

GROVE CREEK WPCP

CITY OF COMMERCE, GA
GMC PROJECT # CATL230033



CITY OF COMMERCE, GA



LOCATION MAP



MARCH 2025

BID SET



Georgia One-Call Center
1-800-282-7411
Call at Least Two Working Days
Before You Dig
It's The Law

CLIENT PROJECT TEAM

DR. J. CLARK HILL, III	MAYOR
KEITH BURCHETT	MAYOR PRO-TEM
MATTHEW HAILEY	CITY MANAGER
JOSH ALLISON	WATER & SEWER SUPERINTENDENT
TADD EDMONDSON	WASTEWATER SUPERINTENDENT

DESIGN PROJECT TEAM

GOODWYN MILLS CAWOOD, LLC	CIVIL, PROCESS, ARCHITECTURAL
BFIELD ENGINEERING	ELECTRICAL, MECHANICAL, PLUMBING
DAY STRUCTURES	STRUCTURAL

I CERTIFY THAT I HAVE BEEN IN RESPONSIBLE CHARGE OF THE DESIGN OF THIS PROJECT IN ACCORDANCE WITH THE RULES OF THE GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS. I FURTHER CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THESE PLANS AND SPECIFICATION WERE PREPARED IN ACCORDANCE WITH CURRENT STANDARD ENGINEERING PRACTICES AND ACCURATELY REFLECT THE DESIGN DEVELOPMENT REPORT (DDR) PREVIOUSLY REVIEWED AND CONCURRED IN BY EPD. I FURTHER CERTIFY THAT THE SYSTEM AS DESIGNED CAN REASONABLY BE EXPECTED TO CONSISTENTLY MEET ALL CURRENTLY APPLICABLE PERMIT LIMITS, CONDITIONS, AND REGULATORY REQUIREMENTS, PROVIDED THE FACILITY IS CONSTRUCTED AS DESIGNED AND PROPERLY OPERATED AND MAINTAINED.

ENGINEER'S SIGNATURE *Graham S. Sizemore*

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

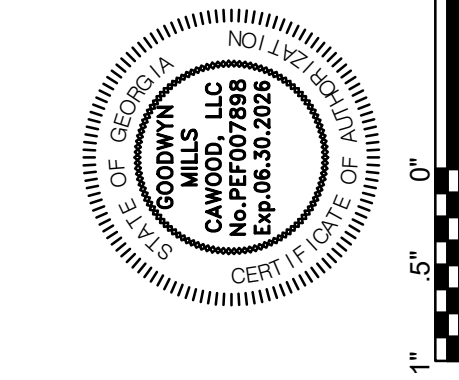


TITLE SHEET

G-001

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	



GMC

6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481

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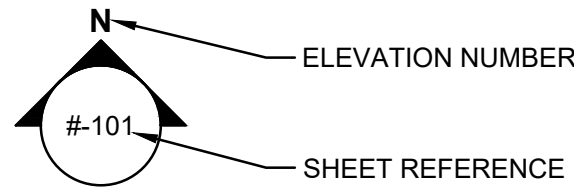
PROCESS		E-114	HEADWORKS LIGHTNING PROTECTION PLAN
SHT #	SHEET TITLE	E-115	DRUM SCREEN ELECTRICAL SCHEMATICS
D-403	CLARIFIERS - INFLUENT DETAIL	E-116	GRIT REMOVAL ELECTRICAL SCHEMATICS
D-404	CLARIFIERS - EFFLUENT DETAIL	E-201	EQ BASIN & FLOW CONTROL VALVE ELECTRICAL PLANS
D-411	RAS WAS PUMP STATION - PLAN	E-202	EQ BASIN & FLOW CONTROL VALVE ELECTRICAL SCHEMATIC
D-412	RAS WAS PUMP STATION - SECTIONS	E-301	AERATION BASIN ELECTRICAL PLAN
D-501	TERTIARY FILTERS - LOWER PLAN & ENLARGED PLAN	E-302	AERATION BASIN ELECTRICAL SCHEMATIC
D-502	TERTIARY FILTERS - UPPER PLAN & ROOF PLAN	E-401	CLARIFIERS ELECTRICAL PLAN
D-503	TERTIARY FILTERS - SECTIONS	E-402	CLARIFIERS ELECTRICAL SCHEMATIC
D-504	TERTIARY FILTERS - SECTIONS	E-403	RAS/WAS PUMP STATION ELECTRICAL PLAN
D-601	ULTRAVIOLET DISINFECTION - PLANS & SECTIONS	E-404	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC
D-611	PLANT REUSE WATER PUMP STATION AND POST AERATION - LOWER PLAN	E-405	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC
D-612	PLANT REUSE WATER PUMP STATION AND POST AERATION - UPPER PLAN	E-501	FILTERS ELECTRICAL BOTTOM PLAN
D-613	PLANT REUSE WATER PUMP STATION AND POST AERATION - PIPING DETAIL PLAN	E-502	FILTERS ELECTRICAL TOP PLAN
D-614	PLANT REUSE WATER PUMP STATION AND POST AERATION - SECTIONS	E-503	FILTERS ELECTRICAL SCHEMATIC
D-615	PLANT REUSE WATER PUMP STATION AND POST AERATION - SECTIONS	E-601	UV DISINFECTION ELECTRICAL PLAN
D-701	AEROBIC DIGESTER - PLAN & SECTION	E-602	UV DISINFECTION ELECTRICAL SCHEMATICS
D-702	AEROBIC DIGESTER - UPPER PLAN & SECTION	E-603	UV DISINFECTION ELECTRICAL SCHEMATICS
D-703	AEROBIC DIGESTER - PIPING PLAN & SECTION	E-604	PLANT REUSE PS & POST AERATION ELECTRICAL PLAN
D-704	AEROBIC DIGESTER - SECTIONS	E-605	PLANT REUSE PS ELECTRICAL SCHEMATIC
D-711	BLOWER BUILDING - PLAN & SECTIONS	E-606	POST AERATION ELECTRICAL SCHEMATIC
D-721	DEWATERING BUILDING - PLAN	E-701	DIGESTERS ELECTRICAL PLAN
D-722	DEWATERING BUILDING - SECTIONS	E-711	BLOWER BUILDING LIGHTING PLAN
D-723	DEWATERING BUILDING - SECTIONS	E-712	BLOWER BUILDING ELECTRICAL PLAN
D-724	DEWATERING BUILDING - SECTIONS	E-713	BLOWER BUILDING ELECTRICAL SCHEMATICS
D-801	YARD DRAIN PUMP STATION - PLANS	E-721	DEWATERING BUILDING LIGHTING PLAN
D-802	YARD DRAIN PUMP STATION - SECTIONS	E-722	DEWATERING BUILDING STORAGE ROOM ELECTRICAL PLAN
D-811	CHEMICAL TANK FARM - PLAN & SECTION	E-723	DEWATERING BUILDING DEWATERING ROOM ELECTRICAL PLAN
D-812	CHEMICAL TANK FARM - SECTIONS	E-724	DEWATERING BUILDING ELECTRICAL SCHEMATIC
D-901	PROCESS PIPING PIPE PENETRATION DETAILS	E-801	YARD DRAIN PUMP STATION ELECTRICAL PLAN
D-902	PROCESS PIPE SUPPORT DETAILS	E-802	CHEMICAL TANK FARM ELECTRICAL PLAN
D-903	PROCESS PIPE SUPPORT DETAILS	E-803	CHEMICAL TANK FARM ELECTRICAL SCHEMATIC
D-904	PROCESS PIPE STRUCTURAL ATTACHMENTS DETAILS (1 OF 2)	E-901	ADMIN BUILDING LIGHTING PLAN
D-905	PROCESS PIPE STRUCTURAL ATTACHMENTS DETAILS (2 OF 2)	E-902	ADMIN BUILDING ELECTRICLA PLAN
D-906	PROCESS DETAILS (1 OF 2)	E-903	ADMIN BUILDING ELECTRICAL SCHEMATIC
D-907	PROCESS DETAILS (2 OF 2)		
D-911	GATE SCHEDULE & DETAILS ATTACHMENTS		
D-921	VALVE SCHEDULE		
D-922	VALVE SCHEDULE		
ELECTRICAL			
SHT #	SHEET TITLE		
E-001	ELECTRICAL NOTES & ABBREVIATIONS		
E-002	ELECTRICAL SYMBOLS		
E-003	ELECTRICAL DETAILS		
E-004	ELECTRICAL DETAILS		
E-005	ELECTRICAL DETAILS		
E-006	ELECTRICAL DETAILS		
E-007	POWER RISER DIAGRAMS		
E-008	INFLUENT PUMP STATION SINGLE LINE DIAGRAM		
E-009	TREATMENT PLANT SINGLE LINE DIAGRAM		
E-010	TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.)		
E-011	OVERALL ELECTRICAL SITE PLAN		
E-012	INFLUENT PUMP STATION ELECTRICAL SITE PLAN		
E-013	TREATMENT PLANT ELECTRICAL SITE PLAN		
E-014	ELECTRICAL DUCT BANK SCHEDULE		
E-015	ELECTRICAL ELEVATIONS		
E-016	ELECTRICAL PANEL SCHEDULES		
E-017	ELECTRICAL PANEL SCHEDULES		
E-101	INFLUENT PUMP STATION ELECTRICAL PLAN		
E-102	INFLUENT PUMP STATION ELECTRICAL SCHEMATICS		
E-111	DRUM SCREEN UPPER ELECTRICAL PLAN		
E-112	DRUM SCREEN LOWER ELECTRICAL PLAN		
E-113	GRIT REMOVAL ELECTRICAL PLAN		

ISSUE	DATE
30% Submittal	05.30.2024
60% Submittal	08.29.2024
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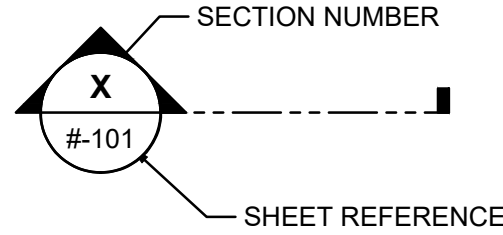
Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

GRAPHICS LEGEND

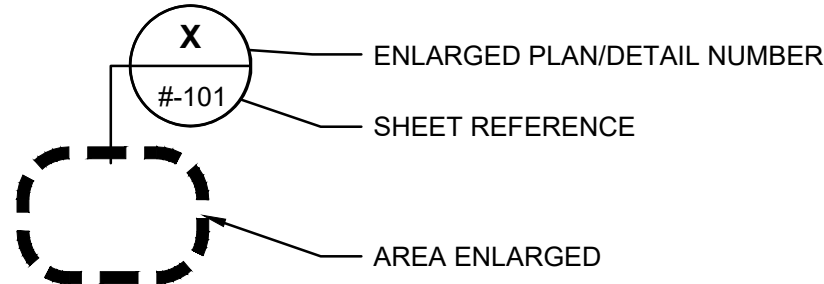
ELEVATION INDICATOR



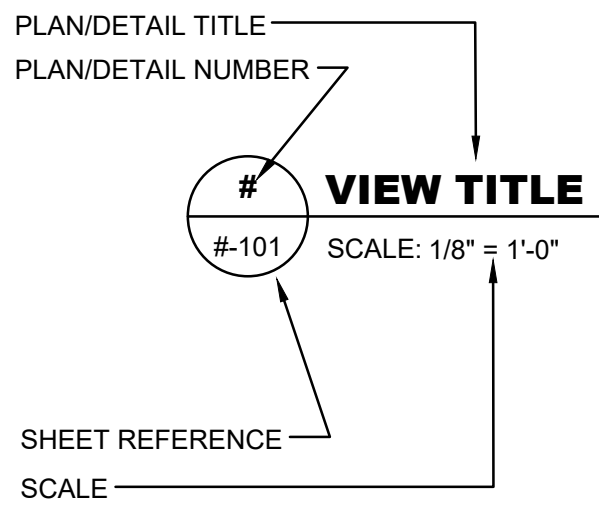
SECTION INDICATOR



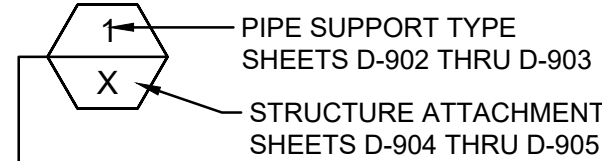
ENLARGED PLAN/DETAIL INDICATOR



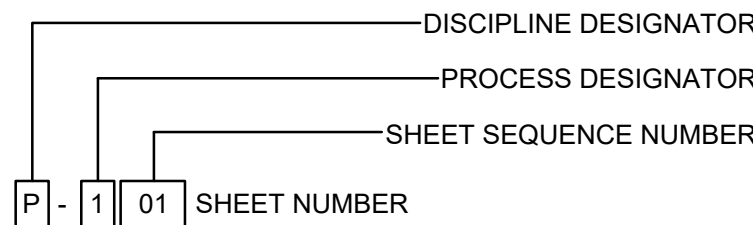
DRAWING TITLE



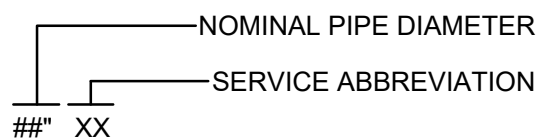
PIPE SUPPORT INDICATOR



SHEET NUMBERING



PIPE LINE IDENTIFICATION



PROCESS DESIGNATORS

PROCESS SHEETS (WASTEWATER)	DESIGNATOR
NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0
PRELIMINARY TREATMENT	1
PRIMARY TREATMENT	2
BIOLOGICAL TREATMENT	3
SECONDARY TREATMENT	4
TERTIARY TREATMENT	5
DISINFECTION AND EFFLUENT PUMPING	6
SLUDGE STORAGE AND PROCESSING	7
MISCELLANEOUS SYSTEMS	8
DETAILS / SCHEDULES	9

CIVIL DESIGNATORS

CIVIL	DESIGNATOR
NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0
SITE PLAN AND GEOMETRIC CONTROLS	1
GRADING AND DRAINAGE	2
UTILITIES/YARD PIPING	3
ROAD PLAN AND PROFILES (IF REQUIRED)	4
ROAD CROSS SECTIONS (IF REQUIRED)	5
SEDIMENT AND EROSION CONTROL	6
RESERVED	7
RESERVED	8
DETAILS / SCHEDULES	9

OWNER

DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
CITY MANAGER	MATTHEW HAILEY	706.423.5125	MHAILEY@COMMERCEGA.GOV
WWTP SUPERINTENDENT	TAD EDMONSON	770.374.3288	TEDMONSON@COMMERCEGA.GOV

CONTRACTOR

DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER	TBD		
SUPERINTENDENT	TBD		

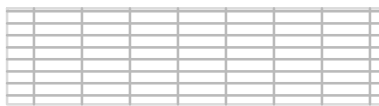
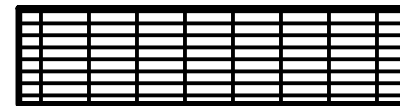
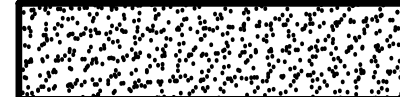
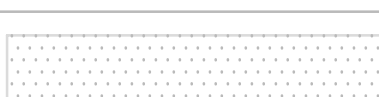
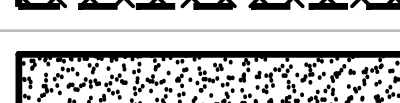
ENGINEER

DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
PROJECT MANAGER	CHARLES WELCH	770.952.2481 EXT. 103	CHARLES.WELCH@GMCNETWORK.COM
ENGINEER	GRAHAM SIZEMORE, PE	770.952.2481 EXT. 143	GRAHAM.SIZEMORE@GMCNETWORK.COM
INSPECTOR	TONY VAN DE RYT	770.952.2481 EXT. 110	TONY.VANDERYT@GMCNETWORK.COM

PIPE SYMBOLS

DESCRIPTION	SINGLE LINE	DOUBLE LINE
EXISTING BURIED PIPE		
EXISTING ABOVE GRADE PIPE		
NEW BURIED PIPE		
NEW ABOVE GRADE PIPE		
WELDED JOINT		
FLANGED JOINT		
FLANGED ADAPTOR		
FLANGED COUPLING		
MECHANICAL JOINT		
JOINT		
EXPANSION JOINT		

HATCHING LEGEND

DESCRIPTION	EXISTING	PROPOSED
ASPHALT PAVING (PLAN)		
ALUMINUM GRATING		
CONCRETE (ELEVATION)		
CONCRETE (PLAN)		
CONCRETE (SECTION)		
CRUSHED STONE (SECTION)		
EARTH OR BACKFILL (SECTION)		
GRAVEL DRIVE (PLAN)		
GROUT FILL (PLAN & SECTION)		
LAKE, RIVER OR POND (PLAN)		
REMOVAL OR DEMOLITION (PLAN & SECTION)		
UNPAVED DRIVE (PLAN)		

DISCIPLINE DESIGNATORS

DISCIPLINE	DESIGNATOR
GENERAL	G
HAZARDOUS MATERIALS	H
INSTRUMENTATION	I
DEMOLITION	X
SURVEY/MAPPING	V
GEOTECHNICAL	B
CIVIL	C
LANDSCAPE	L
STRUCTURAL	S
ARCHITECTURAL	A
FIRE PROTECTION	F
MECHANICAL	M
PLUMBING	P
PROCESS	D
ELECTRICAL	E

GENERAL NOTES

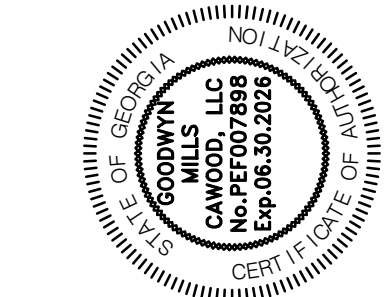
1. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.
2. THE CONTRACTOR IS REQUIRED TO MAINTAIN AN AS-BUILT SET OF DRAWINGS THROUGHOUT PROJECT CONSTRUCTION. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED ELECTRICAL, STRUCTURAL ENTITIES, LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES.
3. ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE, LOCATION, AND DEPTH OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED BY CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER PER SPECIFICATION 1030.
5. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE CIVIL DRAWINGS AND THE ARCHITECTURAL/STRUCTURAL DRAWINGS, THE ARCHITECTURAL/STRUCTURAL DRAWINGS SHALL HAVE PRECEDENCE. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY CONFLICT IN THE PLANS/SPECS FOR CLARIFICATION PRIOR TO BID. SHOULD CONFLICTING DOCUMENTS NOT BE CLARIFIED AT THE REQUEST OF THE BIDDING CONTRACTOR, THE MORE COSTLY ALTERNATIVE AS IDENTIFIED IN THE PLAN & SPECS SHALL BE INCLUDED IN THE PRICE BID.
6. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN ACCORDANCE WITH "SPILL PREVENTION, CONTROL & COUNTERMEASURE" REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH STATE & FEDERAL AGENCY REGULATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS & WATERS OF THE STATE.

GENERAL NOTES, LEGENDS, & SYMBOLS

G-005

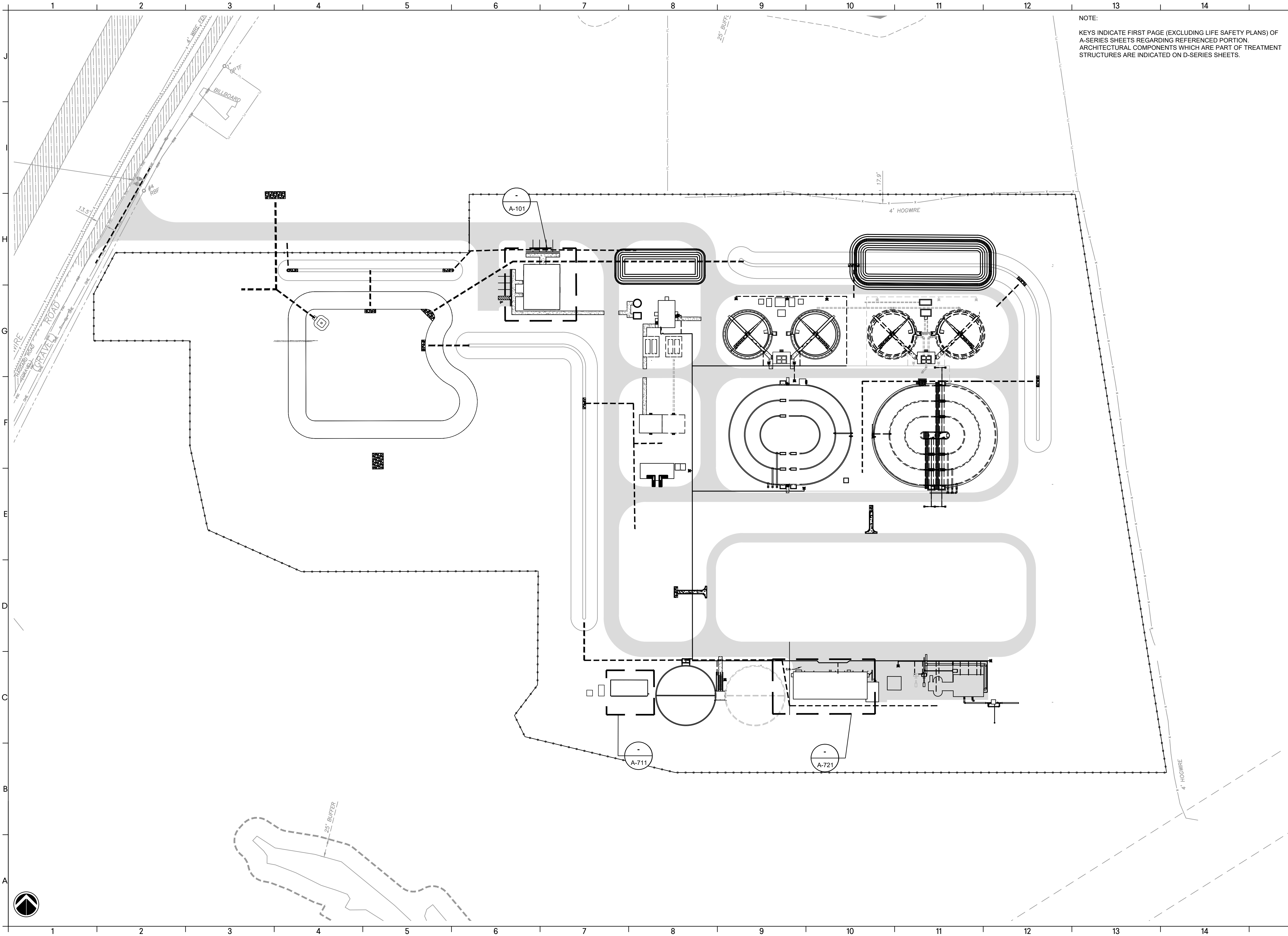
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BROVE CREEK WPCP
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CATL230033



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The ONG logo is positioned in the bottom right corner of the page. It consists of the letters 'ONG' in a bold, black, sans-serif font. The 'O' and 'G' are stylized with a slight gap at the top and bottom, respectively.



NOTE:
KEYS INDICATE FIRST PAGE (EXCLUDING LIFE SAFETY PLANS) OF
A-SERIES SHEETS REGARDING REFERENCED PORTION.
ARCHITECTURAL COMPONENTS WHICH ARE PART OF TREATMENT
STRUCTURES ARE INDICATED ON D-SERIES SHEETS.

ARCHITECTURAL KEY
PLAN

A-001

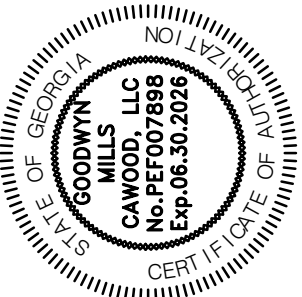
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Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	



GMC

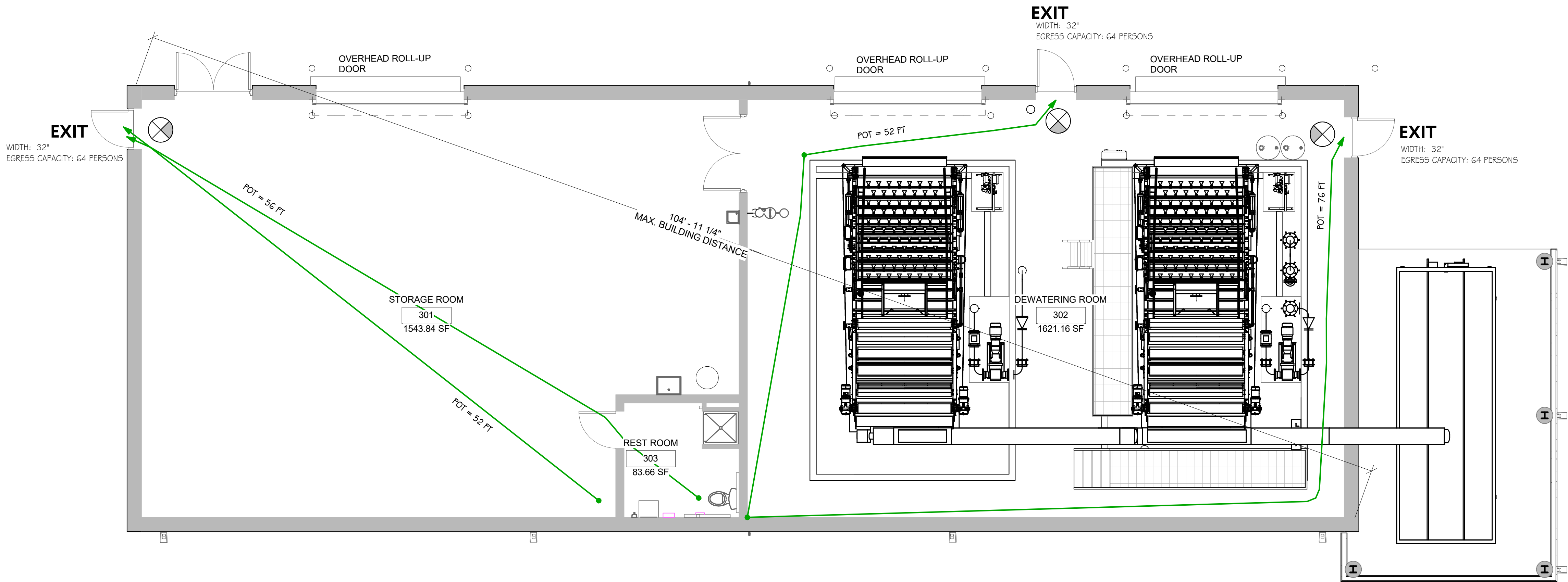
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A-723

DEWATERING BUILDING LIFE SAFETY
PLAN

SCALE: 3/16" = 1'-0"



MEANS OF EGRESS			2018 NFPA 101 LS CODE
MAXIMUM ALLOWABLE		NFPA	
TRAVEL DISTANCE TO AN EXIT: NFPA 101 TBL. 7.6	SPRINKLERED	250 FT	
	NON-SPRINKLERED	200 FT	
COMMON PATH OF TRAVEL: NFPA 101 TBL. 7.6	SPRINKLERED	100 FT	
	NON-SPRINKLERED	50 FT	
DEAD END LENGTH: NFPA 101 TBL. 7.6	SPRINKLERED	50 FT	
	NON-SPRINKLERED	20 FT	
EGRESS OCCUPANTS (DESIGN LOAD)		SEE LIFE SAFETY PLAN	
LEVEL COMPONENTS	NFPA 101 7.2.1.2	32" MIN. DOOR CLEAR WIDTH	
EXIT ACCESS CORRIDOR		44" MIN.	

OCCUPANCY CLASSIFICATION			IBC CH. 3
OCCUPANCY	NFPA 101		IBC
	PRIMARY:	CH. 42 STORAGE (OTHER THAN MERCANTILE OR STORAGE)	
SECONDARY:		CH. 42 STORAGE	STORAGE
BUILDING S.F. / OCC. S.F. PER PERSON = OCC. LOAD 1,622 S.F./ 500 S.F. PER PERSON = 4 OCC. 1,544 S.F./ 200 S.F. PER PERSON = 8 OCC.			OCCUPANCY TOTAL: 12 OCC.

CONSTRUCTION CLASSIFICATION			IBC CH. 5
CONSTRUCTION TYPE	IBC		NFPA 220
	TYPE IIB NON-SPRINKLERED	TYPE II(000)B NON-SPRINKLERED	

TOTAL PROJECT AREA 3,248 GSF

OCCUPANT LOAD CALCULATIONS

THE OCCUPANCY AND USE OF THE OUTBUILDING IS THAT IT IS NOT INTENDED TO BE OCCUPIED ON A PERMANENT BASIS. THE MAXIMUM OCCUPANT LOAD OF THE BUILDING IS CALCULATED TO BE 12 PERSONS, BASED ON AGGREGATE AREA OF THE BUILDING LESS THE SPACE OCCUPIED BY THE WATER TREATMENT EQUIPMENT.

IT IS NOT PROPOSED TO PROVIDE A BARRIER-FREE ACCESS AS THE BUILDING DOES NOT CONTAIN AN OFFICE SPACE OR BE ACCESSIBLE TO PUBLIC, AND WILL PRIMARILY BE USED BY STAFF TO PERIODICALLY REVIEW EQUIPMENT GAUGES, WATER SAMPLINGS AND MAINTAIN THE EQUIPMENT WITHIN THE BUILDING.

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Designer:	GS
Drawn By:	

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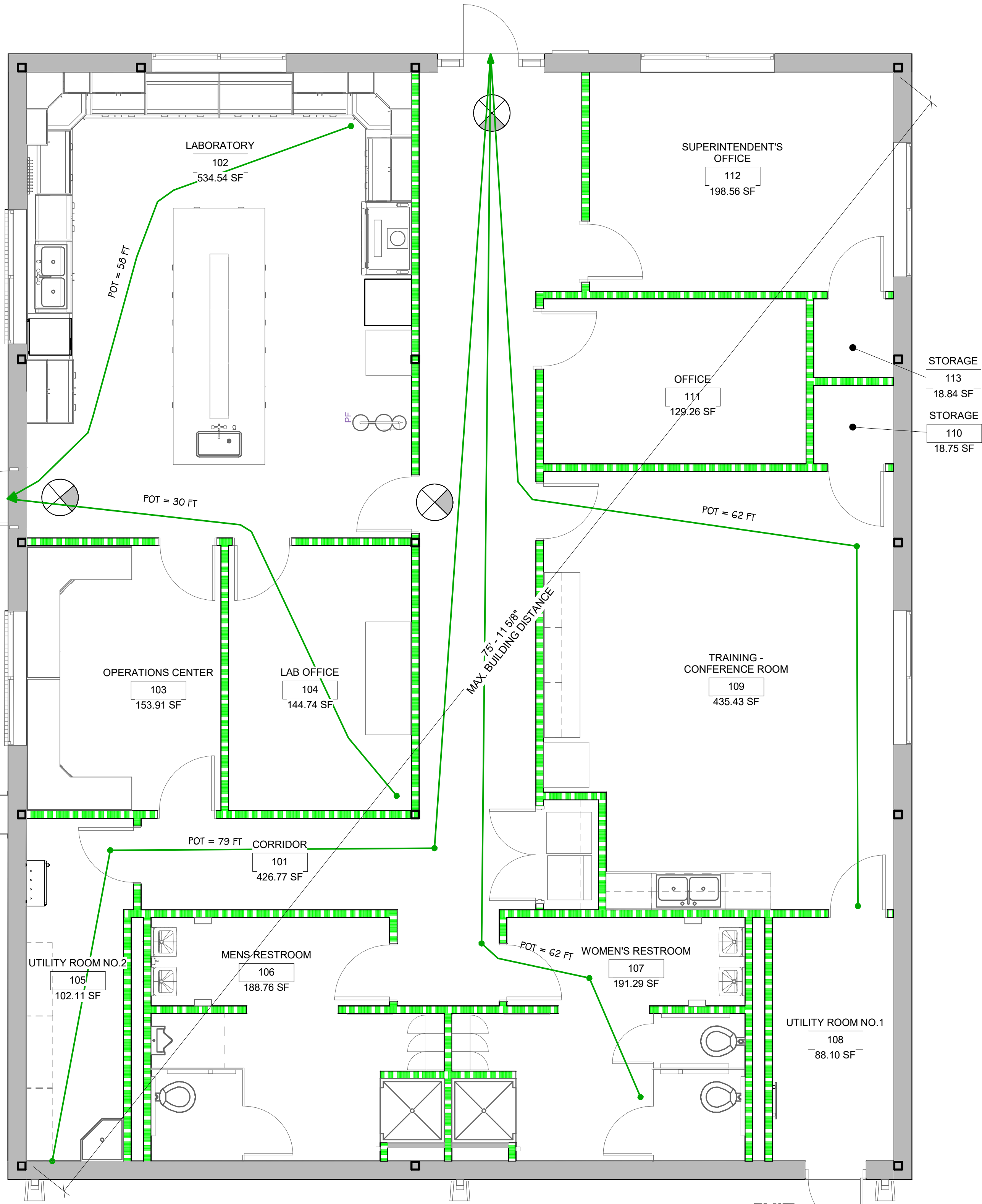
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DEWATERING LIFE
SAFETY PLAN

A-002

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1 Life Safety Plan
A-105 SCALE: 1/4" = 1'-0"

OCCUPANCY CLASSIFICATION			IBC CH. 3
OCCUPANCY	NFPA 101		IBC
	PRIMARY:	CH. 38 BUSINESS OCCUPANCY	GROUP: BUSINESS
	ANCILLARY:	CH. 42 STORAGE OCCUPANCY	GROUP: UTILITY
BUILDING S.F. / OCC. S.F. PER PERSON = OCC. LOAD			TOTAL OCCUPANCY: 34 OCC.
BUSINESS 2,753 S.F./ 150 S.F. PER PERSON = 19 OCC.			
BUSINESS 395 S.F./ 30 S.F. PER PERSON = 14 OCC.; CONC. < 450 S.F.			
STORAGE 229 S.F./ 200 S.F. PER PERSON = 1 OCC.			
CONSTRUCTION CLASSIFICATION			IBC CH. 5
CONSTRUCTION TYPE	IBC	NFPA 220	
	TYPE IIB NON-SPRINKLERED	TYPE II(000)B NON-SPRINKLERED	
TOTAL PROJECT AREA			4,239 GSF
<u>OCCUPANT LOAD CALCULATIONS</u>			
THE OCCUPANCY AND USE OF THIS BUILDING IS AS AN ADMINISTRATION BUILDING WITH A LABORATORY FOR RESEARCH AND TESTING. THIS IS PRIMARILY A BUSINESS OCCUPANCY. THE TRAINING/CONFERENCE ROOM IS AN ASSEMBLY OCCUPANCY. STORAGE IS AN ANCILLARY PART.			

MEANS OF EGRESS			2018 NFPA 101 LS CODE
MAXIMUM ALLOWABLE		NFPA	
TRAVEL DISTANCE TO AN EXIT: NFPA 101 TBL. 7.6	SPRINKLERED	250 FT	
	NON-SPRINKLERED	200 FT	
COMMON PATH OF TRAVEL: NFPA 101 TBL. 7.6	SPRINKLERED	100 FT	
	NON-SPRINKLERED	50 FT	
DEAD END LENGTH: NFPA 101 TBL. 7.6	SPRINKLERED	50 FT	
	NON-SPRINKLERED	20 FT	
EGRESS OCCUPANTS (DESIGN LOAD)		SEE LIFE SAFETY PLAN	
LEVEL COMPONENTS	NFPA 101 7.2.1.2	32" MIN. DOOR CLEAR WIDTH	
EXIT ACCESS CORRIDOR		44" MIN.	

ADMINISTRATION & LAB BUILDING LIFE SAFETY PLAN

A-003

COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA

CATL230033

STATE OF GEORGIA
MARK VIDEKOVICH
REGISTERED ARCHITECT
03/19/2025

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08.29.2024
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Engineer:
Designer:
Drawn By:

CW
GS
GS

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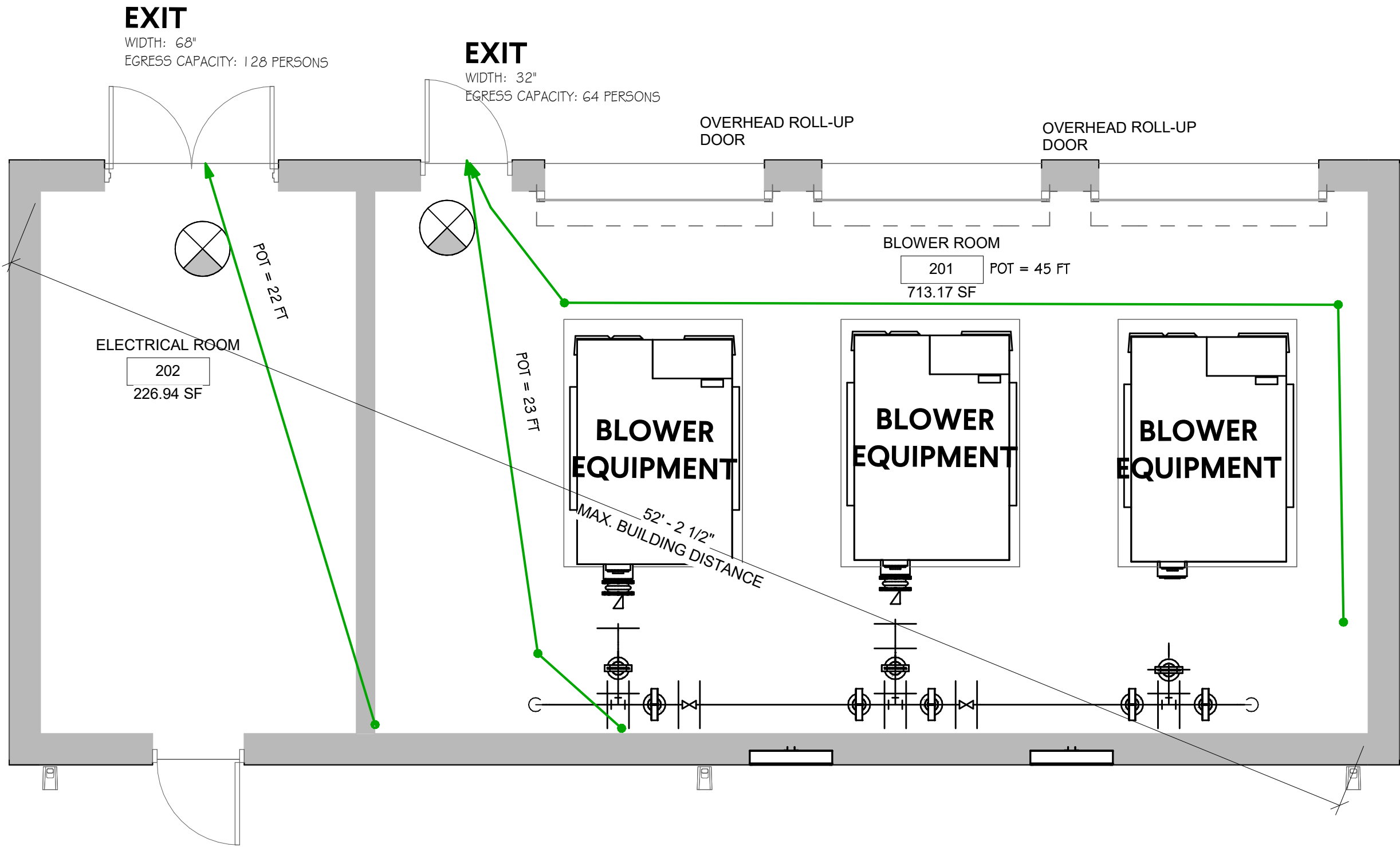
STATE OF GEORGIA
GOODWYN MILLS
CRAWOOD, LLC
No. PF007898
Exp. 06.30.2025
CERTIFICATE OF ADOPTION
1" = 5' 0" 1"

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A-712

BLOWER BUILDING - LIFE SAFETY PLAN

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



MEANS OF EGRESS			2018 NFPA 101 L5 CODE
MAXIMUM ALLOWABLE		NFPA	
TRAVEL DISTANCE TO AN EXIT: NFPA 101 TBL. 7.6	SPRINKLERED	250 FT	
	NON-SPRINKLERED	200 FT	
COMMON PATH OF TRAVEL: NFPA 101 TBL. 7.6	SPRINKLERED	100 FT	
	NON-SPRINKLERED	50 FT	
DEAD END LENGTH: NFPA 101 TBL. 7.6	SPRINKLERED	50 FT	
	NON-SPRINKLERED	50 FT	
EGRESS OCCUPANTS (DESIGN LOAD)		SEE LIFE SAFETY PLAN	
LEVEL COMPONENTS	NFPA 101 7.2.1.2	32" MIN. DOOR CLEAR WIDTH	
EXIT ACCESS CORRIDOR		44" MIN.	

OCCUPANCY CLASSIFICATION			IBC CH. 3
OCCUPANCY	NFPA 101		IBC
	PRIMARY:	CH. 42 STORAGE OCCUPANCY (OTHER THAN MERCANTILE OR STORAGE OCC.)	GROUP: UTILITY & MISC.

BUILDING S.F. / OCC. S.F. PER PERSON = OCC. LOAD
942 S.F. / 500 S.F. PER PERSON = 2 OCC.

CONSTRUCTION CLASSIFICATION			IBC CH. 5
CONSTRUCTION TYPE	IBC	NFPA 220	
	TYPE IIB NON-SPRINKLERED	TYPE II(000)B NON-SPRINKLERED	

TOTAL PROJECT AREA 942 GSF

OCCUPANT LOAD CALCULATIONS

THE OCCUPANCY AND USE OF THE OUTBUILDING IS THAT IT IS NOT INTENDED TO BE OCCUPIED ON A PERMANENT BASIS. THE MAXIMUM OCCUPANT LOAD OF THE BUILDING IS CALCULATED TO BE 2 PERSONS, BASED ON AGGREGATE AREA OF THE BUILDING INCLUDING THE SPACE OCCUPIED BY THE WATER TREATMENT EQUIPMENT.

IT IS NOT PROPOSED TO PROVIDE A BARRIER-FREE ACCESS AS THE BUILDING DOES NOT CONTAIN AN OFFICE SPACE OR BE ACCESSIBLE TO PUBLIC, AND WILL PRIMARILY BE USED BY STAFF TO PERIODICALLY REVIEW EQUIPMENT GAUGES, WATER SAMPLINGS AND MAINTAIN THE EQUIPMENT WITHIN THE BUILDING.

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COMMERCE, GA

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BLOWER BUILDING -
LIFE SAFETY PLAN

A-004

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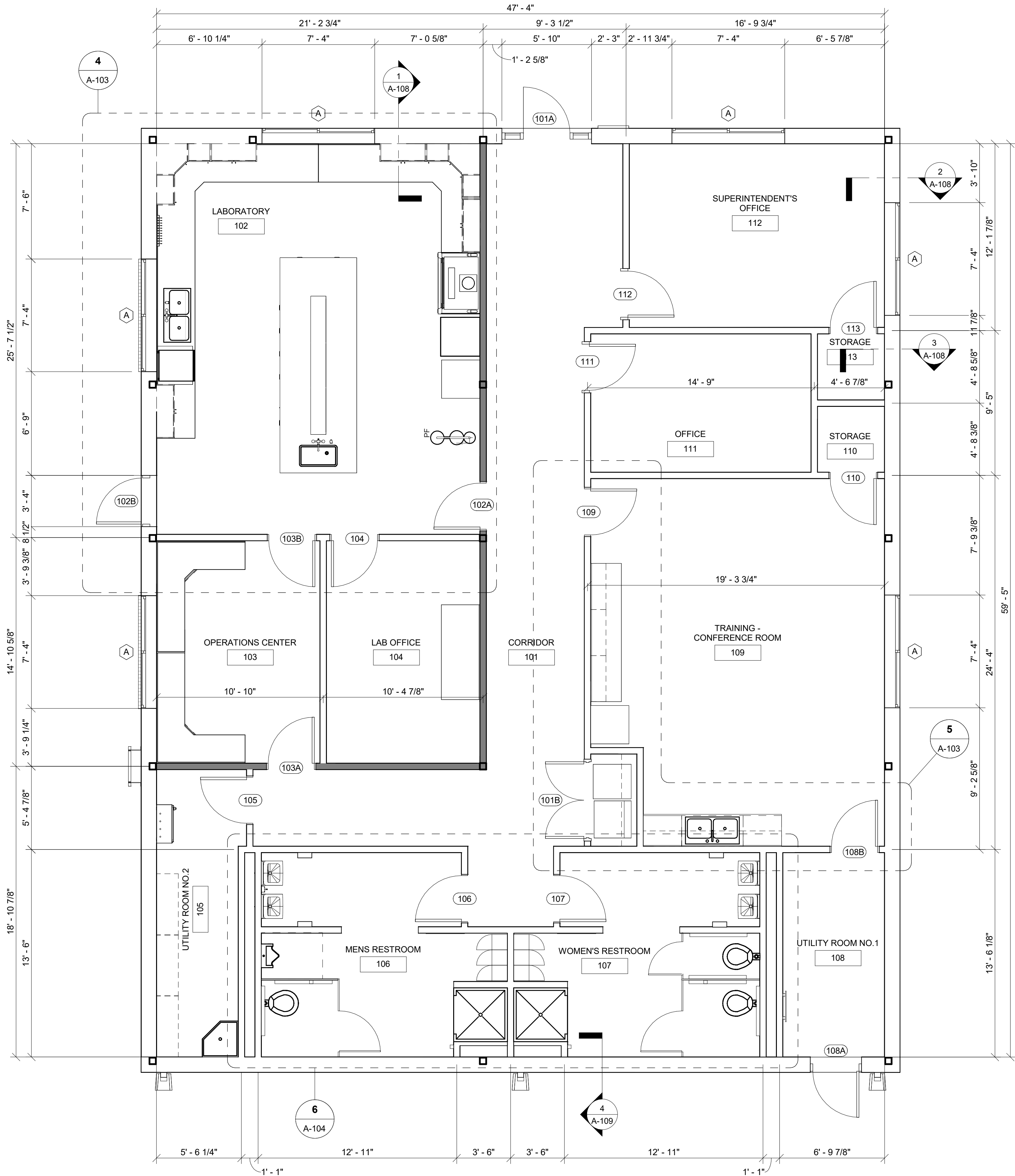
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A-105

PLAN

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



ADMINISTRATION &
LAB BUILDING FLOOR
PLAN

A-101

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COMMERCE, GA

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Designer:	GS
Drawn By:	

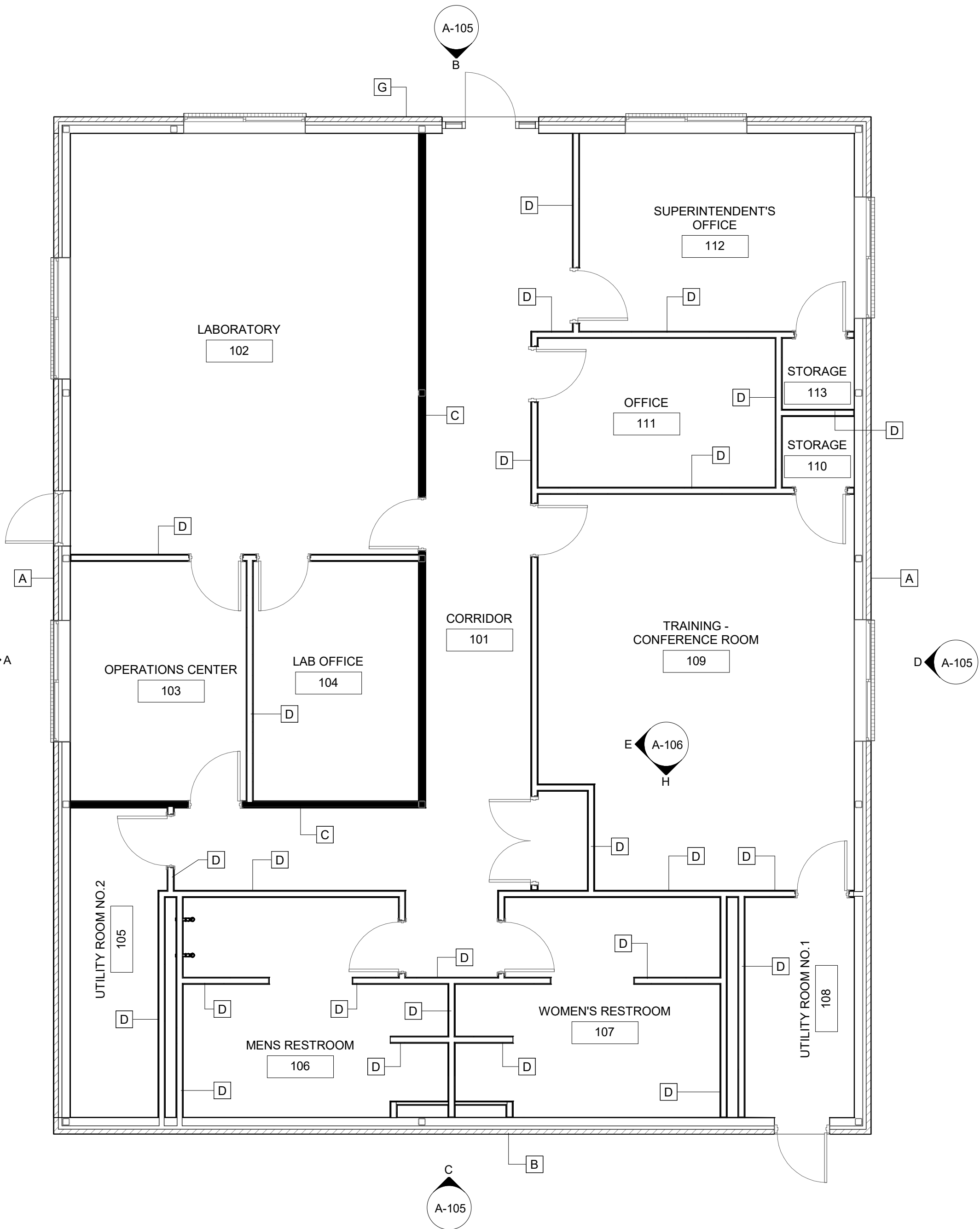


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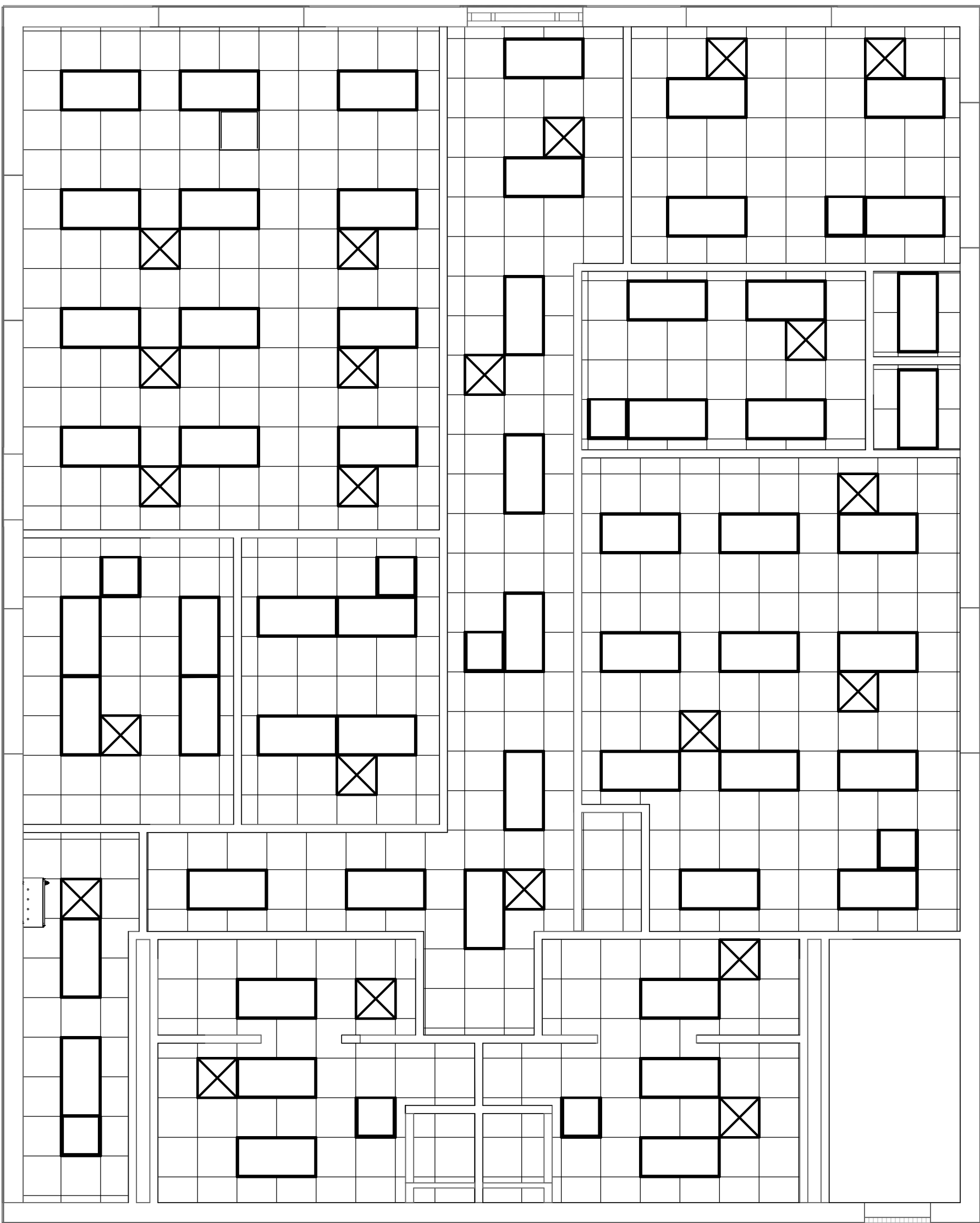
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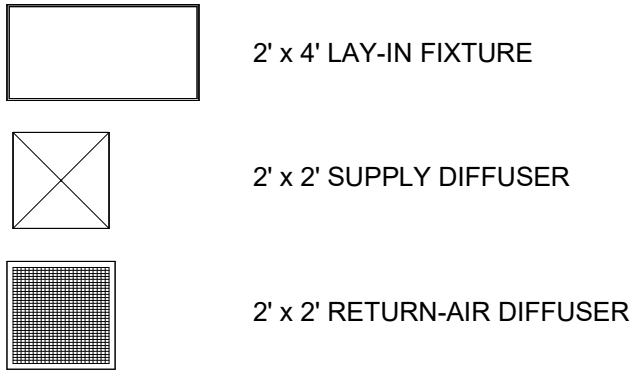
2 DETAILED PLAN
A-102 SCALE: 3/16" = 1'-0"



3 REFLECTED CEILING PLAN
A-105 SCALE: 3/16" = 1'-0"



REFLECTED CEILING LEGEND:



CEILING PLAN NOTES :
1. ALL CEILING AT 9'-6" A.F.F.

PARTITION LEGEND:

- A. 6" WALL, 18 GA. GALV. METAL STUDS, TO 16'-0" A.F.F. w/BRICK AND 1 LAYER OF 30# FELT ON 1/2" P.T. PLYWOOD SHEATHING w/R-19 BATT INSULATION BETWEEN STUDS w/1 LAYER OF 5/8" GYP. BOARD ON INTERIOR SIDE OF WALL.
- B. 6" WALL, 18 GA. GALV. METAL STUDS, TO UNDERSIDE OF ROOF STRUCTURE ABOVE w/BRICK AND 1 LAYER OF 30# FELT ON 1/2" P.T. PLYWOOD SHEATHING w/R-19 BATT INSULATION BETWEEN STUDS w/1 LAYER OF 5/8" GYP. BD. ON INTERIOR SIDE OF WALL.
- C. 5" WALL, 3 5/8" GALV. METAL STUDS, TO UNDERSIDE OF ROOF DECK ABOVE w/1 LAYER OF 5/8" TYPE 'X' GYP. BD. EACH SIDE, FULL HEIGHT. (1 HOUR RATED)
- D. 5" WALL, 3 5/8" GALV. METAL STUDS, TO 12'-0" A.F.F. w/1 LAYER OF 5/8" GYP. BD. EACH SIDE, FULL HEIGHT.
- E. 6" GALV. METAL STUDS, TO 12'-0" A.F.F. w/1 LAYER OF 5/8" GYP. BOARD EACH SIDE, FULL HEIGHT.
- F. 6" GALV. METAL STUDS, TO UNDERSIDE OF ROOF DECK ABOVE w/1 LAYER OF 5/8" GYP. BD. EACH SIDE, FULL HEIGHT. (1 HOUR RATED.)
- G. 6", 15 GA. GALV. METAL STUDS, TO 16'-0" A.F.F. w/BRICK AND 1 LAYER OF 30# FELT ON 1/2" P.T. PLYWOOD SHEATHING w/R-19 BATT INSULATION BETWEEN STUDS w/1 LAYER OF 5/8" GYP. BOARD ON INTERIOR SIDE OF WALL.

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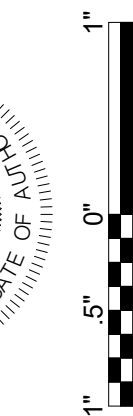
ADMINISTRATION &
LAB BUILDING -
DETAILED PLAN & RCP

A-102

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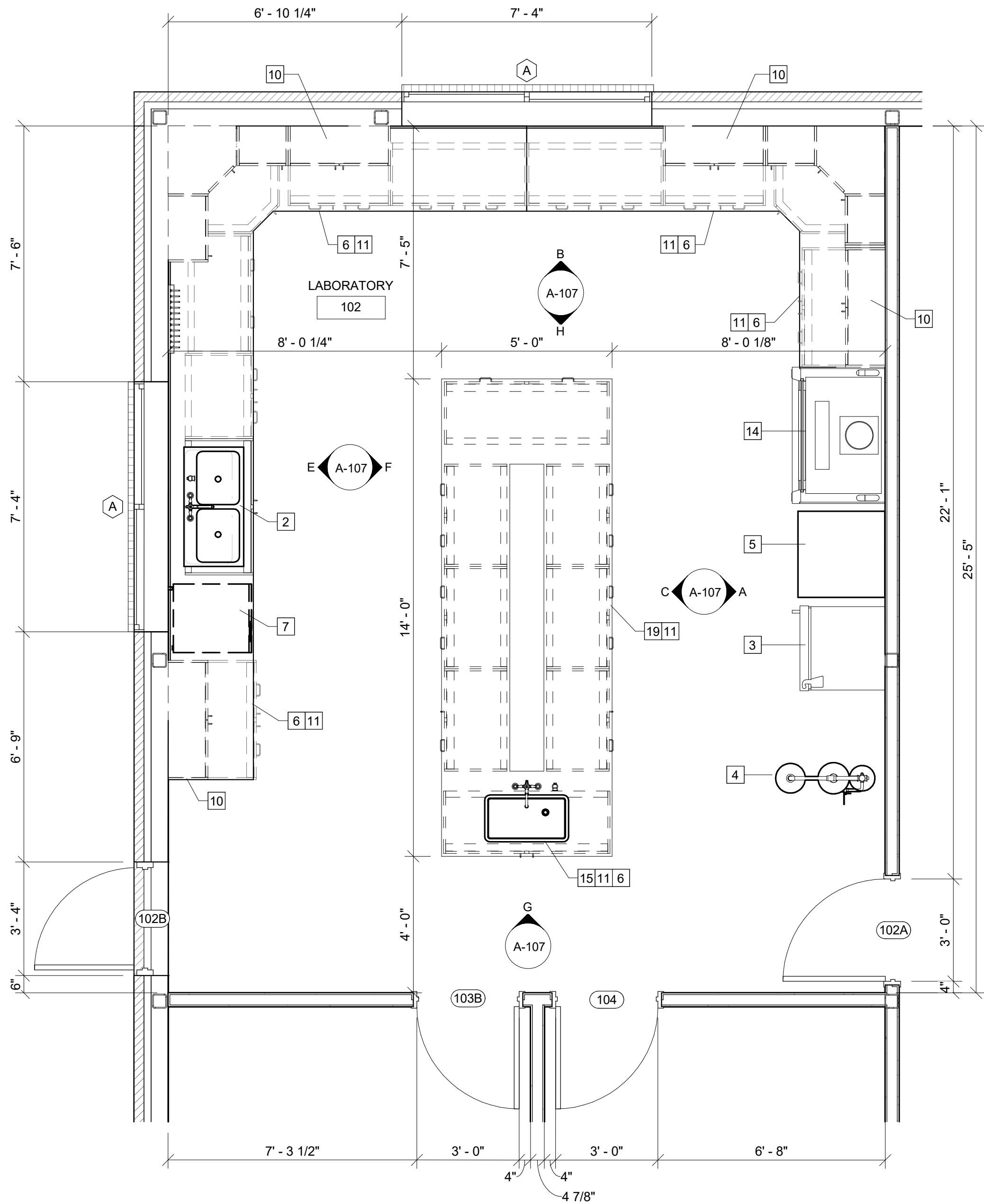
Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	



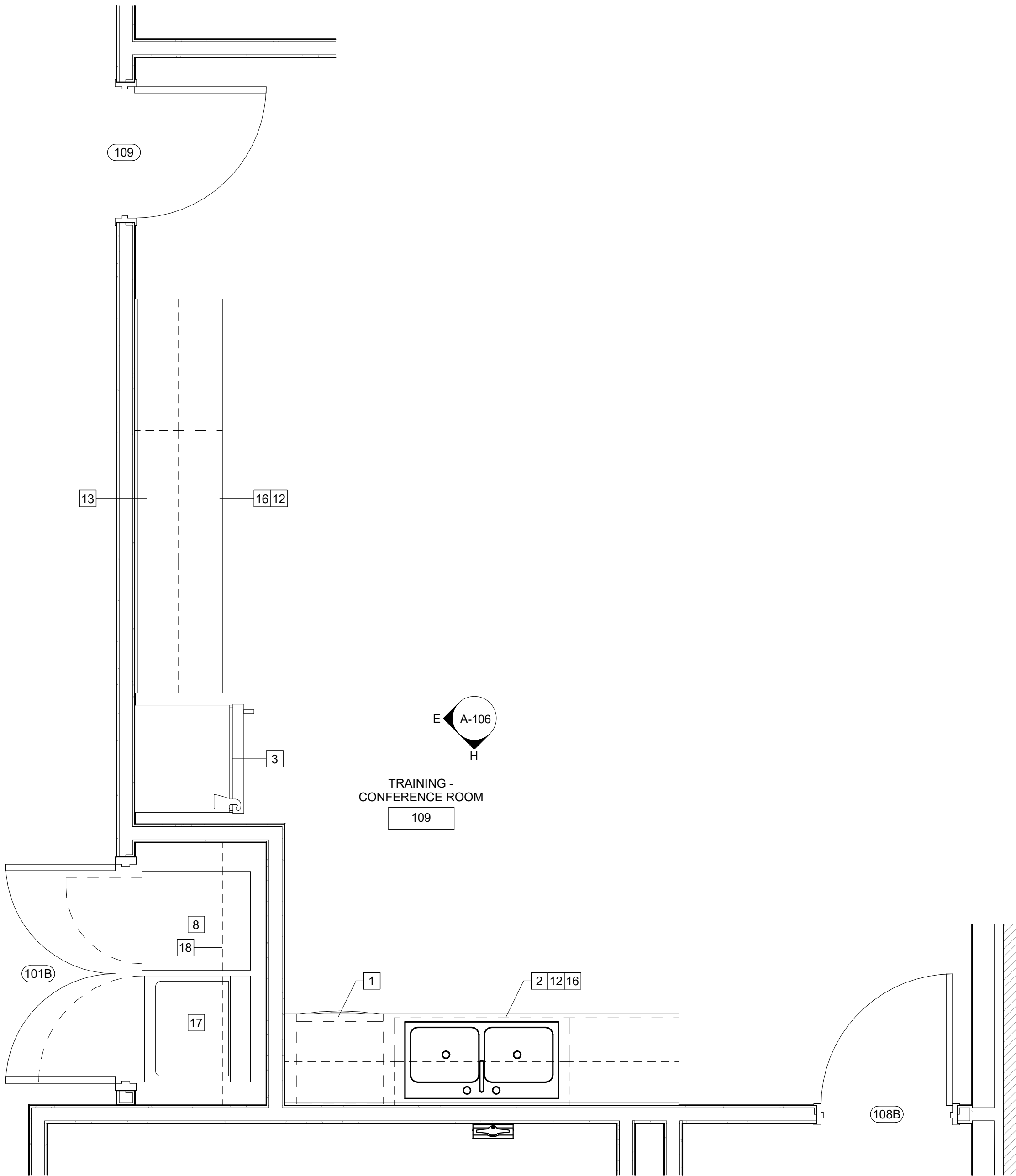
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4 PLAN
A-101 SCALE: 3/8" = 1'-0"



5 PLAN
A-101 SCALE: 1/2" = 1'-0"

NOTES:

- CABINET UNIT NUMBERS REFER TO MOTT MANUFACTURING UNLESS INDICATED OTHERWISE. SEE SPECIFICATIONS FOR APPROVED EQUALS. THESE NUMBERS ARE INTENDED AS REFERENCE ONLY FOR INDUSTRY STANDARDS AND QUALITY CASEWORKS.
- ALL PLUMBING AND ELECTRICAL FIXTURES PROVIDED BY OTHERS WITH THE FOLLOWING EXCEPTION. THE CENTER ISLAND TOMBSTONE ELECTRICAL BOXES TO BE PROVIDED BY CASEWORK MANUFACTURER.

KEY NOTES: #

- DISH WASHER
- STAINLESS STEEL DOUBLE SINK & FAUCET
- REFRIGERATOR
- ADA EMERGENCY EYE WASH & SHOWER
- FISHERBRAND™ ISOTEMP™ 400 REFRIGERATED INCUBATOR, 381 L, STAINLESS STEEL, CATALOG NO.15-103-1569 OR EQUAL.
- 3/4" THICK CELLULOSE FIBER REINFORCED PHENOLIC RESIN CORE WITH A POLYURETHANE COPOLYMER SURFACE COUNTERTOP W/ MARINE EDGE 4" HIGH X 3/4" THICK APPLIED BACK SPLASH
- UNDERCOUNTER STEAMSCRUBBER GLASSWARE WASHER MODEL #4400330 OR EQUAL
- WASHER
- CENTER BENCH SHELVING
- PRE-MANUFACTURED STEEL WALL CABINET
- PRE-MANUFACTURED STEEL BASE CABINET
- PLASTIC LAMINATE LOWER CABINET
- PLASTIC LAMINATE UPPER CABINET
- FUME HOOD
- STAINLESS STEEL SINGLE SINK & FAUCET
- PLASTIC LAMINATE COUNTER TOP
- DRYER
- 18" DEEP CLOSET SHELF WITH POLE
- 3/4" THICK CELLULOSE FIBER REINFORCED PHENOLIC RESIN CORE WITH A POLYURETHANE COPOLYMER SURFACE COUNTERTOP W/ MARINE EDGE.

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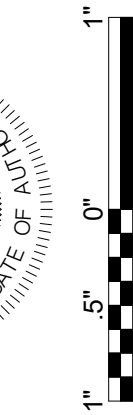
ADMINISTRATION &
LAB BUILDING -
ENLARGED FLOOR
PLAN

A-103

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Drawn By:	

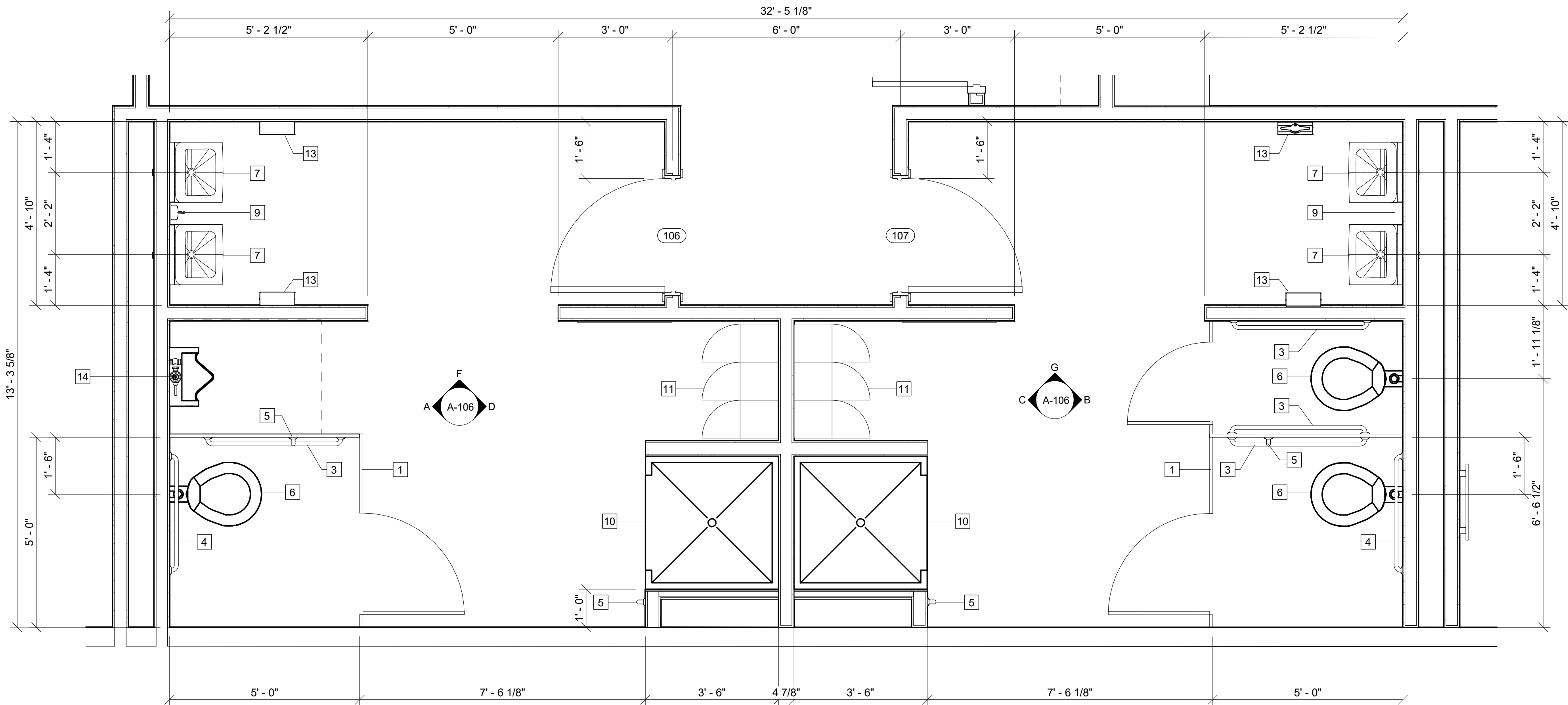


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6 PLAN
A-101 SCALE: 1/2" = 1'-0"



ACCESSIBLE ELEMENTS NOTES:

- ACCESSIBILITY STANDARDS:** CONTRACTOR MUST BE FAMILIAR W/ AND, SHALL MAINTAIN ON THE JOB SITE, A COPY OF THE CURRENT ADAAG STANDARDS AND IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.
- ADA DEVICES:** ALL DEVICES AND FIXTURES DEPICTED HEREIN AND WHERE NOTED AS "ADA" OR "ACCESSIBLE" SHALL AT MINIMUM BE INSTALLED IN STRICT ACCORDANCE W/ THE AMERICANS W/ DISABILITIES ACT AND APPLICABLE BUILDING CODES. WHERE ACCESSIBILITY REQUIREMENTS MAY VARY BY JURISDICTION, FOLLOW THE MOST STRINGENT REQUIREMENTS.
- ADA MOUNTING HEIGHTS:** ALL MOUNTING HEIGHTS SHOWN ON THIS PAGE ARE TO BE MEASURED FROM THE TOP OF FLOOR FINISH (i.e. NOT FROM SUBFLOOR). THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED FLOOR FINISH WHEN ESTABLISHING THE MOUNTING HEIGHTS OF ACCESSIBLE ITEMS.
- ADA PLAN DIMENSIONS:** ALL PLAN DIMENSIONS SHALL BE MEASURED FROM THE FINISH FACE OF SCHEDULED WALL FINISH. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED WALL FINISH e.g., WALL TILE, WHEN ESTABLISHING PLAN DIMENSIONS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.
- PLUMBING ELEMENTS AND FIXTURES:** SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED LOCATIONS AND MOUNTING HEIGHT OF PLUMBING ELEMENTS AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS AND/OR CLEARANCES INDICATED HEREIN AND THE REQUIREMENTS OF THE PLUMBING ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.
- ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

GENERAL NOTES:

- ALL APPLIANCES TO BE CFCI (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED).

KEY NOTES: #

- ADA ACCESSIBLE TOILET STALL
- TOILET PAPER DISPENSER
- 42" GRAB BAR
- 36" GRAB BAR
- 18" GRAB BAR
- TOILET
- WALL HUNG LAVATORY
- MIRROR
- SOAP DISPENSER
- ADA 3' SQUARE WALK IN SHOWER
- LOCKER
- TOILET PAPER DISPENSER
- PAPER TOWEL DISPENSER
- WALL HUNG URINAL

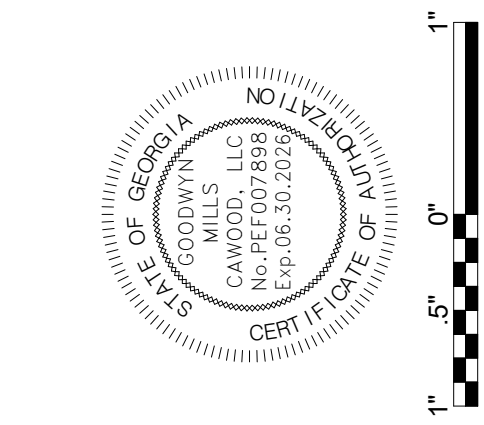
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ADMINISTRATION &
LAB BUILDING -
ENLARGED FLOOR
PLAN

A-104



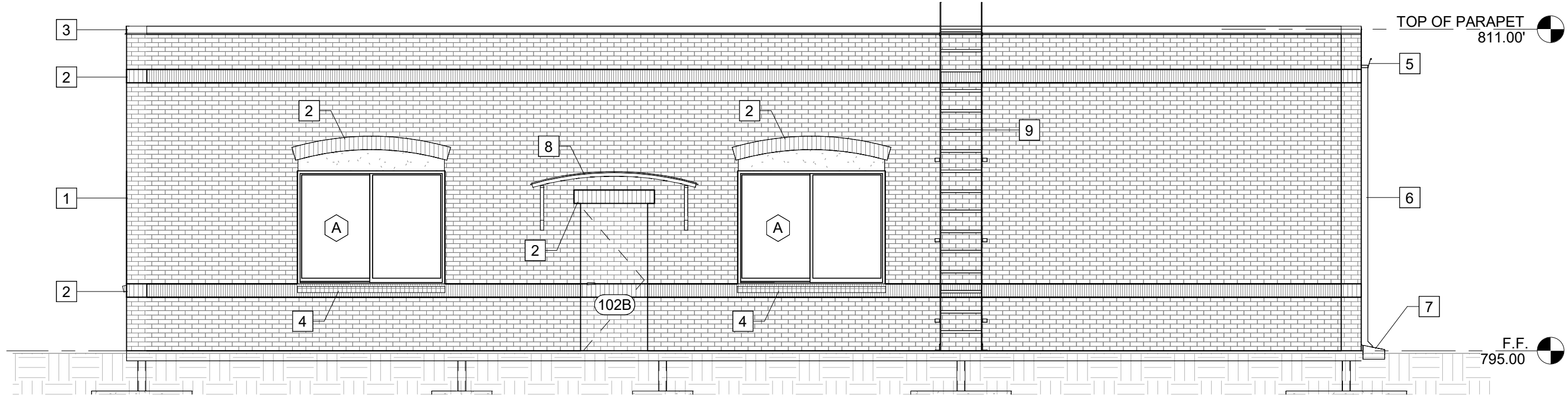
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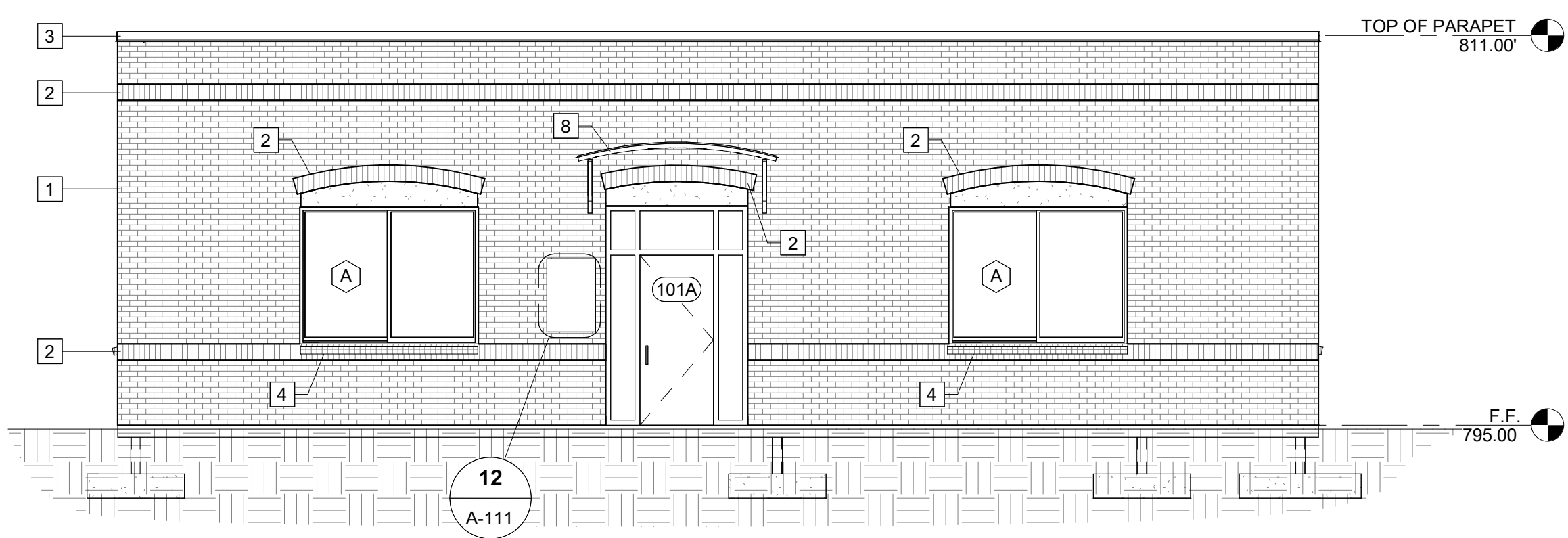
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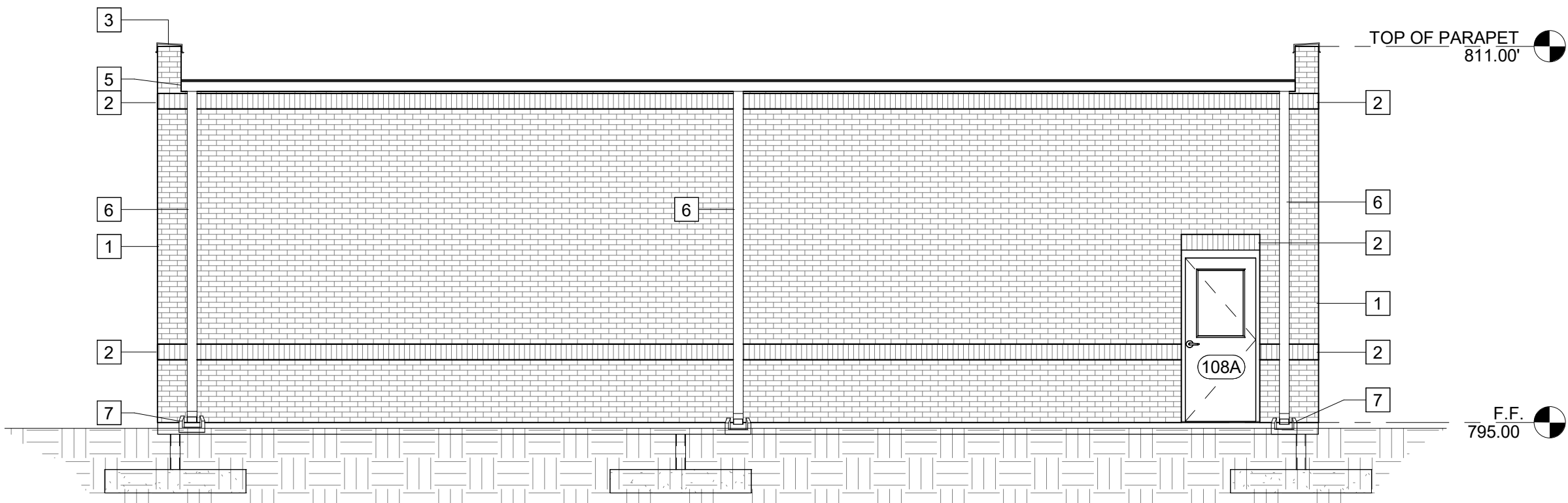
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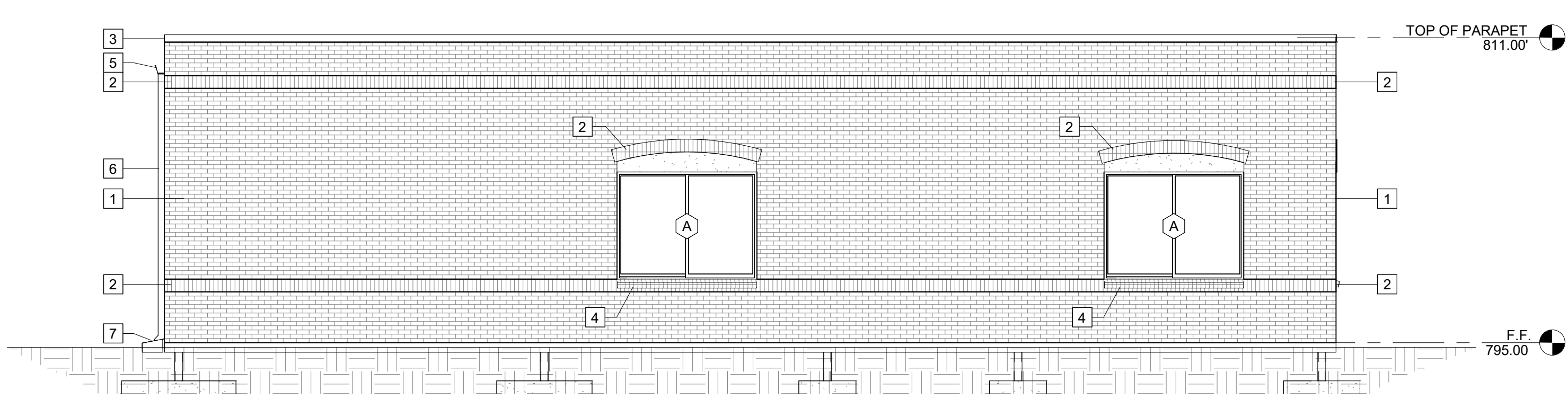
A WEST ELEVATION
A-102 SCALE: 3/16" = 1'-0"



B NORTH ELEVATION
A-102 SCALE: 3/16" = 1'-0"



C SOUTH ELEVATION
A-102 SCALE: 3/16" = 1'-0"



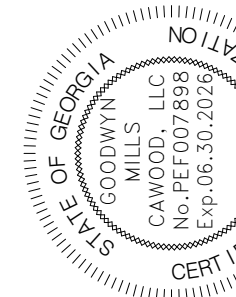
D EAST ELEVATION
A-102 SCALE: 3/16" = 1'-0"

KEY NOTES: #

1. BRICK VENEER
2. SOLDIER COURSE BAND
3. METAL COPING
4. ROWLOCK SILL
5. METAL GUTTER
6. METAL DOWNSPOUT
7. SPLASH BLOCK
8. AWNING
9. WALL LADDER

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Bid Set	03.19.2025

Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	

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COMMERCE, GA

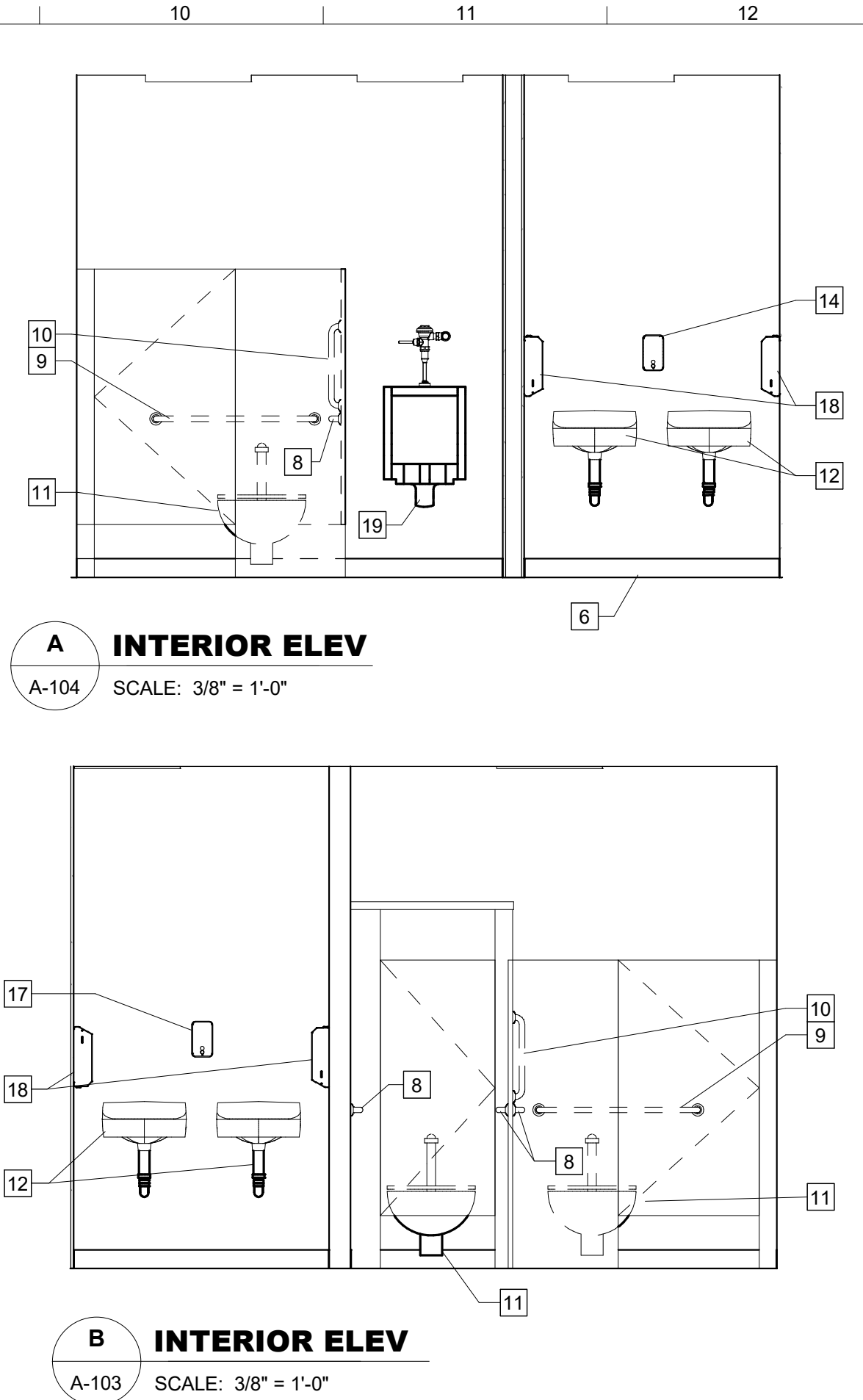
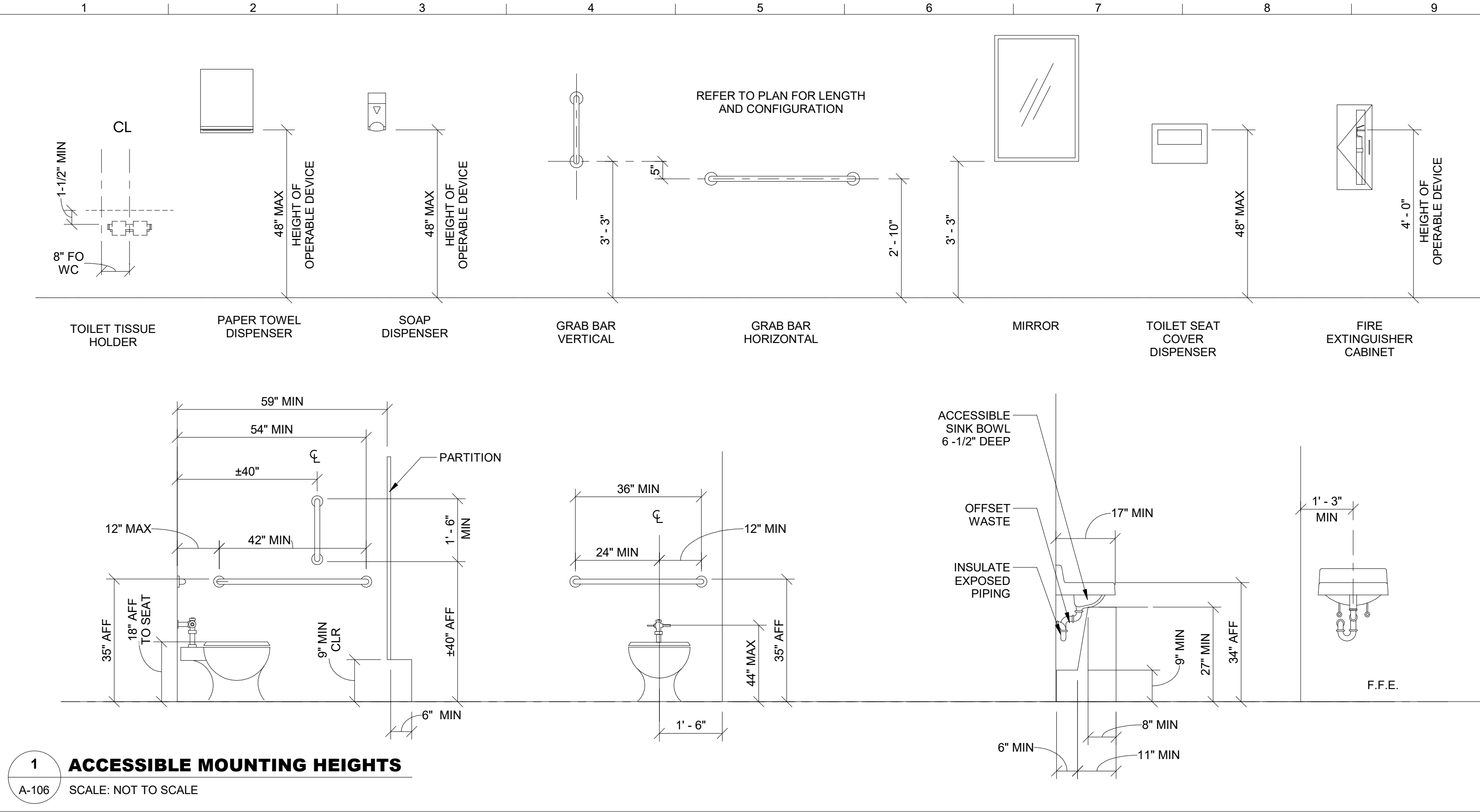
CATL230033



ADMINISTRATION &
LAB BUILDING
EXTERIOR
ELEVATIONS

A-105

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ACCESSIBLE ELEMENTS NOTES:

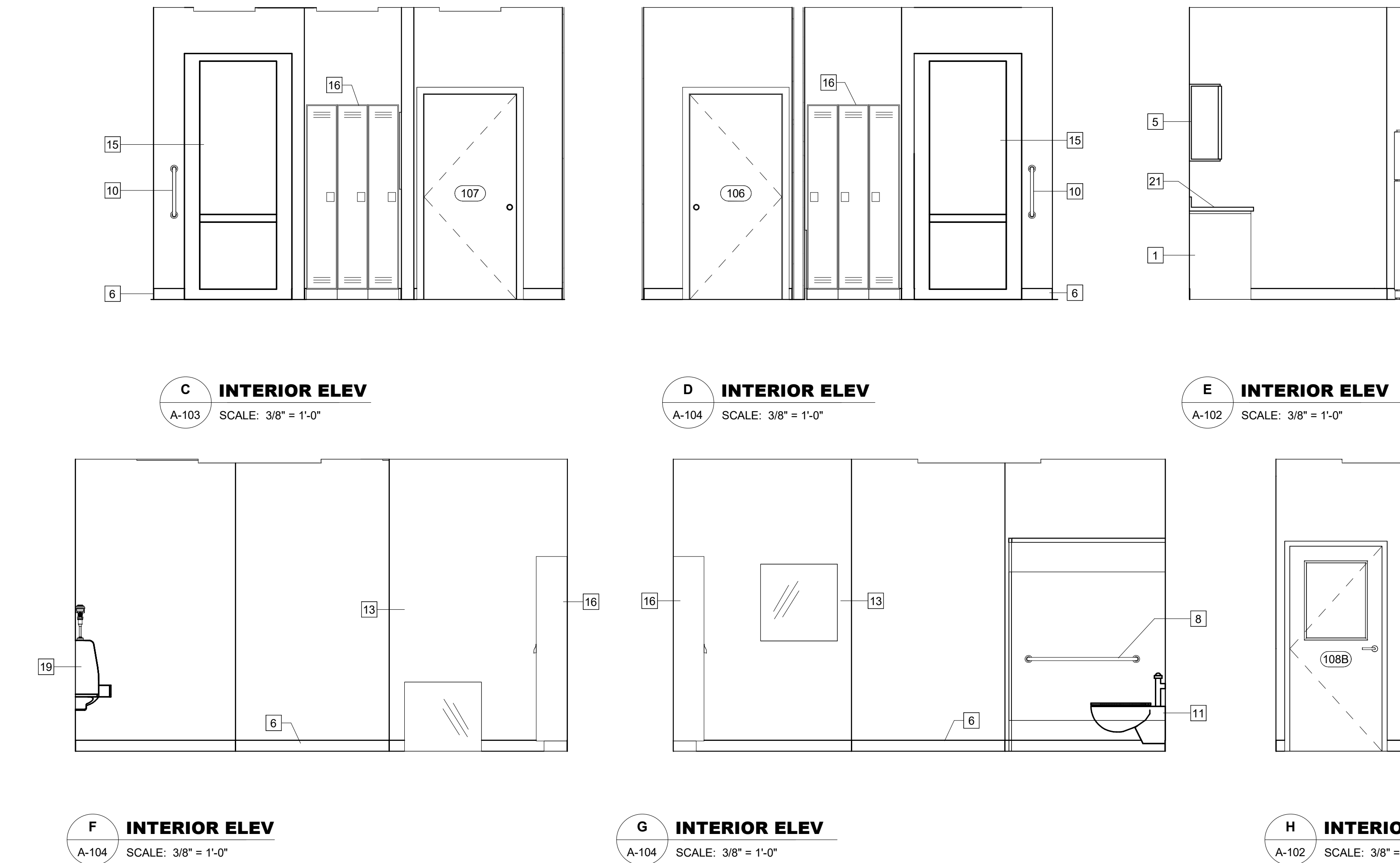
- ACCESSIBILITY STANDARDS:** CONTRACTOR MUST BE FAMILIAR W/ AND, SHALL MAINTAIN ON THE JOB SITE, A COPY OF THE CURRENT ADAAG STANDARDS AND IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.
- ADA DEVICES:** ALL DEVICES AND FIXTURES DEPICTED HEREIN AND WHERE NOTED AS "ADA" OR "ACCESSIBLE" SHALL AT MINIMUM BE INSTALLED IN STRICT ACCORDANCE W/ THE AMERICANS W/ DISABILITIES ACT AND APPLICABLE BUILDING CODES. WHERE ACCESSIBILITY REQUIREMENTS MAY VARY BY JURISDICTION, FOLLOW THE MOST STRINGENT REQUIREMENTS.
- ADA MOUNTING HEIGHTS:** ALL MOUNTING HEIGHTS SHOWN ON THIS PAGE ARE TO BE MEASURED FROM THE TOP OF FLOOR FINISH (i.e. NOT FROM SUBFLOOR). THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED FLOOR FINISH WHEN ESTABLISHING THE MOUNTING HEIGHTS OF ACCESSIBLE ITEMS.
- ADA PLAN DIMENSIONS:** ALL PLAN DIMENSIONS SHALL BE MEASURED FROM THE FINISH FACE OF SCHEDULED WALL FINISH. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED WALL FINISH e.g., WALL TILE, WHEN ESTABLISHING PLAN DIMENSIONS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.
- PLUMBING ELEMENTS AND FIXTURES:** SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED LOCATIONS AND MOUNTING HEIGHT OF PLUMBING ELEMENTS AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS AND/OR CLEARANCES INDICATED HEREIN AND THE REQUIREMENTS OF THE PLUMBING ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.
- ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

GENERAL NOTES:

- ALL APPLIANCES TO BE CFCI (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED).

KEY NOTES: #

- PLASTIC LAMINATE LOWER CABINET
- STAINLESS STEEL DOUBLE SINK & FAUCET
- REFRIGERATOR
- DISHWASHER
- PLASTIC LAMINATE UPPER CABINET
- 4" RUBBER BASE
- TOILET PAPER DISPENSER
- 42" GRAB BAR
- 36" GRAB BAR
- 18" GRAB BAR
- TOILET
- WALL HUNG LAVATORY
- MIRROR
- SOAP DISPENSER
- ADA WALK IN SHOWER
- LOCKER
- TOILET PAPER DISPENSER
- PAPER TOWEL DISPENSER
- WALL HUNG URINAL
- PLASTIC LAMINATE FILLER PANEL
- PLASTIC LAMINATE COUNTER TOP



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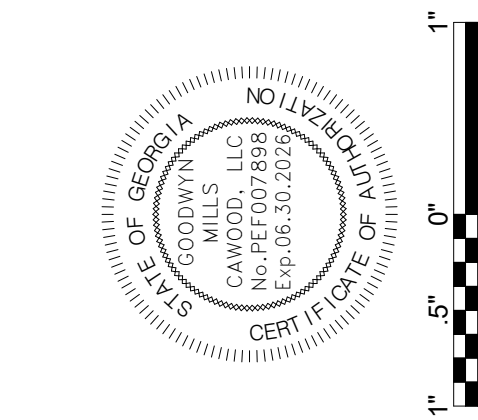


ADMINISTRATION &
LAB BUILDING
INTERIOR ELEVATIONS

A-106

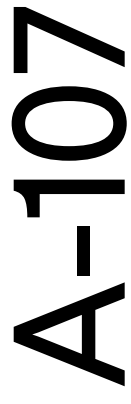
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Drawn By:		



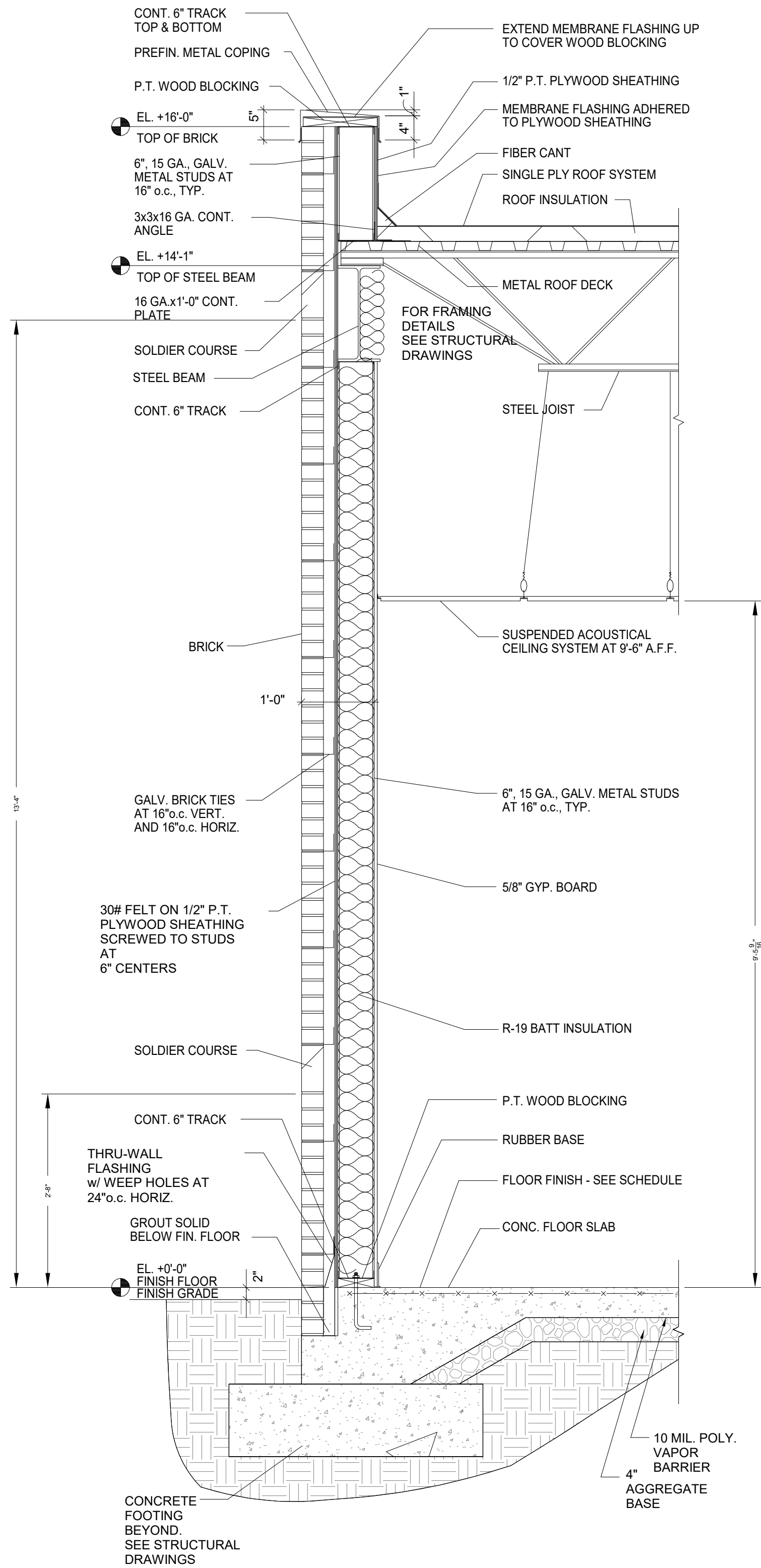
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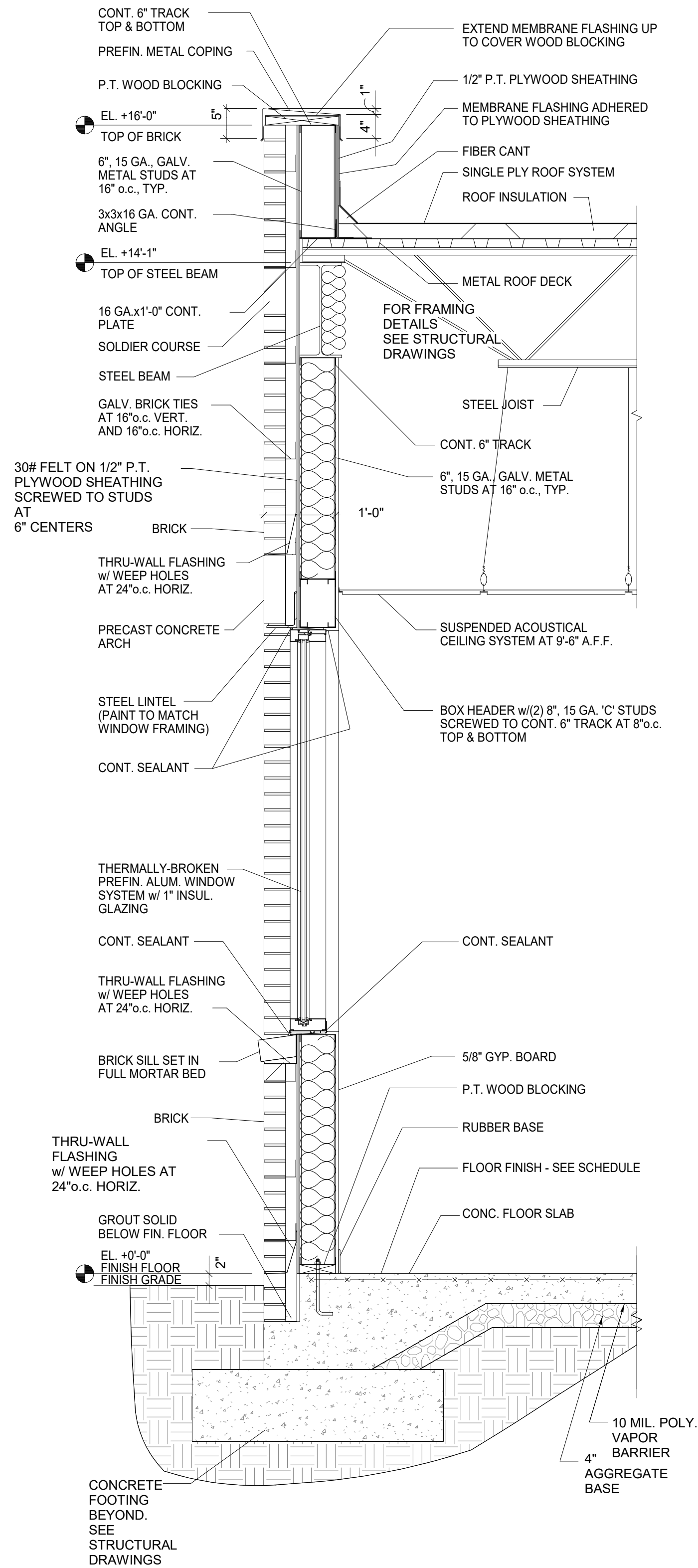


1. STAINLESS STEEL DOUBLE SINK & FAUCET
2. REFRIGERATOR
3. ADA EMERGENCY EYE WASH & SHOWER
4. FISHERBRAND™ ISOTEMP™ 400 REFRIGERATED INCUBATOR, 38" L, STAINLESS STEEL, CATALOG NO. 15-103-1569 OR EQUAL.
5. 3/4" THICK CELLULOSE FIBER REINFORCED PHENOLIC RESIN CORE WITH A POLYURETHANE COPOLYMER SURFACE COUNTERTOP W/ MARINE EDGE 4" HIGH X 3/4" THICK APPLIED BACK SPLASH
6. UNDERCOUNTER STEAMSCRUBBER GLASSWARE WASHER MODEL #4400330 OR EQUAL
7. CENTER BENCH SHELVING
8. PRE-MANUFACTURED STEEL WALL CABINET
9. PRE-MANUFACTURED STEEL BASE CABINET
10. FUME HOOD
11. STAINLESS STEEL SINGLE SINK & FAUCET
12. STEEL FRONT FILLER PANEL
13. UTILITY CHASE
14. 3/4" THICK CELLULOSE FIBER REINFORCED PHENOLIC RESIN CORE WITH A POLYURETHANE COPOLYMER SURFACE COUNTERTOP W/ MARINE EDGE.
15. 4" RUBBER BASE

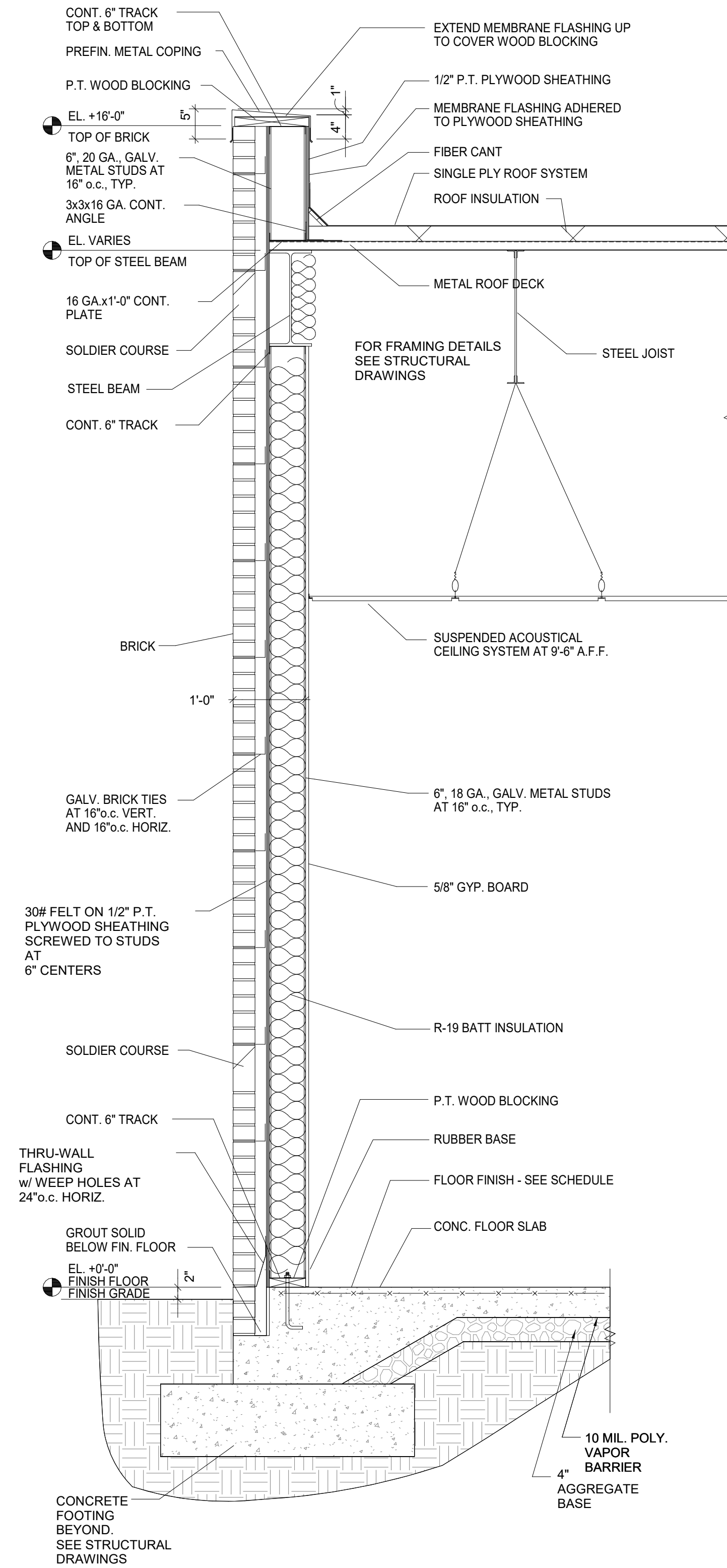
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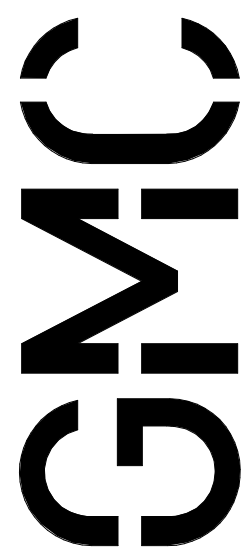
1 WALL SECTION
A-101 SCALE: 3/4" = 1'-0"



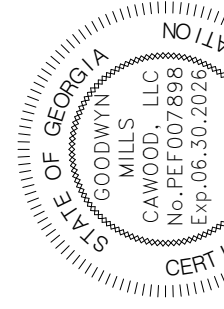
2 WALL SECTION
A-101 SCALE: 3/4" = 1'-0"



3 WALL SECTION
A-101 SCALE: 3/4" = 1'-0"



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GROVE CREEK WPCP
COMMERCE, GA

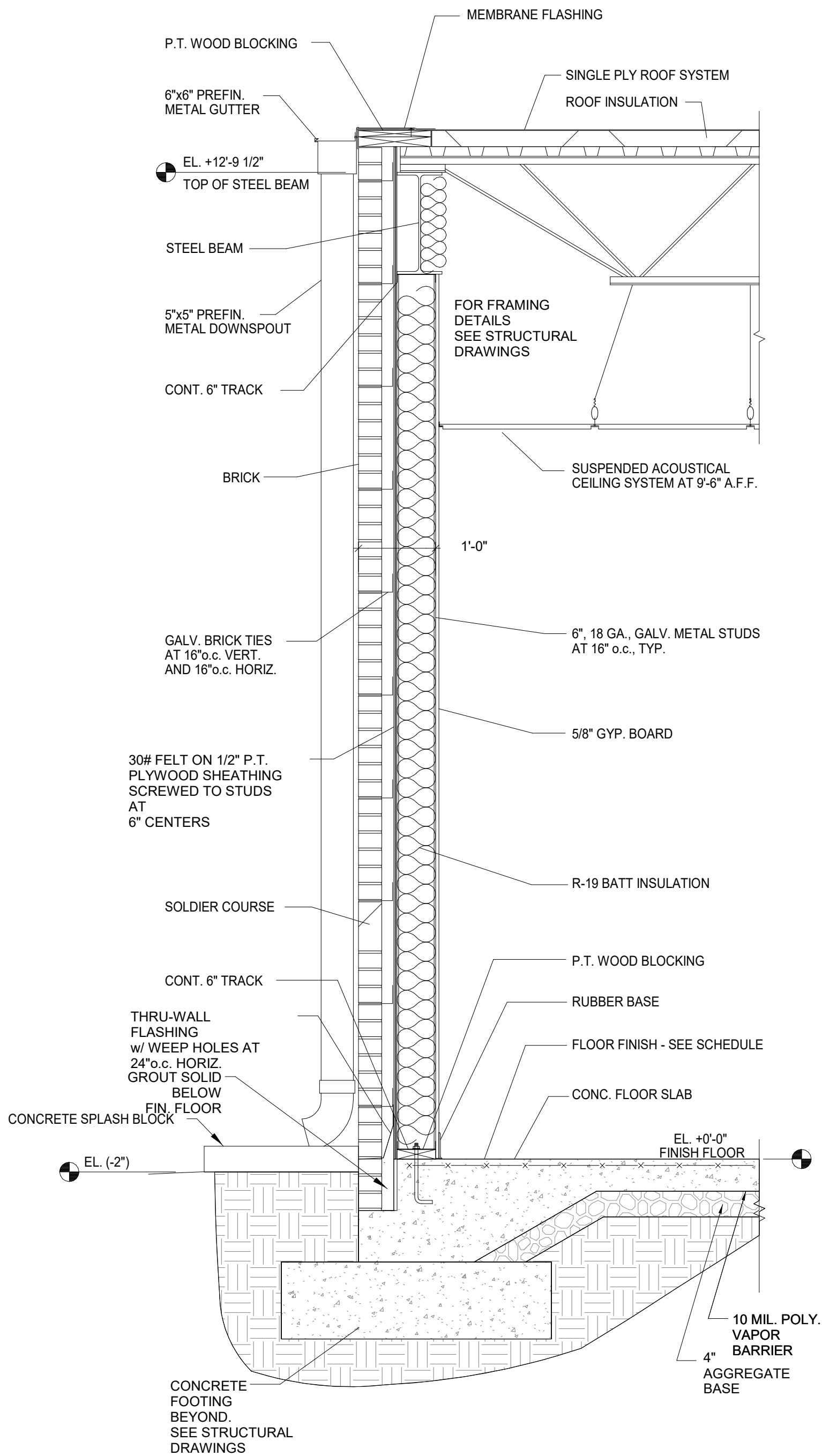
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ADMINISTRATION &
LAB BUILDING WALL
SECTIONS

A-108

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4 WALL SECTION
A-101 SCALE: 3/4" = 1'-0"



**ADMINISTRATION &
LAB BUILDING WALL
SECTIONS**

A-109

**COMMERCE 2.0 MGD
GROVE CREEK WPCP
COMMERCE, GA**

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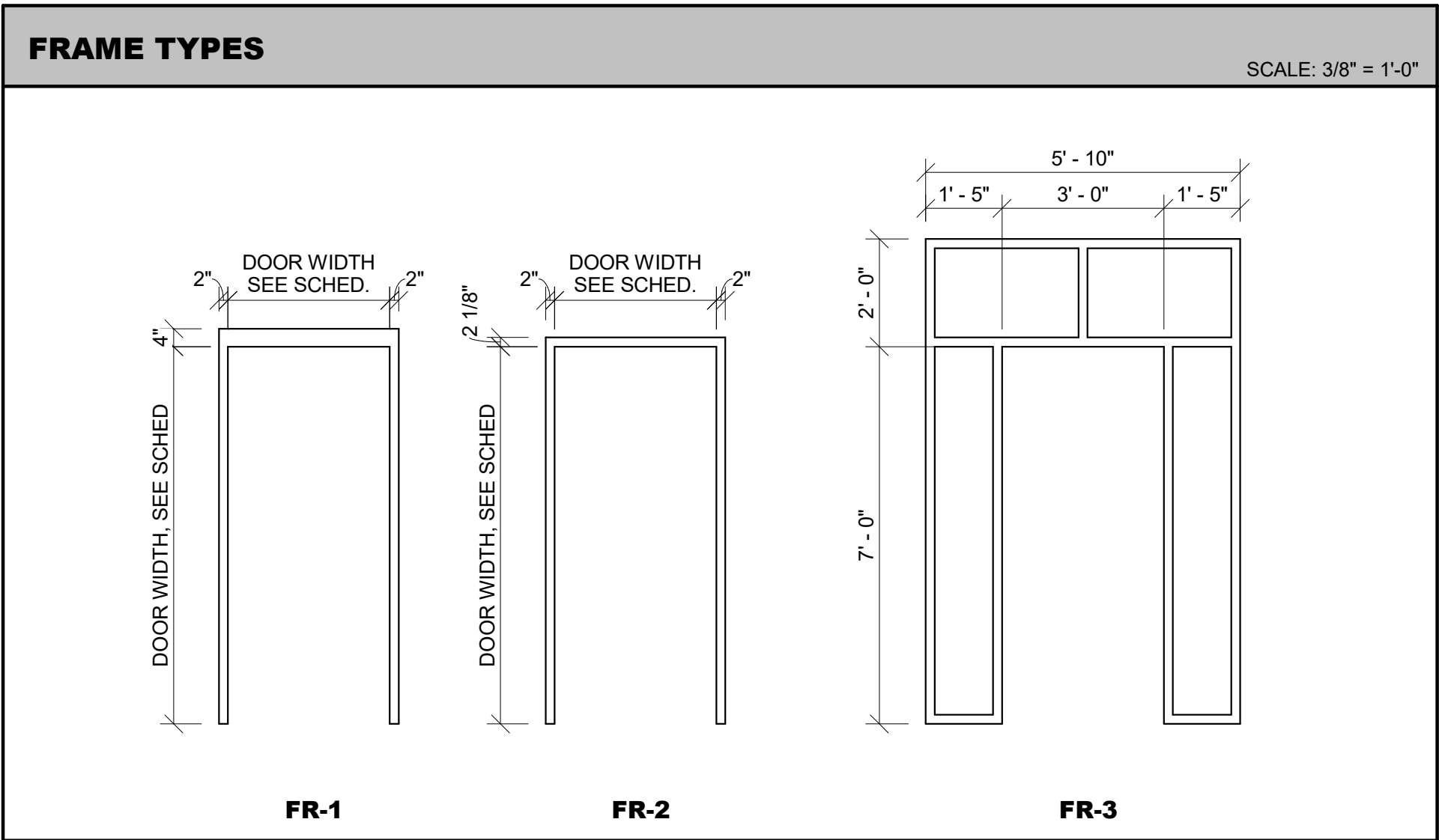
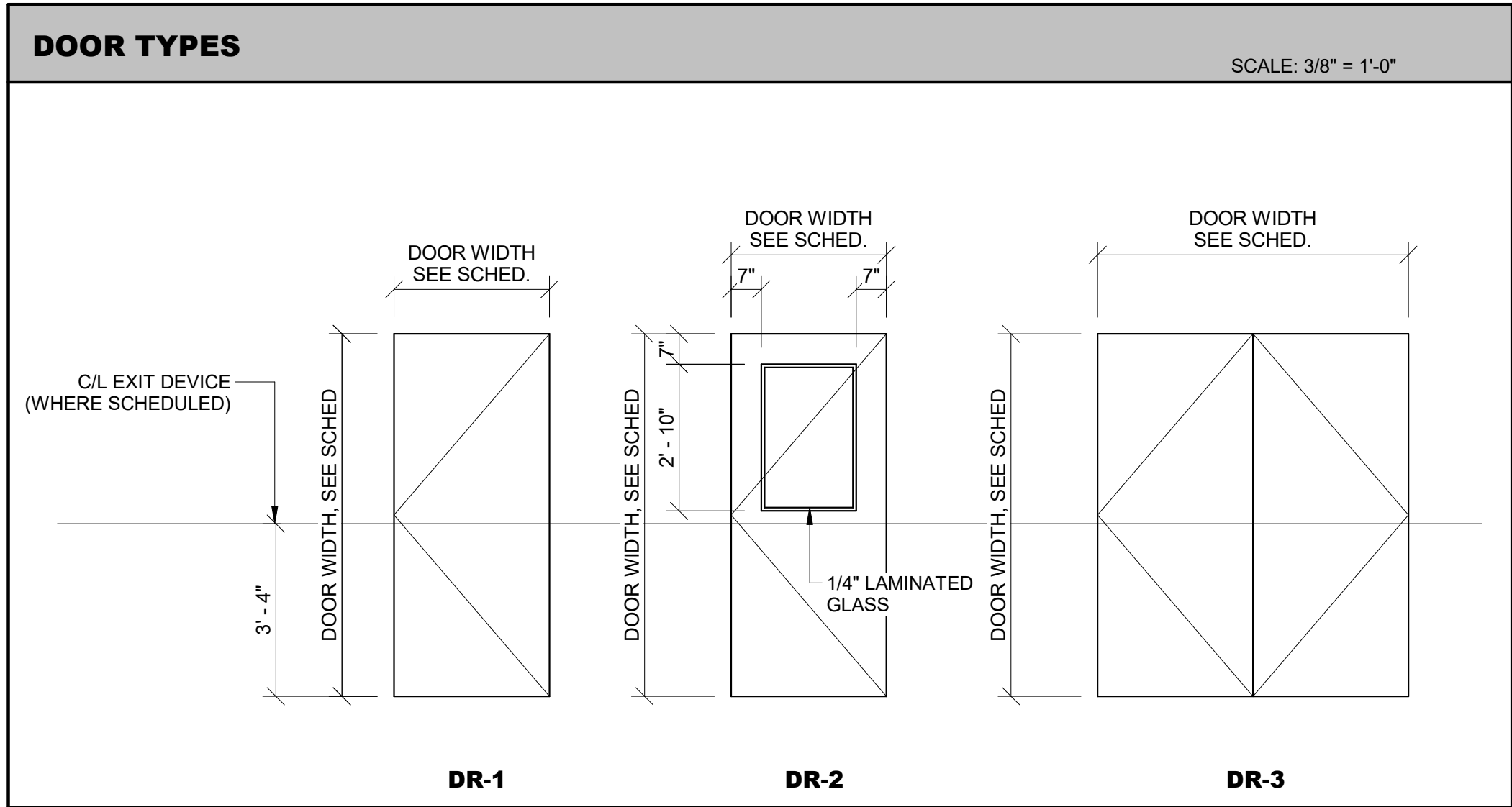
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FINISH SCHEDULE Admin									
ROOM #	ROOM NAME	WALL FINISH				BASE	CEILING		
		NORTH	EAST	SOUTH	WEST		MATERIAL	MATERIAL	HEIGHT
101	CORRIDOR	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
102	LABORATORY	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
103	OPERATIONS CENTER	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
104	LAB OFFICE	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
105	UTILITY ROOM NO.2	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	BMR-1	ACT	9'-6"
106	MENS RESTROOM	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	TILE	ACT	9'-6"
107	WOMEN'S RESTROOM	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	TILE	ACT	9'-6"
108	UTILITY ROOM NO.1	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	BMR-1	ACT	9'-6"
109	TRAINING - CONFERENCE ROOM	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
110	STORAGE	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
111	OFFICE	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
112	SUPERINTENDENT'S OFFICE	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	VCT	ACT	9'-6"
113	STORAGE	GYP/PNT	GYP/PNT	GYP/PNT	GYP/PNT	RUB-1	BMR-1	ACT	9'-6"

DOOR SCHEDULE Admin										
DOOR #	DOOR				FRAMES					COMMENTS
	SIZE		TYPE	MATERIAL	TYPE	MATERIAL	DETAILS			
	WIDTH	HEIGHT					HEAD	JAMB	SILL	
101A	3' - 0"	7' - 0"	DR-2	GLS	FR-3	SF	SF	SF	9/A-111	
101B	5' - 0"	6' - 8"	DR-3	SC	FR-2	HM	4/A-111	7/A-111	-	
102A	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
102B	3' - 0"	7' - 0"	DR-2	HM	FR-1	HM	5/A-111	8/A-111	9/A-111	
103A	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
103B	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
104	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
105	3' - 0"	6' - 8"	DR-1	SC	FR-2	HM	4/A-111	7/A-111	-	
106	3' - 0"	6' - 8"	DR-1	SC	FR-2	HM	4/A-111	7/A-111	-	
107	3' - 0"	6' - 8"	DR-1	SC	FR-2	HM	4/A-111	7/A-111	-	
108A	3' - 0"	7' - 0"	DR-2	HM	FR-1	HM	5/A-111	8/A-111	9/A-111	
108B	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
109	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
110	3' - 0"	6' - 8"	DR-1	SC	FR-2	HM	4/A-111	7/A-111	-	
111	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
112	3' - 0"	6' - 8"	DR-2	SC	FR-2	HM	4/A-111	7/A-111	-	
113	3' - 0"	6' - 8"	DR-1	SC	FR-2	HM	4/A-111	7/A-111	-	

WINDOW SCHEDULE admin						
WINDOW #	ROUGH OPENING		TYPE	DETAILS		
	WIDTH	HEIGHT		HEAD	JAMB	SILL
A	7' - 4"	5' - 7"	Fixed	3/A-111	6/A-111	-

ABBREVIATIONS	
ACT	LAY-IN ACOUSTICAL CEILING TILE- MOISTURE RESISTANT
BRM-1	BROOM CONCRETE FINISH
GLS	GLASS
GYP	GYPSUM BOARD
HM	HOLLOW METAL
PNT	PAINT
RUB-1	4" RUBBER BASE
SC	SOLID CORE WOOD
SF	ALUMINUM STORE FRONT
VCT	VINYL COMPOSITE TILE



LABORATORY CASEWORK SCHEDULE				
MANUFACTURER	MODEL	DESCRIPTION	HEIGHT	WIDTH
Mott Manufacturing	1017011	Corner Unit	2' - 11"	3' - 9"
Mott Manufacturing	1017011	Corner Unit	2' - 11"	3' - 9"
Mott Manufacturing	5071030	Corner Unit	2' - 6"	2' - 10"
Mott Manufacturing	5071030	Corner Unit	2' - 6"	2' - 10"
Mott Manufacturing	1232011	Insulated Solvent Units 22" Deep	2' - 11"	2' - 0"
Mott Manufacturing	7221000	Pro Constant Volume Fume Hood	4' - 6 1/2"	4' - 0"
Mott Manufacturing	5420030	Steel Wall Cabinets	2' - 6"	3' - 6"
Mott Manufacturing	5420030	Steel Wall Cabinets	2' - 6"	3' - 0"
Mott Manufacturing	5140030	Steel Wall Cabinets	2' - 6"	1' - 6"
Mott Manufacturing	5420030	Steel Wall Cabinets	2' - 6"	3' - 0"
Mott Manufacturing	5140030	Steel Wall Cabinets	2' - 6"	1' - 6"
Mott Manufacturing	5240030	Steel Wall Cabinets	2' - 6"	2' - 0"
Mott Manufacturing	5420030	Steel Wall Cabinets	2' - 6"	3' - 6"
Mott Manufacturing	5140030	Steel Wall Cabinets	2' - 6"	1' - 6"
Mott Manufacturing	1234211	Steel_Base_Cabinets	2' - 11"	2' - 0"
Mott Manufacturing	1410097	Steel_Base_Cabinets	2' - 11"	3' - 6"
Mott Manufacturing	1410022	Steel_Base_Cabinets	2' - 11"	3' - 6"
Mott Manufacturing	1410022	Steel_Base_Cabinets	2' - 11"	2' - 6"
Mott Manufacturing	141001B	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1410044	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1410500	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1515022	Steel_Base_Cabinets	2' - 11"	4' - 10 1/2"
Mott Manufacturing	141001B	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1410044	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1410500	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1510500	Steel_Base_Cabinets	2' - 11"	4' - 10"
Mott Manufacturing	1518022	Steel_Base_Cabinets	2' - 11"	4' - 0"
Mott Manufacturing	1410022	Steel_Base_Cabinets	2' - 11"	3' - 6"
Mott Manufacturing	1510093	Steel_Base_Cabinets	2' - 11"	4' - 0"
Mott Manufacturing	1410093	Steel_Base_Cabinets	2' - 11"	3' - 0"
Mott Manufacturing	1510093	Steel_Base_Cabinets	2' - 11"	4' - 0"
Mott Manufacturing	1410093	Steel_Base_Cabinets	2' - 11"	3' - 0"

NOTES

- ALL BUILDING MATERIALS STYLE/COLOR SHALL BE COORDINATED WITH THE OWNER VIA THE SUBMITTAL PROCESS AS OUTLINED IN SPECIFICATION 01330 PRIOR TO PLACING ORDERS.
- THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND DOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- SEE SPECIFICATIONS FOR HARDWARE INFORMATION.

SIGNAGE NOTES

- RAISED CHARACTERS SHALL BE 1/32 INCH MINIMUM ABOVE THEIR BACKGROUND.
- CHARACTERS SHALL BE UPPERCASE.
- CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
- CHARCTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTCH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPPERCASE LETTER "I".
- STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF HEIGHT OF CHARACTER.
- SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

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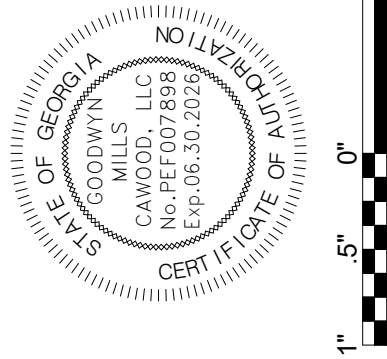


ADMINISTRATION &
LAB BUILDING
SCHEDULES

A-110

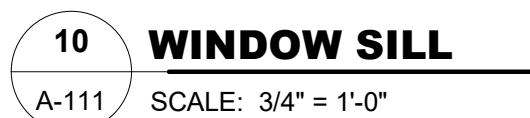
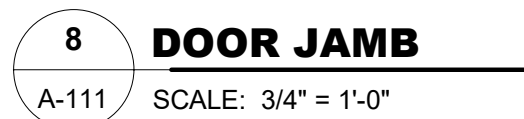
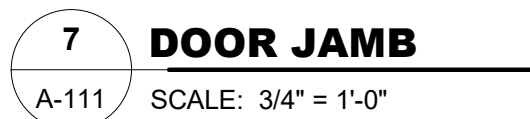
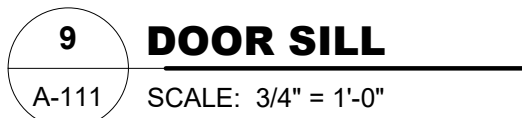
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7B

ROOF PLAN

A-711

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

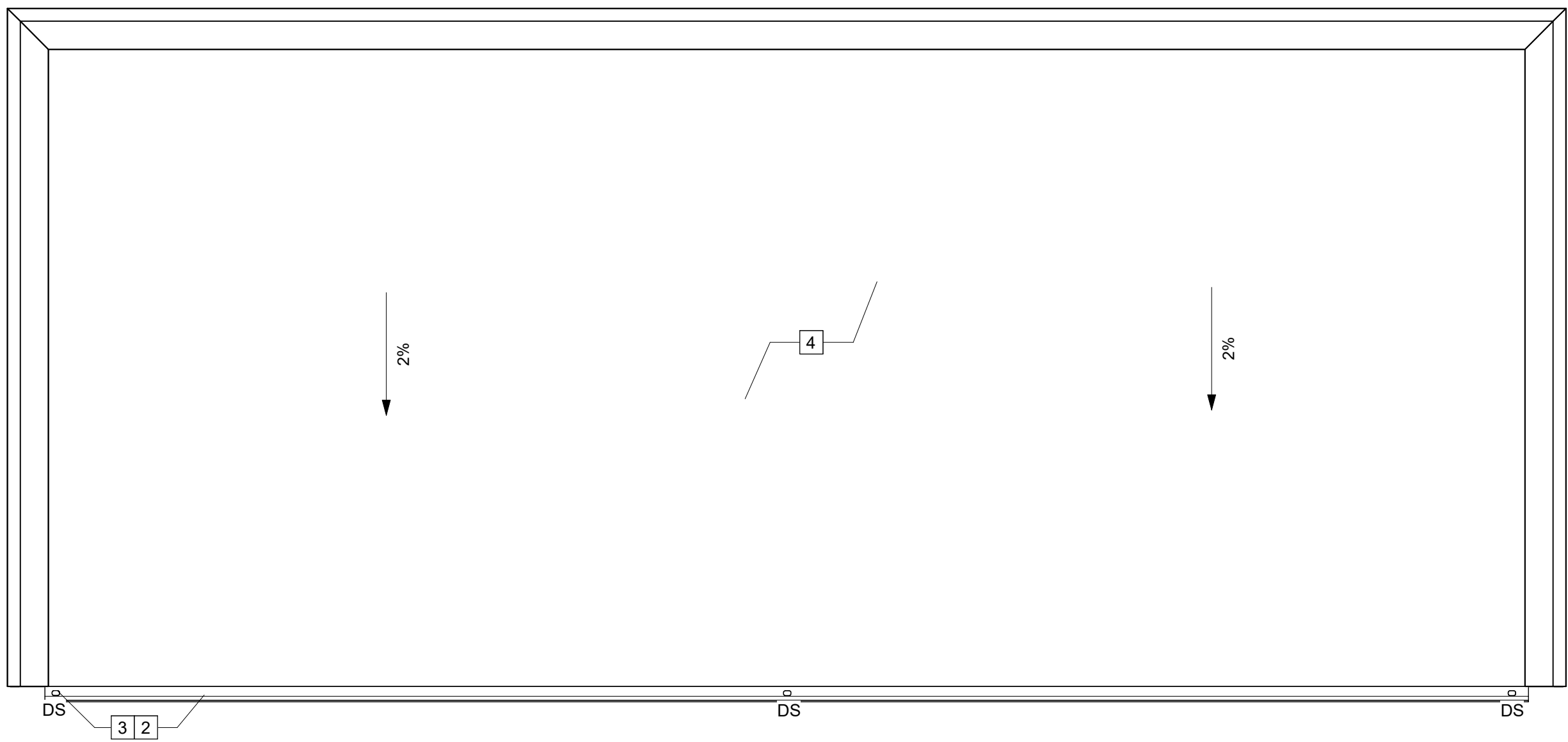
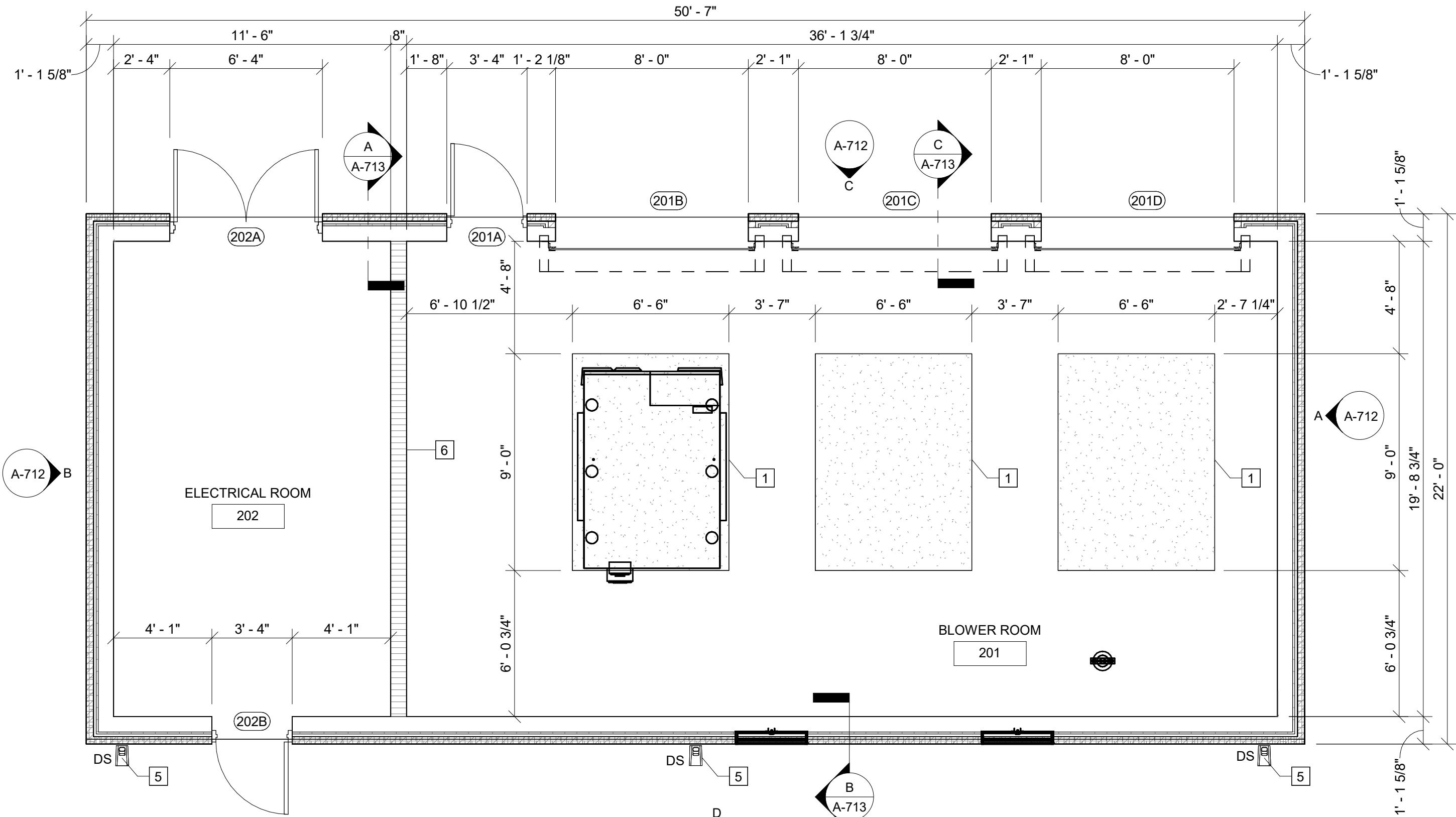


7A

PLAN

A-711

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



KEY NOTES: #

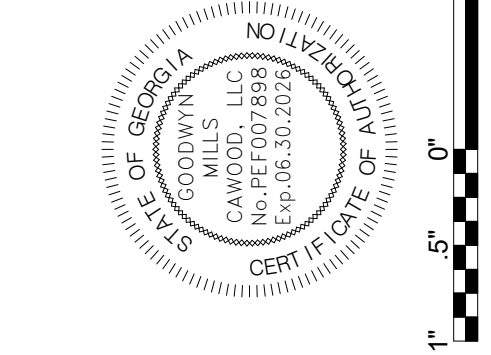
1. 4" CONCRETE EQUIPMENT PAD
2. METAL GUTTER
3. METAL DOWNSPOUT
4. ROOF SYSTEM
5. SPLASH BLOCK
6. 8" CMU

BLOWERS BUILDING -
FLOOR & ROOF PLAN

A-711

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GROVE CREEK WPCP
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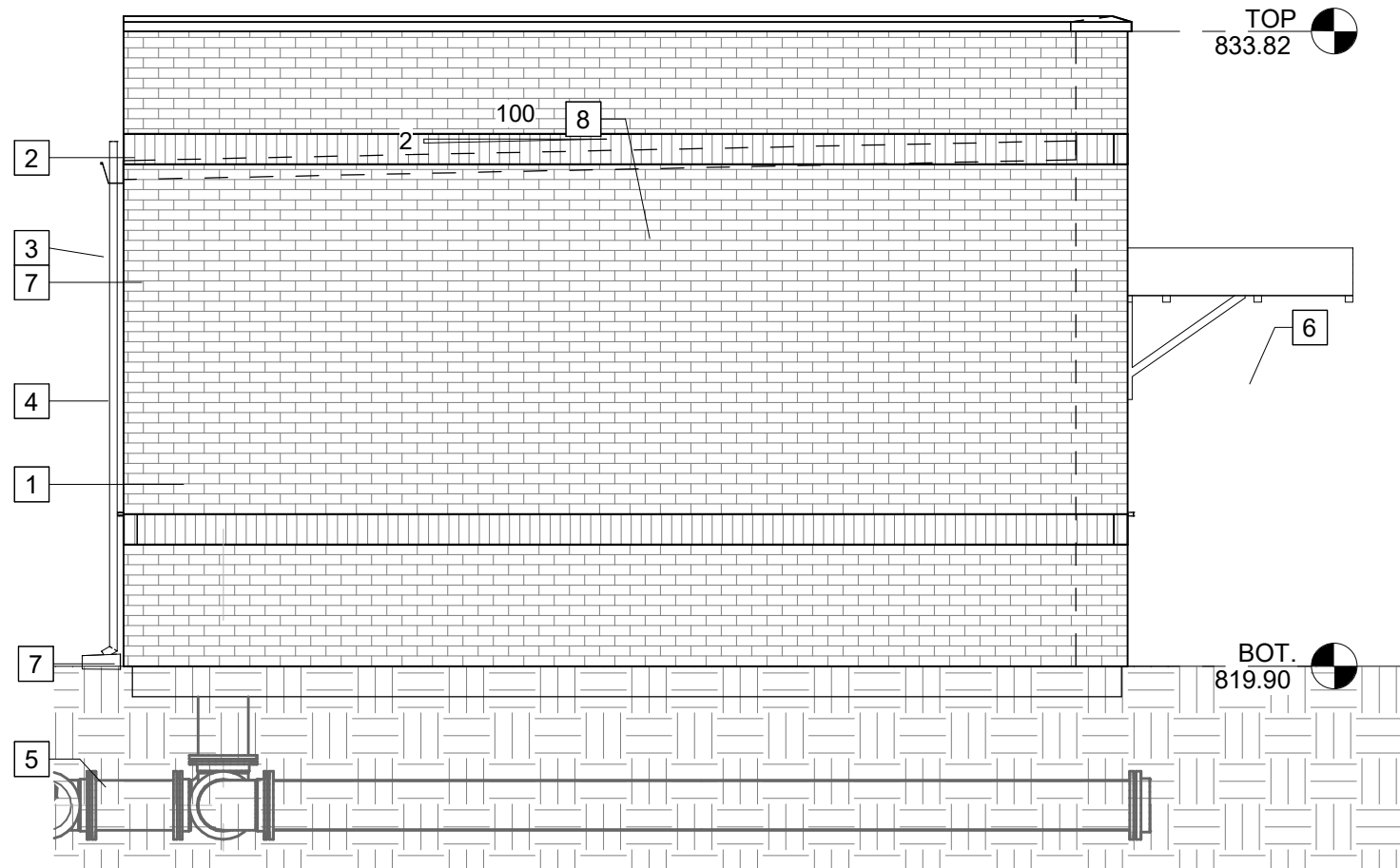


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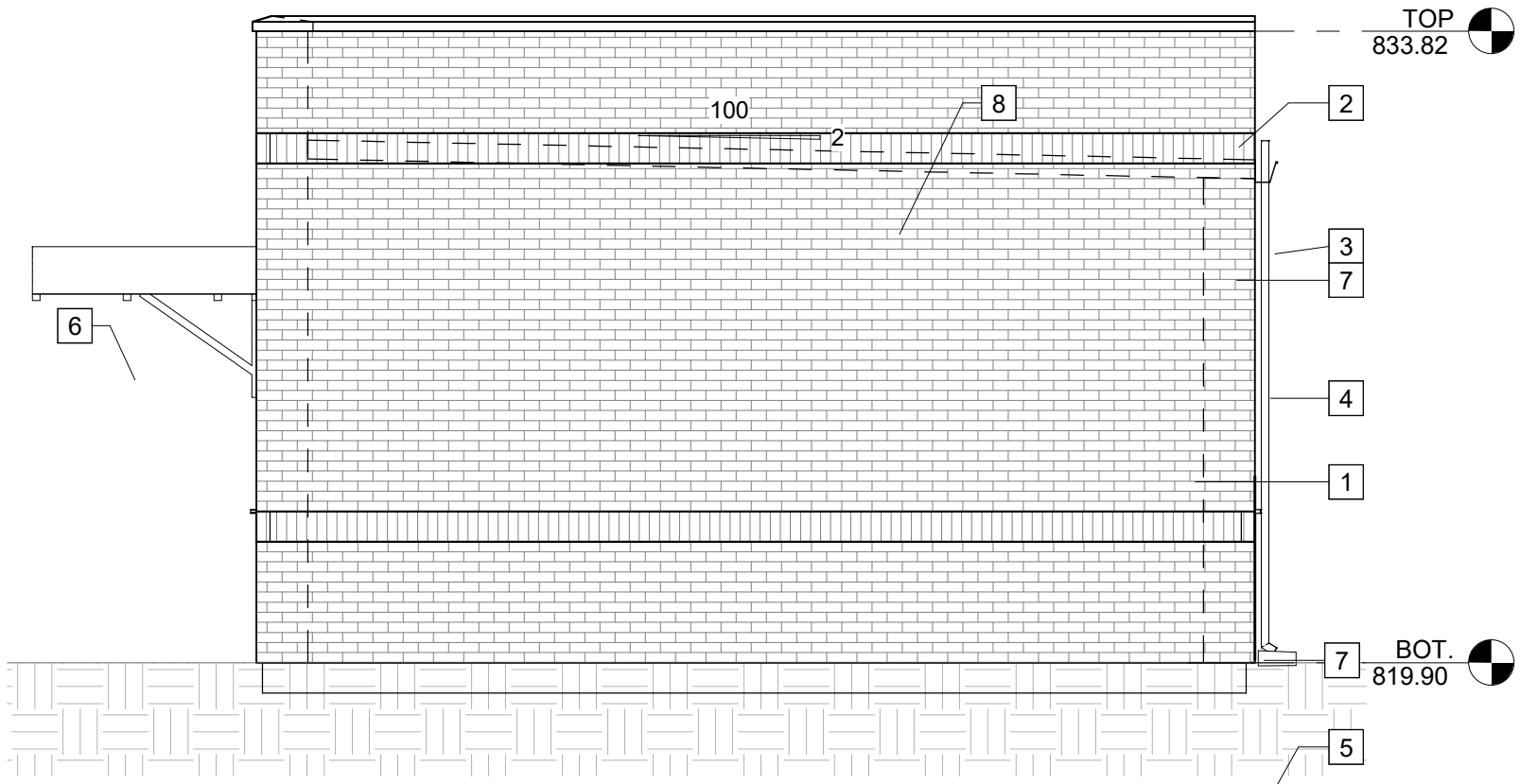
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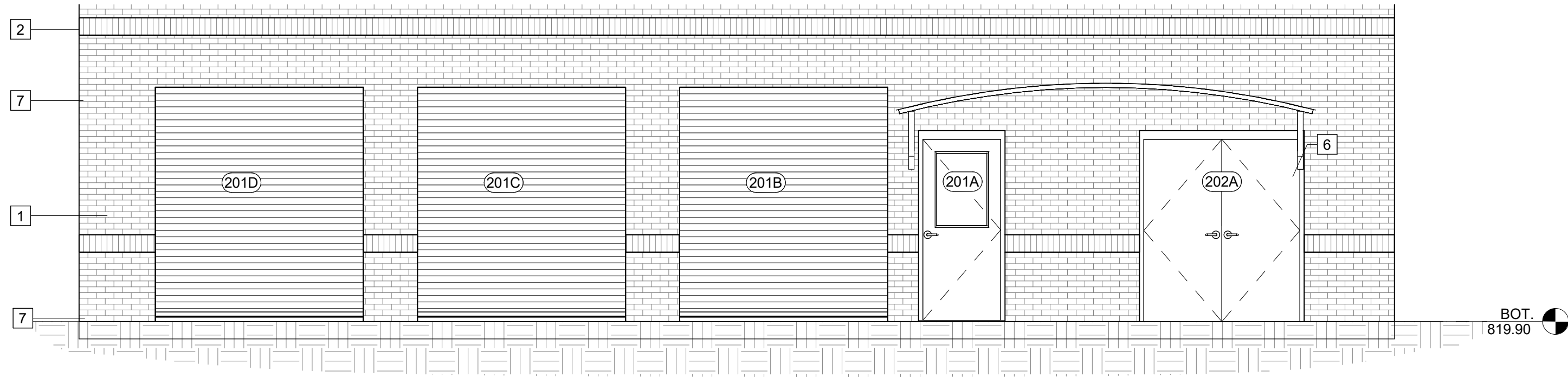
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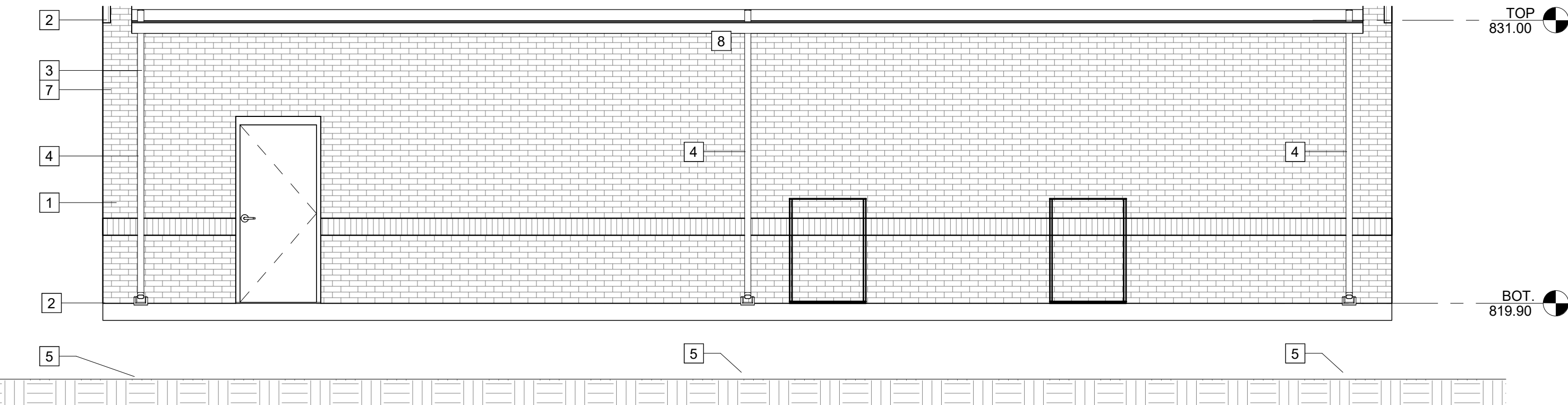
A **EXTERIOR ELEVATION**
A-711 SCALE: 1/4" = 1'-0"



B **EXTERIOR ELEVATION**
A-711 SCALE: 1/4" = 1'-0"



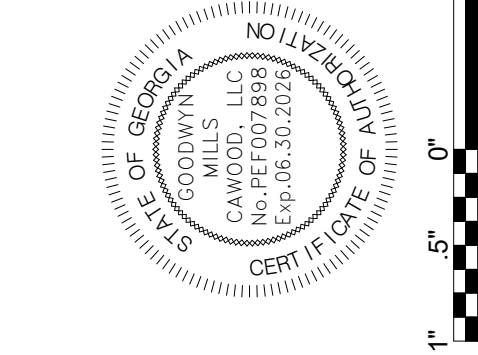
C **EXTERIOR ELEVATION**
A-711 SCALE: 1/4" = 1'-0"



D **SOUTH ELEVATION**
A-711 SCALE: 1/4" = 1'-0"

KEY NOTES: #

1. BRICK VENEER
2. METAL COPINGS
3. METAL GUTTER
4. METAL DOWNSPOUTS
5. SPLASH BLOCK
6. METAL AWNING
7. SOLDIER COURSE BAND
8. ROOF SYSTEM



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Engineer:	GS
Designer:	GS
Drawn By:	

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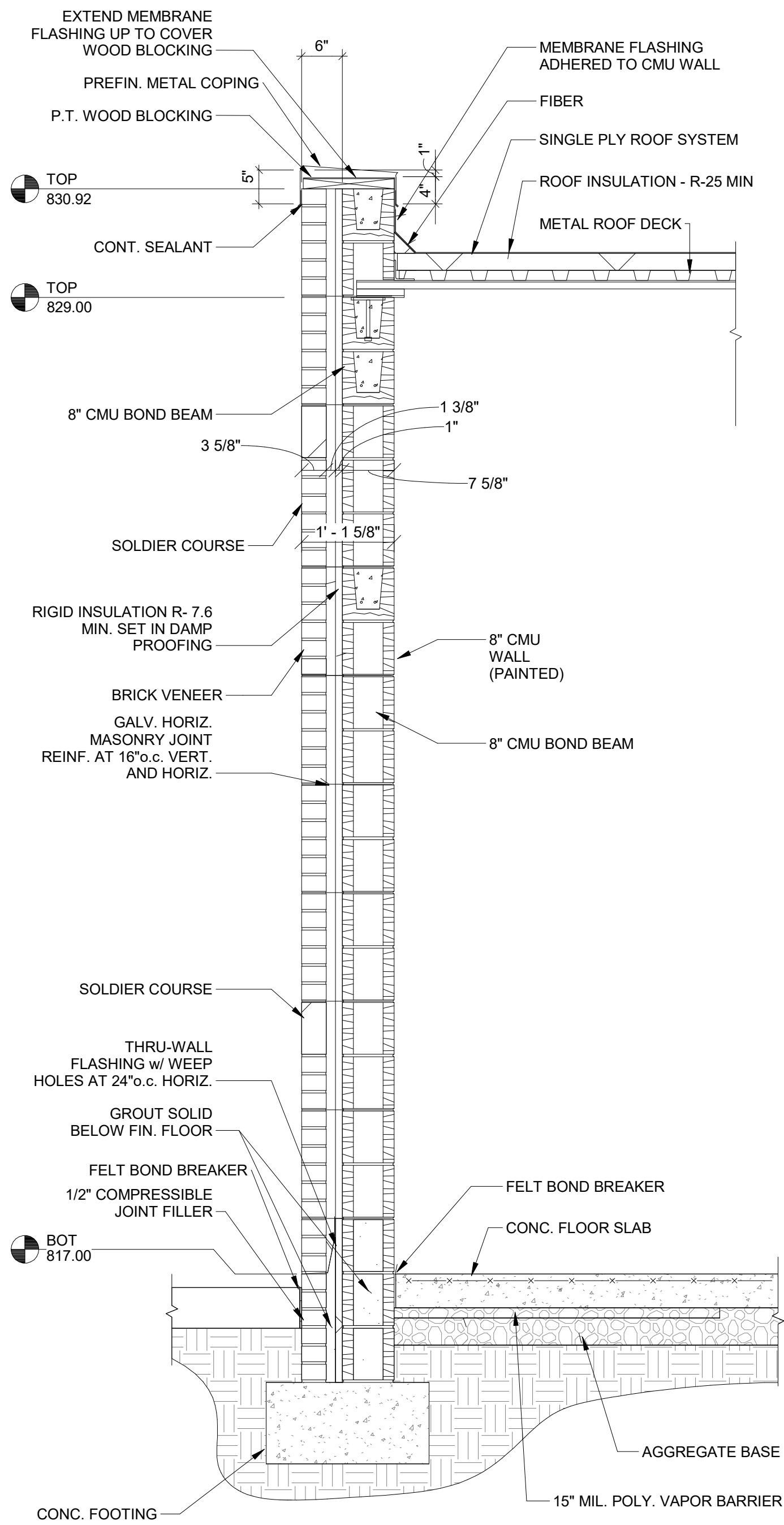
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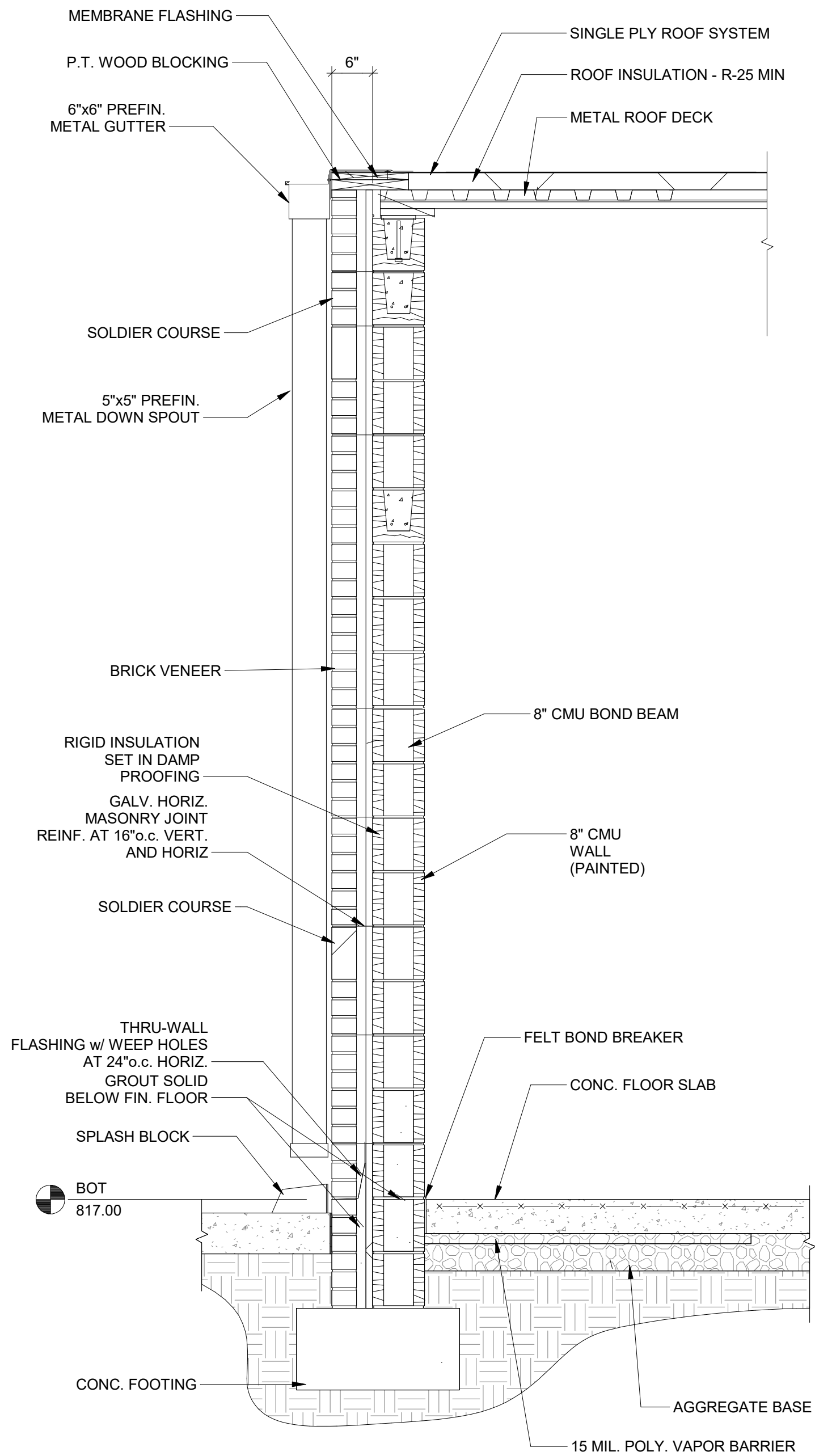
**BLOWERS BUILDING -
ELEVATION**

A-712

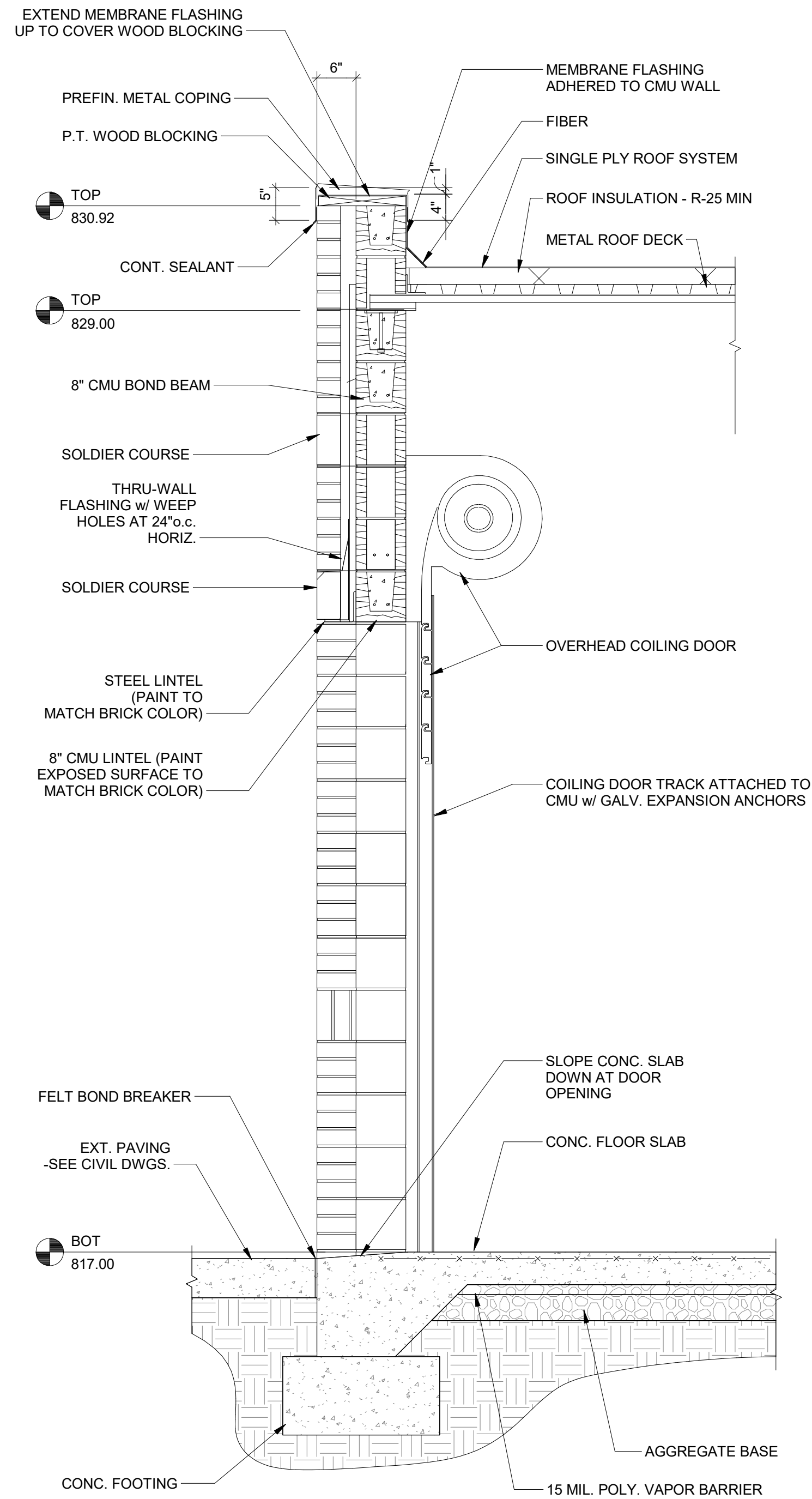
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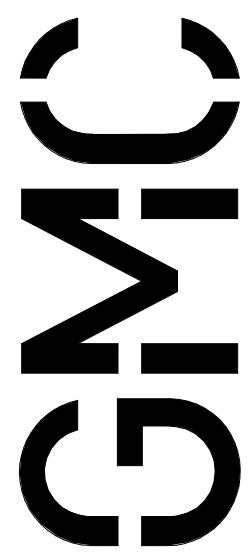
A WALL SECTION
A-713 SCALE: 3/4" = 1'-0"



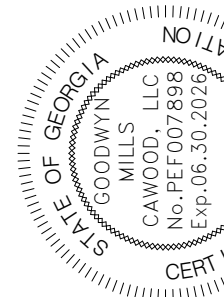
B WALL SECTION
A-713 SCALE: 3/4" = 1'-0"



C WALL SECTION
A-713 SCALE: 3/4" = 1'-0"



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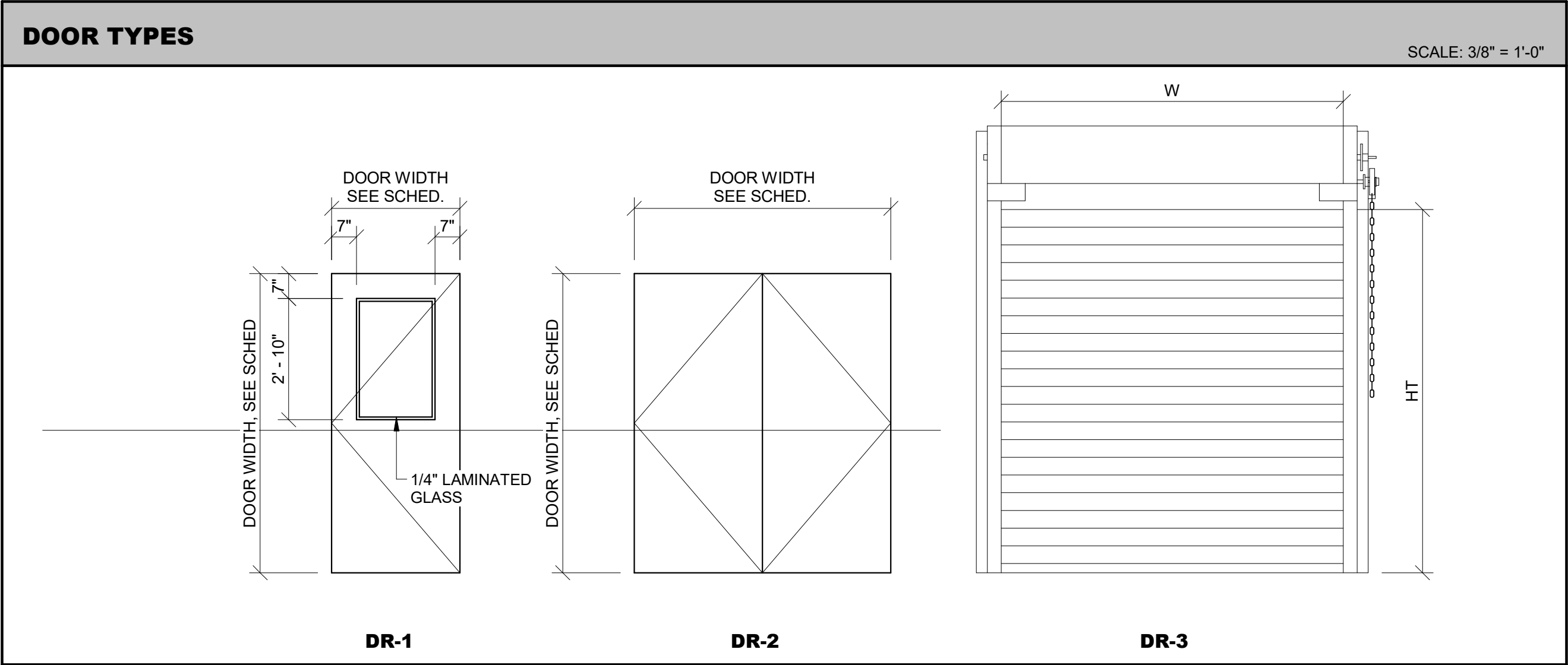
BLOWERS BUILDING -
SECTIONS

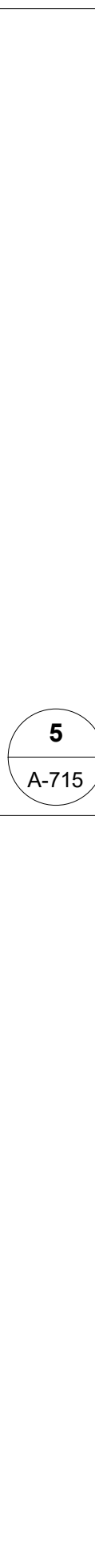
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DOOR SCHEDULE										
DOOR #	DOOR				FRAMES					COMMENTS
	SIZE		TYPE	MATERIAL	TYPE	MATERIAL	DETAILS			
	WIDTH	HEIGHT					HEAD	JAMB	SILL	
201A	3' - 0"	7' - 0"	DR-1	H.M.	FR-1	H.M.	3	4	5	
201B	8' - 0"	9' - 0"	DR-3	GAL. STL.	-	STEEL	-	-	-	
201C	8' - 0"	9' - 0"	DR-3	GAL. STL.	-	STEEL	-	-	-	
201D	8' - 0"	9' - 0"	DR-3	GAL. STL.	-	STEEL	-	-	-	
201E	3' - 0"	7' - 0"								
202A	6' - 0"	7' - 0"	DR-2	H.M.	FR-1	H.M.	3	4	5	
202B	3' - 0"	7' - 0"	DR-1	H.M.	FR-1	H.M.	3	4	5	

FINISH SCHEDULE									
ROOM #	ROOM NAME	WALL FINISH				BASE	FLOOR	CEILING	
		NORTH	EAST	SOUTH	WEST		MATERIAL	MATERIAL	HEIGHT
201	BLOWER ROOM	CMU	CMU	CMU	CMU	CONC.	BRM-1		
202	ELECTRICAL ROOM	CMU	CMU	CMU	CMU	CONC.	BRM-1		

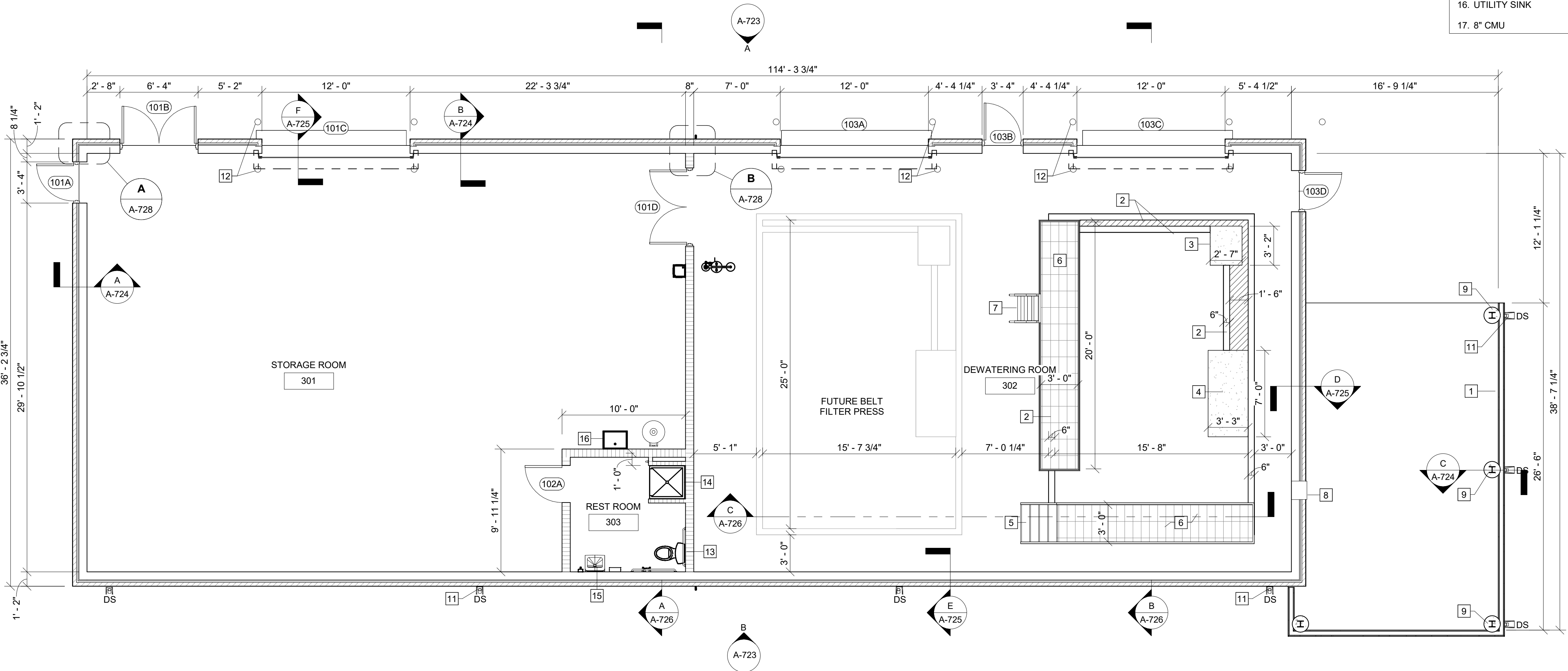




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7C PLAN
A-721 SCALE: 3/16" = 1'-0"



KEY NOTES: #

- 6" CONCRETE CURB W/ CHAMFER
- 6" CONCRETE CURB
- 5" EQUIPMENT PAD
- 14" EQUIPMENT PAD
- ALUMINUM STAIRS
- ALUMINUM PLATFORM
- ALUMINUM SHIP LADDER
- 1'-6" WIDE X 2'-3" HIGH CONVEYOR OPENING AT 8'-9" A.F.F.
- 1'-6" Ø 4'-6" H CAST IN PLACE CONCRETE COLUMN. SLOPE TOP AND PAINT "SAFETY YELLOW"
- 6" METAL GUTTER
- 5" METAL DOWNSPOUT
- 8" Ø 4'-0" HIGH STD PIPE BOLLARD. FILL SOLID W/ 3,000 PSI CONCRETE AND PAINT "SAFETY YELLOW"
- WATER CLOSET
- SHOWER
- SINK
- UTILITY SINK
- 8" CMU

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DEWATERING
BUILDING - PLAN

A-721

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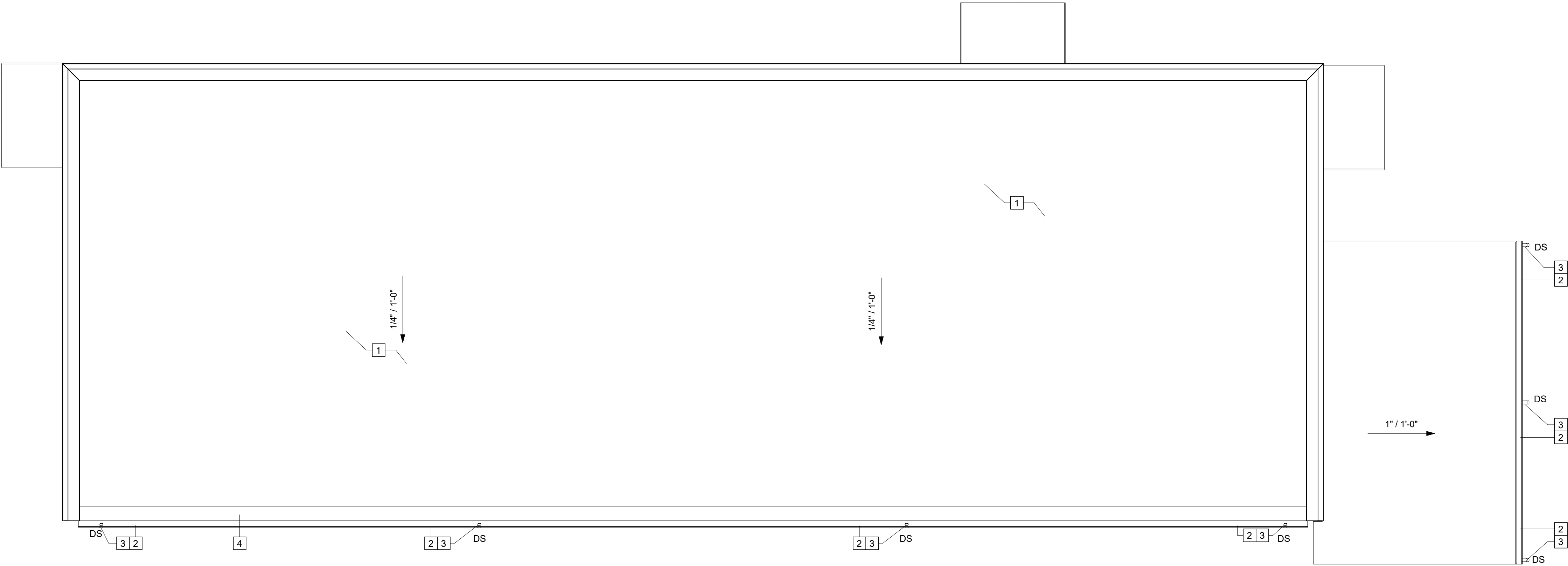
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7D
A-722

ROOF PLAN
SCALE: 3/16" = 1'-0"



KEY NOTES: #

1. SINGLE PLY ROOF SYSTEM
2. 6" METAL GUTTER
3. 5" METAL DOWNSPOUT
4. MEMBRANE FLASHING

**DEWATERING
BUILDING - ROOF
PLAN**

A-722

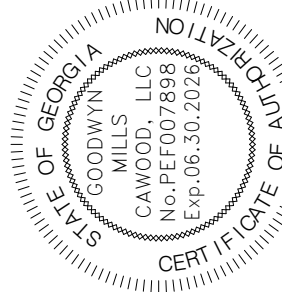


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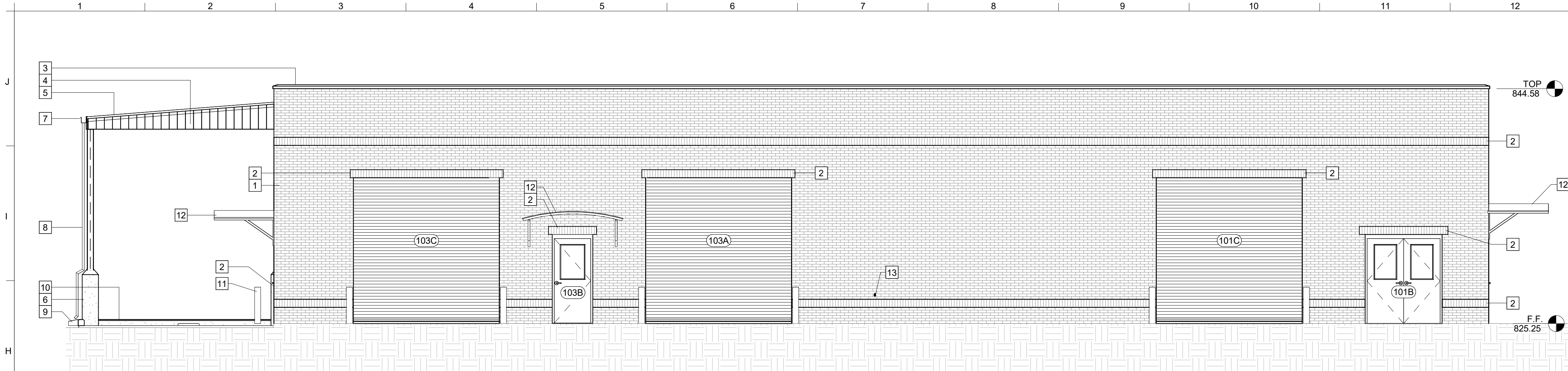
Project Manager:	CW
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Designer:	GS
Drawn By:	



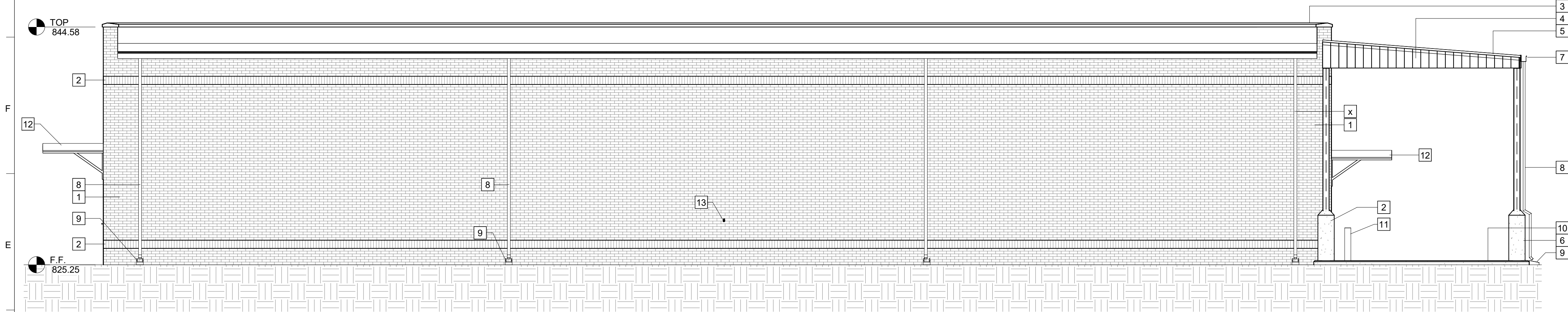
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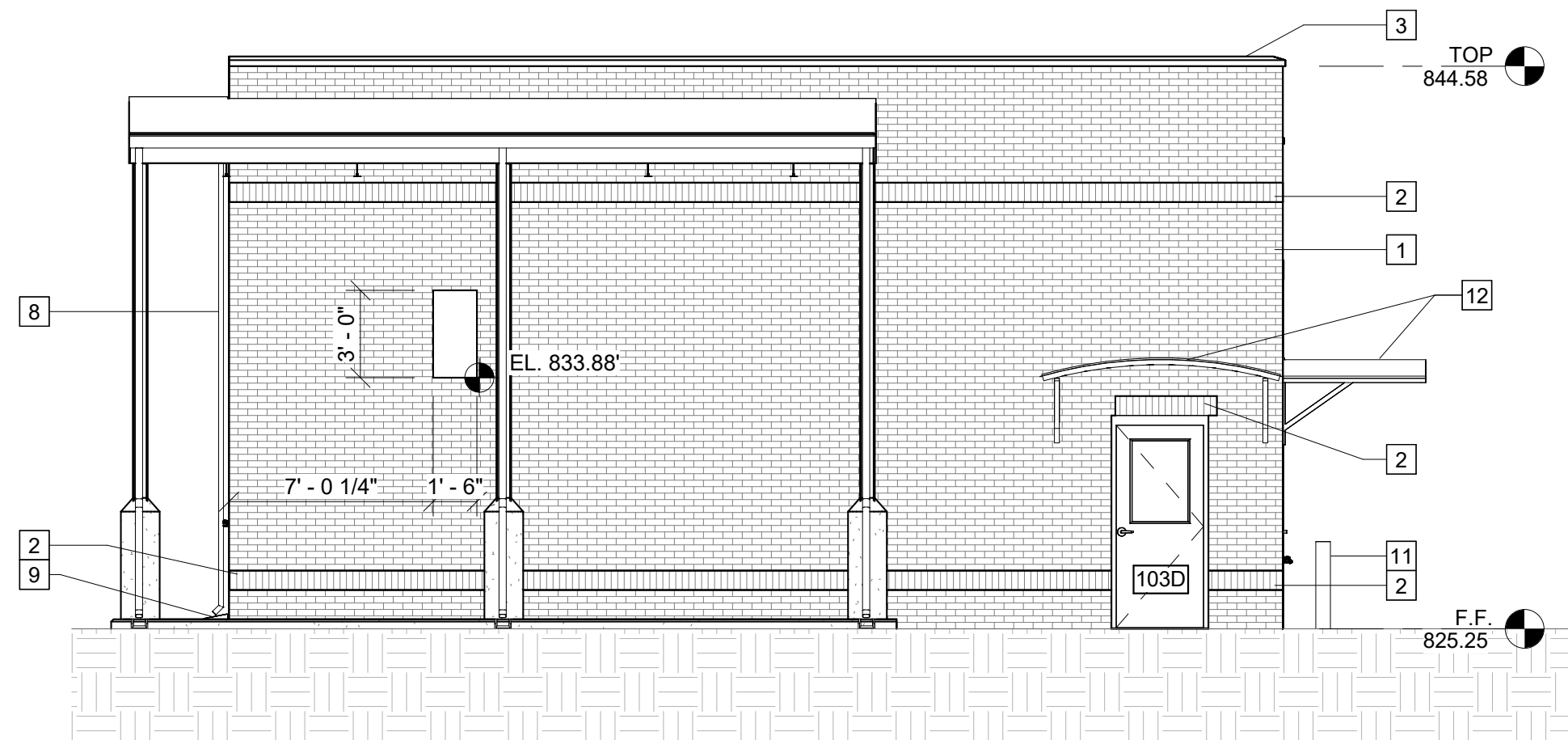
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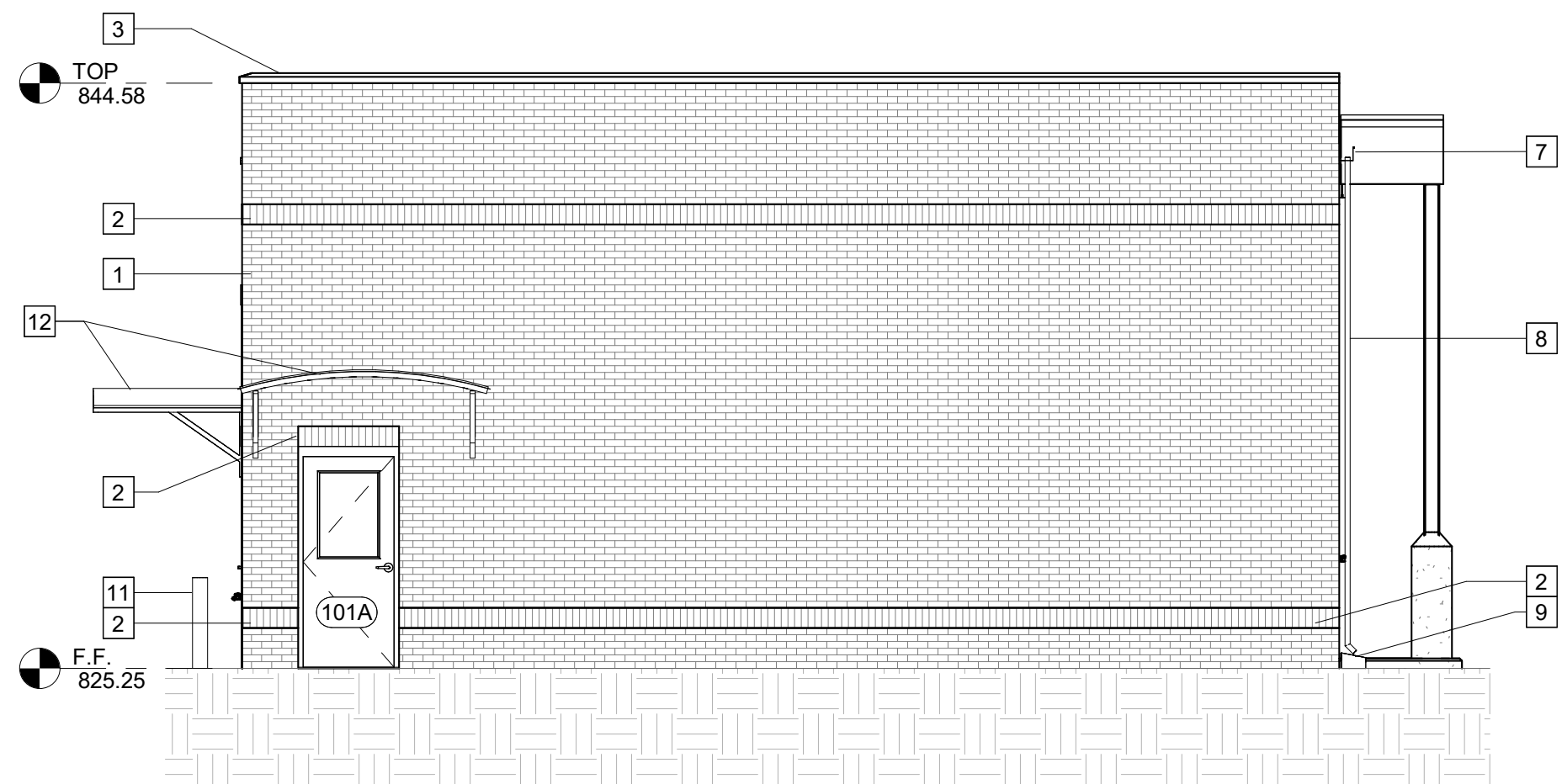
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A-723 SCALE: 3/16" = 1'-0"



B EXTERIOR ELEVATION
A-723 SCALE: 3/16" = 1'-0"



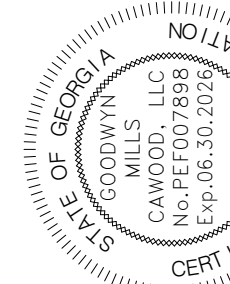
C EXTERIOR ELEVATION
A-721 SCALE: 3/16" = 1'-0"



D EXTERIOR ELEVATION
A-721 SCALE: 3/16" = 1'-0"

KEY NOTES: #

1. BRICK VENEER
2. SOLDIER COURSE BAND
3. METAL COPING
4. METAL SIDING
5. METAL RAKE TRIM
6. 1'-6" Ø 4'-6" H CAST IN PLACE CONCRETE COLUMN. SLOPE TOP AND PAINT "SAFETY YELLOW"
7. 6" METAL GUTTER
8. 5" METAL DOWNSPOUT
9. SPLASH BLOCK
10. 6" CONCRETE CURB
11. 8" Ø 4'-0" HIGH STD PIPE BOLLARD. FILL SOLID W/ 3,000 PSI CONCRETE AND PAINT "SAFETY YELLOW"
12. AWNING
13. FROST PROOF YARD HYDRANT



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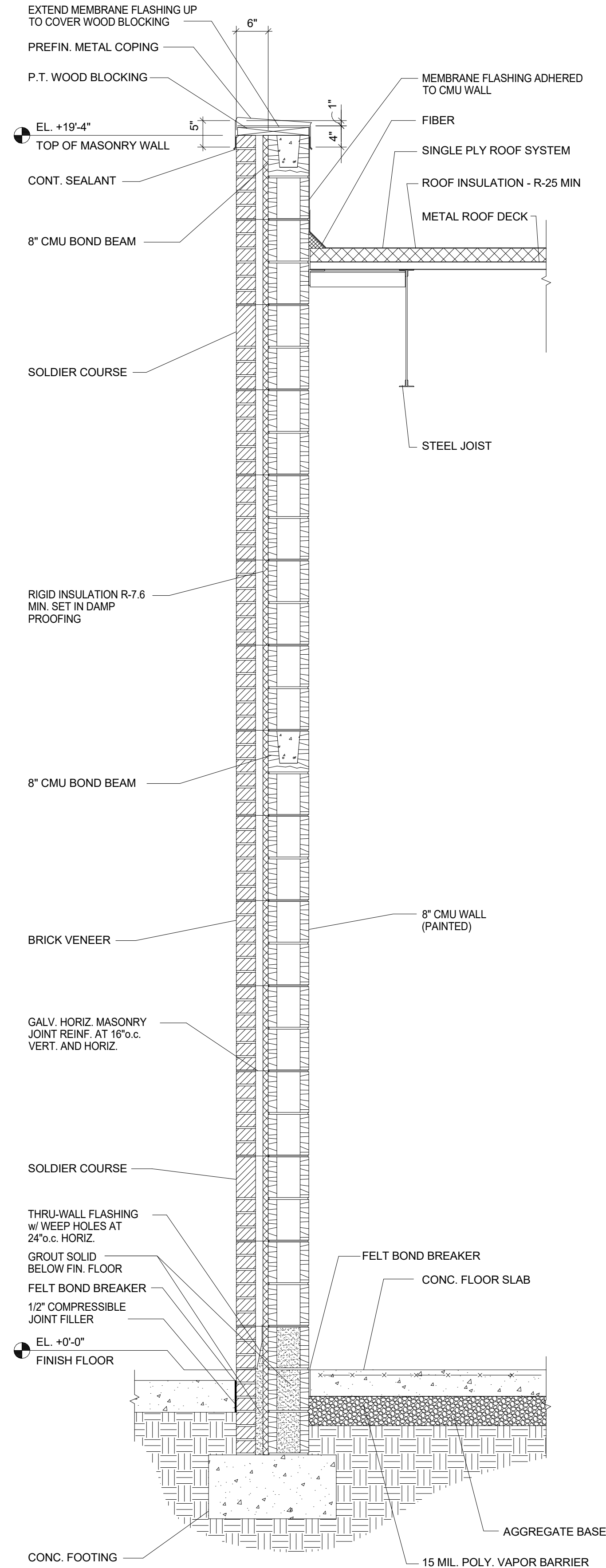
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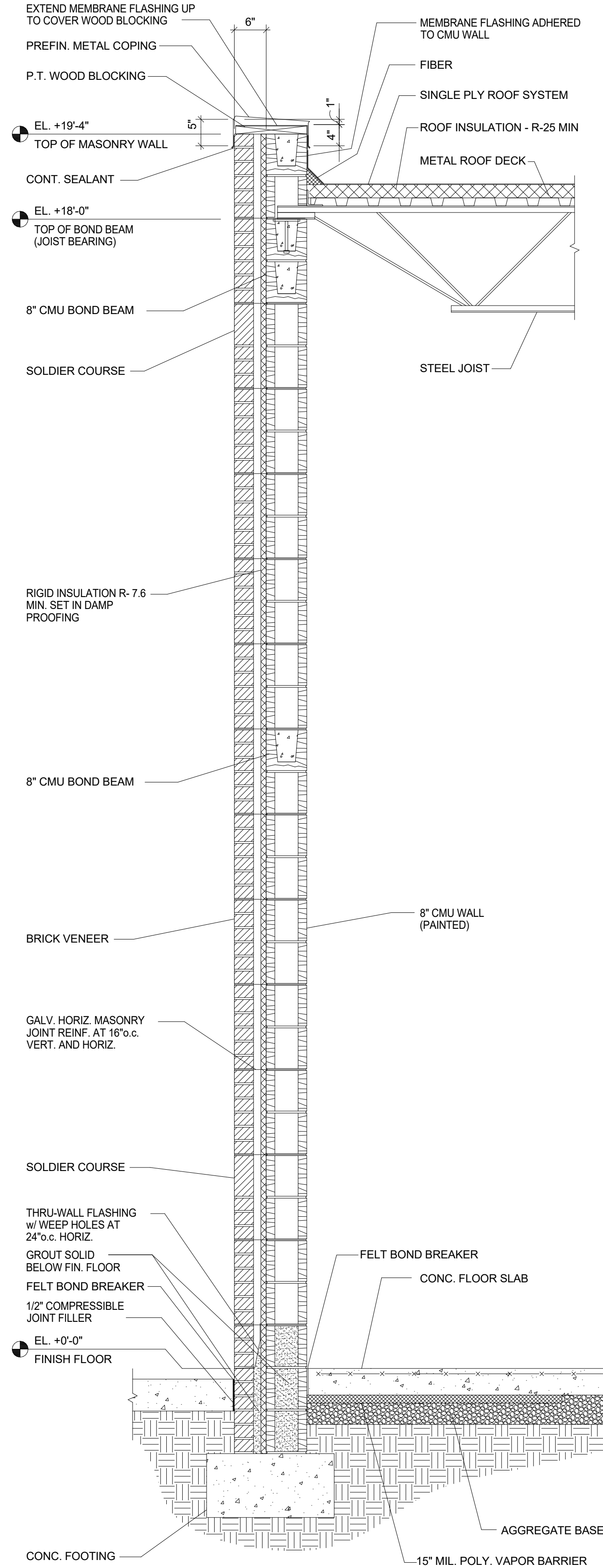
DEWATERING
BUILDING -
ELEVATIONS

A-723

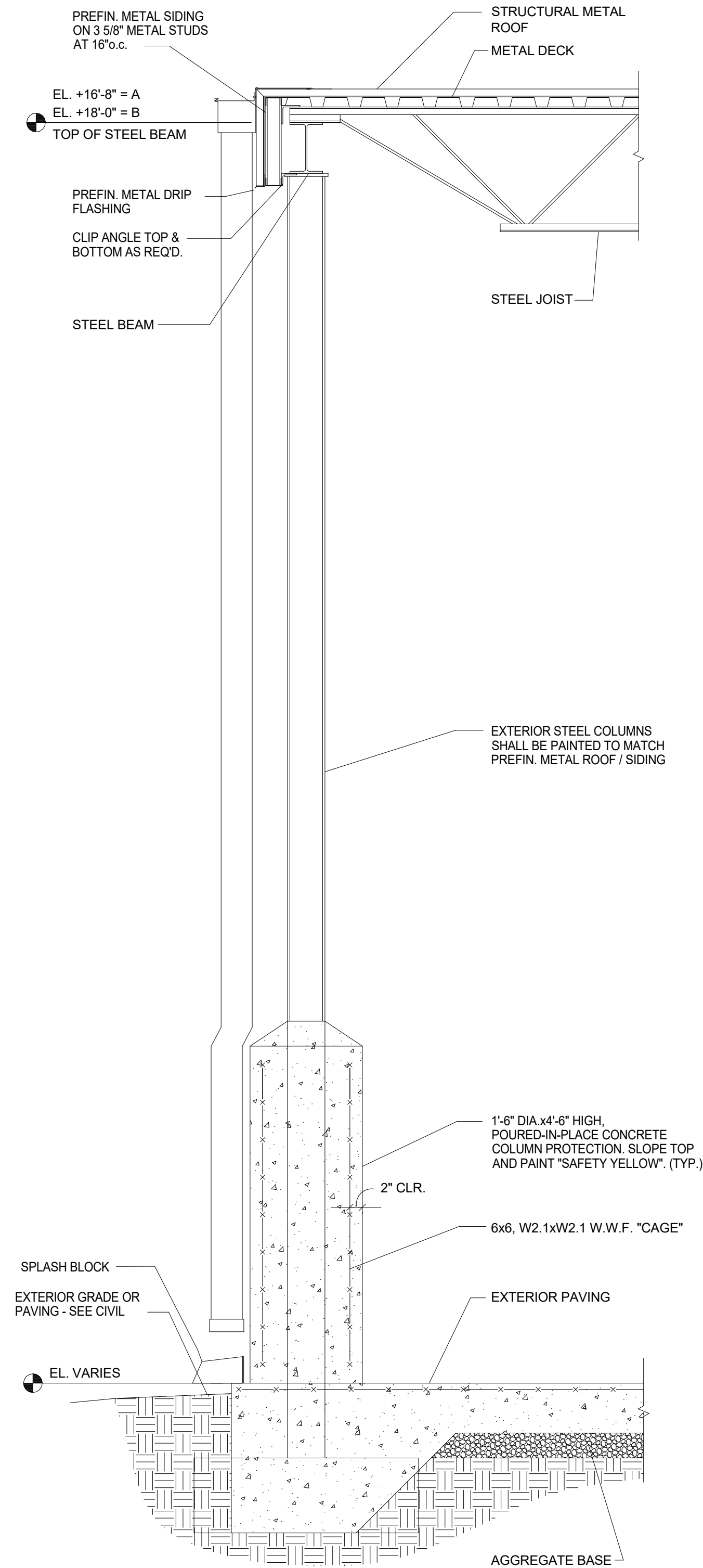
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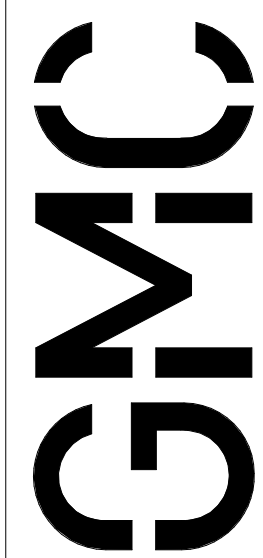
A WALL SECTION
A-721 SCALE: 3/4" = 1'-0"



B WALL SECTION
A-721 SCALE: 3/4" = 1'-0"



C WALL SECTION
A-721 SCALE: 3/4" = 1'-0"



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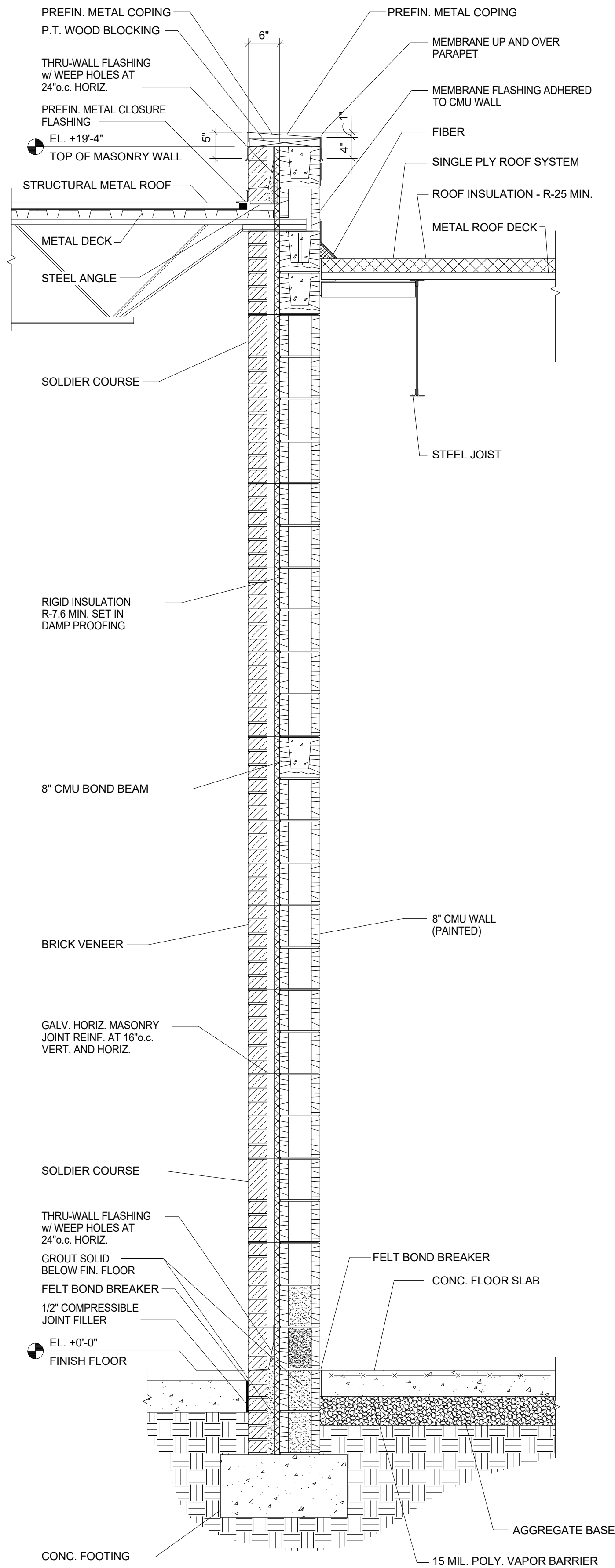
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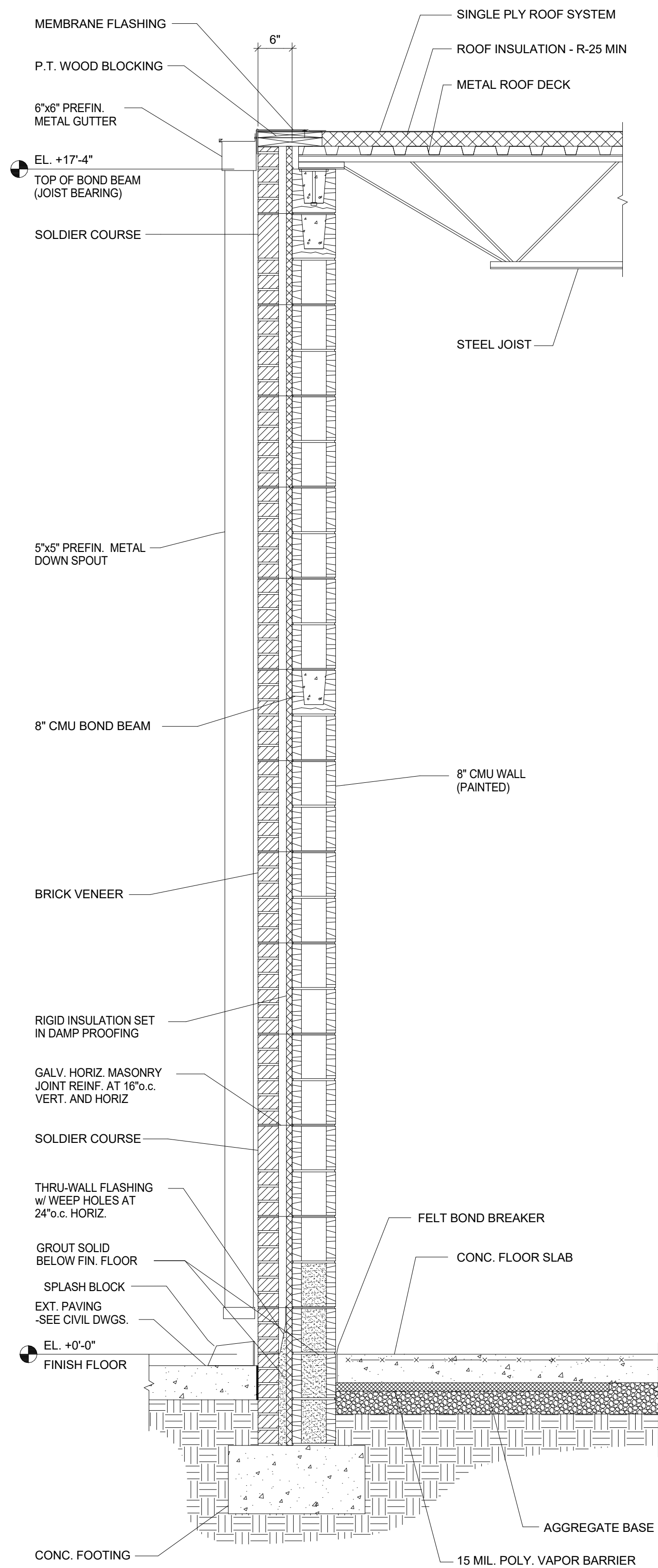
DEWATERING
BUILDING - WALL
SECTIONS

A-724

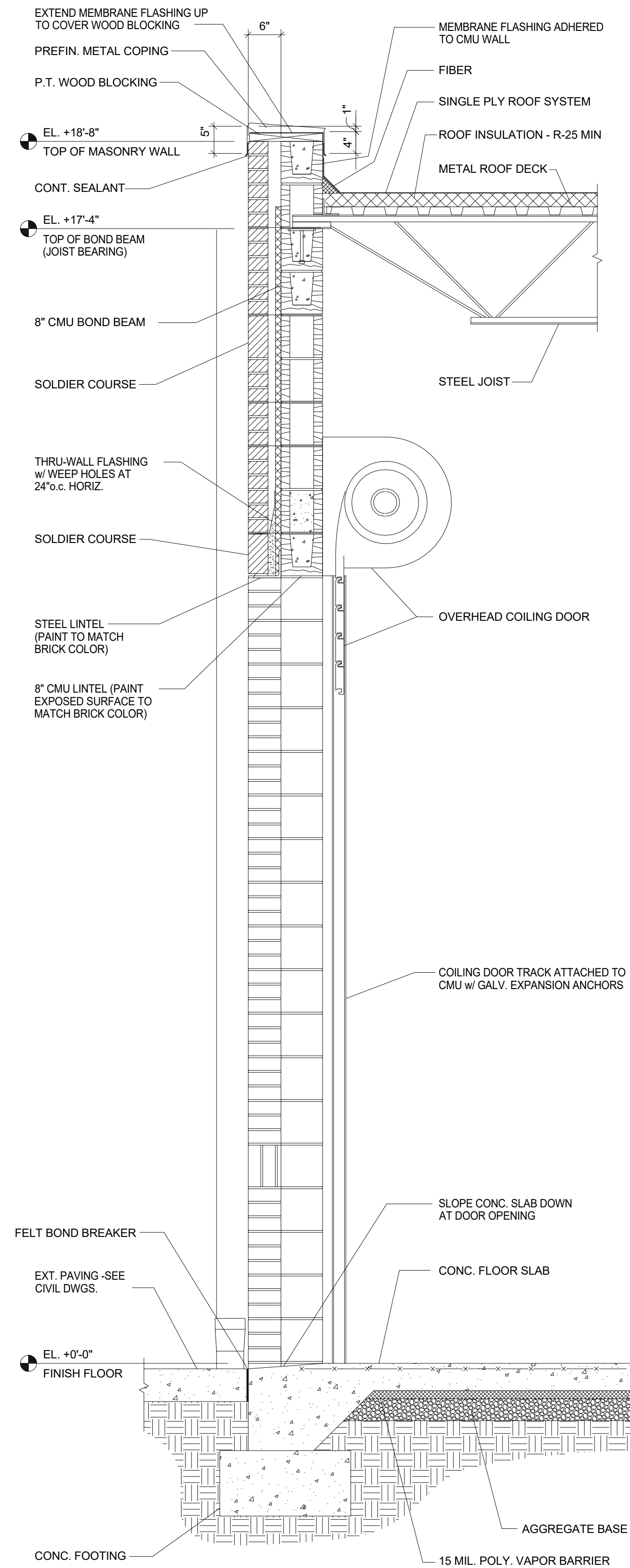
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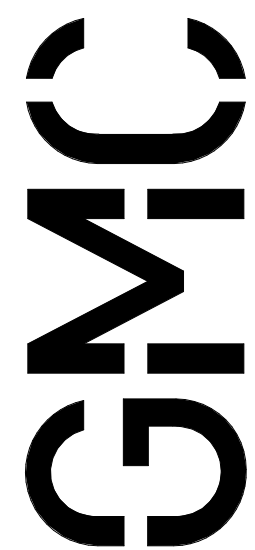
D WALL SECTION
A-721 SCALE: 3/4" = 1'-0"



E WALL SECTION
A-721 SCALE: 3/4" = 1'-0"



F WALL SECTION
A-721 SCALE: 3/4" = 1'-0"



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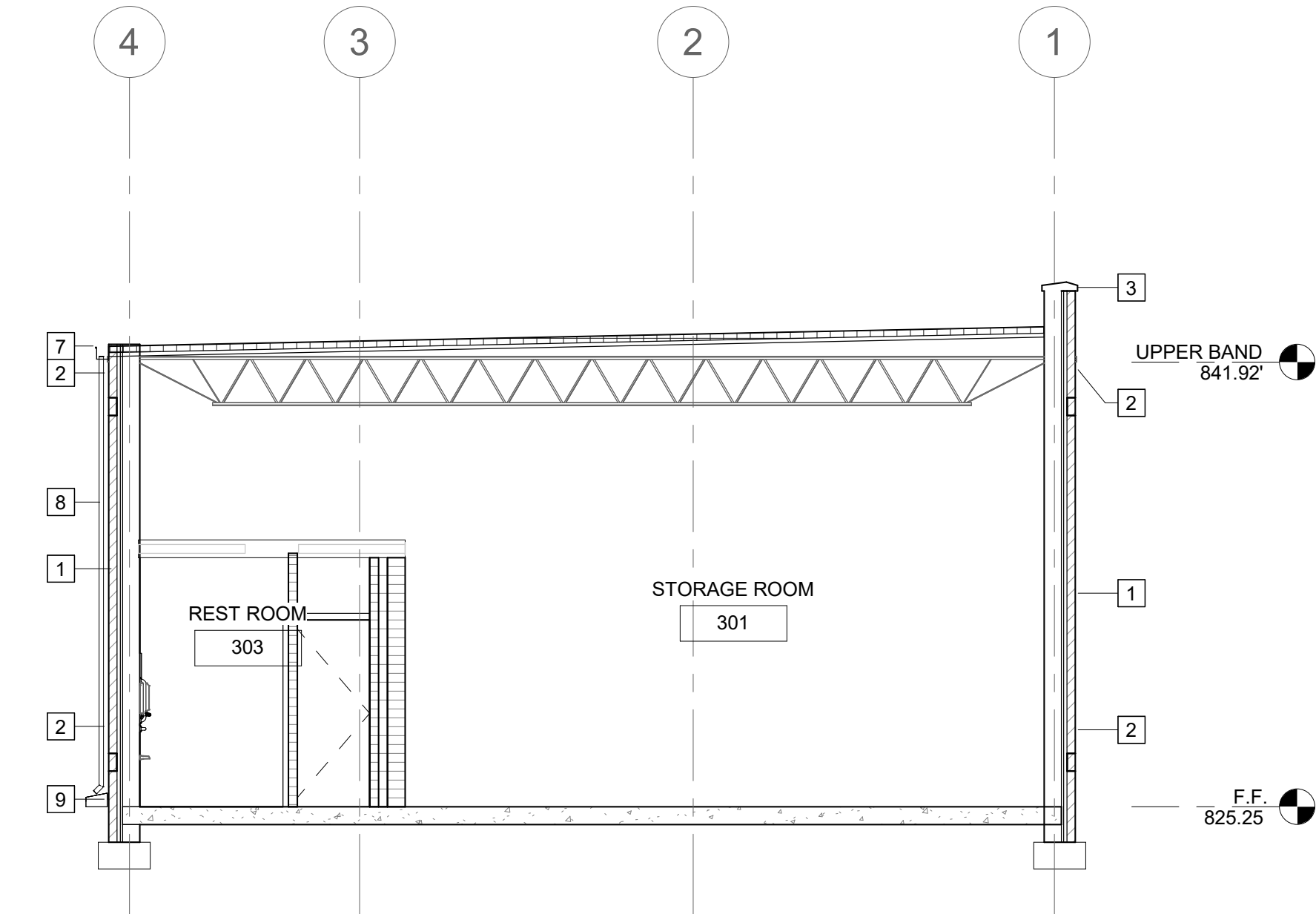
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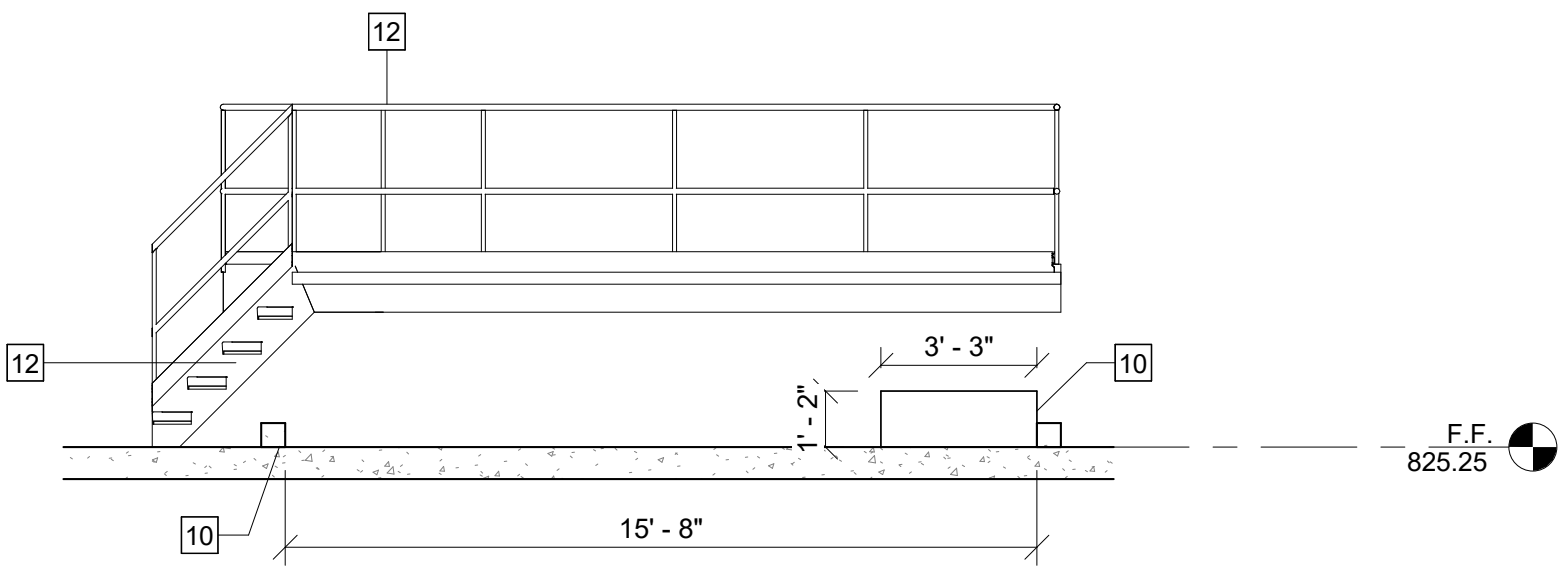
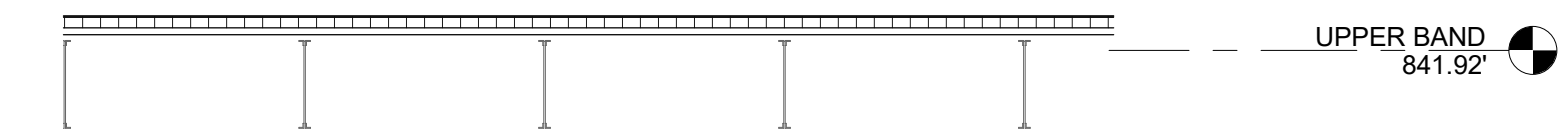
DEWATERING
BUILDING - WALL
SECTIONS

A-725

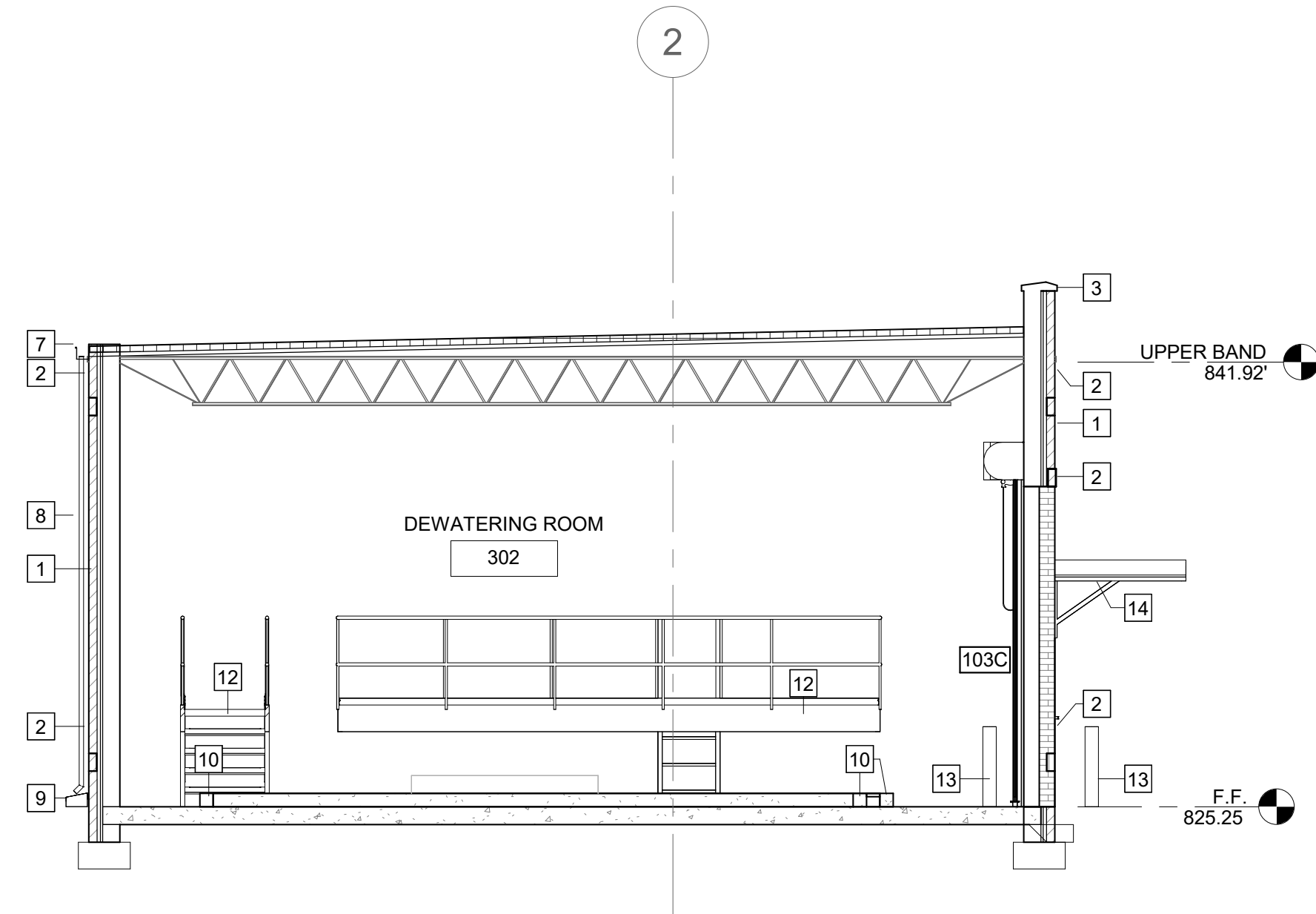
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A SECTION
A-721 SCALE: 3/16" = 1'-0"



C SECTION
A-721 SCALE: 1/4" = 1'-0"



B SECTION
A-721 SCALE: 3/16" = 1'-0"

- KEY NOTES:** #
1. BRICK VENEER
 2. SOLDIER COURSE BAND
 3. METAL COPING
 4. METAL SIDING
 5. METAL RAKE TRIM
 6. 1'-6" Ø 4'-6" H CAST IN PLACE CONCRETE COLUMN. SLOPE TOP AND PAINT "SAFETY YELLOW"
 7. 6" METAL GUTTER
 8. 5" METAL DOWNSPOUT
 9. SPLASH BLOCK
 10. 6" CONCRETE CURB
 11. ALUMINUM STAIRS
 12. ALUMINUM PLATFORM
 13. 8" Ø 4'-0" HIGH STD PIPE BOLLARD. FILL SOLID W/ 3,000 PSI CONCRETE AND PAINT "SAFETY YELLOW"
 14. AWNING

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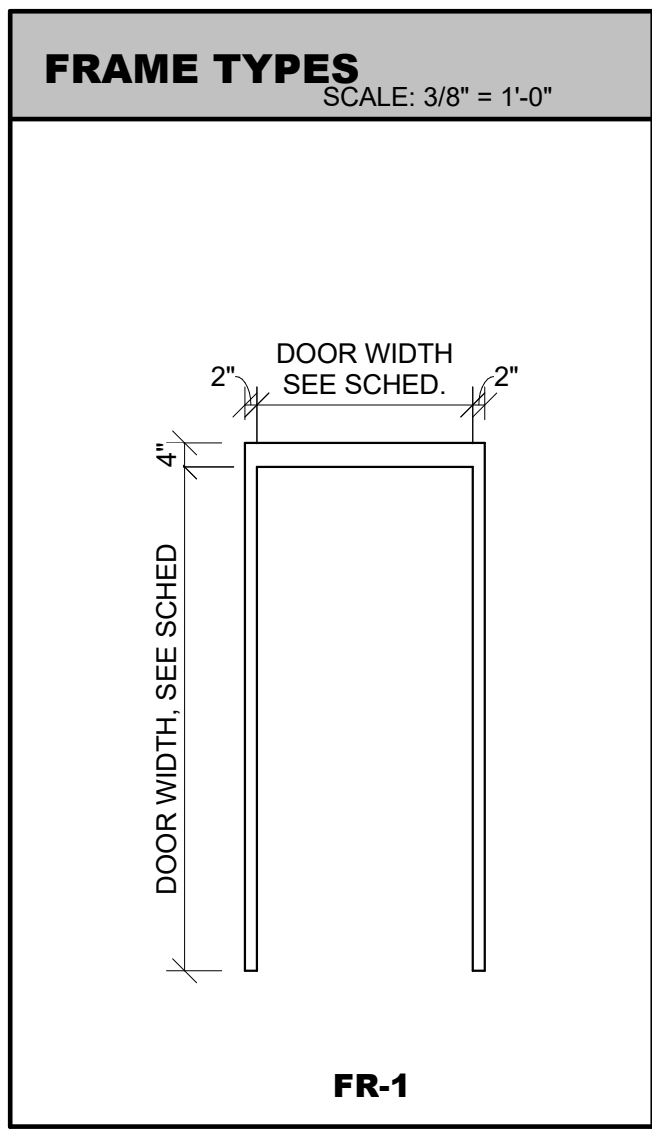
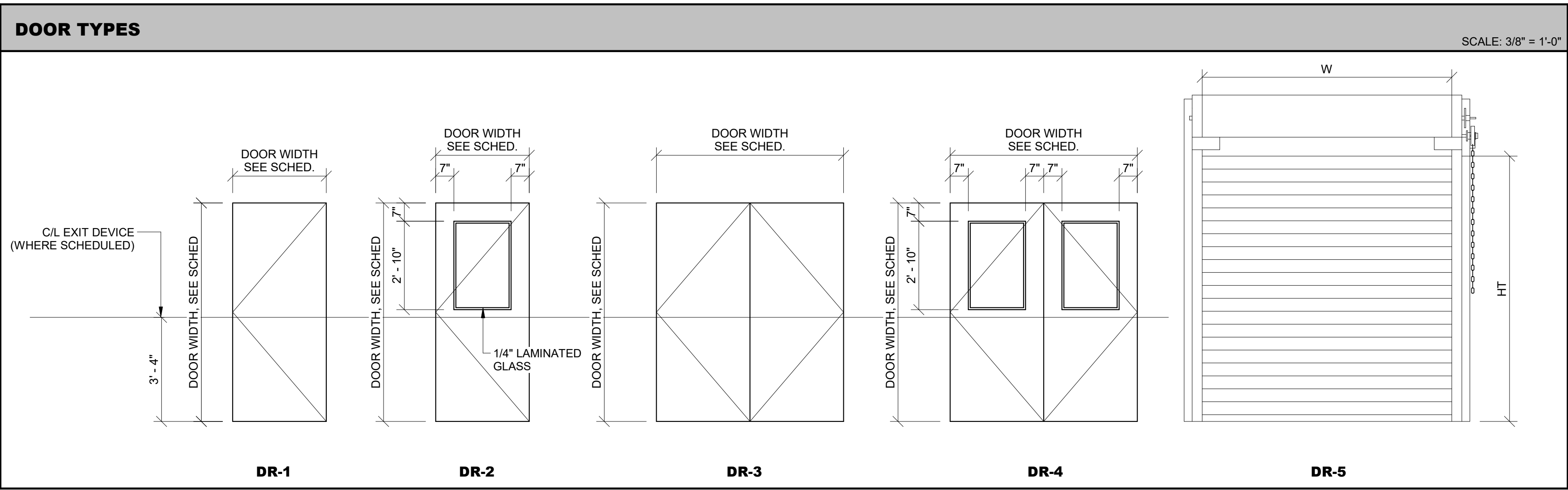
DEWATERING
BUILDING - SECTIONS

A-726

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ROOM SCHEDULE															
ROOM #	ROOM NAME	FLOOR		BASE	WALLS								CEILINGS		COMMENTS
		MATERIAL	FINISH		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		MATERIAL	CEILING HT.	
301	STORAGE ROOM	CONC.	EPOXY PAINT	VINYL	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXP. STR.		
302	DEWATERING ROOM	CONC.	SEALED	VINYL	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXP. STR.		
303	REST ROOM	CONC.	EPOXY PAINT	VINYL	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	ACT	9'-6"	

DOOR SCHEDULE										
DOOR #	DOOR				FRAMES					COMMENTS
	SIZE		TYPE	MATERIAL	TYPE	MATERIAL	DETAILS			
	WIDTH	HEIGHT					HEAD	JAMB	SILL	
101A	3' - 0"	7' - 0"	DR-2	H.M.	FR-1	H.M.	C/A-728	D/A-728	G/A-728	
101B	6' - 0"	7' - 0"	DR-4	H.M.	FR-1	H.M.	C/A-728	D/A-728	G/A-728	
101C	12' - 0"	12' - 0"	DR-5	GALV. STL.	-	STEEL	-	-	-	
101D	6' - 0"	7' - 0"	DR-4	H.M.	FR-1	H.M.	E/A-728	F/A-728	G/A-728	
102A	3' - 0"	7' - 0"	DR-2	H.M.	FR-1	H.M.	E/A-728	F/A-728	G/A-728	
103A	12' - 0"	12' - 0"	DR-5	GALV. STL.	-	STEEL	-	-	-	
103B	3' - 0"	7' - 0"	DR-2	H.M.	FR-1	H.M.	C/A-728	D/A-728	G/A-728	
103C	12' - 0"	12' - 0"	DR-5	GALV. STL.	-	STEEL	-	-	-	
103D	3' - 0"	7' - 0"	DR-2	H.M.	FR-1	H.M.	C/A-728	D/A-728	G/A-728	



DEWATERING
BUILDING -
SCHEDULES

A-727

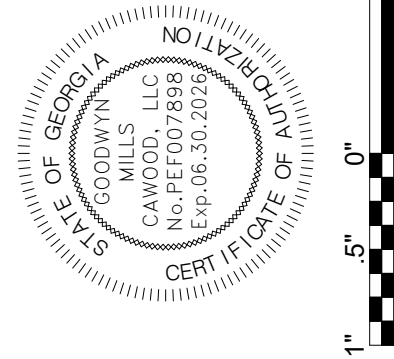
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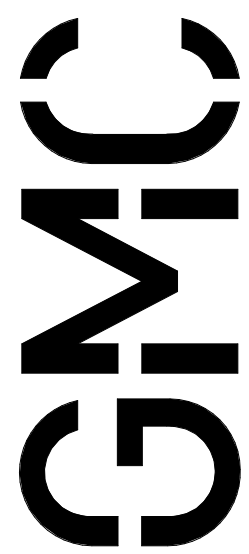
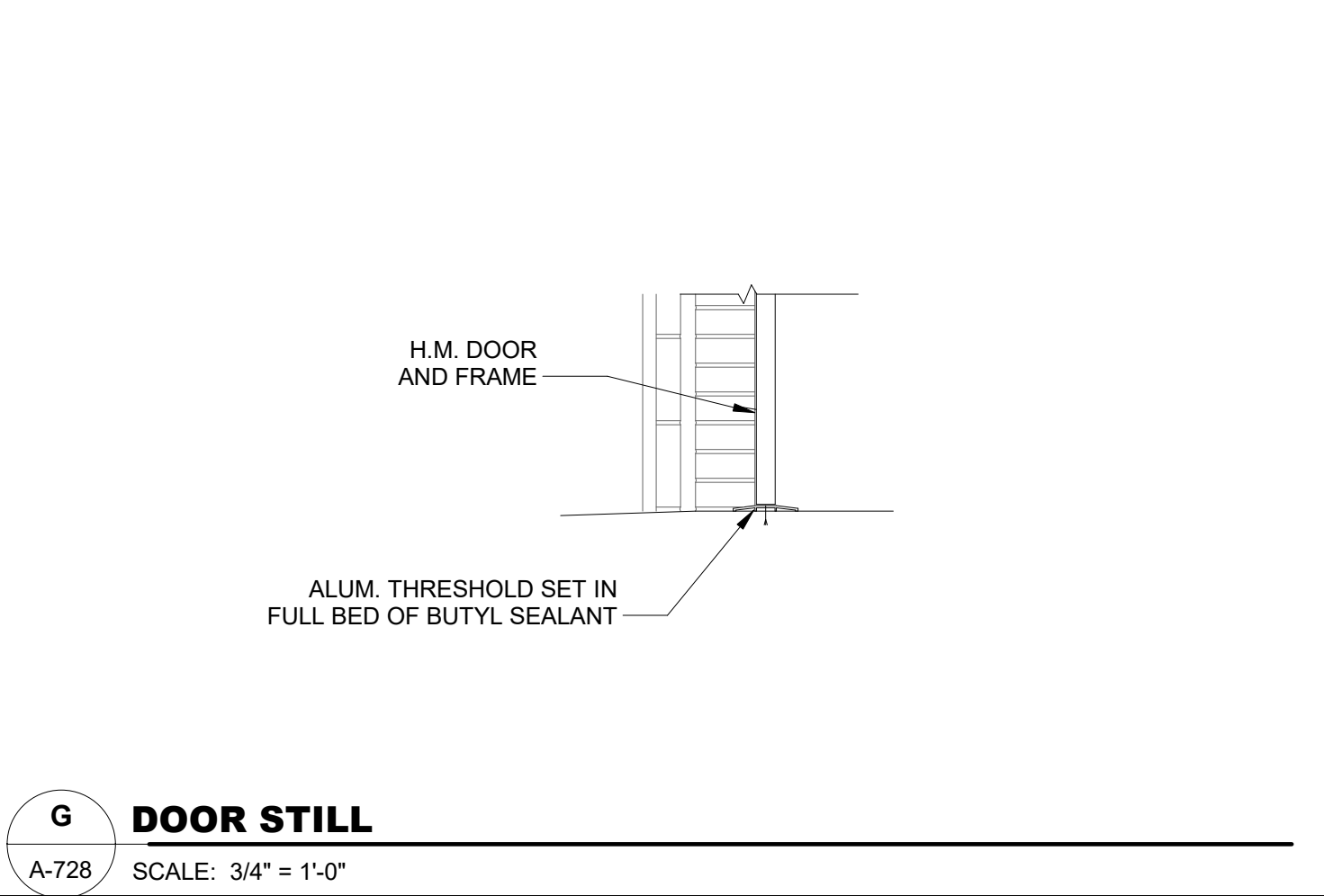
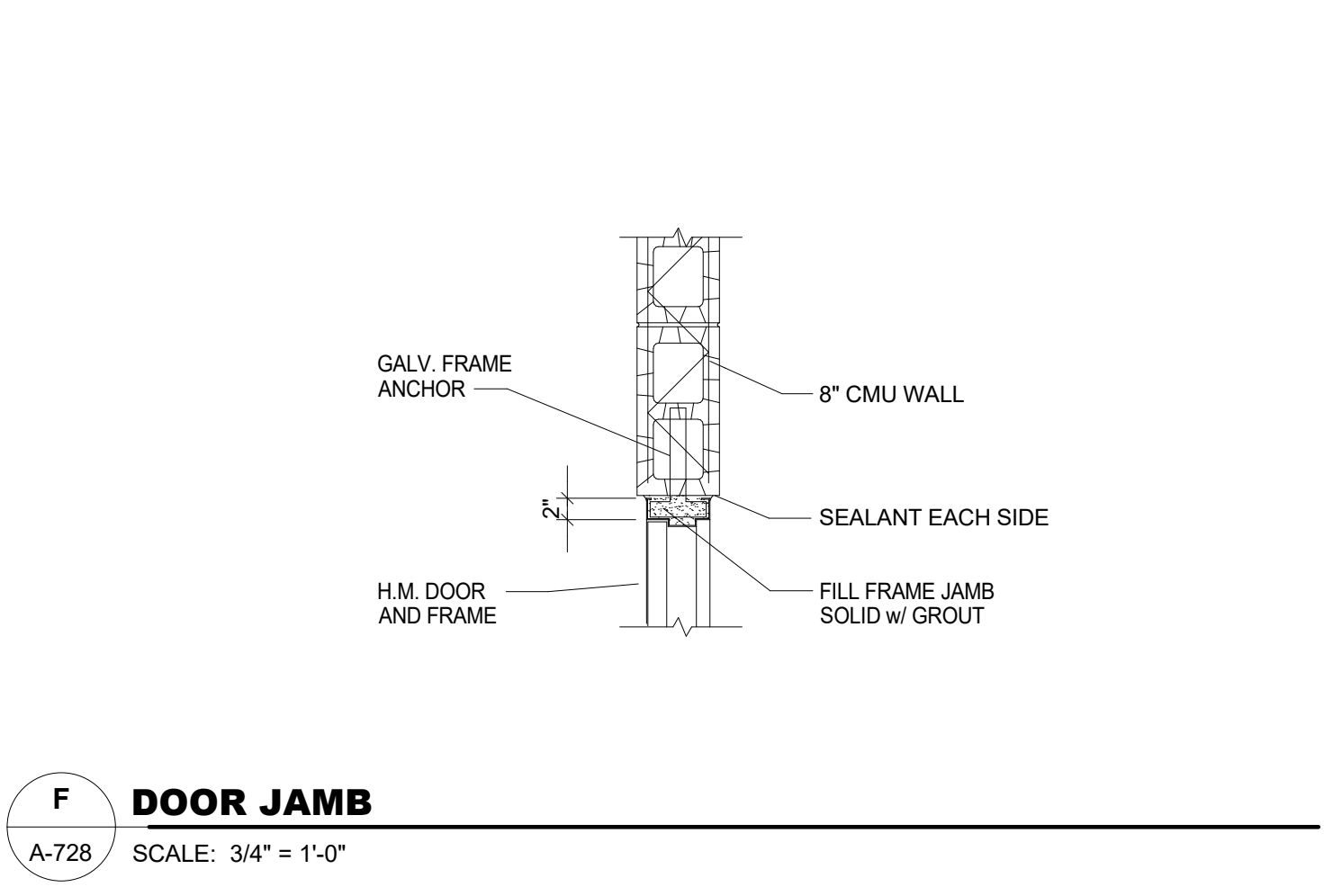
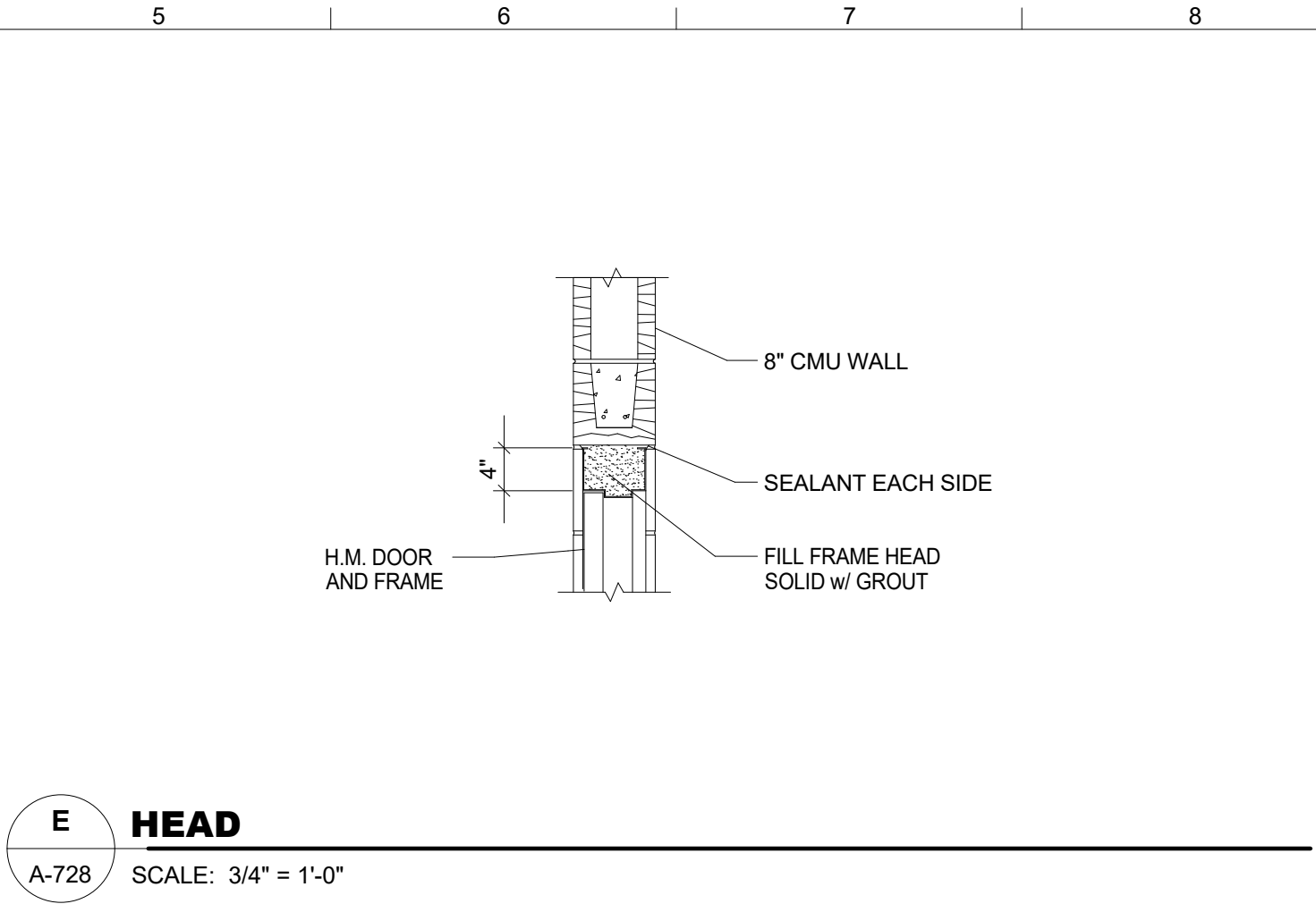
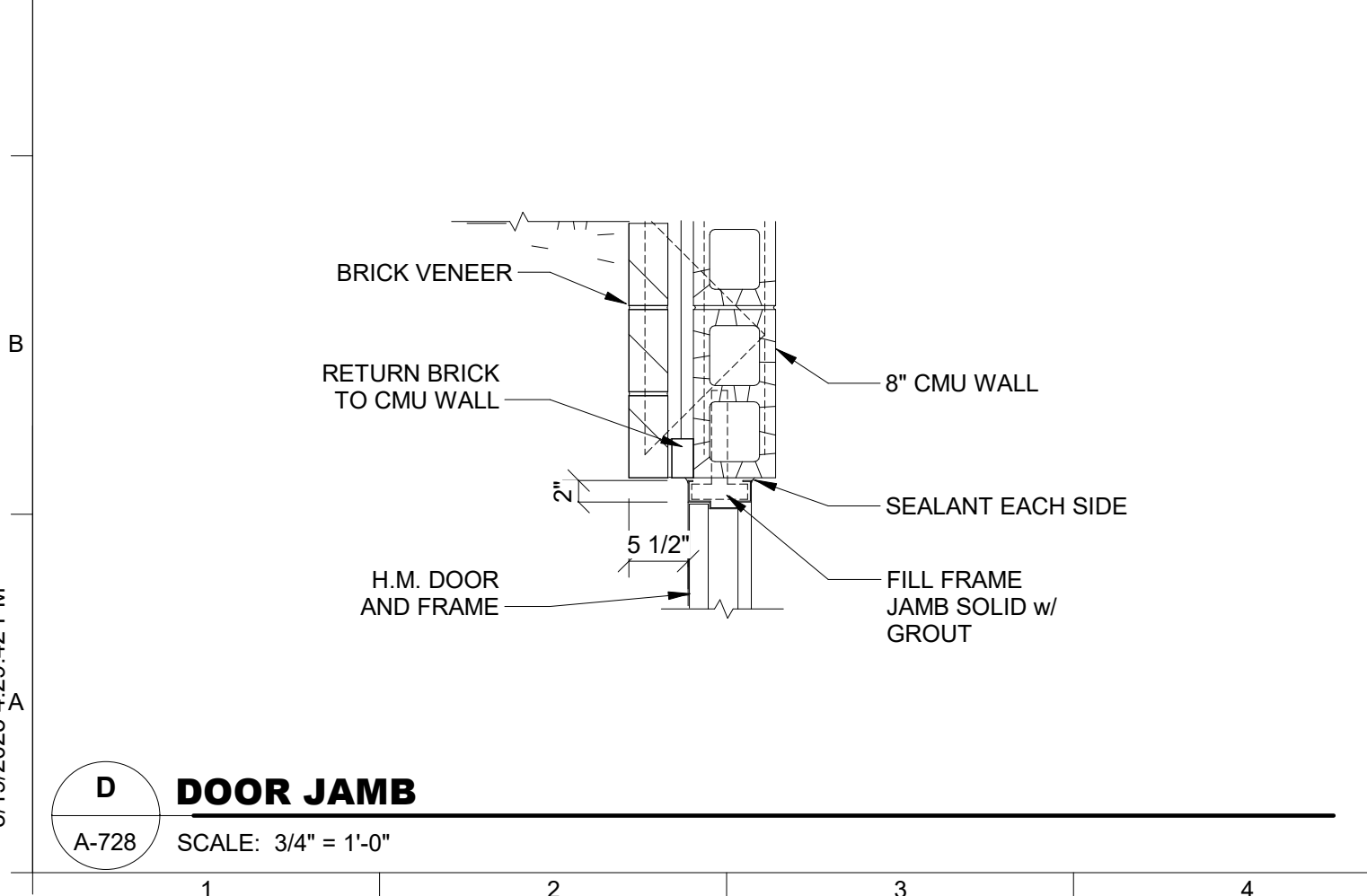
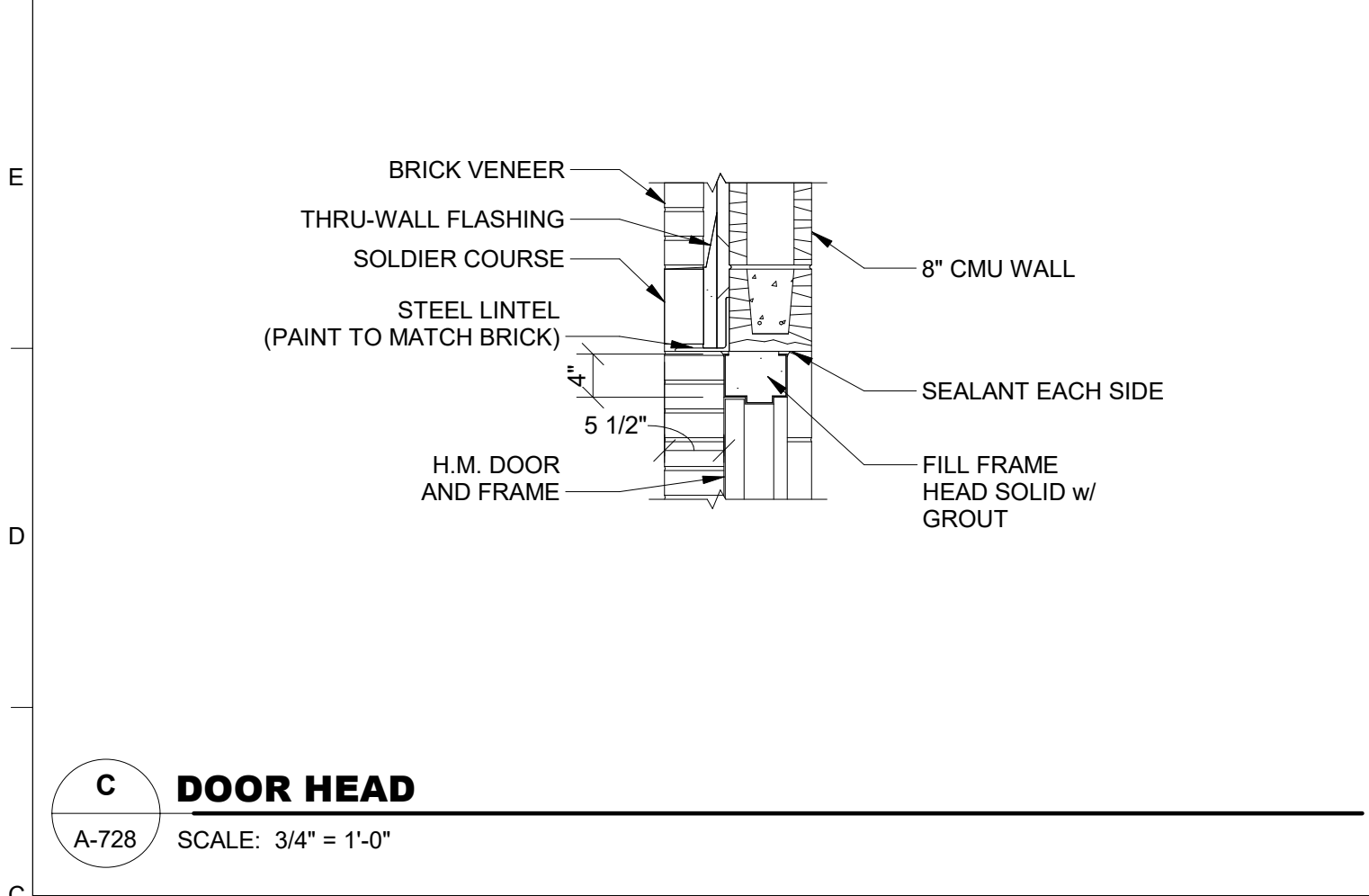
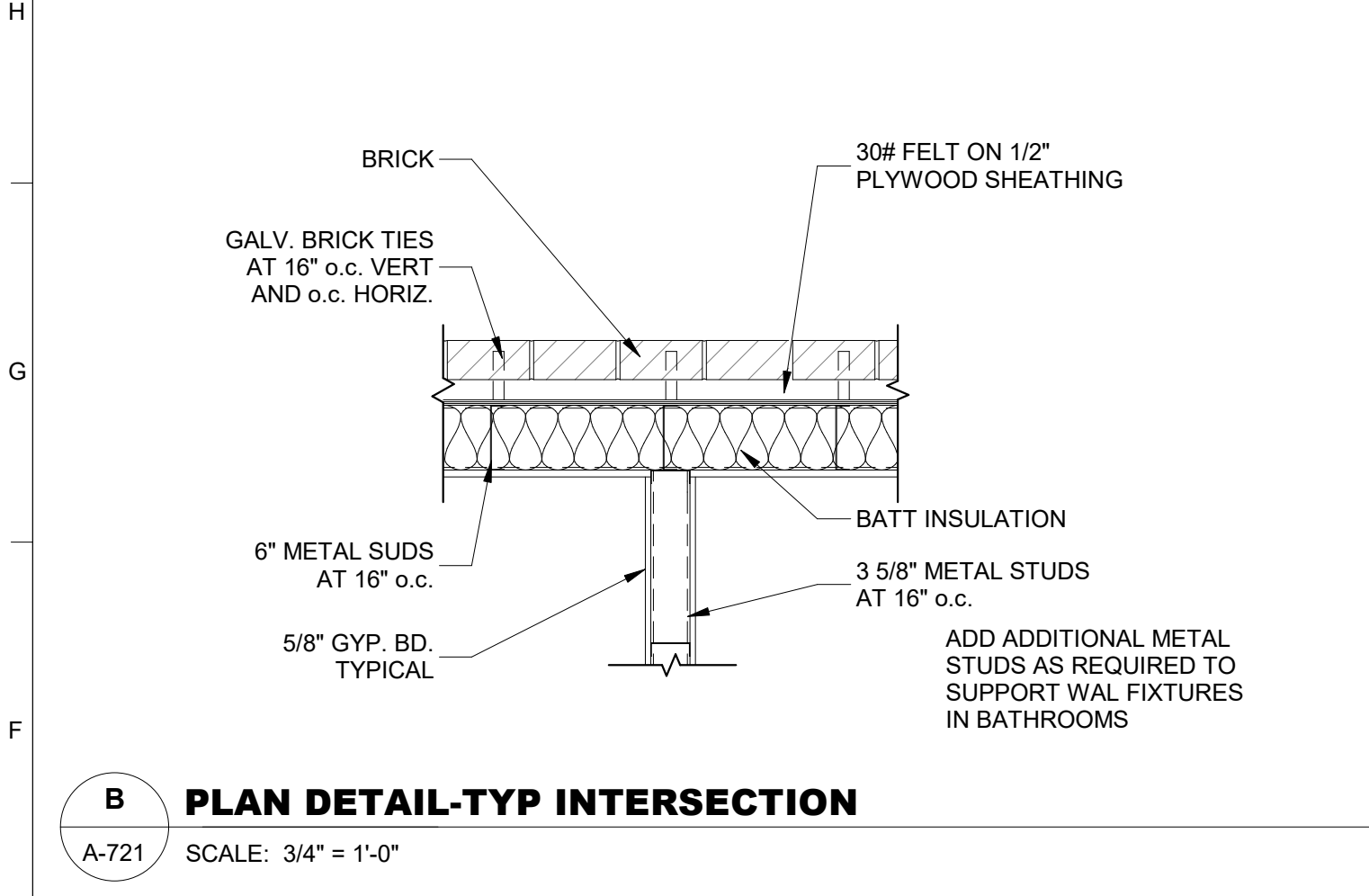
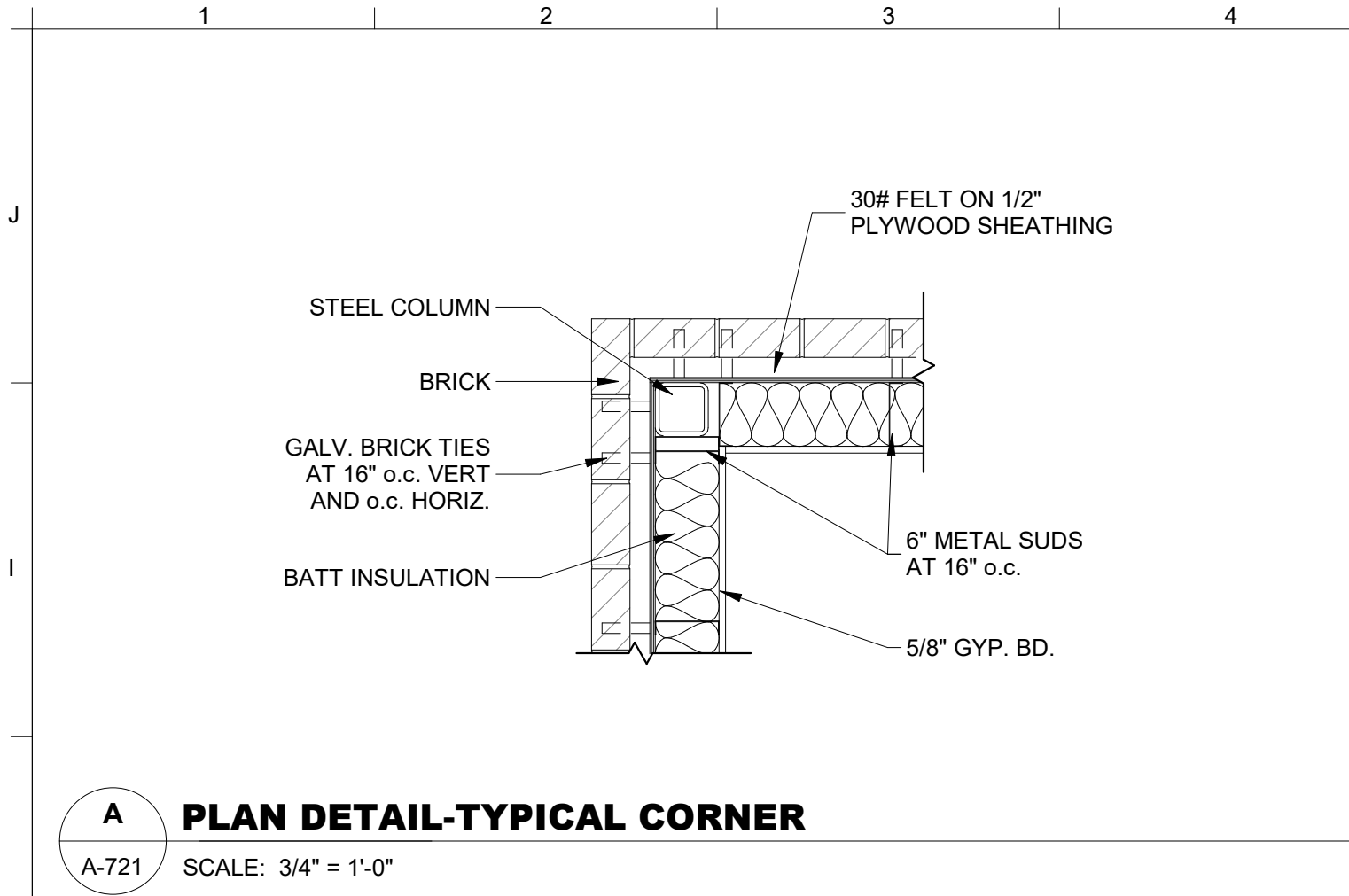
Project Manager:	CW
Engineer:	GS
Designer:	GS
Drawn By:	



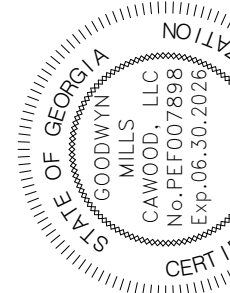
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DEWATERING
BUILDING - DETAILS

A-728