

# Remodel Shower & Restrooms Crossroads & Esperanza Group Homes Kansas City, Missouri)

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OWNER: STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR  
DEPARTMENT OF MENTAL HEALTH

PROJECT  
MANAGEMENT: OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES MANAGEMENT,  
DESIGN AND CONSTRUCTION

DESIGNER: HJM Architects  
7520 Washington Street  
KansasCity, MO 64114

PROJECT NUMBER: M2412-01

SITE NUMBER: CGH: 7381  
EGH: 7387

FACILITY NUMBER: CGH: 6517381003  
EGH: 6517387002

SHEET NUMBER:

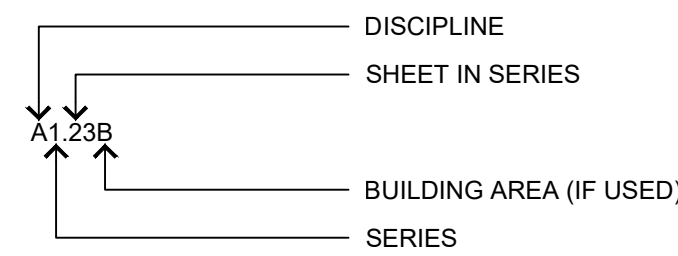
## G-001

1 OF 9 SHEETS  
SEPTEMBER 27, 2024

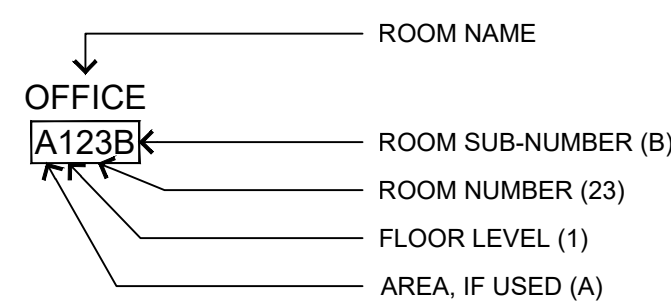


A	ARCHITECTURAL	G	GENERAL
AS	ARCHITECTURAL SITE	K	KITCHEN
C	CIVIL	L	LANDSCAPE
D	DEMOLITION	M	MECHANICAL
E	ELECTRICAL	P	PLUMBING
EL	ELECTRICAL - LIGHTING	S	STRUCTURAL
EP	ELECTRICAL - POWER	T	TECHNOLOGY
F	FURNITURE & EQUIPMENT		

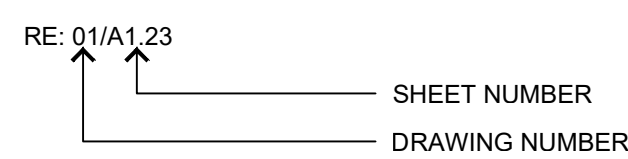
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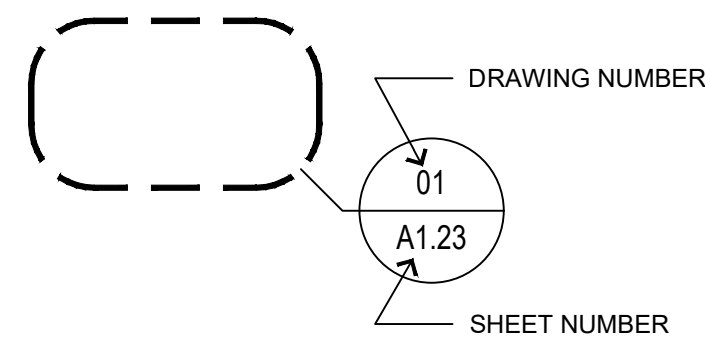
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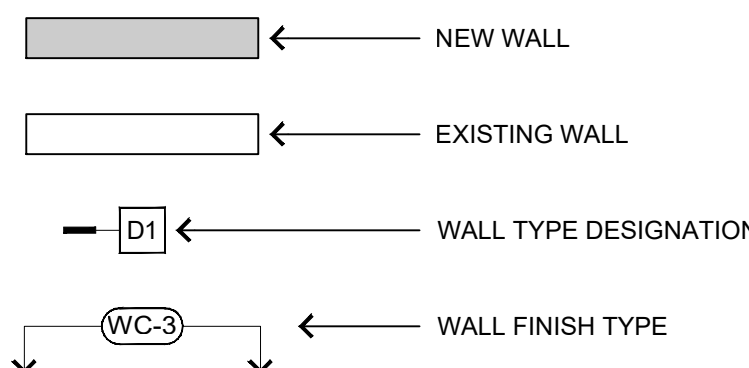
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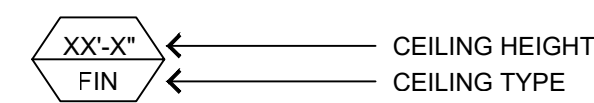
### ENLARGED DETAILS



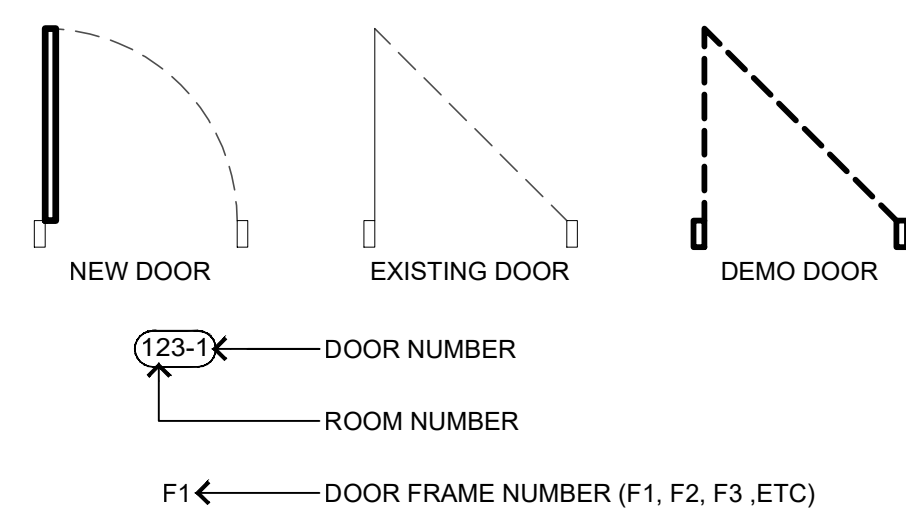
### WALL SYMBOLS



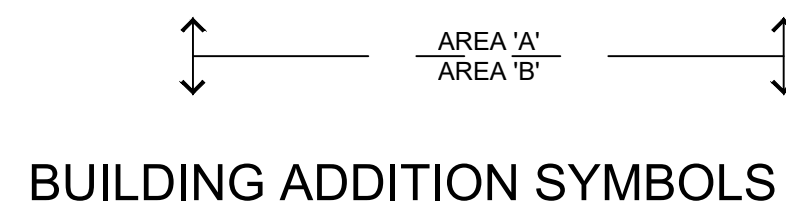
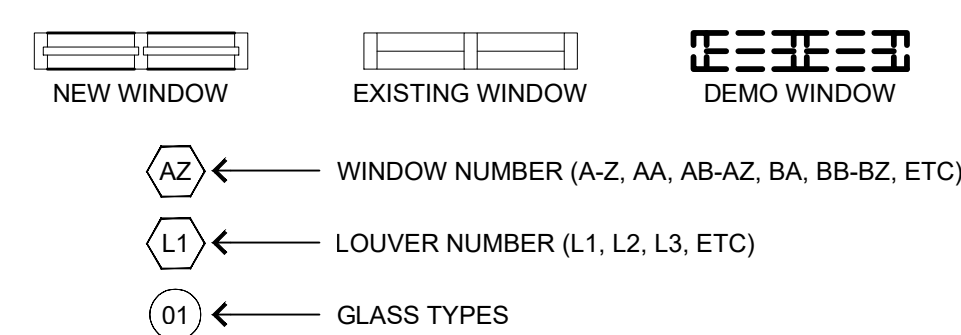
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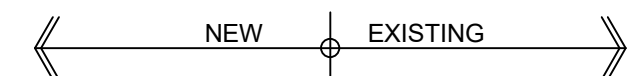
### DOOR SYMBOLS



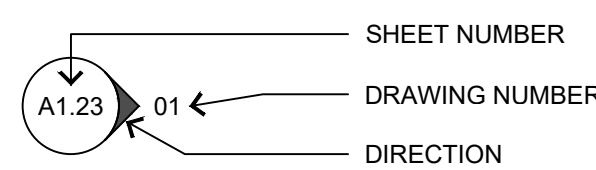
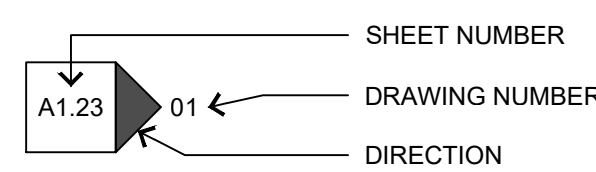
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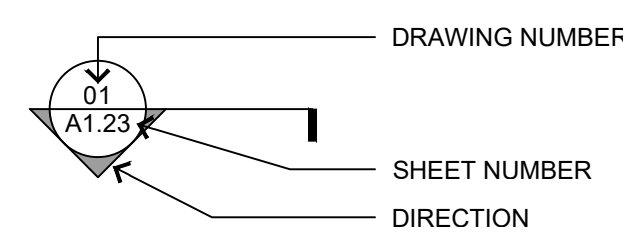
### BUILDING ADDITION SYMBOLS



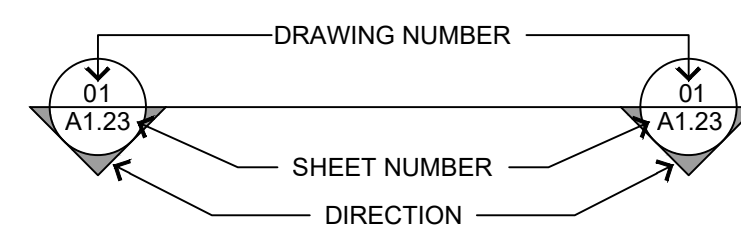
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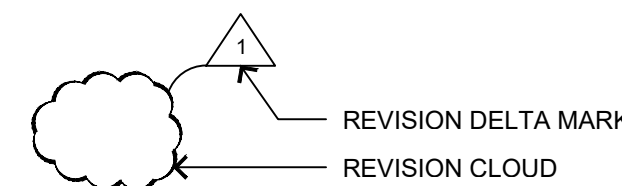
### WALL SECTION & DETAIL SYMBOLS



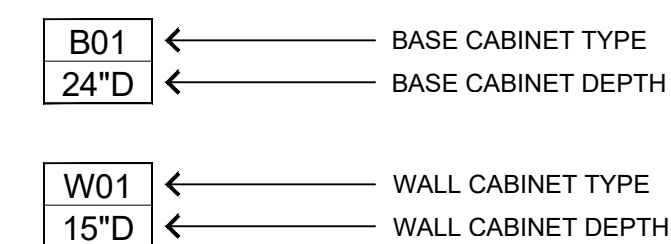
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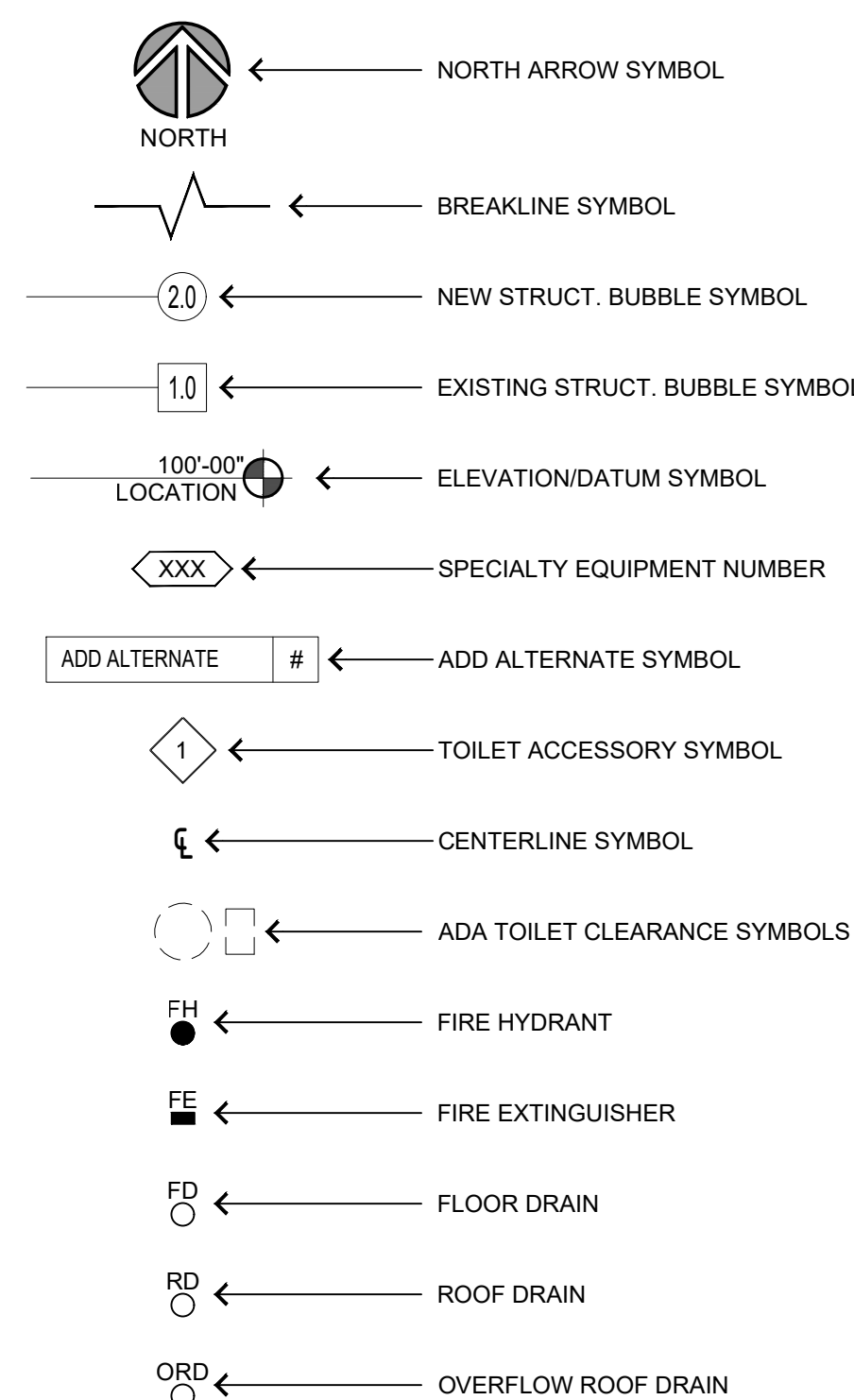
### REVISION MARK / CLOUD



### CASEWORK SYMBOLS



### MISC. SYMBOLS



### SYMBOL LEGEND

SCALE: N.T.S.

SHT #	SHEET TITLE	ISSUE DATE	
GEN	G-001	PROJECT COVER	3/13/2024
	G-002	SHEET INDEX, SYMBOL LEGEND, AND LOCATION MAPS	3/13/2024
	G-003	ACCESSIBILITY GUIDELINES & TYP BLOCKING DTLS	3/13/2024
ARCH	AD-101	CGH, DEMOLITION TOILET PLANS AND REFL CEILING PLANS	3/13/2024
	AD-102	EGH, DEMOLITION TOILET PLANS AND REFL CEILING PLANS	3/13/2024
	AE-101	CGH, NEW WORK TOILET PLANS AND REFL CEILING PLANS	3/13/2024
	AE-102	EGH, NEW WORK TOILET PLANS AND REFL CEILING PLANS	3/13/2024
	AE-501	NEW WORK DETAILS AND FINISH SCHEDULE	3/13/2024
MEP	MEP-100	MECHANICAL, ELECTRICAL, AND PLUMBING PLANS	3/13/2024

### SHEET INDEX

SCALE: N.T.S.

**SCOPE OF WORK:** THE REPLACEMENT OF EXISTING PLUMBING/ELECTRICAL FIXTURES AND FINISHES IN 2 EXISTING GROUP HOME FACILITIES

**APPLICABLE BUILDING CODES:**

All Applicable Codes: All Work Under This Contract Shall Comply With The Provisions Of The Specifications And Drawings, and Shall Satisfy All Applicable Codes, Ordinances And Regulations Of All Governing Bodies Involved. All Permits and Licenses Necessary For The Proper Executions Of The Work Shall Be Secured And Paid For By The Contractor Involved. Applicable Codes Include But Are Not Limited To The Following:

Applicable Building Code: 2018 International Existing Building Code  
 Applicable Building Code: 2018 International Building Code  
 Applicable Plumbing Code: 2018 International Plumbing Code  
 Applicable Mechanical Code: 2018 International Mechanical Code  
 Applicable Electrical Code: 2017 National Electrical Code  
 Applicable Gas Code: 2018 International Fuel Gas Code  
 Applicable Energy Code: 2021 International Energy Conservation Code  
 Accessible Code: ICC/ANSI-A117.1 Providing Accessibility and Usability for Physically Handicapped People, 2009 Edition

[Note: Project Owner and Design Professional are responsible for compliance to the federal Americans with Disabilities Act (ADA)]

**CGH BUILDING DETAILS:**

USE AND OCCUPANCY CLASSIFICATION: R-4 (RESIDENTIAL, CARE-ASSISTED LIVING FACILITIES)  
 CONSTRUCTION TYPE: EXISTING VIA, BUILDING, BUILT 1987  
 EXISTING BUILDING: 2 STORY, OVERALL APPROX. 5,760 SF  
 AUTOMATIC SPRINKLERS: YES  
 ALARM SYSTEM: EXISTING WITH PULL STATIONS; AUDIO AND VISUAL ALARMS EXISTING AUTOMATIC SPRINKLER SYSTEM AND ALARM/DETECTION SYSTEMS TO REMAIN.

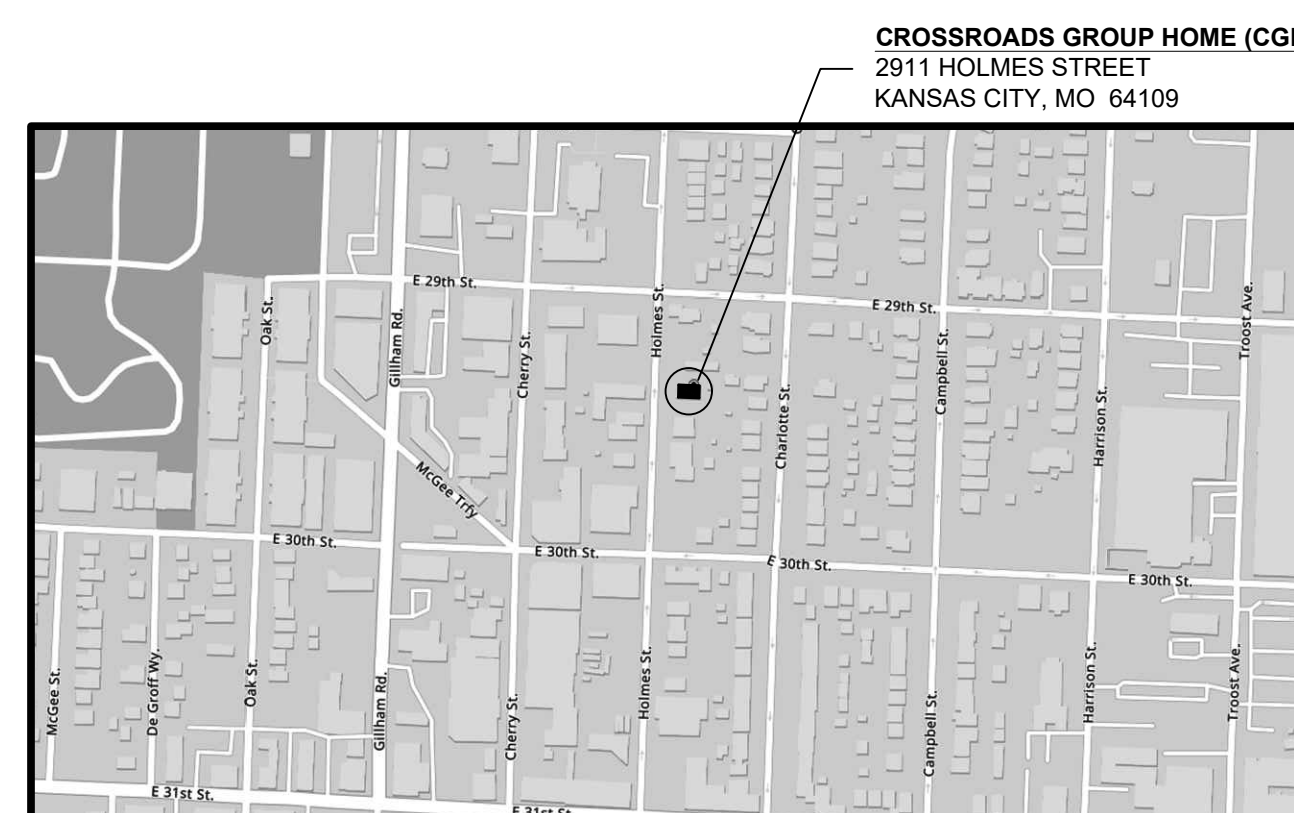
**EGH BUILDING DETAILS:**

USE AND OCCUPANCY CLASSIFICATION: R-4 (RESIDENTIAL, CARE-ASSISTED LIVING FACILITIES)  
 CONSTRUCTION TYPE: EXISTING IIIB, BUILDING, BUILT 1993.  
 EXISTING BUILDING: 1 STORY, OVERALL APPROX. 7,347 SF  
 AUTOMATIC SPRINKLERS: YES  
 ALARM SYSTEM: EXISTING WITH PULL STATIONS; AUDIO AND VISUAL ALARMS EXISTING AUTOMATIC SPRINKLER SYSTEM AND ALARM/DETECTION SYSTEMS TO REMAIN.

NOTE: VERIFY DEVICES IN AREA OF WORK CONFORM WITH 2018 IFC.

### CODE INFO

SCALE: N.T.S.



### LOCATION MAPS

SCALE: N.T.S.

**GENERAL PHASING NOTES:**

- CONTRACTOR PERSONNEL TO BE ESCORTED BY FACILITY MAINTENANCE AS REQ'D BY TENANT.
- CONTRACTOR MUST COMPLETE EACH WORK PHASE IN ITS ENTIRETY (INCLUDES; ANY DEMOLITION, POTENTIAL REMEDIATION, AND NEW WORK) BEFORE PROCEEDING TO NEXT NUMBERED WORK PHASE.
- AT LEAST ONE LAV, TOILET, AND SHOWER OR TUB MUST BE OPERATIONAL IN EACH FACILITY AT ALL TIMES.
- DIMENSIONS SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES ARE IDENTIFIED.

**SCOPE OF WORK FOR EACH PHASE:**

(GENERAL DESCRIPTION - SEE DRAWINGS AND PROJECT SPECIFICATIONS FOR DETAILS)

- STEP 1:** WATER OFF: FACILITY MAINTENANCE TO PROVIDE SHUT OFF OF WATER SERVICE IN EACH PHASE PRIOR TO START OF DEMOLITION.  
**STEP 2:** PLUMBING DEMOLITION: PLUMBING CONTRACTOR TO DISCONNECT THE PLUMBING FIXTURES IN APPLICABLE LAV/TOILET, BATHROOM, OR SHOWER ROOM AND CAP EXISTING SUPPLY LINES AS REQ'D.  
**STEP 3:** WATER ON: FACILITY MAINTENANCE TO TURN ON WATER SERVICE.  
**STEP 4:** POWER OFF REQUEST: CONTRACTOR TO NOTIFY FACILITY MAINTENANCE 24 HOURS IN ADVANCE ALL REQ'D POWER INTERRUPTION THAT MAY AFFECT ANY ROOMS NOT WITHIN SCOPE OF WORK.  
**STEP 5:** POWER OFF: CONTRACTOR TO DISCONNECT POWER AS REQ'D IN EACH PHASE PRIOR TO START OF DEMOLITION.  
**STEP 6:** ELECTRICAL DEMO: CONTRACTOR TO DEMO EXISTING FIXTURES/OUTLETS/SWITCHES AND INDICATED IN DRAWINGS.  
**STEP 7:** POWER ON: CONTRACTOR TO RECONNECT POWER.  
**STEP 8:** FINISH DEMOLITION: CONTRACTOR CONTINUES DEMOLITION OF ALL REMAINING MATERIALS AS INDICATED ON DEMOLITION PLANS. IN THE EVENT THE CONTRACTOR DISCOVERS, AT ANY TIME, THE PRESENCE OF MOLD AND / OR MILDEW, THE CONTRACTOR SHALL STOP WORK AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE ARCHITECT /ENGINEER OF RECORD, IN WRITING, OF THE CONCERNS AND/OR SUSPICIONS. OTHERWISE, CONTRACTOR TO CLEAN AREA OF WORK AND PREPARE ALL SURFACES TO RECEIVE NEW MATERIALS.  
**STEP 9:** NEW WORK: GENERAL CONTRACTOR WILL INSTALL NEW FINISHES AND COMPLETE WORK AS PER NEW WORK FLOOR PLANS, RCPS, AND PROJECT SPECIFICATIONS. CONTRACTOR TO NOTIFY FACILITY MAINTENANCE WHEN WATER SERVICE OR POWER MUST BE INTERRUPTED TO CONNECT NEW PLUMBING AND ELECTRICAL FIXTURES.

**PROPOSED NUMBERED WORK PHASES:**

CGH PHASE 1: C100, C101, C102  
 CGH PHASE 2: C103, C104,  
 EGH PHASE 1: E100, E101  
 EGH PHASE 2: E102, E103

### PROJECT PHASING

SCALE: N.T.S.

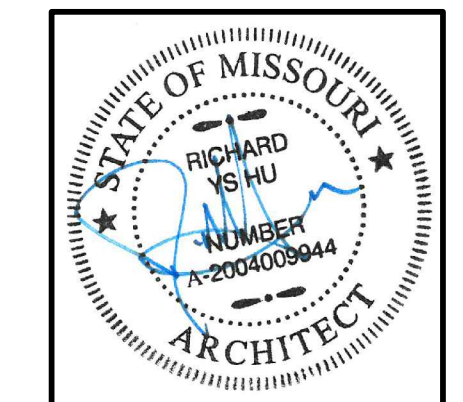
**GENERAL NOTES:**

- ALL NEW BUILDING MATERIALS TO BE OF NON-COMBUSTIBLE OR WOOD FIRE RETARDANT TREATED MATERIAL.
- THE CONTRACTOR SHALL COMPLY WITH FEDERAL ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION REGULATIONS AND ALL LOCAL AND STATE HEALTH DEPARTMENT REQUIREMENTS AND RECOMMENDATIONS REGARDING MOLD AND MILDEW.
- IN THE EVENT THE CONTRACTOR DISCOVERS, AT ANY TIME THE PRESENCE OF MOLD AND / OR MILDEW, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE ARCHITECT /ENGINEER OF RECORD, IN WRITING, OF THE CONCERNS AND/OR SUSPICIONS.
- THE CONTRACTOR SHALL CONTAIN ALL CONSTRUCTION ACTIVITY (WHICH SHALL INCLUDE STORAGE OF MATERIALS AND EQUIPMENT) WITHIN THE LIMITS OF CONSTRUCTION OR WITHIN THE DESIGNATED STAGING AREA AS DETERMINED BY THE PRE-BID MEETING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SURFACES DAMAGED BY CONSTRUCTION
- ACTIVITY THAT IS UNDER THE CONTROL OF THE CONTRACTOR (THIS INCLUDES ALL SUBCONTRACTOR WORK). REPAIRS SHALL MATCH EXISTING MATERIALS AND BE APPROVED BY THE OWNER.
- THE CONTRACTOR SHALL REMOVE CONSTRUCTION DEBRIS FROM THE JOBSITE ON A REGULAR BASIS, AS IDENTIFIED IN THE SPECIFICATIONS. KEEP DEBRIS CONTAINED TO THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION.
- THE CONTRACTOR SHALL ENSURE THAT ALL MOISTURE AND DEBRIS HAVE BEEN ELIMINATED PRIOR TO INSTALLING NEW MATERIALS AND PREPARE SURFACE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. REFERENCE SPECIFICATIONS FOR FURTHER DIRECTION.
- SHOULD THE CONTRACTOR OBSERVE ANY DETERIORATED MATERIALS OR DAMAGED STRUCTURAL CONDITIONS, THE ARCHITECT AND OWNER SHALL BE NOTIFIED.
- ANY EQUIPMENT NOT IDENTIFIED TO BE REMOVED IS TO REMAIN UNLESS NOTED OTHERWISE.
- THE CONTRACTOR WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, TOOLS, LABOR & SERVICES NECESSARY FOR COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF WORKMANSHIP & FOR COMPLIANCE WITH THE DESIGN. THE CONTRACTOR SHALL CORRECT ALL ERRORS & DEVIATIONS AS REQUESTED BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR QUALITY OF ALL REFURBISHED MATERIALS. ALL REFURBISHED MATERIALS TO APPEAR NEW.
- THE CONTRACTOR SHALL VERIFY ALL RELEVANT DIMENSIONS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH THE AFFECTED WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. ALL DISCREPANCIES SHALL BE RESOLVED PRIOR TO PROCEEDING WITH AFFECTED WORK.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS ON THE DRAWINGS CONFLICT WITH THE NOTES OR SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL APPLY.
- JOB SITE CLEANING: DURING DEMOLITION & CONSTRUCTION, THE JOB SITE SHALL BE CLEANED ON A DAILY BASIS, INCLUDING REMOVAL OF TRASH, RUBBLE, DEBRIS & ORGANIZATION OF MATERIALS & EQUIPMENT. UPON COMPLETION OF THE WORK, THE JOB SITE SHALL BE THOROUGHLY CLEANED, INCLUDING AREAS OF THE BUILDING MADE DIRTY BY CONSTRUCTION WORK. THE G.C. SHALL REMOVE TRASH, RUBBLE, TOOLS, EQUIPMENT & EXCESS MATERIALS FROM THE PREMISES. THE BUILDING IS TO BE LEFT IN A CLEAN CONDITION.
- THE CONTRACTOR IS TO PROVIDE SUPERVISION OF ALL TRADES / SUBS, AS WELL AS ON-SITE SUPERVISION DURING ALL CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DUMPSTERS REQUIRED FOR EXECUTION OF THE PROJECT SCOPE INCLUDING DISPOSAL OF ALL NON-REUSED FIXTURES.
- IF ROOF PENETRATIONS ARE REQUIRED ON EXISTING ROOF, THEN THE CONTRACTOR SHALL EMPLOY A ROOFING CONTRACTOR TO MAINTAIN EXISTING WARRANTIES.

### GENERAL NOTES

SCALE: N.T.S.

STATE OF MISSOURI  
 MICHAEL L. PARSON,  
 GOVERNOR



OFFICE OF ADMINISTRATION  
 DIVISION OF FACILITIES  
 MANAGEMENT,  
 DESIGN AND CONSTRUCTION

REMODEL SHOWER &  
 RESTROOM

CROSSROADS & ESPERANZA  
 GROUP HOMES

KANSAS CITY, MO

PROJECT # M2412-01  
 SITE # 7381; 7387  
 FACILITY # 6517381003;  
 6517387002

REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 REVISION: \_\_\_\_\_  
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 REVISION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 ISSUE DATE: 09/27/2024

CAD DWG FILE: G-002.DWG  
 DRAWN BY: MPL  
 CHECKED BY: CLB  
 DESIGNED BY: MPL

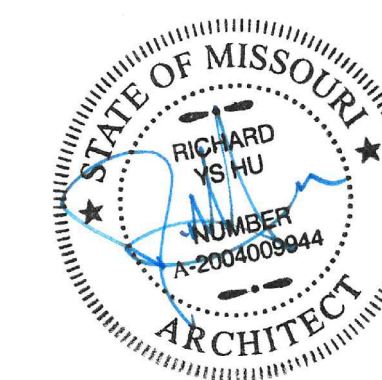
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 SHEET INDEX,  
 SYMBOL LEGEND,  
 AND LOCATION MAPS

SHEET NUMBER:

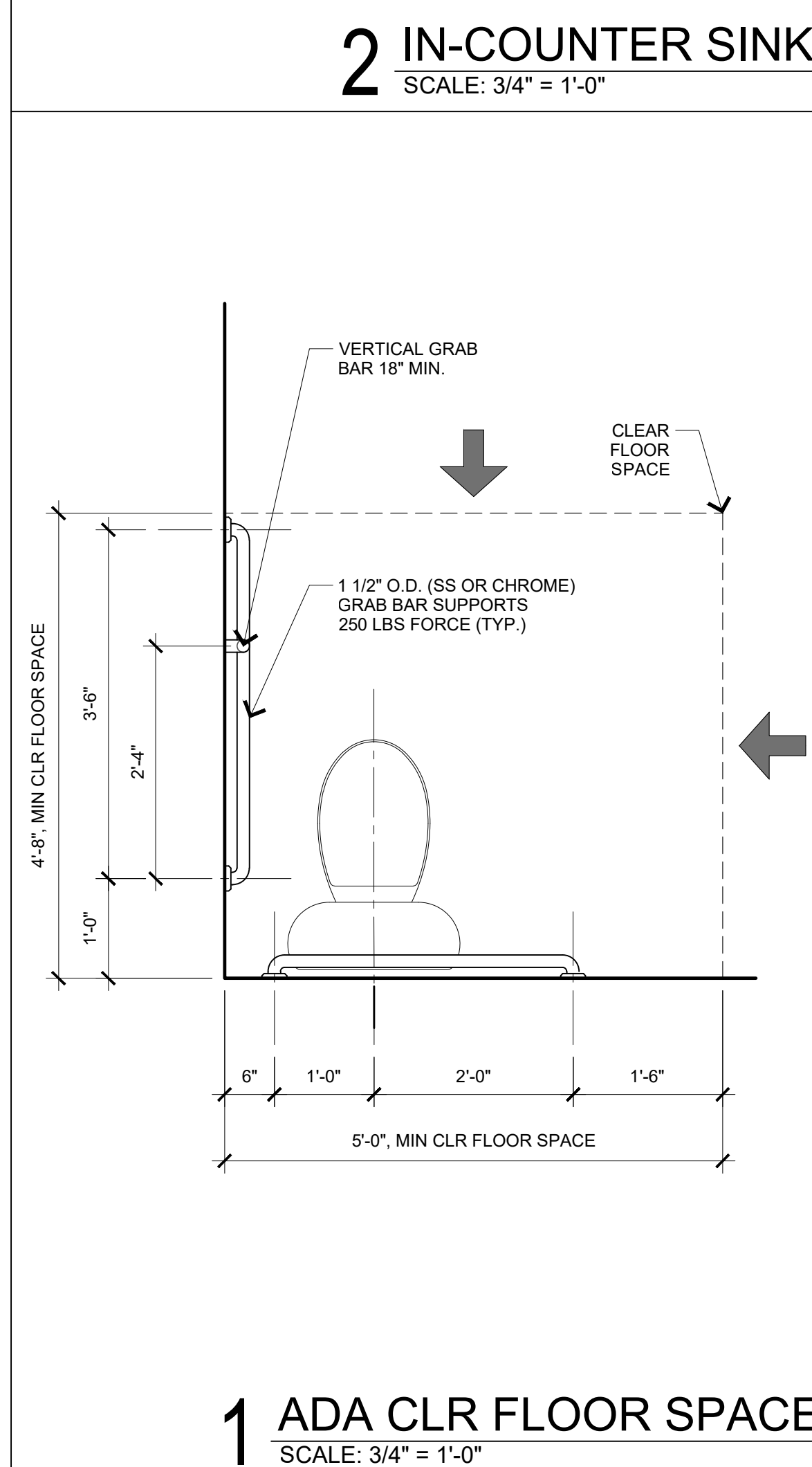
G-002

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 09/27/2024

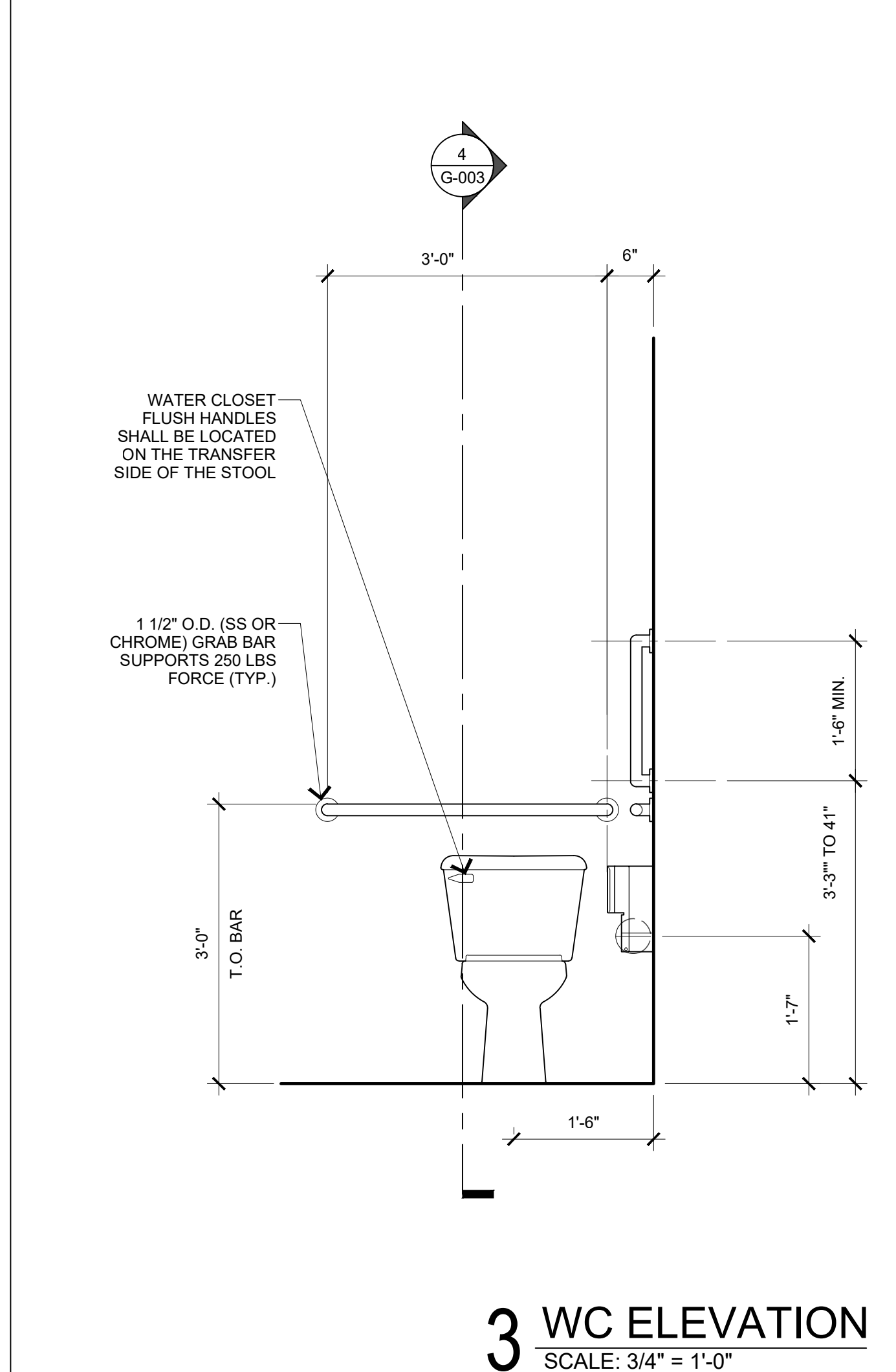




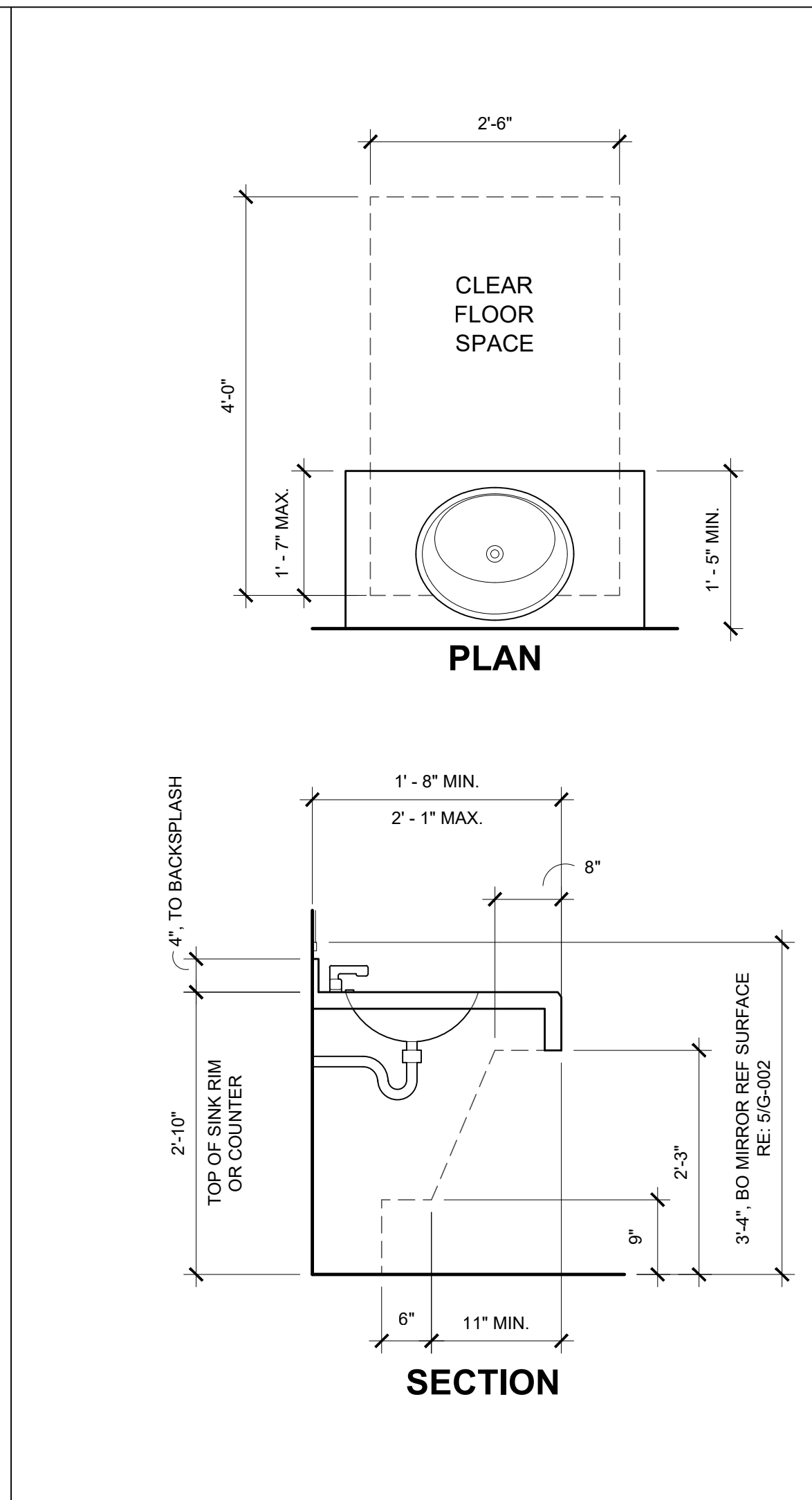
1. ADA UNOBSTRUCTED REACH RANGES (AFF. TO C.L. OF HARDWARE)
  - A. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - B. ADA SIDE REACH = 48" MAX. & 15" MIN.
2. DOOR HARDWARE (MEASURED AFF. TO C.L. OF HARDWARE)
  - 2.1. STANDARD MOUNTING HEIGHTS:
    - 2.1.1. PUSH PLATES = 42"
    - 2.1.2. PULL HANDLES = 42"
    - 2.1.3. KNOBS/LEVERS = 40"
    - 2.1.4. PANIC EXIT = 42" CENTERLINE OF BAR
    - 2.1.5. KICK PLATES:
      - 2.1.5.1. WIDTH = DOOR WIDTH MINUS 2", CENTERED
      - 2.1.5.2. HEIGHT = 16" FROM B.O. DOOR
  - 2.1.6. THRESHOLDS:
    - 2.1.6.1. STANDARD = 1/2" MAX.
    - 2.1.6.2. AT EXT. SLIDING DOORS = 3/4" MAX.
  - 2.2. ADA HARDWARE = 34" MIN. TO 48" MAX.
3. DRINKING FOUNTAINS & EWCS (MEASURED FROM FL TO SPOUT)
  - 3.1. STD. FLOOR MOUNTING = 40" TYP., 42" MAX.
  - 3.2. ADA = 36" MAX. (27" MIN. CLEAR KNEE SPACE)
4. WATER CLOSETS (AFF. TO TOP OF SEAT)
  - 4.1. STANDARD MOUNTING = 14" TO 15"
  - 4.2. ADA (TO TOP OF SEAT) = 17" TO 19"
  - 4.3. ADA FLUSH CONTROLS = 44" MAX.
5. URINALS (MEASURED FROM FLOOR TO RIM)
  - 5.1. STANDARD MOUNTING = 24" MAX.
  - 5.2. ADA ACCESSIBLE = 17" MAX.
  - 5.3. ADA FLUSH CONTROLS = 44" MAX.
6. LAVATORIES (AFF. TO RIM/COUNTERTOP)
  - 6.1. STANDARD MOUNTING = 36" MAX.
  - 6.2. ADA = 34" MAX. (29" MIN. CLEAR KNEE SPACE)
7. MIRRORS (AFF. TO B.O. REFLECTIVE SURFACE)
  - 7.1. STANDARD MOUNTING = VARIES
  - 7.2. ADA ACCESSIBLE = 40" MAX.
8. ADA GRAB BARS (MEASURED TO TOP OF BAR)
  - 8.1. WATER CLOSETS: 33" MIN. TO 36" MAX. AFF.
  - 8.2. SHOWERS: 33" MIN.-36" MAX. (AT B.O. SHOWER)
  - 8.3. BATHTUBS:
    - 8.3.1. TOP OF BAR = 33" MIN.-36" MAX. AFF.
    - 8.3.2. BOT. BAR = 9" ABOVE T.O. TUB
9. SHOWER HEADS (MEASURED AFF. TO HEAD)
  - 9.1. STANDARD MOUNTING: 72" TO 84" (84" TYP.)
  - 9.2. ADA: SPRAY UNIT W/ HOSE 60" LONG MIN.
  - 9.3. ADA: FIXED SHOWER HEAD = 48" AFF.
10. SHOWER CONTROLS (CONTROL AREA)
  - 10.1. STANDARD MOUNTING = 48" MAX. (TO TOP)
  - 10.2. ADA ACCESSIBLE = 38" MIN. TO 48" MAX.
11. COUNTERTOPS: (MEASURED AFF. TO SINK RIM/COUNTERTOP)
  - 11.1. STANDARD MOUNTING = 36" MAX.
  - 11.2. ADA ACCESSIBLE = 29" MIN. TO 34" MAX.
12. SHOWER ROD (MEASURED FROM FLOOR TO C.L.)
  - 12.1. STANDARD MOUNTING = 78" MAX.
13. TOILET ROOM PARTITIONS (MEASURED AFF.)
  - 13.1. AT W.C.'S = 12" TO BOT. & 70" TO TOP.
  - 13.2. AT URINALS = 18" TO BOT. & 60" TO TOP.
14. TOILET PAPER DISPENSERS (AFF. TO C.L. OUTLET)
  - 14.1. STANDARD MOUNTING = 24"
  - 14.2. ADA ACCESSIBLE = 19" MIN. TO 24" MAX.
15. WALL MOUNTED SOAP DISPENSERS (MEASURED AFF. TO C. L. OF PUSH BUTTON)
  - 15.1. STANDARD MOUNTING = 40"
  - 15.2. ADA ACCESSIBLE = 46" MAX.
16. PAPER TOWEL DISP./ WASTE RECEPTACLE (MEASURED AFF. TO TOWEL SLOT)
  - 16.1. STANDARD MOUNTING = 40" MAX.
  - 16.2. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - 16.3. ADA SIDE REACH = 48" MAX. & 15" MIN.
17. WARM AIR HAND DRYER (AFF. TO PUSH SWITCH)
  - 17.1. STANDARD MOUNTING = 40" MAX.
  - 17.2. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - 17.3. ADA SIDE REACH = 48" MAX. & 15" MIN.
18. SANITARY NAPKIN DISPENSER (MEASURED AFF. TO C.L. OF COIN SLOT)
  - 18.1. STANDARD MOUNTING = 40" MAX.
  - 18.2. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - 18.3. ADA SIDE REACH = 48" MAX. & 15" MIN.
19. SANITARY NAPKIN DISPOSAL UNIT
  - 19.1. STANDARD MOUNTING = 28" MAX. (T.O. UNIT)
  - 19.2. ADA ACCESSIBLE = 19" MIN.-24" MAX. (OPNG.)
20. TOILET SEAT COVER DISPENSERS (TO OPNG.)
  - 20.1. STANDARD MOUNTING = 40" MAX.
  - 20.2. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - 20.3. ADA SIDE REACH = 48" MAX. & 15" MIN.
21. COAT HOOKS
  - 21.1. STANDARD = 68"
  - 21.2. ADA ACCESSIBLE = 48" MIN. TO 54" MAX.
22. CHALKBOARDS/TACK BOARDS/MARKER BOARDS
  - 22.1. STANDARD MOUNTING = 32" TO 39" (TO BOT.)
  - 22.2. STANDARD MOUNTING = 80" (TO TOP)
23. THERMOSTATS & CONTROL DEVICES (TO TOP)
  - 23.1. STANDARD MOUNTING = 42 3/4" MAX.
  - 23.2. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - 23.3. ADA SIDE REACH = 54" MAX. & 15" MIN.
24. LIGHT SWITCHES & CARD READERS (TO C.L.)
  - 24.1. STANDARD = 42 3/4" & 6" FROM DOOR JAMB
  - 24.2. ADA ACCESSIBLE = 48" MAX.
25. CONVENIENCE RECEPTACLES (ELECTRICAL/ TELEPHONE/ DATA)
  - 25.1. STANDARD = 18 3/4"
  - 25.2. ADA ACCESSIBLE = 15" MIN.
26. EXIT LIGHTS - STANDARD WALL MOUNTED
  - 26.1. 2" MIN. BELOW CEILING.
  - 26.2. 2" MIN. ABOVE DOOR FRAME.
  - 26.3. EQUAL SPACE - CEILING TO TOP OF FRAME.
27. FIRE EXTINGUISHERS (MEASURED AFF.)
  - 27.1. GROSS WT. 40 LBS OR LESS = 48" MAX. TO TOP.
  - 27.2. GROSS WT. MORE THAN 40 LBS = 42" MAX. TO TOP.
  - 27.3. ADA REACH RANGES = 48" MAX. & 15" MIN.
28. FIRE ALARM PULL STATIONS (AFF. TO LEVER)
  - 28.1. STANDARD MOUNTING = 48" MAX.
  - 28.2. ADA FORWARD REACH = 48" MAX. & 15" MIN.
  - 28.3. ADA SIDE REACH = 48" MAX. & 15" MIN.
29. SMOKE AND/OR HEAT DETECTORS
  - 29.1. STANDARD = CEILING HEIGHT
30. HORN/ SPEAKER/ VISUAL SIGNALS
  - 30.1. STANDARD = 80" AFF. OR 6" BELOW CEILING - WHICHEVER IS LOWER.



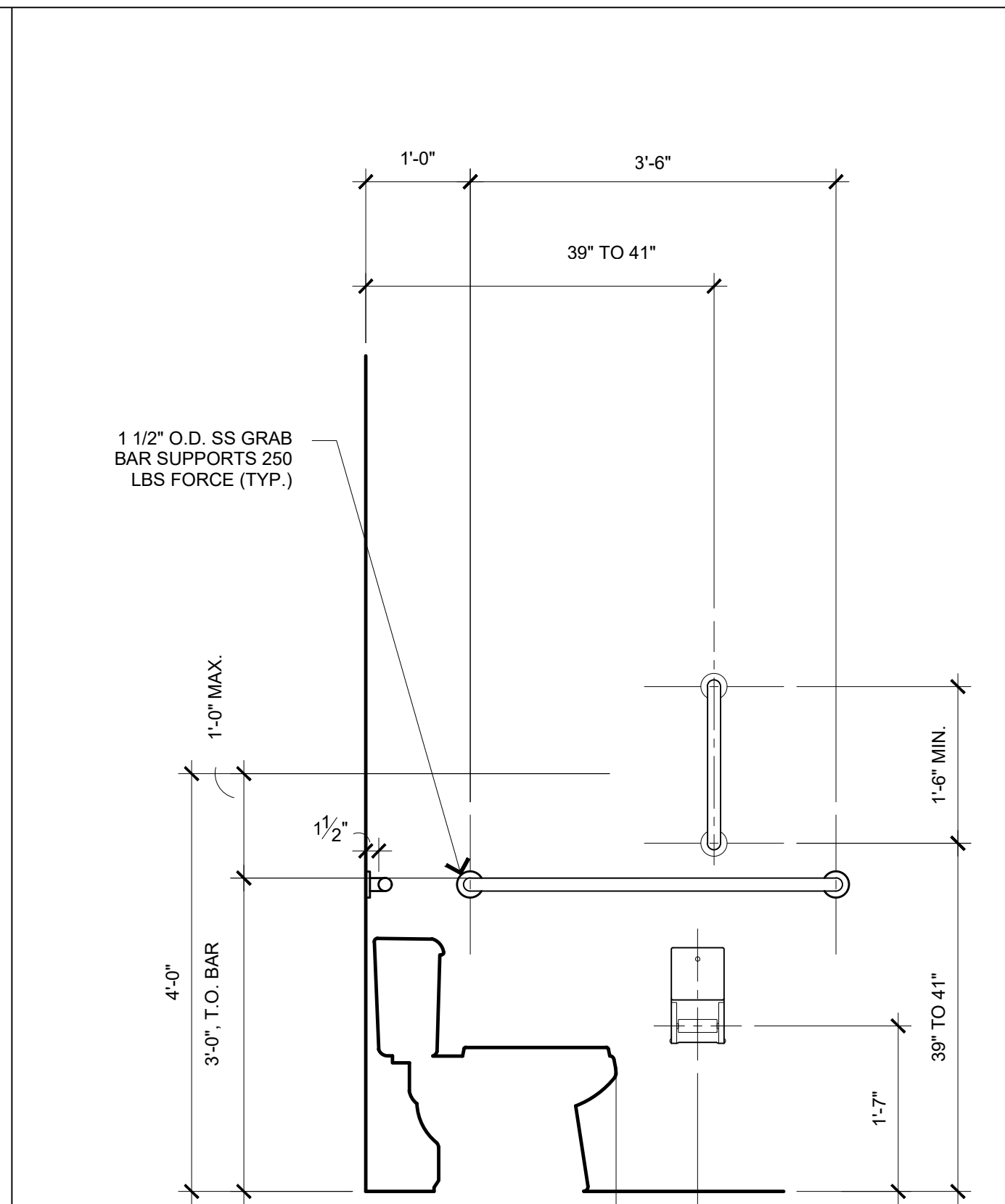
**1 ADA CLR FLOOR SPACE**  
SCALE: 3/4" = 1'-0"



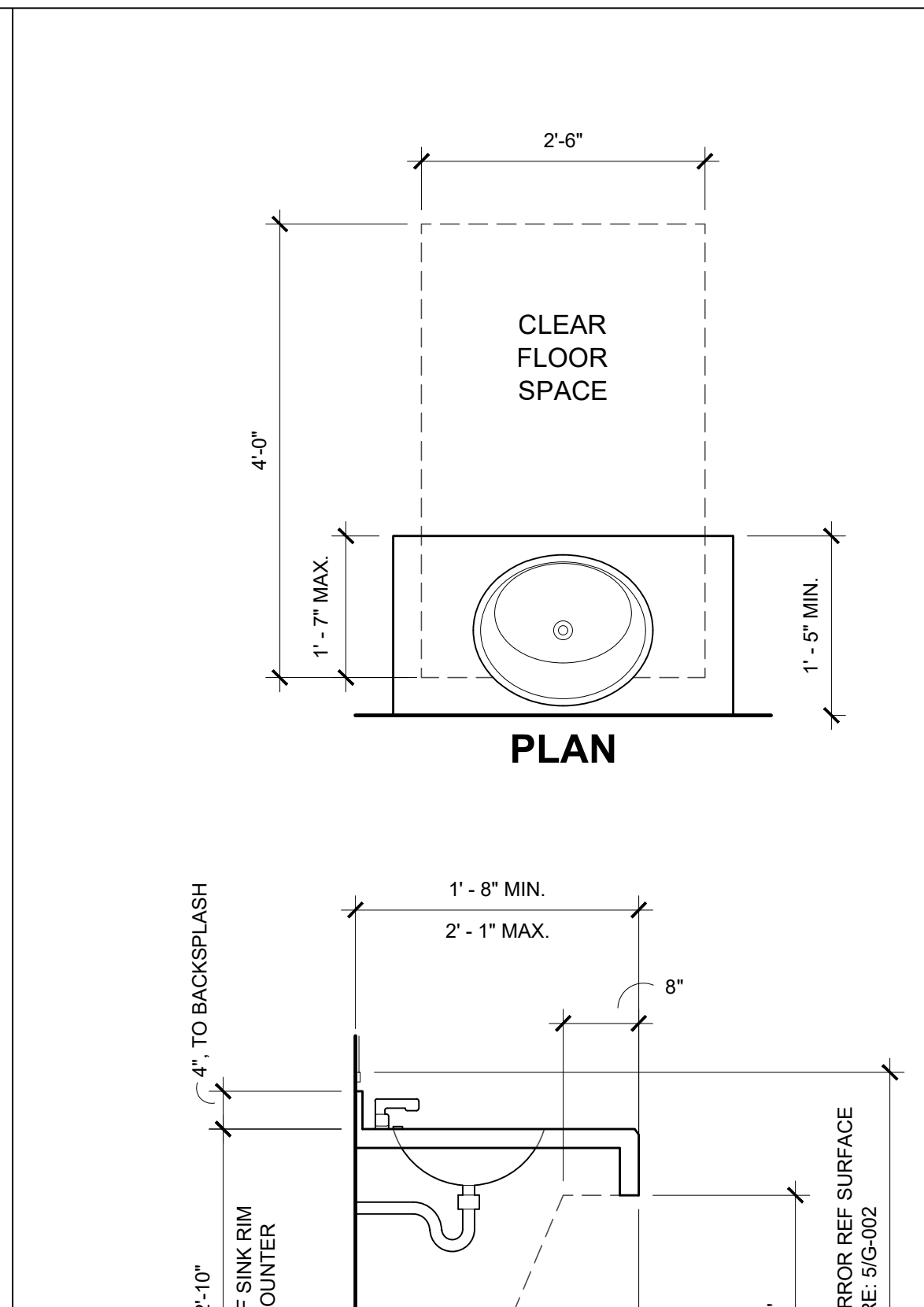
**3 WC ELEVATION**  
SCALE: 3/4" = 1'-0"



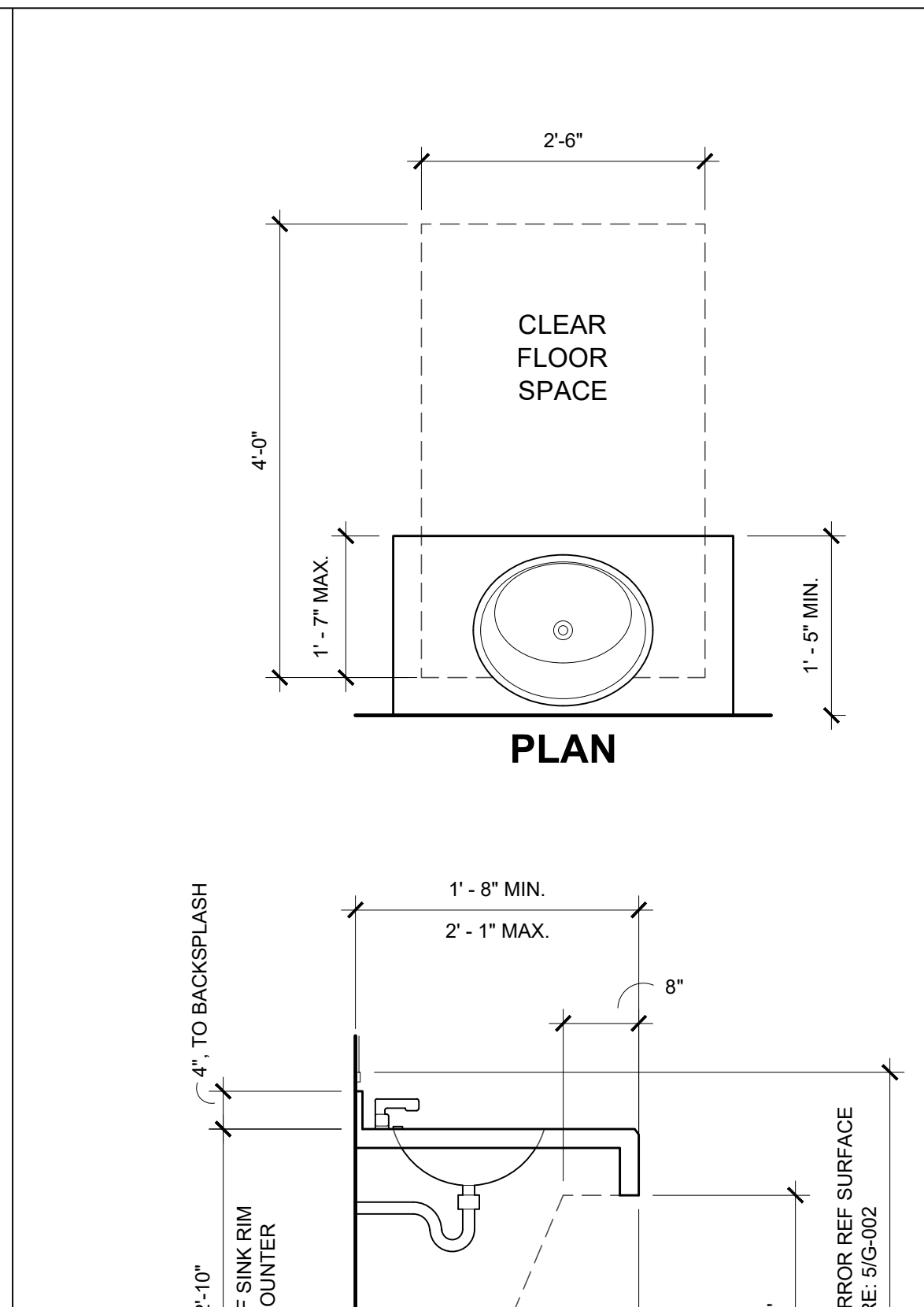
**2 IN-COUNTER SINK**  
SCALE: 3/4" = 1'-0"



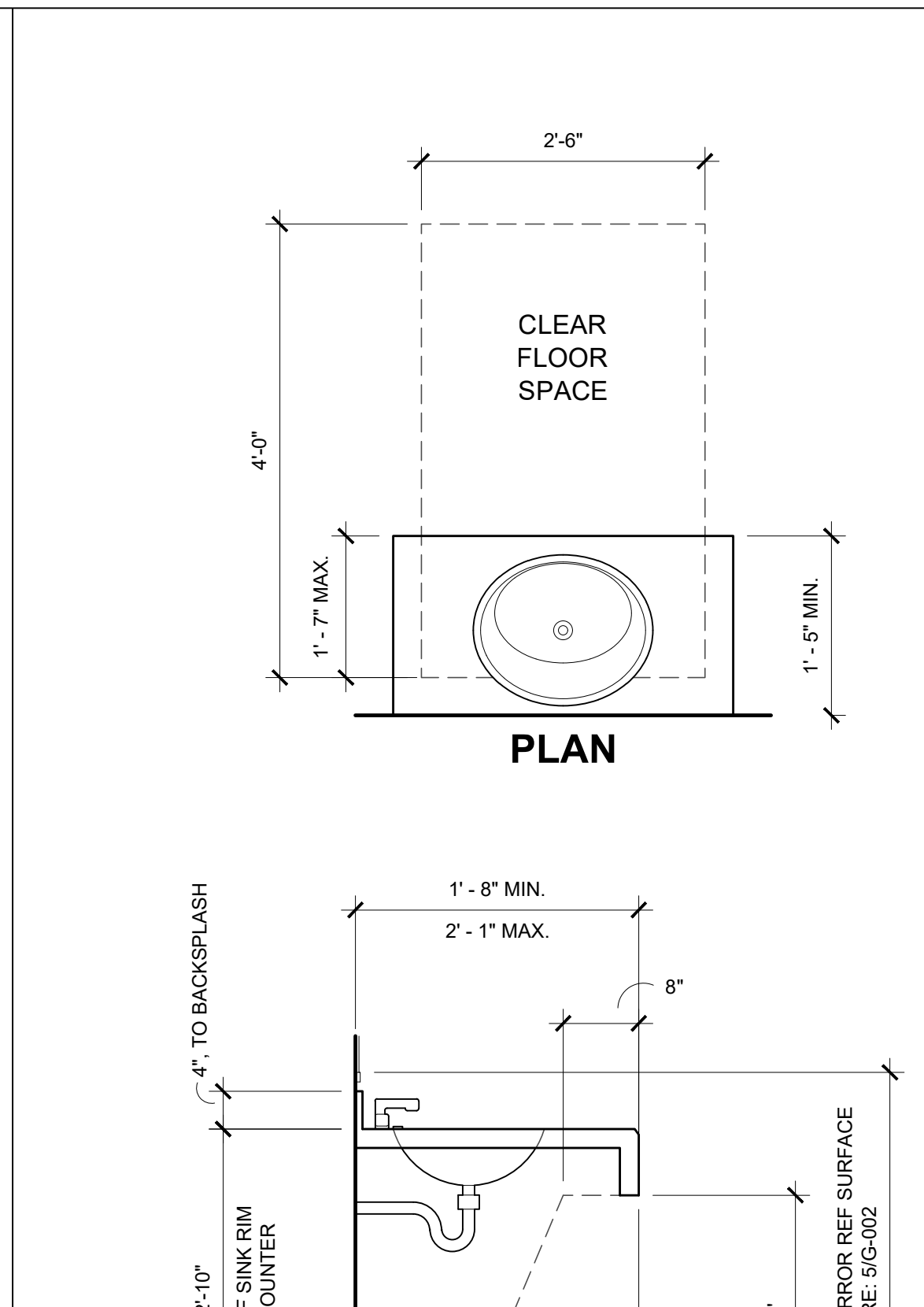
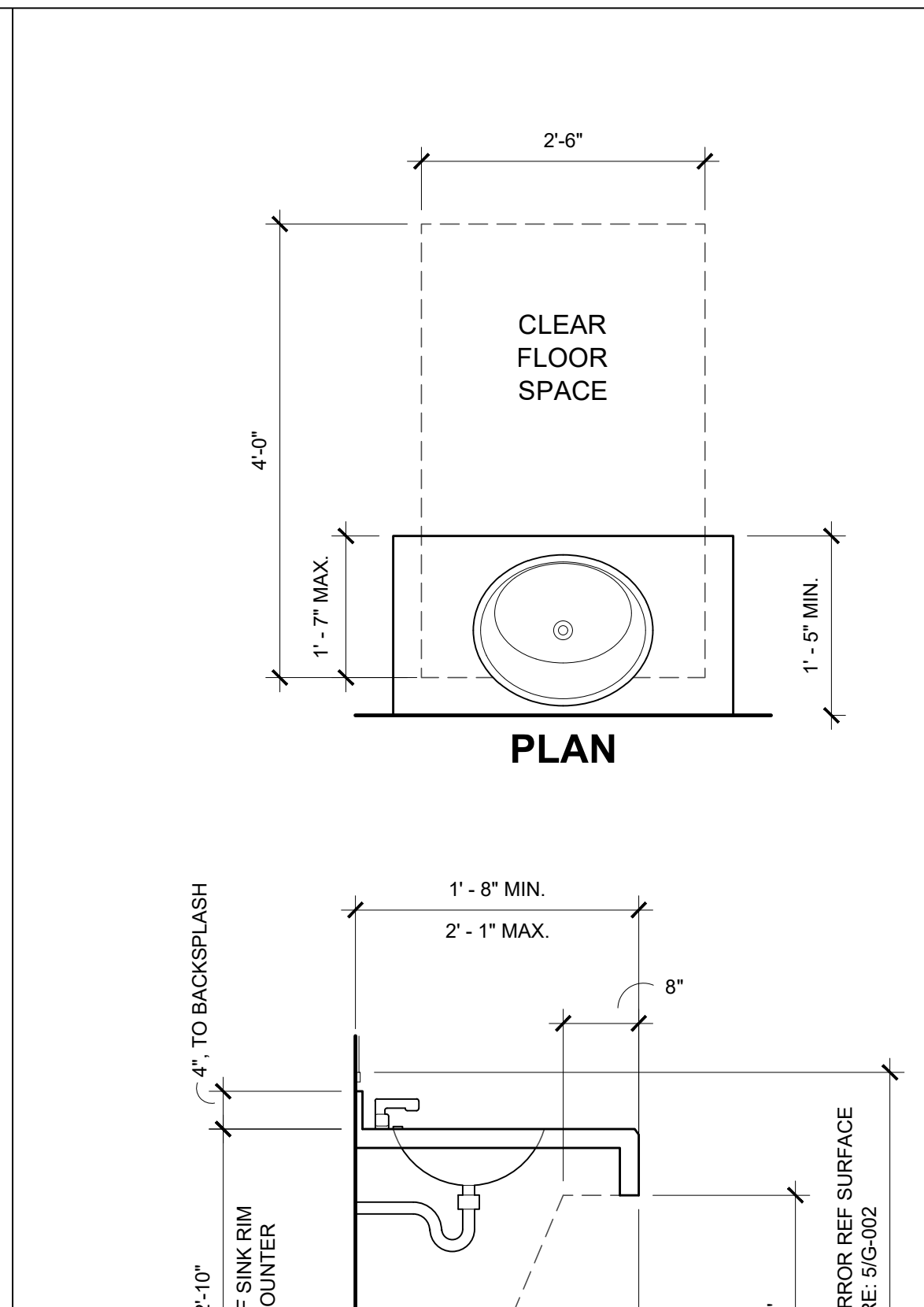
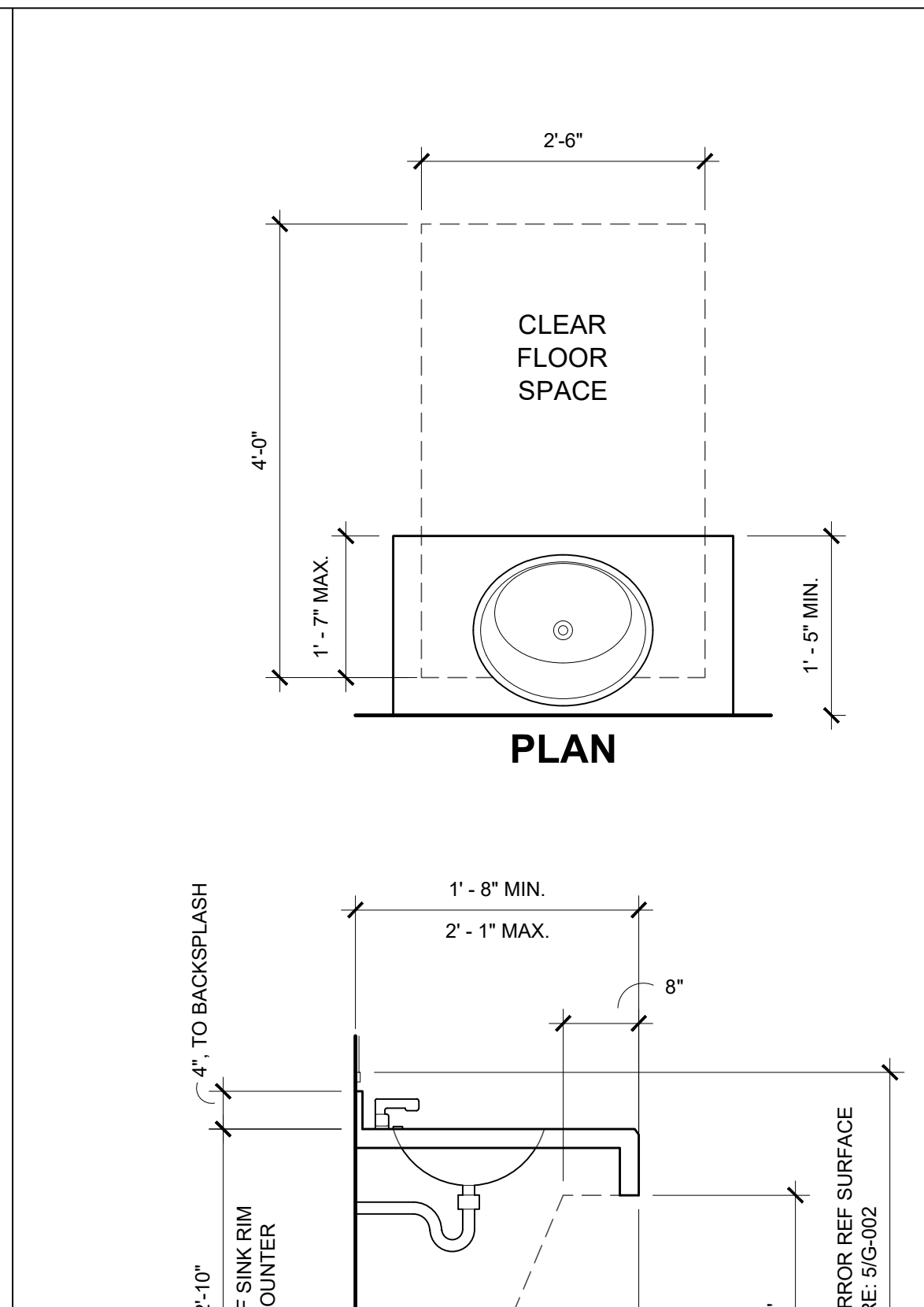
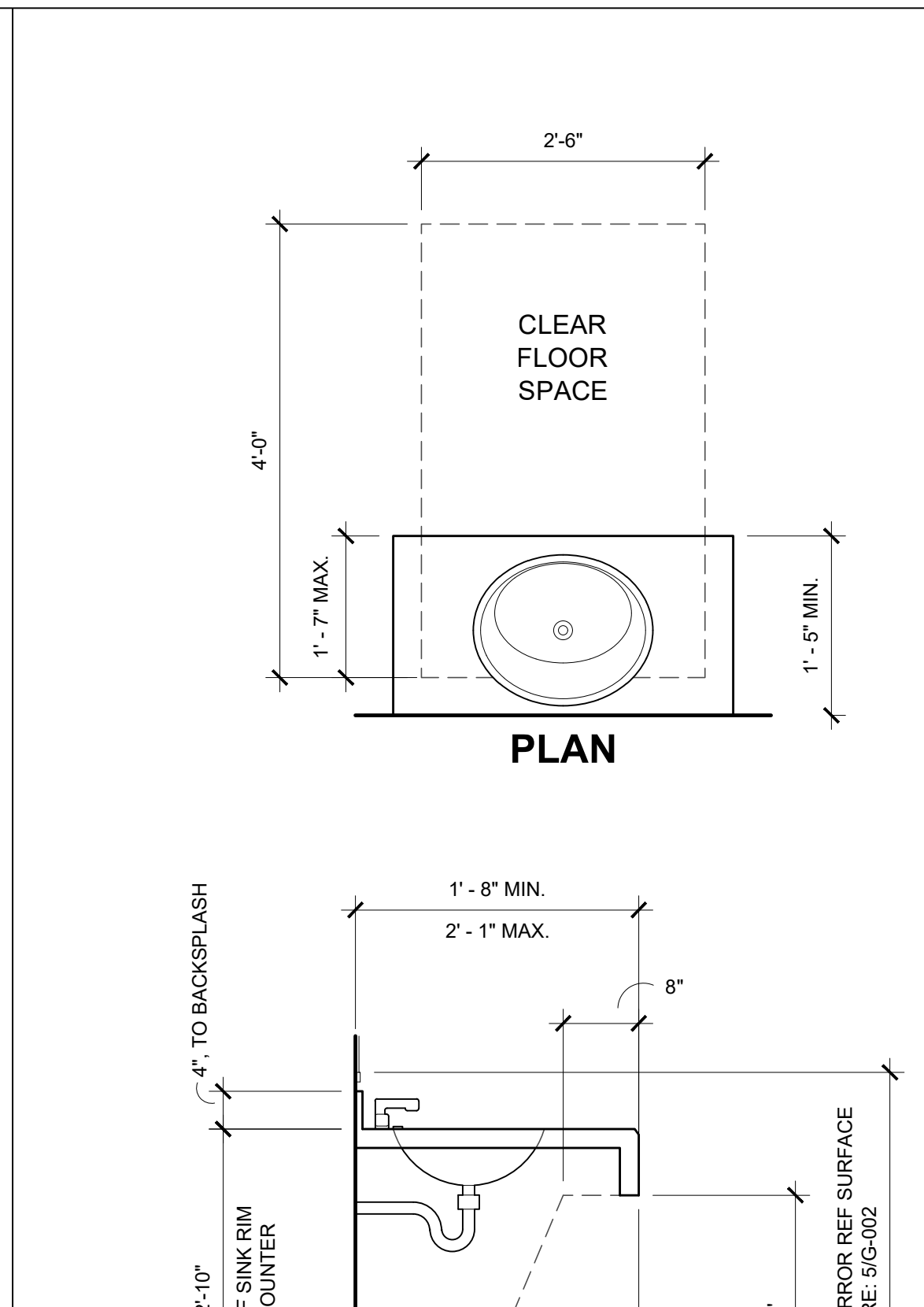
**4 WC SECTION**  
SCALE: 3/4" = 1'-0"



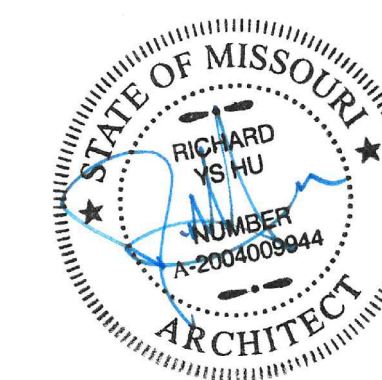
**6 TYPICAL BLOCKING DETAILS**  
SCALE: 3/4" = 1'-0"



**5 TOILET ACCESSORY MOUNTING HEIGHTS**  
SCALE: 3/4" = 1'-0"







**HJM**  
ARCHITECTS

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

REMODEL SHOWER &  
RESTROOM

CROSSROADS & ESPERANZA  
GROUP HOMES

KANSAS CITY, MO

PROJECT # M2412-01  
SITE # 7381; 7387  
FACILITY # 6517381003;  
6517387002

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/27/2024

CAD DWG FILE: AD-101.DWG  
DRAWN BY: MPL  
CHECKED BY: CLB  
DESIGNED BY: MPL

SHEET TITLE:  
**CGH, DEMOLITION  
TOILET PLANS AND  
REFL CEILING PLANS**

SHEET NUMBER:

**AD-101**

4 OF 9 SHEETS  
09/27/2024

**DEMOLITION PLAN KEY NOTES:**

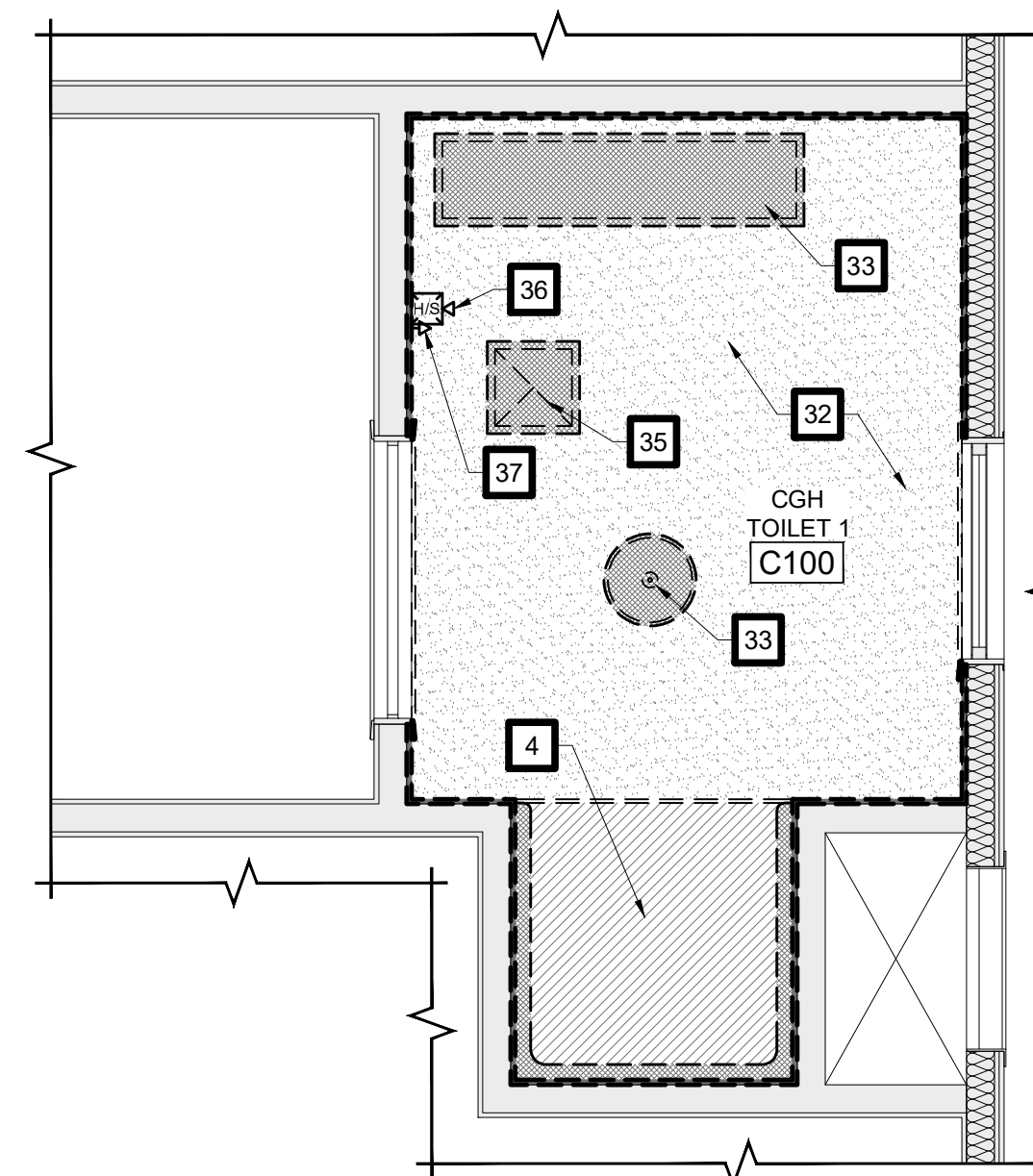
1. DEMO WALL MTD SINK, FAUCET, AND PIPING TO ROUGH IN AT WALL SURFACE.
2. DEMO C-TOP W/ INTEGRAL SINK, APRON, FAUCET, AND PIPING TO ROUGH IN AT WALL SURFACE.
3. DEMO C-TOP W/ DROP-IN SINK, APRON, FAUCET, AND PIPING TO ROUGH IN AT WALL SURFACE.
4. DEMO SHOWER PAN, DRAIN, ENCLOSURE, GRAB BARS, AND FAUCET.
5. DEMO TUB SURROUND/SUBSTRATE, GRAB BARS, AND FAUCET. ALCOVE TUB REMAIN; PROTECT AS REQ'D.
6. REMOVE AND RESERVE TOILET.
7. DEMO FLOOR DRAIN AND PREPARE FOR NEW TRENCH DRAIN PER NEW WORK PLAN.
8. TRENCH DRAIN TO REMAIN. REMOVE AND RESERVE GRATE AS REQ'D.
9. REMOVE EPOXY FINISH AND ALL SUBSURFACE COMPONENTS DOWN TO EXISTING SUBFLOOR. SAND AS REQ'D FOR NEW EPOXY FINISH.
10. REMOVE TILE FINISH AND ALL SUBSURFACE COMPONENTS DOWN TO EXISTING SUBFLOOR. SAND AS REQ'D FOR NEW EPOXY FINISH.
11. DEMO SHOWER CURB.
12. DEMO FRP WALL FINISH/MOULDINGS, CORNER PROTECTION, AND ALL SUBSTRATE TO STRUCTURE.
13. DEMO TILE WALL FINISH AND ALL SUBSTRATE TO STRUCTURE.
14. DEMO GYP WALL BOARD AND SUBSTRATE TO STRUCTURE.
15. DEMO WOOD WINDOW CASING TRIM, WINDOW TO REMAIN.
16. DEMO WOOD DOOR CASING TRIM, DOOR AND JAMB TO REMAIN.
17. DEMO SHELVING AND SUPPORTS.
18. DEMO GRAB BAR.
19. DEMO LAVATORY MIRROR.
20. DEMO SOAP DISPENSER.
21. DEMO SEMI-RECESSED SOAP DISH.
22. DEMO FOLDED PAPER TOWEL DISPENSER.
23. DEMO ROLL PAPER TOWEL DISPENSER.
24. DEMO TOILET PAPER DISPENSER.
25. DEMO SANITARY NAPKIN DISPOSAL.
26. DEMO TOWEL/ROBE HOOK.
27. DEMO WALL MOUNTED DOOR STOP.
28. DEMO AUTOMATIC AIR FRESHENER.
29. DEMO GFCI OUTLET & PLATE COVER.
30. DEMO SWITCH & PLATE COVER.
31. DEMO WALL MOUNTED AIR DIFFUSERS (NOT SHOWN).

**DEMOLITION RCP KEY NOTES:**

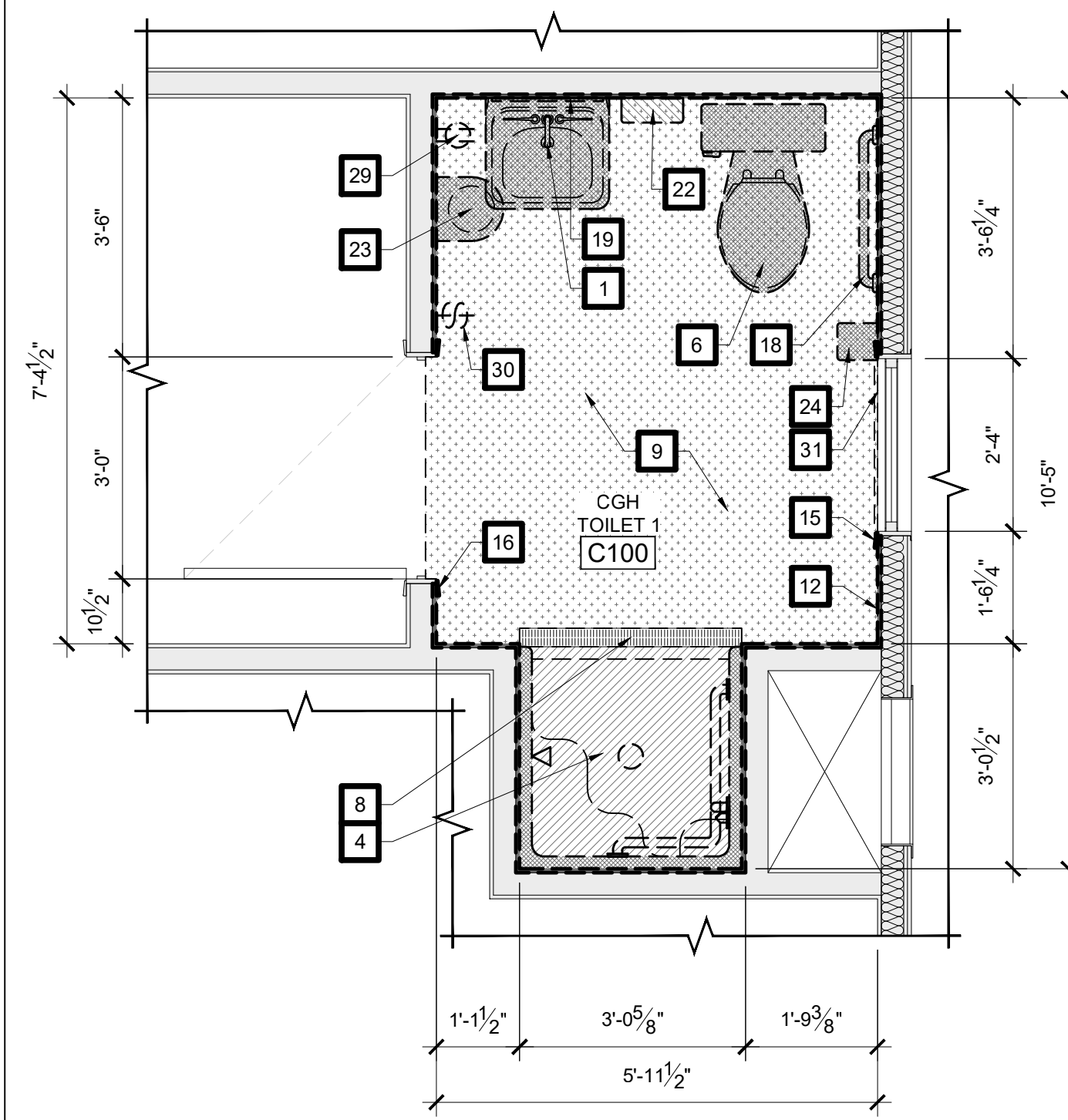
32. REMOVE KNOCKDOWN/POPCORN CEILING FINISH, GYP BD TO REMAIN.
33. DEMO CEILING MOUNTED LIGHT FIXTURE.
34. DEMO RECESSED CAN LIGHT FIXTURE.
35. DEMO EXHAUST FAN.
36. REMOVE AND RESERVE FIRE NOTIFICATION DEVICE.
37. REMOVE AND RESERVE SIDE WALL SPRINKLER HEAD AS REQ'D.
38. CEILING SPRINKLER HEAD TO REMAIN.

**GENERAL DEMOLITION NOTES:**

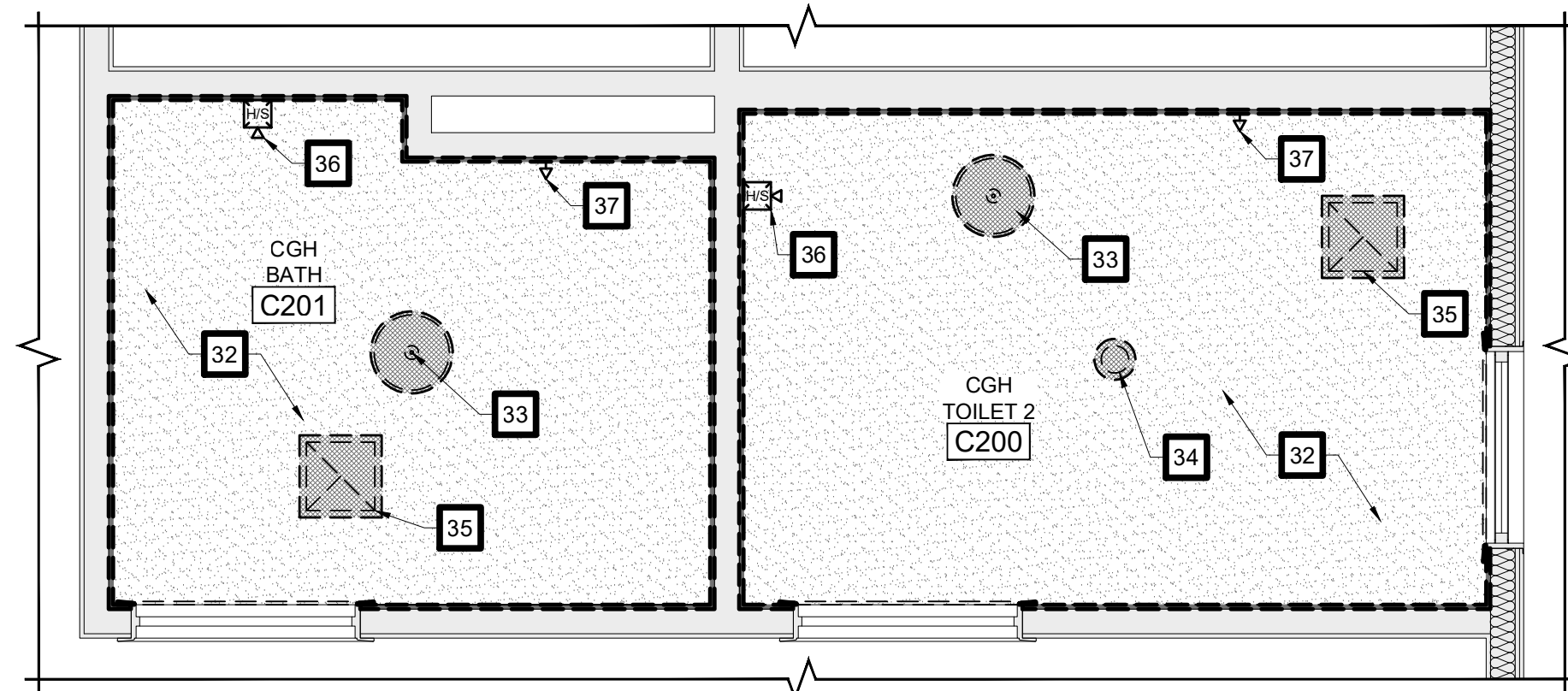
1. DURING DEMOLITION, IDENTIFY PARTITIONS THAT CURRENTLY HAVE PLYWOOD SHEATHING BEHIND THE GYPSUM BOARD. ONLY THESE AREAS WILL RECEIVE NEW PLYWOOD SHEATHING. RE: AE-101 & AE-102
2. VERIFY FIRE SPRINKLER MEETS CODE CODE. OWNER TO REMOVE ART, MOVEABLE EQPT, AND OTHER ACCESSORIES.
3. SCOPE SANITARY LINE.



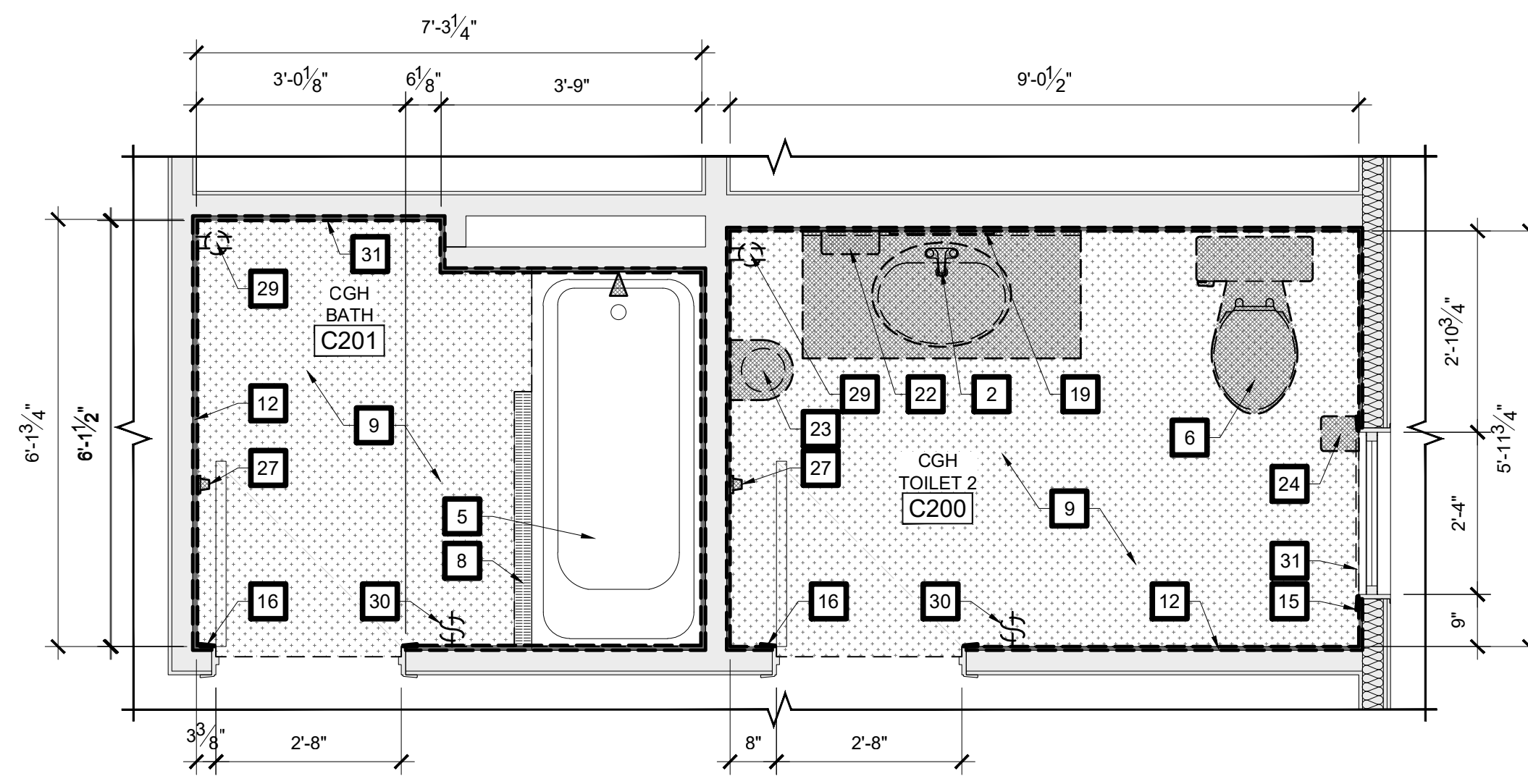
**2 CGH, 1ST FL, ENLD DEMO RCP**  
SCALE: 1/2" = 1'-0"



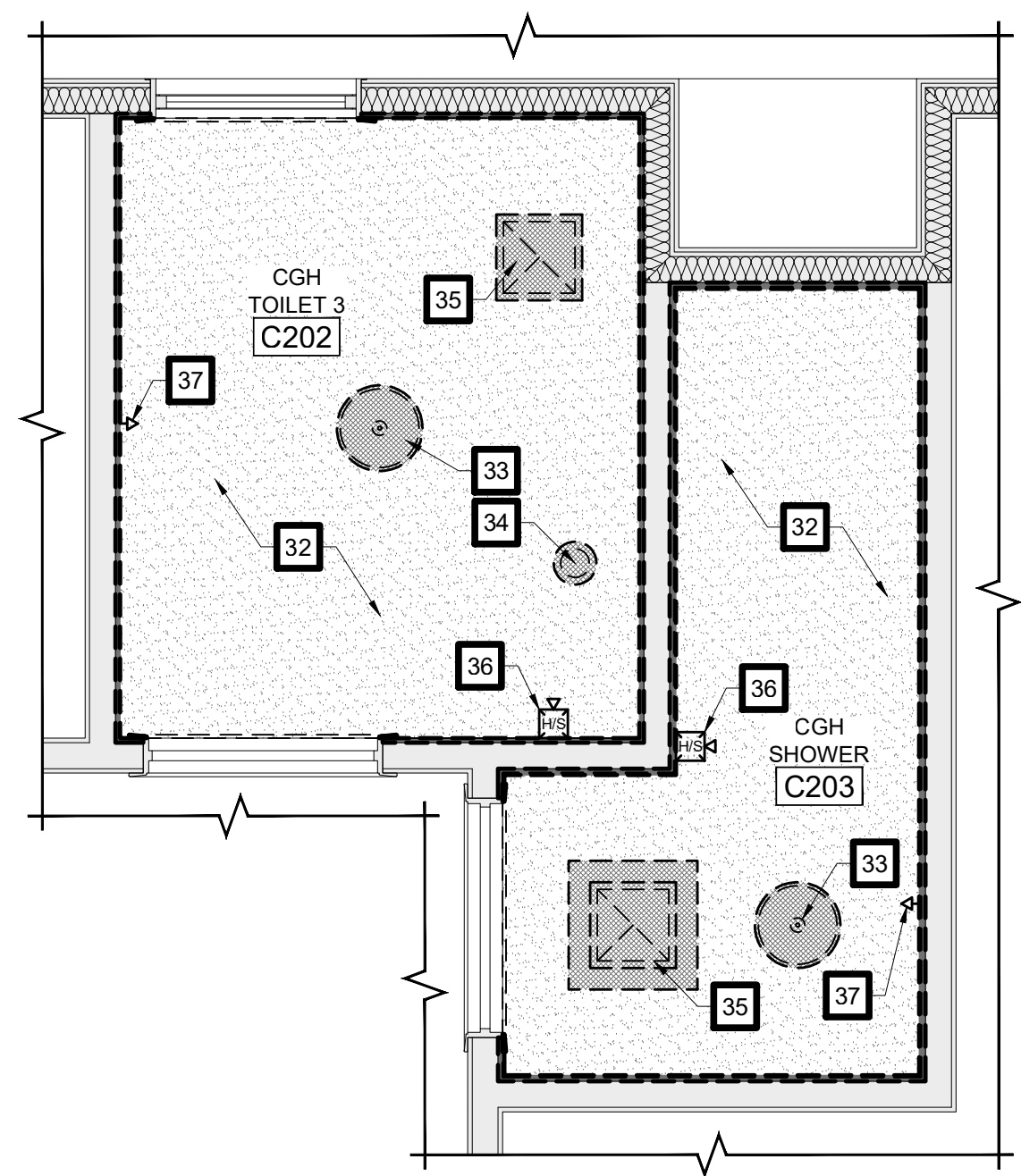
**1 CGH, 1ST FL, ENLD DEMO PLAN**  
SCALE: 1/2" = 1'-0"



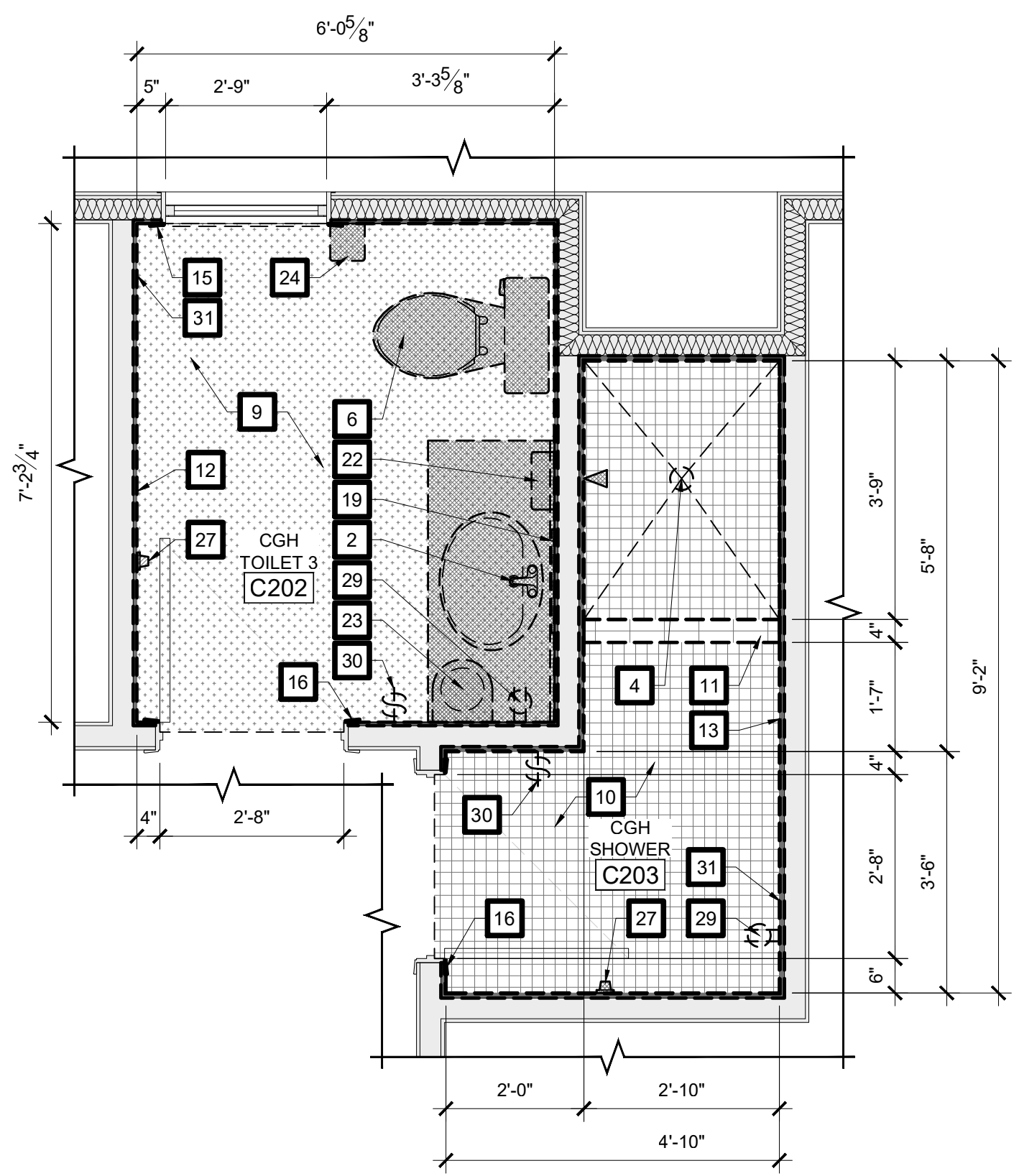
**4 CGH, 2ND FL, AREA 1, ENLD DEMO RCP**  
SCALE: 1/2" = 1'-0"



**3 CGH, 2ND FL, AREA 1, ENLD DEMO PLAN**  
SCALE: 1/2" = 1'-0"

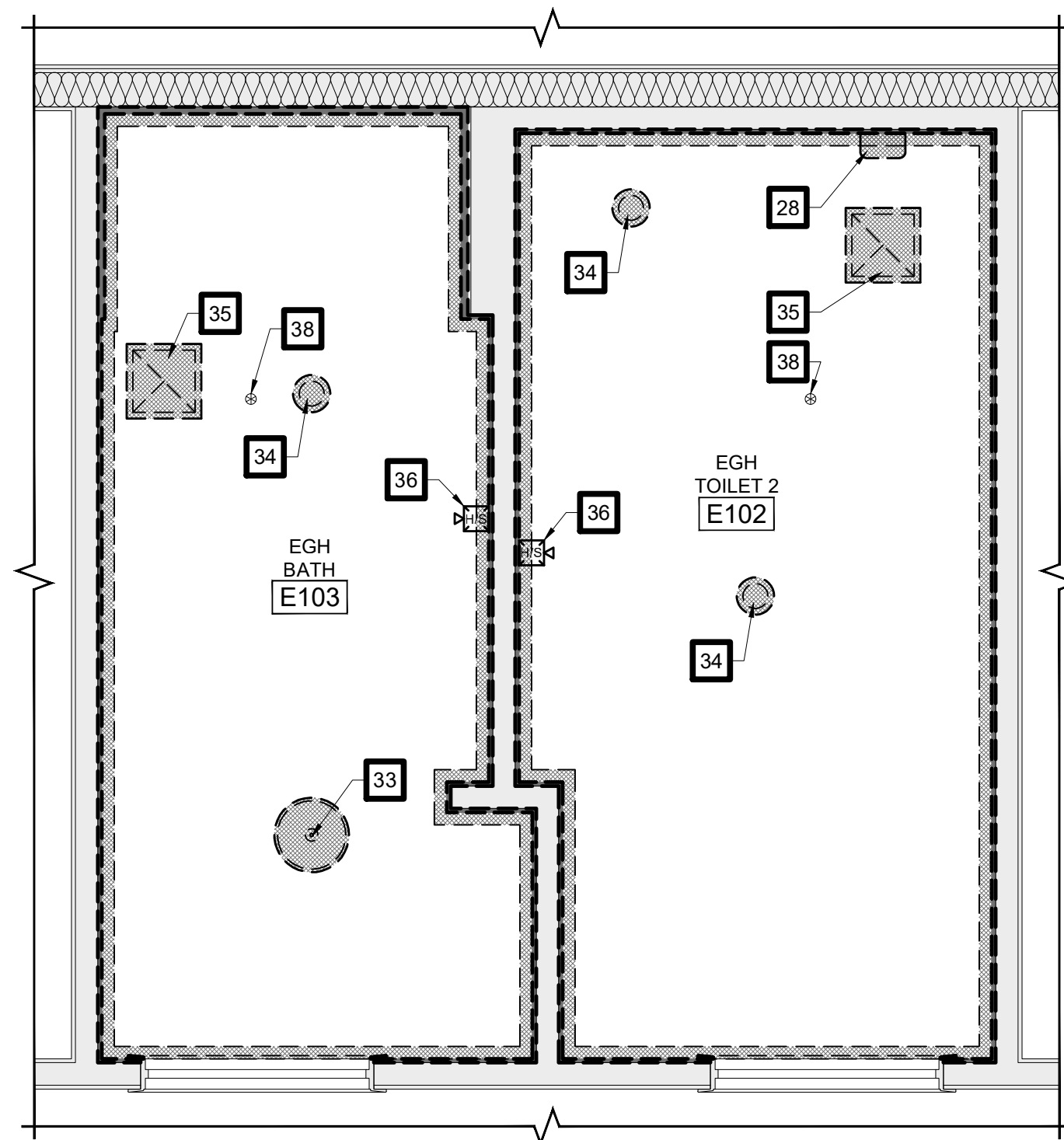


**6 CGH, 2ND FL, AREA 2, ENLD DEMO RCP**  
SCALE: 1/2" = 1'-0"

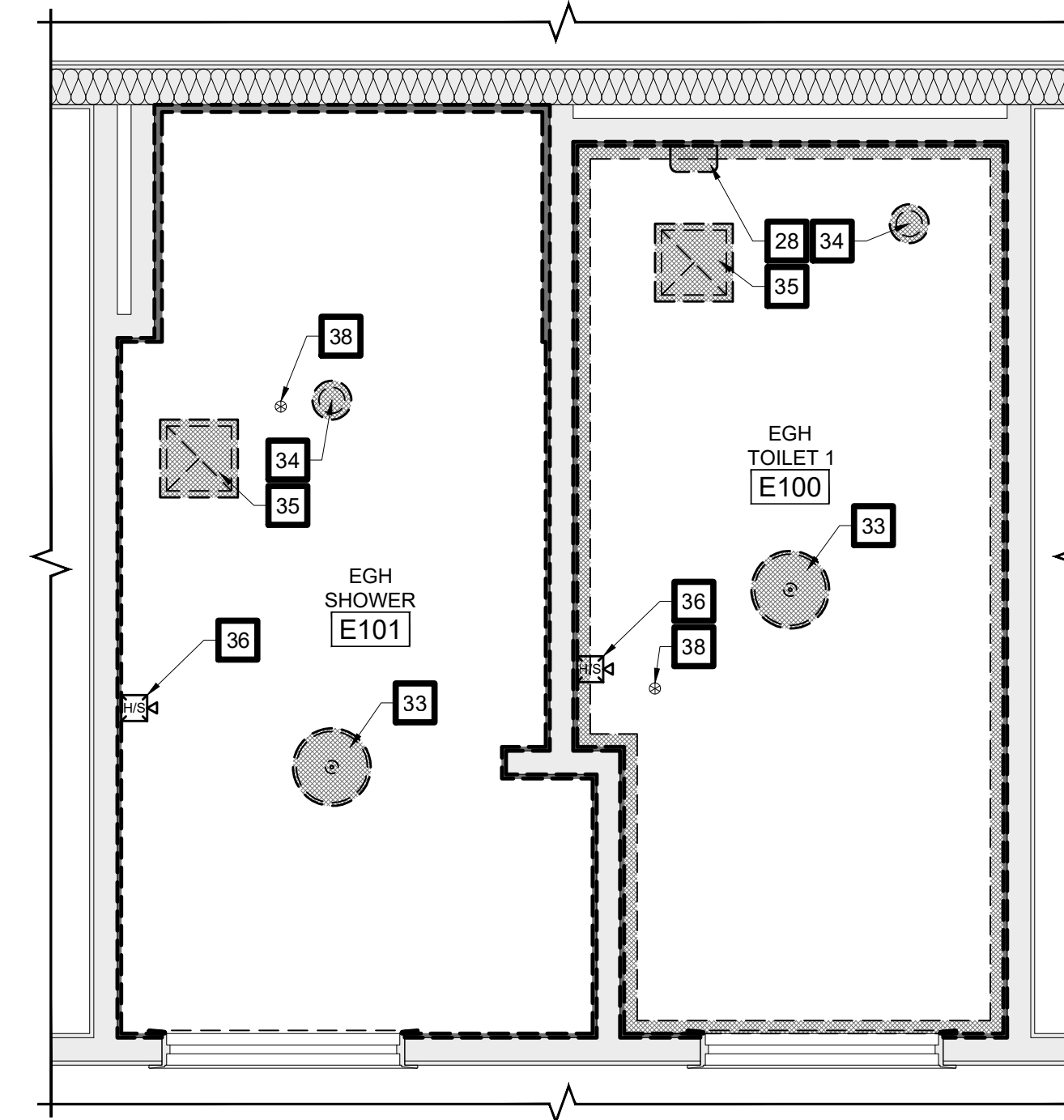


**5 CGH, 2ND FL, AREA 2, ENLD DEMO PLAN**  
SCALE: 1/2" = 1'-0"





**4** EGH, AREA 2, ENLD REFL CLNG PLAN  
SCALE: 1/2" = 1'-0"



**2** EGH, AREA 1, ENLD REFL CLNG PLAN  
SCALE: 1/2" = 1'-0"

**DEMOLITION PLAN KEY NOTES:**

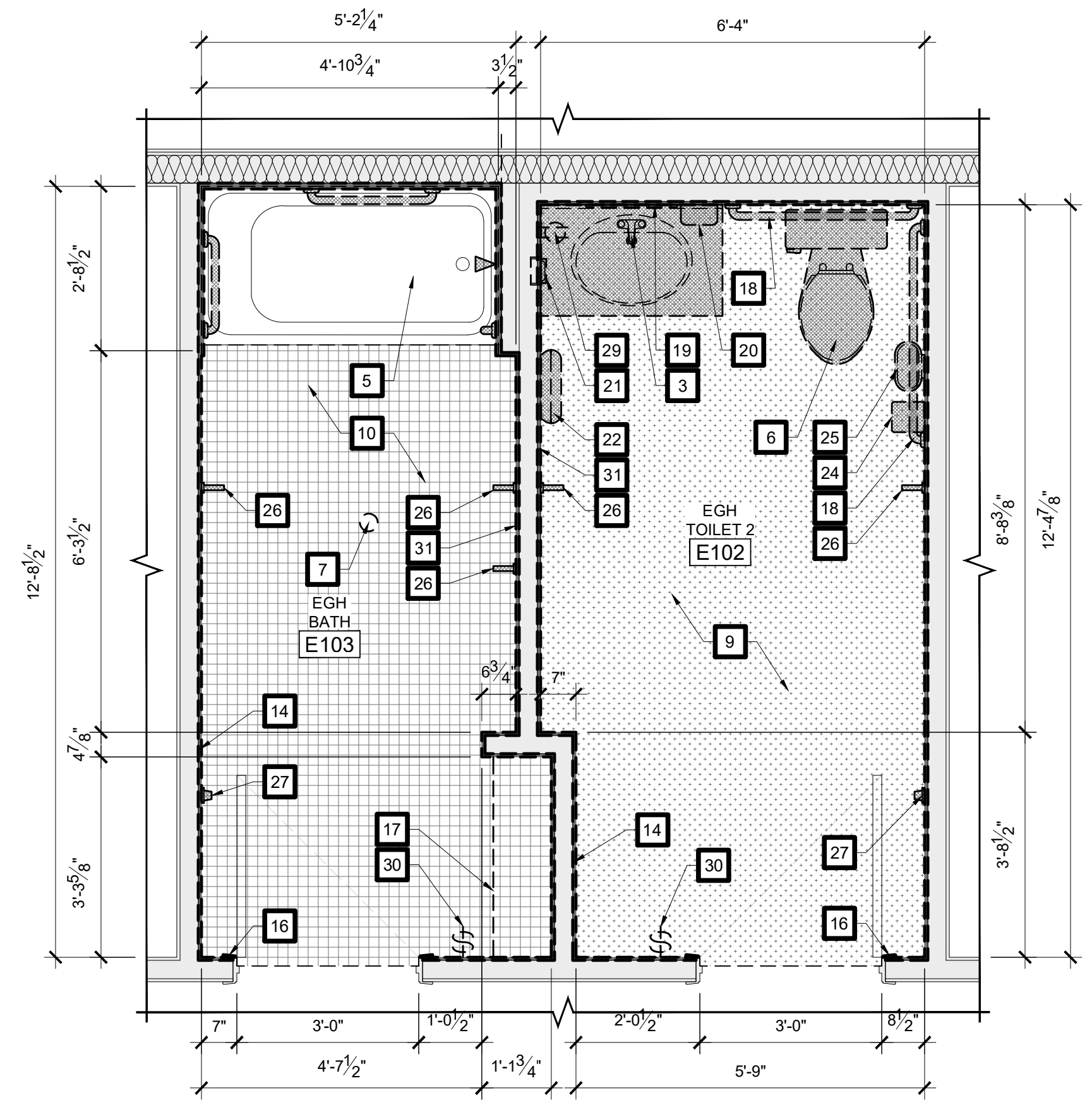
1. DEMO WALL MTD SINK, FAUCET, AND PIPING TO ROUGH IN AT WALL SURFACE.
2. DEMO C-TOP W/ INTEGRAL SINK, APRON, FAUCET, AND PIPING TO ROUGH IN AT WALL SURFACE.
3. DEMO C-TOP W/ DROP-IN SINK, APRON, FAUCET, AND PIPING TO ROUGH IN AT WALL SURFACE.
4. DEMO SHOWER PAN, DRAIN, ENCLOSURE, GRAB BARS, AND FAUCET.
5. DEMO TUB SURROUND/SUBSTRATE, GRAB BARS, AND FAUCET. ALCOVE TUB REMAIN; PROTECT AS REQD.
6. REMOVE AND RESERVE TOILET.
7. DEMO FLOOR DRAIN AND PREPARE FOR NEW TRENCH DRAIN PER NEW WORK PLAN.
8. TRENCH DRAIN TO REMAIN. REMOVE AND RESERVE GRATE AS REQD.
9. REMOVE EPOXY FINISH AND ALL SUBSURFACE COMPONENTS DOWN TO EXISTING SUBFLOOR. SAND AS REQD FOR NEW EPOXY FINISH.
10. REMOVE TILE FINISH AND ALL SUBSURFACE COMPONENTS DOWN TO EXISTING SUBFLOOR. SAND AS REQD FOR NEW EPOXY FINISH.
11. DEMO SHOWER CURB.
12. DEMO FRP WALL FINISH/MOULDINGS, CORNER PROTECTION, AND ALL SUBSTRATE TO STRUCTURE.
13. DEMO TILE WALL FINISH AND ALL SUBSTRATE TO STRUCTURE.
14. DEMO GYP WALL BOARD AND SUBSTRATE TO STRUCTURE.
15. DEMO WOOD WINDOW CASING TRIM, WINDOW TO REMAIN.
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17. DEMO SHELVING AND SUPPORTS.
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19. DEMO LAVATORY MIRROR.
20. DEMO SOAP DISPENSER.
21. DEMO SEMI-RECESSED SOAP DISH.
22. DEMO FOLDED PAPER TOWEL DISPENSER.
23. DEMO ROLL PAPER TOWEL DISPENSER.
24. DEMO TOILET PAPER DISPENSER.
25. DEMO SANITARY NAPKIN DISPOSAL.
26. DEMO TOWEL/ROBE HOOK.
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28. DEMO AUTOMATIC AIR FRESHENER.
29. DEMO GFCI OUTLET & PLATE COVER.
30. DEMO SWITCH & PLATE COVER.
31. DEMO WALL MOUNTED AIR DIFFUSERS (NOT SHOWN).

**DEMOLITION RCP KEY NOTES:**

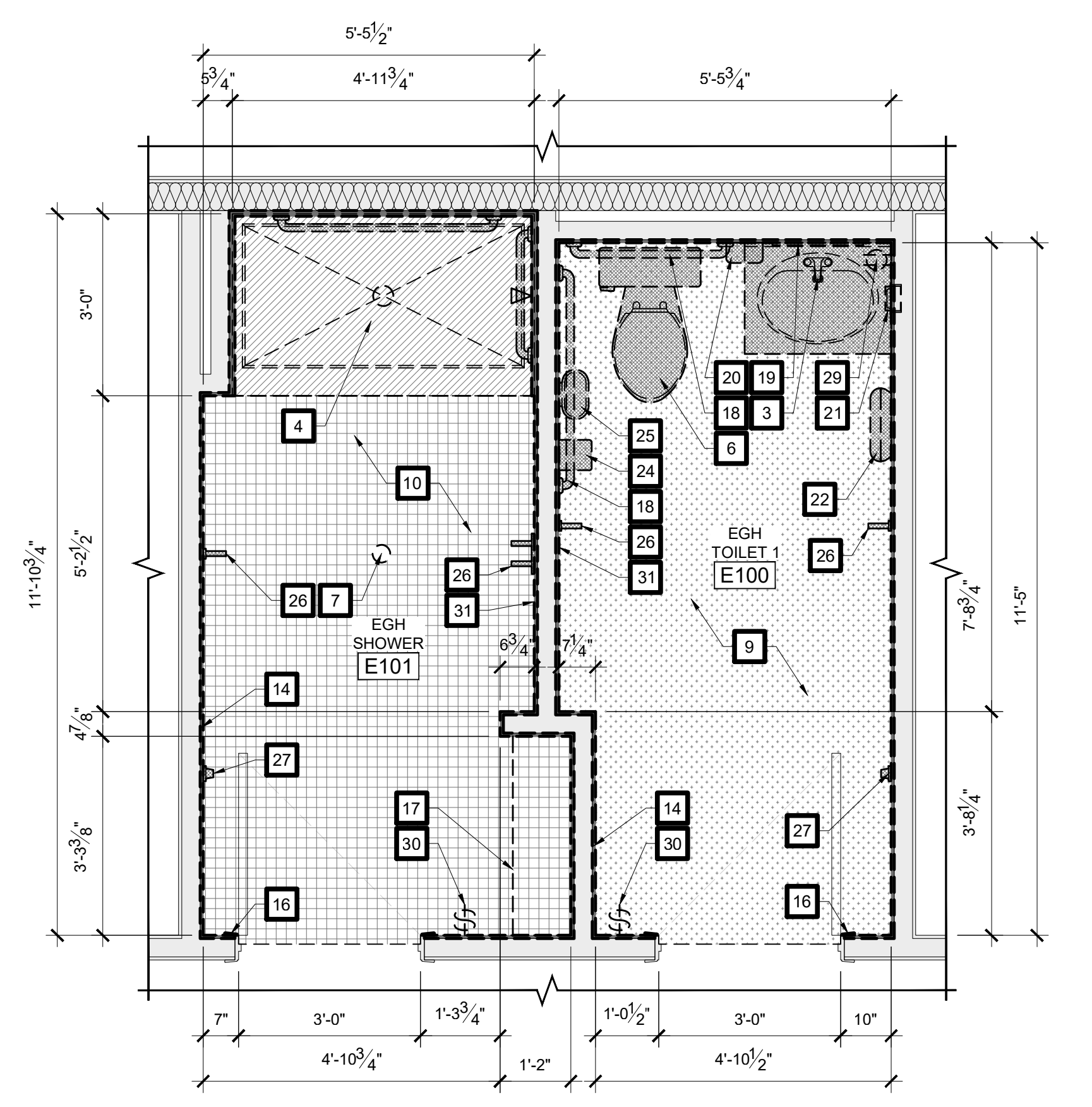
32. REMOVE KNOCKDOWN/POPCORN CEILING FINISH, GYP BD TO REMAIN.
33. DEMO CEILING MOUNTED LIGHT FIXTURE.
34. DEMO RECESSED CAN LIGHT FIXTURE.
35. DEMO EXHAUST FAN.
36. REMOVE AND RESERVE FIRE NOTIFICATION DEVICE.
37. REMOVE AND RESERVE SIDE WALL SPRINKLER HEAD AS REQD.
38. CEILING SPRINKLER HEAD TO REMAIN.

**GENERAL DEMOLITION NOTES:**

1. DURING DEMOLITION, IDENTIFY PARTITIONS THAT CURRENTLY HAVE PLYWOOD SHEATHING BEHIND THE GYPSUM BOARD. ONLY THESE AREAS WILL RECEIVE NEW PLYWOOD SHEATHING. RE: AE-101 & AE-102
2. VERIFY FIRE SPRINKLER MEETS CODE CODE. OWNER TO REMOVE ART, MOVEABLE EQPT, AND OTHER ACCESSORIES.
3. SCOPE SANITARY LINE.



**3** EGH, AREA 2, ENLD DEMO PLAN  
SCALE: 1/2" = 1'-0"



**1** EGH, AREA 1, ENLD DEMO PLAN  
SCALE: 1/2" = 1'-0"

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

REMODEL SHOWER &  
RESTROOM

CROSSROADS & ESPERANZA  
GROUP HOMES

KANSAS CITY, MO

PROJECT # M2412-01  
SITE # 7381; 7387  
FACILITY # 6517381003;  
6517387002

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/27/2024

CAD DWG FILE: AD-102.DWG  
DRAWN BY: MPL  
CHECKED BY: CLB  
DESIGNED BY: MPL

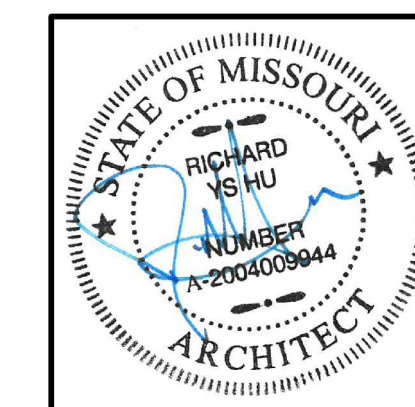
SHEET TITLE:  
EGH, DEMOLITION  
TOILET PLANS AND  
REFL CEILING PLANS

SHEET NUMBER:

**AD-102**

5 OF 9 SHEETS  
09/27/2024





OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

REMODEL SHOWER &  
RESTROOM

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KANSAS CITY, MO

PROJECT # M2412-01  
SITE # 7381; 7387  
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REVISION:  
DATE:  
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DATE:  
ISSUE DATE: 09/27/2024

CAD DWG FILE: AE-101.DWG  
DRAWN BY: MPL  
CHECKED BY: CLB  
DESIGNED BY: MPL

SHEET TITLE:  
CGH, NEW WORK  
TOILET PLANS AND  
REFL CEILING PLANS

SHEET NUMBER:

**AE-101**

6 OF 9 SHEETS  
09/27/2024

MARK	DESCRIPTION	BASIS OF DESIGN		COMMENTS
		MANUFACTURER	MODEL	
J	LAVATORY MIRROR	BOBRICK	B-290 1836	1
K	SOAP DISPENSER	BOBRICK	B-4112	1
L	NOT USED	-	-	-
M	FOLDED PAPER TOWEL DISPENSER	BOBRICK	B-4262	1
N	TOILET PAPER DISPENSER	BOBRICK	B-4288	1
O	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	1
P	NOT USED	-	-	-
Q	WALL MTD. DOOR STOP	ROCKWOOD	409 - US32D	OR EQUIVALENT

- COMMENTS:  
1. BASIS OF DESIGN  
2. PROVIDE BLOCKING IN WALLS AT GRAB BARS AS REQ'D, RE: 6/G-003.

MARK	DESCRIPTION	BASIS OF DESIGN		COMMENTS
		MANUFACTURER	MODEL	
A	12" GRAB BAR	BOBRICK	B-6806x12	1, 2
B	18" GRAB BAR	BOBRICK	B-6806x18	1, 2
C	24" GRAB BAR	BOBRICK	B-6806x24	1, 2
D	36" GRAB BAR	BOBRICK	B-6806x36	1, 2
E	42" GRAB BAR	BOBRICK	B-6806x42	1, 2
F	2-WALL GRAB BAR	BOBRICK	B-6861	1, 2
G	WALL MTD SHOWER SEAT	BRADLEY	9593	1
H	WALL MTD BATH SEAT	ASI	8358	1

**NEW WORK PLAN KEY NOTES:**

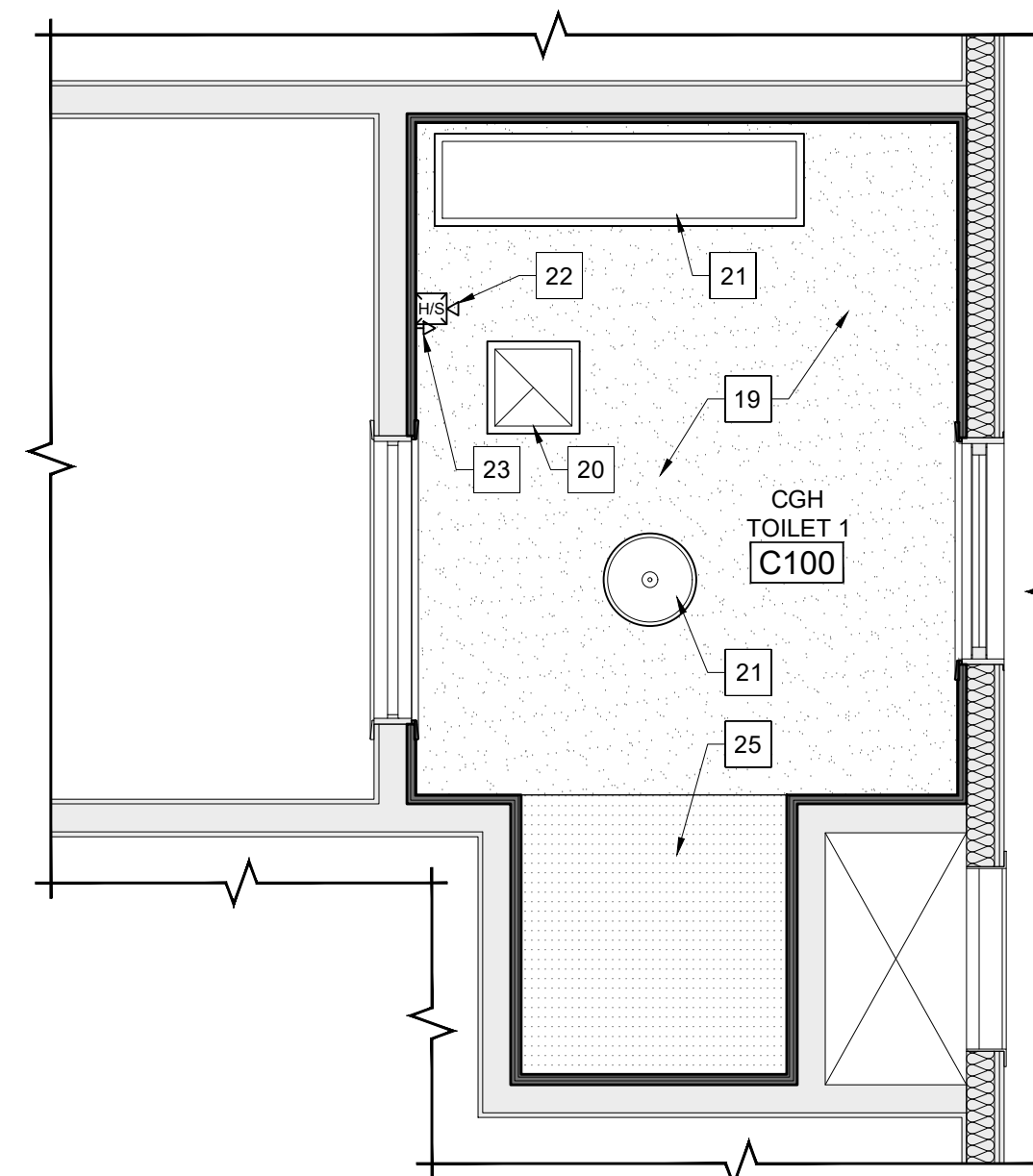
- SOLID SURFACE VANITY TOP W/ INTEGRAL SINK BOWL & BACKSIDESPLASHES ON ADA COMPLIANT FLOATING VANITY SUPPORT BRACKETS WITH COORDINATING SOLID SURFACE KNEE CLEARANCE PANEL.
- ADA COMPLIANT SOLID SURFACE SHOWER BASE W/ ENTRY RAMP WHERE SPACE ALLOWS. DRAIN AND TIE-IN PER PLUMBING. SHOWER THRESHOLDS PER ADA 608.7.
- SOLID SURFACE SURROUND PANELS AND TRIM. EXTEND UP TO 1'-0" BEYOND EDGE OF TUB/SHOWER PAN WHERE POSSIBLE.
- NEW PVC CASING TRIM AROUND EXISTING WINDOW, WITH EPOXY PAINT PER FINISH SCHEDULE.
- NEW PVC CASING TRIM AROUND EXISTING DOOR, WITH EPOXY PAINT PER FINISH SCHEDULE.
- NEW FRP WALL PANELS AND TRIM.
- 1-LAYER 5/8" WATER RESISTANT GYPSUM BOARD ON 1-LAYER 1/2" PLYWOOD SHEATHING (WHERE EXISTED PREVIOUSLY), ON EXISTING WOOD FRAMING.
- NEW SOLID SURFACE OPEN WALL SHELVES. PROVIDE WOOD BLOCKING IN WALL AS REQ'D.
- NEW EPOXY FLOOR WITH CONTINUOUS 6" BASE.
- PROVIDE NEW WALL MOUNTED AIR DIFFUSERS (NOT SHOWN).
- NEW GFCI OUTLET WITH STAINLESS PLATE COVER.
- NEW LIGHT SWITCH WITH STAINLESS PLATE COVER.
- REINSTALL PREVIOUSLY RESERVED TOILET.
- NEW LAVATORY FAUCET PER PLUMBING.
- NEW SHOWER FAUCET PER PLUMBING.
- NEW TUB FAUCET PER PLUMBING.
- NEW TRENCH DRAIN PER PLUMBING.
- REINSTALL PREVIOUSLY RESERVED TRENCH GRATE.

**REFL. CEILING PLAN KEY NOTES:**

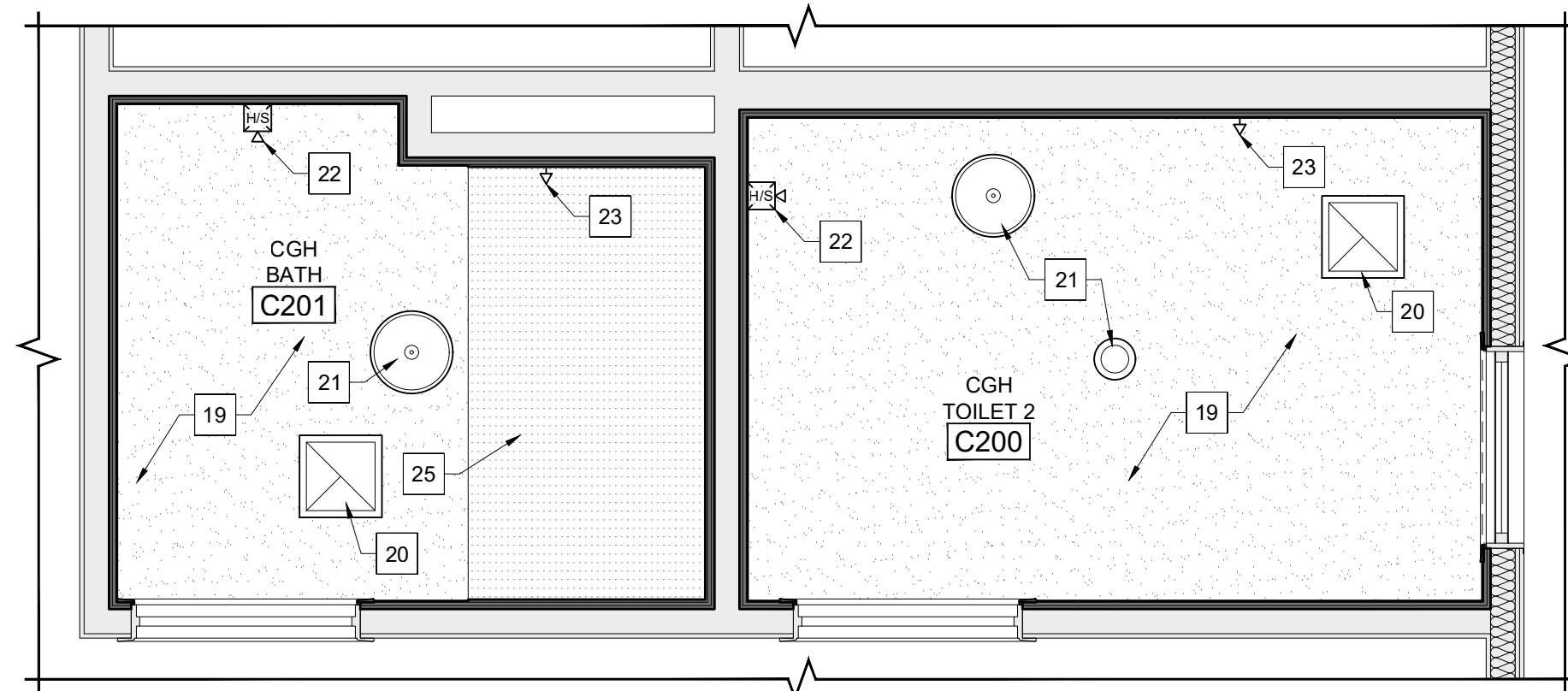
- REPAIR EXISTING GYP BD CEILING AS REQ'D TO LEVEL 5 FINISH AND PROVIDE NEW EPOXY PAINT PER FINISH SCHEDULE.
- NEW EXHAUST FAN PER MECHANICAL.
- NEW LIGHTING FIXTURES IN PREVIOUS LOCATIONS PER ELECTRICAL.
- REINSTALL PREVIOUSLY RESERVED FIRE NOTIFICATION DEVICES.
- REINSTALL PREVIOUSLY RESERVED SIDEWALL FIRE SPRINKLER HEADS.
- PROTECT EXISTING CEILING FIRE SPRINKLER HEADS AS REQ'D.
- NEW SOLID SURFACE SURROUND PANELS AND TRIM ON CEILING TO EDGE OF WALL SURROUND PANELS. CEILING PANEL TO BE INSTALLED PRIOR TO WALL PANELS FOR ADDL SUPPORT AT PERIMETER.

**GENERAL NEW WORK NOTES:**

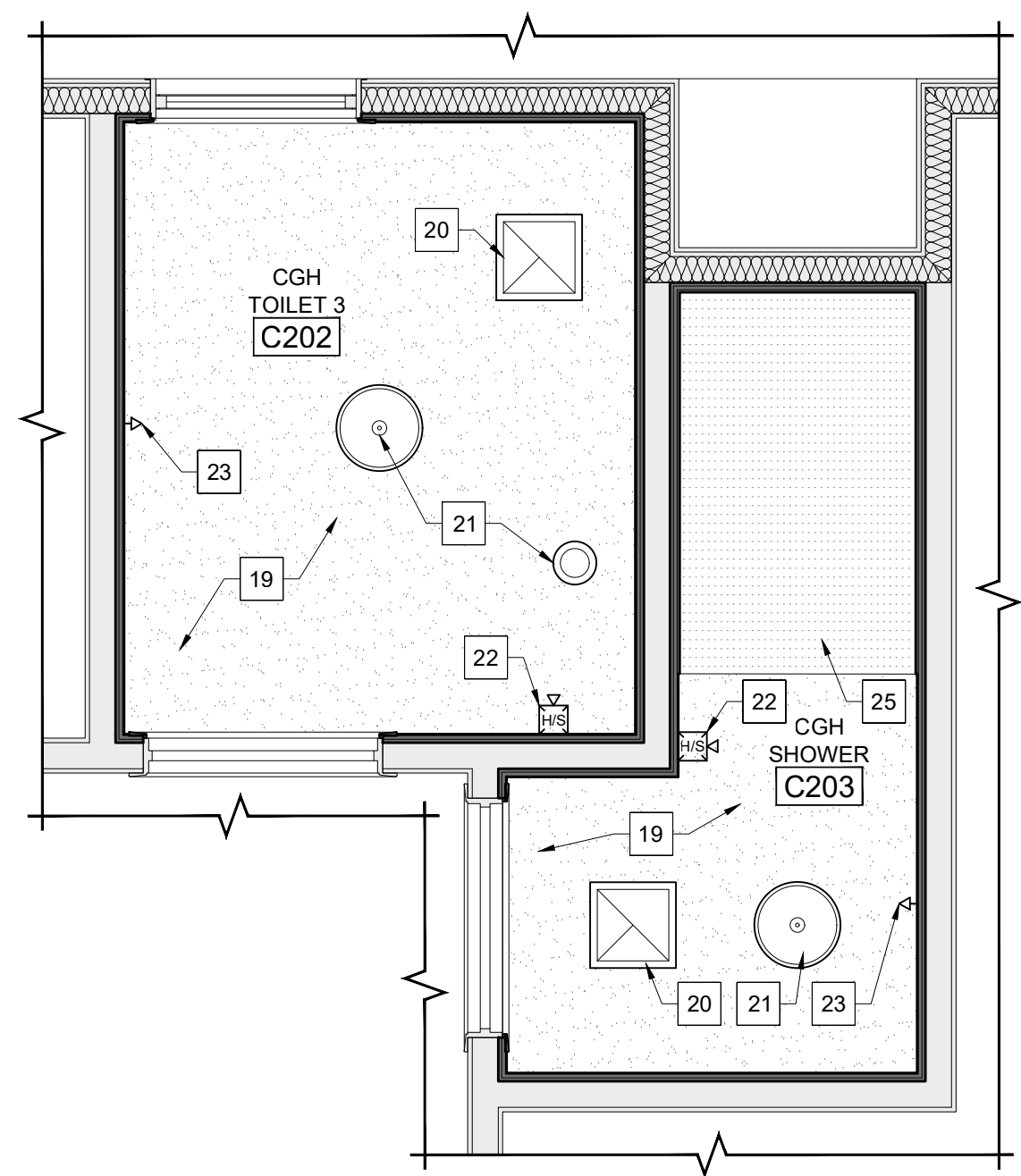
- ONLY PARTITIONS THAT PREVIOUSLY HAD PLYWOOD SHEATHING BEHIND THE GYPSUM BOARD WILL RECEIVE NEW PLYWOOD SHEATHING. RE: AD-101 & AD-102



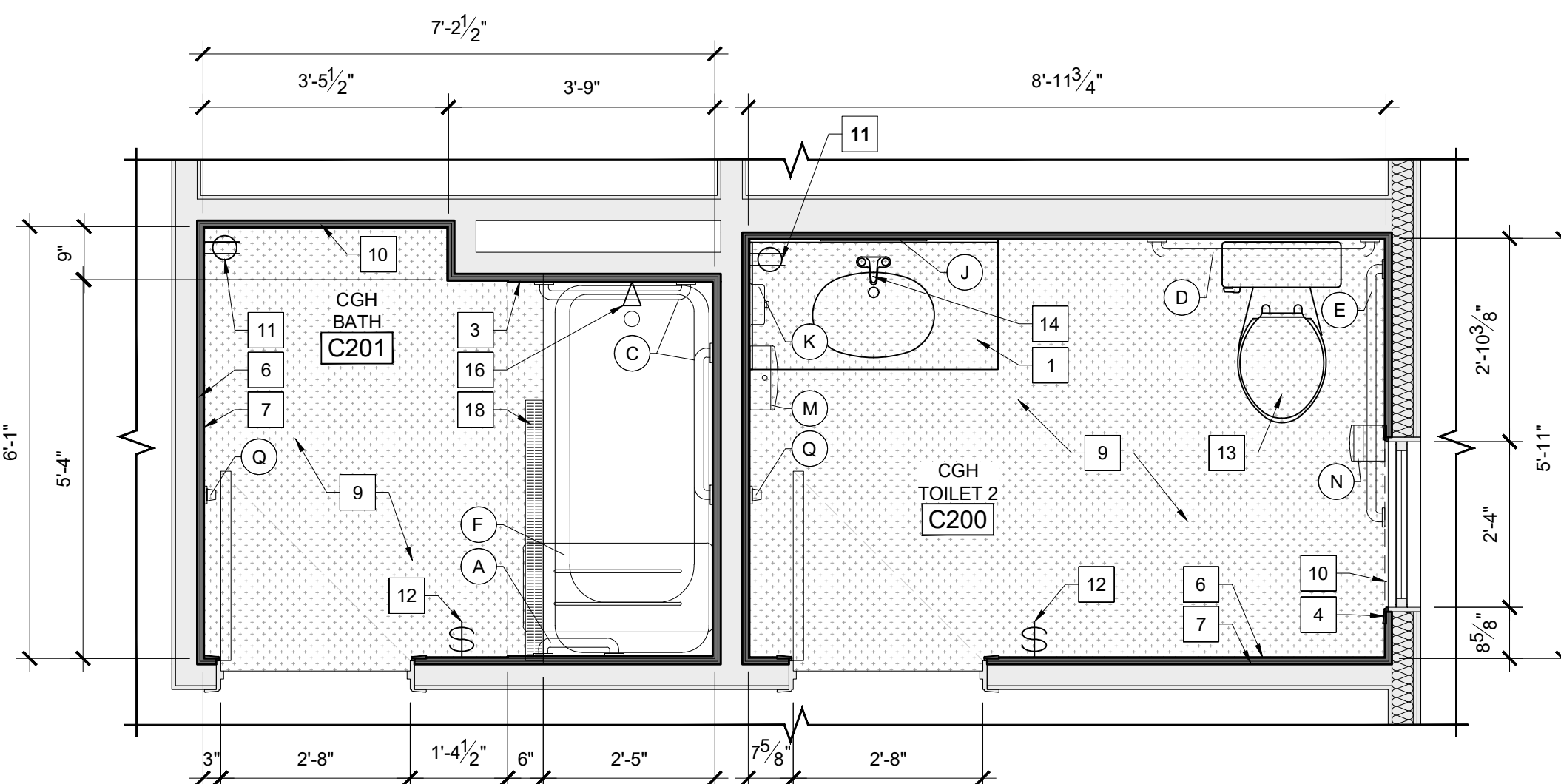
**2 CGH, 1ST FL, ENLD REFL CLNG PLAN**  
SCALE: 1/2" = 1'-0"



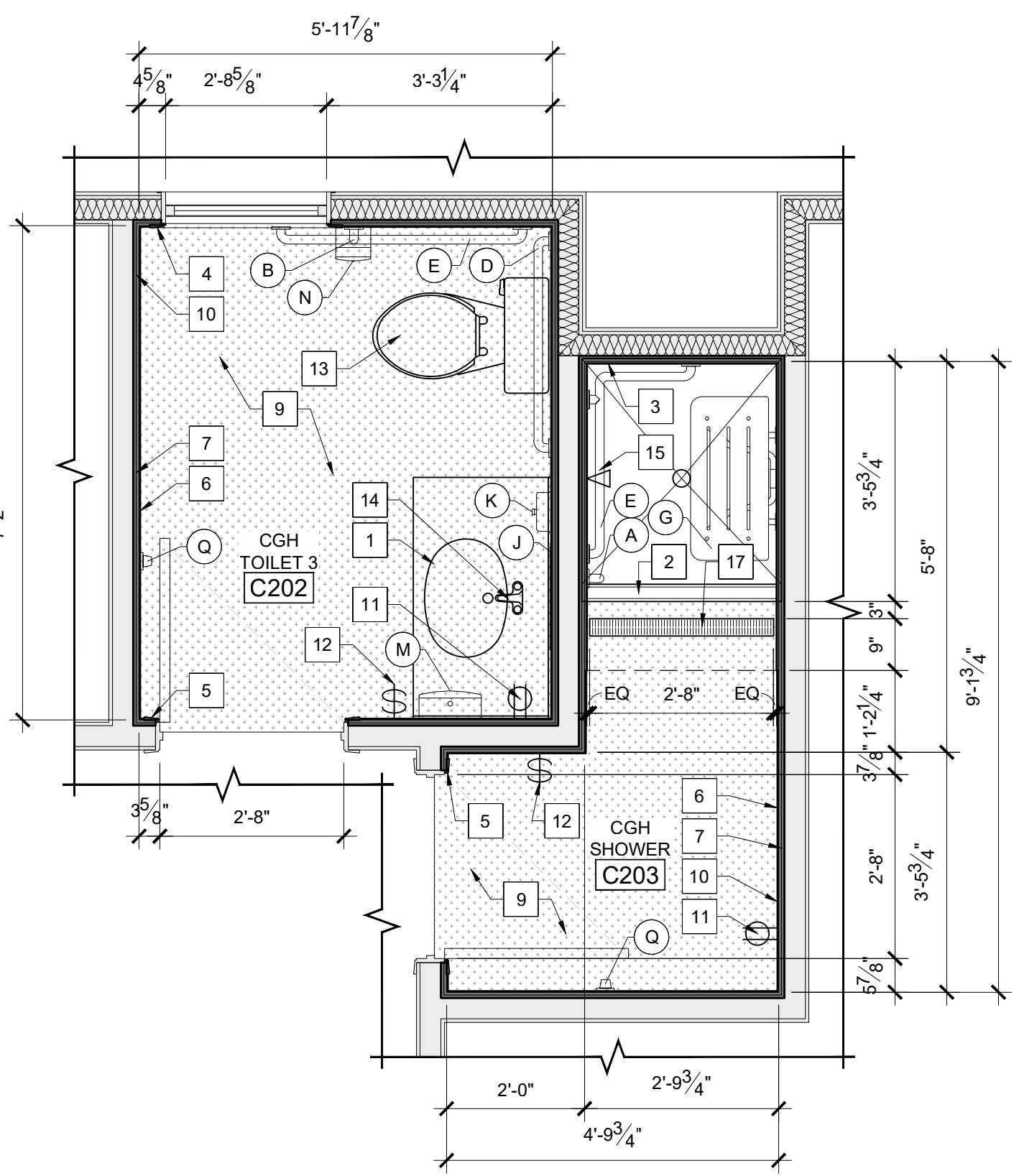
**4 CGH, 2ND FL, AREA 1, ENLD REFL CLNG PLAN**  
SCALE: 1/2" = 1'-0"



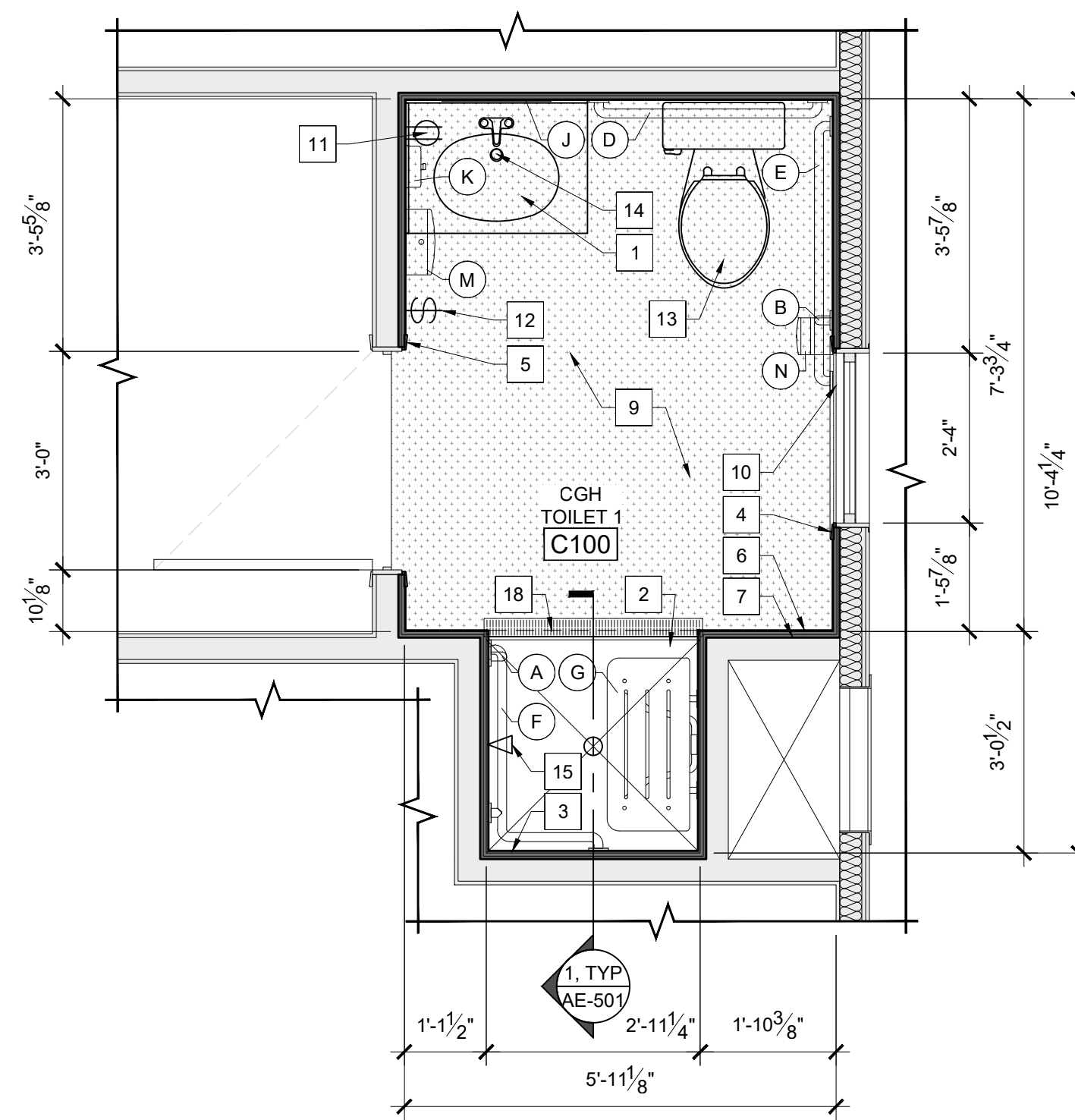
**6 CGH, 2ND FL, AREA 2, ENLD RCP**  
SCALE: 1/2" = 1'-0"



**3 CGH, 2ND FL, AREA 1, ENLD FLOOR PLAN**  
SCALE: 1/2" = 1'-0"



**CGH, 2ND FL, AREA 2, ENLD FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

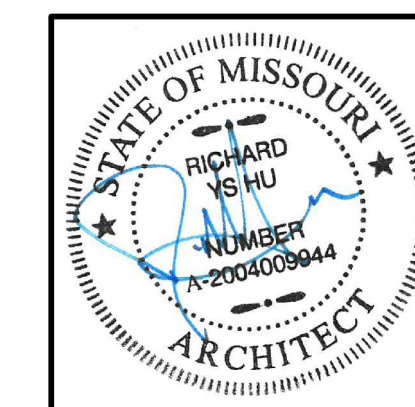


**1 CGH, 1ST FL, ENLD FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

NOTE: ADA 604.3.2 OVERLAP, EXCEPTION. LAV MUST BE 18" MIN FROM CL OF TOILET.

NOTE: ADA 604.3.2 OVERLAP, EXCEPTION. LAV MUST BE 18" MIN FROM CL OF TOILET.





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CAD DWG FILE: AE-102.DWG  
DRAWN BY: MPL  
CHECKED BY: CLB  
DESIGNED BY: MPL

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TOILET PLANS AND  
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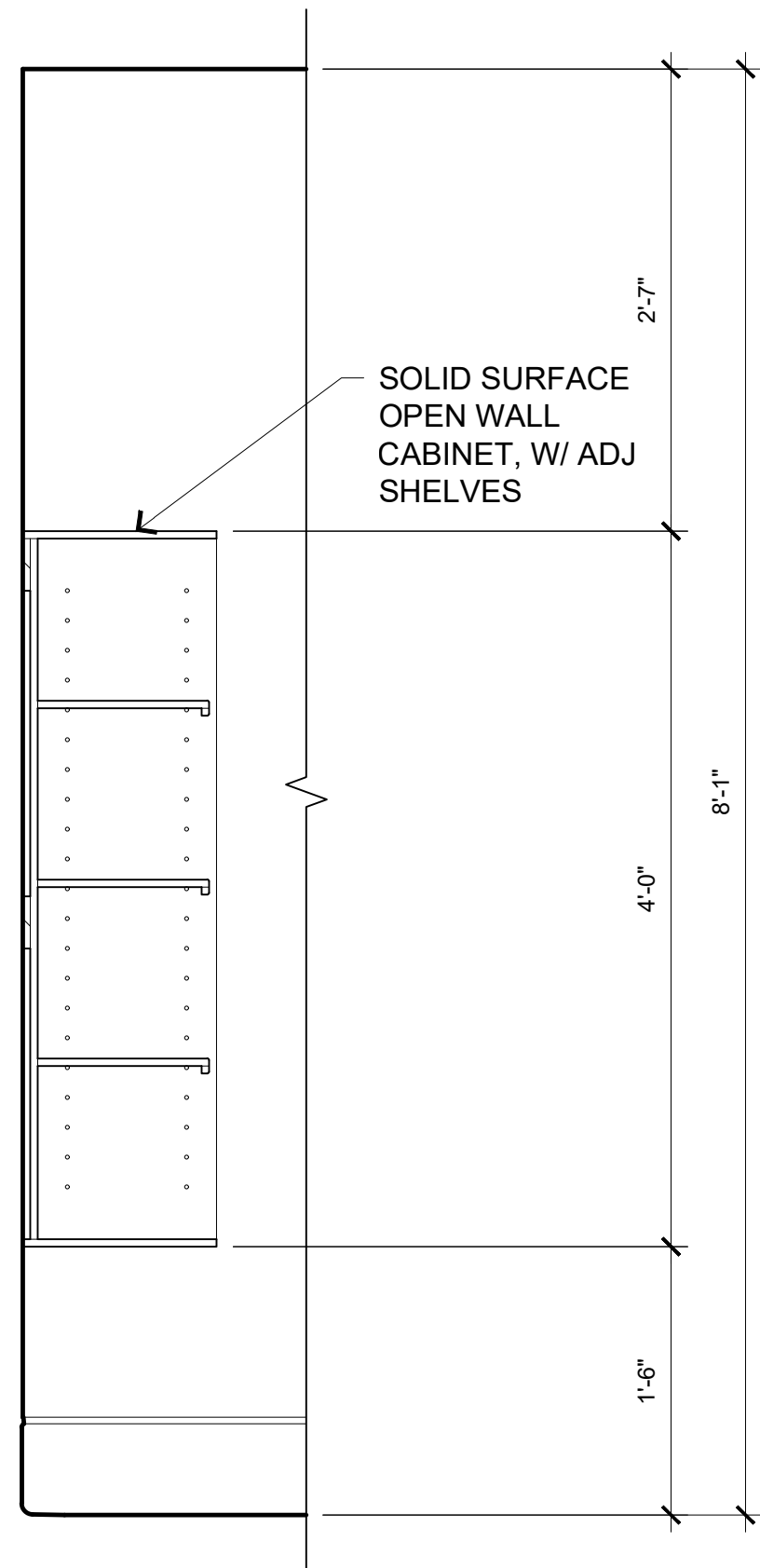
**AE-102**

7 OF 9 SHEETS  
09/27/2024

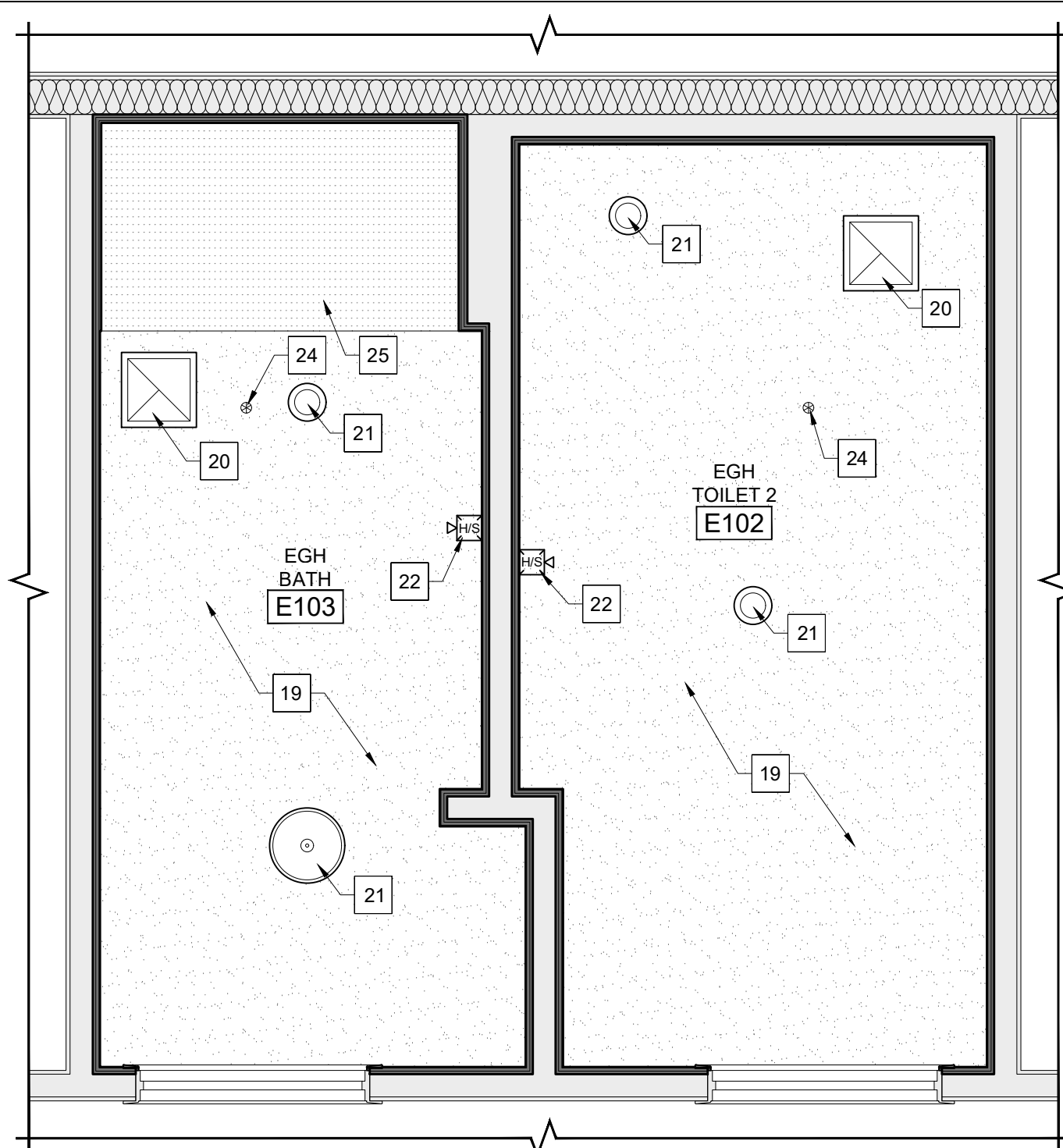
TOILET ACCESSORY SCHEDULE				
MARK	DESCRIPTION	BASIS OF DESIGN		COMMENTS
		MANUFACTURER	MODEL	
A	12" GRAB BAR	BOBRICK	B-6806x12	1, 2
B	18" GRAB BAR	BOBRICK	B-6806x18	1, 2
C	24" GRAB BAR	BOBRICK	B-6806x24	1, 2
D	36" GRAB BAR	BOBRICK	B-6806x36	1, 2
E	42" GRAB BAR	BOBRICK	B-6806x42	1, 2
F	2-WALL GRAB BAR	BOBRICK	B-6861	1, 2
G	WALL MTD SHOWER SEAT	BRADLEY	9593	1
H	WALL MTD BATH SEAT	ASI	8358	1

TOILET ACCESSORY SCHEDULE				
MARK	DESCRIPTION	BASIS OF DESIGN		COMMENTS
		MANUFACTURER	MODEL	
J	LAVATORY MIRROR	BOBRICK	B-290 1836	1
K	SOAP DISPENSER	BOBRICK	B-4112	1
L	NOT USED	-	-	-
M	FOLDED PAPER TOWEL DISPENSER	BOBRICK	B-4262	1
N	TOILET PAPER DISPENSER	BOBRICK	B-4288	1
O	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	1
P	NOT USED	-	-	-
Q	WALL MTD. DOOR STOP	ROCKWOOD	409 - US32D	OR EQUIVALENT

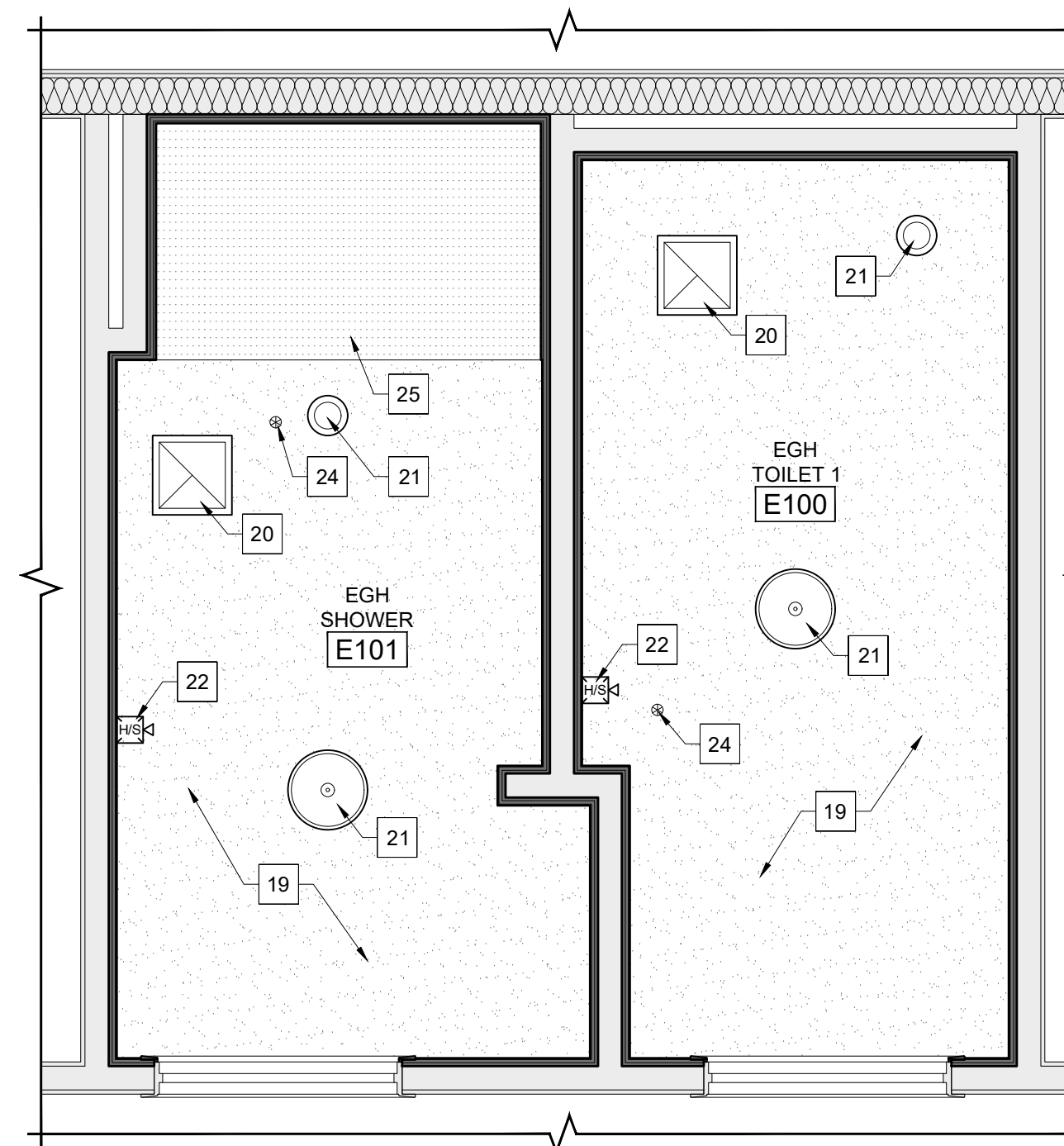
COMMENTS:  
1. BASIS OF DESIGN  
2. PROVIDE BLOCKING IN WALLS AT GRAB BARS AS REQ'D, RE: 6/G-003.



**6 WALL CABINET ELEVATION**  
SCALE: 1" = 1'-0"



**4 EGH, AREA 2, ENLD REFL CLNG PLAN**  
SCALE: 1/2" = 1'-0"



**2 EGH, AREA 1, ENLD REFL CLNG PLAN**  
SCALE: 1/2" = 1'-0"

**NEW WORK PLAN KEY NOTES:**

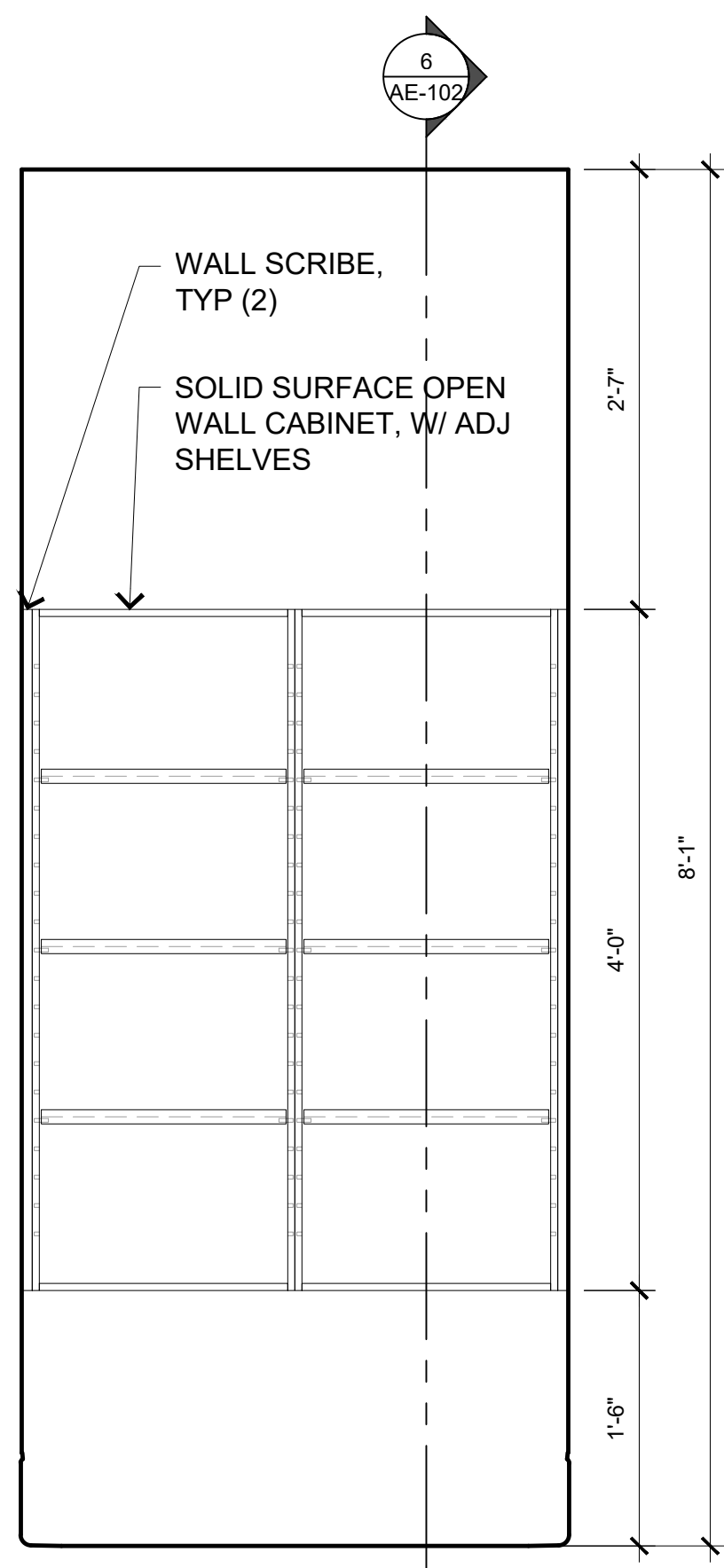
- SOLID SURFACE VANITY TOP W/ INTEGRAL SINK BOWL & BACKSIDESPLASHES ON ADA COMPLIANT "FLOATING" VANITY SUPPORT BRACKETS WITH COORDINATING SOLID SURFACE KNEE CLEARANCE PANEL.
- ADA COMPLIANT SOLID SURFACE SHOWER BASE W/ ENTRY RAMP WHERE SPACE ALLOWS. DRAIN AND TIE-IN PER PLUMBING. SHOWER THRESHOLDS PER ADA 608.7.
- SOLID SURFACE SURROUND PANELS AND TRIM. EXTEND UP TO 1'-0" BEYOND EDGE OF TUB/SHOWER PAN WHERE POSSIBLE.
- NEW PVC CASING TRIM AROUND EXISTING WINDOW, WITH EPOXY PAINT PER FINISH SCHEDULE.
- NEW PVC CASING TRIM AROUND EXISTING DOOR, WITH EPOXY PAINT PER FINISH SCHEDULE.
- NEW FRP WALL PANELS AND TRIM.
- 1-LAYER 5/8" WATER RESISTANT GYPSUM BOARD ON 1-LAYER 1/2" PLYWOOD SHEATHING (WHERE EXISTED PREVIOUSLY), ON EXISTING WOOD FRAMING.
- NEW SOLID SURFACE OPEN WALL SHELVES. PROVIDE WOOD BLOCKING IN WALL AS REQ'D.
- NEW EPOXY FLOOR WITH CONTINUOUS 6" BASE.
- PROVIDE NEW WALL MOUNTED AIR DIFFUSERS (NOT SHOWN).
- NEW GFCI OUTLET WITH STAINLESS PLATE COVER.
- NEW LIGHT SWITCH WITH STAINLESS PLATE COVER.
- REINSTALL PREVIOUSLY RESERVED TOILET.
- NEW LAVATORY FAUCET PER PLUMBING.
- NEW SHOWER FAUCET PER PLUMBING.
- NEW TUB FAUCET PER PLUMBING.
- NEW TRENCH DRAIN PER PLUMBING.
- REINSTALL PREVIOUSLY RESERVED TRENCH GRATE.

**REFL. CEILING PLAN KEY NOTES:**

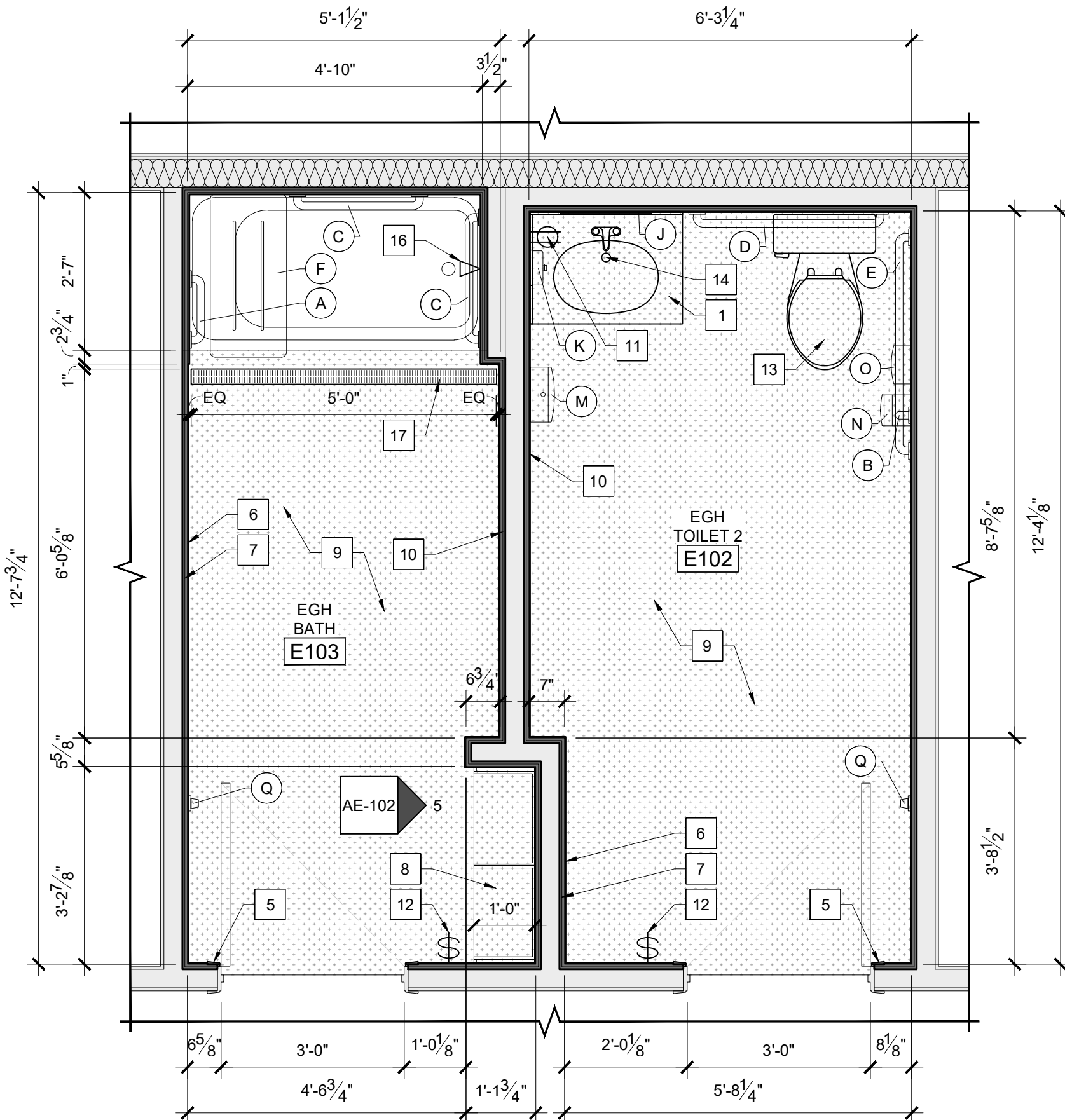
- REPAIR EXISTING GYP BD CEILING AS REQ'D TO LEVEL 5 FINISH AND PROVIDE NEW EPOXY PAINT PER FINISH SCHEDULE.
- NEW EXHAUST FAN PER MECHANICAL.
- NEW LIGHTING FIXTURES IN PREVIOUS LOCATIONS PER ELECTRICAL.
- REINSTALL PREVIOUSLY RESERVED FIRE NOTIFICATION DEVICES.
- REINSTALL PREVIOUSLY RESERVED SIDEWALL FIRE SPRINKLER HEADS.
- PROTECT EXISTING CEILING FIRE SPRINKLER HEADS AS REQ'D.
- NEW SOLID SURFACE SURROUND PANELS AND TRIM ON CEILING TO EDGE OF WALL SURROUND PANELS. CEILING PANEL TO BE INSTALLED PRIOR TO WALL PANELS FOR ADDL SUPPORT AT PERIMETER.

**GENERAL NEW WORK NOTES:**

- ONLY PARTITIONS THAT PREVIOUSLY HAD PLYWOOD SHEATHING BEHIND THE GYPSUM BOARD WILL RECEIVE NEW PLYWOOD SHEATHING. RE: AD-101 & AD-102

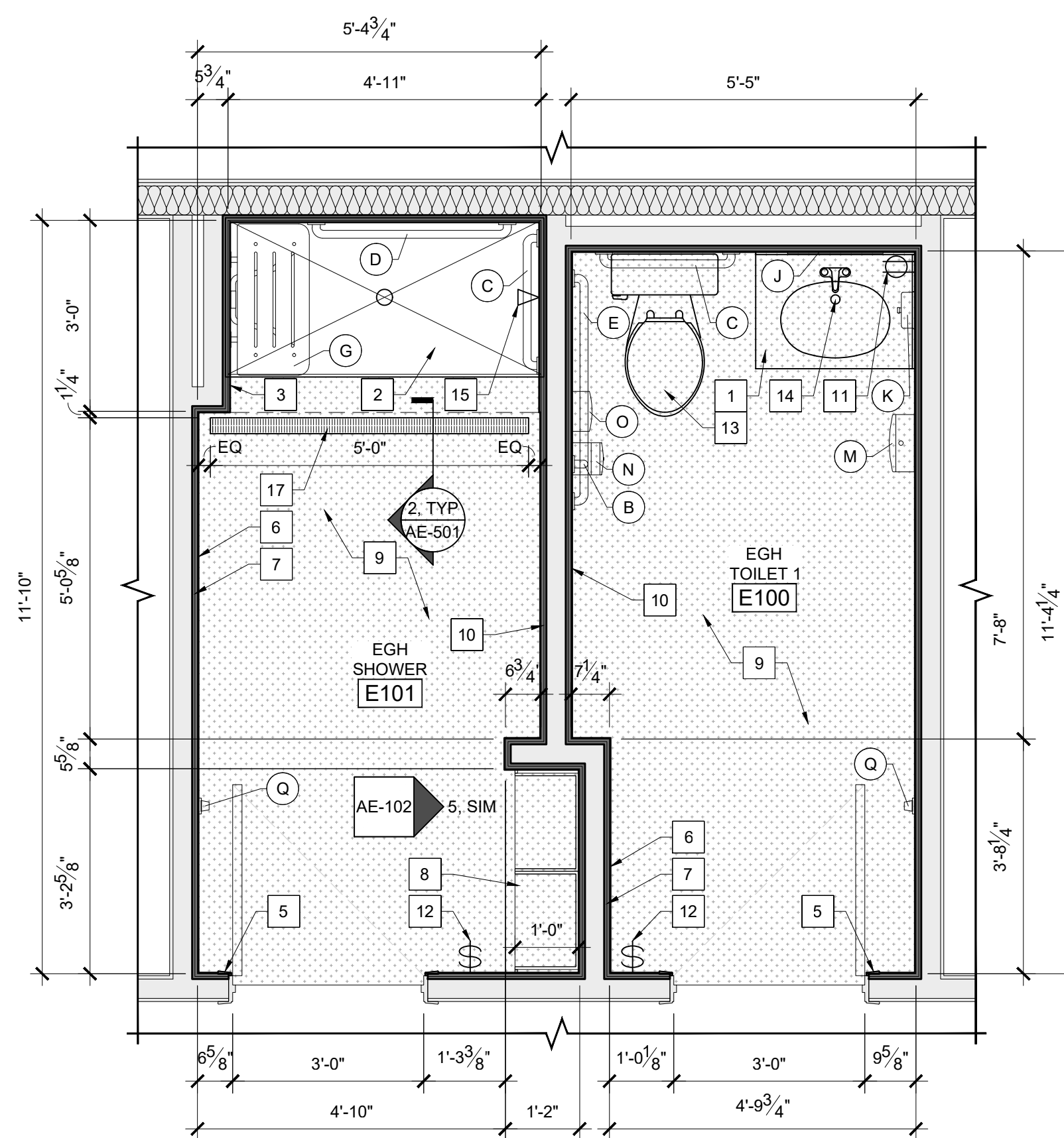


**5 WALL CABINET ELEVATION**  
SCALE: 1" = 1'-0"



**3 EGH, AREA 2, ENLD FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

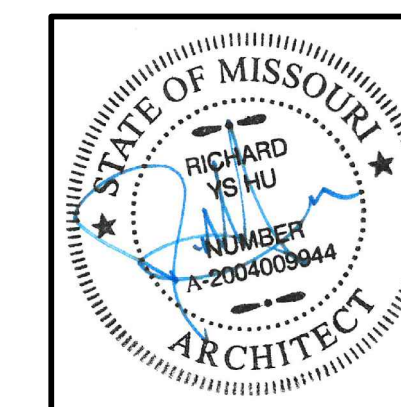
NOTE: ADA 604.3.2 OVERLAP, EXCEPTION. LAV MUST BE 18" MIN FROM CL OF TOILET.



**1 EGH, AREA 1, ENLD FLOOR PLAN**  
SCALE: 1/2" = 1'-0"

NOTE: ADA 604.3.2 OVERLAP, EXCEPTION. LAV MUST BE 18" MIN FROM CL OF TOILET.



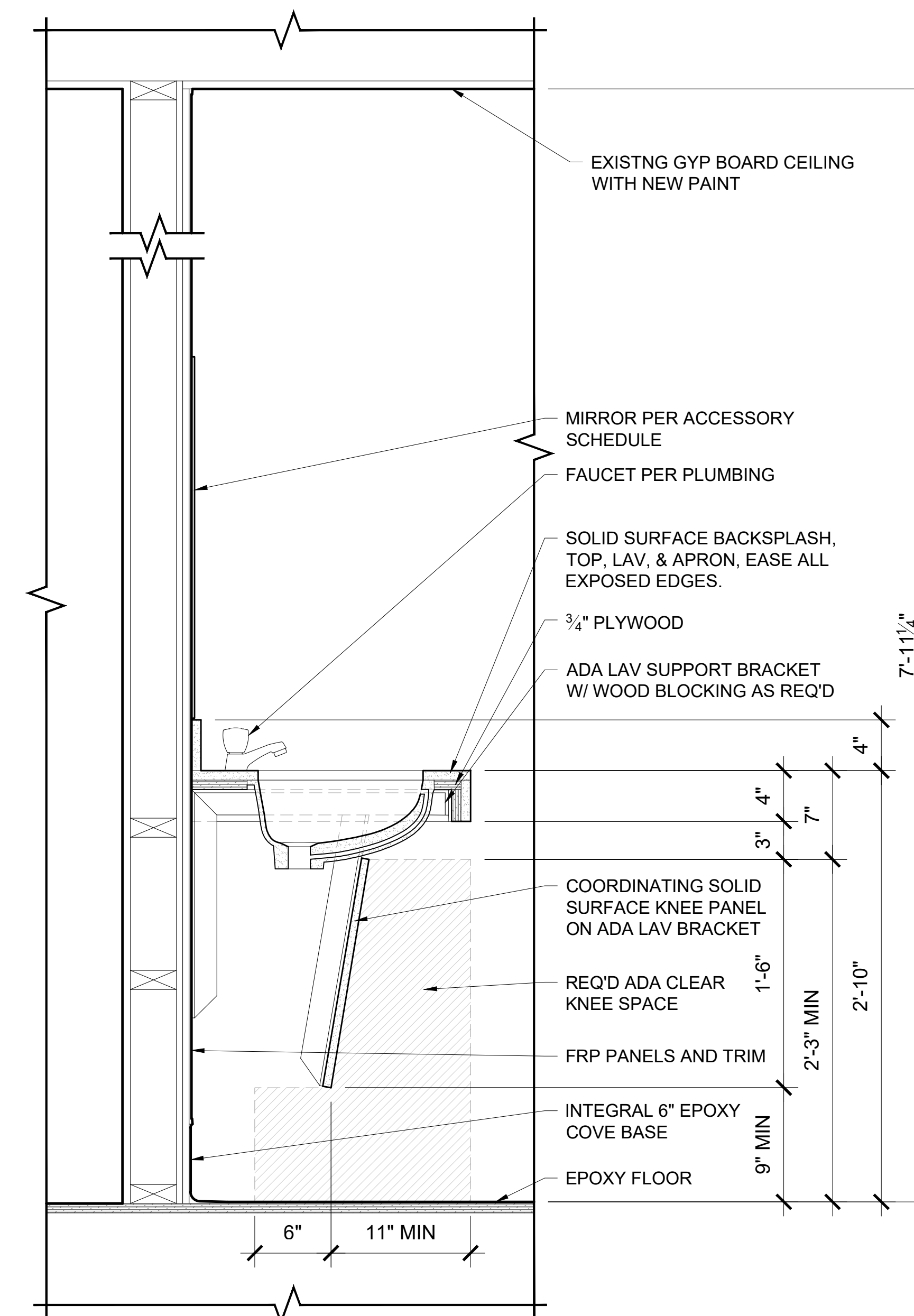


FINISH SCHEDULE						
RM. NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
C100	CGH TOILET 1	F1	B1	W1, W2	C1	
C200	CGH TOILET 2	F1	B1	W1	C1	
C201	CGH BATH	F1	B1	W1, W2	C1	
C202	CGH TOILET 3	F1	B1	W1	C1	
C203	CGH SHOWER	F1	B1	W1, W2	C1	
E100	EGH TOILET 1	F1	B1	W1	C1	
E101	EGH SHOWER	F1	B1	W1, W2	C1	
E102	EGH TOILET 2	F1	B1	W1	C1	
E103	EGH BATH	F1	B1	W1, W2	C1	

**MATERIAL NOTES:**

- F1 - NEW SEAMLESS EPOXY RESINOUS FLOORING
- B1 - NEW 6" INTEGRAL SEAMLESS EPOXY COVE BASE
- W1 - NEW FRP PANEL WITH COORDINATING PVC TRIM.
- W2 - NEW SOLID SURFACE WALL PANELS TO SURROUND TUB/SHOWER. CONTINUE SOLID SURFACE MATERIAL 12" BEYOND EDGE OF TUB/SHOWER WHERE POSSIBLE. REFER TO FLOOR PLANS FOR WALL AREA TO BE COVERED.
- C1 - EXISTING GYPSUM BOARD CEILING TO REMAIN. REMOVE EXISTING POPCORN/KNOCKDOWN FINISH AND REPAIR TO LEVEL 4 FINISH MINIMUM. APPLY EPOXY PAINT.

**6 FINISH SCHEDULE**  
SCALE: NTS



**3 TYPICAL LAV SECTION DETAIL**  
SCALE: 1-1/2" = 1'-0"

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

REMODEL SHOWER &  
RESTROOM

CROSSROADS & ESPERANZA  
GROUP HOMES

KANSAS CITY, MO

PROJECT # M2412-01  
SITE # 7381; 7387  
FACILITY # 6517381003;  
6517387002

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/27/2024

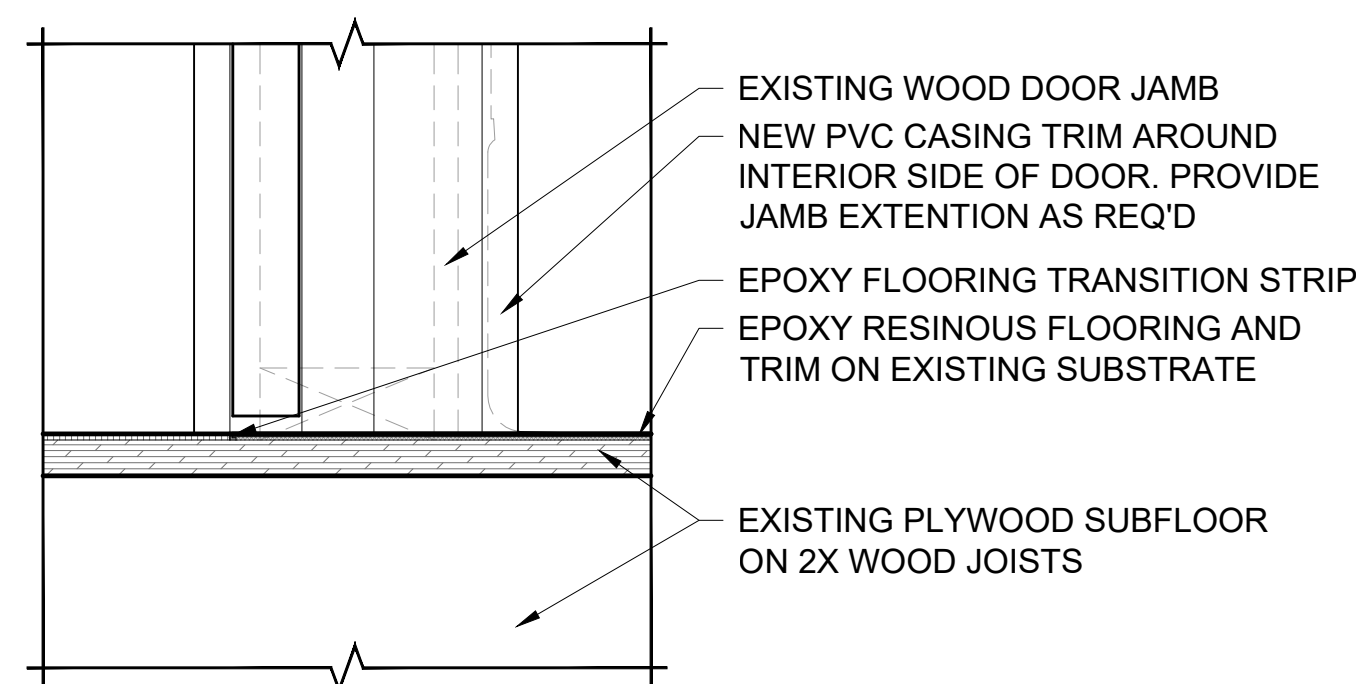
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DRAWN BY: MPL  
CHECKED BY: CLB  
DESIGNED BY: MPL

SHEET TITLE:  
**NEW WORK  
DETAILS AND  
FINISH SCHEDULE**

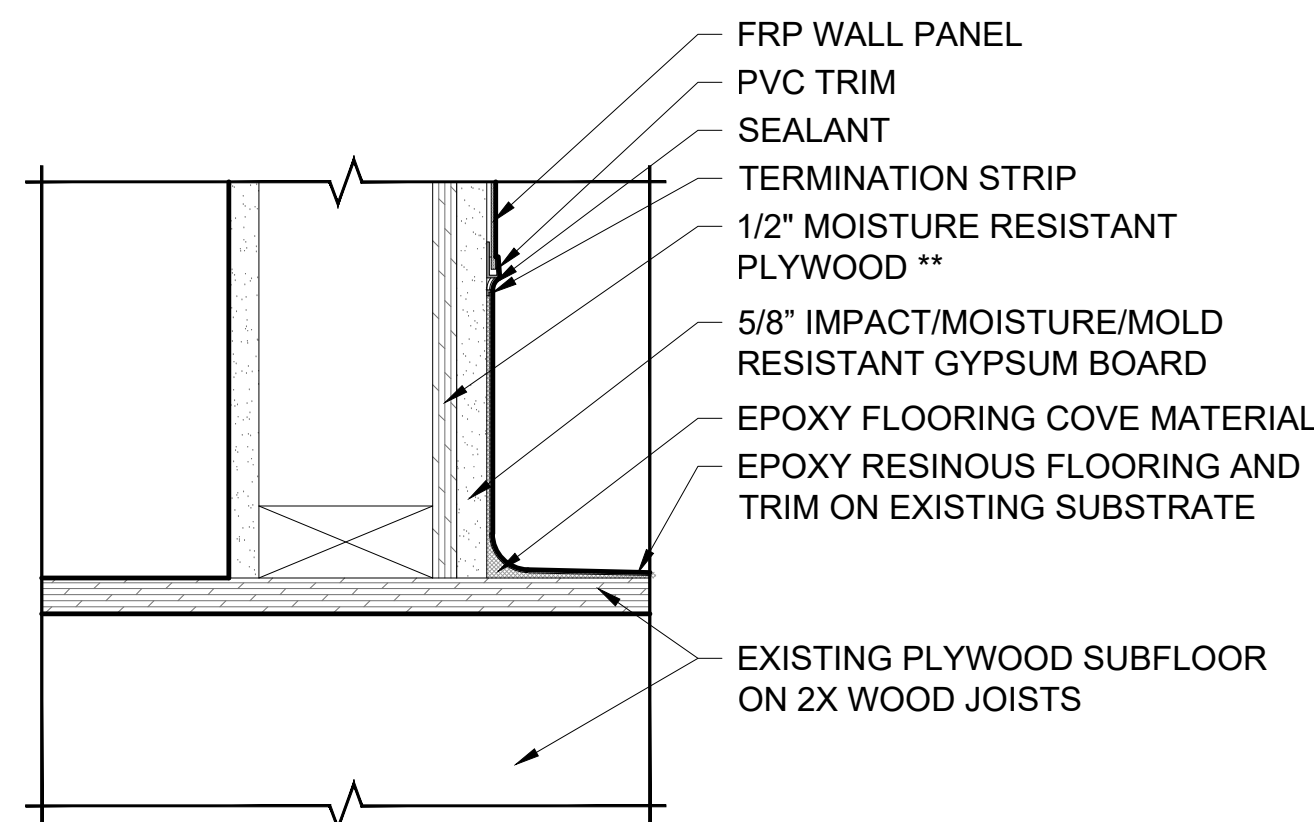
SHEET NUMBER:

**AE-501**

8 OF 9 SHEETS  
09/27/2024

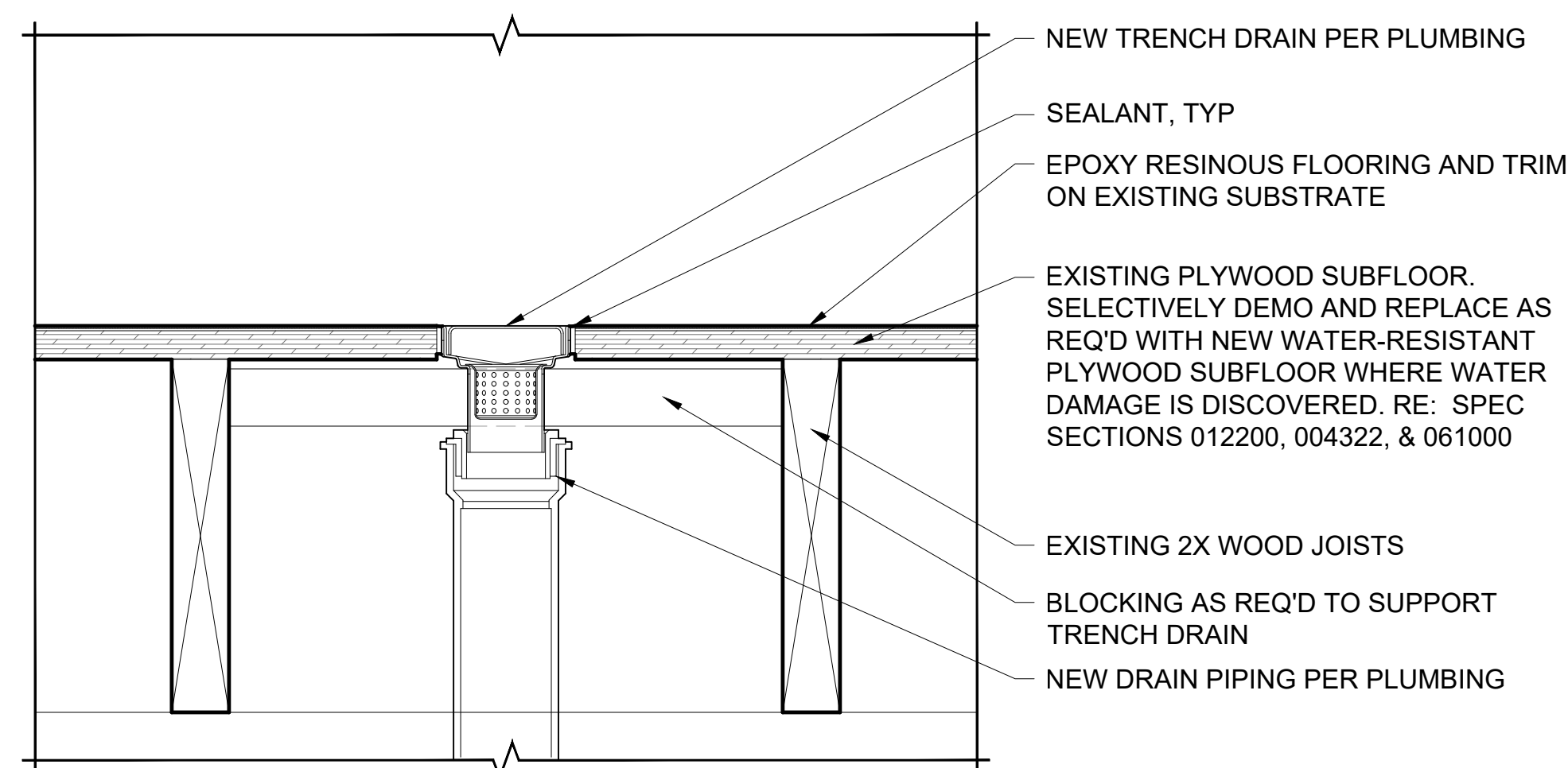


**5 TYPICAL EPOXY FLOOR TRANSITION @ DOOR**  
SCALE: 3" = 1'-0"



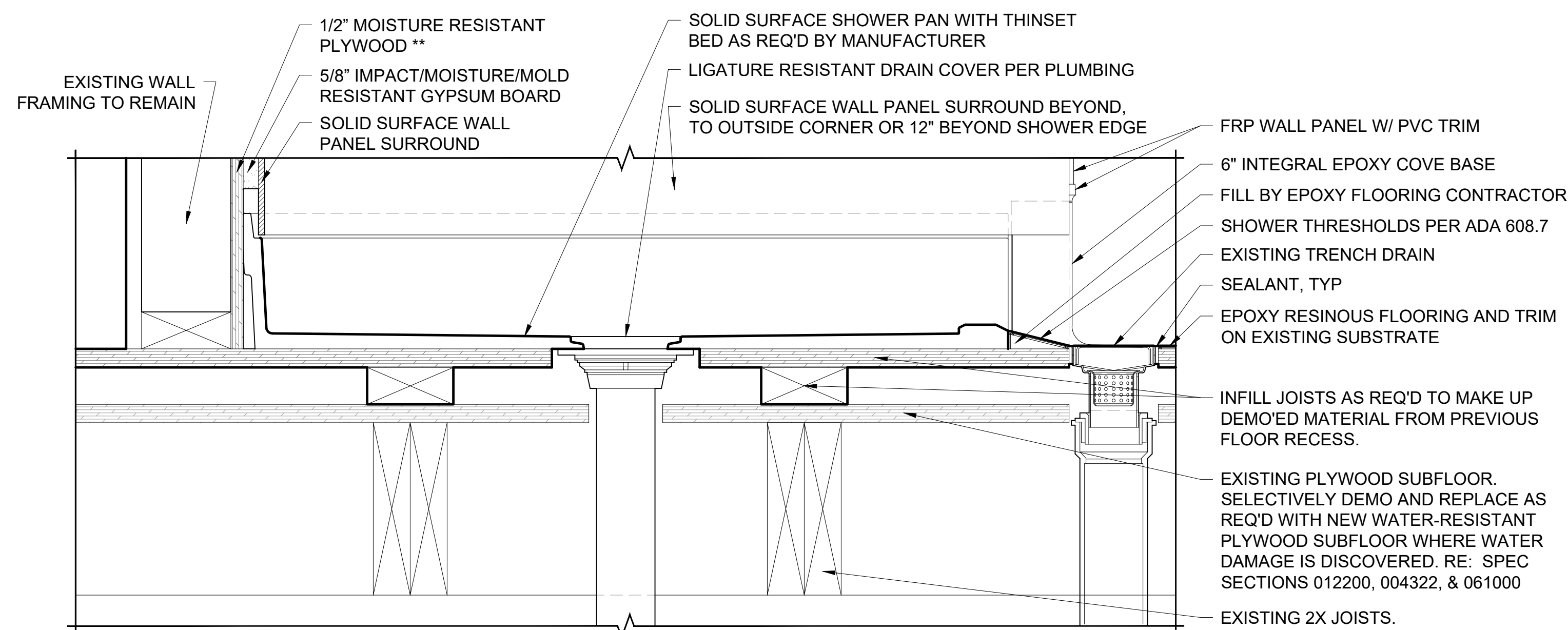
**4 TYPICAL COVE BASE DETAIL**  
SCALE: 3" = 1'-0"

\*\*NOTE: PROVIDE MR PLYWOOD SUBSTRATE BEHIND GYP WALL BOARD ONLY WHERE PREVIOUSLY INSTALL. FIELD VERIFY LOCATIONS DURING DEMOLITION.



**2 TYPICAL TRENCH DRAIN SECTION DETAIL @ CGH**  
SCALE: 3" = 1'-0"

NOTE: JOIST CONDITION SHOWN IS ESTIMATED AND TYPICAL AT CROSSROADS GROUP HOME. VERIFY IN FIELD. RE: 1/AE-501 FOR TYPICAL JOIST CONDITION @ EGH



**1 SHOWER PAN SECTION DETAIL @ EGH**  
SCALE: 3" = 1'-0"

NOTES:

- JOIST CONDITION SHOWN IS ESTIMATED AND TYPICAL AT EGH ONLY. VERIFY IN FIELD. ALL DETAILS ABOVE SUBFLOOR ARE COMMON WITH CGH. RE: 1/AE-501 FOR STANDARD JOIST FRAMING CONDITION @ CGH
- PROVIDE MR PLYWOOD SUBSTRATE BEHIND GYP WALL BOARD ONLY WHERE PREVIOUSLY INSTALL. FIELD VERIFY LOCATIONS DURING DEMOLITION.



GENERAL SPECIFICATIONS

- GENERAL PROVISIONS:
  - PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE MECHANICAL SYSTEMS OUTLINED.
  - OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATES OF COMPLIANCE OR APPROVAL AS REQUIRED BY THE AUTHORITIES.
  - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
  - ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK.
  - DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, PIPE, DUCT, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERINGS SHALL BE REMOVED BEFORE FINAL ACCEPTANCE.
  - PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
  - CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.

- OPERATION AND MAINTENANCE MANUALS:
  - DURING THE COURSE OF CONSTRUCTION, COLLECT AND COMPLETE OPERATING INSTRUCTIONS, WIRING DIAGRAMS, CATALOG CUTS, LUBRICATION AND PREVENTIVE MAINTENANCE INSTRUCTIONS, PARTS LISTS, ETC. FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
  - ALL LITERATURE AND INSTRUCTIONS SHIPPED WITH THE EQUIPMENT SHALL BE SAVED FOR INCLUSION IN THE OPERATION AND MAINTENANCE MANUALS.
  - ALL LITERATURE LISTED ABOVE AND ALL PAPERS LISTING WARRANTIES, ETC. SHALL BE BOUND IN A 3-RING BINDER AND LABELED WITH THE PROJECT NAME, ADDRESS, ARCHITECT, ENGINEER, CONTRACTORS, ETC.

- MANUFACTURERS:
  - MANUFACTURERS, MODEL NUMBERS, ETC. INDICATED OR SCHEDULED ON THE DRAWINGS SHALL BE INTERPRETED AS HAVING ESTABLISHED A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. ARTICLES, FIXTURES, ETC. OF EQUAL QUALITY BY MANUFACTURERS SHALL BE ACCEPTABLE, SUBJECT TO STRUCTURAL AND ELECTRICAL CONSTRAINTS OF THE PROJECT DESIGN, UNLESS NOTED OTHERWISE.

- MOTORS:
  - PROVIDE THERMAL OVERLOAD PROTECTION FOR EACH MOTOR PROVIDED BY THIS WORK.

MECHANICAL SPECIFICATIONS

- EXHAUST FANS:
  - CENTRIFUGAL CEILING EXHAUSTERS SHALL BE ELECTRICALLY POWERED CENTRIFUGAL TYPE FAN SUITABLE FOR MOUNTING IN THE CEILING WITH A PERFORATED OFF-WHITE METAL GRILLE WITH A THUMBSCREW ATTACHMENT FOR EASY ACCESS TO FAN HOUSING. UNIT SHALL CONSIST OF A GALVANIZED STEEL HOUSING LINED WITH ACOUSTICAL INSULATION AND SHALL INCLUDE AN INTEGRAL BACKDRAFT DAMPER ON FAN DISCHARGE. MOTOR SHALL BE A PERMANENT SPLIT-CAPACITOR TYPE MOTOR, PERMANENTLY LUBRICATED, WITH THERMAL OVERLOAD PROTECTION. PROVIDE DISCONNECT SWITCH OR OTHER MEANS OF DISCONNECT AT MOTOR IN FAN HOUSING.

PLUMBING SPECIFICATIONS:

- TESTING, BALANCING, AND CLEANING:
  - ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION.
  - SEWER AND VENT PIPING SHALL BE HYDROSTATICALLY TESTED WITH NO LESS THAN 10 FEET OF HEAD FOR A PERIOD OF NOT LESS THAN 15 MINUTES, PER THE LOCAL PLUMBING CODE, WITH NO LEAKS.
  - DOMESTIC WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF NOT LESS THAN 1-1/2 TIMES THE OPERATING PRESSURE, BUT NOT LESS THAN 60 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS, WITH NO LEAKS.
  - BEFORE DOMESTIC WATER PIPING IS PLACED IN SERVICE, ALL DOMESTIC WATER DISTRIBUTION SYSTEMS, INCLUDING THOSE FOR COLD WATER AND HOT WATER SYSTEMS, SHALL BE FLUSHED, STERILIZED AND CHLORINATED IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS. THE SYSTEMS SHALL BE THOROUGHLY FLUSHED OF ALL DIRT AND FOREIGN MATTER, THEN FILLED WITH WATER TREATED WITH 50 PPM OF CHLORINE. DURING THE FILLING PROCESS, VALVES AND FAUCETS SHALL BE OPENED SEVERAL TIMES TO ASSURE TREATMENT OF THE ENTIRE SYSTEM. THE TREATED WATER SHALL BE LEFT IN THE SYSTEM FOR 24 HOURS AFTER WHICH TIME THE SYSTEM SHALL BE FLUSHED. IF THE RESIDUAL CHLORINE IS NOT LESS THAN 10 PPM, THE FLUSHING SHALL BE REPEATED. AFTER STERILIZATION, SAMPLES OF WATER IN THE SYSTEM SHALL BE APPROVED BY THE BOARD OF HEALTH.

2. PIPING:

- SANITARY SEWER, AND VENTS (UNDERGROUND, INTERIOR TO BUILDING):
  - POLYVINYLCHLORIDE (PVC) DWV PIPE, SCHEDULE 40, SOLVENT JOINT (WHERE APPROVED BY LOCAL CODES).
  - SERVICE WEIGHT, BELL-AND-SPIGOT, COATED CAST IRON, ASTM A-74.
  - ACRYLONITRILE-BUTADIENE-STYRENE (ABS) SEWER PIPE, ASTM D 2751-83a SDR 23.5, SOLVENT-CEMENTED JOINTS.
  - "NO-HUB" CAST IRON, NEOPRENE GASKETS, STAINLESS STEEL CLAMPS.
- SANITARY SEWER, AND VENTS (ABOVEGROUND):
  - SERVICE WEIGHT, BELL-AND-SPIGOT, COATED CAST IRON, ASTM A-74.
  - "NO-HUB" CAST IRON, NEOPRENE GASKETS, STAINLESS STEEL CLAMPS.
  - POLYVINYLCHLORIDE (PVC) DWV PIPE, SCHEDULE 40, SOLVENT JOINT (WHERE APPROVED BY LOCAL CODES). (NOT FOR USE IN A RETURN AIR PLENUM)
- PIPE HANGERS AND SUPPORTS SHALL BE STANDARD PRODUCTS OF GRINNELL, FEE AND MASON, OR ELCEN. HANGER SPACING SHALL BE IN ACCORDANCE WITH MSS-SP-69.
- SLEEVES:
  - PROVIDE, SET, AND PROPERLY LOCATE PIPE SLEEVES AS REQUIRED FOR THIS WORK. ALL SLEEVES SHALL BE OF SUFFICIENT SIZE TO PERMIT PIPE MOVEMENT DUE TO EXPANSION AND CONTRACTION AND TO ACCOMMODATE PIPE INSULATION.
  - INTERIOR PARTITIONS: 16 GAGE GALVANIZED STEEL, PACK BETWEEN PIPE AND SLEEVE WITH FIRE SAFING AND CAULK AT EACH END WITH FIRE RESISTANT SEALANT.
  - ROOF: PROSET OR EQUAL, MANUFACTURED PVC SCHEDULE 40 PIPE SLEEVE WITH WEATHERPROOF SEAL. COORDINATE WITH ROOFING CONTRACTOR AND FLASH AS REQUIRED TO MAINTAIN ROOF WARRANTY.
  - PLUMBING VENTS: FLASH ROOF VENT INTO ROOFING SYSTEM AS REQUIRED BY THE ROOFING CONTRACTOR TO MAINTAIN EXISTING ROOF WARRANTY. ALL PLUMBING VENT TERMINALS SHALL TERMINATE A MINIMUM OF 12" ABOVE ROOF OR EQUAL TO HEIGHT OF PARAPET, WHICHEVER IS GREATER.
- PROVIDE CHROME PLATED ESCUTCHEONS ON ALL PIPE ENTERING FINISHED AREAS.

3. PLUMBING:

- PROVIDE AN APPROVED WATER HAMMER ARRESTOR FOR EACH PLUMBING FIXTURE SUPPLY AS REQUIRED BY FIXTURE MANUFACTURER.
- ALL EXPOSED PIPE SHALL BE CHROME PLATED BRASS PIPE, NO FERROUS PIPE.
- PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION AND AT 100 FOOT INTERVALS IN STRAIGHT RUNS.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND TRAPS.
- CLEANOUTS:
  - UNFINISHED FLOOR: JR SMITH #4020, OR EQUAL.
  - WALL: JR SMITH #4472, OR EQUAL, 24" ABOVE THE FLOOR.
  - GRADE: JR SMITH #4256, OR EQUAL, WITH HEAVY DUTY CAST IRON BODY AND COVER.
- PROVIDE DIELECTRIC UNIONS WITH APPROPRIATE END CONNECTIONS TO MATCH THE PIPE SYSTEM IN WHICH INSTALLED (SCREWED, SOLDERED, OR FLANGED). PROVIDE DIELECTRIC UNIONS ON ALL PIPING CONNECTIONS TO HOT WATER HEATERS AND EXPANSION TANKS.
- ALL SEWER PIPING LOCATED INSIDE THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES:
  - INSTALL 2-1/2" AND SMALLER PIPE AT 1/4" PER FOOT FALL.
  - INSTALL 3" AND LARGER PIPE AT 1/8" PER FOOT FALL.
- ALL SEWER PIPING LOCATED EXTERIOR TO THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES:
  - INSTALL 4" AND SMALLER PIPE AT A MINIMUM OF 2% SLOPE.
  - INSTALL 6" AND LARGER PIPE AT A MINIMUM OF 1% SLOPE.

ELECTRICAL SPECIFICATIONS

- CONDUCTORS:
  - WIRES SHALL BE CONTINUOUS WITHOUT SPLICES OR TAPS IN CONDUIT RUNS. ALL SPLICES SHALL BE MADE IN JUNCTION, PULL, OR OUTLET BOXES. ALL WIRE SHALL BE INSTALLED IN CONDUIT, WIREWAYS, OR OTHER PROTECTIVE COVER SANCTIONED BY CODES.
  - CONDUCTORS FOR LIGHTING AND POWER SHALL BE COPPER, MINIMUM NO. 12 A.W.G., 600 VOLT.
  - NO. 10 GAUGE AND SMALLER CONDUCTORS SHALL BE TYPE THWN (WET LOCATIONS) OR THHN (DRY LOCATIONS). SOLID CONDUCTOR, UNLESS OTHERWISE INDICATED.
  - NO. 8 GAUGE AND LARGER CONDUCTORS SHALL BE TYPE THWN (WET LOCATIONS) OR THHN (DRY LOCATIONS). STRANDED, UNLESS OTHERWISE INDICATED.
  - SERVICE ENTRANCE AND PANEL FEEDER CONDUCTORS, NO. 3 GAUGE AND LARGER SHALL BE TYPE XHHW-2 (WET LOCATIONS) OR THHN (DRY LOCATIONS), STRANDED COPPER, UNLESS OTHERWISE INDICATED.

2. WIRING DEVICES (COMMERCIAL):

- WALL SWITCHES SHALL BE SPECIFICATION GRADE, QUIET TYPE, FLUSH TOGGLE SWITCH, RATED FOR 20 AMPS, WITH STAINLESS STEEL COVER PLATES.
  - SINGLE POLE: HUBBELL #CS1221-X, OR EQUAL.
  - GROUND FAULT INTERRUPTER RECEPTACLES (GFI) SHALL BE HUBBELL #GF20-XL. DEVICE COVER PLATES SHALL BE STAINLESS STEEL.
- VERIFY DEVICES AND DEVICE COVERPLATES COLOR WITH ARCHITECT.

3. BOXES:

- HOT DIPPED GALVANIZED STEEL BOXES. PROVIDE TYPE TO SUIT CONDITIONS FOR INSTALLATION.
- ALL BOXES SHALL BE FLUSH MOUNTED, UNLESS INDICATED OTHERWISE.

4. LIGHT FIXTURES:

- WHERE LIGHT FIXTURES ARE MOUNTED IN A LAV-IN CEILING, PROVIDE A MINIMUM OF 2 SUPPORT WIRES ATTACHED DIRECTLY BETWEEN EACH LIGHT FIXTURE AND THE BUILDING STRUCTURE. SUPPORT WIRES SHALL BE A MINIMUM OF 12 GAUGE GALVANIZED STEEL WIRE, SOFT ANNEALED.
- FIXTURES ARE REQUIRED AT ALL LIGHTING OUTLETS SHOWN ON THE DRAWINGS. APPROVED LIGHTING FIXTURE WIRE IS REQUIRED IN ALL LIGHTING RACKWAYS. WEATHERPROOF WIRING IS REQUIRED FOR EXTERIOR FIXTURES. ALL PARTS OF FIXTURES AND WIRING SHALL BE IN ACCORDANCE WITH NEC REQUIREMENTS.
- ALL FIXTURES SHALL CARRY UL AND ETL LABELS. ALL FLUORESCENT FIXTURE BALLASTS SHALL BE HIGH FREQUENCY ELECTRONIC BALLASTS WITH A "TOTAL HARMONIC DISTORTION" OF LESS THAN 20%, REGARDLESS OF THE NUMBER OF LAMPS CONNECTED TO EACH BALLAST AND SHALL HAVE CBI LABEL. ALL FLUORESCENT FIXTURES INSTALLED SHALL INCORPORATE BALLAST PROTECTION. ALL FLUORESCENT BALLASTS SHALL HAVE AN AUDIBLE NOISE RATING OF "CLASS A" OR BETTER. ALL FLUORESCENT BALLASTS SHALL HAVE A STANDARD BALLAST FACTOR UNLESS SPECIFIED OTHERWISE.
- ALL FLUORESCENT LAMPS SHALL BE 3500 K COLOR TEMPERATURE WITH A MINIMUM COLOR RENDERING INDEX (CRI) OF 82 OR AS INDICATED ON LIGHT FIXTURE SCHEDULE.

5. SLEEVES:

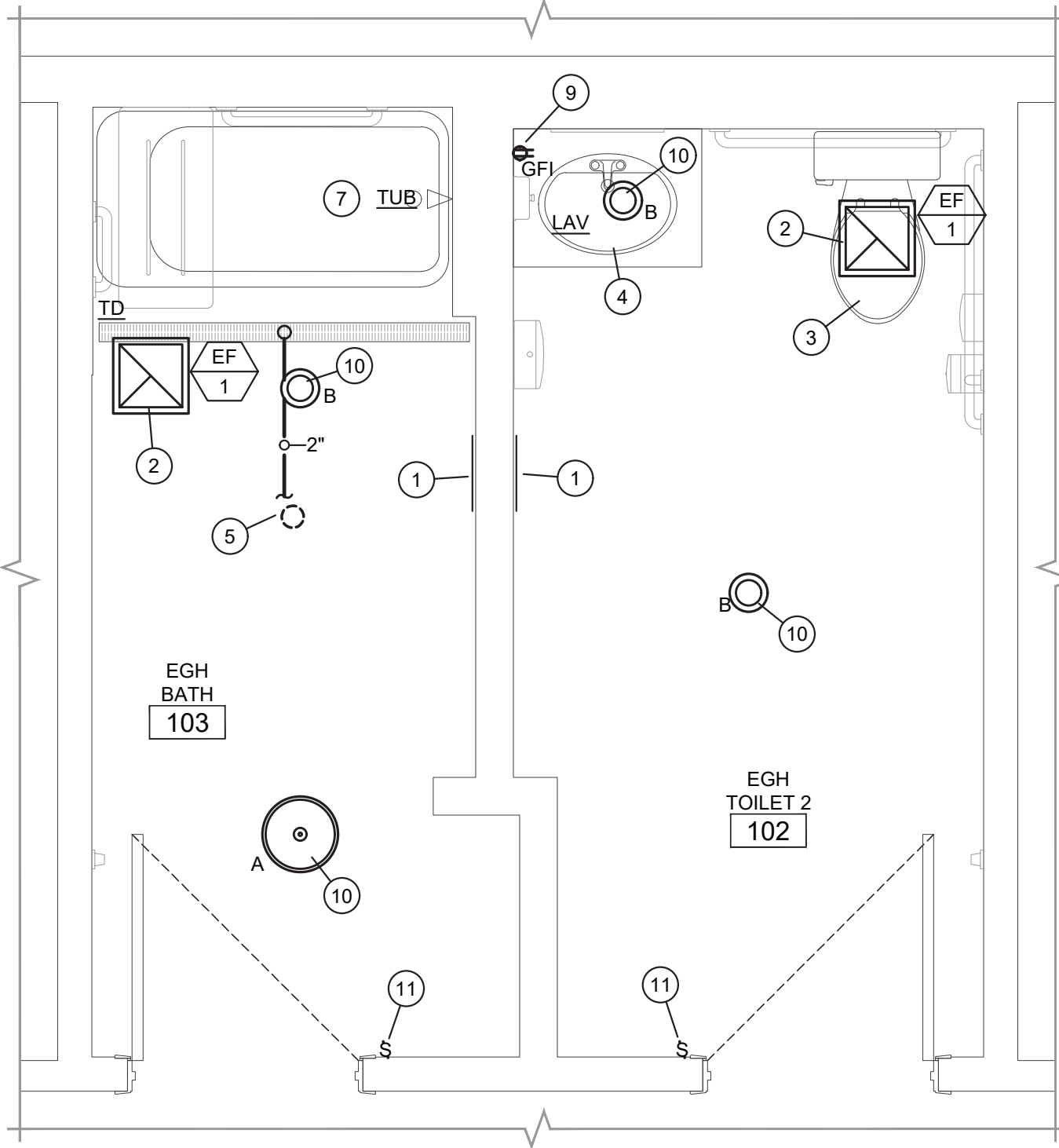
- PROVIDE, SET, AND PROPERLY LOCATE PIPE SLEEVES AS REQUIRED FOR THIS WORK.
- INTERIOR PARTITIONS: 16 GAGE GALVANIZED STEEL, PACK BETWEEN CONDUIT AND SLEEVE WITH FIRE SAFING AND CAULK AT EACH END WITH FIRE RESISTANT SEALANT.
- ROOF: PROSET OR EQUAL, MANUFACTURED PVC SCHEDULE 40 PIPE SLEEVE WITH WEATHERPROOF SEAL. COORDINATE WITH ROOFING CONTRACTOR AND FLASH AS REQUIRED TO MAINTAIN ROOF WARRANTY.

6. GROUNDING:

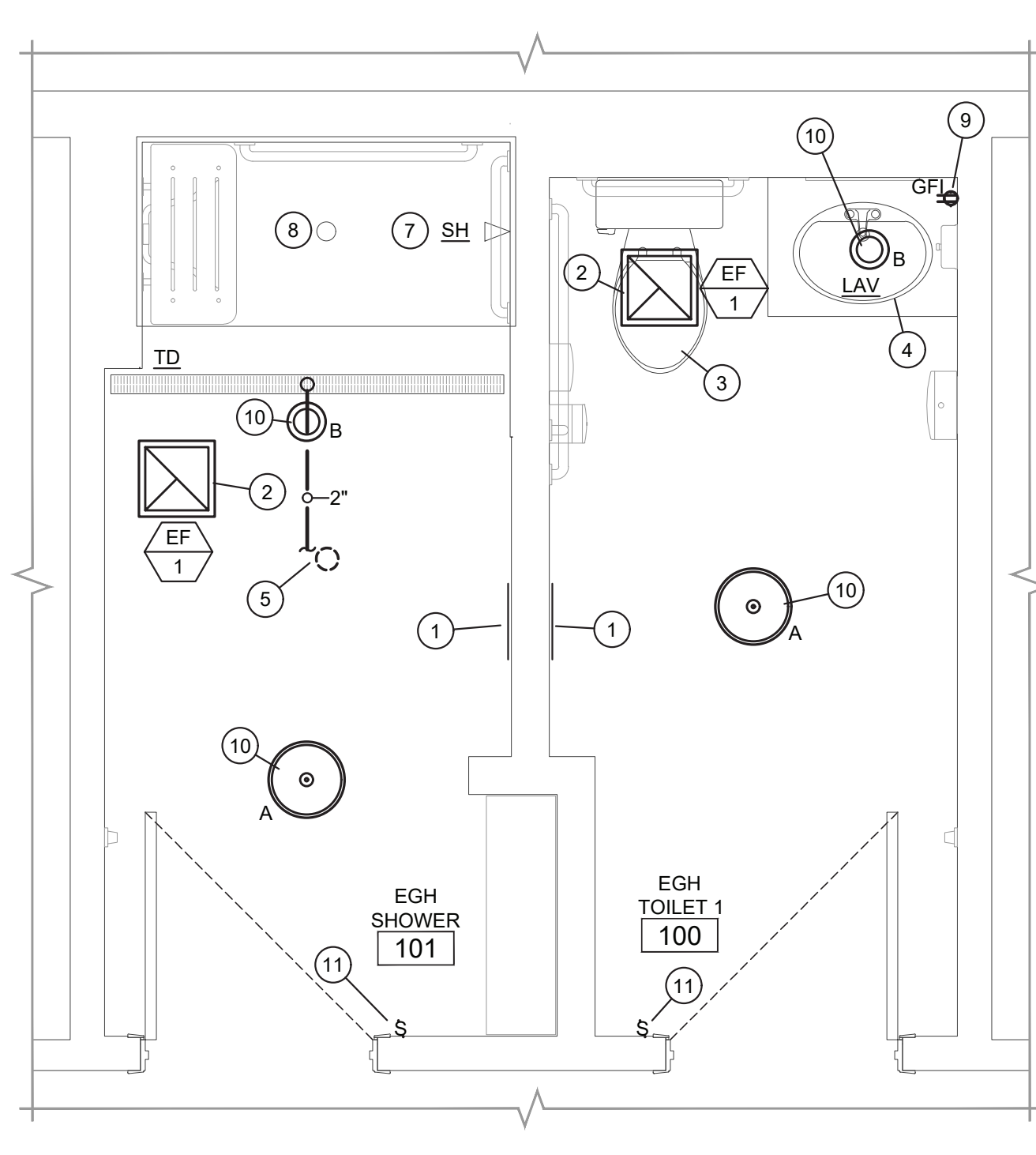
- GROUND ALL ELECTRICAL APPARATUS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) 250, AND ANY LOCAL REQUIREMENTS. INSURE CONTINUOUS BOND WHERE FLEXIBLE CONDUIT IS USED. PROVIDE BONDING JUMPER INSIDE ALL FLEXIBLE CONDUIT.
- BOND METAL PIPING SYSTEMS IN COMPLIANCE WITH NEC 250.4(A)(4).

MECHANICAL/ELECTRICAL/PLUMBING KEY NOTES

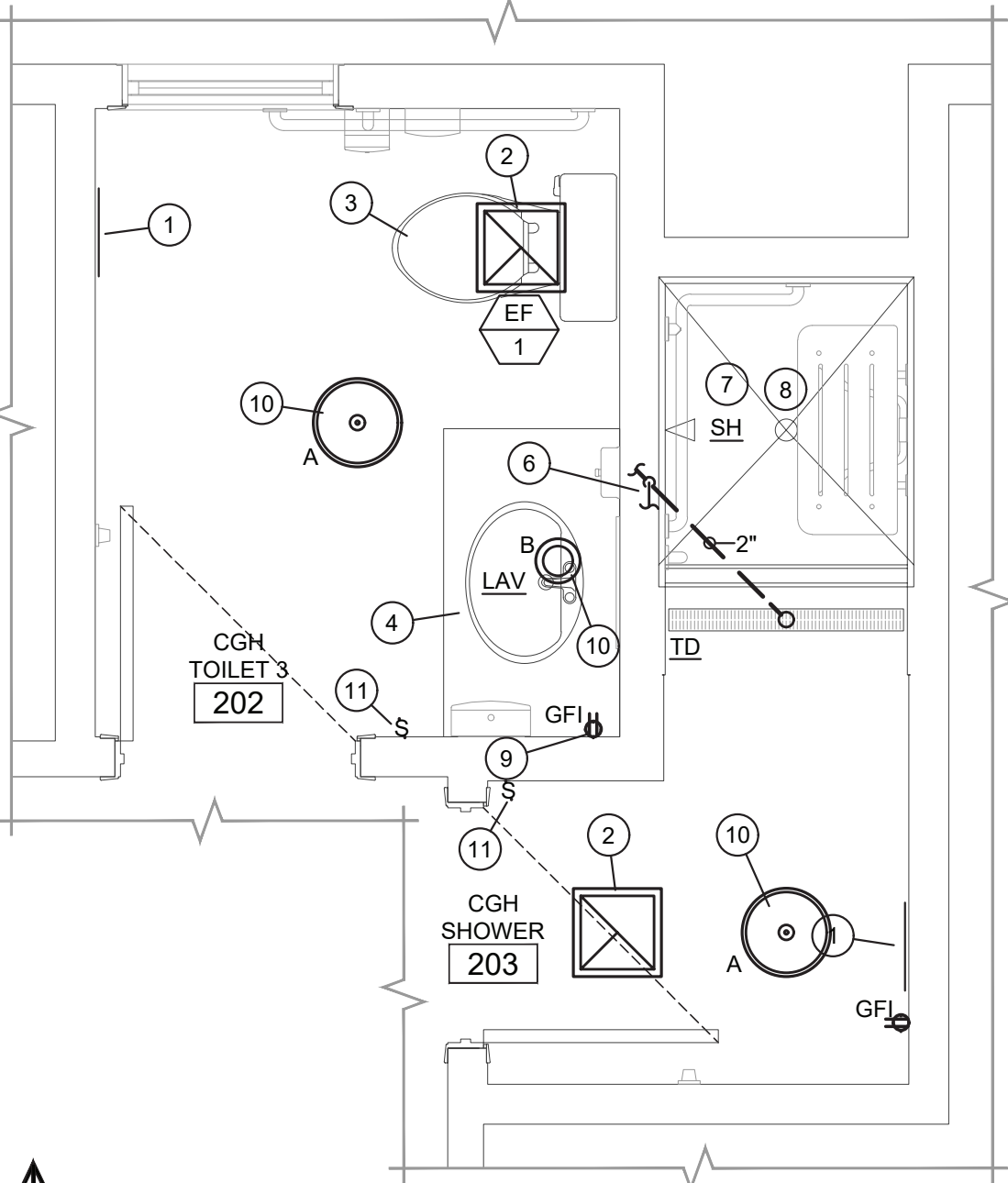
- EXISTING SUPPLY AIR DIFFUSER. REPLACE WITH NEW TO MATCH EXISTING. VERIFY LOCATION AND DIMENSIONS PRIOR TO PERFORMING WORK.
- DISCONNECT AND REMOVE EXISTING EXHAUST FAN. INSTALL NEW EXHAUST FAN AS SCHEDULED. RECONNECT TO EXISTING EXHAUST DUCTWORK AND POWER.
- DISCONNECT WATER FROM WATER CLOSET AND REMOVE (FOR RE-USE). RETURN TO PLACE AND RECONNECT AFTER ROOM FINISHES ARE COMPLETE.
- DISCONNECT WATER AND WASTE PIPING FROM EXISTING LAVATORY. PROVIDE NEW FAUCET AS SCHEDULED. RECONNECT WATER AND WASTE PIPING TO NEW FIXTURE AS REQUIRED.
- EXISTING FLOOR DRAIN TO BE REMOVED. CONNECT WASTE PIPING FROM NEW TRENCH DRAIN TO EXISTING WASTE PIPING FOR DEMO/FLOOR DRAIN. VERIFY EXACT LOCATION, ELEVATION, AND DIRECTION OF FLOW PRIOR TO INSTALLATION OF ANY PIPING.
- CONNECT 2" WASTE/VENT FROM NEW TRENCH DRAIN TO EXISTING WASTE/VENT PIPING. VERIFY EXACT LOCATION, ELEVATION, AND DIRECTION OF FLOW OF EXISTING PIPING PRIOR TO INSTALLATION OF ANY PIPING.
- REMOVE EXISTING TUB/SHOWER VALVE AND TRIM. INSTALL NEW VALVE AND TRIM AS SCHEDULED.
- EXISTING SHOWER TO BE REPLACED PER ARCHITECTURAL. DISCONNECT WASTE FROM DEMO/ SHOWER AND RECONNECT TO NEW SHOWER AS REQUIRED.
- REPLACE EXISTING OUTLET WITH NEW GFCI OUTLET. VERIFY PROPER GROUNDING IS PRESENT.
- REPLACE EXISTING LIGHT FIXTURE WITH NEW FIXTURE AS SCHEDULED. EXISTING LIGHTING CIRCUIT TO BE RE-USED.
- REPLACE EXISTING SWITCH WITH NEW SWITCH. VERIFY PROPER GROUNDING IS PRESENT.



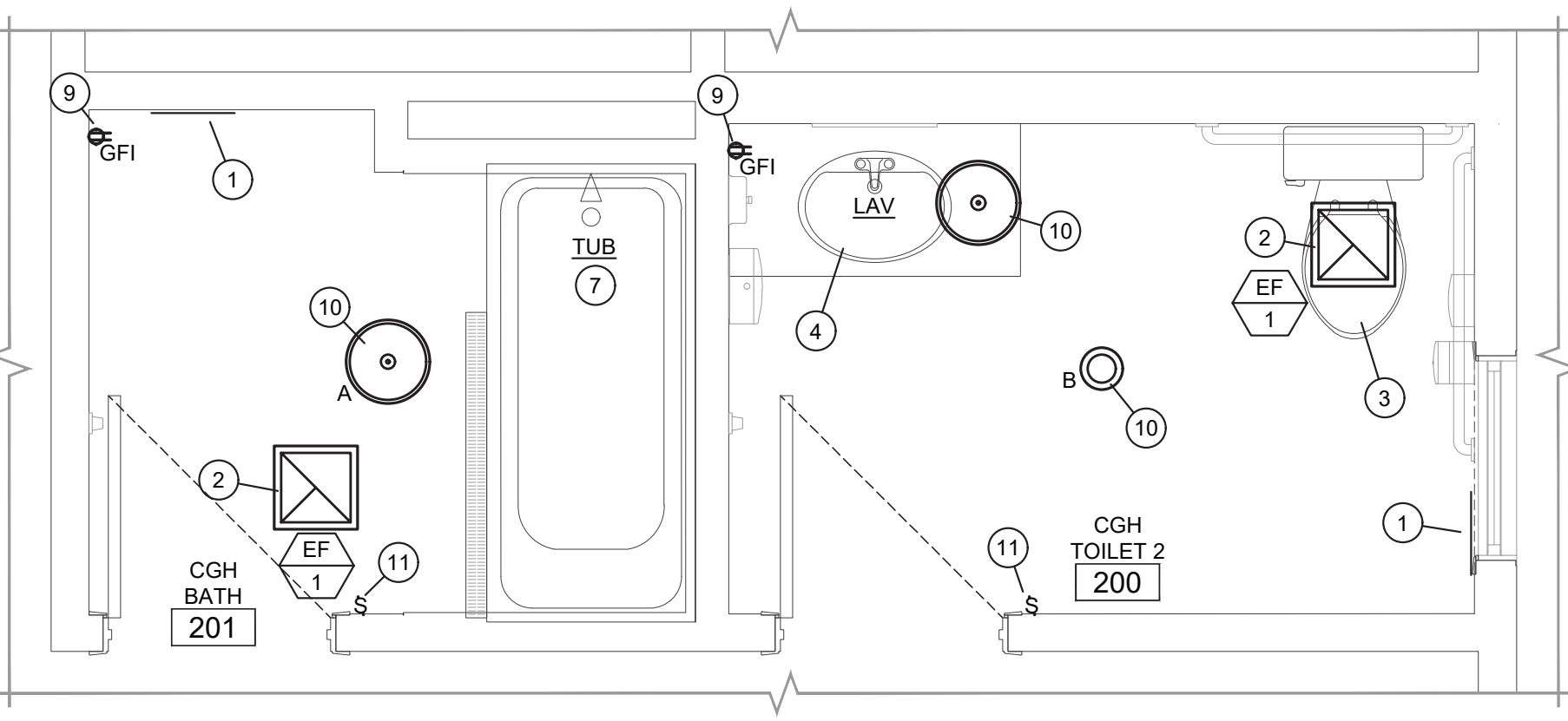
MEP FLOOR PLAN - EGH, AREA 2  
SCALE: 1/2" = 1'-0"



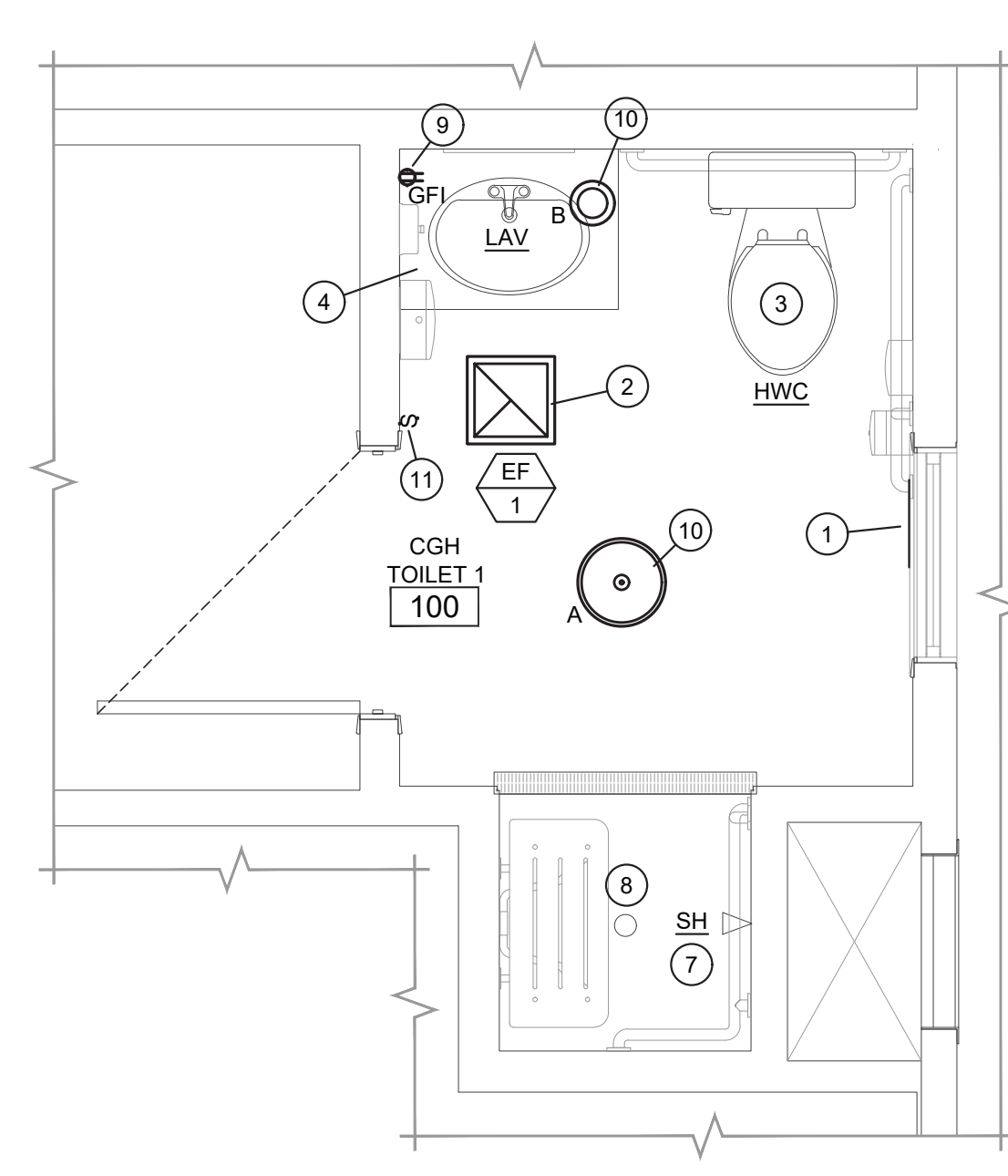
MEP FLOOR PLAN - EGH, AREA 1  
SCALE: 1/2" = 1'-0"



MEP FLOOR PLAN - CGH, 2ND FLOOR, AREA 2  
SCALE: 1/2" = 1'-0"



MEP FLOOR PLAN - CGH, 2ND FLOOR, AREA 1  
SCALE: 1/2" = 1'-0"



MEP FLOOR PLAN - CGH, 1ST FLOOR  
SCALE: 1/2" = 1'-0"

EXHAUST FAN SCHEDULE										
MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	E.S.P. ("W.C.)	RPM (MAX)	ELECTRICAL DATA			CONTROL METHOD	ACCESSORIES AND INSTALLATION NOTES
						VOLTAGE	WATTS	HP		
EF 1	COOK	GC-146	70	0.25	800	120/110	30	-	LIGHTING CIRCUIT	1,2,3,4
1. UNIT-MOUNTED VARIABLE SPEED CONTROLLER. 2. BACKDRAFT DAMPER.										

LIGHT FIXTURE SCHEDULE				
MARK	MANUFACTURER & CATALOG NUMBER	VOLTS WATTS	LAMPS	DESCRIPTION
A	LUXRITE LR23556	120 / 20	INCLUDED	12" FLUSH SURFACE LED. SELECTABLE COLOR TEMPERATURE. DIMMABLE.
B	LITHONIA #WF6-LED-30K40K50K-90CRI-MW-M6	120 / 14	INCLUDED	6" RECESSED LED CAN DOWNLIGHT, WET LOCATION RATED, SWITCHABLE COLOR TEMPERATURE, 1,110 MAX LUMENS, DIMMING, WHITE FINISH.

ELECTRICAL SYMBOLS AND LEGEND	
SYMBOL	DESCRIPTION
+48"	NON-STANDARD MOUNTING HEIGHT FOR INDICATED DEVICE (DISTANCE IS FINISH FLOOR TO CENTERLINE)
(X)	KEYED PLAN NOTE
A	LED FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
□	DUPLEX RECEPTACLE (BOTTOM OF BOX AT 16" AFF UNLESS NOTED OTHERWISE)
S	SINGLE POLE WALL SWITCH (TOP OF BOX 48" AFF)
S <sub>0</sub>	INFRARED OCCUPANCY SENSOR (WATT STOPPER #P-W-100) (TOP OF BOX 48" AFF)
E.C.	ELECTRICAL CONTRACTOR

PLUMBING SYMBOLS AND LEGEND		
ABBR.	LINE TYPE	DESCRIPTION
SS	---	SANITARY SEWER PIPING BELOW FLOOR
SS	---	SANITARY SEWER PIPING ABOVE FLOOR
V	—V—	SANITARY VENT PIPING ABOVE FLOOR
V	---V---	SANITARY VENT PIPING BELOW FLOOR
-	—>	PIPE ELBOW DOWN
-	—○—	PIPE ELBOW UP
-	—○—	PIPE TEE UP
-	—○—	PIPE TEE DOWN

PLUMBING FIXTURE SCHEDULE (OR EQUAL)								
MARK	FIXTURE	MANUFACTURER	MODEL	DESCRIPTION	WASTE	VENT	CW	HW
LAV	ADA LAVATORY (SINK INTEGRAL WITH COUNTER)	AMERICAN STANDARD	2175.205.002	FAUCET WITH SINGLE METAL LEVER FAUCET, OFFSET GRID ELBOW DRAIN AND 1-1/4" TAILPIECE, CHROME PLATED CAST BRASS P-T-RAP WITH CLEANOUT (MOUNTED PARALLEL WITH WALL), CHROME PLATED ANGLE STOPS AND RISERS. PROVIDE PROWRAP SEAMLESS MOLDED CLOSED CELL VINYL INSULATION OVER EXPOSED DRAIN, WATER SUPPLIES, AND VALVES. THERMOSTATIC CONTROLLED MIXING VALVE, LEAD FREE BRONZE BODY, TAMPER-RESISTANT LOCKING NUT, INTEGRAL CHECK VALVES ON HOT AND COLD INLETS. (SET TO 110°F). ASSE 1070 LISTED.	1-1/4"	1-1/4"	1/2"	1/2"
TD	TRENCH DRAIN	JR SMITH	9667	2" WIDE STAINLESS STEEL TRENCH DRAIN WITH BOTTOM OUTLET, SLOTTED GRATE. (FULL WIDTH OF SHOWER/TUB OPENING).	2"	2"	N/A	N/A
SH	ADA SHOWER VALVE	LEONARD	501P 4500	HAND-HELD SHOWER, 24" GLIDE RAIL, VACUUM BREAKER, SUPPLY ELBOW, CHROME PLATED DISCONNECT FOR EASH REMOVAL OF SHOWER HOSE, VANDAL-RESISTANT SCREWS, PRESSURE-BALANCED VALVE, INTEGRAL CHECK STOPS, CAST WALL FLANGE AND LEVER HANDLE.	N/A	N/A	1/2"	1/2"
TUB	TUB/DIVERTER SPOUT, VALVE, AND SHOWER HEAD	LEONARD	D-1 4500 H-01	TUB/DIVERTER SPOUT, PRESSURE BALANCED VALVE, INTEGRAL CHECK STOPS, CAST WALL FLANGE AND LEVER HANDLE. SHOWER HEAD WITH BRASS BALL JOINT AND BASE, MOUNT HEAD 6'-6" AFF.	N/A	N/A	1/2"	1/2"



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DIVISION OF FACILITIES  
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DESIGN AND CONSTRUCTION

REMODEL SHOWER &  
RESTROOM

CROSSROADS & ESPERANZA  
GROUP HOMES

KANSAS CITY, MO

PROJECT # M2412-01  
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9 OF 9 SHEETS  
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