	NOA / F	Product Approval List		
ITEM	MANUFACTURER	DESCRIPTION	NOA NO.	EXPIRATION DATE
FIXED STOREFRONT	TRULITE	TRULITE FIXED STOREFRONT	NOA 20-0330.09	MARCH 31, 2025
METAL DOOR	NEXT DOOR COMPANY	S-8080F OUTSWING STEEL ENTRANCE DOOR	NOA 18-0725.12	MAY 13, 2024
ENTRANCE DOOR	TRULITE	"351 SERIES" OUTSWING ALUMINUM ENTRANCE DOOR	NOA 20-0424.01	JUNE 04, 2025
AUTOMATIC SLIDING DOOR	STANLEY ACCESS TECHNOLOGIES LLC	SERIES "DURA STORM" ALUMINUM AUTOMATIC SLIDING GLASS DOOR	NOA 22-0830.10	APRIL 04, 2028
METAL ROOF	PETERSON ALUMINUM CORPORATION	SNAP-CLAD 0.040" (MIN.) X 12" THRU 18" WIDE ALUMINUM PANEL OVER WOOD DECK	NOA 22-1104.12	APRIL 18, 2028
RAIN SCREEN	COSENTINO	SERIES "DEKTON" ULTRA COMPACT COMPOSITE PANEL	NOA 19-0227.02	MAY 30, 2024
LOW SLOPE ROOF	GAF	SINGLE PLY ROOF SYSTEM	FL16730-R29	-
FOUNDATION WATERPROOFING	MAPEI	FOUNDATION WATERPROOFING	CR1R-1A	-
FOUNDATION WATERPROOFING CROS	MAPEI	FOUNDATION WATERPROOFING CROSS SECTION	CR1S-1B	-
DRAINAGE MAT	MAPEI	DRAINAGE COMPOSITE MAT WITH WOVEN FILTER FABRIC AND PROTECTIVE FILM	MAPEDRAIN 35	-
COLD FLUID APPLIED WATERPROOFING	MAPEI	COLD FLUID APPLIED WATERPROOFING MEMBRANE	PLANISEAL CR1	-
PLANK PAVERS	TREMRON	4"X16" 2-3/8" THICK 101 SF PER CUBE	-	-

LEED Note

THIS PROJECT IS PURSUING LEEDV4 BD+C: NEW CONSTRUCTION AND MAJOR RENOVATIONS CERTIFICATION. THE GENERAL CONTRACTORS AND ALL SUBCONTRACTORS SHALL REVIEW ALL LEED SPECIFICATIONS AND REQUIREMENTS THROUGHOUT THE CONSTRUCTION DOCUMENTS AND COORDINATE THE REQUIREMENTS WITH THEIR BIDS. ALL CONTRACTORS WITH SCOPE CONTRIBUTING TOWARDS THE LEED REQUIREMENTS SHALL BE RESPONSIBLE FOR INCORPORATING, DOCUMENTING AND EXECUTING ALL ACTIVITIES AS DIRECTED BY SECTION 018113 SUSTAINABLE DESIGN REQUIREMENTS OF SHEETS LD1.0, LD1.1, LD1.2, AND LD1.3 FROM THE LEED SHEETS ("LD") FOR FURTHER

AN INDEPENDENT COMMISSIONING AGENT HAS BEEN RETAINED TO ENSURE THAT THIS PROJECT IS COMPLETED ACCORDING TO OWNER REQUIREMENTS. COMMISSIONED SYSTEMS SHALL INCLUDE HVAC, LIGHTING / LIGHTING CONTROL, AND DOMESTIC HOT WATER. ALL CONTRACTORS WITH SCOPE FOR THESE SYSTEMS SHALL BE RESPONSIBLE FOR CARRYING OUT TESTING ACTIVITIES AS DIRECTED BY COMMISSIONING AGENT. SEE THE PROJECT COMMISSIONING PLAN FOR FURTHER INFORMATION. ALL CONTRACTORS WITH SCOPE CONTRIBUTING TOWARDS THE COMMISSIONING REQUIREMENTS SHALL BE RESPONSIBLE FOR DOCUMENTING AND EXECUTING ALL ACTIVITIES AS DIRECTED BY SECTION 019113 COMMISSIONING FUNDAMENTAL REQUIREMENTS OF SHEETS LD1.0, LD1.1, LD1.2, AND LD1.3 FROM THE LEED SHEETS ("LD") FOR FURTHER INFORMATION.

Building Area Limitations

CONSTRUCTION TYPE: OCCUPANCY CLASSIFICATION: A-3

SQUARE FOOTAGE ALLOWED: 38,000 SF

SQUARE FOOTAGE PROVIDED: 15,783 SF

(PER FBC TABLE 506.2)



CIVIL ENGINEER: ALPHA CONSTRUCTION AND ENGINEERING CORPORATION 21000 ATLANTIC BLVD

LANDSCAPE ARCHITECT:
GARDNER + SEMLER LANDSCAPE ARCHITECTURE

DULLES, VA 20166

ph: 305-392-1016

MIAMI, FL 33156

PH: 305-670-0141

PH: 305-969-9423

PH: 561-801-7576

17670 NW 78TH AVE SUITE 214 MIAMI, FL 33015

MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEER: LOUIS J. AGUIRRE & ASSOCIATES, P.A.

CONSULTING ENGINEERS 9150 S DADELAND BLVD

STRUCTURAL ENGINEER: YOUSSEF HACHEM CONSULTING ENGINEERING

99 NW 27TH AVENUE MIAMI. FL 33125

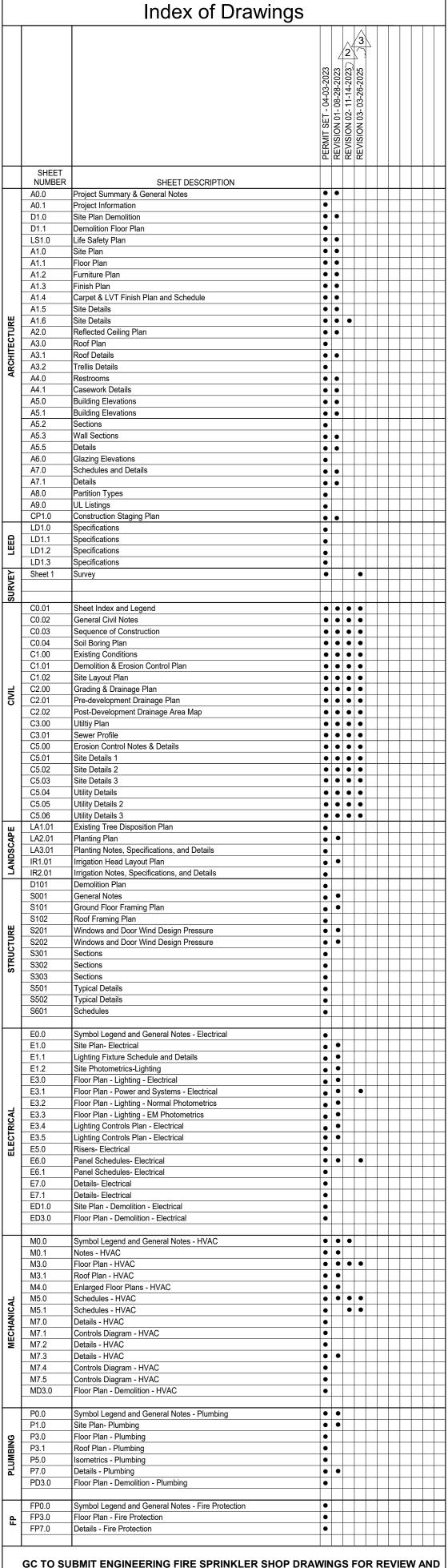
LEED CONSULTANT: SPINNAKER GROUP 1409 GEORGIA AVENUE

WEST PALM BEACH, FL 33401









GC TO SUBMIT ENGINEERING FIRE SPRINKLER SHOP DRAWINGS FOR REVIEW AND APPROVAL. GC'S SUBCONTRACTOR TO BECOME ENGINEER OF RECORD FOR FIRE PROTECTION WHEN SUBMITTAL IS APPROVED

Legal Description

TRACT P-55, OF MIAMI LAKES WINDMILL GATE SECTION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 103 AT PAGE 41 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

Project Summary

PROPOSED SCOPE OF WORK: EXTERIOR AND INTERIOR IMPROVEMENT OF EXISTING LIBRARY

* EXTERIOR IMPROVEMENTS INCLUDE ADDITIONAL BUILDING SQUARE FOOTAGE, IMPROVED FAÇADE, NEW ROOF NEW WINDOWS, NEW COURTYARD, NEW LANDSCAPE AND IRRIGATION * INTERIOR IMPROVEMENTS INCLUDE UPDATING AND RECONFIGURING THE EXISTING LIBRARY INTERIOR

2020 FLORIDA BUILDING CODE, BUILDING, 7TH EDITION: -CHAPTER 3, USE AND OCCUPANCY CLASSIFICATION:

-CHAPTER 5, GENERAL BUILDING HEIGHTS AND AREAS:

GROUP A-3 ASSEMBLY: LIBRARY GROUP B: BUSINESS (ACCESSORY TO LIBRARY) GROUP S-1: STORAGE (ACCESSORY TO LIBRARY/OFFICE)

SECTION 907: THE BUILDING IS EQUIPPED WITH A FIRE ALARM SYSTEM

CONSTRUCTION TYPE III-B, 1-STORY -CHAPTER 9, FIRE PROTECTION SYSTEMS: SECTION 903: THE BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

2020 FLORIDA BUILDING CODE, EXISTING BUILDING, 7TH EDITION: -SECTION 301.3 ALTERATION, CHANGE OF OCCUPANCY, ADDITION OR RELOCATION METHOD: 301.3.2 WORK AREA COMPLIANCE METHOD -CHAPTER 6, CLASSIFICATION OF WORK:

2020 FLORIDA FIRE PREVENTION CODE, 7TH EDITION: -CHAPTER 43, BUILDING REHABILITATION: 43.2.2.1.4 RECONSTRUCTION

SECTION 603, ALTERATION - LEVEL 2

OCCUPANCY: ASSEMBLY(LIBRARY), GROUPS: A-3, B, S-1

ALTERATION - LEVEL 2 PER FBC - EXISTING BUILDINGS SECTION 504

RECONSTRUCTION - PER REHAB CLASSIFICATION 2020 7TH EDITION, CHAPTER 43

EXISTING 1-STORY BUILDING, CONSTRUCTION TYPE III-B

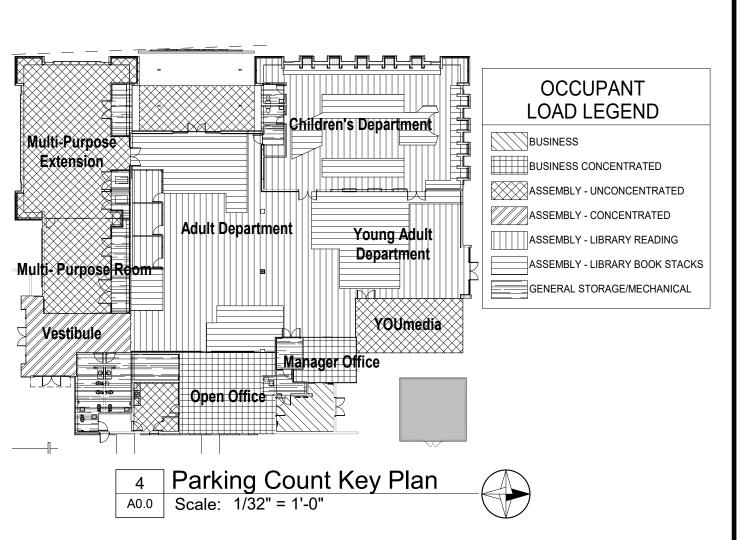
SPACE IS TO BE VACANT DURING CONSTRUCTION OF SCOPE OF WORK

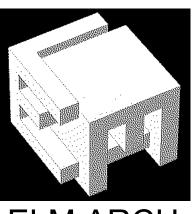
Occupar	icy and	d Occi	ipant Load	
BUILDING AREA:	•		15,783 SF	
GROUP A-3 ASSEMBLY:			12,536 SF	
GROUP B BUSINESS (ACCESSORY TO L)	BRARY):		306 SF	
GROUP S-1 STORAGE (ACCESSORY TO	LIBRARY/O	FFICE):	1,474 SF	
OCCUPANT LOAD:			490 PEOPLE	
BUSINESS:	396	SF	3 PEOPLE	1 PER 150
BUSINESS CONCENTRATED:	1,770		35 PEOPLE	1 PER 50
ASSEMBLY - UNCONCENTRATED:	3,356	\$F	224 PEOPLE	1 PER 15
(INCLUDES 742SF OUTDOOR PATIO)				
ASSEMBLY - CONCENTRATED:	565	SF	81 PEOPLE	1 PER 7
ASSEMBLY - LIBRARY READING:	5,454	SF	110 PEOPLE	1 PER 50
ASSEMBLY - LIBRARY BOOK STACKS:	3,161	SF	32 PEOPLE	1 PER 100
GENERAL STORAGE/MECHANICAL:	1,474	SF	5 PEOPLE	1 PER 300
EXTERIOR WALLS	303	SF	0 PEOPLE	

OCCUPANT LOAD IS PER A BLENDED REVIEW OF FBC-BUILDING TABLE 1004.5 AND FFPC, NFPA 101 TABLE 7.3.1.2

			Plun	nbing F	ixture (Count			
MINIMUM	NUMBER OF	FIXTURES REC	UIRED IS PE	R FBC-PLUA	IBING TABLE	403.1, AN	D MULTIPLE	OCCUPANCIES	
	UŞE	MA	ŁE	FEM	ALE	ŲNI	IŞEX	DRINKING	SERVICE
ASS	SEMBLY	wc	LAV	WC LAV		WC	LAV	FOUNTAIN	SINK
LII	BRARY	1 PER 125	1 PER 200	1 PER 65	1 PER 200			1 PER 500	
TOTAL	447								
MEN	224	1.79	1.12	3.45	1.12			0.89	
WOMEN	224								
	USE	MA	LE.	FEM	ALE	UNI	SEX	DRINKING	SERVICE
		WC	LAV	WC	LAV	WC	LAV	FOUNTAIN	SINK
	SINESS ROUP B	1:25 FOR FIRST 50, THEN 1:50	1:40 FOR FIRST 80, THEN 1:80	1:25 FOR FIRST 50, THEN 1:50	1:40 FOR FIRST 80, THEN 1:80			1 PER 100	
TOTAL	39								
MEN	20	0.80	0.50	0.80	0.50			0.39	
WOMEN	20								
	USE	MA	LE	FEM	ALE	UNI	SEX	DRINKING	SERVICE
ST	ORAGE	WC	LAV	wc	LAV	WC	LAV	FOUNTAIN	SINK
GR	OUP S-1	1 PER 100	1 PER 100	1 PER 100	1 PER 200			1 PER 1000	
TOTAL	5								
MEN	3	0.03	0.93	6.03	0.03			0.91	
WOMEN	3								

** 403.1.2SINGLE-USER TOILET FACILITY AND BATHING ROOM FIXTURES. THE PLUMBING FIXTURES LOCATED IN SINGLE-USER TOILET FACILITIES AND BATHING ROOMS, INCLUDING FAMILY OR ASSISTEDUSE TOILET AND BATHING ROOMS THAT ARE REQUIRED BY THE FLORIDA BUILDING CODE, ACCESSIBILITY, SHALL CONTRIBUTE TOWARD THE TOTAL NUMBER OF REQUIRED PLUMBING FIXTURES FOR A BUILDING OR TENANT





8950 SW 74TH Court

Miami, FL 33156 786-391-2646

Suite 1204

Qualifier: Erik Lloyd Myers State of Florida: AR 93574 Sign & Seal: Erik Lloyd Myers

State of Florida: AR 93574

OWNER:

ranch es

ak(330) Miami Lakes,

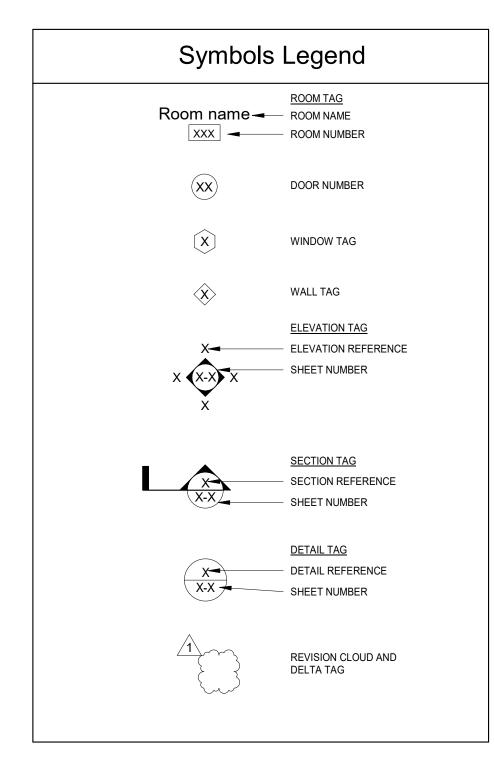
> REVISION COMMENTS BD COMMENTS 11-14-23 03-26-25 REVISION

DATE

04-03-2023 PROJECT NUMBER 19119

SHEET NUMBER

A0.0



Accessible Requirements per 2020 Florida Building Code-Accessibility, 7th Edition <u>LAVATORIES AND SINKS:</u> 1. SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF DOOR NOTES: 1. THE FLOOR LEVEL ON BOTH SIDES OF THE 13 1/2" MIN. <u>URINALS:</u>SHALL BE STALL-TYPE OF WALL-HUNG TYPE THE RIM OR COUNTER SURFACE 34" A.F.F WITH THE RIM 17" A.F.F. DOORWAY SHALL BE MAINTAINED FOR THE 2. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN SHALL BE 13 1/2" DEEP MIN. MEASURED WIDTH OF THE DOOR, MINIMUM PER FFPC FOR 10 SECONDS MINIMUM FROM THE OUTER FACE OF THE URINAL RIM 3. KNEE AND TOE CLEARANCES APPLY 2. THE LEVEL OF FLOOR ELEVATION ON BOTH TO THE BACK OF THE FIXTURE. 4. MIRRORS LOCATED ABOVE LAVATORIES SHALL BE SIDES OF THE DOOR SHALL NOT VARY BY INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING MORE THAN 1/2" PER FFPC 101-7.2.1.3. SURFACE 40" A.F.F 5. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OUTSIDE DIAMETER SHALL BE 1 1/4" MIN AND OR ABRASIVE SURFACE UNDER LAVATORIES AND SINKS. THE SPACE BETWEEN WALL AND THE GRAB BAR SHALL BE 1 1/2" THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MIN THE SPACE BETWEEN THE GRAB BAR AND FRONT APPROACH, PULL SIDE: PROJECTING OBJECTS ABOVE SHALL BE 12" GRAB BARS SHALL BE INSTALLED HORIZONTALLY AT 33" MIN. AND 36" MAX. A.F.F. TO THE TOP OF THE GRIPPING KNEE CLEARANCE: 1. SHALL BE SPACE UNDER AN ELEMENT BETWEEN 9" AND DRINKING FOUNTAIN: 1. SPOUT OUTLETS SHALL BE 36" A.F.F. 2. SPOUT SHALL BE LOCATED 15" MIN. FROM THE VERTICAL 2. SHALL EXTEND 25" MAX. UNDER AN ELEMENT AT 9" SUPPORT AND 5" MAX. FROM THE FRONT EDGE OF THE TOILET PAPER DISPENSER: OUTLET OF THE DISPENSER SHALL BE 15" 3. SHALL BE 11" DEEP MIN. AT 9" A.F.F AND 8" DEEP MIN. 3. SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN. AT 27" A.F.F AND SHALL BE LOCATED 5" MAX. FROM THE FRONT OF CONTROL E MIN AND 48" MAX A.F.F. THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE SHALL NOT BE LOCATED BEHIND GRAB MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS DISPENSERS SHALL NOT BE OF A TYPE THAT THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER CLOSET CONTROLS DELIVERY OR THAT DOES NOT WATER STREAM SHALL BE 30Ø MAXIMUM. WHERE ALLOW CONTINUOUS PAPER FLOW SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAX. FROM CLEAR FLOOR SPACE THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15Ø MAX. 6" MAX. 4. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38" MIN. AND 43" MAX. A.F.F. 1. ALL DIMENSIONS ARE CLEAR. FRONT APPROACH, PUSH SIDE: 5. A CUP CAN BE INSERTED UNDER THE FLOW OF WATER TO 2. DIAGRAMS ARE TYPICAL AND MAY BE TOE CLEARANCE: 1. SHALL BE SPACE UNDER AN ELEMENT BETWEEN THE PROVIDE A DRINK OF WATER FOR AN INDIVIDUAL WHO, MIRRORED OR ROTATED BASED ON THE BECAUSE OF A DISABILITY, WOULD OTHERWISE BE LAYOUT INDICATED ON THE FLOOR PLAN. FINISH FLOOR AND 9" A.F.F. INCAPABLE OF USING THE DRINKING FOUNTAIN. 3. SEE PLUMBING DRAWINGS FOR FIXTURE 2. SHALL EXTEND 25" MAX. UNDER AN ELEMENT 6. KNEE AND TOE CLEARANCES APPLY SCHEDULE SHALL EXTEND 17" MIN. UNDER THE ELEMENT 4. GC TO SUBMIT SHOP DRAWINGS OF ALL 4. IS NOT SPACE EXTENDING GREATER THAN 6" BEYOND ACCESSORIES AND FIXTURES FOR APPROVAL THE AVAILABLE KNEE CLEARANCE AT 9" ABOVE THE LAVATORY, DRINKING PRIOR TO ORDERING. FINISH FLOOR OR GROUND FOUNTAIN AND 5. SHALL BE 30" WIDE MINIMUM URINAL CLEAR FLOOR

General Notes and Specifications

- 1. ALL WORK IS TO CONFORM TO, 2020 FLORIDA BUILDING CODE(7th EDITION), 2020 FLORIDA FIRE PREVENTION CODE(7th EDITION), NFPA 1 AND NFPA 101 2018 EDITIONS, AHJ ZONING CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- 2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE TO FULLY INVESTIGATE AND CONFIRM ALL EXISTING MATERIALS, QUANTITIES, DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING THEIR BID. GC SHALL INCLUDE COSTS IN THEIR BID TO ACCOMMODATE ANY NOTED DISCREPANCIES TO PROPERLY COMPLETE THE INTENDED SCOPE OF WORK CONTAINED IN THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- 3. ALL MATERIALS PROVIDED FOR THE PROJECT SHALL BE NEW AND STORED IN SUCH A MANNER TO PROTECT THEM FROM DEMOLITION, CONSTRUCTION AND THE ELEMENTS.
- 4. ALL CONTRACTORS ARE TO KEEP THE JOB SITE CLEAN AT ALL TIMES.
- 5. DRAWINGS ARE PROVIDED FOR DESIGN INTENT ONLY. DO NOT SCALE DRAWINGS. EXISTING
- CONDITIONS PREVAIL OVER DIMENSIONS INDICATED IN THE CONSTRUCTION DOCUMENTS.

 6. ALL ELECTRICAL COVER PLATES, SMOKE DETECTORS, SWITCHES, RECEPTACLES, ETC. ARE TO BE SUBMITTED FOR APPROVAL.
- 7. PAINT ALL PARTITIONS, GYPSUM BOARD CEILINGS AND ALL OTHER GYPSUM BOARD OR PLASTER SURFACES WITHIN THE AREAS OF NEW WORK, UNLESS OTHERWISE SPECIFICALLY NOTED, WITH 1 COAT PRIMER COAT AND 2 COATS FINISH. PAINT MUST ACHIEVE ADEQUATE COVERAGE AND COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.

- 8. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE BEST PRACTICES OF THE CONSTRUCTION TRADE.
- 9. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
 10. DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH
- 11. ALL TRADE CONTRACTORS SHALL VERIFY ALL UTILITIES, AND PLACEMENT LOCATIONS OF

CONDITIONS, THE ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY, AND HIGHER

- PIPE CONDUIT, EQUIPMENT, DUCTWORK, ETC., PRIOR TO SUBMITTING THEIR BID.

 12. WHERE CONFLICTS EXIST OR VARIANCES EXIST BETWEEN THE DRAWINGS AND EXISTING
- COST SHALL BE INCLUDED IN THE BID PRICE. THE ARCHITECT WILL HAVE FINAL DECISION REGARDING ITEM AND MANNER IN WHICH WORK SHALL BE INSTALLED.

 13. WHERE POSSIBLE, SUBMITTALS SHALL BE ELECTRONIC VIA EMAILED PDF, OTHERWISE, SUBMIT TO THE ARCHITECT SIX SETS OF SHOP DRAWINGS, CUT SHEETS AND SAMPLES
- FOR APPROVAL OF ALL OBTAINED MATERIALS.

 14. SUPPORT WIRES FOR CEILINGS, SOFFITS, ETC. SHALL NOT BE CONNECTED TO ANY
- MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING, ETC.

 15. ALL DETAILS, SECTIONS, DIAGRAMS, ETC. ARE INTENDED TO BE TYPICAL AND SHALL BE
- CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE PROJECT.

 16. THE CONTRACTOR SHALL COORDINATE ALL INSPECTIONS BY BUILDING AUTHORITIES.

 COST OF SPECIAL INSPECTORS SHALL BE INCLUDED IN THE PROJECT COST IF

Accessibility Notes

ACCESSIBLE ROUTE TO BUILDING SHALL BE IN COMPLIANCE WITH 2020 FBC-ACCESSIBILITY SECTION 206, 402, 403, AND 406 SHALL REMAIN AS IS

PARKING COUNT, DIMENSIONS, LOCATION AND SIGNAGE FOR BUILDING SHALL BE IN COMPLIANCE WITH 2020 FBC-ACCESSIBILITY SECTION 502 SHALL REMAIN AS IS

Employee Lounge Notes

NO COOKING OR FOOD-PREP THROUGHOUT ANY EMPLOYEE LOUNGES IN THE PROJECT

8950 SW 74TH Court Suite 1204

Miami, FL 33156 786-391-2646 Qualifier: Erik Lloyd Myers

State of Florida: AR 93574

Sign & Seal: Erik Lloyd Myers
State of Florida: AR 93574

OWNER:

Lakes Branch Library

Miami Lakes Br

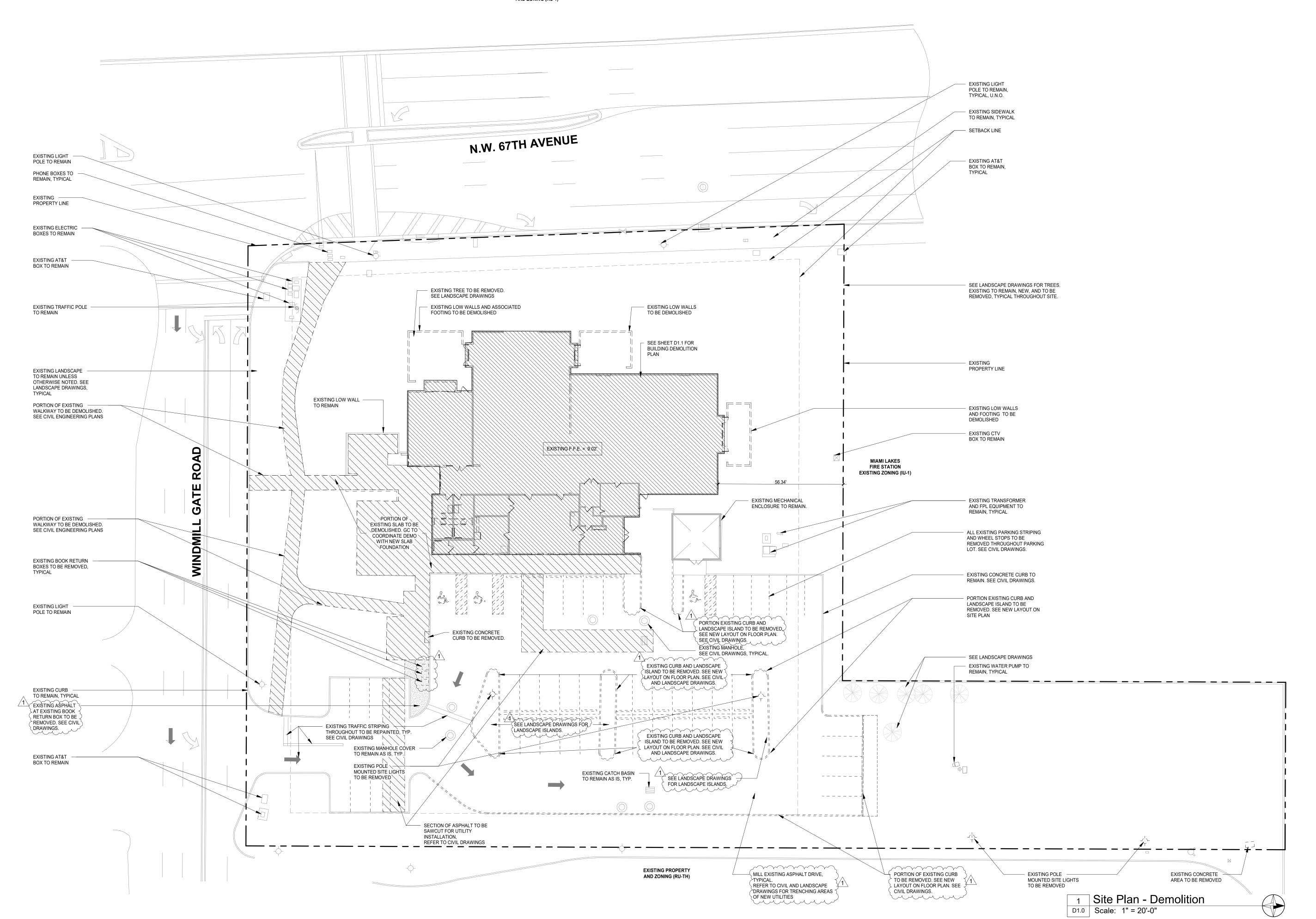
REVISION COMMENTS 08-28

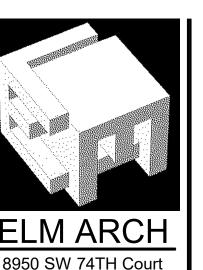
DATE

04-03-2023 PROJECT NUMBER 19119

SHEET NUMBER

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8950 SW 74TH Court Suite 1204 Miami, FL 33156 786-391-2646

State of Florida:

Sign & Seal: State of Florida: Erik Lloyd Myers AR 93574

OWNER:

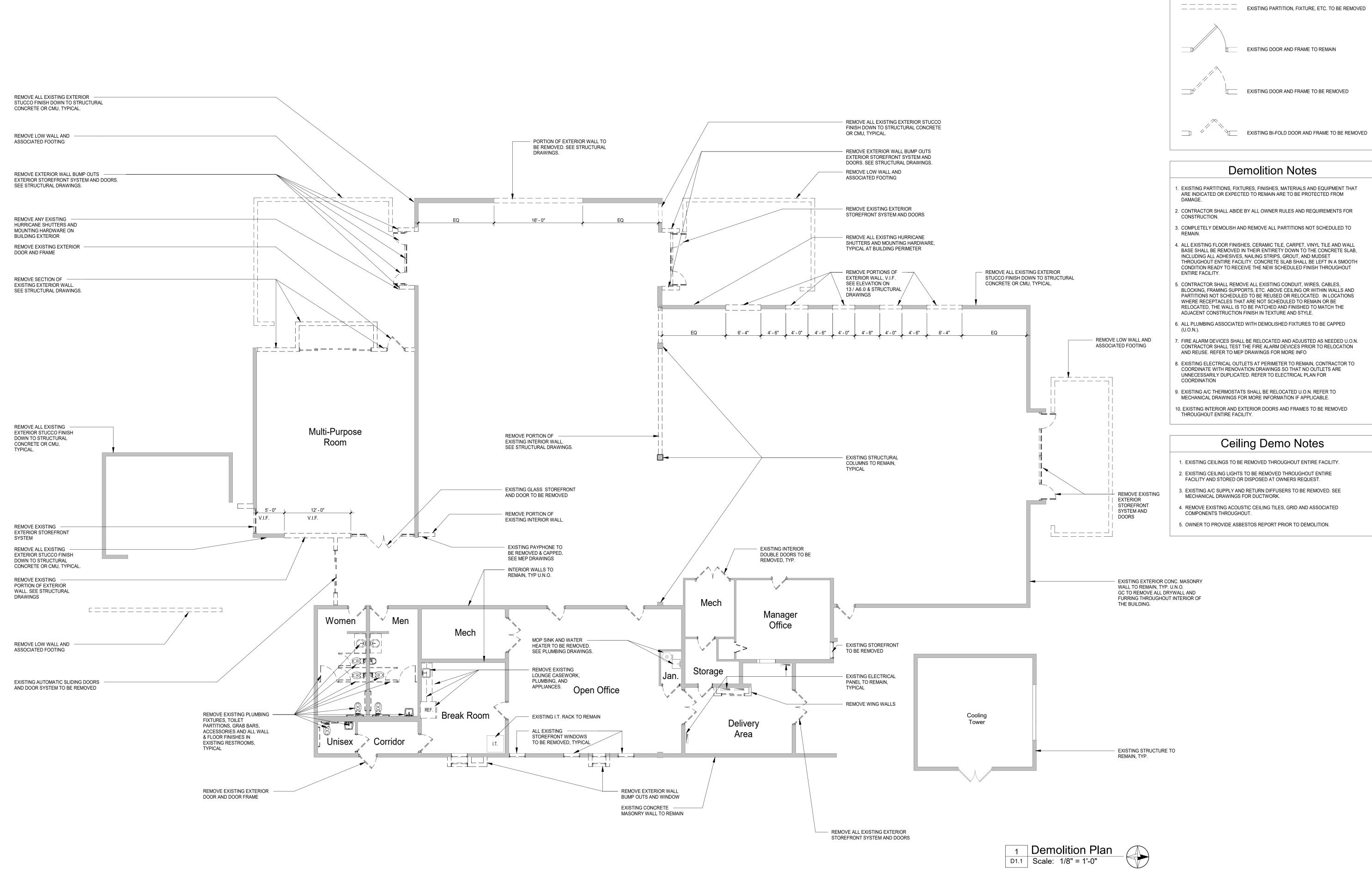
Branch

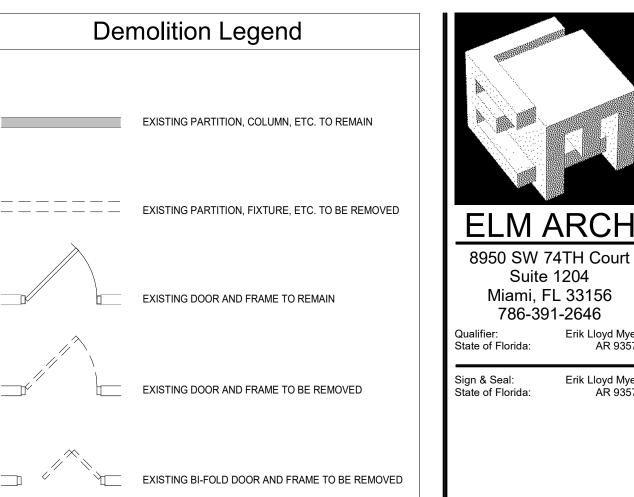
Lakes hill Gate Road s, FL 33014 Miami Lakes,

REVISION COMMENTS

DATE 04-03-2023 PROJECT NUMBER 19119

SHEET NUMBER





Branch Lakes hill Gate Road s, FL 33014 Miami Lakes,

Suite 1204 Miami, FL 33156

786-391-2646

Erik Lloyd Myers

Erik Lloyd Myers

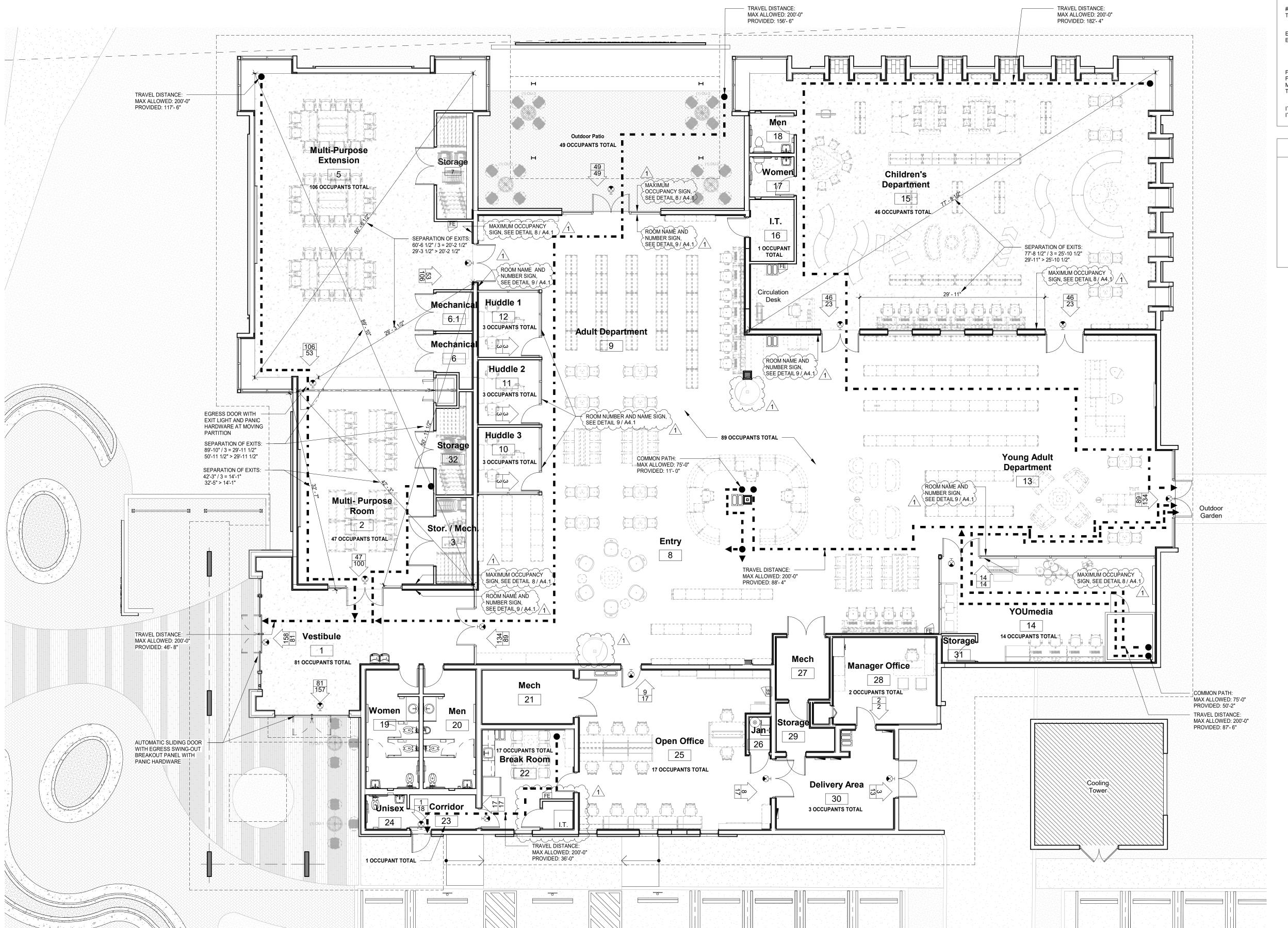
OWNER:

AR 93574

REVISION

DATE 04-03-2023 PROJECT NUMBER 19119

SHEET NUMBER



Legend COMMON PATH OF TRAVEL •----TRAVEL DISTANCE DIRECTION OF EGRESS -# OF OCCUPANTS TO EGRESS AT THIS LOCATION -# OF TOTAL OCCUPANTS WITHIN THE SPACE ---EXIT LIGHT, E DENOTES EXISTING, SEE ELECTRICAL DRAWINGS FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHER CABINET NOT TO PROJECT MORE THAN 4-INCHES FROM FINISHED WALL INTO THE CIRCULATION PATH ITEMS DENOTED WITH AN "E" ARE EXISTING TO REMAIN U.N.O. ITEMS DENOTED WITH AN "R" ARE RELOCATED U.N.O.

Life Safety	Notes
	ALLOWED:
TRAVEL DISTANCE: A-3: ASSEMBLY	200'-0"
COMMON PATH OF TRAVEL: A-3: ASSEMBLY	75'-0"
DEAD END CORRIDOR: A-3: ASSEMBLY	20'-0"
*THIS BUILDING <u>IS</u> EQUIPPED WI	TH A SPRINKLER SYSTEM
*THIS BUILDNG <u>IS</u> EQUIPPED WIT	TH A FIRE ALARM SYSTEM

1 Life Safety Floor Plan
LS1.0 Scale: 1/8" = 1'-0"

ELM ARCH

8950 SW 74TH Court
Suite 1204

Suite 1204
Miami, FL 33156
786-391-2646

Qualifier: Erik Lloyd Myers
State of Florida: AR 93574

Sign & Seal: Erik Lloyd Myers
State of Florida: AR 93574

OWNER:

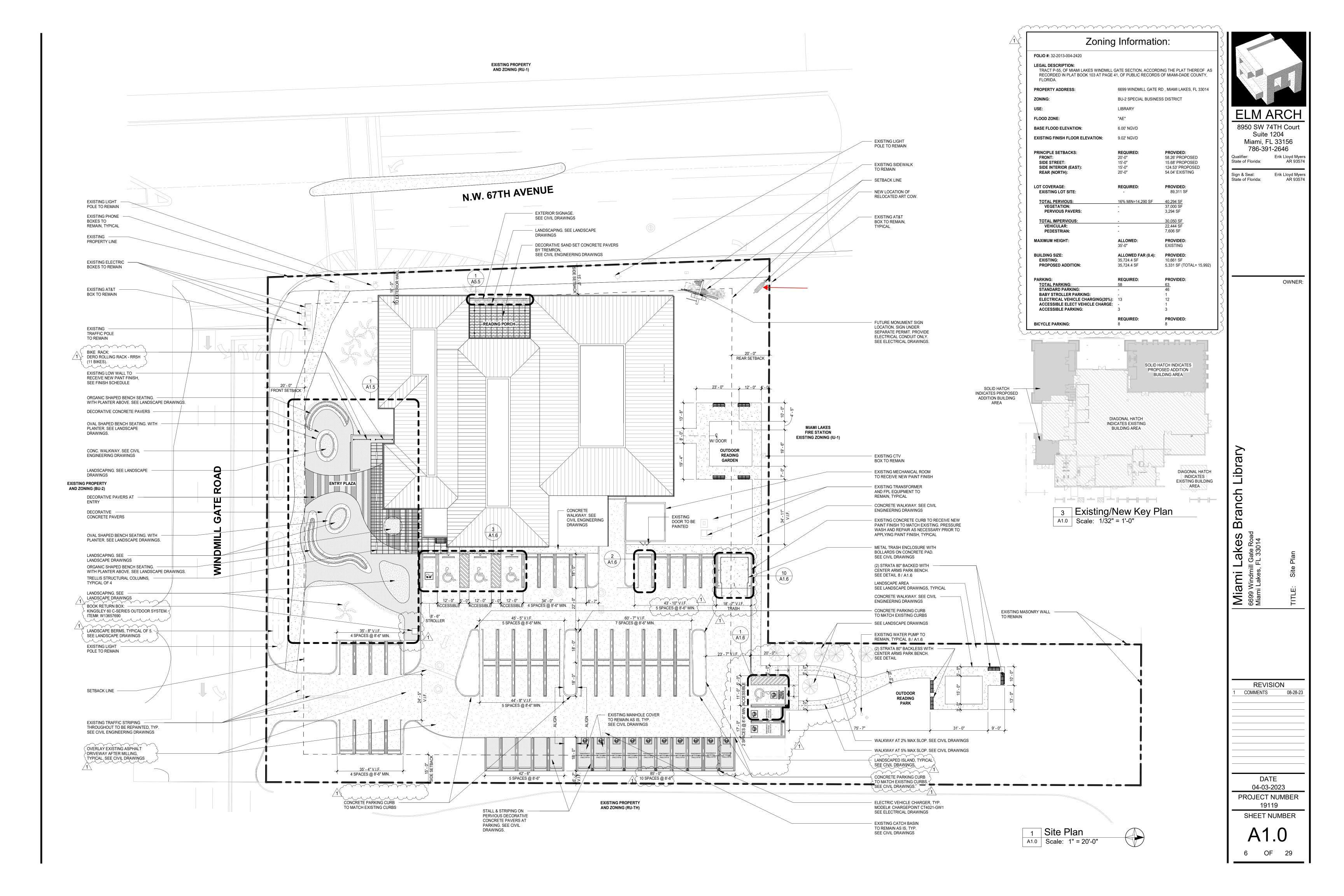
Miami Lakes Branch Library
6699 Windmill Gate Road
Miami Lakes, FL 33014

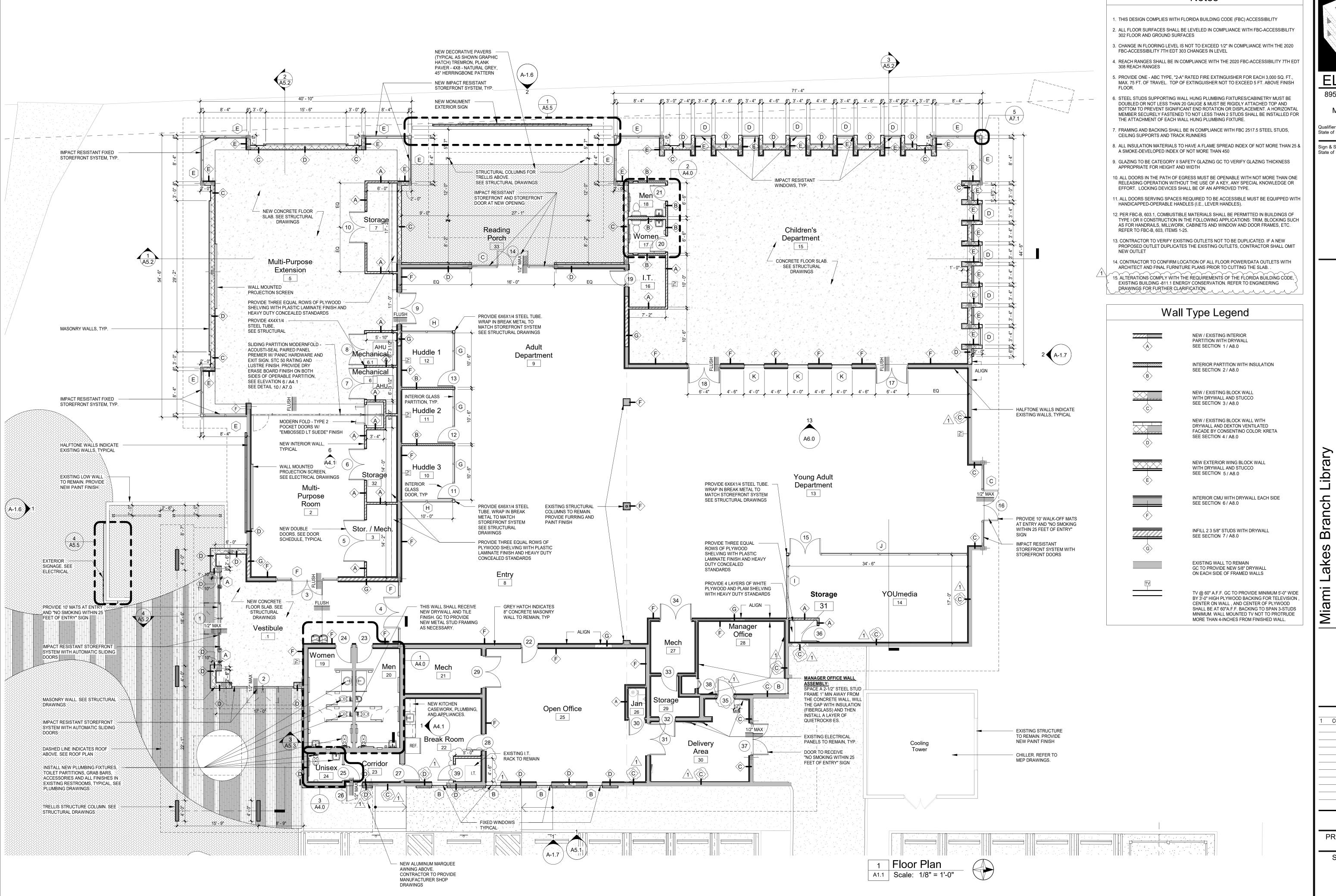
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DATE 04-03-2023 PROJECT NUMBER 19119

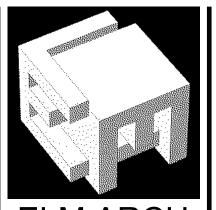
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Notes



ELM ARCH 8950 SW 74TH Court

> Suite 1204 Miami, FL 33156 786-391-2646

786-391-2646

alifier: Erik Lloyd Myers

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OWNER:

REVISION

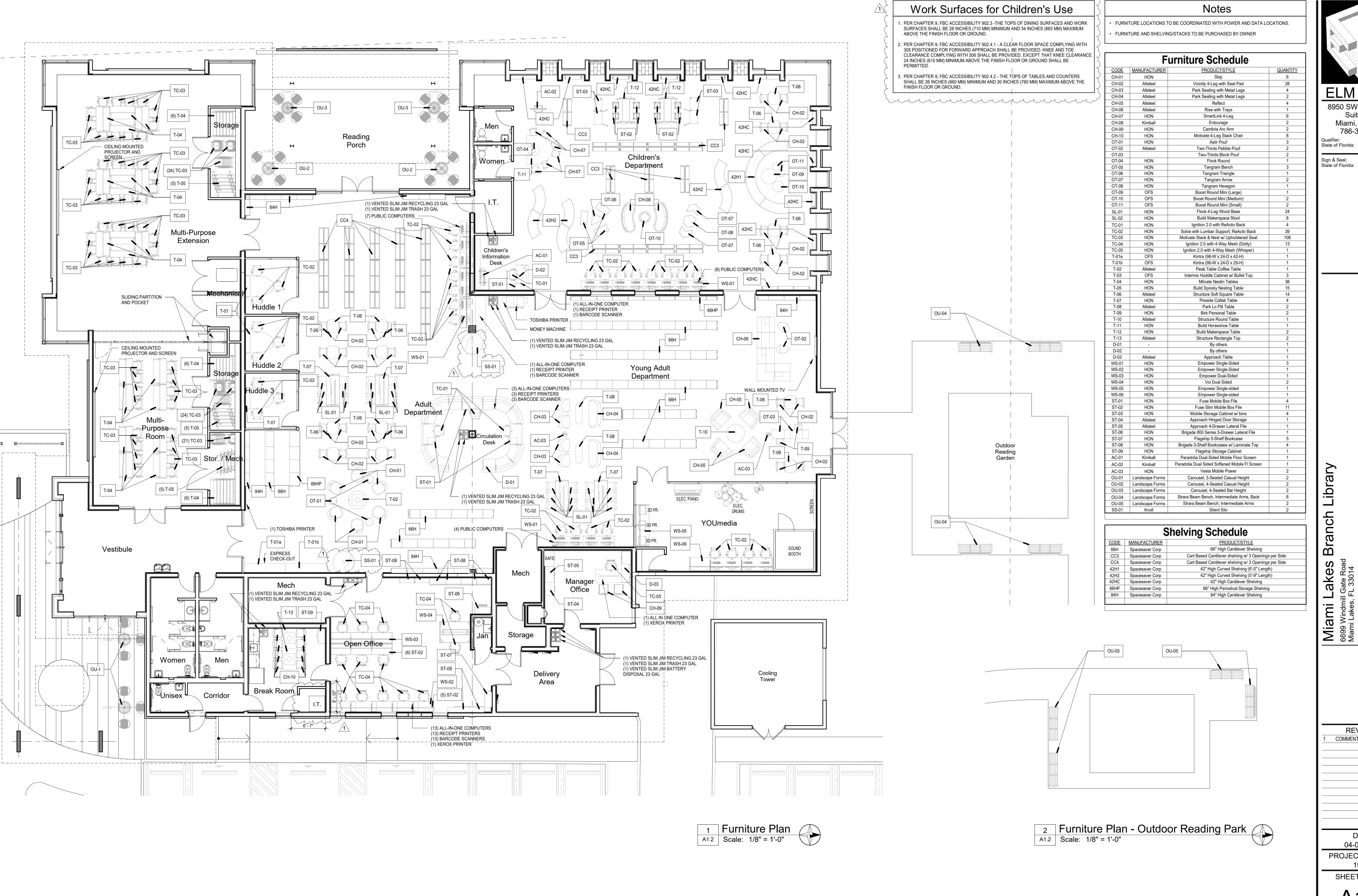
COMMENTS 08-28-23

04-03-2023 PROJECT NUMBER 19119

DATE

SHEET NUMBER

A I. I7 OF 29



8950 SW 74TH Court

Suite 1204 Miami, FL 33156 786-391-2646

Erik Lloyd Myers State of Florida: Sign & Seal: Erik Lloyd Myers

OWNER:

Branch

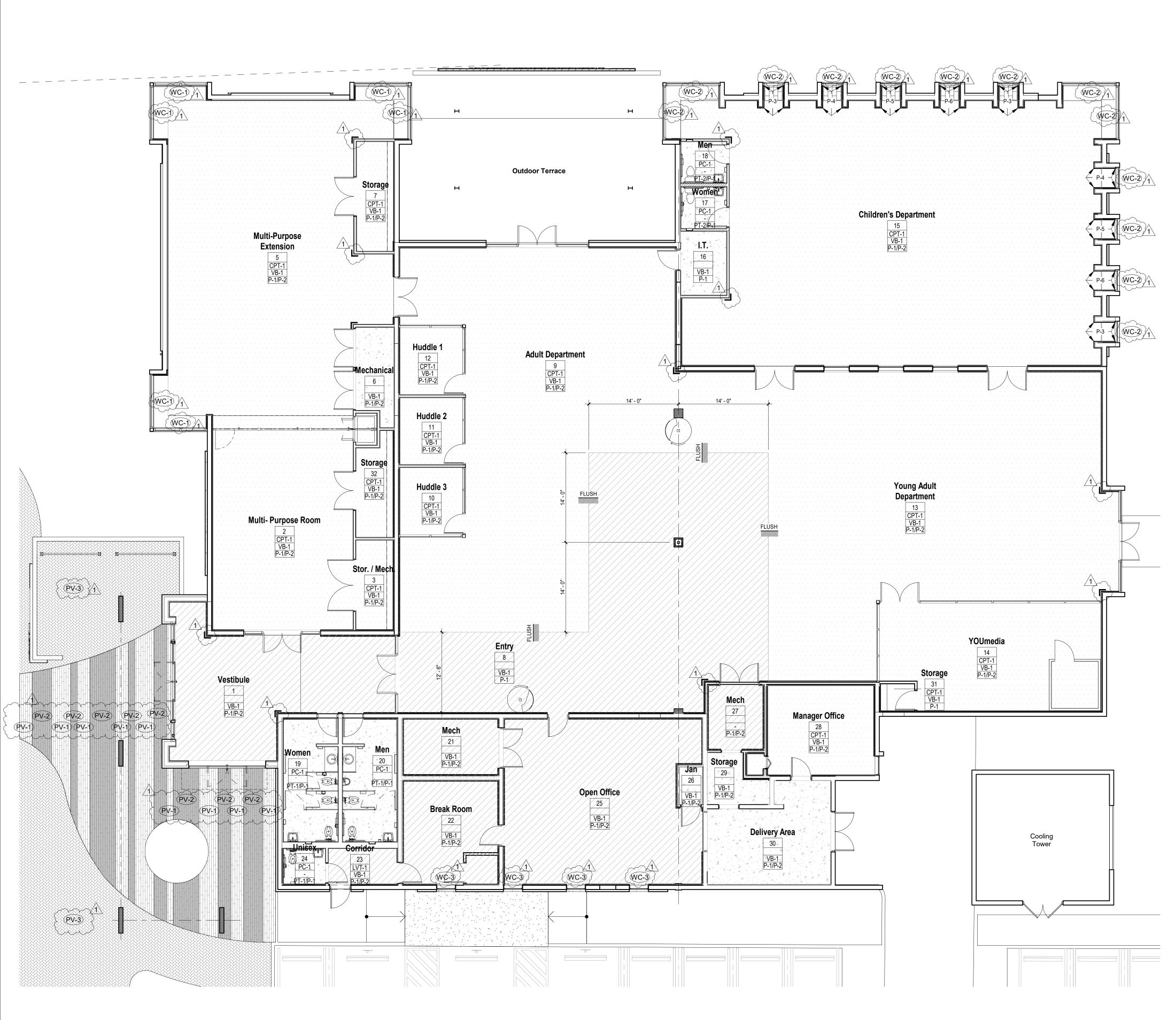
Lakes
ill Gate Road
FL 33014 Miami Lakes,

> REVISION COMMENTS

> > DATE 04-03-2023

PROJECT NUMBER 19119

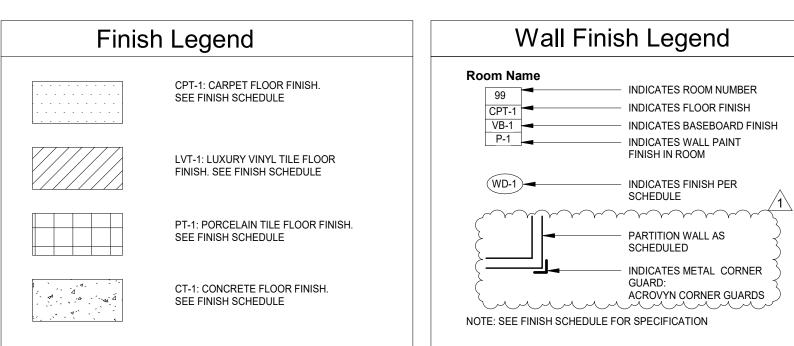
SHEET NUMBER A1.2



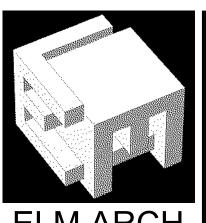


FINISH SCHEDULE

INTERIOR MATERIAL FINISH CLASSIFICATION										
	EXITS EXIT ACCESS CORRIDORS OTHER SPACES									
OCCUPANCY	WALL	CEILING	FLOOR	WALL	CEILING	FLOOR	WALL	CEILING	FLOOR	
BUSINESS	A/B	A/B	1/11	A/B	A/B	1/11	A/B	A/B	N/A	
STORAGE	A/B	A/B	N/A	A/B	A/B	N/A	A/B	A/B	N/A	
ASSEMBLY	В	В	N/A	В	В	N/A	С	С	N/A	



1 Finish Plan
A1.3 Scale: 1/8" = 1'-0"



8950 SW 74TH Court Suite 1204

786-391-2646 Erik Lloyd Myers State of Florida:

Miami, FL 33156

Sign & Seal: Erik Lloyd Myers State of Florida:

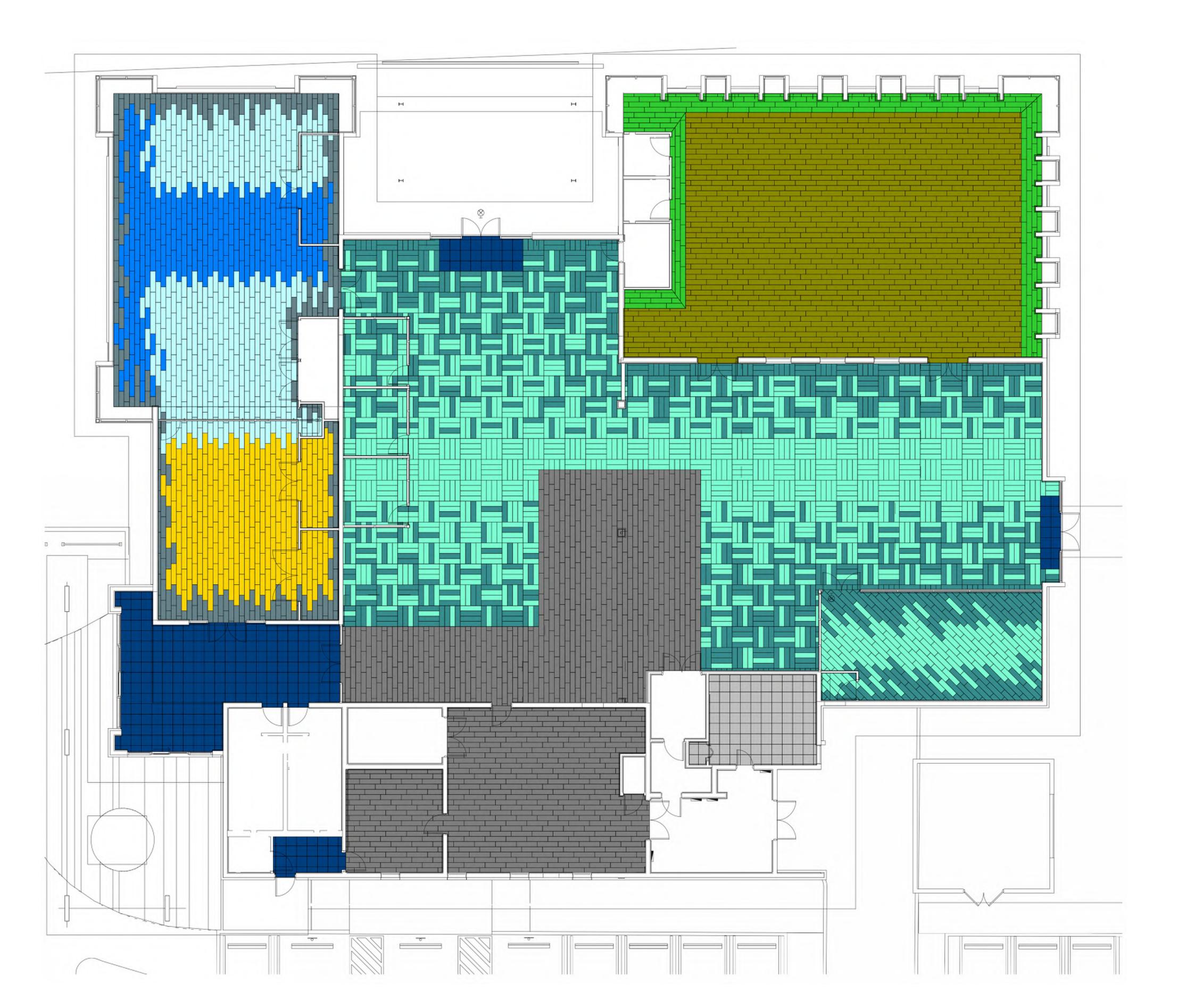
OWNER:

ary Branch Lakes II Gate Road FL 33014

530 WALLBOARD ASSEMBLY

> REVISION COMMENTS

DATE 04-03-2023 PROJECT NUMBER SHEET NUMBER







AE310 104625 GREIGE 50cm INSTALLED NON DIRECTIONAL CONFIGURATION 25cm x 1m INSTALLED ASHLAR AE317 105830 AQUAMARINE 25cm x 1m INSTALLED ASHLAR AE315 105817 MIST/AQUAMARINE 25cm x 1m INSTALLED ASHLAR GLISTEN 107231 IRON 25cm x 1m INSTALLED ASHLAR AGLOW 107256 TITANIUM LAGOON 25cm x 1m INSTALLED ASHLAR LUMINESCENT 107244 TITANIUM LAGOON 25cm x 1m INSTALLED ASHLAR AGLOW 107254 NICKEL GOLD 25cm x 1m INSTALLED ASHLAR AGLOW 107255 NICKEL IVY 25cm x 1m INSTALLED ASHLAR CONFIGURATION 25cm x 1m INSTALLED QUARTER TURN AE317 105830 AQUAMARINE 25cm x 1m INSTALLED QUARTER TURN AE315 105817 MIST/AQUAMARINE 25cm x 1m INSTALLED QUARTER TURN LVT CONFIGURATION 25cm x 1m INSTALLED ASHLAR STUDIO SET A00702 PEWTER 25cm x 1m INSTALLED ASHLAR STUDIO SET A00707 LIME 25cm x 1m INSTALLED ASHLAR SR899 104938 SMOKE 50cm INSTALLED MONOLITHIC

Sign & Seal: State of Florida:

Qualifier: State of Florida:

8950 SW 74TH Court

Suite 1204

Miami, FL 33156

786-391-2646

Erik Lloyd Myers AR 93574

Erik Lloyd Myers

CARPET VENDOR: INTERFACE
CONTACT: CHASITY FERRER (305.799.5819)

GC TO COORDINATE FINAL COLOR AND LAYOUT FOR APPROVAL WITH ARCHITECT PRIOR TO INSTALLATION. GC TO PROVIDE 20% ATTIC STOCK QUANTITY.

OWNER:

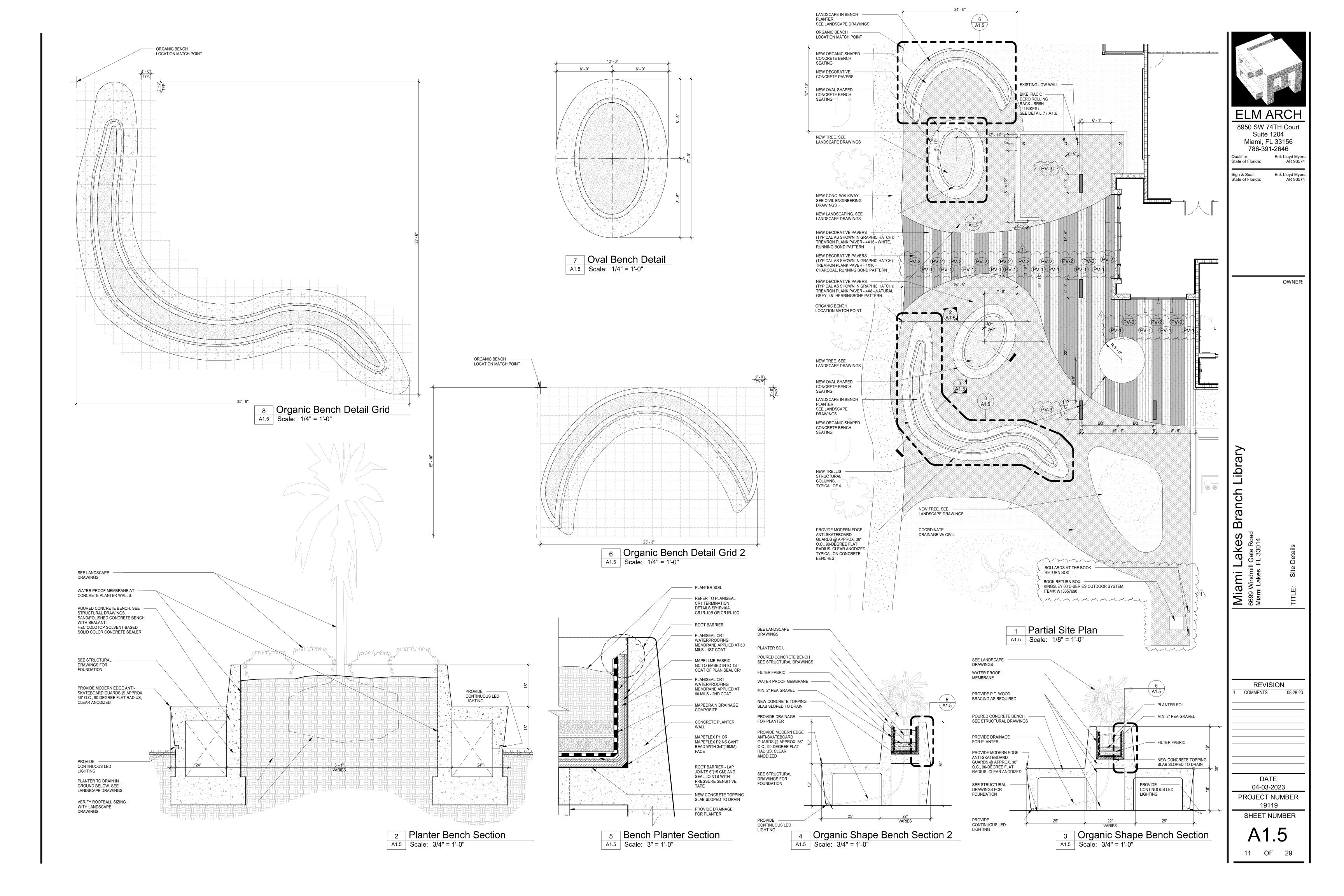
Miami Lakes Branch Libi

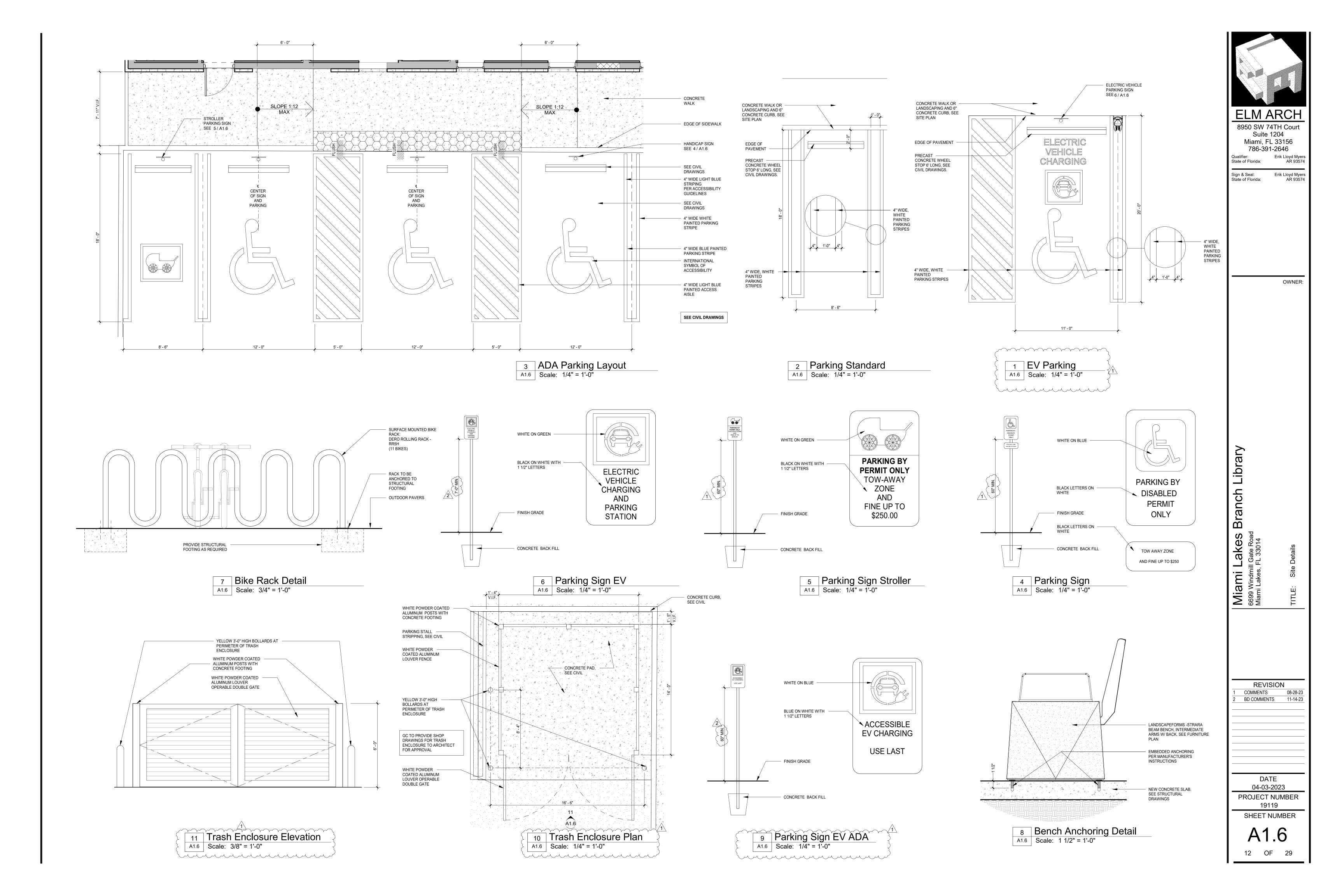
REVISION COMMENTS 08-28-23

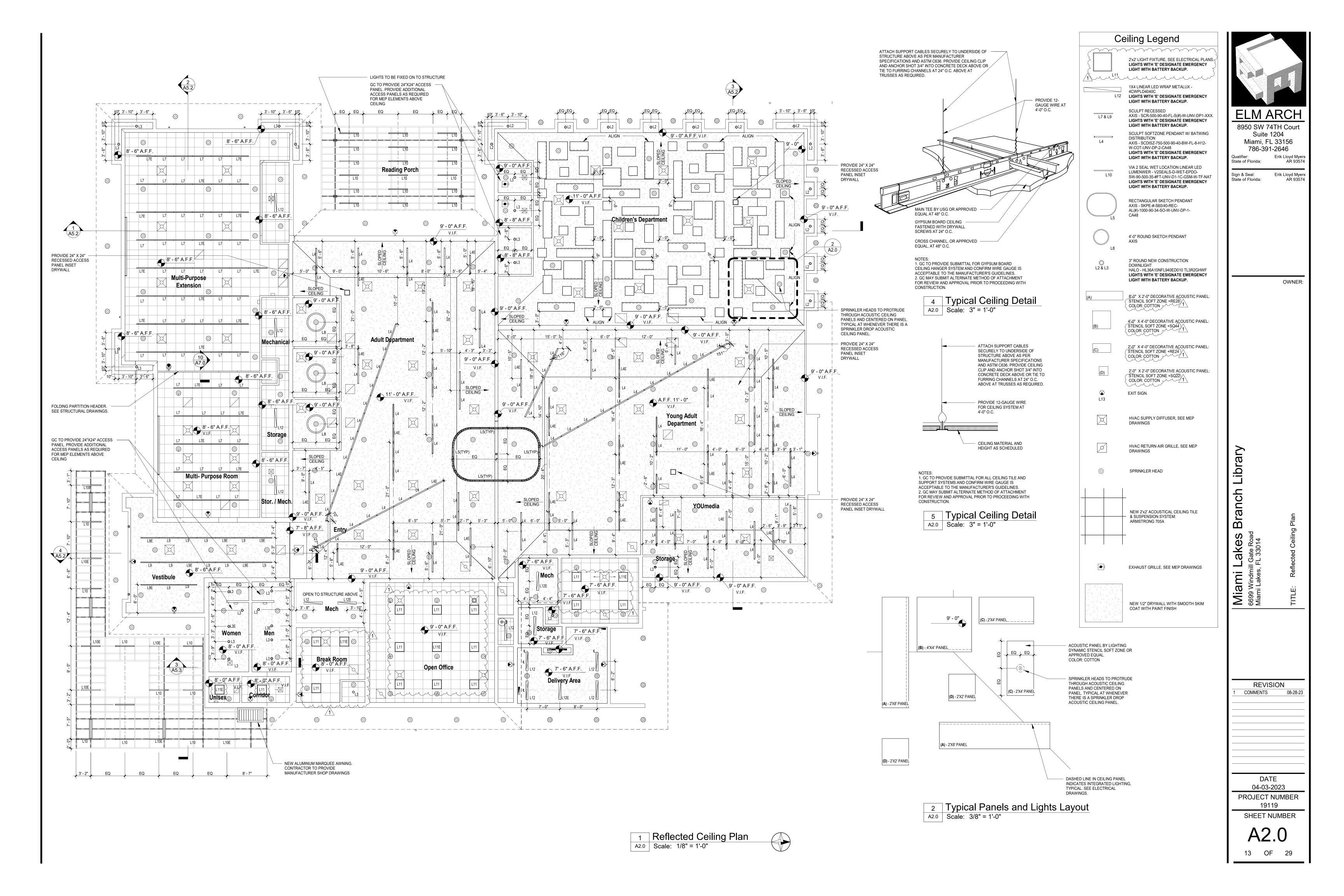
DATE 04-03-2023 PROJECT NUMBER

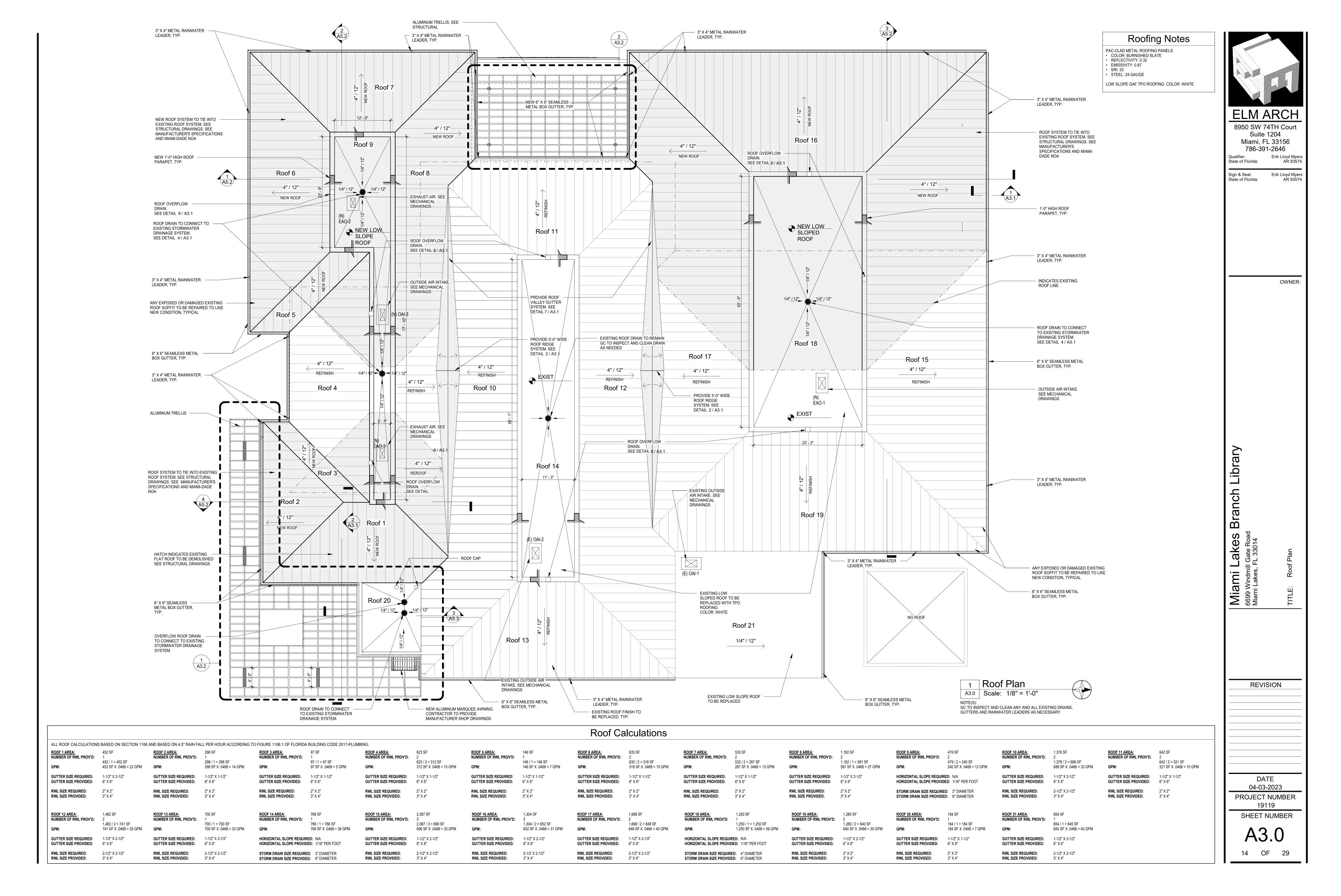
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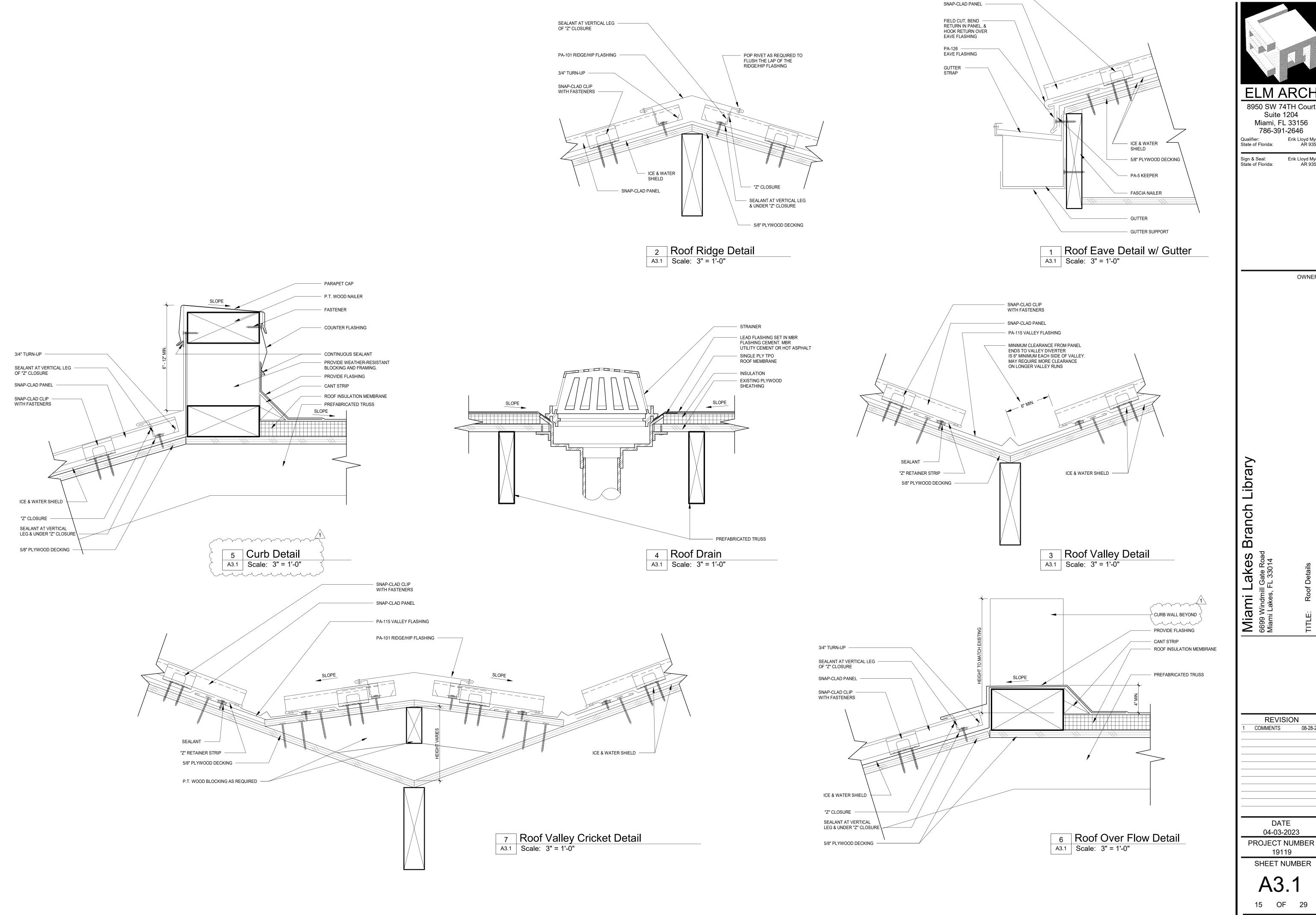
A1.4

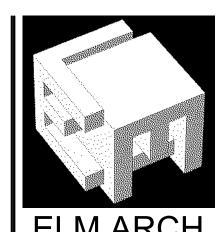












SNAP-CLAD CLIP — WITH FASTENERS

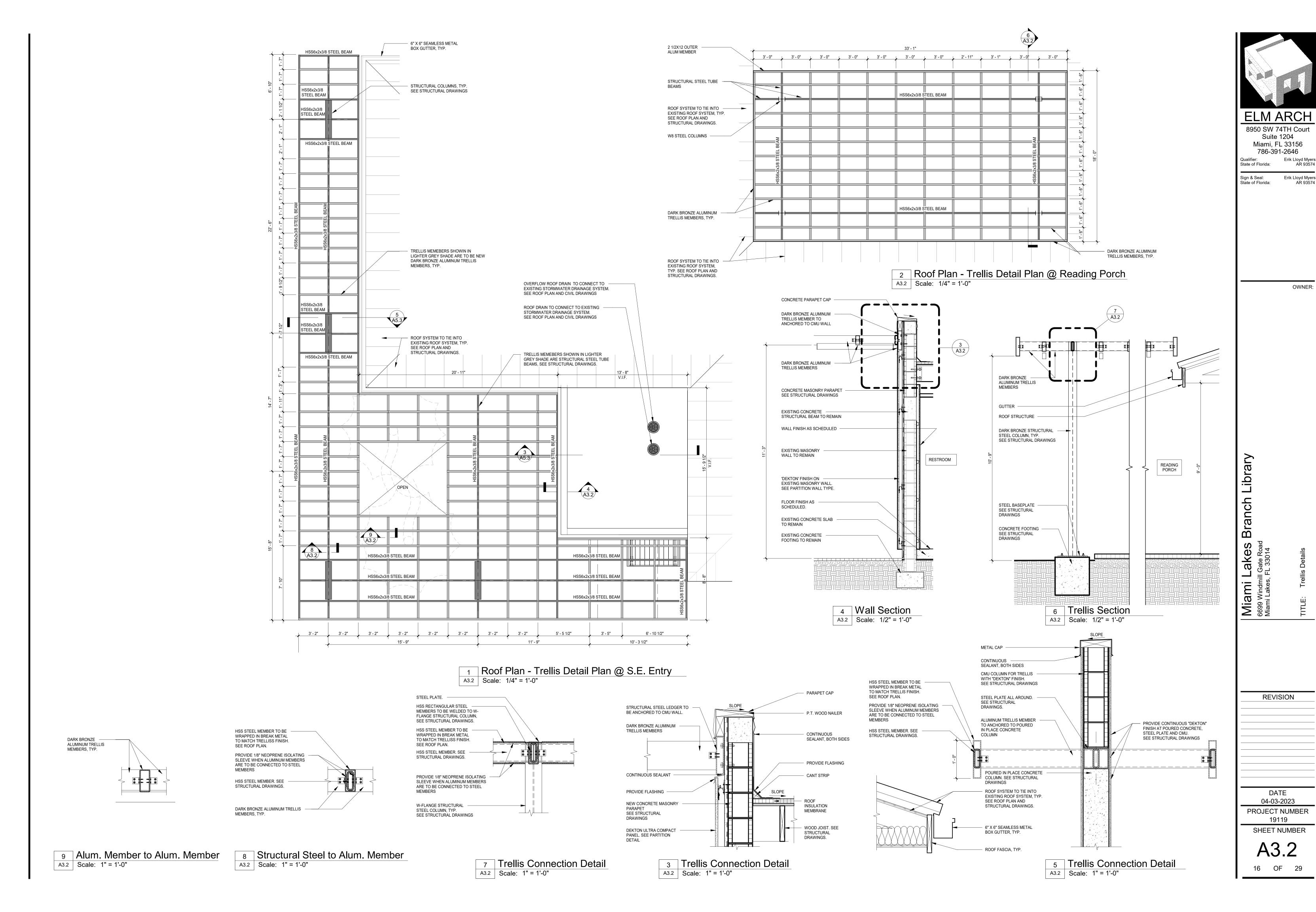
8950 SW 74TH Court Miami, FL 33156

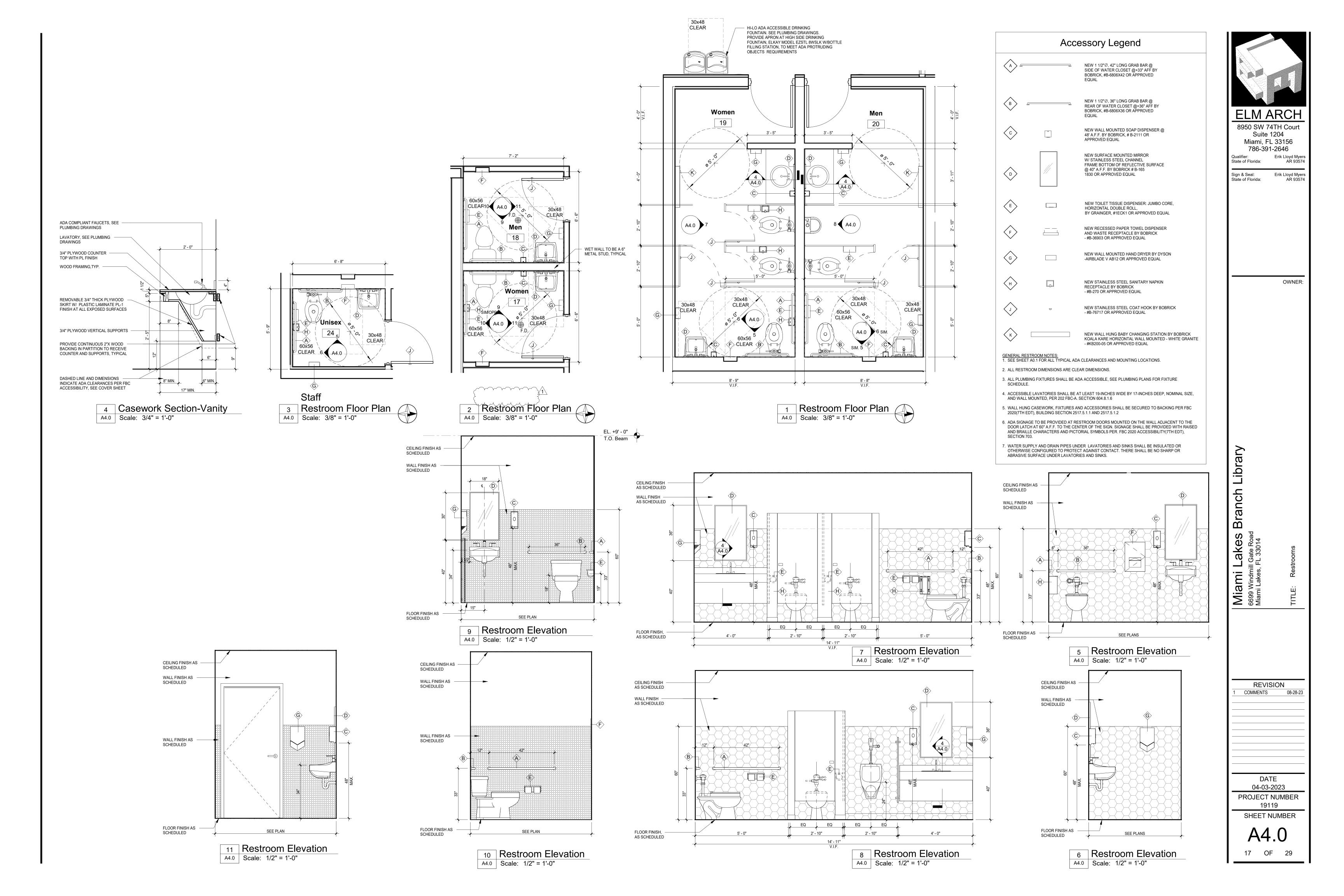
Erik Lloyd Myers AR 93574

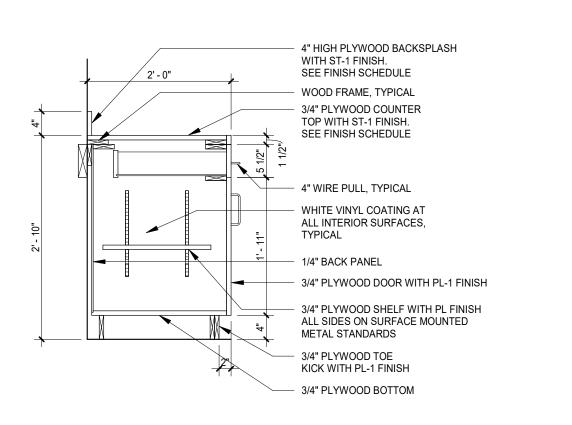
Erik Lloyd Myers

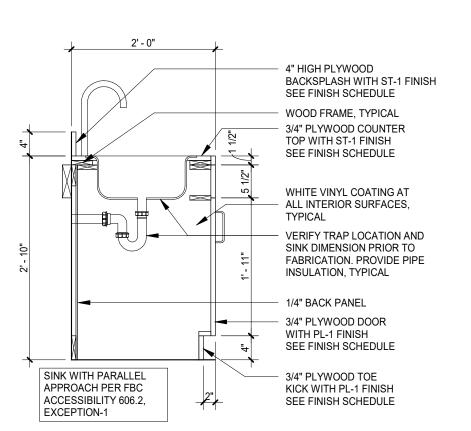
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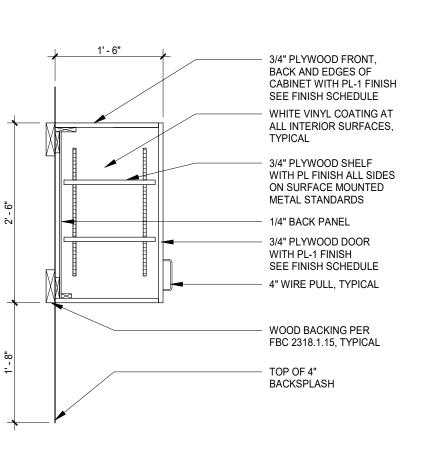
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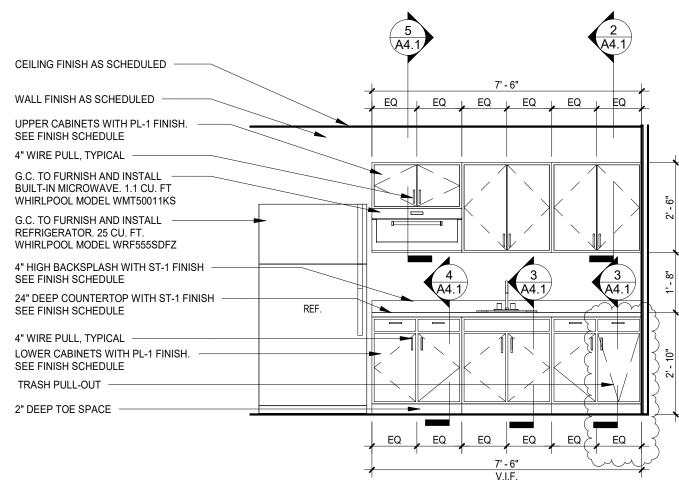












Millwork Sheet Notes

- 1. WHERE ELECTRICAL WORK IS SPECIFIED IN CASEWORK, LAMPS AND LIGHTING FIXTURES ARE TO BE PROVIDED BY THE CABINET CONTRACTOR, CUTOUTS FOR SWITCHES/ RECEPTACLES/ WIRING SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR.
- 2. ALL DRAWERS TO HAVE FULL EXTENSION SLIDES & SOFT CLOSE HARDWARE BY HAFELE OR APPROVED EQUAL U.O.N. REFER TO
- DRAWINGS FOR FURTHER SPECIFICATIONS. 3. ALL CABINET DOORS SHALL HAVE EURO/CUP CABINET DOOR HINGES BY HAFELE OR APPROVED EQUAL U.O.N. REFER TO DRAWINGS FOR FURTHER SPECIFICATIONS.
- 4. ALL DRAWERS/ CABINETS DOORS SHALL HAVE SOFT-CLOSE HINGES/ HARDWARE
- 5. MILLWORK SUB SHALL PROVIDE DETAILED SHOP DRAWINGS W/

FINISHES & HARDWARE.

6. ALL MILLWORK SHALL HAVE 3/4" PLYWOOD CONSTRUCTION, COVER IN PLASTIC LAMINATE ON ALL EXPOSED SURFACES.

8950 SW 74TH Court Suite 1204 Miami, FL 33156 786-391-2646

Qualifier: State of Florida: Erik Lloyd Myers AR 93574

Sign & Seal: Erik Lloyd Myers State of Florida:

OWNER:

Branch

Lakes
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s, FL 33014 Miami Lakes,

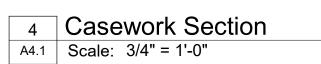
> REVISION COMMENTS

> > DATE 04-03-2023

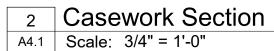
PROJECT NUMBER 19119

SHEET NUMBER

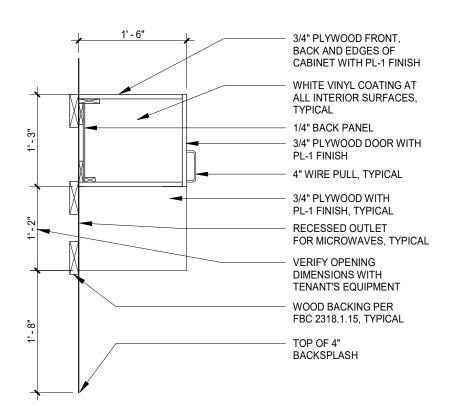
18 OF 29

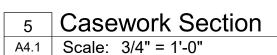


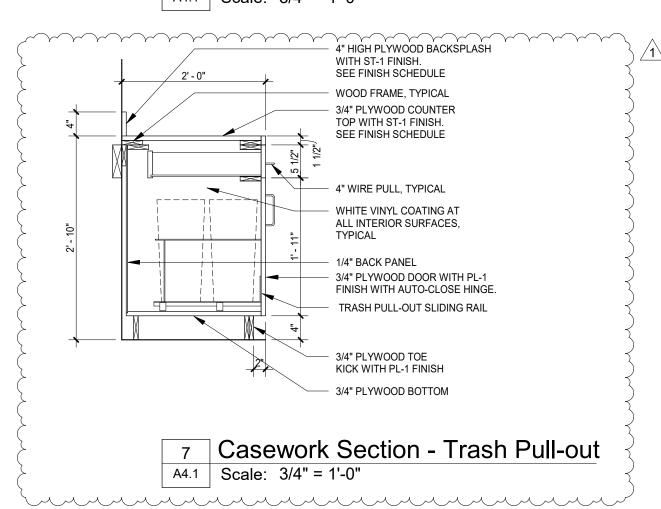


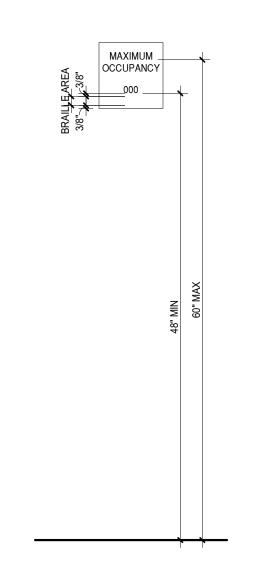




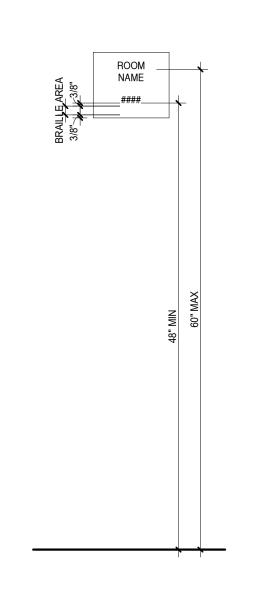




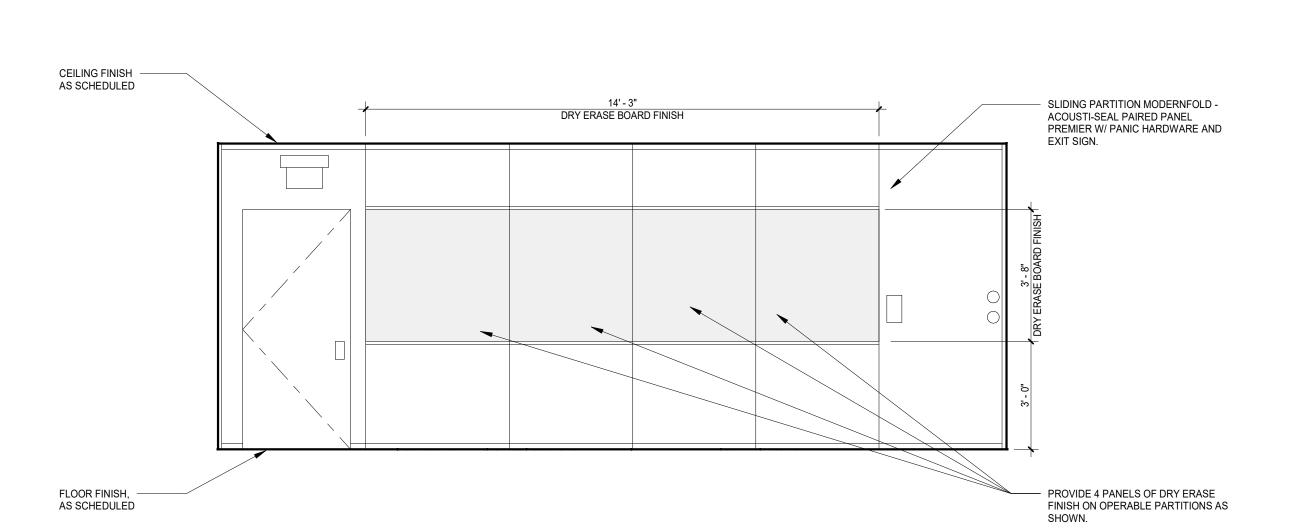




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8	Interi	or Sign	{
A4.1	Scale:	1" = 1'-0"	$\left\{ \right.$
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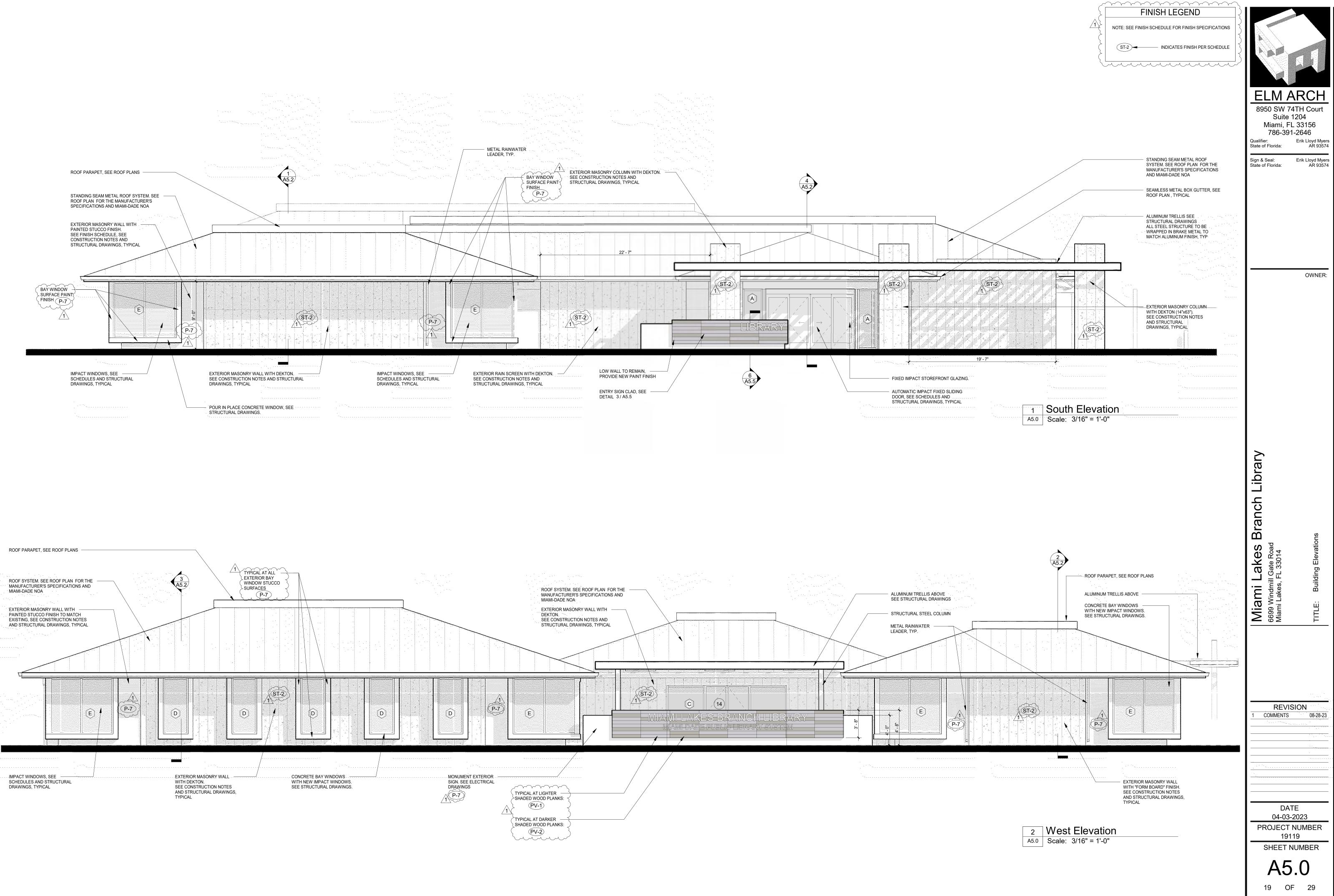


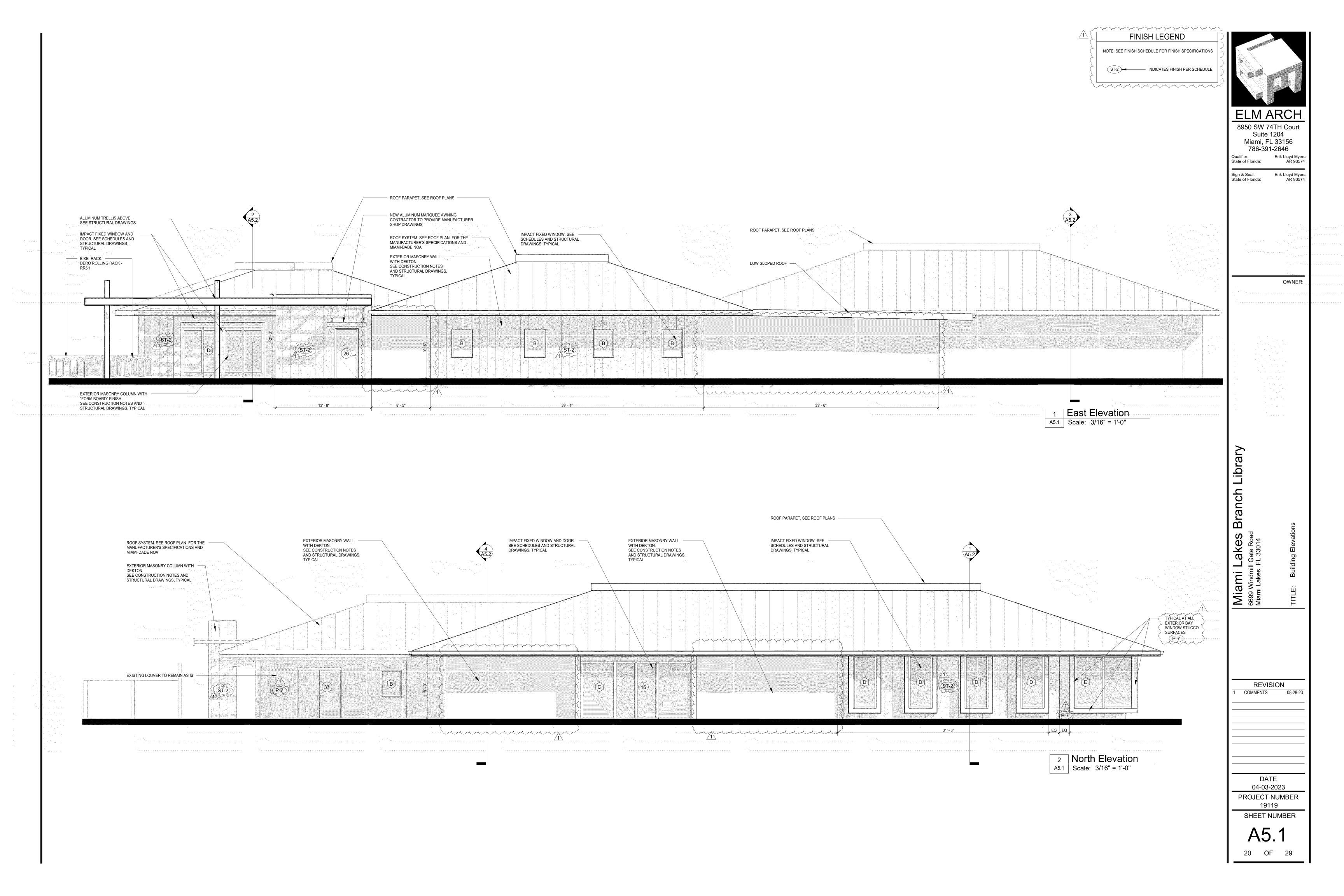
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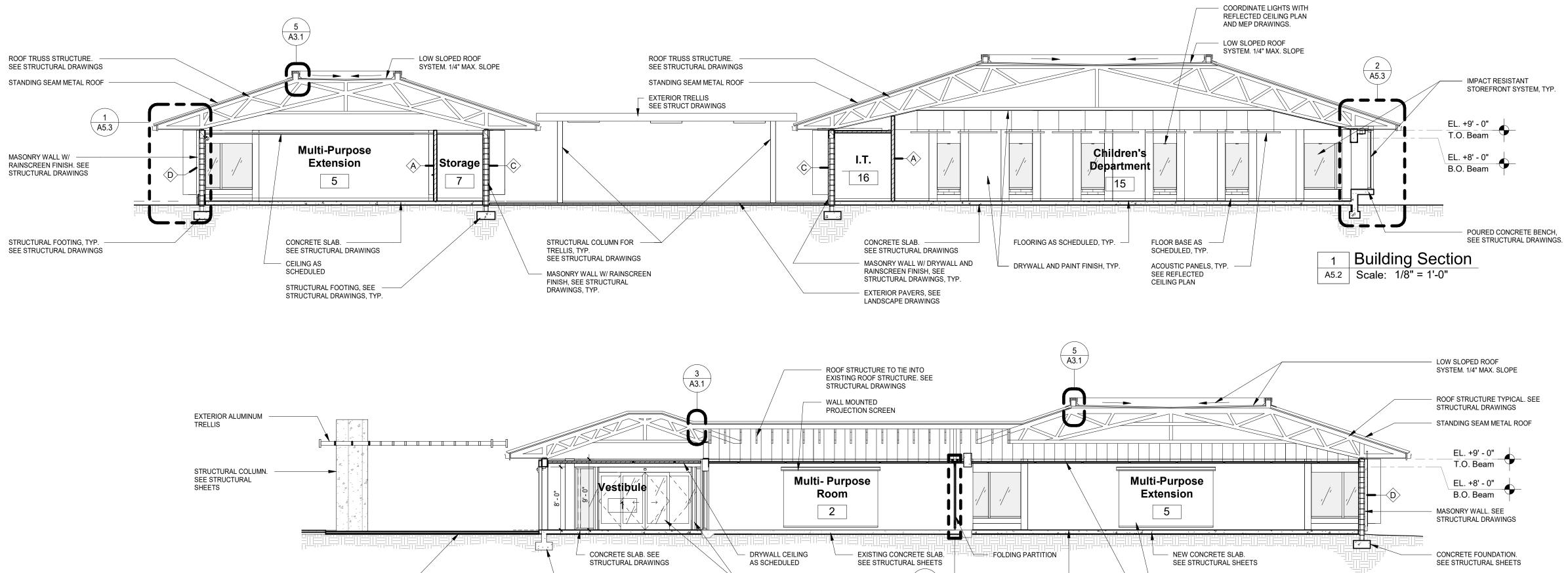


Break Room Elevation

6 Operable Partition Elevation View A4.1 Scale: 3/8" = 1'-0"







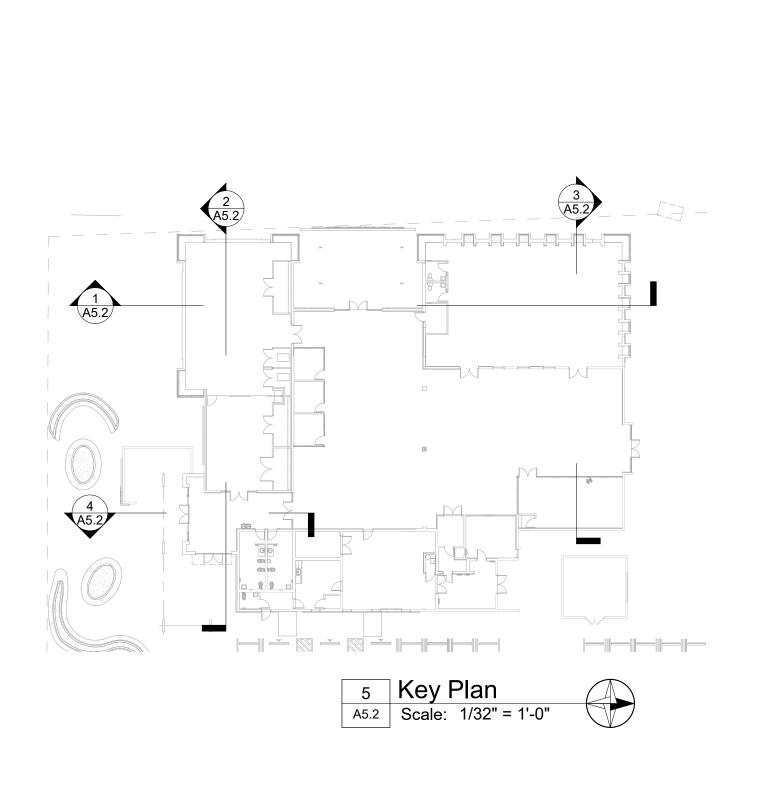
- IMPACT RESISTANT

STOREFRONT SYSTEM WITH

AUTOMATIC SLIDING DOORS

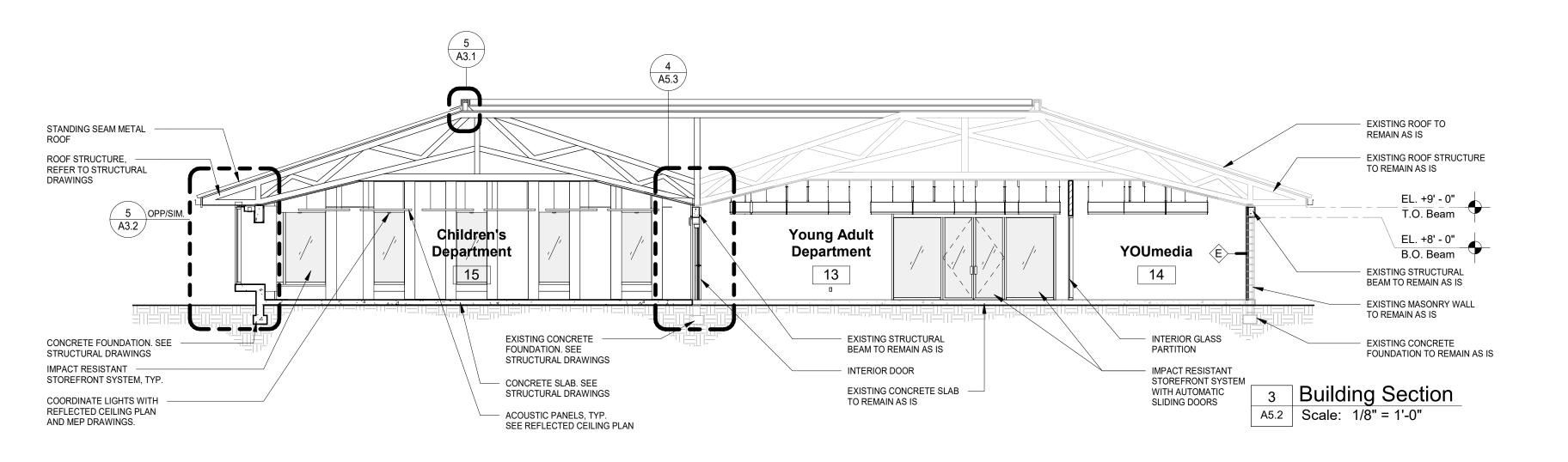
- CONCRETE FOUNDATION. SEE

STRUCTURAL SHEETS



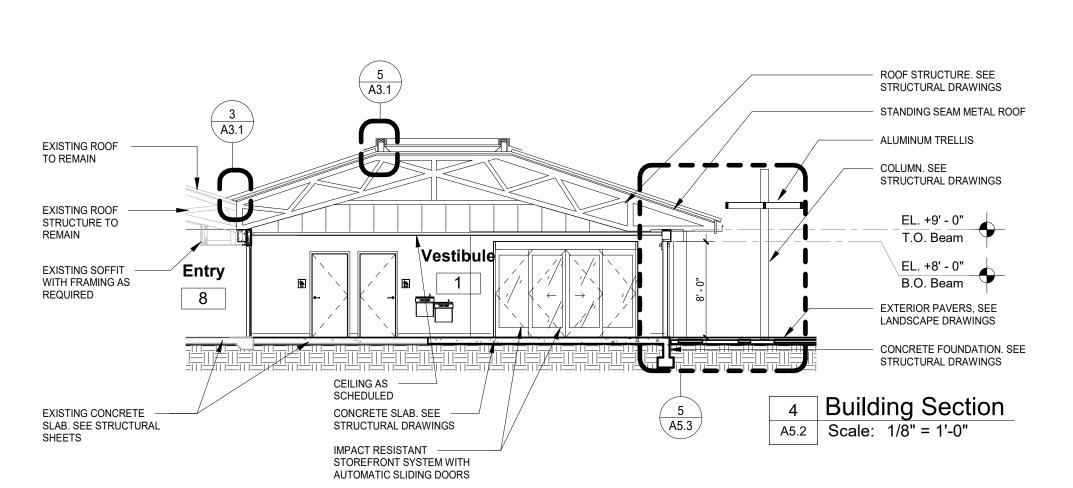
EXTERIOR PAVERS, SEE

LANDSCAPE DRAWINGS



FLOORING AS ---

SCHEDULED, TYP.



WALL MOUNTED

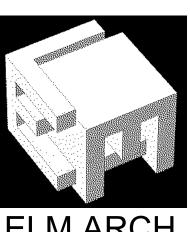
PROJECTION SCREEN

ACOUSTIC CEILING

AS SCHEDULED

2 Building Section

A5.2 | Scale: 1/8" = 1'-0"



**ELM ARCH** 8950 SW 74TH Court Suite 1204

Miami, FL 33156 786-391-2646 Erik Lloyd Myers State of Florida: AR 93574

Sign & Seal: Erik Lloyd Myers State of Florida: AR 93574

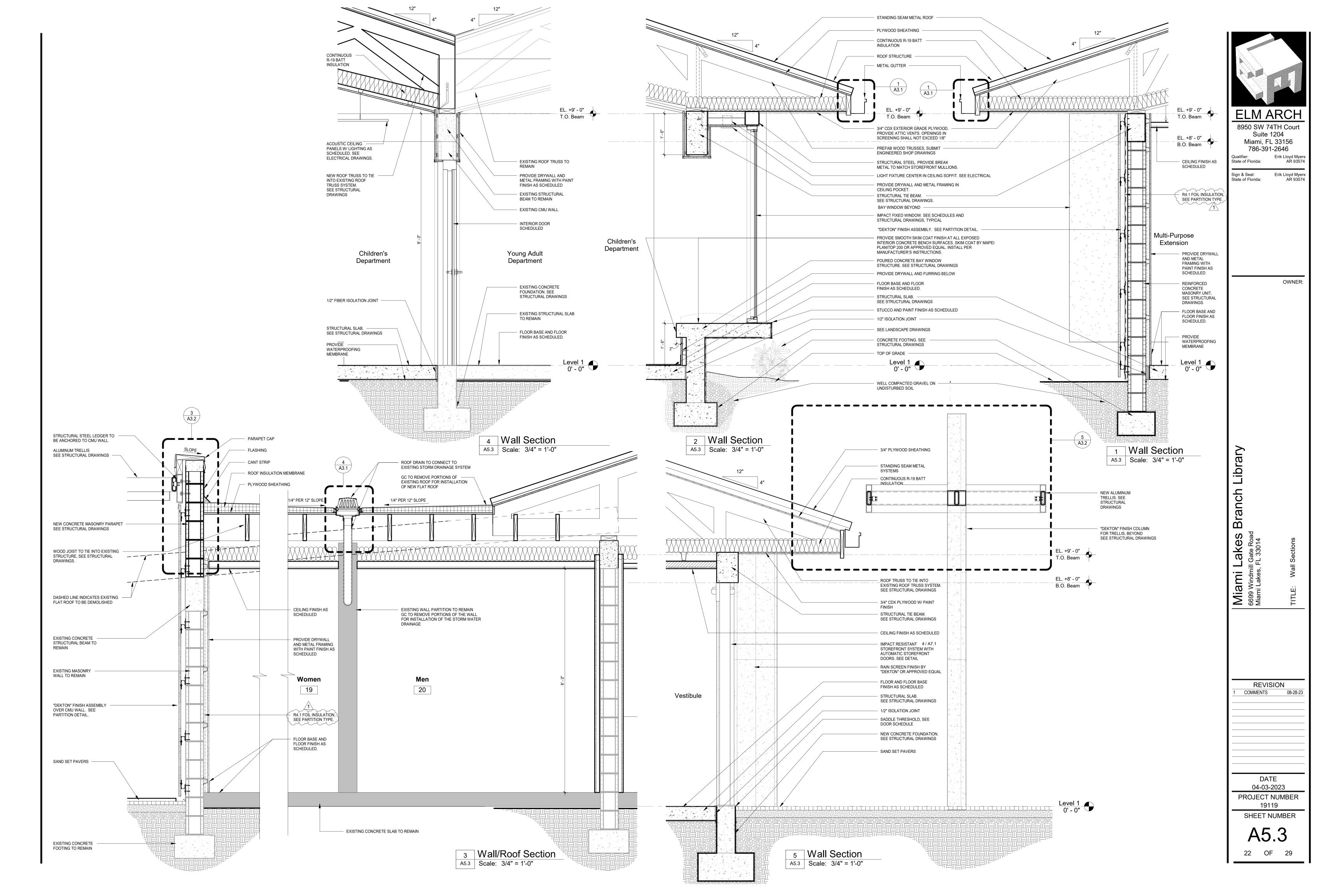
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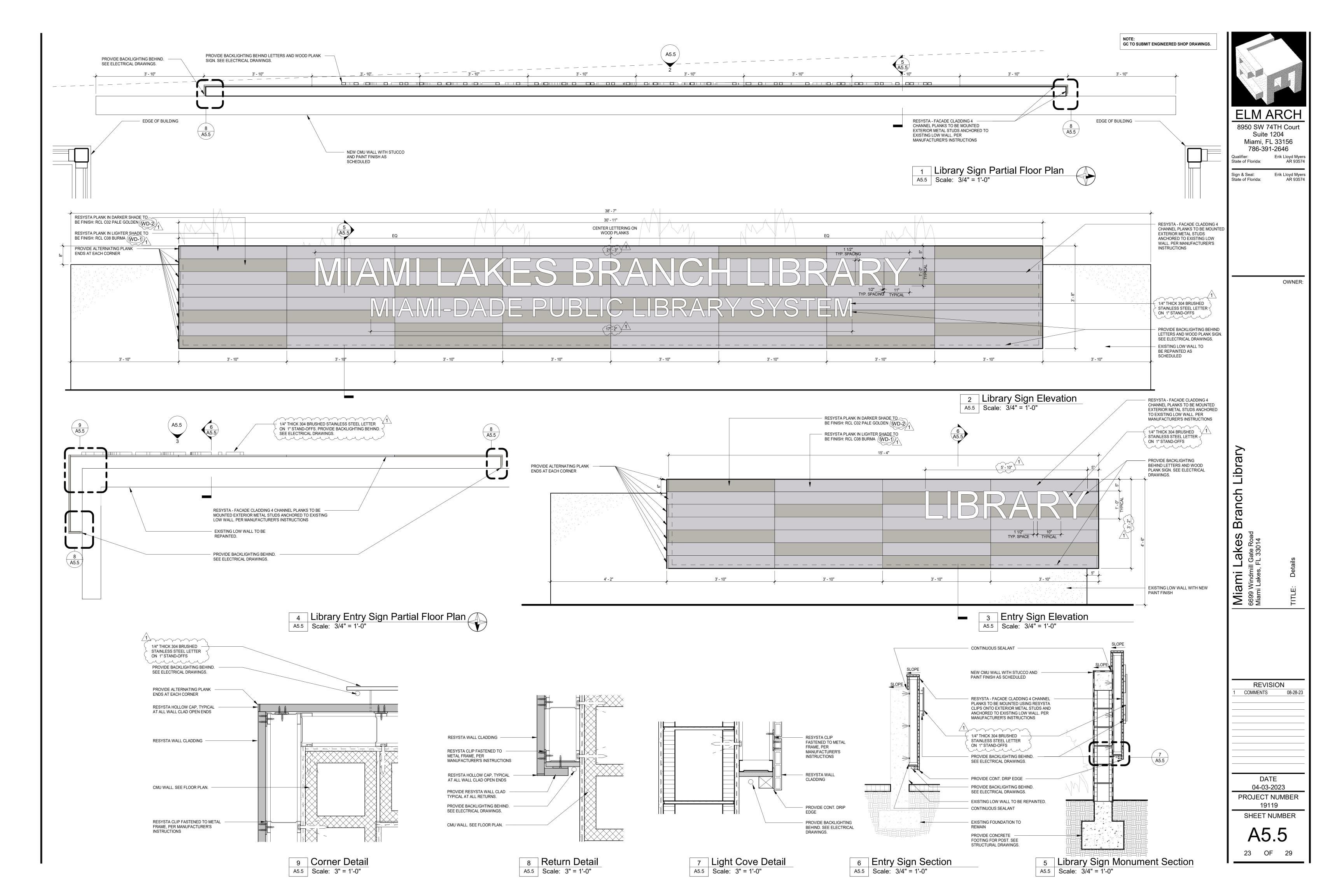
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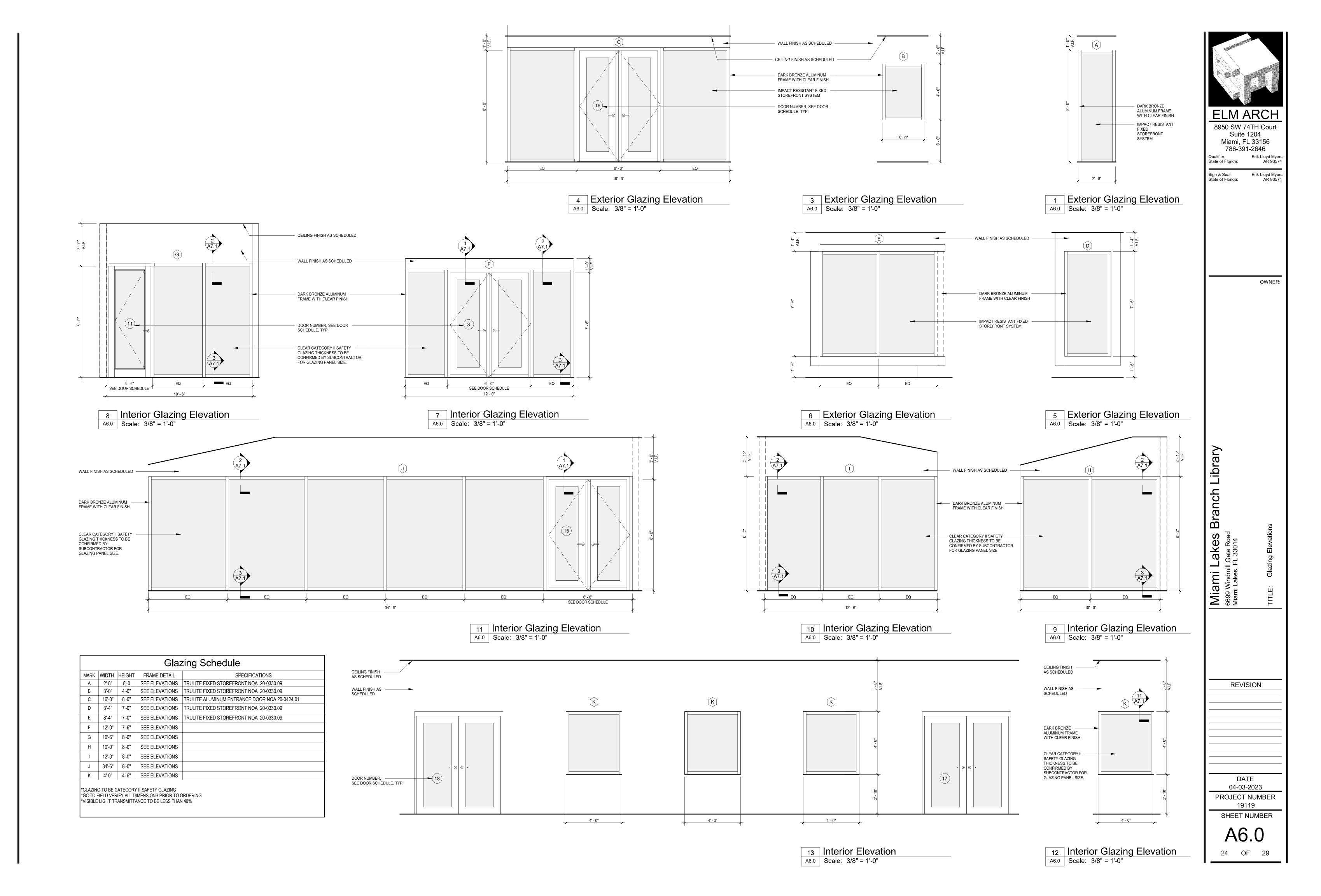
Branch

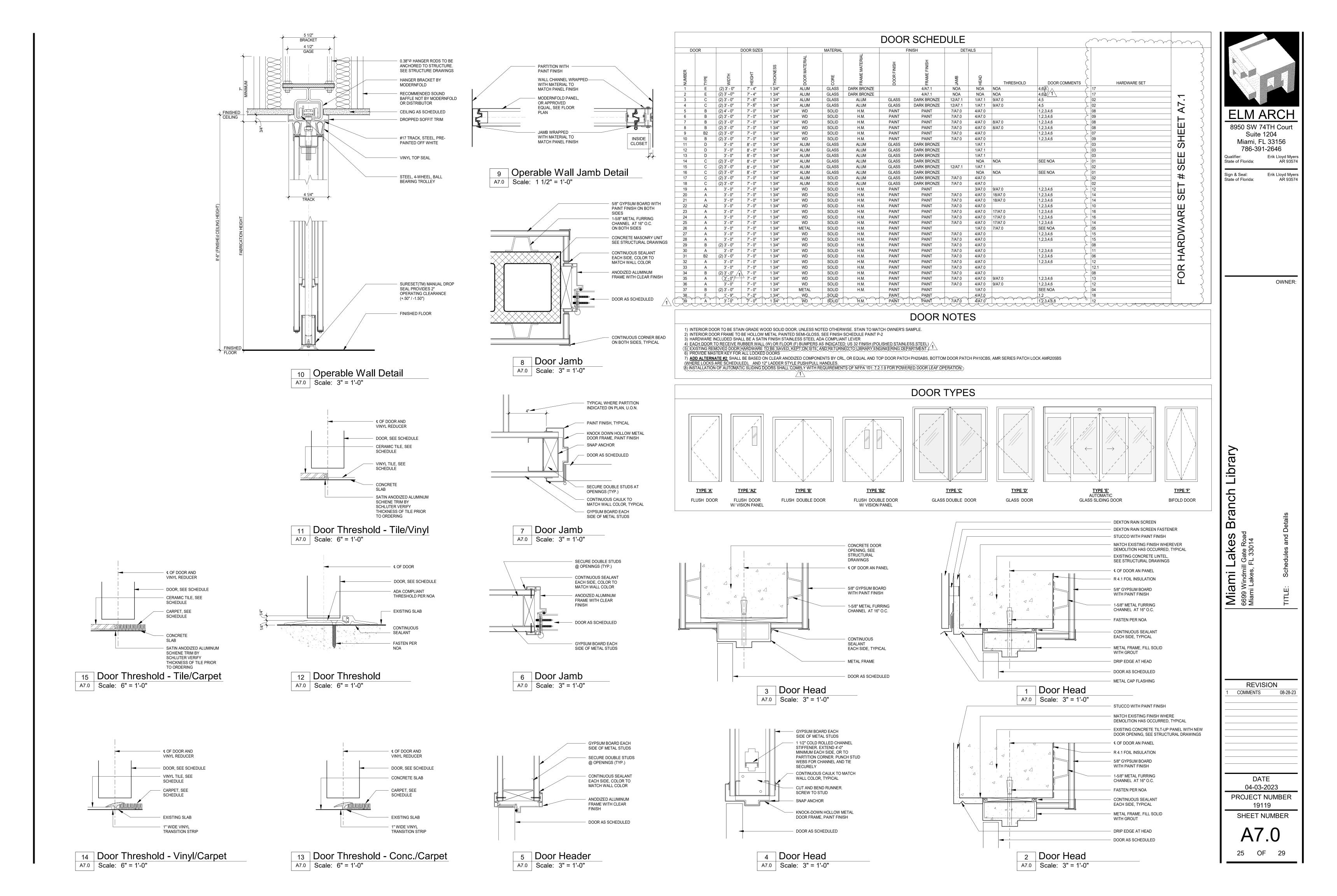
REVISION

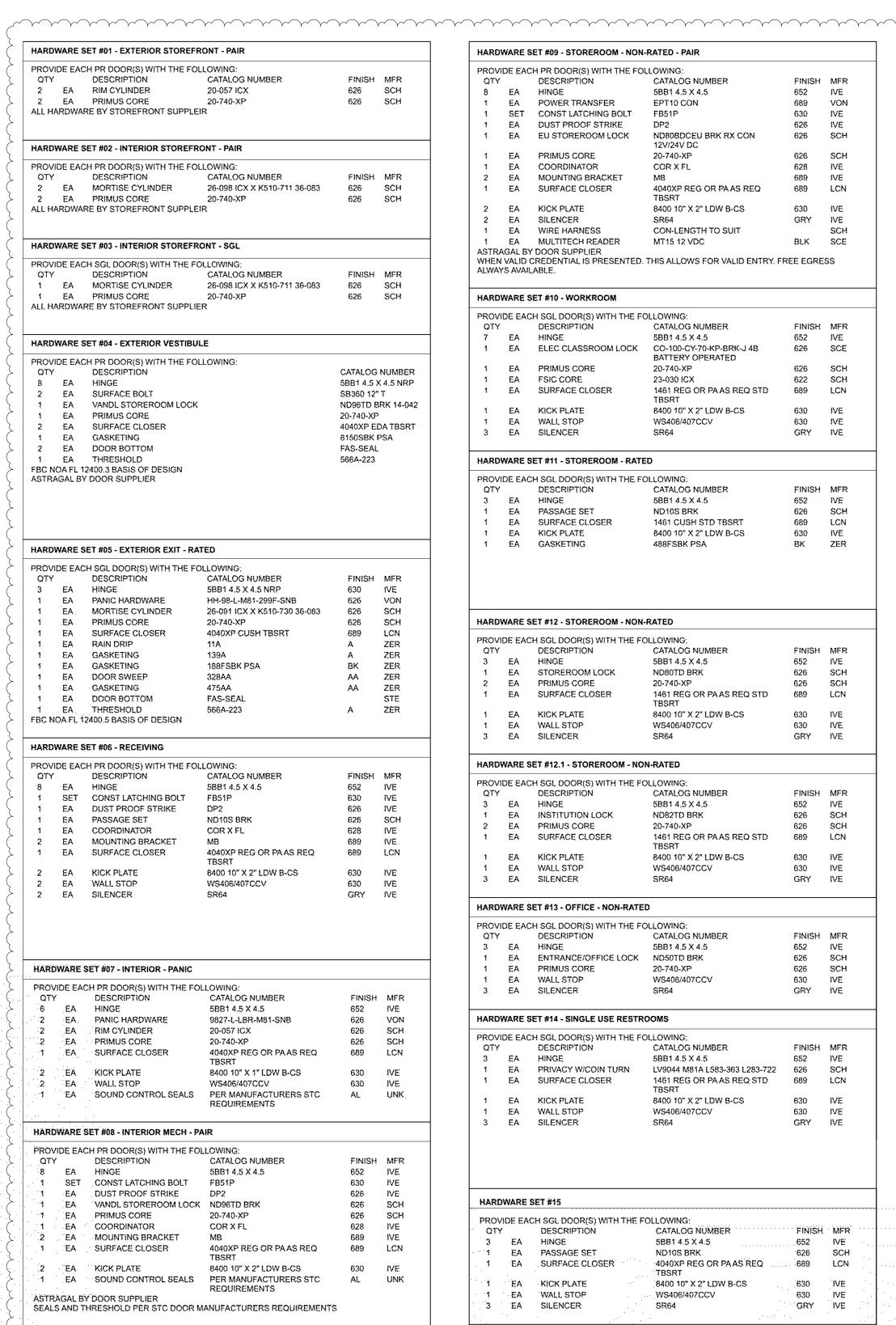
DATE 04-03-2023 PROJECT NUMBER 19119 SHEET NUMBER











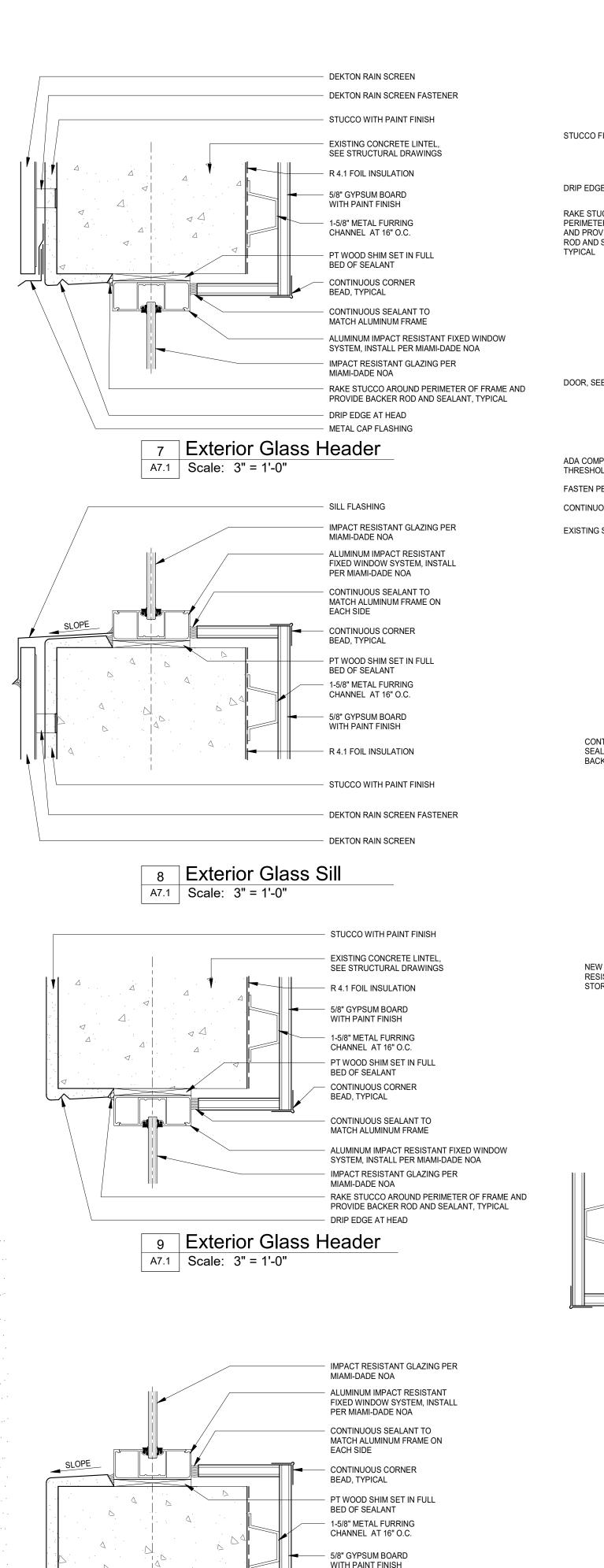
NOTE: ALL DOOR CYLINDERS ARE TO MEET

MIAMI-DADE COUNTY REQUIREMENTS.

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	FINISH		F	QTY	D	PR DOOR(S) WITH THE FO ESCRIPTION	CATALOG NUMBER	FINISH	
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			-	1 E/	A E	U STOREROOM LOCK	ND80BDCEU BRK RX CON 12V/24V DC	626	SCH
			_	1 E/		RIMUS CORE	20-740-XP	626	SCH IVE
	FINISH			1 E/2		OORDINATOR IOUNTING BRACKET	COR X FL MB	628 689	IVE
3	62 <del>6</del> 62 <del>6</del>	SCH SCH		1 EA	A S	URFACE CLOSER	4040XP REG OR PA AS REQ TBSRT	689	LCN
				2 E/2		ICK PLATE ILENCER	8400 10" X 2" LDW B-CS SR64	630 GRY	IVE IVE
				1 E/	A V	VIRE HARNESS	CON-LENGTH TO SUIT		SCH
			-  V	STRAGA	L BY DO		MT15 12 VDC THIS ALLOWS FOR VALID ENTRY, FF	BLK REE EGRE	SCE SS
83	FINISH 626 626	MFR SCH SCH				#10 - WORKROOM			
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			1	1 E/		RIMUS CORE	BATTERY OPERATED 20-740-XP	626	SCH
ŧ	CATALOG 5BB1 4.5 X	(4.5 NRP		1 EA	A F	SIC CORE URFACE CLOSER	23-030 ICX 1461 REG OR PA AS REQ STD	622 689	SCH
	SB360 12" ND96TD B	T RK 14-042		***			TBSRT		
	20-740-XP 4040XP EE	DA TRSRT		1 E/	A V	ICK PLATE /ALL STOP	8400 10" X 2" LDW B-CS WS406/407CCV	630 630	IVE IVE
4	8150SBK F FAS-SEAL			3 EA	A S	ILENCER	SR64	GRY	₽VE
	566A-223					#11 - STOREROOM - RATE			
				QTY 3 EA	D	ESCRIPTION INGE	CATALOG NUMBER 5BB1 4.5 X 4.5	FINISH 652	MFR IVE
				1 E/	A P	ASSAGE SET	ND10S BRK	626	SCH
	_	_		-	A K	URFACE CLOSER ICK PLATE	1461 CUSH STD TBSRT 8400 10" X 2" LDW B-CS	689 630	LCN IVE
			1	1 E/	A G	ASKETING	488FSBK PSA	₿K	ZER
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33	626 626 689	SCH SCH LCN		(ARDWAF	RE SET	#12 - STOREROOM - NON-	-RATED		
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		STE		1 EA	A \$	URFACE CLOSER	1461 REG OR PA AS REQ STD TBSRT	689	LCN
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			<u> </u>	3 €		ILENCER	SR64	GRY	IVE
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	630 630	IVÉ IVE		1 EA 3 EA	A W	ILENCER	W\$406/407CCV \$R64	630 GRY	IVE IVE
	GRY	₩		IARDWAF	RE SET	#13 - OFFICE - NON-RATE	ם	_	
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	FINISH	MFR	1	1 EA		/ALL STOP ILENCER	WS406/407CCV SR64	630 GRY	IVE IVE
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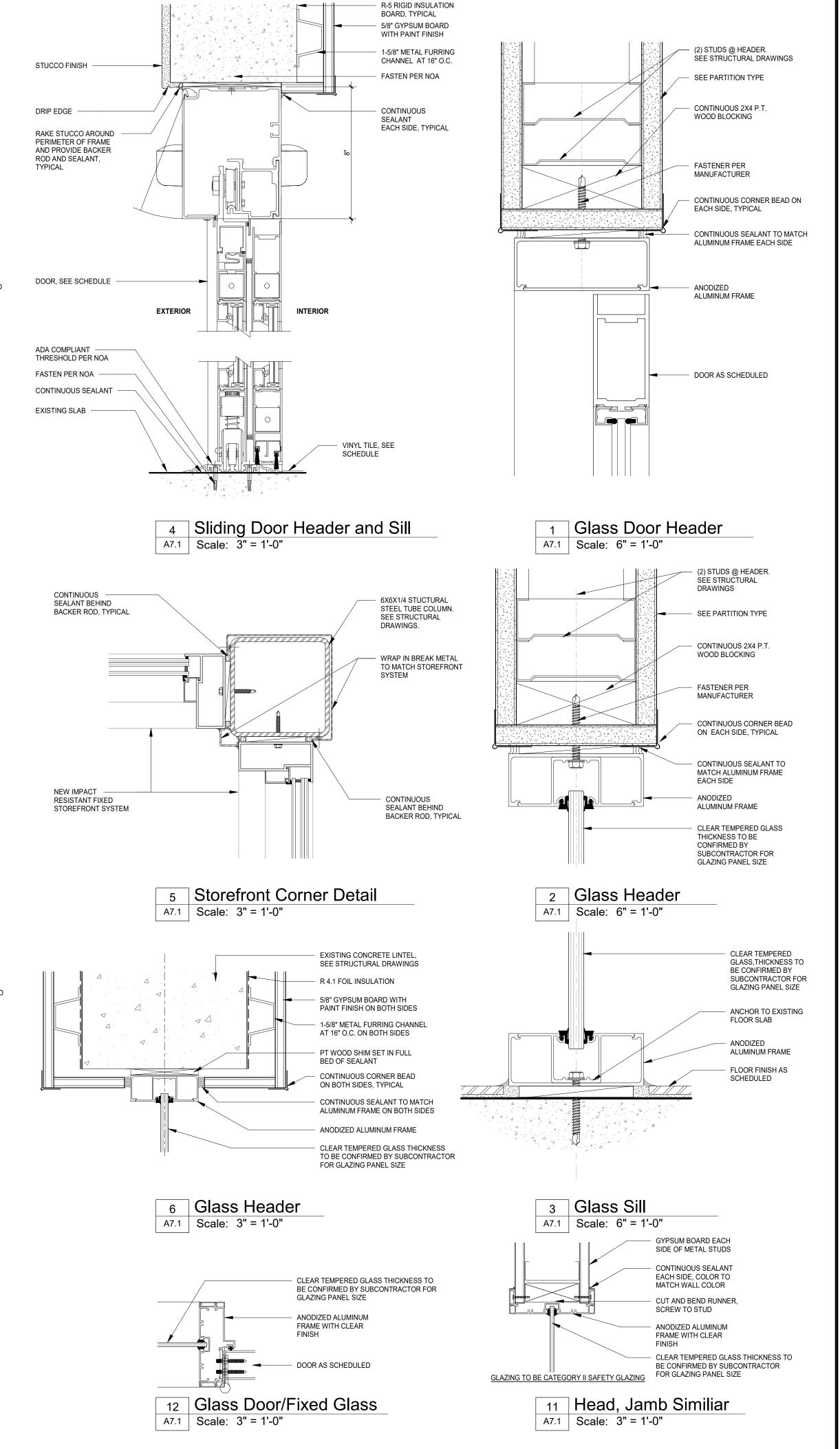


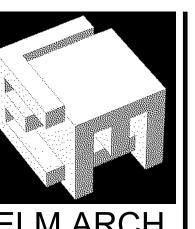
R 4.1 FOIL INSULATION

10 Exterior Glass Sill

A7.1 Scale: 3" = 1'-0"

STUCCO WITH PAINT FINISH





8950 SW 74TH Court

Suite 1204

Miami, FL 33156 786-391-2646 Erik Lloyd Myers State of Florida: AR 93574

Sign & Seal: Erik Lloyd Myers State of Florida:

OWNER:

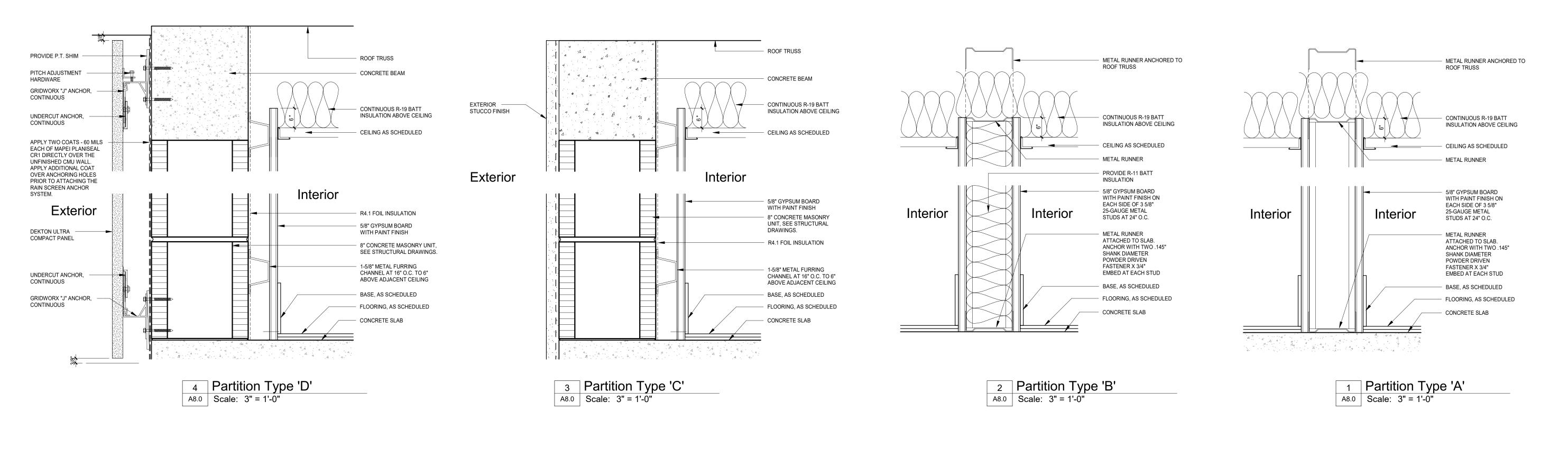
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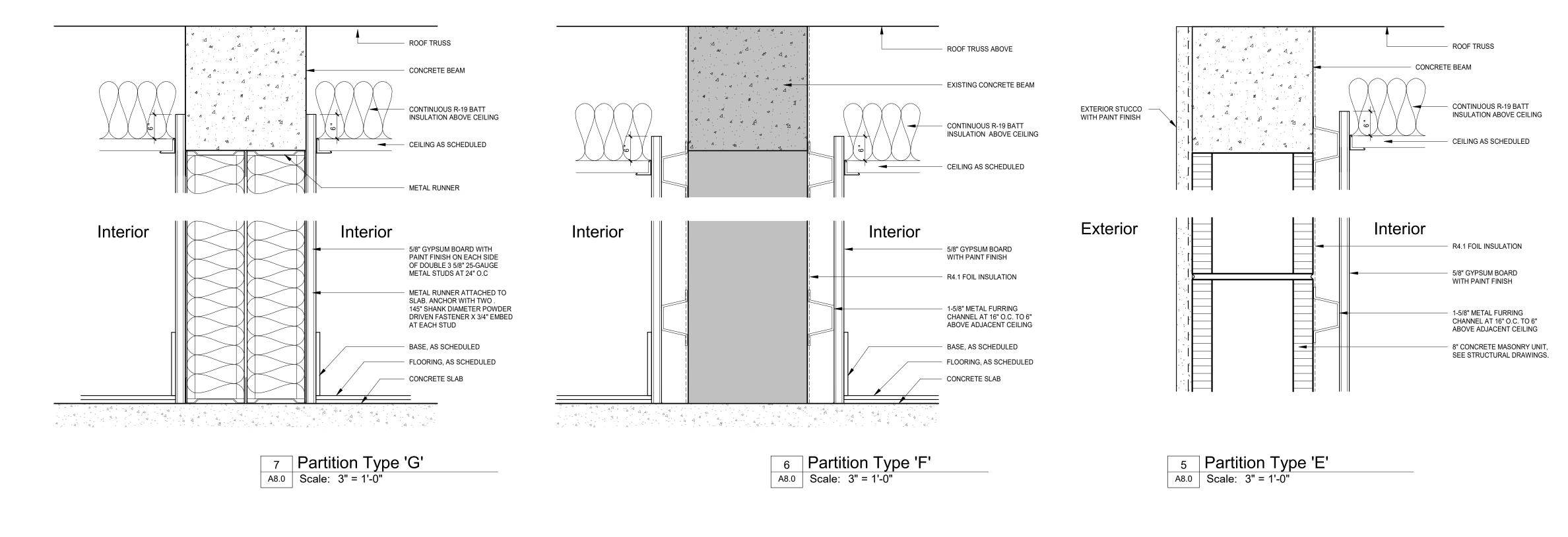
Lakes
II Gate Road
FL 33014

REVISION COMMENTS

DATE 04-03-2023 PROJECT NUMBER 19119

SHEET NUMBER







OWNER:

Miami Lakes, FL 33014

TITLE: Partition Types

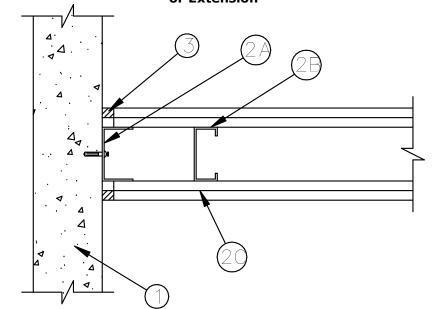
REVISION

DATE 04-03-2023

19119 SHEET NUMBER

PROJECT NUMBER

**A8.0**27 OF 29



 Concrete Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

Gypsum Wall Assembly — The 1 or 2 h fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following

features:
A. Steel Runners — Runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs 2B). Runner to be provided with 1-1/4 in. (32 mm) flanges. Runner secured to concrete wall assembly with steel concrete fasteners spaced 12 in. (305 mm) OC.
B. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. First stud adjacent to concrete wall assembly located max 4 in. (102 mm) from wall face. Stud spacing not to exceed 24 in. (610 mm) OC.

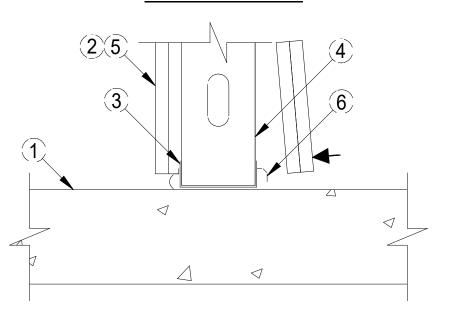
C. Gypsum Board* — For 1 hr assembly, one layer of 5/8 in. (16 mm) thick gypsum board is required in the individual Wall and Partition Design.
For 2 hr assembly, two layers of 5/8 in. (16 mm) thick gypsum board are required in the individual Wall and Partition Design. Wall to be constructed as specified in the individual U400 Series Design in the UL Fire Resistance Directory, except that a max 3/4 in. (19 mm) gap shall be maintained between the side of gypsum board and face of concrete wall assembly. The screws attaching the gypsum board to the first stud shall be located 4 in. (102 mm) from face of concrete wall assembly. Gypsum board not attached to side runner. The hourly fire

rating of the joint system is equal to the hourly rating of the gypsum wall assembly.

3. Fill, Void or Cavity Material* Sealant — Max separation between side of gypsum board and face of concrete wall assembly is 3/4 in. (19 mm). The joint system is designed to accommodate a max 17 percent compression or extension from its installed width. Min 5/8 in. (16 mm) thickness of fill material installed on each side of the wall between the side of the gypsum board and the face of the concrete wall assembly, flush with each surface of the gypsum wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant or CP606 Flexible Firestop Sealant. L *Bearing the UL Classification Mark

UL/cUL SYSTEM NO. BW-S-0039 **BOTTOM OF WALL JOINT: GYPSUM WALL ASEMBLY** ASSEMBLY RATING = 1-HR. OR 2-HR. L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT CROSS-SECTIONAL VIEW



1. CONCRETE FLOOR ASSEMBLY (2-HR. FIRE-RATING):

A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK).

B. ANU UL/cUL CLASSIFIED PRECAST (HOLLOW-CORE) CONCRETE FLOOR (MINIMUM 6" THICK)

2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING)(2-HR. SHOWAN). HR. SHOWN). 3. FLOOR RUNNER (MIN. 25 GA., FLANGE HEIGHT OF FLOOR RUNNER SHALL BE MINIMUM 1-1/4") FASTENED TO 3. FLOOR KONNER (MIN. 25 GA., PLANGE HEIGHT OF FLOOR KONNER SHALL BE MINIMOM 1-1/4*) FASTENED TO TOP SIDE OF CONCRETE FLOOR WITH STEEL FASTENERS (SPACED MAX. 12" OC).

4. STEEL STUDS (MINIMUM 3-1/2" WIDE) CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT WITH BOTTOM NESTING IN, RESTING ON, AND FASTENED TO FLOOR RUNNER.

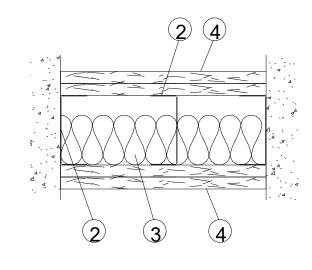
5. 5/8" OR 1-1/4" THICKNESS GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN.

6. HILTI CFS-TTS 358, CFS-TTS 600, OR CFS-TTS OS TOP TRACK SEAL INSTALLED UNDER FLOOR RUNNER PRIOR TO ATTACHMENT TO TOP SIDE OF CONCRETE FLOOR IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTONS.

NOTE: MAXIMUM WIDTH OF JOINT - 3/4"

Design No. U412 October 03, 2012

Nonbearing Wall Rating - 2HR.



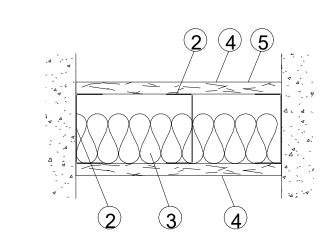
1. Floor and Ceiling Runners - (Not shown) - 25 MSG (min) galv steel 1 in. high, return legs 1-5/8 in. wide (min), attached to floor and ceiling with fasteners 24 in. OC max 2. Steel Studs - 1-5/8 in. wide (min), 1-1/4 in. legs, 1/4 in. return, of No. 25 MSG (min)

3. Batts and Blankets* - (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity. Fasten each batt to wallboard base layer with a min 9/16 in. long staple. Use five staples for each 4 ft long piece. Drive one staple in the center of each piece and a staple

4. Gypsum Board* - 1/2 in. thick. Gypsum board applied vertically in two layers. (Laminated System) Inner layer attached to studs with 1 in. long Type S steel screws spaced 24 in. O.C. along vertical edges and 24 in. O.C. in the field. Outer layer laminated to inner layer with joint compound about 3/8 in. in diameter, spaced not greater than 2 in O.C. Joints of laminated outer layer offset 12 in. from inner layer joints. Outer layer gypsum board attached to inner layer with 1-1/2 in. long Type G screws spaced 24 in. O.C. along edges and center line of each

Outer layer gypsum board joints covere with joint tape and min two coats of joint compound and screw heads covered with min two coats of joint compound. As an alternate, nom 3/32 in. think gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

Design No. U465 October 03, 2012 Nonbearing Wall Rating - 1HR.



1. Floor and Ceiling Runners - (Not shown) - Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in OC max

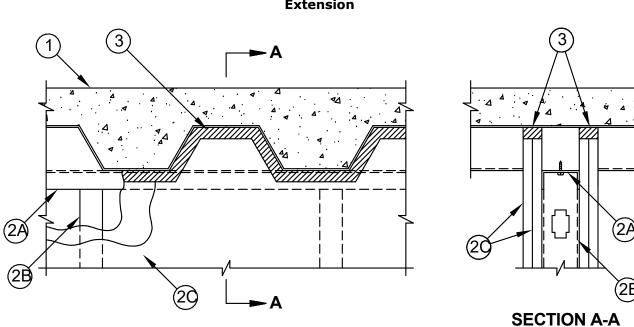
2. Steel Studs - Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24in. OC max. Studs to be cut 3/4 in. less than assembly height.

3. Batts and Blankets* - (Optional) - Mineral wool or glass fiber batts partially or completely

4. Gypsum Board* - 5/8 in. thick, 4ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (resilient channels) OR 6A (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

 4. Joint Tape and Compound
 - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

SYSTEM No. HW-D-0077 Assembly Rating -1 or 2 Hr (See Items 2 and 3) Nominal Joint Width -3/4 In. L Rating At Ambient — Less Than 1 CFM/Lin Ft L Rating At 400°F — Less Than 1 CFM/Lin Ft Class II Movement Capabilities — 17% Compression or Extension



1. Floor Assembly — The fire-rated fluted steel floor unit/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the Fire Resistance Directory and shall include the following construction features:

A. Steel Floor and Form Units* — Max 3 in. (76 mm) deep galv steel fluted floor units.

B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

C. Spray-Applied Fire Resistive Materials — (Optional, Not Shown) — Prior to or after the installation of the ceiling runner and Fill, Void or Cavity Materials (Item 3), the steel floor units may be sprayed with a min 5/16 in. (8 mm) thickness to a max 11/16 in. (17 mm) thickness of fire resistive material. W R GRACE & CO - CONN — Type MK-6/HY 1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly

shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:

A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. Roof Insulation — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units. 1B. Roof Assembly — As an alternate to Items 1 and 1A, a fire rated protected fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall

A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck. B. Spray—Applied Fire Resistive Materials* — (Not Shown)—Prior to or after the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B), the roof assembly shall be sprayed with the type and thickness of fire resistive material indicated in the individual P700 Series design.

W. R. GRACE & CO - CONN — Type MK-6/HY

2. Wall Assembly — The 1 or 2 hr fire-rated gypsum board /steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following A. Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width Ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material. A1. Light Gauge Framing*-Slotted Celling Runner — As an alternate to the ceiling runner in Item 2A. slotted ceiling runner to consist of galv

steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
BRADY CONSTRUCTION INNOVATIONS INC,
DBA SLIPTRACK SYSTEMS — SLP-TRK
CALIFORNIA EXPANDED METAL PRODUCTS CO — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT METAL-LITE INC — The System SCAFCO STEEL STUD MANUFACTURING CO

TELLING INDUSTRIES L L C — True-Action Deflection Track
A2. Light Gauge Framing*-Vertical Deflection Ceiling Runner — As an alternate to the ceiling runners in Items 2A and 2A1, vertical deflection ceiling runner to consist of galv steel channel with slotted vertical deflection clips mechanically fastened within runner. Slotted clips, provided with step bushings, for permanent fastening of steel studs. Flanges sized to accommodate steel studs (Item 2B). Vertical deflection ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner nay only be used prior to the installation of the optional spray-applied material.

FHE STEEL NETWORK INC — VertiTrack VTD250, VTD362, VTD400, VTD600 and VTD800

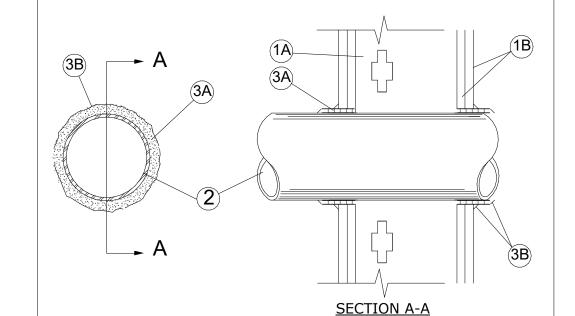
A3. Light Gauge Framing* - Notched Ceiling Runner — As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be

B. Studs — Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in. (610 mm) OC. When vertical deflection ceiling runner (Item 2A2) is used, steel studs secured to slotted vertical deflection clips, through the bushings, with steel screws at midheight of each slot. Stud spacing not to exceed 24 in. (610 mm) OC. C. Gypsum Board* — Gypsum board installed to a min total thickness of 5/8 or 1-1/4 in. (16 or 32 mm) on each side of wall, for 1 or 2 hr fire seistance rated walls, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory, except that the gypsum board is cut to fit the contour of the steel floor units with a max 3/4 in. (19 mm) gap. The screws attaching the gypsum board to the studs at the top of the first layer shall be located 4 in. (102 mm) from the steel floor unit valleys. The screws attaching the second layer to the steel studs shall be installed into the studs 3-1/2 in. (89 mm) below the valleys of the steel floor units. The hourly fire rating of the joint system is dependent on the hourly rating of the wall.

3. Fill, Void or Cavity Material* — Sealant — Max separation between bottom of floor and top of wall is 3/4 in. (19 mm). The joint system is designed to accommodate a max 17 percent compression or extension from its installed width. Min 1-1/4 in. (32 mm) thickness of fill material flush with the surface of the gypsum board for 2 hr fire rated systems or 5/8 in. (16 mm) thickness of fill material for 1 hr fire rated systems installed on each side of the wall between the top of the gypsum board and the bottom of the steel floor or roof deck or the spray-applied fire resistive material on the

steel deck.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP606 Flexible Firestop Sealant *Bearing the UL Classification Mark

System No.W-L-2003 November 20, 2009 F Ratings - 1 and 2 Hr (See Item 3) T Ratings - 1 and 2 Hr (See Item 3) L Rating At Ambient - 7 CFM/sq ft (See Item 3B) L Rating At 400 F - less than 1 CFM/sq ft (See Item 3B)



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in, (51 by 102 mm) lumber spaced 16 in, (406 mm) OC with nom 2 by 4 in, (51 by 102 mm) lumber end plates

and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 B. Gypsum Board* — 5/8 in. (16 mm) thick. 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/8 in. (79 mm).

2. Through Penetrants — One nonmetallic pipe or conduit to be centered in the through opening. The annular space between pipe or conduit and periphery of opening shall be min 1/4 in. (6 mm) and max 3/8 in. (10 mm). Pipe or conduit to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system. B. Rigid Nonmetallic Conduit++ — Nom 2 in. (51 mm) diam (or smaller)(Schedule 40 or 80) PVC conduit installed in accordance with the National electric Code (NFPA No. 70). C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

D. Cellular Core Polyvinyl Chloride (ccPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular E. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

F. Cellular Core Acrylonitrile Butadiene Styrene (ccABS) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping

3. Firestop System — Installed symmetrically on both sides of wall assembly. The hourly F and T Ratings for the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. The details of the firestop system shall be as follows. A. Fill, Void or Cavity Materials* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around nonmetallic pipe (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the

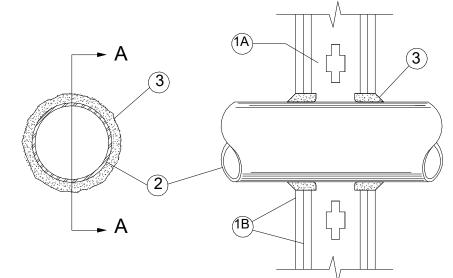
wrap strip protrudes from the wall surface. B. Fill. Void or Cavity Materials* — Caulk. Sealant or Putty — Min 5/8 in. (16 mm) thickness of caulk or putty applied into annular space between wrap strip and periphery of opening. A nom 1/4 in. (6 mm) diam bead of caulk or putty to be applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layers approx 3/4 in. 3M COMPANY — CP 25WB+ caulk or MP+ Stix putty, IC 15WB+ caulk, FireDam 150+ caulk or FB-3000 WT sealant. (Note: L Ratings apply only when Type CP 25WB+ caulk or FB-3000 WT sealant is used. CP 25WB+ and FireDam 150+ not suitable for use with CPVC pipes.)

C. Foil Tape — (not shown) — Nom 4 in. (102 mm) wide, 3 mil thick aluminum tape wrapped around pipe prior to

the installation of the wrap strip (Item 3A). Min of one wrap, flush with both sides of wall and proceeding outward.

Tape is not required for pipes shown in Items 2A, 2B and 2C.

T Ratings - 0, 1, 2, 3, and 4 Hr (See Item 3) L Rating At Ambient - less than 1 CFM/sq ft



**SECTION A-A** 

1. Wall Assembly - The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs - Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in.

diam of opening is 26 in. (660 mm).

smaller) steel electrical metallic tubing

A. Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. B. Iron Pipe - Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe. C. Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

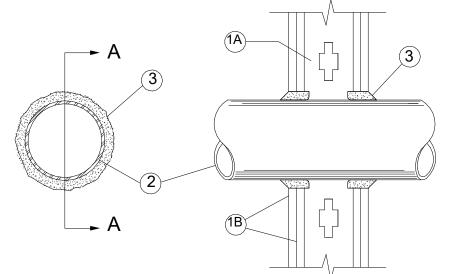
3. Fill. Void or Cavity Material* - Caulk or Sealant - Min 5/8. 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.

hourly fire rating of the wall asse	embly in which	it is installed, as
Max Pipe or Conduit Diam in. (mm)	Rating	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+When copper pipe is used, T Rating is 0 hr. 3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant, *Bearing the UL Classification Marking

System No.W-L-1001 June 15, 2005

F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3) L Rating At 400 F - less than 1 CFM/sq ft



channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC 92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC. **B. Gypsum Board*** - Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max

2. Through Penetrant - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be

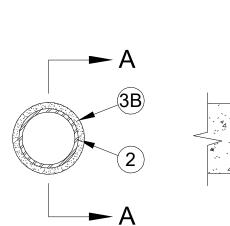
 D. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing
 E. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. F. Through Penetrating Product* - Flexible Metal Piping - The following types of steel flexible metal gas

OMEGA FLEX INC

**TITEFLEX CORP** 

The hourly  $\dot{\mathsf{F}}$  Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the

System No. C-AJ-2075-C March 27, 2009 F Rating - 2 Hr FT Rating - 0 and 2 Hr (See Item 1A) FH Rating - 2 Hr FTH Rating - 0 and 2 Hr (See Item 1A) L Rating At Ambient - Less Than 1 CFM/Sq. Ft L Rating At 400° F - 3 CFM/Sq. Ft



System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed 1. Floor or Wall Assembly - Min 114 mm thick reinforced lightweight or normal weight (100-150 pcf)

Concrete Blocks *. Max diam of opening concrete. Wall may also be constructed of any UL Classified shall be 25 mm larger than the nom size of through-penetrant (Item 2). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers. 1A. Steel Sleeve - (optional) - Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall

assembly, flush with both surfaces of floor or wall assembly. The nom size of sleeve shall be 25 mm

larger than the nom size of through-penetrant. The hourly FT and FTH Ratings are 0 Hr when steel sleeve is used, otherwise the hourly FT, FH and FTH Ratings are equal to the hourly F Rating of the

2. Through-Penetrant - One nonmetallic pipe, conduit or tubing to be centered within the firestop system. A nom annular space of 8 mm is required within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic pipes, conduits or tubing may be used:

A. Polyvinyl Chloride (PVC) Pipe - Nom 50 mm diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems B. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 50 mm diam (or smaller) SDR11, SDR13.5 or SDR17 C. Rigid Nonmetallic Conduit + - Nom 50 mm diam (or smaller) Schedule 40 PVC conduit installed in

D. Electrical Nonmetallic Tubing (ENT) + - Nom 50 mm diam (or smaller) corrugated-wall electrical nonmetallic tubing (ENT) constructed of polyvinyl chloride (PVC) and installed in accordance with the National Electrical Code (NFPA No. 70). See Electrical Nonmetallic Tubing (FKHU) category in the Electrical Construction Materials Directory for names of manufacturers

E. Flexible Nonmetallic Conduit, Liquid-Tight (FNMC) + - Nom 50 mm diam (or smaller) corrugated-wall flexible nonmetallic conduit, liquid-tight (FNMC) constructed of polyvinyl chloride (PVC and installed in accordance with the National Electrical Code (NFPA No. 70).

See Flexible Nonmetallic Conduit, Liquid-Tight (DXOQ) category in the Electrical Construction Materials 3. Firestop System - The details of the firestop system shall be as follows:

B. Fill, Void or Cavity Material * - Sealant - Min 50 mm thickness of fill material applied within the

A. Packing Material - (Optional) - Nom 9.5 mm diam polyethylene backer rod or min 9.5 mm

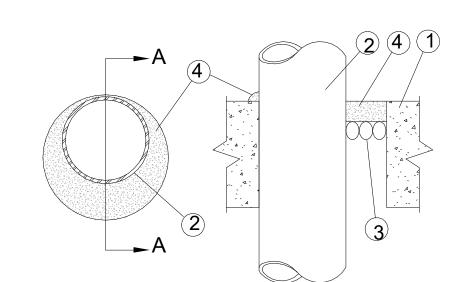
recessed from top surface of floor or both surfaces wall as required to accommodate the required

thickness of mineral wool batt insulation firmly packed into opening as a permanent form and

3M FIRE PROTECTION PRODUCTS - FB-3000 WT sealant +Bearing the UL Listing Mark

System No. C-AJ-1044 June 15, 2005

F Ratings - 2, 3, and 4 Hr (See Items 2A and 4) T Rating - 0 Hr L Rating At Ambient - 2 CFM/sq ft L Rating At 400 F - less than 1 CFM/sq ft W Rating - Class I (See Item 4)



SECTION A-A

1. Floor or Wall Assembly - Lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Except as noted in table under Item 4, min thickness of solid concrete floor or wall assembly is 4-1/2 in. (114 mm). Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow core **Precast Concrete Units***. When floor is constructed of hollow core precast concrete units, packing material (Item 3) and caulk fill material (Item 4) to be installed symmetrically on both sides of floor, flush with floor surface. Wall assembly may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is in solid lightweight or normal weight concrete. Floor is 32 in. (813 mm). Max diam of opening in floor constructed of hollow-core precast concrete units is 7 in. (178 mm). See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of

1A. Steel Sleeve (Optional, not shown) - Max 15 in. (381 mm) ID (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall. Max 16 in. (406 mm) ID (or smaller) min 0.028 (0.71 mm) wall thickness (or heavier) galvanized steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 1/2 in. (13 mm) beyond either surface of floor or wall.

2. Through Penetrants - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Max annular space between pipe, conduit or tubing and edge of through opening or sleeve is dependent on the parameters shown in Item 4. Min annular space between pipe or conduit and edge of through opening is 0 in. (0 mm) (point contact). Pipe conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be

A. Steel Pipe - Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

F. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Packing Material - Polyethylene backer rod or nom 1 in. (25 mm) thickness of tightly-packed mineral wool batt or glass fiber insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item 4).

required caulk thickness to be installed symmetrically on both sides of wall, flush with wall surface. At point contact location between penetrant and sleeve or between penetrant and sleeve or between penetrant and concrete, a min 1/4 in. (6 mm) diam bead of caulk shall be applied at top surface of floor and at both surfaces of wall. The hourly F Ratings and the min required caulk thicknesses are dependent upon a number of parameters, as shown in the following table: 4. Fill, Void or Cavity Material* - Caulk or Sealant - Applied to fill the annular space flush with top surface of floor. In wall assemblies,

3				
Min Floor or Wall Thkns In. (mm)	Nom Pipe Tube or Conduit Diam in. (mm)	Max Annular Space in. (mm)	Min Caulk Thkns in. (mm)	F Rating Hr
2-1/2 (64)	1/2-12 (13-305)	1-3/8 (35)	1/2 (13)	2
2-1/2 (64)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	2
4-1/2 (114)	1/2-6 (13-152)	1-3/8 (35)	1/4 (6) (a)	2
4-1/2 (114)	1/2-12 (13-305)	1-1/4 (32)	1/2 (13)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	3
4-1/2 (114)	22-30 (558-762)	2 (51)	2 (51)	3
5-1/2 (140)	1/2-6 (13-152)	1-3/8 (35)	1 (25) (b)	4

(a)Min 2 in. (51 mm) thickness of mineral wool batt insulation required in annular space. (b)Min 1 in. (25 mm) thickness of mineral wool batt insulation required in annular space on both sides of floor or wall assembly. Min 1 in. (25 mm) thickness of caulk to be installed flush with each

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant. (Note: W Rating applies only when FB-3000 WT sealant is used.)

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Miami, FL 33156 786-391-2646

State of Florida:

Erik Lloyd Myer State of Florida: AR 93574 Sign & Seal: Erik Lloyd Myers

OWNER:

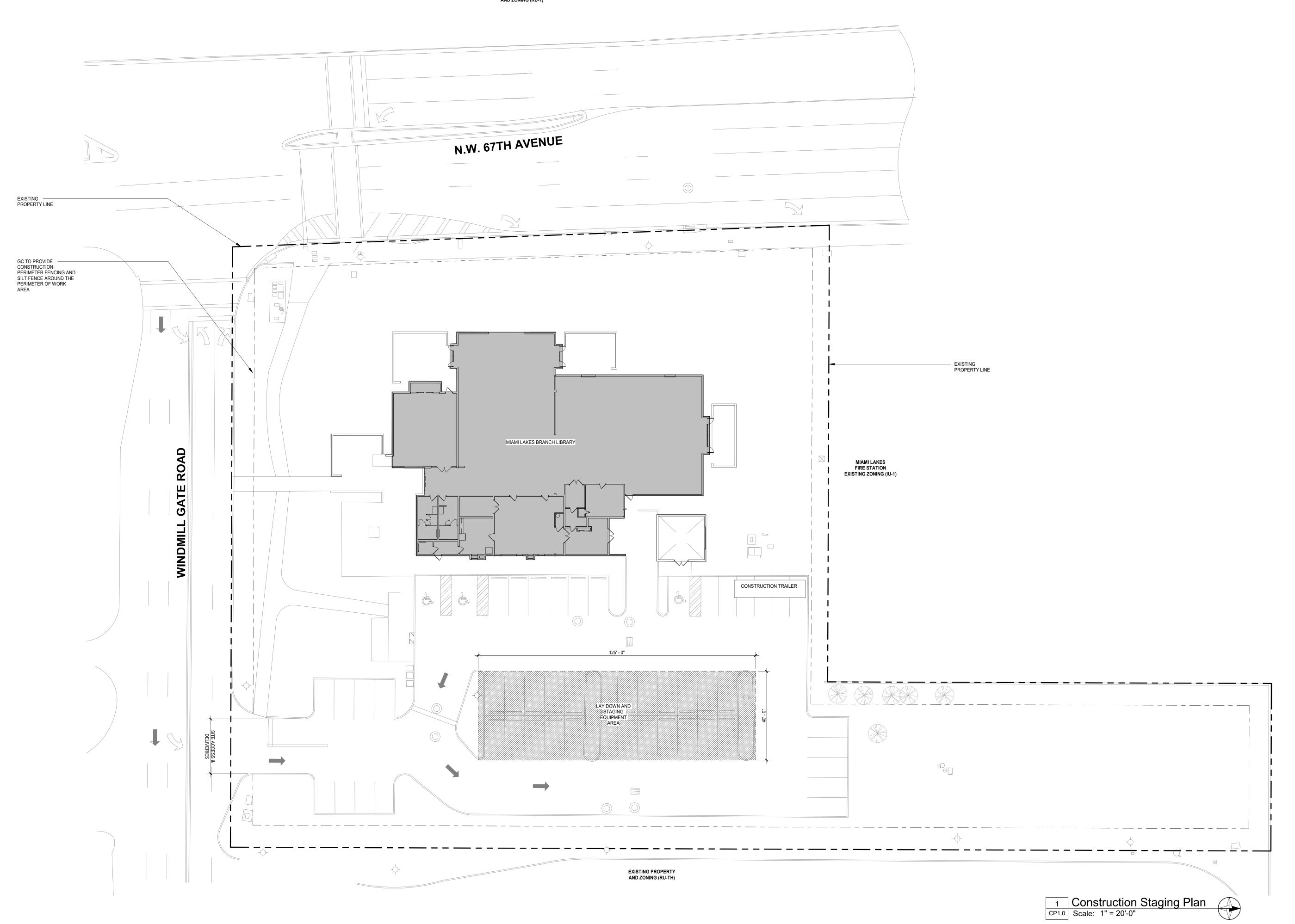
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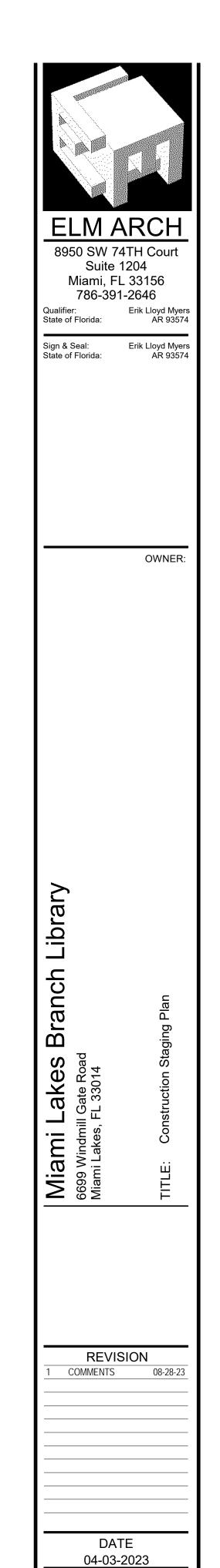
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