

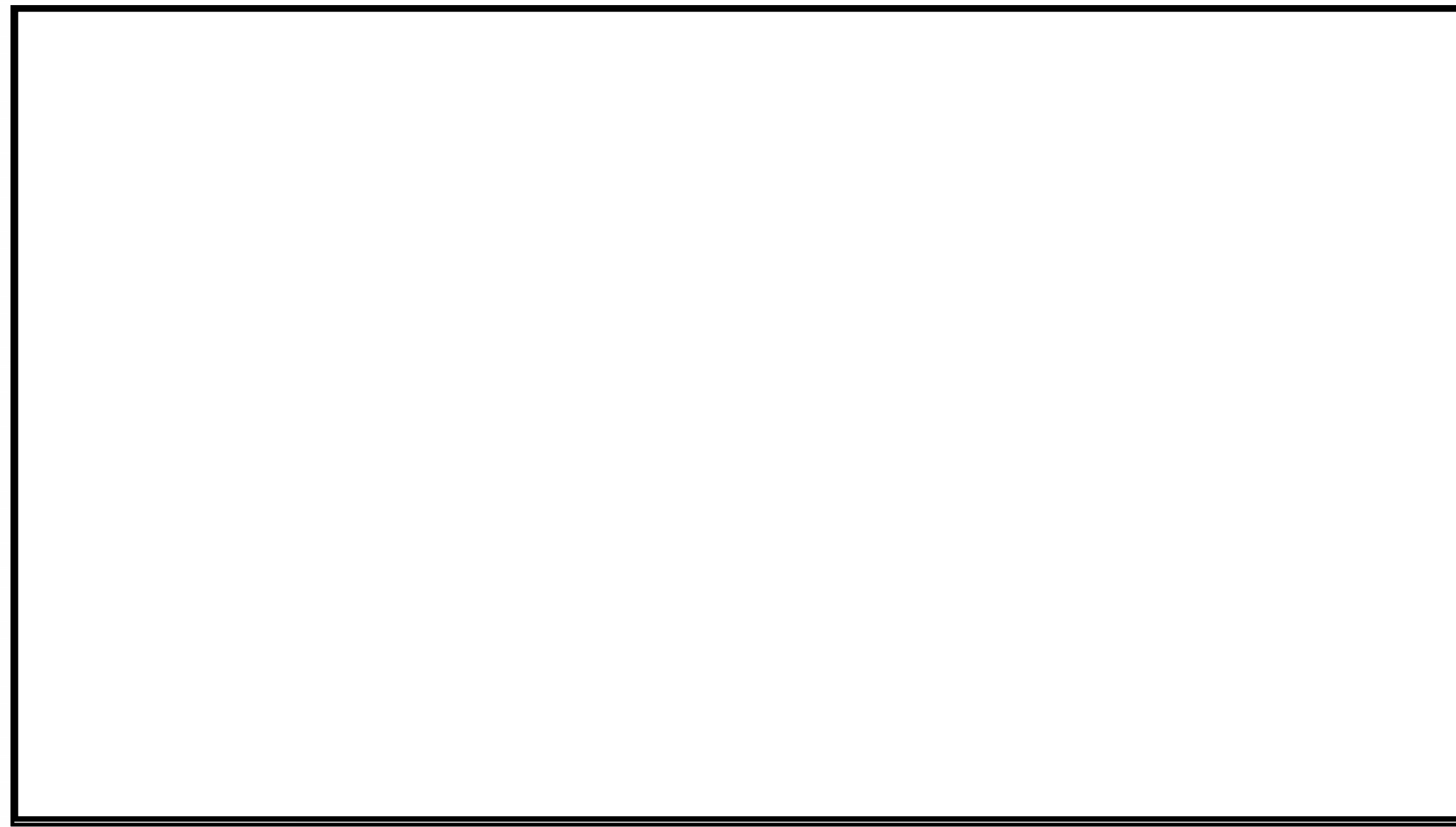


MILLCREEK DERMATOLOGY

4252 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

09 DECEMBER 2025

CONSTRUCTION
DOCUMENTS



CONSULTANTS

MECHANICAL & PLUMBING

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QUILCENE WA 98376
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DRAWING INDEX

GENERAL SHEETS
G000 COVER SHEET
G001 CODE COMPLIANCE & GENERAL DRAWING INFORMATION
G002 ACCESSIBILITY COMPLIANCE
G101 LIFE SAFETY PLAN

ARCHITECTURAL DEMO
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EX152 EXISTING REFLECTED CEILING PLAN - LEVEL 2

ARCHITECTURAL DEMO
AD102 DEMOLITION FLOOR PLAN - LEVEL 2
AD152 DEMOLITION REFLECTED CEILING PLAN - LEVEL 2

ARCHITECTURAL
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A132 DIMENSIONAL FRAMING PLAN - LEVEL 2
A152 REFLECTED CEILING PLAN - LEVEL 2
A401 ENLARGED FLOOR PLAN - RESTROOM
A402 ENLARGED FLOOR PLAN - RECEPTION
A601 DOOR AND WINDOWS
A602 DOOR & WINDOW DETAILS - METAL
A701 MISCELLANEOUS DETAILS
A702 MISCELLANEOUS DETAILS - METAL
AI100 INTERIOR FINISH & ROOM SCHEDULE
AI102 INTERIOR FINISH PLAN - LEVEL 2
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MECHANICAL
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M-101 UPPER LEVEL MECHANICAL PLAN
M-102 ROOF LEVEL MECHANICAL PLAN
M-501 MECHANICAL DETAILS
M-601 MECHANICAL SCHEDULES

PLUMBING
PD-101 UPPER LEVEL PLUMBING DEMOLITION PLAN
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ELECTRICAL
E010 ELECTRICAL COVER SHEET
E020 ENERGY COMPLIANCE CERTIFICATION
E050 ELECTRICAL SPECIFICATIONS
ED101 ELECTRICAL DEMOLITION PLAN
E101 POWER RENOVATION PLAN
E151 LIGHTING RENOVATION PLAN
E501 ELECTRICAL DIAGRAMS
E502 DETAILS
E601 EQUIPMENT SCHEDULE
E602 PANEL SCHEDULES & CALCULATIONS



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PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4252 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: 09 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: CORE
PM / PA: CORE

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CONSTRUCTION
DOCUMENTS

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TO BE PRINTED IN COLOR

SHEET TITLE

COVER SHEET

SHEET NUMBER

G000

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BUILDING CODES

2021 INTERNATIONAL BUILDING CODE.
2021 INTERNATIONAL FIRE CODE.
2021 INTERNATIONAL MECHANICAL CODE.
2021 INTERNATIONAL PLUMBING CODE.
2020 NATIONAL ELECTRICAL CODE.
2021 INTERNATIONAL ENERGY CONSERVATION CODE.
2017 IBCA117.1
UTAH STATE CODE AMENDMENTS, EFFECTIVE 1 JULY 2023
STANDARDS FOR HEALTH FACILITY LICENSURE RULES, TITLE 432
NFPA 101 - LIFE SAFETY CODE, 2009 EDITION
UTAH STATE CODE AMENDMENTS, EFFECTIVE 1 JULY 2019

DESIGN CRITERIA

Table with 2 columns: Design Criteria and Value. Includes rows for MAIN LEVEL AREA, SECOND LEVEL AREA, THIRD LEVEL AREA, OCCUPANCY GROUP, ALLOWABLE BUILDING HEIGHT, ALLOWABLE STORIES ABOVE GRADE, BUILDING HEIGHT, ALLOWABLE AREA, ACCESSORY OCCUPANCY, SEPARATION OF OCCUPANCIES, CONSTRUCTION TYPE, FIRE RATING REQUIREMENTS, SHAFT ENCLOSURES, DRAFT STOPPING, INTERIOR WALL AND CEILING FINISHES, INTERIOR FLOOR FINISHES.

BIDDING INFORMATION

THESE DOCUMENTS ARE INTENDED FOR PROJECT NEGOTIATION BETWEEN A SINGLE GENERAL CONTRACTOR AND OWNER. THESE DOCUMENTS ARE NOT INTENDED TO BE USED FOR COMPETITIVE BIDDING BY MULTIPLE GENERAL CONTRACTORS.

THE ARCHITECT WILL CLARIFY INFORMATION WITHIN THESE DOCUMENTS FOR A SINGLE OWNER-SELECTED GENERAL CONTRACTOR ONLY. REQUESTS FOR CLARIFICATION SHALL BE DIRECTED TO CORE ARCHITECTURE BY THE GENERAL CONTRACTOR. CALLS FROM SUBCONTRACTORS WILL BE REFERRED TO THE GENERAL CONTRACTOR.

THESE DOCUMENTS ARE INTENDED TO BE USED FOR COMPETITIVE GENERAL CONTRACTORS.

THE ARCHITECT WILL CLARIFY INFORMATION WITHIN THESE DOCUMENTS DURING BIDDING TO THE GENERAL CONTRACTOR ONLY. REQUESTS FOR CLARIFICATION SHALL BE DIRECTED TO CORE ARCHITECTURE BY THE GENERAL CONTRACTOR. CALLS FROM SUBCONTRACTORS WILL BE REFERRED TO THE GENERAL CONTRACTOR.

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER IN ACCORDANCE WITH 2021 INTERNATIONAL BUILDING CODE CHAPTER 17.

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE. TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE OWNER, THE BUILDING OFFICIAL, THE ARCHITECT OF RECORD, THE ENGINEER OF RECORD, AND TO THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT DOCUMENTING THAT THE SPECIAL INSPECTION WORK WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2021 INTERNATIONAL BUILDING CODE.

SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK: ENGINEERED FILL; CONCRETE; REINFORCING FOR POURED-IN-PLACE CONCRETE ABOVE GRADE; REINFORCED MASONRY (IMMEDIATELY PRIOR TO AND DURING GROUTING); BOLTED CONNECTIONS; FIELD WELDING OF STRUCTURAL DIAPHRAGMS; ALL OTHER FIELD WELDING; ULTRASONIC OR MAGNETIC TESTING OF ALL STRUCTURAL MOMENT FRAME WELDS; SUSPENDED CEILING SYSTEMS AND THEIR ANCHORAGE.

DESIGN CRITERIA

Table with 2 columns: Design Criteria and Value. Includes rows for FIRE SPRINKLED, FIRE ALARM, OCCUPANT LOAD, EGRESS SIZING, COMMON PATH OF EGRESSES DISTANCE, MINIMUM EXIT REQUIREMENTS, EXIT ACCESS TRAVEL DISTANCE, CORRIDOR FIRE RESISTANCE, DEAD END CORRIDOR LENGTH, ACCESSIBILITY, SIGNAGE, ROOF COVERING CLASSIFICATION.

DESIGN CRITERIA

Table with 2 columns: Design Criteria and Value. Includes rows for PLUMBING FIXTURES, ELEVATORS, ADDITIONAL REQUIREMENTS, MAIN LEVEL, LEVEL 2, and ONE 2A10BC FIRE EXTINGUISHER.

MATERIALS LEGEND

Table with 2 columns: Material Name and Symbol. Includes rows for EARTH, GRAVEL, CONCRETE, RIGID INSULATION, CONCRETE MASONRY UNIT, STEEL DECK, WOOD BLOCKING, CONTINUOUS WOOD MEMBER, METAL, WOOD STUD WALLS, CONTINUOUS METAL STUD, BATT INSULATION, FINISHED WOOD MEMBER, GLASS.

SYMBOL LEGEND

Table with 2 columns: Symbol Name and Description. Includes rows for DETAIL TAG, ELEVATION, WALL SECTION, OVERALL BUILDING SECTION, GRID LINES, MATCHLINE, ADA CLEAR DISTANCE, WORK POINT OR ELEV. BENCH MARK, WALL TYPES, WINDOW, GLAZING.



233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 core@corearch.com

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PROFESSIONAL STAMP

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PROJECT TITLE AND ADDRESS MILLCREEK DERMATOLOGY

4292 S HIGHLAND DRIVE - SUITE XX MILLCREEK - UT - 84124

Table with 2 columns: REVISIONS, DESCRIPTION, DATE. Includes a table with 2 columns and 10 rows.

Table with 2 columns: PROJECT INFORMATION, DATE, PROJECT #, DRAWN BY, PM / PA.

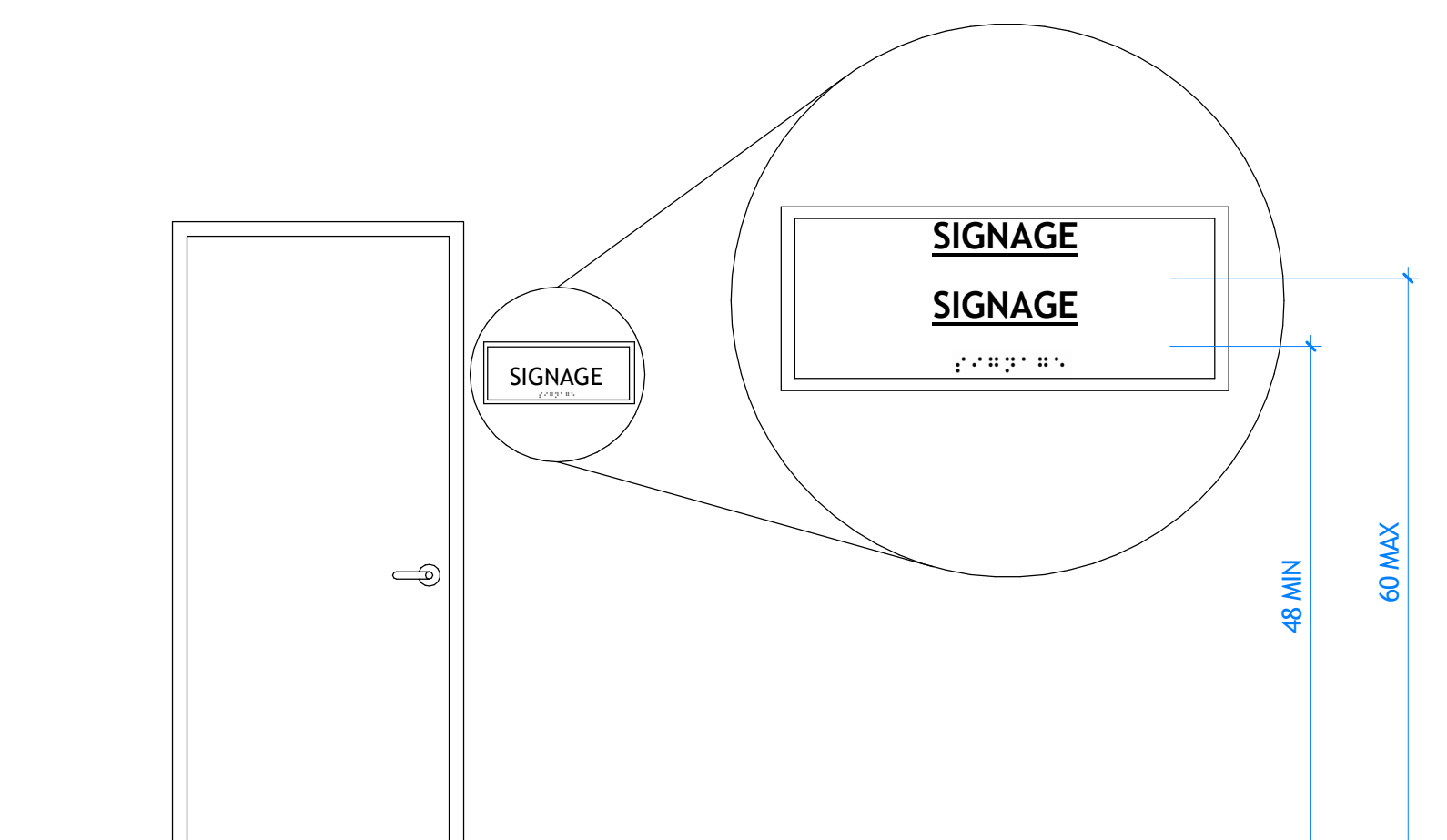
DRAWING SET STATUS CONSTRUCTION DOCUMENTS

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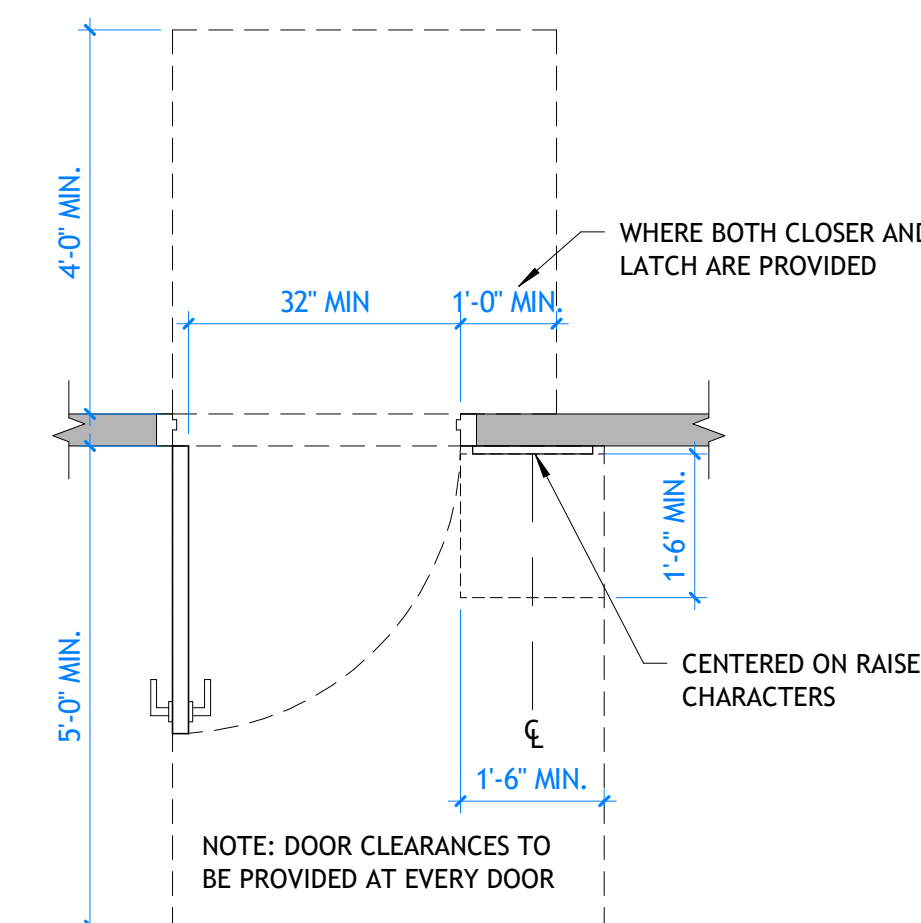
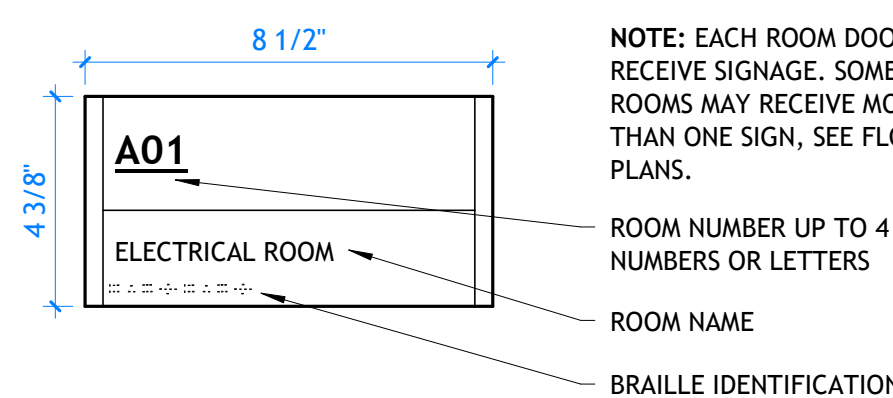
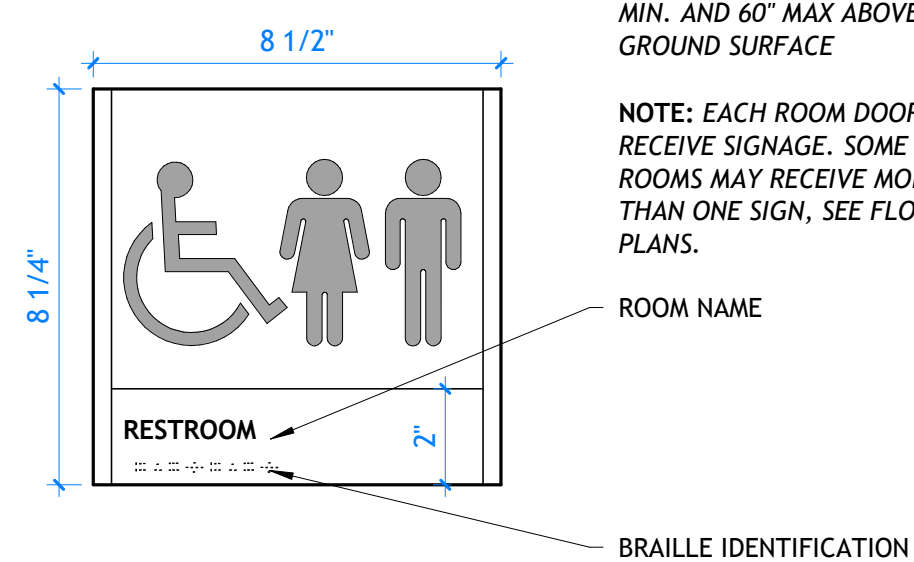
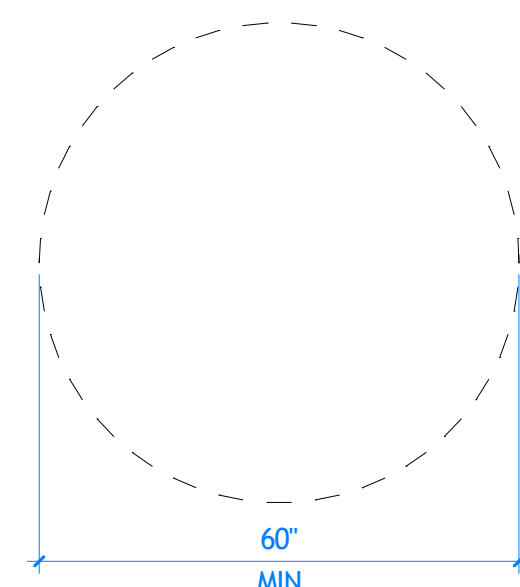
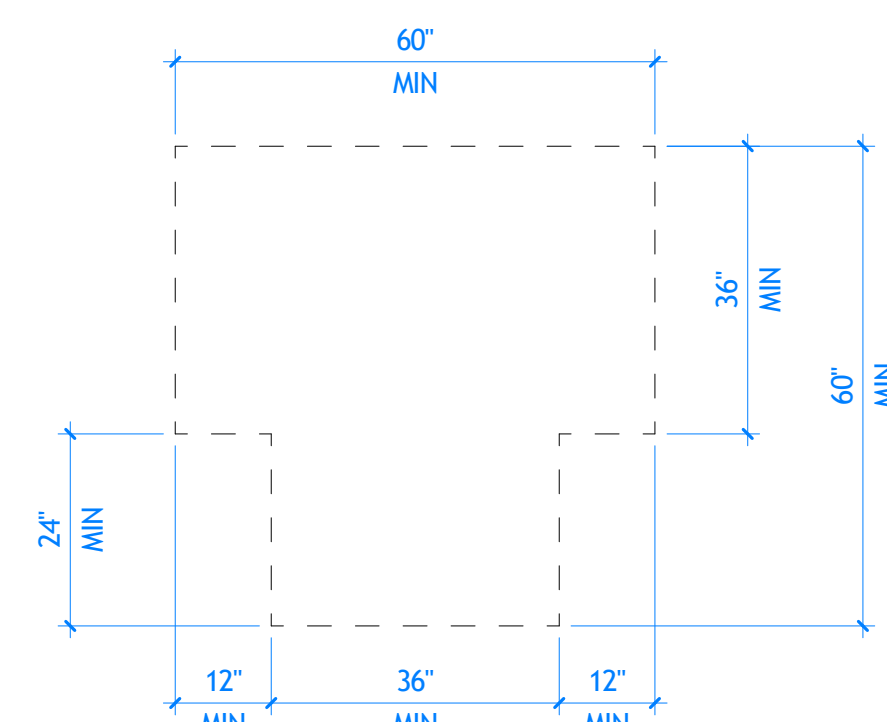
SHEET TITLE CODE COMPLIANCE & GENERAL DRAWING INFORMATION

SHEET NUMBER G001

A



B



B1 ADA TEE TURNING SPACE - ANSI 2009

G002 | SCALE: 1/2" = 1'-0"

B2 ADA CIRCULAR TURNING SPACE - ANSI 2009

G002 | SCALE: 1/2" = 1'-0"

B3 RESTROOM SIGN DETAIL

G002 | SCALE: 3" = 1'-0"

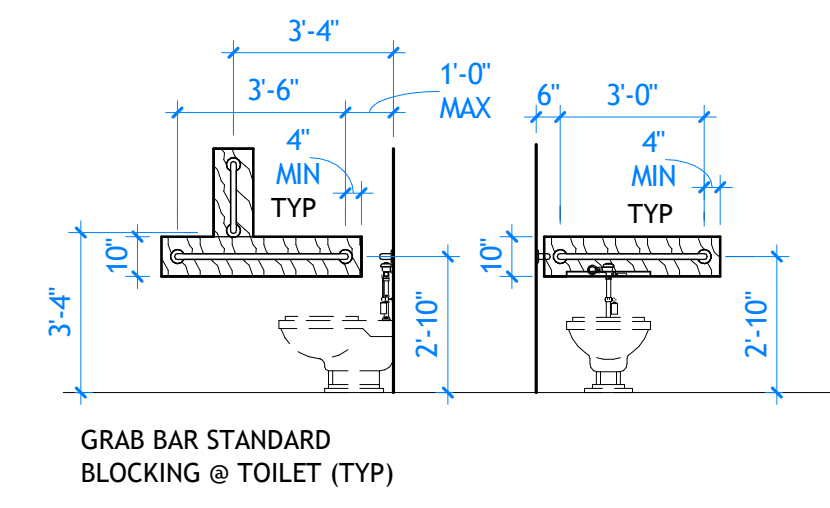
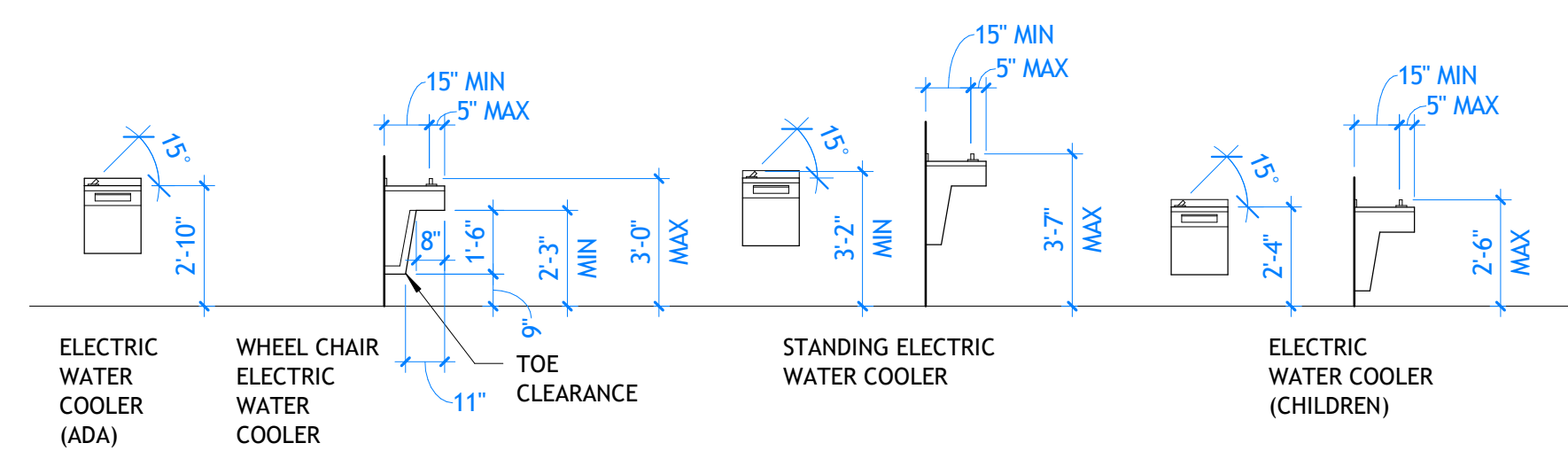
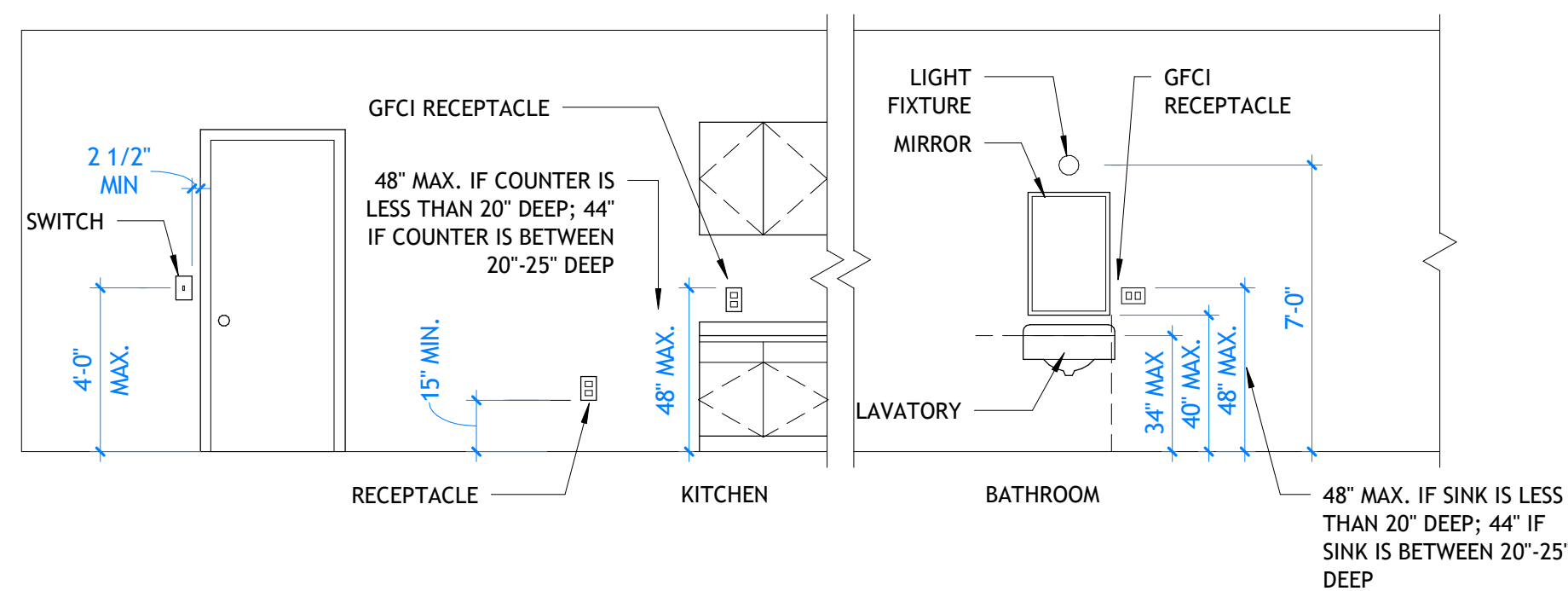
B4 STOR./MECH./ELEC. SIGN DETAIL

G002 | SCALE: 3" = 1'-0"

B5 SIGN LOCATION AND PUSH/PULL DOOR CLEARANCE DETAIL

G002 | SCALE: 1/2" = 1'-0"

C



C1 TYPICAL ACCESSORY HEIGHTS

G002 | SCALE: 1/4" = 1'-0"

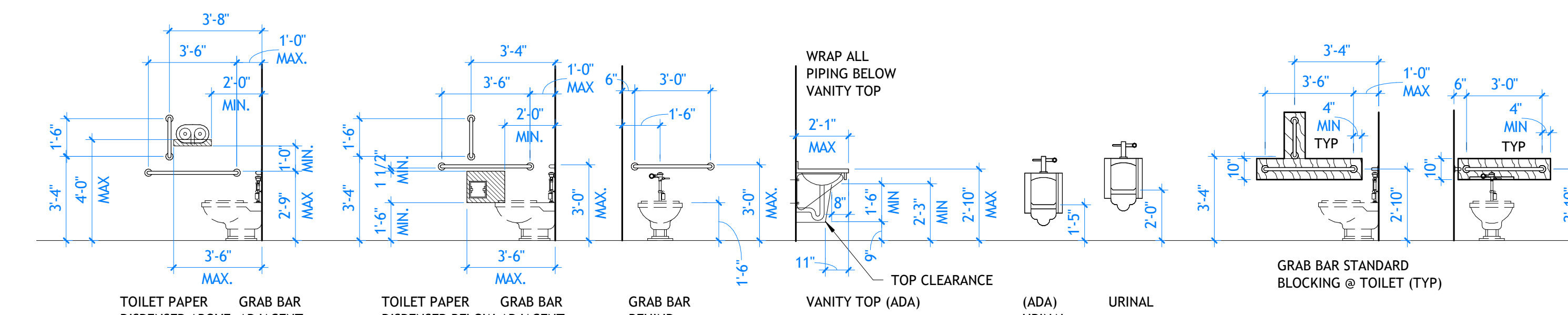
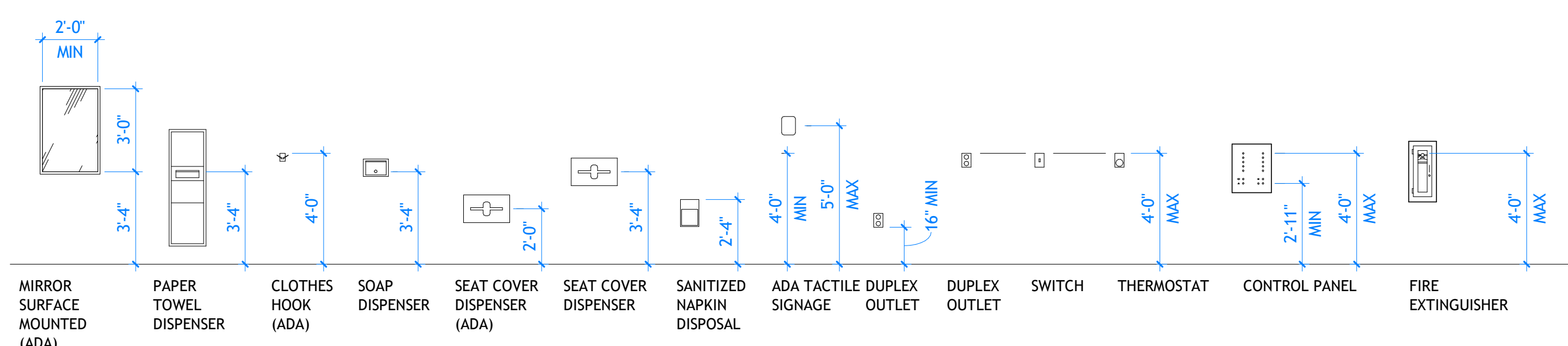
C3 TYPICAL ACCESSORY HEIGHTS

G002 | SCALE: 1/4" = 1'-0"

C5 TYPICAL BLOCKING DETAILS

G002 | SCALE: 1/4" = 1'-0"

D



D1 TYPICAL ACCESSORY HEIGHTS

G002 | SCALE: 1/4" = 1'-0"

D4 TYPICAL ACCESSORY HEIGHTS

G002 | SCALE: 1/4" = 1'-0"

PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY

4292 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	09 DECEMBER 2025
PROJECT #:	25-088
DRAWN BY:	CORE
PM / PA:	CORE

DRAWING SET STATUS
CONSTRUCTION DOCUMENTS

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SHEET TITLE

ACCESSIBILITY COMPLIANCE

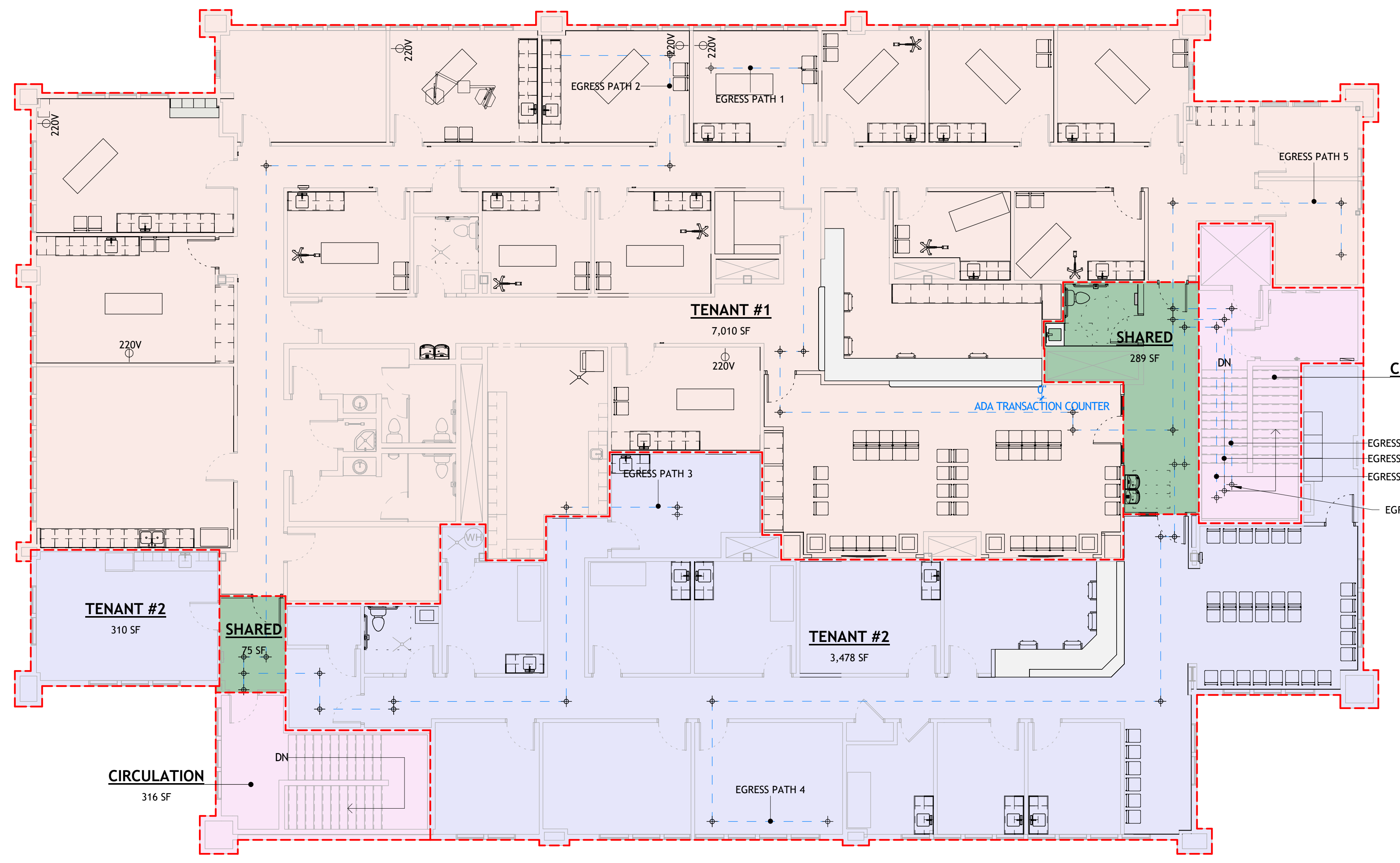
SHEET NUMBER
G002

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KEYNOTES

AREA STUDY

- CIRCULATION
- SHARED
- TENANT #1
- TENANT #2



CIRCULATION
392 SF

EGRESS PATH 5
EGRESS PATH 4
EGRESS PATH 1
EGRESS PATHS CONTINUE TO LEVEL 1. SEE D1/G101.

EGRESS PATH LEGEND

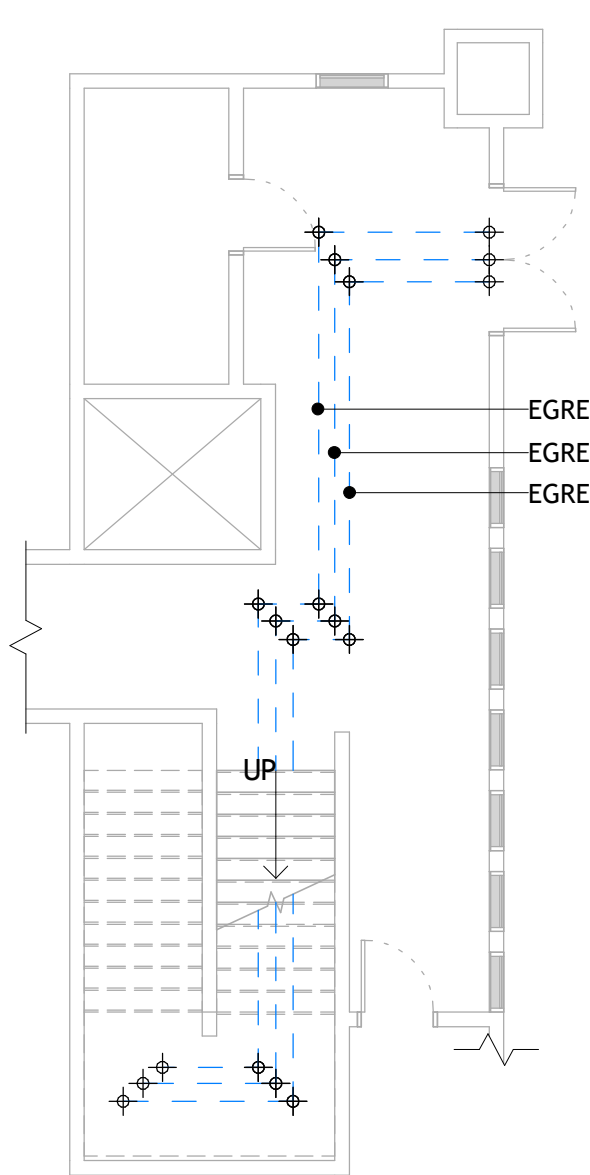
- EGRESS PATH
- COMMON EGRESS PATH
- FEC PATH
- ACCESSIBILITY PATH

EGRESS TRAVEL PATHS

TYPE	EGRESS PATH LENGTH
EGRESS PATH 1	179'-6"
EGRESS PATH 2	127'-1 5/8"
EGRESS PATH 3	75'-1 3/4"
EGRESS PATH 4	186'-8"
EGRESS PATH 5	109'-0 1/4"

C1 LEVEL 2 LIFE SAFETY PLAN

G101 | SCALE: 1/8" = 1'-0"



D1 LEVEL 1 LIFE SAFETY PLAN

G101 | SCALE: 1/8" = 1'-0"

MILLCREEK DERMATOLOGY

PROJECT TITLE AND ADDRESS

4292 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

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SHEET TITLE

LIFE SAFETY PLAN

SHEET NUMBER
G101



GENERAL NOTES

A. SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.

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DERMATOLOGY**

4292 S HIGHLAND DRIVE - SUITE XX
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DRAWING SET STATUS
**CONSTRUCTION
DOCUMENTS**

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SHEET TITLE

**EXISTING
FLOOR PLAN -
LEVEL 2**

SHEET NUMBER
EX102

KEYNOTES

1

2

3

4

5

6

A

B

C

D

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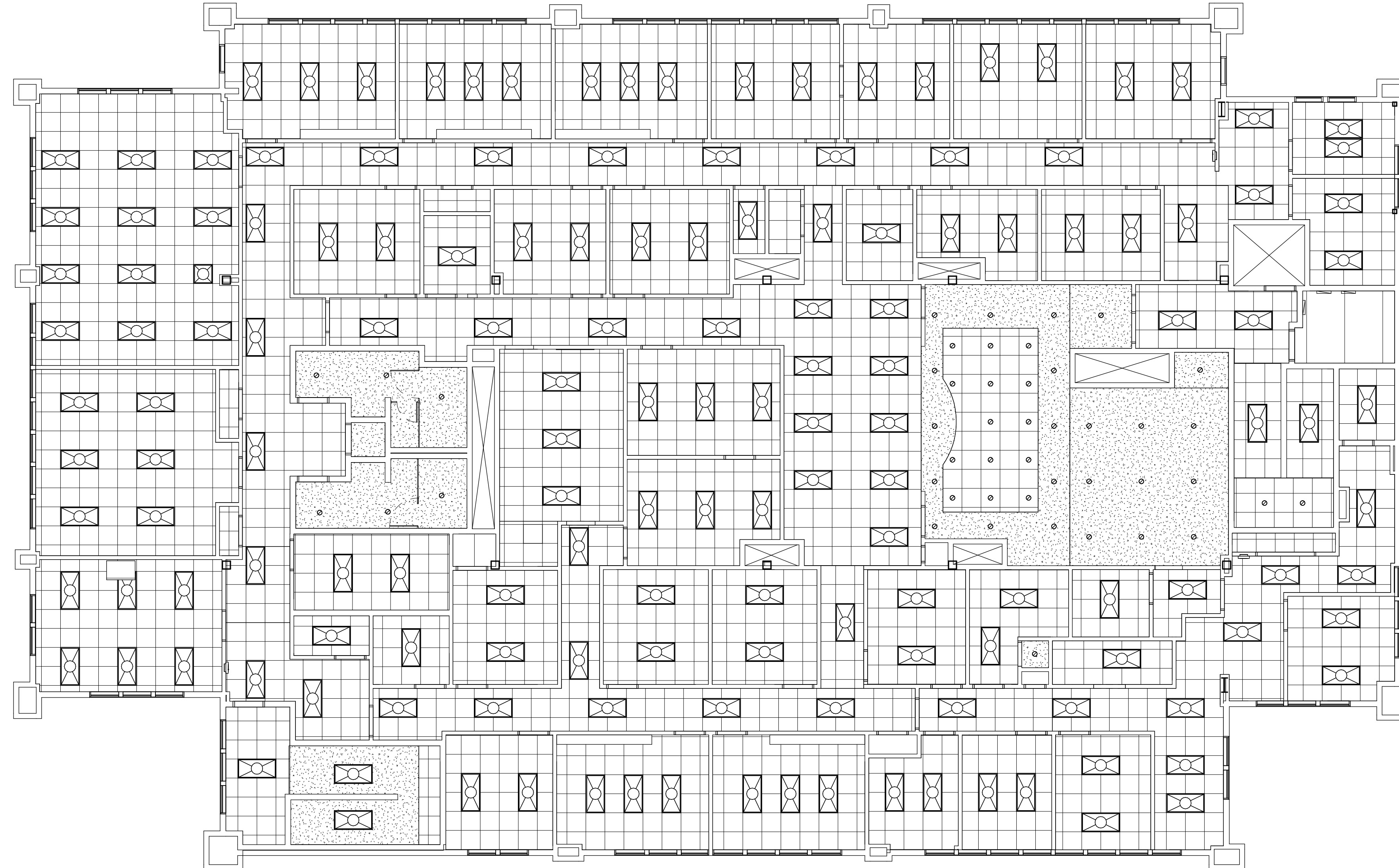


A

B

C

D



PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4232 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	09 DECEMBER 2025
PROJECT #:	25-088
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PM / PA:	CORE

DRAWING SET STATUS
CONSTRUCTION DOCUMENTS

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SHEET TITLE

EXISTING REFLECTED CEILING PLAN - LEVEL 2

SHEET NUMBER

EX152

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KEYNOTES

02.06 REMOVE EXISTING WOOD WALL PLATE AND REPAIR WALL WITH PAINTED GYPSUM BOARD PER FINISH PLAN.



PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
432 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS

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PM / PA:	CORE

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SHEET TITLE

DEMOLITION FLOOR PLAN - LEVEL 2

SHEET NUMBER

AD102

DEMOLITION LEGEND

- DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED OR REMOVED. SALVAGE AS MUCH AS POSSIBLE TO THE OWNER.
- DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED OR REMOVED. SALVAGE AS MUCH AS POSSIBLE TO THE OWNER.

GENERAL NOTES

- GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO DEMOLITION AND CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- GENERAL CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING DEMOLITION AND CONSTRUCTION FOR ALL EXISTING MATERIALS THAT ARE TO REMAIN. THIS MAY INCLUDE PROVIDING TEMPORARY BARRIERS OR PARTITIONS TO PROTECT ADJACENT AREAS FROM DUST AND OR DAMAGE FOR WALLS, DOORS, FLOORS, CEILINGS, ETC.
- AREAS WHERE PLUMBING, MECHANICAL AND ELECTRICAL WORK IS TO BE DONE ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES UNLESS OTHERWISE NOTED. SUCH AS HOLES LEFT BY REMOVAL OF PANEL, PHONES, CONDUITS, THERMOSTATS, PIPING, CONTROLS, ETC. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL FOR EXTENT OF WORK.
- PRIOR TO CONSTRUCTION TRENCHING OF EXISTING CONCRETE OR CORE DRILLING, CONTRACTOR SHALL VERIFY FINAL LOCATIONS WITH NEW FLOOR PLANS.
- CONTRACTOR SHALL VERIFY DIMENSIONS FOR NEW DOOR OPENINGS IN EXISTING WALLS.
- SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.



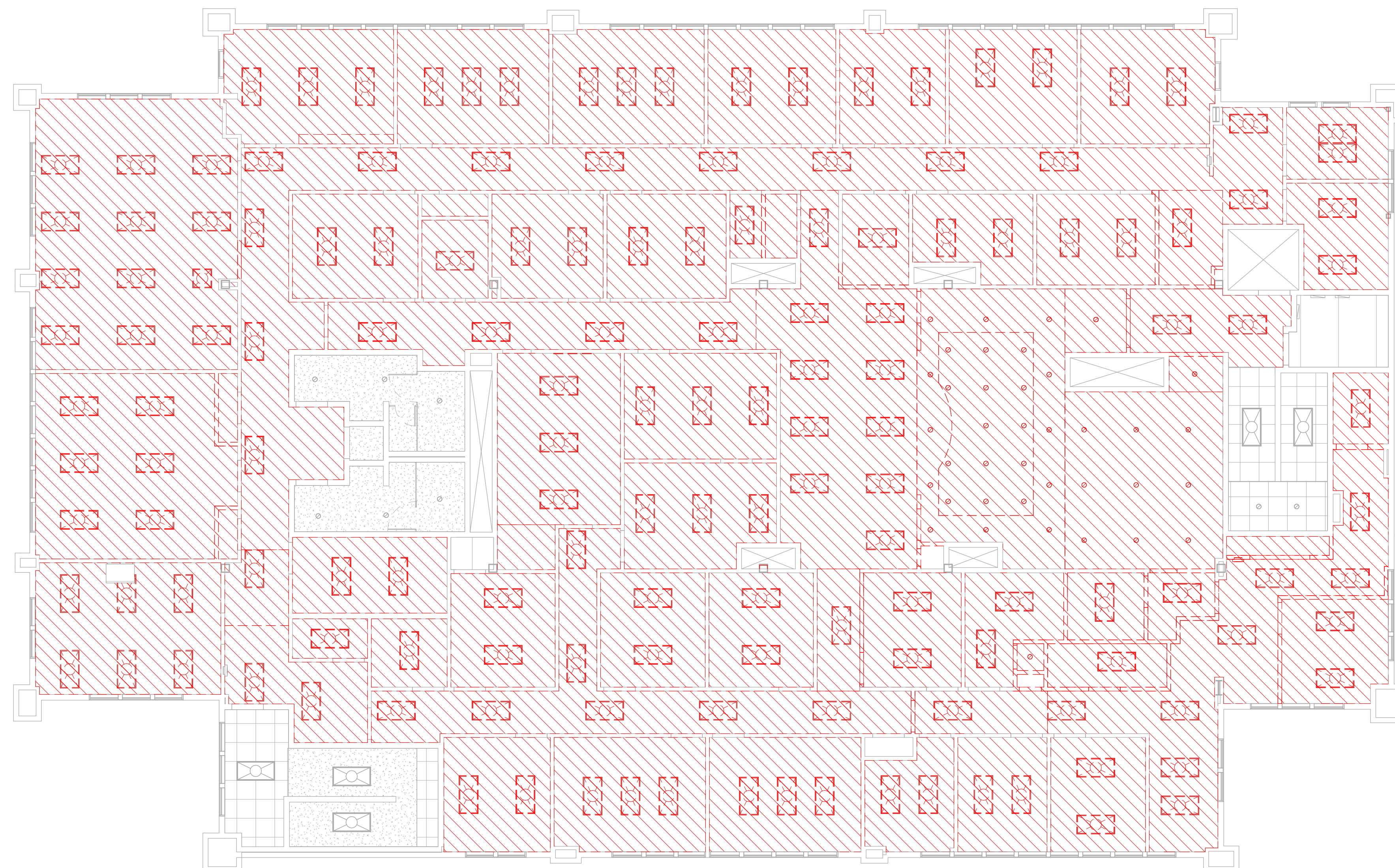
1 | 2 | 3 | 4 | 5 | 6

A



B

C

D



KEYNOTES

- DEMOLITION LEGEND**
-  DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED OR REMOVED. SALVAGE AS MUCH AS POSSIBLE TO THE OWNER.
 -  DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED OR REMOVED. SALVAGE AS MUCH AS POSSIBLE TO THE OWNER.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH NFPA 12.
- C. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
- D. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
- E. SEE DETAIL B2/A701 AND B3/A701 FOR TYPICAL SEISMIC BRACING.
- F. SEE DETAIL B1/A701 FOR TYPICAL SEISMIC LIGHT BRACING.
- G. SEE DETAIL A4/A701 FOR TYPICAL WALL BRACING.
- H. CONTRACTOR TO PROVIDE LIGHTING, WIRING, CABLING, SWITCHES, AND OUTLETS BACK TO EXISTING ELECTRICAL PANELS.
- I. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- J. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
- K. FIRE SPRINKLERS TO BE CENTERED ON CEILING GRIDS.
- L. DO NOT SCALE DRAWINGS.

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

432 S HIGHLAND DRIVE - SUITE XX
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SHEET TITLE

**DEMOLITION
REFLECTED
CEILING PLAN -
LEVEL 2**

SHEET NUMBER

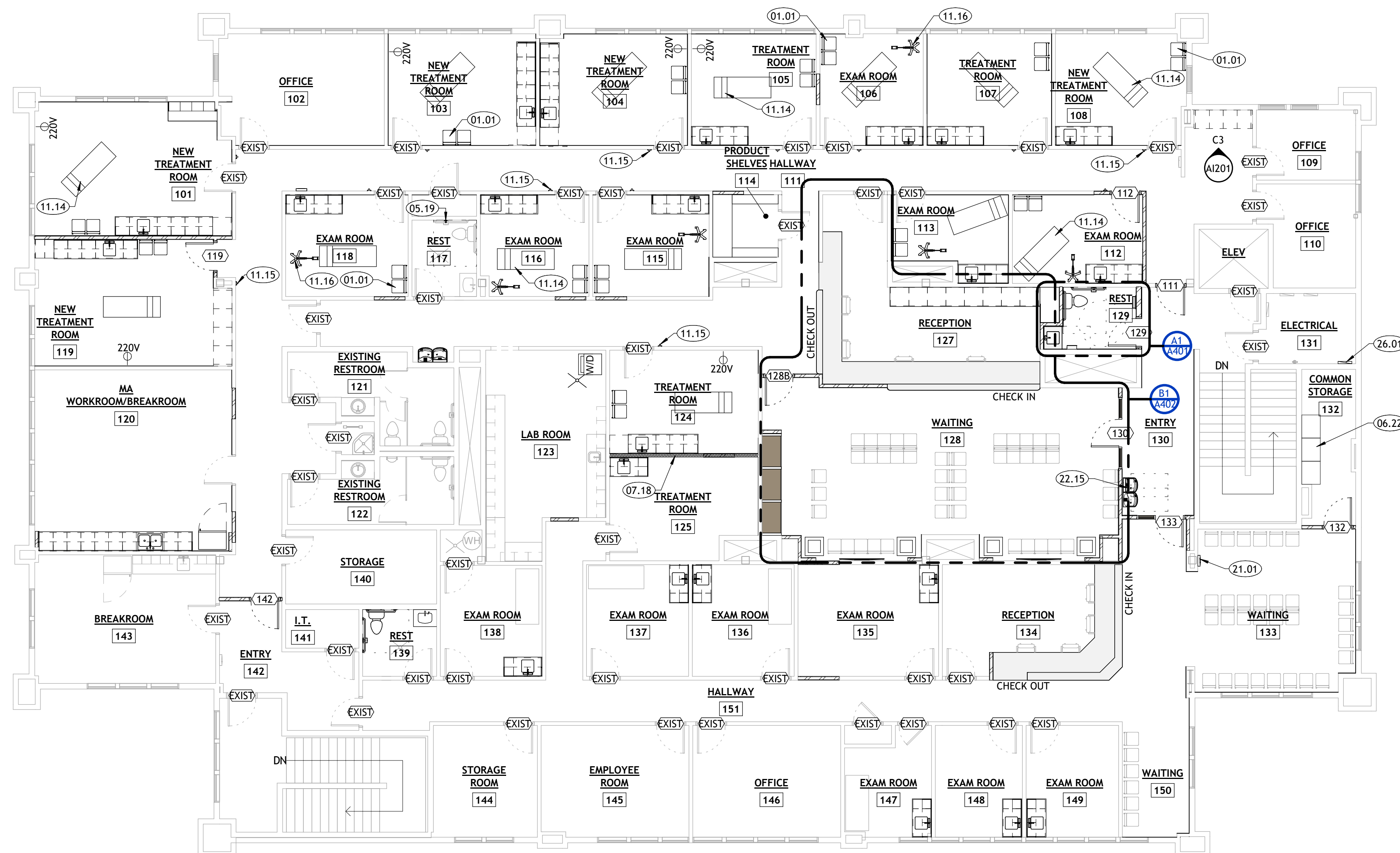
AD152

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KEYNOTES

- 01.01 OWNER FURNISHED FURNITURE.
- 05.19 INSTALL NEW VERTICAL ADA GRAB BAR. SEE DETAIL D4/G002.
- 06.22 MILLWORK FROM ROOM #150 TO BE RELOCATED TO THIS POSITION IN ROOM #132.
- 07.18 CONTRACTOR TO VERIFY THIS WALL HAS EXISTING SOUND ATTENUATION BATT. IF NOT, PLACE SOUND ATTENUATION BATT IN WALL.
- 11.14 EXAM TABLE. FLOOR OUTLET TO BE PROVIDED AT HEAD OF EACH EXAM TABLE. COORDINATE PRECISE LOCATION WITH OWNER.
- 11.15 EXPEDITOR PATIENT CALL LIGHT SYSTEM TO BE INSTALLED OUTSIDE EACH EXAM AND TREATMENT ROOM. SEE ELECTRICAL DRAWINGS.
- 11.16 EXAM LIGHT ON MOBILE CART.
- 21.01 FIRE EXTINGUISHER IN SEMI-RECESSED CABINET. SIZE 2A-10BC.
- 22.15 ADA COMPLIANT HI/LOW WALL-MOUNTED ELKAY DRINKING FOUNTAIN COMBO W/ BOTTLE FILLER.
- 26.01 ELECTRICAL PANEL.



SEPARATION LEGEND

- ▼ ONE-HOUR VERTICAL EXTERIOR ENCLOSURE (FIRE BARRIER).
- ONE-HOUR FIRE PARTITION.
- ★ TWO-HOUR SHAFT ENCLOSURE (FIRE BARRIER).
- + SMOKE PARTITION.
- ONE-HOUR FIRE SEPARATION.
- ◆ TWO-HOUR FIRE WALL.
- ◆ ONE-HOUR BEARING WALL.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
 - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE).
 - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- H. SEE INTERIOR ELEVATIONS AND MILLWORK DETAILS FOR FINISHES OF MILLWORK AND COUNTERTOPS.
- I. SEE INTERIOR FINISH SCHEDULE ON A100 FOR EXTENT OF FINISHES. AND TRANSITION STRIPS. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS ON FLOORS AND WALLS.
- J. SEE A601 AND A603 FOR DOOR AND WINDOW INFORMATION.
- K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- N. SEE A132 FOR WALL TYPES.
- O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- Q. DO NOT SCALE DRAWINGS.

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4232 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: 09 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: CORE
PM / PA: CORE

**DRAWING SET STATUS
CONSTRUCTION
DOCUMENTS**

THIS DRAWING SET IS INTENDED
TO BE PRINTED IN COLOR

SHEET TITLE

**FLOOR PLAN -
LEVEL 2**

SHEET NUMBER

A102

A

B

C

D



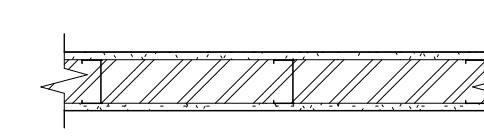
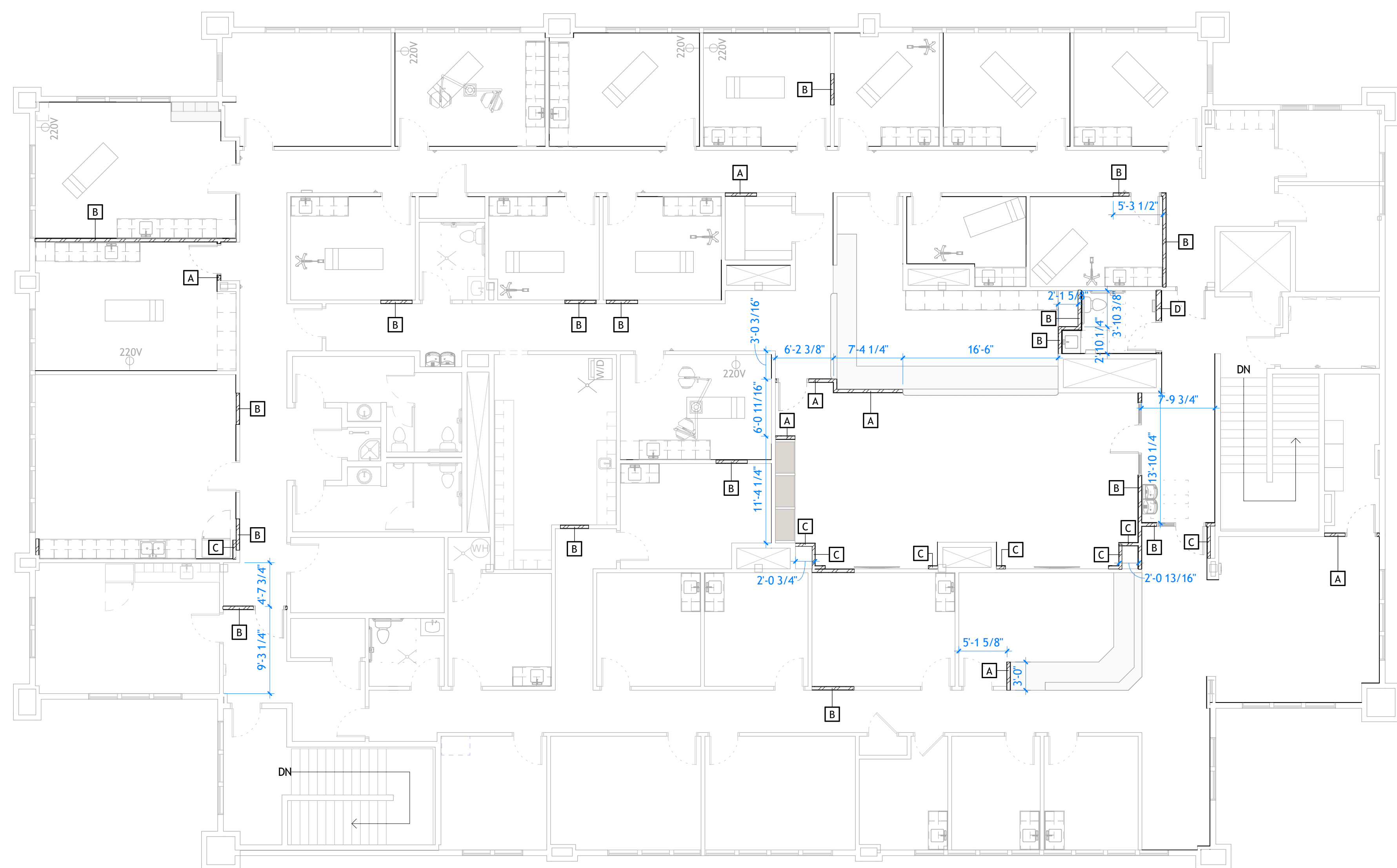
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A

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C

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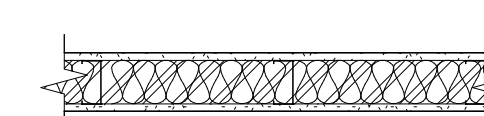


- 5/8" TYPE X GYPSUM BOARD - PAINTED
- 3-5/8" 16 GAUGE METAL STUDS @ 16" O.C.
- 5/8" TYPE X GYPSUM BOARD - PAINTED

HEIGHT: TO DECK ABOVE

A WALL TYPE

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

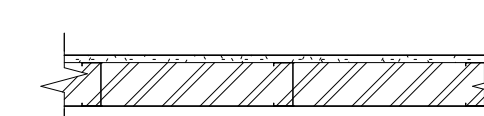


- 5/8" TYPE X GYPSUM BOARD - PAINTED
- 3-5/8" 16 GAUGE METAL STUDS @ 16" O.C.
- SOUND ATTENUATION BATT
- 5/8" TYPE X GYPSUM BOARD - PAINTED

HEIGHT: TO DECK ABOVE

B WALL TYPE

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

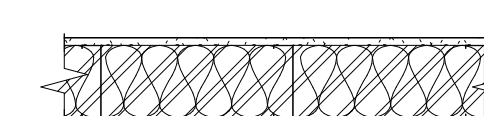


- 5/8" TYPE X GYPSUM BOARD - PAINTED
- 6" 16 GAUGE METAL STUDS @ 16" O.C.
- SOUND ATTENUATION BATT
- 5/8" TYPE X GYPSUM BOARD - PAINTED

HEIGHT: TO DECK ABOVE

C WALL TYPE

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



- 5/8" TYPE X GYPSUM BOARD - PAINTED
- 3-5/8" 16 GAUGE METAL STUDS @ 16" O.C.
- 5/8" TYPE X GYPSUM BOARD - PAINTED

HEIGHT: TO DECK ABOVE

D WALL TYPE

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

DIMENSION NOTES

- ALL PLAN DIMENSIONS, UNLESS OTHERWISE NOTED, ARE TO:
 - COLUMN GRID ON CENTERLINES.
 - THE OUTER FACE OF CONCRETE OR MASONRY.
 - THE FACE OF WALL STUDS.
- DOOR LOCATIONS NOT DIMENSIONED ARE:
 - JAMB FACE 4" FROM FACE OF STUD.
 - CENTERLINE OF DOOR ON CENTERLINE OF ROOM OR CORRIDOR.
- NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
- "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
- FINISHED FLOOR ELEVATIONS ARE TO TOP OF CONCRETE OR GYPCRETE, UNLESS NOTED OTHERWISE.
- CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES, UNLESS NOTED OTHERWISE.

GENERAL NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
- LOCATE DOOR JAMBS 4" FROM WALLS U.N.O.
- SEE SHEET A151 FOR REFLECTED CEILING PLAN.
- SEE INTERIOR FINISH SCHEDULE ON A100 FOR EXTENT OF FINISHES.
- SEE A601 AND A603 FOR DOOR AND WINDOW INFORMATION.
- GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
- DO NOT SCALE DRAWINGS.

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4232 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
Δ DESCRIPTION	DATE

PROJECT INFORMATION	
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PM / PA:	CORE

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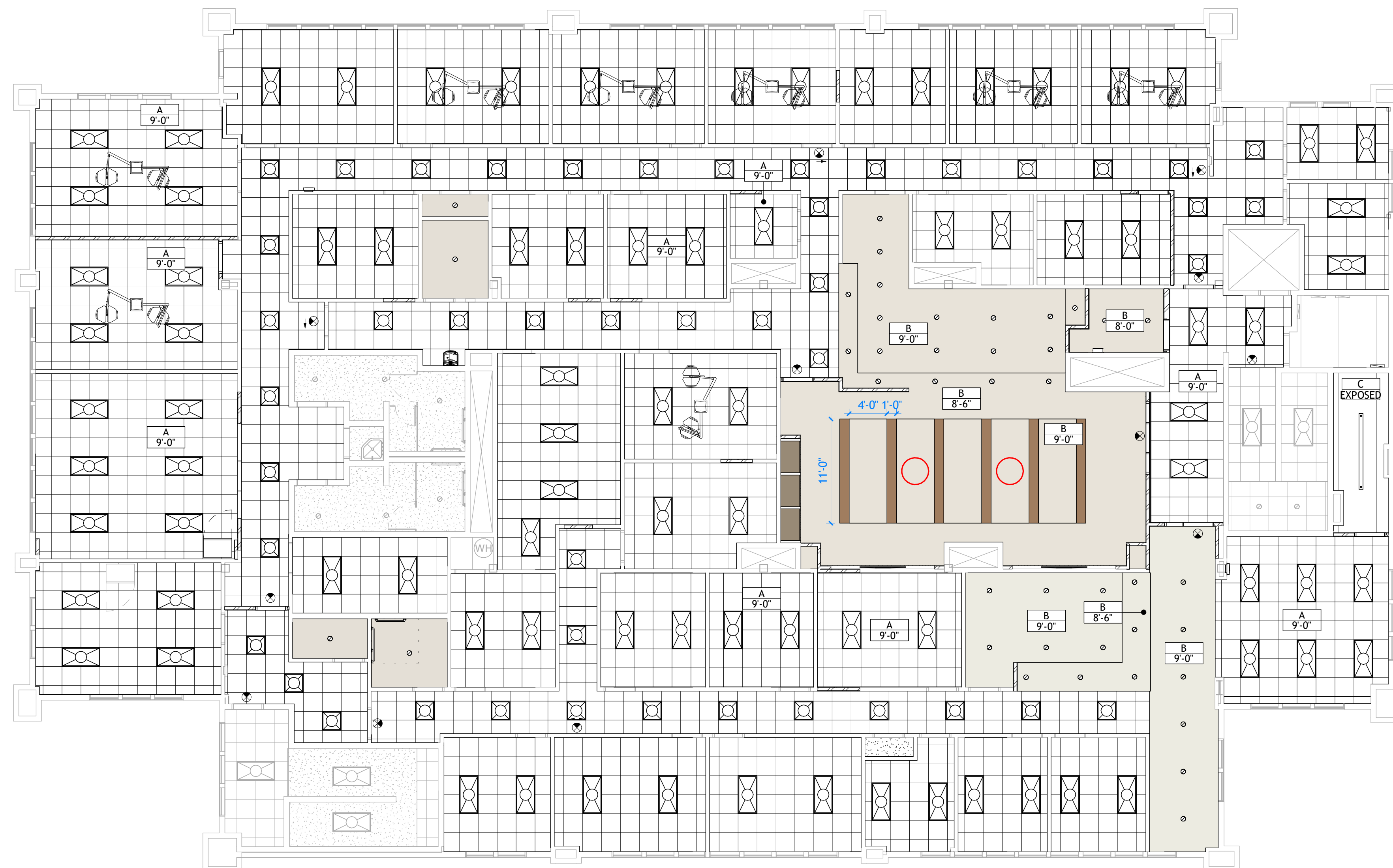
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

**DIMENSIONAL
FRAMING PLAN
- LEVEL 2**

SHEET NUMBER
A132





KEYNOTES

CEILING LEGEND

- A 2x2 SUSPENDED CEILING SYSTEM WITH GRID. SEE SPECIFICATIONS. SEE DETAIL A3/A701
- B PAINTED 5/8" TYPE "X" GYPSUM BOARD WITH SMOOTH FINISH. SEE DETAIL A2/A701
- B OPEN TO EXPOSED STRUCTURE ABOVE

ELECTRICAL/MECHANICAL SYMBOLS

- 2x4 LIGHT FIXTURE
- 2x2 LIGHT FIXTURE
- SURFACE MOUNT DOWNLIGHT
- LINEAR PENDANT LIGHT
- LARGE PENDANT LIGHT
- STRIP LIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- EXIT SIGN
- SUPPLY DIFFUSER
- RETURN AIR DIFFUSER
- EXHAUST FAN
- 24"x24" ACCESS PANEL

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH NFPA 13.
- C. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
- D. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
- E. SEE DETAIL B2/A701 AND B3/A701 FOR TYPICAL SEISMIC BRACING.
- F. SEE DETAIL B1/A701 FOR TYPICAL SEISMIC LIGHT BRACING.
- G. SEE DETAIL A4/A701 FOR TYPICAL WALL BRACING.
- H. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- I. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
- J. WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
- K. SEE EXTERIOR ELEVATIONS AND ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
- L. PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
- M. DO NOT SCALE DRAWINGS.

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4232 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
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PM / PA:	CORE

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**CONSTRUCTION
DOCUMENTS**

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SHEET TITLE

**REFLECTED
CEILING PLAN -
LEVEL 2**

SHEET NUMBER

A152



1

2

3

4

5

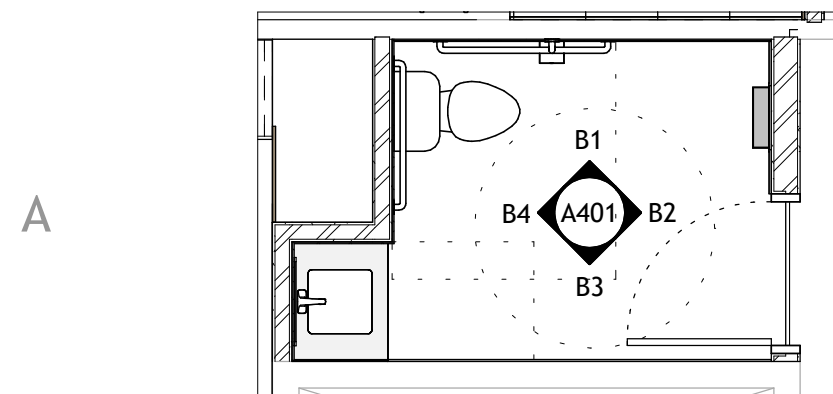
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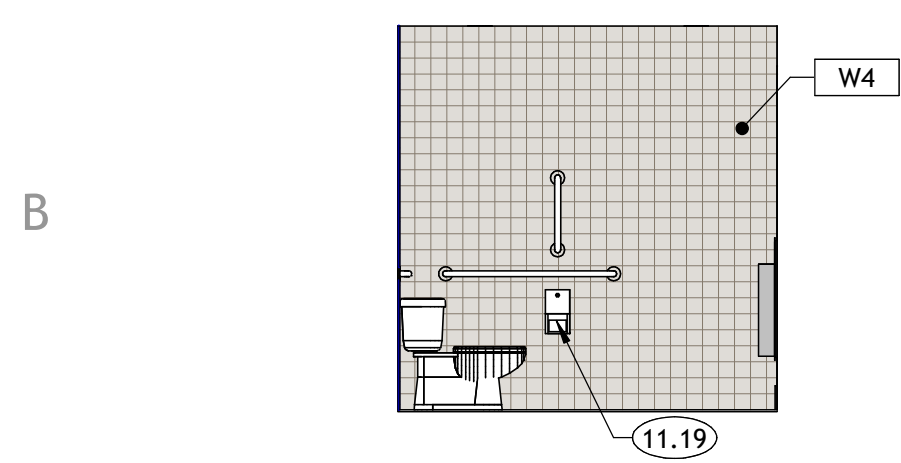
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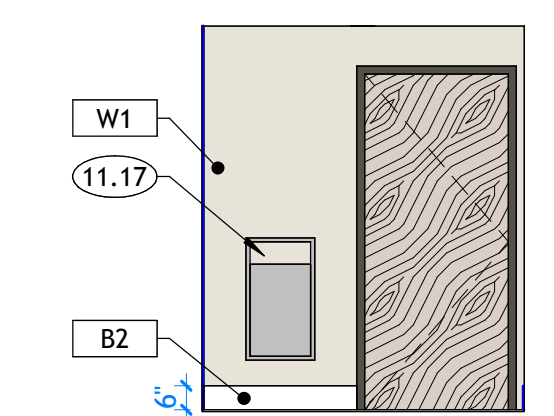
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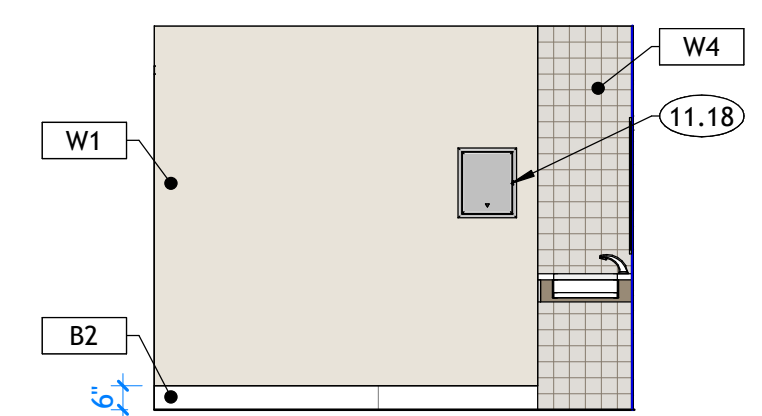
A1 ENLARGED RESTROOM 129
A401 | SCALE: 1/4" = 1'-0"



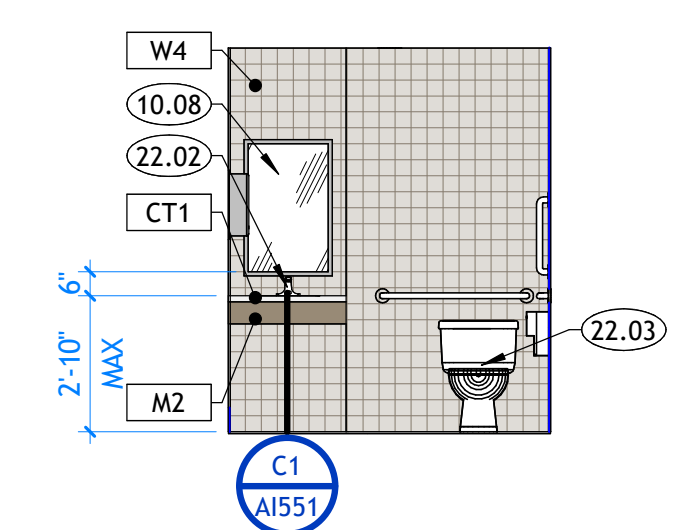
B1 RESTROOM 129
A401 | SCALE: 1/4" = 1'-0"



B2 RESTROOM 129
A401 | SCALE: 1/4" = 1'-0"



B3 RESTROOM 129
A401 | SCALE: 1/4" = 1'-0"



B4 RESTROOM 129
A401 | SCALE: 1/4" = 1'-0"

KEYNOTES

- 10.08 ADA COMPLIANT MIRROR. KOHLER ESSENTIAL FRAMED MIRROR K-26052-BNL IN BRUSHED NICKEL.
- 11.17 BOBRICK RECESSED WASTE RECEPTACLE B-3644
- 11.18 BOBRICK SEMI-RECESSED AUTOMATIC PAPER TOWEL DISPENSER B-29744
- 11.19 BOBRICK SURFACE MOUNTED TOILET TISSUE DISPENSER & UTILITY SHELF, TWO ROLLS IN SATIN FINISH. B-540
- 22.02 ADA COMPLIANT SINK W/ DELTA RUSTICA AUTOMATIC SOAP & FAUCET IN BRILLIANCE STAINLESS. 830DPA50-SSSD
- 22.03 ADA COMPLIANT TOILET. FLUSH VALVE MOUNTED OPPOSITE OF SIDE WALL. SEE DETAILS ON G002.



233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

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PROFESSIONAL STAMP

NOT FOR CONSTRUCTION

PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
 4292 S HIGHLAND DRIVE - SUITE XX
 MILLCREEK - UT - 84124

REVISIONS	
△ DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	09 DECEMBER 2025
PROJECT #:	25-088
DRAWN BY:	CORE
PM / PA:	CORE

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CONSTRUCTION DOCUMENTS

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SHEET TITLE

ENLARGED FLOOR PLAN - RESTROOM

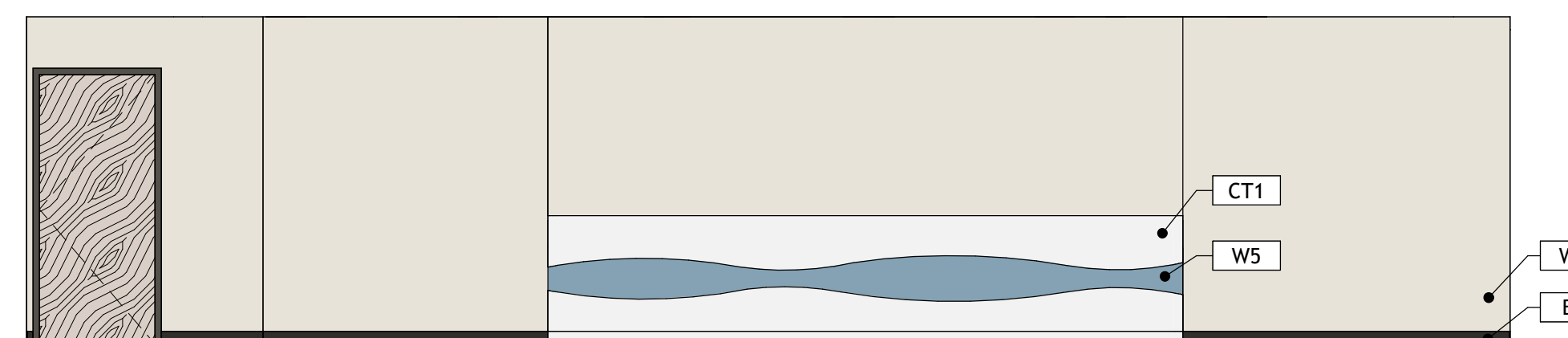
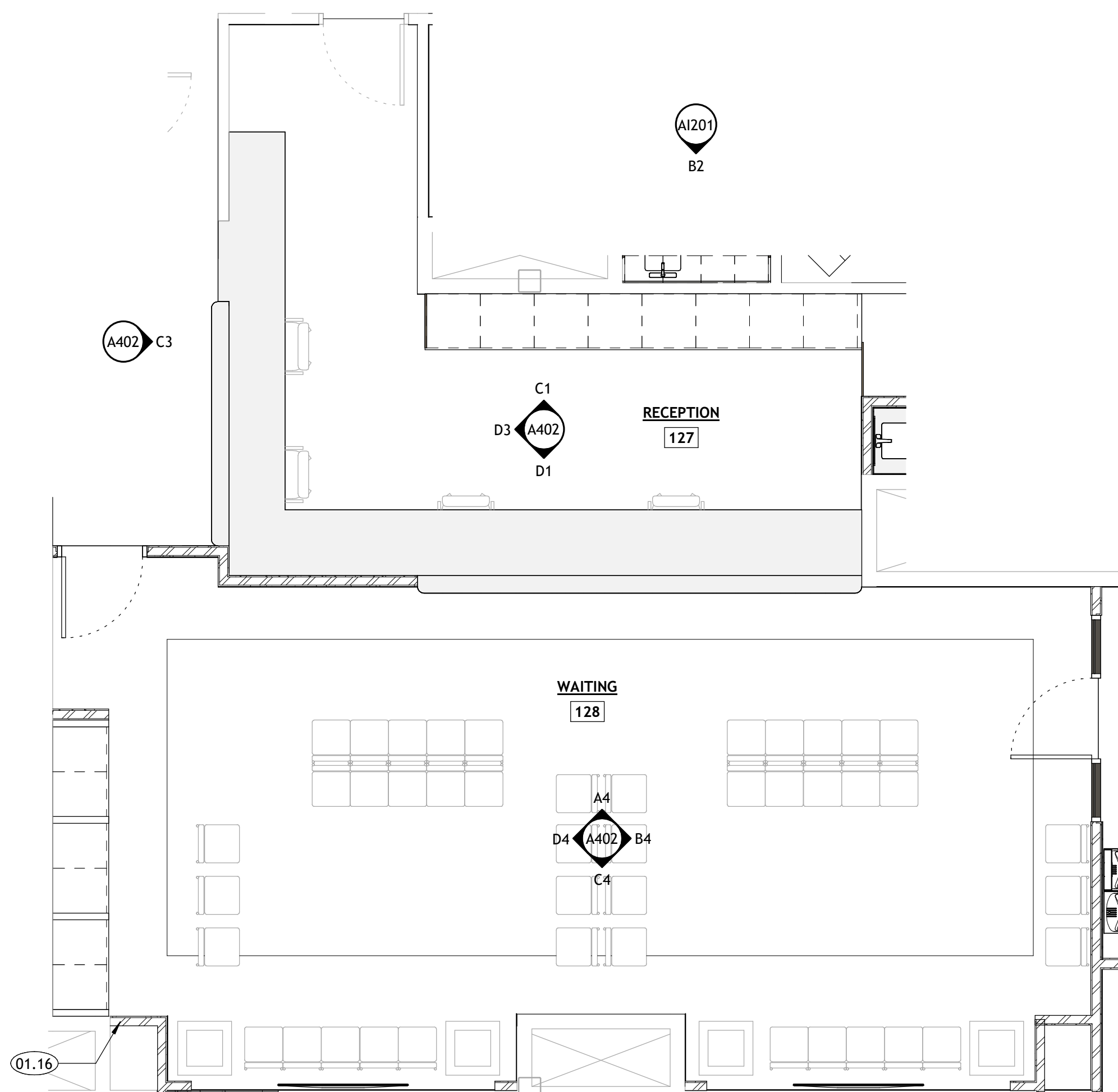
SHEET NUMBER
A401

GENERAL NOTES

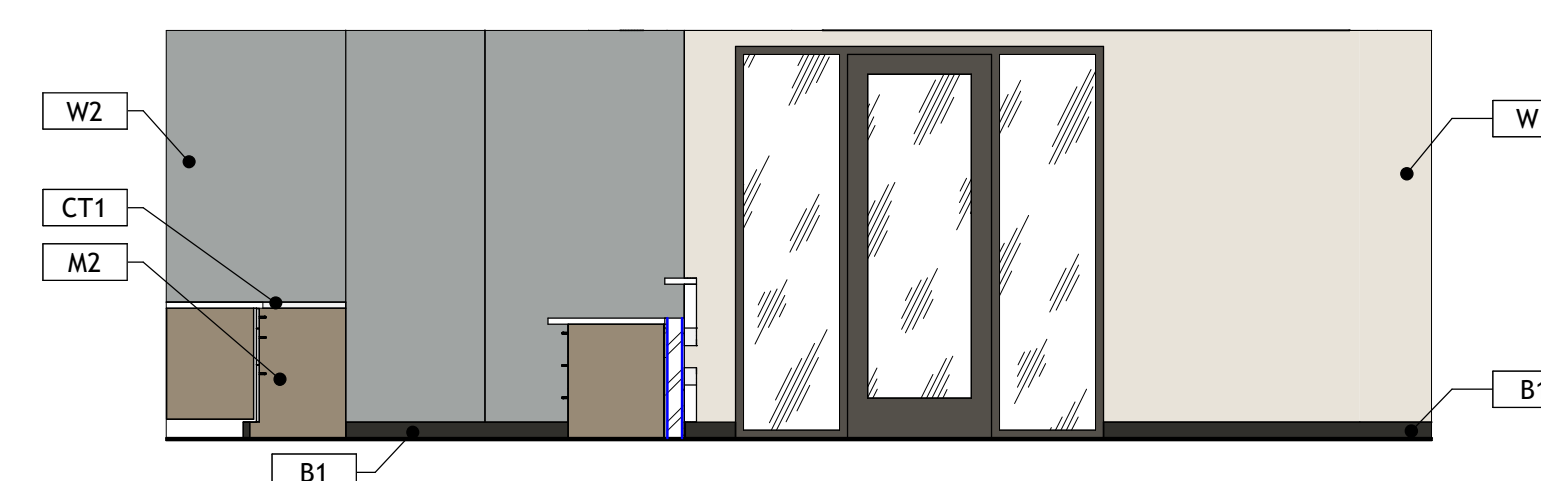
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS: MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE), FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- E. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- F. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- G. SEE SHEETS A151, AND A152 FOR REFLECTED CEILING PLAN INFORMATION.
- H. SEE INTERIOR FINISH SCHEDULE ON A101, AND SHEET A102 FOR EXTENT OF FINISHES.
- I. SEE A601, A602, AND A603 FOR DOOR AND WINDOW INFORMATION.
- J. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT.
- K. SEE THE SPECIFICATION MANUAL FOR ADDITIONAL INFORMATION.
- L. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- M. SEE G003 FOR WALL TYPES.
- N. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- O. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- P. DO NOT SCALE DRAWINGS.

KEYNOTES

- 01.16 ENSURE EXISTING WALL IS ALIGNED TO NEW WALL.
- 26.14 WALL HUNG 65" TV. PROVIDE BLOCKING. OFCI

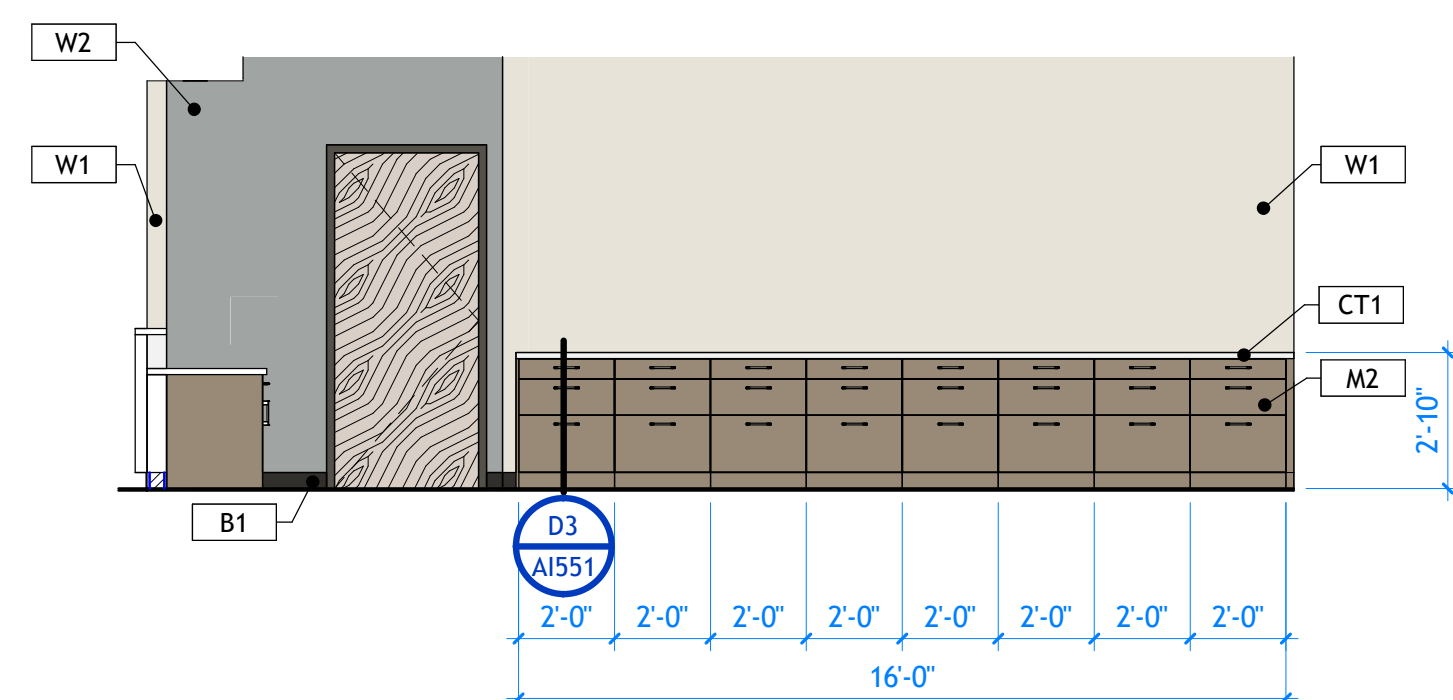


A4 WAITING - 1
A402 | SCALE: 1/4" = 1'-0"

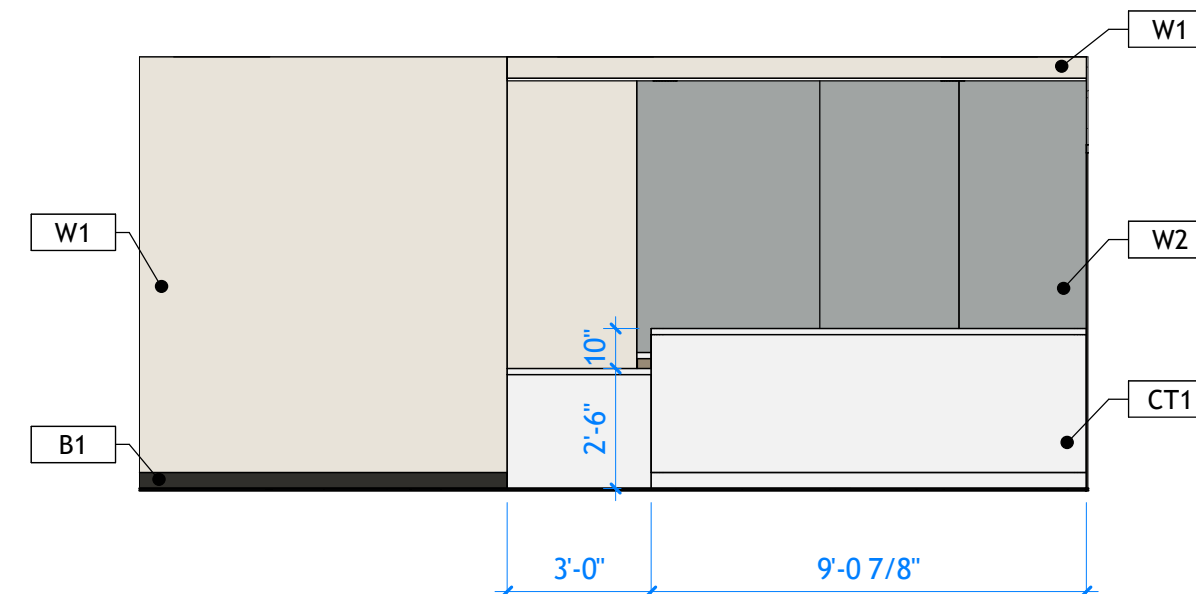


B4 WAITING - 2
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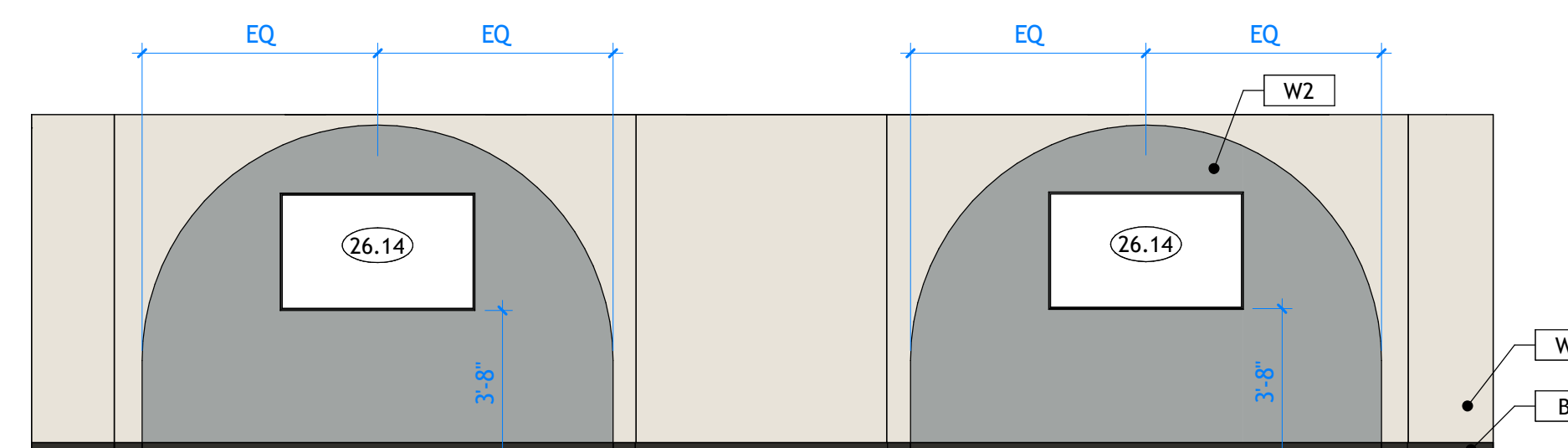
B1 ENLARGED FLOOR PLAN - RECEPTION 1
A402 | SCALE: 1/4" = 1'-0"



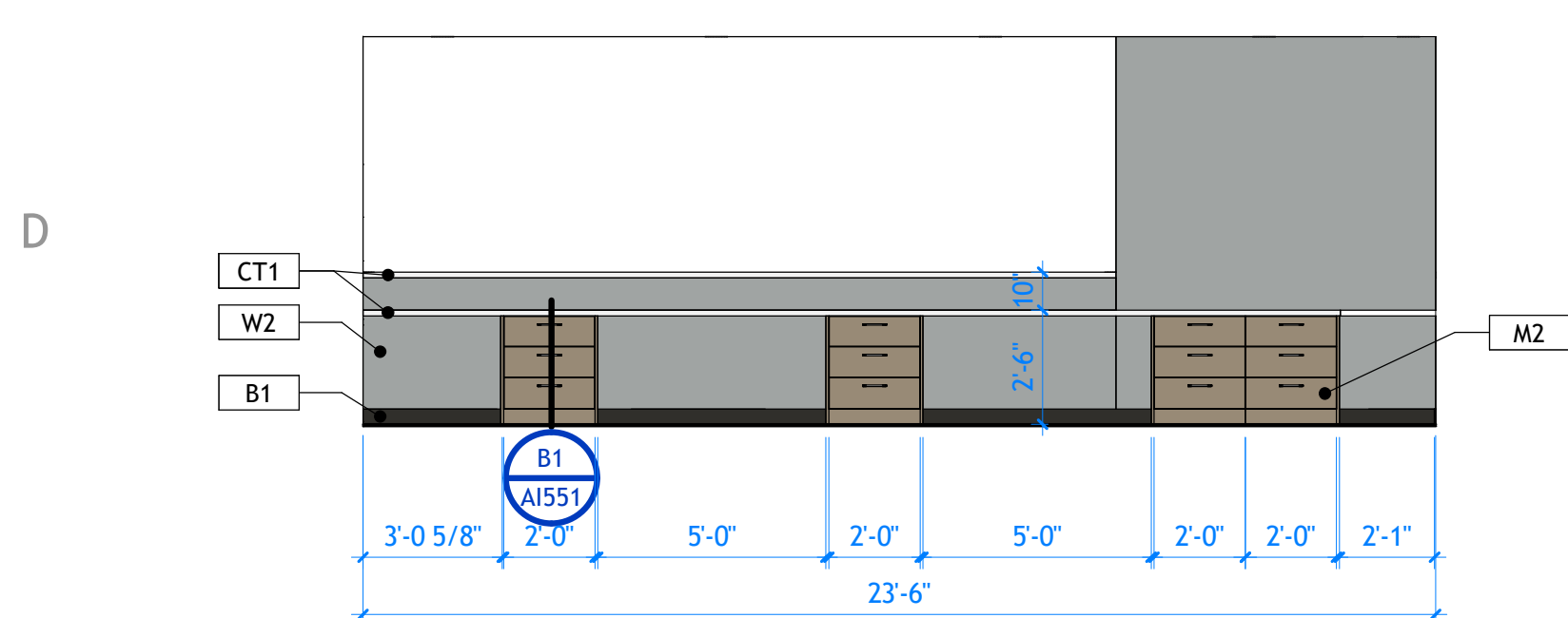
C1 RECEPTION - 1
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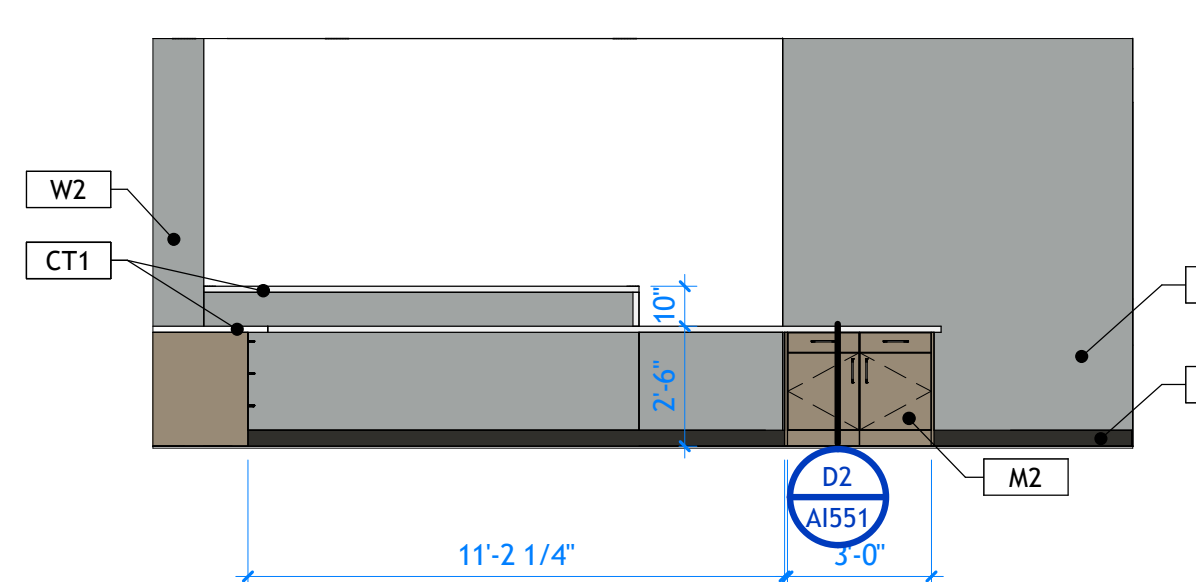
C3 RECEPTION - 2
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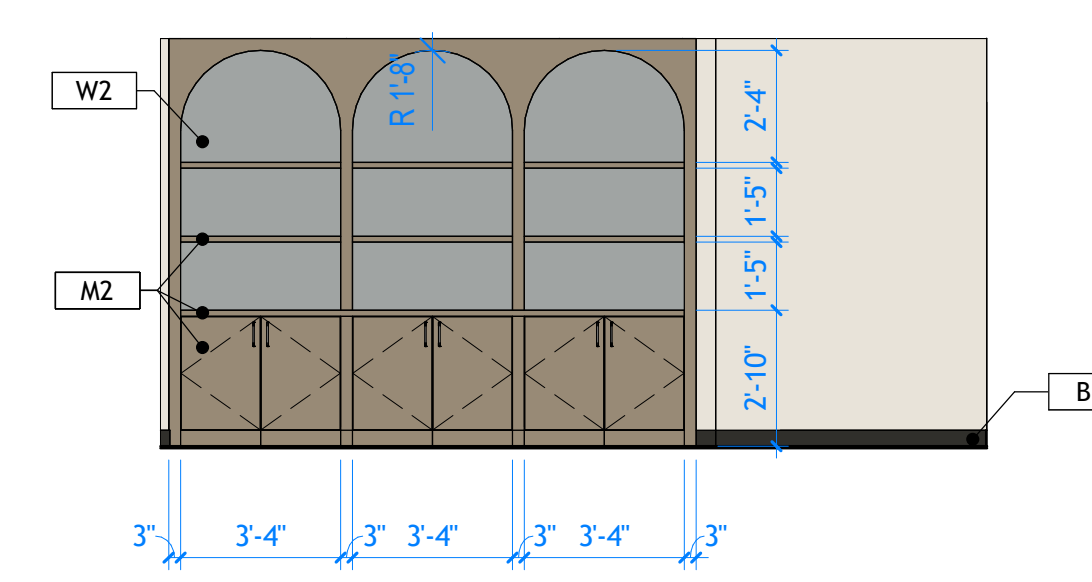
C4 WAITING - 3
A402 | SCALE: 1/4" = 1'-0"



D1 RECEPTION - 3
A402 | SCALE: 1/4" = 1'-0"



D3 RECEPTION - 4
A402 | SCALE: 1/4" = 1'-0"



D4 WAITING - 4
A402 | SCALE: 1/4" = 1'-0"

GENERAL NOTES

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- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS: MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE), FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- E. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
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- O. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- P. DO NOT SCALE DRAWINGS.

PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY

4232 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
Δ DESCRIPTION	DATE

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DRAWN BY:	CORE
PM / PA:	CORE

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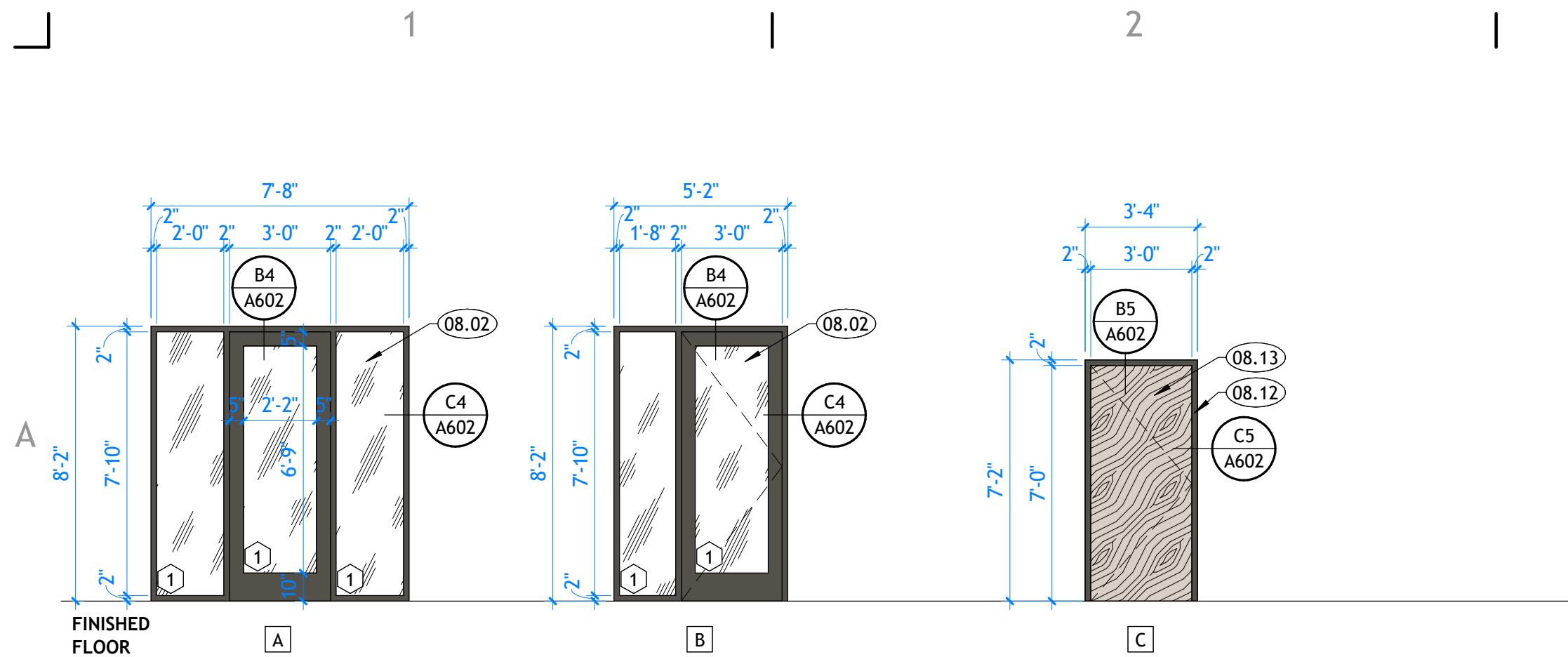
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SHEET TITLE

ENLARGED FLOOR PLAN - RECEPTION

SHEET NUMBER
A402

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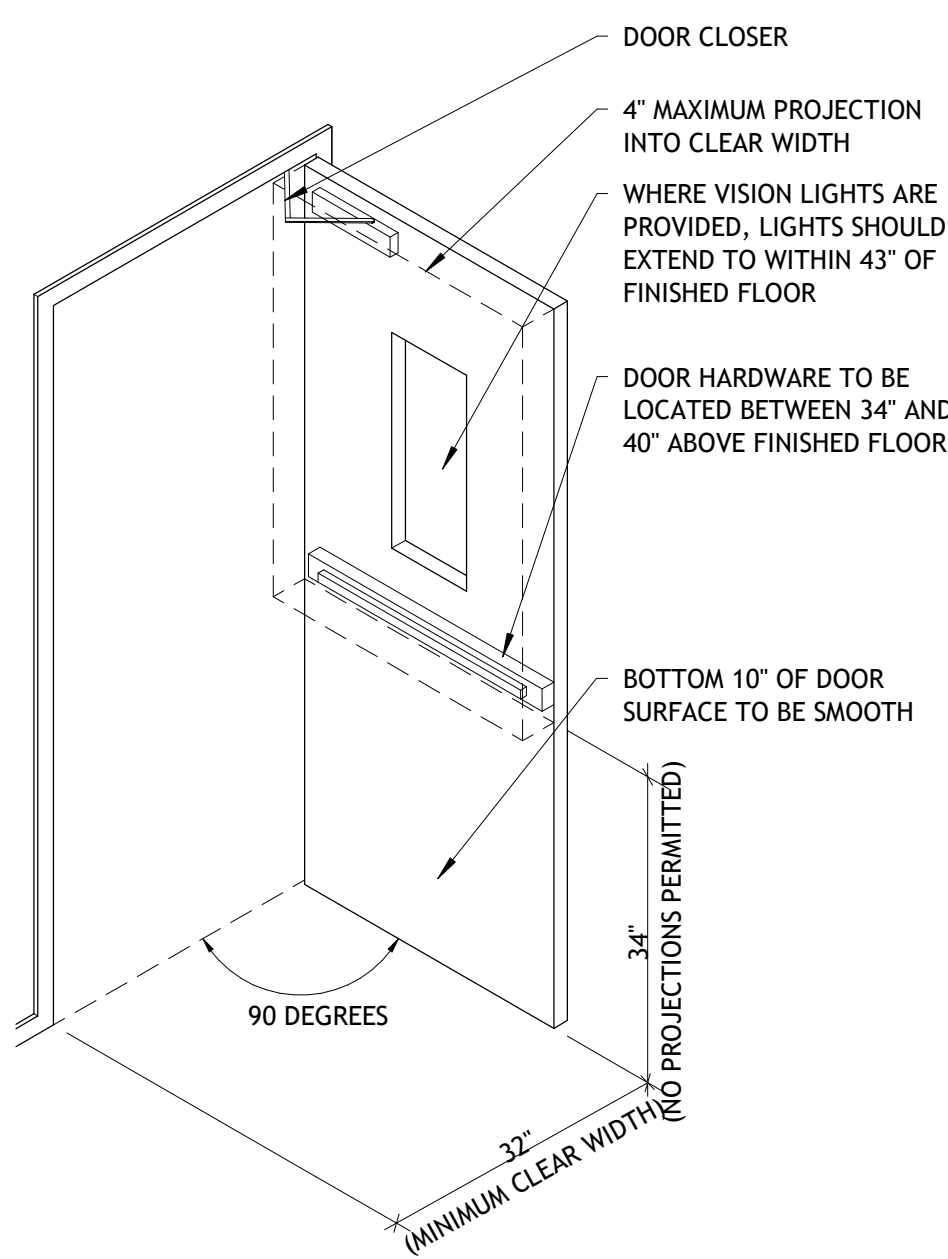
A1 DOOR TYPES

A601 | SCALE: 1/4" = 1'-0"

B

C

D



NOTE: HARDWARE TO BE OPERATED WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THRESHOLDS ARE LIMITED TO 1/2" MAXIMUM HEIGHT. INTERIOR DOORS, OTHER THAN FIRE DOORS, SHOULD BE ABLE TO BE OPERATED WITH 5 POUNDS OF FORCE. EXTERIOR DOOR AND FIRE DOORS ARE REGULATED BY THE AUTHORITY HAVING JURISDICTION. REFER TO ANSI STANDARD A117.1 FOR APPROACH REQUIREMENTS.

D1 ACCESSIBLE DOOR

A601 | SCALE: 3/16" = 1'-0"

DOOR SCHEDULE						
MARK	TYPE	DOOR SIZE		MATERIAL		COMMENTS
		WIDTH	HEIGHT	DOOR	FRAME	
LEVEL 2 FLOOR						
111	C	3'-0"	7'-0"			3
112	C	3'-0"	7'-0"			4
119	C	3'-0"	7'-0"			4
128B	C	3'-0"	7'-0"			4
129	C	3'-0"	7'-0"			5
130	A	3'-0"	8'-0"			3
132	C	3'-0"	7'-0"			7
133	B	6'-0"	8'-0"			3
142	C	3'-0"	7'-0"			2

DOOR HARDWARE SCHEDULE

QUANTITY	CATEGORY	MODEL NUMBER	FINISH / MATERIAL	MANUFACTURER
GROUP #2 (EXIT DOOR)				
1	PANIC EXIT DEVICE	9800, GRADE 1	US26D	CR
1	CONTINUOUS HINGE	780-224HD	CL	HAGER ROTON
1	CLOSER	4040XP-EDA, 100 SWING	AL	LCN
1	OVERHEAD STOP	11022	US26D	RW
1	GASKETING	PK55	BL	PM
1	SWEEP	315CN	BL	PM
1	THRESHOLD	254A	AL	PM

GROUP #3 (ENTRY DOOR)				
3	HINGES	TA2714 4 1/2 X 4 1/2	US26D	MC
1	ENTRY LOCK SET	PIONEER SERIES, SL SHAPE, GRADE 2	US26D	CR
1	WALL STOP	409	US32D	RW
1	GASKETING	PK55	BL	PM

GROUP #4 (INTERIOR NON-LOCKING)				
3	HINGES	TA2714 4 1/2 X 4 1/2	US26D	MC
1	CLOSER	900 SERIES, 180 SWING	AL	CR
1	PUSH PLATE	8200 6" X 16"	AL	CR
1	PULL AND PLATE	8302-0 4" X 16"	US26D	IV
1	WALL STOP	409	US32D	IV
1	KICKPLATE	K1050 10" x 2" LDW	US32D	RW
1	GASKETING	PK55	BL	PM
1	SWEEP	315CN	BL	PM

GROUP #5 (RESTROOM)				
3	HINGES	TA2714 4 1/2 X 4 1/2	US26D	MC
1	CLOSER	900 SERIES, 180 SWING	AL	CR
1	LOCK SET	PIONEER SERIES, SL SHAPE, GRADE 2	US26D	CR
1	WALL STOP	409	US32D	RW
1	GASKETING	PK55	BL	PM
1	SWEEP	315CN	BL	PM

GROUP #6 (INTERIOR LOCKING)				
3	HINGES	TA2714 4 1/2 X 4 1/2	US26D	MC
1	LOCK SET	PIONEER SERIES, SL SHAPE, GRADE 2	US26D	CR
1	WALL STOP	409	US32D	RW
1	GASKETING	PK55	BL	PM

GROUP #7 (STORAGE)				
3	HINGES	TA2714 4 1/2 X 4 1/2	US26D	MC
1	CLOSER	900 SERIES, 180 SWING	AL	CR
1	STORAGE LOCK SET	PIONEER SERIES, SL SHAPE, GRADE 2	US26D	CR
1	OVERHEAD HOLD OPEN	11012	US26D	RW
1	KICKPLATE	K1050 10" x 2" LDW	US32D	RW

KEYNOTES

- 08.02 PRE-FINISHED ALUMINUM ENTRY SYSTEM, CLEAR ANODIZED.
- 08.12 HOLLOW METAL DOOR FRAME.
- 08.13 WOOD DOOR PANEL, STAINED.



233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

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PROFESSIONAL STAMP

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PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY

452 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

GLAZING SCHEDULE

1	1/4" TEMPERED GLASS
---	---------------------

REVISIONS	
DESCRIPTION	DATE

GENERAL NOTES

- THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
- DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
- ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
- ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
- CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
- COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
- ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
- SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

PROJECT INFORMATION
DATE: 09 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: CORE
PM / PA: CORE

DRAWING SET STATUS
CONSTRUCTION DOCUMENTS

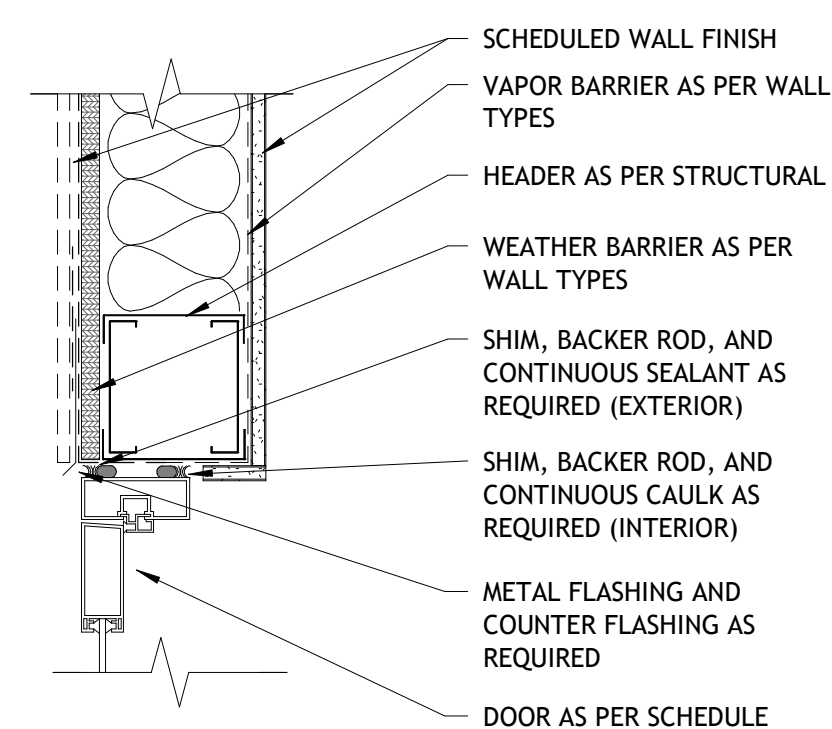
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SHEET TITLE

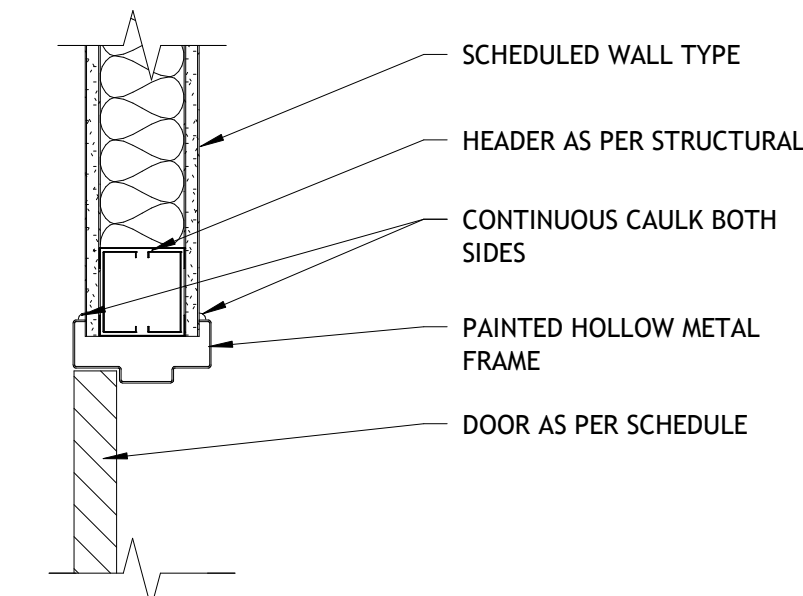
DOOR AND WINDOWS

SHEET NUMBER

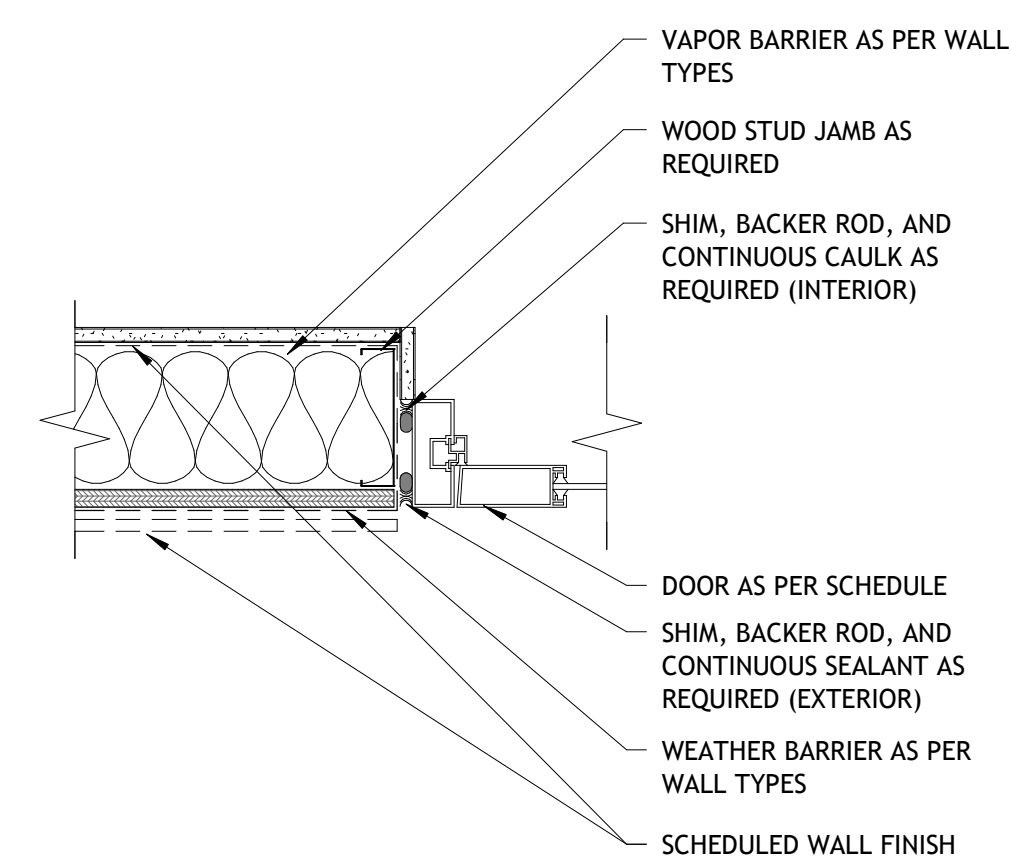
A601



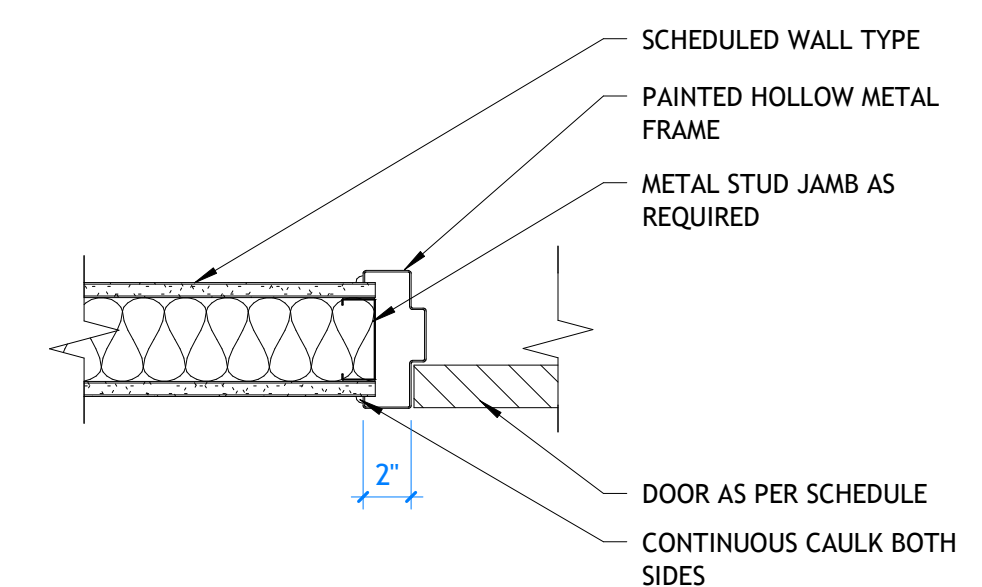
B4 STOREFRONT HEAD DETAIL
A602 | SCALE: 1 1/2" = 1'-0"



B5 H/M DOOR HEAD DETAIL
A602 | SCALE: 1 1/2" = 1'-0"



C4 STOREFRONT JAMB DETAIL
A602 | SCALE: 1 1/2" = 1'-0"



C5 H/M DOOR JAMB DETAIL
A602 | SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

- A. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
- B. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
- C. ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
- D. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
- E. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
- F. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
- G. ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
- H. CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
- I. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
- J. ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
- K. SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4292 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	09 DECEMBER 2025
PROJECT #:	25-088
DRAWN BY:	CORE
PM / PA:	CORE

DRAWING SET STATUS
**CONSTRUCTION
DOCUMENTS**

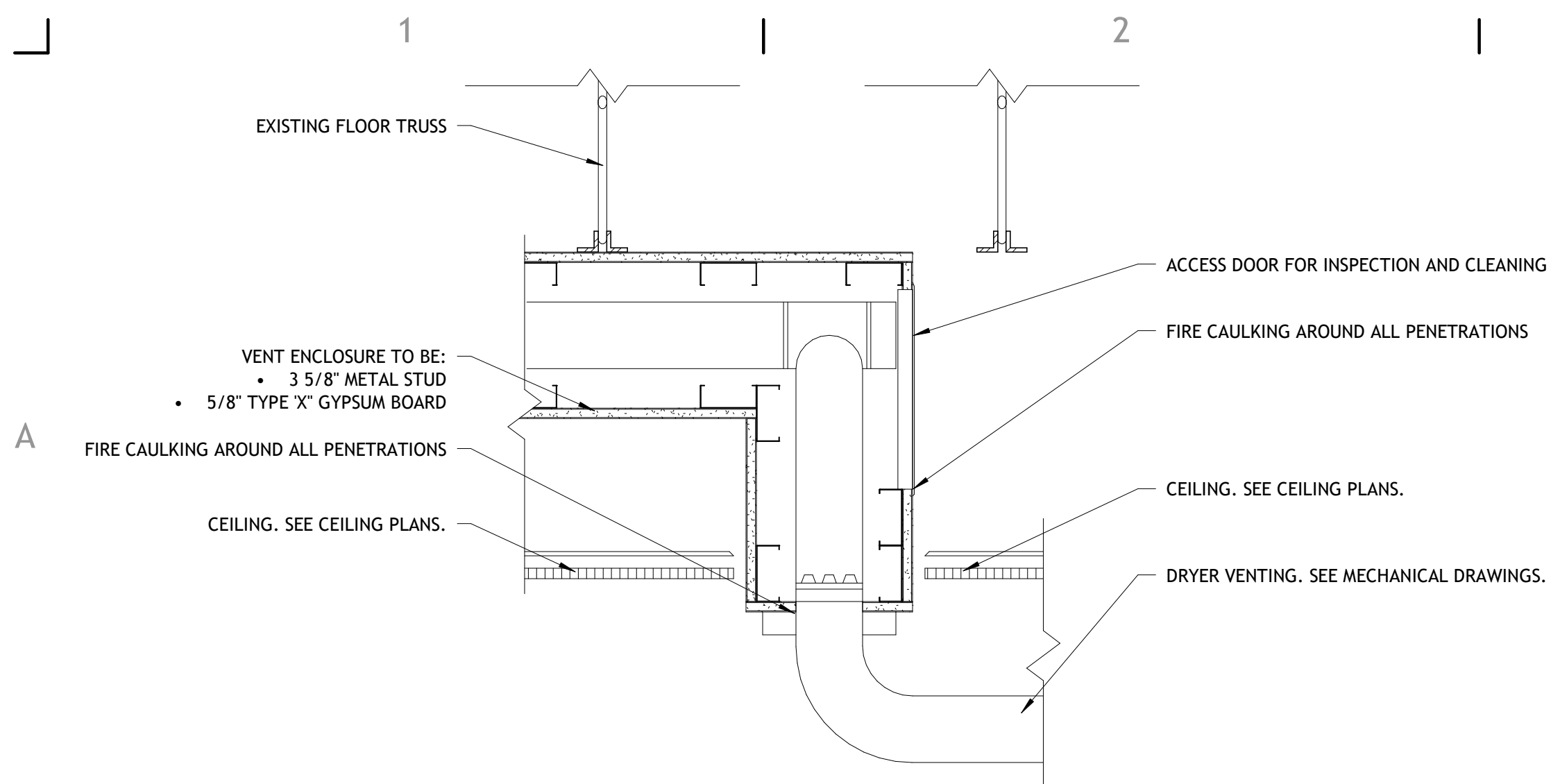
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TO BE PRINTED IN COLOR

SHEET TITLE

**DOOR &
WINDOW
DETAILS -
METAL**

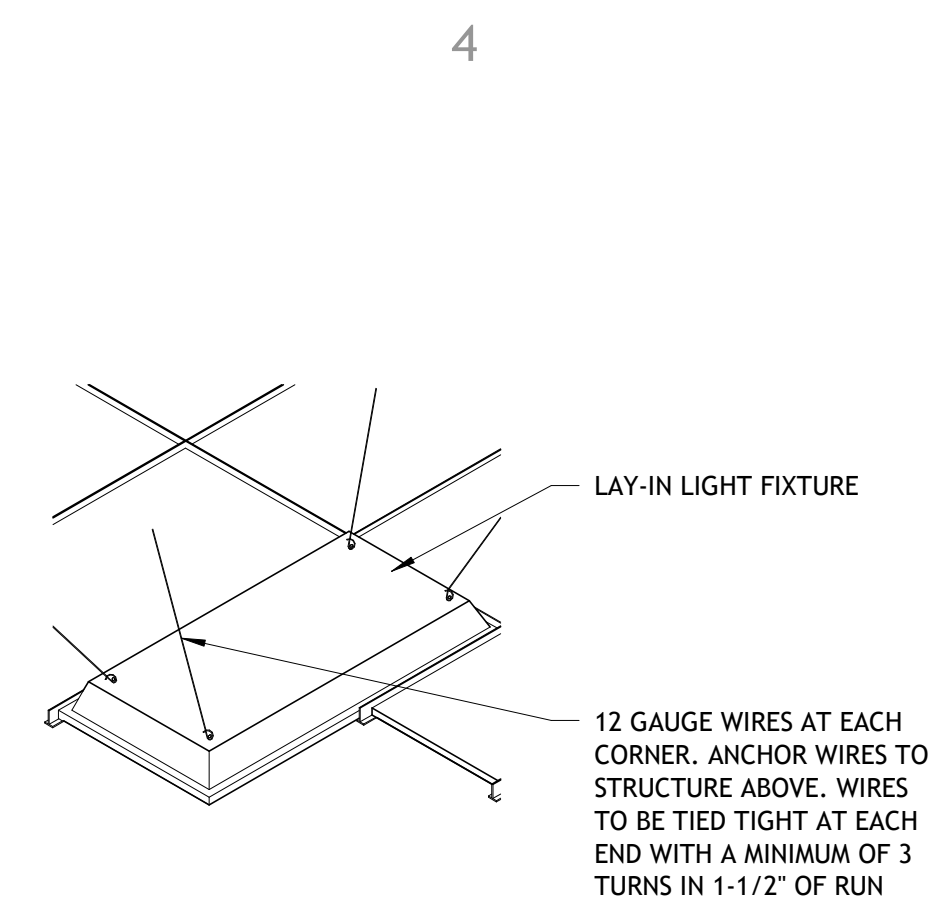
SHEET NUMBER

A602



A1 DRYER VENT ENCLOSURE

A701 SCALE: 1 1/2" = 1'-0"



A4 SEISMIC LIGHT DETAIL

A701 SCALE: 1" = 1'-0"

SUSPENDED CEILING SYSTEM NOTES:

- SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
- ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
- HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
- SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
- ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
- SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
- FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12'-0" O.C. EACH WAY.
- PROVIDE CEILING HORIZONTAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
- PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
- CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
- CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
- PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
- SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.

B5 SUSPENDED CEILING NOTES

A701 SCALE: 1 1/2" = 1'-0"

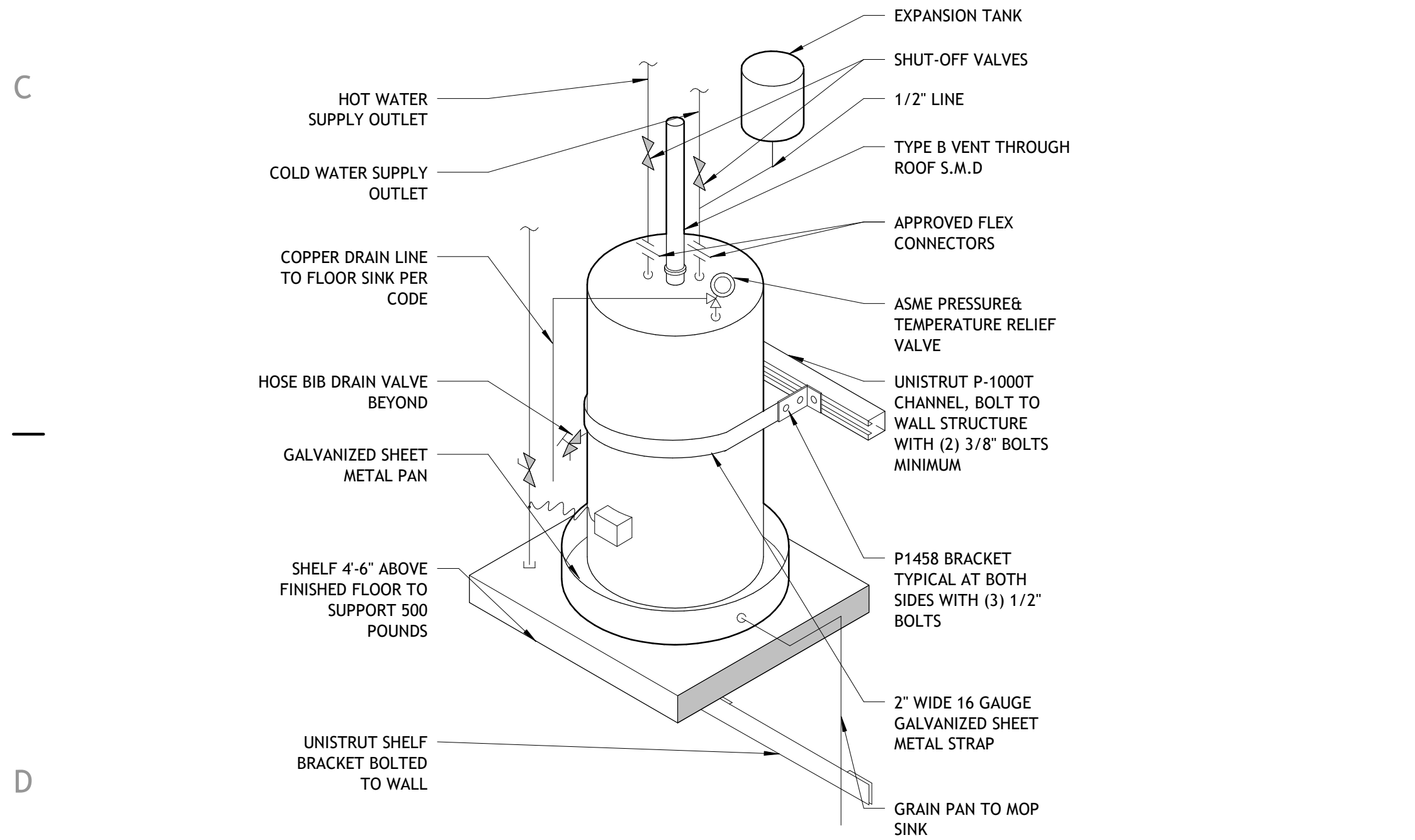
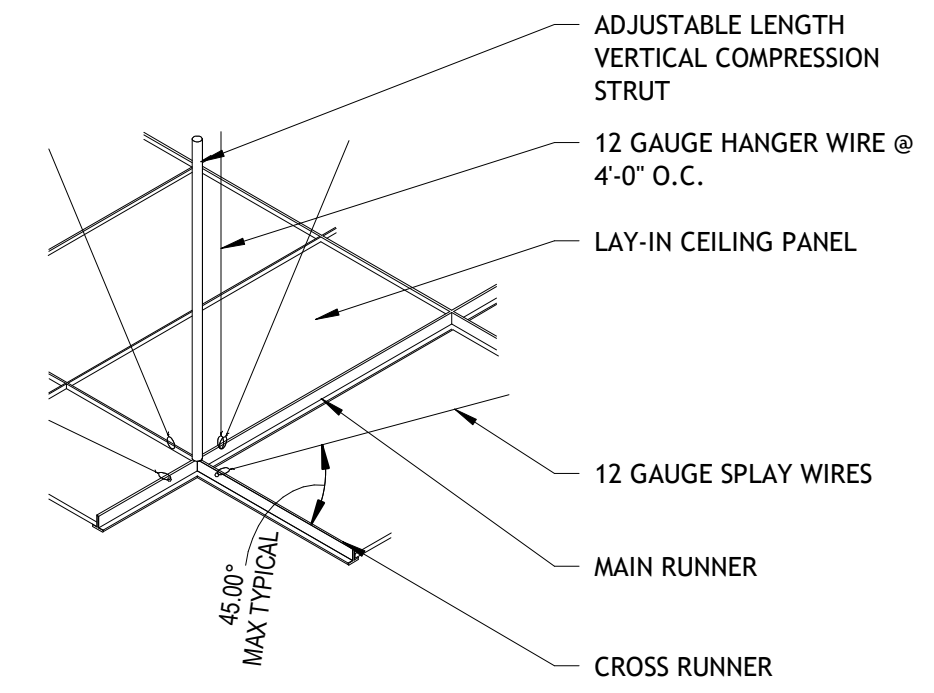


B3 SEISMIC WATER HEATER DETAIL

A701 SCALE: 1/2" = 1'-0"

B4 SEISMIC CEILING DETAIL

A701 SCALE: 1" = 1'-0"

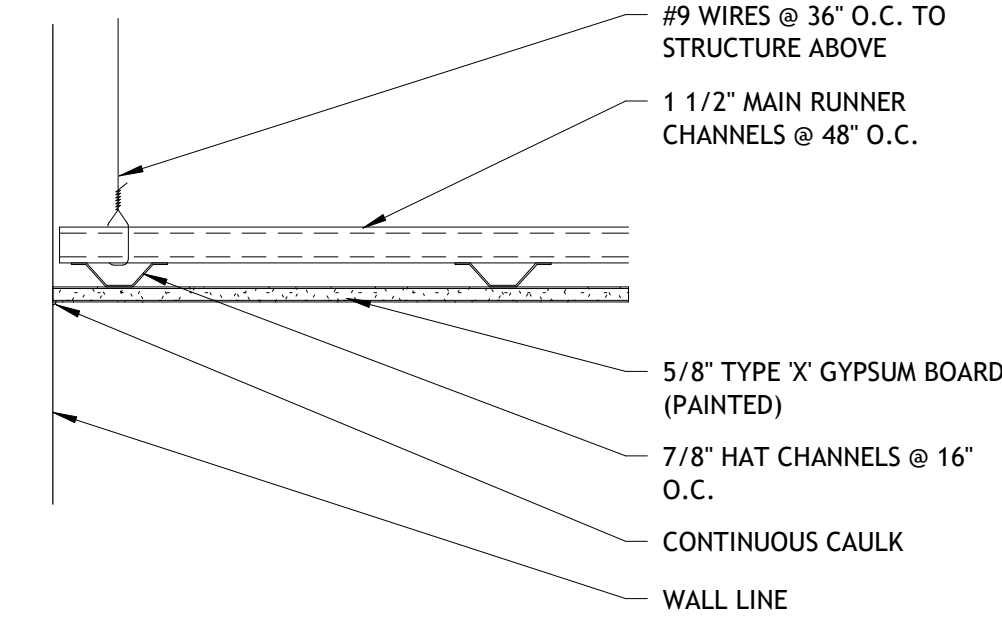


D1 SEISMIC WATER HEATER DETAIL

A701 SCALE: 3/4" = 1'-0"

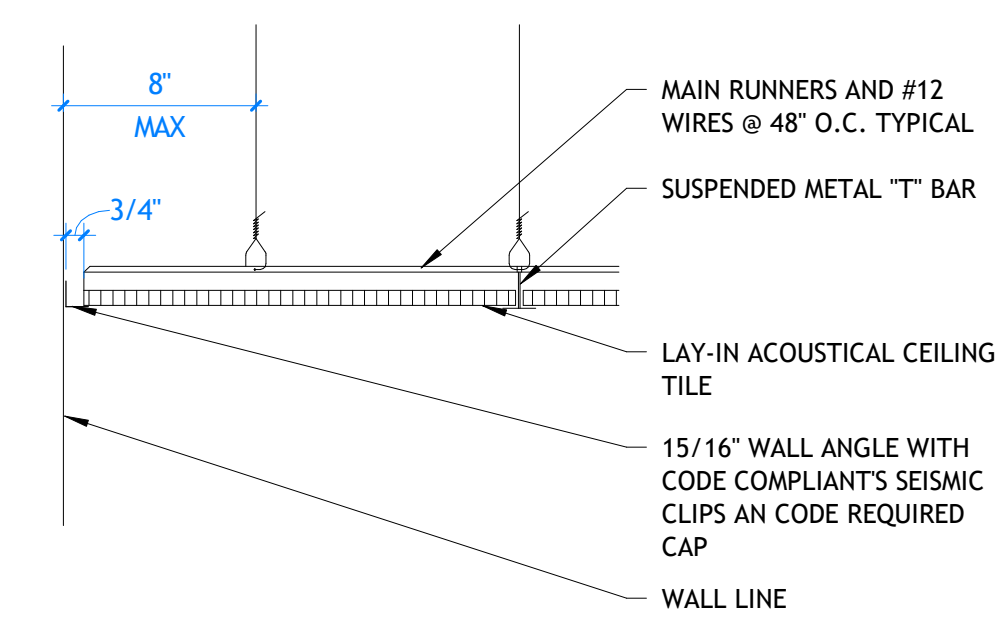
C4 SUSPENDED GYP BOARD CEILING

A701 SCALE: 1 1/2" = 1'-0"



D4 ACOUSTICAL CEILING DETAIL

A701 SCALE: 1 1/2" = 1'-0"



PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY

4292 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

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DATE:	09 DECEMBER 2025
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DRAWN BY:	CORE
PM / PA:	CORE

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CONSTRUCTION DOCUMENTS

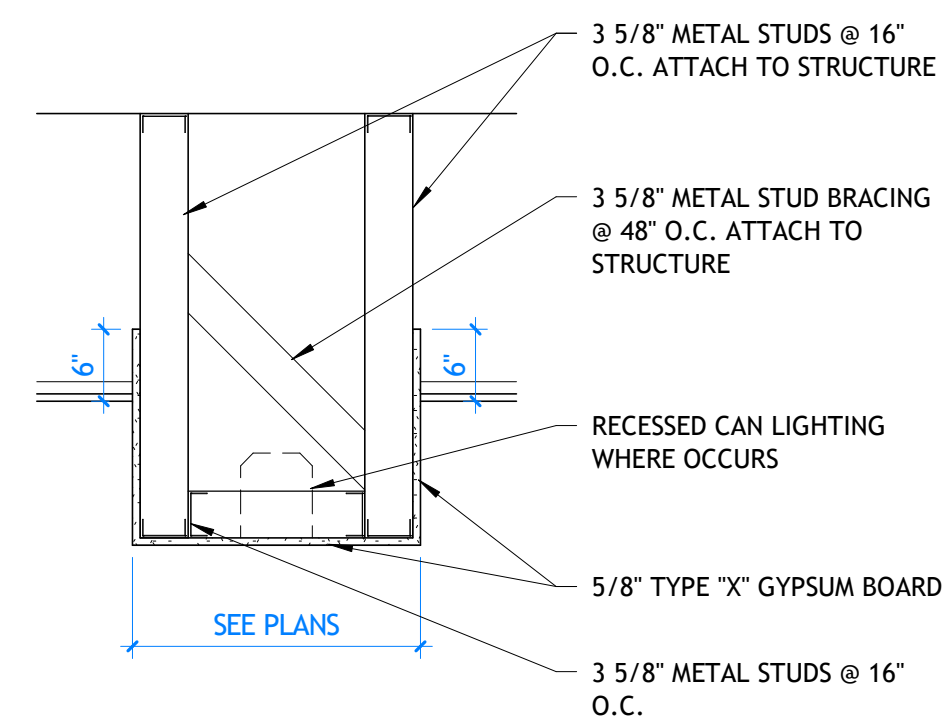
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SHEET TITLE

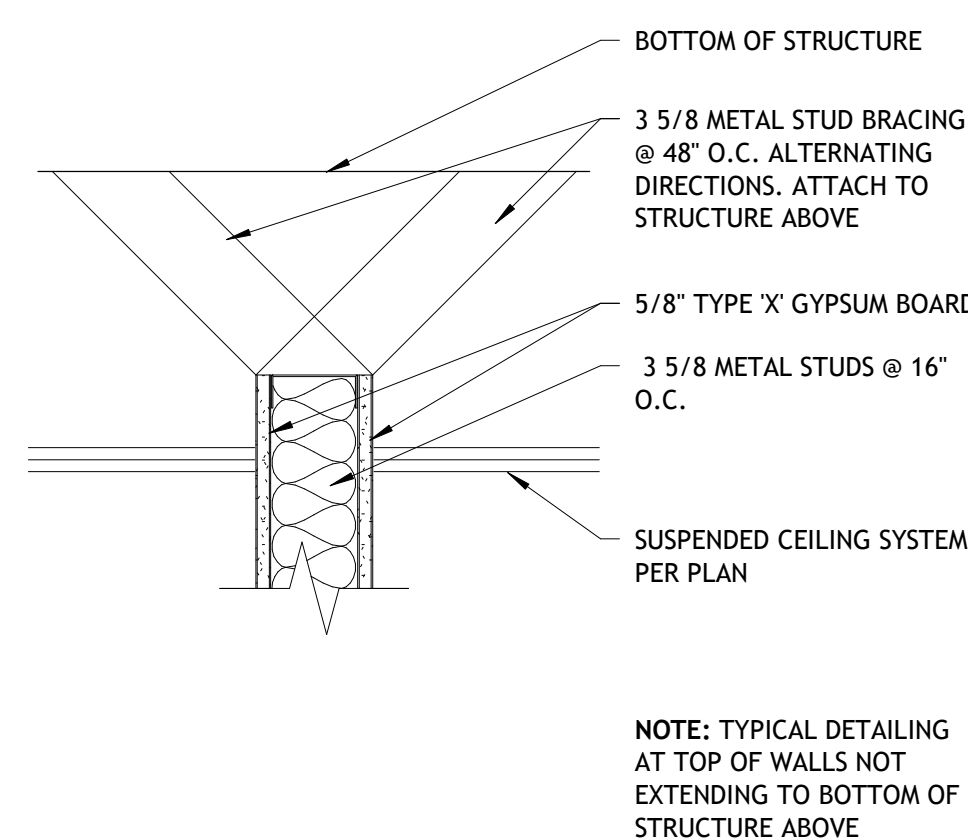
MISCELLANEOUS DETAILS

SHEET NUMBER
A701

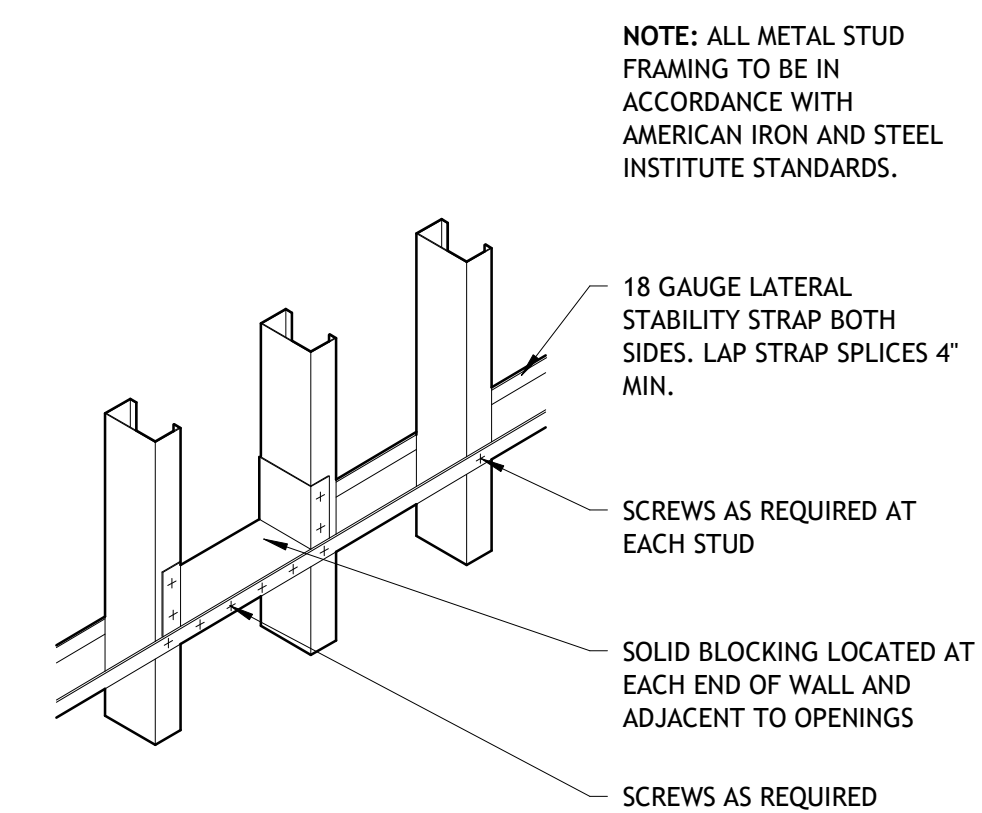
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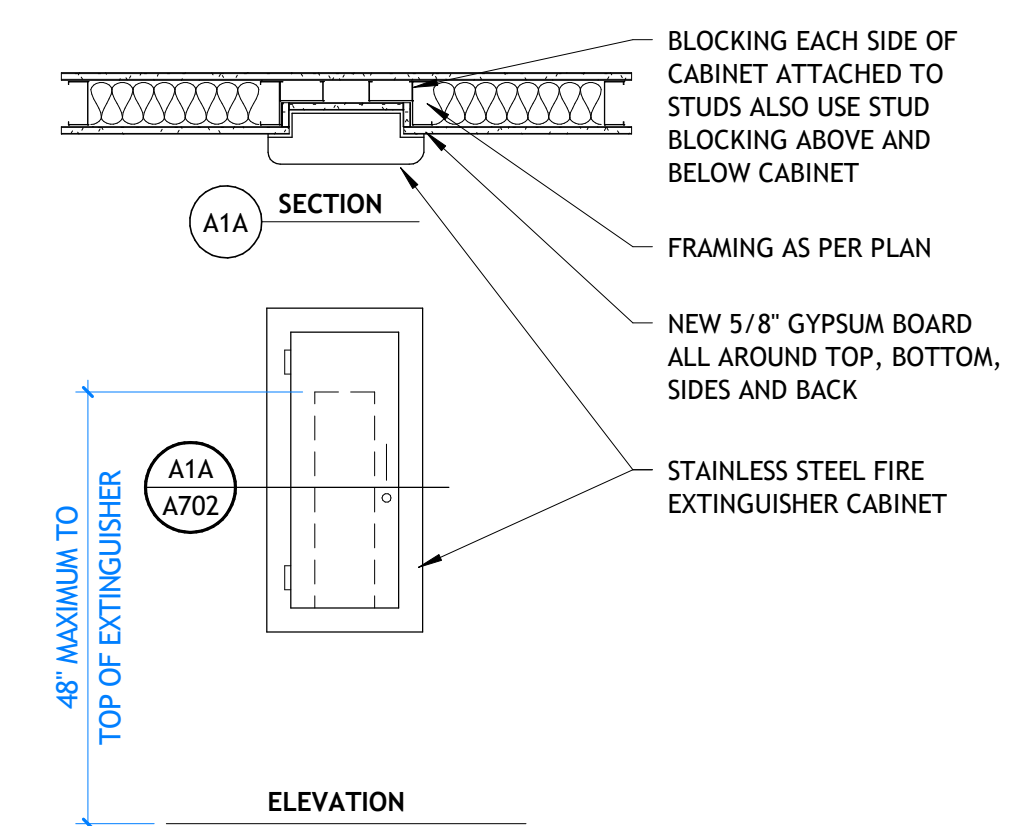
A3 GYPSUM BOARD CEILING DETAIL
A702 | SCALE: 3/4" = 1'-0"



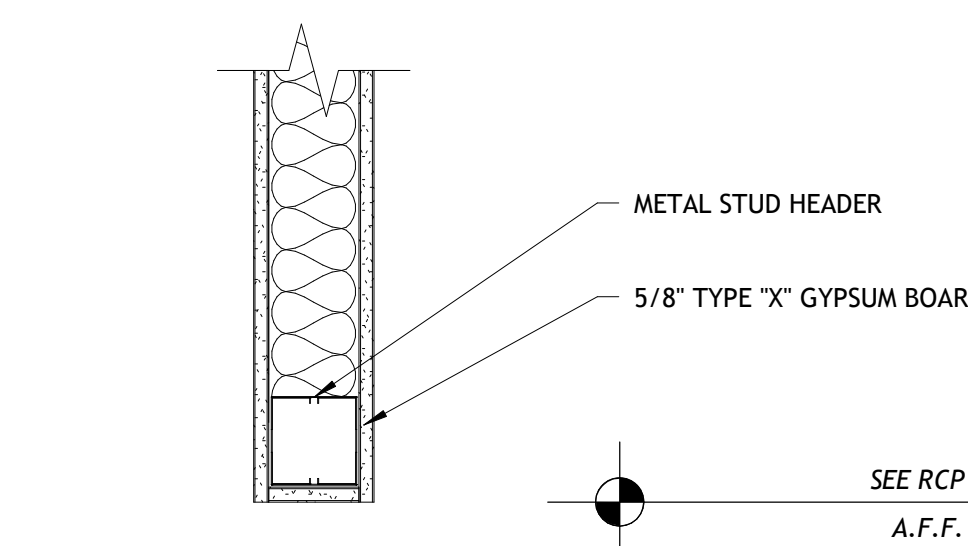
A4 WALL BRACING DETAIL
A702 | SCALE: 1 1/2" = 1'-0"



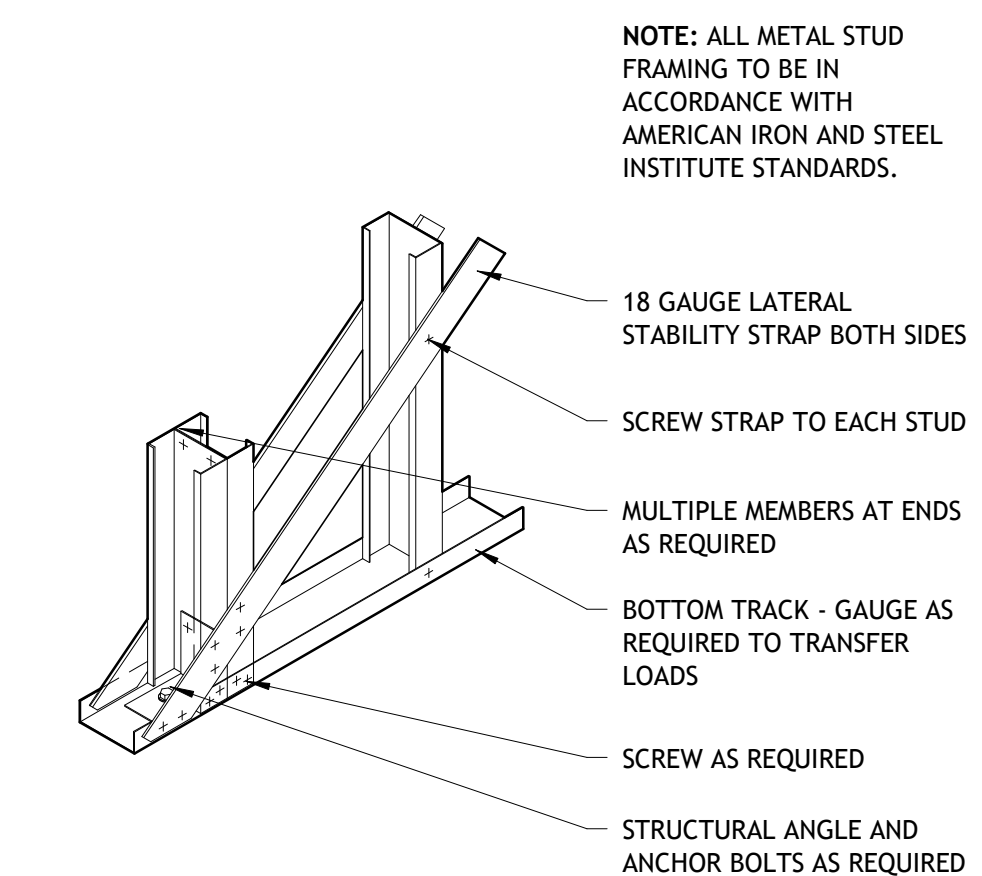
A5 METAL STUD BLOCKING DETAIL
A702 | SCALE: NOT TO SCALE



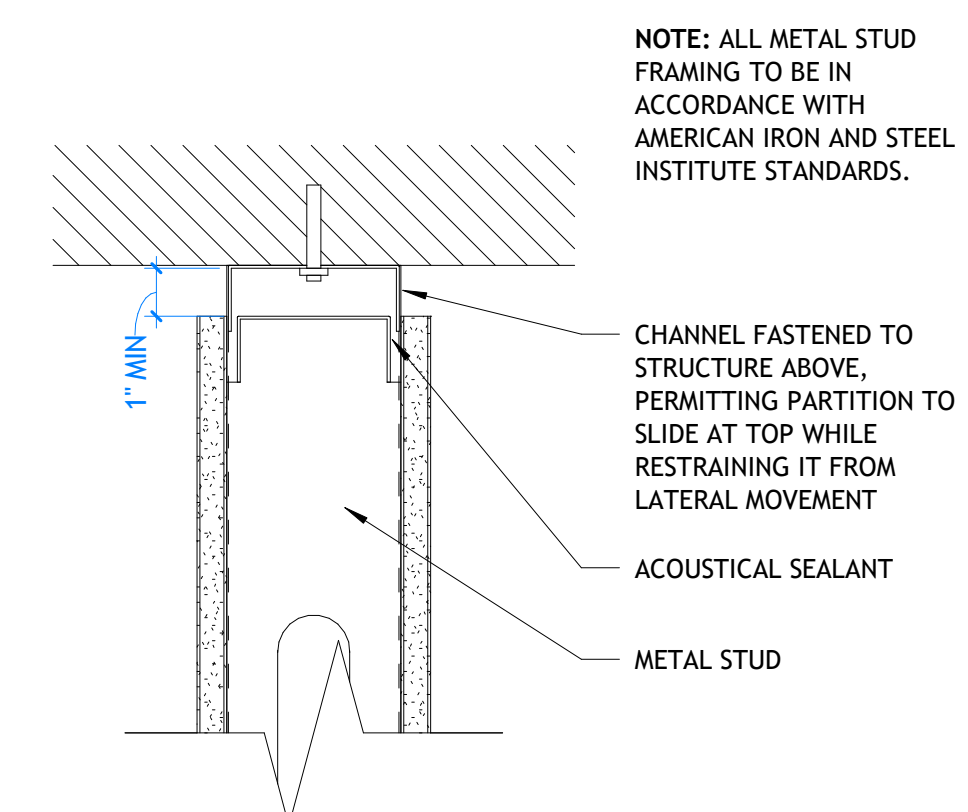
B3 SEMI RECESSED FIRE EXTINGUISHER
A702 | SCALE: 3/4" = 1'-0"



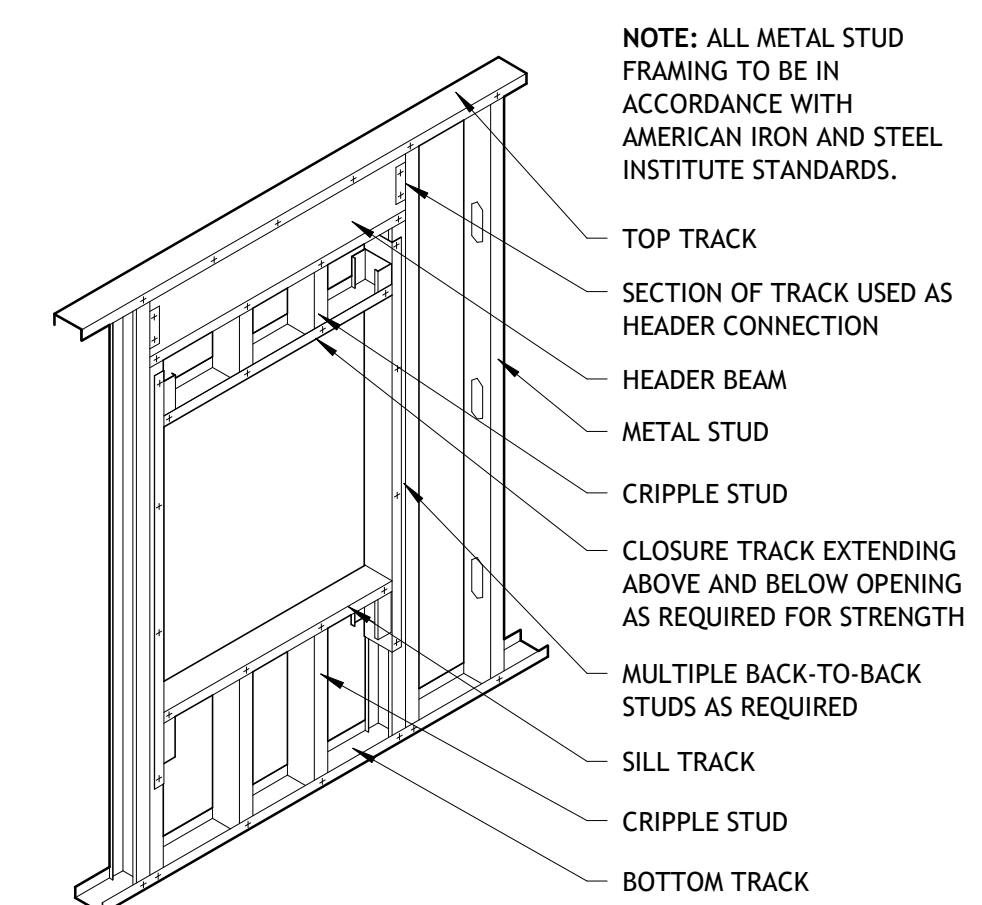
B4 HEADER DETAIL
A702 | SCALE: 1 1/2" = 1'-0"



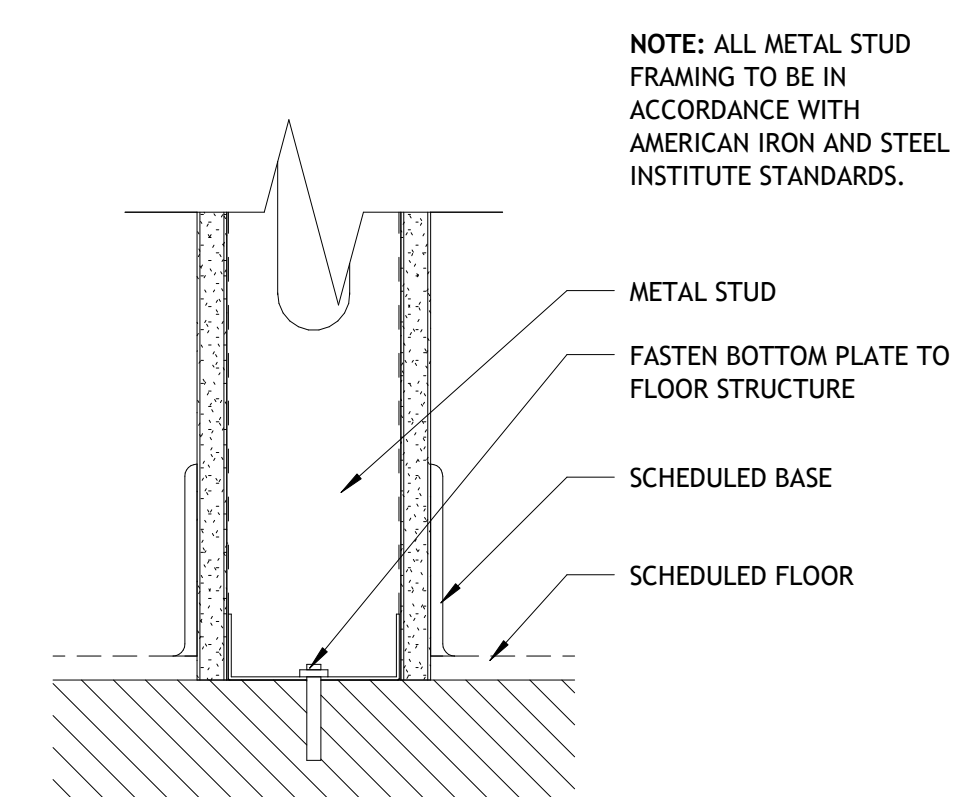
B5 METAL STUD STRAP DETAIL
A702 | SCALE: NOT TO SCALE



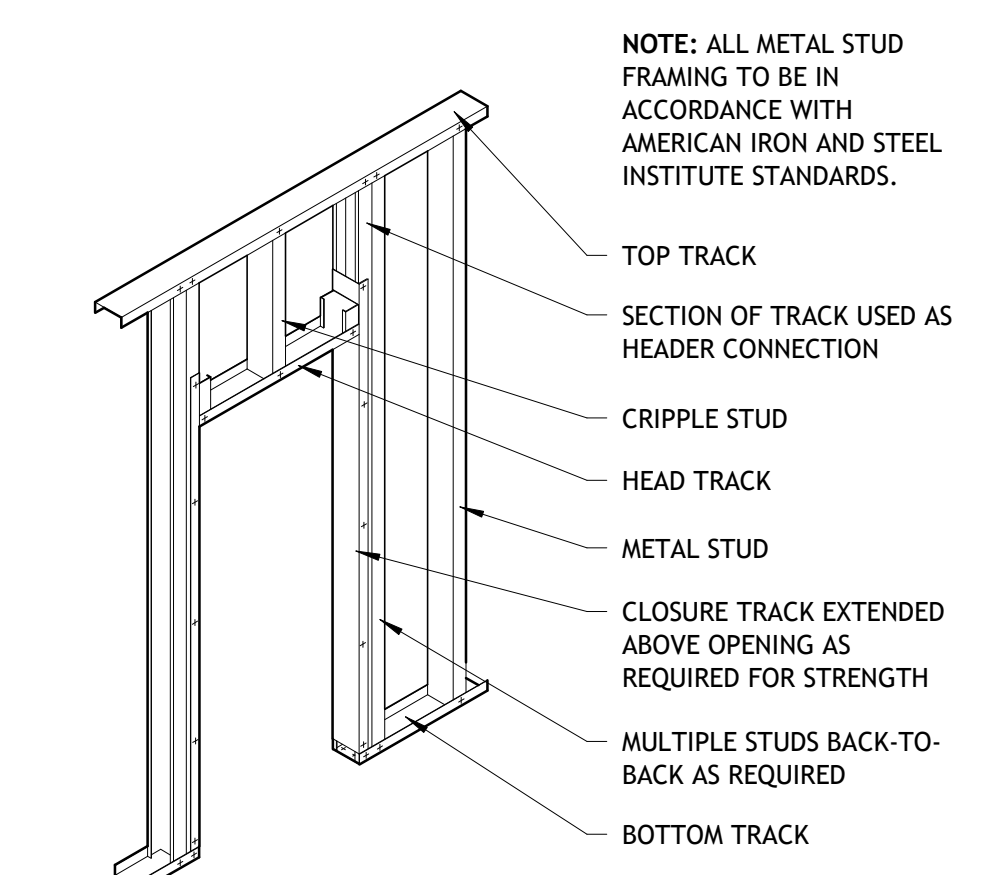
C4 WALL DEFLECTION DETAIL
A702 | SCALE: 3" = 1'-0"



C5 METAL FRAMING WINDOW DETAIL
A702 | SCALE: NOT TO SCALE



D4 WALL TO FLOOR DETAIL
A702 | SCALE: 3" = 1'-0"



D5 METAL FRAMING DOOR DETAIL
A702 | SCALE: NOT TO SCALE

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4292 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
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PROJECT INFORMATION	
DATE:	09 DECEMBER 2025
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DRAWN BY:	CORE
PM / PA:	CORE

DRAWING SET STATUS
**CONSTRUCTION
DOCUMENTS**

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SHEET TITLE

**MISCELLANEOUS
DETAILS -
METAL**

SHEET NUMBER
A702

Autodesk Docs: /25-088 Millcreek Dermatology/25-088 Millcreek Dermatology.rvt
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KEYNOTES



FLOOR FINISH LEGEND		
NOTE: SEE FINISH SCHEDULE ON SHEET A1100 FOR PRODUCT INFORMATION.		
F1	LUXURY VINYL TILE	[Color swatch]
F2	CARPET TILE	[Color swatch]
F3	PORCELAIN TILE	[Color swatch]
F4	WALK OFF	[Color swatch]
F5	EXISTING	[Color swatch]

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SHEET TITLE

INTERIOR FINISH PLAN - LEVEL 2

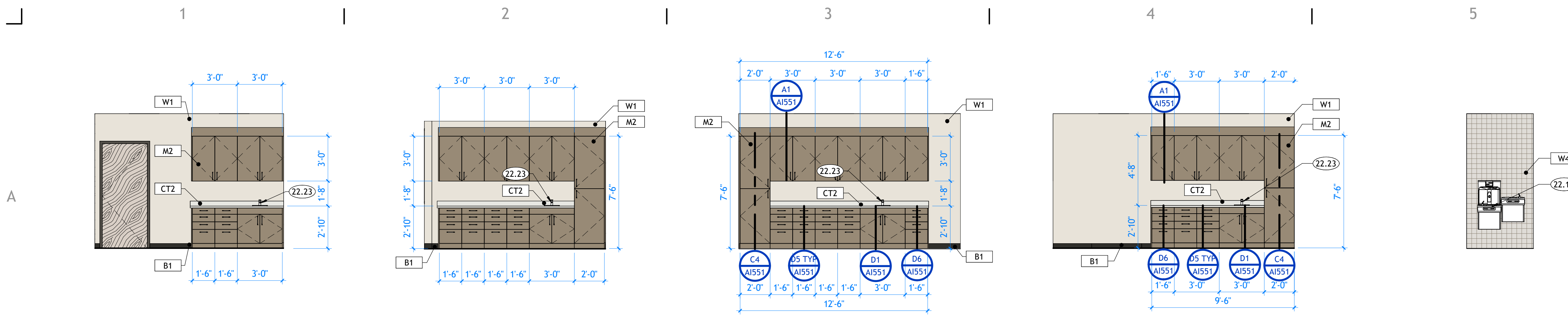
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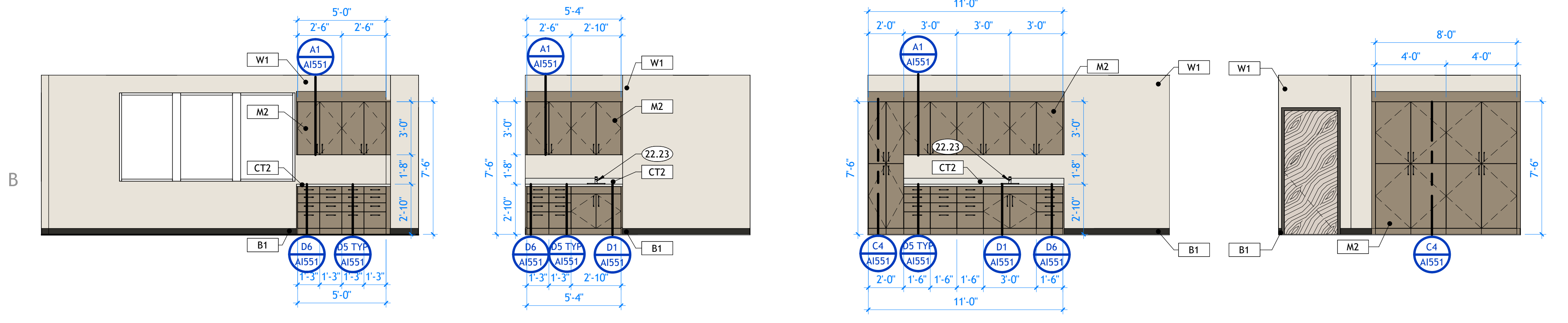
GENERAL NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- MILLWORK SHOWN FOR CLARITY. PROVIDE FLOORING UNDER EQUIPMENT, MILLWORK AND COUNTERTOPS.
- SEE INTERIOR ELEVATIONS ON A251 AND MILLWORK DETAILS ON A551 FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS.
- FINAL FINISH SELECTION TO BE COORDINATED WITH ARCHITECT, OWNER AND INTERIOR DESIGNER.
- SEE INTERIOR FINISH SCHEDULE ON A1100 FOR EXTENT OF FINISHES AND TRANSITION STRIPS. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS ON FLOORS AND WALLS.
- RUN FLOORING UNDER MILLWORK.
- PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS.
- WINDOW SHADE TO BE SPECIFIED IN INTERIOR FINISH SCHEDULE.

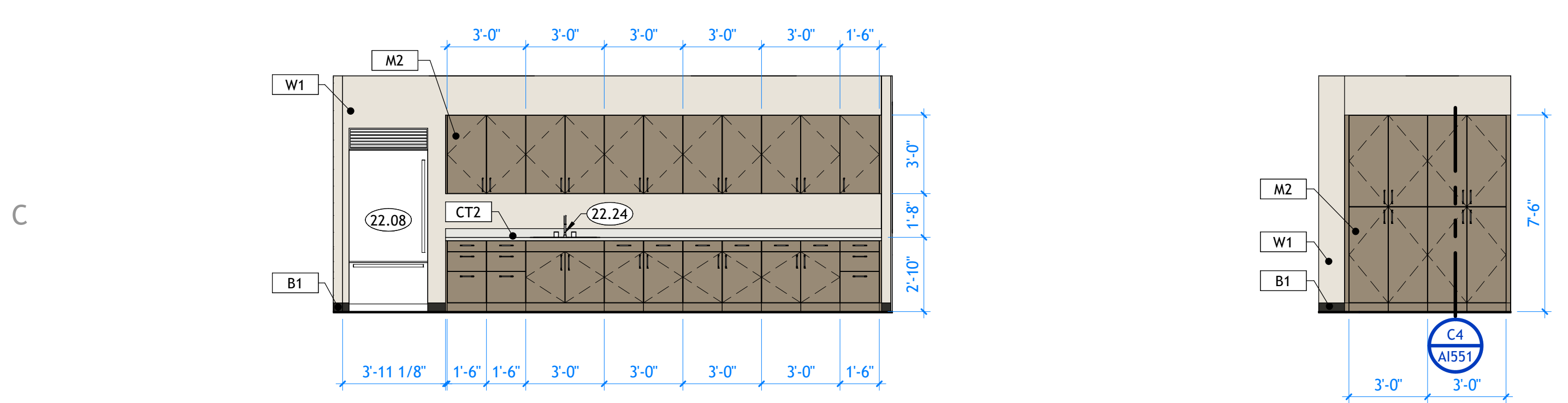




A1 EXAM ROOM - TYPICAL | A1201 | SCALE: 1/4" = 1'-0"
A2 TREATMENT ROOM - TYPICAL | A1201 | SCALE: 1/4" = 1'-0"
A3 TREATMENT ROOM 101 - WEST | A1201 | SCALE: 1/4" = 1'-0"
A4 TREATMENT ROOM - 124 | A1201 | SCALE: 1/4" = 1'-0"
A5 WATERFOUNTAIN - TYPICAL | A1201 | SCALE: 1/4" = 1'-0"



B1 TREATMENT ROOM 101 - EAST | A1201 | SCALE: 1/4" = 1'-0"
B2 EXAM ROOM - 113 | A1201 | SCALE: 1/4" = 1'-0"
B3 TREATMENT ROOM - 119 | A1201 | SCALE: 1/4" = 1'-0"
B4 TALL CABINETS - 119 | A1201 | SCALE: 1/4" = 1'-0"



C1 BREAKROOM | A1201 | SCALE: 1/4" = 1'-0"
C3 HALLWAY MILLWORK | A1201 | SCALE: 1/4" = 1'-0"

KEYNOTES

22.08 REFRIGERATOR, VERIFY MODEL WITH OWNER.
 22.15 ADA COMPLIANT HI/LOW WALL-MOUNTED ELKAY DRINKING FOUNTAIN COMBO W/ BOTTLE FILLER.
 22.23 KOHLER; PARALLEL IN BRUSHED NICKEL K-23484-4-BN. ADD TAP MASTER EURO FOOT ACTIVATOR. EXACT MODEL TO BE VERIFIED BY OWNER AND CONTRACTOR.
 22.24 KOHLER; COMPONENTS TOUCHLESS W/ PULLDOWN IN POLISHED NICKEL. K-28270-RT2-SN

NOT FOR CONSTRUCTION

CONSULTANT INFORMATION

PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
 4232 S HIGHLAND DRIVE - SUITE XX
 MILLCREEK - UT - 84124

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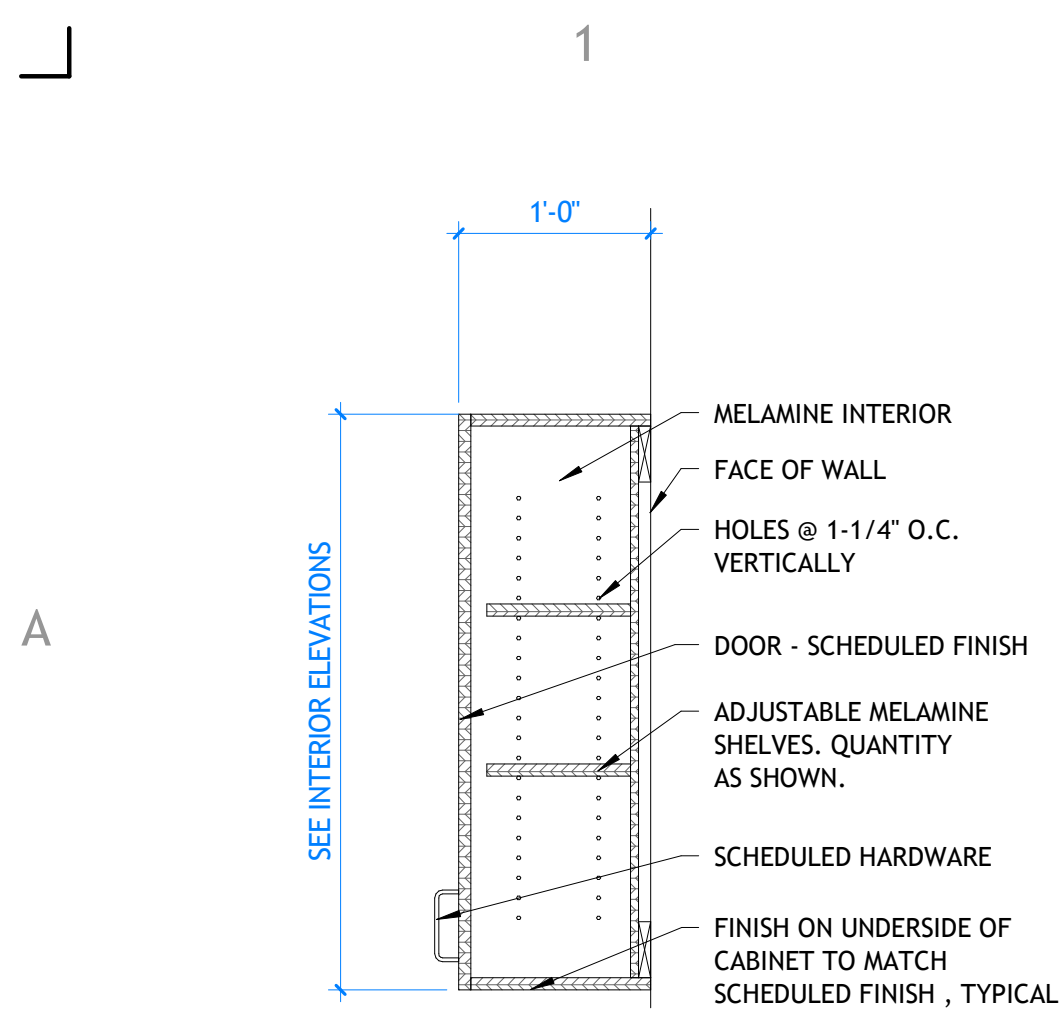
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SHEET NUMBER
A1201

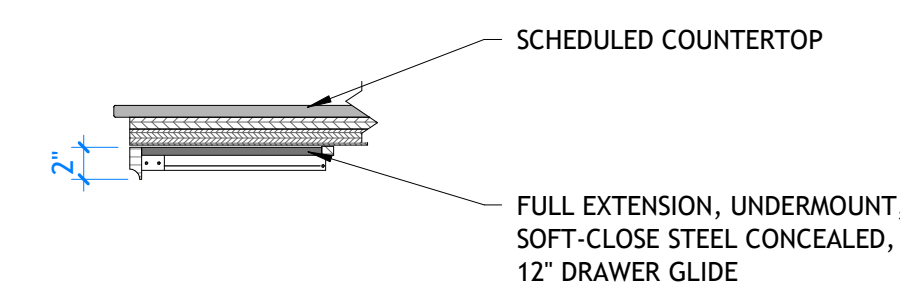
GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
 B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
 C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
 D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
 E. SEE DETAILS D1/G002 AND D4/G002 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
 F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C4/G002.

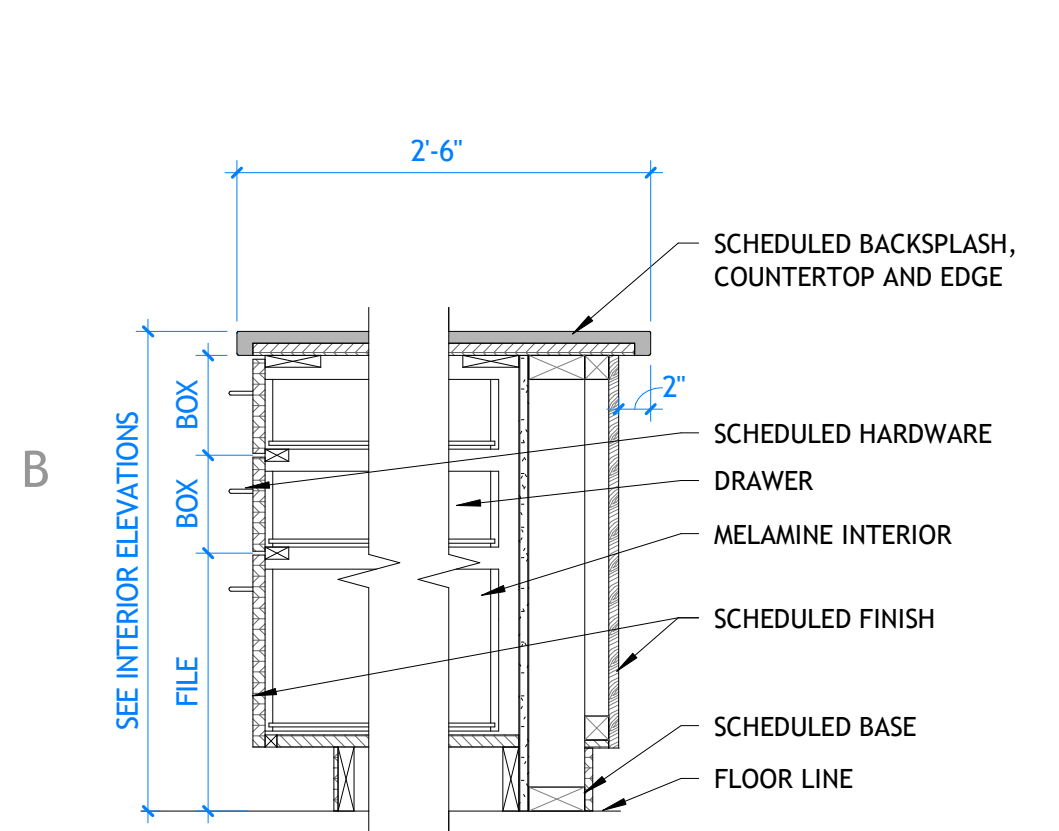
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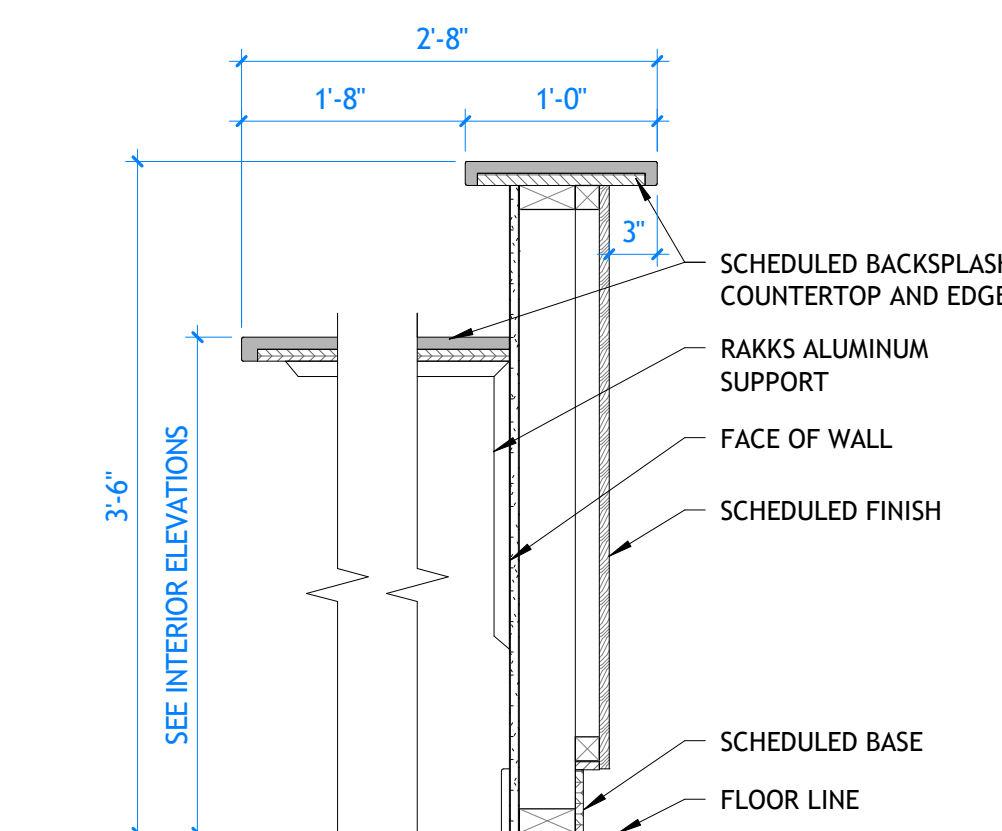
A1 UPPER CABINET
AI551 | SCALE: 1" = 1'-0"



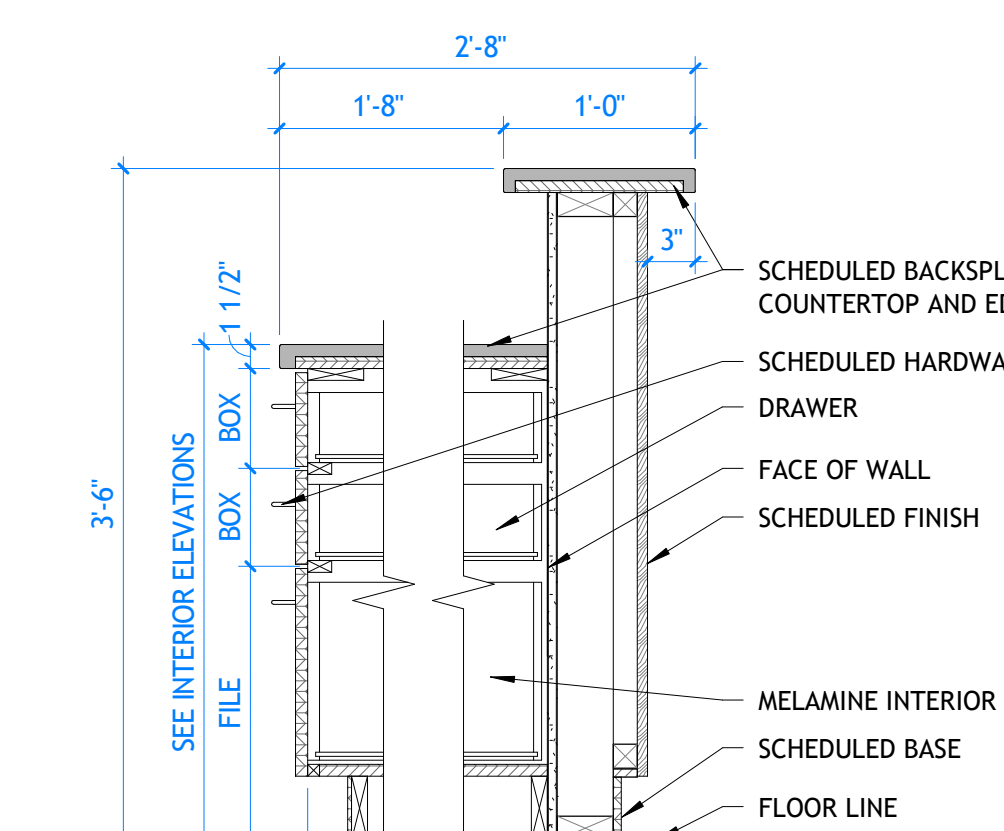
A4 PULL OUT DRAWER
AI551 | SCALE: 1" = 1'-0"



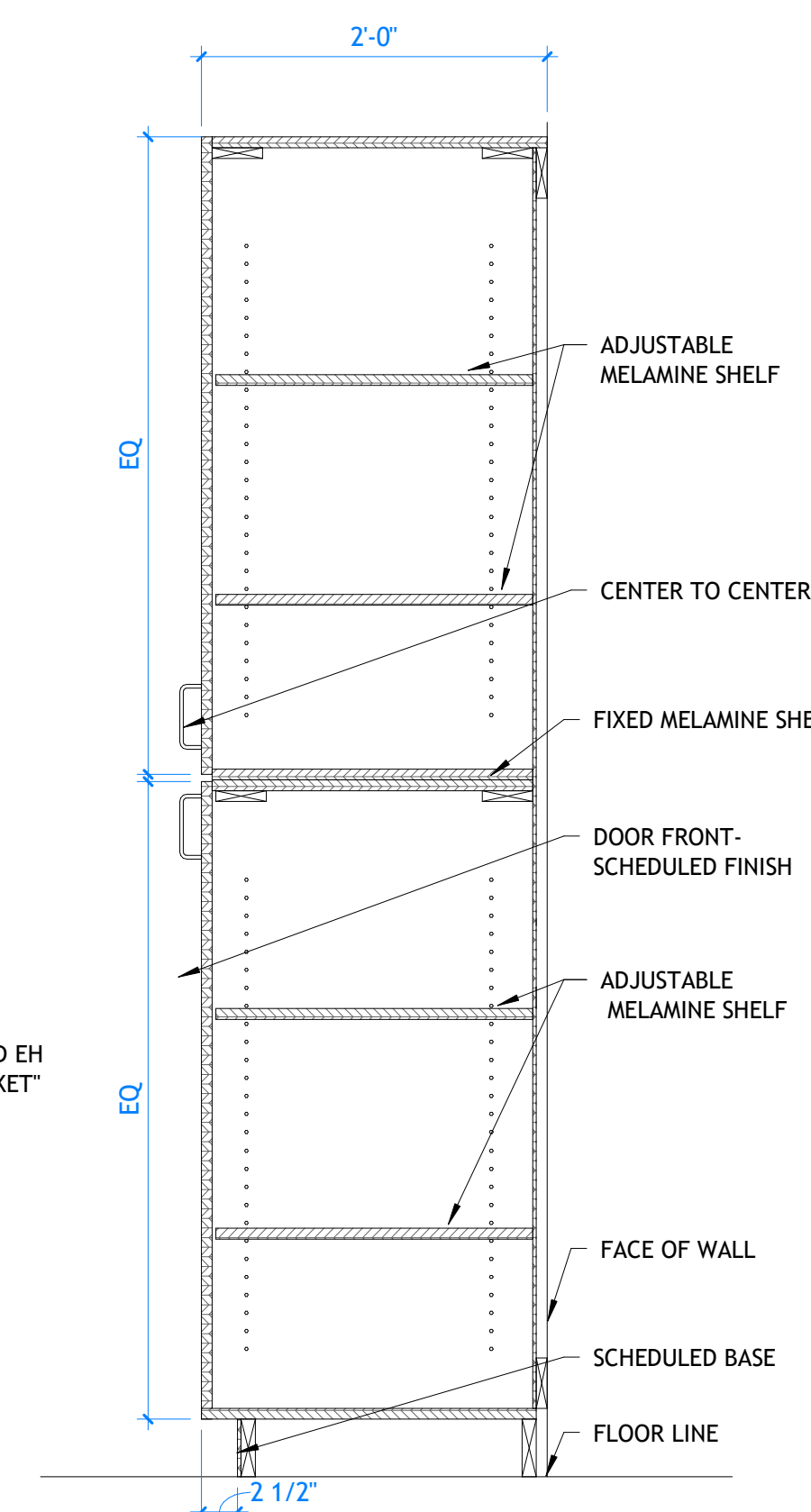
B1 RECEPTION BASE CABINET
AI551 | SCALE: 1" = 1'-0"



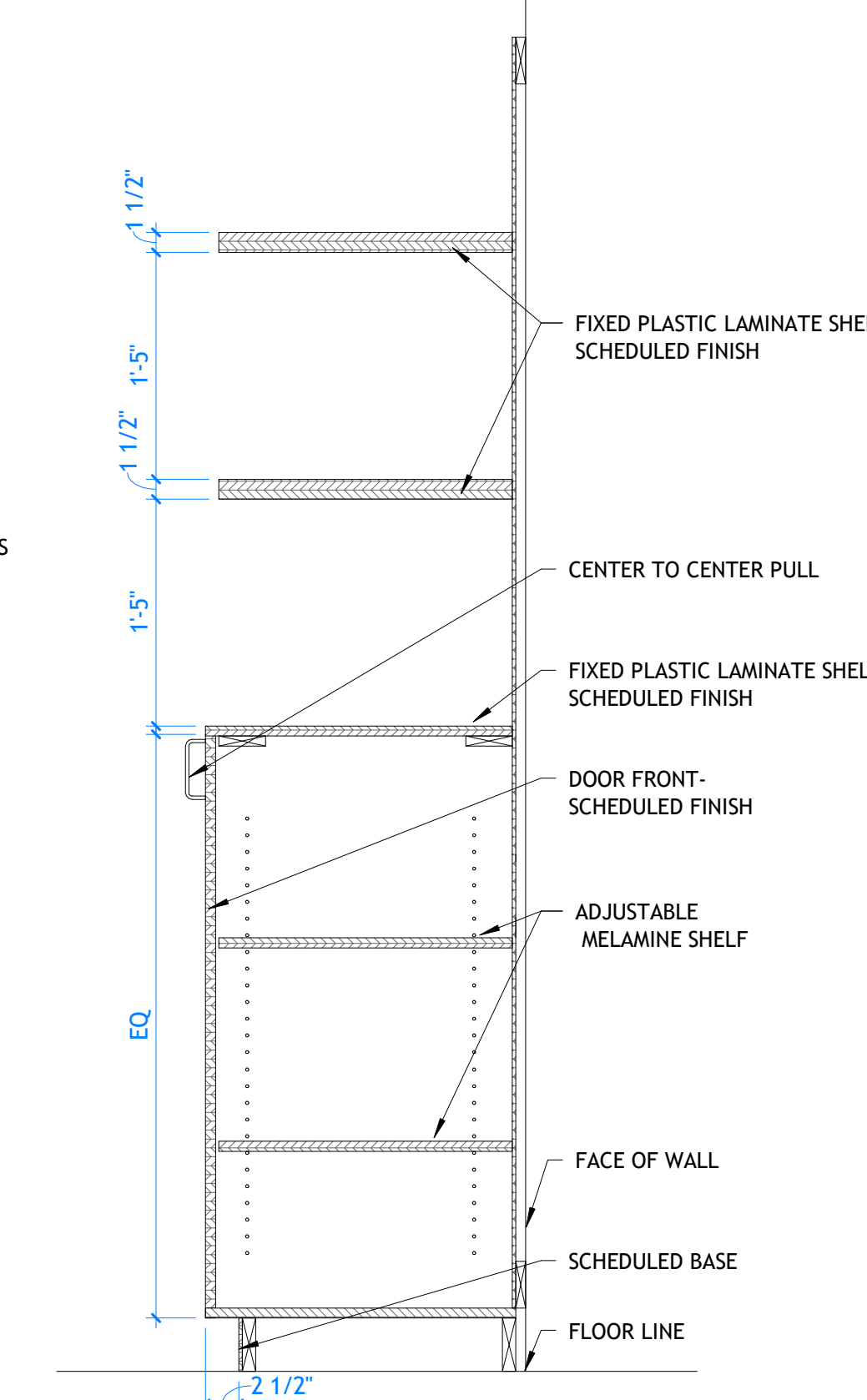
B2 RECEPTION COUNTER
AI551 | SCALE: 1" = 1'-0"



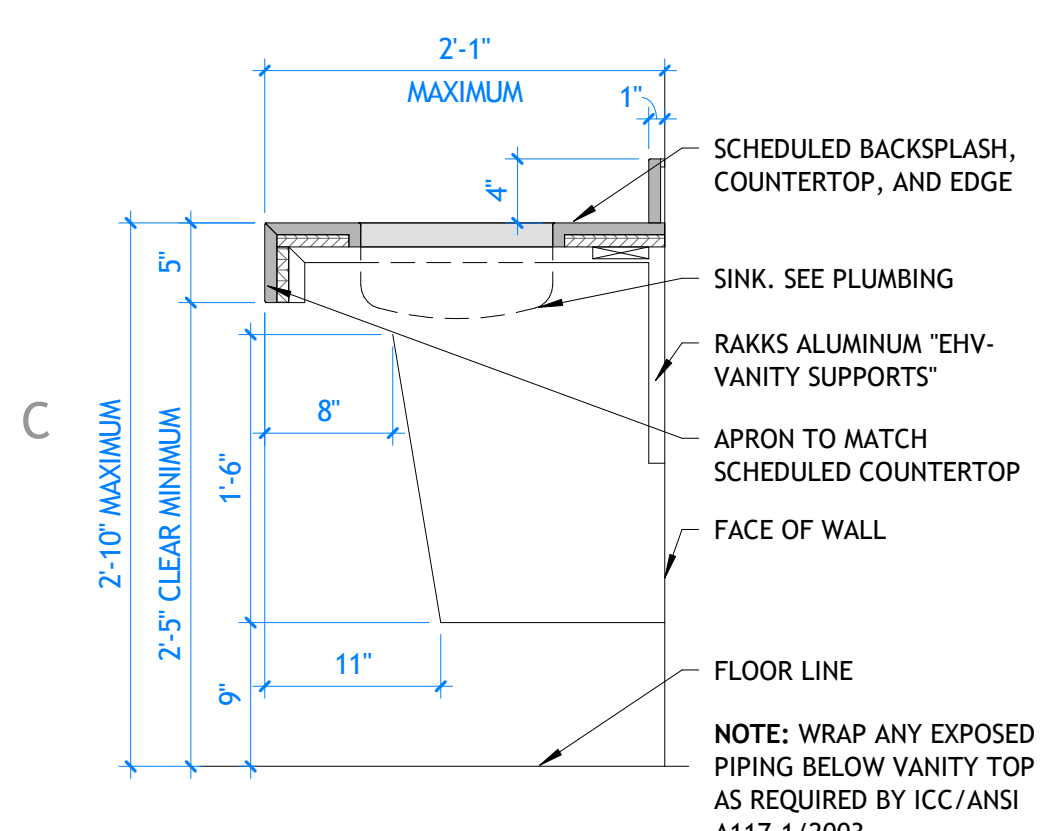
B3 RECEPTION BASE CABINET
AI551 | SCALE: 1" = 1'-0"



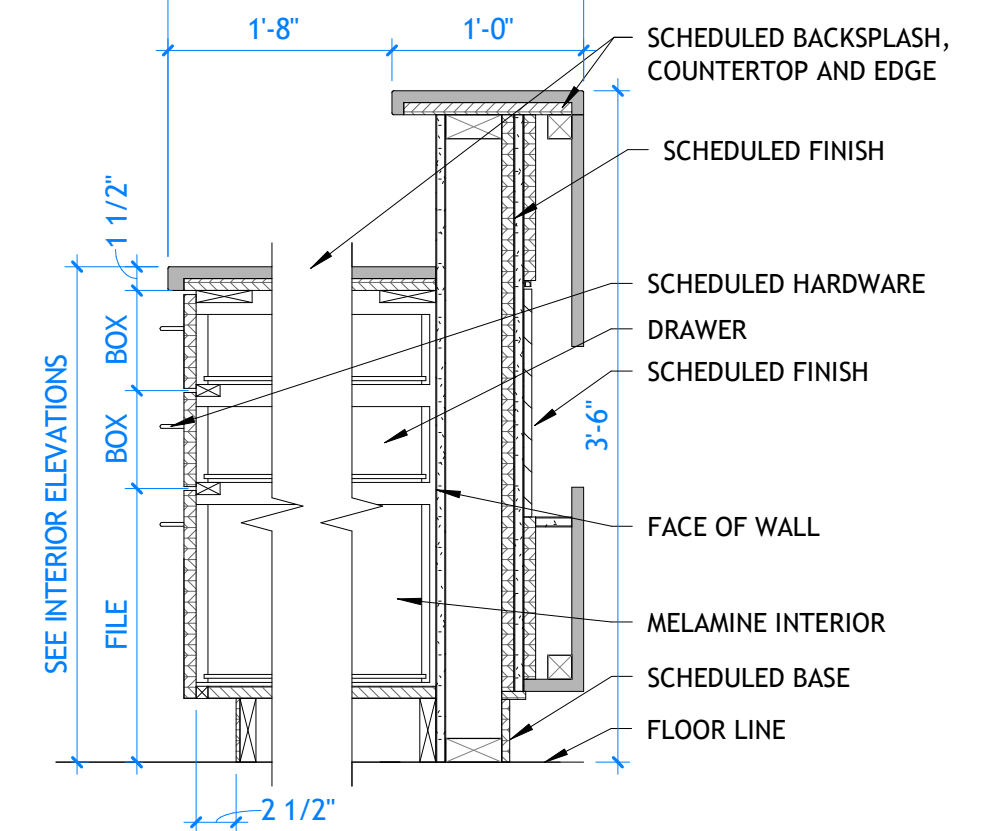
C4 TALL CABINET
AI551 | SCALE: 1" = 1'-0"



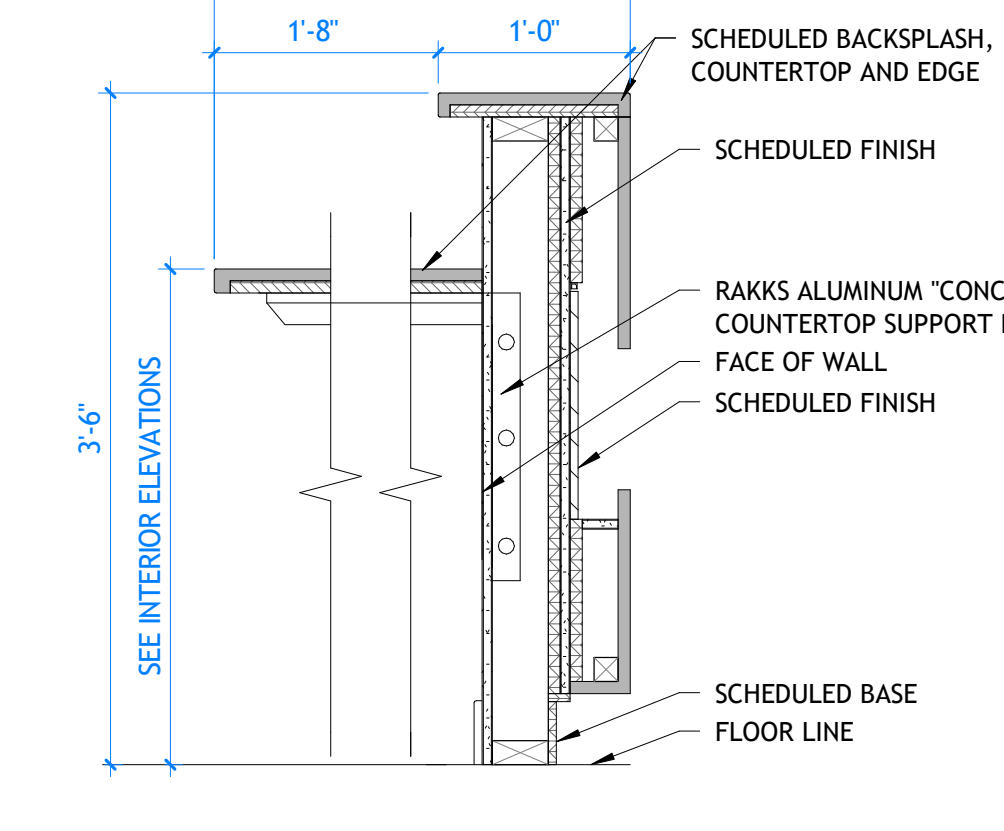
C5 RECEPTION RETAIL SHELVING
AI551 | SCALE: 1" = 1'-0"



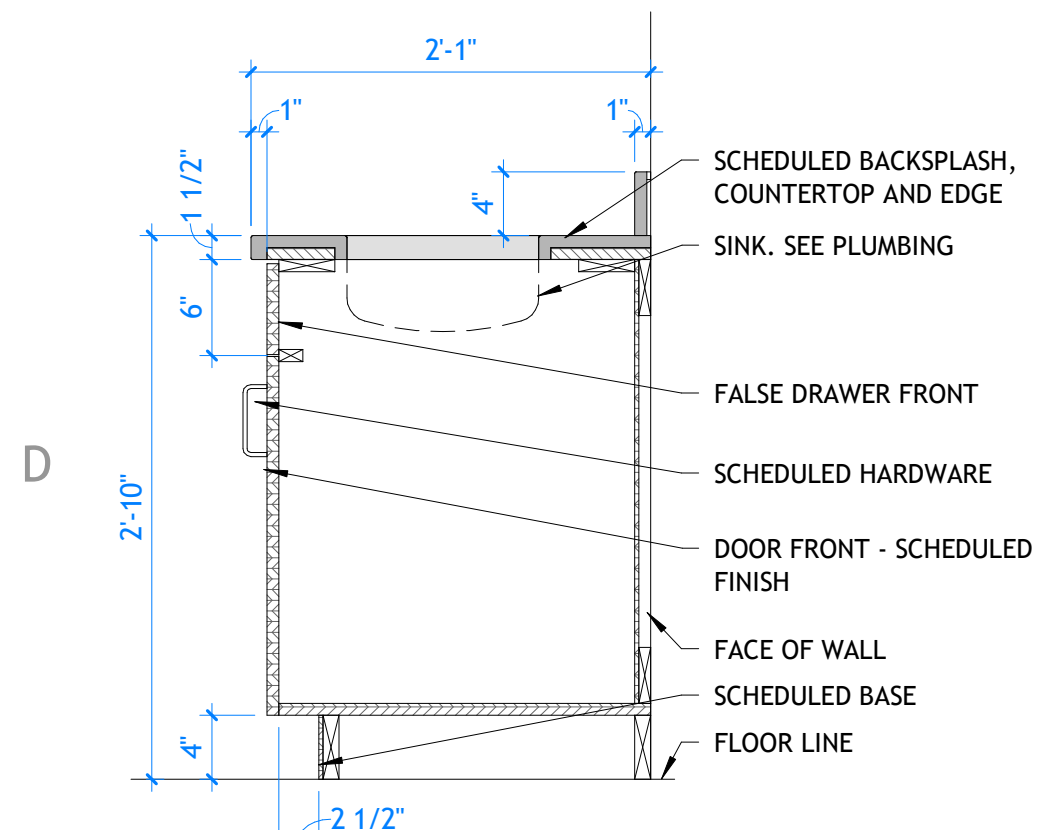
C1 RESTROOM COUNTER
AI551 | SCALE: 1" = 1'-0"



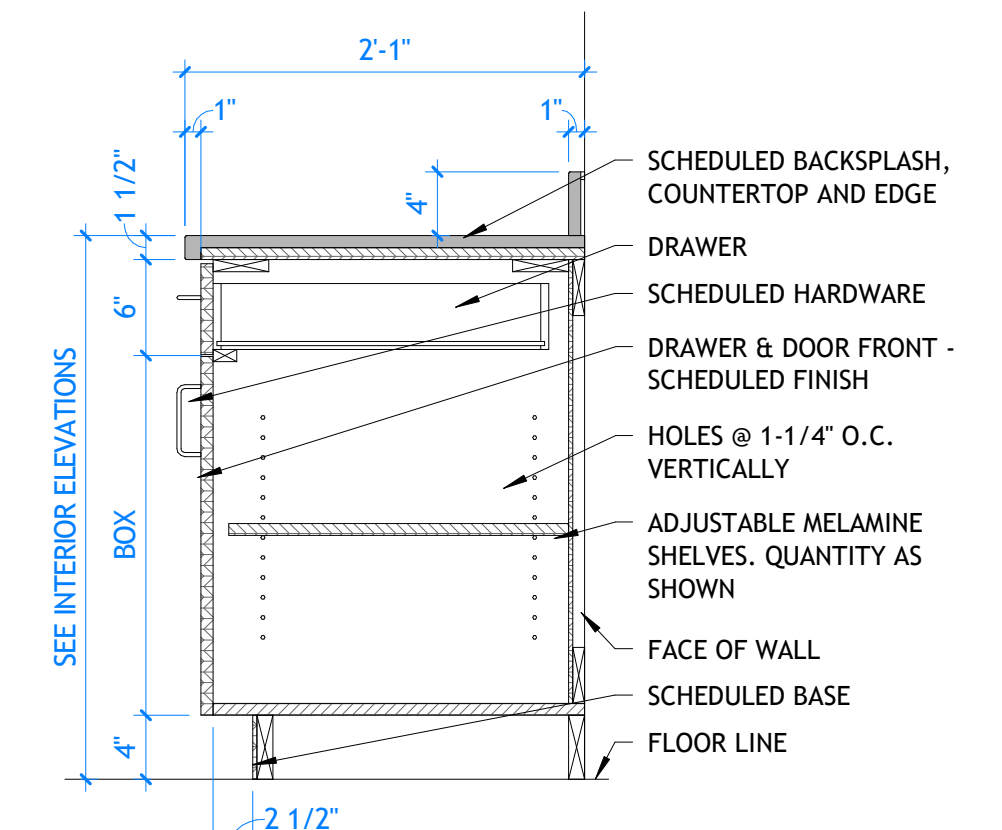
C2 RECEPTION BASE CABINET
AI551 | SCALE: 1" = 1'-0"



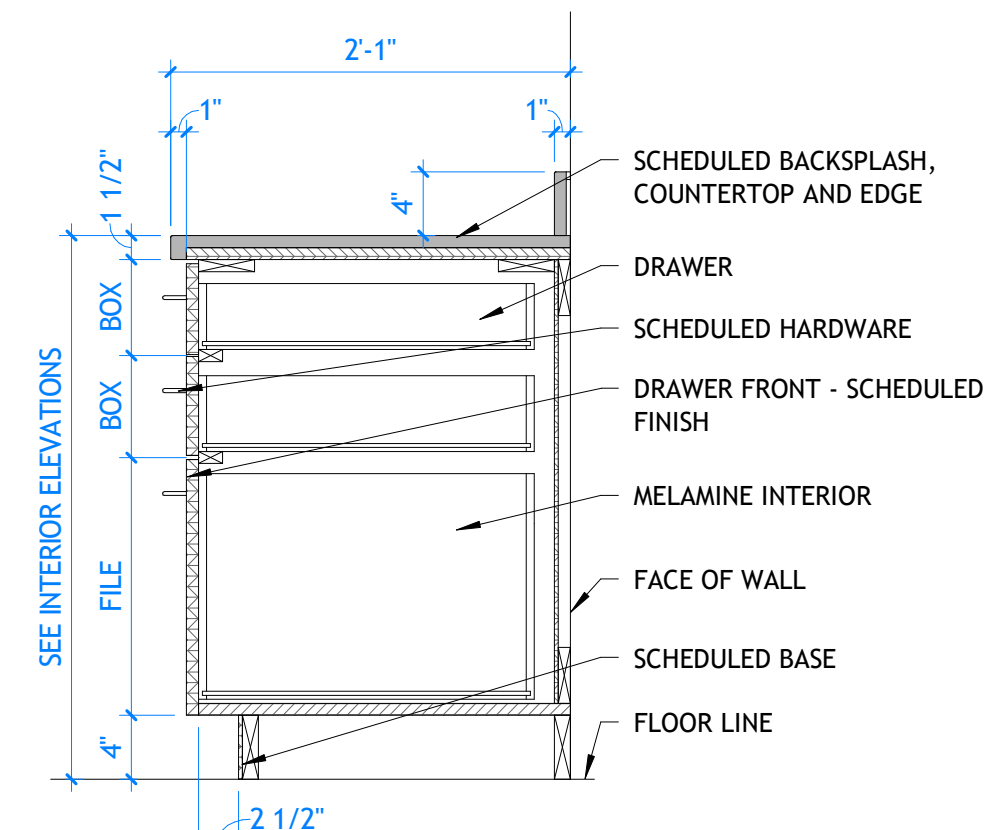
C3 RECEPTION COUNTER
AI551 | SCALE: 1" = 1'-0"



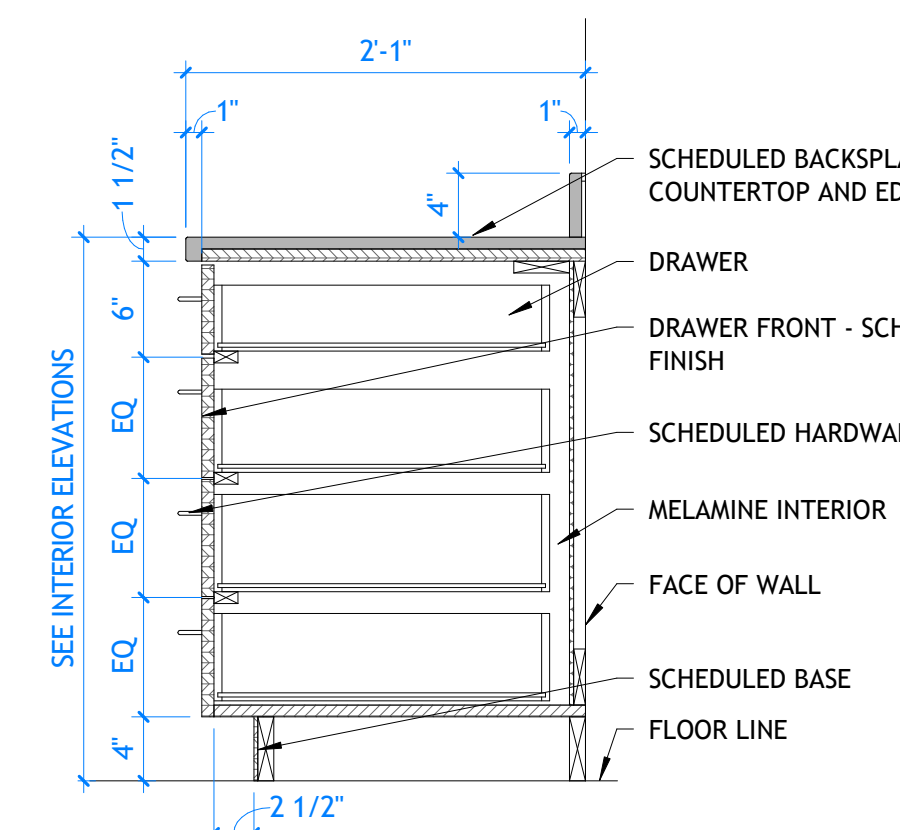
D1 CABINET W/ SINK
AI551 | SCALE: 1" = 1'-0"



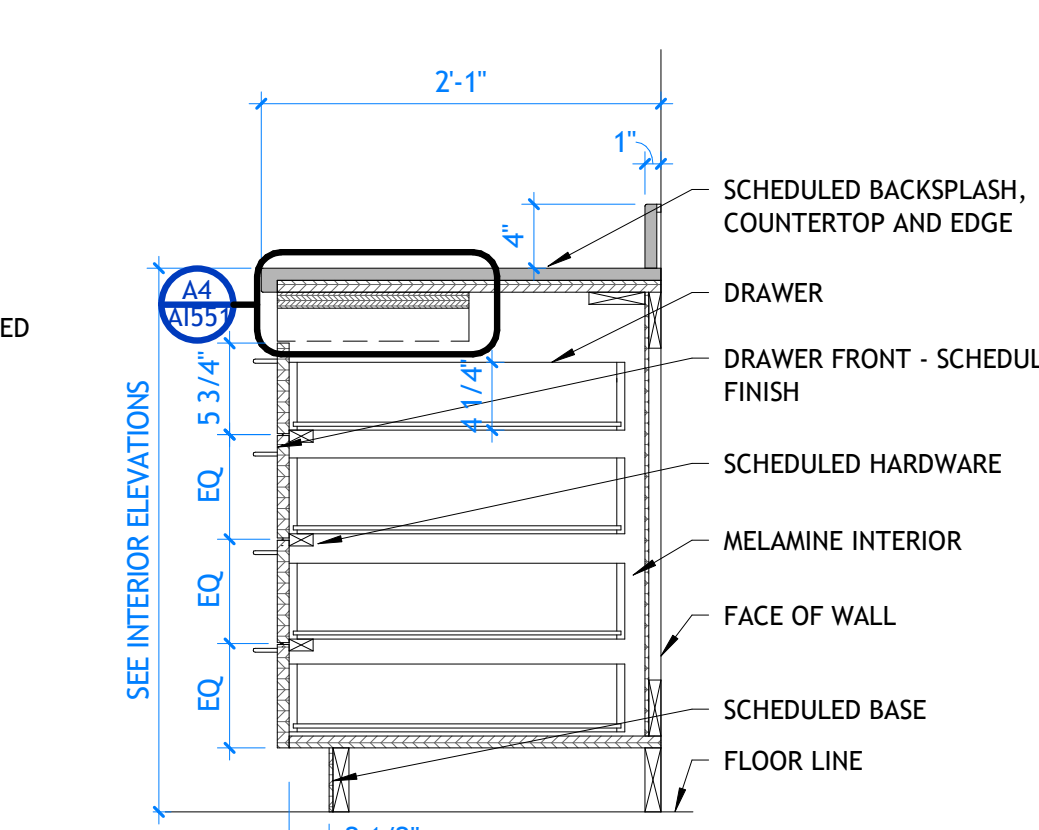
D2 BASE CABINET W/ DRAWER & SHELF
AI551 | SCALE: 1" = 1'-0"



D3 BASE CABINET W/ 3 DRAWERS
AI551 | SCALE: 1" = 1'-0"



D5 BASE CABINET W/ 4 EQ DRAWERS
AI551 | SCALE: 1" = 1'-0"



D6 BASE CABINET W/ 4 EQ DRAWERS
AI551 | SCALE: 1" = 1'-0"

GENERAL NOTES

- A. BACKSPLASH VARIES, SEE ELEVATIONS. IF NO PLUMBING IS PRESENT A BACKSPLASH SHALL NOT BE REQUIRED. BACKSPLASH SHALL BE 3/4" THICK AND 4" MINIMUM IN HEIGHT, TO MATCH COUNTERTOP FINISHED MATERIAL IF SPECIFIED. PROVIDE BULLNOSE TOP AND RADIUS BACKSPLASH BOTTOM.
- B. COUNTERTOPS SHALL BE (2) LAYERS 3/4" PLYWOOD WITH SCHEDULED FINISH AT COUNTERTOP, UNLESS OTHERWISE NOTED. FRONT EDGE SHALL HAVE HALF BULLNOSE FINISH.
- C. IF THE TOP OF THE CABINET IS LESS THAN 18" AWAY FROM THE FINISHED CEILING ENCLOSURE, A PLASTIC LAMINATE PANEL SHALL BE REQUIRED.
- D. COORDINATE GROMMET AND HOLE LOCATION WITH OWNER.
- E. ALL DOORS AND DRAWERS TO BE SOFT CLOSE WITH FULL EXTENSION.
- F. MILLWORK HARDWARE TO BE:

PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY

4325 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	09 DECEMBER 2025
PROJECT #:	25-088
DRAWN BY:	CORE
PM / PA:	CORE

DRAWING SET STATUS
CONSTRUCTION DOCUMENTS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

MILLWORK DETAILS

SHEET NUMBER
AI551

Autodesk Docs: /25-088 Millcreek Dermatology/25-088 Millcreek Dermatology.rvt 12/9/2025 4:25:01 PM

Existing Mechanical Notes

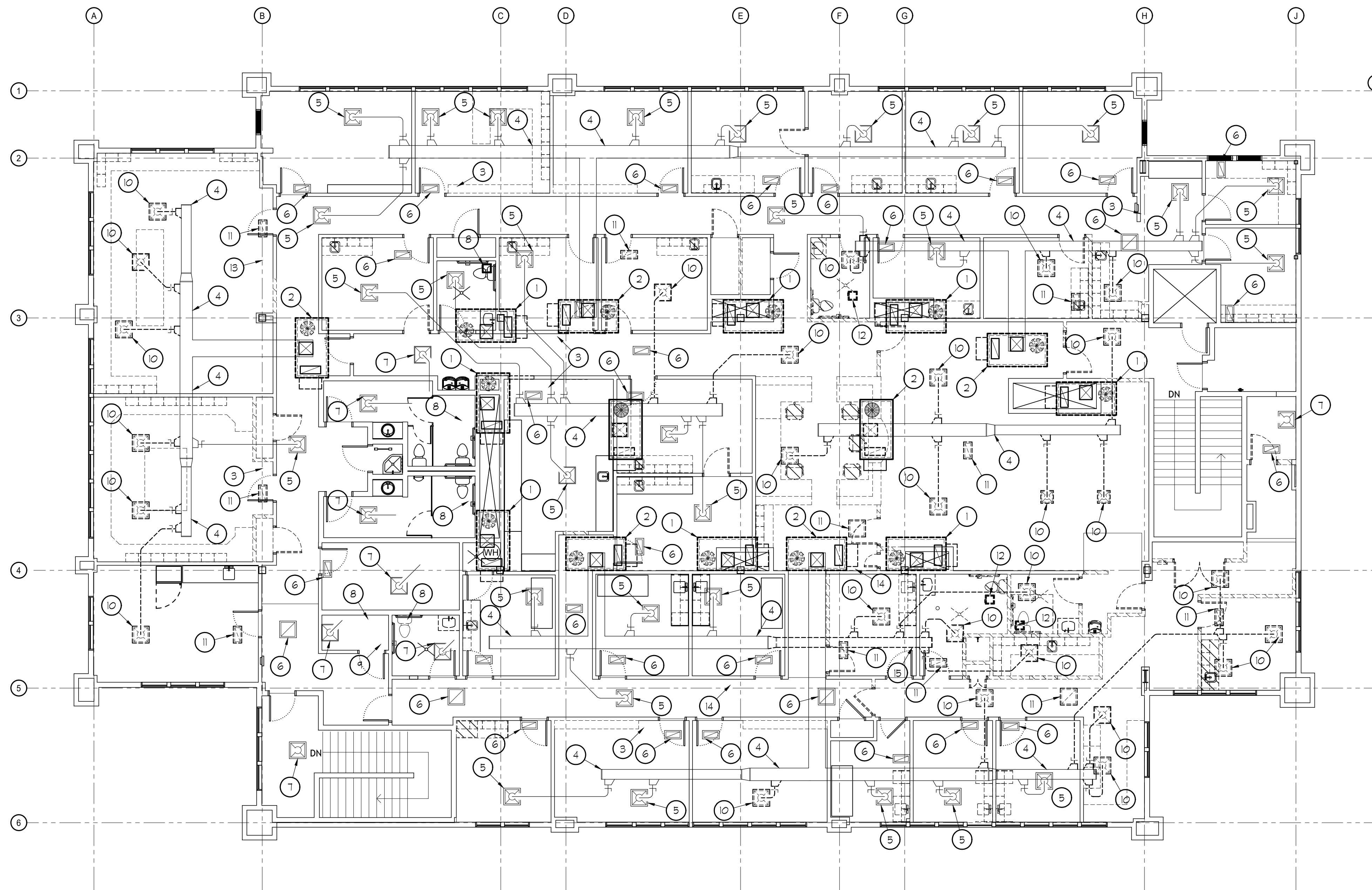
- 1- ALL PACKAGED ROOFTOP UNITS SERVING THE UPPER FLOOR SHALL BE THOROUGHLY INSPECTED AND SERVICED FOR ASSURANCE OF PROPER OPERATION. UNITS SHALL BE INSPECTED AND SERVICED INCLUDING BUT NOT LIMITED TO:
 - A- DISCOVERY AND RECORDING OF UNIT MANUFACTURER, MODEL NUMBER, SERIAL NUMBER AND DATE OF MANUFACTURE. VERIFIED INFORMATION SHALL BE DELIVERED TO THE GENERAL CONTRACTOR FOR DISTRIBUTION TO OWNER, ARCHITECT AND ENGINEER OF RECORD.
 - B- VERIFICATION OF PROPER OPERATION OF ALL COMPONENTS INCLUDING BLOWER, COMPRESSOR, CONDENSER FAN AND ECONOMIZERS. ALL FANS SHALL BE CHECKED FOR PROPER ROTATION.
 - C- CLEANING OF BLOWER WHEELS AND CABINET INTERIOR.
 - D- CLEANING OF CONDENSER COILS AND REMOVAL OF DEBRIS.
 - E- VERIFICATION OF HEATING SECTION INCLUDING HEAT EXCHANGER, IGNITION COMPONENTS, FUEL GAS COMPONENTS AND GAS MANIFOLD PRESSURE(S).
- 2- ALL EXISTING DISTRIBUTION DUCTING NOT REMOVED DURING DEMOLITION SHALL BE INSPECTED FOR DAMAGE, DUCT BREAKS AND PROPER SUPPORT / HANGING. DAMAGE AND/OR CONDITIONS REQUIRING REMEDY SHALL BE RECORDED AND NOTIFICATION OF THE EXISTING CONDITION SHALL BE REPORTED TO THE GENERAL CONTRACTOR FOR FURTHER ACTION.
- 3- ALL EXISTING SUPPLY AIR BRANCH DUCTS AND DIFFUSERS NOT REMOVED DURING DEMOLITION SHALL BE INSPECTED FOR DAMAGE, DUCT BREAKS, PROPER BALANCING DAMPER OPERATION AND PROPER SUPPORT / HANGING.
 - A- BROKEN / DISCONNECTED BRANCH DUCTS SHALL BE REPAIRED TO SMACNA STANDARDS.
 - B- DIFFUSERS NOT REMOVED DURING DEMOLITION SHALL BE VACUUMED AND WIPED CLEAN.
- 4- ALL EXISTING RETURN AIR GRILLES AND SOUND BOOTS NOT REMOVED DURING DEMOLITION SHALL BE INSPECTED FOR DAMAGE, DUCT BREAKS, AND PROPER SUPPORT / HANGING.
 - A- BROKEN / DISCONNECTED SOUND BOOTS SHALL BE REPAIRED AND RE-INSTALLED.
 - B- RETURN GRILLES NOT REMOVED DURING DEMOLITION SHALL BE VACUUMED AND WIPED CLEAN.
- 5- ALL EXISTING CEILING MOUNTED EXHAUST FANS NOT REMOVED DURING DEMOLITION SHALL BE INSPECTED FOR DAMAGE, DUCT BREAKS, AND PROPER SUPPORT / HANGING.
 - A- EXHAUST GRILLES SHALL BE REMOVED AND CLEANED PRIOR TO RE-INSTALLATION.
 - B- EXHAUST FAN WHEELS AND MOTORS SHALL BE VACUUMED CLEAN.
 - C- FAN DISCHARGE DAMPERS SHALL BE INSPECTED FOR PROPER OPERATION.
 - D- EXHAUST AIR DUCTS SHALL BE INSPECTED FOR DAMAGE / BREAKS AND SHALL BE REPAIRED TO SMACNA STANDARDS.
 - E- FANS FOUND TO BE DAMAGED OR NOT SERVICEABLE SHALL BE REPORTED TO THE GENERAL CONTRACTOR FOR FURTHER ACTION.
- 6- ALL SUPPLY AIR BRANCH DUCTS REMOVED DURING DEMOLITION SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE TRUNK DUCT AND THE TRUNK DUCT SHALL BE PATCHED AND SEALED TO 2" PRESSURE CLASS STANDARDS.
- 7- ALL EXHAUST AIR BRANCH DUCTS REMOVED DURING DEMOLITION SHALL BE REMOVED COMPLETELY BACK TO THE SOURCE EXHAUST DUCT RISER AND THE RISER DUCT SHALL BE PATCHED AND SEALED TO 2" PRESSURE CLASS STANDARDS. UN-USED EXHAUST DUCT RISERS REMAINING SHALL BE CAPPED AND SEALED AT THE BUILDING EXIT LOCATION TO WEATHER TIGHT STANDARDS.
- 8- ALL UN-USED OR DEMOLISHED DUCTS AND ASSOCIATED HANGARS SHALL BE REMOVED COMPLETELY FROM THE CEILING CAVITY. NO ABANDONED DUCTS OR HANGARS SHALL REMAIN.
- 9- ALL SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLES / SOUND BOOTS REMOVED DURING DEMOLITION SHALL BE RETAINED FOR POSSIBLE RE-USE. ALL SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLES RETAINED FOR RE-USE SHALL BE THOROUGHLY CLEANED AND INSPECTED FOR DAMAGE. GRILLES AND DIFFUSERS NOT SUITABLE FOR RE-USE SHALL BE PROPERLY DISPOSED OF.
- 9- BUILDING ENVIRONMENTAL CONTROLS SYSTEM TYPES AND CONFIGURATION COULD NOT BE VERIFIED DURING INITIAL DISCOVERY. MECHANICAL CONTRACTOR SHALL CONFER WITH THE BUILDING OPERATOR REGARDING THE TEMPERATURE CONTROLS SYSTEM AND DEVELOP A SUITABLE PLAN TO ASSURE PROPER OPERATION OF THE TEMPERATURE CONTROLS SYSTEM(S). ANALYSIS OF THE SYSTEM SHALL INCLUDE:
 - A- ROOFTOP UNIT SYSTEM CONTROLS ARE ANTICIPATED TO BE STAND-ALONE TYPE CONFIGURED FOR SINGLE ZONE APPLICATION. THE MECHANICAL CONTRACTOR SHALL VERIFY THE PROPER OPERATION AND CONFIGURATION OF THE EXISTING CONTROLS.
 - B- BUILDING RELIEF AIR IS ANTICIPATED TO BE BASED ON FULL PLENUM RELIEF. VERIFY PROPER OPERATION OF BUILDING PRESSURIZATION SYSTEM(S).
 - C- VENTILATION (OUTSIDE AIR) CONFIGURATION AND APPLICATION COULD NOT BE ASCERTAINED. VERIFY PROPER VENTILATION AS PER 2021 IMC CHAPTER 4, FGI "GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES" AND ALL OTHER APPLICABLE CODES.
 - D- PROVIDE FOR DEMAND CONTROL VENTILATION FOR ALL ZONES.

Existing Return Air Plenum

- THE CEILING CAVITY IN THIS STRUCTURE IS BEING USED AS A RETURN AIR PLENUM.
- 1- PLENUM CONSTRUCTION MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF 2021 IBC 703.5
 - 2- ALL MATERIALS INSTALLED IN CEILING CAVITY SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPMENT INDEX OF NOT MORE THAN 50 AS PER IMC SECTION 602.2.1.
 - 3- WIRES AND CABLES AND OPTICAL FIBER CABLES EXPOSED WITHIN A PLENUM SHALL BE PLENUM-RATED OR OTHERWISE MEET THE REQUIREMENTS OF IMC 602.2.1.1.

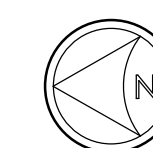
Keyed Reference Notes

- 1 EXISTING CURB MOUNTED PACKAGED ROOFTOP UNIT SERVING LOWER LEVEL TO REMAIN. UNIT SHOWN FOR COORDINATION PURPOSES ONLY. UNIT SERVICE AND VERIFICATION IS NOT INCLUDED IN THIS SCOPE OF WORK.
- 2 EXISTING CURB MOUNTED PACKAGED ROOFTOP UNIT SERVING UPPER FLOOR LEVEL TO REMAIN. REVIEW EXISTING MECHANICAL SYSTEMS NOTES FOR UNIT SERVICE AS PART OF THIS SCOPE OF WORK.
- 3 OBSERVED LOCATION OF EXISTING WALL MOUNTED THERMOSTAT. FIELD VERIFY LOCATION AND EQUIPMENT SERVED.
- 4 APPROXIMATE LOCATION AND ROUTING OF EXISTING TRUNK DUCT. FIELD VERIFY LOCATION, SIZING AND ROUTING.
- 5 OBSERVED LOCATION OF EXISTING SUPPLY AIR DIFFUSER TO REMAIN.
- 6 OBSERVED LOCATION OF EXISTING CEILING MOUNTED RETURN AIR GRILLE FOR CEILING PLENUM RETURN TO REMAIN.
- 7 OBSERVED LOCATION OF EXISTING SUPPLY AIR DIFFUSER TO REMAIN. BRANCH DUCT ORIGIN AND CONNECTION COULD NOT BE VERIFIED. FIELD VERIFY BRANCH DUCT ORIGIN AND ROUTING. RECORD FOR FUTURE REFERENCE.
- 8 OBSERVED LOCATION OF EXISTING CEILING MOUNTED EXHAUST AIR FAN TO REMAIN. FIELD VERIFY EXHAUST DUCT ROUTING, SIZING AND LOCATION.
- 9 OBSERVED LOCATION OF EXISTING THERMOSTAT FOR EXHAUST FAN CONTROL. FIELD VERIFY CONTROL OPERATION AND CONNECTIONS.
- 10 EXISTING CEILING MOUNTED DIFFUSER AND BRANCH DUCT TO BE REMOVED. PATCH AND SEAL TRUNK DUCT TO 2" PRESSURE CLASS. RETAIN UN-DAMAGED DIFFUSERS FOR CLEANING AND POSSIBLE RE-USE.
- 11 EXISTING CEILING MOUNTED RETURN AIR GRILLE AND SOUND BOOT TO BE REMOVED. RETAIN UN-DAMAGED GRILLES AND BOOTS FOR CLEANING AND POSSIBLE RE-USE.
- 12 EXISTING CEILING MOUNTED REST ROOM EXHAUST FAN TO BE REMOVED. REMOVE EXHAUST AIR DUCT TO EXHAUST RISER AND CAP / SEAL TO 2" PRESSURE CLASS.
- 13 OBSERVED LOCATION OF EXISTING WALL MOUNTED THERMOSTAT. CONTROL APPEARS TO SERVE ZONE CONTROL DAMPER. FIELD VERIFY LOCATION AND EQUIPMENT SERVED.
- 14 OBSERVED LOCATION OF EXISTING WALL MOUNTED THERMOSTAT. CONTROL APPEARS TO SERVE ZONE CONTROL DAMPER. FIELD VERIFY LOCATION AND EQUIPMENT SERVED.
- 15 EXISTING TRUNK DUCT. REMOVE DUCT(S) HAVING A CROSS SECTIONAL AREA OF LESS THAN 212 SQ. IN. BACK TO SOURCE AND PREP FOR NEW DUCT EXTENSION.



Upper Level Mechanical Demolition Plan

SCALE: 1/8"=1'-0"



233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

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Design, LLC
14 STARRY NIGHT FL. QUINCY, IL 62450
P: 360-945-8725 HVACENGINEERING@OUTLOOK.COM

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**
4252 S HIGHLAND DRIVE - SUITE 101
MILLCREEK, UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
DATE: 9 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: RD
PM / PA: PS

DRAWING SET STATUS
COORDINATION PLANS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
**UPPER LEVEL
PLUMBING
DEMOLITION
PLAN**

SHEET NUMBER
MD-101

Energy Code Compliance - Mechanical Requirements

- FUEL GAS FIRED WARM AIR UNIT HEATERS SHALL HAVE A MINIMUM COMBUSTION EFFICIENCY OF 80% E.C. (2021 IECC C403.3.2)
- SINGLE PACKAGED DX COOLING EQUIPMENT (WHEN PROVIDED AND INSTALLED) SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF TABLE C403.3.2(1).
- SINGLE SPLIT-SYSTEM DX COOLING EQUIPMENT (WHEN PROVIDED AND INSTALLED) SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF TABLE C403.3.2(1).
- HEAT PUMP TYPE EQUIPMENT (WHEN PROVIDED AND INSTALLED) SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS OF TABLE C403.3.2(2).
- HEATING AND/OR COOLING TO EACH HVAC ZONE SHALL BE CONTROLLED BY A THERMOSTAT / ZONE SENSOR AT A MINIMUM. (2021 IECC C403.4.1)
 - A - CONTROL SYSTEM(S) SHALL INCLUDE OPTIMUM START CONTROL LOGIC. (2021 IECC C403.4.2.3)
 - B - ZONE TEMPERATURE CONTROLS SHALL HAVE A 5 DEG.F. DEADBAND (2021 IECC C403.4.2.1)
 - C - ZONE TEMPERATURE CONTROLS SHALL HAVE SET POINT OVERLAP RESTRICTIONS. (2021 IECC C403.4.1.3)
 - D - ZONE TEMPERATURE CONTROLS SHALL BE PROVIDED WITH PROGRAMMABLE SETBACK CONTROLS. (2021 IECC C403.4.2)
 - E - SETBACK FOR AUTOMATIC ZONE TEMPERATURE CONTROLS SHALL BE INITIALLY PROGRAMMED TO 55 DEG. F. FOR HEATING; 85 DEG.F. FOR COOLING; 1-DAY CLOCK FUNCTION WITH 2 HOUR OCCUPANT OVERRIDE AND 10 HOUR BACK-UP. (2021 IECC C403.4.2.1); C403.4.2.2.
 - F - HVAC CONTROLS SYSTEMS SHALL BE TESTED TO ENSURE PROPER OPERATION, CALIBRATION AND ADJUSTMENT OF CONTROLS. (2021 IECC C403.3.2)

- HUMIDIFICATION EQUIPMENT OR SYSTEMS (WHEN PROVIDED) FOR EACH HVAC ZONE SHALL BE CONTROLLED BY A HUMIDISTAT / ZONE HUMIDITY SENSOR AT A MINIMUM. (2021 IECC C403.4.1)
- FAN MOTORS NOT LESS THAN 1/2 HP AND LESS THAN 10 HP SHALL BE ECM TYPE OR HAVE AN EFFICIENCY RATING OF 10% OR GREATER. MOTOR SPEED CONTROL SHALL BE PROVIDED. (2018 IECC C403.8.4)
- EACH DX COOLING SYSTEM IN EXCESS OF 65 MBH AND EVAPORATOR FANS GREATER THAN 1/4 HP SHALL BE PROVIDED WITH FAN SPEED CONTROLS TO VARY DELIVERED AIR FLOW WITH LOAD AS REQUIRED BY 2021 IECC C403.8.6.1.
- ALL HVAC PIPING SHALL BE INSULATED IN ACCORDANCE WITH 2021 IECC TABLE C403.12.3 REQUIREMENTS. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE AND SHALL BE PROVIDED WITH SOLAR RADIATION SHIELDING OR EQUIVALENT.
- NATURAL OR MECHANICAL VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH 2021 IMC CHAPTER 4. MECHANICAL VENTILATION SHALL HAVE THE CAPABILITY TO REDUCE OUTDOOR AIR SUPPLY TO MINIMUM PER 2021 IMC CHAPTER 4. (2021 IECC C403.2.2)
- HVAC DUCTS AND PLENUMS SHALL BE INSULATED IN ACCORDANCE WITH 2021 IECC C403.12.1 AND CONSTRUCTED IN ACCORDANCE WITH 2021 IECC C403.12.2.
- ALL AIR INLETS AND OUTLETS INCLUDING REGISTERS, GRILLES, DIFFUSERS AND PLENUM OPENINGS, SHALL BE PROVIDED WITH BALANCING DAMPERS HAVING LOCKING MECHANISMS. (2021 IECC C403.2.2.1)
- DUCTED INTAKE AND EXHAUST PENETRATIONS OF THE BUILDING THERMAL ENVELOPE SHALL BE PROVIDED WITH SHUT-OFF DAMPERS (2021 IECC C403.1.1).
- OPERATION AND MAINTENANCE MANUALS FOR HVAC SYSTEMS SHALL BE FURNISHED TO THE OWNERS REPRESENTATIVE WITHIN NINETY (90) DAYS OF SYSTEM(S) ACCEPTANCE. (2021 IECC C403.2.5)
- AS-BUILT PLANS FOR HVAC SYSTEMS SHALL BE FURNISHED TO THE OWNERS REPRESENTATIVE WITHIN NINETY (90) DAYS OF SYSTEM(S) ACCEPTANCE. (2021 IECC C403.2.5)
- AIR AND/OR HYDRONIC TEST AND BALANCE REPORTS FOR HVAC SYSTEMS SHALL BE PROVIDED. (2021 IECC C403.2.5.1)
- SYSTEMS COMMISSIONING FOR THE HVAC SYSTEMS SHALL BE PROVIDED BY THE OWNER / GENERAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL ACTIVELY SUPPORT ALL COMMISSIONING REQUIREMENTS.

Mechanical Symbols and Abbreviations

- | | | |
|--|-----------------------------|---------------------------------------|
| | SUPPLY AIR DIFFUSER | A.F.F. = ABOVE FINISH FLOOR |
| | RETURN AIR GRILLE | ARCH. = ARCHITECT |
| | RETURN AIR GRILLE | CU = CONDENSING UNIT |
| | RA GRILLES WITH SOUND BOOT | DN = DOWN |
| | EXHAUST AIR GRILLE | EA = EXHAUST AIR |
| | ROUND BRANCH DUCT | EF = EXHAUST FAN |
| | FLEXIBLE ROUND BRANCH DUCT | FD = FIRE DAMPER |
| | SUPPLY AIR DUCT TURNED UP | F/S = FIRE / SMOKE DAMPER |
| | SUPPLY AIR DUCT TURNED DOWN | FURN. = FURNACE |
| | RETURN AIR DUCT TURNED UP | G.C. = GENERAL CONTRACTOR |
| | RETURN AIR DUCT TURNED DOWN | G.I. = GALVANIZED IRON / STEEL |
| | EXH. AIR DUCT TURNED UP | HWR = HEATING WATER RETURN |
| | EXH. AIR DUCT TURNED DOWN | HWS = HEATING WATER SUPPLY |
| | THERMOSTAT | MAU = MAKE-UP AIR UNIT |
| | | O.A. = OUTSIDE AIR |
| | | O.C. = ON CENTER |
| | | RA = RETURN AIR |
| | | SA = SUPPLY AIR |
| | | UH = UNIT HEATER |
| | | ⊗ POINT OF CONNECTION NEW TO EXISTING |
| | | ⊕ ELEVATION MARK |

General Mechanical Notes

- MECHANICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES.
- INSTALLATION SHALL BE IN CONFORMANCE WITH THE IBC, 2021 EDITION; IMC 2021 EDITION; IFGG, 2021 EDITION AND THE NEC, 2020 EDITION, ALL AS ADOPTED AND AMENDED BY THE STATE OF UTAH AND THE LOCAL JURISDICTION.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP AND REMOVAL OF MECHANICAL DEBRIS.
- ARRANGE AND SCHEDULE INSPECTIONS IN A TIMELY MANNER WITH THE CONSTRUCTION SCHEDULE.
- UNLESS NOTED OTHERWISE, ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL AND SHALL CONFORM WITH THE SMACNA AND ASHRAE STANDARDS FOR THE PRESSURE CLASS OF DUCT BEING INSTALLED.
- UNLESS NOTED OTHERWISE, ALL SUPPLY AIR, RETURN AIR AND MAKE-UP AIR DUCTWORK INSTALLED IN UNCONDITIONED AREAS OF THE BUILDING, (THIS EXCLUDES RETURN AIR PLENUMS) SHALL BE INSULATED WITH R-8 FOIL FACED DUCT WRAP. EXHAUST DUCTS BETWEEN THE ENVELOPE THERMAL INSULATION AND THE BACKDRAFT DAMPER OF THE FAN SHALL BE INSULATED WITH R-8 FOIL FACED DUCT WRAP.
- MECHANICAL EQUIPMENT, MECHANICAL PIPING AND DUCTING SHALL BE SEISMICALLY BRACED WHERE REQUIRED IN CONFORMANCE WITH THE IBC, 2021 EDITION.
- ALL MECHANICAL EQUIPMENT SHALL BE UL LISTED.
- ALL REFRIGERATION EQUIPMENT SHALL BE ARI LISTED.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF CEILING REGISTERS, GRILLES AND DIFFUSERS.
- UNLESS NOTED OTHERWISE, ALL DUCT SIZES SHOWN ARE INSIDE (FINISHED) DIMENSIONS. INCREASE DUCT SIZES FOR LINER TYPE INSULATION AS REQUIRED.
- ALL CONCRETE WORK, ROOFING WORK, FRAMING AND INTERIOR FINISH WORK IS TO BE PERFORMED BY OTHERS UNDER THE DIRECTION OF THE PROJECT ARCHITECT AND THE SUPERVISION OF THE GENERAL CONTRACTOR.
- LOW PRESSURE INSULATED FLEXIBLE DUCTWORK USED FOR RUN-OUTS TO DIFFUSERS AND GRILLES SHALL BE LIMITED TO 60" IN LENGTH AND SHALL ONLY BE USED FOR THE FINAL CONNECTION OF RUN-OUT TO DIFFUSERS AND GRILLES.
- PROVIDE COMPLETE AIR BALANCING FOR ALL MECHANICAL SYSTEMS. AIR BALANCING AIR BALANCING SHALL BE PERFORMED BY AN AABC CERTIFIED OR NEBB CERTIFIED AIR BALANCING CONTRACTOR.
- THE HEATING AND COOLING SYSTEM(S) SHOWN ON THESE PLANS HAS BEEN DESIGNED USING COOLING LOAD METHODOLOGY TETD-TAI AND THIS MEETS OR EXCEEDS THE CALCULATION AND MODELING REQUIREMENTS OF ASHRAE 18S.
- THE HEATING AND COOLING SYSTEM DUCTWORK SHOWN ON THESE PLANS HAS BEEN DESIGNED USING EQUAL FRICTION IN ACCORDANCE WITH ASHRAE FUNDAMENTALS REQUIREMENTS.

Air Balance Notes

MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE AIR BALANCING FOR ALL MECHANICAL SYSTEMS. AIR BALANCING AIR BALANCING SHALL BE PERFORMED BY AN AABC CERTIFIED OR NEBB CERTIFIED AIR BALANCING CONTRACTOR.

- AIR FLOW VALUES INDICATED ARE BASED ON INITIAL LOAD MODEL. VALUES PROPORTIONALLY ADJUSTED FOR OBSERVED UNIT CAPACITY.
- FINAL AIR VOLUMES SHALL BE PROPORTIONALLY ADJUSTED BASED ON ACTUAL UNIT CAPACITY.
- AIR BALANCE CONTRACTOR SHALL RETURN 40 DAYS AFTER OCCUPANCY TO ADJUST FINAL AIR VALUES BASED ON TENANT USE AND ZONE REQUIREMENTS.

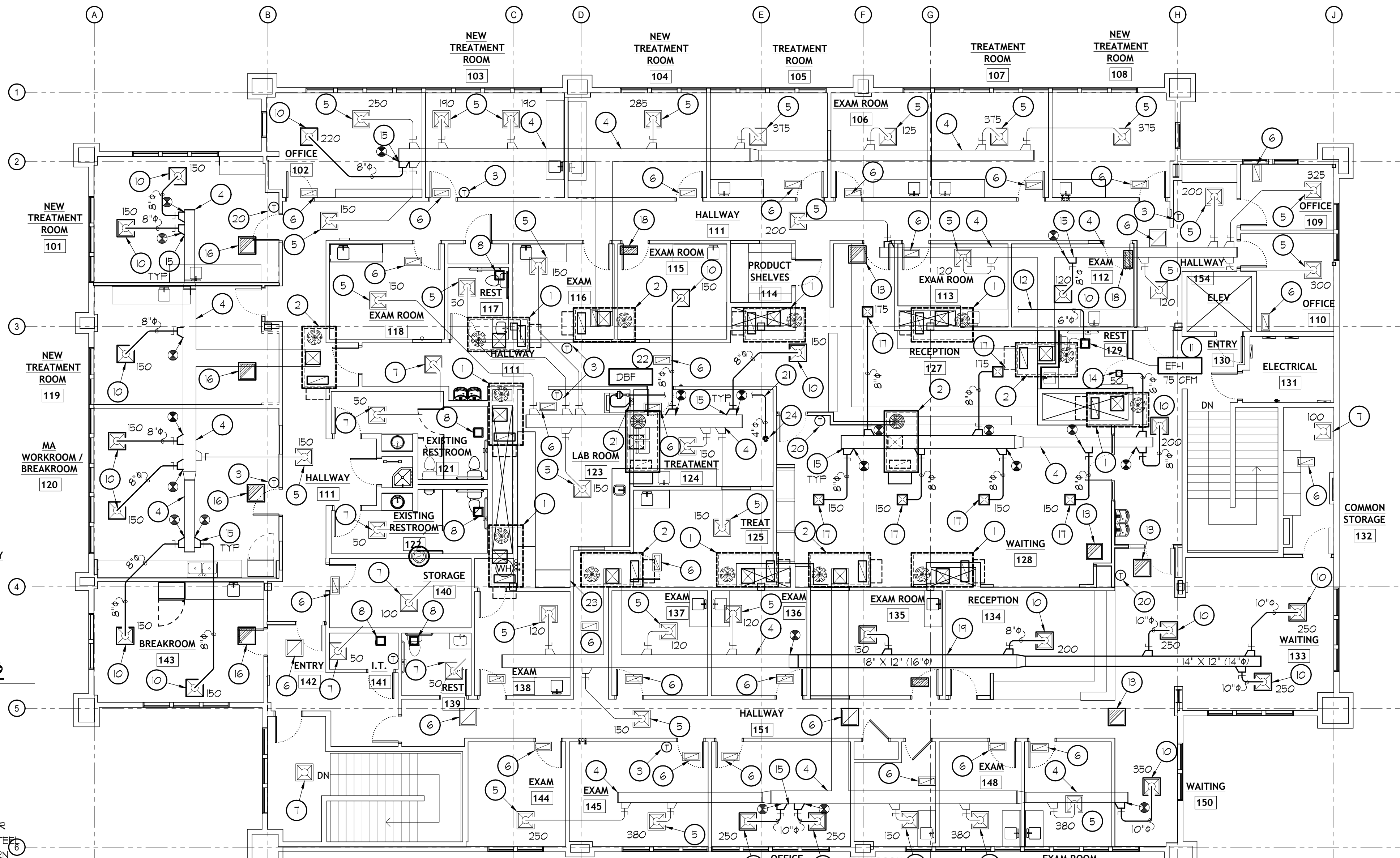
Keyed Reference Notes

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- EXISTING CURB MOUNTED PACKAGED ROOFTOP UNIT SERVING UPPER FLOOR LEVEL TO REMAIN. REVIEW EXISTING MECHANICAL SYSTEMS NOTES FOR UNIT SERVICE AS PART OF THIS SCOPE OF WORK.
- OBSERVED LOCATION OF EXISTING WALL MOUNTED THERMOSTAT. FIELD VERIFY LOCATION AND EQUIPMENT SERVED. SEE EXISTING BUILDING MECHANICAL NOTES.
- APPROXIMATE LOCATION AND ROUTING OF EXISTING TRUNK DUCT. FIELD VERIFY LOCATION, SIZING AND ROUTING.
- EXISTING SUPPLY AIR DIFFUSER TO REMAIN. SEE EXISTING MECHANICAL SYSTEMS NOTES SHEET MD-101. BALANCE TO CFM SHOWN.
- EXISTING CEILING MOUNTED RETURN AIR GRILLE FOR CEILING PLENUM RETURN TO REMAIN. SEE EXISTING MECHANICAL SYSTEMS NOTES SHEET MD-101.
- OBSERVED LOCATION OF EXISTING SUPPLY AIR DIFFUSER TO REMAIN. BRANCH DUCT ORIGIN AND CONNECTION COULD NOT BE VERIFIED. FIELD VERIFY BRANCH DUCT ORIGIN AND ROUTING. RECORD FOR FUTURE REFERENCE.
- OBSERVED LOCATION OF EXISTING CEILING MOUNTED EXHAUST AIR FAN TO REMAIN. FIELD VERIFY EXHAUST DUCT ROUTING, SIZING AND LOCATION. SEE EXISTING MECHANICAL SYSTEMS NOTES SHEET MD-101.
- OBSERVED LOCATION OF EXISTING THERMOSTAT FOR EXHAUST FAN CONTROL. FIELD VERIFY CONTROL OPERATION AND CONNECTIONS. SEE EXISTING MECHANICAL SYSTEMS NOTES SHEET MD-101.
- SUPPLY AIR DIFFUSER IN LAY-IN TYPE CEILING. SCHEDULE TAG CD-1, 4-WAY STEP CONE STYLE. NECK SIZE EQUALS BRANCH DUCT SIZE. STANDARD WHITE FINISH. BALANCE TO CFM SHOWN. SEE REFLECTED CEILING PLAN FOR EXACT LOCATION.
- PROVIDE AND INSTALL CEILING MOUNTED REST ROOM EXHAUST FAN. COORDINATE WITH REFLECTED CEILING PLAN. SWITCH FAN WITH LIGHTS. PROVIDE MANUFACTURERS TIME OFF DELAY ACCESSORY AND SPEED CONTROL. LINE VOLTAGE WIRING BY ELECTRICAL CONTRACTOR. SEE EQUIPMENT SCHEDULES FOR ADDITIONAL INFORMATION.
- EXTEND NEW 6" DIA. EXHAUST AIR DUCT THROUGH CEILING CAVITY AND CONNECT TO EXISTING EXHAUST DUCT RISER / POINT OF CONNECTION. FIELD VERIFY EXACT LOCATION AND ROUTING.
- PROVIDE AND INSTALL 20" X 20" (NOMINAL) EGGRATE TYPE RETURN AIR GRILLE IN GYP. BD. CEILING WITH SOUND ATTENUATION PLENUM. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLAN.
- PROVIDE SUPPLY AIR DIFFUSER TYPE CD-2 IN GYP. BD. CEILING. PROVIDE O.B.D. 4-WAY BLOW, 6" X 6" NECK, STEP LOUVER TYPE. STANDARD WHITE FINISH. PROVIDE ADAPTER / DUCT CONNECTION PLENUM. SEE REFLECTED CEILING PLAN FOR EXACT LOCATION.
- EXTEND NEW SUPPLY AIR BRANCH DUCT THROUGH CEILING CAVITY AND CONNECT TO EXISTING TRUNK. PROVIDE HIGH EFFICIENCY TAKE-OFF AND SEAL TO 2" PRESSURE CLASS. TYPICAL OF ALL NEW BRANCH DUCT CONNECTIONS.
- PROVIDE AND INSTALL 24" X 24" (NOMINAL) EGGRATE TYPE RETURN AIR GRILLE IN LAY-IN CEILING WITH SOUND ATTENUATION PLENUM. COORDINATE EXACT LOCATION WITH REFLECTED CEILING PLAN.

Existing Return Air Plenum

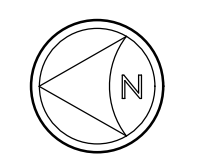
THE CEILING CAVITY IN THIS STRUCTURE IS BEING USED AS A RETURN AIR PLENUM.

- PLENUM CONSTRUCTION MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF 2021 IBC 703.5
- ALL MATERIALS INSTALLED IN CEILING CAVITY SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPMENT INDEX OF NOT MORE THAN 50 AS PER IMC SECTION 602.2.1.
- WIRES AND CABLES AND OPTICAL FIBER CABLES EXPOSED WITHIN A PLENUM SHALL BE PLENUM-RATED OR OTHERWISE MEET THE REQUIREMENTS OF IMC 602.2.1.1.



Upper Level Mechanical Floor Plan

SCALE: 1/8"=1'-0"



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CONSULTANT INFORMATION

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PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
4252 S. HIGHLAND DRIVE - SUITE 100
MILLCREEK, UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
DATE: 9 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: RD
PW / PA: PS

DRAWING SET STATUS
COORDINATION PLANS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR
SHEET TITLE

UPPER LEVEL MECHANICAL FLOOR PLAN

SHEET NUMBER
M-101

Keyed Reference Notes

- ① EXISTING CURB MOUNTED PACKAGED ROOFTOP UNIT SERVING LOWER LEVEL TO REMAIN. UNIT SHOWN FOR COORDINATION PURPOSES ONLY. UNIT CAPACITY INDICATED IS BASED ON INITIAL OBSERVATIONS AND HAS NOT BEEN CONFIRMED. UNIT SERVICE AND VERIFICATION IS NOT INCLUDED IN THIS SCOPE OF WORK.
- ② EXISTING CURB MOUNTED PACKAGED ROOFTOP UNIT SERVING UPPER FLOOR LEVEL TO REMAIN. UNIT CAPACITY INDICATED IS BASED ON INITIAL OBSERVATIONS AND HAS NOT BEEN CONFIRMED. REVIEW EXISTING MECHANICAL SYSTEMS NOTES FOR UNIT SERVICE AS PART OF THIS SCOPE OF WORK.
- ③ EXISTING ROOF MOUNTED AIR COOLED CONDENSING UNIT SERVING LOWER LEVEL TO REMAIN. UNIT SHOWN FOR COORDINATION PURPOSES ONLY. UNIT CAPACITY INDICATED IS BASED ON INITIAL OBSERVATIONS AND HAS NOT BEEN CONFIRMED. UNIT SERVICE AND VERIFICATION IS NOT INCLUDED IN THIS SCOPE OF WORK.
- ④ EXISTING ROOF ACCESS HATCH AND STAIR ASSEMBLY.
- ⑤ OBSERVED LOCATION OF EXISTING PLUMBING VENT THROUGH ROOF TO ATMOSPHERE.
- ⑥ EXISTING ROOF DRAINS SHOWN FOR COORDINATION PURPOSES ONLY.
- ⑦ EXISTING ROOF DRAINS SHOWN FOR COORDINATION PURPOSES ONLY.
- ⑧ EXISTING CURB MOUNTED EXHAUST HOOD / EXHAUST FAN TO REMAIN. UNIT SIZE AND SYSTEM(S) SERVED HAS NOT BEEN CONFIRMED. REVIEW EXISTING MECHANICAL SYSTEMS NOTES FOR UNIT SERVICE AS PART OF THIS SCOPE OF WORK.
- ⑨ EXISTING CURB MOUNTED EXHAUST FAN TO REMAIN. UNIT SIZE AND SYSTEM(S) SERVED HAS NOT BEEN CONFIRMED. IT IS ANTICIPATED THAT THIS FAN SERVES AS RELIEF AIR FOR THE BUILDING. CONFIRM UNIT SIZE, CAPACITY, SYSTEM(S) SERVED AND CONTROLS. REVIEW EXISTING MECHANICAL SYSTEMS NOTES FOR UNIT SERVICE AS PART OF THIS SCOPE OF WORK.
- ⑩ EXISTING EXHAUST AIR DUCT THROUGH ROOF TO WEATHER PURPOSES.
- ⑪ EXISTING LOUVER / VENT THROUGH PARAPET / WALL TO REMAIN. PURPOSE AND INTENT OF THIS EQUIPMENT IS UNKNOWN. SHOWN FOR COORDINATION PURPOSES.
- ⑫ 4" DRYER VENT UP THROUGH ROOF PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.



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CONSULTANT INFORMATION

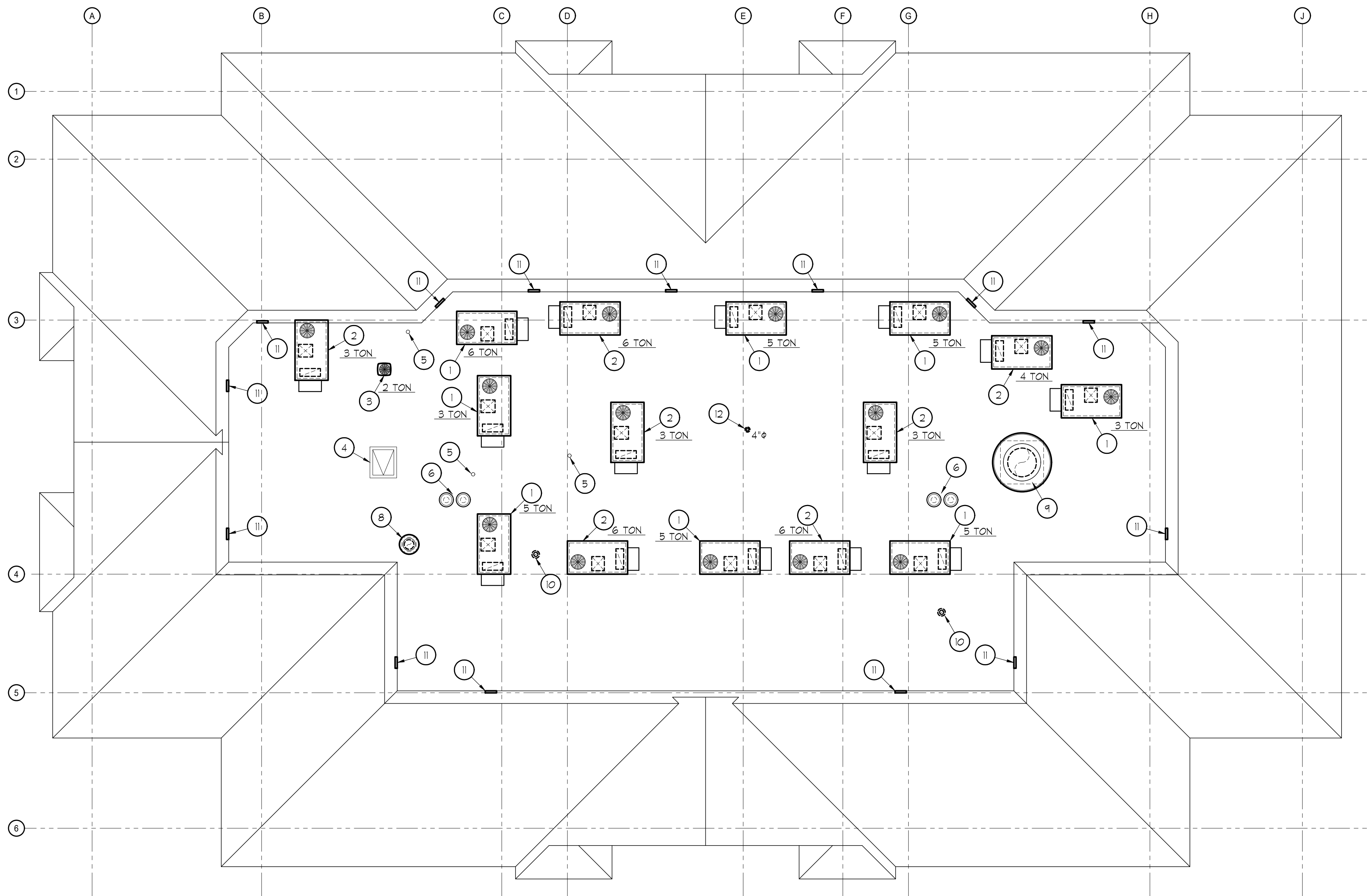
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A

B

C

D



PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY

4252 S HIGHLAND DRIVE - SUITE XX
MILLCREEK, UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
DATE: 9 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: RD
PM / PA: PS

DRAWING SET STATUS
COORDINATION PLANS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

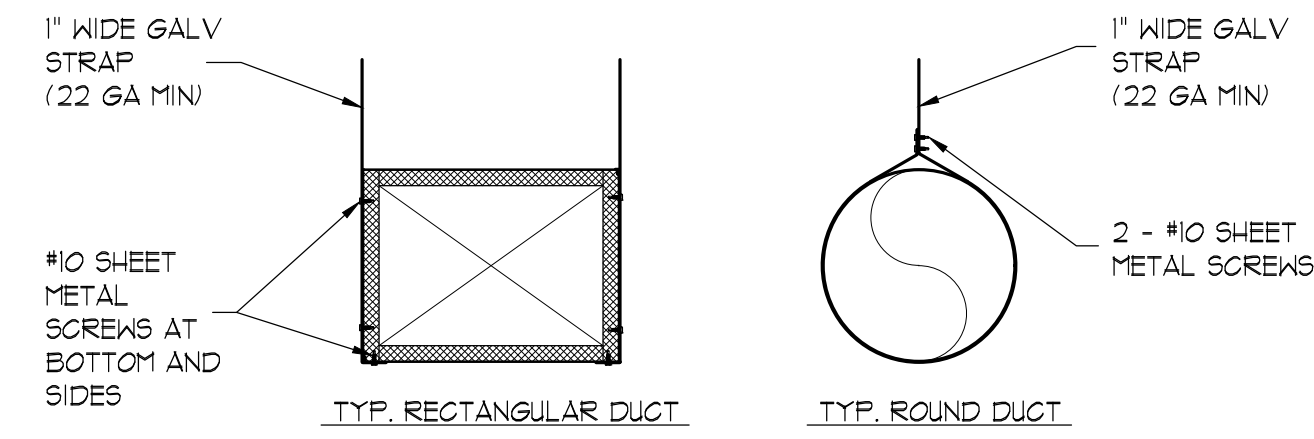
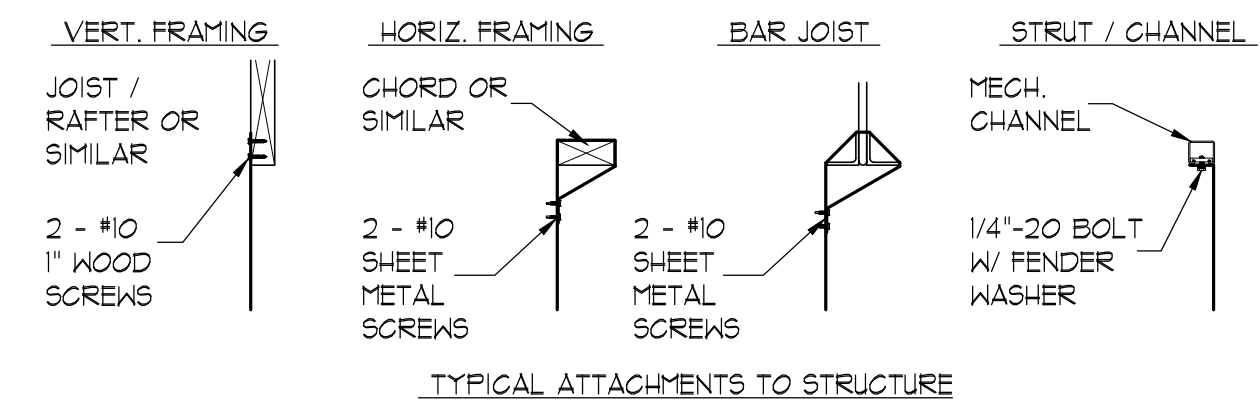
SHEET TITLE
ROOF LEVEL MECHANICAL PLAN

SHEET NUMBER
M-102

Roof Level Mechanical Plan

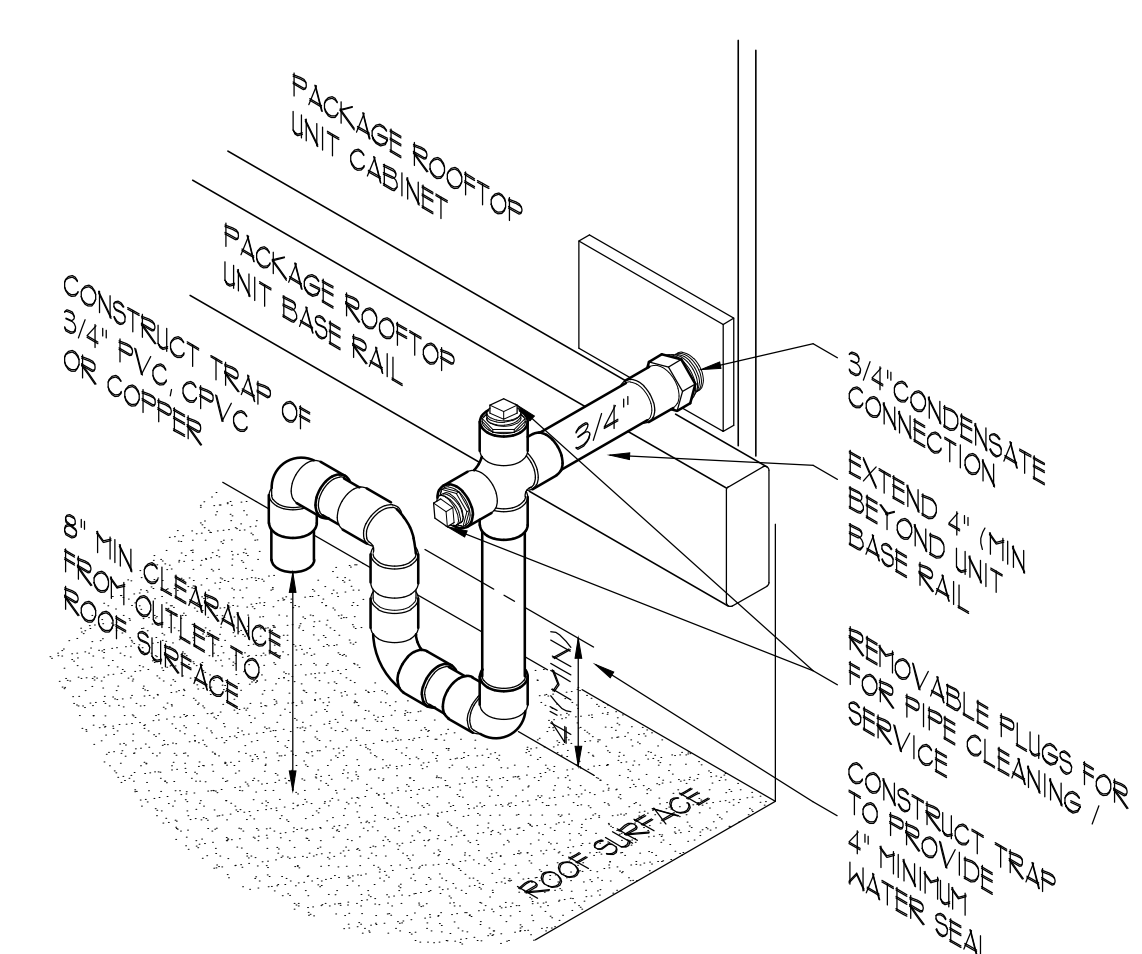
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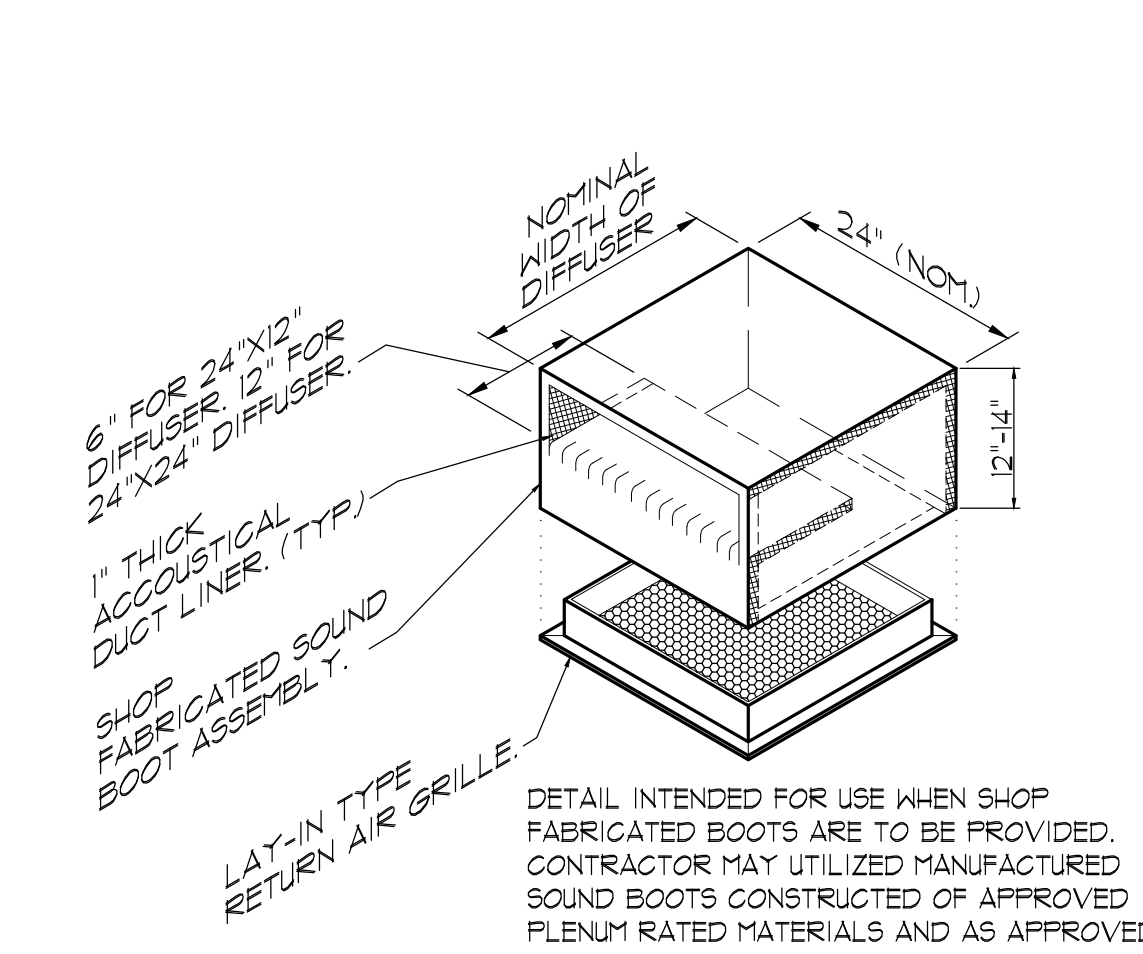


NOTE: ALL DUCT CONSTRUCTION AND INSTALLATION SHALL CONFORM TO SMACNA "DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE" 4TH EDITION, 2021. IMC REQUIREMENTS FOR DUCT INSTALLATION AND 2021 IBC SEISMIC REQUIREMENTS

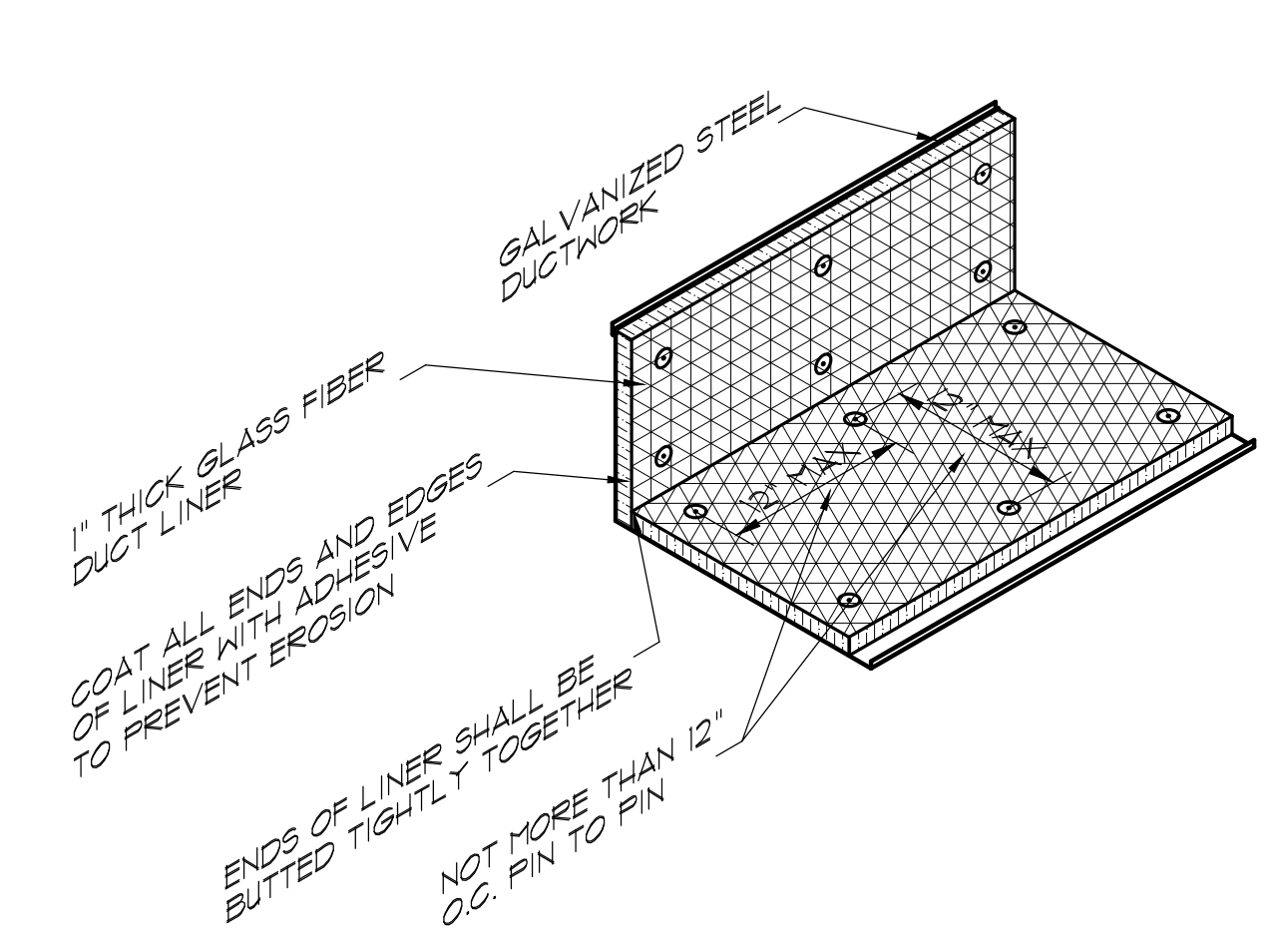
1 Typical Duct Supports Detail
M-501 NO SCALE



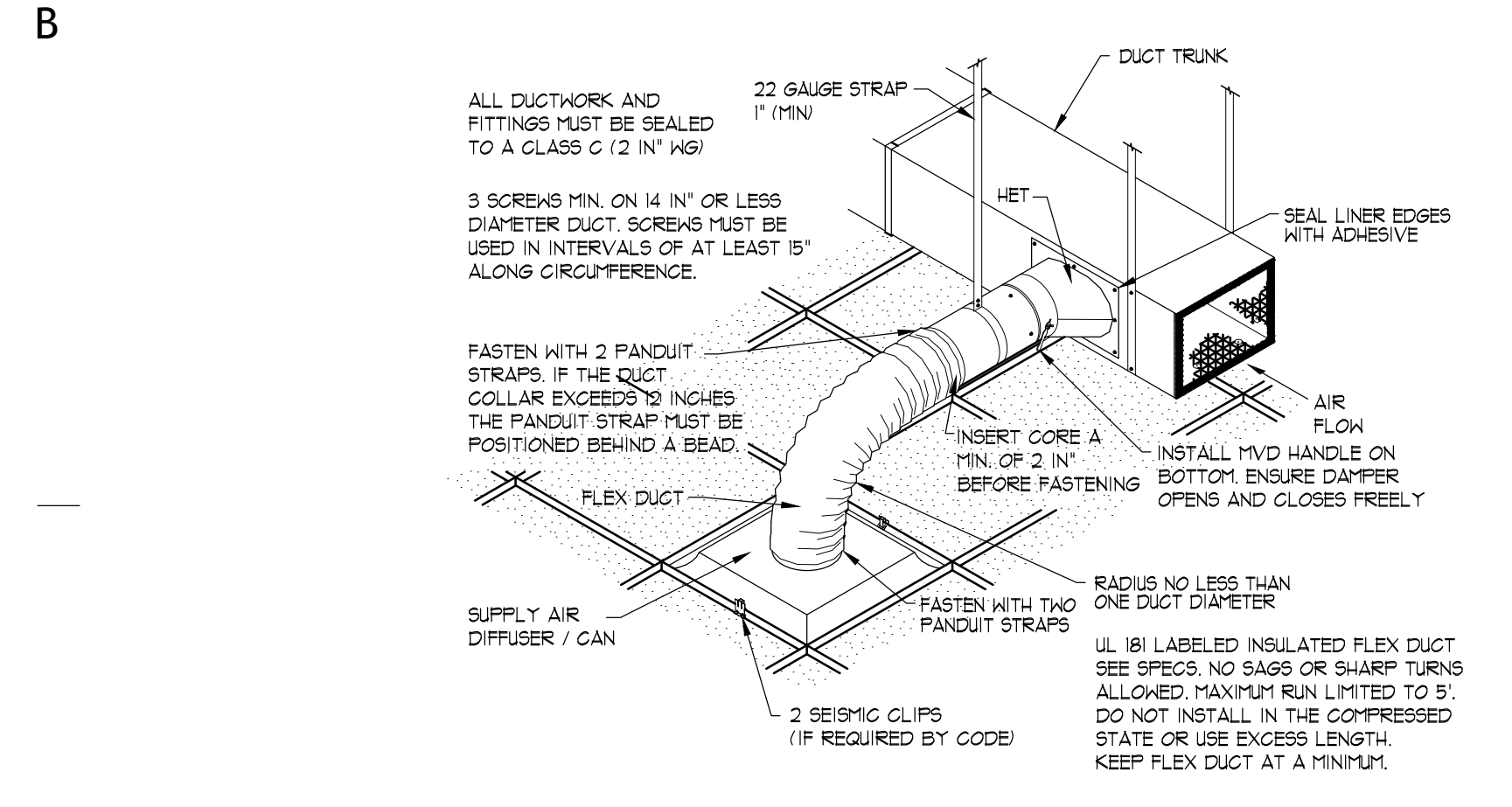
2 RTU Condensate Trap Detail
M-501 NO SCALE



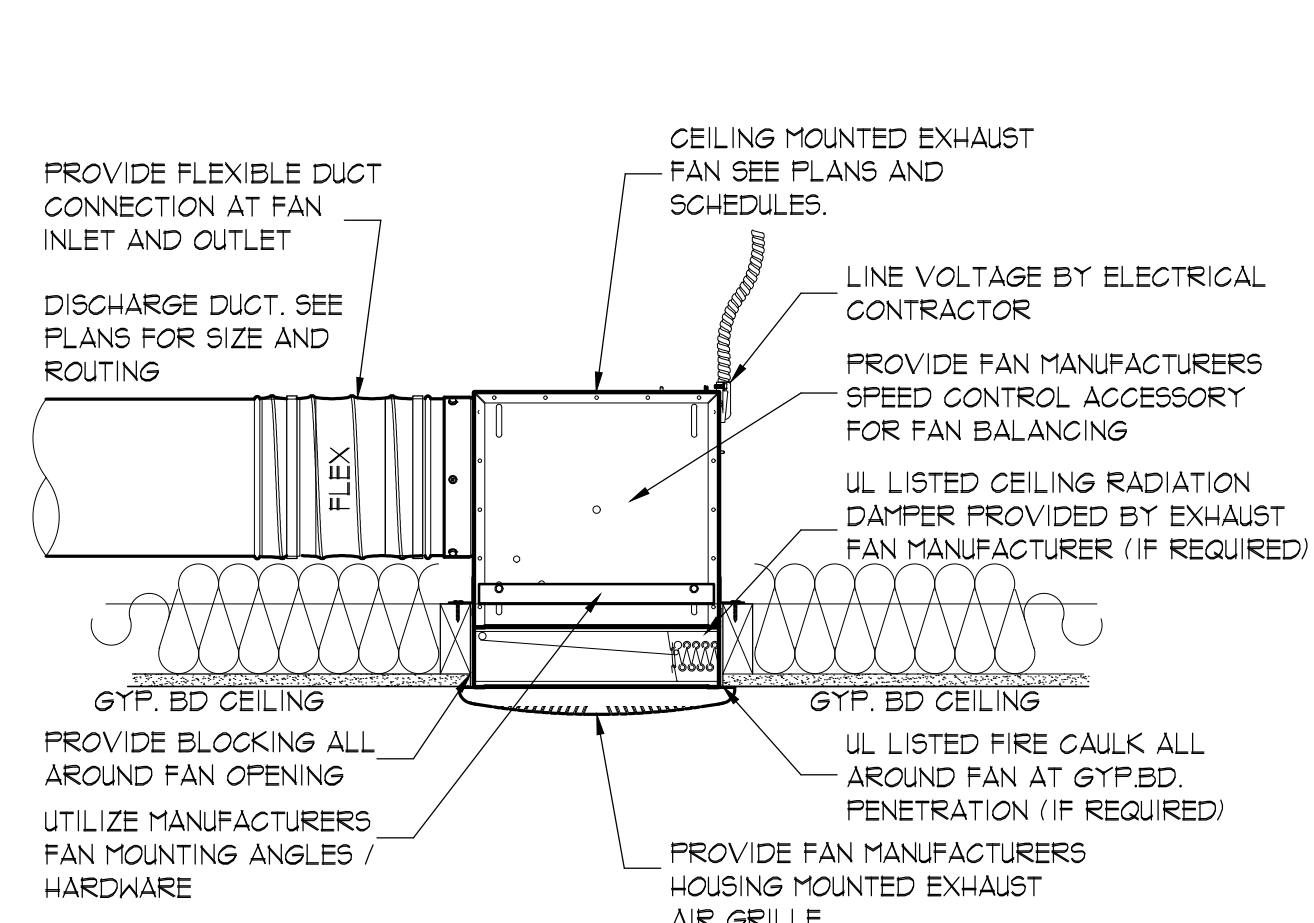
3 Return Air Sound Boot Detail
M-2 NO SCALE



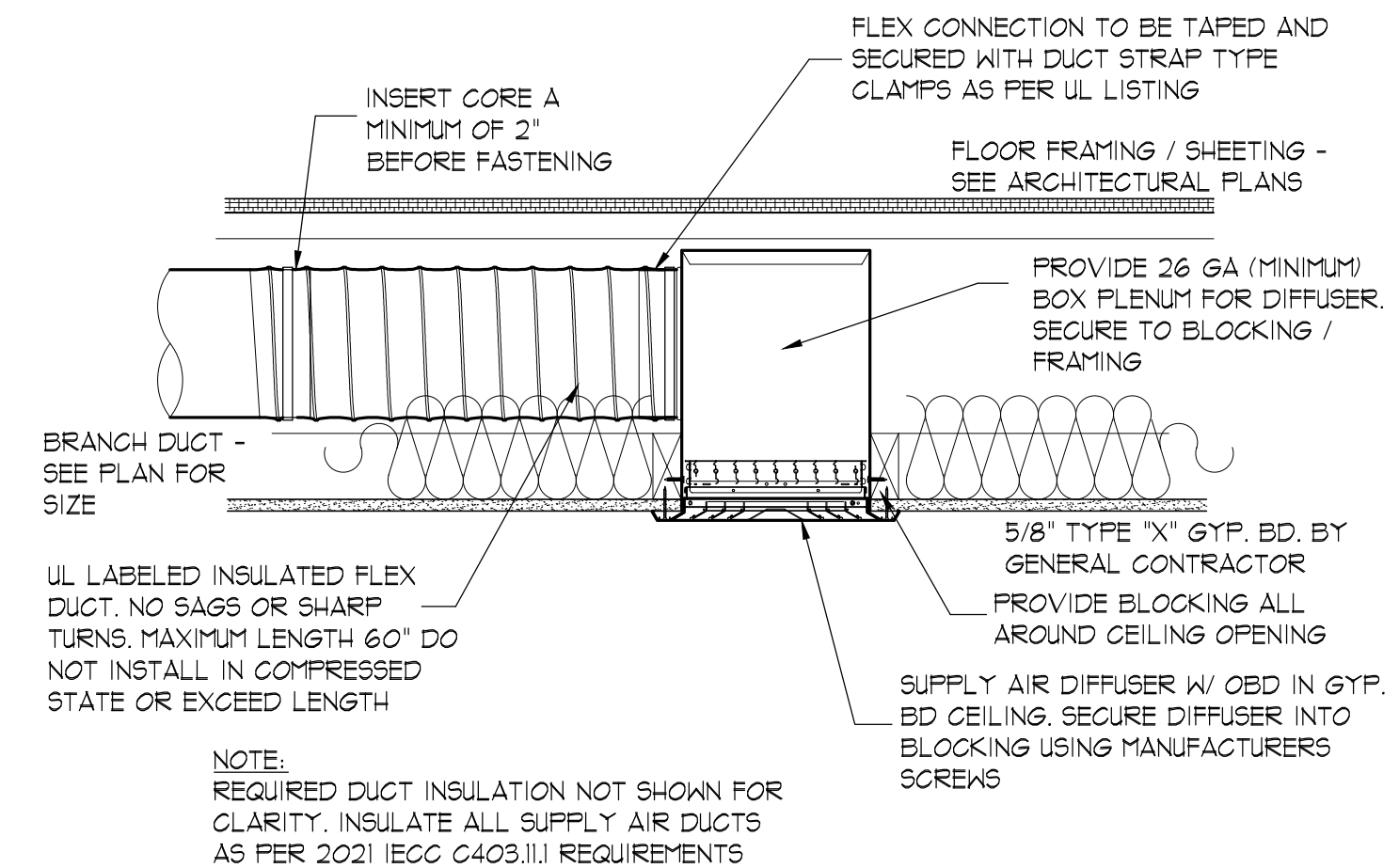
4 Duct Liner Detail
M-501 NO SCALE



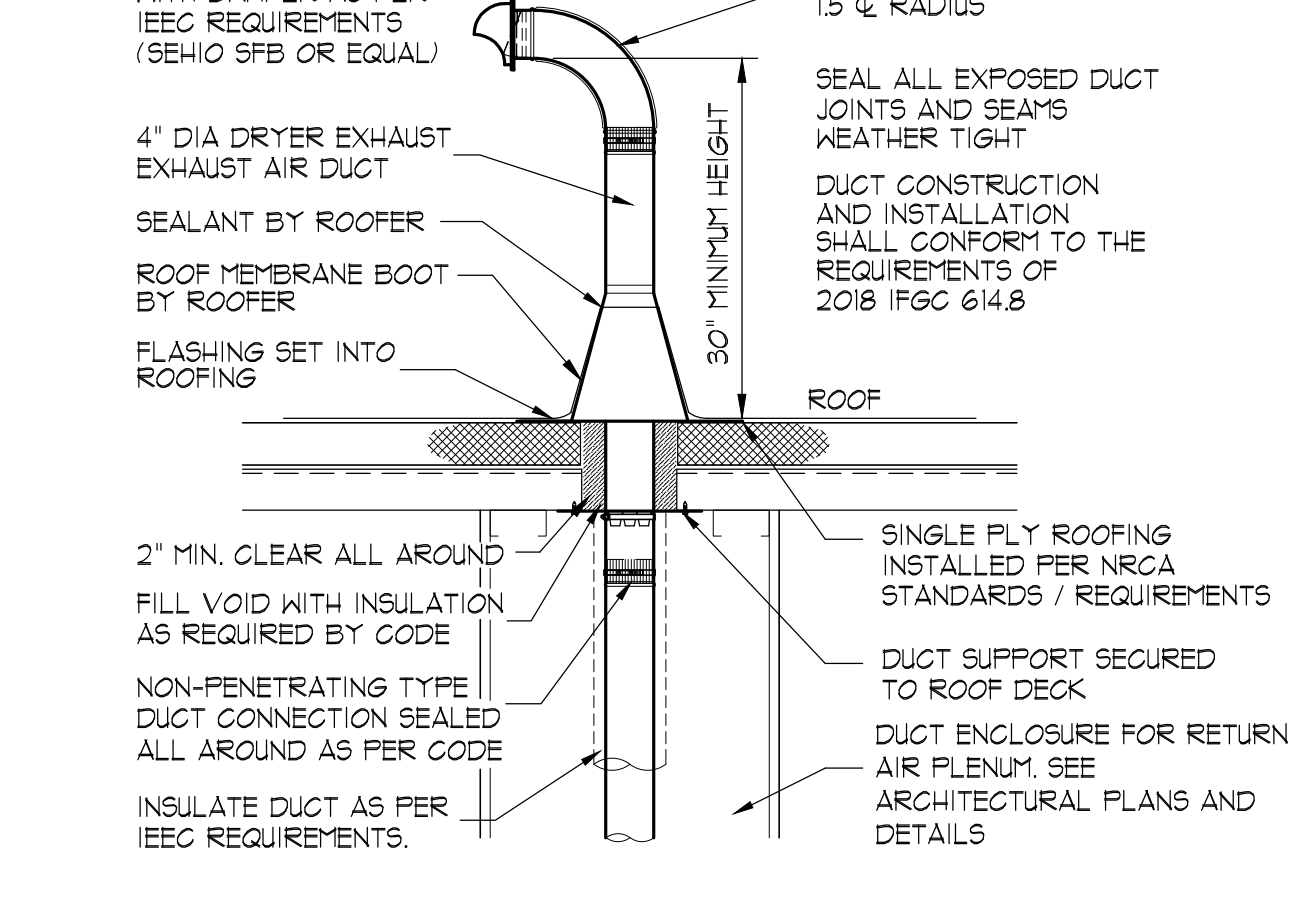
5 Flex Connection with HETO
M-501 NO SCALE



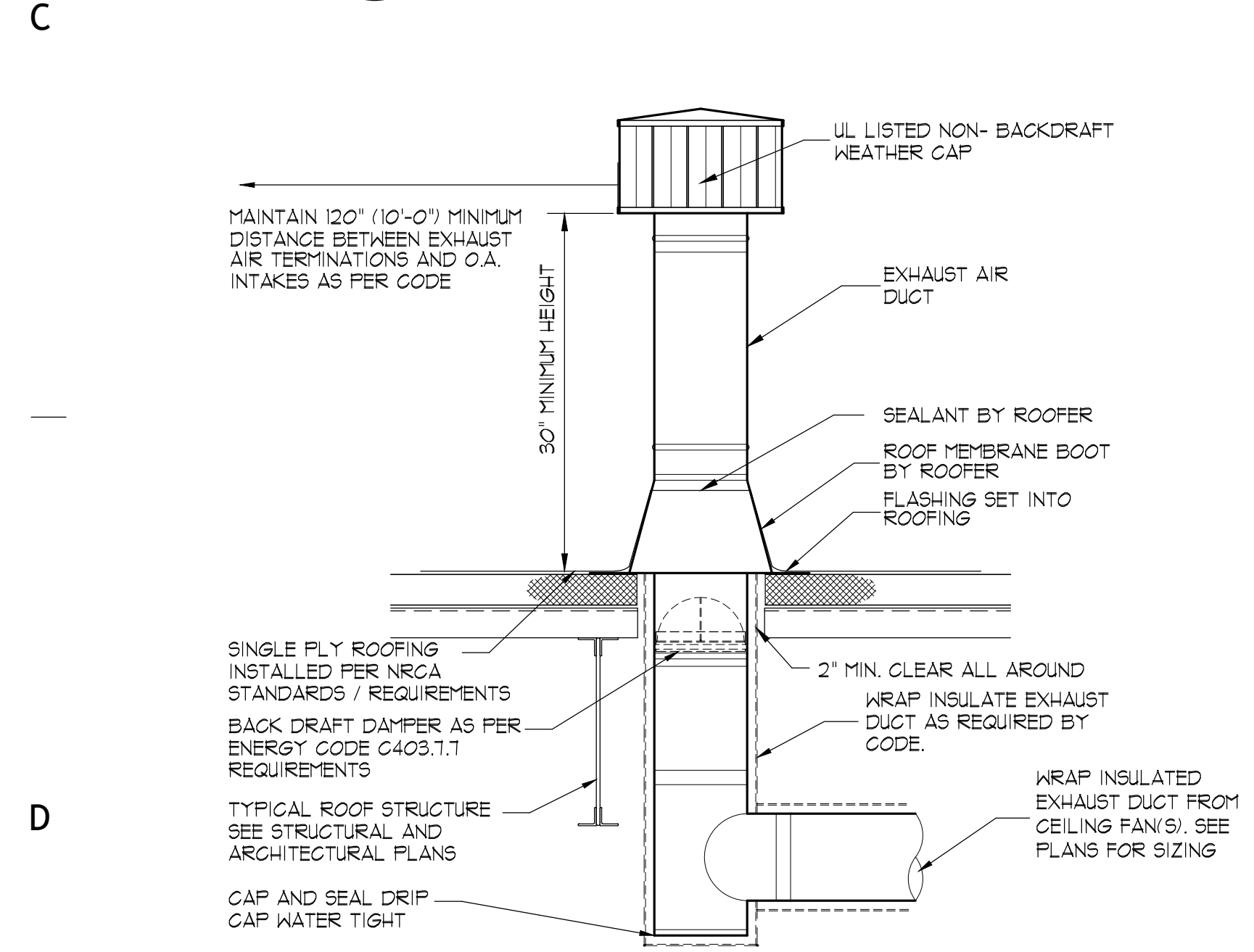
6 Ceiling Exhaust Fan Detail
M-501 NO SCALE



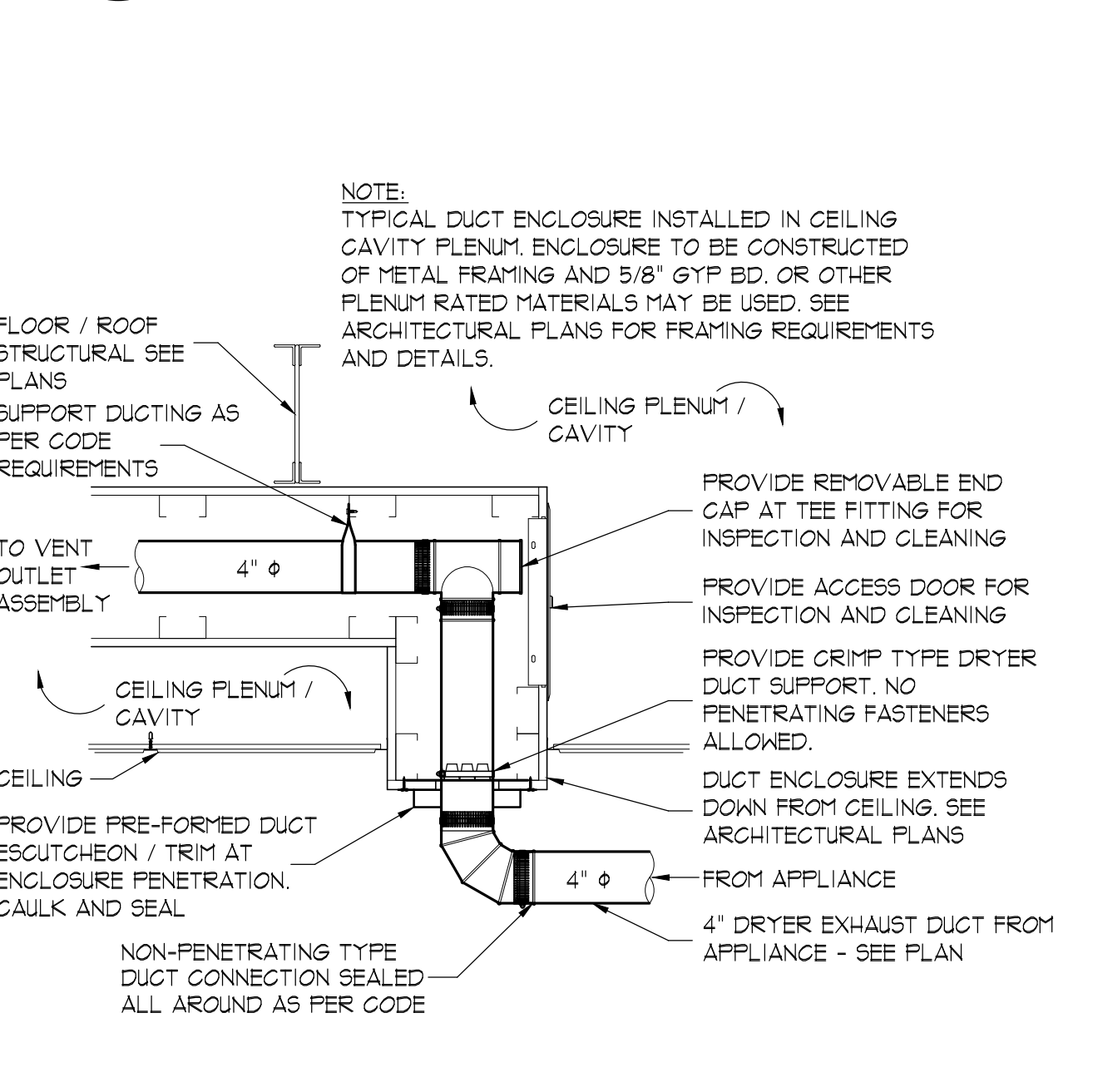
7 SA Diffuser at Non-Rated Ceiling
M-501 NO SCALE



8 Dryer Vent Through Roof
M-501 NO SCALE



9 Exhaust Duct Through Roof
M-501 NO SCALE



10 Dryer Vent Enclosure Detail
M-501 NO SCALE

CORE ARCHITECTURE
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PROFESSIONAL STAMP
STATE OF UTAH ENGINEER
CHARLES LUSH
No. 155425
December 9, 2022
PROFESSIONAL ENGINEER

CONSULTANT INFORMATION
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PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
4252 S. HIGHLAND DRIVE - SUITE XX
MILLCREEK, UT - 84124

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION
DATE: 9 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: RD
PM / PA: PS

DRAWING SET STATUS
COORDINATION PLANS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR
SHEET TITLE

MECHANICAL DETAILS

SHEET NUMBER
M-501

Outside Air Settings Schedule

Table with columns: ROOM OR ZONE SERVED, SYSTEM TAG, AREA AZ (SQ. FT.), OCCUPANT DENSITY (#/1000 SF), NUMBER OF PEOPLE, PEOPLE O.A. RATE (CFM/PER), O.A. RATE (CFM/SF), EXHAUST AIR RATE (CFM / SF), REQ. BREATHING ZONE O.A. V.B.Z (CFM), ZONE AIR DIST. EFF. EZ, ZONE O.A. RATE V.O.Z (CFM), SUPPLY AIR (CFM), SUPPLY AIR (CFM/ SQ.FT.), SYSTEM SETTING O.A. CFM, % O.A. (O.A. / S.A.), OUTSIDE AIR (CFM/ SQ.FT.), EXHAUST AIR (CFM), EXHAUST AIR (CFM/ SQ.FT.), NOTES. Includes rows for various rooms like 101 TREATMENT, 111 HALLWAY, etc.

A

B

C

Outside Air Settings Schedule

Table with columns: ROOM OR ZONE SERVED, SYSTEM TAG, AREA AZ (SQ. FT.), OCCUPANT DENSITY (#/1000 SF), NUMBER OF PEOPLE, PEOPLE O.A. RATE (CFM/PER), O.A. RATE (CFM/SF), EXHAUST AIR RATE (CFM / SF), REQ. BREATHING ZONE O.A. V.B.Z (CFM), ZONE AIR DIST. EFF. EZ, ZONE O.A. RATE V.O.Z (CFM), SUPPLY AIR (CFM), SUPPLY AIR (CFM/ SQ.FT.), SYSTEM SETTING O.A. CFM, % O.A. (O.A. / S.A.), OUTSIDE AIR (CFM/ SQ.FT.), EXHAUST AIR (CFM), EXHAUST AIR (CFM/ SQ.FT.), NOTES. Includes rows for various rooms like 121 RECEPTION, 128 WAITING, etc.

(1) PER IMC TABLE 403.3 CORRIDOR O.A. MINIMUM IS 0.06 CFM / SQ.FT.
(2) THIS SYSTEM HAS A DIRECT CONNECTION FOR OUTSIDE AIR
(3) ROOM / AREA O.A. REQUIREMENTS ARE MET VIA TRANSFER AIR TO MAINTAIN PROPER SPACE PRESSURE RELATIONSHIP(S)
(4) POPULATION ADJUSTED FOR AVAILABLE SEATING
(5) THIS UNIT / SYSTEM PROVIDED WITH DEMAND CONTROL VENTILATION OVERRIDE

Register, Grille and Diffuser Schedule

Table with columns: SYMBOL, BASIS OF DESIGN *, TYPE, SIZE, PATTERN, DESCRIPTION. Includes rows for CD-1, CD-2, RG-1, RG-2, RG-3.

* APPROVED MANUFACTURERS: PRICE CO.; TUTTLE & BAILEY; NAILOR CO.; TITUS CO.

Rest Room Exhaust Fan Schedule

Table with columns: SYMBOL, TOILET ROOM, DESCRIPTION, CAPACITY, MOTOR, BASIS OF DESIGN. Includes row for EF-1.

Clothes Dryer Vent Booster Fan

Table with columns: SYMBOL, DESCRIPTION, RATINGS, MOTOR, MANUFACTURER. Includes row for DBF.



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PROJECT TITLE AND ADDRESS: MILLCREEK DERMATOLOGY 4252 S. HIGHLAND DRIVE - SUITE XX MILLCREEK - UT - 84124

Table with columns: REVISIONS, DESCRIPTION, DATE. Includes a header row and several empty rows.

PROJECT INFORMATION DATE: 9 DECEMBER 2025 PROJECT #: 25-088 DRAWN BY: RD PM / PA: PS

DRAWING SET STATUS COORDINATION PLANS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR SHEET TITLE

MECHANICAL SCHEDULES

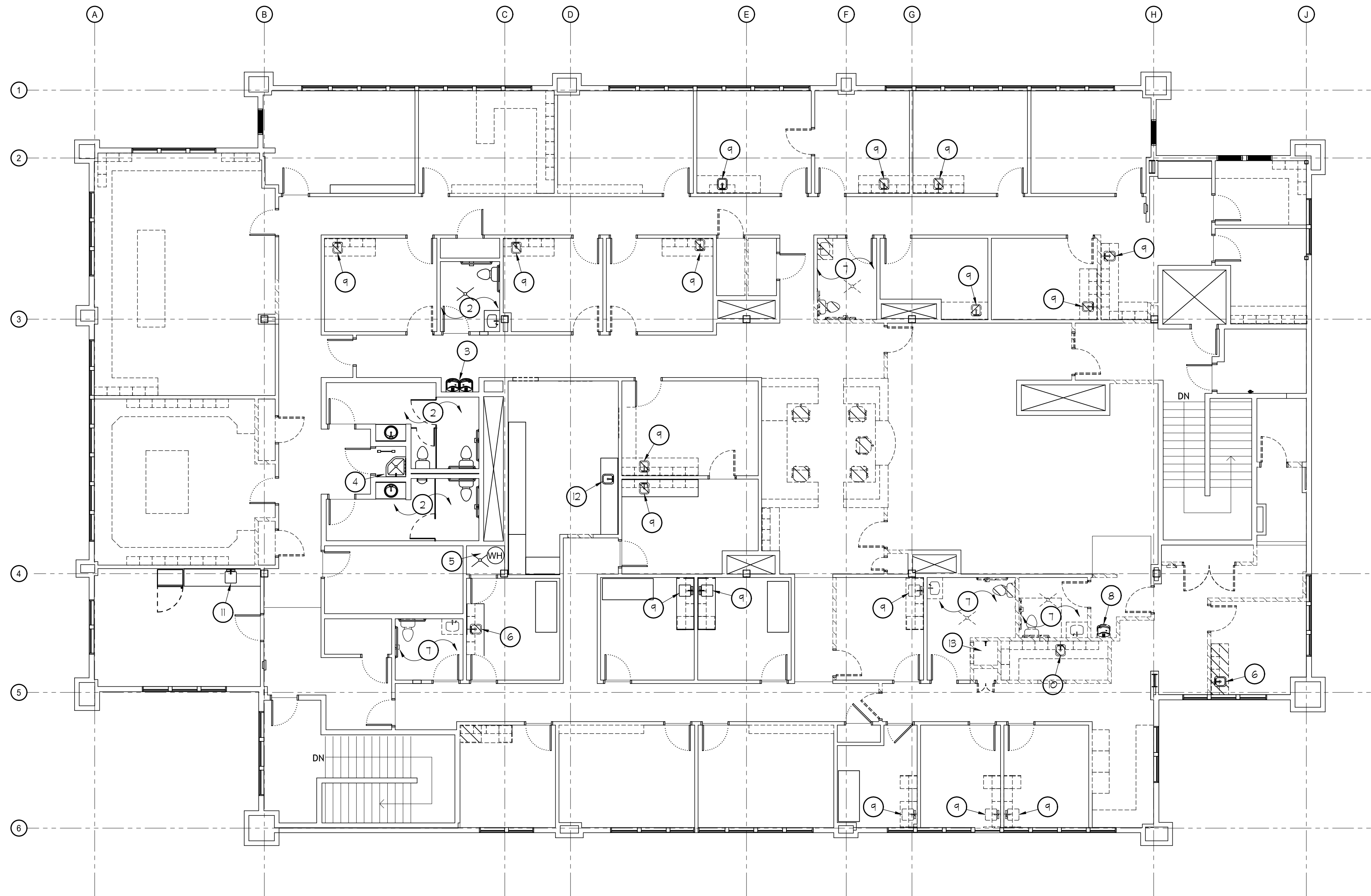
SHEET NUMBER M-601

Existing Plumbing Notes

- 1- ALL FIXTURES NOT REMOVED FOR DEMOLITION OR RELOCATION SHALL BE INSPECTED AND SERVICED INCLUDING BUT NOT LIMITED TO:
 - A- FAUCET SERVICE / REPAIR INCLUDING CLEANING AND / OR REPLACEMENT OF ALL FAUCET AERATORS AND INSPECTION FOR LEAKS.
 - B- SERVICE FOR ALL LAVATORIES / SINKS INCLUDING VERIFICATION OF SECURE MOUNTING, CAULKING AND / OR GROUTING.
 - C- CLEANING OF ALL SINK TRAPS AND INSPECTION FOR LEAKS.
 - D- REPLACEMENT OF ALL BATTERIES IN AUTOMATIC FAUCET CONTROLLERS.
 - E- REPLACEMENT OF ALL WATER FILTERS IN FIXTURES INCLUDING REFRIGERATORS, WATER COOLERS, BOTTLE FILLERS, BEVERAGE MACHINES AND LABORATORY SERVICE OUTLETS.
 - F- CLEANING AND INSPECTION OF ALL FLOOR DRAINS AND FLOOR SINKS INCLUDING THE P-TRAPS AND VERIFICATION OF TRAP GUARDS.
 - G- SERVICE FOR ALL TOILET TANKS INCLUDING CLEANING AND REMOVAL OF FOREIGN MATTER, VERIFICATION OF FLUSH VALVE OPERATION AND FILL VALVE ADJUSTMENT.
 - H- SERVICE FOR ALL TOILET BOWLS INCLUDING VERIFICATION OF SOLID INSTALLATION, PROVISION OR REPLACEMENT OF MOUNTING HARDWARE.
 - I- SERVICE FOR ALL TOILET AND URINAL FLUSH VALVES INCLUDING VERIFICATION OF PROPER OPERATION.
- 2- ALL FIXTURES REMOVED FOR RELOCATION SHALL BE INSPECTED AND SERVICED AS LISTED ABOVE REGARDING FIXTURES TO REMAIN PRIOR TO RELOCATION.
- 3- ALL FIXTURES AND EQUIPMENT REMOVED FOR DEMOLITION SHALL BE DELIVERED TO THE GENERAL CONTRACTOR FOR FINAL DISPOSITION.
- 4- ALL WATER, SEWER AND GAS PIPING BEING TAKEN OUT OF SERVICE SHALL BE COMPLETELY REMOVED FROM THE STRUCTURE. THIS INCLUDES ALL RELATED HANGARS AND SUPPORTS, NO ABANDONED PIPING TO REMAIN.
- 5- ALL CAPPED SANITARY SEWER AND VENT LINES SHALL BE CAPPED / SEALED IN A MANNER TO AVOID POSSIBLE ACCUMULATION OF WATER OR DEBRIS, NO DEAD END PIPING ALLOWED.
- 6- ALL CAPPED WATER LINES SHALL BE CAPPED / SEALED IN A MANNER TO AVOID DEAD END OR UNCIRCULATED CONDITIONS.
- 7- WATER HEATERS NOTED TO REMAIN IN SERVICE SHALL BE INSPECTED FOR PROPER INSTALLATION INCLUDING
 - A- INSTALLATION OF SEISMIC RESTRAINTS
 - B- T4P VALVE DISCHARGE LOCATION
 - C- DRIP PAN OR OTHER APPROVED DRAINAGE.
 - D- SERVICE CLEARANCES
 - E- HEATING OPERATION SETTINGS
 - F- PROPER OPERATION OF CIRCULATOR(S)
 - G- PROPER OPERATION AND EVALUATED FOR CONTINUED SERVICE. FINDINGS SHALL BE REPORTED TO THE GENERAL CONTRACTOR FOR FURTHER ACTION IF REQUIRED.

Existing Return Air Plenum

- THE CEILING CAVITY IN THIS STRUCTURE IS BEING USED AS A RETURN AIR PLENUM.
- 1- PLENUM CONSTRUCTION MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF 2021 IBC 703.5
 - 2- ALL MATERIALS INSTALLED IN CEILING CAVITY SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPMENT INDEX OF NOT MORE THAN 50 AS PER IMC SECTION 602.2.1.
 - 3- WIRES AND CABLES AND OPTICAL FIBER CABLES EXPOSED WITHIN A PLENUM SHALL BE PLENUM-RATED OR OTHERWISE MEET THE REQUIREMENTS OF IMC 602.2.1.1.



Keyed Reference Notes

- 1 EXISTING EXAM ROOM SINK AND FAUCET ASSEMBLY TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 2 EXISTING REST ROOM FIXTURES TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 3 EXISTING ELECTRIC WATER COOLER TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 4 EXISTING JANITORS MOP SINK AND SHELF MOUNTED ELECTRIC WATER HEATER TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 5 EXISTING 40 GALLON UPRIGHT ELECTRIC WATER HEATER AND CIRCULATOR TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 6 EXISTING EXAM ROOM HAND SINK TO BE REMOVED. SEE EXISTING FIXTURE NOTES.
- 7 EXISTING REST ROOM PLUMBING FIXTURES TO BE REMOVED. SEE EXISTING FIXTURE NOTES.
- 8 EXISTING SINGLE STATION ELECTRIC WATER COOLER TO BE REMOVED. SEE EXISTING FIXTURE NOTES.
- 9 EXISTING EXAM ROOM HAND SINK TO BE REMOVED. SEE EXISTING FIXTURE NOTES. PLUMBING FOR THIS FIXTURE TO BE EXTENDED TO NEW HAND SINK LOCATION. SEE PLUMBING FLOOR PLAN.
- 10 EXISTING WORK SINK TO BE REMOVED. SEE EXISTING FIXTURE NOTES.
- 11 EXISTING BREAK ROOM SINK TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 12 EXISTING LAB WORK SINK TO REMAIN. SEE EXISTING FIXTURE NOTES.
- 13 EXISTING SHOWER FAUCET AND DRAIN TO REMAIN. SEE EXISTING FIXTURE NOTES.



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CONSULTANT INFORMATION

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PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
4252 S HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
DATE: 9 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: RD
PM / PA: PS

DRAWING SET STATUS
COORDINATION PLANS

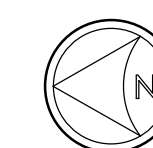
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SHEET TITLE
UPPER LEVEL PLUMBING DEMOLITION PLAN

SHEET NUMBER
PD-101

Upper Level Plumbing Demolition Plan

SCALE: 1/8"=1'-0"



General Plumbing Notes

- PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES.
- INSTALLATION SHALL BE IN CONFORMANCE WITH THE IPC, 2021 EDITION; IBC, 2021 EDITION; IRC, 2021 EDITION; IFGC, 2021 EDITION AND THE NEC, 2020 EDITION; ALL AS ADOPTED AND AMENDED BY THE STATE OF UTAH AND THE LOCAL JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP AND REMOVAL OF WORK RELATED DEBRIS.
- ARRANGE AND SCHEDULE INSPECTIONS IN A TIMELY MANNER WITH THE CONSTRUCTION SCHEDULE.
- UNLESS NOTED OTHERWISE, ALL BELOW SLAB WASTE AND VENT PIPING SHALL BE PVC OR ABS UNDERGROUND. ALL ABOVE GRADE WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON, SCHEDULE 40 DWV PVC OR ABS. ALL PIPING SHALL BE INSTALLED AS PER IPC STANDARDS FOR THE SERVICE INTENDED.
- UNLESS NOTED OTHERWISE, ALL DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER WITH SWEAT CONNECTIONS OR APPROVED PEX TYPE PIPING INSTALLED AS PER IPC STANDARDS FOR THE SERVICE INTENDED.
- PLUMBING EQUIPMENT AND PIPING SHALL BE SEISMICALLY BRACED WHERE REQUIRED IN CONFORMANCE WITH THE IBC, 2021 EDITION.
- ALL PENETRATIONS OF THE CONCRETE FLOOR SLAB REQUIRED FOR PLUMBING INSTALLATIONS SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- ALL FLOOR, WALL AND ROOF PENETRATIONS SHALL BE SEALED SO AS TO MAINTAIN THE INTEGRITY OF THE BUILDING FIRE SAFETY REQUIREMENTS.
- REFER TO THE ARCHITECTURAL DIMENSIONED PLANS FOR THE EXACT LOCATION OF PLUMBING FIXTURES AND EQUIPMENT.
- ALL HOT, RECIRCULATION AND COLD DOMESTIC WATER PIPING SHALL BE INSULATED AS PER IECG TABLE C403.12.3 WITH 1" THICK R-4.1 (MIN) OR GREATER FIBER FORMED GLASS FIBER INSULATION W/ ALL SERVICE JACKET OR COMPLIANT FOAM INSULATION FOR PEX PIPING.
- ALL ROOFING WORK, FRAMING, AND INTERIOR FINISH WORK IS TO BE PERFORMED BY OTHERS UNDER THE DIRECTION OF THE PROJECT ARCHITECT AND THE SUPERVISION OF THE GENERAL CONTRACTOR.
- UNLESS NOTED OTHERWISE, ALL PLUMBING FIXTURES AND RELATED TRIM SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. SEE PLUMBING FIXTURE SCHEDULE.
- GAS PIPING ABOVE GRADE SHALL BE ASTM A102-14 BLACK STEEL.
- AFTER CONSTRUCTION AND PRIOR TO OCCUPANCY THE WATER SUPPLY SYSTEM SHALL BE PURGED OF DELETERIOUS MATTER AND DISINFECTED AS PER IPC 602.3.4 AND IPC 610.
- CHEMICAL DISPENSERS WHERE PROVIDED SHALL CONNECT TO A SEPARATE DEDICATED WATER SUPPLY LINE, AND SHALL BE INSPECTED BY STATE OR COUNTY HEALTH DEPARTMENT. INSTALLATION SHALL COMPLY WITH UTAH AMENDMENTS TO THE 2021 IPC.

Existing Plumbing Verification

- EXACT SIZING, ROUTING AND LOCATION OF EXISTING PLUMBING SERVICES AND PIPING CANNOT BE CONFIRMED PRIOR TO DEMOLITION OF THE EXISTING WORK. THE PLUMBING CONTRACTOR SHALL VERIFY AND CONFIRM ALL EXISTING CONDITIONS FOR PLUMBING SYSTEMS.

Plumbing Coordination

- IT IS THE INTENT OF THIS PLAN THAT THE INSTALLING CONTRACTOR, TOGETHER WITH THE GENERAL CONTRACTOR WILL DEVELOP A STRATEGY FOR INSTALLING THE PIPING SYSTEMS IN COLLABORATION WITH THE BUILDING OWNER AND EXISTING TENANTS TO MINIMIZE ANY DISRUPTIONS TO THE EXISTING TENANTS AND THEIR BUSINESS ACTIVITIES.

Energy Code Compliance - Plumbing Requirements

- HEAT TRAPS SHALL BE INSTALLED ON THE SUPPLY AND DISCHARGE PIPING OF WATER HEATING STORAGE TANKS WITHOUT CIRCULATING SYSTEMS. (2021 IEEC C404.3).
- ALL PLUMBING PIPING SHALL BE INSULATED IN ACCORDANCE WITH 2021 IEEC TABLE C403.12.3 REQUIREMENTS.
- HEATED (HOT) WATER SUPPLY PIPING SHALL CONFORM TO ENERGY CODE LENGTH AND VOLUME REQUIREMENTS. (2021 IEEC C404.5; C404.5.1; C404.5.2).
- HOT WATER CIRCULATORS, PIPING AND CONTROLS SHALL COMPLY WITH 2021 IEEC C404 REQUIREMENTS.
 - CONTROL SHALL LIMIT THE OPERATION OF A PUMP INSTALLED TO MAINTAIN TEMPERATURE OF A STORAGE TANK. (2021 IEEC C404.6.1).
 - AUTOMATIC TIME SWITCHES SHALL BE PROVIDED AND INSTALLED TO AUTOMATICALLY SWITCH OFF THE RECIRCULATING HOT WATER SYSTEM. (2021 IEEC C404.6.1; C404.6.2).
 - PUMPS THAT CIRCULATE WATER BETWEEN A HEATER AND STORAGE TANK SHALL HAVE CONTROLS THAT LIMIT OPERATION FROM STARTUP TO FIVE MINUTES OR LESS AFTER THE END OF THE HEATING CYCLE. (2021 IEEC C404.6.3).
 - DEMAND CIRCULATION WATER SYSTEMS SHALL HAVE CONTROLS THAT START THE PUMP UPON RECEIVING A SIGNAL FROM THE ACTION OF A USER OF A FIXTURE OR APPLIANCE AND LIMITS THE TEMPERATURE OF THE WATER ENTERING THE COLD WATER PIPING TO 104 DEG. F. (2021 IEEC C404.6.1).

Plumbing Symbols and Abbreviations

— — — — —	DOMESTIC COLD WATER	A.F.F.	= ABOVE FINISH FLOOR
— — — — —	DOMESTIC HOT WATER	CA	= COMPRESSED AIR
— — — — —	HOT WATER RECIRC.	COTG	= CLEAN OUT TO GRADE
— — — — —	WASTE (SANITARY SEWER)	GW	= DOMESTIC COLD WATER
— — — — —	GREASE WASTE	DEMO	= LINE TO BE REMOVED DURING DEMOLITION
— — — — —	VENT (SEWER VENT)	DN	= DOWN
— — — — —	FUEL GAS (NATURAL GAS)	(E)	= EXISTING
— — — — —	COMPRESSED AIR	FCO	= FLOOR CLEAN OUT
— — — — —	90 DEG. ELBOW UP	G	= FUEL GAS (NATURAL GAS)
— — — — —	90 DEG. ELBOW DOWN	G.C.	= GENERAL CONTRACTOR
— — — — —	90 DEG. TEE UP	GW	= GREASE WASTE
— — — — —	90 DEG. TEE DOWN	HW	= DOMESTIC HOT WATER
— — — — —	BALL VALVE	(N)	= NEW PIPING
— — — — —	CAPPED PIPE	OPCI	= OWNER (VENDOR) FURNISHED CONTRACTOR INSTALLED
— — — — —	REDUCER / INCREASER	ORD	= OVERFLOW ROOF DRAIN
— — — — —	ELEVATION MARK	P-X	= PLUMBING FIXTURE TAG SEE PLUMBING FIXTURE SCHEDULE
— — — — —	POINT OF CONNECTION NEW TO EXISTING	RD	= ROOF DRAIN
		V	= VENT (SANITARY SEWER)
		VTR	= SEWER VENT THRU ROOF
		W	= WASTE (SANITARY SEWER)
		WCO	= WALL CLEAN OUT

Existing Return Air Plenum

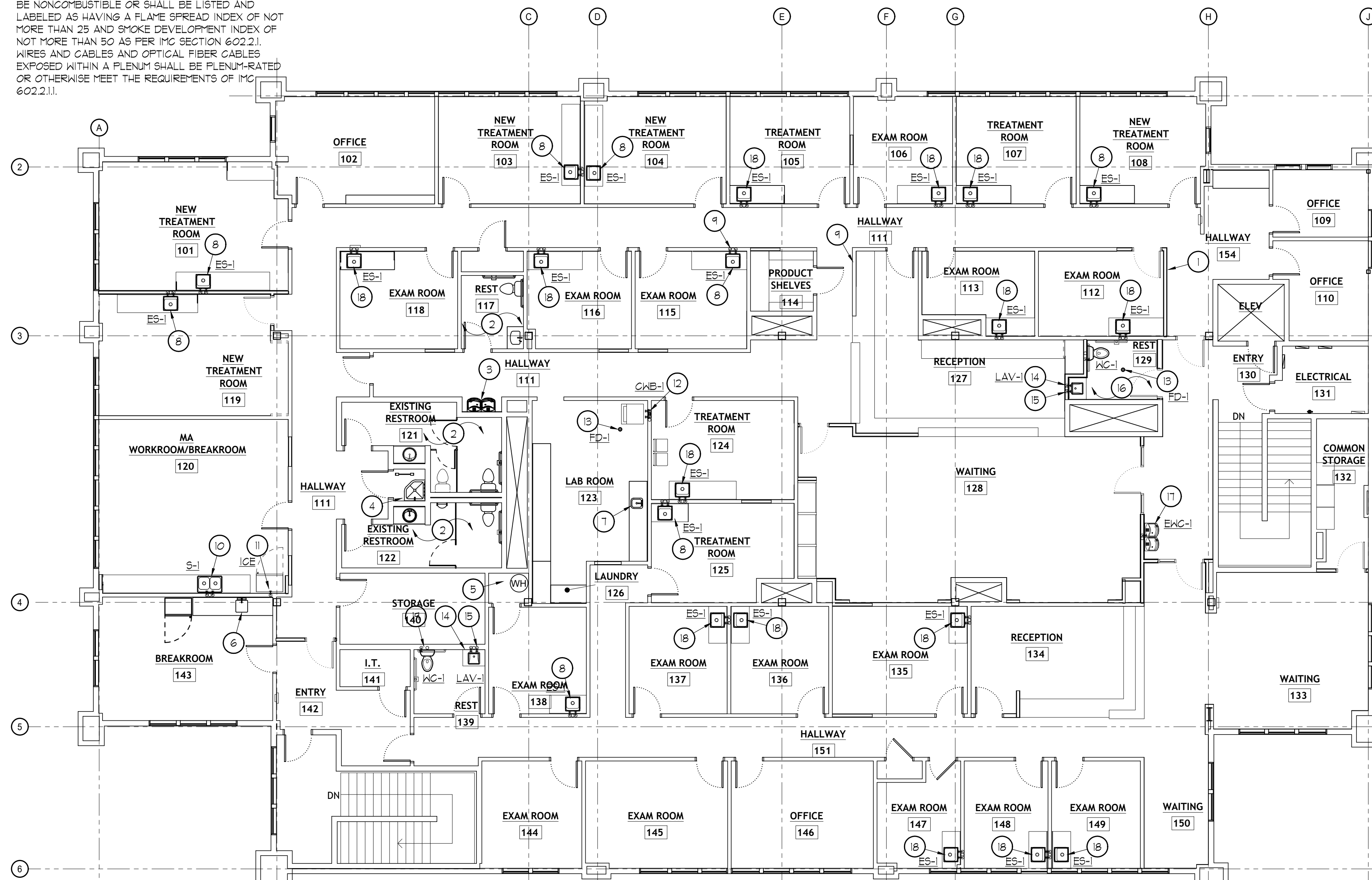
- THE CEILING CAVITY IN THIS STRUCTURE IS BEING USED AS A RETURN AIR PLENUM.
- PLENUM CONSTRUCTION MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF 2021 IBC 103.5.
 - ALL MATERIALS INSTALLED IN CEILING CAVITY SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPMENT INDEX OF NOT MORE THAN 50 AS PER IBC SECTION 602.2.1. WIRES AND CABLES AND OPTICAL FIBER CABLES EXPOSED WITHIN A PLENUM SHALL BE PLENUM-RATED OR OTHERWISE MEET THE REQUIREMENTS OF IBC 602.2.1.1.

Existing Plumbing Notes

- ALL FIXTURES NOT REMOVED FOR DEMOLITION OR RELOCATION SHALL BE INSPECTED AND SERVICED INCLUDING BUT NOT LIMITED TO:
 - FAUCET SERVICE / REPAIR INCLUDING CLEANING AND / OR REPLACEMENT OF ALL FAUCET AERATORS AND INSPECTION FOR LEAKS.
 - SERVICE FOR ALL LAVATORIES / SINKS INCLUDING VERIFICATION OF SECURE MOUNTING, CAULKING AND / OR GROUTING.
 - CLEANING OF ALL SINK TRAPS AND INSPECTION FOR LEAKS.
 - REPLACEMENT OF ALL BATTERIES IN AUTOMATIC FAUCET CONTROLLERS.
 - REPLACEMENT OF ALL WATER FILTERS IN FIXTURES INCLUDING REFRIGERATORS, WATER COOLERS, BOTTLE FILLERS, BEVERAGE MACHINES AND LABORATORY SERVICE OUTLETS.
 - CLEANING AND INSPECTION OF ALL FLOOR DRAINS AND FLOOR SINKS INCLUDING THE P-TRAPS AND VERIFICATION OF TRAP GUARDS.
 - SERVICE FOR ALL TOILET TANKS INCLUDING CLEANING AND REMOVAL OF FOREIGN MATTER, VERIFICATION OF FLUSH VALVE OPERATION AND FILL VALVE ADJUSTMENT.
 - SERVICE FOR ALL TOILET BOWLS INCLUDING VERIFICATION OF SOLID INSTALLATION, PROVISION OR REPLACEMENT OF MOUNTING HARDWARE.
 - SERVICE FOR ALL TOILET AND URINAL FLUSH VALVES INCLUDING VERIFICATION OF PROPER OPERATION.
- ALL FIXTURES REMOVED FOR RELOCATION SHALL BE INSPECTED AND SERVICED AS LISTED ABOVE REGARDING FIXTURES TO REMAIN PRIOR TO RELOCATION.
- ALL FIXTURES AND EQUIPMENT REMOVED FOR DEMOLITION SHALL BE DELIVERED TO THE GENERAL CONTRACTOR FOR FINAL DISPOSITION.
- ALL WATER, SEWER AND GAS PIPING BEING TAKEN OUT OF SERVICE SHALL BE COMPLETELY REMOVED FROM THE STRUCTURE. THIS INCLUDES ALL RELATED HANGARS AND SUPPORTS. NO ABANDONED PIPING TO REMAIN.
- ALL CAPPED SANITARY SEWER AND VENT LINES SHALL BE CAPPED / SEALED IN A MANNER TO AVOID POSSIBLE ACCUMULATION OF WATER OR DEBRIS. NO DEAD END PIPING ALLOWED.
- ALL CAPPED WATER LINES SHALL BE CAPPED / SEALED IN A MANNER TO AVOID DEAD END OR INCIRCULATED CONDITIONS.
 - WATER HEATERS NOTED TO REMAIN IN SERVICE SHALL BE INSPECTED FOR PROPER INSTALLATION INCLUDING:
 - INSTALLATION OF SEISMIC RESTRAINTS
 - T&P VALVE DISCHARGE LOCATION
 - DRIP PAN OR OTHER APPROVED DRAINAGE.
 - SERVICE CLEARANCES
 - HEATING OPERATION SETTINGS
 - PROPER OPERATION OF CIRCULATOR(S)
 - PROPER OPERATION AND EVALUATED FOR CONTINUED SERVICE. FINDINGS SHALL BE REPORTED TO THE GENERAL CONTRACTOR FOR FURTHER ACTION IF REQUIRED.

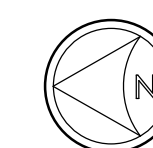
Keyed Reference Notes

- EXISTING EXAM ROOM SINK AND FAUCET ASSEMBLY TO REMAIN. SEE EXISTING FIXTURE NOTES.
- EXISTING REST ROOM FIXTURES TO REMAIN. SEE EXISTING FIXTURE NOTES.
- EXISTING ELECTRIC WATER COOLER TO REMAIN. SEE EXISTING FIXTURE NOTES.
- EXISTING JANITORS MOP SINK AND SHELF MOUNTED ELECTRIC WATER HEATER TO REMAIN. SEE EXISTING FIXTURE NOTES.
- EXISTING 40 GALLON UPRIGHT ELECTRIC WATER HEATER AND CIRCULATOR TO REMAIN. SEE EXISTING FIXTURE NOTES.
- EXISTING BREAK ROOM SINK TO REMAIN. SEE EXISTING FIXTURE NOTES.
- EXISTING LAB WORK SINK TO REMAIN. SEE EXISTING FIXTURE NOTES.
- PROVIDE AND INSTALL EXAM / TREATMENT ROOM SINK. DROP 1/2" COLD WATER AND 1/2" HOT WATER TO SERVE SINK(S). PROVIDE MIXING / TEMPERATURE LIMITING ANTI-SCALD DEVICE AT SINKS COMPLIANT WITH ASSE 1070 AS PER CODE. EXTEND 1/2" WASTE UP IN WALL TO SERVE EXAM SINK. CONTINUE AS 1/2" VENT UP IN WALL FRAMING AND COMBINE WITH OTHER VENTS AS ALLOWED BY CODE.
- KNOW LOCATION OF EXISTING PLUMBING SERVICES. EXTEND AND CONNECT NEW FIXTURE(S) TO THIS PLUMBING IF PRACTICAL.
- PROVIDE AND INSTALL BREAK ROOM SINK WITH FOOD WASTE DISPOSER. EXTEND 1/2" COLD WATER AND 1/2" HOT WATER TO SERVE SINK. EXTEND 2" WASTE UP IN WALL TO SERVE SINK. CONTINUE AS 1/2" VENT UP IN WALL FRAMING. COMBINE VENTS AS ALLOWED BY CODE.
- EXTEND 1/2" COLD WATER IN WALL CAVITY FROM BREAK ROOM SINK TO SERVE ICE MAKER SERVICE BOX.
- PROVIDE AND INSTALL RECESSED CLOTHES WASHER SERVICE BOX WITH WATER HAMMER ARRESTORS. EXTEND 1/2" COLD AND 1/2" HOT WATER TO FIXTURE. PROVIDE 2" STAND PIPE WITH CLEAN-OUT FOR FIXTURE. EXTEND 2" VENT UP IN WALL AND COMBINE WITH OTHER VENTS AS ALLOWED BY CODE.
- PROVIDE ALL FLOOR DRAINS WITH TRAP PRIMERS OR TRAP GUARDS AS PER CODE REQUIREMENTS.
- PROVIDE AND INSTALL LAVATORY AND FAUCET. PROVIDE MIXING / TEMPERATURE LIMITING ANTI-SCALD DEVICE AT LAVATORIES COMPLIANT WITH ASSE 1070 AS PER CODE. EXTEND 1/2" WASTE UP IN WALL TO SERVE SINK. CONTINUE AS 1/2" VENT UP IN WALL FRAMING AND COMBINE WITH OTHER VENTS AS INDICATED.
- DROP 3/4" CIRCULATED HOT WATER MAIN DOWN IN WALL CAVITY AND ROUTE TO SERVE PUBLIC LAVATORY. RETURN MAIN UP IN WALL CAVITY TO CEILING CAVITY AS INDICATED. PROVIDE 1/2" HOT WATER BRANCH TO SERVE LAVATORY. DO NOT EXCEED CODE REQUIRED BRANCH DISTANCES.
- EXTEND NEW SEWER FOR NEW REST ROOM FIXTURES TO EXISTING SERVICES IN LOWER LEVEL CEILING CAVITY. FIELD VERIFY LOCATION(S) AND CONDITION.
- PROVIDE AND INSTALL ACCESSIBLE ELECTRIC WATER COOLER WITH DOUBLE BOWL IN "HIGH - LOW" CONFIGURATION AND BOTTLE FILLER. EXTEND 1/2" COLD WATER DOWN IN WALL TO SERVE FIXTURE.
- PROVIDE AND INSTALL EXAM / TREATMENT ROOM SINK. EXISTING EXAM SINK REMOVED DURING DEMOLITION. EXTEND EXISTING PLUMBING SERVICES. PROVIDE MIXING / TEMPERATURE LIMITING ANTI-SCALD DEVICE AT SINKS COMPLIANT WITH ASSE 1070 AS PER CODE.
- PROVIDE AND INSTALL FLOOR MOUNTED TOILET REMOVED DURING DEMOLITION. EXTEND EXISTING PLUMBING SERVICES. SEE PLUMBING NOTES REGARDING RE-USE OF EXISTING FIXTURES.



Upper Level Plumbing Floor Plan

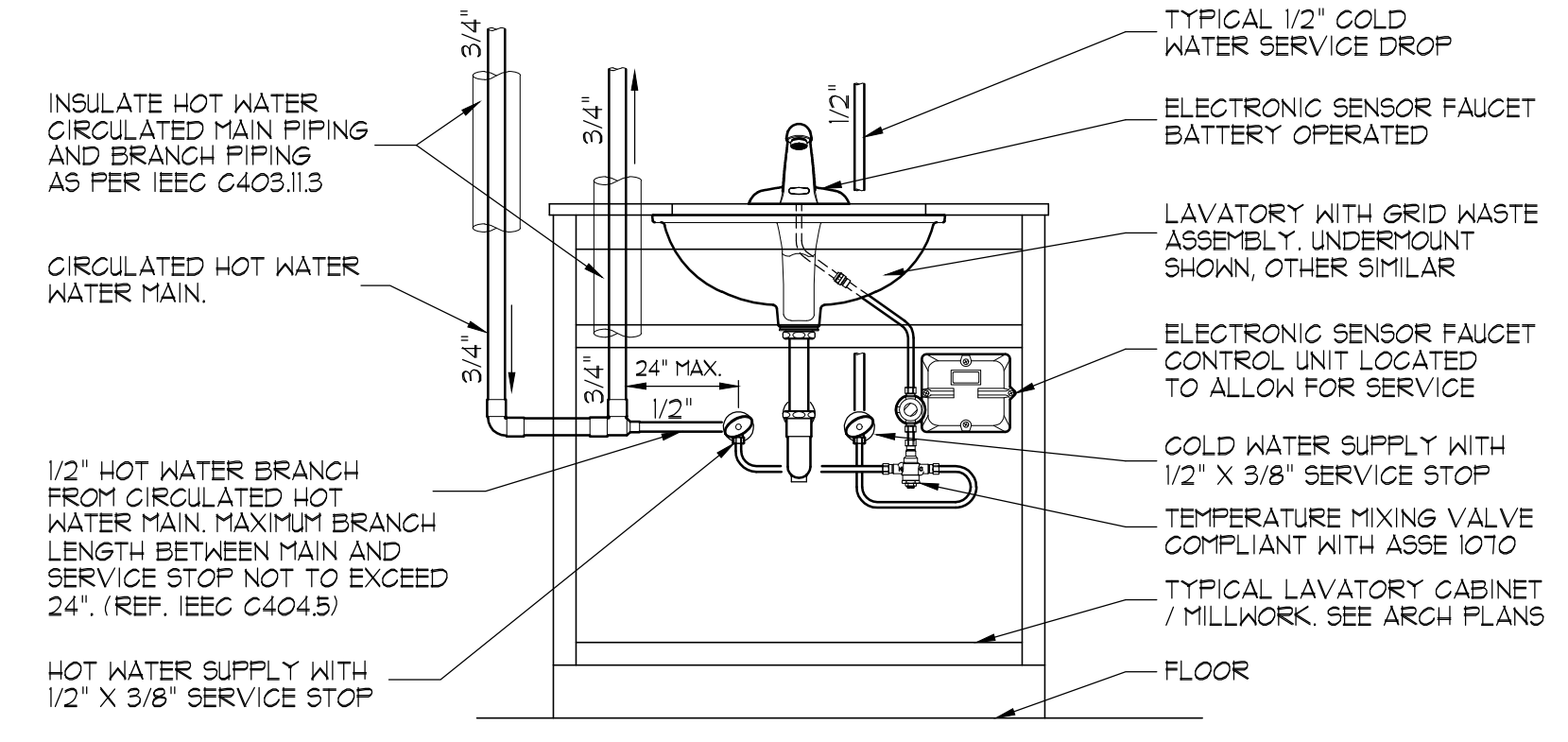
SCALE: 1/8"=1'-0"



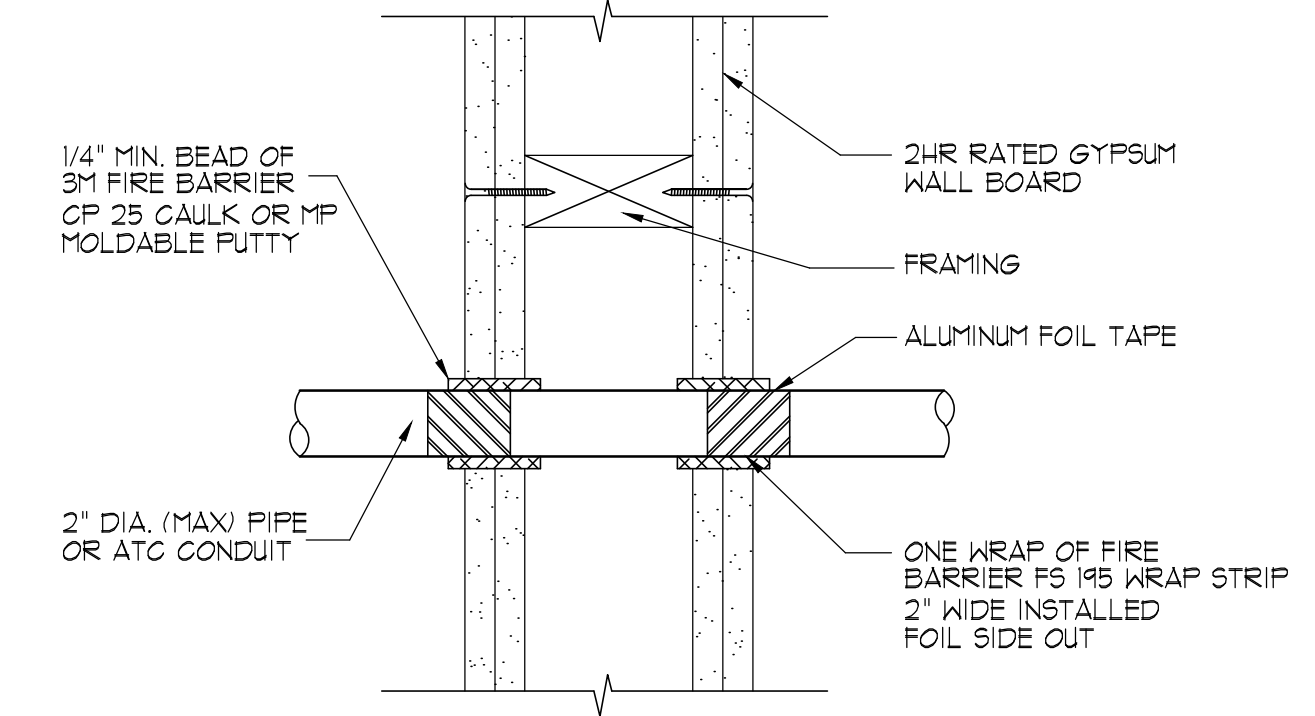
DESCRIPTION	DATE

Plumbing Fixture Schedule							
SYMBOL	FIXTURE	BASIS OF DESIGN *	WASTE	VENT	COLD	HOT	DESCRIPTION / ACCESSORIES
WG-1	ADA TANK TYPE WATER CLOSET	KOHLER CO. "HIGHLINE" K-3493	4"	2"	1/2"	--	FLOOR MOUNT, TANK TYPE BOTTOM OUTLET, SPLIT SEAT.
LAV-1	UNDER MOUNT LAVATORY	KOHLER CO. "BRAZN" K-21056	1-1/2"	1-1/2"	1/2"	1/2"	UNDERCOUNTER MOUNT LAVATORY WITH ADA COMPLIANT TRIM MOEN 8305 ELECTRONIC FAUCET
S-1	2 COMP. BREAK ROOM SINK	KOHLER "VERSE" K-5267-I	1-1/2"	1-1/2"	1/2"	1/2"	33" X 22" DOUBLE BOWL STAINLESS STEEL, 4.25" DEEP SINK. KOHLER K-10433 "FORTÉ" FAUCET. USE BADGER 5 DISPOSER.
ICE	RECESSED ICE MAKER STOP ASSY	GUY GRAY MIB - 1-AB	--	--	1/2"	--	RECESSED ICE MAKER OUTLET BOX WITH 1/4 TURN VALVE / STOP
ES-1	1 COMP. EXAM RM SINK	ELKAY SS SINK ECT385AD 3322601	1-1/2"	1-1/2"	1/2"	1/2"	33" X 22" X 6" DEEP UNDERMOUNT SINGLE BOWL STAINLESS STEEL SINK. CHICAGO 895-SITABOP MANUAL FAUCET ADA TRIM
EWG-1	ADA ELEC. WATER COOLER	ELKAY LZSTL85LK TWO STATION	1-1/2"	1-1/2"	1/2"	1/2"	B1-LEVEL ADA COMPLIANT ELECTRIC WATER COOLER 3.7 FLA @ 115V 1 PH W/ BOTTLE FILLER
FD-1	STANDARD DUTY FLOOR DRAIN	ZURN CO. EZ-FV2 ROUND NICKEL BRONZE HEAD	2"	1-1/2"	--	--	STD. WT. BODY, DEEP SEAL TRAP ADJ. STANDARD DUTY ROUND GRATE PROVIDE TRAP GUARD OR TRAP PRIMER AS REQUIRED

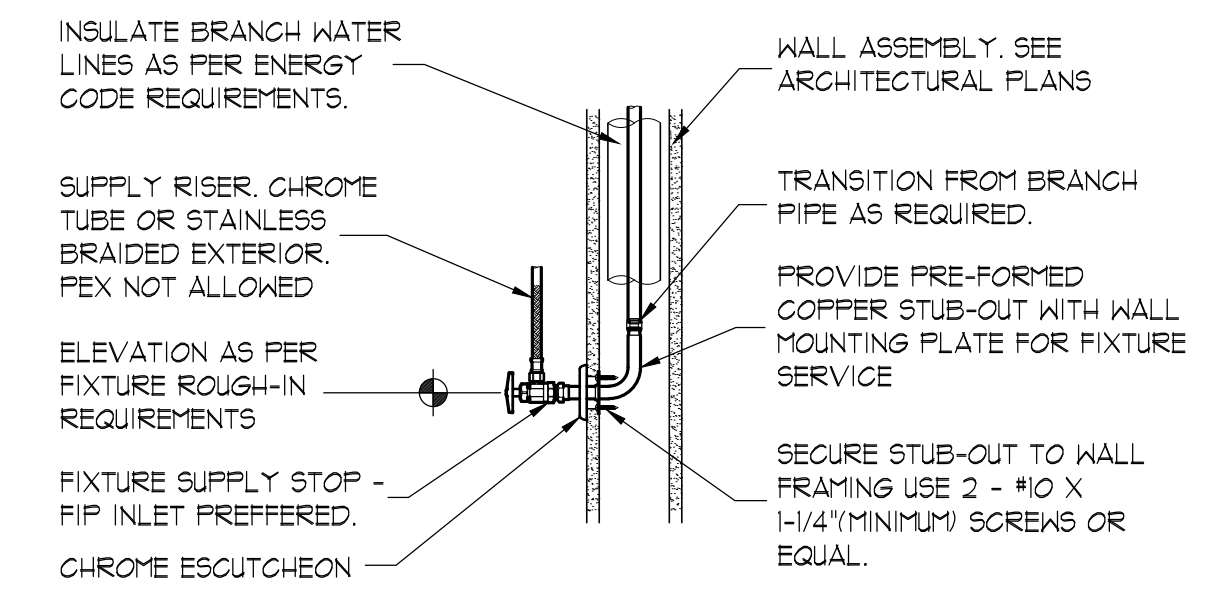
* APPROVED MANUFACTURERS: KOHLER, TOTO, ELJER, AMERICAN STANDARD, ELKAY
 ** OWNER SHALL APPROVE FINAL SELECTION OF FIXTURES.
 1 PROVIDE AND INSTALL ASSE 1070 DOMESTIC HOT WATER TEMPERING VALVE FOR TEMPERATURE CONTROL AT EACH LAVATORY/HAND SINK.



1 Lavatory Water Connection Detail
P-501



2 Rated Wall Penetrations
NO SCALE
P-501



3 Fixture Water Supply Detail
NO SCALE
P-501

PROJECT TITLE AND ADDRESS
MILLCREEK DERMATOLOGY
4252 S HIGHLAND DRIVE - SUITE XX
MILLCREEK, UT - 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
DATE: 9 DECEMBER 2025
PROJECT #: 25-088
DRAWN BY: RD
PM / PA: PS

DRAWING SET STATUS
COORDINATION PLANS

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE
PLUMBING SCHEDULES AND DETAILS

SHEET NUMBER
P-501

Δ	DESCRIPTION	DATE

DATE: NOVEMBER 2025
PROJECT #: 25-088
DRAWN BY: KYLE
PM / PA: KYLE

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: MILLCREEK DERMATOLOGY
Project Type: Alteration

Construction Site: _____ Owner/Agent: _____ Designer/Contractor: _____

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Health Care-Clinic	11776	0.81	9539
Total Allowed Watts =			9539

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
Health_Care-Clinic (11776 sq.ft.)				
LED: F3/F1E: LED PAR 7W:	0	49	21	1029
LED: F2/F2E: LED Linear 8W:	0	88	51	4488
LED: F3/F3E: LED Panel 19W:	0	2	51	102
LED: F4/F4E: LED Panel 19W:	0	46	39	1794
LED: F5: LED Linear 8W:	0	12	35	420
LED: F6: LED Panel 19W:	0	2	100	200
LED: F7: LED Linear 8W:	0	3	29	87
Total Proposed Watts =			8120	

Interior Lighting PASSES

Interior Lighting Compliance Statement

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.

KYLE BREINHOLT - ELECTRICAL ENGINEER

Name - Title _____ Signature _____ Date _____

Project Title: MILLCREEK DERMATOLOGY Report date: 12/08/25
Data filename: _____ Page 1 of 5

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 2021 IECC

Requirements: 100.0% 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	Complies?	Comments/Assumptions
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	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: MILLCREEK DERMATOLOGY Report date: 12/08/25
Data filename: _____ Page 2 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 >= 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
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 <= 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	Requirement will be met.
C405.2.1.2 [EL19]	Occupancy sensor control function in warehouses: In warehouses, the lighting in aislesways 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 aisleway independently and do not control lighting beyond the aisleway 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	Exception: Requirement does not apply.
C405.2.1.3 [EL20]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 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 >= 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	Exception: Requirement does not apply.
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	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: MILLCREEK DERMATOLOGY Report date: 12/08/25
Data filename: _____ Page 3 of 5

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	Requirement will be met.
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	Requirement will be met.
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	Requirement will be met.
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	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: MILLCREEK DERMATOLOGY Report date: 12/08/25
Data filename: _____ Page 5 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 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelet zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Spaces where health patient care is directly provided.
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	Requirement will be met.
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	Requirement will be met.
C405.8 [EL27]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency is 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	Exception: Requirement does not apply.
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	Exception: Requirement does not apply.
C405.10 [EL29]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.11.1 [EL30]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 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	Exception: Requirement does not apply.
C405.11, 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	Exception: Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: MILLCREEK DERMATOLOGY Report date: 12/08/25
Data filename: _____ Page 4 of 5

A

B

C

D

ELECTRICAL SPECIFICATIONS

GENERAL PROVISION

- A. REFERENCE
 1. THE GENERAL CONDITIONS AND OTHER CONTRACT DRAWINGS AS SET FORTH IN THE FOREGOING PAGES ARE HEREBY INCORPORATED TO AND BECOME A PART OF THE SPECIFICATIONS FOR WORK UNDER THIS TITLE, INsofar AS THEY APPLY HERETO. ALL SPECIFICATIONS UNDER THIS DIVISION TITLE ARE DIRECTED TO AND ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, UNLESS OTHER TRADES OR PERSONS ARE SPECIFICALLY MENTIONED. "ELECTRICAL CONTRACTOR" IS INFERRED AND INTENDED.
 2. THE DRAWINGS ACCOMPANYING THESE SPECIFICATIONS ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE SHALL BE AS IF CALLED FOR BY BOTH.
 3. CONSULT ALL CONTRACT DRAWINGS WHICH MAY AFFECT THE LOCATION OF EQUIPMENT, CONDUIT AND WIRING AND MAKE MINOR ADJUSTMENTS IN LOCATION TO SECURE COORDINATION.
 4. WIRING LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS.
 5. OTHER THAN MINOR ADJUSTMENTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.

- B. CONTRACT DRAWINGS
 1. THE DRAWINGS ACCOMPANYING THESE SPECIFICATIONS ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE SHALL BE AS IF CALLED FOR BY BOTH.
 2. CONSULT ALL CONTRACT DRAWINGS WHICH MAY AFFECT THE LOCATION OF EQUIPMENT, CONDUIT AND WIRING AND MAKE MINOR ADJUSTMENTS IN LOCATION TO SECURE COORDINATION.
 3. WIRING LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS.
 4. OTHER THAN MINOR ADJUSTMENTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.
- C. JOBSITE COPY OF DOCUMENTS
 1. MAINTAIN AT THE SITE, ONE COPY OF ALL DRAWINGS, SPECIFICATIONS, ADDENDA APPROVED SHOP DRAWINGS, CHANGE ORDERS AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THESE SHALL BE AVAILABLE TO THE OWNER'S REPRESENTATIVE. THE DRAWINGS MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE FOR THE OWNER UPON COMPLETION OF THE WORK. AN ADDITIONAL SET OF DRAWINGS WILL BE FURNISHED BY THE OWNER'S REPRESENTATIVE FOR THIS PURPOSE UPON REQUEST.
- D. MANUFACTURER DRAWINGS
 1. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW, (6) COPIES OF MANUFACTURER'S DRAWINGS AND WIRING DIAGRAMS. THE ENGINEER WILL REVIEW CONTRACTOR'S SHOP DRAWINGS AND RELATED SUBMITTALS (AS INDICATED BELOW) WITH RESPECT TO THE ABILITY OF THE DETAILED WORK, WHEN COMPLETE, TO BE A PROPERLY FUNCTIONING INTEGRAL ELEMENT OF THE OVERALL SYSTEM DESIGNED BY THE ENGINEER. BEFORE SUBMITTING A SHOP DRAWING OR ANY RELATED MATERIAL TO THE ENGINEER, CONTRACTOR SHALL REVIEW EACH SUCH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION, AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERE TO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. APPROVE EACH SUCH SUBMISSION BEFORE SUBMITTING IT, AND SO STAMP EACH SUCH SUBMISSION BEFORE SUBMITTING IT. THE ENGINEER SHALL ASSUME THAT NO SHOP DRAWING OR RELATED SUBMITTAL COMPRISES A VARIATION UNLESS CONTRACTOR ADVISES ENGINEER OTHERWISE VIA A WRITTEN INSTRUMENT WHICH IS ACKNOWLEDGED BY ENGINEER IN WRITING. THE ITEMS, TYPES OF SUBMITTALS AND RELATED MATERIAL (IF ANY) CALLED FOR ARE INDICATED BELOW:

ITEMS	TYPE SUBMITTALS REQUESTED
LIGHTING AND POWER PANELS	SHOP DRAWINGS
LIGHTING FIXTURES	CATALOG CUTS

- E. GUARANTEES
 1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFECTS, REPAIRS AND REPLACEMENTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF SUBSTANTIAL COMPLETION AS DETERMINED BY THE OWNER'S REPRESENTATIVE. PRODUCT GUARANTEES GREATER THAN ONE (1) YEAR SHALL BE PASSED ALONG TO THE OWNER FOR FULL BENEFIT OF THE MANUFACTURER'S WARRANTY.

DEMOLITION

- A. DESCRIPTION OF WORK
 1. ALL RELOCATIONS, RECONNECTIONS AND REMOVALS ARE NOT NECESSARILY INDICATED ON DRAWINGS. ALL SUCH REQUIRED WORK SHALL BE INCLUDED WITHOUT ADDITIONAL COST TO OWNER. OTHER DEMOLITION WORK SHALL BE PERFORMED AS REQUIRED TO MAINTAIN SYSTEM OPERATION.
 2. THE INTENT OF THE DRAWINGS IS NOT TO SHOW EVERY DEVICE, OUTLET, FIXTURE, CONDUIT, ETC. AFFECTED BY DEMOLITION WORK.
 3. THE DRAWINGS DO NOT NECESSARILY REFLECT AS-BUILT CONDITIONS. THE CONTRACTOR SHALL VISIT THE JOBSITE PRIOR TO BIDDING TO DETERMINE THE OVERALL SCOPE OF DEMOLITION WORK.
 4. REFER TO SECTIONS OF OTHER DIVISIONS FOR APPLICABLE REQUIREMENTS AFFECTING DEMOLITION WORK.

- B. GENERAL
 1. DEMOLITION WORK SHALL BE LAID OUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING, DRILLING, CHANNELING, ETC. WHERE SUCH CUTTING, DRILLING, OR CHANNELING BECOMES NECESSARY, PERFORM WITH CARE, USE SKILLED MECHANICS OF THE TRADES INVOLVED. REPAIR DAMAGE TO BUILDING AND EQUIPMENT. CUTTING WORK OF OTHER CONTRACTORS SHALL BE DONE ONLY WITH THE CONSENT OF THAT CONTRACTOR. CUTTING OF STRUCTURAL MEMBERS SHALL NOT BE PERMITTED.
- C. PATCHING AND REPAIR
 1. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION, PATCHING AND REPAIR OF ALL FINISHED INTERIOR SURFACES PERTAINING TO THE INSTALLATION OF THIS PARTICULAR PHASE OF WORK. ALL SURFACES SHALL BE FINISHED (PAINTED, ETC.) TO MATCH THE ADJACENT MATERIALS, FINISHES AND COLORS.
 2. HARD SURFACES: WHENEVER DEMOLITION OR EXCAVATION IS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAKE REPAIRS AND/OR REPLACEMENTS OF HARD FINISH SURFACES SUCH AS CONCRETE, ASPHALT, ETC.
 3. THE METHOD OF PATCHING AND REPAIR SHALL FOLLOW GOOD CONSTRUCTION PRACTICES AND ALL FINISHED SURFACES SHALL MATCH MATERIALS AND FINISH WHEREIN THE DEMOLITION OCCURRED.
- D. EXISTING EQUIPMENT:
 1. THE NEW ELECTRICAL EQUIPMENT AND APPARATUS SHALL BE COORDINATED AND CONNECTED INTO THE EXISTING SYSTEM AS REQUIRED. AUXILIARY SYSTEMS SHALL COMPLY, UNLESS OTHERWISE SPECIFIED.
 2. THE EXISTING ELECTRICAL DEVICES, CONDUIT AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION SHALL BE RELOCATED. PROVIDE CONDUIT, WIRING, JUNCTION BOXES, ETC. AS REQUIRED TO EXTEND EXISTING CIRCUITS AND SYSTEMS TO RELOCATED DEVICES OR EQUIPMENT.
 3. THE NEW FIXTURES INDICATED FOR EXISTING OUTLETS SHALL BE INSTALLED IN ACCORDANCE WITH THE FIXTURE SPECIFICATIONS.
 4. WHEN INSTALLING EQUIPMENT IN THE EXISTING BUILDING, IT SHALL BE CONCEALED.
 5. EXISTING RACEWAYS SHALL BE USED WHERE POSSIBLE, EXCEPT AS NOTED. ALL CIRCUITS, CONDUIT AND WIRE THAT ARE NOT USED IN THE REMODELED AREA SHALL BE CAREFULLY REMOVED, AND TURNED OVER TO THE OWNER. THOSE FIXTURES INDICATED FOR RE-USE SHALL BE THOROUGHLY CLEANED, REPAIRED AS REQUIRED, RELAMPED AND INSTALLED AS INDICATED.
 6. OBTAIN PERMISSION FROM THE ARCHITECT AND OWNER'S REPRESENTATIVE BEFORE PENETRATING ANY CEILING, FLOOR, AND WALL SURFACES.

WORK INCLUDED

- A. INSTALLATION, MATERIALS, AND WORKMANSHIP
 1. FURNISH AND INSTALL ALL NECESSARY ANCHORS, SUPPORTS, STRAPS, BOXES, FITTINGS AND OTHER SIMILAR APPURTENANCES NOT INDICATED ON THE DRAWINGS BUT WHICH ARE REQUIRED FOR A COMPLETE AND PROPERLY INSTALLED SYSTEM CONSISTENT WITH THE ARCHITECTURAL TREATMENT OF THE BUILDING.
 2. THE ELECTRICAL CONTRACTOR, INsofar AS THE WORK IS CONCERNED, SHALL AT ALL TIMES KEEP THE PREMISES IN A NEAT AND ORDERLY CONDITION. AND AT THE COMPLETION OF THE WORK, SHALL PROPERLY CLEAN UP AND CART AWAY DEBRIS AND EXCESS MATERIALS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF DUMPSTER & REFUSED DISPOSAL AS REQUIRED FOR ELECTRICAL WORK.
 3. ALL MATERIALS SHALL BE NEW AND UNDETERIORATED AND OF A QUALITY NOT LESS THAN THE MINIMUM SPECIFIED.
- B. COORDINATION OF PLANS AND SPECIFICATIONS
 1. CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY IF THERE IS ANY QUESTIONS REGARDING THE MEANING OR INTENT OF EITHER PLANS OR SPECIFICATIONS, OR UPON NOTICING ANY DISCREPANCIES OR OMISSIONS IN EITHER PLANS OR SPECIFICATIONS.
- C. CUTTING AND PATCHING
 1. ALL ELECTRICAL EQUIPMENT SHALL BE KEPT DRY AND CLEAN DURING THE CONSTRUCTION PERIOD. INTERIOR OF ALL ENCLOSURES SHALL BE CLEANED OF DIRT AND DEBRIS BEFORE INSTALLING TRIM OR COVERS.
 2. ALL FINISHED SURFACES OF EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL BE THOROUGHLY CLEANED OF DIRT AND ALL SCRATCHED OR DAMAGED SURFACES SHALL BE TOUCHED UP WITH MATCHING MATERIALS BEFORE FINAL ACCEPTANCE OF THE WORK.
 3. WHEN ALL WORK IS COMPLETED AND ALL WORK HAS BEEN SATISFACTORILY TESTED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE, ALL CONDUIT AND OTHER EXPOSED SURFACES SHALL BE THOROUGHLY CLEANED.

CODES AND FEES

- A. CODES:
 1. ALL WORK PERFORMED UNDER THIS SPECIFICATION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS PREPARED AND PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION AND ANY APPLICABLE STATE OR LOCAL CODES.
- B. FEES:
 1. OBTAIN AND PAY FOR ANY AND ALL PERMITS REQUIRED BY ALL LAWS AND REGULATIONS AND PUBLIC AUTHORITY HAVING SUCH JURISDICTION.

TESTS AND INSPECTIONS

- A. OBTAIN ALL INSPECTIONS REQUIRED BY ALL LAWS, ORDINANCES, RULES, REGULATIONS OR PUBLIC AUTHORITY HAVING JURISDICTION AND OBTAIN CERTIFICATES OF SUCH INSPECTIONS AND SUBMIT SAME TO THE OWNER'S REPRESENTATIVE. PAY ALL FEES, CHARGES AND OTHER EXPENSES IN CONNECTION THEREIN. OBTAIN OCCUPANCY PERMIT AS REQUIRED BY OWNER. FINAL PAYMENT SHALL NOT BE MADE UNTIL OCCUPANCY PERMIT IS OBTAINED.
- B. WORK SHALL BE UNACCEPTABLE WHEN FOUND TO BE DEFECTIVE OR CONTRARY TO THE PLANS SPECIFICATIONS, CODES SPECIFIED OR ACCEPTED STANDARDS OF GOOD WORKMANSHIP.
- C. THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK FOUND UNACCEPTABLE BY THE OWNER'S REPRESENTATIVE WHETHER OBSERVED BEFORE OR AFTER SUBSTANTIAL COMPLETION AND WHETHER OR NOT FABRICATED, INSTALLED OR COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS OF CORRECTING SUCH UNACCEPTABLE WORK, INCLUDING COMPENSATION FOR THE OWNERS REPRESENTATIVE ADDITIONAL SERVICES MADE NECESSARY THEREBY.

CONDUIT

- A. FURNISH AND INSTALL ALL CONDUITS, BOXES, FITTINGS, ETC. FOR A COMPLETE RACEWAY SYSTEM.
- B. ALL WIRING SHALL BE RUN IN EMT CONDUIT OR MC CABLE WITH GROUND CONDUIT UNLESS OTHERWISE NOTED.
- C. ALL CONDUIT SIZES STATED HEREIN OR MARKED ON THE DRAWINGS ARE MINIMUM SIZE AND SHALL BE NO LESS THAN 1/2" UNLESS OTHERWISE NOTED.
- D. ALL CONDUIT SHALL BE SUBSTANTIALLY SUPPORTED BY PIPE STRAPS OR SUITABLE CLAMPS OR HANGERS ATTACHED TO THE ELEMENTS OF THE BUILDING STRUCTURE TO PROVIDE RIGID INSTALLATION; IN NO CASE SHALL CONDUIT BE ATTACHED OR SUPPORTED FROM ADJOINING PIPE OR INSTALLED IN SUCH A MANNER AS TO PREVENT THE READY REMOVAL OF OTHER PIPE FOR REPAIRS.

WIRE AND CABLE

- A. ALL CONDUCTORS SHALL BE COPPER AND OF THE AWG SIZE AND TYPE SHOWN ON THE DRAWINGS. WHERE NO SIZE OR TYPE IS SHOWN, CONDUCTORS SHALL NOT BE LESS THAN #12 TYPE XHHW, THHN, OR THWN. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED COPPER AND HAVE 600 VOLT INSULATION; BE UL LABELED AND OF AMERICAN MANUFACTURER.
- B. ALL BRANCH CIRCUITS IN PATIENT CARE AREAS SHALL BE MEDICAL GRADE MC CABLE.
- C. ALL BRANCH CIRCUITS IN OFFICE AND COMMON AREAS SHALL BE TYPE NM OR MC CABLE.
- D. ALL CONNECTIONS ARE TO BE MADE USING PRESSURE TYPE TERMINALS.
- E. THE FOLLOWING COLOR CODE SHALL BE USED:

PHASE A	BLACK	120/240 VOLT	BLACK	120/208 VOLT	277/480 VOLT
PHASE B	RED		RED	ORANGE	BROWN
PHASE C			YELLOW		YELLOW
NEUTRAL	WHITE		WHITE		WHITE
GROUND	GREEN		GREEN		GREEN
- F. CONDUCTORS NO. 10 AWG OR SMALLER SHALL HAVE INSULATION COLORED AS NOTED ABOVE.
- G. CONDUCTORS NO. 8 AWG OR LARGER SHALL HAVE INSULATION COLORED AS NOTED ABOVE OR COLORED TAPE, MINIMUM SIZE 1/2", WRAPPED TWICE AROUND AT THE FOLLOWING POINTS:
 1. AT EACH TERMINAL.
 2. AT EACH CONDUIT ENTRANCE.
 3. AT INTERVALS NOT MORE THAN 12 INCHES APART IN ALL BOXES, PANEL TUBS, SWITCHBOARDS, ETC.
- H. ALL BRANCH CIRCUITS SHALL BE MARKED IN THE PANEL BOARD GUTTERS, MARKERS SHALL INDICATE CORRESPONDING BRANCH-CIRCUIT NUMBERS.
- I. EACH BRANCH CIRCUIT REQUIRING A NEUTRAL SHALL BE FURNISHED WITH A SEPARATE INDIVIDUAL NEUTRAL CONDUCTOR.

BOXES AND PLATES

- A. FURNISH AND INSTALL ALL OUTLET, JUNCTION, AND PULL BOXES AS INDICATED ON THE DRAWINGS AND AS NECESSARY TO INSTALL THE REQUIRED CONDUIT AND WIRING IN A NEAT AND WORKMANLIKE MANNER.
- B. PULL BOXES AND JUNCTION BOXES SHALL BE GALVANIZED AND OF THE CORRECT SIZE AND GAUGE, SIZED IN ACCORDANCE WITH CODE REQUIREMENTS AND SHALL HAVE A COVER WITH A LOCK AND KEY.
- C. BOXES AT EXTERIOR AREAS TO BE WATER-TIGHT AND DUST-TIGHT WITH GASKETED COVERS.
- D. ALL BOXES FOR EXPOSED WORK IN FINISHED SPACES SHALL BE 'FS' TYPE WITH THREADED HUBS WITH RIGID CONDUIT RISER (DEEP WIRE MOLD BOXES).
- E. ALL BOXES SHALL BE RIGIDLY SUPPORTED INDEPENDENT OF THE CONDUIT SYSTEM. BOXES CAST INTO MASONRY OR CONCRETE ARE CONSIDERED TO BE RIGIDLY SUPPORTED.
- F. FLOOR BOXES
 1. LEGRAND EVOLUTION SERIES OR EQUAL
 2. DESCRIPTION: FLOOR BOXES COMPATIBLE WITH FLOOR BOX SERVICE FITTINGS; WITH PARTITIONS TO SEPARATE MULTIPLE SERVICES; FURNISHED WITH ALL COMPONENTS, ADAPTERS, AND TRIMS REQUIRED FOR COMPLETE INSTALLATION.
 3. USE CAST IRON OR NONMETALLIC FLOOR BOXES WITHIN SLAB ON GRADE.
 4. USE SHEET-STEEL, CAST IRON, OR NONMETALLIC FLOOR BOXES WITHIN SLAB ABOVE GRADE.
 5. METALLIC FLOOR BOXES: FULLY ADJUSTABLE (WITH INTEGRAL MEANS FOR LEVEL ADJUSTMENT PRIOR TO AND AFTER CONCRETE POUR).
 6. MANUFACTURER: SAME AS MANUFACTURER OF FLOOR BOX SERVICE FITTINGS.
- G. UNDERGROUND BOXES/ENCLOSURES:
 1. DESCRIPTION: IN-GROUND, OPEN BOTTOM BOXES FURNISHED WITH FLUSH, NON-SKID COVERS WITH LEGEND INDICATING TYPE OF SERVICE AND STAINLESS STEEL TAMPER RESISTANT COVER BOLTS.
 2. SIZE, AS INDICATED ON DRAWINGS.
 3. DEPTH: AS REQUIRED TO EXTEND BELOW FROST LINE TO PREVENT FROST UPHEAVAL, BUT NOT LESS THAN 12 INCHES.
 4. APPLICATIONS:
 - a. SIDEWALKS AND LANDSCAPED AREAS SUBJECT ONLY TO OCCASIONAL NONDEBERATE VEHICULAR TRAFFIC: USE POLYMER CONCRETE OR COMPOSITE ENCLOSURE WITH MINIMUM SCTE 77, TIER 8 LOAD RATING.
 - b. PARKING LOTS, IN AREAS SUBJECT ONLY TO OCCASIONAL NONDEBERATE VEHICULAR TRAFFIC: USE POLYMER CONCRETE OR COMPOSITE ENCLOSURE WITH MINIMUM SCTE 77, TIER 15 LOAD RATING.
 - c. DO NOT USE POLYMER CONCRETE ENCLOSURES IN AREAS SUBJECT TO DELIBERATE VEHICULAR TRAFFIC.
- H. COMPOSITE UNDERGROUND BOXES/ENCLOSURES: COMPLY WITH SCTE 77.

WIRING DEVICES

- A. WIRING DEVICES SHALL BE SIMILAR TO THOSE LISTED BELOW AND OF SPECIFIED AMPERAGE. OTHER SPECIAL PURPOSE DEVICES SHALL BE AS SPECIFIED ON THE DRAWINGS.
- B. DUPLEX GROUNDING TYPE RECEPTACLE-20 AMP, 125 VOLT--
 1. HUBBELL--5352
 2. ARROW HART--5352
- C. SINGLE POLE SWITCHES - 20 AMP, 120 VOLT
- D. WEATHERPROOF RECEPTACLES - 20 AMP, 125 VOLT-NEMA 5-20R
 1. HUBBELL--5352 WITH 5205 COVER INTERMATIC GUARDIAN
 1. SERIES, NEMA 3R COVER
 2. ARROW HART--5352 WITH 4500 COVER
- E. G.F.C.I. RECEPTACLE- 20 AMP, 125 VOLT-NEMA 5-20 R
 1. HUBBELL- GF 5262 WITH MATCHING NYLON COVER PLATE OR WO-26 W.P. COVER
- F. GROUND ALL RECEPTACLES IN ACCORDANCE WITH ARTICLE 250-146 OF NEC AND AS INDICATED IN THE GROUNDING SECTION OF THIS SPECIFICATION.
- G. PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 406.12.

IDENTIFICATION

- A. EACH PIECE OF SERVICE EQUIPMENT AND INDIVIDUAL SWITCHES, ALL DISCONNECTS, STARTERS, ALL EXHAUST FAN MANUAL STARTING SWITCHES.
- B. IDENTIFICATION SHALL BE IN THE FORM OF LAMINATED PLASTIC NAMEPLATES, BLACK RACE, WITH THE LETTERS ENGRAVED INTO THE WHITE BACKGROUND, MINIMUM 1/4" HIGH. PLATES SHALL BE DRILLED ON EACH END FOR SHEET METAL SCREW ATTACHMENT. NO "DYMO" OR SIMILAR TYPE LABELS WILL BE ALLOWED.
- C. PANEL BOARD DIRECTORY: A TYPED CIRCUIT DIRECTORY SHALL BE PROVIDED INDICATING LOCAL AREA SERVED AND LOCATION FOR EACH BRANCH CIRCUIT.

GROUNDING

- A. ALL FEEDERS AND BRANCH CIRCUITS OVER 100 VOLTS SHALL INCLUDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250-122. EXCEPT NOT BE SMALLER THAN #12 FOR POWER AND LIGHTING CIRCUITS AND #14 FOR CONTROL CIRCUITS. ALL GROUND CONDUCTORS SHALL BE GREEN, OR AS SPECIFIED UNDER "WIRE AND CABLE".
- B. ALL GROUND CLAMPS SHALL BE PENN-UNION "GPL" TYPE OR SIMILAR BY O. C. OR BURNDY.
- C. CONDUIT FOR SOLITARY GROUND CONDUCTORS SHALL BE RIGID SCHEDULE 40 PVC NON-METALLIC ELECTRICAL CONDUIT WITH U.L. LABEL. SOLITARY GROUND CONDUCTORS SHALL NOT BE PLACED THROUGH METALLIC SLEEVES OR CONDUITS AND SHALL NOT BE COMPLETELY ENCLOSED BY METALLIC HANGERS OR SUPPORTS.
- D. THE GROUND CONDUCTOR SHALL BE CONNECTED TO THE NEUTRAL IN ONLY TWO LOCATIONS- ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT MEANS PER NEC-250-24 AND ON SEPARATELY DERIVED SYSTEMS PER NEC 250-30.
- E. AT EACH RECEPTACLE BOX, THE GROUND CONDUCTOR SHALL ENTER AND CONNECT, WITH NORMAL WIRING CONNECTOR, TO: 1) THE GROUND PIGTAIL TO RECEPTACLE; 2) THE GROUND PIGTAIL TO THE BOX GROUND SCREW; AND 3) THE OUTGOING GROUND CONDUCTOR TO NEXT DEVICE, IF NOT AT END OF RUN. METAL TO METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES.
- F. CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS. ALL LOCK NUTS SHALL CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES. WHERE ENCLOSURES AND NON-CURRENT CARRYING METALS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. WHERE REDUCING WASHERS ARE USED AND WHERE CONCENTRIC OR ECCENTRIC KNOCKOUTS ARE NOT COMPLETELY REMOVED BONDING BUSHINGS SHALL BE REQUIRED.

INTERRUPTION OF SERVICE AND OWNER'S OPERATION

- A. THE ELECTRICAL CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT THESE ALTERATIONS AND ADDITIONS SHALL CAUSE A MINIMUM OF INTERFERENCE AND DISTURBANCE TO THE OWNER. ARRANGEMENTS SHALL BE MADE WITH THE OWNER AND ENGINEER BEFORE INTERRUPTING SERVICE IN ANY AREA. A WRITTEN DETAILED METHOD OF INTERRUPTION PROCEDURE INDICATING ELAPSED TIME REQUIRED AND TIME OF INTERRUPTION SHALL BE PREPARED BY THE ELECTRICAL CONTRACTOR AND SUBMITTED TO THE OWNER FOR APPROVAL.
- B. ALL INTERRUPTIONS OF SERVICE SHALL BE MADE WHEN THE LOAD IS AT A MINIMUM AND SHALL BE SCHEDULED AT THE OWNER'S CONVENIENCE. (SERVICE INTERRUPTIONS WILL BE SCHEDULED FOR OTHER THAN NORMAL DAILY WORKING HOURS. THE ELECTRICAL CONTRACTOR SHALL INCLUDE NECESSARY COST FOR OVERTIME LABOR IN ALL BIDS.)
- C. AT NO TIME SHALL THE ELECTRICAL CONTRACTOR OR HIS EMPLOYEES NORMALLY WORKING ON THE PROJECT LEAVE THE FACILITY DURING A TIME WHEN ANY NORMALLY LIVE CIRCUIT OR FEEDERS ARE DISCONNECTED, WITHOUT PERMISSION OF THE ENGINEER.
- D. ALL MATERIALS, CONNECTIONS AND EQUIPMENT FOR TEMPORARY CONTROL OR POWER WIRING TO MAINTAIN CONTINUITY OF SERVICE DURING CONSTRUCTION SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

POWER AND LIGHTING PANELS

- A. FURNISH AND INSTALL, AS SCHEDULED AND SHOWN ON THE DRAWINGS, POWER PANELS FOR OPERATION ON VOLTAGES INDICATED.
- B. ALL TERMINATIONS SHALL BE MARKED "75°C ONLY", "60/75°C" OR LISTED FOR USE OF 75°C INSULATED CONDUCTORS AT FULL 75°C AMPACITY.
- C. ALL BUS BARS SHALL BE SILVER OR TIN PLATED COPPER.
- D. CABINETS SHALL BE OF COMMERCIAL GALVANIZED SHEET STEEL, CODE GAUGE AND SIZE, SURFACE OR RECESSED MOUNTED AS CALLED FOR IN THE DRAWINGS.
- E. NEUTRAL ASSEMBLY SHALL HAVE INDIVIDUAL ANTI-TURN SOLDERLESS TERMINALS, SIMILAR TO SQUARE D TYPE PK, FOR CONNECTION OF ULTIMATE NUMBER OF NEUTRAL WIRES. SHEET METAL TERMINAL STRIPS AND CONNECTIONS WILL BE REJECTED.
- F. PANEL SHALL HAVE A COPPER GROUND BAR SIMILAR TO NEUTRAL BAR IN NUMBER, SIZE, AND TYPE OF ANTI-TURN SOLDERLESS LUGS. THIS GROUND BAR SHALL BE FACTORY BONDED TO THE PANEL TUB IN THE GUTTER SPACE OPPOSITE THE MAINS AND THE NEUTRAL ASSEMBLY AND SHALL HAVE THE SCREWDRIVER SLOTS FACING THE FRONT OF THE PANEL.
- G. QUALITY STANDARD: SQUARE D TYPE NOO

LIGHTING FIXTURES

- A. CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURES AND LAMPS AS INDICATED IN FIXTURE SCHEDULE SHOWN ON DRAWINGS, AND SPECIFIED HEREIN.
- B. NEUTRAL ASSEMBLY SHALL HAVE INDIVIDUAL ANTI-TURN SOLDERLESS TERMINALS, SIMILAR TO SQUARE D TYPE PK, FOR CONNECTION OF ULTIMATE NUMBER OF NEUTRAL WIRES. SHEET METAL TERMINAL STRIPS AND CONNECTIONS WILL BE REJECTED.
- C. ALL LAMP HOLDERS INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE FURNISHED COMPLETE WITH NEW LAMPS OF THE SIZE INDICATING ON THE FIXTURE SCHEDULE.
- D. LAMP CURRENT CREST FACTOR SHALL NOT EXCEED 1.8 AND SHALL BE COMPATIBLE WITH BALLAST BEING UTILIZED. (PROGRAM START ELECTRONIC BALLAST SHALL BE USED).
- E. ANY FIXTURES SCRATCHED, BENT, CRACKED OR IN ANY WAY DAMAGED BEFORE ACCEPTANCE BY OWNER SHALL BE REPLACED AT THIS CONTRACTOR'S EXPENSE.
- F. ALL LAMPS SHALL BE IN WORKING ORDER AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER.
- G. ALL LIGHTING FIXTURES ARE TO BE GROUND ON THE INTERIOR OF THE FIXTURE HOUSING, ON CLEAN BARE METAL, (FREE OF PAINT), BY USE OF PIGTAIL AND FASTENED BY A SCREW USED FOR NO OTHER PURPOSE.

COMMISSIONING

- 1. C408 3 LIGHTING SYSTEM FUNCTIONAL TESTING. CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3.
- 2. C408.3.1 FUNCTIONAL TESTING. TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONTRACTOR SHALL CONDUCT THE REQUIRED FUNCTIONAL TESTING, WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND SHALL PROVIDE DOCUMENTATION TO THE CODE OFFICIAL CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF SECTION C408. WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
 - a. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
 - b. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
 - c. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

ALARM & DETECTION SYSTEMS

- A. SUMMARY
 1. INCLUDES BUT NOT LIMITED TO: MODIFICATIONS TO EXISTING FIRE ALARM EQUIPMENT REQUIRED TO FORM A COMPLETE COORDINATED SYSTEM THAT IS READY FOR OPERATION.
- B. SYSTEM DESCRIPTION
 1. THE FIRE ALARM SYSTEM SHALL COMPLY WITH REQUIREMENTS OF NFPA STANDARD NO. 72 FOR PROTECTED PREMISES SIGNALING SYSTEMS EXCEPT AS MODIFIED AND SUPPLEMENTED BY THIS SPECIFICATION. THE SYSTEM SHALL BE ELECTRICALLY SUPERVISED AND MONITOR THE INTEGRITY OF ALL CONDUCTORS.
 2. WIRING: ALL SYSTEM WIRING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 70, THE NATIONAL ELECTRICAL CODE (NEC) AND ALSO COMPLY WITH ARTICLE 760 OF THE NEC.
- C. QUALITY ASSURANCE
 1. REGULATORY REQUIREMENTS -
 - a. SYSTEM SHALL MEET APPROVAL OF AUTHORITY HAVING JURISDICTION (AHJ). CHANGES OR ADDITIONS SHALL BE MADE TO THE SYSTEM AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
 - b. EQUIPMENT, DEVICES, AND CABLE SHALL BE UL OR FACTORY MUTUAL LISTED FOR USE IN FIRE ALARM SYSTEMS.
 - c. DESIGNER QUALIFICATION: NICET LEVEL III OR IV (3 OR 4) CERTIFIED FIRE ALARM TECHNICIAN OR REGISTERED FIRE PROTECTION ENGINEER, EMPLOYED BY FIRE ALARM CONTROL PANEL MANUFACTURER, CONTRACTOR, OR INSTALLER.
 - d. INSTALLER QUALIFICATIONS: FIRM WITH MINIMUM 3 YEARS DOCUMENTED EXPERIENCE INSTALLING FIRE ALARM SYSTEMS OF THE SPECIFIED TYPE AND PROVIDING CONTRACT MAINTENANCE SERVICE AS A REGULAR PART OF THEIR BUSINESS.
 - 1) AUTHORIZED REPRESENTATIVE OF CONTROL UNIT MANUFACTURER, SUBMIT MANUFACTURER'S CERTIFICATION THAT INSTALLER IS AUTHORIZED; INCLUDE NAME AND TITLE OF MANUFACTURER'S REPRESENTATIVE MAKING CERTIFICATION.
 - 2) INSTALLER PERSONNEL: FACTORY TRAINED AND CERTIFIED WITH AT LEAST 2 YEARS OF EXPERIENCE INSTALLING FIRE ALARM SYSTEMS.
 - 3) SUPERVISOR: NICET LEVEL III OR IV (3 OR 4) CERTIFIED FIRE ALARM TECHNICIAN; FURNISH NAME AND ADDRESS.
 2. FIRE ALARM ACTUATING DEVICES
 - a. NOTIFICATION APPLIANCES
 - 1) LOW PROFILE HORN-STROBES
 - a) AUDIBLE OUTPUT OF 92 DBA AT 10 FT. WHEN MEASURED IN REVERBERATION ROOM PER UL-46A.
 - b) INTEGRALLY MOUNTED FLASHING LIGHT UNIT WITH BLOCK LETTERS FIRE; MULTI-CANDELA WITH FIELD-SELECTABLE SETTINGS OF 150CD, 300CD, 600CD, 750CD & 1100CD, AND FLASH RATE BETWEEN ONE AND THREE HERTZ. ALL UNITS SHALL FLASH IN SYNCHRONIZATION WITH EACH OTHER.
 - c) THE HORN SHALL HAVE A SELECTABLE STEADY OR SYNCHRONIZED TEMPORAL OUTPUT.
 - d) IN AND OUT SCREW TERMINALS SHALL BE PROVIDED FOR WIRING.
 - e) LOW PROFILE HORN-STROBES SHALL MOUNT IN A NORTH AMERICAN 1-GANG BOX.
 - 2) LOW PROFILE STROBES
 - a) PROVIDE LOW PROFILE WALL MOUNTED STROBES AT THE LOCATIONS SHOWN ON THE DRAWINGS. IN AND OUT SCREW TERMINALS SHALL BE PROVIDED FOR WIRING. STROBES SHALL PROVIDE SYNCHRONIZED FLASH OUTPUTS. STROBE OUTPUT SHALL BE DETERMINED AS REQUIRED BY ITS SPECIFIC LOCATION AND APPLICATION FROM A FAMILY OF 15CD, 30CD, 60CD, 75CD, OR 110CD DEVICES. LOW PROFILE STROBES SHALL MOUNT IN A NORTH AMERICAN 1-GANG BOX.
 3. INITIATION & CONTROL MODULES
 - a. RELAY MODULE
 - 1) PROVIDE ADDRESSABLE CONTROL RELAY CIRCUIT MODULES AS REQUIRED. THE MODULE SHALL PROVIDE ONE (1) FORM C DRY RELAY CONTACTS RATED AT 24VDC @ 2 AMPS (PILOT DUTY) TO CONTROL EXTERNAL APPLIANCES OR EQUIPMENT. THE POSITION OF THE RELAY CONTACT SHALL BE CONFIRMED BY THE SYSTEM FIRMWARE.
- D. BATTERIES
 1. SHALL BE 12 VOLT, GELL-CELL TYPE.
 2. BATTERY SHALL HAVE SUFFICIENT CAPACITY TO POWER THE FIRE ALARM SYSTEM FOR NOT LESS THAN TWENTY-FOUR HOURS PLUS 5 MINUTES OF ALARM UPON A NORMAL AC POWER FAILURE.
 3. THE BATTERIES ARE TO BE COMPLETELY MAINTENANCE FREE. NO LIQUIDS ARE REQUIRED. FLUID LEVEL CHECKS, REFILLING, SPILLS AND LEAKAGE SHALL NOT BE REQUIRED.
- E. INSTALLATION
 1. INSTALL FIRE ALARM AND DETECTION SYSTEMS AS INDICATED, IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS, AND COMPLYING WITH APPLICABLE PORTIONS OF NEC, NFPA AND NECA'S "STANDARD OF INSTALLATION".
 2. INSTALL WIRING, RACEWAYS, CONDUCTORS, ELECTRICAL BOXES AND FITTINGS IN ACCORDANCE WITH CONDUIT, WIRE AND CABLE, AND BOXES AND PLATES SECTION OF THIS SPEC.
 3. LABEL PULL AND JUNCTION BOXES "FIRE ALARM" WITH RED INDELEIBLE INK.
 4. LOOP WIRES THROUGH EACH DEVICE ON ZONE FOR PROPER SUPERVISION. TEE-TAPS NOT PERMITTED.
 5. PROVIDE DUST PROTECTION FOR INSTALLED SMOKE DETECTORS UNTIL FINISH WORK IS COMPLETED AND BUILDING IS READY FOR OCCUPANCY.
 6. PROTECT CONDUCTORS FROM CUTS, ABRASION AND OTHER DAMAGE DURING CONSTRUCTION.
 7. MINIMUM CONDUCTOR SIZE SHALL BE 14 AWG UNLESS OTHERWISE SPECIFIED.
 8. DO NOT INSTALL CEILING MOUNTED DETECTORS WITHIN 3 FEET OF AIR DISCHARGE GRILLS. COORDINATE WITH OTHER TRADES AS REQUIRED.
 9. POST COPY OF WIRE IDENTIFICATION LIST INSIDE FIRE ALARM PANEL DOOR OR OTHER AREA ACCESSIBLE TO FIRE ALARM SERVICE PERSONNEL.
 10. INSTALL CONDUCTORS AND MAKE CONNECTIONS TO ALL FIRE/SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT NUMBER AND LOCATIONS.
- F. FIELD QUALITY CONTROL
 1. TEST & INSPECTION
 - a. ALL INTELLIGENT ADDRESSABLE DEVICES SHALL BE TESTED FOR CURRENT ADDRESS AND USER DEFINED MESSAGE.
 - b. ALL WIRING SHALL BE TESTED FOR CONTINUITY, SHORTS, AND GROUNDS BEFORE THE SYSTEM IS ACTIVATED.
 - c. ALL TEST EQUIPMENT, INSTRUMENTS, TOOLS AND LABOR REQUIRED TO CONDUCT THE TESTS SHALL BE MADE AVAILABLE BY THE INSTALLING CONTRACTOR.
 - d. THE SYSTEM INCLUDING ALL ITS SEQUENCE OF OPERATIONS SHALL BE DEMONSTRATED TO THE OWNER, HIS REPRESENTATIVE, AND THE LOCAL FIRE INSPECTOR. IN THE EVENT THE SYSTEM DOES NOT OPERATE PROPERLY, THE TEST SHALL BE REPEATED. CORRECTIONS SHALL BE MADE AND THE TESTING PROCEDURE SHALL BE REPEATED UNTIL IT IS ACCEPTABLE TO THE OWNER, HIS REPRESENTATIVES AND THE FIRE INSPECTOR.
 - e. ALL FIRE ALARM TESTING SHALL BE IN ACCORDANCE WITH NATIONAL FIRE ALARM CODE, NFPA 72.

TELEPHONE/DATA SYSTEMS

- A. SUMMARY
 1. INCLUDES BUT NOT LIMITED TO
 - a. FURNISH AND INSTALL BUILDING TELEPHONE AND COMPUTER NETWORK RACEWAY AND CABLE SYSTEM AS DESCRIBED IN CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, RACEWAY, OUTLETS, MODULAR JACKS, DEVICE PLATES, CABLES, PUNCH DOWN BLOCKS, BACKBOARDS, CABINETS, PATCH PANELS, GROUNDINGS AND OTHER MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE SYSTEM.
 - b. FURNISH AND INSTALL MAIN SERVICE RACEWAY AS DESCRIBED IN CONTRACT DOCUMENTS AND TO COMPLY WITH TELEPHONE COMPANY REQUIREMENTS.
- B. COMPONENTS
 1. TELEPHONE OUTLET BOX SHALL BE SINGLE DEVICE BOX.
 2. BUILDING TELEPHONE AND COMPUTER NETWORK SYSTEM CABLE
 - a. 23 GAUGE, SOLID TINNED COPPER, FOUR TWISTED PAIRS, CATEGORY 6
 - b. USE PLENUM-RATED CABLE IN CEILING AND AREAS USED FOR PLENUM AIR RETURN.
 3. EQUIPMENT RACKS AND CABINETS: CEA-310 STANDARD 19 INCH WIDE COMPONENT RACKS.
 - a. FLOOR MOUNTED RACKS: 16 GAGE STEEL CONSTRUCTION WITH CORROSION RESISTANT FINISH; VERTICAL AND HORIZONTAL CABLE MANAGEMENT CHANNELS, TOP AND BOTTOM CABLE TROUGHS, AND GROUNDING LUG.
 - b. CONNECTOR BLOCKS FOR CATEGORY 6 AND UP CABLES: TYPE 10 INSULATION DISPLACEMENT CONNECTORS; CAPACITY SUFFICIENT FOR CABLES TO BE TERMINATED PLUS 25 PERCENT SPARE.
 5. PATCH PANELS FOR COPPER CABLES: SIZED TO FIT EIA STANDARD 19 INCH WIDE EQUIPMENT RACKS; 0.09 INCH THICK ALUMINUM; CABLING TERMINATED ON TYPE 110 INSULATION DISPLACEMENT CONNECTORS; PRINTED CIRCUIT BOARD INTERFACE.
 - a. JACKS: NON-KEYED RJ-45, SUITABLE FOR AND COMPLYING WITH SAME STANDARDS CABLE TO BE TERMINATED; MAXIMUM 48 PORTS PER STANDARD WIRE PANEL.
 - b. CAPACITY: PROVIDE PORTS SUFFICIENT FOR CABLES TO BE TERMINATED PLUS 25 PERCENT SPARE PLUS MOUNTING SPACE FOR ALL ACTIVE COMPONENTS/EQUIPMENT REQUIRED TO CROSS-CONNECT TO ANYALL MODULAR JACK PORTS ON THE PATCH PANELS.
 - c. LABELS: FACTORY INSTALLED LAMINATED PLASTIC NAMEPLATES ABOVE EACH PORT, NUMBERED CONSECUTIVELY, COMPLY WITH TIA/EIA-606 USING ENCODED IDENTIFIERS.
 - d. PROVIDE INCOMING CABLE STRAIN RELIEF AND ROUTING GUIDES ON BACK OF PANEL.
 - e. PATCH CORDS: PROVIDE ONE PATCH CORD FOR EACH PAIR OF PATCH PANEL PORTS.
 10. CABLE MANAGEMENT
 - a. EQUIP EACH RACK OR CABINET WITH VERTICAL CABLE SECTION.
 - b. EQUIP EACH RACK OR CABINET WITH HORIZONTAL CABLE MANAGERS ABOVE AND BELOW EACH PATCH SECTION.
 - 1) 7 RINGS
 - 2) 6 PASS-THROUGH HOLES
 - 3) HINGED FRONT COVER
 - c. USE VELCRO CABLE WRAPS ON ALL CABLE - TIE WRAPS ARE NOT ACCEPTABLE.
- C. INSTALLATION
 1. RUN 1" CONDUIT TO ACCESSIBLE CEILING SPACE FROM EACH OUTLET. INSTALL CABLE FROM TERMINAL BOARD TO EACH TELEPHONE/NETWORK OUTLET.
 2. TERMINATE CABLES AT EACH OUTLET WITH SPECIFIED MODULAR JACK ASSEMBLY.
 3. TERMINATE CABLES ON PUNCH DOWN BLOCKS OR PATCH PANELS AT TERMINAL BOARD.
 4. PROVIDE TYPED LABELS AT ALL JACKS CORRESPONDING TO TYPED NUMBERING SYSTEM AT PATCH PANEL OR TERMINAL STRIP.
- D. QUALITY ASSURANCE
 1. COMPLY WITH APPLICABLE PORTIONS OF NEC ANSIE/IA1A 568 AS TO TYPE PRODUCTS USED AND INSTALLATION OF COMPONENTS. PROVIDE PRODUCTS AND MATERIALS WHICH HAVE BEEN UL-LISTED AND LABELED.



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PLEASANT GROVE, UTAH 84062
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PROFESSIONAL STAMP

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	NOVEMBER 2025
PROJECT #:	25-088
DRAWN BY:	KYLE
PM / PA:	KYLE

DRAWING SET STATUS
**SCHEMATIC DESIGN
DRAWINGS**

THIS DRAWING SET IS INTENDED
TO BE PRINTED IN COLOR

SHEET TITLE

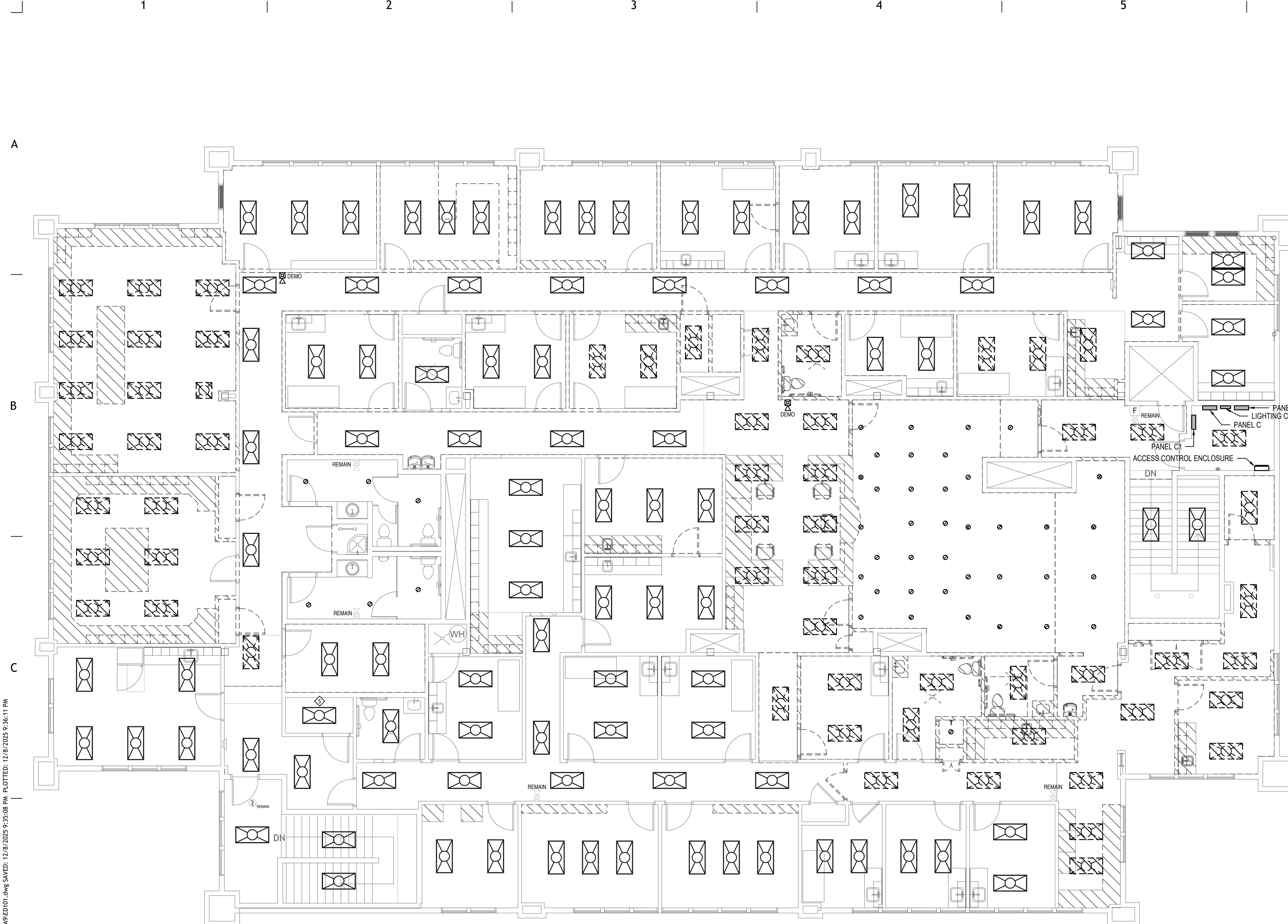
**ELECTRICAL
DEMOLITION PLAN**

SHEET NUMBER

ED101

NOTES:

- REMOVE ELECTRICAL DEVICES FROM WALL INDICATED FOR DEMOLITION. MAINTAIN INTEGRITY OF BRANCH CIRCUIT TO DOWN-LINE DEVICES, EXTENDING WIRE AND CONDUIT AS REQUIRED.
 - DEMOLISH ALL LIGHT FIXTURES. REMOVE ALL SWITCHING. DEMOLISH BRANCH CIRCUIT CONDUIT AND CONDUCTORS BACK TO SOURCE COMPLETE.
 - EXISTING ROOF TOP UNITS EXISTING TO REMAIN. UNITS ARE FED FROM PANEL M.
 - CONTRACTOR RESPONSIBLE FOR ESTABLISHING QUANTITY OF FIXTURES AND DEVICES. FIELD VERIFY QUANTITIES PRIOR TO BID.
- ◻ EXISTING TELEPHONE TERMINAL BOARD LOCATION.

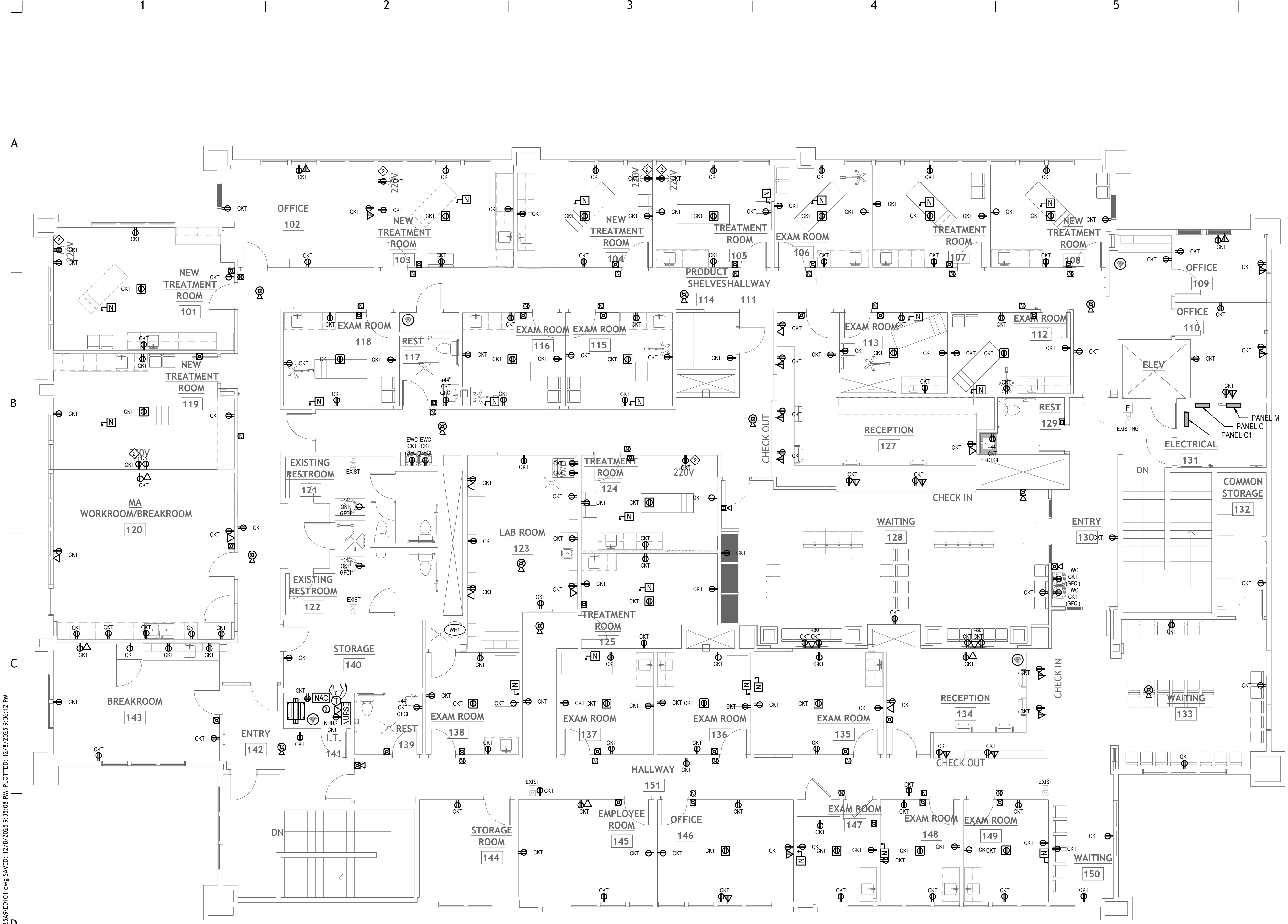


1 ELECTRICAL DEMOLITION PLAN

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



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NOTES:

- FINAL LOCATION OF NURSE CALL DEVICES AS DIRECTED BY OWNER. VERIFY LOCATION AND MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH-IN.

◆ NEMA L6-30.

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CONSULTANT INFORMATION

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 (801) 367-5180 PROJECT BPE2567

PROJECT TITLE AND ADDRESS
**MILLCREEK
 DERMATOLOGY**
 4352 S. HIGHLAND DRIVE - SUITE XX
 MILLCREEK - UT 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
 DATE: NOVEMBER 2025
 PROJECT #: 25-088
 DRAWN BY: KYLE
 PM / PA: KYLE

DRAWING SET STATUS
**SCHEMATIC DESIGN
 DRAWINGS**

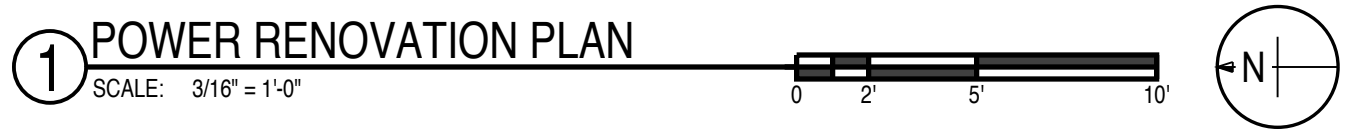
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SHEET TITLE

**POWER
 RENOVATION PLAN**

SHEET NUMBER
E101

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NOTES:
1. PROVIDE 90+ CRI FIXTURES WITH FROSTED LENSES.

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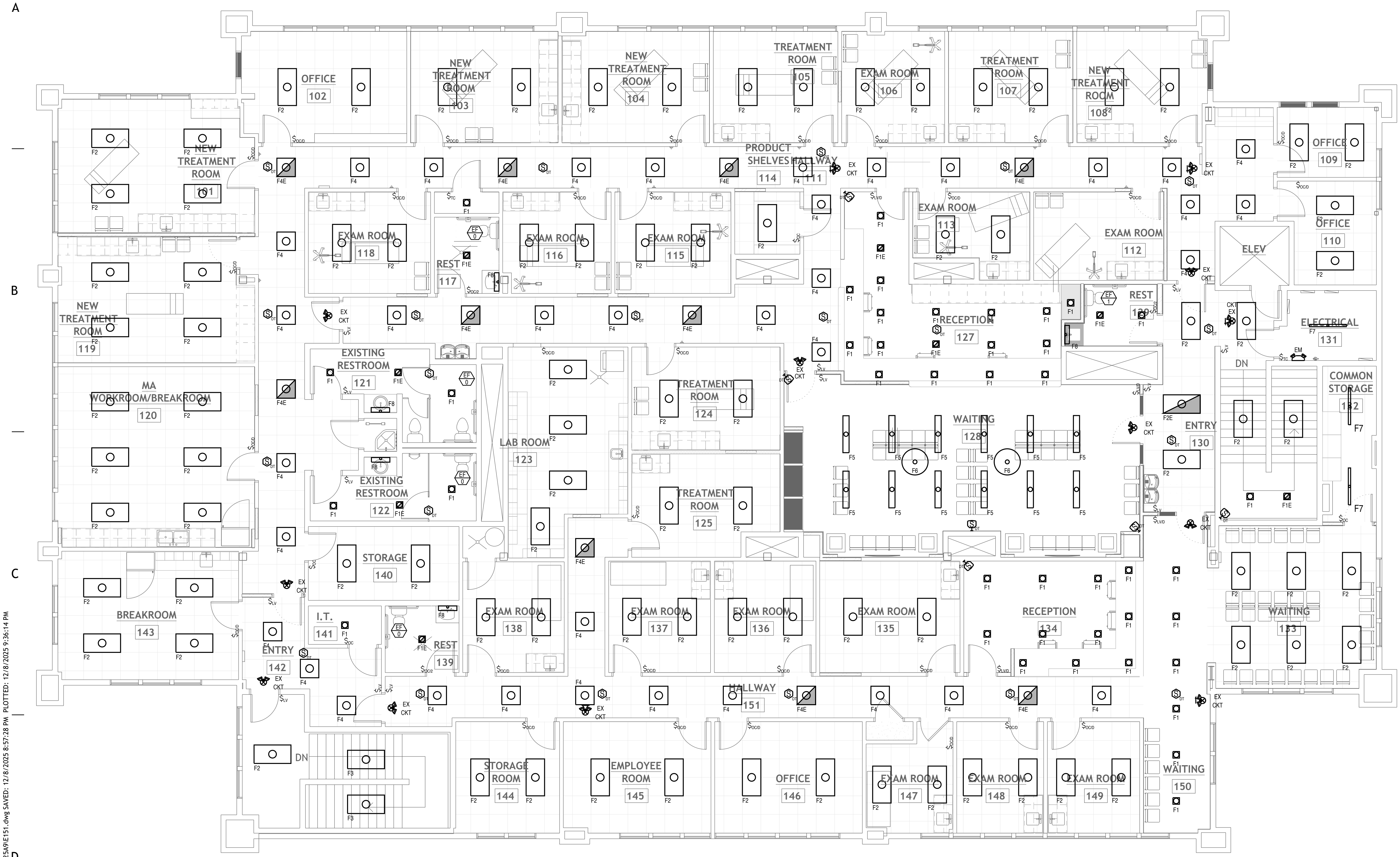
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PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**
4352 S. HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION

DATE: NOVEMBER 2025
 PROJECT #: 25-088
 DRAWN BY: KYLE
 PM / PA: KYLE

DRAWING SET STATUS
**SCHEMATIC DESIGN
DRAWINGS**

THIS DRAWING SET IS INTENDED
TO BE PRINTED IN COLOR

**LIGHTING
RENOVATION PLAN**

SHEET NUMBER
E151

① LIGHTING RENOVATION PLAN
 SCALE: 3/16" = 1'-0"

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REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	NOVEMBER 2025
PROJECT #:	25-088
DRAWN BY:	KYLE
PM / PA:	KYLE

DRAWING SET STATUS
SCHEMATIC DESIGN DRAWINGS

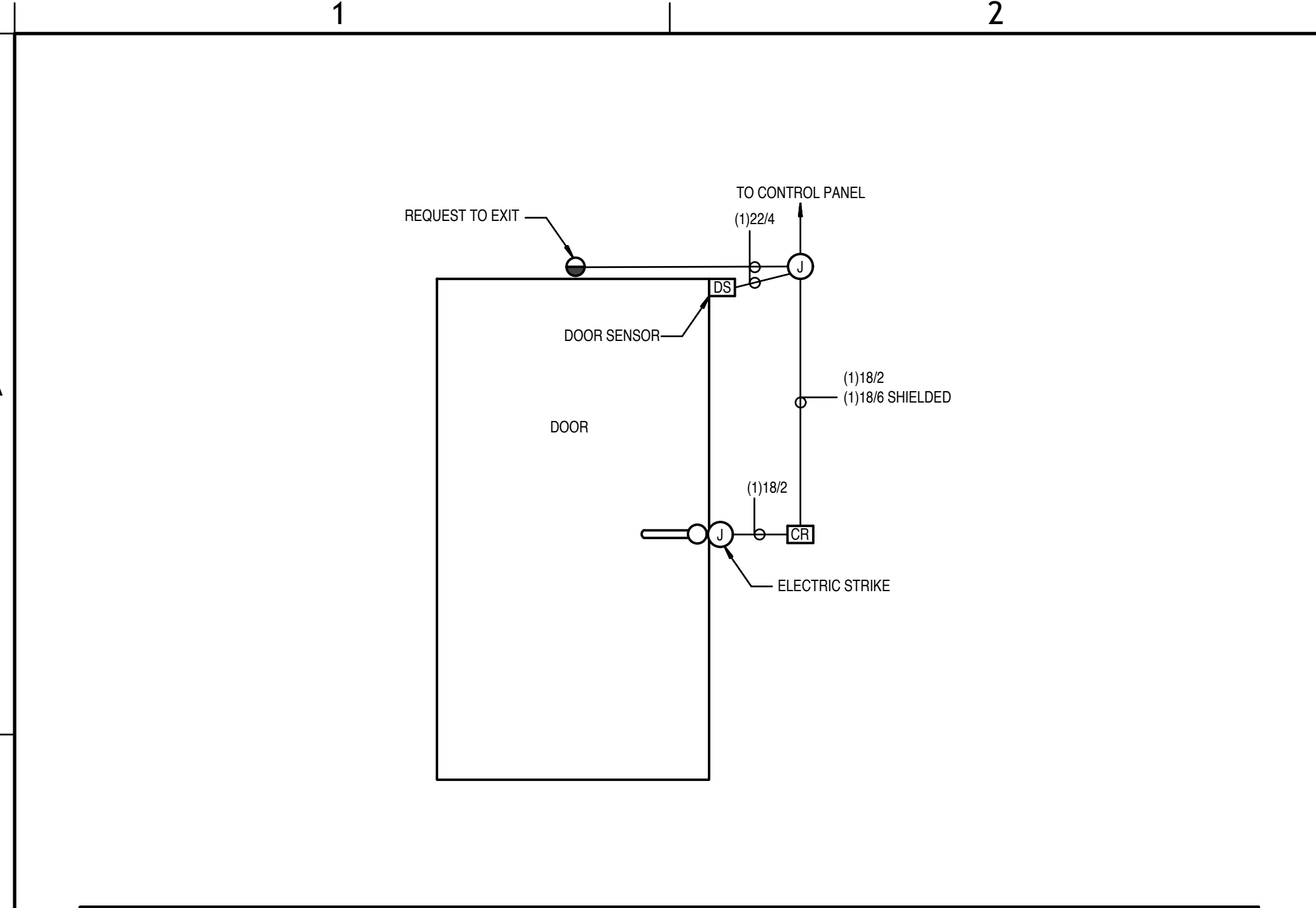
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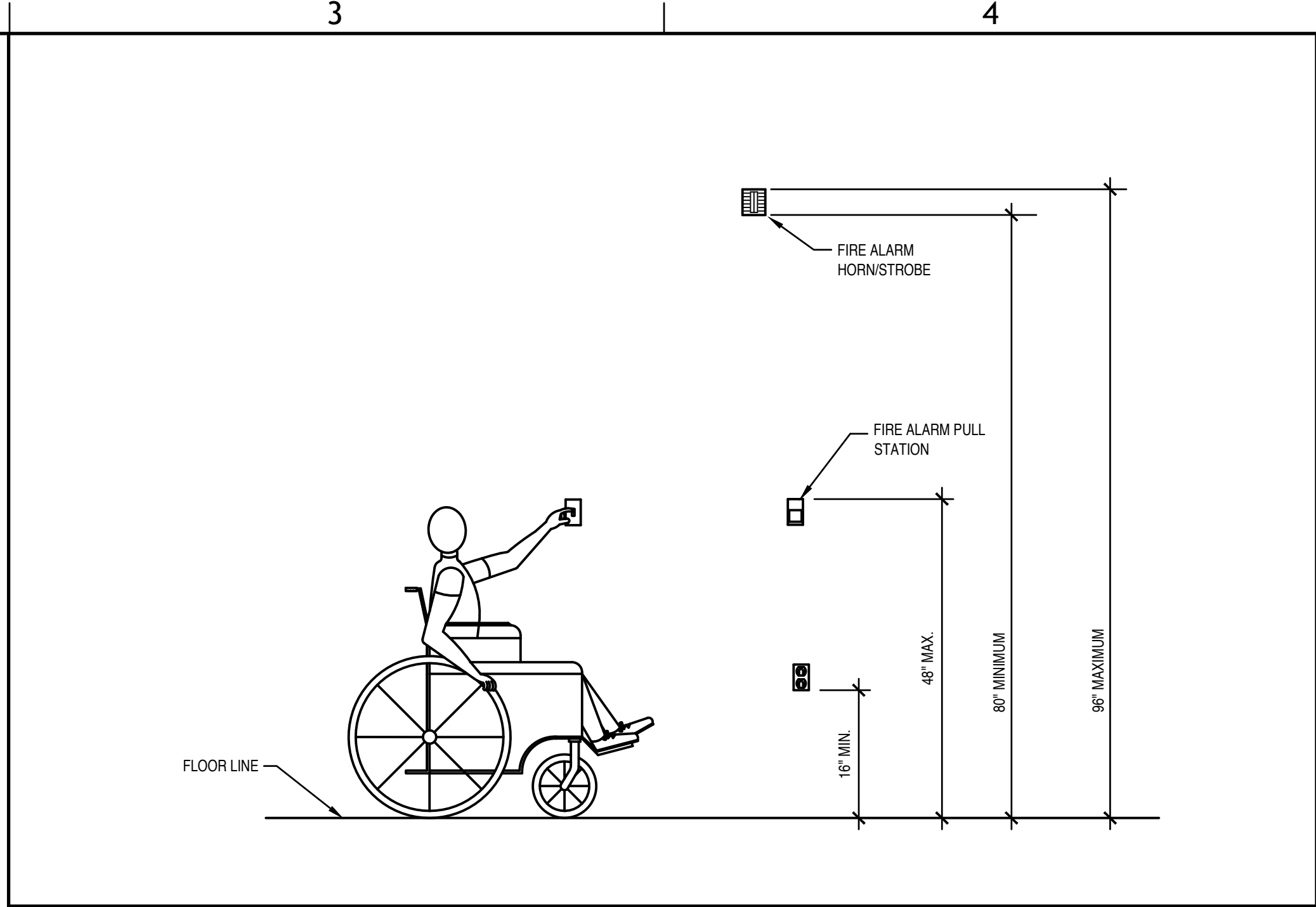
DETAILS

SHEET NUMBER

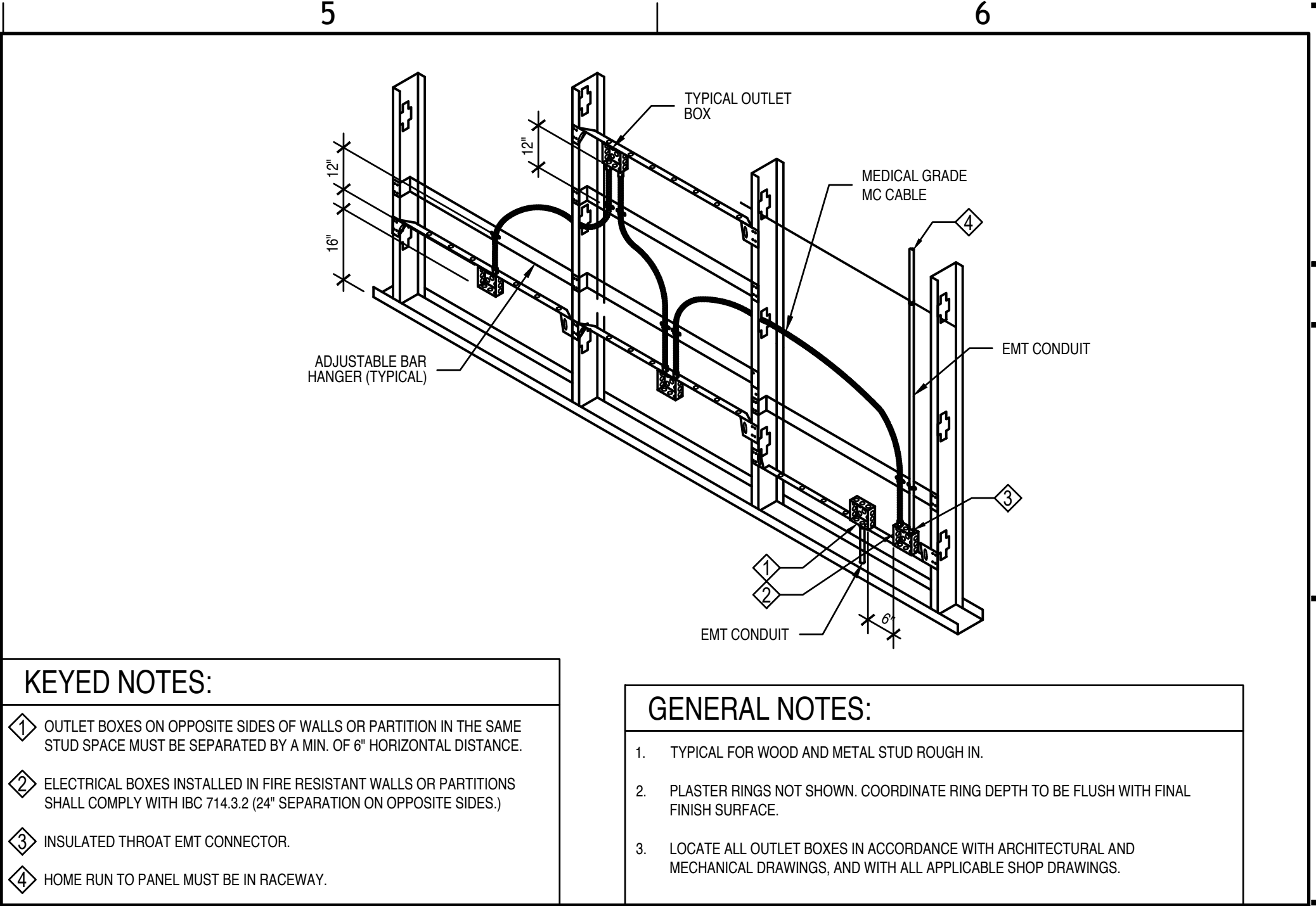
E502



○ ACCESS CONTROL DOOR LOCK DETAIL



④ DEVICE MOUNTING HEIGHTS INSTALLATION DETAIL



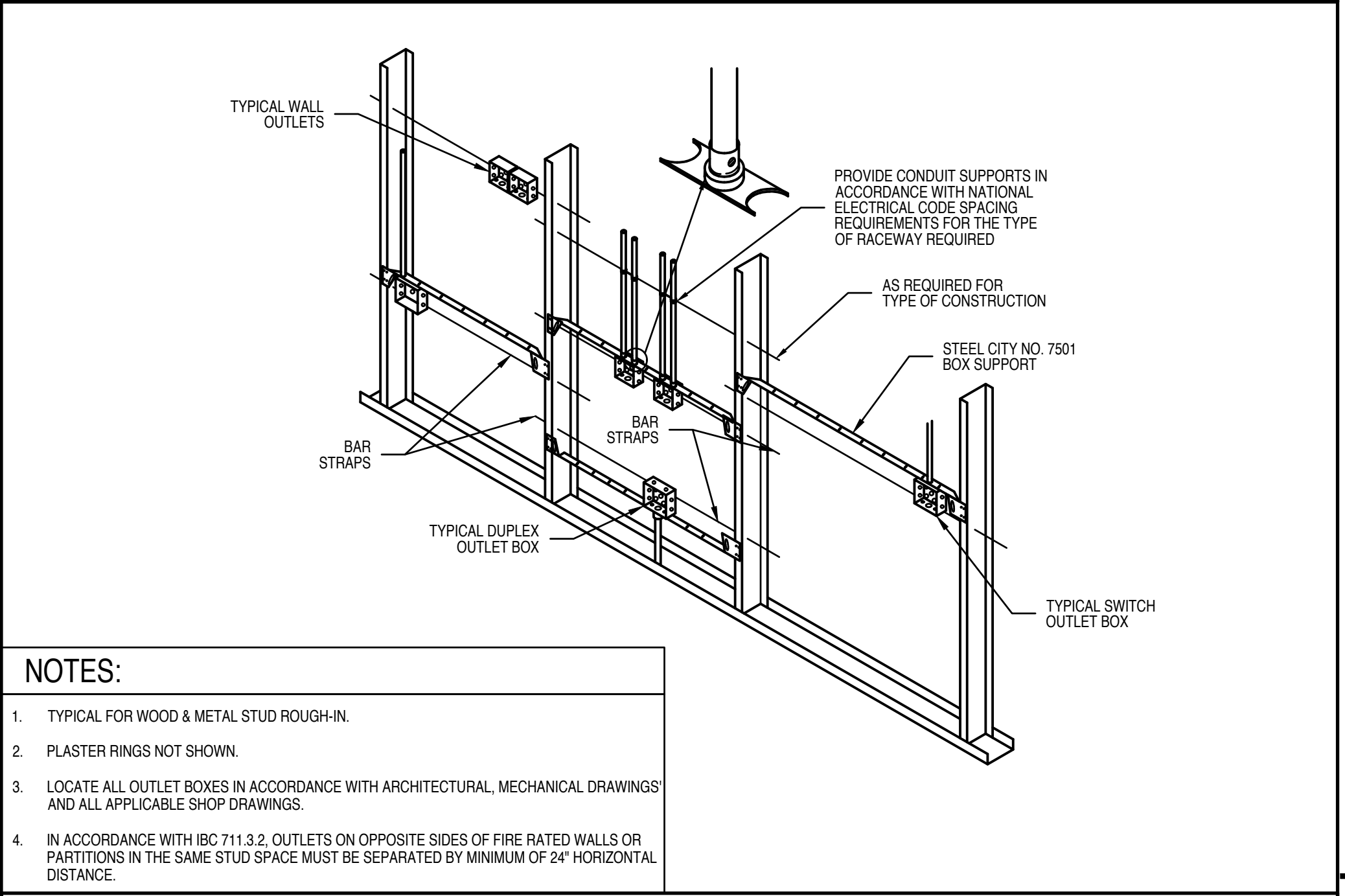
- KEYED NOTES:**
- ① OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITION IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
 - ② ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.3.2 (24" SEPARATION ON OPPOSITE SIDES.)
 - ③ INSULATED THROAT EMT CONNECTOR.
 - ④ HOME RUN TO PANEL MUST BE IN RACEWAY.

- GENERAL NOTES:**
- 1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
 - 2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISH SURFACE.
 - 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.

① ROUGH-IN DETAIL FOR MEDICAL GRADE MC CABLE



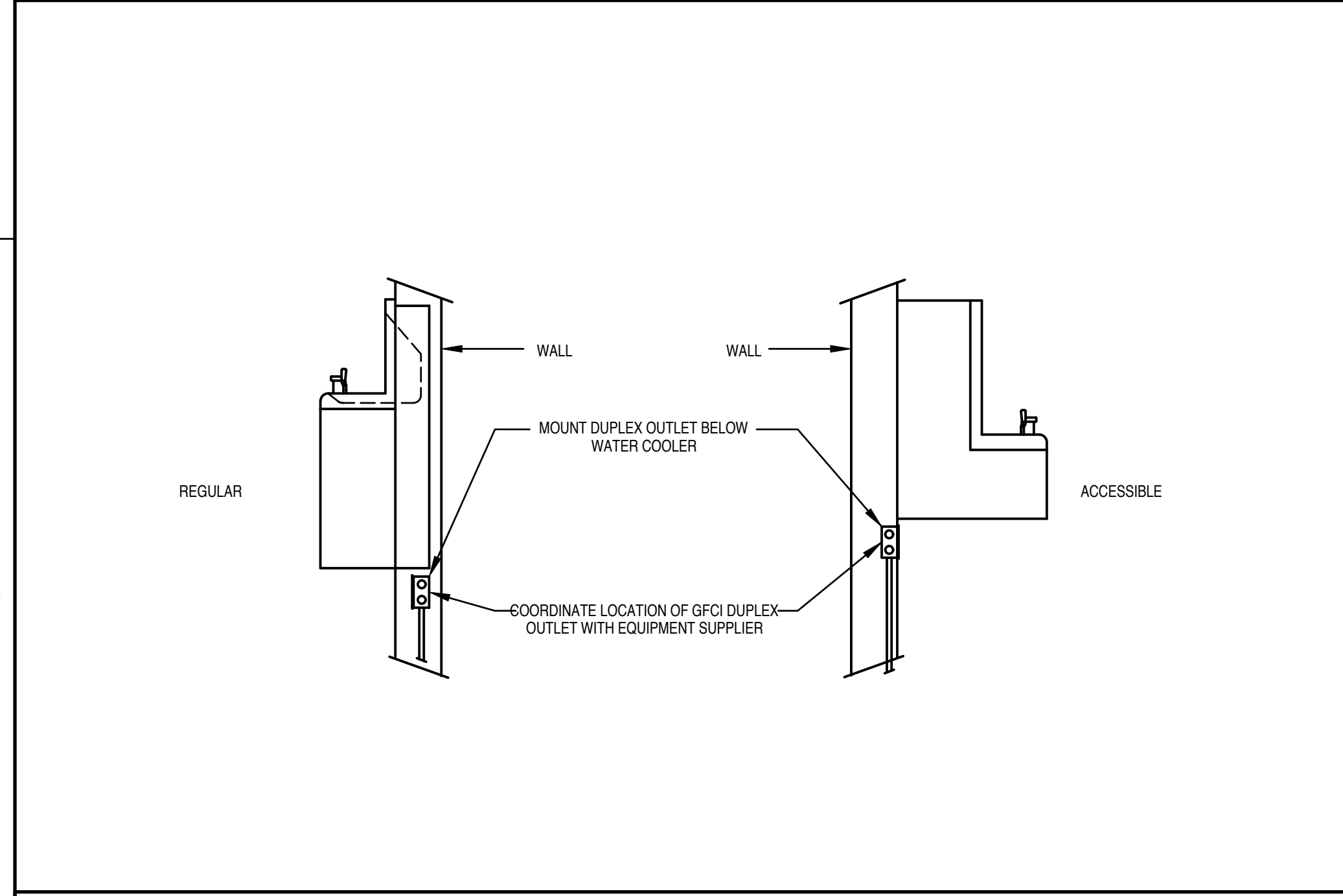
- NOTES:**
- 1. COORDINATE STATION AND PORT LABELING WITH OWNER.
 - 2. ALL PATCH CABLES AND STATION CABLES SHALL BE PROVIDED AND INSTALLED BY EC.
 - 3. ALL PATCHING AND/OR CROSS CONNECTION SHALL BE PERFORMED BY THE EC.
 - 4. MATCH FACEPLATE COLOR TO RECEPTACLES.



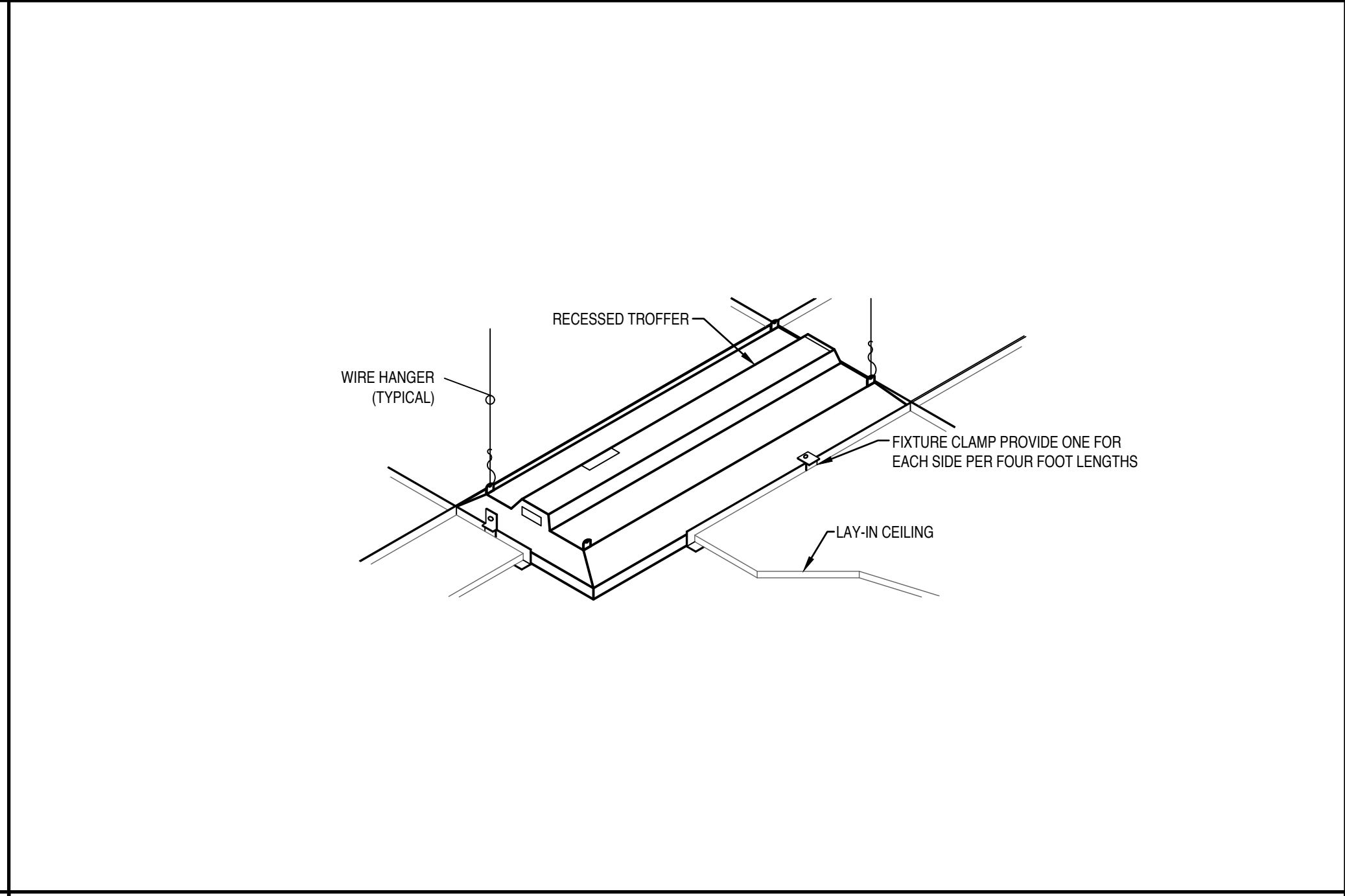
- NOTES:**
- 1. TYPICAL FOR WOOD & METAL STUD ROUGH-IN.
 - 2. PLASTER RINGS NOT SHOWN.
 - 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL, MECHANICAL DRAWINGS AND ALL APPLICABLE SHOP DRAWINGS.
 - 4. IN ACCORDANCE WITH IBC 711.3.2, OUTLETS ON OPPOSITE SIDES OF FIRE RATED WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY MINIMUM OF 24" HORIZONTAL DISTANCE.

⑤ DATA/VOICE JACK INSTALLATION DETAIL

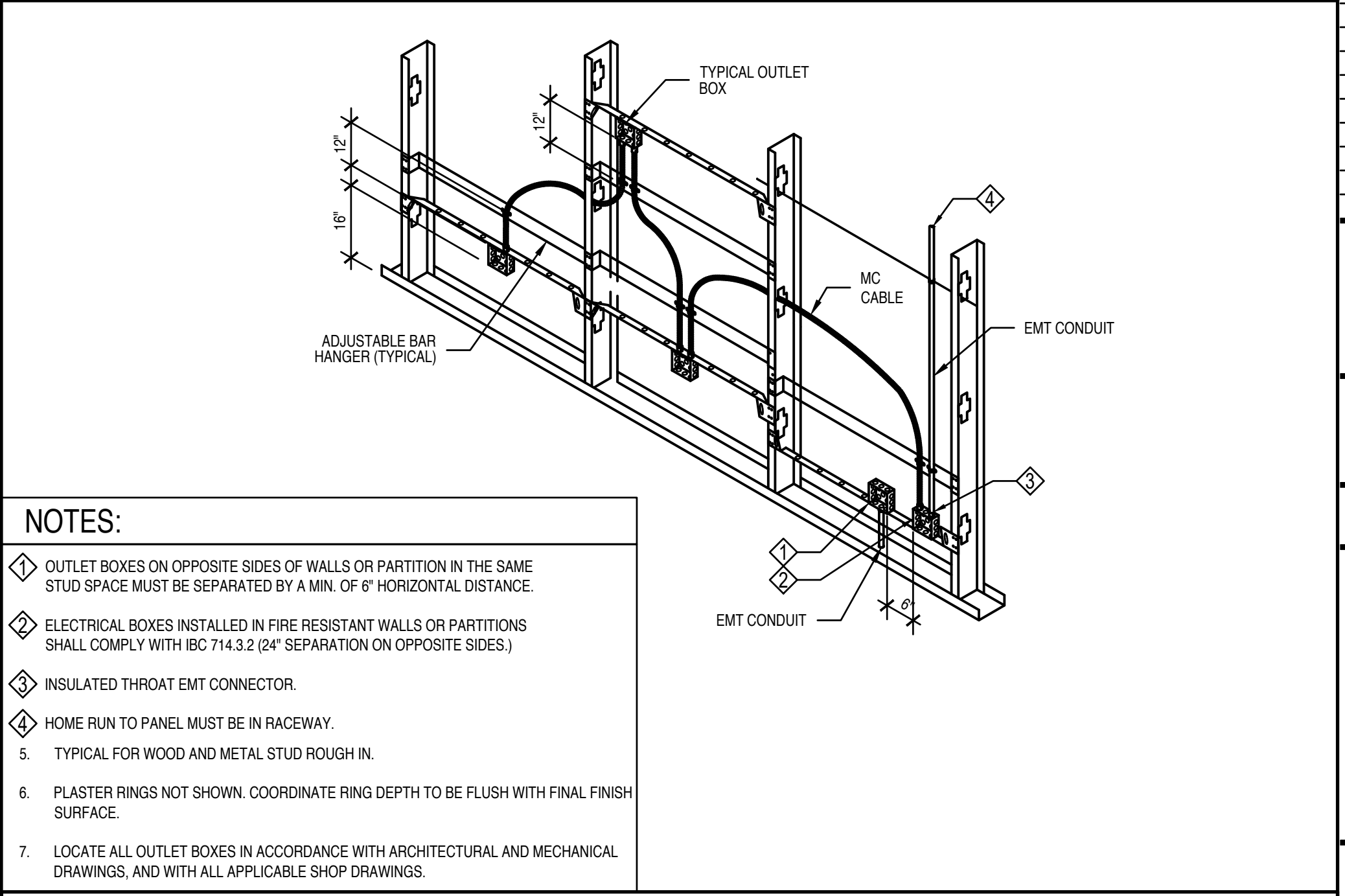
② ROUGH-IN DETAIL FOR CONDUIT



⑨ ELECTRIC WATER COOLER INSTALLATION DETAIL



⑥ TYPICAL RECESSED FIXTURE MOUNTING DETAIL



- NOTES:**
- ① OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITION IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
 - ② ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.3.2 (24" SEPARATION ON OPPOSITE SIDES.)
 - ③ INSULATED THROAT EMT CONNECTOR.
 - ④ HOME RUN TO PANEL MUST BE IN RACEWAY.
 - 5. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
 - 6. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISH SURFACE.
 - 7. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.

③ ROUGH-IN DETAIL FOR MC CABLE

EQUIPMENT SCHEDULE										
SYMBOL	DESCRIPTION	SERVICE		DISCONNECT		STARTER	LOAD			REMARKS
		VOLTS	PHASE	SIZE	FUSE		HP/TON	VA	AMPS	
EF 1	EXHAUST FAN	120 V	1Ø	INTEGRAL PLUG	-	-	-	100	0.8 A	EF CONTROLLED WITH LIGHTING
WH-1	WATER HEATER	120 V	1Ø	PLUG/ CORD	-	-	#N/A	#N/A	A	
RP-1	RECIRCULATION PUMP	120 V	1Ø	PLUG/ CORD	-	-	FRAC	240	2.0 A	

NOTES:
A. VERIFY ALL EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS (i.e. VOLTAGE, PHASE, FLA, ETC.) WITH MECHANICAL DRAWINGS/SUBMITTALS BEFORE FOR ACTUAL EQUIPMENT INSTALLED.
B. ALL FUSES SHALL BE DUAL ELEMENT TIME DELAY. FINAL BREAKER/FUSE & DISCONNECT SIZE SHALL BE DETERMINED BY MANUFACTURER'S RECOMMENDATION FOR ACTUAL EQUIPMENT INSTALLED.
C. MAXIMUM VALUES INDICATED.
D. DISCONNECTING MEANS NOT REQUIRED FOR EQUIPMENT WITHIN SIGHT (AS DEFINED IN NEC) OF BRANCH PANEL SERVING EQUIPMENT. SEE NEC 422.31 (B).
E. DISCONNECTING MEANS NOT REQUIRED FOR APPLIANCES NOT OVER 300 VA. SEE NEC 422.31 (A).

LIGHT FIXTURE SCHEDULE										
FIXTURE NUMBER	FIXTURE MANUFACTURER	FIXTURE CATALOG #	LAMPS		FIXTURE			DESCRIPTION	REMARKS	
			TYPE	QTY.	VOLTS	WATTS	MOUNTING			
F1/F1E	HALO COMMERCIAL LITHONIA LIGHTOLIER ELOO RAYON MAXILUME	PD610E0D15IEM/PM6A835/61VCJEM] LDN6 35/15 LOGAR LSS MVOLT E21 [EL] P6RD15NZ10UVBEM W/P6RD835VB W/P6RDCC EL685C750HWEL770CDXA-[EM] R8C8-L51-C7S-UNV-W-FM-C-[E117] HH6-LED-1500L-DM10-MVOLT-1MD-35K-90-[EMG-LED]HH6-6501-CL-WH	LED	3500 KELVIN 1500 LUMENS 80 CRI	INTEGRAL	120	21	RECESSED	LED DOWNLIGHT WITH ALZAK TRIM AND EMERGENCY BATTERY PACK WHERE NOTED.	ADD BRACKETED PORTION OF PART NUMBER FOR FIXTURES DESIGNATED FOR EMERGENCY OPERATION.
F2/F2E	LITHONIA COLUMBIA LSI METALUX DAYBRITE LIRON	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-[E10WLC] CBT24-A-LSCS-EDD-[ELL14] SFP24-LED-FS-UNV-DIM[EMCP] 24FPRL29CT3-[EL14W] 2SBP3550L8CS-4-UNV-DIM[ONLINE-MW20](VOLT)OP] PLB2-2X4[UW-3CCT-[EM]	LED	5000 LM 3500K CCT 80 CRI 0-10V DIM	INTEGRAL	120	51	LAY-IN GRID	2X4 RECESSED PANEL	ADD BRACKETED PORTION OF PART NUMBER FOR FIXTURES DESIGNATED FOR EMERGENCY OPERATION.
F3/F3E	LITHONIA COLUMBIA LSI METALUX DAYBRITE LIRON	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-[E10WLC] CBT24-A-LSCS-EDD-[ELL14] SFP24-LED-FS-UNV-DIM[EMCP] 24FPRL29CT3-[EL14W] 2SBP3550L8CS-4-UNV-DIM[ONLINE-MW20](VOLT)OP] PLB2-2X4[UW-3CCT-[EM]	LED	5000 LM 3500K CCT 80 CRI 0-10V DIM	INTEGRAL	120	51	FLANGE	2X4 RECESSED PANEL	ADD BRACKETED PORTION OF PART NUMBER FOR FIXTURES DESIGNATED FOR EMERGENCY OPERATION.
F4/F4E	LITHONIA COLUMBIA LSI METALUX DAYBRITE LIRON	CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT-[E10WLC] CFP22-40/33/2833[PLD10M] SFP22-LED-FS-UNV-DIM[EMCP] 22FPRL29CT3-[EL14W] 2SBP3040L8CS-2-UNV-DIM[ONLINE-MW20](VOLT)OP] PLB2-2X2[UW-3CCT-[EM]	LED	4000LM 3500K CCT 80 CRI 0-10V DIM	INTEGRAL	120	39	LAY-IN GRID	2X2 4RECESSED PANEL	ADD BRACKETED PORTION OF PART NUMBER FOR FIXTURES DESIGNATED FOR EMERGENCY OPERATION.
F5	LUMENWERX PINNACLE LUMINOUS GLOBAL PRUDENTIAL	CAMPSIB-PMO-LED-80CRI-875-40-80/20-4-UNV-1-52WAC36-W L8D1-A-70-840HO-4-?-U-PL2-1-0-CBA UDL-40-UJ-35-S-PX-RC WV2-LED35-S0-4-SAL-TMW-D9-SCUNV-CA48-DM01	LED	3500K CCT 3500 LM 80 CRI 80%DN/20%UP	INTEGRAL	120	35	SUSPENDED	SUSPENDED DIRECT/INDIRECT	FINISH SELECTED BY ARCHITECT
F6	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
F7	METALUX LITHONIA DAY-BRITE ATG COLUMBIA ORACLE ALPHALITE	4SNLED-LD4-30SL-LW-UNV-L835-CD1-U ZL1N-L48-3000LM-FST-MVOLT-35K-80CRI-WH FSS440L835-UNV-DIM LNS-4FT-25-T1-F-G2 LCL4-3SLW-EDU 4-OC1-LED-3000L-DIM10-MVOLT-35K-80 ILL-4-L(2S2)Ø-35	LED	3500 KELVIN 3000 LUMENS 80 CRI	INTEGRAL	120	29	SURFACE/CHAIN	48" LED STRIP	
EM	SURELITE LITHONIA EXTRONIX LSI DUAL-LITE MAXILUME EXTRONIX	SEL25 ELM2L LED-36-WH LSL-EDR1 EZ-2 ELM-LED-861 QMR-WH	INCLUDED	2	120	5.4	SURFACE WALL	2-HEAD EM WALL PACK (SURFACE)		
EX	SURELITES LITHONIA EXTRONIX LSI COMPASS MAXILUME EXTRONIX	LPXC25 LHOM-S-1-G-EL-N GVL-ED-U-WH-EL-90 LSCULS3GW CCG ELX-703-G-W QCRS-U-WH	INCLUDED	2	120	5.4	SURFACE WALL	2-HEAD EM WALL PACK (SURFACE) WITH EXIT LIGHT		

AREA TYPE	SEQUENCE OF OPERATION								NOTES
	MANUAL OVERRIDE	OCCUPANCY SENSOR	INTERIOR DAYLIGHT RESPONSE	TIME SWITCH					
Corridor		X	100%	30%	07:00	19:00			
Exterior - Security	X				DUSK	DAWN			
Exterior - Setback	X				DUSK,06:00	00:00,DAWN			NOTE 2 & 5.
Kitchenette		X							
Lobby	X				07:00	19:00			NOTE 2 & 5.
Office		X	50%	OFF			50 FC		
Restroom	X		100%						NOTE 3.
Stairwell	X	X	100%	30%	07:00	19:00			
Storage Room & Closet	X								

NOTES:
1. 20 MINUTE VACANCY TIME OUT TO OFF UNLESS OTHERWISE NOTED.
2. AFTER NORMAL HOURS OVERRIDE CANNOT EXCEED 2 HOURS.
3. TWO-RELAY WALL DEVICE OCCUPANCY SENSOR FOR SEPARATE CONTROL OF THE LIGHT AND EXHAUST FAN. LIGHTING CONTROL AS NOTED. FAN CONTROL AUTO ON 30 MINUTE VACANCY TIME OUT.
4. PROVIDE HOLD-ON (OPERATE INDEFINITELY) FOR LIGHT FIXTURE ILLUMINATING ELECTRICAL WORKSPACE PER NEC 110.26 (D).
5. VERIFY OPEN AND CLOSE BUSINESS HOURS WITH OWNER.
6. COMMISSION WIRELESS NETWORK LUMINAIRE LEVEL LIGHTING CONTROL AS DIRECTED BY OWNER, PER SAFETY REQUIREMENTS, AND PER IECC C405.2.
7. MANUAL OVERRIDE AT RELAY PANEL OR LOW VOLTAGE SWITCH LOCATION AS DIRECTED BY OWNER. VERIFY PRIOR TO BID.
8. VERIFY REQUIREMENT WITH OWNER PRIOR TO BID.



233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
core@corearch.com

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PROFESSIONAL STAMP

PRELIMINARY
NOT FOR
CONSTRUCTION

CONSULTANT INFORMATION



POWER ENGINEERING, PLLC
805 SOUTH 3430 WEST, LEHI UT 84043
(801) 367-5180 PROJECT BPE2567

PROJECT TITLE AND ADDRESS
**MILLCREEK
DERMATOLOGY**

4352 S. HIGHLAND DRIVE - SUITE XX
MILLCREEK - UT 84124

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION
DATE: NOVEMBER 2025
PROJECT #: 25-088
DRAWN BY: KYLE
PM / PA: KYLE

DRAWING SET STATUS
**SCHEMATIC DESIGN
DRAWINGS**

THIS DRAWING SET IS INTENDED
TO BE PRINTED IN COLOR

SHEET TITLE

**EQUIPMENT
SCHEDULE**

SHEET NUMBER

E601

K:\Projects\2025\Millcreek Dermatology - BPE2567\ED00 MILLCREEK DERM.dwg SAVED: 12/18/2025 8:57:36 PM PLOTTED: 12/18/2025 9:36:17 PM

Δ	DESCRIPTION	DATE

DATE: NOVEMBER 2025
PROJECT #: 25-088
DRAWN BY: KYLE
PM / PA: KYLE

PANEL SCHEDULE "C"																									
VOLTAGE: 208 Y/120 VOLTS					BUS RATING (AMPS): 225					REMARKS: EXISTING PANEL MANUFACTURED BY GE.															
MOUNTING: SURFACE					PHASE: 3 MAIN LUGS ONLY																				
ENCLOSURE: NEMA 1					WIRE: 4					MINIMUM EQUIPMENT RATING: #N/A AMPS (RMS-SYM) AFC #N/A															
CIRCUIT BREAKER	No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER			CKT. LOAD			LOAD/PHASE (VA)			CKT. LOAD			FEEDER			CIRCUIT NAME	MOD.	POLE	AMPS	No.
						C	WIRE	GRD	DEMAND FACTOR	WATTS	ØA	ØB	ØC	WATTS	DEMAND FACTOR	GRD	WIRE	C							
	1				(EM CIRCUIT UPPER FLOOR)				1.00			0				1.00					(RR LIGHT)	-			2
	3				(CO NE)				1.00			0				1.00					(CO)	-			4
	5				(RR CO. AUTOFLUSH)				1.00			0				1.00					(CO)	-			6
	7				(EWC)				1.00			0				1.00					(SOFFIT LIGHT E)	-			8
	9				(PANEL RM LIGHT & CO)				1.00			0				1.00					(RR NIGHT LIGHT & EM)	-			10
	11				(ELEC WATER HEATER)				1.00			0				1.00					(SOFFIT LIGHT W)	-			12
	13				(SW CORNER HEAT TAPE)				1.00			0				1.00					(RR EF)	-			14
	15				(NW CORNER HEAT TAPE)				1.00			0				1.00					(CO ROOF)	-			16
	17				SPACE				1.00			0				1.00					(CORE LIGHT)	-			18
	19				(CO)				1.00			0				1.00					(LIGHT CONTROL)	-			20
	21				(CO)				1.00			0				1.00					(HALL LIGHT)	-			22
	23				(CO)				1.00			0				1.00					SPACE	-			24
	25				(E LIGHT)				1.00			0				1.00					SPACE	-			26
	27				(WE OFF)				1.00			0				1.00					SPACE	-			28
	29				(SE OFF)				1.00			0				1.00					SPACE	-			30
	31				SPACE				1.00			0				1.00					SPACE	-			32
	33				SPACE				1.00			0				1.00					(WATER HTR EXAM RM T)	-	2	20	34
	35				SPACE				1.00			0				1.00						-			36
	37				SPACE				1.00			0				1.00					SPACE	-	3	100	38
	39				SPACE				1.00			0				1.00						-			40
	41				SPACE				1.00			0				1.00						-			42

NOTES:

A. ALL INSULATION ON CONDUCTORS TO BE THHN UNLESS NOTED OTHERWISE. INSULATION ON ALL UNDERGROUND EXTERIOR CONDUCTORS SHALL BE THHW.

B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.

C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ: "DANGER: POTENTIAL ARC FLASH HAZARD"

D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.

ØA	ØB	ØC	TOTALS
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
100%	100%	100%	PHASE BALANCE

0	CONNECTED LOAD (VA)
0	CONNECTED LOAD (A)
0	DEMAND FACTOR ADJUSTMENTS (VA)
0	TOTAL LOAD (VA)
0	TOTAL LOAD (A)
0	MAXIMUM LOAD (A)
0	PHASE BALANCE

PANEL SCHEDULE "C1"																									
VOLTAGE: 208 Y/120 VOLTS					BUS RATING (AMPS): 100					REMARKS: EXISTING PANEL MANUFACTURED BY GE.															
MOUNTING: SURFACE					PHASE: 3 MAIN LUGS ONLY																				
ENCLOSURE: NEMA 1					WIRE: 4					MINIMUM EQUIPMENT RATING: #N/A AMPS (RMS-SYM) AFC #N/A															
CIRCUIT BREAKER	No.	AMPS	POLE	MOD.	CIRCUIT NAME	FEEDER			CKT. LOAD			LOAD/PHASE (VA)			CKT. LOAD			FEEDER			CIRCUIT NAME	MOD.	POLE	AMPS	No.
						C	WIRE	GRD	DEMAND FACTOR	WATTS	ØA	ØB	ØC	WATTS	DEMAND FACTOR	GRD	WIRE	C							
	1	20	1	-	SPACE				1.00			0				1.00					SPACE	-	1	20	2
	3	20	1	-	SPACE				1.00			0				1.00					(FRIDGE BILLING)	-	1	20	4
	5	20	1	-	SPACE				1.00			0				1.00					SPACE	-	1	20	6
	7	20	1	-	(BREAKRM VENDING)				1.00			0				1.00					SPACE	-	1	20	8
	9	20	1	-	(WSTRN URO EXAM RMDRAIN PMP)				1.00			0				1.00					SPACE	-	1	20	10
	11	100	2	-	(SUITE104 SUB PANEL)				1.00			0				1.00					SPACE	-	1	20	12
	13	-	-	-					1.00			0				1.00					SPACE	-	1	20	14
	15	20	1	-	SPACE				1.00			0				1.00					SPACE	-	1	20	16
	17	20	1	-	SPACE				1.00			0				1.00					SPACE	-	1	20	18
	19	20	1	-	(WSTRN URO RECORDS ISLAND CO)				1.00			0				1.00					SPACE	-	1	20	20
	21	30	3	-	SPACE				1.00			0				1.00					SPACE	-	1	20	22
	23	-	-	-					1.00			0				1.00					SPACE	-	1	20	24
	25	-	-	-					1.00			0				1.00					SPACE	-	1	20	26
	27	-	-	-					1.00			0				1.00					SPACE	-			28
	29	-	-	-					1.00			0				1.00					SPACE	-			30
	31	-	-	-					1.00			0				1.00					SPACE	-			32
	33	-	-	-					1.00			0				1.00					SPACE	-			34
	35	-	-	-					1.00			0				1.00					SPACE	-			36
	37	-	-	-					1.00			0				1.00					SPACE	-			38
	39	-	-	-					1.00			0				1.00					SPACE	-			40
	41	-	-	-					1.00			0				1.00					SPACE	-			42

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ØA	ØB	ØC	TOTALS
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
100%	100%	100%	PHASE BALANCE

0	CONNECTED LOAD (VA)
0	CONNECTED LOAD (A)
0	DEMAND FACTOR ADJUSTMENTS (VA)
0	TOTAL LOAD (VA)
0	TOTAL LOAD (A)
0	MAXIMUM LOAD (A)
0	PHASE BALANCE

1 | 2 | 3 | 4 | 5 | 6

A

B

C

D

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