceiling fan	J	Junction box – ceiling	7	W = Wall
⊶ ⊷	Pole mounted site lighting fixture	민	Junction box — wall		RISER SYMBOLS
8	Single post top site lighting fixture	A-1,3,5	Homerun to panel 'A', circuit numbers 1,3,5	XX-XXX	Feeder tag
	Bollard site lighting fixture	Ý	Disconnect switch – non-fused		Ground
$\nabla$	Flood light fixture	٢	Disconnect switch — fused	निनि	Panelboard – MLO/MCB
0	In-ground uplight fixture	ᄕᄜ	Disconnect switch — circuit breaker ST = Shunt trip	┨└╵╵└╵	
	Steplight fixture	Ř	Motor starter		Circuit breaker
<u>A</u> A-1	Lighting fixture type Panel and circuit number	F F	Combination motor starter — fused disconnect switch		Disconnect switch - non-fused
\$a	Switch — single pole		Combination motor starter — circuit breaker		Disconnect switch - fused
	a = Controls lighting fixtures 'a' 3 = 3-way switch		Panelboard		Motor starter
	4 = 4 way switch K = Key operated		Transformer		Combination motor starter — circuit breaker
	LV = Low voltage M = Manual motor starter		Meter		Combination motor starter — fused disconnect switch
	MC = Momentary contact				
	P = Pilot light	<u></u>	Motor		Meter
<b>\$</b> D	Dimmer - incandescent UON F = Fluorescent	X	Plan note		
	LV = Low voltage 3 = 3-way dimmer	EXXX	Equipment tag		Pad mounted service transformer
Ø	Occupancy sensor - ceiling	ATS	Automatic transfer switch annunciator		
Ŷ	Occupancy sensor — wall	GEN	Generator annunciator		Transformer
\$0S	Occupancy sensor — wall switch	SPD	Surge protection device	- <u>- 18</u>	
ଙ୍	Photocell	FACP	Fire alarm control panel		Generator
Ē	Emergency power off pushbutton	FATC	Fire alarm terminal cabinet	14	
<u> </u>	Push plate	FTR	Fire alarm transponder panel		Transfer switch
ଭି <sup>0</sup> ଷ ପ	Single/multiple station smoke, carbon monoxide, or combin-		Notification appliance circuit extender panel		
<u>କ୍ରୁ ଜ</u>	ation smoke/carbon monoxide alarm — ceiling Single/multiple station smoke, or combination smoke/carbon	SCP	Smoke control panel	σ	Motor
тY	monoxide alarm — wall				

# **PHOTOCELL LIGHTING CONTROLS**



# **SERVICE GROUNDING DIAGRAM**





# ELECTRICAL RISER DIAGRAM

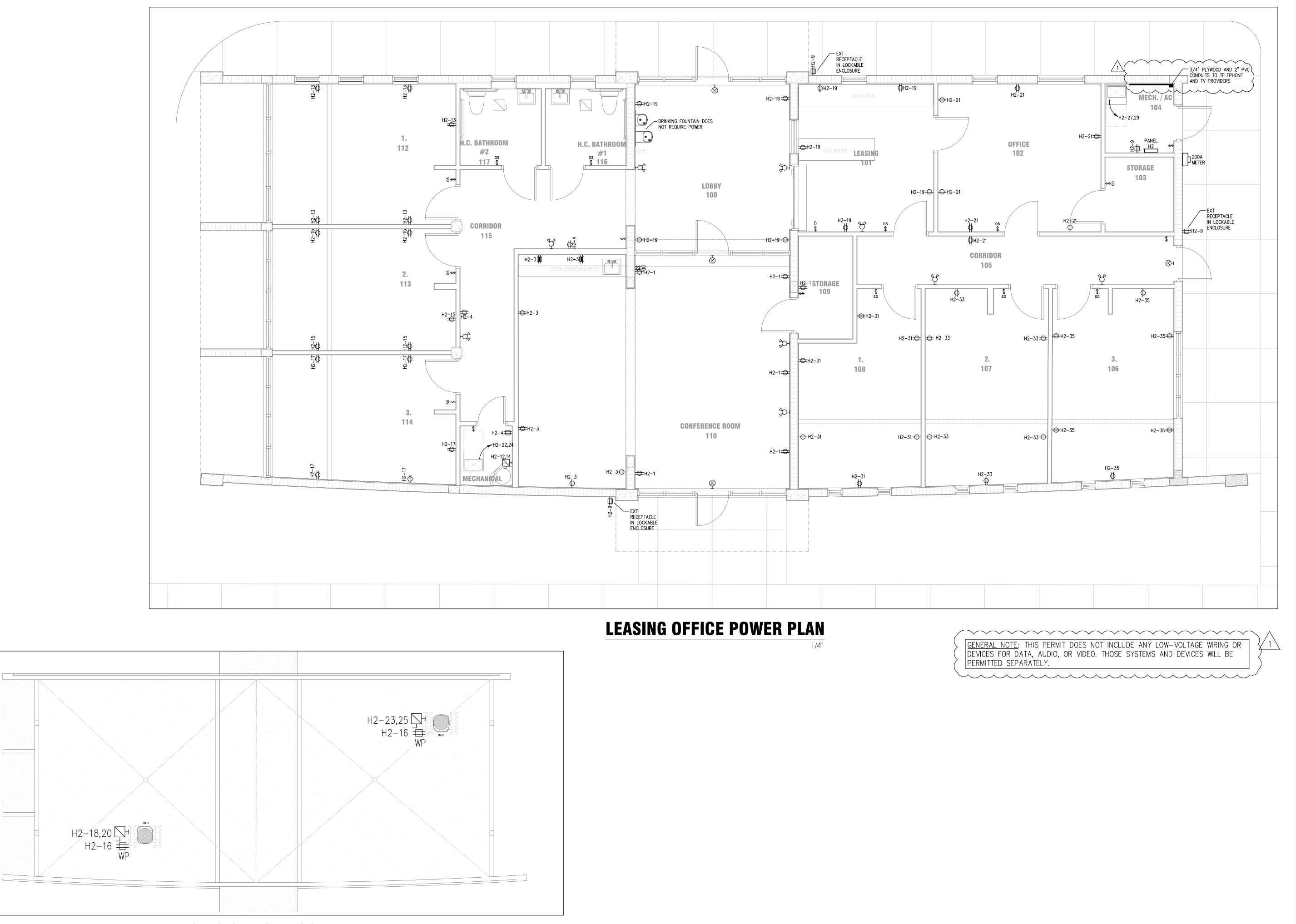
GENERAL NOTE: THIS INSTALLATION SHALL COMPLY WITH THE 2020 FLORIDA BUILDING CODE AND NFPA 70, 2017 EDITION (NEC).

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"

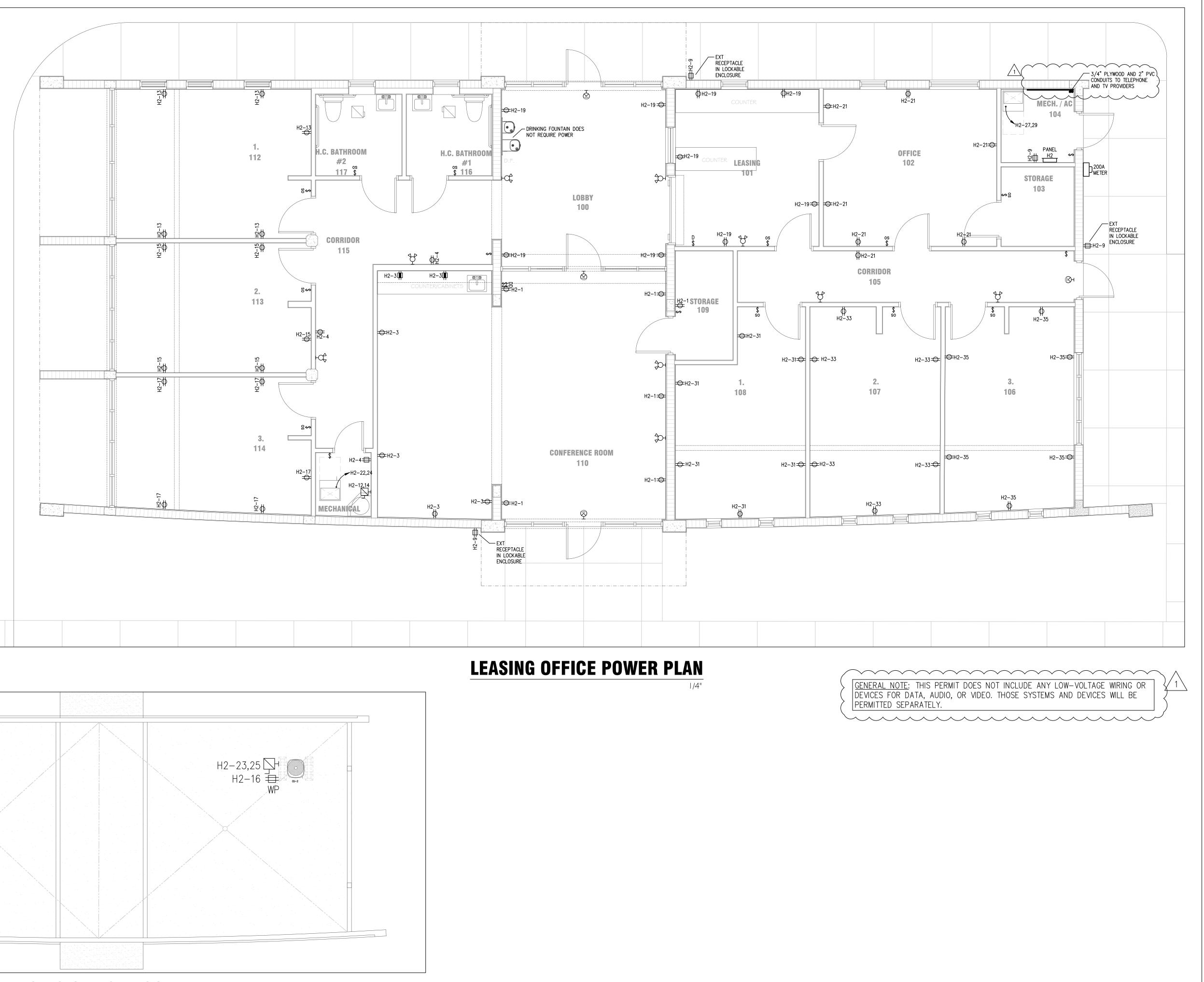
Ted Hoffman Architect 863 673 6814 Michael Facundo Architect 239 503 4333 WADSWORTH NO. 37383 BUILDING EE, FLORID/ AMIGOS DЕ LEASING FIMMOKALEE CASA ELECTRICAL COVER SHEET PROJECT No DRAWN CHECKED DATE 09-27-2021 SCALE 1/4" ISSUE NO. | DATE DESCRIPTIO 9-27-2 I JANITOR & DOU **E0.01** 

# LEASING OFFICE ROOF PLAN

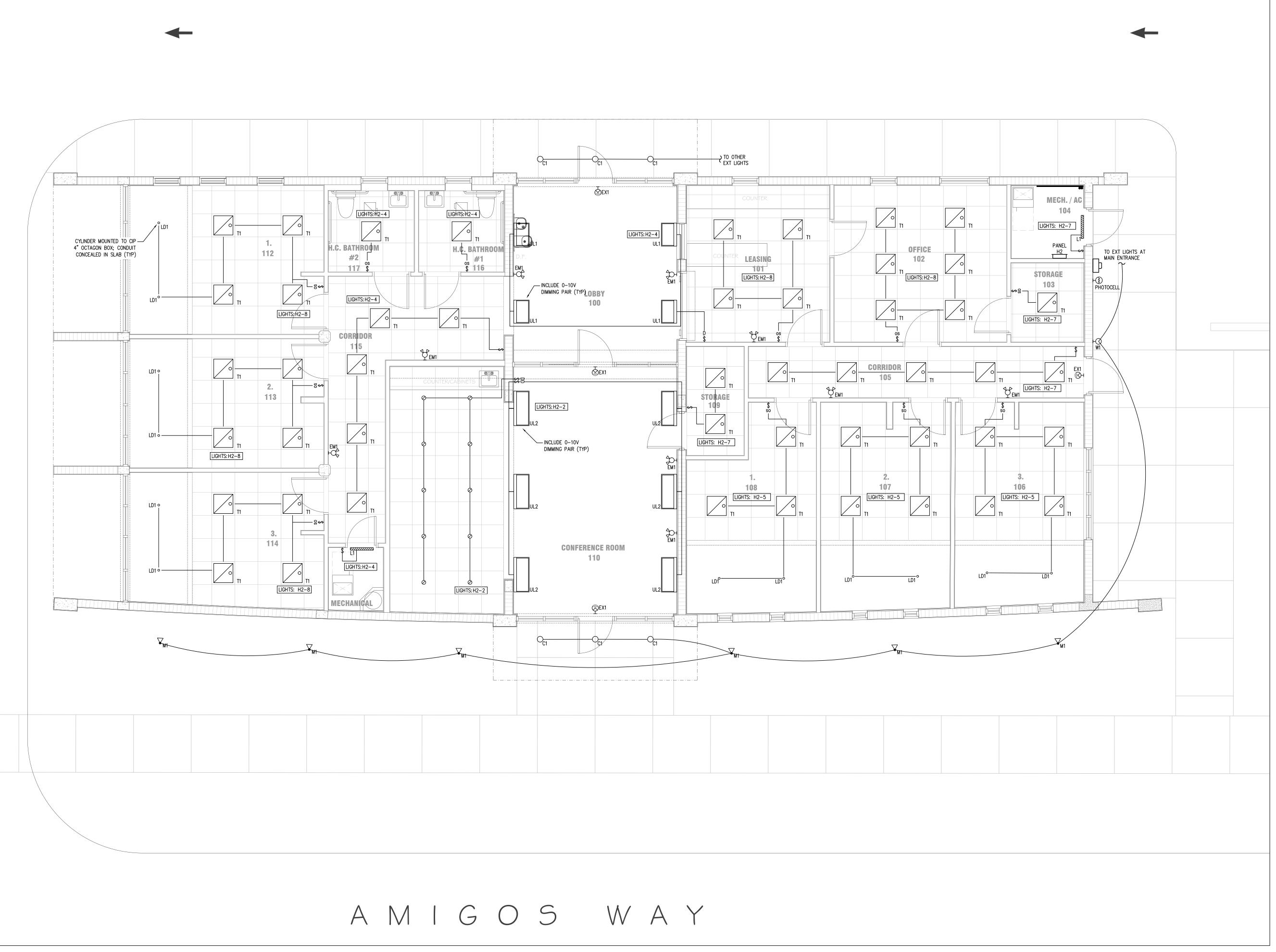
1/8"







LANNERS Ted Hoffman Architect 863 673 6814 Michael Facundo Architect 239 503 4333 DAN WADSWORTH LIC. NO. 37383 LEASING BUILDING IMMOKALEE, FLORIDA AMIGOS CASA DE LEASING OFFICE ELECTRICAL PLANS PROJECT No. DRAWN CHECKED DATE 09-27-2021 SCALE 1/4" ISSUE No. | DATE | DESCRIPTIC 9-27-2 I JANITOR & DOU DRINKING FOUN E1.00 WADSWORTH O'NEAL ASSOCIATES 4575 VIA ROYALE FORT MYERS, FL 33919 (239) 245–8728 COA 29733 ENCINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383 PROJECT NO. 20–105



# **LEASING OFFICE LIGHTING PLAN**

1/4"



### FIRE ALARM

SYSTEM INPUTS				
	/	Annun	nciatio	n
	Activate alarm signal	Activate supervisory signal	Activate trouble signal	Additional and distinct sized that indicates of the second se
Manual pull stations	X			
Smoke detectors	X	<u> </u>	<u> </u>	
Single and multiple station smoke detectors (residential units)				
Sprinkler system flow switches	X			
Sprinkler system tamper switches		x		
		$\uparrow$		$\vdash$
Automatic fire suppression system activation	X		1	
Automatic fire suppression system off-normal condition		X		
Fire alarm system trouble condition			x	-
Failure of primary power supply	1		X	
Failure of secondary power supply	1	<u> </u>	X	-
<ul> <li>Notes</li> <li>1. Activation of all alarm, supervisory and trouble signals <ul> <li>a. Be annunciated at the fire alarm control panel and</li> <li>b. Initiate remote monitoring facility notification.</li> <li>c. Display the following information at the fire alarm of - Device type, status and specific location (build</li> </ul> </li> <li>2. Occupant notification: <ul> <li>a. General evacuation: all alarm notification appliance</li> </ul> </li> </ul>	remot control ing, to	te ann panel wer, fl	and r oor ar	em nd i

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

- Sprinkler flow switch alarm activation shall be non-silenceable while water is flowing - The means for silencing the audible and visible notification appliances shall meet the requirements of NFPA 72 10.13: The means shall be key operated, located within a locked cabinet, or arranged to provide equivalent protection against unauthorized use.

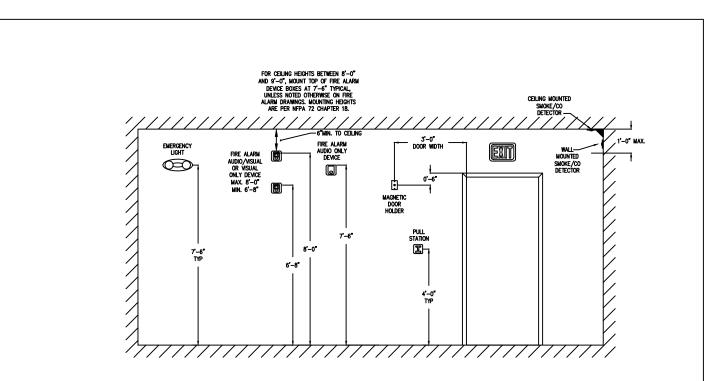
Any subsequent alarm shall reactivate the alarm notification appliances.

SY	SYSTEM SEQUENCE OF OPERATION																			
							S	YSTE	MOL	ITPUT	S									
ר _	No	tificati	ion	E	levato	rs		Smoke Control						Safety						
Activate separate and distinct signal that indicates eleva		× × Activate occupant notification		Activate associated elevator recall	Shunt trip open associated elevator circuit breaker		Release door holders	Disable power to automatic doors at rated partitions	Close fire shutters and horizontal sliding fire doors	Close smoke dampers	Close smoke damper(s) in system with fan not running	Shutdown air handling units indicated on drawings	Activate stair pressurization fans	Shutdown associated stair pressurization fan	Open stair pressurization relief and intake louvers	Open elevator hoistway dampers	Activate elevator hoistway pressurization system	Activate smoke control system	Unlock access-controlled egress doors	Sound system shutdown
		Х													ļ					
		Х																		

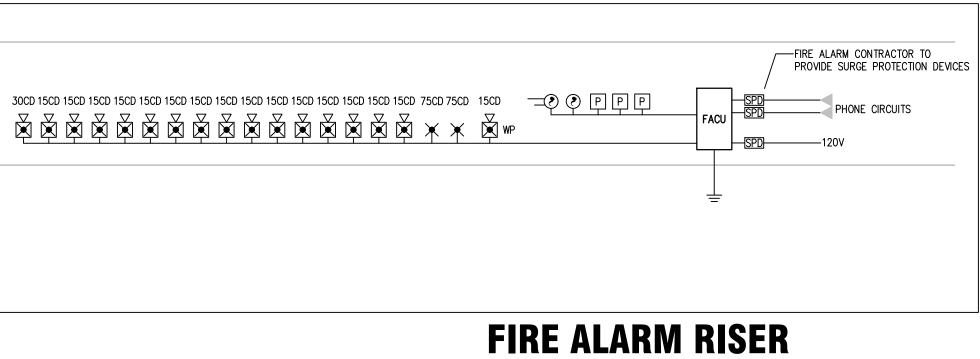
remote annunciator, and transmit to the remote monitoring facility:

and room).

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



# **TYPICAL MOUNTING HEIGHTS**

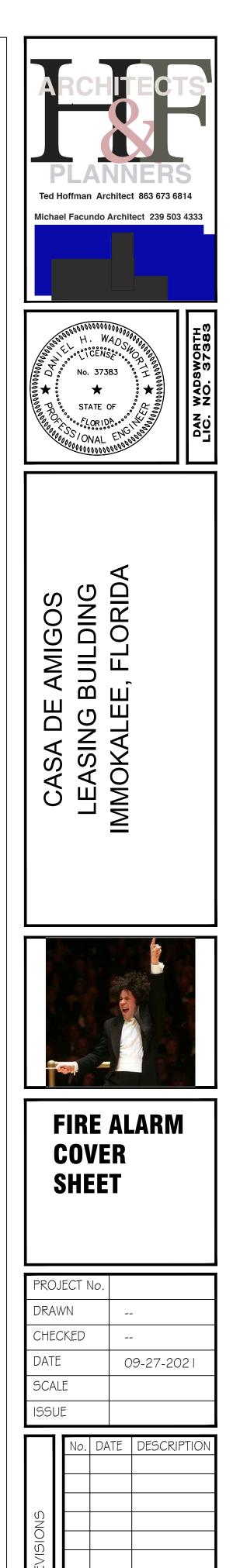


		FIRE ALARM SYSTEM D	EVICES	
Symbol	Device	Description	Mounting	Notes
	Heat detector	Combination rate of rise/fixed temperature	Ceiling	
() WP	Heat detector	Weatherproof, rate compensation type	Ceiling	
۲	Smoke detector	Photoelectric	Ceiling	
	Duct smoke detector	Photoelectric detector in an air duct sampling assembly	See Mechanical plans for exact location.	
•	Remote test switch	Key switch with alarm indicator LED	Wall mounted	See riser diagram
Ρ	Manual pull station	Double action, push type	Wall mounted at 48" AFF	
PWP	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
Ŷ	Tamper switch	Furnished and installed by Fire Protection contractor		Provide interface module
 ∳	Pressure switch	Furnished and installed by Fire Protection contractor		Provide interface module
×	Audio/visual device	White housing with red lettering (verify color with Architect) 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'	Wall mounted at 80" AFF to bottom of lens	Minimum strobe intensity as indicated on plans
$\bigotimes$	Audio/visual device	White housing with red lettering (verify color with Architect) 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'	Ceiling	Minimum strobe intensity as indicated on plans
₩P	Audio/visual device	Weatherproof, red housing with white lettering Horn with a sound level of minimum 90 dbA at 10' Provide red weatherproof backbox	Wall mounted at 80" AFF to bottom of lens	Minimum strobe intensity as indicated on plans
×	Visual only device	White housing with red lettering (verify color with Architect) Strobe intensity shall be selectable as: 15, 30, 75 or 110 candela	Wall mounted at 80" AFF to bottom of lens	Minimum strobe intensity as indicated on plans
X CLG	Visual only 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
X WP	Visual only device	Weatherproof, red housing with white lettering Provide red weatherproof backbox	Wall mounted at 80" AFF to bottom of lens	Minimum strobe intensity as indicated on plans
A	Audio only device	White housing with red lettering (verify color with Architect) Horn with a typical indoor sound level of minimum 87 dbA at 10'	Wall mounted same height as audio/visual devices	
<u> </u>	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' Provide red weatherproof backbox	Wall mounted same height as audio/visual devices	
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 18.4.5. The alarm signal shall ba square wave or equivalent awakening ability. The wave shall have a fundamental 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 required	Provide additional support in wall as required for wall mounted unit 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 extender panel	Panel providing additional notification appliance circuit	Surface mounted	

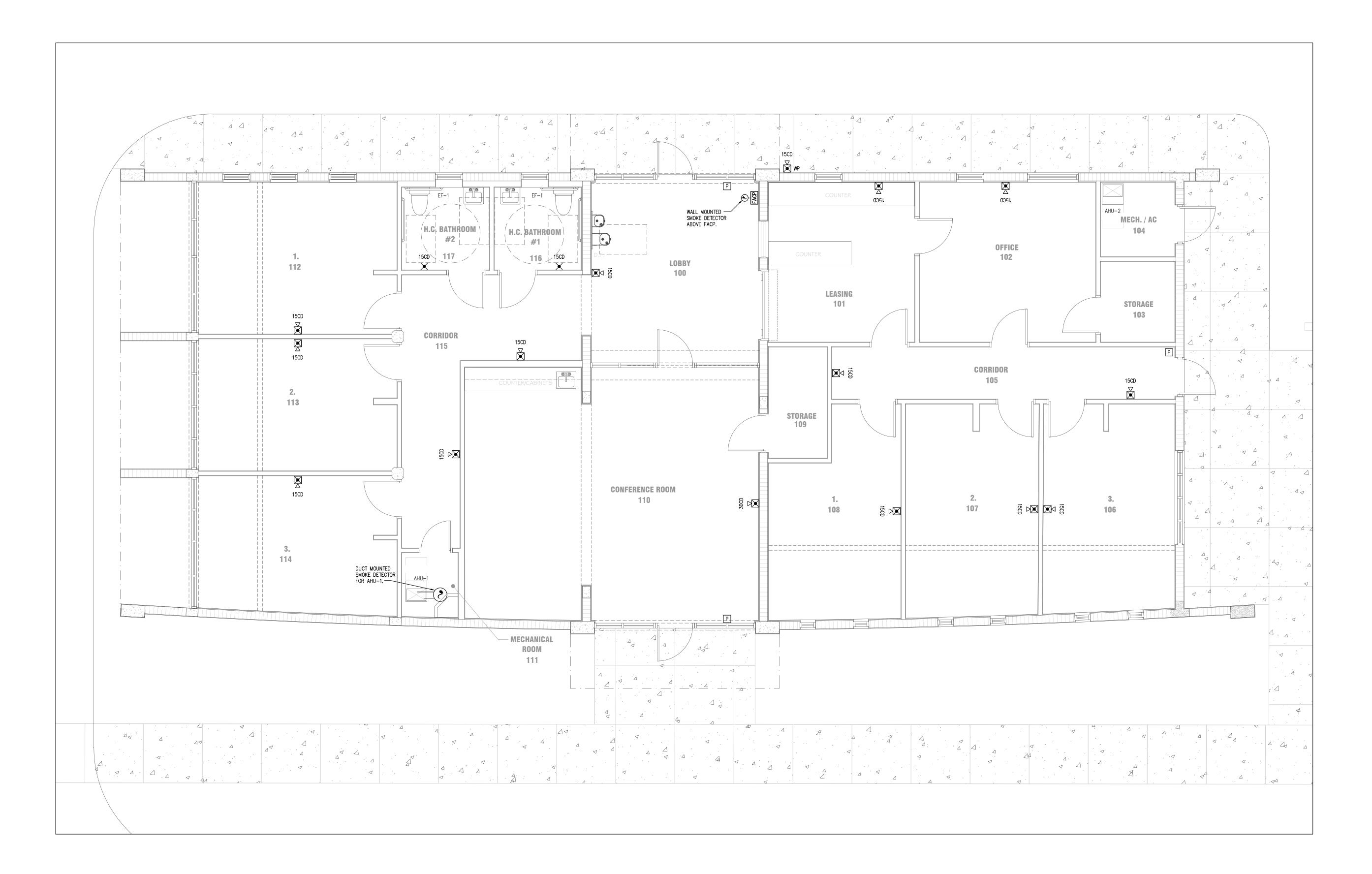
_				
	FIRE	ALARM	SYSTEM	NOTES

- 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). 4. 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 WIRING SHALL BE INSTALLED SCHEDULE 40 PVC CONDUITS AT A MINIMUM BURIAL DEPTH OF 18" BELOW GRADED. PROVIDE SURGE PROTECTION OR ALL CIRCUITS

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''



FA0.01



LEASING OFFICE FIRE ALARM PLAN  $\longrightarrow \mathbb{N}^{-}$ 



### 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 ot 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.

#### SUPERVISION

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.

FIXTURES Supply Specification Class Manufacturer & Model Mark Description н с ŇS-1 1/2 1/2 Fiať "TŠBC1610" - 24"x24"x12" precast terrazzo - Fiat 8330AA faucet & 1453BB strainer & 823AA hose / hose bracket. Mop<sup>°</sup>Sink Équivalent DF-1 Elkay - "EDFP217C" - wall mounted ADA - bi-level station - non-filtered - non-refrigerated. MPW200 wall carrier. Drinking fountain - | 1/2 Equivalent LAV-3 American Standard - Lucerne "0355.012" - 4" centers - white. Delta "B510LF" - 1.2 gpm faucet - metal drain - chrome. Lavatory - wall mount - public 1/2 1/2 Equivalent Dayton "DSE12522" - 25"x22"x8" S/S 3-hole sink - D1125 drain - Delta "16953DST" - 1.8 gpm faucet - chrome. SK-1 Conference room sink 1/2 1/2 Equivalent WC-2 American Standard - Cadet "270AA.001" - right height - elongated bowl - 1.6 gpf - AS #5321.110 seat - white Water closet - tank - 1/2 Equivalent DRAINS Mark Description Specification Class Manufacturer & Model Zurn "ZN1400-B" - cast iron body - nickel bronze top - concrete areas. PVC cleanouts can be used in grass areas. CO Sanitary cleanout Equivalent ED 2" thru 6" equipment drain Equivalent Zurn "Z415C-VP" - cast iron body - nickel bronze top - 6" strainer FD Zurn "Z415B-P" - cast iron body - nickel bronze top - 6" strainer - 4" deep seal trap 3" thru 6" floor drain Equivalent RD Zurn "Z100" - 15" diameter - cast iron body - poly dome 3" thru 8" primary roof drain Equivalent EQUIPMENT Supply Specification Class Manufacturer & Model Mark Description НС ÉWH1-2 HB Hose bibb 3/4 3/4 Equivalent 3/4 Equivalent State PCE 10 10MSA; 2,000 watts; 18-1/4" Woodford "Model 26" - backflow protected -Sioux Chief 695 primer valve - vacuum break Floor drain trap seal primer Equivalent

Provide the following items and options

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

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

- provide with wall hanger or concealed arm carrier 3 LAV

4 Eliminate electrical contact between components of dissimilar metals. 5 Access panels for all items requiring service or maintenance - finish to be selected by architect.

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

AESTHETIC ADJUSTMENT

### PRODUCTS

- B SUBMITTAL REVIEW

  - Equivalent products of other manufacturers may be used. Submittal data is is not required.

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.

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.

1 Products are classified as "Basis-of-Design", "Equivalent" or "Industry Standard". 2 "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.

C Provide manufacturer's maintenance and operation instructions for each product.

	Nat. Gas	E	al	
	(BTUH)	volts	MCA	MOP
" tall x 18" dia.		120/1	-	-
- metal wheel handle - chrome - 3/4"				
aker - see detail				

### PLUMBING SPECIFICATIONS & PRODUCTS

Underground	Industry Standard	Schedule 40 P
Above ground		
Stacks	Industry Standard	Schedule 40 P
Above floor slab exposed trap & arm	Industry Standard	Chrome-plated
Above floor slab concealed trap & arm	Industry Standard	Schedule 40 P
RAINWATER & CONDENSATE PIPING		
Underground	Industry Standard	Schedule 40 P
Above ground	Industry Standard	Standard weigh
WATER PIPING		
Outside Building		
Underground	Industry Standard	Schedule 40 P
Above grade	Industry Standard	Type L Copper
Inside Building - Above ground		
Building Riser	Industry Standard	Type L Copper
Hot & cold 1" and larger	Industry Standard	Schedule 40 C
Hot & cold 3/4" and smaller	Industry Standard	Schedule 40 C

### ABBREVIATION SCHEDULE

WASTE & VENT PIPING

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
	eviations above are used on these
drawings.	

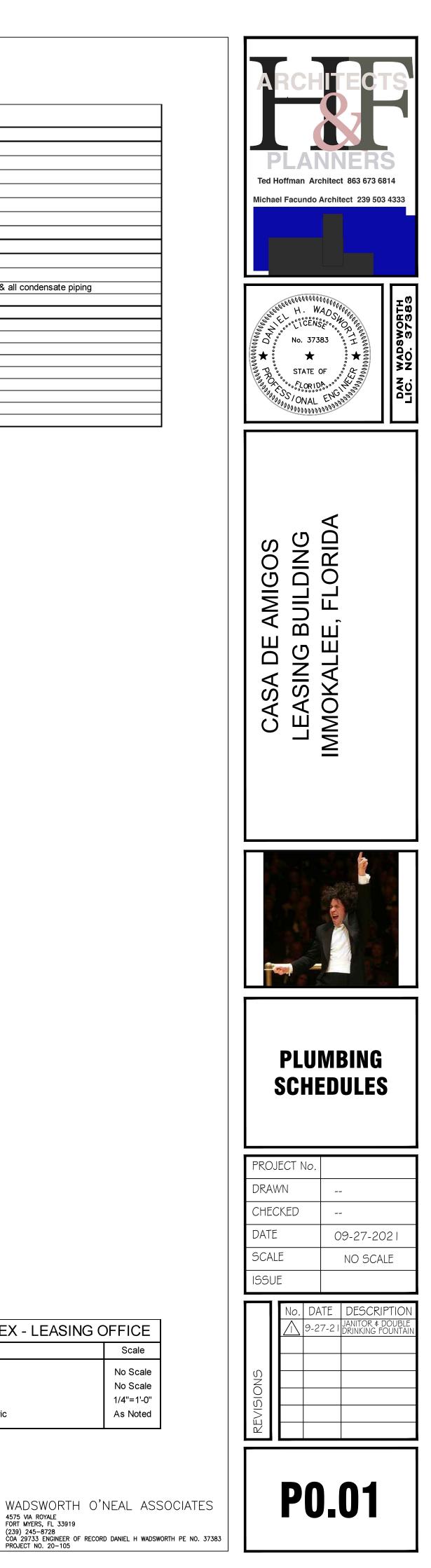
## **PLUMBING SCHEDULES**

PVC PVC

ed brass PVC

ght no-hub cast iron; 1" Armaflex insulation for all horizontal rainwater & all condensate piping

CPVC; Sioux Chief copper terminations



20-105	PLUMBING SHEET INDEX - LEASING OFFICE					
Sheet No.	Sheet Title	Scale				
P0.01	Plumbing Schedules	No Scale				

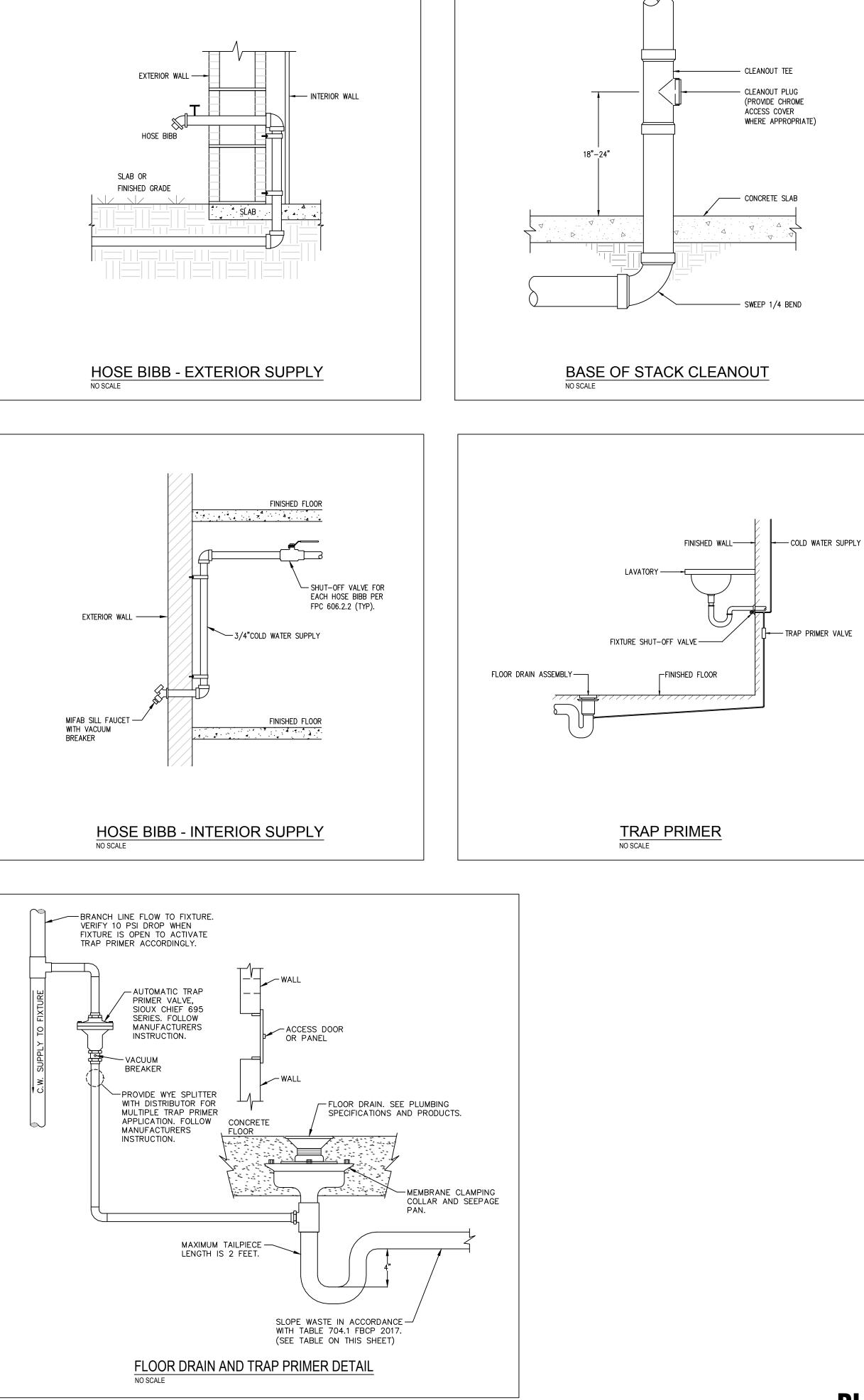
P0.02 Plumbing Details

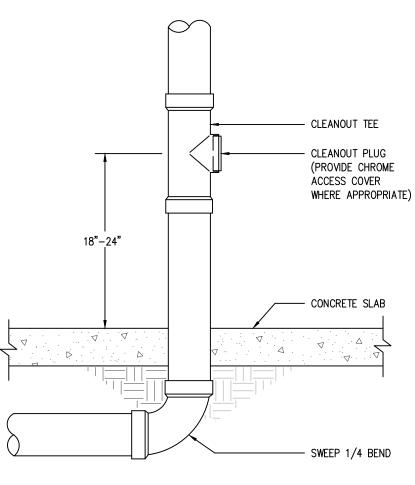
P1.00 First Floor Drainage & Domestic Water

P2.00	Roof Level Drainage & Sanitary Isometric	As Noted	

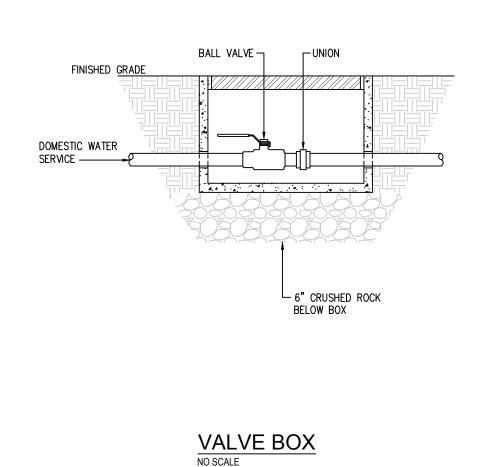
4575 VIA ROYALE FORT MYERS, FL 33919

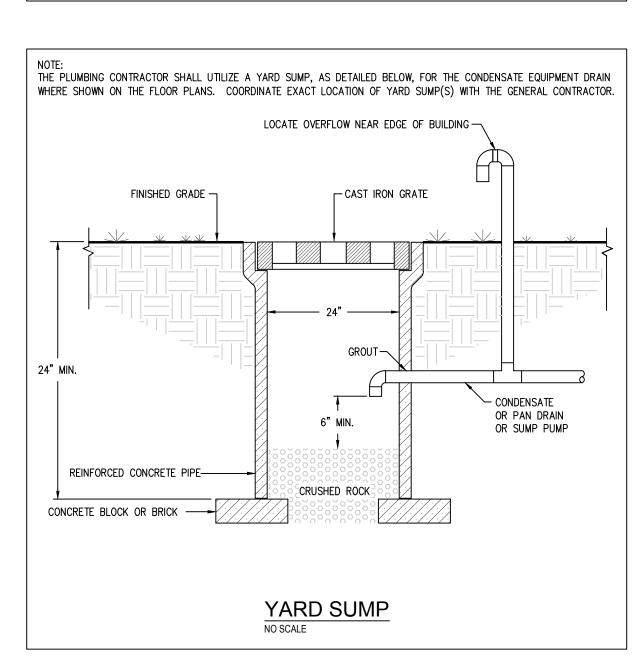
No Scale 1/4"=1'-0"



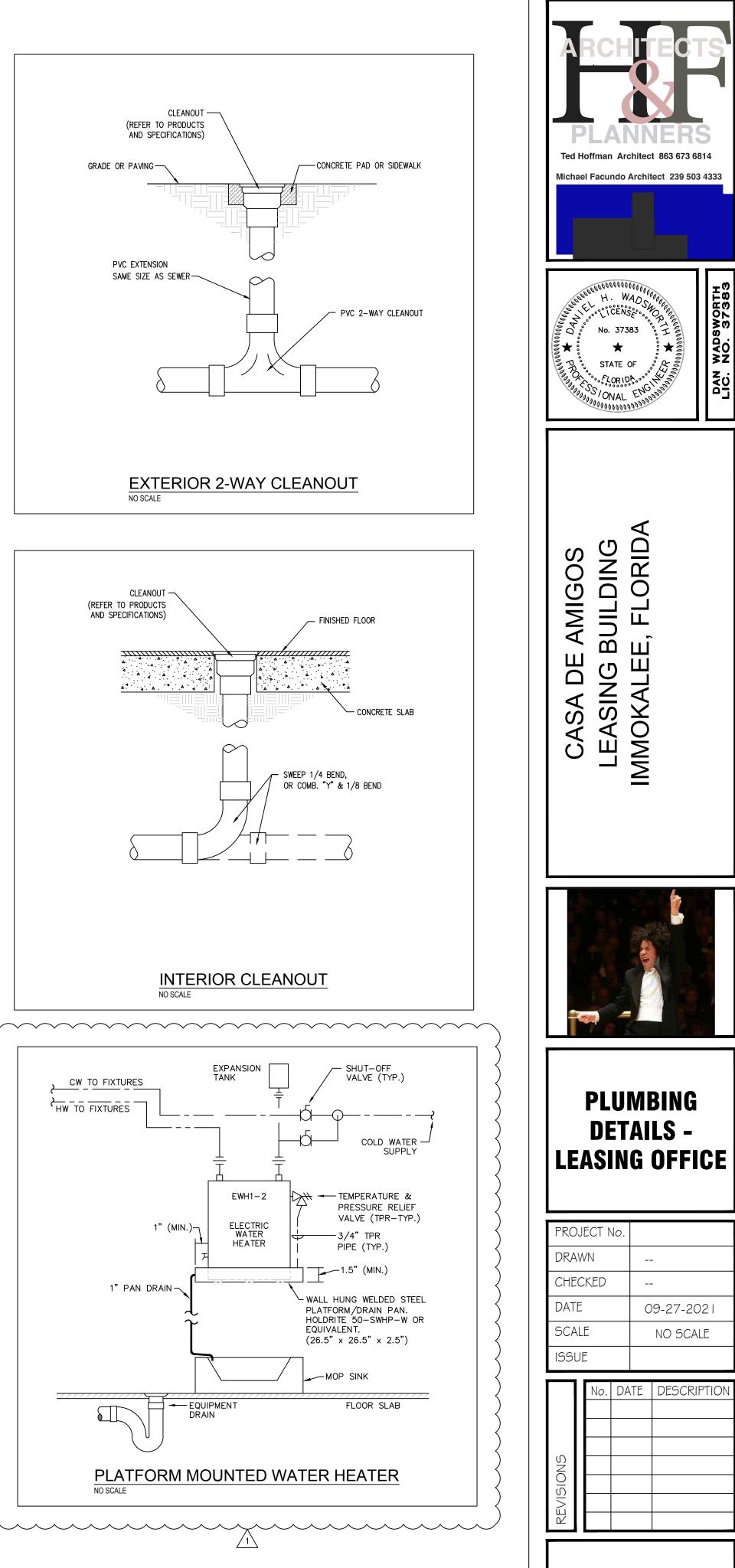








**PLUMBING DETAILS** 



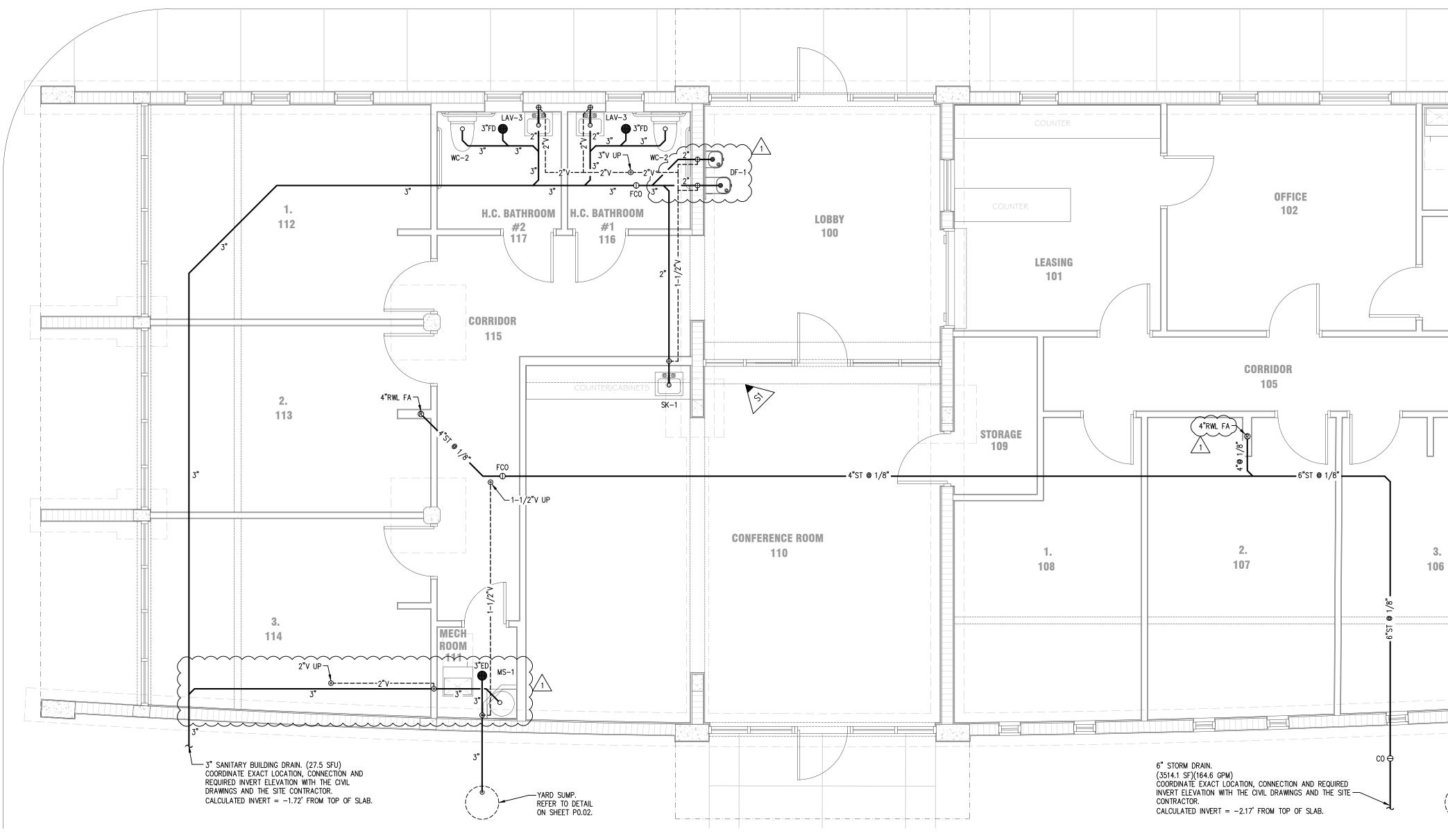
DAN WADSWORTH LIC. NO. 37383

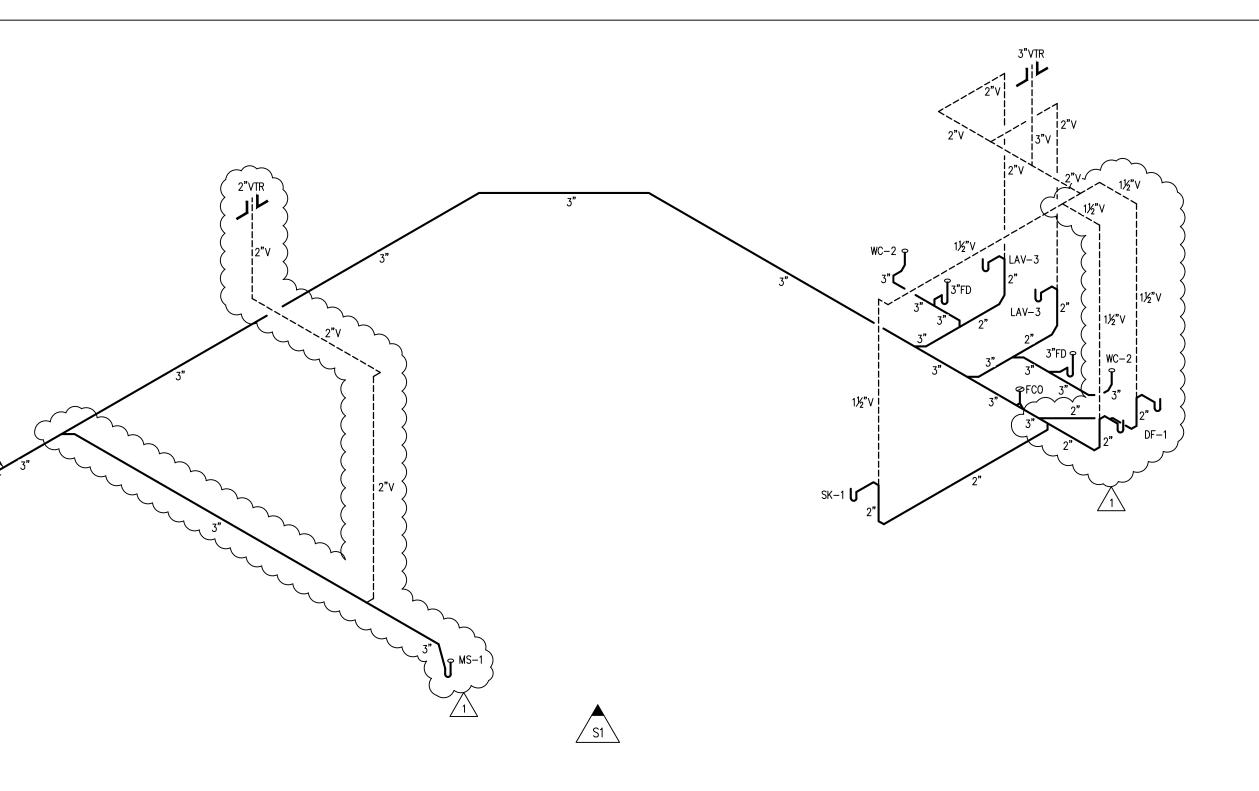
09-27-2021

**P0.02** 

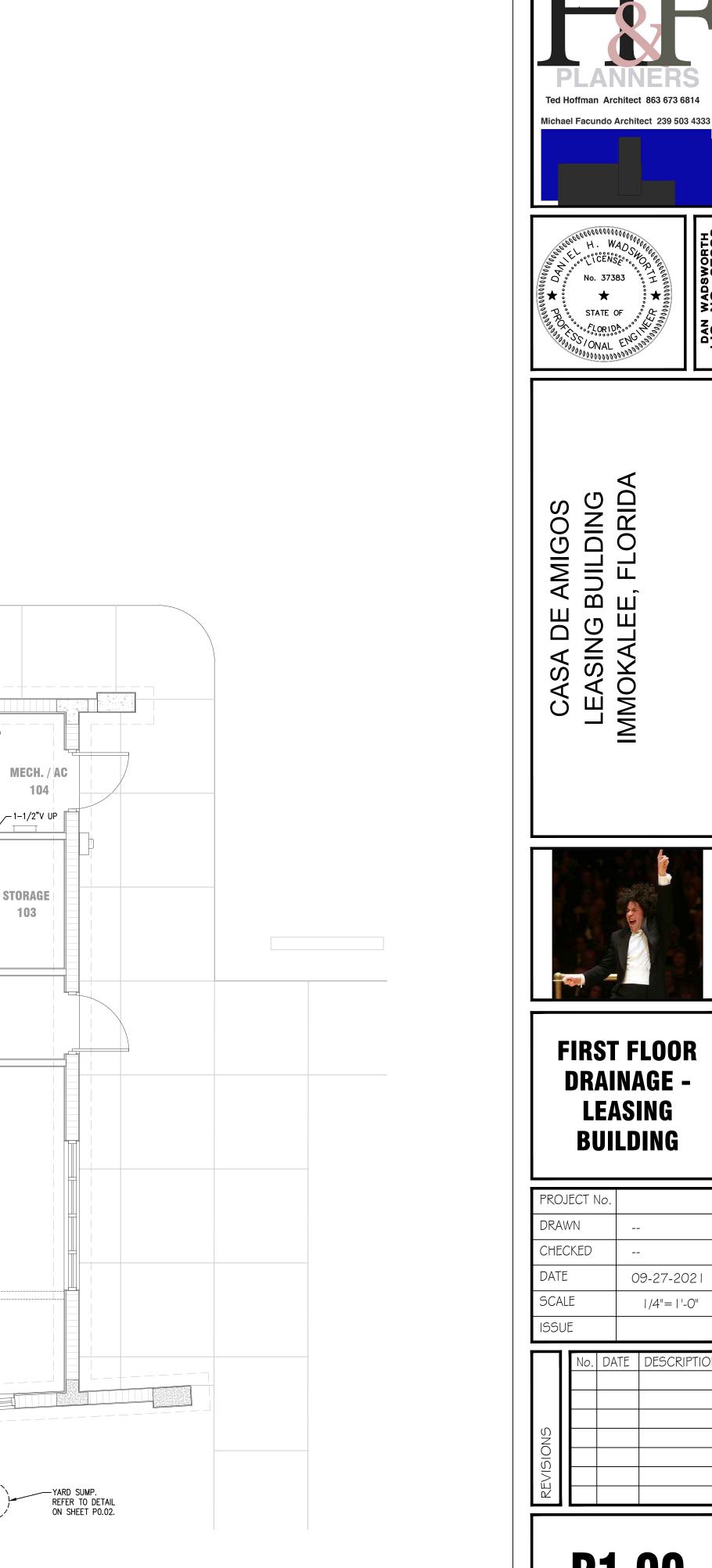
NO SCALE

3" SANITARY BUILDING DRAIN. (27.5 SFU) COORDINATE EXACT LOCATION, CONNECTION AND REQUIRED INVERT ELEVATION WITH THE CIVIL DRAWINGS AND THE SITE CONTRACTOR. CALCULATED INVERT = -1.72' FROM TOP OF SLAB.—





FIRST FLOOR DRAINAGE - LEASING BUILDING  $\longrightarrow N-$ 



104

STORAGE

103

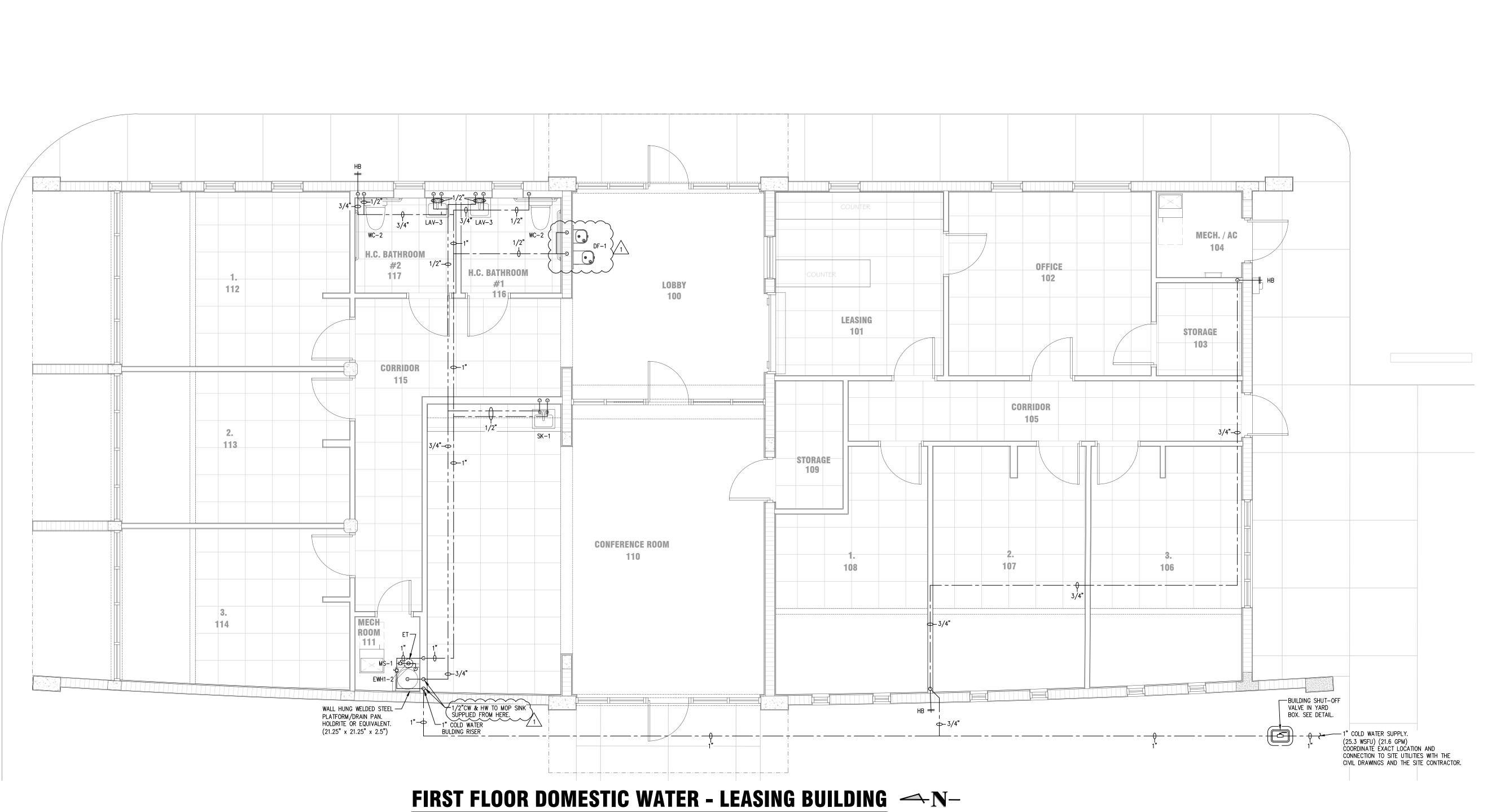
WADSWORTH O'NEAL ASSOCIATES 4575 VIA ROYALE FORT MYERS, FL 33919 (239) 245–8728 COA 29733 ENCINEER OF RECORD DANIEL H WADSWORTH PE NO. 37383 PROJECT NO. 20–105

LEASING BI IMMOKALEE, FIRST FLOOR DRAINAGE -LEASING BUILDING PROJECT No. 09-27-2021 |/4"=|'-0"

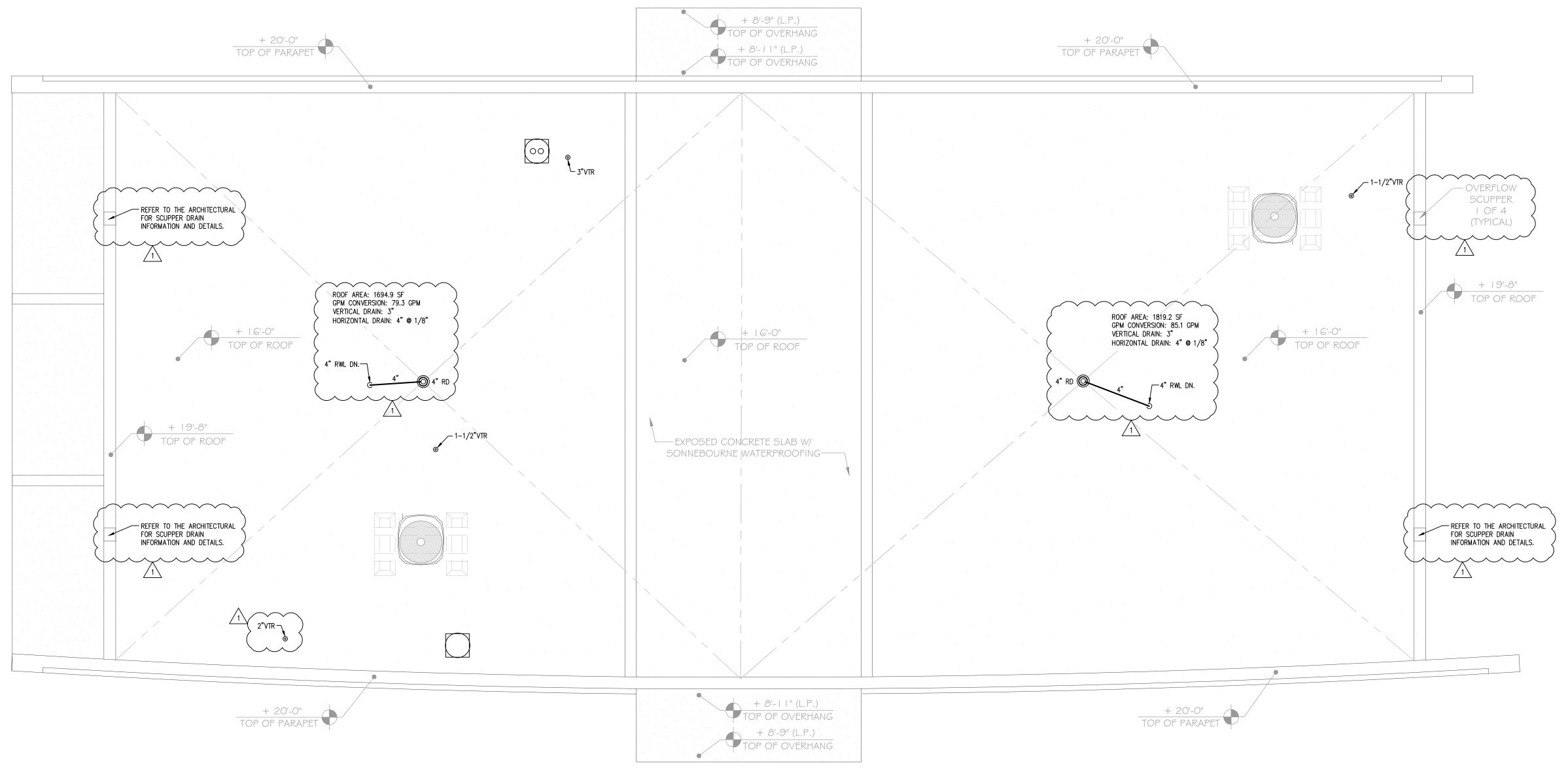
I WADSWORTH NO. 37383

No. DATE DESCRIPTIO

# P1.00







ROOF LEVEL DRAINAGE - LEASING BUILDING  $\longrightarrow N-$ 

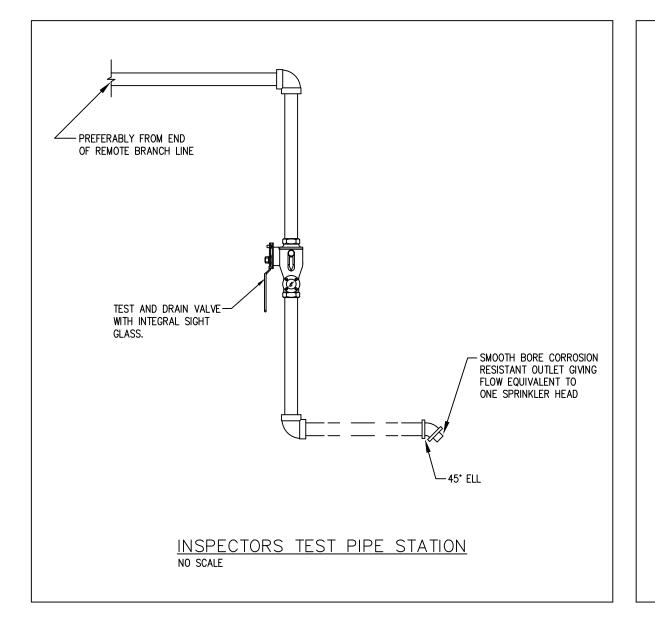


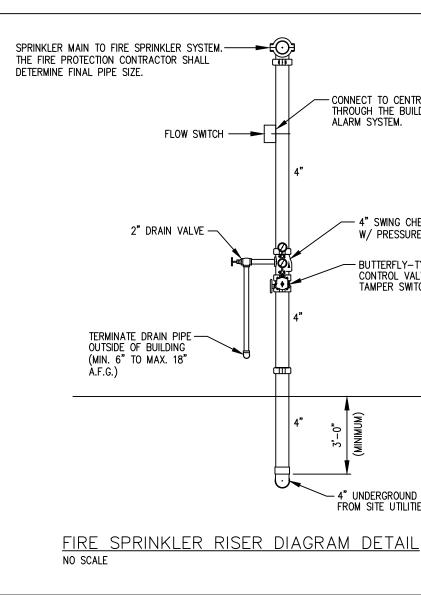
	CLASSIFICATION	OF OCCUPANCY	
Light Hazard	Ordinary Hazard Group 1	Ordinary Hazard Group 2	Residential
Lobby	Mechanical rooms	N/A	N/A
Conference Room	Storage rooms		N/A
Toilet Rooms			
Offices			
Corridors			
The areas listed above are rooms	or spaces having uses and conditions	meeting each of the different classific	ation of occupancy. The areas listed
are general and do not include eve	ry room or space in this building.		
	· · · · ·		

	FIRE PROTECTION PIPING SCHEDULE								
Application	Location	Material	Fittings	Minimum Rated Pressure					
Duilding oprinkler riser	First floor	Schedule 10 black steel	Ductile or cast iron	175 poi					
Building sprinkler riser			Ductile of cast from	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 a	& 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.	X	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) Info	rmation provi	ided above sh	hall be considered t	he Basis-of -I	Design for thi	s project. 2)	Tyco/Viking/Globe/	Reliable are	acceptable m	anufacturers. 3) Alternate sprinkler manufacturers shall be		
submitted for	review and a	approval. 4) T	The exact sprinkler	"Type" and th	e areas in w	hich they are	installed shall be c	oordinated wi	th and approv	ed 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.





ALL SUPPORT MEMBERS EXPOSED TO THE ENVIRONMENT SHALL BE 304 STAINLESS STEEL CLEVIS HANGERS WITH STAINLESS STEEL HANGER RODS AND NUTS.

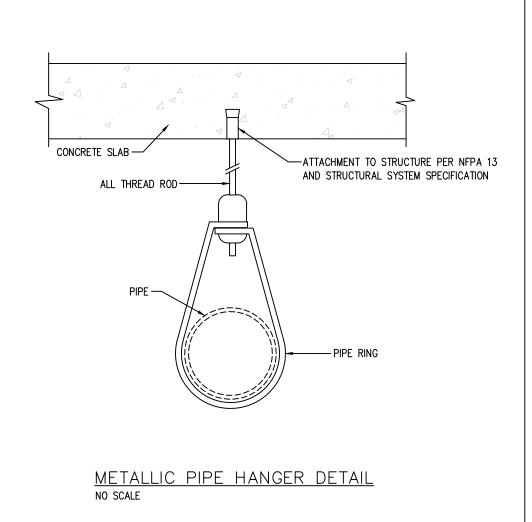


TABLE 6-2.2 MAXIMUM	DISTANCE	BETWE	EN HAN	GERS (F	TIN.)			
NOMINAL PIPE SIZE (IN.)	34	1	1 <sup>1</sup> 4	1 <sup>1</sup> 2	2	21 2	3	312
STEEL PIPE (EXCEPT THREADED LIGHTWALL)	N/A	12–0	12–0	15–0	15–0	15–0	15–0	15–0
THREADED LIGHTWALL STEEL PIPE	N/A	12–0	12–0	12–0	12–0	12–0	12–0	N/A
COPPER TUBE	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15–0
C.P.V.C.	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A
POLYBUTYLENE (IPS)	N/A	3–9	4–7	5-0	5–11	N/A	N/A	N/A
POLYBUTYLENE (CTS)	2–11	3–4	3–11	4–5	5–5	N/A	N/A	N/A
DUCTILE IRON PIPE	N/A	N/A	N/A	N/A	N/A	N/A	15–0	N/A
	F	FIRE	PR	OTEC		n le	EGEN	<u>1D</u>

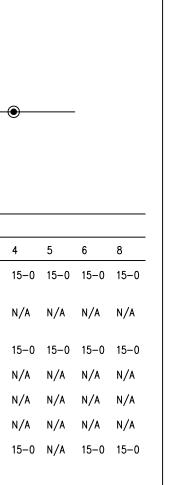
NO SCALE

- CONNECT TO CENTRAL STATION THROUGH THE BUILDING FIRE

- 4" SWING CHECK VALVE W/ PRESSURE GAUGE

- BUTTERFLY-TYPE SYSTEM CONTROL VALVE WITH TAMPER SWITCH

" UNDERGROUND FIRE SERVICE FROM SITE UTILITIES.



### **2019 Annual Drinking Water Quality Report Collier County Water Division PSW ID: 5114069**

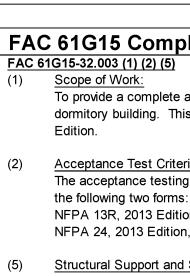
Inorganic Ch	emicals								
Contaminant and Unit of Measurement	samplin	g Violatio	n Level Detected	Range of Results	MCLG	MCI	L	ikely Source of	Contamination
Fluoride (ppm)	3/17	N	0.46	NA	4	4	fertilizer a	motes strong teet	discharge from tories. Water additive n when at optimum level
Nitrate (as Nitrogen) (ppm)	2/17	N	0.025	ND- 0.025	10	10		om fertilizer use; l rage; erosion of na	eaching from septic atural deposits
Sodium (ppm)	3/17	N	55.0	44.3-55.0	N/A	160	Salt water	intrusion, leachir	ng from soil
Contaminant	Dates of sampling (mo/yr)	MCL Violation Y/N	Total Nu Positive Sam Yea	ples for the	MCL	G.	Ν	ACL	Likely source of contamination
E. coli*	Monthly 2019	N	1	Year     Routine and repeat samples are total coliform positive and either is <i>E. coli</i> positive or system fails to take repeat			Human and animal fecal waste		
			ed positive for and <i>E. coli</i> the					riginal, upstream,	and downstream

Stage 1 Disinfectants and	Disinfection	<b>By-Produc</b>	ts				
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	Ν	3.3	0.8-4.1	MRDLG = 4	MRDL = 4	Water additive used to control microbes

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG or MRDLG	MCL	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	Quarterly 2019	N	19.2	11.4-31.2	NA	60	By-product of drinking water disinfection
Total trihalomethanes (TTHM) (ppb)	Quarterly 2019	Ν	41.0	30.8-49.3	NA	80	By-product of drinking water disinfection

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	AL Exceeded Y/N	90th Percentile Result	Number of sampling sites exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	6/17	Ν	0.042	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	6/17	Ν	1.3	0	0	15	Corrosion of household plumbing systems, erosion of natural deposits

Page 3 of 5



(a)

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". (b)

(C)

(d)

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.

Characteristics of the Water Supply: (e) 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.

(f) Flow Test:

Valving and Alarm Requirements to Minimize Potential for Impairments and Unrecognized Flow of Water: (g) 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): (h) 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.

(i)

Quality and Performance Specifications of all Yard and Interior Fire Protection Components: (j) 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. (k)

(l)

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.

(m)



### FAC 61G15 Compliance

### 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

#### Acceptance Test Criteria:

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) Point-of-Service:

#### Applicable NFPA standards to be applied:

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.

#### Classification of Hazard Occupancy for each room or area:

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)

Light Hazard - requires 0.10 gpm / sf and 100 gpm total hose stream allowance. (L.H. - includes but not limited to the following areas: lobby, conference room, toilet rooms, offices and corridors)

#### Design Approach:

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).

<u>Residential</u> - Not Applicable for this building.

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

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).

#### 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.

### Fire Pump Requirements:

A fire pump shall not be required for this building.

#### Fire Water Storage Tank:

### Owner's Certificate:

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

20-105	FIRE PROTECTION SHEET INDE	Х
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"

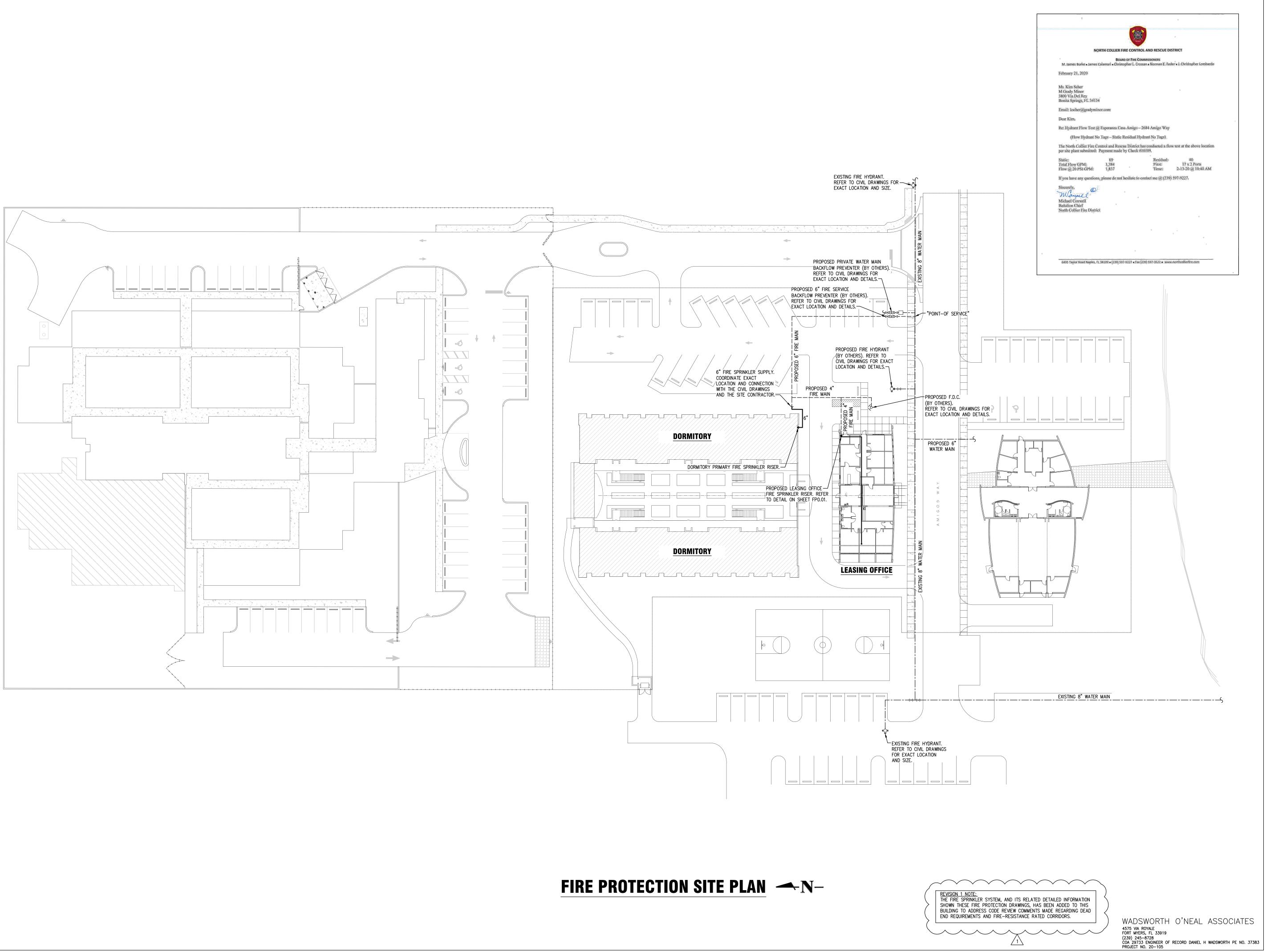
REVISION 1 NOTE: THE FIRE SPRINKLER SYSTEM, AND ITS RELATED DETAILED INFORMATION SHOWN THESE FIRE PROTECTION DRAWINGS. HAS BEEN ADDED TO THIS BUILDING TO ADDRESS CODE REVIEW COMMENTS MADE REGARDING DEAD END REQUIREMENTS AND FIRE-RESISTANCE RATED CORRIDORS.

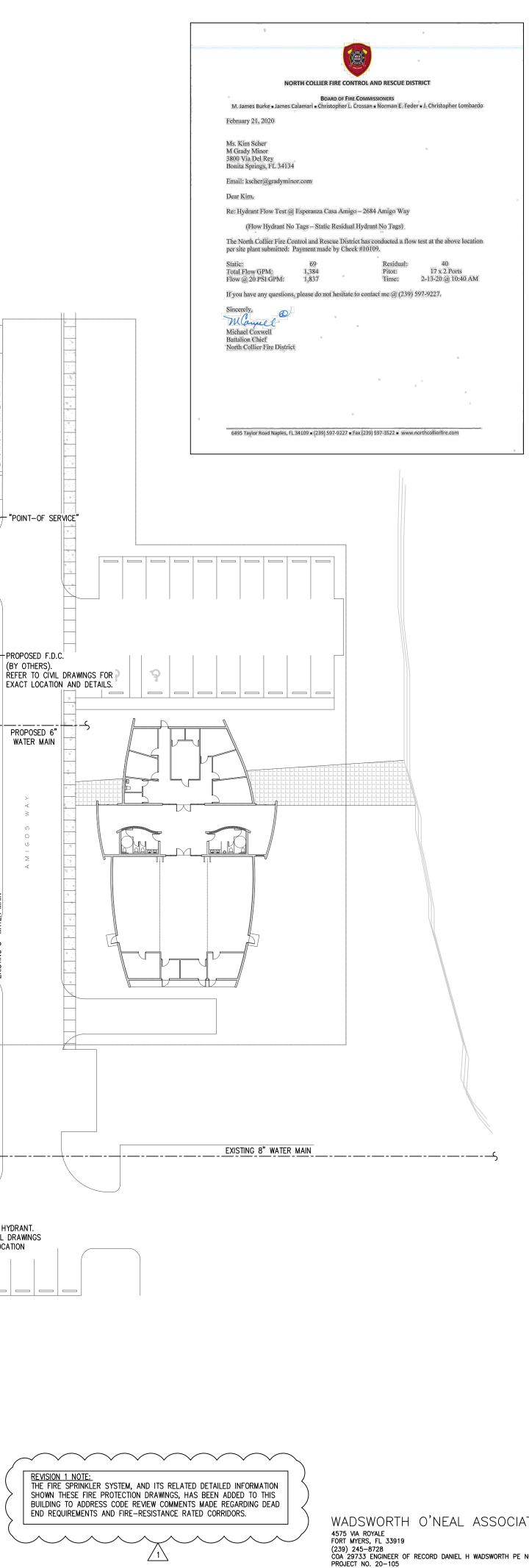
WADSWORTH O'NEAL ASSOCIATES 4575 VIA ROYALE FORT MYERS, FL 33919

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

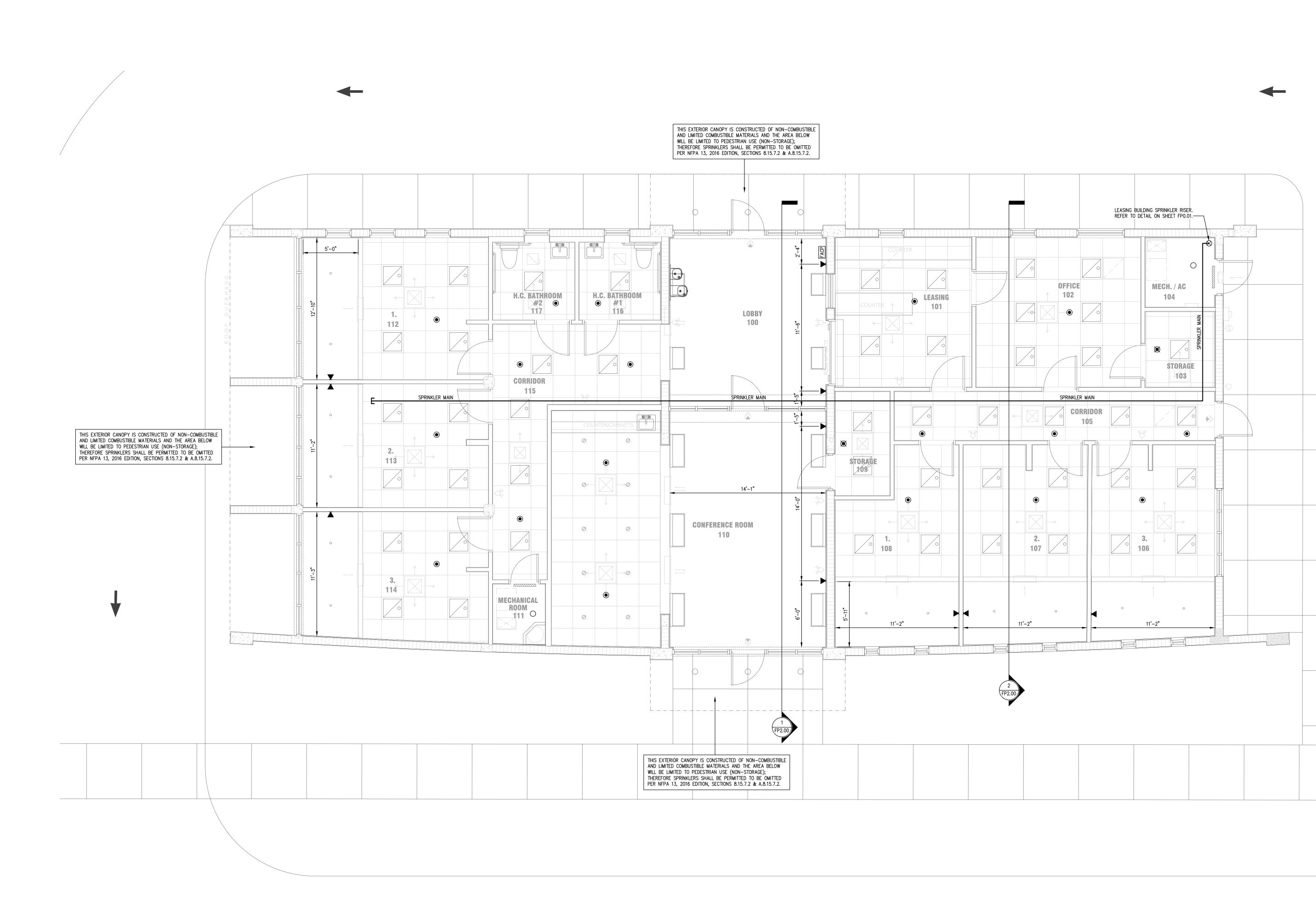
	Ted Hoffman Architect 863 673 68 Michael Facundo Architect 239 503	
	No. 37383 → → → → → → → → → → → → → → → → → → →	DAN WADSWORTH LIC. NO. 37383
	CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA	
	FIRE PROTECTION SCHEDULES DETAILS & FAC61G15 COMPLIANC	,
	PROJECT No.DRAWNCHECKEDDATE09-27-20SCALENO SCALISSUE	
	No. DATE DESCRIP	
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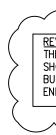
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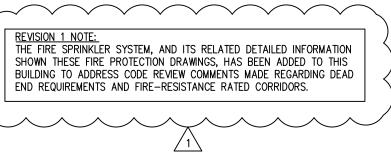










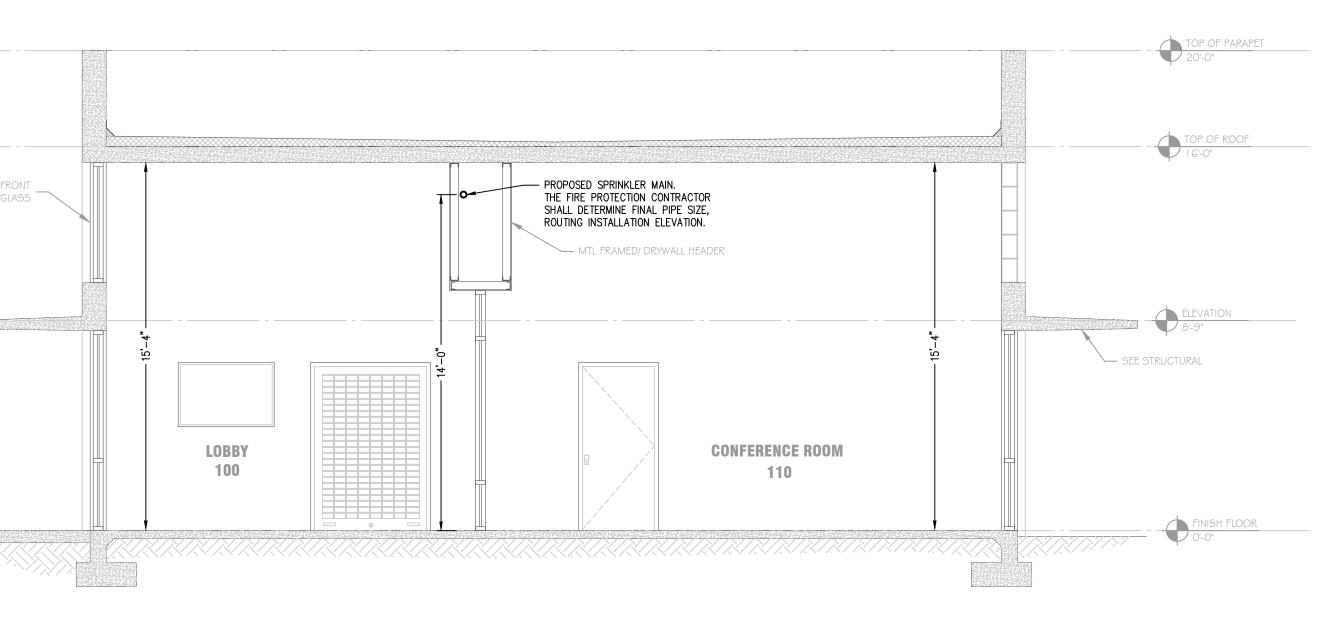


Architect 863 673 6814   Michael Facundo Architect 239 503 4333
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CASA DE AMIGOS LEASING BUILDING IMMOKALEE, FLORIDA
FIRE PROTECTION FLOOR PLAN
PROJECT No.         DRAWN         CHECKED         DATE         O9-27-2021         SCALE         I/4"=1'-0"         ISSUE
No.       DATE       DESCRIPTION
FP1.00

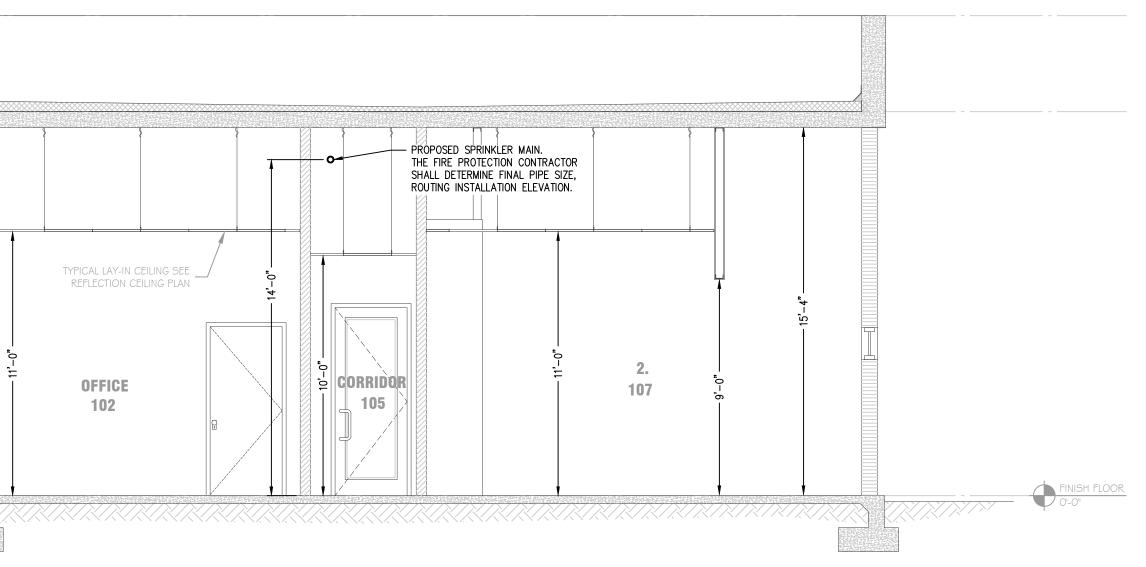
TOP OF PARAPET TOP OF ROOF STOREFRONT ALUM/GLASS ELEVATION 8'-9"

FINISH FLOOR

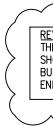
FINISH FLOOR \_\_\_\_\_



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



# **BUILDING SECTION 2 / FP2.00**



# FIRE PROTECTION BUILDING SECTIONS



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.

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