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ABBREVIATIONS

&	AND	GB	GLASS BLOCK	REF	ROOF EXHAUST FAN
<	ANGLE	GRT	GRATING	REINF	REINFORCE (D, ING)
@	AT	GYP	GYP SUM	REQUIRED	REQUIRED
AB	ANCHOR BOLT	GWB	GYP SUM WALL BOARD	REV	REVISED
ABV	ABOVE	HARD	HARDENER	RF	ROOF FAN
ACMU	ACOUSTICAL CONCRETE MASONRY UNIT	HD	HEAVY DUTY	RFG	ROOFING
AF	ABOVE FINISHED FLOOR	HDWD	HARDWOOD	RJH	REVEAL/RUSTICATION JOINT
AFG	ABOVE FINISHED GRADE	HDWR	HARDWARE	RL	RAIN LEADER
AL, ALUM	ALUMINUM	HGR	HANGER	RLG	RAILING
AMP	ACOUSTICAL METAL PANELS	HGT	HEIGHT	RM	ROOM
ANOD	ANODIZE(D)	HM	HOLLOW METAL	RO	ROUGH OPENING
ASSY	ASSEMBLY	HOR	HORIZONTAL	RT	RUBBER TILE
BBT	BIOBASED TILE	HP	HIGH POINT	RWL	RAIN WATER LEADER
BD	BOARD	HR	HANDRAIL	S	STEEL S-SHAPED DESIGNATION
BEV	BEVEL(ED)	IN	INCH	SB	SUSPENDED ACOUSTICAL TILE
BLDG	BUILDING	INST	INSTRUMENTATION	SCHD	SEAMLESS BASE
BLK	BLOCK	INSUL	INSULATION	SCRN	SCHEDULE
BLKG	BLOCKING	JC	JANITOR'S CLOSET	SECT	SECTION
BRG	BEARING	JT	JOINT	SF	SEAMLESS FLOORING
BRK	BRICK	JT FLR	JOINT FILLER	SGFT	STRUCTURAL GLAZED FACING TILE
BRZ	BRASS	L	LINE OF STRUCTURAL ANGLE DESIGNATION	SHT	SHEET
BTM	BOTTOM	LAB	LABORATORY	SIM	SIMILAR
C TO C	CENTER TO CENTER	LAD	LADDER	SK	SINK
CAB	CABINET	LAM	LAMINATED	SL	SLOPE
CEM	CEMENT	LAV	LAVATORY	SLNT	SEALANT
CF	COMPRESSIBLE FILLER	LG	LAMINATED GLASS	SPEC	SPECIFICATION, SPECIFIED
CGFB	CEMENTITIOUS GLASS FIBER BOARD	LINO	LINOLEUM	SST	STAINLESS STEEL
CH	CONCRETE HARDENER	LKR	LOCKER	STD	STANDARD
CHAM	CHAMFER	LNTL	LOW POINT	STL	STEEL
CHAN	CHANNEL	LT	LIGHT(S)	STOR	STORAGE
CIP	CAST IN PLACE	MAS	MASONRY	STRU	STRUCTURE(S, URAL)
CJ	CONTROL JOINT	MATL	MATERIAL	STWY	STAIRWAY
CL OR	CENTERLINE	MAX	MAXIMUM	SUPT	SUPERINTENDENT
CLG	CEILING	MEMB	MEMBRANE	SUSP	SUSPENDED
CLKG	CAULKING	MFR	MANUFACTURER	T	TREAD(S)
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM	TBM	TRAFFIC BEARING MEMBRANE
COL	COLUMN	MISC	MISCELLANEOUS	T&G	TONGUE AND GROOVE
COMP	COMPRESSIBLE	MO	MASONRY OPENING	TEMP	TEMPERATURE
CONC	CONCRETE	MR	MOISTURE RESISTANT	TEMP	TEMPERED
CONT	CONTINUOUS	MRAT	MOISTURE RESISTANT ACOUSTICAL TILE	TEMP	TEMPORARY
CRPT	CARPET, CARPET TILE	MTD	MOUNTED	TER	TERRAZZO
CRS	COURSE(S)	MTG	MOUNTING	TERB	TERRAZZO BASE
CT	CERAMIC TILE	MTL	METAL	THK	THICKNESS
CET	DETAIL	NIC	NOT IN CONTRACT	THR	THRESHOLD
DF	DRINKING FOUNTAIN	NOM	MONINAL	TKBD	TACKBOARD
DIA	DIAMETER	NTS	NOT TO SCALE	TOB	TOP OF BRICK
DIAG	DIAGONAL	OC	ON CENTER	TOC	TOP OF CONCRETE
DIM	DIMENSION	OH	OVERHANG	TOIL	TOILET
DISP	DISPENSER	OPNG	OPENING	TOM	TOP OF MASONRY
DN	DOWN	OPH HD	OPPOSITE HAND	TOPG	TOPPING
DP	DAMP/PROOFING	ORD	OVERFLOW ROOF DRAIN	TOS	TOP OF STEEL
DR	DRAIN	OSB	ORIENTED STRAND BOARD	TS	STRUCTURAL TUBING (STEEL UNLESS NOTED)
ELEC	ELECTRICAL	OV	OVER	TSL	TOP OF SLAB
ELEV	ELEVATION	OVHD	OVERHEAD	TWF	THROUGH WALL FLASHING
EQ	EQUAL(LY)	PERIM	PERIMETER	TYP	TYPICAL
EQPT	EQUIPMENT	PL	PLATE	UC	UNDERCUT
EWG	ELECTRICAL WATER COOLER	PLAS	PROPERTY LINE	UON	UNLESS OTHERWISE NOTED
EXP	EXPOSED	PLK	PLANK	UR	URINAL
EJ	EXPANSION JOINT	PLYWD	PLYWOOD	VB	VAPOR BARRIER
EXIST, (E)	EXISTING	PM	PRESSED METAL	VCT	VINYL COMPOSITE TILE
FD	FLOOR DRAIN	PR	PAIR	VERT	VERTICAL
FE	FIRE EXTINGUISHER	PRD	PROMENADE ROOF DRAIN	VEST	VESTIBULE
FF	FACTORY FINISH	PRCST	PRECAST	VTR	VENT THRU ROOF
FGL	FIBERGLASS	PRFAB	PRE-FABRICATED	W	WITH
FIN	FINISHED	PT	PREASSURE TREATED	WI	WITH
FLG	FLASHING	PRMLD	PREMOLDED	W/A	WHERE APPLICABLE
FL	FLOOR(ING)	PSF	POUNDS PER SQUARE FOOT	W/O	WITHOUT
FLR	FILLER	PTD	PAINTED	WC	WATER CLOSET
FR	FRAME	QT	QUARRY TILE	WD	WOOD
FRP	FIBERGLASS REINFORCED PLASTIC	QTB	QUARRY TILE BASE	WDW	WINDOW
FO	FRAME OPENING	R	RISER(S)	WF	WIDE FLANGE
FV	FIELD VERIFY	R+S	BACKER ROD & SEALANT	WPG	WATERPROOFING
FXD	FIXED	RB	RUBBER BASE	WT	STEEL TEE-SHAPE DESIGNATION
GA	GAGE, GAUGE	RD	ROOF DRAIN	WWF	WELDED WIRE FABRIC
GALV	GALVANIZED	RECT	RECEPTACLE		
GL	GLASS				

GENERAL NOTES

- HEIGHT OF INTERIOR STUD AND CMU PARTITIONS ARE FROM FLOOR TO THE UNDERSIDE OF ROOF DECK UNLESS OTHERWISE NOTED. PROVIDE DEFLECTION HEADS AT TOP OF WALL (TYPICAL).
- NOT ALL EQUIPMENT IS SHOWN FOR CLARITY. REFER TO THE APPROPRIATE DISCIPLINE SHEETS FOR SPECIFIC EQUIPMENT LAYOUT AND OTHER REQUIREMENTS
- SEE CIVIL SHEETS FOR SIDEWALK, ROAD PAVING AND FINISH GRADE ELEVATIONS.
- SEE STRUCTURAL SHEETS FOR SIZE AND LOCATION OF CONCRETE PADS, TRENCHES, VAULTS, SUMPS, ETC
- SEE STRUCTURAL SHEETS FOR CONCRETE AND MASONRY REINFORCEMENT
- ALL INTERIOR CMU WALLS SHALL BE PROVIDED WITH INSULATION INSERTS (SEE SPEC 042000)
- PATCH AND REPAIR ANY MATERIALS OR SURFACES DAMAGED DURING THE CONSTRUCTION PROCESS TO MATCH THE EXISTING ADJACENT SURFACES.
- ALL ITEMS TO BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL JOINTS, VOIDS AND PENETRATIONS THROUGH FIRE-RATED WALL SYSTEMS ARE TO BE FILLED/SEALED WITH UL APPROVED FIRESAFING/FIRESTOPPING MATERIALS TO ACHIEVE THE REQUIRED FIRE-RATING (REFER TO CODE DRAWINGS FOR LOCATIONS).
- DO NOT SCALE FROM THE DRAWINGS
- NOTIFY ARCHITECT IF CONSTRUCTION DOCUMENTS DIFFER FROM ACTUAL FIELD CONDITIONS PRIOR TO FABRICATION OR NEW CONSTRUCTION
- THIS DRAWING CONTAINS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS. NOT ALL ITEMS SHOWN HERE APPEAR ON THE CONTRACT DRAWINGS.

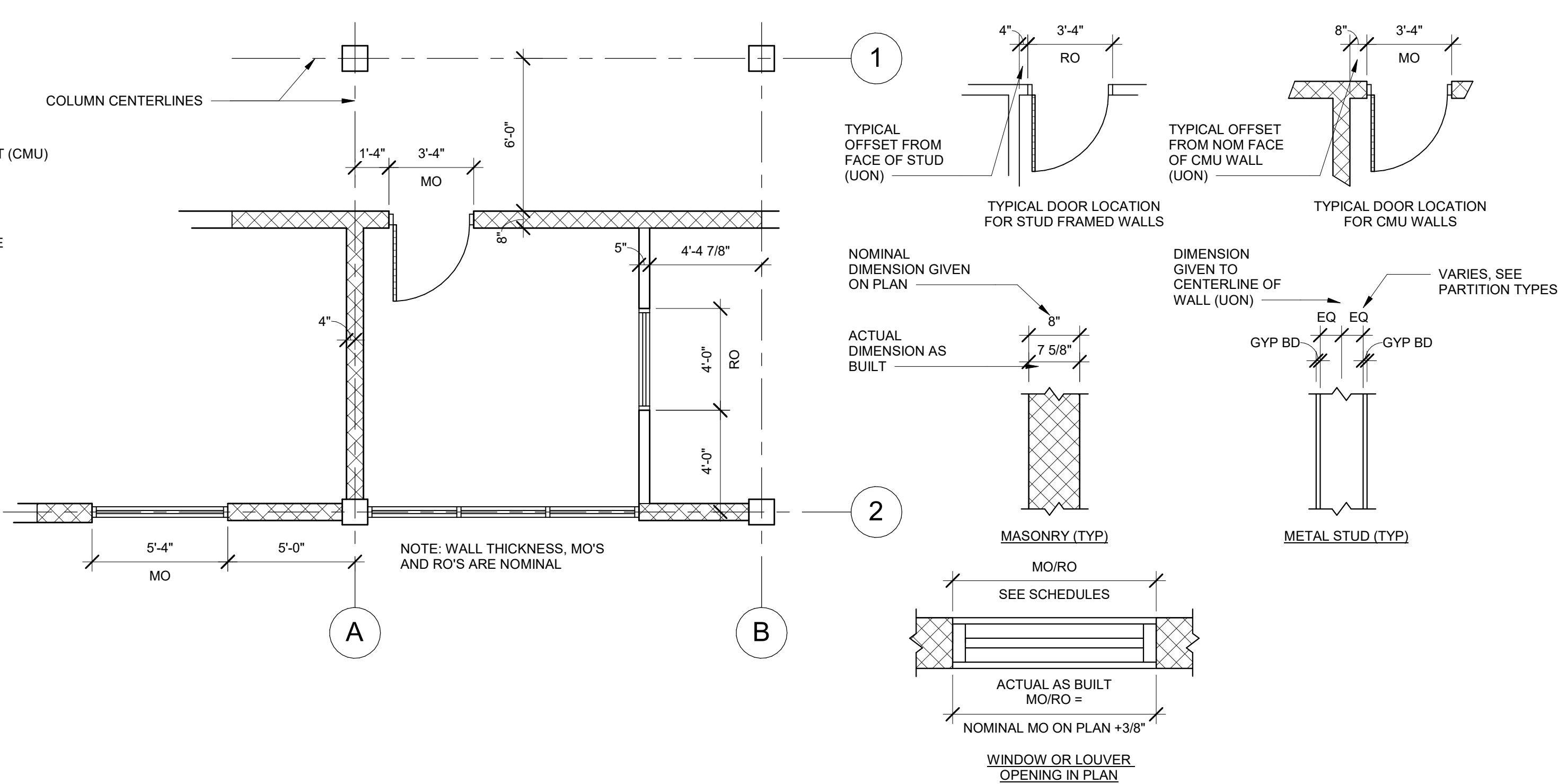
LINE TYPES (UNLESS OTHERWISE NOTED)

- CONTINUOUS - NEW CONSTRUCTION
- DASHED ON CONSTRUCTION PLAN/SHEETS - HIDDEN ELEMENTS BEYOND, ABOVE OR BELOW

MATERIAL SYMBOLS

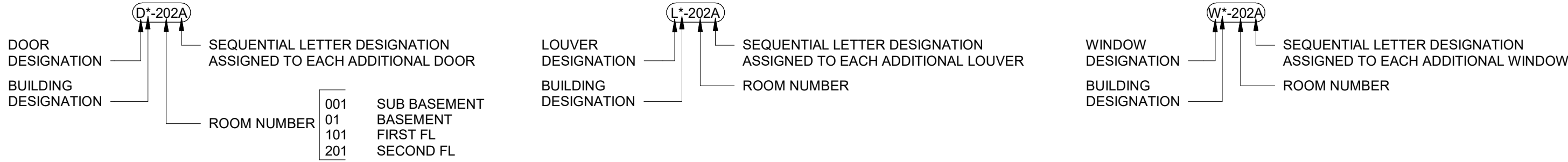
- EARTH
- GRAVEL
- BRICK
- CONCRETE MASONRY UNIT (CMU)
- PRECAST CONCRETE
- CAST-IN-PLACE CONCRETE
- WOOD BLOCKING
- WOOD FINISH
- PLYWOOD
- RIGID INSULATION
- BLANKET INSULATION
- STEEL
- ALUMINUM
- STUCCO / GROUT
- CAULK

DIMENSIONING SYSTEM

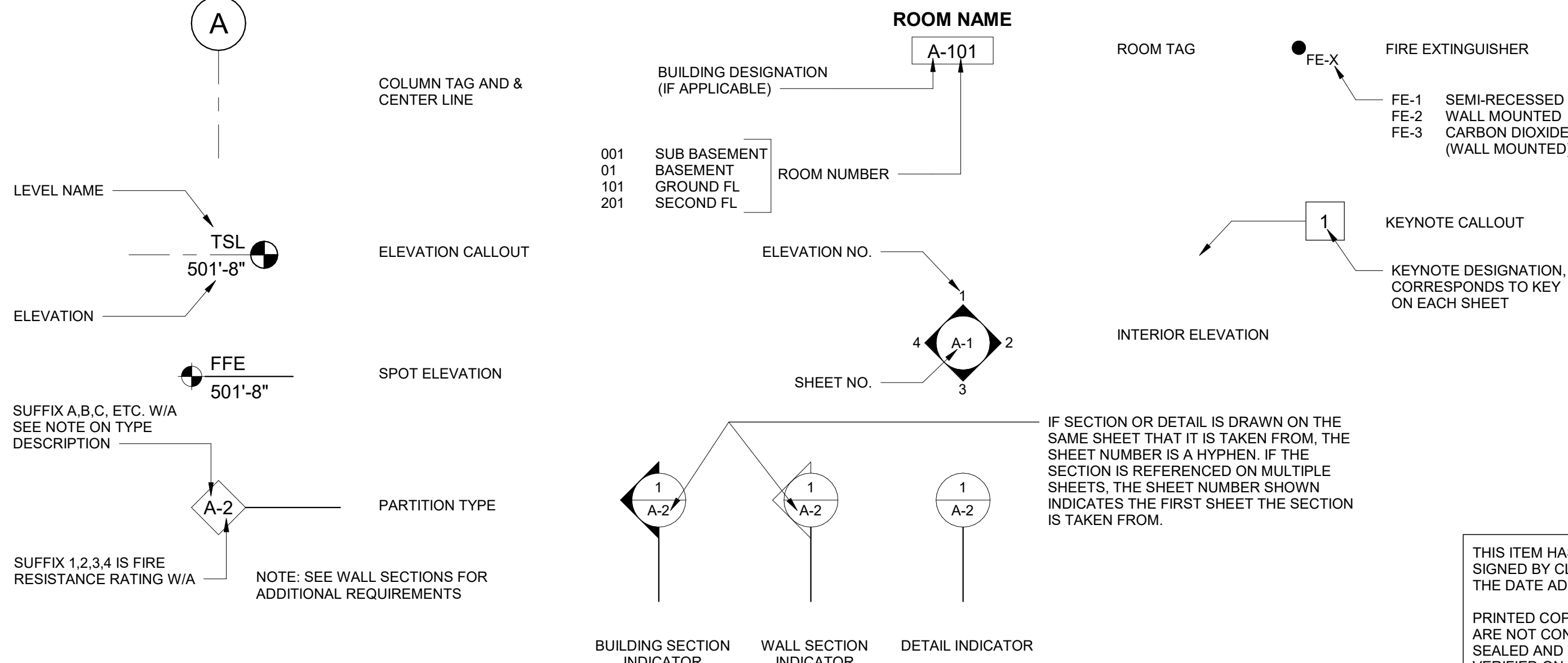


OPENINGS

USUALLY LABELED IN PLAN VIEW; HOWEVER, OPENINGS NOT SHOWN IN PLAN ARE LABELED ON ELEVATIONS

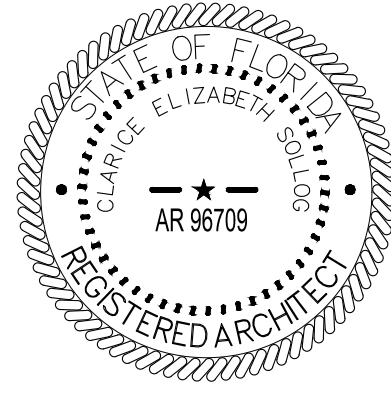


SYMBOLS



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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELTON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

ARCHITECTURAL ABBREVIATIONS, SYMBOLS, LEGENDS & NOTES

PROJECT NO. 159676-291242
FILE NAME: AWZ000GN.RVT
SHEET NO. A-GN-1

ISSUED FOR PERMITTING

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CHEMICAL CANOPY CODE KEY DETERMINATIONS

CODE REVIEWED - 2023 FBC, 8TH EDITION WITH AMENDMENTS
FLORIDA FIRE PREVENTION CODE (FFPC), 8TH EDITION WITH APPLICABLE AMMENDMENTS, NFPA 1 (2021) AND NFPA 101 (2021)
NFPA 400 HAZARDOUS MATERIALS CODE (2019)

CHEMICAL CANOPY - WEATHER PROTECTION

BUILDING CLASSIFICATION
FBC SECTION 414
FFPC SECTION 60.4.4.2
EXTERIOR BULK CHEMICAL STORAGE
OUTDOOR STORAGE AND USE, EXCEEDING MAXIMUM ALLOWABLE QUANTITY (SINGLE CONTROL AREA)

CONSTRUCTION TYPE
TYPE IIB, NON-COMBUSTIBLE CONSTRUCTION

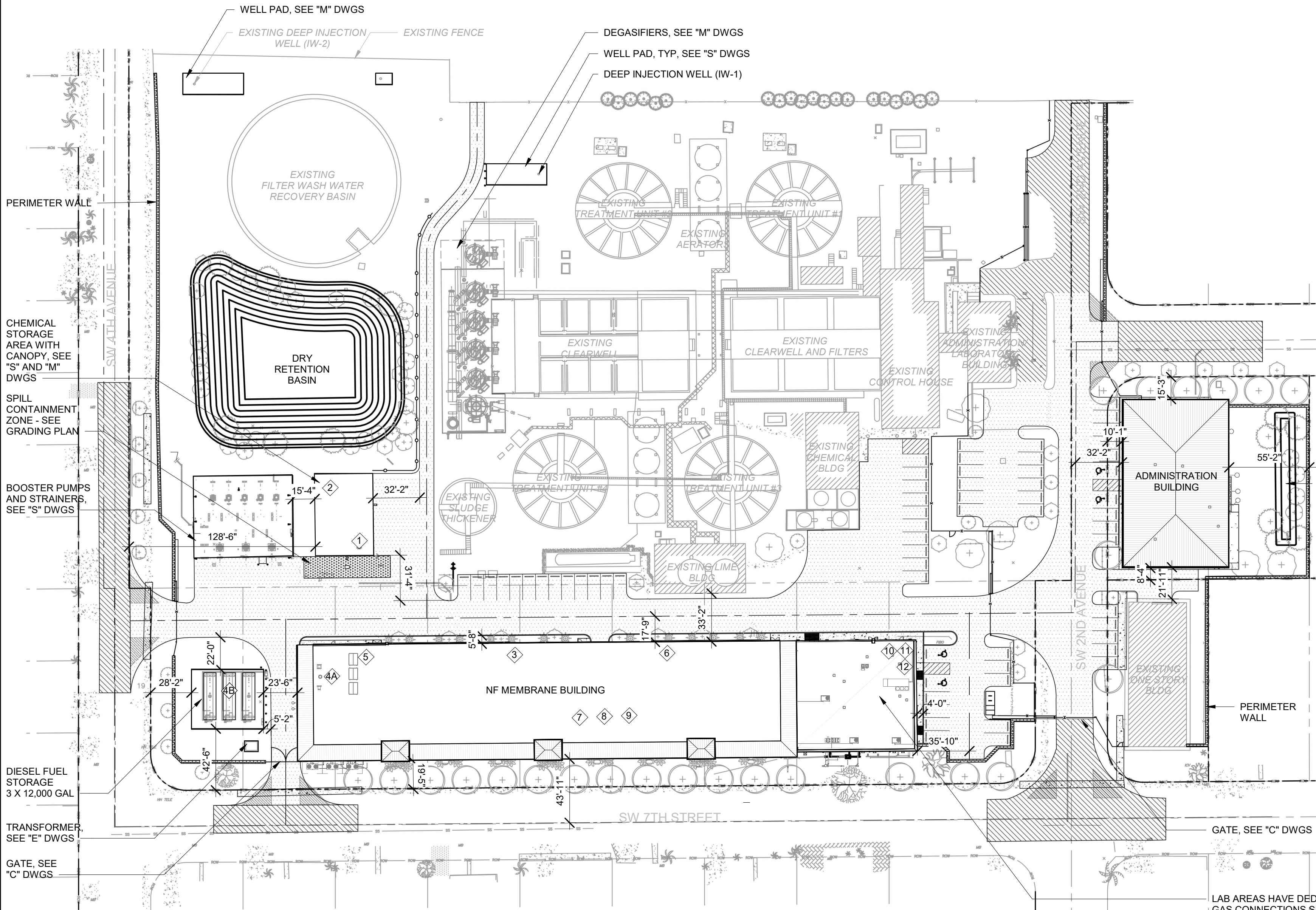
CANOPY AREA
FBC SECTION 414.6.1
ALLOWABLE 1500 SF
ACTUAL 2236 SF*

*ACTUAL SQUARE FOOTAGE IS ALLOWABLE BASED ON FRONTAGE INCREASE CALCULATION IN ACCORDANCE WITH FBC SECTION 506.3.

CHEMICALS STORED
SODIUM HYDROXIDE - IN COMPLIANCE WITH NFPA 400 SECTION 12.4
SULFURIC ACID - IN COMPLIANCE WITH NFPA 400 SECTION 12.4, 15.4, 18.4 AND 20.4

FIRE SEPARATION DISTANCE
REFER TO SITE PLAN; ALL NFPA 400 REQUIREMENTS FOR INDIVIDUAL CHEMICAL TYPES REQUIRE A MIN OF 20' FOOT SEPARATION FROM PROPERTY LINES, PUBLIC WAY, MEANS OF EGRESS TO PUBLIC WAY OR BUILDINGS NOT EXCLUSIVELY USED FOR CHEMICAL STORAGE, USE OR APPLICATION.

SEPARATION BETWEEN SODIUM HYDROXIDE AND SULFURIC ACID UNDER CANOPY IS PROVIDED BY AN UNPIERCED 2-HOUR FIRE RESISTENCE WALL MEETING ALL REQUIREMENTS OF NFPA 400 SECTION 18.4.1.3



SITE KEY PLAN
1" = 50'-0"

GENERAL NOTES:

- SEE SHEET A-1 FOR ADDITIONAL GENERAL NOTES
- THIS SITE PLAN IDENTIFIES STRUCTURES AND BUILDINGS IN THE ARCHITECTURAL SCOPE AND DEFINES BUILDING AND FIRE PROTECTION CODE RELATED SEPERATION OF DISTANCES
- REFER TO CIVIL, LANDSCAPE AND MECHANICAL DRAWINGS FOR ADDITIONAL STRUCTURES AND PROCESS FACILITIES
- SEE CIVIL DWGS FOR ADDITIONAL SITE INFORMATION
- SEE S-CSN-1, S-CSN-3 AND M-CSN-1 FOR CHEMICAL CANOPY DESIGN INCLUDING SECONDARY CONTAINMENT, CHEMICAL SEPARATION AND CANOPY CONSTRUCTION.

FOR BUILDING DEPARTMENT USE

CHEMICAL SUMMARY								NFPA RATING				PHYSICAL HAZARDS							HEALTH HAZARDS		
DESCRIPTION		USE GROUP WHEN MAX ALLOWABLE QTY. EXCEEDED	STATE (S, L, G)	CONCENTRATION (%)	TOTAL - MAX (GAL U.O.N)	STORAGE/USE?	MAX EXEMPT AMOUNT 307.1(1) AND 307.1(2)	HEALTH	FLAMMABILITY	REACTIVITY	SPECIAL	COMBUSTIBLE	CRYGENIC	EXPLOSIVE	FLAMMABLE	OXIDIZER	UNSTABLE REACTIVE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC/HIGHLY TOXIC
1	SULFURIC ACID CAS: 7664-93-9	H-4	L	93	10,545	EXT - STORAGE	N/A	3	0	0	OX/ W2	-	-	-	-	C-1	-	C-2	COR	IR	TOX
2	SODIUM HYDROXIDE CAS: 1310-73-2	H-4	L	25	49,000	EXT - STORAGE	N/A	3	0	0	-	-	-	-	-	-	-	C-1	COR	IR	-
3	ANTISCALANT CAS: N/A	-	L	-	1,100	INT - STORAGE	N/A	0	0	0	-	-	-	-	-	-	-	-	-	IR	-
4A	DIESEL FUEL CAS: 00169-00-0	-	L	MIX	550?	INT - STORAGE	660	2	2	0	-	C-2	-	-	-	-	-	-	-	-	-
4B	DIESEL CAS: 00169-00-00	-	L	MIX	36,000	EXT - STORAGE	48,000	2	2	0	-	C-2	-	-	-	-	-	-	-	-	-
5	DIESEL EXHAUST FUEL (UREA) CAS: 57-16-6*	-	L	-	2,000	INT - STORAGE	-	1	0	0	-	-	-	-	-	-	-	-	-	IR	-
6	CITRIC ACID CAS: 77-92-9	-	L	50	330	INT - STORAGE	N/A	2	0	0	-	-	-	-	-	-	-	-	-	IR	-
7	SODIUM HYDROXIDE CAS: 1310-73-2	H-4	L	50	110	INT - STORAGE	500	3	0	0	-	-	-	-	-	-	-	C-1	COR	IR	-
8	SULFURIC ACID CAS: 7664-93-9	H-4	L	93	22.3 LBS	USE - CLOSED	500 LBS	3	0	0	OX/ W2	-	-	-	-	C-1	-	C-2	COR	IR	TOX
9	ANTISCALANT CAS: N/A	-	L	-	1.5 LBS	USE - CLOSED	660	0	0	0	-	C-2	-	-	-	-	-	-	-	IR	-
10	ACETYLENE CAS: 74-86-2	-	G	100	36,000	STORAGE/ USE	48,000	0	4	2	-	-	-	-	C-1A	-	C-2	-	-	-	-
11	ARGON CAS: 7440-37-1	-	G	100	2,000	STORAGE/ USE	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-
12	HELIUM CAS: 7440-59-7	-	G	100	2,000	STORAGE/ USE	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-

*NOTE: VENDOR SUPPLIED SDS SHEET DOES NOT INDICATE A CAS NUMBER FOR SPECIFIED COMPOSITION, CAS NUMBER AND CHARACTERISTICS LISTED ARE THOSE OF LARGEST % BY WEIGHT CHEMICAL.

SITE PLAN LEGEND

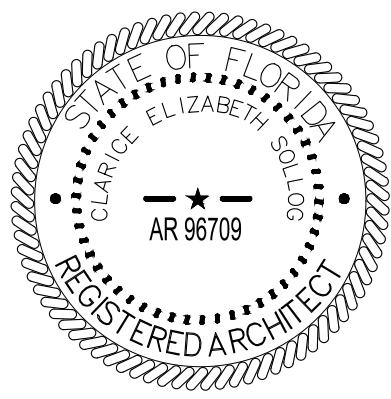
- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- PROPERTY LINE
- LOT LINE
- CENTER OF ACCESS TO PUBLIC WAY

FOR DEVELOPMENT SERVICES USE

0 25' 50' 100'
SCALE: 1" = 50'-0"

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CLARICE E. SOLLOG, AIA
NO. AR96709
FL. CORP. ARCHITECTURE AA-002781
101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWZ000GN.RVT

SHEET NO.

A-GN-2

ISSUED FOR PERMITTING

DESIGNED BY: C. WYNN
DRAWN BY: G. HOB DY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHEL DON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

ARCHITECTURAL SITE PLAN

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Building Code Key Determinations											
Owner:	City of Delray Beach			Date:	July 2025						
Project Name:	Delray Beach Membrane Treatment Plant			Location:	Delray Beach, Florida						
Project No:	159676-291242			Architect of Record:	Clarice E. Sollog, AIA						
Building Name:	NF Membrane Building										
Applicable Ordinances, Codes, and Standards											
Abbreviations	ICC - International Code Council; IBC - International Building Code; IPC - International Plumbing Code; IMC - International Mechanical Code; IECC - International Energy Conservation Code; IFC - International Fire Code; NEC - National Electrical Code; FBC - Florida Building Code										
Building Code	2023 FBC, 8th Edition, with applicable Amendments										
Plumbing Code	2023 FBC Plumbing, 8th Edition, with applicable Amendments										
Mechanical Code	2023 FBC Mechanical, 8th Edition, with applicable Amendments										
Electrical Code	2023 FBC Chapter 27; NFPA 70-2020 NEC, with applicable Amendments										
Energy Code	2023 FBC Energy Conservation, 8th Edition										
Fire / Life Safety Code	Florida Fire Prevention Code (FFPC), 8th Edition, with applicable Amendments, NFPA 1 (2021) and NFPA 101 (2021)										
Accessibility Code	2023 FBC Accessibility, 8th Edition										
Use and Occupancy Classification											
				FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)					
				Mixed Use (Y/N)		Yes		Provided			
				Section 306.1	F-1, Moderate Hazard Factory Industrial	Section 6.1.12	Industrial, Special Purpose (40.1.2.1.2)	F-1 - Process Area			
				Section 304.1	B, Business	6.1.11	Business (38.1.2)	B - Operations and Lab Areas			
General Building Heights and Areas											
				FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)					
				Section 503.1.1	N/A						
				Section 503.1.2	N/A			Refer to Sheet A-GN-2 for site layout			
				Allowable no. of stories/Allowable height		Allowable no. of stories/Allowable height					
				Table 504.3	S 3 stories/75 feet						
				Table 504.4	S 4 stories/75 feet			S: 1 story/ 34'-2"			
				Use Group B : Type IIB (S)				Calculated Height S: 1 story/ 28'-2"			
				Section 505	N/A	NFPA 101 Section 8.6.10					
				Allowable Square Footage		Allowable Square Footage		Provided			
				Table 506.2	62,000 SF			S1: 25,617 SF			
				Use Group B : Type IIB (S1)				S1: 6,660 SF			
				Unlimited Area Buildings				Total Footprint: 32,277 SF			
				Section 507	N/A						
				Section 508.4	Non-Separated Mixed Use, F-1 and B	NFPA 101 Section 6.1.14.3.1		Mixed Occupancy		No separation required	
				Section 509	N/A			N/A		N/A	
				Section 510	N/A			N/A		N/A	
				Special Provision	N/A			N/A		N/A	
Types of Construction											
				FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)					
				Section 602	Type IIB	8.2.1.2		Type IIB			
				Construction Classification	Type IIB						
				Fire-Resistance Rating Requirements (hours) for Building Elements	Type IIB	8.2.1.2					
				Building Element	Req'd Rating for Construction Type			Req'd Rating for Construction Type		Provided	
				Primary Structural Frame	0 hours			0 hours		0 hours	
				Bearing Walls (Exterior)	0 hours			0 hours		0 hours	
				Bearing Walls (Interior)	0 hours			0 hours		0 hours*	
				Non Bearing Walls and Partitions (Exterior)	0 hours			0 hours		0 hours	
				Non Bearing Walls and Partitions (Interior)	0 hours			0 hours		0 hours*	
				Floor Construction including supporting structure	0 hours			0 hours		0 hours	
				Roof Construction including supporting structure	0 hours			0 hours		0 hours	
				Corridors	0 hours with Sprinkler	NFPA 101 Section 7.1.3.1		Not Required		0 hours	
				*2-Hr Fire-rated walls provided at dedicated Electrical Rooms. Per NFPA 1, paragraph 13.3.2.29 sprinklers are provided in accordance with NFPA 13. NFPA 13, paragraph 9.2.6 allows sprinklers to be omitted from electrical equipment rooms where all four listed conditions are met. Proposed design of Main Electrical Room A-130 satisfies all necessary conditions.							
Fire and Smoke Protection Features											
				FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)					
				Minimum Distance of Projection	5 feet or greater FSD - 40 inches from line that determines FSD					Separation exceeds 40 inches from FSD, refer to A-GN-2	
				Exterior Walls	Table 705.2						
				Fire-Resistance Rating Requirements (hours) for Exterior Walls based on Fire Separation Distance (feet)	Req'd Rating for Occupancy			Req'd Rating for Construction Type		Provided	
				Fire Separation Distance in feet	10 ≤ X < 30			--		0 hours	
				X ≥ 30	0 hours			--		0 hours	
				Maximum percentage Area of Exterior Wall Openings based on Fire Separation Distance in feet	10 - 15 feet: 45%			--			
				Unprotected openings in walls of sprinklered buildings with fire separation distance: 10 < X < 30 and X ≥ 30	15 - 20 feet: 75%					In compliance	
				20 - 30 feet or greater: No Limit						2 hour Fire Barrier separating incidental use of dedicated Electrical Rooms per NFPA 13, 9.2.6	
				Fire Barriers	Section 707.3	Fire Barrier separating incidental use		NFPA 101 Section 8.3, Table 8.3.3.2.2		--	
				Penetrations	Section 714	Not less than required wall resistance rating		NFPA 101 Section 8.3.4		Not less than required wall resistance rating	
				Fire-Resistant Joint System	Section 715	Not less than required wall resistance rating		NFPA 101 Section 8.3.5		Not less than required wall resistance rating	
				FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)					
				Interior Wall and Ceiling Finish Requirements by Occupancy	Group F-1: Class C required	NFPA 1, 12.5.4, 20.13.3, 20.14.3		Class A or B		In compliance	
				Interior exit stairways and ramps and exit passageways (Sprinklered)	Group B: Class B required	NFPA 101 Section 9.7		Class A or B		In compliance	
				Corridors and enclosure for exit access stairways and ramps (Sprinklered)	Group F-1 & B: Class C required	NFPA 101 Section 8.3.3, 40.3.3		Class A or B		In compliance	
				Rooms and enclosed spaces (Sprinklered)	Group F-1 & B: Class C required			Class A, B or C		In compliance	
Fire Protection Systems											
				FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)					
				Automatic Sprinkler Systems	Section 903.2	Group F-1 - Required		NFPA 1, 13.3.2		Provided - F-1 Fire area exceeds 12,000 SF.	
				Group B - Not Required		NFPA 101 Section 9.7		Industrial - Required		Provided - B occupancy	
				*2-Hr Fire-rated walls provided at dedicated Electrical Rooms. Per NFPA 1, paragraph 13.3.2.29 sprinklers are provided in accordance with NFPA 13. NFPA 13, paragraph 9.2.6 allows sprinklers to be omitted from electrical equipment rooms where all four listed conditions are met. Proposed design of Main Electrical Room A-130 satisfies all necessary conditions.							
				Portable Fire Extinguishers	Section 906.1	(F-1) and (B) - Required		NFPA 1 Table 13.6.1.2		Required for Industrial and Business Occupancies	
				(F-1) Process, Light Hazard, Class A				(F-1) Process, Light Hazard, Class A		7	
				(F-1) Main Electrical Room and Generator Room, Light Hazard Light Hazard, Class C				(F-1) Main Electrical Room and Generator Room, Light Hazard, Class C		5	
				(B) Operations Area: Ordinary Hazard, Class A				(B) Operations Area, Ordinary Hazard, Class A		16	
				(B) Electrical Room, Light Hazard, Class C				(B) Electrical Room, Light Hazard, Class C		1	
				(B) Server Room, Light Hazard, Class C				(B) Server Room, Light Hazard, Class C		1	
				Fire Alarm and Detection Systems	Section 903.4 and 907	Required with automatic sprinkler system		NFPA 1, 13.7, NFPA 101 9.6		Required with automatic sprinkler system	

Means of Egress			FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		Provided							
Occupant Load														
Maximum Floor Area Allowances per Occupant			Table 1004.5		NFPA 101 Table 7.3.1.2		Business Areas = 150 SF per person							
			Ground Level (B) = 150 SF gross per occupant				(B) - 6,600 SF / 100 SF = 44.4							
			Industrial areas = 100 SF gross per occupant				Industrial area - 100 SF or MP							
			Ground Level (F-1) - 25,655 SF / 100 SF = 256.5				Ground Level (F-1) - 26,617 SF / 100 SF = 256.5							
Means of Egress Sizing			Section 1005											
Stairway width			Section 1005.3.1				N/A							
Other egress components = Doors width			Section 1005.3.2				374 inches total							
Number of Exits			Section 1006		NFPA 101 7.4, 38.2.4.1, 40.2.4.1.1		F-1: 5 exits, B: 3 exits (8 total)							
Means of Egress Illumination			Section 1008		NFPA 101 7.8		In compliance							
Accessible Means of Egress			Section 1009		NFPA 101 7.5.4		--							
Doors, Gates and Turnstiles							Accessible areas in compliance							
Size of Doors			Section 1010.1.1		NFPA 101 7.2.1		Minimum Width = 32 inches							
Door Swing			Section 1010.1.2				--							
Stairways			Section 1011		NFPA 101 7.2.2		N/A							
Ramps			Section 1012		NFPA 101 7.10		Required throughout							
Exit Signs			Section 1013		NFPA 101 7.2.2.4.1		N/A							
Handrails			Section 1014				N/A							
Guards			Section 1015		Required at all locations 30" or more above grade		Required at all locations 30" or more above grade							
Exit Access			Section 1016				In compliance							
Exit Access Travel Distance			Table 1017.2		NFPA 101 7.6, 38.2.6, 40.2.6.1		Business - 300 feet maximum w/ sprinklers							
Minimum Corridor Width			Table 1020.3		NFPA 101 38.2.3.2 Table 40.2.5.3.1		Business - 44 inches minimum serving an occupant load of 50 or more							
Exterior Exit Ramps and Stairways			Section 1027				Equipment Access Walkways - 22 inches minimum							
Exit Discharge			Section 1028		Required to be directly to exterior and at grade		Required to be directly to exterior and at grade							
Accessibility			FBC Accessibility, 8TH EDITION (2023)											
Designed in accordance with FBC Accessibility			Chapter 2		Factory Industrial Occupancy		Process Area, Generator Room and Main Electrical Room, are not required to comply.							
					Business Occupancy		No exemptions.							
Interior Environment			FBC, 8TH EDITION (2023)											
Ventilation			Section 1203		Paragraph 1203.1 General		In compliance, see "H" drawings							
Temperature Control			Section 1204		Paragraph 1204.1 Equipment and systems		In compliance, see "H" drawings							
Lighting			Section 1205		Paragraph 1205.3 Artificial light		In compliance, see "E" drawings							
Interior Space Dimensions			Section 1208		Paragraph 1208.2 Minimum Ceiling Heights		In compliance, see "A" drawings							
Access to Unoccupied Spaces			Section 1209		Paragraph 1209.3 Mechanical Appliances		N/A							
Plumbing Systems			FBC, 8TH EDITION (2023)											
Minimum Plumbing Facilities			Table 2902.1		Factory and Industrial Occupancy - 257 occupants		Required		Total Provided					
					Male		Female							
					Water Closets (Urinals)		1 per 100; 1,29		1 per 100; 1,29		2 male, 2 female and 1 unisex provided			
					Lavatories		1 per 100; 1,29		1 per 100; 1,29		2 male, 2 female and 1 unisex provided			
					Bathtub/Showers				N/A		1 shower - Womens			
					Drinking Fountains				1 per 400; 0.64		2 total			
					Other - Service Sink				1 service sink		1 total			
					B Occupancy - 45 occupants		Male		Female					
					Water Closets (Urinals)		1 per 25 for the first 50 & 1 per 50 for the remainder exceeding 50; 1.8		1 per 25 for the first 50 and 1 per 80 for the remainder exceeding 50; 1.8		2 male, 2 female and 1 unisex provided			
					Lavatories		1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80; 1,125		1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80; 1,125		2 male, 2 female and 1 unisex provided			
					Bathtub/Showers				N/A		1 shower - Womens			
					Drinking Fountains				1 per 100; 0.45		2 total			
					Other - Service Sink				1 service sink		1 total			
					NF MEMBRANE BUILDING APPROVED PRODUCTS LIST									
					PRODUCT NAME			MANUFACTURER		MODEL		FL PRODUCT APPROVAL		APPROVAL NUMBER
DOUBLE WIDTH ALUMINUM DOOR AND FRAME			CLINE		SERIES 100BE (D)		YES		6336.8		+80/-80			
SINGLE WIDTH ALUMINUM DOOR AND FRAME			CLINE		SERIES 100BE (S)		YES		6336.6		+90/-90			
INSULATED OVERHEAD ROLL-UP DOOR			COOKSON		INSULATED ESD20		YES		17421.2		+120/-120			
WIND DRIVEN RAIN LOUVERS			GREENHECK		EVH-660D		YES		16785.1		+160/-140			
SBS MODIFIED BITUMEN ROOF SYSTEM			JOHNS MANVILLE		SBS-ADHESIVE APPLIED		YES		2948.1		+NA/-247.5			
THERMALLY BROKEN ALUMINUM STOREFRONT/WINDOW SYSTEM			YKK		YHS 50 TU		YES		14218.11		+70/-70			
THERMALLY BROKEN ALUMINUM STORE WINDOW SYSTEM			YKK		YFW 400 TUH		YES		13269.1		+90/-120			
THERMALLY BROKEN ALUMINUM CASEMENT WINDOW SYSTEM			YKK		YOW 350 TUH		YES		16312.8		+65/-65			
STANDING SEAM METAL ROOF			PAC-CLAD		TITE-LOC PLUS (.032")		YES		24423.12		+N/A/-204.25			
NOTE: APPROVED PRODUCTS LIST IS A LISTING OF THE DESIGN BASIS PRODUCTS AND THE APPLICABLE APPROVED FLORIDA STATE PRODUCT DATA/TESTING. CONTRACTOR CAN SUBMIT "OR EQUAL" PRODUCTS BUT IS RESPONSIBLE FOR PRODUCT APPROVAL AND COORDINATION OF THAT INFORMATION WITH BUILDING DEPARTMENT.														

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Building Code Key Determinations						
Owner:	City of Delray Beach			Date:	July 2025	
Project Name:	Delray Beach Membrane Water Treatment Plant			Location:	Delray Beach, Florida	
Project No:	159676-291242			Architect of Record:	Clarice E. Sollog, AIA	
Building Name:	Administration Building					
Applicable Ordinances, Codes, and Standards						
Abbreviations	ICC - International Code Council; IBC - International Building Code; IPC - International Plumbing Code; IMC - International Mechanical Code; IECC - International Energy Conservation Code; IFC - International Fire Code; NEC - National Electrical Code; FBC - Florida Building Code					
Building Code	2023 FBC, 8th Edition, with applicable Amendments					
Plumbing Code	2023 FBC Plumbing, 8th Edition, with applicable Amendments					
Mechanical Code	2023 FBC Mechanical, 8th Edition, with applicable Amendments					
Electrical Code	2023 FBC Chapter 27; NFPA 70-2020 NEC, with applicable Amendments					
Energy Code	2023 FBC Energy Conservation, 8th Edition					
Fire / Life Safety Code	Florida Fire Prevention Code (FFPC), 8th Edition, with applicable Amendments, NFPA 1 (2021) and NFPA 101 (2021)					
Accessibility Code	2023 FBC Accessibility, 8th Edition					
Use and Occupancy Classification						
		FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		Provided
	Mixed Use (Y/N)		NO			
	Occupancy	Section 304.1	B, Business	NFPA 101 Section 6.1.11	Business	B - Administration Building
General Building Heights and Areas						
		FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		
	Special Industrial Occupancies	Section 503.1.1	N/A			Refer to Sheet A-GN-2 for site layout Provided
	Buildings on Same Lot	Section 503.1.2				
			Allowable no. of stories/Allowable height		Allowable no. of stories/Allowable height	
	Use Group B : Type IIB (NS)	Table 504.3 Table 504.4	3 stories/55 feet			NS: 1 story/ 19'-10" Calculated Height NS: 1 story/ 16'-1"
	Mezzanines and Equipment Platforms	Section 505	N/A	NFPA 101 Section 8.6.10	N/A	
			Allowable Square Footage		Allowable Square Footage	Provided
	Use Group B : Type IIB (NS)	Table 506.2	23,000 SF			NS: 7,117 SF Total Footprint: 7,118 SF
	Unlimited Area Buildings	Section 507	N/A			
	Mixed Use and Occupancy	Section 508.4	N/A	NFPA 101 Section 6.1.14.3.1	N/A	N/A
	Incidental Use	Section 509	N/A		N/A	N/A
	Special Provision	Section 510	N/A		N/A	N/A
Types of Construction						
		FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		
	Construction Classification	Section 602	Type IIB	8.2.1.2	Type IIB	
	Fire-Resistance Rating Requirements (hours) for Building Elements					
	Building Element		Req'd Rating for Construction Type		Req'd Rating for Construction Type	Provided
	Primary Structural Frame	Table 601	0 hours	Table A.8.2.1.2	0 hours	0 hours
	Bearing Walls (Exterior)		0 hours		0 hours	0 hours
	Bearing Walls (Interior)		0 hours		0 hours	0 hours
	Non Bearing Walls and Partitions (Exterior)		0 hours		0 hours	0 hours
	Non Bearing Walls and Partitions (Interior)		0 hours		0 hours	0 hours
	Floor Construction including supporting structure		0 hours		0 hours	0 hours
	Roof Construction including supporting structure		0 hours		0 hours	0 hours
	Corridors	Section 1020.2	1 hour (NS)	NFPA 101 Section 7.1.3.1	1 hour	1 hour
Fire and Smoke Protection Features						
		FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		
	Minimum Distance of Projection					
	Exterior Walls	Table 705.2	5 feet or greater FSD - min 40 inches from line that determines FSD			Separation far exceeds 40 inches from FSD, refer to A-GN-2
	Fire-Resistance Rating Requirements (hours) for Exterior Walls based on Fire Separation Distance (feet)					
	Fire Separation Distance in feet		Req'd Rating for Occupancy		Req'd Rating for Construction Type	Provided
	10 ≤ X < 30	Table 705.5	0 hours		--	0 hours
	X ≥ 30		0 hours		--	0 hours
	Maximum percentage Area of Exterior Wall Openings based on Fire Separation Distance in feet					
	Unprotected openings in walls of nonsprinklered buildings with fire separation distance 10 ≤ X < 30 and X ≥ 30	Table 705.8	20 - 25 feet: 45% 30 or greater: No Limit			In compliance
	Fire Partitions	Section 708	not less than 1 hour	NFPA 101 Section 8.3.2, Table 8.3.3.2.2	1 hour, 45 min rated door and sidelite	In compliance with required ratings
	Penetrations	Section 714	Not less than required wall resistance rating	NFPA 101 Section 8.3.4	Not less than 1 hour or required wall resistance rating	In compliance with required ratings
	Fire-Resistant Joint System	Section 715	Not less than required wall resistance rating	NFPA 101 Section 8.3.5	Not less than 1 hour or required wall resistance rating	
Interior Finishes						
		FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		
	Interior Wall and Ceiling Finish Requirements by Occupancy					
	Interior exit stairways and ramps and exit passageways (Not Sprinklered)	Table 803.11	Group B: Class A required	NFPA 1, 12.5.4 NFPA 101 10.2, 38.3.3	Class A or B	In compliance
	Corridors and enclosure for exit access stairways and ramps (Not Sprinklered)		Group B: Class B required		Class A or B	In compliance
	Rooms and enclosed spaces (Not Sprinklered)		Group B: Class C required		Class A, B or C	In compliance
Fire Protection Systems						
		FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		
	Automatic Sprinkler Systems	Section 903.2	Not required per occupancy classification	NFPA 1 13.3.2, NFPA 101 Section 9.7	Not Required	Not Required
	Portable Fire Extinguishers	Section 906.1	(B) - Required	NFPA 1, Table 13.6.1.2	Required	11 provided
	Size and distribution	Section 906.3	(B) Administration Area: Ordinary Hazard, Class A (B) Electrical Room: Light Hazard, Class C	NFPA 1, 13.6.3.2, 13.6.3.4, NFPA 101, 9.9	(B) Administration Area: Ordinary Hazard, Class A (B) Electrical Room: Light Hazard, Class C	9 1
	Fire Alarm and Detection Systems	Section 907	Not required per occupancy classification	NFPA 1, 13.7, NFPA 101 9.6	Not Required	Not Required

Means of Egress					
	FBC, 8TH EDITION (2023)		FFPC, 8TH EDITION (NFPA 1, NFPA 101)		Provided
Occupant Load					
		Business Areas = 150 SF gross per occupant Assembly, Unconcentrated = 15 net Ground Level (B) = 6,384 SF / 150 SF = 42.6 Training Room (B) = 733 SF / 15 SF = 48.9 * Below threshold of section 303.1.2 and classified as B occupancy	NFPA 101 Table 7.3.1.2	Business Areas = 150 SF per person Collaboration Rooms > 450 SF = 15 SF per person (B) = 6,385 SF / 150 SF = 42.6 Training Room = 733 SF / 15 SF = 48.9	43 Occupants 49 Occupants Total Calculated Occupant Load: 92
Maximum Floor Area Allowances per Occupant	Table 1004.5				
Means of Egress Sizing	Section 1005				
Stairway width	Paragraph 1005.3.1	0.3 inches x occupant load = 0.3 x 87 = 26.1 in.	NFPA 101 Table 7.3.3.1	0.3 inches x occupant load = 0.3 x 87 = 26.1 in.	N/A
Other egress components = Doors width	Paragraph 1005.3.2	0.2 inches x occupant load = 0.2 x 87 = 17.4 in.	NFPA 101 Table 7.3.3.1	0.2 inches x occupant load = 0.2 x 87 = 17.4 in.	111 inches clear
Number of Exits	Section 1006.2	2 exits with occupant load of >30, common path of travel exceeds 75 FT	NFPA 101 7.4, 38.2.4.1, 38.2.5.2.2	Not less than 2 means of egress, common path of travel not to exceed 75 FT	2 exits provided
Means of Egress Illumination	Section 1008		NFPA 101 7.8		In compliance
Accessible Means of Egress	Section 1009	See Chapter 11 below	NFPA 101 7.5.4	--	
Doors, Gates and Turnstiles					
Size of Doors	Section 1010.1.1	Minimum Width = 32 inches	NFPA 101 7.2.1	Minimum Width = 32 inches	34 inches
Door Swing	Section 1010.1.2	Pivoted or side-hinged swinging type		--	In compliance
Stairways	Section 1011		NFPA 101 7.2.2		N/A
Ramps	Section 1012	slope not to exceed 1:12			N/A
Exit Signs	Section 1013	Required throughout	NFPA 101 7.10	Required throughout	In compliance
Handrails	Section 1014		NFPA 101 7.2.2.4.1		N/A
Guards	Section 1015	Required at all locations 30" or more above grade		Required at all locations 30" or more above grade	N/A
Exit Access	Section 1016				In compliance
Exit Access Travel Distance	Table 1017.2	Group B, 200 feet maximum	NFPA 101 7.6, 38.2.6	200 feet max travel distance to exit	136 feet maximum, refer to Life Safety Plan
Minimum Corridor Width	Table 1020.3	Any Facilities - 44 inches minimum	NFPA 101 38.2.3.2	44 inches minimum, serving an occupant load of 50 or more	72 inches provided
Exterior Exit Ramps and Stairways	Section 1027				N/A
Exit Discharge	Section 1028	Required to be directly to exterior and at grade	NFPA 101 7.7	Required to be directly to exterior and at grade	In compliance
Accessibility					
	FBC Accessibility, 8TH EDITION (2023)				
	Designed in accordance with FBC Accessibility	Chapter 2	Business Occupancy	No exemptions.	In compliance
Interior Environment					
	FBC, 8TH EDITION (2023)				
Ventilation	Section 1203	Paragraph 1203.1 General			In compliance, see "H" drawings
Temperature Control	Section 1204	Paragraph 1204.1 Equipment and systems			In compliance, see "H" drawings
Lighting	Section 1205	Paragraph 1205.3 Artificial light			In compliance, see "E" drawings
Interior Space Dimensions	Section 1208	Paragraph 1208.2 Minimum Ceiling Heights			In compliance, see "H" drawings
Access to Unoccupied Spaces	Section 1209	Paragraph 1209.3 Mechanical Appliances			N/A
Plumbing Systems					
	FBC, 8TH EDITION (2023)				
		B Occupancy - 87 occupants	Male	Female	Provided
		Water Closets (Urinals)	1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50	1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50	2 each
		Lavatories	1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80	1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80	3 each
		Bathroom/Showers	N/A		N/A
		Drinking Fountains	1 per 100; 1		2 total
		Other - Service Sink	1 service sink		1 total

ADMINISTRATION BUILDING APPROVED PRODUCT LIST							
PRODUCT NAME	MANUFACTURER	MODEL	FL PRODUCT APPROVAL	APPROVAL NUMBER	DESIGN PRESSURE	IMPACT RATED	
DOUBLE WIDTH ALUMINUM STOREFRONT DOOR	YKK	35H MEDIUM STILE	YES	16554.1	+90/-90	YES	
SINGLE WIDTH ALUMINUM STOREFRONT DOOR	YKK	35D MEDIUM STILE	YES	12892.3	+55/-55	N/A	
STANDING SEAM METAL ROOFING	PAC-CLAD	TITE-LOC PLUS (.032")	YES	24423.12	+N/A/-204.25	N/A	
THERMALLY BROKEN ALUMINUM FIXED WINDOW SYSTEM	YKK	YFW 400 TUH	YES	13269.1	+90/-120	YES	
WIND DRIVEN RAIN LOUVERS	RUSKIN COMPANY	EME3625MD	YES	21829.9	+120/-120	YES	

NOTE: APPROVED PRODUCTS LIST IS A LISTING OF THE DESIGN BASIS PRODUCTS AND THE APPLICABLE APPROVED FLORIDA STATE PRODUCT DATA/TESTING. CONTRACTOR CAN SUBMIT "OR EQUAL" PRODUCTS BUT IS RESPONSIBLE FOR PRODUCT APPROVAL AND COORDINATION OF THAT INFORMATION WITH BUILDINGDEPARTMENT.

GENERAL NOTES:

- SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES
- SEE SHEET A-AB-1 FOR LIFE SAFETY PLAN

REV. NO.	DATE	DRWN	CHKD	REMARKS	

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBODY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

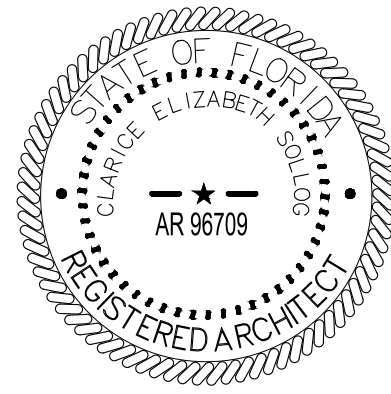
ADMINISTRATION BUILDING
BUILDING CODE KEY DETERMINATIONS

PROJECT NO. 159676-291242
FILE NAME: AW2000OB.RVT
SHEET NO.
A-GN-4

ISSUED FOR PERMITTING

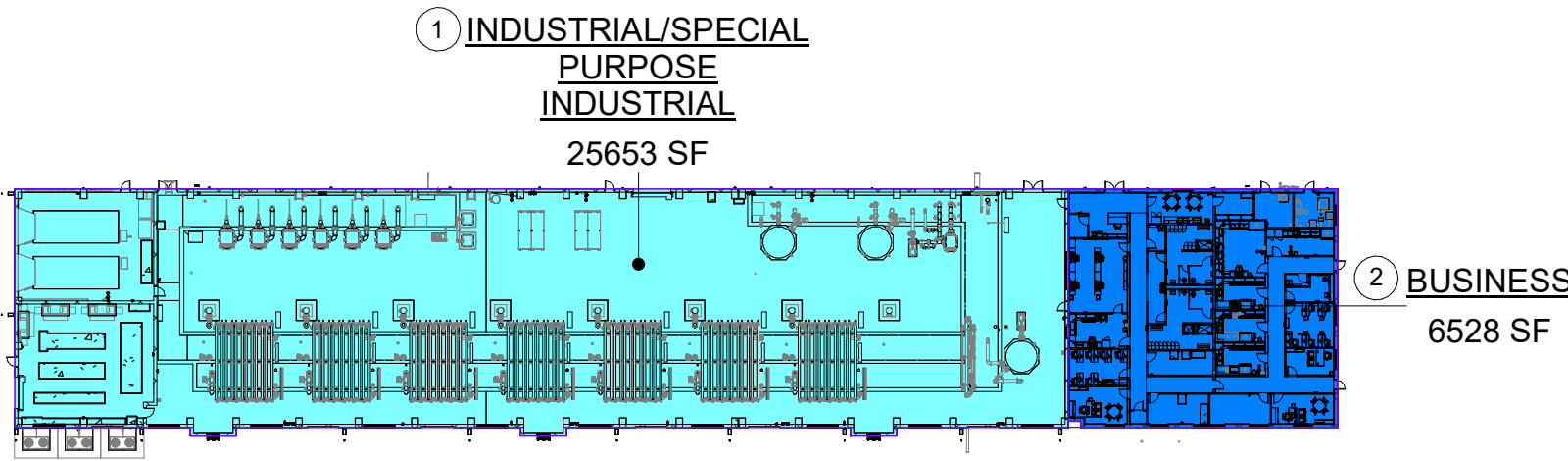
THIS ITEM HAS BEEN DIGITALLY
SIGNED BY CLARICE E. SOLLOG ON
THE DATE ADJACENT TO THE SEAL.

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SEALED AND THE SIGNATURE MUST BE
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CLARICE E. SOLLOG, AIA
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101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

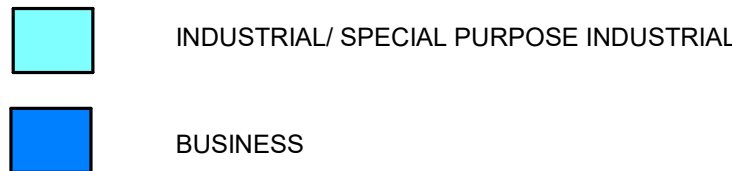
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OCCUPANT LOAD KEY PLAN
1" = 80'-0"

CALCULATED OCCUPANT LOAD						
NUMBER	SPACES	AREA	SF PER OCCUPANT (FBC)	OCCUPANT LOAD (FBC)*	SF PER OCCUPANT (FFPC)	OCCUPANT LOAD (FFPC)*
1	INDUSTRIAL/SPECIAL PURPOSE INDUSTRIAL	25653 SF	100	257	100	257
2	BUSINESS	6528 SF	150	44	150	44
*MORE STRINGENT REQUIREMENTS TO BE USED FOR EGRESS			TOTAL OCCUPANTS (FBC)		301	TOTAL OCCUPANTS (FFPC)
					301	

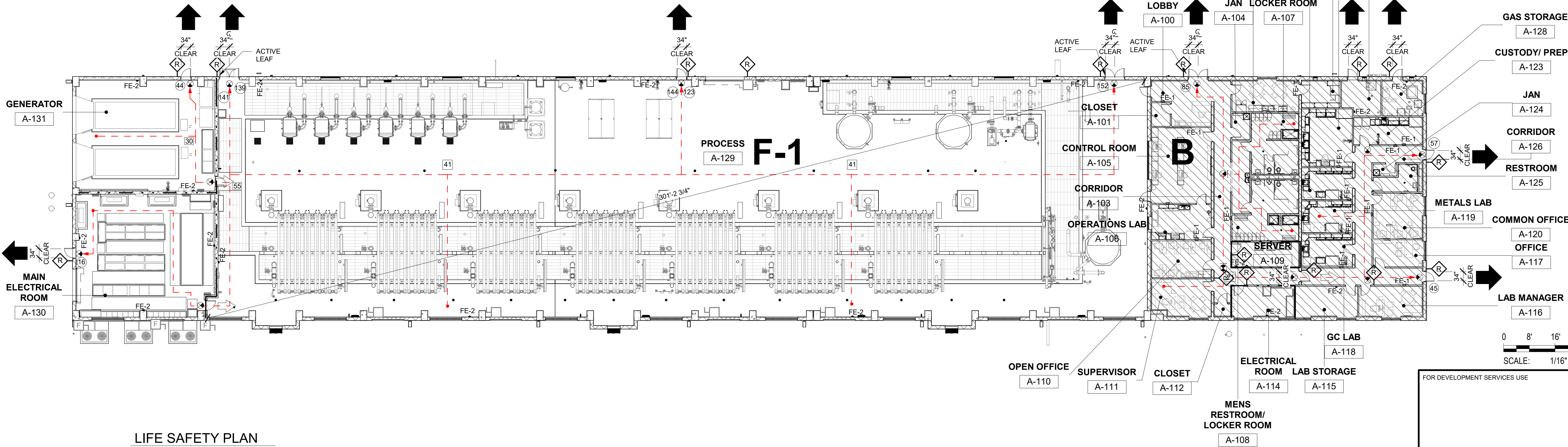
OCCUPANT LOAD FACTOR PER TABLE 1004.5



GENERAL NOTES:

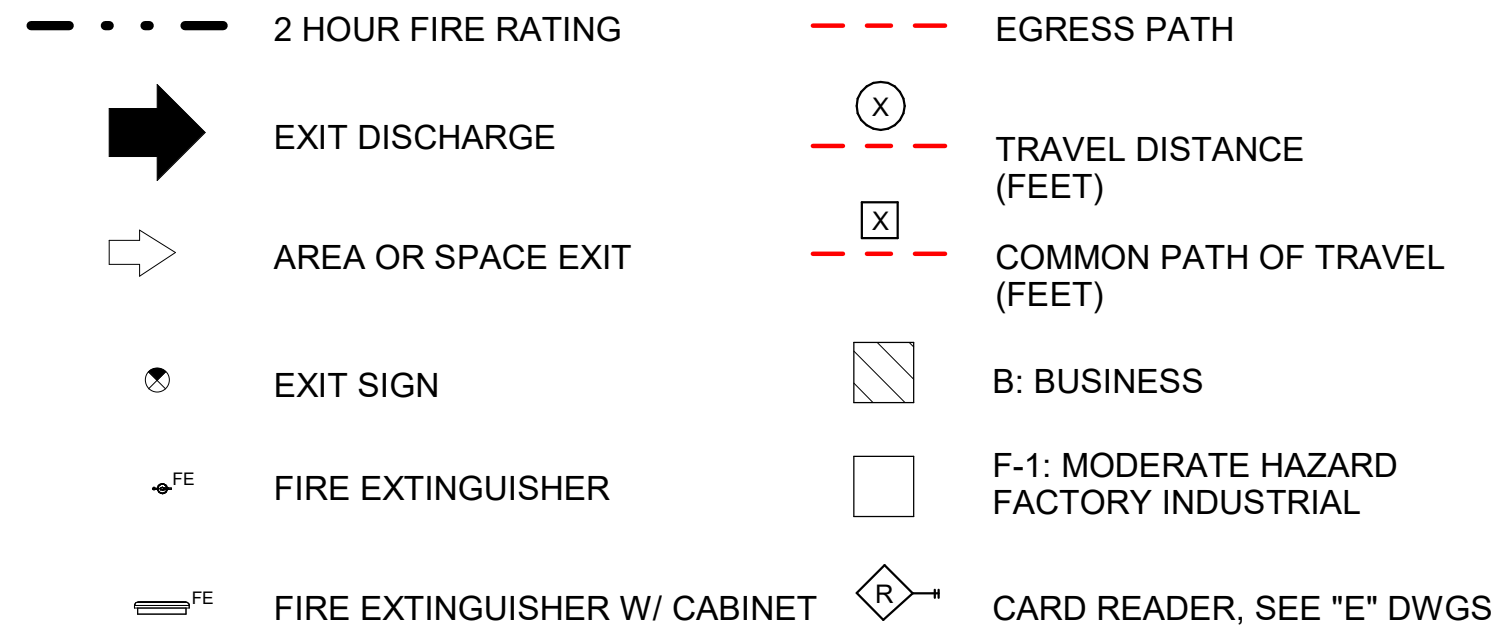
1. SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS
2. SEE SHEET A-GN-3 FOR BUILDING CODE KEY DETERMINATIONS
3. 3. SEE SHEET A-GN-2 FOR ARCHITECTURAL SITE PLAN AND BUILDING SITING INFORMATION INCLUDING SEPERATION FROM ADJACENT STRUCTURES, ETC.
4. SEE SHEET A-NF-20 REFLECTED CELING PLAN AND "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.
5. LAB AREAS HAVE DEDICATED GAS CONNECTIONS SERVED BY GAS STORAGE ROOM. NO OTHER BULK CHEMICALS ARE STORED IN LABS IN EXCESS OF ALLOWABLE QUANTITIES AND ALL LAB DESIGN IS IN COMPLIANCE WITH THE FLORIDA FIRE PREVENTION CODE AND REFERENCED NFPA SECTIONS.

FOR BUILDING DEPARTMENT USE

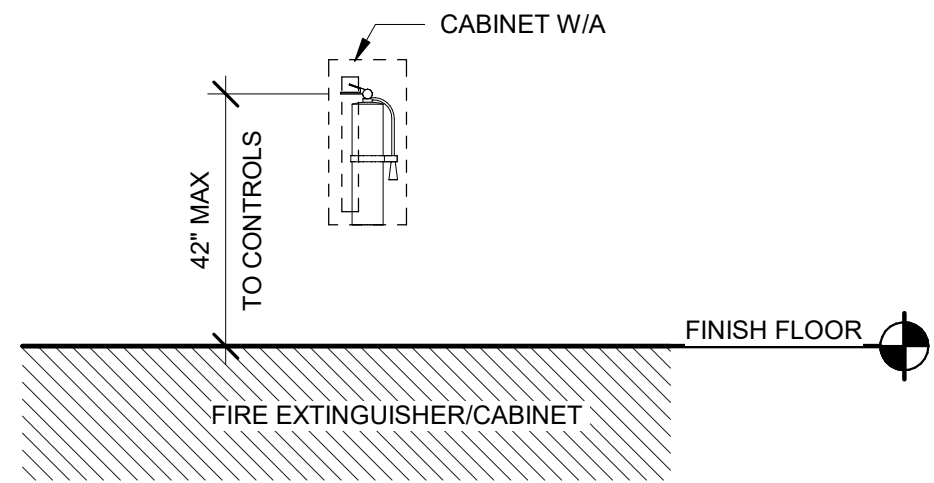


LIFE SAFETY PLAN
1/16" = 1'-0"

LIFE SAFETY LEGEND



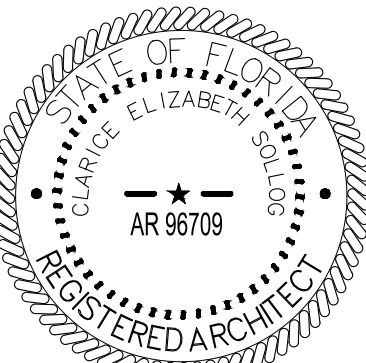
FIRE EXTINGUISHER MOUNTING HEIGHT



NF BUILDING FIRE EXTINGUISHER SCHEDULE					
TAG	QTY	MODEL	MANUFACTURER	DESCRIPTION	
FE-1	13	ACADEMY 1027 (COSMIC 10E)	JL INDUSTRIES (ACTIVAR INC)	NON-RATED WALL, 3" ROLLED, ADA COMPLIANT CABINET W/ 10LB DRY CHEMICAL	
FE-2	17	COSMIC 10E UL RATED 4A-80BC	JL INDUSTRIES (ACTIVAR INC)	10 LB DRY CHEMICAL, BRACKET MOUNTED	

THIS ITEM HAS BEEN DIGITALLY SIGNED BY CLARICE E. SOLLOG ON THE DATE ADJACENT TO THE SEAL.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
LIFE SAFETY PLAN

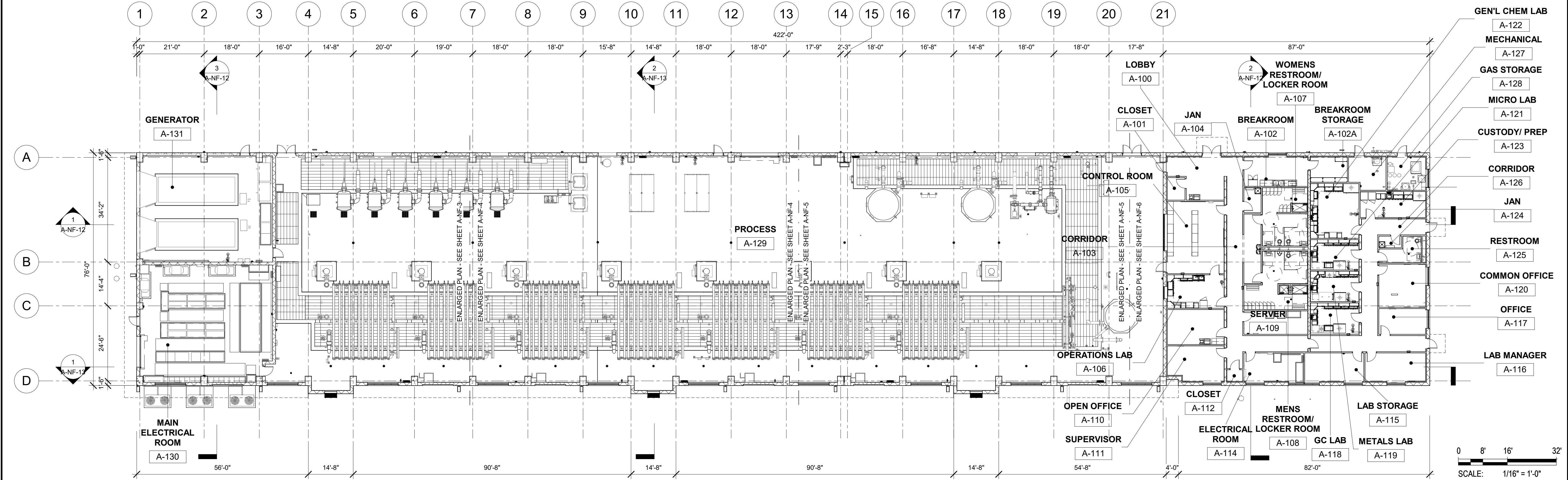
PROJECT NO. 159676-291242
FILE NAME: AWZ000NF.RVT

SHEET NO.

A-NF-1

ISSUED FOR PERMITTING

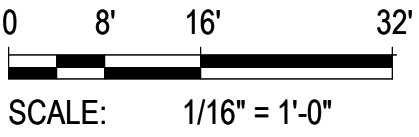
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OVERALL FLOOR PLAN
1/16" = 1'-0"

- GENERAL NOTES:**
1. SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS
 2. SEE SHEET A-GN-3 FOR BUILDING CODE KEY DETERMINATIONS
 3. SEE SHEET A-NF-1 FOR LIFE SAFETY PLAN
 4. SEE "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.

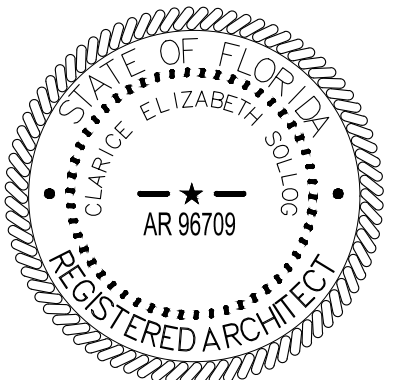
FOR BUILDING DEPARTMENT USE



FOR DEVELOPMENT SERVICES USE

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101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



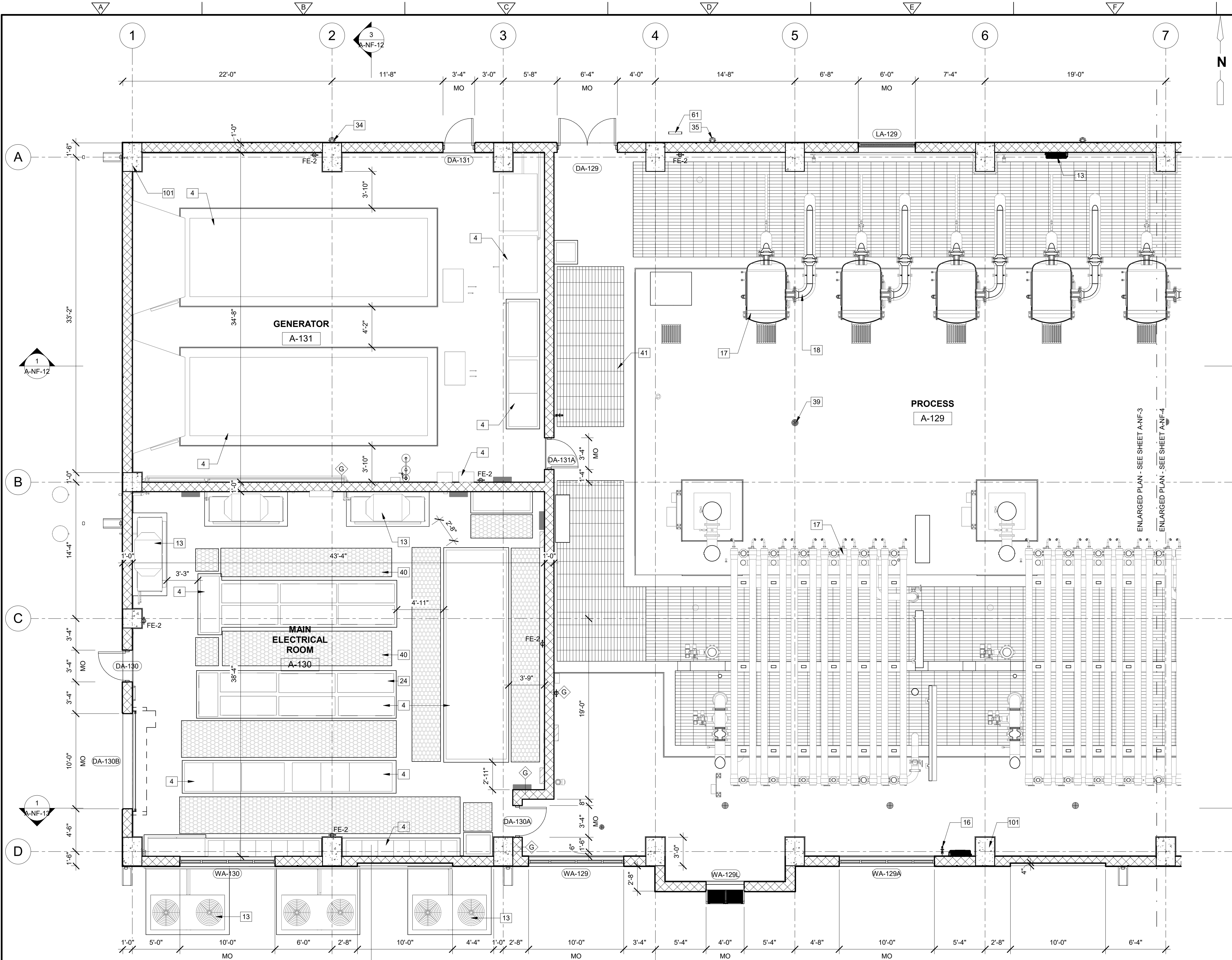
DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
OVERALL FLOOR PLAN

PROJECT NO. 159676-291242
FILE NAME: AYW2000MB4.RVT
SHEET NO.
A-NF-2

ISSUED FOR PERMITTING

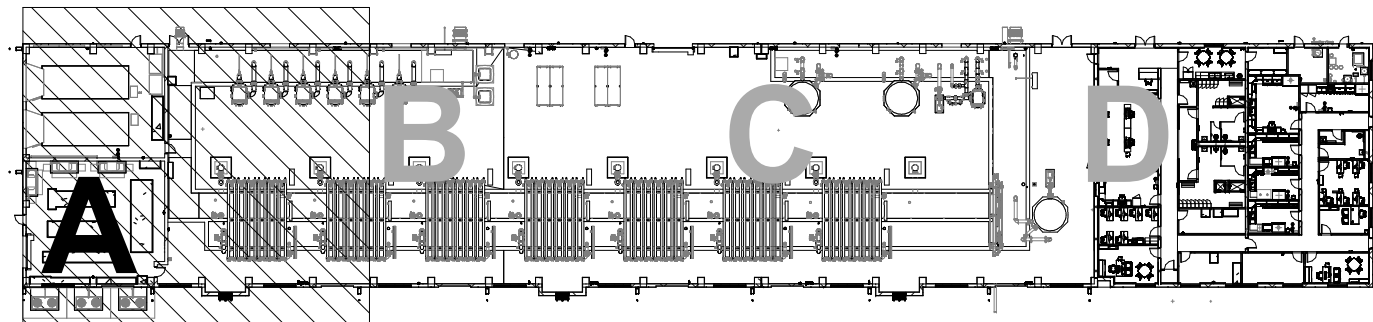
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FLOOR PLAN PART A
3/16" = 1'-0"

- GENERAL NOTES:**
- SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS.
 - SEE SHEET A-GN-3 FOR BUILDING CODE KEY DETERMINATIONS
 - SEE SHEET A-NF-1 FOR LIFE SAFETY PLAN
 - SEE "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.

FOR BUILDING DEPARTMENT USE



KEY PLAN

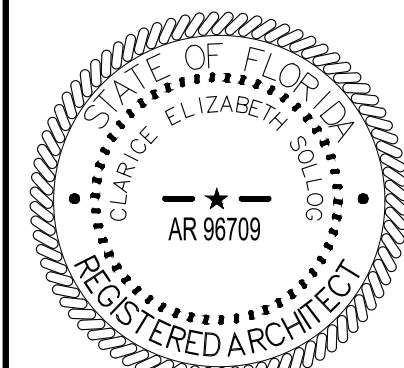
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
13	HVAC EQUIPMENT, SEE "H" DWGS
16	PLUMBING EQUIPMENT, SEE "P" DWGS
17	PROCESS MECHANICAL EQUIPMENT, SEE "M" DWGS
18	PROCESS PIPING, SEE "M" DWGS
24	EQUIPMENT PAD, SEE "S" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
39	FLOOR DRAIN, TYP. SEE "P" DWGS"
40	FLOOR MATS, TYP
41	REMOVABLE ALUMINUM FLOOR GRATING, SEE "S" DWGS
61	ROOF ACCESS LADDER, TYP
101	CONCRETE COLUMN, SEE "S" DWGS

0 2' 4' 6' 10'
SCALE: 3/16" = 1'-0"

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MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWW200MB4.RVT

SHEET NO.

A-NF-3

ISSUED FOR PERMITTING

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBODY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
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Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
FLOOR PLAN PART A

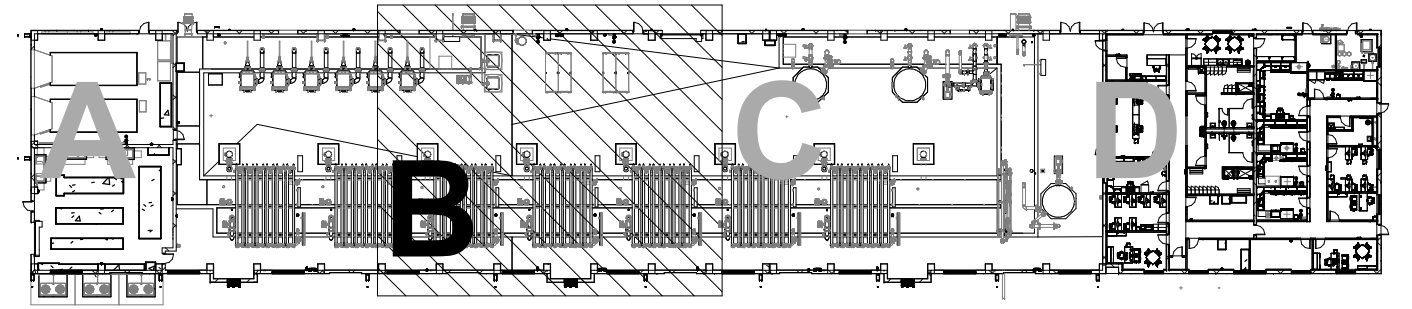
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FLOOR PLAN B
3/16" = 1'-0"

- GENERAL NOTES:**
- SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS
 - SEE SHEET A-GN-3 FOR BUILDING CODE KEY DETERMINATIONS
 - SEE SHEET A-NF-1 FOR LIFE SAFETY PLAN
 - SEE "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.

FOR BUILDING DEPARTMENT USE



KEY PLAN

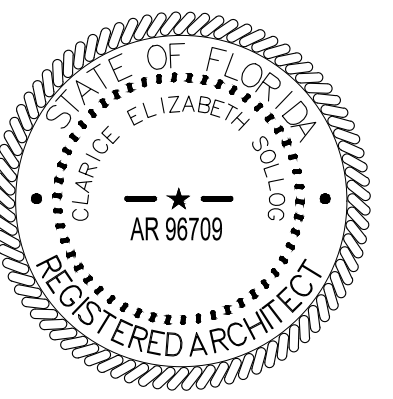
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
16	PLUMBING EQUIPMENT, SEE "P" DWGS
17	PROCESS MECHANICAL EQUIPMENT, SEE "M" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
39	FLOOR DRAIN, TYP. SEE "P" DWGS
41	REMOVABLE ALUMINUM FLOOR GRATING, SEE "S" DWGS
42	EMERGENCY SHOWER AND EYEWASH, SEE "P" DWGS
50	EXPANSION JOINT, SEE "S" DWGS
101	CONCRETE COLUMN, SEE "S" DWGS

0 2' 4' 6' 10'
SCALE: 3/16" = 1'-0"

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FL. CORP. ARCHITECTURE AA-002781
101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AYW200MB4.RVT

SHEET NO.

A-NF-4

ISSUED FOR PERMITTING

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBODY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

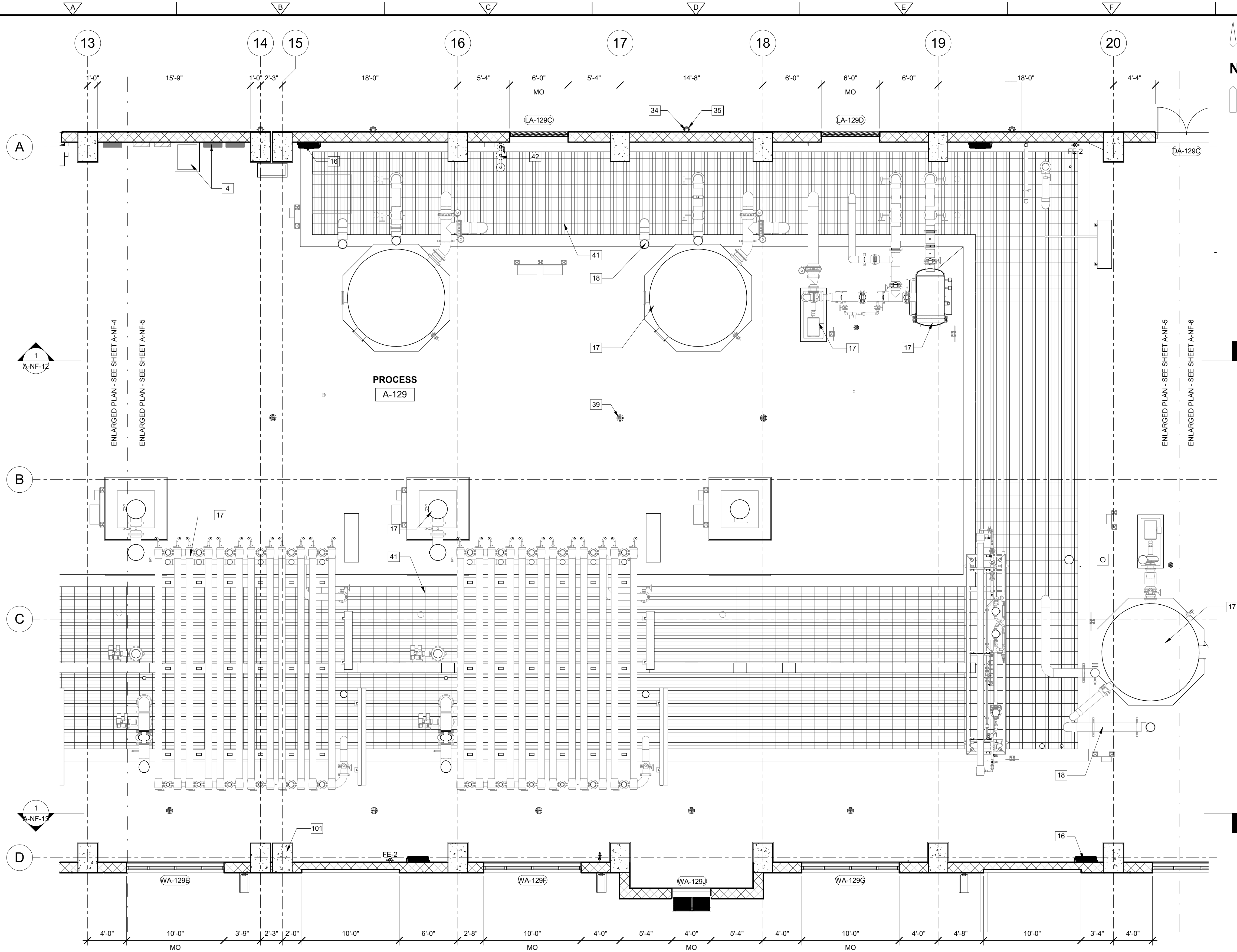
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Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
FLOOR PLAN PART B

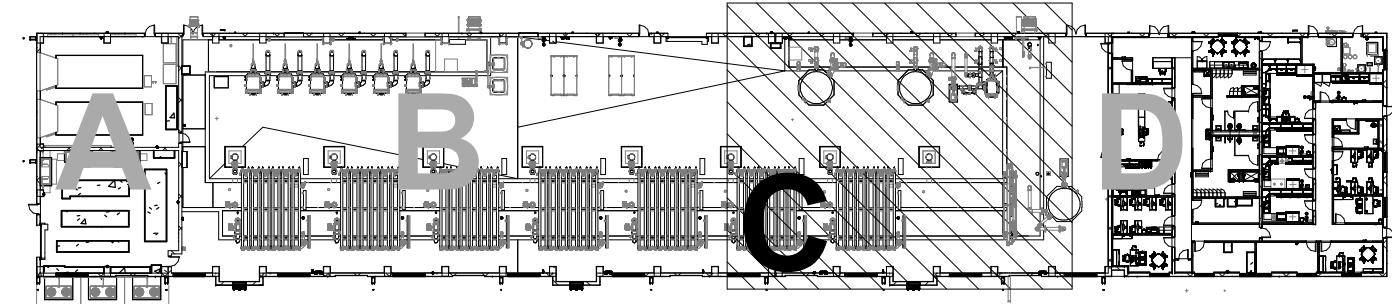
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FLOOR PLAN C
3/16" = 1'-0"

- GENERAL NOTES:**
- SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS
 - SEE SHEET A-GN-3 FOR BUILDING CODE KEY DETERMINATIONS
 - SEE SHEET A-NF-1 FOR LIFE SAFETY PLAN
 - SEE "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.

FOR BUILDING DEPARTMENT USE



KEY PLAN

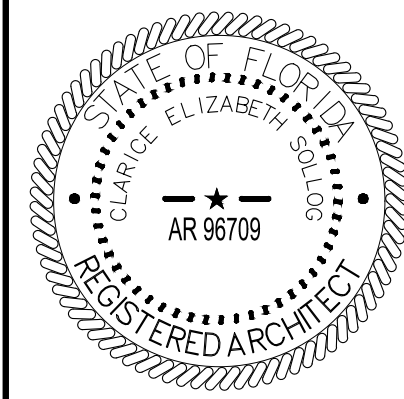
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
16	PLUMBING EQUIPMENT, SEE "P" DWGS
17	PROCESS MECHANICAL EQUIPMENT, SEE "M" DWGS
18	PROCESS PIPING, SEE "M" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
39	FLOOR DRAIN, TYP. SEE "P" DWGS"
41	REMOVABLE ALUMINUM FLOOR GRATING, SEE "S" DWGS
42	EMERGENCY SHOWER AND EYEWASH, SEE "P" DWGS
101	CONCRETE COLUMN, SEE "S" DWGS

0 2' 4' 6' 10'
SCALE: 3/16" = 1'-0"

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MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWW2000MB4.RVT

SHEET NO.

A-NF-5

ISSUED FOR PERMITTING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELTON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

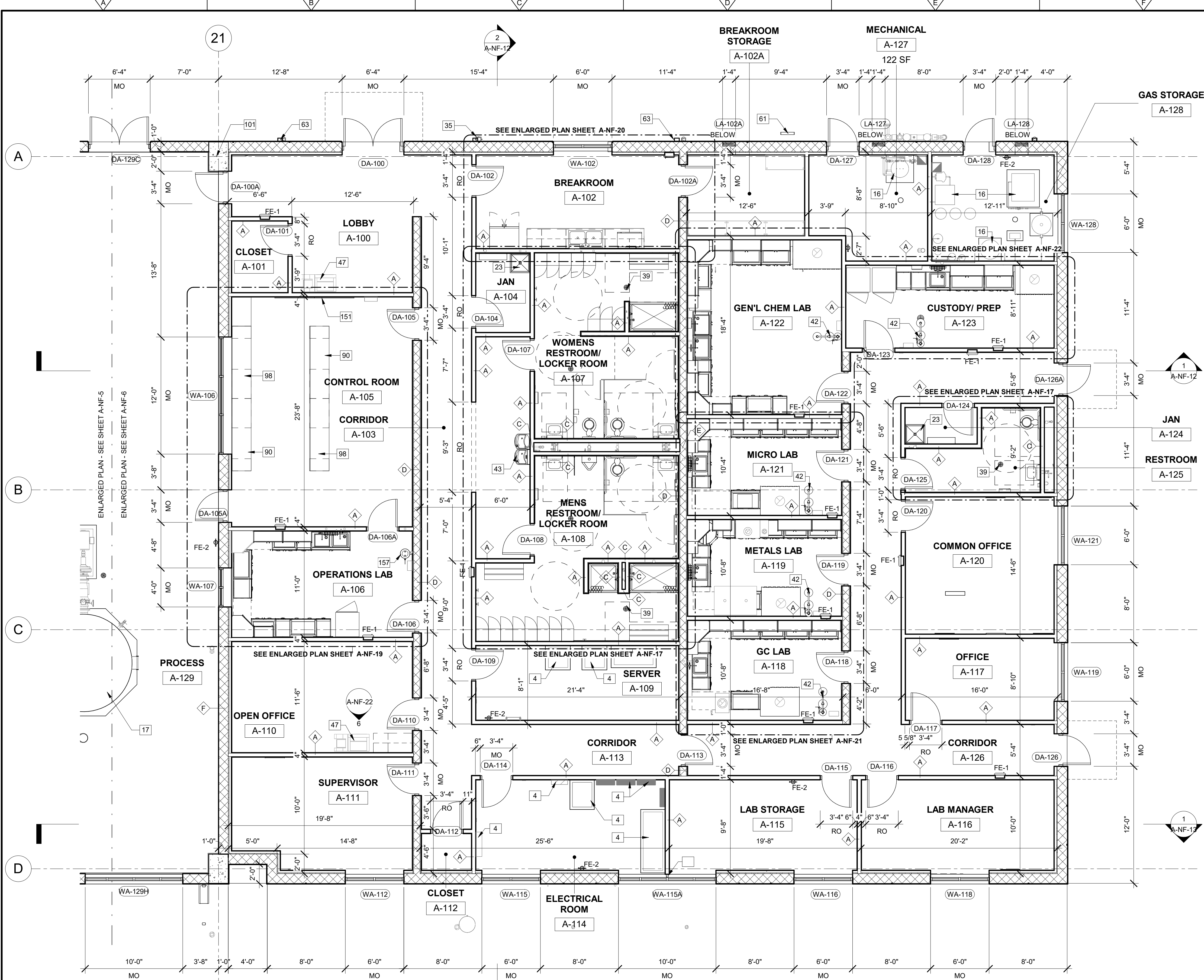
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Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
FLOOR PLAN PART C

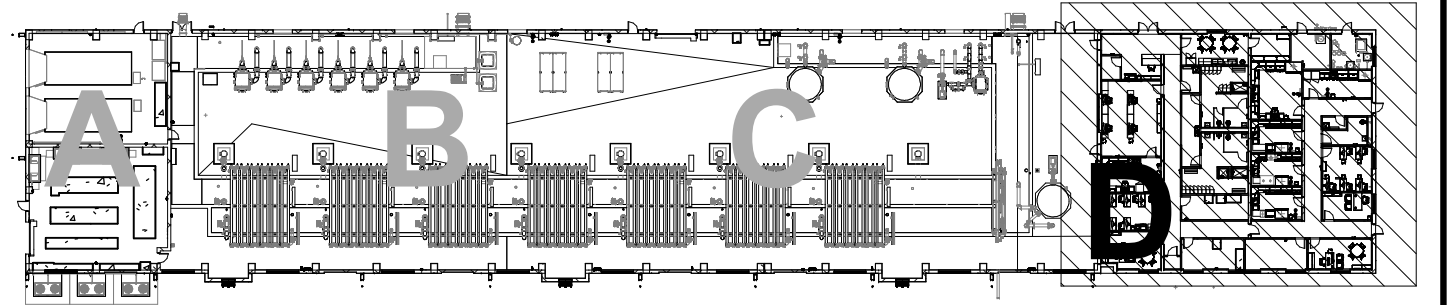
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FLOOR PLAN D
3/16" = 1'-0"

- GENERAL NOTES:**
1. SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS
 2. SEE SHEET A-GN-3 FOR BUILDING CODE KEY DETERMINATIONS
 3. SEE SHEET A-NF-1 FOR LIFE SAFETY PLAN
 4. SEE "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.

FOR BUILDING DEPARTMENT USE



KEY PLAN

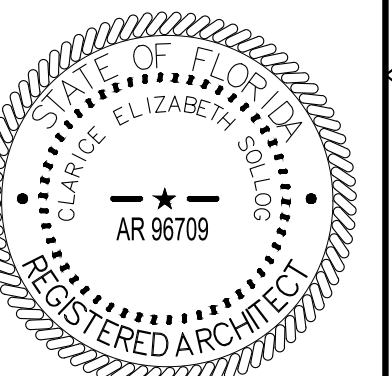
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
16	PLUMBING EQUIPMENT, SEE "P" DWGS
17	PROCESS MECHANICAL EQUIPMENT, SEE "M" DWGS
23	MOP SINK, SEE "P" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
39	FLOOR DRAIN, TYP, SEE "P" DWGS
42	EMERGENCY SHOWER AND EYEWASH, SEE "P" DWGS
43	HI-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE "P" DWGS
47	COPIER MACHINE (NIC)
61	ROOF ACCESS LADDER, TYP
63	ALUMINUM CONDUCTOR HEAD, DOWNSPOUT AND SCUPPER, TYP
90	SOLID SURFACE COUNTERTOP AND BACKSPLASH
98	PLASTIC LAMINATE CASEWORK
101	CONCRETE COLUMN, SEE "S" DWGS
151	50" WALL MOUNTED TELEVISION, TYP (PROVIDE BACKING FOR MOUNTING)
157	EMERGENCY EYEWASH STATION, SEE "P" DWGS

0 2' 4' 6' 10'
SCALE: 3/16" = 1'-0"

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MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWZ000NF.RVT

SHEET NO.

A-NF-6

ISSUED FOR PERMITTING

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHKD BY: C. WYNN
CROSS CHKD BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

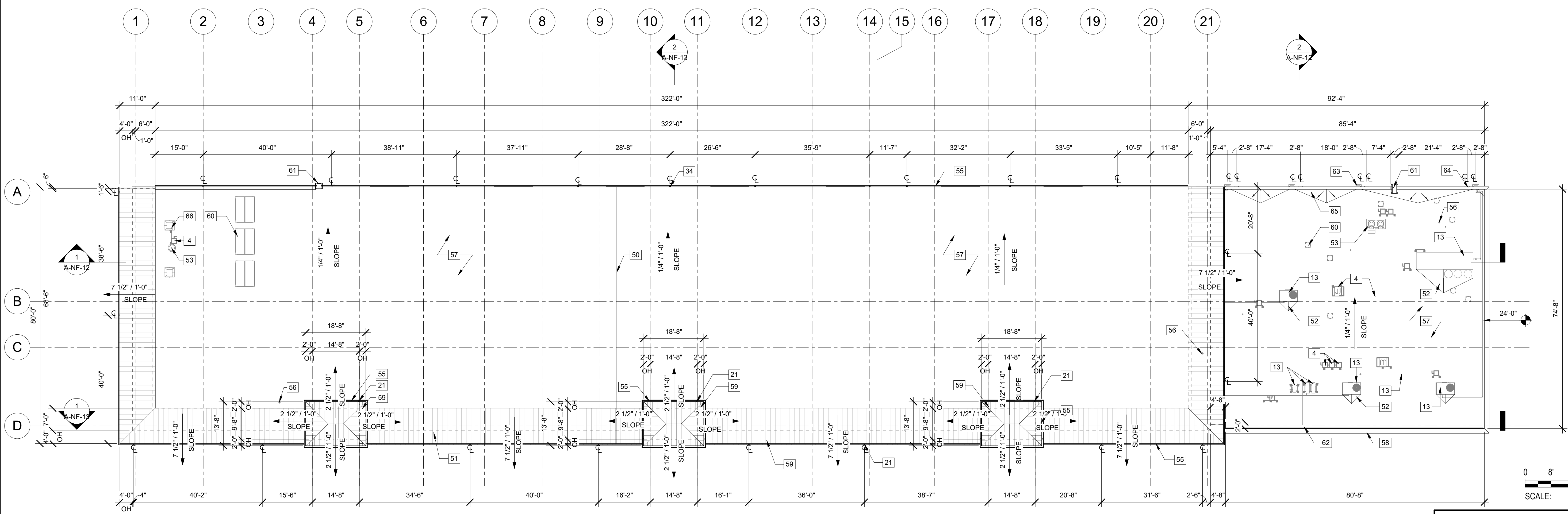
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621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
FLOOR PLAN PART D

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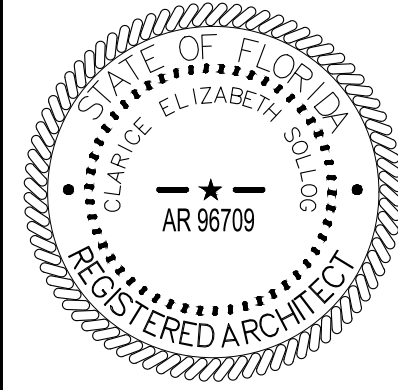


ROOF PLAN
1/16" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
13	HVAC EQUIPMENT, SEE "H" DWGS
21	ALUMINUM DOWNSPOUT, TYP
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
50	EXPANSION JOINT, SEE "S" DWGS
51	BUILDING OUTLINE BELOW
52	CRICKET, TYP
53	EXHAUST FAN TYP, SEE "H" DWGS
55	ALUMINUM GUTTER, TYP
56	VENT THROUGH ROOF, TYP, SEE "P" DWGS
57	SBS MODIFIED BITUMEN ROOFING SYSTEM
58	ALUMINUM COPING, TYP
59	STANDING SEAM METAL ROOFING PANELS OVER COVERBOARD AND COLD FORMED METAL FRAMING
60	GRAVITY HOOD, SEE "H" DWGS
61	ROOF ACCESS LADDER, TYP
62	SCREEN WALL CONNECTED TO BACK OF PARAPET
63	ALUMINUM CONDUCTOR HEAD, DOWNSPOUT AND SCUPPER, TYP
64	OVERFLOW SCUPPER, BOTTOM OF OVERFLOW SCUPPER TO BE 2 INCHES ABOVE BOTTOM OF PRIMARY SCUPPER, TYP
65	COUNTERSLOPE, TYP
66	GENERATOR EXHAUST PIPING, TYP

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101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
ROOF PLAN

PROJECT NO. 159676-291242
FILE NAME: AWZ000NF.RVT
SHEET NO.

A-NF-7

ISSUED FOR PERMITTING

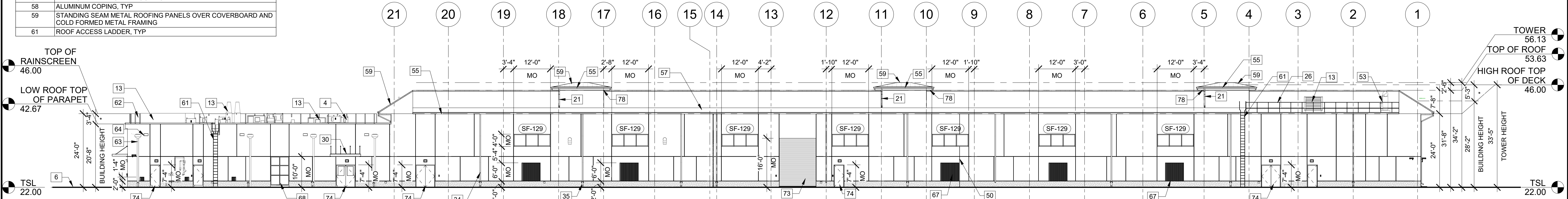
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KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
6	FINISH GRADE, SEE "C" DWGS
10	ARCHITECTURAL PRECAST CONCRETE MEDALLIONS, TYP
13	HVAC EQUIPMENT, SEE "H" DWGS
21	ALUMINUM DOWNSPOUT, TYP
22	CONCRETE SPLASH BLOCK, TYP
26	ALUMINUM GUARDRAIL, SEE "S" DWGS
30	SURFACE MOUNTED CANOPY
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP, SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
50	EXPANSION JOINT, SEE "S" DWGS
53	EXHAUST FAN TYP, SEE "H" DWGS
55	ALUMINUM GUTTER, TYP
56	VENT THROUGH ROOF, TYP, SEE "P" DWGS
57	SBS MODIFIED BITUMEN ROOFING SYSTEM
58	ALUMINUM COPING, TYP
59	STANDING SEAM METAL ROOFING PANELS OVER COVERBOARD AND COLD FORMED METAL FRAMING
61	ROOF ACCESS LADDER, TYP

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
62	SCREEN WALL, CONNECTED TO BACK OF PARAPET
63	ALUMINUM CONDUCTOR HEAD, DOWNSPOUT AND SCUPPER, TYP
64	OVERFLOW SCUPPER, BOTTOM OF OVERFLOW SCUPPER TO BE 2 INCHES ABOVE BOTTOM OF PRIMARY SCUPPER, TYP
67	ALUMINUM LOUVER, SEE SCHD
68	ALUMINUM WINDOW SYSTEM, SEE SCHD
71	3/4" STUCCO FINISH SYSTEM (PAINTED), TYP
73	OVERHEAD ROLL-UP DOOR, SEE SCHD
74	ALUMINUM DOOR AND FRAME, SEE SCHD
75	VERTICAL STUCCO REVEAL, TYP
76	HORIZONTAL STUCCO REVEAL, TYP
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP
79	ARCHITECTURAL PRECAST PANEL BASE, TYP
81	ARCHITECTURAL LOUVERED, AWNING ATTACHED TO ALUMINUM WINDOW HORIZONTAL MULLIONS, FINISH TO MATCH WINDOW FRAME

GENERAL NOTES:
1. SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS AND SYMBOLS

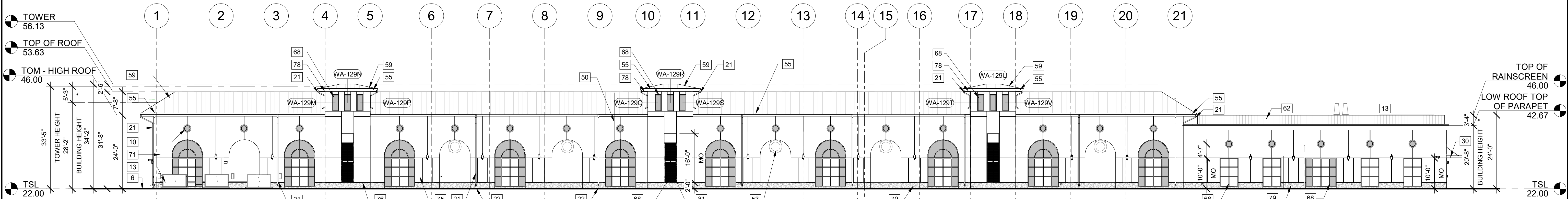
FOR BUILDING DEPARTMENT USE



NORTH ELEVATION

1/16" = 1'-0"

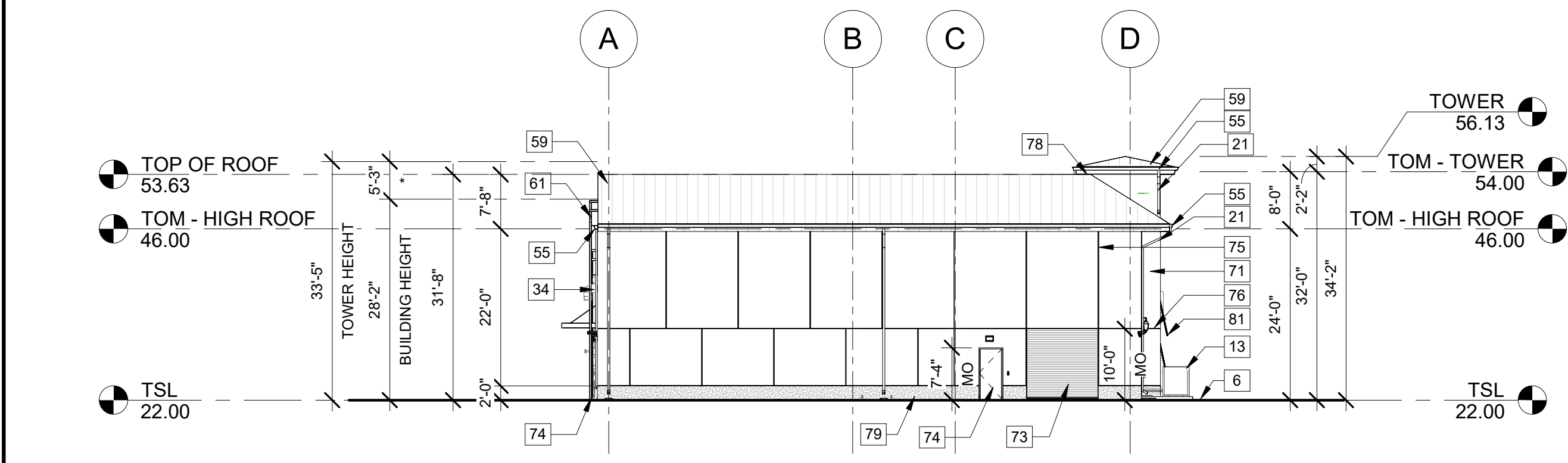
* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



SOUTH ELEVATION

1/16" = 1'-0"

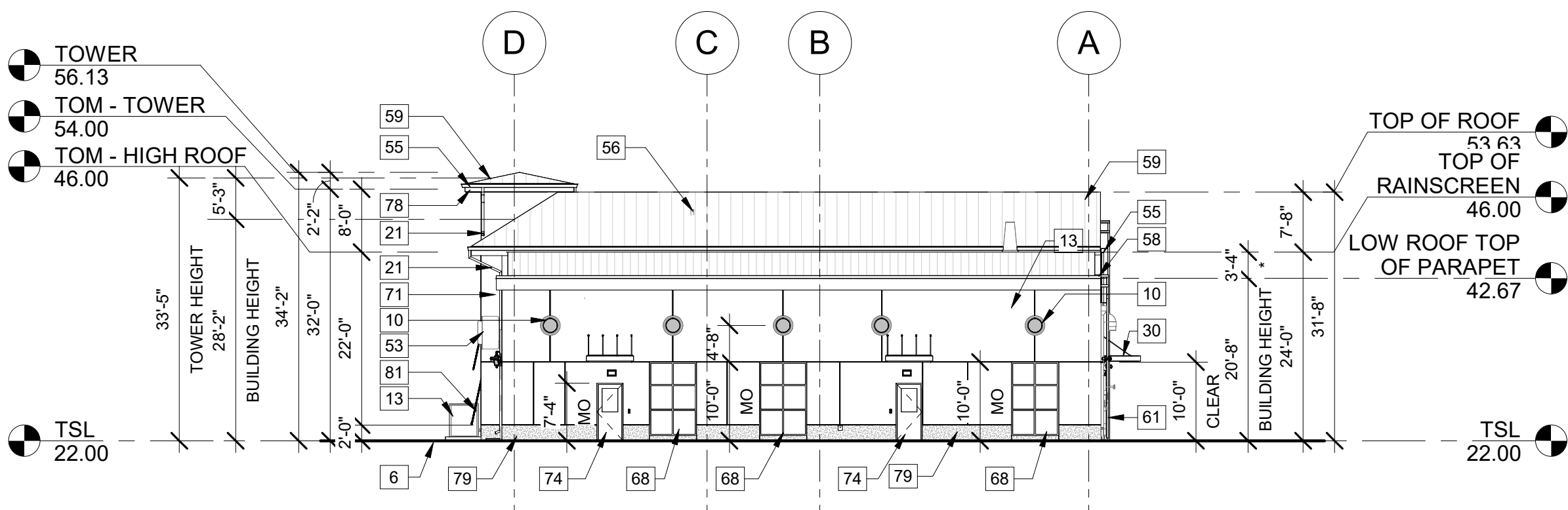
* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



WEST ELEVATION

1/16" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



EAST ELEVATION

1/16" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.

0 8' 16' 32'
SCALE: 1/16" = 1'-0"

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FL. CORP. ARCHITECTURE AA-002781
101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AYW2000MB.RVT

SHEET NO.

A-NF-8

ISSUED FOR PERMITTING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELTON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

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Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

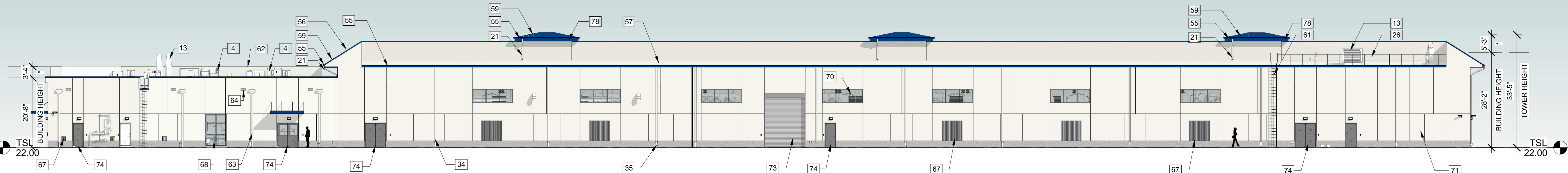
NF MEMBRANE BUILDING
EXTERIOR ELEVATIONS

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KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
6	FINISH GRADE, SEE "C" DWGS
10	ARCHITECTURAL PRECAST CONCRETE MEDALLIONS, TYP
13	HVAC EQUIPMENT, SEE "H" DWGS
21	ALUMINUM DOWNSPOUT, TYP
22	CONCRETE SPLASH BLOCK, TYP
26	ALUMINUM GUARDRAIL, SEE "S" DWGS
30	SURFACE MOUNTED CANOPY
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
50	EXPANSION JOINT, SEE "S" DWGS

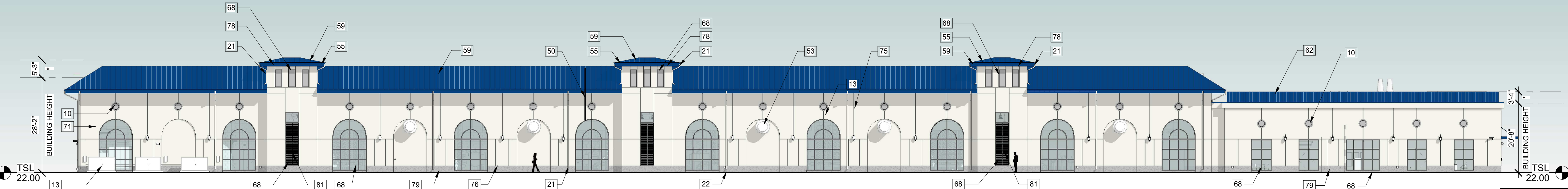
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
53	EXHAUST FAN TYP, SEE "H" DWGS
55	ALUMINUM GUTTER, TYP
56	VENT THROUGH ROOF, TYP, SEE "P" DWGS
57	SBS MODIFIED BITUMEN ROOFING SYSTEM
59	STANDING SEAM METAL ROOFING PANELS OVER COVERBOARD AND COLD FORMED METAL FRAMING
61	ROOF ACCESS LADDER, TYP
62	SCREEN WALL CONNECTED TO BACK OF PARAPET
63	ALUMINUM CONDUCTOR HEAD, DOWNSPOUT AND SCUPPER, TYP
64	OVERFLOW SCUPPER, BOTTOM OF OVERFLOW SCUPPER TO BE 2 INCHES ABOVE BOTTOM OF PRIMARY SCUPPER, TYP
67	ALUMINUM LOUVER, SEE SCHD
68	ALUMINUM WINDOW SYSTEM, SEE SCHD

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
70	ALUMINUM STOREFRONT ENTRANCE SYSTEM, SEE SCHD
71	3/4" STUCCO FINISH SYSTEM (PAINTED), TYP
73	OVERHEAD ROLL-UP DOOR, SEE SCHD
74	ALUMINUM DOOR AND FRAME, SEE SCHD
75	VERTICAL STUCCO REVEAL, TYP
76	HORIZONTAL STUCCO REVEAL, TYP
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP
79	ARCHITECTURAL PRECAST PANEL BASE, TYP
81	ARCHITECTURAL LOUVERED AWNING ATTACHED TO ALUMINUM WINDOW HORIZONTAL MULLIONS. FINISH TO MATCH WINDOW FRAME



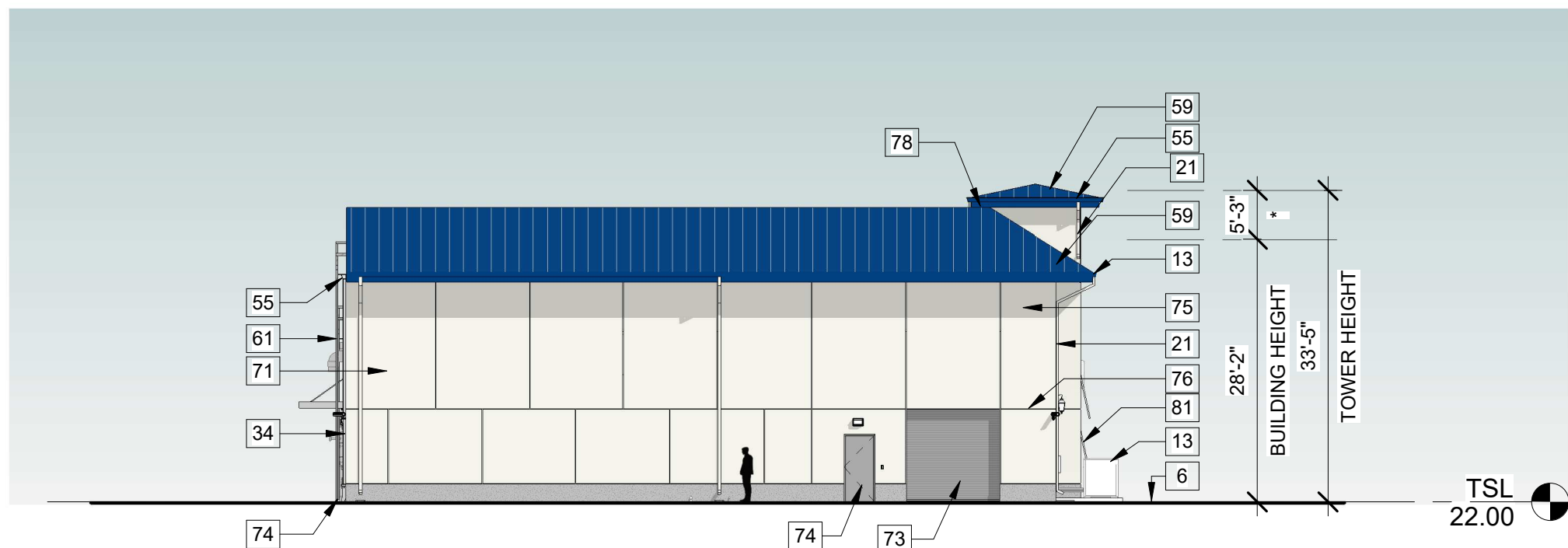
NORTH ELEVATION
1/16" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



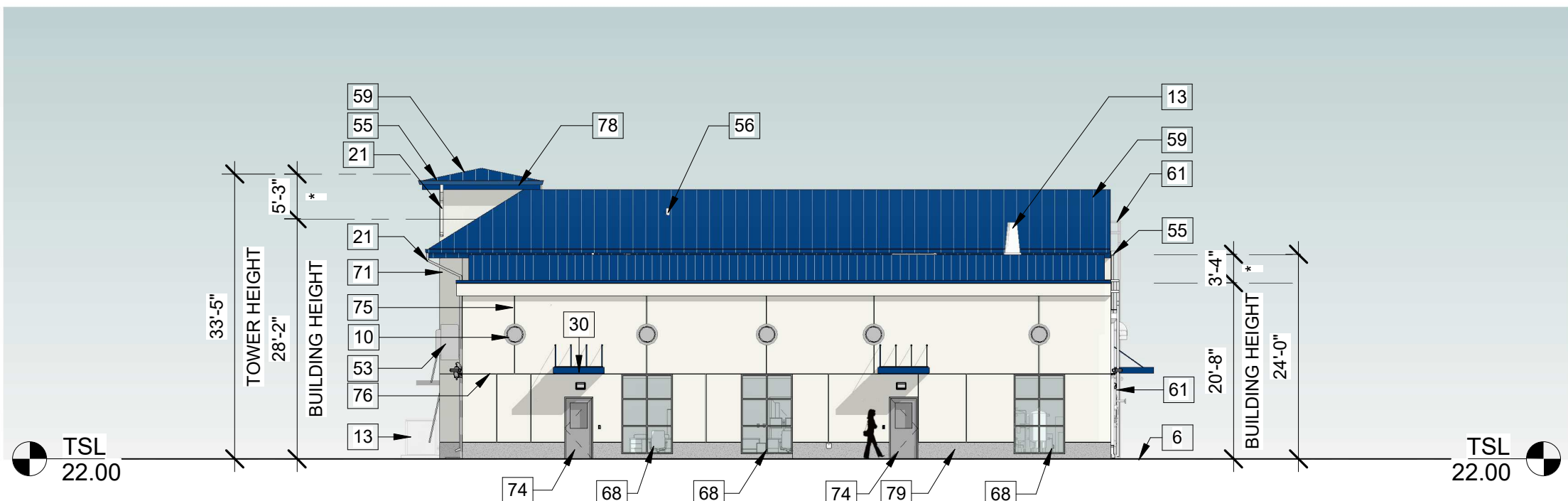
SOUTH ELEVATION
1/16" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



WEST ELEVATION
1/16" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



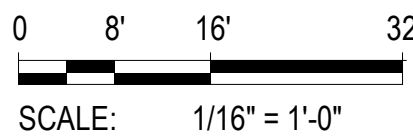
EAST ELEVATION
1/16" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.

FOR BUILDING DEPARTMENT USE

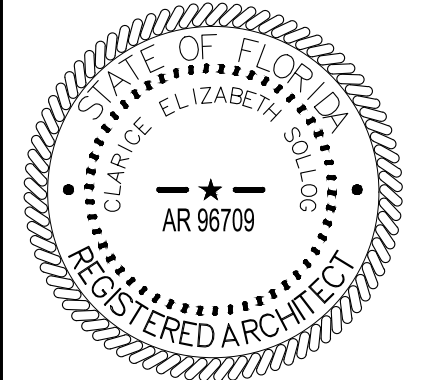
ROOF	
Centria 9926 'Arabian Blue': Standing Seam Mtl Roof @ Admin. Bldg / Smooth Finish	
FASCIA	
Centria 9926 'Arabian Blue': Standing Seam Mtl Mansard Roof @ Process Bldg / Smooth Finish	
WINDOWS	
Kawneer Windows 'Clear Anod. Alum.': Windows and Entry doors @ Admin. & Process Bldgs	
RAILINGS	
Industrial Alum. Guardrail 'Clr. Anod. Alum.': Site Product / Smooth Finish	
COLUMNS	
Industrial Structural Column @ Chem. Stor. Canopy: Match 'Centria' 9926 / Smooth Finish	
WALLS	
SW 7005 'Pure White' Sherwin Williams 7005: Stucco Bldg Walls and Site Wall color / Textured Finish	
TRIM/OTHER	
PCI 117 'White': Precast Conc. Base @ Admin. & Process Bldgs Base material / Acid Etched Finish	
SHUTTERS/AWININGS	
Centria 9926 'Arabian Blue': Awnings @ Process Bldg / Smooth Finish	
FENCE	
Industrial Alum. Fence and Gate 'Black': Site Product / Smooth finish	
OTHER	
Glass Types (Guardian Ind.): Insulated / Impact Resistant 1. Clear / Low E 2. Clear / Low E / Translucent 3. Clear / Spandrel (4th Surface - 'Black')	

FOR DEVELOPMENT SERVICES USE



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CLARICE E. SOLLOG, AIA
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FL. CORP. ARCHITECTURE AA-002781
101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWZ000MB.RVT

SHEET NO.
A-NF-8A

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: C. SOLLOG
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

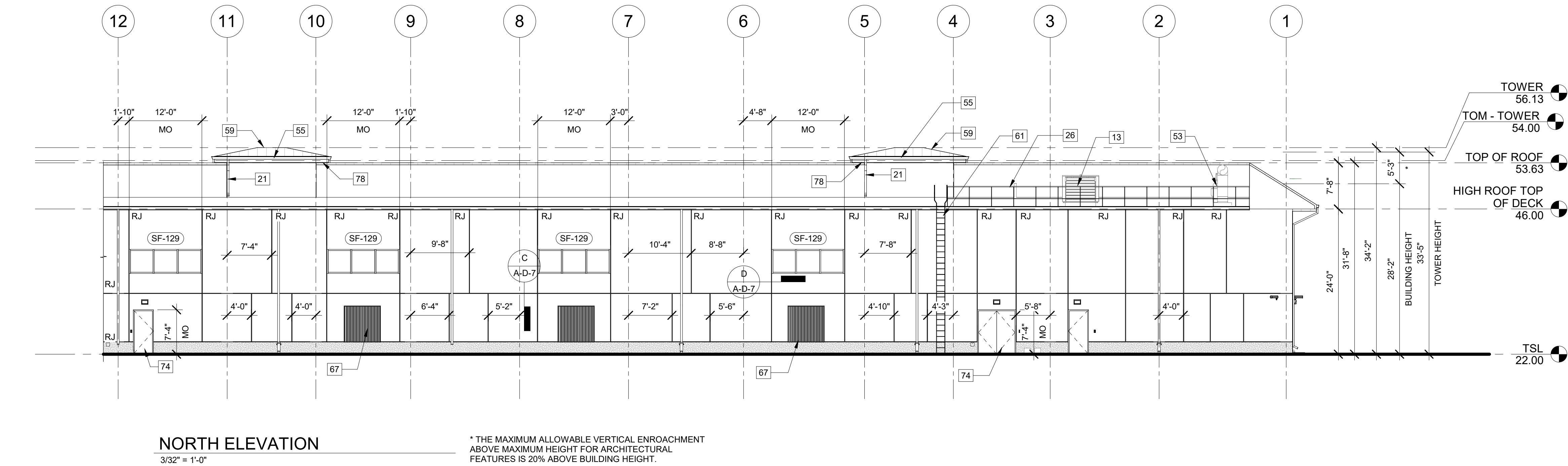
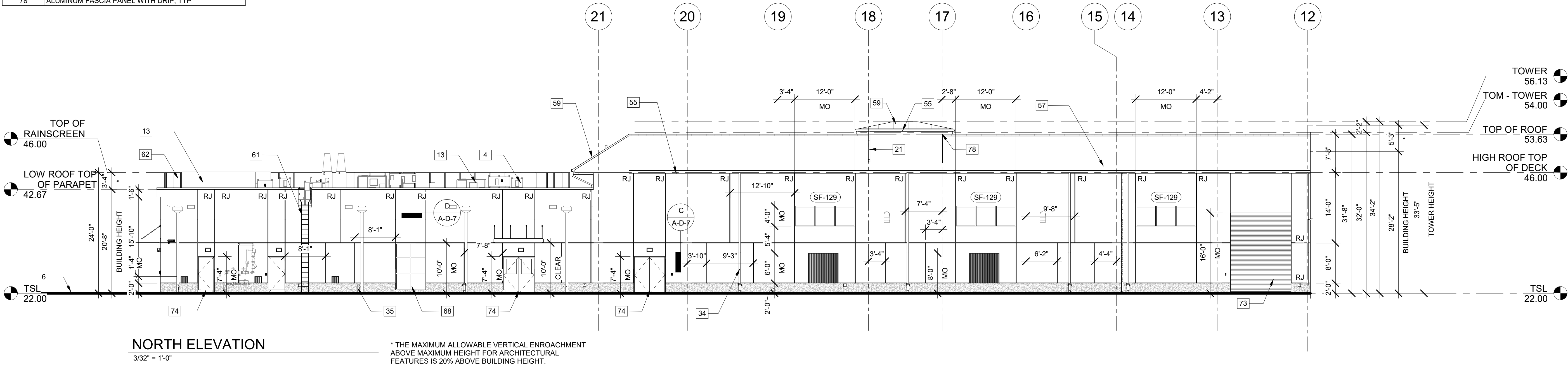
NF MEMBRANE BUILDING
EXTERIOR ELEVATIONS

ISSUED FOR PERMITTING

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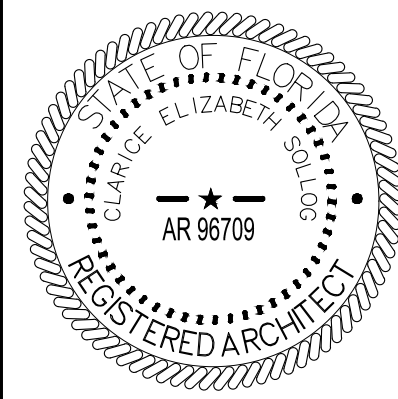
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
6	FINISH GRADE, SEE "C" DWGS
13	HVAC EQUIPMENT, SEE "H" DWGS
21	ALUMINUM DOWNSPOUT, TYP
26	ALUMINUM GUARDRAIL, SEE "S" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
53	EXHAUST FAN TYP, SEE "H" DWGS
55	ALUMINUM GUTTER, TYP
57	SBS MODIFIED BITUMEN ROOFING SYSTEM
59	STANDING SEAM METAL ROOFING PANELS OVER COVERBOARD AND COLD FORMED METAL FRAMING
61	ROOF ACCESS LADDER, TYP
62	SCREEN WALL CONNECTED TO BACK OF PARAPET
67	ALUMINUM LOUVER, SEE SCHD
68	ALUMINUM WINDOW SYSTEM, SEE SCHD
73	OVERHEAD ROLL-UP DOOR, SEE SCHD
74	ALUMINUM DOOR AND FRAME, SEE SCHD
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP

FOR BUILDING DEPARTMENT USE



THIS ITEM HAS BEEN DIGITALLY SIGNED BY CLARICE E. SOLLOG ON THE DATE ADJACENT TO THE SEAL.

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101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWZ000NF.ARV

SHEET NO.
A-NF-9

ISSUED FOR PERMITTING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHKD BY: C. WYNN
CROSS CHKD BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



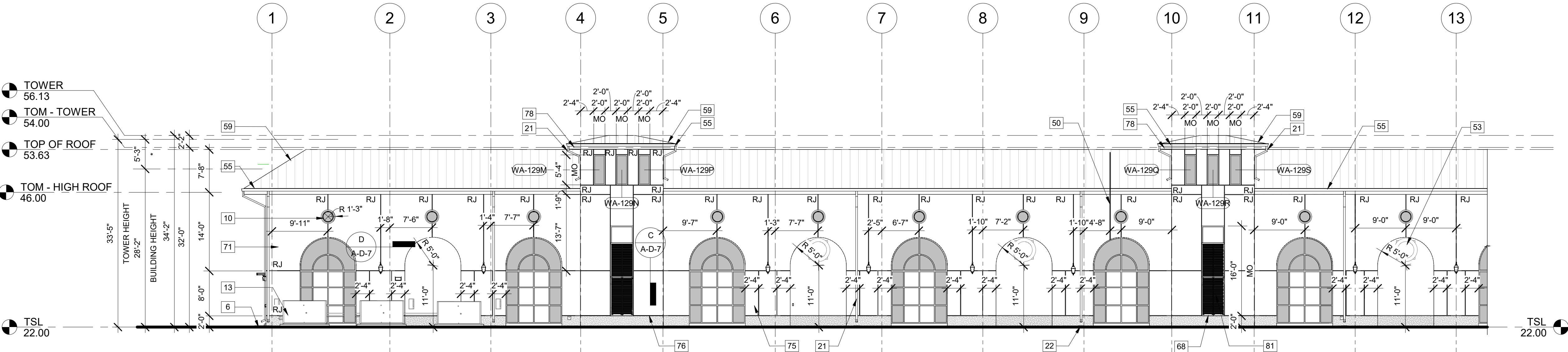
DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
ENLARGED EXTERIOR ELEVATIONS I

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KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
6	FINISH GRADE, SEE "C" DWGS
10	ARCHITECTURAL PRECAST CONCRETE MEDALLIONS, TYP
13	HVAC EQUIPMENT, SEE "H" DWGS
21	ALUMINUM DOWNSPOUT, TYP
22	CONCRETE SPLASH BLOCK, TYP
30	SURFACE MOUNTED CANOPY
50	EXPANSION JOINT, SEE "S" DWGS
53	EXHAUST FAN TYP, SEE "H" DWGS
55	ALUMINUM GUTTER, TYP
59	STANDING SEAM METAL ROOFING PANELS OVER COVERBOARD AND COLD FORMED METAL FRAMING
62	SCREEN WALL CONNECTED TO BACK OF PARAPET
68	ALUMINUM WINDOW SYSTEM, SEE SCHD
71	3/4" STUCCO FINISH SYSTEM (PAINTED), TYP
75	VERTICAL STUCCO REVEAL, TYP
76	HORIZONTAL STUCCO REVEAL, TYP
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP
79	ARCHITECTURAL PRECAST PANEL BASE, TYP
81	ARCHITECTURAL LOUVERED AWNING ATTACHED TO ALUMINUM WINDOW HORIZONTAL MULLIONS. FINISH TO MATCH WINDOW FRAME

FOR BUILDING DEPARTMENT USE

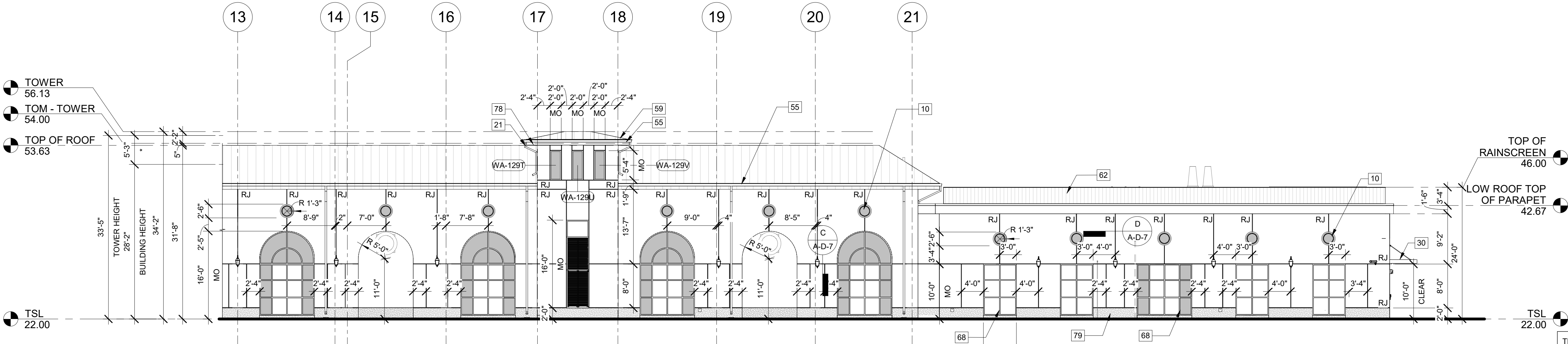


SOUTH ELEVATION

3/32" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.

0 4' 8' 12' 20'
SCALE: 3/32" = 1'-0"



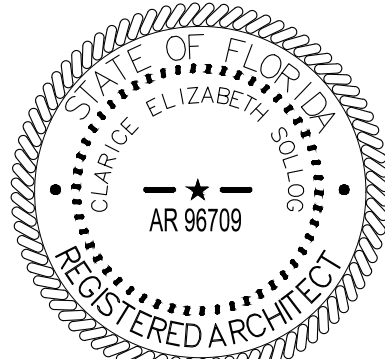
SOUTH ELEVATION

3/32" = 1'-0"

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MAITLAND, FL 32751

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHKD BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

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Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
ENLARGED EXTERIOR ELEVATIONS II

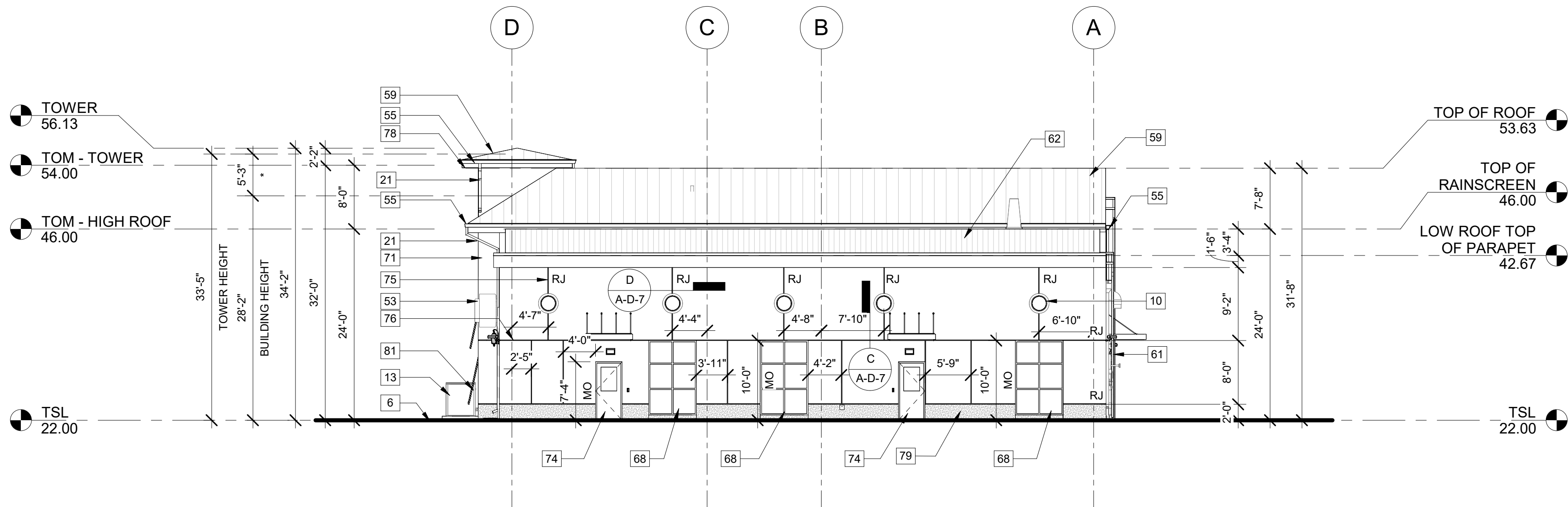
PROJECT NO. 159676-291242
FILE NAME: AWZ000NF.RVT

SHEET NO.
A-NF-10

ISSUED FOR PERMITTING

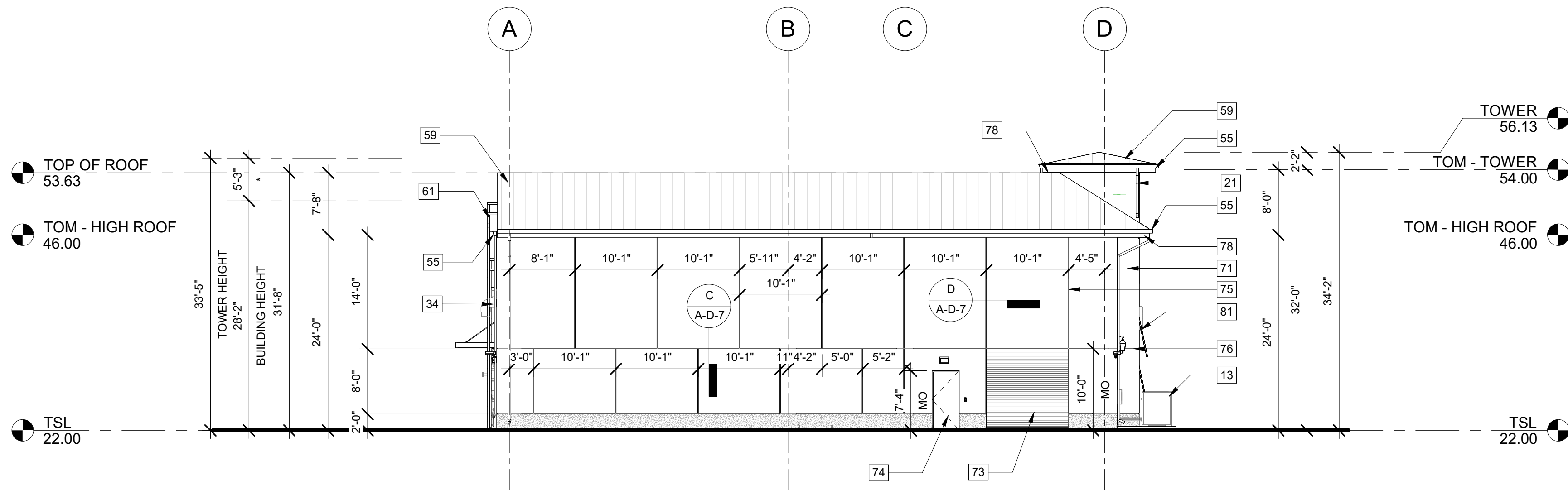
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KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
6	FINISH GRADE, SEE "C" DWGS
10	ARCHITECTURAL PRECAST CONCRETE MEDALLIONS, TYP
13	HVAC EQUIPMENT, SEE "H" DWGS
21	ALUMINUM DOWNSPOUT, TYP
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP, SEE "C" DWGS
53	EXHAUST FAN TYP, SEE "H" DWGS
55	ALUMINUM GUTTER, TYP
59	STANDING SEAM METAL ROOFING PANELS OVER COVERBOARD AND COLD FORMED METAL FRAMING
61	ROOF ACCESS LADDER, TYP
62	SCREEN WALL CONNECTED TO BACK OF PARAPET
68	ALUMINUM WINDOW SYSTEM, SEE SCHD
71	3/4" STUCCO FINISH SYSTEM (PAINTED), TYP
73	OVERHEAD ROLL-UP DOOR, SEE SCHD
74	ALUMINUM DOOR AND FRAME, SEE SCHD
75	VERTICAL STUCCO REVEAL, TYP
76	HORIZONTAL STUCCO REVEAL, TYP
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP
79	ARCHITECTURAL PRECAST PANEL BASE, TYP
81	ARCHITECTURAL LOUVERED AWNING ATTACHED TO ALUMINUM WINDOW HORIZONTAL MULLIONS, FINISH TO MATCH WINDOW FRAME



EAST ELEVATION
3/32" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.



WEST ELEVATION
3/32" = 1'-0"

* THE MAXIMUM ALLOWABLE VERTICAL ENROACHMENT ABOVE MAXIMUM HEIGHT FOR ARCHITECTURAL FEATURES IS 20% ABOVE BUILDING HEIGHT.

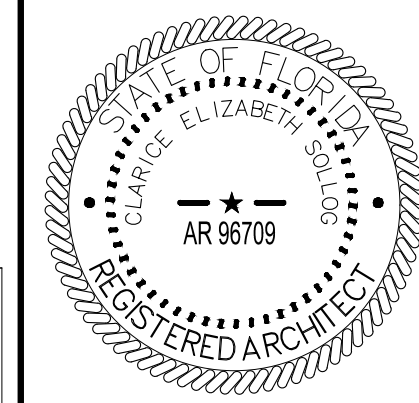
FOR BUILDING DEPARTMENT USE

0 4' 8' 12' 20'
SCALE: 3/32" = 1'-0"

FOR DEVELOPMENT SERVICES USE

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MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AWZ000NF.RVT

SHEET NO.

A-NF-11

ISSUED FOR PERMITTING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

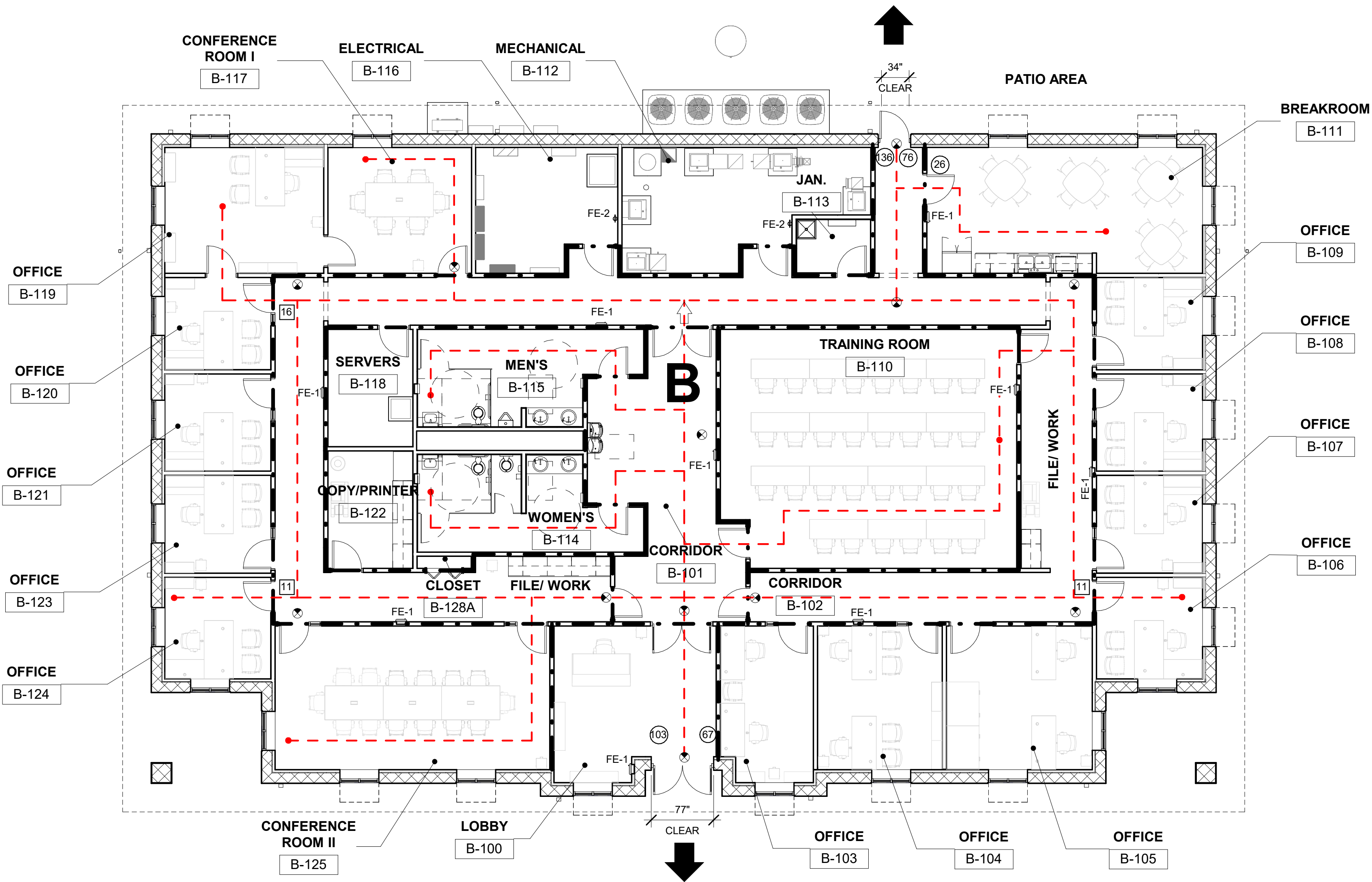
CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
ENLARGED EXTERIOR ELEVATIONS III

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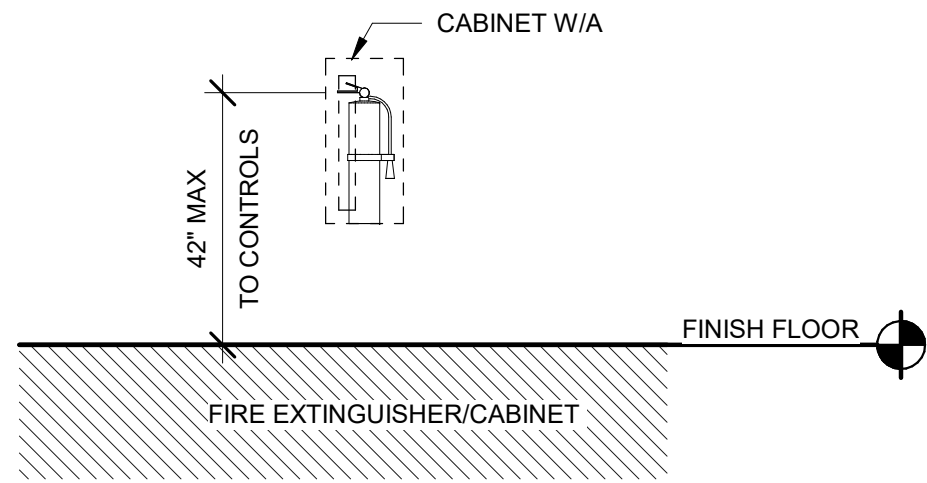
LIFE SAFETY PLAN

1/8" = 1'-0"

LIFE SAFETY LEGEND

- EXIT DISCHARGE
- AREA OR SPACE EXIT
- EXIT SIGN
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER W/ CABINET
- EGRESS PATH
- 1 HOUR FIRE RATING
- TRAVEL DISTANCE (FEET)
- COMMON PATH OF TRAVEL (FEET)
- CARD READER, SEE "E" DWGS

FIRE EXTINGUISHER MOUNTING HEIGHT



ADMINISTRATION BUILDING FIRE EXTINGUISHER SCHEDULE

TAG	QTY	MODEL	MANUFACTURER	DESCRIPTION
FE-1	9	ACADEMY 1027 (COSMIC 10E)	JL INDUSTRIES (ACTIVAR INC)	NON-RATED WALL, 3" ROLLED, ADA COMPLIANT CABINET W/ 10LB DRY CHEMICAL
FE-2	2	COSMIC 10E UL RATED 4A-80BC	JL INDUSTRIES (ACTIVAR INC)	10 LB DRY CHEMICAL, BRACKET MOUNTED

GENERAL NOTES:

- SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS.
- SEE SHEET A-GN-4 FOR BUILDING CODE KEY DETERMINATIONS
- SEE SHEET A-GN-2 FOR ARCHITECTURAL SITE PLAN AND BUILDING SITING INFORMATION INCLUDING SEPERATION FROM ADJACENT STRUCTURES, ETC.
- SEE SHEET A-AB-7 REFLECTED CELING PLAN AND "E" DRAWINGS FOR FULL EXTENTS OF EMERGENCY LIGHTING IN SPACES.



OCCUPANT LOAD KEY PLAN

1/16" = 1'-0"

CALCULATED OCCUPANT LOAD						
NUMBER	SPACES	AREA	SF PER OCCUPANT (FBC)	OCCUPANT LOAD (FBC)*	SF PER OCCUPANT (FFPC)	OCCUPANT LOAD (FFPC)*
1	BUSINESS	6385 SF	150 GROSS	43	150	43
3	ASSEMBLY	733 SF	15 NET	49	15	49

*MORE STINGENT REQUIREMENTS TO BE USED FOR EGRESS

TOTAL OCCUPANTS (FBC)

92

TOTAL OCCUPANTS (FFPC)

92

OCCUPANT LOAD FACTOR PER TABLE 1004.5

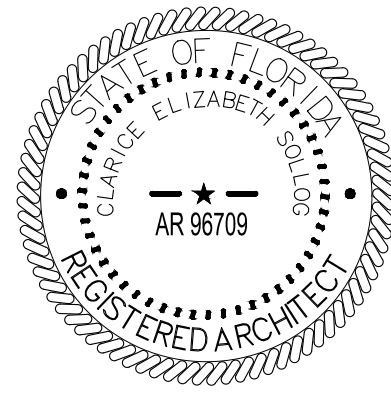
- BUSINESS
- ASSEMBLY

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

FOR DEVELOPMENT SERVICES USE

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101 SOUTHALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AW2000OB.RVT

SHEET NO.

A-AB-1

ISSUED FOR PERMITTING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

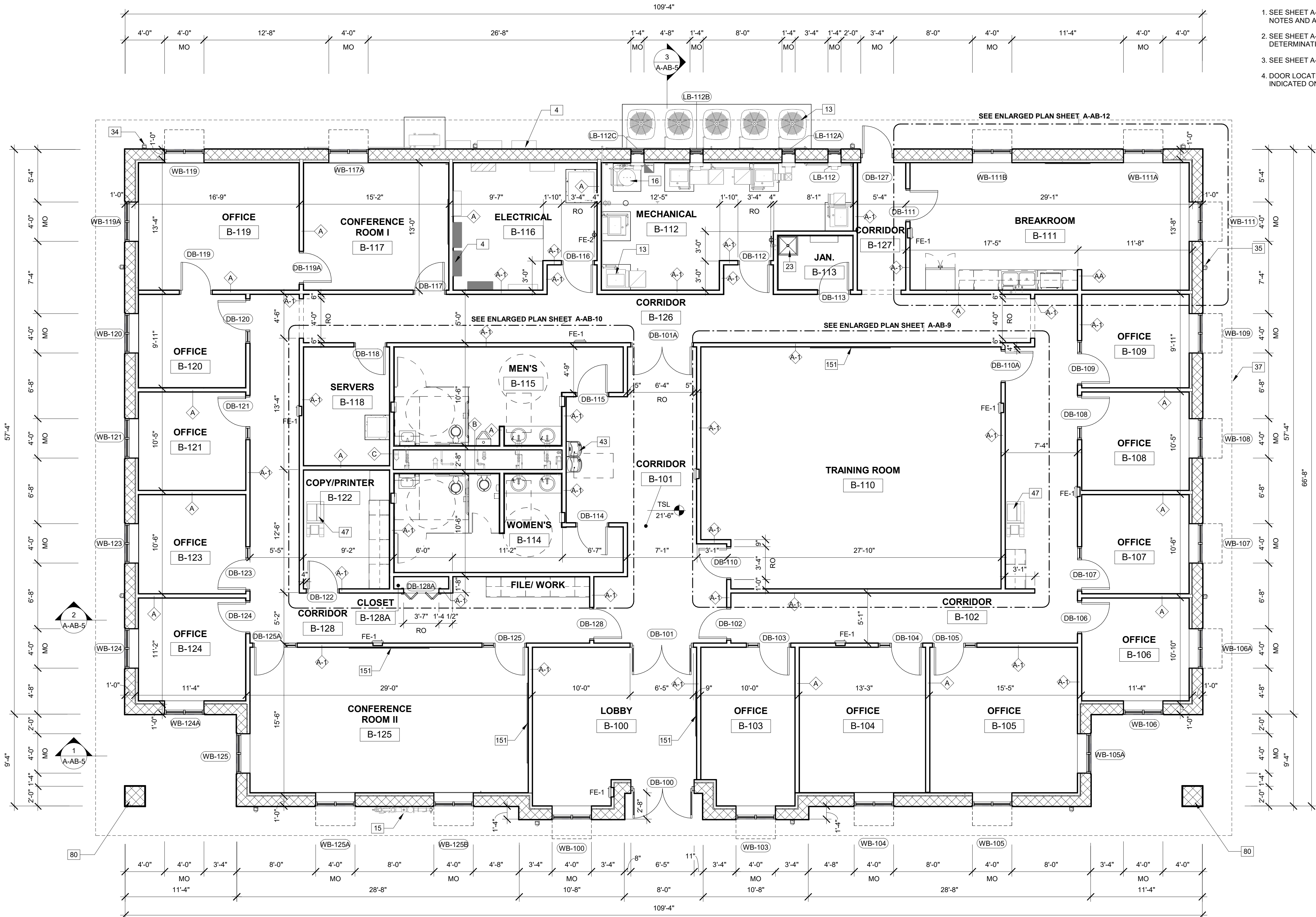
CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

ADMINISTRATION BUILDING
LIFE SAFETY PLAN

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GENERAL NOTES:

- SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS.
- SEE SHEET A-AB-5 FOR BUILDING CODE KEY DETERMINATIONS.
- SEE SHEET A-AB-1 FOR LIFE SAFETY PLAN.
- DOOR LOCATION IN STUD WALLS ARE AS INDICATED ON A-GN-1 UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
13	HVAC EQUIPMENT, SEE "H" DWGS
15	PLUMBING PIPES, SEE "P" DWGS
16	PLUMBING EQUIPMENT, SEE "P" DWGS
23	MOP SINK, SEE "P" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
37	OUTLINE OF ROOF ABOVE
43	H-I-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER, SEE "P" DWGS
47	COPIER MACHINE (NIC)
80	CMU PILASTER, SEE "S" DWGS
151	50" WALL MOUNTED TELEVISION, TYP (PROVIDE BACKING FOR MOUNTING)

0 2' 4' 6' 10'
SCALE: 3/16" = 1'-0"

FLOOR PLAN
3/16" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBDEY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

ADMINISTRATION BUILDING
FLOOR PLAN

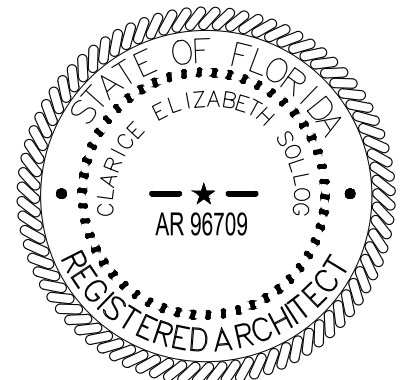
PROJECT NO. 159676-291242
FILE NAME: AW2000OB.RVT
SHEET NO.

A-AB-2

ISSUED FOR PERMITTING

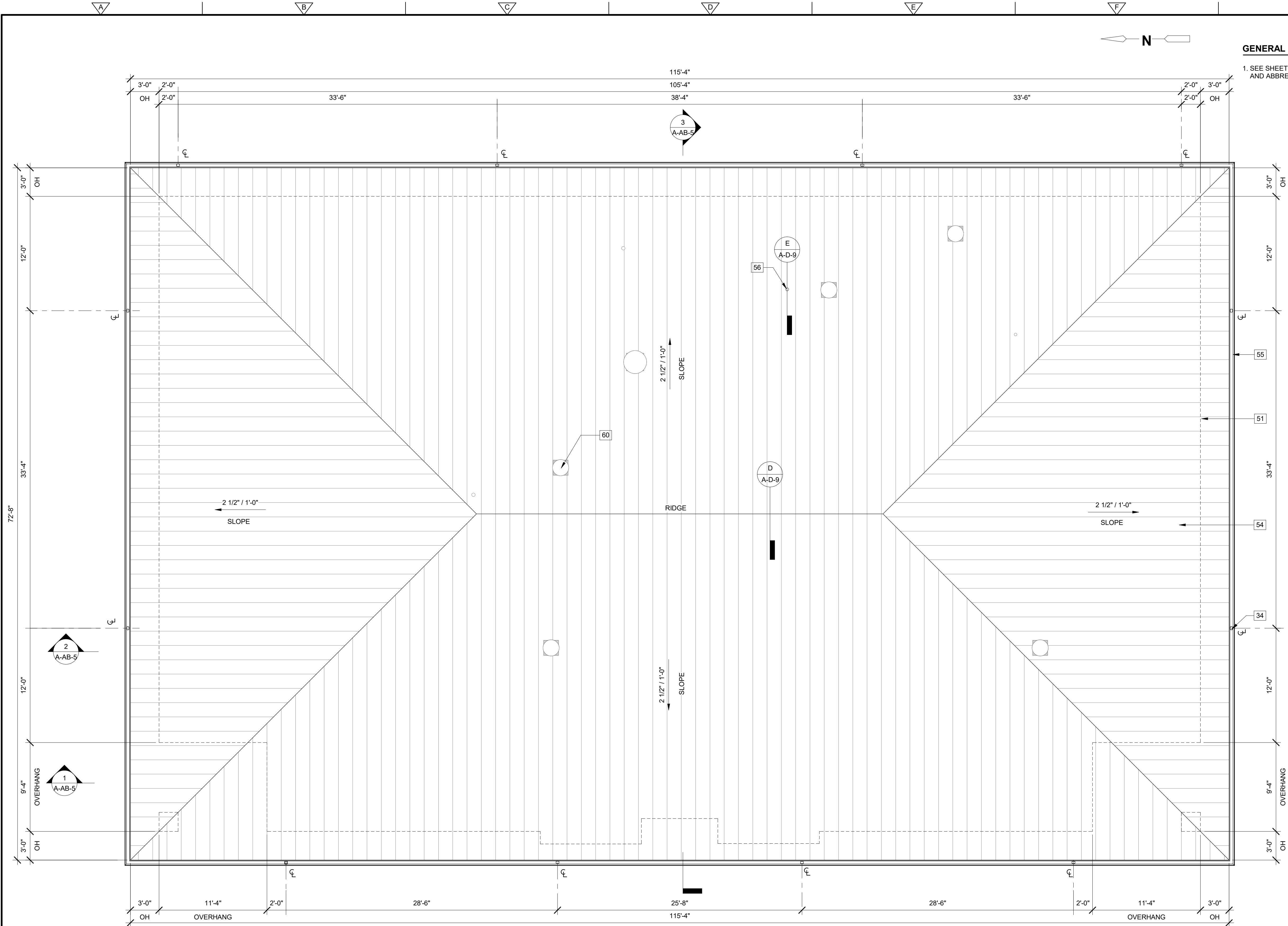
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CLARICE E. SOLLOG, AIA
NO. AR 96709
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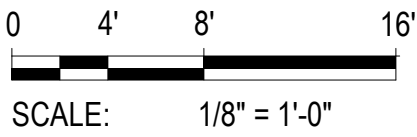
ROOF PLAN

3/16" = 1'-0"

GENERAL NOTES:

1. SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS.

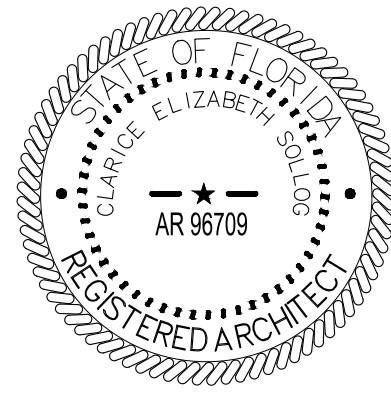
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
51	BUILDING OUTLINE BELOW
54	STANDING SEAM METAL ROOFING SYSTEM OVER COVERBOARD AND RIGID INSULATION
55	ALUMINUM GUTTER, TYP
56	VENT THROUGH ROOF, TYP. SEE "P" DWGS
60	GRAVITY HOOD, SEE "H" DWGS



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PROJECT NO. 159676-291242
FILE NAME: AWZ0000B.RVT

SHEET NO.

A-AB-3

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800

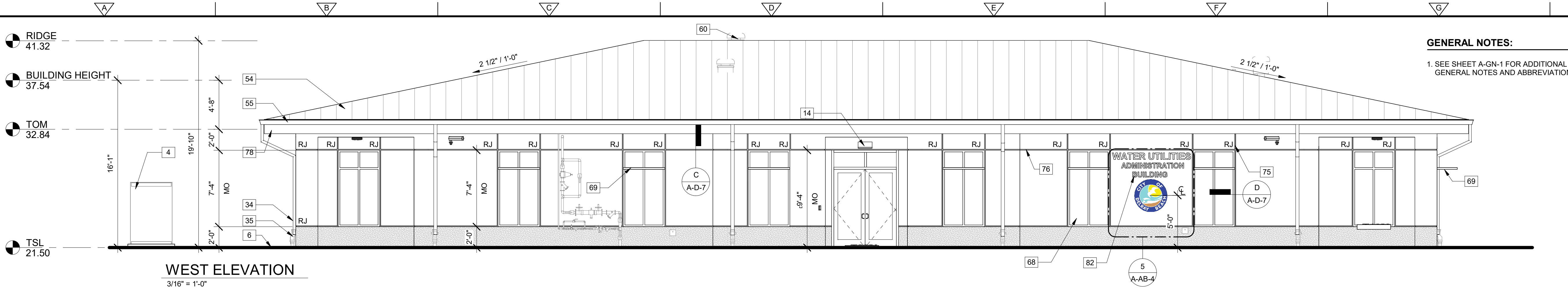


DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

ADMINISTRATION BUILDING
ROOF PLAN

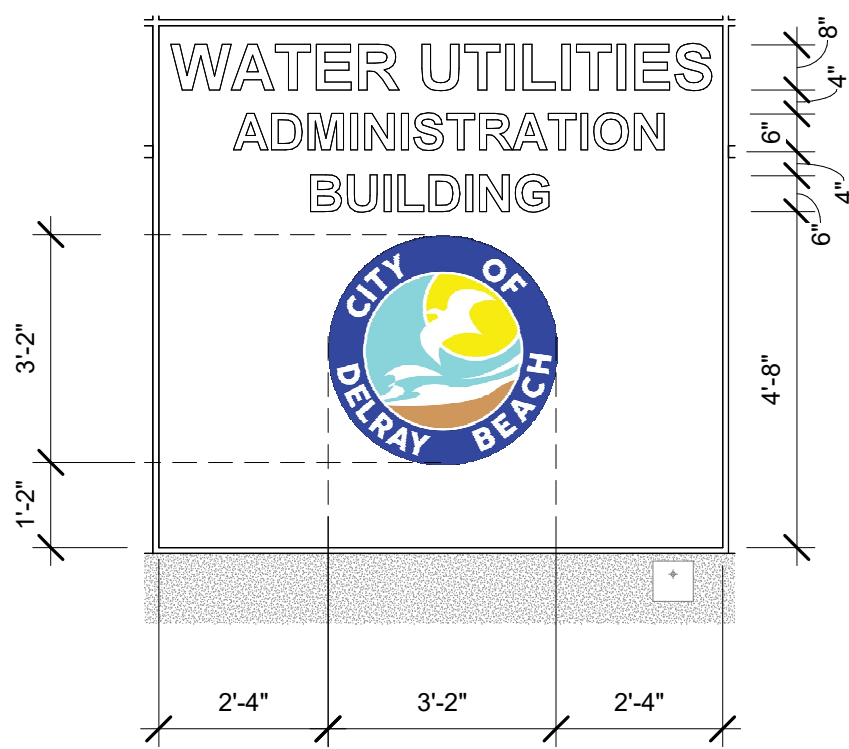
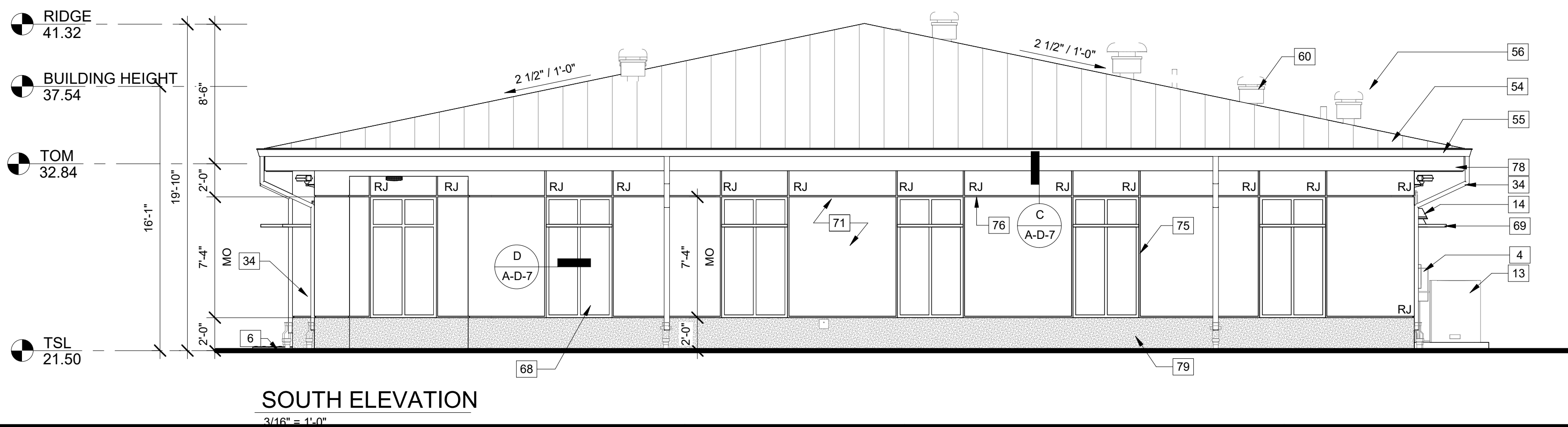
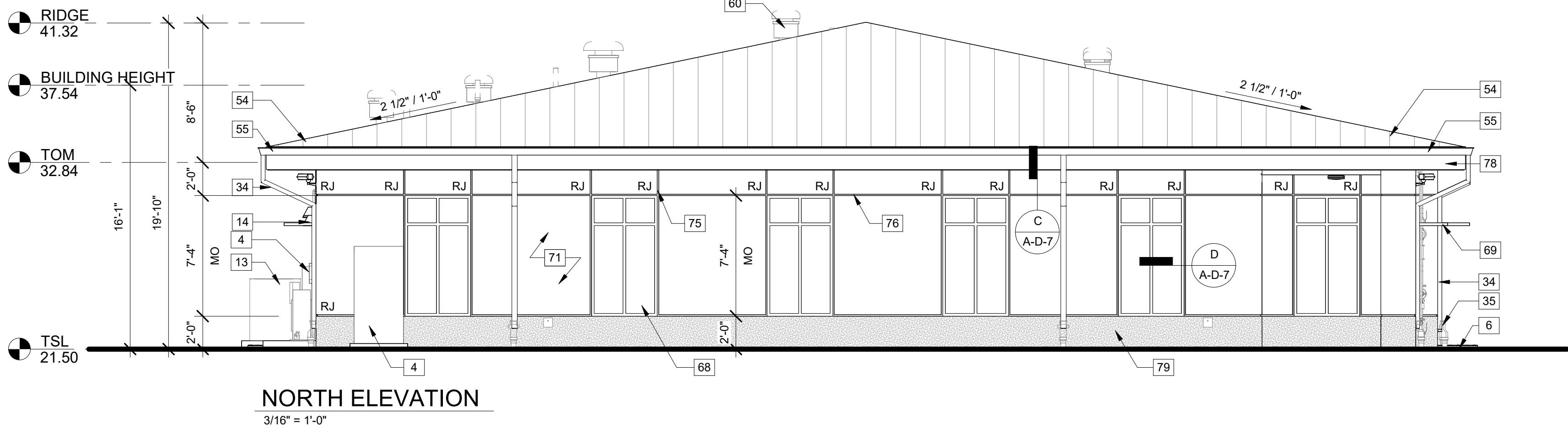
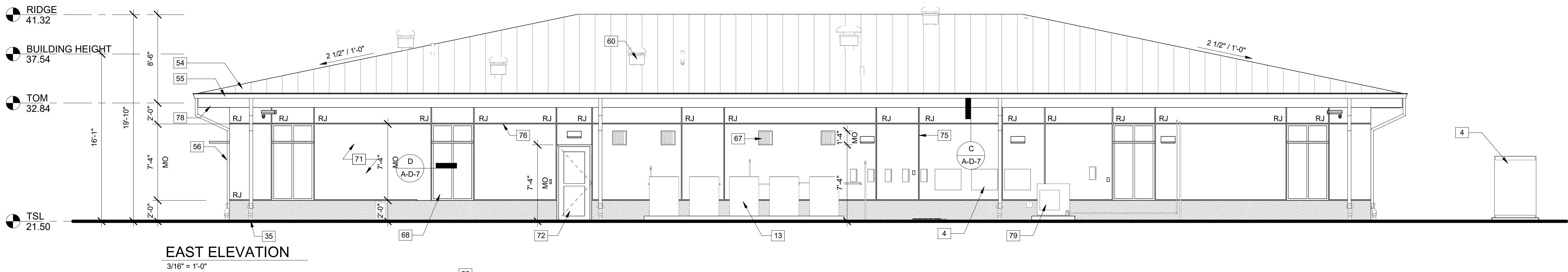
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GENERAL NOTES:
1. SEE SHEET A-GN-1 FOR ADDITIONAL GENERAL NOTES AND ABBREVIATIONS.

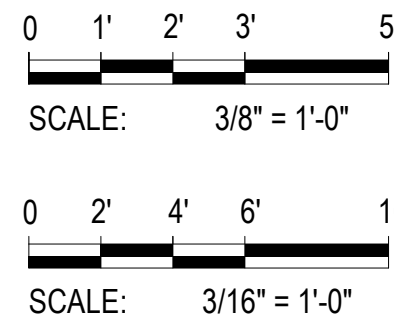
FOR BUILDING DEPARTMENT USE



ENLARGED SIGNAGE DETAIL

3/16" = 1'-0"

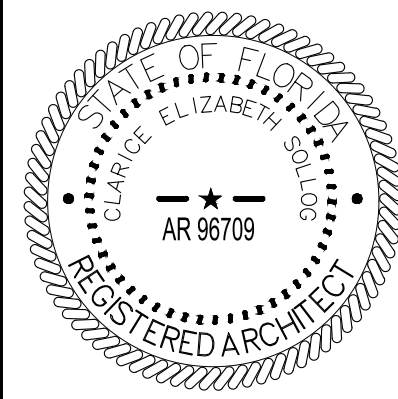
KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
6	FINISH GRADE, SEE "C" DWGS
13	HVAC EQUIPMENT, SEE "H" DWGS
14	LIGHT FIXTURE, SEE "E" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP. SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
54	STANDING SEAM METAL ROOFING SYSTEM OVER COVERBOARD AND RIGID INSULATION
55	ALUMINUM GUTTER, TYP
56	VENT THROUGH ROOF, TYP, SEE "P" DWGS
60	GRAVITY HOOD, SEE "H" DWGS
67	ALUMINUM LOUVER, SEE SCHD
68	ALUMINUM WINDOW SYSTEM, SEE SCHD
69	SUNSHADE ATTACHED TO ALUMINUM WINDOW HORIZONTAL MULLION. FINISH TO MATCH WINDOW FRAME
71	3/4" STUCCO FINISH SYSTEM (PAINTED), TYP
72	STOREFRONT DOOR AND FRAME, TYP
75	VERTICAL STUCCO REVEAL, TYP
76	HORIZONTAL STUCCO REVEAL, TYP
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP
79	ARCHITECTURAL PRECAST PANEL BASE, TYP
82	WALL MOUNTED ALUMINUM BUILDING SIGNAGE



FOR DEVELOPMENT SERVICES USE

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101 SOUTH HALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AW2000OB.RVT

SHEET NO.

A-AB-4

ISSUED FOR PERMITTING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HOBODY
SHEET CHK'D BY: C. WYNN
CROSS CHK'D BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

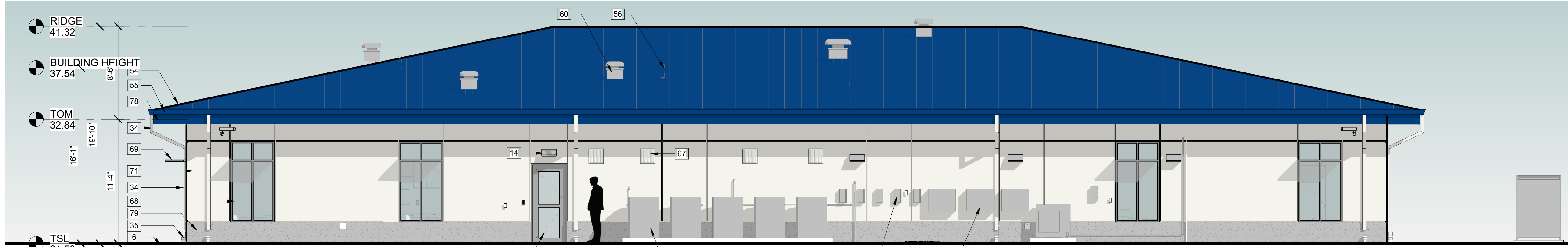
ADMINISTRATION BUILDING
EXTERIOR ELEVATIONS

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WEST ELEVATION

3/16" = 1'-0"



EAST ELEVATION

3/16" = 1'-0"



NORTH ELEVATION

3/16" = 1'-0"



SOUTH ELEVATION

3/16" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
4	ELECTRICAL EQUIPMENT, SEE "E" DWGS
6	FINISH GRADE, SEE "C" DWGS
13	HVAC EQUIPMENT, SEE "H" DWGS
14	LIGHT FIXTURE, SEE "E" DWGS
15	PLUMBING PIPES, SEE "P" DWGS
34	ALUMINUM DOWNSPOUT CONNECTED TO BELOW GRADE STORMWATER PIPING SYSTEM, TYP, SEE "C" DWGS
35	ALUMINUM DOWNSPOUT PIPE BOOT, SEE "P" DWGS
54	STANDING SEAM METAL ROOFING SYSTEM OVER COVERBOARD AND RIGID INSULATION
55	ALUMINUM GUTTER, TYP
56	VENT THROUGH ROOF, TYP, SEE "P" DWGS
60	GRAVITY HOOD, SEE "H" DWGS
67	ALUMINUM LOUVER, SEE SCHD
68	ALUMINUM WINDOW SYSTEM, SEE SCHD
69	SUNSHADE ATTACHED TO ALUMINUM WINDOW HORIZONTAL MULLION, FINISH TO MATCH WINDOW FRAME
70	ALUMINUM STOREFRONT ENTRANCE SYSTEM, SEE SCHD
71	3/4" STUCCO FINISH SYSTEM (PAINTED), TYP
72	STOREFRONT DOOR AND FRAME, TYP
75	VERTICAL STUCCO REVEAL, TYP
76	HORIZONTAL STUCCO REVEAL, TYP
78	ALUMINUM FASCIA PANEL WITH DRIP, TYP
79	ARCHITECTURAL PRECAST PANEL BASE, TYP
82	WALL MOUNTED ALUMINUM BUILDING SIGNAGE
83	CITY OF DELRAY BEACH WALL MOUNTED SEAL

FOR BUILDING DEPARTMENT USE

ROOF

Centria 9926
'Arabian Blue':
Standing Seam Mtl
Roof @ Admin. Bldg
/ Smooth Finish

FASCIA

Centria 9926 'Arabian
Blue': Standing Seam
Mtl Mansard Roof @
Process Bldg /
Smooth Finish

WINDOWS

Kawneer Windows
'Clear Anod. Alum.':
Windows and Entry
doors @ Admin. &
Process Bldgs

RAILINGS

Industrial Alum.
Guardrail 'Clr. Anod.
Alum.': Site Product
/ Smooth Finish

COLUMNS

Industrial Structural
Column @ Chem.
Stor. Canopy:
Match 'Centria' 9926
/ Smooth Finish

WALLS

Sherwin Williams
7005: Stucco Bldg
Walls and Site Wall
color / Textured
Finish

TRIM/OTHER

PCI 117 'White':
Precast Conc. Base
@ Admin. & Process
Bldgs Base material
/ Acid Etched Finish

SHUTTERS/AWININGS

Centria 9926
'Arabian Blue':
Awnings @ Process
Bldg / Smooth Finish

FENCE

Industrial Alum.
Fence and Gate
'Black': Site Product
/ Smooth finish

OTHER

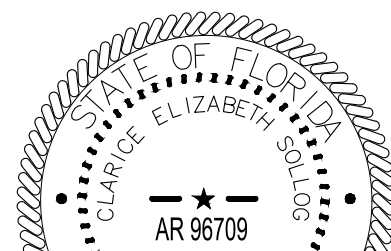
Glass Types (Guardian Ind.): Insulated /
Impact Resistant
1. Clear / Low E
2. Clear / Low E / Translucent
3. Clear / Low E / Translucent (Black)

FOR DEVELOPMENT SERVICES USE

0 2' 4' 6' 10'
SCALE: 3/16" = 1'-0"

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101 SOUTHALL LANE, SUITE 200
MAITLAND, FL 32751

PROJECT NO. 159676-291242
FILE NAME: AW2000OB.RVT

SHEET NO.
A-AB-4A

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. WYNN
DRAWN BY: G. HORDY
SHEET CHKD BY: C. WYNN
CROSS CHKD BY: A. SHELDON
APPROVED BY: C. SOLLOG
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800

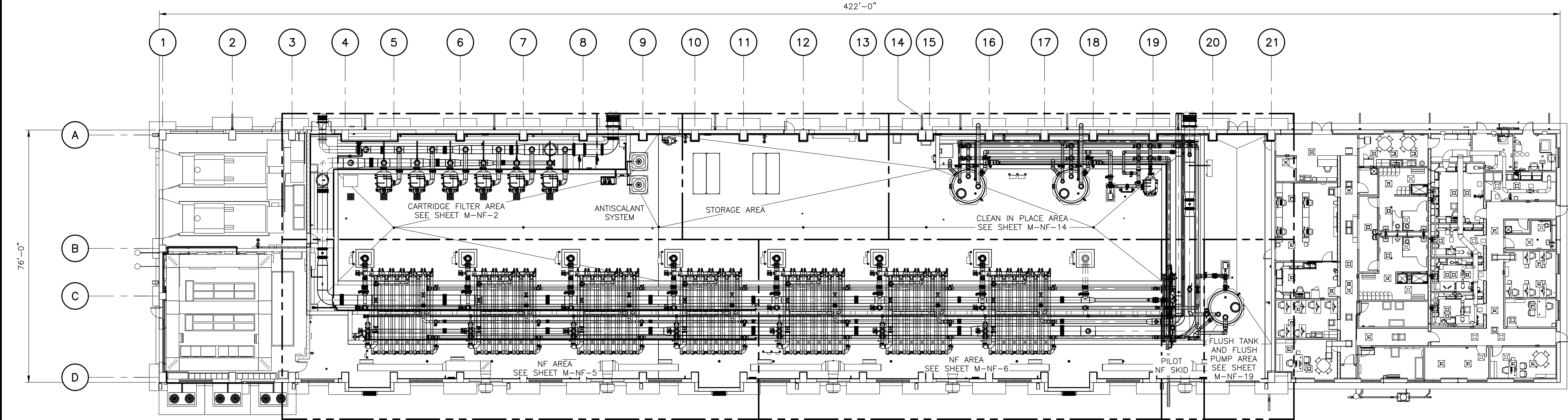


DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

ADMINISTRATION BUILDING
EXTERIOR ELEVATIONS

ISSUED FOR PERMITTING

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PLAN
1/16" = 1'-0"



633 S. Andrews Ave., Suite 402
Fort Lauderdale, FL 33301
Tel: (954) 797-7100
Florida Registry No. 28952

DESIGNED BY: J. BENJAMIN
DRAWN BY: D. RAMALES
SHEET CHK'D BY: J. BENJAMIN
CROSS CHK'D BY: F. BRINSON
APPROVED BY: J. BENJAMIN
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800



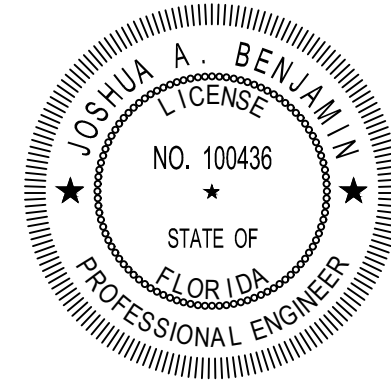
DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
OVERALL PLAN

1/16" = 1'-0"
8 4 0 8 16

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DATE:
JOSHUA A BENJAMIN
PE NO. 100436

PROJECT NO. 159676-291242
FILE NAME: M-NF-01.dwg

SHEET NO.
M-NF-1

ISSUED FOR PERMITTING

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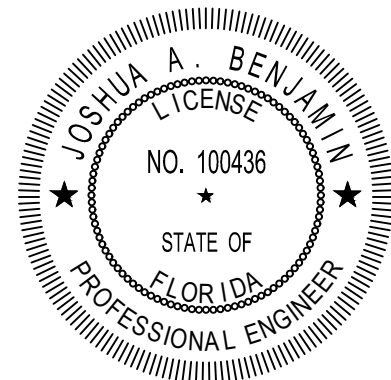
NOTE:

1. JOINTS FOR FIELD ASSEMBLY OF LARGE DIAMETER FABRICATED TRENCH HEADER SUBASSEMBLIES SHALL BR PROVIDED AT LOCATIONS TO FACILITATE INSTALLATION AND ALLOW FOR EXPANSION AND DISASSEMBLY FOR REPAIRS AND SERVICING. CONTRACTOR SHALL SUBMIT DETAILED PIPE LAYOUT AND FABRICATION DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL.



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
CARTRIDGE FILTERS AREA
ENLARGED PLAN

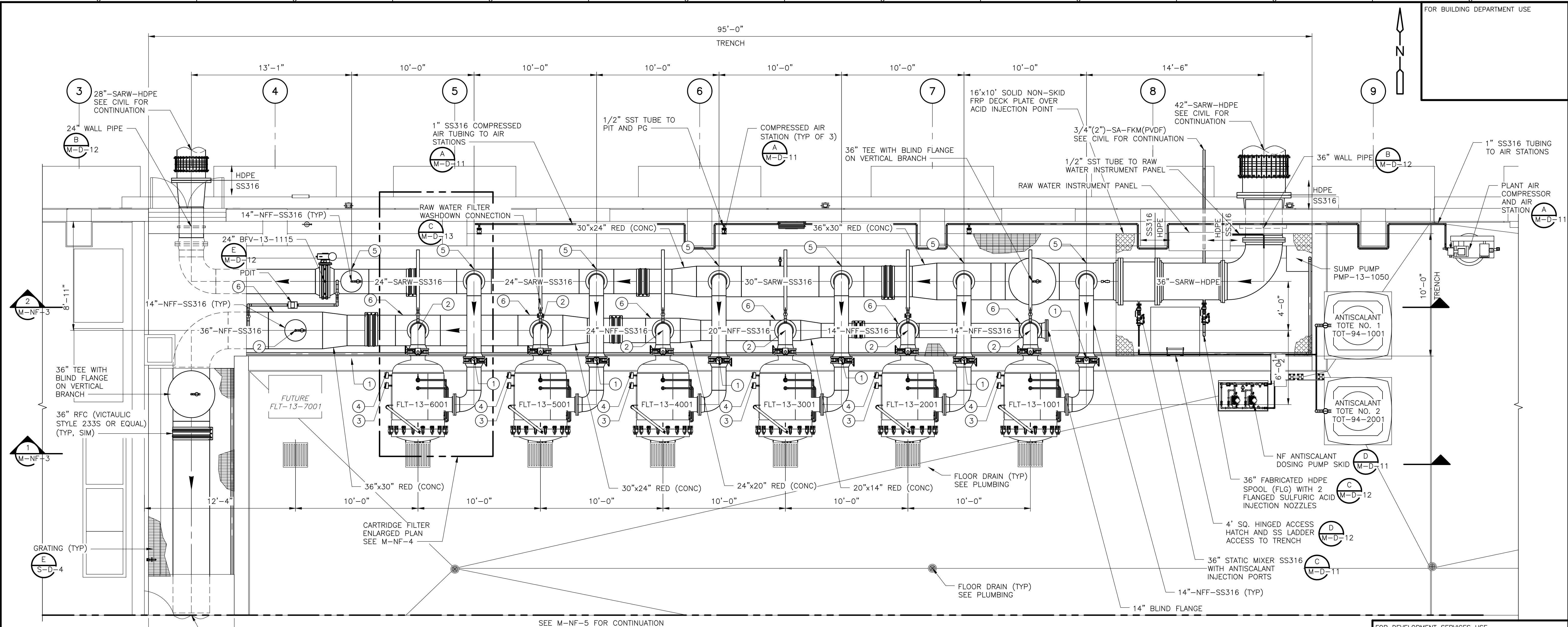


DATE:
JOSHUA A BENJAMIN
PE NO. 100436

PROJECT NO. 159676-291242
FILE NAME: M-NF-02.dwg

SHEET NO.
M-NF-2

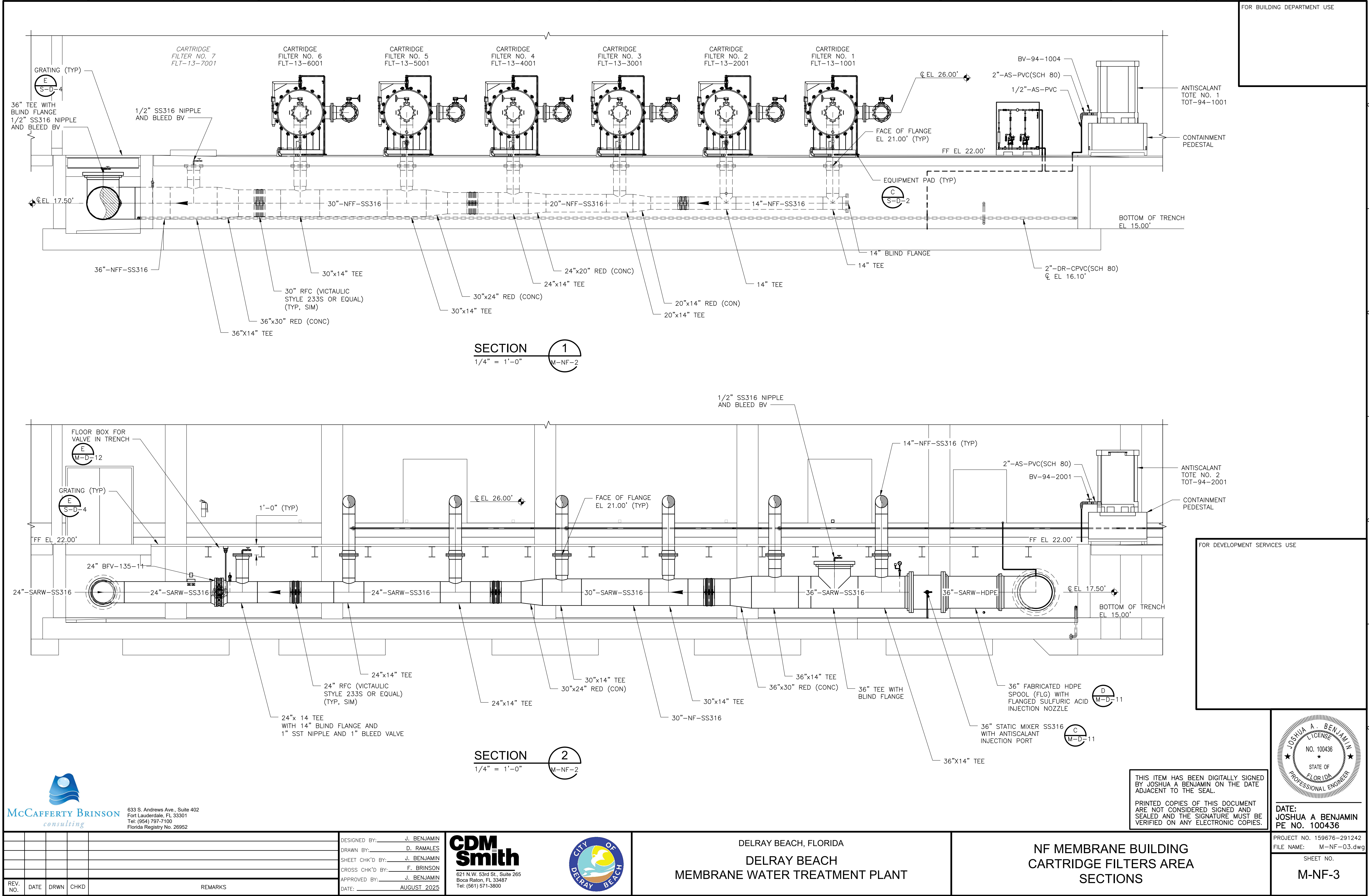
ISSUED FOR PERMITTING



CARTRIDGE FILTERS
PLAN
1/4" = 1'-0"

CARTRIDGE FILTER NO.	①	②	③	④	⑤	⑥
FLT-13-1001	14" BFV-13-1001	14" BFV-13-1002	PG-13-1001A	PG-13-1001B	36"x14" TEE	14" TEE
FLT-13-2001	14" BFV-13-2001	14" BFV-13-2002	PG-13-2001A	PG-13-2001B	36"x14" TEE	14" TEE
FLT-13-3001	14" BFV-13-3001	14" BFV-13-3002	PG-13-3001A	PG-13-3001B	30"x14" TEE	20"x14" TEE
FLT-13-4001	14" BFV-13-4001	14" BFV-13-4002	PG-13-4001A	PG-13-4001B	30"x14" TEE	24"x14" TEE
FLT-13-5001	14" BFV-13-5001	14" BFV-13-5002	PG-13-5001A	PG-13-5001B	24"x14" TEE	30"x14" TEE
FLT-13-6001	14" BFV-13-6001	14" BFV-13-6002	PG-13-6001A	PG-13-6001B	24"x14" TEE	30"x14" TEE
FLT-13-7001	14" BFV-13-7001	36"x14" TEE WITH BLIND FLANGE	PG-13-7001A	PG-13-7001B	24"x14" TEE WITH BLIND FLANGE	36"x14" TEE

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DESIGNED BY: J. BENJAMIN
DRAWN BY: D. RAMALES
SHEET CHK'D BY: J. BENJAMIN
CROSS CHK'D BY: F. BRINSON
APPROVED BY: J. BENJAMIN
DATE: AUGUST 2025

CDM Smith
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Boca Raton, FL 33487
Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
CARTRIDGE FILTERS AREA
SECTIONS

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Tel: (954) 797-7100
Florida Registry No. 28952

DESIGNED BY: J. BENJAMIN
DRAWN BY: D. RAMALES
SHEET CHK'D BY: J. BENJAMIN
CROSS CHK'D BY: F. BRINSON
APPROVED BY: J. BENJAMIN
DATE: AUGUST 2025

CDM Smith
621 N.W. 53rd St., Suite 265
Boca Raton, FL 33487
Tel: (561) 571-3800

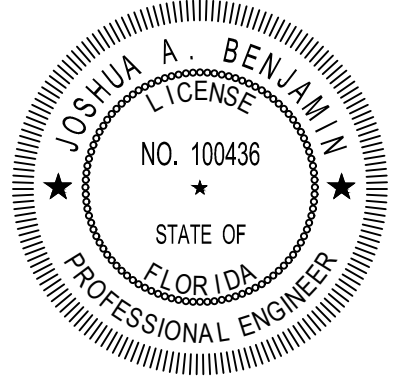


DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
CLEAN IN PLACE AREA
PLAN

THIS ITEM HAS BEEN DIGITALLY SIGNED
BY JOSHUA A. BENJAMIN ON THE DATE
ADJACENT TO THE SEAL.

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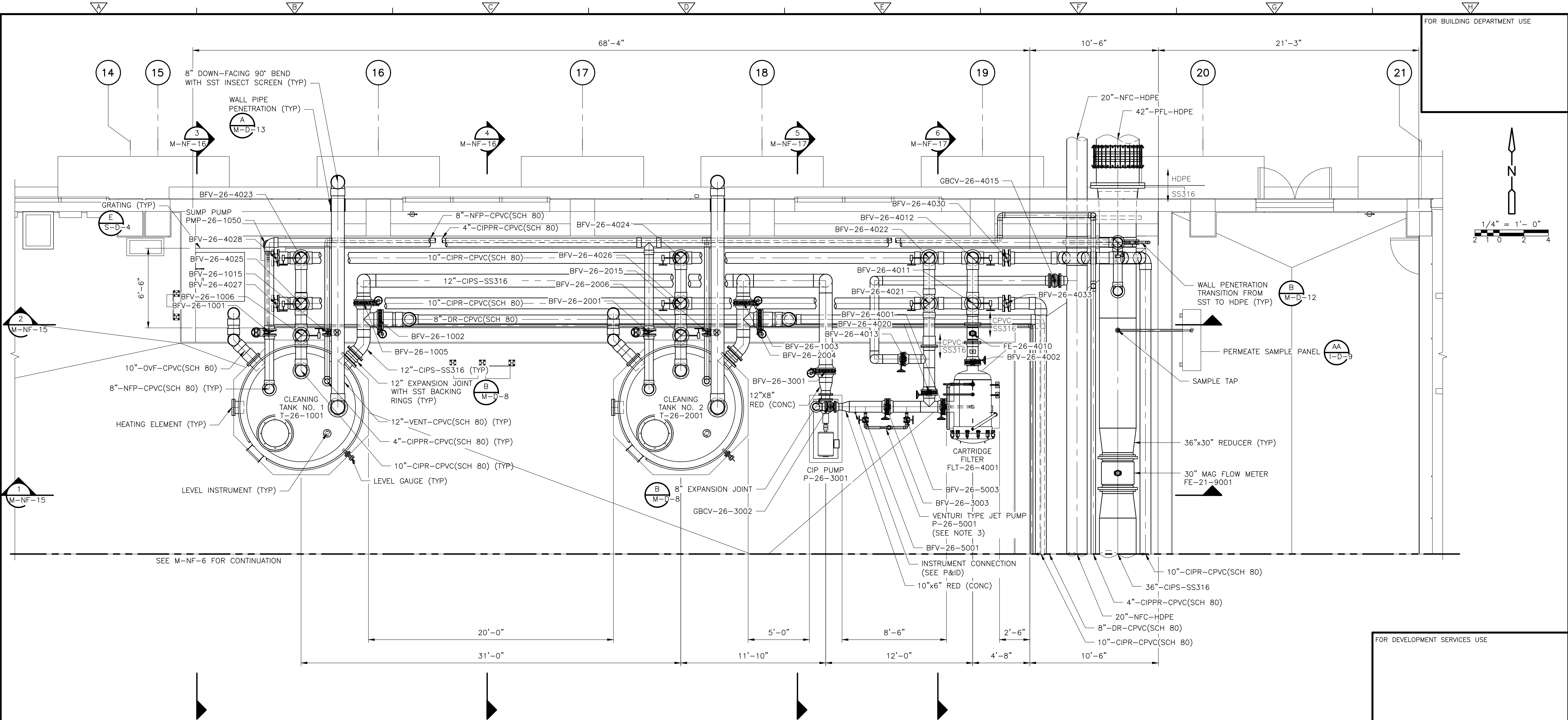
DATE:
JOSHUA A. BENJAMIN
PE NO. 100436

PROJECT NO. 159676-291242
FILE NAME: M-NF-14.dwg

SHEET NO.

M-NF-14

ISSUED FOR PERMITTING

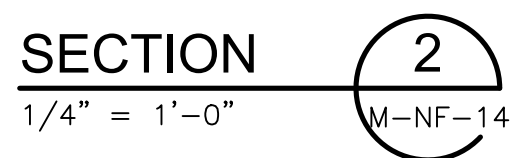
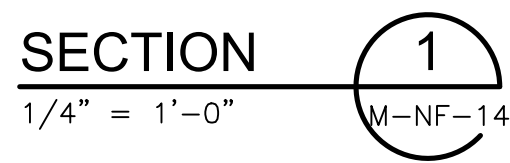


NOTES:

- CLEANING TANKS SHALL BE IDENTICAL IN DESIGN. NOTES AND REFERENCES ABOVE REFERRING TO ONE SHALL APPLY TO BOTH TANKS.
- NOZZLES FOR TANK FILL AND CIP RETURN PIPING ENTERING THE TOP OF TANKS SHALL BE EQUIPPED WITH INTERNAL DROP PIPES THAT EXTEND TO WITHIN 3' FROM THE BOTTOM OF THE TANK.
- PENBERTHY 2" PVC MODEL LL, OR EQUAL WITH 4' REINFORCED FLEXIBLE PVC SUCTION HOSE. PROVIDE ONE SHELF SPARE JET PUMP TO OWNER.

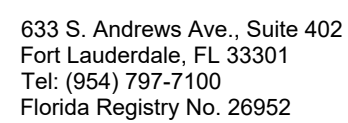
PLAN

1/4" = 1'-0"



M-NF-15

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**CDM
Smith**
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Boca Raton, FL 33487
Tel: (561) 571-3800



NF MEMBRANE BUILDING CLEAN IN PLACE AREA SECTIONS I

REV. NO.	DATE	DRWN	CHKD	REMARKS	

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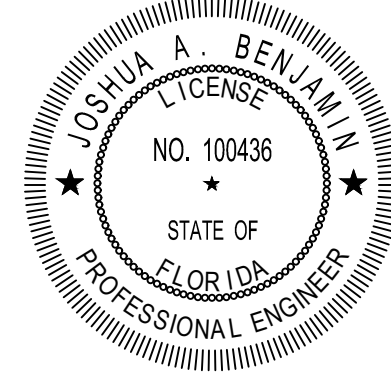
DESIGNED BY: J. BENJAMIN
DRAWN BY: D. RAMALES
SHEET CHK'D BY: J. BENJAMIN
CROSS CHK'D BY: F. BRINSON
APPROVED BY: J. BENJAMIN
DATE: AUGUST 2025

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621 N.W. 53rd St., Suite 265
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Tel: (561) 571-3800



DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
CLEAN IN PLACE AREA
SECTIONS II



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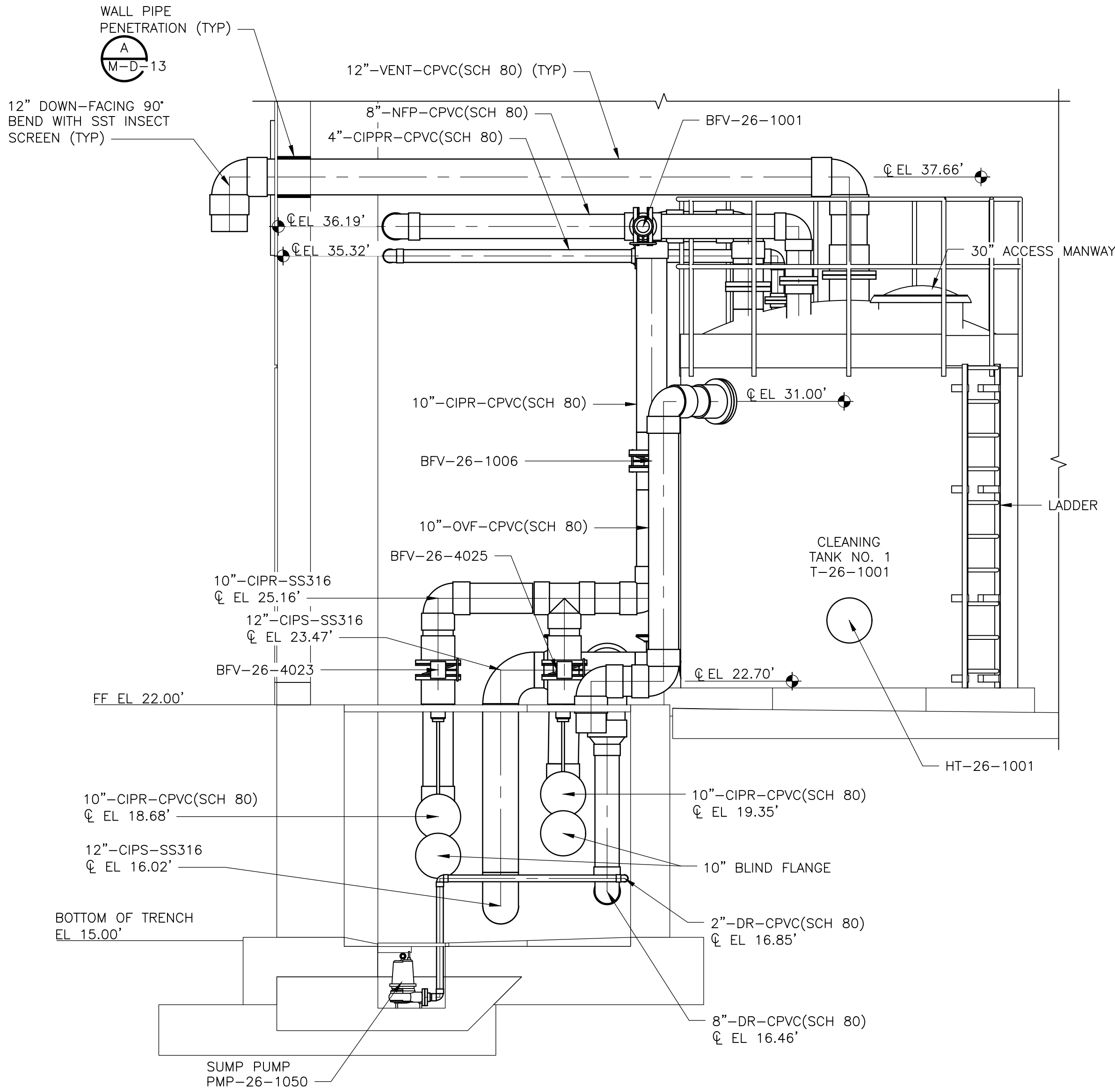
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PE NO. 100436

PROJECT NO. 159676-291242
FILE NAME: M-NF-16.dwg

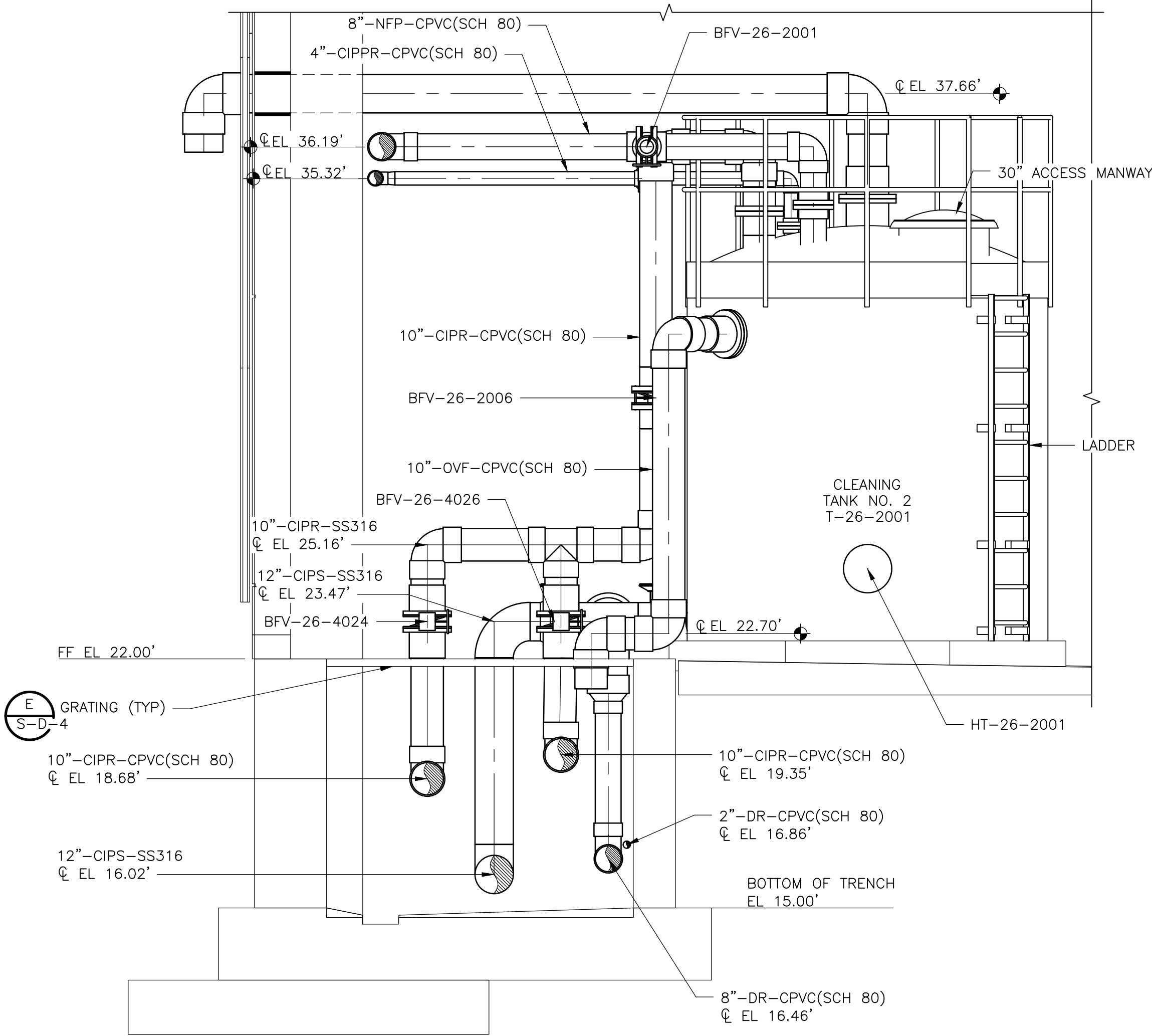
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M-NF-16

ISSUED FOR PERMITTING



SECTION 3
3/8" = 1'-0"
M-NF-14



SECTION 4
3/8" = 1'-0"
M-NF-14

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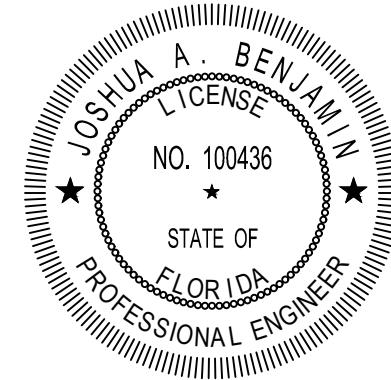
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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
CLEAN IN PLACE AREA
SECTIONS III



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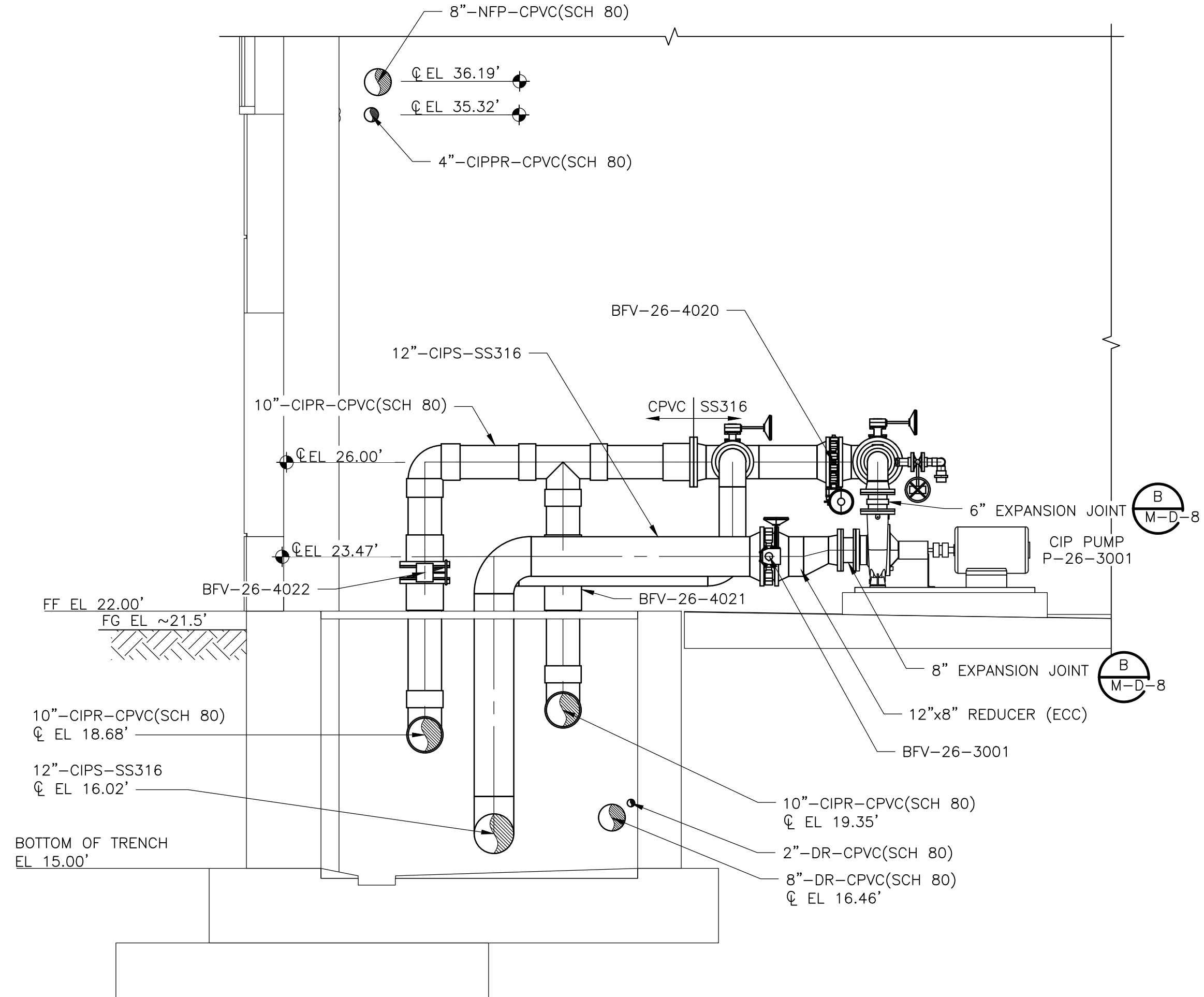
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PE NO. 100436

PROJECT NO. 159676-291242
FILE NAME: M-NF-17.dwg

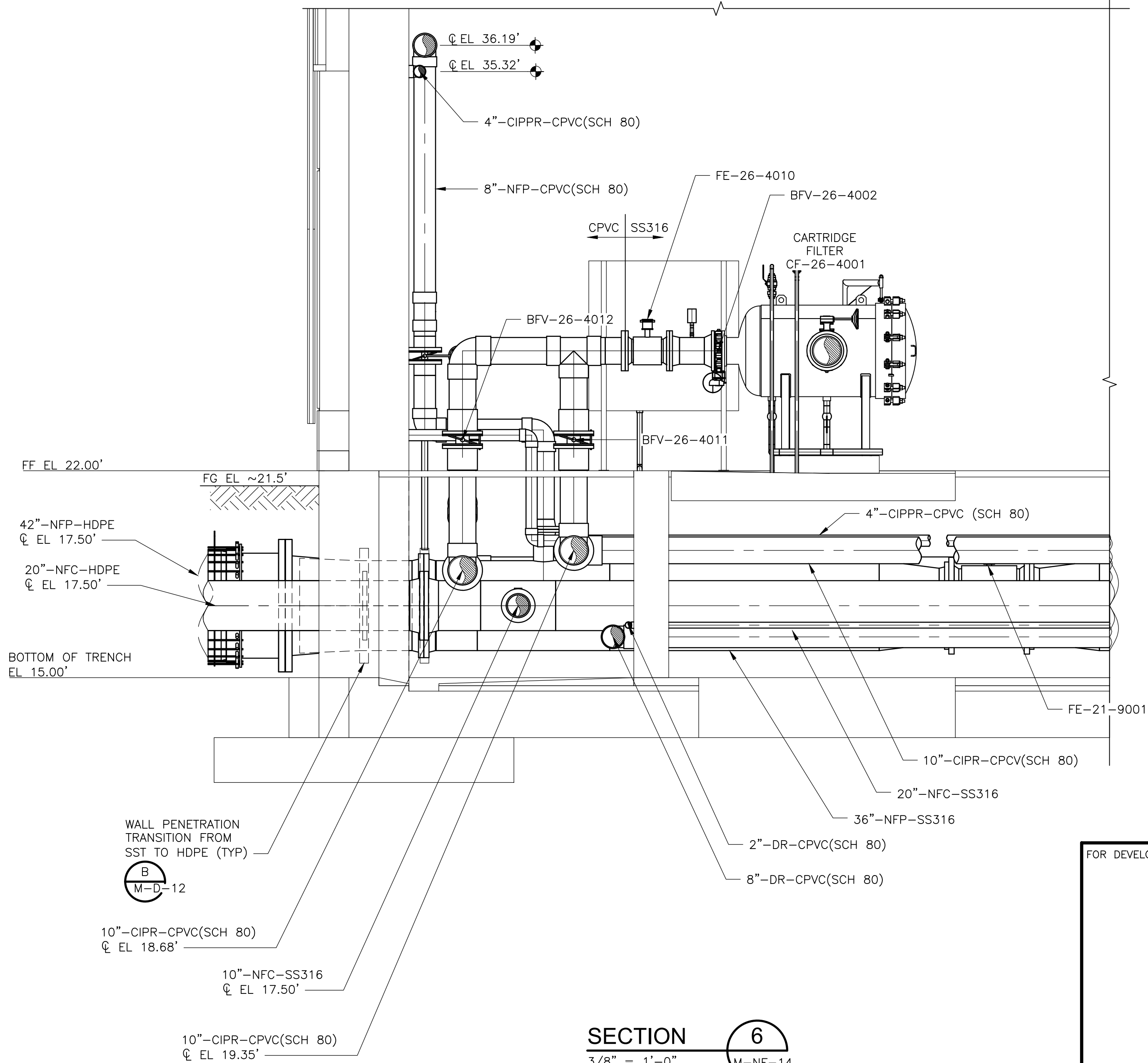
SHEET NO.

M-NF-17

ISSUED FOR PERMITTING



SECTION 5
3/8" = 1'-0" M-NF-14



SECTION 6
3/8" = 1'-0" M-NF-14

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FOR DEVELOPMENT SERVICES USE

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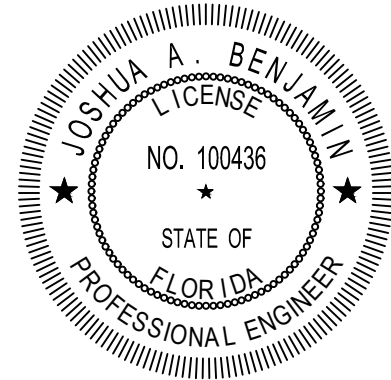
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APPROVED BY: J. BENJAMIN
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DELRAY BEACH, FLORIDA
DELRAY BEACH
MEMBRANE WATER TREATMENT PLANT

NF MEMBRANE BUILDING
CLEAN IN PLACE AREA
PARTIAL ISOMETRIC VIEW



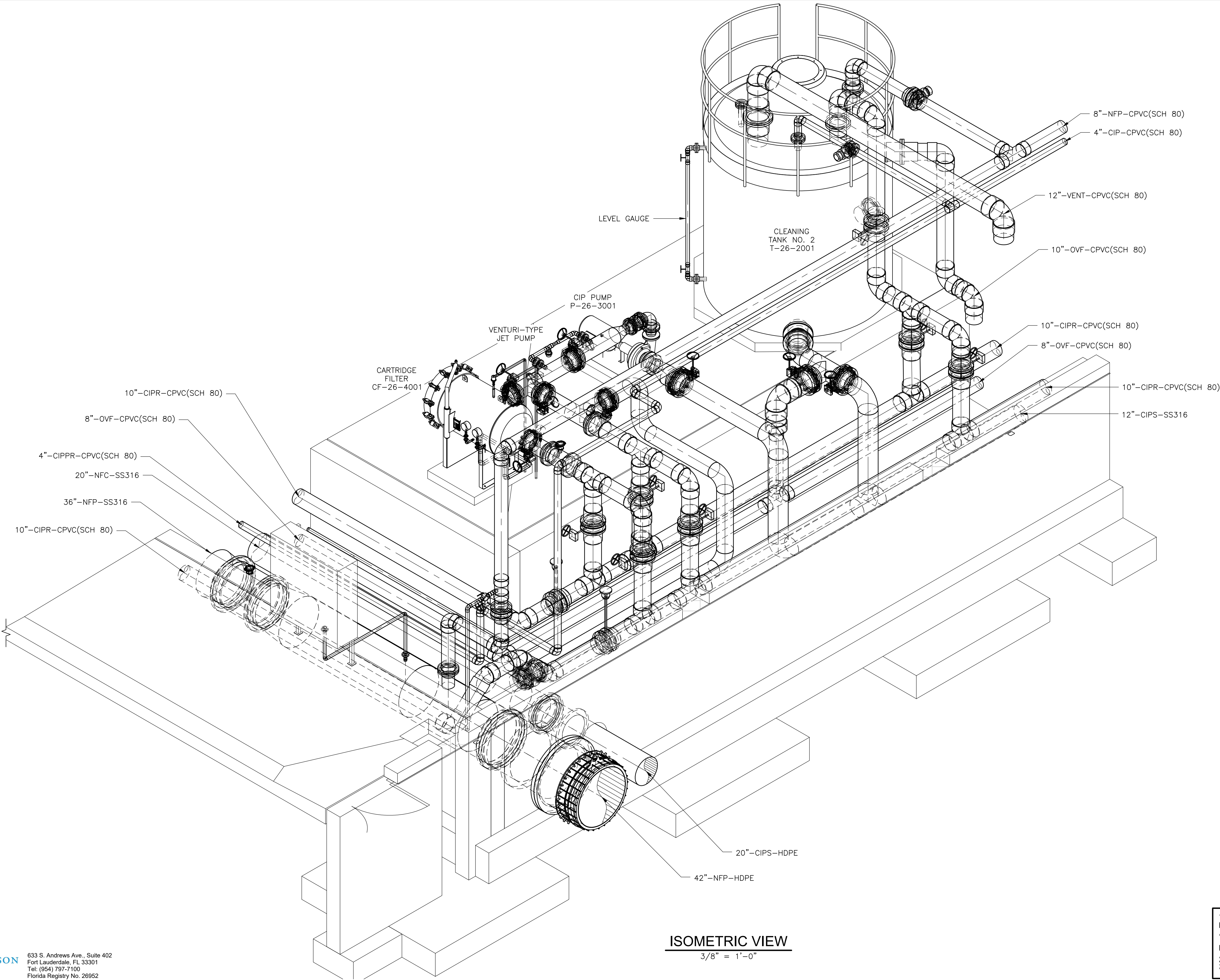
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FILE NAME: M-NF-18.dwg

SHEET NO.

M-NF-18

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ISOMETRIC VIEW
3/8" = 1'-0"

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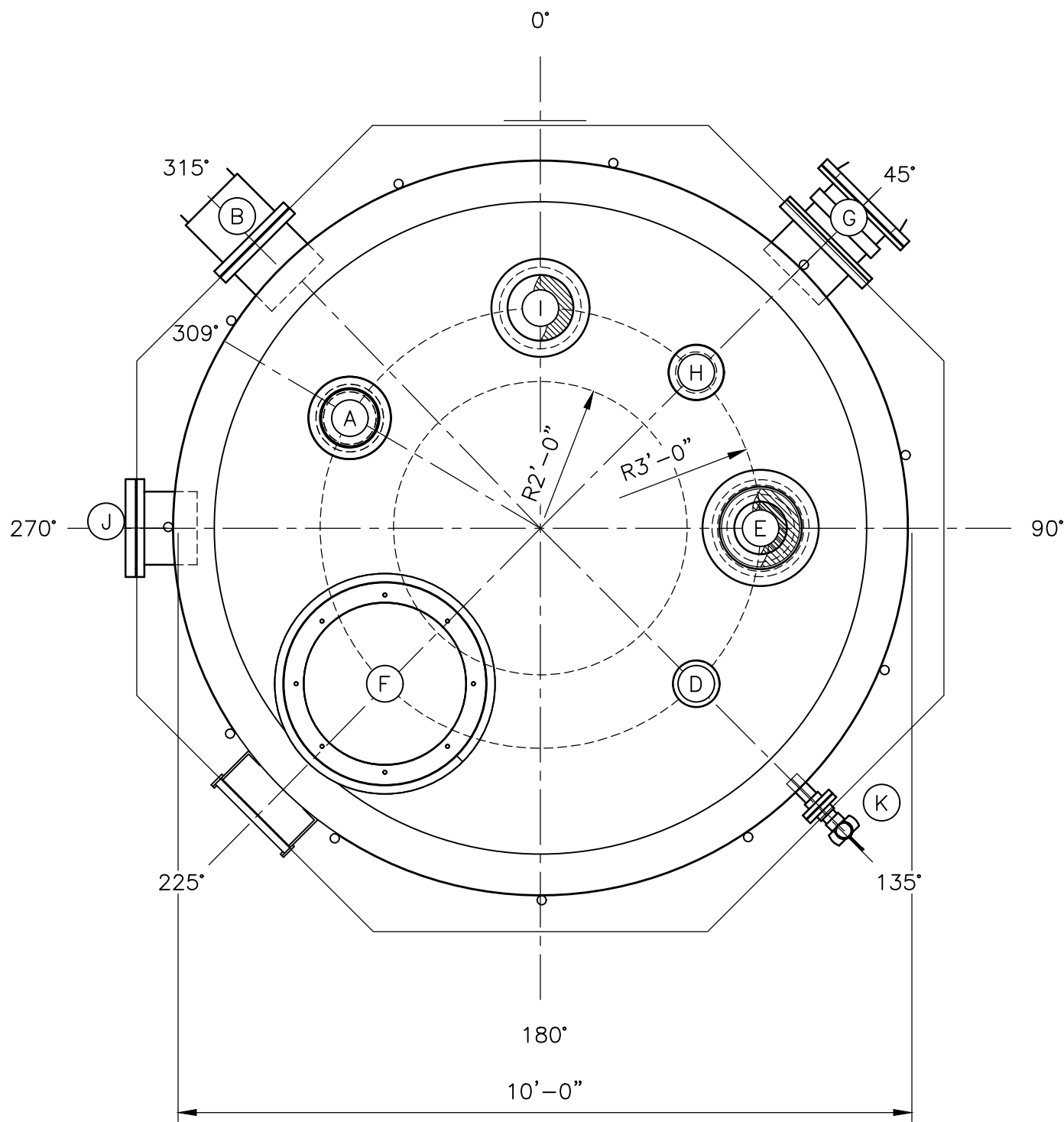
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CLEAN IN PLACE TANK
T-26-1001 & T-26-2001

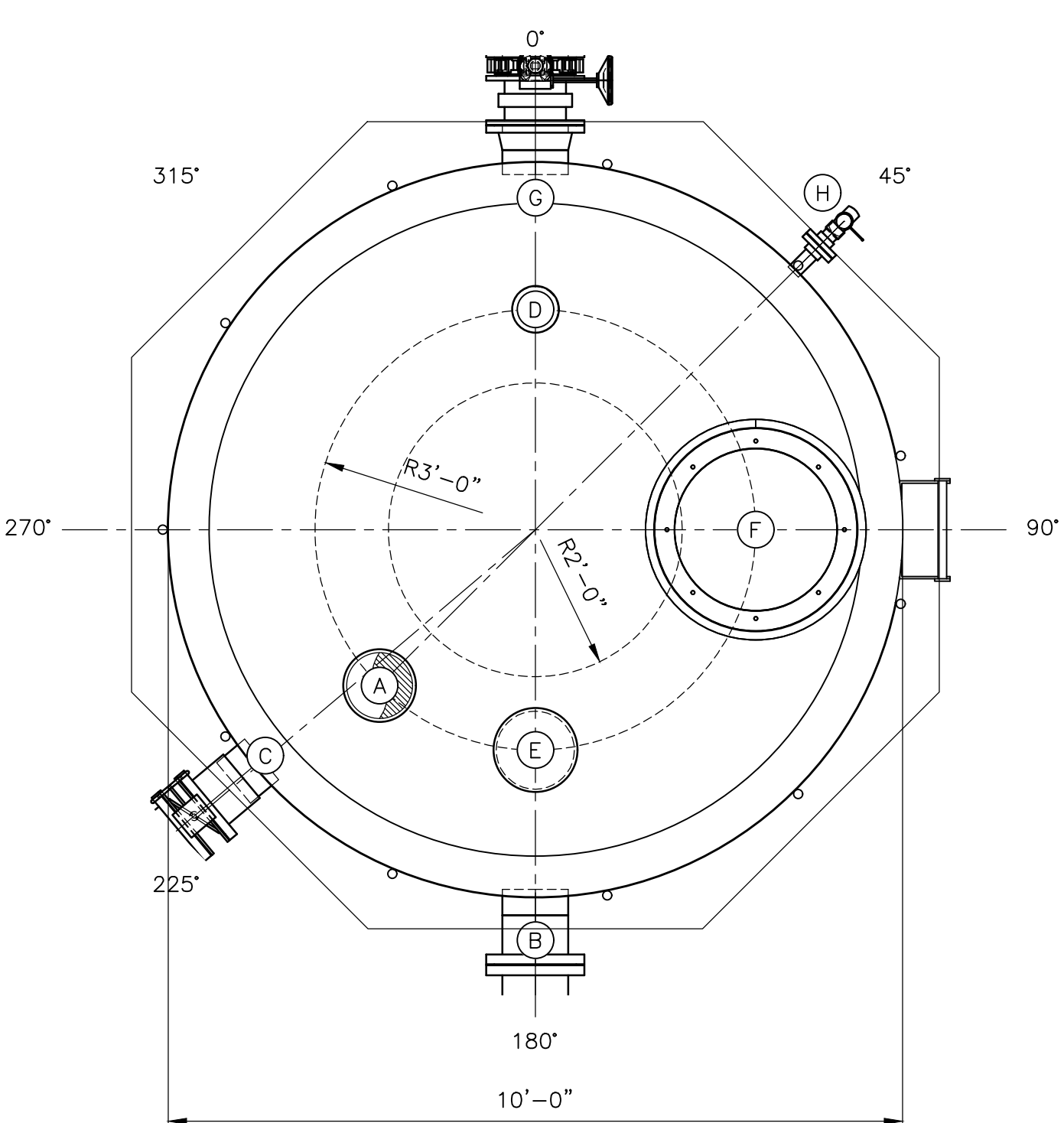


CLEANING TANKS					
LOCATION	SERVICE	SIZE (INCHES)	DESCRIPTION	HEIGHT FROM BASE OF TANK TO CENTERLINE	ORIENTATION (DEGREES)
A	TANK FILL**	8	150# FLANGE	N/A	309
B	OVERFLOW	10	150# FLANGE	8' - 6"	315
C	DRAIN	8	150# FLANGE	-	-
D	LEVEL SENSOR	3*	150# FLANGE	N/A	135
E	TANK VENT	12	150# FLANGE	N/A	90
F	MANWAY	30	150# FLANGE	N/A	225
G	FULL-DRAIN OUTLET TO CIP PUMP WITH EXPANSION JOINT	12	150# FLANGE	FLUSH WITH BASE	180
H	PERMEATE RETURN**	4	150# FLANGE	N/A	45
I	CIP RETURN**	10	150# FLANGE	N/A	120
J	IMMERSION HEATER	10	150# FLANGE	2' - 0"	270
K	TANK LEVEL SITE TUBE	1	150# FLANGE	0' - 3"; 8' - 9"	135

* COORDINATE WITH SENSOR MFR REQUIREMENTS.

** NOZZLES FOR FILL/RETURN CONNECTIONS ENTERING THE TOP OF THE TANKS SHALL BE FURNISHED WITH INTERNAL DROP PIPES EXTENDING TO 4' FROM FLOOR OF TANK.

FLUSHING TANK
T-28-1001



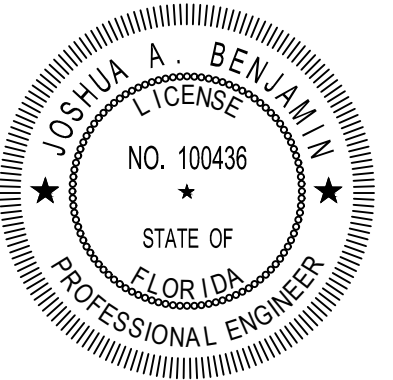
FLUSHING TANK					
LOCATION	SERVICE	SIZE (INCHES)	DESCRIPTION	HEIGHT FROM BASE OF TANK TO CENTERLINE	ORIENTATION (DEGREES)
A	TANK FILL**	10	150# FLANGE	N/A	225
B	OVERFLOW	10	150# FLANGE	8' - 6"	180
C	DRAIN	8	150# FLANGE	FLUSH WITH BASE	230
D	LEVEL SENSOR	3*	150# FLANGE	N/A	0
E	TANK VENT	12	150# FLANGE	N/A	180
F	MANWAY	30	150# FLANGE	N/A	90
G	FULL-DRAIN OUTLET TO CIP PUMP WITH EXPANSION JOINT	10	150# FLANGE	FLUSH WITH BASE	0
H	TANK LEVEL SITE TUBE	1	150# FLANGE	0' - 3"; 8' - 9"	45

* COORDINATE WITH SENSOR MFR REQUIREMENTS.

** NOZZLES FOR FILL/RETURN CONNECTIONS ENTERING THE TOP OF THE TANKS SHALL BE FURNISHED WITH INTERNAL DROP PIPES EXTENDING TO 2' FROM FLOOR OF TANK.

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PE NO. 100436

PROJECT NO. 159676-291242
FILE NAME: M-NF-22.dwg

SHEET NO.

M-NF-22

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