

Addendum

Addendum No.: **001T(Final Addendum)**
Date: 1/6/2021

Project: **Lukachukai Community School**
Project No.: 20-7002.001

From: Dekker/Perich/Sabatini
7601 Jefferson St. NE, Suite 100
Albuquerque, NM 87109

To: All Prospective Bidders and Plan Holders

This Addendum forms a part of the Bid Documents and modifies the Bid Documents issued by Dekker/Perich/Sabatini (D/P/S) and Project Manuals dated 12/10/2020 and Drawings dated 12/10/2020. Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification. All other provisions of the Bid Documents shall remain unchanged. This Addendum contains a total of (12)8 ½"x11" pages and (27) 30" x 42" sheets.

Bid Package #4 Teacherages

1. GENERAL:

1.1. Submitted Questions and Responses.

1.1.1.Q: Are all of the units supposed to have fire alarm panels or just the ADA units?

A: Yes all units require fire alarm due to the fire protection.

1.1.2.Q: Thermal Insulation specification section 07 2100 – 5, 2.2 Foam Board Insulation Materials; B. and 3.6 Board Insulation over low slope roof deck ask for poly-iso over roof deck, however plans show all roof locations in bid lot 4 to have batt insulation under roof deck. Which do we follow?

A: Exterior wall type legend calls for 1 ½" Rigid insulation over dec, and R-19 Batt insulation tied tight to bottom of deck. A loose layer of R-09 batt insulation is also required to be draped over mechanical ductwork in attic

1.1.3.Metal Roof Panels section 07 4112 – 2; 2.1- B. asks for concealed fastener roof panels were as plan GI000, Partition Type Legend R1 shows Pro-Panel (Corrugated) Roofing Panel. Which type should be provided? If the concealed fastener panels are selected, is a snap lock or mechanical seamed panel preferred?

A: Pro-Panel corrugated roof panel per VE.

1.1.4.Metal Roof Panels section 07 4112 – 2; 2.1-B. asks for full range of colors. This could increase material cost up 20% when including metallic colors. Would manufacturers standard colors be acceptable?

A: Full Range of Standard Colors.

1.1.5.Metal Roof Panels section 07 4112 – 2; 2.5-D. Underlayment is to be a synthetic underlayment with no other direction. B3/AE501 shows self adhering polymer-modified bitumen extending 24" up slope beyond inside face of the exterior wall. Is the intention to use both products as separately outlined?

A: Follow self adhering bitumen extending 24" up slope as in B3.AE501. This meets NFPA requirements.

1.1.6.Metal Roof Panels section 07 4112 – 2; 2.5-E and Roof Accessories section 07 7200 – 1; 2.4-A ask for snow guard. Is the intent to provide snow guard at all eave locations or just doorways?

A: At door ways only is acceptable.

- 1.1.7. There are CO detectors drawn on the plans next to the thermostat. Are these in the mechanical scope? The heat pumps that are in the mechanical scope are all electric. If they are required in the mechanical scope, please provide a make and model of them.

A: ***The CO sensor have been changed to CO2 sensor and is a part of the Mechanical scope.***

- 1.1.8. In the specification book under division 23, they are asking for controls contractor and building automation systems. Is this actually needed on the houses?

A: ***No, automation systems can be eliminated from the specifications.***

- 1.1.9. Page es101 shows outside disconnect, one per building but e101, e-201 show two per building?

A: ***One location on electrical plans are shown as one possible location the other is the possible alternate location per conduits entering from the utility transformer as noted in the keynotes.***

EP10	LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET ES101 AND ELECTRICAL ONE-LINE DIAGRAM ON SHEET E-601 FOR SECONDARY FEEDER LOCATION. USE ALTERNATE LOCATION WHERE CONDITIONS DICTATE.
EP11	ALTERNATE LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET ES101 FOR SECONDARY FEEDER LOCATIONS.

- 1.1.10. Spec indicate romex is acceptable, but sheet show 220 circuits in conduit, is it all romex or all conduit?

A: ***Romex is acceptable at the teacherages only***

- 1.1.11. What is entailed with a radon suction pit? There is no detail for this. Is the 6" just ran from below the slab and thru the roof? PP. p101, 103

A: ***The Radon mitigation system will have a 6" diameter vertical vent pipe and 4" gravel base. GFCI to be located in attic space for future active system.***

2. SPECIFICATIONS:

2.1. SECTION 08 1416 – FLUSH WOOD DOORS

2.1.1. **Replace** this section in its entirety

2.2. SECTION 08 1613 – FIBERGLASS DOORS

2.2.1. **Add** this section in its entirety

3. DRAWINGS:

3.1. GI101 - CODE ANALYSIS AND LIFE SAFETY PLAN

3.1.1. **Revise** applicable code data as indicated in table.

3.1.2. **Replace** this sheet in its entirety

3.2. AE101 - 1BD/1BA DUPLEX - PLANS

3.2.1. **Revise** floor plan A5 as indicated.

3.2.2. **Replace** this sheet in its entirety

3.3. AE102 - 2BD/1BA DUPLEX – PLANS

3.3.1. **Revise** floor plan A5 as indicated.

3.3.2. **Replace** this sheet in its entirety.

3.4. AE103 - 3BD/2BA SINGLE-FAMILY – PLANS

3.4.1. **Revise** floor plan A5 as indicated.

3.4.2. **Replace** this sheet in its entirety.

3.5. AE104 - TYPE 'A' UNITS - FLOOR PLANS

3.5.1. **Revise** floor plans A5, A1, and C5 as indicated.

3.5.2. **Replace** this sheet in its entirety.

3.6. AE201 - 1BD/1BA DUPLEX - EXTERIOR ELEVATIONS

3.6.1. **Revise** elevations B5, B2, and D5 as indicated.

3.6.2. **Replace** this sheet in its entirety.

3.7. AE203 - 3BD/2BA SINGLE-FAMILY - EXTERIOR ELEVATIONS

3.7.1. **Revise** elevations B5, B2, and D5 as indicated.

3.7.2. **Replace** this sheet in its entirety.

- 3.8. AE221 - INTERIOR ELEVATIONS
 - 3.8.1. **Revise** elevations B3, C2, and E3 as indicated.
 - 3.8.2. **Replace** this sheet in its entirety.
- 3.9. AE222 - INTERIOR ELEVATIONS - TYPE 'A' UNITS
 - 3.9.1. **Revise** elevations B1 and C1 as indicated.
 - 3.9.2. **Replace** this sheet in its entirety.
- 3.10. AE301 - 1BD/1BA DUPLEX - BUILDING / WALL SECTIONS
 - 3.10.1. **Revise** wall sections D5 and D3 as indicated.
 - 3.10.2. **Replace** this sheet in its entirety.
- 3.11. AE361 - CASEWORK SECTIONS
 - 3.11.1. **Revise** sections A1-A5 and C4 as indicated.
 - 3.11.2. **Replace** this sheet in its entirety.
- 3.12. AE501 - ENLARGED DETAILS
 - 3.12.1. **Remove** details A1 and A2.
 - 3.12.2. **Revise** details A3 and A4 as indicated.
 - 3.12.3. **Replace** this sheet in its entirety.
- 3.13. AE561 - DOOR / WINDOW / FRAME TYPES, DETAILS AND SCHEDULES
 - 3.13.1. **Revise** window details C1 and C2, and door details D1 and D2 as indicated.
 - 3.13.2. **Revise** window types at B1 as indicated.
 - 3.13.3. **Replace** this sheet in its entirety.
- 3.14. M-001 – MECHANICAL LEGEND
 - 3.14.1. **REVISE** CO2 sensor symbol.
 - 3.14.2. **REPLACE** this sheet in its entirety.
- 3.15. MH101 – HVAC PLAN – 1BD/1BA DUPLEX
 - 3.15.1. **REVISE** dryer vent.
 - 3.15.2. **REPLACE** this sheet in its entirety.
- 3.16. MH102 – HVAC PLAN – 2BD/1BA DUPLEX
 - 3.16.1. **REVISE** condenser unit location
 - 3.16.2. **REPLACE** this sheet in its entirety.
- 3.17. MH103 – HVAC PLAN – 3BD/2BA SINGLE-FAMILY
 - 3.17.1. **REVISE** pipe to offset inside closet
 - 3.17.2. **REVISE** duct offset below roof.
 - 3.17.3. **REVISE** HP-5 location.
 - 3.17.4. **REPLACE** this sheet in its entirety.
- 3.18. PL101 – WASTE & VENT PLAN – 1BD/1BA DUPLEX
 - 3.18.1. **REVISE** waste and vent plans per architectural background changes.
 - 3.18.2. **REPLACE** this sheet in its entirety.
- 3.19. PL102 – WASTE & VENT PLAN – 2BD/1BA DUPLEX
 - 3.19.1. **REVISE** waste and vent plans per architectural background changes.
 - 3.19.2. **REPLACE** this sheet in its entirety.
- 3.20. PL103 – WASTE & VENT PLAN – 3BD/2BA DUPLEX
 - 3.20.1. **REVISE** waste and vent plans per architectural background changes.
 - 3.20.2. **REPLACE** this sheet in its entirety.
- 3.21. PP101 – PRESSURE PIPING PLAN – 1BD/1BA DUPLEX
 - 3.21.1. **REVISE** pressure piping plans per architectural background changes.
 - 3.21.2. **REPLACE** this sheet in its entirety.
- 3.22. PP101 – WASTE & VENT PLAN – 2BD/1BA DUPLEX
 - 3.22.1. **REVISE** pressure piping plans per architectural background changes.
 - 3.22.2. **REPLACE** this sheet in its entirety.
- 3.23. PP101 – WASTE & VENT PLAN – 3BD/2BA DUPLEX
 - 3.23.1. **REVISE** pressure piping plans per architectural background changes.
 - 3.23.2. **REPLACE** this sheet in its entirety.
- 3.24. E-101 – ELECTRICAL PLANS – 1BD/1BA DUPLEX
 - 3.24.1. **REVISE** lighting and power plans per architectural background changes.
 - 3.24.2. **REPLACE** this sheet in its entirety.
- 3.25. E-102 – ELECTRICAL PLANS – 2BD/1BA DUPLEX

- 3.25.1. **REVISE** lighting and power plans per architectural background changes.
- 3.25.2. **REPLACE** this sheet in its entirety.
- 3.26. E-103 – ELECTRICAL PLANS – 3BD/2BA SINGLE-FAMILY
 - 3.26.1. **REVISE** lighting and power plans per architectural background changes.
 - 3.26.2. **REPLACE** this sheet in its entirety.
- 3.27. T-103 – WASTE & VENT PLAN – 1BD/1BA DUPLEX
 - 3.27.1. **MOVE** data port in each residence to avoid plumbing
 - 3.27.2. **REPLACE** this sheet in its entirety.

All other provisions of the Contract Documents shall remain unchanged. This addendum is hereby made a part of the Contract Documents to the same extent as those provisions contained in the original documents and all itemized listings thereof.

End of Addendum

SECTION 08 1613 - FIBERGLASS DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fiberglass doors.
- B. Fiberglass door frames-Prehung with Metal Frame.
- C. Glazing.

1.2 RELATED REQUIREMENTS

- A. Section 08 7100 - Door Hardware.
- B. Section 09 9113 - Exterior Painting: Field painting.

1.3 REFERENCE STANDARDS

- A. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2017.
- C. ASTM D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position; 2014.
- D. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.
- E. ASTM E283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2004 (Reapproved 2012).

1.4 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard details, installation instructions, hardware and anchor recommendations.
- C. Shop Drawings: Indicate layout and profiles; include assembly methods.

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1. Indicate product components, including hardware reinforcement locations and preparations, accessories, finish colors, patterns, and textures.
2. Indicate wall conditions, door and frame elevations, sections, materials, gauges, finishes, location of door hardware by dimension, and details of openings; use same reference numbers indicated on drawings to identify details and openings.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Mark doors with location of installation, door type, color, and weight.
- B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store materials in original packaging, under cover, protected from exposure to harmful weather conditions and from direct contact with water.
 1. Store at temperature and humidity conditions recommended by manufacturer.
 2. Do not use non-vented plastic or canvas shelters.
 3. Immediately remove wet wrappers.
- D. Store in position recommended by manufacturer, elevated minimum 4 inches above grade, with minimum 1/4 inch space between doors.

PART 2 PRODUCTS

2.1 MANUFACTURERS

2.2 DOOR AND FRAME ASSEMBLIES

- A. Door and Frame Assemblies: Factory-fabricated, prepared and machined for hardware.
 1. Screw-Holding Capacity: Tested to 890 pounds, minimum.
 2. Surface Burning Characteristics: Flame spread index (FSI) of 0 to 25, Class A, and smoke developed index (SDI) of 450 or less, when tested in accordance with ASTM E84.
 3. Flammability: Self-extinguishing when tested in accordance with ASTM D635.
 4. Clearance Between Door and Frame: 1/8 inch, maximum.
 5. Clearance Between Bottom of Door and Finished Floor: 3/4 inch, maximum; not less than 1/4 inch clearance to threshold.

2.3 COMPONENTS

- A. Doors: Fiberglass construction with reinforced core.

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1. Thickness: 1-3/4 inch, nominal.
 2. Core Material: Manufacturer's standard core material for application indicated.
 3. Construction:
 4. Face Sheet Texture: Smooth.
 5. Door Panel: As indicated on drawings.
 6. Subframe and Reinforcements: Manufacturer's standard materials.
 7. Waterproof Integrity: Provide factory fabricated edges, cut-outs, and hardware preparations of fiberglass reinforced plastic (FRP); provide cut-outs with joints sealed independently of glazing, louver inserts, or trim.
 8. Hardware Preparations: Factory reinforce, machine, and prepare for door hardware including field installed items; provide solid blocking for each item; field cutting, drilling or tapping is not permitted; obtain manufacturer's hardware templates for preparation as necessary.
- B. Door Frames: Provide type in compliance with performance requirements specified for doors.
1. Type: Prehung with Metal Frame.
 2. Profiles: As indicated on drawings.
 3. Basis of Design: Adjustafit Ready Frames

2.4 PERFORMANCE REQUIREMENTS

- A. Provide door assemblies that have been designed and fabricated in compliance with specified performance requirements.
- B. Air Leakage: Maximum of 0.1 cfm per square foot at 6.27 psf differential pressure, when tested in accordance with ASTM E283.
- C. Thermal Transmittance, Exterior Doors: AAMA 1503, U-value of 0.35, maximum, measured on exterior door in size required for this project.

2.5 FINISHES

- A. Painted: Two-part aliphatic polyurethane, low VOC industrial coating.
1. Thickness: Minimum 5 mils, 0.005 inch wet thickness.
 2. Color: As selected by Architect from manufacturer's custom line of colors.

2.6 ACCESSORIES

- A. Glazing:

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1. Fully tempered float glass, 1/4 inch thick, clear.
- B. Door Hardware: See Section 08 7100.
- C. Eye Viewer: At unit entry doors as indicated on drawings

END OF SECTION

SECTION 08 1416 - FLUSH WOOD DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Solid-core, wood doors; flush configuration; Prehung with Frame.

1.2 RELATED REQUIREMENTS

- A. Section 06 2000 - Finish Carpentry: Wood door frames.
- B. Section 08 1113 - Hollow Metal Doors and Frames.
- C. Section 08 7100 - Door Hardware.
- D. Section 09 9123 - Interior Painting: Field finishing of doors.

1.3 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
- C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- D. Samples: Submit two samples of door veneer, 3 by 6 inch in size illustrating wood grain, stain color, and sheen for each finish scheduled or selected.
- E. Manufacturer's Installation Instructions: Indicate special installation instructions.
- F. Specimen warranty.
- G. Warranty, executed in Owner's name.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with not less than five years of documented experience.
- B. Source Limitations: Obtain flush wood pre hung doors through one source from a single manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging. Inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic. Do not store in damp or wet areas; or in areas where sunlight might bleach veneer. Seal top and bottom edges with tinted sealer if stored more than one week. Break seal on site to permit ventilation.

1.6 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

PART 2 PRODUCTS

2.1 DOORS

- A. Doors: Refer to drawings for locations and additional requirements.
 - 1. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
- B. Interior Doors: Flush solid core construction.
 - 1. Thickness: 1-3/4 inches, unless otherwise indicated.
 - 2. Facing: Wood veneer with factory transparent finish as indicated on drawings.
 - 3. Prehung hinges with wood frame

2.2 DOOR AND PANEL CORES

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.
- B. Hollow Core Doors: Type - Standard (FSHC); plies and faces as indicated above.

2.3 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Cores Constructed with stiles and rails:

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- C. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- D. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
 - 1. Exception: Doors to be field finished.
- E. Provide edge clearances in accordance with the quality standard specified.
- F. Shop priming: Doors for Opaque Finish: Shop prime doors with one coat of wood primer specified in Division 09 Section "Interior Painting". Seal all four edges, edges of cutouts, and mortises with primer.

2.4 ACCESSORIES

- A. Wood Door Frames: As specified in Section 06 2000.
- B. Hollow Metal Door Frames: As specified in Section 08 1113.
- C. Door Hardware: As specified in Section 08 7100.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.2 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
- C. Field-Finished Doors: Trimming to fit is acceptable.
 - 1. Adjust width of non-rated doors by cutting equally on both jamb edges.
 - 2. Trim maximum of 3/4 inch off bottom edges.
- D. Use machine tools to cut or drill for hardware.

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- E. Coordinate installation of doors with installation of frames and hardware.

3.3 TOLERANCES

- A. Comply with specified quality standard for fit and clearance tolerances.
- B. Comply with specified quality standard for telegraphing, warp, and squareness.

3.4 ADJUSTING

- A. Adjust doors for smooth and balanced door movement.
- B. Adjust closers for full closure.

END OF SECTION

GENERAL SHEET NOTES

A. SMOKE DETECTORS TO BE INSTALLED PER NFPA 70 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
B. SMOKE DETECTORS ARE TO BE HARD-WIRED WITH BATTERY BACKUPS AND INTERCONNECTED.
C. CARBON MONOXIDE ALARMS TO BE INSTALLED PER NFPA 70 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

APPLICABLE CODES

2018 NFPA 101 Life Safety Code
2018 NFPA 5000 Building Construction and Safety Code
2007 ASHRAE 90.2 Energy Efficient Design of Low-Rise Residential Buildings
2017 NFPA 70 National Electric Code (NEC)
2018 NFPA 54 National Fuel Gas Code
2018 Uniform Plumbing Code
2018 Uniform Mechanical Code
TIAI/2005-2007 International Building Code
2019 IRC, R301, CH 4 and 8 (structural design)
Fair Housing Act Design Manual (Revised 1998)

OCCUPANCY CLASSIFICATION

OCCUPANCY GROUP (NFPA 5000 CHAPTER 6.1.8 2018 ed): ONE- AND TWO-FAMILY DWELLING

TYPE OF CONSTRUCTION

CONSTRUCTION CLASSIFICATION (NFPA 220): V(000)

FIRE PROTECTION SYSTEMS

- HAZARD CLASSIFICATION: ORDINARY (NFPA 24.1.5)
- BUILDINGS ARE EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM AS REQUIRED FOR ONE- AND TWO-FAMILY DWELLINGS (NFPA 22.3.5.1)
- BUILDINGS ARE EQUIPPED WITH SMOKE DETECTORS AS REQUIRED FOR ONE- AND TWO-FAMILY DWELLINGS (NFPA 22.3.4.1.1)
- BUILDINGS ARE EQUIPPED WITH CARBON MONOXIDE ALARMS (HARD-WIRED WITH BATTERY BACK-UP) AS REQUIRED FOR ONE- AND TWO-FAMILY DWELLINGS (NFPA 22.3.4.2.1)

ENERGY CONSERVATION

APACHE COUNTY, AZ
CLIMATE ZONE: 3A.B

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT	REQUIRED	PROVIDED
ROOF	R-22 CAVITY	R-38
WALLS	R-15-7.5 d	R19-7.5 d
DOORS	U-0.35	U-0.35
WINDOWS	U-0.47; SHGC 0.40	U-0.36; SHGC 0.40
SKYLIGHTS	U-0.35; SHGC 0.40	U-0.35; SHGC 0.40

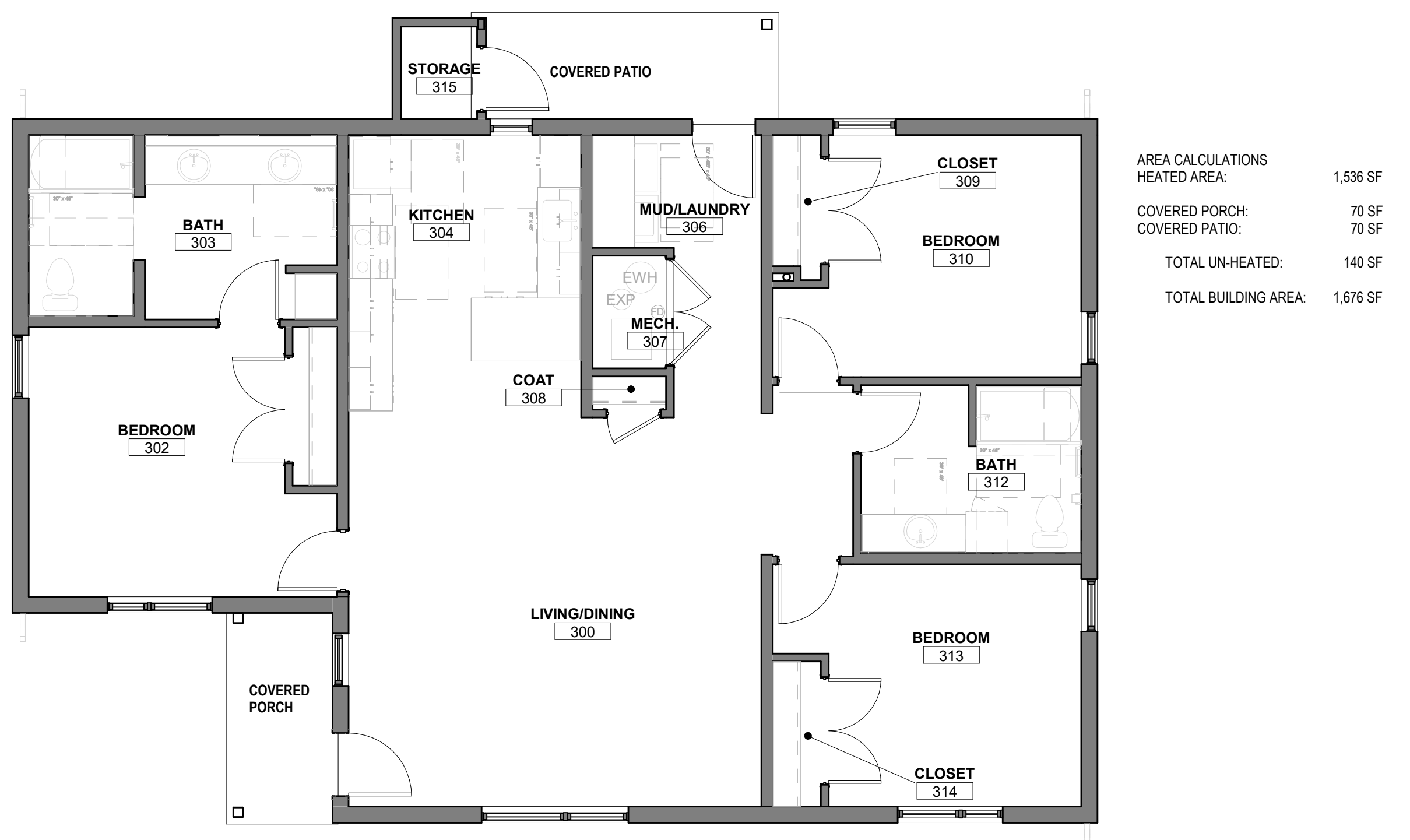
PROVIDED ENVELOPE VALUES ARE HIGHER THAN THE REQUIRED VALUES DUE TO LEED REQUIREMENTS

SHEET LEGEND

Name	ROOM NAME
101	ROOM NUMBER
150 SF/ 50 SF	AREA OF ROOM/SF PER OCCUPANT (NFPA 5000 2018)
3 OCC	OCCUPANT LOAD OF ROOM

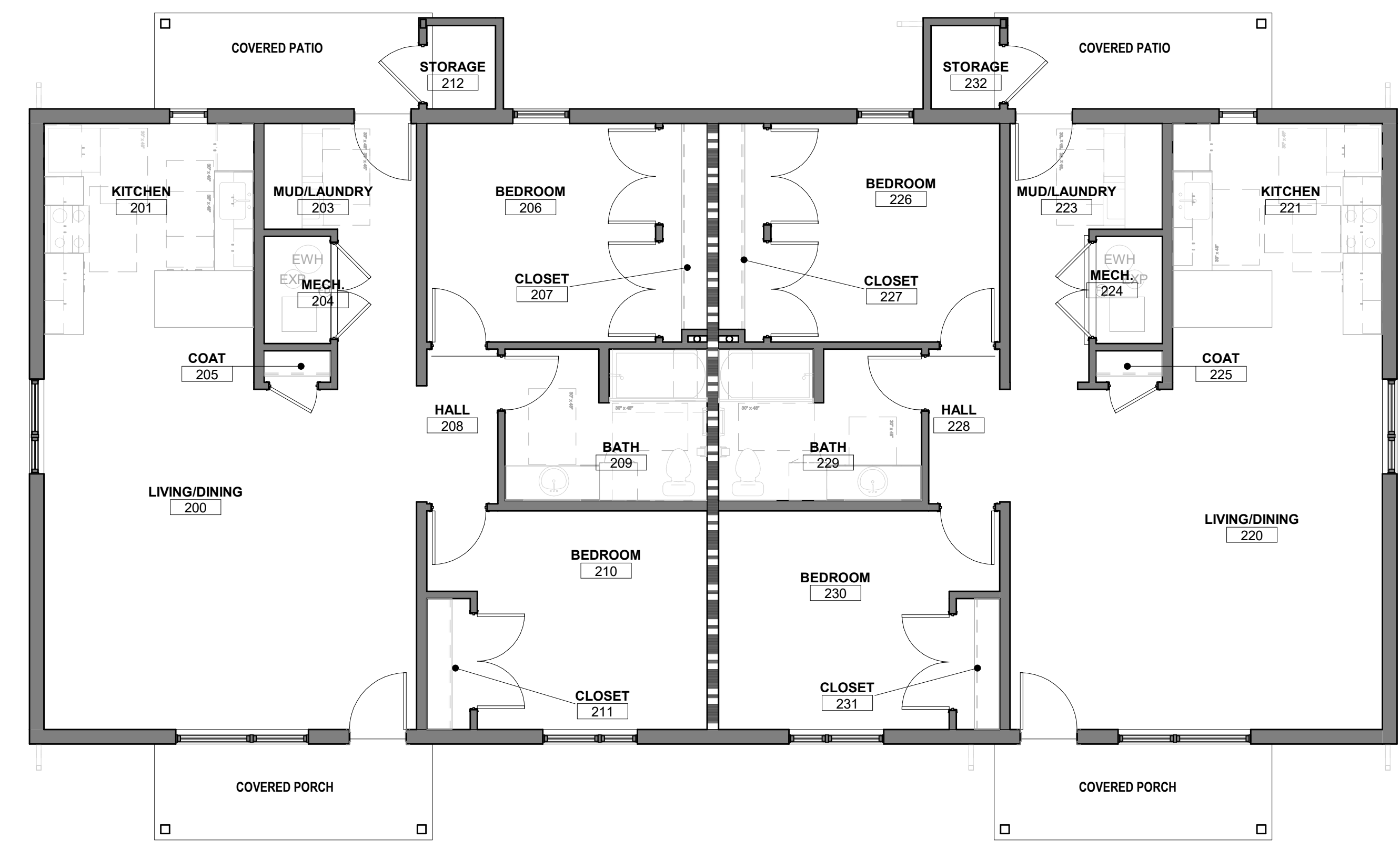
FEB FIRE EXTINGUISHER BRACKET

1 HOUR RATED PARTITION, REFER TO PARTITION TYPES



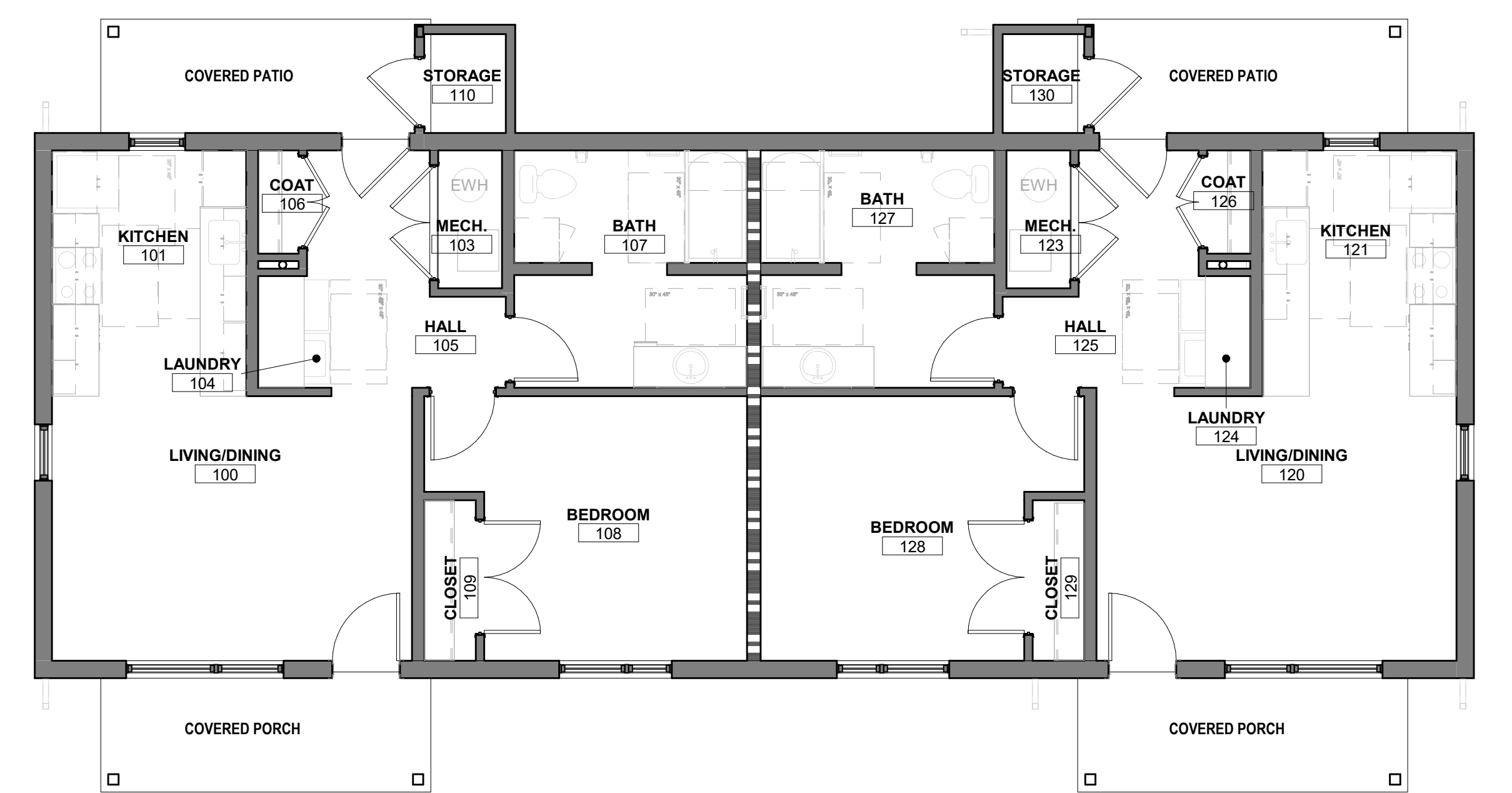
AREA CALCULATIONS	1,536 SF
HEATED AREA:	
COVERED PORCH:	70 SF
COVERED PATIO:	70 SF
TOTAL UN-HEATED:	140 SF
TOTAL BUILDING AREA:	1,676 SF

C5 3BD/2BA SINGLE-FAMILY - LIFE SAFETY PLAN
3/16" = 1'-0"



AREA CALCULATIONS	2,400 SF
HEATED AREA:	
COVERED PORCH:	140 SF
COVERED PATIO:	140 SF
TOTAL UN-HEATED:	280 SF
TOTAL BUILDING AREA:	2,680 SF

B1 2BD/1BA DUPLEX - LIFE SAFETY PLAN
3/16" = 1'-0"



AREA CALCULATIONS	1,530 SF
HEATED AREA:	
COVERED PORCH:	140 SF
COVERED PATIO:	140 SF
TOTAL UN-HEATED:	280 SF
TOTAL BUILDING AREA:	1,810 SF

A5 1BD/1BA DUPLEX - LIFE SAFETY PLAN
3/16" = 1'-0"

GENERAL SHEET NOTES

- A. REFERENCE SITE PLAN FOR LOCATIONS OF ADA-ACCESSIBLE HOUSING UNITS FOR EACH UNIT TYPE.
B. REFERENCE SITE PLAN FOR LOCATIONS OF HOUSING UNITS WITH PROVISIONS FOR THE HEARING IMPAIRED.
C. PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
D. PROVIDE BLOCKING AT ALL TOILET AND SHOWER LOCATIONS FOR SECURING GRAB BARS.
E. EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS.
F. INTERIOR WALLS TO BE TYPE S1A, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS.
G. AT EXTERIOR STORAGE ROOMS WHERE WALL TYPE S1B IS CALLED OUT, PROVIDE BATT INSULATION TO MATCH ADJACENT/JOINING EXTERIOR WALLS, TYP.
H. ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS.
I. DIVERT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT.
J. REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
K. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
L. DISHWASHER SHOWN FOR LOCATION AND REFERENCE ONLY. NOT IN CONTRACT.
M. CONTRACTOR TO SUPPLY AND INSTALL RANGE AND REFRIGERATOR ONLY. ALL OTHER APPLIANCES BY OWNER AND INSTALLED BY CONTRACTOR.
N. PROVIDE GAS LINE STUB OUT FOR RANGE AT ALL UNITS, TYP. REFER TO MECHANICAL.
O. ALL INTERIOR FINISHES FLAME SPREAD REQUIREMENTS SHALL BE IN COMPLIANCE WITH NFPA 800 (2016), CHAPTER 10.2.
P. PAINT ALL GYP. BOARD CEILINGS IN UNITS P-2, UNLESS NOTED OTHERWISE.
Q. PAINT ALL GYP. BOARD WALLS IN UNITS P-1, UNLESS NOTED OTHERWISE.
R. ALL FINISH TRANSITIONS THAT OCCUR AT DOORWAYS TRANSITION MATERIAL AT CENTERLINE OF DOOR WHEN CLOSED.
S. ALL FLOORING TO RUN CONTINUOUSLY UNDER APPLIANCES AND AT OPEN CABINET CONDITIONS.
T. ALL GYP. BOARD WALLS TO RECEIVE WB-1, UNLESS NOTED OTHERWISE.
U. SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY; TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION.
V. RADON MITIGATION SYSTEM UNDERSLAB ASSEMBLY WITH GRAVEL, PITS AND FDM, VERTICAL VENT PIPING BY CONTRACTOR, OVER 4" GRAVEL BASE. REF. STRUCTURAL FOR SLAB-ON-GRADE DETAILS.
W. COORDINATE RADON PIPING LOCATIONS PRIOR TO PLACING SLAB. PROVIDE GFCI IN ATTIC FOR FUTURE ACTIVE SYSTEM.
X. AT MECHANICAL ROOM, PROVIDE ELEVATED BASE @ 16" BASE + 2'-0" A.F.F. FOR WATER HEATER AND FURNACE CONSISTING OF 2x6 FRAMING AT 16" O.C. & 1x4 FLOORWOOD DECKING.
Y. FOR MAINTENANCE, PROVIDE ACCESS PANEL TO FLOOR DRAIN/SINK AT MECH. ROOM.

REFERENCE KEYNOTES

03 3000.04	CONCRETE SLAB ON GRADE
06 1000.08	DIMENSIONAL CEDAR COLUMN, REF. STRUCT.
06 1000.14	DIMENSION WOOD COLUMN, REF. STRUCT.
07 4646.06	FIBER CEMENT FASCIA BOARD
07 6200.04	METAL GUTTER
07 6200.05	METAL DOWNSPOUT
22 0000.07	HOSE BIBB, REF. PLUMBING
23 0000.05	HEAT PUMP UNIT ON CONC. PAD, REF. MECH.

EXTERIOR WALL TYPES

REFERENCE SHEET G1000

W1	EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAP/PAPER (SEAL ALL SEAMS) ON 7/16" OSB SHEATHING ON 2x4 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR.
W2	EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAP/PAPER (SEAL ALL SEAMS) ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C., WITH 1/2" GYPSUM BOARD ON INTR. TYPE W2A - SAME AS W2 EXCEPT NO GYPSUM BOARD

INTERIOR WALL TYPES

REFERENCE SHEET G1000

D1	INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - (UL 1340) ONE LAYER S1B TYPE "X" GYPSUM BOARD ON 1/2" CLARK DIETRICH RC DELUXE RESILIENT CHANNEL (@ 24" O.C.), ONE SIDE ON 2x4 STUDS (@ 24" O.C.) STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.), UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH S1B TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE.
S1A	INTERIOR PARTITION WALL (NON-LOAD BEARING) (1) LAYER(S) 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER TYPE S1B: SAME AS S1A EXCEPT 2x6 STUDS TYPE S2A: SAME AS S1A EXCEPT GYPSUM BOARD ONE SIDE ONLY. TYPE S2C: SAME AS S2A EXCEPT 2x2 STUDS
S2A	INTERIOR PARTITION WALL (NON-LOAD BEARING) ONE LAYER(S) 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER TYPE S2B: SAME AS S2A EXCEPT 2x6 STUDS

ROOF TYPES

R1	ROOF ASSEMBLY - NON RATED PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAYMENT ON 2x4 FRAMED ROOF TRUSS (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-38 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR.
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FLOOR TYPES

F1	FLOOR ASSEMBLY 4" CONCRETE SLAB (PER STRUCTURAL) ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE. NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION.
F2	FLOOR ASSEMBLY 3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS.

GENERAL LEGEND

CR	SHOWER CURTAIN ROD
GBXX	GRAB BAR PER ANSI A117.1 XX INDICATES WIDTH
MR	MIRROR, FULL WIDTH OF VANITY COUNTERTOP
R&S	ROD & SHELF - WIRE CLOSET SHELVING
RH	ROBE HOOK
SHVS	SHELF - WIRE CLOSET SHELVING
TB	TOWEL BAR
TP	TOILET PAPER DISPENSER
WS	WORK SURFACE, 30" WIDE MINIMUM CLEARANCE

APPLIANCE LEGEND

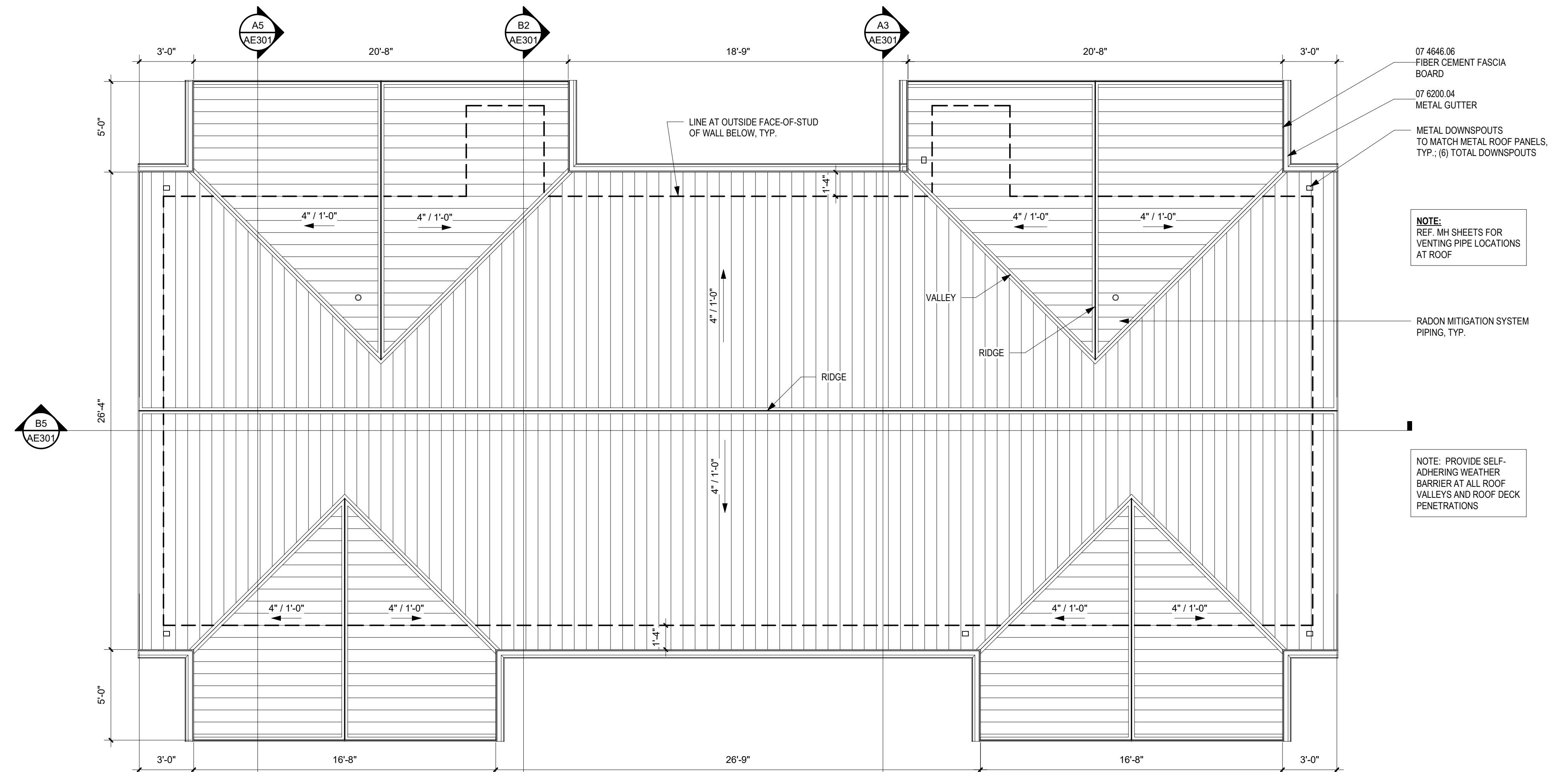
ADA DW	ADA DISHWASHER
DW	DISHWASHER
ADA REF	ADA REFRIGERATOR
REF	REFRIGERATOR
ADA RO	ADA ELECTRIC RANGE/ OVEN
RO	RANGE/ OVEN
W	WASHER
D	DRYER
MIC	MICROWAVE (ADA) ON COUNTERTOP
RH	ADA EXHAUST HOOD, SWITCH CONTROLS ARE WITHIN REACH RANGE IN "TYPE A" UNITS
WH	WATER HEATER
F	FURNACE

FIXTURE LEGEND

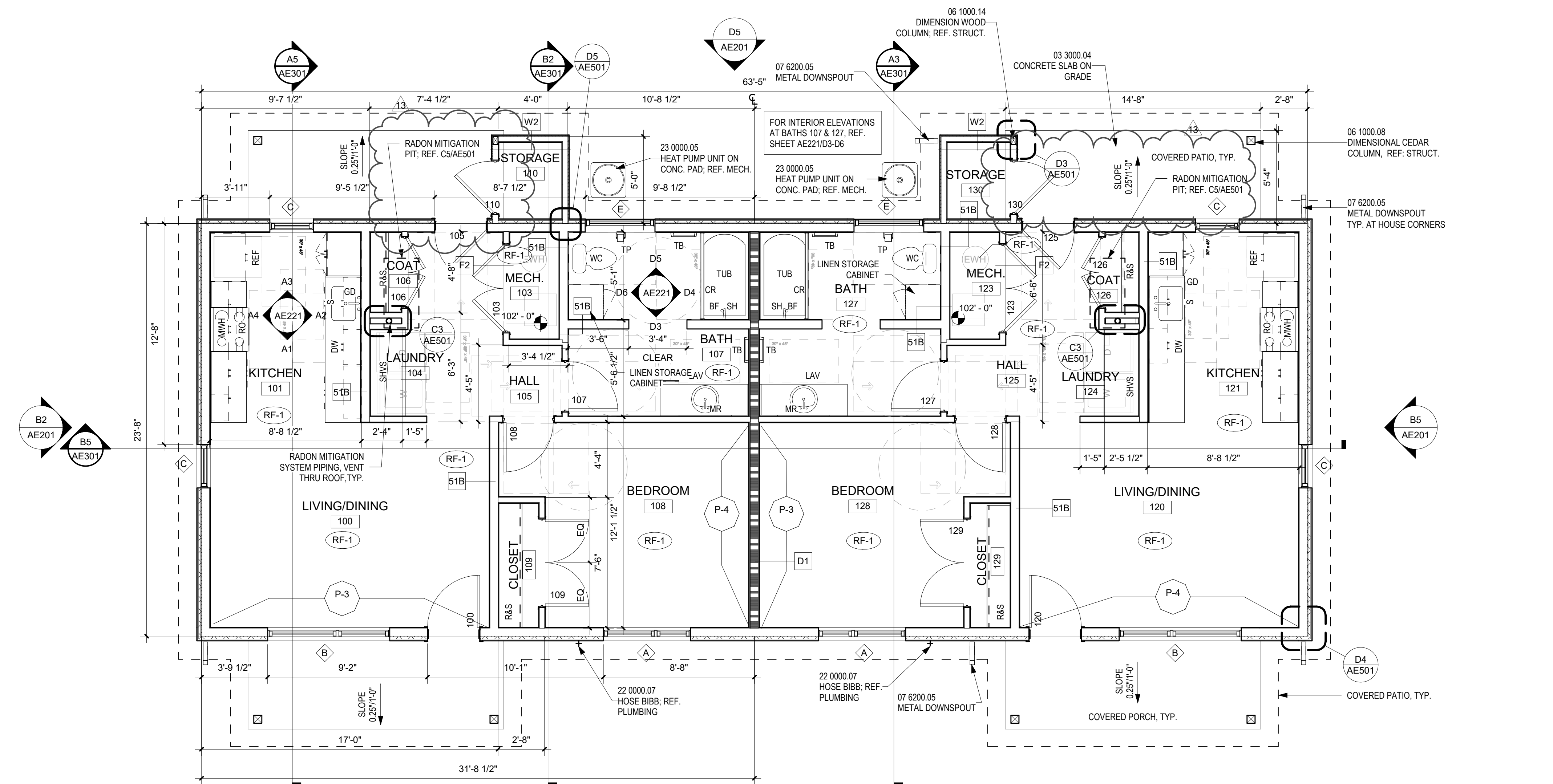
NOTE: REFER TO PLUMBING FIXTURE SCHEDULE FOR MANUFACTURER AND MODEL NUMBERS			
BF	BATH FAUCET	TUB	TUB & SHOWER, VERIFY DIMENSION PER UNIT
GD	GARBAGE DISPOSAL SWITCH	S	SINK
	CONTROLS ARE WITHIN REACH	ADA S	ADA SINK, COORDINATE PLUMBING WITH APRON CASEWORK
FD	FLOOR DRAIN		
LAV	LAVATORY	WC	WATER CLOSET
ADA LAV	ADA LAVATORY, COORDINATE PLUMBING WITH APRON CASEWORK	SHWR	SHOWER HEAD
RS	ROLL-IN SHOWER WITH TILE SURROUND	SS	SHOWER SEAT

LEGEND

XX-X	FLOOR MATERIAL: REFER TO FINISH LEGEND
I	FLOORING MATERIAL TRANSITION, TRANSITION STRIP REQUIRED, REF. AF621
XX-X	FLOORING PATTERN TRANSITION, NO TRANSITION STRIP REQUIRED
XX-X	SPECIALTY WALL FINISH, REFER TO FINISH LEGEND
	FLOORING DIRECTION
5'-0"	5'-0" DIAMETER TURNING RADIUS
	ACCESSIBILITY CLEAR SPACE AS INDICATED



C5 ROOF PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"



A5 FLOOR PLAN - 1BD/1BA DUPLEX - TYPE B
1/4" = 1'-0"

GENERAL SHEET NOTES

- A. REFERENCE SITE PLAN FOR LOCATIONS OF ADA-ACCESSIBLE HOUSING UNITS FOR EACH UNIT TYPE.
B. REFERENCE SITE PLAN FOR LOCATIONS OF HOUSING UNITS WITH PROVISIONS FOR THE HEARING IMPAIRED.
C. PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
D. PROVIDE BLOCKING AT ALL TOILET AND SHOWER LOCATIONS FOR SECURING GRAB BARS.
E. EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS.
F. INTERIOR WALLS TO BE TYPE S1A, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS.
G. AT EXTERIOR STORAGE ROOMS WHERE WALL TYPE S1B IS CALLED OUT, PROVIDE BATT INSULATION TO MATCH ADJACENT/ADJOINING EXTERIOR WALLS, TYP.
H. ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS.
I. DIVERT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT.
J. REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
K. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
L. DISHWASHER SHOWN FOR LOCATION AND REFERENCE ONLY. NOT IN CONTRACT.
M. CONTRACTOR TO SUPPLY AND INSTALL RANGE AND REFRIGERATOR ONLY. ALL OTHER APPLIANCES BY OWNER AND INSTALLED BY CONTRACTOR.
N. PROVIDE GAS LINE STUB OUT FOR RANGE AT ALL UNITS, TYP. REFER TO MECHANICAL.
O. ALL INTERIOR FINISHES FLAME SPREAD REQUIREMENTS SHALL BE IN COMPLIANCE WITH NFPA 5000 (2018), CHAPTER 10.2.
P. PAINT ALL GYP BOARD CEILINGS IN UNITS P-2, UNLESS NOTED OTHERWISE.
Q. PAINT ALL GYP BOARD WALLS IN UNITS P-1, UNLESS NOTED OTHERWISE.
R. ALL FINISH TRANSITIONS THAT OCCUR AT DOORWAYS TRANSITION MATERIAL AT CENTERLINE OF DOOR WHEN CLOSED.
S. ALL FLOORING TO RUN CONTINUOUSLY UNDER APPLIANCES AND AT OPEN CABINET CONDITIONS.
T. ALL GYP BOARD WALLS TO RECEIVE WB-1, UNLESS NOTED OTHERWISE.
U. SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY; TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION.
V. RADON MITIGATION SYSTEM UNDERSLAB ASSEMBLY WITH GRAVEL PITS AND 6" DIA. VERTICAL VENT PIPING BY CONTRACTOR, OVER 4" GRAVEL BASE. REF. STRUCTURAL FOR SLAB-ON-GRADE DETAILS.
W. COORDINATE RADON PIPING LOCATIONS PRIOR TO PLACING SLAB. PROVIDE GFCI IN ATTIC FOR FUTURE ACTIVE SYSTEM.
X. AT MECHANICAL ROOM, PROVIDE ELEVATED BASE @ 16" O.C. FOR WATER HEATER AND FURNACE CONSISTING OF 2x6 FRAMING (AT 16" O.C.) & PLYWOOD DECKING.
Y. FOR MAINTENANCE, PROVIDE ACCESS PANEL TO FLOOR DRAIN/SINK AT MECH. ROOM.

REFERENCE KEYNOTES

03 3000.04	CONCRETE SLAB ON GRADE
06 1000.08	DIMENSIONAL CEDAR COLUMN, REF. STRUCT.
06 1000.14	DIMENSION WOOD COLUMN, REF. STRUCT.
07 4646.08	FIBER CEMENT SOFFIT BOARD
07 6200.04	METAL GUTTER
07 6200.05	METAL DOWNSPOUT
22 0000.07	HOSE BIBB, REF. PLUMBING
23 0000.05	HEAT PUMP UNIT ON CONC. PAD, REF. MECH.

EXTERIOR WALL TYPES

REFERENCE SHEET G1000

W1	EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAP/PAPER (SEAL ALL SEAMS) ON 7/16" OSB SHEATHING ON 2x4 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR.
W2	EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAP/PAPER (SEAL ALL SEAMS) ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C. WITH 1/2" GYPSUM BOARD ON INTR. TYPE W2A - SAME AS W2 EXCEPT NO GYPSUM BOARD

INTERIOR WALL TYPES

REFERENCE SHEET G1000

D1	INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - (UL U340) ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" CLARK DIETRICH RC DELUXE RESILIENT CHANNEL (@ 24" O.C.) ONE SIDE ON 2x4 STUDS (@ 24" O.C.) STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.), UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH 5/8" TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE.
S1A	INTERIOR PARTITION WALL (NON-LOAD-BEARING) (1) LAYER(S) 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER TYPE S1B - SAME AS S1A EXCEPT 2x6 STUDS TYPE S2A - SAME AS S1A EXCEPT GYPSUM BOARD ONE SIDE ONLY. TYPE S2C - SAME AS S2A EXCEPT 2x2 STUDS
S2A	INTERIOR PARTITION WALL (NON-LOAD-BEARING) ONE LAYER(S) 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER TYPE S2B - SAME AS S2A EXCEPT 2x6 STUDS

ROOF TYPES

R1	ROOF ASSEMBLY - NON RATED PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAMENT ON 2x FRAMED ROOF TRUSSES (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-38 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR.
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FLOOR TYPES

F1	FLOOR ASSEMBLY 4" CONCRETE SLAB (PER STRUCTURAL) ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE. NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION.
F2	FLOOR ASSEMBLY 3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS.

GENERAL LEGEND

CR	SHOWER CURTAIN ROD
GBXX	GRAB BAR PER ANSI A117.1 XX INDICATES WIDTH
MR	MIRROR, FULL WIDTH OF VANITY COUNTERTOP
R&S	ROD & SHELF - WIRE CLOSET SHELVING
RH	ROBE HOOK
SHVS	SHELF - WIRE CLOSET SHELVING
TB	TOWEL BAR
TP	TOILET PAPER DISPENSER
WS	WORK SURFACE, 30" WIDE MINIMUM CLEARANCE

APPLIANCE LEGEND

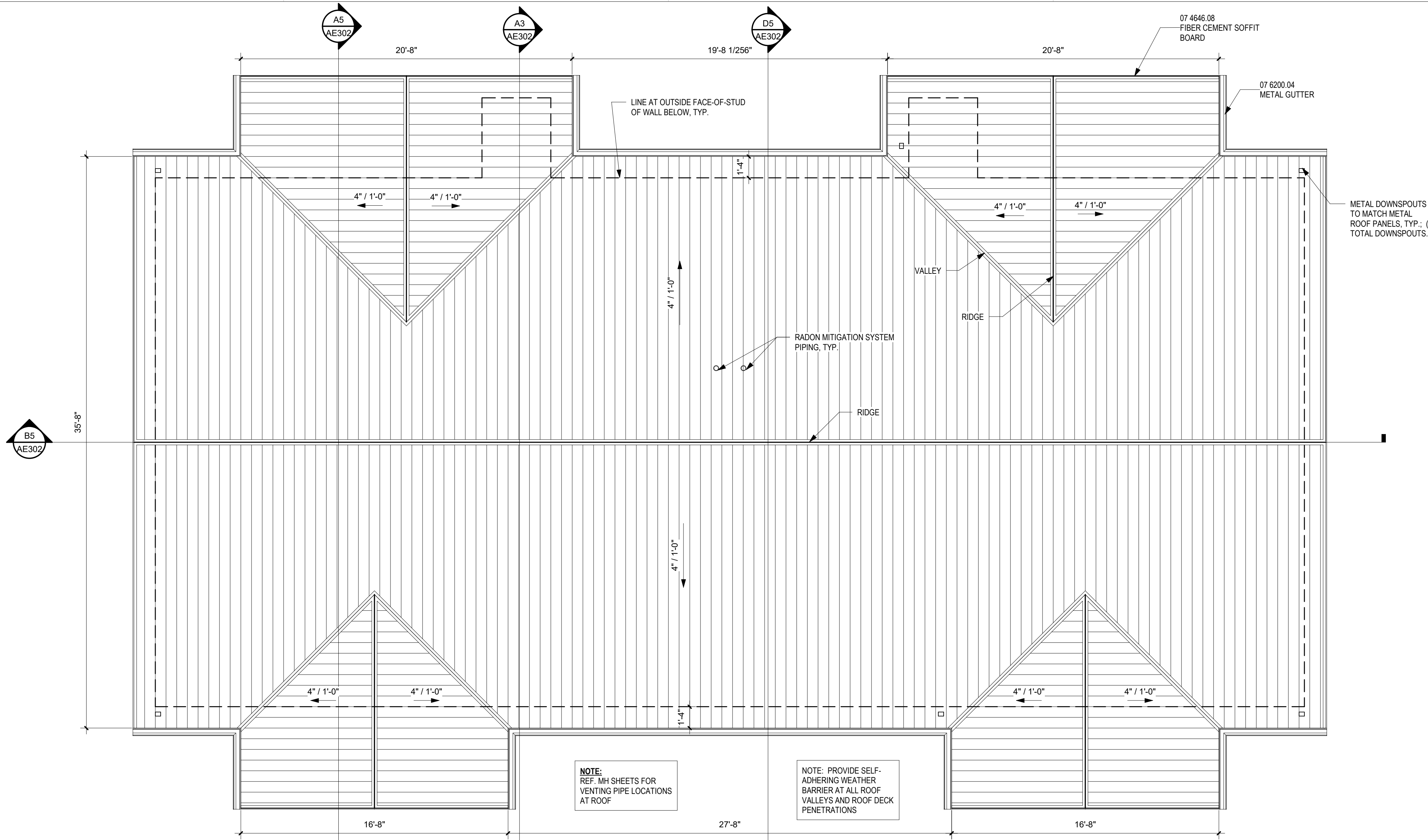
ADA DW	ADA DISHWASHER
DW	DISHWASHER
ADA REF	ADA REFRIGERATOR
REF	REFRIGERATOR
ADA RO	ADA ELECTRIC RANGE/ OVEN
RO	RANGE/ OVEN
W	WASHER
D	DRYER
MIC	MICROWAVE (ADA) ON COUNTERTOP
RH	ADA EXHAUST HOOD, SWITCH CONTROLS ARE WITHIN REACH RANGE IN "TYPE A" UNITS
WH	WATER HEATER
F	FURNACE

FIXTURE LEGEND

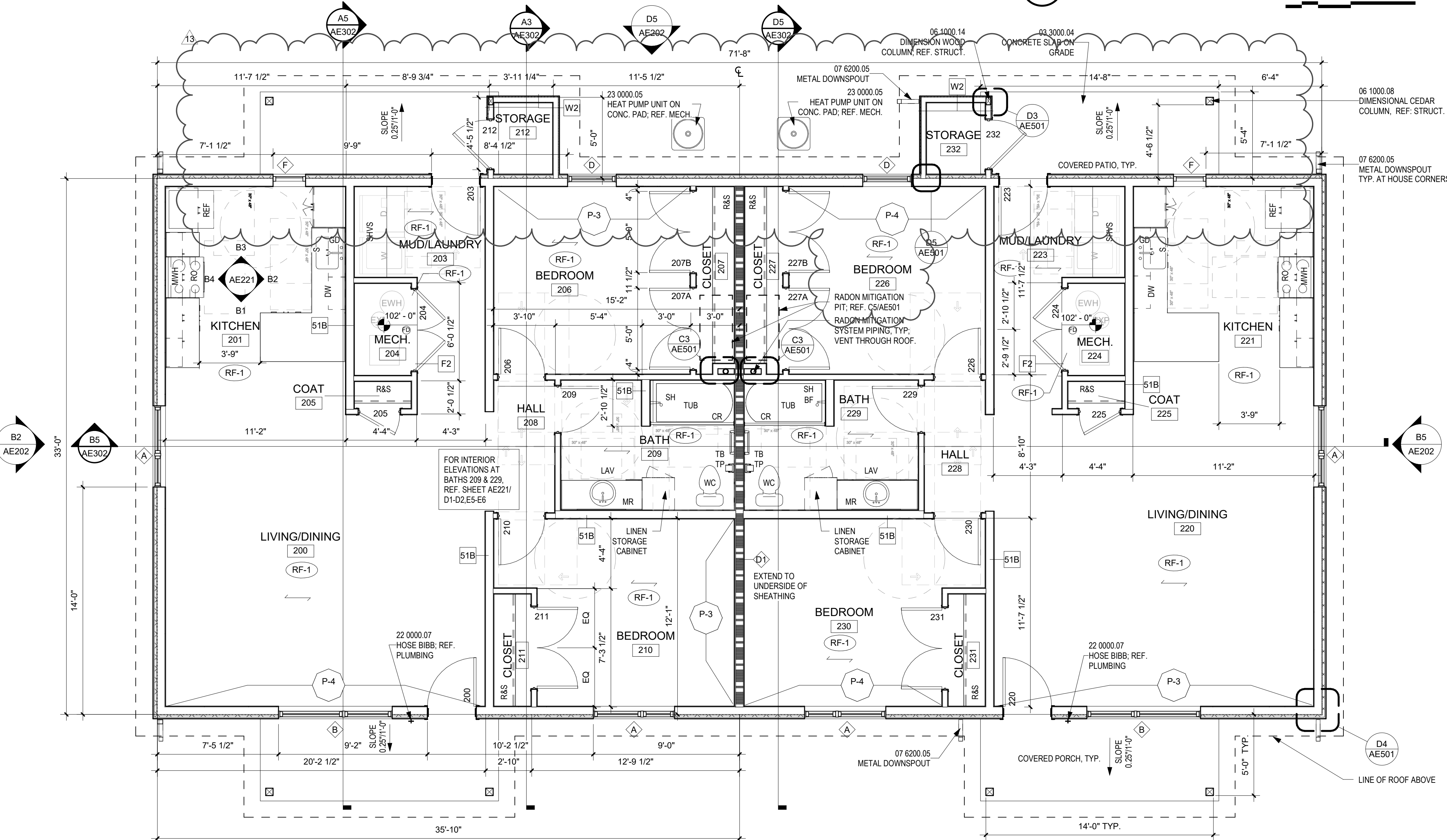
NOTE:	REFER TO PLUMBING FIXTURE SCHEDULE FOR MANUFACTURER AND MODEL NUMBERS
BF	BATH FAUCET
GD	GARBAGE DISPOSAL SWITCH
FD	FLOOR DRAIN
LAV	LAVATORY
ADA LAV	ADA LAVATORY, COORDINATE PLUMBING WITH APRON CASEWORK
RS	ROLL-IN SHOWER WITH TILE SURROUND
TUB	TUB & SHOWER, VERIFY DIMENSION PER UNIT
S	SINK
ADA S	ADA SINK, COORDINATE PLUMBING WITH APRON CASEWORK
WC	WATER CLOSET
SH	SHOWER
SHWR	SHOWER SEAT

LEGEND

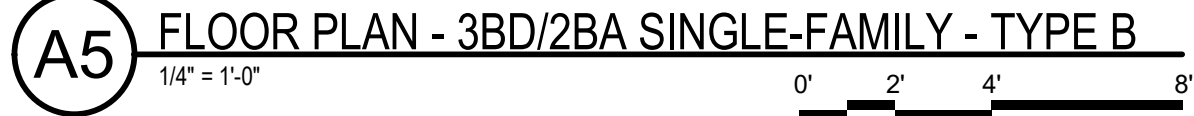
XX-X	FLOOR MATERIAL, REFER TO FINISH LEGEND
-I-	FLOORING MATERIAL TRANSITION, TRANSITION STRIP REQUIRED, REF. AF621
-X-X-	FLOORING PATTERN TRANSITION, NO TRANSITION STRIP REQUIRED
XX-X	SPECIALTY WALL FINISH, REFER TO FINISH LEGEND
->	FLOORING DIRECTION
5'-0"	5'-0" DIAMETER TURNING RADIUS
[]	ACCESSIBILITY CLEAR SPACE AS INDICATED



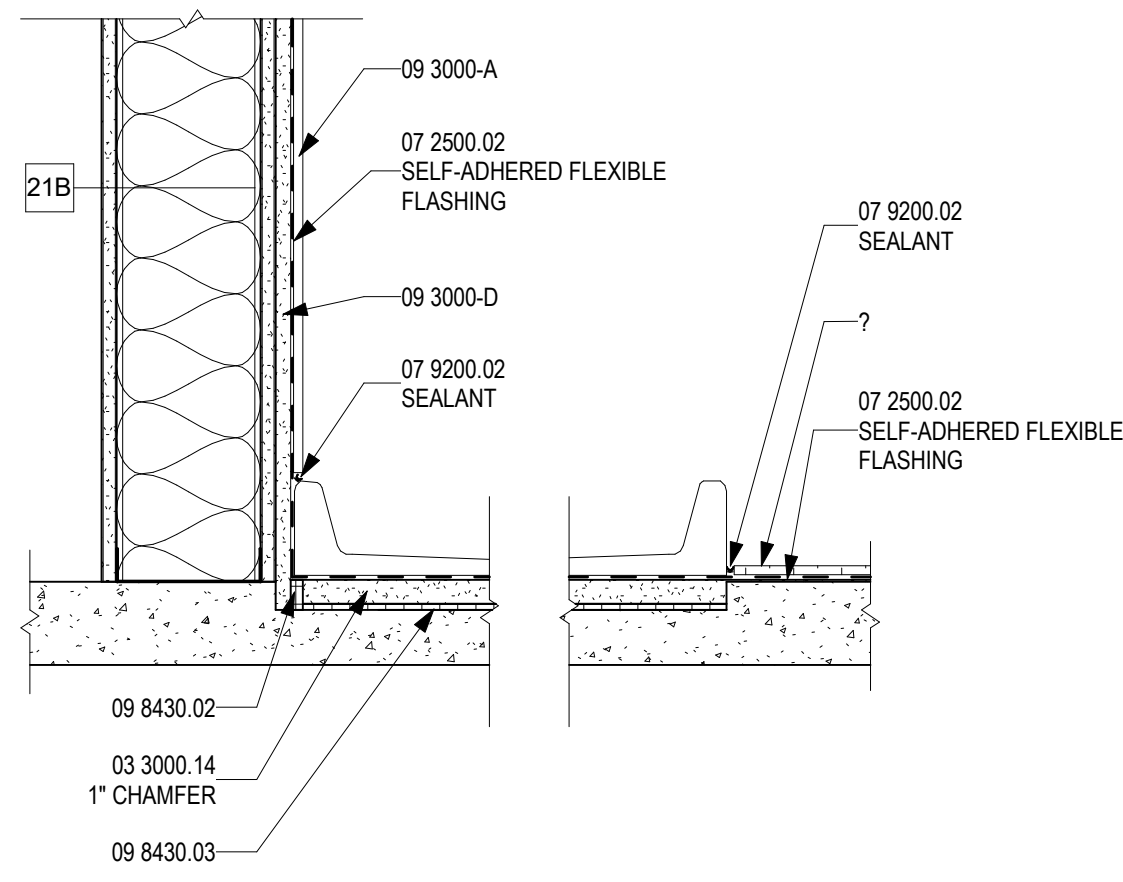
C5 ROOF PLAN - 2BD/1BA DUPLEX
1/4" = 1'-0"



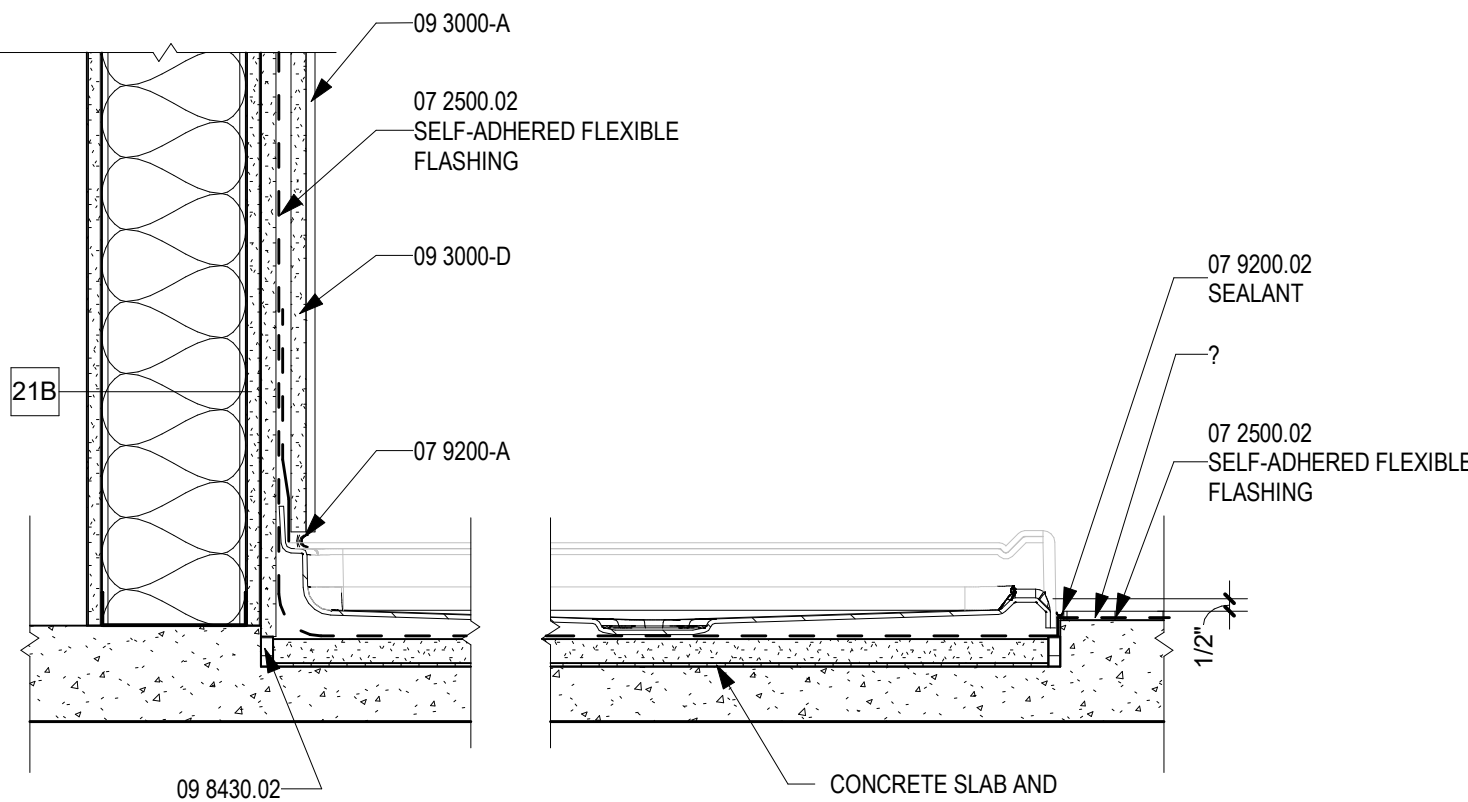
A5 FLOOR PLAN - 2BD/1BA DUPLEX - TYPE B
1/4" = 1'-0"



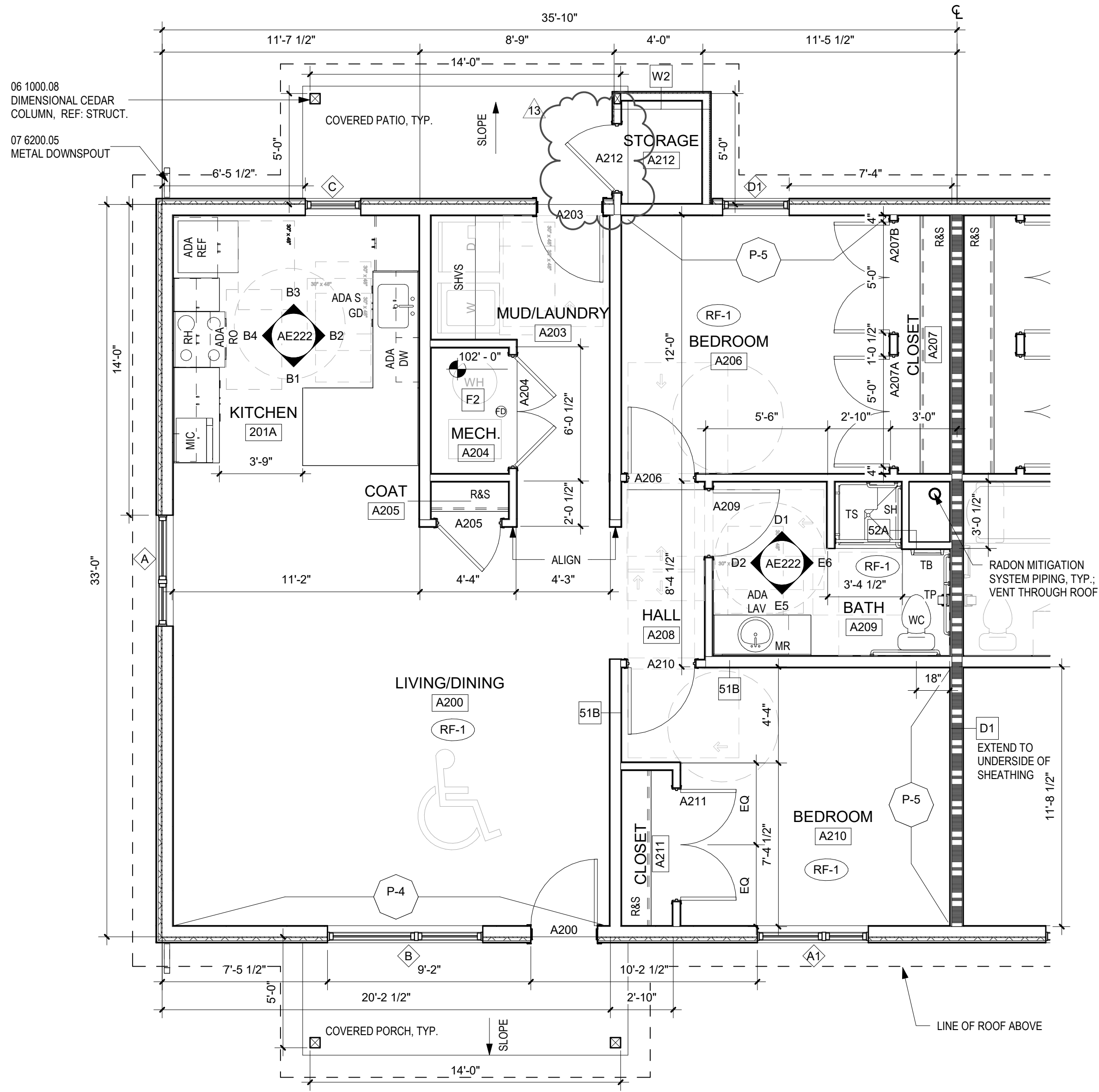
DEKKER PERICH SABATINI	
ARCHITECTURE DESIGN INSPIRATION	
SEAL	
PROJECT	
BID PACKAGE #4 - TEACHERAGES	
Lukachukai Community Schools Intersection IR 12 and IR 13 Lukachukai, AZ 86507	
100% SUBMITTAL	
REVISIONS	
△	01/06/21 ASI-001T
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DRAWN BY AW	
REVIEWED BY RW/JM	
DATE 12.10.2020	
PROJECT NO 20-7002.005	
DRAWING NAME	
3BD/2BA SINGLE-FAMILY - PLANS	
SHEET NO	
AE103	



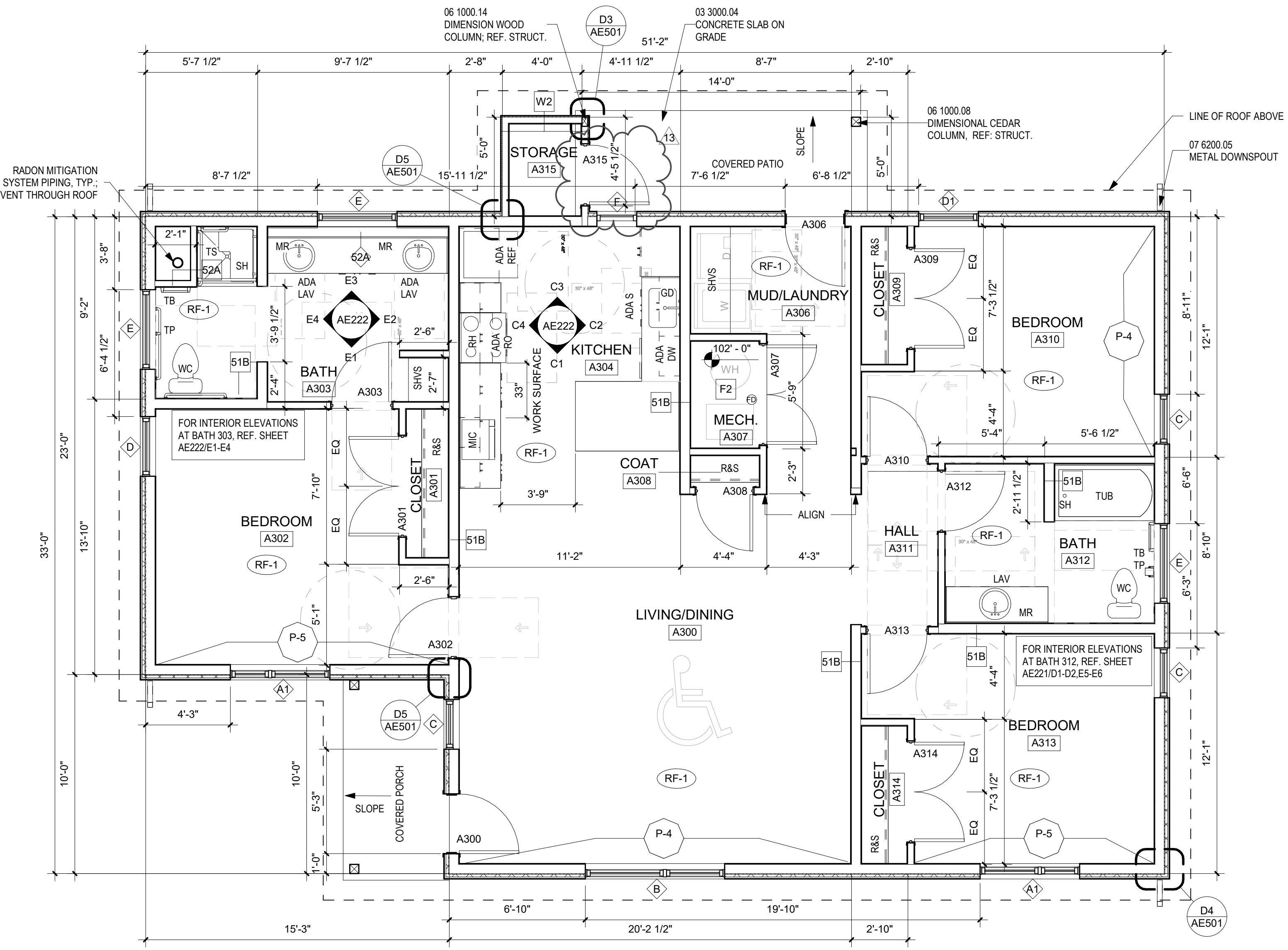
D1 DETAIL - SHOWER BASE, TYP.
1 1/2" = 1'-0"



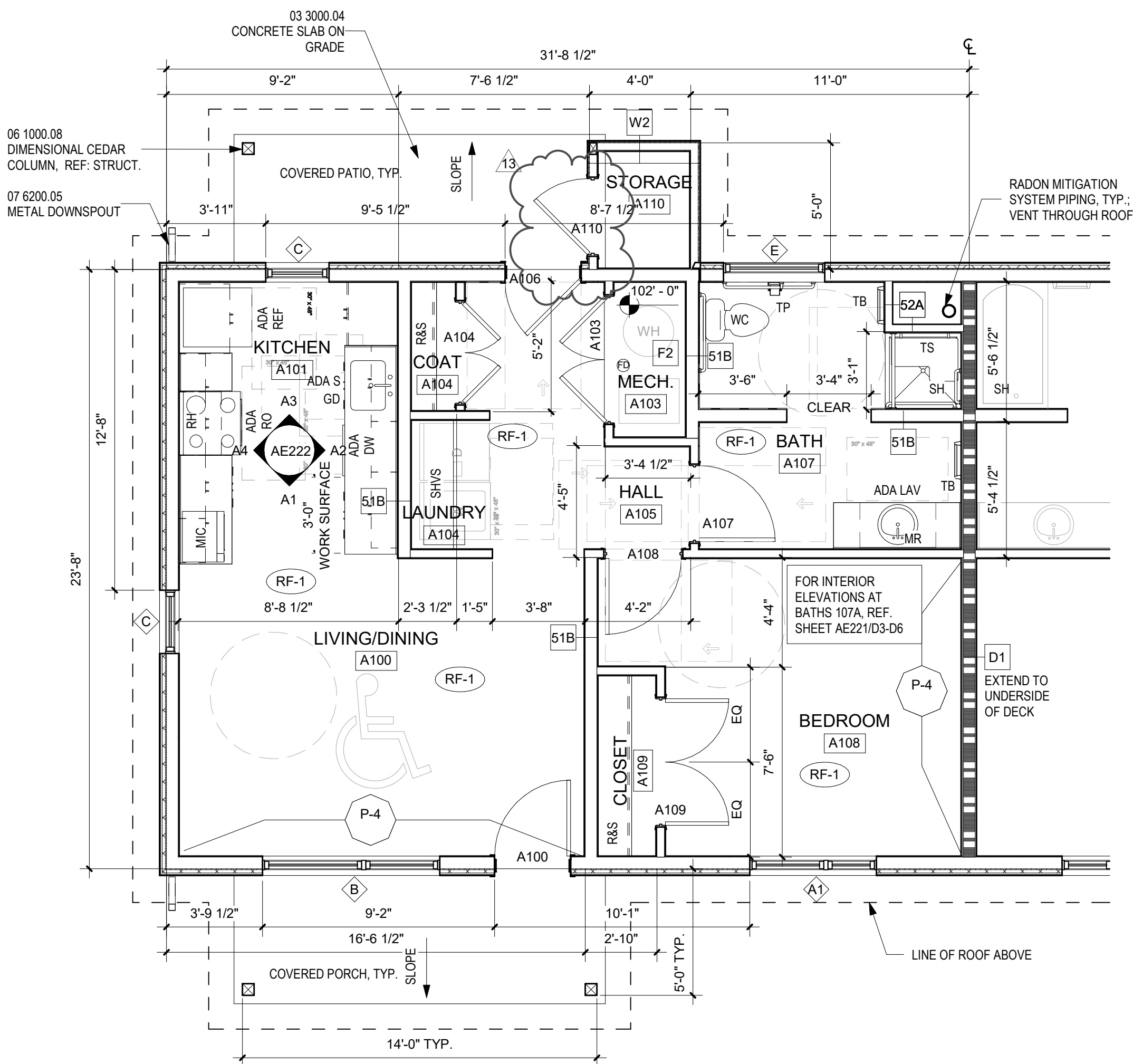
C1 DETAIL - ROLL IN SHOWER BASE, TYP.
1 1/2" = 1'-0"



A1 FLOOR PLAN - 2BD/1BA DUPLEX
1/4" = 1'-0"



C5 FLOOR PLAN - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"



A5 FLOOR PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"

GENERAL SHEET NOTES

- REFERENCE SITE PLAN FOR LOCATIONS OF ADA-ACCESSIBLE HOUSING UNITS FOR EACH UNIT TYPE.
- REFERENCE SITE PLAN FOR LOCATIONS OF HOUSING UNITS WITH PROVISIONS FOR THE HEARING IMPAIRED.
- PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
- PROVIDE BLOCKING AT ALL TOILET AND SHOWER LOCATIONS FOR SECURING GRAB BARS.
- EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS.
- INTERIOR WALLS TO BE TYPE S1A, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS.
- AT EXTERIOR STORAGE ROOMS WHERE WALL TYPE S1B IS CALLED OUT, PROVIDE BATT INSULATION TO MATCH ADJACENT/JOINING EXTERIOR WALLS, TYP.
- ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS.
- DIVERT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT.
- REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
- DISHWASHER SHOWN FOR LOCATION AND REFERENCE ONLY. NOT IN CONTRACT.
- CONTRACTOR TO SUPPLY AND INSTALL RANGE AND REFRIGERATOR ONLY. ALL OTHER APPLIANCES BY OWNER AND INSTALLED BY CONTRACTOR.
- PROVIDE GAS LINE STUB OUT FOR RANGE AT ALL UNITS, TYP. REFER TO MECHANICAL 5000 (01/18), CHAPTER 10.2.
- ALL INTERIOR FINISHES FLAME SPREAD REQUIREMENTS SHALL BE IN COMPLIANCE WITH NFPA 700 (01/18), CHAPTER 10.2.
- P. PAINT ALL GYP. BOARD CEILINGS IN UNITS P-2, UNLESS NOTED OTHERWISE.
- Q. PAINT ALL GYP. BOARD WALLS IN UNITS P-1, UNLESS NOTED OTHERWISE.
- R. ALL FINISH TRANSITIONS THAT OCCUR AT DOORWAYS TRANSITION MATERIAL AT CENTERLINE OF DOOR WHEN CLOSED.
- S. ALL FLOORING TO RUN CONTINUOUSLY UNDER APPLIANCES AND AT OPEN CABINET CONDITIONS ALL GYP. BOARD WALLS TO RECEIVE WB-1, UNLESS NOTED OTHERWISE.
- U. SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY. TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION.
- V. RADON MITIGATION SYSTEM UNDERSLAB ASSEMBLY WITH GRAVEL, PITS AND FDM, VERTICAL VENT PIPING BY CONTRACTOR, OVER 4" GRAVEL BASE. REF. STRUCTURAL FOR SLAB-ON-GRADE DETAILS.
- W. COORDINATE RADON PIPING LOCATIONS PRIOR TO PLACING SLAB. PROVIDE GFCI IN ATTIC FOR FUTURE ACTIVE SYSTEM.
- X. AT MECHANICAL ROOM, PROVIDE ELEVATED BASE @ TBASE + 2'-0" A.F.F. FOR WATER HEATER AND FURNACE CONSISTING OF 2x6 FRAMING (AT 16" O.C.) & PLYWOOD DECKING.
- Y. FOR MAINTENANCE, PROVIDE ACCESS PANEL TO FLOOR DRAIN/SINK AT MECH. ROOM.

REFERENCE KEYNOTES

- 03 3000.04 CONCRETE SLAB ON GRADE
03 3000.14 1" CHAMFER
06 1000.08 DIMENSIONAL CEDAR COLUMN, REF. STRUCT.
06 1000.14 DIMENSIONAL CEDAR COLUMN, REF. STRUCT.
07 2500.02 SELF-ADHERED FLEXIBLE FLASHING
07 6200.05 METAL DOWNSPOUT
07 9200-A
07 9200.02 SEALANT
09 3000-A
09 3000-D
09 8430.02
09 8430.03

EXTERIOR WALL TYPES

REFERENCE SHEET G1000

W1

EXTERIOR WALL (LOAD-BEARING)
FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAP/PAPER (SEAL ALL SEAMS) ON 7/16" OSB SHEATHING ON 2x4 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR.

W2

EXTERIOR WALL (LOAD-BEARING)
FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAP/PAPER (SEAL ALL SEAMS) ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C., WITH 1/2" GYPSUM BOARD ON INTX.
TYPE W2A - SAME AS W2 EXCEPT NO GYPSUM BOARD

INTERIOR WALL TYPES

REFERENCE SHEET G1000

D1

INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - (UL 1349) ONE LAYER S1B TYPE "X" GYPSUM BOARD ON 1/2" CLARK DIETRICH RC DELUXE RESILIENT CHANNEL (@ 24" O.C.), ONE SIDE ON 2x4 STUDS (@ 24" O.C.) STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.), UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH S1B TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE.

S1A

INTERIOR PARTITION WALL (NON-LOAD BEARING)
(1) LAYER(S) 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER
TYPE S1B - SAME AS S1A EXCEPT 2x6 STUDS
TYPE S2A - SAME AS S1A EXCEPT GYPSUM BOARD ONE SIDE ONLY.
TYPE S2C - SAME AS S2A EXCEPT 2x2 STUDS

S2A

INTERIOR PARTITION WALL (NON-LOAD BEARING)
ONE LAYER(S) 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER
TYPE S2B - SAME AS S2A EXCEPT 2x6 STUDS

ROOF TYPES

R1

ROOF ASSEMBLY - NON RATED
PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAYMENT ON 2x4 FRAMED ROOF TRUSS (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-38 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR.

FLOOR TYPES

F1

FLOOR ASSEMBLY
4" CONCRETE SLAB (PER STRUCTURAL) ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE.
NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION.

F2

FLOOR ASSEMBLY
3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS.

GENERAL LEGEND

- CR SHOWER CURTAIN ROD
GBX GRAB BAR PER ANSI A117.1 XX INDICATES WIDTH
MR MIRROR, FULL WIDTH OF VANITY COUNTERTOP
R&S ROD & SHELF - WIRE CLOSET SHELVING
RH ROBE HOOK
SHS SHELF - WIRE CLOSET SHELVING
TB TOWEL BAR
TP TOILET PAPER DISPENSER
WS WORK SURFACE, 30" WIDE MINIMUM CLEARANCE

APPLIANCE LEGEND

- ADA DW ADA DISHWASHER
DW DISHWASHER
ADA REF ADA REFRIGERATOR
REF REFRIGERATOR
ADA RO ADA ELECTRIC RANGE/OVEN
RO RANGE/OVEN
W WASHER
D DRYER
MIC MICROWAVE (ADA) ON COUNTERTOP
ADA EXH ADA EXHAUST HOOD, SWITCH CONTROLS ARE WITHIN REACH RANGE IN "TYPE A" UNITS
WH WATER HEATER
F FURNACE

FIXTURE LEGEND

- NOTE: REFER TO PLUMBING FIXTURE SCHEDULE FOR MANUFACTURER AND MODEL NUMBERS
- | | |
|---|---|
| BF BATH FAUCET | TUB TUB & SHOWER, VERIFY DIMENSION PER UNIT |
| GD GARBAGE DISPOSAL SWITCH | S SINK |
| ADA S ADA SINK, COORDINATE PLUMBING WITH APRON CASEWORK | |
| FD FLOOR DRAIN | WC WATER CLOSET |
| LAV LAVATORY | ADA LAVATORY, COORDINATE SH |
| ADA LAV ADA LAVATORY, COORDINATE SH | SHR SHOWER |
| RS ROLL-IN SHOWER WITH TILE SURROUND | SS SHOWER SEAT |

LEGEND

- XX-X FLOOR MATERIAL: REFER TO FINISH LEGEND
-I- FLOORING MATERIAL TRANSITION, TRANSITION STRIP REQUIRED, REF. AF621
-I- FLOORING PATTERN TRANSITION, NO TRANSITION STRIP REQUIRED
XX-X SPECIALTY WALL FINISH, REFER TO FINISH LEGEND
FLOORING DIRECTION
5'-0" DIAMETER TURNING RADIUS
ACCESSIBILITY CLEAR SPACE AS INDICATED

DEKKER
PERICH
SABATINI

ARCHITECTURE
DESIGN
INSPIRATION

SEAL

PROJECT

BID PACKAGE #4 - TEACHERAGES

Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100% SUBMITTAL

REVISIONS

01/06/21 ASI-601T

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△

DRAWN BY AW

REVIEWED BY RW/JM

DATE 12.10.2020

PROJECT NO 20-7002.005

DRAWING NAME

TYPE 'A' UNITS -
FLOOR PLANS

SHEET NO

AE104

GENERAL SHEET NOTES

- A. REFER TO SHEET AE001 FOR EXPLANATION OF ENCLOSURE ASSEMBLIES.
B. REFER TO SHEET AE002 FOR ENCLOSURE CONTINUITY FOR CONTROL LAYER CONTINUITY INTENT.
C. PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
D. EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS.
E. INTERIOR WALLS TO BE TYPE S1A, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS.
F. ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS.
G. AT BUILDING SECTIONS, ROOF TRUSS LOCATIONS SHOWN FOR REFERENCE ONLY. REFERENCE STRUCTURAL DRAWINGS FOR ACTUAL ROOF TRUSS LOCATIONS.
H. AT BUILDING SECTIONS, ROOF TRUSS DIAGONALS SHOWN FOR REFERENCE ONLY. ACTUAL ROOF TRUSS DIAGONALS TO BE DETERMINED BY MANUFACTURER.
I. DIVERT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT.
J. REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
K. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
L. SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY. TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION.
M. FOR WINDOW TYPES A, A1 & B, VERIFY FIXED WINDOW SIDE PER ELEVATIONS AND PLANS.
N. PROVIDE R-8 BLANKET INSULATION OVER FIRE SPRINKLER SYSTEM AND DUCTWORK.
O. ALL EXTERIOR DOORS AND OPERABLE WINDOWS TO RECEIVE WEATHERSTRIPPING AND SEALED.
P. INSTALL INSULATION TO BE INSTALLED TO RESNET GRADE 1 STANDARDS.
Q. DUCTS, FLUES, SHAFTS, PLUMBING, PIPING, WIRING, EXHAUST FANS, & OTHER PENETRATIONS TO UNCONDITIONED SPACE SEALED, WITH BLOCKING / FLASHING AS NECESSARY.

REFERENCE KEYNOTES

03 3000.04	CONCRETE SLAB ON GRADE
06 1000.07	DIMENSIONAL CEDAR LINTEL, REF. STRUCT.
06 1000.08	DIMENSIONAL CEDAR COLUMN, REF. STRUCT.
07 4646.03	FIBER CEMENT TRIM
07 4646.06	FIBER CEMENT FASCIA BOARD
07 6200.04	METAL GUTTER
07 6200.05	METAL DOWNSPOUT
22 0000.07	HOSE BIBB, REF. PLUMBING

EXTERIOR WALL TYPES

REFERENCE SHEET G1000

W1

EXTERIOR WALL (LOAD-BEARING)
FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAP/ PAPER SEAL. ALL SEAMS ON 1/4" OSB SHEATHING ON 2x6 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR.

W2

EXTERIOR WALL (LOAD-BEARING)
FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAP/PAPER SEAL. ALL SEAMS ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C., WITH 1/2" GYPSUM BOARD ON INT'R.
TYPE W2A: SAME AS W2 EXCEPT NO GYPSUM BOARD

INTERIOR WALL TYPES

REFERENCE SHEET G1000

D1

INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - ULL U340
ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" CLARK DIETRICH RC DELUXE RESISTENT CHANNEL (@ 24" O.C.) ONE SIDE ON 2x4 STUDS (@ 24" O.C.) STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.) UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH 5/8" TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE.

S1A

INTERIOR PARTITION WALL (NON-LOAD-BEARING)
(1) LAYERS: 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER.
TYPE S1B: SAME AS S1A EXCEPT 2x6 STUDS
TYPE S2A: SAME AS S1A EXCEPT GYPSUM BOARD ONE SIDE ONLY.
TYPE S2C: SAME AS S2A EXCEPT 2x2 STUDS

S2A

INTERIOR PARTITION WALL (NON-LOAD-BEARING)
ONE LAYER(S) 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER.
TYPE S2B: SAME AS S2A EXCEPT 2x6 STUDS

ROOF TYPES

R1

ROOF ASSEMBLY - NON RATED
PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAYMENT ON 2x4 FRAMED ROOF TRUSS (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-48 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR.

FLOOR TYPES

F1

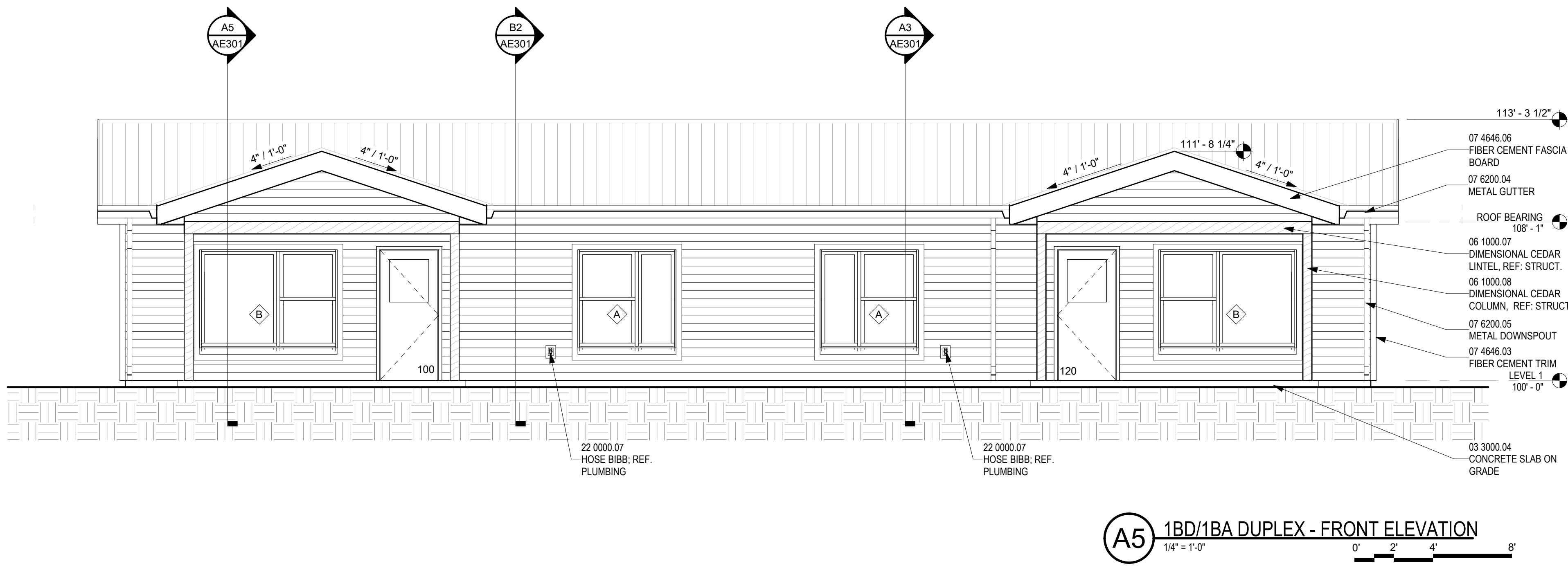
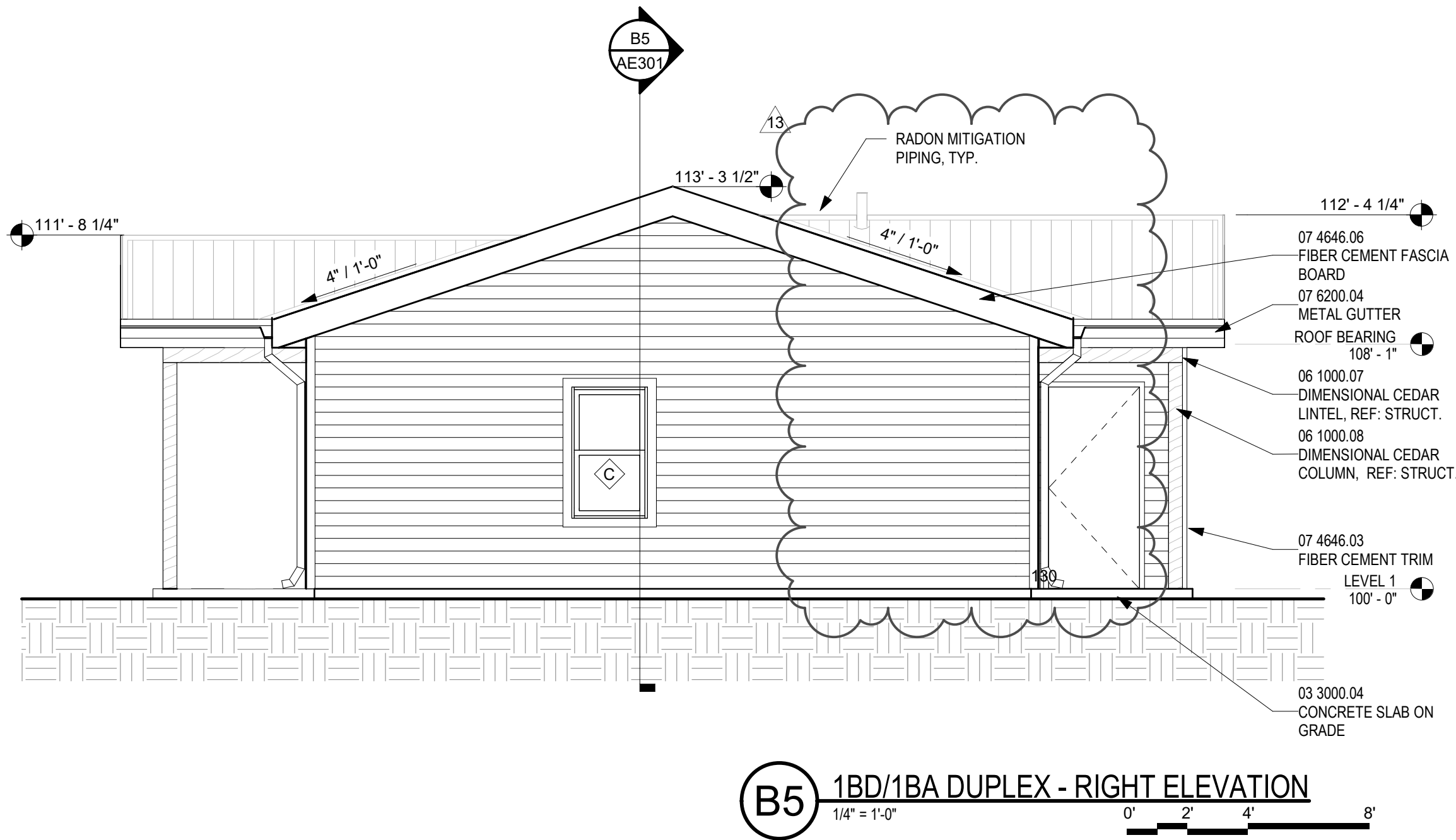
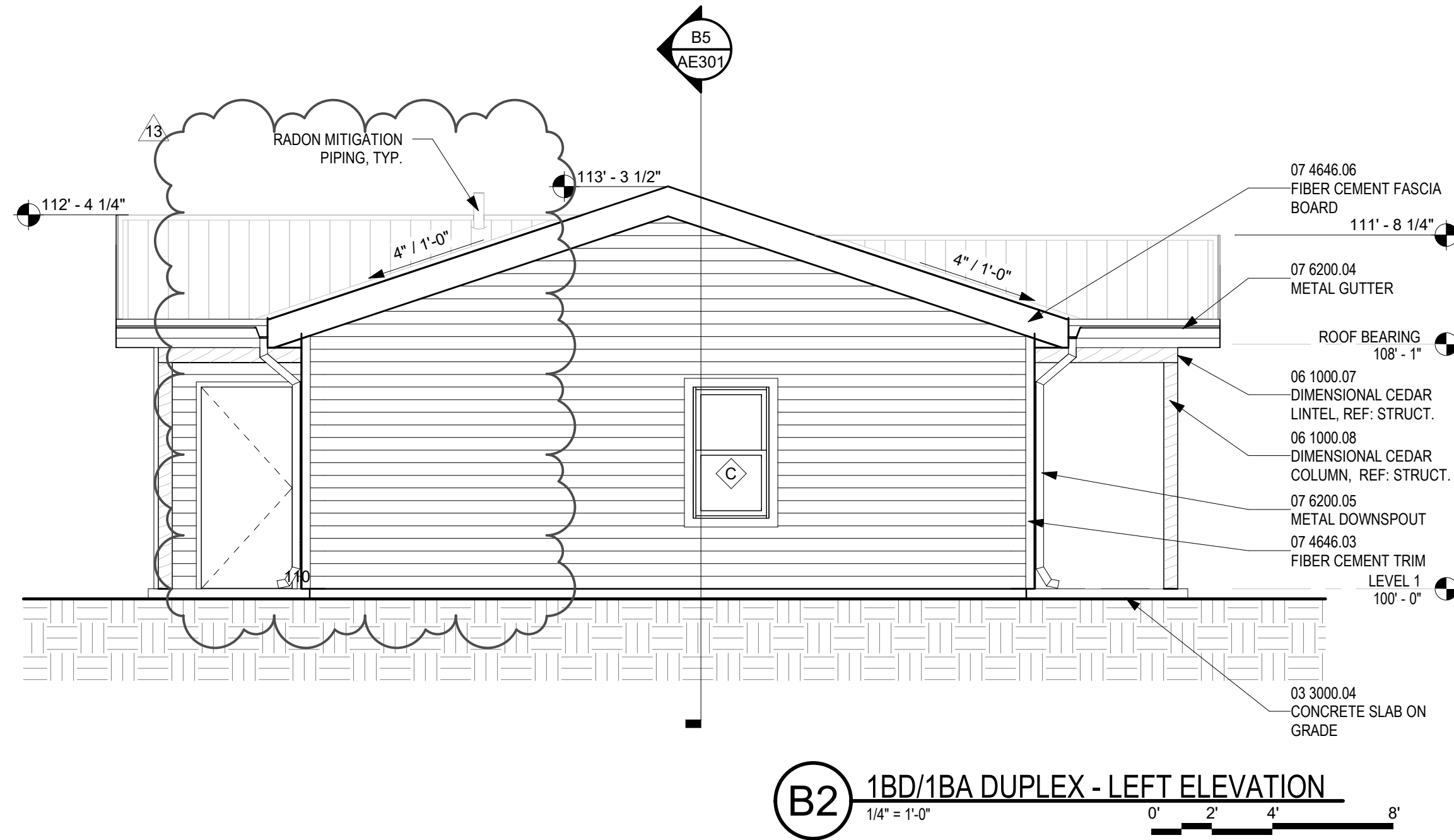
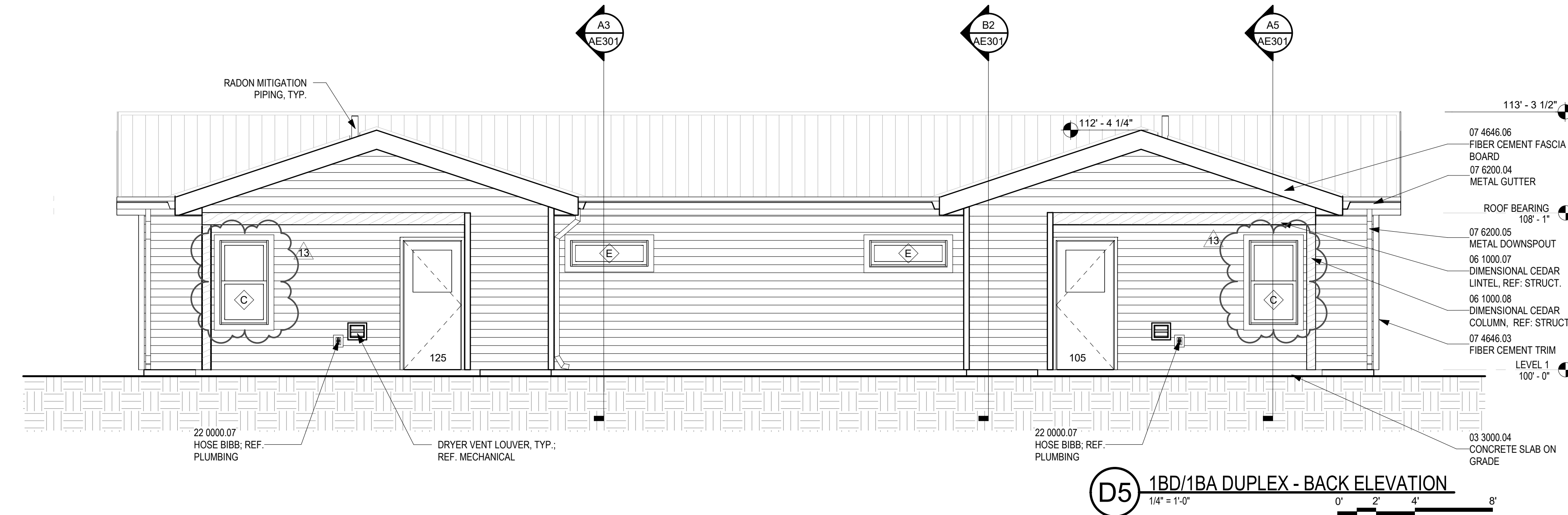
FLOOR ASSEMBLY
4" CONCRETE SLAB (PER STRUCTURAL) ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE.
NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION.

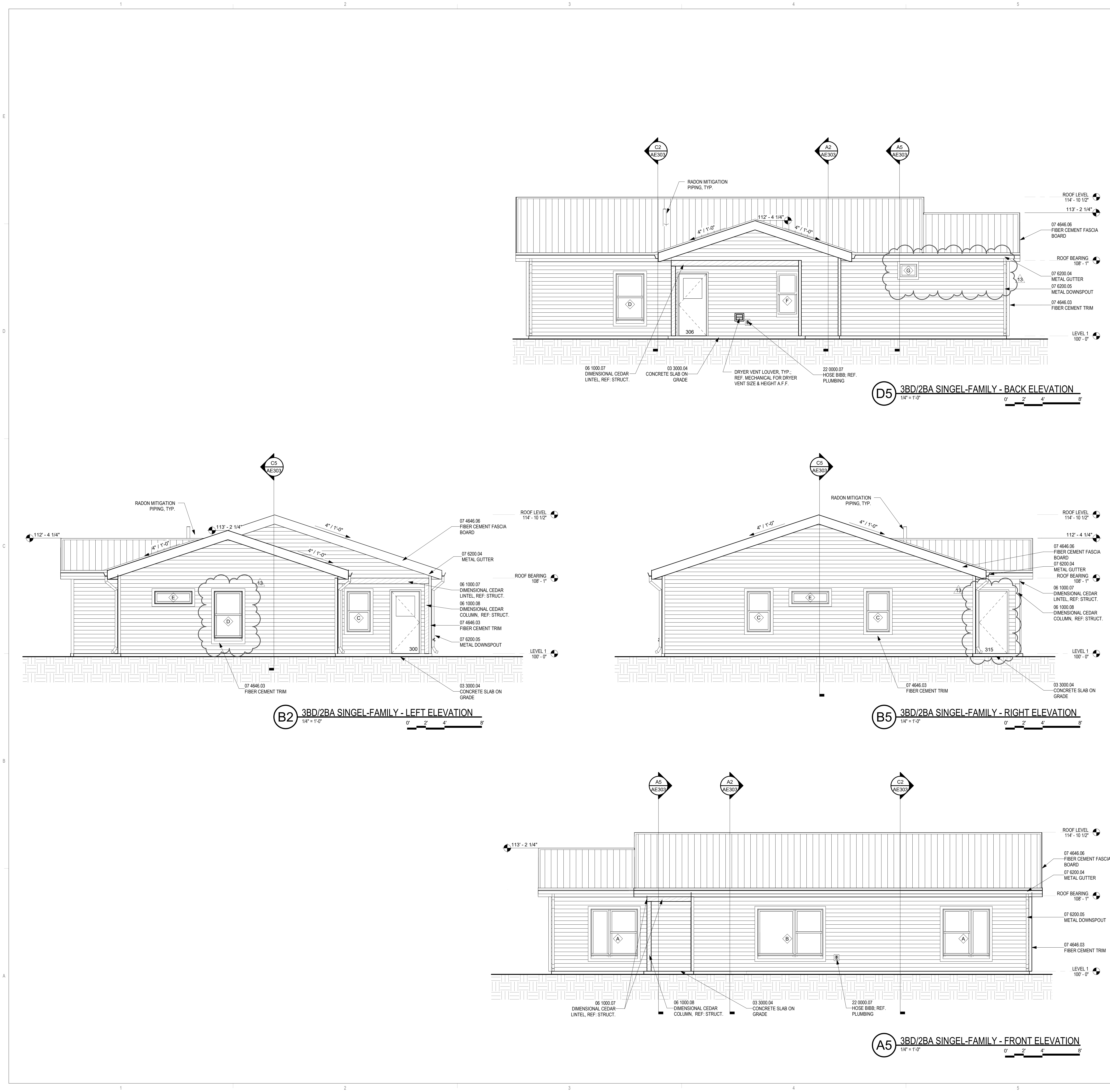
F2

FLOOR ASSEMBLY
3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS.

LEGEND

	CEMENT FIBER HORIZONTAL LAP SIDING (6" EXPOSURE)
	WOOD, CEDAR
	ROOFING, METAL PANEL





GENERAL SHEET NOTES	
A. REFER TO SHEET AE001 FOR EXPLANATION OF ENCLOSURE ASSEMBLIES. B. REFER TO SHEET AE002 FOR ENCLOSURE CONTINUITY FOR CONTROL LAYER CONTINUITY INTENT. C. PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS. D. EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS. E. INTERIOR WALLS TO BE TYPE S1A, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS. F. ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS. G. AT BUILDING SECTIONS, ROOF TRUSS LOCATIONS SHOWN FOR REFERENCE ONLY. REFERENCE STRUCTURAL DRAWINGS FOR ACTUAL ROOF TRUSS LOCATIONS. H. AT BUILDING SECTIONS, ROOF TRUSS DIAGONALS SHOWN FOR REFERENCE ONLY. ACTUAL ROOF TRUSS DIAGONALS TO BE DETERMINED BY MANUFACTURER. I. DIVERT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT. J. REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS. K. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS. L. SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY. TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION. M. FOR WINDOW TYPES A, A1 & B, VERIFY FIXED WINDOW SIDE PER ELEVATIONS AND PLANS. N. PROVIDE R-5 BLANKET INSULATION OVER FIRE SPRINKLER SYSTEM AND DUCTWORK. O. ALL EXTERIOR DOORS AND OPERABLE WINDOWS TO RECEIVE WEATHERSTRIPPING AND SEALED. P. INSTALL INSULATION TO BE INSTALLED TO RESNET GRADE 1 STANDARDS. Q. DUCTS, FLUES, SHAFTS, PLUMBING, PIPING, WIRING, EXHAUST FANS, & OTHER PENETRATIONS TO UNCONDITIONED SPACE SEALED, WITH BLOCKING / FLASHING AS NECESSARY.	
REFERENCE KEYNOTES	
03 3000.04 06 1000.07 06 1000.08 07 4646.03 07 4646.06 07 6200.04 07 6200.05 22 0000.07	CONCRETE SLAB ON GRADE DIMENSIONAL CEDAR LINTEL, REF. STRUCT. DIMENSIONAL CEDAR COLUMN, REF. STRUCT. FIBER CEMENT TRIM FIBER CEMENT FASCIA BOARD METAL GUTTER METAL DOWNSPOUT HOSE BIBB, REF. PLUMBING
EXTERIOR WALL TYPES	
W1 W2	REFERENCE SHEET G1000 EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x1 SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAP/ PAPER SEAL, ALL SEAMS) ON 1/4" OSB SHEATHING ON 2x6 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR. EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAP/PAPER SEAL, ALL SEAMS) ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C., WITH 1/2" GYPSUM BOARD ON INTR. TYPE W2A: SAME AS W2 EXCEPT NO GYPSUM BOARD
INTERIOR WALL TYPES	
D1 S1A S2A S2A	REFERENCE SHEET G1000 INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - ULL U340 ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" CLARK DIETRICH RC DELUXE RESISTENT CHANNEL (@ 24" O.C.) ONE SIDE ON 2x4 STUDS (@ 24" O.C.) STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.) UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH 5/8" TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE. INTERIOR PARTITION WALL (NON-LOAD-BEARING) (1) LAYERS: 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER TYPE S1B: SAME AS S1A EXCEPT 2x6 STUDS TYPE S2A: SAME AS S1A EXCEPT GYPSUM BOARD ONE SIDE ONLY. TYPE S2C: SAME AS S2A EXCEPT 2x2 STUDS INTERIOR PARTITION WALL (NON-LOAD-BEARING) ONE LAYER(S) 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER TYPE S2B: SAME AS S2A EXCEPT 2x6 STUDS
ROOF TYPES	
R1	ROOF ASSEMBLY - NON RATED PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAYMENT ON 2x4 FRAMED ROOF TRUSS (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-38 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR.
FLOOR TYPES	
F1 F2	FLOOR ASSEMBLY 4" CONCRETE SLAB (PER STRUCTURAL) ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE. NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION. FLOOR ASSEMBLY 3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS.
LEGEND	
CEMENT FIBER HORIZONTAL LAP SIDING (6" EXPOSURE) WOOD, CEDAR ROOFING, METAL PANEL	

DEKKER
PERICH
SABATINI

ARCHITECTURE
DESIGN
INSPIRATION

SEAL

PROJECT

BID PACKAGE #4 - TEACHERAGES

Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100% SUBMITTAL

REVISIONS
01/06/21 ASI-001T
DRAWN BY AW
REVIEWED BY RW/JM
DATE 12.10.2020
PROJECT NO 20-7002.005
DRAWING NAME
3BD/2BA
SINGLE-FAMILY -
EXTERIOR
ELEVATIONS
SHEET NO
AE203

GENERAL SHEET NOTES

- DIMENSIONS ARE TO FINISHED FACE, UNLESS NOTED OTHERWISE.
- REFER TO G1000 FOR TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS.
- PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
- PROVIDE BLOCKING AT ALL TOILET AND SHOWER LOCATIONS FOR SECURING GRAB BARS.
- COORDINATE WALL DEVICE LOCATIONS WITH WALL MOUNTED FURNISHINGS.
- COORDINATE WALL ACCESS PANEL LOCATIONS AS TO NOT OVERLAP CHANGES IN FINISHES.
- REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING (MEP) LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
- DISHWASHER SHOWN FOR LOCATION AND REFERENCE ONLY, NOT IN CONTRACT.
- CONTRACTOR TO SUPPLY AND INSTALL RANGE AND REFRIGERATOR ONLY. ALL OTHER APPLIANCES BY OWNER AND INSTALLED BY CONTRACTOR.
- ALL INTERIOR FINISHES FLAME SPREAD REQUIREMENTS SHALL BE IN COMPLIANCE WITH NFPA 500 (2018), CHAPTER 10.2.
- PAIN ALL GYP. BOARD CEILINGS IN UNITS P-3, UNO
- PAIN ALL GYP. BOARD WALLS IN UNITS P-1, UNO
- ALL FINISH TRANSITIONS THAT OCCUR AT DOORWAYS TRANSITION MATERIAL AT CENTERLINE OF DOOR WHEN CLOSED
- ALL FLOORING TO RUN CONTINUOUSLY UNDER APPLIANCES AND AT OPEN CABINET CONDITIONS
- P. ALL GYP BOARD WALLS TO RECEIVE WB-1 UNO
- Q. ALL GYP BOARDS IN RESTROOMS TO RECEIVE RB-1 UNO
- R. WHERE SHOWER ABUTS OR IS ADJACENT TO EXTERIOR WALL, PROVIDE WEATHER BARRIER BEHIND SHOWER.
- S. PROVIDE MOISTURE-RESISTANT GYPSUM WALLBOARD OR CEMENT BOARD (WITH CAULKED JOINTS) BEHIND TUB AND/OR SHOWER ENCLOSURES.
- T. DRYWALL SEALED TO TOP PLATE AT ALL UNCONDITIONED ATTIC WALL INTERFACES USING CAULK, FOAM DRYWALL ADHESIVE (BUT NOT OTHER CONSTRUCTION ADHESIVES), OR EQUIVALENT MATERIAL.
- U. KITCHEN AND BATHROOM SINK TO HAVE REMOVABLE BASE CABINETS. FLOORING TO EXTEND UNDER SINK BASE FOR ADAPTABLE CONDITION. CONFIRM ADA TYPE SINK

REFERENCE KEYNOTES

- | | |
|------------|---|
| 05 4500.01 | COUNTER SUPPORT BRACKET. |
| 06 2000.03 | BASE AS SCHEDULED, RE: FINISH LEGEND |
| 06 4100.09 | LINEN STORAGE CABINET |
| 09 6500.04 | BASE AS SCHEDULED |
| 12 3600.05 | PLASTIC LAMINATE, PL-1 WITH BACKSPLASH, RE: FINISH LEGEND |
| 12 3600.07 | PLASTIC LAMINATE, PL-1 RE: FINISH LEGEND |
| 26 0000.01 | LIGHT FIXTURE, TYP., REF. ELECT. |

GENERAL LEGEND

- | | |
|------|---|
| CR | SHOWER CURTAIN ROD |
| GBXX | GRAB BAR PER ANSI A117.1 XX INDICATES WIDTH |
| MR | MIRROR, FULL WIDTH OF VANITY COUNTERTOP |
| R&S | ROD & SHELF - WIRE CLOSET SHELVEING |
| RH | ROBE HOOK |
| SHVS | SHELF - WIRE CLOSET SHELVEING |
| TB | TOWEL BAR |
| TP | TOILET PAPER DISPENSER |
| WS | WORK SURFACE, 30" WIDE MINIMUM CLEARANCE |

APPLIANCE LEGEND

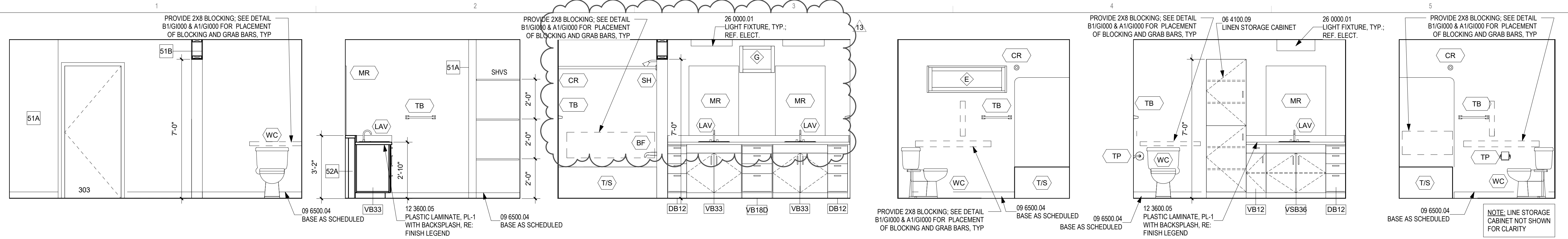
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|---------|--|
| ADA DW | ADA DISHWASHER (OWNER PROVIDED, NIC) |
| DW | DISHWASHER (OWNER PROVIDED, NIC) |
| ADA REF | ADA REFRIGERATOR |
| REF | REFRIGERATOR |
| ADA RO | ADA ELECTRIC RANGE/ OVEN |
| RO | RANGE/ OVEN |
| W | WASHER (OWNER PROVIDED, NIC) |
| D | DRYER (OWNER PROVIDED, NIC) |
| MIC | MICROWAVE (ADA) ON COUNTERTOP (OWNER PROVIDED, NIC) |
| ADA EH | ADA EXHAUST HOOD, SWITCH CONTROLS ARE WITHIN REACH RANGE IN "TYPE A" UNITS |
| WH | WATER HEATER |
| F | FURNACE |
| MW | MICROWAVE with HOOD (OWNER PROVIDED, NIC) |

FIXTURE LEGEND

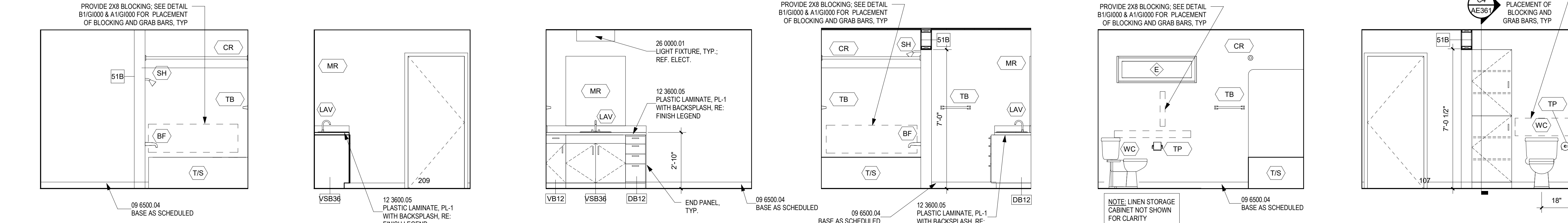
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|-------|--|
| NOTE: | REFER TO PLUMBING FIXTURE SCHEDULE FOR MANUFACTURER AND MODEL NUMBERS |
| BF | BATH FAUCET |
| GD | GARBAGE DISPOSAL, SWITCH CONTROLS ARE WITHIN REACH RANGE IN "TYPE A" UNITS |
| FD | FLOOR DRAIN |
| LAV | LAVATORY |
| RS | ROLL-IN SHOWER WITH TILE SURROUND |
| TUB | TUB & SHOWER, VERIFY DIMENSION PER UNIT |
| S | SINK |
| WC | WATER CLOSET |
| SHWR | SHOWER HEAD |
| SS | SHOWER SEAT |

CASEWORK LEGEND

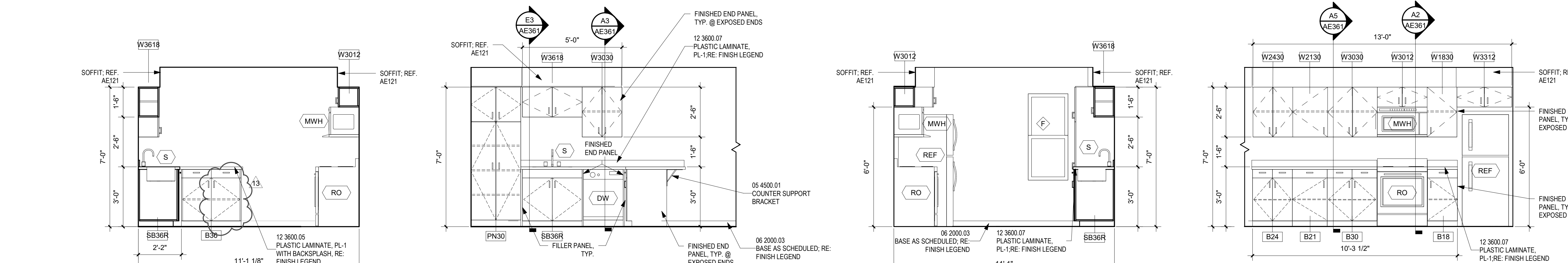
- | | |
|-------|---|
| BXX | CASEWORK - BASE CABINET, WIDTH INDICATED AS "XX" |
| DBX | CASEWORK - BASE CABINET (REMOVABLE), WIDTH INDICATED AS "XX" |
| DBX | CASEWORK - DRAWER BASE, WIDTH INDICATED AS "XX" |
| GBXX | CASEWORK - OPEN BASE CABINET, WIDTH INDICATED AS "XX" |
| SBXX | CASEWORK - SINK BASE, WIDTH INDICATED AS "XX" |
| SBXXR | CASEWORK - SINK BASE CABINET (REMOVABLE), WIDTH INDICATED AS "XX" |
| SBXXA | CASEWORK - SINK BASE CABINET (ACCESSIBLE), WIDTH INDICATED AS "XX" |
| VBXX | CASEWORK - VANITY DRAWER BASE, WIDTH INDICATED AS "XX" |
| VBXXR | CASEWORK - VANITY SINK BASE, WIDTH INDICATED AS "XX" |
| VBXXR | CASEWORK - VANITY SINK BASE (REMOVABLE), WIDTH INDICATED AS "XX" |
| WXXX | CASEWORK - 12" DEEP WALL MOUNTED CABINET, WIDTH INDICATED AS "XX", HEIGHT "YYY" |
| FEF | FINISHED END PANEL |
| FPN | FIXED PANEL |
| CPNL | 12" DEEP X 30" WIDE FRAME AND GYP PANEL TO CONTAIN HOOD VENT, REF. E5/AE361 |
| LN | LINEN CABINET |
| PN | PANTRY CABINET |



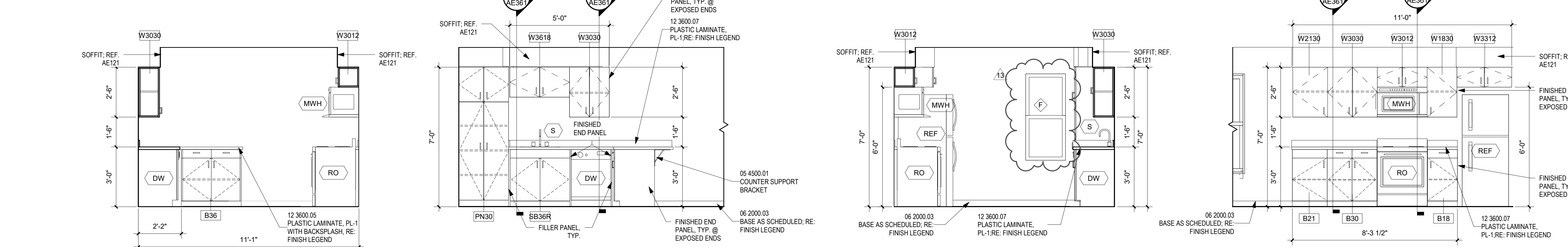
E1 3BD/2BA SINGLE-FAMILY - BATH (FRONT) 3/8" = 1'-0"
E2 3BD/2BA S-F - BATH (RIGHT) 3/8" = 1'-0"
E3 3BD/2BA SINGLE-FAMILY - BATH (BACK) 3/8" = 1'-0"
E4 3BD/2BA S-F - BATH (LEFT) 3/8" = 1'-0"
E5 2BD/1BA DUPLEX - BATH (FRONT) 3/8" = 1'-0"
E6 2BD/1BA DUPLEX - BATH (RIGHT) 3/8" = 1'-0"



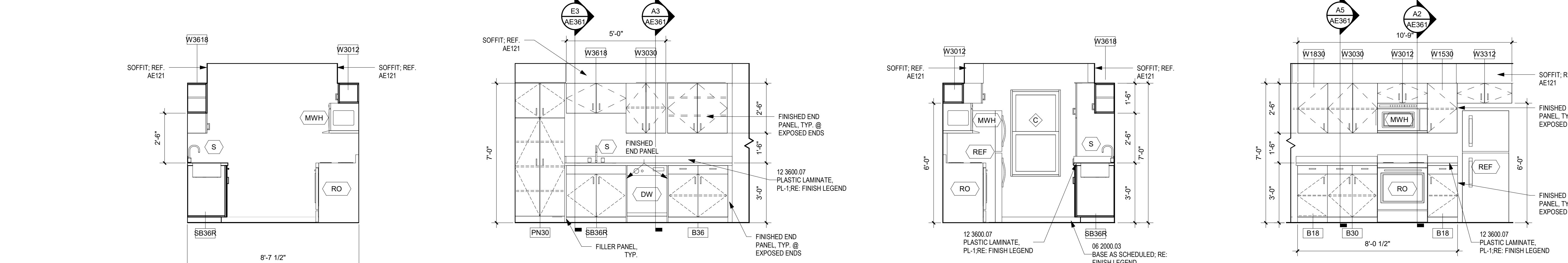
D1 2BD/1BA DUPLEX - BATH (BACK) 3/8" = 1'-0"
D2 2BD/1BA DUPLEX - BATH (LEFT) 3/8" = 1'-0"
D3 1BD/1BA DUPLEX - BATH (FRONT) 3/8" = 1'-0"
D4 1BD/1BA DUPLEX - BATH (RIGHT) 3/8" = 1'-0"
D5 1BD/1BA DUPLEX - BATH (BACK) 3/8" = 1'-0"
D6 1BD/1BA DUPLEX - BATH (LEFT) 3/8" = 1'-0"



C1 3BD/2BA SINGLE-FAMILY - KITCHEN (FRONT) 3/8" = 1'-0"
C2 3BD/2BA SINGLE-FAMILY - KITCHEN (RIGHT) 3/8" = 1'-0"
C3 3BD/2BA SINGLE-FAMILY - KITCHEN (BACK) 3/8" = 1'-0"
C4 3BD/2BA SINGLE-FAMILY - KITCHEN (LEFT) 3/8" = 1'-0"



B1 2BD/1BA DUPLEX - KITCHEN (FRONT) 3/8" = 1'-0"
B2 2BD/1BA DUPLEX - KITCHEN (RIGHT) 3/8" = 1'-0"
B3 2BD/1BA DUPLEX - KITCHEN (BACK) 3/8" = 1'-0"
B4 2BD/1BA DUPLEX - KITCHEN (LEFT) 3/8" = 1'-0"



A1 1BD/1BA DUPLEX - KITCHEN (FRONT) 3/8" = 1'-0"
A2 1BD/1BA DUPLEX - KITCHEN (RIGHT) 3/8" = 1'-0"
A3 1BD/1BA DUPLEX - KITCHEN (BACK) 3/8" = 1'-0"
A4 1BD/1BA DUPLEX - KITCHEN (LEFT) 3/8" = 1'-0"

GENERAL SHEET NOTES

- A. DIMENSIONS ARE TO FINISHED FACE, UNLESS NOTED OTHERWISE.
B. REFER TO 0600 FOR TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS.
C. PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
D. PROVIDE BLOCKING AT ALL TOILET AND SHOWER LOCATIONS FOR SECURING GRAB BARS.
E. COORDINATE WALL DEVICE LOCATIONS WITH WALL MOUNTED FURNISHINGS.
F. COORDINATE WALL ACCESS PANEL LOCATIONS AS TO NOT OVERLAP CHANGES IN FINISHES.
G. REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
H. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING (MEP) LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
I. DISHWASHER SHOWN FOR LOCATION AND REFERENCE ONLY, NOT IN CONTRACT.
J. CONTRACTOR TO SUPPLY AND INSTALL RANGE AND REFRIGERATOR ONLY. ALL OTHER APPLIANCES BY OWNER AND INSTALLED BY CONTRACTOR.
K. ALL INTERIOR FINISHES FLAME SPREAD REQUIREMENTS SHALL BE IN COMPLIANCE WITH NFPA 500 (2016), CHAPTER 10.2.
L. PAINT ALL GYP. BOARD CEILINGS IN UNITS P-3, UNO.
M. PAINT ALL GYP. BOARD WALLS IN UNITS P-1, UNO.
N. ALL FINISH TRANSITIONS THAT OCCUR AT DOORWAYS TRANSITION MATERIAL AT CENTERLINE OF DOOR WHEN CLOSED.
O. ALL FLOORING TO RUN CONTINUOUSLY UNDER APPLIANCES AND AT OPEN CABINET CONDITIONS.
P. ALL GYP. BOARD WALLS TO RECEIVE WB-1 UNO.
Q. ALL GYP. BOARDS IN RESTROOMS TO RECEIVE RB-1 UNO.
R. WHERE SHOWER ABUTS OR IS ADJACENT TO EXTERIOR WALL, PROVIDE WEATHER BARRIER BEHIND SHOWER.
S. PROVIDE MOISTURE-RESISTANT GYPSUM WALLBOARD OR CEMENT BOARD (WITH CAULKED JOINTS) BEHIND TUB AND/OR SHOWER ENCLOSURES.
T. DRYWALL SEALED TO TOP PLATE AT ALL UNCONDITIONED ATTIC WALL INTERFACES USING CAULK, FOAM DRYWALL ADHESIVE (BUT NOT OTHER CONSTRUCTION ADHESIVES), OR EQUIVALENT MATERIAL.
U. KITCHEN AND BATHROOM SINK TO HAVE REMOVABLE BASE CABINETS. FLOORING TO EXTEND UNDER SINK BASE FOR ADAPTABLE CONDITION. CONFIRM ADA TYPE SINK.

REFERENCE KEYNOTES

- 05 4500.01 COUNTER SUPPORT BRACKET.
06 2000.03 BASE AS SCHEDULED, RE: FINISH LEGEND
09 6500.04 BASE AS SCHEDULED
12 3600.05 PLASTIC LAMINATE, PL-1 WITH BACKSPLASH, RE: FINISH LEGEND
12 3600.07 PLASTIC LAMINATE, PL-1 RE: FINISH LEGEND
26 0000.01 LIGHT FIXTURE, TYP., REF. ELECT.

GENERAL LEGEND

- CR SHOWER CURTAIN ROD
GBX GRAB BAR PER ANSI A117.1 XX INDICATES WIDTH
MR MIRROR, FULL WIDTH OF VANITY COUNTERTOP
R&S ROD & SHELF - WIRE CLOSET SHELVE
RH ROBE HOOK
SHVS SHELF - WIRE CLOSET SHELVE
TB TOWEL BAR
TP TOILET PAPER DISPENSER
WS WORK SURFACE, 30" WIDE MINIMUM CLEARANCE

APPLIANCE LEGEND

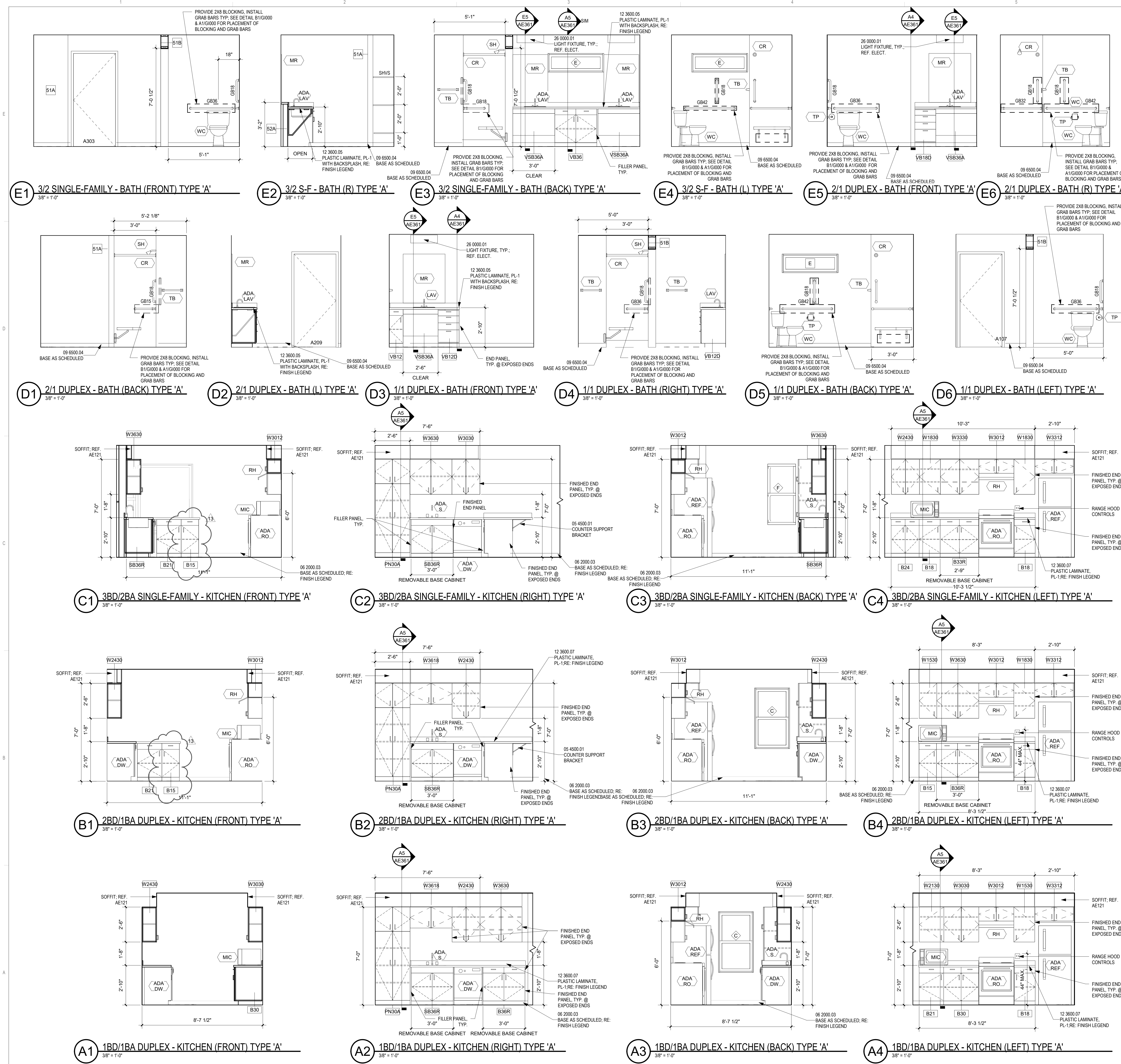
- ADA DW ADA DISHWASHER (OWNER PROVIDED, NIC)
ADA REF DISHWASHER (OWNER PROVIDED, NIC)
REF REFRIGERATOR
ADA RO ADA ELECTRIC RANGE/ OVEN
RO RANGE/ OVEN
W WASHER (OWNER PROVIDED, NIC)
D DRYER (OWNER PROVIDED, NIC)
MIC MICROWAVE (ADA) ON COUNTERTOP (OWNER PROVIDED, NIC)
ADA EXH ADA EXHAUST HOOD, SWITCH CONTROLS ARE WITHIN REACH RANGE IN 'TYPE A' UNITS
WH WATER HEATER
F FURNACE
MW MICROWAVE with HOOD (OWNER PROVIDED, NIC)

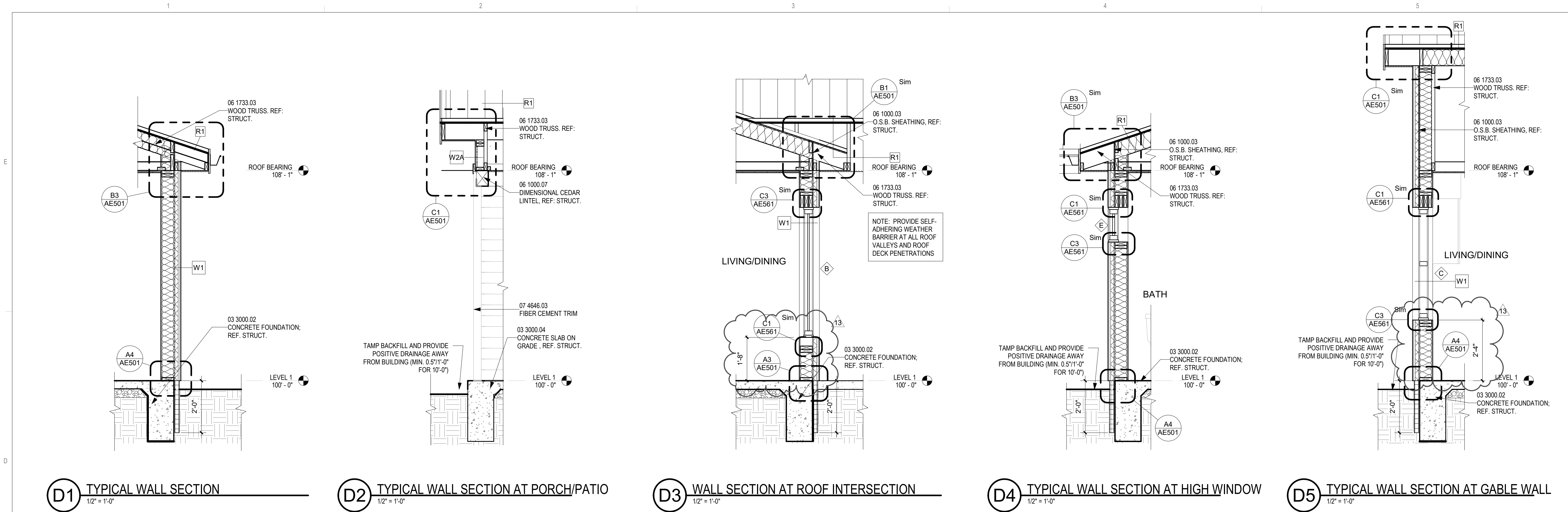
FIXTURE LEGEND

- NOTE: REFER TO PLUMBING FIXTURE SCHEDULE FOR MANUFACTURER AND MODEL NUMBERS
BF BATH FAUCET
GD GARBAGE DISPOSAL, SWITCH CONTROLS ARE WITHIN REACH RANGE IN 'TYPE A' UNITS
FD FLOOR DRAIN
LAV LAVATORY
RS ROLL-IN SHOWER WITH TILE SURROUND
TUB TUB & SHOWER, VERIFY DIMENSION PER UNIT
S SINK
WC WATER CLOSET
SH SHOWER HEAD
SHWR SHOWER
SS SHOWER SEAT

CASEWORK LEGEND

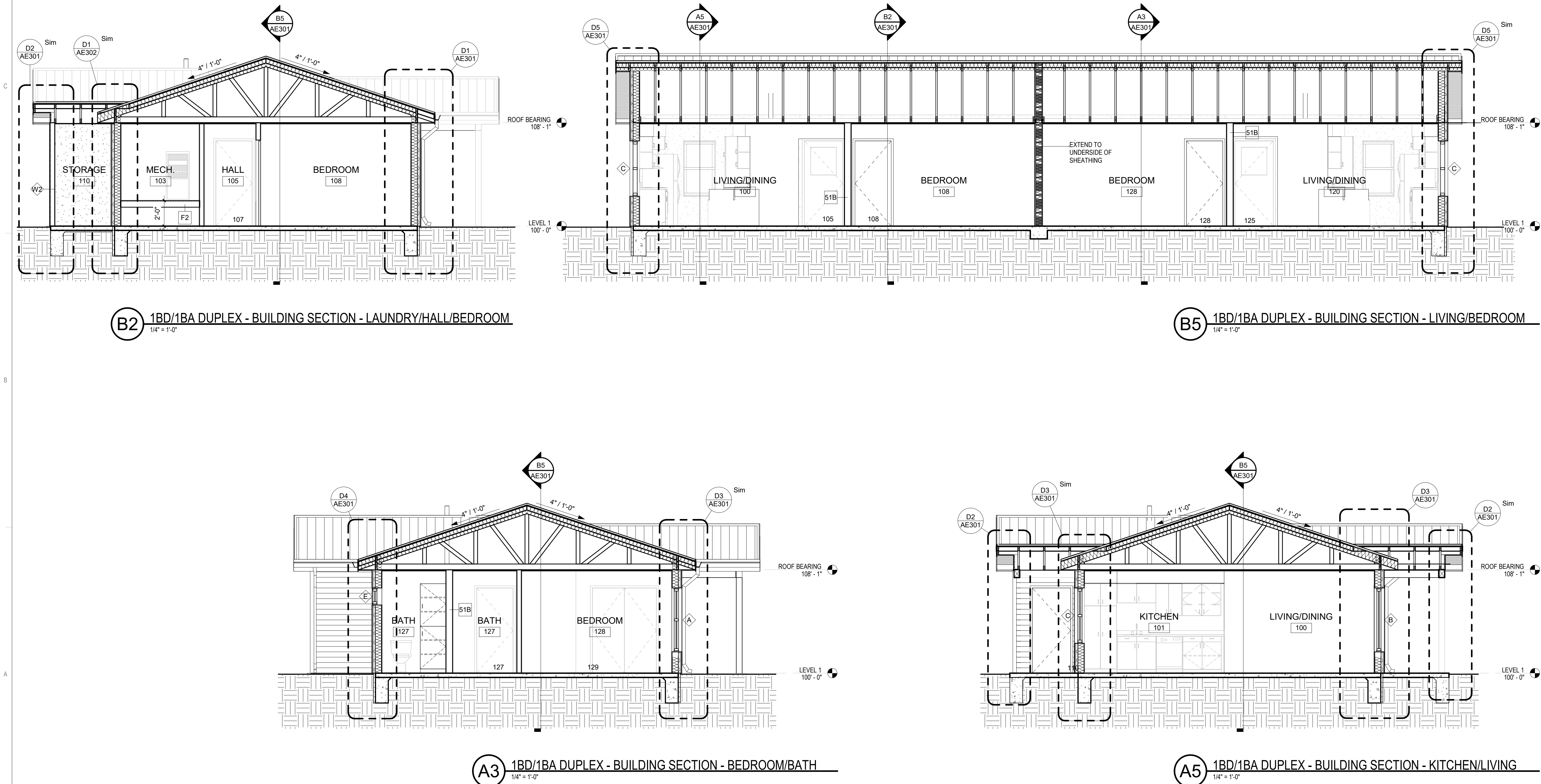
- BXX CASEWORK - BASE CABINET, WIDTH INDICATED AS "XX"
BXXR CASEWORK - BASE CABINET (REMOVABLE), WIDTH INDICATED AS "XX"
DB CASEWORK - DRAWER BASE, WIDTH INDICATED AS "XX"
OBXX CASEWORK - OPEN BASE CABINET, WIDTH INDICATED AS "XX"
SBXX CASEWORK - SINK BASE, WIDTH INDICATED AS "XX"
SBXXR CASEWORK - SINK BASE CABINET (REMOVABLE), WIDTH INDICATED AS "XX"
SBXXA CASEWORK - SINK BASE CABINET (ACCESSIBLE), WIDTH INDICATED AS "XX"
VSBXX CASEWORK - VANITY DRAWER BASE, WIDTH INDICATED AS "XX"
VSBXXR CASEWORK - VANITY SINK BASE (REMOVABLE), WIDTH INDICATED AS "XX"
WXXY CASEWORK - 12" DEEP WALL MOUNTED CABINET, WIDTH INDICATED AS "XX", HEIGHT "YY"
FEP FINISHED END PANEL
FP FIXED PANEL
GPN 12" DEEP 1/2" WIDE FRAME AND GYP PANEL TO CONTAIN HOOD VENT, REF. E5/AE361
LIN LINEN CABINET
PN PANTRY CABINET





GENERAL SHEET NOTES	
A.	REFER TO SHEET AE001 FOR EXPLANATION OF ENCLOSURE ASSEMBLIES.
B.	REFER TO SHEET AE002 FOR ENCLOSURE CONTINUITY FOR CONTROL LAYER CONTINUITY INTENT.
C.	PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
D.	EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS.
E.	INTERIOR WALLS TO BE TYPE S1A, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS.
F.	ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS.
G.	AT BUILDING SECTIONS, ROOF TRUSS LOCATIONS SHOWN FOR REFERENCE ONLY. REFERENCE STRUCTURAL DRAWINGS FOR ACTUAL ROOF TRUSS LOCATIONS.
H.	AT BUILDING SECTIONS, ROOF TRUSS DIAGONALS SHOWN FOR REFERENCE ONLY. ACTUAL ROOF TRUSS DIAGONALS TO BE DETERMINED BY MANUFACTURER.
I.	DIRECT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT.
J.	REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
K.	REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MEP-RELATED SYMBOLS.
L.	SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY. TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION.
M.	FOR WINDOW TYPES A, A1 & B, VERIFY FIXED WINDOW SIDE PER ELEVATIONS AND PLANS.
N.	PROVIDE R-5 BLANKET INSULATION OVER FIRE SPRINKLER SYSTEM AND DUCTWORK.
O.	ALL EXTERIOR DOORS AND OPERABLE WINDOWS TO RECEIVE WEATHERSTRIPPING AND SEALED.
P.	INSTALL INSULATION TO BE INSTALLED TO RESNET GRADE 1 STANDARDS.
Q.	DUCTS, FLUES, SHAFTS, PLUMBING, PIPING, WIRING, EXHAUST FANS, & OTHER PENETRATIONS TO UNCONDITIONED SPACE SEALED, WITH BLOCKING / FLASHING AS NECESSARY.

REFERENCE KEYNOTES	
03 3000.02	CONCRETE FOUNDATION, REF. STRUCT.
03 3000.04	CONCRETE SLAB ON GRADE
06 1000.03	O.S.B. SHEATHING, REF. STRUCT.
06 1000.07	DIMENSIONAL CEDAR LINTEL, REF. STRUCT.
06 1733.03	WOOD TRUSS, REF. STRUCT.
07 4646.03	FIBER CEMENT TRIM



EXTERIOR WALL TYPES		REFERENCE SHEET G1000
W1	EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAP PAPER (SEAL ALL SEAMS) ON 7/16" OSB SHEATHING ON 2x6 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR.	
W2	EXTERIOR WALL (LOAD-BEARING) FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAP PAPER (SEAL ALL SEAMS) ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C., WITH 1/2" GYPSUM BOARD ON INT'L. TYPE W2A - SAME AS W2 EXCEPT NO GYPSUM BOARD	
INTERIOR WALL TYPES		REFERENCE SHEET G1000
D1	INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - UL U340 ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" CLARK DIETRICH RC DELUXE RESILIENT CHANNEL @ 24" O.C., ONE SIDE ON 2x4 STUDS @ 24" O.C., STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.), UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH 5/8" TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE.	
S1A	INTERIOR PARTITION WALL (NON-LOAD BEARING) (1) LAYER(S) 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER. TYPE S1B: SAME AS S1A EXCEPT 2x6 STUDS TYPE S2A: SAME AS S1A EXCEPT GYPSUM BOARD ONE SIDE ONLY. TYPE S2C: SAME AS S2A EXCEPT 2x2 STUDS	
S2A	INTERIOR PARTITION WALL (NON-LOAD BEARING) ONE LAYER(S) 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER. TYPE S2B: SAME AS S2A EXCEPT 2x6 STUDS	
ROOF TYPES		
R1	ROOF ASSEMBLY - NON RATED PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAYMENT ON 2x4 FRAMED ROOF TRUSS (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-38 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR.	
FLOOR TYPES		
F1	FLOOR ASSEMBLY 4" CONCRETE SLAB (PER STRUCTURAL) ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION.	
F2	FLOOR ASSEMBLY 3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS.	
LEGEND		
	CEMENT FIBER HORIZONTAL LAP SIDING (6" EXPOSURE)	
	WOOD, CEDAR	
	ROOFING, METAL PANEL	

DEKKER
PERICH
SABATINI

ARCHITECTURE
DESIGN
INSPIRATION

SEAL

PROJECT

BID PACKAGE #4 - TEACHERAGES

Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100% SUBMITTAL

REVISIONS

01/06/21 ASI-601T

AW

RW/JM

12.10.2020

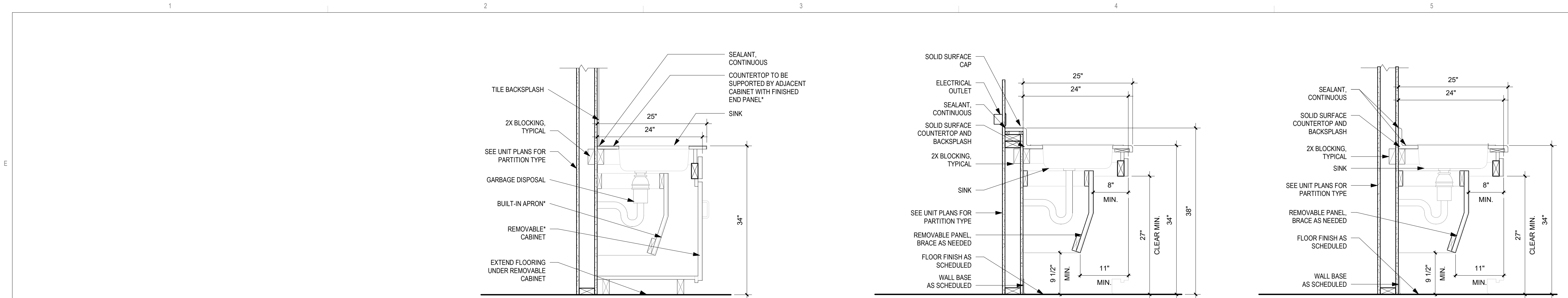
20-7002.005

DRAWING NAME

1BD/1BA DUPLEX - BUILDING / WALL SECTIONS

SHEET NO

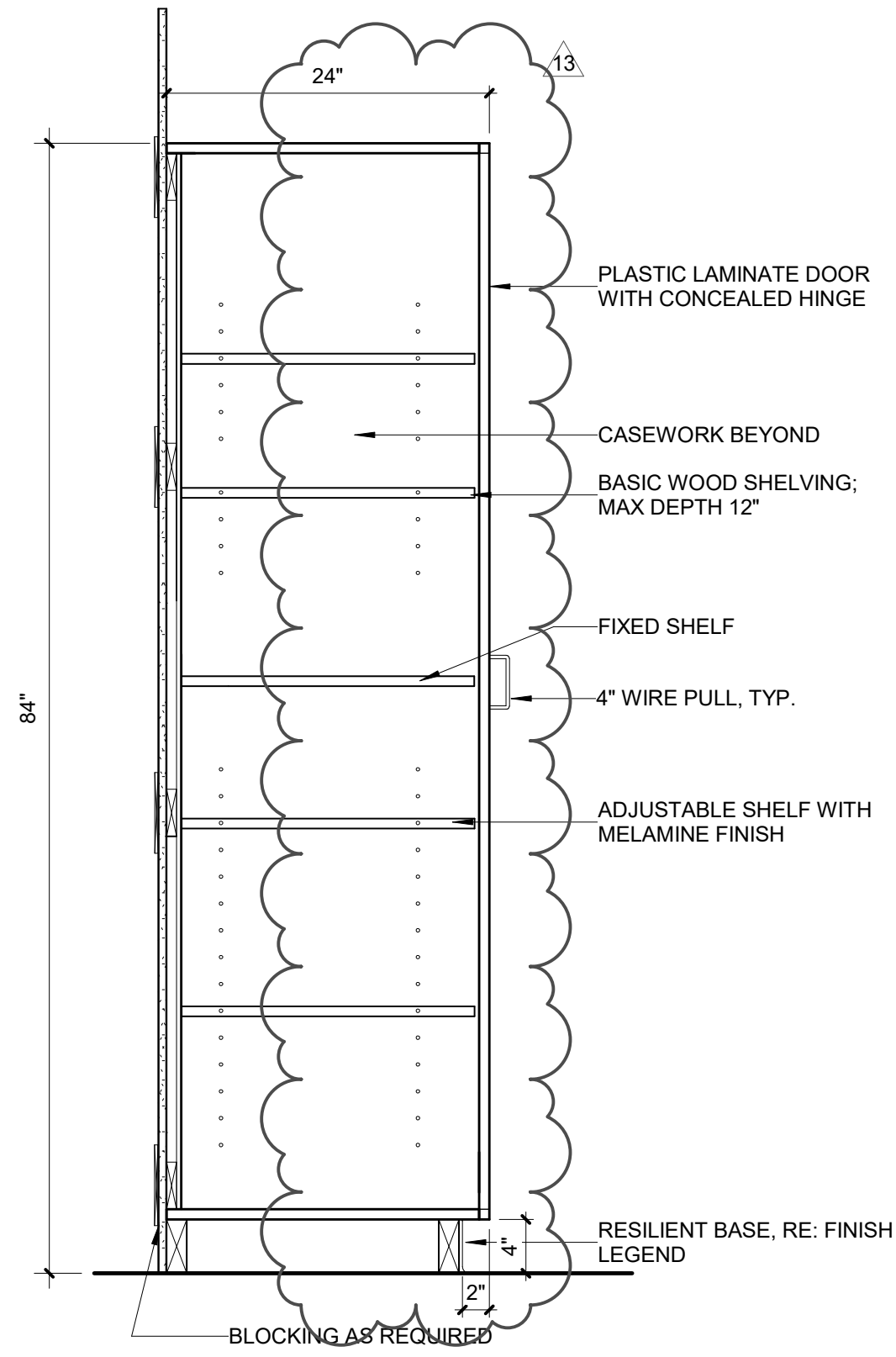
AE301



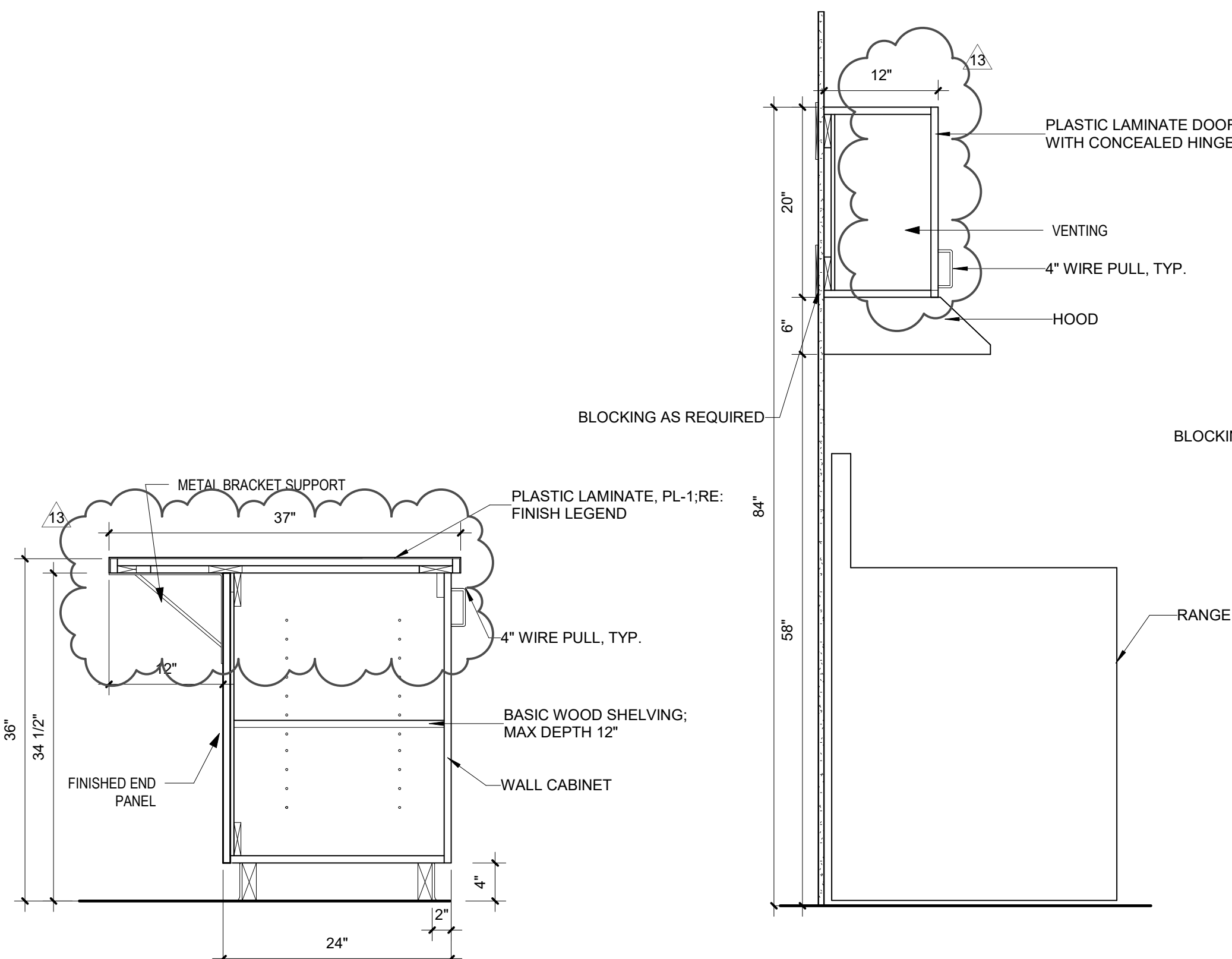
E3 ACCESSIBLE KITCHEN SINK BASE CABINET
1" = 1'-0"

E4 ACCESSIBLE VANITY SINK @ FURRED WALL
1" = 1'-0"

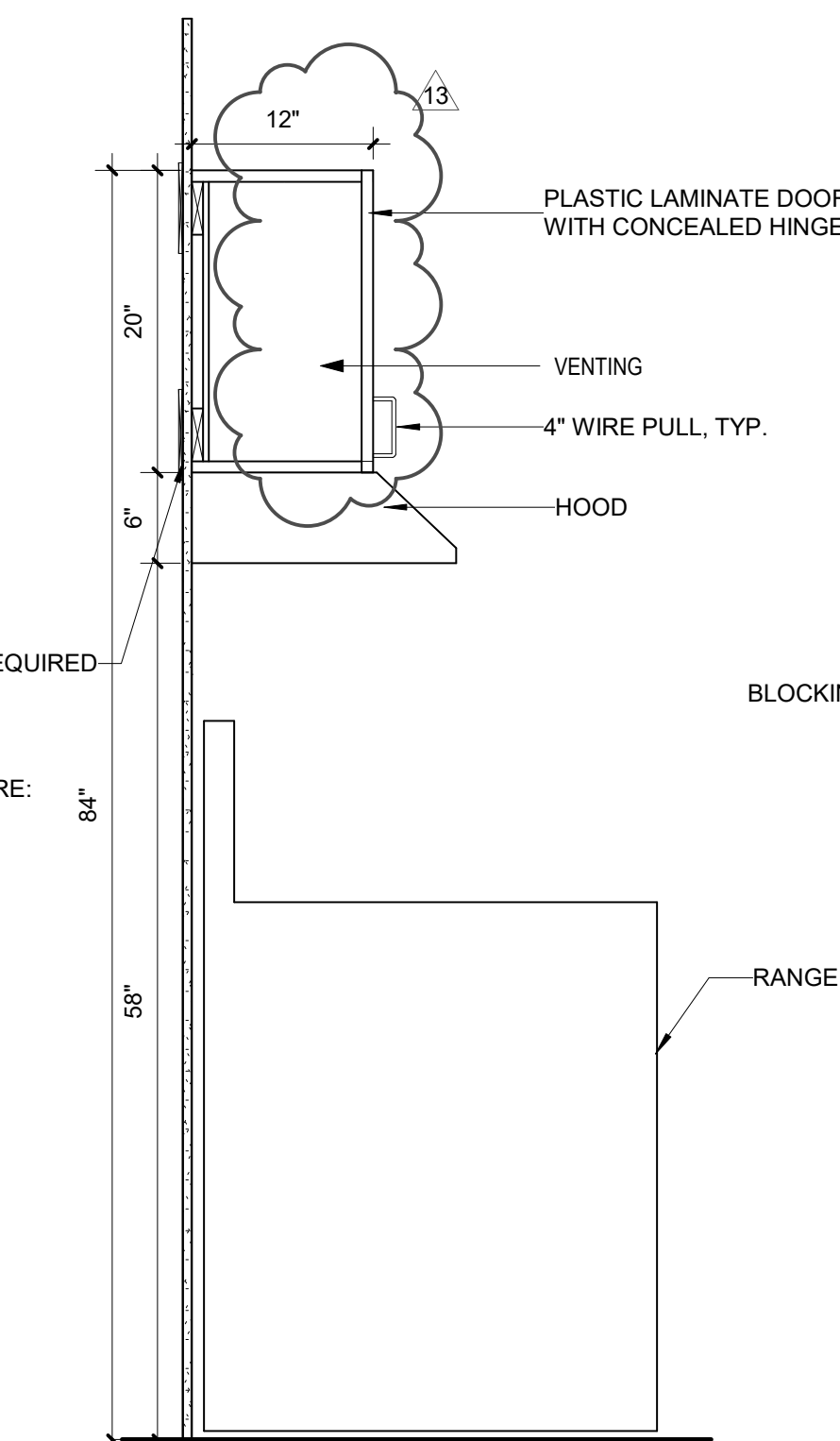
E5 ACCESSIBLE VANITY SINK, TYP.
1" = 1'-0"



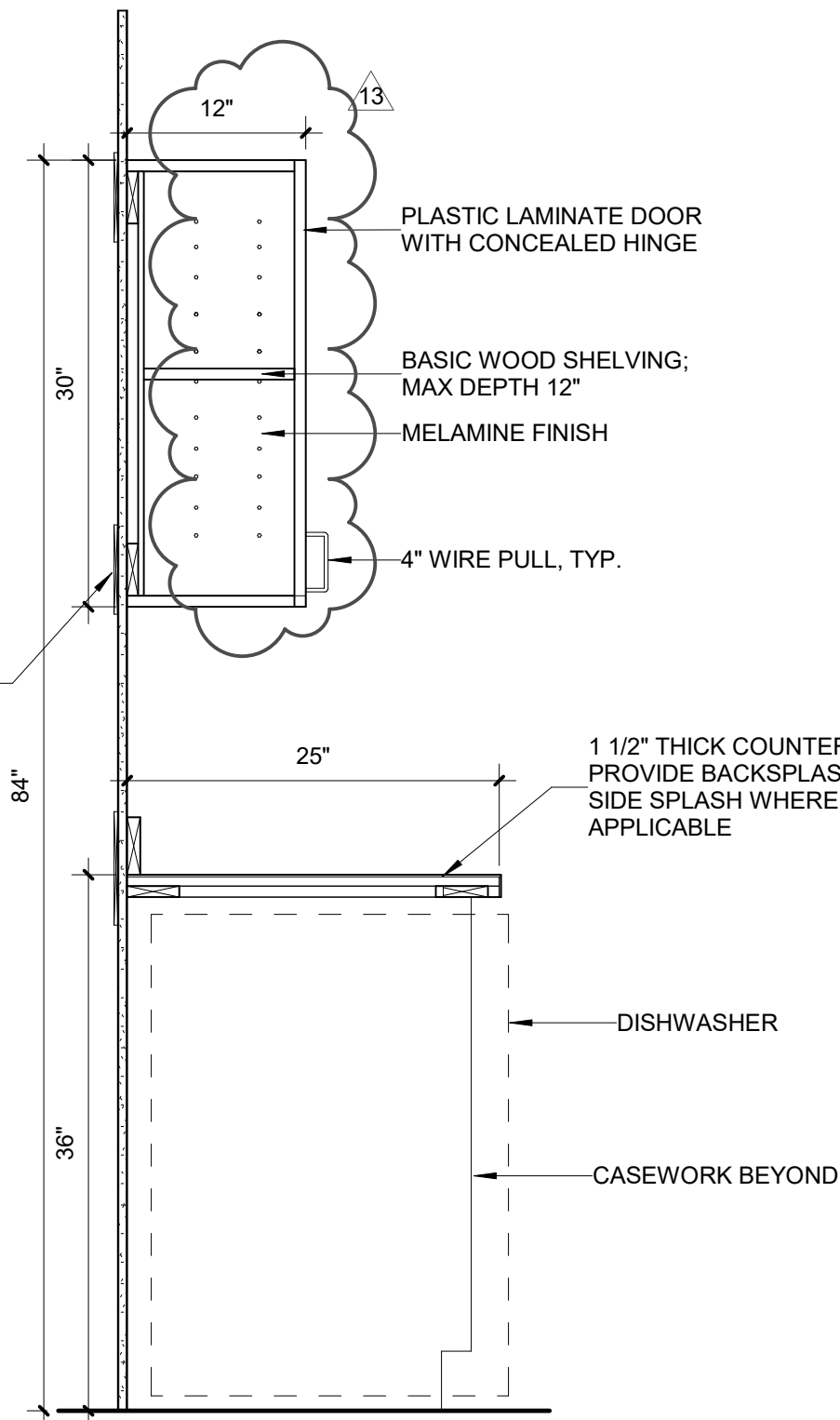
C4 CASEWORK - TALL CABINET
1" = 1'-0"



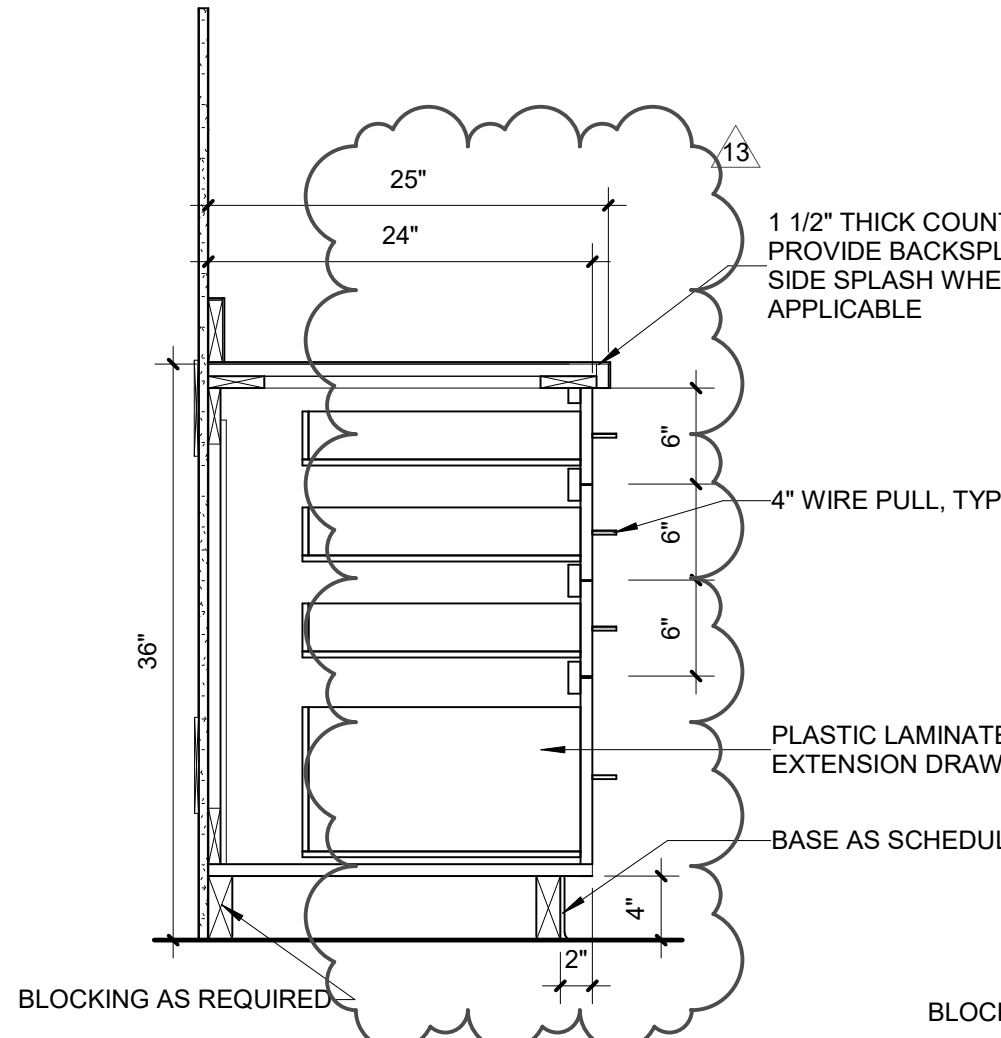
A1 PENINSULA w/ BASE CABINET
1" = 1'-0"



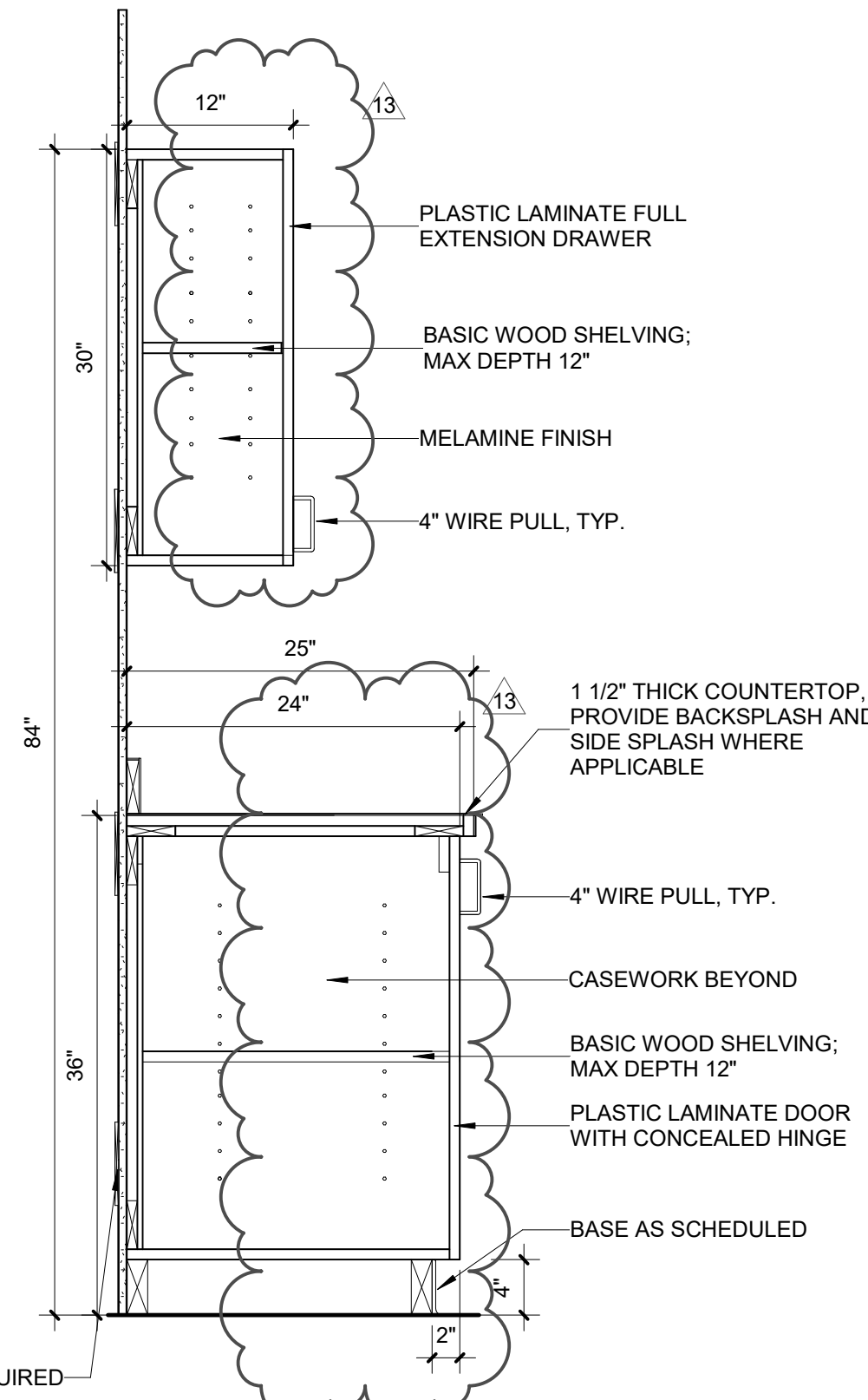
A2 CASEWORK - RANGE w/ WALL CABINET
1" = 1'-0"



A3 DISHWASHER w/ WALL CABINET
1" = 1'-0"



A4 BASE (w/ DRAWERS) & WALL CABINETS
1" = 1'-0"



A5 BASE & WALL CABINETS
1" = 1'-0"

GENERAL SHEET NOTES

- DIMENSIONS ARE TO FINISHED FACE, UNLESS NOTED OTHERWISE.
- PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
- COORDINATE CASEWORK WITH SOFFIT LOCATIONS, NOT ALL SOFFITS SHOWN IN SECTION, CASEWORK UNDER 7'-2" AFF SOFFIT TO RECEIVE SCRIBE/FILLER WITH CONTINUOUS LAMINATE.
- REFERENCE INTERIOR ELEVATIONS FOR CASEWORK FINISH INFORMATION.
- ALL SHELVING CABINETS OVER 36" W REQUIRE A MIDDLE VERTICAL SUPPORT.
- PROVIDE COUNTER SUPPORTS EVERY 36" MINIMUM.
- PROVIDE CONTINUOUS SOLID BACKING UNDER COUNTERTOP FOR FULL LENGTH OF SUPPORT.

REFERENCE KEYNOTES

06 4100.02	WALL CABINET
06 4100.07	ADJUSTABLE SHELF WITH MELAMINE FINISH
06 4100.08	BASIC WOOD SHELVING, MAX DEPTH 12"
06 4100.10	4" WIRE PULL, TYP.
06 4100.11	PLASTIC LAMINATE FULL EXTENSION DRAWER
06 4100.12	PLASTIC LAMINATE DOOR WITH CONCEALED HINGE
06 4100.13	BLOCKING AS REQUIRED
06 4100.14	MELAMINE FINISH
06 4100.15	CASEWORK BEYOND
06 4100.16	FIXED SHELF
09 6500.01	RESILIENT BASE, RE: FINISH LEGEND
09 6500.04	BASE AS SCHEDULED
11 3013.02	RANGE
11 3013.08	DISHWASHER
11 3013.11	HOOD
12 3600.07	PLASTIC LAMINATE, PL-1/RE: FINISH LEGEND
12 3600.08	1 1/2" THICK COUNTERTOP, PROVIDE BACKSPLASH AND SIDE SPLASH WHERE APPLICABLE

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ARCHITECTURE
DESIGN
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PROJECT

BID PACKAGE #4 - TEACHERAGES

Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100% SUBMITTAL

REVISIONS

01/06/21 ASI-601T

DRAWN BY AW

REVIEWED BY RW/JM

DATE 12.10.2020

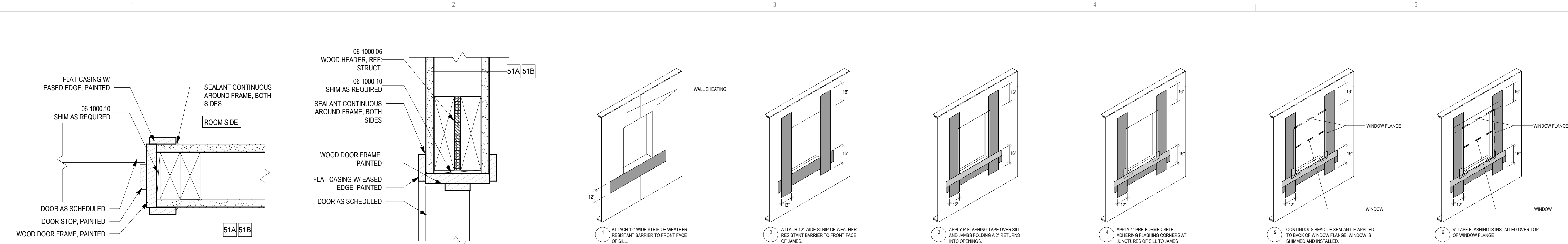
PROJECT NO 20-7002.005

DRAWING NAME

CASEWORK
SECTIONS

SHEET NO

AE361



E1 DOOR JAMB @ INTERIOR WALL

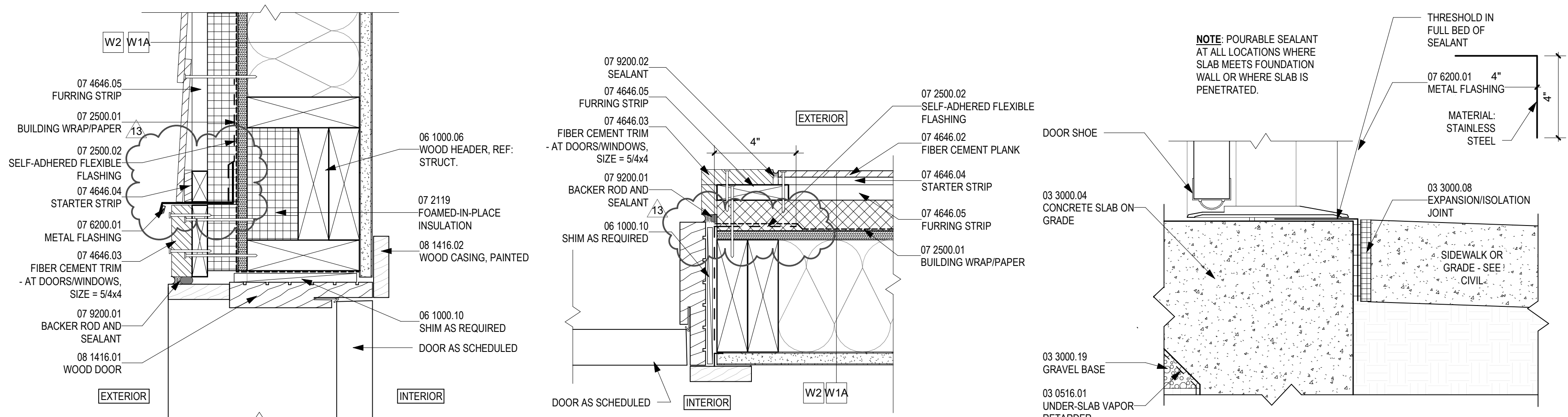
3" = 1'-0"

E2 DOOR HEAD @ INTERIOR WALL

3" = 1'-0"

E5 WINDOW FLASHING DETAIL

1/8" = 1'-0"



D1 DOOR HEAD @ EXTERIOR WALL

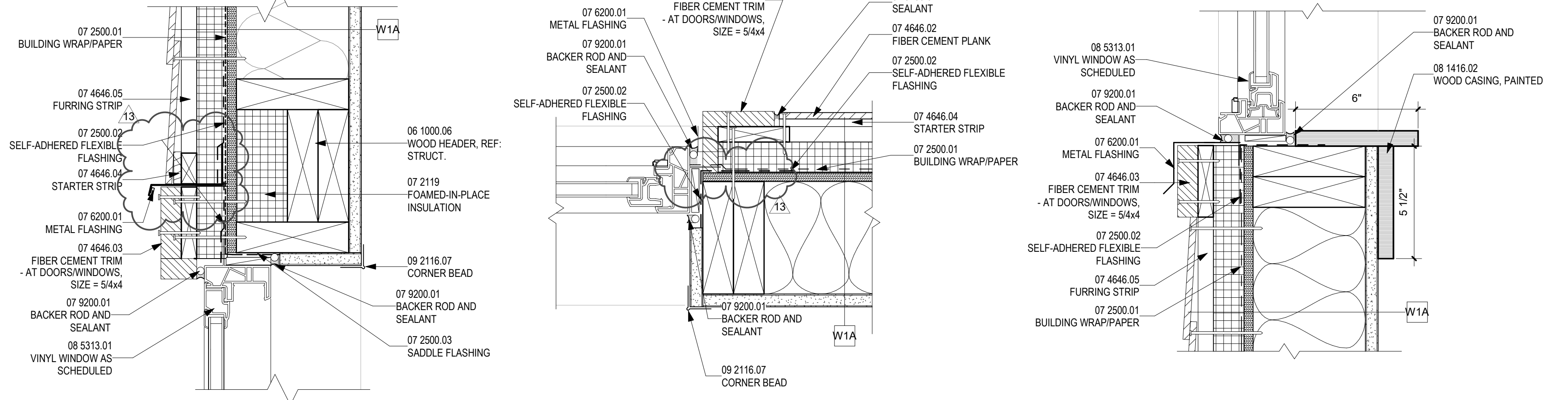
3" = 1'-0"

D2 DOOR JAMB @ EXTERIOR WALL

3" = 1'-0"

D3 UNIT ENTRY DOOR THRESHOLD

3" = 1'-0"



C1 WINDOW HEAD @ EXTERIOR WALL - VINYL

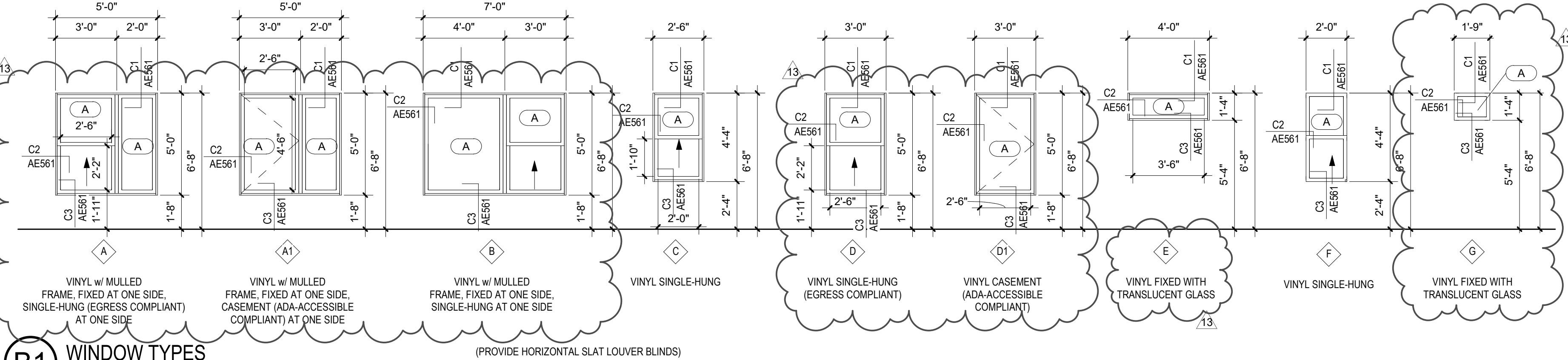
3" = 1'-0"

C2 WINDOW JAMB @ EXTERIOR WALL

3" = 1'-0"

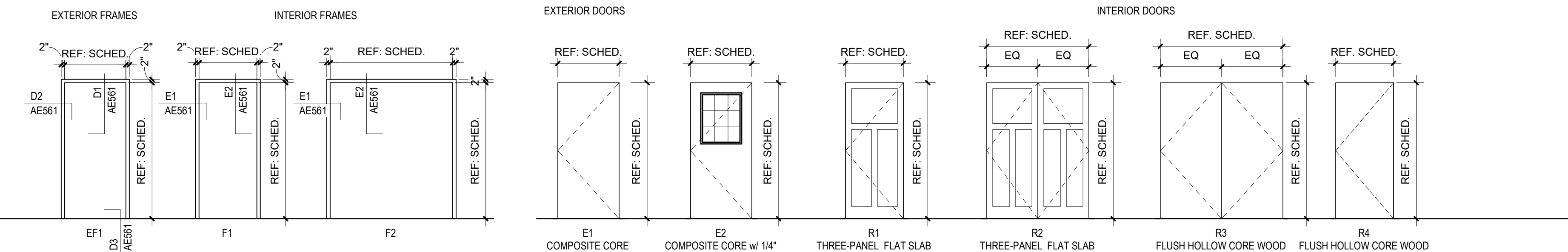
C3 WINDOW SILL @ PLANK

3" = 1'-0"



B1 WINDOW TYPES

1/4" = 1'-0"



A1 DOOR FRAME TYPES

1/4" = 1'-0"

A3 DOOR TYPES

1/4" = 1'-0"

DOOR AND FRAME SCHEDULE -- REFERENCE DETAILS THIS SHEET								
	DOOR				FRAME			
	SIZE							
NUMBER	WIDTH	HEIGHT	THK	TYPE	MAT	TYPE	MAT	REMARKS
100	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
103	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
105	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
106	4'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
107	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
108	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
109	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
110	3'- 0"	6'- 8"	1 3/4"	E1	HM	EF1	WD	
120	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
123	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
125	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
126	4'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
127	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
128	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
129	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
130	3'- 0"	6'- 8"	1 3/4"	E1	COM	EF1	WD	
200	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
203	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
204	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
205	2'- 6"	6'- 8"	1 3/4"	R4	WD	F1	WD	
206	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
207A	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
207B	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
209	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
210	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
211	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
212	3'- 0"	6'- 8"	1 3/4"	E1	COM	EF1	WD	
220	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
223	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
224	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
225	2'- 6"	6'- 8"	1 3/4"	R4	WD	F1	WD	
226	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
227A	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
227B	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
229	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
230	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
231	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
232	3'- 0"	6'- 8"	1 3/4"	E1	COM	EF1	WD	
300	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
301	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
302	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
303	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
306	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
307	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
308	2'- 6"	6'- 8"	1 3/4"	R1	WD	F1	WD	
309	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
310	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
312	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
313	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
314	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
315	3'- 0"	6'- 8"	1 3/4"	E1	COM	EF1	WD	
A100	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
A103	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
A104	4'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A106	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
A107	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A108	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A109	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A110	3'- 0"	6'- 8"	1 3/4"	E1	HM	EF1	WD	
A200	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
A203	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
A204	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
A205	2'- 10"	6'- 8"	1 3/4"	R4	WD	F1	WD	
A206	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A207A	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A207B	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A209	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A210	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A211	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A212	3'- 0"	6'- 8"	1 3/4"	E1	COM	EF1	WD	
A300	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
A301	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A302	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A303	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A306	3'- 0"	6'- 8"	1 3/4"	E2	COM	EF1	WD	
A307	5'- 0"	4'- 8"	1 3/4"	R3	WD	F2	WD	
A308	2'- 10"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A309	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A310	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A312	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A313	3'- 0"	6'- 8"	1 3/4"	R1	WD	F1	WD	
A314	5'- 0"	6'- 8"	1 3/4"	R2	WD	F2	WD	
A315	3'- 0"	6'- 8"	1 3/4"	E1	COM	EF1	WD	

GENERAL SHEET NOTES

- REFER TO SHEET AE01 FOR EXPLANATION OF ENCLOSURE ASSEMBLIES.
- REFER TO SHEET AE02 FOR ENCLOSURE CONTINUITY FOR CONTROL LAYER CONTINUITY INTENT.
- PROVIDE BACKING FOR SECURING WALL MOUNTED ITEMS.
- EXTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR EXTERIOR WALL TYPE DESCRIPTIONS.
- INTERIOR WALLS TO BE TYPE W1, UNLESS NOTED OTHERWISE. REF. G1000 FOR INTERIOR WALL TYPE DESCRIPTIONS.
- ROOFS TO BE TYPE R1, UNLESS NOTED OTHERWISE. REF. G1000 FOR ROOF TYPE DESCRIPTIONS.
- AT BUILDING SECTIONS, ROOF TRUSS LOCATIONS SHOWN FOR REFERENCE ONLY. REFERENCE STRUCTURAL DRAWINGS FOR ACTUAL ROOF TRUSS LOCATIONS.
- AT BUILDING SECTIONS, ROOF TRUSS DIAGONALS SHOWN FOR REFERENCE ONLY. ACTUAL ROOF TRUSS DIAGONALS TO BE DETERMINED BY MANUFACTURER.
- DIRECT WATER AWAY FROM BUILDING WALLS AND FOUNDATIONS BY SLOPING THE EXTERIOR GRADE AWAY FROM THE BUILDING AND PROVIDING A COBBLE RUN-DOWN AT EACH ROOF DRAIN DOWNSPOUT.
- REFER TO MECHANICAL SHEETS FOR DUCT AND ROOF PENETRATION LOCATIONS.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING LEGENDS FOR DESCRIPTION OF MECHANICAL SYMBOLS.
- SIZE/LOCATION OF RADON SYSTEM IS FOR REFERENCE ONLY. TO BE DESIGNED AND INSTALLED BY OWNER'S VENDOR PER REQ'S OF AUTHORITIES HAVING JURISDICTION.
- FOR WINDOW TYPES A, A1 & B, VERIFY FIXED WINDOW SIDE PER ELEVATIONS AND PLANS.
- PROVIDE R-5 BLANKET INSULATION OVER FIRE SPRINKLER SYSTEM AND DUCTWORK.
- ALL EXTERIOR DOORS AND OPERABLE WINDOWS TO RECEIVE WEATHERSTRIPPING AND SEALED.
- INSTALL INSULATION TO BE INSTALLED TO RESNET GRADE 1 STANDARDS.
- DUCTS, FLUES, SHAFTS, PLUMBING, PIPING, WIRING, EXHAUST FANS, & OTHER PENETRATIONS TO UNCONDITIONED SPACE SEALED, WITH BLOCKING / FLASHING AS NECESSARY.

REFERENCE KEYNOTES

- | | |
|------------|--------------------------------|
| 03 0516.01 | UNDER SLAB VAPOR RETARDER |
| 03 3000.04 | CONCRETE SLAB ON GRADE |
| 03 3000.08 | EXPANSION/ISOLATION JOINT |
| 03 3000.19 | GRAVEL BASE |
| 06 1000.06 | WOOD HEADER, REF. STRUCT. |
| 06 1000.10 | SHIM AS REQUIRED |
| 07 2119 | FOAMED-IN-PLACE INSULATION |
| 07 2500.01 | BUILDING WRAPPAPER |
| 07 2500.02 | SELF-ADHERED FLEXIBLE FLASHING |
| 07 2500.03 | SADDLE FLASHING |
| 07 2500.04 | FIBER CEMENT PLANK |
| 07 4646.02 | FIBER CEMENT TRIM |
| 07 4646.04 | STARTER STRIP |
| 07 4646.05 | FURRING STRIP |
| 07 6200.01 | METAL FLASHING |
| 07 6200.02 | BACKER ROD AND SEALANT |
| 07 6200.03 | SEALANT |
| 08 1416.01 | WOOD DOOR |
| 08 1416.02 | WOOD CASING, PAINTED |
| 08 5313.01 | VINYL WINDOW AS SCHEDULED |
| 09 2116.07 | CORNER BEAD |

EXTERIOR WALL TYPES

REFERENCE SHEET G1000

- | | |
|----|---|
| W1 | EXTERIOR WALL (LOAD-BEARING)
FIBER CEMENT HORIZONTAL LAP SIDING w/ 1x SUB-FRAMING/FURRING STRIP AT 16" ON CENTER, ON 1/2" RIGID INSULATION (R-7.5) ON BUILDING WRAPPAPER (SEAL ALL SEAMS) ON 7/16" OSB SHEATHING ON 2x6 STUDS AT 16" ON CENTER, WITH R-19 GLASS FIBER BATT INSULATION AND 1/2" GYPSUM BOARD ON INTERIOR. |
| W2 | EXTERIOR WALL (LOAD-BEARING)
FIBER CEMENT HORIZONTAL LAP SIDING, ON BUILDING WRAPPAPER (SEAL ALL SEAMS) ON OSB SHEATHING ON 2x4 STUDS AT 16" O.C., WITH 1/2" GYPSUM BOARD ON INT'R.
TYPE W2A - SAME AS W2 EXCEPT NO GYPSUM BOARD |

INTERIOR WALL TYPES

REFERENCE SHEET G1000

- | | |
|-----|--|
| D1 | INTERIOR SEPARATION WALL - 1 HOUR FIRE RATING (LOAD-BEARING) - UL 1242
ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON 1/2" CLARK DUE TECH RD DELUXE RESILIENT CHANNEL (@ 24" O.C.) ONE SIDE ON 2x4 STUDS (@ 24" O.C.) STAGGERED ON 2x6 PLATES (STAGGERED @ 12" O.C.), UNFACED SOUND BATT INSULATION FULL DEPTH OF CAVITY WITH 5/8" TYPE "X" GYPSUM BOARD AT OPPOSITE SIDE. |
| 51A | INTERIOR PARTITION WALL (NON-LOAD BEARING)
(1) LAYERS 1/2" GYPSUM BOARD (EACH SIDE) ON 2x4 STUDS AT 16" ON CENTER.
TYPE 51B - SAME AS 51A EXCEPT 2x6 STUDS.
TYPE 52A - SAME AS 51A EXCEPT GYPSUM BOARD ONE SIDE ONLY.
TYPE 52C - SAME AS 52A EXCEPT 2x2 STUDS |
| 52A | INTERIOR PARTITION WALL (NON-LOAD BEARING)
ONE LAYER 1/2" GYPSUM BOARD (ONE SIDE) ON 2x4 STUDS AT 16" ON CENTER.
TYPE 52B - SAME AS 52A EXCEPT 2x6 STUDS |

ROOF TYPES

- | | |
|----|---|
| R1 | ROOF ASSEMBLY - NON RATED.
PRO-PANEL ROOFING PANEL ON OSB SHEATHING WITH WATER RESISTIVE UNDERLAYMENT ON 2x FRAMED ROOF TRUSS (REF. STRUCTURAL FOR TRUSS SIZE AND DETAILS) WITH R-38 GLASS FIBER BATT INSULATION (OR EQUIVALENT) AT TRUSS TOP CHORD AND 1/2" GYPSUM BOARD ON INTERIOR. |
|----|---|

FLOOR TYPES

- | | |
|----|---|
| F1 | FLOOR ASSEMBLY
4" CONCRETE SLAB PER STRUCTURAL ON 15 MIL VAPOR BARRIER ON 4" COMPACTED GRAVEL BASE.
NOTE: AT SLAB EDGE, PROVIDE 2'-0" MINIMUM (VERTICAL) 2" RIGID INSULATION. |
| F2 | FLOOR ASSEMBLY
3/4" PLYWOOD DECKING ON 2x6 FRAMING WITH 2x6 LEDGER BOARDS. |

GLAZING LEGEND

MARK	DESCRIPTION
A	3/4" INSULATED TEMPERED GLASS

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BID PACKAGE #4 - TEACHERAGES
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100% SUBMITTAL

REVISIONS

1/10/2021 ASB/001

AW
RW/JM
12.10.2020
20-7002.005

DRAWN BY

REVIEWED BY

DATE

PROJECT NO

DRAWING NAME

DOOR / WINDOW /
FRAME TYPES,
DETAILS AND
SCHEDULES

SHEET NO

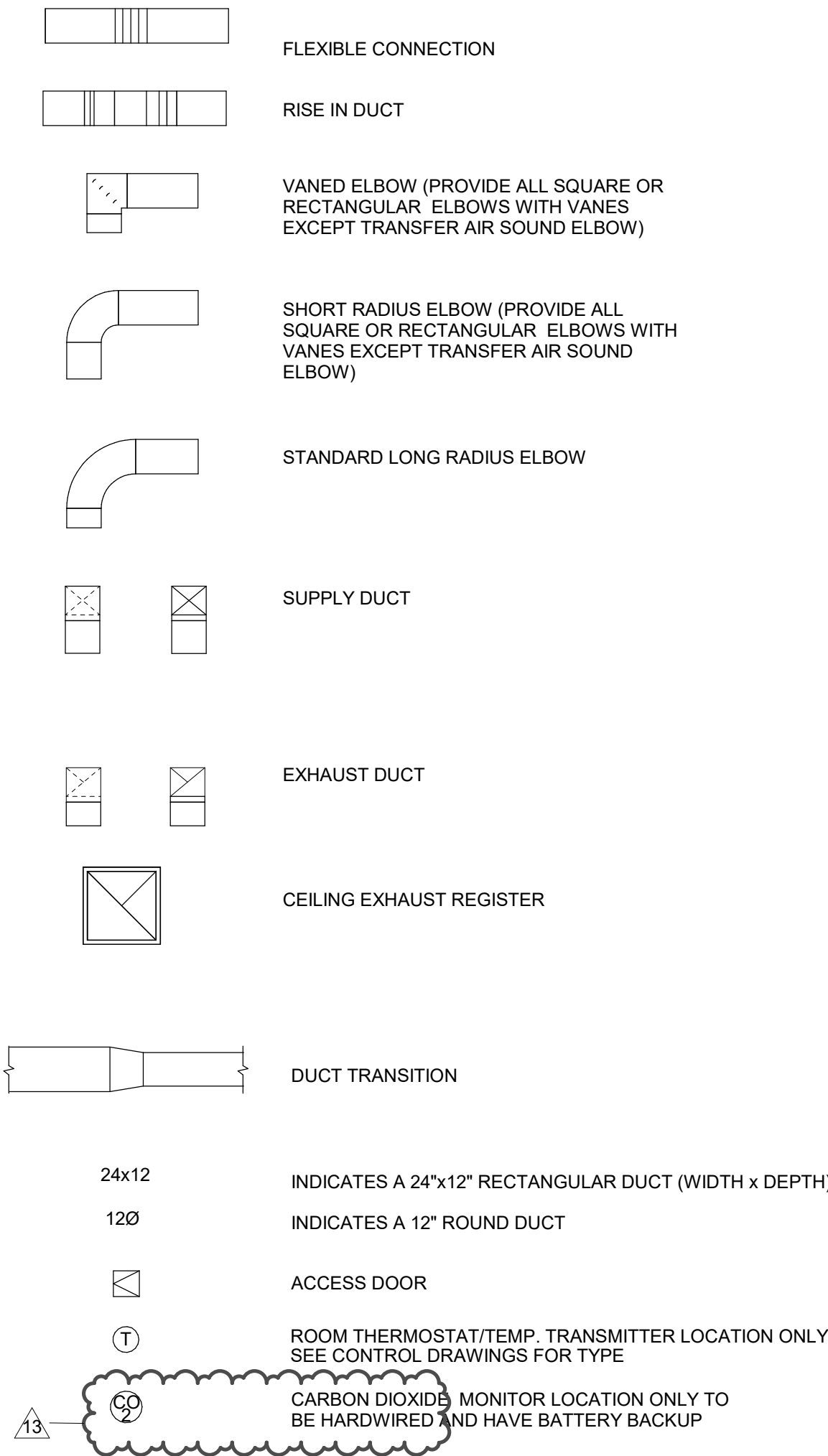
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ABBREVIATIONS

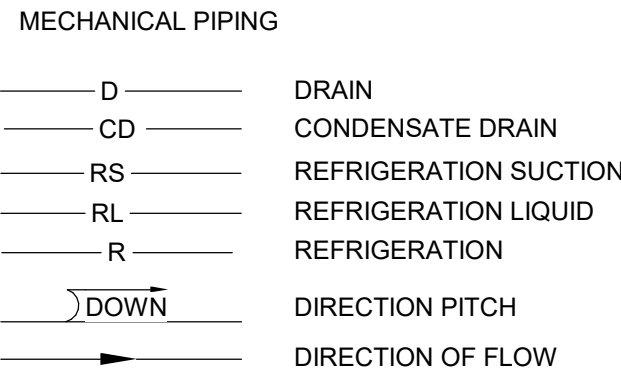
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTIC LINING
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CONT.	CONTINUATION
D	DRAIN
DX	DIRECT EXPANSION
ENT	ENTERING
EXH	EXHAUST
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
°F	DEGREES FAHRENHEIT
FB	FLAT BOTTOM
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
F.G.	FILTER GAUGE
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FLAT TOP
FT.	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HAND DAMPER (VOLUME DAMPER)
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
IN	INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
MA	MAIN AIR (CONTROLS)
MCC	MOTOR CONTROL CENTER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY)
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
QTY	QUANTITY
QUAD	QUADRANT
R.A.	RETURN AIR
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SCD	SMOKE CONTROL DAMPER
SP	STATIC PRESSURE (INCHES OF WATER)
SDVV	SINGLE DUCT VARIABLE VOLUME
ST	SOUND TRAP
TOPT	TOP OF PIPE TRAPEZE
TP	TOTAL PRESSURE (INCHES OF WATER)
TYP.	TYPICAL
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VTR	VENT THRU ROOF

MECHANICAL SYMBOL LEGEND

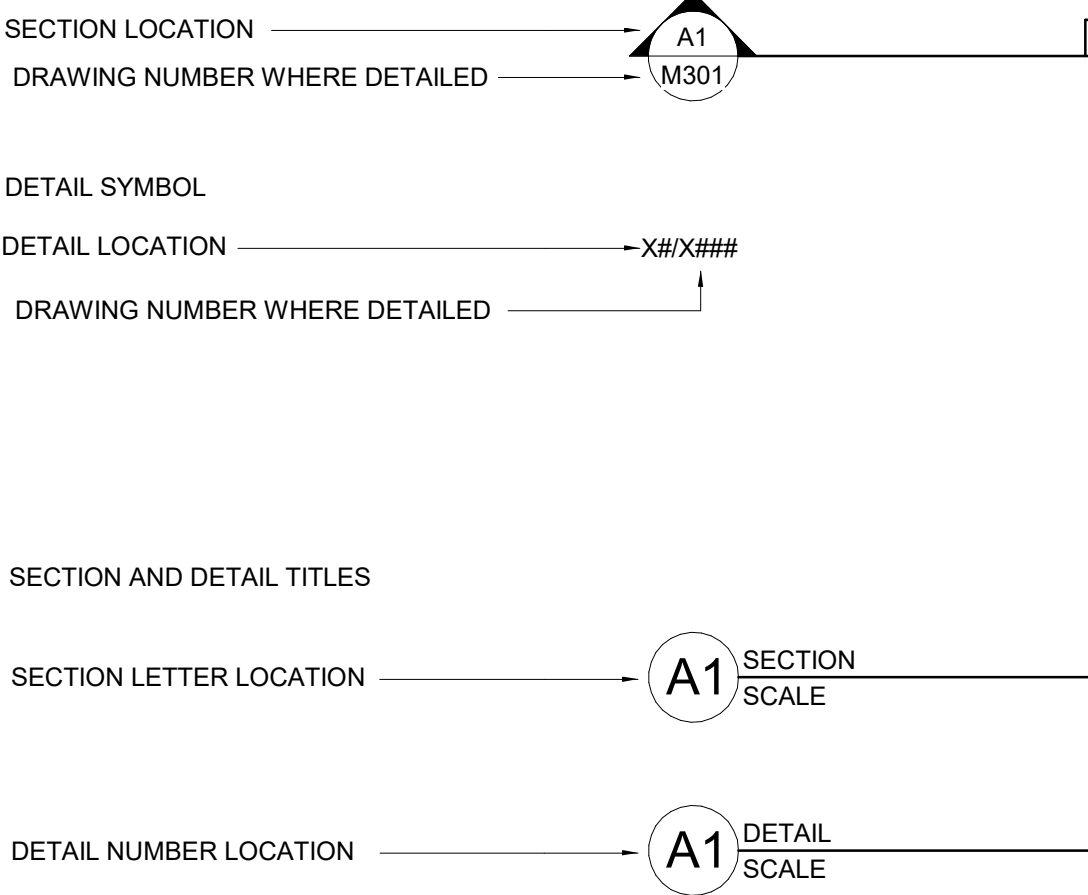
DUCTWORK SYMBOLS



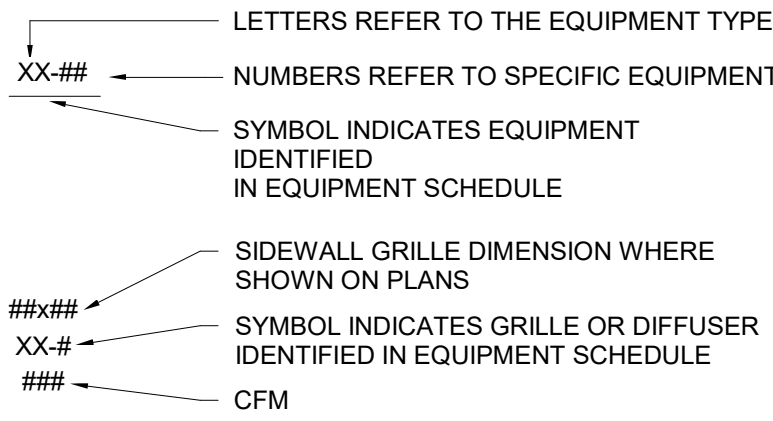
PIPING SYMBOLS



SECTION SYMBOL



EQUIPMENT SYMBOLS



NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

GENERAL NOTES

- ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS, UNLESS OTHERWISE NOTED.
- PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FANS, CONTROLS, ETC. THEY SHALL BE FURNISHED UNDER DIVISION 23 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. ACCESS DOOR RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.
- COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, REGISTERS, ACCESS DOORS, ETC., WITH THE ARCHITECTURAL REFLECTED CEILING PLAN(S).
- ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE.
- THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. ALL DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS. PROVIDE ONE INCH ACOUSTICAL LINING (TYPE D3 INSULATION) IN LOW VELOCITY RECTANGULAR DUCTWORK FOR THE FIRST 10 DIAMETERS OF DUCTWORK CONNECTED TO DEVICE, OR AS INDICATED ON DRAWINGS, WHICHEVER IS GREATER. FOR THE REMAINDER OF THIS DUCTWORK PROVIDE AS INDICATED IN THE INSULATION SPECIFICATIONS.
- PROVIDE TURNING VANES IN ALL SQUARE ELBOWS, EXCEPT TRANSFER AIR SOUND ELBOWS.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. PROVIDE APPROVED FIRE DAMPERS IN ALL REQUIRED PENETRATIONS FOR DUCTWORK, GRILLES, REGISTERS AND DIFFUSERS. ALL PIPE AND DUCTWORK PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. APPROVED FIRE PROOF CAULKING MATERIAL.
- CONTRACTOR SHALL COORDINATE ALL DUCTWORK, PIPING, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT, ETC., AS MAY BE REQUIRED TO ADEQUATELY SUPPORT THE MECHANICAL PIPING, DUCTWORK, AND EQUIPMENT IN A MANNER APPROVED BY THE ARCHITECT, WHICH WILL NOT OVERLOAD THE BUILDING STRUCTURAL SYSTEM.
- SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, DUCT WALL PENETRATIONS AND FITTING CONNECTIONS ON ALL DUCT SYSTEMS.
- MECHANICAL ITEMS SUCH AS ROOF DRAINS, FLOOR DRAINS, PLUMBING FIXTURES, ETC. SHOWN ON THE ARCHITECTURAL DRAWINGS BUT NOT SHOWN ON THE MECHANICAL DRAWINGS SHALL BE INCLUDED IN THE PROJECT. THESE ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR INCLUSION IN ADDENDUM.

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ARCHITECTURE
DESIGN
INSPIRATION

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Exp. 06/18/2021
REGISTERED
PROFESSIONAL
ARCHITECT
STATE OF NEW MEXICO
EXPIRES 03/31/2023

PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS	
13	01-06-21 ADD-001T
DRAWN BY	RKS
REVIEWED BY	AS
DATE	12-10-2020
PROJECT NO	20-7002.005

DRAWING NAME
MECHANICAL
LEGEND

SHEET NO
M-001

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Bridges & Paxton Project No. 8183

GENERAL SHEET NOTES

- FOR INFORMATION ON LOW PRESSURE DUCT FITTINGS, SEE DETAIL C5M-501.
- ALL OVERHEAD EQUIPMENT, PIPING AND DUCTWORK, IS TO BE SUSPENDED FROM STRUCTURAL MEMBERS.
- PROVIDE REMOTE ACCESS PROGRAMABLE THERMOSTATS FOR EACH HEAT PUMP.
- SEE SITE PLAN FOR PLAN ORIENTATION.
- PROVIDE CO MONITORS FOR EACH UNIT, HARD-WIRED WITH BATTERY BACKUP.
- SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES, AND ENTRY POINTS WITH APPROPRIATE CAULKING AND INSTALL RODENT-PROOF SCREENS ON ALL OPENINGS GREATER THAN 1/4"
- PROVIDE DRAIN PAN AND ASSOCIATED PIPING TO FLOOR SINK FOR LEED/ENERGY STAR V3 PURPOSES.

SHEET KEYNOTES

- INDOOR VERTICAL SPLIT SYSTEM MOUNTED 24" HIGH ANGLE IRON STAND WITH A HEAVY GAUGE SHEET METAL INTAKE PLENUM. SEE PIPE DIAGRAM E2M-501. DUCT DISCHARGE FROM TOP OF UNIT BETWEEN TRUSSES.
- 6" DIAMETER EXHAUST UP BETWEEN TRUSS THROUGH 8" ROOF CURB TO GOOSENECK. SEE DETAIL E2M-501. COORDINATE LOCATION WITH TRUSS SPACING. COORDINATE LOCATION OF FAN BETWEEN TRUSSES. WALL MOUNTED FAN SWITCH WITH VENTILATION CONTROL & DELAY TIMER TO BE PROVIDED BY DIVISION 23 AND INSTALLED UNDER DIVISION 26. SEE CONTROL DIAGRAM AND VENTILATION CALCULATION ON SHEET M1601.
- 4" DRYER VENT THROUGH WALL TO LOUVERED HOOD LOCATED AT 24" AFF.
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C5 MECHANICAL ROOF PLAN - 1BD/1BA DUPLEX

1/4" = 1'-0"

0' 2' 4' 8'

A5 HVAC PLAN - 1BD/1BA DUPLEX

1/4" = 1'-0"

0' 2' 4' 8'

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ARCHITECTURE
DESIGN
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SEAL



EXPIRES 03/31/2023

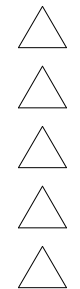
PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS

13 01-06-21 ADD-001T



DRAWN BY RKS/ZH

REVIEWED BY AS

DATE 12-10-2020

PROJECT NO 20-7002.005

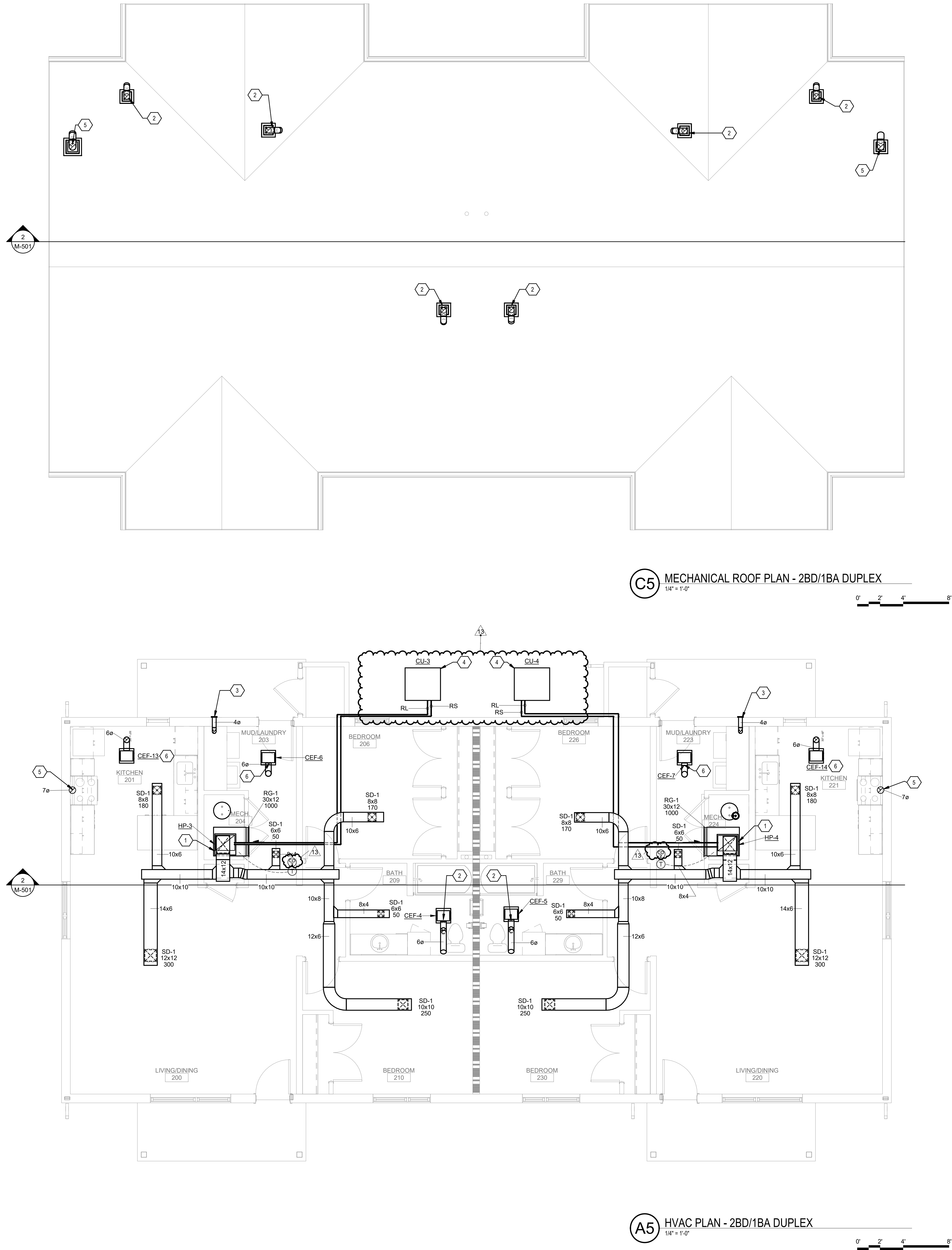
DRAWING NAME

HVAC PLAN -
1BD/1BA DUPLEX

SHEET NO

MH101

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GENERAL SHEET NOTES

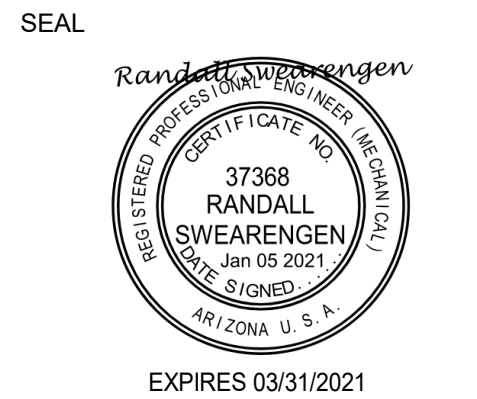
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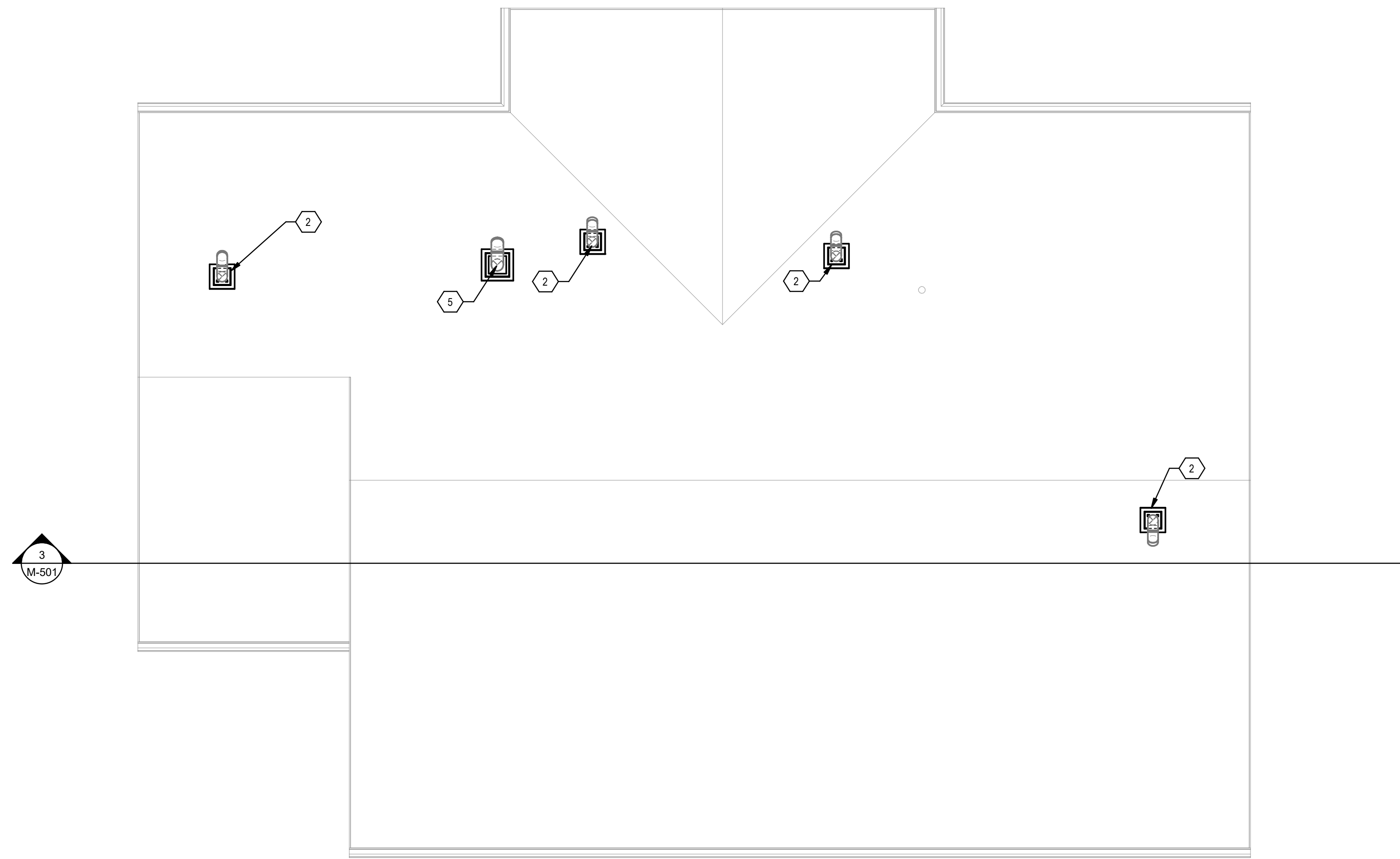
Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

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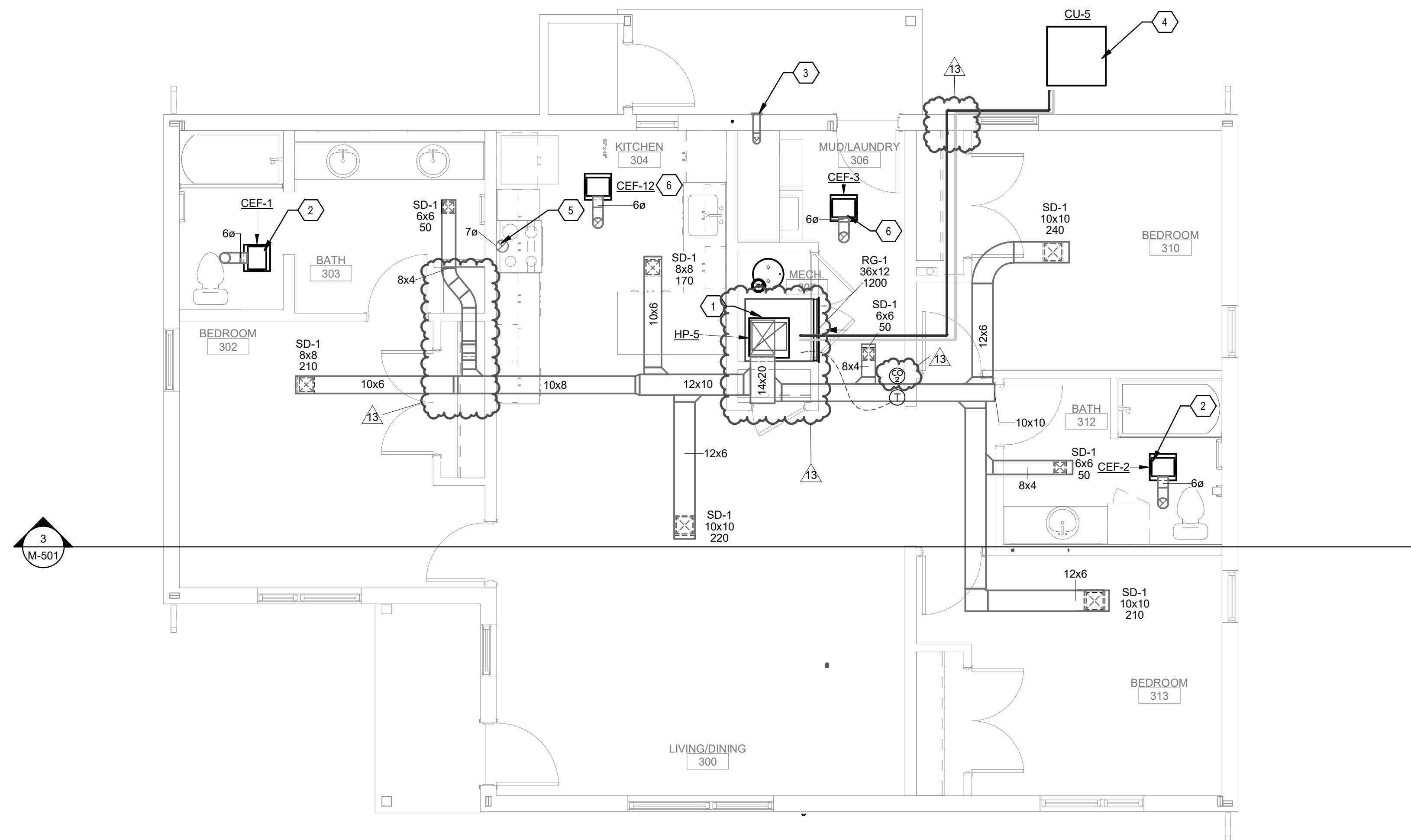
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DRAWN BY		RKS/ZH
REVIEWED BY		AS
DATE		12-10-2020
PROJECT NO		20-7002.005

DRAWING NAME
**HVAC PLAN -
2BD/1BA DUPLEX**

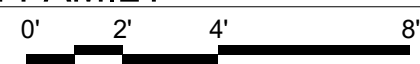
SHEET NO
MH102



(C5) MECHANICAL ROOF PLAN - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"



(A5) HVAC PLAN - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"



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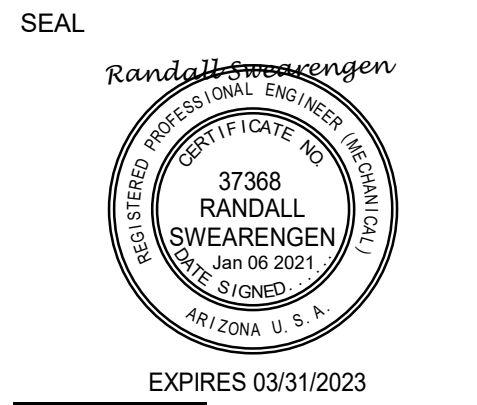
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PROJECT

Teacherages
Lukachukai Community Schools
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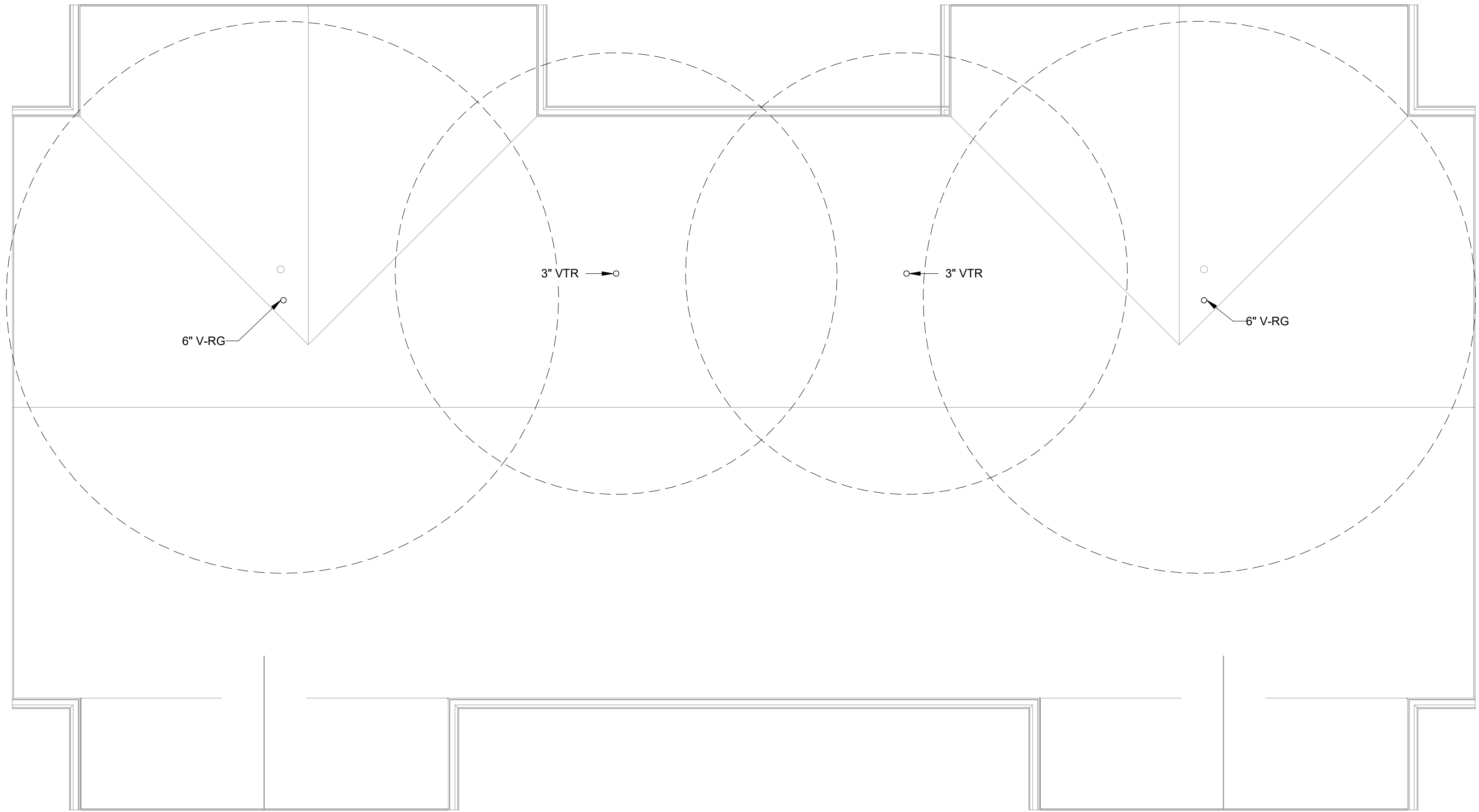
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REVISIONS		
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REVIEWED BY		AS
DATE		12-10-2020
PROJECT NO		20-7002.005

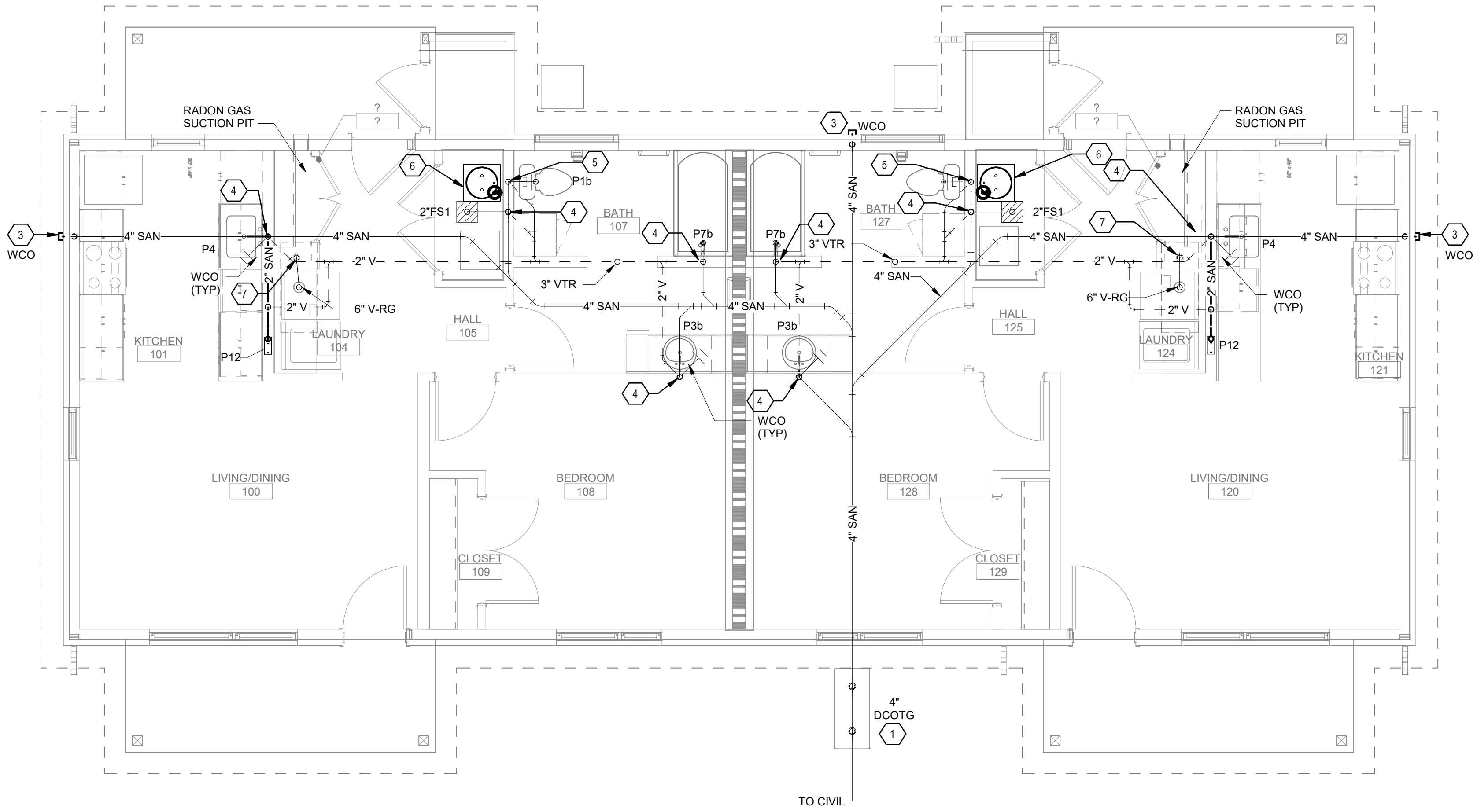
DRAWING NAME
**HVAC PLAN -
3BD/2BA
SINGLE-FAMILY**

SHEET NO
MH103

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Bridgers & Paxton Project No. 8183



C5 PLUMBING ROOF PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"
0' 2' 4' 8'



A5 WASTE & VENT PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"
0' 2' 4' 8'

GENERAL SHEET NOTES

- A. AREFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- C. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- D. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL.
- E. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- F. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- G. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
- H. SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES, AND ENTRY POINTS WITH APPROPRIATE CAULKING AND INSTALL RODENT-PROOF SCREENS ON ALL OPENINGS GREATER THAN 1/4".
- I. PROVIDE DRAIN PAN AND ASSOCIATED PIPING TO FLOOR SINK FOR LEEDIENERGY STAR V3 PURPOSES
- J. FOR RADON GAS SUCTION PUT DETAILS, SEE ARCHITECTURAL PLANS.

SHEET KEYNOTES

1. INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL A5/P-501.
2. INSTALL 2" FLOOR SINK IN ACCORDANCE WITH DETAIL C3/P-501.
3. INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL A2/P-501.
4. 2" SAN PIPING DOWN TO FLOOR BELOW. 2" VENT PIPING UP TO CEILING ABOVE.
5. 4" SAN PIPING DOWN TO FLOOR BELOW. 2" VENT PIPING UP TO CEILING ABOVE.
6. DRAIN PAN TO DRAIN OVER TO FLOOR SINK BELOW. MECHANICAL PLATFORM.
7. 6" V-RG PIPING TO RISE UP FROM RADON PIT AND EXTEND BELOW SLAB.

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DESIGN
INSPIRATION



Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

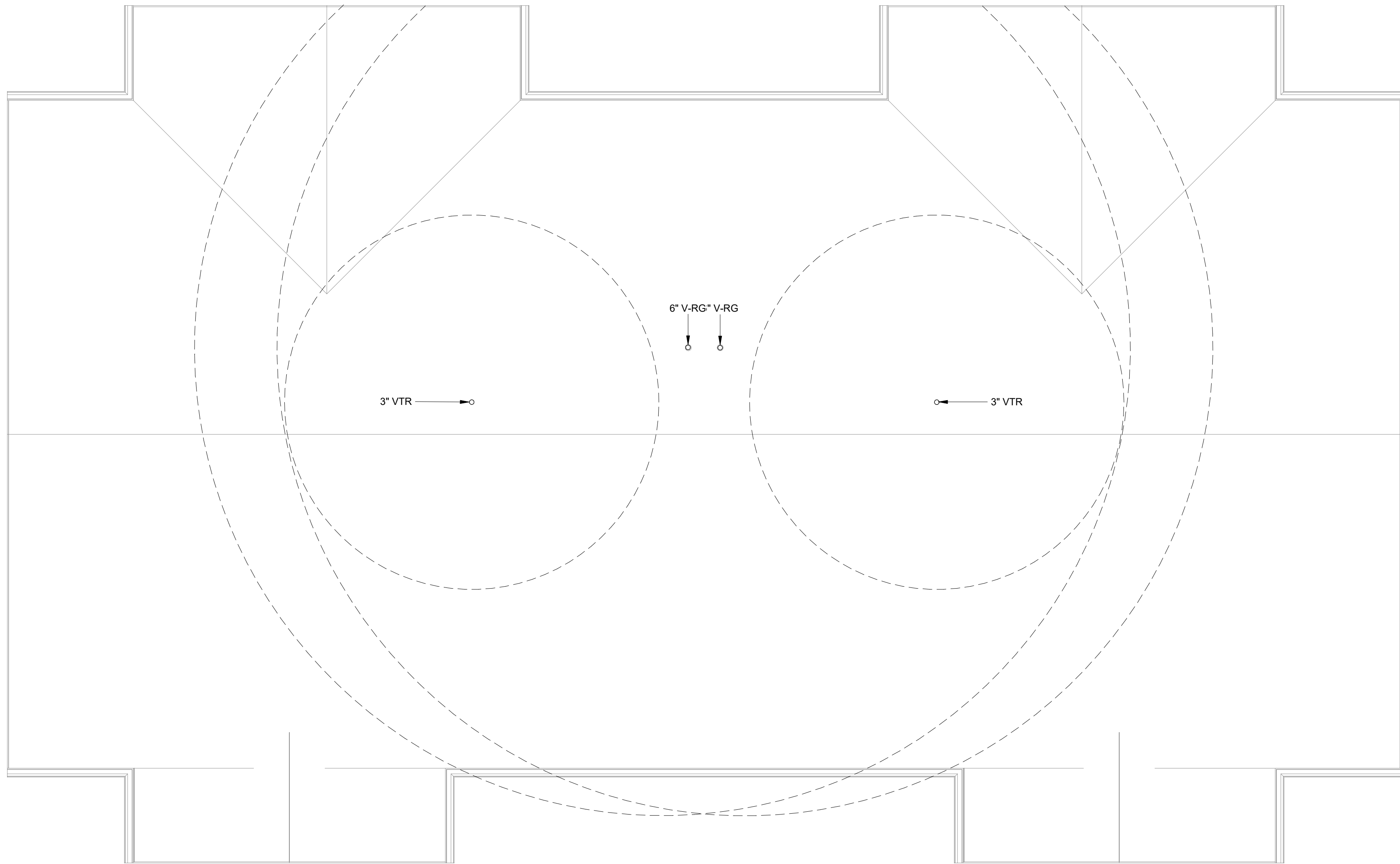
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PROJECT NO		20-7002.005

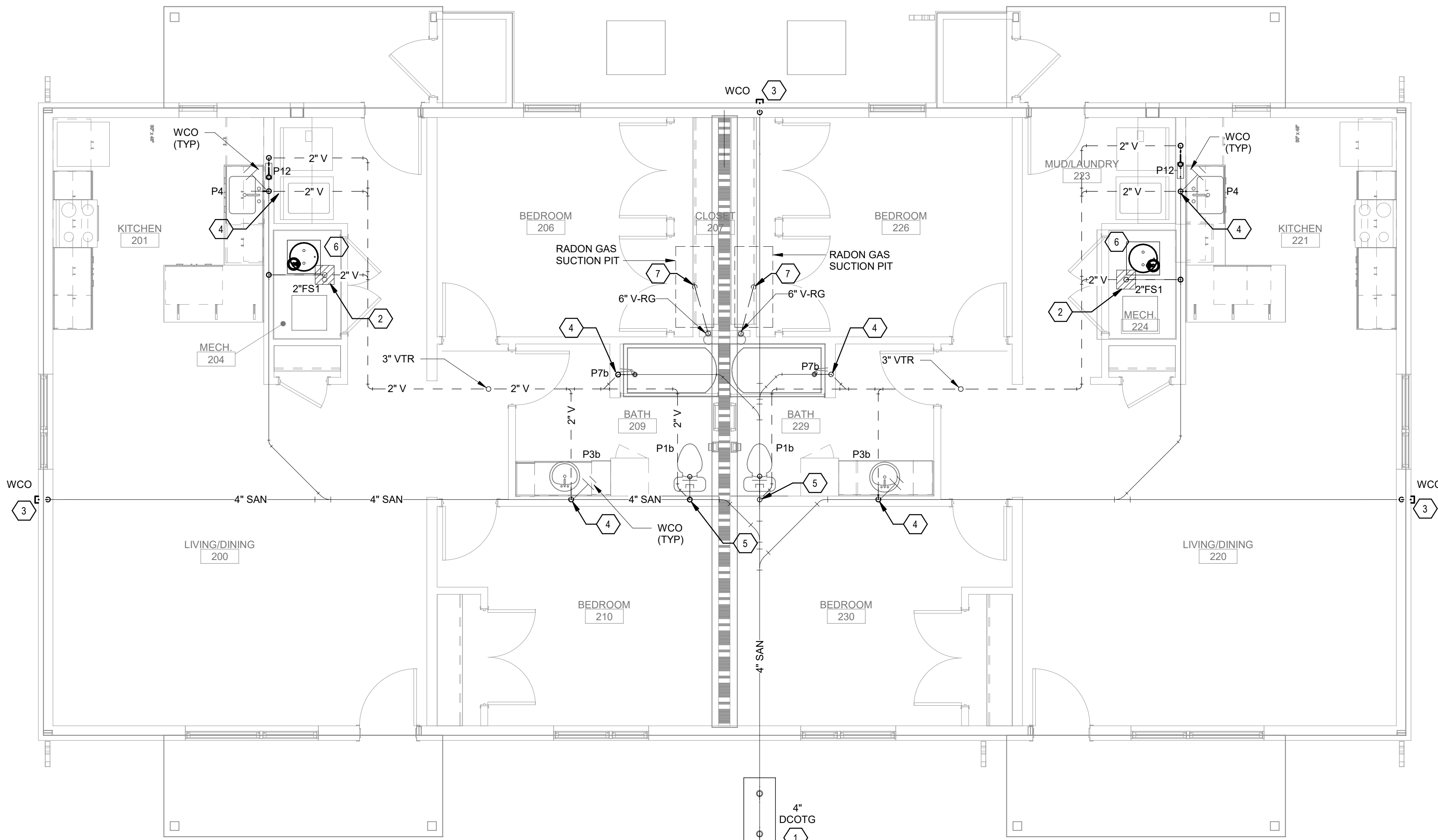
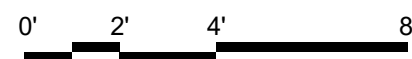
DRAWING NAME
WASTE & VENT
PLAN - 1BD/1BA
DUPLEX

SHEET NO
PL101

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Bridgers & Paxton Project No. 8183



C5 PLUMBING ROOF PLAN - 2BD/1BA DUPLEX
1/4" = 1'-0"



A5 WASTE & VENT PLAN - 2BD/1BA DUPLEX
1/4" = 1'-0"



GENERAL SHEET NOTES

- REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL.
- COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
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- REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
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- PROVIDE DRAIN PAN AND ASSOCIATED PIPING TO FLOOR SINK FOR LEEDENERGY STAR V3 PURPOSES
- FOR RADON GAS SUCTION PUT DETAILS, SEE ARCHITECTURAL PLANS.

SHEET KEYNOTES

- INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL A5/P-501.
- INSTALL 2" FLOOR SINK IN ACCORDANCE WITH DETAIL C3/P-501.
- INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL A2/P-501.
- 2" SAN PIPING DOWN TO FLOOR BELOW; 2" VENT PIPING UP TO CEILING ABOVE.
- 4" SAN PIPING DOWN TO FLOOR BELOW; 2" VENT PIPING UP TO CEILING ABOVE.
- DRAIN PAN TO DRAIN OVER TO FLOOR SINK BELOW MECHANICAL PLATFORM.
- 6" V-RG PIPING TO RISE UP FROM RADON PIT AND EXTEND BELOW SLAB.

DEKKER
PERICH
SABATINI

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DESIGN
INSPIRATION

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SEAL

Randall Wearengen

37368
RANDALL
WEARENGEN
Exp. 03/31/2023
DESIGNED
STATE OF NEW MEXICO
EXPIRES 03/31/2023

PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS
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DRAWN BY JRS/AGS
REVIEWED BY AS
DATE 12-10-2020
PROJECT NO 20-7002.005
DRAWING NAME
WASTE & VENT
PLAN - 2BD/1BA
DUPLEX
SHEET NO
PL102

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Bridgers & Paxton Project No. 8183

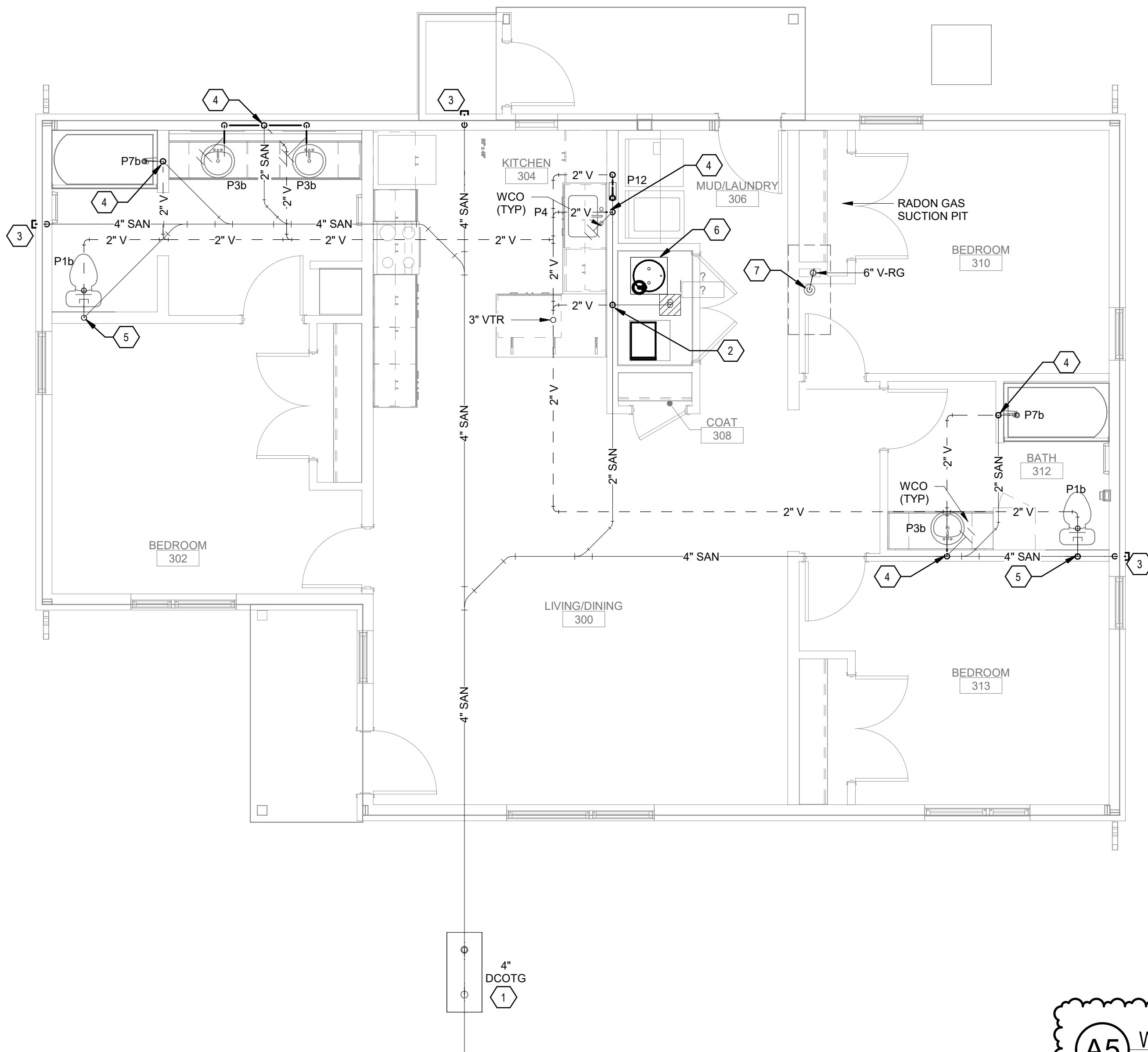
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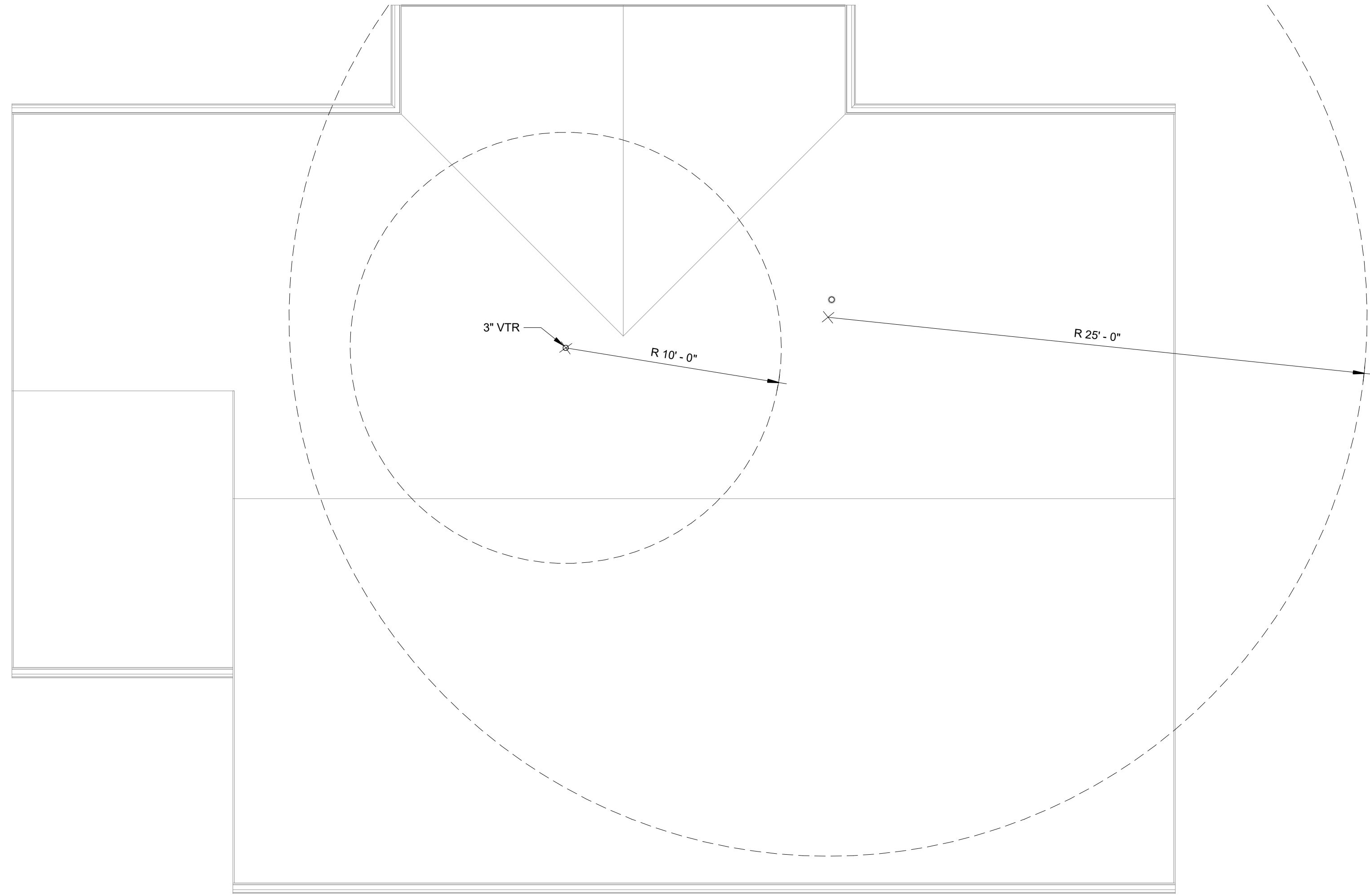
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A5 WASTE & VENT PLAN - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"

C5 PLUMBING ROOF PLAN - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"



GENERAL SHEET NOTES

- REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
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- PROVIDE DRAIN PAN AND ASSOCIATED PIPING TO FLOOR SINK FOR LEEDENERGY STAR V3 PURPOSES
- FOR RADON GAS SUCTION PUT DETAILS, SEE ARCHITECTURAL PLANS.

SHEET KEYNOTES

- INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL A5/P-501.
- INSTALL 2" FLOOR SINK IN ACCORDANCE WITH DETAIL C3/P-501.
- INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL A2/P-501.
- 2" SAN PIPING DOWN TO FLOOR BELOW, 2" VENT PIPING UP TO CEILING ABOVE.
- 4" SAN PIPING DOWN TO FLOOR BELOW, 2" VENT PIPING UP TO CEILING ABOVE.
- DRAIN PAN TO DRAIN OVER TO FLOOR SINK BELOW MECHANICAL PLATFORM.
- 6" V-RG PIPING TO RISE UP FROM RADON PIT AND EXTEND BELOW SLAB.

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37368 RANDALL
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REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03/31/2023

PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS

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DRAWN BY

JRS/AGS

REVIEWED BY

AS

DATE

12-10-2020

PROJECT NO

20-7002.005

DRAWING NAME

WASTE & VENT
PLAN - 3BD/2BA
SINGLE-FAMILY

SHEET NO

PL103

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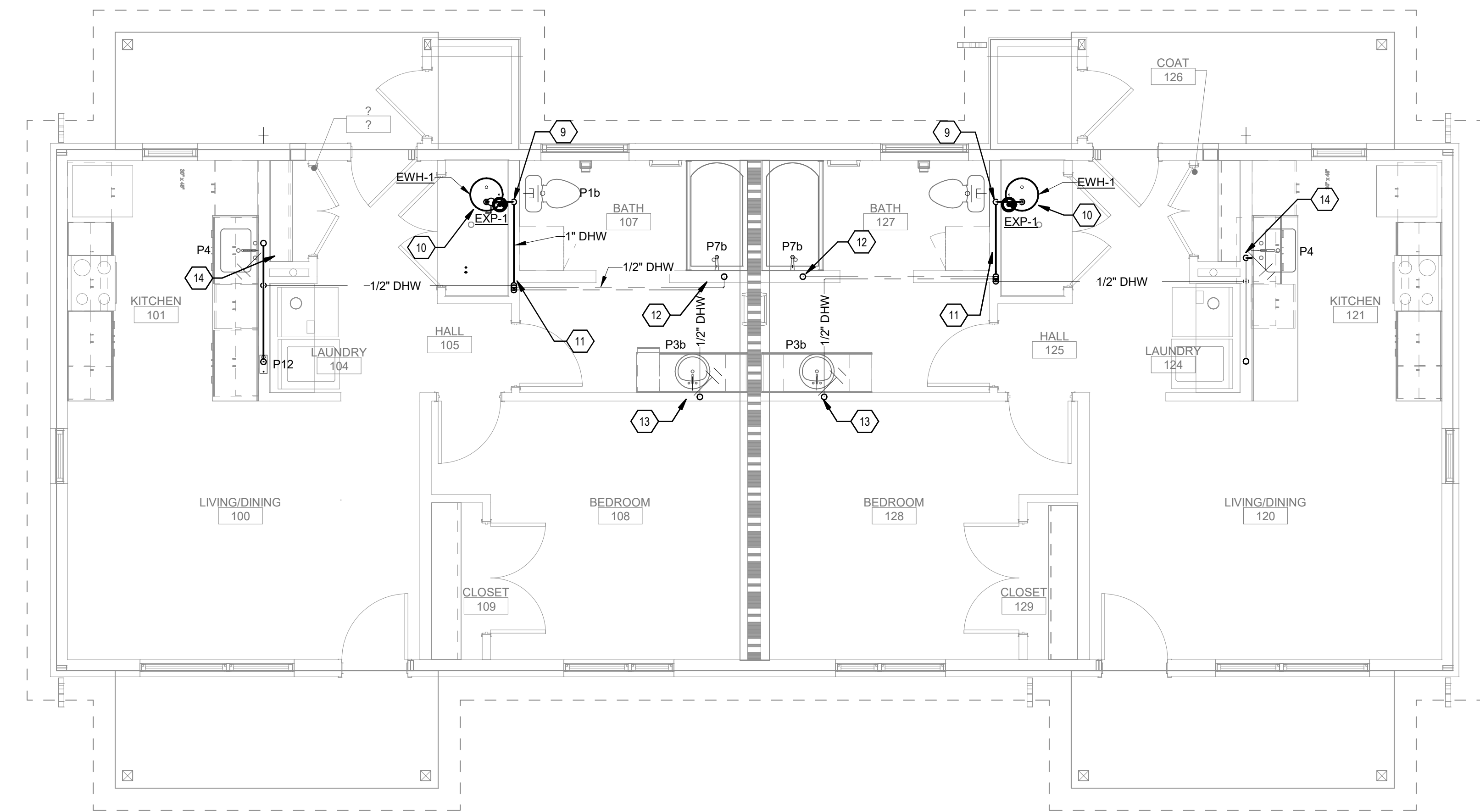
Bridges & Paxton Project No. 8183

GENERAL SHEET NOTES

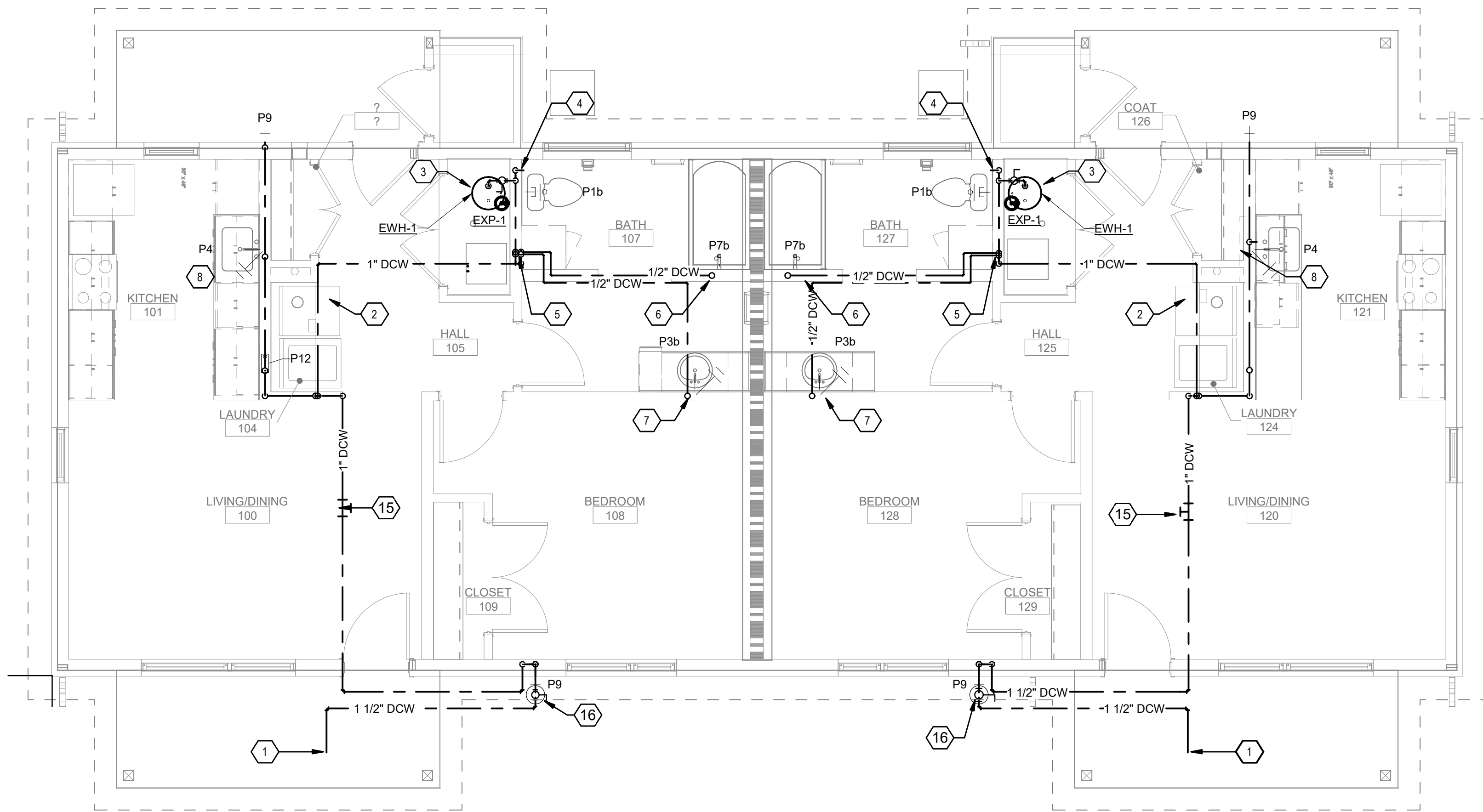
A. ALL OVERHEAD EQUIPMENT AND PIPING IS TO BE SUSPENDED FROM STRUCTURAL MEMBERS.

SHEET KEYNOTES

- 1-1/2" DCW IN SEE CIVIL SITE PLAN FOR CONTINUATION.
- 1" DCW RISE UP IN WALL TO MULT-MANIFOLD FITTING.
- 1" DCW DOWN AND CONNECT TO DWH-1, PROVIDE SHUT OFF BALL VALVE.
- 1/2" DCW TO P18.
- PROVIDE (2) 1/2" DCW LINES DOWN FROM MULTI-MANIFOLD FITTING.
- 1/2" DCW UP IN WALL TO P7b.
- 1/2" DCW UP TO P3b.
- 3/4" DCW UP TO P12, WITH 1/2" DCW TO P4.
- 1" DWH DOWN IN WALL TO 1" HEADER.
- 1" DWH DOWN AND CONNECT TO DWH-1, PROVIDE SHUT OFF BALL VALVE.
- PROVIDE (3) 1/2" DWH LINES DOWN FROM MULTI-MANIFOLD FITTING.
- 1/2" DWH UP IN WALL TO P7b.
- 1/2" DWH UP TO P3b.
- 3/4" DWH UP TO P12, WITH 1/2" DWH TO P4.
- PROVIDE 1-1/2" WATER STUB OUT FOR FIRE PROTECTION FIRE RISER, SEE FIRE PROTECTION PLANS FOR CONTINUATION.
- DOMESTIC WATER SHUT OFF VALVE IN CONCRETE PIT WITH CAST IRON LID.



(C5) PRESSURE PIPING PLAN - DHW - 1BD/1BA DUPLEX
1/4" = 1'-0"
0' 2' 4' 8'



(A5) PRESSURE PIPING PLAN - DCW - 1BD/1BA DUPLEX
1/4" = 1'-0"
0' 2' 4' 8'

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DESIGN
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SEAL
Randall Wearengen
37368
RANALL
WEARENGEN
Exp. 03/31/2023
EXPIRES 03/31/2023

PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

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CONSTRUCTION
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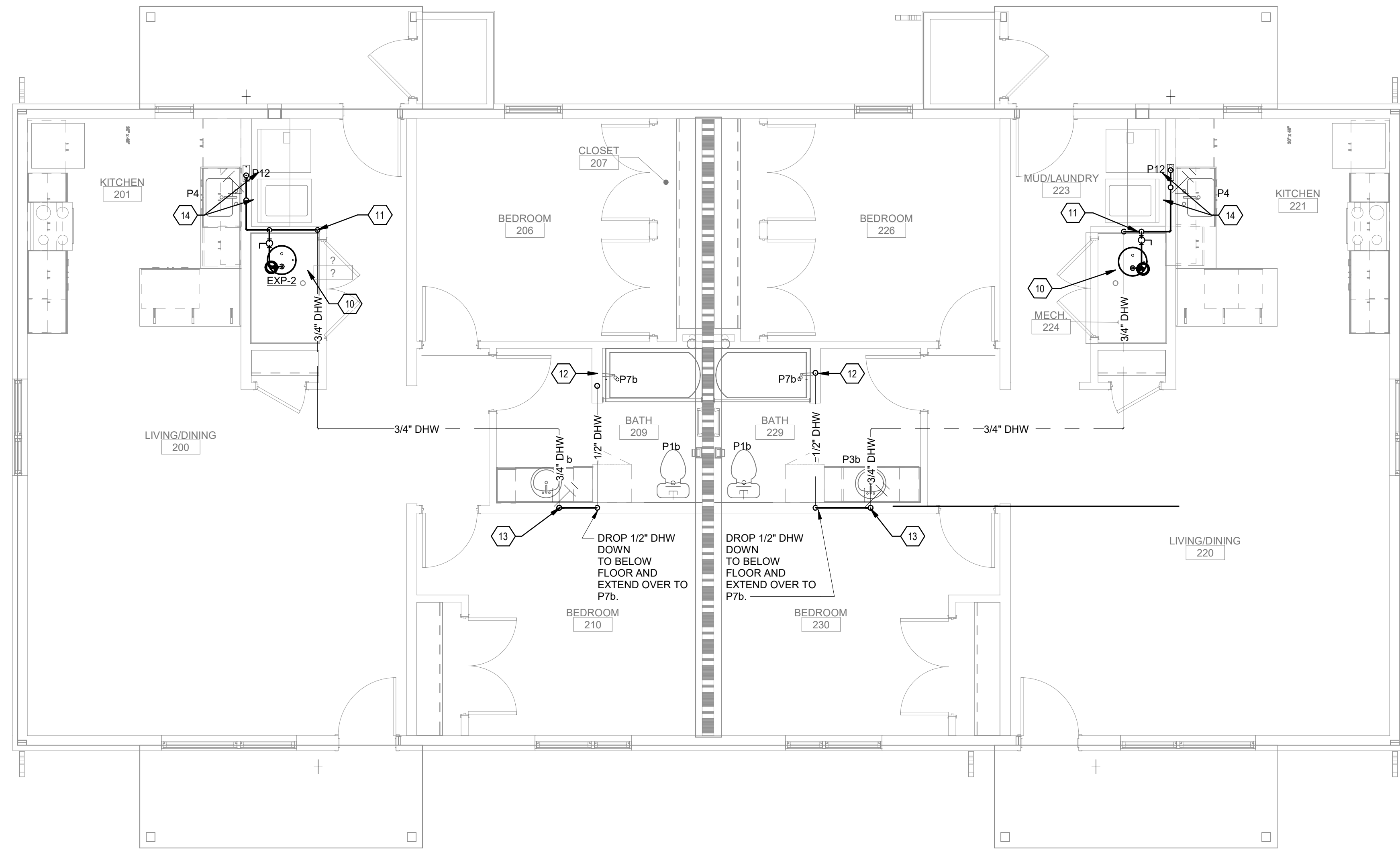
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DATE	12-10-2020
PROJECT NO	20-7002.005

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**PRESSURE
PIPING PLAN -
1BD/1BA DUPLEX**

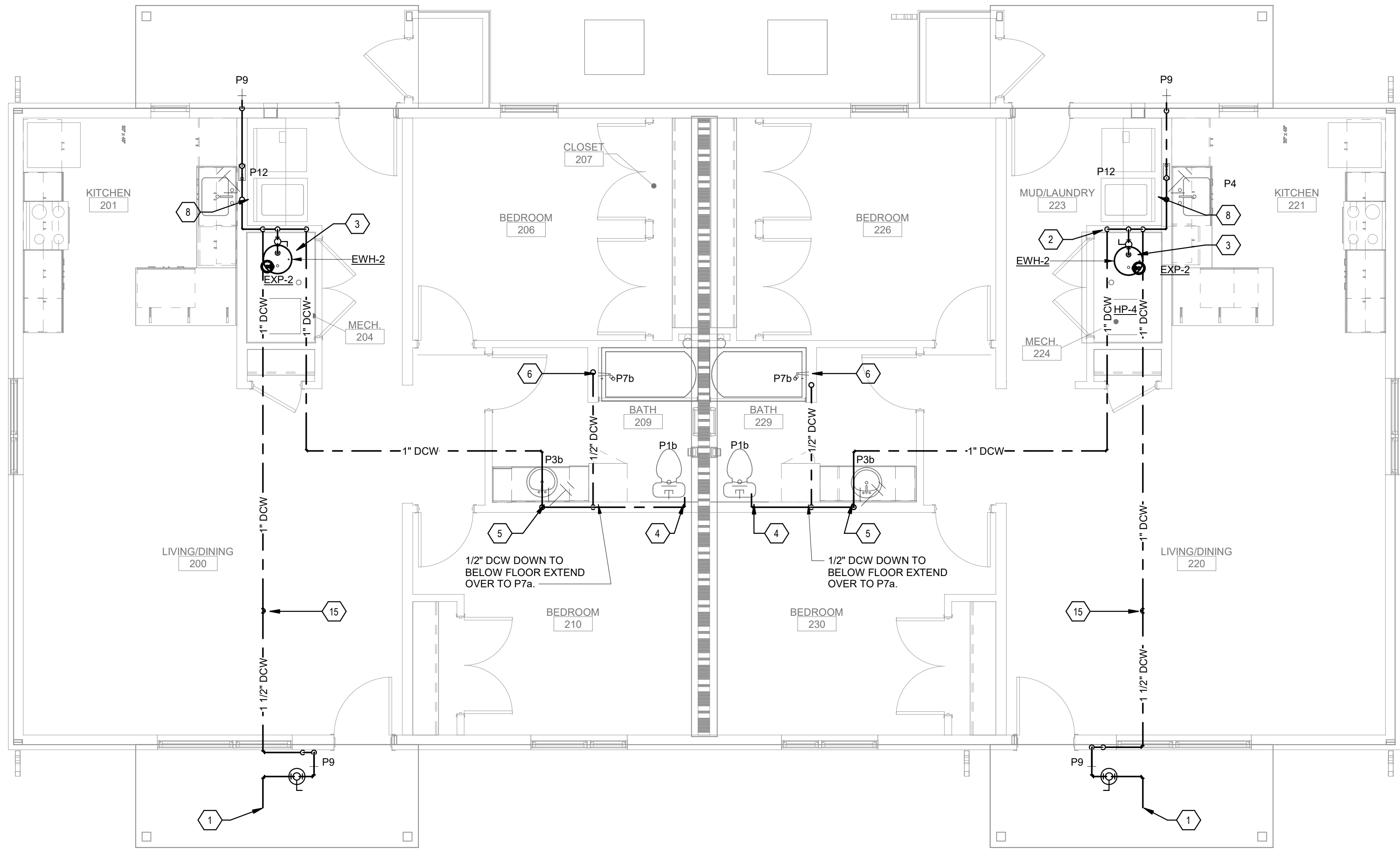
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Bridges & Paxton Project No. 8183



C5 PRESSURE PIPING PLAN - HW - 2BD/1BA DUPLEX
1/4" = 1'-0"



A5 PRESSURE PIPING PLAN - DCW - 2BD/1BA DUPLEX
1/4" = 1'-0"

GENERAL SHEET NOTES

A. ALL OVERHEAD EQUIPMENT AND PIPING IS TO BE SUSPENDED FROM STRUCTURAL MEMBERS.

SHEET KEYNOTES

1. 1-1/2" DCW IN SEE CIVIL SITE PLAN FOR CONTINUATION.
2. 1" DCW RISE UP IN WALL TO MULTI-MANIFOLD FITTING.
3. 1" DCW DOWN AND CONNECT TO DWH-1, PROVIDE SHUT OFF BALL VALVE.
4. 1/2" DCW TO P1a.
5. PROVIDE (2) 1/2" DCW LINES DOWN FROM MULTI-MANIFOLD FITTING.
6. 1/2" DCW UP IN WALL TO P7b.
7. 1/2" DCW UP TO P3b.
8. 3/4" DCW UP TO P12 WITH 1/2" DCW TO P4.
9. 1" DHW DOWN IN WALL TO 1" HEADER.
10. 1" DHW DOWN AND CONNECT TO DWH-1, PROVIDE SHUT OFF BALL VALVE.
11. PROVIDE (3) 1/2" DHW LINES DOWN FROM MULTI-MANIFOLD FITTING.
12. 1/2" DHW UP IN WALL TO P7b.
13. 1/2" DHW UP TO P3b.
14. 3/4" DHW UP TO P12 WITH 1/2" DHW TO P4.
15. PROVIDE 1-1/2" WATER STUB OUT FOR FIRE PROTECTION FIRE RISER, SEE FIRE PROTECTION PLANS FOR CONTINUATION.
16. DOMESTIC WATER SHUT OFF VALVE IN CONCRETE PIT WITH CAST IRON LID.

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SEAL
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RANDALL
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EXPIRES 03/31/2023

PROJECT

Teacherages
Lukachukai Community Schools
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Lukachukai, AZ 86507

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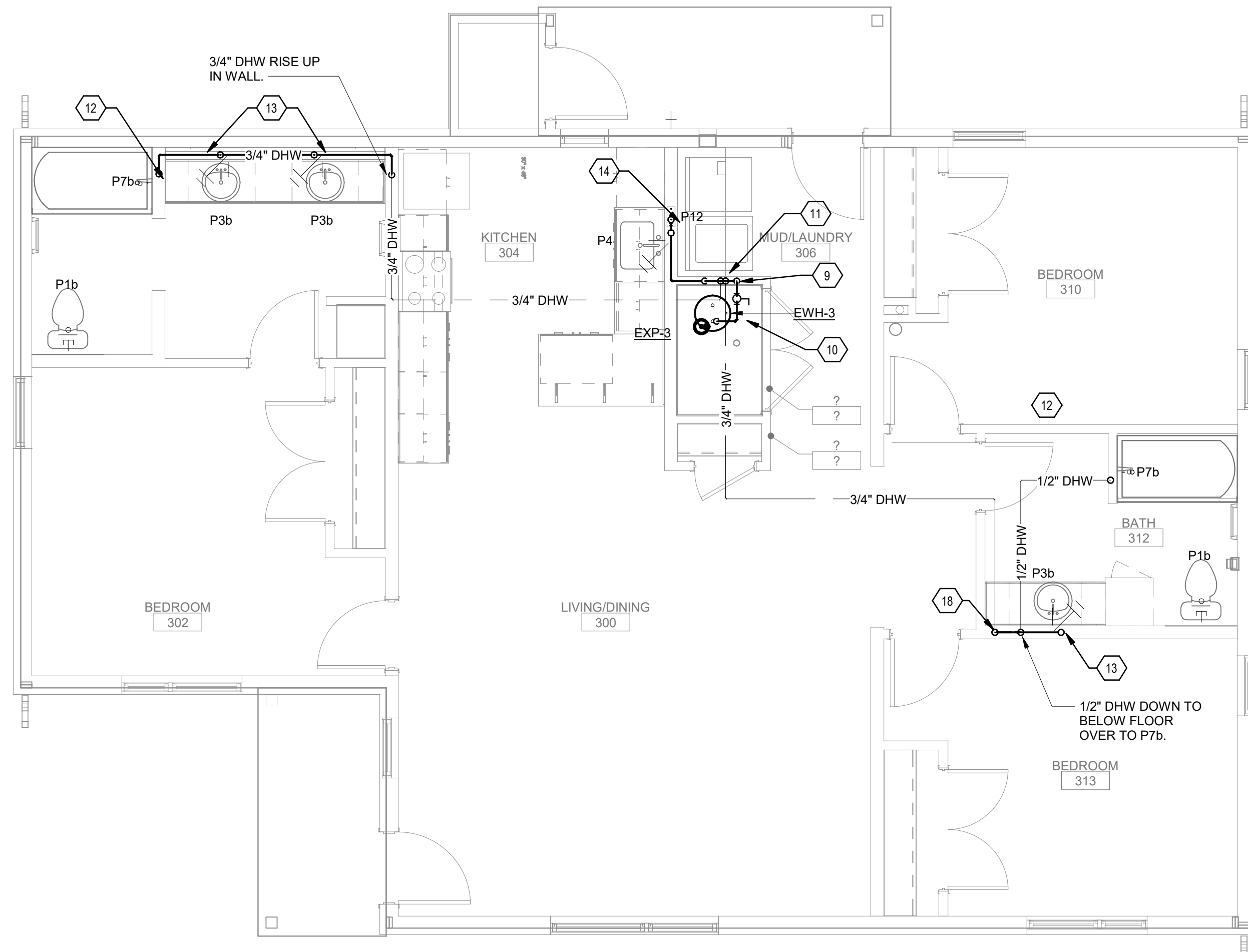
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DATE 12-10-2020
PROJECT NO 20-7002.005

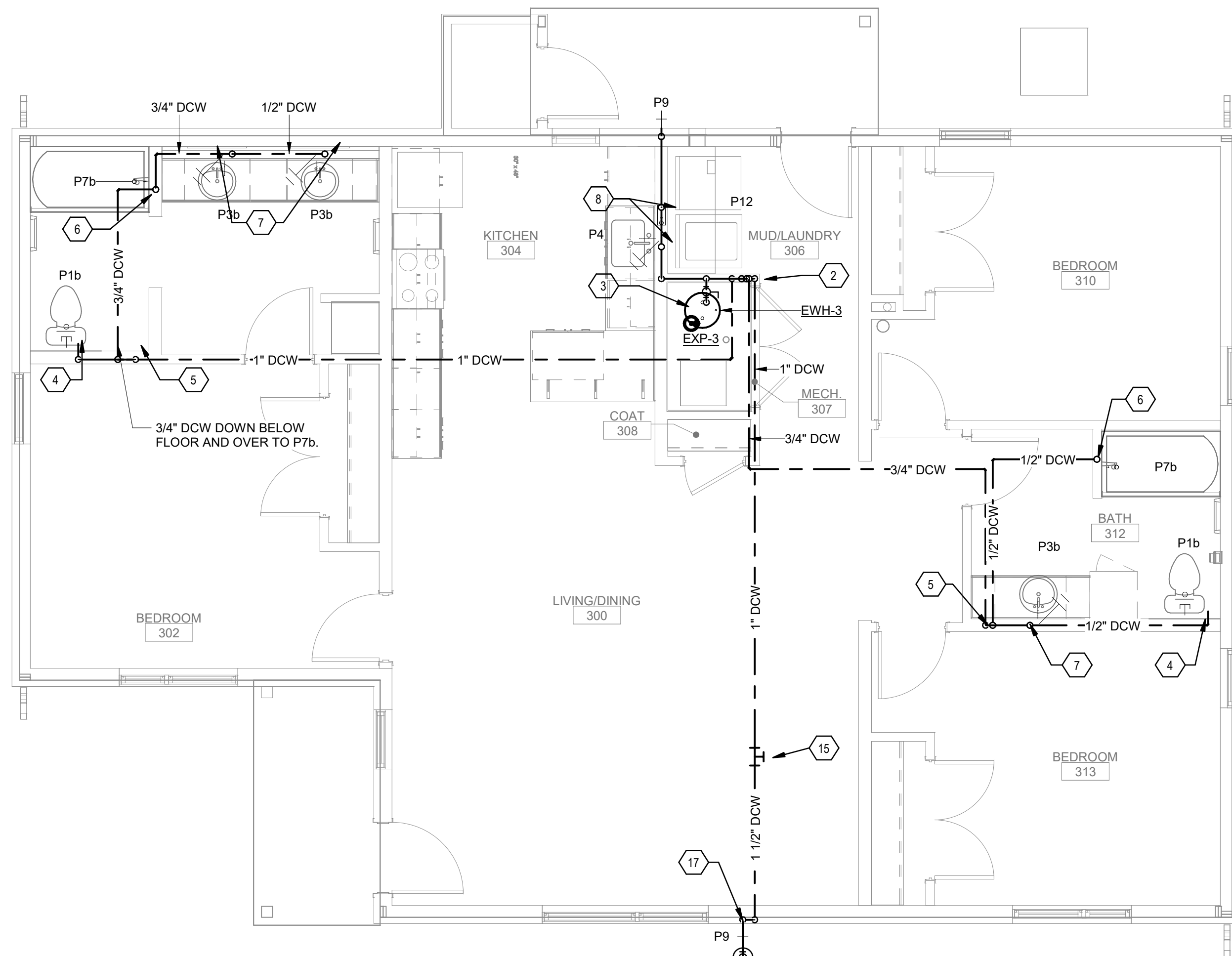
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PRESSURE
PIPING PLAN -
2BD/1BA DUPLEX

SHEET NO
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C5 PRESSURE PIPING PLAN - DHW - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"



A5 PRESSURE PIPING PLAN - DCW - 3BD/2BA SINGLE-FAMILY
1/4" = 1'-0"

GENERAL SHEET NOTES

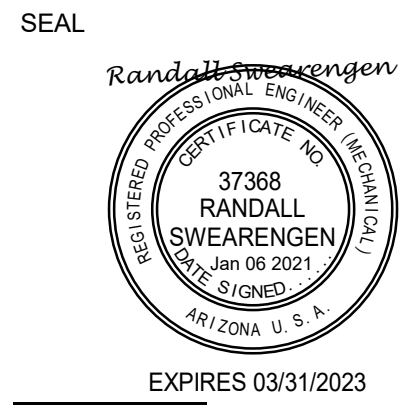
- A. ALL OVERHEAD EQUIPMENT AND PIPING IS TO BE SUSPENDED FROM STRUCTURAL MEMBERS.

SHEET KEYNOTES

- 1-1/2" DCW IN SEE CIVIL SITE PLAN FOR CONTINUATION.
- 1" DCW RISE UP IN WALL TO MULTI-MANIFOLD FITTING.
- 1" DCW DOWN AND CONNECT TO DWH-1, PROVIDE SHUT OFF BALL VALVE.
- 1/2" DCW TO P18.
- PROVIDE (2) 1/2" DCW LINES DOWN FROM MULTI-MANIFOLD FITTING.
- 1/2" DCW UP IN WALL TO P7b.
- 1/2" DCW UP TO P3b.
- 3/4" DCW UP TO P12, WITH 1/2" DCW TO P4.
- 1" DHW DOWN IN WALL TO 1" HEADER.
- 1" DHW DOWN AND CONNECT TO EWH-1, PROVIDE SHUT OFF BALL VALVE.
- PROVIDE (3) 1/2" DHW LINES DOWN FROM MULTI-MANIFOLD FITTING.
- 1/2" DHW UP IN WALL TO P7b.
- 1/2" DHW UP TO P3b.
- 3/4" DHW UP TO P12, WITH 1/2" DHW TO P4.
- PROVIDE 1-1/2" WATER STUB OUT FOR FIRE PROTECTION FIRE RISER, SEE FIRE PROTECTION PLANS FOR CONTINUATION.
- DOMESTIC WATER SHUT OFF VALVE IN CONCRETE PIT WITH CAST IRON LID.
- 1-1/2" DOMESTIC COLD WATER TO RISE UP PROVIDE 3/4" NON FREEZE HOSE BIBB (P9) DROP 1-1/2" DOMESTIC COLD WATER DOWN TO BELOW FLOOR AND OVER TO SERVE THE HOUSE.
- 3/4" DHW UP IN WALL AND OVER.

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PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

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CONSTRUCTION
DOCUMENTS

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DATE		12-10-2020
PROJECT NO		20-7002.005

DRAWING NAME
PRESSURE
PIPING PLAN -
3BD/2BA
SINGLE-FAMILY

SHEET NO

PP103

GENERAL SHEET NOTES

- A. FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
B. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
C. PROVIDE ARC FAULT CIRCUIT PROTECTION AS REQUIRED BY N.E.C.
D. THE ELECTRICAL SERVICE FEEDER FROM THE UTILITY TRANSFORMER THROUGH THE METER ENCLOSURE TO THE PANELBOARD SHALL BE IN CONDUIT. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
E. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
F. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
G. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTRACTS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
H. SUBMIT THREE (3) COPIES OF THE FIRE DETECTION ALARM SYSTEM, SHOP DRAWINGS, MANUFACTURER'S EQUIPMENT CATALOG DATA SHEETS, BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS TO THE DSRM FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. BIA SAFETY & HEALTH HANDBOOK TOPIC 26.6A.4.

ALL 15A AND 20A, 120V AND 250V, NONLOCKINGTYPE RECEPTACLES WILL BE TAMPER-RESISTANT RECEPTACLES PER NEC 406.12. REFER TO NEC 406.12 FOR EXCEPTIONS.

SHEET KEYNOTES

- EP01 MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
EP02 MOUNT DEVICE 42" AFF BEHIND REFRIGERATOR. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUS. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
EP03 DISHWASHER. INSTALL OUTLET WITHIN BASE CABINETS AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.
EP04 ELECTRIC RANGESTOVE. MOUNT DEVICE BEHIND UNIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUS. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE. EXTEND 3/8" AND 1/8" GROUND IN 1" CONDUIT.
EP05 DEVICE TO SERVE RESIDENTIAL-TYPE EXHAUST HOOD (ABOVE COOKING RANGE). COORDINATE ROUGH-IN LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER AND CASEWORK INSTALLER.
EP06 RESIDENTIAL-TYPE SINK DISPOSAL UNIT. OUTLET TO BE SWITCHED BY TOGGLE SWITCH ABOVE COUNTER. COORDINATE WITH SHEET SERIES "A" FOR EXACT LOCATION.
EP07 DEVICE FOR DRYER. COORDINATE NEMA CONFIGURATION IN FIELD WITH EQUIPMENT. EXTEND 3/8" AND 1/8" GROUND IN 3/4" CONDUIT. MOUNT DEVICE AT 42" AFF.
EP08 DEVICE FOR WASHER. MOUNT DEVICE AT 42" AFF.
EP09 MOUNT GFCI RATED DEVICE FOR MICROWAVE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. PROVIDE DEDICATED CIRCUIT. LABEL COVER PLATE "MICROWAVE".
EP10 LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET ES-101 AND ELECTRICAL ONE-LINE DIAGRAM ON SHEET E-601 FOR SECONDARY FEEDER LOCATION. USE ALTERNATE LOCATION WHERE CONDITIONS DICTATE.
EP11 ALTERNATE LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET ES-101 FOR SECONDARY FEEDER LOCATIONS.
EP12 FOR EACH UNIT, REFER TO SHEET SERIES "M-100" AND "M-100" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
EP13 PROVIDE SMOKE DETECTORS PER NFPA REQUIREMENTS.
EP14 FIRE ALARM CONTROL PANEL (FACP). REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
EP15 COORDINATE FLOW SWITCH LOCATION WITH FIRE PROTECTION DRAWINGS. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
EP16 FIRE ALARM DEVICE FOR ADA UNITS ONLY.
EP17 INTEGRAL DISCONNECTING MEANS PROVIDED WITH EXHAUST FAN. CONTRACTOR TO TERMINATE WIRES AT INTERNAL PLUG ASSEMBLY.
EP18 SWITCH CONTROL PROVIDED BY DIVISION 23. ELECTRICAL CONTRACTOR TO INSTALL ALL INTERCONNECTIONS.
EP19 PROVIDE CARBON MONOXIDE DETECTOR. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
EP20 PROVIDE JUNCTION BOX WITH BLANK COVERPLATE IN ATTIC SPACE AND 1" CONDUIT WITH PULL ROPE DOWN TO ELECTRICAL PANEL FOR FUTURE ACTIVE RADON VENTING. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

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PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS
13 01-06-21 ADD-801T

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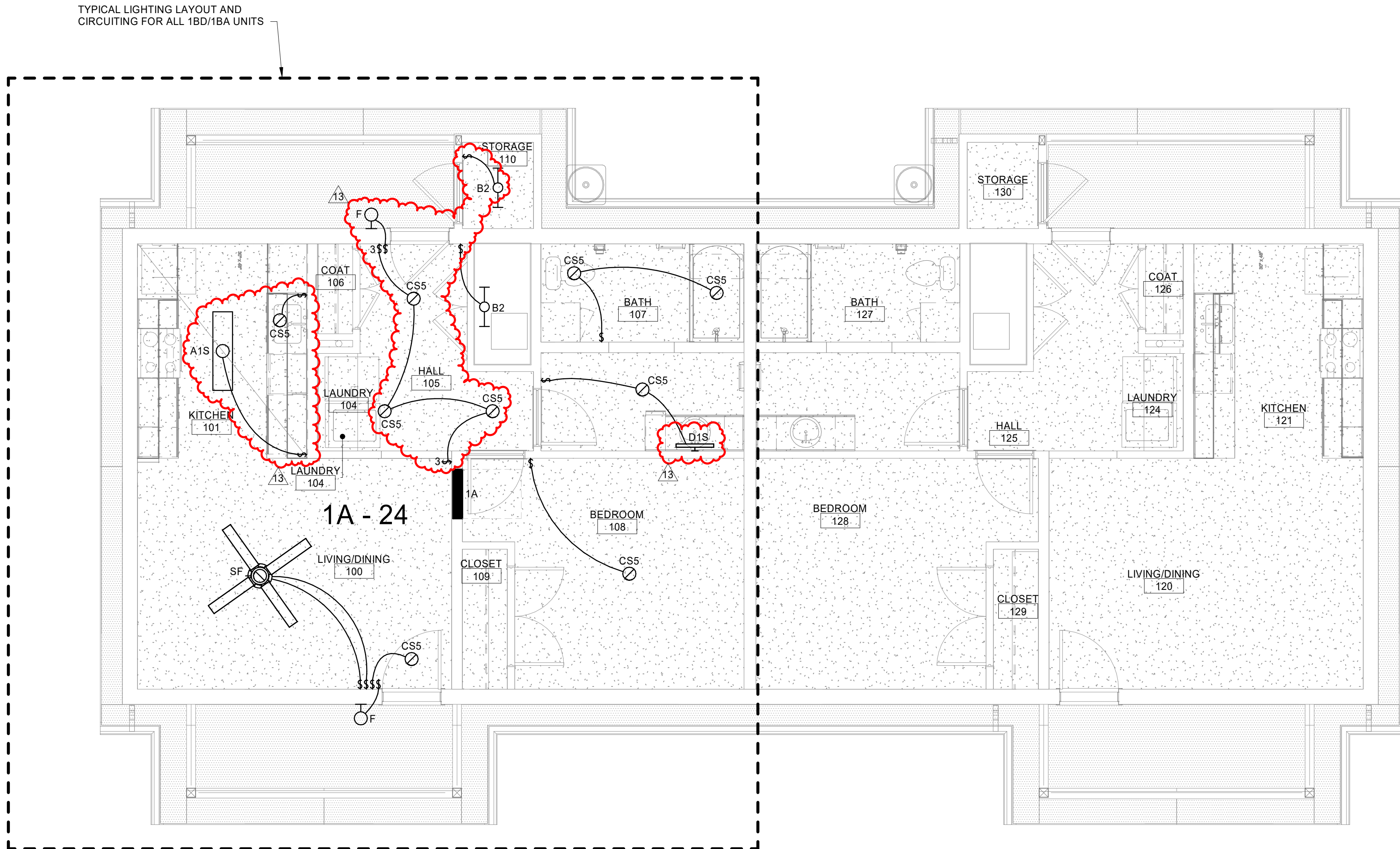
DRAWN BY MJL
REVIEWED BY JM
DATE 12-10-2020
PROJECT NO 20-7002.005

DRAWING NAME

ELECTRICAL
PLANS - 1BD/1BA
DUPLEX

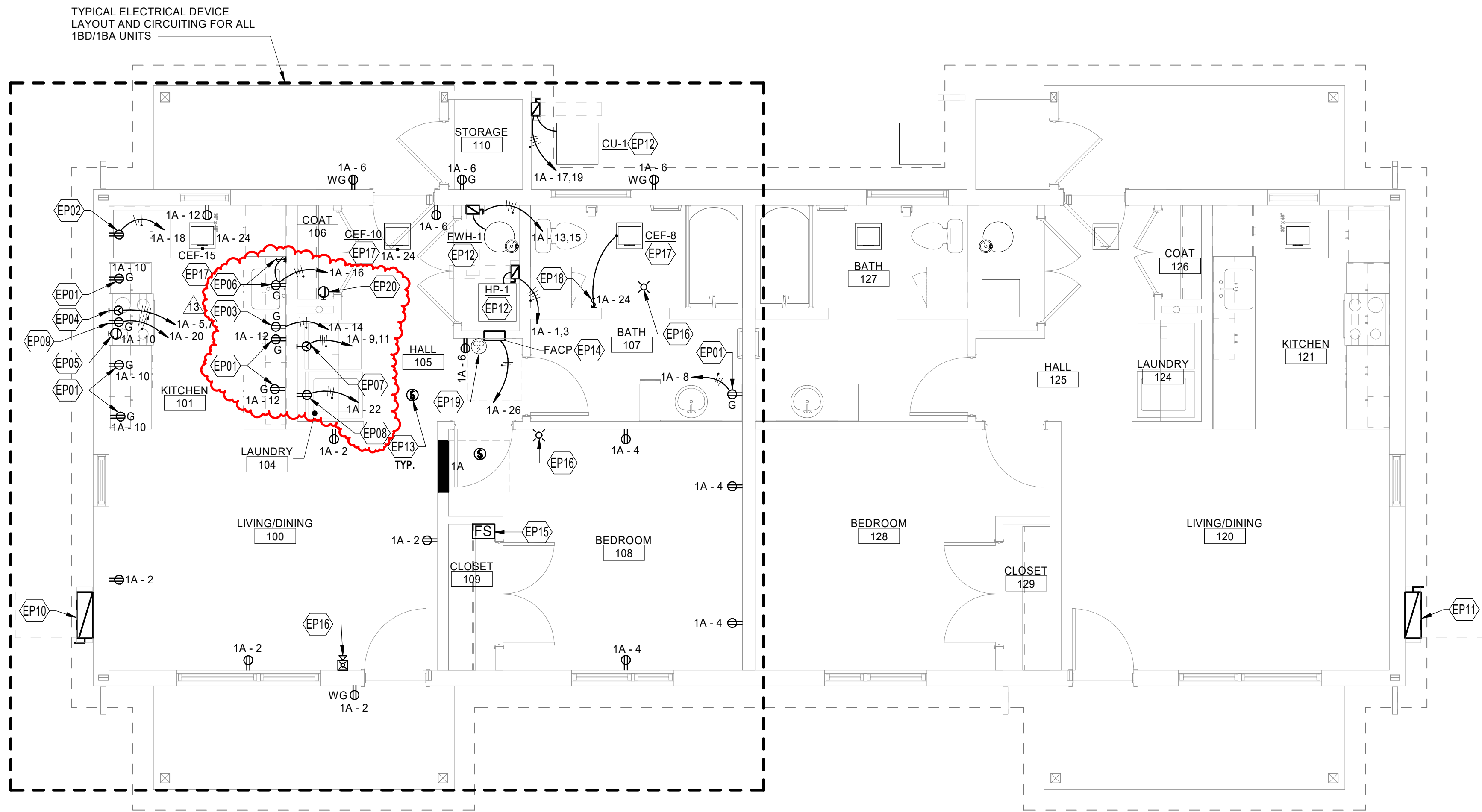
SHEET NO

E-101



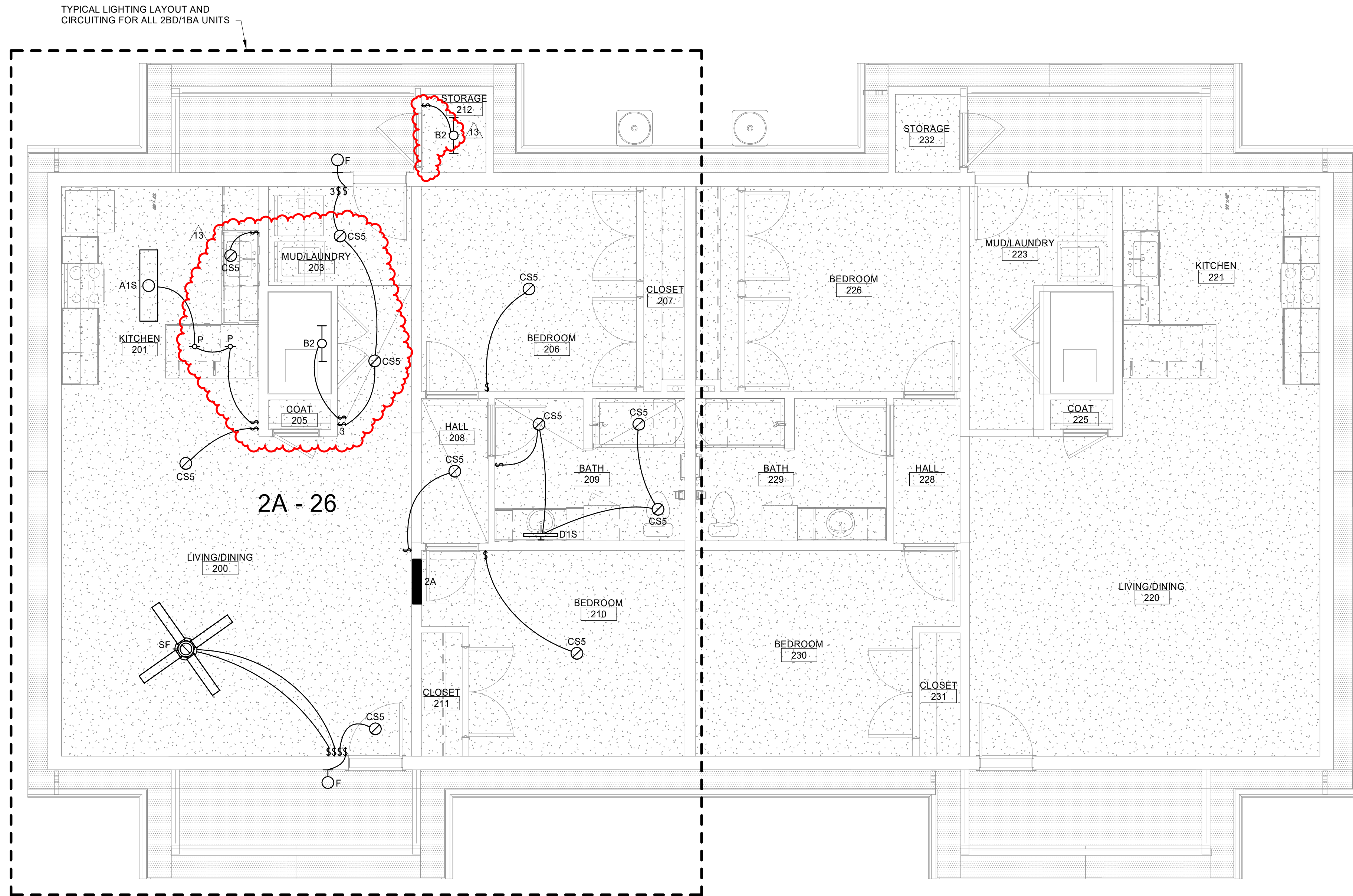
C5 LIGHTING PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"

0' 2' 4' 8'



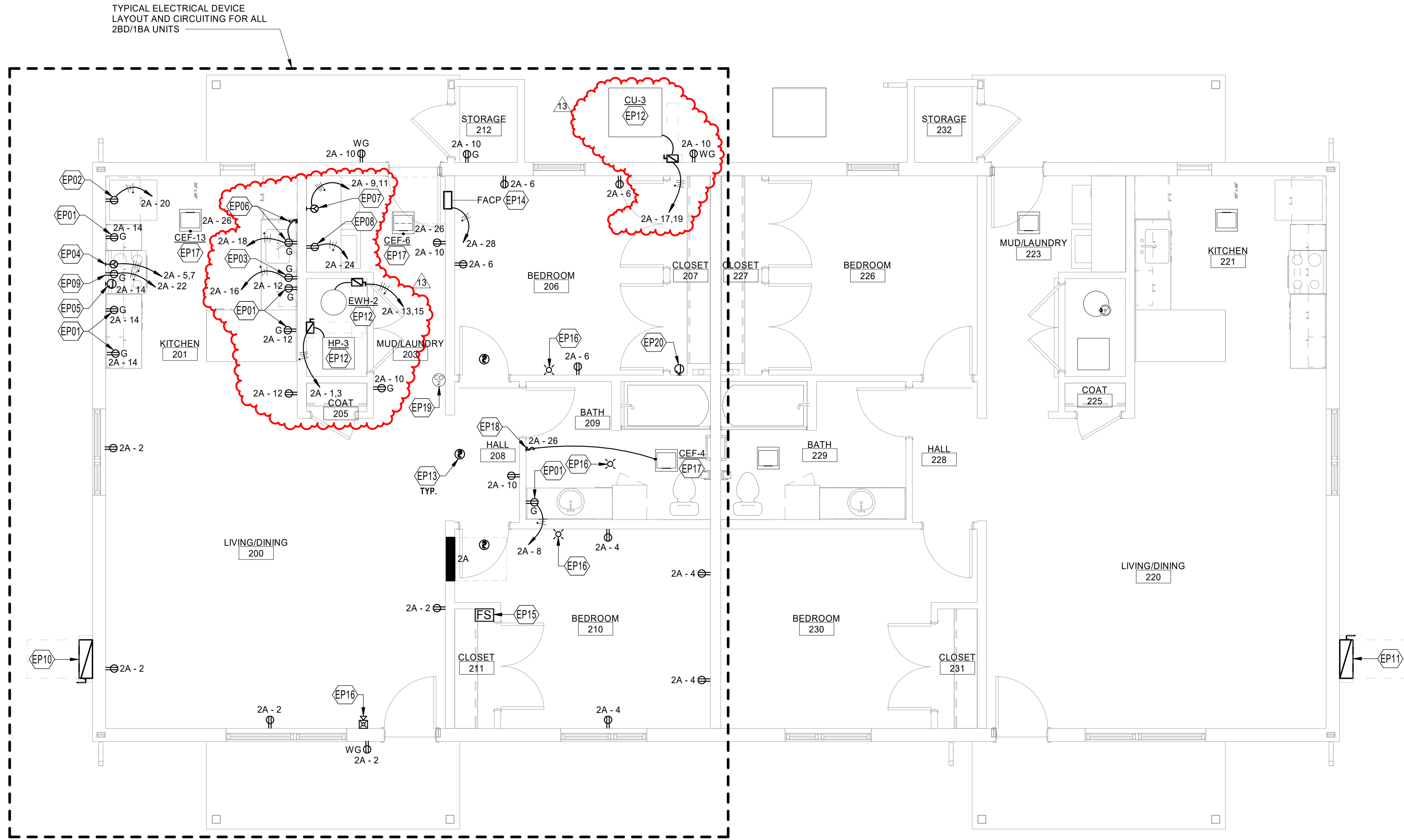
A5 POWER PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"

0' 2' 4' 8'



C5 LIGHTING PLAN - 2BD/1BA DUPLEX
1/4" = 1'-0"

0' 2' 4' 8'



A5 POWER PLAN - 2BD/1BA DUPLEX
1/4" = 1'-0"

0' 2' 4' 8'

GENERAL SHEET NOTES

- FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
- COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.
- PROVIDE ARC FAULT CIRCUIT PROTECTION AS REQUIRED BY N.E.C.
- THE ELECTRICAL SERVICE FEEDER FROM THE UTILITY TRANSFORMER THROUGH THE METER ENCLOSURE TO THE PANELBOARD SHALL BE IN CONDUIT. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE GFCI RATED AND WEATHERPROOF.
- COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
- CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- SUBMIT THREE (3) COPIES OF THE FIRE DETECTION ALARM SYSTEM, SHOP DRAWINGS, MANUFACTURER'S EQUIPMENT CATALOG DATA SHEETS, BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS TO THE DSRM FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. BIA SAFETY & HEALTH HANDBOOK TOPIC 26.6A.4.

ALL 15A AND 20A, 120V AND 250V, NONLOCKINGTYPE RECEPTACLES WILL BE TAMPER-RESISTANT RECEPTACLES PER NEC 406.12. REFER TO NEC 406.12 FOR EXCEPTIONS.

SHEET KEYNOTES

- MOUNT DEVICES 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
- MOUNT DEVICE 42" AFF BEHIND REFRIGERATOR. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
- DISHWASHER. INSTALL OUTLET WITHIN BASE CABINETS AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.
- ELECTRIC RANGES/STOVE. MOUNT DEVICE BEHIND UNIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE. EXTEND 3/8" AND 1/8" GROUND IN 1" CONDUIT.
- DEVICE TO SERVE RESIDENTIAL-TYPE EXHAUST HOOD (ABOVE COOKING RANGE). COORDINATE ROUGH-IN LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER AND CASEWORK INSTALLER.
- RESIDENTIAL-TYPE SINK DISPOSAL UNIT. OUTLET TO BE SWITCHED BY TOGGLE SWITCH ABOVE COUNTER. COORDINATE WITH SHEET SERIES "A" FOR EXACT LOCATION.
- DEVICE FOR DRYER. COORDINATE NEMA CONFIGURATION IN FIELD WITH EQUIPMENT. EXTEND 3/8" AND 1/8" GROUND IN 3/4" CONDUIT. MOUNT DEVICE AT 42" AFF.
- DEVICE FOR WASHER. MOUNT DEVICE AT 42" AFF.
- MOUNT GFCI RATED DEVICE FOR MICROWAVE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. PROVIDE DEDICATED CIRCUIT. LABEL COVER PLATE "MICROWAVE".
- LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET ES101 AND ELECTRICAL ONE-LINE DIAGRAM ON SHEET E-601 FOR SECONDARY FEEDER LOCATION. USE ALTERNATE LOCATION WHERE CONDITIONS DICTATE.
- ALTERNATE LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET ES101 FOR SECONDARY FEEDER LOCATIONS.
- FOR EACH UNIT, REFER TO SHEET SERIES "M-700" AND "M-700" FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- PROVIDE SMOKE DETECTORS PER NFPA REQUIREMENTS.
- FIRE ALARM CONTROL PANEL (FACP). REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
- COORDINATE FLOW SWITCH LOCATION WITH FIRE PROTECTION DRAWINGS. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
- FIRE ALARM DEVICE FOR ADA UNITS ONLY.
- INTEGRAL DISCONNECTING MEANS PROVIDED WITH EXHAUST FAN. CONTRACTOR TO TERMINATE WIRES AT INTERNAL PLUG ASSEMBLY.
- SWITCH CONTROL PROVIDED BY DIVISION 23. ELECTRICAL CONTRACTOR TO INSTALL ALL INTERCONNECTIONS.
- PROVIDE CARBON MONOXIDE DETECTOR. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
- PROVIDE JUNCTION BOX WITH BLANK COVERPLATE IN ATTIC SPACE AND 1" CONDUIT WITH PULL ROPE DOWN TO ELECTRICAL PANEL FOR FUTURE ACTIVE RADON VENTING. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

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PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS

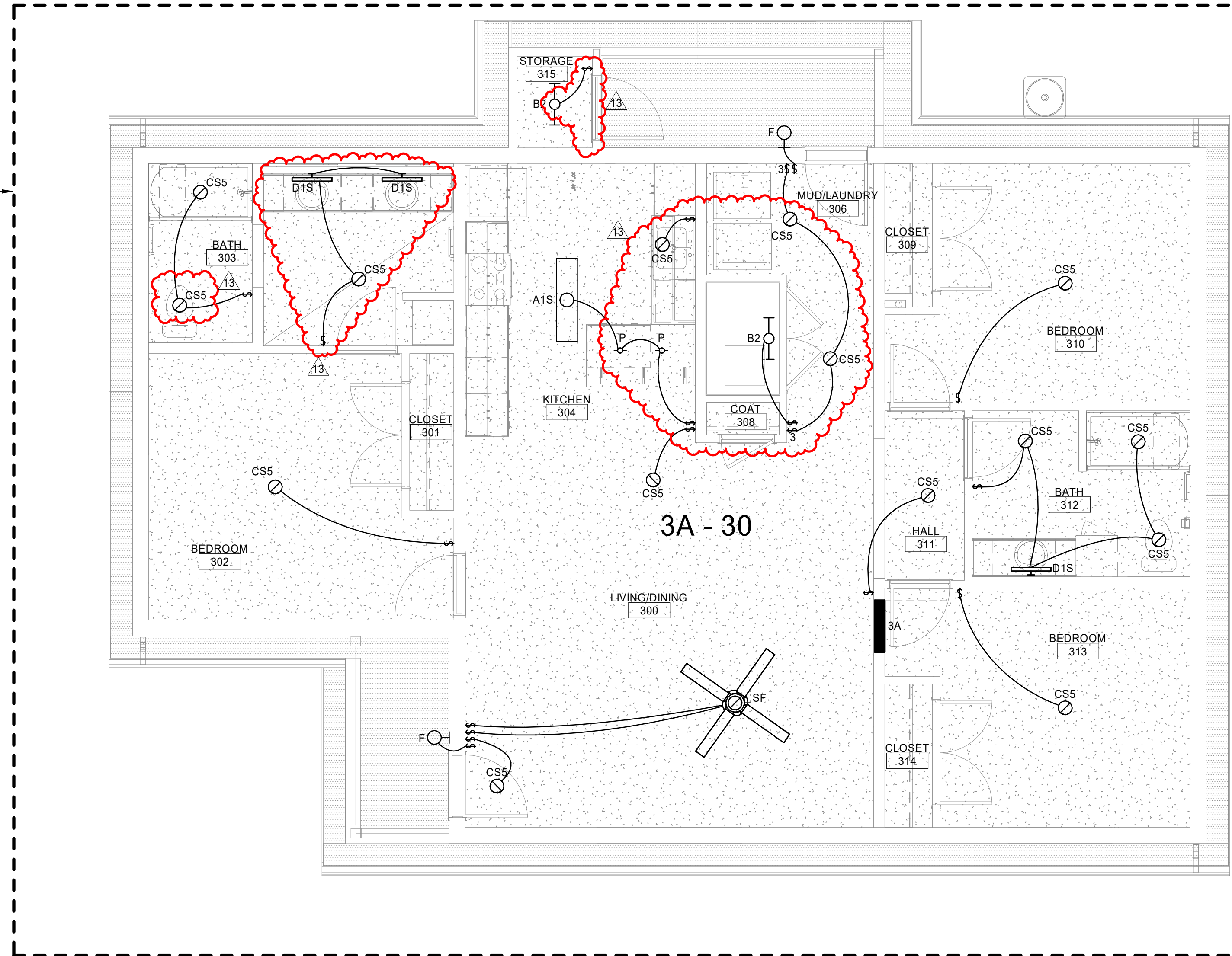
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DRAWN BY MJL
REVIEWED BY JM
DATE 12-10-2020
PROJECT NO 20-7002.005

DRAWING NAME
ELECTRICAL
PLANS - 2BD/1BA
DUPLEX

SHEET NO

E-102



ALL 15A AND 20A, 120V AND 250V, NONLOCKINGTYPE
RECEPTACLES WILL BE TAMPER-RESISTANT
RECEPTACLES PER NEC 406.12. REFER TO NEC 406.12
FOR EXCEPTIONS.

EPM1 MOVE DEVICES 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED & DESIGNATED WITH A "G".

EPM2 RECEPTACLE DEVICE 42" AFF BEHIND REFRIGERATOR. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUS. COORDINATE Riser TO ORDERING RECEPTACLE DEVICE.

EPM3 DISHWASHER. INSTALL OUTLET WITHIN BASE CABINETS AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.

EPM4 ELECTRIC RANGERS. COORDINATE WITH BASE BEHIND UNIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUS. COORDINATE Riser TO ORDERING RECEPTACLE DEVICE. EXTEND 3/6" AND 1/10" GROUND IN 1" CONDUIT.

EPM5 DEVICE TO SERVICE RESIDENTIAL - TYPE EXHAUST HOOD ABOVE COOKING RANGE. COORDINATE SMOOTH LINE LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER AND GASCROW INSTALLER.

EPM6 RESIDENTIAL - TYPE SINK DISPOSAL UNIT. OUTLET TO BE SWITCHED BY TOGGLE SWITCH ABOVE COUNTER. COORDINATE WITH SHEET SERIES "E" FOR EXACT LOCATION.

EPM7 RECEPTACLE FOR DRYER. COORDINATE WITH SHEET SERIES "E" FOR EXACT LOCATION. EXTEND 3/6" AND 1/10" GROUND IN 3/4" CONDUIT. MOVE DEVICE AT 42" AFF.

EPM8 DEVICE FOR WASHER. MOVE DEVICE AT 42" AFF.

EPM9 COVER GFI RATED DEVICE FOR MICROWAVE. COORDINATE MOVEMENT HEIGHT WITH ARCHITECTURAL. ELEVATION Riser TO ROUGH-IN. PROVIDE DEDICATED CIRCUIT. LABEL. LABEL PLATE "MICROWAVE".

EPM10 LOCATION OF METER AND SERVICE ENTRANCE EQUIPMENT. REFER TO ELECTRICAL SITE PLAN ON SHEET E5101 AND ELECTRICAL ONE-LINE DIAGRAM ON SHEET E-601 FOR SECONDARY ELECTRICAL LOCATION. USE AS A GUIDE TO THE LOCATION WHERE CONDITIONS DICTATE.

EPM12 FOR EACH UNIT. REFER TO SHEET SERIES "M-700" AND "7-700" FOR MECHANICAL AND ELECTRICAL CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL, CONNECTION AND OTHER INFORMATION.

EPM13 PROVIDE SMOKE DETECTORS PER NFPA REQUIREMENTS.

EPM14 FIRE ALARM CONTROL PANEL (FACP). REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.

EPM15 COORDINATE FLOW SWITCH LOCATION WITH FIRE PROTECTION DRAWINGS. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.

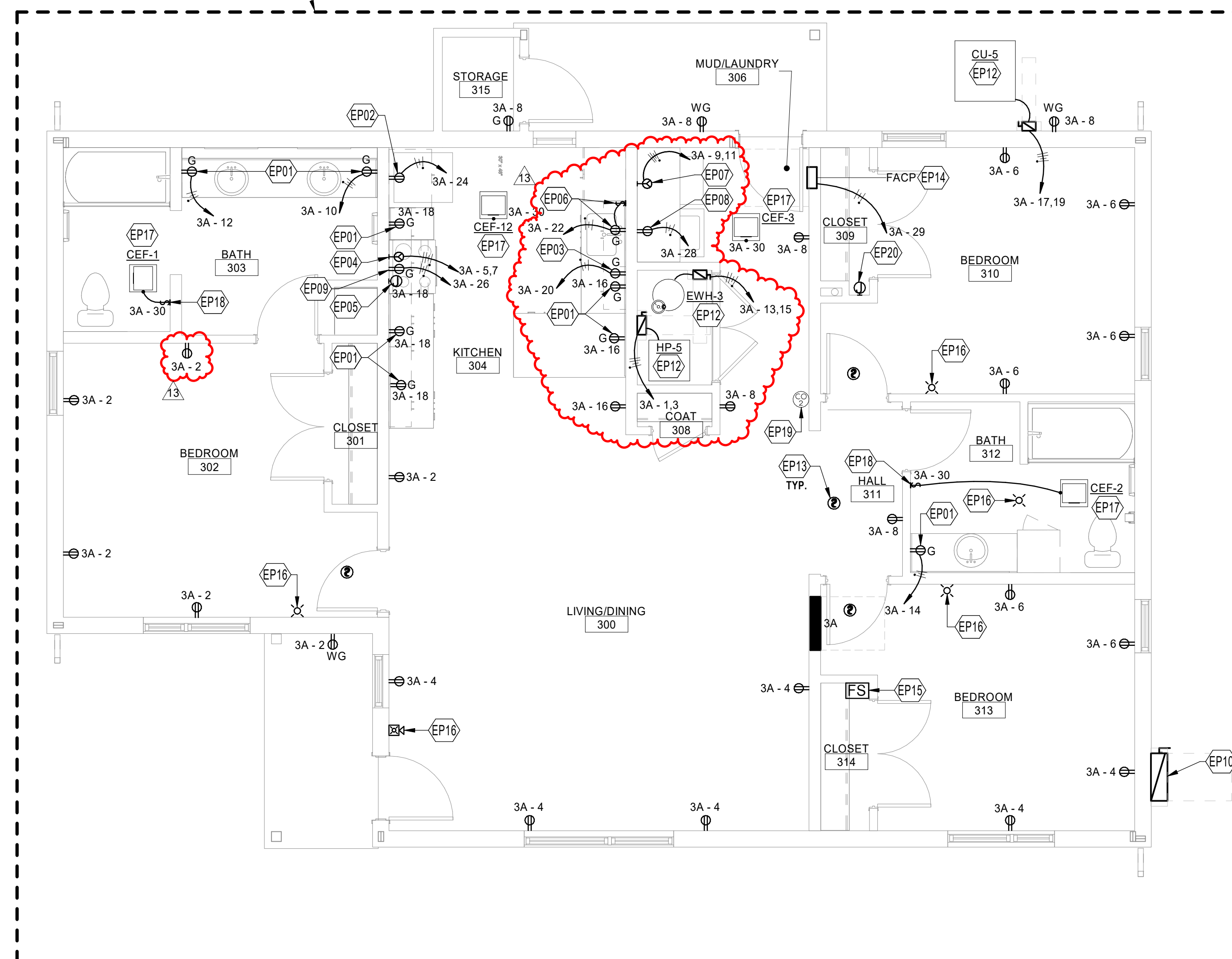
EPM16 FIRE ALARM DEVICE FOR ADA UNITS ONLY.

EPM17 INTEGRAL DISCONNECTING MEANS PROVIDED WITH EXHAUST FAN. CONTRACTOR TO TERMINATE WIRES AT INTERNAL PLUS ASSEMBLY.

EPM18 SWITCH CONTROL PROVIDED BY DIVISION 23. ELECTRICAL CONTRACTOR TO INSTALL ALL INTERCONNECTIONS.

EPM19 PROVIDE CARBON MONOXIDE DETECTOR. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.

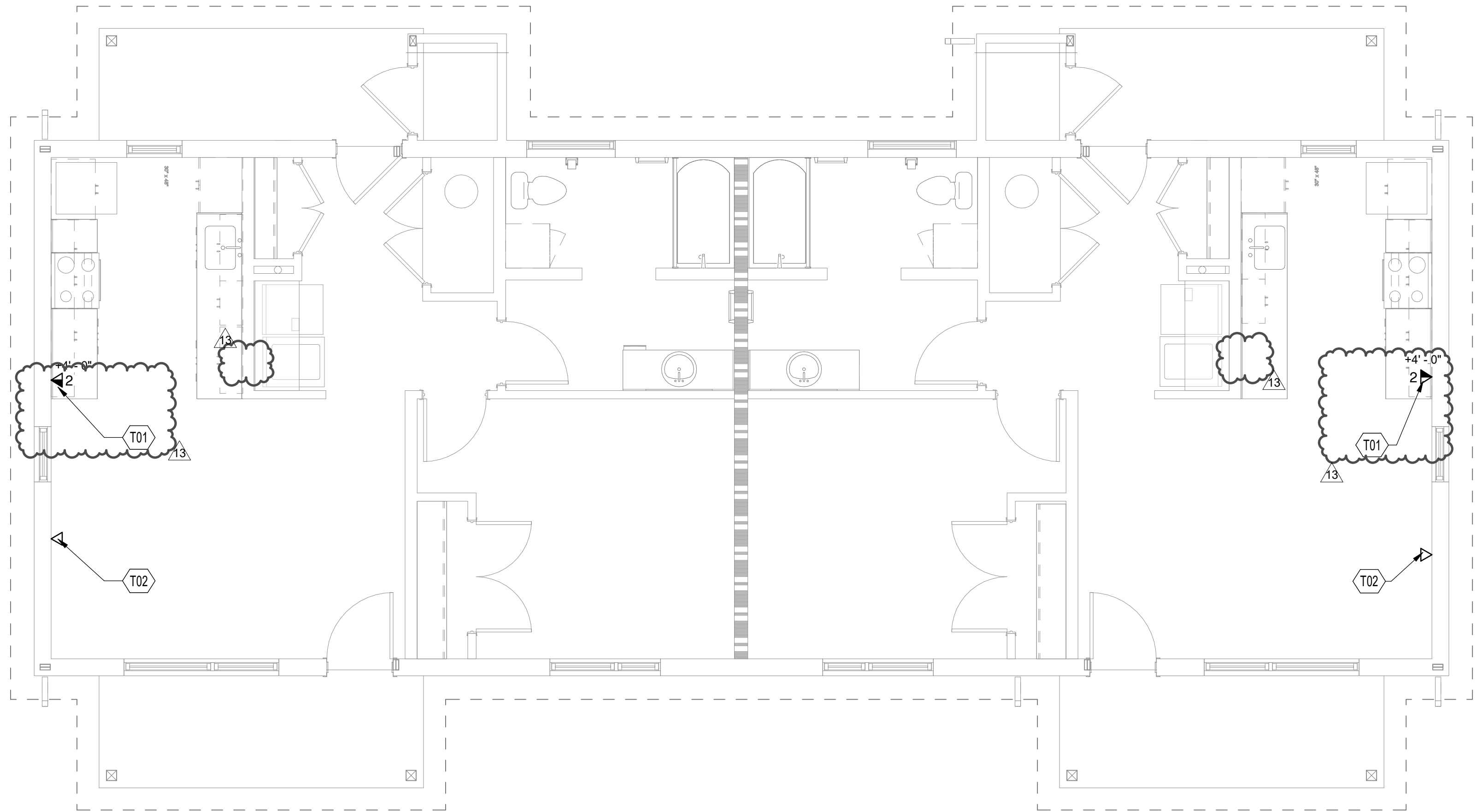
EPM20 PROVIDE JUNCTION BOX WITH BLANK COVERPLATE IN ACTIVE RADON & 1" COORDINATE WITH PUMP DOWN TO ELECTRICAL RACK FOR FUTURE ELECTRIC RADON VENTING. COORDINATE LOCATION WITH ARCHITECT Riser TO ROUGH-IN.



0' 2' 4'

E-103

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A5 TECHNOLOGY SYSTEMS PLAN - 1BD/1BA DUPLEX
1/4" = 1'-0"

GENERAL SHEET NOTES

- A. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER OWNER, CODE, AND AHJ.
B. PRIOR TO INSTALLATION OF CABLE TRAY COORDINATE LOCATIONS WITH ALL OTHER TRADES.
C. NOT ALL PARTS AND PIECES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE END-TO-END WARRANTED SOLUTION FOR THE HORIZONTAL CABLING.
D. ALL CABLING TO BE PLENUM RATED THROUGHOUT THE BUILDING.
E. ALL COMMUNICATIONS CABLING TO MEET OR EXCEED CATEGORY 6 STANDARDS.
F. TELECOMMUNICATIONS OUTLETS TO BE MOUNTED AT +18" AFF UNLESS OTHERWISE NOTED. FOR EXAMPLE, DEVICES SPECIFIED AT +18" AFF SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS. DEVICES SPECIFIED AT +44" AFF SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES ETC.
G. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS SHALL BE STEEL THINWALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THIS SHEET. ALL CONDUITS ARE TO BE, AT A MINIMUM, 1" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
H. CABLE TRAY SYSTEMS SHOWN ON THIS SHEET SHALL BE USED FOR VOICE AND DATA CABLING ONLY. ALL OTHER SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, SECURITY, HVAC CONTROL, ETC. SHALL BE SUPPORTED BY OTHER MEANS. J-HOOKS ATTACHED TO THE CABLE TRAY SUPPORTS WILL BE PERMITTED. LIKEWISE, ANY CONDUITS PROVIDED FOR VOICE AND DATA CABLING IS NOT TO BE USED BY ANY OTHER SYSTEM. HENCE, SEPARATE CONDUITS MAY NEED TO BE PROVIDED FOR THE SUPPORT OF THESE SYSTEMS.
I. NUMBER ADJACENT TO TELECOMMUNICATIONS OUTLET SYMBOL REPRESENTS NUMBER OF CATEGORY 6 CABLES TO BE INSTALLED AND TERMINATED AT THAT LOCATION. A "B" ADJACENT TO AN OUTLET LOCATION REPRESENTS A ROUGH-IN ONLY LOCATION, PROVIDE BOX, CONDUIT, AND BLANK FACEPLATE.
J. COORDINATE WITH FLOOR AND FURNITURE CONTRACTORS FOR PATHWAYS FOR VOICE/DATA OUTLETS FOR MODULAR FURNITURE SYSTEMS.

SHEET KEYNOTES

- T01 STANDARD TELECOMMUNICATIONS WALL OUTLET. QUANTITY OF RJ45 OUTLETS AS SHOWN. INTERIOR PATHWAYS ARE DEPENDANT ON EACH BUILDING ENTRY POINT. REFER TO TS-101.
T02 STANDARD TELEVISION WALL OUTLET. QUANTITY OF (1) RG-6 COAXIAL OUTLET. INTERIOR PATHWAYS SHOULD LEAD TO SOUTHERN WALL FOR SATELLITE SERVICE PROVIDER AS PER PLACEMENT OF EACH BUILDING.

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MONTANO, J. M.

EXPIRES 03/31/2021

PROJECT

Teacherages
Lukachukai Community Schools
Intersection IR 12 and IR 13
Lukachukai, AZ 86507

100%
CONSTRUCTION
DOCUMENTS

REVISIONS	
13	01-06-21 ADD-001T
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DRAWN BY Author	
REVIEWED BY Approver	
DATE 12-10-2020	
PROJECT NO 20-7002.005	

DRAWING NAME
TECHNOLOGY
SYSTEMS PLAN -
1BD/1BA DUPLEX

SHEET NO
T-101