DR. BAILEY DENTAL

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DRAWING INDEX

PROJECT DIRECTORY

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PROJECT INFORMATION

THESE DRAWINGS ARE PART OF A SET OF CONSTRUCTION DOCUMENTS. THE CONSTRUCTION DOCUMENTS CONSIST OF ONE OR MORE OF THE FOLLOWING ELEMENTS:

- CONSTRUCTION DRAWINGS
- SPECIFICATIONS
- STRUCTURAL CALCULATIONS
- CONTRACT FORMS AND CONDITIONS
- ADDENDA
- MODIFICATIONS AND REVISIONS

CONTRACTORS, SUBCONTRACTORS, AND OTHERS WHO PROVIDE LABOR AND/OR MATERIALS REFERENCING THESE DRAWINGS ARE RESPONSIBLE FOR OBTAINING AND REVIEWING ALL CURRENT CONSTRUCTION DOCUMENTS.

CONTRACTORS, SUBCONTRACTORS, AND OTHERS ARE TO REPORT ANY DISCREPANCIES OR ERRORS TO JZW ARCHITECTS IMMEDIATELY. ANY CHANGES TO THE PROJECT WILL BE VERIFIED WITH THE OWNER BY THE ARCHITECT AND REVISIONS WILL BE ISSUED BY ARCHITECT. CONTRACTORS ARE NOT TO MAKE ALTERATIONS OF ANY KIND WITHOUT THE PRIOR WRITTEN CONSENT OF ARCHITECT. DISCREPANCIES NOT REPORTED IMMEDIATELY ARE RESPONSIBILITY OF CONTRACTOR.

CONTRACTORS SHALL NOT SCALE FROM DRAWINGS. DIMENSIONS ARE PROVIDED TO ALLOW FOR ACCURATE CONSTRUCTION OF BUILDING. QUESTIONS ARISING FROM DIMENSIONS SHOULD BE RESOLVED BY CONTACTING ARCHITECT.

DEFERRED SUBMITTALS

FIRE SPRINKLER DESIGN

CODE SUMMARY

APPLICABLE CODES:
2021 INTERNATIONAL BUILDING CODE. (I.B.C.)
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2020 NATIONAL ELECTRIC CODE

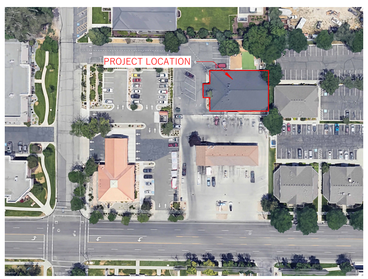
PROJECT LOCATION:
DRAPER, UT

CONSTRUCTION TYPE:
EXISTING

SPRINKLER SYSTEM:
LIMITED TO GAS STORAGE CLOSET

BUILDING AREAS:
TOTAL: 5,828 SF

VICINITY MAP



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ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WARNICK
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

COVER SHEET

G0.0

JZW ARCHITECTS

GENERAL PROJECT NOTES

1. DRAWINGS ARE NOT TO BE SCALED. IF THERE ARE ANY MISSING DIMENSIONS OR CONFLICTS, PLEASE CLARIFY AND COORDINATE WITH ARCHITECT.

2. FIELD VERIFY ALL DIMENSIONS, AND NOTIFY ARCHITECT/OWNER FOR ANY DISCREPANCIES.

3. ALL DIMENSIONS ARE TAKEN FROM EDGE OF STUD OR EDGE OF CONCRETE, UNLESS NOTED OTHERWISE.

4. STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, ELECTRICAL, INTERIOR DESIGN, LANDSCAPE ARCHITECTURE AND FIRE PROTECTION (IF REQUIRED) DRAWINGS ARE PROVIDED BY OTHERS. THE CONTRACTOR SHALL REVIEW ALL THE DRAWINGS AND CHECK THEM FOR GENERAL COMPLIANCE WITH THE ARCHITECTURAL DRAWINGS AND SHALL REPORT ANY DISCREPANCIES FOUND BETWEEN ANY OF THE DIFFERENT DISCIPLINES AND DRAWINGS TO THE ARCHITECT. ANY WORK PERFORMED AND/OR CONSTRUCTION COMPLETED THAT IS IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS WILL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

5. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING ANY WORK AND SHALL INFORM ARCHITECT OF ANY DISCREPANCIES/DIFFERENCES THAT MAY EXIST BETWEEN THE FIELD/SITE CONDITIONS, THE CONSTRUCTION DOCUMENTS AND THE SPECIFICATIONS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ADDITIONAL CONDITIONS THAT MAY EXIST IN THE FIELD/SITE THAT HAVE NOT BEEN COVERED IN THE CONSTRUCTION DOCUMENTS PRIOR TO COMMENCING WITH ANY WORK THAT COULD BE AFFECTED BY SUCH CONDITIONS.

6. ANY CHANGES TO THE CONSTRUCTION DOCUMENTS MUST BE REVIEWED AND APPROVED BY THE ARCHITECT. THE CONTRACTOR CAN NOT MAKE ANY CHANGES WITHOUT WRITTEN/DOCUMENTED APPROVAL FROM THE OWNER/ARCHITECT.

7. THE CONTRACTOR SHALL BE LICENSED, INSURED AND BONDED IN PRESIDING JURISDICTION AND SHALL PROVIDE DOCUMENTATION THEREOF UPON OWNER/ARCHITECT'S REQUEST.

8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL BUILDING CODES, INTERNATIONAL BUILDING CODES, ACCESSIBILITY REQUIREMENTS (ADA) AND SAFETY REGULATIONS (OSHA). THE CONTRACTOR IS RESPONSIBLE FOR SECURING AND PAYING FOR ALL PERMITS REQUIRED FOR ANY/ALL WORK AND FOR THE SCHEDULING/COORDINATION OF ANY/ALL REQUIRED INSPECTION.

9. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ANY EXISTING CONDITIONS OR WORK ALREADY COMPLETED AND BE RESPONSIBLE FOR ANY DAMAGES ON SUCH CAUSED BY THE CONTRACTOR OR ANYONE CONTRACTED/SUPERVISED BY THE CONTRACTOR. ANY ITEMS AND/OR AREAS THAT ARE DAMAGED AS A RESULT OF WORK AND/OR NEGLIGENCE WILL BE REPAIRED OR REPLACED AS NECESSARY AT THE CONTRACTORS OWN COST TO RESTORE SAID ITEMS/AREAS TO THEIR ORIGINAL CONDITION PRIOR TO THE DAMAGE.

10. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING OR PREVIOUSLY COMPLETED WORK IS KEPT CLEAN AND PROTECTED FROM ALL WORK RELATED DIRT AND DEBRIS AND WILL CLEAN ANY ITEMS/AREAS THAT BECOME DIRTY AS A RESULT OF WORK AND/OR NEGLIGENCE.

11. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT AND OWNER WITH MANUFACTURER'S CUT SHEETS AND SPECIFICATIONS FOR ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: APPLIANCES, LIGHT FIXTURES, PLUMBING FIXTURES, ELECTRICAL EQUIPMENT, HVAC EQUIPMENT, HARDWARE, SECURITY EQUIPMENT.

12. THE CONTRACTOR SHALL NOT PROCEED WITH WORK FOR WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT AND OWNER. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE A CLAIM FOR EXTRA COMPENSATION. THE CONTRACTOR SHALL NOT PROCEED WITH WORK WHICH, IF COMPLETED IN STRICT CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, WILL RESULT IN ADDITIONAL WORK BEYOND THE SCOPE OF THE CONTRACT WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT AND OWNER. ANY FIELD CONDITIONS THAT SIGNIFICANTLY VARY FROM THE CONTRACT DOCUMENTS OR THAT WILL RESULT IN ADDITIONAL WORK, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

13. CONTRACTOR SHALL PROVIDE THE DESIGN TEAM WITH A CONSTRUCTION SCHEDULE. THE CONSTRUCTION SCHEDULE SHALL BREAK DOWN ALL THE TRADES AND PROVIDE A COMPLETION DATE FOR EACH INDIVIDUAL TRADE AS WELL AS SUBSTANTIAL AND FINAL COMPLETION DATES. ANY LONG LEAD TIME ITEMS THAT WILL AFFECT THE SUBSTANTIAL COMPLETION DATE SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.

14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT WORK IS SCHEDULED IN SUCH A MANNER THAT WILL ALLOW ALL MATERIALS AND EQUIPMENT TO BE LOCATED AND INSTALLED WITHOUT NEEDING TO MODIFY OR DEMOLISH WORK THAT HAS ALREADY BEEN INSTALLED/CONSTRUCTED. IF ANY DEMOLITION OR MODIFICATIONS ARE NECESSARY FOR WORK TO PROCEED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE IN SCHEDULING WORK, THE CONTRACTOR WILL PAY FOR ALL SUCH CHANGES AT THE CONTRACTOR'S OWN COST.

15. THE FINISHED WORK SHALL BE FIRM, WELL-ANCHORED, IN TRUE ALIGNMENT, PLUMB, LEVEL, WITH SMOOTH, CLEAN, UNIFORM, APPEARANCE WITHOUT WAVES, DISTORTIONS, HOLES, MARKS CRACKS, STAINS, OR DISCOLORATION (AS APPLICABLE TO WORK OR PRODUCT). JOINTING SHALL BE CLOSE FITTING, NEAT AND WELL SCRIBED. THE FINISHED WORK SHALL HAVE NO EXPOSED UNSIGHTLY ANCHORS OR FASTENERS AND SHALL NOT PRESENT HAZARDOUS, UNSAFE CORNERS. ALL WORK SHALL HAVE THE PROVISION FOR EXPANSION, CONTRACTION AND SHRINKAGE AS NECESSARY TO PREVENT CRACKS, BUCKLING, AND WARPING DUE TO TEMPERATURE AND HUMIDITY CONDITIONS.

16. THE CONTRACTOR SHALL SUBMIT ALL SUBMITTALS (SHOP DRAWINGS AND SAMPLES) TO THE ARCHITECT IN A TIMELY MANNER THAT WILL ALLOW THE ARCHITECT AND APPLICABLE CONSULTANTS ADEQUATE TIME TO REVIEW AND PROCESS THE SUBMITTAL(S) WITHOUT CAUSING ANY DELAYS IN CONSTRUCTION. SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, MILLWORK, DOORS & FRAMES, FLOOR/WALL/CEILING FINISHES, HVAC EQUIPMENT, PLUMBING FIXTURES, ELECTRICAL FIXTURES, TOILET ACCESSORIES, WATERPROOFING, FLASHING AND DOOR HARDWARE.

17. NO VINYL ASBESTOS OR OTHER HAZARDOUS MATERIALS SHALL BE INSTALLED AS PART OF THIS WORK. ALL STRICTLY REGULATED MATERIALS SHALL MEET ALL STATE AND FEDERAL REGULATIONS.

18. THE CONTRACTOR SHALL MAINTAIN A COMPLETE “AS-BUILT” DRAWING SET FOR SUBMITTAL TO THE OWNER UPON COMPLETION OF CONSTRUCTION. THIS SET SHOULD INCLUDE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE SUPPRESSION AND SECURITY SYSTEM DRAWINGS.

19. ALL ABANDONED MISCELLANEOUS NAILS, HANGERS, STAPLES, WIRES, CONDUITS AND DEBRIS SHALL BE REMOVED FROM THE WALLS, FLOORS AND AREAS OF EXPOSED CEILINGS.

20. ALL CONSTRUCTION SHALL MEET THE CONSTRUCTION STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE INTERNATIONAL RESIDENTIAL CODE. CONSTRUCTION SHALL MEET ALL REQUIREMENTS AND CODES AS ADOPTED AND ENFORCED BY LOCAL GOVERNING BUILDING DEPARTMENT.

21. GENERAL CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST IN LOCATIONS OF ANY AND ALL MECHANICAL, TELEPHONE, ELECTRICAL, PLUMBING AND SPRINKLER EQUIPMENT (TO INCLUDE ALL PIPING, DUCT WORK, SPRINKLERS STRUCTURAL MEMBERS AND CONDUIT) AND THAT CLEARANCES FOR INSTALLATION AND MAINTENANCE OF ABOVE EQUIPMENT IS PROVIDED. ELEMENTS IN CONFLICT SHALL BE DETERMINED AND REVIEWED WITH THE ARCHITECT PRIOR TO WORK PROCEEDING. CONTRACTOR TO COORDINATE ALL NEW WORK WITH ALL EXISTING CONDITIONS.

22. THE GENERAL CONTRACTOR SHALL EXERCISE EXTREME CARE AND PRECAUTION DURING THE CONSTRUCTION OF THE WORK, AND SCHEDULE WORK, TO MINIMIZE DISTURBANCES TO ADJACENT SPACES AND /OR STRUCTURES AND THEIR OCCUPANTS, PROPERTY, PUBLIC THOROUGHFARES, ETC. THE GENERAL CONTRACTOR SHALL TAKE PRECAUTIONS AND BE RESPONSIBLE FOR THE SAFETY OF ALL BUILDING OCCUPANTS FROM CONSTRUCTION PROCEDURES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY OVERTIME COSTS INCURRED THEREBY.

23. ALL DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS WHEN POSSIBLE. UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS FROM THE BUILDING CREATED BY THE WORK PROVIDED UNDER THIS CONTRACT AND LEAVE ALL AREAS CLEAN. TRASH IS NOT PERMITTED TO BE BURNED ON SITE.

24. SEE STRUCTURAL CALCULATIONS FOR ADDITIONAL GENERAL STRUCTURAL NOTES AND REQUIREMENTS. ANY NOTES AND/OR REQUIREMENTS FROM STRUCTURAL ENGINEER SHALL GOVERN EXCEPT WHEN REQUIREMENTS SET FORTH IN THIS SPECIFICATION EXCEED ENGINEER'S REQUIREMENTS.

25. ALL WALL TYPES ARE CONTINUOUS ABOVE AND BELOW OPENINGS, UNLESS NOTED OTHERWISE

GENERAL SITE NOTES

1. ALL FINISH GRADING TO SLOPE AWAY FROM PROPOSED STRUCTURES AT 5% SLOPE (MIN.) FOR A MINIMUM OF 10'-0" FROM BUILDING.

2. DRAINAGE PATTERN OF FINISH GRADING SHALL NOT CHANGE DRAINAGE PATTERN ONTO ADJACENT LOTS.

GENERAL CONCRETE NOTES

1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (I.B.C.), AND LOCAL ORDINANCES.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO POURING CONCRETE.

3. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS AND INSTALL ALL NECESSARY PIPES, SLEEVES, CONDUITS, BLOCK-OUTS, ETC. PRIOR TO POURING CONCRETE.

4. CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED AND AS COORDINATED WITH STRUCTURAL ENGINEER. BRACE WALLS, FLOORS, ROOFS AS REQUIRED UNTIL NEW SCHEDULED CONSTRUCTION IS IN PLACE.

5. SEE STRUCTURAL CALCULATIONS FOR ADDITIONAL STRUCTURAL MEMBER REQUIREMENTS.

6. SEE STRUCTURAL DRAWINGS FOR MINIMUM FROST DEPTH FOR ALL STRUCTURAL FOOTINGS.

7. COORDINATE TOP OF CONCRETE & BOTTOM OF FOOTING ELEVATIONS WITH STRUCTURAL DRAWINGS, SECTIONS, FOOTING & FOUNDATION PLAN, AND ELEVATIONS.

8. FOOTINGS, FOUNDATION, AND SLABS SHALL BE CONSTRUCTED ON PROPERLY PREPARED MATERIAL AS SPECIFIED IN STRUCTURAL DRAWINGS AND CALCULATIONS. SUB-BASE TO BE UNDISTURBED, NATURAL SOILS OR ENGINEERED FILL PER THE SOILS ENGINEER'S RECOMMENDATIONS. ENGINEERED FILL SHALL BE TESTED AND APPROVED BY A LICENSED SOILS ENGINEER.

9. WHERE NOT SPECIFIED IN STRUCTURAL DRAWINGS, PROVIDE A MINIMUM OF 4" GRANULAR FILL UNDER ALL SLABS.

10. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI DETAILING MANUAL AND CURRENT ACI STANDARDS.

11. WHERE NOT SPECIFIED IN STRUCTURAL DRAWINGS, PROVIDE #4 BARS @ 18" O.C. EACH WAY 1" CLEAR FROM TOP. TYPICAL ALL SLABS ON GRADE.

12. WHERE NOT SPECIFIED IN STRUCTURAL DRAWINGS/CALCULATIONS, ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS. FLAT SLABS AND CONCRETE RETAINING WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I.

13. RECESS FOUNDATION WALL AND POUR SLAB THROUGH AT ALL GARAGE DOORS AND OTHER DOORS THAT ARE LOWER THAN THE TOP OF FOUNDATION WALL, AS INDICATED ON FOOTING AND FOUNDATION PLAN.

14. PROVIDE ISOLATION JOINTS AROUND COLUMNS, SPREAD FOOTINGS, CONTROL JOINTS, ETC. AS REQUIRED.

15. GARAGE FLOOR TO HAVE 2% SLOPE (MIN.) TOWARD EXTERIOR GARAGE DOORS.

16. HOLD DOWNS SHALL BE POSITIONED AS INDICATED BY STRUCTURAL ENGINEER.

17. CONTRACTOR IS RESPONSIBLE FOR PROPER LOCATING AND PLACING OF ALL ANCHOR BOLTS, HOLD DOWNS, ANCHORS, STRAPS, ETC. AS COORDINATED WITH STRUCTURAL DRAWINGS, INSTALL PER MANUFACTURER'S SPECIFICATIONS.

GENERAL MASONRY NOTES

1. OWNER/ARCHITECT TO SELECT FINISH MASONRY MATERIALS AND COLORS.

2. MASONRY WALLS TO BE CONSTRUCTED AS DETAILED IN THE STRUCTURAL DRAWINGS.

GENERAL FRAMING NOTES

1. COORDINATE ALL FLOOR FRAMING WITH FLOOR PLANS AND SECTIONS TO VERIFY STEPS AND/OR OPENINGS IN FLOOR FRAMING.

2. CONTRACTOR TO FOLLOW STRUCTURAL DRAWINGS FOR ALL FRAMING MEMBER SIZES, LOCATIONS, LOAD PATHS, AND ADDITIONAL STRUCTURAL MEMBER REQUIREMENTS.

3. ALL DIMENSIONS AND CONDITIONS TO BE FIELD VERIFIED BY THE CONTRACTOR, AND ANY DISCREPANCIES REPORTED TO THE ARCHITECT, PRIOR TO COMMENCING WITH ANY WORK.

4. PROVIDE SHOP DRAWINGS (TO BE REVIEWED BY ARCHITECT AND STRUCTURAL ENGINEER) FOR ALL STRUCTURAL STEEL.

5. FRAMING SHALL BE AS INDICATED IN STRUCTURAL PLANS. CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM ARCHITECT FOR ANY VARIATIONS FROM THESE PLANS.

6. ALL STRUCTURAL PLYWOOD SHALL BE STRUCTURAL GRADE I OR STRUCTURAL GRADE II, UNLESS NOTED OTHERWISE BY THE STRUCTURAL ENGINEER.

7. ALL JOISTS, RAFTERS BEAMS, HEADERS AND COLUMNS SHALL BE DOUGLAS FIR LARCH NO.2 OR BETTER, UNLESS NOTED OTHERWISE.

8. ALL LUMBER IN CONTACT WITH CONCRETE OR WITHIN 6" OF EARTH SHALL BE EITHER FOUNDATION REDWOOD MARKED BY THE REDWOOD INSPECTION SERVICE OR PRESSURE TREATED LUMBER.

9. ALL STRUCTURAL MEMBER CONNECTIONS PER STRUCTURAL DETAILS AND SPECIFICATIONS. NOTIFY ARCHITECT FOR ANY MISSING DETAILS.

10. COORDINATE SHEATHING REQUIREMENTS WITH SHEAR WALL SCHEDULES IN STRUCTURAL DRAWINGS AND STRUCTURAL CALCULATIONS.

11. NAILS, SCREWS OR OTHER APPROVED SHEATHING CONNECTIONS SHALL BE DRIVEN FLUSH BUT NOT BREAK THE SURFACE OF THE SHEATHING. NAIL/SCREW ALL SHEAR WALLS AS SPECIFIED IN STRUCTURAL DRAWINGS AND CALCULATIONS.

12. SEE CURRENT EDITION OF THE INTERNATIONAL RESIDENTIAL CODE FOR ADDITIONAL STANDARD NAILING/FASTENER REQUIREMENTS.

13. ALL FLOOR SHEATHING SHALL BE GLUED AND SCREWED IN PLACE.

14. ALL ROOF PITCHES TO BE AS NOTED ON THE ROOF PLAN.

15. COMPLETELY SHEATH ROOF UNDER OVER BUILD AREAS PRIOR TO FRAMING OVERBUILD. OVER BUILD AREAS TO BE FRAMED AS PER STRUCTURAL DETAILS. FRAME TO AVOID POINT LOADS ON ROOF.

16. CONTRACTOR TO PROVIDE AND INSTALL SOLID BLOCKING NECESSARY FOR ALL WALL AND CEILING MOUNTED FIXTURES, MILLWORK AND ANY OTHER ELEMENTS REQUIRING BLOCKING.

17. ALL WOOD BEAMS/COLUMNS THAT ARE NOT COVERED BY A ROOF, SHALL BE TREATED WITH PRESERVATIVE AND FLASHING APPLIED TO THE TOP OF THE BEAMS/COLUMNS.

18. COORDINATE CEILING, WALL AND FLOOR ACCESS HATCH/PANEL LOCATIONS, SIZES AND DETAILS W/ MEP ENGINEER/CONTRACTOR AND STRUCTURAL ENGINEER.

THERMAL & MOISTURE PROTECTION NOTES

1. EXTERIOR WALL FRAMING CORNERS SHALL BE FRAMED AS "CALIFORNIA" CORNERS TO ALLOW FOR CORNER INSULATION, UNLESS NOTED OTHERWISE.

2. AIRTIGHT DRYWALL SYSTEMS SHALL BE USED. USE VAPOR BARRIERS AT WARM SIDE OF ALL EXTERIOR WALLS, UNLESS CLOSED-CELL SPRAY FOAM INSULATION IS SPECIFIED, OR UNLESS NOTED OTHERWISE.

3. ALL EXTERIOR WALLS TO BE INSULATED WITH INSULATION AS INDICATED ON DRAWINGS AND RESCHECK.

4. INSULATE AT ALL FLOOR/CEILING ASSEMBLY CONNECTIONS. (I.E. BEHIND RIM BOARDS AND JOIST BEARING LOCATIONS)

5. PROVIDE MINIMUM 2" RIGID FOUNDATION INSULATION AT INSIDE OF FOUNDATION WALLS, UNLESS NOTED OTHERWISE.

6. ALL EXTERIOR DOORS SHALL BE WEATHER STRIPPED AND AIR TIGHT ASSEMBLIES.

7. SEAL AROUND ALL ELECTRICAL, PLUMBING, OR MECHANICAL PENETRATIONS AT EXTERIOR WALLS AND IN CEILING/FLOOR OR CEILING/ROOF ASSEMBLIES.

8. CAULK AROUND ALL EXTERIOR WALL, DOOR AND WINDOW PENETRATIONS.

9. PROVIDE 4" PERFORATED DRAIN PIPE ON CRUSHED ROCK BED AT FOOTING PERIMETER, UNLESS NOTED OTHERWISE. DRAIN TO SUMP, UNLESS NOTED OTHERWISE.

10. APPLY ASPHALT WATERPROOFING, UNLESS NOTED OTHERWISE, TO ALL FOUNDATION WALLS. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.

11. COVER SHEATHING OF ALL EXTERIOR WALLS WITH CONTINUOUS TYVEK DRAIN WRAP OR APPROVED EQUAL, UNLESS NOTED OTHERWISE.

12. CONTRACTOR TO VERIFY, COORDINATE AND LOCATE ALL NECESSARY ROOF VENTS, EXHAUSTS AND ALL OTHER ROOF PENETRATIONS AND FLASH/SEAL ALL PENETRATIONS PER MEP ENGINEER'S DETAILS, AND CODE REQUIREMENTS.

13. INSTALL GRACE ICE & WATER SHIELD (OR APPROVED EQUAL) 3' UP FROM ALL EAVES, 3' UP ON BOTH SIDES OF ALL VALLEYS AND 3' DOWN ON BOTH SIDES OF ALL RIDGES, UNLESS NOTED OTHERWISE.

14. ALL ROOF RIDGE, VALLEY, EAVE, RAKE AND TRANSITIONAL FLASHING DETAILS PER ROOF MANUFACTURER'S DETAILS AND RECOMMENDATIONS.

15. PROVIDE FLASHING AT BASE OF ALL WALL VENEERS AND BETWEEN DIFFERENT VENEER TRANSITIONS AS SHOWN IN DETAILS AND/OR PER MANUFACTURER'S SPECIFICATIONS.

GENERAL WINDOW AND DOOR NOTES

1. CONTRACTOR TO COORDINATE WINDOW AND DOOR ROUGH OPENING SIZES AND REQUIREMENTS WITH DOOR AND WINDOW MANUFACTURERS.

2. ALL WINDOW AND DOOR SIZES AS PER DOOR/WINDOW SCHEDULE AND DOOR/WINDOW TYPES. EXACT SIZES AND DETAILS MAY VARY PER MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

3. WINDOW AND DOOR MANUFACTURERS TO BE SELECTED BY OWNER/ARCHITECT.

4. ALL WINDOW AND DOOR FINISH, HARDWARE AND TRIM COLORS TO BE SELECTED BY OWNER/ARCHITECT.

5. ALL GLASS IN DOORS, SIDELIGHT UNITS, OR WINDOWS WITHIN 5'-0" OF A BATHTUB, SHOWER ENCLOSURE OR SPA, OR WITHIN 1'-6" FROM THE FLOOR/GROUND SHALL BE TEMPERED GLASS ACCORDING TO CURRENT INTERNATIONAL RESIDENTIAL CODE REQUIREMENTS.

GENERAL FINISH NOTES

1. ALL INTERIOR FINISHES, INCLUDING FLOOR, WALL AND CEILING FINISHES, ARE TO BE APPROVED THROUGH THE SUBMITTAL PROCESS BY THE OWNER PRIOR TO COMMENCEMENT OF ANY RELATED FINISH WORK.

2. VERIFY AND COORDINATE ALL INTERIOR FINISHES WITH OWNER AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3. COORDINATE CABINET DESIGN, CONSTRUCTION AND INSTALLATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS. OWNER TO SELECT CABINET MANUFACTURER, STYLES, FINISHES, AND COLORS. OWNER TO APPROVAL CABINETRY SHOP DRAWINGS PRIOR TO FABRICATION.

4. OWNER TO SELECT ALL FINISH MATERIALS, COLORS, HARDWARE, FIXTURES, APPLIANCES, ETC. CONTRACTOR TO INSTALL AS COORDINATED W/ OWNER AND PER MANUFACTURER'S SPECIFICATIONS.

5. OWNER TO SELECT CLOSET ORGANIZER SYSTEMS. COORDINATE CLOSET DESIGN WITH ELECTRICAL AS REQUIRED.

6. RAILING REQUIREMENTS PER I.B.C.. VERTICAL BALUSTERS/PICKETS/POSTS TO BE 4" O.C. MAXIMUM, AND SHALL NOT ALLOW A 4" SPHERE TO PASS THROUGH. ALL HANDRAILS TO BE 34"-38" ABOVE NOSING OF TREADS PER I.B.C.

7. PROVIDE BLOCKING IN WALLS, FLOORS AND CEILINGS AS NEEDED FOR MILLWORK, EQUIPMENT, FIXTURES, ETC.

GENERAL EQUIPMENT AND SPECIALTY NOTES

1. THE U.L. LISTING FOR ALL FIREPLACES AND CHIMNEY SHROUDS SHALL BE PROVIDED AT MECHANICAL INSPECTION. ALL FIREPLACES, CHIMNEYS, FLUES, AND SHROUDS (AS APPLICABLE) ARE TO BE INSTALLED WITH SEISMIC ATTACHMENTS AS SPECIFIED BY THE MANUFACTURER.

GENERAL FIRE PROTECTION NOTES

1. AT ALL RATED WALLS STEEL ELECTRICAL BOXES SHALL NOT EXCEED 16 SQUARE INCHES AND SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL, AND SHALL BE SEPARATED BY A MIN. HORIZONTAL DISTANCE OF 24 INCHES WHEN ON OPPOSITE SIDES OF RATED ASSEMBLY. AS REQUIRED BY THE IRC.

2. PROVIDE CODE-REQUIRED, VERTICAL & HORIZONTAL, DRAFTSTOPPING WITHIN THE WALL CAVITY, AT JOIST SYSTEMS, AND HORIZONTAL-TO-VERTICAL CHASES (WHERE APPLICABLE), AT A MAX. OF 10 FEET O.C.

3. FIREBLOCKING SHALL BE PROVIDED AT PENETRATIONS / OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, W/ AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS.

4. INSTALL FIRE SPRINKLER SYSTEM(S) AS REQUIRED BY THE INTERNATIONAL RESIDENTIAL CODE AND/OR LOCAL JURISDICTION REQUIREMENTS.

GENERAL PLUMBING NOTES (WHERE APPLICABLE)

1. ALL MECHANICAL, ELECTRICAL, PLUMBING (MEP) ITEMS, SUCH AS EQUIPMENT, FIXTURES, PIPING, WIRING, SWITCHES, ETC....IS FOR GENERAL DESIGN AND LAYOUT PURPOSES ONLY. MEP ENGINEER/CONTRACTOR AND GENERAL CONTRACTOR TO VERIFY, SPECIFY AND COORDINATE ALL MEP EQUIPMENT, FIXTURES, SPECIFICATIONS, DETAILS, ETC...

2. ALL TANK TYPE WATER CLOSETS TO HAVE A FLOW RATE OF NOT MORE THAN 1.6 GALLONS PER FLUSH.

3. ALL PLUMBING VENTS THROUGH THE ROOF TO BE MINIMUM 3" PIPE.

4. ISOLATE / SEPARATE VERTICAL PIPING W/ PADDING AND SECURE THE BRACING OVER THE PADDING, TO AVOID VIBRATION AND SOUND TRANSMISSION.

5. WRAP SEWER AND WASTE STACKS W/ ACOUSTICAL BLANKET.

GENERAL MECHANICAL NOTES (WHERE APPLICABLE)

1. ALL MECHANICAL, ELECTRICAL, PLUMBING (MEP) ITEMS, SUCH AS EQUIPMENT, FIXTURES, PIPING, WIRING, SWITCHES, ETC....IS FOR GENERAL DESIGN AND LAYOUT PURPOSES ONLY. MEP ENGINEER/CONTRACTOR AND GENERAL CONTRACTOR TO VERIFY, SPECIFY AND COORDINATE ALL MEP EQUIPMENT, FIXTURES, SPECIFICATIONS, DETAILS, ETC...

2. PROVIDE A COMFORT HEATING SYSTEM CAPABLE OF MAINTAINING 68 DEG. F. AT A POINT 36 INCHES ABOVE THE FLOOR IN ALL ROOMS. GENERALLY EQUIPMENT CANNOT BE INSTALLED IN SLEEPING ROOMS OR BATHROOMS.

3. COMBUSTION AIR FOR ALL FUEL-BURNING APPLIANCES TO BE MINIMUM RATE OF 1 SQ. INCH PER 3000 BTU/HOUR INPUT. ONE OPENING MUST BE IN THE TOP 12 INCHES OF THE ROOM. 1 INCH CLEARANCE AROUND EQUIPMENT AT SIDES AND REAR OF THE APPLIANCE. MINIMUM 6 INCH CLEARANCE IN FRONT OF APPLIANCE.

4. GAS LOGS AND GAS APPLIANCES SHALL HAVE A SHUT-OFF VALVE WITHIN 6 FEET OF APPLIANCE.

5. FUEL-BURNING APPLIANCES ARE NOT PERMITTED TO BE INSTALLED IN SLEEPING ROOMS, BATHROOMS, OR TOILET ROOMS UNLESS THE APPLIANCES ARE DIRECT VENT APPLIANCES.

6. FUEL-FIRED WATER HEATERS SHALL NOT BE INSTALLED IN A ROOM USED AS A STORAGE CLOSET. NON-DIRECT-VENT WATER HEATERS LOCATED IN A BEDROOM OR BATHROOM SHALL BE INSTALLED IN A SEALED ENCLOSURE SO THAT COMBUSTION AIR WILL NOT BE TAKEN FROM THE LIVING SPACE.

7. APPLIANCES HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18 INCHES ABOVE THE FLOOR IN GARAGES. ROOMS OR SPACES THAT ARE NOT PART OF THE LIVING SPACE OF A DWELLING UNIT AND THAT COMMUNICATE WITH A PRIVATE GARAGE THROUGH OPENINGS SHALL BE CONSIDERED TO BE PART OF THE GARAGE.

8. SUBMIT LAYOUT PLANS, DESIGN CALCULATIONS, AND PRODUCT SPECIFICATIONS TO CITY / COUNTY FOR ANY RADIANT HEAT SYSTEMS USED (PER IRC). NO SNOW MELT TUBING OR MESH IS PERMITTED IN THE PUBLIC RIGHT-OF-WAY WITHOUT A SEPARATE PERMIT FROM THE CITY / COUNTY ENGINEER.

9. INSULATE HEATING TRUNK AND BRANCH SUPPLY DUCTS IN UNFINISHED AREAS, CRAWL SPACES, ATTICS, UNHEATED GARAGES, ETC..

10. VENT THE DRYER TO THE OUTSIDE. MAXIMUM LENGTH OF THE DUCT WITH TWO 90 DEGREE ELBOWS IS 15 FEET. PROVIDE MAKEUP AIR TO LAUNDRY ROOM. NO FASTENERS SHALL PENETRATE INTO THE DRYER VENT.

11. IF GAS PIPE SYSTEM IS OVER 4 OUNCES PRESSURE, PROVIDE A GAS PIPING SCHEMATIC FOR THE SYSTEM, INCLUDING CLEARLY IDENTIFIED OPERATING PRESSURE, TYPE OF PIPING MATERIAL, SIZE OF THE GAS PIPE, LENGTHS OF THE PIPING RUNS, CAPACITY OF EACH APPLIANCE IN BTU'S/HOUR OR CUBIC FEET OF GAS PER HOUR, THE BRAND AND LOCATION OF EACH REGULATOR, AND VENTING OF EACH REGULATOR PER IRC.

12. EXHAUST HOOD SYSTEMS CAPABLE OF EXHAUSTING IN EXCESS OF 400 CFM (0.19 M3/S) SHALL BE PROVIDED WITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE. SUCH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED WITH A MEANS OF CLOSURE AND SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY WITH THE EXHAUST SYSTEM.

13. GAS PIPING PLAN AND ANY REQUIRED CITY/COUNTY GAS LINE INSTALLATION FORMS SHALL BE ON SITE FOR GAS LINE AND METER INSPECTION.

14. PROHIBITED GAS PIPING LOCATIONS: GAS PIPING SHALL NOT BE INSTALLED IN OR THROUGH A DUCTED SUPPLY, RETURN, EXHAUST, CLOTHES CHUTE, CHIMNEY, DUMBWAITER, OR ELEVATOR SHAFT. GAS PIPING INSTALLED DOWNSTREAM OF THE POINT OF DELIVERY SHALL NOT EXTEND THROUGH ANY TOWNHOUSE UNIT OTHER THAN THE UNIT SERVED BY SUCH PIPING.

15. GAS PIPING SHALL NOT PENETRATE BUILDING FOUNDATION WALLS AT ANY POINT BELOW GRADE.

16. GAS APPLIANCES SHALL NOT BE LOCATED IN SLEEPING ROOMS, BATHROOMS, TOILET ROOMS, STORAGE ROOM OR A SPACE THAT OPENS INTO SUCH ROOMS.

17. GAS PIPING INSTALLED UNDERGROUND BENEATH BUILDINGS IS PROHIBITED EXCEPT WHERE THE PIPING IS ENCASED IN A CONDUIT. SUCH CONDUIT SHALL EXTEND NOT LESS THAN 4” OUTSIDE THE BUILDING, SHALL BE VENTED ABOVE GRADE TO THE OUTDOORS AND SHALL BE INSTALLED SO AS TO PREVENT THE ENTRANCE OF WATER OR INSECTS.

18. DUCT TESTING WILL BE REQUIRED WHERE AIR HANDLERS OR MORE THAN 25% OF THE DUCT WORK IS OUTSIDE OF THE THERMAL ENVELOPE.

19. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE W/ THE MOST RESTRICTIVE OF LOCAL REGULATIONS.

GENERAL MECHANICAL NOTES (WHERE APPLICABLE)

1. ALL MECHANICAL, ELECTRICAL, PLUMBING (MEP) ITEMS, SUCH AS EQUIPMENT, FIXTURES, PIPING, WIRING, SWITCHES, ETC....IS FOR GENERAL DESIGN AND LAYOUT PURPOSES ONLY. MEP ENGINEER/CONTRACTOR AND GENERAL CONTRACTOR TO VERIFY, SPECIFY AND COORDINATE ALL MEP EQUIPMENT, FIXTURES, SPECIFICATIONS, DETAILS, ETC...

2. ALL WORK DONE BY ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODE REGULATIONS. THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMITY WITH THESE REGULATIONS WHETHER OR NOT SUCH WORK IS SPECIFICALLY SHOWN ON DRAWINGS.

3. THE EXTENT OF WORK SHALL BE AS SHOWN ON DRAWINGS. PERFORMANCE SHALL MEET THE REQUIREMENTS OF THE SPECIFICATIONS. THE WORK CONSISTS OF THE FOLLOWING:

   A. FURNISH AND INSTALL FEEDERS, PANEL BOARDS, RELAY BRANCH CIRCUIT WIRING, CONDUITS, WIRE, AND METER BASE AS SHOWN ON DRAWINGS.
   B. FURNISH AND INSTALL COMPLETE WIRING FOR MOTORS, EXHAUST FAN AS SPECIFIED OR REQUIRED.
   C. FURNISHING AND INSTALLING LINE VOLTAGE CONNECTIONS FOR HEATING AND AIR CONDITION EQUIPMENT.
   D. INSTALLING SPECIALTY LIGHTING FIXTURES SPECIFIED AND TO BE FURNISHED BY OWNER. ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOX AT CEILING.
   E. FURNISH AND INSTALL OUTLET BOXES, COVER PLATES, WALL SWITCHES, FIXTURES AND RECEPTACLES.

4. ELECTRICAL SERVICE CAPACITY AND SIZE SHALL BE COMPUTED BY METHOD INDICATED IN THE I.B.C.

5. ELECTRICAL PANELS OR CABINETS ENCLOSING FUSES, CIRCUIT BREAKERS, SWITCHES OR OTHER ELECTRICAL SERVICE EQUIPMENT SHALL BE IN AN INCONSPICUOUS, ACCESSIBLE, AND PROTECTED LOCATION. SHALL COMPLY WITH IRC.

   A. ELECTRICAL PANELS MUST COMPLY WITH IRC FOR 30 INCHES BY 36 INCHES WORKING SPACE AND 6 FOOT BY 6 FOOT HEADROOM.
   B. ELECTRICAL PANELS ARE NOT ALLOWED IN BATHROOMS OR CLOTHES CLOSETS.

6. ELECTRICAL METER BASE SHALL BE LOCATED IN AN AREA THAT IS PROTECTED FROM OUTSIDE WEATHER. CONTRACTOR TO COORDINATE.

7. LIGHTING FIXTURES

   A. ELECTRICAL CONTRACTOR SHALL INSTALL PERMANENT LIGHTING FIXTURES AS INDICATED ON PLANS. SEE FIXTURE SCHEDULE FOR MANUFACTURER OF FIXTURES.
   B. ALL FIXTURES SHALL HAVE A U.L. LABEL LISTING. IF NOT U.L. LISTED, FIXTURE SHALL NOT BE INSTALLED.
   C. HEIGHT OF LIGHT SWITCHES FROM FINISH FLOOR TO TOP OF SWITCH TO BE 48" TYPICAL UNLESS NOTED ON DRAWINGS. SWITCH LOCATIONS SHALL BE APPROVED PRIOR TO COMMENCEMENT OF WIRING. BOXES SHALL BE INSTALLED FOR APPROVAL OF LOCATION.
   D. ALL RECESSED DOWNLIGHTS TO BE THERMAL RATED, AND ALL CAST IN PLACE TO BE INCLUDED IN BASE BID.
   E. ALL SPECIALTY LIGHTING TO BE COORDINATED WITH ARCHITECT FOR POWER REQUIREMENTS BY ELECTRICAL CONTRACTOR.
   F. ALL RECESSED DOWNLIGHTS TO BE INCLUDED IN BASE BID WITH TRIM RINGS AS SPECIFIED ON FIXTURE SCHEDULE OR BY ARCHITECT/INTERIOR DESIGNER.
   G. ALL LIGHTS IN CLOSETS SHALL COMPLY WITH THE CLEARANCE DIMENSIONS PER IRC.
   H. ALL LIGHTS LOCATED IN WET OR DAMP LOCATIONS SHALL COMPLY PER IRC REQUIREMENTS
   I. FLUSH MOUNT ALL SWITCHES.

8. RECEPTACLE OUTLETS

   A. EXCEPT WHERE OTHERWISE SHOWN ON DRAWINGS, THE MOUNTING FROM THE FLOOR TO CENTER OF OUTLET SHALL BE 12". TELEPHONE OUTLETS SHALL BE 12". AT DESKS AND WORK SURFACES, THE OUTLET SHALL BE 6" ABOVE SURFACE.
   B. ALL OUTLETS WITHIN BATHROOMS, WITHIN 6'-0" OF SINKS, IN GARAGES, AND ALL OUTSIDE OUTLETS SHALL BE G.F.I. TYPE OUTLETS TYPICAL. ALL OUTLETS IN GARAGE TO BE 24" ABOVE FLOOR MINIMUM.
   C. UNLESS NOTED OTHERWISE ON DRAWINGS, LOCATE AND INSTALL ONE G.F.I. WEATHER PROTECTED GRADE LEVEL RECEPTACLE, AND RECEPTACLE OUTSIDE AT SOFFIT AT EACH EXTERIOR DOOR.
   D. FLUSH MOUNT ALL RECEPTACLES.
   E. RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FEET, FROM A RECEPTACLE OUTLET. IF AN ENTIRE RECEPTACLE IS SWITCHED IT DOES NOT COUNT. FLOOR OUTLETS WITHIN 18” OF THE WALL LINE DO COUNT.

9. VENTS:

   A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND WIRING ALL FANS, FAN MOTORS, AS REQUIRED. ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH PER IRC.
   B. ALL VENTILATION FANS SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR. ALL VENTS SHALL MEET PER IRC FOR REQUIREMENTS OF AIR CHANGES.

10. CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL POWER REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL SERVICES FOR MECHANICAL ROOM.

11. ALL DRAWINGS INDICATE LOCATIONS DIAGRAMMATICALLY. LOCATIONS SHALL BE PER APPROPRIATE CODES. CONTRACTOR TO COORDINATE.

12. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES, AND HAVE HIS WORK SCHEDULE SO AS NOT TO DELAY THE WORK OF OTHER TRADES.

13. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND APPROVAL OF WIRING, INSTALLATION OF FIXTURES, AND EQUIPMENT, AND FOR FINAL ACCEPTANCE OF THE COMPLETE ELECTRICAL INSTALLATIONS BY THE UNDERWRITERS AND BY LOCAL ELECTRICAL INSPECTORS. ELECTRICAL CONTRACTOR SHALL PERFORM ALL TESTS AS REQUIRED.

14. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OF ALL ELECTRICAL EQUIPMENT AT COMPLETION OF ELECTRICAL PORTION OF WORK.

15. ALL BRANCH CIRCUITS THAT SUPPLY RECEPTACLE OUTLETS IN BEDROOMS NEED TO BE PROVIDED WITH ARC-FAULT PROTECTION.

16. IN KITCHENS, A MINIMUM OF TWO 20-AMPERE SMALL APPLIANCE BRANCH CIRCUITS SHALL SERVE ALL WALL AND FLOOR RECEPTACLE OUTLETS.

17. IN KITCHEN COUNTER SPACES, A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL COUNTER SPACE 12 INCHES OR WIDER. RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES, MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE. .

18. ALL RECEPTACLES IN GARAGES, OUTDOORS, BATHROOMS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHEN COUNTER- TOPS, LAUNDRY RECEPTACLES WITHIN 6'OF SINK, BAR SINKS, ELECTRICALLY HEATED FLOORS AND BOAT HOUSES SHALL BE GFCI PROTECTED.

19. ALL 15 AND 20 AMP RECEPTACLES WITH-IN THE DWELLING UNIT SHALL BE TAMPER RESISTANT RECEPTACLES.

CONSULTANT

DR. BAILEY DENTAL

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

PROJECT NUMBER:
25082

GENERAL NOTES

G1.1

JZW ARCHITECTS
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CODE ANALYSIS

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
302 - CLASSIFICATION
304.1 - BUSINESS
- PROFESSIONAL SERVICES - DENTISTS

TABLE 307.1(1)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD

MATERIAL	CLASS	STORAGE GAS (CUBIC FEET AT NTP)	USE-CLOSED SYSTEMS GAS (CUBIC FEET AT NTP)
FLAMMABLE GAS	GASEUOUS	1,000	1,000

MEDICAL GAS WILL BE STORED AND USED WITHIN THE FIRE RATED GAS CLOSET. THE TOTAL AMOUNT OF GAS STORED AT ANY GIVEN TIME SHALL NOT EXCEED 1,000 CUBIC FEET.

CHAPTER 4: SPECIAL DETAIL REQUIREMENTS BASED ON OCCUPANCY AND USE
414 - HAZARDOUS MATERIALS
414.2 - CONTROL AREAS
414.2.1 - CONTROL AREAS SHALL BE SEPARATED FROM EACH OTHER BY FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH.
414.2.2 PERCENTAGE OF MAXIMUM ALLOWABLE QUANTITIES
TABLE 414.2.2 - DESIGN AND NUMBER OF CONTROL AREAS

STORY		PERCENTAGE OF THE MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA	NUMBER OF CONTROL AREAS PER STORY	FIRE-RESISTANCE RATING FOR FIRE BARRIERS IN HOURS
ABOVE GRADE PLANE	1	100	4	1

422 - AMBULATORY CARE FACILITIES
422.2 - SEPARATION
AMBULATORY CARE FACILITIES WHERE THE POTENTIAL FOR FOUR OR MORE CARE RECIPIENTS ARE TO BE INCAPABLE OF SELF-PRESERVATION AT ANY TIME SHALL BE SEPARATED FROM ADJACENT SPACES, CORRIDORS OR TENANTS WITH A FIRE PARTITION INSTALLED IN ACCORDANCE WITH SECTION 708.

NO MORE THAN 3 PATIENTS WILL BE INCAPABLE OF SELF-PRESERVATION AT ANY GIVEN TIME.

427 - MEDICAL GAS SYSTEMS
427.2 - INTERIOR SUPPLY LOCATION OF MEDICAL GAS SHALL BE LOCATED IN A 1-HOUR INTERIOR ROOM.
427.2.1 - WHERE AN EXTERIOR WALL CANNOT BE PROVIDED FOR THE ROOM, A 1-HOUR INTERIOR ROOM SHALL BE PROVIDED AND SHALL BE A ROOM OR ENCLOSURE SEPARATED FROM THE REMAINDER OF THE BUILDING BY FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH, WITH A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR. OPENINGS BETWEEN THE ROOM OR ENCLOSURE AND INTERIOR SPACES SHALL BE PROVIDED WITH SELF-CLOSING SMOKE- AND DRAFT-CONTROL ASSEMBLIES HAVING A FIRE PROTECTION RATING OF NOT LESS THAN 1 HOUR. AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED WITHIN THE ROOM. THE ROOM SHALL BE EXHAUSTED THROUGH A DUCT TO THE EXTERIOR. SUPPLY AND EXHAUST DUCTS SHALL BE ENCLOSED IN A 1-HOUR RATED SHAFT ENCLOSURE FROM THE ROOM TO THE EXTERIOR. APPROVED MECHANICAL VENTILATION SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE AND BE PROVIDED WITH A MINIMUM RATE OF 1 CUBIC FOOT PER MINUTE PER SQUARE FOOT (0.00508 M3/S/M2) OF THE AREA OF THE ROOM.

CHAPTER 9: FIRE PROTECTION SYSTEMS
903 - AUTOMATIC SPRINKLER SYSTEMS
903.2 - WHERE REQUIRED, 1 SPRINKLER TO BE PROVIDED IN GAS CLOSET (SEE CHAPTER 4 SECTION 427.2.1)

CHAPTER 10: MEANS OF EGRESS

1003 - MEANS OF EGRESS
1003.2 - CEILING HEIGHT - MINIMUM 7'-6" - REQUIREMENTS: OK
1004 - OCCUPANT LOAD
(SEE OCCUPANCY AND EGRESS WIDTH SCHEDULE)
1005 - EGRESS WIDTH
1005.1 - MINIMUM REQUIRED EGRESS WIDTH
(SEE OCCUPANCY AND EGRESS WIDTH SCHEDULE)
1006 - NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
B - OL <49 - WITH SPRINKLER SYSTEM - TWO EXITS NOT REQUIRED - EXIT ACCESS TRAVEL DISTANCE - 100'
1008 - MEANS OF EGRESS ILLUMINATION
1008.2 - ILLUMINATION REQUIRED AT ALL TIMES ROOM IS OCCUPIED
1008.3 - ILLUMINATION EMERGENCY POWER
- EMERGENCY LIGHTING REQUIRED IN COMMON AREAS AND EGRESS COMPONENTS.
- EMERGENCY LIGHTING DURATION A MIN. OF 90 MINUTES.
1003 - MEANS OF EGRESS
1003.2 - CEILING HEIGHT - MINIMUM 7'-6" - REQUIREMENTS: OK
1004 - OCCUPANT LOAD
(SEE CODE SUMMARY TABLE ON G2.2)
1005 - EGRESS WIDTH
1005.1 - MINIMUM REQUIRED EGRESS WIDTH
(SEE CODE SUMMARY TABLE ON G2.2)
1008 - MEANS OF EGRESS ILLUMINATION
1008.2 - ILLUMINATION REQUIRED AT ALL TIMES ROOM IS OCCUPIED
1008.3 - ILLUMINATION EMERGENCY POWER
- EMERGENCY LIGHTING REQUIRED IN COMMON AREAS AND EGRESS COMPONENTS.
- EMERGENCY LIGHTING DURATION A MIN. OF 90 MINUTES.
1009 - ACCESSIBLE MEANS OF EGRESS
1009.1 - ACCESSIBLE MEANS OF EGRESS REQUIRED
- ACCESSIBLE MEANS OF EGRESS PROVIDED
1009.2 - CONTINUITY AND COMPONENTS
1. ACCESSIBLE ROUTES COMPLYING WITH SECTION 1104
1010 - DOOR, GATES AND TURNSTILES
1010.1.1 - SIZE OF DOORS
- DOORS TO HAVE A CLEAR WIDTH GREATER THAN OR EQUAL TO 32"
- MAXIMUM DOOR LEAF SIZE IS 48"
- MIN. DOOR HEIGHT IS 80"
1010.1.4 - DOOR REQUIRED TO HAVE A LANDING AT THE SAME ELEVATION ON EACH SIDE OF DOOR.
1010.1.5 - LANDING WIDTH TO MATCH WIDTH OF STAIRWAY OR DOOR, MIN. LANDING LENGTH SHALL BE 44"MIN.
1010.1.6 - DOOR THRESHOLD 1/2" MIN.
1010.2.2 - DOOR HARDWARE
1010.2.3 - HARDWARE HEIGHT 34" - 48" ABOVE FINISH FLOOR
1010.1.9.12 - INTERIOR STAIRWAY MEANS OF EGRESS DOORS SHALL BE OPERABLE FROM BOTH SIDES
1013 - EXIT SIGNS
-REQUIRED AT ALL CORRIDOR DIRECTION CHANGES.
1013.3 - EXIT SIGNS SHALL BE ILLUMINATED
1017 - EXIT ACCESS TRAVEL DISTANCE
1017.2 - LIMITATIONS
EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED THE VALUES GIVEN IN TABLE 1017.2.
OCC: B WITHOUT SPRINKLER SYSTEM (FEET): 200'
1028 - EXIT DISCHARGE
1028.1 - DISCHARGE DIRECTLY TO EXTERIOR OF THE BUILDING.
1028.5 - PROVIDE DIRECT UNOBSTRUCTED ACCESS TO A PUBLIC WAY.

CHAPTER 29: PLUMBING SYSTEMS
2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES
REQUIRED NUMBER OF WATER CLOSETS: 1 PER 25 FOR THE FIRST 50 OCCUPANTS
ACTUAL NUMBER OF PROPOSED WATER CLOSETS: 4
REQUIREMENTS: OK

REQUIRED NUMBER OF LAVATORIES: 1 PER 40 FOR THE FIRST 80 OCCUPANTS
ACTUAL NUMBER OF PROPOSED WATER CLOSETS: 4
REQUIREMENTS: OK

REQUIRED NUMBER OF DRINKING FOUNTAINS: 1 PER 100 OCCUPANTS
ACTUAL NUMBER OF DRINKING FOUNTAINS: 1
REQUIREMENTS: OK

REQUIRED NUMBER OF SERVICE SINKS: 1
EXISTING COMMON AREA SERVICE SINKS: 1
REQUIREMENTS: OK

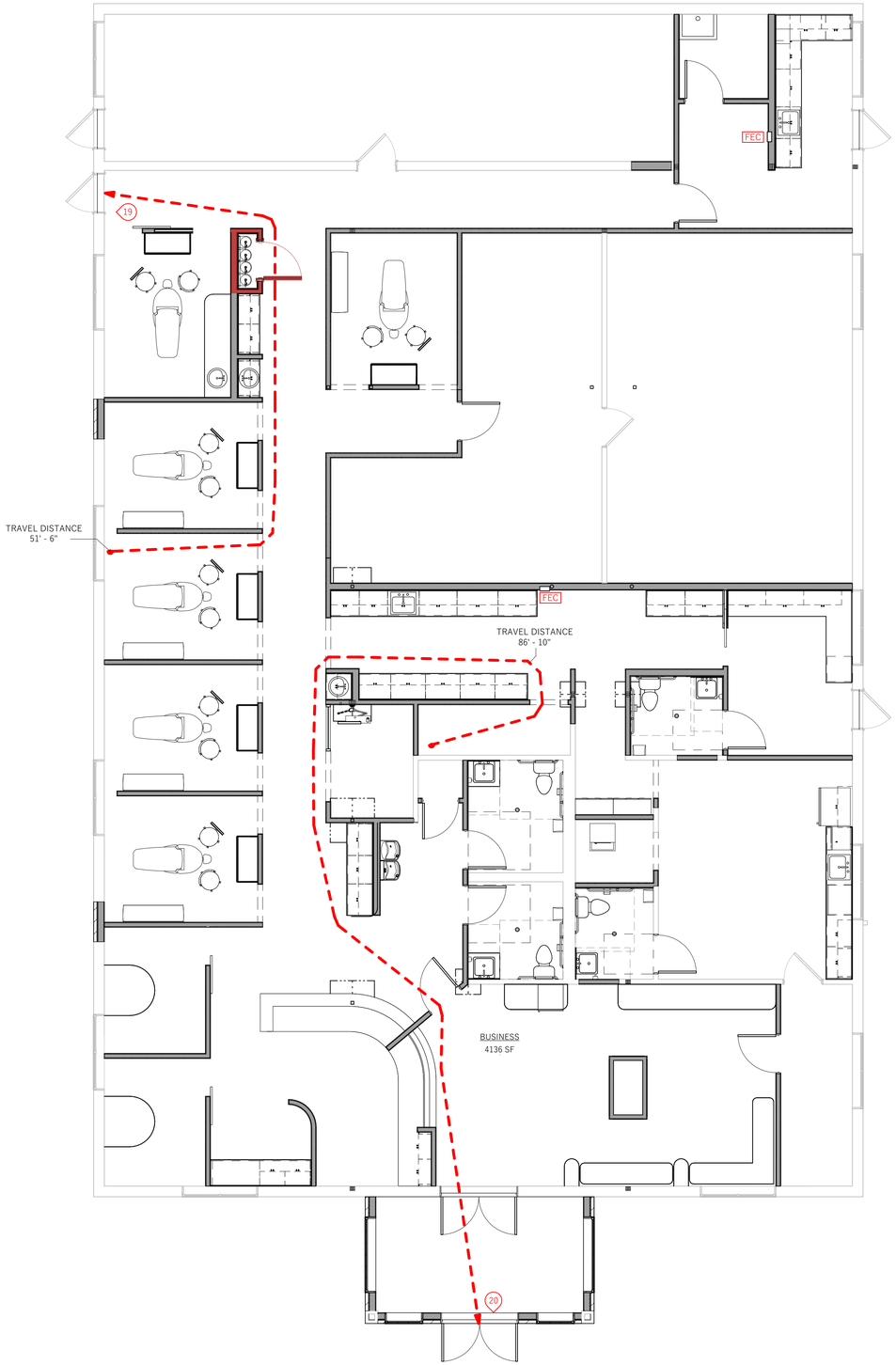
OCCUPANCY AND EGRESS WIDTH SCHEDULE

NAME	GROSS AREA	OCC FACTOR	OCC LOAD	DOOR WIDTH FACTOR (INCHES)	DOOR EGRESS WIDTH (INCHES)
LEVEL 1					
BUSINESS	4136 SF	150 SF	28	0.15	5

FIRE RATING LEGEND

1 HOUR FIRE BARRIER
1 HR DOOR
XX OCCUPANT LOAD AT EXIT
FEC FIRE EXTINGUISHER LOCATION
EGRESS PATH OF TRAVEL

NOTE: REFER TO WALL TYPES FOR ASSEMBLY DETAILS



1 G2.1 **LEVEL 1 LIFE SAFETY PLAN**
3/16" = 1'-0"

CONSULTANT

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WOOLSTENHULME
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

CODE ANALYSIS & LIFE SAFETY PLAN

G2.1

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JZW ARCHITECTS

Envelope Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Bailey Dental
Location:	Draper, Utah
Climate Zone:	5b
Project Type:	Addition
Vertical Glazing / Wall Area:	0.448

Construction Site:	Owner/Agent:	Designer/Contractor:
12257 S 800 E Draper , Utah 84020	Kurt DeHart Interior Development Inc. West Jordan , Utah 84088 801-432-7895 Kurt.IDI@gmail.com	Logan Merrill JZW Architects North Salt Lake , Utah 84054 801-936-1343 Loganm@jzw-a.com

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, [Bldg. Use 1 - Health Care-Clinic]	310	49.00	20.00	0.015	0.021
Floor:Floor, Vertical 1 ft., [Bldg. Use 1 - Health Care-Clinic] (c)	55	---	5.00	0.610	0.520
NORTH					
Ext Wall:North Wall, [Bldg. Use 1 - Health Care-Clinic]	73	19.00	0.00	0.067	0.051
Window:Window, Perf. Specs.: Product ID , SHGC 0.22, PF 13.50, VT 0.60, [Bldg. Use 1 - Health Care-Clinic] (b)	30	---	---	0.240	0.360
SOUTH					
Ext Wall:South Wall, [Bldg. Use 1 - Health Care-Clinic]	73	19.00	0.00	0.067	0.051
Window:Window 2, Perf. Specs.: Product ID , SHGC 0.22, PF 13.50, VT 0.60, [Bldg. Use 1 - Health Care-Clinic] (b)	30	---	---	0.240	0.360
WEST					
Ext Wall:West Wall, [Bldg. Use 1 - Health Care-Clinic]	115	19.00	0.00	0.067	0.051
Window:Window 1, Perf. Specs.: Product ID , SHGC 0.22, PF 20.00, VT 0.60, [Bldg. Use 1 - Health Care-Clinic] (b)	15	---	---	0.240	0.360
Door:Door, Perf. Specs.: Product ID , SHGC 0.40, PF 40.00, VT 0.60, [Bldg. Use 1 - Health Care-Clinic] (b)	42	---	---	0.300	0.630

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.3% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title	Signature	Date
Logan Merrill - Project Manager	Logan Merrill	2026-01-26

COMcheck·Web™

Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Bailey Dental
Location:	Draper, Utah
Climate Zone:	5b
Project Type:	Addition
Project No:	77934
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	true

Construction Site:	Owner/Agent:	Designer/Contractor:
12257 S 800 E Draper , Utah 84020	Kurt DeHart Interior Development Inc. West Jordan , Utah 84088 801-432-7895 Kurt.IDI@gmail.com	Logan Merrill JZW Architects North Salt Lake , Utah 84054 801-936-1343 Loganm@jzw-a.com

Notes:

Building Area

Description	Floor Area
1-Health Care-Clinic (Health Care-Clinic) : Nonresidential	152

CONSULTANT

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WARNOCK
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

COMCHECK

G2.2

JZW ARCHITECTS

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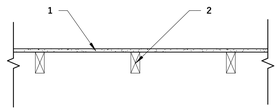
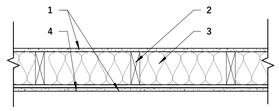


CONSTRUCTION:
1. GYPSUM BOARD: 5/8 IN.
2. WOOD STUDS: NOM 2X4 SPACED 16" O.C. UNO BY STRUCTURAL

8 G3.1 WALL TYPE 8 - INT WD - 2X4 CHASE

1" = 1'-0"



UL DESIGN NO. U305

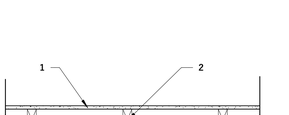
FIRE BARRIER

WALL RATING - 1 HR

CONSTRUCTION:
1. GYPSUM BOARD: TYPE 'X'. 5/8 IN. THICK PAPER OR VINYL SURFACED, WITH BEVELED, SQUARE, OR TAPERED EDGES, APPLIED EITHER HORIZONTALLY OR VERTICALLY. GYPSUM PANELS NAILED 7 IN. OC WITH 6D CEMENT COATED NAILS 1-7/8 IN. LONG, 0.0915 SHANK DIAM. AND 15/64 IN. DIAM. HEADS.
2. WOOD STUDS: NOM 2X4 SPACED 16" OC, EFFECTIVELY FIRESTOPPED.
3. SOUND BATT FIBERGLASS INSULATION.
4. RESILIENT CHANNEL: FORMED OF NO. 25 MSG GALV. STEEL, SPACED 24 IN. OC, AND PERPENDICULAR TO STUDS.

7 G3.1 WALL TYPE 7 - INT WD - 2X6 FIRE BARRIER

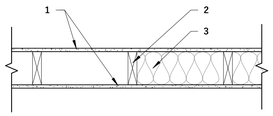
1" = 1'-0"



CONSTRUCTION:
1. GYPSUM BOARD: 5/8 IN.
2. WOOD STUDS: NOM 2X6 SPACED 16" O.C. UNO BY STRUCTURAL
3. SOUND BATT INSULATION: BATTS AND BLANKETS PLACED IN STUD CAVITY AT ALL BATHROOM LOCATIONS.
4. RESILIENT CHANNEL

6 G3.1 WALL TYPE 6 - INT WD - 2X6 W/ SOUND MITIGATION

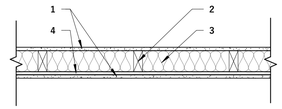
1" = 1'-0"



CONSTRUCTION:
1. GYPSUM BOARD: 5/8 IN.
2. WOOD STUDS: NOM 2X6 SPACED 16" O.C. UNO BY STRUCTURAL
3. SOUND BATT INSULATION: BATTS AND BLANKETS PLACED IN STUD CAVITY AT ALL BATHROOM LOCATIONS.

5 G3.1 WALL TYPE 5 - INT WD - 2X6

1" = 1'-0"



UL DESIGN NO. U305

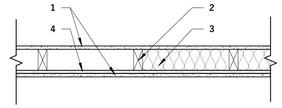
FIRE BARRIER

WALL RATING - 1 HR

CONSTRUCTION:
1. GYPSUM BOARD: TYPE 'X'. 5/8 IN. THICK PAPER OR VINYL SURFACED, WITH BEVELED, SQUARE, OR TAPERED EDGES, APPLIED EITHER HORIZONTALLY OR VERTICALLY. GYPSUM PANELS NAILED 7 IN. OC WITH 6D CEMENT COATED NAILS 1-7/8 IN. LONG, 0.0915 SHANK DIAM. AND 15/64 IN. DIAM. HEADS.
2. WOOD STUDS: NOM 2X4 SPACED 16" OC, EFFECTIVELY FIRESTOPPED.
3. SOUND BATT FIBERGLASS INSULATION.
4. RESILIENT CHANNEL: FORMED OF NO. 25 MSG GALV. STEEL, SPACED 24 IN. OC, AND PERPENDICULAR TO STUDS.

4 G3.1 WALL TYPE 4 - INT WD - 2X4 FIRE BARRIER

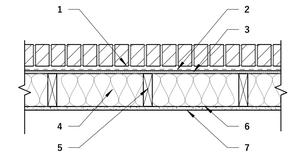
1" = 1'-0"



CONSTRUCTION:
1. GYPSUM BOARD: 5/8 IN.
2. WOOD STUDS: NOM 2X4 SPACED 16" O.C. UNO BY STRUCTURAL
3. SOUND BATT INSULATION: SOUND INSULATION PLACED IN STUD CAVITY AT ALL BATHROOM LOCATIONS.
4. RESILIENT CHANNEL

3 G3.1 WALL TYPE 3 - INT WD - 2X4 W/ SOUND MITIGATION

1" = 1'-0"



CONSTRUCTION FROM EXTERIOR SIDE:
1. BRICK VENEER: INSTALLED IN ACCORDANCE WITH MFR REQ'D & INDUSTRY STANDARDS.
2. CONTINUOUS AIR BARRIER
3. WOOD STRUCTURAL PANEL SHEATHING: SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS
4. INSULATION (CAVITY): SEE COMCHECK FOR R-VALUE
5. WOOD STUDS: NOM 2X6 STUDS - SEE STRUCTURAL FOR REQUIREMENTS
6. CONTINUOUS VAPOR BARRIER
7. GYPSUM BOARD: 5/8" THICK, 4 FT WIDE, APPLIED VERTICALLY & NAILED TO STUDS & BEARING PLATES 7" O.C. W/ 6D CEMENT COATED NAILS, 1-7/8" LONG W/ 1/4" DIAMETER HEAD.

NOTES:
A. REFER TO STRUCTURAL DRAWINGS FOR STUD SIZE, SHEATHING THICKNESS & NAILING PATTERNS.

2 G3.1 WALL TYPE 2 - INT WD - 2X4

1" = 1'-0"

CONSTRUCTION FROM EXTERIOR SIDE:
1. BRICK VENEER: INSTALLED IN ACCORDANCE WITH MFR REQ'D & INDUSTRY STANDARDS.
2. CONTINUOUS AIR BARRIER
3. WOOD STRUCTURAL PANEL SHEATHING: SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS
4. INSULATION (CAVITY): SEE COMCHECK FOR R-VALUE
5. WOOD STUDS: NOM 2X6 STUDS - SEE STRUCTURAL FOR REQUIREMENTS
6. CONTINUOUS VAPOR BARRIER
7. GYPSUM BOARD: 5/8" THICK, 4 FT WIDE, APPLIED VERTICALLY & NAILED TO STUDS & BEARING PLATES 7" O.C. W/ 6D CEMENT COATED NAILS, 1-7/8" LONG W/ 1/4" DIAMETER HEAD.

NOTES:
A. REFER TO STRUCTURAL DRAWINGS FOR STUD SIZE, SHEATHING THICKNESS & NAILING PATTERNS.

1 G3.1 WALL TYPE 1 - EXT WD - 2X6 BRICK VENEER

1" = 1'-0"

CONSULTANT

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12257 S 800 E
DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WARNICK
No. 372770
1/27/2026
LICENSED ARCHITECT

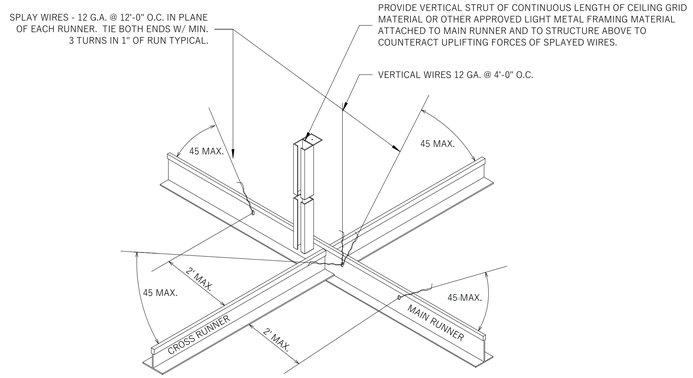
PROJECT NUMBER:
25082

WALL TYPES

G3.1

45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM

JZW ARCHITECTS



ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO SUSPENDED CEILING GRID, IN ADDITION 12 GA. HANGER WIRES SHALL BE ATTACHED TO THE GRID WITHIN 3" OF EACH CORNER OF THE FIXTURE. TWO ADDITIONAL WIRES SHALL BE CONNECTED TO THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE (THESE WIRES MAY BE SLACK).

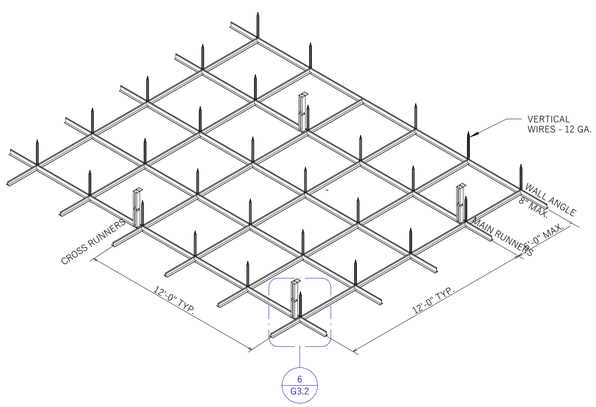
WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOR SHALL THEY BE CLOSER THAN 5" FROM ANY UN-BRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.

NOTE:

ALL ROOMS OR AREAS GREATER THAN 144 SQUARE FEET IN AREA REQUIRE SEISMIC BRACING.

6 G3.2 SUSPENDED CEILING SEISMIC BRACING

3/8" = 1'-0"



CEILING AREAS OF 144 SQ. FT. OR LESS SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE SHALL NOT REQUIRE THE DIAGONAL BRACING WIRES.
EACH VERTICAL WIRE SHALL BE ATTACHED EACH END WITH MIN. 3 TURNS.
CEILING GRID SHALL BE INSTALLED LEVEL TO WITHIN 1/8" IN 12'.
LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES AS A MEANS OF LEVELING MAIN RUNNERS.
ALL WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT.
FOR CEILING AREAS EXCEEDING 144 S.F. HORIZONTAL RESTRAINT OF THE CEILING TO THE STRUCTURE SHALL BE PROVIDED. THIS INCLUDES SPLAY WIRES & COMPRESSION STRUTS IN ACCORDANCE WITH IBC 808.1.1.1, IBC 1613.1, ASTM C 635, ASTM C 636 & ASCE 7.
CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE INDEPENDENTLY SUPPORTED AND BRACED INDEPENDENTLY OF THE CEILING.
SUSPENDED CEILING SHALL BE SUBJECT TO THE SPECIAL INSPECTION REQUIREMENTS OF SECTION 1704.

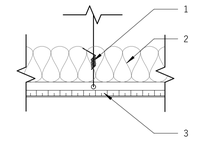
CEILING AREAS OF 144 SQ. FT. OR LESS SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE SHALL NOT REQUIRE THE DIAGONAL BRACING WIRES.

EACH VERTICAL WIRE SHALL BE ATTACHED EACH END WITH MIN. 3 TURNS.

CEILING GRID SHALL BE INSTALLED LEVEL TO WITHIN 1/8" IN 12'.
LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES AS A MEANS OF LEVELING MAIN RUNNERS.
ALL WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT.
A HEAVY DUTY T-BAR SYSTEM SHALL BE USED.
THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL NOT BE LESS THAN 2 INCHES. IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A 0.75 INCH CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON THE CLOSURE ANGLE.

5 G3.2 SUSPENDED CEILING BRACING

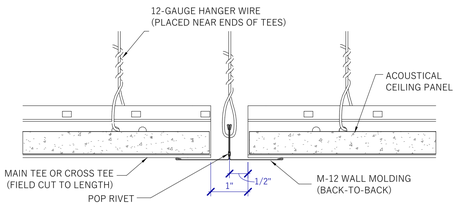
1/16" = 1'-0"



CONSTRUCTION:
1. SUSPENDED CEILING CABLE
2. SOUND BATT INSULATION
3. ACT SYSTEM

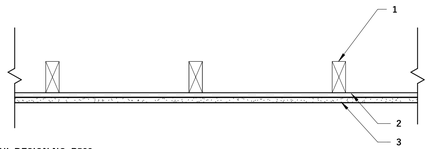
4 G3.2 ACT CEILING

1 1/2" = 1'-0"



3 G3.2 SEISMIC BRACING DETAIL

6" = 1'-0"



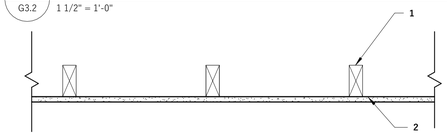
UL DESIGN NO. P522

CEILING RATING - 1 HR

CONSTRUCTION:
1. BOTTOM CHORD OF PRE-MANUFACTURED TRUSS
2. RESILIENT CHANNEL: 1 LAYER 1/2" DEEP, 25 GA, INSTALLED PERPENDICULAR TO THE TRUSSES, SPACED 16" MAX O.C.
3. GYPSUM BOARD: 1 LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO METAL FRAMING WITH 1 1/2" DRYWALL SCREWS AT 18" O.C.

2 G3.2 ONE HOUR CEILING

1 1/2" = 1'-0"



CONSTRUCTION:
1. BOTTOM CHORD OF PRE-MANUFACTURED TRUSS
2. GYPSUM BOARD: 1 LAYER 5/8" GYPSUM WALLBOARD.

1 G3.2 TYP. NON-RATED CEILING

1 1/2" = 1'-0"

CONSULTANT

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WARNICK
No. 372770
1/27/2026
LICENSED ARCHITECT

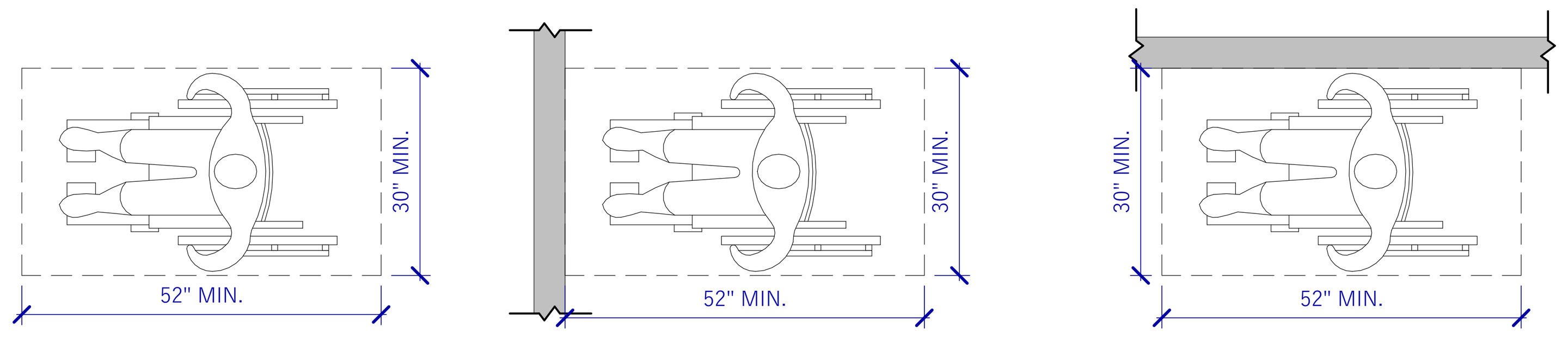
PROJECT NUMBER:
25082

HORIZONTAL ASSEMBLIES

G3.2

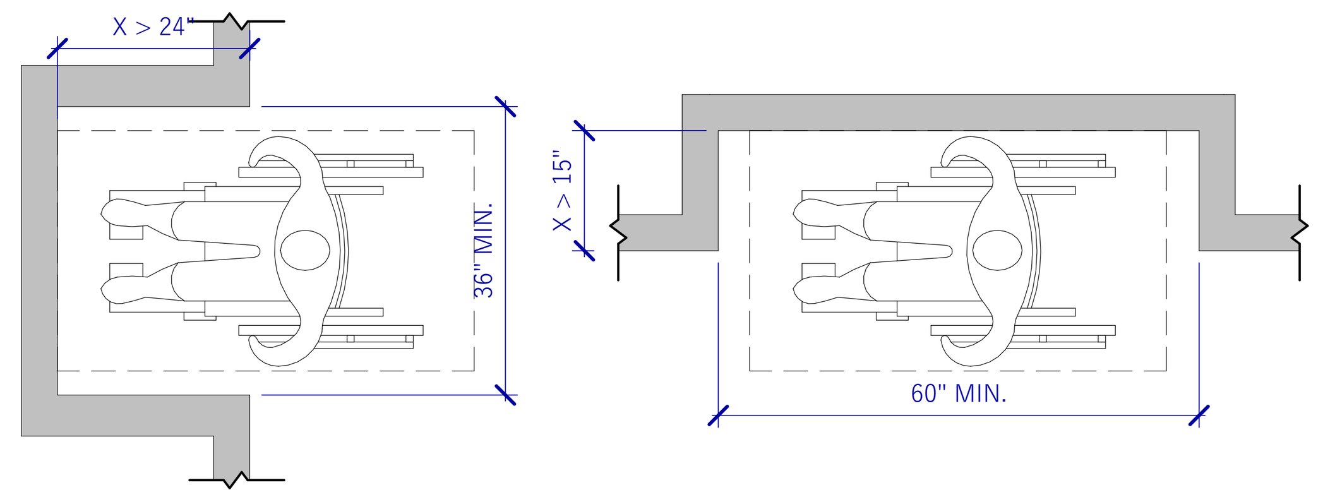
45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM
JZW ARCHITECTS

CONSULTANT



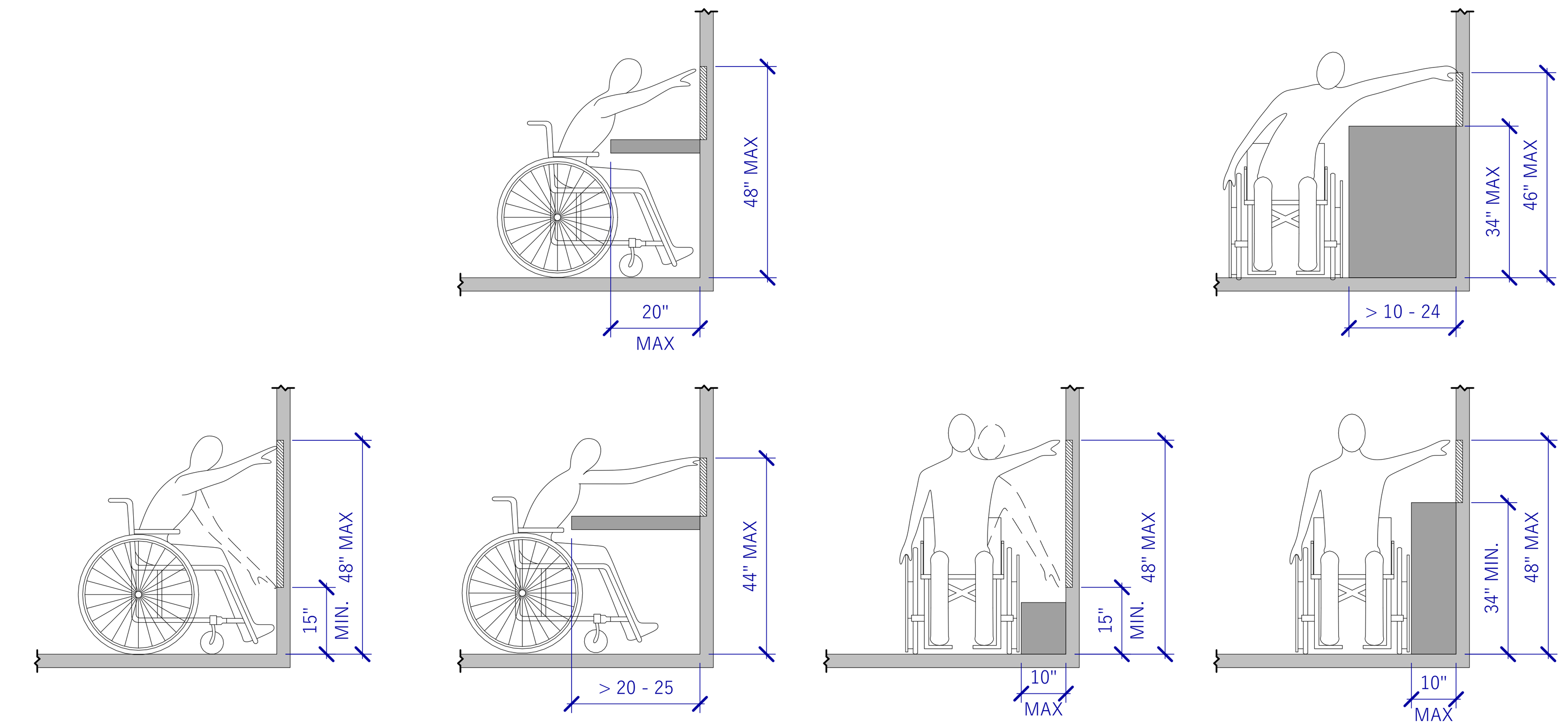
SIZE OF CLEAR FLOOR SPACE
FORWARD APPROACH
PARALLEL APPROACH

CLEAR FLOOR SPACE NOTES:
1. CHANGES IN LEVEL ARE NOT PERMITTED WITHIN THE CLEAR FLOOR SPACE.
2. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED IN CLEAR FLOOR SPACE.
3. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCES.
4. ONE FULL, UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE TO ADJOIN ANOTHER CLEAR FLOOR SPACE.
5. FLOOR SURFACE WITHIN THE CLEAR FLOOR SPACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT.



FORWARD APPROACH IN ALCOVE
PARALLEL APPROACH IN ALCOVE

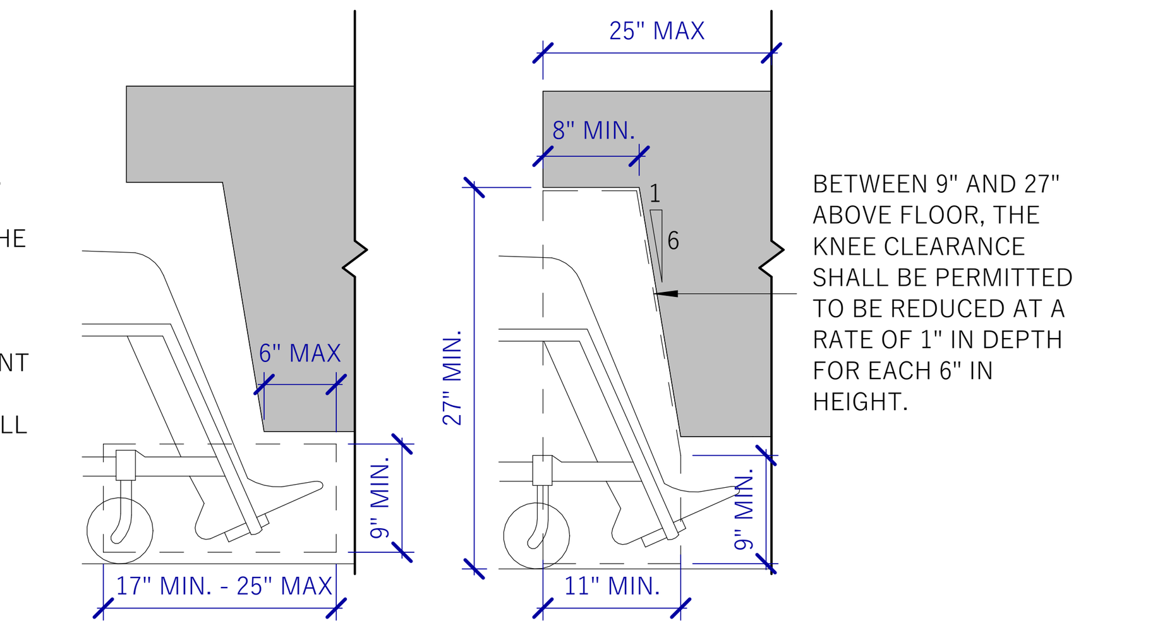
11 CLEAR FLOOR SPACE
G4.1 1/2" = 1'-0"



UNOBSTRUCTED FORWARD REACH
OBSTRUCTED HIGH FORWARD REACH
UNOBSTRUCTED SIDE REACH
OBSTRUCTED HIGH SIDE REACH

6 ACCESSIBLE REACH RANGES
G4.1 3/8" = 1'-0"

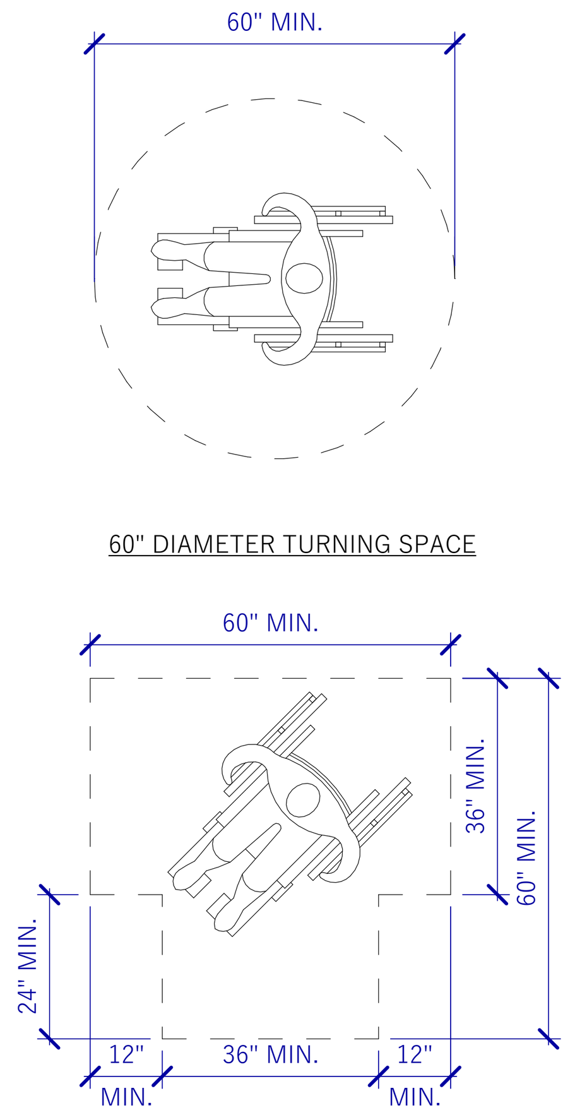
TOE & KNEE CLEARANCE NOTES:
1. SPACE BENEATH AN ELEMENT BETWEEN THE FLOOR AND 9" ABOVE THE FLOOR SHALL BE CONSIDERED TOE CLEARANCE.
2. SPACE BENEATH AN ELEMENT BETWEEN 9" AND 27" ABOVE THE KNEE CLEARANCE.
3. KNEE CLEARANCE SHALL BE PERMITTED TO EXTEND 25" MAXIMUM UNDER AND ELEMENT AT 9" ABOVE FLOOR.
4. KNEE & TOE CLEARANCES SHALL BE 30" MINIMUM IN WIDTH.



TOE CLEARANCE
KNEE CLEARANCE

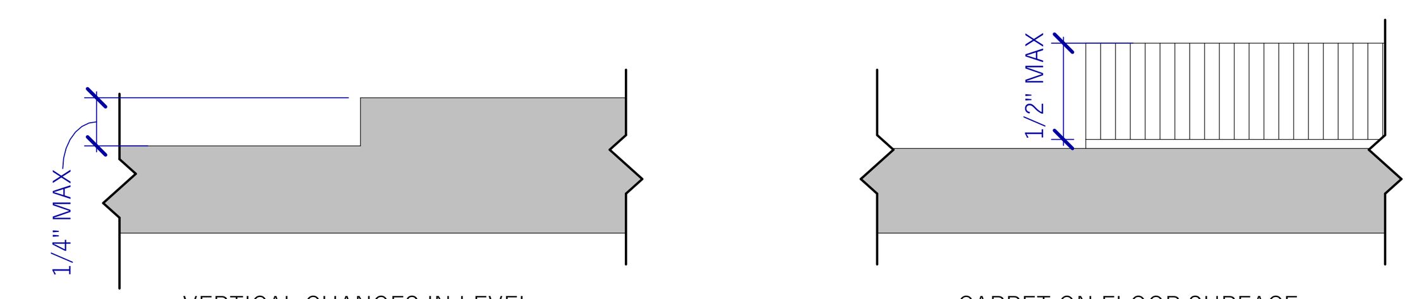
2 TOE & KNEE CLEARANCE
G4.1 3/4" = 1'-0"

WHEELCHAIR TURNING SPACE NOTES:
1. CHANGES IN LEVEL ARE NOT PERMITTED WITHIN THE TURNING SPACE.
2. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED IN TURNING SPACE.
3. THE TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCES ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

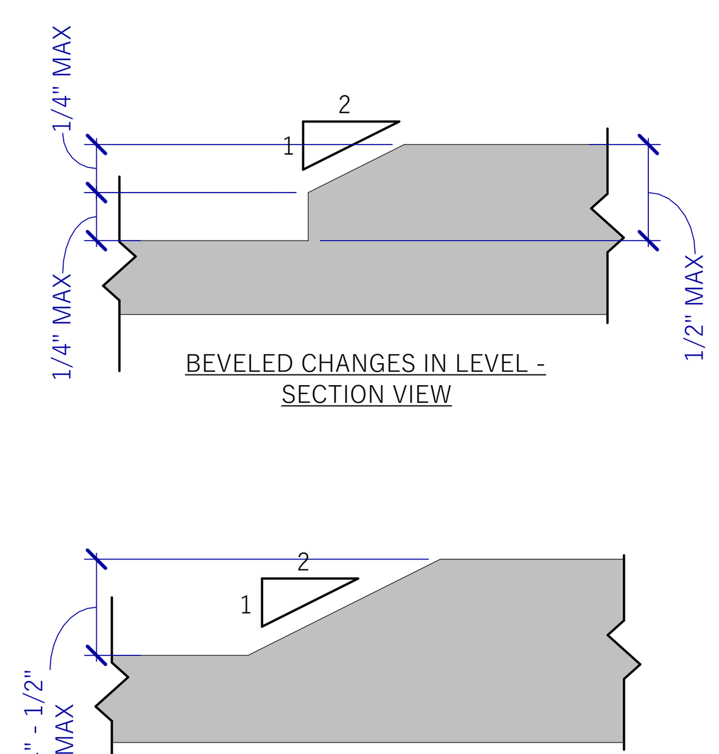


60" DIAMETER TURNING SPACE
T-SHAPED TURNING SPACE

10 WHEELCHAIR TURNING SPACE
G4.1 3/8" = 1'-0"



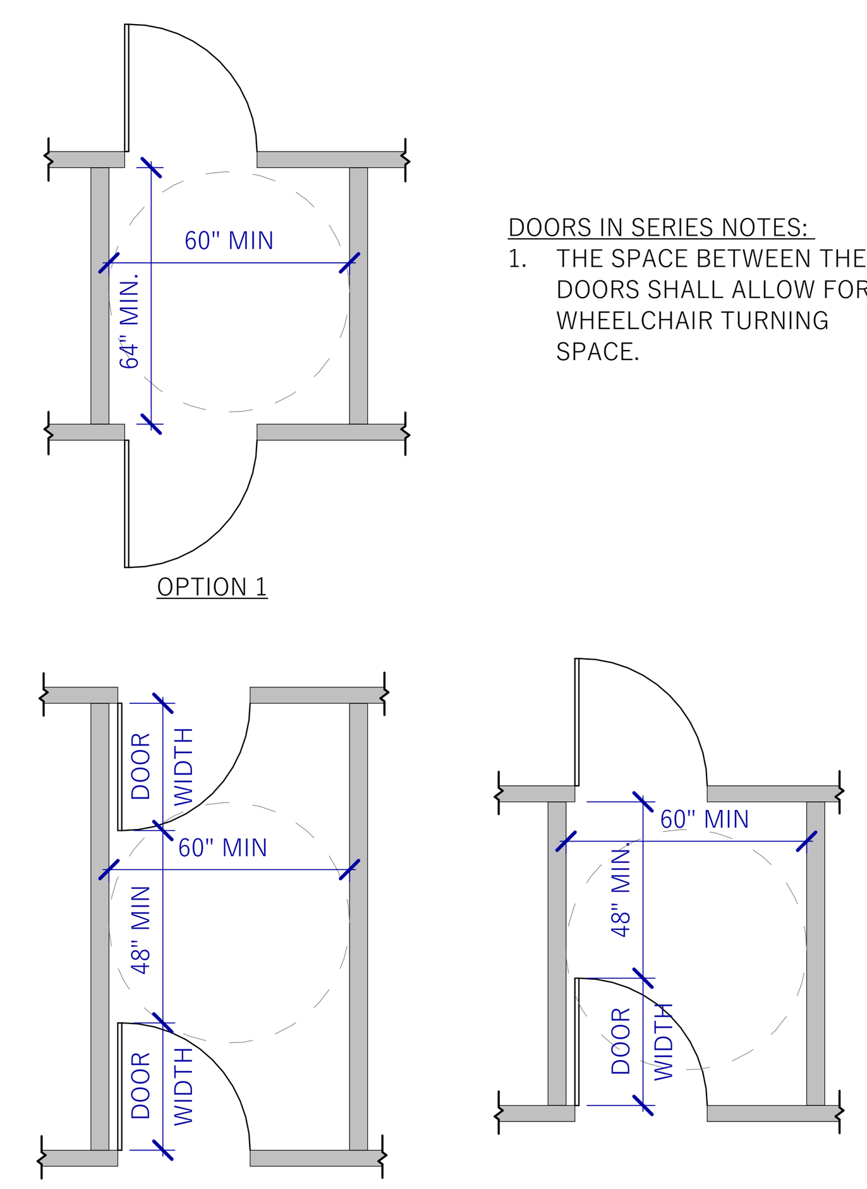
VERTICAL CHANGES IN LEVEL - SECTION VIEW
CARPET ON FLOOR SURFACE - SECTION VIEW



BEVELED CHANGES IN LEVEL - SECTION VIEW
BEVELED CHANGES IN LEVEL - SECTION VIEW

CHANGES IN LEVEL NOTES:
1. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT.
2. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. THE PILE SHALL BE 1/2" MAXIMUM IN HEIGHT. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO THE FLOOR AND SHALL HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE.
3. CHANGES IN LEVEL OF 1/4" MAXIMUM IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL.
4. CHANGES IN LEVEL GREATER THAN 1/4" HEIGHT AND NOT MORE THAN 1/2" MAXIMUM IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2 (50%).
5. CHANGES IN LEVEL GREATER THAN 1/2" IN HEIGHT SHALL COMPLY WITH RAMP REQUIREMENTS.

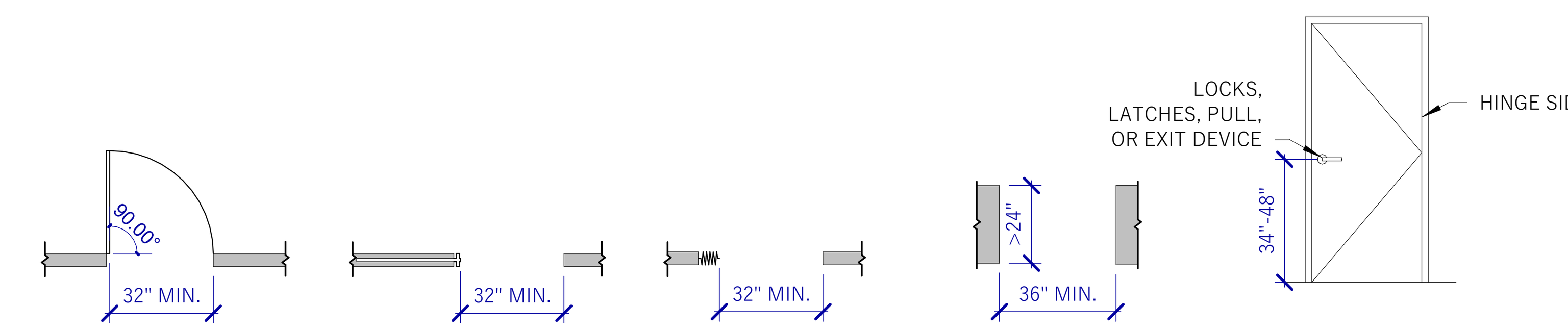
8 CHANGES IN LEVEL
G4.1 12" = 1'-0"



OPTION 1
OPTION 2
OPTION 3

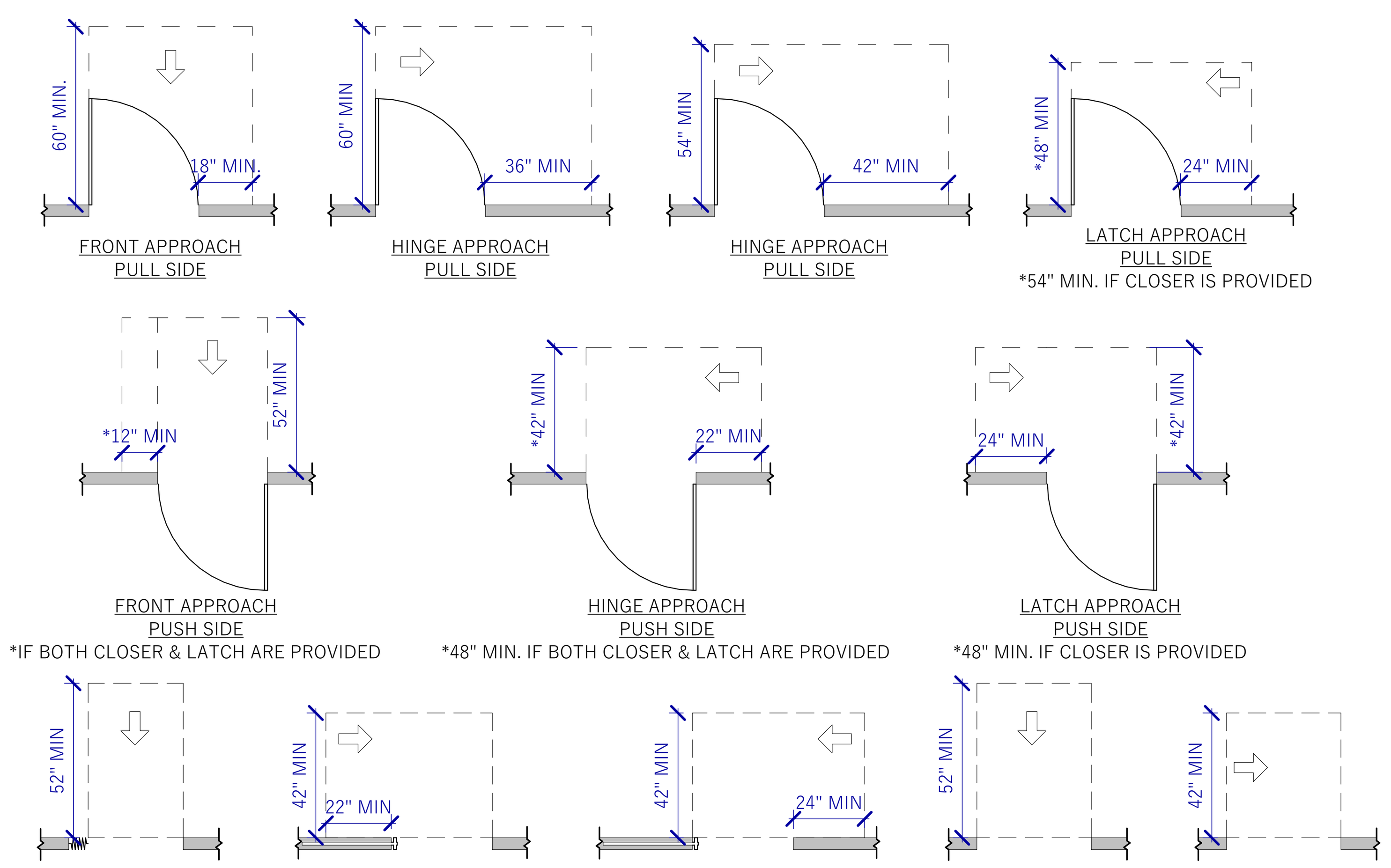
DOORS IN SERIES NOTES:
1. THE SPACE BETWEEN THE DOORS SHALL ALLOW FOR A WHEELCHAIR TURNING SPACE.

5 DOORS IN SERIES
G4.1 1/4" = 1'-0"



HINGED DOOR
SLIDING DOOR
FOLDING DOOR
DOORWAYS WITHOUT DOORS
ELEVATION VIEW

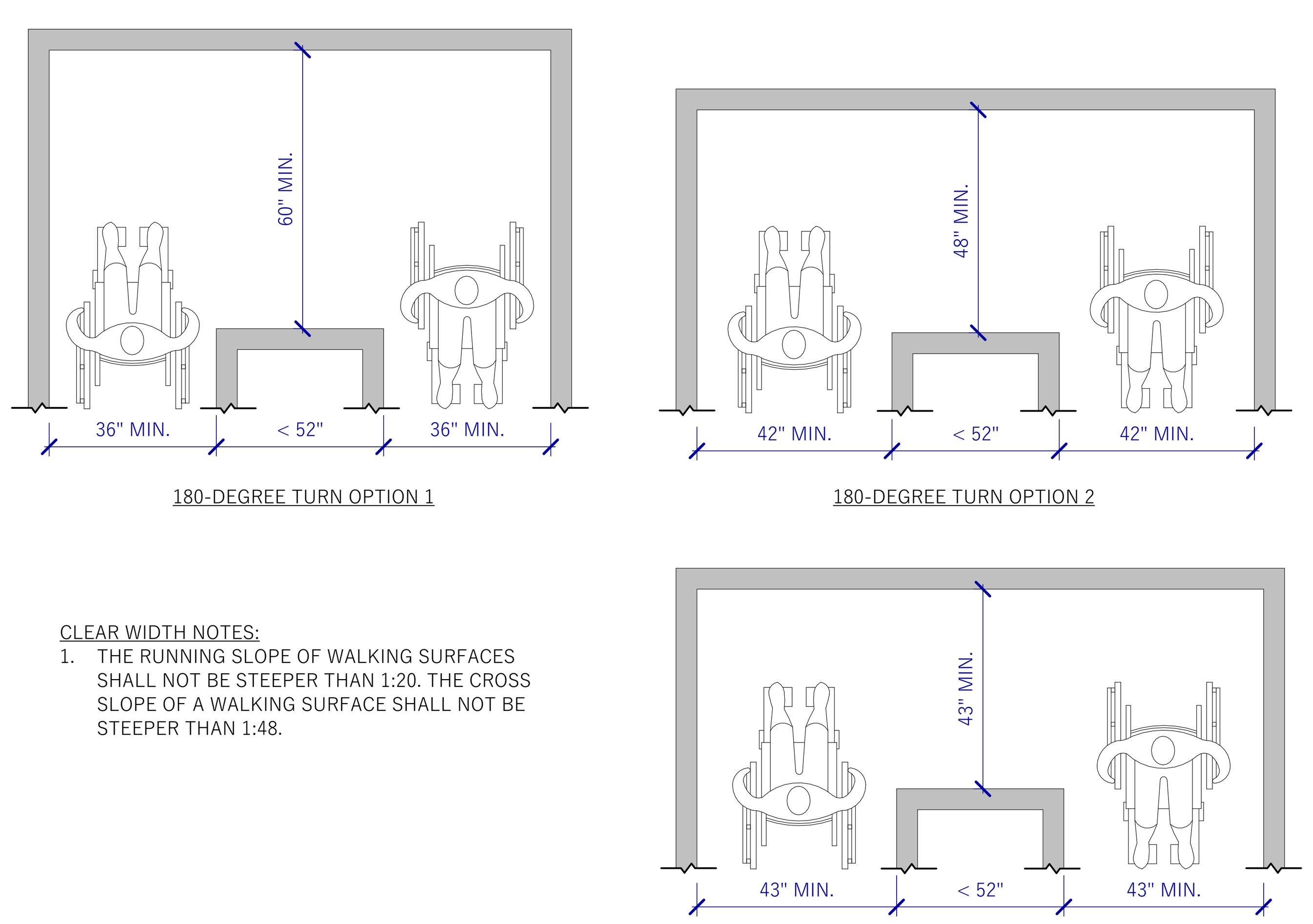
DOOR NOTES:
1. DOORWAYS SHALL HAVE A CLEAR OPENING WIDTH OF 32" MIN. CLEAR OPENING WIDTH OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND STOP, WITH THE DOOR OPEN 90-DEGREES. OPENINGS MORE THAN 24" IN DEPTH AT DOORS AND DOORWAYS WITHOUT DOORS SHALL PROVIDE A CLEAR OPENING WIDTH OF 36" MIN. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34" ABOVE THE FLOOR. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34" AND 80" ABOVE THE FLOOR SHALL NOT EXCEED 4".
2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" MIN. ABOVE THE FLOOR.
3. FLOOR SURFACE WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOTE STEEPER THAN 1:48.
4. WHERE ANY OBSTRUCTION WITHIN 18" OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8" BEYOND THE FACED OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR, MANEUVERING CLEARANCES FOR A FORWARD APPROACH SHALL BE PROVIDED.
5. IF PROVIDED, THRESHOLDS AT DOORWAYS SHALL BE 1/2" MAXIMUM IN HEIGHT.
6. ARROW DEPICTS THE DIRECTION OF TRAVEL OF OCCUPANT APPROACHING THE DOOR.



FRONT APPROACH PULL SIDE
HINGE APPROACH PULL SIDE
HINGE APPROACH PULL SIDE
LATCH APPROACH PULL SIDE
*54" MIN. IF CLOSER IS PROVIDED
FRONT APPROACH PUSH SIDE
*IF BOTH CLOSER & LATCH ARE PROVIDED
HINGE APPROACH PUSH SIDE
*48" MIN. IF BOTH CLOSER & LATCH ARE PROVIDED
LATCH APPROACH PUSH SIDE
*48" MIN. IF CLOSER IS PROVIDED
FOLDING DOOR FRONT APPROACH
POCKET OR HINGE APPROACH
STOP OR LATCH APPROACH
NO DOOR FRONT APPROACH
NO DOOR SIDE APPROACH

DOOR HARDWARE NOTES:
1. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRIP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
2. DOOR CLOSERS SHAL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90-DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12" SHALL BE 5 SECONDS MINIMUM.
3. DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70-DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM, MEASURED UNDER AMBIENT CONDITIONS.
4. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWED BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE MAXIMUM FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE; INTERIOR HINGED: 5 POUNDS, SLIDING OR FOLDING: 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
5. DOOR SURFACES WITH 10" OF THE FLOOR SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.

1 DOORWAY MANEUVERING CLEARANCES
G4.1 1/4" = 1'-0"

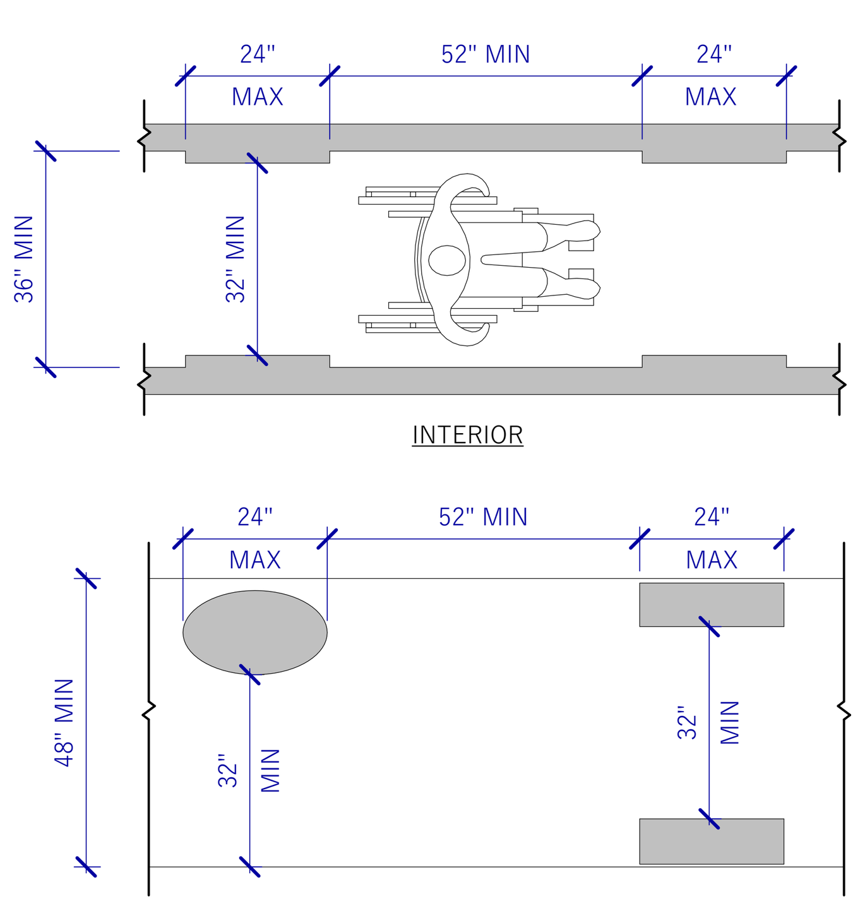


180-DEGREE TURN OPTION 1
180-DEGREE TURN OPTION 2
180-DEGREE TURN OPTION 3

CLEAR WIDTH NOTES:
1. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48.

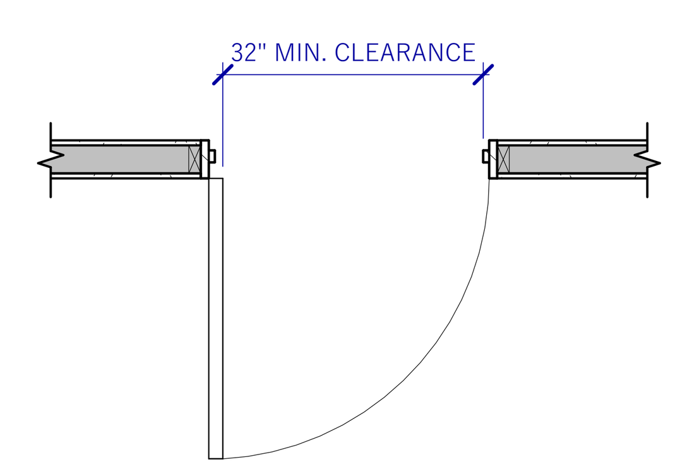
9 CLEAR WIDTH AT 180-DEGREE TURN
G4.1 3/8" = 1'-0"

CLEAR WIDTH NOTES:
1. THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" MIN. FOR A LENGTH OF 24" MAX PROVIDED THE REDUCED-WIDTH REGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 52" MIN. IN LENGTH AND 36" MIN. IN WIDTH.

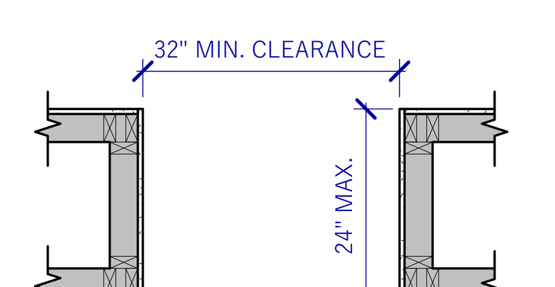


INTERIOR
EXTERIOR

7 CLEAR WIDTH OF ACCESSIBLE ROUTES
G4.1 3/8" = 1'-0"



4 CLEAR DOORWAY WIDTH - HINGED
G4.1 1/2" = 1'-0"



3 CLEAR PASSTHROUGH WIDTH
G4.1 1/2" = 1'-0"

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No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

ACCESSIBILITY DETAILS

G4.1

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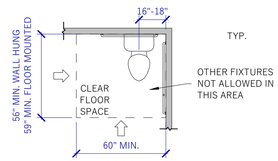
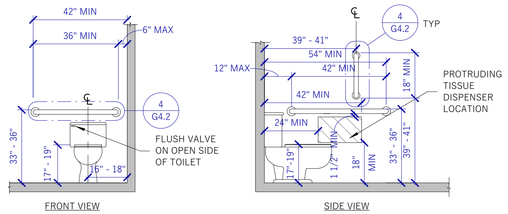
WC CLEAR FLOOR SPACE NOTES:
1. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, ACCESSORIES, CLEAR FLOOR SPACE AT FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE.



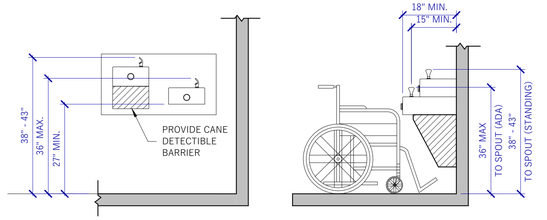
9 G4.2 **WATER CLOSET CLEAR FLOOR SPACE**
1/4" = 1'-0"

WATER CLOSET NOTES:
1. SOLID BLOCKING REQUIRED FOR TISSUE DISPENSER.
2. SOLID BLOCKING REQUIRED FOR GRAB BARS. GRAB BARS TO SUPPORT 250 lb. FORCE.
3. WATER CLOSET BOWLS SHALL BE OF THE ELONGATED TYPE
4. WATER CLOSETS SHALL BE EQUIPPED WITH SEATS OF SMOOTH, NONABSORBENT MATERIAL. SEATS SHALL BE THE HINGED OPEN-FRONT TYPE. INTEGRAL WATER CLOSET SEATS SHALL BE OF THE SAME MATERIAL AS THE FIXTURE. WATER CLOSET SEATS SHALL BE SIZED FOR THE WATER CLOSET BOWL TYPE.



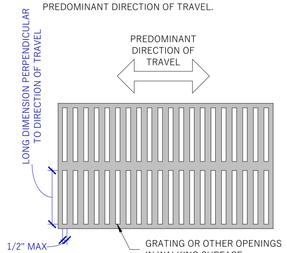
6 G4.2 **ACCESSBILE WATER CLOSET**
3/8" = 1'-0"

DRINKING FOUNTAIN NOTES:
1. CLEAR FLOOR SPACE SHALL BE PROVIDED (CENTERED ON ACCESSIBLE DRINKING FOUNTAIN)
2. DRINKING FOUNTAINS SHALL BE PROVIDED IN HIGH AND LOW PAIRS: ONE FOR ACCESSIBLE TO WHEELCHAIRS AND ONE FOR STANDING PERSONS.

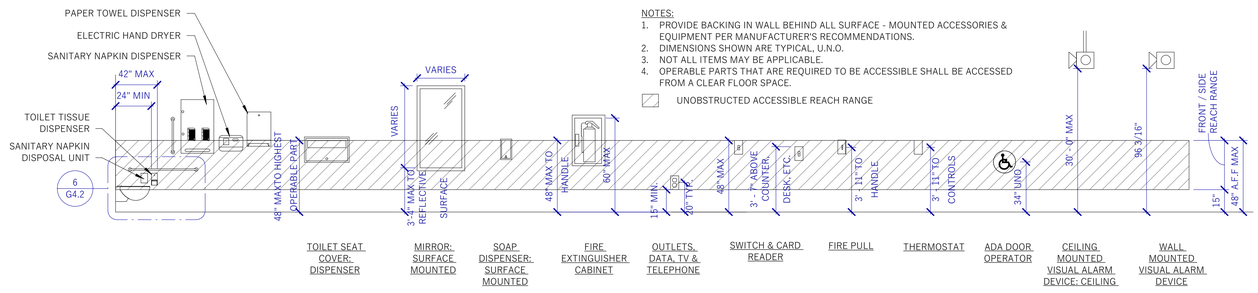


3 G4.2 **DRINKING FOUNTAIN PAIR**
1/2" = 1'-0"

OPENINGS IN FLOOR SURFACES NOTES:
1. OPENINGS IN FLOOR SURFACE SHALL BE OF A SIZE THAT DOES NOT PERMIT THE PASSAGE OF A 1/2" DIAMETER SPHERE (UNO). ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE PREDOMINANT DIRECTION OF TRAVEL.



8 G4.2 **OPENINGS IN FLOOR SURFACES**
1 1/2" = 1'-0"

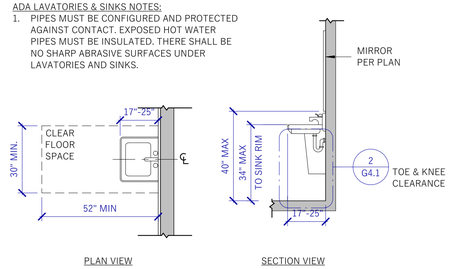


NOTES:
1. PROVIDE BACKING IN WALL BEHIND ALL SURFACE - MOUNTED ACCESSORIES & EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
2. DIMENSIONS SHOWN ARE TYPICAL, U.N.O.
3. NOT ALL ITEMS MAY BE APPLICABLE.
4. OPERABLE PARTS THAT ARE REQUIRED TO BE ACCESSIBLE SHALL BE ACCESSED FROM A CLEAR FLOOR SPACE.

UNOBSTRUCTED ACCESSIBLE REACH RANGE

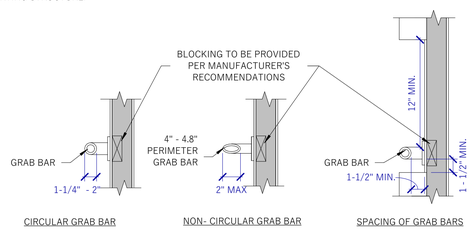
5 G4.2 **ACCESSORIES AND EQUIPMENT**
1/4" = 1'-0"

ADA LAVATORIES & SINKS NOTES:
1. PIPES MUST BE CONFIGURED AND PROTECTED AGAINST CONTACT. EXPOSED HOT WATER PIPES MUST BE INSULATED. THERE SHALL BE NO SHARP ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

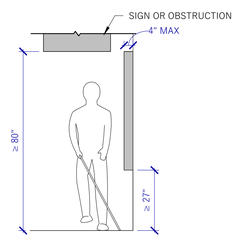


7 G4.2 **ADA LAVATORIES AND SINKS**
3/8" = 1'-0"

GRAB BAR NOTES:
1. GRAB BARS, AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS, SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL BE ROUNDED.
2. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
3. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDED A GRIPPING SURFACE AT THE LOCATIONS SPECIFIED IN THE CURRENT ADA STANDARDS AND DOES NOT OBSTRUCT THE CLEAR FLOOR SPACE. HORIZONTAL & VERTICAL GRAB BARS SHALL BE PERMITTED TO BE SEPARATE BARS, A SINGLE PIECE BAR, OR COMBINATION THEREOF.
4. ALLOWABLE STRESSES SHALL NOT BE EXCEED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED TO ANY POINT ON THE GRAB BAR, FASTENER MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

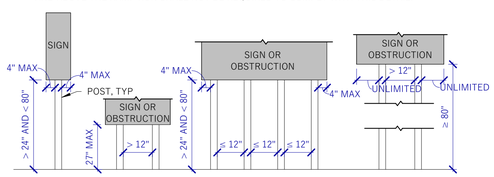


4 G4.2 **GRAB BARS**
1 1/2" = 1'-0"



2 G4.2 **LIMITS OF PROTRUDING OBJECTS**
3/8" = 1'-0"

NOTES:
1. SLOPING PORTIONS OF HANDRAILS BETWEEN THE TOP AND BOTTOM RISER OF STAIRS AND ABOVE THE RAMP RUN SHALL NOT BE REQUIRED TO COMPLY WITH THIS DETAIL.



1 G4.2 **POST-MOUNTED PROTRUDING OBJECTS**
3/8" = 1'-0"

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1/27/2026
LICENSED ARCHITECT

PROJECT NUMBER:
25082

ACCESSIBILITY DETAILS

G4.2

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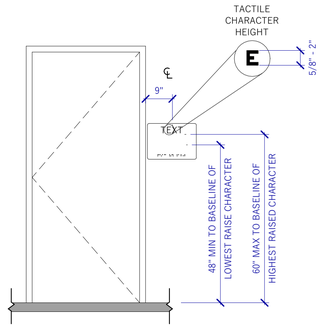
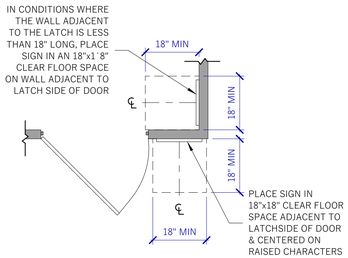


SIGN PLACEMENT: ELEVATION VIEW

TACTILE SIGNS NOTES:

1. TACTILE SIGNS SHALL CONTAIN BOTH RAISED CHARACTERS AND BRAILLE. RAISED CHARACTERS SHALL BE DUPLICATED IN BRAILLE.
2. WHERE SIGNS WITH BOTH VISUAL AND RAISED CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND RAISED CHARACTERS, OR TWO SIGNS, ONE WITH VISUAL, AND ONE WITH RAISED CHARACTERS SHALL BE PROVIDED.
3. RAISED CHARACTERS SHALL AND RAISED 1/32" MIN. ABOVE THEIR BACKGROUND.
4. CHARACTERS SHALL BE UPPER CASE. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
5. STROKE WIDTH SHALL BE 15% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I" MEASURED AT THE TOP SURFACE OF THE CHARACTER, AND 35% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I" MEASURED AT THE BASE OF THE CHARACTER.
6. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MIN. MEASURED AT THE TOP SURFACE OF THE CHARACTERS, 1/16" MIN. MEASURED AT THE BASE OF THE CHARACTERS, AND 4x THE RAISED CHARACTER STROKE WIDTH MAXIMUM. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MIN.
7. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR (OR TO THE RIGHT SIDE OF THE NEAREST ADJACENT WALL).
8. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND.



SIGN PLACEMENT: PLAN VIEW

BRAILLE NOTES:

1. BRAILLE SHALL BE CONTRACTED (GRADE 2) BRAILLE. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE.
2. THE INDICATIONS OF AN UPPERCASE LETTER SHALL ONLY BE USED BEFORE THE FIRST WORD OF A SENTENCE, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS OR ACRONYMS.
3. BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF THE TEXT IS MULTIPLIED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" MIN, FROM ANY OTHER RAISED CHARACTER AND 3/8" MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS. BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16" MIN. EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.
4. BRAILLE SHALL BE 48" MIN. AND 60" MAX. ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE BRAILLE CELLS (EXCEPT FOR ELEVATOR CAR CONTROLS).

PICTOGRAM FIELD

PICTOGRAM NOTES:

1. WHERE PICTOGRAMS SIGNS ARE PROVIDED, THE PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. PICTOGRAMS THAT PROVIDE INFORMATION ABOUT A ROOM OR SPACE, OCCUPANT LOGOS, AND THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL NOT BE REQUIRED TO HAVE TEXT DESCRIPTORS.
2. PICTOGRAM FIELD SHALL BE 6" MINIMUM IN HEIGHT. BRAILLE SHALL NOT BE IN PICTOGRAM FIELD. FINISH SHALL BE NON-GLARE WITH A CONTRAST IN PICTOGRAM AND FIELD.

2 G4.3 TACTILE SIGNS

1/2" = 1'-0"

INTERNATIONAL SYMBOL OF ACCESSIBILITY

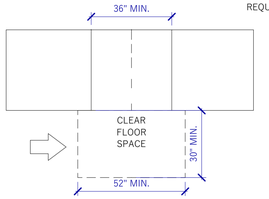
INTERNATIONAL TTY SYMBOL

VOLUME-CONTROLLED TELEPHONE SYMBOL

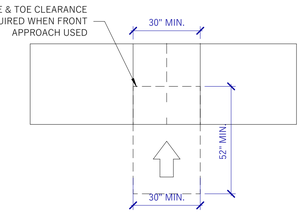
INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS

1 G4.3 INTERNATIONAL SYMBOLS

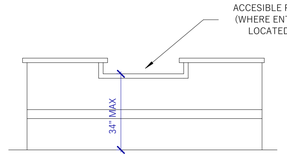
3/8" = 1'-0"



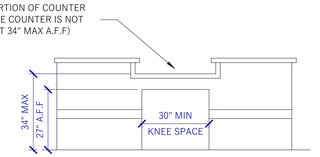
PLAN VIEW: PARALLEL APPROACH



PLAN VIEW: FRONT APPROACH



ELEVATION VIEW: PARALLEL APPROACH



ELEVATION VIEW: FRONT APPROACH

3 G4.3 ADA WORK SURFACES

3/8" = 1'-0"

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PROJECT NUMBER:
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ACCESSIBILITY DETAILS

G4.3

JZW ARCHITECTS

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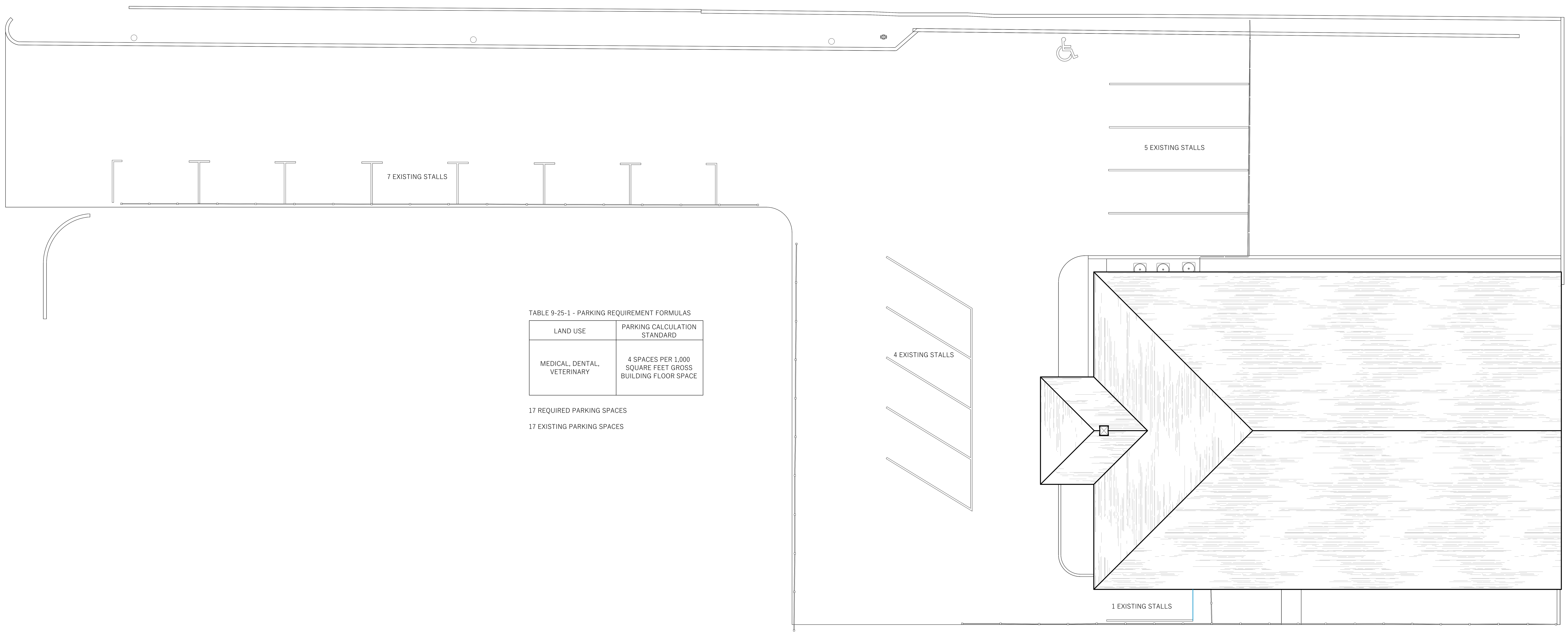

TABLE 9-25-1 - PARKING REQUIREMENT FORMULAS

LAND USE	PARKING CALCULATION STANDARD
MEDICAL, DENTAL, VETERINARY	4 SPACES PER 1,000 SQUARE FEET GROSS BUILDING FLOOR SPACE

17 REQUIRED PARKING SPACES

17 EXISTING PARKING SPACES

1
A0.1

ARCHITECTURAL SITE PLAN

3/32" = 1'-0"

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ARCHITECTURAL SITE PLAN

A0.1

JZW ARCHITECTS

CONSULTANT

GENERAL NOTES - FOOTING AND FOUNDATION PLAN

A COORDINATE ALL CONCRETE FOOTING AND WALL SIZES WITH STRUCTURAL DRAWINGS

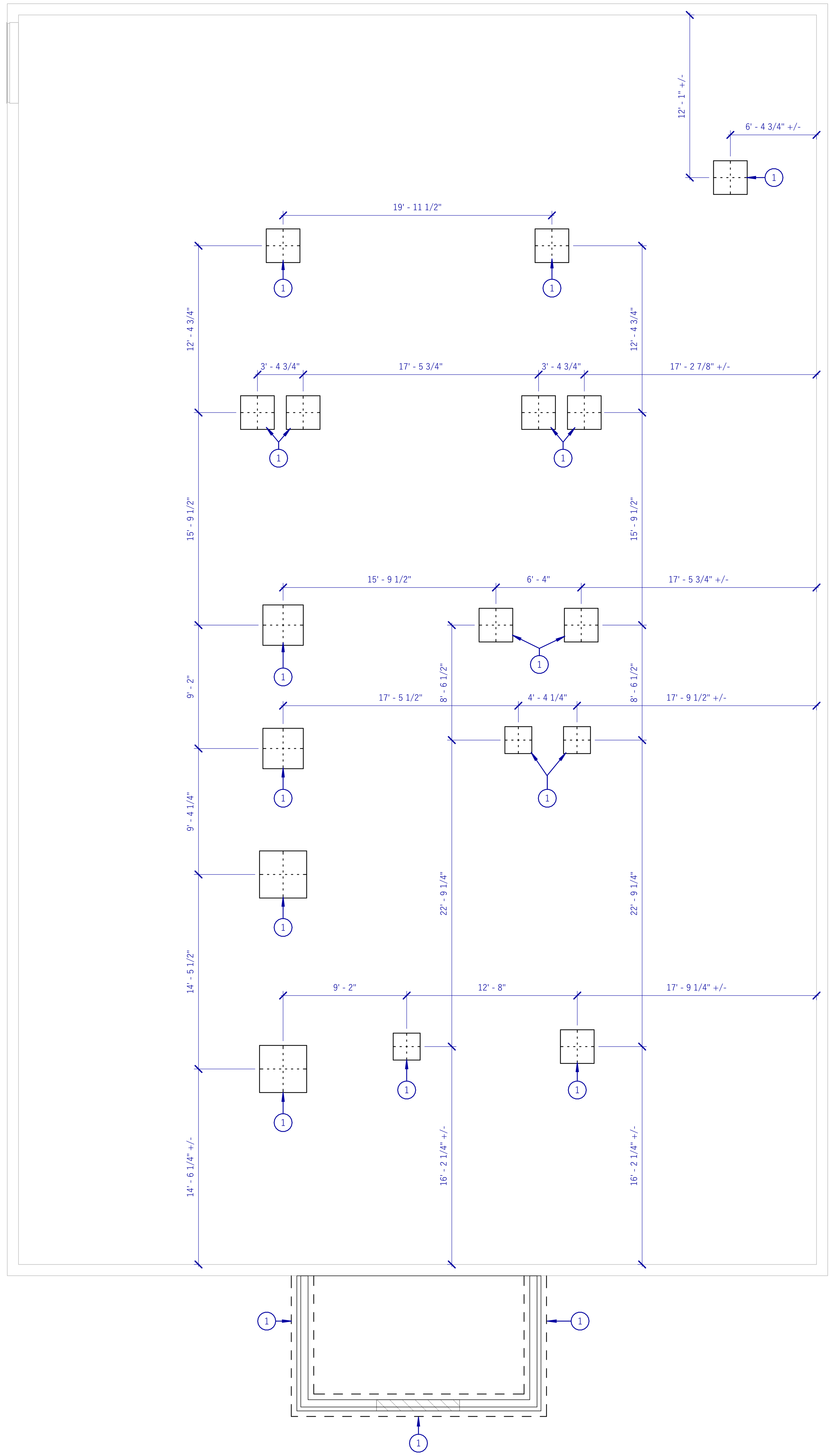
B VERIFY ALL BLOCKOUT SIZES WITH DOOR MANUFACTURERE

KEYED NOTES

1 NEW CONCRETE FOOTING OR FOUNDATION WALL, SEE STRUCTURAL DRAWINGS

LEGEND

- DOOR BLOCKOUTS



1 A1.0 **FOOTING & FOUNDATION PLAN**
3/16" = 1'-0"

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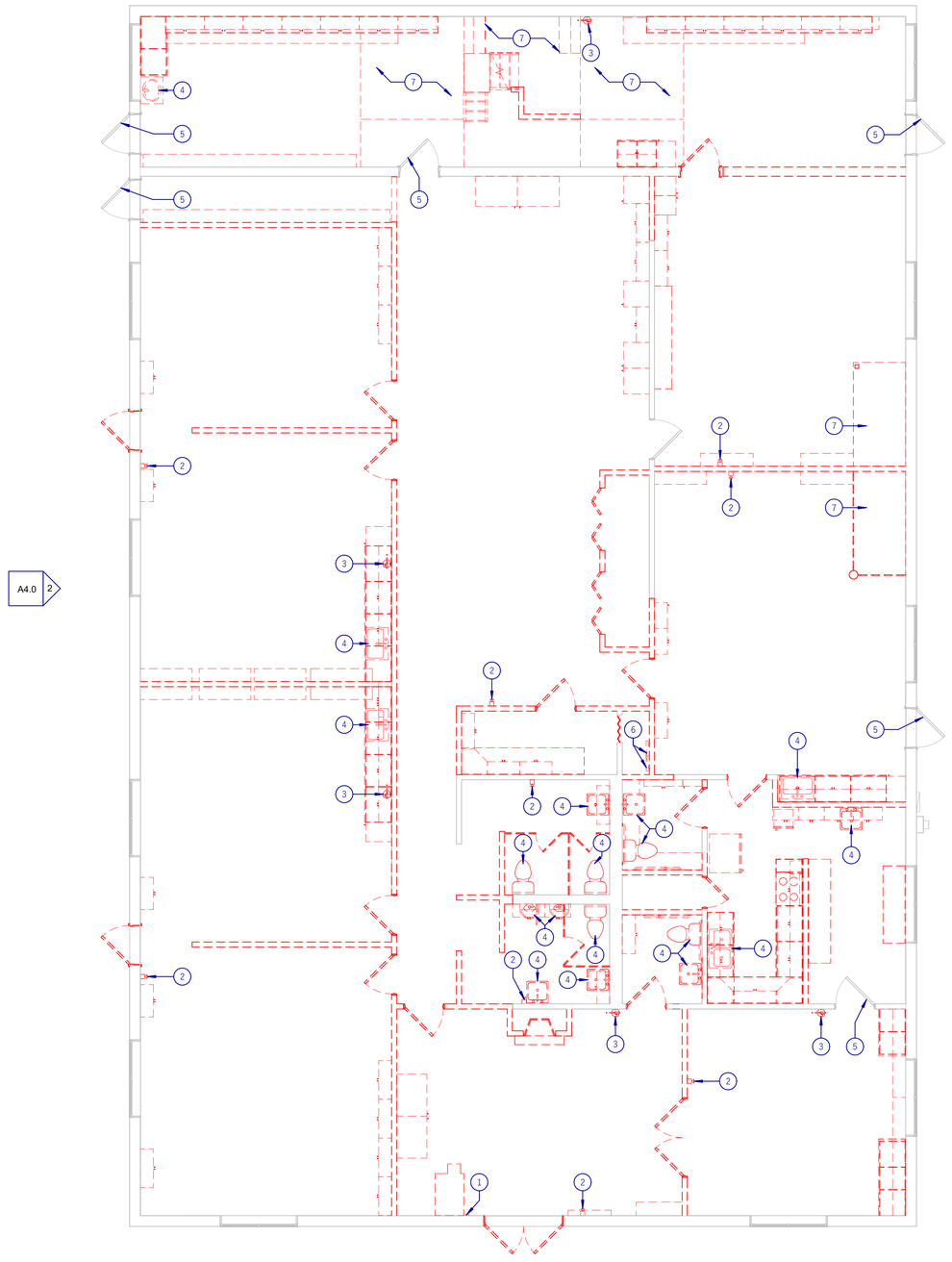
FOOTING & FOUNDATION PLAN

A1.0

JZW ARCHITECTS



1 A2.0 **DEMOLITION - FLOOR PLAN**

3/16" = 1'-0"

N

GENERAL NOTES - DEMOLITION

A ALL EXISTING PLUMBING FIXTURES TO BE DEMOLISHED, PLUMBING TO BE CAPPED.

B SCOPE OF EXISTING HVAC DUCTING TO BE DEMOLISHED TO BE COORDINATED WITH GC.

C SCOPE OF EXISTING ELECTRICAL TO BE CAPPED AT ELECTRICAL PANEL TO BE COORDINATED WITH GC.

D CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE.

E DEMOLITION DRAWINGS REPRESENT EXISTING CONDITIONS BASED ON LIMITED EXISTING DRAWINGS AND SITE OBSERVATIONS, CONTRACTOR TO FIELD VERIFY ALL EXISTING BUILDING AND SITE CONDITIONS.

F DEMOLITION DRAWINGS GENERALLY INDICATE EXISTING SCOPE OF WORK TO BE DEMOLISHED AND ARE NOT INTENDED TO LIMIT OR FULLY DEFINE THE SCOPE OF WORK TO BE REMOVED IN ORDER TO ACCOMPLISH SCOPE OF NEW CONSTRUCTION.WHERE THESE CONDITIONS OCCUR OUTSIDE OF THE DEMOLITION LIMITS, AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AS PART OF THE NEW CONSTRUCTION SCOPE OF WORK.

G CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITION AND CONSTRUCTION DOCUMENTS.

H REFERENCE MEP DRAWINGS FOR OTHER DISCIPLINE DEMOLITION SCOPE OF WORK WHERE APPLICABLE.

I CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXITS UNOBSTRUCTED, ILLUMINATED, AND PROTECTED FROM CONSTRUCTION ACTIVITIES.

J PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. TRANSPORT DEMOLISHED MATERIALS AND LEGALLY DISPOSE OF THEM.

K ALL EXISTING CEILINGS AND BULKHEADS TO BE DEMOLISHED. EXPLORATORY DEMO REQUIRED TO DETERMINE EXTENT OF EXISTING STRUCTURE. COORDINATE WITH GC.

L ALL EXISTING CASEWORK TO BE DEMOLISHED.

KEYED NOTES

1 EXISTING FIRE ALARM PULL TO BE RELOCATED. PLEASE SEE ELECTRICAL SHEETS

2 EXISTING FIRE ALARM TO BE RELOCATED, PLEASE SEE ELECTRICAL SHEETS

3 EXISTING FIRE EXTINGUISHER TO BE REMOVED AND RELOCATED; SEE FLOOR PLAN

4 EXISTING PLUMBING FIXTURE TO BE DEMOLISHED

5 EXISTING DOOR(S) TO REMAIN

6 EXISTING ELECTRICAL PANEL, COORDINATE RELOCATION WITH ELECTRICAL ENGINEER & GC

7 RAISED PLATFORM TO BE DEMOLISHED

LEGEND

— — — DEMOLISHED

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REVISIONS:

NO.	DATE	DESCRIPTION

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No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

DEMOLITION - MAIN FLOOR PLAN

A2.0

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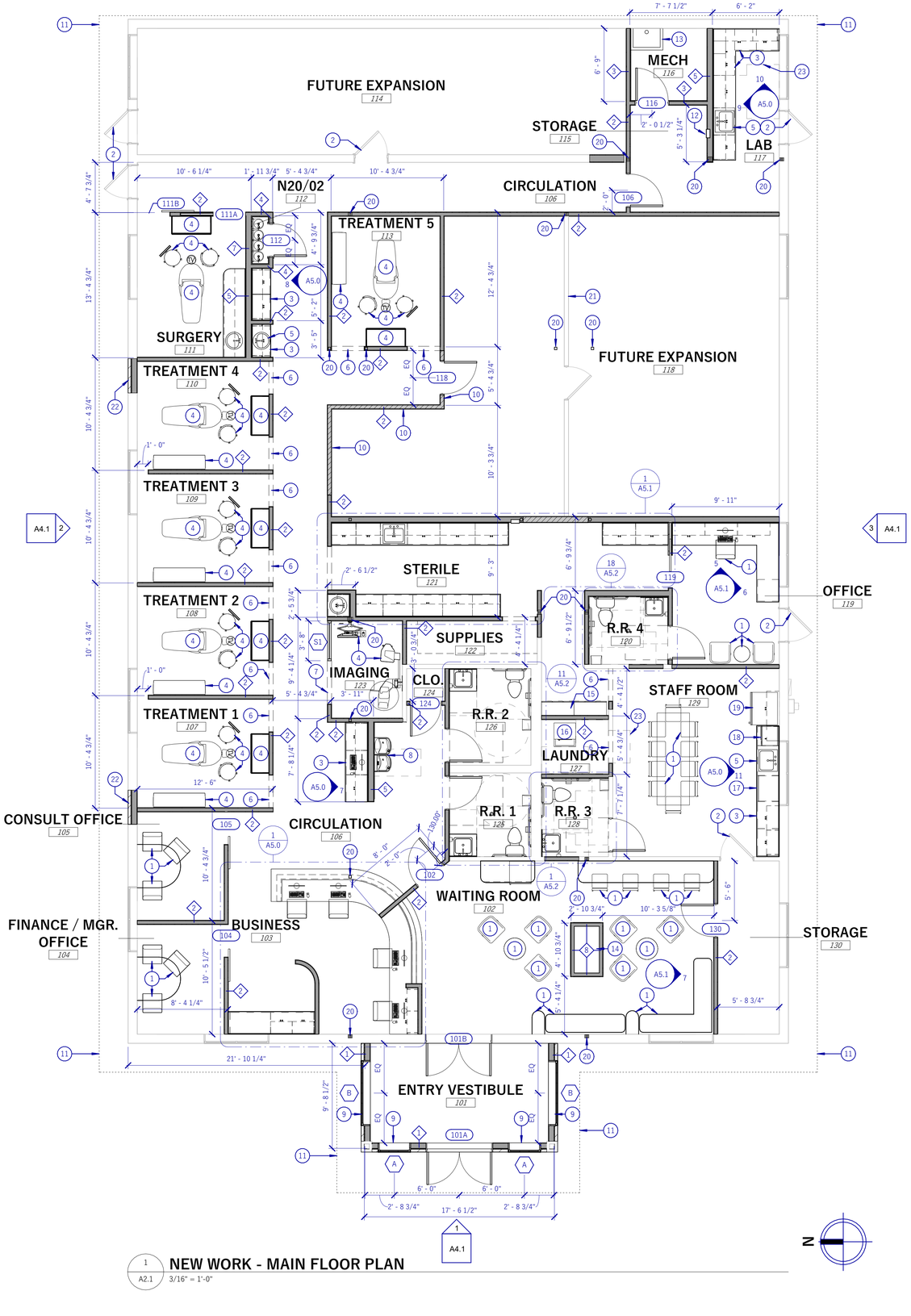


1 A2.1 **NEW WORK - MAIN FLOOR PLAN**

3/16" = 1'-0"

GENERAL NOTES - FLOOR PLAN

A SEE PROJECT GENERAL NOTES FOR ADDITIONAL REQUIREMENTS

B DIMENSIONS TO DOORS AND WINDOWS ARE TO CENTER OF FRAMED OPENING UNLESS NOTED OTHERWISE

C DIMENSIONS TO EXISTING WALLS ARE TO FINISH FACE

D REFER TO ENLARGED PLANS FOR REMAINING DIMENSIONS

E SOME EXISTING CONDITIONS MAY NOT BE SHOWN FOR CLARITY, CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS

F COORDINATE PLANS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS

KEYED NOTES

1 FURNITURE AS PER OWNER

2 EXISTING DOOR(S) TO REMAIN

3 CASEWORK, SEE ELEVATION

4 OWNER SUPPLIED EQUIPMENT, COORDINATE WITH EQUIPMENT SUPPLIER ON TYPE, LOCATION, & REQUIREMENTS

5 SINK, COORDINATE SELECTION WITH OWNER

6 3'-0" X 6'-8" SQUARED OPENING, FINISH AS PER OWNER

7 4'-0" X 6'-8" SQUARED OPENING, FINISH AS PER OWNER

8 DRINKING FOUNTAIN, COORDINATE SELECTION WITH OWNER

9 NEW WINDOW TO MATCH EXISTING WINDOWS, COORDINATE WITH GC AND OWNER

10 TEMPORARY WALL

11 ROOF LINE ABOVE

12 FIRE EXTINGUISHER CABINET

13 MOP SINK, COORDINATE SELECTION WITH OWNER

14 FIREPLACE, COORDINATE SELECTION WITH OWNER

15 LOCKERS, COORDINATE SELECTION WITH OWNER

16 STACKING WASHER & DRYER, COORDINATE SELECTION WITH OWNER

17 DISHWASHER, COORDINATE SELECTION WITH OWNER

18 MICROWAVE, COORDINATE SELECTION WITH OWNER

19 REFRIGERATOR, COORDINATE SELECTION WITH OWNER

20 NEW STRUCTURAL COLUMN, SEE STRUCTURAL DRAWINGS

21 EXISTING WALL TO REMAIN, TO BE DEMOLISHED IN FUTURE EXPANSION

22 EXISTING DOOR AND FRAME TO BE REMOVED. PROVIDE INFILL WALL TO MATCH ADJACENT EXISTING CONSTRUCTION.

23 T-SHAPED ADA TURNAROUND SPACE

CONSULTANT

DR. BAILEY DENTAL
12257 S 800 E
DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

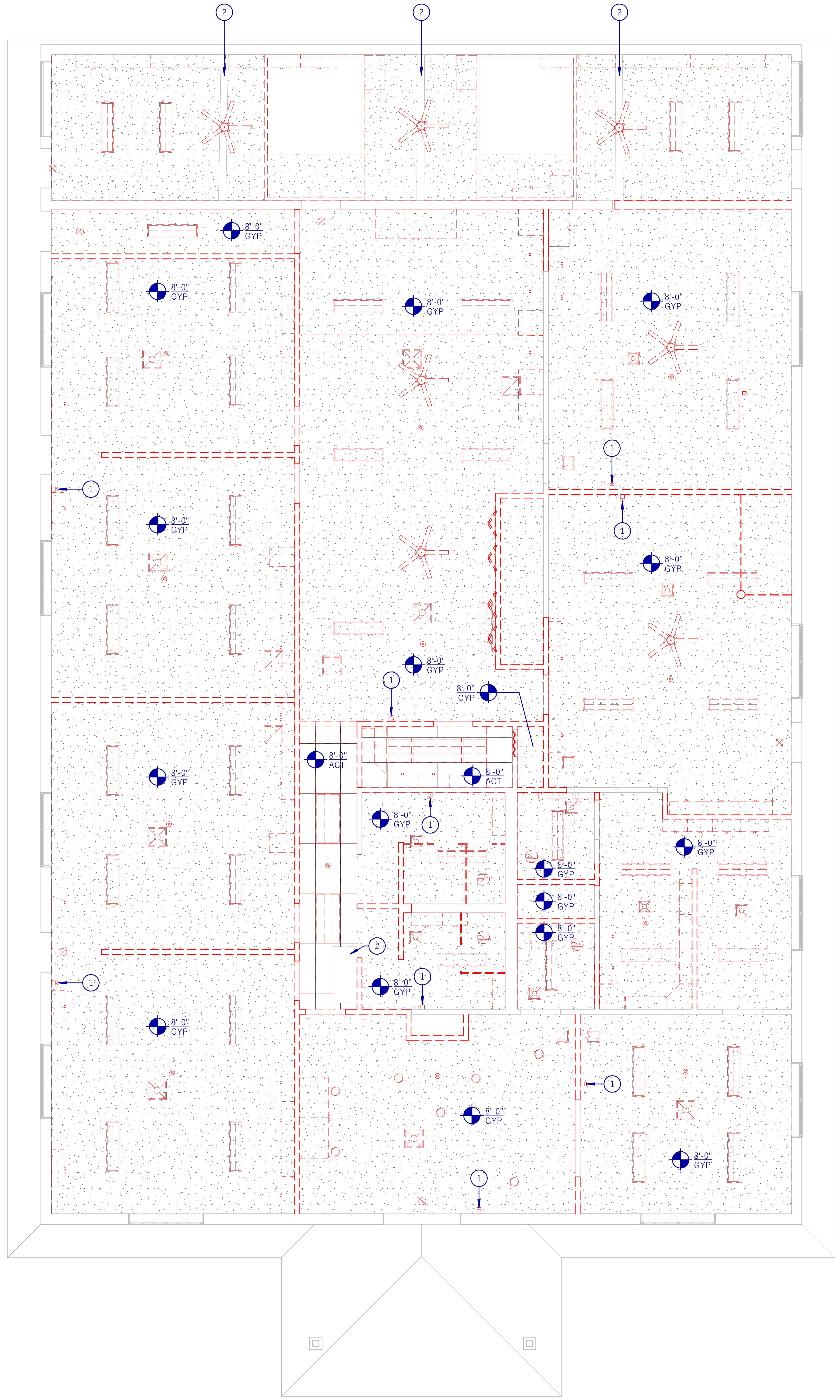
NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. [illegible]
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

NEW WORK - MAIN FLOOR PLAN

A2.1



1
A3.0
DEMOLITION - REFLECTED CEILING PLAN
3/16" = 1'-0"

N

GENERAL NOTES - DEMOLITION

A ALL EXISTING PLUMBING FIXTURES TO BE DEMOLISHED, PLUMBING TO BE CAPPED.

B SCOPE OF EXISTING HVAC DUCTING TO BE DEMOLISHED TO BE COORDINATED WITH GC.

C SCOPE OF EXISTING ELECTRICAL TO BE CAPPED AT ELECTRICAL PANEL TO BE COORDINATED WITH GC.

D CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE.

E DEMOLITION DRAWINGS REPRESENT EXISTING CONDITIONS BASED ON LIMITED EXISTING DRAWINGS AND SITE OBSERVATIONS, CONTRACTOR TO FIELD VERIFY ALL EXISTING BUILDING AND SITE CONDITIONS.

F DEMOLITION DRAWINGS GENERALLY INDICATE EXISTING SCOPE OF WORK TO BE DEMOLISHED AND ARE NOT INTENDED TO LIMIT OR FULLY DEFINE THE SCOPE OF WORK TO BE REMOVED IN ORDER TO ACCOMPLISH SCOPE OF NEW CONSTRUCTION,WHERE THESE CONDITIONS OCCUR OUTSIDE OF THE DEMOLITION LIMITS, AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AS PART OF THE NEW CONSTRUCTION SCOPE OF WORK.

G CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITION AND CONSTRUCTION DOCUMENTS.

H REFERENCE MEP DRAWINGS FOR OTHER DISCIPLINE DEMOLITION SCOPE OF WORK WHERE APPLICABLE.

I CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXITS UNOBSTRUCTED, ILLUMINATED, AND PROTECTED FROM CONSTRUCTION ACTIVITIES.

J PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. TRANSPORT DEMOLISHED MATERIALS AND LEGALLY DISPOSE OF THEM.

K ALL EXISTING CEILINGS AND BULKHEADS TO BE DEMOLISHED. EXPLORATORY DEMO REQUIRED TO DETERMINE EXTENT OF EXISTING STRUCTURE. COORDINATE WITH GC.

L ALL EXISTING CASEWORK TO BE DEMOLISHED.

KEYED NOTES

1 EXISTING FIRE ALARM TO BE RELOCATED, PLEASE SEE ELECTRICAL SHEETS

2 EXISTING DROP DOWN STAIRS TO REMAIN

SYMBOL LEGEND

EXISTING RECESSED CAN LIGHT.

EXISTING 1'-0" X 4'-0" LIGHT TROFFER.

EXISTING 2'-0" X 4'-0" LIGHT TROFFER.

EXISTING 2'-0" X 2'-0" LIGHT TROFFER.

EXISTING EXIT SIGN.

EXISTING MOTION SENSOR.

EXISTING CEILING FAN.

EXISTING 1'-6" X 1'-6" SUPPLY AIR DIFFUSER.

EXISTING 1'-0" X 2'-0" SUPPLY AIR DIFFUSER.

EXISTING 1'-6" X 1'-6" AIR RETURN.

EXISTING 1'-0" X 1'-0" AIR RETURN.

EXISTING GYP. CEILING

EXISTING GYP. CEILING

DEMOLISHED.

CONSULTANT

DR. BAILEY DENTAL

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ISSUED:
JANUARY 27, 2026

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STATE OF UTAH
PAUL R. [signature]
No. 372770
1/27/2028
LICENSED ARCHITECT

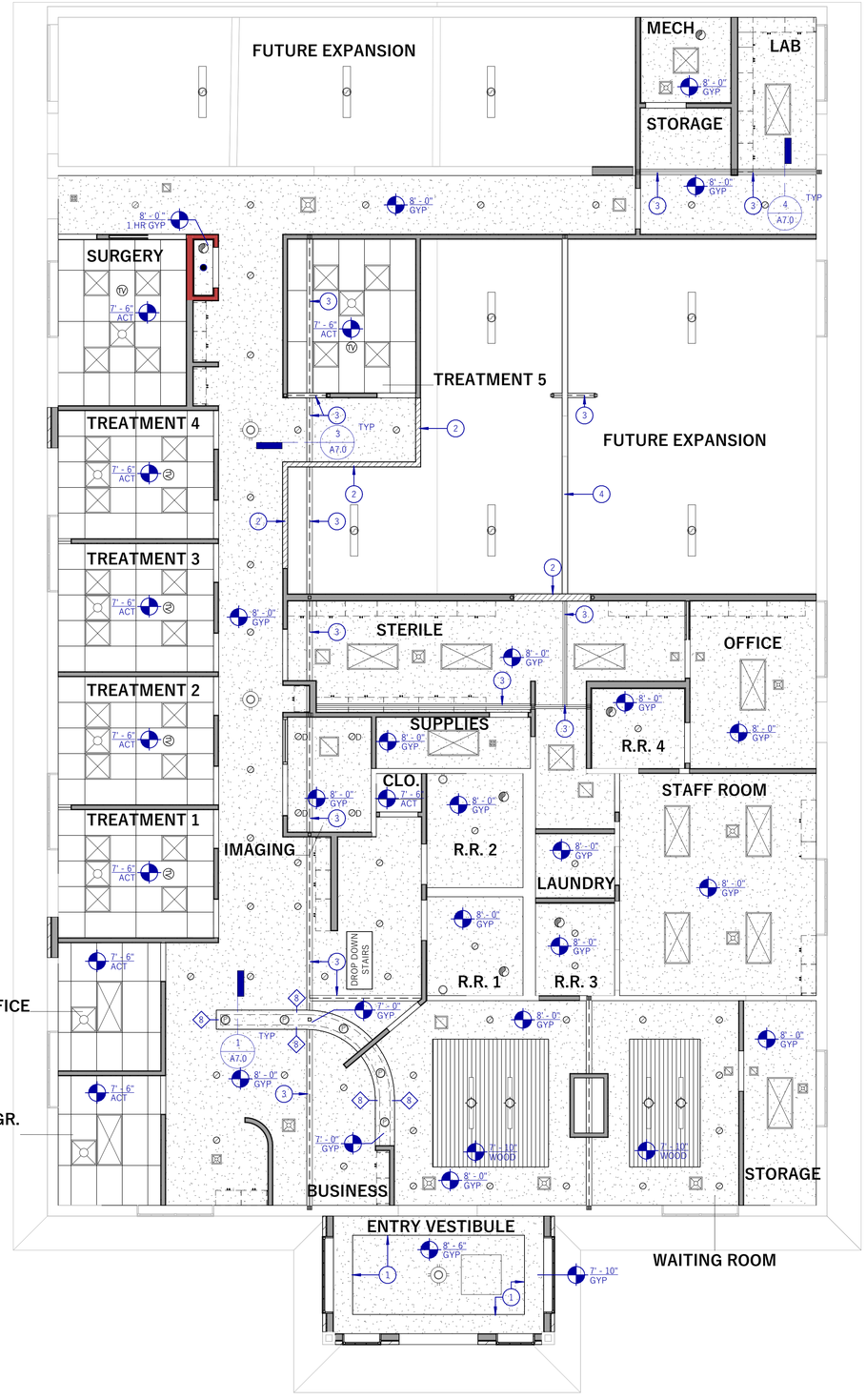
PROJECT NUMBER:
25082

DEMOLITION - REFLECTED CEILING PLAN

A3.0

JZW ARCHITECTS

45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM



1 / A3.1 **NEW WORK - REFLECTED CEILING PLAN**
3/16" = 1'-0"

N

GENERAL NOTES - RCP

A SEE PROJECT GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

B REFER TO DETAILS FOR REQUIRED ANCHORING AND BRACING OF SUSPENDED CEILING SYSTEM.

C ALL CEILING MOUNTED EQUIPMENT (LIGHT FIXTURES, EXIT SIGNS, MOTION SENSORS, FIRE SPRINKLER HEADS, ETC.) TO BE CENTERED IN ACOUSTICAL PANEL OR GYP. BD. CEILING.

D ALL ELECTRICAL EQUIPMENT TO BE COORDINATED WITH ELECTRICAL DRAWINGS, SEE 'E' SERIES.

KEYED NOTES

1 LED SOFFIT LIGHTING
2 TEMPORARY WALL
3 NEW STRUCTURAL BEAM, SEE STRUCTURAL DRAWINGS
4 EXISTING WALL TO REMAIN, TO BE DEMOLISHED IN FUTURE EXPANSION

SYMBOL LEGEND

SURFACE MOUNTED PUCK LIGHT. REFER TO ELECTRICAL DRAWINGS

DIMMABLE SURFACE MOUNTED PUCK LIGHT. REFER TO ELECTRICAL DRAWINGS

CEILING MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS

PENDANT LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS

CEILING MOUNTED LINEAR LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS

SUSPENDED LINEAR LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS

CEILING MOUNTED TV. REFER TO ELECTRICAL DRAWINGS

2X2 DIRECT/INDIRECT LED LIGHT. REFER TO ELECTRICAL DRAWINGS

2X4 DIRECT/INDIRECT LED LIGHT. REFER TO ELECTRICAL DRAWINGS

CEILING DIFFUSER. REFER TO MECHANICAL DRAWINGS

CEILING RETURN. REFER TO MECHANICAL DRAWINGS

VENTILATION FAN. REFER TO MECHANICAL DRAWINGS

CEILING CASSETTE. REFER TO MECHANICAL DRAWINGS.

GYP BD CEILING.

2 X 4 ACT CEILING.

ACCENT CEILING. COORDINATE WITH OWNER

FIRE SPRINKLER.

CONSULTANT

DR. BAILEY DENTAL
12257 S 800 E
DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

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STATE OF UTAH
PAUL R. [illegible]
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

NEW WORK - REFLECTED CEILING PLAN

A3.1

GENERAL NOTES - DEMOLITION

A ALL EXISTING PLUMBING FIXTURES TO BE DEMOLISHED, PLUMBING TO BE CAPPED.

B SCOPE OF EXISTING HVAC DUCTING TO BE DEMOLISHED TO BE COORDINATED WITH GC.

C SCOPE OF EXISTING ELECTRICAL TO BE CAPPED AT ELECTRICAL PANEL TO BE COORDINATED WITH GC.

D CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE.

E DEMOLITION DRAWINGS REPRESENT EXISTING CONDITIONS BASED ON LIMITED EXISTING DRAWINGS AND SITE OBSERVATIONS, CONTRACTOR TO FIELD VERIFY ALL EXISTING BUILDING AND SITE CONDITIONS.

F DEMOLITION DRAWINGS GENERALLY INDICATE EXISTING SCOPE OF WORK TO BE DEMOLISHED AND ARE NOT INTENDED TO LIMIT OR FULLY DEFINE THE SCOPE OF WORK TO BE REMOVED IN ORDER TO ACCOMPLISH SCOPE OF NEW CONSTRUCTION.WHERE THESE CONDITIONS OCCUR OUTSIDE OF THE DEMOLITION LIMITS, AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AS PART OF THE NEW CONSTRUCTION SCOPE OF WORK.

G CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITION AND CONSTRUCTION DOCUMENTS.

H REFERENCE MEP DRAWINGS FOR OTHER DISCIPLINE DEMOLITION SCOPE OF WORK WHERE APPLICABLE.

I CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXITS UNOBSTRUCTED, ILLUMINATED, AND PROTECTED FROM CONSTRUCTION ACTIVITIES.

J PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. TRANSPORT DEMOLISHED MATERIALS AND LEGALLY DISPOSE OF THEM.

K ALL EXISTING CEILINGS AND BULKHEADS TO BE DEMOLISHED. EXPLORATORY DEMO REQUIRED TO DETERMINE EXTENT OF EXISTING STRUCTURE. COORDINATE WITH GC.

L ALL EXISTING CASEWORK TO BE DEMOLISHED.

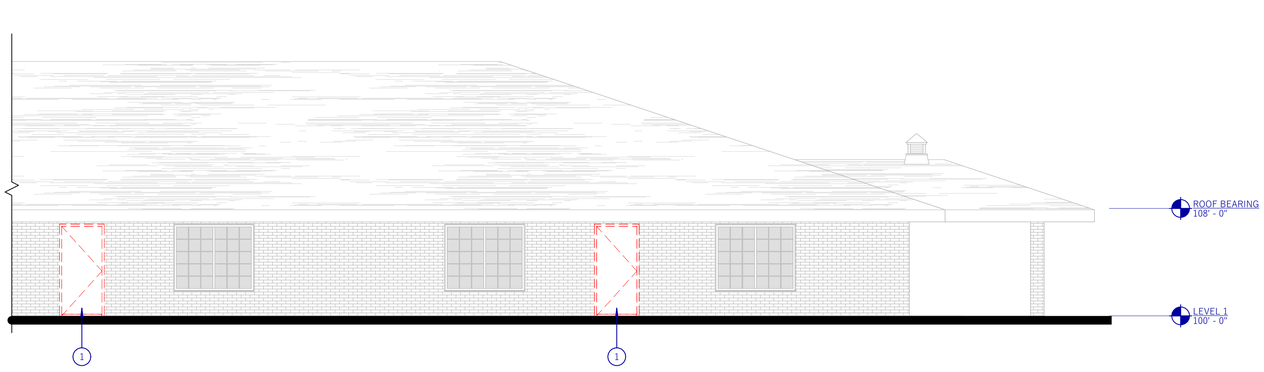
KEYED NOTES

1 EXISTING DOOR AND FRAME TO BE REMOVED. PROVIDE INFILL WALL TO MATCH ADJACENT EXISTING CONSTRUCTION.

2 EXISTING DOOR TO BE REPLACED

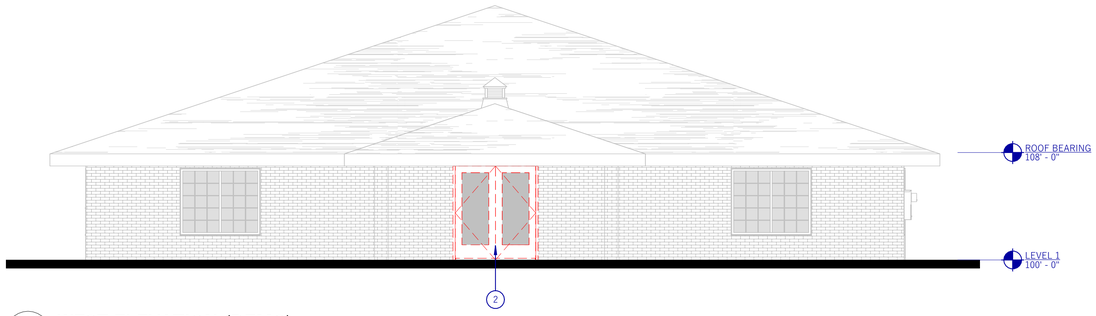
LEGEND

— — — DEMOLISHED



2 A4.0 **NORTH ELEVATION (DEMO)**

3/16" = 1'-0"



1 A4.0 **WEST ELEVATION (DEMO)**

3/16" = 1'-0"

CONSULTANT

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WORTHINGTON
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

DEMOLITION - ELEVATIONS

A4.0

45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM

JZW ARCHITECTS

GENERAL NOTES - ELEVATIONS

A SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

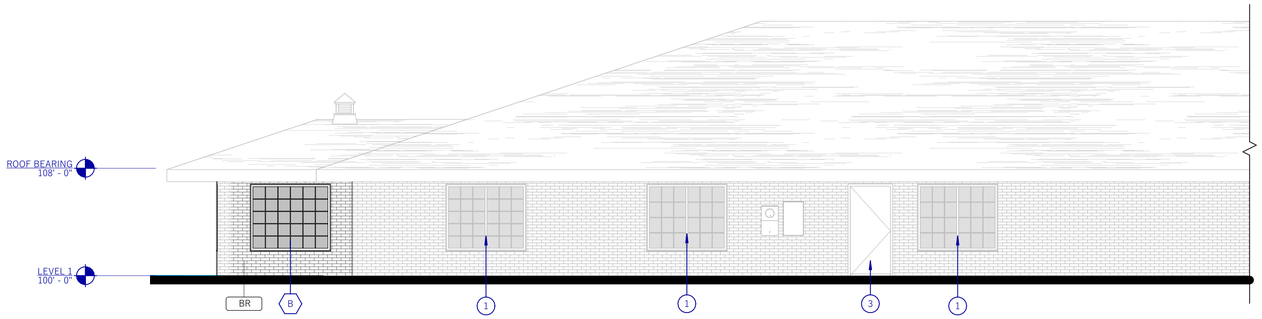
B COORDINATE WINDOW HEIGHTS WITH WINDOW SCHEDULE.

KEYED NOTES

1 EXISTING WINDOW TO REMAIN

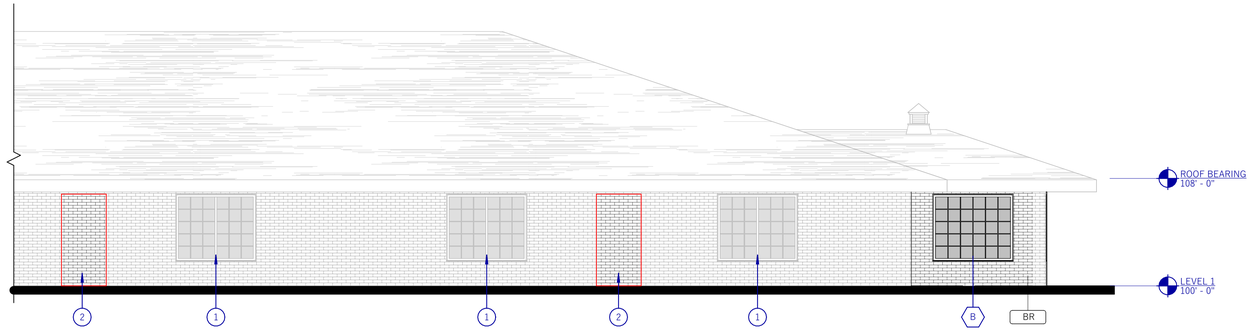
2 EXISTING DOOR AND FRAME TO BE REMOVED. PROVIDE INFILL WALL TO MATCH ADJACENT EXISTING CONSTRUCTION.

3 EXISTING DOOR



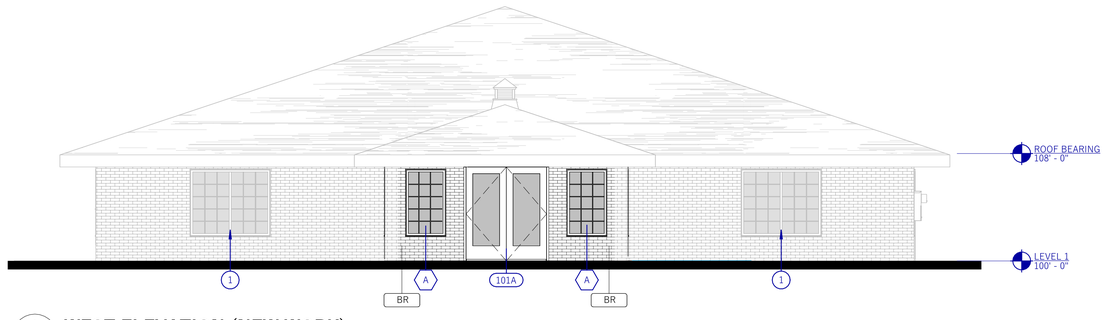
3 / A4.1 **SOUTH ELEVATION (NEW WORK)**

3/16" = 1'-0"



2 / A4.1 **NORTH ELEVATION (NEW WORK)**

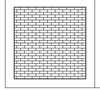
3/16" = 1'-0"



1 / A4.1 **WEST ELEVATION (NEW WORK)**

3/16" = 1'-0"

EXTERIOR MATERIAL LEGEND

IMAGE	TAG	DESCRIPTION
	BR	BRICK MATCH EXISTING

CONSULTANT

DR. BAILEY DENTAL

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DRAPER, UT 84020

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JANUARY 27, 2026

REVISIONS:

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PROJECT NUMBER:
25082

NEW WORK - ELEVATIONS

A4.1

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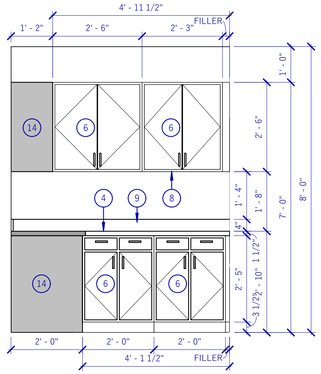
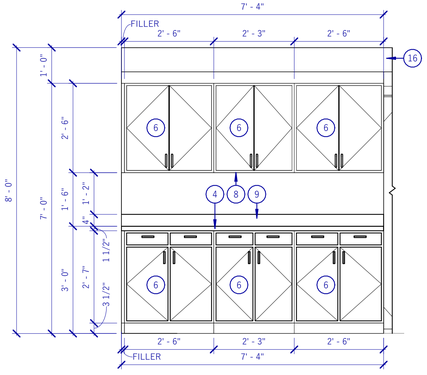
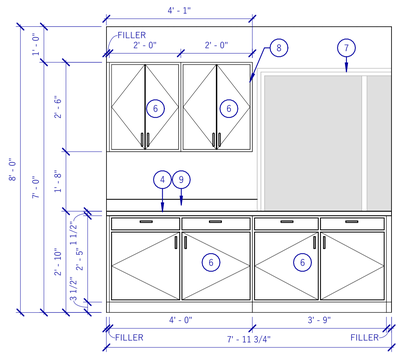
JZW ARCHITECTS



10 A5.0 **LAB 117 ELEVATION 2**
1/2" = 1'-0"



7 A5.0 **HALLWAY ELEVATION 1**
1/2" = 1'-0"



6 A5.0 **BUSINESS 103 ELEVATION 5**
1/2" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

A SEE GENERAL NOTES ON SHEET G1.1 FOR ADDITIONAL REQUIREMENTS.

C COORDINATE ALL WINDOW HEAD HEIGHTS AND SIZES WITH ELEVATIONS AND WINDOW SCHEDULE.

D DIMENSION TO DOORS AND WINDOWS ARE TO CENTER OF FRAMED OPENING UNLESS NOTED OTHERWISE.

E DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE

F DIMENSIONS ARE NOT TO BE SCALED OFF DRAWINGS. DIRECT ALL QUESTIONS REGARDING PROJECT DIMENSIONS TO THE ARCHITECT

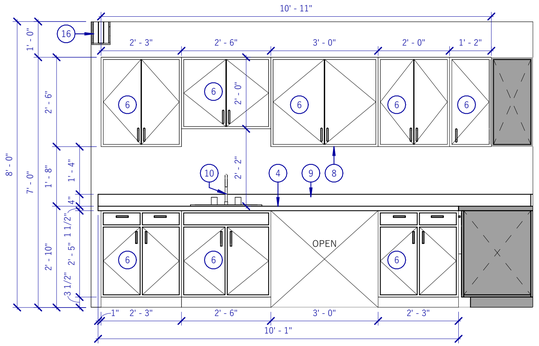
H ALL MILLWORK DIMENSIONS TO BE FIELD VERIFIED

J MAXIMUM OUTLET HEIGHT ON KITCHEN COUNTERS TO BE 44". OTHER OUTLETS TO BE A MINIMUM OF 15" OFF FLOOR TO A MAXIMUM OF 48"

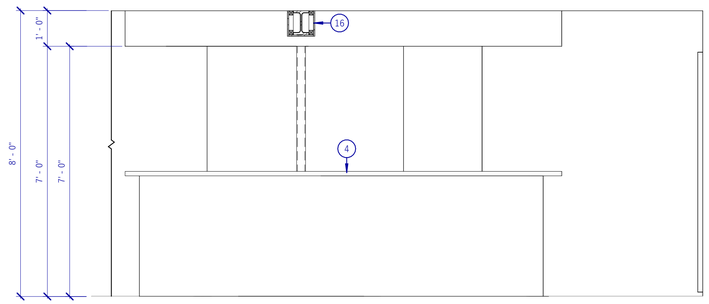
K CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL CUSTOM CASEWORK

KEYED NOTES

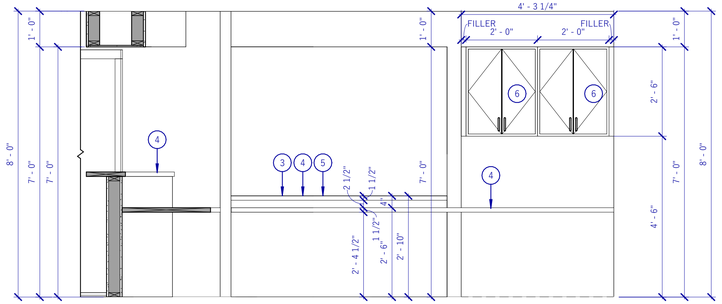
1 FURNITURE AS PER OWNER
2 CASEWORK, SEE ELEVATION
3 ADA COMPLIANT SECTION OF RECEPTION DESK. SEE G4.3 AND A6.1 FOR DETAILS
4 COUNTERTOP, FINISH AS PER OWNER
5 ADA TRANSACTION DESK
6 CASEWORK, FINISH AS PER OWNER
7 EXISTING WINDOW
8 UPPER CASEWORK TO BE 14" DEEP TYP.
9 4" BACKSPLASH, FINISH AS PER OWNER
10 SINK, COORDINATE SELECTION WITH OWNER
11 DISHWASHER, COORDINATE SELECTION WITH OWNER
12 REFRIGERATOR, COORDINATE SELECTION WITH OWNER
13 MICROWAVE, COORDINATE SELECTION WITH OWNER
14 BLIND CABINET
15 NEW STRUCTURAL COLUMN, SEE STRUCTURAL DRAWINGS
16 GYP BOXOUT FOR NEW BEAM, SEE SHEET A6.0 FOR DETAILS



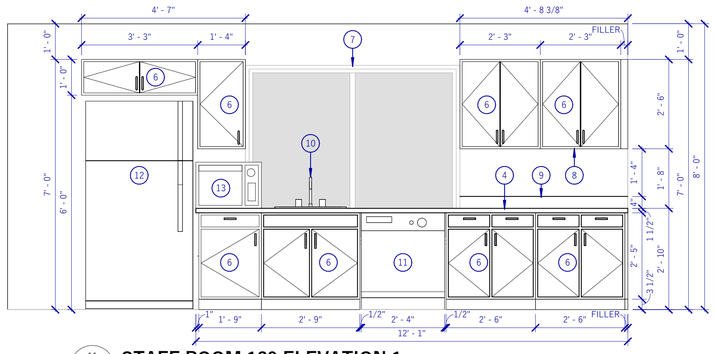
9 A5.0 **LAB 117 ELEVATION 1**
1/2" = 1'-0"



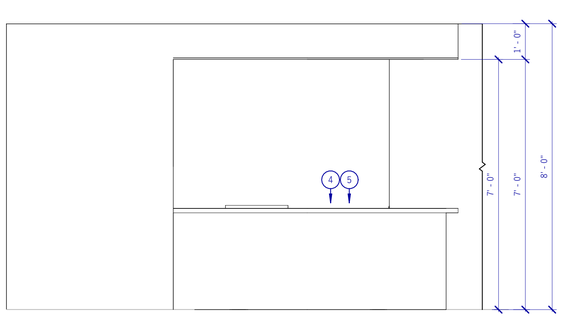
5 A5.0 **BUSINESS 103 ELEVATION 4**
1/2" = 1'-0"



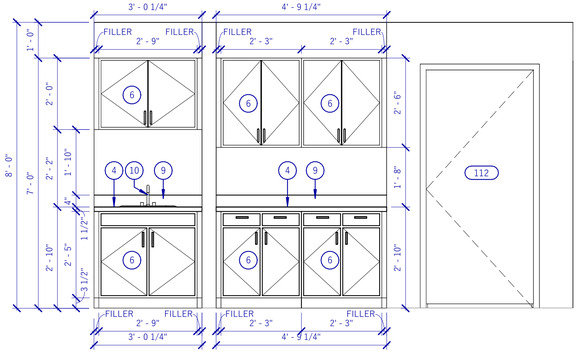
2 A5.0 **BUSINESS 103 ELEVATION 1**
1/2" = 1'-0"



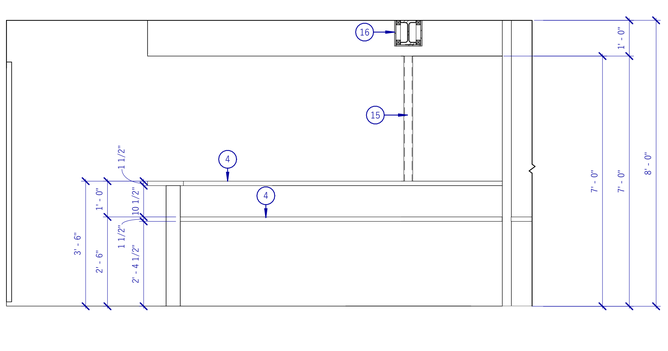
11 A5.0 **STAFF ROOM 129 ELEVATION 1**
1/2" = 1'-0"



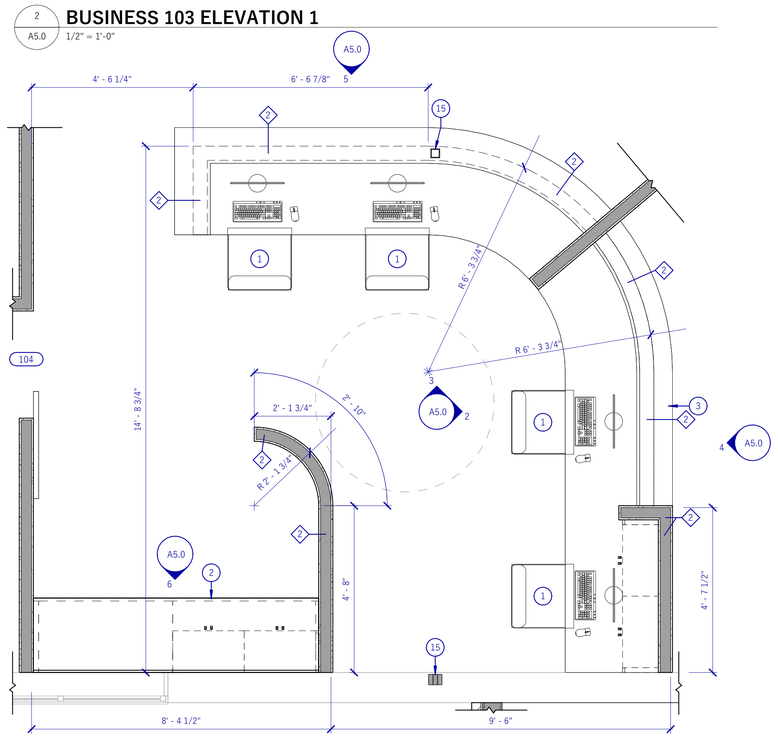
4 A5.0 **BUSINESS 103 ELEVATION 3**
1/2" = 1'-0"



8 A5.0 **HALLWAY ELEVATION 2**
1/2" = 1'-0"



3 A5.0 **BUSINESS 103 ELEVATION 2**
1/2" = 1'-0"



1 A5.0 **BUSINESS 103 ENLARGED FLOOR PLAN**
1/2" = 1'-0"

45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM

CONSULTANT

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R WARDZINSKI
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

LARGE SCALE PLANS/INTERIOR ELEVATIONS

A5.0

JZW ARCHITECTS

GENERAL NOTES - ENLARGED PLANS

A SEE GENERAL NOTES ON SHEET G1.1 FOR ADDITIONAL REQUIREMENTS.

C COORDINATE ALL WINDOW HEAD HEIGHTS AND SIZES WITH ELEVATIONS AND WINDOW SCHEDULE.

D DIMENSION TO DOORS AND WINDOWS ARE TO CENTER OF FRAMED OPENING UNLESS NOTED OTHERWISE.

E DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE

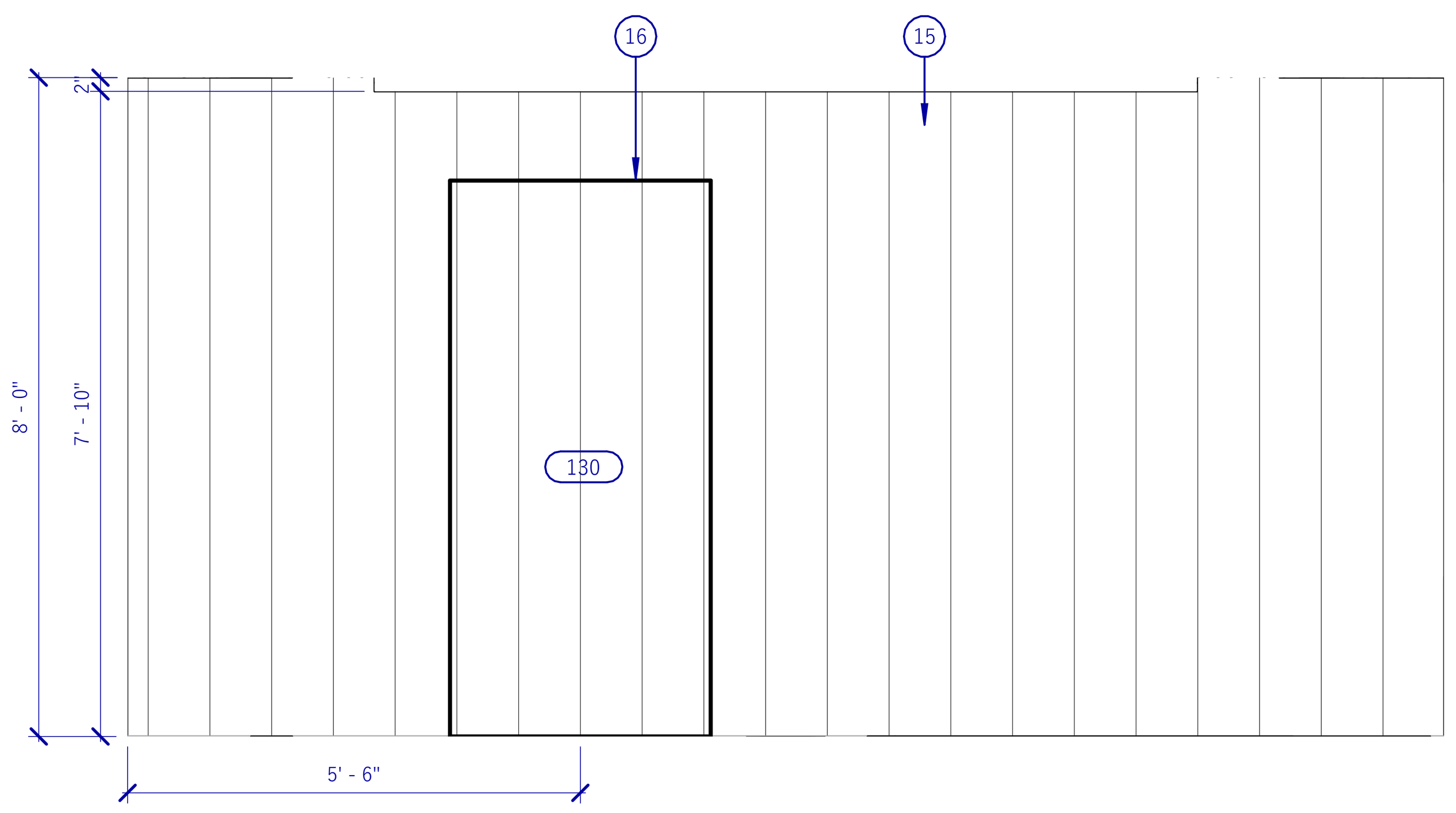
F DIMENSIONS ARE NOT TO BE SCALED OFF DRAWINGS. DIRECT ALL QUESTIONS REGARDING PROJECT DIMENSIONS TO THE ARCHITECT

H ALL MILLWORK DIMENSIONS TO BE FIELD VERIFIED

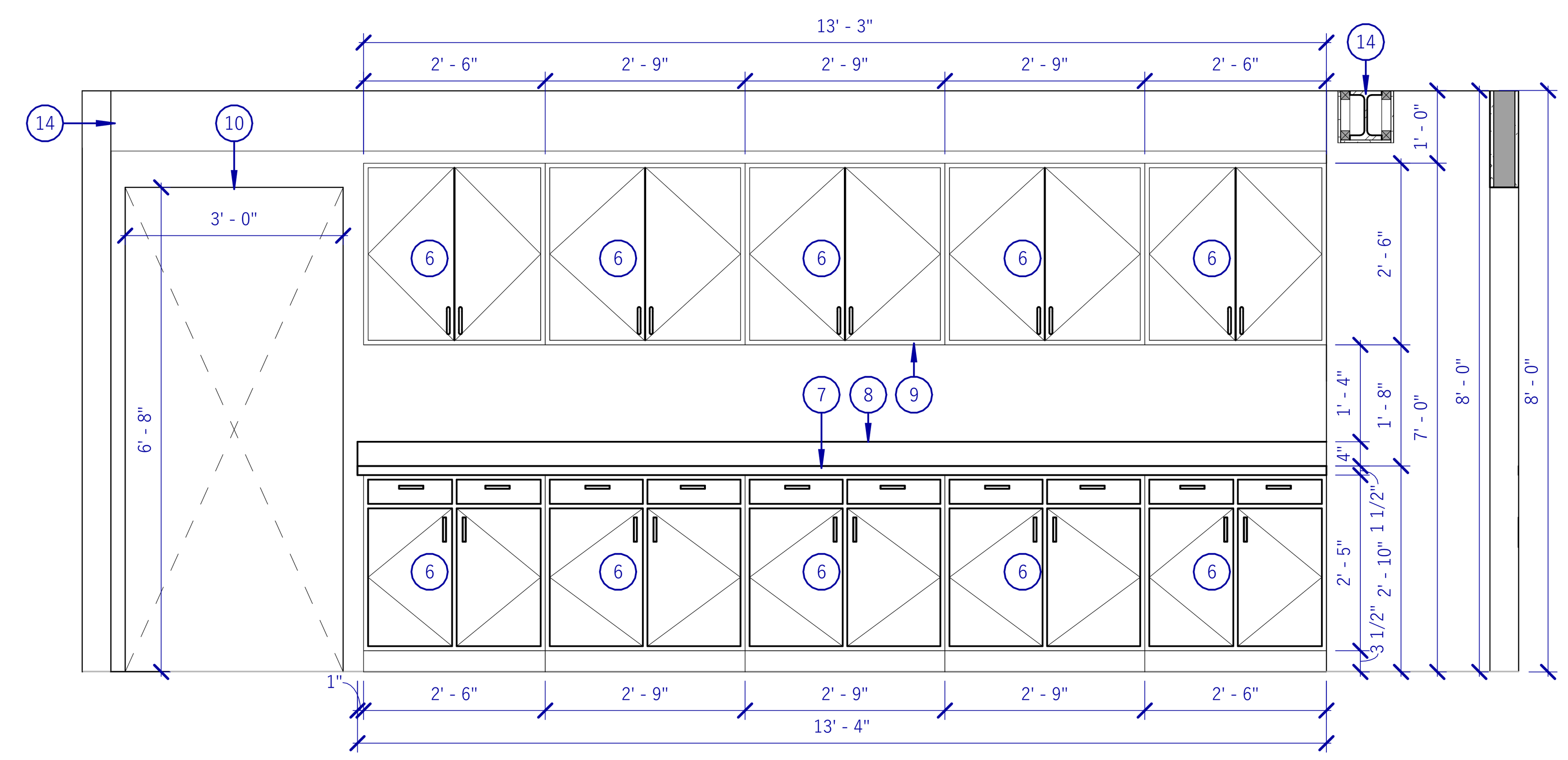
J MAXIMUM OUTLET HEIGHT ON KITCHEN COUNTERS TO BE 44". OTHER OUTLETS TO BE A MINIMUM OF 15" OFF FLOOR TO A MAXIMUM OF 48"

KEYED NOTES

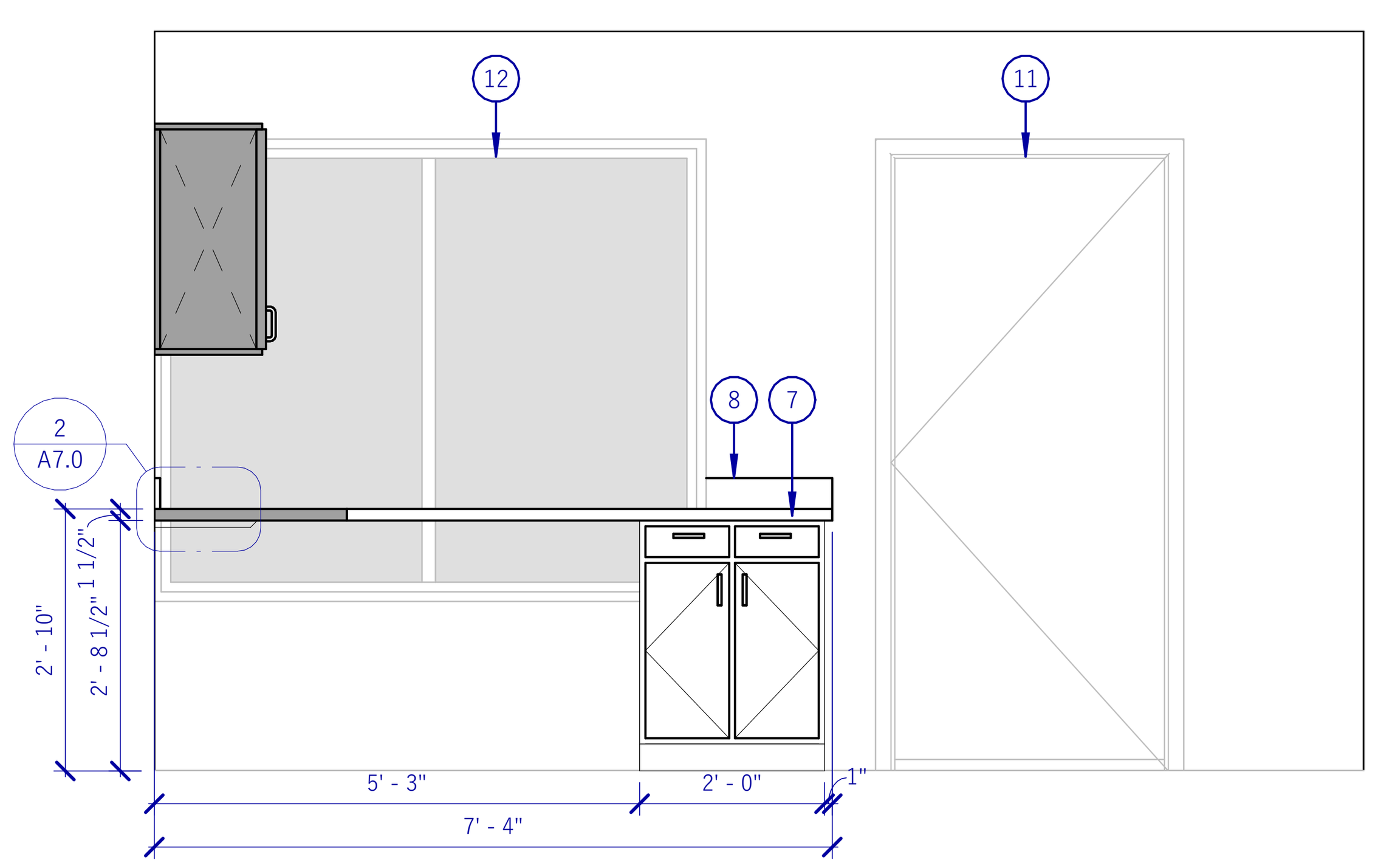
1 CASEWORK, SEE ELEVATION
2 SINK, COORDINATE SELECTION WITH OWNER
3 4'-0" X 6'-8" SQUARED OPENING, FINISH AS PER OWNER
4 FIRE EXTINGUISHER CABINET
5 TEMPORARY WALL
6 CASEWORK, FINISH AS PER OWNER
7 COUNTERTOP, FINISH AS PER OWNER
8 4" BACKSPLASH, FINISH AS PER OWNER
9 UPPER CASEWORK TO BE 14" DEEP TYP.
10 3'-0" X 6'-8" SQUARED OPENING, FINISH AS PER OWNER
11 EXISTING DOOR
12 EXISTING WINDOW
13 NEW STRUCTURAL COLUMN, SEE STRUCTURAL DRAWINGS
14 GYP BOXOUT FOR NEW BEAM, SEE SHEET A6.0 FOR DETAILS
15 SLAT FEATURE WALL; COORDINATE FINAL DESIGN AND MATERIAL WITH GC/OWNER
16 STEALTH JIB DOOR FINISHED TO MATCH WALL; COORDINATE FINAL DESIGN AND MATERIAL WITH GC/OWNER



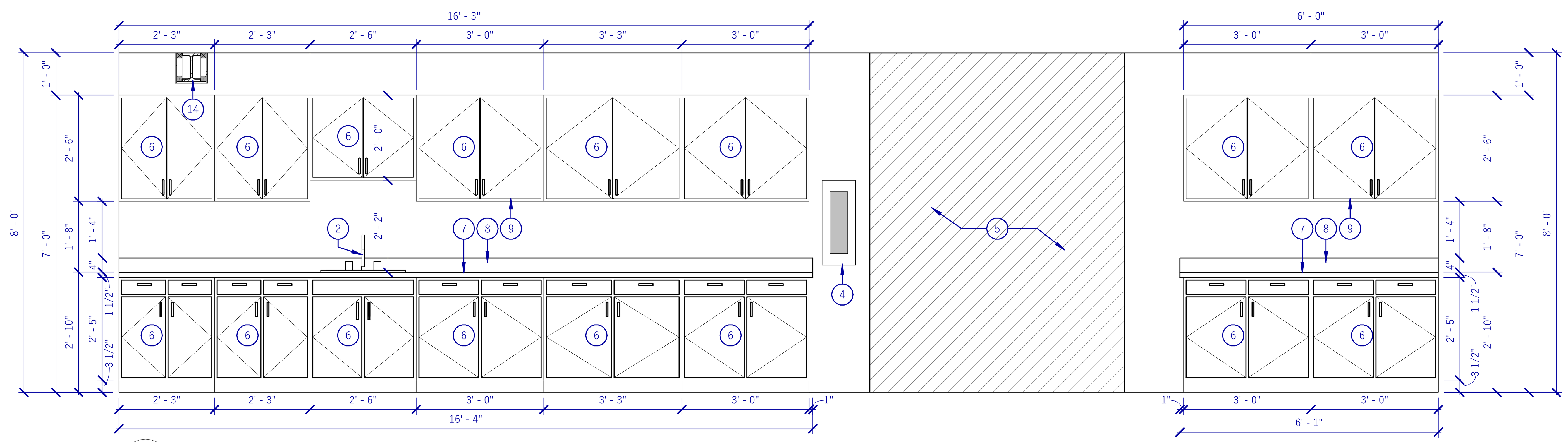
7 / A5.1 **WAITING ROOM 102 ELEVATION**
1/2" = 1'-0"



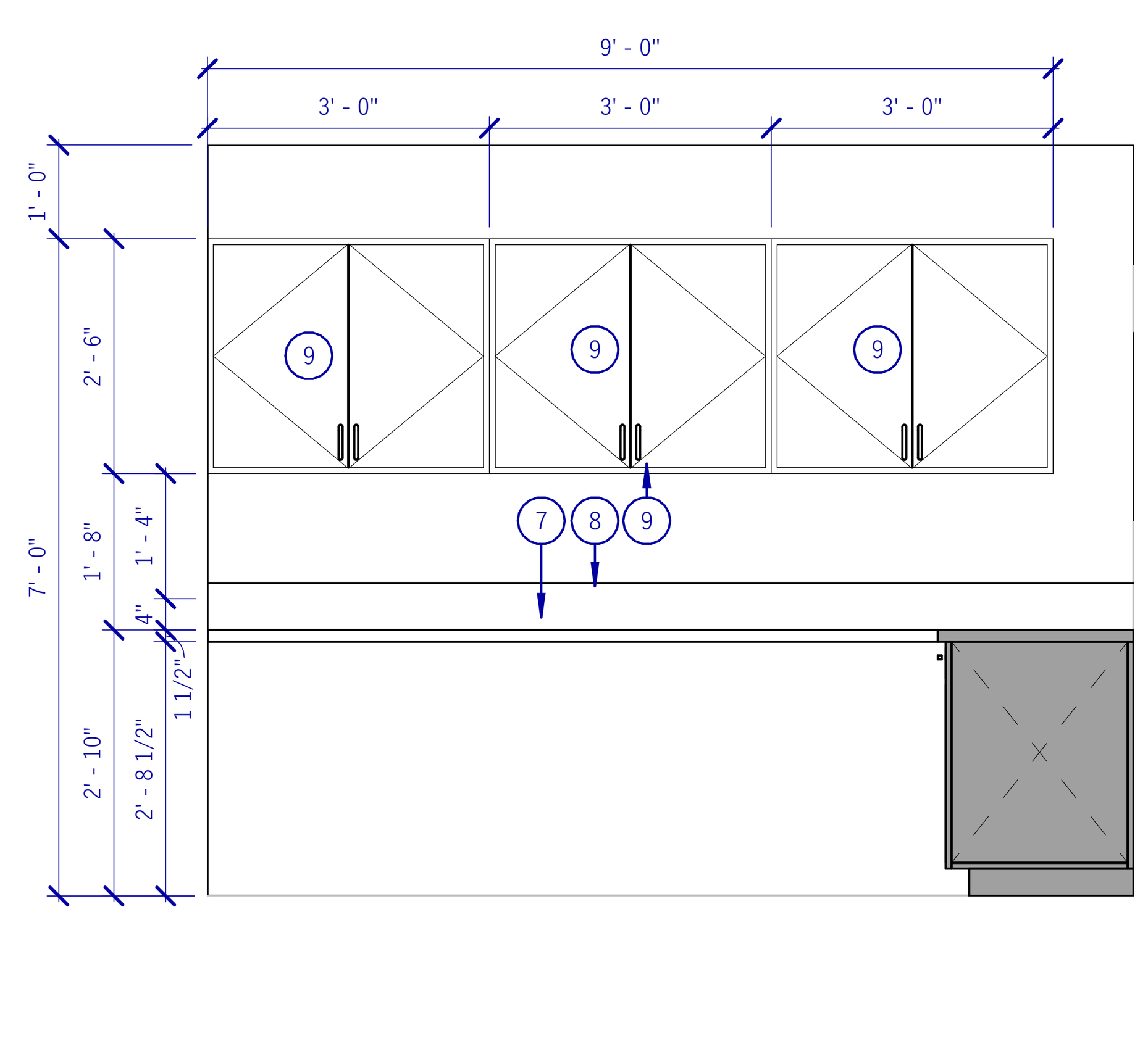
3 / A5.1 **STERILE 121 ELEVATION 2**
1/2" = 1'-0"



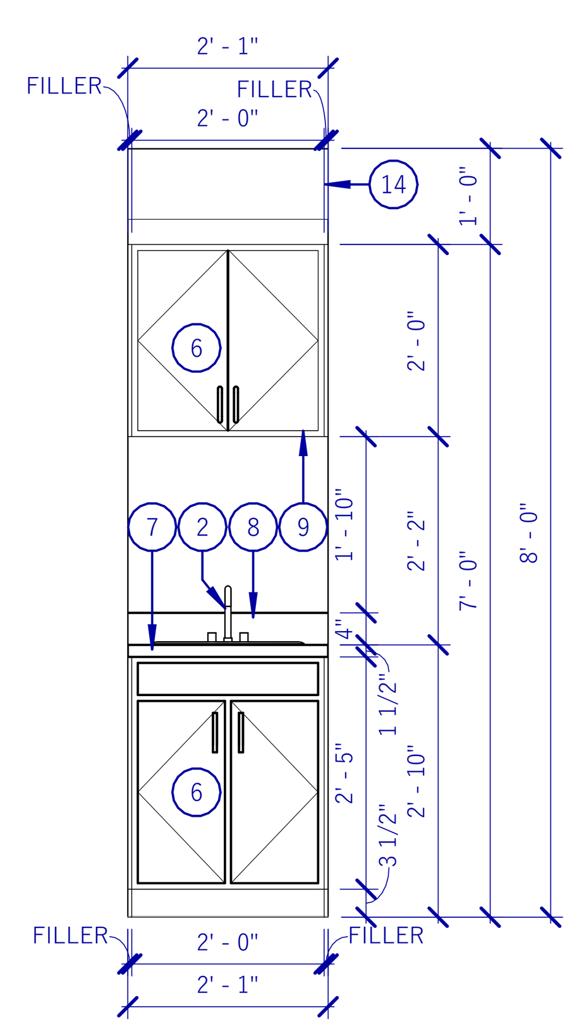
6 / A5.1 **OFFICE 119 ELEVATION 2**
1/2" = 1'-0"



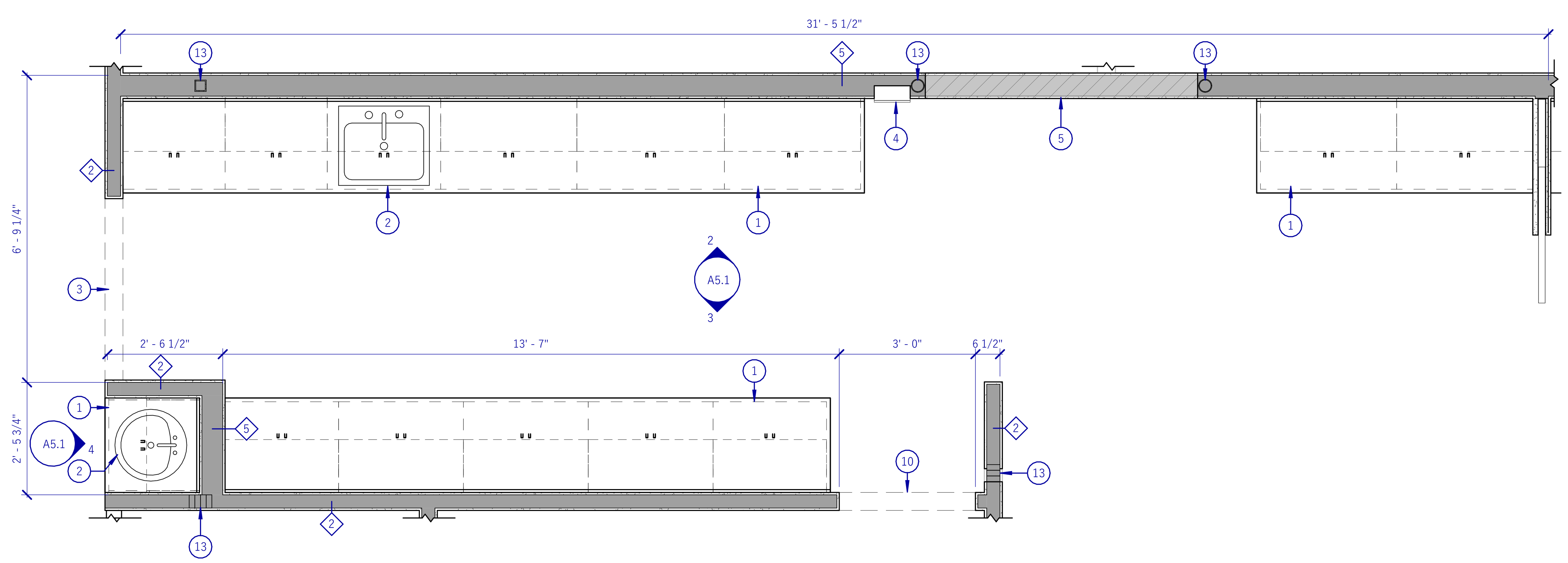
2 / A5.1 **STERILE 121 ELEVATION 1**
1/2" = 1'-0"



5 / A5.1 **OFFICE 119 ELEVATION 1**
1/2" = 1'-0"



4 / A5.1 **STERILE 121 ELEVATION 3**
1/2" = 1'-0"



1 / A5.1 **STERILE 121 ENLARGED FLOOR PLAN**
1/2" = 1'-0"

CONSULTANT

DR. BAILEY DENTAL

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DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH — PAUL R. WARNOCK — No. 372770 — 1/27/2028 — LICENSED ARCHITECT

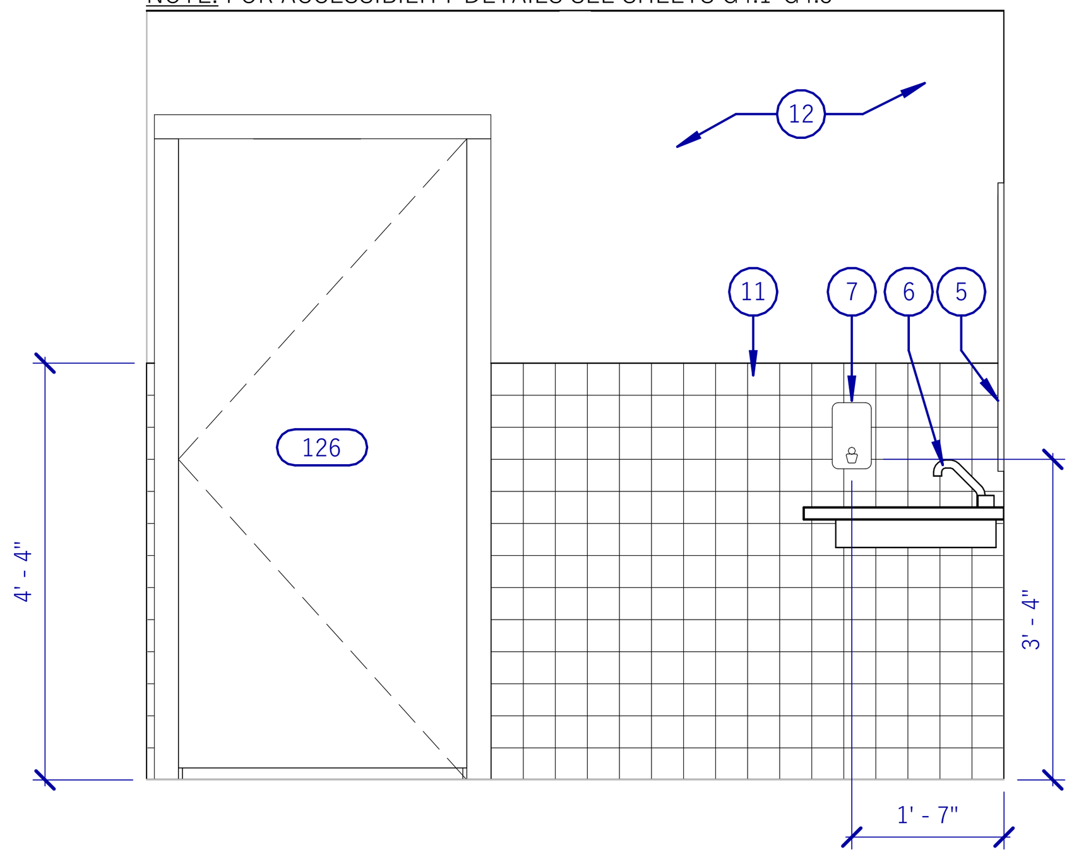
PROJECT NUMBER:
25082

LARGE SCALE PLANS/INTERIOR ELEVATIONS

A5.1

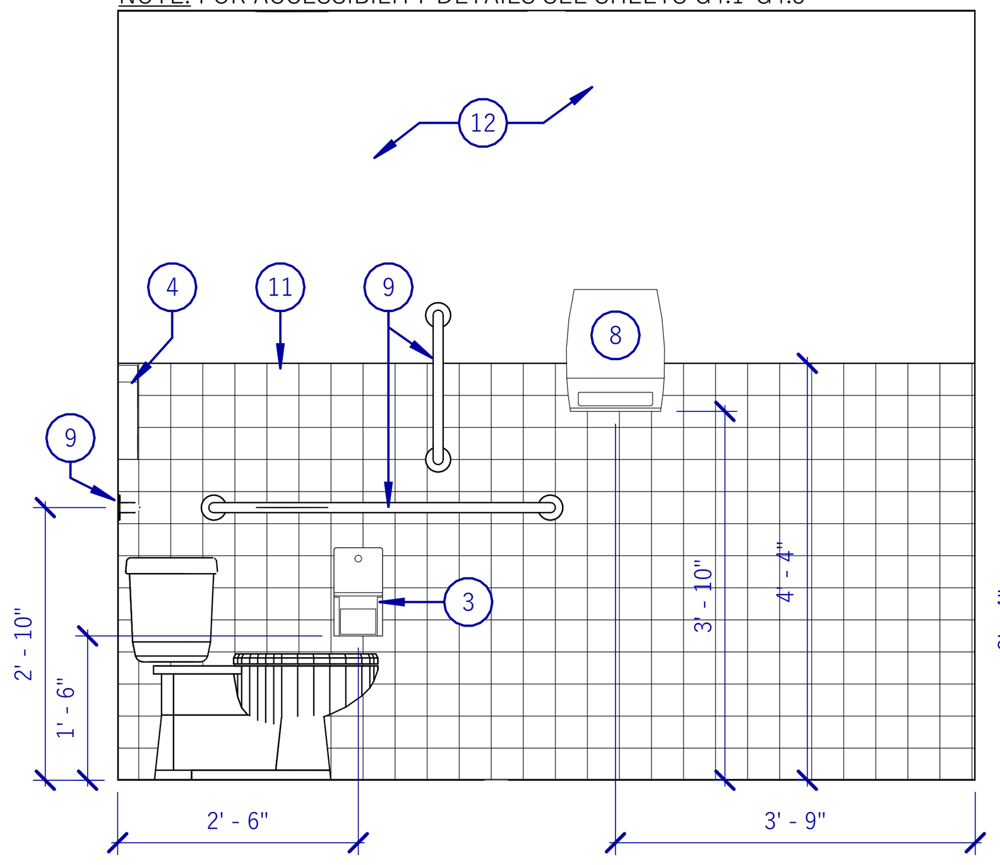
JZW ARCHITECTS

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



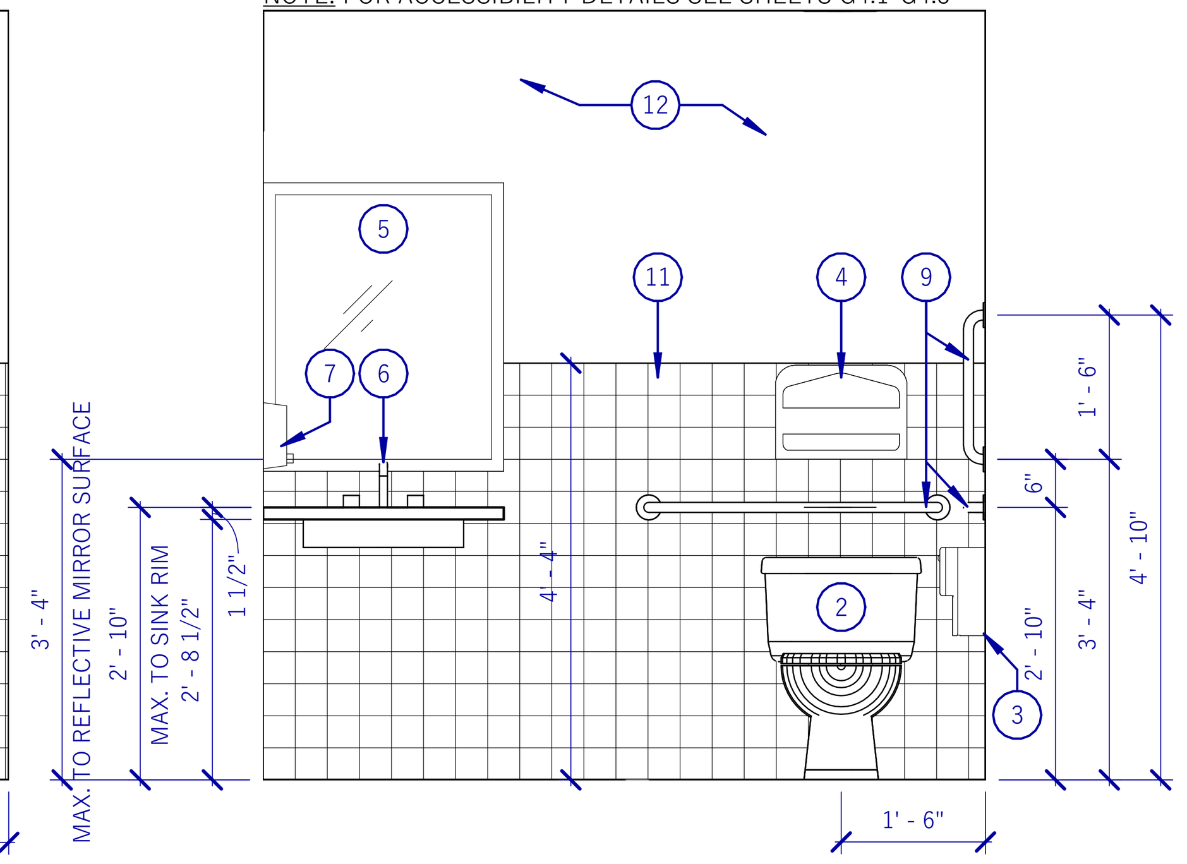
17 A5.2 **R.R. 126 ELEVATION 3**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



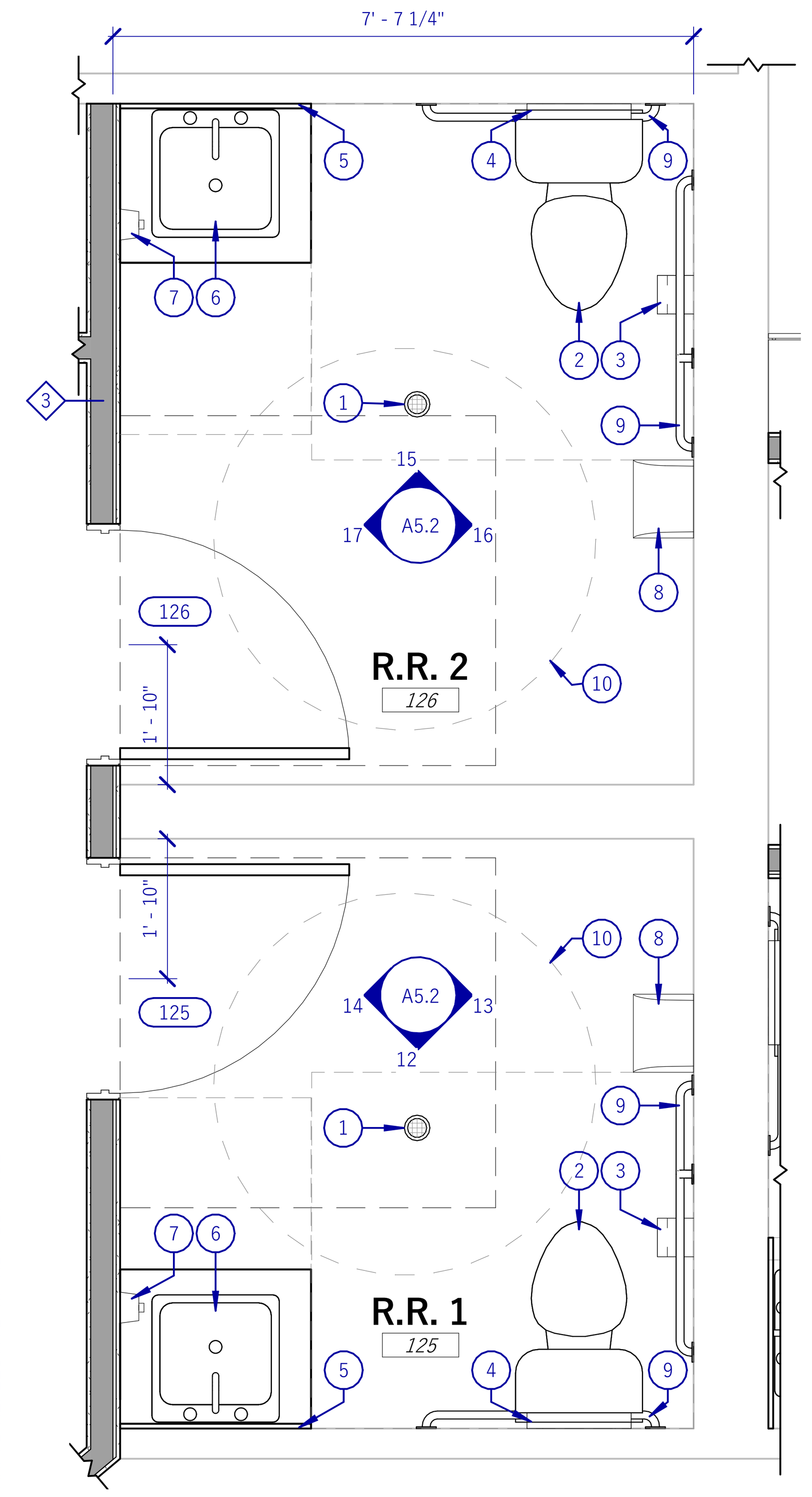
16 A5.2 **R.R. 126 ELEVATION 2**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



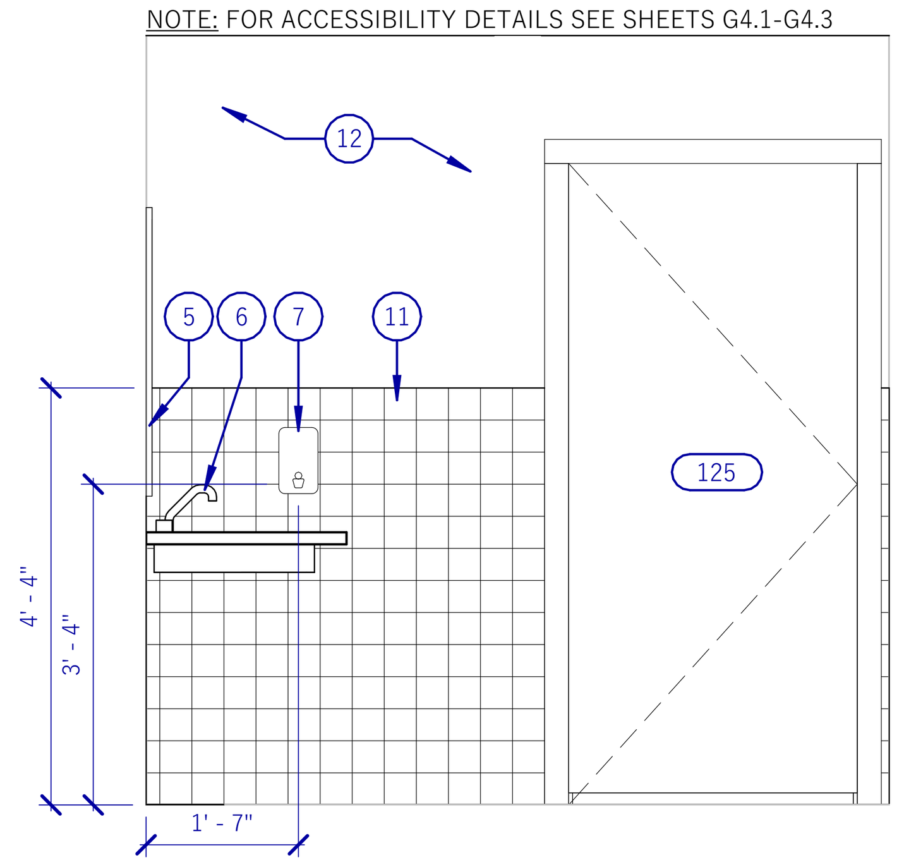
15 A5.2 **R.R. 126 ELEVATION 1**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



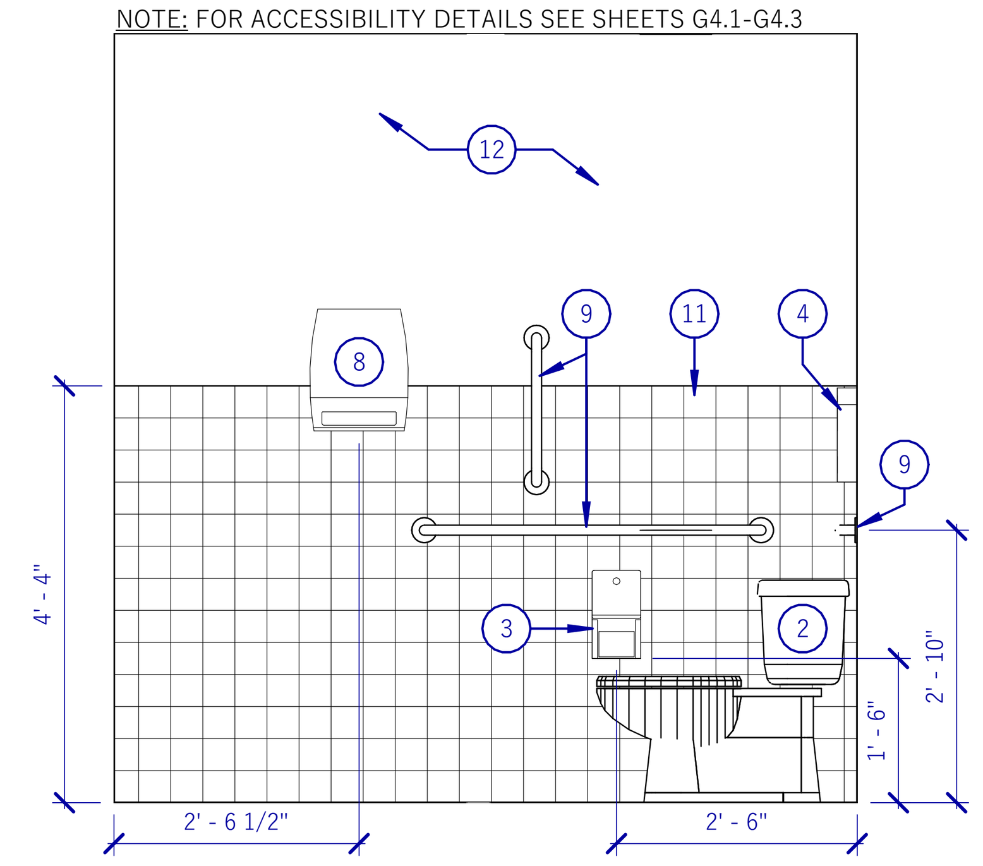
11 A5.2 **RESTROOM 125 & 126 ENLARGED PLANS**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



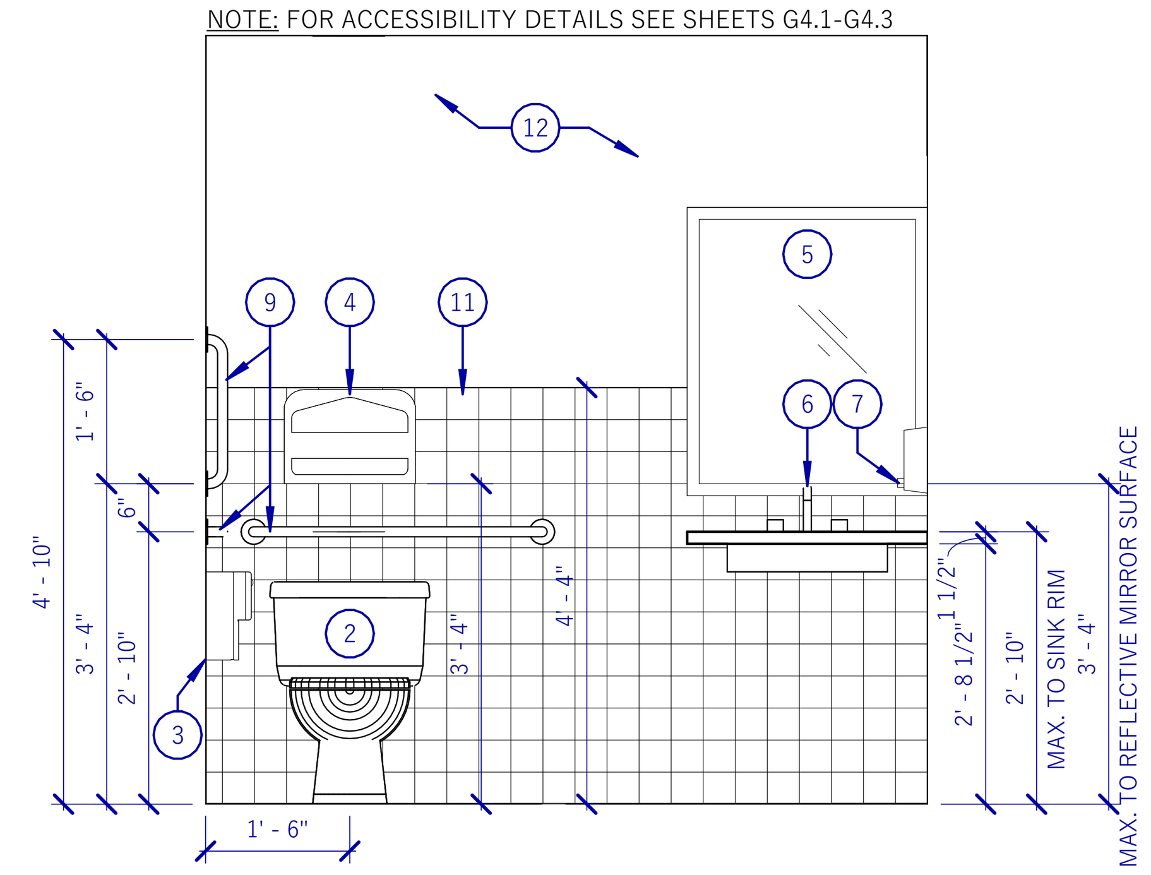
14 A5.2 **R.R. 125 ELEVATION 3**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



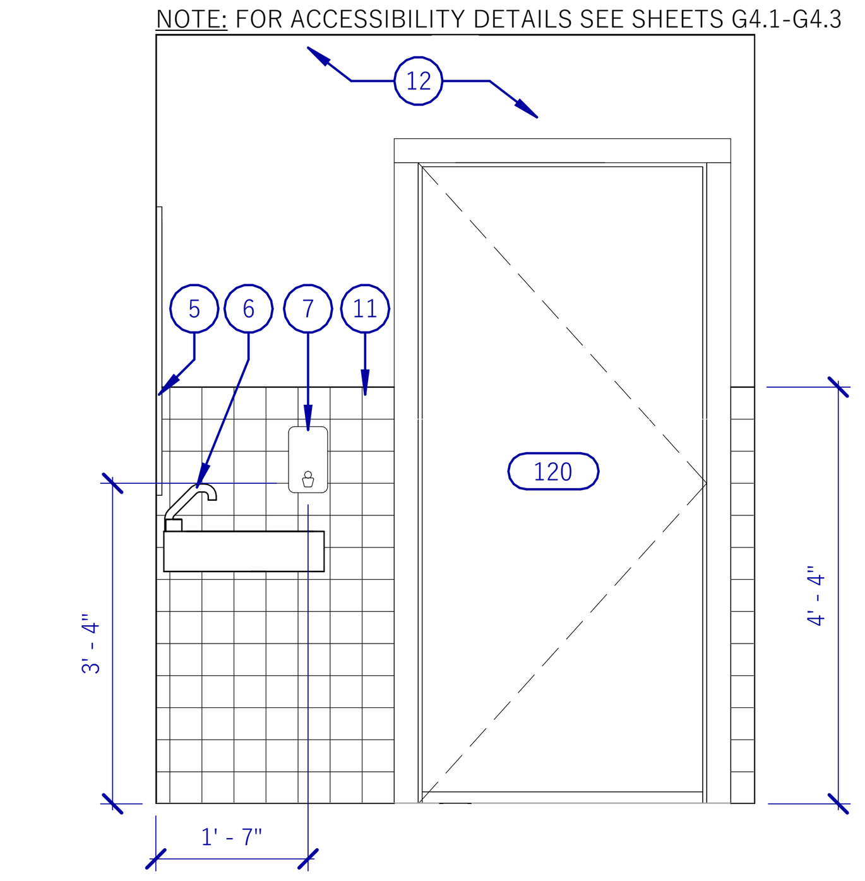
13 A5.2 **R.R. 125 ELEVATION 2**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



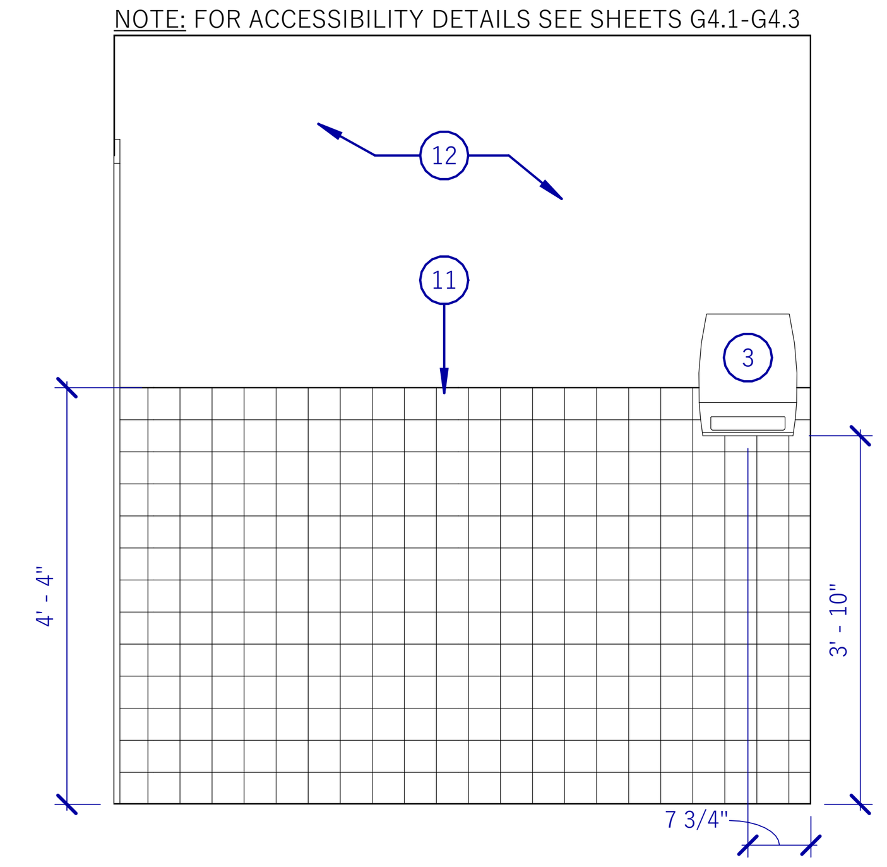
12 A5.2 **R.R. 125 ELEVATION 1**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



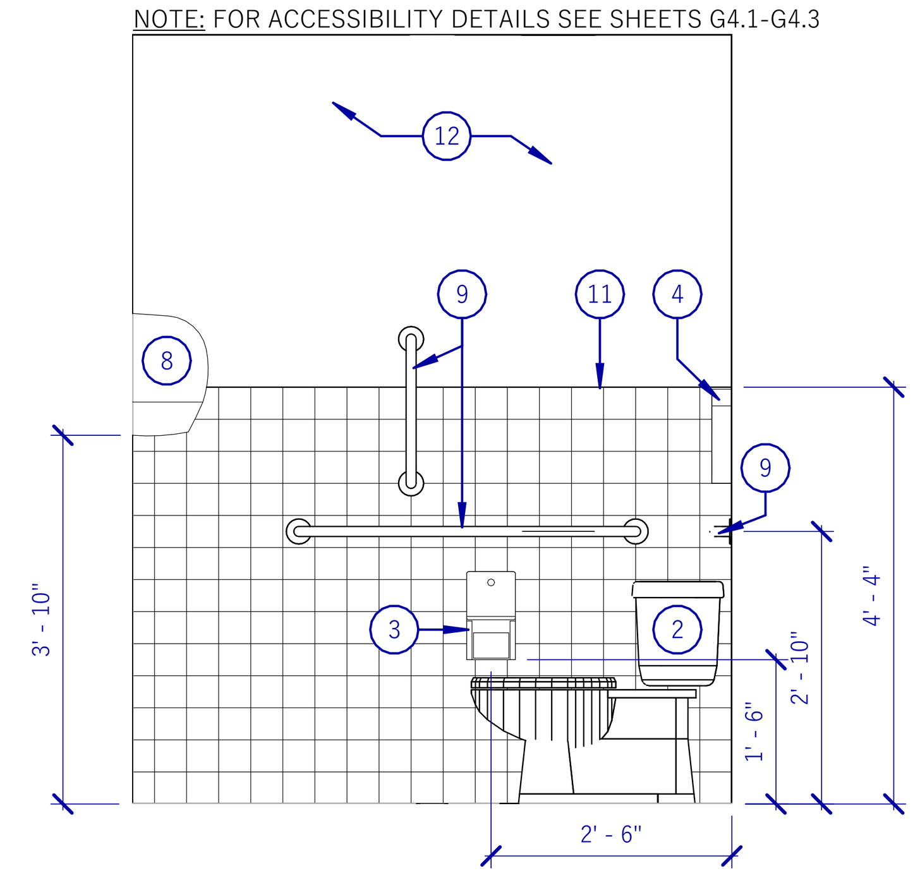
10 A5.2 **RESTROOM 120 ELEVATION 4**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



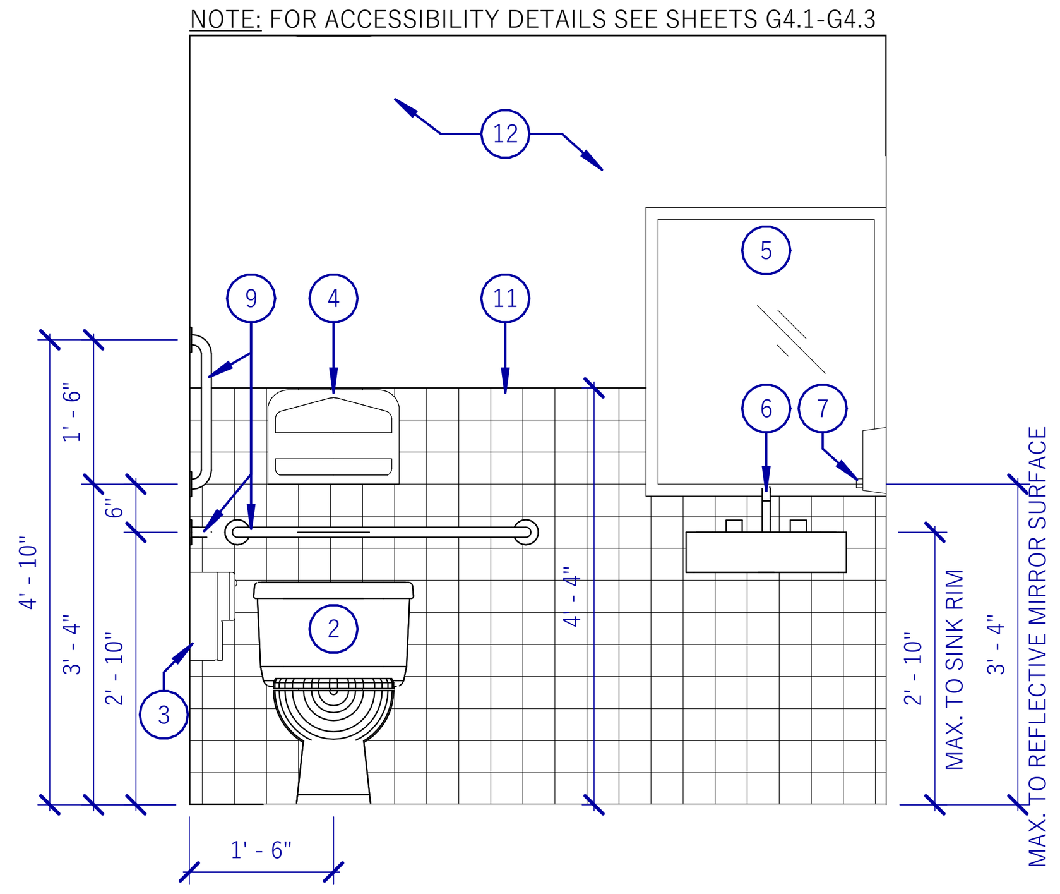
9 A5.2 **RESTROOM 120 ELEVATION 3**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



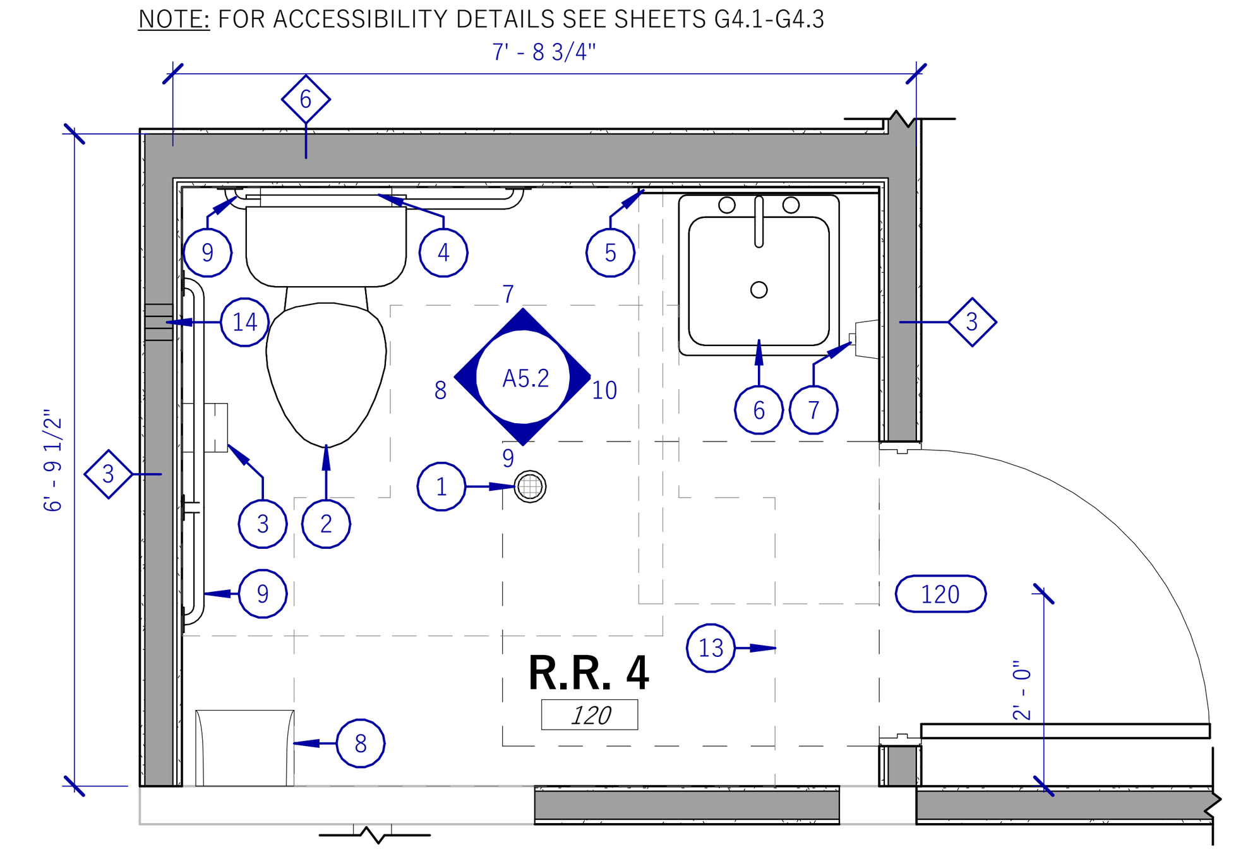
8 A5.2 **RESTROOM 120 ELEVATION 2**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



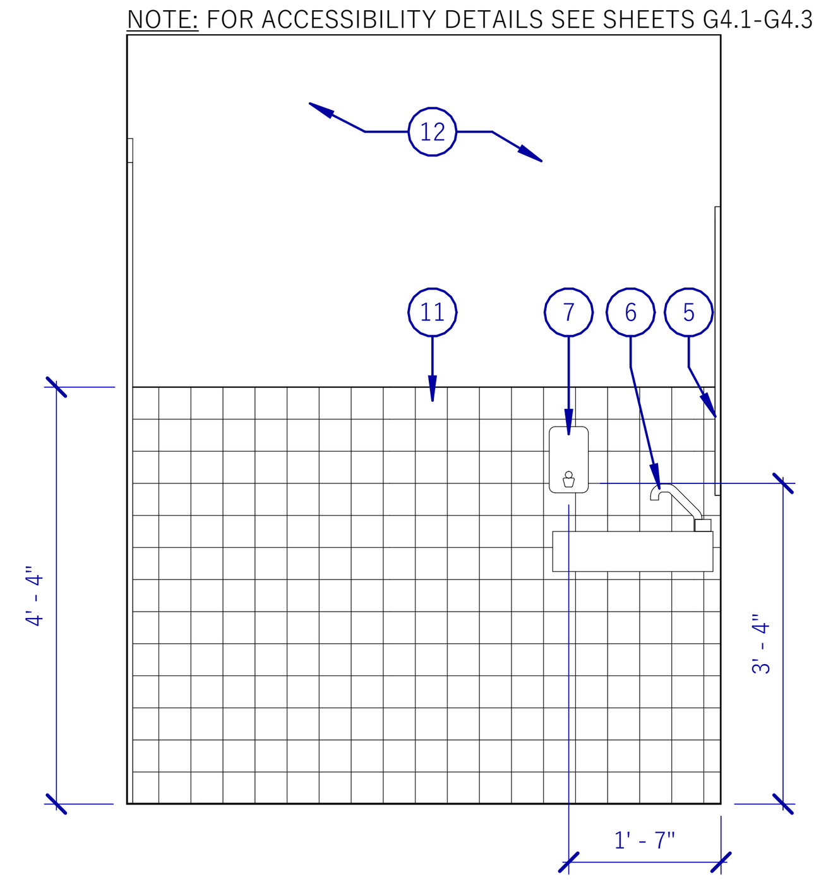
7 A5.2 **RESTROOM 120 ELEVATION 1**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



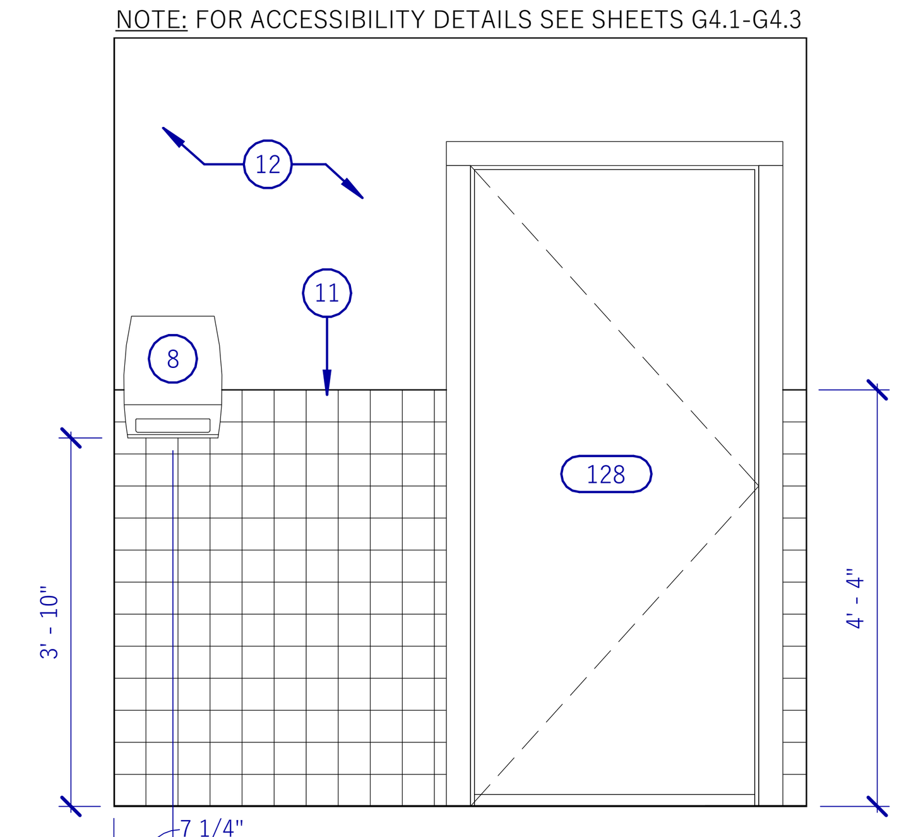
18 A5.2 **RESTROOM 120 ENLARGED PLAN**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



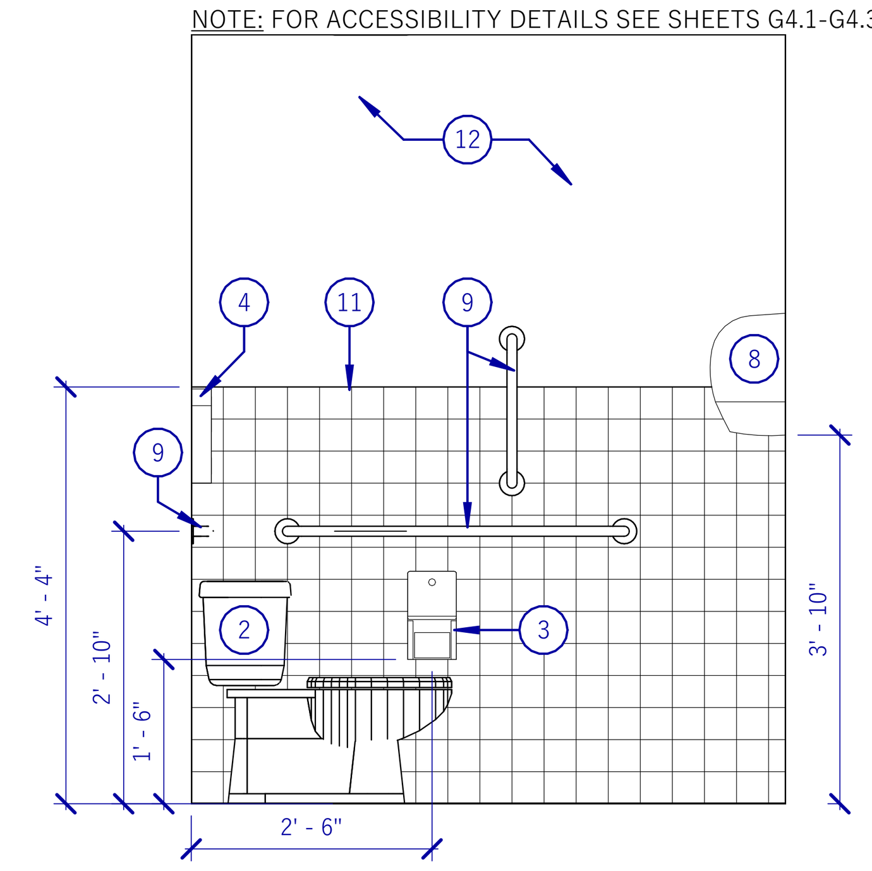
5 A5.2 **RESTROOM 128 ELEVATION 4**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



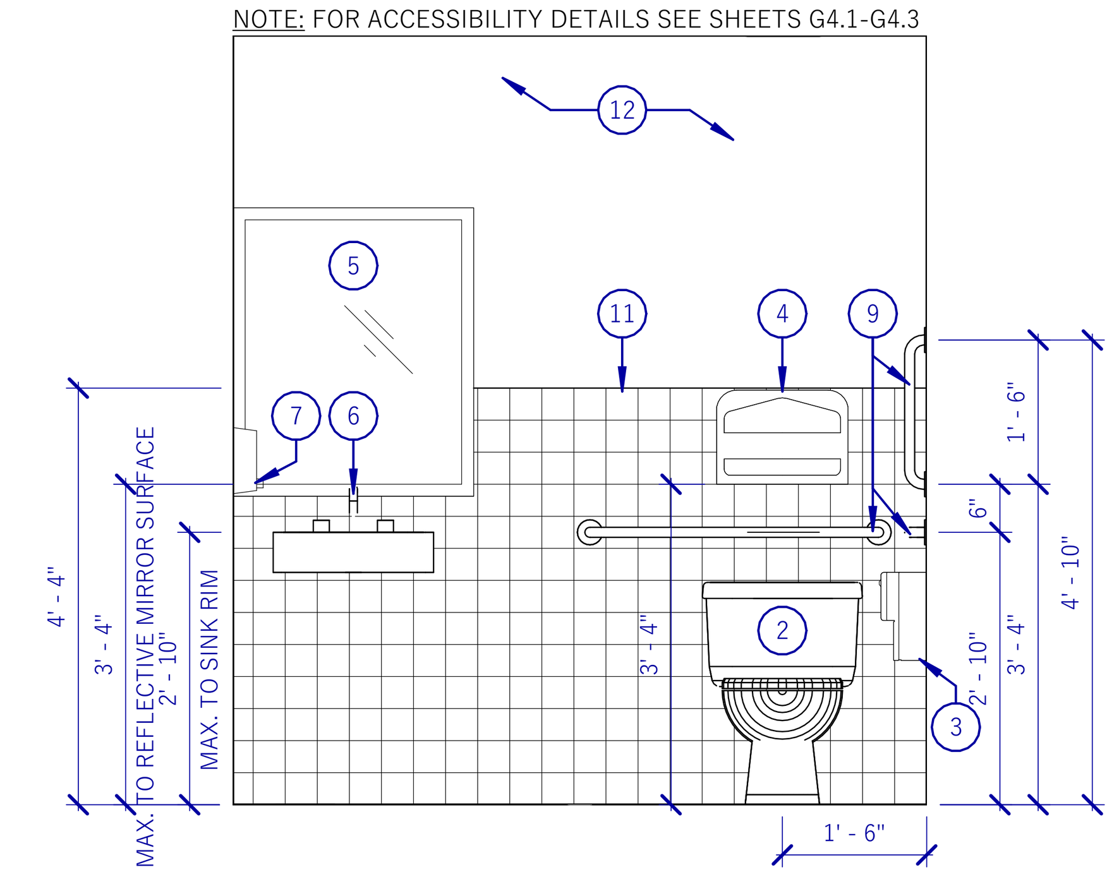
4 A5.2 **RESTROOM 128 ELEVATION 3**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



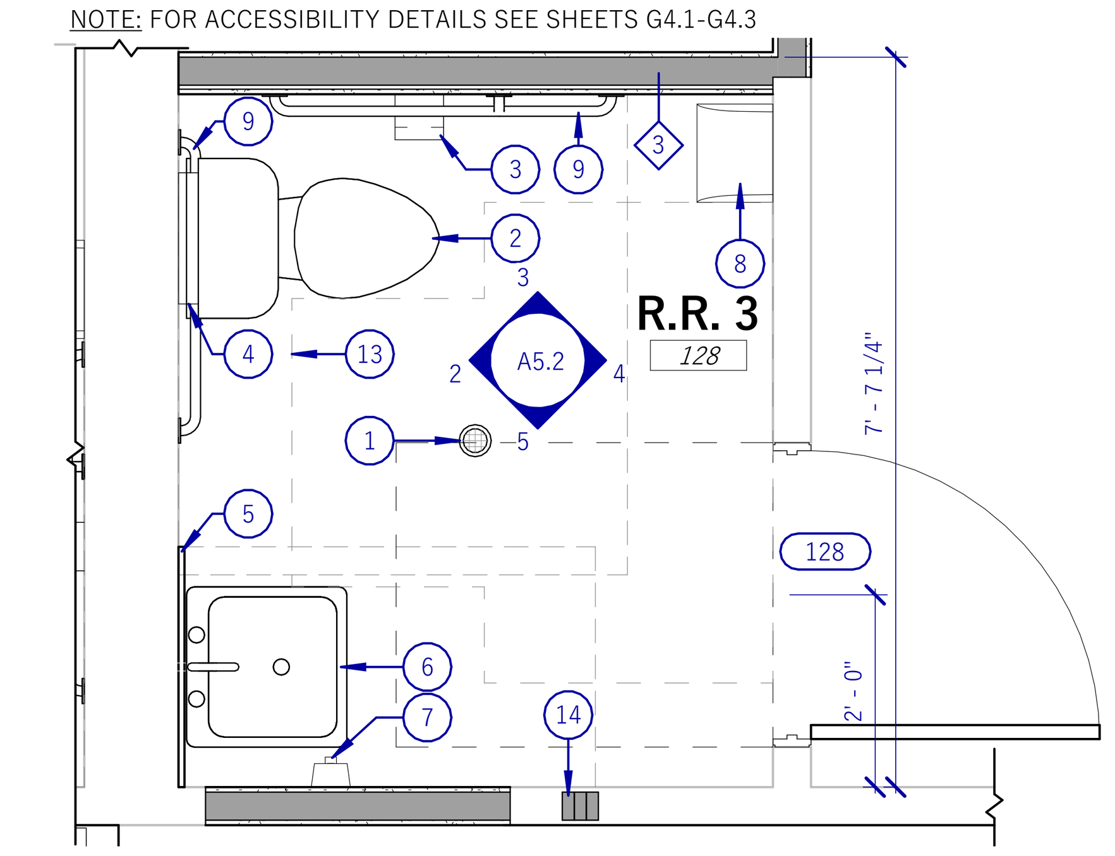
3 A5.2 **RESTROOM 128 ELEVATION 2**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



2 A5.2 **RESTROOM 128 ELEVATION 1**
1/2" = 1'-0"

NOTE: FOR ACCESSIBILITY DETAILS SEE SHEETS G4.1-G4.3



1 A5.2 **RESTROOM 128 ENLARGED PLAN**
1/2" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

- A SEE GENERAL NOTES ON SHEET G1.1 FOR ADDITIONAL REQUIREMENTS.
- C COORDINATE ALL WINDOW HEAD HEIGHTS AND SIZES WITH ELEVATIONS AND WINDOW SCHEDULE.
- D DIMENSION TO DOORS AND WINDOWS ARE TO CENTER OF FRAMED OPENING UNLESS NOTED OTHERWISE.
- E DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE
- F DIMENSIONS ARE NOT TO BE SCALED OFF DRAWINGS. DIRECT ALL QUESTIONS REGARDING PROJECT DIMENSIONS TO THE ARCHITECT
- H ALL MILLWORK DIMENSIONS TO BE FIELD VERIFIED
- J MAXIMUM OUTLET HEIGHT ON KITCHEN COUNTERS TO BE 44". OTHER OUTLETS TO BE A MINIMUM OF 15" OFF FLOOR TO A MAXIMUM OF 48"

KEYED NOTES

1. NEW FLOOR DRAIN
2. TOILET, COORDINATE SELECTION WITH OWNER
3. TOILET PAPER DISPENSER, COORDINATE SELECTION WITH OWNER
4. TOILET SEAT COVER DISPENSER, COORDINATE SELECTION WITH OWNER
5. MIRROR, COORDINATE SELECTION WITH OWNER
6. SINK, COORDINATE SELECTION WITH OWNER
7. SOAP DISPENSER, COORDINATE SELECTION WITH OWNER
8. PAPER TOWEL DISPENSER, COORDINATE SELECTION WITH OWNER
9. ACCESSIBLE GRAB BAR, SEE G4.2 FOR DETAILS
10. 60" ADA TURNAROUND SPACE
11. TILE, MIN. 52" A.F.F., COORDINATE SELECTION WITH OWNER
12. WALL TO BE PAINTED
13. T-SHAPED ADA TURNAROUND SPACE
14. NEW STRUCTURAL COLUMN, SEE STRUCTURAL DRAWINGS

CONSULTANT

DR. BAILEY DENTAL

12257 S 800 E
DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WOHNOUTKA
No. 372770
1/27/2028
LICENSED ARCHITECT

PROJECT NUMBER:
25082

LARGE SCALE RESTROOM PLANS & ELEVATIONS

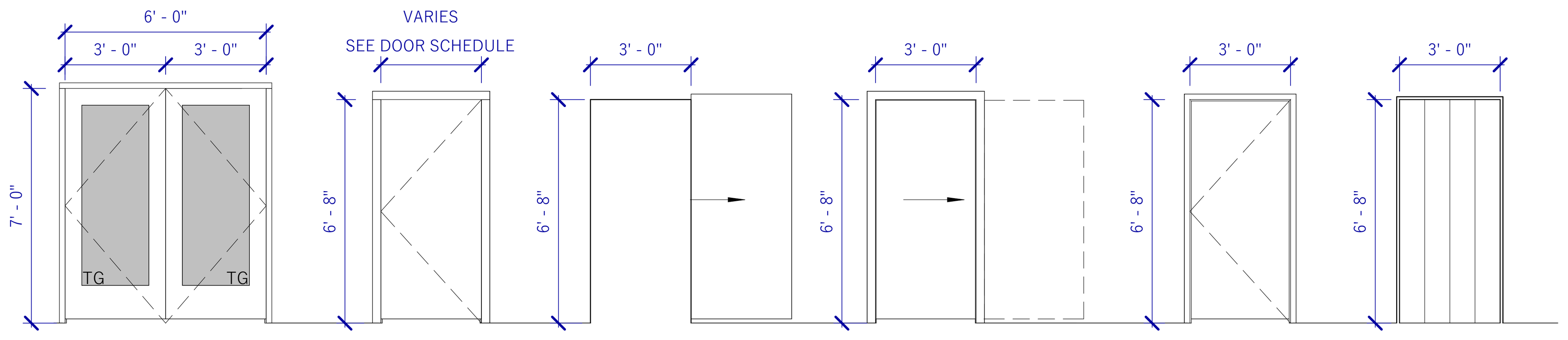
A5.2

45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM

JZW ARCHITECTS

DOOR SCHEDULE

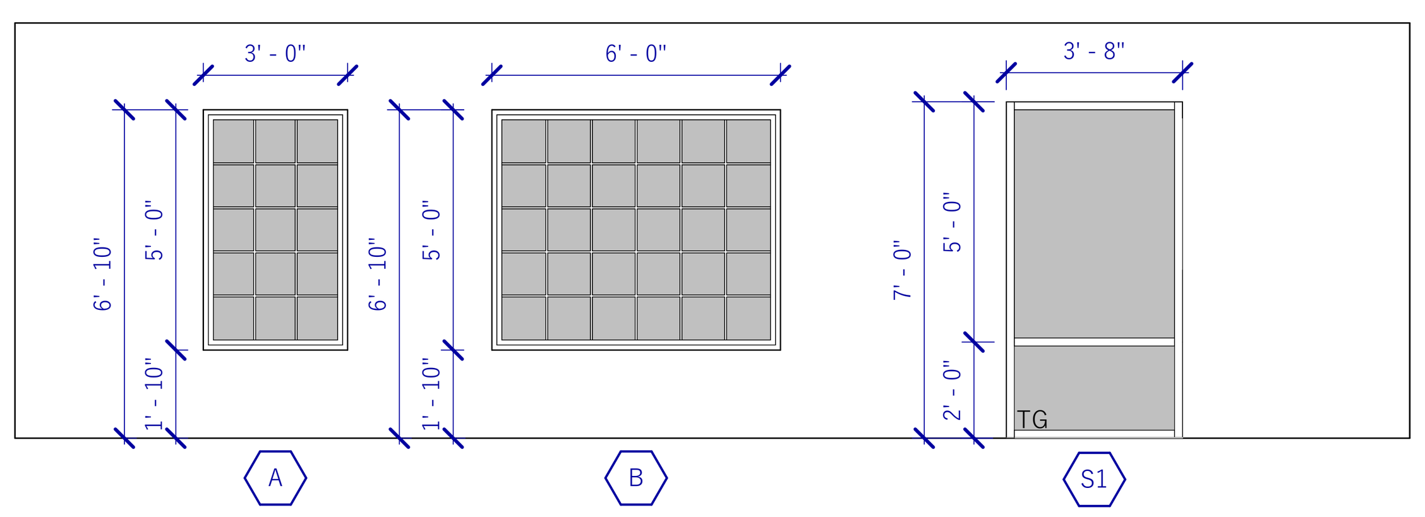
DOOR #	WIDTH	HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	DOOR TYPE	*HARDWARE GROUP	FIRE RATING	REMARKS
101A	6' - 0"	7' - 0"	METAL	PAINT	METAL	PAINT	A	H1		TEMPERED GLASS
101B	6' - 0"	7' - 0"	METAL	PAINT	METAL	PAINT	A	H5		TEMPERED GLASS
102	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H5		
104	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	C	H7		
105	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	C	H7		
106	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H5		
111A	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	D	H6		
111B	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	C	H7		
112	3' - 0"	6' - 8"	METAL	PAINT	METAL	PAINT	E	H4	1 HR	
116	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H3		
118	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H3		
119	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	D	H6		
120	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H2		
124	2' - 10"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H3		
125	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H2		
126	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H2		
128	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	B	H2		
130	3' - 0"	6' - 8"	WOOD	PAINT	WOOD	PAINT	F	H8		STEALTH JIB DOOR TO MATCH WALL FINISH



14 DOOR DIAGRAM
A6.0 1/4" = 1'-0"

WINDOW SCHEDULE

WINDOW	WIDTH	HEIGHT	OPERATION	MATERIAL	FINISH	REMARKS
A	3' - 0"	5' - 0"	FIXED	VINYL	MANUF.	TO MATCH EXISTING WINDOWS
B	6' - 0"	5' - 0"	FIXED	VINYL	MANUF.	TO MATCH EXISTING WINDOWS
S1	3' - 8"	7' - 0"	FIXED	ALUMINUM	ANOD.	STOREFRONT



WINDOW DIAGRAM
1/4" = 1'-0"

DOOR HARDWARE GROUP

H1 - ENTRY LOCKSET (BUSINESS ENTRANCE)
SURFACE CLOSER (X2)
PERIMETER WEATHER SEAL
WALL BUMPER DOORSTOP (X2)

H2 - PRIVACY LOCKSET (RESTROOM)
SOUND SEAL
WALL BUMPER DOORSTOP

H3 - STOREROOM LOCKSET
WALL BUMPER DOORSTOP
DOOR KICKDOWN HOLDER

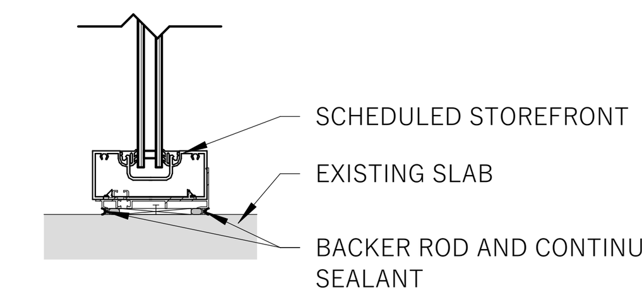
H4 - STOREROOM LOCKSET (FIRE RATED)
DOOR CLOSER
WALL BUMPER DOORSTOP
DOOR GASKETS
DRAFT CONTROL ASSEMBLY

H5 - PASSAGE LOCKSET
WALL BUMPER DOORSTOP

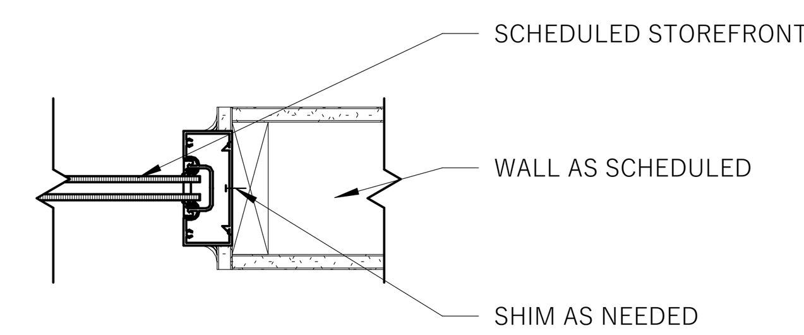
H6 - PASSAGE LOCKSET (POCKET DOOR)
DOOR BUMP
POCKET DOOR HARDWARE

H7 - PASSAGE LOCKSET (BARN DOOR)
DOOR BUMP
BARN DOOR HARDWARE

H8 - STOREROOM LOCKSET (JIB DOOR)
JIB DOOR HARDWARE



9 STOREFRONT SILL - INTERIOR
A6.0 1 1/2" = 1'-0"

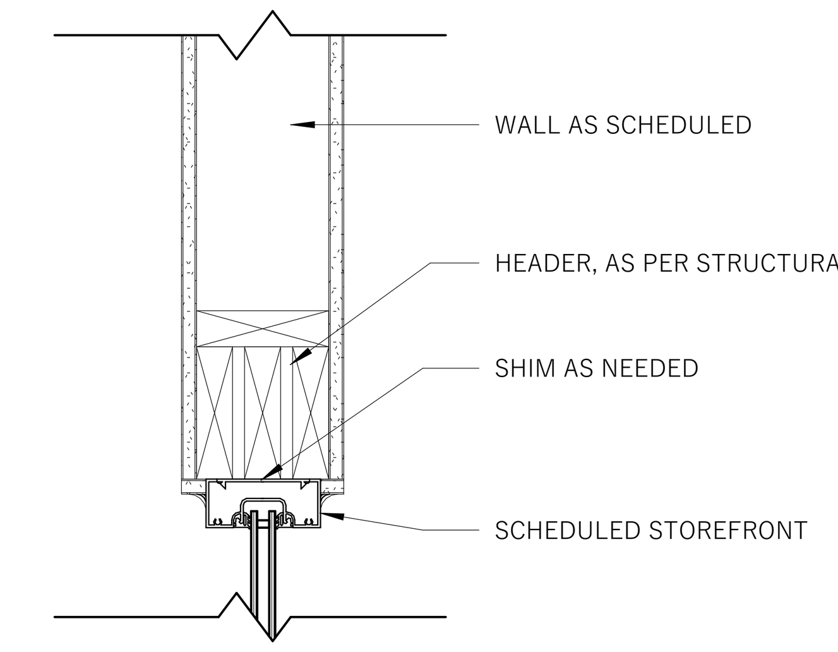


* NOTE: REFER TO WALL TYPES FOR FULL WALL ASSEMBLY

8 STOREFRONT JAMB - INTERIOR
A6.0 1 1/2" = 1'-0"

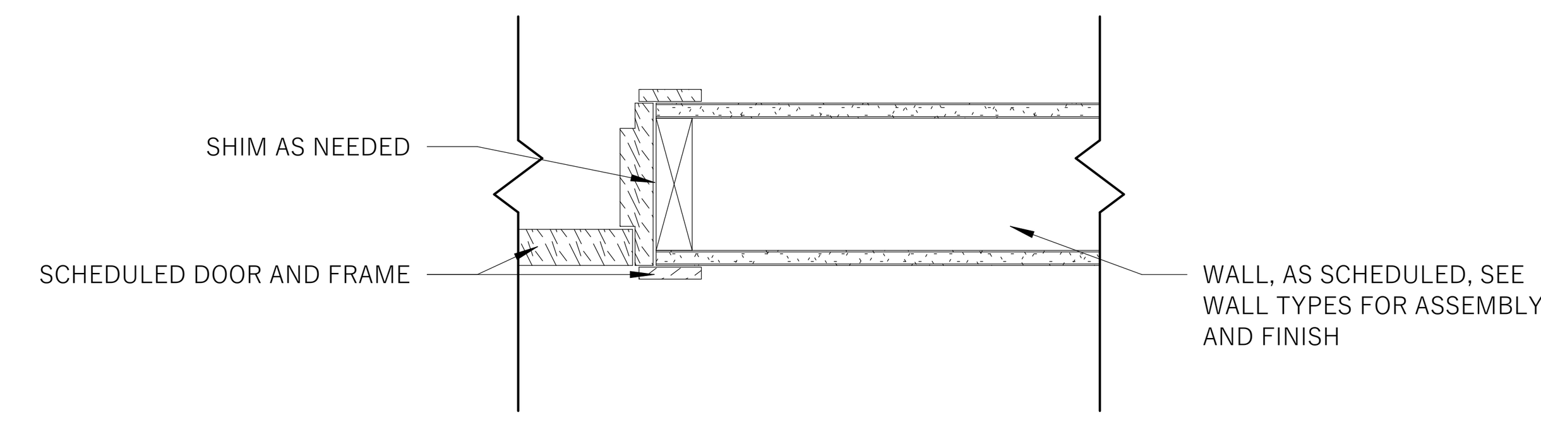
GENERAL NOTES - DOORS

A PAINT COLORS TO BE COORDINATED WITH OWNER
B COORDINATE SELECTION AND FINISH WITH OWNER

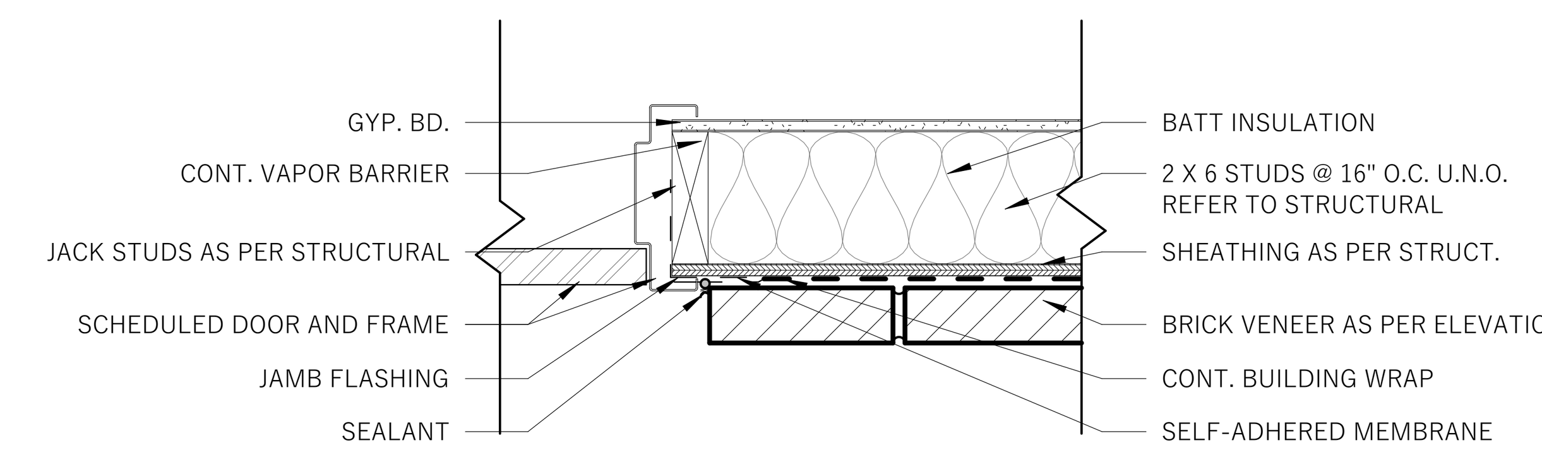


* NOTE: REFER TO WALL TYPES FOR FULL WALL ASSEMBLY

4 STOREFRONT HEAD - INTERIOR
A6.0 1 1/2" = 1'-0"

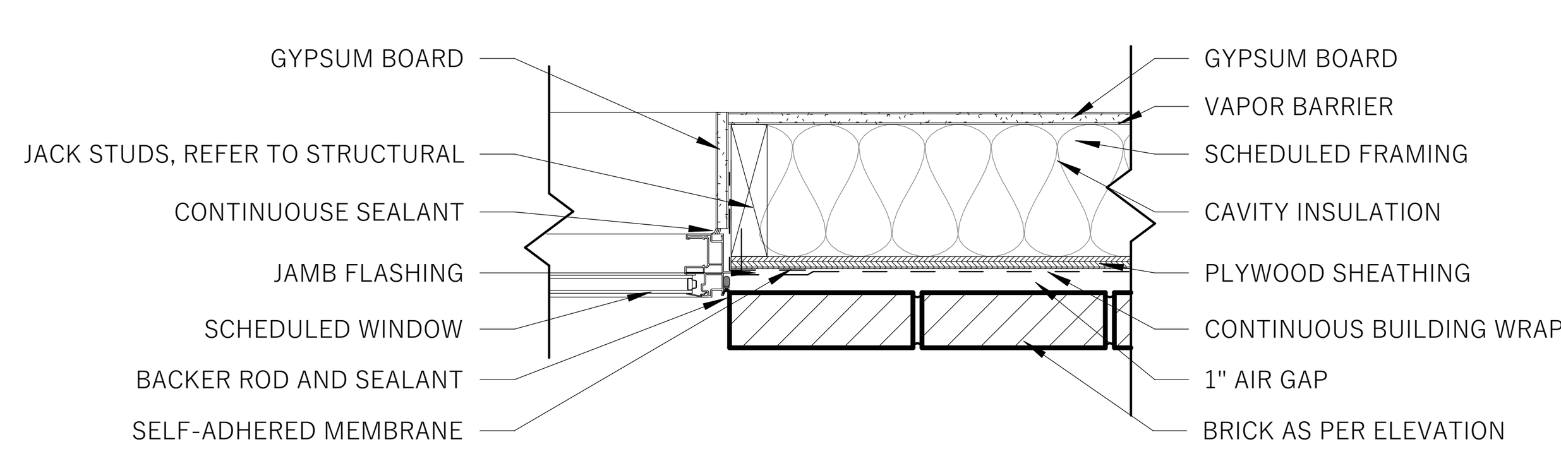


7 WD JAMB - INTERIOR
A6.0 1 1/2" = 1'-0"



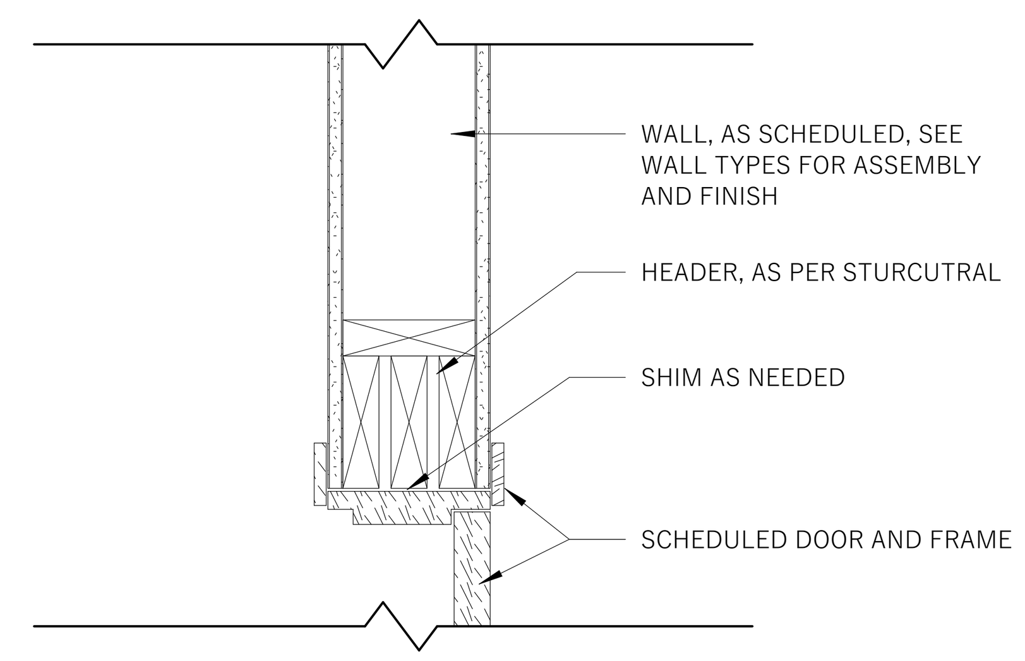
* NOTE: REFER TO WALL TYPES FOR FULL WALL ASSEMBLY

3 EXTERIOR DOOR JAMB BRICK
A6.0 1 1/2" = 1'-0"

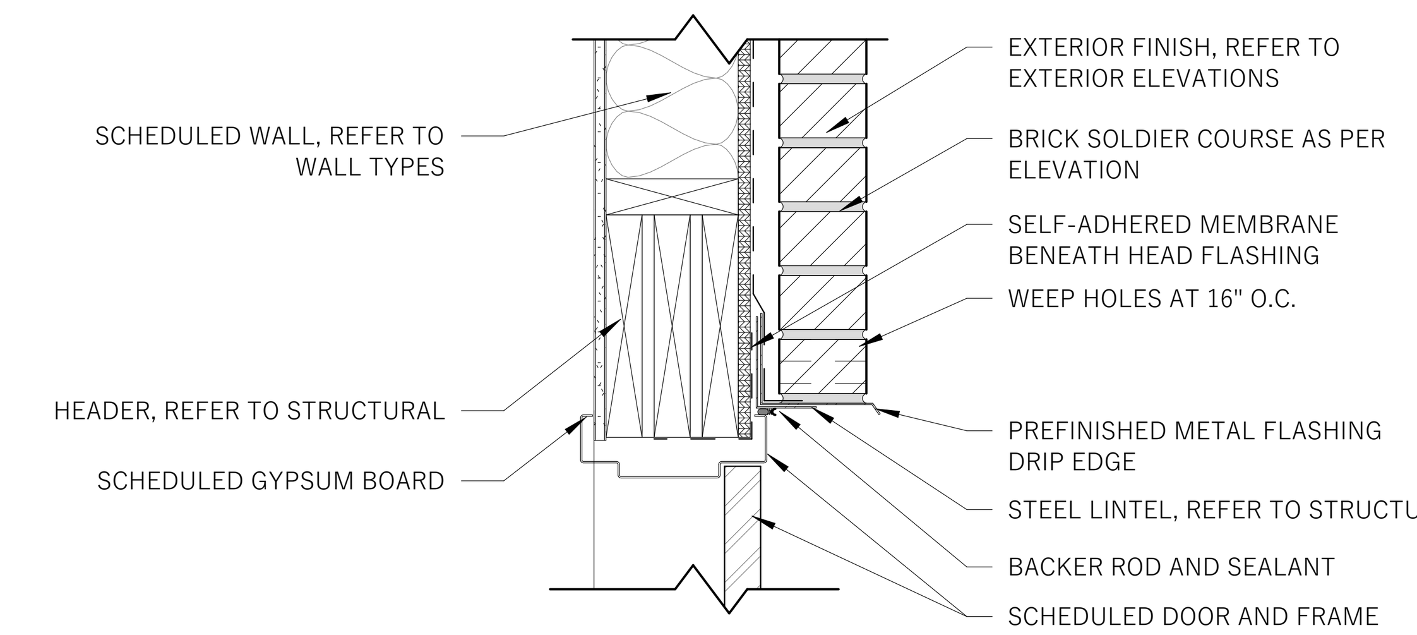


* NOTE: REFER TO WALL TYPES FOR FULL WALL ASSEMBLY

11 WINDOW JAMB - BRICK
A6.0 1 1/2" = 1'-0"

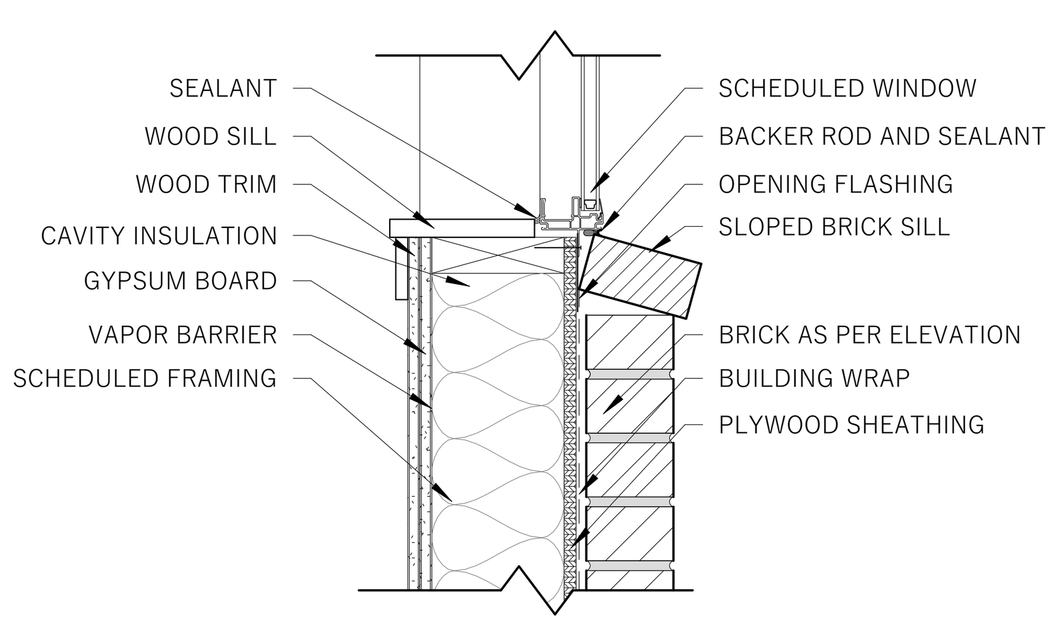


6 WD HEAD - INTERIOR
A6.0 1 1/2" = 1'-0"



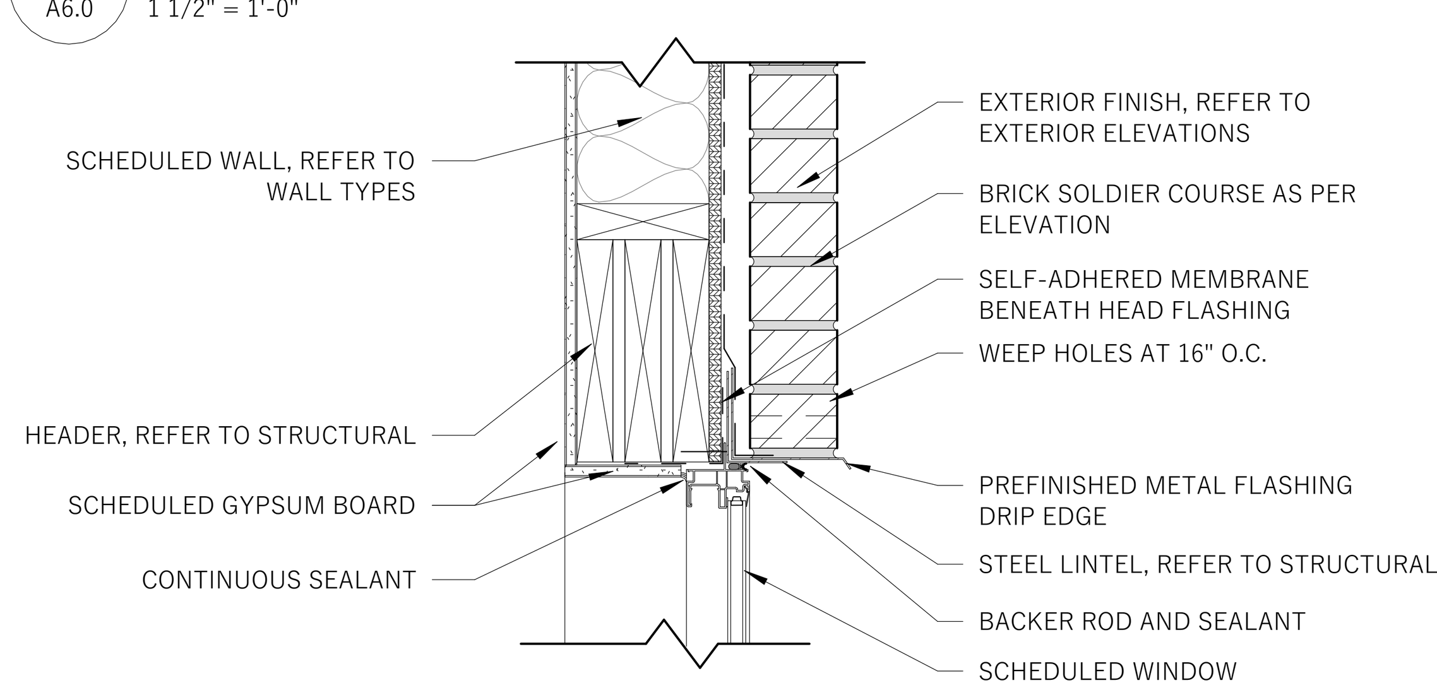
* NOTE: REFER TO WALL TYPES FOR FULL WALL ASSEMBLY

2 EXTERIOR DOOR HEAD BRICK
A6.0 1 1/2" = 1'-0"



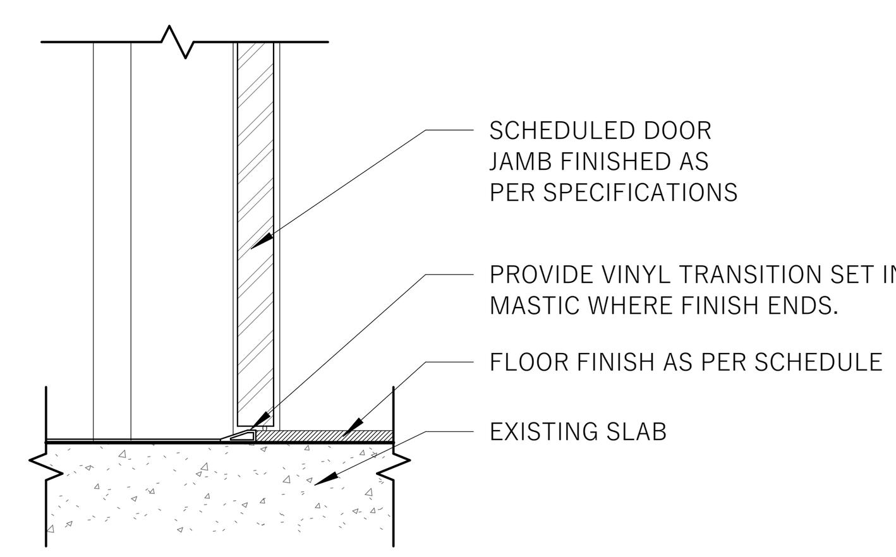
NOTE:
1. REFER TO WALL TYPES FOR FULL ASSEMBLY DESCRIPTIONS.

12 WINDOW SILL - BRICK
A6.0 1 1/2" = 1'-0"

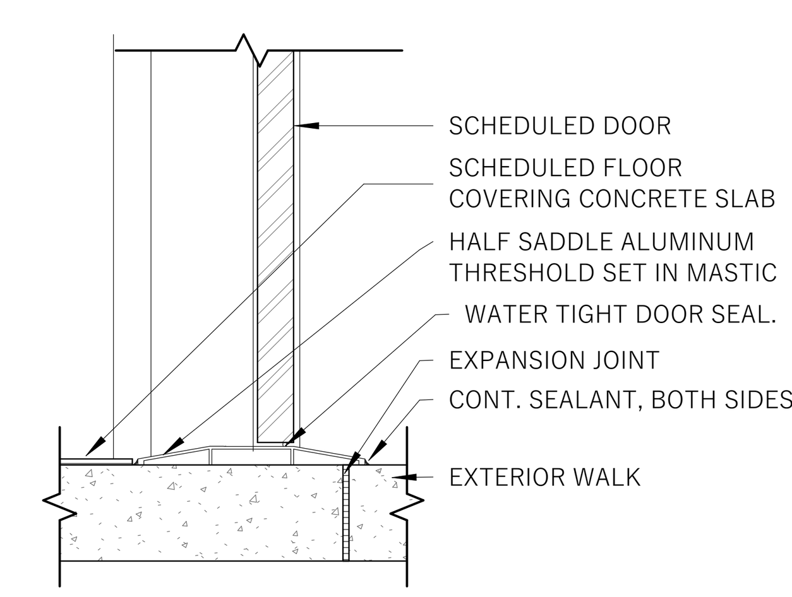


* NOTE: REFER TO WALL TYPES FOR FULL WALL ASSEMBLY

10 WINDOW HEAD - BRICK
A6.0 1 1/2" = 1'-0"



5 INTERIOR DOOR THRESHOLD
A6.0 1 1/2" = 1'-0"



1 EXTERIOR DOOR THRESHOLD
A6.0 1 1/2" = 1'-0"

CONSULTANT

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12257 S 800 E
DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH · PAUL R. WOODCOCK · No. 372770 · 1/27/2028 · LICENSED ARCHITECT

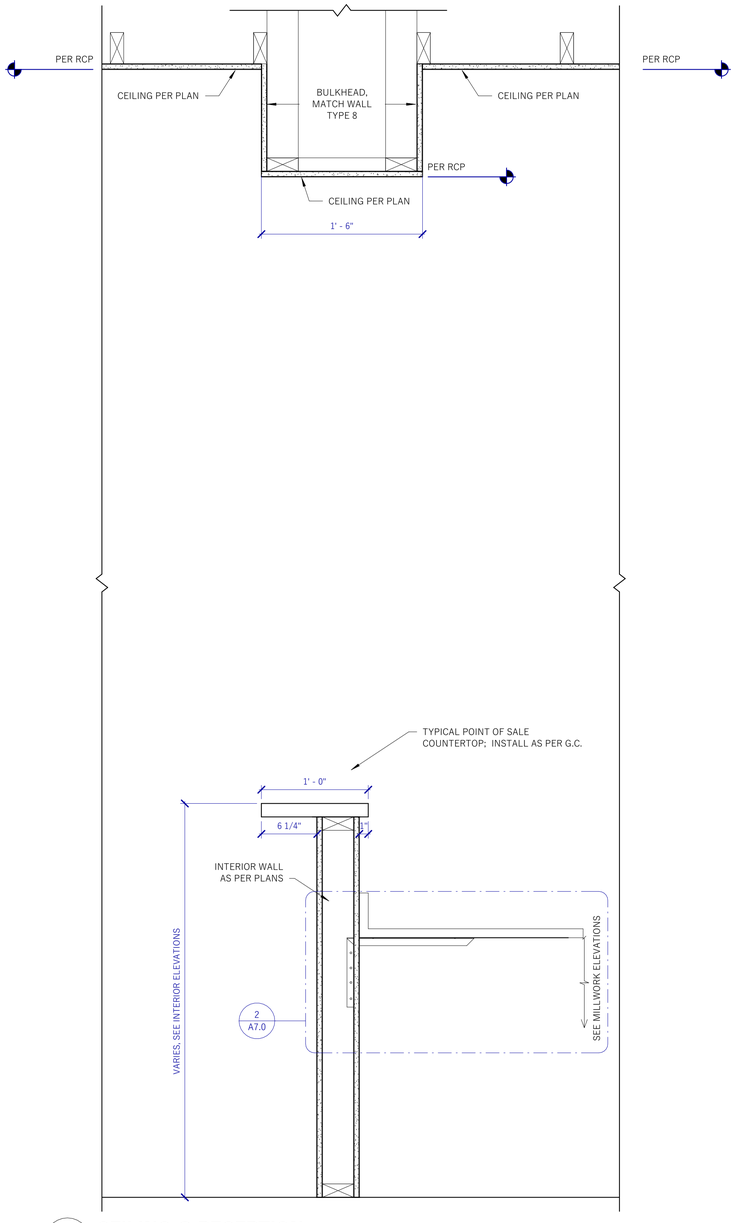
PROJECT NUMBER:
25082

BUILDING SCHEDULES & DETAILS

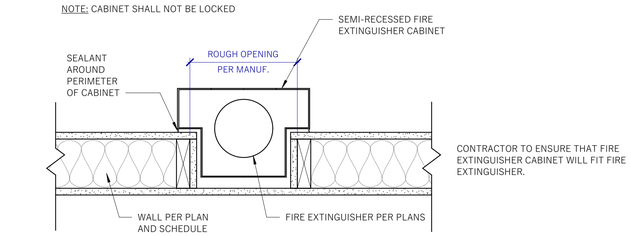
A6.0

JZW ARCHITECTS

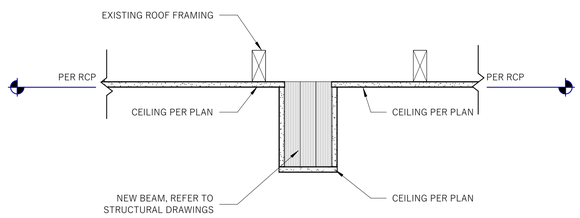
45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM



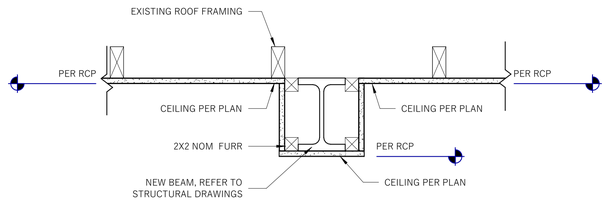
1 A7.0 **CEILING @ RECEPTION**
1 1/2" = 1'-0"



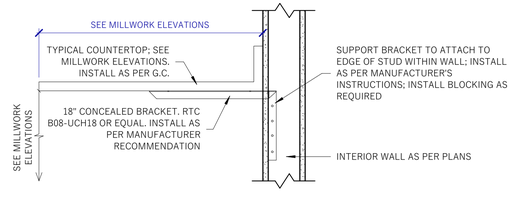
5 A7.0 **SEMI-RECESSED FIRE EXTINGUISHER CABINET**
1 1/2" = 1'-0"



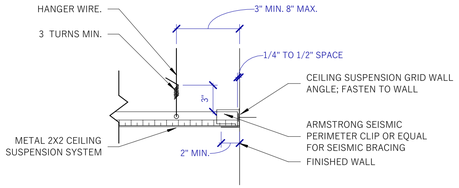
4 A7.0 **BOXOUT FRAMING @ WOOD BEAM**
1 1/2" = 1'-0"



3 A7.0 **BOXOUT FRAMING @ STEEL BEAM**
1 1/2" = 1'-0"

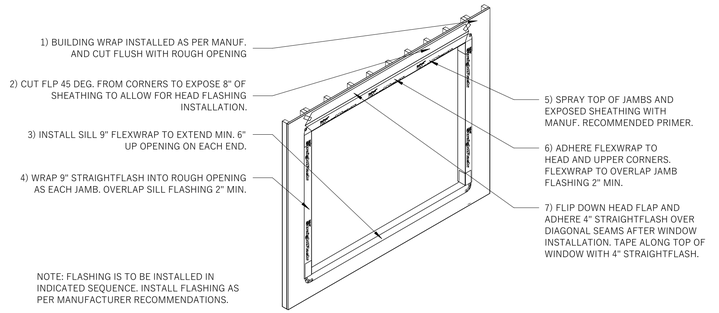


2 A7.0 **TYP. COUNTERTOP CANTILEVER**
1 1/2" = 1'-0"



NOTE: ACOUSTIC CEILINGS ARE TO BE BUILT IN ACCORDANCE WITH ICC REPORT (ESR-1308)

7 A7.0 **ACOUST. TILE/WALL DETAIL**
1 1/2" = 1'-0"



NOTE: FLASHING IS TO BE INSTALLED IN INDICATED SEQUENCE. INSTALL FLASHING AS PER MANUFACTURER RECOMMENDATIONS.

6 A7.0 **FLASHING DETAIL**
1/2" = 1'-0"

ROOM FINISH SCHEDULE

ROOM				BASE		CEILING	
NUMBER	NAME	FLOOR	WALLS	TYPE	FINISH	FINISH	NOTES
101	ENTRY VESTIBULE	TILE	PAINT	MDF	PAINT	GYP	
102	WAITING ROOM	CPT	PAINT	MDF	PAINT	GYP/WOOD	
103	BUSINESS	LVP	PAINT	MDF	PAINT	GYP	
104	FINANCE / MGR. OFFICE	CPT	PAINT	MDF	PAINT	ACT	
105	CONSULT OFFICE	CPT	PAINT	MDF	PAINT	ACT	
106	CIRCULATION	LVP	PAINT	MDF	PAINT	GYP	
107	TREATMENT 1	LVP	PAINT	MDF	PAINT	ACT	
108	TREATMENT 2	LVP	PAINT	MDF	PAINT	ACT	
109	TREATMENT 3	LVP	PAINT	MDF	PAINT	ACT	
110	TREATMENT 4	LVP	PAINT	MDF	PAINT	ACT	
111	SURGERY	LVP	PAINT	MDF	PAINT	ACT	
112	N20/02	TILE	PAINT	MDF	PAINT	GYP	
113	TREATMENT 5	LVP	PAINT	MDF	PAINT	ACT	
115	STORAGE	LVP	PAINT	MDF	PAINT	GYP	
116	MECH	TILE	PAINT	MDF	PAINT	GYP	
117	LAB	TILE	PAINT	MDF	PAINT	GYP	
119	OFFICE	CPT	PAINT	MDF	PAINT	GYP	
120	R.R. 4	TILE	TILE/PAINT	TILE	MANUF.	GYP	TILE TO BE MIN. 52" A.F.F.
121	STERILE	LVP	PAINT	MDF	PAINT	GYP	
122	SUPPLIES	TILE	PAINT	MDF	PAINT	GYP	
123	IMAGING	LVP	PAINT	MDF	PAINT	GYP	
124	CLO.	TILE	PAINT	MDF	PAINT	GYP	
125	R.R. 1	TILE	TILE/PAINT	TILE	MANUF.	GYP	TILE TO BE MIN. 52" A.F.F.
126	R.R. 2	TILE	TILE/PAINT	TILE	MANUF.	GYP	TILE TO BE MIN. 52" A.F.F.
127	LAUNDRY	TILE	PAINT	MDF	PAINT	GYP	
128	R.R. 3	TILE	TILE/PAINT	TILE	MANUF.	GYP	TILE TO BE MIN. 52" A.F.F.
129	STAFF ROOM	LVP	PAINT	MDF	PAINT	GYP	
130	STORAGE	TILE	PAINT	MDF	PAINT	GYP	

CONSULTANT

DR. BAILEY DENTAL
12257 S 800 E
DRAPER, UT 84020

ISSUED:
JANUARY 27, 2026

REVISIONS:

NO.	DATE	DESCRIPTION

STATE OF UTAH
PAUL R. WARNICK
No. 372770
1/27/2026
LICENSED ARCHITECT

PROJECT NUMBER:
25082

FINISH SCHEDULE & ARCH. DETAILS

A7.0

FOOTING, FOUNDATION AND CONCRETE

1. FOOTING DESIGN IS BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF U.N.O., SEE PLAN. IF A PROJECT SOILS REPORT HAS BEEN COMPLETED, FOLLOW ALL REPORT RECOMMENDATIONS. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR GRANULAR FILL COMPACTED TO 95% OF MAXIMUM DENSITY. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND. ALL FOOTINGS TO BE PLACE AT MIN. BELOW LOCAL FROST DEPTH, AND BE CONTINUOUS AND MONOLITHIC POUR.

2. CHANGES IN ELEV. SHALL BE STEPPED WITH STEP HEIGHT NOT HIGHER THAN 1/2 THE STEP LENGTH AND NOT GREATER THAN 5'. NOTIFY ENGINEER IF GRADE DROPS OVER 8' IN 24' (GREATER THAN 1/3 SLOPE) SO THAT APPROPRIATE DESIGN CHANGES MAY BE MADE TO FOUNDATION AND FOOTINGS.

3. ALL FOOTINGS, FOUNDATIONS, AND INTERIOR SLABS SHALL BE NORMAL WT. CONCRETE WITH A COMPRESSIVE STRENGTH OF 2,5OO PSI MIN. U.N.O. TO MEET STRENGTH REQUIREMENTS (SEE CALCS., NO SPECIAL INSPECTIONS REQUIRED U.N.O., SEE PLAN) HOWEVER, PER IRC 402.2 USE 3000 PSI CONCRETE FOR DURABILITY PURPOSES. THE WATER/CEMENT RATIO SHALL BE NO GREATER THAN .50 WITH A MINIMUM CEMENT CONTENT OF 504 LBS. PER CUBIC YARD.

4. ALL CONC. WORK SHALL BE PLACED, CURED, STRIPPED, AND PROTECTED AS REQUIRED BY ACI STANDARDS AND PRACTICES.

5. ALL REINFORCING SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318. REINFORCEMENT SHALL BE FREE FROM MUD AND OIL AND OTHER NON-METALLIC COATINGS THAT HAMPER BONDING CAPACITY.

6. OWNERCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS LISTED ON THE DRAWING. VERIFICATION OF ALL SITE CONDITIONS INCLUDING SITE STABILITY IS THE RESPONSIBILITY OF OTHERS

7. ALLOW 14 DAYS FOR CONCRETE TO CURE PRIOR TO BACKFILL.

8. STRUCTURAL CONCRETE EXPOSED TO FREEZE THAW CYCLES SHALL HAVE 5% AIR ENTRAINMENT, MIN.

9. RUN FOOTINGS CONTINUOUS UNDER ALL DOOR OPENINGS, SEE PLAN.

10. SILL PLATE ⅜" J-BOLTS SHALL BE A307 WITH 7" MIN. EMBEDMENT @ 32" O.C. IN CONCRETE U.N.O., SEE PLAN.

11. TITEN HD BOLTS OR EPOXY THREADED RODS MAY BE USED AS SUBSTITUTION FOR SILL PLATE J-BOLTS AT SAME SIZE AND SPACING AS J-BOLTS. USE 6" TITEN HD FOR SINGLE SILL PLATE AND 8" TITEN HD FOR DBL PLATE.

12. ALL FOUNDATION HOLDOWN STRAPS/ANCHORS SHALL BE ALIGNED WITH END OF SHEAR WALL ABOVE AND SHALL ATTACH TO FULL HEIGHT KING STUDS U.N.O., SEE PLAN. PROVIDE WOOD POST AT EACH HOLDOWN PER THE HOLDOWN SCHEDULE. DIMENSIONS TO HOLDOWN LOCATIONS MUST BE FIELD VERIFIED.

13. FOOTINGS TO BE CENTERED ON WALLS AND COLUMNS/POSTS U.N.O., SEE PLAN.

14. USE SIMPSON SET-XP EPOXY FOR CONCRETE ANCHORS U.N.O., SEE PLAN. CONTINUOUS SPECIAL INSPECTIONS REQUIRED ON ALL EPOXY OPERATIONS UNLESS WAIVED BY ENGINEER AND THE BUILDING OFFICIAL.

15. LAP REBAR 48 BAR DIAMETERS U.N.O., SEE PLAN. REINFORCING IN SLABS ON GRADE MAY BE LAPPED 24". SPLICES IN BOTTOM STEEL IN CONCRETE BEAMS AND CAST IN PLACE SUSPENDED SLABS SHALL BE STAGGERED 48 BAR DIAMETERS.

16. LINTELS IN CONCRETE WALLS MAY BE AS FOLLOWS U.N.O., SEE PLAN; FOR 3'-0" MAX SPAN, 8" DEEP WITH (2) #4 BOTT. BARS, FOR 6'-0" MAX SPAN, 12" DEEP WITH (2) #4 BOTT. BARS.

17. PROVIDE (2) EDGE BARS ABOVE CONCRETE WALL OPENINGS AND (1) BAR EACH SIDE AND BELOW OPENINGS U.N.O., SEE PLAN. MATCH SIZE OF EDGE BARS WITH TYPICAL WALL REINFORCING AND PLACE WITHIN 4" OF OPENING EDGE. EXTEND BARS 48 BAR DIAMETERS PAST EDGE OF OPENING OR EXTEND AS FAR AS POSSIBLE AND PROVIDE 90° STANDARD HOOK AT END.

18. PROVIDE HORIZONTAL BAR WITHIN 3" OF TOP AND BOTT. OF WALL AND PROVIDE VERTICAL BAR AT ALL WALL CORNERS AND ENDS.

FOUNDATION SCHEDULE

3,000 PSI CONCRETE — 60,000 PSI STEEL

MAXIMUM WALL HEIGHT FROM T.O. FOOTING	TOP EDGE SUPPORT	MIN. WALL WIDTH	VERTICAL WALL REINF. SIZE	VERTICAL WALL REINF. SPACING	HORIZONTAL WALL REINF. SIZE	HORIZONTAL WALL REINF. SPACING	MIN. WALL FOOTING SIZE AND REINF. WIDTH	MIN. WALL FOOTING SIZE AND REINF. REINFORCING	NOTES	SILL PLATE J-BOLTS, U.N.O., SEE PLAN[2] (MIN. 7" EMBEDMENT)
2'-0" TO 4'-0"	NONE	8"	#4	32" O.C.	#4	16" O.C.	SEE PLAN			⅜" X 10" @ 32" O.C.

NOTES:
1. REBAR TO BE PLACED IN THE CENTER OF THE WALL U.N.O., SEE PLAN.
2. FOOTING DOWELS SHALL EXTEND 48 BAR DIAMETERS INTO THE FOUNDATION WALL AND MATCH WALL VERTICAL STEEL SIZE AND SPACING. DOWELS SHALL HAVE A 90° STANDARD HOOK AT BOTTOM AND SHALL BE PLACED PER DETAILS.
3. USE 3" X 3" X ¼" WASHERS ON J-BOLTS. IF SLOTTED WASHER IS USED, ADD CUT WASHER.
4. TITEN HD BOLTS OR EPOXY THREADED RODS MAY BE SUBSTITUTED FOR J-BOLTS OF SAME SIZE AND SPACING. USE 6" TITENS FOR SINGLE SILL PL., USE 8" FOR DBL SILL PL.

FOOTING SCHEDULE

TYPE	WIDTH	LENGTH	THICK	REINFORCEMENT
F-16	16"	CONT.	10"	(2) # 4 BARS CONT.
F-18	18"	CONT.	10"	(2) # 4 BARS CONT.
F-20	20"	CONT.	10"	(2) # 4 BARS CONT.
F-24	24"	CONT.	10"	(3) # 4 BARS CONT.
F-30	30"	CONT.	10"	(3) # 4 BARS CONT.
F-36	36"	CONT.	10"	(4) # 4 BARS CONT.
S-24	24"	24"	10"	(3) # 4 BARS EACH WAY
S-30	30"	30"	10"	(3) # 4 BARS EACH WAY
S-36	36"	36"	10"	(4) # 4 BARS EACH WAY
S-42	42"	42"	10"	(5) # 4 BARS EACH WAY
S-48	48"	48"	12"	(6) # 4 BARS EACH WAY
S-60	60"	60"	12"	(7) # 4 BARS EACH WAY

NOTE: FOOTING REINFORCEMENT IN THIS SCHEDULE AND NOTED ON PLANS IS BOTTOM REINFORCING U.N.O. AND SHALL BE PLACED IN BOTTOM 1/2 OF FOOTING THICKNESS, WITH 3" CONCRETE CLEAR COVER, MIN.

DESIGN CRITERIA

GOVERNING CODE		2021 IBC
SEISMIC		CATEGORY= D2
		I = 1.00
		R = 6.5
		Fa = 1.4
ULT. WIND SPEED (3-SECOND GUST)		115 MPH
		EXPOSURE C
ROOF LOADS	DEAD	15 PSF
	SNOW	30 PSF
	DEFLECTION LL=L/360 TL=L/240	
SOIL BEARING PRESSURE		1500 PSF
EQUIVALENT FLUID PRESSURE		38 PCF

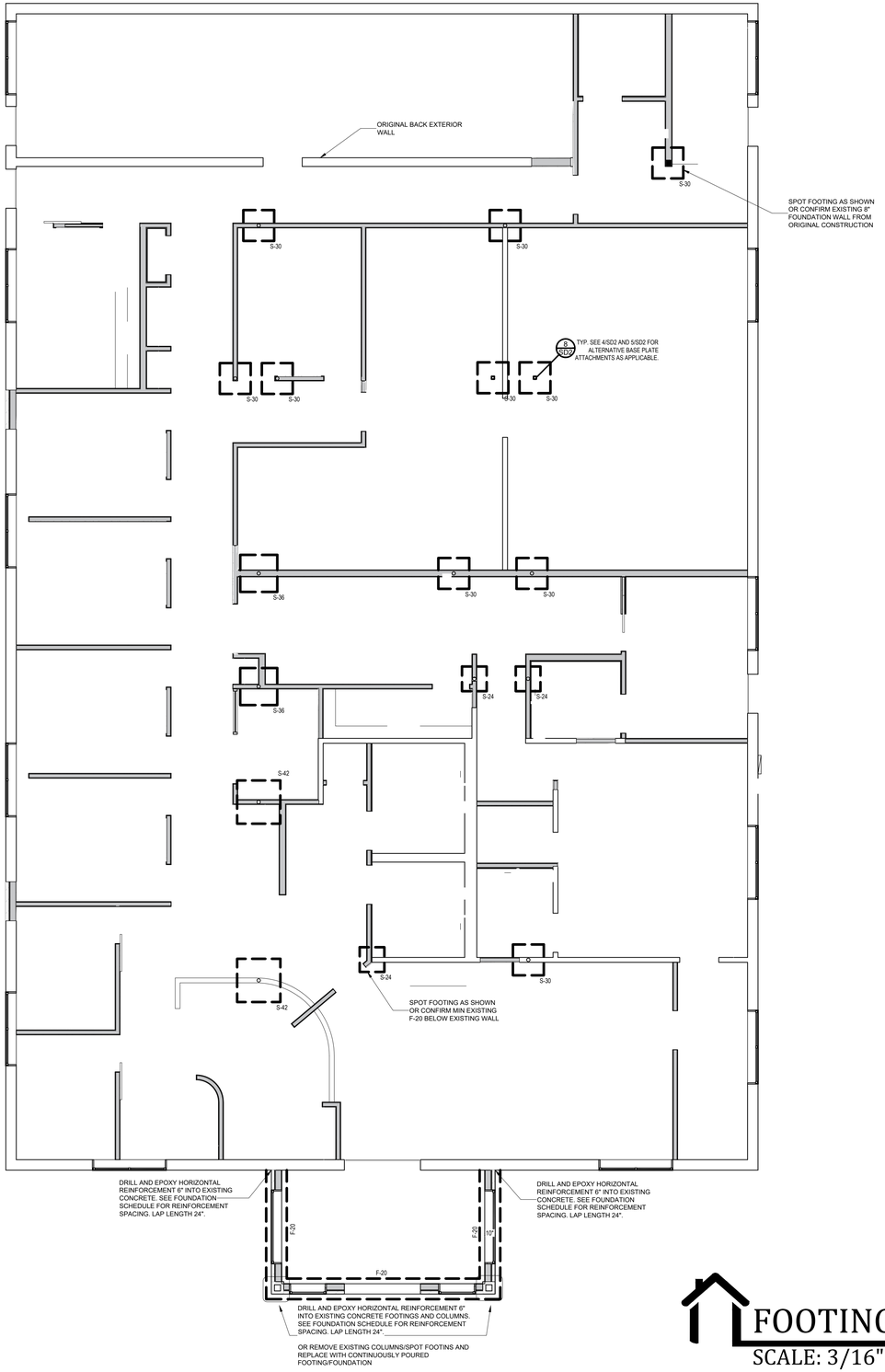
NOTE: THIS ENGINEERING DESIGN ASSUMES THE LOADS AND CRITERIA LISTED ABOVE. CONTRACTOR SHALL REVIEW THE LOADS AND CONTACT YORK ENGINEERING PRIOR TO CONSTRUCTION IF ANY ADJUSTMENTS ARE REQUIRED. THE LOADS ABOVE ASSUME NO RADIANT HEAT FLOORING. SOIL REPORT, IF AVAILABLE, SHALL BE REVIEWED BY YORK ENGINEERING PRIOR TO CONSTRUCTION. IF NO SOILS REPORT IS AVAILABLE, THIS DESIGN ASSUMES THE SOIL PRESSURE ABOVE AND THAT NO LIQUEFACTION, EXPANSIVE, SLOPE STABILITY OR OTHER ADVERSE CONDITIONS EXIST.

NOTE: THIS ENGINEERING ASSUMES THAT THE CLEARANCE & SETBACK REQUIREMENTS LISTED IN IRC SECTION R403.1.7 ARE MET. IF THESE PROVISIONS ARE NOT MET, CONTACT THE ENGINEER FOR FURTHER DESIGN.

NOTE: THIS ENGINEERING ASSUMES THAT THE SITE IS STABLE HAVING NO GLOBAL STABILITY CONCERNS OR HAZARDS. IF THIS IS NOT TRUE, CONTACT SOILS ENGINEER AND PROVIDE SOILS/SLOPE STABILITY REPORT TO YORK ENGINEERING FOR REVIEW AND FURTHER DESIGN.

NOTE:
- SEE ARCHITECTURAL DRAWINGS FOR FOUNDATION DIMENSIONS

- DIMENSIONS SHOWN FOR ASSISTANCE IN PLACEMENT OF STRUCTURAL COMPONENTS. ALL DIMENSIONS MUST BE COORDINATED AND VERIFIED W/ ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS



FOOTING/FOUNDATION PLAN

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

Engineer's Stamp:

PROFESSIONAL ENGINEER
01/15/2026
No. 14223898-2202
JEFFREY LEAVITT LEBARON
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S1

FRAMING NOTES

1. SILL PLATE J-BOLTS SHALL HAVE A 3"X3"X1/4" WASHER AT EACH BOLT. IF SLOTTED WASHER IS USED, ADD CUT WASHER.
2. ALL FOUNDATION HOLDOWN STRAPS/ANCHORS SHALL BE ALIGNED WITH END OF SHEAR WALL AND/OR INTER LEVEL STRAP ABOVE (WHERE OCCURS) AND SHALL ATTACH TO FULL HEIGHT KING STUDS U.N.O., SEE PLAN. PROVIDE WOOD POST AT EACH HOLDOWN PER THE HOLDOWN SCHEDULE.
3. WALL DBL TOP PLATES SHALL BE 2X MIN. AND SHALL LAP 36" AT ALL SPLICES WITH (12) 16d NAILS STAGGERED EACH SIDE OF SPLICE U.N.O, SEE PLAN. WHERE PLATES DO NOT LAP, PROVIDE CS16X32" STRAP TO SPLICE PLATES. ALIGN WALL STUD WITH PLATE JOINTS.
4. ATTACH (2) PLY HEADERS TOGETHER WITH (3) 16d AT 12" O.C. [(2) 16d OK FOR 2X6 HEADERS], USE (3) 16d AT 12" O.C. EACH SIDE FOR (3) PLY HEADERS, USE (4) 16d AT (2) AND (3) PLY HEADERS WHEN HEADER HEIGHT IS GREATER THAN 11". ATTACH (4) PLY HEADERS TOGETHER WITH (2) ½" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" X 6" SCREWS AT 16" O.C. EACH SIDE OF HEADER U.N.O., SEE PLAN.
5. SEE BEARING WALL CONSTRUCTION TABLE FOR WALL FRAMING REQUIREMENTS.
6. EDGE NAIL SHEATHING TO ALL DRAG MEMBERS.
7. ATTACH STEEL BEAMS TO WOOD POSTS PER BEAM POCKET IN WOOD WALL DETAIL.

SHEATHING NOTES

1. STAGGER ROOF AND FLOOR SHEATHING JOINTS, SEE ROOF SHEATHING LAYOUT DETAIL.
2. INSTALL ROOF AND FLOOR SHEATHING WITH LONG DIMENSION PERPENDICULAR TO TRUSSES/JOISTS U.N.O., SEE PLAN. SHEATHING INSTALLED WITH LONG DIMENSION PARALLEL TO JOISTS/TRUSSES SHALL BE 5 PLY PLYWOOD CONFORMING TO APA STANDARD PS-1.
3. NAILS SHALL BE ½" MIN FROM SHEATHING EDGE.
4. ALL FLOOR AND ROOF SHEATHING PIECES SHALL BE 48" X 48" MIN.
5. PROVIDE EDGE NAILING AT ALL SUPPORTED AND BLOCKED PANEL EDGES AND PER DETAILS.

WALL SHEATHING: 7/16" APA RATED 24/16 MIN. U.N.O., SEE PLAN. ALL EXTERIOR WALLS AND VERTICAL SURFACES SHALL BE SHEATHED WITH SHEATHING MANUFACTURED WITH EXTERIOR GLUE. SEE PLANS AND SHEAR WALL SCHEDULE FOR NAILING REQUIREMENTS.

HEADER TO TRIMMER/KING STUD CONNECTION

- NAIL HEADER TO KING STUDS WITH (6) 16d EACH END U.N.O, SEE PLAN.
- FOR HEADERS GREATER THAN 6' LONG, USE (2) LCE CLIPS OR PCZ OR BC POST CAP EACH END OF HEADER TO TRIMMER CONN., OR USE CS16 STRAPS EACH SIDE OF HEADER TO TRIMMERS, SEE HEADER TO TRIMMER CONNECTION DETAIL.

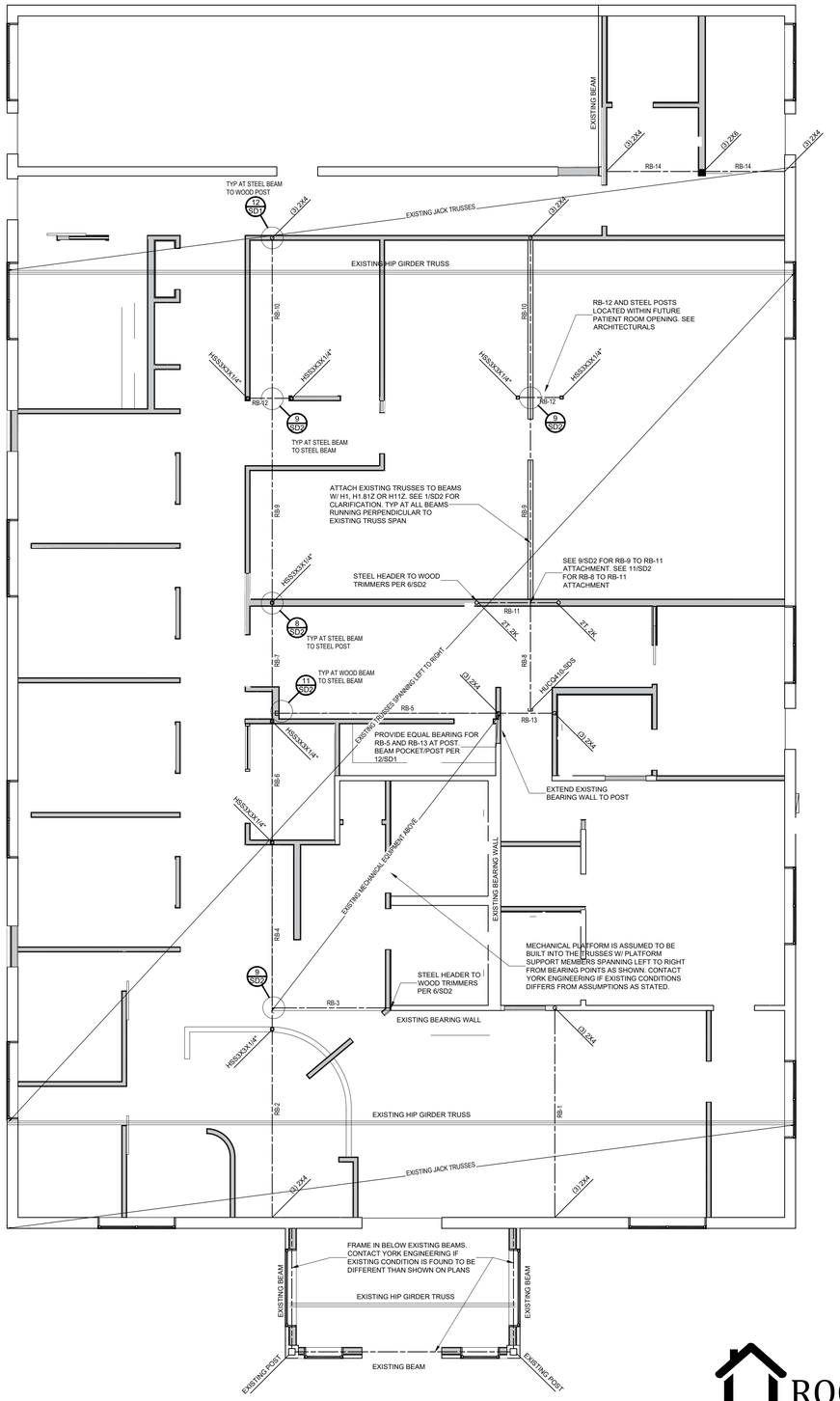
ROOF BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
RB-1:	W8x18 Steel	
RB-2:	W8x18 Steel	
RB-3:	W8x13 Steel	
RB-4:	W8x18 Steel	
RB-5:	(3) 1 3/4" x 9 1/2" LVL	
RB-6:	W8x18 Steel	
RB-7:	W8x18 Steel	
RB-8:	(2) 1 3/4" x 9 1/2" LVL	
RB-9:	W8x18 Steel	
RB-10:	W8x18 Steel	
RB-11:	W8x13 Steel	
RB-12:	W8x13 Steel	
RB-13:	(2) 1 3/4" x 9 1/2" LVL	
RB-14:	(3) 1 3/4" x 7 1/4" LVL	

NOTE:
HEADER/BEAM ATTACHMENT
(2) PLY MEMBERS: ATTACH TOGETHER WITH (3) 16d AT 12" O.C. [(2) 16d OK FOR 2X6 HEADERS]
3 PLY MEMBERS: USE (4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11"
(3) PLY MEMBERS: USE (3) 16d AT 12" O.C. EACH SIDE FOR
--USE (4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11"
4) PLY MEMBERS: ATTACH TOGETHER WITH (2) ½" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" X 6" SCREWS AT 16" O.C. EACH SIDE OF HEADER/BEAM U.N.O., SEE PLAN.

BEARING WALL CONSTRUCTION TABLE	
WALL HEIGHT	TYPICAL STUD SIZE AND SPACING
≤ 10'-0"	2X4'S @ 16" O.C.
10'-1" - 12'-0"	2X4'S @ 12" O.C.
≤ 16'-0"	2X6'S @ 16" O.C.
16'-1" - 18'-0"	2X6'S @ 12" O.C. OR LSL 2X6'S @ 16" O.C.
18'-1" - 20'-0"	2X6'S @ 8" O.C. OR LSL 2X6'S @ 12" O.C.

MIN. KING STUDS/TRIMMERS AT WALL OPENINGS (U.N.O., SEE PLAN)		
OPENING WIDTH	WALL HEIGHT	
	≤ 12'-0"	> 12'-0"
≤ 6'-0"	1 KING STUD/ 1 TRIMMER	2 KING STUDS/ 1 TRIMMER
6'-1" - 10'-0"	1 KING STUD/ 2 TRIMMERS	2 KING STUDS/ 2 TRIMMERS

1. FOR WALLS TALLER THAN 20' AND/OR OPENINGS GREATER THAN 10' WIDE, SEE PLAN.
2. USE 2X6 STUDS FOR ALL WALLS SUPPORTING 3 OR MORE FLOOR/ROOF LOADS.
3. KING STUDS/TRIMMERS NOTED REQUIRED AT EACH END OF EACH WALL OPENING.
4. NAIL KING/TRIMMER PLYS TOGETHER W/ (2) 16d NAILS 9" O.C.
5. PROVIDE ADEQUATE STUDS TO PROVIDE FULL BEARING (MATCH POST WIDTH TO BEAM/GIRDER WIDTH) BELOW BEAMS AND GIRDERS.



ROOF FRAMING PLAN

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

Engineer's Stamp:

PROFESSIONAL ENGINEER
01/15/2026
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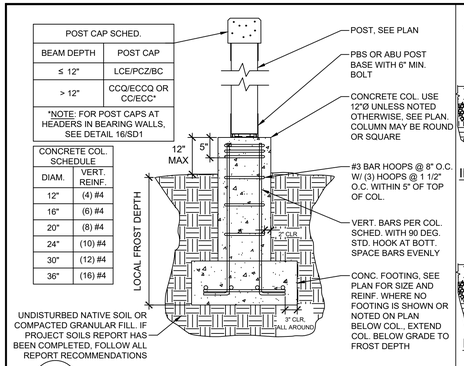
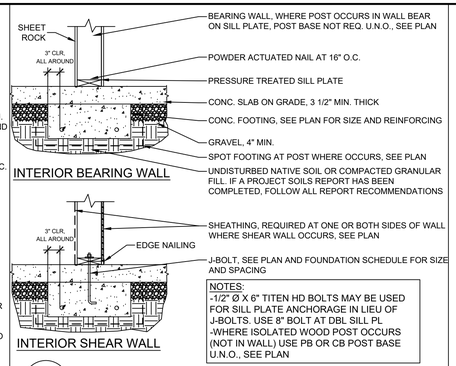
S2

POST CAP SCHED.	
BEAM DEPTH	POST CAP
≤ 12"	LCE/PCZ/BC
> 12"	CCQ/ECCQ OR CC/ECC*
*NOTE: FOR POST CAPS AT HEADERS IN BEARING WALLS, SEE DETAIL 16/SD1	

CONCRETE COL. SCHEDULE	
DIAM.	VERT. REINF.
12"	(4) #4
16"	(6) #4
20"	(8) #4
24"	(10) #4
30"	(12) #4
36"	(16) #4

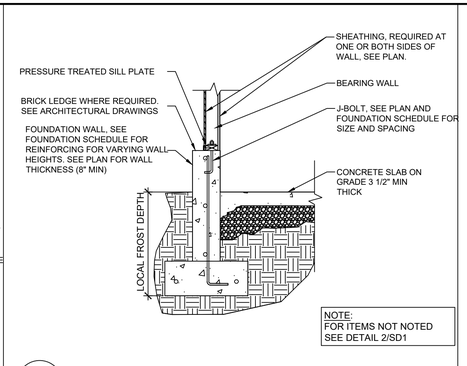


1 ISOLATED WOOD POST AT CONCRETE COLUMN
NTS
TYPICAL DETAIL, USE WHEN APPLIES



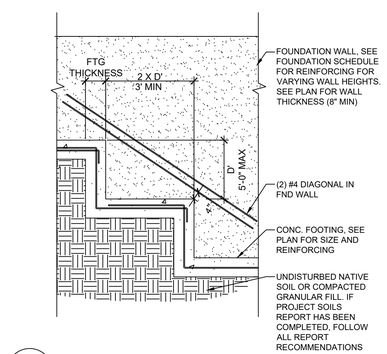
NOTES:
-1/2" Ø X 6" TITEN HD BOLTS MAY BE USED FOR SILL PLATE ANCHORAGE IN LIEU OF J-BOLTS. USE 8" BOLT AT DBL SILL PL
-WHERE ISOLATED WOOD POST OCCURS (NOT IN WALL) USE PB OR CB POST BASE U.N.O., SEE PLAN

2 INTERIOR BEARING/SHEAR WALL AT FOUNDATION
NTS
TYPICAL DETAIL, USE WHEN APPLIES

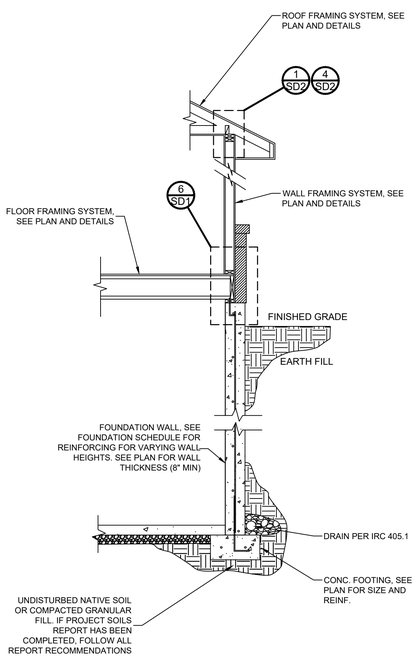


NOTE:
FOR ITEMS NOT NOTED SEE DETAIL 2/SD1

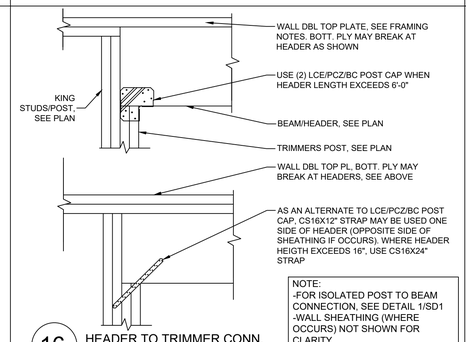
3 SLAB ON GRADE AT FOUNDATION WALL
NTS
TYPICAL DETAIL, USE WHEN APPLIES



4 FOOTING STEP
NTS
TYPICAL DETAIL, USE WHEN APPLIES



TYP. WALL SECTION
NTS

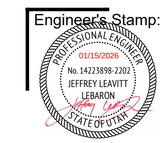


NOTE:
-FOR ISOLATED POST TO BEAM CONNECTION, SEE DETAIL 1/SD1
-WALL SHEATHING (WHERE OCCURS) NOT SHOWN FOR CLARITY

16 HEADER TO TRIMMER CONN.
NTS
TYPICAL DETAIL, USE WHEN APPLIES

ALL DETAILS MAY NOT BE APPLICABLE TO YOUR PLANS
IF MARKED TYPICAL, USE AT ALL APPLICABLE LOCATIONS

Engineer's Stamp:



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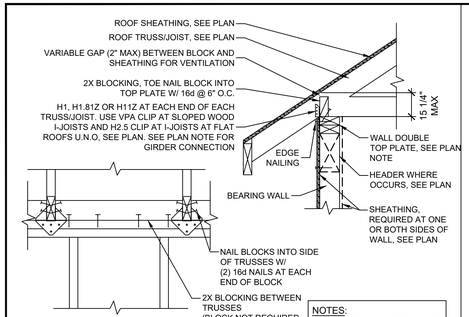
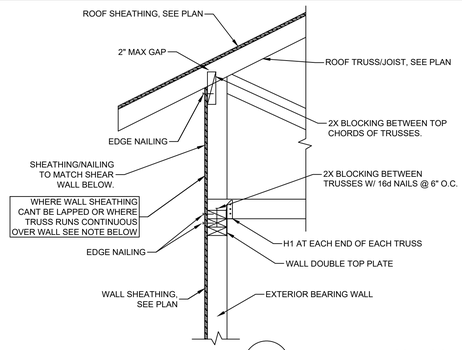
SD1



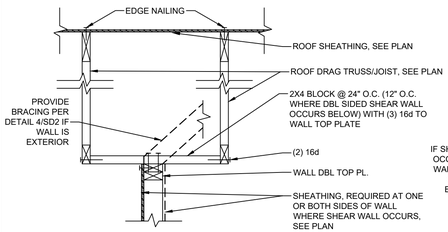
NOTES:
-IF TRUSS HEEL IS OVER 15 1/4" TALL SEE DETAIL 2/SD2 FOR TRUSS DEPTH BLOCKING
-PROVIDE WEB FILLER PER JOIST MFR AT WOOD I-JOISTS FOR CLIP NAILING

1 ROOF TRUSS AT WOOD WALL
NTS
TYPICAL DETAIL, USE WHEN APPLIES

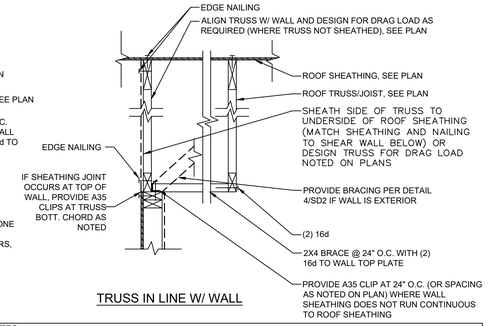


NOTE:
- PRE-FABRICATED SHEAR PANEL BLOCKING DESIGNED BY THE TRUSS MANUFACTURE MAY BE USED WHERE WALL SHEATHING CANNOT BE LAPPED AS SHOWN. BLOCKING TO BE DESIGNED FOR 350 PLF SHEAR LOAD AT TOP OF BLOCK. ATTACH BLOCKING TO WALL TOP PLATE W/ (1) A35 CLIP OR (1) LTP4 CLIP AT EACH BLOCK
- •• BUILT UP BLOCKS MAY BE USED W/ 8d NAILS @ 6" O.C. AROUND PERIMETER W/ 16d NAILS @ 4 O.C. DOWN INTO TOP PLATES

2 TALL HEEL TRUSS BLOCKING
NTS
TYPICAL DETAIL, USE WHEN APPLIES



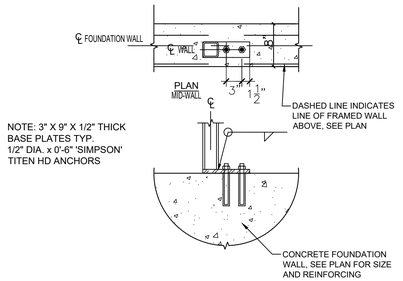
TRUSSES OFF SET FROM WALL



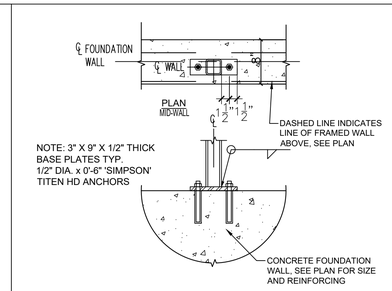
TRUSS IN LINE W/ WALL

NOTES:
-BRACE TRUSS BOTTOM CHORDS PER TRUSS MFR. REQUIREMENTS. BRACING NOT SHOWN FOR CLARITY.
-WHERE ROOF TRUSS IS NOT SHEATHED, TRUSS TO BE DESIGNED FOR DRAG LOAD NOTED ON PLANS (1500 LB MIN. IF LOAD NOT NOTED). TRUSS TO BE DESIGNED TO TRANSFER DRAG LOAD FROM TOP CHORD TO BOTTOM CHORD.

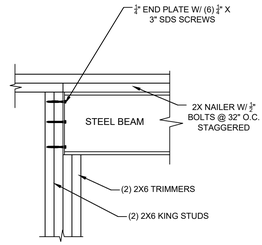
3 TRUSS PARALLEL TO INTERIOR SHEAR WALL
NTS
TYP. DETAIL, USE WHEN APPLIES



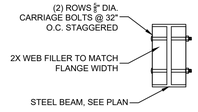
4 OFFSET BASE PLATE AT FOUNDATION WALL
NTS



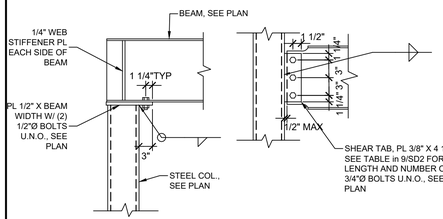
5 STANDARD BASE PLATE AT FOUNDATION WALL
NTS



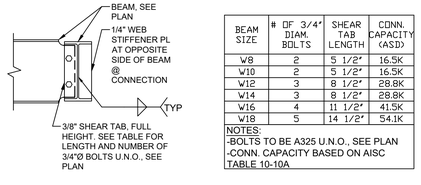
6 STEEL HEADER
NTS



7 WOOD FILLER IN I-BEAM
NTS



8 STEEL BEAM TO COLUMN CONNECTION
NTS
TYPICAL DETAIL, USE WHEN APPLIES

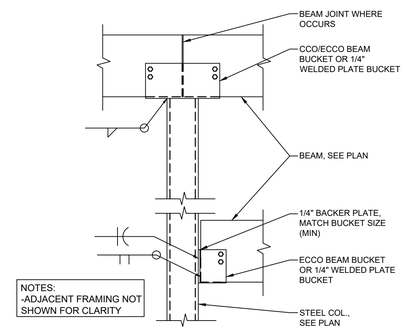


BEAM SIZE	# OF 3/4" DIAM. BOLTS	SHEAR TAB LENGTH	CONN. CAPACITY (ASD)
W8	2	5 1/2"	16.5K
W10	2	5 1/2"	16.5K
W12	3	8 1/2"	28.8K
W14	3	8 1/2"	28.8K
W16	4	11 1/2"	41.5K
W18	5	14 1/2"	54.1K

NOTES:
-BOLTS TO BE A325 U.N.O., SEE PLAN
-CONN. CAPACITY BASED ON AISC TABLE 10-10A

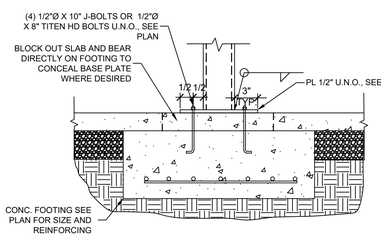
NOTES:
-ADJACENT FRAMING NOT SHOWN FOR CLARITY
-WOOD NAILERS ON BEAMS NOT SHOWN FOR CLARITY

9 STEEL CONNECTION DETAILS
NTS
TYP DETAIL, USE WHEN APPLIES

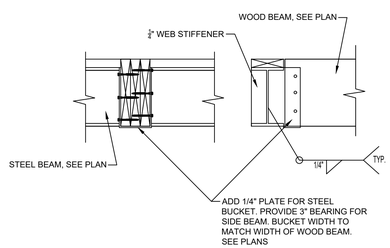


NOTES:
-ADJACENT FRAMING NOT SHOWN FOR CLARITY

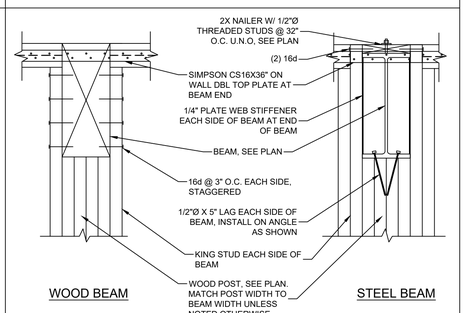
10 WOOD BEAM TO COLUMN CONNECTION
NTS
TYP DETAIL, USE WHEN APPLIES



NOTES:
-FOR COL. ON FOUNDATION WALL, USE 8" WIDE BASE PLATE, SPACE BOLTS 3" APART U.N.O., SEE PLAN
-SHEAR TAB CONN. MAY BE USED AT TOP OF COL. IN LIEU OF CAP PLATE
-ADJACENT FRAMING NOT SHOWN FOR CLARITY
-W00D NAILERS ON BEAMS NOT SHOWN FOR CLARITY
-FOR ITEMS NOT NOTED, SEE DETAIL 2/SD1



11 STEEL BUCKET FOR WOOD BEAM
NTS



12 BEAM POCKET IN WOOD WALL
NTS
TYPICAL DETAIL, USE WHEN APPLIES

NOTE: NAILING AT POST PLYS NOT SHOWN FOR CLARITY.

MIN. LEDGER SIZE AND ATTACHEMENT TO WALL STUDS AT 16" O.C. (U.N.O., SEE PLAN)				
	ROOF OR FLOOR LIVE/SNOW LOAD (PSF)			
MAX TRUSS/JOIST SPAN (FT)	40-50 PSF	50-55 PSF	60-65 PSF	70-75 PSF
≤ 8'	2X6, (3) 16d	2X8, (4) 16d	2X8, (4) 16d	2X8, (2) SDS 1/4" X 4 1/2"
12'	2X8, (4) 16d	2X10, (3) SDS 1/4" X 4 1/2"	2X10, (3) SDS 1/4" X 4 1/2"	2X10, (3) SDS 1/4" X 4 1/2"
16'	2X10, (3) SDS 1/4" X 4 1/2"	2X10, (3) SDS 1/4" X 4 1/2"	1 3/4" X 11 7/8" LVL, (4) SDS 1/4" X 4 1/2"	1 3/4" X 11 7/8" LVL, (4) SDS 1/4" X 4 1/2"
20'	1 3/4" X 11 7/8" LVL, (4) SDS 1/4" X 4 1/2"	1 3/4" X 11 7/8" LVL, (4) SDS 1/4" X 4 1/2"	1 3/4" X 16" LVL, (5) SDS 1/4" X 4 1/2"	1 3/4" X 16" LVL, (5) SDS 1/4" X 4 1/2"

TABLE NOTES
1. LEDGER NAILS TO BE 16d - .148"Ø X 3 1/2", MIN.
2. SDS SCREWS TO BE SPACED 3" O.C., 1 1/2" FROM LEDGER EDGE
3. WHERE LEDGER IS INSTALLED DIRECTLY ON WALL STUDS (NOT ON WALL SHEATHING) 3 1/2" SCREWS MAY BE USED
4. CENTER LEDGER SCREWS/NAILS IN WALL STUDS

GENERAL STRUCTURAL NOTES

1. CONTRACTOR (INCLUDING SUB-CONTRACTORS) SHALL FOLLOW ALL REQUIREMENTS STATED IN THESE DOCUMENTS AND ALL APPLICABLE BUILDING CODES AND STANDARDS AND SHALL BE QUALIFIED TO PERFORM AND EXPERIENCED IN PERFORMING THE WORK REQUIRED FOR THE PROJECT.
2. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS STATED IN ALL OTHER DOCUMENTS APPLICABLE TO THE PROJECT. IF ANY DISCREPANCIES OCCUR BETWEEN THE STRUCTURAL DOCUMENTS AND OTHER PROJECT DOCUMENTS, NOTIFY YORK ENGINEERING OF THE DISCREPANCY PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC., PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND SHALL PROVIDE SHORING AND BRACING AS REQUIRED TO PROVIDE STRUCTURAL STABILITY AT ALL TIMES DURING CONSTRUCTION.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE CORROSION PROTECTION OF ALL STRUCTURAL ELEMENTS.
6. ALL MATERIALS/PRODUCTS SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.
7. SPECIFIC NOTES AND DETAILS SHALL GOVERN OVER TYPICAL NOTES AND DETAILS.
8. TYPICAL NOTES AND DETAILS APPLY WHERE SPECIFIC NOTES AND DETAILS ARE NOT INDICATED.
9. MATERIALS SHALL BE PLACED ON THE STRUCTURE SUCH THAT THE DESIGN LOADS STATED IN THE DESIGN CRITERIA TABLE ARE NOT EXCEEDED AND THE LOAD BEARING CAPACITY OF TEMPORARY SHORING AND BRACING IS NOT EXCEEDED.
10. EACH PIECE OF STRUCTURAL LUMBER (AND SHEATHING) SHALL BE MARKED BY A COMPETENT AND RELIABLE ORGANIZATION WHOSE REGULAR BUSINESS IS TO ESTABLISH LUMBER GRADES. THE ORGANIZATION, GRADING AND GRADE MARKINGS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
11. THE SIZING AND SURFACING OF ALL LUMBER SHALL BE MILL SIZED AND SURFACED ON ALL 4 SIDES U.N.O., SEE PLAN. ALL LUMBER SHALL BE FREE OF HEART CENTER. SPLICES SHALL NOT BE PERMITTED EXCEPT WHERE NOTED OR APPROVED BY THE ENGINEER.
12. ALL FRAMING HARDWARE SHALL BE SIMPSON STRONG-TIE OR APPROVED EQUAL U.N.O. AND SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS. USE THE MAXIMUM NUMBER AND SIZE OF FASTENERS SPECIFIED BY THE MANUFACTURER U.N.O., SEE PLAN.
13. WHERE A SPECIFIC CONNECTOR TYPE/MODEL IS NOT INDICATED, PROVIDE A CONNECTOR SIZED TO FIT THE MEMBERS BEING CONNECTED.
14. SAWN LUMBER SHALL BE HEM FIR #2 OR BETTER U.N.O., SEE PLAN. POSTS AND TIMBERS SHALL BE HEM FIR #1 OR BETTER.
15. INSTALL SOLID FULL HEIGHT BLOCKING BETWEEN TRUSSES/JOISTS AT ALL BEARING POINTS U.N.O, SEE PLAN.
16. WEB FILLERS SHALL BE PROVIDED ON WEBS OF WOOD I-JOISTS PER THE JOIST MANUFACTURER'S REQUIREMENTS AND PER THE HARDWARE MANUFACTURER'S REQUIREMENTS WHERE HARDWARE ATTACHES TO THE I-JOIST.
17. PRE-MANUFACTURED TRUSSES AND JOISTS SHALL BE BRACED PER THE MANUFACTURER'S REQUIREMENTS. MULTI-PLY MEMBERS SHALL BE ATTACHED TOGETHER PER THE MANUFACTURER'S REQUIREMENTS.
18. PRE-MANUFACTURED PRODUCTS SUCH AS WOOD TRUSSES AND I-JOISTS SHALL ONLY BE ALTERED WITH THE APPROVAL OF THE MANUFACTURER AND SHALL BE REPAIRED (WHEN REQUIRED) PER THE MANUFACTURER'S REQUIREMENTS.
19. BOLTS/LAGS AT ALL WOOD TO WOOD, WOOD TO STEEL AND WOOD TO CONCRETE CONNECTIONS SHALL BE A307 U.N.O., SEE PLAN.
20. BOLTS IN WOOD SHALL BE INSTALLED IN HOLES 1/16" IN DIAMETER LARGER THAN THE BOLT DIAMETER AND SHALL HAVE WASHERS BETWEEN HEAD/NUT AND WOOD MEMBER.
21. LAGS SHALL BE INSTALLED IN HOLES PRE-DRILLED AT SAME DIAMETER AS LAG SHAFT FOR UNTHREADED SHAFT PORTION OF HOLE AND 40%-70% OF SHAFT DIAMETER FOR THREADED PORTION.
22. ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED U.N.O, SEE PLAN.
23. ALL FASTENERS AND CONNECTORS (NAILS, SCREWS, BOLTS, NUTS, WASHERS, ETC.) IN CONTACT WITH PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL MEET THE REQUIREMENTS OF IBC 2304.10.5.
24. DO NOT COUNTER SINK BOLT/LAG HEADS INTO WOOD MEMBERS UNLESS SPECIFICALLY NOTED ON PLANS OR APPROVED BY THE ENGINEER.
25. ALL NAILING SHALL BE PER IBC TABLE 2304.10.1 U.N.O., SEE PLAN. ATTACH 2X4 STUDS TO WALL TOP AND BOTT. PLATES WITH (2) 16d NAILS, USE (3) 16d NAILS FOR 2X6 STUDS. BUILT-UP 2X POSTS SHALL BE FACE NAILED TOGETHER WITH (2) 16d AT 9" O.C.
26. PROVIDE POSTS TO MATCH WIDTH OF SUPPORTED BEAMS/HEADERS U.N.O., SEE PLAN. CONTINUE POSTS TO FOUNDATION INCLUDING SQUASH BLOCKING IN FLOORS. MATCH SQUASH BLOCKING SIZE TO POST SIZE.
27. WHERE JOISTS/TRUSSES RUN PARALLEL TO INTERIOR BEARING WALLS, ALIGN JOIST/TRUSS UNDER WALL BOTT. PLATE OR PROVIDE FULL HEIGHT BLOCKING AT 16" O.C. IN FLOOR PERPENDICULAR TO WALL AND BLOCKING ALIGNED UNDER WALL. PROVIDE DBL JOIST/TRUSS UNDER DBL SIDED SHEAR WALLS, SEE INTERIOR SHEAR WALL AT WOOD FLOOR DETAIL.
28. WOOD WALLS SHALL BE BALLOON FRAMED FROM FOUNDATION TO ROOF EXCEPT WHERE FLOORS BREAK WALL STUDS PER FLOOR JOIST AT WOOD WALL DETAIL.
29. SHEATHING SHALL BE PROVIDED ON RIM BOARDS AND NAILED PER REQUIREMENTS OF SHEAR WALL ABOVE.
30. EXCEPT WHERE NOTED OTHERWISE, PROVIDE METAL FRAMING CONNECTOR (HANGER, CLIP, CAP, ETC.) AT ALL WOOD TO CONCRETE, WOOD TO STEEL AND WOOD TO WOOD CONNECTIONS.
31. ATTACH BRICK VENEERS TO FRAMING PER IRC R703.8.
32. PROVIDE 6" X 3 1/2" X 5/16" STEEL ANGLE TO SUPPORT BRICK VENEERS. ATTACH ANGLE WITH (2) 7/16" X 4" LAGS AT 16" O.C., USE (1) ½" X 4 ½" TITEN HD BOLT AT 16" O.C. FOR ATTACHMENT TO CONCRETE OR MASONRY.
33. WOOD NAILERS ON STEEL BEAMS SHALL BE 2X WITH ½" DIAM. THREADED STUDS AT 32" O.C. U.N.O, SEE PLAN. NAILERS ON STEEL FRAME BEAMS SHALL BE 3X WITH ¾" DIAM. STUDS AT 24" O.C. U.N.O, SEE PLAN.
34. ¼" WEB STIFFENERS SHALL BE PROVIDED EACH SIDE OF STEEL BEAMS AT ALL BEARING POINTS.
35. USE ¾" DIAM. A325 BOLTS AT ALL STEEL TO STEEL CONNECTIONS U.N.O., SEE PLAN.
36. GROUT BELOW STEEL BASE PLATES (IF USED) SHALL BE 5000 PSI NON-SHRINK GROUT.
37. ALL WELDING SHALL BE DONE PER AISC AND AWS SPECIFICATIONS. WELDERS SHALL BE AWS CERTIFIED.
38. WELD MATERIAL SHALL BE 70 KSI MIN.
39. RIM BOARD TO BE 1 1/8" MIN. U.N.O., SEE PLAN.
40. YORK ENGINEERING LIABILITY IS LIMITED TO FIVE TIMES THE FEE COLLECTED FOR SERVICES. THE CONTRACTOR(S) MUST READ, UNDERSTAND AND ACCEPT ALL YORK ENGINEERING DOCUMENTS APPLICABLE TO THIS DESIGN PRIOR TO UTILIZING THE DESIGN. BY USING THIS DESIGN, THE OWNER/CONTRACTOR ACCEPTS THE DESIGN, ASSUMED LOADS AND LIMITS ON LIABILITY STATED.
41. PERIODIC SPECIAL INSPECTIONS REQUIRED ON TRUSS BRACING AT TRUSSES OVER 5'-0" TALL UNLESS WAIVED BY BUILDING OFFICIAL.
42. PRE-FABRICATED TRUSS LAYOUT PLAN AND CALCULATIONS SHALL BE PROVIDED TO YORK ENGINEERING FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

ALL DETAILS MAY NOT BE APPLICABLE TO YOUR PLANS
IF MARKED TYPICAL, USE AT ALL APPLICABLE LOCATIONS

Engineer's Stamp:

PROFESSIONAL ENGINEER
01/15/2026
No. 14223898-2202
JEFFREY LEAVITT LEBARON
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SD2

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
(E)	EXISTING
(F)	FUTURE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AIR COND	AIR CONDITION (-ING, -ED)
APD	AIR PRESSURE DROP
BD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
COND	CONDENS (-ER, -ING, -ATION)
CU	CONDENSING UNIT
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DP	DEPTH OR DEEP
EA	EXHAUST AIR
EER	ENERGY EFFICIENT RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT (-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
EXT	EXTERNAL
FC	FLEXIBLE CONNECT (-OR, -ION)
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GC	GENERAL CONTRACTOR
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HZ	HERTZ (FREQUENCY)
ID	INSIDE DAMPER
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LG	LENGTH
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR (-ER, -ED)
N_2O	NITROUS OXIDE
NC	NOISE CRITERIA
NIC	NOT IN CONTACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
O_2	OXYGEN
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPOLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
RA	RETURN AIR
RECIRC	RECIRCULATE
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SF	SAFETY FACTOR
SH	SENSIBLE HEAT
SL	SEA LEVEL
SP	STATIC PRESSURE

ABBREVIATIONS CONTINUED...

ABBREVIATION	DESCRIPTION
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA (R)	TRANSFER AIR (RETURN)
TA (S)	TRANSFER AIR (SUPPLY)
TD	TEMPERATURE DROP OR DIFFERENCE
TEMP	TEMPERATURE
TOT	TOTAL
TSTAT	THERMOSTAT
TYP	TYPICAL
V	VOLT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY TEMPERATURE
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VTR	VENT THRU ROOF
WB	WET BULB
WC	WATER COLUMN
WD	WASHER & DRYER
WG	WATER GAUGE
WH	WATER HEATER
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTR	WATER

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	EXHAUST FAN
	2 SLOT DIFFUSER
	4 SLOT DIFFUSER
	ROUND DIFFUSER
	AIR FLOW DIRECTION
	SQUARE 90
	SQUARE 45
	FLEX
	VAV BOX
	DAMPER
	BYPASS DAMPER
T	THERMOSTAT
	KEYED NOTE
	CONCENTRIC VENT KIT
TAG / CFM	DIFFUSER/CFM TAG
TAG / CAP.	EQUIPMENT TAG
RG	RETURN AIR GRILLE TAG

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	BALL
	BUTTERFLY
	2-WAY AUTO
	3-WAY
	GATE (SHUT-OFF)
	MIXING
	CHECK
	UNION
	STRAINER
	PRV
	PRESS. RELIEF
	VLV. IN RISER
	BALANCE VLV. (CIRCUIT SET.)
	BCKFLOW. PREVENT.
	PUMP
	AIR SEPARATOR
	THERMOSTAT
	GAUGE
	VIB. ISO.
	DIR. ARROW
	BREAK
	TEE
	RISER TEE
	RISER
	HOSE BIBB
	CLEAN OUT
	FCO
	FLOOR DRAIN
	FLOOR SINK
	PLUMBING EQUIP.
	ROOF DRAIN
S	SENSOR

MATERIAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS (UNLESS NOTED OTHERWISE)

LOW PRESSURE RECTANGULAR DUCT AND ROUND DUCT

SUPPLY DUCT - SINGLE WALL SHEET METAL.
RETURN DUCT - SINGLE WALL SHEET METAL.
EXHAUST DUCT - SINGLE WALL SHEET METAL.
COMBUSTION AIR DUCT - SINGLE WALL SHEET METAL.

BELOW GRADE DUCT (ROUND OR RECTANGULAR)

SUPPLY DUCT - SINGLE WALL SHEET METAL WITH PVS COATING.
RETURN DUCT - SINGLE WALL SHEET METAL WITH PVS COATING.

FLUE PIPING

SINGLE WALL - ALUMINUM SINGLE WALL (SEE DRAWING FOR LOCATIONS).
DOUBLE WALL - ALUMINUM B-VENT PIPE.
PVC - CONDENSING FURNACES TO BE DWG.

PLUMBING SPECIFICATIONS (UNLESS NOTED OTHERWISE)

ABOVE GRADE PIPING

SANITARY WASTE - SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.
SANITARY VENT - SCH40 PVC WITH SOLVENT GLUED DWV FITTINGS.
DOMESTIC COLD WATER - 2" AND SMALLER - BLUE PEXTUBING WITH POLYALLOY CRIMPED FITTINGS.
DOMESTIC COLD WATER - 2" AND LARGER - AQUATHERM OR CPVC PIPE WITH GLUED FITTINGS.
DOMESTIC HOT WATER - RED PEX TUBING WITH POLY ALLOY CRIMPED FITTINGS. 1" FIBERGLASS INSULATION.
CONDENSATE DRAINS - (INSIDE) SCH40 PVC WITH SOLVENT CEMENT JOINTS.
CONDENSATE DRAINS - (OUTSIDE) TYPE 'M' CU TUBING WITH SOLDER JOINTS.
NATURAL GAS - 2" AND UNDER SCH40 BLACK PIPE WITH THREADED JOINTS.
NATURAL GAS - 2 ½" AND OVER SCH40 BLACK PIPE WITH WELDED JOINTS.

BELOW GRADE PIPING

SANITARY WASTE - SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS
ROOF DRAINS - SCH40 PVC DWV PIPING WITH SOLVENT GLUED DWV FITTINGS.
DOMESTIC WATER - TYPE 'K' COPPER TUBING WITH LEAD-FREE SOLDER JOINTS.

DOMESTIC PIPING SINULATION

1" FIBERGLASS INSULATION FOR PIPING 1 ¼" AND SMALLER.
1 ½" FIBERGLASS INSULATION FOR PIPING 1 ½" AND LARER.

SHEET INDEX

MECHANICAL NOTES

1. ALL WORK PROVIDED BY DIVISION 23 SHALL BE IN ACCORDANCE WITH 2021 IMC, IBC, IECC, NEC, NFC, NFPA AND ASHRAE 183.
2. COORDINATE LOCATION OF CEILING DIFFUSERS AND GRILLES WITH FIRE SPRINKLER LOCATIONS AND REFLECTED CEILING PLANS.
3. DUCTWORK ROUTING AS SHOWN ON DRAWINGS IS DIAGRAMMATIC ONLY. OFFSETS AND TRANSITIONS MAY BE REQUIRED TO COORDINATE WITH OTHER TRADES AND SHALL BE PROVIDED AT NO ADDITIONAL COST.
4. ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL ACCORDING TO CURRENT EDITION OF THE SMACNA DUCT CONSTRUCTION STANDARDS. FIBERGLASS DUCTBOARD WILL NOT BE ALLOWED.
5. THERMOSTATS SHALL BE SEVEN DAY PROGRAMMABLE WITH AUTO CHANGEOVER.
6. ALL DUCTWORK SHALL BE SIZED BY USING THE EQUAL FRICTION METHOD.
7. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, LIGHTS, CEILING DIFFUSERS, AND FIRE SPRINKLERS.
8. ALL DUCT SIZES LISTED IN THESE DRAWINGS ARE INSIDE CLEAR DIMENSIONS UNLESS NOTED OTHERWISE.
9. ALL MATERIALS INSTALLED IN AN AREA ABOVE THE CEILING DESIGNATED AS A RETURN AIR PLENUM MUST 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.
10. PROVIDE AIR BALANCING REPORTS TO BUILDING INSPECTOR PRIOR TO FINAL INSPECTION.
11. THE TOP OF ALL THERMOSTATS TO BE INSTALLED 48" UP FROM FLOOR.

GENERAL EQUIPMENT NOTES

1. ALL CAPACITIES ARE AT JOB SITE CONDITIONS & ARE MINIMUM CAPACITY.
2. VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS FOR ALL EQUIPMENT PRIOR TO ORDERING EQUIPMENT.
3. ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS.
4. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HVAC EQUIPMENT CHECK-IN, SAFEKEEPING, & DAMAGE.

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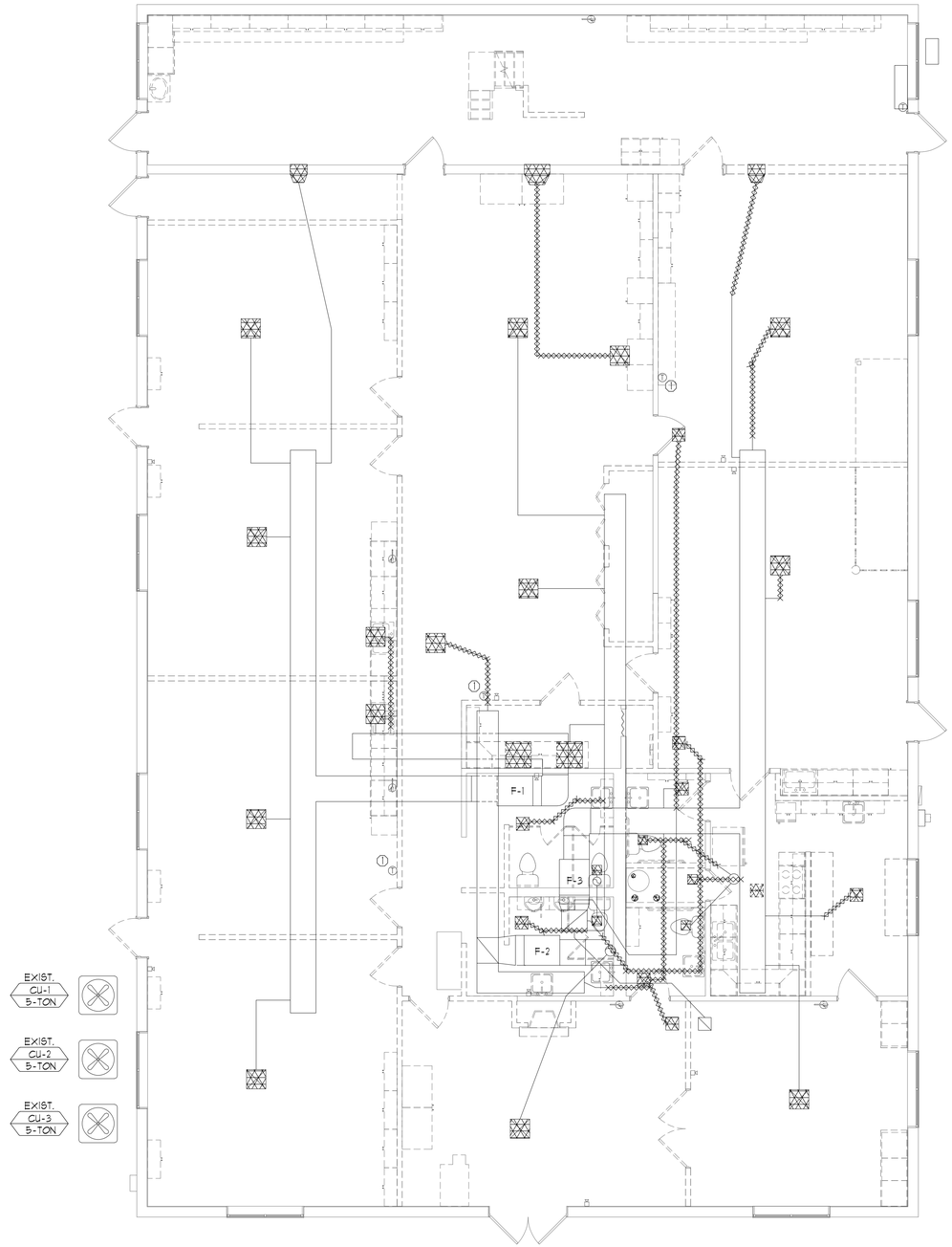
MECH. & PLUMB. COVER SHEET

DATE: JAN. 13, 2026

MP-0

SHEET 1 OF 8

REGISTERED PROFESSIONAL ENGINEER
JEFF T. BROWN
#264382
01/20/2026
STATE OF UTAH



KEYED NOTES

1. THERMOSTAT TO BE RELOCATED TO THIS POSITION.

--------- INDICATES EXISTING TO REMAIN

xxxxxxxxx INDICATES DUCT TO BE REMOVED

MECHANICAL DEMO PLAN

SCALE: 3/16" = 1'

NORTH

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MECHANICAL DEMO PLAN

DATE: JAN. 13, 2026

M-1

SHEET 2 OF 8

REGISTERED PROFESSIONAL ENGINEER
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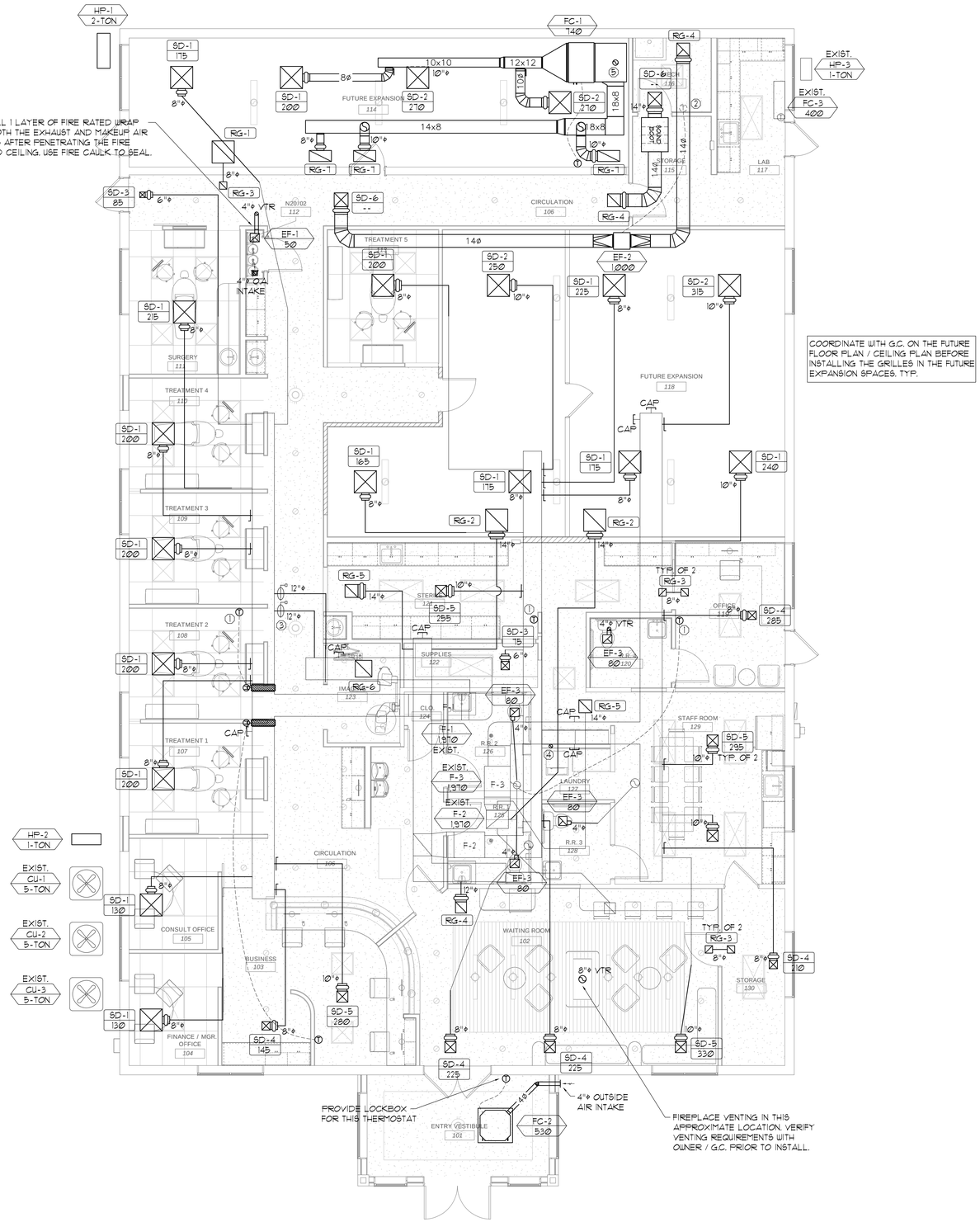
#264382
01/20/2026
STATE OF UTAH



INSTALL 1 LAYER OF FIRE RATED WRAP ON BOTH THE EXHAUST AND MAKEUP AIR DUCTS AFTER PENETRATING THE FIRE RATED CEILING. USE FIRE CAULK TO SEAL.

COORDINATE WITH G.C. ON THE FUTURE FLOOR PLAN / CEILING PLAN BEFORE INSTALLING THE GRILLES IN THE FUTURE EXPANSION SPACES. TYP.

KEYED NOTES

1. THERMOSTAT TO BE RELOCATED TO THIS POSITION.
2. LINE VOLTAGE COOLING STAT TO BE INSTALLED BY ELECTRICIAN.
3. INSTALL (2) 12" BYPASS DAMPERS.
4. 4"ø ALUMINUM DRYER VENT. USE EXISTING ROOF PENETRATIONS IF POSSIBLE.
5. 6"ø OUTSIDE AIR INTAKE VTR COORDINATE WITH G.C. TO SELECT WHETHER THE INTAKE PENETRATES THE ROOF OR THE EXTERIOR WALL.

--------- INDICATES EXISTING TO REMAIN

——— INDICATES NEW WORK

VERIFY ALL EXISTING RECTANGULAR AND ROUND DUCT SIZES.

MECHANICAL FLOOR PLAN

SCALE: 3/16" = 1'

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MECHANICAL FLOOR PLAN

DATE: JAN. 13, 2026

M-2

SHEET 3 OF 8

REGISTERED PROFESSIONAL ENGINEER
JEFF T. BROWN
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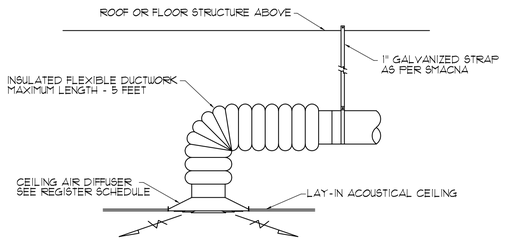
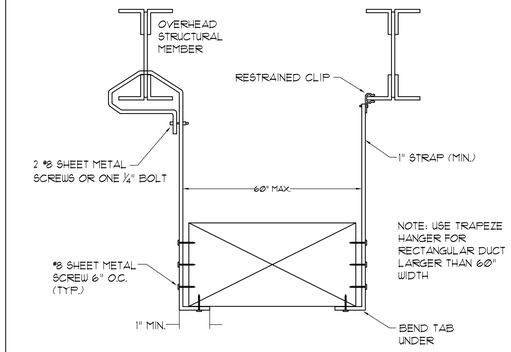
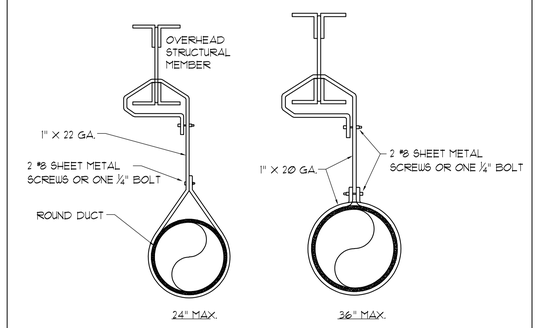
01/20/2026
STATE OF UTAH



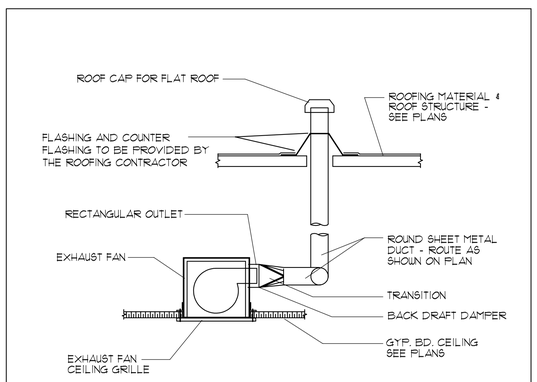
1 *DETAIL* SCALE: NONE — FLEXIBLE DUCTWORK SUPPLY AIR DIFFUSER CONNECTION DETAIL



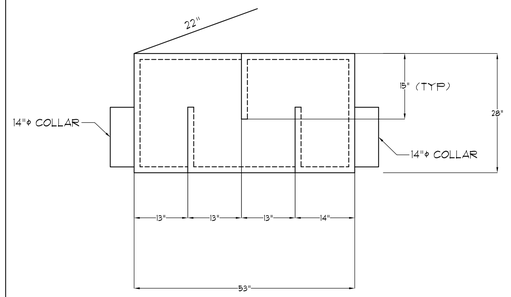
2 *DETAIL* SCALE: NONE — RECTANGULAR DUCT HANGER



3 *DETAIL* SCALE: NONE — ROUND DUCT HANGER



4 *DETAIL* SCALE: NONE — EXHAUST FAN



5 *DETAIL* SCALE: NONE — DENTAL SOUND BOOT

DIFFUSER SCHEDULE

MAKE	TAG	MODEL	STYLE	NECK SIZE
METALAIRE	SD-1	5700	LAY-IN	8"ϕ
METALAIRE	SD-2	5700	LAY-IN	10"ϕ
METALAIRE	SD-3	5500S W/ OBD	SURFACE	6"x6"
METALAIRE	SD-4	5500S W/ OBD	SURFACE	9"x9"
METALAIRE	SD-5	5500S W/ OBD	SURFACE	12"x12"
METALAIRE	SD-6	5500S W/ OBD	SURFACE	14"x14"
METALAIRE	RG-1	7300R-6	LAY-IN	8"ϕ
METALAIRE	RG-2	7300R-6	LAY-IN	14"ϕ
METALAIRE	RG-3	5RP-1	SURFACE	8"x8"
METALAIRE	RG-4	5RP-1	SURFACE	12"x12"
METALAIRE	RG-5	5RP-1	SURFACE	14"x14"
METALAIRE	RG-6	5RP-1	SURFACE	18"x18"
METALAIRE	RG-7	7300R-6	LAY-IN	24"x12"

EXHAUST FAN SCHEDULE

EQUIPMENT STYLE	TAG	MAKE	MODEL	CFM	A/C-HP-W	VOLTS/PHASE	REMARKS
CEILING EXHAUST FAN	EF-1	BROAN	E050	50 @ .125"	132 WATTS	120/1/60	FAN TO RUN CONTINUOUSLY
INLINE EXHAUST FAN	EF-2	S & P	SQD1050	1,000 @ 0.125"	330 WATTS	208-230/1/60	
CEILING EXHAUST FAN	EF-3	BROAN	A80	80 @ 0.1"	43 WATTS	120/1/60	

MINI-SPLIT SCHEDULE

EQUIPMENT STYLE	TAG	MAKE	MODEL	CFM	VOLTS/PHASE	MCA	MOCP	SEER/EER	WEIGHT
FAN COIL UNIT	FC-1	MITSUBISHI	FEAD-AA24NL	740 @ 0.5"	208-230/1/60				67 LB
HEAT PUMP	HP-1	MITSUBISHI	FUZ-AH24NL		208-230/1/60	22	37	19.6/12	155 LB
CASSETTE UNIT	FC-2	MITSUBISHI	FLA-A12EA8	530 @ 0.5"	208-230/1/60				46 LB
HEAT PUMP	HP-2	MITSUBISHI	FUY-A12NKAT		208-230/1/60	11	28	26.9/16.4	92 LB
EXIST. DUCTLESS UNIT	FC-3	HITACHI	RAS-5H12RHLAE	400 @ 0.5"	208-230/1/60				29 lb
EXIST. HEAT PUMP	HP-3	HITACHI	RAC-5H12WHLAE		208-230/1/60	12	15	20/12.5	73 lb

EXISTING FURNACE/CONDENSING UNIT SCHEDULE

EQUIPMENT STYLE	TAG	MAKE	MODEL	CFM	HEAT INPUT	A/C-HP-W	VOLTS/PHASE	MCA	MOCP	AFUE/SEER
FURNACE	F-1	--	--	1,970 @ 0.5"	100 MBH	5 TON - 1 HP	115/1/60			--
CONDENSING UNIT	CU-1	RHEEM	RA1360AGJNB			5 TON	208-230/1/60	35	60	13/11.0
FURNACE	F-2	--	--	1,970 @ 0.5"	100 MBH	5 TON - 1 HP	115/1/60			--
CONDENSING UNIT	CU-2	AMANA	ASX13061IAC			5 TON	208-230/1/60	34.3	60	13/11.0
FURNACE	F-3	--	--	1,970 @ 0.5"	100 MBH	5 TON - 1 HP	115/1/60			--
CONDENSING UNIT	CU-3	AMANA	ASX14060KD			5 TON	208-230/1/60	32.6	50	13/11.0

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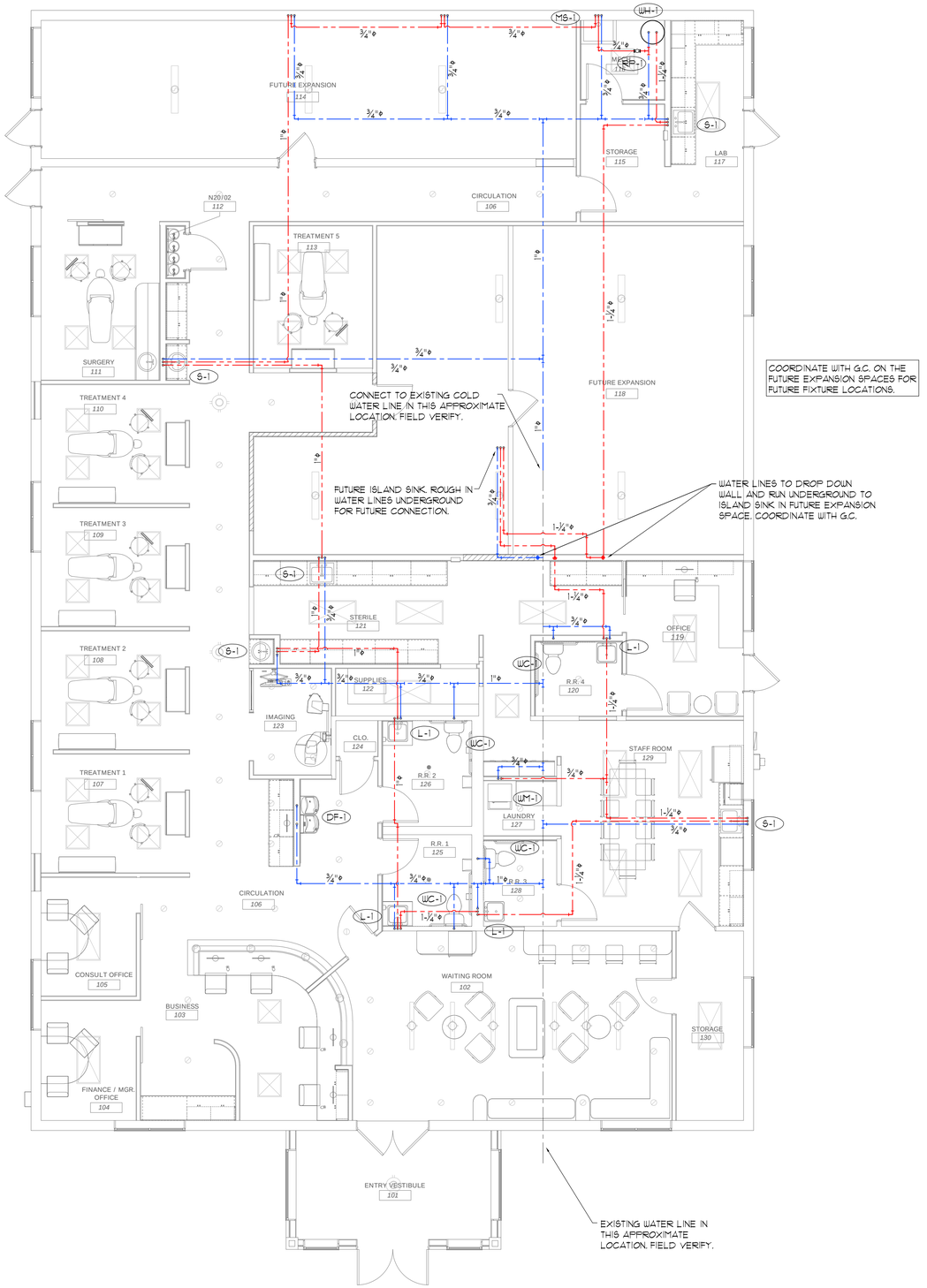
MECH. SCHEDULES & DETAILS

DATE: JAN. 13, 2026

M-3

ALL EXISTING WATER FIXTURES AND WATER HEATER TO BE DEMOLISHED. SEE ARCHITECTURAL DEMO PLAN.

PLUMBING CONTRACTOR TO MAKE SITE VISIT PRIOR TO BIDDING TO CONFIRM WATER LINE LOCATIONS. USE EXISTING WATER LINES WHERE POSSIBLE. PROVIDE NEW AS NECESSARY.



PLUMBING WATER PIPING PLAN

SCALE: 3/16" = 1'

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PLUMBING WATER PIPING PLAN

DATE: JAN. 13, 2026

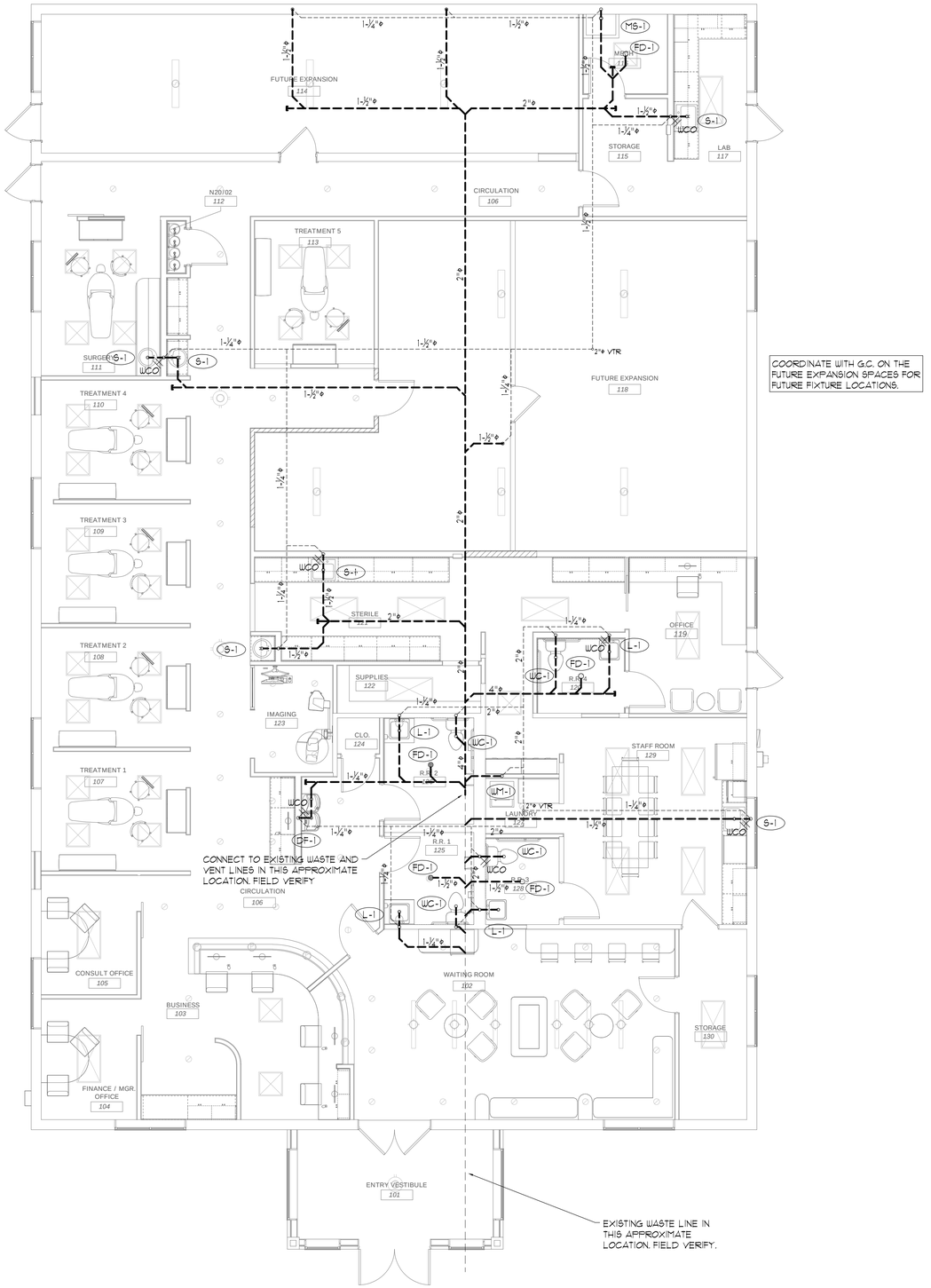
P-1

SHEET 5 OF 8

REGISTERED PROFESSIONAL ENGINEER
JEFF T. BROWN
#264382
01/20/2026
STATE OF UTAH

ALL EXISTING WATER FIXTURES AND WATER HEATER TO BE DEMOLISHED. SEE ARCHITECTURAL DEMO PLAN.

PLUMBING CONTRACTOR TO MAKE SITE VISIT PRIOR TO BIDDING TO CONFIRM WASTE AND VENT LOCATIONS.



COORDINATE WITH G.C. ON THE FUTURE EXPANSION SPACES FOR FUTURE FIXTURE LOCATIONS.

PLUMBING WASTE & VENT PLAN

SCALE: 3/16" = 1'

NORTH

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PLUMBING WASTE & VENT PLAN

DATE: JAN. 13, 2026

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SHEET 6 OF 8

REGISTERED PROFESSIONAL ENGINEER
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#264382
01/20/2026
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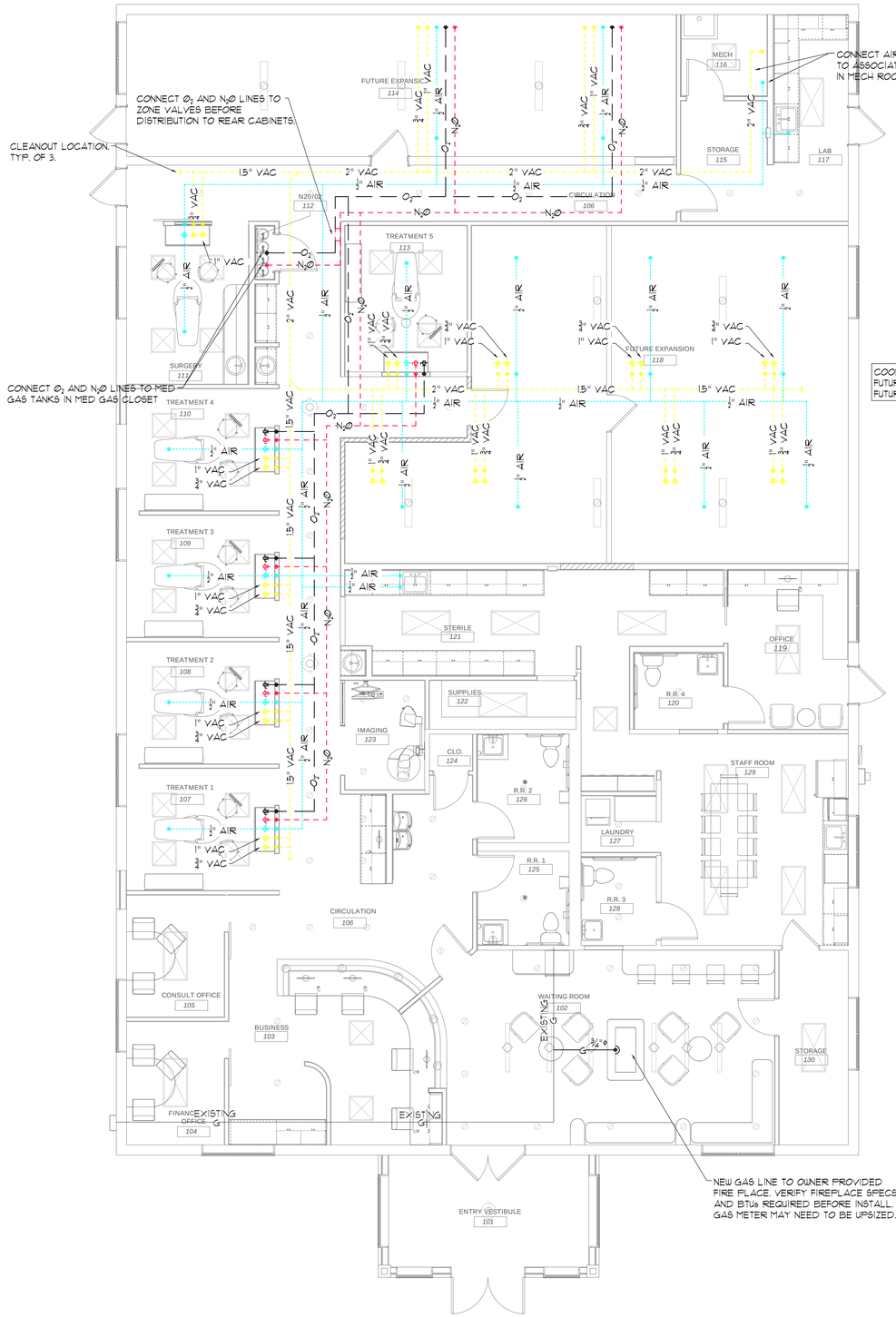

SEE DENTAL EQUIPMENT PLANS FOR ADDITIONAL INFORMATION

AIR — OVERHEAD ½"ø COPPER AIRLINE

VAC — UNDERGROUND SCHEDULE 40 PVC VACUUM LINE

N2Ø — OVERHEAD ⅜" N2O COPPER MEDICAL RATED PIPE INSTALLED BY CERTIFIED PLUMBER BRAISED WITH NITROGEN PURGE.

O2 — OVERHEAD ½" O2 COPPER MEDICAL RATED PIPE INSTALL BY CERTIFIED PLUMBER BRAISED WITH NITROGEN PURGE.

G — ¾"ø GAS LINE

PLUMBING MED GAS, AIR, VAC, AND GAS PLAN

SCALE: 3/16" = 1'

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PLUMBING MED GAS, AIR, VAC, AND GAS LINE PLAN

DATE: JAN. 13, 2026

P-3

SHEET 7 OF 8

REGISTERED PROFESSIONAL ENGINEER
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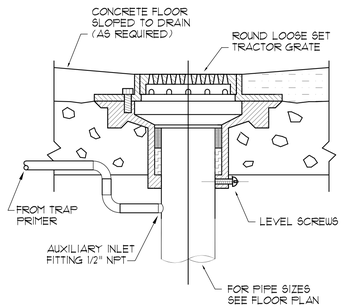
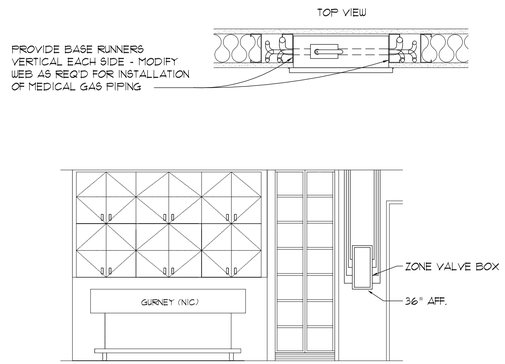
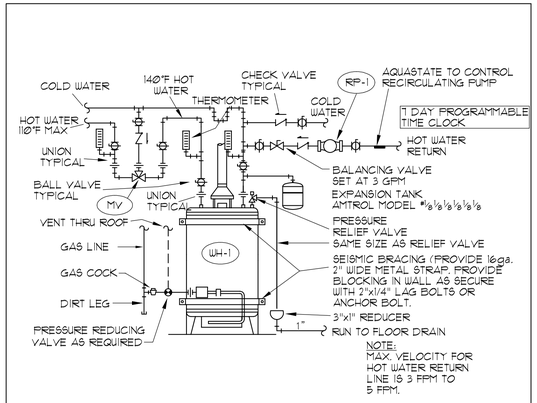
#264382
01/20/2026
STATE OF UTAH



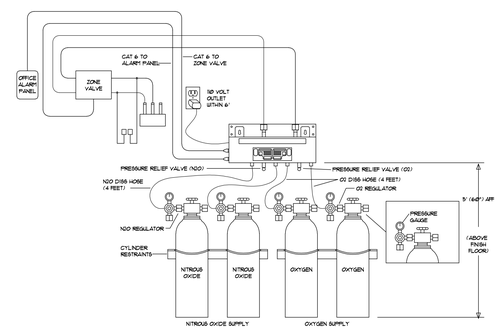
1 | *DETAIL* | SCALE: NONE | FLOOR DRAIN WITH TRAP PRIMER



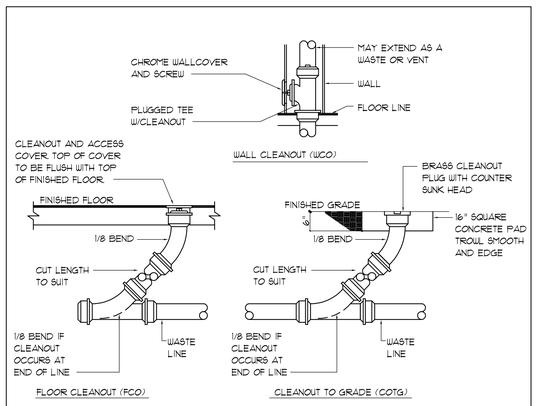
2 | *DETAIL* | SCALE: NONE | VALVE BOX



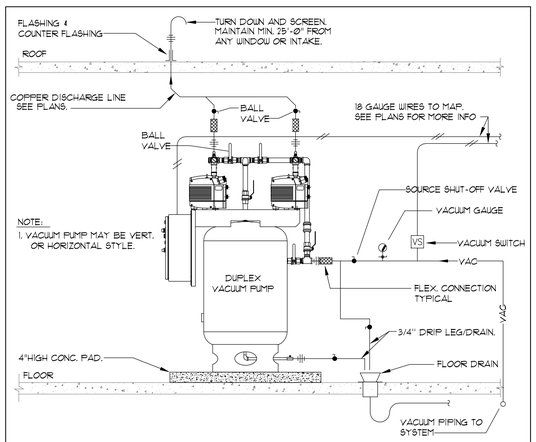
3 | *DETAIL* | SCALE: NONE | WATER HEATER WITH RECIRCULATING PUMP



4 | *DETAIL* | SCALE: NONE | NITROUS OXIDE/OXYGEN TANKS



5 | *DETAIL* | SCALE: NONE | CLEANOUTS

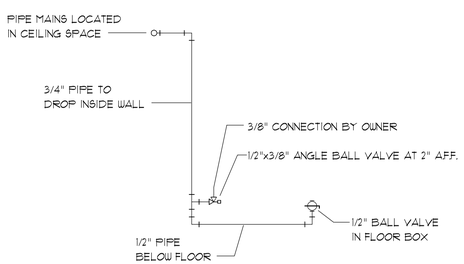


6 | *DETAIL* | SCALE: NONE | DUPLEX VACUUM PUMP

PLUMBING FIXTURE SCHEDULE

FIXTURE	TAG	MAKE / MODEL	TRAP	WASTE	VENT	COLD	HOT	REMARKS
STANDARD TANK TYPE WATER CLOSET	WC-1	KOHLER CO. 'WELLWORTH' K-3575-0	INT	4"	2"	1/2"	--	FLOOR MOUNT TANK TYPE, BOTTOM OUTLET, SPLIT SEAT
WALL HUNG LAVATORY	L-1	KOHLER CO. 'GREENWICH' K-2032	1.25	2"	2"	1/2"	1/2"	WALL HUNG MOUNT HAND LAVATORY WITH ADA COMPLIANT TRIM. MOEN 'ADLER' - 8460.3 TWO HANDLE FAUCET WITH ASSE 1070 MIXING VALVE WITH ACCESS DOOR
FLOOR DRAIN	FD-1	WATTS CO. FD-15-R	2	2"	2"	--	--	STD. WT. BODY, DEEP SEAL TRAP, ADJ. STANDARD DUTY ROUND GRATE, PROVIDE TRAP PRIMER.
SINK	S-1	KOHLER CO. 'VAULT' K-3840-2-NA	1.5	2"	2"	1/2"	1/2"	15" x 15" x 9-5/16" TOP-MOUNT BAR SINK WITH TWO FAUCET HOLES. K-15275-4-CP 'CORALAIS' FAUCET WITH TWO LEVER HANDLES.
ELEC WATER HEATER	WH-1	BRADFORD WHITE ELECTRIFLEX LD LE25553-3	--	--	--	3/4"	3/4"	55 GAL. CAPACITY, ¾" N.P.T. OUTLET, INLET, ANODE ROD, T+P VALVE CONNECTIONS. 208 VOLT AC. 4.5 KW.
RECIRCULATING PUMP	RP-1	GRUNDFOS UP15-29SF	--	--	--	--	3/4"	FLANGE SIZE ¾", 1 SPEED. 120/1/60 - ⅛HP. - 85 WATTS. PROVIDE WITH AQUASTAT FOR AUTOMATIC SHUTOFF PER IECC.
WASHING MACHINE	WM-1		2"	2"	2"	1/2"	1/2"	COORDINATE WITH G.C.
DRINKING FOUNTAIN	DF-1	ELKAY EZH20 EMABF8WSLK	2"	1-1/2"	2"	3/8"	--	DRINKING FOUNTAIN WITH BOTTLE FILLING STATION.

MANUFACTURES SHALL BE AS ABOVE OR EQUAL. P.C. TO VERIFY FIXTURES WITH G.C./OWNER



7 | *DETAIL* | SCALE: NONE | 12 O-CLOCK CABINET

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PLUMB. SCHEDULES & DETAILS

DATE: JAN. 13, 2026

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SHEET 8 OF 8

REGISTERED PROFESSIONAL ENGINEER
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01/20/2026
STATE OF UTAH

ELECTRICAL GENERAL NOTES

GENERAL NOTES:

1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND THE SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS, AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION, OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING THEIR BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIERS SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS INCLUSIVE OF THE ORIGINAL BID. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM ITS PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE PRIOR TO PROJECT CLOSEOUT.
2. THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS ANY ELECTRICAL ITEMS THEY MAY CONTAIN. THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THEM. NO EXTRA COST SHALL BE ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THE PLANS.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS, AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.
4. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST RECENT LOCAL, STATE, AND NATIONAL CODES. IF AT ANY TIME DURING OR AFTER CONSTRUCTION SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THESE CODES LISTED ABOVE, IT SHALL BE CORRECTED BY THE CONTRACTOR.
5. WHERE A RACEWAY ENTERS A BUILDING OR STRUCTURE FROM THE OUTSIDE, IT SHALL BE SEALED AS PER NEC 225.27.
6. ALL ELECTRICAL EQUIPMENT THAT IS LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD OR FACTORY LABELED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS PER NEC 110.16. THE LABEL SHALL ALSO CONTAIN THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE FAULT CURRENT CALCULATIONS WERE PERFORMED AS PER NEC 110.24.
7. EACH DISCONNECTING MEANS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE AND TO IDENTIFY THE CIRCUIT SOURCE THAT SUPPLIES THE DISCONNECTING MEANS PER NEC 110.22.
8. ALL EQUIPMENT PROVIDED BY THE EC SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, AND BE PROPERLY INSTALLED FOR THE CONDITIONS AND SPACE THAT EQUIPMENT IS BEING INSTALLED WITHIN.
9. THE EC SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE EC SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
10. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE ROUTING REQUIRED. THE EC SHALL ROUTE THE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION AND SHALL COORDINATE WITH DUCTWORK, PIPING, EQUIPMENT, BUILDING STRUCTURE, AND OTHER POTENTIAL OBSTRUCTIONS.
11. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL, DEVICE, LUMINAIRE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
12. THE EC SHALL SECURE ALL CONDUIT TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND PRACTICES. TO ASSURE ALL DEVICES ARE RIGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS, HANGERS, ETC. DESIGNED FOR THE APPLICATION.
13. MINIMUM SIZE CONDUIT SHALL BE 3/4" UNO. CONDUIT INSTALLED WITHIN THE BUILDING IN DRY LOCATIONS WITHIN WALL, CEILINGS, OR EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE SHALL BE EMT WITH STEEL SET SCREW FITTINGS. IN EXTERIOR LOCATIONS (EXCEPT FOR THE SERVICE ENTRANCE) THE CONDUIT SHALL BE EMT WITH COMPRESSION GLAND TYPE FITTINGS. UNDERGROUND CONDUIT SHALL BE PVC (SCH. 40) WITH GRC ELBOWS AND RISERS WRAPPED IN CORROSION RESISTANT MATERIALS WHERE IN DIRECT CONTACT WITH THE SOIL.
14. FLEXIBLE CONDUIT SHALL BE LIMITED TO CONNECTIONS TO LIGHT FIXTURES AND FINAL CONNECTIONS TO MOTORS OR OTHER EQUIPMENT SUBJECT TO VIBRATION. LENGTHS OF FLEXIBLE OR SEAL-TITE CONDUIT SHALL NOT BE GREATER THAN 72 INCHES.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EMPTY CONDUITS WITH 200LB RATED NYLON PULL CORD.
16. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.), THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR).
17. WHERE WIRE SIZE IS NOT SHOWN ON THE DRAWINGS FOR 20A, 120VAC BRANCH CIRCUITS, THE CIRCUIT SHALL CONSIST OF 2#12 (CU,THHN) + 1#12 (CU,THHN) GND IN 3/4" EMT CONDUIT. THIS WIRE SIZE SHALL BE INCREASED TO #10 (CU,THHN) FOR BRANCH CIRCUITS WITH OVERALL LENGTHS EXCEEDING 125' TO ACCOMMODATE FOR VOLTAGE DROP. REFER TO EQUIPMENT SCHEDULES, FEEDER SCHEDULES, AND NOTES ON DRAWINGS FOR ALL OTHER BRANCH CIRCUIT AND FEEDER WIRE/CONDUIT SIZING.
18. CONDUCTORS SHALL BE COPPER, 600VAC RATED, TYPE THHN/THWN-2 UNO. CONDUCTORS UP TO #10AWG SHALL BE SOLID AND CONDUCTORS #8AWG OR LARGER SHALL BE STRANDED.
19. METAL CLAD CABLING MAY BE USED BETWEEN DEVICES SUCH AS LIGHTING, RECEPTACLES, SWITCHES, ETC. UNLESS OTHERWISE REQUIRED BY THE NEC. HOME RUNS SHALL BE INSTALLED IN CONDUIT. MC CABLE SHALL NOT BE INSTALLED EXPOSED.
20. EC SHALL CLEAN THE ENTIRE ELECTRICAL SYSTEM AFTER COMPLETION OF THE INSTALLATION. REMOVE ALL FINGER PRINTS, FOREIGN MATTER, PAINT, DIRT, GREASE, AND UN-NEEDED LABELS OR STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED DURING INSTALLATION FROM THE PREMISES.
21. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS FOR ALL DEVICES TO BE FLUSH MOUNTED AND CONDUIT/CABLING INSTALLED CONCEALED WITHIN WALLS/CEILINGS. IN AREAS WHERE CONDUIT MUST BE INSTALLED EXPOSED IT SHALL BE COORDINATED WITH THE ARCHITECT AND/OR ENGINEER. ALL EFFORTS SHALL BE MADE TO CONCEAL WIRING METHODS.
22. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED WITH FIRE STOPPING, IE. 3M BRAND CAULK, PUTTY, STRIP AND SHEET FORMS, DOW CORNING 3-6548 SILICONE RTV FOAM.
23. COORDINATE LOCATION OF WALL MOUNTED DEVICES WITH CABINETRY AND OTHER WALL OBSTRUCTIONS. COORDINATE CEILING MOUNTED DEVICES WITH CEILING OBSTRUCTIONS. ANY DEVICES THAT NEED TO BE RELOCATED MUST BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER PRIOR TO ROUGH-IN FOR NEW LOCATION.
24. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE PLACEMENT OF ALL DEVICES INSTALLED WITHIN THE CEILING SUCH AS LIGHTING, SPEAKERS, FIRE SPRINKLERS, SMOKE/HEAT DETECTORS, ETC. ANY EXISTING DEVICES THAT NEED TO BE RELOCATED IN ORDER TO ACCOMMODATE NEW CONSTRUCTION/REMODEL MUST BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER PRIOR TO ROUGH-IN FOR RESOLUTION AND FURTHER DIRECTION.
25. WHERE THE PREMISES WIRING SYSTEM HAS BRANCH CIRCUITS SUPPLIED FROM MORE THAN ONE NOMINAL VOLTAGE, EACH UNGROUNDED CONDUCTOR OF A BRANCH CIRCUIT SHALL BE IDENTIFIED BY PHASE OR LINE AND BY SYSTEM VOLTAGE CLASS AT ALL TERMINATION, CONNECTION, AND SPLICE POINTS. IDENTIFICATION MEANS SHALL BE POSTED AT EACH BRANCH CIRCUIT PANELBOARD.

ALL CONDUCTORS SHALL BE COLOR-CODED AS FOLLOWS:

PHASE	208/120	480/277
PHASE A	BLACK	BROWN
PHASE B	RED	ORANGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	WHITE
GROUND	GREEN	GREEN

REMODEL NOTES:

26. THE EC SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE EXISTING POWER PANELS FROM WHICH NEW CIRCUITS ARE BEING FED. VERIFY EXISTING BRANCH CIRCUIT BREAKERS AND PROVIDE NEW BRANCH CIRCUIT BREAKERS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
27. THE EC SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE TELECOM ROOM FROM WHICH NEW TELE/DATA OUTLETS WILL BE FED. VERIFY EXISTING PATCH PANEL SPACES AND PROVIDE NEW PATCH PANELS AS NECESSARY TO LAND/TERMINATE NEW TELECOM CABLING.
28. THE EC SHALL MAINTAIN ELECTRICAL CONTINUITY TO REMAINING EQUIPMENT WHEN ANY EXISTING ELECTRICAL EQUIPMENT IS REMOVED.
29. ALL DEVICES NOT SHOWN ON PLANS ARE EXISTING TO REMAIN IN PLACE AND FUNCTIONAL. IN THE EVENT THAT WIRING TO AN EXISTING DEVICE IS DAMAGED, WIRING MUST BE REPLACED AND DEVICE BROUGHT BACK TO FULL OPERATION.

SITE NOTES:

30. ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE POWER COMPANY SERVICE TRANSFORMER BEFORE INSTALLING THE PAD, PRIMARY CONDUIT, AND SECONDARY SERVICE LATERAL. PROVIDE LABOR AND CONDUIT, CONDUCTORS, WIRE WAYS, TRANSFORMER LUGS, METER BASES, METER CONDUIT, CONDUCTORS, CONCRETE PAD/VAULT, ETC. AS NEEDED FOR A COMPLETE ELECTRIC SERVICE TO THIS FACILITY.
31. THE EC SHALL COORDINATE LOCATION OF TELEPHONE PEDESTAL, ROUTING/SIZE OF TELEPHONE SERVICE CONDUIT, AND THE MAIN TELEPHONE SERVICE BOARD REQUIREMENTS WITH THE TELEPHONE COMPANY PRIOR TO ROUGH-IN. INSTALL A 3/4" CONDUIT WITH (1) #6 BARE COPPER CONDUCTOR FROM TELEPHONE TERMINAL BOARD (TTB) TO THE MAIN BUILDING GROUNDING SYSTEM.
32. UNDERGROUND CONDUIT FOR SITE LIGHTING SHALL BE BURIED 24" B.F.G. AND SHALL HAVE ONE (1) #10 THHN GREEN GROUND CONDUCTOR TO GROUND ALL LUMINAIRES.
33. PRIOR TO TRENCHING IN ANY AREA, THE CONTRACTOR SHALL COORDINATE WITH COMMUNICATIONS/DATA, CABLE TV, GAS, AND WATER UTILITY PROVIDERS (BLUE STAKES), AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUBCONTRACTOR SPECIALIZING IN THE LOCATION OF UNDERGROUND STRUCTURES TO IDENTIFY ANY OBSTACLES IN THE PATH OF TRENCHING PRIOR TO COMMENCING WORK. DAMAGE TO ANY UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR.

LIGHTING NOTES:

34. ALL BATTERY POWERED OR CONTINUOUS BURN LUMINAIRES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.
35. LUMINAIRES INSTALLED IN THE MECHANICAL ROOM SHALL BE PLACED SO THAT ALL EQUIPMENT IS ADEQUATELY ILLUMINATED AFTER THE MECHANICAL EQUIPMENT IS IN PLACE.
36. ALL LUMINAIRES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT THE CEILING GRID OR OTHER NONSTRUCTURAL MEMBERS.
37. TO MAINTAIN CONSISTENT LIGHT QUALITY, FOR ANY ONE LAMP TYPE SUPPLIED, LAMPS SHALL BE OF THE SAME MANUFACTURER, SURFACE TEMPERATURE, COLOR RENDERING INDEX, LAMP EFFICACY, LUMEN OUTPUT, AND STARTING CHARACTERISTICS FOR ALL INSTALLED.
38. LIGHT FIXTURES INSTALLED IN DAMP OR WET LOCATIONS SHALL BE UL LISTED FOR INSTALLATION IN THE PROPER ENVIRONMENT. CARE SHOULD BE TAKEN TO ENSURE THAT DIFFUSERS AND LENSES ARE APPROPRIATE FOR THEIR INSTALLED USE AND PREMATURE DISCOLORATION WILL NOT RESULT DUE TO EXPOSURE TO UV LIGHT, CHEMICALS, OR OTHER CONDITIONS.
39. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHTING CONTROL SHOP DRAWINGS WITH ELECTRICAL SUBMITTAL FOR REVIEW.

POWER NOTES:

40. ALL PANELBOARDS AND SWITCHBOARDS SHALL BE PERMANENTLY MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THEIR POWER ORIGINATES AS PER NEC 408.4B.
41. ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.
42. WIRING DEVICES SHALL HAVE A NYLON COVER PLATE. COLOR SHALL BE COORDINATED WITH ARCHITECT. EXTERIOR OUTLETS SHALL HAVE CAST COVERS WITH FLIP TYPE LIDS UNO.
43. EC SHALL COORDINATE WITH EQUIPMENT SUPPLIERS ON THE EXACT LOCATIONS OF ALL EQUIPMENT AND ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN. THE EC SHALL MAKE THE FINAL CONNECTION TO ALL EQUIPMENT UNLESS OTHERWISE DIRECTED BY THE EQUIPMENT SUPPLIER. OBTAIN FROM SUPPLIERS ALL WIRING DIAGRAMS FOR EQUIPMENT PRIOR TO ANY ROUGH-IN. TO ASSURE THAT PROPER CHARACTERISTICS ARE PROVIDED, ANY INCORRECT WIRING OR DEVICES INSTALLED BY THE EC WITHOUT THE WIRING DIAGRAM SHALL BE CORRECTED AT THE EC'S EXPENSE. PROVIDE COPIES OF WIRING DIAGRAMS WITHIN EACH PIECE OF EQUIPMENT AND ADDITIONAL COPIES WITH THE OPERATION AND MAINTENANCE MANUALS.
44. EC SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO PROVIDE CONDUIT AND DEVICE MOUNTING BOXES FOR THERMOSTATS AND OTHER MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR THE LOCATION OF THERMOSTATS.
45. EC SHALL PROVIDE A 20AMP, 120VAC RECEPTACLE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT PER NEC 210.63. RECEPTACLE SHALL BE OF THE GROUND FAULT CIRCUIT INTERRUPTING TYPE, INSTALLED WITHIN A CAST METAL BOX, AND WITHIN 25' OF ALL REQUIRED EQUIPMENT.

DATA/TELECOM NOTES:

46. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN ONLY FOR THE TELECOM/CAT6 SYSTEMS. THIS SHALL CONSIST OF A FOUR SQUARE DEVICE MOUNTING BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE OR TO THE CEILING SPACE ABOVE IF OPEN. CABLING, JACKS, FACEPLATES, TESTING AND TERMINATIONS SHALL BE PROVIDED AND INSTALLED BY OTHERS.

ROOF NOTES:

47. ELECTRICAL CONTRACTOR TO INSTALL A ROOF JACK (BOOT) FOR ALL CONDUIT PENETRATIONS THROUGH THE ROOF. ALL ROOF PENETRATION SEALS SHALL BE IN ACCORDANCE WITH THE ROOF WARRANTY AND BE COMPLETELY SEALED WITH ROOF ADHESIVE. UTILIZE PROPER CLAMPING METHODS TO SEAL BOOT AROUND CONDUIT.

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	NOTES
	LIGHT FIXTURE - SURFACE OR RECESSED	SEE DRAWINGS	1
	EMERGENCY LIGHT FIXTURE - SURFACE OR RECESSED	SEE DRAWINGS	1, 2
	LIGHT FIXTURE - OPEN STRIP	SEE DRAWINGS	1
	EMERGENCY LIGHT FIXTURE - OPEN STRIP	SEE DRAWINGS	1, 2
	LIGHT FIXTURE - WALL MOUNTED	WALL	1
	EMERGENCY LIGHT FIXTURE - WALL MOUNTED	WALL	1, 2
	LIGHT FIXTURE - DOWNLIGHT	CEILING	1
	EMERGENCY LIGHT FIXTURE - DOWNLIGHT	CEILING	1, 2
	LIGHT FIXTURE - WALL WASH DOWNLIGHT	CEILING	1
	LIGHT FIXTURE - CEILING MOUNTED	CEILING	1
	LIGHT FIXTURE - PENDANT / CHANDELIER	CEILING	1
	LIGHT FIXTURE - WALL BRACKET	WALL	1
	EMERGENCY LIGHT FIXTURE - WALL BRACKET	WALL	1, 2
	TRACK LIGHTING	SURFACE	1
	EXIT SIGN - WALL MOUNT	WALL	1, 2, 3
	EXIT SIGN - CEILING MOUNT	CEILING	1, 2, 3
	EXIT SIGN W/ EMERGENCY HEADS - WALL MOUNT	WALL	1, 2, 3
	EXIT SIGN W/ EMERGENCY HEADS - CEILING MOUNT	CEILING	1, 2, 3
EM	DUAL HEAD EMERGENCY LIGHT FIXTURE	WALL	1, 2
	POLE LIGHT FIXTURE	POLE	1
	STEP LIGHT FIXTURE	WALL	1
	LIGHT BOLLARD	SURFACE	1
	GROUND MOUNTED / IN-GRADE LIGHT FIXTURE	GROUND	1
	OCCUPANCY / VACANCY SENSOR - CEILING MOUNT	CEILING	1
TC	TIME CLOCK - 7 DAY	60"	
PC	PHOTO-ELECTRIC CELL WITH RELAY	SURFACE	1
CL	CURRENT LIMITING DEVICE	SURFACE	1
$OS	WALL OCCUPANCY / VACANCY SENSOR SWITCH	48" TO TOP	
$	SINGLE POLE SWITCH	48" TO TOP	
$3	THREE WAY SWITCH	48" TO TOP	
$4	FOUR WAY SWITCH	48" TO TOP	
$D	DIMMER SWITCH	48" TO TOP	
$LV	LOW VOLTAGE SWITCH	48" TO TOP	
$T	TIMER SWITCH - 30 MINUTE	48" TO TOP	
$P	PILOT LIGHT SWITCH	48" TO TOP	
$TH	THERMAL OVERLOAD SWITCH	48" TO TOP	
$2	2-POLE SWITCH	48" TO TOP	
$K	SINGLE POLE KEYED SWITCH	48" TO TOP	
	DUPLEX OUTLET, 20A, 120VAC	18" UNO	
	DUPLEX OUTLET, 20A, 120VAC - GFCI	18" UNO	
	DUPLEX OUTLET - SPLIT WIRED	18" UNO	
	DUPLEX OUTLET - ISOLATED GROUND	18" UNO	
	DUPLEX OUTLET WITH USB-A & USB-C PORTS	18" UNO	
OS	DUPLEX OUTLET - OCCUPANCY SENSOR CONTROLLED	18" UNO	
	DUPLEX OUTLET, 20A, 120VAC - CEILING	CEILING	
	DUPLEX OUTLET, 20A, 120VAC - FLOOR	FLOOR	
	FOURPLEX OUTLET, 20A, 120VAC	18" UNO	
	FOURPLEX OUTLET, 20A, 120VAC - GFCI	18" UNO	
	FOURPLEX OUTLET - ISOLATED GROUND	18" UNO	
	FOURPLEX OUTLET, 20A, 120VAC - CEILING	CEILING	
	FOURPLEX OUTLET, 20A, 120VAC - FLOOR	FLOOR	
	APPLIANCE OUTLET - 208/240V SINGLE PHASE	18" UNO	
	APPLIANCE OUTLET - 208/480V 3-PHASE	18" UNO	
	SINGLE/SIMPLEX OUTLET, 20A, 120VAC	18" UNO	
	MULTI-OUTLET METAL SURFACE RACEWAY	44" UNO	5
	DATA OUTLET	18" UNO	
	TELEPHONE OUTLET	18" UNO	
	DUAL TELEPHONE/DATA OUTLET	18" UNO	
	DATA OUTLET - FLOOR	FLOOR	
	DUAL TELEPHONE/DATA OUTLET - FLOOR	FLOOR	
	CEILING DATA OUTLET/ WIRELESS ACCESS POINT	CEILING	
	CABLE TELEVISION OUTLET	18" UNO	

	JUNCTION BOX	SURFACE	
	WALL JUNCTION BOX	18" UNO	
	FLOOR JUNCTION BOX	FLOOR	
	DISCONNECT SWITCH - NON-FUSED	60" UNO	4
F	DISCONNECT SWITCH - FUSED	60" UNO	4
	DISCONNECT SWITCH - SHUNT TRIP	60" UNO	4
	COMBINATION MAGNETIC STARTER / DISCONNECT	60" UNO	
	MOTOR STARTER	60" UNO	
	CONTACTOR	60" UNO	
	MOTOR	SURFACE	
	METER - PLAN VIEW	WALL	
	PUSH BUTTON SWITCH	48" TO TOP	
	EMERGENCY POWER SHUTOFF SWITCH	48" TO TOP	
	PANELBOARD - SURFACE MOUNTED	78" TO TOP	
	PANELBOARD - RECESSED	78" TO TOP	
	TRANSFORMER - PLAN VIEW	PAD/FLOOR	
	TELEPHONE TERMINAL BOARD	WALL	

	CIRCUIT BREAKER	M	METER - ONE-LINE
	MLO PANEL - ONE-LINE		TRANSFORMER - ONE-LINE
	MCB PANEL - ONE-LINE		PAD MOUNT XFMR - ONE-LINE
	AUTOMATIC TRANSFER SWITCH		GROUND SLEEVE - ONE-LINE
	CT ENCLOSURE - ONE-LINE	"I" XXXA 60" XXXA	FUSED DISCONNECT - ONE-LINE
	CURRENT TRANSFORMER		FUSED SWITCH
			GROUND
	OH RISER	XXX	CABLE/WIRE SIZE TAG
X	KEYED NOTE TAG	X / EXXX	DETAIL/VIEW NUMBER
XX / X	MECH/ELEC. EQUIPMENT TAG		DETAIL/VIEW REFERENCE TAG
X	OTHER EQUIPMENT TAG		SHEET NUMBER
	WIRING / CONDUIT		UNDERGROUND/FLOOR WIRING
	CONDUIT TURNED UP		CONDUIT TURNED DOWN
	CIRCUIT HOME RUN TO PANEL: # OF ARROWHEADS INDICATE # OF CIRCUITS (SEPARATE NEUTRAL PER CIRCUIT). BOTH EX. INCLUDE AN EQUIP. GROUND.		

NOTES

1. SEE LIGHT FIXTURE SCHEDULE FOR TYPE, MOUNTING, AND OTHER SPECIFICS.
2. CONNECT EMERGENCY AND/OR EXIT LIGHTS TO THE UNSWITCHED SIDE OF THE AREA LIGHTING BRANCH CIRCUIT.
3. ARROW DENOTES EXIT DIRECTION.
4. USE HEAVY DUTY FOR 480 VOLT.
5. PROVIDE RACEWAY WITH OUTLETS 12" ON CENTER UNO.
6. MOUNT SWITCH AT DOOR JAM PER MANUFACTURER'S INSTRUCTIONS.
7. PROVIDE UL LISTED DEVICE TO BE USED WITH THE FIRE ALARM PANEL/SYSTEM OR PROVIDE A MONITOR MODULE TO CONNECT INTO FIRE ALARM SYSTEM.

ABBREVIATIONS

AFCI - ARC FAULT CKT INTERRUPTER
AFF - ABOVE FINISHED FLOOR
AFG - ABOVE FINISHED GRADE
AIC - AMPS INTERRUPTING CAPACITY
AL - ALUMINUM
ATS - AUTOMATIC TRANSFER SWITCH
BC - BARE COPPER
BFC - BELOW FINISHED CEILING
BFG - BELOW FINISHED GRADE
CKT - CIRCUIT
CND, OR C. - CONDUIT
CLG - INSTALLED IN CEILING
C.R. - CORD REEL
CT - CURRENT TRANSDUCER
CU - COPPER
(E) - EXISTING TO REMAIN
EC - ELECTRICAL CONTRACTOR
EM - EMERGENCY
(F) - FUTURE
FACP - FIRE ALARM CONTROL PANEL
FLA - FULL LOAD AMPS
FVNR - FULL VOLTAGE NON REVERSING
GC - GENERAL CONTRACTOR
GFCI - GROUND FAULT CKT INTERRUPTER
GND - GROUND
HP - HORSEPOWER
IG - ISOLATED GROUND
KW - KILOWATTS
LCP - LIGHTING CONTROL PANEL
LTG - LIGHTING
LV - LOW VOLTAGE
MC - MECHANICAL CONTRACTOR
MCA - MINIMUM CIRCUIT AMPS
MCB - MAIN CIRCUIT BREAKER
MCC - MOTOR CONTROL CENTER
MDP - MAIN DISTRIBUTION PANEL
MLO - MAIN LUGS ONLY
MOCP - MAX. OVERCURRENT PROTECTION
(N) - NEW
NIC - NOT IN CONTRACT
NEC - NATIONAL ELECTRICAL CODE
NFPA - NATIONAL FIRE PROT. ASSN.
NL - NIGHT LIGHT
NR - NOT REQUIRED
NTS - NOT TO SCALE
PC - PLUMBING CONTRACTOR
PH - PHASE
PNL - PANEL
POC - POINT OF CONNECTION
POS - POINT OF SALE
(R) - RELOCATED
REC - RECEPTACLES
RMC - RIGID METAL CONDUIT
SCBA - SELECT COLOR BY ARCHITECT
SCA - SHORT CIRCUIT AMPERES
SES - SERVICE ENTRANCE SWITCHGEAR
SPD - SURGE PROTECTIVE DEVICE
TL - TWIST LOCK
TTB - TELEPHONE TERMINAL BOARD
TR - TAMPER RESISTANT
TYP - TYPICAL
UNO - UNLESS NOTED OTHERWISE
VA - VOLT/AMPS
VIF - VERIFY IN FIELD
VR - VANDAL RESISTANT
WP - WEATHERPROOF/NEMA 3R
WU - FURNISHED WITH UNIT
XFMR - TRANSFORMER

SHEET INDEX

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ISSUED:
DECEMBER 18, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

STAMP

REGISTERED PROFESSIONAL ENGINEER
No. 7945859-2202
DAVID W. STEWARD
01/23/2026
STATE OF UTAH

PROJECT NUMBER:
25082

ELECTRICAL GENERAL SHEET

E000

1 E101 LIGHTING PLAN

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

KEYED NOTES

1. PROVIDE A WALL MOUNT DUAL TECH TWO POLE OCC. SENSOR FOR RESTROOM LIGHT AND FAN CONTROL. (SENSOR SWITCH #WSX PDT 2P OR EQUIVALENT).
2. PROVIDE INTERMATIC ET2845C 4-CIRCUIT OR EQUIVALENT TIME CLOCK FOR LIGHTING CONTROLS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
3. EC TO RE-USE EXISTING LOCATION FOR NEW EXTERIOR WALL SCONCES. CONTROL THROUGH TIMECLOCK.
4. PROVIDE LOW-VOLTAGE FOUR-ZONE DIMMING CONTROLS FOR RECEPTION AND LOBBY CONTROLS.

GENERAL NOTES

A. CONNECT ALL EMERGENCY AND EXIT LIGHT FIXTURES TO THE UNSWITCHED SIDE OF THE LIGHTING BRANCH CIRCUIT. LIGHT FIXTURES WITH EMERGENCY DRIVERS SHALL BE NORMALLY SWITCHED WITH THE AREA LIGHTING, BUT HAVE THEIR EMERGENCY DRIVERS CONNECTED AHEAD OF THE LIGHT SWITCH OR LIGHTING CONTROL PANEL RELAY. FIXTURES WILL REMAIN ON FOR NOT LESS THAN 90 MINUTES IN CASE OF POWER LOSS.

B. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS THAT CONDUIT IS TO BE INSTALLED WITHIN WALLS AND ABOVE CEILINGS CONCEALED WHERE POSSIBLE.

C. COORDINATE MOUNTING HEIGHTS OF ALL PENDANT AND WALL MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS.

D. PROVIDE FIXTURE DIMMING CONTROLS AND PROVIDE THE NECESSARY WIRING AND DEVICES REQUIRED FOR DIMMING OPERATION.

E. CONCEAL ALL FIXTURE DRIVERS IN ACCESSIBLE CEILING SPACE OUT OF DIRECT VIEW.

LTG CTRL SEQUENCE OF OPERATION

LIGHTING AND CONTROLS ARE DESIGNED TO MEET IECC 2021.

TIME CLOCK WILL BE PROGRAMMED TO TURN LIGHTS ON AND OFF FOR HOURS OF OPERATION.

LOW VOLTAGE SWITCHES WILL ACT AS OVERRIDES TO TIME SCHEDULING.

OCCUPANCY SENSORS WILL CONTROL LIGHTING IN RESTROOMS, AND UTILITY ROOMS.

OCCUPANCY SENSORS WILL CONTROL LIGHTING IN CORRIDORS. CONTROLS IN CORRIDORS SHALL UNIFORMLY REDUCE LIGHTING POWER TO NOT MORE THAN 50 PERCENT OF FULL POWER WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE. (C405.2.1.4)

OCCUPANCY SENSORS IN OPEN OFFICES WILL CONTROL AREAS NOT GREATER THAN 600 SQUARE FEET AND TURN OFF WITHIN 20 MINUTES AFTER OCCUPANTS HAVE LEFT THE SPACE. (C405.2.1.3)

CEILING MOUNTED OCC. SENSORS WILL BE PROVIDED IN PRIVATE OFFICES AND BREAK ROOMS. LOW VOLTAGE DIMMABLE WALL CONTROLS SHALL BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN ON TO NOT MORE THAN 50-PERCENT (C405.2.1).

DAYLIGHT ZONES ARE EXEMPT FROM AUTOMATIC CONTROL REQUIREMENTS PER IECC 2021 405.2.4 EXEMPTIONS - 1 (HEALTH CARE FACILITIES WHERE PATIENT CARE IS DIRECTLY PROVIDED).

AUTOMATIC LIGHTING CONTROLS FOR PATIENT CARE ROOMS ARE NOT REQUIRED PER C405.2.2 - EXCEPTION 3 (SPACES WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY). MANUAL DIMMER SWITCHES PROVIDED.

EXTERIOR LIGHTING SHALL BE PROGRAMMED TO TURN ON AT 6 A.M. AND OFF AT MIDNIGHT. PHOTOCELL WILL AUTOMATICALLY TURN LIGHTS OFF WHEN DAYLIGHTING IS PRESENT AND SATISFIES LIGHTING NEEDS (C405.2.7.1 - C405.2.7.4).

BUILDING FACADE AND LANDSCAPE LIGHTING SHALL BE PROGRAMMED TO SHUT OFF NOT LATER THAN 1 HOUR AFTER BUSINESS CLOSING TO NOT EARLIER THAN 1 HOUR BEFORE BUSINESS OPENS (C405.2.7.2).

ALL EXTERIOR LIGHTING NOT SERVING OUTDOOR PARKING AREAS TO BE CONTROLLED SO THAT THE TOTAL WATTAGE OF SUCH LIGHTING IS REDUCED BY NOT LESS THAN 50% (1 OUT OF 3 BELOW):

A. FROM NOT LATER THAN MIDNIGHT TO NOT EARLIER THAN 6 A.M. PER IECC 2021 C405.2.7.3 (1.1).

B. FROM NOT LATER THAN ONE HOUR AFTER BUSINESS CLOSING TO NOT EARLIER THAN ONE HOUR BEFORE BUSINESS OPENING PER IECC 2021 C405.2.7.3 (1.2).

C. DURING ANY TIME WHERE ACTIVITY HAS NOT BEEN DETECTED FOR 15 MINUTES OR LONGER PER IECC 2021 C405.2.7.3 (1.3).

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PROJECT NUMBER:
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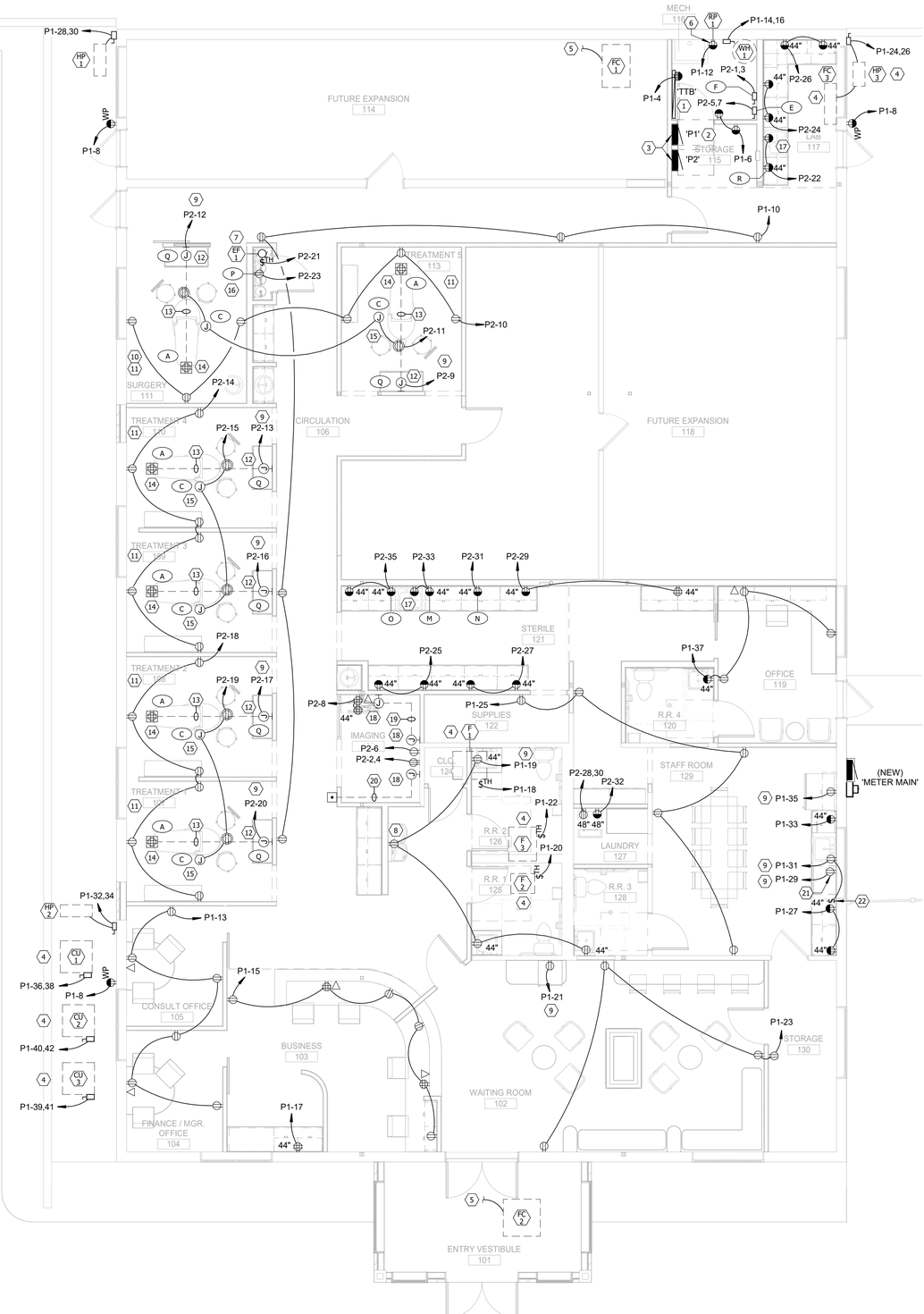
LIGHTING PLAN

E101

JZW ARCHITECTS



1 E201 POWER PLAN

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

KEYED NOTES

1. FIELD VERIFY EXACT LOCATION OF EXISTING TELECOM HEAD END AND RELOCATE TO LOCATION SHOWN. EXTEND, REPAIR AND REPLACE EXISTING CONDUITS AND CIRCUITRY AS NECESSARY.
2. FIELD VERIFY EXACT LOCATION OF EXISTING PANEL AND RELOCATE TO LOCATION SHOWN. EXTEND, REPAIR AND REPLACE CONDUITS AND CIRCUITRY AS NECESSARY.
3. ANY EXISTING TO REMAIN ELECTRICAL ITEMS NOT SHOWN ON THESE PLANS SHALL BE RECONNECTED TO THE RELOCATED PANEL. EXTEND AND REPLACE CONDUITS AND CIRCUITRY AS NECESSARY. CONTACT ELECTRICAL ENGINEER FOR RESOLUTION TO CONFLICTS OR DISCREPANCIES WITH EXISTING TO REMAIN LOADS.
4. EXISTING TO REMAIN MECHANICAL EQUIPMENT. RECONNECT TO RELOCATED PANEL. EXTEND, REPAIR AND REPLACE CONDUITS AND CIRCUITRY AS NECESSARY.
5. FAN COIL UNIT POWERED BY CORRESPONDING HEAT PUMP.
6. DUPLEX RECEPTACLE TO SERVE BOTH THE RECIRCULATING PUMP AND DENTAL MASTER WATER SHUT-OFF/BYPASS VALVE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
7. EXHAUST FAN TO BE WIRED TO RUN CONTINUOUSLY.
8. COORDINATE MOUNTING HEIGHT AND LOCATION OF DRINKING FOUNTAIN RECEPTACLE WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
9. PROVIDE A GFCI BREAKER FOR CIRCUIT.
10. PROVIDE HOSPITAL GRADE 120V, 20A RECEPTACLES IN THIS ROOM.
11. PRE NEC 512.13 ALL PATIENT CARE AREAS SHALL BE PROVIDED WITH REDUNDANT GROUNDING. EC SHALL ALSO PROVIDE HOSPITAL GRADE MC CABLE BETWEEN DEVICES IN THESE SPACES.
12. POWER FOR PRE-WIRED DENTAL UTILITY CABINET. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER'S RECOMMENDATIONS.
13. PROVIDE (1) 1" CONDUIT FOR POWER AND (1) 2" CONDUIT FOR NON-POWER UTILITIES BETWEEN DENTAL UTILITY CABINET AND IN-FLOOR DENTAL UTILITY BOX.
14. PROVIDE A QUAD RECEPTACLE WITHIN IN-FLOOR DENTAL UTILITY BOX. COORDINATE EXACT LOCATION WITH DENTAL EQUIPMENT INSTALLER.
15. 120V POWER FEED FOR OVERHEAD DENTAL LIGHT. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH DENTAL EQUIPMENT INSTALLER.
16. VERIFY EXACT MOUNTING LOCATION OF MED-GAS MANIFOLD POWER RECEPTACLE WITH DENTAL EQUIPMENT INSTALLER.
17. COORDINATE EXACT LOCATION OF DENTAL EQUIPMENT SINK POWER RECEPTACLE WITH DENTAL EQUIPMENT INSTALLER AND PLUMBING CONTRACTOR.
18. PROVIDE A UNPOPULATED SINGLE GANG JUNCTION BOX WITH BRUSH STYLE PASS-THROUGH COVER PLATE FOR LOW-VOLTAGE IMAGING EQUIPMENT CONNECTIONS. COORDINATE EXACT LOCATION WITH DENTAL EQUIPMENT INSTALLER.
19. PROVIDE (1) 1" CONDUIT FOR DATA FROM IMAGING COMPUTER LOCATION TO IMAGING EQUIPMENT.
20. PROVIDE (1) 1" CONDUIT FROM REMOTE EXPOSURE BUTTON TO DENTAL IMAGING EQUIPMENT LOCATION.
21. COORDINATE EXACT LOCATION OF DISHWASHER AND DISPOSAL POWER RECEPTACLES WITH PLUMBING CONTRACTOR AND MILLWORK INSTALLER.
22. COORDINATE EXACT MOUNTING HEIGHT, LOCATION AND TYPE OF DISPOSAL SWITCH WITH ARCHITECT AND MILLWORK INSTALLER.

GENERAL NOTES

A. COORDINATE MOUNTING HEIGHTS OF ALL EQUIPMENT WITH ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
B. VERIFY AND COORDINATE EXACT ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF EQUIPMENT.
C. EC SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO PROVIDE CONDUIT AND DEVICE MOUNTING BOXES FOR THERMOSTATS AND OTHER MECHANICAL CONTROLS. REFER TO MECHANICAL DRAWINGS FOR THE LOCATION OF MECHANICAL CONTROLS.
D. OUTLETS REQUIRING GFCI PROTECTION THAT ARE LOCATED BEHIND LARGE OR STATIONARY EQUIPMENT SHALL BE PROTECTED WITH A GFCI BREAKER. SEE PANEL SCHEDULES.
E. ALL RECEPTACLES LOCATED IN AREAS ACCESSIBLE TO THE GENERAL PUBLIC AS SPECIFIED BY NEC 406.12 SHALL BE TAMPER-RESISTANT UNLESS NOTED OTHERWISE.
F. ELECTRICAL ITEMS SHOWN WITH LIGHTER SATURATION AND/OR MARKED WITH AN (E) ARE EXISTING TO REMAIN.

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DR. BAILEY DENTAL
12257 S 800 E
DRAPER, UT 84020

ISSUED:
DECEMBER 18, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

STAMP

REGISTERED PROFESSIONAL ENGINEER
No. 7945859-2202
DAVID W. STEWARD
01/23/2026
STATE OF UTAH

PROJECT NUMBER:
25082

POWER PLAN

E201

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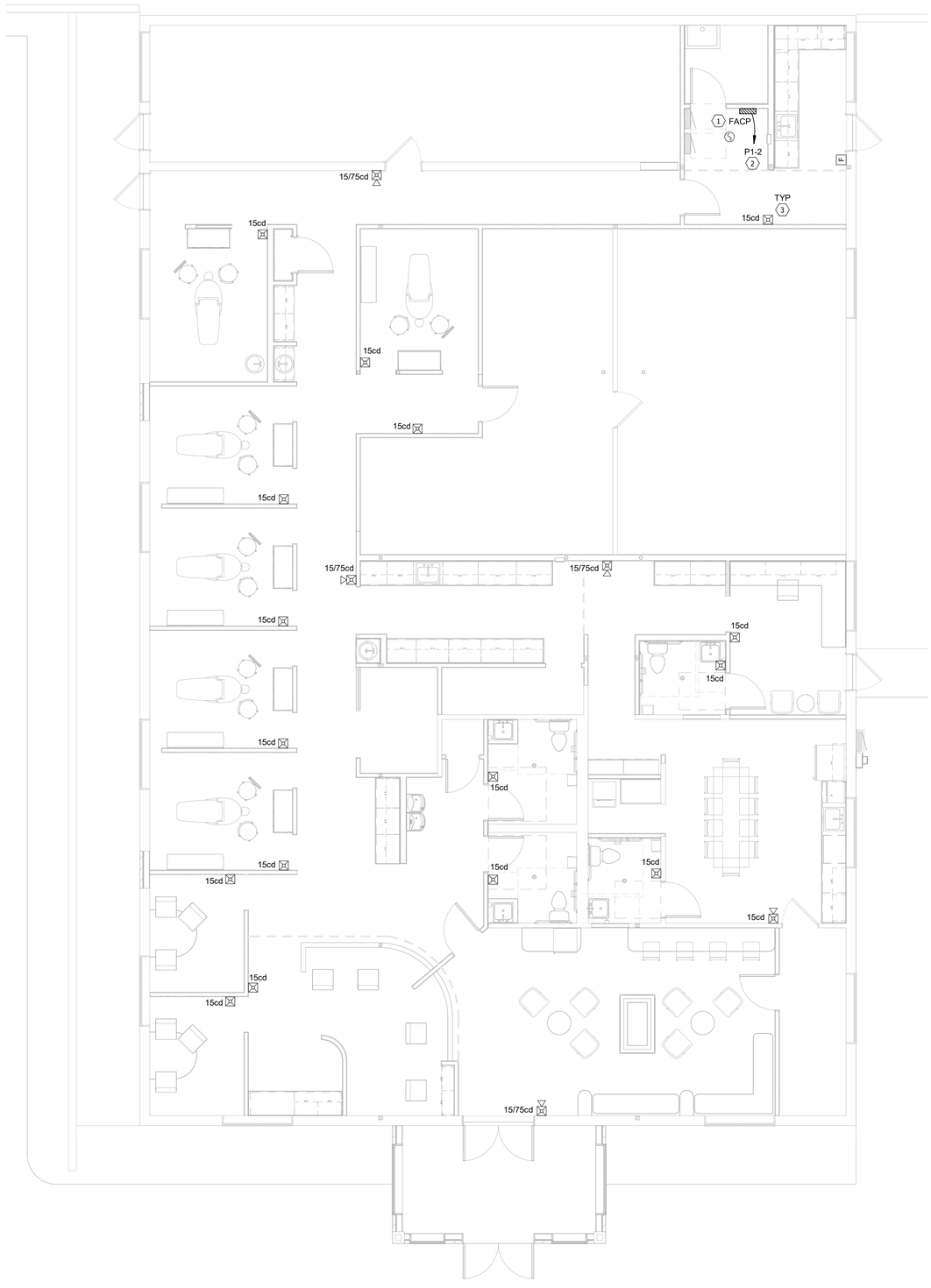

1 / E301 FIRE ALARM PLAN

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

KEYED NOTES

1. RELOCATE THE EXISTING FIRE ALARM CONTROL PANEL TO NEW LOCATION SHOWN. ANY EXISTING TO REMAIN FIRE ALARM DEVICES NOT SHOWN ON THESE PLANS SHALL BE RECONNECTED TO THE FIRE ALARM SYSTEM. EXTEND, REPAIR OR REPLACE CONDUIT AND CIRCUITRY AS NECESSARY.
2. BREAKER(S) FEEDING FIRE ALARM SYSTEMS SHALL HAVE RED IDENTIFICATION MARKING CLEARLY STATING "FIRE ALARM CIRCUIT" AND SHALL BE PROVIDED WITH A HAND LOCK TO SECURE THE HANDLE IN THE "ON" POSITION AS PER NEC 760.121(B)
3. ALL NEW FIRE ALARM DEVICES PROVIDED SHALL MATCH THE MANUFACTURER OF EXISTING FIRE ALARM SYSTEM.

GENERAL NOTES

A. EC SHALL PROVIDE A DEFERRED SUBMITTAL WITH FIRE ALARM SHOP DRAWINGS TO THE ELECTRICAL ENGINEER FOR FINAL APPROVAL.
B. WALL MOUNTED HORN/STROBES TO BE MOUNTED NO LOWER THAN 80" AFF TO BOTTOM OF FIXTURE AND NO HIGHER THAN 96" TO TOP OF FIXTURE. SEE FIRE ALARM RISER DIAGRAM FOR MORE INFORMATION.

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FIRE ALARM PLAN

E301

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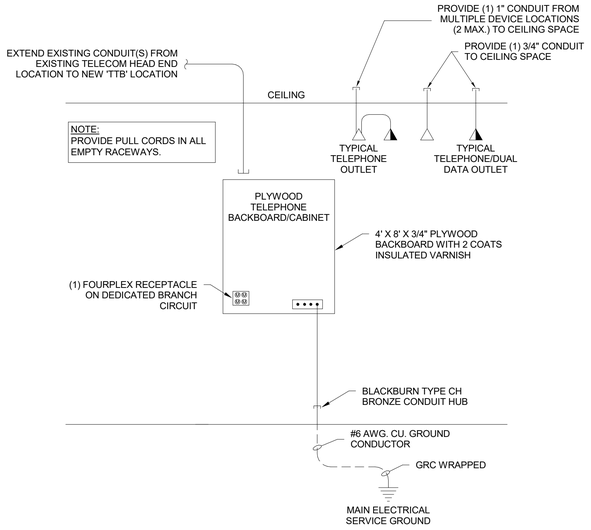
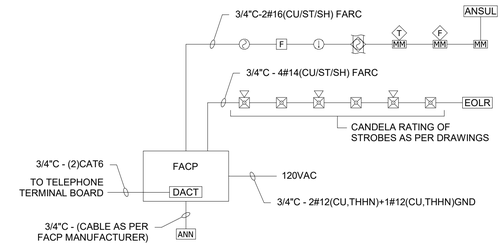


4 E501 TELECOM RISER DIAGRAM

SCALE: NO SCALE

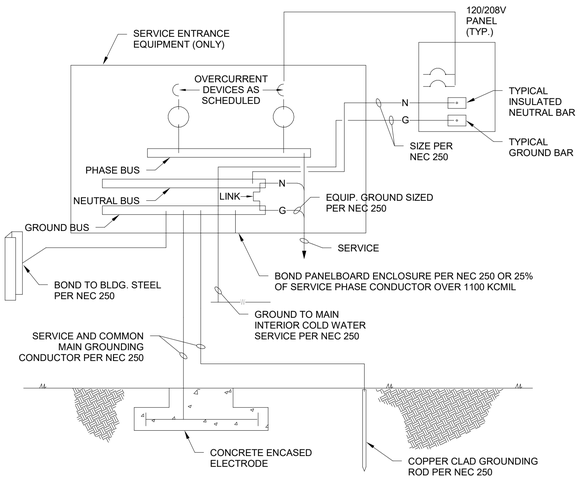


NOTES:

1. NOT ALL DEVICES SHOWN IN THIS RISER MAY BE REQUIRED ON THIS PROJECT AND NOT ALL DEVICES REQUIRED BY THIS PROJECT MAY BE SHOWN ON THIS RISER. HOWEVER, ALL REQUIRED DEVICES SHALL BE PROVIDED BY THE CONTRACTOR NECESSARY FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM AS REQUIRED BY THE APPLICABLE CODES AND THE AUTHORITY HAVING JURISDICTION. WHEN QUESTIONS ARISE, CONTACT THE ENGINEER FOR FURTHER CLARIFICATION.
2. SLC CIRCUIT IS TO BE CLASS B STYLE 4.5, NAC CIRCUIT TO BE CLASS B STYLE Y. T-TAPPING OF SLC IS NOT ACCEPTABLE.
3. FIRE ALARM CONTROL PANEL AND ALL REMOTE FIRE ALARM POWER SUPPLIES ARE TO BE ON A DEDICATED, 20A, 1P LOCKING TYPE. CIRCUIT BREAKER LABELED "FIRE ALARM CIRCUIT" WITH RED MARKING PER NFPA-72: 4.4.1.4.2.2.
4. RISER DIAGRAM IS FOR DIAGRAMMATIC PURPOSES ONLY. ELECTRICAL CONTRACTOR TO VERIFY EXACT NUMBER OF DEVICES IN PROJECT FROM DRAWINGS, NOT FROM THE RISER DIAGRAM.
5. THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL PANEL AND POWER SUPPLIES.
6. PROVIDE A SMOKE OR HEAT DETECTOR ABOVE AND WITH IN 5' OF FIRE ALARM CONTROL PANEL AND EVERY REMOTE FIRE ALARM POWER SUPPLY PER NFPA-72: 4.4.5.
7. THE LOCATION AND NUMBER OF REQUIRED POWER SUPPLIES SHALL BE AS PER THE MANUFACTURER OF THE FIRE ALARM EQUIPMENT. FIRE ALARM SUB-CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR TO ENSURE THAT NECESSARY CONDUIT AND WIRE (NOT NECESSARILY SHOWN ON THE DRAWINGS) ARE PROVIDED TO ALL REQUIRED AUXILIARY POWER SUPPLIES.

3 E501 FIRE ALARM RISER DIAGRAM

SCALE: NO SCALE



NOTE:
CONTRACTOR TO BOND ALL METAL PIPING SYSTEMS WITHIN THE BUILDING. CONTRACTOR TO PROVIDE GROUND BUSHINGS ON ALL CONDUITS CONNECTED TO PANELBOARDS, TRANSFORMERS, ETC.

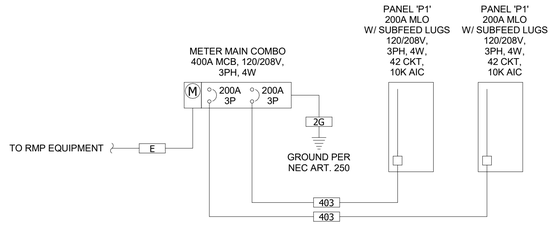
2 E501 GROUNDING/BONDING DETAIL - 208V

SCALE: NO SCALE

CONDUIT/CONDUCTOR SCHEDULE

MARK	AMPS	CONDUIT	CU/AL	CONDUCTORS (TOTAL)			NOTES
				PHASE	NEUTRAL	GROUND	
403	200	2-1/2"	CU	(3) 3/0	3/0	6	1
2G	-	-	CU	-	-	2	2
E	-	4"	-	-	-	-	3

NOTES:
1. CONDUCTOR INSULATIONS TO BE RATED THWN-2/THHN 90°C.
2. GROUNDING ELECTRODE CONDUCTOR TO BE BONDED TO ALL AVAILABLE GROUNDING ELECTRODES.
3. CONDUIT FROM ROCKY MOUNTAIN POWER EQUIPMENT IS EXISTING. EC SHALL INSPECT THE EXISTING CONDUIT STUB TO ENSURE THAT IT IS FREE OF DAMAGE AND EXTEND, REPAIR OR REPLACE EXISTING CONDUIT AS NECESSARY TO ACCOMMODATE NEW METERING GEAR.



1 E501 ONE-LINE DIAGRAM

SCALE: NO SCALE

FAULT CURRENT CALCULATIONS			
208 Volt			
Panel	METER MAIN	P1	P2
Feed From	UTILITY	METER MAIN	METER MAIN
Available Fault Current	13027	6007	6007
(L) Length to panel	300	75	70
Conduit Type (P,S)	P	S	S
Conductor Size	3\0	3\0	3\0
Conductor Type (c,a)	C	C	C
No of Runs	2	1	1
C - from chart	13923	12843	12843
Voltage	208	208	208
f	1.168657907	0.292100767	0.272627382
m	0.461114681	0.773933447	0.785775958
I s.c. at Panel	6007	4649	4720

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REED ST. CLAIR PROFESSIONAL ENGINEER
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DAVID W. STEWARD
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STATE OF UTAH

PROJECT NUMBER:
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ELECTRICAL DETAILS

E501

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JZW ARCHITECTS

DENTAL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	ELECTRICAL											STARTER	OVERCURRENT PROTECTION		
		V	PH	KW	HP	MCA	FLA	MOCP	CONDUIT SIZE	WIRE QTY.	WIRE SIZE	GND. SIZE	NEMA SIZE	DISCONNECT SIZE/POLE	FUSE SIZE	REMARKS
A	DENTAL CHAIR	120	1				12	20	3/4"	2	12	12	-	-	-	12A
C	DENTAL LIGHT	120	1				2	20	3/4"	2	12	12	-	-	-	13A
E	DENTAL AIR COMPRESSOR	208	1				13.1	30	3/4"	2	10	10	-	30/2	-	2A
F	DENTAL DRY VACUUM SYSTEM	208	1				16.5	30	3/4"	2	10	10	-	30/2	-	2A
L	XRAY MACHINE 208V FEED	208	1				15	20	3/4"	2	12	12	-	-	-	12A
	XRAY MACHINE 120V FEED	120	1				10	20	3/4"	2	12	12	-	-	-	12A
M	HANDPIECE MAINTENANCE SYS.	120	1				5	20	3/4"	2	12	12	-	-	-	12A
N	STERILIZER	120	1				12	20	3/4"	2	12	12	-	-	-	12A
O	ULTRASONIC CLEANER	120	1				6	20	3/4"	2	12	12	-	-	-	12A
P	NO2/O2 MANIFOLD	120	1				2	20	3/4"	2	12	12	-	-	-	12A
Q	DENTAL CABINET	120	1				5	20	3/4"	2	12	12	-	-	-	13A
R	MODEL TRIMMER	120	1				5	20	3/4"	2	12	12	-	-	-	12A

NOTE: COORDINATE FINAL EQUIPMENT CONNECTIONS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. VERIFY ALL MOUNTING HEIGHTS.

REMARKS:

1. FUSED DISCONNECT SWITCH	10. REDUCED VOLTAGE STARTER	13. DIRECT CONNECTION
2. NON-FUSED DISCONNECT SWITCH	11. VARIABLE FREQUENCY DRIVE	14. DUCT DETECTOR IN RETURN DUCT
3. BREAKER IN ENCLOSURE	12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.	15. SWITCH WITH LIGHTS
4. THERMAL OVERLOAD SWITCH		
5. TOGGLE SWITCH	A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26	
6. MAGNETIC STARTER	B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIVISION 26	
7. MAGNETIC STARTER/NON-FUSED DISCONNECT SWITCH	C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26	
8. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION	D. FURNISHED, INSTALLED, AND CONNECTED UNDER ANOTHER DIVISION	
9. MAGNETIC STARTER/BREAKER COMBINATION	E. FURNISHED AND INSTALLED UNDER DIVISION 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION	

MECHANICAL/PLUMBING EQUIPMENT SCHEDULE

MARK	DESCRIPTION	ELECTRICAL											STARTER	OVERCURRENT PROTECTION		
		V	PH	KW	HP	MCA	FLA	MOCP	CONDUIT SIZE	WIRE QTY.	WIRE SIZE	GND. SIZE	NEMA SIZE	DISCONNECT SIZE/POLE	FUSE SIZE	REMARKS
CU-1	(E) CONDENSING UNIT (5 TON)	208	1			35		60	1"	2	6	10	-	60/2	-	2B
CU-2	(E) CONDENSING UNIT (5 TON)	208	1			34.3		60	1"	2	6	10	-	60/2	-	2B
CU-3	(E) CONDENSING UNIT (5 TON)	208	1			32.6		50	1"	2	6	10	-	60/2	-	2B
EF-1	CEILING EXHAUST FAN	120	1	132W			1.1		3/4"	2	12	12	-	-	-	4A
EF-2	INLINE EXHAUST FAN	208	1	330W			1.59		3/4"	2	12	12	-	-	-	4A
EF-3	CEILING EXHAUST FAN	120	1	43W			0.36		3/4"	2	12	12	-	-	-	15A
F-1	(EXISTING) FURNACE	120	1		1		16	20	3/4"	2	12	12	-	-	-	4B
F-2	(EXISTING) FURNACE	120	1		1		16	20	3/4"	2	12	12	-	-	-	4B
F-3	(EXISTING) FURNACE	120	1		1		16	20	3/4"	2	12	12	-	-	-	4B
FC-1	FAN COIL UNIT	208	1			*		-	3/4"	2	12	12	-	-	-	16A
FC-2	CEILING CASSETE FAN COIL	208	1			*		-	3/4"	2	12	12	-	-	-	16A
FC-3	(EXISTING) FAN COIL UNIT	208	1			*		-	3/4"	2	12	12	-	-	-	16B
HP-1	HEAT PUMP	208	1			22		35	1"	2	10	10	-	60/2	-	2A
HP-2	HEAT PUMP	208	1			11		25	3/4"	2	10	10	-	30/2	-	2A
HP-3	(EXISTING) HEAT PUMP	208	1			12		25	3/4"	2	10	10	-	30/2	-	2B
RP-1	RECIRCULATING PUMP	120	1		1/25		0.71	20	3/4"	2	12	12	-	-	-	12A
WH-1	ELECTRIC WATER HEATER	208	1	4.5			21.63	30	3/4"	2	10	10	-	30/2	-	2A

NOTE: COORDINATE FINAL EQUIPMENT CONNECTIONS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. VERIFY ALL MOUNTING HEIGHTS.
*FAN COIL IS POWERED VIA CORRESPONDING HEAT PUMP UNIT, HEAT PUMP MCA IS
THE COMBINED LOAD FOR THE ENTIRE SYSTEM.

REMARKS:

1. FUSED DISCONNECT SWITCH	10. REDUCED VOLTAGE STARTER	14. DUCT DETECTOR IN RETURN DUCT
2. NON-FUSED DISCONNECT SWITCH	11. VARIABLE FREQUENCY DRIVE	15. SWITCH WITH LIGHTS
3. BREAKER IN ENCLOSURE	12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.	16. POWERED BY AND INTERLOCKED WITH CORRESPONDING HEAT PUMP.
4. THERMAL OVERLOAD SWITCH	13. DIRECT CONNECTION	
5. TOGGLE SWITCH	A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26	
6. MAGNETIC STARTER	B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIVISION 26	
7. MAGNETIC STARTER/NON-FUSED DISCONNECT SWITCH	C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26	
8. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION	D. FURNISHED, INSTALLED, AND CONNECTED UNDER ANOTHER DIVISION	
9. MAGNETIC STARTER/BREAKER COMBINATION	E. FURNISHED AND INSTALLED UNDER DIVISION 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION	

Branch Panel: P1

Location: STORAGE 115 **Supply From:** METER MAIN **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 10000 **Mains Type:** MLO **Mains Rating:** 200 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LTG - FUTURE EXPANSION	20 A	1	328	500					1	20 A	FIRE ALARM CONTROL PANEL	2
3	LTG - INTERIOR	20 A	1			1327	360			1	20 A	TELEPHONE TERMINAL BOARD	4
5	LTG - INTERIOR	20 A	1					1241	360	1	20 A	REC - STORAGE / MECH CONV.	6
7	LTG - EXTERIOR	20 A	1	98	540					1	20 A	REC - HVAC SERVICE CONV.	8
9	LTG - TIME CLOCK	20 A	1			500	900			1	20 A	REC - CIRCULATION CONV.	10
11	SPARE	20 A	1					0	205	1	20 A	RP-1 / DENTAL WATER VALVE	12
13	REC - OFFICES	20 A	1	1080	2250					2	30 A	WH-1	14
15	REC - BUSSINESS AREA	20 A	1			1440	2250						16
17	REC - BUSINESS BACK COUNTER	20 A	1					360	1920	1	20 A	F-1	18
19	REC - RESTROOMS / DRINK FTN.*	20 A	1	720	1920					1	20 A	F-2	20
21	WAITING ROOM MINI-FRIDGE*	20 A	1			1000	1920			1	20 A	F-3	22
23	REC - WAITING CONVENIENCE	20 A	1					720	999	2	20 A	HP-3 / FC-3	24
25	REC - STAFF ROOM / SUPPLY...	20 A	1	900	999								26
27	REC - STAFF ROOM COUNTER	20 A	1			1200	1831			2	20 A	HP-1 / FC-1	28
29	STAFF ROOM DISHWASHER*	20 A	1					1000	1831				30
31	STAFF ROOM GARBAGE...	20 A	1	180	915					2	20 A	HP-2 / FC-2	32
33	STAFF ROOM MICROWAVE	20 A	1			1000	915						34
35	STAFF ROOM REFRIGERATOR*	20 A	1					1000	2912	2	60 A	CU-1	36
37	REC - OFFICE 119 / RR. 4	20 A	1	720	2912								38
39	CU-3	60 A	2			2713	2854			2	60 A	CU-2	40
41								2713	2854				42
		Total Load:		14062 VA		20178 VA		18106 VA					
		Total...		117 A		173 A		156 A					

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	24445 VA	100.00%	24445 VA		
Kitchen Equipment - Non-Dwelling Unit	3000 VA	90.00%	2700 VA	**Total Conn. Load:**	52345 VA
Motor	5932 VA	108.09%	6412 VA	**Total Est. Demand:**	52879 VA
Receptacle	10685 VA	96.79%	10343 VA	**Total Conn.:**	145 A
Lighting	2814 VA	125.00%	3518 VA	**Total Est. Demand:**	147 A
Misc	5500 VA	100.00%	5500 VA		

Notes:
OVERCURRENT PROTECTIVE DEVICES SHALL HAVE SAME AIC RATING AS PANEL THEY ARE LOCATED IN.
PROVIDE PANEL WITH SUB FEED LUGS
*PROVIDE A GFCI BREAKER FOR THIS CIRCUIT

Branch Panel: P2

Location: STORAGE 115 **Supply From:** METER MAIN **Mounting:** SURFACE **Enclosure:** NEMA 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 10000 **Mains Type:** MLO **Mains Rating:** 200 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	DENTAL VACUUM SYSTEM	30 A	2	1716	1560					2	20 A	X-RAY MACHINE 208V FEED	2
3						1716	1560						4
5	DENTAL AIR COMPRESSOR	30 A	2	1363	720			1363	1200	1	20 A	X-RAY MACHINE 120V FEED	6
7										1	20 A	REC - IMAGING WORKSTATION	8
9	TREAT. 5 UTILITY BOX / CABINET*	20 A	1			1850	1080			1	20 A	REC - SURGERY / TREAT. 5 CONV.	10
11	TREAT. 5/SURG. TV & DENTAL...	20 A	1					840	1850	1	20 A	SURGERY UTILITY BOX / CABINET*	12
13	TREAT. 4 UTILITY BOX / CABINET*	20 A	1	1850	1080					1	20 A	REC - TREAT. 3 / TREAT. 4 CONV.	14
15	TREAT. 3/4 TV & DENTAL LIGHTS	20 A	1			840	1850			1	20 A	TREAT. 3 UTILITY BOX / CABINET*	16
17	TREAT. 2 UTILITY BOX / CABINET*	20 A	1					1850	1080	1	20 A	REC - TREAT. 1 / TREAT. 2 CONV.	18
19	TREAT. 1/2 TV & DENTAL LIGHTS	20 A	1	840	1850					1	20 A	TREAT. 1 UTILITY BOX / CABINET*	20
21	EF-1	20 A	1			1000	360			1	20 A	REC - LAB COUNTER 1 / SINK	22
23	MED GAS MANIFOLD	20 A	1					180	360	1	20 A	REC - LAB COUNTER 2	24
25	REC - STERILE COUNTER 1	20 A	1	360	360					1	20 A	REC - LAB COUNTER 3	26
27	REC - STERILE COUNTER 2	20 A	1			360	2500			2	40 A	DRYER	28
29	REC - STERILE COUNTER 3	20 A	1					540	2500				30
31	STERILIZER	20 A	1	1440	1500					1	20 A	WASHING MACHINE	32
33	REC - STERILE COUNTER 4 / SINK	20 A	1			360	0			1	20 A	SPARE	34
35	REC - STERILE COUNTER 5	20 A	1					360	0	1	20 A	SPARE	36
37	SPARE	20 A	1	0	0					1	20 A	SPARE	38
39	SPARE	20 A	1			0	0			1	20 A	SPARE	40
41	SPARE	20 A	1					0	0	1	20 A	SPARE	42
		Total Load:		14639 VA		13476 VA		12123 VA					
		Total...		124 A		114 A		101 A					

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Motor	7157 VA	111.99%	8015 VA		
Receptacle	22260 VA	72.46%	16130 VA	**Total Conn. Load:**	40237 VA
Misc	10820 VA	100.00%	10820 VA	**Total Est. Demand:**	34965 VA
				Total Conn.:	112 A
				Total Est. Demand:	97 A

Notes:
OVERCURRENT PROTECTIVE DEVICES SHALL HAVE SAME AIC RATING AS PANEL THEY ARE LOCATED IN.
PROVIDE PANEL WITH SUB FEED LUGS
*PROVIDE A GFCI BREAKER FOR THIS CIRCUIT

CONSULTANT

ROCKY MOUNTAIN
CONSULTING ENGINEERS, INC.
2332 West 12600 South, Suite F
Riverton, UT 84065: 801-566-0503
www.rmceut.com Project #25223

DR. BAILEY DENTAL
12257 S 800 E
DRAPER, UT 84020

ISSUED:
DECEMBER 18, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

STAMP

REGISTERED PROFESSIONAL ENGINEER
No. 7945859-2202
DAVID W. STEWARD
01/23/2026
STATE OF UTAH

PROJECT NUMBER:
25082

ELECTRICAL SCHEDULES

E601

45 EAST CENTER STREET, STE 202, NORTH SALT LAKE, UTAH 84054 - PH: 801.936.1343 - WWW.JZW-A.COM
JZW ARCHITECTS

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	VOLTAGE	LAMPING	CONTROL	MOUNTING	LOAD(VA)	DESCRIPTION
DL	LITHONIA OR APPROVED EQUAL	LDN6 35/10 LO6 AR LSS MVOLT GZ10	MVOLT	LED 1000 LUMENS 3500K	0-10V	RECESSED	11	6" LED DOWNLIGHT
DLE	SAME AS TYPE 'DL' EXCEPT WITH EMERGENCY BATTERY PACK							
GL	LITHONIA OR APPROVED EQUAL	STAK 2X4 4000LM 90CRI 35K COL MIN10 ZT MVOLT 2X4SMKSHP PAF	MVOLT	LED 4000 LUMENS 3500K	0-10V	SURFACE	34	2x4 LED VOLUMETRIC WITH SURFACE MOUNT KIT
GLE	SAME AS TYPE 'GL' EXCEPT WITH EMERGENCY BATTERY PACK							
GL2	LITHONIA OR APPROVED EQUAL	STAK 2X2 4000LM 90CRI 35K COL MIN10 ZT MVOLT	MVOLT	LED 4000 LUMENS 3500K	0-10V	RECESSED	34	2X2 LED VOLUMETRIC
GL2E	SAME AS TYPE 'GL2' EXCEPT WITH EMERGENCY BATTERY PACK							
GL3	LITHONIA OR APPROVED EQUAL	STAK 2X2 4000LM 90CRI 35K COL MIN10 ZT MVOLT 2X2SMKSHP PAF	MVOLT	LED 4000 LUMENS 3500K	0-10V	RECESSED	34	2X2 LED VOLUMETRIC WITH SURFACE MOUNT KIT
LL	MARK ARCHITECTURAL OR APPROVED EQUAL	S4PD LLP 4FT MSL4 80CRI 35K 400LMF SCT MIN1 FLL MVOLT SCBA ZT F2 36A	MVOLT	LED 1600 LUMENS 3500K	0-10V	SUSPENDED	13	4' LED LINEAR DIRECT ONLY SUSPENDED BETWEEN WOOD SLAT CEILING
PL	MODERN FORMS OR APPROVED EQUAL	MARIMBA PD-52708-GL	120V	LED 1000 LUMENS 3000K	ELV	PENDANT	14	LED DECORATIVE PENDANT
PL2	MODERN FORMS OR APPROVED EQUAL	YOLO PD-55718-GL	120V-277V	LED 2000 LUMENS 3000K	ELV	PENDANT	20	LED DECORATIVE PENDANT
PL3	MODERN FORMS OR APPROVED EQUAL	STACKED PD-50748-SCBA	120V-277V	LED 4047 LUMENS 3000K	ELV, 0-10V	PENDANT	42	LED DECORATIVE PENDANT. SELECT COLOR BY ARCHITECT.
SL	LITHONIA OR APPROVED EQUAL	ZL1D L48 5000LM FST MVOLT 35K 80CRI WH	MVOLT	LED 5000 LUMENS 3500K	0-10V	SUSPENDED	41	48" LED STRIP LIGHT
VA	MODERN FORMS OR APPROVED EQUAL	MINI VOGUE WS-21718-30-SCBA	120V-277V	LED 1200 LUMENS 3000K	ELV	WALL	16	20" LED VANITY LIGHT. SELECT COLOR BY ARCHITECT.
OWE	LITHONIA OR APPROVED EQUAL	AFB PEL DDBTXD UVOLT LTP WT CW	UVOLT	LED	-	WALL	16	ARCHITECTURAL EMERGENCY WITH LITHIUM IRON PHOSPHATE BATTERY COLD WEATHER RATED.
OW1	MODERN FORMS OR APPROVED EQUAL	VESSEL WS-W9101-6" SCBA	MVOLT	LED 1200 LUMENS 3000K	0-10V	WALL	17	EXTERIOR 6" CYLINDER WALL SCONCE. SCBA - SELECT COLOR BY ARCHITECT
EX	LITHONIA OR APPROVED EQUAL	EXRG EL M6	MVOLT	LED	-	WALL / CEILING	1	THERMOPLASTIC EXIT SIGN WITH NICKEL CADMIUM BATTERY GREEN LETTERING.

NOTES:

1. ALL LIGHT FIXTURES SHOWN HALF SHADED SHALL BE PROVIDED WITH AN EMERGENCY BATTERY PACK CAPABLE OF PROVIDING 90 MIN. OF EGRESS ILLUMINATION.

2. ALL LIGHTING VALUE ENGINEERING PROVIDED FOR THIS PROJECT SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER FOR REVIEW AND APPROVAL AFTER THE PROJECT HAS BEEN BID AND AWARDED. ANY CREDITS FOR VE SHALL INCLUDE TIME TO COMPENSATE OUR OFFICE FOR ENGINEERING REVIEW AND VERIFICATION OF BRANCH CIRCUIT LOADING AND/OR ENERGY CODE COMPLIANCE. NO VE SUBMITTALS WILL BE APPROVED WITHOUT THIS PROCESS IN PLACE. VE SUBMITTALS SHALL INCLUDE PHOTOMETRIC ANALYSIS TO ENSURE NEW LIGHT FIXTURES PROVIDE COMPARABLE LIGHT LEVELS TO THOSE ORIGINALLY DESIGNED.

3. PRIOR APPROVALS SHALL BE SUBMITTED TO OUR OFFICE NO LESS THAN 5 BUSINESS DAYS OF THE PROJECT BID DATE. ANYTHING SUBMITTED AFTER THIS TIME FRAME WILL NOT BE REVIEWED AND WILL BE CONSIDERED NON-APPROVED FOR BIDDING PURPOSES. ALL LIABILITY ASSOCIATED WITH NON-APPROVED FIXTURES THAT DO NOT MEET THE PROJECT REQUIREMENTS WILL REST SOLELY WITH THE CONTRACTOR.

4. MANUFACTURER SHALL PROVIDE SEISMIC SUPPORT WITH FIXTURES OVER 20 LBS.

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