



310 W. 19th Terrace
Kansas City, MO 64108

Architect's Supplemental Instructions Addendum

310 West 19th Terrace, Kansas City, Missouri 64108 ph: 816.994.8970 fax: 816.994.8974

Project: Samish Xwch'ángteng Development on 34th Street
Anacortes, WA

Addendum/ASI No.: Addendum 03
Date of Issuance: May 23th, 2022

Owner: Samish Indian Nation,
8327 Summit Park Road
Anacortes, WA 98221

To Contractor: All Potential Bidders

TO ALL BIDDERS: This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents, and all subsequent addenda. Receipt of this Addendum must be acknowledged in the space provided on the Bid Form.

Addendums & bid question procedure:

- All questions must be submitted in writing to Kim McKinnon, kmckinnon@samishtribe.nsn.us. Questions via phone will be required to be submitted in writing for an answer.
- Travois will collect questions and respond in addendums (one per week) that will be issued to all bidders. Deadline to submit questions is 12pm PDT on Thursdays (May 5, May 12, May 19, May 26, June 2,) for answer and inclusion in Addenda typically released on Mondays.
- Question period will end on Thursday June 2nd (12pm PDT) with response sent to group by Friday, June 3rd, EOB. No additional questions will be allowed after that date.

Description:

The following questions have been posed of the project. Answers as follows:

1. Waiver of Sovereign Immunity? Full? Partial? [Limited waiver will be included in contract](#)
2. Sheets AN1 – AN3, confirm all of the ADA specs noted apply to homes in lot #2, #5, #12, & #14. EG: Sheet AN3, Universal Design Recommendations: For Storage, it calls out power operated clothing carousels and motorized cabinets that raise and lower. Need confirmation of the specs in this section that apply (Sheet AN1 – AN3). [Power operated clothing carousels and motorized cabinets that raise and lower are not required. The Universal Design Recommendations are for reference and not all items apply to this project. Please see the Residential for Design 2010 ADA Standards for Design Sheets AN1-AN3](#)
3. Sheet A002, Division 8A Doors & Door Hardware, 2. Exterior Doors – calls out Steel 6 panel doors however, sheet A404 Door Schedule calls out exterior doors to be fiberglass with wood frame. Please clarify exterior door material. [Fiberglass. See attached revised sheet A404](#)
4. Sheet A200 Floor Plan 1 calls for door 203 in Bedroom 1 closet. Bedroom 2 closet calls out door 204. Door schedule shows door 204 as Typ closet door. Please clarify closet door for Bedroom 1. [See attached revised sheet A404](#)
5. Sheet A200 Floor Plan 1 shows carport storage doors as door 103. Sheet A404 Door Schedule shows door 103 as a wood door/wood frame exterior door with no locks. All other exterior doors are fiberglass. Please verify that the carport storage doors are to be wood with wood frame and non-locking. [Exterior doors will be fiberglass with lock. See attached revised sheet A404](#)

6. Sheet A404 Door Schedule, Door 203, 204 and 206 dimensions do not match dimensions in Door Type sketches below the Door Schedule. Which dimensions are correct? [See attached revised sheet A404](#)
7. Sheet A404 Window Schedule, Window A, B, C and I dimensions do not match Window Type sketches below the Window Schedule. Which dimensions are correct? [See attached revised sheet A404](#)
8. Sheet A404 Window Type sketch shows a J window however, the Window Schedule does not have a J window noted. Confirm there are no J windows required for the SF homes or community building. [See attached revised sheet A404](#)
9. City documents state we are to be working from an approved set of construction plans stamped, signed with a date of March 15, 2021? Plans I have from bid invitation are not signed by the COA and dated Sept 21, 2021? Was there a resubmittal to the City for changes, let me know. [Approved City of Anacortes set matches the bid set. Post bid, a Construction Set will be issued with final addendum adjustments. We will coordinate this with the City of Anacortes.](#)
10. It looks like there is not a required wage, we just have to report employees, hours and wages that they get now, correct? [This is correct. Report number of employees and wages paid. No certified payroll included in wage reporting requirements in contract.](#)
11. Who is paying for clearing and grading the permits? [Owner has Grading Permit and building permits – except electrical, which contractor is responsible](#)
12. Who is paying for the water meters & utility hook-up fees? [Pending](#)
13. Is Kraft Maid cabinetry the only approved manufacturer for cabinetry? [See attached revised sheet A002 Division 11A-Casework](#)
14. What is the wood species of the cabinets? [See attached revised sheet A002 Division 11A-Casework](#)
15. Are cabinet knobs/pulls required, if so what is the spec? [See attached revised sheet A002 Division 11A-Casework](#)
16. Where is page 58 ES01, Lighting Schedules and details? [See attached revised sheet E501](#)
17. Interior Door schedule: Door 203 the pantry and common building water heater closet, flush panel do not match the other 6 panel interior doors, is this intentional? [See attached revised sheet A404](#)
18. Please clarify where the Universal Design Recommendations are to be used. [The Universal Design Recommendations are for reference and not all items apply to this project. See the Residential for Design 2010 ADA Standards for Design Sheets AN1-AN3](#)
19. I have noticed there are both civil schedule of values and a building schedule of values in appendix C, are we to include the total of civil schedule of value with the total cost building schedule of values? [Complete both. Sum of the two schedules should be lump sum total bid](#)
20. Please define what the sensory unit requires or where we can find the information. [It is referenced in the building code 2009 ICC A117.1 Section 1006. Smoke Alarm information is noted Sheet E-401 Section 16600 – Smoke Alarm D. See attached revised sheet E-101 & E-102 Door chime & Strobe](#)
21. Is the siding embossed wood grain or smooth? [Wood grain](#)
22. Soffit: Several references towards lp smart side soffit material at covered areas but also reference to James hardi, which is it? [James Hardi](#)
23. Clarification on insurance requirements: Are subcontractors required to carry Excess Liability of \$5m per occurrence / \$5m per aggregate? [Only GC](#)
24. What closets/unit are power operated clothing carousels required in. [Not required. Please see the Residential for Design 2010 ADA Standards for Design Sheets AN1-AN3](#)
25. How is the interior of the storage room at the carport to be finished? [Gyp board painted](#)
26. For cedar beams and posts what is the preferred finish: rough cut or Sanded S4S. [Cedar beams and posts are wrapped in trim see attached revised sheet A403](#)
27. Siding for all structures call for Tyvek or Weather Smart house wrap – is there a preference? [NO](#)
28. On the lap siding, plans call for 6" with 8" reveal. Would it be acceptable to quote industry standard 8" with a 7" reveal? [Yes 8" per Sheet A002 Division 7B Siding .see attached revised sheet A403](#)
29. City of Anacortes Approved set comments M-101, M102: **50 cfm vent fan required in laundry closets.** [See revised sheets M-101, M-102, M-201](#)
30. City of Anacortes approved set comments ATS: **Energy credits table added to cover sheet** [see general note #19](#)
31. City of Anacortes approved set comments A401.: **Provide thermal break at exterior to conditioned slabs.** Typical [see attached revised sheets A401 & A402](#)

32. City of Anacortes approved set comments A200-A204 General note #18: **5 air changes per hour** Confirmed with MEP verify in field

CHANGES TO PROJECT DRAWINGS:

1. Sheet A002 **DIVISION 11A CASEWORK**
2. Sheet A200 Plan **BEDROOM 1 CLOSET DOOR, VIEW 2 & 4 DOOR ELEVATIONS 6 PANEL**
3. Sheet A300 **DOOR ELEVATIONS 6 PANEL**
4. Sheet A301 **WINDOW TYPE LABEL UPDATED**
5. Sheet A400 Details 1, 2, 3 **CHANGED EXTERIOR INSULATION CHAMFER PROFILE**
6. Sheet A401 Details 1,2 **ADDED THERMAL BREAK INSULATION**, Detail 3 **CHANGED EXTERIOR INSULATION CHAMFER PROFILE**
7. Sheet A402 Details 1, **CHANGED EXTERIOR INSULATION CHAMFER & FLASHING NOTE** Details 2,3 **ADDED THERMAL BREAK INSULATION PROFILE & FLASHING NOTE**
8. Sheet A403 Detail 1 note **LAP SIDING PER SPECIFICATIONS** Detail 5 Note: **TRIM**,
9. Sheet A404 **DOOR SCHEDULE, DOOR TYPES, WINDOW SCHEDULE, WINDOW TYPES**
10. Sheet M-101 **ADD EXHAUST FAN**
11. Sheet M-102 **ADD EXHAUST FAN**
12. Sheet M-201 **ADD EXHAUST FAN**
13. Sheet E-101 **ADD DOOR CHIME**
14. Sheet E-102 **ADD DOOR CHIME**
15. Sheet E-301 **ADD EXHAUST FAN**
16. Sheet E-302 **ADD EXHAUST FAN**
17. Sheet E-501 **Sheet number changed from E-401**

CHANGES TO PROJECT MANUAL:

1. N/A

Attachments:

Addendum #3 **Sheets: A002, A200, A300, A301, A400, A401, A402, A403, A404, M-101,M-102, M-201, E-101, E-102, E-301, E-302, E-501**



By Rebecca Riden, Senior Architect/Project Manager, Travois Design and Construction Services

5/23/2022
Date

SPECIFICATIONS -

DIVISION 6B. FINISH CARPENTRY - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. SHELIVING: PROVIDE MEDIUM DENSITY FIBERBOARD SHELIVING AT CLOSETS AND PANTRIES, PAINT TO MATCH WALLS. PROVIDE WITH CLOTHES ROD AT BEDROOM & COAT CLOSET LOCATIONS.
2. WALL BASE: ½" X 3 ½" PRE PRIMED FINGERJOINT PINE FLOOR MOLDING. INSTALL WITH MATCHING SHOE BASE.
3. INTERIOR DOOR CASING: ½" X 3 ½" PRE PRIMED FINGERJOINT PINE; COLOR PER OWNER/ARCHITECT. SEE A/403 DETAIL.

DIVISION 7A. ROOFING - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

METAL ROOFING : INSTALL STANDING SEAM METAL ROOF PANELS, 16" WIDE WITH 1" HIGH RIBS. DESIGNED TO BE INSTALLED BY LAPPING AND INTERCONNECTING RAISED SIDE EDGES OF ADJACENT PANELS WITH JOINT TYPE INDICATED AND MECHANICALLY ATTACHING PANELS TO SUPPORT USING BUILT-IN FLANGE/CLIPS. INCLUDE ALL ACCESSORIES REQUIRED FOR WEATHER TIGHT INSTALLATION. 26 GAUGE THICKNESS. COLOR: AS SELECTED BY OWNER/ARCHITECTFROM MANUFACTURERS FULL RANGE. COLOR: SLATE GREY.

- a. UNDERLAYMENT - AS REQUIRED BY MANUFACTURER
- b. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT TO INSTALL ROOFING SYSTEM AS DETAILED/SPECIFIED.
- c. ROOFER SHALL SUPPLY AND INSTALL ALL REQUIRED FLASHING, METAL EDGING, ROOF JACKS, ROOF VENTS, ETC. (IF INDICATED) TO PROVIDE A COMPLETE JOB.
- d. INSTALL ALL ROOFING SYSTEMS IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS AS WELL AS PER LOCAL BUILDING CODES AND INDUSTRY STANDARDS; PROVIDE WRITTEN WARRANTIES.
- e. MIN. ENERGY EFFICIENCY STANDARDS: SOLAR REFLECTANCE VALUE .20, THERMAL EMITTANCE .75

DIVISION 7B. SIDING - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. EXTERIOR SIDING & TRIM SYSTEM - JAMES HARDIE, HARDIEPLANK, 8" LAP SIDING AND HARDIEPANEL WITH BATTS. SIDING PER ELEVATIONS AND ARCHITECTURAL DRAWINGS. INSTALL PER ALL MANUFACTURER'S WRITTEN INSTRUCTIONS/ RECOMMENDATIONS. SIDING TO BE FACTORY FINISHED OR FINISHED IN FIELD. USE PRIMER ON ALL SURFACES AND APPLY TWO (2) PAINT COATS, COLOR PER PAINT DIAGRAM DETAIL 7/A402.
2. SOFFIT, FASCIA, & TRIM- JAMES HARDIE SOFFIT FASCIA AND TRIM PRODUCTS. FACTORY FINISHED COLOR PAINT DIAGRAM DETAIL 7/A402.
3. GUTTERS & DOWNSPOUTS: RAIN GUTTERS TO BE 5 IN. SEAMLESS (CONTINUOUS), .027 ALUMINUM (EQUAL TO 24 GAUGE GALVANIZED METAL). INSTALL GUTTERS UNDER DRIP EDGE WITH HIDDEN HANGERS. DOWNSPOUTS TO BE 3 IN. X 4 IN., .019 ALUMINUM (EQUAL TO 26 GAUGE GALVANIZED METAL). INSTALL DOWNSPOUTS WITH THREE (3) ALUMINUM ANCHORS EACH MINIMUM. SEAL ALL CORNERS, END CAPS AND JOINTS WITH HIGH GRADE SEALANT. PRE-FINISHED COLOR SELECTION BY OWNER/ARCHITECT FROM MANUFACTURER'S FULL RANGE. PROVIDE 24 IN. X 12 IN. PRE-CAST CONCRETE SPLASH BLOCK AT EACH DOWNSPOUT. LOCATION OF GUTTERS AND DOWNSPOUTS PER PLANS. MUST TERMINATE A MIN. OF 5'-0" FROM THE FOUNDATION WALL AND/OR TIE INTO STORM DRAIN SYSTEM.
4. STONE VENEER SYSTEM- MANUFACTURER: CORONADO STONE PRODUCTS. PRODUCT: 'HONEY LEDGE'. COLOR: GREY QUARTZITE. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS/RECOMMENDATIONS.

DIVISION 7C. SEALANTS - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. ALL EXT. CAULKING AT SIDING/TRIM TO BE TIGHTBOND - WEATHERMASTER SEALANT, SINGLE-COMPONENT, COLOR: MATCH ADJACENT SURFACES.
2. PROVIDE CAULKING AT FOLLOWING LOCATIONS: (NOTE - THIS SCHEDULE IS NOT COMPLETE)
CONTROL JOINTS IN ANY MASONRY & CONCRETE SURFACES, BOTH INT. & EXT.
PERIMETER OF DOOR AND WINDOW FRAMES, INT. & EXT.
PERIMETER OF LOUVERS & GRILLES, INT. & EXT.
JOINTS IN EXTERIOR SIDING AND TRIM
PENETRATIONS OF EXTERIOR WALLS

DIVISION 7D. INSULATION - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. INSTALL INSULATION TO PROVIDE COMPLETE ENCLOSURE OF ALL CONDITIONED SPACES, INCLUDING ALL SHIM SPACES AT DOORS AND WINDOWS IN EXTERIOR WALLS.
ROOF/ATTIC ASSEMBLY : R-49 BLOWN CELLULOSE OR BATT INSULATION.
EXT. CAVITY WALLS : R-21 BATT INSULATION
SLAB : R-10 EXTRUDED POLYSTYRENE (UNDER ENTIRE SLAB)

SEAL ALL CRACKS, GAPS, JOINTS, ELECTRICAL BOXES AND ANY OTHER PLACES THAT ALLOW POTENTIAL AIR LEAKAGE PRIOR TO INSTALLATION OF GYPSUM BOARD AND OTHER FINISHES AS RECOMMENDED BY INSULATION MANUFACTURER'S WRITTEN RECOMMENDATIONS.

EXTERIOR FOUNDATION INSULATION SHALL HAVE A RIGID, OPAQUE AND WEATHER RESISTANT PROTECTIVE COVERING.

INSTALL WEATHERSTRIP & INSULATION AT ALL CRAWL SPACE AND ATTIC HATCHES PER 2012 IECC.

NOTE: THE ATTIC MUST BE VENTED IN ACCORDANCE WITH IRC 806.1.

2. INSTALL SOUND ATTENUATION INSULATION IN ALL INTERIOR WALLS AROUND BATHROMS

DIVISION 7E. WATERPROOFING - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. PROVIDE AND INSTALL W.R. MEADOWS "MEL-ROL" WATERPROOFING MEMBRANE OR APPROVED EQUAL TO EXTERIOR SIDE OF ALL FOUNDATION WALLS FROM BOTTOM OF FOOTING TO FINISH GRADE, TYPICAL. PROVIDE AND INSTALL ALL PRIMERS AND OTHER PRODUCTS AS REQUIRED. INSTALL PER ALL MANUFACTURER'S WRITTEN RECOMMENDATIONS

2. REFER TO TYPICAL ARCHITECTURAL DETAILS AND STRUCTURAL DOCUMENTS.

DIVISION 7F. HOUSE WRAP - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. PROVIDE AND INSTALL GUARDIAN GUARDWRAP HP OR EQUAL OVER EXTERIOR SHEATHING AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. TAPE ALL SEAMS, TYPICAL.
2. PROVIDE AND INSTALL WINDOW FLASHING SUCH AS TYVEK FLEX WRAP ON ALL SIDES OF ALL WINDOWS. SEE WINDOW FLASHING DETAIL.

DIVISION 7G. PEST MANAGEMENT - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. ALL WALLS, FLOORS, AND JOINT PENETRATIONS SHALL BE SEALED WITH CAULKING OR OTHER APPROPRIATE SEALING METHOD TO PREVENT PEST ENTRY. A RODENT AND CORROSIVE PROOF SCREEN SHALL BE USED FOR ALL OPENINGS GREATER THAN 1/4 INCH.

DIVISION 8A. DOORS & DOOR HARDWARE - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. SEE A404 DOOR SCHEDULE NOTES FOR ADDITIONAL DOOR SPECIFICATIONS
2. EXTERIOR DOORS- INSTALL NEW PRE-HUNG DOOR, FIBERGLASS 6 PANEL, WOOD GRAIN TEXTURED 1 3/4" SOLID CORE ENTRY DOORS, CASINGS, TRIM, HARDWARE AND ADA THRESHOLD AS NECESSARY FOR COMPLETE, FINISHED INSTALLATION. INSTALL ½" COMMERCIAL SADDLE THRESHOLD WITH BEVELED EDGES. SHALL BE ADA COMPLIANT.
 - A. DOORS TO RECEIVE PASSAGE LATCH, SCHLAGE "F" SERIES LEVER TYPE (ELAN), SINGEL CYLINDER WITH KEY FUNCTION ON THE EXTERIOR SIDE DEADBOLT (B360N), AND ROSE AND TURN (B-360) THUMB OPERATION ON THE INTERIOR SIDE.
 - B. ALL EXTERIOR DOORS TO BE KEYED ALIKE
 - C. PROVIDE MINIMUM (2) KEYS FOR EACH LOCK PER HOUSE
3. INTERIOR DOORS- NEW PRE-HUNG DOOR, 6 PANEL, TEXTURED, PRIMED HARDBOARD DOOR WITH WOOD STYLES & RAILS. MANUFACTURE: JELDWN OR EQUAL. ALL HARDWARE TO BE LEVER TYPE. INSTALL PRIVACY LOCKS ON BATHROOM DOORS. INSTALL KEYED LOCK ON WATER HEATER CLOSETS, AND NETWORK CLOSET AT COMMUNITY BUILDING. ALL OTHER DOORS TO RECEIVE PASSAGE LATCHES.
4. ATTIC ACCESS DOOR- CONSTRUCT AN ATTIC DAM AROUND ATTIC ACCESS FRAMING AND INSTALL GASKET (WEATHER STRIPPING) FOR TIGHT SEAL- INSULATE ATTIC SIDE OF ACCESS PANEL WITH RIGID INSULATION (XPS) TO
5. DOOR STOPS- PROVIDE WALL MOUNTED DOOR BUMPERS AT ALL DOORS. FINISH TO MATCH THE DOOR HARDWARE. PROVIDE SOLID BLOCKING IN WALLS TO SECURE BUMPERS. PROVIDE HINGE STOP WHERE WALL BUMPER IMPRACTICAL.

DIVISION 8B. EXTERIOR WINDOWS - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

2. SEE A404 WINDOW SCHEDULE FOR ALL WINDOW SPECIFICATIONS.

DIVISION 9A. GYPSUM WALL BOARD - CONTRACTOR TO PROVIDE FULL SUBMTTALS FOR ALL ITEMS THIS SECTION

1. GYPSUM BOARD: APPLY 5/8" GYPSUM BOARD TO ALL INTERIOR CEILING SURFACES, 1/2" TO ALL WALL SURFACES. APPLY NON-SAG TYPE AT INTERIOR CEILINGS, MOISTURE RESISTANT (MR) PURPLE BOARD IN ALL BATH ROOMS, LAUNDRY AREAS/ROOMS, AND BEHIND ALL KITCHEN SINKS & DISHWASHERS. USE TYPE X GYPSUM BOARD FOR ALL FIRE RATED WALL CONSTRUCTION.
2. THE INSTALLATION OF VAPOR BARRIER DIRECTLY BEHIND MOISTURE RESISTANT GYPSUM BOARD IS PROHIBITED BY CODE, 2012 IBC.

DIVISION 9B. PAINT - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. SEE A405 SCHEDULE FOR ALL LOCATIONS

1. ALL INTERIOR DRYWALL SURFACES TO BE PAINTED AND DOORS/TRIM WITH MATERIALS AS MANUFACTURED BY SHERWIN WILLIAMS "INTERIOR ACRYLIC LATEX LOW LUSTRE D17-150 SERIES", OR APPROVED EQUAL. EXTERIOR PAINT TO BE SHERWIN WILLIAMS "A-100 EXTERIOR LATEX". ALL PAINTING TO INCLUDE ALL MATERIALS AND LABOR NECESSARY TO ENSURE PROPER APPLICATION, INCLUDING: PREPARATION, MASKING, AND CLEAN UP. ALL SURFACES AT BATHROOMS, KITCHENS & LAUNDRY ROOMS SHALL CREATE DURABLE, CLEANABLE SURFACES - COORDINATE WITH PAINT MANUFACTURER FOR RECOMMENDATION.
2. EXTERIOR SIDING & TRIM: FACTORY FINISHED BY MANUFACTURER, COLOR SELECTED BY OWNER/ARCHITECT.
3. EXTERIOR DOORS, WOOD TRIM AND PANELING- PREP, CAULK AND PRIMER ALL SURFACES (WHICH ARE NOT PRE-PRIMED) AND APPLY TWO (2) COATS SEMI-GLOSS, ACRYLIC PAINT, COLOR BY OWNER/ARCHITECT SELECTION.
4. INTERIOR WALLS AND CEILINGS- APPLY CEILING AND WALL TEXTURE, TO BE LIGHT ORANGE PEEL THROUGHOUT, TYPICAL. PREP AND APPLY TWO (2) COATS EGG SHELL, COLOR: PER OWNER/ARCHITECT.
5. INTERIOR DOORS, SHELVES & TRIM- PREP, CAULK, PRIMER AND APPLY TWO (2) COATS SEMI-GLOSS, COLOR: PER OWNER/ARCHITECT.

DIVISION 9C. FLOORING - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION

1. FLOORING - PROVIDE & INSTALL LAMINATE PLANK FLOORING - MANUFACTURER "SHAW, VALORE PLANK" COLOR PER OWNER/ARCHITECT OR APPROVED EQUAL TYPICAL THROUGHOUT. FULLY PREP AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS/RECOMMENDATIONS, TYPICAL.
2. FLOORING - PROVIDE & INSTALL RESILIENT SHEET FLOORING - MANUFACTURER "SHAW, GENESIS." COLOR PER OWNER/ARCHITECT OR APPROVED EQUAL TYPICAL THROUGHOUT. FULLY PREP AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS/RECOMMENDATIONS, TYPICAL.
3. STAIR FLOORING - PROVIDE & INSTALL LAMINATE PLANK FLOORING TREADS - MANUFACTURER "SHAW, VALORE PLANK TREADZ SYSTEM". COLOR PER ARCHITECT/OWNER OR APPROVED EQUAL. PREP AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS/RECOMMENDATIONS, TYPICAL.
3. SHOWER TILE - SHOWERS: RECESS CONCRETE SHOWER FLOOR 3.5" COMPACT SHOWER FLOOR SUBSURFACE FOR A 2% GRADE FOR PROPER DRAINAGE. TILE FOR SHOWER FLOOR AND WALLS SHALL BE STATFORD 2" X 2" BOND MOSAIC 5045 GRABIT TO BE CUSTOM BUILDING PRODUCTS. #1221 INFN

DIVISION 11A. CASEWORK - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. LAYOUT AS INDICATED IN DRAWINGS. CABINETS IN KITCHEN, BATHROOMS AND BUILT-IN LINEN TO BE HUD HEAVY- USE RATED - ALL PLYWOOD CONSTRUCTION- INCLUDING FACE FRAME AND TOE KICK. NO MDF OR PARTICLE BOARD WILL BE ACCEPTED. SOLID WOOD STAIN-GRADE SHAKER NATURAL MAPLE DOORS WITH RECESSED PANEL OVER PARTIAL OVERLAY DESIGN AND FULL EXTENSION DRAWERS W/ SOFT CLOSE DRAWER CLOSURES. DOOR HINGES TO BE CONCEALED AND SELF-CLOSING. ADJUSTABLE SHELIVING TO BE PROVIDED WITH RAILS AND METAL PILASTER SHELF SUPPORTS. RECESSED PANEL STYLE AND WOOD STAIN FINISH. COLOR: DARK STAIN, TBD BY OWNER/ACHITECT, INCLUDE FINISH SAMPLES IN SUBMITTAL. PROVIDE SAMPLE AND SUBMITTAL OF COMPLIANT DRAWER PULL HANDLES. INSTALL PER MANUFACTURERS DIRECTIONS INCLUDING SOLID WOOD BLOCKING WHERE REQUIRED. CABINETS TO HAVE MINIMUM OF 7 YEARS FINISH AND MATERIAL WARRANTY AGAINST DEFECTS IN WORKMANSHIP.
2. PLANS VARY - ACTUAL DIMENSIONS AND LAYOUTS SHOULD BE FULLY REVIEWED AND FIELD VERIFIED PRIOR TO ORDERING/INSTALLATION.
3. COUNTERTOPS: 4" INTEGRAL BACKSPLASH AND CASCADE EDGES. INSTALL SIDE SPLASHES IN ALL CORNER LOCATIONS, AS REQUIRED. "WILSONART" STANDARD LAMINATES, COLOR PER OWNER/ARCHITECT OR APPROVED EQUAL.
4. PROVIDE ADA FRONT APPROACH ASSESSABLE CABINET AT THE KITCHEN SINK AND BATHROOM VANITIES AT ADA UNITS.

NOTE: ALL KITCHEN CABINETS TO BE ADA HEIGHT CABINETS THAT ARE BLOCKED UP TO STANDARD HEIGHT FOR COUNTER TOP INSTALL. (THIS WILL ALLOW FOR EASIER CONVERSION TO FULL ADA UNITS IN THE FUTURE)

DIVISION 11B. APPLIANCES - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. ALL APPLIANCES SHALL BE ENERGY STAR RATED AND ADA COMPLIANT
2. REFRIGERATOR: GENERAL ELECTRIC GIE18ETHWW 18.2 CU. FT. ENERGY STAR RATED WITH ICE-MAKER. HINGE SIDE FOR PROPER ACCESS FROM KITCHEN, WHITE.
2. ELECTRIC RANGE: GENERAL ELECTRIC JB460DMWW, SELF-CLEANING, WHITE
3. RANGE HOOD: GENERAL ELECTRIC JV338HWW, 30" WIDE, WHITE, VENTED THROUGH ROOF.
4. WASHER: GENERAL ELECTRIC GFW430SSMWW, FRONT LOAD, 4.4 CU. FT. ENERGY STAR, WHITE.
5. DRYER: GENERAL ELECTRIC GFD43ESSMWW, FRONT LOAD, 7.5 CU. FT. ENERGY STAR, WHITE.
6. DISHWASHER: GENERAL ELECTRIC GDF640HSMSS, 24" WIDE, ENERGY STAR RATED, WHITE.

DIVISION 11C. BATH ACCESSORIES (EACH TOILET ROOM) - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. MIRRORS: (1) EACH PER BATHROOM, CENTERED ABOVE LAVATORY WIDTH OF VANITY BELOW. ALL ADA UNITS: ONE (1) EACH, ADA COMPLIANT, AS REQUIRED FOR ACCESSIBILITY.
2. TOWEL BAR- ONE (1) EACH TOILET ROOM - 24" SURFACE MOUNTED, FINISH: SATIN NICKEL. 'STONE HARBOR' #MP24240 OR EQUAL.
3. TOILET PAPER HOLDER- ONE (1) EACH, CONCEALED SURFACE MOUNTED, FINISH: SATIN NICKEL. 'STONE HARBOR' #MP42060, OR EQUAL.
4. ROBE HOOK - ONE (1) EACH TOILET ROOM, CONCEALED SURFACE MOUNTED, FINISH: SATIN NICKEL. 'STONE HARBOR' #MP4202, OR EQUAL
5. SHOWER CURTAIN ROD- ONE (1) AT EACH SHOWER OR TUB ENCLOSURE, COLOR: SILVER/NICKEL. FASTEN TO WALL.
6. GRAB BARS AT ADA WATER CLOSETS - 1 1/2" DIAMETER, CONCEALED MOUNT, TYPE 304, 18 GAUGE STAINLESS STEEL, ADA APPROVED 'FRANKLIN BRASS' CENTURIAN # 5642PSBS (42"), #5636PSBS (36") & #5618PSBS (18") OR EQUIVALENT. INSTALL PER MANUFACTURERS SPECIFICATIONS AND INSTALL WALL BLOCKING AS REQ'D PER UNIVERSAL DESIGN CHECKLIST AND ADA ACCESSIBILITY GUIDELINES.
7. INSTALL WOOD BLOCKING FOR INSTALLAION OF ALL TOWEL BARS, TOILET PAPER HOLDERS, & ROBE HOOKS.

DIVISION 12. FURNISHINGS - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. WINDOW TREATMENTS: INSTALL ONE VINYL MINI BLIND AT EACH EXTERIOR WINDOW - MANUFACTURER/COLOR OR APPROVED EQUAL PER OWNER/ARCHITECT.
2. PARK BENCH: TREX OUTDOOR FIVE FOOT BENCH. "YACHT CLUB" MODEL #TXB60
3. PARK TRASH CAN: OUTDOOR PERFORATED METAL TRASH RECEPTACLE (32 GALLON) WITH RAIN BONNET LID. "ULTRA PLAY", MODEL #43060.
4. CLUSTER MAIL DELIVERY BOX: PROVIDE AND INSTALL CLUSTER BOX UNITS AND CONCRETE PAD. "SALSBURY" MODEL #3316, TYPE III: 16 A-SIZE COMPARTMENTS, 1 OUTGOING MAIL RECEPTACLE, 2 PARCEL LOCKERS. CLUSTER BOX UNITS MUST BE AN OFFICIALLY LICENSED PRODUCT OF THE USPS. FINISH/COLOR TBD BY OWNER/ARCHITECT THROUGH SUBMITTAL.

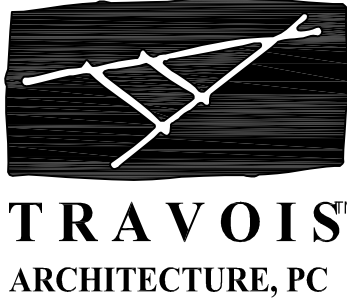
DIVISION 22. PLUMBING - REFER TO MECHANICAL DRAWINGS

DIVISION 23. MECHANICAL - REFER TO MECHANICAL DRAWINGS

DIVISION 26. ELECTRICAL - REFER TO ELECTRICAL DRAWINGS

DIVISION 32. TURF & GRASSES - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION

1. PROPERLY GRADE ALL DISTURBED AREAS OF CONSTRUCTION SITE AND NO LESS THAN 25' AROUND PERIMETER OF UNIT. PREPARE BY GRADING TOP SOIL TO A DEPTH OF 4 INCHES, FREE OF 1 INCH AND LARGER STONES. MAINTAIN LAWN UNTIL ESTABLISHED, BUT FOR NOT LESS THAN 30 DAYS.
2. (IF OWNER SELECTS) EVENLY DISTRIBUTE SEED AT ALL DISTURBED SOIL. COVER WELL WITH AN EVENLY DISTRIBUTED LAYER OF STRAW. SATURATE SEED WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK WATER DAILY



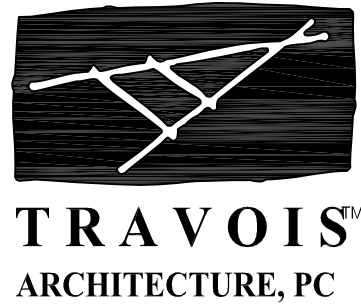
SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

TRAVOIS DESIGN
310 W. 19TH TERRACE
KANSAS CITY, MO 64108
P 816.994.8970
F 816.994.8974

| REVISION | DATE |
|--------------|-----------|
| 100% BID SET | 9/21/2021 |
| ADDENDUM 1 | 5/09/2022 |
| ADDENDUM 3 | 5/23/2022 |


SHEET
A002

SPECIFICATIONS



SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

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SHEET
A200

TWO BEDROOM FLOOR PLAN & INTERIOR ELEVATIONS





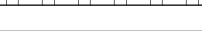

GENERAL NOTES

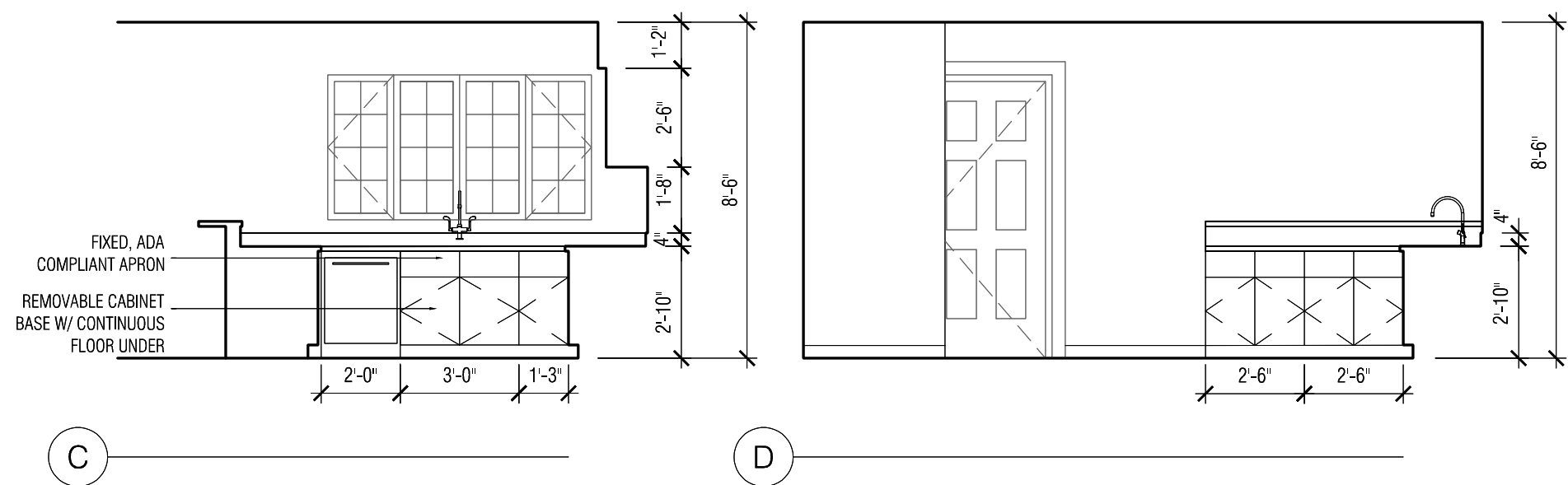
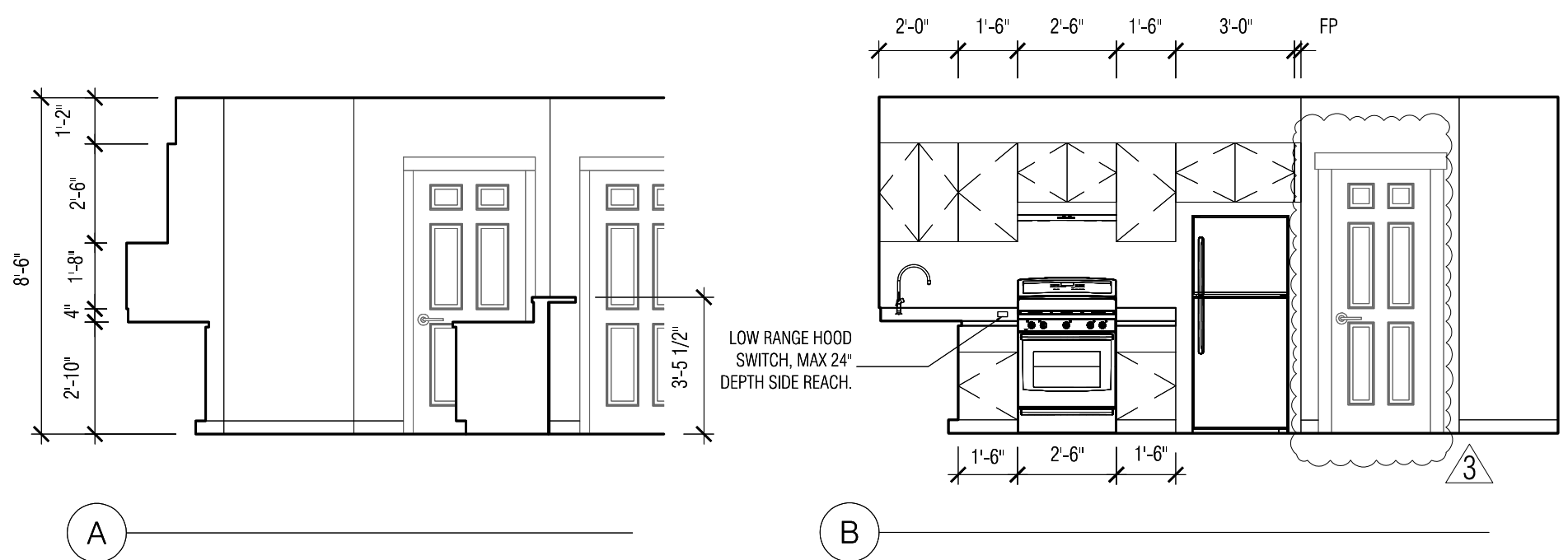
1. REFER TO CIVIL SHEETS FOR BUILDING LOCATIONS, SITE GRADING AND ADDITIONAL INFORMATION
2. SEE MEP DRAWINGS FOR FIXTURES TYPES AND SCHEDULES
3. SEE ATS FOR LEGEND AND MATERIALS NOT SHOWN
4. SEE A001 & A002 FOR ADDITIONAL SPECIFICATIONS
5. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS
6. ALL WALL DIMENSIONS TO EDGE OF FRAMING OR CENTER OF ROUGH OPENING. U.N.O. SEE ATS LEGEND FOR CLARIFICATIONS
7. SEE STRUCTURAL SHEETS FOR WALL FRAMING AND TYPES NOT SPECIFICALLY REFERENCED.
8. FOUNDATIONS TO BE C.I.P. . SEE S SHEETS FOR ADDITIONAL INFORMATION.
9. SEE A404 FOR WINDOW AND DOOR SCHEDULES. FINAL R.O. PER DOOR/ANDW MFR
10. ALL INTERIOR DOORS NOT DIMENSIONED SHALL BE 3 1/2" FROM NEAREST STUD WALL, U.N.O.
11. ALL WALL SURFACES IN BATHROOMS, WET LOCATIONS, RANGE TOP AND HOT WATER HEATER TO RECEIVE 3/4" WATER RESISTANT GYP.
12. PROVIDE BLOCKING FOR ALL WALL MOUNTED DEVICES: SUCH AS, BUT NOT LIMITED TO: CABINETS, SHELVES, HARDWARE, TOILET ACCESSORIES AND ALL GRAB BARS. PROVIDE BLOCKING IN ALL BATHROOMS FOR FUTURE GRAB BAR INSTALLATION.
13. TEXTURE ALL DRYWALL TO BE ORANGE PEEL APPLIED PER SPECS. FINISH THROUGHOUT PRIOR TO PAINTING.
14. SEE A402 FOR TYP. WALL TYPES
15. MIN. INSULATION REQUIREMENTS CLIMATE ZONE 4C:
ROOF/ ATTIC ASSEMBLY- R-49
EXTERIOR CAVITY WALLS- R-21
SLAB- R-10 (UNDER ENTIRE SLAB)
16. PROVIDE PASSIVE RADON SYSTEM PER MEP SHEETS & DETAIL 3/A402
17. ALL INTERIOR PAINTS MUST COMPLY WITH GREEN SEAL STANDARDS FOR LOW VOC LIMITS
18. BUILDING ENVELOPE TO HAVE AND AIR LEAKAGE RATING OF LESS THAN OR EQUAL TO 0.40 CFM/SQ.FT.
19. EACH DWELLING UNIT IS DESIGNED TO COMPLY WITH OPTIONS 1A AND 3D OF TABLE R406.2

KEYNOTES

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- 2 REFRIGERATOR (RE: SPECIFICATIONS)
- 3 KITCHEN SINK (PER PLUMBING SHEETS)
- 4 TOILET (PER PLUMBING SHEETS, ADA AS REQUIRED)
- 5 BATHROOM VANITY (SEE INTERIOR ELEVATIONS) AND SINK (PER PLUMBING SHEETS). ADA VANITY AT ADA UNITS.
- 6 BATHROOM ACCESSORIES: TOILET PAPER HOLDER, TOWEL BAR, ROBE HOOK, SHOWER CURTAIN ROD, MIRROR (ONE BEHIND ALL SINKS), MEDICINE CABINET (FULL BATHS ONLY), AND GRAB BARS AS REQUIRED BY ADA AT TOILETS AT ADA UNITS (REFERENCE SPECIFICATION SHEETS).
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- 8 CLOTHES ROD & SHELF AT ALL BEDROOM AND ENTRY CLOSETS.(RE:SPECIFICATIONS)
- 9 WASHER AND DRYER (RE: SPECIFICATIONS)
- 10 PRE FINISHED 5" GUTTER AND 2"x3" DOWNSPOUT AND SCUPPER. RUN TO SPLASHBLOCK THAT TERMINATES 5'-0" FROM FOUNDATION.
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- 12 BATH/SHOWER ENCLOSURE PER MEP SPEC. ALL ADA UNIT SHOWERS TO HAVE TILED SHOWER BASE AND FLOOR. SLOPE CONCRETE 2% TO DRAIN. SEE A002 FOR TILE SPECS.
- 13 PROVIDE POSITIVE DRAINAGE AWAY FROM EXTERIOR DOORS AT ALL EXTERIOR PATIOS AND CARPORTS.
- 14 ATTIC ACCESS HATCH PER SPECIFICATION
- 15 15" DEEP SOFFITS ABOVE KITCHEN CABINETS
- 16 PRE-FAB WOOD TRUSS. ENERGY HEEL.
- 17 SHELF ABOVE WASHER/DRYER
- 18 SOFFIT PANEL PER SPECIFICATION.
- 19 LAP SIDING PER SPECIFICATION.

LEGEND

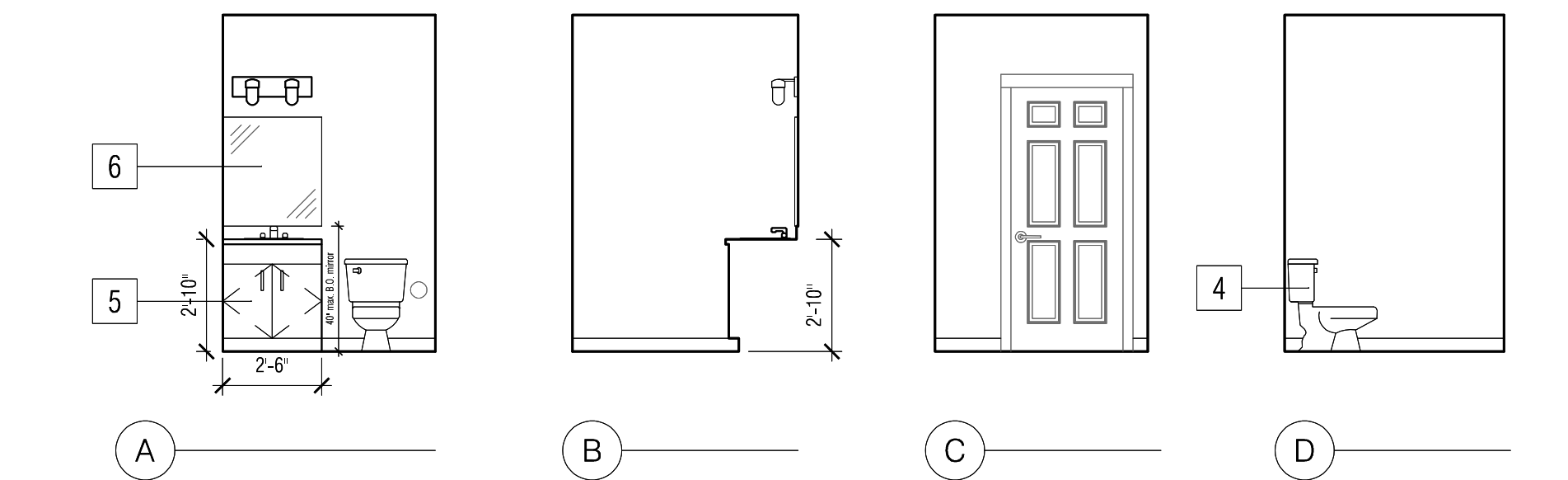
| | | | |
|---|---------------------------------------|---|--|
|  | METAL ROOF |  | FLAT CEILING, HEIGHT AFF AS NOTED, FIN. PER SCHED. |
|  | LAP SIDING, COLORS TBD BY OWNER. |  | FLAT CEILING, HEIGHT AFF AS NOTED, FIN. PER SCHED. |
|  | VERTICAL SIDING, COLORS TBD BY OWNER. |  | LP SMARTSIDE SOFFIT BOARD VENTED WHERE ADJ. TO ATTIC AT OUTRIGGERS |



KITCHEN 2

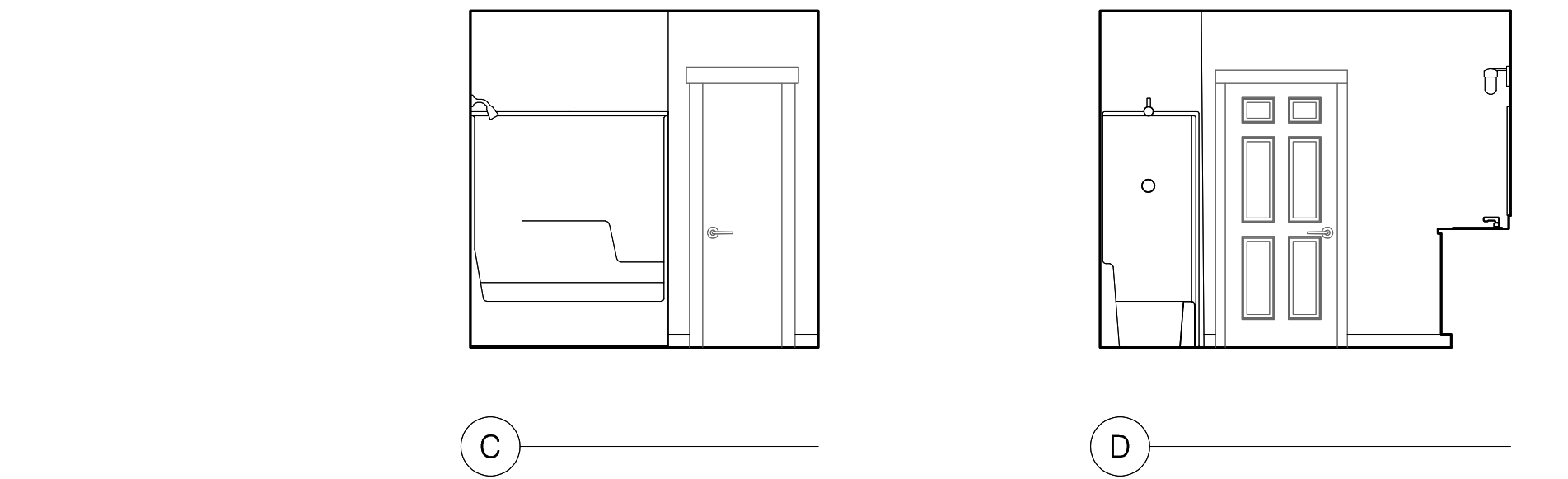
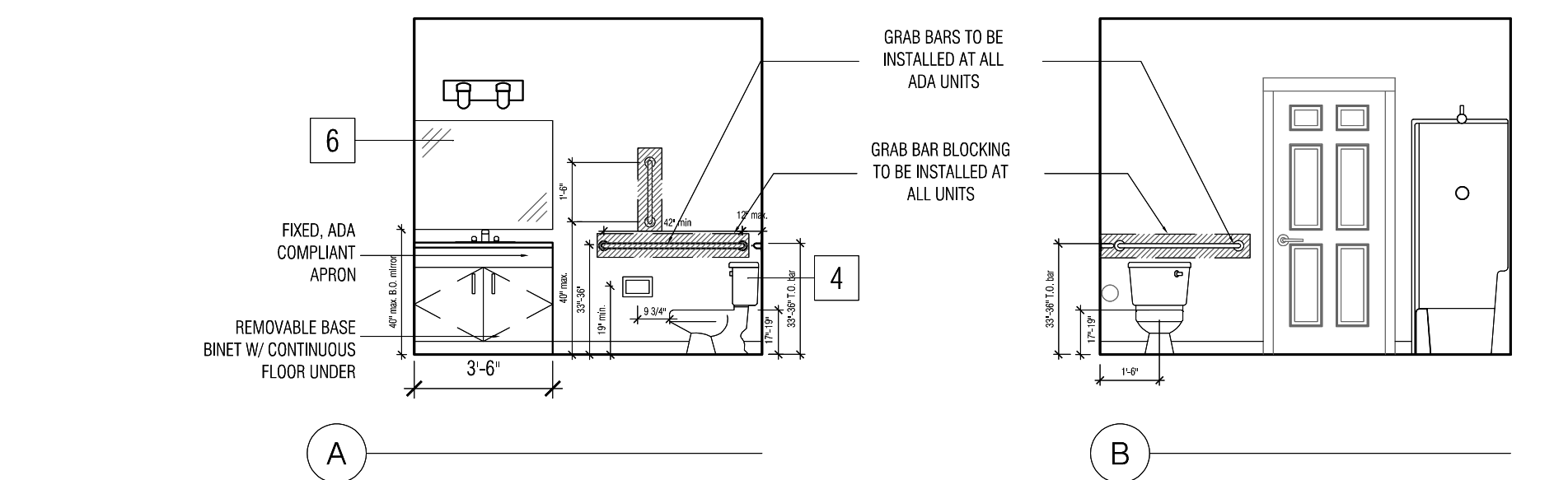
Scale: 1/4" = 1'-0"

Scale: $1/4" = 1'-0"$



1/2 BATH **3**
Scale: 1/4" = 1'-0"

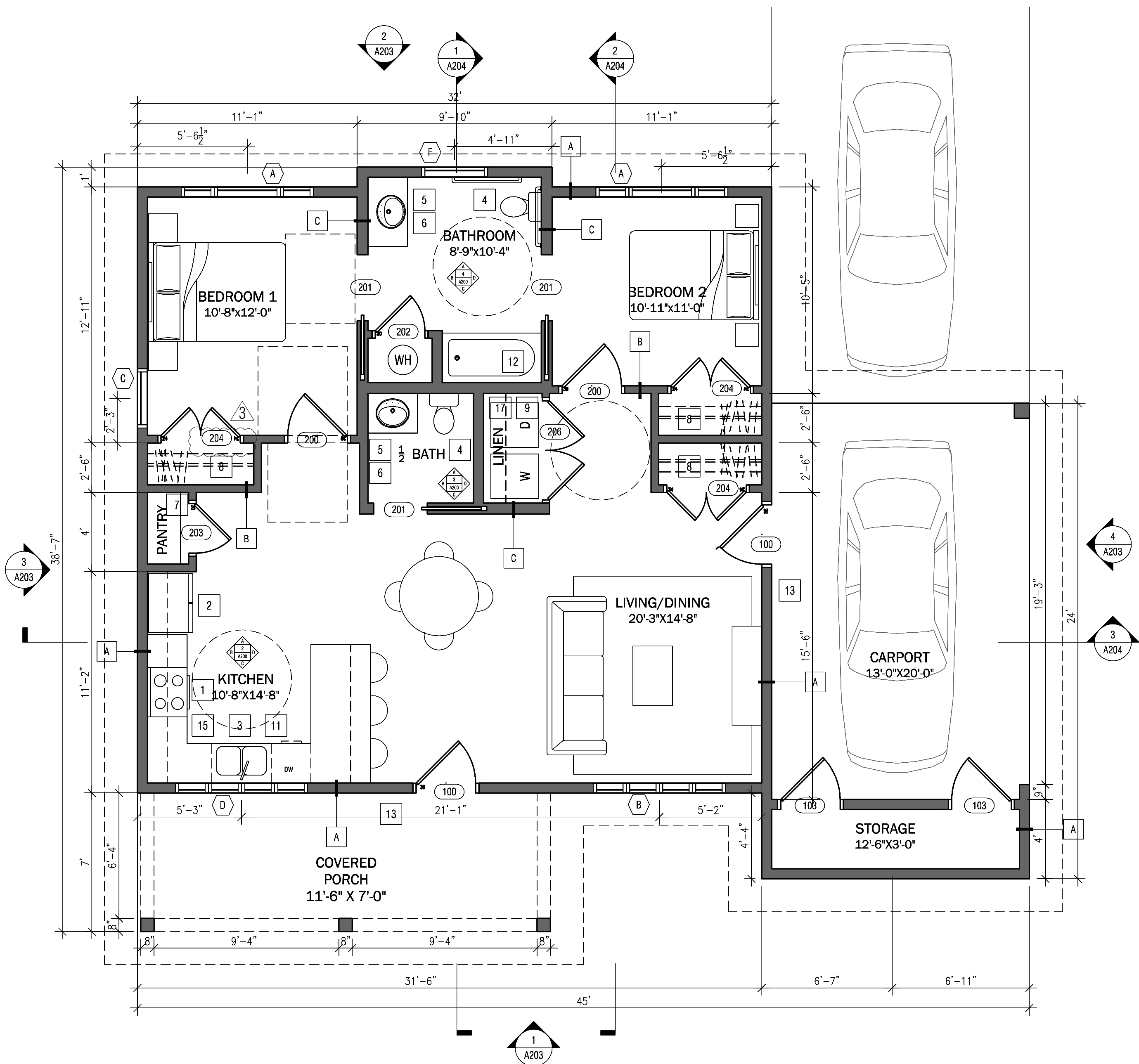
Scale: $1/4" = 1'-0"$



BATHROOM 4

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

Scale: $1/4" = 1'-0"$



FLOOR PLAN 1

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

Scale: $1/4" = 1'-0"$

| REVISION | DATE |
|--------------|-----------|
| 100% BID SET | 9/21/2021 |
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| ADDENDUM 3 | 5/23/2022 |

GENERAL NOTES

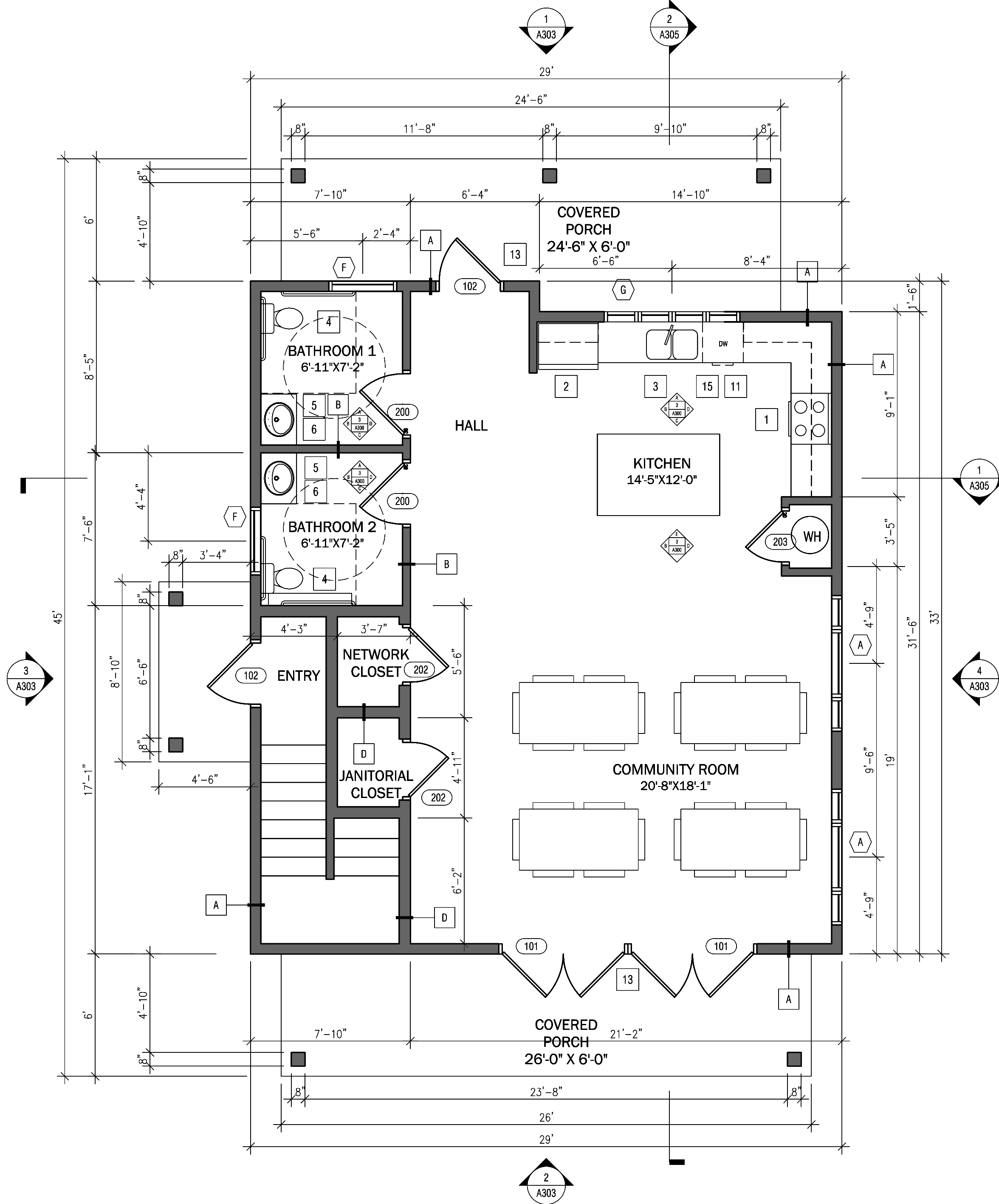
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LEGEND

| | |
|---------------------------------------|--|
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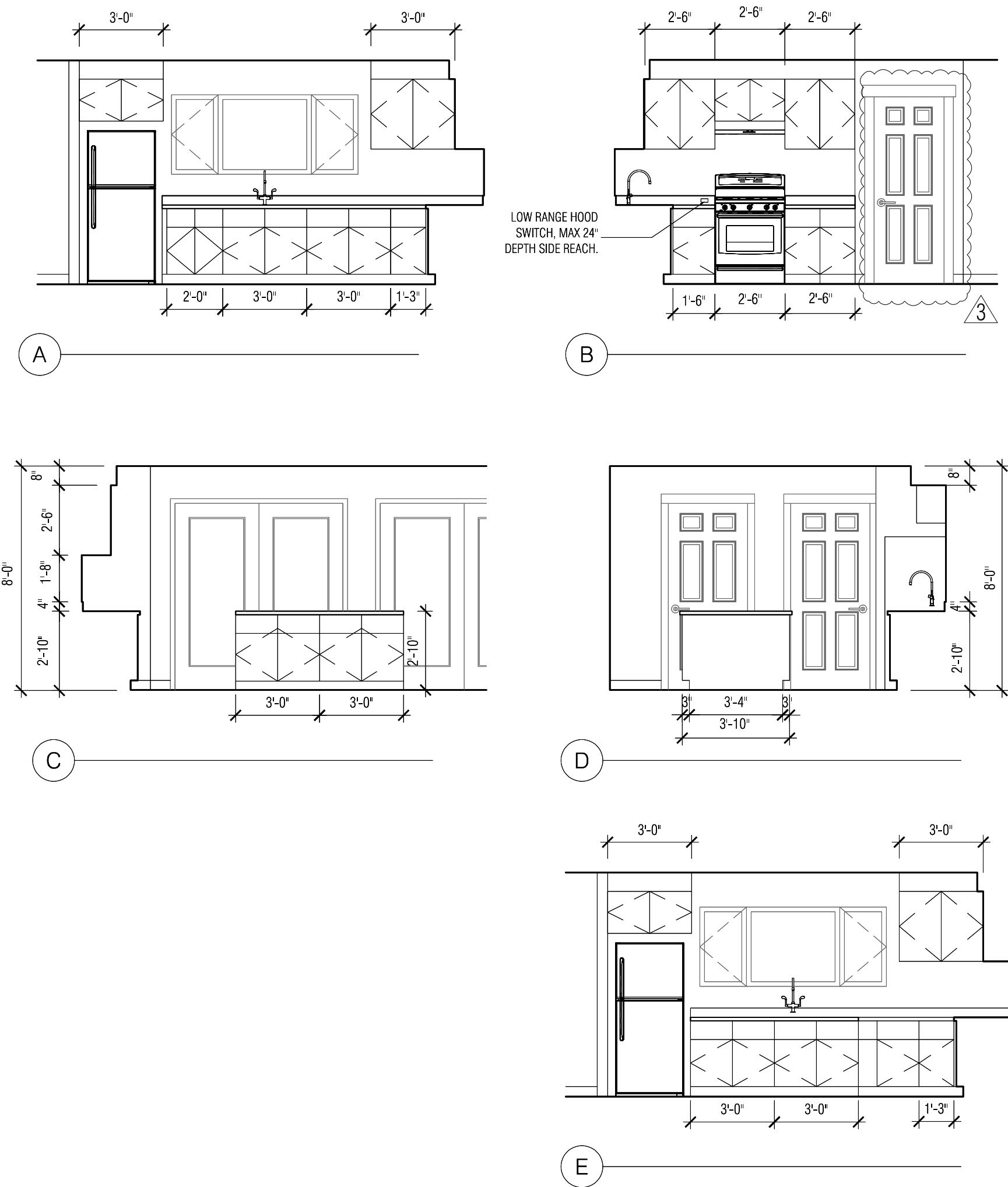
FIRST FLOOR PLAN

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

1

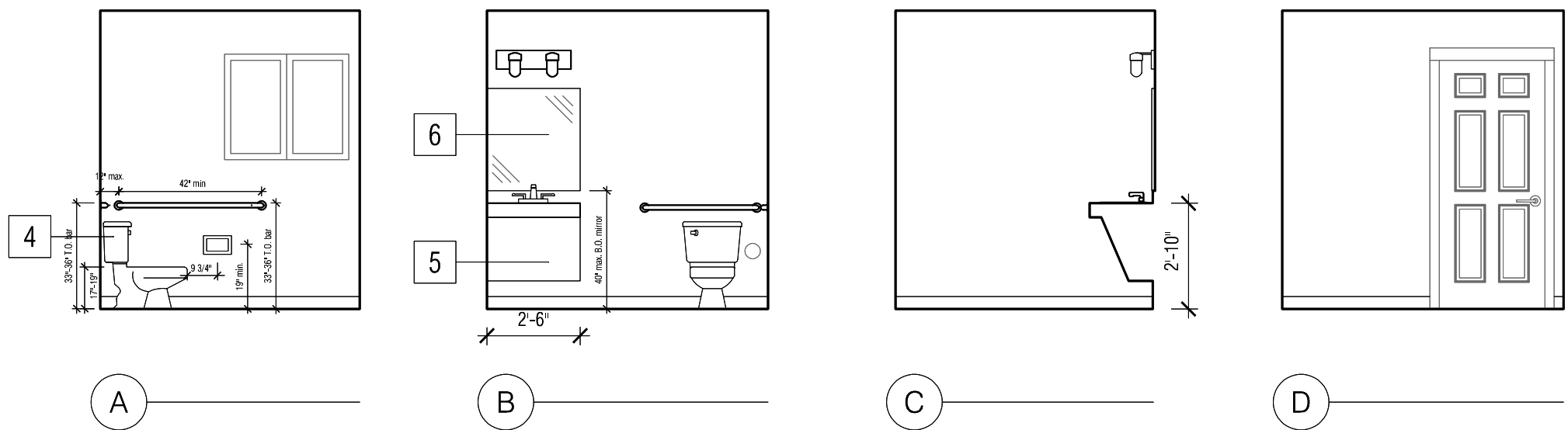
KITCHEN 2

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



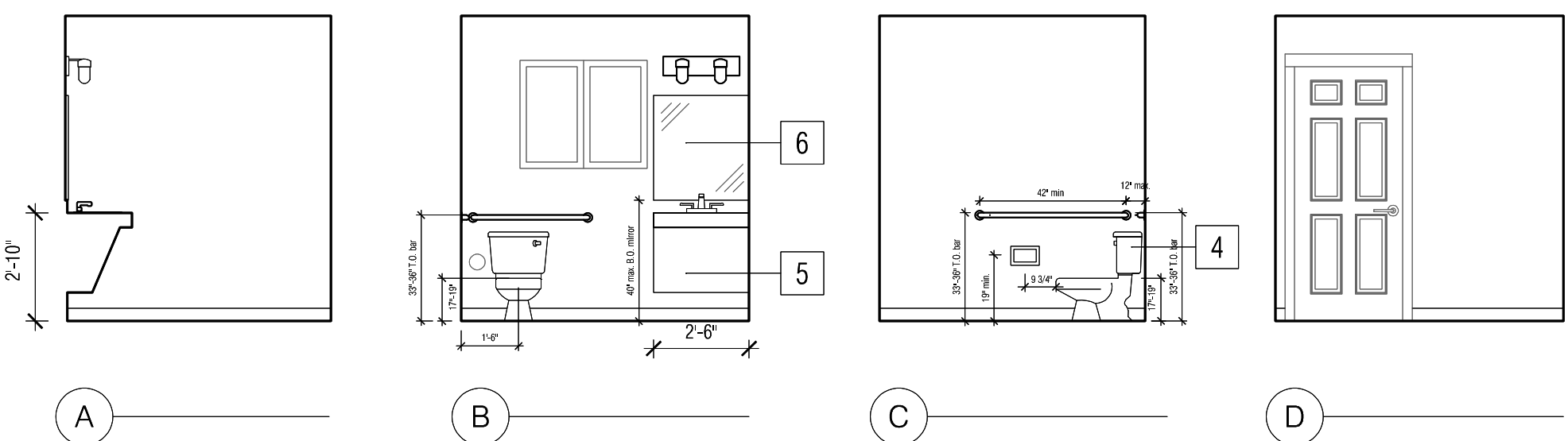
BATHROOM 1 3

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



BATHROOM 2 4

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



| REVISION | DATE |
|-------------------|-----------|
| 100% BID SET | 9/21/2021 |
| ADDENDUM <u>1</u> | 5/09/2022 |
| ADDENDUM <u>3</u> | 5/23/2022 |

SHEET

A301

COMMUNITY BUILDING
SECOND FLOOR PLAN &
INTERIOR ELEVATIONS

GENERAL NOTES

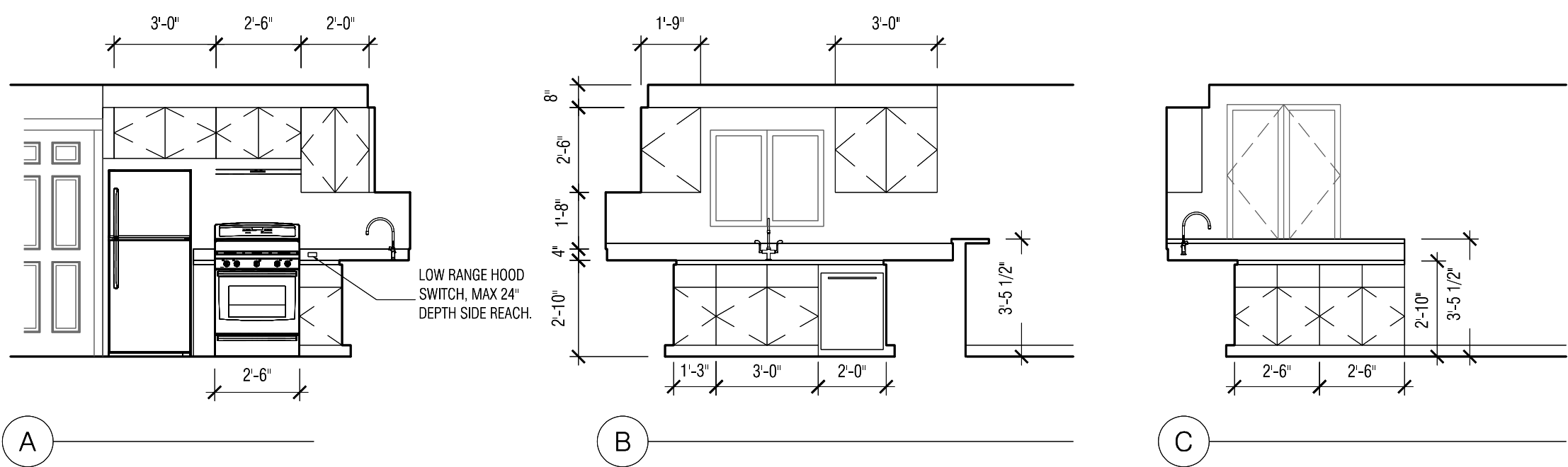
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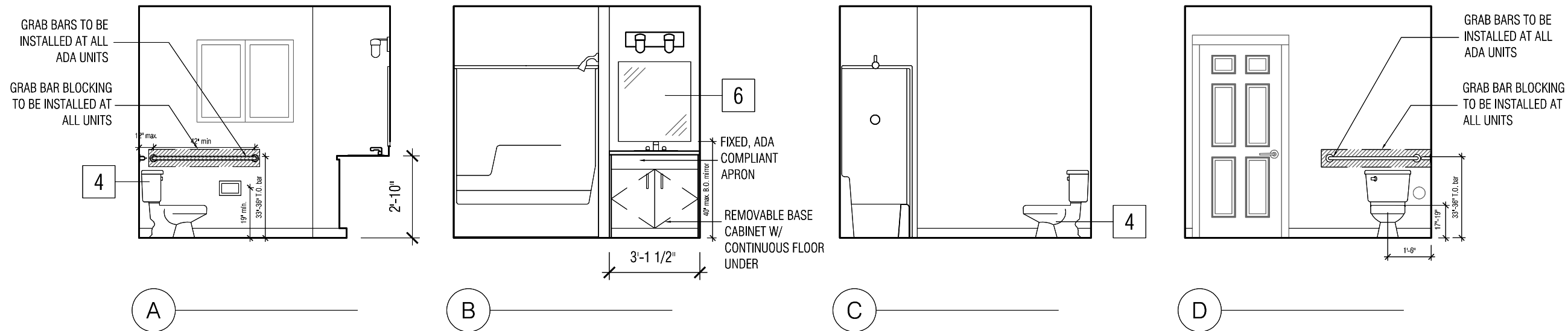
LEGEND

| | | | |
|--|---------------------------------------|--|--|
| | METAL ROOF | | FLAT CEILING. HEIGHT AFF AS NOTED, FIN. PER SCHED. |
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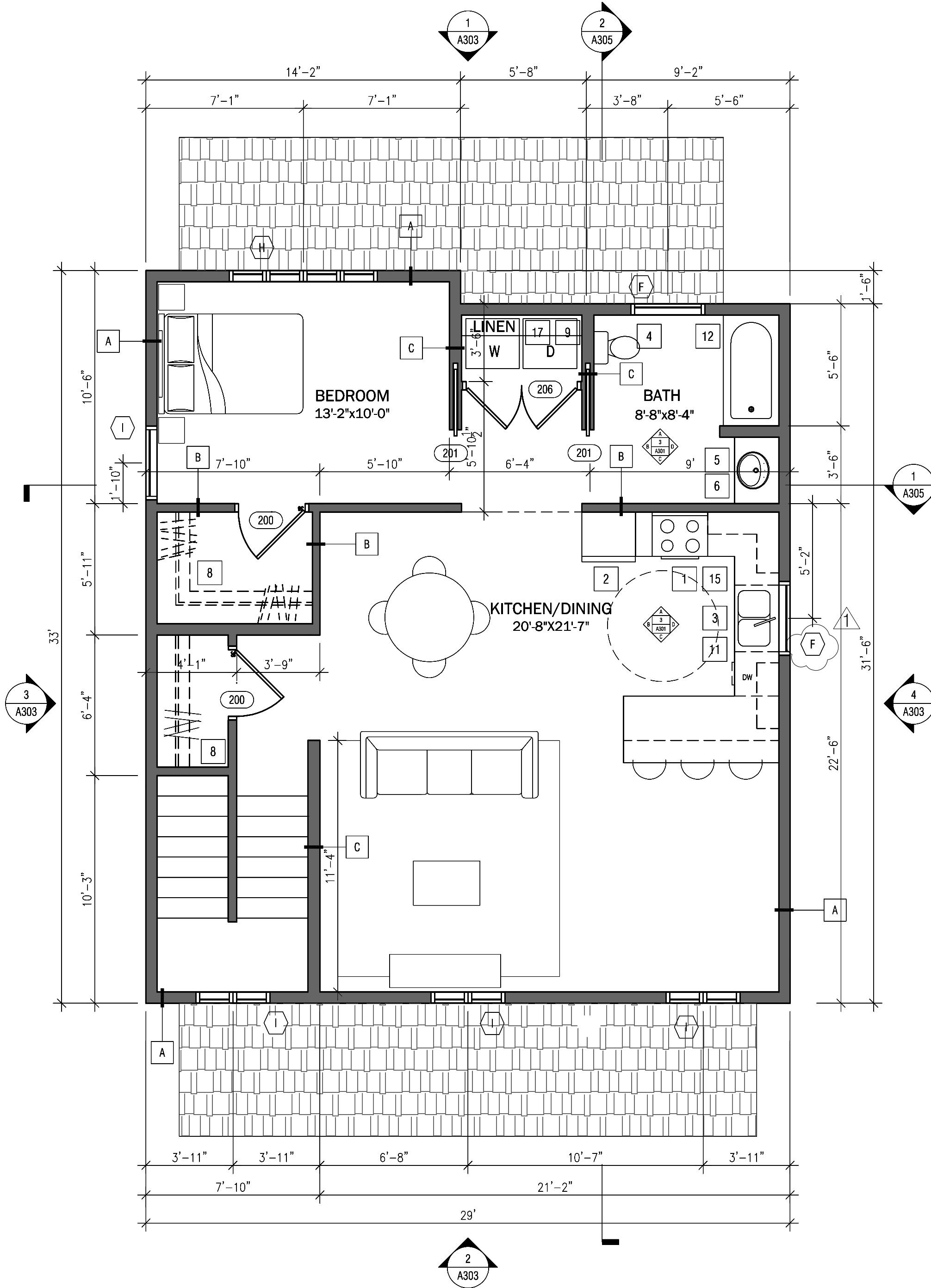
KITCHEN 2

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



BATHROOM 1 3

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



SECOND FLOOR PLAN - OPTION A 1

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

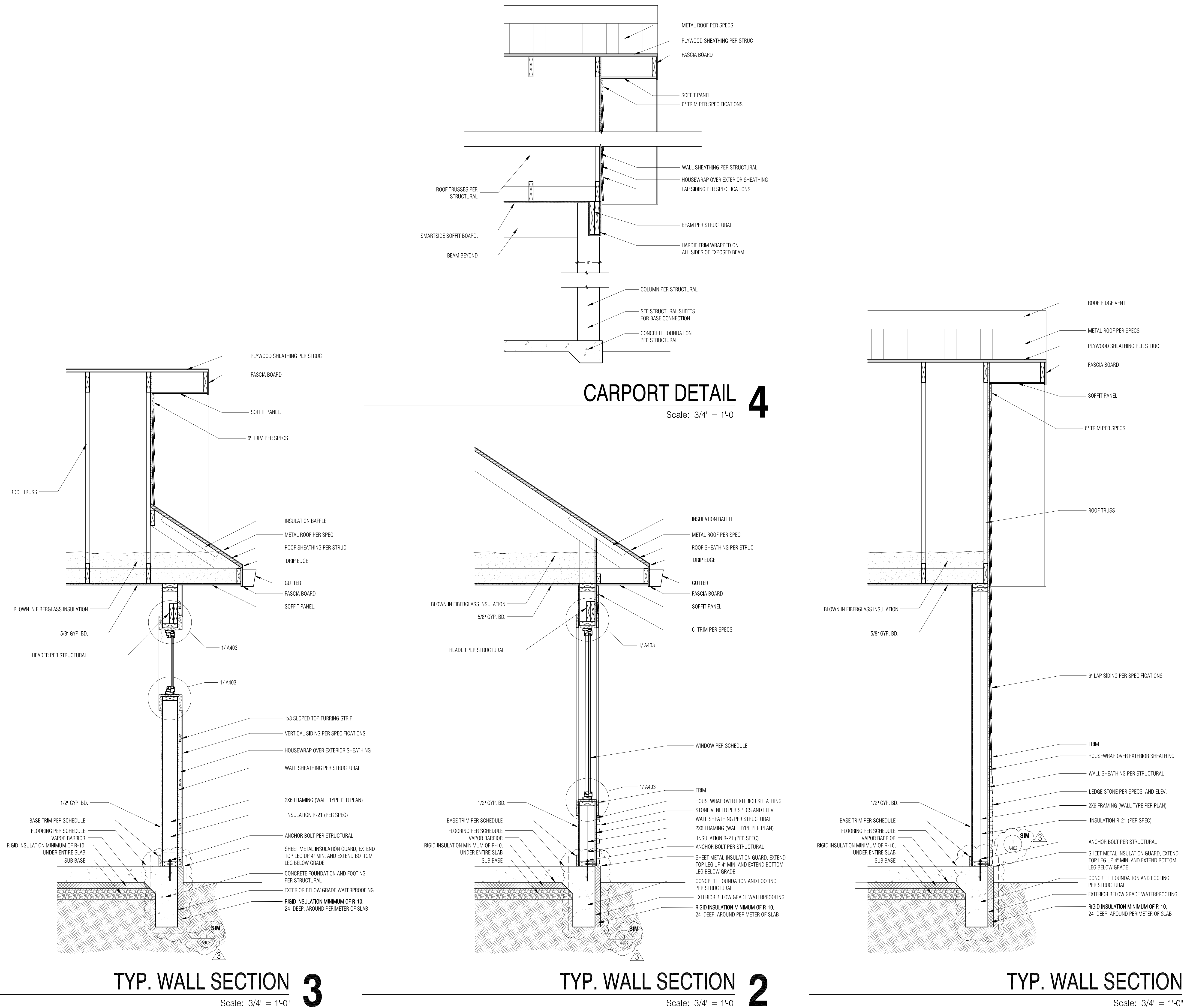
SAMISH 34th ST HOUSING
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ANACORTES, WA 98221

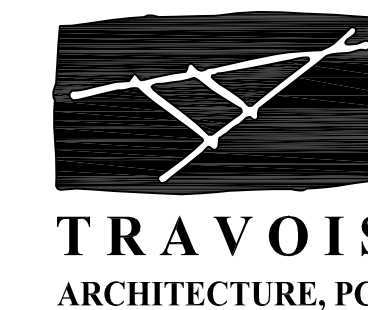
TRAVOIS DESIGN
310 W. 19TH TERRACE
KANSAS CITY, MO 64108
P 816.994.8970
F 816.994.8974

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|--------------|-----------|
| 100% BID SET | 9/21/2021 |
| ADDENDUM 1 | 5/09/2022 |
| ADDENDUM 3 | 5/23/2022 |

SHEET
A400

TYP. WALL
SECTIONS, ENLARGED
PLANS





SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

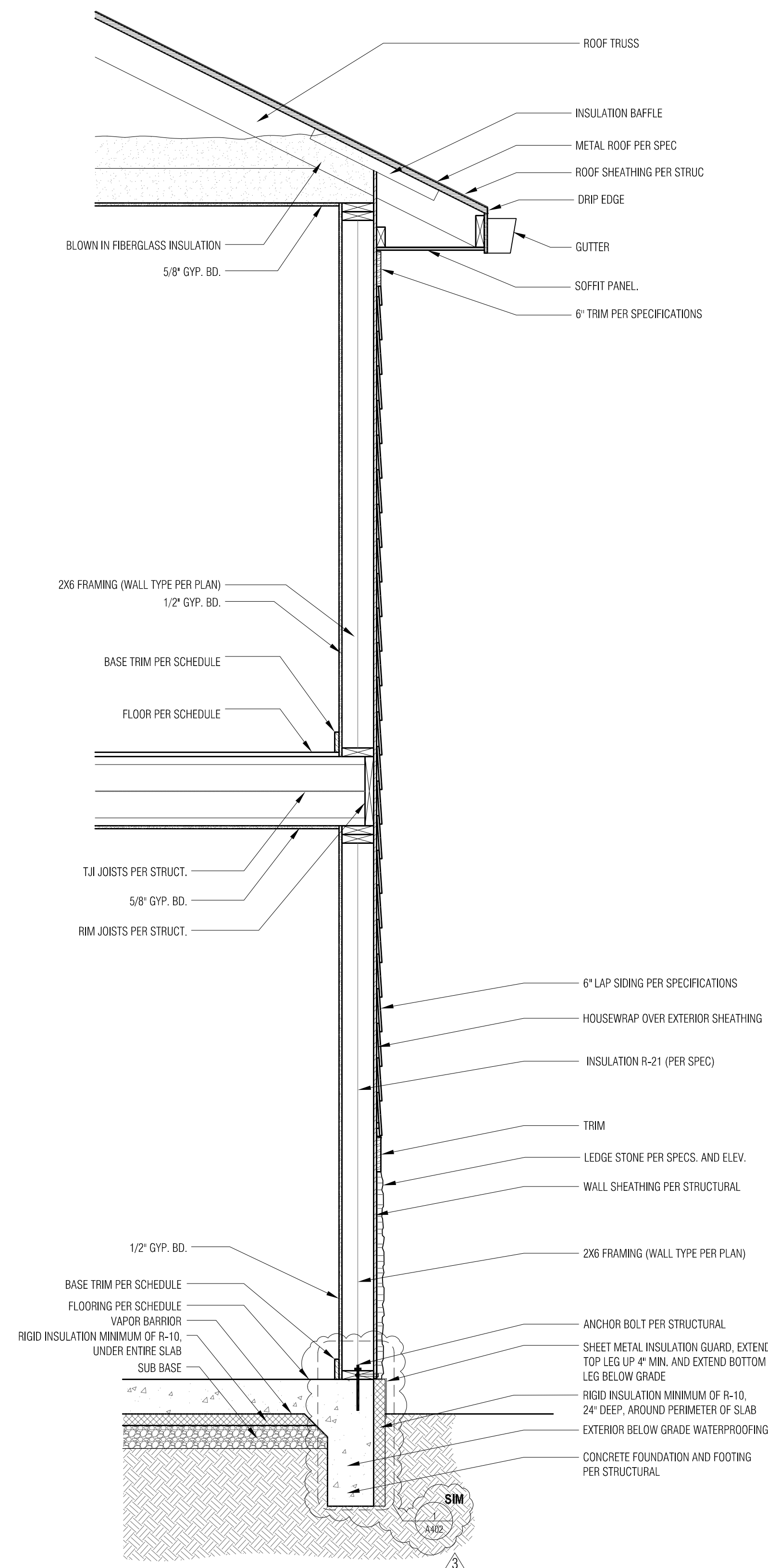
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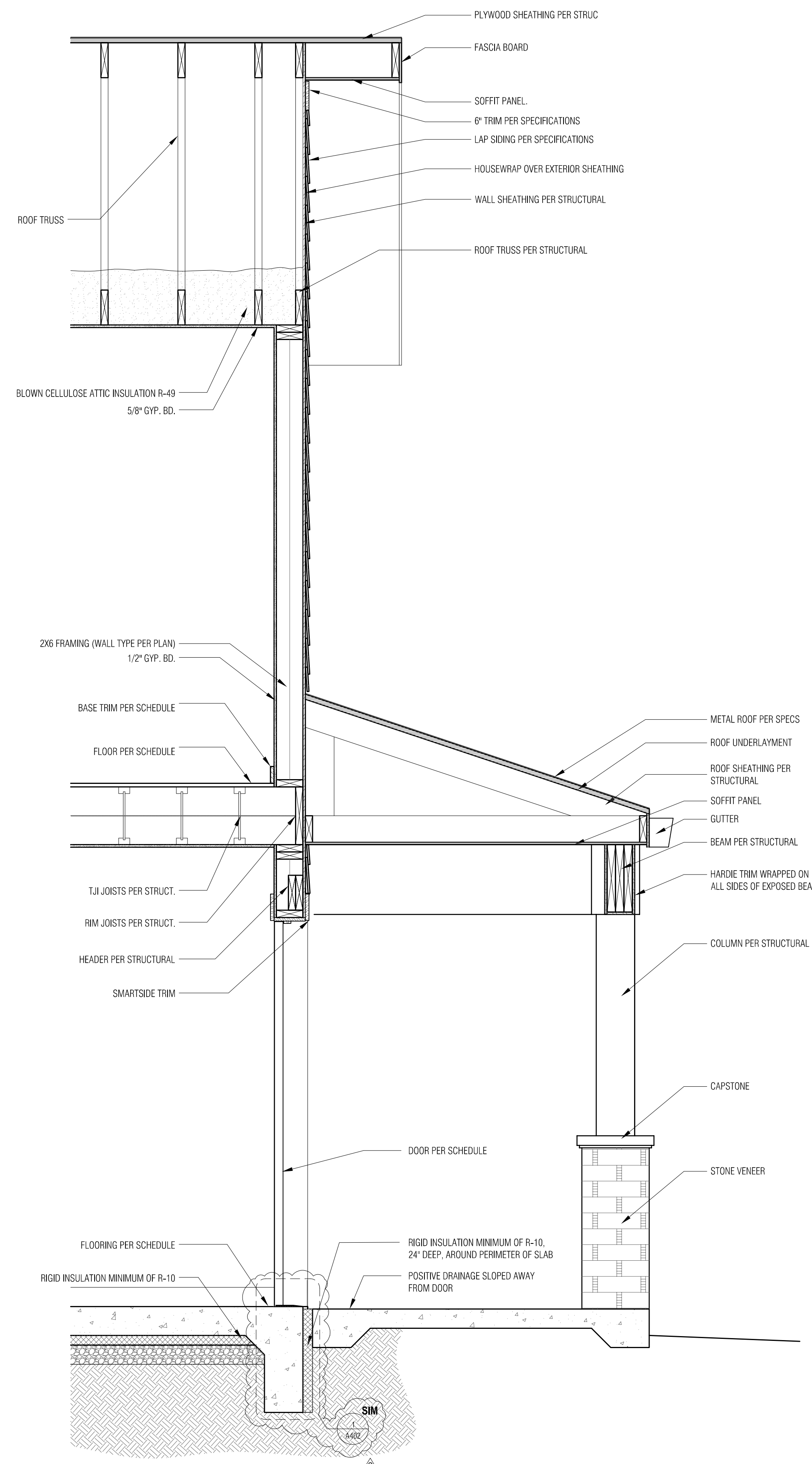
SHEET

A401

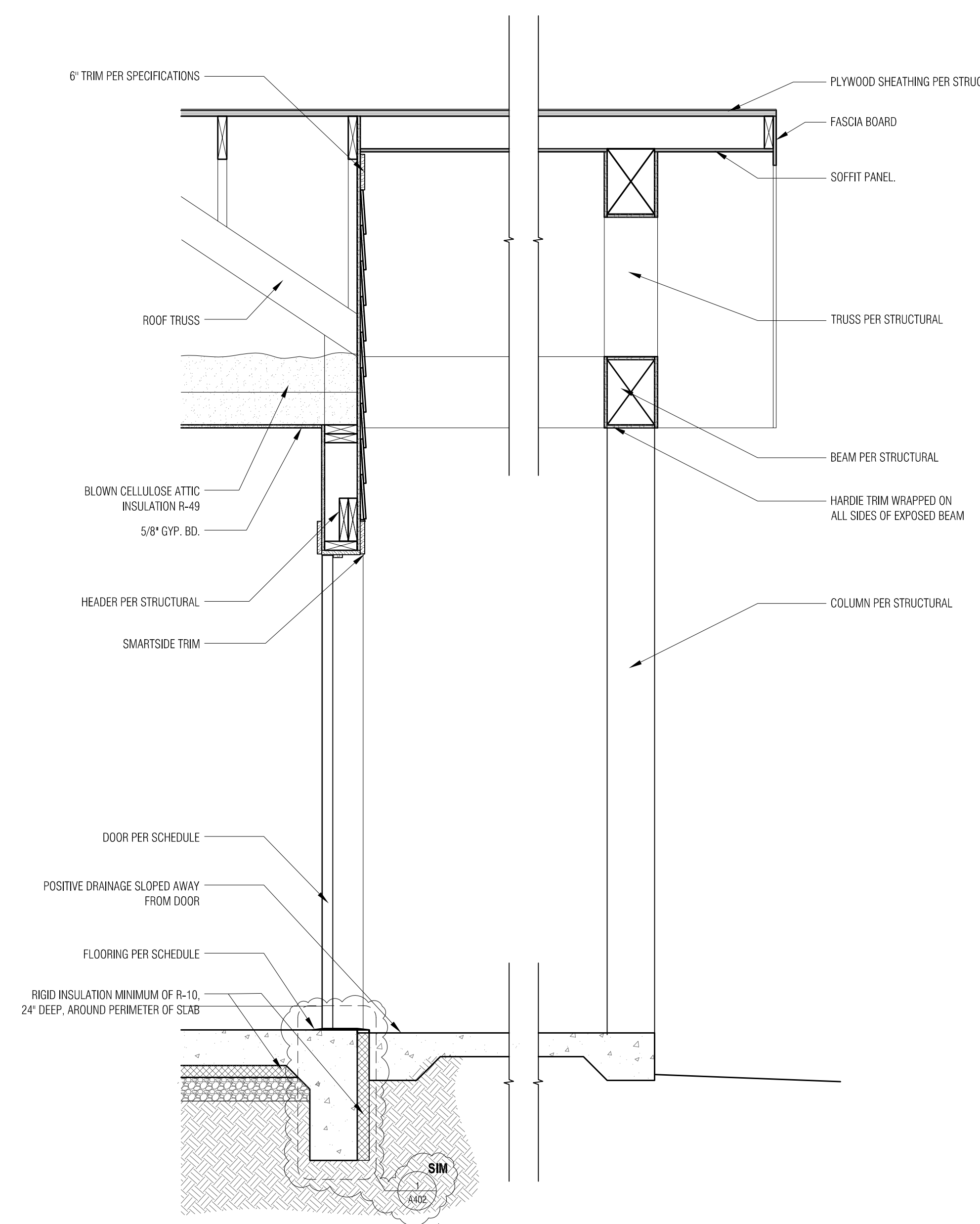
TYP. WALL
SECTIONS, ENLARGED
PLANS



TYP. WALL SECTION 3

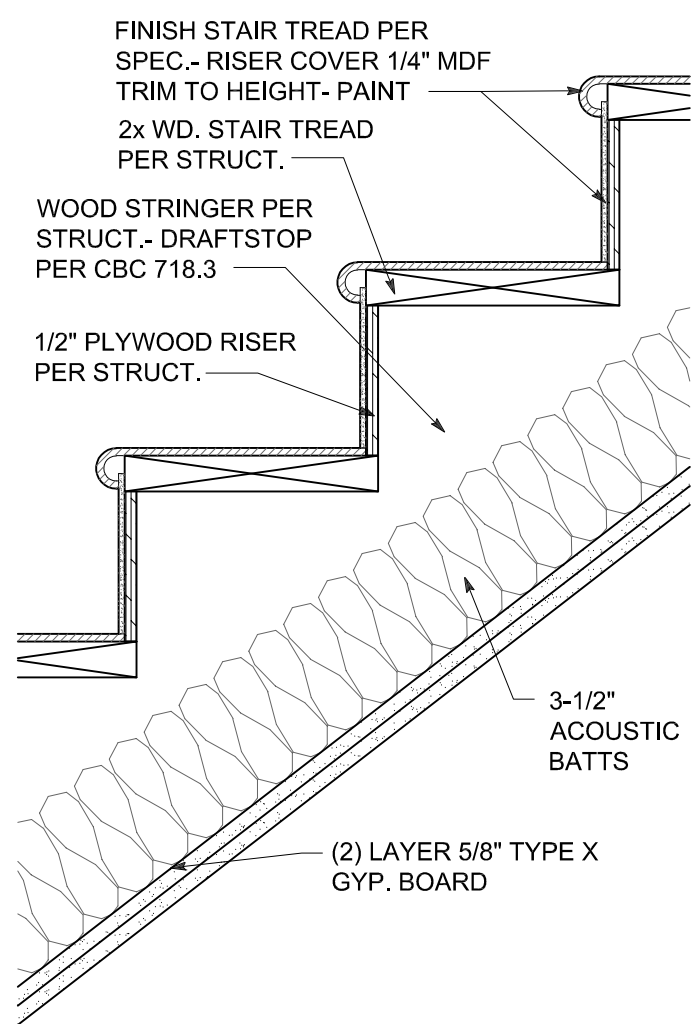


TYP. WALL SECTION 2



TYP. WALL SECTION

Scale: 3/4" = 1'-0"



GA FILE NO. RC 2601

GENERIC
1 HOUR FIRE
U.N. STC SOUND

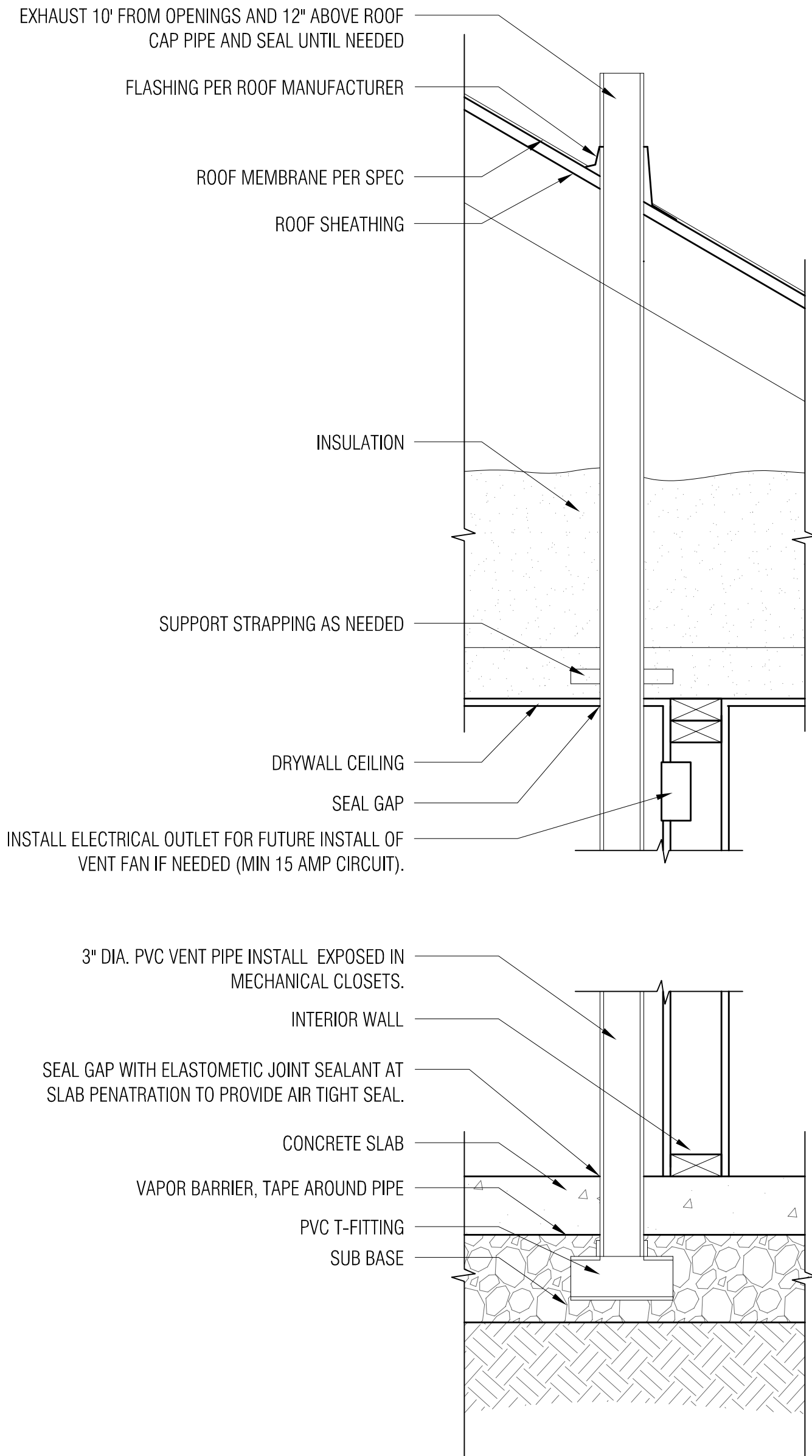
WOOD STRINGER,
GYPSUM WALLBOARD

BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO 2X10 WOOD STUDS 24" O.C. WITH 1-1/4" TYPE W OR S DRYWALL SCREWS 24" O.C. FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO EACH SIDE WITH 1-7/8" TYPE W OR S DRYWALL SCREWS AT 12" O.C. AT JOISTS AND INTERMEDIATE JOISTS. JOINTS OFFSET 24" FROM BASE LAYER JOINTS. WOOD JOISTS SUPPORTING 1/2" PLYWOOD WITH EXTERIOR GLUE AT RIGHT ANGLES TO JOISTS WITH 8D NAILS. APPROPRIATE ROOF COVERING.

APPROX. WEIGHT: 5 PSF
FIRE TEST: FM FC 172, 2-25-72; ITS, 8-6-98

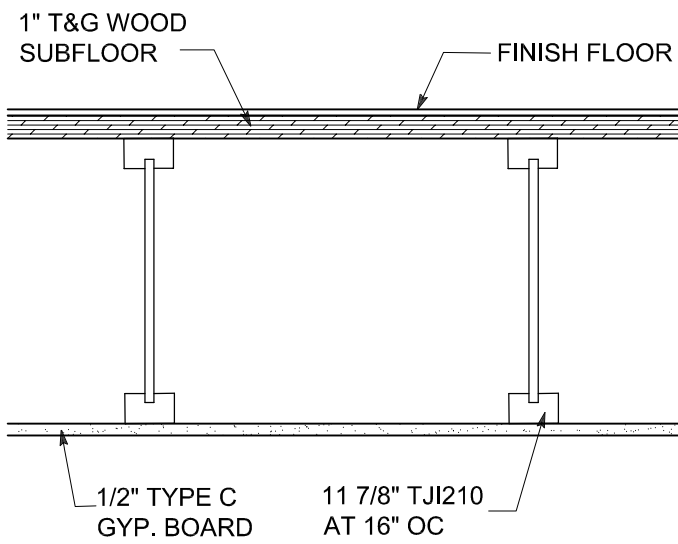
1 HR FLOOR / CEILING 9

Scale: 1 1/2" = 1'-0"



RADON DETAIL 4

Scale: 1 1/2" = 1'-0"



GA FILE NO. RC 2601

GENERIC
1 HOUR FIRE
U.N. STC SOUND

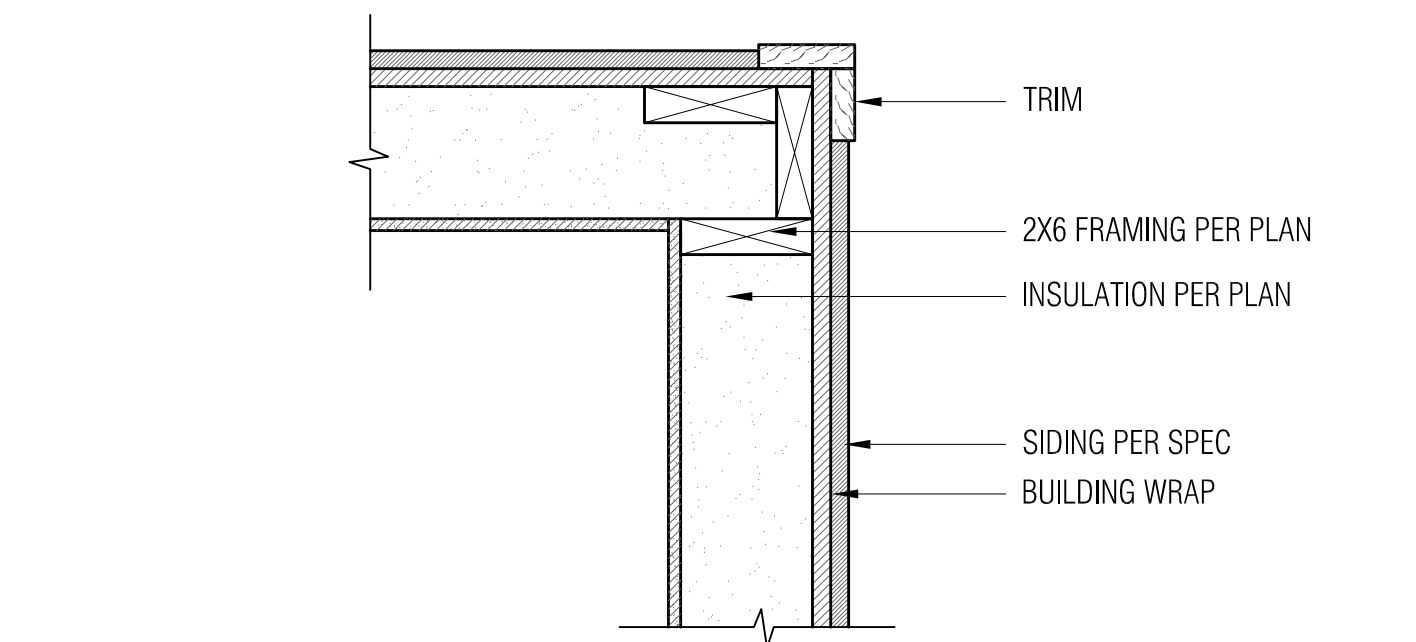
GYPSUM WALLBOARD,
WOOD JOISTS

1/2" TOUGHROCK FIREGUARD C OR 1/2" DENSARMOR PLUS FIREGUARD C GYPSUM PANELS APPLIED PERPENDICULAR TO T&G WOOD JOISTS 16" OC WITH 6D NAILS 1-5/8" LONG, 0.099" SHANK, 1/4" HEADS, 6" OC WOOD JOISTS SUPPORTING 1" NOMINAL T&G WOOD SUB AND 1" NOMINAL FINISH FLOOR, OR 19/32" PLYWOOD FINISHED FLOOR WITH LONG EDGES T&G AND 15/32" INTERIOR PLYWOOD WITH EXTERIOR GLUE SUBFLOOR PERPENDICULAR TO JOISTS WITH JOINTS STAGGERED. NAILS PLACED 3/4" FROM BOARD END JOINTS AND 1/2" FROM BOARD EDGE JOINTS.

APPROX. WEIGHT: 5 PSF
FIRE TEST: UL L503, ULC M502, cUL L503, GA, FC 5410

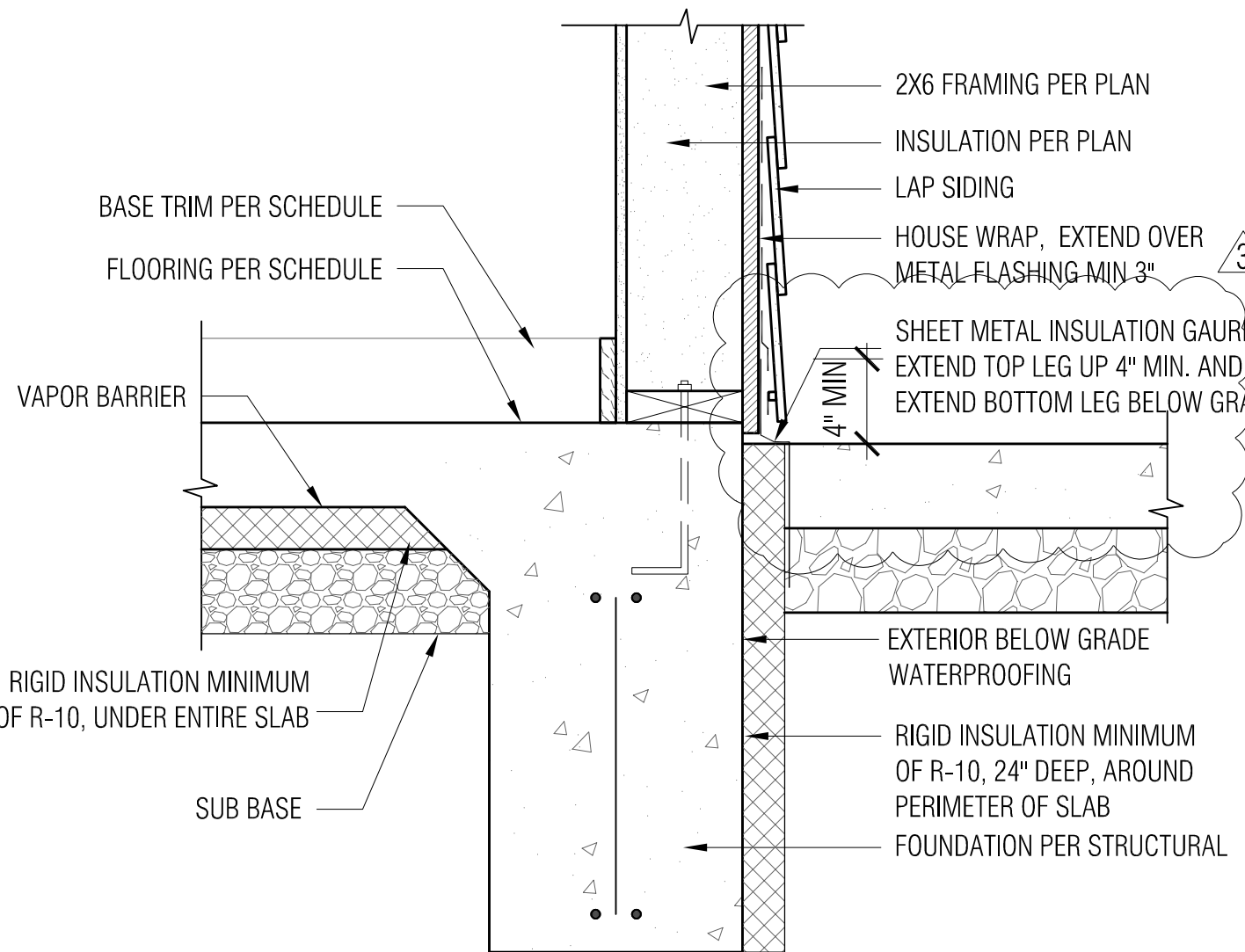
1 HR FLOOR / CEILING 8

Scale: 1 1/2" = 1'-0"



TYP. CORNER 5

Scale: 1 1/2" = 1'-0"



TERMINATION AT PORCH 3

Scale: 1 1/2" = 1'-0"



PAINTING KEY

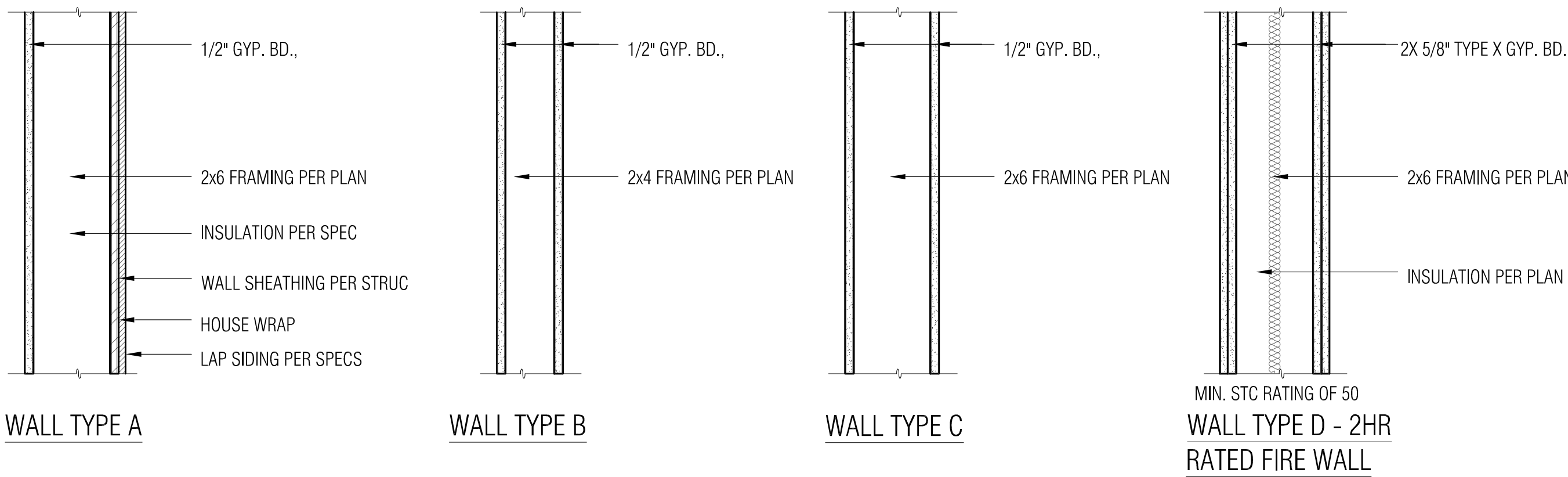
- COLOR #1- BASE COLOR- TBD
- COLOR #2- ACCENT COLOR- TBD
- COLOR #3- DOOR COLOR- TBD
- COLOR #4- GABLE COLOR- TBD

PAINTING NOTES

- FOUR COLOR SCHEMES TO BE SELECTED FOR ENTIRE PROJECT
- SEE A002 FOR SPECIFICATIONS

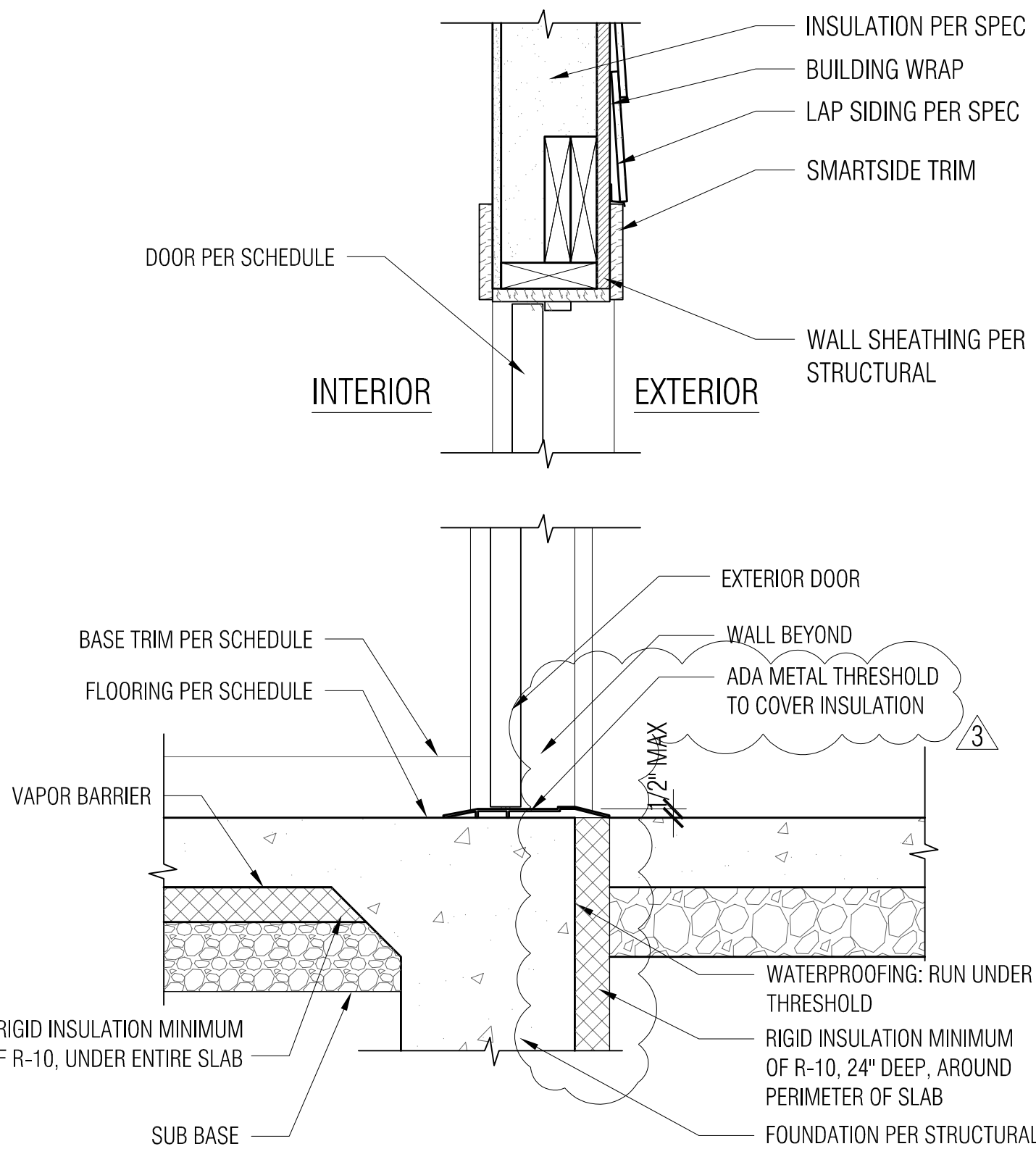
PAINTING DIAGRAM 7

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



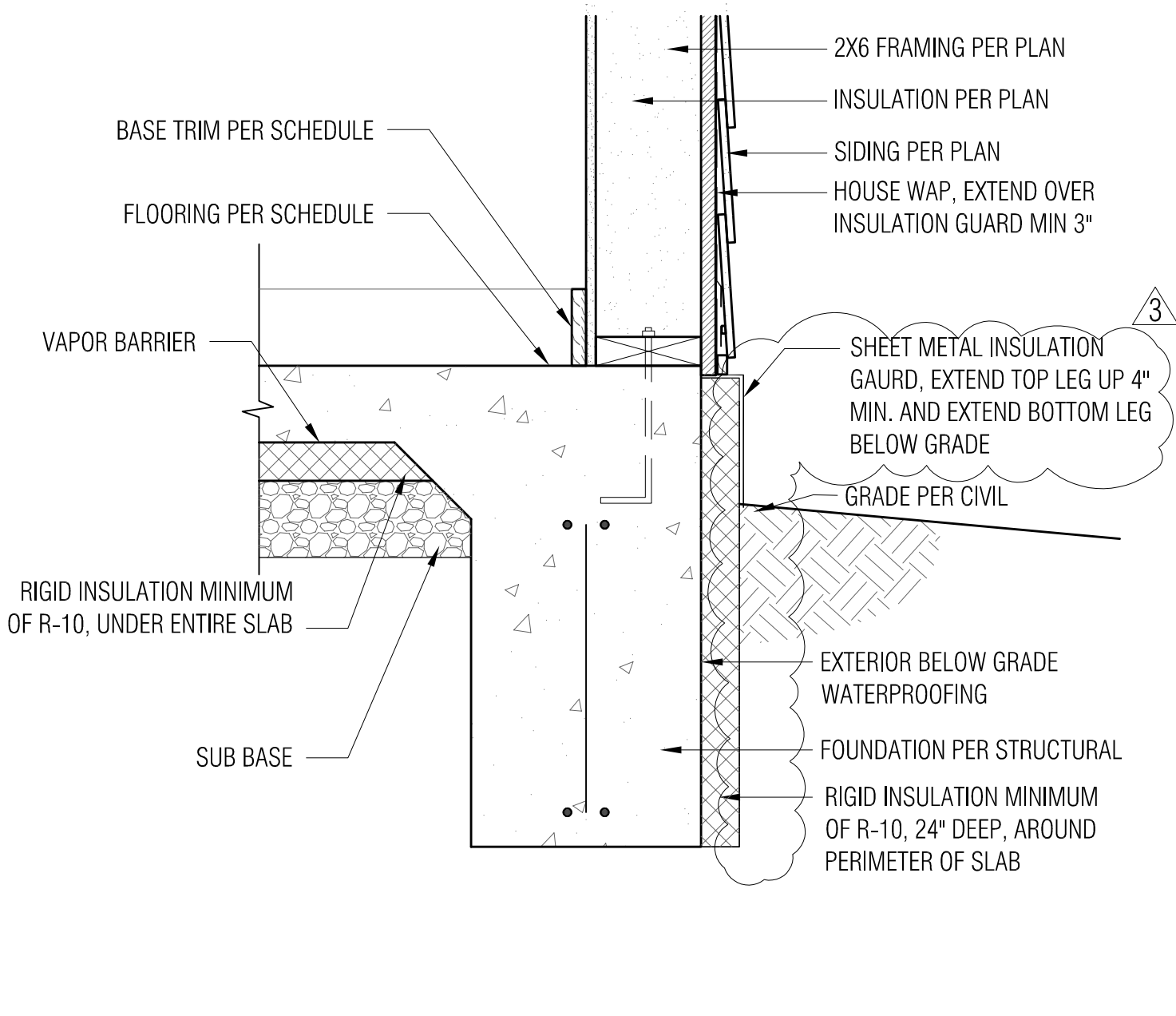
WALL TYPES 6

Scale: 1 1/2" = 1'-0"



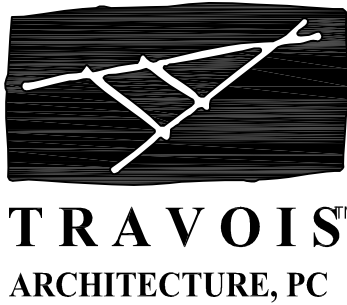
TYP. ENTRY 2

Scale: 1 1/2" = 1'-0"



TERMINATION AT FOUNDATION 1

Scale: 1 1/2" = 1'-0"



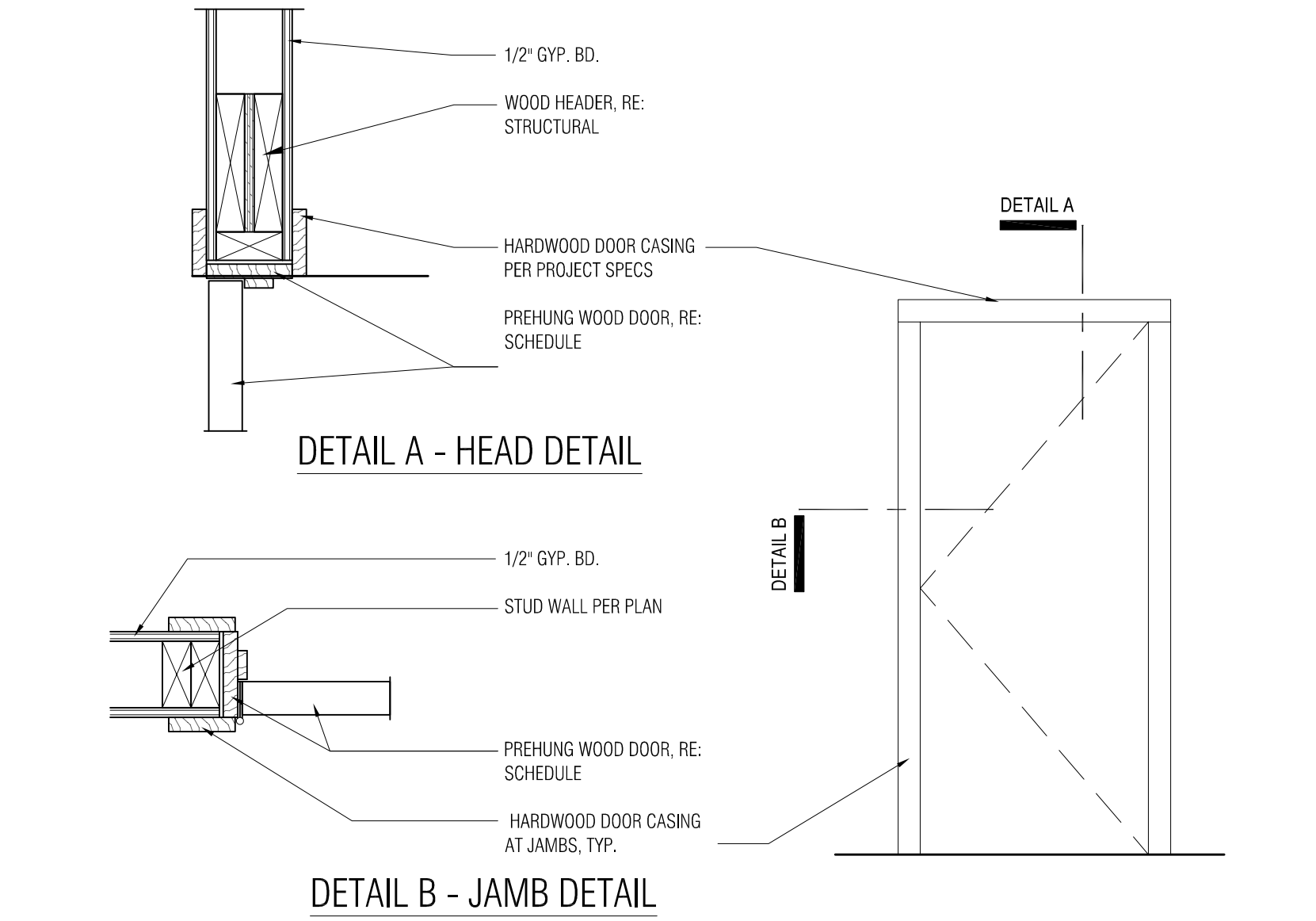
SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

TRAVOIS DESIGN
310 W. 19TH TERRACE
KANSAS CITY, MO 64108
P 816.994.8970
F 816.994.8974

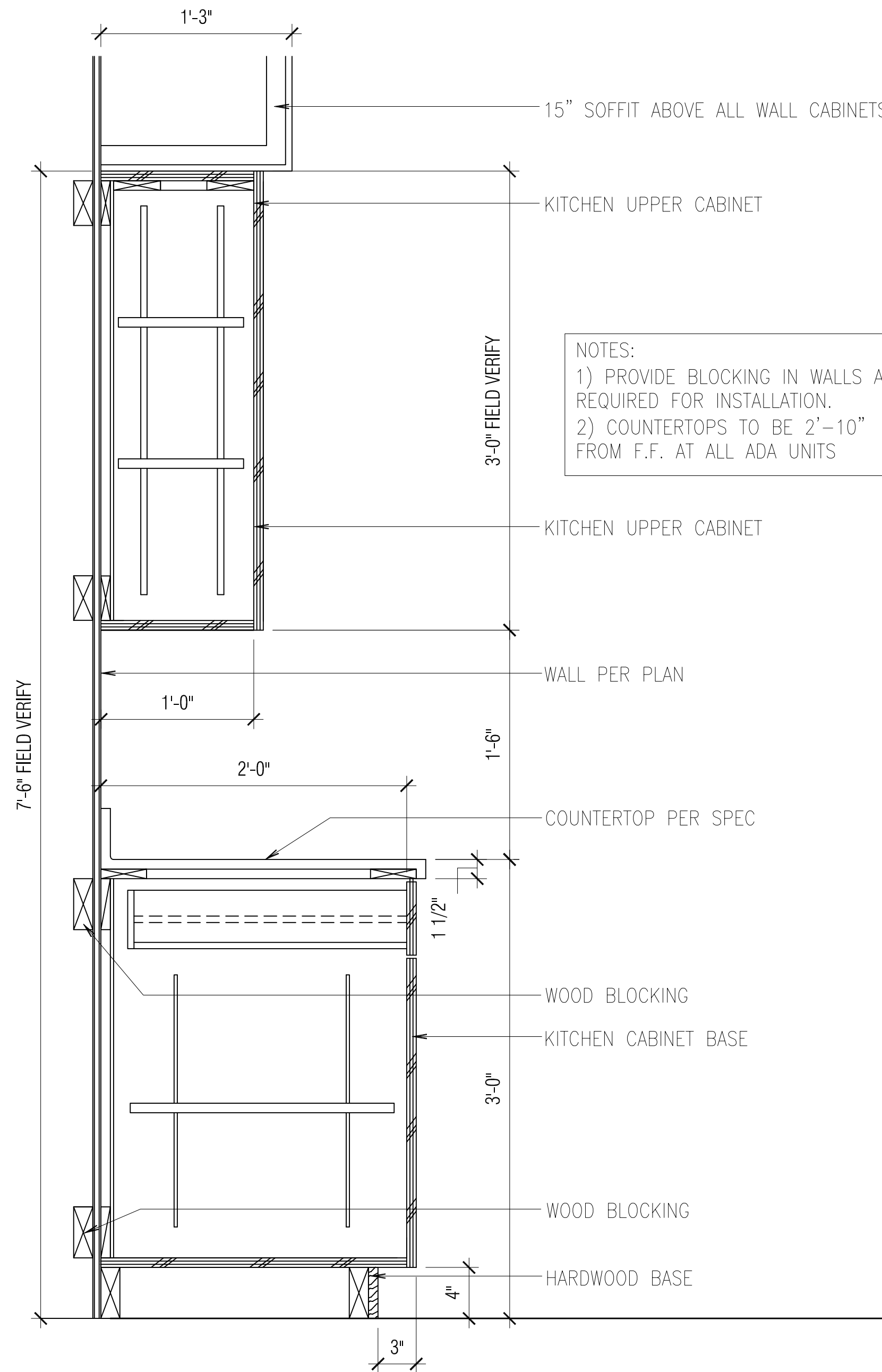
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|--------------|-----------|
| 100% BID SET | 9/21/2021 |
| ADDENDUM 1 | 5/09/2022 |
| ADDENDUM 3 | 5/23/2022 |

SHEET
A402

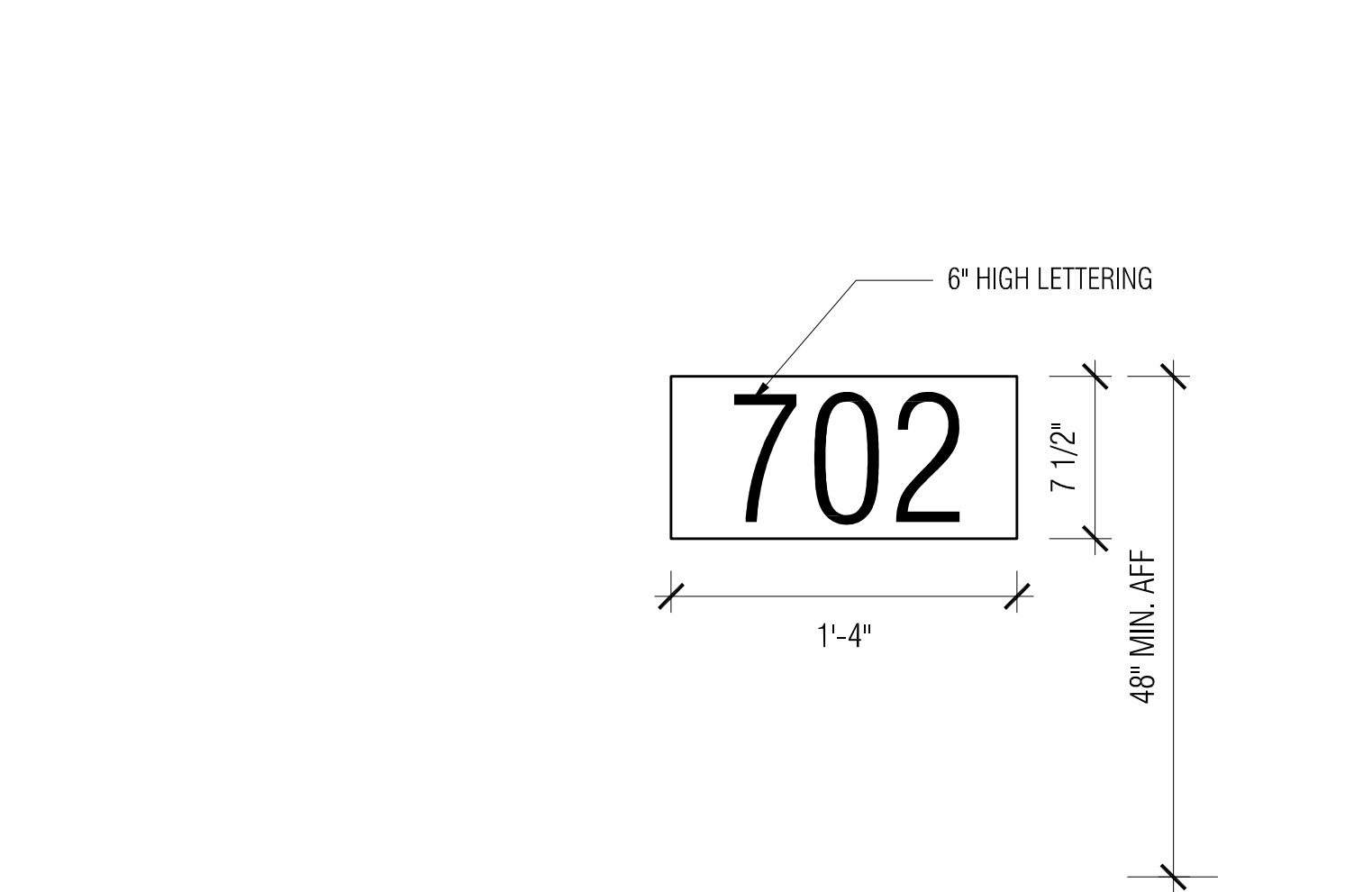
DETAILS



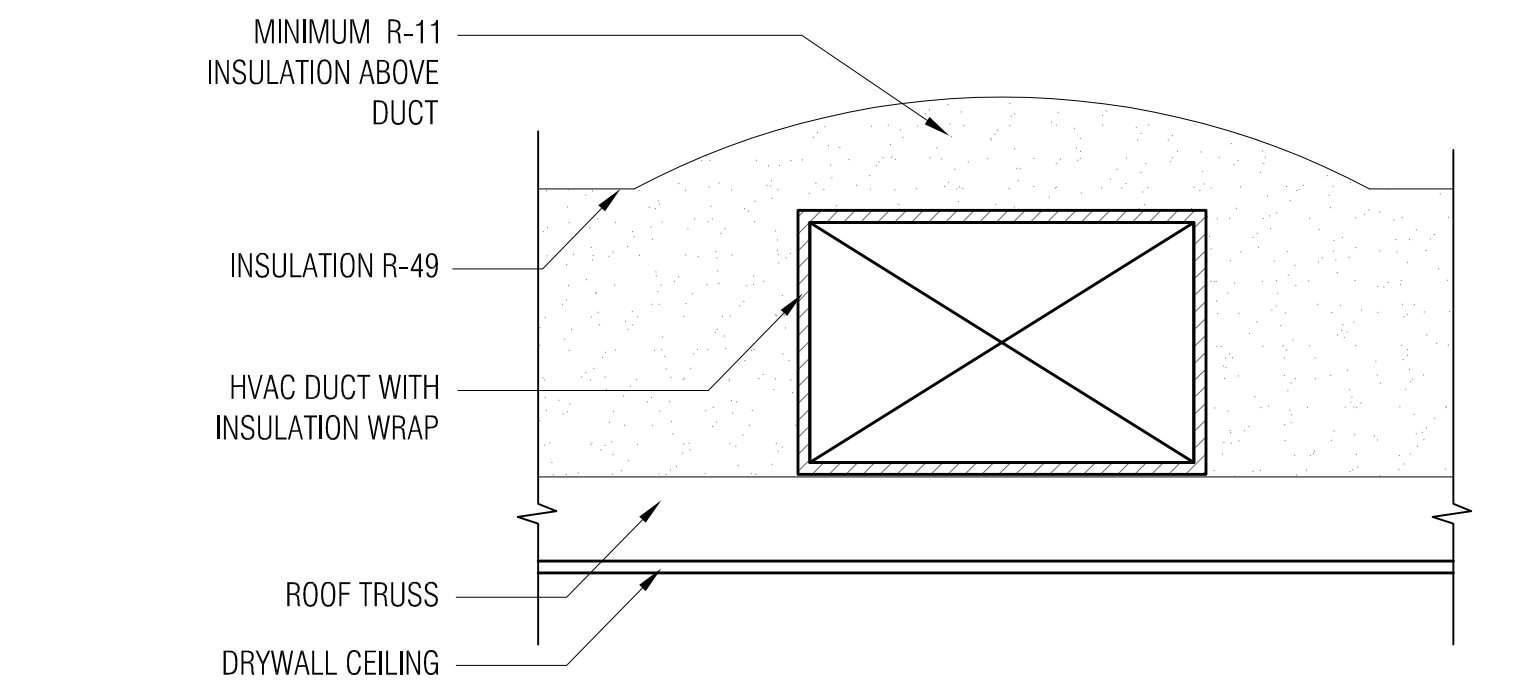
INTERIOR DOOR HEAD & JAMB DETAILS 8



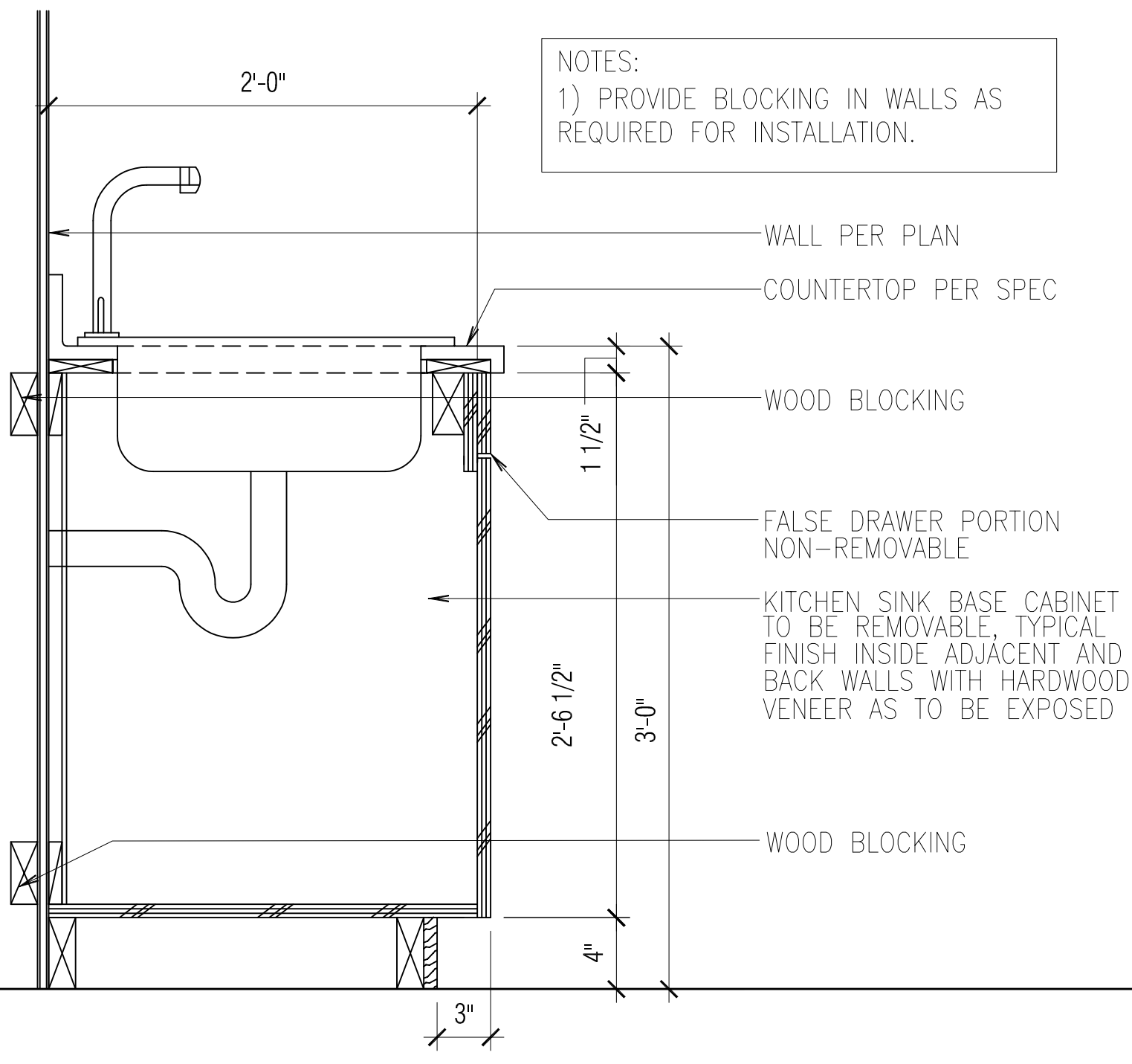
Typical Kitchen Cabinet Detail 3



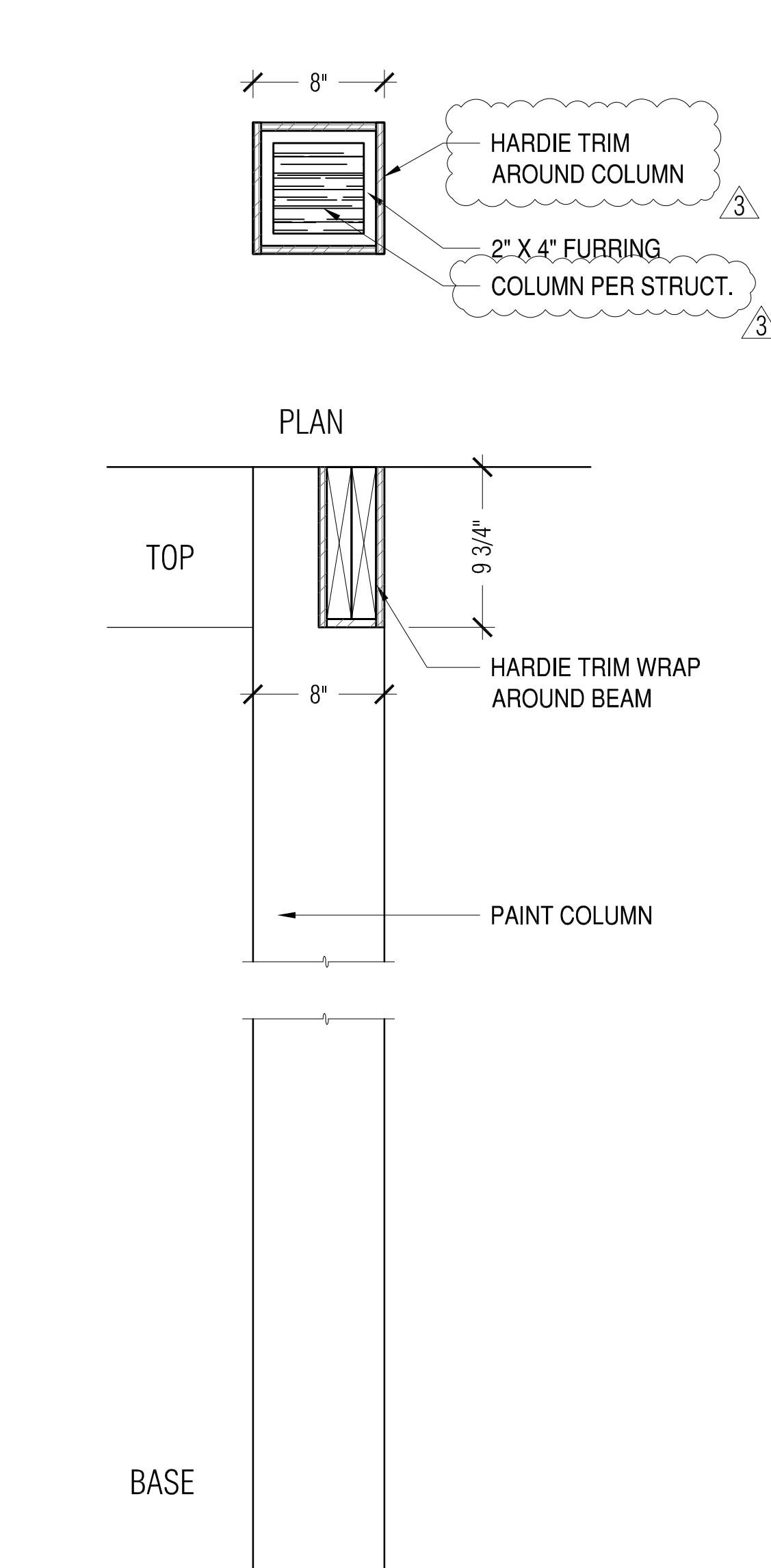
UNIT ADDRESS DETAIL 7



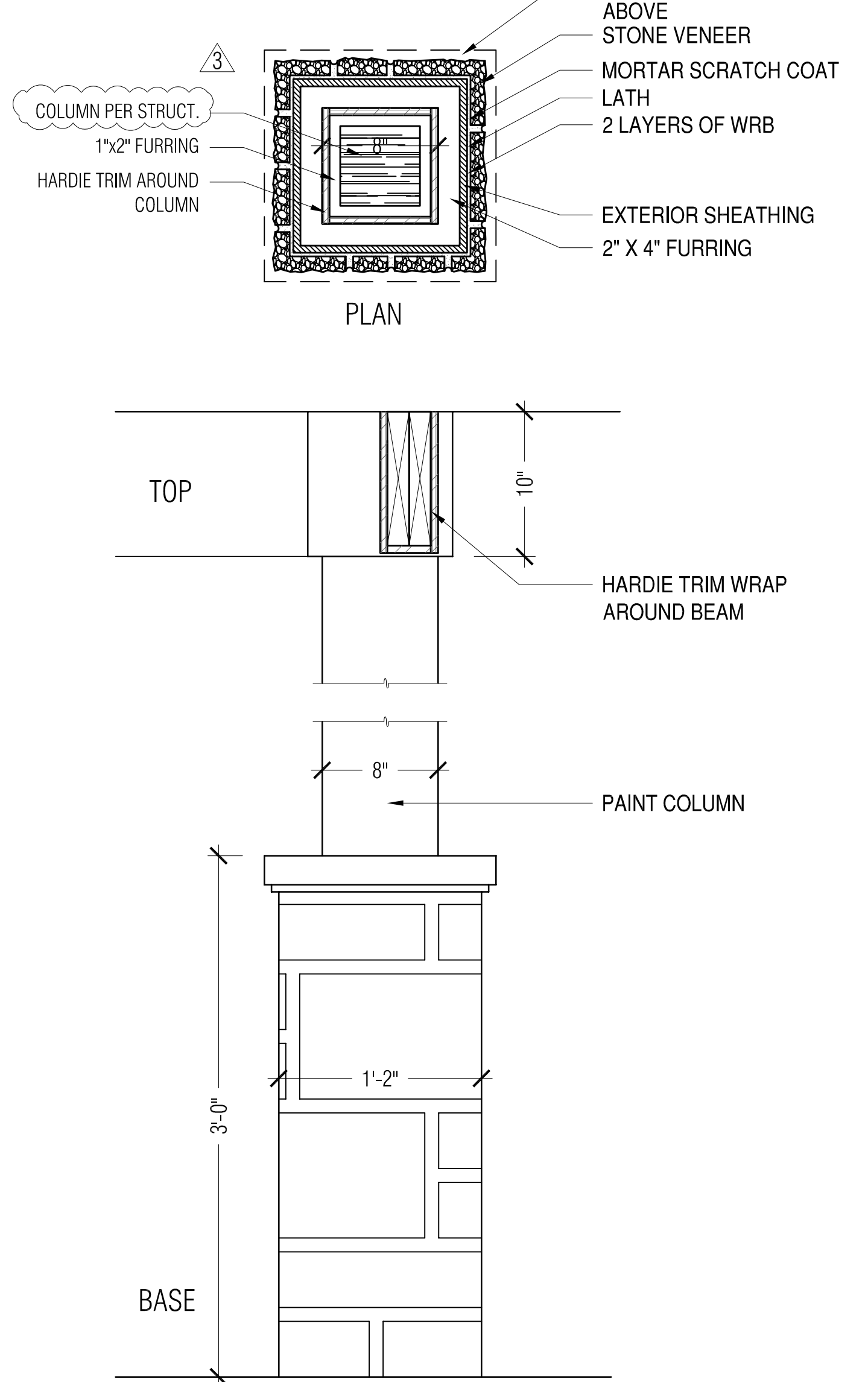
DUCT INSULATION DETAIL 6



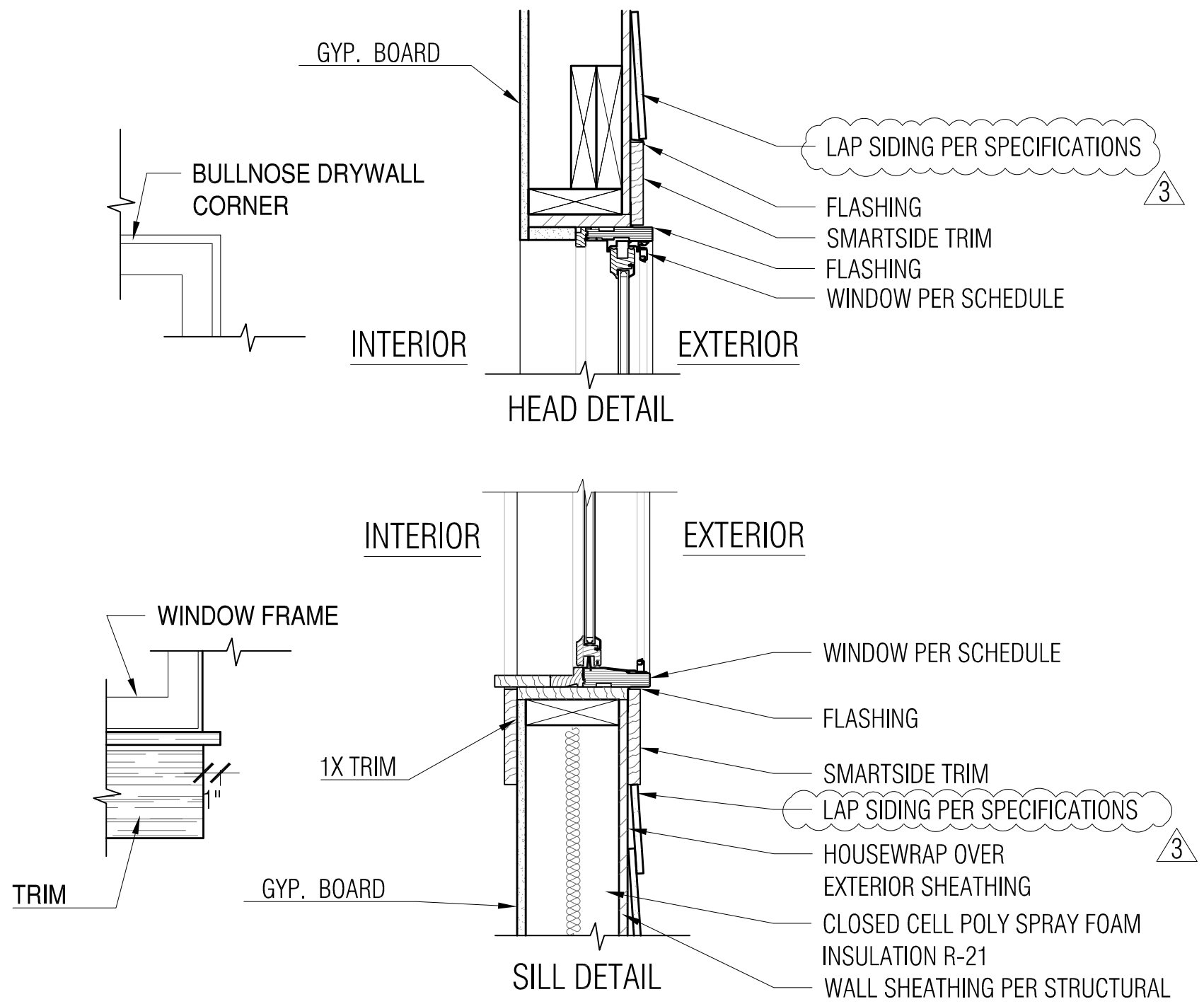
Typical Kitchen Sink Cabinet Detail 2



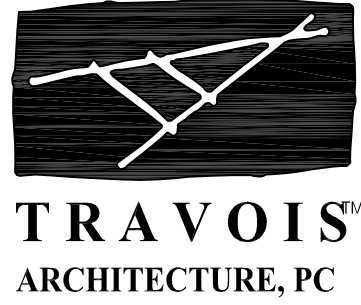
COLUMN DETAIL 5



COLUMN DETAIL 4



WINDOW HEAD & JAMB DETAIL 1



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| ADDENDUM 1 | 5/09/2022 |
| ADDENDUM 3 | 5/23/2022 |

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A403

DETAILS

[illegible]

| door schedule | | | | | | | |
|---------------|---------------|--------------------|------|------------|-------|---------------------------|--------------------------------------|
| DOOR | SIZE (w x h) | MFR. | CORE | MAT'L | FRAME | HDWR. GROUP | NOTES |
| 100 | 3'-0" x 6'-8" | SEE SPECIFICATIONS | SC | FIBERGLASS | WOOD | DBL. BORED KEY LOCK | EXTERIOR DOOR, ENERGY STAR RATED |
| 101 | 6'-0" x 6'-8" | SEE SPECIFICATIONS | SC | FIBERGLASS | WOOD | DBL. BORED TRIPE DEADBOLT | EXTERIOR DBL DOOR, ENERGY STAR RATED |
| 102 | 3'-0" x 6'-8" | SEE SPECIFICATIONS | SC | FIBERGLASS | WOOD | DBL. BORED KEY LOCK | EXTERIOR DOOR, ENERGY STAR RATED |
| 103 | 3'-0" x 6'-8" | SEE SPECIFICATIONS | SC | FIBERGLASS | WOOD | DBL. BORED KEY LOCK | EXTERIOR DOOR, ENERGY STAR RATED |
| 200 | 3'-0" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | TYP. INTERIOR DOOR |
| 201 | 3'-0" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | TYP. INTERIOR POCKET DOOR |
| 202 | 2'-8" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | INTERIOR CLOSET DOOR |
| 203 | 2'-6" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | TYP. INTERIOR STORAGE DOOR |
| 204 | 4'-0" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | TYP. INTERIOR CLOSET DOOR |
| 205 | 4'-8" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | TYP. INTERIOR CLOSET DOOR |
| 206 | 5'-0" x 6'-8" | SEE SPECIFICATIONS | HC | WOOD | WOOD | - | TYP. INTERIOR CLOSET DOOR |
| | | | | | | | |
| | | | | | | | |

1. ALL DOOR AND R.O. DIMENSIONS TO BE VERIFIED IN FIELD AND PER DOOR MFR.
2. REFERENCE FLOOR PLANS FOR DOOR OPERATION
3. ALL GLAZING SHALL BE INSTALLED WITH A CERTIFYING LABEL ATTACHED SHOWING THE U LABEL
4. ALL GLAZING SHALL BE SPECTRALLY SELECTIVE LOW-E COATED.
5. ALL GLAZING SHALL MEET THE MINIMUM U VALUE <E OR EQUAL TO .55
6. VENTILATION AND EGRESS OPENINGS SHALL MEET MINIMUM REQUIREMENTS AS STATED IN REFERENCED BUILDING CODES.
7. ALL EXTERIOR DOORS TO BE ENERGY STAR RATED
8. ALL INTERIOR DOORS TO USE LEVER STYLE HARDWARE, TYP.
9. ALL INTERIOR DOORS TO BE 3 PANELLED
10. ALL DOORS TO HAVE STOP'S PER SPECIFICATIONS

door types

Diagram illustrating various door types and their dimensions (width and height):

- Door 100: 3'-0" wide, 6'-6" high
- Door 101: 6'-0" wide, 6'-6" high
- Door 102: 3'-0" wide, 6'-6" high
- Door 103: 3'-0" wide, 6'-6" high
- Door 200: 3'-0" wide, 6'-6" high
- Door 201: 3'-0" wide, 6'-6" high
- Door 202: 2'-8" wide, 6'-6" high
- Door 203: 2'-6" wide, 6'-6" high
- Door 204: 4'-0" wide, 6'-6" high
- Door 205: 4'-8" wide, 6'-6" high (NOT USED)
- Door 206: 5'-0" wide, 6'-6" high

Triangle 3 is located below doors 103, 203, and 205.

| finish legend | | | | |
|---------------|---------------------|------------------|--|-----------------------------------|
| ABBREVIATION | ITEM NAME | MFR. | NAME/COLOR | NOTES |
| LVP-1 | TYPICAL FLOORING | - | PER A002 | |
| B-1 | BASE | - | PER A002 | |
| P-1 | CEILING PAINT | SHERWIN WILLIAMS | EGG SHELL, COLOR TBD | LATEX, 1 COAT PRIMER, 1 FIN. COAT |
| P-2 | CEILING PAINT | SHERWIN WILLIAMS | EGG SHELL, COLOR TBD | LATEX, 1 COAT PRIMER, 1 FIN. COAT |
| P-3 | WALL PAINT | SHERWIN WILLIAMS | EGG SHELL, COLOR TBD | LATEX, 1 COAT PRIMER, 1 FIN. COAT |
| P-4 | WALL PAINT | SHERWIN WILLIAMS | TBD BY OWNER | LATEX, 1 COAT PRIMER, 1 FIN. COAT |
| PL-1 | COUNTERTOP | WILSONART | PER ELEVATIONS, VENTED SOFFIT WHERE REQUIRED | |
| LP-1 | SIDING/SOFFIT BOARD | JAMES HARDIE | | |
| C-1 | C.I.P. CONCRETE | | BROOM FINISH | |
| | | | | |
| | | | | |
| | | | | |

| window schedule | | | | | | | | |
|-----------------|------|----------------|------|---------------------------------|--------|-------|----------|-------------|
| WDW | TYPE | SIZE (w x h) | MFR. | SERIES | GLAZ. | FRAME | NOTES | SILL HEIGHT |
| A | A | 6'-8" x 5'-0" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | CASEMENT | 1'-10" |
| B | B | 6'-8" x 5'-0" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | CASEMENT | 1'-10" |
| C | C | 3'-4" x 5'-0" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | CASEMENT | 1'-10" |
| D | D | 6'-8" x 3'-8" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | CASEMENT | 3'-2" |
| E | E | 6'-8" x 2'-0" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | FIXED | 5'-2" |
| F | F | 3'-4" x 5'-10" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | CASEMENT | 4'-0" |
| G | G | 6'-8" x 2'-10" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | FIXED | 4'-0" |
| H | H | 6'-8" x 4'-2" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | FIXED | 2'-7" |
| I | I | 2'-6" x 6'-10" | TBD | SEE PROJECT MANUAL, ENERGY STAR | DOUBLE | VINYL | CASEMENT | - |

1. ALL WINDOW DIMENSIONS GIVEN ARE GENERAL AND CONTRACTOR SHALL VERIFY ALL WINDOW OPENING DIMENSIONS, COORDINATE.
2. REFERENCE BUILDING ELEVATIONS, FOR LOCATION AND DIRECTION OF OPERABLE UNITS. (ALL OPERABLE WINDOWS TO HAVE SCREENS TO MATCH FRAME)
3. DIMENSIONS GIVEN ARE TO INTERIOR OF ROUGH OPENING. MANUFACTURER TO PROVIDE WINDOW UNITS TO FIT SUCH OPENINGS.
4. REFERENCE WINDOW DETAILS AND PROVIDING FOR SHIM SPACE AS REQUIRED. CONTRACTOR TO COORDINATE FIELD DIMENSIONS WITH WINDOW MANUFACTURER.
5. ALL GLAZING TO BE INSTALLED WITH A CERTIFYING LABEL ATTACHED.
6. ALL GLAZING SHALL BE ENERGY SAVER.
7. WINDOWS WITHIN BEDROOMS SHALL MEET EMERGENCY ESCAPE AND RESCUE REQUIREMENTS PER IBC AND IRC.
8. VENTILATION SHALL COMPLY WITH IBC AND IRC AS REQUIRED.
9. SAFETY GLAZING SHALL BE REQUIRED IN THE FOLLOWING LOCATIONS:
 - ALL GLAZING WHOSE EXPOSED EDGE IS LESS THAN 60" ABOVE THE WALKING SURFACE IN A BATHTUB OR SHOWER SHALL BE TEMPERED PER IBC SECTION 2406.3.5.
 - ALL GLAZING WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF A DOOR SHALL BE TEMPERED PER IBC SECTION 2406.3.6.
 - ALL GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE; WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60" ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE PER IBC SECTION 2406.3.10.
 - ALL GLAZING ADJACENT TO STAIRWAYS WITHIN 60" HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60" ABOVE THE NOSE OF THE TREAD PER IBC SECTION 2406.3.11.
10. WINDOWS SHALL MEET THE MINIMUM U VALUE < OR EQUAL TO .28
11. WINDOW ASSEMBLIES SHALL MEET THE MINIMUM SHGC RATING < OR EQUAL TO .27 FOR ALL CASEMENT WINDOWS, AND SHGC RATING < OR EQUAL TO .27 .37 FOR ALL FIXED WINDOWS.
12. PROVIDE SCREENS FOR ALL OPERABLE WINDOWS
13. PROVIDE VINYL MINI BLINDS FOR ALL WINDOWS (PER SPECS)
14. ALL WINDOW FRAMES TO BE BLACK OR GREY.

Window flashing detail

STEP 1 WALL W/ WINDOW OPENING

STEP 2 ROUGH OPENING BEYOND DASHED LINE

STEP 3 FOLD HEAD FLANGE UP - TEMPORARILY SECURE IN FOLDED POSITION
FOLD JAMB FLANGE IN - FOLD AS REQUIRED

STEP 4 INSTALL SILL FLANGE - TYPICALLY 1/2" TO 1" - FULL WIDTH

STEP 5 INSTALL ONE PIECE SILL FLASHING SUCH AS "FLOVER"
JAMB W/ 1" FOLD SILL FLANGE - CONTRIBUTE SEALANT OVER SILL GAW

STEP 6 PROVIDE CONTRASTING SEAL OF SEALANT AT JAMB (IF WINDOW JAMB AND HEAD JAMB ARE NOT APPLICABLE SEALANT AT SILL)

STEP 7 INSTALL WINDOW - SECURE FLASHING LOCUS AND SQUARE - DO NOT APPLIC HEAD

STEP 8 INSTALL JAMB FLASHING (SILL SIDES)

STEP 9 INSTALL FLASHING - 1" LAP OVER JAMB FLASHING

STEP 10 FOLD HEAD/JAMB HEAD FLAP DOWN AND SECURE

STEP 11 1/4" LATER (BOTH SIDES)

STEP 12 PROVIDE MINIMAL EXPANDING FOAM AT PERIMETER OF WINDOW (3 SIDES)

STEP 13 INTERIOR OF EXTERIOR WALL

STEP 14 (FUTURE VIEW)

Window types

Diagram illustrating various window types (A through J) and their dimensions. The dimensions are given in feet and inches.

Types A through F are shown with dimensions:

- A: 6'-8" wide, 5'-0" high, 1'-10" deep.
- B: 6'-8" wide, 5'-0" high, 1'-10" deep.
- C: 3'-4" wide, 5'-0" high, 1'-10" deep.
- D: 6'-8" wide, 3'-8" high, 3'-2" deep.
- E: 6'-8" wide, 2'-0" high, 4'-10" deep. (Marked "NOT USED")
- F: 3'-4" wide, 2'-10" high, 4'-0" deep.

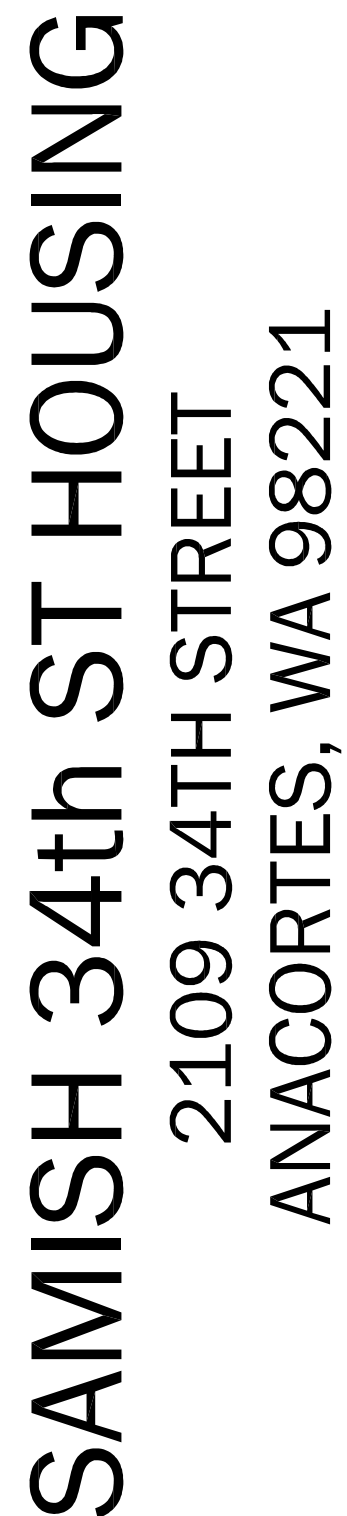
Types G through I are shown with dimensions:

- G: 6'-8" wide, 2'-10" high, 3'-11" deep.
- H: 6'-8" wide, 4'-2" high, 2'-7" deep.
- I: 3'-4" wide, 4'-2" high, 2'-7" deep.

Types J and E are shown with dimensions and marked "NOT USED":

- J: 6'-8" wide, 5'-0" high, 1'-10" deep. (Marked "NOT USED")
- E: 6'-8" wide, 2'-0" high, 4'-10" deep. (Marked "NOT USED")

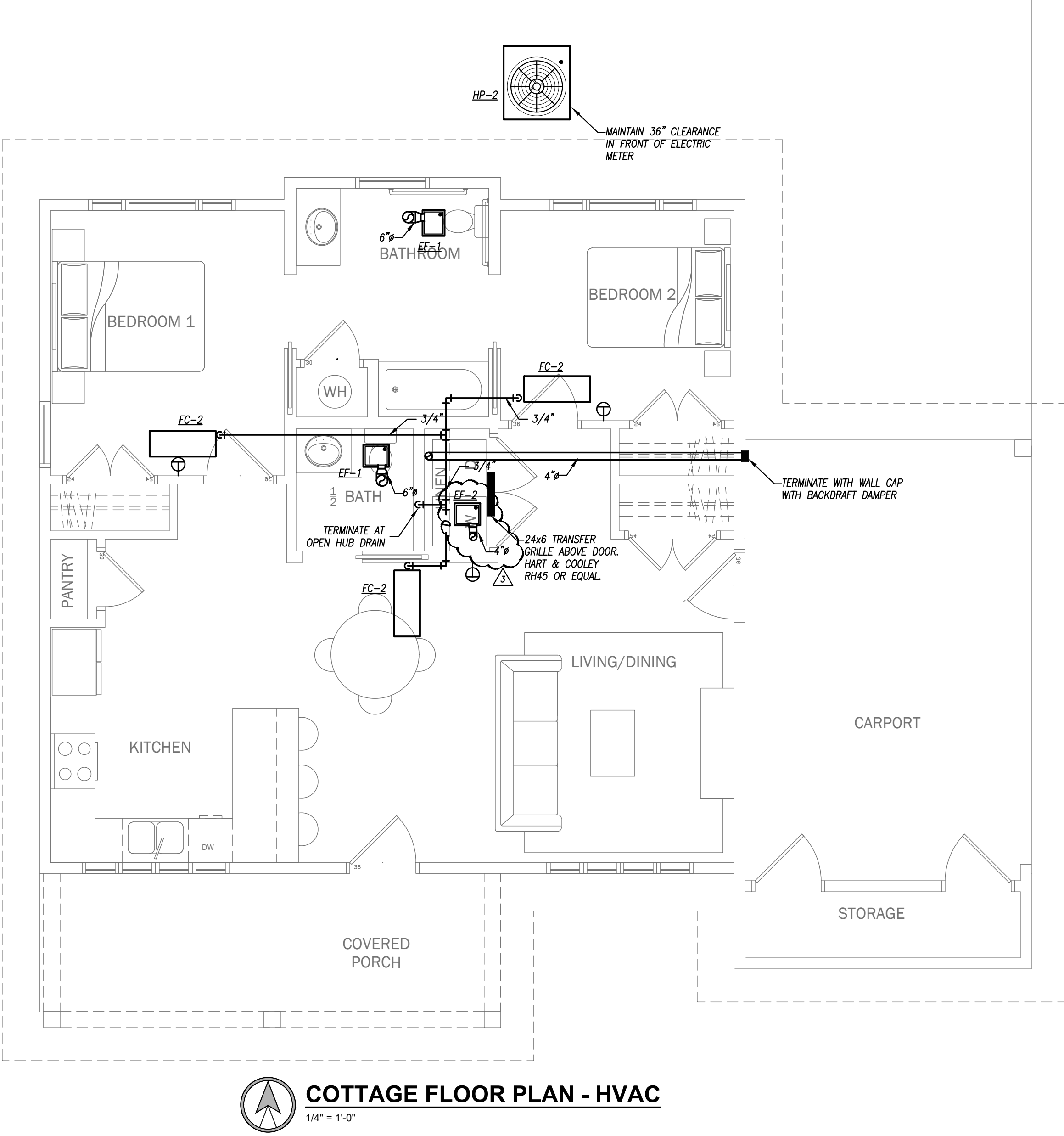
A triangle with the number 3 is shown next to types E and J.



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A404

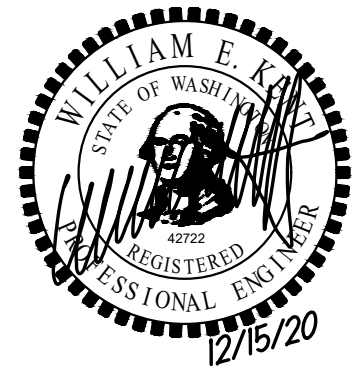
SCHEDULES



 **COTTAGE FLOOR PLAN - HVAC**
1/4" = 1'-0"

SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

TRAVOIS DESIGN
310 W. 19TH TERRACE
KANSAS CITY, MO 64108
P 816.994.8970
F 816.994.8974

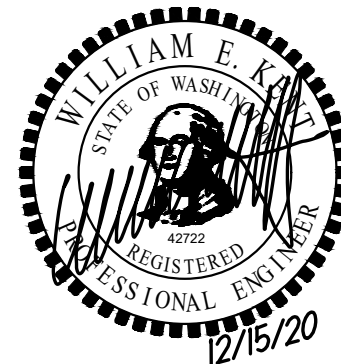


| REVISION | DATE |
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| 100% BID SET | 9/21/2021 |
| ADDENDUM #3 | 5/23/2022 |

SHEET
M-101
COTTAGE HVAC
PLANS

SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

TRAVOIS DESIGN
310 W. 19TH TERRACE
KANSAS CITY, MO 64108
P 816.994.8970
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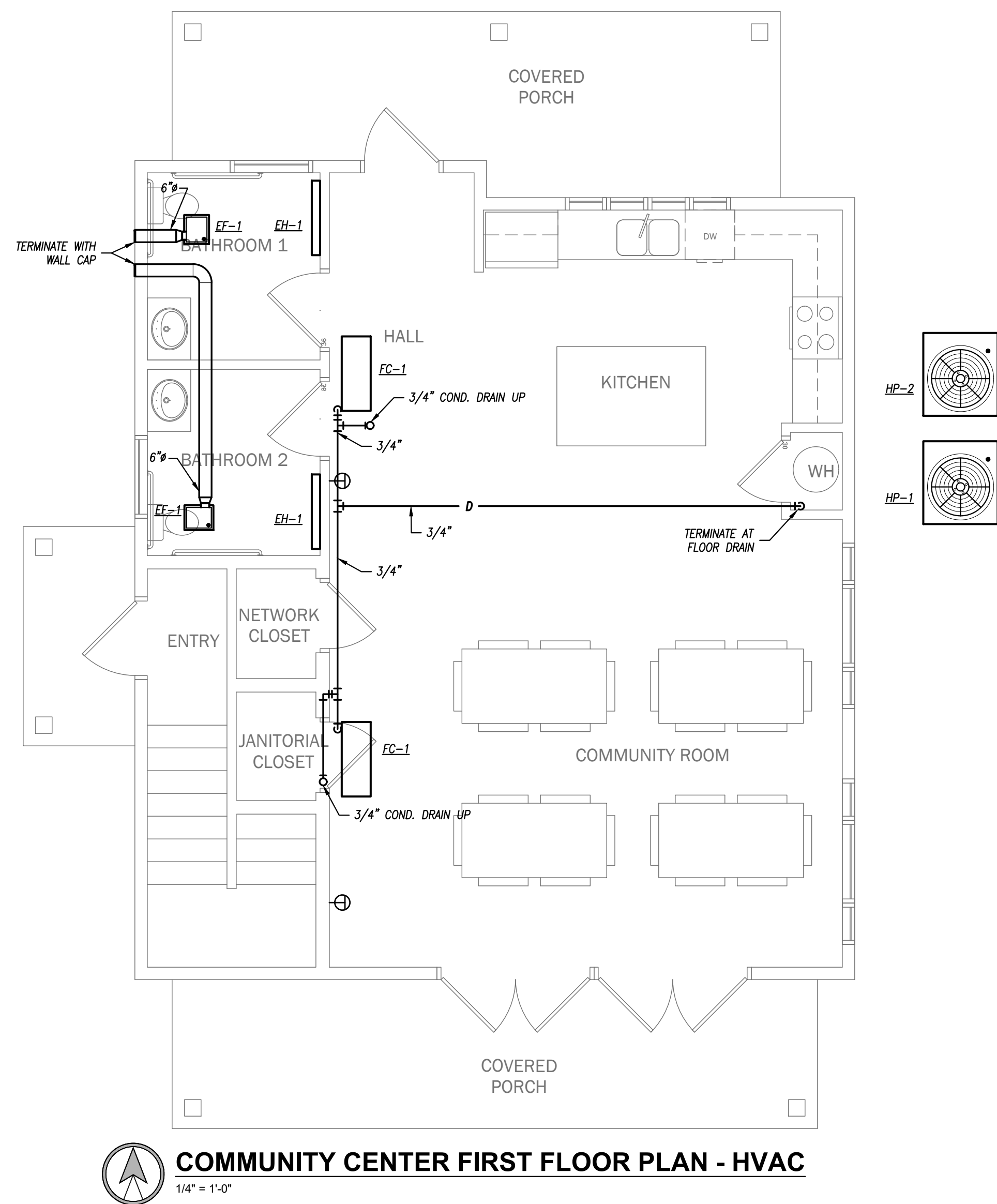
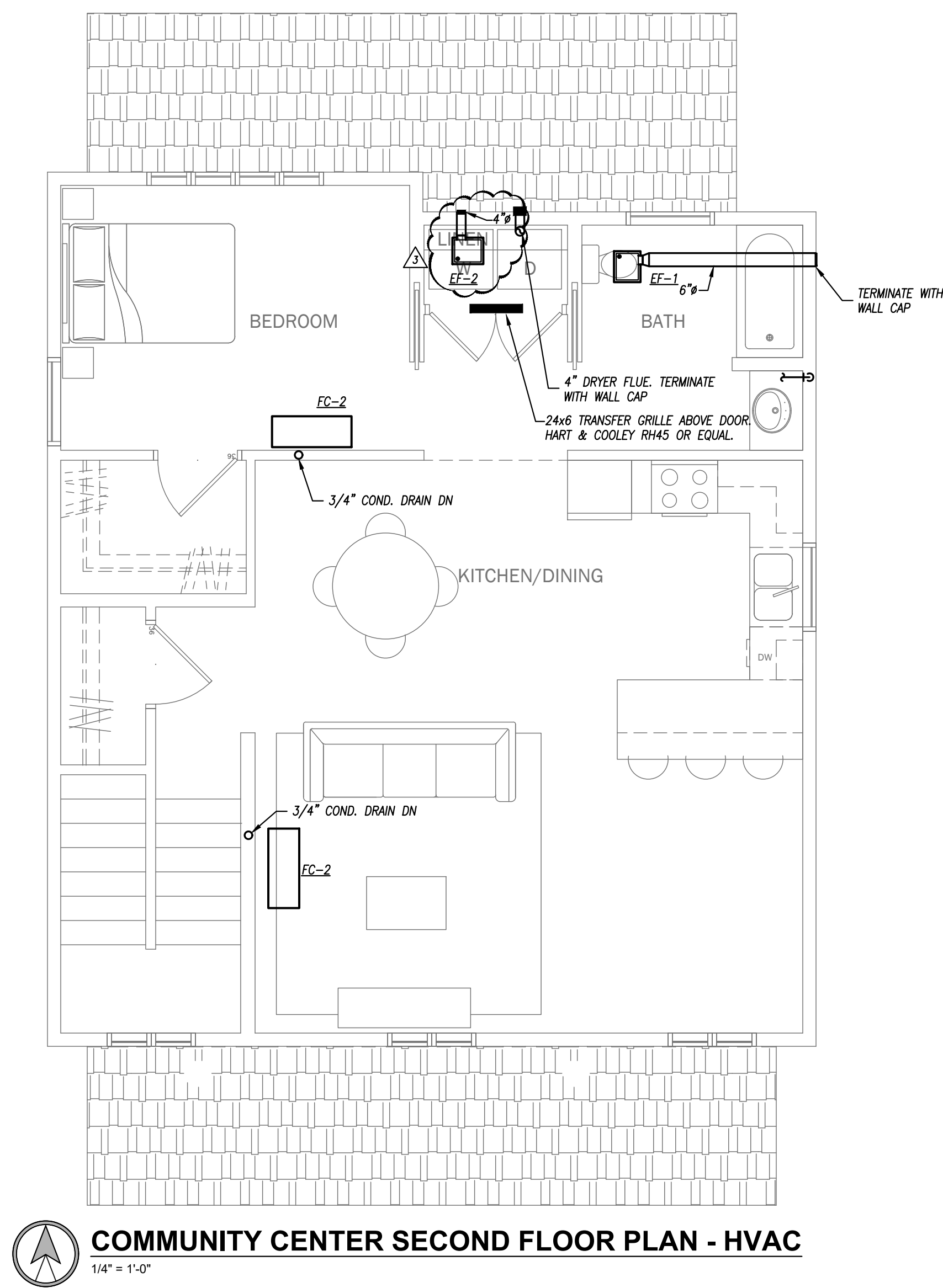


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SHEET

M-102

COMMUNITY CENTER
HVAC PLANS



HEAT PUMP UNIT SCHEDULE

| PLAN MARK | MANUFACTURER | MODEL NUMBER | COOLING CAPACITY (MBH) | HEATING CAPACITY (MBH) | MINIMUM SEER | AMBIENT TEMP. (°F) | ELECTRICAL | | | REMARKS |
|-----------|--------------|--------------|------------------------|------------------------|--------------|--------------------|------------|--------|----------|---------|
| | | | | | | | VOLTS / PH | M.C.A. | M.O.C.P. | |
| HP-1 | MITSUBISHI | MUS-D36NA | 33.2 | 35.2 | 14.5 | 105° | 240V / 1PH | 21.0 | 25 | 1,2 |
| HP-2 | MITSUBISHI | MSZ-GA24NA | 22.0 | 23.2 | 17.5 | 105° | 240V / 1PH | 17.0 | 20 | 1,2 |

REMARKS:

- HEAT PUMP SHALL OPERATE DOWN TO -13°F.
- PROVIDE WITH NEMA 3R DISCONNECT. FURNISH TO E/C FOR MOUNTING.

FAN COIL SCHEDULE

| PLAN MARK | MANUFACTURER | MODEL NUMBER | CFM | E.S.P. (IN. W.C.) | TOTAL COOLING CAPACITY (MBH) | TOTAL HEATING CAPACITY (MBH) | ELECTRICAL | | | REMARKS |
|-----------|--------------|--------------|-----|-------------------|------------------------------|------------------------------|------------|-----|------|---------|
| | | | | | | | VOLTAGE | MCA | MOCP | |
| FC-1 | MITSUBISHI | MLZ-KP18NA | 600 | 0.5 | 17.2 | 21.6 | 240V / 1PH | 1.0 | 15 | 1 |
| FC-2 | MITSUBISHI | MLZ-KP09NA | 300 | 0.5 | 9.0 | 10.9 | 240V / 1PH | 1.0 | 15 | 1 |

REMARKS:

- CAPACITIES AND AIRFLOWS ARE MANUFACTURER'S VALUES AT RATED CONDITIONS, NOT ACTUAL OPERATING CONDITIONS.
- PROVIDE WITH PAC-YT53CRAU-J THERMOSTAT WITH MAC-334IF-E CONTROLLER.

EXHAUST FAN SCHEDULE

| PLAN MARK | MANUFACTURER | MODEL NUMBER | TYPE | SERVICE | FAN DATA | | | | | ELECTRICAL | CONTROL | REMARKS |
|-----------|--------------|--------------|-----------------|----------|----------|-------------------|-----|--------|-------|------------|----------|---------|
| | | | | | CFM | E.S.P. (IN. W.C.) | HP | DRIVE | SONES | | | |
| EF-1 | BROAN | XB80 | CEILING CABINET | BATHROOM | 80 | 0.250 | 12W | DIRECT | 0.3 | 120V / 1PH | SWITCH | 1,2 |
| EF-2 | BROAN | XB50 | CEILING CABINET | LAUNDRY | 50 | 0.250 | 12W | DIRECT | 0.3 | 120V / 1PH | CONSTANT | 1 |

REMARKS:

- UNIT SHALL BE PROVIDED WITH SOLID STATE SPEED CONTROL.
- PROVIDE WITH HUMIDITY SENSOR FOR AUTOMATIC OPERATION.

DUCTWORK INSULATION SCHEDULE

| PURPOSE | DUTY | DUCT | | INSULATION | | | THICKNESS | NOTES |
|-------------|-----------------------|--------------------------|-------------|----------------------|-------------|--------|-----------|-------|
| | | LOCATION | STYLE | MATERIAL | APPLICATION | | | |
| SUPPLY | LOW PRESSURE/VELOCITY | CONCEALED | RECTANGULAR | FIBERGLASS | LINED | 1/2" | ---- | |
| | | CONCEALED | ROUND | MINERAL FIBER | WRAPPED | 1-1/2" | ---- | |
| | | EXPOSED | RECTANGULAR | FIBERGLASS | LINED | 1/2" | ---- | |
| | | EXPOSED | ROUND | FIBERGLASS | LINED | 1/2" | ---- | |
| RETURN | LOW PRESSURE/VELOCITY | UNCONDITIONED ATTICS | ALL | MINERAL FIBER | WRAPPED | 1-1/2" | ---- | 1 |
| | | CONCEALED | RECTANGULAR | FIBERGLASS | LINED | 1/2" | ---- | |
| | | CONCEALED | ROUND | MINERAL FIBER | WRAPPED | 1-1/2" | ---- | |
| | | EXPOSED | RECTANGULAR | FIBERGLASS | LINED | 1/2" | ---- | |
| EXHAUST | LOW PRESSURE/VELOCITY | EXPOSED | ROUND | FIBERGLASS | LINED | 1/2" | ---- | |
| | | RETURN/TRANSFER BOOT | RECTANGULAR | FIBERGLASS | LINED | 1/2" | ---- | |
| | | UNCONDITIONED ATTICS | ALL | MINERAL FIBER | WRAPPED | 1-1/2" | ---- | 1 |
| | | CONCEALED | RECTANGULAR | FIBERGLASS | LINED | 1/2" | ---- | |
| OUTSIDE AIR | ALL | CONCEALED OR MECH. SPACE | RECTANGULAR | MINERAL FIBER | WRAPPED | 1-1/2" | ---- | |
| | | CONCEALED OR MECH. SPACE | ROUND | MINERAL FIBER | WRAPPED | 1-1/2" | ---- | |
| | | EXPOSED (NON MECH SPACE) | RECTANGULAR | RIGID FIBERGLASS BD. | LINED | 1/2" | ---- | 3 |
| | | EXPOSED (NON MECH SPACE) | ROUND | RIGID FIBERGLASS BD. | LINED | 1/2" | ---- | 3 |

NOTES:

- IN ADDITION TO OTHER SCHEDULED INSULATION.
- PROVIDE LINER ONLY WITHIN 10' OF FAN FOR ACOUSTICS.
- THICKNESS SHALL ENCAPSULATE DUCT CONSTRUCTION.
- INSTALL FROM UNIT DISCHARGE TO FIRST DUCT ELBOW, THEN 10' FURTHER. NOT REQUIRED INSIDE CHASES OR MECHANICAL ROOMS, BUT SHALL BE INSTALLED ON REMAINING DUCTWORK WHEN 10' DIMENSION FALLS OUTSIDE ROOM.

GENERAL REMARKS (APPLICABLE TO ALL TYPES):

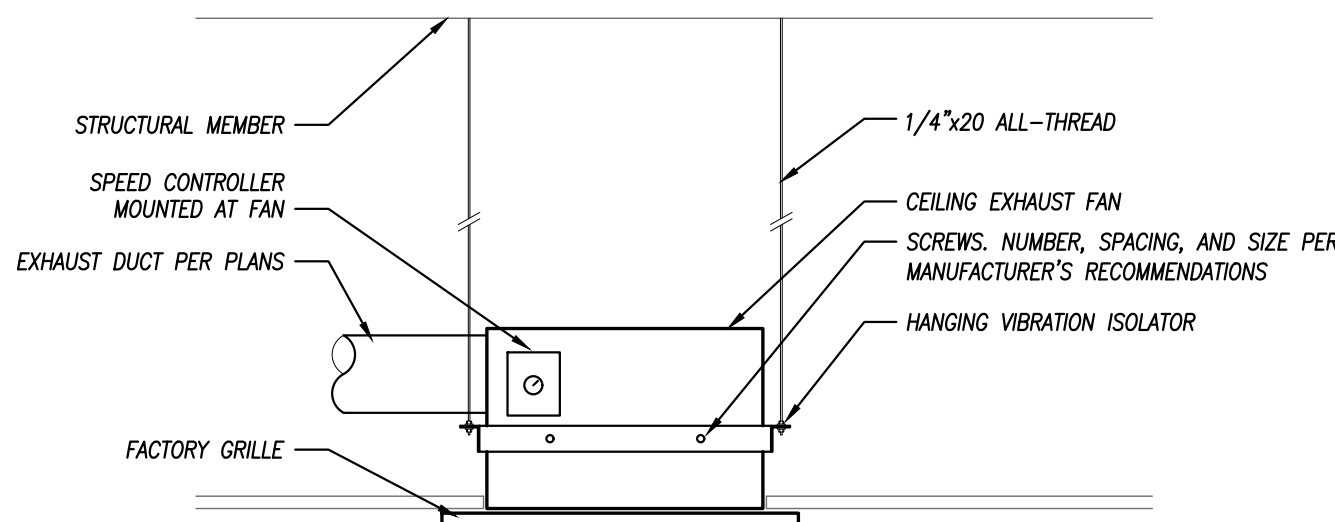
- ALL DUCTWORK, INSULATION AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.
- ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2010 REQUIREMENTS AT A MINIMUM.
- REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION FOR INSULATION PRODUCTS AND SYSTEMS.

ELECTRIC HEATER SCHEDULE

| PLAN MARK | MANUFACTURER | MODEL NUMBER | TYPE | CFM | KW | VOLTAGE | REMARKS |
|-----------|--------------|--------------|-----------|-----|------|------------|---------|
| EH-1 | QMARK | QMKC25 | BASEBOARD | N/A | 0.75 | 240V / 1PH | 1,2 |

REMARKS:

- PROVIDE WITH INTEGRAL THERMOSTAT AND DISCONNECT.
- WATTAGE BASED ON 250 WATTS PER FOOT.



CABINET EXHAUST FAN MOUNTING DETAIL

NOT TO SCALE

MECHANICAL SPECIFICATIONS

SECTION 15000 - MECHANICAL REQUIREMENTS

- GENERAL REQUIREMENTS
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PLUMBING CODE AND ALL OTHER APPLICABLE CODES.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR AND MATERIALS REQUIRED TO HAVE A COMPLETE, FUNCTIONING, HEATING, AIR CONDITIONING, VENTILATING AND PLUMBING SYSTEMS TOGETHER WITH ALL ASSOCIATED EQUIPMENT AND APPARATUS AS SHOWN ON THE PLANS. "PROVIDE" MEANS TO FURNISH AND INSTALL.
 - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR THE EXECUTION OF THIS WORK AND SHALL MAKE ARRANGEMENTS FOR MODIFICATIONS TO THE WATER, GAS AND SEWER CONNECTIONS TO THE BUILDING AS REQUIRED.
 - ALL MATERIALS SHALL BE NEW AND SHALL BARE U.L. LABEL WHERE APPLICABLE.
 - THE MECHANICAL CONTRACTOR SHALL DO ALL EXCAVATING AND BACKFILLING NECESSARY TO COMPLETE WORK UNDER THIS SPECIFICATION, UNLESS INDICATED OTHERWISE ON PLANS.
 - THE CONTRACTOR SHALL VISIT THE SITE AND OBSERVE THE CONDITIONS UNDER WHICH WORK WILL BE DONE. ANY DISCREPANCIES SHALL BE CALLED TO THE ARCHITECT'S ATTENTION. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONTRACT FOR ANY ERROR OR NEGLIGENCE ON THE CONTRACTOR'S PART.
 - FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. WORK SHALL INCLUDE REQUIRED ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT INSTALLED UNDER THIS SPECIFICATION DIVISION.
 - CONTRACTOR WARRANTS TO OWNER AND ARCHITECT THE QUALITY OF MATERIALS, EQUIPMENT, WORKMANSHIP AND OPERATION OF EQUIPMENT PROVIDED UNDER THIS SPECIFICATION DIVISION FOR A PERIOD OF ONE YEAR FROM AND AFTER COMPLETION OF BUILDING AND ACCEPTANCE OF THE MECHANICAL SYSTEMS BY THE OWNER.
 - ALL MATERIALS INSTALLED IN THE PLENUM SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.

SECTION 15100 - PLUMBING

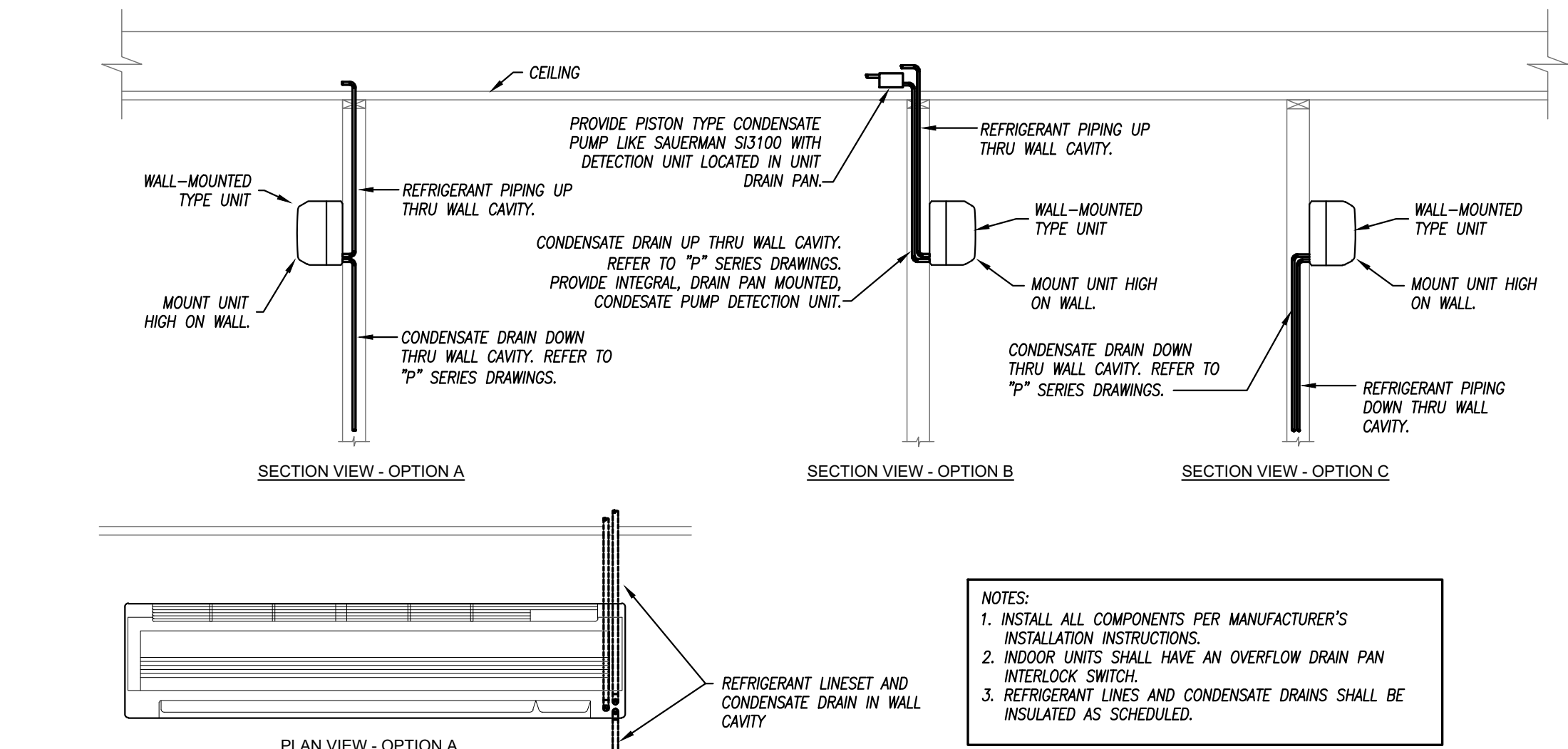
- PRODUCTS
 - WATER PIPES
 - ALL WATER PIPING SHALL BE 95-5 TIN-ANTIMONY JOINED TYPE I COPPER.
 - PIPE INSULATION
 - HOT AND COLD WATER - 1/2" THICK FIBERGLASS WITH ASJ AND PVC COVERS.
 - WASTE AND VENT PIPING
 - SHALL BE CAST IRON BELL AND SPIGOT OR HUBLESS CAST IRON WITH NEOPRENE GASKET FITTINGS AND STAINLESS STEEL BANDS.
 - SCHEDULE 40 PVC WITH SOLVENT WELDS MAY BE USED WHERE ALLOWED BY LOCAL CODE.
 - FLOOR DRAINS
 - FLOOR DRAIN TYPE 1: MADE #W-1100 FLOOR DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE NICKEL BRONZE STRAINER. STRAINER SHALL HAVE A 6" ROUND OR SQUARE TOP AS SCHEDULED AND SHOWN ON PLANS.
 - CLEANOUTS
 - WALL: MADE #W-B450-C CLEANOUT WITH DURA-COATED CAST IRON FERRULE AND CADMIUM PLATED CAST IRON COUNTER-SUNK PLUG COMPLETE WITH ROUND SMOOTH NICKEL BRONZE WALL ACCESS COVER AND FLUSH OVER-WALL FRAME.
 - FLOOR: MADE #W-6000-XS CAST IRON CLEANOUT WITH SQUARE, HEAVY DUTY, SCORATED NICKEL BRONZE TOP, ADJUSTABLE ABOVE TO FINISHED FLOOR. VERIFY FLOOR MATERIALS USED FROM ARCHITECTURAL PLANS AND PROVIDE PROPER CLEANOUT TOPS, WHERE THEY OCCUR IN CARPET, QUARRY TILE, VINYL TILE OR CERAMIC TILE.
 - ESCUTCHEONS
 - PROVIDE NICKEL-BRASS OR CHROME PLATED ON ALL EXPOSED PIPES WHEN THEY PASS THROUGH WALL OR CEILING OF FINISHED ROOMS.
 - BALL VALVES
 - PROVIDE BRONZE FULL PORT WITH TEFLON SEATS, BRONZE BALL AND INSULATED HANDLE FOR ALL DOMESTIC WATER SHUT-OFF VALVES. PROVIDE IRON BODY-BRASS PLUG GAS STOPS.
 - ROOF PENETRATIONS
 - SHALL BE MADE AS SPECIFIED UNDER ARCHITECTURAL ROOFING DIVISION BY OWNERS AUTHORIZED ROOFING CONTRACTOR WHEN REQUIRED.
- EXECUTION
 - PROVIDE UNIONS OR FLANGED JOINTS IN EACH PIPE LINE PRECEDING CONNECTIONS TO EQUIPMENT TO ALLOW REMOVAL FOR REPAIR OR REPLACEMENT. PROVIDE ALL SCREWED AND CONTROL VALVES WITH UNIONS ADJACENT TO EACH PIPING CONNECTION. PROVIDE SCREWED END VALVES WITH UNION ADJACENT TO VALVE UNLESS VALVE CAN BE OTHERWISE EASILY REMOVED FROM LINE.
 - AFTER PIPING IS IN PLACE TEST THE LINES TO ENSURE NO LEAKS.
 - ALL PIPING SHALL BE SUPPORTED PROPERLY FROM STRUCTURE.

SECTION 15200 - PLUMBING EQUIPMENT

- PRODUCTS (SEE SCHEDULE)
 - EQUIVALENT FIXTURES BY KOHLER, AMERICAN STANDARD, ELJER, CRANE, HALSEY TAYLOR, OASIS, HAWS. EQUIVALENT TRIM BY MOEN, DELTA, ELJER, KOHLER, AMERICAN STANDARD, CRANE, SLOAN. EQUIVALENT FLOOR DRAINS BY WADE, ZURN, WOODFORD, SMITH, JOSAM.
 - EQUIVALENT VALVES LISTED ON CURRENT COMPARISON CHARTS OF SPECIFIED VALVE MANUFACTURERS BY MILWAUKEE, STOCKHAM, POWELL, RED-WHITE, CRANE, APOLLO, MUELLER, MUSSCO, WATTS, HAYS, ROCKWELL-WORDSTROM.

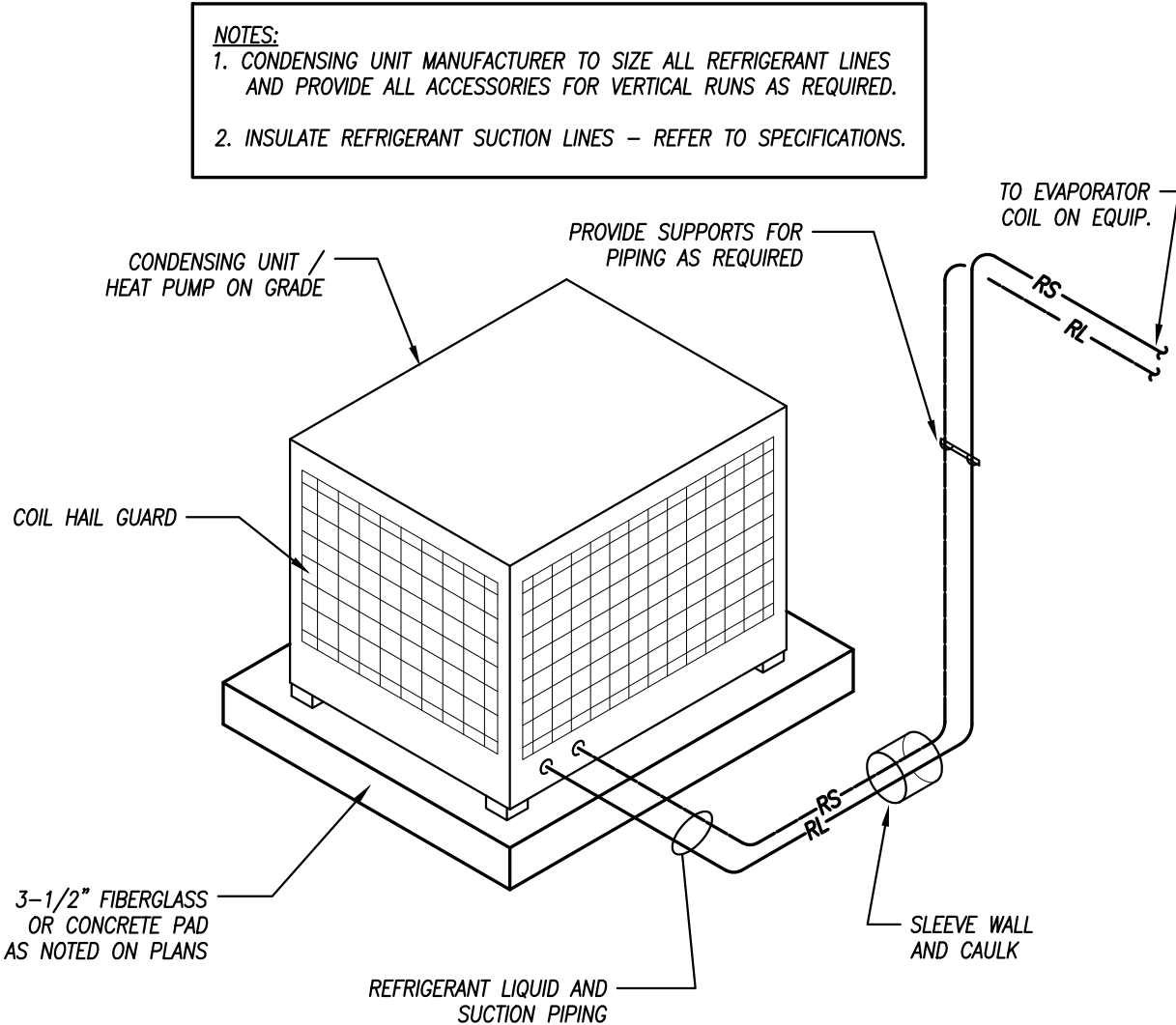
SECTION 15300 - HVAC

- GENERAL
 - PROVIDE COMPLETE HVAC SYSTEM AS SHOWN ON DRAWINGS INCLUDING EQUIPMENT, DUCTWORK, DIFFUSERS, GRILLES, AND FILTERS. PROVIDE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL EQUIPMENT.
 - ALL HVAC WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL REQUIREMENTS OF THE LOCAL BUILDING CODE, ASHRAE, NEC, NFPA AND ALL OTHER APPLICABLE CODES HAVING JURISDICTION.
- HVAC EQUIPMENT
 - PROVIDE EXHAUST FANS AS SCHEDULED.
 - ELECTRIC HEATERS AS SCHEDULED.
 - PROVIDE FAN COILS AND HEAT PUMPS AS SCHEDULED.
 - PROGRAMMABLE THERMOSTATS



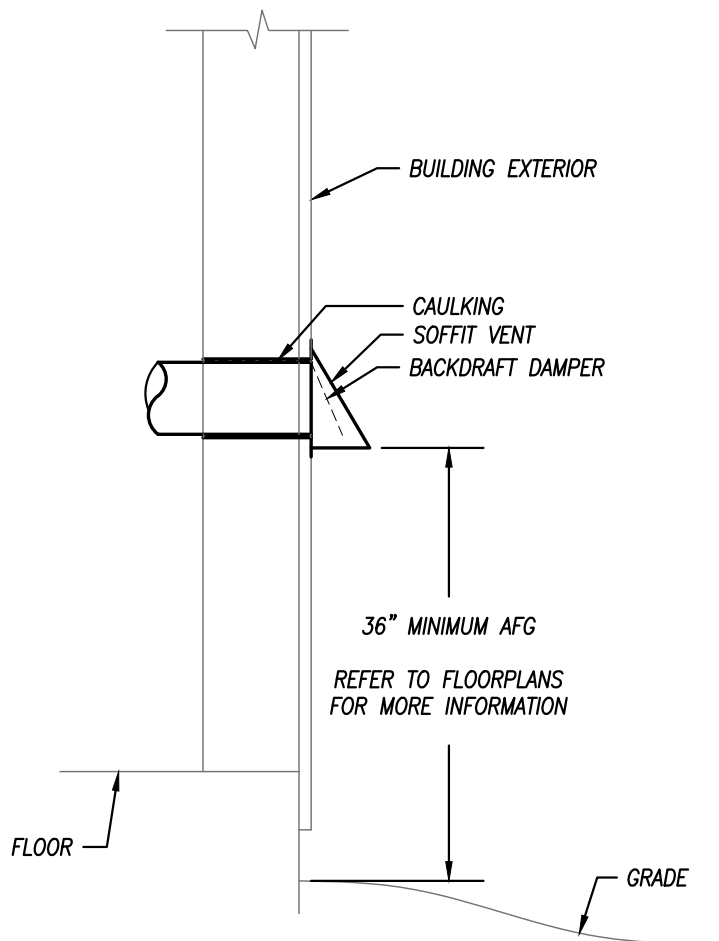
WALL-MOUNTED FAN COIL UNIT DETAILS

NOT TO SCALE



CONDENSING UNIT DETAIL

NOT TO SCALE

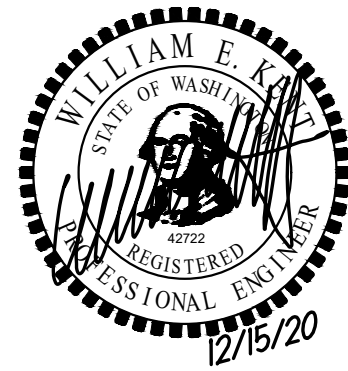


EXHAUST/VENT CAP AT EXTERIOR WALL

NOT TO SCALE

SAMISH 34th ST HOUSING
2109 34TH STREET
ANACORTES, WA 98221

TRAVOIS DESIGN
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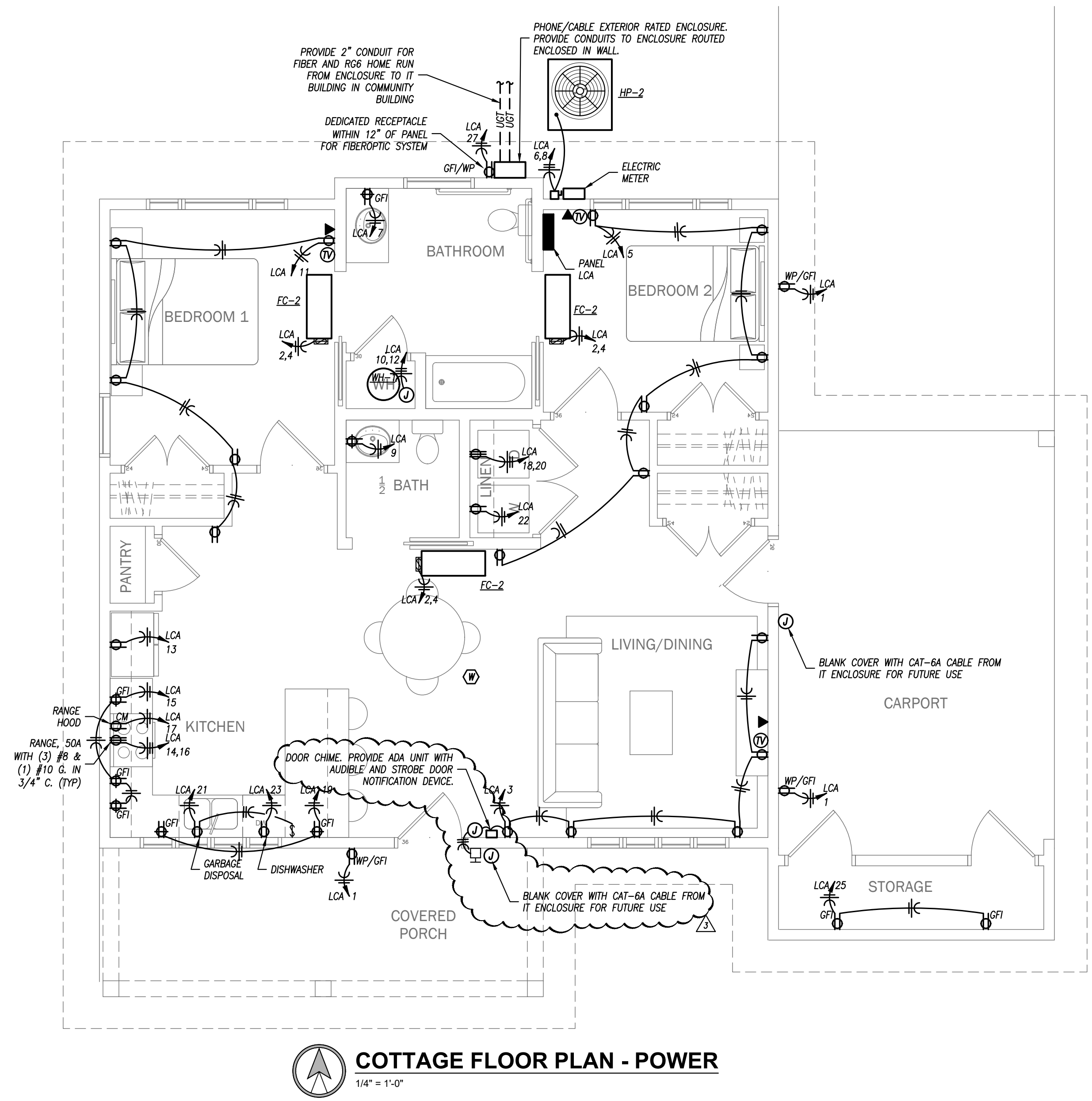


| REVISION | DATE |
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| ADDENDUM #3 | 5/23/2022 |

SHEET

E-101

COTTAGE POWER
PLANS



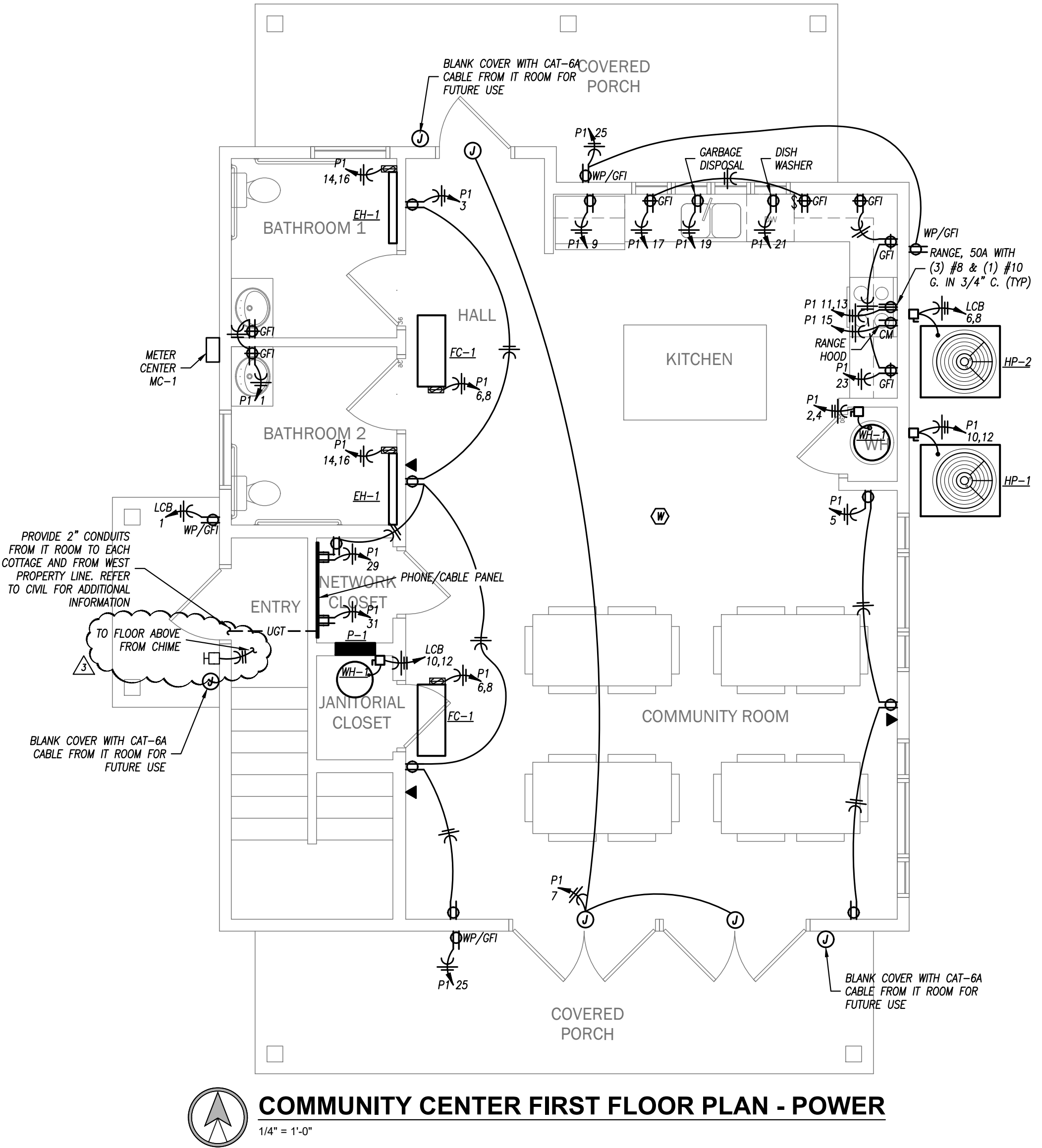
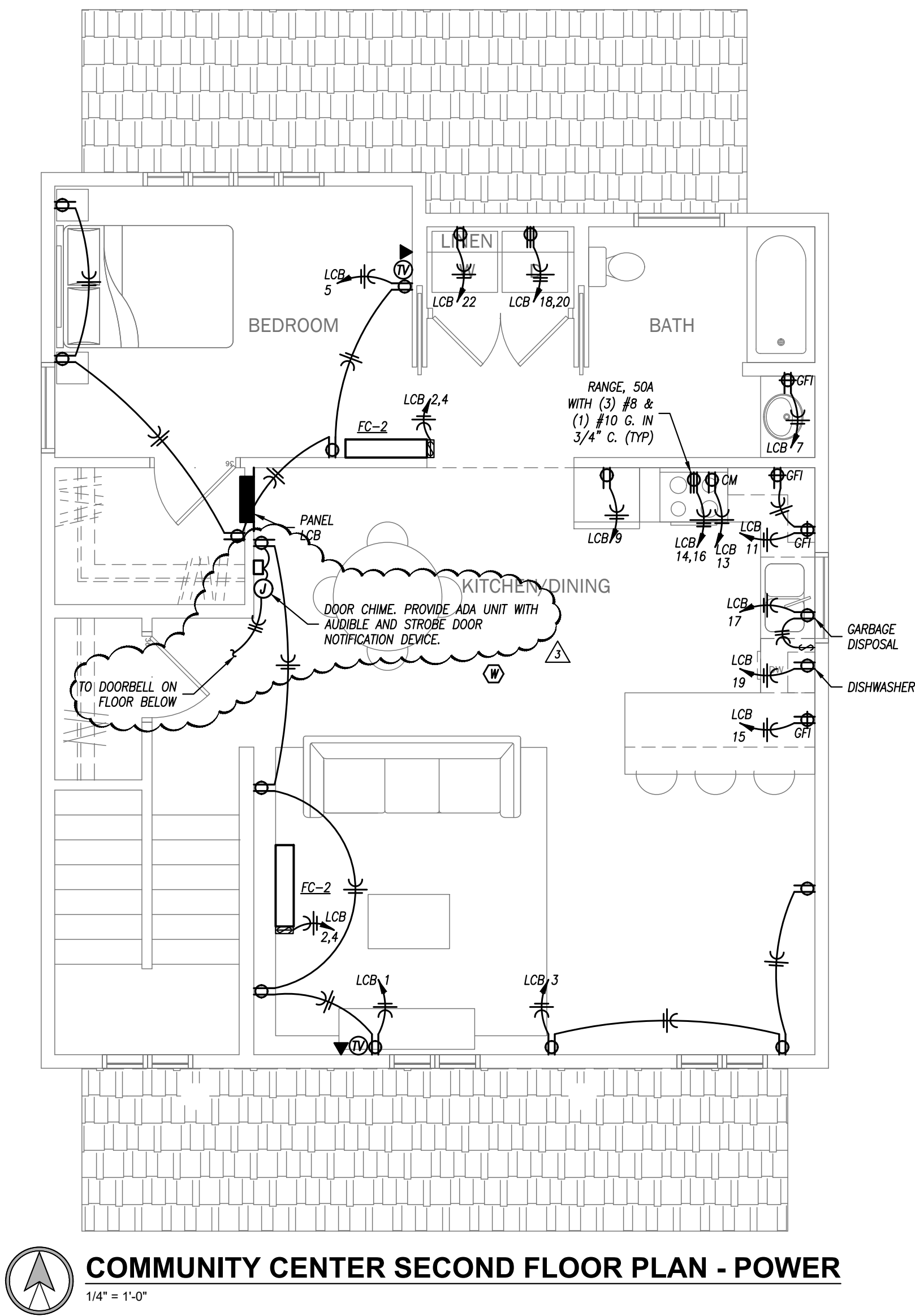
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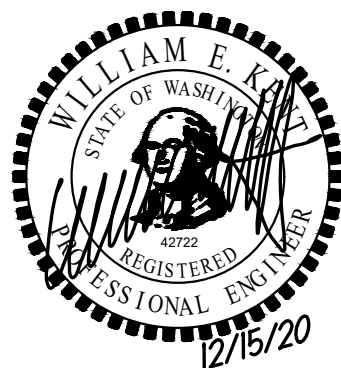
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|--------------|-----------|
| 100% BID SET | 9/21/2021 |
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SHEET
E-102
COMMUNITY CENTER
POWER PLANS



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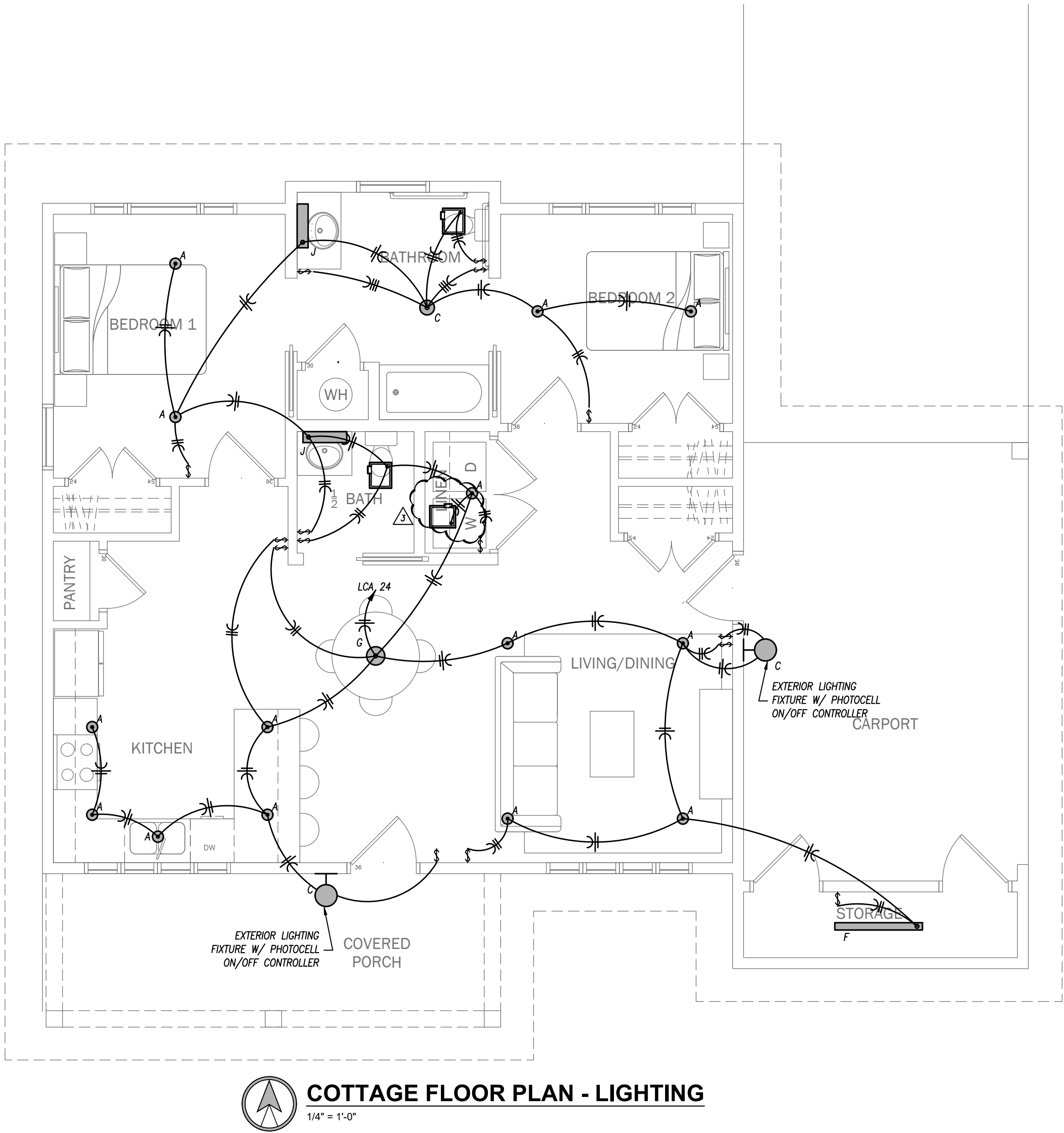
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E-301

COTTAGE LIGHTING
PLANS

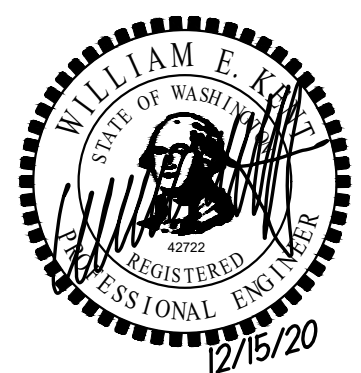
LIGHTING PLAN KEYED NOTES

1 NOTE NOT USED



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| 100% BID SET | 9/21/2021 |
| ADDENDUM #3 | 5/23/2022 |

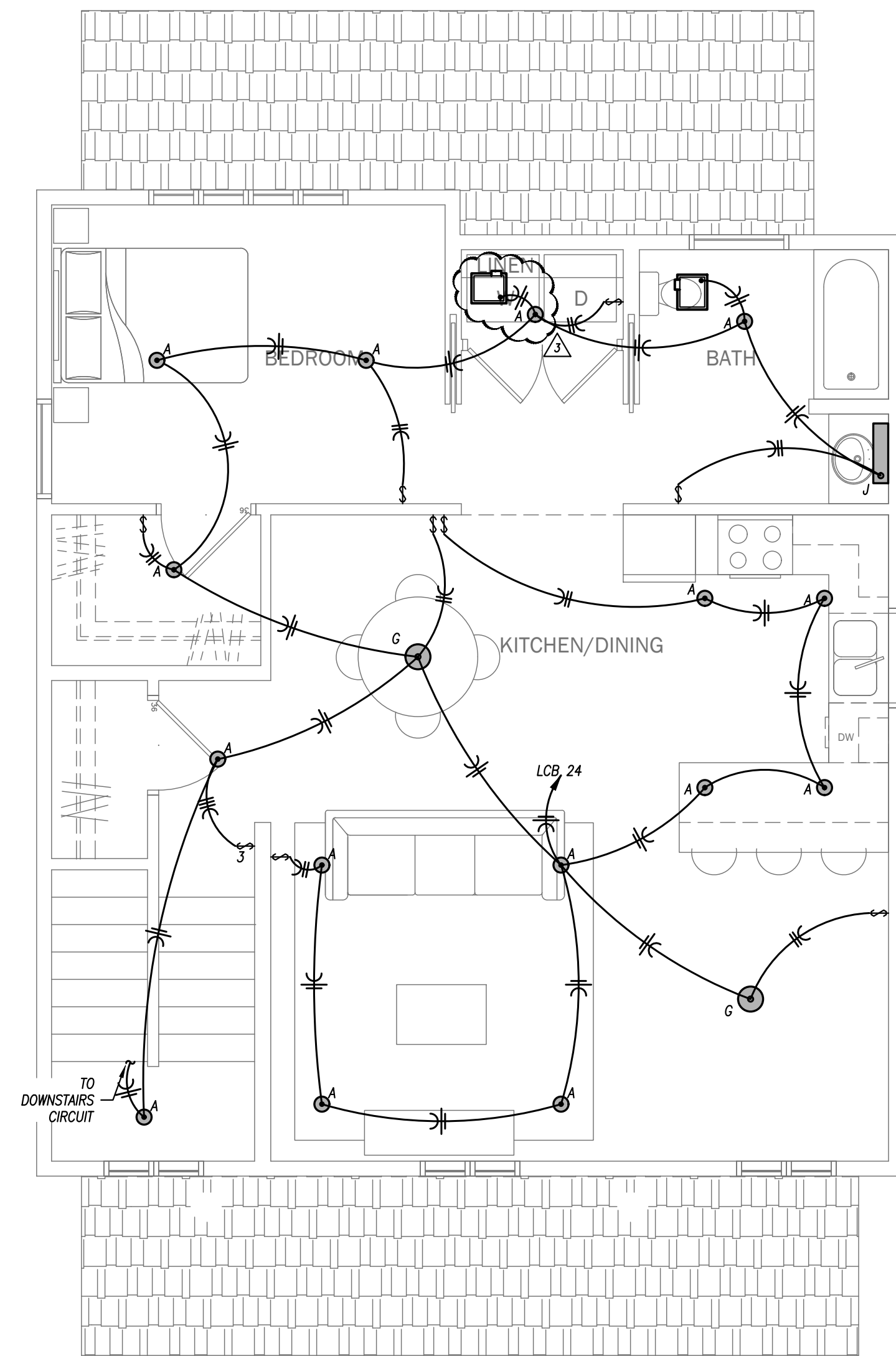
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E-302

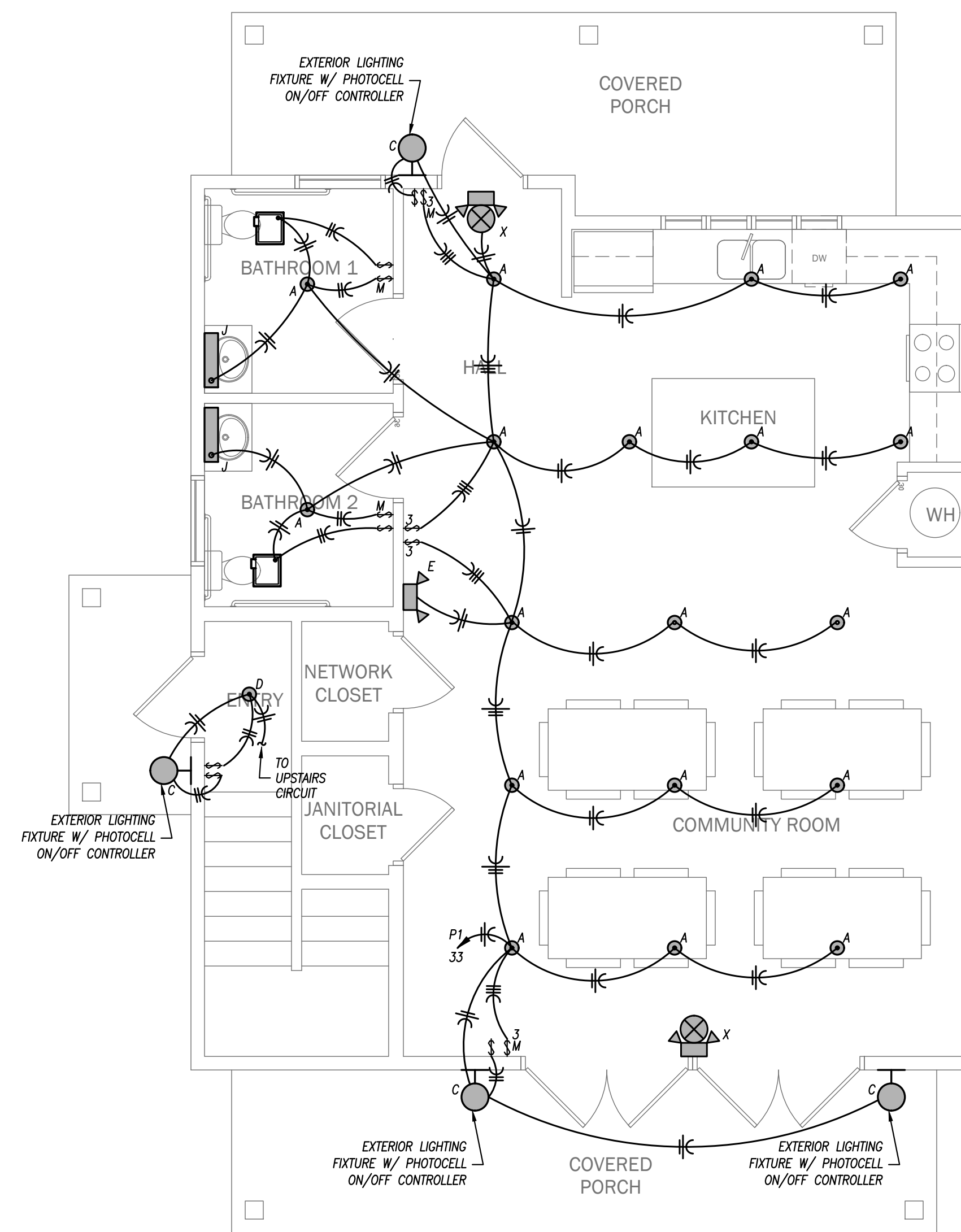
COMMUNITY CENTER
LIGHTING PLANS

LIGHTING PLAN KEYED NOTES

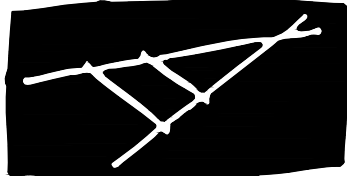
1 NOTE NOT USED



COMMUNITY CENTER SECOND FLOOR PLAN - LIGHTING
1/4" = 1'-0"



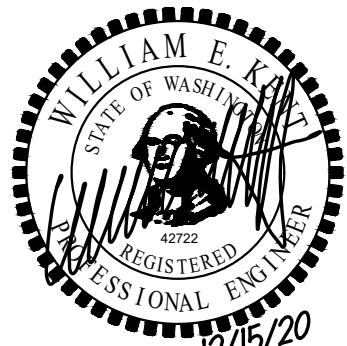
COMMUNITY CENTER FIRST FLOOR PLAN - LIGHTING
1/4" = 1'-0"



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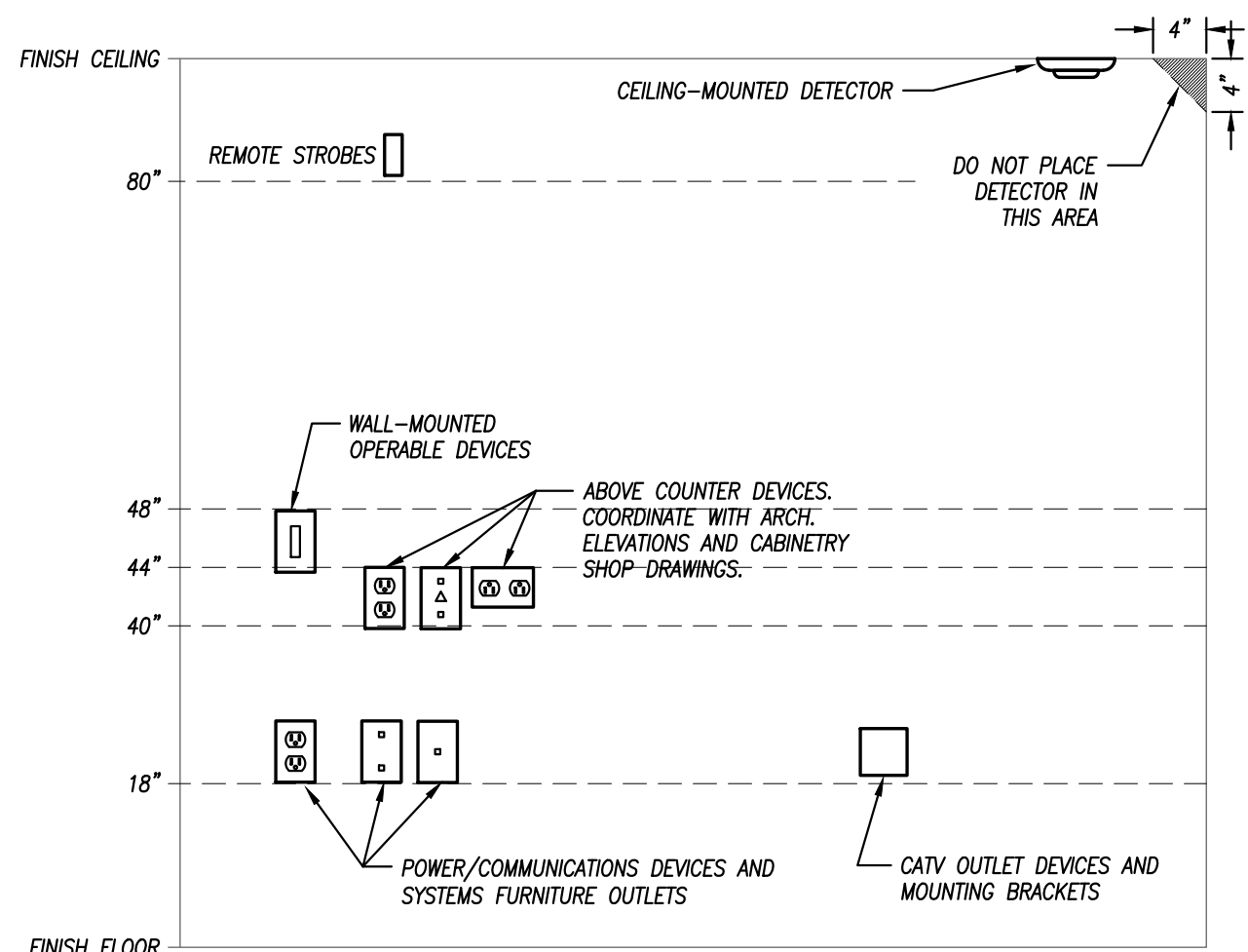
SHEET

E-501
LIGHTING SCHEDULES
& DETAILS

pkmr
ENGINEERS

PEARSON KENT MCKINLEY RAFF ENGINEERS LLC
2933 SW WOODSIDE DR., SUITE C TOPEKA, KS 66614
785.273.2447 WWW.PKMRENG.COM

20.203



GENERAL NOTES:

1. MOUNTING HEIGHTS SHOWN IN THIS DETAIL ARE TYPICAL UNLESS OTHERWISE NOTED ON THE PLANS.
2. SEE ARCHITECTURAL ELEVATIONS FOR SPECIAL CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
3. ALL INSTALLATIONS SHALL COMPLY WITH ADA.

POWER/COMMUNICATION DEVICES:

OUTLETS SHALL BE LOCATED AT 18" A.F.F. TO THE BOTTOM OF THE BOX. ABOVE COUNTER DEVICES SHALL BE LOCATED AT 2" ABOVE THE BACKSPASH OF THE COUNTER TO THE BOTTOM OF THE DEVICES. VERIFY WITH ARCHITECTURAL DETAILS.

WALL-MOUNTED OPERABLE DEVICES:

OPERABLE DEVICES SHALL BE LOCATED AT 48" A.F.F. TO THE TOP OF THE OPERABLE PORTION OF THE DEVICE.

WALL-MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
LIGHT SWITCHES, DIMMERS, CONTROLS, ETC.
PUSH BUTTONS

MOUNTING HEIGHTS FOR WALL-MOUNTED DEVICES

NOT TO SCALE

| FIXTURE TYPE | MANUFACTURER | CATALOG NUMBER | DESCRIPTION | LAMP NUMBER / DESCRIPTION | VOLTAGE | REMARKS |
|--------------|---------------|---------------------------|---|---|---------|---------|
| A | LITHONIA | 65BE | 6" RECESSED LED CAN LIGHT WITH BAFFLED REFLECTOR. ACRYLIC DIFFUSER. TEXTURED WHITE FINISH. | ONE (1) 11.9 WATT, 859 LUMENS. 3000K CCT. LED MODULE. | 120 | 1 |
| C | KICHLER | 11320BKLED | EXTERIOR WALL-MOUNTED LED FIXTURE. 13" TALL, 10" WIDE WITH POLYCARBONATE DIFFUSER. WET LOCATION RATED. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO WORK. | ONE (1) 16 WATT, 875 LUMEN, 3000K INTEGRATED LED ARRAY. | 120 | 1 |
| D | WILLIAMS | VOLTAIRE MINI VMWH SERIES | EXTERIOR WALL-MOUNTED FIXTURE. DIE-CAST ALUMINUM HOUSING. SOLITE DIFFUSED TEXTURED TEMPERED GLASS LENS. FORWARD THROW OPTICS. INTEGRAL LED DRIVER. POWDER COAT FINISH BLACK - COORDINATE WITH ARCHITECT/BUILDING OWNER. UL LISTED WET LOCATION. FURNISH WITH OPTIONAL PHOTOCCELL FOR ON/OFF CONTROL OF LIGHT FIXTURE. | ONE (1) LED ARRAY. 16 WATTS, 1700 LUMENS. 3000K CCT. | 120 | 1 |
| E | DUAL-LITE | EV SERIES | LOW-PROFILE EMERGENCY LIGHTING UNIT. FLAME-RATED, UV-STABLE THERMOPLASTIC HOUSING. TWO (2) SEMI-RECESSED, ADJUSTABLE "EYEBALL" HEADS WITH GLASS LENS. WHITE FINISH. MAINTENANCE-FREE BATTERY FOR 90 MINUTE OPERATION OF LAMPS. INTEGRAL TEST SWITCH AND AC-ON INDICATOR. | TWO (2) 1.1 WATT LED HEADS. | 120 | 1 |
| F | WILLIAMS | SERIES 75S | 4'-0" LONG COMMERCIAL-GRADE STRIP FIXTURE WITH SQUARE LENS. SURFACE MOUNT. WHITE FINISH. INTEGRAL LED DRIVER PRE-WIRED FOR NON-DIMMING APPLICATIONS. | ONE (1) 44 WATT, 5500 LUMEN, L50 LED MODULE. 3500K CCT. | 120 | 1 |
| G | TBD | TBD | 2'-0" DIAMETER x 7'-11/16" HIGH, ROUND ARCHITECTURAL SURFACE-MOUNTED FIXTURE. DIE-FORMED ALUMINUM HOUSING WITH 0.125" THICK FROSTED CONVEX ACRYLIC LENS. WHITE POWDER COAT FINISH. INTEGRAL LED DRIVER PRE-WIRED FOR 0-10V DIMMING APPLICATIONS. | ONE (1) 45.7 WATT, 4500 LUMEN, L45 LED MODULE. 3500K CCT. | 120 | 1 |
| J | RP LIGHTING | 4908 | WALL MOUNTED VANITY FIXTURE WITH 3 LIGHTS. DAMP LOCATION LISTED. OPAL GLASS SHADE WITH HEAVY DUTY STAINLESS STEEL HOUSING. COORDINATE EXACT MOUNTING HEIGHT AND FINISH WITH ARCHITECT PRIOR TO WORK. | THREE (3) 9 WATT A19 LED LAMPS. | 120 | 1 |
| K | MCGRAW-EDISON | GLEON-SATC-740-3 | POLE MOUNTED LED ARRAY. POLE TO BE 20" ROUND STEEL WITH BOLT COVER. DARK BRONZE, POLE RATED FOR 100 MPH WINDS | SINGLE LED LIGHT SQUARE 67 WATT, 7,972 LUMEN | 240 | 1 |
| X | DUAL-LITE | EVE SERIES | COMPACT, LOW-PROFILE EXIT SIGN. UV STABLE THERMOPLASTIC HOUSING. WHITE FINISH WITH RED LETTERS. SIDE, TOP, OR WALL MOUNTED IN SINGLE/DOUBLE FACE CONFIGURATION WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS. FURNISH WITH EMERGENCY OPTION FOR MAINTENANCE-FREE NICKEL-METAL-HYDRIDE BATTERY FOR 2 HOUR OPERATION WITH INTEGRAL TEST SWITCH AND AC-ON LIGHT. | SIX (6) HIGH-OUTPUT LEDS - TOTAL POWER CONSUMPTION = 2 WATTS. | 120 | 1 |

REMARKS:

1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS.

GENERAL NOTES (APPLICABLE TO ALL FIXTURES):

- 1) REFER TO SPECIFICATIONS FOR APPROVED EQUAL FIXTURE MANUFACTURERS AND ADDITIONAL FIXTURE/DRIVER/BALLAST REQUIREMENTS.
- 2) ALL FIXTURES WITH PAINTED METAL PARTS SHALL BE PAINTED AFTER FABRICATION.
- 3) LUMENS LISTED FOR LED FIXTURES ARE GENERALLY DELIVERED LUMENS UNLESS NOTED OTHERWISE.
- 4) ALL EXTERIOR LED FIXTURES ARE FULL CUTOFF UNLESS NOTED OTHERWISE.
- 5) ALL FIXTURES IN FOOD PREPARATION OR SERVING AREAS SHALL BE FURNISHED WITH SHATTER-RESISTANT LAMPS UNLESS LENSED.
- 6) ALL FIXTURES SHALL BE IC RATED OR PROVIDED WITH INSULATION SHIELDS WHEN INSTALLED IN INSULATED AREAS OF THE TRUSS SPACE.
- 7) FOR ALL FIXTURES INSTALLED IN RATED ASSEMBLIES, FURNISH AND INSTALL APPROVED FIRE BARRIER (E.Z. BARRIER OR TENMAT FF109 SERIES) OVER FIXTURE TO MAINTAIN 1 HOUR CEILING ASSEMBLY RATING.

SECTION 16000 - ELECTRICAL REQUIREMENTS

1. GENERAL REQUIREMENTS
- A. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR AND MATERIALS REQUIRED TO HAVE A COMPLETE FUNCTIONING ELECTRICAL LIGHTING AND POWER SYSTEMS TOGETHER WITH ALL ASSOCIATED EQUIPMENT AND APPARATUS AS SHOWN ON THE PLANS.
- B. CODES: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA, CITY OF AND ALL OTHER APPLICABLE CODES.
- C. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE U.L. LABEL WHERE APPLICABLE. PROVIDE WATERPROOF EQUIPMENT ENCLOSURES WHERE REQUIRED.
- D. CONTRACTOR SHALL FURNISH AND INSTALL FOR WORK DESIGNATED AS ITS RESPONSIBILITY, ALL WIRE, WIREWAY, CONDUIT, CONNECTORS, OUTLETS, ETC., NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE FURNISHED AND INSTALLED AS THOUGH FULLY SHOWN AND SPECIFIED.
- E. THE CONTRACTOR SHALL VISIT THE SITE AND OBSERVE THE CONDITIONS UNDER WHICH THE WORK WILL BE DONE. ANY DISCREPANCIES SHALL BE CALLED TO THE ARCHITECT'S ATTENTION. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION FOR ANY ERROR OR NEGLIGENCE ON THE CONTRACTOR'S PART.

SECTION 16100 - CABLING, CONDUIT AND CONDUCTORS

1. PRODUCTS

- A. FOLLOW CIRCUITING SHOWN ON PLANS. USE NO CONDUCTORS SMALLER THAN #14 GA. UNLESS NOTED OTHERWISE. USE #14 GA. WIRE FOR ALL 15 AMP CIRCUITS AND #12 GA. FOR ALL 20 AMP CIRCUITS OR AS OTHERWISE NOTED ON THE PLANS.
 - B. BRANCH CIRCUIT WIRING FOR INDIVIDUAL DWELLING UNITS SHALL BE TYPE NM CABLE. THINW COPPER CONDUCTOR. NM CABLE SHALL HAVE A GROUNDING CONDUCTOR.
 - C. SER CABLE MAY BE USED FOR FEEDERS TO INDIVIDUAL DWELLING UNITS FROM THE METER TO THE LOAD CENTER WHERE PERMITTED BY CODE. STYLE SER CABLE SHALL BE CONSTRUCTED OF SUNLIGHT RESISTANT TYPE XHHW-2 CONDUCTORS OR TYPE THHN/THWN CONDUCTORS. COPPER CONDUCTOR. CABLE ASSEMBLY PLUS REINFORCEMENT TAPE JACKETED WITH GRAY SUNLIGHT RESISTANT PVC. INSTALLATION SHALL MEET THE REQUIREMENTS OF THE NEC. WHERE OTHERWISE REQUIRED TO BE PROTECTED MC CABLE SHALL BE USED.
 - D. WIRING INSTALLED BELOW GRADE SHALL BE INSTALLED IN SCHEDULE 80 PVC HEAVY WALL PLASTIC CONDUIT MEETING NEMA STANDARDS AND UL LISTED FOR UNDERGROUND AND EXPOSED USE. PROVIDE GALVANIZED RIGID STEEL (GRS) RADIUS BENDS AND RISERS AS CONDUITS RISE ABOVE GRADE OR ABOVE FLOOR SLAB.
 - E. LIGHTING AND RECEPTACLE CIRCUIT CONDUCTORS SHALL BE COPPER THERMOPLASTIC INSULATED TYPE THHN/THWN 600 VOLT, 75 DEGREES C. COLOR CODED AS DESCRIBED UNDER APPLICABLE CODES. LIGHTING FIXTURE WIRE INSULATION SHALL HAVE A TEMPERATURE RATING NOT LESS THAN THE INDIVIDUAL LIGHTING FIXTURE MANUFACTURER'S RECOMMENDED RATING.
 - F. CIRCUITS WITH NO. 8 OR LARGER CONDUCTORS AND BUILDING SERVICE FEEDERS SHALL BE COPPER THERMOPLASTIC INSULATED TYPE THHN/THWN 600 VOLT, 75 DEGREES C.
 - G. WHERE NM CABLE IS INSTALLED EXPOSED SAME SHALL BE INSTALLED IN CONDUIT.
2. EXECUTION
- A. ALL NEW CABLING SHALL BE INSTALLED CONCEALED IN WALLS OR CEILINGS.

SECTION 16200 - GROUNDING

1. GENERAL

- A. SUPPLEMENT GROUNDED NEUTRAL OF SECONDARY DISTRIBUTION SYSTEM WITH EQUIPMENT GROUNDING SYSTEM, INSTALLED SO THAT METALLIC STRUCTURES, ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES, PORTABLE EQUIPMENT AND OTHER CONDUCTIVE ITEMS OPERATE CONTINUOUSLY AT GROUND POTENTIAL AND PROVIDE LOW IMPEDANCE PATH FOR GROUND FAULT CURRENTS.
 - B. SYSTEM SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, THE DRAWINGS AND AS SPECIFIED.
2. PRODUCTS
- A. PROVIDE EQUIPMENT GROUND BUS IN LOAD CENTER CONNECTED BY AN APPROVED METHOD TO GROUND RODS.
 - B. PROVIDE IN CONDUIT A GREEN INSULATED COPPER GROUND CONDUCTOR TO MAIN METALLIC WATER SERVICE ENTRANCE AND CONNECT BY MEANS OF ADEQUATE GROUND CLAMPS.
3. EXECUTION
- A. EQUIPMENT GROUNDING CONDUCTORS FOR BRANCH CIRCUIT HOME RUNS SHOWN ON THE DRAWINGS SHALL INDICATE AN INDIVIDUAL AND SEPARATE GROUND CONDUCTOR FOR THAT BRANCH CIRCUIT WHICH SHALL BE TERMINATED AT THE BRANCH CIRCUIT PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT.
 - B. PROVIDE LOW VOLTAGE DISTRIBUTION SYSTEM WITH A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR EACH FEEDER. SINGLE PHASE 120 VOLT BRANCH CIRCUITS FOR LIGHTING AND POWER SHALL CONSIST OF PHASE AND NEUTRAL CONDUCTORS AND A GREEN GROUND CONDUCTOR INSTALLED IN COMMON CABLE ASSEMBLY.
 - C. GROUNDING CONDUCTORS SHALL BE AS SHOWN ON PLANS OR IF NOT SPECIFICALLY SHOWN SHALL BE NO SMALLER THAN THAT REQUIRED BY THE NEC.

SECTION 16300 - ELECTRICAL EQUIPMENT

1. PRODUCTS

- A. ALL JUNCTION BOXES AND OUTLET BOXES FOR LIGHT FIXTURES, RECEPTACLES, AND WALL SWITCHES SHALL BE RACO OR CARLON NONMETALLIC OUTLET BOXES PERMITTED FOR NM CABLE INSTALLATIONS AS ALLOWED BY CODE. LIGHTING FIXTURE OUTLET BOXES IN CEILINGS SHALL NOT BE LESS THAN 4" OCTAGONAL. OUTLETS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE DRAWINGS AND AS REQUIRED TO MEET THE NEC. OUTLET BOXES SHALL BE FLUSH MOUNTED ON ALL WALLS FOR CONCEALED WORK. GANGABLE TYPE BOXES SHALL BE USED IN ALL GYPSUM SURFACES. PROVIDE CEILING FAN RATED CEILING BOXES AT CEILING FAN LOCATIONS.
- B. COMBINATION METER CABINETS / LOAD CENTERS
- 1) EQUIPMENT SHALL BE EQUIPMENT SHALL BE CUTLER-HAMMER MBE 120/240 COMBINATION METER CABINET/LOAD CENTER OR EQUAL.
- 2) EQUIPMENT SHALL BE OF THE CAPACITY SHOWN ON THE DRAWINGS WITH COPPER BUSSING AND BRACED FOR A MINIMUM OF 22,000 AIC UNLESS OTHERWISE NOTED ON PLANS. PROVIDE WITH MAIN DISCONNECT AS INDICATED ON THE PLANS.
- 3) PROVIDE WITH A SEPARATE EQUIPMENT GROUND BUS AND BONDABLE NEUTRAL.
- 4) COORDINATE METERING TYPE WITH THE UTILITY COMPANY.
- 5) PROVIDE WITH WEATHER-PROOF NEMA 3R ENCLOSURE FOR EXTERIOR INSTALLATION.
- 6) SERVICE ENTRANCE RATED.
- 7) PROVIDE WITH NUMBER AND SIZE OF BREAKERS AS INDICATED ON THE LOAD CENTER SCHEDULE ON THE DRAWINGS.
- 8) PROVIDE AFCI AND HACR CIRCUIT BREAKERS WHERE REQUIRED BY CODE.
- 9) PAD-LOCKABLE COVER.
- 10) EQUIVALENT BY SQUARE D, SIEMENS, CUTLER HAMMER, OR GE.
- C. DISCONNECT SWITCHES
- 1) PROVIDE NON-FUSIBLE SAFETY DISCONNECT SWITCHES OF SIZE AND TYPE INDICATED ON THE DRAWINGS.
- 2) EQUIVALENT BY SQUARE D, SIEMENS, CUTLER HAMMER, OR GE.

SECTION 16400 - WIRING DEVICES

1. PRODUCTS

- A. EQUIPMENT DEVICES BY COOPER, LEVITON, PASS & SEYMOUR, AND HUBBELL.
 - B. CONVENIENCE RECEPTACLES SHALL BE COOPER COMMERCIAL GRADE 15 AMP DUPLEX WITH GROUND AS SHOWN. OTHER OUTLETS SHALL BE VERIFIED WITH EQUIPMENT SUPPLIERS FOR PROPER NEMA CONFIGURATIONS. PROVIDE GFCI RATED DEVICES WHERE INDICATED.
 - C. 15 AMP AND 20 AMP, 120 VOLT RECEPTACLES SHALL BE TAMPER-RESISTANT AS REQUIRED BY CODE.
 - D. LIGHT SWITCHES SHALL BE COOPER COMMERCIAL GRADE 15 AMP ROCKER TYPE SWITCHES.
 - E. WALL PLATES SHALL BE NYLON WITH BEVELED EDGES.
 - F. COLOR OF DEVICES AND WALL PLATES AS DIRECTED BY THE ARCHITECT.
2. EXECUTION
- A. ALL OUTLETS, SHALL BE MOUNTED WITH BOTTOM AT 18" AFF AND SWITCHES WITH BOTTOM AT 44" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON PLANS.

SECTION 16500 - LUMINAIRES, LAMPS AND BALLASTS

1. PRODUCTS

A. LUMINAIRES

- 1) PROVIDE LIGHTING FIXTURES COMPLETE WITH LAMPS AND ACCESSORIES REQUIRED FOR HANGING. COORDINATE MOUNTING OF CEILING MOUNTED LIGHTING FIXTURES WITH GENERAL CONTRACTOR. WHERE ADDITIONAL FIXTURE SUPPORTS ARE REQUIRED THEY SHALL BE PROVIDED BY E/C. LIGHTING FIXTURE SUPPORTS SHALL COMPLY WITH THE LATEST EDITION OF THE NEC SECTIONS 410-15 AND 410-16. PROVIDE LIGHTING FIXTURE SECURING CLIPS AS REQUIRED. CONSULT ARCHITECTURAL PLANS FOR CEILING TYPES AND PROVIDE SURFACE AND RECESSED LIGHTING FIXTURES WITH APPROPRIATE MOUNTING COMPONENTS AND ACCESSORIES.
- 2) SEE LIGHTING FIXTURE SCHEDULE ON PLANS FOR FIXTURE TYPES. EQUIVALENT LUMINAIRES BY HUBBELL, INFINITY, LITHONIA, WILLIAMS, COLUMBIA, EXITRONICS, LITEALARM, EXIDE.
- B. LAMPS
- 1) FIXTURE LAMPS SHALL BE LAMP TYPE RECOMMENDED BY FIXTURE MANUFACTURER. LAMP NO FIXTURES ABOVE MANUFACTURERS RECOMMENDED MAXIMUM WATTAGES. PROVIDE T-8 FLUORESCENT LAMPS AS 32 WATT WITH A COLOR RENDITION INDEX(CRI) OF NO LESS THAN 75 AND A COLOR TEMPERATURE OF 4100 DEGREES K. , 2900 APPROXIMATE INITIAL LUMENS AND PROVIDE T-5 FLUORESCENT LAMPS AS 54 WATT HIGH OUTPUT, WITH A COLOR RENDITION INDEX(CRI) OF NO LESS THAN 85 AND A COLOR TEMPERATURE OF 5000 DEGREES K. , 5000 APPROXIMATE INITIAL LUMENS UNLESS OTHERWISE CALLED FOR IN THE FIXTURE SCHEDULE.
- 2) EQUIVALENT LAMPS BY G.E., VENTURE, PHILLIPS OR PENN. VALLEY.
- C. BALLASTS
- 1) FLUORESCENT ELECTRONIC BALLASTS SHALL BE THE ELECTRONIC TYPE HAVE A THD OF LESS THAN 20% BY ADVANCE, G.E., MOTOROLA, OR MAGNETEK.

SECTION 16600 - SMOKE ALARMS

1. PRODUCTS

- A. PHOTOELECTRIC, 120-VOLT, SINGLE AND MULTI-STATION CEILING-MOUNTED SMOKE DETECTORS WITH AN INTEGRAL 9 VOLT DC BATTERY FOR BACKUP.
- B. PROVIDE 120-VOLT, MULTI-STATION COMBINATION SMOKE/CARBON MONOXIDE DETECTORS WHERE INDICATED.
- C. DETECTOR SHALL BE FURNISHED WITH SOUNDER BASE. MULTIPLE DETECTORS WITHIN THE SAME DWELLING UNIT SHALL BE WIRED TOGETHER SO THAT THE ACTIVATION OF ONE DEVICE WILL SIGNAL ALL DEVICES IN THE DWELLING UNIT TO ALARM. DETECTOR SHALL BE SUITABLE FOR WALL OR CEILING INSTALLATION.
- D. HEARING IMPAIRED DWELLING UNITS SHALL HAVE A SINGLE STATION SMOKE DETECTOR THAT OPERATES FROM 120 VAC OR ITS 9 VDC BATTERY BACK UP. THE SMOKE DETECTOR SHALL HAVE A BUILT-IN 177-CANDELA STROBE THAT WILL ACTIVATE WITH THE AUDIBLE ALARM WHEN SMOKE IS DETECTED.

2. EXECUTION

- A. SYSTEM SHALL BE INSTALLED AND TESTED PER NFPA 72 AND APPLICABLE SECTIONS OF NFPA 70. FURNISH AND INSTALL A COMPLETE MULTI-STATION FIRE ALARM SYSTEM AS DESCRIBED HEREIN AND AS SHOWN ON THE PLANS; TO BE WIRED, CONNECTED, AND LEFT IN FIRST CLASS OPERATING CONDITION. INCLUDE SUFFICIENT WIRING, TERMINATIONS, ELECTRICAL BOXES, AND ALL OTHER NECESSARY MATERIAL FOR A COMPLETE OPERATING SYSTEM.
- B. EQUIPMENT SHALL BE UL LISTED.
- C. SYSTEM WIRING: WIRE AND CABLE SHALL BE A TYPE LISTED FOR ITS INTENDED USE BY AN APPROVAL AGENCY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ) AND SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES FROM THE CURRENT APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC)(NFPA 70).

SECTION 16700 - LOW VOLTAGE CABLING AND EQUIPMENT

1. PRODUCTS

- A. PROVIDE BROADBAND RG COAXIAL CABLE FOR CABLE TELEVISION OUTLETS.
 - B. PROVIDE CAT 5e CABLING FOR PHONE.
 - C. PROVIDE CAT 6 CABLING FOR DATA AND INTERNET SERVICES.
 - D. PROVIDE CAT 5e RJ45 JACK FOR PHONE AND CAT 6 RJ45 JACK FOR DATA.
 - E. PROVIDE ALL NECESSARY CABLING, EQUIPMENT, BOXES, SPLITTERS, CONNECTORS, COVERS, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - F. REFER TO LOW-VOLTAGE DIAGRAMS FOR MORE INFORMATION.
2. EXECUTION
- A. CABLING SHALL BE INSTALLED CONCEALED IN CONSTRUCTION.
 - B. MAKE ALL TERMINATIONS.
 - C. CABLING SHALL BE UL LISTED FOR ITS INTENDED USE AND SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES FROM THE CURRENT APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC)(NFPA 70).