

PROJECT:

# STONE CREEK DENTAL TI

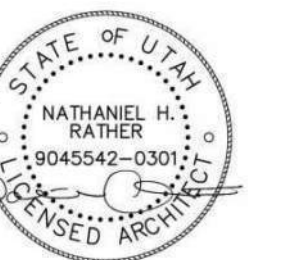
ADDRESS:



Architecture  
Architecture  
Interior Design  
Landscape Architecture  
Land Planning  
Construction Management

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6 APR 2026

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DESIGN/ DRAWING APPROVALS	ABBREVIATIONS	GRAPHIC SYMBOLS/ MATERIALS LEGEND	VICINITY MAP	DRAWING INDEX																																																																																																																																																																																																																																																																																																																																																																																																								
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CONSTRUCTION DOCUMENTS  
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 10509 RIVER HEIGHTS DRIVE, SUITE 203  
 SOUTH JORDAN, UT  
 PROJECT NO. 26-021  
 DATE: 6 APR 2026  
 REVISIONS:  
 SHEET TITLE:  
 COVER SHEET  
 SHEET NUMBER:  
 G000  
 © 2025 THINK ARCHITECTURE, INC.

PROJECT GENERAL NOTES

- 1. DEFINITIONS
a. PROVIDE: MEANS TO PROVIDE, FURNISH AND INSTALL. A COMPLETE SYSTEM AND READY FOR OPERATIONS AND USE FOR PURPOSE INTENDED INCLUDES THOSE ITEMS SPECIFIED WITH THE DRAWINGS AND SPECIFICATIONS AS WELL AS THOSE ITEMS THAT ARE REQUIRED TO PROVIDE A COMPLETE SYSTEM. THE CONTRACTOR AND SUB CONTRACTORS ARE REQUIRED TO PROVIDE THE FULL AND COMPLETE SYSTEM.
b. FURNISH: MEANS TO SUPPLY, PURCHASE, PROCURE AND DELIVER COMPLETE WITH RELATED ACCESSORIES, READY FOR ASSEMBLY, APPLICATION, INSTALLATION, AND SIMILAR OPERATIONS, AS APPLICABLE IN EACH INSTANCE.
c. INSTALL: MEANS TO CONSTRUCT, ASSEMBLE, ERECT, MOUNT, ANCHOR, PLACE, CONNECT, APPLY AND SIMILAR OPERATIONS, COMPLETE WITH RELATED ACCESSORIES, AS APPLICABLE IN EACH INSTANCE.
d. EQUIVALENT: MEANS "EQUIVALENT AS ACCEPTED BY THE ARCHITECT," WITH RESPECT TO PRODUCTS. EQUIVALENT MEANS A LIKE DEGREE OF FEATURES, ATTRIBUTES, PERFORMANCES, OR QUALITIES DEEMED ESSENTIAL TO THE DESIGN. INDICATED INSTEAD, THE TERM INTENDED TO MEAN ARCHITECT WILL CONSIDER SUBSTITUTION PROPOSALS FOR THE PRODUCT. DO NOT ASSUME THAT SUBSTITUTE PRODUCTS ARE ACCEPTABLE. SUBSTITUTIONS MADE BY THE CONTRACTOR WITHOUT FULL AND FINAL APPROVAL, MAY REQUIRE TO BE REMOVED IF NOT DEEMED ACCEPTABLE BY THE ARCHITECT. ALL COSTS ASSOCIATED TO REMOVAL OF SUBSTITUTION NOT APPROVED, AND INSTALLATION OF ACCEPTED PRODUCTS WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

- GENERAL NOTES
G1. INTENT OF THE DOCUMENTS: DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE BASIS FOR THE PROPER COMPLETION OF THE PROJECT, SUITABLE FOR THE INTENDED USE OF THE OWNER. ITEMS NOT EXPRESSLY SET FORTH WITHIN THE DRAWINGS AND SPECS, BUT WHICH ARE REASONABLY IMPLIED FOR COMPLETION OF A COMPLETE SYSTEM, OR NECESSARY, FOR THE PROPER PERFORMANCE OF THE WORK SHALL BE INCLUDED.

- G2. DRAWINGS AND SPECIFICATIONS: SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY AND SUPPLEMENTAL TO THE DRAWINGS. NO RELATIVE IMPORTANCE OF DRAWINGS VERSUS SPECIFICATIONS HAS BEEN ESTABLISHED AND NONE SHOULD BE ASSUMED, BUT THE MOST STRINGENT CONDITIONS SHOULD BE ASSUMED FOR ALL BIDDING AND CONSTRUCTION REQUIREMENTS. IN THE EVENT OF DISCREPANCIES OR CONFLICTS, THE ARCHITECT SHALL BE CONSULTED IN ORDER TO RENDER AN INTERPRETATION.

- BIDDING, PRICING OR CONSTRUCTION DONE PRIOR TO RECEIVING FINAL BUILDING DEPARTMENT PERMITS IS AT THE CONTRACTORS OWN RISK. CHANGES TO THE DRAWINGS MAY BE REQUIRED AS PART OF THE PLAN CHECK AND/ OR OWNER REVIEW PROCESS. THINK ARCHITECTURE INC. AND ITS CONSULTING ENGINEERS WILL NOT BE HELD LIABLE FOR, NOR COMPENSATE FOR, CHANGES TO THESE DRAWINGS BEFORE FINAL JURISDICTION AND OWNER APPROVAL IS OBTAINED.

- G3. WORK NOT INCLUDED: ANY ITEM INDICATED ON THE DRAWINGS AS "N.I.C.," (NOT IN CONTRACT), OR OTHERWISE DESIGNATED TO BE DONE BY OTHERS IS NOT A PART OF THE CONTRACT. INSTALLATION AND/OR BACKING MAY BE REQUIRED FOR SOME EQUIPMENT FURNISHED BY OWNER OR OWNER'S SUBCONTRACTOR. REFER TO DRAWINGS FOR SPECIFIC REQUIREMENTS.

- G4. CONTRACT DOCUMENTS AT SITE: THE CONTRACTOR SHALL MAINTAIN CURRENT PERMIT DRAWINGS; SHOP DRAWINGS; REVISED DRAWINGS; AND CLARIFICATION DRAWINGS, ADDENDA, CHANGE ORDERS; BULLETINS; INSPECTIONS; TEST CERTIFICATIONS AND RECORDS; PRODUCT SUBMITTAL DATA AND SAMPLES. FIELD OFFICE SHALL CONTAIN A CURRENT COPY OF ALL GOVERNING BUILDING CODE(S), MAKE DOCUMENTS AVAILABLE AT ALL TIMES FOR ARCHITECT'S REVIEW. ALL DRAWINGS MUST BE CLEARLY MARKED AS TO THE FINAL APPROVED DRAWINGS.

- G5. RECORD DRAWINGS: THE MAINTAIN ACCURATELY DIMENSIONED RECORDS OF ALL UNDERGROUND LINES, SERVICES, AND UTILITIES, AS WELL AS ANY DISCREPANCIES OR REQUIRED CHANGES IN THE CONTRACT DOCUMENTS, AT THE END OF THE PROJECT, FORWARD TO ARCHITECT FOR FUTURE RECORDS, ONE (1) CD OF COMPLETE RECORD DRAWINGS TO OWNER IN PDF FORMAT AFTER COMPLETING FINAL PUNCH LIST.

- G6. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED SIZES; DO NOT SCALE DRAWINGS TO DETERMINE ANY LOCATIONS, THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES, PRIOR TO CONTINUING WITH WORK.

- G7. FIELD CONFIRMATION OF DISCREPANCIES SHALL BE RECORDED ON REPRODUCIBLE DOCUMENT AND IMMEDIATELY TRANSMITTED TO ARCHITECT FOR PROJECT RECORD, COORDINATION, AND NECESSARY RESOLUTION PRIOR TO CONTINUING WITH WORK.

- G8. FIELD MEASUREMENTS: VERIFY FIELD MEASUREMENTS BEFORE ORDERING MATERIALS AND PREFABRICATED ITEMS, ANY NECESSARY ADJUSTMENTS BETWEEN FIELD MEASUREMENTS AND DRAWINGS SHALL BE MADE IN CONSULTATION WITH THE ARCHITECT.

- G9. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED EDITIONS OF ALL APPLICABLE BUILDING CODES, THE AMERICANS WITH DISABILITIES ACT, AS WELL AS ALL OTHER LOCAL GOVERNING CODES AND ORDINANCES.

- G10. REFERENCE STANDARDS: COMPLY WITH ASSOCIATION, TRADE, FEDERAL, COMMERCIAL, ASTM, AND OTHER SIMILAR STANDARDS REFERENCED WITHIN INDIVIDUAL SECTIONS, EXCEPT WHERE MORE EXPLICIT OR STRINGENT REQUIREMENTS ARE INDICATED, OR REQUIRED BY APPLICABLE CODES. REFERENCE STANDARDS HAVE SAME FORCE AND EFFECT AS IF BOUND INTO CONTRACT DOCUMENTS. SHOULD SPECIFIED REFERENCE STANDARDS CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.

CONTRACTOR

- C1. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING SITE CONDITIONS, UTILITIES, CONNECTIONS, LOCATIONS, ETC. AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
C2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE, THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR THE REPAIR OR REPLACEMENT OF UTILITIES AND ALL OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH EXECUTION OF WORK.
C3. CONTRACTOR SHALL PRIOR TO COMMENCEMENT OF WORK, FIELD VERIFY ALL EXISTING PROJECT CONDITIONS, INCLUDING DIMENSIONS, UTILITY LOCATIONS, AND UTILITY SIZES.
C4. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL NATIONAL, STATE AND LOCAL, AND RELATED CODES FOR STANDARD CONSTRUCTION PRACTICES.
C5. INSTALLATION STANDARDS: ALL MANUFACTURED MATERIALS AND PRODUCTS SHALL BE APPLIED, INSTALLED, CONNECTED, CLEANED AND CONDITIONED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. ALL REFERENCES TO STANDARDS OR TO MANUFACTURER'S SPECIFICATIONS SHALL BE TO THE LATEST EDITIONS OR LATEST AMENDMENTS.
C6. HOURS OF WORK: ALL DEMOLITION, GRADING, AND CONSTRUCTION WORK SHALL BE LIMITED TO THE FOLLOWING HOURS: MONDAY THROUGH SATURDAY 7:00 AM TO 7:00 PM, OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION COUNTY PLANNING AND ZONING. NO ACTIVITIES ON SUNDAY, AFTER-HOURS WORK WILL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE PERSONS/AGENCIES THAT HAVE JURISDICTION.
C7. TESTING AGENCIES: THE CONTRACTOR SHALL PROVIDE AND PAY FOR INSPECTIONS, TESTS, AND OTHER SERVICES SPECIFIED. REFER TO INDIVIDUAL SECTIONS FOR ADDITIONAL REQUIREMENTS. EMPLOYMENT OF TESTING LABORATORY SHALL IN NO WAY RELIEVE CONTRACTOR OF OBLIGATION TO PERFORM WORK IN ACCORDANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS.
C8. PROJECT LOG: MAINTAIN DAILY LOG CONTAINING ALL INFORMATION REGARDING CONSTRUCTION OPERATIONS AND OTHER OCCURRENCES PERTAINING TO THE PROJECT. MAKE LOG AVAILABLE FOR ARCHITECT'S REVIEW.
C9. WORK PROGRESS SCHEDULE: MAINTAIN AN UPDATED WORK PROGRESS SCHEDULE POSTED IN A VISIBLE PLACE LOCATED IN FIELD OFFICE. UPDATE SCHEDULE DAILY TO REFLECT WORK PROGRESS.
C10. THE GENERAL BUILDING PERMITS SHALL BE PAID FOR BY THE OWNER AND SECURED BY THE GENERAL CONTRACTOR. ALL OTHER REQUIRED PERMITS SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR OR SUBCONTRACTOR DIRECTLY RESPONSIBLE.
C11. CONTRACTOR SHALL ASSIST OWNER IN OBTAINING FINAL APPROVAL OF LOCAL HEALTH DEPARTMENT AND THE TEMPORARY AND FINAL CERTIFICATES OF OCCUPANCY.

- C12. ADDITIONAL REQUIRED CITY AND COUNTY LICENSES SHALL BE ACQUIRED AND PAID FOR BY THE INDIVIDUAL TRADES.
C13. ALL CONTRACTORS SHALL HAVE VALID CERTIFICATES OF WORKMAN'S COMPENSATION ON FILE WITH THE APPROPRIATE AGENCIES.
C14. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS AND WORKERS AT ALL TIMES.
C15. CONTRACTOR'S FIELD OFFICE: PROVIDE AND MAINTAIN A FIELD OFFICE ON THE PREMISES WHERE DIRECTED. OFFICE SHALL BE OF HEAT, SUBSTANTIAL CONSTRUCTION, PROVIDE HANGING PLAN FILES AND MAINTAIN WITH ALL CURRENT RAWINGS.
a. STORAGE STRUCTURE: PROVIDE AND MAINTAIN, WHERE DIRECTED, A WATER-TIGHT STORAGE STRUCTURE FOR ALL MATERIALS WHICH MIGHT BE DAMAGED BY WEATHER, INCLUDING STORAGE FACILITIES FOR CONCRETE TEST SAMPLES, OR OTHER MATERIAL SAMPLES REQUIRED FOR WORK.
b. COSTS: PAY COSTS FOR A LOCAL BUSINESS TELEPHONE FOR USE BY CONTRACTOR, OWNER AND ARCHITECT THROUGHOUT CONTRACT PERIOD.
c. COMMUNICATION EQUIPMENT: PROVIDE A TELEPHONE ON SITE, ASSIGN A RESPONSIBLE PERSON TO ANSWER ALL TELEPHONE CALLS IN EVENT THE SUPERINTENDENT IS ABSENT FROM THE PREMISES, PROVIDE APPROVED MEANS TO ESTABLISH URGENT COMMUNICATIONS (CELLULAR TELEPHONE OR PAGER).

- C16. TEMPORARY FACILITIES: PROVIDE TEMPORARY FACILITIES AND CONNECTIONS AS REQUIRED FOR THE PROPER COMPLETION OF THE PROJECT, PROVIDE AND MAINTAIN TEMPORARY UTILITY SERVICES, PROVIDE SUITABLE WASTE DISPOSAL UNITS AND EMPTY REGULARLY, DO NOT PERMIT ACCUMULATION OF TRASH AND WASTE MATERIALS, PROVIDE TEMPORARY SANITARY FACILITIES AS REQUIRED.
C17. STORAGE AND PROTECTION: STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS WITH LABELS INTACT AND LEGIBLE. STORE SENSITIVE PRODUCTS IN WEATHER-TIGHT, CLIMATE CONTROLLED ENCLOSURES. PROVIDE OFFSITE STORAGE AND PROTECTION WHEN SITE DOES NOT PERMIT ON SITE STORAGE.
C18. FIELD QUALITY CONTROL: EMPLOY ONLY EXPERIENCED INSTALLERS AND FURNISH EVIDENCE OF EXPERIENCE IF REQUESTED. USE OF ANY SUBCONTRACTOR OR INSTALLER IS SUBJECT TO OWNER'S APPROVAL. EMPLOY FULL-TIME, COMPETENT SUPERINTENDENT AS WELL AS NECESSARY ASSISTANTS. SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR AND ALL COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR.

- C19. PRODUCT HANDLING: TRANSPORT AND HANDLE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DELIVER PRODUCTS IN UNDAMAGED CONDITION, IN MANUFACTURER'S ORIGINAL UNOPENED CONTAINER'S OR PACKING, WITH IDENTIFYING LABELS INTACT AND LEGIBLE. PROMPTLY INSPECT SHIPMENTS TO ENSURE THAT PRODUCTS COMPLY WITH REQUIREMENTS OF CONTRACT DOCUMENTS, QUANTITIES ARE CORRECT, AND PRODUCTS ARE UNDAMAGED.
C20. COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS: HANDLE, INSTALL, ERECT, CONNECT, CONDITION, USE, ADJUST, AND CLEAN PRODUCTS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTION AND IN CONFORMITY WITH SPECIFIED REQUIREMENTS, INCLUDING EACH STEP IN SEQUENCE. DO NOT OMIT PREPARATORY STEPS OR INSTALLATION PROCEDURES UNLESS SPECIFICALLY MODIFIED OR EXEMPTED BY CONTRACT DOCUMENTS. SHOULD JOB CONDITIONS OR SPECIFIED REQUIREMENTS CONFLICT WITH MANUFACTURER'S INSTRUCTIONS, REQUEST CLARIFICATION IN WRITING FROM ARCHITECT BEFORE PROCEEDING. INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH PROPER APPEARANCE.

- C21. MANUFACTURER'S FIELD SERVICES: WHEN SPECIFIED IN INDIVIDUAL SECTIONS, REQUIRE MATERIAL OR PRODUCT SUPPLIERS OR MANUFACTURERS TO PROVIDE QUALIFIED STAFF PERSONNEL TO OBSERVE SITE CONDITIONS, CONDITIONS OF SURFACES, QUALITY OF WORKMANSHIP, AND CONDITIONS OF INSTALLATION AS APPLICABLE AND TO INITIATE ADDITIONAL INSTRUCTIONS WHEN NECESSARY.
C22. CONTRACTOR SHALL VERIFY, AND BE RESPONSIBLE FOR, ALL WORK AND MATERIALS - INCLUDING THOSE FURNISHED BY SUBCONTRACTORS.
C23. NON-CONFORMING WORK: REMOVE AND REPLACE WORK THAT DOES NOT CONFORM TO THE CONTRACT DOCUMENTS AT NO ADDITIONAL EXPENSE TO THE OWNER.

- C24. PRODUCT IDENTIFICATIONS: NAMEPLATES, TRADEMARKS, LOGOS, AND OTHER IDENTIFYING MARKS ON PRODUCTS ARE NOT PERMITTED ON SURFACES EXPOSED TO VIEW IN PUBLIC AREAS, INTERIOR OR EXTERIOR. PLUMBING, MECHANICAL, AND ELECTRICAL EQUIPMENT NOT EXPOSED TO PUBLIC VIEW ARE EXECUTED FROM FOREGOING LIMITATION, REQUIRED UL OR FM LABELS ARE ALSO EXCLUDED.
C25. PROTECTION OF ADJACENT WORK: PROVIDE TEMPORARY PROTECTION FOR ADJACENT AREAS TO PREVENT DAMAGE BY INSTALLATION OF NEW WORK OR DEMOLITION OF EXISTING CONSTRUCTION. PROMPTLY REPAIR ANY DAMAGE AT NO ADDITIONAL COST TO THE OWNER. PROTECT ADJACENT AREAS FROM CONTAMINATION BY CONSTRUCTION DUST AND DEBRIS. PROVIDE TEMPORARY BARRICADES AS NECESSARY TO ENSURE PROTECTION OF THE PUBLIC, MAINTAIN EGRESS WITHIN AND AROUND CONSTRUCTION AREAS.
C26. DAMAGED PRODUCTS: DO NOT USE PRODUCTS IN WORK, WHICH HAVE DETERIORATED, BECOME DAMAGED, OR ARE OTHERWISE UNFIT FOR USE. RESTORE UNITS DAMAGED DURING INSTALLATION. REPLACE UNITS, WHICH CANNOT BE RESTORED AT NO ADDITIONAL EXPENSE TO THE OWNER.

- C27. SECURITY: PROVIDE FACILITIES TO PROTECT WORK FROM UNAUTHORIZED ENTRY, VANDALISM, AND THEFT. CONDUCT OPERATIONS IN MANNER TO AVOID RISK OF LOSS, THEFT, OR DAMAGE BY VANDALISM.
C28. TEMPORARY CONTROLS:
a. HEAT: PRIOR TO ENCLOSURE, PROVIDE HEATING AS NECESSARY TO PROTECT MATERIALS, PRODUCTS, AND FINISHES FROM DAMAGE DUE TO TEMPERATURE OR HUMIDITY. ENCLOSURE IS DEFINED AS STATE OF CONSTRUCTION WHEN EXTERIOR WALLS ARE ERECTED, DOORS AND WINDOWS ARE INSTALLED AND GLAZED, ROOF DECK AND ROOFING ARE COMPLETE, AND WHEN OTHER OPENINGS IN EXTERIOR ENVELOPE ARE EQUIPPED WITH TEMPORARY CLOSURES, EXCEPT WHERE INDICATED OTHERWISE IN INDIVIDUAL SPECIFICATION SECTIONS, MAINTAIN MINIMUM AMBIENT TEMPERATURE OF 50 DEGREES F. IN AREAS WHERE CONSTRUCTION IS IN PROGRESS.
b. VENTILATION: VENTILATE ENCLOSED AREAS TO ASSIST CURE OF MATERIALS, TO DISSIPATE HUMIDITY, AND TO PREVENT ACCUMULATION OF DUST, FUMES, VAPORS, OR GASES.

- c. BARRIERS AND CLOSURES: PROVIDE BARRIERS TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION AREAS AND TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM DAMAGE FROM CONSTRUCTION OPERATIONS.
d. FIRE PROTECTION: COMPLY WITH LOCAL FIRE PROTECTION CODE AND GOVERNING AUTHORITIES. PROVIDE AND MAINTAIN ADEQUATE FIRE PROTECTION INCLUDING, WITHOUT LIMITATION, FIRE EXTINGUISHERS AND OTHER APPROPRIATE EQUIPMENT FOR FIRE EXTINGUISHING READY FOR IMMEDIATE USE. MAINTAIN ANY REQUIRED FIRE ALARM SYSTEMS IN OPERATION DURING CONSTRUCTION, DISTRIBUTE EQUIPMENT AROUND SITE AND PARTICULARLY IN IMMEDIATE VICINITY OF PERFORMANCE OF WELDING OR SIMILAR HAZARDOUS WORK.

- C29. INTERRUPTION OF SERVICES: INTERRUPTIONS TO ANY SERVICE FOR THE PURPOSE OF MAKING OR BREAKING A CONNECTION SHALL BE MADE ONLY AFTER CONSULTATION WITH THE OWNER AND SHALL BE AT SUCH TIME AND OF SUCH DURATION AS MAY BE DIRECTED.
C30. EXCAVATIONS OR TRENCHING: KEEP THE INTERVALS BETWEEN EXCAVATION OR TRENCHING, INSTALLATION OF CONDUIT OR PIPING, AND BACK FILLING OPERATIONS TO AN ABSOLUTE MINIMUM. PROVIDE SUITABLE TEMPORARY COVERS FOR EXCAVATIONS OR TRENCHING CROSSING ROADWAYS, WALKS, OR OTHER TRAFFIC WAYS AS REQUIRED BY GOVERNING AGENCIES.

- C31. CUTTING AND PATCHING: DO NOT CUT AND PATCH IN A MANNER THAT WOULD RESULT IN A FAILURE OF THE WORK TO PERFORM AS INTENDED, DECREASE FIRE PERFORMANCE, DECREASE ACOUSTICAL PERFORMANCE, DECREASE ENERGY PERFORMANCE, DECREASE OPERATIONAL LIFE, OR DECREASE SAFETY FACTORS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. CUT WITH TOOLS APPROPRIATE FOR MATERIALS TO BE CUT. PATCH WITH MATERIALS AND METHODS TO PRODUCE PATCH THAT IS NOT VISIBLE FROM A DISTANCE OF THREE FEET.

- C32. COORDINATION AND CLEARANCES: VERIFY AND COORDINATE CLEARANCES, DIMENSIONS, AND INSTALLATION OF ADJOINING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, CONDUITS, OR OTHER MECHANICAL OR ELECTRICAL ITEMS OR APPARATUS. VERIFY DIMENSIONS FOR CONSTRUCTION TO BE FITTED INTO WORK.
a. ATTACHMENTS AND CONNECTIONS: PROVIDE ATTACHMENT AND CONNECTION DESIGNS METHODS FOR SECURING AND ANCHORING WORK. SECURE IN PLACE WITH DEVICES DESIGNATED AND SIZED TO WITHSTAND STRESSES, VIBRATION, PHYSICAL DISTORTION, OR DISFIGUREMENT.
b. EXPANSION AND MOVEMENT: ALLOW FOR EXPANSION OF MATERIALS AND BUILDING MOVEMENT.
c. ISOLATION OF DISSIMILAR ITEMS: ISOLATE EACH UNIT OF WORK FROM INCOMPATIBLE WORK AS NECESSARY TO PREVENT DETERIORATION AND ELECTROLYTIC ACTION.

- d. MAINTENANCE: CLEAN AND PERFORM MAINTENANCE ON INSTALLED WORK AS FREQUENTLY AS NECESSARY THROUGH REMAINDER OF CONSTRUCTION PERIOD. LUBRICATE OPERABLE COMPONENTS TO ENSURE OPERABILITY WITHOUT DAMAGING EFFECTS.
e. ADJUSTMENTS: ADJUST OPERATING PRODUCTS AND EQUIPMENT TO ENSURE SMOOTH AND UNHINDERED OPERATION.
C33. EXAMINATION OF CONDITIONS: EXAMINE SUBSTRATES AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. DO NOT COMMENCE WORK OVER UNSATISFACTORY CONDITIONS DETRIMENTAL TO PROPER AND TIMELY EXECUTION OF WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. COMMENCEMENT OF INSTALLATION CONSTITUTES ACCEPTANCE OF CONDITIONS AND COSTS OF ANY CORRECTIVE MEASURES ARE RESPONSIBILITY OF CONTRACTOR.

- C34. CONTRACTOR SHALL PROVIDE BACKING SUPPORT OF ALL WALL, CEILING, AND PARTITION MOUNTED ITEMS SUCH AS TABLE BRACKETS, LIGHT FIXTURES, ARTIFACTS, SHELVING, EQUIPMENT, AND TELEVISIONS. COORDINATE LOCATIONS AND REQUIREMENTS WITH THE PLUMBING, MECHANICAL, ELECTRICAL DRAWINGS.
C35. EXTERIOR OPENINGS SHALL COMPLY WITH ALL SECURITY REQUIREMENTS AS OUTLINED IN ALL LOCAL BUILDING CODES AND ORDINANCES.
C36. GLASS AND GLAZING: FOR ALL WINDOWS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES. IN ADDITION ALL WINDOWS MUST MEET THE "AAMA" WINDOW STANDARDS FOR INSTALLATION. THE CONTRACTOR SHALL OBTAIN, AND SHALL FOLLOW ALL REQUIREMENTS OF THE "AAMA" STANDARDS IN ADDITION TO THE MANUFACTURER SPECIFICATIONS AND ARCHITECTURAL DETAILS INCLUDED WITHIN THE DRAWINGS.

- C37. ROOFING WORK SHALL BE PERFORMED AND ALL PENETRATIONS THROUGH THE ROOFING MEMBRANE SHALL BE PATCHED OR FLASHED AS PER THE MANUFACTURER'S STANDARDS.
C38. ROOF OBSTRUCTIONS SUCH AS TELEVISION ANTENNAE, SOLAR PANELS, AND GUY WIRES SHALL NOT BE LOCATED OR INSTALLED IN SUCH A WAY AS TO PREVENT FIRE DEPARTMENT ACCESS OR EGRESS IN THE EVENT OF A FIRE.
C39. INTERIOR WALL AND CEILING FINISHES SHALL NOT EXCEED FLAME SPREAD CLASSIFICATIONS DICTATED BY ALL APPLICABLE BUILDING CODES.
C40. GYPSUM BOARD AND SUSPENDED CEILING SYSTEMS SHALL CONFORM TO ALL LOCAL GOVERNING BUILDING CODES AND ORDINANCES.

- C41. PIPES, CONDUITS, OR DUCTS EXCEEDING ONE THIRD OF THE SLAB OR MEMBER THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL DRAWINGS FOR LOCATION OF SLEEVES AND OTHER ACCESSORIES.
C42. VERIFY FIRE EXTINGUISHING REQUIREMENTS AND LOCATIONS WITH FIRE MARSHAL AND OWNER'S REPRESENTATIVE.
C43. CONTRACTOR SHALL SEAL ALL GAPS, HOLES, AND CRACKS IN BUILDING CONSTRUCTION AS REQUIRED TO CONTROL INFILTRATION OF INSECTS.
C44. DISPOSAL OF TRASH AND EXCESS EXCAVATION: DISPOSE OF TRASH, AND DEBRIS AT DESIGNATED AREAS OFF THE PREMISES AT NO ADDITIONAL COST TO THE OWNER. BURNING OF TRASH AND DEBRIS ON THE PREMISES IS PROHIBITED. COORDINATE TRASH REMOVAL WITH LANDLORD WHERE APPLICABLE.

- C45. ELECTRICAL, MECHANICAL AND PLUMBING SYSTEM ARE SCHEMATIC ONLY. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL WORK TO AVOID CONFLICTS BETWEEN TRADES. THE CONTRACTOR SHALL PERFORM ALL WORK TO PROVIDE COMPLETE FUNCTIONING SYSTEMS IN ACCORDANCE WITH THE INTENT INDICATED AND CODES AND REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION.
C46. CLEANING MATERIALS AND EQUIPMENT: PROVIDE ALL REQUIRED PERSONNEL, EQUIPMENT, AND MATERIALS NEEDED TO MAINTAIN THE SPECIFIED STANDARD OF CLEANLINESS. USE ONLY THE CLEANING MATERIALS AND EQUIPMENT WHICH ARE COMPATIBLE WITH THE SURFACE BEING CLEANED, AS RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL.

- 56. AVAILABILITY OF PRODUCTS: VERIFY PRIOR TO CONSTRUCTION START THAT ALL SPECIFIED ITEMS WILL BE AVAILABLE IN TIME FOR INSTALLATION DURING ORDERLY AND TIMELY PROGRESS OF THE WORK. IN THE EVENT SPECIFIED ITEM OR ITEMS WILL NOT BE SO AVAILABLE, NOTIFY THE ARCHITECT PRIOR TO START OF CONSTRUCTION. COST OF DELAYS BECAUSE OF NON-AVAILABILITY OF SPECIFIED ITEMS OR SUBSTITUTED ITEMS, WHEN THE CONTRACTOR COULD HAVE AVOIDED SUCH DELAYS, WILL BE BORNE BY THE CONTRACTOR.
57. PRODUCTS AND MATERIALS: PROVIDE PRODUCTS AND MATERIALS SPECIFIED. REQUEST ARCHITECT'S SELECTION OF COLORS AND ACCESSORIES IN SUFFICIENT TIME TO AVOID DELAYING PROGRESS OF THE WORK.

TOLERANCES

- T1. TOLERANCES: INSTALL WORK TRUE TO LINE, PLUMB, AND LEVEL, EXCEPT WHERE SPECIFIED OTHERWISE, WORK EXECUTED WITHIN THE FOLLOWING TOLERANCE WILL BE ACCEPTABLE.
a. TRUE TO LINE: ALLOWED DEVIATION FROM AN ABSOLUTELY STRAIGHT LINE OF SIGHT WITHIN PLUS OR MINUS 1/8 INCH IN 10 FT., AND WITHIN PLUS OR MINUS 1/4 INCH FOR ENTIRE LENGTH OF A PARTICULAR ELEMENT OF CONSTRUCTION OVER 20'-0" IN LENGTH.
b. PLUMB: ALLOWED DEVIATIONS FROM AN ABSOLUTELY VERTICAL PLANE OF PLUS OR MINUS 1/8 INCH IN 10 FT. AND WITHIN PLUS OR MINUS 1/4 INCH FOR ENTIRE LENGTH OF A PARTICULAR ELEMENT OF CONSTRUCTION OVER 20'-0" IN LENGTH.
c. LEVEL: ALLOWED DEVIATIONS FROM AN ABSOLUTELY HORIZONTAL PLANE OF PLUS OR MINUS 1/8 INCH IN 10 FT. AND WITHIN PLUS OR MINUS 1/4 INCH FOR ENTIRE LENGTH OF A PARTICULAR ELEMENT OF CONSTRUCTION OVER 20'-0" IN LENGTH.
d. ALLOWED DEVIATIONS FROM AN ABSOLUTELY FLAT IF WITHIN PLUS OR MINUS 1/16 INCH IN ONE SQUARE FOOT, WITHIN PLUS OR MINUS 1/8 INCH IN AN AREA 10 FEET BY 10 FEET, AND WITHIN PLUS OR MINUS 1/4 INCH FOR ENTIRE AREA OF A PARTICULAR ELEMENT OF CONSTRUCTION OVER 20'-0" IN LENGTH.

PROJECT CONTRACT CLOSEOUT:

- a. SUBSTANTIAL COMPLETION: AT SUBSTANTIAL COMPLETION OF THE PROJECT, SCHEDULE AND ATTEND A PUNCH LIST WALK THROUGH OF REMAINING WORK FOR REVIEW WITH THE ARCHITECT AND OWNER. COMPLETE ALL DEFECTS AND OMISSIONS NOTED IN THE FINAL PUNCHLIST PROMPTLY, IN THE TIME PERIOD AGREED UPON WITH THE OWNER, AT NO ADDITIONAL EXPENSE TO THE OWNER.
b. CERTIFICATE OF OCCUPANCY: PROVIDE THE FINAL CERTIFICATE OF OCCUPANCY FROM THE BUILDING DEPARTMENT.
c. PERMITS/INSPECTION CARDS: FURNISH COPIES OF PERMITS AND SIGNED INSPECTION CARDS FOR EACH OF THE FOLLOWING AGENCIES: BUILDING DEPARTMENT; PLUMBING/MECHANICAL DEPARTMENT; ELECTRICAL DEPARTMENT; FIRE DEPARTMENT; HEALTH DEPARTMENT; OTHERS AS REQUIRED.
d. FURNISH COPIES OF PERMITS AND SIGNED INSPECTION CARDS FOR EACH OF THE FOLLOWING AGENCIES: BUILDING DEPARTMENT; PLUMBING/MECHANICAL DEPARTMENT; ELECTRICAL DEPARTMENT; FIRE DEPARTMENT; HEALTH DEPARTMENT; OTHERS AS REQUIRED.
e. MAINTENANCE MANUALS AND WARRANTIES: FURNISH (2) COPIES FOR EACH UNIT OF ALL MANUALS, MAINTENANCE INSTRUCTIONS, CONTRACTORS AND MANUFACTURER'S PRINTED WARRANTIES, AND INSTRUCTIONS FOR OPERATION OF ALL EQUIPMENT SPECIFIED HEREIN OR SHOWN ON DRAWINGS. TRAIN OWNER'S PERSONNEL IN USE OF BUILDING SYSTEMS.
f. TOUCH-UP MATERIAL: FURNISH OWNER WITH ONE GALLON OF EACH PAINT AND STAIN USED PER UNIT. PROVIDE AN ADDITIONAL 2 PERCENT OF QUANTITY INSTALLED OF ALL FINISH MATERIAL INCLUDING CEILING PANELS, TILE, AND SHEET GOODS.
g. SUBCONTRACTORS: PROVIDE THE OWNER THE NAMES, ADDRESSES, AND PHONE NUMBERS OF ALL SUBCONTRACTORS, FINAL UNCONDITIONAL LIEN RELEASES, AND WARRANTIES FROM EACH.
h. FINAL CLEANING AND REPAIRS: REMOVE TEMPORARY FACILITIES AND PROVIDE FINAL CLEANING AND TOUCH-UP, RESTORE PORTIONS OF BUILDING, SITE IMPROVEMENTS, LANDSCAPING AND OTHER ITEMS DAMAGED BY CONSTRUCTION OPERATIONS TO THE SATISFACTION OF THE ARCHITECT, AT NO ADDITIONAL EXPENSE TO THE OWNER.
i. CLOSEOUT DOCUMENTS: PROVIDE THE OWNER WITH A COMPACT DISK OF ALL RECORD DRAWINGS IN PDF FORMAT, COPY OF ALL SHOP DRAWINGS AND PRODUCT SUBMITTALS, SERVICE CONTRACTS, HVAC AIR BALANCE REPORT, AND WASTE/LEAK VIDEO INSPECTION REPORT.

SUBMITTALS/SUBSTITUTIONS

- 51. CONTRACTOR SHALL PROVIDE COMPLETE LIST OF SUBMITTALS TO ARCHITECT/OWNER WITHIN 1 WEEK OF OBTAINING BUILDING PERMIT.
52. ALL SUBMITTALS SHALL BE COMPLETE AND SUBMITTED WITHIN FIRST 90 DAYS OF WORK.
53. ALL ITEMS NOTED AS DESIGNED "BY MANUFACTURED" IS A DEFERRED DESIGN AND SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH MANUFACTURER FOR FINAL DESIGN AND SUBMIT FINAL DESIGN FOR APPROVAL. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL FIELD DIMENSIONS.
54. SOURCE QUALITY CONTROL: PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS, UNLESS MORE STRINGENT CRITERIA ARE SPECIFIED IN INDIVIDUAL SECTIONS. USE OF ANY SUPPLIER IS SUBJECT TO OWNER'S APPROVAL.
55. SUBSTITUTIONS: PROPOSALS FOR SUBSTITUTION OF MATERIALS, EQUIPMENT, AND METHODS WILL ONLY BE CONSIDERED WHEN ACCOMPANIED BY FULL AND COMPLETE TECHNICAL DATA AS WELL AS ANY OTHER INFORMATION REQUIRED TO EVALUATE THE PROPOSED SUBSTITUTION. SUBSTITUTIONS ARE UNACCEPTABLE UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT. IN THE EVENT OF SUBSTITUTION PROPOSALS AFTER THE CONTRACT HAS BEEN AWARDED, ALL SUCH PROPOSALS SHALL BE ACCOMPANIED BY SUBSTANTIAL COST SAVINGS FOR THE OWNER.



Architecture
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Land Planning
Construction Management

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6 APR 2026

STONE CREEK DENTAL

10509 RIVER HEIGHTS DRIVE, SUITE 203
SOUTH JORDAN, UT

PROJECT NO. 26-021

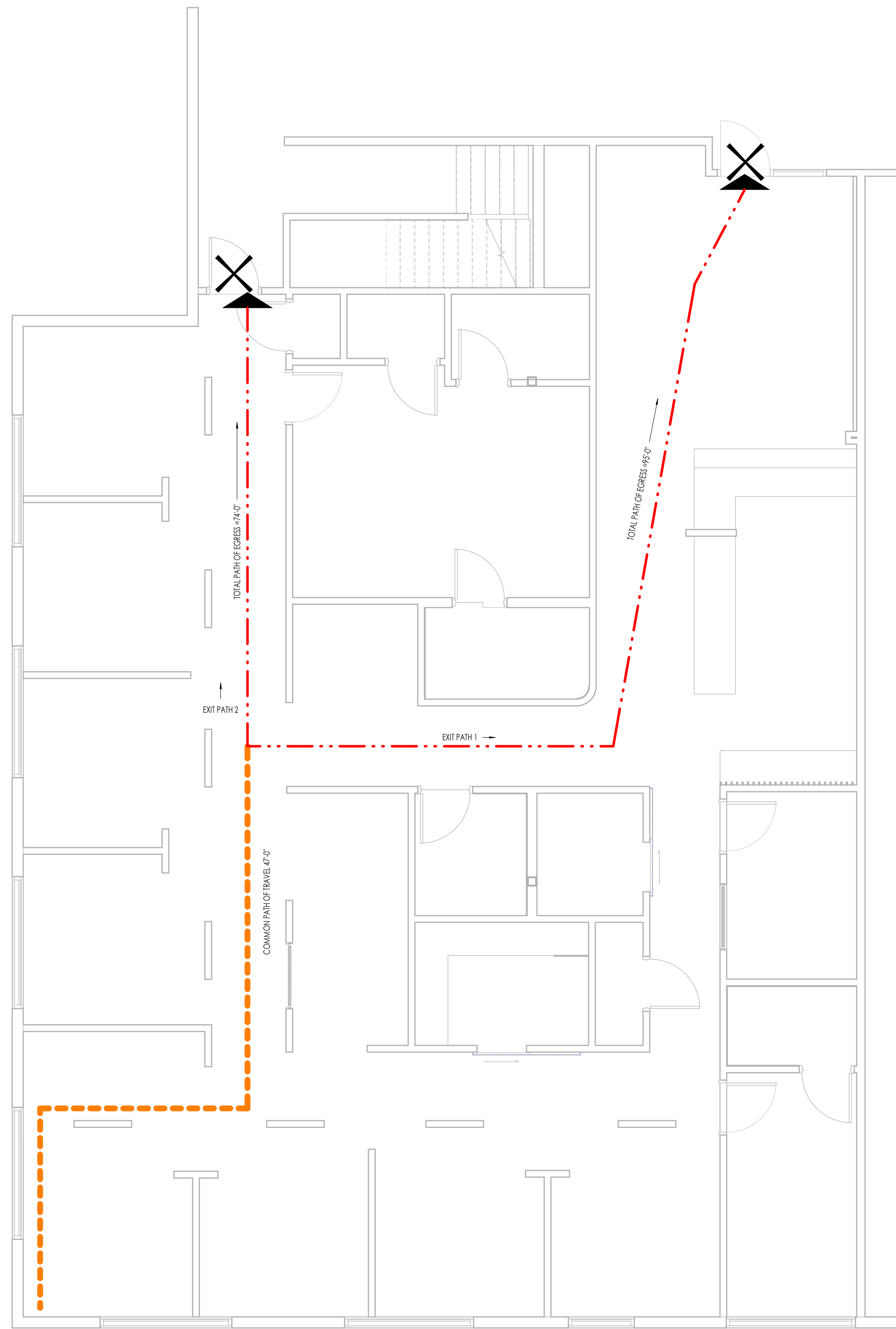
DATE: 6 APR 2026

REVISIONS:

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
G001

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### CODE ANALYSIS LEGEND

- (LOCATION SHOWN BY LARGE ARROW)  
166 OCC. — MAXIMUM OCCUPANT LOAD THRU EXIT  
3'-0" — MINIMUM REQUIRED EXIT WIDTH  
4'-0" — EXIT WIDTH PROVIDED
- 1 HOUR FIRE-RATED WALL OR PARTITION. SEE 2/A301.5/A101
- CPI — COMMON PATH OF TRAVEL AS PER IBC 1006.2.1
- ROOM NAME  
 OCCUPANCY GROUP  
 ROOM/AREA SQUARE FOOTAGE  
 OCCUPANT LOAD  
 OCCUPANCY LOAD FACTOR
- BUILDING REQUIRED EXIT
- GENERAL PATH OF EGRESS
- FE2 — NON-RATED SURFACE MOUNTED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER  
FIRE EXTINGUISHER - 4A: 40BC
- ROOMS WITH AN OCCUPANT LOAD OF 50 OR MORE IN GROUP A OCCUPANCY SHALL HAVE TWO EXITS AND ARE REQUIRED TO HAVE PANIC HARDWARE (IBC SECTION 1006.1.10)
- # — NUMBER OF OCCUPANTS IN EXIT ROUTE
- REQUIRED EXIT LIGHT LOCATIONS. SEE IBC SECTION 1011. (SHOWN ON ELECTRICAL DRAWINGS)
- ACCESSIBLE ELEMENT
- NON-ACCESSIBLE ELEMENT
- PANIC HARDWARE REQUIRED

### BUILDING CODE ANALYSIS

CONSTRUCTION TYPE	V B
AUTOMATIC FIRE SPRINKLER SYSTEM	YES
OCCUPANCY CLASSIFICATION:	OCCUPANCY: IBC CHAPTER 3: GROUP B
OCCUPANCY SEPARATIONS	NONE REQUIRED
PORTABLE FIRE EXTINGUISHERS	PER IBC 906.3: 2A-108C FIRE EXTINGUISHERS SHALL BE INSTALLED AT A 75' MAX TRAVEL DISTANCE.
OCCUPANCY LOAD:	TOTAL SQ FT: 3,240/150 = 22 OCCUPANTS
REQUIRED EXITS	REQUIRED NUMBER OF EXITS: IBC 1006.3.2, 1 REQUIRED EXIT PROVIDED: 2 EXITS

**PLUMBING FIXTURE ANALYSIS: IBC, Chapter 27**  
 (Number of plumbing fixtures required and provided)  
 Business Classification: 22 Occupants  
 Water Closets Required (1 per 25 (per gender) for first 50): 1 required, 2 provided  
 Lavatories required (1 per 40 (per gender) for first 80): 1 required, 2 provided  
 Drinking Fountains required: 1  
 Drinking Fountains provided: 1 (existing in building lobby)  
 Service Sinks required: 1  
 Service Sinks provided: 1

- ### GENERAL NOTES
- SEE G002 FOR COMPLETE WRITTEN CODE ANALYSIS & REVIEW - ALL AREAS SHOWN HERE ARE REFERENCED WITHIN CODE ANALYSIS.
  - SEE CODE ANALYSIS PLANS FOR THE LOCATION OF FIRE EXTINGUISHERS (FE-2).
  - REFER TO PARTITION AND ASSEMBLY SCHEDULE ON WALL TYPES AND FINISH PLANS.
  - PROVIDE TEMPORARY FIRE PROTECTION DURING CONSTRUCTION AS PER REQUIREMENTS OF THE INTERNATIONAL FIRE CODE.
  - CONCEALED INSULATING MATERIALS MUST HAVE A FLAME SPREAD RATING OF NO MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450. SEE IBC SECTION 720.2.
  - REFER TO ELECTRICAL DRAWINGS FOR EMERGENCY EXIT SIGNS AND LIGHTS.



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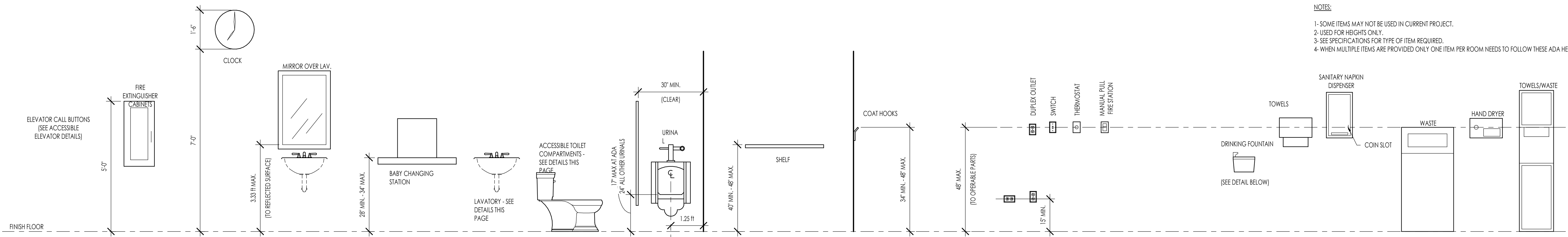


6 APR 2026

**STONE CREEK DENTAL**  
 10509 RIVER HEIGHTS DRIVE, SUITE 203  
 SOUTH JORDAN, UT

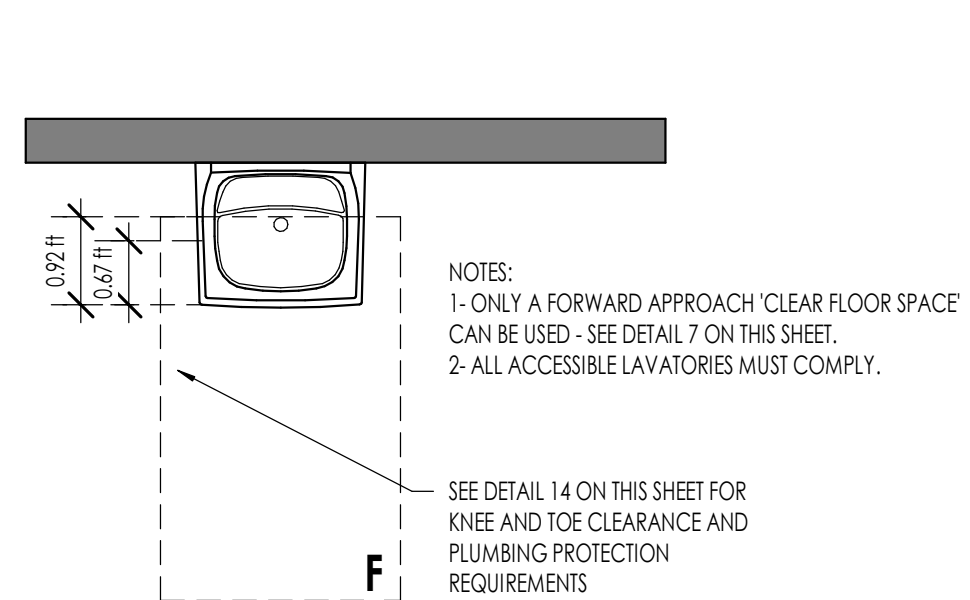
PROJECT NO. 26-021  
 DATE: 6 APR 2026  
 REVISIONS:

CONSTRUCTION DOCUMENTS  
 SHEET TITLE:  
**PLAN CODE ANALYSIS AND LIFE SAFETY PLAN**  
 SHEET NUMBER:  
**G002**  
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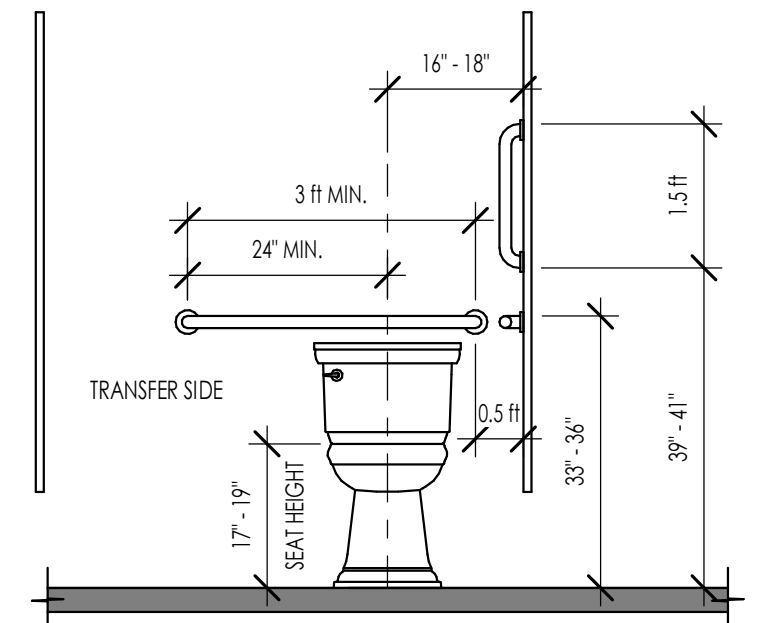


NOTES:  
 1- SOME ITEMS MAY NOT BE USED IN CURRENT PROJECT.  
 2- USED FOR HEIGHTS ONLY.  
 3- SEE SPECIFICATIONS FOR TYPE OF ITEM REQUIRED.  
 4- WHEN MULTIPLE ITEMS ARE PROVIDED ONLY ONE ITEM PER ROOM NEEDS TO FOLLOW THESE ADA HEIGHTS.

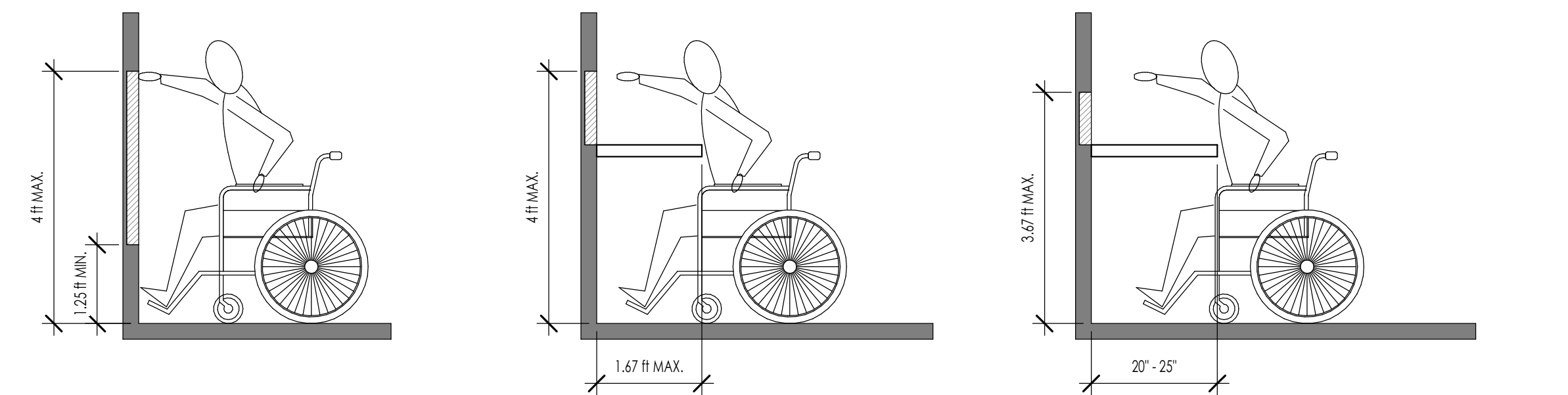
**ACCESSIBILITY - TYPICAL MOUNTING HEIGHTS**  
 1/2" = 1'-0"  
 G003



SECTION 606



SECTION 603 & 604.9



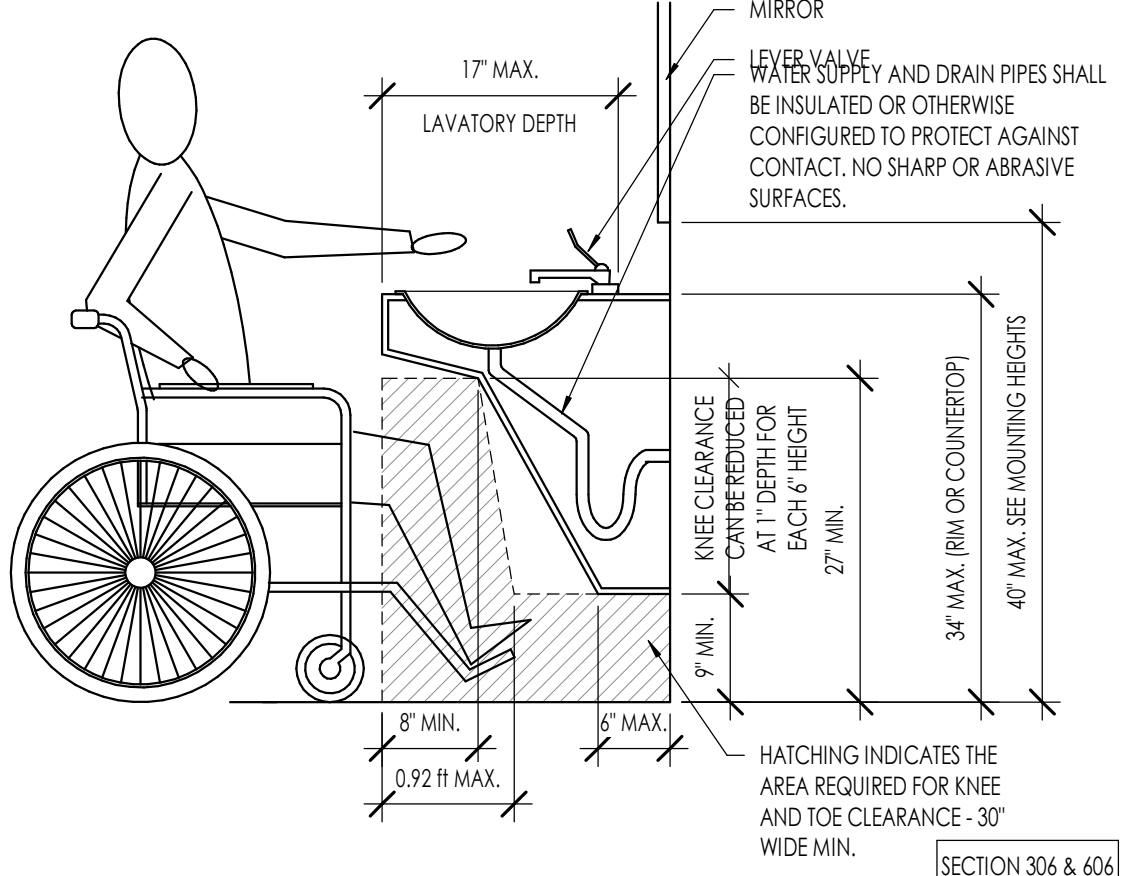
**A. UNOBSTRUCTED FORWARD REACH** **B. OBSTRUCTED HIGH FORWARD REACH** **C. OBSTRUCTED HIGH FORWARD REACH**

NOTES:  
 1- AREA REQUIRED FOR KNEE AND TOE CLEARANCE - 30" WIDE MIN.  
 2- IMAGES A-C REQUIRE A FORWARD CLEAR FLOOR SPACE - SEE DETAIL 7 ON THIS SHEET.



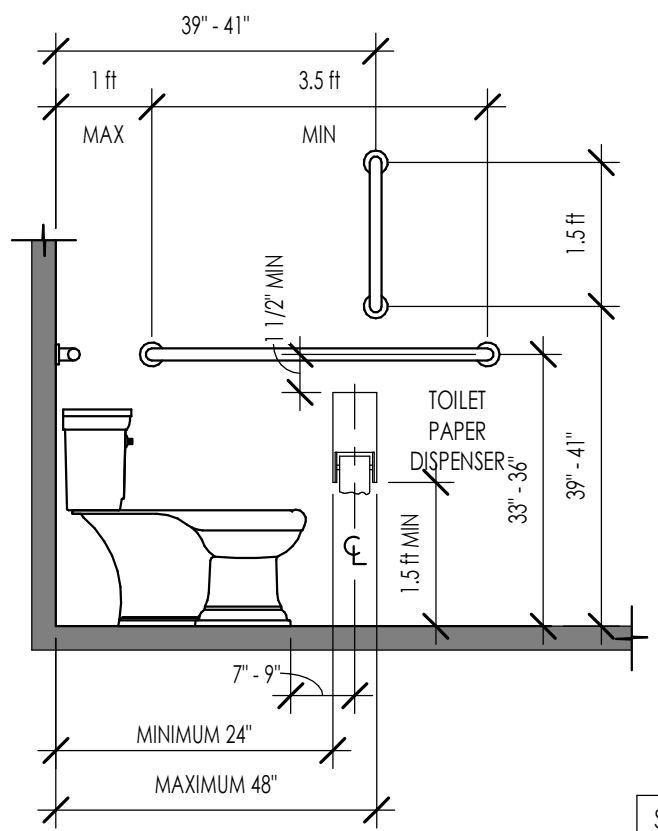
6 APR 2026

**PUBLIC LAVATORY**  
 1/2" = 1'-0"  
 G003



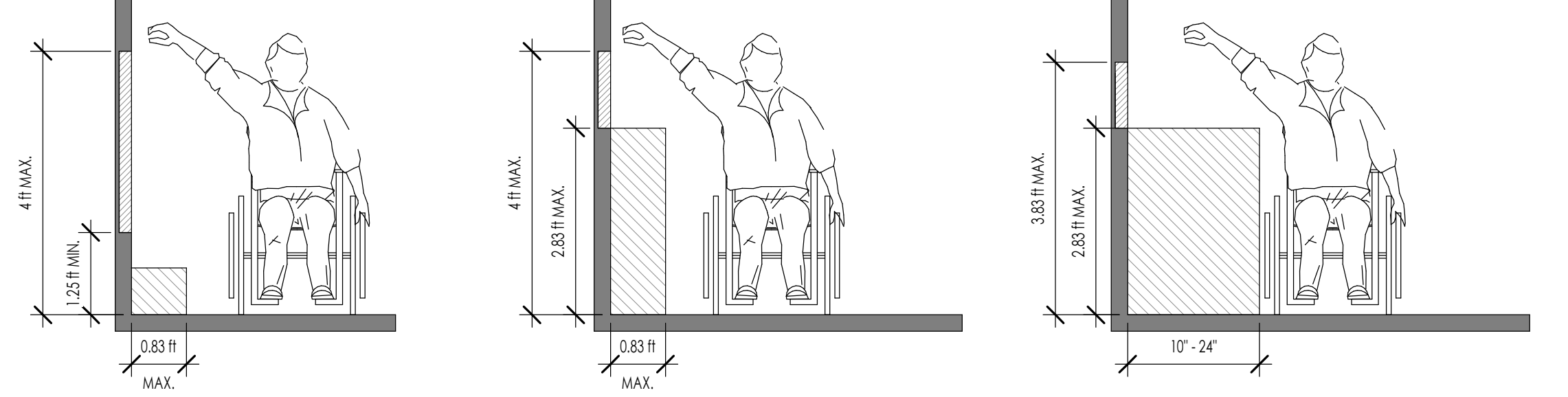
SECTION 306 & 606

**ACCESSIBLE STALLS**  
 1/2" = 1'-0"  
 G003



SECTION 603 & 604.9

**REACH RANGES FOR FORWARD REACH**  
 1/2" = 1'-0"  
 G003

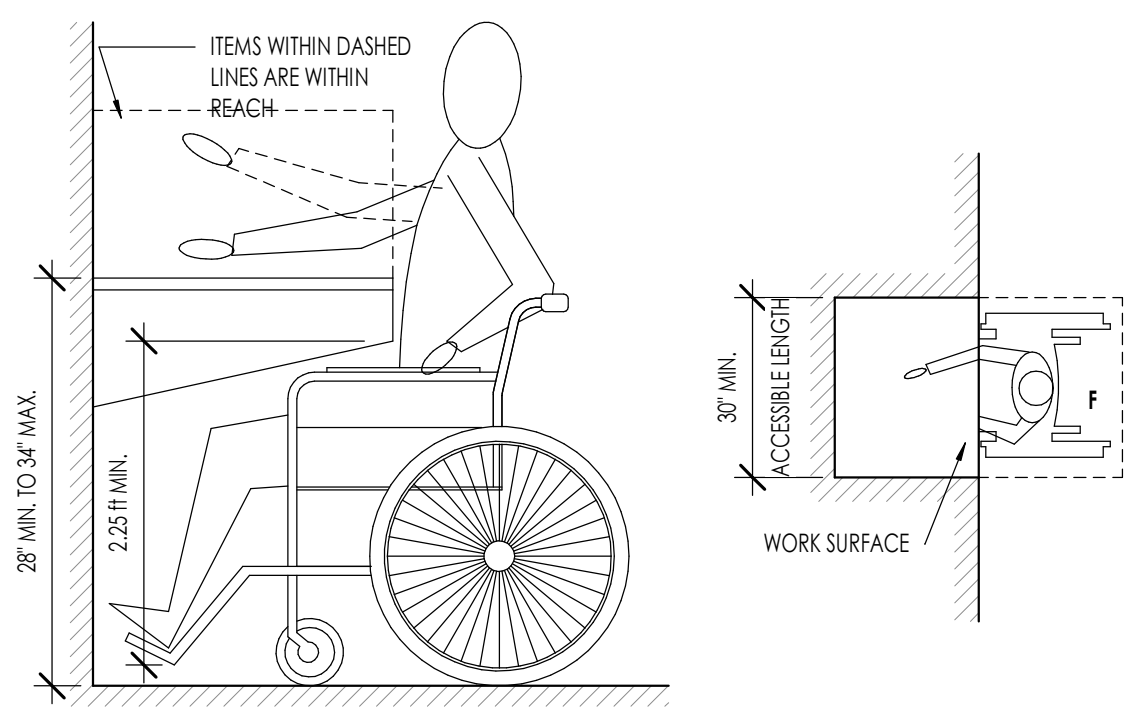


**A. UNOBSTRUCTED SIDE REACH** **B. OBSTRUCTED SIDE REACH** **C. OBSTRUCTED HIGH SIDE REACH**

NOTES:  
 1- AREA REQUIRED FOR KNEE AND TOE CLEARANCE - 30" WIDE MIN.  
 2- IMAGES A-C REQUIRE A PARALLEL CLEAR FLOOR SPACE - SEE DETAIL 13 ON THIS SHEET.

**PUBLIC LAVATORY**  
 3/4" = 1'-0"  
 G003

**REACH RANGES FOR SIDE REACH**  
 1/2" = 1'-0"  
 G003



SECTION 902

NOTES:  
 1- PROVIDE KNEE AND TOE CLEARANCES SIMILAR TO THOSE NOTED IN DETAIL 14 ON THIS SHEET.

**WORK SURFACE**  
 3/4" = 1'-0"  
 G003

**STONE CREEK DENTAL**

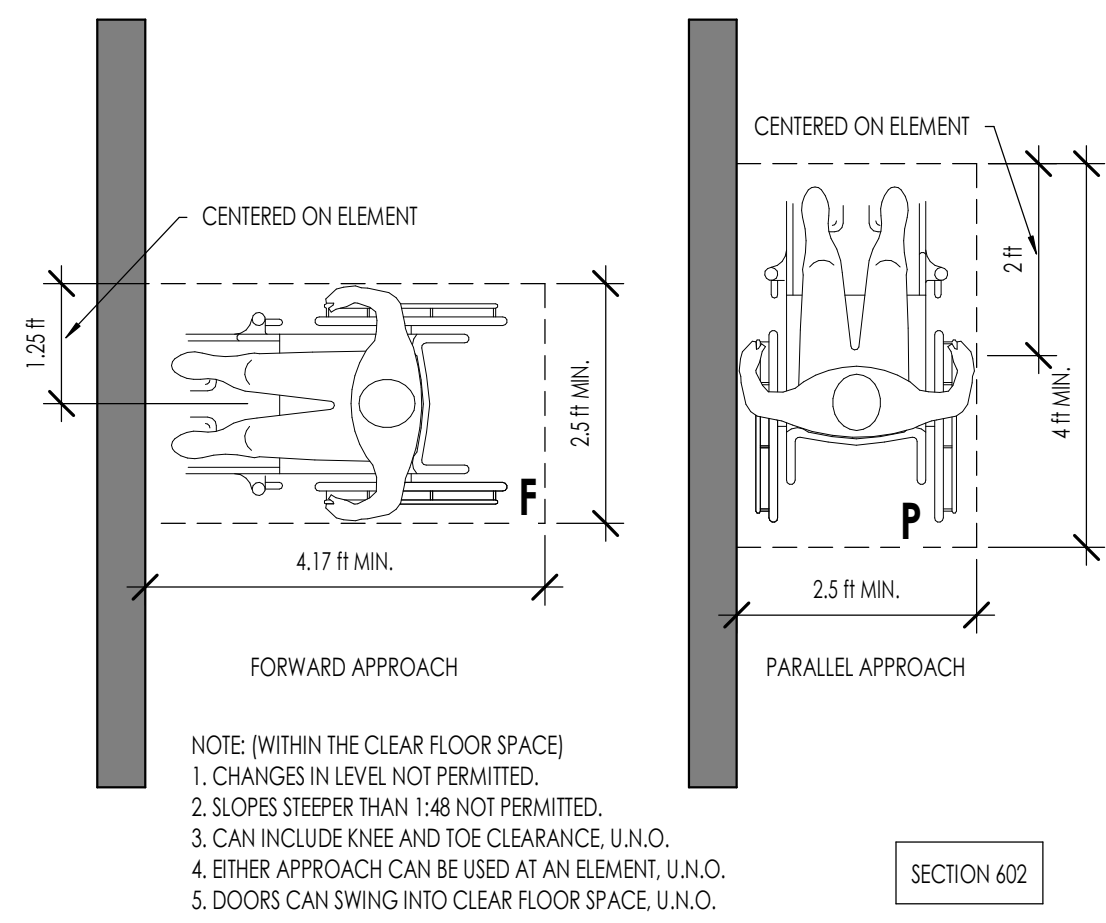
10509 RIVER HEIGHTS DRIVE, SUITE 203  
 SOUTH JORDAN, UT

PROJECT NO. 26-021  
 DATE: 6 APR 2026  
 REVISIONS:

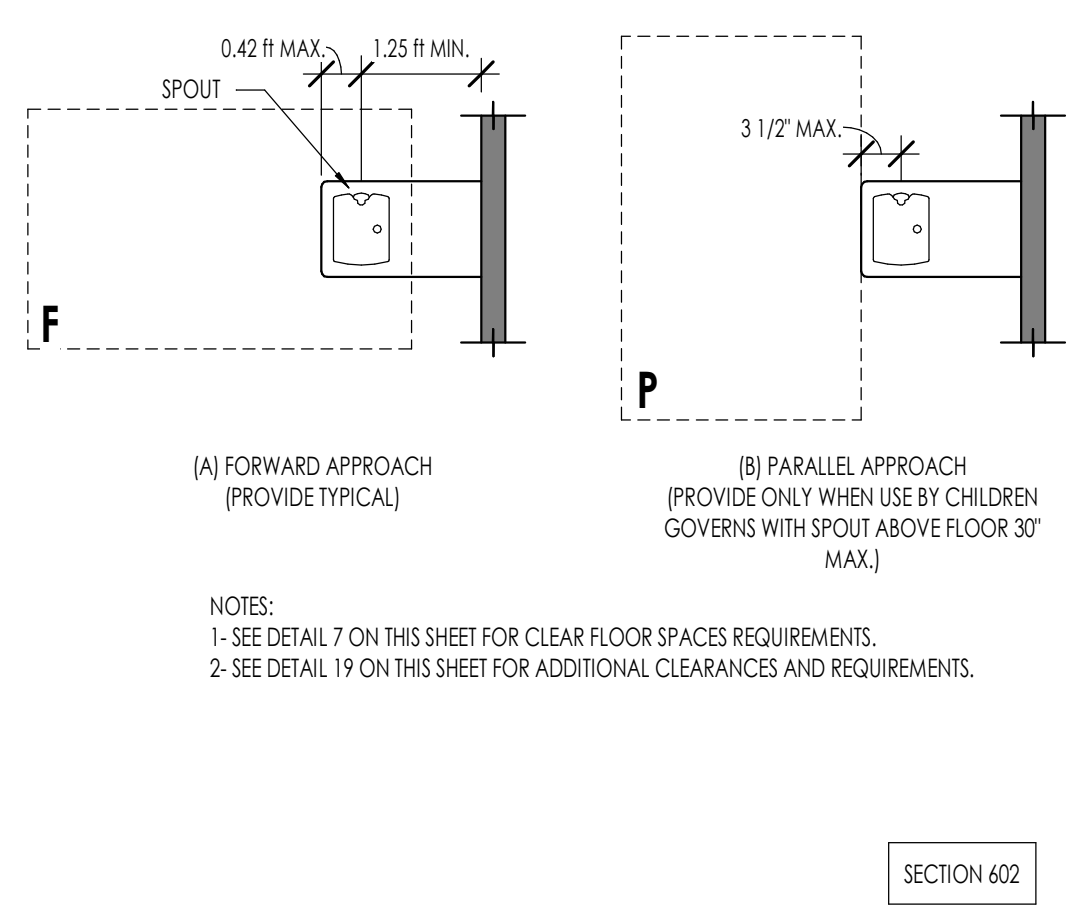
CONSTRUCTION DOCUMENTS  
 SHEET TITLE:  
 ACCESSIBILITY - PUBLIC SPACES  
 SHEET NUMBER:

**G003**

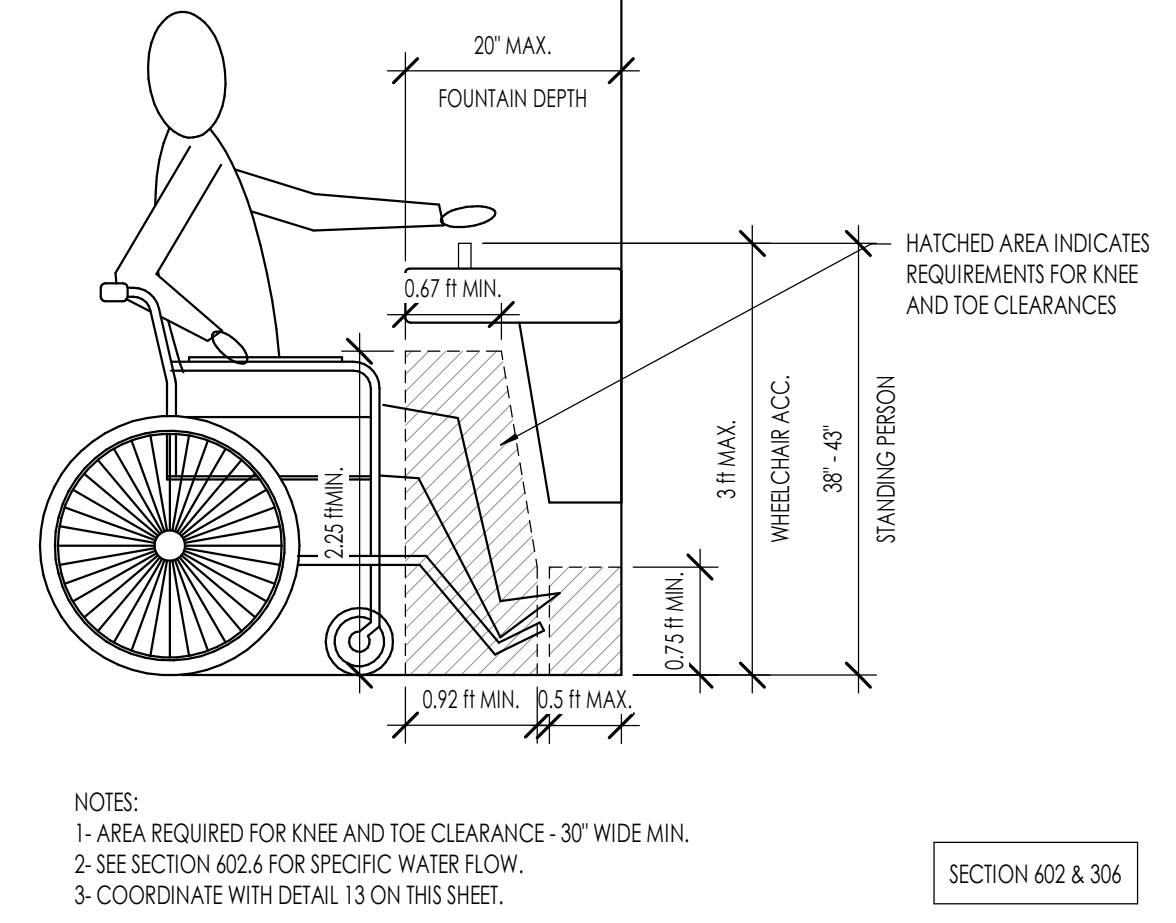
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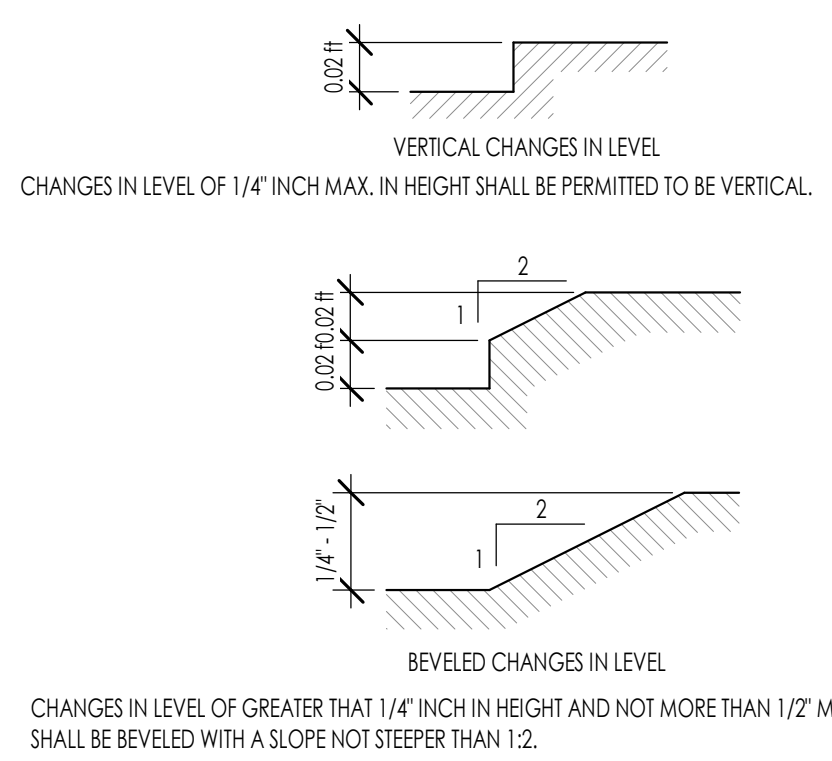
**1**  
G004  
1/2" = 1'-0"



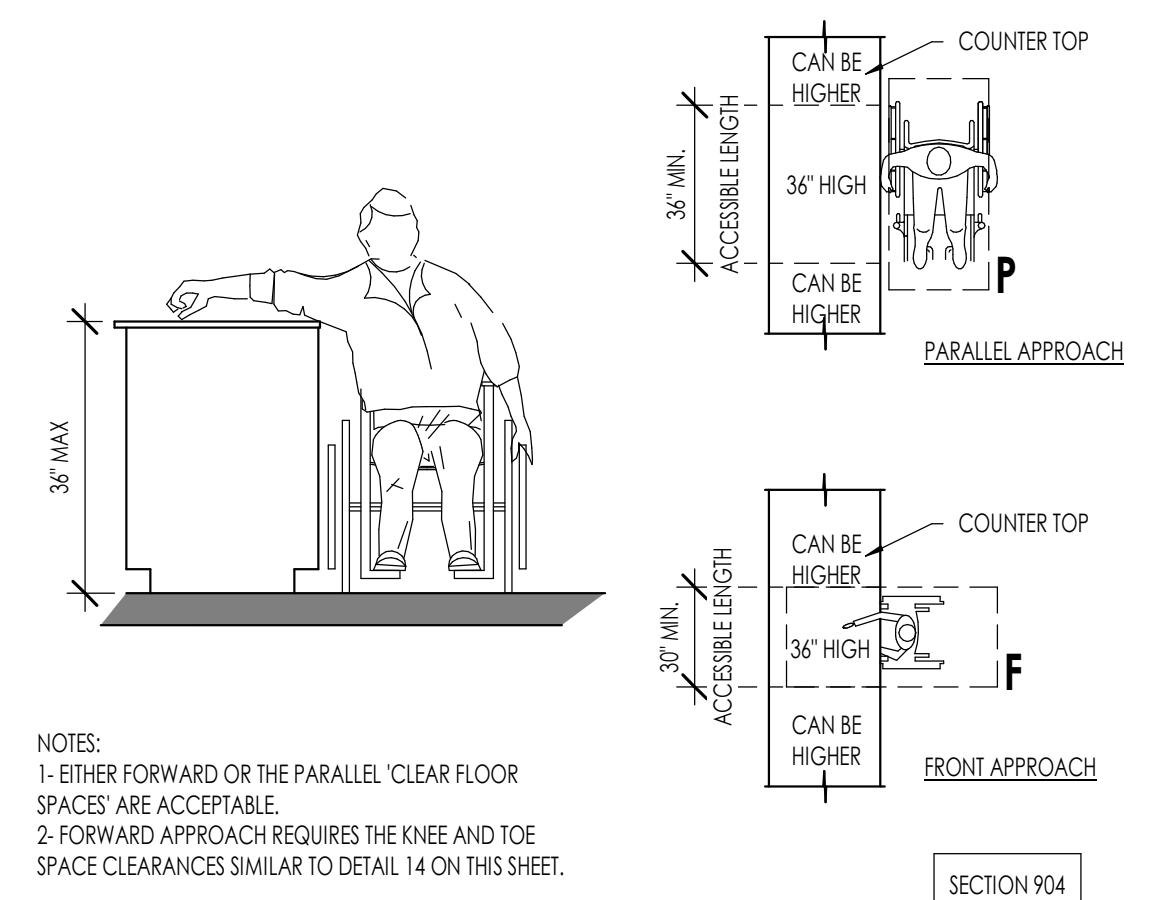
**2**  
G004  
1/2" = 1'-0"



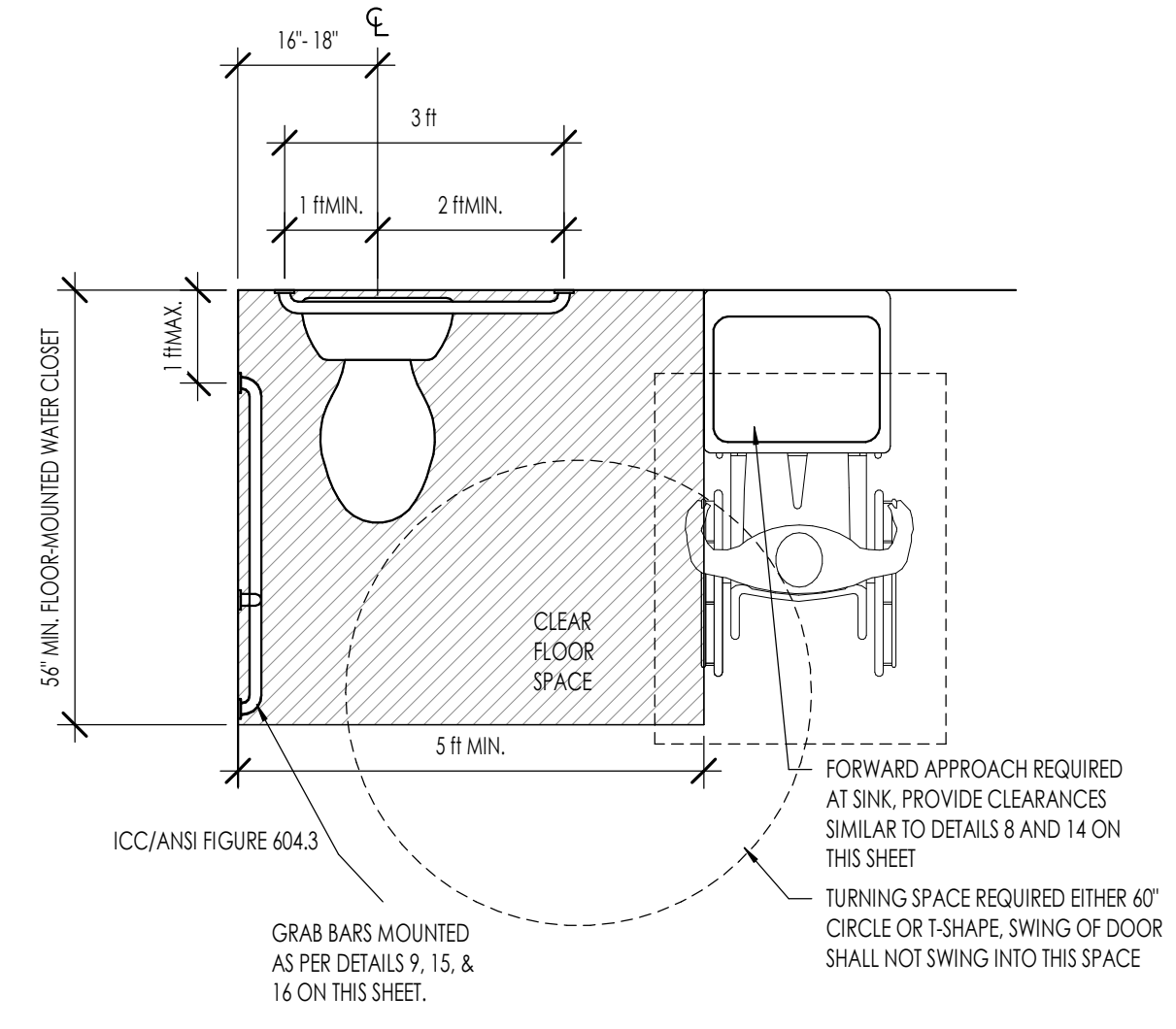
**3**  
G004  
3/4" = 1'-0"



**4**  
G004  
1/2" = 1'-0"



**5**  
G004  
1/2" = 1'-0"



**6**  
G004  
1/2" = 1'-0"



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**STONE CREEK DENTAL**

10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

PROJECT NO. 26-021  
DATE: 6 APR 2026  
REVISIONS:

CONSTRUCTION DOCUMENTS

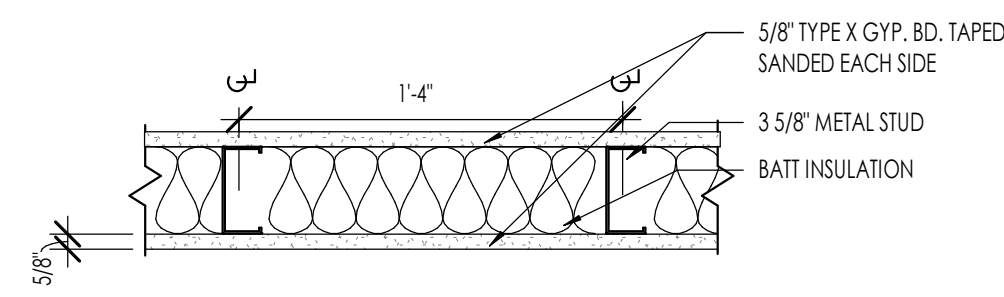
SHEET TITLE:  
ACCESSIBILITY - PUBLIC SPACES

SHEET NUMBER:  
**G004**

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**WALL TYPE C1**

1 HOUR RATED



**SYSTEM DESCRIPTION**  
3 5/8" 20 GAUGE METAL STUD WALL @ 16" O.C. W/ GYP. BOARD EXTENDED TO THE BOTTOM OF ROOF DECKING

**METAL STUDS:**  
-3 5/8" METAL STUDS, 20 GA. SPACED AT 16" O.C. U.N.O.

**GYP. BOARD:**  
-5/8" TYPE X GYPSUM BOARD, TAPED, SANDED, AND FINISHED AS SELECTED, BOTH SIDES  
-SEE FINISH SCHEDULE FOR FINISH SELECTED

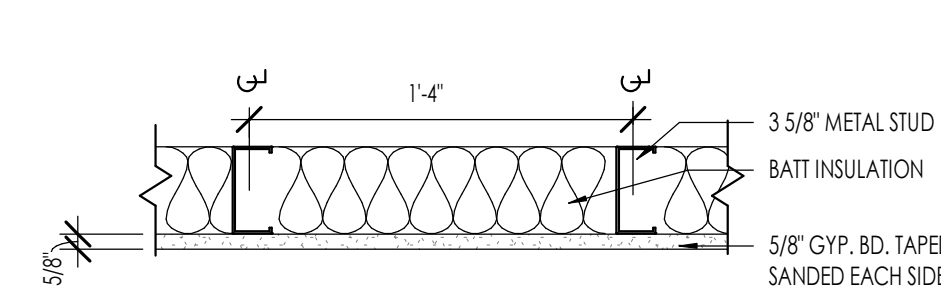
**BATTS AND BLANKETS:**  
-R-13 BATT INSULATION, FULL HEIGHT OF WALL TO BOTTOM OF DECK.  
-REFER TO INSULATION SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

**WALL TYPE C1**

1 1/2" = 1'-0"

1  
G005

**WALL TYPE C2**



**SYSTEM DESCRIPTION**  
3 5/8" 20 GAUGE METAL STUD WALL @ 16" O.C. W/ GYP. BOARD

**METAL STUDS:**  
-3 5/8" METAL STUDS, 20 GA. SPACED AT 16" O.C. U.N.O.

**GYP. BOARD:**  
-5/8" GYPSUM BOARD, TAPED, SANDED, AND FINISHED AS SELECTED.

**1 SIDE**  
-SEE FINISH SCHEDULE FOR FINISH SELECTED

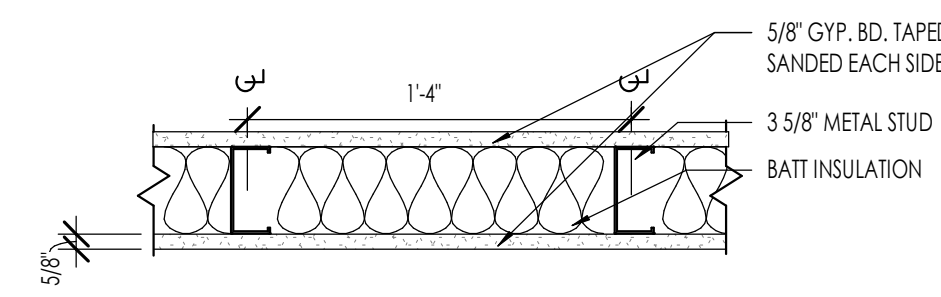
**BATTS AND BLANKETS:**  
-R-13 BATT INSULATION, FULL HEIGHT OF WALL  
-REFER TO INSULATION SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

**WALL TYPE C2**

1 1/2" = 1'-0"

2  
G005

**WALL TYPE C3**



**SYSTEM DESCRIPTION**  
3 5/8" 20 GAUGE METAL STUD WALL @ 16" O.C. W/ GYP. BOARD

**METAL STUDS:**  
-3 5/8" METAL STUDS, 20 GA. SPACED AT 16" O.C. U.N.O.

**GYP. BOARD:**  
-5/8" GYPSUM BOARD, TAPED, SANDED, AND FINISHED AS SELECTED.

**BOTH SIDES**  
-SEE FINISH SCHEDULE FOR FINISH SELECTED

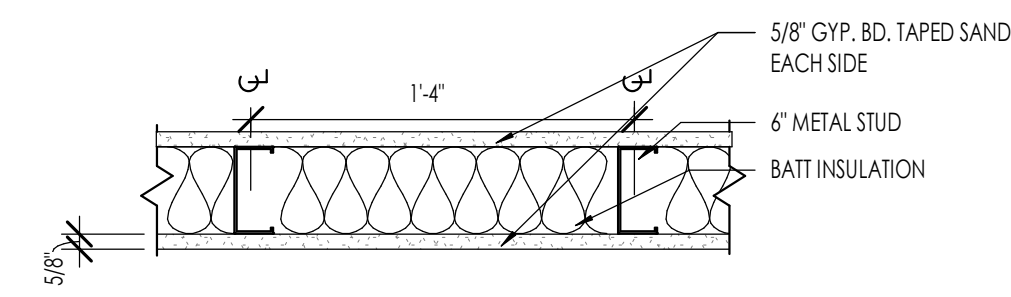
**BATTS AND BLANKETS:**  
-R-13 BATT INSULATION, FULL HEIGHT OF WALL  
-REFER TO INSULATION SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

**WALL TYPE C3**

1 1/2" = 1'-0"

3  
G005

**WALL TYPE C4**



**SYSTEM DESCRIPTION**  
6" 20 GAUGE METAL STUD WALL @ 16" O.C. W/ GYP. BOARD

**METAL STUDS:**  
-6" METAL STUDS, 20 GA. SPACED AT 16" O.C. U.N.O.

**GYP. BOARD:**  
-5/8" GYPSUM BOARD BOTH SIDES, TAPED, SANDED, AND FINISHED AS SELECTED.

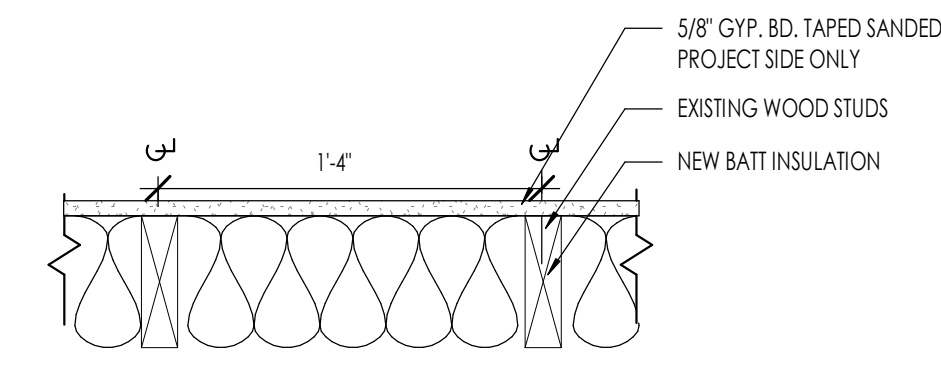
**BATTS AND BLANKETS:**  
-R-13 BATT INSULATION, FULL HEIGHT OF WALL TO BOTTOM OF DECK.  
-REFER TO INSULATION SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

**WALL TYPE C4**

1 1/2" = 1'-0"

4  
G005

**WALL TYPE C5**



**SYSTEM DESCRIPTION**  
2x6 WOOD STUD WALL @ 16" O.C. W/ GYP. BOARD EXTEND TO THE BOTTOM OF ROOF DECKING

**WOOD STUDS:**  
-2x6 WOOD STUDS SPACED AT 16" O.C. U.N.O.

**GYP. BOARD:**  
-5/8" GYPSUM BOARD ONE SIDE, TAPED, SANDED, AND FINISHED AS SELECTED. EXTEND TO THE BOTTOM OF ROOF DECKING

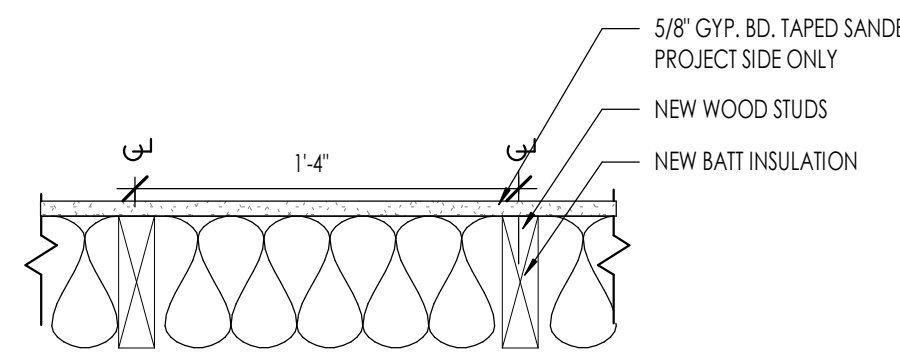
**BATTS AND BLANKETS:**  
-R-13 BATT INSULATION, FULL HEIGHT OF WALL TO BOTTOM OF DECK.  
-REFER TO INSULATION SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

**WALL TYPE C5**

1 1/2" = 1'-0"

5  
G005

**WALL TYPE C6**



**SYSTEM DESCRIPTION**  
2x6 WOOD STUD WALL @ 16" O.C. W/ GYP. BOARD EXTEND TO THE BOTTOM OF ROOF DECKING

**WOOD STUDS:**  
-2x6 WOOD STUDS SPACED AT 16" O.C. U.N.O.

**GYP. BOARD:**  
-5/8" GYPSUM BOARD ONE SIDE, TAPED, SANDED, AND FINISHED AS SELECTED. EXTEND TO THE BOTTOM OF ROOF DECKING

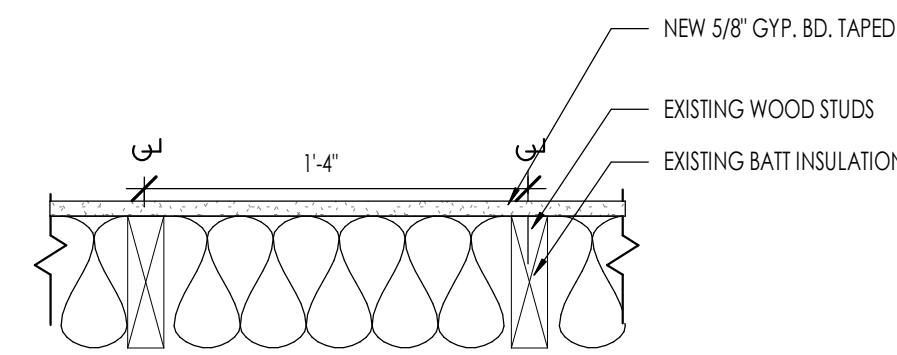
**BATTS AND BLANKETS:**  
-R-13 BATT INSULATION, FULL HEIGHT OF WALL TO BOTTOM OF DECK.  
-REFER TO INSULATION SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

**WALL TYPE C6**

1 1/2" = 1'-0"

6  
G005

**WALL TYPE C7**



**SYSTEM DESCRIPTION**  
EXISTING 2x6 WOOD STUD WALL

**WOOD STUDS:**  
-EXISTING 2x6 WOOD STUDS SPACED AT 16" O.C. U.N.O.

**GYP. BOARD (NEW):**  
-5/8" GYPSUM BOARD ONE SIDE, TAPED, SANDED, AND FINISHED AS SELECTED. EXTEND TO THE BOTTOM OF ROOF DECKING

**BATTS AND BLANKETS:**  
-EXISTING

**WALL TYPE C7**

1 1/2" = 1'-0"

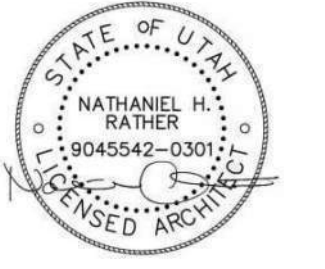
7  
G005



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**STONE CREEK DENTAL**

10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

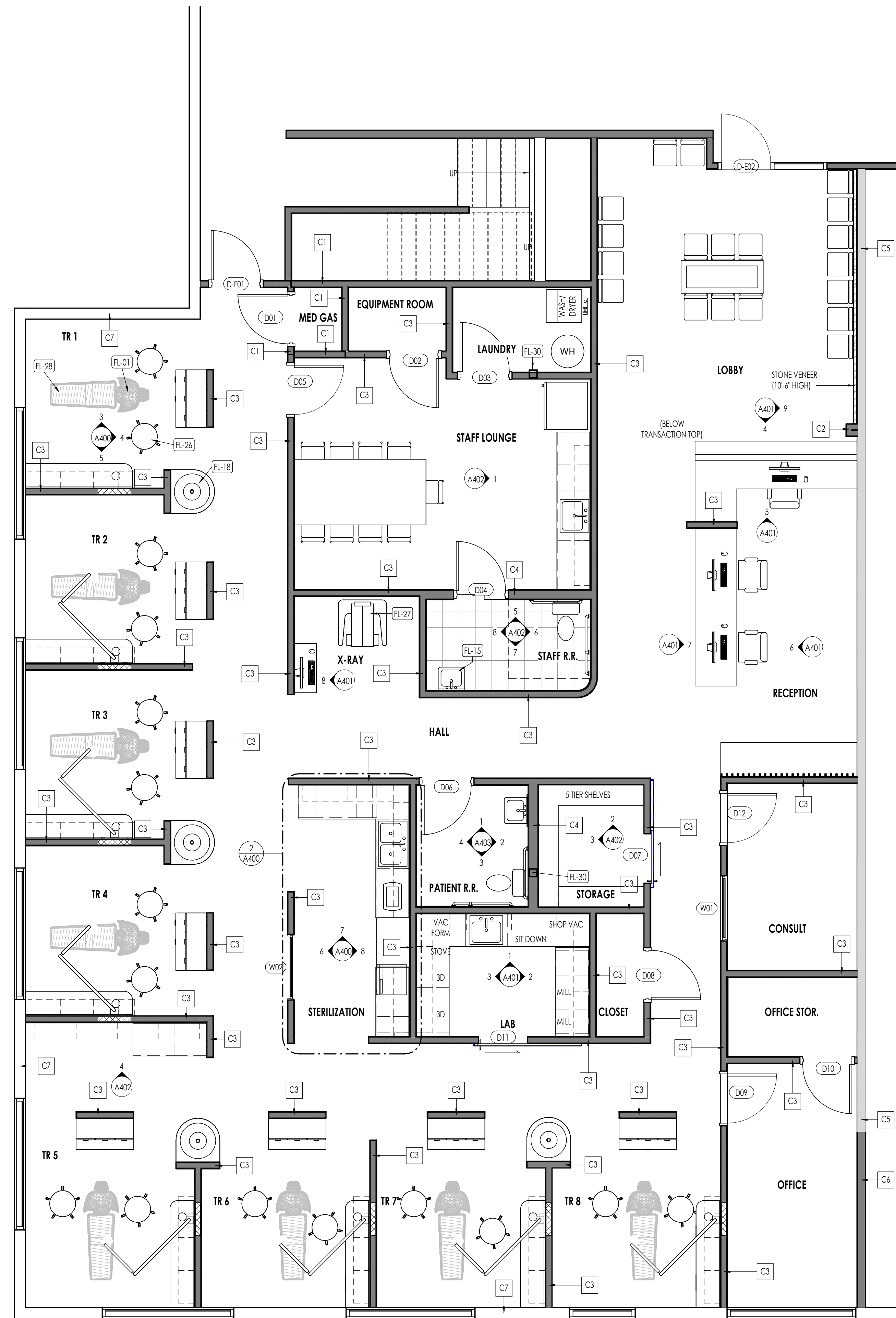
PROJECT NO. 26-021  
DATE: 6 APR 2026  
REVISIONS:

SHEET TITLE:  
WALL TYPE SCHEDULE

SHEET NUMBER:  
**G005**

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CONSTRUCTION DOCUMENTS



FLOOR PLAN  
1/4" = 1'-0"

1  
A101

FLOOR PLAN LEGEND	
HATCH PATTERN	DESCRIPTION
[Solid Grey]	EXISTING WALL
[Dotted Grey]	PROPOSED METAL STUD WALL
[Cross-hatched Grey]	AREA REQUIRING BLOCKING BETWEEN STUDS FROM 36" AFF UP TO 48" AFF

GENERAL NOTES	
1.	ANY SIGNAGE DEPICTED ON ELEVATIONS IS TO BE PERMITTED SEPARATELY, BY OWNER.
2.	ALL VERTICAL DIMENSIONS SHOWN ARE FROM FINISH FLOOR.
3.	COORDINATE WITH SIGNAGE PLANS REQUIRING STRUCTURAL BACKING IN STUCCO AND REQUIRED ELECTRICAL ROUGH-IN LOCATIONS.
4.	PROVIDE BACKING AT LOCATIONS WHERE EXTERIOR LIGHTS ARE SHOWN ON STUCCO. COORDINATE WITH LIGHT MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
5.	REPAIR ALL STUCCO WHERE DAMAGED. FILL IN AND REPAIR ANY AREAS WHERE SIGNAGE HAS BEEN REMOVED.

FLOOR PLAN GENERAL NOTES	
1.	ALL DIMENSIONS ARE TO INTERIOR FACE-OF-STUD (F.O.S.) UNLESS NOTED OTHERWISE.
2.	CEILING HEIGHTS MEASURED FROM PLYWOOD OR CONCRETE - SEE SECTIONS
3.	REFER TO ENLARGED PLANS FOR ALL UNIT DIMENSIONS, WINDOW TYPES, DOORS AND WALLS.
4.	REFER TO ENLARGED PLANS FOR ALL DECKS/PATIOS.
5.	COORDINATE WITH ALL ENLARGED PLANS FOR ADDITIONAL INFORMATION AND DETAILS.
6.	ALL TOPPING SLABS MUST BE POURED AFTER ROOF IS COMPLETE AND BUILDING IS DRIED IN.
7.	SEE SHEET A002 FOR PROJECT GENERAL NOTES AND SHEET A003 FOR PROJECT KEYNOTES. REVIEW ALL NOTES PRIOR TO CONSTRUCTION.
8.	COORDINATE WITH STRUCTURAL FRAMING PLANS AND SHEAR WALL PLANS FOR LOCATIONS OF COLUMNS, BEAMS, SHEAR WALLS, ETC.
9.	COORDINATE WITH BUILDER/OWNER FOR ALL INTERIOR FINISHES
10.	COORDINATE WITH ELECTRICAL DRAWINGS FOR ALL LIGHTING, POWER AND DATA REQUIREMENTS.
11.	ALL EXTERIOR WALLS ARE ASSUMED TO BE 2X4 STUD WALLS UNLESS SHOWN/NOTED OTHERWISE.
12.	ALL INTERIOR WALLS ARE ASSUMED TO BE 2X4 STUD WALLS UNLESS SHOWN/NOTED OTHERWISE.
13.	ALL ROOF TRUSSES TO HAVE RAISED ENERGY HEEL CONSTRUCTION TO ALLOW FOR FULL DEPTH INSULATION OVER EXTERIOR WALLS (COORDINATE INSULATION REQUIREMENTS WITH RESCHECKS).

SPECIFICATION KEYNOTE		INSTRUCTIONAL KEYNOTE	
#	KEY NOTE INFO	#	KEY NOTE INFO

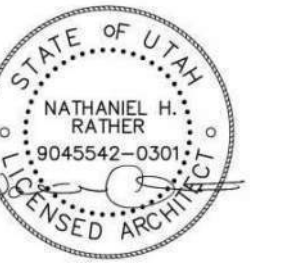
FLOOR PLAN KEYNOTES	
KEYNOTES	
FL-01	CONTRACTOR TO COORDINATE FLOOR PENETRATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS
FL-15	WALL MOUNTED SINK - SEE SPECIFICATIONS
FL-18	BASE CABINET WITH SINK - CONTRACTOR TO COORDINATE FLOOR PENETRATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS
FL-26	TREATMENT ROOM CHAIR
FL-27	PAN X-RAY - SEE SPECIFICATIONS
FL-28	DENTAL CHAIR - SEE SPECIFICATIONS
FL-30	STRUCTURAL COLUMN



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STONE CREEK DENTAL

10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

PROJECT NO. 26-021

DATE: 6 APR 2026

REVISIONS:

1

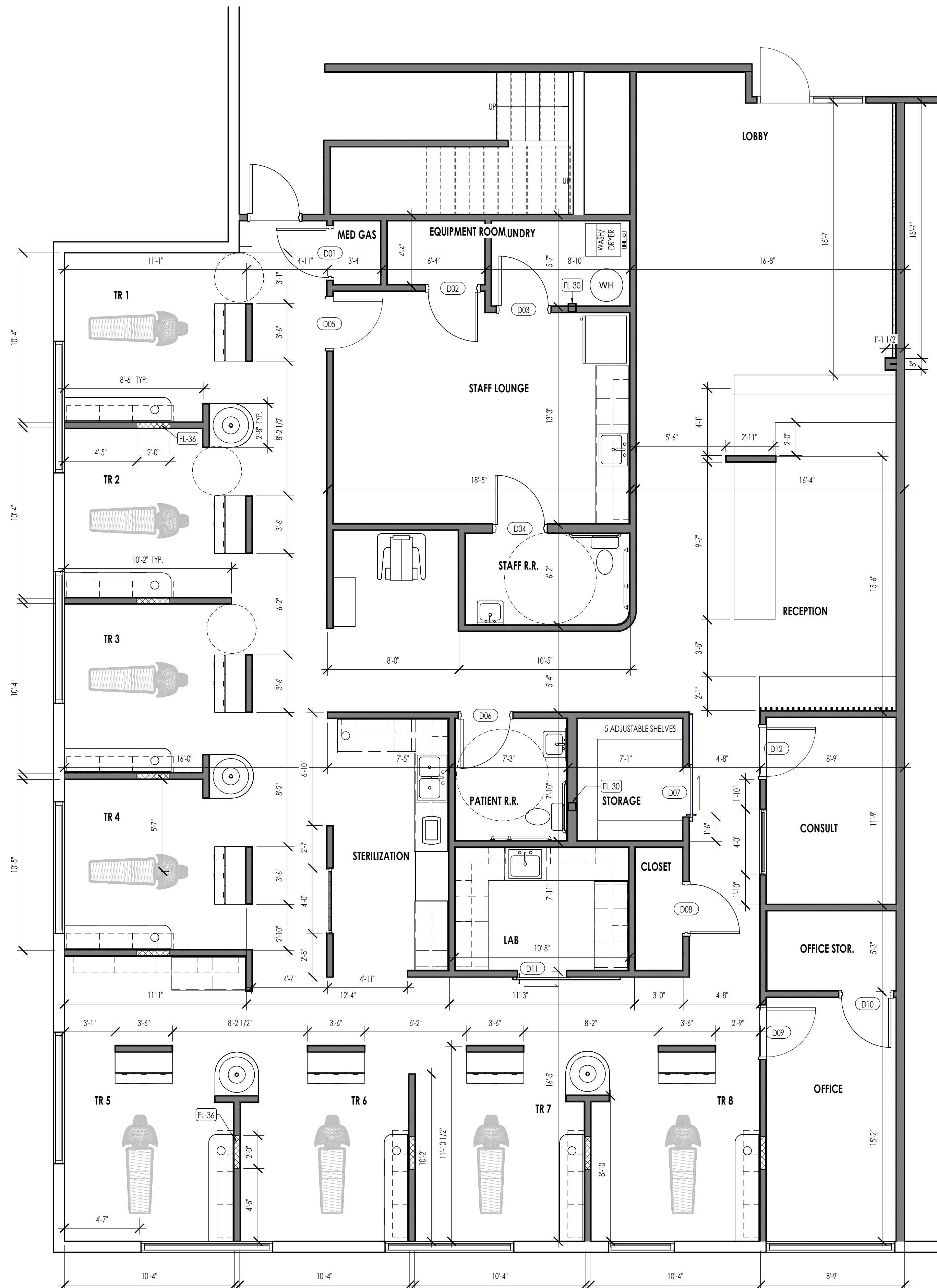
CONSTRUCTION DOCUMENTS

SHEET TITLE:  
FLOOR PLAN

SHEET NUMBER:

A101

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DIMENSION PLAN  
1/4" = 1'-0"

1  
A102

FLOOR PLAN LEGEND	
HATCH PATTERN	DESCRIPTION
[Solid Grey]	EXISTING WALL
[Dotted Grey]	PROPOSED METAL STUD WALL
[Cross-hatched Grey]	AREA REQUIRING BLOCKING BETWEEN STUDS FROM 36" AFF UP TO 48" AFF

GENERAL NOTES	
1.	ANY SIGNAGE DEPICTED ON ELEVATIONS IS TO BE PERMITTED SEPARATELY, BY OWNER.
2.	ALL VERTICAL DIMENSIONS SHOWN ARE FROM FINISH FLOOR.
3.	COORDINATE WITH SIGNAGE PLANS REQUIRING STRUCTURAL BACKING IN STUCCO AND REQUIRED ELECTRICAL ROUGH-IN LOCATIONS.
4.	PROVIDE BACKING AT LOCATIONS WHERE EXTERIOR LIGHTS ARE SHOWN ON STUCCO, COORDINATE WITH LIGHT MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
5.	REPAIR ALL STUCCO WHERE DAMAGED. FILL IN AND REPAIR ANY AREAS WHERE SIGNAGE HAS BEEN REMOVED.

FLOOR PLAN GENERAL NOTES	
1.	ALL DIMENSIONS ARE TO INTERIOR FACE-OF-STUD (F.O.S.) UNLESS NOTED OTHERWISE.
2.	CEILING HEIGHTS MEASURED FROM PLYWOOD OR CONCRETE - SEE SECTIONS
3.	REFER TO ENLARGED PLANS FOR ALL UNIT DIMENSIONS, WINDOW TYPES, DOORS AND WALLS.
4.	REFER TO ENLARGED PLANS FOR ALL DECKS/PATIOS.
5.	COORDINATE WITH ALL ENLARGED PLANS FOR ADDITIONAL INFORMATION AND DETAILS.
6.	ALL TOPPING SLABS MUST BE POURED AFTER ROOF IS COMPLETE AND BUILDING IS DRIED IN.
7.	SEE SHEET A002 FOR PROJECT GENERAL NOTES AND SHEET A003 FOR PROJECT KEYNOTES. REVIEW ALL NOTES PRIOR TO CONSTRUCTION.
8.	COORDINATE WITH STRUCTURAL FRAMING PLANS AND SHEAR WALL PLANS FOR LOCATIONS OF COLUMNS, BEAMS, SHEAR WALLS, ETC.
9.	COORDINATE WITH BUILDER/OWNER FOR ALL INTERIOR FINISHES
10.	COORDINATE WITH ELECTRICAL DRAWINGS FOR ALL LIGHTING, POWER AND DATA REQUIREMENTS.
11.	ALL EXTERIOR WALLS ARE ASSUMED TO BE 2X6 STUD WALLS UNLESS SHOWN/NOTED OTHERWISE.
12.	ALL INTERIOR WALLS ARE ASSUMED TO BE 2X4 STUD WALLS UNLESS SHOWN/NOTED OTHERWISE.
13.	ALL ROOF TRUSSES TO HAVE RAISED ENERGY HEEL CONSTRUCTION TO ALLOW FOR FULL DEPTH INSULATION OVER EXTERIOR WALLS (COORDINATE INSULATION REQUIREMENTS WITH RESCHECKS).

SPECIFICATION KEYNOTE	INSTRUCTIONAL KEYNOTE
#	#
KEY NOTE INFO	KEY NOTE INFO

FLOOR PLAN KEYNOTES	
KEYNOTES	
FL-30	STRUCTURAL COLUMN
FL-36	PROVIDE WALL BACKING BETWEEN STUDS AT 36" AFF UP TO 48" AFF



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STONE CREEK DENTAL

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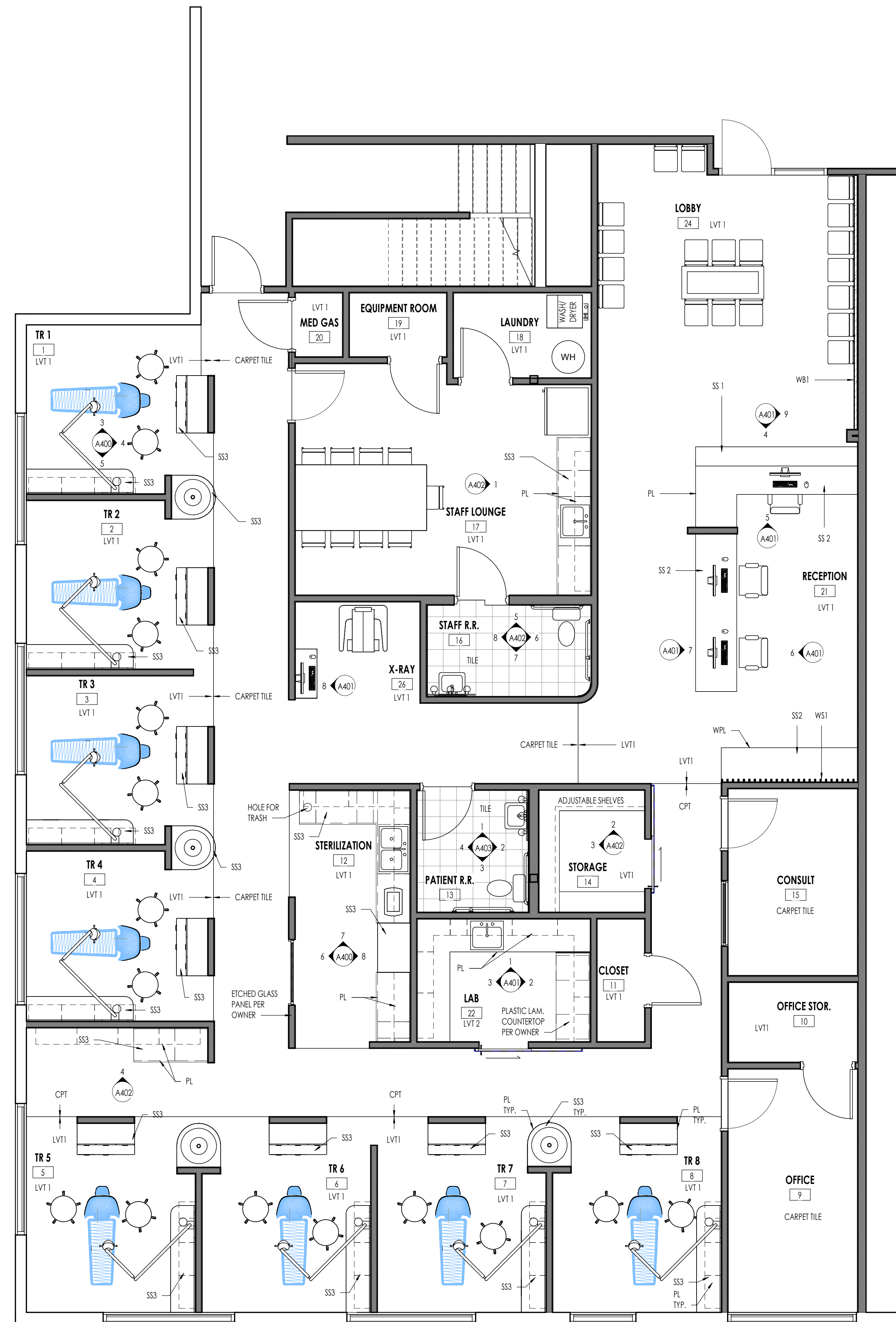
CONSTRUCTION DOCUMENTS

SHEET TITLE:  
DIMENSION PLAN

SHEET NUMBER:

A102

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LEVEL 1 - FINISH PLAN  
1/4" = 1'-0"

FINISH LEGEND - ROOM				
ROOM NAME	FINISH			Comments
	FLOOR	BASE	WALL	
TR 1				
TR 2				
TR 3				
TR 4				
TR 5				
TR 6				
TR 7				
TR 8				
OFFICE				
OFFICE STOR.				
CLOSET				
STERILIZATION				
PATIENT R.R.				
STORAGE				
CONSULT				
STAFF R.R.				
STAFF LOUNGE				
LAUNDRY				
EQUIPMENT ROOM				
MED GAS				
RECEPTION				
LAB				
LOBBY				
HALL				
X-RAY				

**FINISHES**

**COUNTERTOPS**  
 SOLID SURFACE 1 (SS1): TRANSACTION TOP - CAMBRIA SOUTHPORT  
 SOLID SURFACE 2 (SS2): WILSONART BEIGE TRAVERTINE 9236SS  
 SOLID SURFACE 3 (SS3): WILSONART WHITEWATER 9198EA  
 PLASTIC LAMINATE: LAB  
 4" SOLID SURFACE BACKSPASH TO MATCH COUNTERTOPS AT ALL AREAS.

**CABINETS**  
 (PL) - WILSONART PREMIUM LAMINATE: FAIRCHILD 8283K-05 - ALL CABINETS IN ALL ROOMS INCLUDING 12 O'CLOCK AND SIDE TABLES IN TREATMENT ROOMS, RECEPTION, STAFF, STERILIZATION, LAB.

**FLOORING**  
 LVT 1: MANNINGTON COMMERCIAL: COLLECTION = SPACIA - STYLE = WOOD - COLOR = POWDERED OAK; (SS3/W3311)  
 LVT2: TARKETT "LOCAL" COLLECTION: V-1913 SAND DOLLAR  
 CARPET: MOHAWK, ACADEMIC VIEW, 958 ECRU, ART EXPOSURE  
 CERAMIC TILE: AS PER OWNER

**DOOR HARDWARE**  
 BRUSHED STAINLESS STEEL LEVER (TO MATCH EXISTING DENTAL OFFICE)  
 CABINET HARDWARE: BRUSHED STAINLESS STEEL LEVER (TO MATCH EXISTING DENTAL OFFICE)

INSTALL ALL MATERIALS PER MANUFACTURER'S SPECIFICATIONS.

**PAINT:**  
 PAINT COLOR PER OWNER. SEMI GLOSS SHEEN.

**STAINS:**  
 RECEPTION WALL: STAIN COLOR TO MATCH WILSONART NEOWALNUT 7991K-28  
 CEILING BEAMS SHALL BE STAINED TO MATCH CABINERY (WILSONART FAIRCHILD 8283K-05)

**WALL FINISHES:**  
 WB-1: THIN VENEER BRICK, STYLE AS SELECTED BY OWNER  
 WS-1: WOOD SLAT WALL, 1"x3" STAINED WOOD BOARDS APPLIED VERTICALLY ON WALL. STAIN SHALL MATCH WILSONART FAIRCHILD 8283K-05

**NOTE:**  
 CONTRACTOR TO PROVIDE SAMPLES OF EACH MATERIAL FOR REVIEW AND APPROVAL BY OWNER PRIOR TO ORDERING OR INSTALLATION

**FLOOR FINISH/ELEVATION GENERAL NOTES**

1. CEILING HEIGHTS MEASURED FROM PLYWOOD OR CONCRETE.
2. REFER TO ENLARGED PLANS FOR ALL UNIT DIMENSIONS, WINDOW TYPES, DOORS AND WALLS.
3. REFER TO ENLARGED PLANS FOR ALL DECKS/ PATIOS.
4. COORDINATE WITH ALL ENLARGED PLANS FOR ADDITIONAL INFORMATION AND DETAILS.
5. ALL TOPPING SLABS MUST BE POURED AFTER ROOF IS COMPLETE AND BUILDING IS DRIED IN COMPLETELY.
6. SEE SHEET G002 FOR PROJECT GENERAL NOTES. REVIEW ALL NOTES PRIOR TO CONSTRUCTION.
9. COORDINATE WITH STRUCTURAL FRAMING PLANS AND SHEAR WALL PLANS FOR LOCATIONS OF COLUMNS, BEAMS, SHEAR WALLS, ETC.
10. COORDINATE WITH ELECTRICAL DRAWINGS FOR ALL LIGHTING, POWER AND DATA REQUIREMENTS.
11. CABINET INSTALLER TO REVIEW ALL ENLARGED FINISH PLANS, ELEVATIONS, AND CABINET SECTIONS. SEE CABINET SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

SPECIFICATION KEYNOTE	KEYNOTES	INSTRUCTIONAL KEYNOTE
#	KEY NOTE INFO	#

**FLOOR PLAN KEYNOTES**

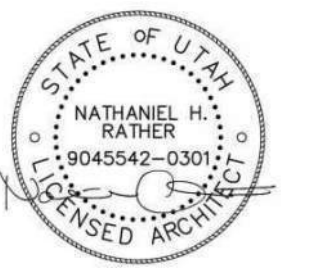
FLOOR PLAN KEYNOTES	



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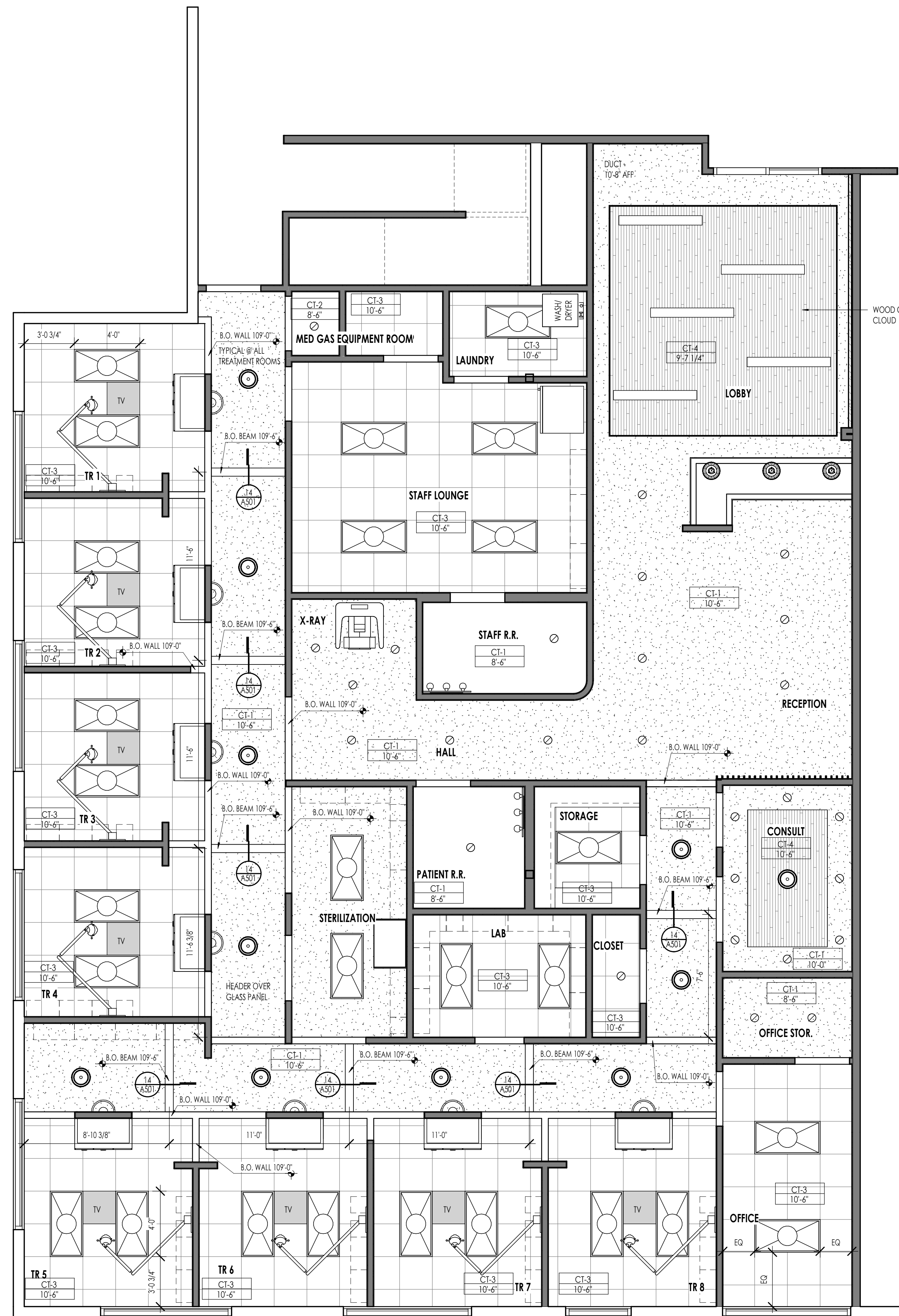
CONSTRUCTION DOCUMENTS

SHEET TITLE:  
 FINISH PLANS &  
 SCHEDULES

SHEET NUMBER:

**A103**

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REFLECTED CEILING PLAN MATERIAL LEGEND		
HATCH PATTERN	TYPE	DESCRIPTION
[Dotted Pattern]	CT-1	5/8" TYPE 'X' GYPSUM BOARD CEILING
[Cross-hatched Pattern]	CT-2	1 HOUR RATED (2) LAYERS 5/8" TYPE 'X' GYPSUM BOARD CEILING
[Grid Pattern]	CT-3	2X2 ACOUSTICAL PANEL CEILING AND GRID SYSTEM
[Vertical Line Pattern]	CT-4	TONGUE AND GROOVE WOOD CEILING
[Solid Grey]		PROVIDE BACKING FOR CEILING MOUNTED T.V. IN THIS AREA

- REFLECTED CEILING PLAN GENERAL NOTES**
- ALL DIMENSIONS ARE TO INTERIOR FACE-OF-STUD (F.O.S.) UNLESS NOTED OTHERWISE.
  - ALL CEILING HEIGHTS MEASURED FROM TOP OF PLYWOOD OR CONCRETE SLAB TO BOTTOM OF CEILING FRAMING, U.N.O. - SEE SECTIONS.
  - REFER TO ENLARGED PLANS FOR ALL UNIT DIMENSIONS, WINDOW TYPES, DOORS AND WALLS.
  - REFER TO ENLARGED PLANS FOR ALL DECKS.
  - COORDINATE WITH ALL ENLARGED PLANS FOR ADDITIONAL INFORMATION AND DETAILS.
  - SEE SHEET G002 FOR PROJECT SPECIFICATION LIST. REVIEW ALL NOTES PRIOR TO CONSTRUCTION.
  - COORDINATE WITH ELECTRICAL DRAWINGS FOR ALL LIGHTING, POWER AND DATA REQUIREMENTS.
  - ALL INTERIOR FINISHES ARE NOTED FOR CONCEPT ONLY. SEE INTERIOR DRAWINGS FOR MATERIAL SPECIFICATIONS, COLORS, PATTERNS, AND OTHER REQUIREMENTS PRIOR TO INSTALLATION.
  - SEE E.E. FOR EXISTING LIGHTS.

CEILING TAG SYMBOL	DESCRIPTION	CEILING TAG SYMBOL	DESCRIPTION
[Symbol]	CEILING TYPE	[Symbol]	CEILING TYPE
[Symbol]	HEIGHT	[Symbol]	SLOPE REFER TO SECTION

**REFLECTED CEILING PLAN KEYNOTES**

KEYNOTES

REFLECTED CEILING PLAN  
1/4" = 1'-0"



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STATE OF UTAH  
NATHANIEL H. BARTHER  
9045542-0301  
LICENSED ARCH.  
6 APR 2026

**STONE CREEK DENTAL**  
10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

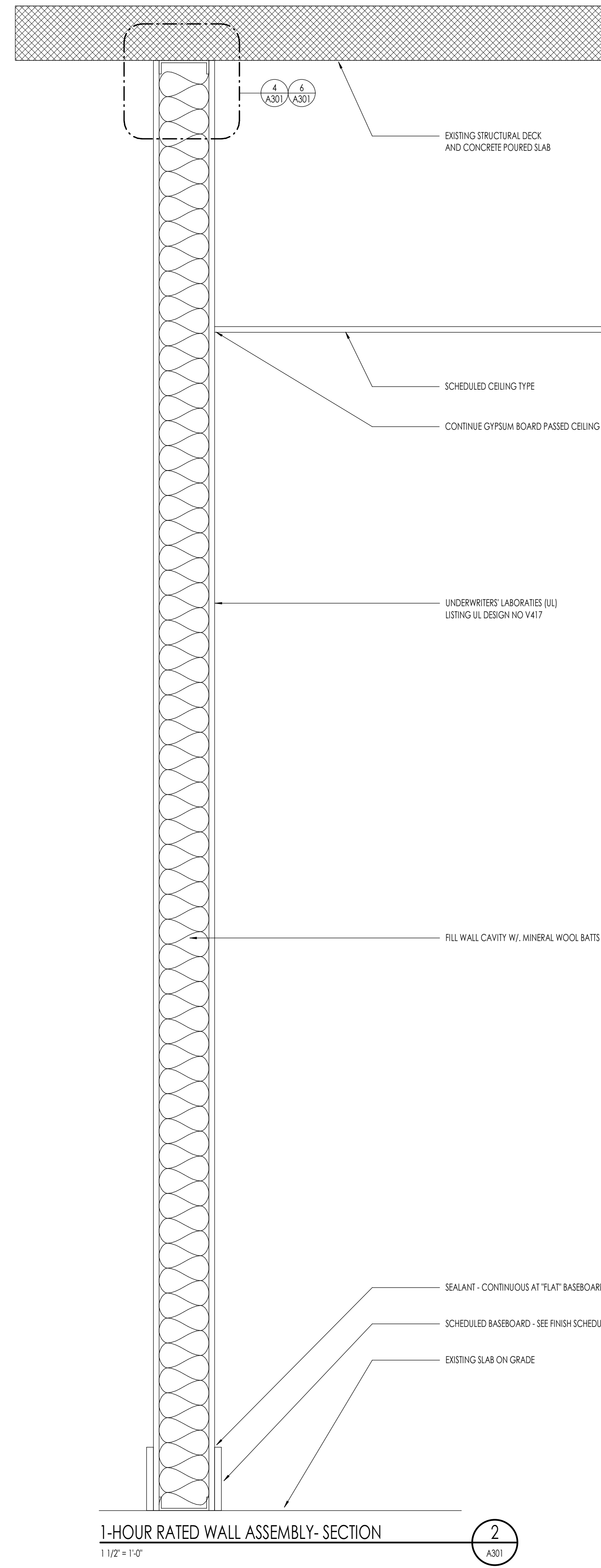
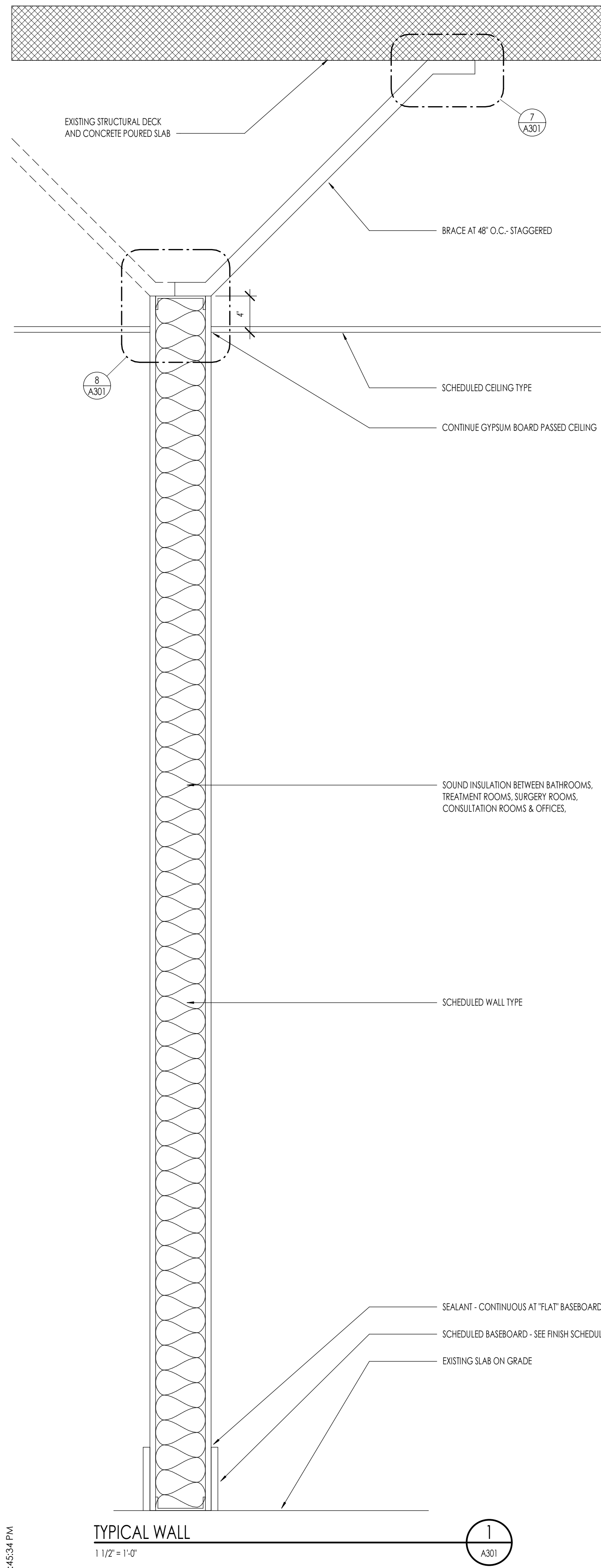
PROJECT NO. 26-021  
DATE: 6 APR 2026  
REVISIONS:

CONSTRUCTION DOCUMENTS

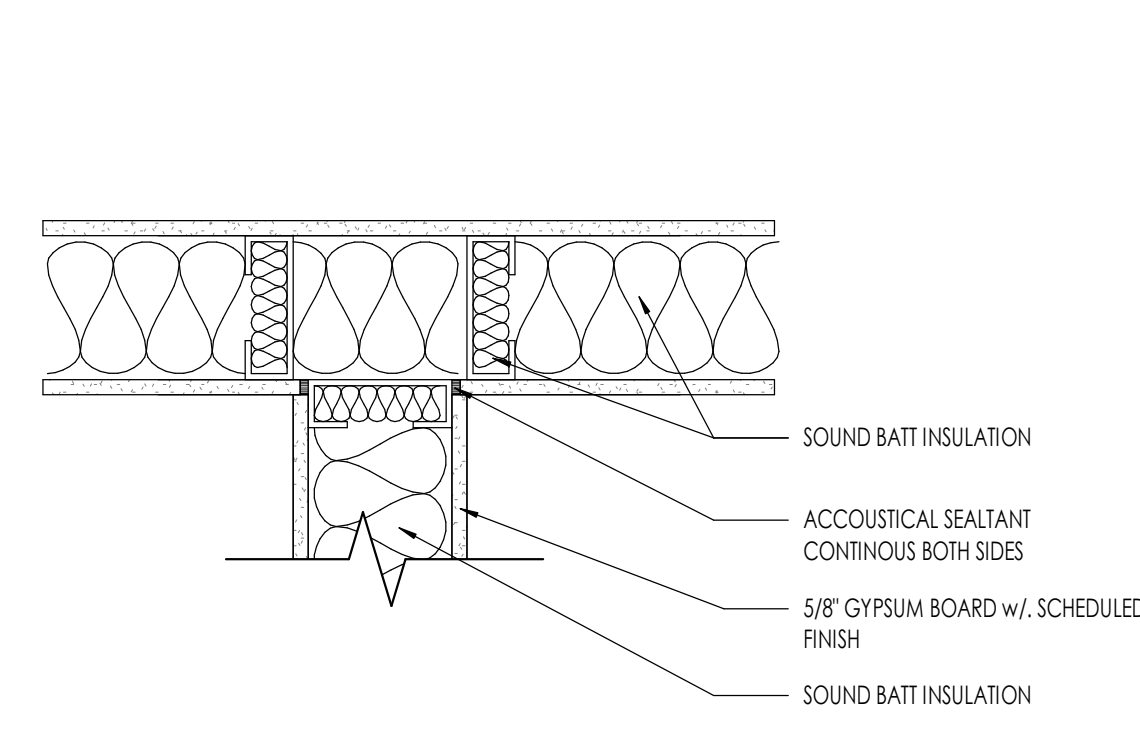
SHEET TITLE:  
REFLECTED CEILING PLAN

SHEET NUMBER:  
**A105**

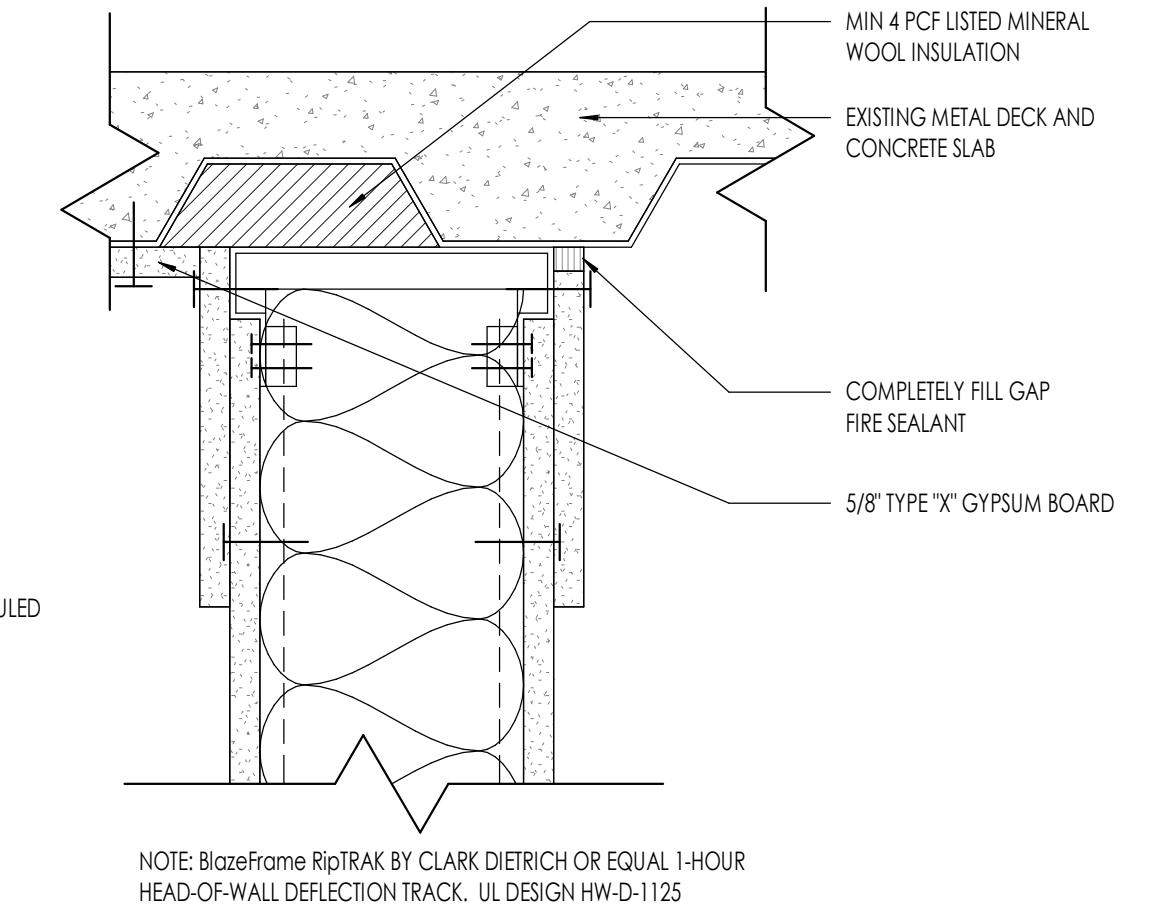
© 2025 THINK ARCHITECTURE INC.



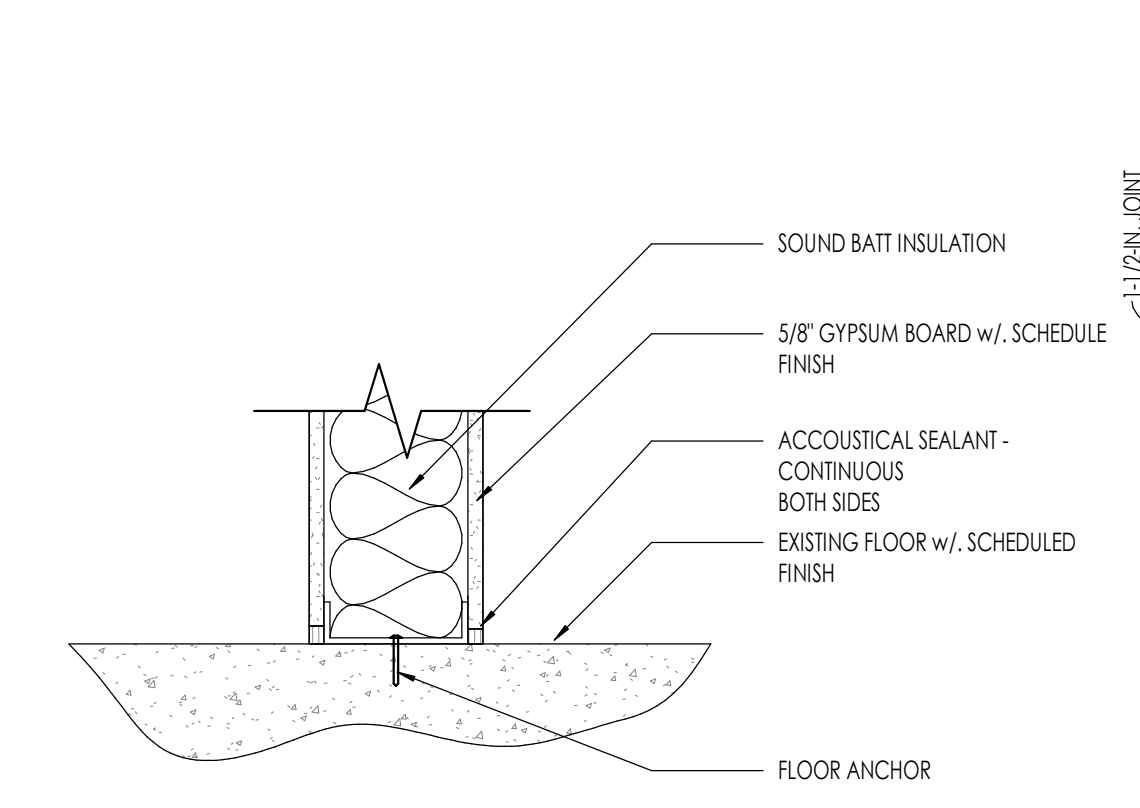
UL DESIGN U419 - 1-HOUR WALL ASSEMBLY



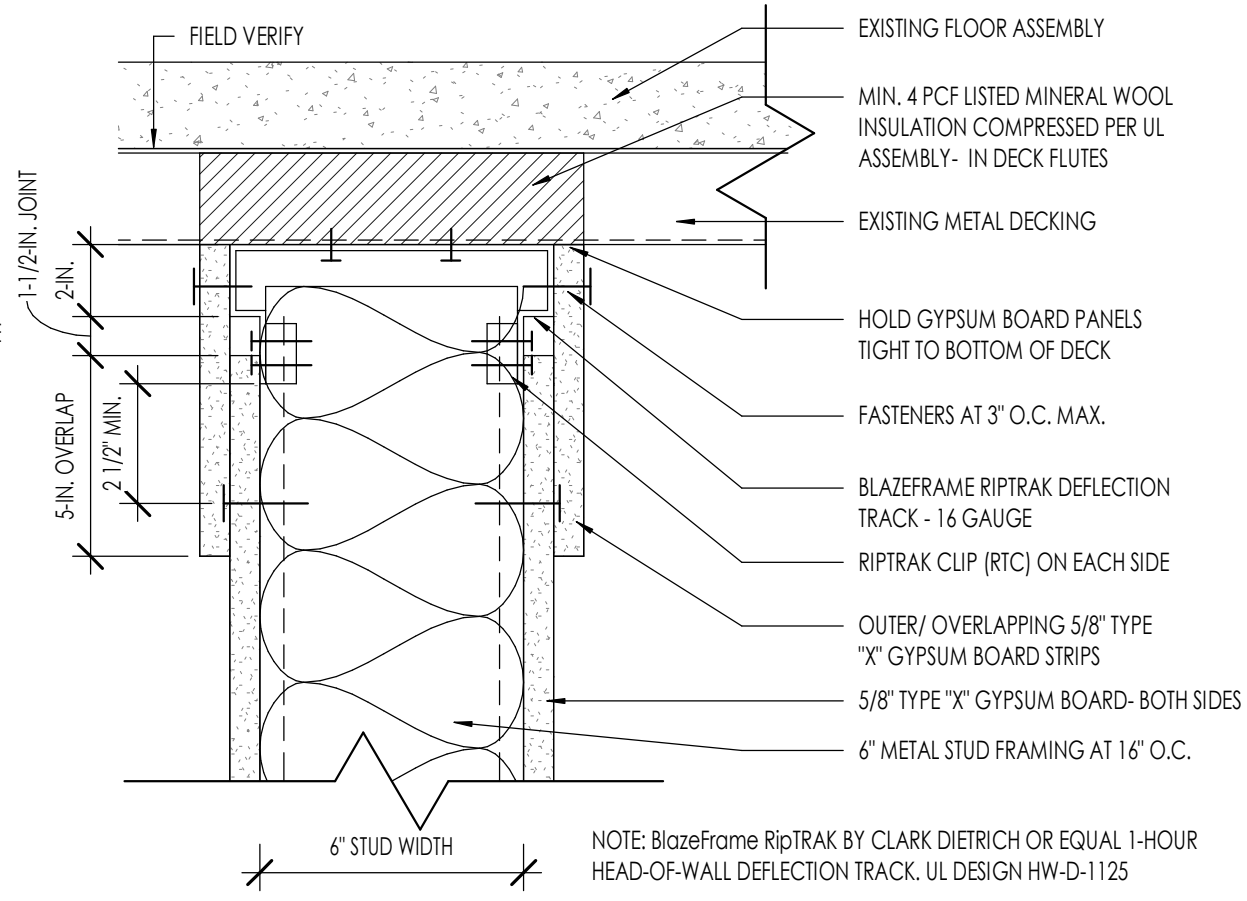
**CORNER WALL - DETAIL**  
1 1/2" = 1'-0"



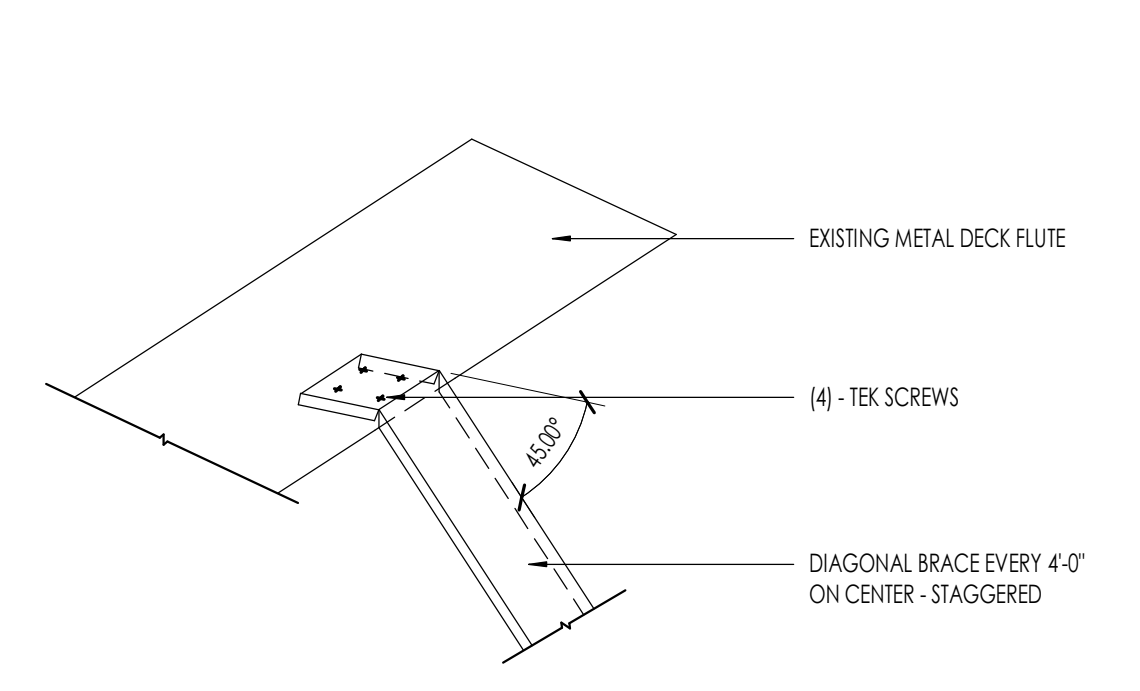
**FIRE TRACK DETAIL - PARALLEL W/. DECK FLUTES**  
3" = 1'-0"



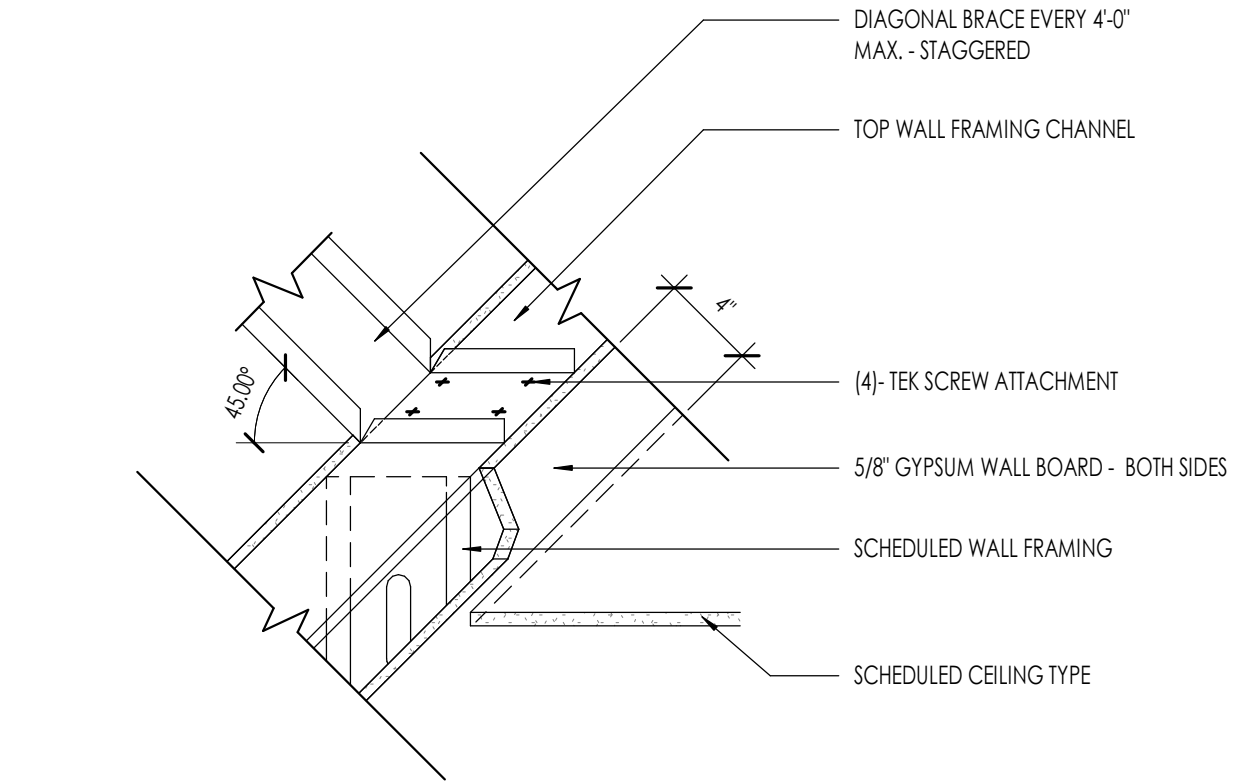
**FLOOR WALL - DETAIL**  
1 1/2" = 1'-0"



**FIRE TRACK DETAIL - PERPENDICULAR W/. DECK FLUTES**  
3" = 1'-0"



**SEISMIC BRACE DETAIL- DECK ATTACHMENT**  
1 1/2" = 1'-0"



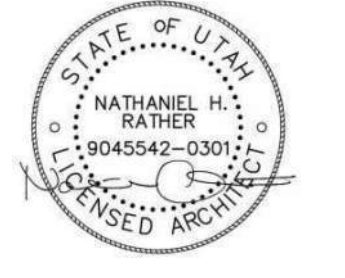
**SEISMIC BRACE DETAIL- TOP OF WALL**  
1 1/2" = 1'-0"



**Think**  
Architecture  
Interior Design  
Landscape Architecture  
Land Planning  
Construction Management

7927 High Point Parkway, Suite 300  
Sandy, Utah 84094  
ph. 801.269.0055  
thinkaec.com

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10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

PROJECT NO. 26-021  
DATE: 6 APR 2026  
REVISIONS:

CONSTRUCTION DOCUMENTS

SHEET TITLE:  
**WALL SECTIONS**

SHEET NUMBER:  
**A301**

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4/24/2026 2:46:34 PM





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6 APR 2026

STONE CREEK DENTAL

10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

PROJECT NO. 26-021

DATE: 6 APR 2026

REVISIONS:

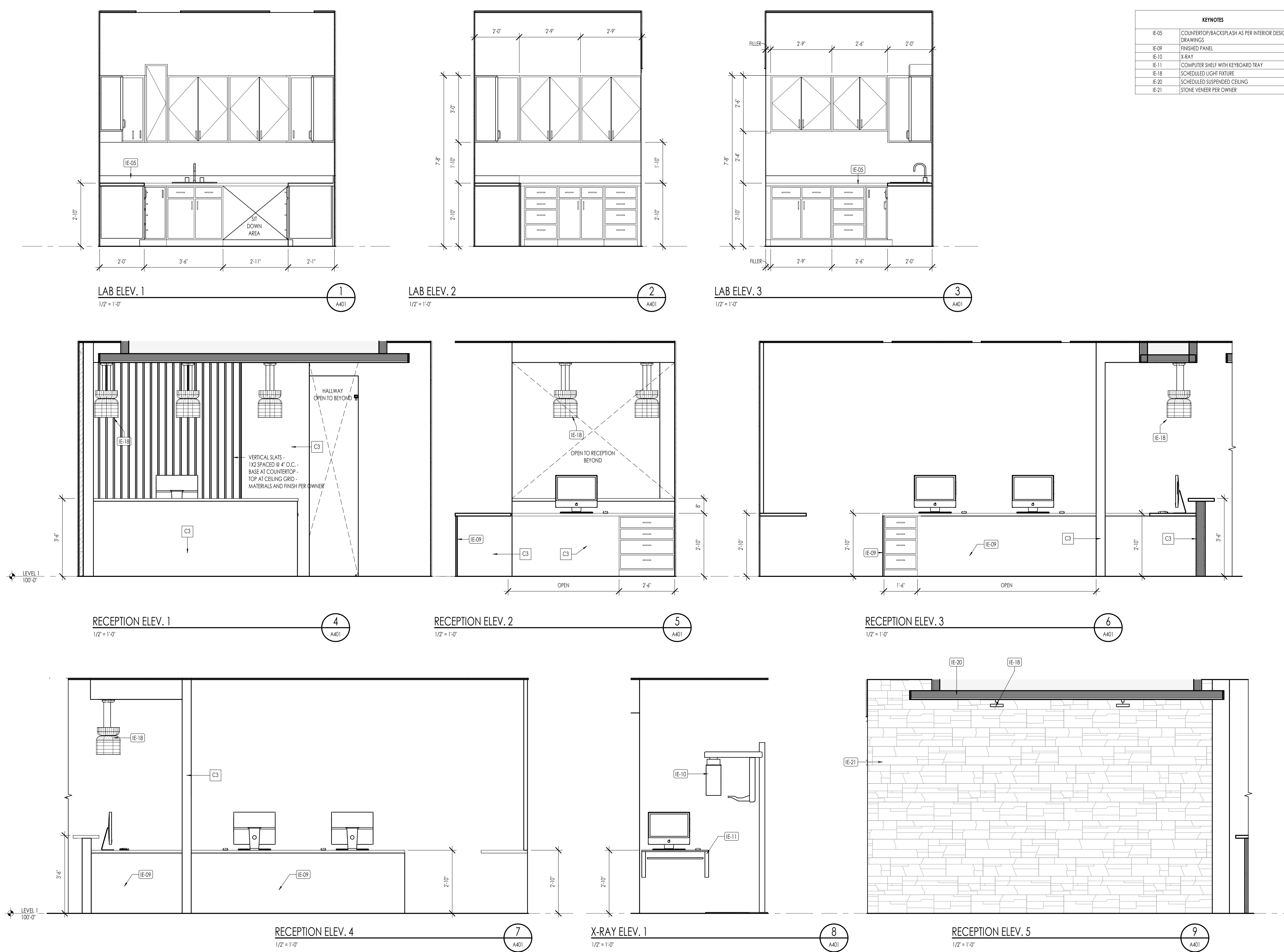
SHEET TITLE:  
INTERIOR ELEVATIONS

SHEET NUMBER:

A401

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KEYNOTES	
IE-05	COUNTERTOP/BACKSPLASH AS PER INTERIOR DESIGN DRAWINGS
IE-09	FINISHED PANEL
IE-10	X-RAY
IE-11	COMPUTER SHELF WITH KEYBOARD TRAY
IE-18	SCHEDULED LIGHT FIXTURE
IE-20	SCHEDULED SUSPENDED CEILING
IE-21	STONE VENEER PER OWNER



LAB ELEV. 1

1/2" = 1'-0"

1

A401

LAB ELEV. 2

1/2" = 1'-0"

2

A401

LAB ELEV. 3

1/2" = 1'-0"

3

A401

RECEPTION ELEV. 1

1/2" = 1'-0"

4

A401

RECEPTION ELEV. 2

1/2" = 1'-0"

5

A401

RECEPTION ELEV. 3

1/2" = 1'-0"

6

A401

RECEPTION ELEV. 4

1/2" = 1'-0"

7

A401

X-RAY ELEV. 1

1/2" = 1'-0"

8

A401

RECEPTION ELEV. 5

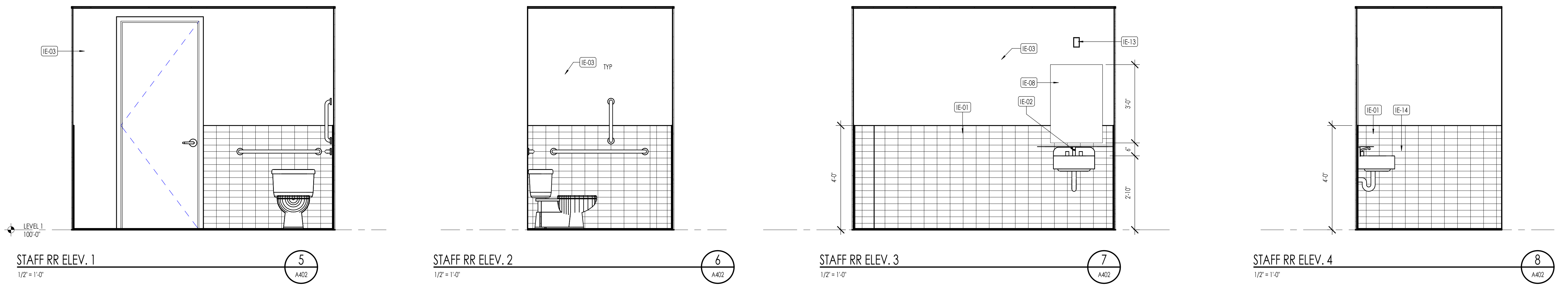
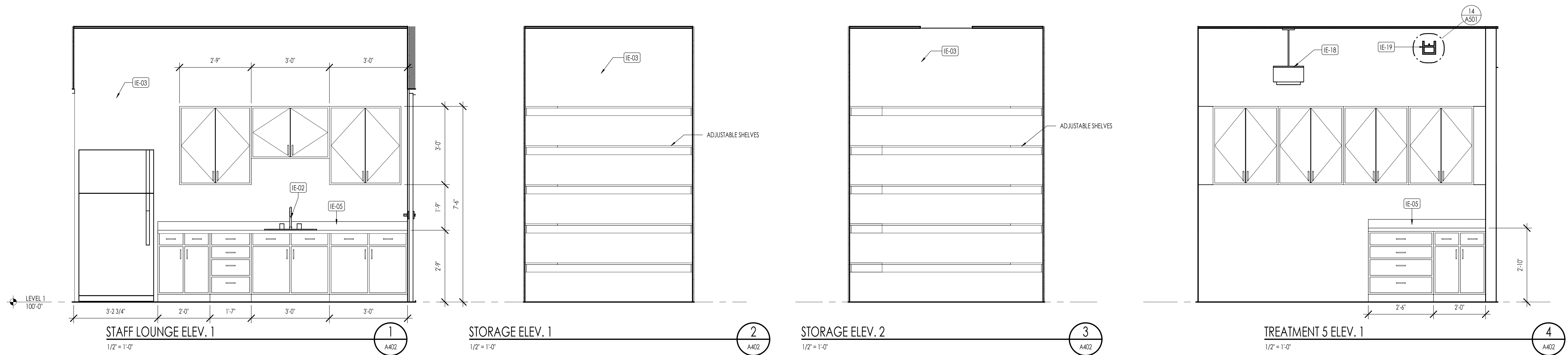
1/2" = 1'-0"

9

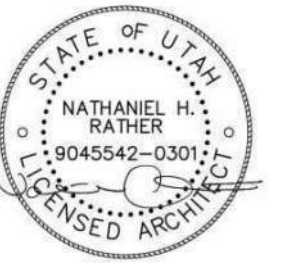
A401

4/24/2026 2:45:47 PM

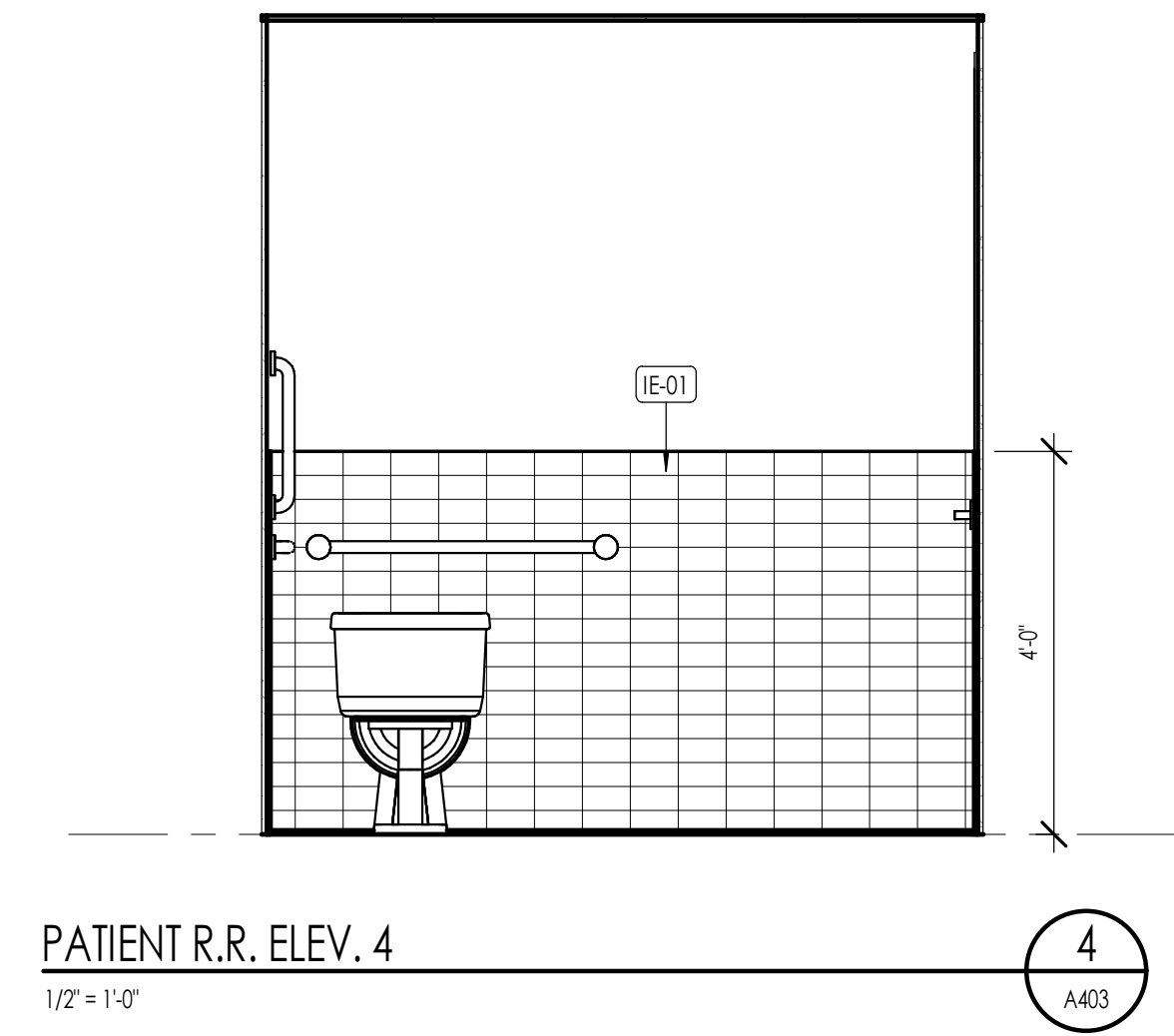
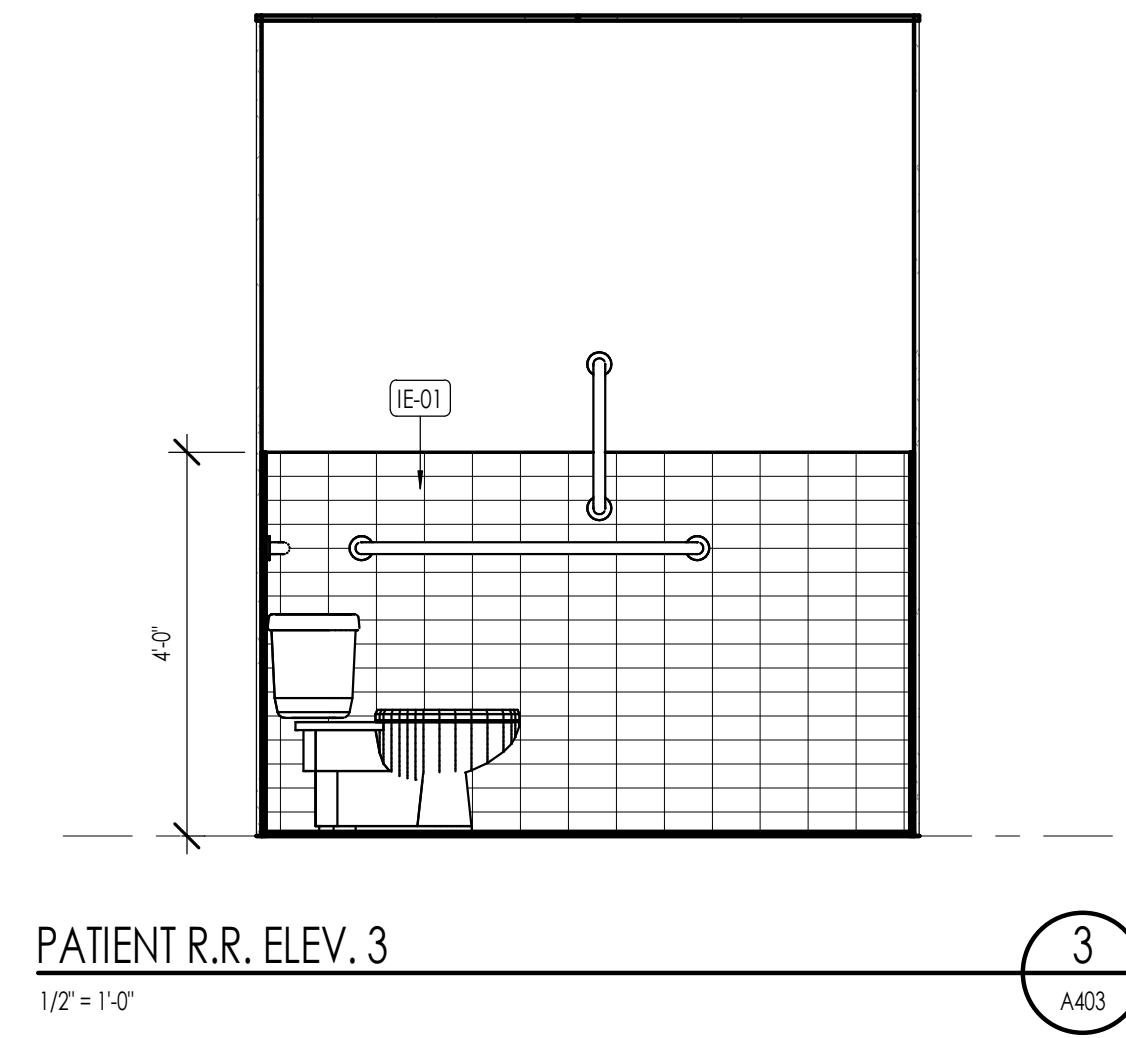
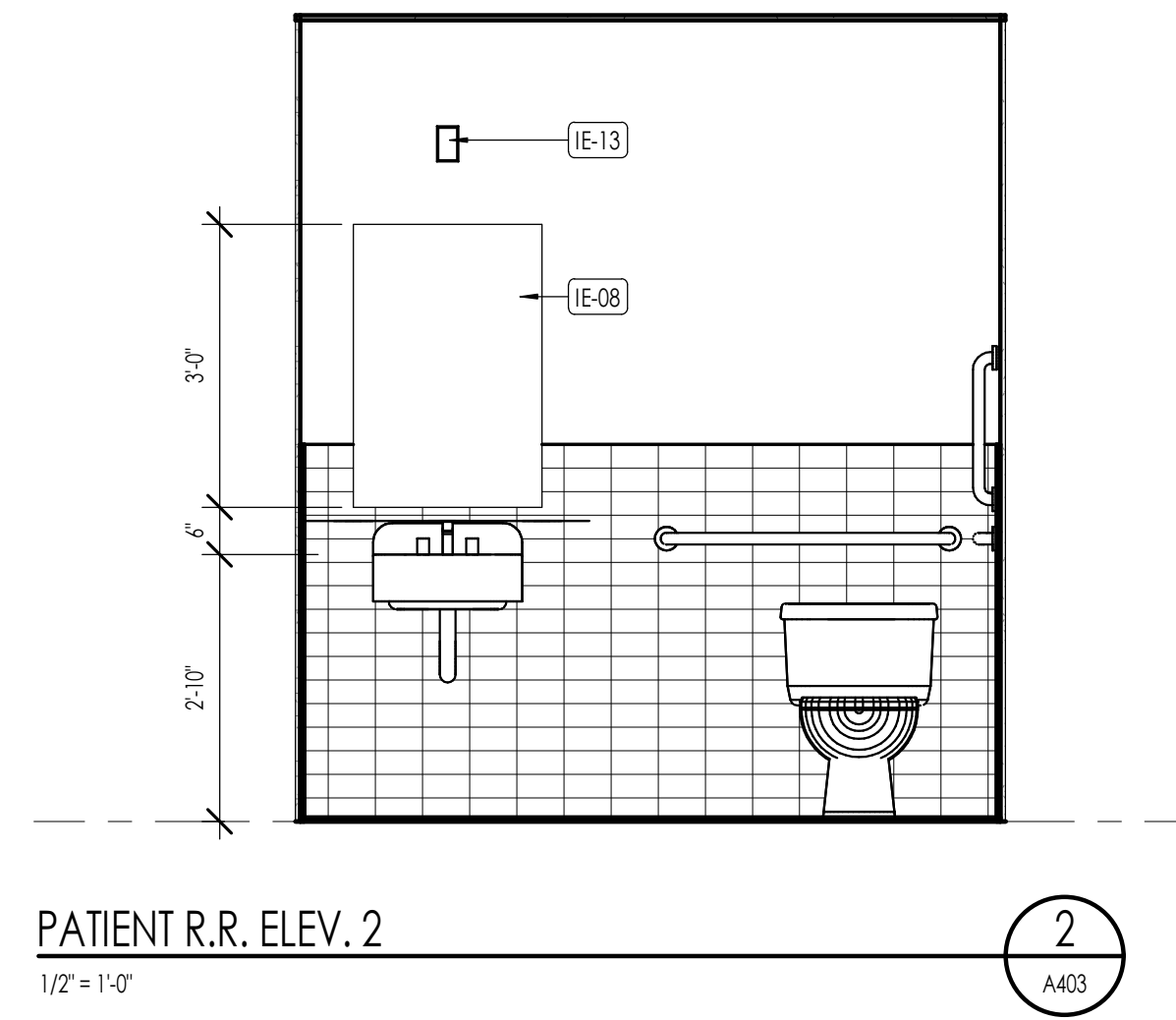
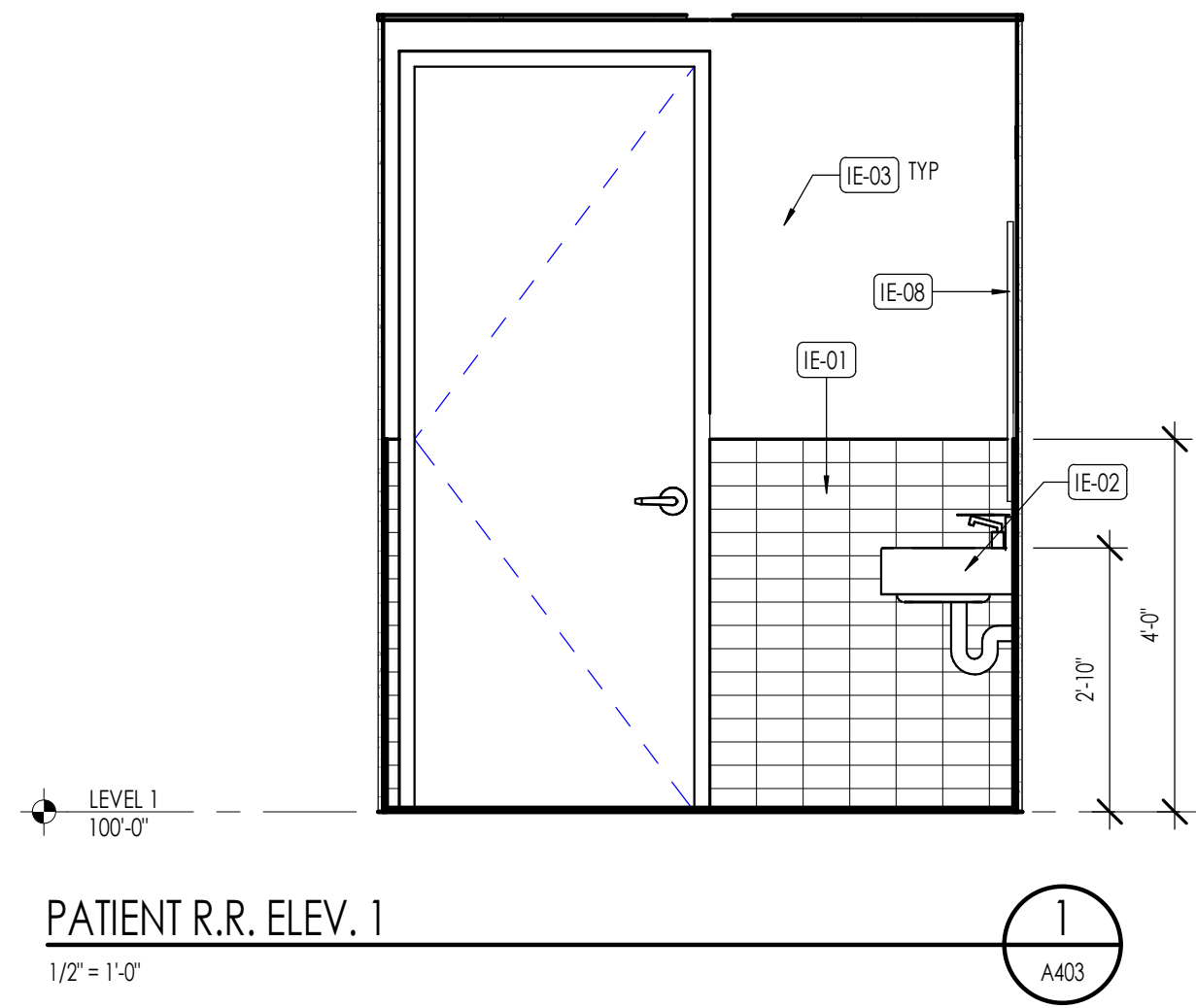
CONSTRUCTION DOCUMENTS



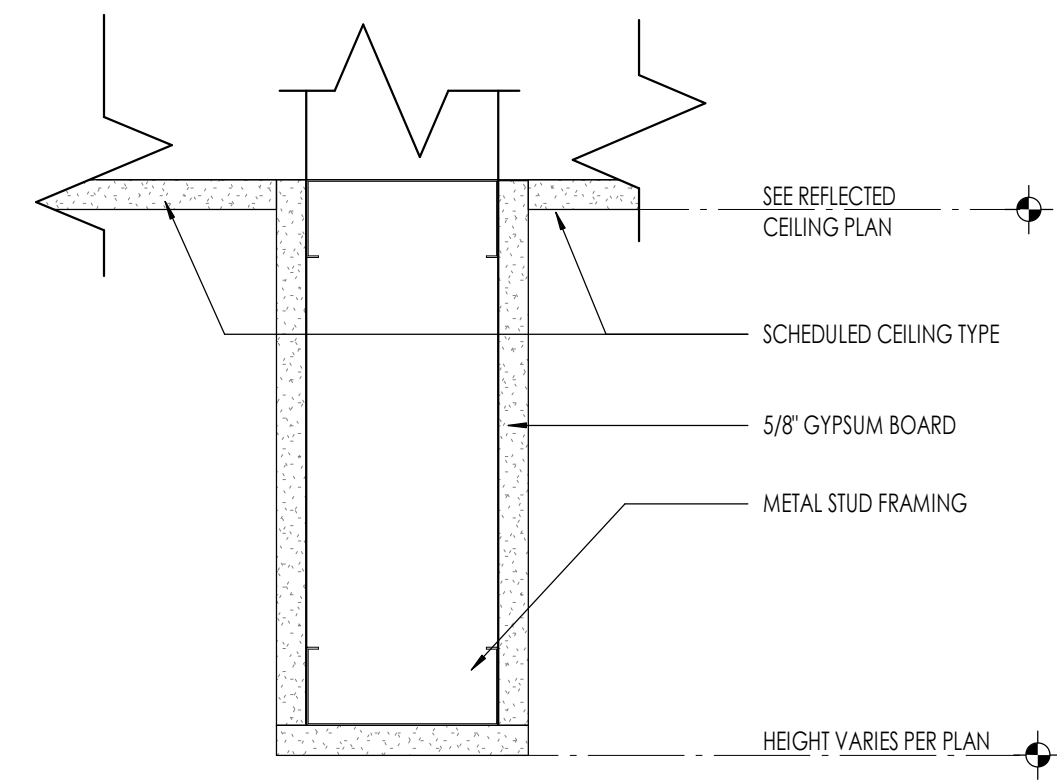
KEYNOTES	
IE-01	TILE PATTERN SHOWN FOR LOCATION OF TILE BACKER LOCATION ONLY. REFER TO INTERIOR DESIGN DRAWINGS FOR TILE SELECTION, PATTERN, AND INSTALLATION
IE-02	PLUMBING FIXTURES - SEE PLUMBING DRAWINGS
IE-03	FINISH OVER PRIMED GYP. BOARD - TYPICAL OF ALL GYPSUM BOARD WALLS - SEE INTERIOR DESIGN DRAWINGS
IE-05	COUNTERTOP/BACKSPLASH AS PER INTERIOR DESIGN DRAWINGS
IE-08	MIRROR
IE-13	SCHEDULED LIGHT FIXTURE
IE-14	GRAB BARS
IE-18	SCHEDULED LIGHT FIXTURE
IE-19	BEAM WITH LED LIGHT



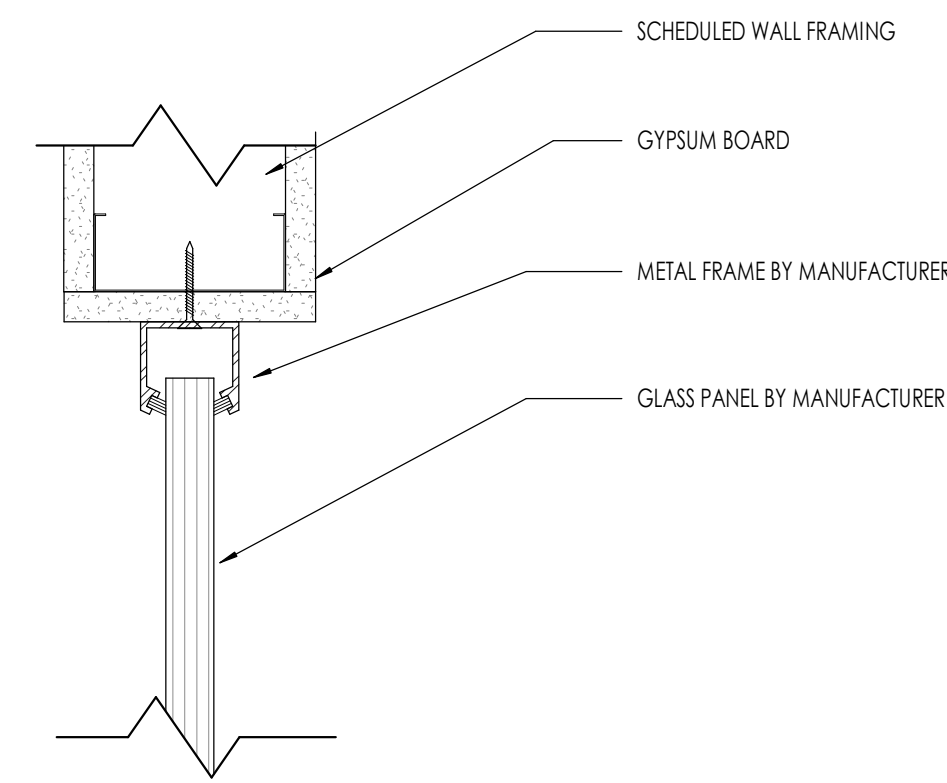
6 APR 2026



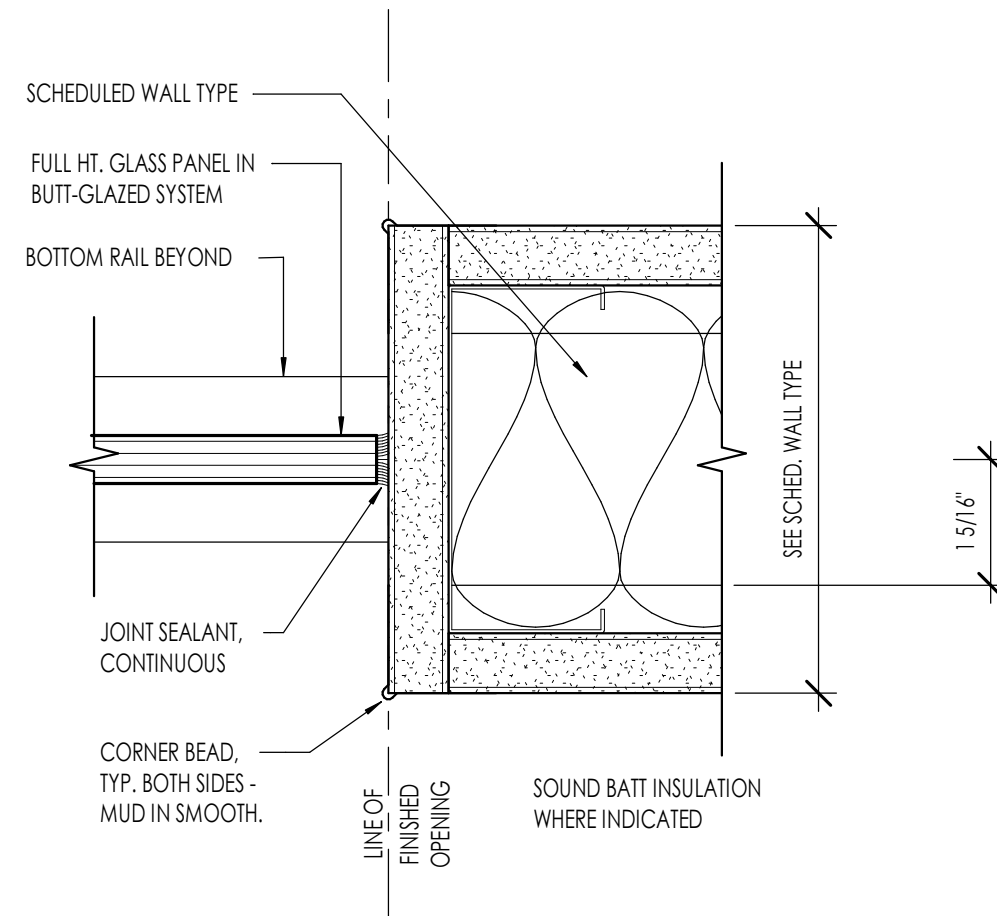
KEYNOTES	
IE-01	TILE PATTERN SHOWN FOR LOCATION OF TILE BACKER LOCATION ONLY. REFER TO INTERIOR DESIGN DRAWINGS FOR TILE SELECTION, PATTERN, AND INSTALLATION
IE-02	PLUMBING FIXTURES - SEE PLUMBING DRAWINGS
IE-03	FINISH OVER PRIMED GYP. BOARD - TYPICAL OF ALL GYPSUM BOARD WALLS - SEE INTERIOR DESIGN DRAWINGS
IE-08	MIRROR
IE-13	SCHEDULED LIGHT FIXTURE



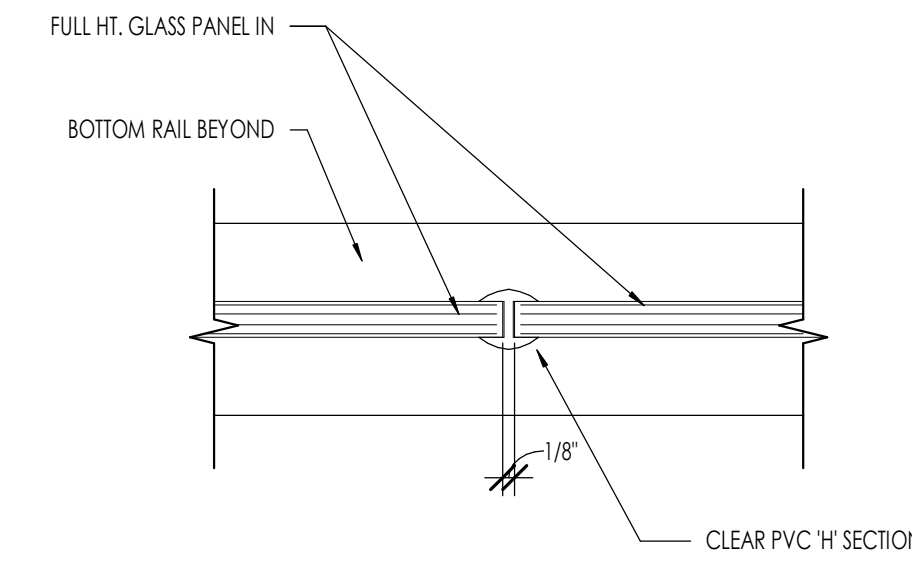
**BULKHEAD**  
3" = 1'-0"  
1  
A501



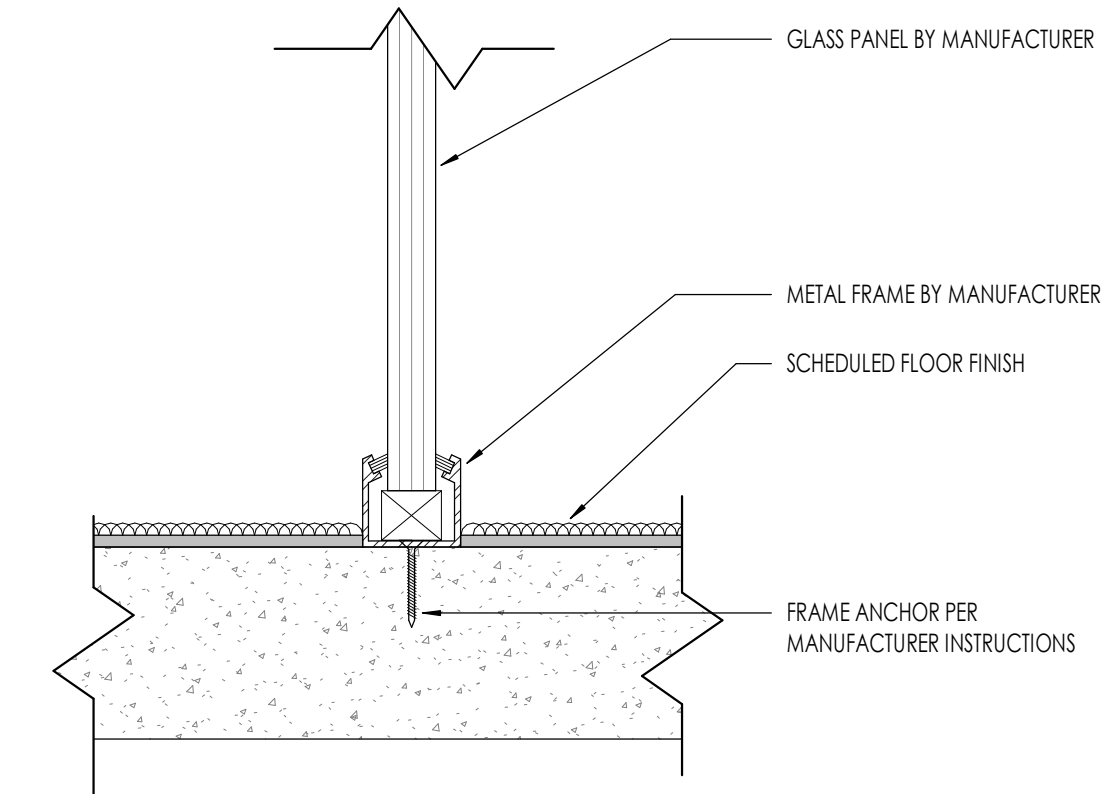
**GLASS PANEL HEAD AT BULKHEAD**  
3" = 1'-0"  
2  
A501



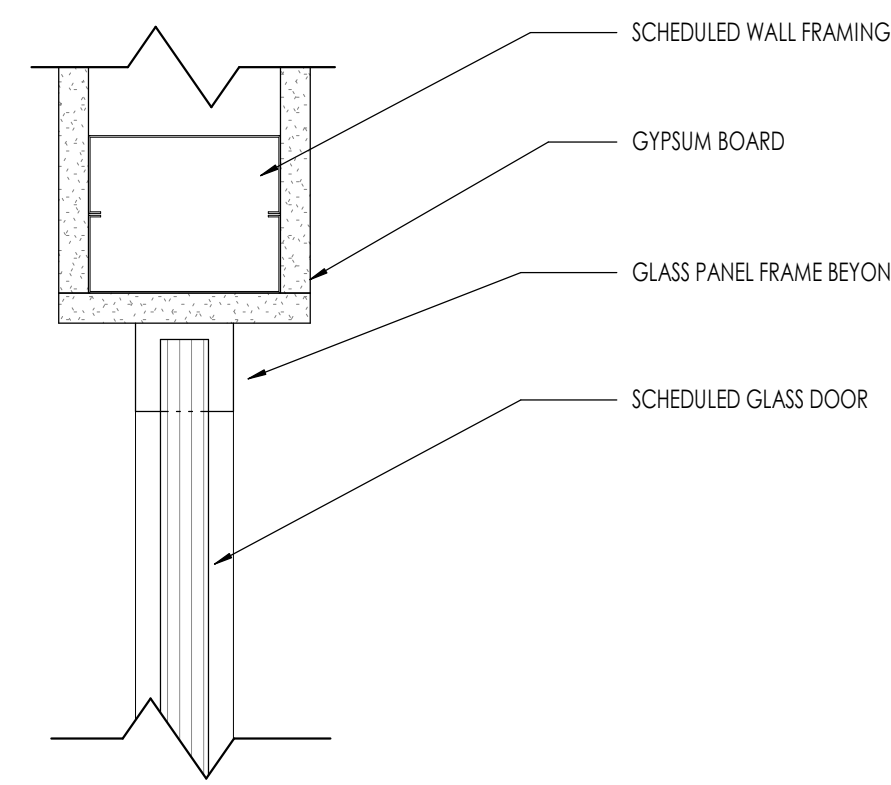
**GLASS WALL - BUTT GLAZED JOINT DETAIL AT WALL**  
6" = 1'-0"  
3  
A501



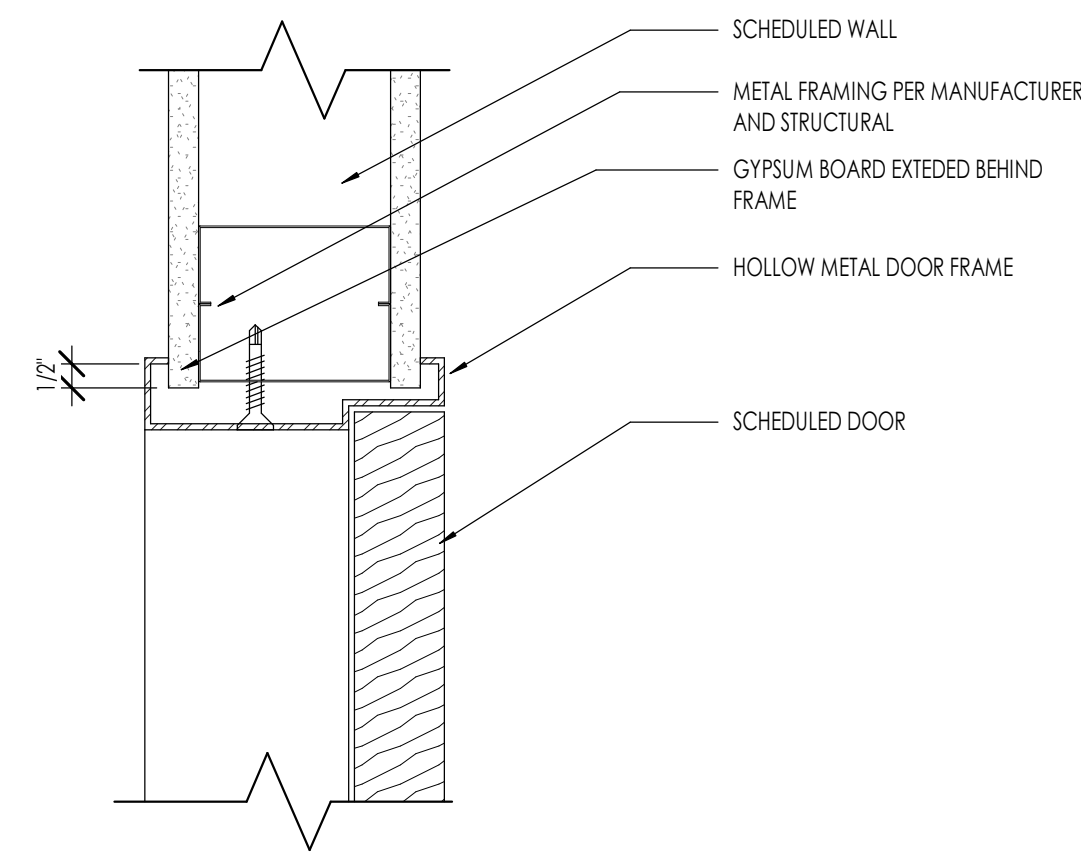
**GLASS WALL - BUTT GLAZED JOINT DETAIL**  
6" = 1'-0"  
4  
A501



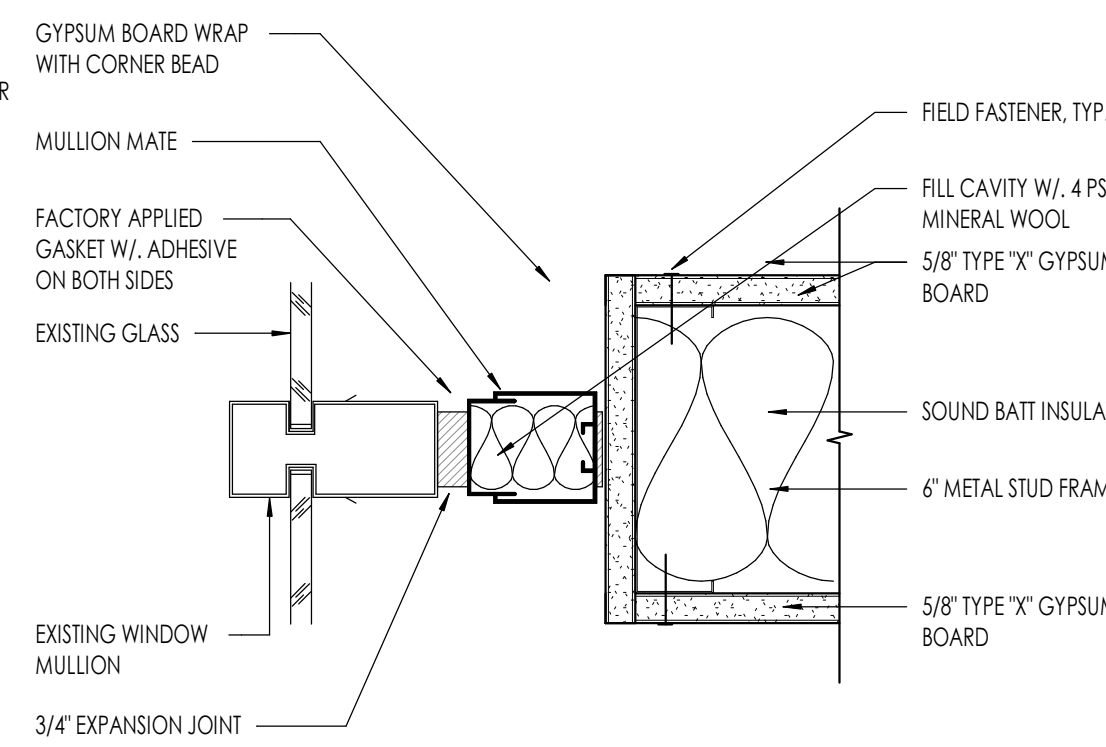
**GLASS PANEL BASE**  
3" = 1'-0"  
5  
A501



**GLASS DOOR HEAD AT BULKHEAD**  
3" = 1'-0"  
6  
A501

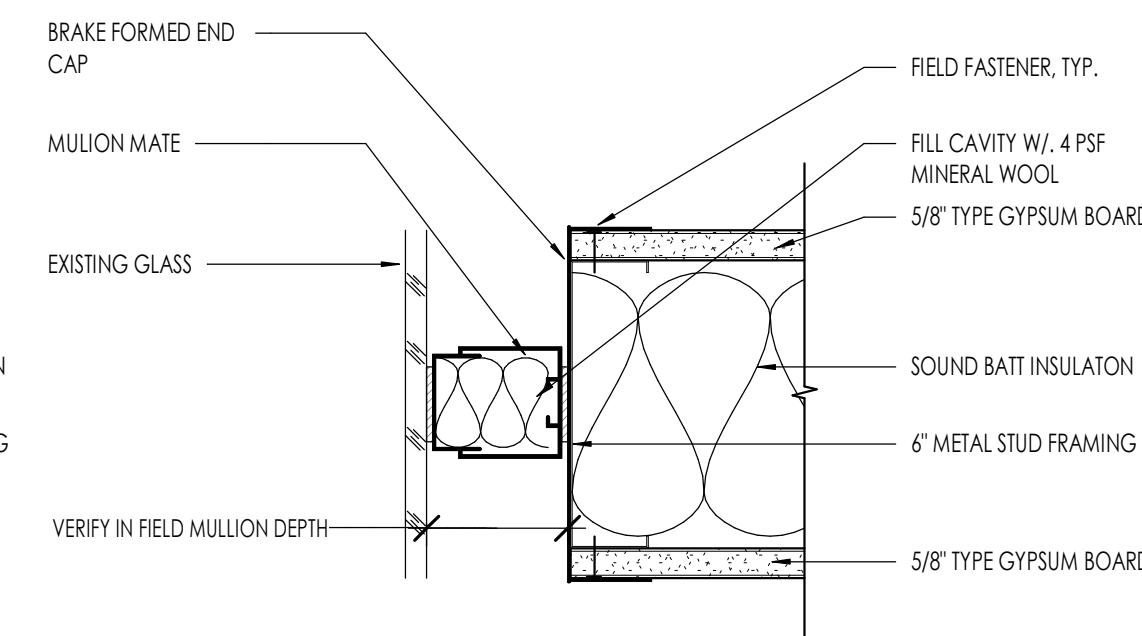


**DOOR HEAD IN HM FRAME**  
3" = 1'-0"  
7  
A501

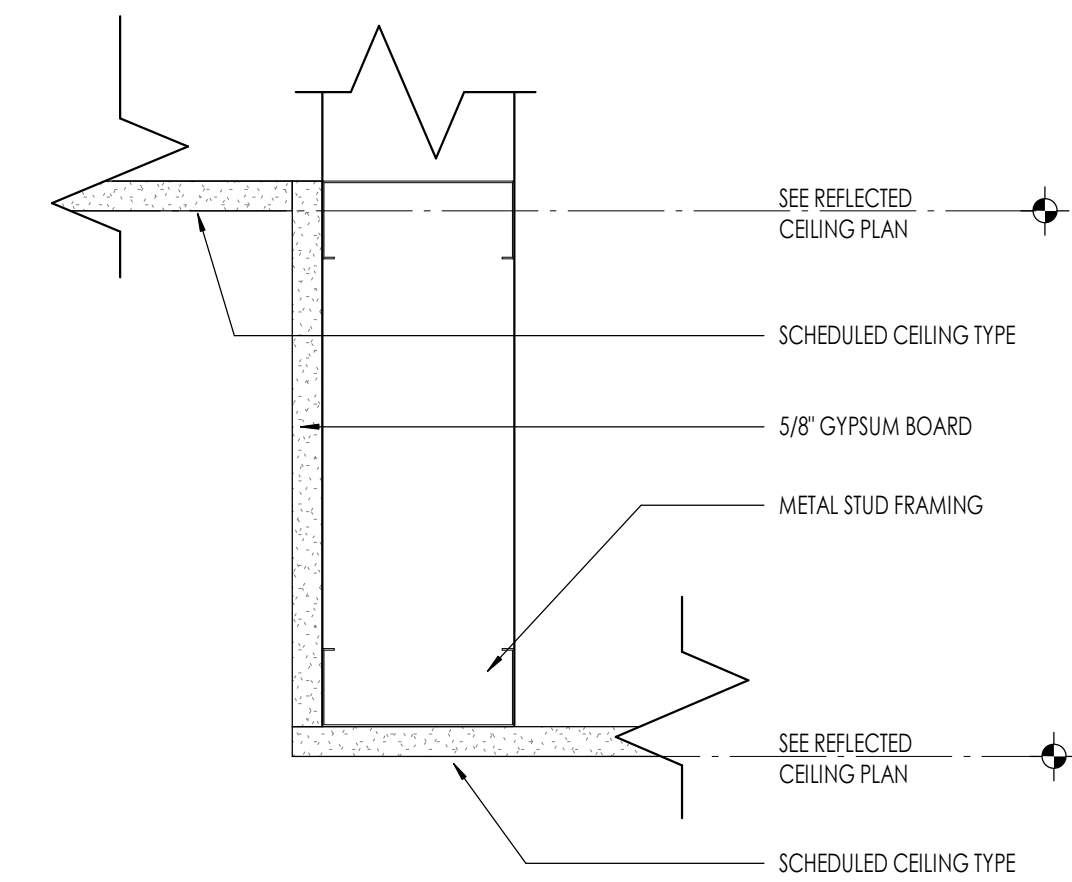


NOTE: WALL SHALL BE CONSTRUCTED AS UL DESIGN V417 - 1-HOUR WALL ASSEMBLY.

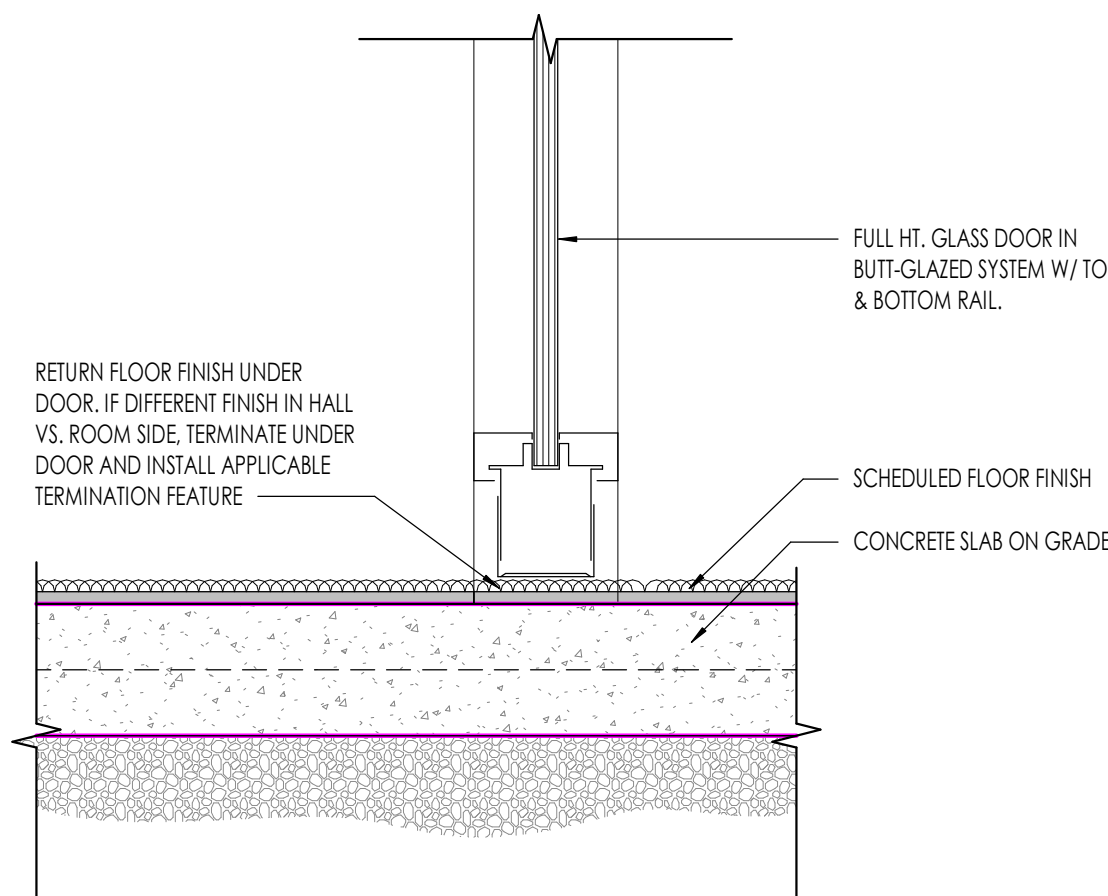
**PARTITION GAP CLOSURE AT MULLION**  
3" = 1'-0"  
8  
A501



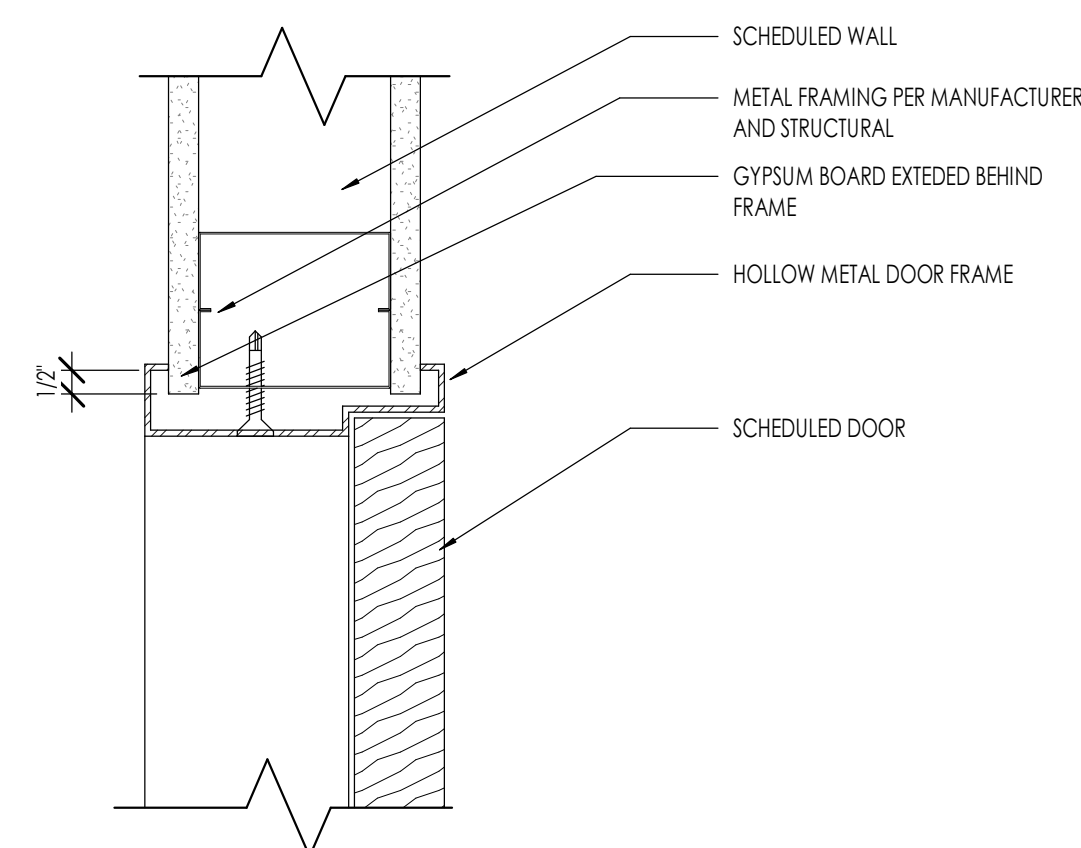
**PARTITION GAP CLOSURE AT GLASS**  
3" = 1'-0"  
9  
A501



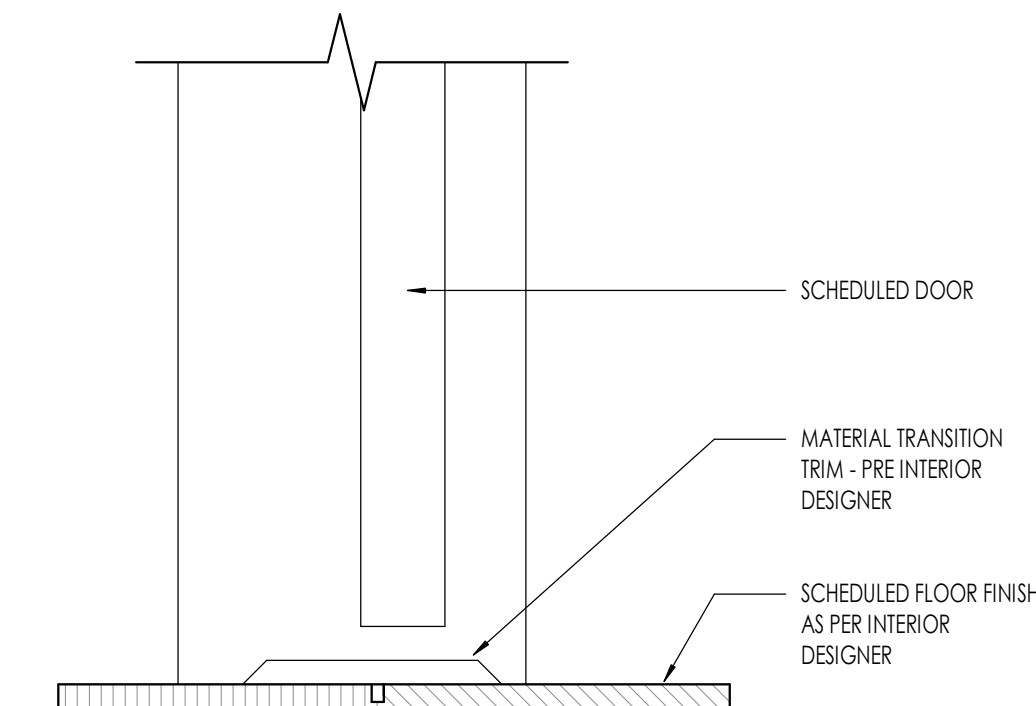
**CEILING HEIGHT TRANSITION**  
3" = 1'-0"  
10  
A501



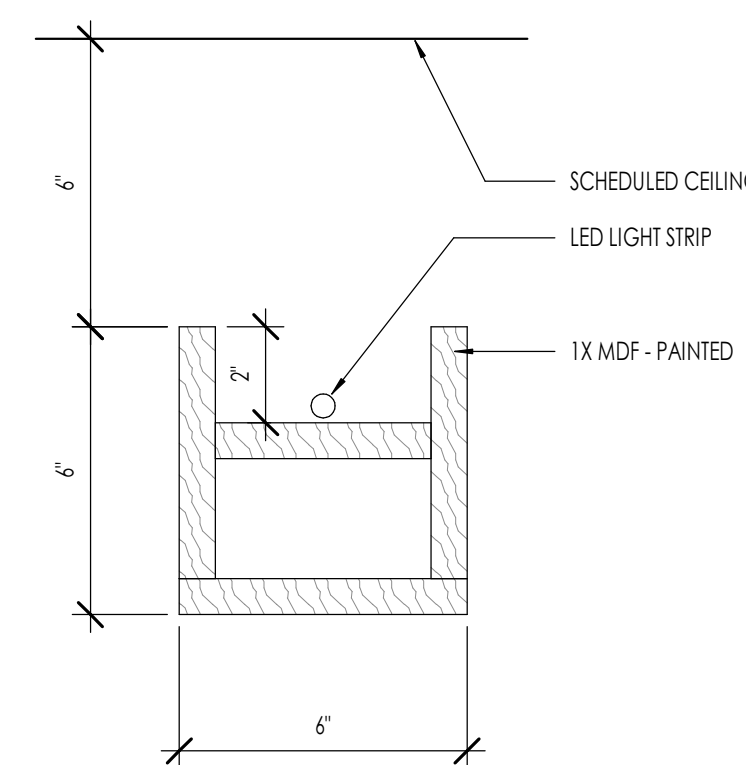
**GLASS DOOR - THRESHOLD AT SLAB**  
3" = 1'-0"  
11  
A501



**DOOR JAMB IN HM FRAME**  
3" = 1'-0"  
12  
A501



**THRESHOLD DETAIL - DOOR**  
3" = 1'-0"  
13  
A501



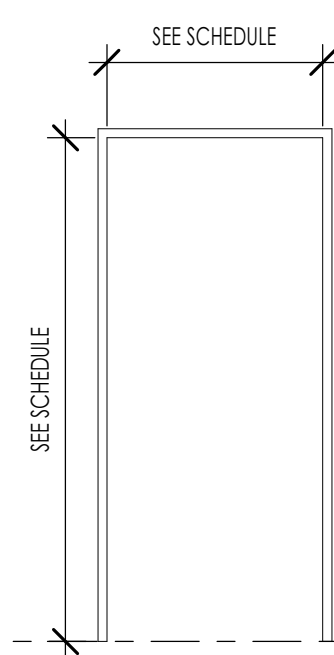
**BEAM WITH LIGHT DETAIL**  
3" = 1'-0"  
14  
A501

**DOOR SCHEDULE**

MARK	DOOR		DOOR			FRAME		FIRE RATING	HARDWARE
	WIDTH	HEIGHT	MATERIAL	TYPE	FINISH	MATERIAL	FINISH		
D01	3'-0"	8'-0"	HM	D3		HM	PAINTED	20 MIN	4
D02	3'-0"	8'-0"	WOOD	D2	STAINED	HM	PAINTED		2
D03	3'-0"	8'-0"	WOOD	D2	STAINED	HM	PAINTED		2
D04	3'-0"	8'-0"	WOOD	D2	STAINED	HM	PAINTED		1
D05	3'-0"	8'-0"	WOOD	D1	STAINED	HM	PAINTED		2
D06	3'-0"	8'-0"	WOOD	D2	STAINED	HM	PAINTED		1
D07	3'-0"	8'-0"	WOOD	D4	STAINED	HM	PAINTED		3
D08	3'-0"	8'-0"	WOOD	D2	STAINED	HM	PAINTED		2
D09	3'-0"	8'-0"	WOOD	D1	STAINED	HM	PAINTED		4
D10	3'-0"	8'-0"	WOOD	D2	STAINED	HM	PAINTED		1
D11	3'-0"	8'-0"	WOOD	D4	STAINED	HM	PAINTED		3
D12	3'-0"	8'-0"	WOOD	D1	STAINED	HM	PAINTED		1

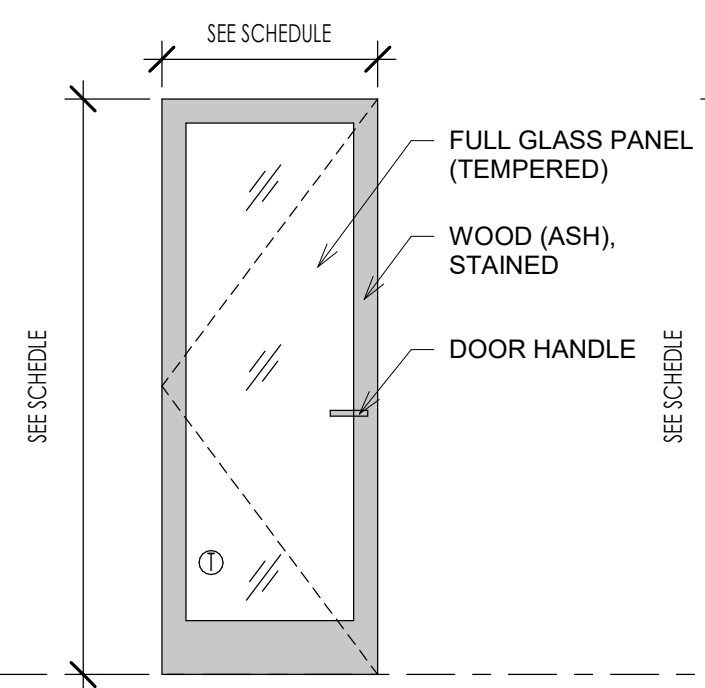
- H1 PRIVACY**
- 3 PAIR HINGES
  - 1 LOCKSET (PRIVACY)
  - 1 STOP
- H2 PASSAGE**
- 3 PIVOT HINGES
  - 1 LOCKSET (PASSAGE)
  - 1 STOP
- H3 BARN DOOR**
- PER MANUFACTURER (ADA COMPLIANT)
- H4 KEYED**
- 3 PIVOT HINGES
  - 1 LOCKSET (KEYED)
  - 1 STOP

**FRAME TYPES**

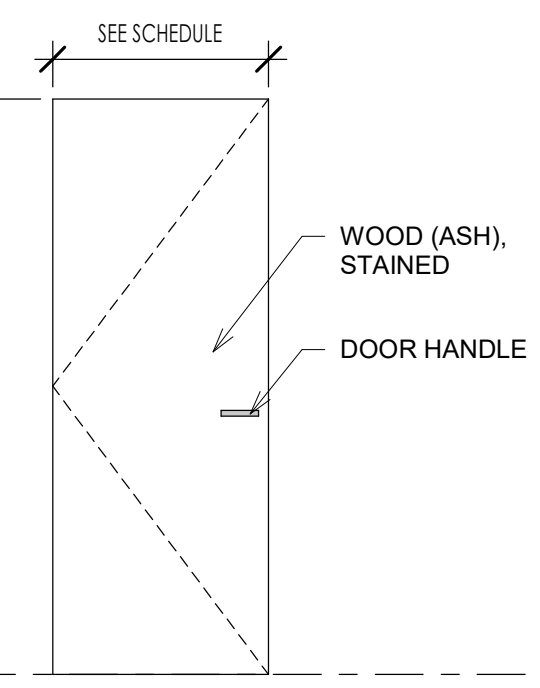


**TYPE F1**  
STEEL - HOLLOW METAL  
FIRE RATING TO MATCH DOOR  
PAINTED

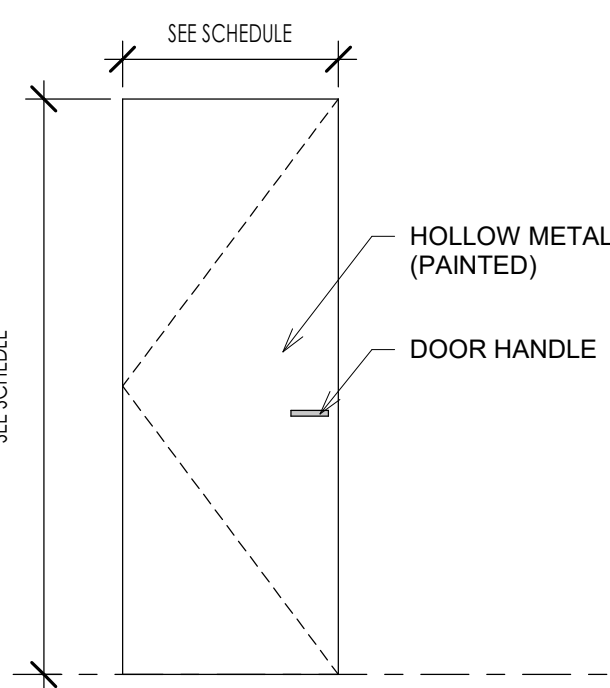
**DOOR TYPES**



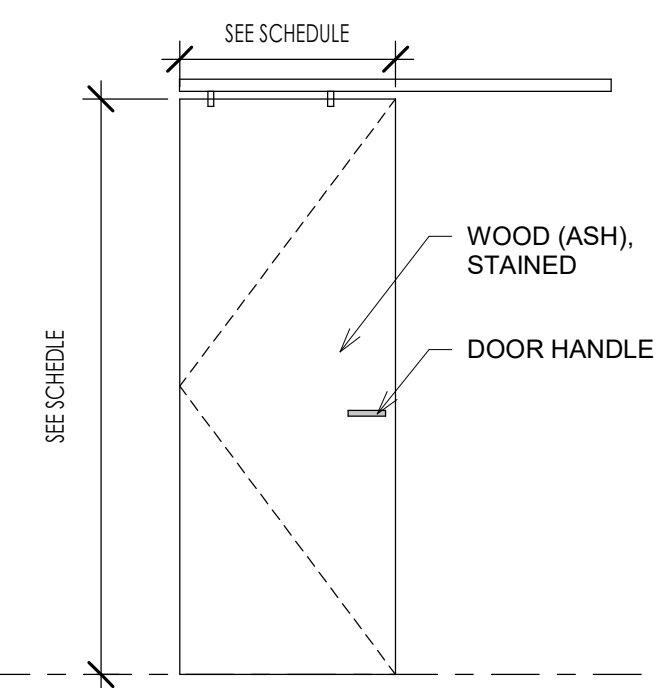
**TYPE D1**  
DOOR: SOLID WOOD (ASH), STAINED, WITH  
GLASS PANEL  
FRAME: HOLLOW METAL - F1 FRAME  
1 3/4" THICK  
STAINED TO MATCH: WILSONART PREMIUM  
LAMINATE: FAIRCHILD 8283K-05



**TYPE D2**  
DOOR: SOLID WOOD (ASH), STAINED,  
FLUSH PANEL  
FRAME: HOLLOW METAL - F1 FRAME  
1 3/4" THICK

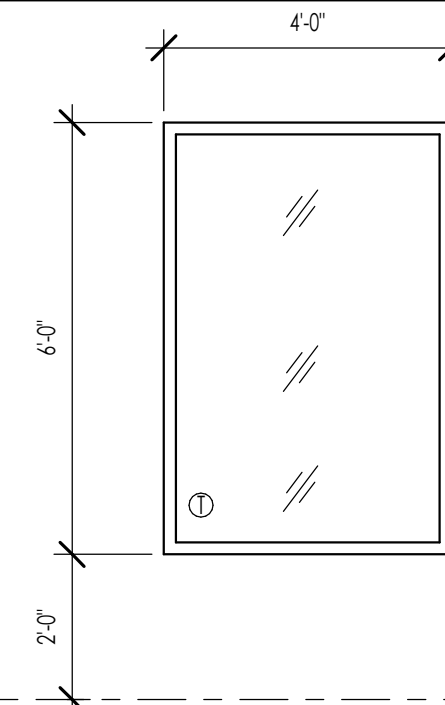


**TYPE D3**  
DOOR: HOLLOW METAL (PAINTED) (20 min.  
RATED)  
FRAME: HOLLOW METAL - F1 FRAME  
1 3/4" THICK

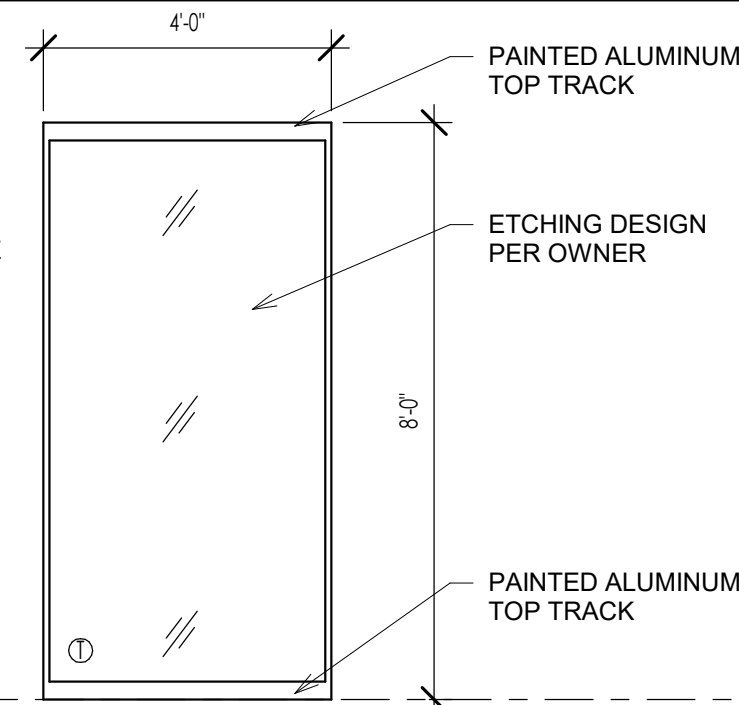


**TYPE D4**  
DOOR: SOLID WOOD (ASH), STAINED,  
FLUSH PANEL, BARN DOOR  
FRAME: HOLLOW METAL  
STAINED BLACK

**WINDOW TYPES**



**TYPE W01**



**TYPE W02**

**WINDOW SCHEDULE**

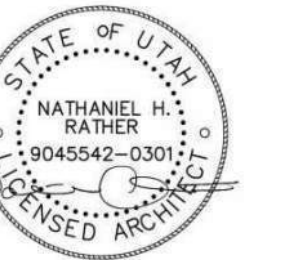
MARK	UNIT SIZE		HEAD HEIGHT	OPERATION	MATERIAL	FINISH	GLAZING TYPE	COMMENTS
	WIDTH	HEIGHT						
W01	4'-0"	6'-0"	8'-0"	FIXED		STAINED WOOD FRAME		
W02	4'-0"	8'-0"	8'-0"	FIXED	SHEET GLASS		TEMPERED	ETCHING DESIGN COORDINATE WITH OWNER



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6 APR 2026

**STONE CREEK DENTAL**

10509 RIVER HEIGHTS DRIVE, SUITE 203  
SOUTH JORDAN, UT

PROJECT NO. 26-021

DATE: 6 APR 2026

REVISIONS:

CONSTRUCTION DOCUMENTS

SHEET TITLE:  
DOOR SCHEDULE &  
ELEVATIONS

SHEET NUMBER:

**A601**

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# ABBREVIATIONS

AC	ACCESS COVER AIR CONDITIONING	EC	ELECTRICAL CONTRACTOR EVAPORATIVE COOLER	MIN	MINIMUM
AD	ACCESS DOOR AREA DRAIN	EF	EXHAUST FAN	MU	MAKE-UP AIR UNIT
AFF	ABOVE FINISHED FLOOR	EH	ELECTRIC HEATER EXHAUST HOSE	NATGAS	NATURAL GAS
AH	AIR HANDLING UNIT	EL	ELEVATION	NIC	NOT IN CONTRACT
AP	ACCESS PANEL	EQ	EQUIPMENT	NTS	NOT TO SCALE
AUTO	AUTOMATIC TEMPERATURE CONTROL	ESP	EXTERNAL STATIC PRESSURE	OC	ON CENTER
AUTC	AUTOMATIC	EW	EMERGENCY EYE WASH	OCEW	ON CENTER EACH WAY
AV	AIR ADMITTANCE VALVE	EWC	ELECTRIC WATER COOLER	ORD	OVERFLOW ROOF DRAIN
AW	AIR WASHER	EWT	ENTERING WATER TEMPERATURE	P	PUMP
B	BOILER	EX	EXISTING	PH	PENT HOUSE
BB	BASEBOARD	F	FURNACE	PRV	PRESSURE REDUCING VALVE
BDD	BACKDRAFT DAMPER	FB	FAN POWERED VAV BOX	P&TV	PRESSURE & TEMPERATURE RELIEF VALVE
BFP	BACKFLOW PREVENTOR	FC	FAN COIL UNIT	PSI	POUNDS PER SQUARE INCH
BLD	BUILDING	FD	FLOOR DRAIN FIRE DAMPER	PVC	POLYVINYL CHLORIDE
BOD	BOTTOM OF DUCT	FH	FIRE HYDRANT	QD	QUICK DISCONNECT
BOU	BOTTOM OF UNIT	FL	FILTER	RA	RETURN AIR
BTU	BRITISH THERMAL UNIT	FLR	FLOOR	RAG	RETURN AIR GRILLE
BTUH	BRITISH THERMAL UNIT PER HOUR	FOB	FLAT ON BOTTOM	RD	ROOF DRAIN
CA	COMBUSTION AIR	FOS	FLAT ON SIDE	RF	RELIEF AIR
CC	COOLING COIL	FOT	FLAT ON TOP	RH	RELIEF HOOD RADIANT HEATER
CD	CONDENSATE DRAIN CONSTRUCTION DOCUMENT	FP	FIREPLACE	RI	ROUGH-IN
CFH	CUBIC FEET PER HOUR	FS	FLOOR SINK	RP	RADIANT PANEL RECIRCULATION PUMP
CFM	CUBIC FEET PER MINUTE	FSD	FIRE/SMOKE DAMPER	RT	ROOFTOP UNIT
CH	CHILLER	FU	FIXTURE UNIT	RV	RELIEF VENT RELIEF VALVE
CHWR	CHILLED WATER RETURN	GA	GAUGE	REOQ	REQUIRED
CHWS	CHILLED WATER SUPPLY	GC	GENERAL CONTRACTOR	SA	SUPPLY AIR
CI	CAST IRON	GI	GREASE INTERCEPTOR	SC	SELF CONTAINED UNIT
CL	CENTER LINE	GPM	GALLONS PER MINUTE	SD	STORM DRAIN
CLG	CEILING	GRD	GRADE	SEF	SMOKE EXHAUST FAN
CLR	CLEAR	GT	GREASE TRAP	SF	SUPPLY FAN
CO	CLEAN OUT	GW	GREASE WASTE	SP	STATIC PRESSURE
CONN	CONNECTION	HB	HOSE BIBB	SPEC	SPECIFICATION
CP	CIRCULATING PUMP	HDR	HEADER	SE	STAINLESS STEEL SANITARY SEWER
CR	CONDENSATE RETURN	HE	HEAT EXCHANGER	ST	SOUND TRAP
CT	COOLING TOWER	HP	HEAT PUMP	STD	STANDARD
CJ	CONDENSING UNIT COPPER	HTR	HEATER	TAG	TRANSFER AIR GRILLE
CW	COLD WATER	HU	HUMIDIFIER	TOD	TOP OF DUCT
CWR	CONDENSER WATER RETURN	HVAC	HEATING, VENTILATING & AIR CONDITIONING	TW	THROUGH WALL UNIT
CWS	CONDENSER WATER SUPPLY	HW	HOT WATER	TYP	TYPICAL
HWR	HOT WATER RETURN	HWR	HOT WATER RETURN	UH	UNIT HEATER
DA	DILUTION AIR	HWS	HOT WATER SUPPLY	UR	URINAL
DB	DRY BULB	IE	INVERT ELEVATION	VAV	VARIABLE AIR VOLUME
DCW	DOMESTIC COLD WATER	IH	INTAKE HOOD	VB	VACUUM BREAKER VAV BOX
DF	DRINKING FOUNTAIN DUCT FURNACE DESTRATIFICATION FAN DOWN FLOW	INSUL	INSULATION	VTR	VENT THROUGH ROOF
DFU	DRAINAGE FIXTURE UNIT	LAT	LEAVING AIR TEMPERATURE	W	WITH
DH	DUCT HEATER	LAV	LAVATORY	WA	WATER HAMMER ARRESTOR
DHW	DOMESTIC HOT WATER	LPG	LIQUEFIED PETROLEUM GAS	WB	WET BULB
DIA	DIAMETER	MAX	MAXIMUM	WC	WATER CLOSET
DM	DAMPER	MBH	THOUSAND BTU PER HOUR	WH	WATER HEATER
DN	DOWN	MC	MECHANICAL CONTRACTOR		
DWG	DRAWING	MD	MANUAL DAMPER		
EA	EXHAUST AIR	MECH	MECHANICAL		
EAT	ENTERING AIR TEMPERATURE	MH	MANHOLE		

# LEGEND

	BARE SHEET METAL RECTANGULAR DUCT, 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOWN.		120° F. HOT WATER
			OXYGEN
			VACUUM
	1 1/2\"/>		BUTTERFLY VALVE
			GATE VALVE
			PLUG VALVE
			2-WAY AUTO VALVE
			THERMOMETER
			UNION
			BALANCING VALVE
			BACKFLOW PREVENTER
			DIRECTION OF FLOW
			FLEXIBLE CONNECTION
			PIPING ELBOW DROP
			UNDERGROUND SANITARY SEWER
			UNDERGROUND COLD WATER
			ABOVE GROUND HOT WATER (120° F.)
			HOSE BIBB
			FIRE HYDRANT
			CONNECTION OFF SIDE
			CONNECTION OFF TOP
			CAPPED END
	24x24 RETURN AIR GRILLE		
	24x12 RETURN AIR GRILLE		
	THERMOSTAT OR SENSOR		
	SWITCH		
	HUMIDITY SENSOR		
	CLEAN OUT		
	COMPRESSED AIR		
	CONDENSATE DRAIN		
	CONDENSATE RETURN		
	CONDENSER WATER RETURN		
	CONDENSER WATER SUPPLY		
	CHILLED WATER RETURN		
	CHILLED WATER SUPPLY		
	HOT WATER RECIRCULATION LINE		
	HOT WATER RETURN		
	HOT WATER SUPPLY		
	NATURAL GAS		
	OVERFLOW ROOF DRAIN		
	ROOF DRAIN		
	STEAM		
	SOFT COLD WATER		
	SOFT HOT WATER		
	VENT LINE		
	VENT THROUGH ROOF		

# DRAWING INDEX

SHEET NUMBER/DRAWING TITLE	
<b>MECHANICAL PLANS</b>	<b>PLUMBING PLANS</b>
M001 TITLE SHEET LEGEND & ABBREVIATIONS	P201 WASTE & VENT PLUMBING PLAN
M201 MECHANICAL PLAN	P202 WATER & NATGAS PLUMBING PLAN
M501 MECHANICAL DETAILS	P203 MED GAS, AIR, & VACUUM PLUMBING PLAN
M701 MECHANICAL SCHEDULES	P701 PLUMBING DETAILS & SCHEDULES

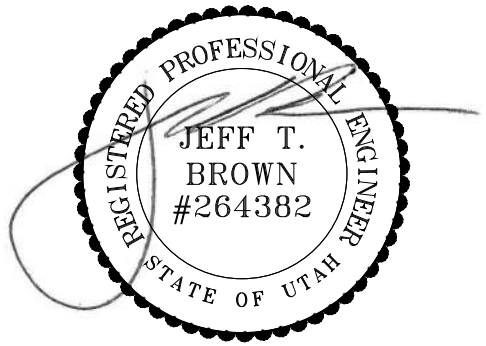
# BUILDING UTILITY INFORMATION

UTILITY SIZING SCHEDULE									
TAG	QTY	DOMESTIC WATER						WASTE	
		COLD		HOT		COMBINED		DFU'S	TOTAL
		FU'S	TOTAL	FU'S	TOTAL	FU'S	TOTAL		
WC 1	2	5	10	-	-	5	10	4	8
LAV 1	2	1.5	3	1.5	3	2	4	1	2
FD 1	4	-	-	-	-	-	-	2	8
FS 1	1	-	-	-	-	-	-	2	2
SS 1	1	3	3	3	3	4	4	2	2
LS 1	1	3	3	3	3	4	4	2	2
KS 1	1	3	3	3	3	4	4	2	2
HS 1	4	1.5	6	1.5	6	2	8	1	4
WB 1	1	2.25	2.25	2.25	2.25	3	3	2	2
TOTAL DOMESTIC WATER FIXTURE UNITS							37		
GPM PER TABLE E102							25.0		
WATER SIZING PER FIGURE E103C							1-1/2"		
TOTAL DRAINAGE FIXTURE UNITS									37
WASTE SIZING PER TABLE 710.1(1)									4"

NATGAS SIZING SCHEDULE						
TAG	QTY	EQUIPMENT INPUT BTU/HR		EQUIPMENT INPUT CUBIC FEET/HR		
		EACH	TOTAL	EACH	TOTAL	
RT 1	1	110,000	110,000	124	124	
RT 2	1	110,000	110,000	124	124	
WH 1	1	60,000	60,000	68	68	
TOTAL INPUT - BTU/HR		280,000				
BTU/HR/CUBIC FOOT		890				
TOTAL EQUIPMENT INPUT - CUBIC FEET/HR						316
PRESSURE AT THE METER						2 PSI**
DISTANCE FROM METER TO FURTHEST EQUIPMENT						150'-0"
NATURAL GAS LINE SIZE AT METER						3/4"

# GENERAL NOTES

- THESE DRAWINGS WERE PREPARED USING THE 2021 IBC, 2021 IMC, 2021 IPC, 2021 IFGC, AND THE 2021 IECC.
- ALL INSTALLATIONS SHALL BE PER THE 2021 IBC, 2021 IMC, 2021 IPC, 2021 IFGC, AND THE 2021 IECC.
- THESE DRAWINGS ARE TO SHOW THE GENERAL CONCEPT OF THE SYSTEMS. FIELD VERIFY ALL LOCATIONS AND COORDINATE EXACT ROUTING WITH ALL TRADES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, LIGHTS, CEILING DIFFUSERS, AND FIRE SPRINKLERS.
- ALL DUCT SIZES LISTED IN THESE DRAWINGS ARE INSIDE CLEAR DIMENSIONS UNLESS NOTED OTHERWISE.
- SLOPE ALL HORIZONTAL SANITARY WASTE AND VENT PIPING A MINIMUM OF A 1/4" PER FOOT FOR 2 1/2" AND SMALLER, 1/8" PER FOOT FOR 3" TO 6", AND 1/16" FOR 8" AND LARGER.
- SLOPE ALL HORIZONTAL ROOF DRAINAGE PIPING A MINIMUM OF A 1/8" PER FOOT UNLESS NOTED OTHERWISE.
- 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.
- ALL UNDERGROUND DUCT SHALL SLOPE TO ALLOW DRAINAGE TO A POINT PROVIDED WITH ACCESS.
- PROVIDE CLEANOUTS EVERY 100 FEET ON HORIZONTAL WASTE LINES. EVERY CHANGE OF DIRECTION GREATER THAN 45° AT THE BASE OF WASTE STACKS, AND NEAR THE POINT THE SEWER ENTERS THE BUILDING.
- SEISMIC RESTRAINTS ARE REQUIRED PER 2021 IBC. ENGINEERING AND RESTRAINT SELECTION ARE THE RESPONSIBILITY OF THE MECHANICAL AND PLUMBING CONTRACTORS.
- FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY.
- O&M MANUALS FOR THE PROJECT SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY AND INCLUDE THE FOLLOWING ITEMS: EQUIPMENT SUBMITTALS, MANUFACTURER'S O&M'S, NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY, HVAC AND SERVICE HOT WATER CONTROLS MAINTENANCE AND CALIBRATION INFORMATION, AND A NARRATIVE OF HOW EACH PIECE OF EQUIPMENT IS TO OPERATE INCLUDING SETPOINTS.
- PROVIDE AIR AND WATER BALANCING REPORTS TO BUILDING INSPECTOR PRIOR TO FINAL INSPECTION.
- PIPE EXPANSION JOINTS IN THE VERTICAL RISERS AND HORIZONTAL RUNS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. FOLLOW THE INSTALLATION RECOMMENDATIONS FOR EACH PIPE MANUFACTURE. EXPANSION JOINTS SHOWN IN THE DRAWINGS ARE MINIMUM REQUIREMENTS AND WILL VARY BASED ON ACTUAL PIPE ROUTING. IF DESIGN ASSISTANCE IS NEEDED PLEASE CONTACT JTB.
- SLOPE ALL HORIZONTAL GREASE WASTE AND VENT PIPING A MINIMUM OF A 1/4" PER FOOT, ALL SIZES.



## PERMIT SET

REV.	DATE	DESCRIPTION
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-	-	-
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-	-	-
A	4/8/2026	RELEASED FOR PERMIT

**JTB HVAC & Plumbing Engineering, Inc.**  
 922 W. Baxter Drive, Suite 100  
 South Jordan, UT 84095  
 JTBEngineering.net - (801) 849-8590

PROJECT NAME:		<b>STONE CREEK DENTAL</b>	
ADDRESS:		10509 RIVER HEIGHTS DRIVE, STE 203 SOUTH JORDAN, UT 84095	
DRAWING TITLE:			
TITLE SHEET		SHEET NUMBER	
JOB NO.:	26,052	SHEET NUMBER	
DATE:	4/8/2026	M001	
DRAWN BY:	TSC		
SCALE:	NONE		

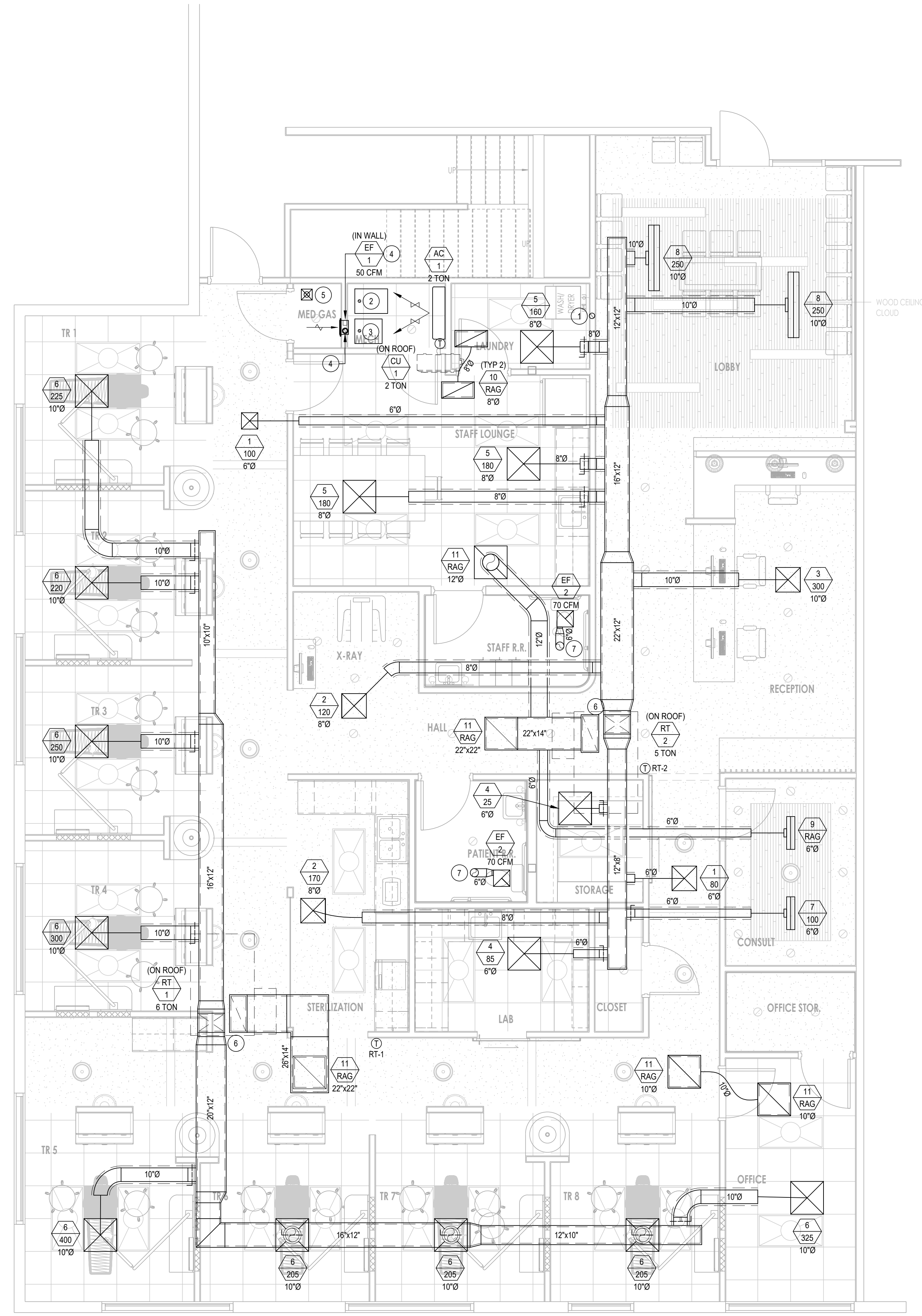
# MATERIAL SPECIFICATIONS

<p><b>MECHANICAL SPECIFICATIONS (UNLESS NOTED OTHERWISE ON PLANS)</b></p> <p><b>LOW PRESSURE RECTANGULAR DUCT</b></p> <ul style="list-style-type: none"> <li>SUPPLY AND RETURN DUCT:                     <ul style="list-style-type: none"> <li>RESIDENTIAL AREAS - ABOVE CEILING - SINGLE WALL SHEET METAL WITH 1" LINER ON RETURN</li> <li>COMMERCIAL AREA - ABOVE CEILING - SINGLE WALL SHEET METAL WITH 1" LINER.</li> <li>EXPOSED - SINGLE WALL SHEET METAL.</li> <li>EXHAUST DUCT - SINGLE WALL SHEET METAL.</li> <li>OUTSIDE AIR DUCT - SINGLE WALL SHEET METAL WITH 1" LINER.</li> </ul> </li> <li>LOW PRESSURE ROUND DUCT                     <ul style="list-style-type: none"> <li>SUPPLY AND RETURN DUCT:                             <ul style="list-style-type: none"> <li>ABOVE CEILING - SINGLE WALL SHEET METAL WITH 1-1/2" INSULATION WRAP.</li> <li>EXPOSED - SINGLE WALL SHEET METAL.</li> <li>EXHAUST DUCT - SINGLE WALL SHEET METAL.</li> <li>COMBUSTION AIR DUCT                                     <ul style="list-style-type: none"> <li>STANDARD EFFICIENT EQUIPMENT - SINGLE WALL SHEET METAL.</li> <li>90%+ EFFICIENT EQUIPMENT - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> </ul> </li> <li>OUTSIDE AIR DUCT - SINGLE WALL SHEET METAL WITH 1-1/2" INSULATION WRAP.</li> </ul> </li> </ul> </li> </ul> <p><b>BELOW GRADE DUCT (ROUND OR RECTANGULAR)</b></p> <ul style="list-style-type: none"> <li>SUPPLY AND RETURN DUCT - BLUEDUCT OR APPROVED EQUIVALENT.</li> <li>SUPPLY AND RETURN DUCT - SINGLE WALL SHEET METAL WITH PVS COATING.</li> </ul> <p><b>FLUE PIPING</b></p> <ul style="list-style-type: none"> <li>STANDARD EFFICIENT EQUIPMENT.                     <ul style="list-style-type: none"> <li>SINGLE WALL - ALUMINUM SINGLE WALL (SEE DRAWINGS FOR LOCATIONS).</li> <li>DOUBLE WALL - ALUMINUM B-VENT PIPE.</li> </ul> </li> <li>90%+ EFFICIENT EQUIPMENT - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> </ul> <p><b>GENERATOR EXHAUST PIPING</b></p> <ul style="list-style-type: none"> <li>PIPING TO BE 304 STAINLESS STEEL WITH WELDED CONNECTIONS WITH LONG RADIIUS FITTINGS ONLY, 1.5D OR GREATER. COVER WITH (2) LAYERS OF 1.5" CALCIUM SILICATE INSULATION, JM THERMO-12 GOLD OR EQUAL. OFFSET SEAMS OF THE TWO LAYERS BY 90°.</li> </ul>	<p><b>KITCHEN EXHAUST (GREASE) DUCT (EITHER OPTION)</b></p> <ul style="list-style-type: none"> <li>CARBON STEEL, MINIMUM THICKNESS OF 16 GAGE WITH WELDED JOINTS. FIRE WRAP INSULATION CONFORMING TO ASTM STANDARD E2336, ZERO CLEARANCE.</li> <li>STAINLESS STEEL SINGLE WALL ROUND MANUFACTURED DUCT WITH CLAMP JOINTS, FIRE WRAP INSULATION CONFORMING TO ASTM STANDARD E2336, ZERO CLEARANCE.</li> <li>STAINLESS STEEL DOUBLE WALL ROUND MANUFACTURED DUCT WITH CLAMP JOINTS, ZERO CLEARANCE RATED.</li> </ul> <p><b>REFRIGERANT PIPING</b></p> <ul style="list-style-type: none"> <li>ACR COPPER TUBING WITH BRAZED OR PRESS CONNECTIONS. VAPOR LINES TO BE INSULATED WITH 1/2" INSULATION. LIQUID LINES EXPOSED TO DIRECT SUNLIGHT TO ALSO BE INSULATED. INSULATION TO BE UL 94-FV CLASSIFIED AND TO BE CLOSED CELL ELASTOMERIC-FOAM MATERIAL.</li> </ul> <p><b>CLOTHES DRYER</b></p> <ul style="list-style-type: none"> <li>GALVANIZED STEEL NOT LESS THAN 0.016" (27 GAGE) IN THICKNESS. DUCT SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN PLACE.</li> </ul>
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<p><b>PLUMBING SPECIFICATIONS (UNLESS NOTED OTHERWISE ON PLANS)</b></p> <p><b>ABOVE GRADE PIPING</b></p> <ul style="list-style-type: none"> <li>SANITARY WASTE - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> <li>SANITARY VENT - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> <li>SANITARY WASTE &amp; VENT IN PLENUMS - PVC WITH PLENUM RATED INSULATION OR CPVC WITH SOLVENT GLUED DWV FITTINGS (IF ALLOWED BY LOCAL JURISDICTION).</li> <li>GREASE WASTE - SCH40 SOLID-CORE ABS DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> <li>DOMESTIC COLD WATER - 1-1/2" AND SMALLER - BLUE PEX TUBING WITH POLYALLOY CRIMPED FITTINGS.</li> <li>DOMESTIC COLD WATER - 2" AND LARGER - CPVC PIPE WITH GLUED FITTINGS OR TYPE 'K' COPPER TUBING WITH LEAD-FREE SOLDERED JOINTS.</li> <li>DOMESTIC HOT WATER - 1-1/2" AND SMALLER - RED PEX TUBING WITH POLY ALLOY CRIMPED FITTINGS AND FIBERGLASS INSULATION PER BELOW.                     <ul style="list-style-type: none"> <li>1" FIBERGLASS INSULATION FOR 1-1/4" AND SMALLER.</li> <li>1-1/2" FIBERGLASS INSULATION FOR PIPING 1-1/2" AND LARGER.</li> </ul> </li> <li>DOMESTIC HOT WATER - 2" AND LARGER - CPVC PIPE WITH GLUED FITTINGS OR TYPE 'K' COPPER TUBING WITH LEAD-FREE SOLDERED JOINTS WITH WELDED JOINTS.</li> <li>NATURAL GAS - 2-1/2" - SCH40 BLACK PIPE WITH THREADED JOINTS</li> <li>NATURAL GAS - 2-1/2" - SCH40 BLACK PIPE WITH WELDED JOINTS</li> <li>NATURAL GAS - 4" - SCH 40 BLACK PIPE WITH GAS RATED CARBON STEEL PRESS FITTINGS.</li> </ul>	<p><b>ABOVE GRADE PIPING (CONT)</b></p> <ul style="list-style-type: none"> <li>CONDENSATE DRAINS - (INSIDE) SCH40 PVC WITH SOLVENT CEMENT JOINTS.</li> <li>CONDENSATE DRAINS - (OUTSIDE) TYPE 'M' CU TUBING WITH SOLDERED JOINTS.</li> <li>CONDENSATE DRAINS IN PLENUMS - PVC WITH PLENUM RATED INSULATION OR CPVC WITH SOLVENT GLUED DWV FITTINGS (IF ALLOWED BY LOCAL JURISDICTION).</li> <li>ROOF DRAINS - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.                     <ul style="list-style-type: none"> <li>INSULATE HORIZONTAL PIPING OVER LIVING SPACES OR BEDROOMS TO BE INSULATED FOR SOUND DAMPENING WITH HIGH-DENSITY ACOUSTIC INSULATION.</li> <li>INSULATE ROOF DRAIN BOWLS</li> </ul> </li> <li>ROOF DRAINS IN PLENUMS - PVC WITH PLENUM RATED INSULATION OR CPVC WITH SOLVENT GLUED DWV FITTINGS (IF ALLOWED BY LOCAL JURISDICTION).</li> </ul> <p><b>BELOW GRADE PIPING</b></p> <ul style="list-style-type: none"> <li>SANITARY WASTE - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> <li>GREASE WASTE - SCH40 SOLID-CORE ABS DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> <li>ROOF DRAINS - SCH40 SOLID-CORE PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS.</li> <li>DOMESTIC COLD WATER - 1-1/2" AND SMALLER - BLUE PEX TUBING WITH POLYALLOY CRIMPED FITTINGS.</li> <li>DOMESTIC COLD WATER - 2" AND LARGER - CPVC WITH GLUED FITTINGS OR TYPE 'K' COPPER TUBING WITH LEAD-FREE SOLDERED JOINTS.</li> </ul>
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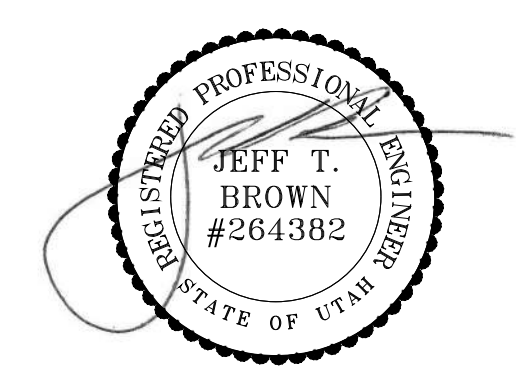
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NORTH  
MECHANICAL PLAN  
SCALE: 1/4"=1'-0"

**KEYED NOTES**

- 1 4" DRYER VENT UP THRU ROOF. PROVIDE BACKDRAFT DAMPER AND VENT TERMINATION.
- 2 2" SCH 40 PVC FRESH AIR INTAKE FROM ROOF TO DENTAL AIR COMPRESSOR. REFER TO PATTERSON DENTAL PLANS. FIELD VERIFY.
- 3 2" SCH 40 PVC DIRECT EXHAUST FROM DRY VACUUM SYSTEM UP THRU ROOF. VENT MUST BE AT LEAST 15FT. TERMINATE DOWNWARD TO PREVENT RAINWATER FROM ENTERING VENT. REFER TO PATTERSON DENTAL PLANS. FIELD VERIFY.
- 4 4" EXHAUST DUCT UP THRU ROOF WITH BACKDRAFT DAMPER, BIRDSCREEN, AND ROOF CAP. EXHAUST TERMINATION AT ROOF TO BE AT LEAST 3" ABOVE ANY FRESH AIR INTAKE. DUCT SHALL BE ENCLOSED IN A 1HR RATED SHAFT ENCLOSURE FROM THE ROOM TO THE EXTERIOR. EXHAUST FAN IN WALL TO BE 12" AFF AND LOCATED ADJACENT TO THE CYLINDERS AND REMAIN UNOBSTRUCTED. WALL WIDTH TO BE 6" OR GREATER. FIELD VERIFY EXACT LOCATION.
- 5 4" O.A. INTAKE DUCT FROM ROOF. PROVIDE BIRDSCREEN AND ROOF CAP. DUCT SHALL BE ENCLOSED IN A 1HR RATED SHAFT ENCLOSURE FROM THE ROOM TO THE EXTERIOR.
- 6 LINED SUPPLY & RETURN DUCT FROM ROOFTOP UNIT.
- 7 6" EXHAUST DUCT UP THRU ROOF. PROVIDE BACKDRAFT DAMPER, BIRDSCREEN, AND ROOF CAP.



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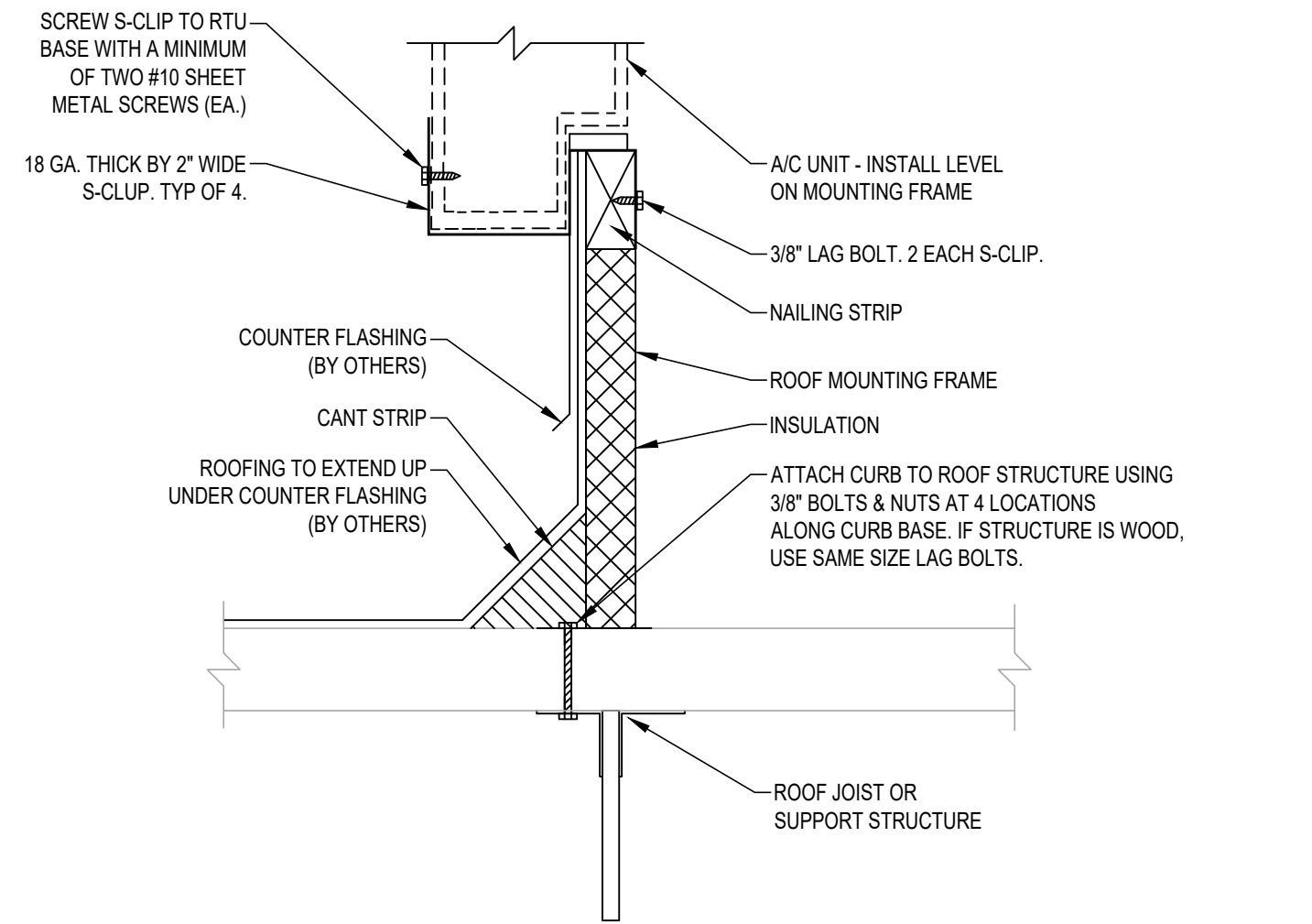
**JTB HVAC & Plumbing Engineering, Inc.**  
 922 W. Baxter Drive, Suite 100  
 South Jordan, UT 84095  
 JTBEngineering.net - (801) 849-8590

PROJECT NAME:  
**STONE CREEK DENTAL**  
 ADDRESS:  
 10509 RIVER HEIGHTS DRIVE, STE 203  
 SOUTH JORDAN, UT 84095

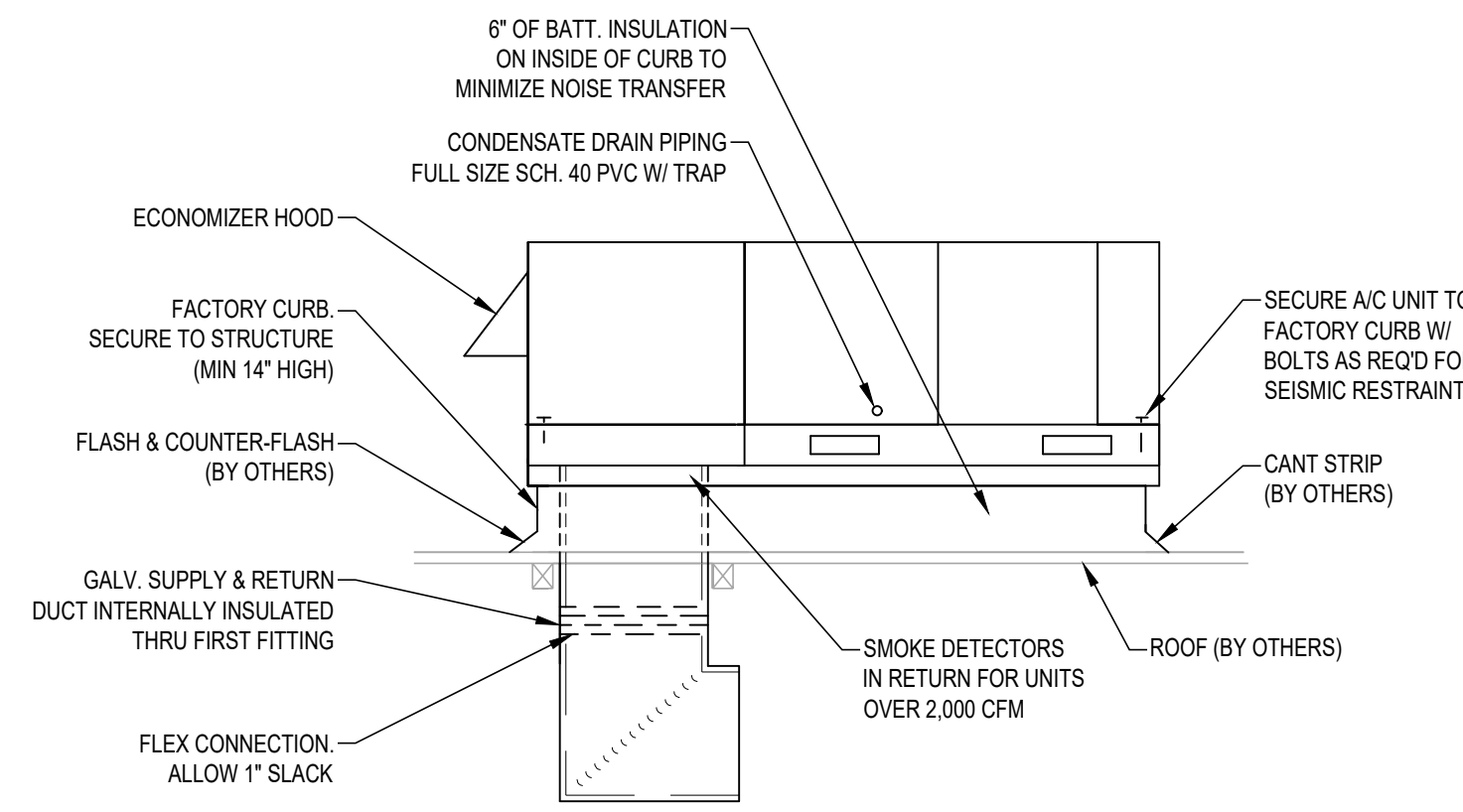
DRAWING TITLE:  
**MECHANICAL PLAN**

JOB NO.:	28,052	SHEET NUMBER
DATE:	4/8/2026	M201
DRAWN BY:	TSC	
SCALE:	1/4"=1'-0"	

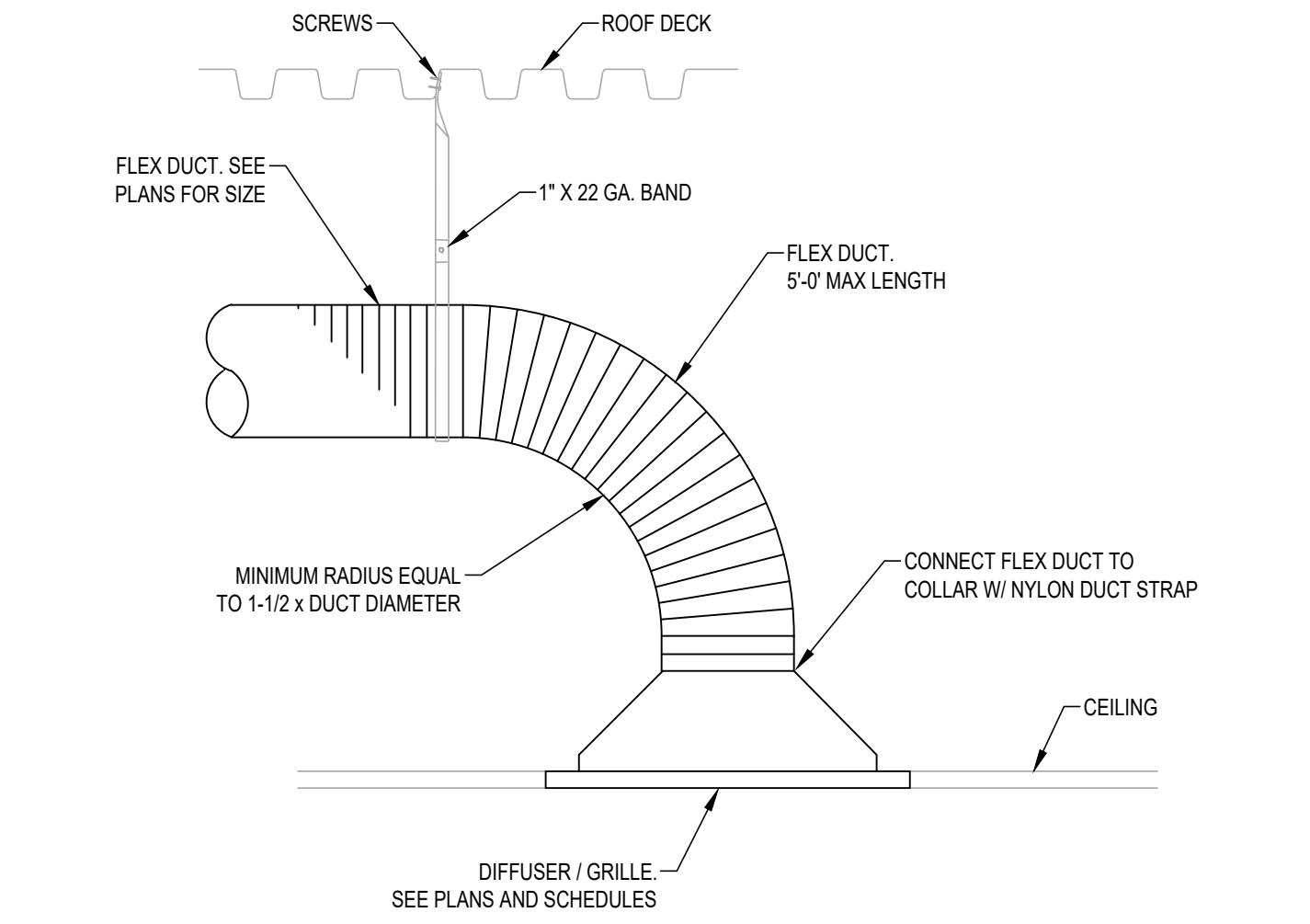
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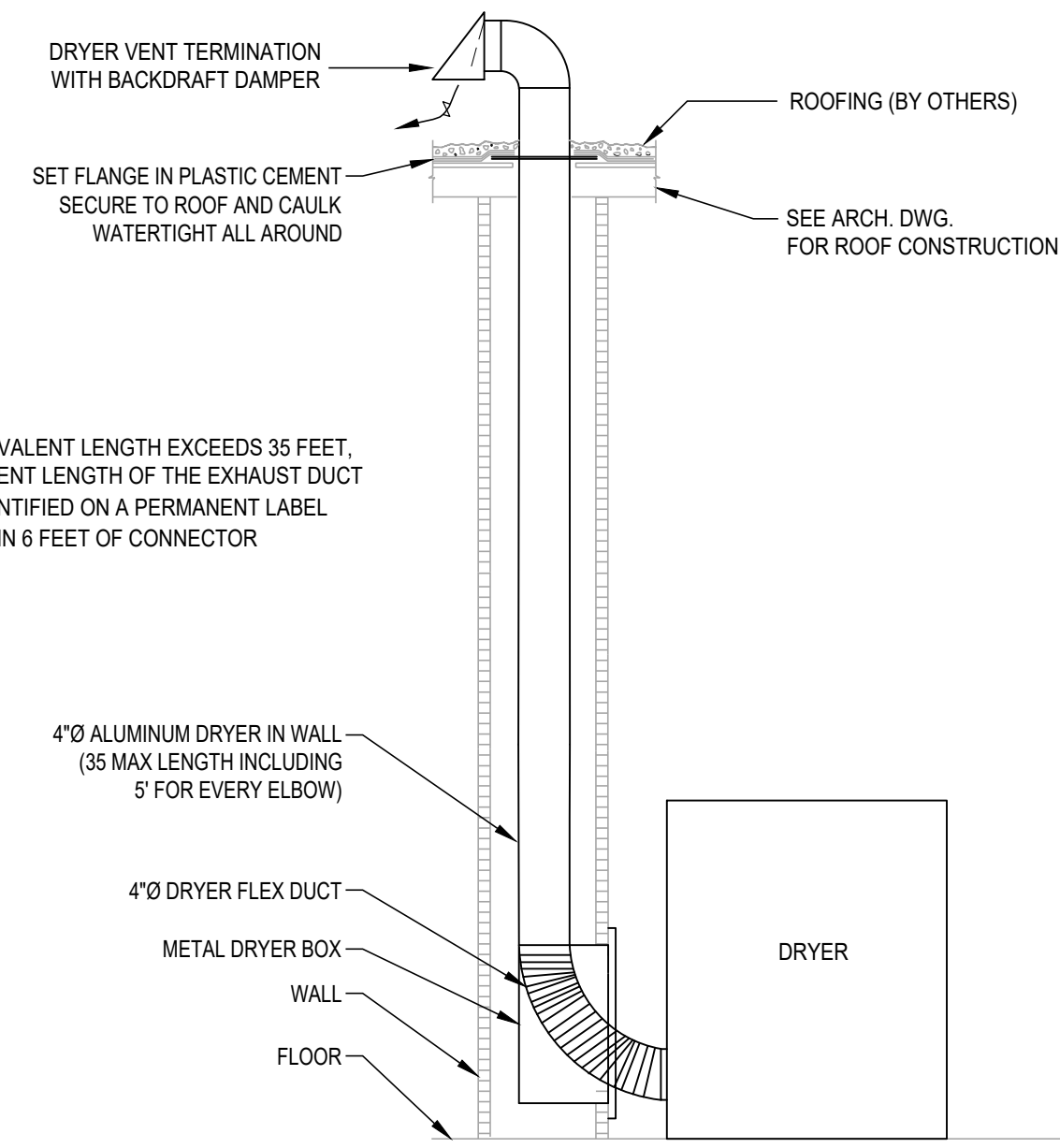
**A** RTU ROOF CURB (HIGH WIND/SEISMIC) DETAIL  
SCALE: NTS



**B** PACKAGED ROOFTOP UNIT DETAIL  
SCALE: NTS

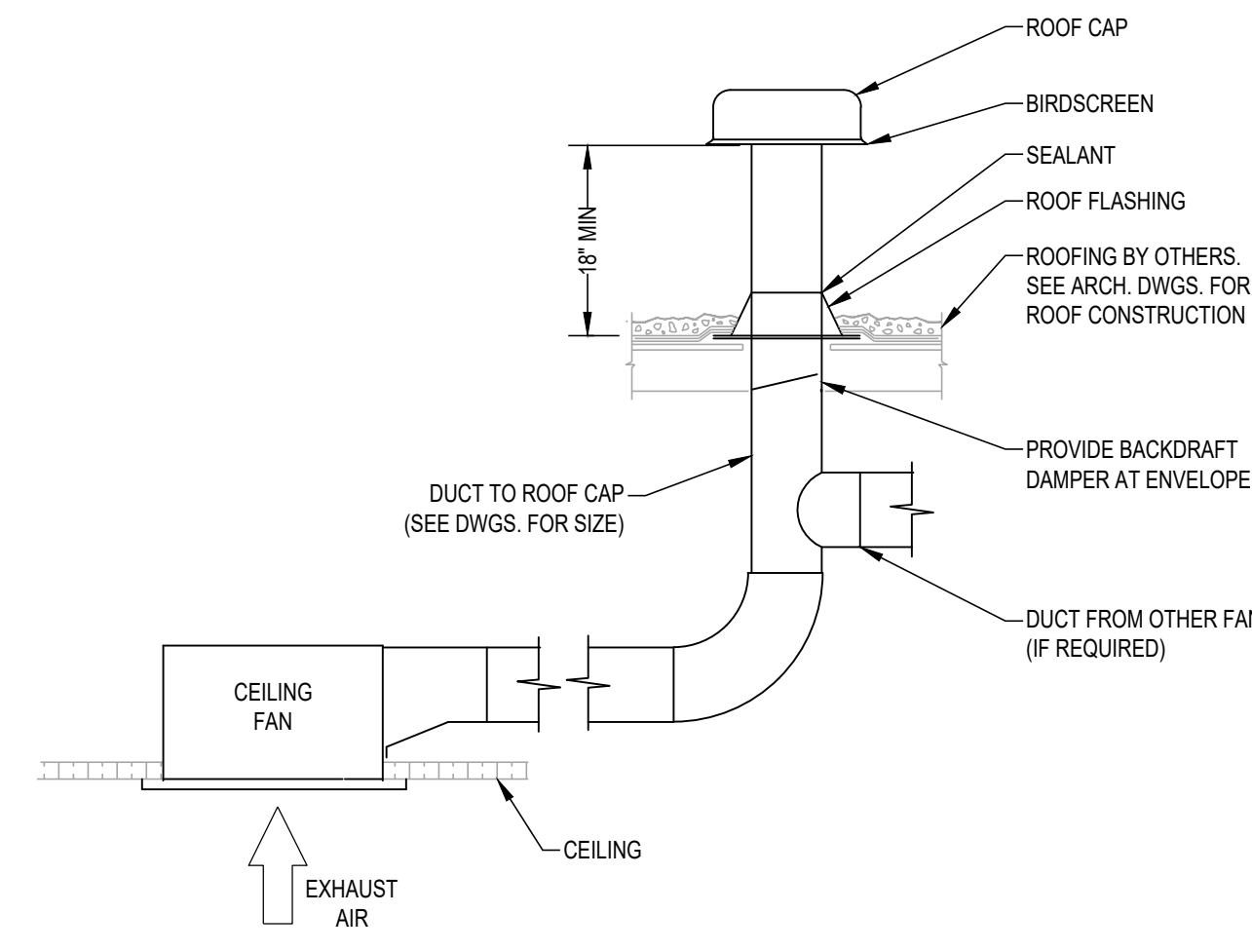


**C** CEILING MOUNTED SUPPLY DIFFUSER DETAIL  
SCALE: NTS

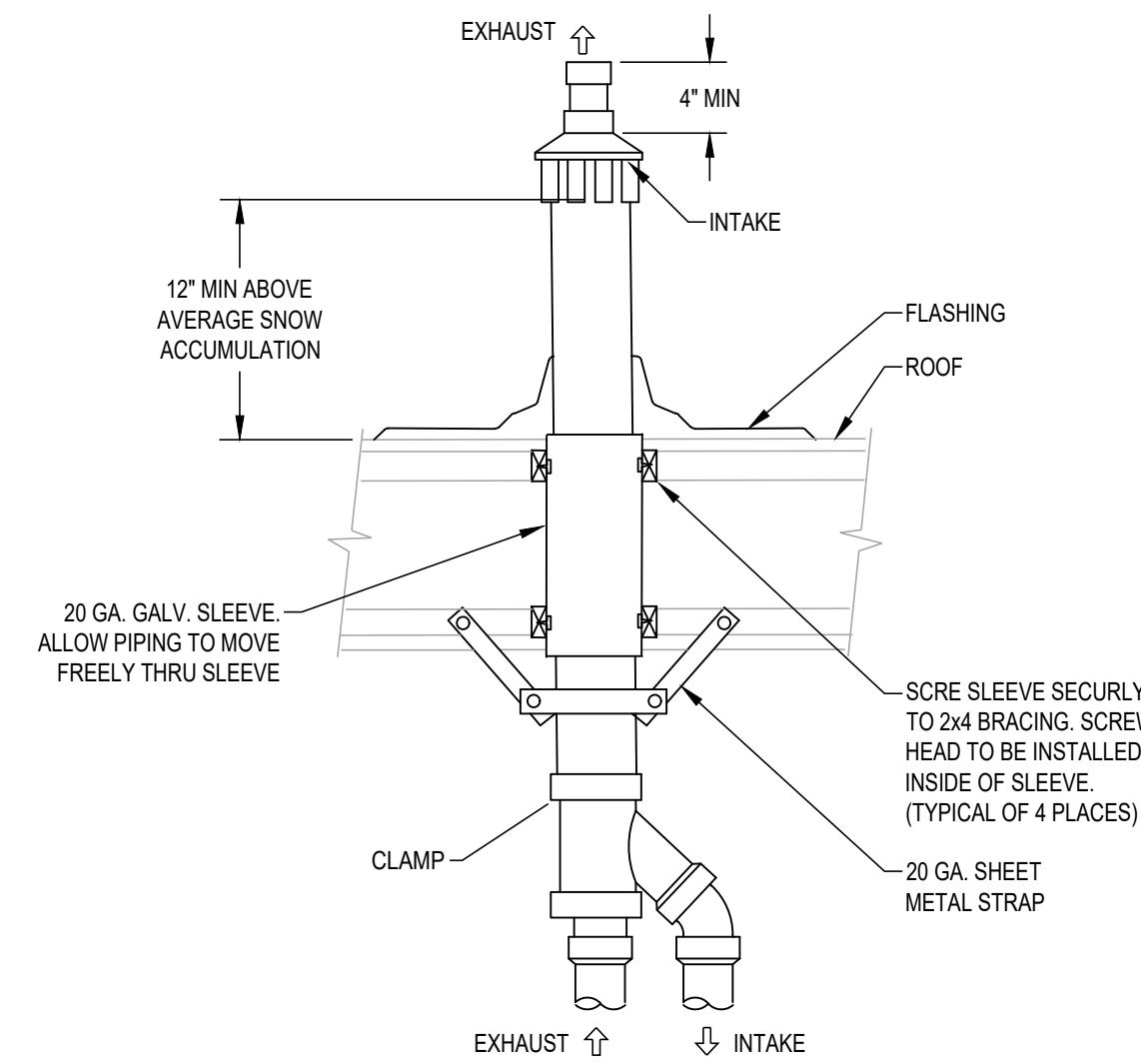


NOTE:  
IF DUCT EQUIVALENT LENGTH EXCEEDS 35 FEET, THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG WITHIN 6 FEET OF CONNECTOR

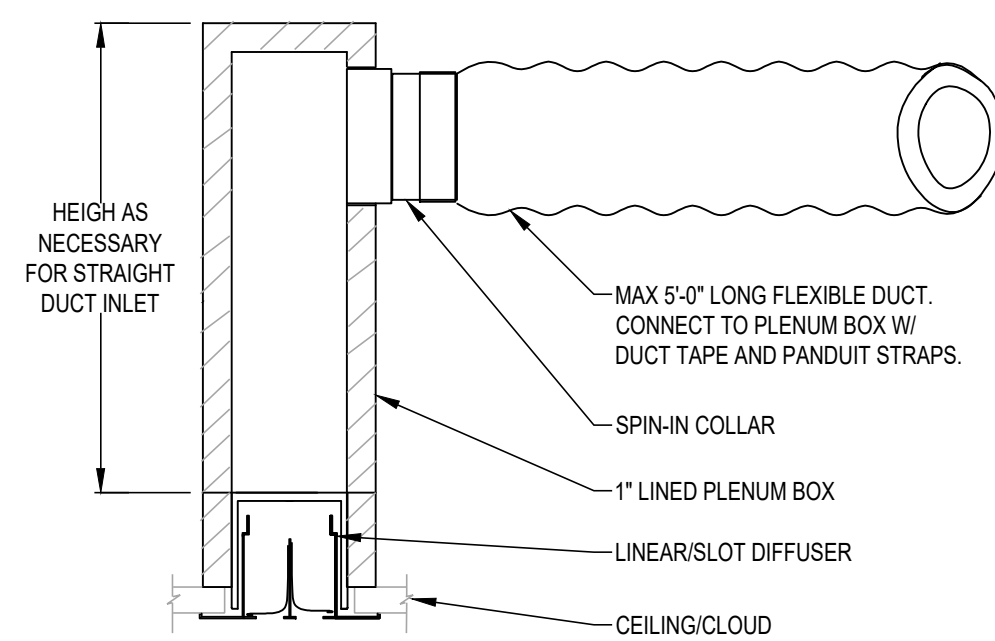
**D** DRYER DUCT DETAIL  
SCALE: NTS



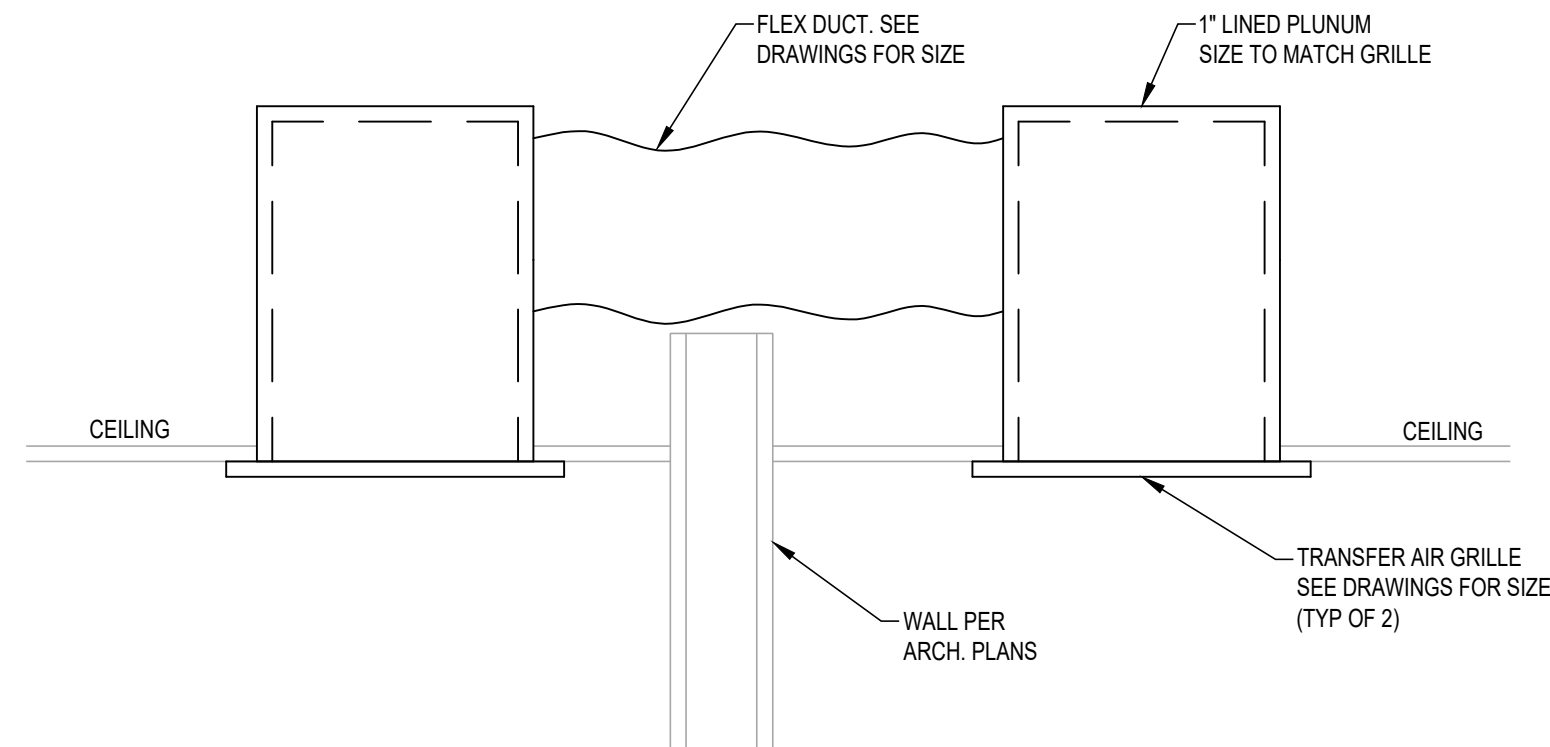
**E** RESTROOM EXHAUST FAN DETAIL  
SCALE: NTS



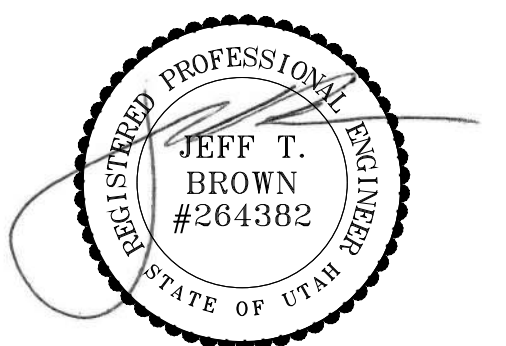
**F** CONCENTRIC ROOF TERMINATION KIT DETAIL  
SCALE: NTS



**G** LINEAR SLOT DIFFUSER DETAIL  
SCALE: NTS



**H** TRANSFER AIR DUCT DETAIL  
SCALE: NTS



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-	-	-
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**JTB HVAC & Plumbing Engineering, Inc.**  
922 W. Baxter Drive, Suite 100  
South Jordan, UT 84095  
JTBEngineering.net - (801) 849-8590

PROJECT NAME:  
**STONE CREEK DENTAL**  
ADDRESS  
10509 RIVER HEIGHTS DRIVE, STE 203  
SOUTH JORDAN, UT 84095

DRAWING TITLE:  
**MECHANICAL DETAILS**

JOB NO.:	26,052	SHEET NUMBER
DATE:	4/8/2026	<b>M501</b>
DRAWN BY:	TSC	
SCALE:	NONE	

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REGISTER, GRILLE, AND DIFFUSER SCHEDULE										
TAG	RGD MOUNTING LOCATION RGD USE	RGD BORDER SIZE INCHES	RGD NECK SIZE INCHES	RGD FACE STYLE	CEILING TYPE	RGD AIR PATTERN	RGD CONNECTION SIZE INCHES	RGD FINISH COLOR	OPTIONS AND ACCESSORIES	RGD MANUFACTURER MODEL NUMBER
2	CEILING MOUNTED SUPPLY AIR	17x17	8"Ø	LOUVER	GYP BOARD	4 WAY	8"Ø	WHITE	OBDA DAMPER	KRUEGER SH
3	CEILING MOUNTED SUPPLY AIR	17x17	10"Ø	LOUVER	GYP BOARD	4 WAY	10"Ø	WHITE	OBDA DAMPER	KRUEGER SH
4	CEILING MOUNTED SUPPLY AIR	24x24	6"Ø	LOUVER	T- BAR	4 WAY	6"Ø	WHITE	-	KRUEGER 1400
5	CEILING MOUNTED SUPPLY AIR	24x24	8"Ø	LOUVER	T- BAR	4 WAY	8"Ø	WHITE	-	KRUEGER 1400
6	CEILING MOUNTED SUPPLY AIR	24x24	10"Ø	LOUVER	T- BAR	4 WAY	10"Ø	WHITE	-	KRUEGER 1400
7	CEILING MOUNTED SUPPLY AIR	26x6	24x5	LINEAR SLOT	CEILING CLOUD	HORZ.	6"Ø	WHITE	3 SLOT(S) @ 3/4" WIDTH, HORIZONTAL THROW W/ 1900BOOT (PLENUM BOX) WITH INLET DAMPER	KRUEGER 1975
8	CEILING MOUNTED SUPPLY AIR	50x8	48x7	LINEAR SLOT	CEILING CLOUD	HORZ.	10"Ø	WHITE	4 SLOT(S) @ 3/4" WIDTH, HORIZONTAL THROW W/ 1900BOOT (PLENUM BOX) WITH INLET DAMPER	KRUEGER 1975
9	CEILING MOUNTED RETRUN AIR	26x6	24x5	LINEAR SLOT	CEILING CLOUD	-	6"Ø	WHITE	3 SLOT(S) @ 3/4" WIDTH W/ 1900BOOT (PLENUM BOX)	KRUEGER 1975
10	CEILING MOUNTED RETURN/TRANSFER AIR	24x12	22x10	PERF.	T-BAR/ GYP	-	22x10	WHITE	INSULATED PLENUM	KRUEGER 6790
11	CEILING MOUNTED RETURN/TRANSFER AIR	24x24	22x22	PERF.	T-BAR/ GYP	-	22x22	WHITE	INSULATED PLENUM	KRUEGER 6790

ROOFTOP UNIT SCHEDULE																						
TAG	ROOFTOP LOCATION AREA SERVED	COOLING					HEATING			FAN			ELECTRICAL			RT WEIGHT LBS.	ROOFTOP MANUFACTURER MODEL NUMBER					
		TONAGE/ EFF	BTUH	SENSIBLE	TOTAL	DESIGN COND. deg F DB/WB	BTUH		CFM at 4,250'	EXT. SP inches	HP	O.A. CFM	POWER V/PHHZ	MCA	FUSE			DISCON- NECT/ STARTER				
							EAT	OAT											INPUT	OUTPUT at 4,250'		
RT 1	ROOF MOUNTED	6	11,200	-	72,000	80	55	98	62	110,000	73,920	2,400	0.5	1/4	150	208/3/60	31	45	BY EC N/A	800	CARRIER 48FEEM07B2A5	2
RT 2	ROOF MOUNTED	5	13,4 SEER2	-	60,000	80	55	98	62	110,000	73,920	2,000	0.5	1/4	315	208/3/60	31	45	BY EC N/A	750	CARRIER 48FEEA06A2A5	1

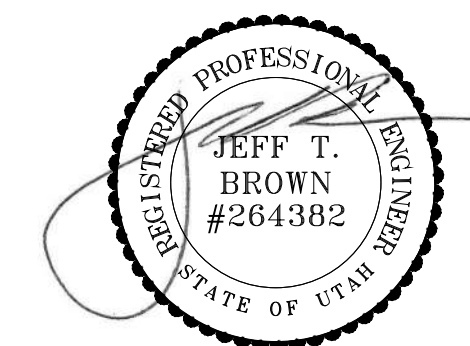
- 1 PROVIDE WITH FACTORY 14" HIGH ROOF CURB, MODULATING ECONOMIZER, BAROMETRIC RELIEF, 2" PLEATED FILTERS, AND 7-DAY PROGRAMMABLE AUTOCHANGE OVER THERMOSTAT.  
 2 PROVIDE WITH FACTORY 14" HIGH ROOF CURB, MODULATING ECONOMIZER, BAROMETRIC RELIEF, RETURN AIR SMOKE DETECTOR, 2" PLEATED FILTERS, AND 7-DAY PROGRAMMABLE AUTOCHANGE OVER THERMOSTAT.

DUCTLESS SPLIT AIR CONDITIONING UNIT SCHEDULE															
TAG	COMPUTER ROOM UNIT LOCATION AREA SERVED	NOMINAL TONS	AMB. DB °F	COOLING				AIR		ELECTRICAL			OPER. WEIGHT lbs.	COMPUTER ROOM UNIT MANUFACTURER MODEL NUMBER	
				BTUH	DESIGN COND. °F DB/WB	CFM at 4,250'	EXT. SP inches	POWER V/PHHZ	MCA/ FUSE	DISCON- NECT/ STARTER					
											SENSIBLE	TOTAL			EAT
AC 1	WALL MOUNTED MECHANICAL ROOM	2	96	-	24,000	80	55	800	N/A	208-230/1/60	3	BY EC N/A	100	CARRIER 45MHRAC24XC3	1 2

- 1 WALL MOUNTED THERMOSTAT AND CONDENSATE PUMP (IF NEEDED).  
 2 INDOOR UNIT POWERED BY OUTDOOR UNIT.

CONDENSING UNIT SCHEDULE														
TAG	CONDENSING UNIT LOCATION AREA SERVED	NOMINAL TONS/ EFF.	AMB. DB °F	ELECTRICAL				CONNECTION SIZES inches		REFRIGERANT	OPER. WEIGHT lbs.	CONDENSING UNIT MANUFACTURER MODEL NUMBER		
				POWER V/PHHZ	HP	MCA/ FUSE	DISCON- NECT/ STARTER	LIQ.	SUCT.					
CU 1	ROOF MECHANICAL ROOM	2	21.1 SEER2	98	208-230/1/60	-	19.0	20	BY EC N/A	3/8	5/8	R454B	70	CARRIER 37MHRAC24AA3

EXHAUST FAN SCHEDULE													
TAG	EXHAUST FAN LOCATION AREA SERVED	FAN				ELECTRICAL				FAN OPER. WEIGHT LBS.	OPTIONS AND ACCESSORIES	EXHAUST FAN MANUFACTURER MODEL NUMBER	
		CFM MAX/ MIN	ESP. INCHES W.C.	FAN WHEEL RPM	SONES/ DB	POWER V/PHHZ	HP	AMPS/ MAX	DISCON- NECT/ STARTER				
EF 1	WALL MOUNT MED GAS ROOM	50	0.25	1,152	0.4	120/1/60	5.4W	0.13	0.29	BY EC N/A	15	TO RUN CONTINUOUSLY BACKDRAFT DAMPER	PANASONIC FV-0511VF1
EF 2	CEILING MOUNT PUBLIC BATHROOMS	70	0.25	902	0.3	120/1/60	8.2W	0.14	0.36	BY EC N/A	15	ON WITH LIGHTS BACKDRAFT DAMPER	PANASONIC FV-0511VK3



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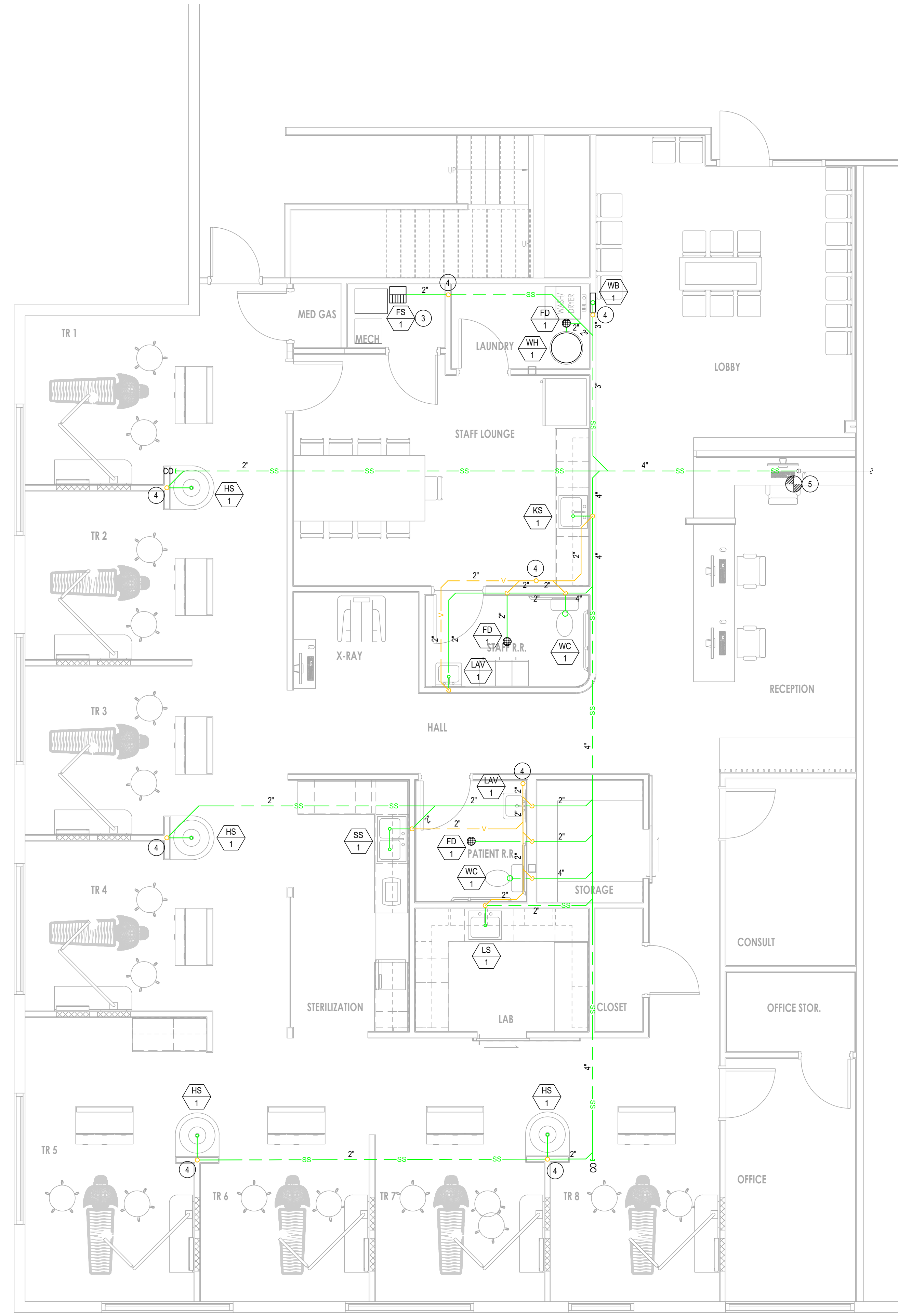
**JTB HVAC & Plumbing Engineering, Inc.**  
 922 W. Baxter Drive, Suite 100  
 South Jordan, UT 84095  
 JTBEngineering.net - (801) 849-8590

PROJECT NAME:  
**STONE CREEK DENTAL**  
 ADDRESS  
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 SOUTH JORDAN, UT 84095

DRAWING TITLE:  
**MECHANICAL SCHEDULES**

JOB NO.:	26,052	SHEET NUMBER
DATE:	4/8/2026	<b>M701</b>
DRAWN BY:	TSC	
SCALE:	NONE	

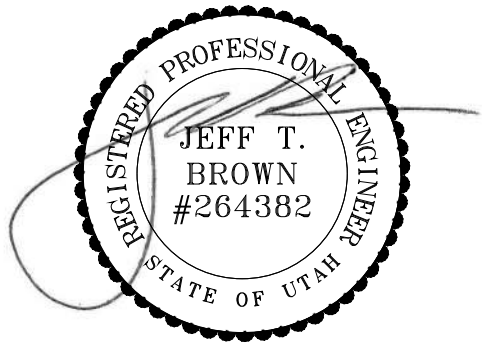
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**WASTE & VENT PLUMBING PLAN**  
 SCALE: 1/4"=1'-0"

**KEYED NOTES**

- ① AIR COMPRESSOR. REFER TO PATTERSON DENTAL PLANS & SHEET P203.
- ② DRY VACUUM. REFER TO PATTERSON DENTAL PLANS & SHEET P203.
- ③ PROVIDE FLOOR SINK FOR COMPRESSOR AND DRY VACUUM DRAINAGE.
- ④ 2" VTR.
- ⑤ CONNECT NEW 4" WASTE LINE TO EXISTING. FIELD VERIFY EXACT LOCATION.



**PERMIT SET**

REV.	DATE	DESCRIPTION
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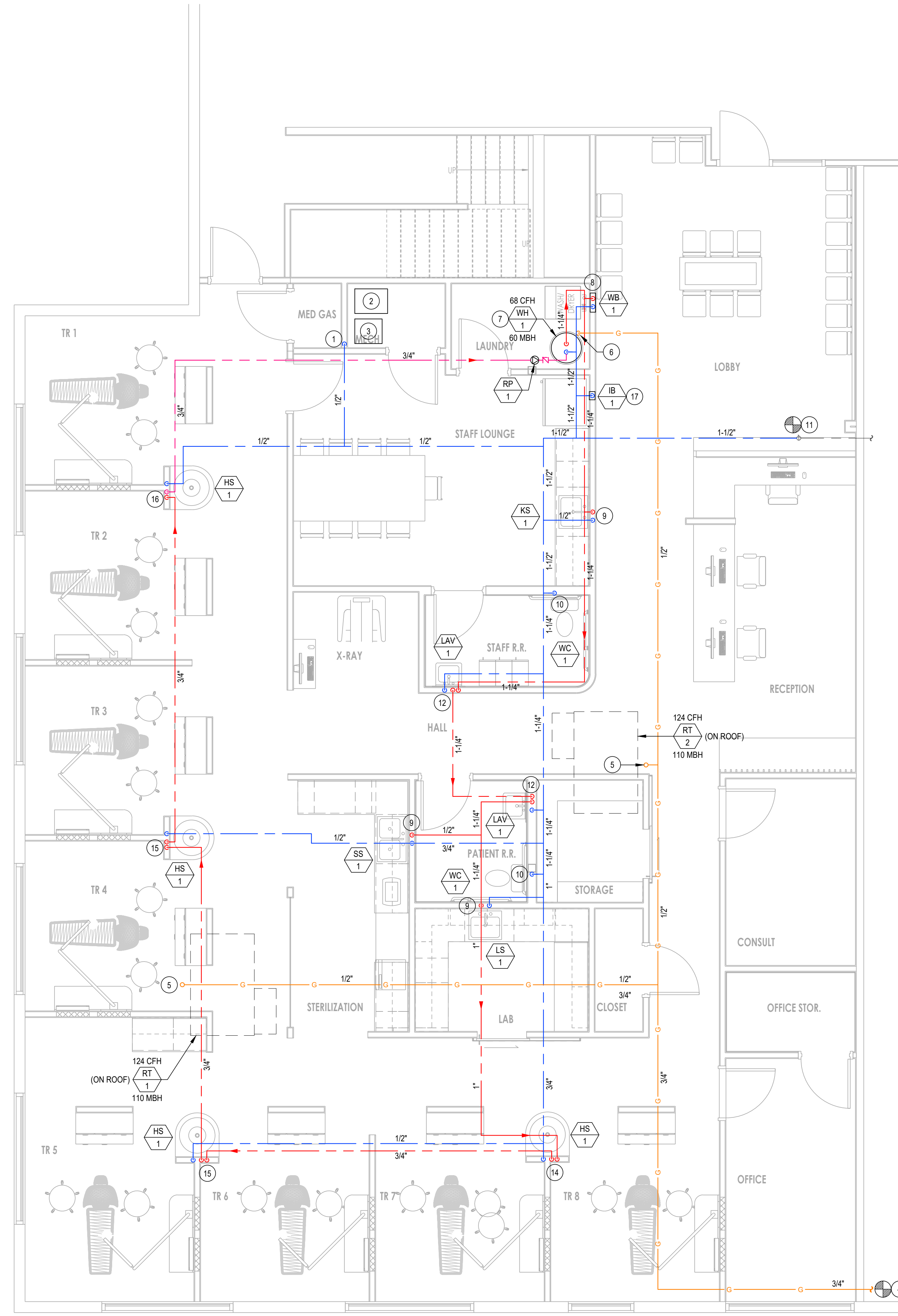
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 ADDRESS:  
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DRAWING TITLE:  
**WASTE & VENT PLUMBING PLAN**

JOB NO.:	28.052	SHEET NUMBER
DATE:	4/8/2026	<b>P201</b>
DRAWN BY:	TSC	
SCALE:	1/4"=1'-0"	

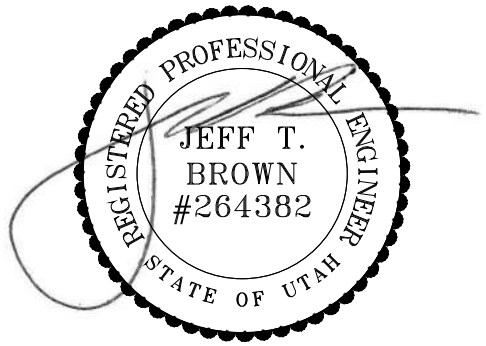
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NORTH  
**WATER & NATGAS PLUMBING PLAN**  
 SCALE: 1/4"=1'-0"

**KEYED NOTES**

- 1 1/2" DCW DROP DOWN WALL WITH 1/2" FNPT SHUTOFF VALVE FOR DAILY TANK WASHOUT. FIELD VERIFY HEIGHT AND LOCATION. REFER TO PATTERSON DENTAL PLANS.
- 2 AIR COMPRESSOR. REFER TO PATTERSON DENTAL PLANS & SHEET P203.
- 3 DRY VACUUM. REFER TO PATTERSON DENTAL PLANS & SHEET P203.
- 4 CONNECT NEW 3/4" 2LB NATGAS LINE TO EXISTING NATGAS LINE STUB FOR THIS SPACE. FIELD VERIFY EXACT LOCATION, SIZE, AND PRESSURE.
- 5 1/2" NATGAS UP THRU ROOF TO ROOFTOP UNIT. PROVIDE FULL PORT SHUT-OFF VALVE, 2LB TO 4OZ PRV, AND FLEX PIPE WITH UNION TO UNIT.
- 6 1/2" NATGAS DROP DOWN WALL TO WATER HEATER. PROVIDE FULL PORT SHUT-OFF VALVE, 2LB TO 4OZ PRV, AND FLEX PIPE WITH UNION TO HEATER.
- 7 1/2" DCW & DHW TO/FROM WATER HEATER.
- 8 1/2" DCW & DHW DROP TO WASHER BOX.
- 9 1/2" DCW & DHW DROP TO SINK.
- 10 1/2" DCW DROP TO TOILET.
- 11 CONNECT NEW 1-1/2" DCW LINE TO EXISTING. FIELD VERIFY EXACT LOCATION.
- 12 1/2" DCW & 1-1/4" DHW DROP DOWN TO LAVATORY. RUN 1/2" DCW & DHW TO LAV, THEN RUN 1-1/4" DHW BACK TO CEILING SPACE.
- 13 1/2" DCW & 1" DHW DROP DOWN TO LAVATORY. RUN 1/2" DCW & DHW TO LAV, THEN RUN 1" DHW BACK TO CEILING SPACE.
- 14 1/2" DCW & 1" DHW DROP DOWN TO LAVATORY. RUN 1/2" DCW & DHW TO LAV, THEN RUN 3/4" DHW BACK TO CEILING SPACE.
- 15 1/2" DCW & 3/4" DHW DROP DOWN TO LAVATORY. RUN 1/2" DCW & DHW TO LAV, THEN RUN 3/4" DHW BACK TO CEILING SPACE.
- 16 1/2" DCW & 3/4" DHW DROP DOWN TO LAVATORY. RUN 1/2" DCW & DHW TO LAV, THEN RUN 3/4" DHWR BACK TO CEILING SPACE.
- 17 1/2" DCW DROP DOWN TO ICE MAKER BOX.



**PERMIT SET**

REV.	DATE	DESCRIPTION
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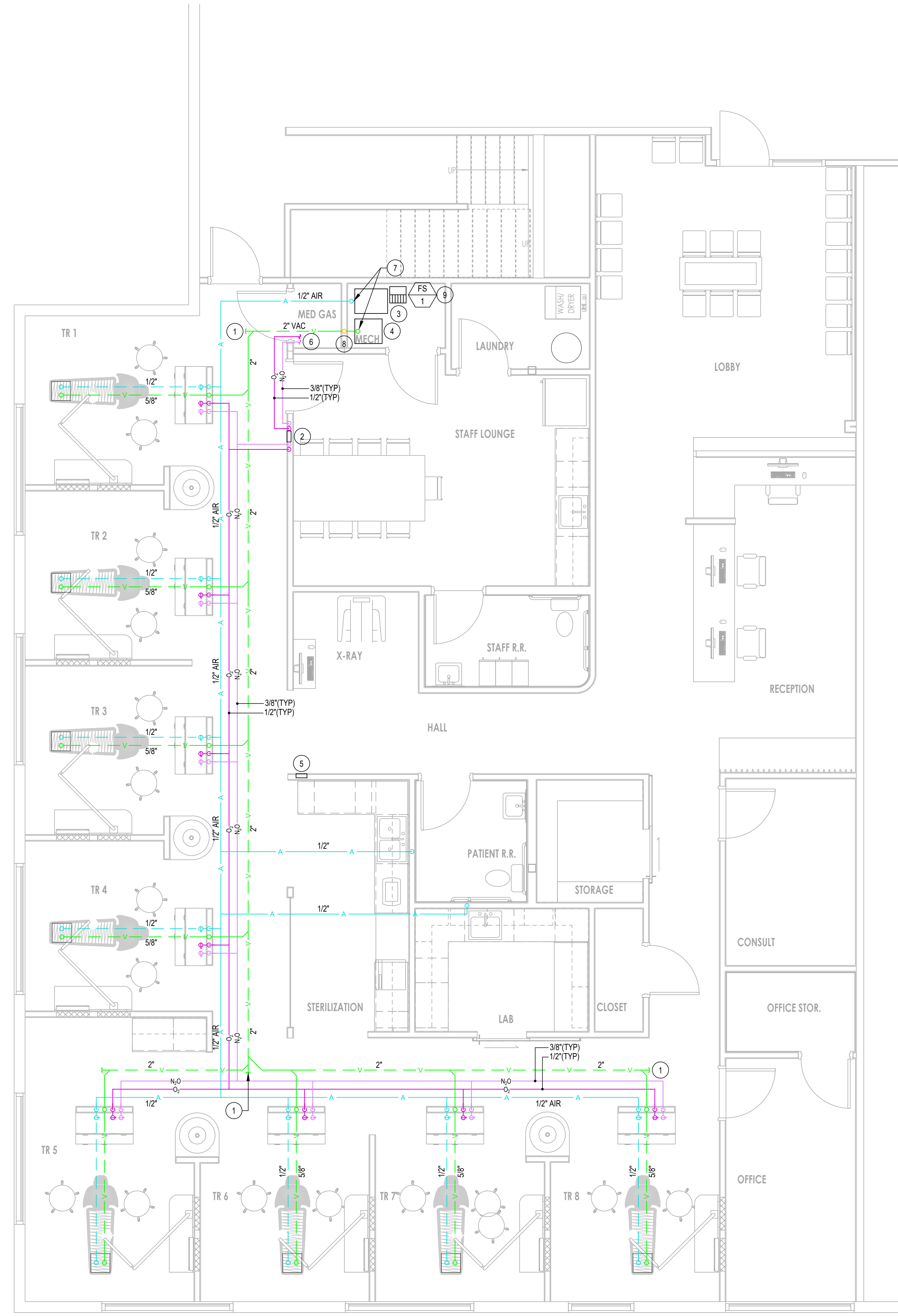
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PROJECT NAME:  
**STONE CREEK DENTAL**  
 ADDRESS  
 10509 RIVER HEIGHTS DRIVE, STE 203  
 SOUTH JORDAN, UT 84095

DRAWING TITLE:  
**WATER & NATGAS PLUMBING PLAN**

JOB NO.:	28,052	SHEET NUMBER
DATE:	4/8/2026	<b>P202</b>
DRAWN BY:	TSC	
SCALE:	1/4"=1'-0"	

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- OVERHEAD 1/2" COPPER AIRLINE
- - - UNDERGROUND SCH 40 PVC VACUUM LINE
- N<sub>2</sub>O OVERHEAD 3/8" N<sub>2</sub>O COPPER MEDICAL RATED PIPE INSTALLED BY CERTIFIED PLUMBER BRAISED WITH NITROGEN PURGE
- O<sub>2</sub> OVERHEAD 1/2" O<sub>2</sub> COPPER MEDICAL RATED PIPE INSTALLED BY CERTIFIED PLUMBER BRAISED WITH NITROGEN PURGE

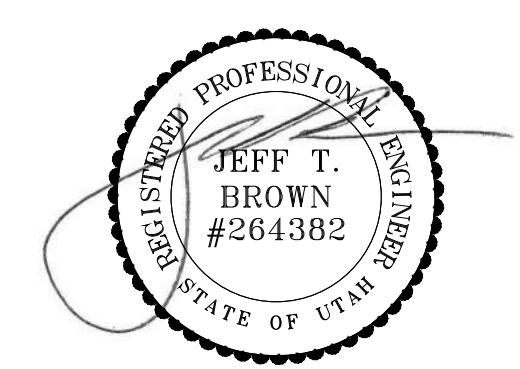
↑ NORTH  
**MED GAS, AIR, & VACUUM PLUMBING PLAN**  
 SCALE: 1/4"=1'-0"

**KEYED NOTES**

- 1 VACUUM CLEANOUT.
- 2 CONNECT O<sub>2</sub> AND N<sub>2</sub>O LINES TO ZONE VALVES BEFORE DISTRIBUTION TO REAR CABINETS.
- 3 DENTAL AIR COMPRESSOR. REFER TO DENTAL PLANS.
- 4 DRY VACUUM SYSTEM. REFER TO DENTAL PLANS.
- 5 N<sub>2</sub>O-O<sub>2</sub> ALARM ON WALL.
- 6 CONNECT O<sub>2</sub> AND N<sub>2</sub>O LINES TO MED GAS TANKS IN MED GAS CLOSET.
- 7 CONNECT AIR AND VAC LINES TO ASSOCIATED EQUIPMENT IN MECH ROOM. FIELD VERIFY.
- 8 2" VTR FOR VACUUM LINE. REFER TO PATTERSON DENTAL PLANS.
- 9 PROVIDE FLOOR SINK FOR COMPRESSOR AND DRY VACUUM DRAINAGE.

**GENERAL NOTES**

- 1 ALL MEDICAL GAS PIPING MUST COMPLY WIT NFPA 99.
- 2 CONTRACTOR TO COORDINATE ALL PIPE DROPS/ RISES LOCATIONS & SIZES WITH THE DENTAL EQUIPMENT SUPPLIER.
- 3 PLEASE REFER TO DENTAL PLUMBING PLANS BY PATTERSON DENTAL FOR ADDITIONAL INFORMATION.



**PERMIT SET**

REV.	DATE	DESCRIPTION
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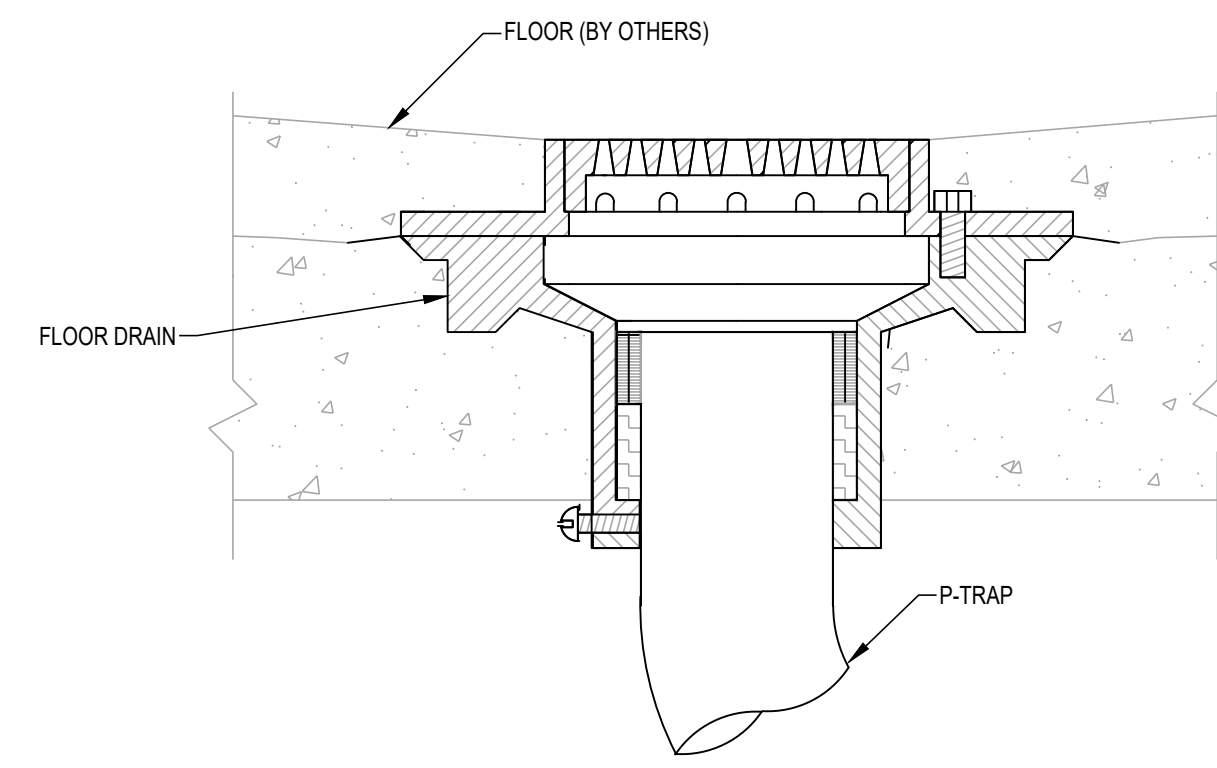
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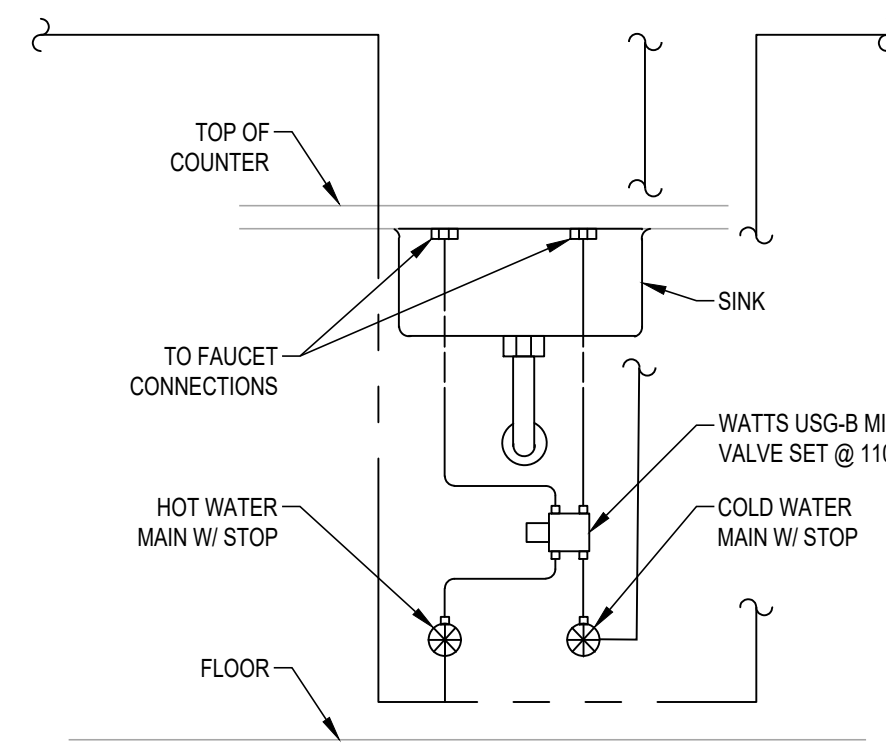
DRAWING TITLE:  
**MED GAS, AIR, & VACUUM PLUMBING PLAN**

JOB NO.:	28,052	SHEET NUMBER
DATE:	4/8/2026	P203
DRAWN BY:	TSC	
SCALE:	1/4"=1'-0"	



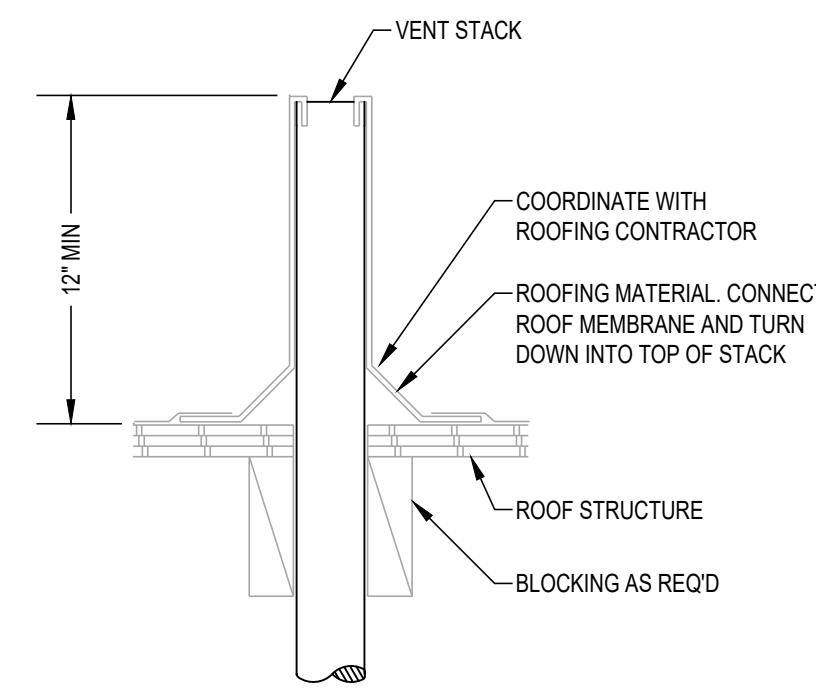
**A FLOOR DRAIN DETAIL**

SCALE: NTS



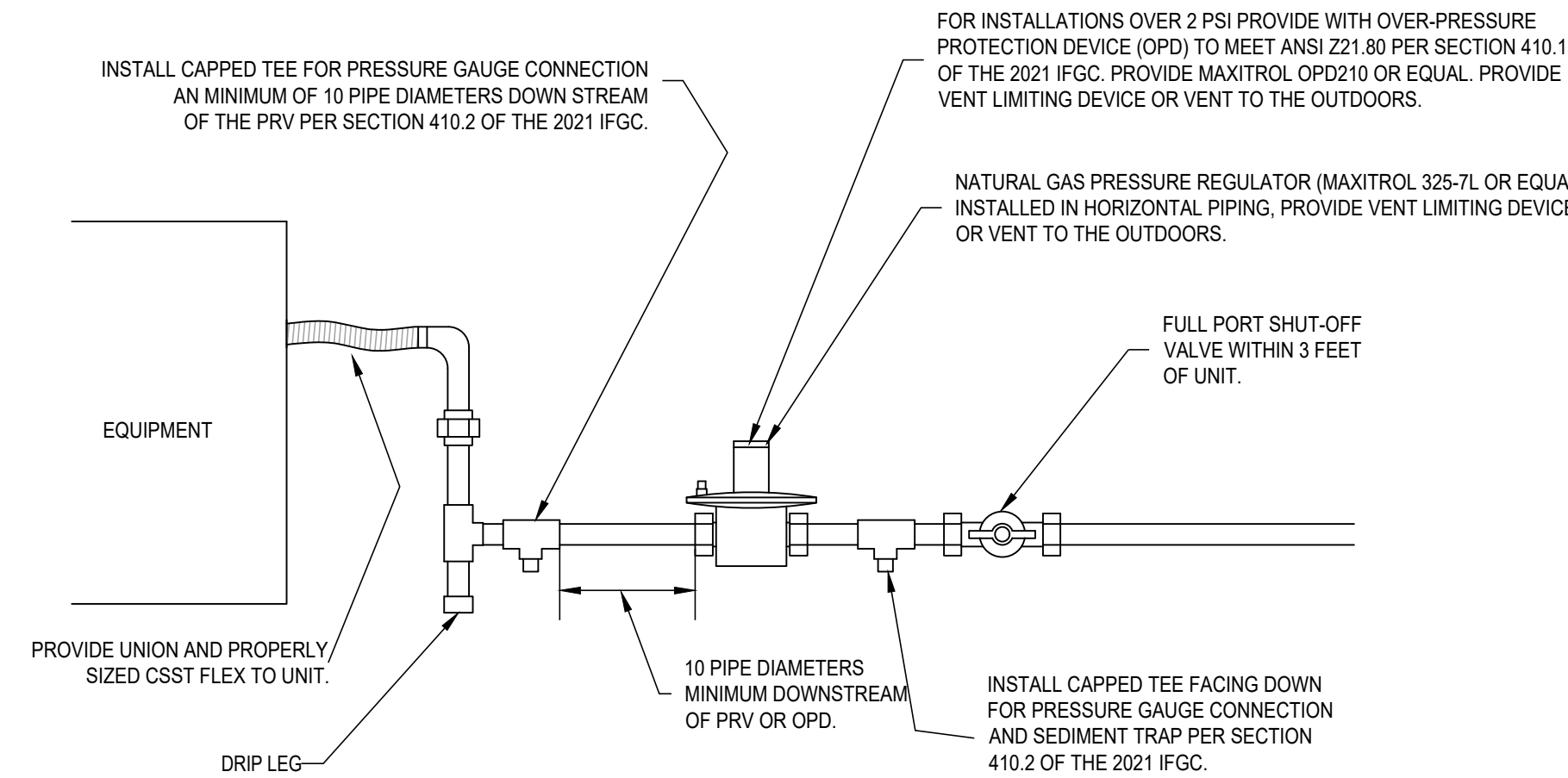
**B LAV MIXING VALVE DETAIL**

SCALE: NTS



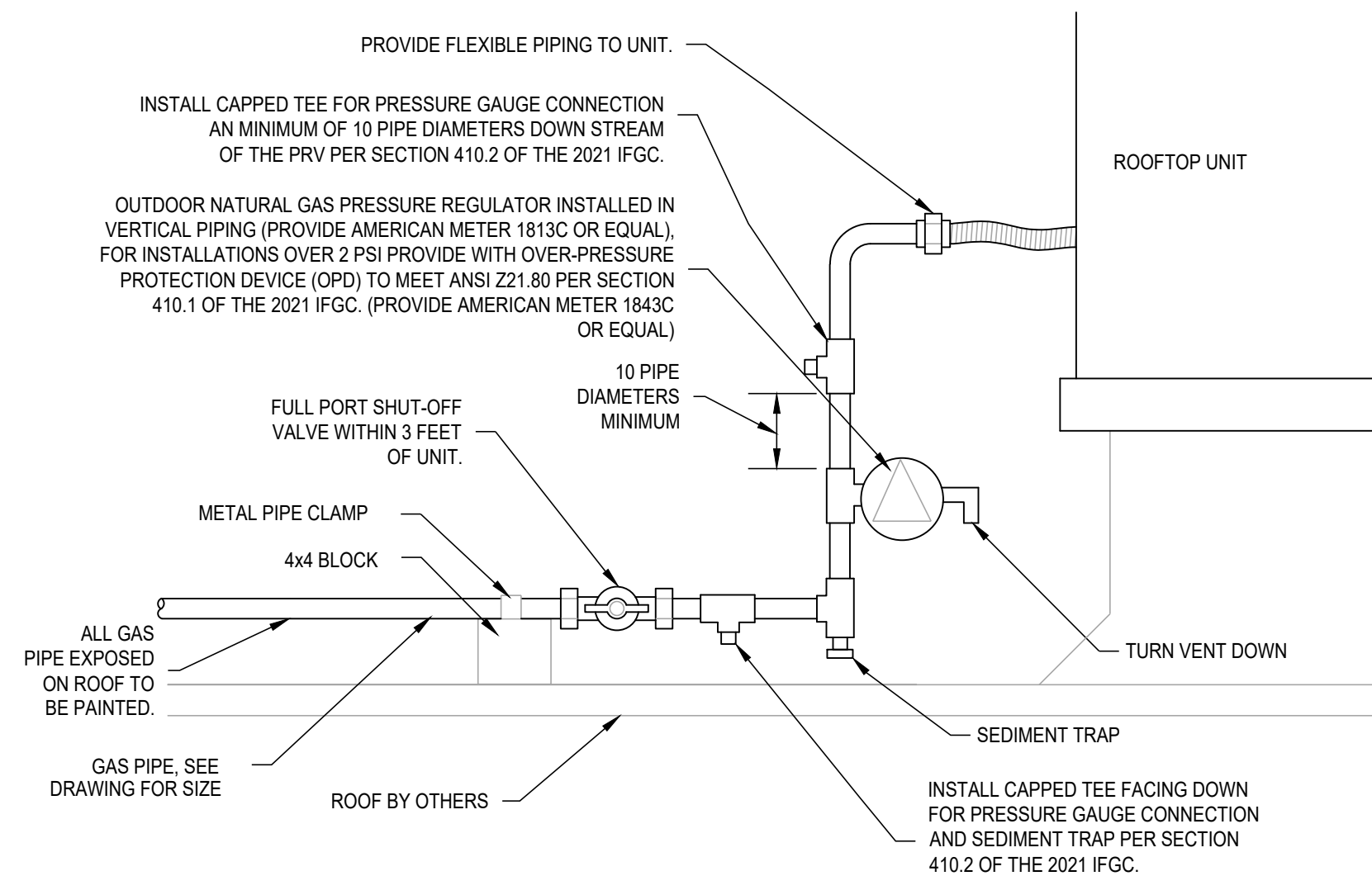
**C VENT THRU ROOF DETAIL**

SCALE: NTS



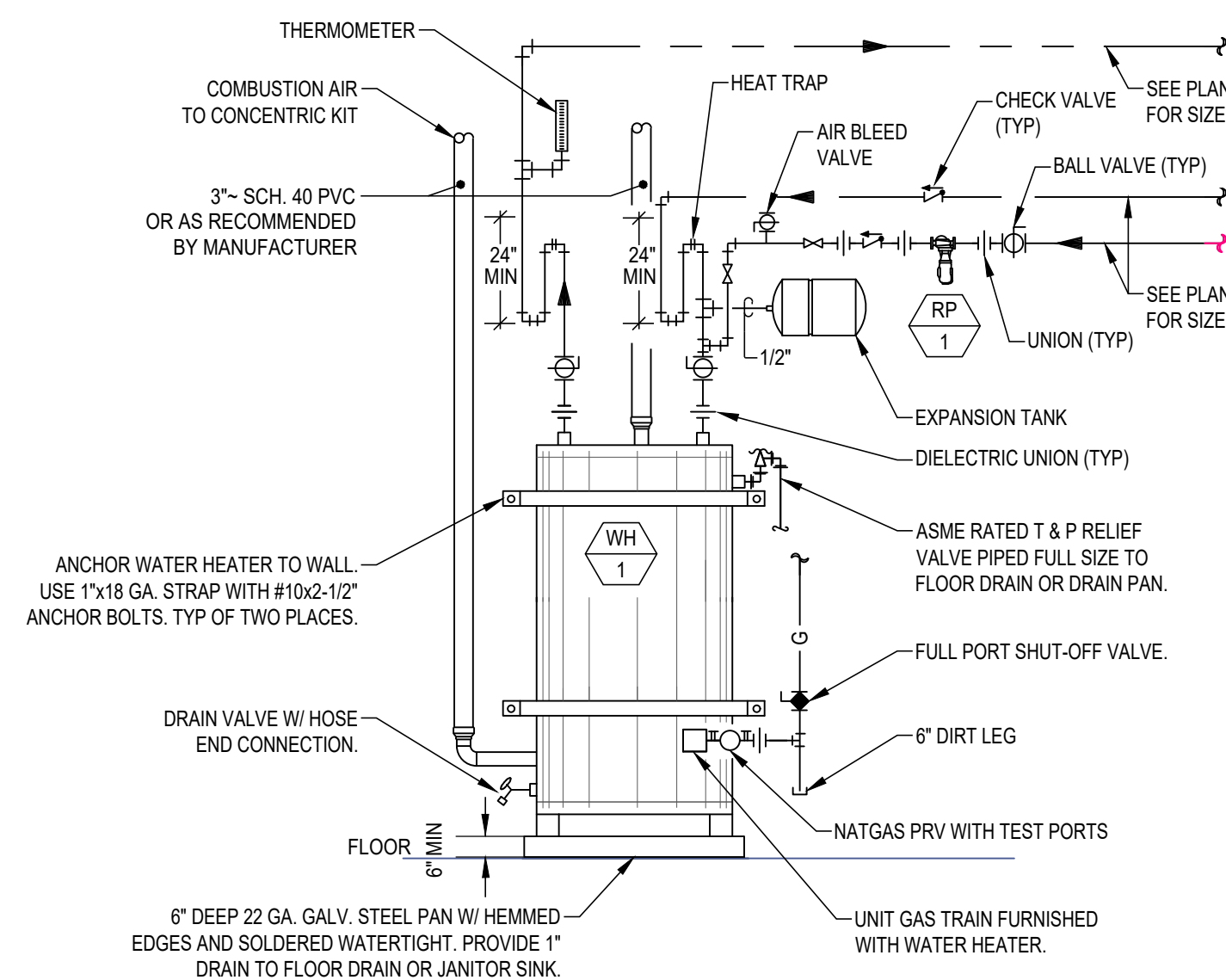
**D NATURAL GAS INDOOR PRESSURE REGULATOR DETAIL**

SCALE: NTS



**E NATURAL GAS OUTDOOR PRESSURE REGULATOR DETAIL**

SCALE: NTS



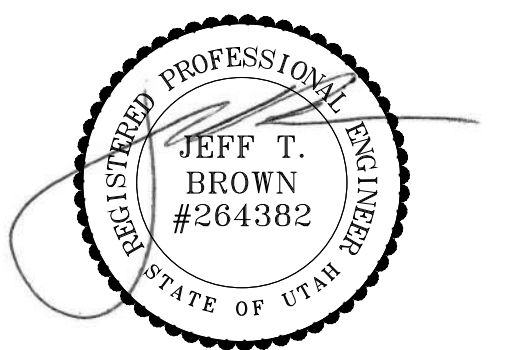
**F HIGH EFFICIENCY NATURAL GAS WATER HEATER DETAIL**

SCALE: NTS

**PLUMBING SCHEDULE**

TAG	FIXTURE TYPE MOUNTING LOCATION	FIXTURE ROUGH-IN SIZES inches					FINISH COLOR	ACCESSORIES AND COMMENTS	FIXTURE MANUFACTURER MODEL NUMBER	
		DOMESTIC WATER COLD	HOT	TRAP	WASTE & VENT TRAP	WASTE				
WC 1	WATER CLOSET-ADA FLOOR MOUNT-TANK	1/2"	-	-	2"	4"	WHITE	BRASS CRAFT 1/4 TURN ANGLE STOP WITH SS SUPPLY HOSE BEMIS WHITE SEAT (1955C)	PROFLO CHROME ESCUTCHEON LEFT CHROME TRIP LEVER	KOHLER K-3879
LAV 1	LAVATORY-ADA WALL MOUNT	1/2"	1/2"	1-1/4"	2"	2"	WHITE	INSULATED P-TRAP COVER PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP	SIOUX CHIEF OXBOX (696-G2011XF), WATTS LFSG-B MIXING VALVE MOEN FAUCET (8800 CHROME)	KOHLER K-2005
FD 1	FLOOR DRAIN	-	-	2"	2"	2"	PVC	-	ROUND NICKEL BRONZE STRAINER SIOUX CHIEF TRAP PROTECTION (835-2)	SIOUX CHIEF FINISHLINE 832-25PNNR
KS 1	KITCHEN SINK-ADA COUNTER MOUNT-SINGLE COMP.	1/2"	1/2"	1-1/2"	2"	2"	SS	PROFLO 1 1/2" SS BASKET, STRAINER & P-TRAP MOEN FAUCET (67315 INTEGRA)	BADGER 5 (120 V-1/2 HP DISPOSAL) SIOUX CHIEF OXBOX WITH MINIRESTER (696-G3014XR)	AMERISINK AS1516
SS 1	STERILE SINK-ADA COUNTER MOUNT-DOUBLE COMP.	1/2"	1/2"	1-1/2"	2"	2"	SS	PROFLO 1 1/2" SS BASKET, STRAINER & P-TRAP MOEN FAUCET (67315 INTEGRA)	SIOUX CHIEF OXBOX WITH MINIRESTER (696-G3014XR)	DAYTON DCFU3118
LS 1	LAB SINK COUNTER MOUNT-SINGLE COMP.	1/2"	1/2"	1-1/2"	2"	2"	SS	PROFLO 1 1/2" SS BASKET, STRAINER & P-TRAP MOEN FAUCET (67315 INTEGRA)	SIOUX CHIEF OXBOX WITH MINIRESTER (696-G3014XR)	DAYTON DXUH2115
HS 1	HAND SINK WALL MOUNT	1/2"	1/2"	1 1/4"	2"	2"	WHITE	INSULATED P-TRAP COVER PROFLO 1 1/4" SS REMOVABLE GRID STRAINER AND P-TRAP	SIOUX CHIEF OXBOX (696-G2011XF), WATTS LFSG-B MIXING VALVE	-
WB 1	WASHER BOX	1/2"	1/2"	2"	2"	2"	WHITE	PEX CRIMP CONNECTION	1/4 TURN VALVE WATER HAMMER ARRESTOR	SIOUX CHIEF 696-G2313XF
IB 1	ICE MAKER BOX	1/2"	1/2"	-	-	-	WHITE	PEX CRIMP CONNECTION	1/4 TURN VALVE WATER HAMMER ARRESTOR	SIOUX CHIEF 696-G1010XF
WH 1	WATER HEATER NATURAL GAS (POWER DIRECT VENT)	3/4"	3/4"	-	-	-	-	60,000 BTU/HR, 0.68 ENERGY FACTOR, 110 VAC, 60 HZ, 3.1 AMPS 48 GALLON TANK, THERM-X-TROL EXPANSION TANK (ST-12)	T&P RELIEF VALVE HEAT TRAPS	BRADFORD WHITE LG2PDV50H603N
RP -	HOT WATER RECIR. PUMP	-	3/4"	-	-	-	-	ELECTRICAL - 115V / 10 / 60 (140 HP, 0.54 AMPS) - HARDWIRED 1 GPM @ 5 FEET OF HEAD, **AUTO SHUT OFF AND TIMER	1" THREADED UNION CONNECTION SUPPLY COMPANION FLANGES	TACO 006E3
FCO -	FLOOR CLEANOUT - MEDIUM DUTY NUMBER IS SIZE (3 OR 4)	-	-	-	-	VARIES	PVC	-	ROUND NICKEL-BRONZE COVER (4,000 LBS) BRASS FLUG	SIOUX CHIEF FINISHLINE 834

\*\*\*ALL PLUMBING FIXTURES LISTED IN THIS SCHEDULE ARE PLACE HOLDERS AND NEED TO BE VERIFIED WITH THE ARCHITECT, INTERIOR DESIGNER, AND OWNERS PRIOR TO PURCHASE.



**PERMIT SET**

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**PLUMBING  
DETAILS & SCHEDULES**

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SCALE:	NONE	

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**LUMINAIRE SCHEDULE**

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS		LAMPS		MOUNTING	VA	NOTES
				QTY	MODEL	LED	SUPPLIED W/UNIT			
F1	2'x4' LED TROFFER	LITHONIA	CPX 2X4 4000LM 80CRI 35K A12 MIN10 ZT		MVOLT	LED	SUPPLIED W/UNIT	RECESSED	40	
F1E	2'x4' LED TROFFER W/EM. BAT.	LITHONIA	CPX 2X4 4000LM 80CRI 35K A12 MIN10 ZT E10WLCP		MVOLT	LED	SUPPLIED W/UNIT	RECESSED	40	
F2	4' LINEAR	WESTGATE	SCX 4FT 41W MCT4 D		MVOLT	LED	SUPPLIED W/UNIT	RECESSED	41	
F2E	4' LINEAR W/EM. BAT.	WESTGATE	SCX 4FT 41W MCT4 D OPT-EM-CM1INT		MVOLT	LED	SUPPLIED W/UNIT	RECESSED	41	
F3	PENDANT	OFCI	OFCI		MVOLT	LED	SUPPLIED W/UNIT	SUSPENDED	11	
F4	6" LED DOWNLIGHT	LITHONIA	LDN6 35/10 L06 AR LSS 120 G21		MVOLT	LED	FURNISHED	RECESSED	13	
F4E	6" LED DOWNLIGHT W/EM. BAT.	LITHONIA	LDN6 35/10 L06 AR LSS 120 G21 ELSD		MVOLT	LED	FURNISHED	RECESSED	13	
F5	WALL SCONCE	OFCI	OFCI		MVOLT	LED	FURNISHED	WALL 7'-6" AFF	13	
F6	EXT LUMINAIRE	ISOLITE	RL-EM-G-U-WH-MTEB-SD		MVOLT	LED	INCLUDED	CEILING/WALL 7'-6" AFF	5	
F7	EMERGENCY BUG EYE	LITHONIA	ELM4L		MVOLT	LED	INCLUDED	WALL 7'-6" AFF	3	

NOTES: THE FIXTURES LISTED IN THIS SCHEDULE REPRESENT THE QUALITY AND TYPE OF FIXTURES DESIRED. EQUALS OF THOSE MANUFACTURERS NOTED IN THE REMARKS ARE ACCEPTED. FOR THOSE FIXTURES WITHOUT A MANUFACTURE DESIGNATION IN THE REMARK COLUMN THE SUPPLIER MAY SUBMIT A FIXTURE THEY BELIEVE TO BE EQUAL TO THE ONE SPECIFIED. TO BE ACCEPTABLE THE FIXTURES SUBMITTED MUST BE OF THE SAME TYPE AND MATERIAL AS THAT SPECIFIED AND MUST RECEIVE APPROVAL FROM THE ENGINEER BY ADDENDUM PRIOR TO BID.

**EQUIPMENT SCHEDULE**

MARK	QTY	DESCRIPTION	ELECTRICAL										NOTES		
			V/PH	LOAD (kW)	HP	FLA	MCA	MOCP	DISCONNECT SIZE/POLE	FUSE SIZE	AFF (IN)	CONNECTION TYPE			
E-1	8	DENTAL CHAIR	120/1					7							
E-2	1	PAN 3D	208/3												
E-3	2	STERILIZER	120/1												
E-4	1	ULTRASONIC CLEANER	120/1				2								
E-5	1	STATIM	120/1				11								
E-6	1	DENTAL AIR COMPRESSOR	120/1												
E-7	1	DRY VACUUM SYSTEM	220/3						30						
E-8	1	WATER SHUT OFF W/FILTER	120/1												
E-9	1	MED GAS MANIFOLD	120/1												

V/PH/Hz = VOLTAGE / PHASE / HERTZ  
MCA = MINIMUM CIRCUIT AMPACITY  
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER  
NOTES:  
1) CONFIRM POWER REQUIREMENTS & MOUNTING HEIGHT WITH OWNER & EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.  
2) PROVIDE FUSED DISCONNECT RATED FOR THE MAX MOCP AS LISTED BY THE MANUFACTURER  
3) CONFIRM EXACT HEIGHT OF UNIT PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION TO UNIT

**MECHANICAL EQUIPMENT SCHEDULE**

MARK	DESCRIPTION	ELECTRICAL										NOTES
		V/PH	LOAD (kW)	HP	FLA	MCA	MOCP	DISCONNECT SIZE/POLE	FUSE SIZE			
RT-1	RoofTop Unit	208/3				31			45	1		
RT-2	RoofTop Unit	208/3				31			45	1		
AC-1	AC Unit	208/1				3				5		
CU-1	Condensing Unit	208/1				19			20	1		
EF-1	Exhaust Fan MED GAS	120/1				0.13	0.29			2		
EF-2	Exhaust Fan Ceiling	120/1				0.14	0.36			6		
WH-1	Water Heater	120/1				3.1						
RP-1	Recirc Pump	120/1				0.54						

V/PH/Hz = VOLTAGE / PHASE / HERTZ  
MCA = MINIMUM CIRCUIT AMPACITY  
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER  
NOTES:  
1) PROVIDE FUSED DISCONNECT WITH FUSE SIZED TO THE MAX LISTED BY THE MANUFACTURER.  
2) DO NOT SWITCH WITH LIGHTS. RUN CONTINUOUSLY.  
3) UNIT PROVIDED WITH DISCONNECT.  
4) MAKE CONNECTION TO THE AQUASTAT, AUTO SHUT-OFF AND TIMER FURNISHED BY MC. CONFIRM WITH MC.  
5) PROVIDE 2#12-#12GND CU IN CONDUIT FROM INDOOR TO OUTDOOR UNIT FOR POWER TO INDOOR UNIT.  
6) SWITCH WITH LIGHTS

**ELECTRICAL SYMBOL SCHEDULE**

SYMBOL	DEVICE/FIXTURE DESCRIPTION	CATALOG NUMBER	MOUNTING	COMMENTS
○	LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3)
⊗	EMERGENCY LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3) (4)
⊗	EXIT FIXTURE - WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE	WALL	(1) (2) (4)
⊗	EXIT FIXTURE - CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (4)
⊗	RECESSED LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3)
○	WALL LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	WALL	(1) (2)
○	CEILING LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2)
⊙	PENDANT/CHANDELER LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	SUSPENDED	(1) (2) (3)
⊙	1 CIRCUIT ECO DIMMING CONTROLLER	WATTSTOPPER LMRC-111	ABOVE CEILING	(11) (30) (32)
⊙	1 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-211	ABOVE CEILING	(11) (30) (32)
⊙	2 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-212	ABOVE CEILING	(11) (30) (32)
⊙	3 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-213	ABOVE CEILING	(11) (30) (32)
+	DUAL TECHNOLOGY OCCUPANCY SENSOR	WATTSTOPPER LMDC-100	CEILING	(11)
⊖	MOTOR	SEE MECHANICAL SCHEDULE	SEE MECH	(22)
⊖	SINGLE POLE SWITCH	HUBBELL BS120W	4" - 0"	(6) (11)
⊖	WALL SWITCH OCCUPANCY SENSOR PIR	WATTSTOPPER PW-301	4" - 0"	(7) (11)
⊖	WALL DIMMING OCCUPANCY PIR	WATTSTOPPER PW-311	4" - 0"	(7) (11)
⊖	WALL OCCUPANCY DUAL TECH	WATTSTOPPER DSW-301	4" - 0"	(7) (11)
⊖	DUPLEX OUTLET, GROUNDING TYPE	HUBBELL BR20W	18" UNO	(6) (11)
⊖	DUPLEX OUTLET - GFI	HUBBELL GF5352-IA	18" UNO	(6) (11)
⊖	DOUBLE DUPLEX OUTLET	(2) HUBBELL BR20W	18"	(6) (11)
⊖	DOUBLE DUPLEX OUTLET - GFI	HUBBELL GFR5352A, HBL2162W	18"	(6) (20) (11)
⊖	DUPLEX OUTLET - FLOOR	HUBBELL BR20W	FLOOR	(6) (11)
⊖	SINGLE PHASE SPECIAL OUTLET	NEMA - SUBSCRIPT MARKS TYPE		(6) (11)
⊖	THREE PHASE SPECIAL OUTLET	NEMA - SUBSCRIPT MARKS TYPE		(6) (11)
⊖	JUNCTION BOX	4" x 4" SEE SPEC.	CEILING	(12)
⊖	JUNCTION BOX	4" x 4" OR AS NOTED, SEE SPEC.	18"	(12) MOUNT AS NOTED
⊖	MULTI-MEDIA J-BOX	4" x 4" OR AS NOTED, SEE SPEC.	18"	(11) (31)
⊖	MULTI-MEDIA J-BOX - FLOOR	4" x 4" OR AS NOTED, SEE SPEC.	FLOOR	(26) (31)
⊖	RECEPTACLE & DATA-FLOOR	SEE COMMENTS/NOTES	FLOOR	(6) (9) (25) (26)
⊖	FUSED DISCONNECT SWITCH	SQUARE D, GENERAL DUTY	5" - 0"	(8) (13)
⊖	PANEL BOARD	SEE PANEL SCHEDULE	6"-6" TO TOP	
⊖	EQUIPMENT OTHER THAN MECHANICAL	SEE EQUIPMENT SCHEDULE		
⊖	MECHANICAL EQUIPMENT	SEE MECHANICAL SCHEDULE		

INSTALL CONDUIT AS DRAWN ON THE PLANS. THE ONLY EXCEPTIONS ARE THOSE AUTHORIZED IN WRITING BY THE ENGINEER. ALL CONDUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR SIZED PER NEC.

**ABBREVIATIONS/NOTES**  
AFF - ABOVE FINISHED FLOOR, AFG - ABOVE FINISHED GRADE, AIG - AMPS INTERRUPTING CAPACITY, AL - ALUMINUM, BC - BARE COPPER, BFC - BELOW FINISHED CEILING, BFG - BELOW FINISHED GRADE, CND, OR C - CONDUIT, CLC - INSTALLED IN CEILING, CFC - CONTRACTOR FURNISHED CONTRACTOR INSTALLED, CT - CURRENT TRANSDUCER, CU - COPPER, DFA - DROP FROM ABOVE, (E) - EXISTING, EC - ELECTRICAL CONTRACTOR, EV - ELECTRO VOICE, GC - GENERAL CONTRACTOR, GND - GROUND, MC - MECHANICAL CONTRACTOR, MCA - MINIMUM CIRCUIT AMPS, (N) - NEW, OFC - OWNER FURNISHED CONTRACTOR INSTALLED, P.C. - PLUMBING CONTRACTOR, POC - POINT OF CONNECTION, POS - POINT OF SALES, RMC - RIGID METAL CONDUIT, SCA - SHORT CIRCUIT AMPERES, TC - TEMP. CONTRACTOR, UNO - UNLESS NOTED OTHERWISE, VA - VOLT/AMPS, VF - VERIFY IN FIELD, WP - WEATHER PROOF/NEMA 3R

- SEE LIGHTING FIXTURE SCHEDULE FOR TYPE AND SPECIFICS.
- SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING OF FIXTURE.
- PROVIDE AND WIRE FROM ADJACENT J-BOX AS REQUIRED BY THE FIXTURE AND NUMBER OF CONDUITS.
- PROVIDE UN-SWITCHED CONDUCTOR TO EMERGENCY BALLAST OR FIXTURE.
- PROVIDE DIRECTIONAL ARROWS AS SHOWN.
- ACCEPTABLE EQUALS ARE P&S, LEVITON, COOPER, HUBBELL, PROVIDE AS REQUIRED IN ELECTRICAL SPECS PART 2 I.
- ACCEPTABLE EQUALS ARE HUBBELL, WATT STOPPER, SENSOR SWITCH
- ACCEPTABLE EQUALS ARE GENERAL ELECTRIC, ALLEN-BRADLEY, SQUARE D
- PROVIDE ONE B2432, ONE S3825, ONE S3826, ONE SB3084, AND ONE FCX244W
- ACCEPTABLE EQUALS ARE INTERMATIC, PARAGON, EZ-CONTROL
- USE A 4"x4"x1 1/8" FOR POWER, 4 11/16"x4 11/16"x2 1/8" FOR DATA/VOICE, WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION. PROVIDE WEATHER-PROOF FOR OUTDOOR.
- PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICE/FIXTURE SERVED.
- MATCH TO THE VOLTAGE ON LINE SIDE. USE HEAVY DUTY FOR 480 VOLT. UNO.
- SIZE TO THE EQUIPMENT BEING CONTROLLED
- PROVIDE A FLOOR BOX HUBBELL S1PFB/SISP, TWO HBL5BK, ONE IM2K1BK, AND FIVE IMB1BK W/FLANGE TO MATCH FLOOR TYPE.
- PROVIDE A FLOOR BOX HUBBELL S1PFB/SISP WITH ONE IM2K1BK, TWO IMB1BK AND ONE HBL2162BK.
- ACCEPTABLE EQUALS ARE HUBBELL, ORTRONICS, SIEMON
- MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT.
- MOUNT SWITCH AT DOOR JAM PER MANUFACTURERS INSTRUCTIONS.
- FEED THE STYLE LINE RECEPT. FROM THE GFI OUTLET SO BOTH ARE GFCI PROTECTED.
- PROVIDE HANDY BOX (RACO 663 OR EQUAL) MOUNT DIRECTLY TO FURNACE FUSE 15 AMP OR AS INDICATED ON PLANS.
- IF EXHAUST FAN, SWITCH WITH LIGHTS UNLESS INDICATED OTHERWISE
- PROVIDE DEVICE UL LISTED TO BE USED WITH THE FIRE ALARM PANEL/SYSTEM.
- PROVIDE HUBBELL: ONE OUTLET FRAME ISF20W, ONE COVERPLATE NP26W.
- PROVIDE ONE BR20W
- PROVIDE HUBBELL: TWO JACKS HXJ60W
- PROVIDE A FLOOR BOX HUBBELL S2431 WITH (1) SB3083.
- PROVIDE TIMER INTERVAL AS SHOWN ON DRAWINGS OR LISTED IN SPECIFICATIONS.
- PROVIDE RACEWAY WITH OUTLETS 12" ON CENTER. UNO.
- INSTALL UNIT ABOVE ACCESSIBLE CEILING AND CONNECT TO ALL ASSOCIATED DEVICES WITH NETWORK CABLE AS LISTED BY THE MANUFACTURER.
- PROVIDE 3/4" CONDUIT FROM J-BOX TO ABOVE ACCESSIBLE CEILING UNO.
- # CONTROL SYSTEM GROUP ALL COMPONENTS IN SAME GROUP CONNECT TOGETHER

**CONDUIT/CONDUCTOR SCHEDULE**

MARK	AMPS	CONDUIT CABLE	CONDUCTOR QTY	SIZE	INSUL	REMARKS
212	20	3/4"	2	12	(1) (2)	
312	20	3/4"	3	12	(1) (2)	
412	20	3/4"	4	12	(1) (2)	
20	30	3/4"	2	10	(1) (2)	
30	30	3/4"	3	10	(1) (2)	
40	30	3/4"	4	10	(1) (2)	
201	30	1"	2	10	(1) (2)	
301	30	1"	3	10	(1) (2)	
28A	40	3/4"	2	8	(1) (2)	
38A	40	1"	3	8	(1) (2)	
48A	40	1"	4	8	(1) (2)	
26A	50	1"	2	6	(1) (2)	
36A	50	1"	3	6	(1) (2)	
46A	50	1"	4	6	(1) (2)	
24A	65	1 1/4"	2	4	(1) (2)	
34A	65	1 1/4"	3	4	(1) (2)	
44A	65	1 1/4"	4	4	(1) (2)	
23A	75	1 1/4"	2	3	(1) (2)	
33A	75	1 1/4"	3	3	(1) (2)	
43A	75	1 1/2"	4	3	(1) (2)	
22A	90	1 1/2"	2	2	(1) (2)	
32A	90	1 1/2"	3	2	(1) (2)	
42A	90	1 1/2"	4	2	(1) (2)	
31A	100	1 1/2"	3	1	(1) (2)	
41A	100	2"	4	1	(1) (2)	
310A	120	2"	3	1/0	(1) (2)	
410A	120	2"	4	1/0	(1) (2)	
320A	135	2"	3	2/0	(1) (2)	
420A	135	2"	4	2/0	(1) (2)	
330A	155	2 1/2"	3	3/0	(1) (2)	
430A	155	2 1/2"	4	3/0	(1) (2)	
240A	180	2"	4	4/0	(1) (2)	
340A	180	2 1/2"	3	4/0	(1) (2)	
440A	180	2 1/2"	4	4/0	(1) (2)	
325A	205	2 1/2"	3	250	(1) (2)	
425A	205	3"	4	250	(1) (2)	
3-3A	230	3"	3	300	(1) (2)	
4-3A	230	3"	4	300	(1) (2)	
335A	250	3"	3	350	(1) (2)	
435A	250	3"	4	350	(1) (2)	
3-4A	270	3"	3	400	(1) (2)	
4-4A	270	3 1/2"	4	400	(1) (2)	
350A	310	3 1/2"	3	500	(1) (2)	
450A	310	4"	4	500	(1) (2)	
440A2	360	2 1/2"	4	4/0	(1) (2)	
480A	395	4"	4	800	(1) (2)	
325A2	410	3"	3	250	(1) (2)	
425A2	410	3"	4	250	(1) (2)	
335A2	500	3"	3	350	(1) (2)	
435A2	500	3"	4	350	(1) (2)	
450A2	620	4"	4	500	(1) (2)	
4-4A3	810	3 1/2"	4	400	(1) (2)	
450A3	930	4"	4	500	(1) (2)	
450A4	1240	4"	4	500	(1) (2)	
450A7	2170	4"	4	500	(1) (2)	

**NOTE:**  
(1) THHN/THWN/XHHW  
(2) ALL CONDUIT SHALL CONTAIN A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. ACCOUNT FOR PARALLEL RUNS.  
**SUFFIX:**  
"A" INDICATES ALUMINUM CONDUCTORS  
"R" INDICATED MC CABLE  
"Y" INDICATES YELLOW ISOLATED GROUND CONDUCTOR IN ADDITION TO THE GROUND CONDUCTOR IN NOTE ABOVE.  
**LEGEND:**  
# OF CONDUCTORS NOT COUNTING EQUIP GRND  
A=ALUMINUM, BLANK=COPPER  
# OF PARALLEL RUNS; BLANK=#1 RUN  
CABLE TYPE; B=NM, S=SER, M=MC, BLANK=CONDUIT  
SIZE OF CONDUCTORS

**Sheet List Table**

Sheet Number	Sheet Title
E0.0	ELECTRICAL SCHEDULES AND NOTES
E1.0	LIGHTING PLAN
E2.0	POWER PLAN
E3.0	ELECTRICAL PANELS AND RISER DIAGRAM
E4.0	ELECTRICAL DETAILS
E5.0	ELECTRICAL SPECIFICATIONS
E6.0	COMPLIANCE REPORT

**GENERAL NOTES**

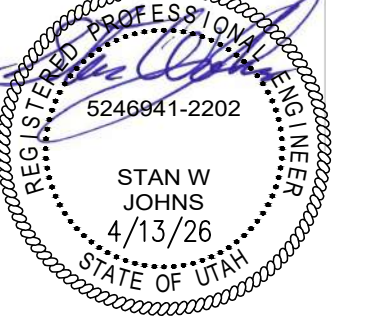
- THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS AT THEIR OWN EXPENSE. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM IT'S PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.
- THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS THEY APPLY. 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.
- NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.
- THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH CURRENTLY ADOPTED LOCAL, STATE CODES, NEC AND SERVING ELECTRIC UTILITY REQUIREMENTS. IF AT ANY TIME DURING CONSTRUCTION, OR AFTER, SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THE CODES AND REQUIREMENTS LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
- 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.
- THE CONTRACTOR SHALL NOTIFY THE MANUFACTURER THAT THE LAYOUT AND DIMENSIONS ARE CRITICAL FOR ALL PANELS, SWITCHGEAR, ETC. AND NO PIECE OF EQUIPMENT SHALL EXCEED THE PHYSICAL SIZE INDICATED ON THE PLANS.
- ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS AT HIS EXPENSE IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.
- THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL, DEVICE, LIGHT FIXTURE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
- THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT/CABLE 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

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**STAMP**



STONE CREEK DENTAL  
10509 RIVER HEIGHTS DRIVE, STE 203  
SOUTH JORDAN, UT 84095

SHEET TITLE  
LIGHTING PLAN

**REVISIONS**

NO.	DESCRIPTION

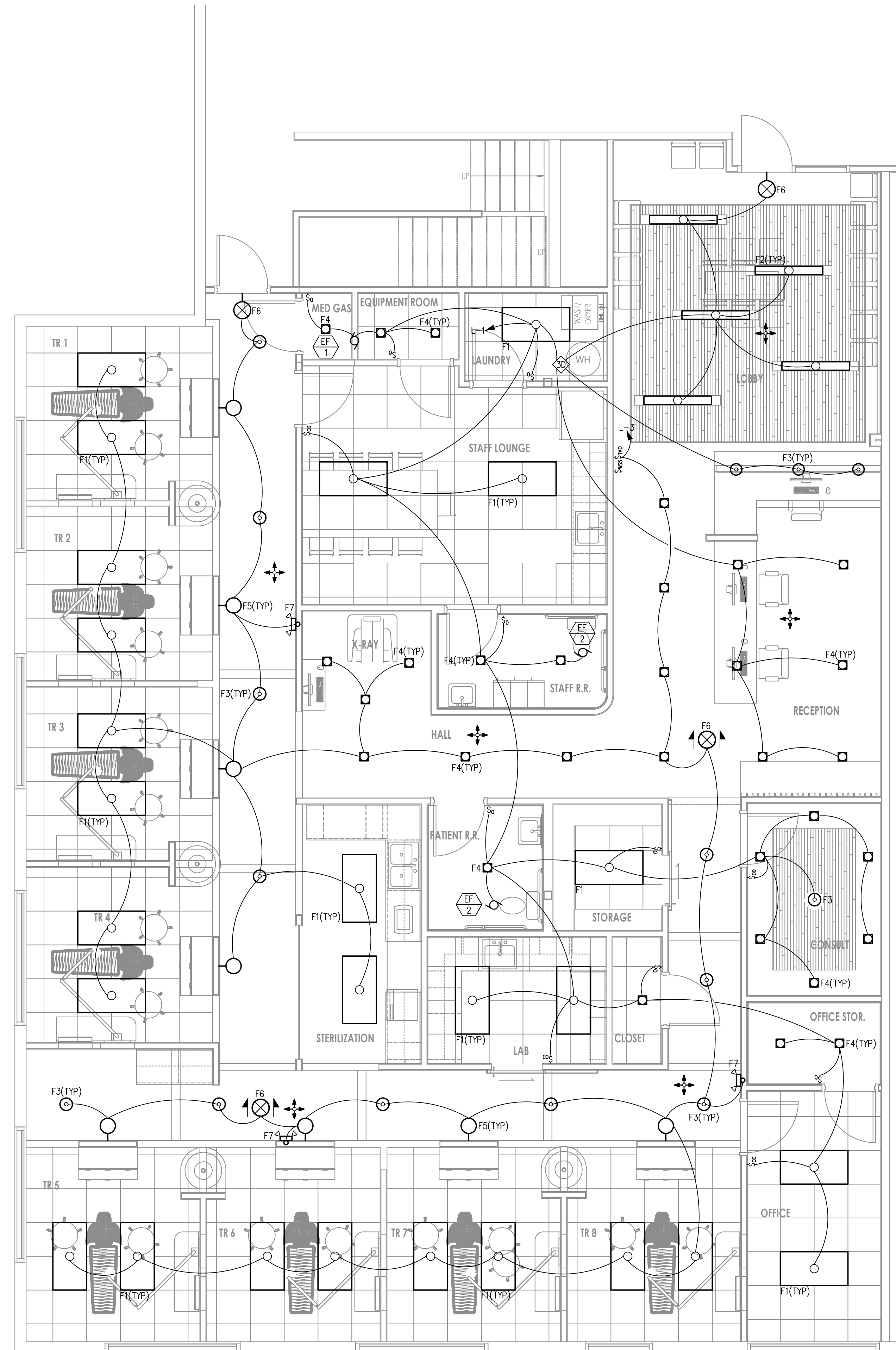
ISSUE DATE: 4/13/26

ISSUE TYPE: PERMIT

DRAWN BY: JLC

CHECKED BY: SWJ

**E1.0**



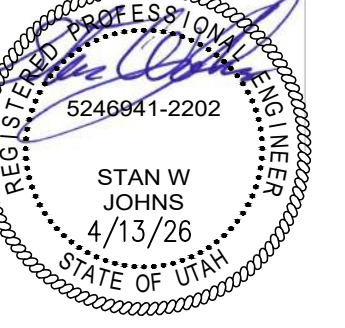
1 LIGHTING PLAN  
E1.0  
SCALE: 1/4" = 1'-0"

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STONE CREEK DENTAL  
10509 RIVER HEIGHTS DRIVE, STE 203  
SOUTH JORDAN, UT 84095

SHEET TITLE  
POWER PLAN

**REVISIONS**

NO.	DESCRIPTION

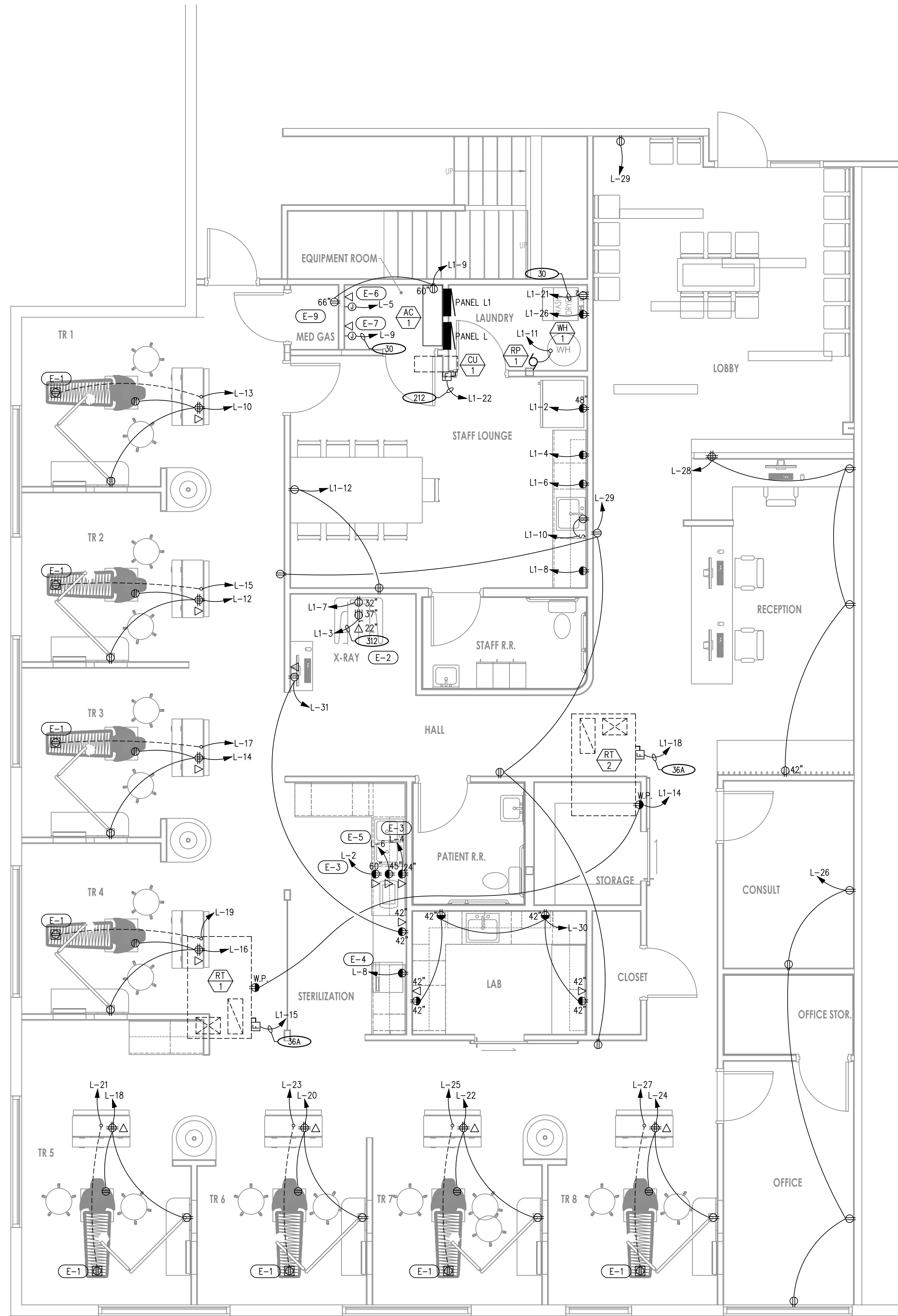
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ISSUE TYPE: PERMIT

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**E2.0**



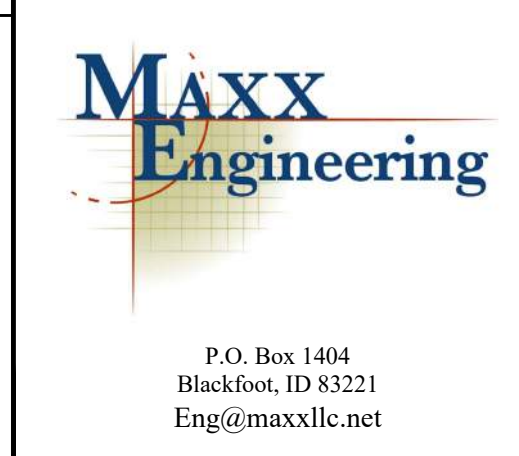
1 POWER PLAN  
E2.0  
SCALE: 1/4" = 1'-0"

L1		VOLTAGE 208 / 120				MOUNTING			FEED			MAINS AMP			DIMS.			SPECIAL EQUIPMENT			
PANEL NQ		PHASE 3 WIRES 4				X FLUSH			TOP			X LUGS			20" W			X GROUND BUS SUB-FEED BRKR NEMA 3R SURGE PROTECTOR			
TYPE LAUNDRY		AIC 10,000 AMPS				SURFACE			X BOTTOM			BREAKER			50" H						
LOCATION	CIRCUIT	DESCRIPTION	CODE	LTS	CO	MIS	BRKR	WIRE	CIRCUIT	LOAD	A	B	C	CIRCUIT	WIRE	BRKR	OUTLETS	CODE	DESCRIPTION	CIR	
NO.								SIZE	LOAD					LOAD	SIZE					NO.	
1	---	---	---	---	---	---	---	---	1921	2921				1000	12	20	1	1		REFRIGERATOR	2
3	E-2	---	---	1	3	20	---	---	1921	3421				1500	12	20	1	1		MICROWAVE	4
5	---	---	---	---	---	---	---	---	1921	3121				1200	12	20	1	1		TOASTER	6
7	E-2B	---	---	1	20	12	---	---	180	1680				1500	12	20	1	1		COFFEE	8
9	E-8, E-9	---	---	2	1	20	12	---	400	1600				1200	12	20	1	1	2	DISPOSAL	10
11	WH-1, RP-1	---	---	2	1	20	12	---	437	797				360	12	20	1	2		BREAKROOM	12
13	---	---	---	---	---	---	---	---	3723	4083				360	12	20	1	2		RT-1 & RT-2 CONV	14
15	RT-1	---	---	1	3	45	---	---	3723	7446				3723	12	20	1	1		---	16
17	---	---	---	---	---	---	---	---	3723	7446				3723	45	3	1	1		RT-2	18
19	---	---	---	---	---	---	---	---	2881	8604				3723	---	---	---	---		---	20
21	DRYER	---	---	1	3	30	---	---	2881	4857				1976	20	2	1	1		CU-1	22
23	---	---	---	---	---	---	---	---	2881	4857				1976	---	---	---	---		---	24
25	SPARE	---	---	---	1	20	---	---	0	1300				1300	12	20	1	1		WASHER	26
27	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	28
29	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	30
31	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	32
33	SPACE	---	---	---	---	---	---	---	0	0				0	---	---	---	---		SPACE	34
35	SPACE	---	---	---	---	---	---	---	0	0				0	---	---	---	---		SPACE	36
37	SPACE	---	---	---	---	---	---	---	0	0				0	---	---	---	---		SPACE	38
39	SPACE	---	---	---	---	---	---	---	0	0				0	---	---	---	---		SPACE	40
41	SPACE	---	---	---	---	---	---	---	0	0				0	---	---	---	---		SPACE	42
										VA	16588	17324	16221	48	KVA	CODES					
										DIV	15713	16379	15801	AV. AMPS	1= SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE						
										AMPS	131	136	132	133	A	2= GFCE BREAKER 3= GFEP BREAKER					
															4= SUBFEED BREAKER 5= SHUNT-TRIP BREAKER						
															6= PROVIDE LOCK OFF DEVICE						
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75 DEG C																					

L		VOLTAGE 208 / 120				MOUNTING			FEED			MAINS AMP			DIMS.			SPECIAL EQUIPMENT			
PANEL NQ		PHASE 3 WIRES 4				X FLUSH			TOP			X LUGS			20" W			X GROUND BUS SUB-FEED BRKR NEMA 3R SURGE PROTECTOR			
TYPE LAUNDRY		AIC 10,000 AMPS				SURFACE			X BOTTOM			BREAKER			50" H						
LOCATION	CIRCUIT	DESCRIPTION	CODE	LTS	CO	MIS	BRKR	WIRE	CIRCUIT	LOAD	A	B	C	CIRCUIT	WIRE	BRKR	OUTLETS	CODE	DESCRIPTION	CIR	
NO.								SIZE	LOAD					LOAD	SIZE					NO.	
1	---	---	---	---	---	---	---	---	1184	2664				1500	12	20	1	1		E-3	2
3	LIGHTING B	---	---	---	---	---	---	---	834	2334				1500	12	20	1	1		E-3	4
5	E-6	---	---	---	---	---	---	---	1800	3120				1320	12	20	1	1		E-5	6
7	---	---	---	---	---	---	---	---	2882	3122				240	12	20	1	1		E-4	8
9	E-7	---	---	---	---	---	---	---	2882	3532				650	12	20	1	2	2	TR1	10
11	---	---	---	---	---	---	---	---	2882	3532				650	12	20	1	2	2	TR2	12
13	TR1 E-1	---	---	---	---	---	---	---	1200	1850				650	12	20	1	2	2	TR3	14
15	TR1 E-2	---	---	---	---	---	---	---	1200	1850				650	12	20	1	2	2	TR4	16
17	TR1 E-3	---	---	---	---	---	---	---	1200	1850				650	12	20	1	2	2	TR5	18
19	TR1 E-4	---	---	---	---	---	---	---	1200	1850				650	12	20	1	2	2	TR6	20
21	TR1 E-5	---	---	---	---	---	---	---	1200	1850				650	12	20	1	2	2	TR7	22
23	TR1 E-6	---	---	---	---	---	---	---	1200	1850				650	12	20	1	2	2	TR8	24
25	TR1 E-7	---	---	---	---	---	---	---	1200	1920				720	12	20	1	4		CONSULT/OFFICE	26
27	TR1 E-8	---	---	---	---	---	---	---	1200	2100				900	12	20	1	5		RECEPTION	28
29	CONV OUTLETS	---	---	---	---	---	---	---	900	1620				720	12	20	1	4		LAB OUTLETS	30
31	X-RAY STERILIZATION	---	---	---	---	---	---	---	360	360				0	20	1	---	---		SPARE	32
33	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	34
35	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	36
37	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	38
39	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	40
41	SPARE	---	---	---	---	---	---	---	0	0				0	20	1	---	---		SPARE	42
										VA	11766	11666	11972	36	KVA	CODES					
										DIV	12057	11875	11972	AV. AMPS	1= SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE						
										AMPS	100	99	100	100	A	2= GFCE BREAKER 3= GFEP BREAKER					
															4= SUBFEED BREAKER 5= SHUNT-TRIP BREAKER						
															6= PROVIDE LOCK OFF DEVICE						
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75 DEG C																					

DESCRIPTION	LOAD	DEMAND	NEW LOAD	AMPS
CONTINUOUS	1998	1.25	2498	
NON-CONTINUOUS	72639	1	72639	
KITCHEN	6400	0.65	4160	
RECEPTACLES	4500	1	4500	
TOTAL SERVICE LOAD (208 VOLTS)			83797	232.6

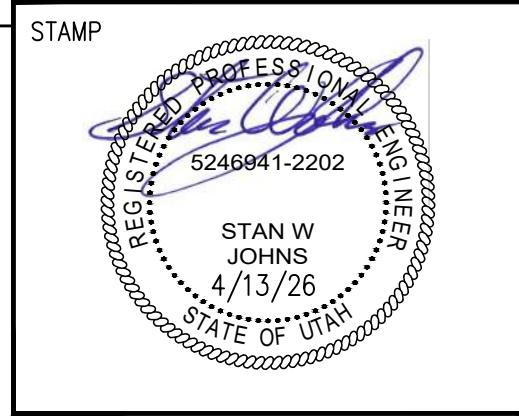
- # KEYED NOTES
- ALL EQUIPMENT SHOWN IN THE RISER DIAGRAM IS EXISTING EXCEPT FOR PANELS L & L1 AND THE ADDITIONAL CONDUIT, TO GET TO THE PANELS FROM WHERE THE EXISTING CONDUIT IS STUBBED, AND THE FEEDER CONDUCTORS TO BE INSTALLED FROM THE METER BREAKER TO THE PANELS. FIELD CONFIRM EXISTING CONDITIONS.
  - USE EXISTING 3" CONDUIT AND EXTEND AS REQUIRED TO THE PANEL LOCATION. PROVIDE 4#350AL+1#2AL GND IN CONDUIT FROM THE METER BREAKER.
  - PROVIDE PANELS AS SHOWN IN SCHEDULES ON THIS SHEET.



**OWNERSHIP OF DOCUMENTS**

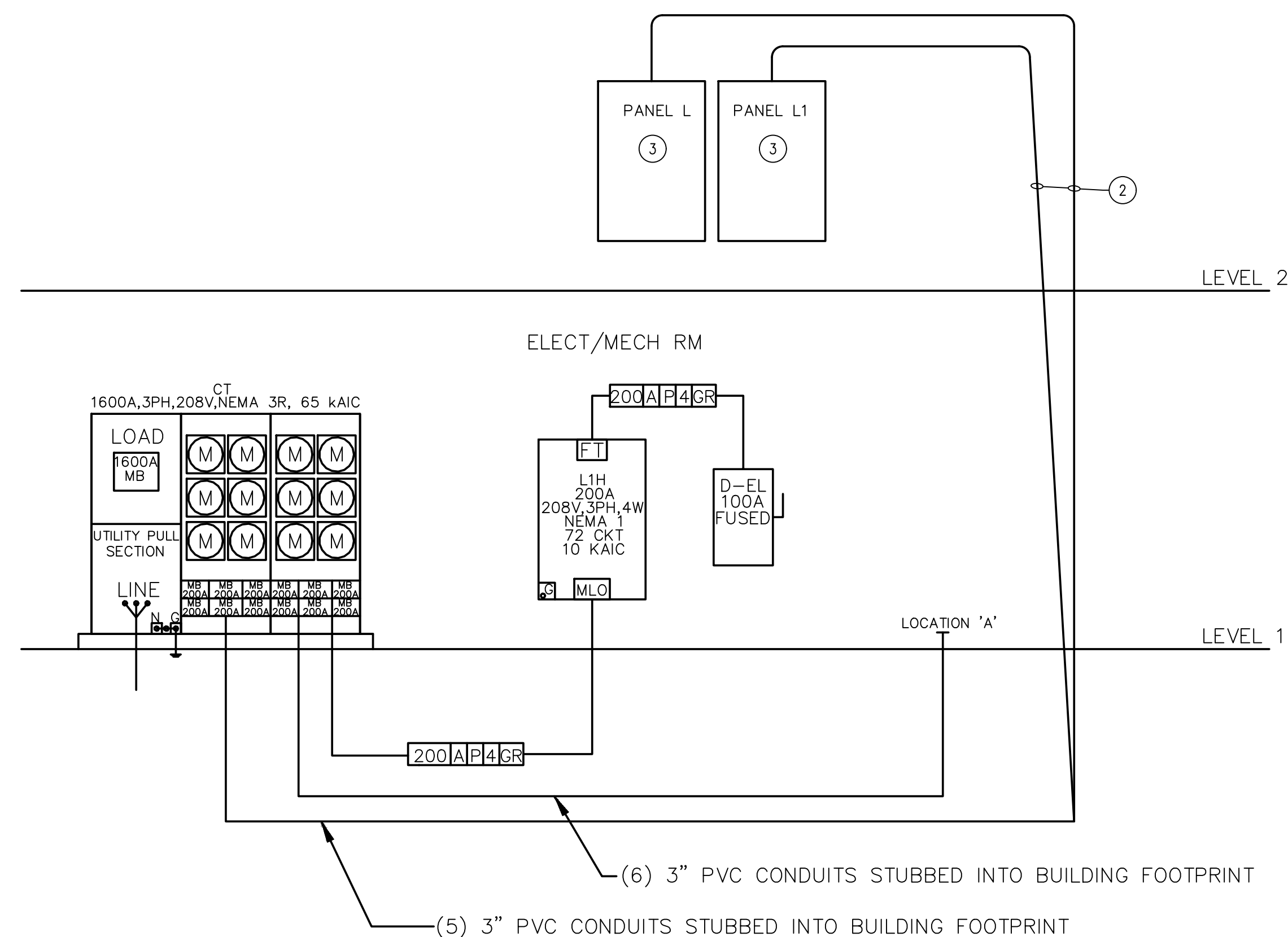
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STONE CREEK DENTAL  
10509 RIVER HEIGHTS DRIVE, STE 203  
SOUTH JORDAN, UT 84095

ELECTRICAL PANELS AND RISER DIAGRAM



1 RISER DIAGRAM  
NO SCALE

NO.	DESCRIPTION

ISSUE DATE: 4/13/26  
ISSUE TYPE: PERMIT  
DRAWN BY: JLC  
CHECKED BY: SJW

**E3.0**



- L. OVERCURRENT DEVICE COORDINATION
- ELECTRICAL CONTRACTOR SHALL PROVIDE A COORDINATION STUDY FOR THE ENTIRE ELECTRICAL SYSTEM.
  - ELECTRICAL CONTRACTOR SHALL SET ALL ADJUSTABLE OVERCURRENT DEVICE TRIP SETTINGS ACCORDING TO THE COORDINATION STUDY FOR A COMPLETELY COORDINATED SYSTEM.
- M. TESTING
- DEMONSTRATE THAT ALL COMPONENTS OF THE WORK OF THIS DIVISION HAVE BEEN PROVIDED AND THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
  - TEST WIRING AND CONNECTORS FOR CONTINUITY, SHORT CIRCUITS AND IMPROPER GROUNDS. TEST EACH LIGHTING AND APPLIANCE PANEL WITH MAINS DISCONNECTED FROM FEEDERS, BRANCHES CONNECTED, WALL SWITCHES CLOSED AND FIXTURES PERMANENTLY CONNECTED AND COMPLETE WITH LAMPS. TEST EACH INDIVIDUAL POWER CIRCUIT WITH THE POWER EQUIPMENT CONNECTED FOR PROPER OPERATION.
  - PROVIDE DETAILED DOCUMENTATION OF EACH TEST PERFORMED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, WITH THE NAMES AND THE SIGNATURES OF QUALIFIED INDIVIDUALS WHO CONDUCTED AND WITNESSED EACH TEST.

- PART 3 – EXECUTION
- A. GENERAL
- ALL MATERIALS SHALL BE INSTALLED IN A PROFESSIONAL MANNER INDICATIVE OF THE TRADE.
  - ALL PENETRATIONS OF THE WALLS, FLOORS AND ROOF SHALL BE SEALED WITH APPROPRIATE BOOTS, SEALANT OR CAULK FOR THE PARTICULAR SURFACE INVOLVED AND AS REQUIRED TO MAINTAIN A FIRE PROOF SEAL.
- B. RACEWAYS
- RACEWAYS SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE INDICATED. EXPOSED RACEWAY RUNS SHALL BE PARALLEL WITH SUPPORTING WALLS, BEAMS, AND CEILINGS AND WITH EACH OTHER AND SHALL NOT BE INSTALLED CLOSER THAN 6 INCHES TO ANY WATER PIPE OR HEATER FLUME.
  - RACEWAY ENDS SHALL BE REAMED AFTER THREADING AND AFTER CUTTING AND BE MADE TO BUTT IN THE CENTER OF THE COUPLING. THE USE OF RUNNING THREADS IS PROHIBITED.
  - RACEWAYS SHALL BE INSTALLED AS A COMPLETE SYSTEM, CONTINUOUS FROM OUTLET TO OUTLET, CABINET, BOX OR FITTINGS, AND SHALL BE MECHANICALLY CONNECTED SO THAT ADEQUATE ELECTRICAL CONTINUITY FROM ONE TO ANOTHER IS OBTAINED. CONDUITS SHALL BE SUPPORTED WITH ONE OR TWO HOLE STAMPED STEEL OR MALLEABLE IRON STRAPS (SUCH AS MANUFACTURED BY RACO) DESIGNED FOR SUPPORTING CONDUIT. THE SIZE OF STRAP SHALL MATCH THE SIZE OF THE CONDUIT. NAILS, PERFORATED STRAP, OR PLUMBERS TAPE SHALL NOT BE USED FOR SUPPORT OF RACEWAY.
  - PROVIDE 1/8" POLY PULL CORD IN RACEWAYS WITHOUT CONDUCTORS.
  - FOUR 90 DEGREE BENDS MAXIMUM BETWEEN TERMINATIONS OR BOXES.
  - ANY METAL CONDUIT IN CONTACT WITH EARTH SHALL BE PVC COATED OR DOUBLE WRAPPED WITH VINYL OR OTHER TAPE LISTED FOR THE PURPOSE OF PROTECTING THE CONDUIT.
  - COMMUNICATIONS OUTLETS: PROVIDE A 3/4" CONDUIT FROM EACH OUTLET STUBBED UP ABOVE THE CEILING AND BENT TOWARD THE HALLWAY, CABLE TRAY OR IT ROOM UNO. PROVIDE AN INSULATED THROAT CONNECTOR ON BOTH ENDS OF THE CONDUIT.
- C. CONDUCTORS
- ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT AND COLOR CODED AS FOLLOWS:

PHASE	120/240	208/120	480/277
PHASE A	BLACK	BLACK	BROWN
PHASE B	RED	RED	ORANGE
PHASE C		BLUE	YELLOW
NEUTRAL	WHITE	WHITE	GREY
GROUND	GREEN	GREEN	GREEN
  - MAKE JOINTS, SPLICES, TAPS AND CONNECTIONS IN CONDUCTORS WITH SOLDERLESS CONNECTORS.
  - ALL CIRCUITS THAT REQUIRE A NEUTRAL SHALL BE PROVIDED WITH A DEDICATED NEUTRAL. DO NOT SHARE NEUTRALS.
  - CONDUCTORS SHALL BE INSTALLED SO THAT THEY MAINTAIN THEIR CURRENT RATING AND ARE NOT DE-RATED FOR BUNDLING (CONDUCTORS AND CABLES), CONDUIT FILL, AMBIENT TEMPERATURE OR ANY OTHER REASON.
  - PROVIDE CONDUCTORS SIZED FOR A MAXIMUM VOLTAGE DROP OF 5% FROM THE SERVICE TO THE LOAD(S) AT THE END OF THE CIRCUIT. BASED ON THE LOAD(S) ON THE CIRCUIT.
- D. JUNCTION AND PULL BOXES
- PULL BOXES SHALL BE PROVIDED WHERE INDICATED AND WHERE NECESSARY TO FACILITATE THE PULLING OF CONDUCTORS.
- E. GROUNDING
- INSTALL A CODE SIZED GROUNDING CONDUCTOR IN ALL RACEWAYS AND CABLES. DO NOT USE THE RACEWAY FOR GROUNDING. MAKE GOOD CONTACT AT ALL PANEL BOARDS, OUTLET BOXES, AND JUNCTION OR PULL BOXES TO THE RACEWAY SYSTEM. USE APPROVED BONDING MATERIALS.
  - PROVIDE A CODE SIZED UFER GROUND AT THE MAIN SERVICE ON ALL NEW SERVICES.
  - PROVIDE A CODE SIZED GROUNDING ELECTRODE CONDUCTOR CONNECTED TO THE SERVICE GROUNDING ELECTRODE CONDUCTOR ON EACH TRANSFORMER.
- F. BONDING
- BOND ALL PIPING (GAS WATER, ETC) AS REQUIRED BY THE NEC. CONFIRM SYSTEMS TO BE USED WITH MC.
  - PROVIDE BONDING FOR COMMUNICATION SYSTEMS WITH AN INTERSYSTEM BONDING TERMINATION DEVICE AS REQUIRED AND ALLOWED BY THE NEC.
  - PROVIDE EACH TRANSFORMER WITH A CODE SIZED COPPER NEUTRAL-TO-GROUND SYSTEM BONDING JUMPER.
- G. LUMINAIRE INSTALLATION
- ALL FIXTURES RECESSED AND SURFACE SHALL BE SUPPORTED FROM THE STRUCTURE AND NOT FROM THE CEILING FRAMING OR GRID CEILING.
  - INSTALL RECESSED LUMINAIRES TO PERMIT REMOVAL FROM BELOW.
  - LOCATE LUMINAIRES AS INDICATED ON THE DRAWINGS.
  - INSTALL ACCESSORIES FURNISHED WITH AND REQUIRED FOR EACH LUMINAIRE.
  - INSTALL GRID CEILING CLIPS ON RECESSED LUMINAIRES.
- H. SEISMIC REQUIREMENTS
- RECESSED TYPE LIGHTING FIXTURES, IN ADDITION TO THE STANDARD SEISMIC CLIPS AND SUPPORT ON T-BAR GRID SYSTEM, SHALL HAVE 2#12 STEEL SAFETY WIRES PER FIXTURE. ONE END OF EACH SAFETY WIRE SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. THE OTHER END (6 INCHES LONGER THAN THE T-BAR GRID SUPPORT WIRES) SHALL BE FASTENED TO DIAGONAL CORNERS OF EACH LIGHTING FIXTURE.
  - PROVIDE SEISMIC RESTRAINTS AS REQUIRED BY CODE FOR ALL ELECTRICAL EQUIPMENT INSTALLED ON THE PROJECT.
- I. CUTTING AND PATCHING
- PERFORM DRILLING, CUTTING, AND PATCHING OF THE GENERAL CONSTRUCTION WORK WHETHER EXISTING OR NEW, AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK. PATCH WITH THE SAME MATERIALS, WORKMANSHIP, AND FINISH AS THE ORIGINAL WORK AND ACCURATELY MATCH ALL SURROUNDING WORK. SUCH WORK WILL BE DONE BY A CRAFTSMAN ACCREDITED IN THE APPLICABLE TRADE UNDER THE CONTRACTOR'S SUPERVISION AND BE ACCEPTABLE TO THE OWNER'S REPRESENTATIVE. COORDINATE WITH OTHER TRADES AND GENERAL CONTRACTOR PRIOR TO CUTTING, DRILLING, OR CORING.
- J. WIRING DEVICES
- MOUNTING HEIGHTS TO THE CENTER OF THE DEVICE AND ORIENTATION SHALL BE AS FOLLOWS:

LIGHT SWITCHES	-----48" AFF
CONVENIENCE & TELEPHONE OUTLETS	
DATA, TELEPHONE, TV AND CONVENIENCE OUTLETS (TYPICAL)	-----42" AFF
ALL PANELS ARE TO BE MOUNTED/ INSTALLED AT AN ACCESSIBLE HEIGHT FOR BOTH TYPE A AND TYPE B UNITS	-----48" AFF
- ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE ON THE PLANS. ALL SWITCHES AND THERMOSTATS TO BE MOUNTED AS CLOSE TO DOOR JAMB AS POSSIBLE. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND DETAILS. RECEPTACLES SHALL BE ORIENTED WITH THE GROUND TERMINAL UP WHEN INSTALLED VERTICAL AND WITH THE NEUTRAL TERMINAL(S) UP WHEN INSTALLED HORIZONTAL.
- K. ARCLASH
- ELECTRICAL CONTRACTOR SHALL PROVIDE AN ARCLASH STUDY FOR THE ELECTRICAL SYSTEM AND ARCLASH LABELS AS REQUIRED BY NEC 110.16.

- BOXES FOR STRUCTURED CABLING (DATA & PHONE) IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE 4 11/16" x 2 1/8", APPLETON, RAYCO OR EQUAL.
  - ALL BOXES IN FINISHED SPACES SHALL BE PROVIDED WITH MUD RINGS AS REQUIRED FOR THE DEVICE AND WALL MATERIAL.
  - OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE CAST METAL OR PVC OUTLET, JUNCTION, AND PULL BOXES.
  - ALL DEVICE BOXES SHALL BE SUPPORTED FROM A MINIMUM OF TWO SEPARATE STUDS OR FRAMING MEMBERS.
- E. CONDUCTORS
- SOFT DRAWN, ANNEALED COPPER IN RACEWAY OR CABLE SIZED AS SHOWN ON THE PLANS. MINIMUM #12 AWG UNLESS NOTED OTHERWISE. #8 AWG AND LARGER SHALL BE STRANDED.
  - ALUMINUM CONDUCTORS IN RACEWAY OR CABLE MAY BE USED FOR CONDUCTORS SIZED #8 OR LARGER WHERE THE CONNECTORS USED ARE LISTED FOR USE WITH THE ALUMINUM CONDUCTORS.
  - CONDUCTORS SHALL XHHW-2, THHN OR THWN-2 COLOR CODED IN ACCORDANCE WITH PART 3, SECTION C. 1. OF THESE SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.
  - CONDUCTORS SHALL BE USED AS LISTED BY THE NEC.
- F. WIRING CONNECTIONS
- MAKE ALL ELECTRICAL CONNECTIONS.
  - MAKE CONNECTION TO DEVICES USING "PIG-TAILS". DO NOT USE A DEVICE AS A CONNECTION OR A SPLICE UNIT.
  - DO NOT PLACE STRANDED CONDUCTORS DIRECTLY UNDER SCREWS. INSTALL CRIMP-ON, INSULATED, FORK TERMINALS FOR CONDUCTOR TERMINATIONS, OR INSTALL SOLID CONDUCTORS.
  - WHEN CONDUCTORS LARGER THAN #10 ARE SHOWN FOR A 120V CIRCUIT PROVIDE THE CONDUCTOR SHOWN BUT USE A #10 PIG-TAIL TO CONNECT TO THE DEVICE AND TO THE BREAKER. KEEP THE #10 CONDUCTORS 36 INCHES OR SHORTER.
- G. NAMEPLATES
- PROVIDE EACH PANEL BOARD AND DISCONNECT SWITCH WITH A MICARTA PLASTIC NAMEPLATE MADE OF WHITE-FACED BLACKCORE PLASTIC LAMINATE WITH 1/4" HIGH LETTERING. NAMEPLATE SHALL INCLUDE DESIGNATION, DRAWING, PHASE, VOLTAGE, AND PANEL IT IS FED FROM. FASTEN WITH SCREWS OR RIVETS. NO OTHER ATTACHMENT METHOD IS ALLOWED. SEE DETAIL ON DRAWINGS.
- H. COMMUNICATIONS AND STRUCTURED CABLING
- PROVIDE COMPLETE SYSTEM AS INDICATED ON THE DRAWINGS.
  - PROVIDE A COMMUNICATIONS PANEL OR BACKBOARD FOR THE COMMUNICATIONS DEMARC FOR THE BUILDING.
  - PROVIDE A 3" COMMUNICATION CONDUIT FROM THE BUILDING COMMUNICATIONS DEMARC PANEL/BACKBOARD TO THE COMMUNICATIONS SERVICE PROVIDER POINT OF CONNECTION ON THE SITE. COORDINATE WITH THE COMMUNICATIONS PROVIDER AND OWNER.
  - PROVIDE A 3/4" CONDUIT WITH ONE CAT6 CABLE FROM THE DATA/COM CABINET TO EACH COMMUNICATIONS OUTLET UNLESS NOTED OTHERWISE.
  - PROVIDE COMMUNICATIONS OUTLETS WHERE SHOWN ON THE DRAWINGS.
  - MAKE CONNECTIONS ON BOTH ENDS OF EACH CABLE ACCORDING TO 568B STANDARDS.
- I. WIRING DEVICES
- PLATES – COLOR OF PLATE SHALL BE WHITE.
  - TELEPHONE AND DATA OUTLETS SHALL BE PROVIDED WITH CONNECTORS AS INDICATED ON THE DRAWINGS.
  - SWITCHES – SHALL BE AS SHOWN ON THE PLANS OR EQUAL OF P&S, LEVITON OR COOPER 20 AMP, SILENT TYPE. COLOR SHALL BE WHITE.
  - RECEPTACLES – SHALL BE AS SHOWN ON PLANS OR EQUAL OF P&S, LEVITON OR COOPER 20AMP. COLOR SHALL BE WHITE.
  - SPECIAL PURPOSE OUTLETS SHALL BE AS INDICATED ON THE DRAWINGS.
- J. PANEL BOARDS AND SWITCH GEAR
- DEAD FRONT TYPE, EQUIPPED WITH BOLT – ON CIRCUIT BREAKERS AND PROVISIONS FOR FUTURE BREAKERS, AS INDICATED. SQUARE D OR CUTLER HAMMER. THE NUMBER OF POLES, TYPE, VOLTAGE, AND AMP RATING SHALL BE AS INDICATED ON THE PLANS. BUS BARS SHALL BE COPPER OR ALUMINUM UNO. PROVIDE FULL SIZE GROUND BUS. NEUTRAL WIRES SHALL BE CONNECTED TO A COMMON NEUTRAL BUS WITH BINDING SCREWS OR LUGS, THE NEUTRAL BUS SHALL BE INSULATED FROM THE CABINET.
  - FURNISH COMPLETE WITH DOOR, KEYPAD LOCK AND TYPE WRITTEN, LAMINATED DIRECTORY. CABINETS SHALL BE RIGIDLY SUPPORTED INDEPENDENT OF CONDUITS.
  - PROVIDE FULLY RATED PANEL BOARDS WITH A MINIMUM AIC RATING AS INDICATED ON THE DRAWINGS.
  - PROVIDE NEW BREAKERS IN EXISTING PANELBOARDS/SWITCHGEAR AS INDICATED ON THE PANEL SCHEDULES. THE BREAKERS SHALL HAVE AN AIC RATING AS SHOWN ON THE PANEL SCHEDULE OR TO MATCH THE AIC RATING OF THE EXISTING BREAKERS WHICHEVER IS LARGER.
  - BREAKERS 200A AND LARGER SHALL HAVE LSI TRIP UNITS.
  - INSTALL PANELS WITH TOP CIRCUIT BREAKER AT 48" AFF IN UNITS DESIGNATED AS ACCESSIBLE AND AS REQUIRED BY CODE.
- K. INTERIOR AND EXTERIOR LUMINAIRES
- PROVIDE LIGHTING SYSTEM COMPLETE WITH LAMPS AND ACCESSORIES, AS INDICATED IN THE CONTRACT DOCUMENTS.
  - LUMINAIRES
    - PROVIDE COMPLETE LUMINAIRE ASSEMBLIES OF TYPE INDICATED ON THE DRAWINGS WITH FEATURES, OPTIONS AND ACCESSORIES AS SCHEDULED AND AS NEEDED FOR A COMPLETE ASSEMBLY AND INSTALLATION.
  - LIGHTING CONTROLS
    - PROVIDE LIGHTING CONTROLS AS INDICATED ON THE DRAWINGS WITH EQUALS OF WATTSTOPPER AND NLIGHT.
    - ALL SENSORS SHALL BE PROGRAMMED AS OCCUPANCY SENSORS WITH A 10 MINUTE DELAY BEFORE OFF UNO.
    - LOCATE CEILING OCCUPANCY SENSORS IN A LOCATION THAT SEES THE ROOM BUT DOES NOT SEE PEOPLE WALKING PAST THE OPEN DOOR.
- L. SAFETY SWITCHES
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SAFETY SWITCHES AS INDICATED ON THE DRAWINGS OR AS REQUIRED. ALL SAFETY SWITCHES SHALL BE UL LISTED. THE SWITCHES SHALL BE FUSED SAFETY SWITCHES OR NON-FUSED SAFETY SWITCHES AS SHOWN ON THE DRAWINGS OR REQUIRED BY CODE AND SHALL BE MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS OR CUTLER HAMMER.
  - SWITCHES SHALL HAVE A QUICK-MAKE AND QUICK-BREAK OPERATING HANDLE AND MECHANISM WHICH SHALL BE AN INTEGRAL PART OF THE BOX. PADLOCKING PROVISIONS SHALL BE PROVIDED FOR PADLOCKING IN THE OFF POSITION WITH AT LEAST THREE PADLOCKS. SWITCHES SHALL BE HORSEPOWER RATED FOR 250 VOLTS AC OR DC OR 600 VOLTS AC AS REQUIRED. LUGS SHALL BE UL LISTED FOR COPPER AND ALUMINUM CABLE AND SHALL HAVE A TEMPERATURE RATING OF AT LEAST 75 DEGREES C.
  - SWITCHES SHALL BE FURNISHED IN NEMA 1 GENERAL PURPOSE ENCLOSURES WITH KNOCKOUTS UNLESS OTHERWISE NOTED OR REQUIRED. SWITCHES LOCATED ON THE EXTERIOR OF THE BUILDING OR IN "WET" LOCATIONS SHALL HAVE NEMA 3R ENCLOSURES (WP).
  - THE SAFETY SWITCHES SHALL BE SECURELY MOUNTED IN ACCORDANCE WITH THE NEC. THE CONTRACTOR SHALL PROVIDE ALL MOUNTING MATERIALS AND INSTALL FUSES IN THE FUSED SAFETY SWITCHES. THE FUSES SHALL BE DUAL ELEMENT ON MOTOR CIRCUITS.
  - PROVIDE FUSES AS SPECIFIED BELOW. FUSES SHALL BE INSTALLED SO THAT THE RATING IS CLEARLY VISIBLE WITHOUT REMOVING FUSE. PROVIDE A SPARE FUSE FOR EACH FUSE INSTALLED.
  - PROVIDE A NAMEPLATE ON EACH DISCONNECT SWITCH AS SPECIFIED IN "NAMEPLATES".
- M. FUSES
- FUSES SHALL BE CLASS "RK-1" REJECTION TYPE OR TYPE KLLU OR AS NOTED ON THE DRAWINGS. FUSES SERVING MOTOR LOADS SHALL BE DUAL ELEMENT WITH A MINIMUM TIME DELAY OF 10 SECONDS AT 500% RATING. FUSES SHALL BE CURRENT LIMITING TIME DELAY TYPE WITH INTERRUPTING CAPACITY OF 200,000 AMP RMS SYMMETRICAL.
  - FUSES SERVING SWITCH OR CIRCUIT BREAKER DISTRIBUTION PANELS, LIGHTING PANEL BOARDS AND OTHER NON-MOTOR LOADS NEED NOT BE TIME DELAY TYPE, BUT SHALL BE CURRENT LIMITING WITH THE INTERRUPTING CAPACITY OF 200,000AMP RMS SYMMETRICAL MINIMUM. FUSES SHALL BE BUSSMAN, GOULD OR LITTELFUSE.
  - PROVIDE FUSES SIZED TO THE MAXIMUM SIZE RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT OR AS SHOWN ON THE DRAWINGS IF THE MANUFACTURER DOES NOT HAVE A RECOMMENDED SIZE.

## ELECTRICAL SPECIFICATIONS

- PART 1 – GENERAL
- A. DESCRIPTION
- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS DEFINED BY THESE DRAWINGS AND APPLICABLE CODES.
- B. RULES AND REGULATIONS
- ALL WORK AND MATERIALS SHALL BE INSTALLED AS SHOWN AND HEREIN SPECIFIED.
  - THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, STANDARDS, AND AMENDMENTS, AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION, SHALL FORM A PART OF THIS SPECIFICATION THE SAME AS IF HEREIN WRITTEN OUT IN FULL (ALL MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS THEREOF):
    - NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), PUBLICATION NUMBER 70, "NATIONAL ELECTRICAL CODE", PUB. NO. 72E, "AUTOMATIC FIRE DETECTORS".
    - UL (UNDERWRITERS LABORATORIES, INC.).
    - NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION).
    - UBC (UNIFORM BUILDING CODE) AND STANDARD BUILDING CODE.
    - IBC (INTERNATIONAL BUILDING CODE)
    - IFC (INTERNATIONAL FIRE CODE)
    - IECC (INTERNATIONAL ENERGY CONSERVATION CODE)
    - IEC (INTERNATIONAL ELECTRICAL CODE)
    - ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE CODE)
    - STATE AND LOCAL BUILDING AUTHORITY AND CODES
  - NO REQUIREMENT TO THESE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUCTED TO VOID ANY OF THE PROVISIONS OF THE ABOVE SPECIFICATIONS AND STANDARDS.
- C. PERMITS AND INSPECTIONS UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL APPLY, PAY FOR AND SCHEDULE ALL APPLICABLE PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY AND ALL PUBLIC AUTHORITIES HAVING JURISDICTION AND REQUIRING INSPECTION AND THE OWNER.
- D. WORKMANSHIP AND MATERIALS
- WORKMANSHIP SHALL BE OF THE BEST QUALITY AND NONE BUT COMPETENT PERSONNEL SKILLED IN THEIR TRADE SHALL BE EMPLOYED. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED SUPERINTENDENT, WHO WILL BE IN CHARGE OF THE EXECUTION OF WORK, UNTIL COMPLETED AND ACCEPTED.
  - UNLESS OTHERWISE HEREIN AFTER SPECIFIED, ALL MATERIALS AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE NEW, OF BEST GRADE AND AS LISTED IN PRINTED CATALOGS OF THE MANUFACTURER. EACH ARTICLE OF ITS KIND SHALL BE THE STANDARD PRODUCT OF A SINGLE MANUFACTURER.
  - THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT TO ACCEPT OR REJECT MATERIAL EQUIPMENT AND/OR WORKMANSHIP AND DETERMINE WHEN THEY HAVE COMPLIED WITH THE REQUIREMENTS HEREIN SPECIFIED.
  - ALL MANUFACTURED MATERIALS SHALL BE CLEARLY MARKED OR STAMPED WITH THE MANUFACTURER'S NAME AND RATING.
  - REFERENCE TO STANDARDS ARE INTENDED TO BE THE LATEST REVISION OF THE STANDARD SPECIFIED, OR THAT ACCEPTED BY THE AUTHORITY HAVING JURISDICTION
- E. MANUFACTURER'S RECOMMENDATIONS
- EQUIPMENT INSTALLED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.
- F. GUARANTEE
- ALL MATERIALS AND EQUIPMENT PROVIDED AND INSTALLED UNDER THIS SECTION SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR. SHOULD ANY TROUBLE OR MALFUNCTIONS DEVELOP DURING THIS PERIOD DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP, THE CONTRACTOR WILL BE HELD LIABLE AND SHALL FURNISH LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CORRECT THE TROUBLE OR MALFUNCTION WITHOUT ADDITIONAL COST TO THE OWNER. ALL DEFECTIVE MATERIAL OR INTERIOR WORKMANSHIP NOTICED DURING THE TIME OF INSTALLATION SHALL BE CORRECTED IMMEDIATELY TO THE ENTIRE SATISFACTION OF THE ARCHITECT, ENGINEER AND OWNER, AT NO ADDITIONAL COST.
- G. DEFINITIONS
- FURNISH: TO SUPPLY AND DELIVER, UNLOAD, INSPECT FOR DAMAGE.
  - INSTALL: TO UNPACK, ASSEMBLE, ERECT, APPLY, PLACE, FINISH, CURE, PROTECT, CLEAN, AND MAKE READY FOR USE.
  - PROVIDE: TO FURNISH AND INSTALL.
- H. SUBMITTALS
- PROVIDE SHOP DRAWINGS AND MANUFACTURER'S LITERATURE OF MATERIALS AND EQUIPMENT AS REQUIRED IN THE GENERAL CONDITIONS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW.
  - CATALOG CUTS
    - CONDUIT AND FITTINGS
      - RIGID METAL
      - INTERMEDIATE METAL
      - ELECTRICAL METALLIC TUBING
      - FLEXIBLE METALLIC
      - LIQUID TIGHT FLEXIBLE METALLIC
      - FITTINGS (EACH TYPE)
    - WIRE AND CABLE
    - SWITCHES
      - SNAP
      - OCCUPANCY SENSOR
    - RECEPTACLE OUTLETS
      - GENERAL PURPOSE
      - GROUND FAULT CIRCUIT INTERRUPTION
    - TRIM AND COVER PLATES (EACH TYPE AND STYLE)
    - PANEL BOARDS
    - SAFETY SWITCHES
    - LIGHTING FIXTURES
    - NAMEPLATES
  - SHOP DRAWINGS
    - PANEL BOARDS
    - LIGHTING FIXTURES

THE ABOVE IS A STANDARD SUBMITTAL REQUIREMENT LIST. ELECTRICAL CONTRACTOR SHALL SUBMIT ALL APPLICABLE ITEMS FOR REVIEW. MATERIAL NOT SUBMITTED AND APPROVED BY THE ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS COST IF DIRECTED BY THE ARCHITECT, ENGINEER OR THE OWNER'S REPRESENTATIVE.

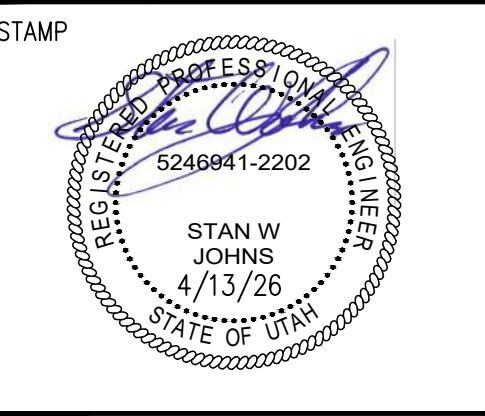
- PART 2 – MATERIALS
- A. GENERAL
- MATERIALS AND EQUIPMENT SHALL BE STANDARD CATALOGED PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF THE PRODUCT, UL LISTED, AND SHALL BE THE LATEST STANDARD DESIGN THAT CONFORMS TO SPECIFIED MATERIALS AND EQUIPMENT.
- B. RACEWAY AND CABLE
- ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE SHALL BE USED IN INTERIOR DRY LOCATIONS. MC CABLE FOR POWER TO LUMINAIRES.
  - GALVANIZED FLEXIBLE STEEL (FMC) OR LIQUID TIGHT STEEL (LFMC) CONDUIT SHALL BE USED FOR CONNECTIONS TO MECHANICAL EQUIPMENT AND TRANSFORMERS AND AS INDICATED. LIQUID TIGHT CONDUIT SHALL BE USED IN EXTERIOR AND WET/DAMP LOCATIONS.
  - SCHEDULE 40 PVC WITH PVC COATED OR VINYL TAPE DOUBLE WRAPPED RIGID STEEL ELBOWS AND RISES) SHALL BE USED FOR RUNS THAT ARE IN CONTACT WITH THE EARTH.
  - 3/4" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT.
  - OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE RIGID STEEL CONDUIT OR LFMC.
  - NM TYPE CABLE AS ALLOWED BY THE NEC.
  - SER TYPE CABLE AS ALLOWED BY THE NEC.
  - ALL CABLES AND CONDUITS ALLOWED BY THE NEC FOR THE APPLICATION.
- C. FITTINGS
- ALL FITTINGS SHALL BE STEEL/MALLEABLE IRON WITH INSULATING BUSHINGS.
- D. OUTLET AND JUNCTION BOXES
- BOXES IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE, NOT LESS THAN 4 INCHES SQUARE AND 2 1/8" DEEP; APPLETON, RACO, OR EQUAL AND AS SHOWN ON THE DRAWINGS.
  - BOXES SHALL BE EQUIPPED WITH PLASTER RINGS, EXTENSION RINGS, AND FIXTURE STUDS AS REQUIRED.
  - PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.



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STONE CREEK DENTAL  
 10509 RIVER HEIGHTS DRIVE, STE 203  
 SOUTH JORDAN, UT 84095  
 SHEET TITLE ELECTRICAL SPECIFICATIONS

REVISIONS	
NO.	DESCRIPTION

ISSUE DATE: 4/13/26  
 ISSUE TYPE: PERMIT  
 DRAWN BY: JLC  
 CHECKED BY: SJW

# E5.0

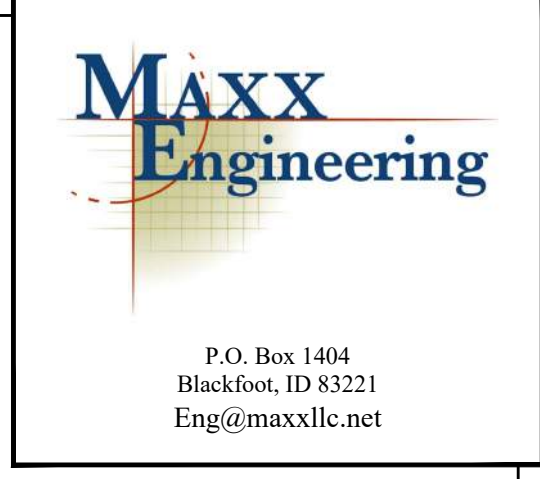
Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F117]†	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.1.1 [F157]†	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5 [F116]†	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F133]†	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
<b>Additional Comments/Assumptions:</b>			
<div style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">1 High Impact (Tier 1)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">2 Medium Impact (Tier 2)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">3 Low Impact (Tier 3)</span> </div>			
Project Title: Brown Dental		Report date: 04/13/26	
Data filename:		Page 5 of 5	

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22]†	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern $\geq$ 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.1 [EL18]†	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces $\leq$ 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.1 [EL19]†	Occupancy sensors control function in warehouses: In warehouses, the lighting in aiseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aiseway independently and do not control lighting beyond the aiseway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.1 [EL20]†	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces $\geq$ 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas $\leq$ 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by $\geq$ 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL21]†	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
<b>Additional Comments/Assumptions:</b>			
<div style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">1 High Impact (Tier 1)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">2 Medium Impact (Tier 2)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">3 Low Impact (Tier 3)</span> </div>			
Project Title: Brown Dental		Report date: 04/13/26	
Data filename:		Page 3 of 5	

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4.1, C405.2.4.2 [EL23]†	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 [EL27]†	Additional interior lighting power allowed for special functions per the approved lighting plans, and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.7 [EL26]†	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8 [EL27]†	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9.1, C405.9.2 [EL28]†	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.10 [EL29]†	Total voltage drop across the combination of feeders and branch circuits $\leq$ 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.1.1 [EL30]†	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy $\geq$ 65 lm/W or luminaires with efficacy $\geq$ 45 lm/W or comply with C405.2.4 or C405.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.11.1 [EL31]†	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and $>$ 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
<b>Additional Comments/Assumptions:</b>			
<div style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">1 High Impact (Tier 1)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">2 Medium Impact (Tier 2)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">3 Low Impact (Tier 3)</span> </div>			
Project Title: Brown Dental		Report date: 04/13/26	
Data filename:		Page 4 of 5	

COMcheck Software Version COMcheckWeb	
Interior Lighting Compliance Certificate	
<b>Project Information</b>	
Energy Code:	2021 IECC
Project Title:	Brown Dental
Project Type:	Alteration
Construction Site:	South Jordan, Utah
Owner/Agent:	THINK Architecture
Designer/Contractor:	Maxx LLC
<b>Allowed Interior Lighting Power</b>	
<b>A Area Category</b>	<b>B Floor Area (ft<sup>2</sup>)</b>
1-Health Care-Clinic	3375
	<b>C Allowed Watts / ft<sup>2</sup></b>
	0.81
	<b>D Allowed Watts</b>
	2734
Total Allowed Watts = 2734	
<b>Proposed Interior Lighting Power</b>	
<b>Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast</b>	<b>B Lamps/ Fixture</b>
	<b>C # of Fixture</b>
	<b>D Watt.</b>
	<b>E (C X D)</b>
Health Care-Clinic (3375 sq.ft.)	
LED: F1: 2X4 TROFFER: Other:	1
LED: F2: 4' LINEAR: Other:	1
LED: F3: PENDANT: Other:	1
LED: F4: 6" DOWNLIGHT: Other:	1
LED: F5: WALL SCONCE: Other:	1
Total Proposed Watts = 1917	
<b>Interior Lighting PASSES</b>	
<b>Interior Lighting Compliance Statement</b>	
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the inspection Checklist.	
Stan W. Johns	4/13/26
Name - Title	Date
<b>Additional Comments/Assumptions:</b>	
<div style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">1 High Impact (Tier 1)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">2 Medium Impact (Tier 2)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">3 Low Impact (Tier 3)</span> </div>	
Project Title: Brown Dental	
Data filename: Page 1 of 5	

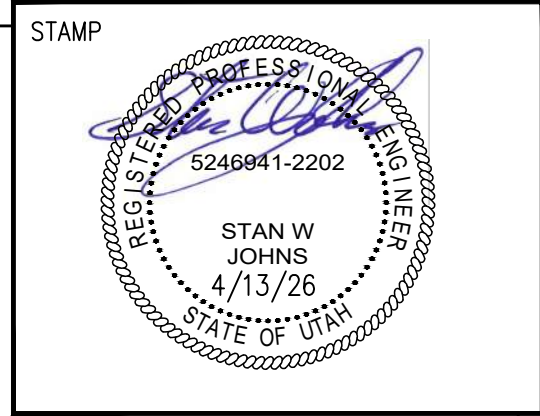
COMcheck Software Version COMcheckWeb	
Inspection Checklist	
Energy Code: 2021 IECC	
Requirements: 0.0% were addressed directly in the COMcheck software	
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.	
Section # & Req.ID	Plan Review
C103.2 [PR4]†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.
	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable
<b>Additional Comments/Assumptions:</b>	
<div style="text-align: center;"> <span style="border: 1px solid black; padding: 2px;">1 High Impact (Tier 1)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">2 Medium Impact (Tier 2)</span> <span style="border: 1px solid black; padding: 2px; margin-left: 10px;">3 Low Impact (Tier 3)</span> </div>	
Project Title: Brown Dental	
Data filename: Page 2 of 5	



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STONE CREEK DENTAL  
 10509 RIVER HEIGHTS DRIVE, STE 203  
 SOUTH JORDAN, UT 84095  
 SHEET TITLE COMPLIANCE REPORT

REVISIONS	
NO.	DESCRIPTION

ISSUE DATE: 4/13/26  
 ISSUE TYPE: PERMIT  
 DRAWN BY: JLC  
 CHECKED BY: SJW

E6.0