

OPTIMIST POOL BATHHOUSE REPAIRS

OWNER

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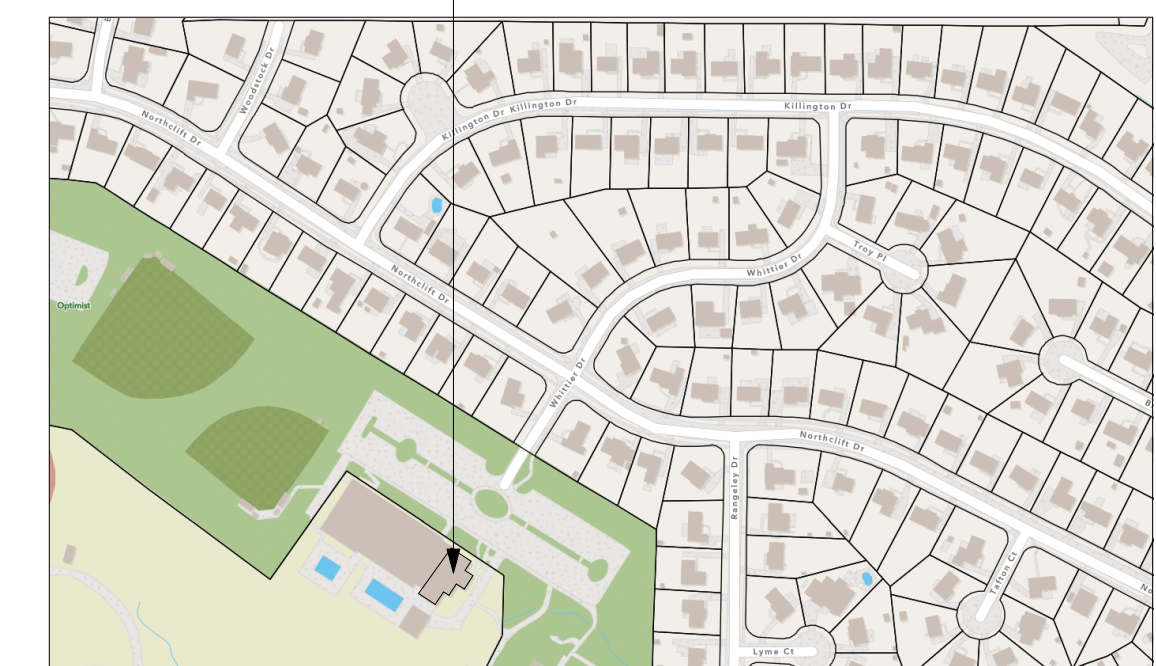
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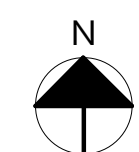
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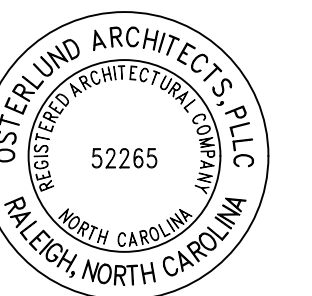
PROJECT LOCATION



9A LOCATION MAP
NTS



SEALS:



01/26/2024

ISSUE: CONSTRUCTION
DATE: 1/26/2024
DRAWN BY: SNC
REVISIONS:

COVER

G000

G

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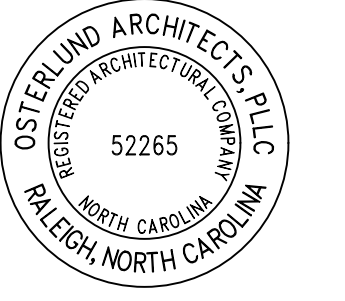
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01/26/2024

ISSUE: CONSTRUCTION DATE: 1/26/2024 DRAWN BY: KO REVISIONS:

Table with 2 columns: REVISIONS, DATE. Row 1: 1 PERMIT COMMENTS 01/19/2024

EXISTING-NO CHANGE

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (STRUCTURAL DESIGN) (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS: Importance Factors: Snow (S), Seismic (S), Live Loads: Roof, Mezzanine, Floor, Ground Snow Load, Wind Load: Ultimate Wind Speed, Exposure Category

SEISMIC DESIGN CATEGORY: Risk Category, Spectral Response Acceleration, Site Classification, Data Source, Basic structural system, Analysis Procedure, Architectural, Mechanical, Components anchored?

LATERAL DESIGN CONTROL: SOIL BEARING CAPACITIES: Select one, Pile size, type, and capacity

2018 NC Administrative Code and Policies Revised 6/15/2020

EXISTING-NO CHANGE

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (MECHANICAL DESIGN) (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY: Thermal Zone: winter dry bulb, summer dry bulb, Interior design conditions: winter dry bulb, summer dry bulb, relative humidity, Building heating load, Building cooling load, Mechanical Spacing Conditioning System: Unit: description of unit, heating efficiency, cooling efficiency, size category of unit, Boiler: Size category, Chiller: Size category, List equipment efficiencies

SEE ELECTRICAL SHEETS

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (ELECTRICAL DESIGN) (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY: Method of Compliance, Lighting schedule, Additional Efficiency Package Options: C606.2 More Efficient HVAC Equipment Performance, C606.3 Reduced Lighting Power Density, C606.4 Enhanced Digital Lighting Controls, C606.5 On-Site Renewable Energy, C606.6 Dedicated Outdoor Air System, C606.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies Revised 6/15/2020

PERCENTAGE OF WALL OPENING CALCULATIONS: Table with columns: FIRE SEPARATION DISTANCE, DEGREE OF OPENING PROTECTION, ALLOWABLE AREA, ACTUAL OPENING AREA

LIFE SAFETY SYSTEM REQUIREMENTS: Emergency Lighting, Exit Signs, Fire Alarm, Smoke Detection System, Carbon Monoxide Detection

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: Fire and/or smoke rated wall locations, Assumed and real property line locations, Exterior wall opening area, Occupancy Use for each area, Exit sign locations, Common path of travel distances, Dead end lengths, Clear exit widths, Maximum calculated occupant load capacity, Actual occupant load for each exit door, A separate schematic plan, Location of doors with panic hardware, Location of doors with delayed egress locks, Location of doors with electromagnetic egress locks, Location of doors equipped with hold-open devices, Location of emergency escape windows, The square footage of each fire area, The square footage of each smoke compartment, Note any code exceptions

ACCESSIBLE DWELLING UNITS (SECTION 1107)

Table with columns: UNIT CLASSIFICATION, TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS REQUIRED, TYPE A UNITS PROVIDED, TYPE B UNITS REQUIRED, TYPE B UNITS PROVIDED, TOTAL UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106)

Table with columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACCESSIBLE SPACES PROVIDED, # OF ACCESSIBLE SPACES REQUIRED

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

Table with columns: USE, WATER FIXTURES, SINKS, LAVATORIES, SHERMS, DRENCHING SYSTEMS, SPACE, EXIST, REQ'D

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPL, DHHS, etc., describe below)

EXISTING-NO CHANGE

ENERGY REQUIREMENTS: ENERGY SUMMARY

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: Exempt Building: Climate Zone: Method of Compliance: Thermal Envelope: Roof/ceiling Assembly: Exterior Wall: Exterior Wall below grade: Floors over unconditioned space: Floors slab on grade

2018 NC Administrative Code and Policies Revised 6/15/2020

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES) (REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLANS SHEET 1 or 2)

Name of Project: Optimist Pool Bathroom Repairs, Address: 5902 Whittier Drive, Raleigh, NC, Zip Code: 27609, Owner/Authorized Agent: Carlos Reyes, Phone: (919) 996-4781, E-Mail: carlos.reyes@osterlund.com, Owned By: City, Code Enforcement Jurisdiction: City

CONTACT: DESIGNER: Osterlund Architects, PLLC, NAME: Kristen Osterlund, ARCHITECT: Ebon Smith, ELECTRICAL: Ebon Smith, FIRE ALARM: Ebon Smith, PLUMBING: Ebon Smith, MECHANICAL: Ebon Smith, SPRINKLER-SMUDGE: NONE, STRUCTURAL: NONE, RETAINING WALLS > 9' HIGH: NONE, OTHER: Interior Design: Ashley Sessions

2018 NC BUILDING CODE: 2018 NC EXISTING BUILDING CODE: CONSTRUCTED: RENOVATED: RISK CATEGORY: 2018 NC Administrative Code and Policies Revised 6/15/2020

BASIC BUILDING DATA: Construction Type: II-B, Sprinklers: NFPA 13, Standpipes: No, Primary Fire District: No, Flood Hazard Area: No, Special Inspections Required: No

Gross Building Area Table: Table with columns: FLOOR, EXISTING (SQ FT), NEW (SQ FT), SUB-TOTAL, TOTAL, RENOVATION SQ FT

ALLOWABLE AREA

Primary Occupancy Classification(s): Accessory Occupancy Classification(s): Incidental Uses (Table 509): Special Uses (Chapter 4 - List Code Sections): Special Provisions (Chapter 5 - List Code Sections): Mixed Occupancy: Actual Area of Occupancy A, Allowable Area of Occupancy A, Actual Area of Occupancy B, Allowable Area of Occupancy B

Table with columns: STORY NO., DESCRIPTION AND USE, BLDG AREA PER STORY (ACTUAL) AREA, BLDG AREA PER STORY (TABLE 506.2) AREA, AREA FOR PROTRUSION INCREASE, ALLOWABLE AREA PER STORY OR UNLIMITED

1 Frontage area increases from Section 506.3 are computed thus: a. Perimeter which fronts a public way or open space having 20 feet minimum width = 846 (F) b. Total Building Perimeter = 887 (P) c. Ratio (F/P) = 0.95 (F/P) d. W = Minimum width of public way = 30 (W) e. Percent of frontage increase = 100(F/P - 0.25) / W = 70 (%) 2 Unlimited area applicable under conditions of Section 507 3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2) 4 The maximum area of open parking garages must comply with Table 406.5.4 5 Frontage increase is based on the un sprinklered area value in Table 506.2

ALLOWABLE HEIGHT

Table with columns: BUILDING HEIGHT IN FEET (TABLE 504.3), ALLOWABLE, SHOWN ON PLANS, CODE REFERENCE

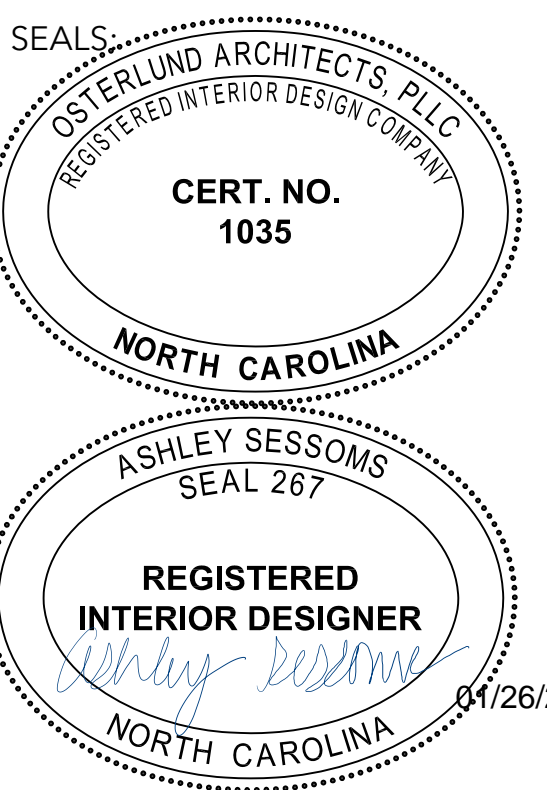
1 Provide code reference if the "shown on plans" quantity is not based on Table 504.3 or 504.4 2 The maximum height of air traffic control towers must comply with Table 412.3.1 3 The maximum height of open parking garages must comply with Table 406.5.4

FIRE PROTECTION REQUIREMENTS

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING, PROVIDED OR OTHER DESCRIPTION, DETAIL # AND SHEET #, DESIGN # FOR RATED ASSEMBLY, SHEET # FOR RATED ASSEMBLY

* Indicate section number permitting reduction

2018 NC Administrative Code and Policies Revised 6/15/2020



NO.	DESCRIPTION

GENERAL NOTES FLOOR PLANS

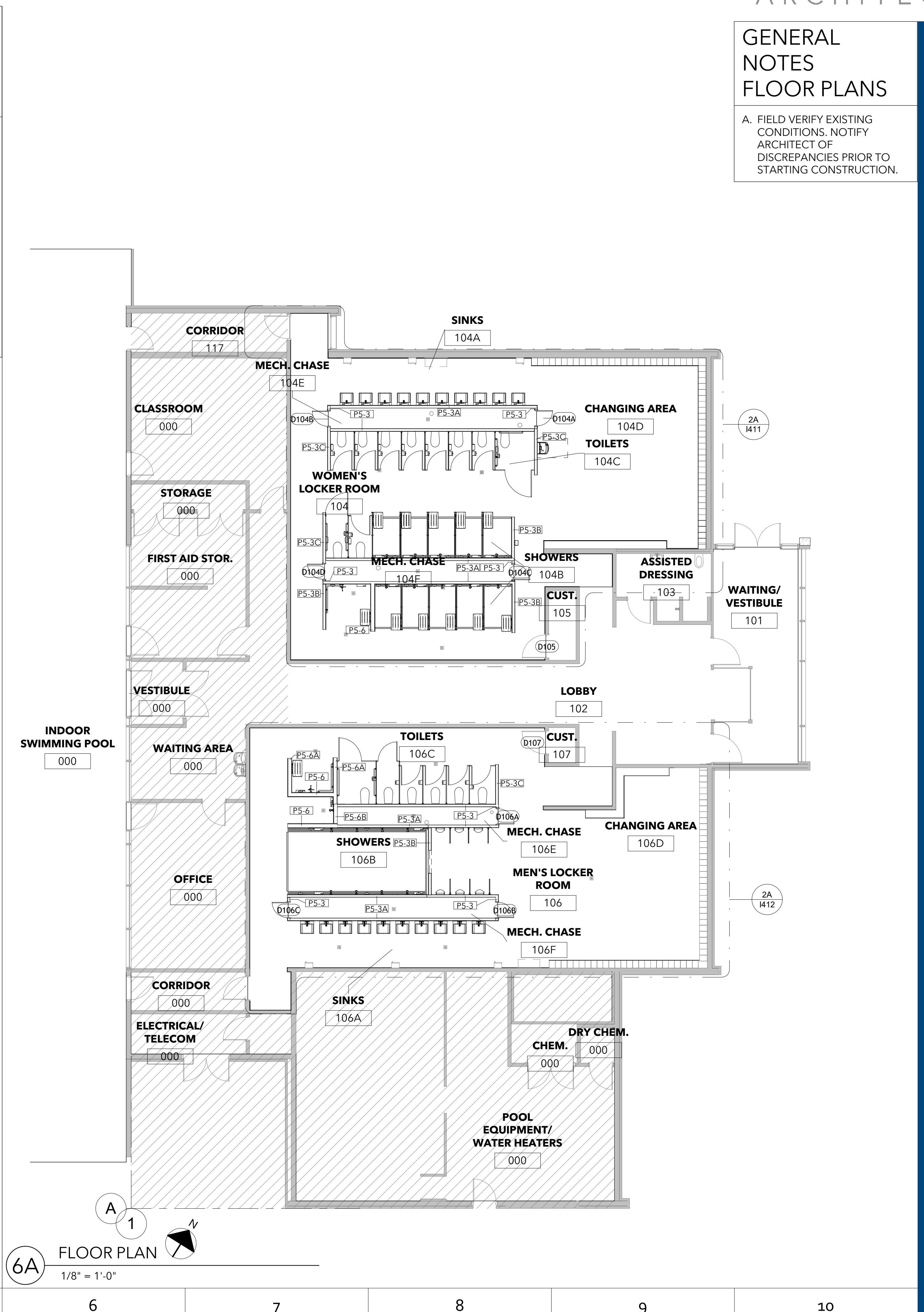
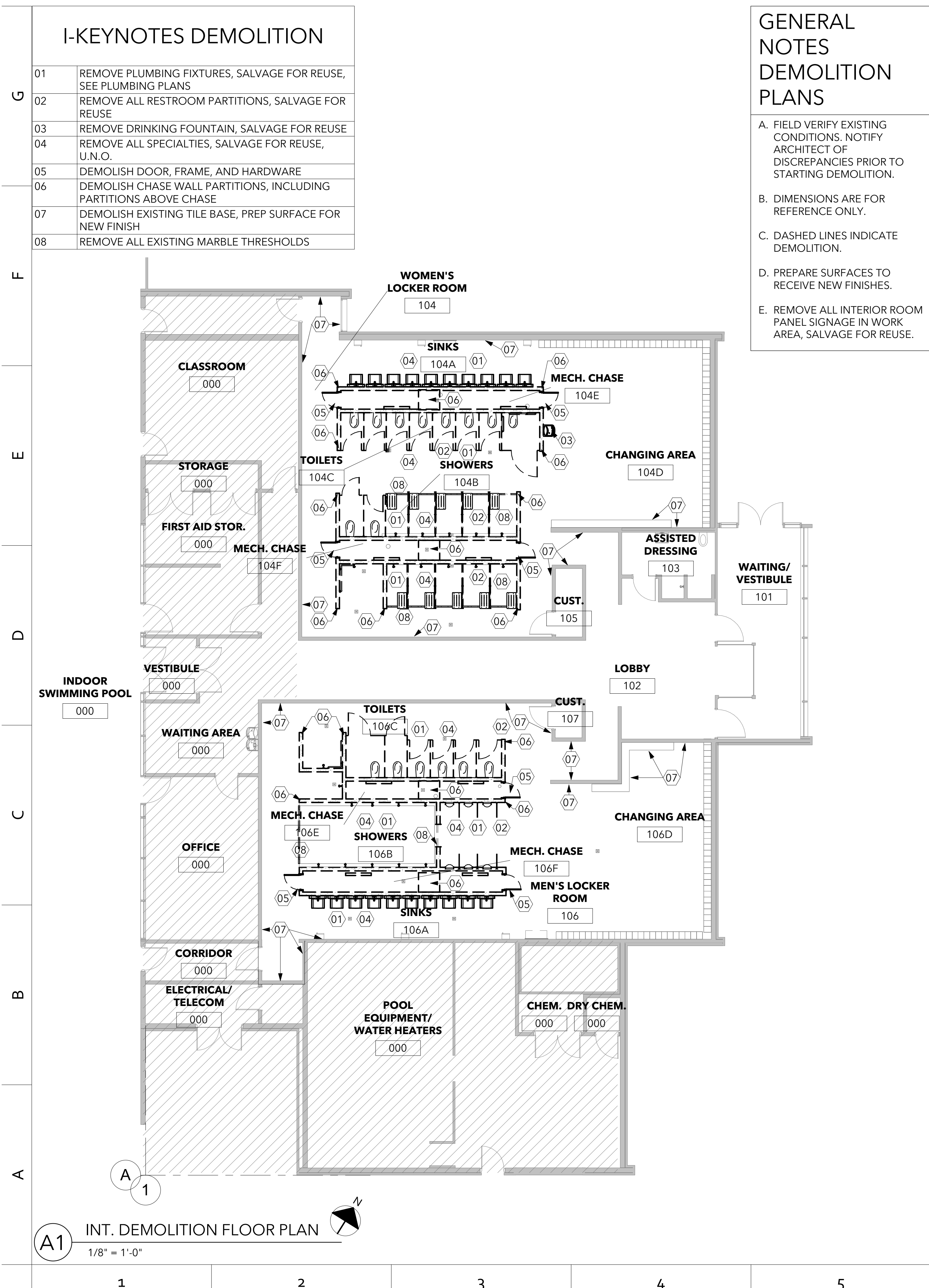
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GENERAL NOTES DEMOLITION PLANS

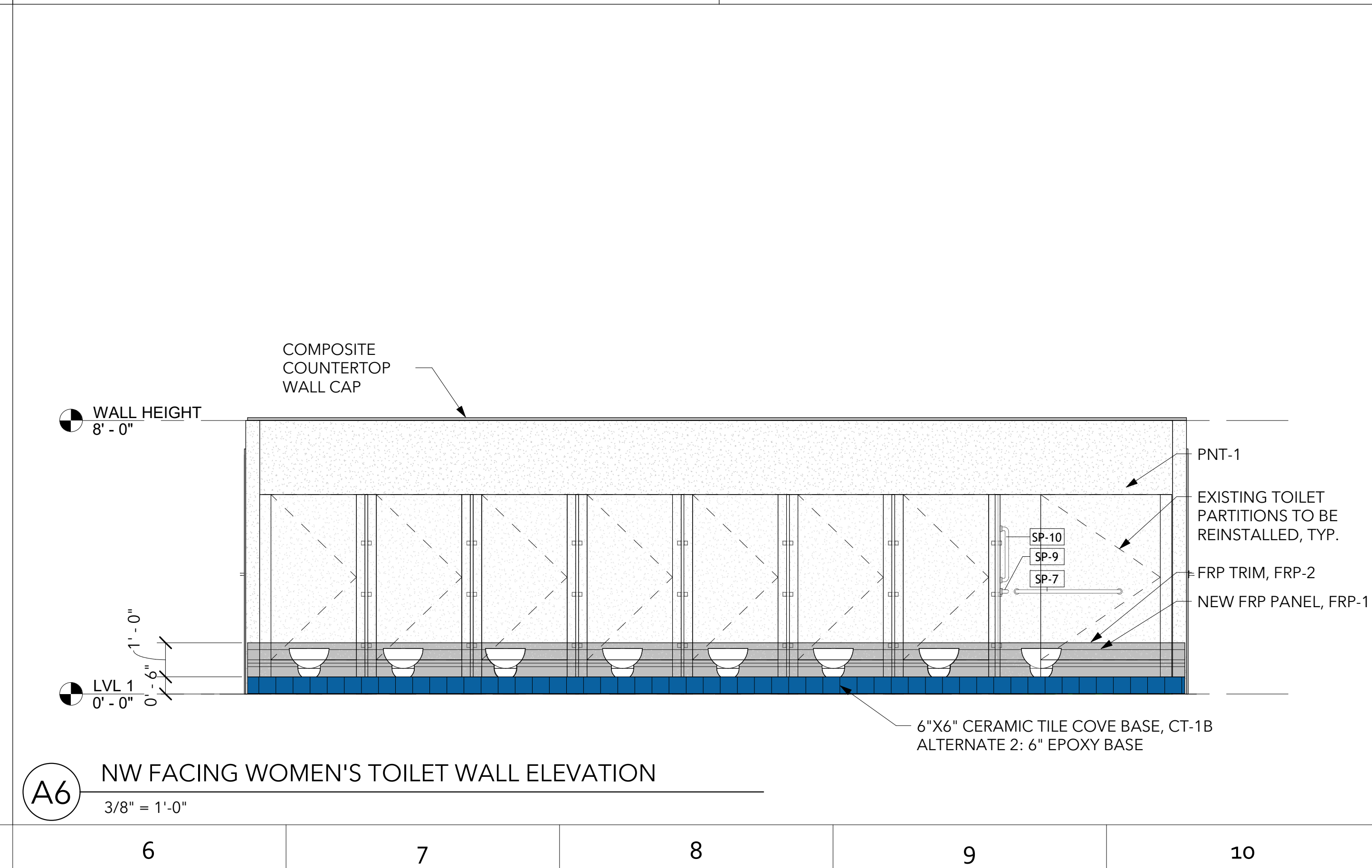
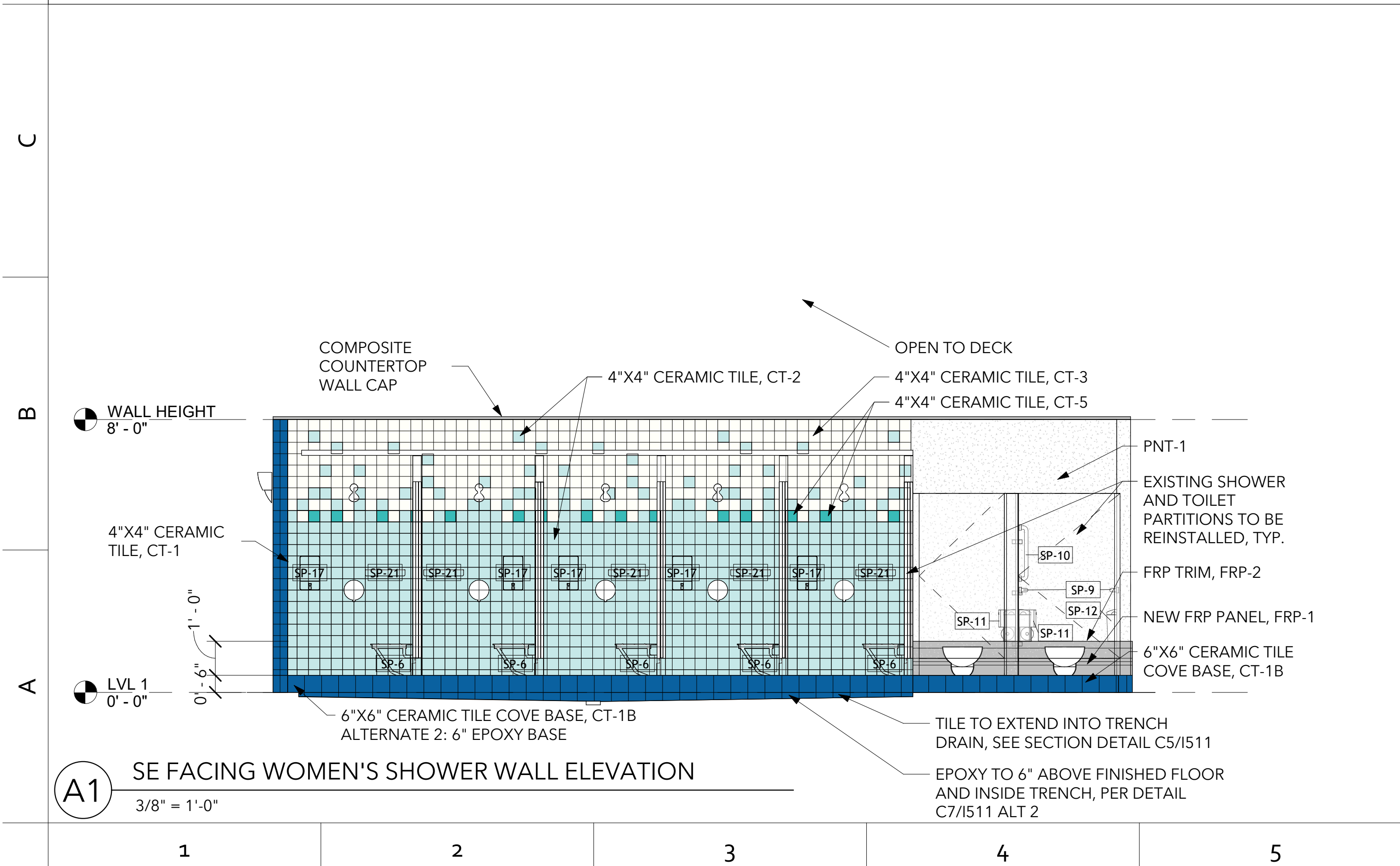
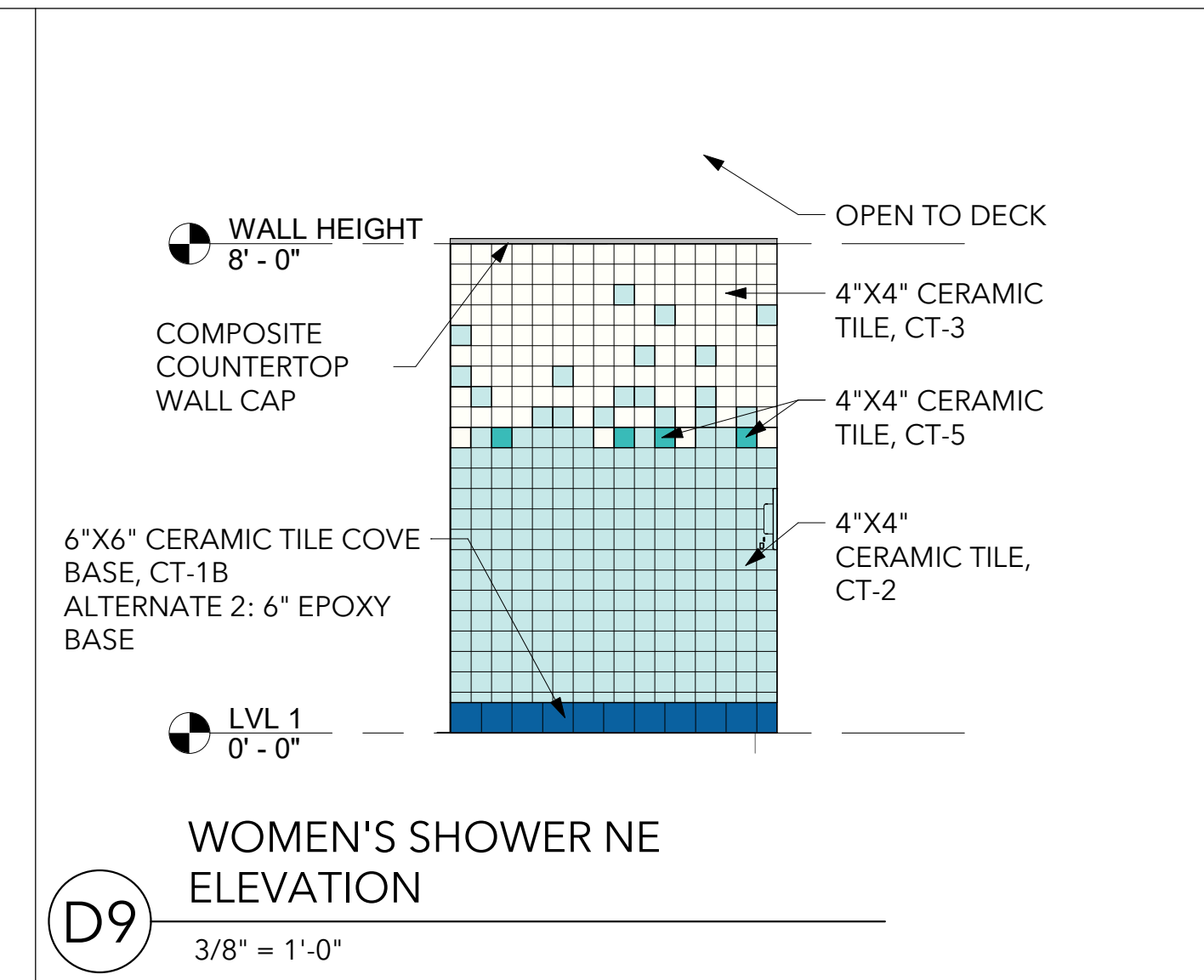
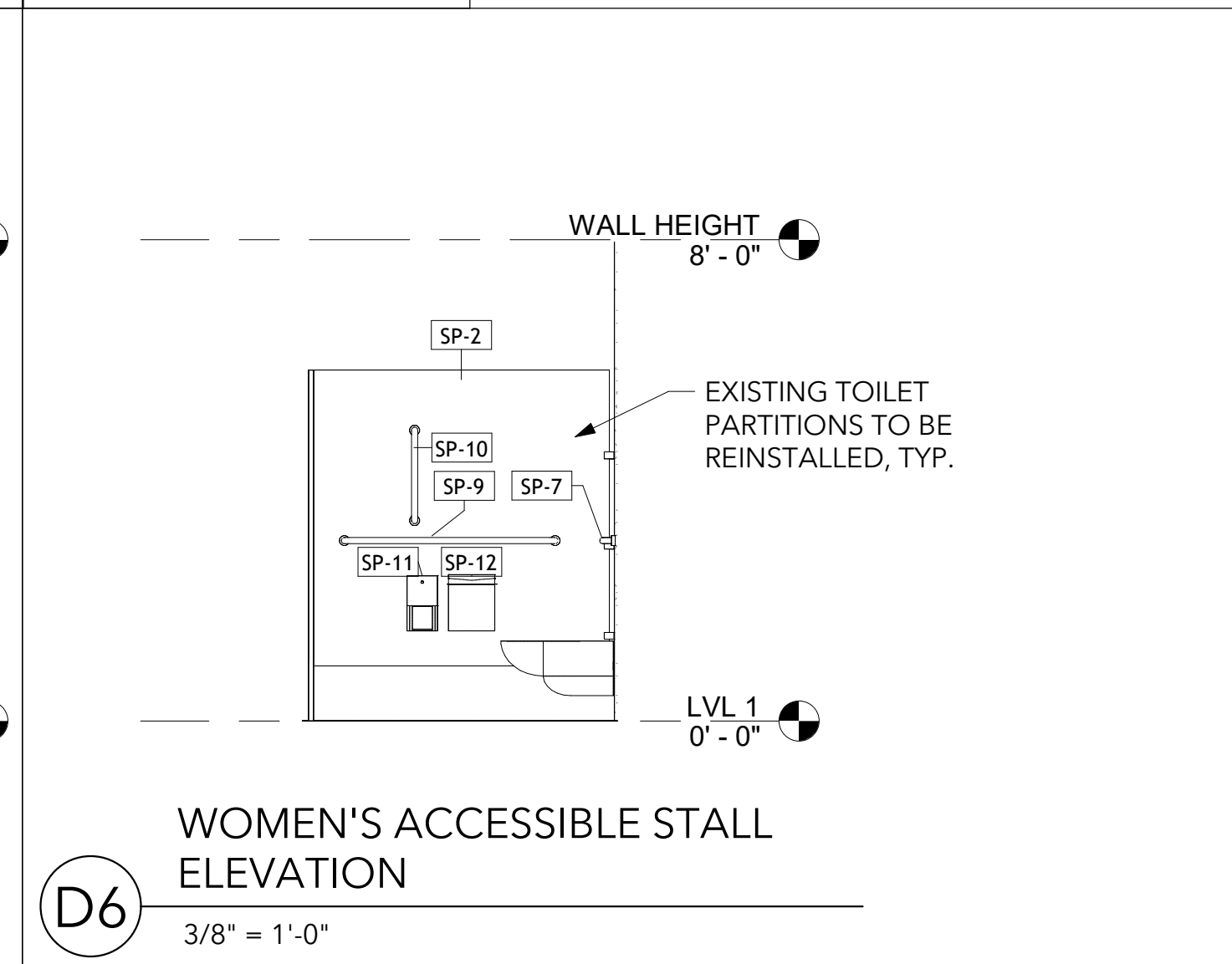
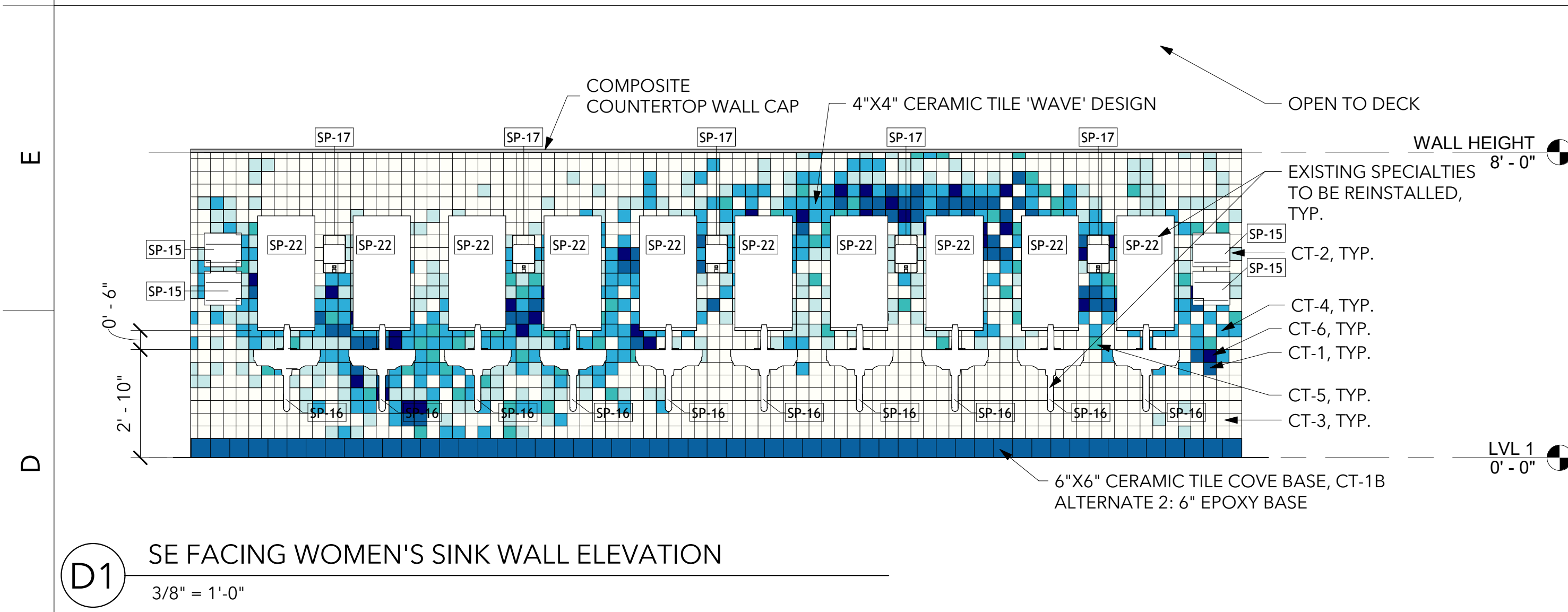
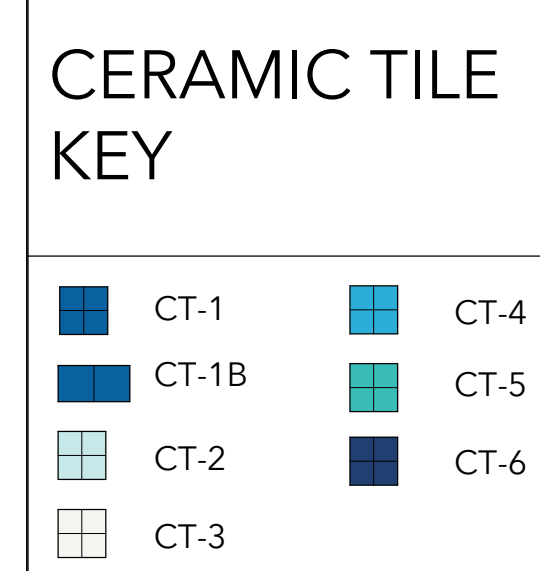
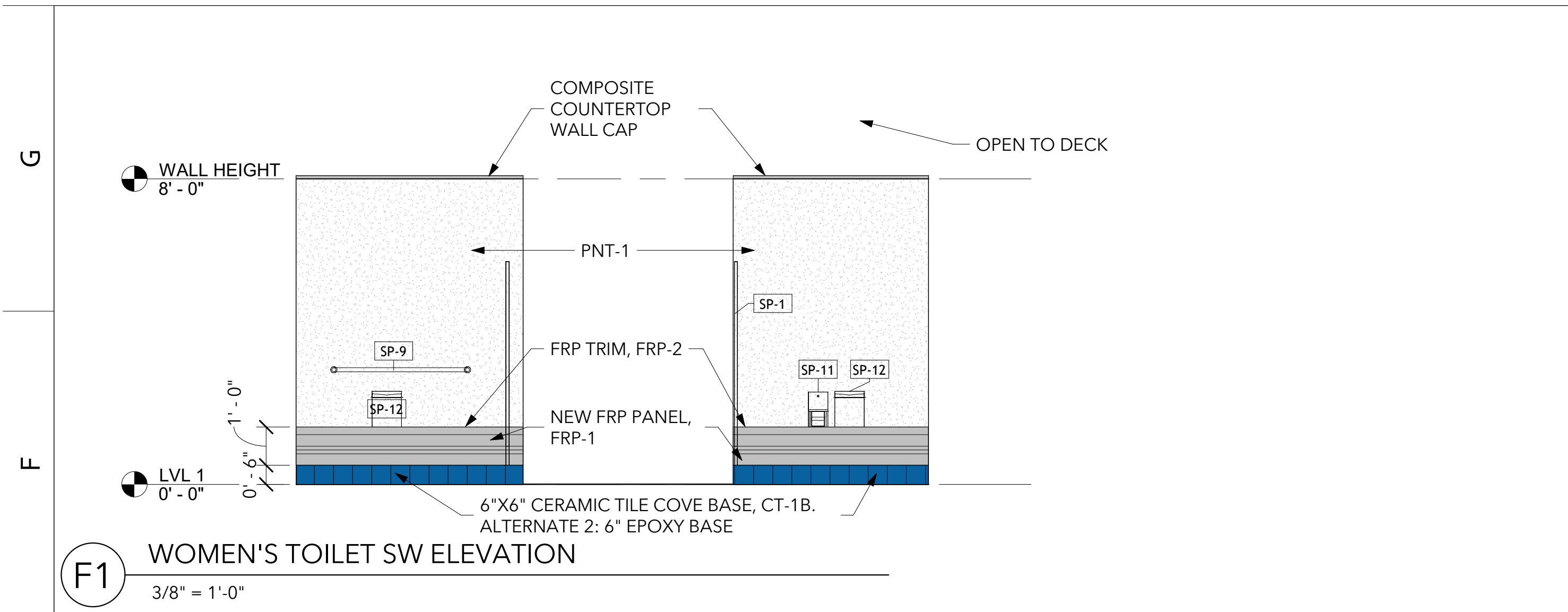
- A. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO STARTING DEMOLITION.
- B. DIMENSIONS ARE FOR REFERENCE ONLY.
- C. DASHED LINES INDICATE DEMOLITION.
- D. PREPARE SURFACES TO RECEIVE NEW FINISHES.
- E. REMOVE ALL INTERIOR ROOM PANEL SIGNAGE IN WORK AREA, SALVAGE FOR REUSE.

I-KEYNOTES DEMOLITION

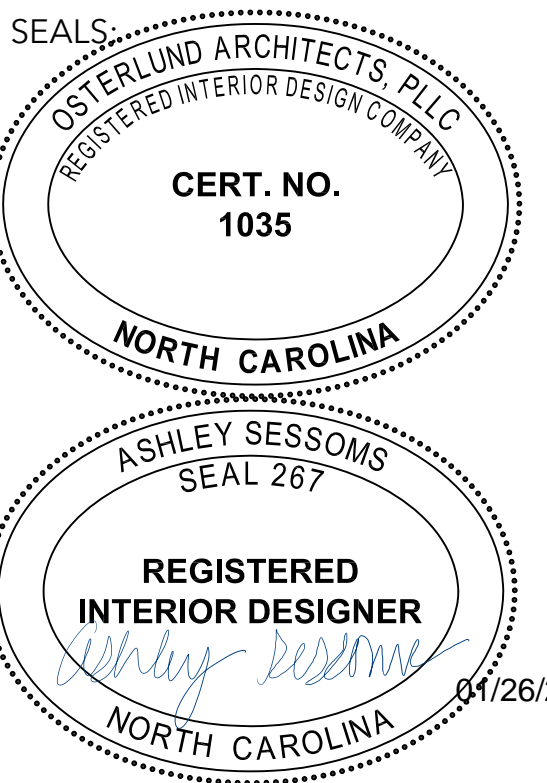
01	REMOVE PLUMBING FIXTURES, SALVAGE FOR REUSE, SEE PLUMBING PLANS
02	REMOVE ALL RESTROOM PARTITIONS, SALVAGE FOR REUSE
03	REMOVE DRINKING FOUNTAIN, SALVAGE FOR REUSE
04	REMOVE ALL SPECIALTIES, SALVAGE FOR REUSE, U.N.O.
05	DEMOLISH DOOR, FRAME, AND HARDWARE
06	DEMOLISH CHASE WALL PARTITIONS, INCLUDING PARTITIONS ABOVE CHASE
07	DEMOLISH EXISTING TILE BASE, PREP SURFACE FOR NEW FINISH
08	REMOVE ALL EXISTING MARBLE THRESHOLDS



C:\Users\sara\Documents\2325 Optimist Pool Bathhouse Repairs_saraMMGNE.rvt 1/26/2024 4:55:02 PM ARCH D (36.00 x 24.00 Inches), 1:1 (C) 2023 OSTERLUND ARCHITECTS, PLLC



1/26/2024 4:55:09 PM ARCH D (36.00 x 24.00 Inches), 1:1
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 (C) 2023 OSTERLUND ARCHITECTS, PLLC

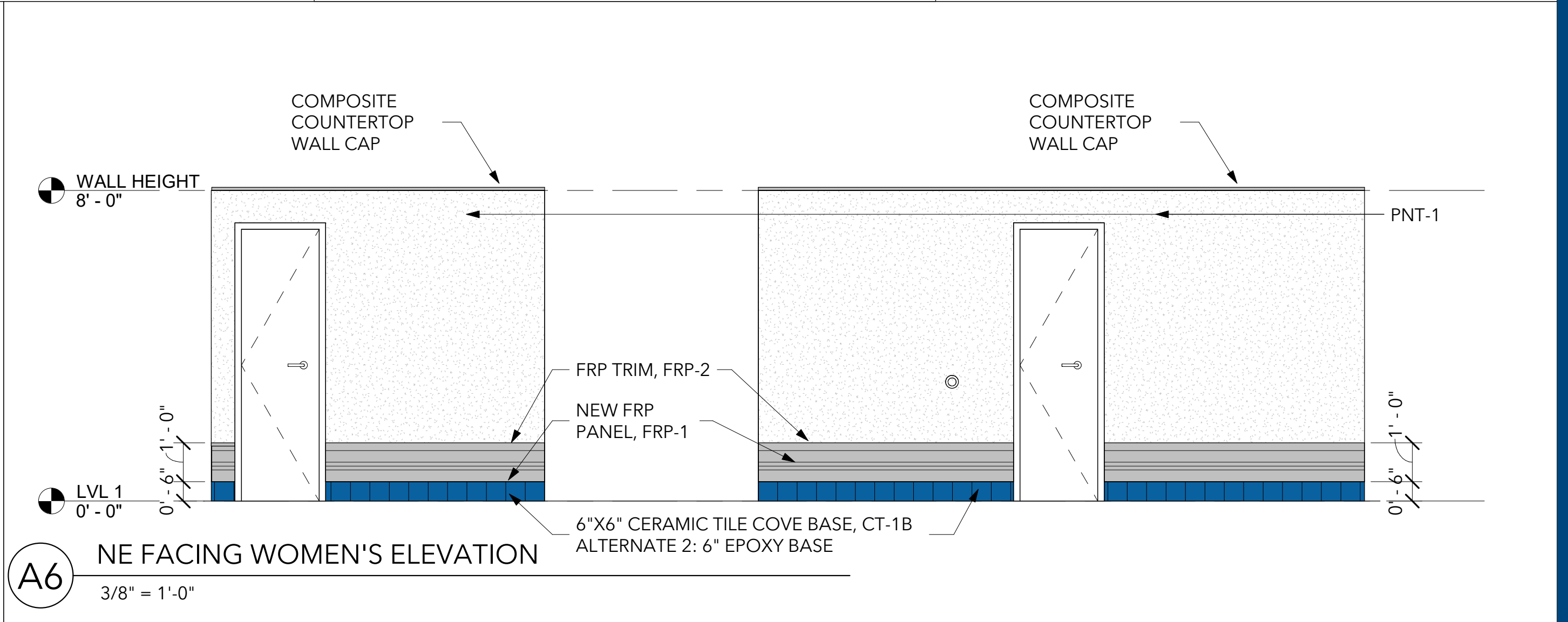
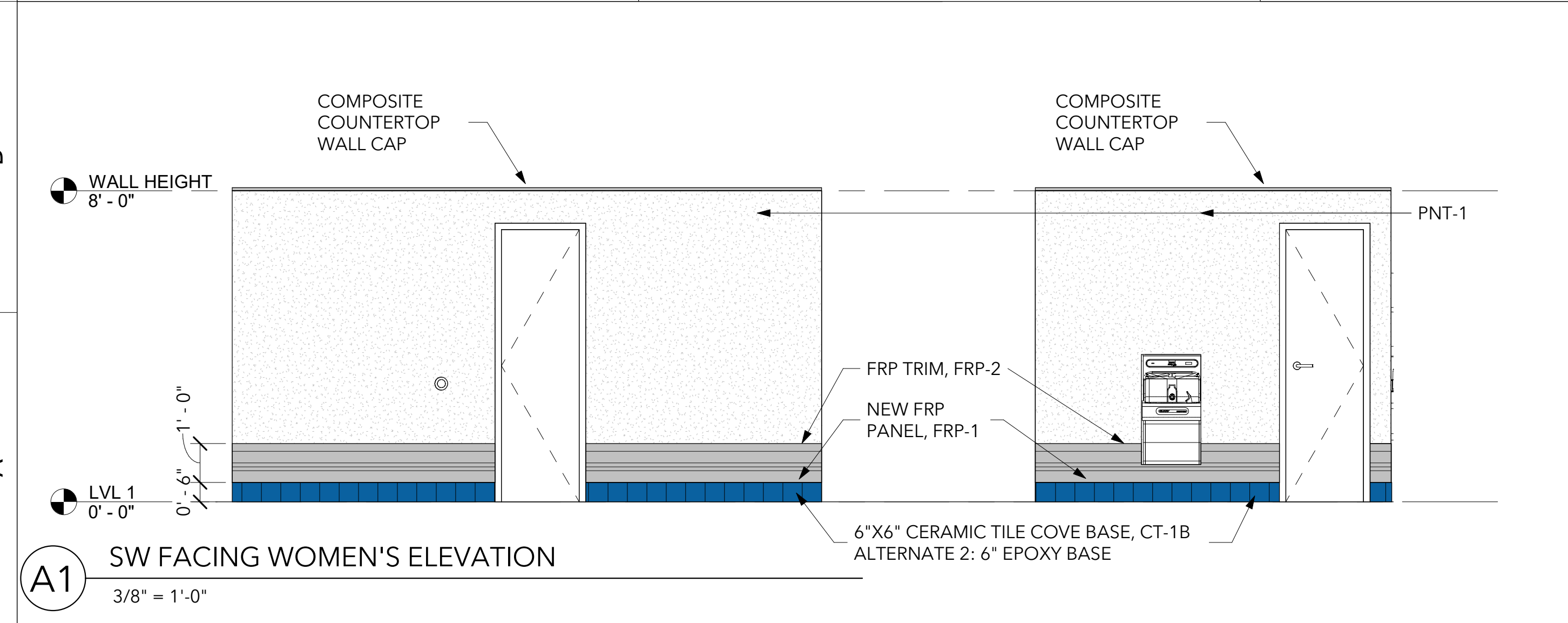
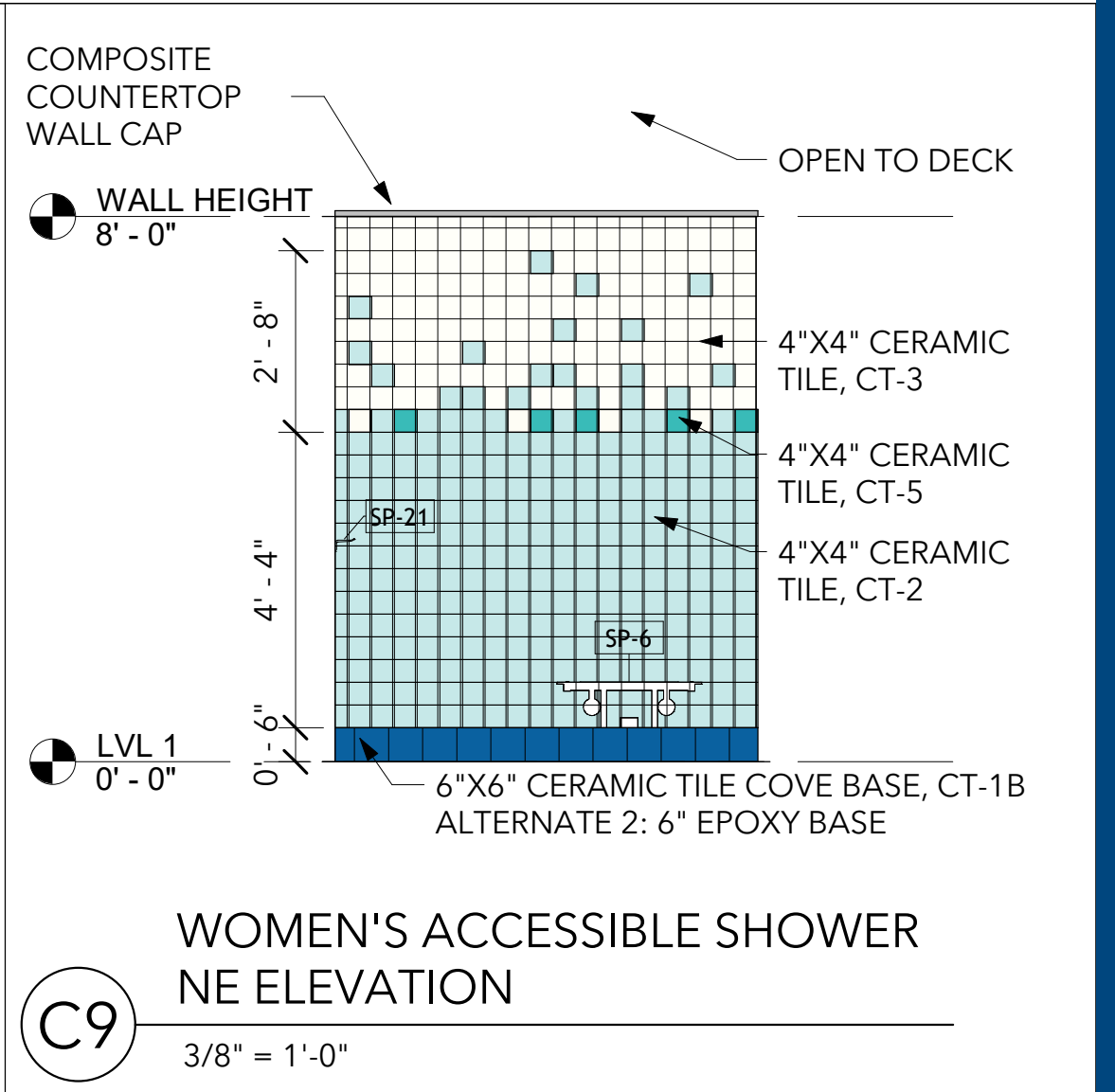
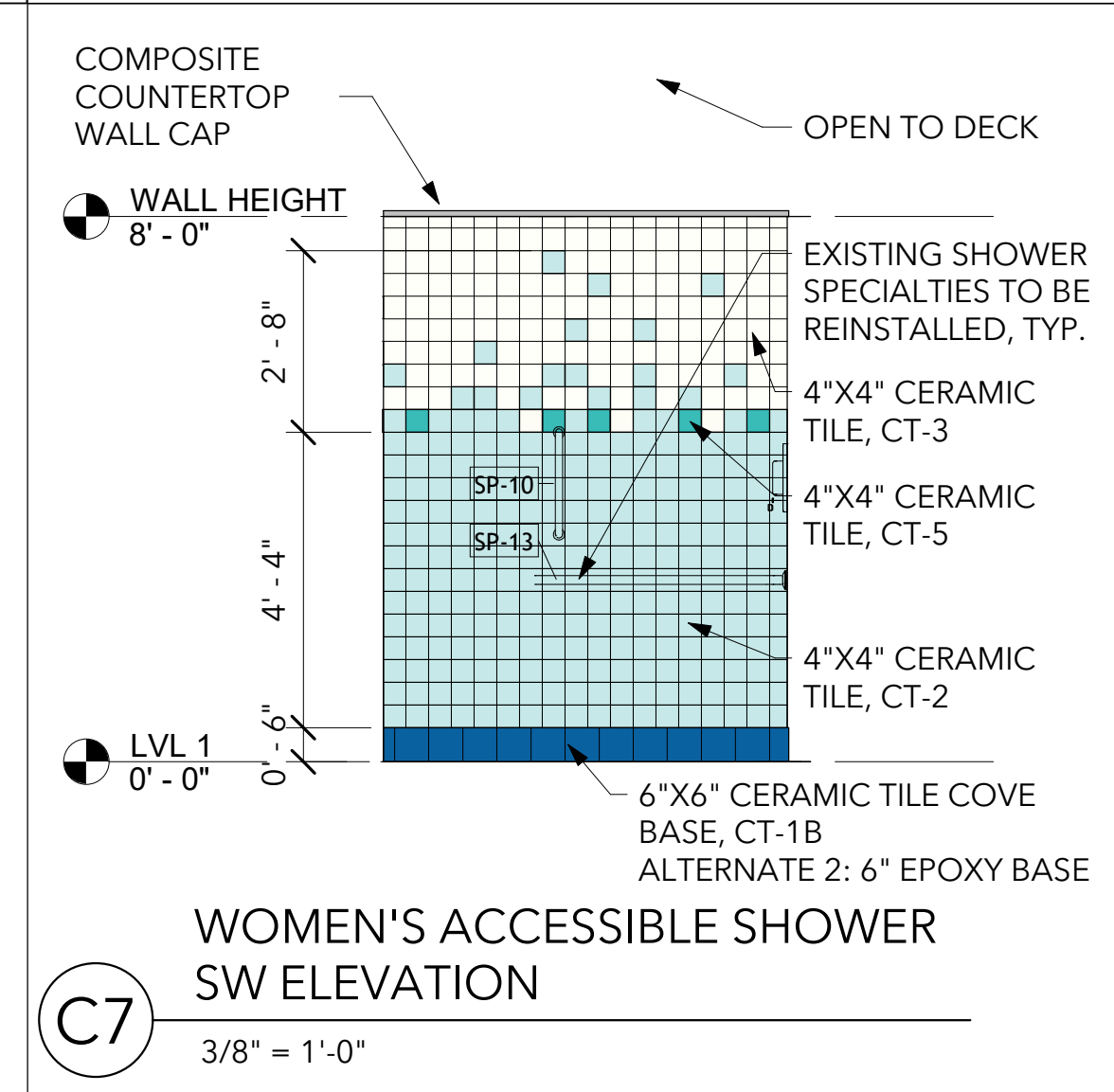
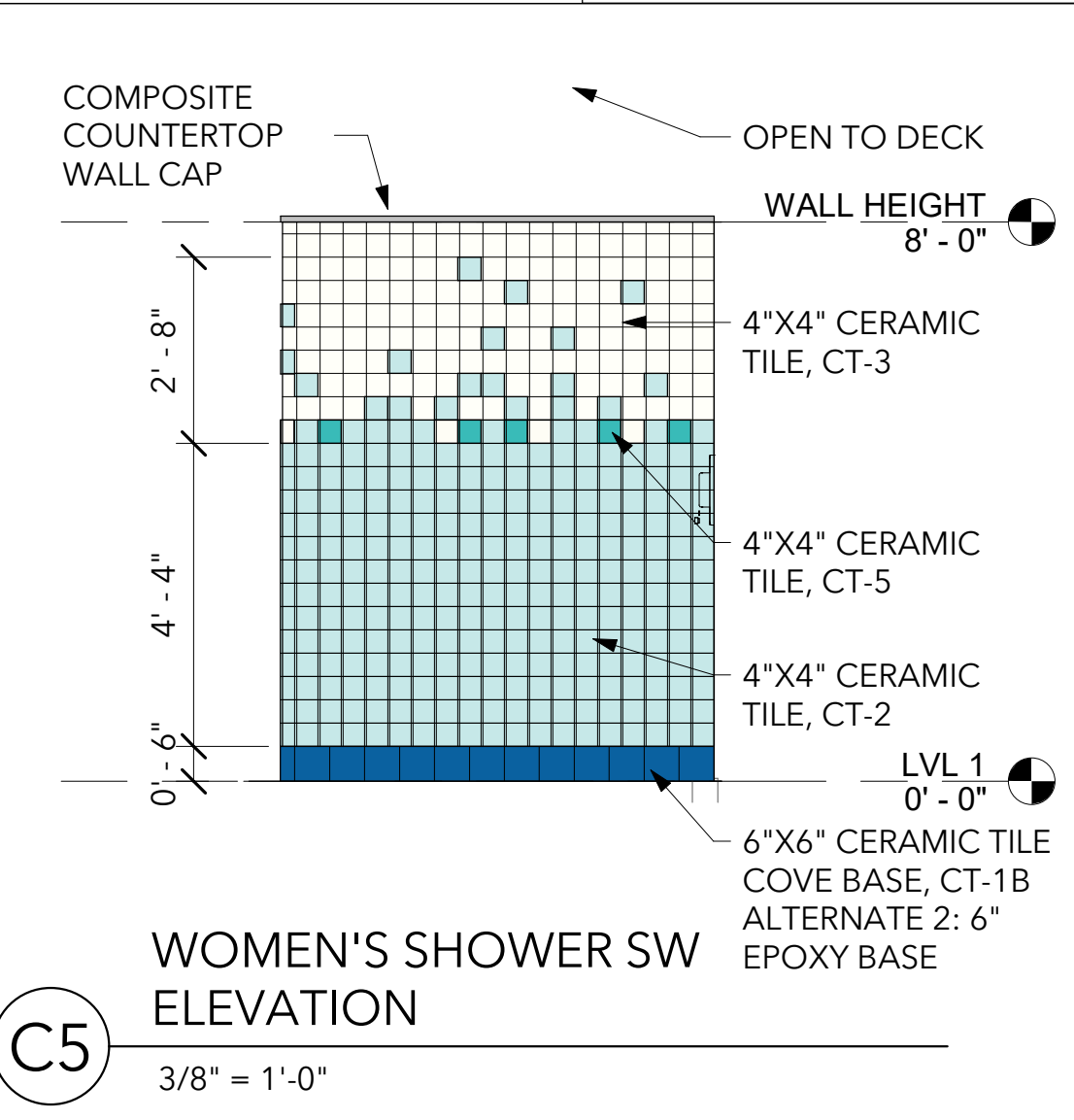
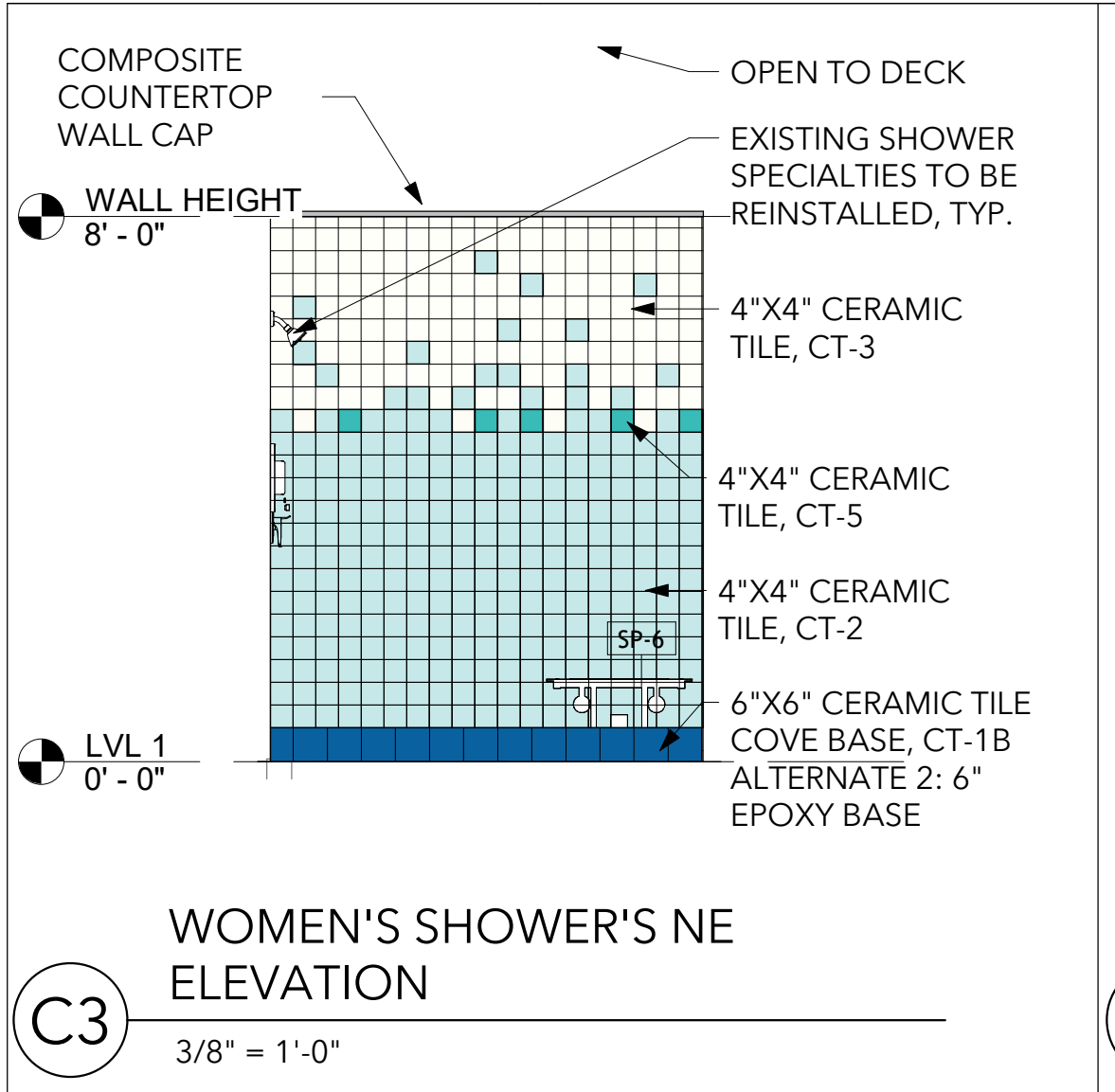
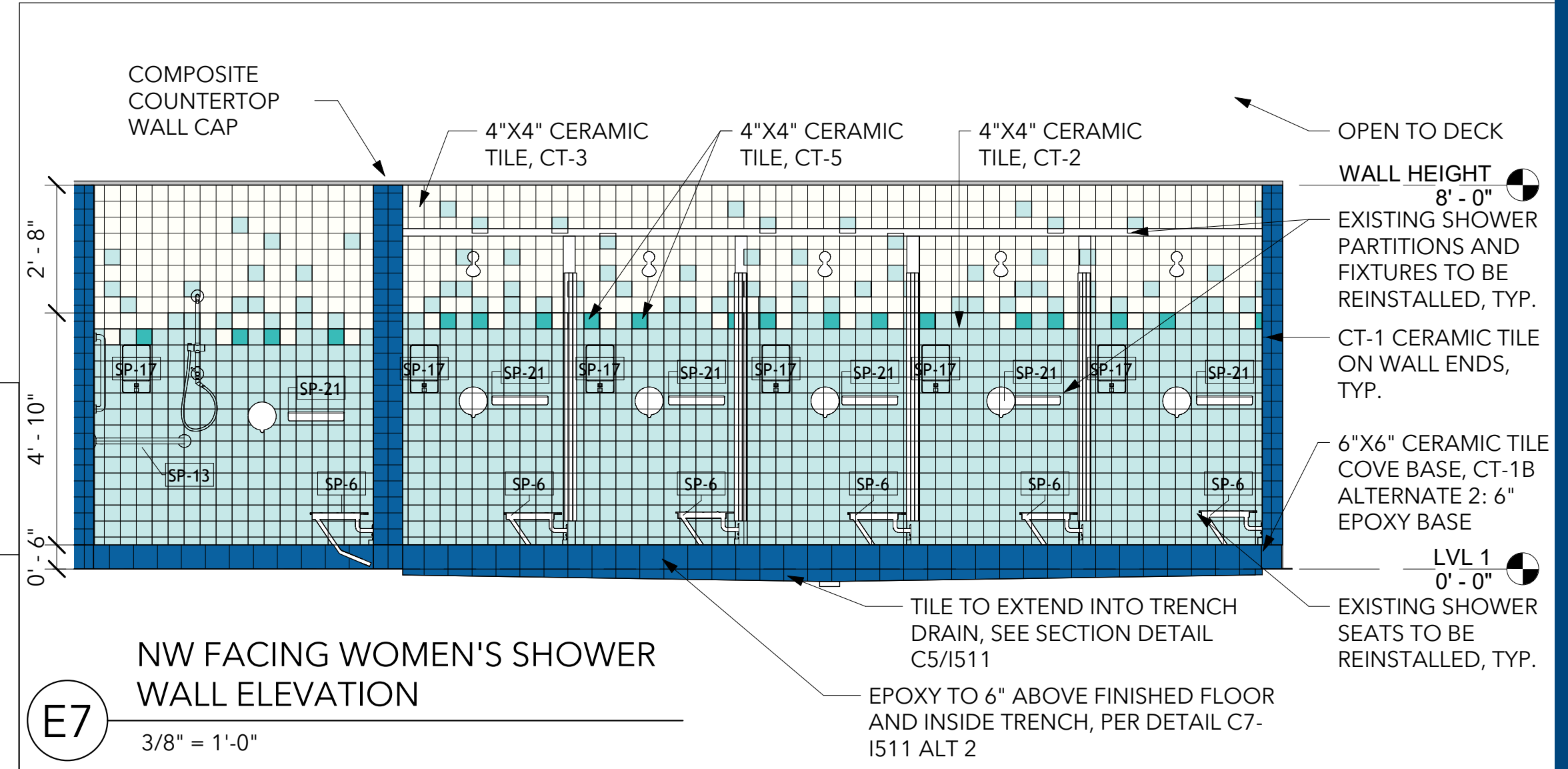


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1 2 3 4 5 6 7 8 9 10

CERAMIC TILE KEY

	CT-1		CT-4
	CT-1B		CT-5
	CT-2		CT-6
	CT-3		

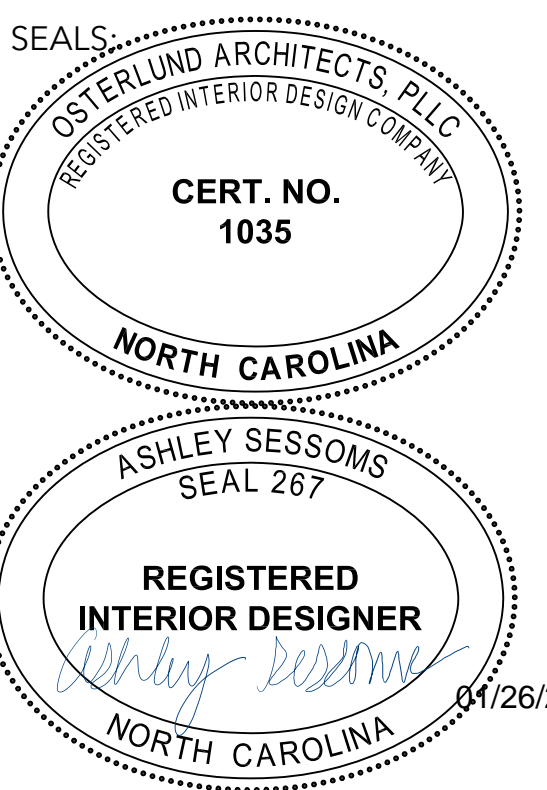


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CONSULTANTS:
SIGMA

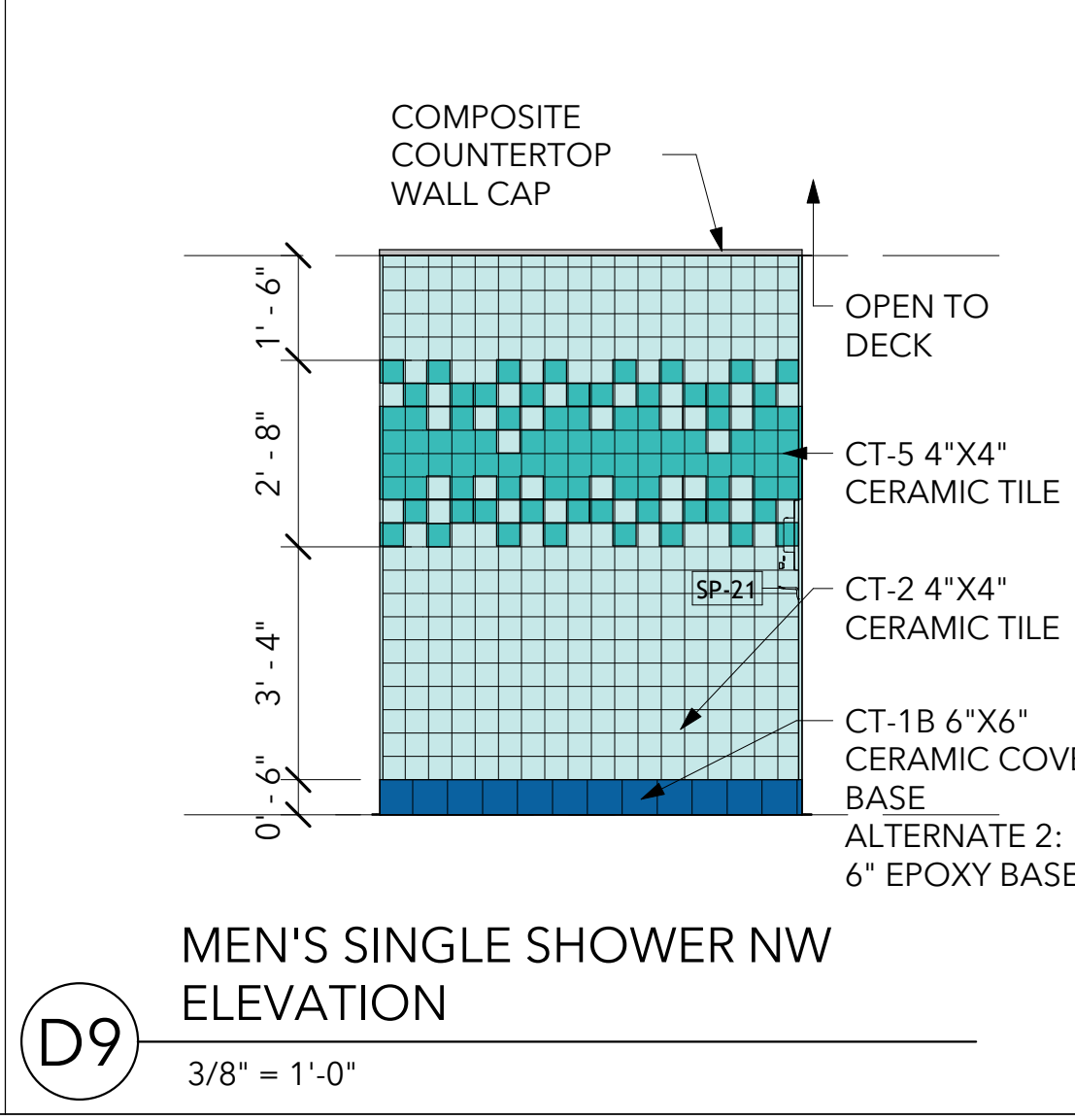
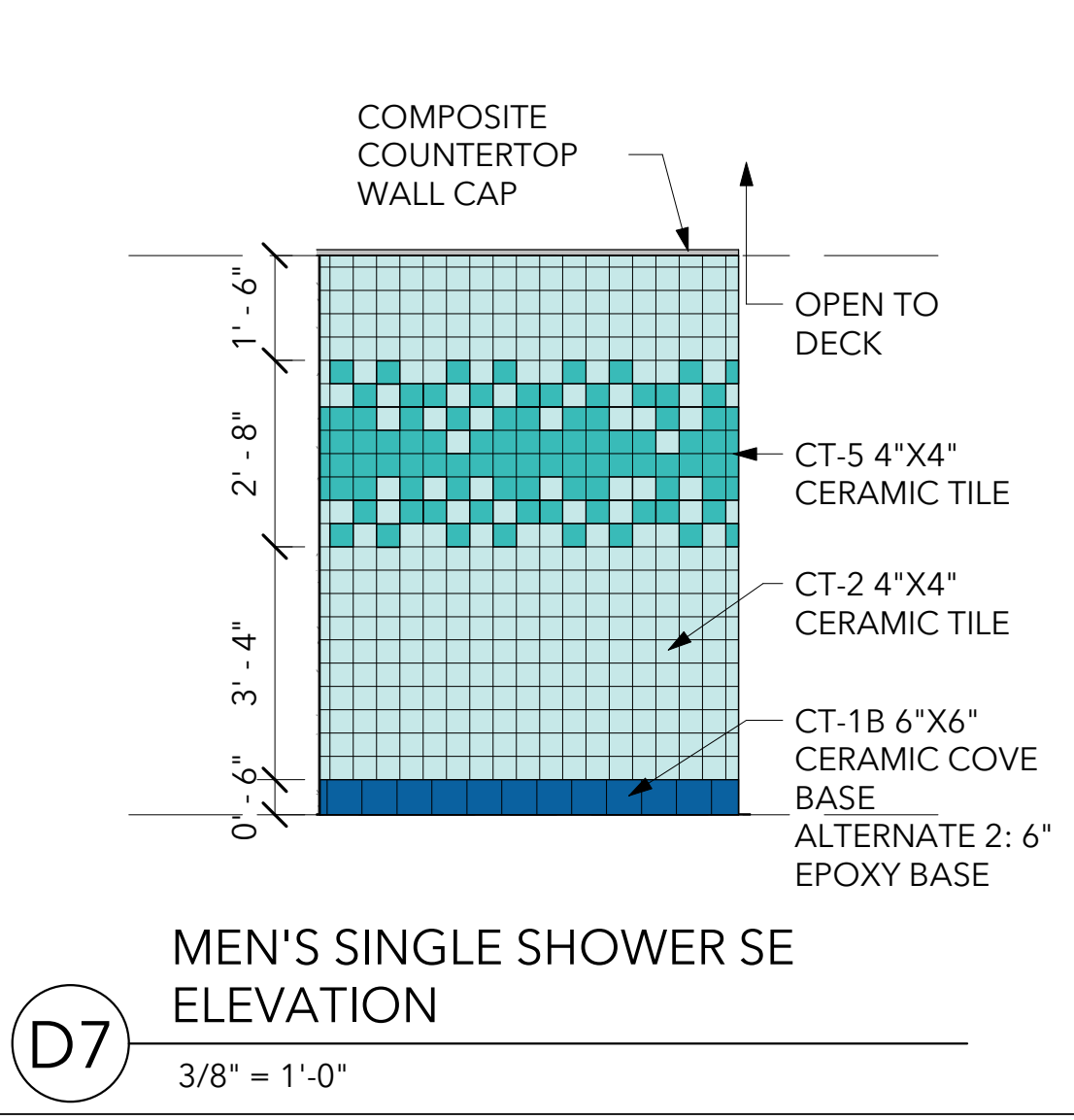
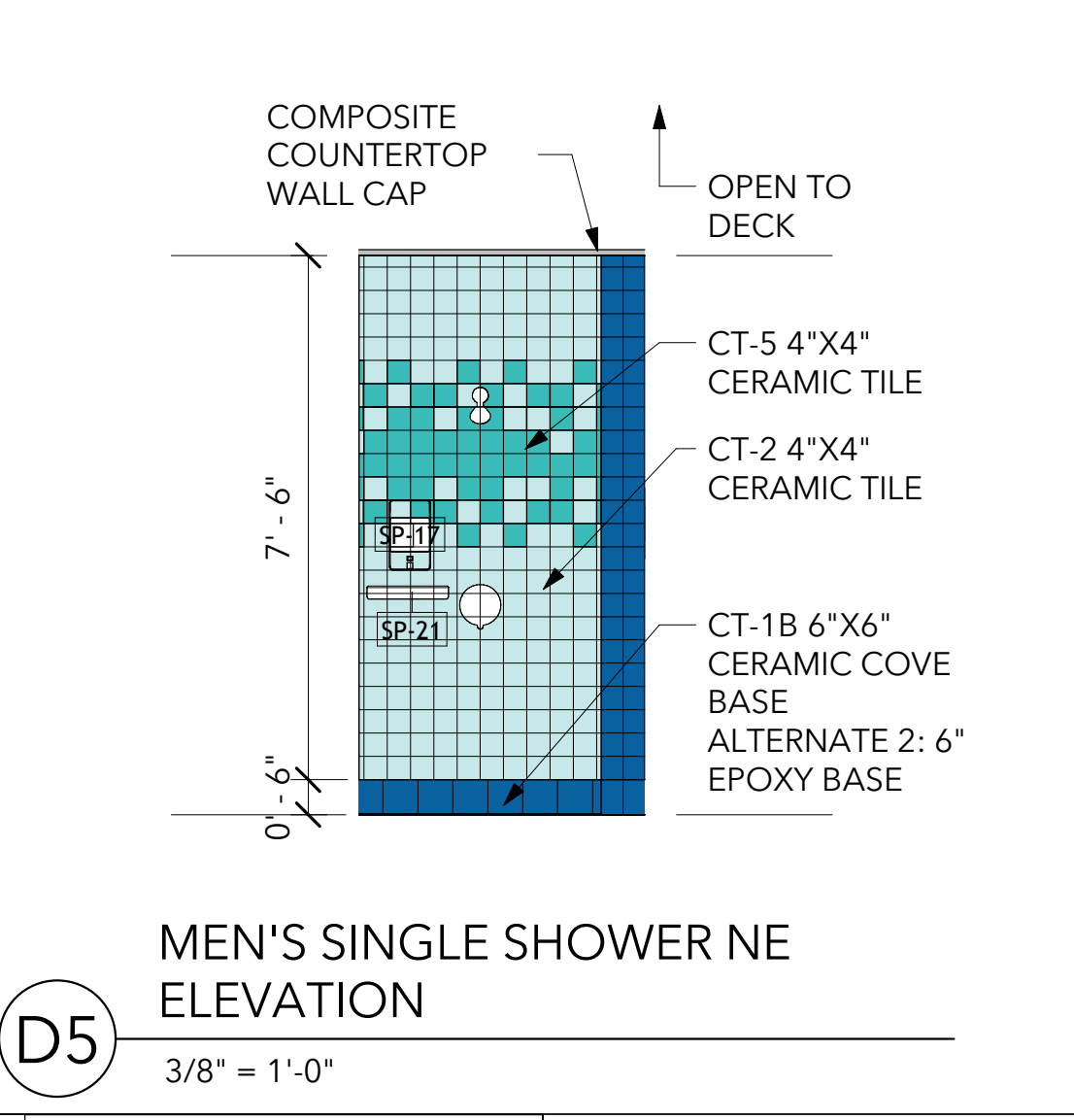
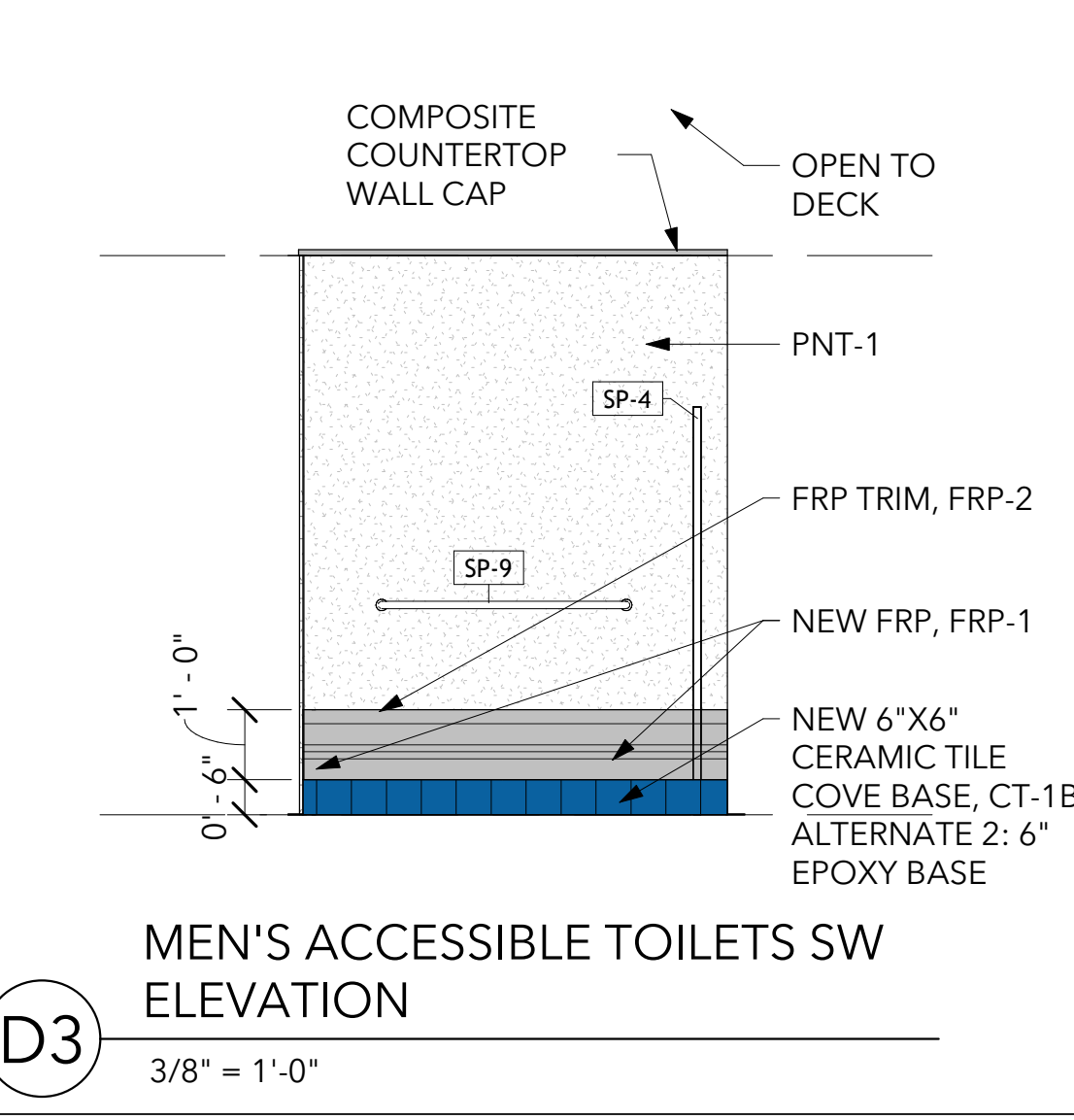
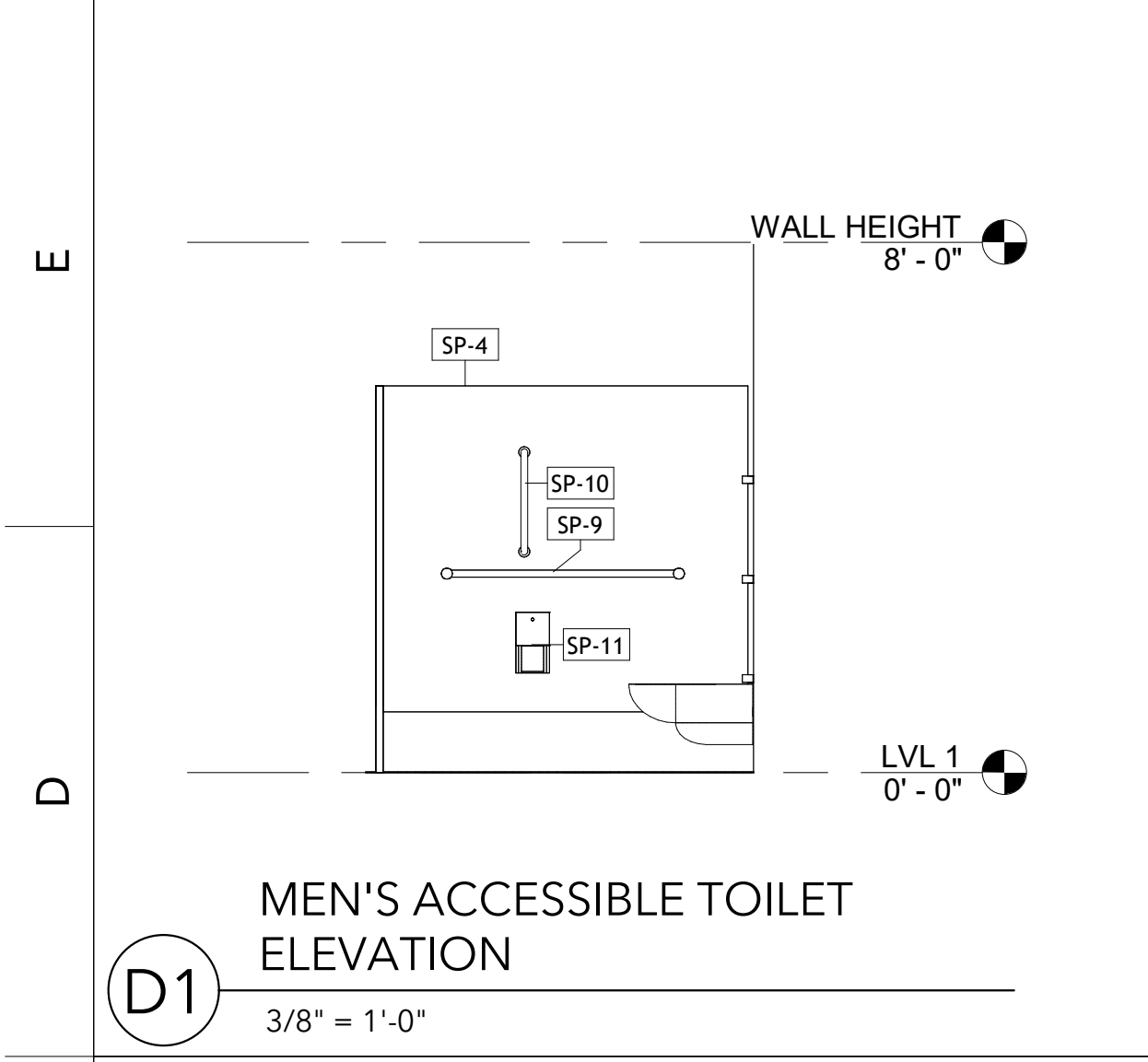
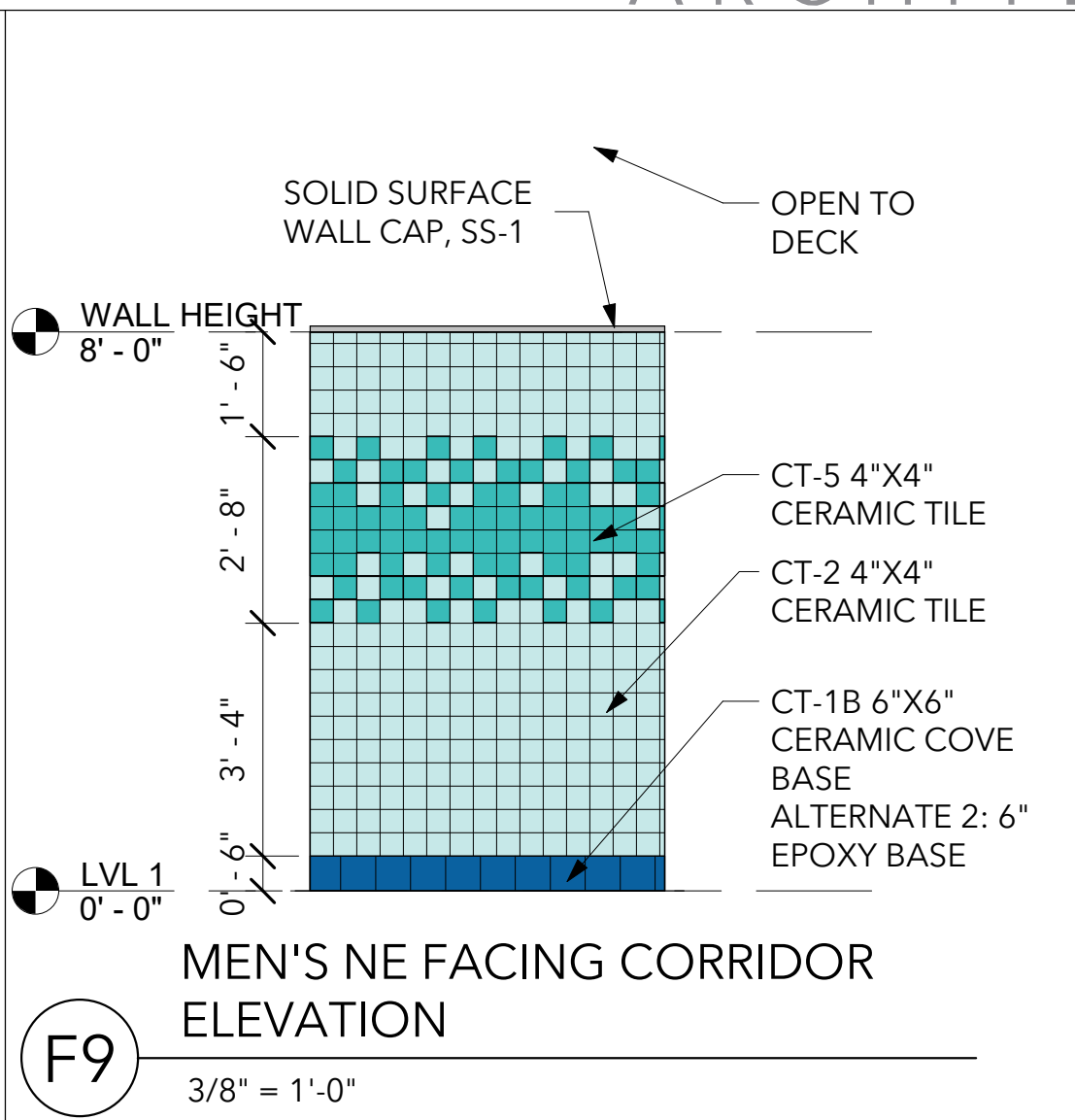
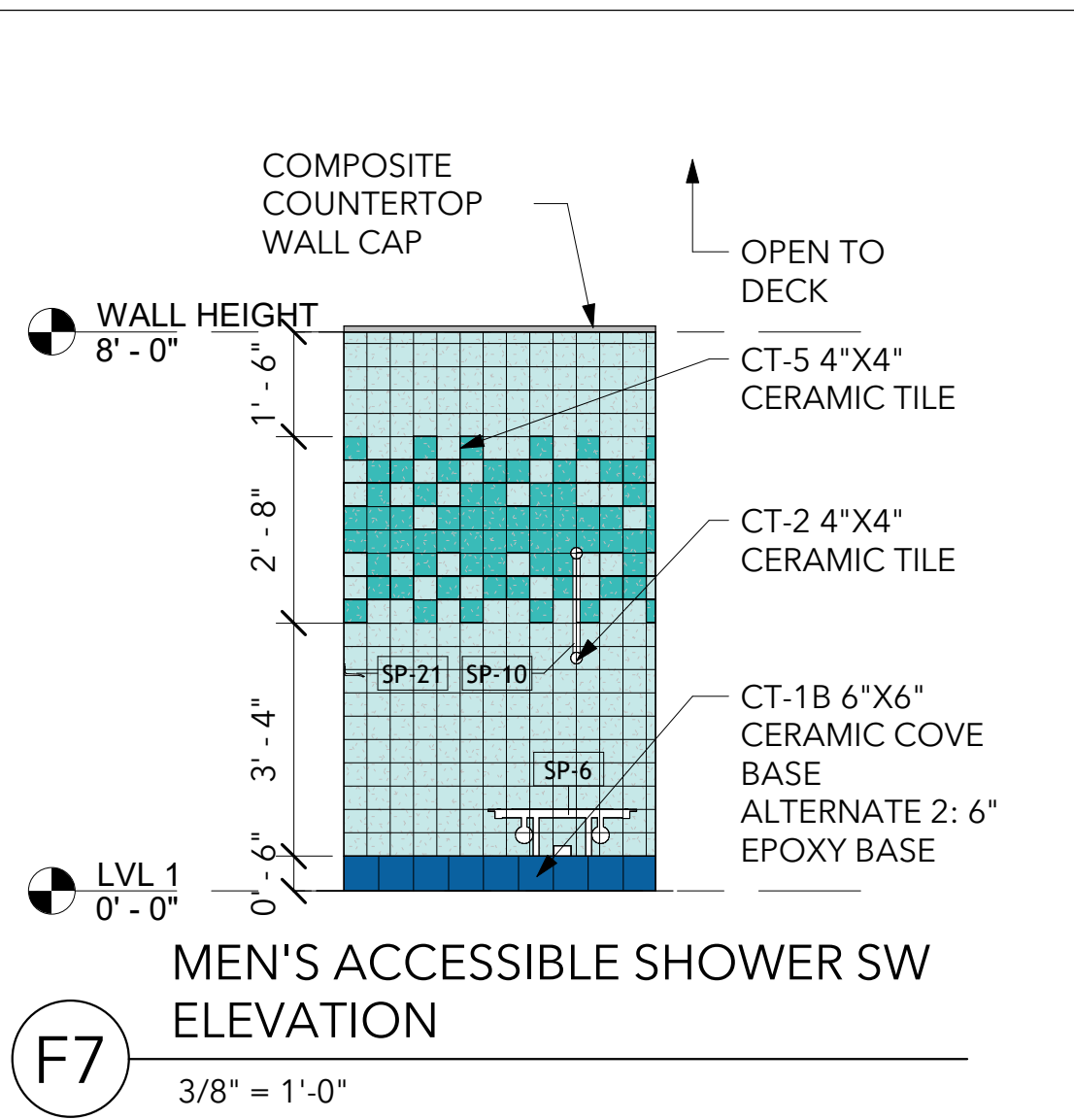
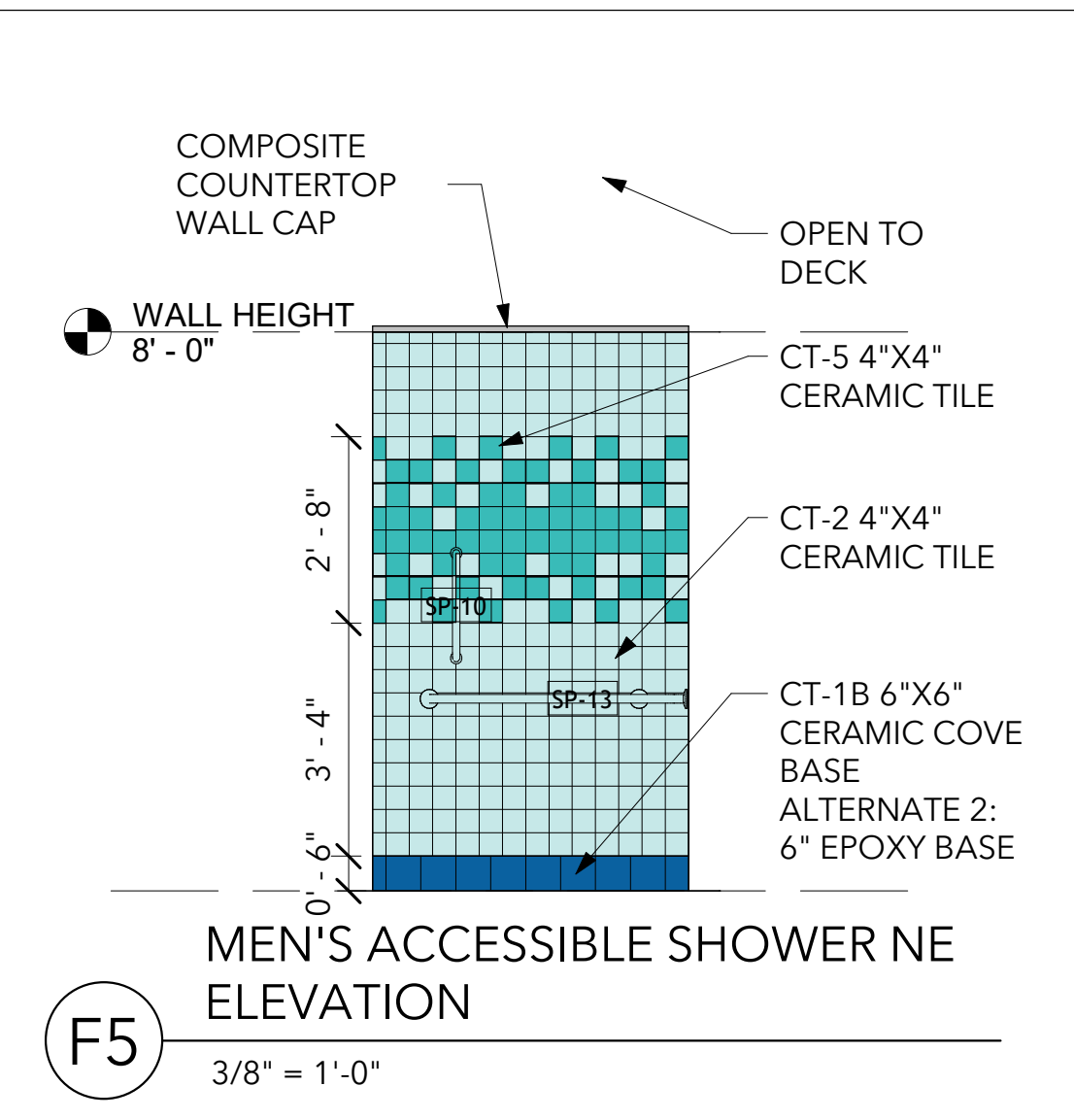
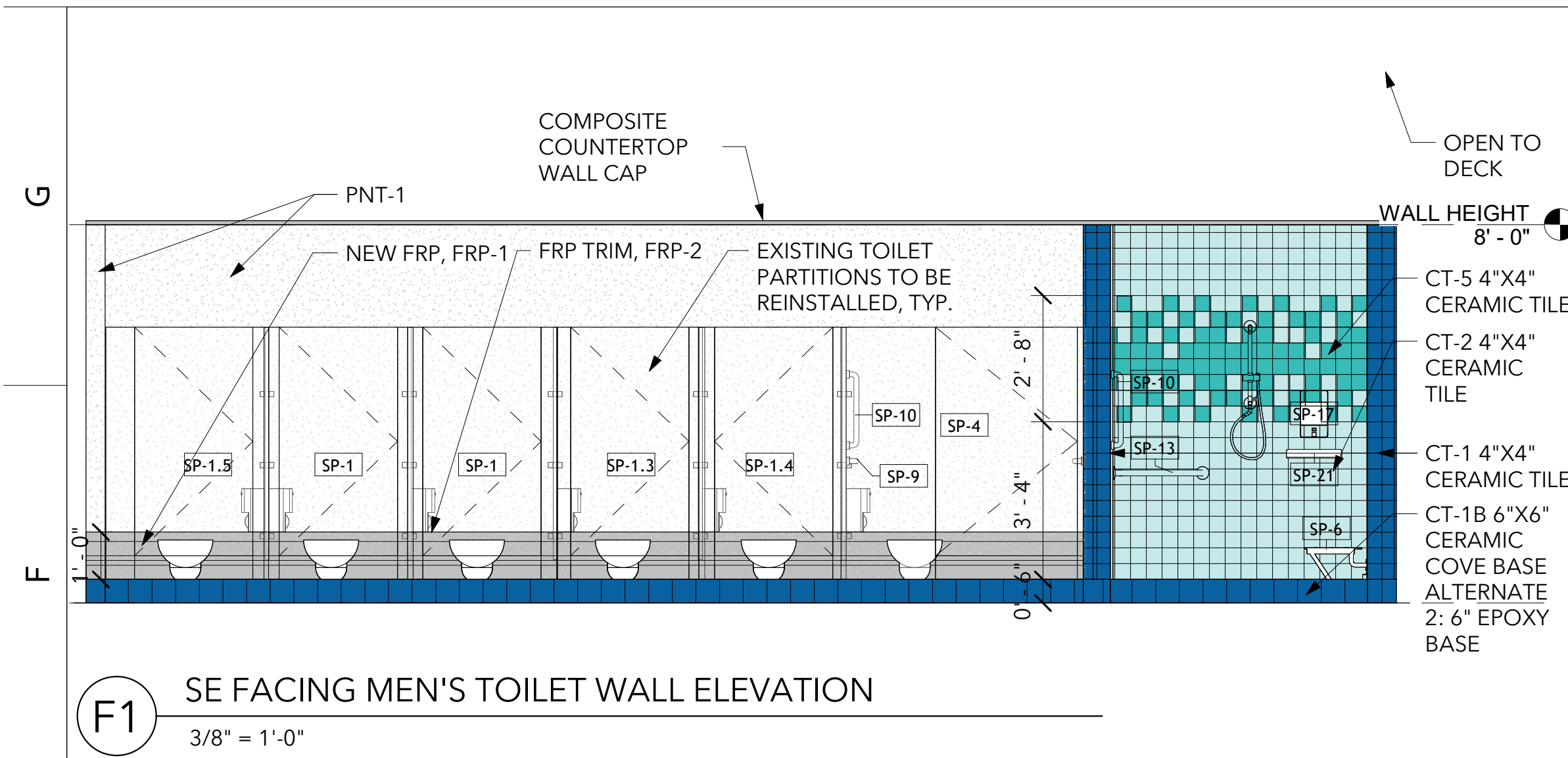
PROJECT No.: 2325

OPTIMIST POOL BATHHOUSE REPAIRS
 5902 WHITTIER DR. RALEIGH, NC 27609
CITY OF RALEIGH
 RALEIGH, NC



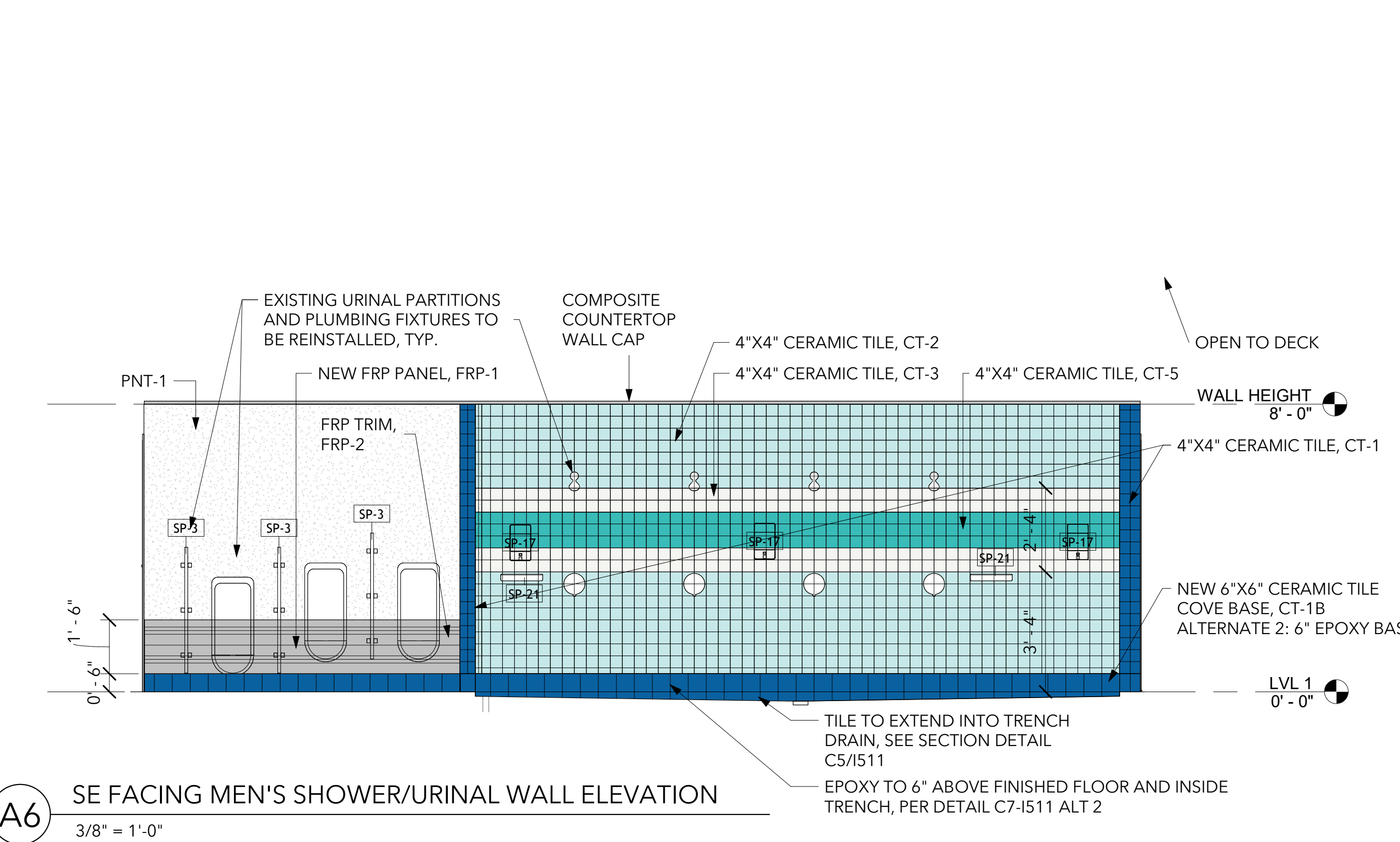
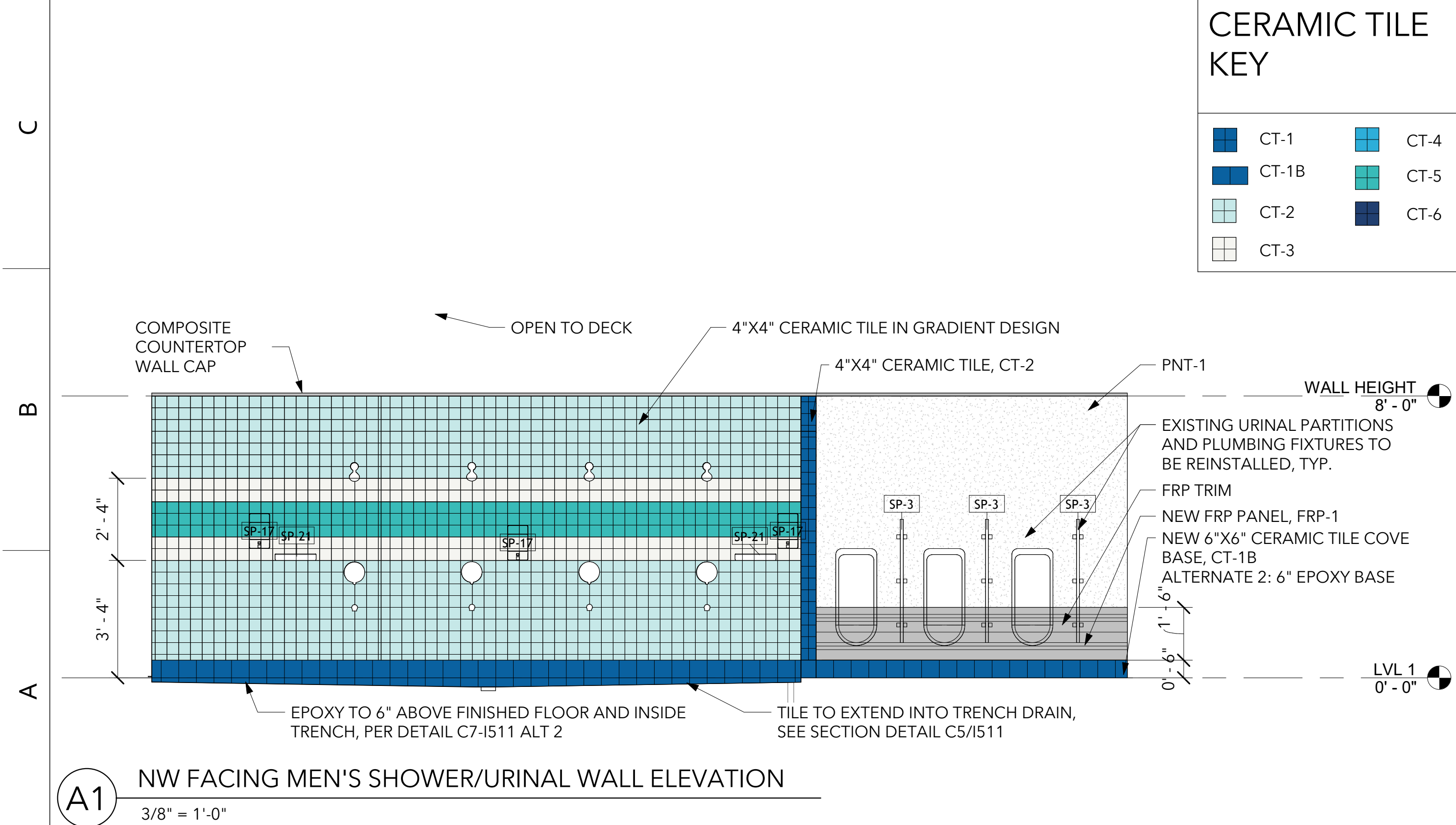
ISSUE: CONSTRUCTION
DATE: 1/26/2024
DRAWN BY: SNC
REVISIONS:

INTERIOR ELEVATIONS- MEN'S LOCKER ROOM



CERAMIC TILE KEY

CT-1	CT-4
CT-1B	CT-5
CT-2	CT-6
CT-3	



1/26/2024 4:55:18 PM ARCH D (36.00 x 24.00 Inches), 1:1
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 (C) 2023 OSTERLUND ARCHITECTS, PLLC

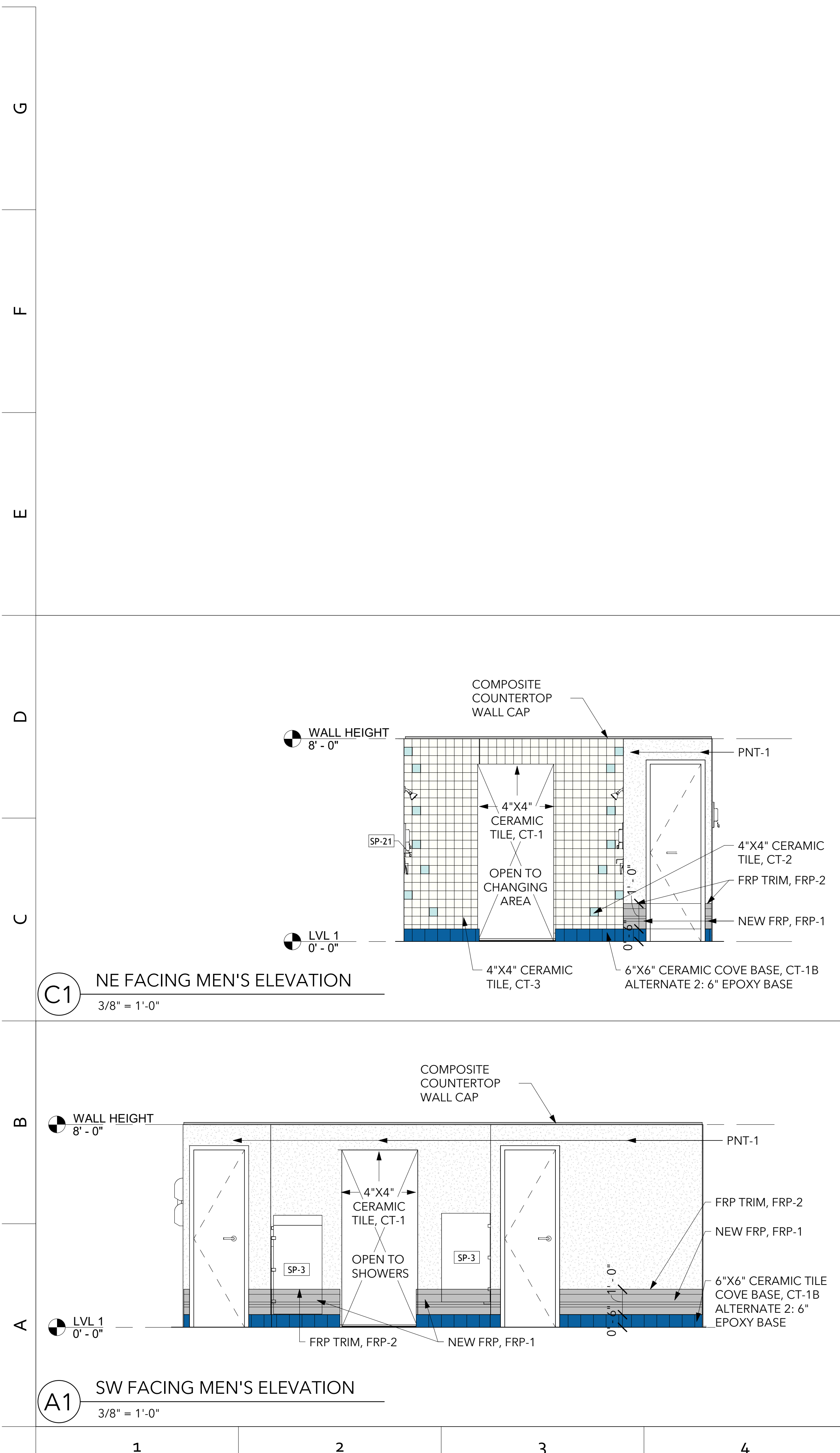
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CONSULTANTS:
 SIGMA

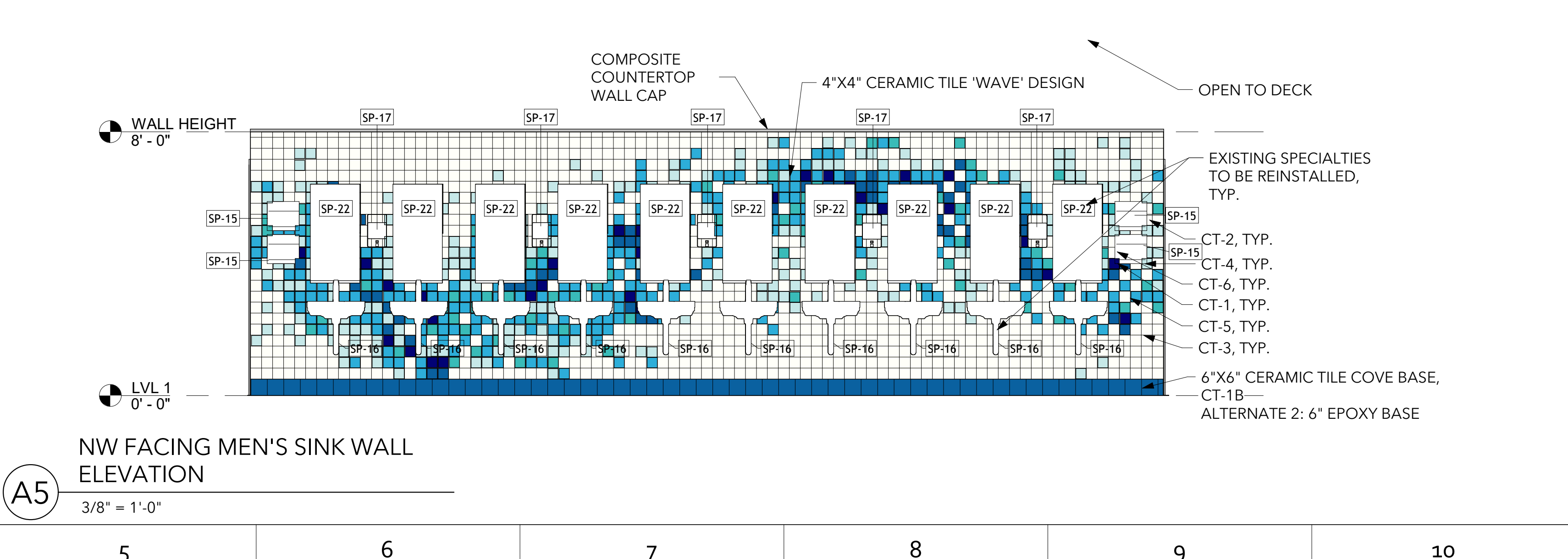
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OPTIMIST POOL BATHHOUSE
REPAIRS
 5902 WHITTIER DR. RALEIGH, NC 27609
CITY OF RALEIGH
 RALEIGH, NC



CERAMIC TILE KEY

	CT-1		CT-4
	CT-1B		CT-5
	CT-2		CT-6
	CT-3		



SEALS:

OSTERLUND ARCHITECTS, PLLC
 REGISTERED INTERIOR DESIGN COMPANY
CERT. NO. 1035
 NORTH CAROLINA

ASHLEY SESSOMS
 SEAL 267
REGISTERED INTERIOR DESIGNER
Ashley Sessoms
 NORTH CAROLINA 01/26/2024

ISSUE: CONSTRUCTION
 DATE: 1/26/2024
 DRAWN BY: SNC
 REVISIONS:

NO.	DESCRIPTION	DATE

INTERIOR ELEVATIONS- MEN'S LOCKER ROOM

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 Raleigh, NC 27601
 (919) 838-9337
 osterlundarchitects.com

CONSULTANTS:
 SIGMA

PROJECT No.: 2325

GENERAL NOTES FLOOR PLANS

- A. FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
- B. DIMENSIONS ARE FOR REFERENCE ONLY.
- C. PREPARE SURFACES TO RECEIVE NEW FINISHES.
- D. NEW PARTITIONS SHALL BE TYPE P5-3 TYP. UNO. SEE A1/1601

I-KEYNOTES NEW CONSTR.

01	NEW CERAMIC TILE COVE BASE, FRP TO REMAIN ALTERNATE 1: PNT-1 ABOVE ALTERNATE 2: NEW 6" EPOXY COVE BASE. SEE DETAIL A7/I511
01.1	NEW CERAMIC TILE COVE BASE, FRP TO REMAIN ALTERNATE 1: PNT-2 ABOVE ALTERNATE 2: NEW 6" EPOXY COVE BASE. SEE DETAIL A7/I511
02	NEW CERAMIC TILE COVE BASE. ALTERNATE 1: PNT-1 ABOVE ALTERNATE 2: 6" EPOXY COVE BASE. SEE DETAIL A9/I511
03	ALTERNATE 1: PNT-2 WALLS ABOVE LOCKERS
05	ALTERNATE 2: EPOXY FLOOR TRANSITION TO EXISTING CONC. SEE DETAIL E9/I511
06	ALTERNATE 2: NEW MARBLE THRESHOLDS, SEE DETAIL E7/I511

ALT 2 FINISH KEY

- EPOXY FLOORING WITH MOISTURE MITIGATION SYSTEM. ALTERNATE TO INCLUDE FLOORING TRANSITIONS.
- NEW MARBLE THRESHOLD (WOMEN'S RESTROOM ONLY)
- NEW EPOXY THRESHOLD (MEN'S RESTROOM ONLY)

OPTIMIST POOL BATHHOUSE REPAIRS 5902 WHITTIER DR. RALEIGH, NC 27609 CITY OF RALEIGH RALEIGH, NC

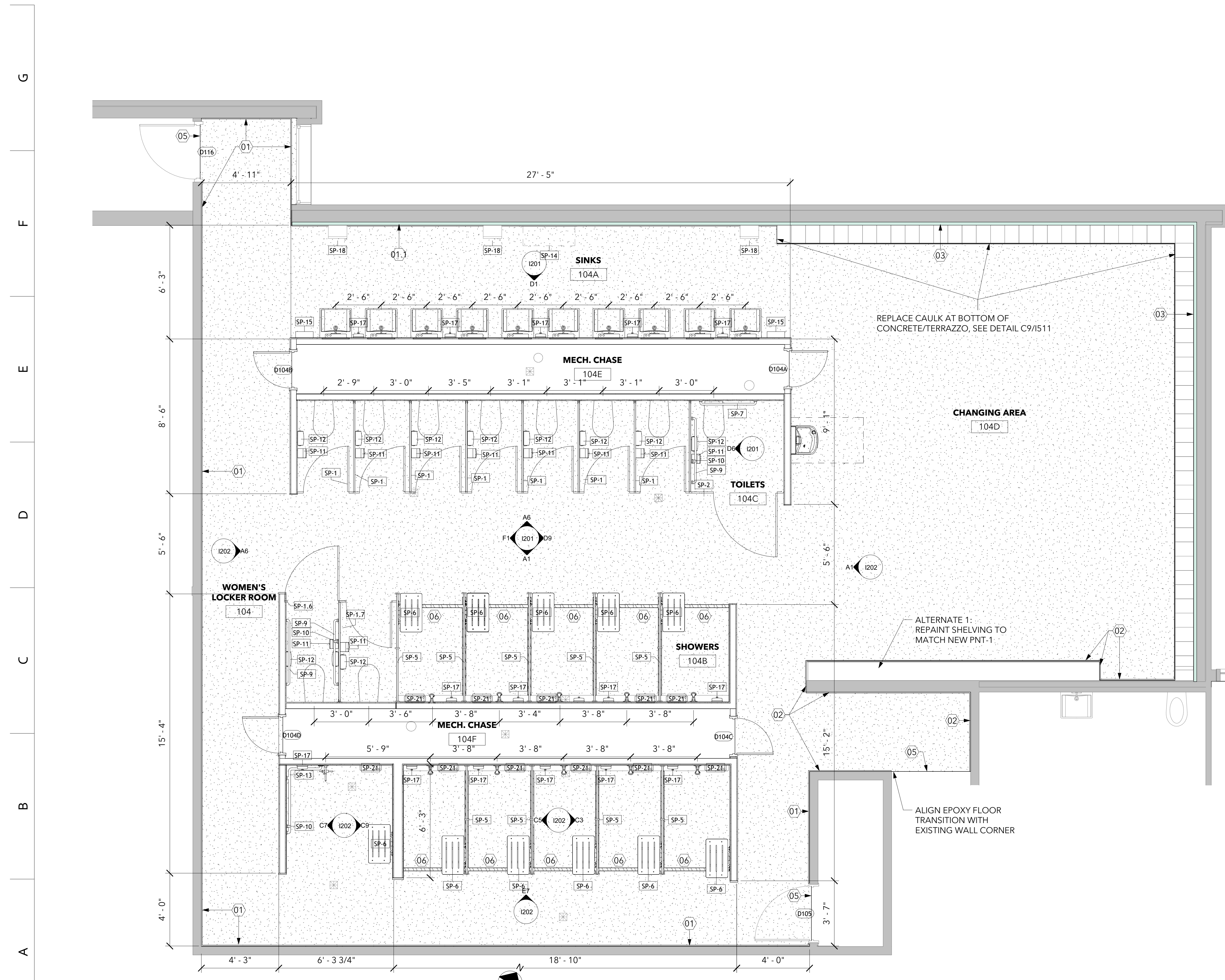
SEALS:

OSTERLUND ARCHITECTS, PLLC
 REGISTERED INTERIOR DESIGN COMPANY
CERT. NO. 1035
 NORTH CAROLINA

ASHLEY SESSOMS
 SEAL 267
REGISTERED INTERIOR DESIGNER
Ashley Sessoms
 NORTH CAROLINA 01/26/2024

ISSUE: CONSTRUCTION
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 DRAWN BY: SNC
 REVISIONS:

ENLARGED WOMEN'S LOCKER ROOM PLAN



2A ENLARGED WOMEN'S LOCKER ROOM PLAN
 3/8" = 1'-0"

5 W Hargett Street 310
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SIGMA

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- D. NEW PARTITIONS SHALL BE TYPE P5-3 TYP. UNO. SEE A1/601

I-KEYNOTES NEW CONSTR.

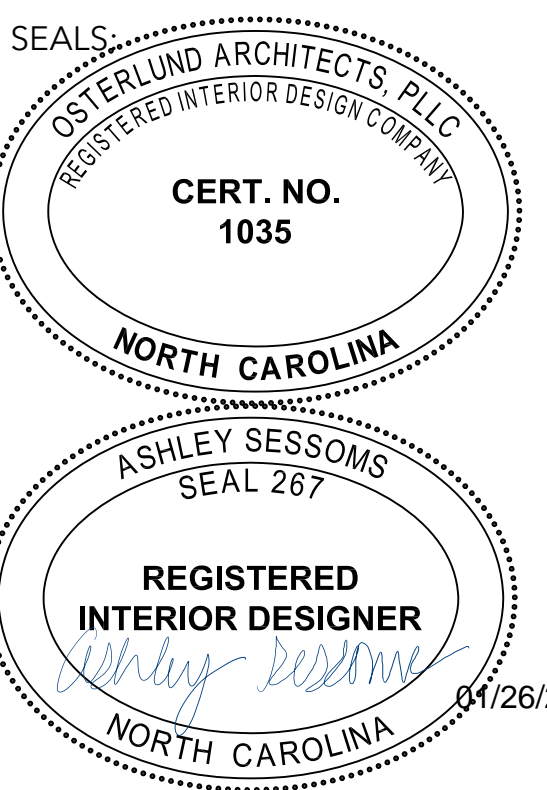
- 01 NEW CERAMIC TILE COVE BASE, FRP TO REMAIN
ALTERNATE 1: PNT-1 ABOVE
ALTERNATE 2: NEW 6" EPOXY COVE BASE. SEE DETAIL A7/I511
- 01.2 NEW CERAMIC TILE COVE BASE, FRP TO REMAIN
ALTERNATE 1: PNT-3 ABOVE
ALTERNATE 2: NEW 6" EPOXY COVE BASE. SEE DETAIL A7/I511
- 02 NEW CERAMIC TILE COVE BASE.
ALTERNATE 1: PNT-1 ABOVE
ALTERNATE 2: 6" EPOXY COVE BASE. SEE DETAIL A9/I511
- 04 ALTERNATE 1: PNT-3 WALLS ABOVE LOCKERS
- 05 ALTERNATE 2: EPOXY FLOOR TRANSITION TO EXISTING CONC. SEE DETAIL E9/I511
- 07 ALTERNATE 2: BUILD UP EPOXY ALL THE WAY ACROSS OPENING. USE CONTRASTING COLOR

ALT 2 FINISH KEY

- EPOXY FLOORING WITH MOISTURE MITIGATION SYSTEM. ALTERNATE TO INCLUDE FLOORING TRANSITIONS.
- NEW MARBLE THRESHOLD (WOMEN'S RESTROOM ONLY)
- NEW EPOXY THRESHOLD (MEN'S RESTROOM ONLY)

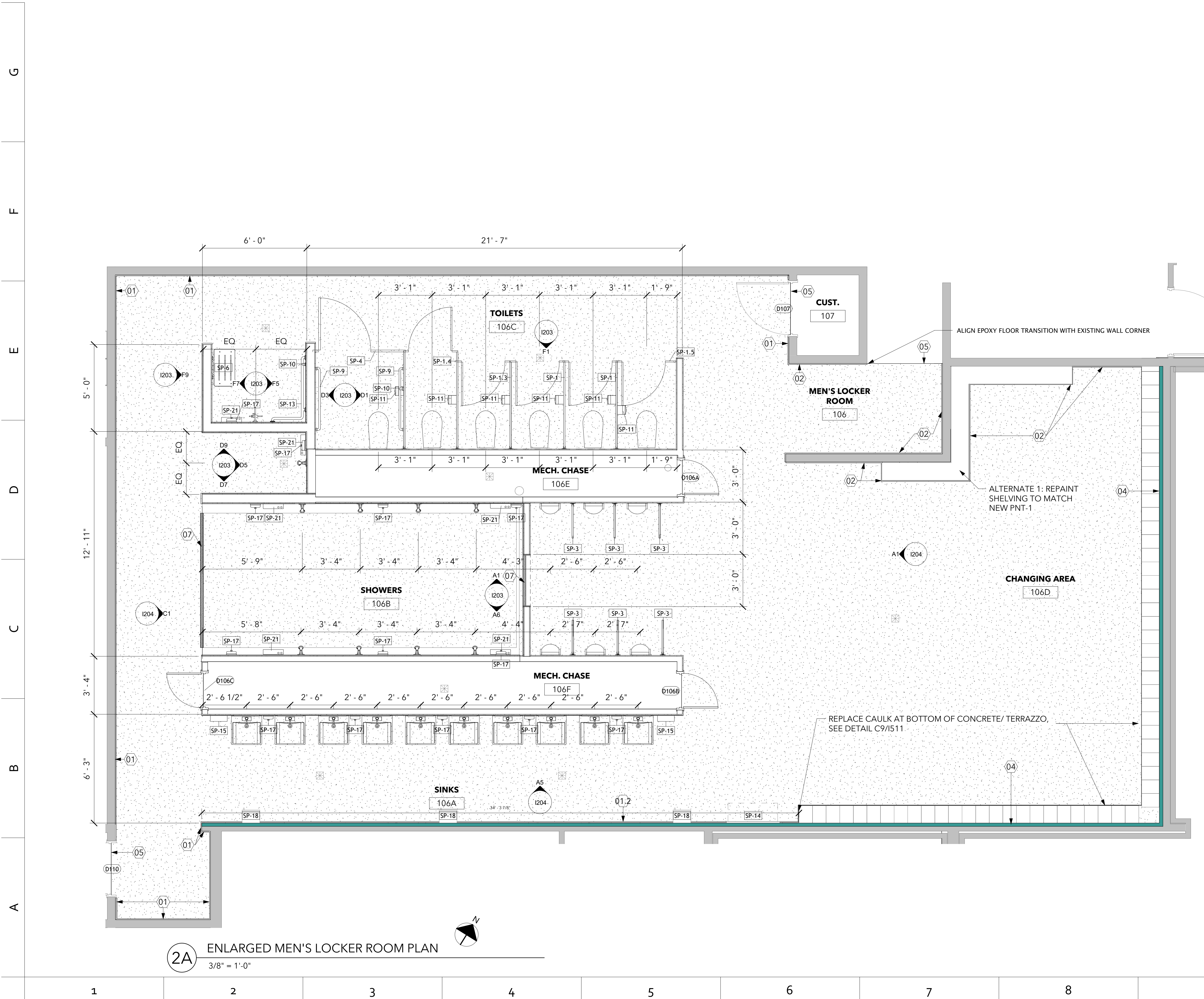
OPTIMIST POOL BATHHOUSE REPAIRS

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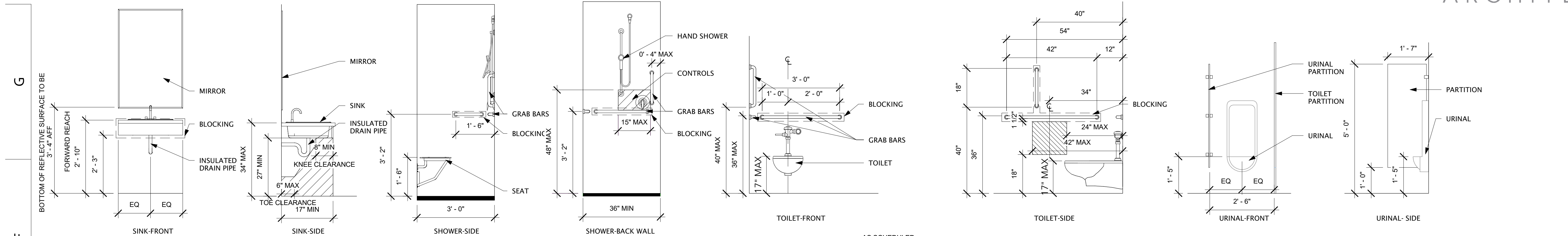


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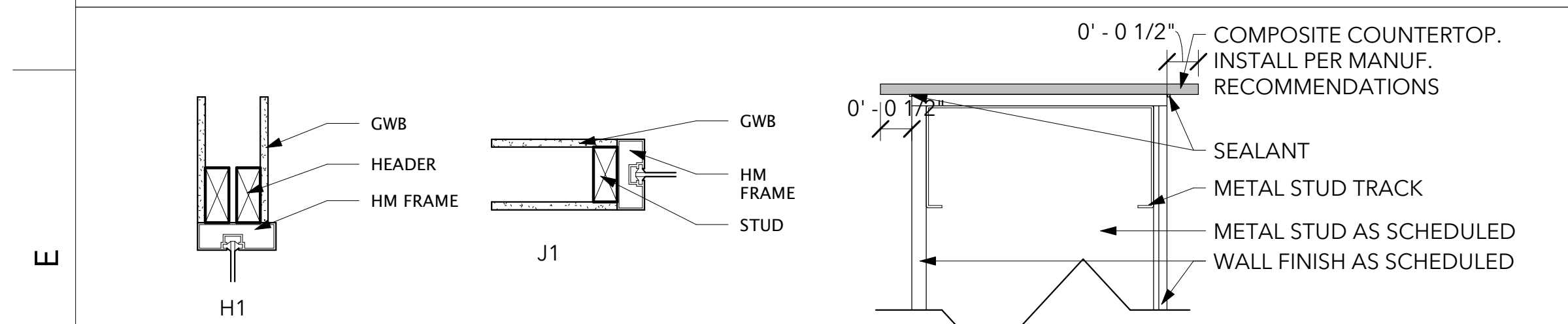
ENLARGED MEN'S LOCKER ROOM PLAN



2A ENLARGED MEN'S LOCKER ROOM PLAN
3/8" = 1'-0"

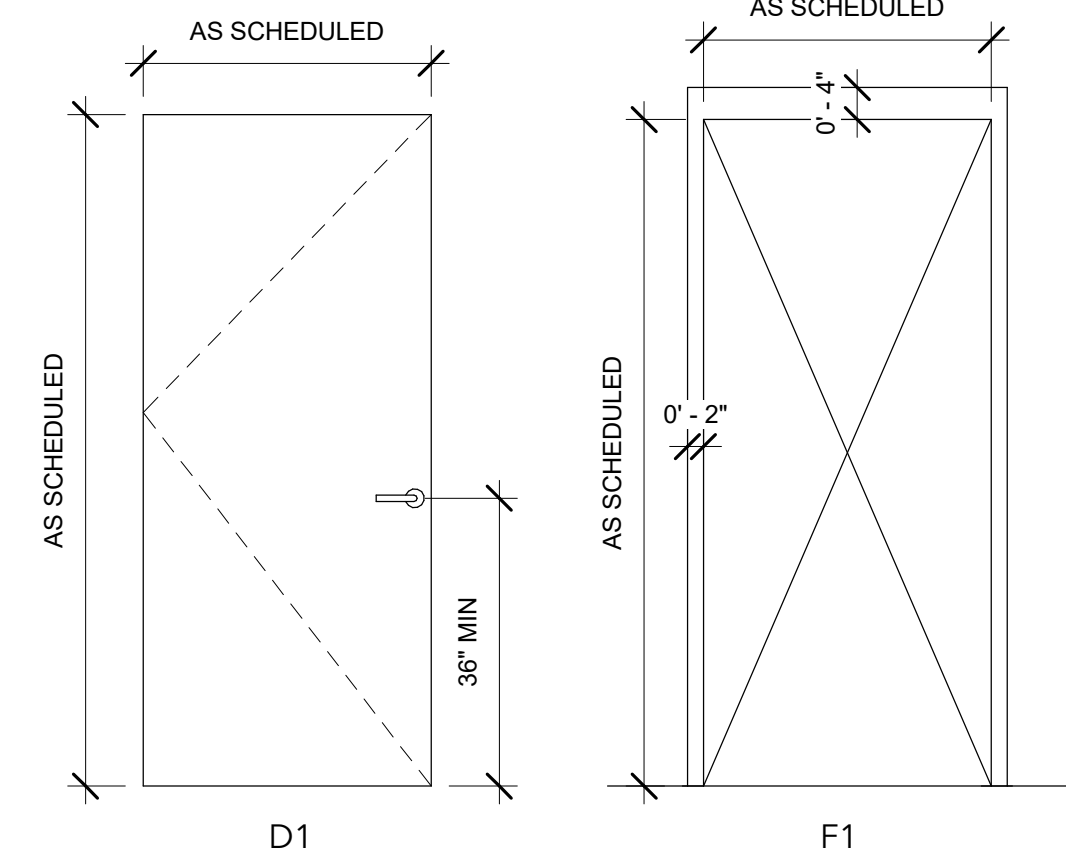


F1 TYP. BATHROOM ELEVATIONS
1/2" = 1'-0"



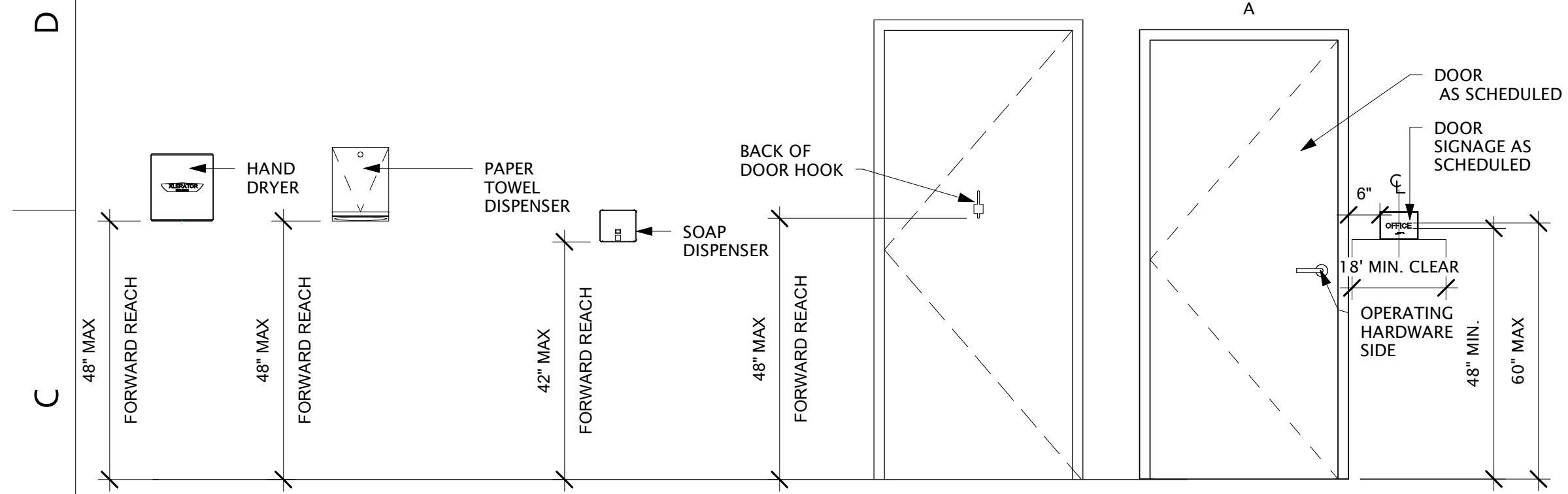
E1 HJS DETAILS
1 1/2" = 1'-0"

E3 WALL CAP DETAIL
6" = 1'-0"



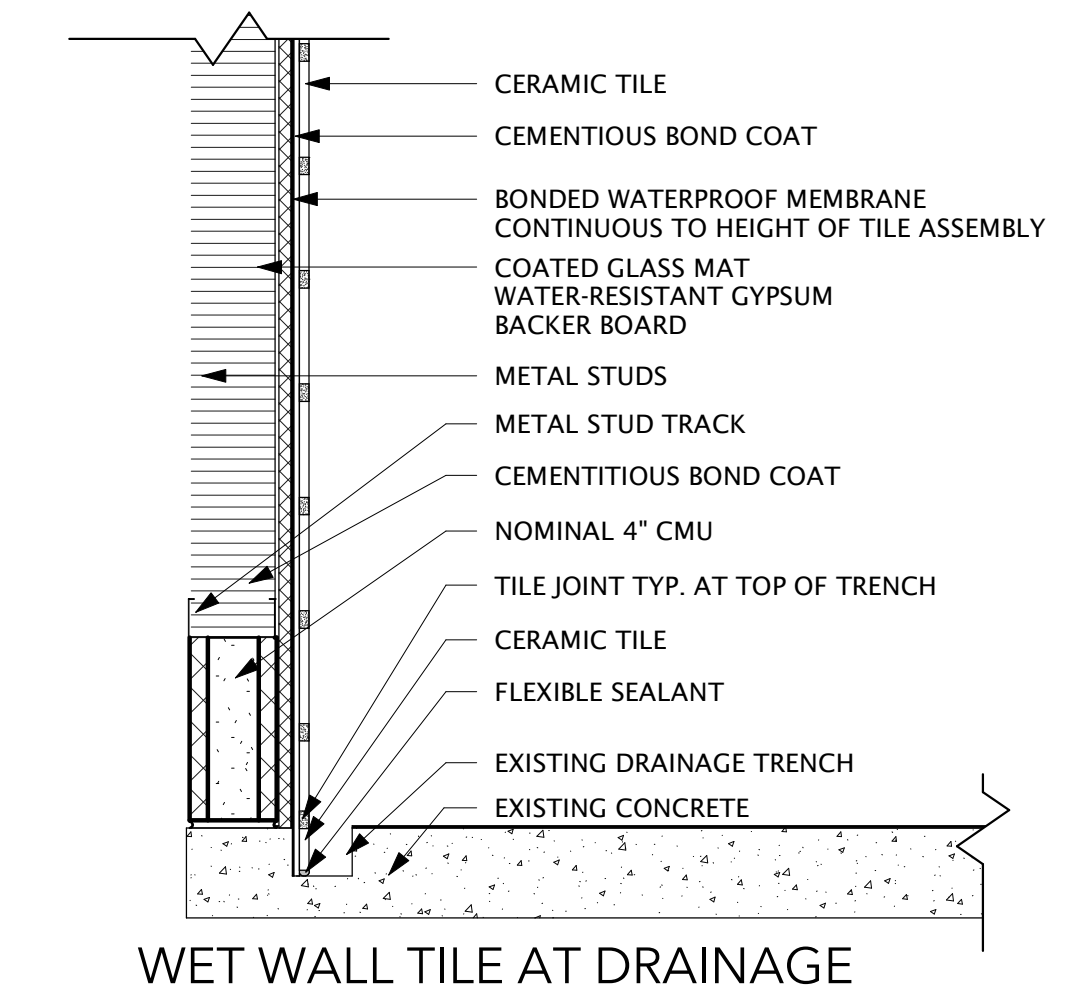
E7 ALTERNATE 2- MARBLE THRESHOLD DETAIL
3" = 1'-0"

E9 ALT 2 EPOXY TRANSITION TO EXISTING CONC DETAIL
3" = 1'-0"

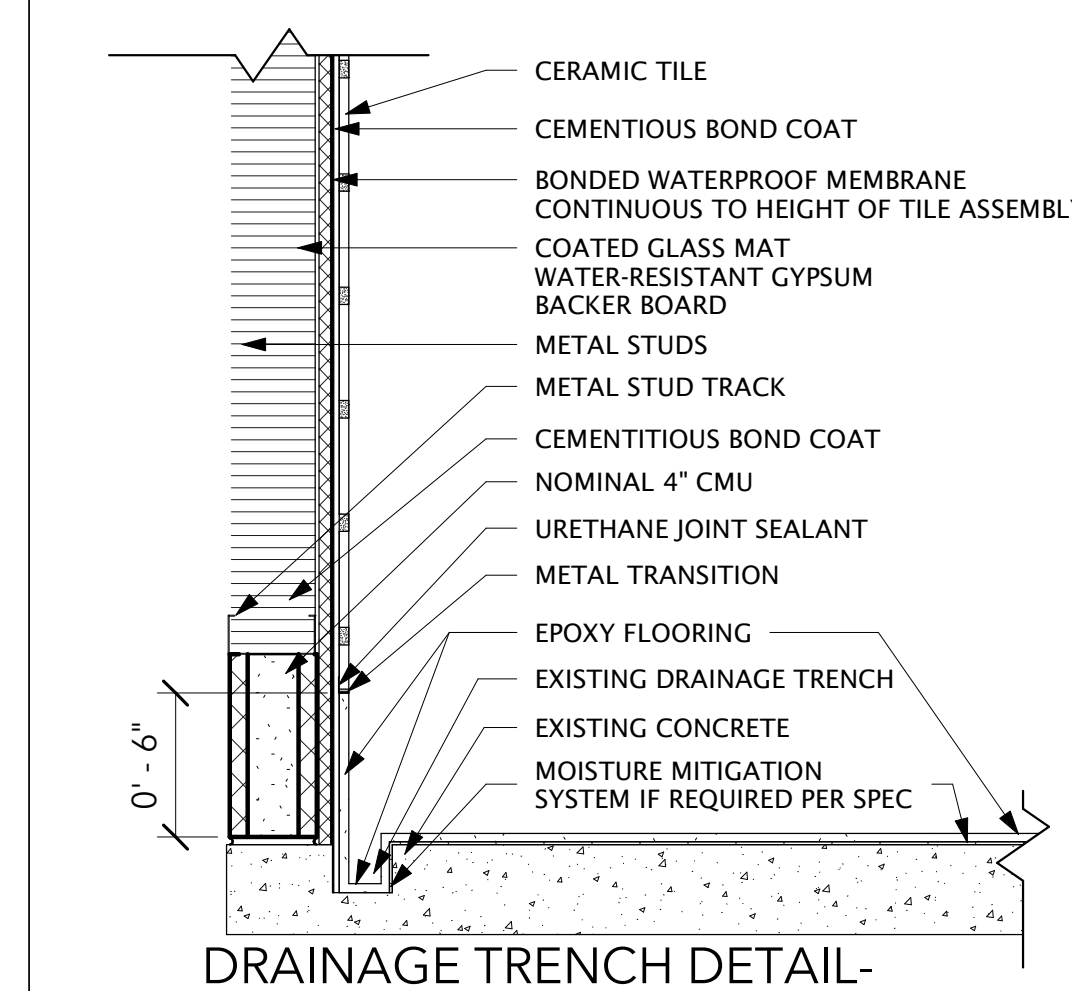


C1 TYP. FORWARD REACH HEIGHTS
1/2" = 1'-0"

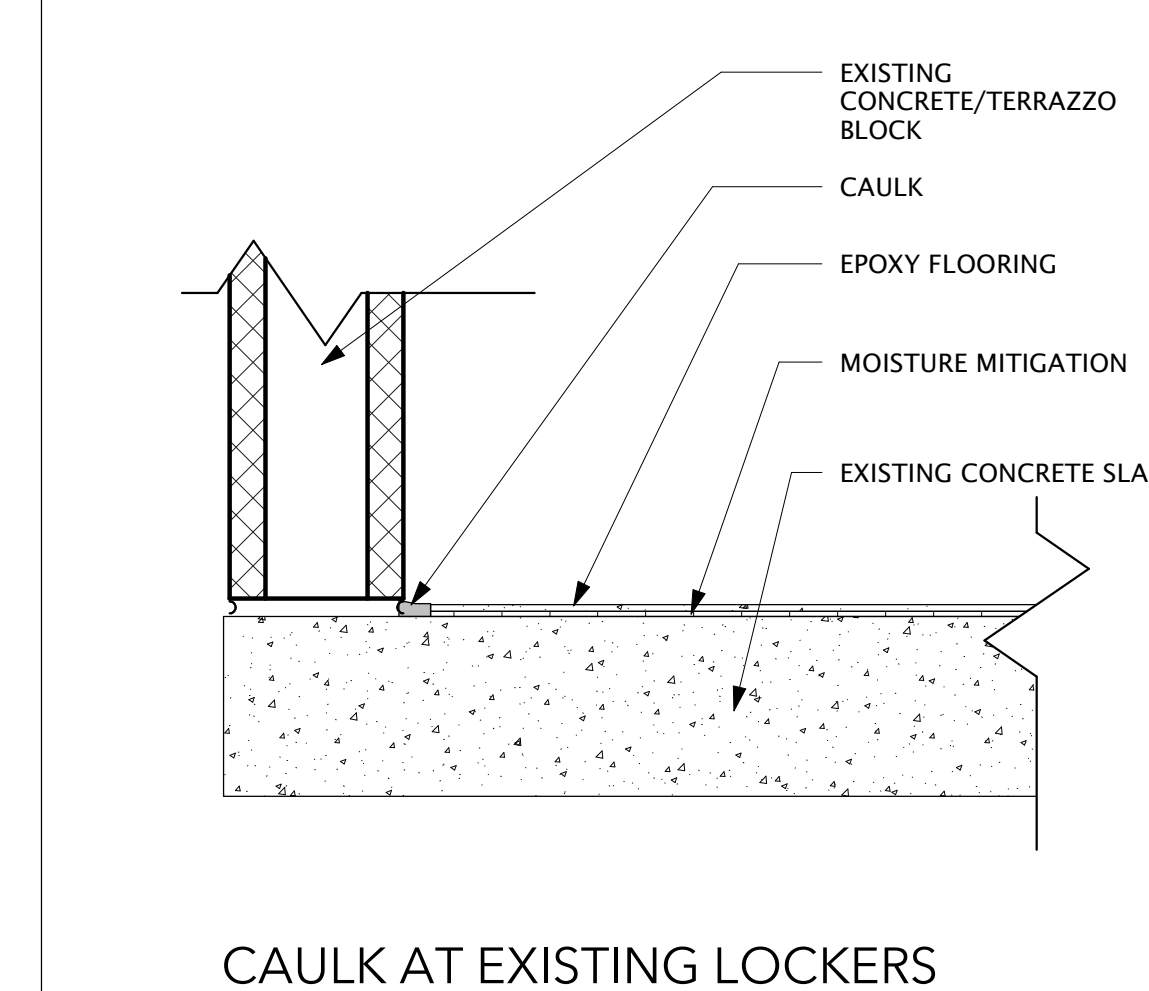
C3 TYP. SIGNAGE DETAILS
1/2" = 1'-0"



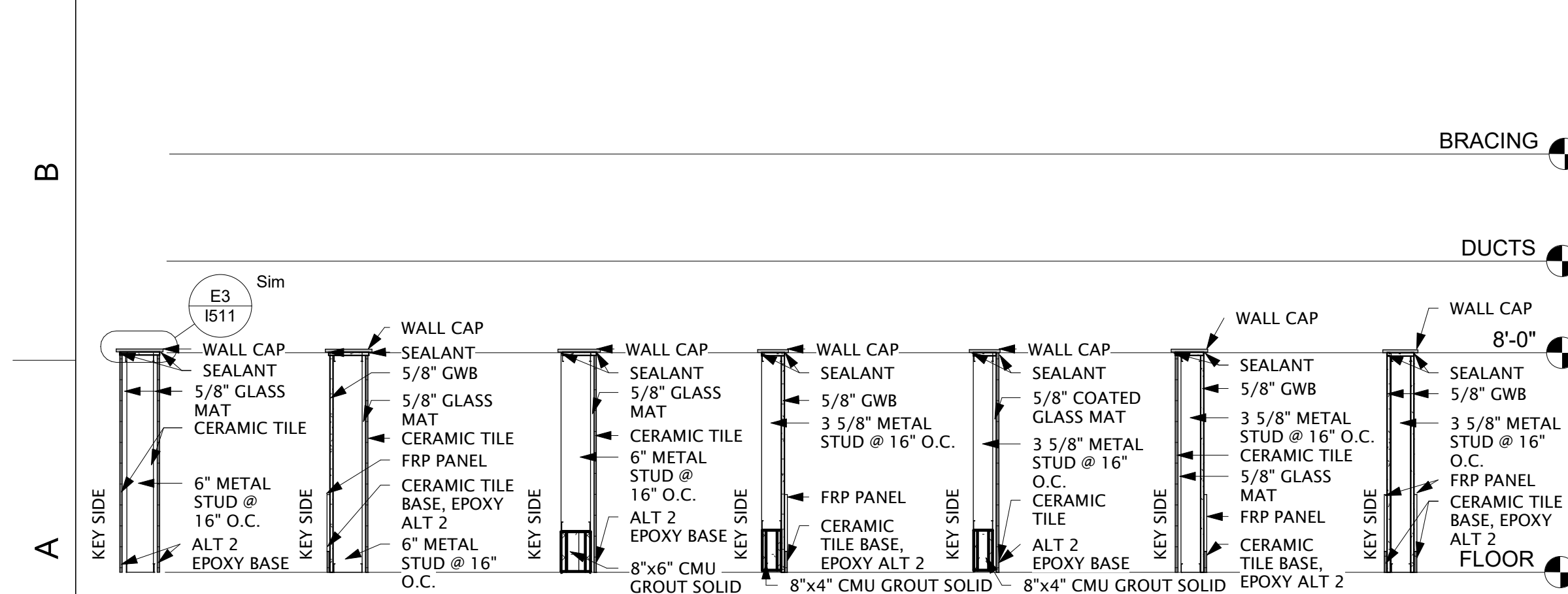
C5 WET WALL TILE AT DRAINAGE TRENCH DETAIL
1 1/2" = 1'-0"



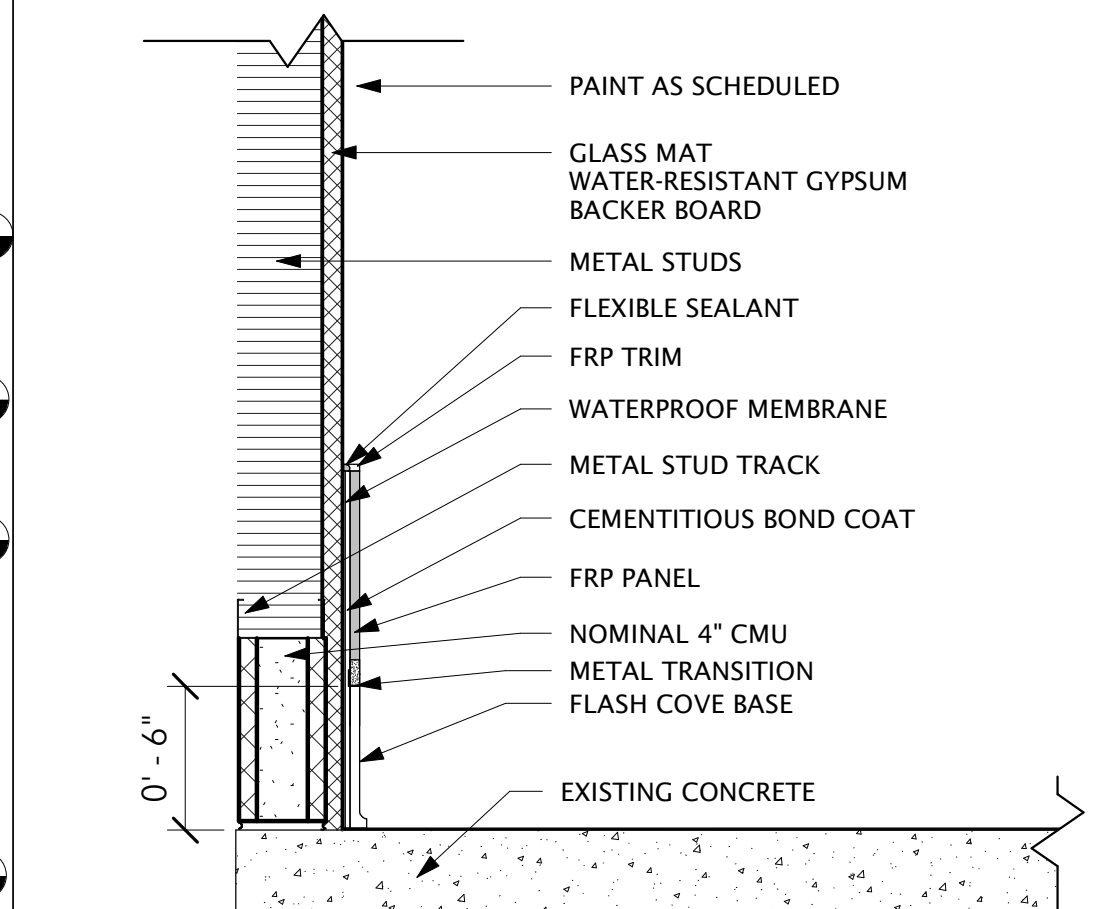
C7 DRAINAGE TRENCH DETAIL- EPOXY ALTERNATE 2
1 1/2" = 1'-0"



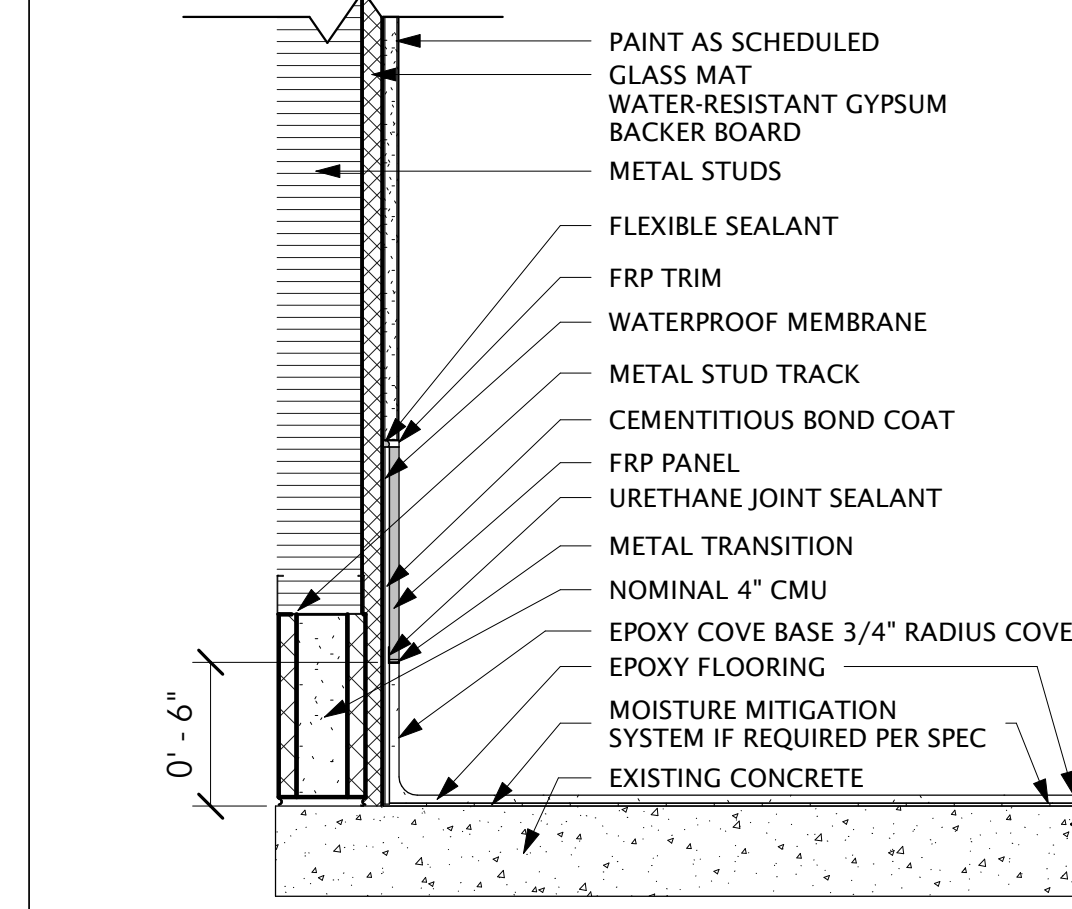
C9 CAULK AT EXISTING LOCKERS FLOOR DETAIL
3" = 1'-0"



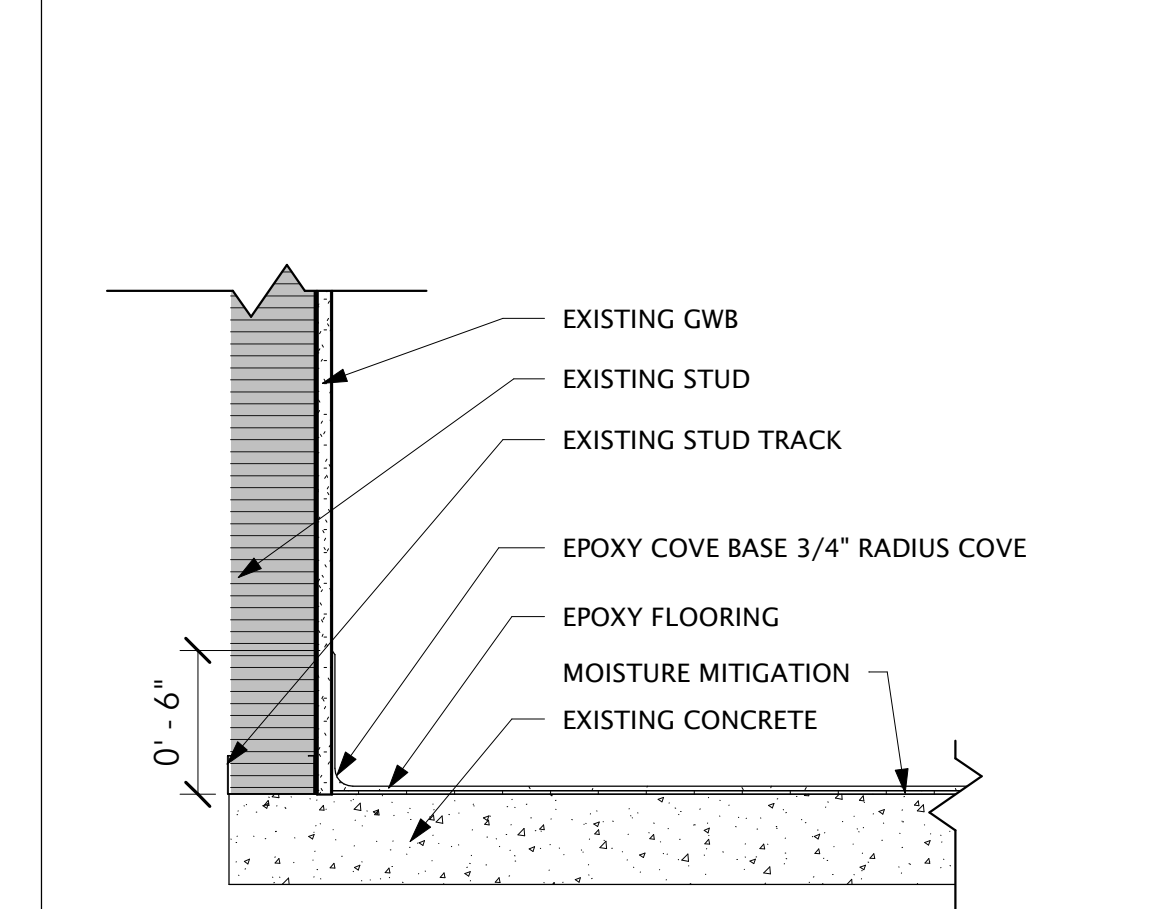
A1 P5-6 PARTITION TYPES
1/2" = 1'-0"



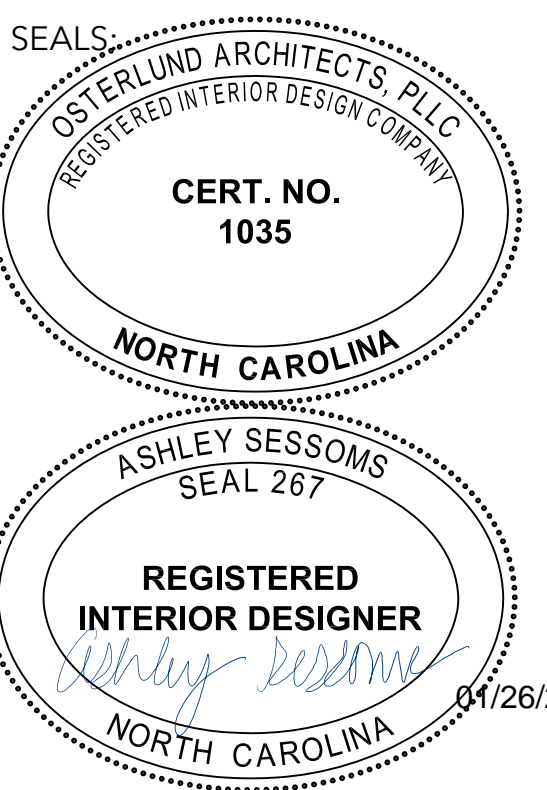
A5 WET WALL TILE DETAIL- EPOXY ALTERNATE 2
1 1/2" = 1'-0"



A7 WET WALL TILE DETAIL- EPOXY ALTERNATE 2
1 1/2" = 1'-0"



A9 ALT 2 EPOXY AT EXISTING ENTRY WALLS DETAIL
1 1/2" = 1'-0"



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INTERIOR DETAILS

G

F

E

D

C

B

A

DOOR AND FRAME SCHEDULE

MARK	DOOR			FRAME								FIRE RATING	HARDWARE		NOTES	
	SIZE			MATL	EL	GLZ	MATL	EL	GLZ	DETAIL			SET NO.	KEYSIDE RM NO		
	W	HT	THK							HEAD	JAMB					SILL
D104A	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	104E	
D104B	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	104E	
D104C	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	104F	
D104D	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	104F	
D106A	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	106E	
D106B	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	106F	
D106C	2' - 0"	7' - 0"	0' - 1"	FRP	D1	-	HM	F1	-	H1	J1	-	-	A	106F	

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	WALLS				NOTES
				N	E	S	W	
104A	SINKS	EXISTING CONC / ALT 2: EPOXY	CT-1B / ALT 2: EPOXY COVE	PNT-2	-	CERAMIC TILE	-	SEE ELEVATION D1/I201 FOR TILE DESIGN
104B	SHOWERS	EXISTING CONC / ALT 2: EPOXY	CT-1B / ALT 2: EPOXY COVE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	SEE ELEVATIONS ON I201 AND I202 FOR TILE DESIGNS
104C	TOILETS	EXISTING CONC / ALT 2: EPOXY	CT-1B / ALT 2: EPOXY COVE	PNT-1, FRP-1	PNT-1, FRP-1	-	PNT-1, FRP-1	
104D	CHANGING AREA	EXISTING CONC / ALT 2: EPOXY	SEE FINISH PLAN ON I411	PNT-2	PNT-2	-	-	
104E	MECH. CHASE	EXISTING CONCRETE	-	-	-	-	-	
104F	MECH. CHASE	EXISTING CONCRETE	-	-	-	-	-	
105	CUST.	EXISTING CONCRETE	-	-	-	-	-	
106A	SINKS	EXISTING CONC / ALT 2: EPOXY	CT-1B / ALT 2: EPOXY COVE	CERAMIC TILE	-	PNT-3	-	SEE ELEVATION A5/I204 FOR TILE DESIGN
106B	SHOWERS	EXISTING CONC / ALT 2: EPOXY	CT-1B / ALT 2: EPOXY COVE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	SEE ELEVATIONS ON I203 AND I204 FOR TILE DESIGN
106C	TOILETS	EXISTING CONC / ALT 2: EPOXY	CT-1B / ALT 2: EPOXY COVE	PNT-1	PNT-1, FRP-1	PNT-1, FRP-1	PNT-1, FRP-1	
106D	CHANGING AREA	EXISTING CONC / ALT 2: EPOXY	SEE FINISH PLAN ON I412	-	PNT-3	PNT-3	-	
106E	MECH. CHASE	EXISTING CONCRETE	-	-	-	-	-	
106F	MECH. CHASE	EXISTING CONCRETE	-	-	-	-	-	
107	CUST.	EXISTING CONCRETE	-	-	-	-	-	

SPECIALTY EQUIPMENT SCHEDULE

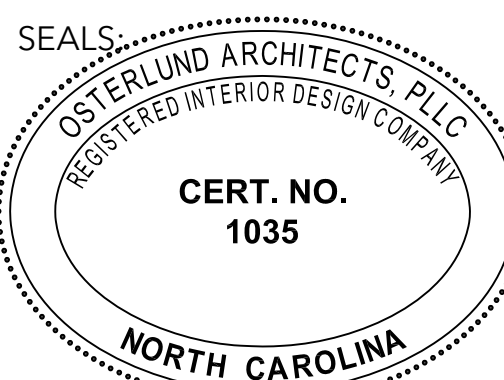
TYPE MARK	NAME	PROVIDED BY	INSTALLED BY
SP-1	36" x 56" TOILET COMPARTMENT	SALVAGED	GC
SP-1.1	34" x 66" TOILET COMPARTMENT	SALVAGED	GC
SP-1.2	34" x 66" OUT-SWING TOILET COMPARTMENT	SALVAGED	GC
SP-1.3	34"X60" TOILET COMPARTMENT	SALVAGED	GC
SP-1.4	34"X67" TOILET COMPARTMENT	SALVAGED	GC
SP-1.5	38" X 60" TOILET COMPARTMENT	SALVAGED	GC
SP-1.6	36" x 66" OUT-SWING TOILET COMPARTMENT	SALVAGED	GC
SP-1.7	37" x 66" TOILET COMPARTMENT	SALVAGED	GC
SP-2	60" x 60" TOILET COMPARTMENT	SALVAGED	GC
SP-3	23" x 42" URINAL SCREEN	SALVAGED	GC
SP-4	60" x 67" TOILET COMPARTMENT	SALVAGED	GC
SP-5	6' L SHOWER PARTITION	SALVAGED	GC
SP-6	ACCESSIBLE SHOWER SEAT	SALVAGED	GC
SP-7	36" HORIZONTAL BACK GRAB BAR	SALVAGED	GC
SP-9	42" SIDE GRAB BAR	SALVAGED	GC
SP-10	NEW 18" VERTICAL GRAB BAR	GC	GC
SP-11	TOILET PAPER DISPENSER	SALVAGED	GC
SP-12	NEW SANITARY NAPKIN DISPOSAL	GC	GC
SP-13	L SHAPED GRAB BAR	SALVAGED	GC
SP-14	BABY CHANGING STATION	EXIST. TO REMAIN	GC
SP-15	HAND DRYER	SALVAGED	GC
SP-16	INSULATED DRAIN PIPE	SALVAGED	GC
SP-17	SOAP DISPENSER	SALVAGED	GC
SP-18	PAPER TOWEL DISPENSER	EXIST. TO REMAIN	EXIS. TO REMAIN
SP-21	METAL SHELF 14" L X 2"H X 3 3/8"D	GC	GC
SP-22	NEW MIRROR W/ SHELF 18"X36"	GC	GC

OPTIMIST POOL BATHHOUSE

REPAIRS

5902 WHITTIER DR. RALEIGH, NC 27609

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INTERIOR SCHEDULES

1601

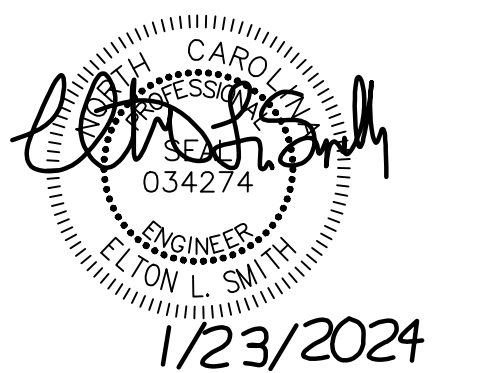
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PROJECT No.: 2325

**OPTIMIST POOL BATHHOUSE
REPAIRS**
 5902 WHITTIER DR., RALEIGH, NC 27609
CITY OF RALEIGH
 RALEIGH, NC

SEALS:



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PLUMBING
COVER SHEET

P001

PLUMBING LEGEND					
SYMBOL SCHEDULE	ABBREVIATIONS				
	DOMESTIC COLD WATER	AFC	ABOVE FINISH CEILING	HD	HUB DRAIN
	DOMESTIC HOT WATER SUPPLY	AFB	ABOVE FINISH FLOOR	GCO	GRADE CLEANOUT
	DOMESTIC HOT WATER RETURN	AFG	ABOVE FINISH GRADE	HWS	HOT WATER SUPPLY
	GAS	AFH	ANTI-FREEZE HYDRANT	HWR	HOT WATER RETURN
	WASTE	AAV	AIR ADMITTANCE VALVE	IW	INDIRECT WASTE
	VENT	BFF	BELOW FINISHED FLOOR	LAV	LAVATORY
	CAST IRON CLEANOUT	CI	CAST IRON CLEANOUT	TYP	TYPICAL URINAL
	COLD WATER	CW	COLD WATER	V	VENT
	DO NOT TAP	DNT	DO NOT TAP	VTR	VENT THRU ROOF
	ELECTRIC WATER COOLER (EX)	EWC	ELECTRIC WATER COOLER (EX)	W	WASTE
	EXISTING WATER CLOSET	FCO	FLOOR CLEANOUT	WC	WATER CLOSET
	FLOOR DRAIN	FD	FLOOR DRAIN	WCO	WALL CLEANOUT
	FLOOR DRAIN PARKING	FDP	FLOOR DRAIN PARKING	WHA	WATER HAMMER
	FREEZE-PROOF HOSE BIBB	FPHB	FREEZE-PROOF HOSE BIBB	YCO	YARD CLEANOUT
	GALLONS PER HOUR HOSE BIBB	GPH	GALLONS PER HOUR HOSE BIBB		
	CONNECT TO EXISTING	HB	HOSE BIBB		
	POINT OF DEMOLITION				
	PIPE ELBOW TURNS DOWN; UP				
	PIPE TEES DOWN; UP				
	PIPE CAP				
	BALL VALVE				
	CHECK VALVE				
	CIRCUIT SETTER				
	FLOOR CLEANOUT				
	END-OF-LINE CLEANOUT				
	CLEANOUT AT FINISH WALL (WCO)				

GENERAL PLUMBING NOTES	
1.	NOT ALL SYMBOLS AND ABBREVIATIONS SHOWN ON THIS DRAWING MAY BE USED ON THIS PROJECT.
2.	ALL PLUMBING WORK SHALL BE FURNISHED AND INSTALLED PER THE STATE OF NORTH CAROLINA BUILDING CODE: PLUMBING CODE 2018.
3.	UNLESS OTHERWISE NOTED ON DRAWINGS, ALL 1/2"-2 1/2" SANITARY WASTE AND VENT PIPING SHALL BE RUN AT 1/8" PER FT SLOPE. ALL 3"-6" SANITARY WASTE AND VENT PIPING SHALL BE RUN AT 1/8" PER FT SLOPE. ALL WASTE AND VENT PIPING 8" OR LARGER SHALL BE RUN AT 1/8" PER FT SLOPE. ALL STORM DRAINAGE PIPING SHALL BE RUN AT 1/8" PER FT SLOPE.
4.	THE DESIGN/DETAIL/SCHEDULE SHOWN IS BASED ON (MANUFACTURER, MODEL) EQUIPMENT AND IS INTENDED ONLY TO SHOW THE GENERAL SIZE, CONFIGURATION, LOCATION, CONNECTIONS, AND/OR SUPPORT FOR EQUIPMENT OR SYSTEMS SPECIFIED WITH RELATION TO THE OTHER BUILDING SYSTEMS.
5.	INSTALL ALL PIPING AT THE MAXIMUM ELEVATION POSSIBLE. PROVIDE ALL FITTINGS, TRANSITIONS AND MATERIALS REQUIRED TO ACHIEVE MAXIMUM ELEVATION. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO THE START OF WORK TO AVOID CONFLICTS.
6.	CONTRACTOR SHALL FURNISH ALL DISCONNECTS REQUIRED FOR PLUMBING EQUIPMENT.
7.	CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL MANUFACTURER SUBSTITUTIONS OF PLUMBING EQUIPMENT. SUBMIT A DESCRIPTION OF ANY/ALL CHANGES REQUIRED BY THE SUBSTITUTION, INCLUDING ELECTRICAL AND MECHANICAL CONNECTIONS, SIZES, WEIGHTS, AND CLEARANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COST ASSOCIATED WITH THE SUBSTITUTION.
8.	THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS. THE CONTRACTOR SHALL INFORM THE ARCHITECT AND/OR ENGINEER OF ANY CONFLICTS AS SOON AS THEY ARE DETECTED.
9.	CONTRACTORS MUST CAREFULLY COORDINATE THE ARRANGEMENT AND INSTALLATION OF THE DUCT, PIPING, AND CONDUIT IN THE MECHANICAL CHASES PRIOR TO THE START OF WORK. ALL PENETRATIONS SHALL BE SLEEVED AND FIRE-PROOFED.
10.	ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED "EX", "EXISTING", OR "EXIST."
11.	VERIFY LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
12.	THESE DRAWINGS ARE NECESSARILY DIAGRAMMATIC IN NATURE. NOT ALL FITTINGS, OFFSETS, VENTS, OR DRAINS ARE SHOWN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND INCLUDE ALL FITTINGS, OFFSETS, VENTS, AND DRAINS AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.

FIXTURE PLUMBING SCHEDULE												
MARK	FIXTURE	FIXTURE			FAUCET					REMARKS	ADA?	
		SPECIFICATION/DESCRIPTION	SAN	VENT	PICTURE	DESCRIPTION	COLD WATER	HOT WATER	FLOW RATE			
P-1	WATER CLOSET	EXISTING WALL MOUNTED WATER CLOSET TO BE CLEANED AND RE-INSTALLED. PROVIDE NEW FLUSH VALVE, WALL SUPPORT, TRIM KIT, AND GASKET.	4"	2"	-	ZURN Z6000AV-WS1 OR EQUAL 1.6 GPF MANUAL FLUSH VALVE. PROVIDE WITH NON-HOLD OPEN HANDLE. REFER TO ARCHITECTURAL FOR ADA UNITS.	1"	-	1.6GPF		PROVIDE NEW ADJUSTABLE FIXTURE SUPPORT EQUAL TO JAY R. SMITH 0208Y SUPPORT LEGS & PLATE ONLY. COMPLETE WITH TRIM KIT & GASKET. NO-HUB HORIZONTAL WASTE & VENT FITTING TO REMAIN.	
P-2	URINAL	EXISTING WALL MOUNTED URINAL TO BE CLEANED AND RE-INSTALLED. PROVIDE NEW FLUSH VALVE, TRIM KIT, AND GASKET.	2"	1 1/2"	-	ZURN Z8003AV-EWS OR EQUAL 0.5 GPF MANUAL FLUSH VALVE. PROVIDE WITH NON-HOLD OPEN HANDLE. REFER TO ARCHITECTURAL FOR ADA UNITS.	3/4"	-	0.5GPM		CLEAN, PAINT, AND RE-INSTALL EXISTING URINAL SUPPORT. PROVIDE NEW TRIM KIT AND GASKET.	
P-3	WALL MOUNTED LAVATORY	EXISTING WALL MOUNTED LAVATORY TO BE CLEANED AND RE-INSTALLED. PROVIDE FAUCET, TRAP, SUPPLIES, ADA INSULATION PACKAGE.	1 1/2"	1 1/4"	-	DELTA 591T1250 OR EQUAL BATTERY OPERATED FAUCET, CAST BRASS ONE-PIECE WITH WATERPROOF SENSOR, COMPLETE WITH SURFACE MOUNT BATTERY PACK	1/2"	1/2"	0.5GPM		PROVIDE WITH 1/2" TURN BALL VALVES. AND CHROME-PLATED P-TRAP w/CLEANOUT. INSTALL TO COMPLY WITH ADA REQUIREMENTS. INSULATE P-TRAP FOR ADA COMPLIANCE. PROVIDE NEW CHROME STRAINER WITH TAILPIECE. CLEAN, PAINT, AND RE-INSTALL EXISTING LAVATORY SUPPORT.	
P-4	SHOWER TRIM	EXISTING SHOWER DRAIN TO REMAIN. COVER AND PROTECT FOR DUST AND DEBRIS DURING ALL PHASES OF CONSTRUCTION.	-	-	-	DELTA T13H163 OR EQUAL SHOWER VALVE COMPLETE WITH MIXING VALVE, CHROME.	1/2"	1/2"	1.5GPM		PROVIDE COMPLETE WITH ROUGH-IN BOX.	-
P-5	SHOWER TRIM	EXISTING SHOWER DRAIN TO REMAIN. COVER AND PROTECT FOR DUST AND DEBRIS DURING ALL PHASES OF CONSTRUCTION.	-	-	-	DELTA T13H153 OR EQUAL SHOWER VALVE & HEAD COMPLETE WITH MIXING VALVE, BRASS ELBOW, HOSE, HANDHELD SHOWER HEAD, 36" BAR, ADJUSTABLE SLIDE, CHROME.	1/2"	1/2"	1.5GPM		PROVIDE COMPLETE WITH ROUGH-IN BOX.	
P-6	HOSE BIBB	INTERIOR DUTY, WITH VACUUM BREAKER	-	-		ZURN Z1341-PC OR EQUAL POLISHED CHROME	3/4"	-	-	-	MOUNT ON PIPE END.	-
P-7	WALL HYDRANT WITH BOX	NARROW WALL HYDRANT	-	-		ZURN 1350 OR EQUAL, CHROME FINISH WITH VACUUM BREAKER	3/4"	-	-	-	PROVIDE HYD-RK-Z1350 KEY AND REPAIR KIT	-
P-8	ELECTRIC WATER COOLER	ELKAY LZ08WSLK "EZ420" OR EQUAL SINGLE STATION WATER COOLER/BOTTLE FILLING STATION. STAINLESS STEEL CONSTRUCTION, VANDAL RESISTANT, WITH FILTER.	1 1/2"	1 1/4"		-	1/2"	-	8GPH	-	PROVIDE WITH SANITARY NO-TOUCH SENSOR ACTIVATION 8 GPH, MOUNT AT ADA HEIGHT. INSTALL BRACING AND SUPPORTS AS NECESSARY. BOTTLE FILLER SHALL DISPLAY BOTTLE SAVINGS. PROVIDE SPARE FILTER.	

NOTES:
1. REFER TO MANUFACTURERS PREFERRED ALTERNATE OF DELTA FAUCETS AND SHOWER TRIM AS WELL AS ZURN FLUSH VALVES IN SPECIFICATIONS.
2. CLEAN AND PREP EXISTING FIXTURES TO BE RE-INSTALLED. MAKE ALL NEW CONNECTIONS OF WASTE, VENT, AND WATER CONNECTIONS TO EXISTING.

G
F
E
D
C
B
A

1 2 3 4 5 6 7 8 9 10

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PROJECT No.: 2325

OPTIMIST POOL BATHHOUSE REPAIRS

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CITY OF RALEIGH
RALEIGH, NC

SEALS:

1/23/2024

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PLUMBING FLOOR PLAN - DEMOLITION

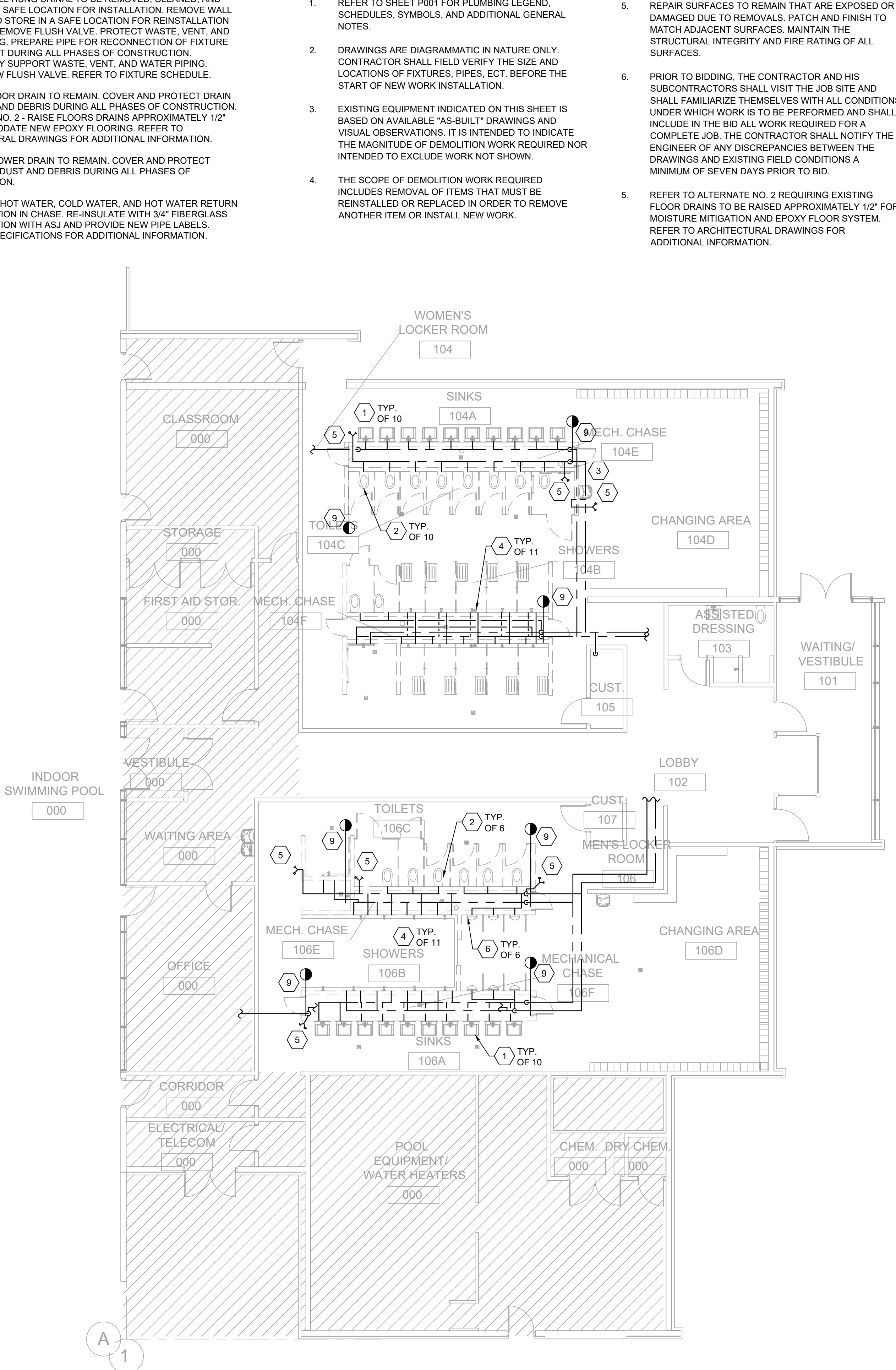
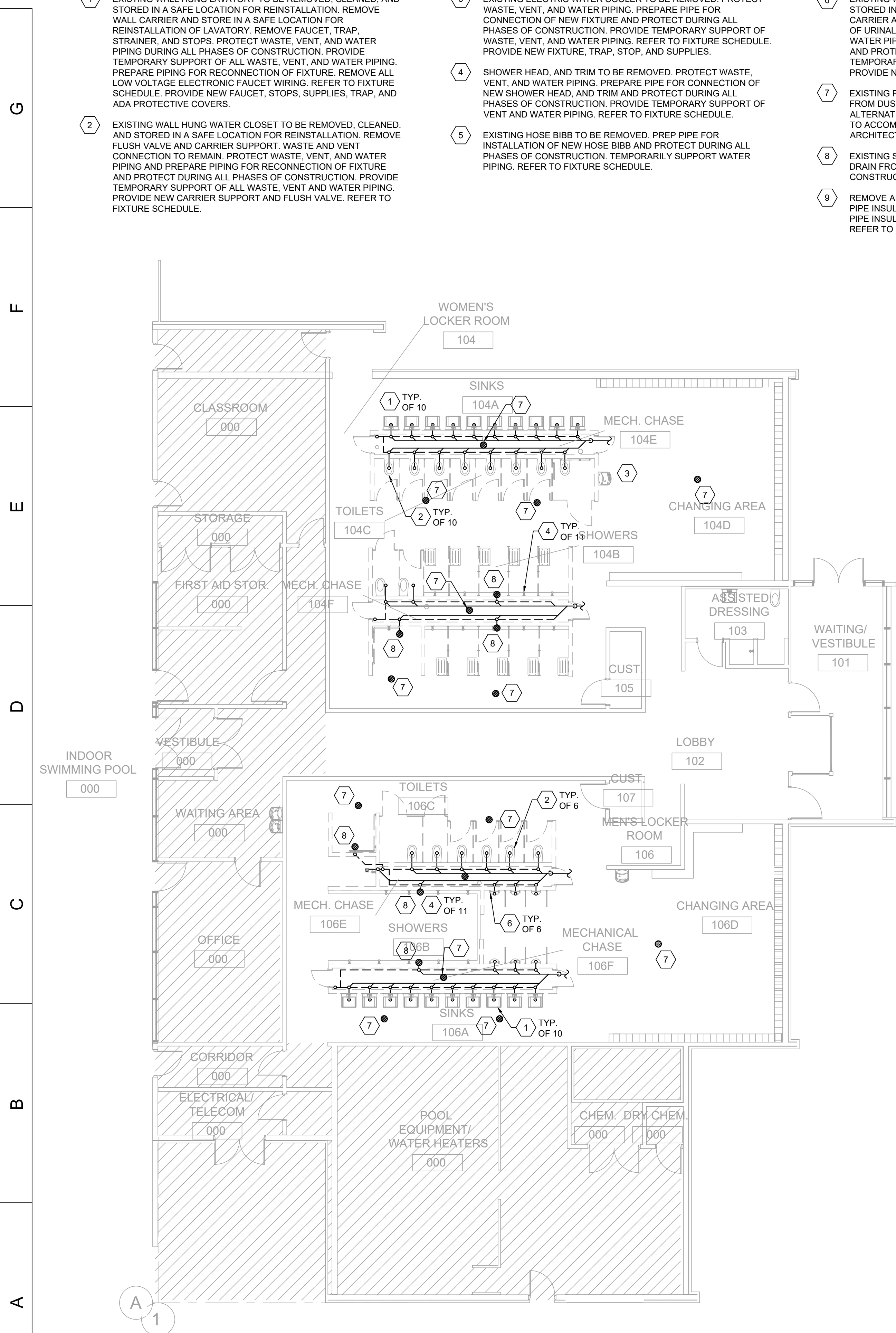
P100

KEYED NOTES:

- 1 EXISTING WALL HUNG LAVATORY TO BE REMOVED, CLEANED, AND STORED IN A SAFE LOCATION FOR REINSTALLATION. REMOVE WALL CARRIER AND STORE IN A SAFE LOCATION FOR REINSTALLATION OF LAVATORY. REMOVE FAUCET, TRAP, STRAINER, AND STOPS. PROTECT WASTE, VENT, AND WATER PIPING DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT OF ALL WASTE, VENT, AND WATER PIPING. PREPARE PIPING FOR RECONNECTION OF FIXTURE. REMOVE ALL LOW VOLTAGE ELECTRONIC FAUCET WIRING. REFER TO FIXTURE SCHEDULE. PROVIDE NEW FAUCET, STOPS, SUPPLIES, TRAP, AND ADA PROTECTIVE COVERS.
- 2 EXISTING WALL HUNG WATER CLOSET TO BE REMOVED, CLEANED, AND STORED IN A SAFE LOCATION FOR REINSTALLATION. REMOVE FLUSH VALVE AND CARRIER SUPPORT. WASTE AND VENT CONNECTION TO REMAIN. PROTECT WASTE, VENT, AND WATER PIPING AND PREPARE PIPING FOR RECONNECTION OF FIXTURE AND PROTECT DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT OF ALL WASTE, VENT AND WATER PIPING. PROVIDE NEW CARRIER SUPPORT AND FLUSH VALVE. REFER TO FIXTURE SCHEDULE.
- 3 EXISTING ELECTRIC WATER COOLER TO BE REMOVED. PROTECT WASTE, VENT, AND WATER PIPING. PREPARE PIPE FOR CONNECTION OF NEW FIXTURE AND PROTECT DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT OF WASTE, VENT, AND WATER PIPING. REFER TO FIXTURE SCHEDULE. PROVIDE NEW FIXTURE, TRAP, STOP, AND SUPPLIES.
- 4 SHOWER HEAD, AND TRIM TO BE REMOVED. PROTECT WASTE, VENT, AND WATER PIPING. PREPARE PIPE FOR CONNECTION OF NEW SHOWER HEAD, AND TRIM AND PROTECT DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY SUPPORT OF VENT AND WATER PIPING. REFER TO FIXTURE SCHEDULE.
- 5 EXISTING HOSE BIBB TO BE REMOVED. PREP PIPE FOR INSTALLATION OF NEW HOSE BIBB AND PROTECT DURING ALL PHASES OF CONSTRUCTION. TEMPORARILY SUPPORT WATER PIPING. REFER TO FIXTURE SCHEDULE.
- 6 EXISTING WALL HUNG URINAL TO BE REMOVED, CLEANED, AND STORED IN A SAFE LOCATION FOR INSTALLATION. REMOVE WALL CARRIER AND STORE IN A SAFE LOCATION FOR REINSTALLATION OF URINAL. REMOVE FLUSH VALVE, PROTECT WASTE, VENT, AND WATER PIPING. PREPARE PIPE FOR RECONNECTION OF FIXTURE AND PROTECT DURING ALL PHASES OF CONSTRUCTION. TEMPORARILY SUPPORT WASTE, VENT, AND WATER PIPING. PROVIDE NEW FLUSH VALVE. REFER TO FIXTURE SCHEDULE.
- 7 EXISTING FLOOR DRAIN TO REMAIN. COVER AND PROTECT DRAIN FROM DUST AND DEBRIS DURING ALL PHASES OF CONSTRUCTION. ALTERNATE NO. 2 - RAISE FLOOR DRAINS APPROXIMATELY 1/2" TO ACCOMMODATE NEW EPOXY FLOORING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 8 EXISTING SHOWER DRAIN TO REMAIN. COVER AND PROTECT DRAIN FROM DUST AND DEBRIS DURING ALL PHASES OF CONSTRUCTION.
- 9 REMOVE ALL HOT WATER, COLD WATER, AND HOT WATER RETURN PIPE INSULATION IN CHASE. RE-INSULATE WITH 3/4" FIBERGLASS PIPE INSULATION WITH ASJ AND PROVIDE NEW PIPE LABELS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

- 1. REFER TO SHEET P001 FOR PLUMBING LEGEND, SCHEDULES, SYMBOLS, AND ADDITIONAL GENERAL NOTES.
- 2. DRAWINGS ARE DIAGRAMMATIC IN NATURE ONLY. CONTRACTOR SHALL FIELD VERIFY THE SIZE AND LOCATIONS OF FIXTURES, PIPES, ECT. BEFORE THE START OF NEW WORK INSTALLATION.
- 3. EXISTING EQUIPMENT INDICATED ON THIS SHEET IS BASED ON AVAILABLE "AS-BUILT" DRAWINGS AND VISUAL OBSERVATIONS. IT IS INTENDED TO INDICATE THE MAGNITUDE OF DEMOLITION WORK REQUIRED NOR INTENDED TO EXCLUDE WORK NOT SHOWN.
- 4. THE SCOPE OF DEMOLITION WORK REQUIRED INCLUDES REMOVAL OF ITEMS THAT MUST BE REINSTALLED OR REPLACED IN ORDER TO REMOVE ANOTHER ITEM OR INSTALL NEW WORK.
- 5. REPAIR SURFACES TO REMAIN THAT ARE EXPOSED OR DAMAGED DUE TO REMOVALS. PATCH AND FINISH TO MATCH ADJACENT SURFACES. MAINTAIN THE STRUCTURAL INTEGRITY AND FIRE RATING OF ALL SURFACES.
- 6. PRIOR TO BIDDING, THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED AND SHALL INCLUDE IN THE BID ALL WORK REQUIRED FOR A COMPLETE JOB. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING FIELD CONDITIONS A MINIMUM OF SEVEN DAYS PRIOR TO BID.
- 7. REFER TO ALTERNATE NO. 2 REQUIRING EXISTING FLOOR DRAINS TO BE RAISED APPROXIMATELY 1/2" FOR MOISTURE MITIGATION AND EPOXY FLOOR SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



1 PLUMBING WASTE AND VENT DEMOLITION FLOOR PLAN
1/8" = 1'-0"

2 PLUMBING WATER DEMOLITION FLOOR PLAN
1/8" = 1'-0"

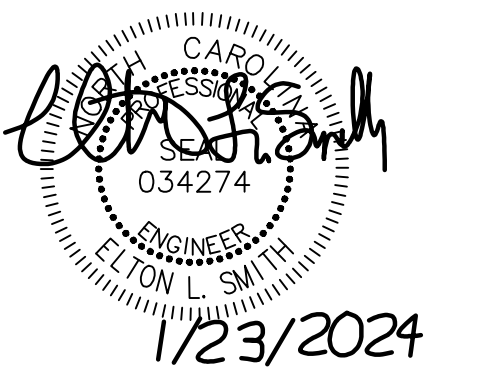
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CONSULTANTS:
SIGMA
5909 Falls of Neuse Rd Ste 101
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PROJECT No.: 2325

OPTIMIST POOL BATHHOUSE
REPAIRS
5902 WHITTIER DR. RALEIGH, NC 27609
CITY OF RALEIGH
RALEIGH, NC

SEALS:



ISSUE: CONSTRUCTION
DATE: 01/26/2024
DRAWN BY: ELS
REVISIONS:

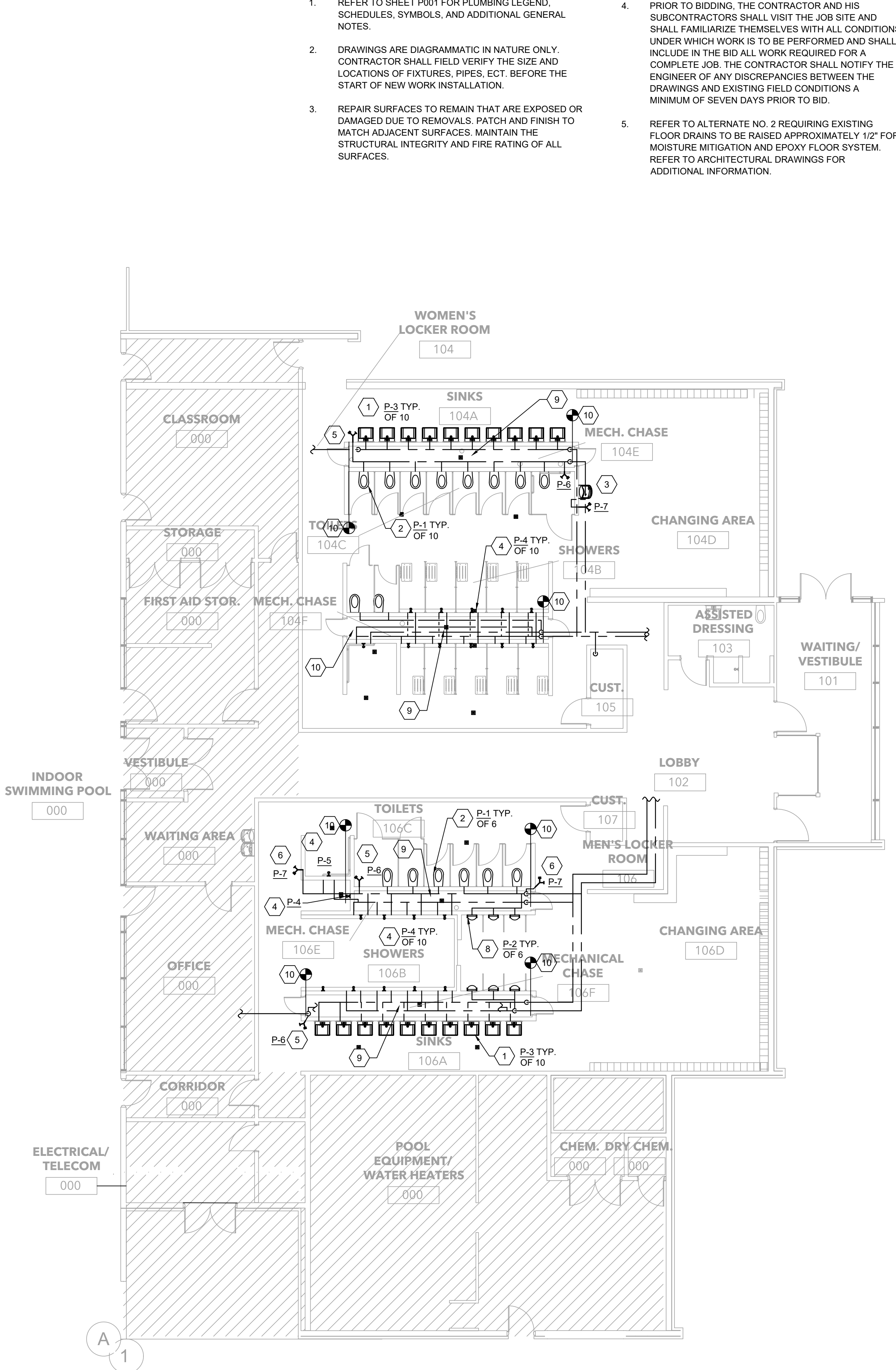
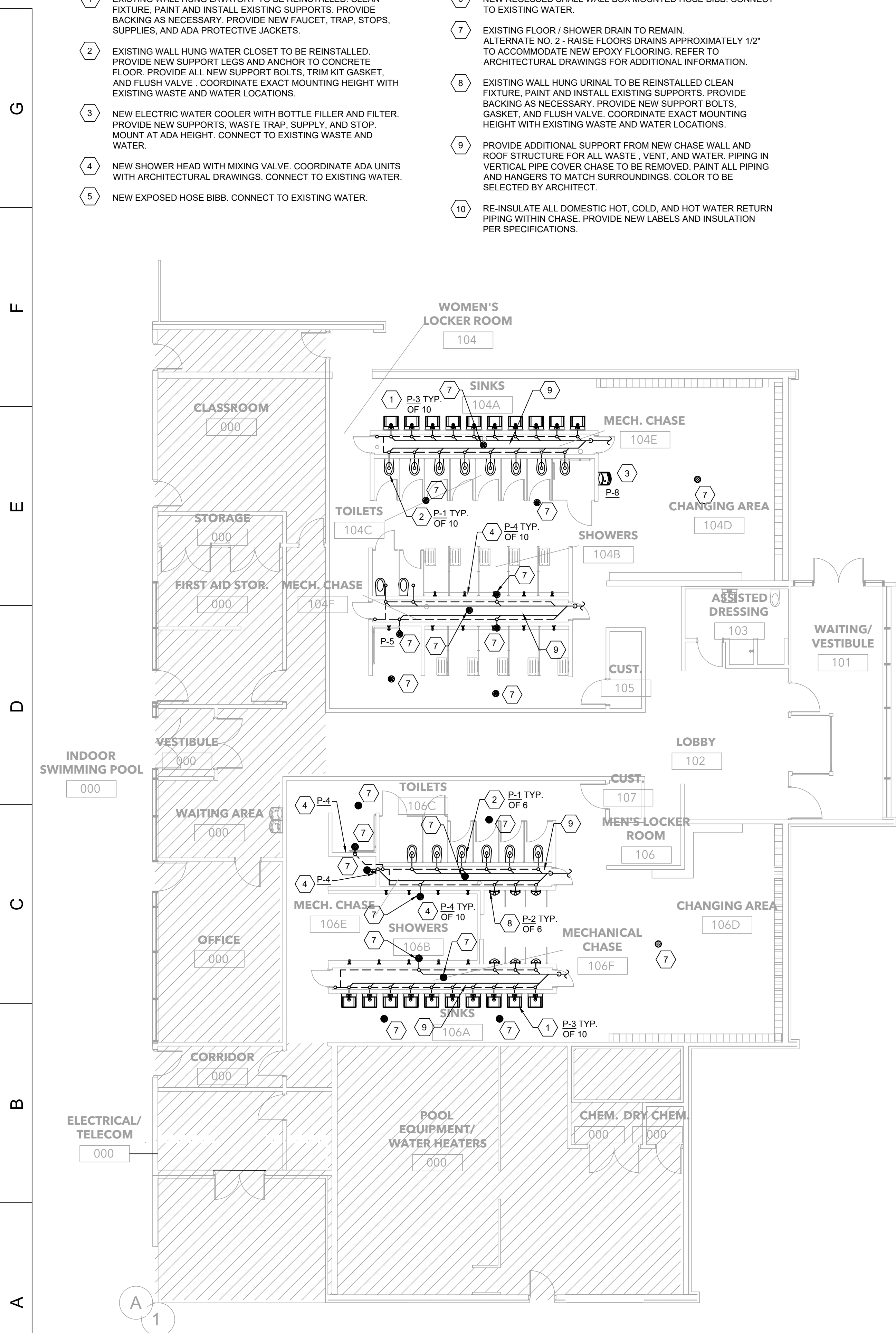
PLUMBING FLOOR PLAN - NEW WORK

GENERAL NOTES:

- REFER TO SHEET P001 FOR PLUMBING LEGEND, SCHEDULES, SYMBOLS, AND ADDITIONAL GENERAL NOTES.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE ONLY. CONTRACTOR SHALL FIELD VERIFY THE SIZE AND LOCATIONS OF FIXTURES, PIPES, ECT. BEFORE THE START OF NEW WORK INSTALLATION.
- REPAIR SURFACES TO REMAIN THAT ARE EXPOSED OR DAMAGED DUE TO REMOVALS. PATCH AND FINISH TO MATCH ADJACENT SURFACES. MAINTAIN THE STRUCTURAL INTEGRITY AND FIRE RATING OF ALL SURFACES.
- PRIOR TO BIDDING, THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED AND SHALL INCLUDE IN THE BID ALL WORK REQUIRED FOR A COMPLETE JOB. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING FIELD CONDITIONS A MINIMUM OF SEVEN DAYS PRIOR TO BID.
- REFER TO ALTERNATE NO. 2 REQUIRING EXISTING FLOOR DRAINS TO BE RAISED APPROXIMATELY 1/2" FOR MOISTURE MITIGATION AND EPOXY FLOOR SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

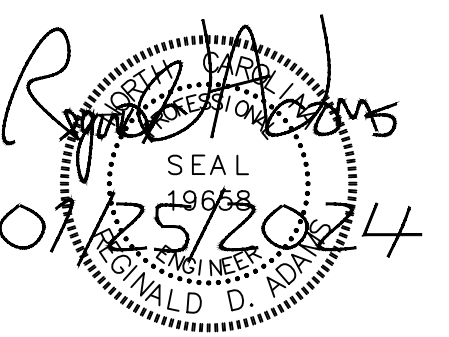
KEYED NOTES:

- EXISTING WALL HUNG LAVATORY TO BE REINSTALLED. CLEAN FIXTURE, PAINT AND INSTALL EXISTING SUPPORTS. PROVIDE BACKING AS NECESSARY. PROVIDE NEW FAUCET, TRAP, STOPS, SUPPLIES, AND ADA PROTECTIVE JACKETS.
- EXISTING WALL HUNG WATER CLOSET TO BE REINSTALLED. PROVIDE NEW SUPPORT LEGS AND ANCHOR TO CONCRETE FLOOR. PROVIDE ALL NEW SUPPORT BOLTS, TRIM KIT GASKET, AND FLUSH VALVE. COORDINATE EXACT MOUNTING HEIGHT WITH EXISTING WASTE AND WATER LOCATIONS.
- NEW ELECTRIC WATER COOLER WITH BOTTLE FILLER AND FILTER. PROVIDE NEW SUPPORTS, WASTE TRAP, SUPPLY, AND STOP. MOUNT AT ADA HEIGHT. CONNECT TO EXISTING WASTE AND WATER.
- NEW SHOWER HEAD WITH MIXING VALVE. COORDINATE ADA UNITS WITH ARCHITECTURAL DRAWINGS. CONNECT TO EXISTING WATER.
- NEW EXPOSED HOSE BIBB. CONNECT TO EXISTING WATER.
- NEW RECESSED SHALL WALL BOX MOUNTED HOSE BIBB. CONNECT TO EXISTING WATER.
- EXISTING FLOOR / SHOWER DRAIN TO REMAIN. ALTERNATE NO. 2 - RAISE FLOOR DRAINS APPROXIMATELY 1/2" TO ACCOMMODATE NEW EPOXY FLOORING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING WALL HUNG URINAL TO BE REINSTALLED CLEAN FIXTURE, PAINT AND INSTALL EXISTING SUPPORTS. PROVIDE BACKING AS NECESSARY. PROVIDE NEW SUPPORT BOLTS, GASKET, AND FLUSH VALVE. COORDINATE EXACT MOUNTING HEIGHT WITH EXISTING WASTE AND WATER LOCATIONS.
- PROVIDE ADDITIONAL SUPPORT FROM NEW CHASE WALL AND ROOF STRUCTURE FOR ALL WASTE, VENT, AND WATER, PIPING IN VERTICAL PIPE COVER CHASE TO BE REMOVED. PAINT ALL PIPING AND HANGERS TO MATCH SURROUNDINGS. COLOR TO BE SELECTED BY ARCHITECT.
- RE-INSULATE ALL DOMESTIC HOT, COLD, AND HOT WATER RETURN PIPING WITHIN CHASE. PROVIDE NEW LABELS AND INSULATION PER SPECIFICATIONS.



1 PLUMBING WASTE AND VENT FLOOR PLAN
1/8" = 1'-0"

2 PLUMBING WATER FLOOR PLAN
1/8" = 1'-0"



GENERAL NOTES

- 1. ALL WORK ON THIS PROJECT SHALL CONFORM TO THE 2020 NEC, ALL LOCAL AND STATE CODES, STATE BUILDING CODE AND REQUIREMENTS BY THE AUTHORITY HAVING JURISDICTION.
- 2. SYMBOLS AND ABBREVIATIONS MAY NOT ALL BE UTILIZED FOR THIS PROJECT.
- 3. UNLESS OTHERWISE INDICATED THE CONTRACTOR, IS RESPONSIBLE FOR ALL CUTTING, CORE- DRILLING AND PATCHING REQUIRED TO INSTALL ELECTRICAL RELATED WORK.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ELECTRICAL RELATED WORK WITH OTHER TRADES. THE CONTRACTOR IS CAUTIONED THAT IT IS TOTALLY HIS RESPONSIBILITY TO COORDINATE HANGERS AND SUPPORTS WITH OTHER TRADES. ADDITIONAL REQUIRED HANGERS & SUPPORTS MUST BE IN PLACE PRIOR TO APPLICATION OF FIRE PROOFING MATERIAL. ANY DAMAGE INCURRED ON FIRE PROOFING MATERIAL DUE TO INSTALLATION OF ELECTRICAL HANGERS WILL BE REPAIRED BY FIRE PROOFING SUB-CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 5. UTILITIES SERVING AREAS OF THIS PROJECT STILL OCCUPIED BY THE OWNER DURING DEMOLITION AND NEW CONSTRUCTION SHALL BE MAINTAINED UNTIL THE OWNER VACATES THE AREA. UNLESS OTHERWISE NOTED.
- 6. ALL SHUTDOWNS WILL BE COORDINATED AND APPROVED THROUGH THE OWNER'S PROJECT MANAGER AND THE BUILDING MANAGER AND WILL REQUIRE ADVANCE NOTICE OF 10 WORKING DAYS EXCLUDING WEEKEND. THIS TIME LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AT THE OWNER'S DISCRETION. THE SCHEDULING OF SUCH SHUTDOWNS MAY TAKE TWO WEEKS OR MORE AND THE CONTRACTOR MUST BE PREPARED TO WORK SECOND OR THIRD SHIFT, SATURDAY OR SUNDAY AS NECESSARY TO PERFORM THE WORK. FURTHERMORE, IN SOME CASES AN ALTERNATE POWER SOURCE MAY BE REQUIRED, THE CONTRACTOR MUST BE PREPARED TO MAKE TAPS, INSTALL CIRCUIT BREAKERS, ETC., WHILE EXISTING EQUIPMENT IS ENERGIZED. ALL SHUTDOWNS WILL BE INITIATED AND CONTROLLED BY OWNER.
- 7. VISIT THE SITE PRIOR TO BID DATE AND EXAMINE ALL AREAS TO BE DEMOLISHED AND RENOVATED. THOROUGHLY FAMILIARIZE YOURSELF WITH EXISTING CONDITIONS. NO EXTRA COMPENSATION WILL BE GIVEN FOR FAILURE TO THOROUGHLY EXAMINE EXISTING CONDITIONS TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK. "KEYED" NOTES ON THE DEMOLITION DRAWINGS ARE PROVIDED TO ASSIST BIDDERS TO DETERMINE THE SCOPE OF DEMOLITION WORK.
- 8. EXISTING AREAS WHETHER WITHIN OR WITHOUT THE "GENERAL LIMITS OF CONSTRUCTION", SHALL BE REPAIRED WHERE ANY DAMAGE HAS OCCURRED DUE TO CONSTRUCTION BY THE CONTRACTOR.
- 9. ALL AREAS OUTSIDE THE PROJECT LIMITS IN WHICH WORK MUST TAKE PLACE WILL BE CLEANED AND RETURNED TO NORMAL (INCLUSIVE OF CEILING TILE REPLACEMENT) AT THE END OF EACH DAY. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE EACH DAY BEFORE LEAVING THE CONTRACT PROJECT LIMITS REGARDING THE CLEANLINESS OF THE AREA IN WHICH WORK TOOK PLACE OUT SIDE OF THE PROJECT LIMITS.
- 10. WHERE WORK IS TAKING PLACE OUTSIDE THE PROJECT LIMITS CANNOT ALLOW A RETURN TO NORMAL APPEARANCE OF WALLS, CEILING, ETC., AT THE END OF EACH DAY DUE TO ITS EXTENSIVE NATURE; THE CONTRACTOR SHALL ERECT A BLACK PLASTIC CURTAIN AROUND HIS WORK. SUCH A CURTAIN SHALL REMAIN IN PLACE UNTIL THE WORK IS COMPLETE. SUCH CURTAINS WILL HAVE CAUTIONARY SIGNS AFFIXED INDICATING CONSTRUCTION ACTIVITY WITHIN.
- 11. USE 3/4" DEEP MUD RINGS ON BOXES IN 5/8" DRYWALL SO FACE OF RING IS FLUSH WITH FACE OF DRYWALL. PROVIDE CADDY #RLC ADAPTER ON ALL OUTLETS WHERE DRYWALL IS CUT IN EXCESS OF 1/8" LARGER THAN MUD RING OR WHERE THE DEVICE "EARS" ARE NOT SUPPORTED BY THE DRYWALL.
- 12. 20A BRANCH CIRCUIT WIRE SIZING SHALL BE IN ACCORD WITH THE FOLLOWING TABLE:

VOLTS	DISTANCE	REMAINDER (FIRST DEVICE)	OF CIRCUIT
120/208	0' - 50'	#12	#12
	50' - 100'	#10	#12
	100' - 150'	#8	#10
- 13. THE ELECTRICAL CONTRACTOR SHALL VERIFY LOCATION OF LIGHTS, ETC. IN MECHANICAL ROOMS WITH MECHANICAL CONTRACTOR BEFORE ROUGH-IN TO AVOID CONFLICT WITH DUCT WORK AND PLUMBING ROUTING.
- 14. ALL BRANCH CIRCUIT BREAKERS SHALL BE 20A, 1P, WITH 2 #12 AWG #12 GND IN 3/4" MINIMUM CONDUIT, UNLESS OTHERWISE NOTED.
- 15. ALL WIRING LUGS THROUGHOUT THE PROJECT, INCLUDING BUT NOT LIMITED TO BREAKERS, PANELBOARD/SWITCHBOARD LUGS, SAFETY SWITCH LUGS, AND TRANSFORMER LUGS, SHALL BE RATED FOR USE WITH 75 DEGREE CONDUCTORS SIZED IN ACCORDANCE WITH NEC TABLE 310-15 (B) (16).
- 16. ALL RACEWAYS SHALL BE METAL UNLESS SPECIFICALLY NOTED OR APPROVED OTHERWISE.
- 17. CONTRACTOR SHALL MINIMIZE NUMBER OF HOME RUN CONDUITS. CONTRACTOR MAY COMBINE UP TO THREE CIRCUITS PER HOME RUN IN A SINGLE CONDUIT.
- 18. IN GENERAL ALL ELECTRICAL CONDUIT WILL BE RUN AT THE ELEVATION JUST BELOW THE BOTTOM OF THE STRUCTURAL BEAMS. THE CONTRACTOR SHALL OFFSET THE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH ANY DUCTWORK, SPRINKLER OR MECHANICAL PIPING. THE CONTRACTOR SHALL COORDINATE HIS CONDUIT AND RACEWAY LOCATIONS WITH ALL OTHER TRADES BEFORE INSTALLATION.
- 19. THE ROUTING FOR THE RACEWAY SHOWN ON THE DWGS. IS DIAGRAMMATIC ONLY. BASED ON CURSORY FIELD SURVEY BY DESIGNER. CONTRACTOR IS CAUTIONED THAT SPACE ABOVE CLG. IS VERY CONGESTED WITH EXISTING MECHANICAL, ELECTRICAL & PLUMBING ITEMS, AND WORK SPACE IS LIMITED. CONTRACTOR IS REQUIRED TO VISIT THE SITE PRIOR TO BID DATE AND LOOK ABOVE THE CLG. OF THE PROPOSED ROUTING TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. PROVIDE ANY AND ALL ADDITIONAL JB'S, OFFSETS, CONDUITS AND FITTINGS AS REQUIRED TO AVOID ANY EXIST. OBSTRUCTIONS ALONG THE PROPOSED ROUTING. ANY SHUTDOWNS CAUSED BY RELOCATING EXISTING EQUIPMENT SHALL BE COORDINATED WITH OWNER. FAILURE TO EXAMINE EXISTING CONDITIONS AND COORDINATE THE EXACT CONDUIT ROUTING WILL NOT EXCUSE CONTRACTOR FROM PERFORMING ALL DUTIES NECESSARY TO COMPLETE THE WORK. DO NOT ROUTE CONDUIT IN A MANNER THAT WILL BLOCK ACCESS TO EXISTING ITEMS AS JUNCTION BOXES, VALVES, FILTERS OR SERVICE ACCESS TO EQUIPMENT.
- 20. WIRE AND CIRCUIT BREAKERS ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS AND CONDUIT FOR THIS PROJECT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND SHALL VERIFY THE ELECTRICAL DATA FOR EQUIPMENT WHICH WILL ACTUALLY BE INSTALLED BY THE OTHER CONTRACTORS AND RECOMPUTE WIRE AND BREAKER SIZES IF REQUIRED TO COMPLY WITH THE N.E.C.
- 21. LABEL ALL CONDUITS TERMINATING IN THE CEILING CAVITIES.
- 22. ALL CONDUIT (WITH OR WITHOUT WIRES) SHALL BE COLOR CODED WITH 1/2" WIDE TAPE, 10'-0" ON CENTER, IN ACCORDANCE WITH THE FOLLOWING:

120/208 VOLT COMMUNICATION/SOUND	BLACK
FIRE ALARM	GREEN
TELEPHONE	RED
	LIGHT BLUE
- 23. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS, JUNCTION BOXES AND DISCONNECT SWITCHES SHALL BE REVIEWED AND COORDINATED WITH CASEWORK DRAWINGS AND ACTUAL EQUIPMENT LOCATION, PRIOR TO INSTALLATION. ANY DIFFERENCES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- 24. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND FINISHES BEFORE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR THE CEILING TO BE INSTALLED. ANY DIFFERENCES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- 25. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 26. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
- 27. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE. PROVIDE COORDINATION DRAWINGS TO THE ENGINEER FOR APPROVAL. ANY REWORK THAT NEEDS TO BE DONE DO TO CONFLICTS BETWEEN TRADES SHALL BE DONE AT THIS CONTRACTORS EXPENSE.
- 28. ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE SUSPENDED CEILING SYSTEM. REFER TO THE SPECIFICATIONS FOR MORE DETAILED INFORMATION.
- 29. WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS OR THE ROOF, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED WORK.
- 30. IN ALL AREAS WHERE THE FIRE RATED WALLS, FLOORS AND CEILINGS ARE INSTALLED OR ARE EXISTING, ALL PENETRATIONS OF ELECTRICAL CONDUITS OR OTHER RELATED ELECTRICAL MATERIALS SHALL BE PROPERLY SEALED WITH APPROVED FIRE RATED MATERIALS TO MAINTAIN THE RATINGS OF THE BUILDING CONSTRUCTION.
- 31. ALL FUSES, DISCONNECT SWITCHES AND BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.
- 32. UPON COMPLETION OF WORK ALL KEYS TO ELECTRICAL POWER PANELS SHALL BE TURNED OVER TO THE OWNER AND A SIGNED RECEIPT SHALL BE OBTAINED.
- 33. ALL MULTIWIRE BRANCH CIRCUITS NEED TO HAVE SEPARATE NEUTRAL CONDUCTORS TO COMPLY WITH NEC 2020 ARTICLE 210.4. NO SHARED NEUTRAL CONDUCTORS PERMITTED ON THIS PROJECT.
- 34. ANY RECEPTACLE WITH-IN 6'-0" OF A SINK SHALL BE A GROUND FAULT TYPE (GFI) RECEPTACLE.
- 35. ALL WORK ON THIS PROJECT SHALL BE INSTALLED IN COMPLIANCE WITH ANSI A117.1, ADA STANDARDS FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.

ABBREVIATIONS

A	AMPERE, AMMETER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
BFG	BELOW FINISHED GRADE
C	CONDUIT
CATV	CABLE (COMMUNITY) ANTENNA TELEVISION
CU	COPPER
DISC	DISCONNECT
EC	ELECTRICAL CONTRACTOR
EGG	EQUIPMENT GROUNDING CONDUCTOR
EWC	ELECTRIC WATER COOLER
ETR	EXISTING TO REMAIN
FA, F/A	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
GEC	GROUNDING ELECTRODE CONDUCTOR
GC	GENERAL CONTRACTOR
G.GND	GROUND
GF, GFI	GROUND FAULT INTERRUPTER
HH	HANDHOLE
HP	HORSEPOWER
IG, ISG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
LC	LIGHTING CONTACTOR
LTG	LIGHTING
LV	LOW VOLTAGE
MB	MAIN BREAKER
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MLO	MAIN LUGS ONLY
NF	NON FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
P	POLE, PHASE
PB	PULL BOX
PC	PLUMBING CONTRACTOR
P/BD, PNL	PANELBOARD
PR	PAIR
SN	SOLID NEUTRAL
SW	SWITCH
SWBD	SWITCHBOARD
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL SYMBOLS

	WALL OR CEILING MTD EXIT SIGN WITH SELF CONTAINED BATTERY BACK-UP, SINGLE FACE. ARROW WHEN USED INDICATES DIRECTION.
	WALL OR CEILING MTD EXIT SIGN WITH SELF CONTAINED BATTERY BACK-UP, DOUBLE FACE. ARROW WHEN USED INDICATES DIRECTION.
	WALL OR CEILING MTD EXIT/EMERGENCY COMBO UNIT WITH SELF CONTAINED BATTERY BACK-UP, SINGLE OR DOUBLE FACE AS DESIGNATED BY ARROW(S)WHEN USED INDICATES DIRECTION.
	CEILING/PENDENT MTD/RECESSED LIGHTING FIXTURE AND OUTLET, LETTER INDICATES FIXTURE TYPE, NUMBER INDICATES CIRCUIT
	SUSPENDED OR SURFACE MTD LED LIGHTING FIXTURE AND OUTLET, LETTER INDICATES FIXTURE TYPE NUMBER INDICATES CIRCUIT
	CEILING MTD OR LAY-IN TYPE LED LIGHTING FIXTURE AND OUTLET, LETTER INDICATES FIXTURE TYPE NUMBER INDICATES CIRCUIT
	WALL MOUNTED RECESSED LIGHTING FIXTURE AND OUTLET, LETTER INDICATES FIXTURE TYPE NUMBER INDICATES CIRCUIT
	EMERGENCY LIGHT BATTERY PACK - TWO HEAD UNIT.
	CEILING MTD OR LAY-IN TYPE LED LIGHTING FIXTURE AND OUTLET, LETTER DESIGNATES FIXTURE TYPE AND NUMBER DESIGNATES CIRCUIT ON UNSWITCHED NIGHT LIGHT CIRCUIT
	SUSPENDED OR SURFACE MTD LED LIGHTING FIXTURE AND OUTLET, LETTER DESIGNATES FIXTURE TYPE AND NUMBER DESIGNATES CIRCUIT ON UNSWITCHED NIGHT LIGHT CIRCUIT
	OUTLET BOX WITH BLANK COVER - LOCATE AS REQUIRED TO FOR EQUIPMENT SERVED.
	DUPLEX RECEPTACLE AND OUTLET, 20A, 125V, 3W
	QUADRUPLEX RECEPTACLE AND OUTLET, 20A, 125V, 3W
	DUPLEX RECEPTACLE AND OUTLET 20A, 125V, 3W, INSTALLED HORIZONTALLY 4" ABOVE BACKSPASH OR COUNTER IF NO BACKSPASH EXISTS
	QUADRUPLEX RECEPTACLE AND OUTLET 20A, 125V, 3W, INSTALLED 4" ABOVE BACKSPASH OR COUNTER IF NO BACKSPASH EXISTS.
	FLUSH MOUNTED DUPLEX RECEPTACLE AND TELEVISION OUTLET.

ELECTRICAL SYMBOL NOTES

- 1. SYMBOLS AND ABBREVIATIONS MAY NOT ALL BE UTILIZED FOR THIS PROJECT.
- 2. SYMBOLS NOT LISTED IN THIS ELECTRICAL SYMBOL LEGEND ARE IDENTIFIED ON THE DRAWINGS WHERE THEY OCCUR.
- 3. MOUNTING HEIGHT GIVEN IN THE ELECTRICAL SPECIFICATIONS IS TO THE CENTERLINE OF THE DEVICE AND SHALL BE FOLLOWED UNLESS OTHERWISE INDICATED AT THE SYMBOL, ON ARCHITECTURAL ELEVATIONS OR CASEWORK DRAWINGS.

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE
ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE

LIGHTING SCHEDULE

LAMP TYPE REQUIRED IN FIXTURE	NOT APPLICABLE
NUMBER OF LAMPS IN FIXTURE	NOT APPLICABLE
BALLAST TYPE USED IN THE FIXTURE	NOT APPLICABLE
NUMBER OF BALLASTS IN FIXTURE	NOT APPLICABLE
TOTAL WATTAGE PER FIXTURE	NOT APPLICABLE
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED	400W VS 485W
TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED	NOT APPLICABLE

ADDITIONAL EFFICIENCY PACKAGE OPTIONS
(WHEN USING THE 2018 NCECC; NOT REQUIRED FOR ASHRAE 90.1)

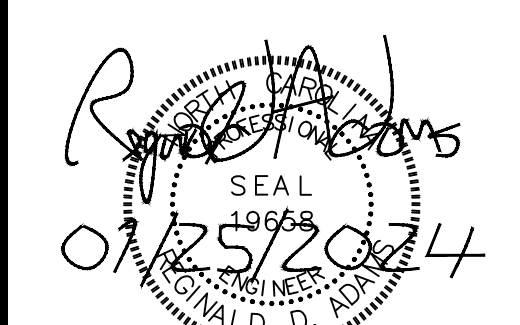
- C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
- C406.3 REDUCED LIGHTING POWER DENSITY
- C406.4 ENHANCED DIGITAL LIGHTING CONTROLS
- C406.5 ON-SITE RENEWABLE ENERGY
- C406.6 DEDICATED OUTDOOR AIR SYSTEM
- C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENT OF THE NORTH CAROLINA STATE BUILDING CODE

SIGNED:
NAME: REGGIE ADAMS P.E.
TITLE: ELECTRICAL ENGINEER

**OPTIMIST POOL BATHHOUSE
REPAIRS**
5902 WHITTIER DR., RALEIGH, NC 27609
CITY OF RALEIGH
RALEIGH, NC

SEALS:



ISSUE: CONSTRUCTION
DATE: 01/26/2024
DRAWN BY: SDR
REVISIONS:

ELECTRICAL DEMOLITION
FLOOR PLAN

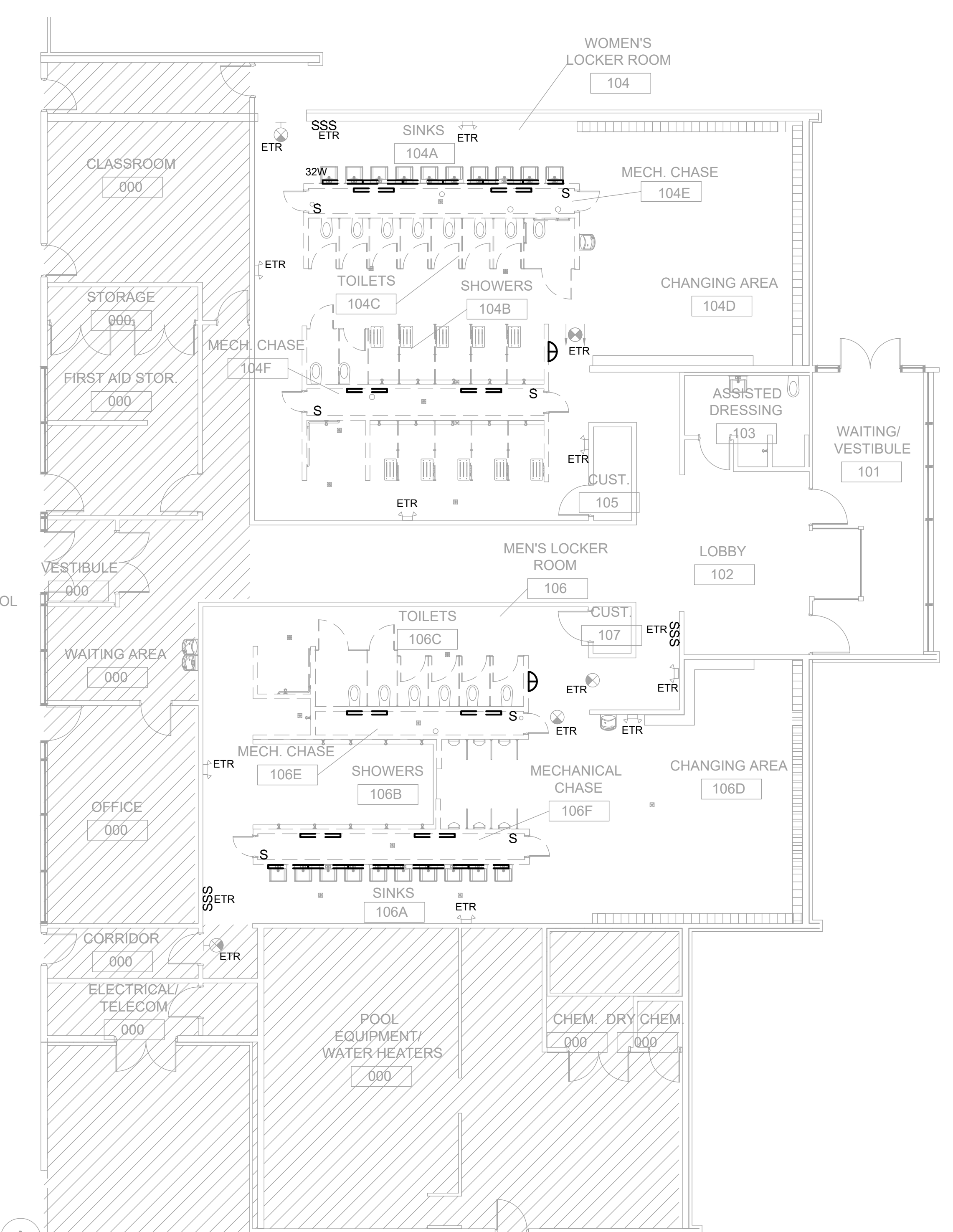
E100

GENERAL NOTES:

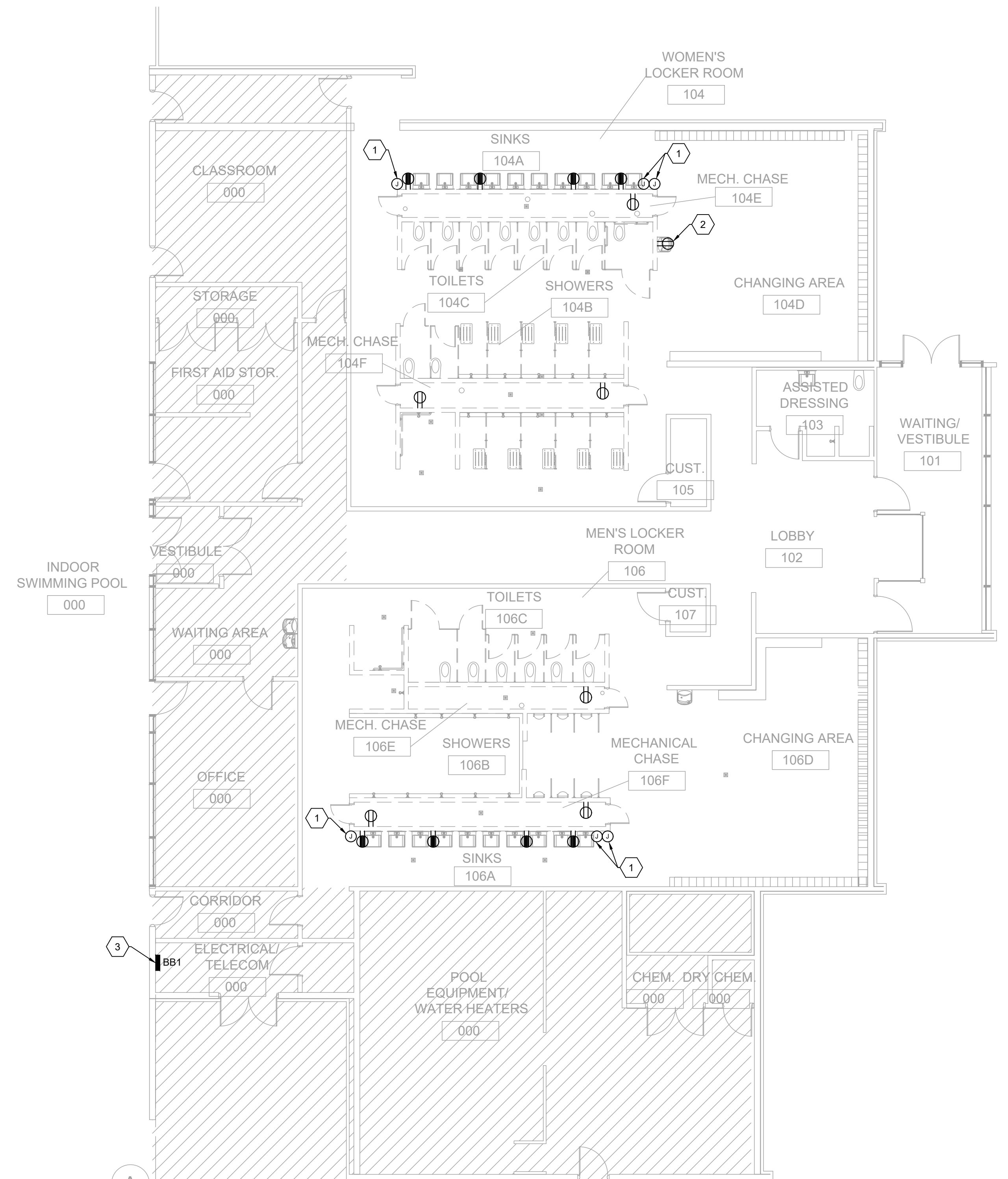
- REFER TO SHEET E001 FOR SYMBOLS, ABBREVIATIONS, AND OTHER NOTES PERTAINING TO CONSTRUCTION.
- REMOVE ALL RECEPTACLES, LIGHT FIXTURES, AND ASSOCIATED SWITCHING SHOWN ON PLANS, UNLESS NOTED OTHERWISE. REMOVE EXISTING CONDUIT AND REMOVE WIRING BACK NEAREST REMAINING JUNCTION BOX AT CEILING LEVEL. LABEL EACH CIRCUIT FOR RECONNECTION TO NEW DEVICES IN NEW CHASE WALLS. REMOVE ALL BOXES FROM DEMOLISHED WALLS.
- ALL CIRCUITS IN WOMEN'S AND MEN'S LOCKER ROOMS ARE FED FROM PANEL "BB1". REFER TO PANELBOARD SCHEDULE ON SHEET E400 FOR CIRCUIT DESIGNATION AND PANELBOARD INFORMATION.
- EXISTING EMERGENCY/EGRESS LIGHTING IS SHOWN ON PLAN AS REFERENCE AND ARE DENOTED WITH "ETR". THESE FIXTURES SHALL REMAIN IN PLACE AND OPERATIONAL.

KEYED NOTES:

- REMOVE EXISTING HAND DRYER OUTLET AND REMOVE CIRCUIT BACK TO NEAREST JUNCTION BOX AT CEILING LEVEL. LABEL CIRCUIT AND KEEP IN PLACE FOR CONNECTION TO NEW HAND DRYERS.
- REMOVE EXISTING WATER COOLER RECEPTACLE. REMOVE EXISTING CIRCUIT BACK TO NEAREST JUNCTION BOX AT CEILING LEVEL. LABEL CIRCUIT AND KEEP IN PLACE FOR CONNECTION TO NEW HAND DRYERS.
- LOCATION OF EXISTING PANEL "BB1" SHOWN FOR REFERENCE ONLY. PANEL SHALL REMAIN IN PLACE AND OPERATIONAL.



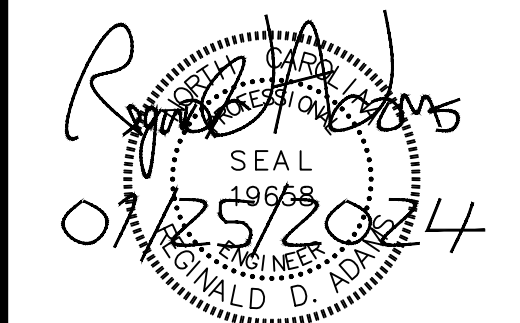
A1 LIGHTING DEMOLITION FLOOR PLAN
1/8" = 1'-0"



6A POWER DEMOLITION FLOOR PLAN
1/8" = 1'-0"

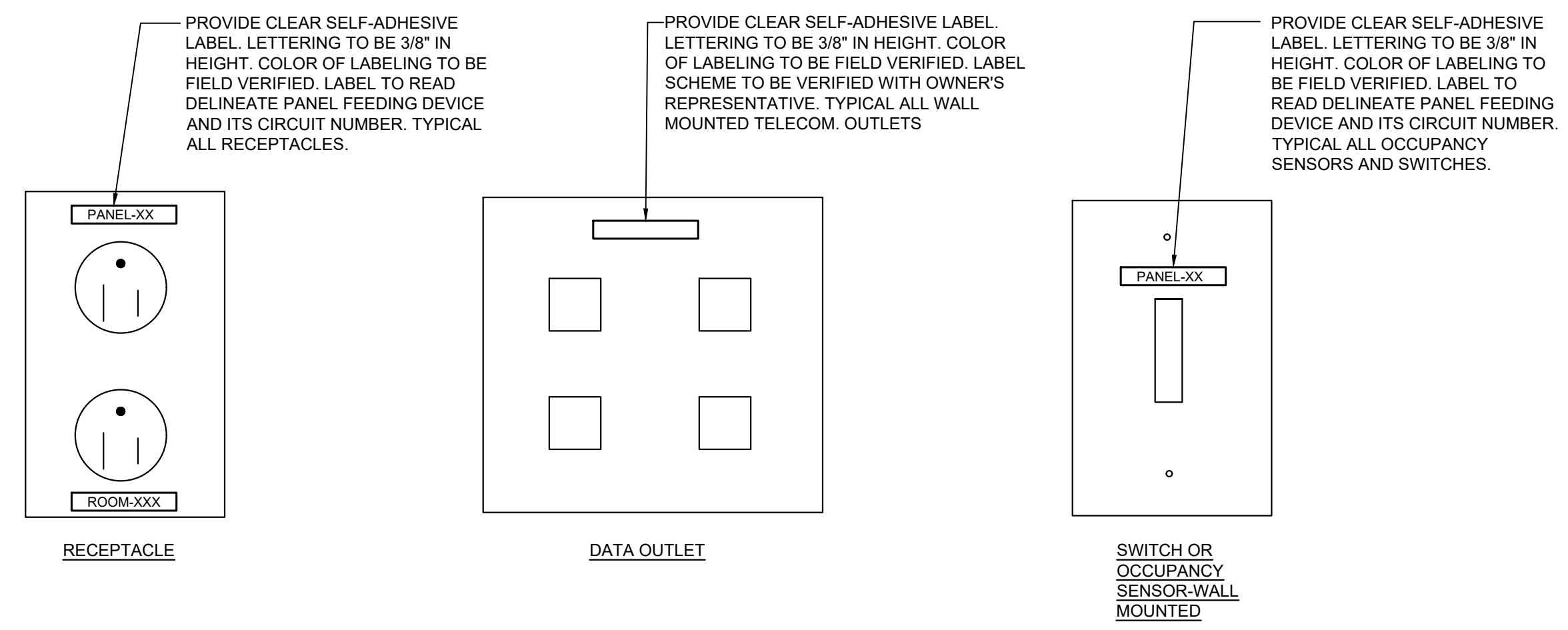
A B C D E F G

1 2 3 4 5 6 7 8 9 10

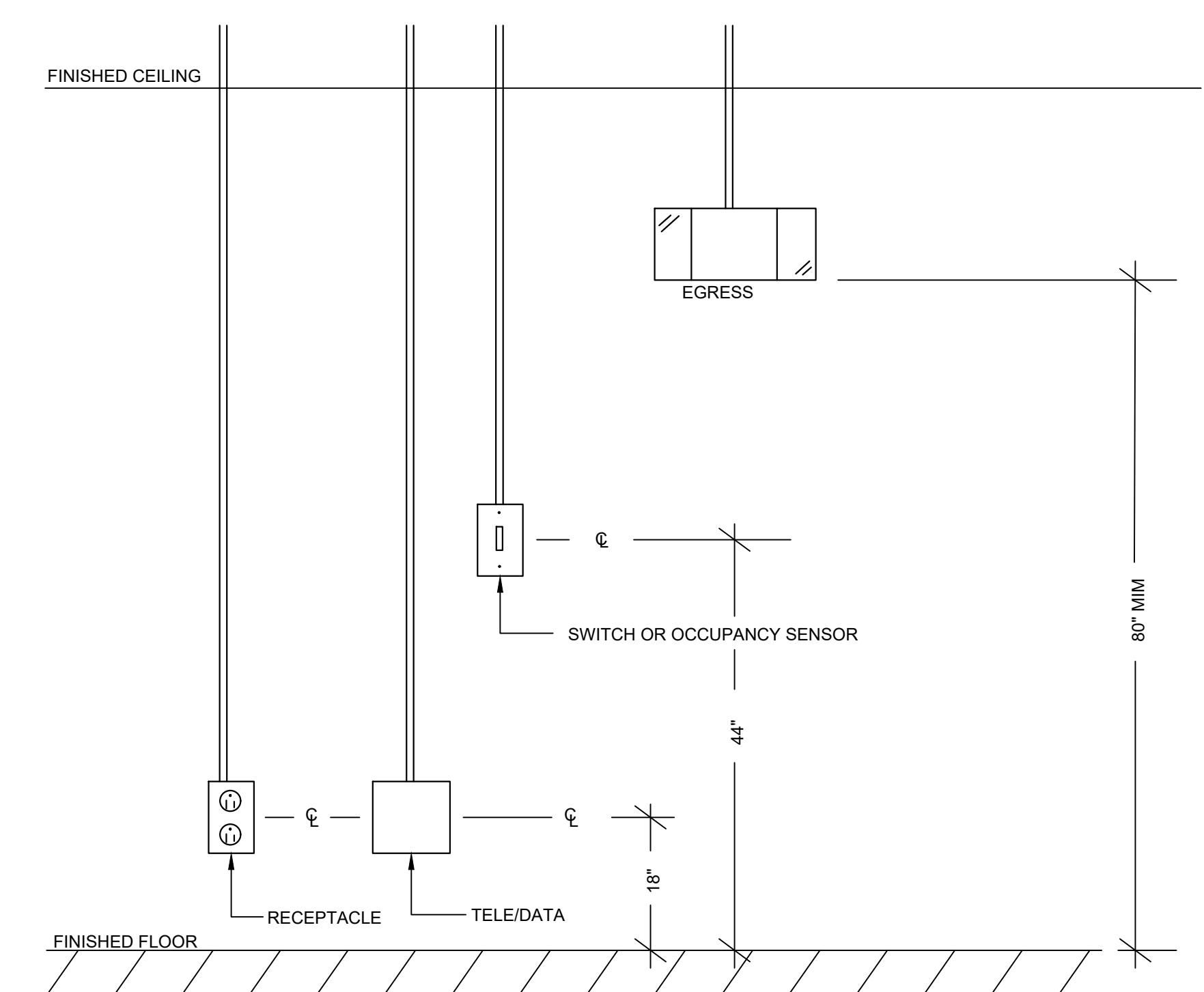


ARCH D (36.00 x 24.00 inches), 1:1

A B C D E F G



E4 DEVICE LABELING DETAILS
1/8" = 1'-0"

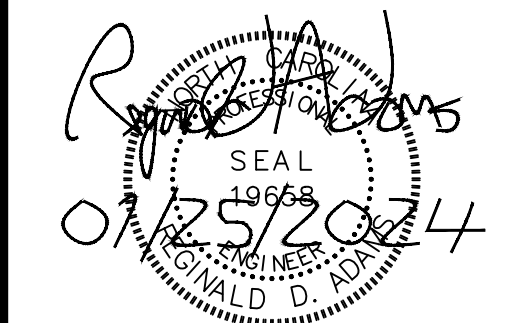


NOTE:
NOT ALL DEVICES MAY BE USED IN CONSTRUCTION.

A4 NFPA 72 AND ADA MOUNTING HEIGHT DETAILS
NO SCALE

**OPTIMIST POOL BATHHOUSE
REPAIRS**
 5902 WHITTIER DR., RALEIGH, NC 27609
CITY OF RALEIGH
 RALEIGH, NC

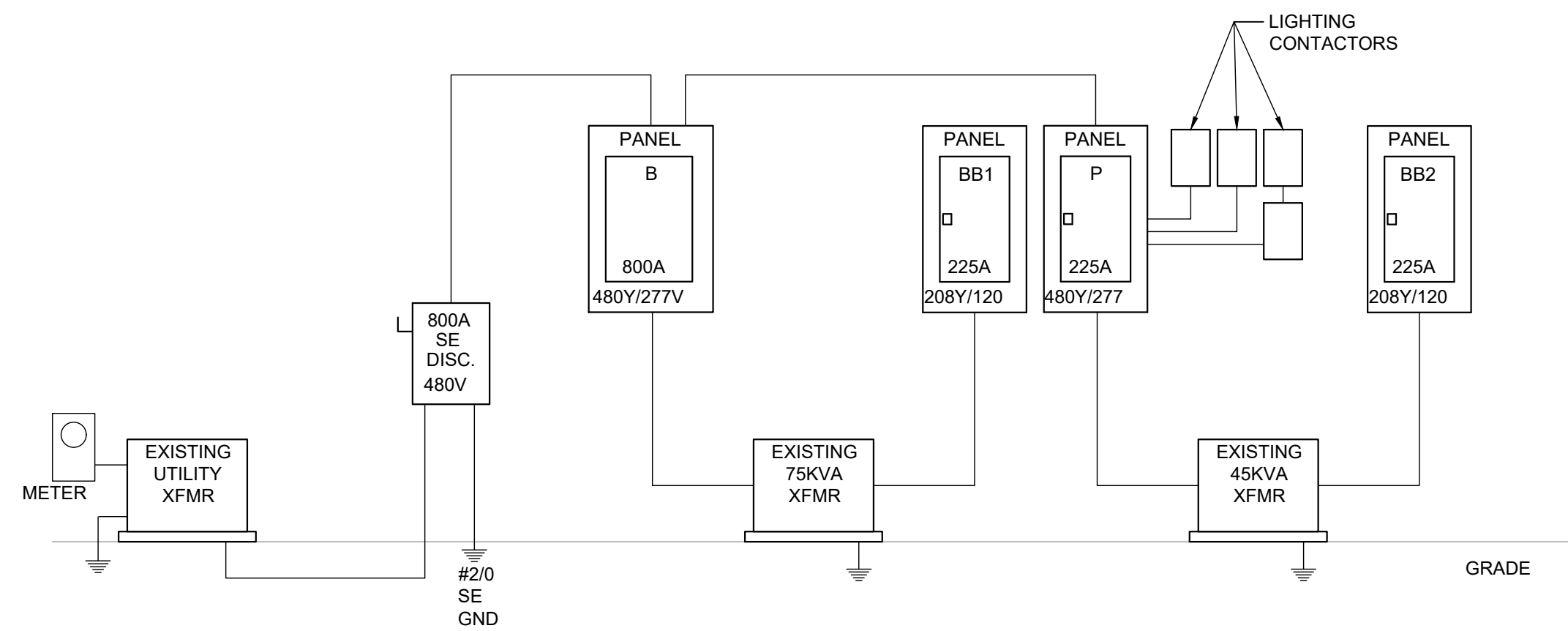
SEALS:



ISSUE: CONSTRUCTION
DATE: 01/26/2024
DRAWN BY: SDR
REVISIONS:

POWER RISER AND SCHEDULES

E400



E3 POWER RISER DIAGRAM
NO SCALE

GENERAL NOTES:
1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

EXISTING PANEL "BB1"		PANEL TYPE: SQ D N1			MCB or MLO: 1000 AMP MCB									
FED FROM UTILITY XFMR		BUS SIZE: 225			MOUNTING: SURFACE									
		VOLTAGE: 208Y/120V			MINIMUM AIC: 10,000									
CKT	LOAD SERVED	TRIP	POLE	WIRE	KVA PER PHASE			KVA	WIRE	POLE	TRIP	LOAD SERVED	CKT	
					A	B	C							
1	EM LIGHTS/LTS RMS 06.07.09	20	1	0.33	0.33	0.33				1	20	REC. RM 07 CLASSROOM	2	
3	EM LIGHTS, LTS RMS 04, WOMEN'S	20	1	0.33	0.33	0.33				1	20	REC. RM 09 FIRST AID/GUARD RM	4	
5	EM LIGHTS/LTS, RMS 01.02.10	20	1			0.36	0.36	0.36		1	20	REC. RM 04 WOMEN'S LOCKER RM	6	
7	EM LIGHTS/LTS, RM 17	20	1		0.36					1	20	REC. RM 04 WOMEN'S LOCKER RM	8	
9	EM & EXT LTR/RELAY IN POOL AREA	20	1			1.28		1.28		1	20	REC. MECHANICAL CHASE	10	
11	HAND DRYER-WOMENS	20	1	1.00				1.80	0.80	1	20	EW COOLER	12	
13	HAND DRYER-WOMENS	20	1	1.00	1.00					1	20	REC. RMS 01.03.05-FAMILY DRESSING RM	14	
15	HAND DRYER-WOMENS	20	1	1.00		1.00				1	20	REC. RM 02 LOBBY	16	
17	HAND DRYER-MENS	20	1	1.00			1.00			1	20	SPACE	18	
19	HAND DRYER-MENS	20	1	1.00	1.00					1	20	REC. RM 12 OFFICE	20	
21	HAND DRYER-MENS	20	1	1.00		1.36		0.36	0.36	1	20	REC. RM 06 MENS LOCKER RM	22	
23	SPACE	20	1				0.36	0.36		1	20	REC. RM 06 MENS LOCKER RM	24	
25	UH-1	20	1		0.00					1	20	TELEPHONE BOARD	26	
27	UH-2	20	1			0.00				1	20	CATV BOARD	28	
29		100	2		0.00		0.00			1	20	LIGHTS & REC - SPRINKLER	30	
31		20	1			0.00				1	20	UH-2	32	
33	UH-3	20	1			0.00				1	20	UH-1	34	
35	AH-1	60	2				0.00			2	60	HP-1	36	
37							0.00						38	
39	AH-2	50	2							2	25	HP-2	40	
41							0.00						42	
TOTALS:					2.69	3.95	3.52							

DESCRIPTION	CONNECTED LOAD (KVA)	DF	DEMAND LOAD (KVA)
DEMOLISHED LOAD	-10.80	125%	-13.50
1ST 10K RECEPTS	2.70	100%	2.70
LIGHTS	0.65	125%	0.81
HVAC LAREST MOTOR	0.00	125%	0.00
REMAINING HVAC	0.00	100%	0.00
ELEVATOR	0.00	100%	0.00
MISC	6.80	80%	5.44
TOTAL (KVA)	-0.65		-4.65
TOTAL AMPS	-1.80		-12.62

NOTES:
NO LOAD ADDED TO EXISTING PANEL.
* DENOTES REVISED LOAD ON EXISTING BREAKER.

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MNUF. NAME	MANUFACTURER CAT. NUMBERS	LAMPS	INPUT WATTS	VOLTS	MOUNTING	REMARKS
A	LINEAR LED STRIP LIGHT	COLUMBIA LIGHTING	CSL4-4LSCS	3500K LED				
		LITHONIA	APPROVED EQUAL	4400 LUMENS	32.5	120	WALL	
		SIGNIFY	APPROVED EQUAL					
EM	COMPACT EMERGENCY LIGHT WITH DUAL ADJUSTABLE, ROUND LAMPS, DAMP LOCATION LISTED.	COLUMBIA LIGHTING	CLJ2	3500K LED	1	120	WALL	
		LITHONIA	APPROVED EQUAL					
		SIGNIFY	APPROVED EQUAL					

NOTES:
MODEL NUMBERS SHOWN ARE BASIS OF DESIGN. EQUAL MANUFACTURER'S SHALL BE SUBMITTED PER NC GS 133.