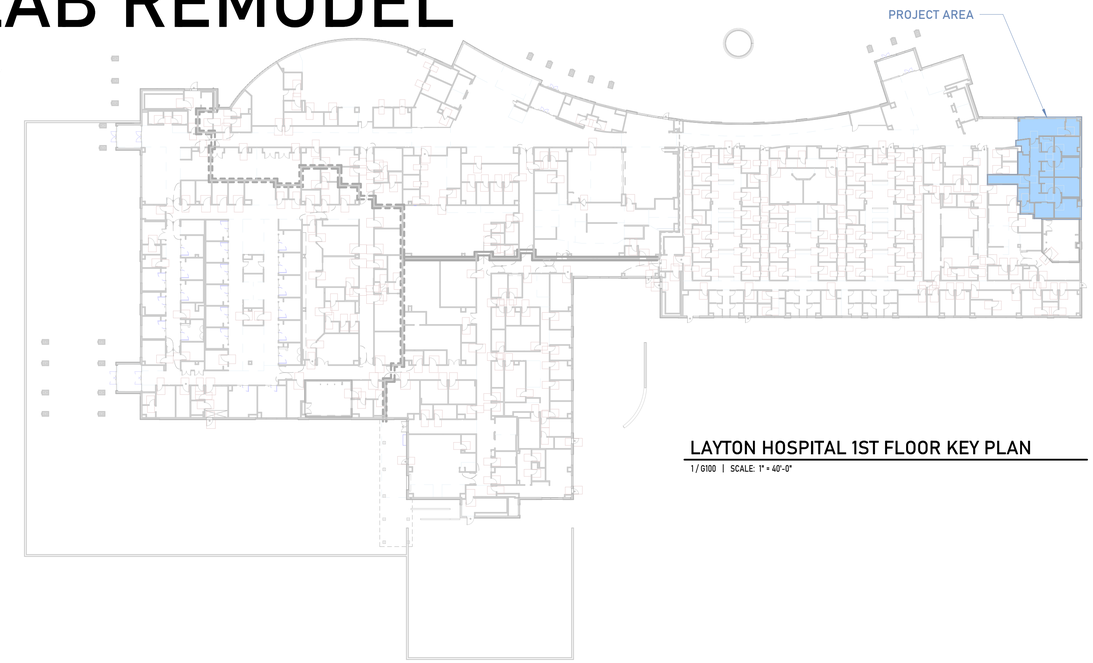
INTERMOUNTAIN HEALTH LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041



LAYTON HOSPITAL 1ST FLOOR KEY PLAN

1 / G100 | SCALE: 1" = 40'-0"

SHEET INDEX

SHEET #	SHEET NAME
GENERAL	
G100	TITLE SHEET
G101	LIFE SAFETY & CODE ANALYSIS
ARCHITECTURAL	
AD101	DEMOLITION PLANS
AD102	DEMOLITION CEILING PLANS
A101	FLOOR PLAN
A111	REFLECTED CEILING PLAN
A121	EQUIPMENT PLAN
A131	FINISH FLOOR PLAN
A401	ENLARGED VIEWS AND ELEVATIONS
A402	ENLARGED VIEWS AND ELEVATIONS
A501	ARCHITECTURAL DETAILS
A502	ARCHITECTURAL DETAILS
A601	DOOR SCHEDULE
MECHANICAL	
M001	HVAC TITLE SHEET
MZ101	LEVEL 1 HVAC ZONE PLAN
MD101	LEVEL 1 MECHANICAL DEMO PLAN
M101	LEVEL 1 MECHANICAL PLAN
MPD101	LEVEL 1 MECHANICAL PIPING DEMO PLAN
MP101	LEVEL 1 MECHANICAL PIPING PLAN
M500	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES
PLUMBING	
P001	PLUMBING TITLE SHEET
PD100	LEVEL 1 PLUMBING UNDERFLOOR DEMO PLAN
PD101	LEVEL 1 PLUMBING DEMO PLAN
P100	LEVEL 1 PLUMBING UNDERFLOOR PLAN
P101	LEVEL 1 PLUMBING PLAN
MGD101	LEVEL 1 MEDICAL GAS DEMO PLAN
MG101	LEVEL 1 MEDICAL GAS PLAN
P400	PLUMBING ENLARGED VIEWS
P500	PLUMBING DETAILS
P600	PLUMBING SCHEDULES
ELECTRICAL	
EE001	ELECTRICAL COVER SHEET
EE002	SYMBOLS LEGEND
EE003	TELECOM SCHEDULES AND NOTES
EE004	AUXILIARY SCHEDULES AND NOTES
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING DETAILS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
ED102	LEVEL 1 CEILING DEMOLITION PLAN
EP100	LEVEL 1 OVERALL POWER PLAN
EP101	LEVEL 1 POWER PLAN
EP201	LEVEL 1 ELECTRICAL RACEWAY PLAN
EP550	TELECOM EQUIPMENT RACK ELEVATIONS
EP551	TELECOM DETAILS
EP650	TELECOM CONDUIT & CABLE RISER DIAGRAM
EL101	LEVEL 1 LIGHTING PLAN
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
EL602	LIGHTING CONTROL SCHEDULES
EL603	LIGHTING RELAY & PANEL SCHEDULES
EY101	LEVEL 1 AUXILIARY PLAN
EY650	AUXILIARY DETAIL & RISER DIAGRAMS
FIRE SAFETY	
FX001	FIRE PROTECTION TITLE SHEET
FD101	LEVEL 1 FIRE PROTECTION DEMO PLAN
F101	LEVEL 1 FIRE PROTECTION PLAN

ABBREVIATION LEGEND

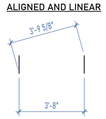
A.B.C.	AGREGATE BASE COURSE
A.F.F.	ABOVE FINISH FLOOR
ALUM.	ALUMINUM
BD.	BOARD
C.J.	CONSTRUCTION JOINT
CMU	CONCRETE MASONRY UNIT
CONT.	CONTINUOUS
C.P.	CENTER POINT
D.B.	DECK BEARING
DBL.	DOUBLE
DIA.	DIAMETER
E.J.	EXPANSION JOINT
E.Q.	EQUAL
F.D.	FLOOR DRAIN
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
F.E.	FIRE EXTINGUISHER
F.F.E.	FINISH FLOOR ELEVATION
F.O.C.	FACE OF CONCRETE
F.O.S.	FACE OF STUD
F.R.T.W.	FIRE RETARDANT TREATED WOOD
GA.	GAUGE
GYP. BD.	GYPSUM BOARD
H.C. RAMP	HANDICAP RAMP
HD. WD.	HARD WOOD
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.W.	HOT WATER
LAV.	LAVATORY
M.H.	MAN HOLE
MTL.	METAL
N.I.C.	NOT IN CONTRACT
OCC.	OCCUPANCY
O.C.	ON CENTER
OPP.	OPPOSITE
ORD.	OVER FLOW DRAIN
P.L.	PLASTIC LAMINATE
PLY WD.	PLYWOOD
P.T.	PRESSURE TREATED
RB.	REBAR
R.C.P.	REFLECTED CEILING PLAN
RD.	ROOF DRAIN
R.T.U.	ROOF TOP UNIT
S.	SEWER
S.D.	STORM DRAIN
SHT.	SHEET
SIM.	SIMILAR
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
WD.	WOOD
WR.	WATER RESISTANT

SYMBOLS LEGEND

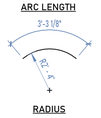
- 1 / A101 (SIM) — CALLOUT TAG
- ℄ — CENTERLINE SYMBOL
- Ref / 29 / A101 / 29 / Ref / Ref — INTERIOR ELEVATION CALLOUT TAG
- ? — KEYNOTE TAG, REFER TO REFERENCED NOTES ON EACH SHEET
- Ref / 1 / A101 — EXTERIOR (BUILDING) ELEVATION CALLOUT TAG
- Room Name / 101 — ROOM TAG: ROOM NAME, ROOM NUMBER, ROOM AREA
- 0 — GRID HEAD
- Name / Elevation — LEVEL CALLOUT TAG
- NORTH ARROW COMPASS, DIRECTION VARIES
- 1 — REVISION CLOUD TAG
- 1 / A101 (SIM) — SECTION CALLOUT TAG
- SECTION DIRECTIONAL TAIL
- LEVEL HEAD
- 1 / A101 — VIEW REFERENCE TAG

DIMENSION TYPES

ALIGNED AND LINEAR

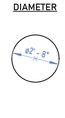


ARC LENGTH



RADIUS

DIAMETER



ANGULAR



ARCHITECTURAL TAGS

- 101 — DOOR TAG, SEE DOOR SCHEDULE
- ? — FINISH TAG, SEE FINISH SCHEDULE
- FW4 — WALL TAG, SEE WALL TYPES
- H — WINDOW TAG, SEE WINDOW TYPES
- C99 / 10'-11 5/8" — CEILING TAG
  CEILING TYPE, SEE FINISH SCHEDULE
  HEIGHT ABOVE FINISHED FLOOR
- 1i — EQUIPMENT TAG, REFER TO SCHEDULE
- ? — EXTERIOR MATERIAL TAG, SEE LEGEND
- 1i — PANEL TYPE TAG, SEE LEGEND

DEFERRED SUBMITTALS

1. NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM REVISIONS

GENERAL NOTES

A. BRIEFLY, AND WITHOUT FORCE AND EFFECT UPON THE CONTRACT DOCUMENTS, THE SCOPE OF WORK CAN BE SUMMARIZED AS FOLLOWS: WORK INCLUDES CONSTRUCTION OF NEW WALLS AND DOORS AS INDICATED ON THE DRAWINGS, NEW SUSPENDED CEILING & LIGHT FIXTURES MODIFICATIONS TO THE MECHANICAL AND ELECTRICAL SYSTEMS, FLOOR COVERINGS, PAINT AND MILLWORK.

B. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR SUCCESSFUL COMPLETION OF THE PROJECT.

C. CONTRACTOR SHALL BE UTAH STATE LICENSED FOR GENERAL BUILDING CLASSIFICATION AND SHALL SECURE ALL PERMITS, OBTAIN INSPECTIONS AND PAY ALL FEES AS MAY BE REQUIRED.

D. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO DETERMINE TOTAL SCOPE OF WORK REQUIRED FOR SATISFACTORY COMPLETION OF THE PROJECT.

E. THE PREMISES SHALL BE KEPT IN A NEAT AND ORDERLY CONDITION FOR THE DURATION OF THE PROJECT.

F. CONTRACTOR SHALL CONDUCT ALL WORK WITHOUT INTERFERING WITH THE BUILDING'S OPERATIONS OR INHIBITING ITS TENANTS FROM PERFORMING THEIR WORK. COORDINATE ALL ACTIVITIES WITH THE BUILDING OWNER TO INSURE APPROPRIATE STAGING AND OPERATIONS AREA AND TO INSURE THE SAFETY OF THE PUBLIC AND EMPLOYEES AT ALL TIMES.

G. ALL MATERIALS USED IN CONSTRUCTION SHALL BE NEW UNLESS OTHERWISE NOTED. MATERIALS MUST BE DELIVERED TO THE SITE IN ORIGINAL PACKAGING WITH LABELS INTACT.

H. ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (LATEST EDITION), INTERNATIONAL MECHANICAL CODE, NATIONAL ELECTRICAL CODE AS WELL AS ANY OTHER GOVERNING REGULATIONS.

I. CONTRACTOR SHALL AT ALL TIMES ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG HIS EMPLOYEES AND SHALL ENSURE THAT ALL WORK IS PERFORMED BY JOURNEYMAN MECHANICS SPECIFICALLY TRAINED AND CERTIFIED IN THE WORK THEY ARE DOING.

J. CONTRACTOR SHALL MAINTAIN AT THE SITE ONE COPY OF ALL DRAWINGS, SPEC.S, ADDENDA, APPROVED SHOP DRAWINGS, CHANGE ORDERS AND OTHER MODIFICATIONS IN GOOD CONDITION AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THESE DOCUMENTS, ALONG WITH ANY OPERATING AND MAINTENANCE MANUALS SHALL BE DELIVERED TO THE BUILDING OWNER AT FINAL INSPECTION.

K. CONTRACTOR AT COMPLETION OF WORK SHALL LEAVE THE BUILDING CLEAN AND HABITABLE WITH NO ADDITIONAL MAINTENANCE REQUIRED UPON OCCUPANCY UNLESS OTHERWISE INDICATED BY BUILDING OWNER.

L. IN GENERAL, DIMENSIONS ARE SHOWN TO FACE OF WALL UNLESS NOTED OTHERWISE.

M. ANY ITEMS NOT SPECIFICALLY MENTIONED WILL BE BUILDING STANDARD. VERIFY ANY QUESTIONS WITH ARCHITECT BEFORE SUBMITTING BIDS.

N. PAINT ALL NEW WALLS THREE COATS. 1ST COAT: LATEX PRIMER, 2ND & 3RD COATS: LATEX ENAMEL IN COLOR SELECTED BY TENANT. ALL PAINT TO BE BY SAME MANUFACTURER AND APPLIED AS PER MFR'S RECOMMENDATIONS. QUALITY TO BE MFR'S TOP COMMERCIAL GRADE. APPROVED MANUFACTURERS ARE: PRATT & LAMBERT, BENJAMIN MOORE, SHERWIN WILLIAMS, FULLER O'BRIEN AND PITTSBURGH PAINTS.

ICRA GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL TEMPORARY PARTITIONS. FINAL LOCATION, STAGING AND CONFIGURATION AS PER OWNER'S DIRECTION.
2. DISCONNECT OR ISOLATE HVAC SYSTEM IN CONSULTATION WITH THE ENGINEERING DEPARTMENT IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.
3. CONTRACTOR SHALL PROVIDE TEMPORARY EXHAUST FANS, HEPA FILTER UNITS & RELATED DUCTWORK TO PROPERLY VENTILATE SITE DURING DEMOLITION & CONSTRUCTION OPERATION. COORDINATE LOCATION OF EXHAUST OUTLET TO EXTERIOR W/ OWNER'S REPRESENTATIVE.
4. MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS OR OTHER METHODS.
5. RE-CIRCULATING HEPA UNITS MAY SUPPLEMENT DUST CONTROL MEASURES INSIDE THE WORK AREA.
6. ADDITIONAL HEPA FILTRATION UNIT SHOULD BE PLACED & INSTALLED NEAR ALL ENTRANCE AND EXIT TO THE WORK AREA.
7. COMPLETE ALL CRITICAL BARRIERS - I.E. GYP BOARD, PLYWOOD, PLASTIC, TO SEAL WORK AREA FROM NON-WORK AREA, OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS.
8. TRAFFIC PATTERNS FOR CONSTRUCTION WORKERS SHALL BE THE SAME AS THE MATERIAL DELIVERY ROUTE AND DEBRIS REMOVAL ROUTE. PATTERNS TO BE COORDINATED W/ OWNER REPRESENTATIVE
9. PLACE DUST MAT AT ENTRANCE AND EXIT OF WORK AREA AND REPLACE OR CLEAN WHEN NO LONGER EFFECTIVE
10. SAFETY WILL INSPECT ALL DUST CONTROL EQUIPMENT.
11. KEEP WORK AREA BROOM CLEAN AND REMOVE DEBRIS DAILY
12. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY SEALED CONTAINERS
13. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY
14. USE ONLY DESIGNATED ROUTE TO TRANSPORT MATERIALS OR CONSTRUCTION DEBRIS. AS DIRECTED BY OWNER REPRESENTATIVE.
15. CONTRACTOR ACCESS AND WORK HOURS TO BE COORDINATED WITH OWNER.
16. ON-SITE DUMPSTERS TO BE SECURED AND COVERED AT ALL TIMES.
17. TEMPORARY EXIT SIGNAGE TO BE INSTALLED WHICH ACCOUNTS FOR TEMPORARY PARTITION IN ORDER TO MAINTAIN A CLEAR PATH OF EGRESS.
18. REVIEW POTABLE WATER SYSTEM DISRUPTION POLICY IF APPLICABLE.
19. ALL TEMPORARY CONSTRUCTION DOORS TO BE SELF-CLOSING, WITH SELF-LOCKING HARDWARE CORRESPONDING APPROPRIATE RATINGS
20. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY THE INFECTION CONTROL DEPARTMENT.
21. CONTRACTOR TO CLEAN AREA WITH HEPA FILTERED VACUUM OR WET MOP AS APPROPRIATE TO THE SATISFACTION OF THE PROJECT MANAGER.
22. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

PROJECT CONSULTANTS

VERO ARCHITECTURE

ARCHITECT
1480 ORCHARD DRIVE, SUITE #105
BOUNTIFUL, UT 84010
VERO-ARCH.COM

RESOLUT GROUP

MECHANICAL, ELECTRICAL, PLUMBING ENGINEERS
181 EAST 5600 SOUTH SUITE 200
MURRAY, UT 84107
resolutgorup.com
(801) 530-3148
info@vbfa.com

SPECTRUM ENGINEERING

ELECTRICAL / LOW VOLTAGE ENGINEERS
324 SOUTH STATE STREET SUITE 400
SALT LAKE CITY, UT 84111
spectrum-engineers.com
(801) 328-5151

ENLARGED FLOOR PLAN

1 / A720 | SCALE: 1/8" = 1'-0"

(VIEW NUMBER) VIEW NAME REFERENCE, AND SCALE

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010 SUITE #105
vero-arch.com

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

BRENT J MURRAY 6432820 0101 REGISTERED ARCHITECT

2026.04.30

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

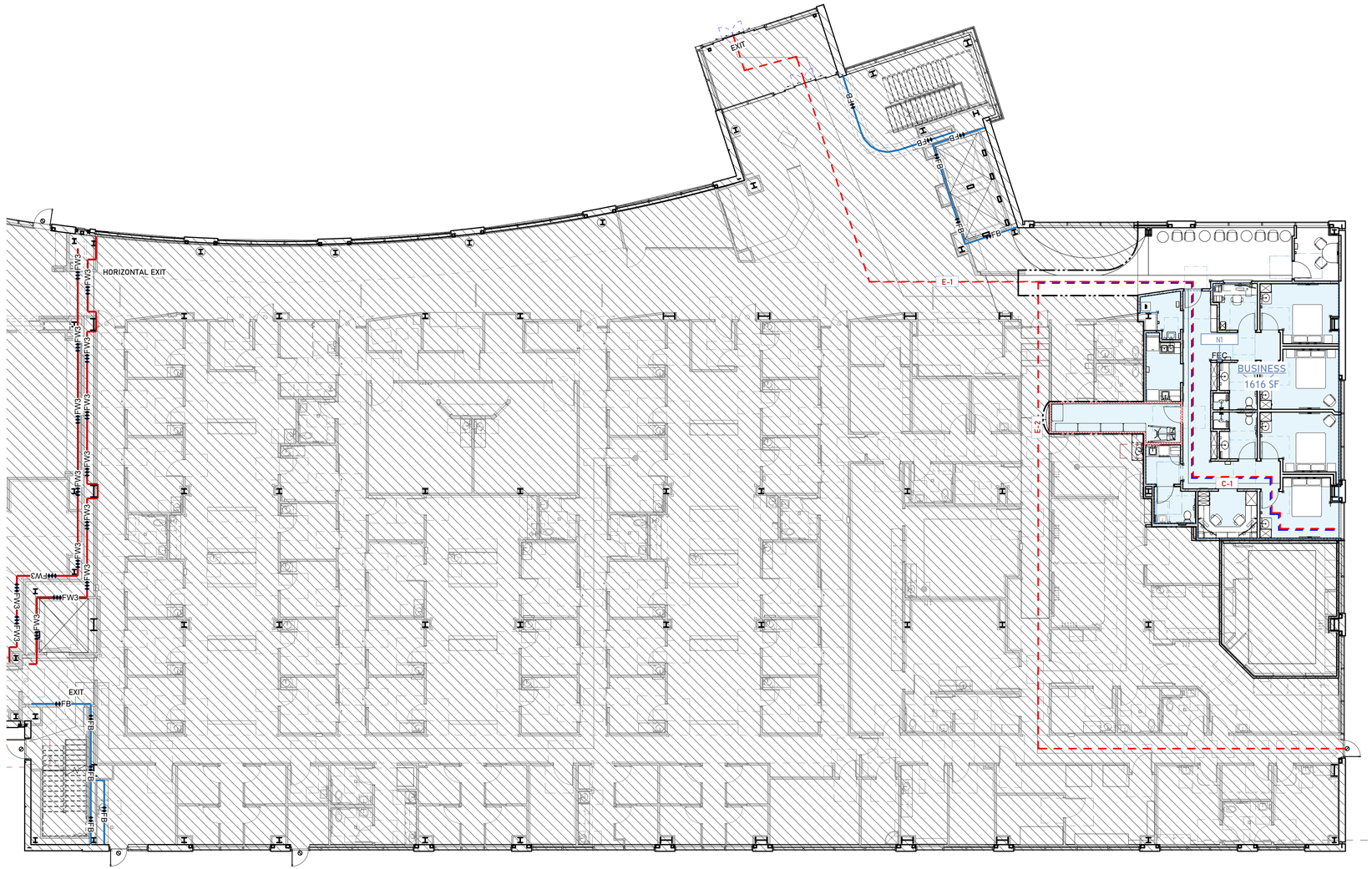
TITLE SHEET

SHEET NAME

G100

SHEET NUMBER

4/30/2026 3:31:19 PM



1 LIFE SAFETY PLAN
1 / G101 | SCALE: 3/32" = 1'-0"

CODE ANALYSIS

APPLICABLE CODES
INTERNATIONAL BUILDING CODE 2021
INTERNATIONAL MECHANICAL CODE 2021
INTERNATIONAL PLUMBING CODE 2021
NATIONAL ELECTRIC CODE 2023
INTERNATIONAL FIRE CODE 2021
INTERNATIONAL ENERGY CONSERVATION CODE 2021
INTERNATIONAL FUEL GAS CODE 2021
ICC-A117.1-2009

CHAPTER 3: OCCUPANCY CLASSIFICATION AND USE
304.1 BUSINESS GROUP B: CLINIC, OUTPATIENT

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS
TABLE 509.1 INCIDENTAL USES
B OCCUPANCY WASTE AND LINEN COLLECTION ROOMS OVER 100 SF - 1 HOUR OR PROVIDE W/ AUTOMATIC SPRINKLER SYSTEM
509.4.2 PROTECTION - WHERE TABLE 509.1 PERMITS AN AUTOMATIC SPRINKLER SYSTEM WITHOUT A FIRE BARRIER, THE INCIDENTAL USES SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE WALLS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR ASSEMBLY BELOW TO THE UNDERSIDE OF THE CEILING THAT IS A COMPONENT OF A FIRE-RESISTANCE RATED FLOOR ASSEMBLY OR ROOF ASSEMBLY ABOVE OR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE. DOORS SHALL BE SELF- OR AUTOMATIC CLOSING UPON DETECTION OF SMOKE IN ACCORDANCE WITH SECTION 716.2.6.6 DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF THE CLEARANCE PERMITTED IN ACCORDANCE WITH NFPA 80. WALLS SURROUNDING THE INCIDENTAL USE SHALL NOT HAVE AIR TRANSFER OPENINGS UNLESS PROVIDED WITH SMOKE DAMPERS IN ACCORDANCE WITH SECTION 710.8

CHAPTER 6: TYPES OF CONSTRUCTION
EXISTING BUILDING IS BUILT AS A TYPE II-B CONSTRUCTION TYPE

CHAPTER 10: MEANS OF EGRESS
TABLE 1004.5
OUTPATIENT AREAS -100 SF/OCCUPANT.
AFFECTED AREA 1,616 SF/(100 SF/OCC.) = 17 OCCUPANTS.
1005.3.2 OTHER EGRESS COMPONENTS -(0.2"/OCC.) x XXX OCC. = XX.X" (OKAY).
TABLE 1006.2.1
SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY.
B OCCUPANCY OCCUPANT LOAD UNDER 49 AND BUILDING IS EQUIPPED WITH AUTOMATIC FIRE SPRINKLER SYSTEM. REQUIRES 1 EXIT AND 100' COMMON PATH OF TRAVEL
TABLE 1017.2
300' EXIT TRAVEL DISTANCE IN A B-OCCUPANCY SPRINKLERED BUILDING.
TABLE 1020.1
CORRIDORS ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED IN A B-OCCUPANCY SPRINKLERED BUILDING.
TABLE 1020.2
CORRIDORS ARE REQUIRED TO BE A MINIMUM OF 44" IN WIDTH.

LIFE SAFETY LEGEND

AREA OUTSIDE SCOPE OF WORK

ASSEMBLY FIRE RATINGS

- FP — 1 HR FIRE PARTITION
- FW — 2 HR FIRE WALL
- FW3 — 3 HR FIRE WALL
- FB — 1 HR FIRE BARRIER
- FB — 2 HR FIRE BARRIER
- SP — SMOKE PARTITION
- SB — 1 HR SMOKE BARRIER
- CONSTRUCTION TO RESIST THE PASSAGE OF SMOKE, SEE 509.4.2 IN CODE ANALYSIS

LIFE SAFETY TAGS

Name
150 SF — AREA TAG: AREA NAME / AREA (SF)

1i — EGRESS PATH AND TAG, REFER TO EGRESS PATH SCHEDULE

1i — COMMON PATH AND TAG, REFER TO EGRESS PATH SCHEDULE

1i — FIRE EXTINGUISHER TAG. TYPES:
EX1 EXISTING TO REMAIN
EX2 EXISTING FIRE EXTINGUISHER TO RECEIVE NEW SEMI-RECESSED CABINET TO MATCH N1
N1 NEW F.E.C. PER CODE ANALYSIS

4.50 LF — DIAGONAL DISTANCES AND TAG (DISTANCE IN LINEAR FEET)

OCCUPANCY TYPES

BUSINESS AREAS

UNCONCENTRATED ASSEMBLY

EGRESS PATH SCHEDULE

MARK	PATH DISTANCE
LIFE SAFETY - COMMON PATH	
C-1	97'-6 9/16"
LIFE SAFETY - EGRESS PATH	
E-1	186'-9 3/16"
E-2	236'-8 1/4"

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP
LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

BRENT J MURRAY — LICENSED ARCHITECT — STATE OF UTAH
2026.04.30
ARCHITECT STAMP

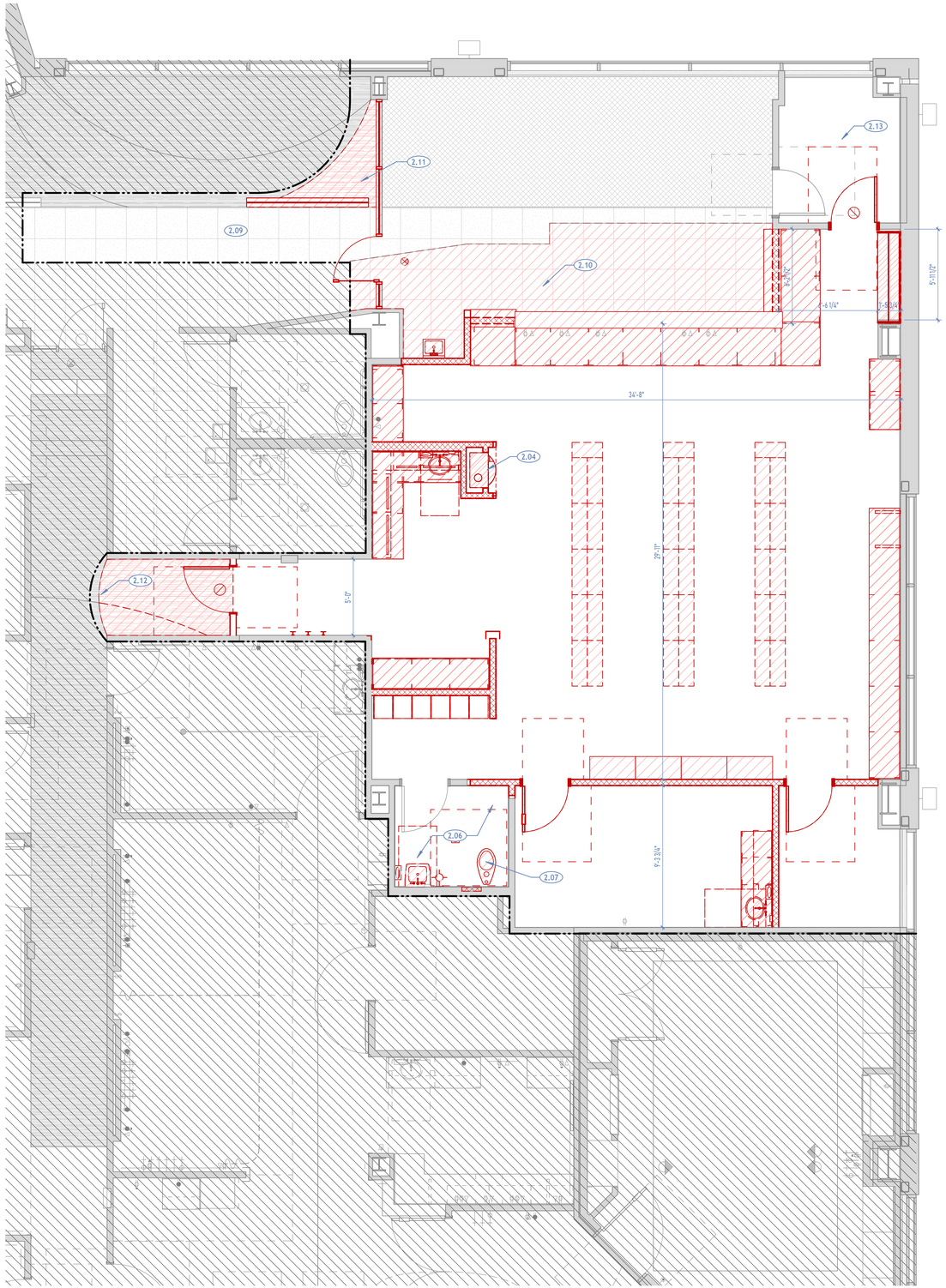
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

LIFE SAFETY & CODE ANALYSIS
SHEET NAME

G101
SHEET NUMBER

4/30/2026 3:31:20 PM



1 MAIN FLOOR DEMO PLAN
1/AD101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

DEMOLITION GENERAL NOTES

1. BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD
2. RED DASHED LINES REPRESENT WALLS, MILLWORK, AND OTHER ARCHITECTURAL ELEMENTS TO BE DEMOLISHED. CAP ANY UNUSED PLUMBING AND ELECTRICAL CONDUIT BELOW FINISH FLOOR. PATCH AND REPAIR FLOOR AS REQUIRED PRIOR TO INSTALLATION OF USED FIXTURES, CLEAN AND TOUCH UP FINISHES OF FIXTURES AS REQUIRED.
3. REMOVE ALL EXISTING FLOOR FINISHES INCLUDING WALL BASE, UNLESS NOTED AS "EXISTING TO REMAIN" ON FLOOR PLAN. BE SURE TO REMOVE ALL ADHESIVE, ETC. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED BEFORE INSTALLING NEW FINISHES
4. ALL EXISTING FURNITURE AND EQUIPMENT TO BE REMOVED BY OWNER, ALL NEW FURNITURE AND EQUIPMENT PURCHASED BY OWNER. SEE NEW EQUIPMENT SCHEDULE
5. SAW CUT AND PATCH / REPAIR CONCRETE SLAB FOR PLUMBING OF NEW RESTROOMS. SEE DETAILS FOR CONCRETE REQUIREMENTS.

REFERENCED NOTES

2.04	PNEUMATIC TUBE SYSTEM TO BE REMOVED, SEE ELECTRICAL FOR REQUIREMENTS
2.06	EXISTING FINISHES TO REMAIN
2.07	REMOVE TOILET AND LEAVE PLUMBING IN PLACE FOR NEW TOILET INSTALL.
2.09	ANY WORK WITHIN EXISTING LOBBY (INCLUDING EXHAUST DUCT DEMO AND RE-INSTALL) TO BE DONE AT NIGHT AND MUST BE PUT BACK TOGETHER BEFORE BUILDING RE-OPENS THE NEXT DAY.
2.10	CUT OUT TERRAZZO FLOOR, LINE UP CUTS WITH METAL STUDS TO ALLOW GYP BOARD TO COVER UP EDGE OF CUT FLOOR. REMOVE TERAZZO BASEBOARD, TO BE RE-USED IF POSSIBLE.
2.11	CUT OUT SHEET VINYL FLOORING
2.12	CUT OUT SHEET VINYL FLOORING, FIELD VERIFY RADIUS TO KEEP THE FISH CUT OUT IN PLACE.
2.13	

DEMOLITION PLAN LEGEND

- EXISTING WALL
- EXISTING STOREFRONT / CURTAIN WALL / WINDOW
- DEMOLISHED WALL, DOOR, ARCHITECTURAL MILLWORK, SHAPE VARIES
- AREA NOT IN PROJECT

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH
BRENT J MURRAY
6143800 OFFICE
REGISTERED ARCHITECT
2026.04.30
ARCHITECT STAMP

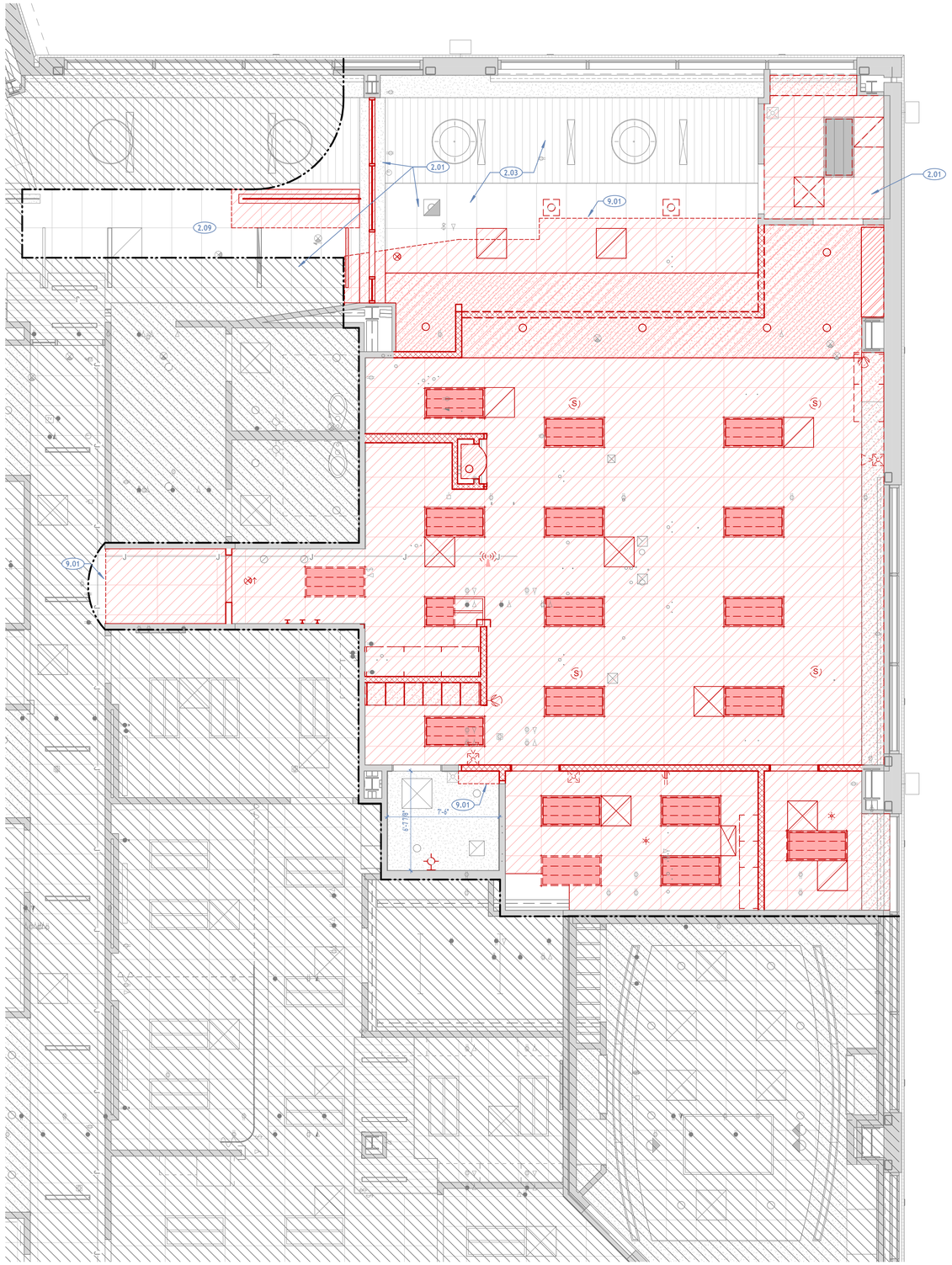
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

DEMOLITION PLANS
SHEET NAME

AD101
SHEET NUMBER

4/30/2026 3:31:21 PM



DEMOLITION GENERAL NOTES

1. BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD
2. RED DASHED LINES REPRESENT WALLS, MILLWORK, AND OTHER ARCHITECTURAL ELEMENTS TO BE DEMOLISHED. CAP ANY UNUSED PLUMBING AND ELECTRICAL CONDUIT BELOW FINISH FLOOR. PATCH AND REPAIR FLOOR AS REQUIRED PRIOR TO INSTALLATION OF USED FIXTURES, CLEAN AND TOUCH UP FINISHES OF FIXTURES AS REQUIRED.
3. REMOVE ALL EXISTING FLOOR FINISHES INCLUDING WALL BASE, UNLESS NOTED AS "EXISTING TO REMAIN" ON FLOOR PLAN. BE SURE TO REMOVE ALL ADHESIVE, ETC. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED BEFORE INSTALLING NEW FINISHES
4. ALL EXISTING FURNITURE AND EQUIPMENT TO BE REMOVED BY OWNER, ALL NEW FURNITURE AND EQUIPMENT PURCHASED BY OWNER. SEE NEW EQUIPMENT SCHEDULE
5. SAW CUT AND PATCH / REPAIR CONCRETE SLAB FOR PLUMBING OF NEW RESTROOMS. SEE DETAILS FOR CONCRETE REQUIREMENTS.

REFERENCED NOTES

2.01	EXISTING CEILING TO REMAIN
2.03	EXISTING CEILING IN WAITING AREA TO REMAIN, PATCH AND REPAIR AS NECESSARY
2.09	ANY WORK WITHIN EXISTING LOBBY (INCLUDING EXHAUST DUCT DEMO AND RE-INSTALL) TO BE DONE AT NIGHT AND MUST BE PUT BACK TOGETHER BEFORE BUILDING RE-OPENS THE NEXT DAY.
9.01	EXISTING CEILINGS, MODIFY EDGE FOR NEW WALL LOCATION

DEMOLITION PLAN LEGEND

- EXISTING WALL
- EXISTING STOREFRONT / CURTAIN WALL / WINDOW
- DEMOLISHED WALL, DOOR, ARCHITECTURAL MILLWORK, SHAPE VARIES
- AREA NOT IN PROJECT

1 MAIN FLOOR DEMO REFLECTED CEILING PLAN
1 / AD102 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

BRENT J MURRAY
9412837-0301
STATE OF UTAH
REGISTERED ARCHITECT
2026.04.30
ARCHITECT STAMP

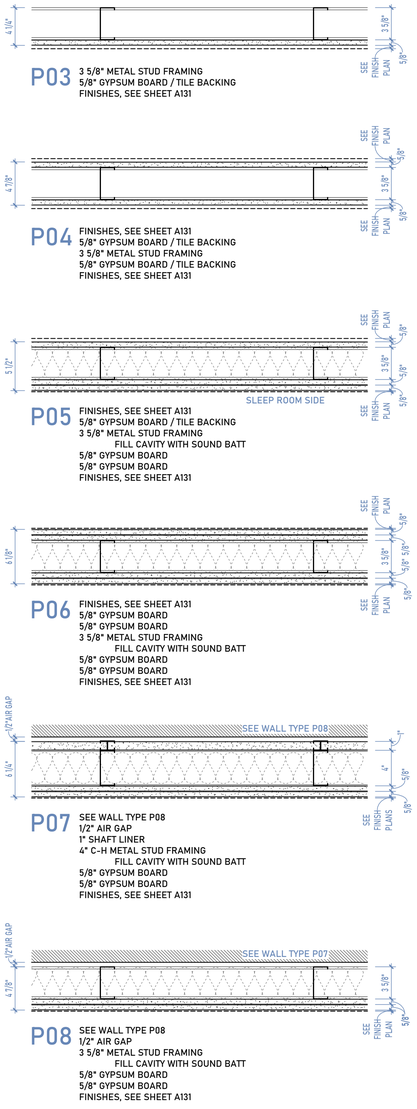
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

DEMOLITION CEILING PLANS
SHEET NAME

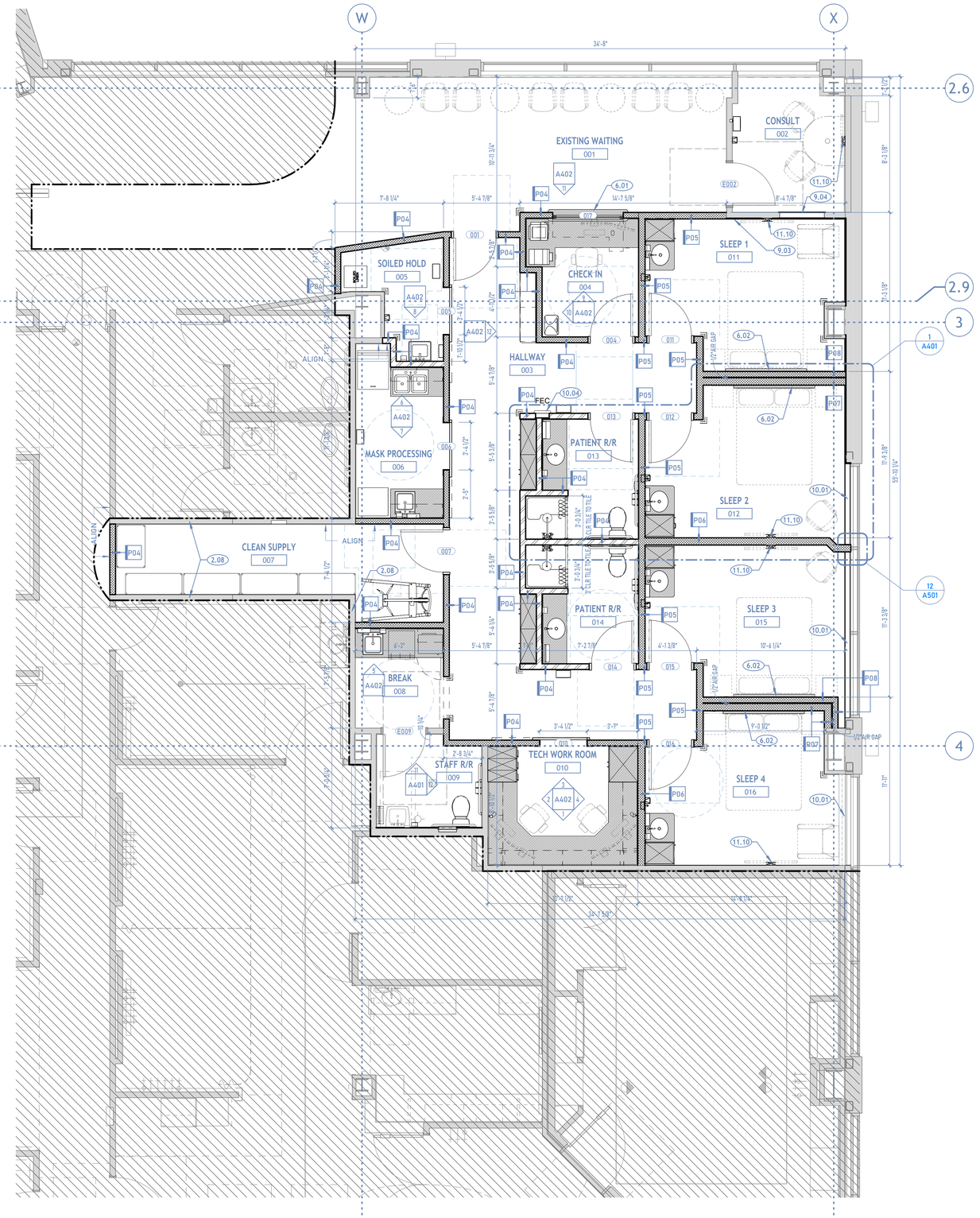
AD102
SHEET NUMBER

4/30/2026 3:31:23 PM



WALL TYPES

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



1 SLEEP LAB FLOOR PLAN

1 / A101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'

0 2"

1/4" = 1'-0"

GENERAL NOTES

A. DIMENSIONS ARE TO FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE.

B. PROVIDE SOLID FIRE RETARDANT TREATED BLOCKING IN ALL WALLS TO SUPPORT MILLWORK, ADJUSTABLE SHELVING EQUIPMENT ACCESSORIES, PLUMBING FIXTURES AND ACCESSORIES, ETC.

C. ELECTRICAL OUTLETS ARE TO BE @ 16" A.F.F. UNLESS NOTED OTHERWISE. COORDINATE ALL OUTLETS AND COMMUNICATION CONNECTIONS WITH MILLWORK DRAWINGS ON FINISH PLANS, SO THAT NO OUTLETS ARE PLACED BEHIND MILLWORK. ALL OUTLETS/COMMUNICATION OUTLETS SHALL BE VERIFIED WITH TENANT IN FIELD.

D. REQUIRED MEANS OF EGRESS AND FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE BUILDING. FIRE PREVENTION BUREAU STAFF SHALL APPROVE REVIEW OF ANY EXITING ALTERATIONS. AS REQUIRED IN IFC SECTION 3311.2

E. PROVIDE A MINIMUM 2A:10 BC RATED FIRE EXTINGUISHERS WITHIN 75-FOOT TRAVEL DISTANCE TO ALL SPACES IN THE STRUCTURE. DURING CONSTRUCTION, ALTERATION OR DEMOLITION IN THE FOLLOWING AREAS AS REQUIRED IN IFC CHAPTER 33:
   a. AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED.
   b. IN EVERY STORAGE AND CONSTRUCTION SHED.
   c. ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.

F. THERMAL AND SOUND INSULATION AND COVERING WHICH ARE INSTALLED IN CONCEALED AND EXPOSED SPACES AND AS COVERING OVER PIPE AND TUBING SHALL BE TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450.

G. FIRE STOPPING MATERIALS INSTALLED ARE REQUIRED TO HAVE LABELS ON BOTH SIDES OF THE PROTECTED PENETRATION.

H. FIRE STOPPING MATERIALS FOR NON-FERROUS PIPE, CONDUIT AND OTHER SYNTHETIC MATERIALS SHALL BE COMPATIBLE WITH EACH OTHER.

I. HOLD PLUMBING LINES, CONDUITS, ETC. AS CLOSE AS POSSIBLE TO STRUCTURAL COLUMNS TO MINIMIZE STUD FRAMED COLUMN WRAPS UNLESS SPECIFIC DIMENSIONS ARE GIVEN.

J. G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.

K. G.C. SHALL INSTALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.

L. ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.

M. G.C. SHALL PROVIDE UL APROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE ANY M.E.P. IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.

N. SEE G101 FOR CODE DIAGRAMS

O. BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD

REFERENCED NOTES

2.08	INSPECT EXISTING WALLS AROUND CLEAN SUPPLY TO ENSURE WALLS ARE BUILT TO RESIST THE PASSAGE OF SMOKE, ONE LAYER OF GYP BOARD TO DECK AND PENETRATIONS SEALED WITH COMPLIANT SEALANT, SEE G101 LIFE SAFETY PLAN
6.01	TRANSACTION TOP, SEE DETAILS.
6.02	BUILT-IN HEADBOARD
9.03	ADD ONE LAYER OF 5/8" GYPSUM BOARD TO EXISTING WALL
9.04	INFILL WALL, MATCH ASSEMBLY AND FINISH.
10.01	ROLLER SHADE W/ DUAL CURTAIN BLACK OUT AND 3%
10.04	SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH ADA ROLLED EDGE AND 1-1/2" WIDE GLASS WINDOW. PROVIDE WITH 5LB 2A:10B:C EXTINGUISHER
11.10	OWNER PROVIDED TELEVISION, PROVIDE POWER AND DATA. SEE ELECTRICAL. VERIFY HEIGHT WITH OWNER IN FIELD. PROVIDE BACKING FOR TV MOUNT.

FLOOR PLAN LEGEND

- WALL TAG, SEE WALL TYPES
- EXISTING WALL
- EXISTING STOREFRONT/CURTAIN WALL SYSTEM
- NEW PARTITION - METAL STUDS, 16" O.C. FRAMED A MINIMUM OF 6" ABOVE CEILING. SEE DETAIL 3/A501
- NEW PARTITION TO DECK - METAL STUDS, 16" O.C. SEE DETAIL 2/A501
- ARCHITECTURAL MILLWORK, SEE ENLARGED PLANS, ELEVATIONS, AND DETAILS
- ADA REQUIRED CLEARANCES, SEE 1/A501
- AREA NOT IN PROJECT

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

STATE OF UTAH
BRENT J MURRAY
6454809 0101
REGISTERED ARCHITECT

2026.04.30

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

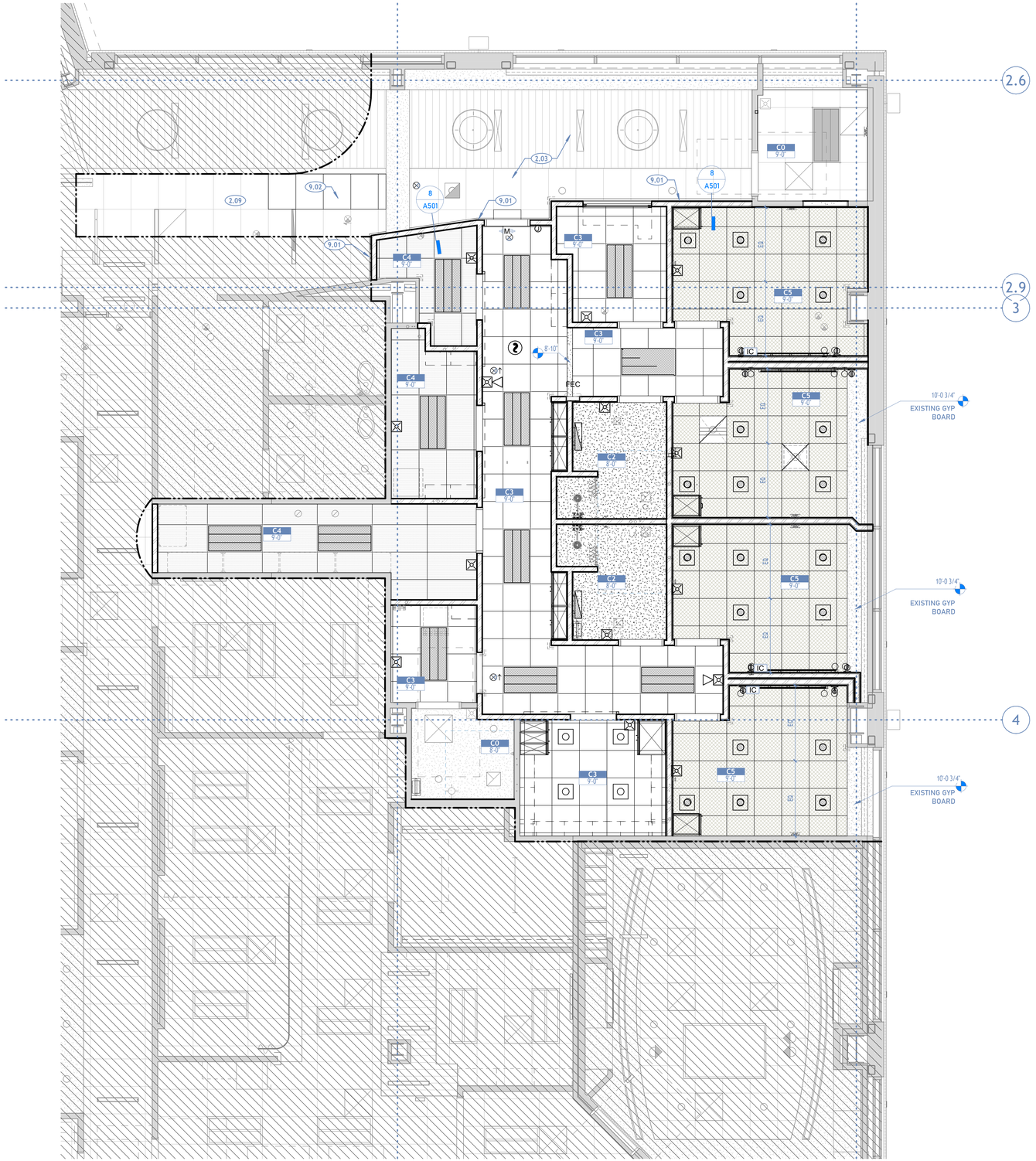
FLOOR PLAN

SHEET NAME

A101

SHEET NUMBER

4/30/2026 3:31:25 PM



1 MAIN FLOOR REFLECTED CEILING PLAN
1 / A111 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 1/4" = 1'-0" 2"

GENERAL NOTES

A. UNLESS NOTED OTHERWISE, CEILINGS SHALL BE SET AT 9'-0" A.F.F.

B. ELEVATION CALLOUT ARE FROM FLOOR LEVEL.

C. FIRE SPRINKLER HEADS SHALL BE PLACED IN CENTER OF CEILING PANELS.

D. REFER TO SEISMIC BRACING DETAILS ON SHEET A501 FOR BRACING OF SUSPENDED CEILING AND LIGHTS. TYPICAL OF ALL SUSPENDED CEILINGS.

E. NFPA 72 STATES THAT ANY REVISIONS TO THE FIRE ALARM SYSTEM, REQUIRE THAT 10% OF EXISTING FIXTURES BE RE-TEST. CONTRACTOR TO INCLUDE COST OF TESTING. SEE ELECTRICAL.

REFERENCED NOTES

2.03	EXISTING CEILING IN WAITING AREA TO REMAIN, PATCH AND REPAIR AS NECESSARY
2.09	ANY WORK WITHIN EXISTING LOBBY (INCLUDING EXHAUST DUCT DEMO AND RE-INSTALL) TO BE DONE AT NIGHT AND MUST BE PUT BACK TOGETHER BEFORE BUILDING RE-OPENS THE NEXT DAY.
9.01	EXISTING CEILINGS, MODIFY EDGE FOR NEW WALL LOCATION
9.02	NEW CEILING TILE AND GRID IN THIS AREA TO MATCH SURROUNDING CEILING

REFLECTED CEILING PLAN LEGEND

C99 (10'-11 5/8") — CEILING TAG
CEILING TYPE / CEILING HEIGHT A.F.F.

CEILING FIXTURE TYPES

FIXTURES WITH GRAY HATCHED BACKGROUND ARE NEW
FIXTURES WITH WHITE BACKGROUND ARE EXISTING

- 4" X 4' LINEAR LIGHT, SEE ELECTRICAL DRAWINGS
- CAN LIGHT, SEE ELECTRICAL DRAWINGS
- WALL MOUNTED VANITY LIGHTING, SEE ELECTRICAL DRAWINGS
- UNDER CABINET LIGHT, SEE ELECTRICAL DRAWINGS
- 2X4 LAY IN LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- MECHANICAL DIFFUSERS/ RETURN AIR PER MECHANICAL DRAWINGS

CEILING TYPES & FINISHES

C0	EXISTING TO REMAIN, PATCH AND REPAIR AS NEEDED
C1	SUSPENDED 24" x 48" ACOUSTIC CEILING TILE SYSTEM
C2	SUSPENDED GYPSUM BOARD CEILING/SOFFIT
C3	NEW SUSPENDED 24" x 24" ACOUSTIC CEILING TILE SYSTEM
C4	NEW SUSPENDED 24" x 48" HEALTHZONE ACOUSTIC CEILING TILE SYSTEM
C5	NRC RATED SUSPENDED 24" x 24" ACOUSTIC CEILING TILE SYSTEM ULTIMA NRC TEGULAR EDGE

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH — BRENT J MURRAY — 6432832-0301 — LICENSED ARCHITECT
2026.04.30
ARCHITECT STAMP

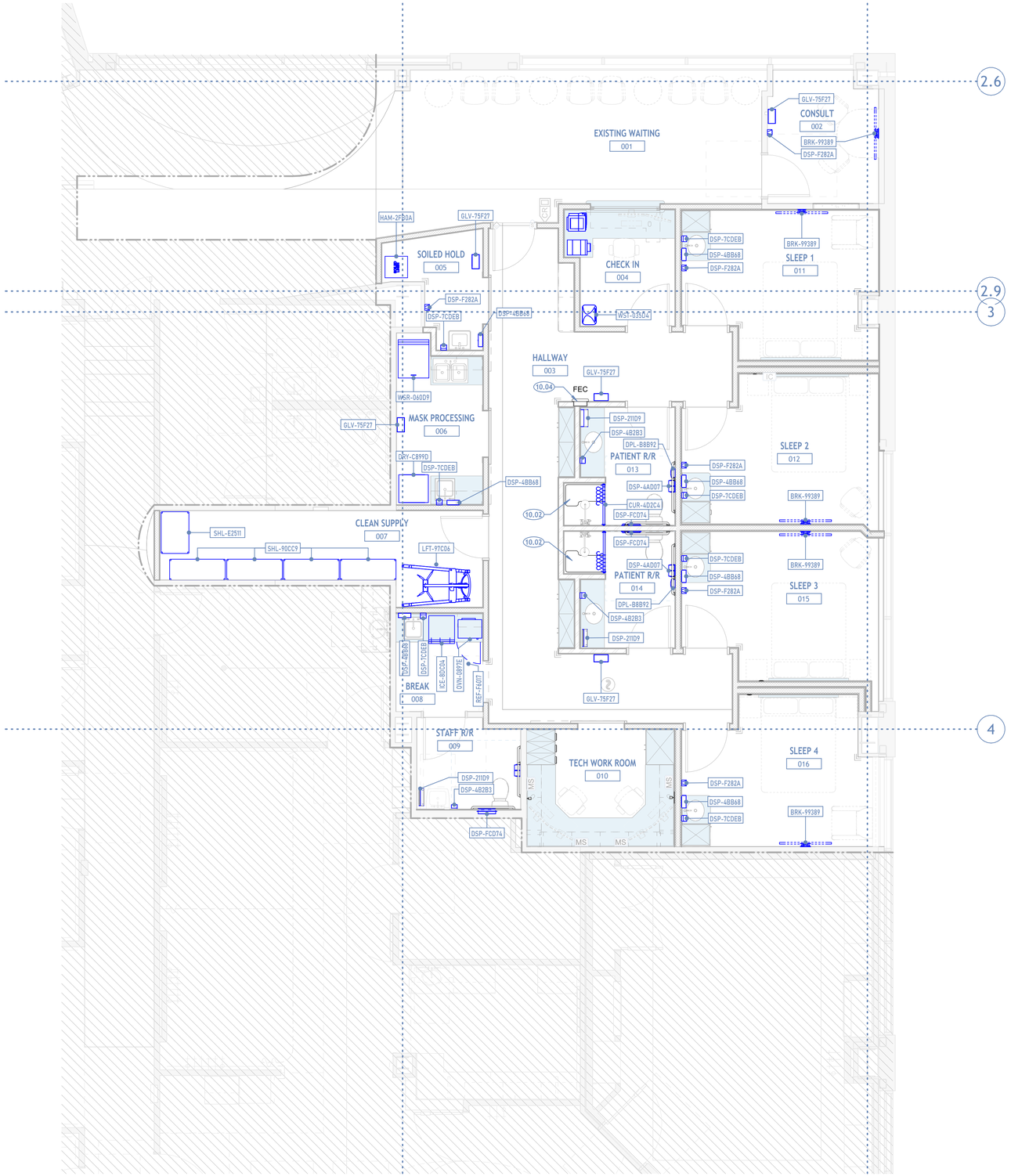
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

REFLECTED CEILING PLAN
SHEET NAME

A111
SHEET NUMBER

4/30/2026 3:31:27 PM



1 MAIN EQUIPMENT FLOOR PLAN

1 / A121 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'

0 2"

1/4" = 1'-0"

GENERAL NOTES

A. CONFIRM LOCATION OF ALL OWNER PROVIDED / CONTRACTOR INSTALLED ITEMS ON SITE PRIOR TO INSTALLATION.

B. "MARK ID" REFERS TO INTERMOUNTAIN HEALTH'S EQUIPMENT "ATTA3 ID" EQUIPMENT NUMBER. SEE OWNER'S PROVIDED CUT SHEET BOOK FOR OWNER PROVIDED EQUIPMENT.

REFERENCED NOTES

10.02	BRADLEY MODEL 9569 REVERSIBLE SHOWER SEAT, OR APPROVED EQUIVALENT, PROVIDE BACKING IN WALL
10.04	SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH ADA ROLLED EDGE AND 1-1/2" WIDE GLASS WINDOW. PROVIDE WITH 5LB 2A:10B:C EXTINGUISHER

OWNER PROVIDED EQUIPMENT SCHEDULE

MARK	EQ. DESCRIPTION	QTY.	CI	COMMENTS
	<varies>	2		
BRK-99389	TV WALL MOUNT	5	X	PROVIDE BACKING IN WALL
CUR-4D2C4	SHOWER CURTAIN AND ROD	2	X	CURTAIN IS OWNER PROVIDED / ROD IS CONTRACTOR PROVIDED
DPL-B8B92	SANITARY NAPKIN DISPOSAL	2	X	
DRY-C899D	MASK DRYER	1		VENDOR INSTALLED, GC TO COORDINATE, SPECIFIC ELECTRICAL CONNECTION REQUIRED
DSP-4AD07	TOILET PAPER DISPENSER	3	X	
DSP-4B2B3	SOAP DISPENSER	3	X	
DSP-4BB68	PAPER TOWEL DISPENSER	7	X	
DSP-7CDEB	SOAP DISPENSER - MANUAL	7	X	
DSP-211D9	PAPER TOWEL AUTOMATED - RESTROOM	3	X	
DSP-F282A	HAND SANITIZER DISPENSER	6	X	
DSP-FCD74	TOILET SEAT COVER DISPENSER	3	X	
GLV-75F27	THREE GLOVE DISPENSER	5	X	
HAM-2FB0A	LINEN HAMPER	1		
ICE-8DC04	COUNTER TOP ICE DISPENSER	1	X	PLUMBING CONNECTIONS REQUIRED, SEE ALSO WTR-F2C9F
LFT-97C06	PATINET LIFT	1		MOBILE
OVN-0897E	MICROWAVE OVEN	1		ELECTRICAL OUTLET FOR CONNECTION
REF-F6017	UNDER-CABINET FRIDGE	1		ELECTRICAL OUTLET FOR CONNECTION AND CLEAR AREA FOR CABINETS
SHL-90CC9	WIRE SHELVING	4		
SHL-E2511	WIRE SHELVING	1		
WSR-060D9	PASTEURIZATION	1	X	SEE PLUMBING / ELEC
WST-035D4	SHRED BIN	1		VENDOR INSTALLED, GC TO COORDINATE

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

STATE OF UTAH BRENT J MURRAY 12282201 REGISTERED ARCHITECT

2026.04.30

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

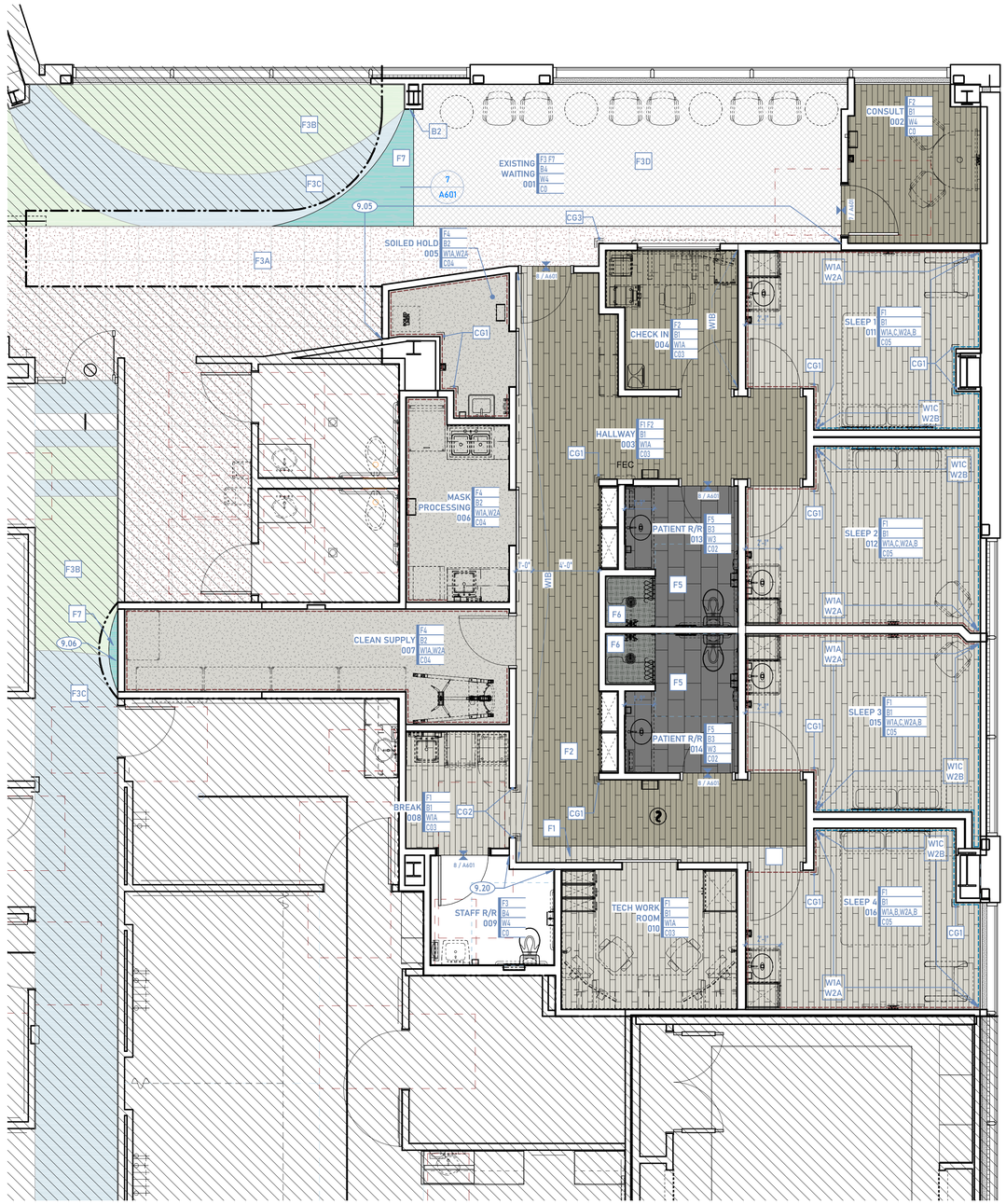
EQUIPMENT PLAN

SHEET NAME

A121

SHEET NUMBER

4/30/2026 3:31:29 PM



1 SLEEP LAB FINISH FLOOR PLAN
1 / A131 | SCALE: 1/4" = 1'-0"

0 10' 20' 40'
0 2"
1" = 20'-0"

GENERAL NOTES

A. SEE ELEVATIONS FOR EXACT FINISH LOCATIONS
B. ALL MATERIAL SUBSTITUTIONS MUST BE APPROVED BY ARCHITECT.
C. ALL TILE MUST BE INSTALLED ACCORDING TO RECOMMENDATIONS IN TCNA HANDBOOK INCLUDING UNCOUPLING MEMBRANES UNDER ALL FLOOR TILE, MOVEMENT JOINTS AND SOFT JOINTS AT TILE TO TILE CONNECTIONS.
D. PROVIDE ACROVYN CORNER GUARDS WHERE CALLED OUT ON PLANS.
E. SEE SHEET A601 FOR TRANSITIONS BETWEEN FLOORING MATERIALS.
F. ALL WALLS TO BE PAINTED W1A UNLESS NOTED OTHERWISE.
G. ALL HOLLOW METAL FRAMES TO BE PAINTED IN SEMI-GLOSS FINISH.
H. ALL CEILING GRID TO BE ARMSTRONG 15/16" PRELUDE SYSTEM - WHITE.

REFERENCED NOTES

9.05	NEW WALL TO HAVE TERRAZZO BASE TO MATCH EXISTING. RE-USE WHERE POSSIBLE.
9.06	PATCH WHERE NEW WALL IS AND COVE BASE TO MATCH ADJACENT WALL
9.20	PAINT NEW GYP BOARD IN RESTROOM CUSTOM COLOR TO MATCH EXISTING WALLS

FINISH LEGEND

? — FINISH TAG
1 / A101 — FLOORING TRANSITION TAG, SEE DETAILS
WALL PROTECTION
CG1 — CORNER GUARD
CG1 - ACROVYN SM-20 SERIES - 8' TALL INSTALLED AT TOP OF BASE
CG2 - ACROVYN SSM-25 END WALL - 8' TALL INSTALLED AT TOP OF BASE
CG3 - 4' TALL STAINLESS STEEL CORNER GUARD TO MATCH EXISTING LOBBY CORNER GUARDS

FLOOR FINISH

F1 LVT - TARKETT CONTOUR 4611 BROOK HILL
F2 LVT - TARKETT CONTOUR 4620 ARCHITE
F3 EXISTING TO REMAIN
A. TERRAZZO TILE
B. SHEET VINYL FLOORING - GREEN
C. SHEET VINYL FLOORING - BLUE
D. CARPET TILE
F4 SHEET VINYL - TARKETT OPTIMA 878 WARM GREY
F5 TILE - 12" X 24" UNITED CROSSVILLE: NOTORIOUS FILM NOIR (UNPOLISHED)
F6 TILE - 12" X 12" MOSIAC UNITED CROSSVILLE: NOTORIOUS FILM NOIR (UNPOLISHED)
F7 SHEET VINYL - TARKETT OPTIMAT LIGHT BLUE

BASE FINISH

B1 4" RUBBER BASE
B2 6" INTEGRAL COVED BASE
B3 6" TILE BASE, MATCH F5
B4 MATCH EXISTING BASE FINISHES IN ROOM

WALL FINISH

W1 5/8" GYPSUM BOARD, COLOR:
A. SW 7005 PURE WHITE
B. SW DEBONAIR
C. SW BLUSTERY SKY
W2 WALL PROTECTION ACROVYN 0.040" PANELS - 4' X 8' PANELS INSTALLED 3' TALL IN SLEEP ROOMS, 4' TALL IN ALL OTHER ROOMS. INSTALL HORIZONTALLY WITH TOP TRIM
A. COLOR: 262 DRIFTWOOD
B. COLOR: 848 ASPEN
W3 WALL TILE
A. 12" X 24" UNITED CROSSVILLE: NOTORIOUS FEMME FATALE (UNPOLISHED)
B. 12" X 12" MOSIAC UNITED CROSSVILLE: NOTORIOUS FEMME FATALE (UNPOLISHED)
W4 MATCH EXISTING WALL FINISHES IN ROOM

CEILING TYPES & FINISHES

C0 EXISTING TO REMAIN, PATCH AND REPAIR AS NEEDED
C1 SUSPENDED 24" x 48" ACOUSTIC CEILING TILE SYSTEM
C2 SUSPENDED GYPSUM BOARD CEILING/SOFFIT
C3 NEW SUSPENDED 24" x 24" ACOUSTIC CEILING TILE SYSTEM
C4 NEW SUSPENDED 24" x 48" HEALTHZONE ACOUSTIC CEILING TILE SYSTEM
C5 NRC RATED SUSPENDED 24" x 24" ACOUSTIC CEILING TILE SYSTEM
ULTIMA NRC TEGULAR EDGE

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

BRENT J MURRAY
6142892-0101
STATE OF UTAH
REGISTERED ARCHITECT
2026.04.30
ARCHITECT STAMP

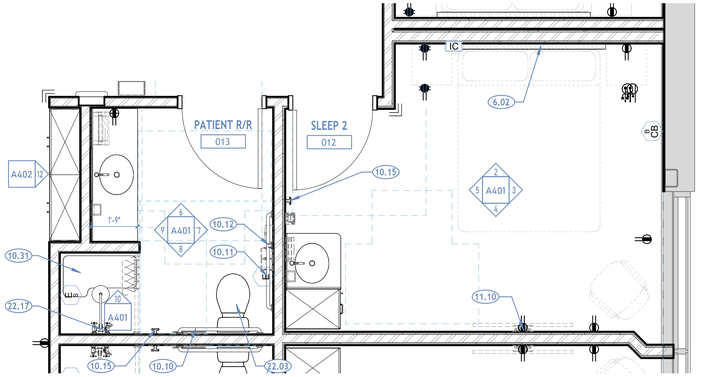
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

FINISH FLOOR PLAN
SHEET NAME

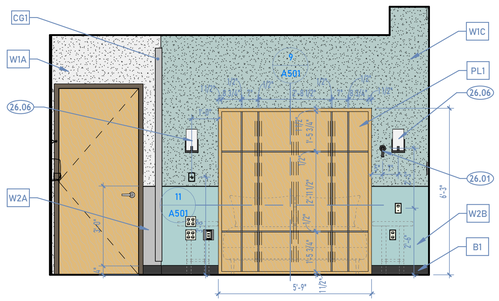
A131
SHEET NUMBER

4/30/2026 3:31:30 PM



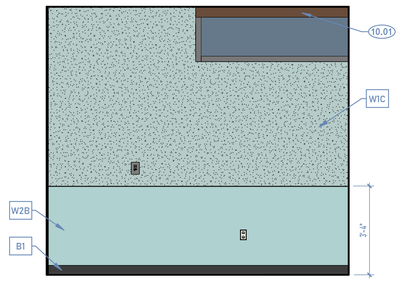
1 SIM. SLEEP ROOM AND PATIENT R/R PLAN

1 / A401 | SCALE: 3/8" = 1'-0"



2 SLEEP ROOM HEAD WALL

2 / A401 | SCALE: 3/8" = 1'-0"



3 SLEEP ROOM EXTERIOR WALL

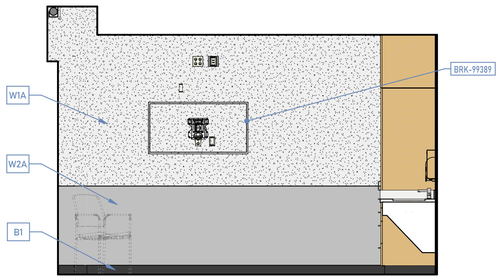
3 / A401 | SCALE: 3/8" = 1'-0"

MILLWORK GENERAL NOTES

1. ALL MILLWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.W.I. STANDARDS FOR REVEAL OVERLAY CONSTRUCTION, CUSTOM GRADE. PROVIDE EUROPEAN HINGES (135 DEGREE) AND HEAVY-DUTY DRAWER GLIDES. PULLS TO BE 4" WIRE PULLS W/ BRUSHED STAINLESS FINISH. VERIFY PULL STYLE WITH OWNER.
2. PROVIDE SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND TENANT BEFORE CONSTRUCTION OF MILLWORK.
3. ALL VERTICAL SURFACES, INCLUDING TOE KICKS TO BE PL1 UNLESS NOTED OTHERWISE.
4. ALL COUNTERTOPS AND BACKSPLASHES TO BE PL3 UNLESS NOTED OTHERWISE.
5. VERIFY ALL EQUIPMENT SIZES AND REQUIREMENTS WITH TENANT.
6. RADIUS ALL OUTSIDE CORNERS OF COUNTERS 2" WHERE POSSIBLE.
7. PROVIDE A LOCKABLE CABINET UNDER ALL SINKS.
8. VERIFY LOCATION OF DATA AND ELECTRICAL OUTLETS SO THAT THEY REMAIN ACCESSIBLE. ALL GROMMET LOCATIONS TO BE LOCATED IN THE FIELD BY TENANT AND CUT IN THE FIELD.
9. UNLESS NOTED OTHERWISE, PROVIDE MIN. 1 ADJUSTABLE SHELF IN BASE CABINETS AND UPPER CABINETS, AND 3 ADJUSTABLE SHELVES IN FULL HEIGHT CABINETS.
10. ALL FILE DRAWERS TO BE CONSTRUCTED IWTH INTEGRAL METAL RAILS FOR HANGING STANDARD SIZE FILE FOLDERS.
11. IMPORTANT: TEMPORARILY SUPPORT LOW WALLS UNTIL MILLWORK IS INSTALLED TO PROVIDE STABILITY. ANCHOR MILLWORK SIDES OR BACKS TO LOW WALLS AS POSSIBLE WITH SOLID BLOCKING IN WALLS FOR ATTACHMENT.
12. ALL UPPER CABINET MILLWORK SHALL HAVE UNDERCOUNTER LIGHT FIXTURE WHERE MILLWORK OCCURS ABOVE A SINK. COORDINATE WITH ELECTRICAL.

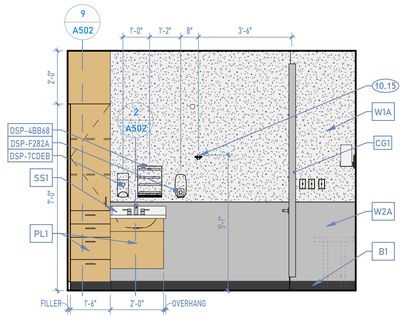
REFERENCED NOTES

2.02	REINSTALL OWNER PROVIDED BATHROOM ACCESSORIES
2.06	EXISTING FINISHES TO REMAIN
6.02	BUILT-IN HEADBOARD
10.01	ROLLER SHADE W/ DUAL CURTAIN BLACK OUT AND 3%
10.09	MIRROR, 24"X36". BRADLEY MODEL 781 OR APPROVED EQUAL. INCLUDE CONTINUOUS SPACERS AS REQUIRED BEHIND MIRROR TO ALLOW FOR LEVEL INSTALLATION.
10.10	INSTALL 36" LONG STAINLESS STEEL GRAB BAR @ REAR OF TOILET. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501.
10.11	INSTALL 42" LONG STAINLESS STEEL GRAB BAR @ SIDE OF TOILET. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501.
10.12	INTSALL 18" LONG VERTICAL STAINLESS STELL GRAB BAR ABOVE 42" SIDE GRAB BAR. BOTTOM OF VERTICAL GRAB BAR TO BE INSTALLED @ 39" A.F.F. SEE RESTROOM ELEVATION. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501.
10.15	WALL MOUNTED COAT HOOK
10.31	INSTALL ADA SHOWER BENCH, FOLDABLE, 250 LB. CAPACITY MIN.
10.39	NURSE CALL, SEE ELECTRICAL.
11.10	OWNER PROVIDED TELEVISION, PROVIDE POWER AND DATA. SEE ELECTRICAL. VERIFY HEIGHT WITH OWNER IN FIELD. PROVIDE BACKING FOR TV MOUNT.
22.03	TOILET, SEE PLUMBING.
22.17	HAND SHOWER WITH CONTROL WITH A NONPOSITIVE SHUT-OFF FEATURE. HOSE TO BE 59" MINIMUM IN LENGTH AND MOUNTED ON VERTICAL BAR INSTALLED SO AS TO NOT OBSTRUCT THE USE OF THE GRAB BARS.
26.01	MINI WALL MOUNTED READING SPOT LIGHT, SEE ELECTRICAL
26.06	WALL SCONCE LIGHT FIXTURE, SEE ELECTRICAL.
26.08	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL.



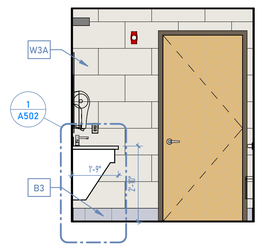
4 SLEEP ROOM TV WALL

4 / A401 | SCALE: 3/8" = 1'-0"



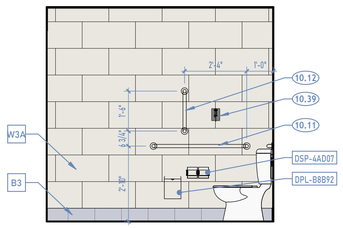
5 SLEEP ROOM CABINET WALL

5 / A401 | SCALE: 3/8" = 1'-0"



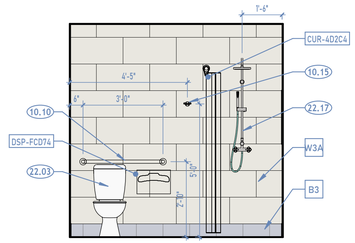
6 RESTROOM ENTRY WALL

6 / A401 | SCALE: 3/8" = 1'-0"



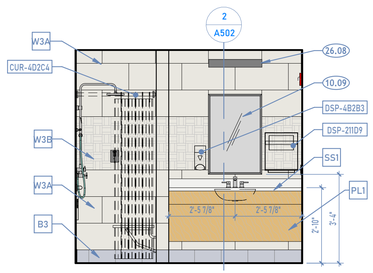
7 RESTROOM - TOILET SIDE WALL

7 / A401 | SCALE: 3/8" = 1'-0"



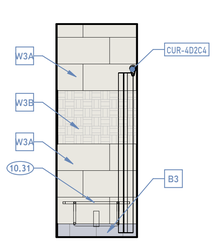
8 RESTROOM - TOILET / SHOWER

8 / A401 | SCALE: 3/8" = 1'-0"



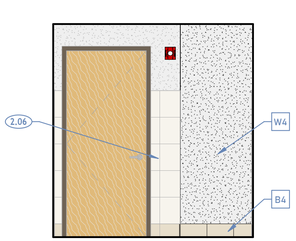
9 RESTROOM - VANITY WALL

9 / A401 | SCALE: 3/8" = 1'-0"



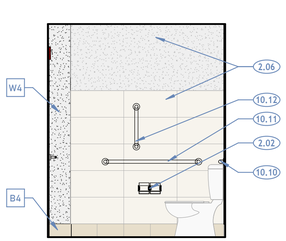
10 SHOWER BACK WALL

10 / A401 | SCALE: 3/8" = 1'-0"



11 STAFF RR NORTH

11 / A401 | SCALE: 3/8" = 1'-0"



12 STAFF RR EAST

12 / A401 | SCALE: 3/8" = 1'-0"

MILLWORK FINISH LEGEND

? — FINISH TAG

PL1 — PLASTIC LAMINATE 1 - ARBORITE MOCHA MODERN CHERRY W465

SS1 — SOLID SURFACE COUNTERTOP - CORIAN CLAM SHELL

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH
BRENT J MURRAY
6412529-0301
REGISTERED ARCHITECT
2026.04.30
ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

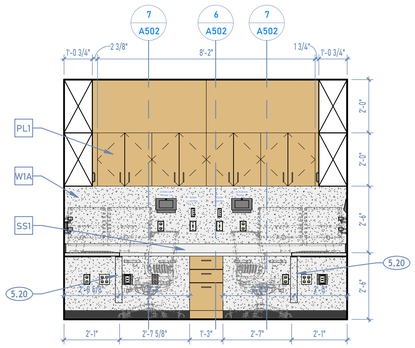
ENLARGED VIEWS AND ELEVATIONS

SHEET NAME

A401

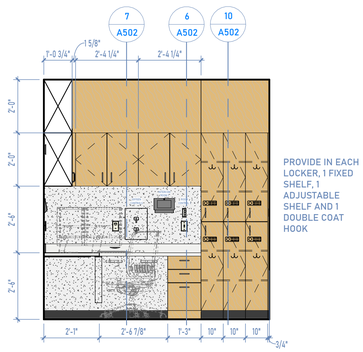
SHEET NUMBER

4/30/2026 3:31:34 PM



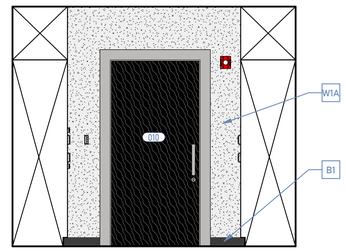
1 TECH WORK ROOM 1

1 / A402 | SCALE: 3/8" = 1'-0"



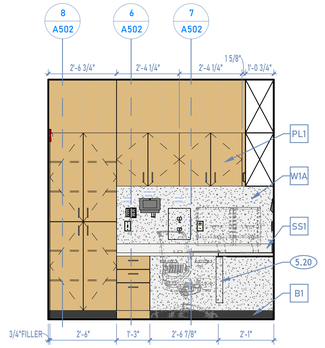
2 TECH WORK ROOM 2

2 / A402 | SCALE: 3/8" = 1'-0"



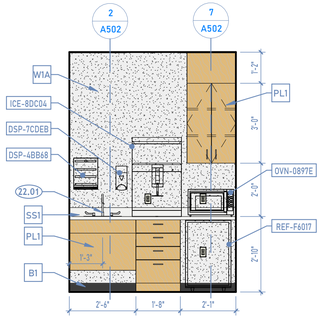
3 TECH WORK ROOM 3

3 / A402 | SCALE: 3/8" = 1'-0"



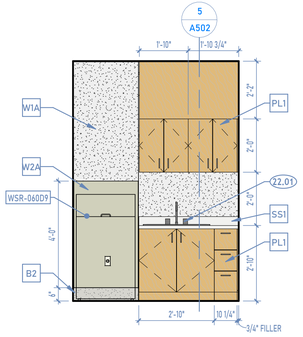
4 TECH WORK ROOM 4

4 / A402 | SCALE: 3/8" = 1'-0"



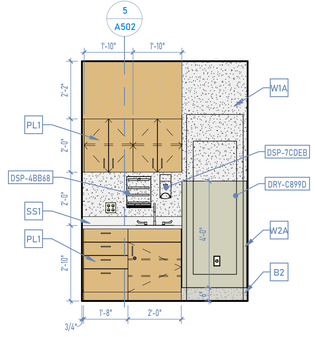
5 BREAK AREA

5 / A402 | SCALE: 3/8" = 1'-0"



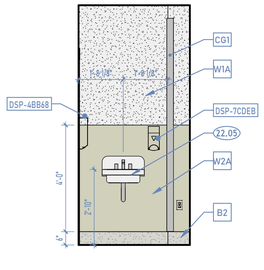
6 MASK PROCESSING 1

6 / A402 | SCALE: 3/8" = 1'-0"



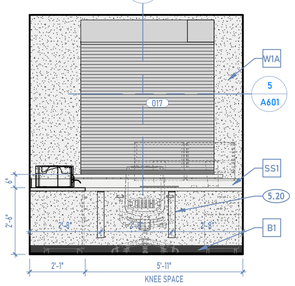
7 MASK PROCESSING 2

7 / A402 | SCALE: 3/8" = 1'-0"



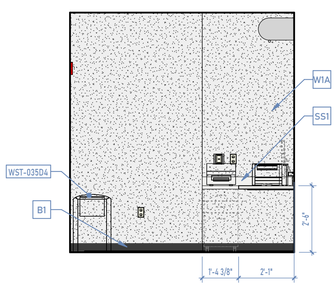
8 SOILED HAND WASH

8 / A402 | SCALE: 3/8" = 1'-0"



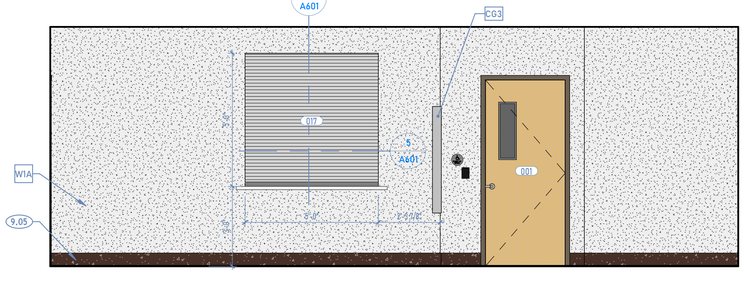
9 CHECK IN 1

9 / A402 | SCALE: 3/8" = 1'-0"



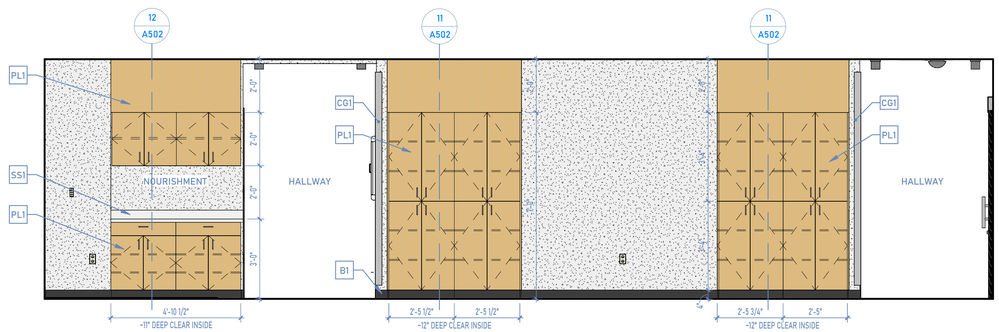
10 CHECK IN 2

10 / A402 | SCALE: 3/8" = 1'-0"



11 RECEPTION / WAITING

11 / A402 | SCALE: 3/8" = 1'-0"



12 HALLWAY

12 / A402 | SCALE: 3/8" = 1'-0"

MILLWORK GENERAL NOTES

1. ALL MILLWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.W.I. STANDARDS FOR REVEAL OVERLAY CONSTRUCTION, CUSTOM GRADE. PROVIDE EUROPEAN HINGES (135 DEGREE) AND HEAVY-DUTY DRAWER GLIDES. PULLS TO BE 4" WIRE PULLS W/ BRUSHED STAINLESS FINISH. VERIFY PULL STYLE WITH OWNER.
2. PROVIDE SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND TENANT BEFORE CONSTRUCTION OF MILLWORK.
3. ALL VERTICAL SURFACES, INCLUDING TOE KICKS TO BE PL1 UNLESS NOTED OTHERWISE.
4. ALL COUNTERTOPS AND BACKSPLASHES TO BE PL3 UNLESS NOTED OTHERWISE.
5. VERIFY ALL EQUIPMENT SIZES AND REQUIREMENTS WITH TENANT.
6. RADIUS ALL OUTSIDE CORNERS OF COUNTERS 2" WHERE POSSIBLE.
7. PROVIDE A LOCKABLE CABINET UNDER ALL SINKS.
8. VERIFY LOCATION OF DATA AND ELECTRICAL OUTLETS SO THAT THEY REMAIN ACCESSIBLE. ALL GROMMET LOCATIONS TO BE LOCATED IN THE FIELD BY TENANT AND CUT IN THE FIELD.
9. UNLESS NOTED OTHERWISE, PROVIDE MIN. 1 ADJUSTABLE SHELF IN BASE CABINETS AND UPPER CABINETS, AND 3 ADJUSTABLE SHELVES IN FULL HEIGHT CABINETS.
10. ALL FILE DRAWERS TO BE CONSTRUCTED IWTH INTEGRAL METAL RAILS FOR HANGING STANDARD SIZE FILE FOLDERS.
11. IMPORTANT: TEMPORARILY SUPPORT LOW WALLS UNTIL MILLWORK IS INSTALLED TO PROVIDE STABILITY. ANCHOR MILLWORK SIDES OR BACKS TO LOW WALLS AS POSSIBLE WITH SOLID BLOCKING IN WALLS FOR ATTACHMENT.
12. ALL UPPER CABINET MILLWORK SHALL HAVE UNDERCOUNTER LIGHT FIXTURE WHERE MILLWORK OCCURS ABOVE A SINK. COORDINATE WITH ELECTRICAL.

REFERENCED NOTES

5.20	UNDERCOUNTER SUPPORT BRACKET. RAKKS "EH" INSIDE WALL MOUNT COUNTER SUPPORT BRACKET AT MANUFACTURER'S RECOMMENDED SPACING.
9.05	NEW WALL TO HAVE TERRAZZO BASE TO MATCH EXISTING. RE-USE WHERE POSSIBLE.
22.01	SINK, SEE PLUMBING
22.05	WALL MOUNTED HANDWASH SINK, SEE PLUMBING.

MILLWORK FINISH LEGEND

? — FINISH TAG

PL1 — PLASTIC LAMINATE 1 - ARBORITE MOCHA MODERN CHERRY W465

SS1 — SOLID SURFACE COUNTERTOP - CORIAN CLAM SHELL

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH — BRENT J MURRAY — 9432832-0201 — REGISTERED ARCHITECT
2026.04.30
ARCHITECT STAMP

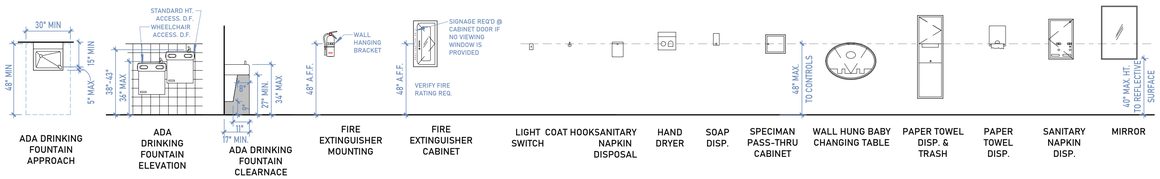
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

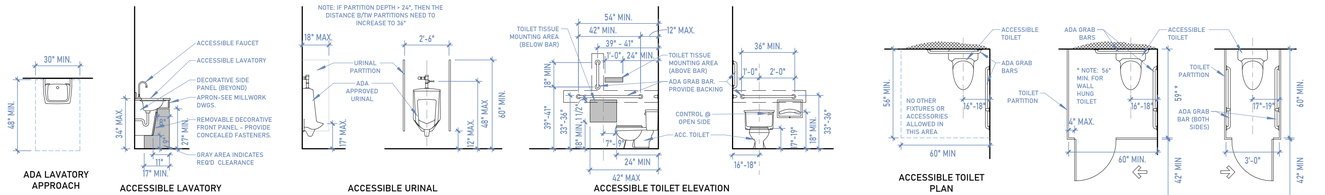
#	DATE	DESCRIPTION

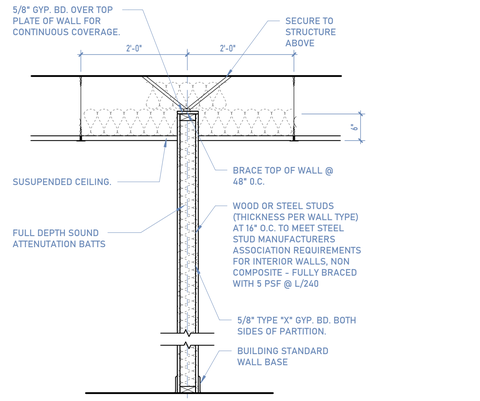
ENLARGED VIEWS AND ELEVATIONS
SHEET NAME

A402
SHEET NUMBER

4/30/2026 3:31:39 PM





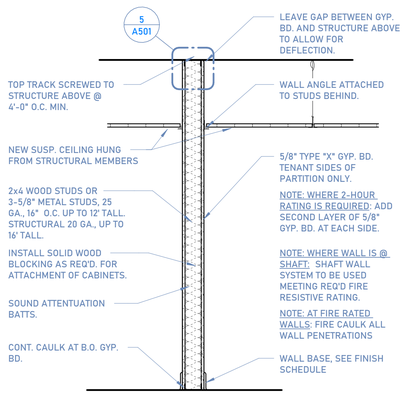


1 STANDARD MOUNTING HEIGHTS

1 / A501 | SCALE: 1/4" = 1'-0"

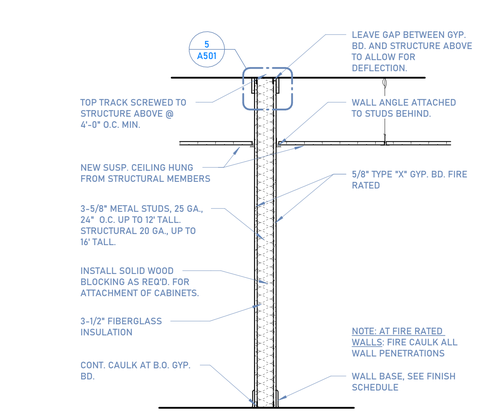
2 PARTITIOTN - PLENUM HEIGHT

2 / A501 | SCALE: 3/4" = 1'-0"



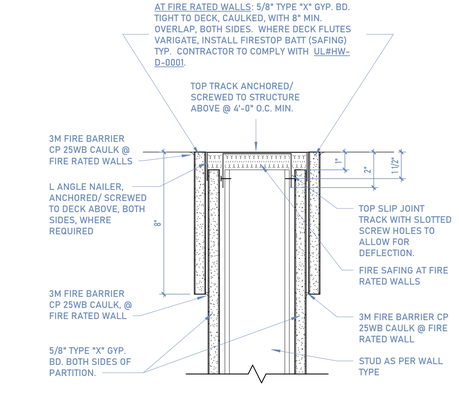
3 PARTITION - DEMISING WALL

3 / A501 | SCALE: 3/4" = 1'-0"



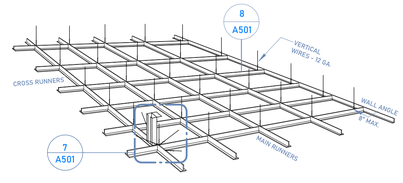
4 PARTITION - UL U419 1-HOUR

4 / A501 | SCALE: 3/4" = 1'-0"



5 SLIP JOINT

5 / A501 | SCALE: 3" = 1'-0"



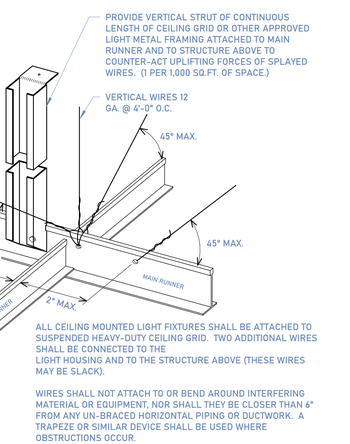
- CEILING AREAS OF 1,000 SQ. FT. OR LESS SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE SHALL NOT REQUIRE THE DIAGONAL BRACING WIRES.
- EACH VERTICAL WIRE SHALL BE ATTACHED EACH END WITH MIN. 3 TURNS.
- CEILING GRID SHALL BE INSTALLED LEVEL TO WITHIN 1/8" IN 12 FEET.
- LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES AS A MEANS OF LEVELING MAIN RUNNERS.
- ALL WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT.

NOTES:
1. 3/8" DIAMETER KWIK BOLT II (BY HILTI) 2-1/2" EMBEDMENT FOR WIRES (SHALLOW ANCHOR).
2. INSTALL SUSPENDED GRID SYSTEM IN ACCORDANCE TO CISCA 3-4".
3. USE A HEAVY DUTY T-BAR GRID SYSTEM.
4. VERIFY W/ BLDG. OWNER WHETHER POWDER ACTUATED FASTENERS ARE ALLOWED.

*PERIMETER SUPPORTING CLOSURE ANGLE TO BE 2" AND ATTACHED AT ONE END WITH THE OTHER END FREE TO SLIDE. MAINTAIN 3/4" CLEARANCE FROM WALL WHERE REQUIRED OR USE ARMSTRONG BERC CLIPS WITH A 1" CLOSURE ANGLE.

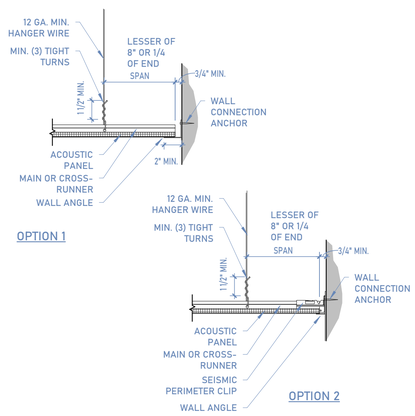
6 SUSPENDED CEILING DETAIL

6 / A501 | SCALE: 1" = 1'-0"



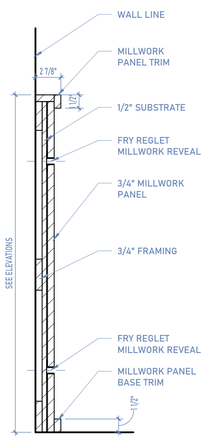
7 SEISMIC BRACING

7 / A501 | SCALE: NTS



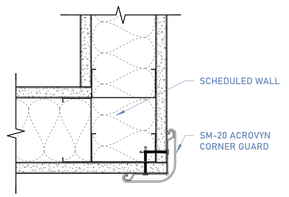
8 CEILING SEISMIC EDGE DETAIL

8 / A501 | SCALE: 1 1/2" = 1'-0"



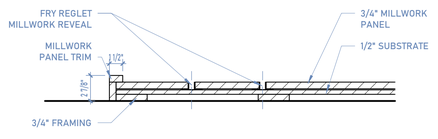
9 HEAD WALL SECTION

9 / A501 | SCALE: 1 1/2" = 1'-0"



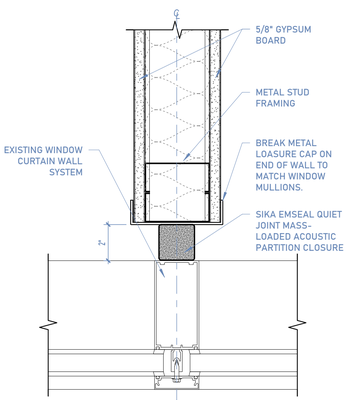
10 CORNER GUARD

10 / A501 | SCALE: 3" = 1'-0"



11 HEAD WALL EDGE DETAIL

11 / A501 | SCALE: 1 1/2" = 1'-0"



12 WALL CAP AT MULLION

12 / A501 | SCALE: 3" = 1'-0"

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH
BRENT J MURRAY
REGISTERED ARCHITECT
Brent Murray
2026.04.30
ARCHITECT STAMP

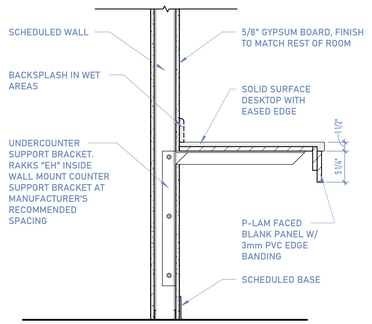
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

ARCHITECTURAL DETAILS
SHEET NAME

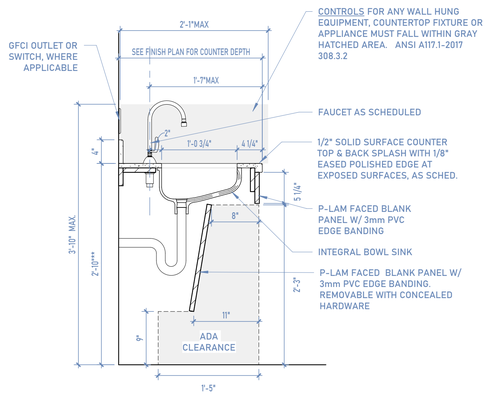
A501
SHEET NUMBER

4/30/2026 3:31:40 PM



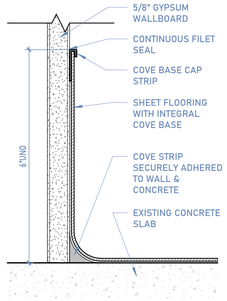
1 WALL MOUNTED COUNTER, APRON ALT DETAIL

1 / A502 | SCALE: 1" = 1'-0"



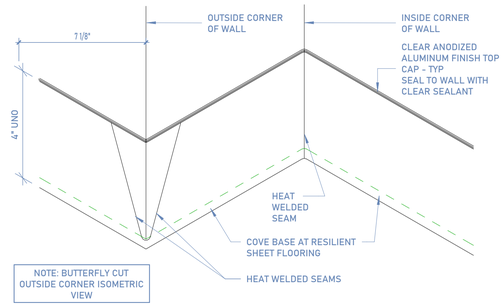
2 ADA FRONT APPROACH SINK

2 / A502 | SCALE: 1" = 1'-0"



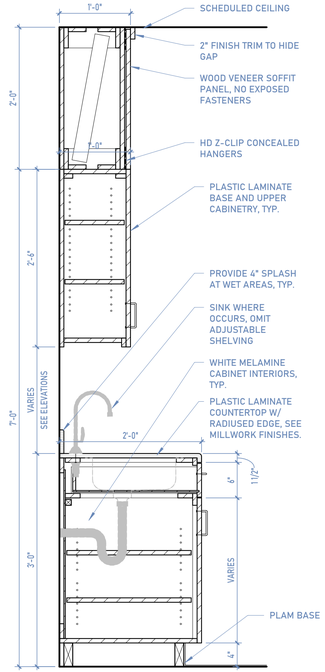
3 INTEGRAL COVE BASE

3 / A502 | SCALE: 6" = 1'-0"



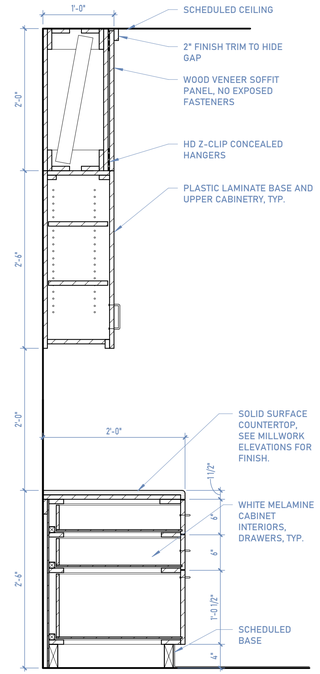
4 ISOMETRIC - INTEGRAL COVE BASE DETAIL

4 / A502 | SCALE: 3" = 1'-0"



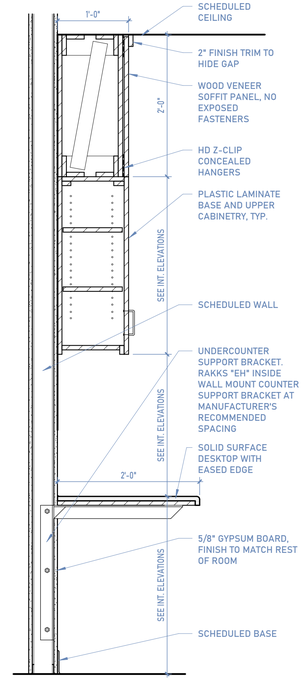
5 ALCOVE MILLWORK SECTION

5 / A502 | SCALE: 1" = 1'-0"



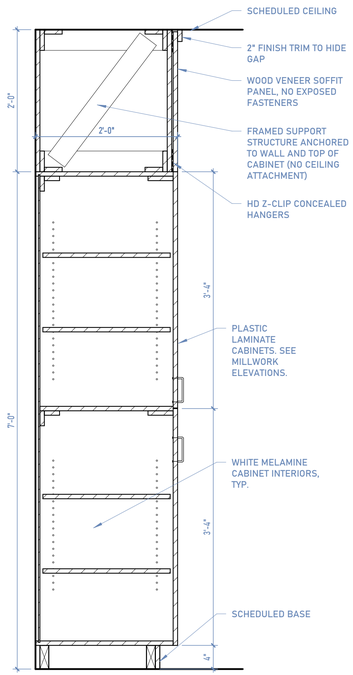
6 UPPER CABINETS & BOX BOX FILE DETAIL

6 / A502 | SCALE: 1" = 1'-0"



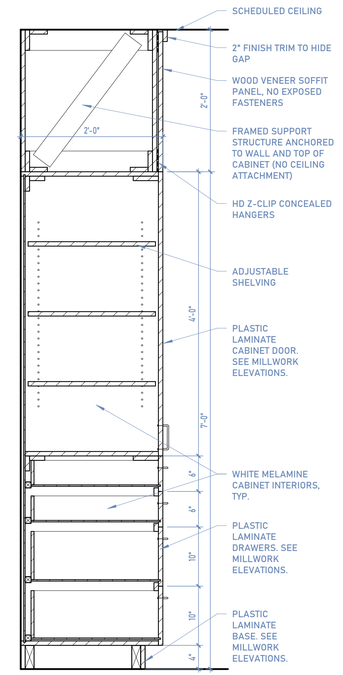
7 UPPER CABINETS & COUNTER SUPPORT

7 / A502 | SCALE: 1" = 1'-0"



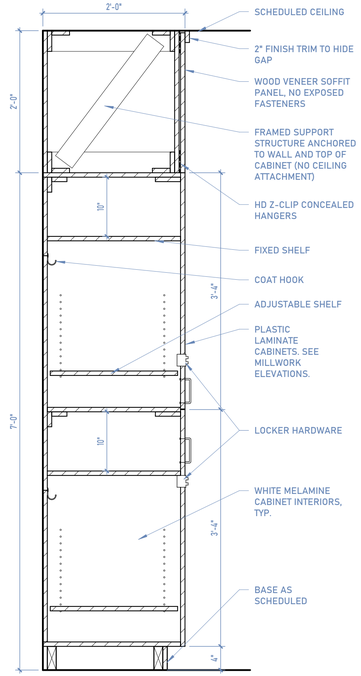
8 FULL HT CABINET DETAIL

8 / A502 | SCALE: 1" = 1'-0"



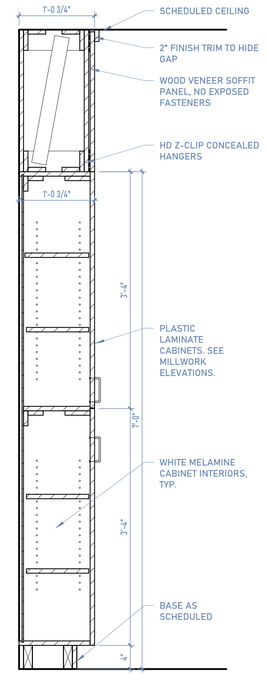
9 SLEEP RM FULL HT MILLWORK

9 / A502 | SCALE: 1" = 1'-0"



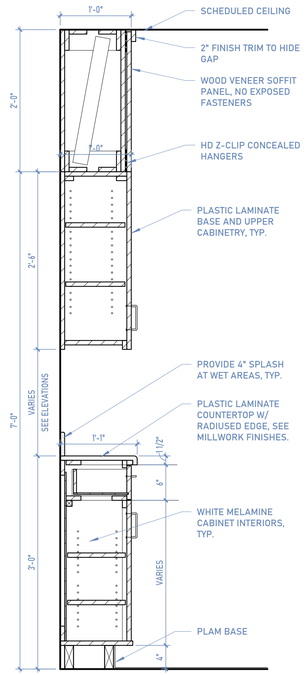
10 LOCKER MILLWORK DETAIL

10 / A502 | SCALE: 1" = 1'-0"



11 HALLWAY FULL HT MILLWORK

11 / A502 | SCALE: 1" = 1'-0"



12 SHALLOW ALCOVE MILLWORK SECTION

12 / A502 | SCALE: 1" = 1'-0"

4/30/2026 3:31:40 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

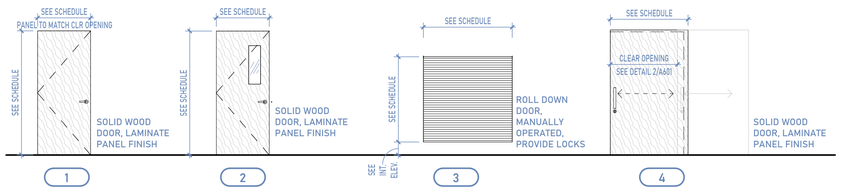
STATE OF UTAH — BRENT J MURRAY — 9432830-0301 — REGISTERED ARCHITECT
2026.04.30
ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

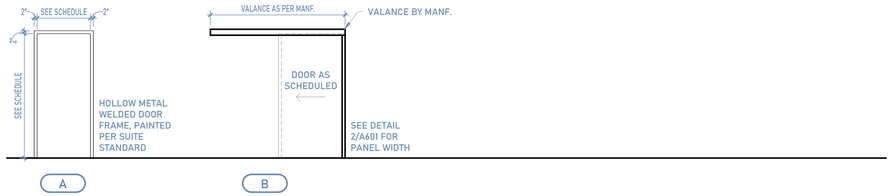
ARCHITECTURAL DETAILS
SHEET NAME

A502
SHEET NUMBER



LEGEND - DOOR PANEL

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

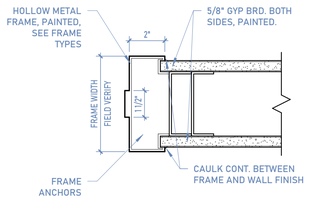


LEGEND - DOOR FRAME

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

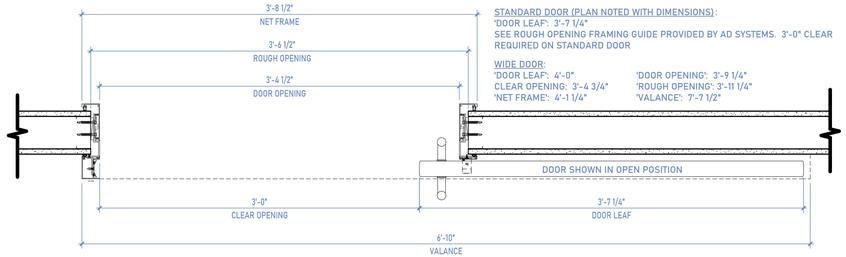
DOOR SCHEDULE

DOOR NUMBER	DOOR PANEL SIZE WIDTH	HEIGHT	THICKNESS	PANEL TYPE	DOOR FRAME FRAME TYPE	HEAD	JAMB	THRESHOLD	CARD READER	FIRE RATING	HARDWARE SET TYPE	COMMENTS	DOOR NUMBER
Core & Shell Package													
E002	3'-0"	7'-0"	0'-1 3/4"		1								E002
E009	3'-0"	7'-0"	0'-1 3/4"		1								E009
New Construction													
001	3'-0"	7'-0"	0'-1 3/4"	2	A	1/A601	1/A601	*	Yes			ADA AUTO DOOR OPENER	001
004	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-	Yes				004
005	3'-7 1/4"	7'-0"	0'-1 3/4"	4	B	4/A601	3/A601	*				PASSAGE	005
006	3'-7 1/4"	7'-0"	0'-1 3/4"	4	B	4/A601	3/A601	*				PASSAGE, SMOKE SEALED?	006
007	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	*	Yes	45 MIN			007
010	3'-7 1/4"	7'-0"	0'-1 3/4"	4	B	4/A601	3/A601	-				PASSAGE	010
011	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				PASSAGE, ACOUSTIC (AUTO DOOR BOTTOMS, SILENCERS, GASKETING ETC)	011
012	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				PASSAGE, ACOUSTIC (AUTO DOOR BOTTOMS, SILENCERS, GASKETING ETC)	012
013	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	*				PRIVACY SET WITH INDICATOR	013
014	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	*				PRIVACY SET WITH INDICATOR	014
015	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				PASSAGE, ACOUSTIC (AUTO DOOR BOTTOMS, SILENCERS, GASKETING ETC)	015
016	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				PASSAGE, ACOUSTIC (AUTO DOOR BOTTOMS, SILENCERS, GASKETING ETC)	016
017	5'-0"	5'-0"		3	-	6/A501	5/A601	-				OVERHEAD SECURITY GRILL	017



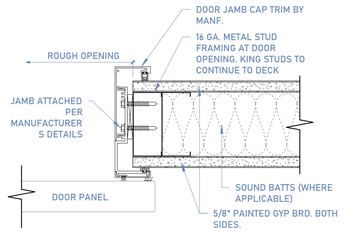
1 INT. DOOR JAMB (HEAD SIM.)

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



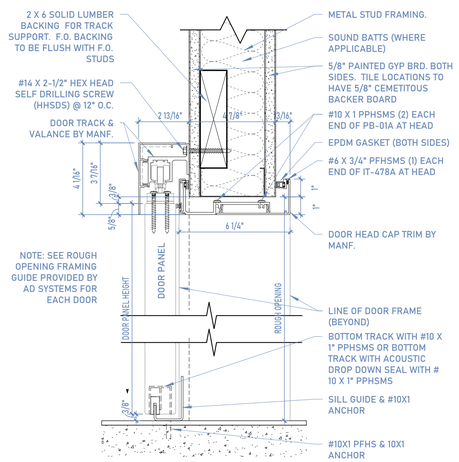
2 AD SLIDE PLAN - STANDARD & WIDE DOOR

2 / A601 | SCALE: 1 1/2" = 1'-0"



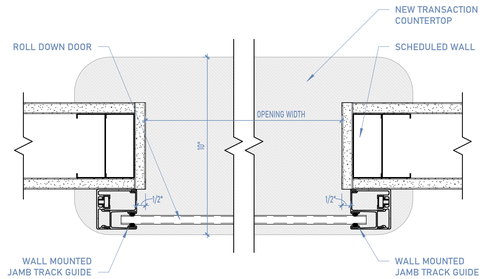
3 AD SYSTEM DOOR JAMB DETAIL

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



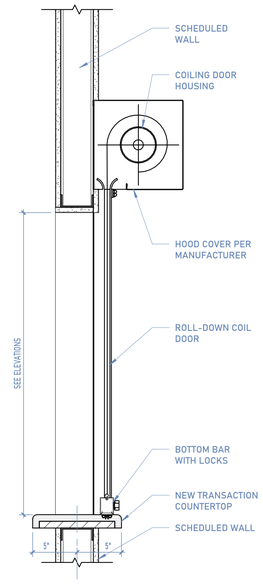
4 AD SYSTEM DOOR HEAD DETAIL

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



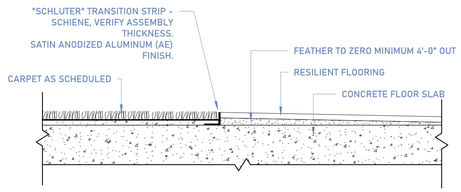
5 ROLL DOWN JAMBS

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



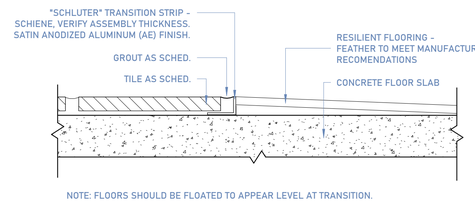
6 ROLL DOWN SECTION

6 / A601 | SCALE: 1 1/2" = 1'-0"



7 FLOORING TRANSITION - CARPET TO RESILIENT

7 / A601 | SCALE: 6" = 1'-0"



8 FLOORING TRANSITION - TILE TO RESILIENT

8 / A601 | SCALE: 6" = 1'-0"

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

STATE OF UTAH — BRENT J MURRAY — 9143830 — REGISTERED ARCHITECT

2026.04.30

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

DOOR SCHEDULE

SHEET NAME

A601

SHEET NUMBER

4/30/2026 3:31:41 PM

GENERAL PLAN SYMBOLS

- PLAN REVISION NUMBER
- DETAIL NUMBER ON SHEET
- SHEET NUMBER WHERE DETAIL IS PLACED
- KEYNOTE SYMBOL (1)
- CONTINUATION SYMBOL
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE EXISTING IS TO BE DEMOLISHED
- ROOM NAME / NUMBER (Room 1)
- AREA BEING DEMOLISHED
- AREA NOT IN CONTRACT

HVAC SYMBOLS

- 24"x12" — SQ. DUCT SIZE (WIDTH X HEIGHT)
- 24"/12" FO — OVAL DUCT SIZE (WIDTH / HEIGHT)
- 18"Ø — ROUND DUCT SIZE (DIAMETER)
- (E) — EXISTING DUCT TO REMAIN
- DUCT TO BE DEMOLISHED
- SA — SUPPLY AIR - LOW PRESSURE
- SA — SUPPLY AIR - MEDIUM PRESSURE
- VA — VENTILATION AIR
- OA — OUTDOOR AIR
- RA — RETURN AIR
- TA — TRANSFER AIR
- RLA — RELIEF AIR
- EA — GENERAL EXHAUST AIR
- GEA — GREASE EXHAUST DUCT
- LH — LABORATORY HOOD
- FLUE — FLUE GAS VENT
- C/A — COMBUSTION AIR
- RECT. SUPPLY DUCT RISE / DROP
- ROUND SUPPLY DUCT RISE / DROP
- RECT. RETURN DUCT RISE / DROP
- ROUND RETURN DUCT RISE / DROP
- RECT. EXHAUST DUCT RISE / DROP
- ROUND EXHAUST DUCT RISE / DROP

GRILLE, REGISTER, DIFFUSERS

SQUARE CEILING DIFFUSER — CD3 | 500 | 10"Ø/24x24 | 29 |H6/9/17
- TYPE (SEE SCHEDULE)
- AIRFLOW
- NECK SIZE / MODULE SIZE
- CATALOG THROW PERFORMANCE
- THROW PATTERN
- MAX NC RATING

ROUND CEILING DIFFUSER — CD11 | 100 | 6"Ø | TYP. X 4
- AIRFLOW
- NECK SIZE
- TYPE COUNT FOR SPACE

SIDEWALL SUPPLY GRILLE — SG1 | 500 | 18"x10" | AFF:9'-0"
- AIRFLOW
- NOMINAL DUCT SIZE
- MOUNTING ELEVATION (CENTERLINE)

LINEAR DIFFUSER — LD8 | 200 | 8'Ø/2s/4'-0"L
- AIRFLOW
- NECK SIZE/ SLOT(S)/ ACTIVE LENGTH

SIDEWALL RETURN GRILLE — RG1 | 800 | 16"x16" | AFF:9'-0"
- AIRFLOW
- NOMINAL DUCT SIZE
- MOUNTING ELEVATION (CENTERLINE)

CEILING RETURN — RG2 | 500 | 12"x12"/24x24 | 25
- AIRFLOW
- NECK SIZE / MODULE SIZE
- MAX NC RATING

MECHANICAL EQUIPMENT

- RTU-1 — UNIT IDENTITY
- 10.0 ton — NOMINAL COOLING CAPACITY
- RTU-1 — 180000 Btu/h — HEATING CAPACITY
- 180 CFH — GAS SUPPLY INPUT RATE
- ET-1 — 379 lb — OPERATING WEIGHT
- EF-1 — 500 CFM — DESIGN AIRFLOW RATE
- VAV-1-2 — 2.2 GPM — DESIGN WATER FLOW
- AC-1 — AFF:7'-0" — BOTTOM OF EQUIPMENT HEIGHT
- (E)AHU-2 — EXISTING TO REMAIN EQUIPMENT
- (R)AHU-3 — EXISTING RELOCATED EQUIPMENT
- EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINES)

DAMPER TYPES

- MANUAL DAMPER
- MOTORIZED (ATC) DAMPER
- BACKDRAFT DAMPER
- SMOKE DAMPER
- FIRE DAMPER
- COMB. FIRE/ SMOKE DAMPER
- HIGH EFFICIENCY TAKEOFF (HET)

MECHANICAL PIPING SYMBOLS

- 2" — NOMINAL PIPE SIZE
- ABOVE GROUND PIPING
- BELOW GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE (WHEN APPLICABLE)
- (E) — EXISTING PIPE TO REMAIN
- PIPE TO BE DEMOLISHED
- CHWR — CHILLED-WATER RETURN
- CHWS — CHILLED-WATER SUPPLY
- GCHWR — GLYCOL CHILLED-WATER RETURN
- GCHWS — GLYCOL CHILLED-WATER SUPPLY
- CD — CONDENSATE DRAIN
- CWR — CONDENSER-WATER RETURN
- CWS — CONDENSER-WATER SUPPLY
- GHWR — GLYCOL HEAING-WATER RETURN
- GHWS — GLYCOL HEATING-WATER SUPPLY
- GWR — GROUND LOOP-WATER RETURN
- GWS — GROUND LOOP-WATER SUPPLY
- HWR — HOT-WATER RETURN
- HWS — HOT-WATER SUPPLY
- NER — NET ENERGY LOOP RETURN
- NES — NET ENERGY LOOP SUPPLY
- G — NATURAL GAS
- LP — LIQUID PROPANE
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT GAS
- RD — REFRIGERANT DISCHARGE
- LPS — LOW PRESSURE STEAM
- LPCR — CONDENSATE RETURN (LOW PRESSURE)
- PC — PUMPED CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HPCR — CONDENSATE RETURN (HIGH PRESSURE)
- PIPE RISE / DROP

VALVE TYPES

- SHUTOFF — BALL VALVE
- BAL — BALANCING VALVE
- BFV — BUTTERFLY VALVE
- CHECK — CHECK VALVE
- CHECK — ALTERNATE CHECK VALVE
- CIRC — CIRCUIT SETTER
- GATE — GATE VALVE
- GLOBE — GLOBE VALVE
- LOCK — LOCKED SHIELD VALVE
- PRV — PRESSURE REDUCING VALVE
- QUICK — QUICK OPENING VALVE
- STRAIN — FLUID STRAINER
- M — M-CNTRL — ELEC. CONTROL VALVE
- M — 3-WAY CNTRL — 3-WAY ELEC. VALVE
- S — GAS-CNTRL — EMERGENCY GAS SHUTOFF
- PLUG — PLUG VALVE
- GAS COCK — GAS SHUTOFF COCK
- REG — GAS REGULATOR

MECHANICAL DEVICES

- AHU-1 — UNIT IDENTITY
- TS — TEMPERATURE SENSOR
- TH — TEMP/ HUMIDITY SENSOR
- TC — TEMP/ CO2 SENSOR
- T — THERMOSTAT
- H — HUMIDISTAT
- HS — HUMIDITY SENSOR
- CO2 — CARBON DIOXIDE DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- H2 — HYDROGEN GAS DETECTOR
- HZG — HAZARDOUS GAS DETECTOR
- NO2 — NITROGEN DIOXIDE DETECTOR
- O2 — OXYGEN GAS DETECTOR

ABBREVIATIONS

Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
E/A	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LB/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M/A	MIXED AIR
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	POWER
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER
SF	SQUARE FOOT
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PROJECT REQUIREMENTS

1. THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
2. REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE SCOPE OF WORK SPACE AND WITHIN CLOSE PROXIMITY TO THE SCOPE OF WORK SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
4. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
5. WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
6. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
7. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
8. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
9. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
10. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
11. COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
12. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
13. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14. TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
15. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
16. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THWTE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
17. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
18. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
19. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
20. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
21. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT, AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD...
22. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
23. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
24. DETAILS REFERENCE ALL SHEETS.
25. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
26. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
27. LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING, MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STANDING ON A LADDER PLACED BELOW THE CEILING ACCESS.
28. WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
29. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
30. CONTRACTOR TO PROVIDE DELEGATED DESIGN OF SEISMIC BRACING AS A DEFERRED SUBMITTAL. SEE SPECIFICATION 23 0548 - VIBRATION AND SEISMIC CONTROLS FOR HVAC.
31. CONTRACTOR TO PROVIDE BIM COORDINATION AND VIRTUAL DESIGN AND CONSTRUCTION SERVICES TO A XXX LEVEL OF DETAIL. SEE SPECIFICATION 23 0099-BIM COORDINATION.

HVAC GENERAL NOTES

1. COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
2. SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK. TYPICAL.
3. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
4. COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
6. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
7. INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
8. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.
9. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
10. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
11. PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
12. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
13. AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
14. THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
15. ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE EQUIPMENT TAG TO MATCH SCHEDULE. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
16. PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MINIMUM 24" X 24".
17. FLEX DUCT IS REQUIRED FOR ALL DIFFUSERS AND GRILLES INSTALLED IN LAY-IN CEILINGS. FOR DIFFUSERS AND GRILLES IN HARD LID CEILINGS, THE DUCTWORK SHALL BE EXTENDED ALL THE WAY TO THE DIFFUSER AND SHALL BE CONNECTED WITH A HARD CONNECTION OR A FLEX DUCT CONNECTION WITH A MUD RING AND LAY-IN DIFFUSER AS SHOWN ON PLANS.
18. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
19. PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS, THE CONTRACTOR SHALL PROVIDE 24" X 24" ACCESS DOOR.
20. SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
21. CONTRACTOR SHALL LOCATE AND TEMPERATURE SENSORS AT 4'-0" AFF, A MINIMUM OF 8" FROM LIGHT SWITCH, UNLESS OTHERWISE NOTED ON THE ARCHITECT'S ELEVATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
22. REFER TO MECHANICAL PIPING OR ZONING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
23. CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
24. PROVIDE A 6" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT THAT IS FLOOR MOUNTED. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
25. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
26. THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

MECHANICAL PIPING GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
2. UNLESS OTHERWISE NOTED: ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
3. INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
4. ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
5. PROVIDE AIR VENT AT HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
6. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION AND TAGGED.
7. PROVIDE ISOLATION VALVES AT EACH EXIST/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
8. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL PLANS OR SPECIFICATIONS.
9. ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS SHALL COMPLY WITH NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/0/0, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
10. WHERE NON-PLENUM-RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS, IT SHALL BE INSULATED TO ACHIEVE NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/0/0, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 360005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION
		Title Sheet Revision

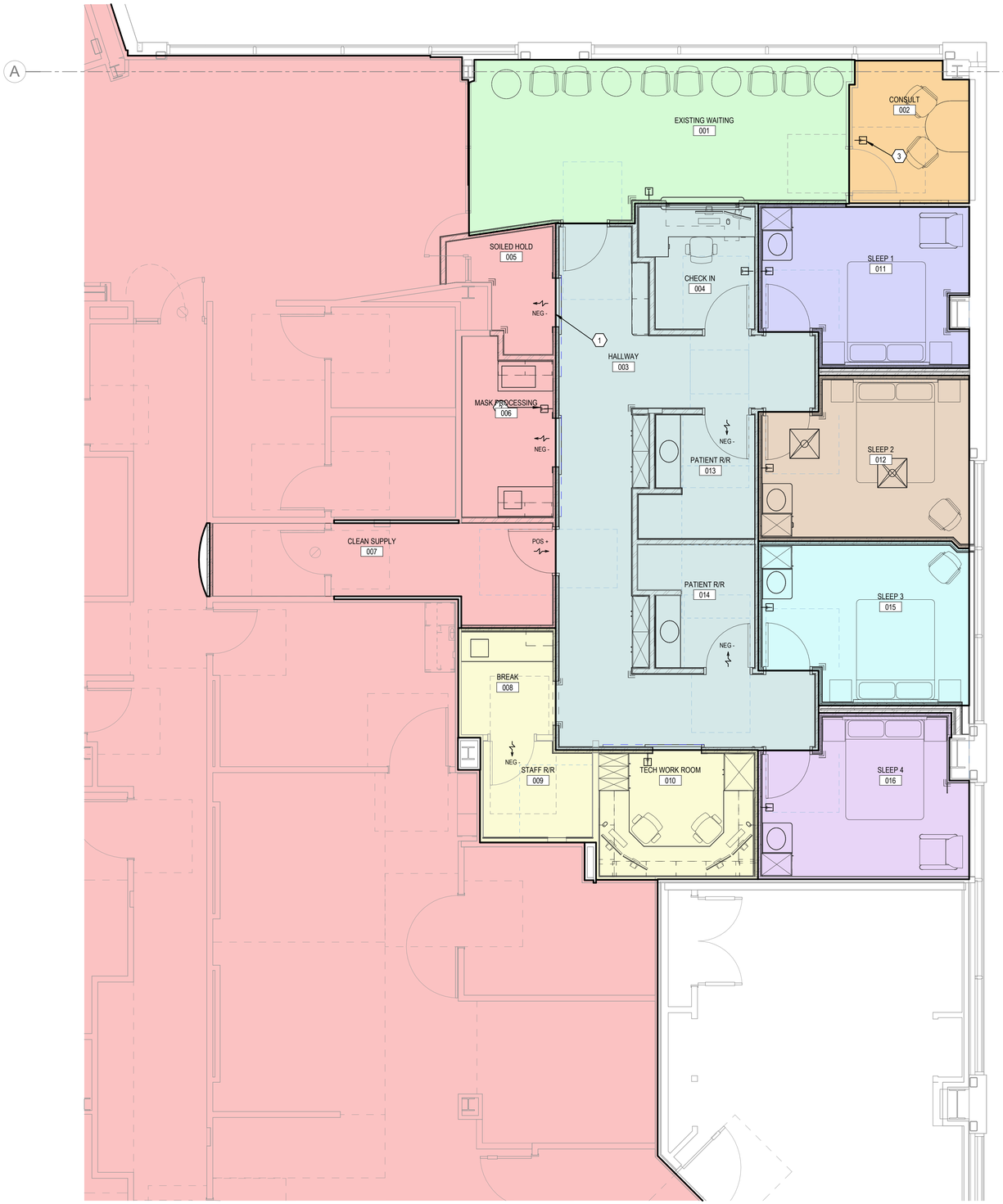
HVAC TITLE SHEET
SHEET NAME

M001
SHEET NUMBER

4/28/2026 4:07:31 PM

KEYNOTES

1	COLORED REGIONS REPRESENT INDIVIDUALLY CONTROLLED THERMAL ZONE BOUNDARIES. TYPICAL.
2	NEW THERMOSTAT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS. TYPICAL.
3	EXISTING THERMOSTAT TO REMAIN.



1 LEVEL 1 HVAC ZONE PLAN

1 / MZ101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'

0 2"

1/4" = 1'-0"

4/28/2026 4:01:32 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT

181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005

CONSULTANTS

INTERMOUNTAIN HEALTH

LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

LEVEL 1 HVAC ZONE PLAN

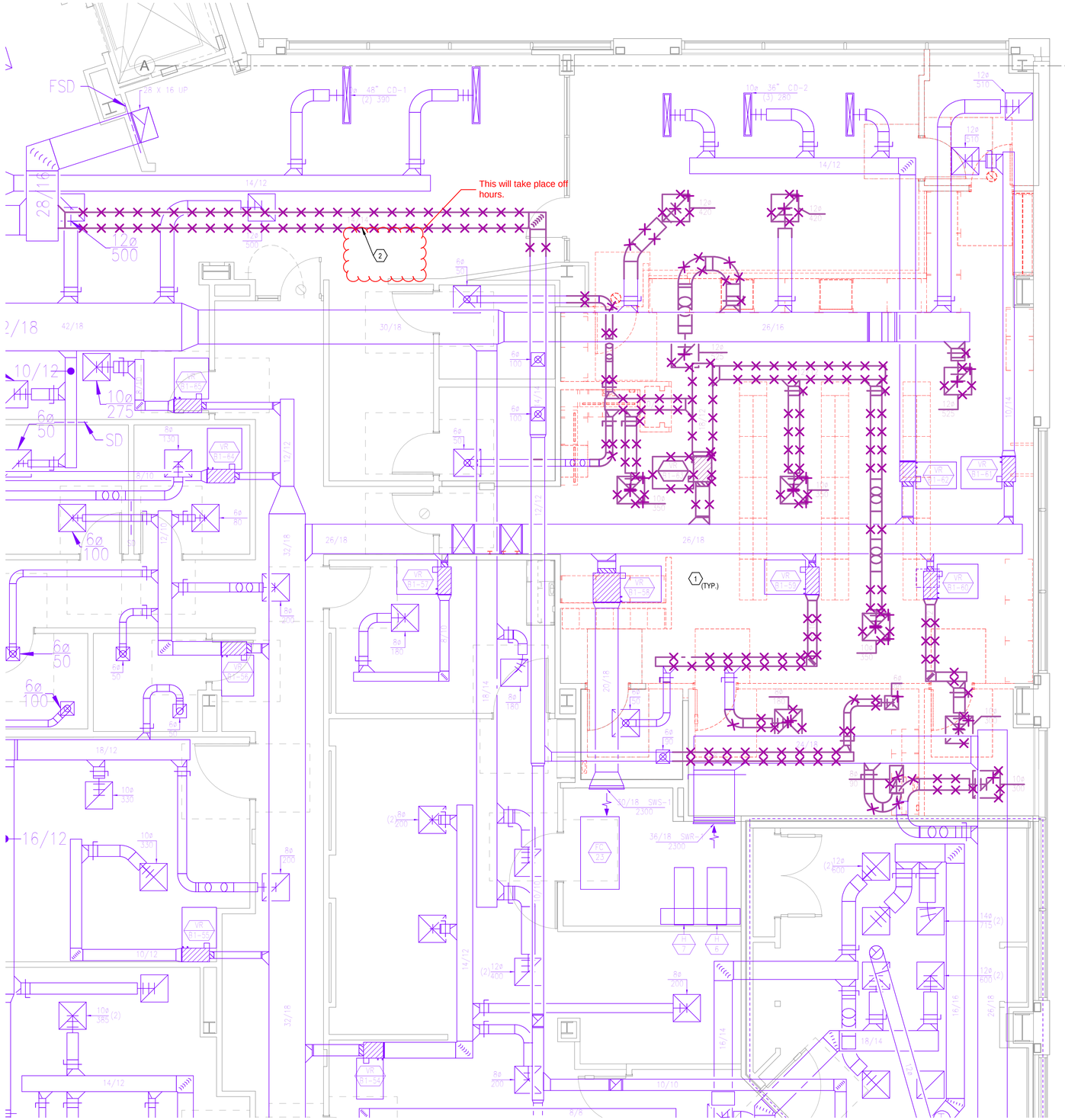
SHEET NAME

MZ101

SHEET NUMBER

KEYNOTES

1. EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. ITEMS SHOWN PINK AND CROSSED OUT TO BE REMOVED. CAP ALL UNUSED DUCTWORK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2. DEMOLISH EXISTING 14/14 EXHAUST DUCT BACK TO RISER. SEE LEVEL 1 PLAN FOR NEW DUCT TO BE INSTALLED IN SAME LOCATION.



1 LEVEL 1 MECHANICAL DEMO PLAN
1 / MD101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:32 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 26005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

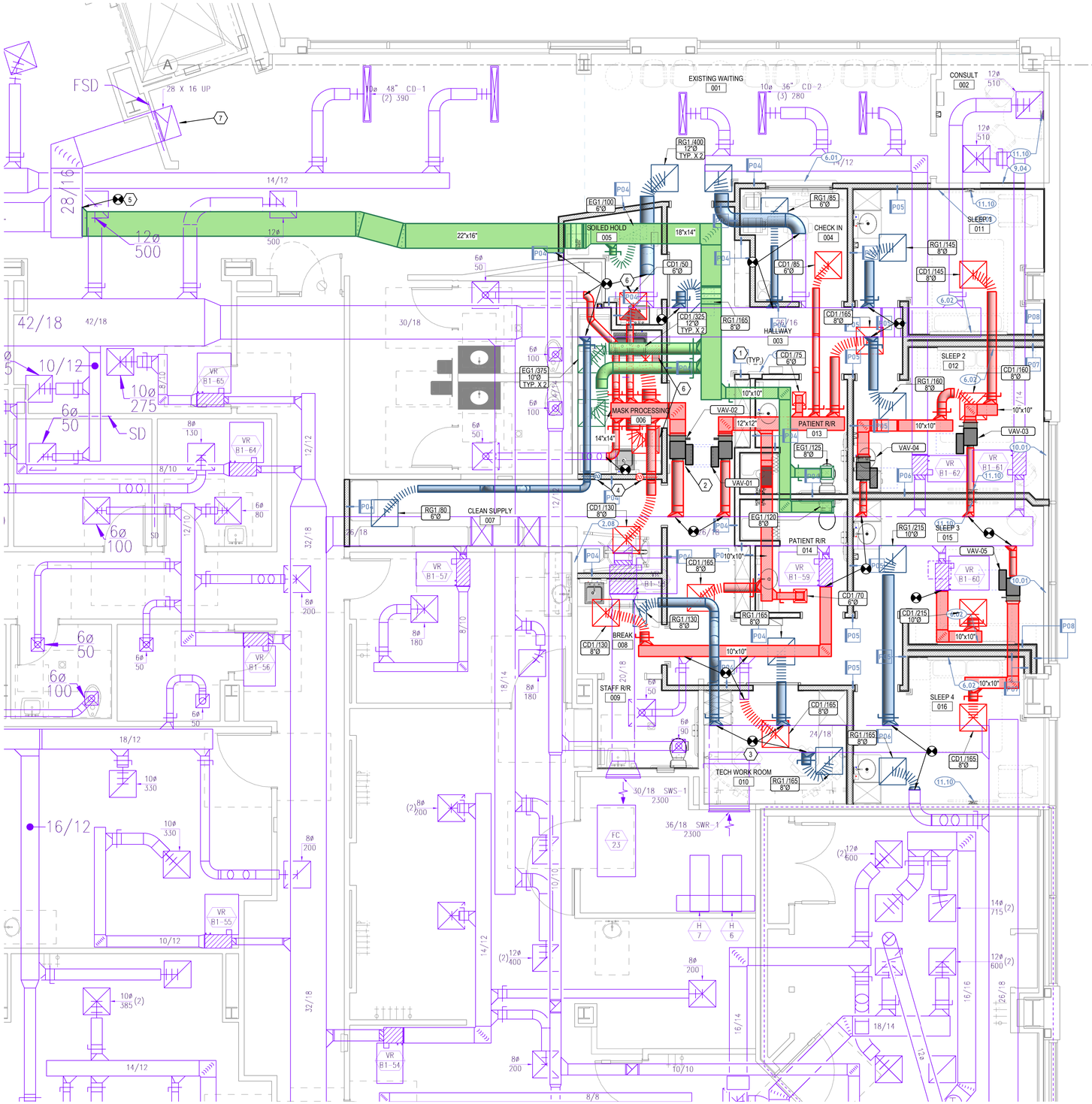
#	DATE	DESCRIPTION

LEVEL 1 MECHANICAL DEMO PLAN
SHEET NAME

MD101
SHEET NUMBER

KEYNOTES

1	EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. NEW WORK SHOWN COLORED AND DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2	CONSTANT VOLUME VAV BOX.
3	CONNECT TO EXISTING DUCT AT APPROXIMATELY THIS POINT. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
4	INSTALL SMOKE DAMPER AT WALL.
5	CONNECT EXHAUST DUCT TO EXISTING AT APPROXIMATELY THIS POINT. FIELD VERIFY EXISTING CONDITIONS.
6	3-WAY BLOW DIFFUSER. BLANK OFF PORTION OF DIFFUSER SHOWN SHADED.
7	REBALANCE EXISTING EXHAUST FAN EF-16 IF NECESSARY TO ACCOMMODATE NEW EXHAUST AIR FLOW CAPACITY.



1 LEVEL 1 MECHANICAL PLAN
1/M101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:36 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP
LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

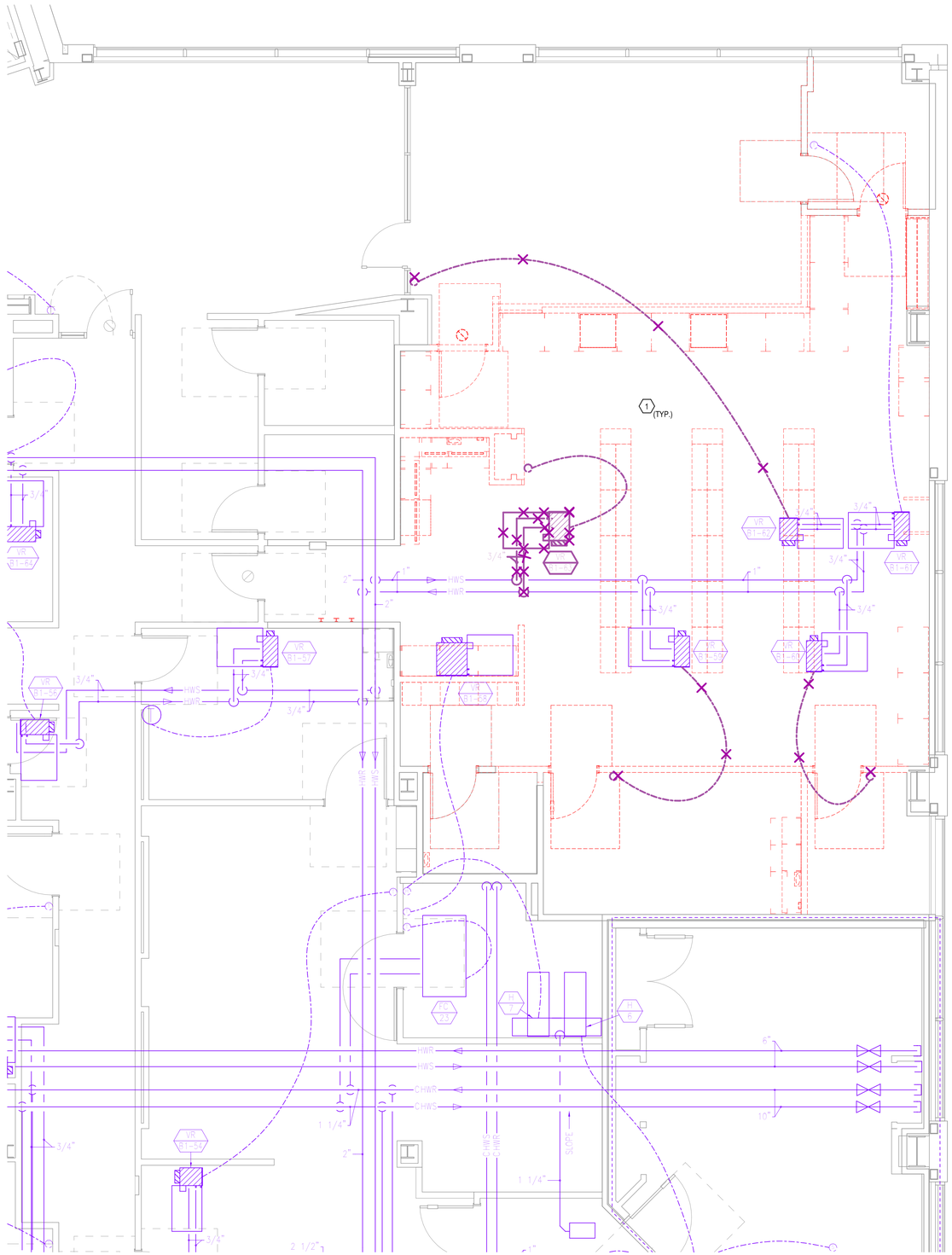
#	DATE	DESCRIPTION

LEVEL 1
MECHANICAL PLAN
SHEET NAME

M101
SHEET NUMBER

KEYNOTES

1	EXISTING SHOWN LIGHT TO REMAIN. ITEMS CROSSED OUT TO BE REMOVED. CAP ALL UNUSED PIPING. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.



1 LEVEL 1 MECHANICAL PIPING DEMO PLAN
1 / MPD101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:01:37 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

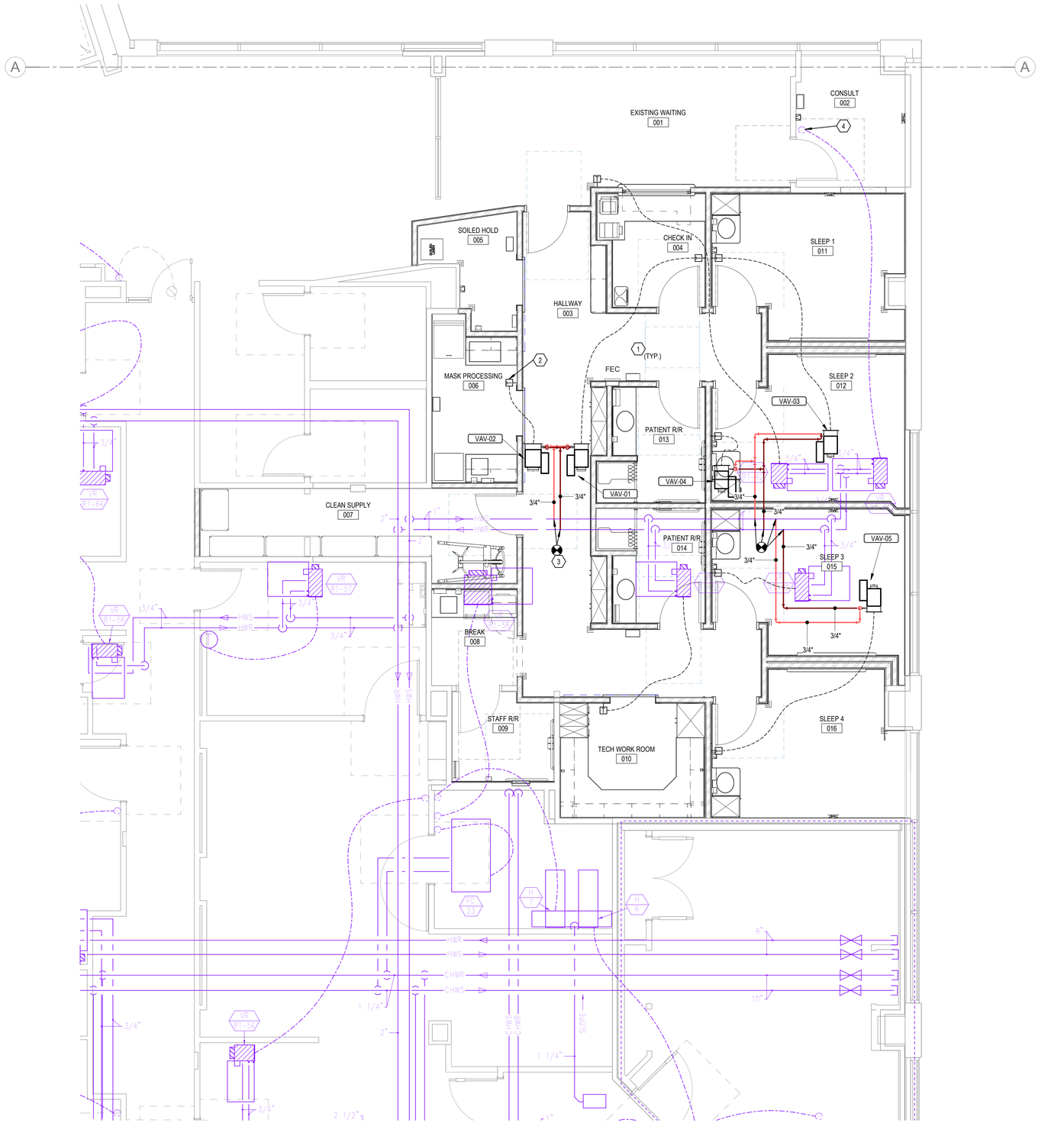
#	DATE	DESCRIPTION

LEVEL 1
MECHANICAL
PIPING DEMO PLAN
SHEET NAME

MPD101
SHEET NUMBER

KEYNOTES

1	EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. NEW WORK SHOWN COLORED AND DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2	NEW THERMOSTAT. COORDINATE EXACT PLACEMENT OF THERMOSTAT WITH ARCHITECTURAL ELEVATIONS. TIE TO VAV BOX CONTROLS. TYPICAL.
3	CONNECT TO EXISTING PIPING AT APPROXIMATELY THIS POINT. FIELD VERIFY. TYPICAL.
4	EXISTING THERMOSTAT TO REMAIN.



1 LEVEL 1 MECHANICAL PIPING PLAN
1 / MP101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:38 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

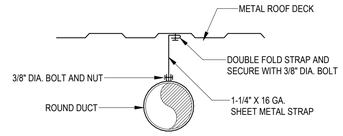
LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

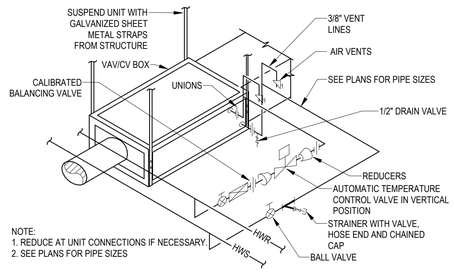
#	DATE	DESCRIPTION

LEVEL 1 MECHANICAL PIPING PLAN
SHEET NAME

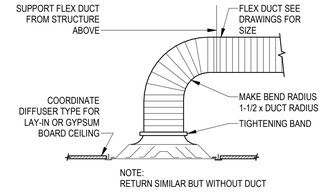
MP101
SHEET NUMBER



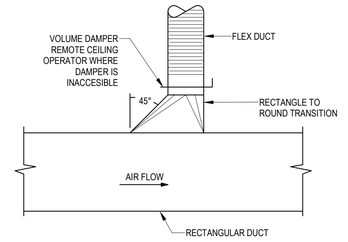
5 M500 ROUND DUCT SUPPORT DETAIL
NOT TO SCALE



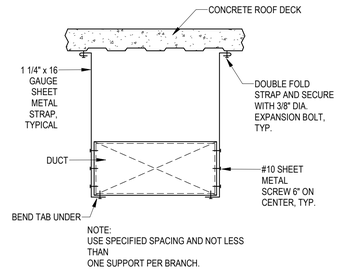
6 M500 VAV/CV TERMINAL UNIT WITH 2-WAY CONTROL VALVE DETAIL
NOT TO SCALE



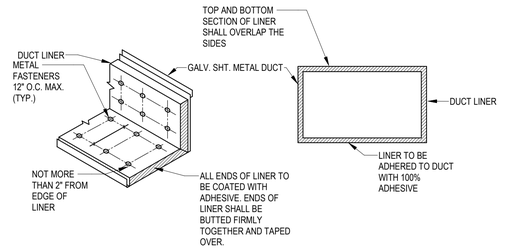
1 M500 DIFFUSER CONNECTION DETAIL
NOT TO SCALE



2 M500 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL
NOT TO SCALE



3 M500 RECTANGULAR DUCT DETAIL
NOT TO SCALE



4 M500 RECTANGULAR DUCT LINER DETAIL
NOT TO SCALE

4/28/2026 4:07:39 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

MECHANICAL DETAILS
SHEET NAME

M500
SHEET NUMBER

Grille, Register, and Diffuser Schedule

ID	Manufacturer and Model	Count	Description	Image
CD1	TITUS OMNI	15	STYLE: SQUARE PLAQUE FACE CEILING DIFFUSER CONSTRUCTION: STEEL FINISH: POWDER COAT WITH COLOR SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"X24", 20"X20", OR 12"X12". VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: REMOVABLE MAX NC: 25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: VARIABLE AIR VOLUME SUPPLY	
EG1	TITUS 50F	5	STYLE: CEILING EGGCRATE GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 24"X24" OR AS NOTED ON DRAWINGS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. CORE: 1/2"X12" PATTERN MAX NC: 25 DAMPER: NONE, OBD, ETC. CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: EXHAUST MINIMUM FREE AREA: 50%	
RG1	TITUS PAR	12	STYLE: SQUARE PERFORATED FACE CEILING GRILLE CONSTRUCTION: STEEL FINISH: SELECTED BY ARCHITECT MOUNTING: SURFACE OR LAY-IN BASED ON CEILING TYPE. PROVIDE FRAME TYPE 1 FOR SURFACE MOUNT AND FRAME TYPE 3 FOR LAY-IN. FACE SIZE: 48"X24", 24"X24", 24"X12", 20"X20", 16"X16", OR 12"X12" AS SHOWN ON PLANS. VERIFY FACE SIZE WITH ARCHITECT AND ENGINEER. MAX NC:25 DAMPER: NONE CONNECTION: ROUND OR RECTANGULAR OF SIZE SHOWN ON DRAWINGS. PROVIDE ADAPTER FITTINGS AS REQUIRED. APPLICATION: RETURN OR TRANSFER MINIMUM FREE AREA: 50%	

VAV UNIT SCHEDULE (HOT-WATER)

NOTES:

1. MAXIMUM DISCHARGE NC AT BOX DIFFENTIAL PRESSURE BASED ON ARI STANDARD 880-89
2. COIL HEATING CAPACITY BASED ON HEATING MAIXIMUM AIR FLOW (60% OF MAXIMUM COOLING CFM).
3. MINIMUM CFM IS LOWEST CONTROLLABLE CFM SETTING (BASED ON 400 FPM INLET VELOCITY).
4. MAXIMUM STATIC PRSSURE DROP PERMISSABLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
5. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS. BOX MINIMUM CFM TO BE SET AT 30% OF THIS MAXIMUM. BOX HEATING CFM TO BE SET AT 60% OF THIS SAME MAXIMUM.
6. PRESSURE INDEPENDENT TYPE BOX.

								HEATING AIRFLOW DESIGN				HOT-WATER DESIGN				HOT-WATER COIL					
IDENTITY	MANUFACTURER	MODEL	PRODUCT TYPE	EQUIPMENT UNIT SIZE	DESIGN AIRFLOW RATE	MINIMUM AIRFLOW RATE	MINIMUM AIRFLOW FACTOR	OUTPUT	AIRFLOW	EAT	LAT	FLOW RATE	SUPPLY	ΔT	HEAD LOSS	LWT	ROWS	FPI	HEAT TRANSFER FLUID	PRODUCT WEIGHT	NOTES
VAV-01	Titus	DESV	Single Duct	8	930 CFM	279 CFM	30%	24,106 Btu/h	558 CFM	55 °F	95 °F	1.7 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	35% PG	34 lb	1,2,3,4,5,6
VAV-02	Titus	DESV	Single Duct	10	560 CFM	168 CFM	30%	14,515 Btu/h	336 CFM	55 °F	95 °F	1.0 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	35% PG	39 lb	1,2,3,4,5,6
VAV-03	Titus	DESV	Single Duct	6	145 CFM	45 CFM	30%	3,758 Btu/h	87 CFM	55 °F	95 °F	0.3 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	35% PG	32 lb	1,2,3,4,5,6
VAV-04	Titus	DESV	Single Duct	6	160 CFM	48 CFM	30%	4,147 Btu/h	96 CFM	55 °F	95 °F	0.3 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	35% PG	32 lb	1,2,3,4,5,6
VAV-05	Titus	DESV	Single Duct	6	165 CFM	50 CFM	30%	4,277 Btu/h	99 CFM	55 °F	95 °F	0.3 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	35% PG	32 lb	1,2,3,4,5,6

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

MECHANICAL SCHEDULES
SHEET NAME

M600
SHEET NUMBER

4/28/2026 4:07:39 PM

GENERAL PLAN SYMBOLS

- PLAN REVISION NUMBER
- DETAIL NUMBER ON SHEET
- SHEET NUMBER WHERE DETAIL IS PLACED
- KEYNOTE SYMBOL (1)
- CONTINUATION SYMBOL
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE EXISTING IS TO BE DEMOLISHED
- ROOM NAME / NUMBER (Room 1)
- AREA BEING DEMOLISHED
- AREA NOT IN CONTRACT

ABBREVIATIONS

Ø	ROUND
ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CATCH BASIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DW	DISTILLED WATER
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EA	EXHAUST AIR
EXIST	EXISTING
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT/FEET
FTR	FIN TUBE RADIATION
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIB
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LB/HR	POUNDS PER HOUR
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M/A	MIXED AIR
MAX	MAXIMUM
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
O/A	OUTSIDE AIR
ORD	OVERFLOW ROOF DRAIN
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	dPOWER
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER
SF	SQUARE FOOT
S/A	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
STM	STEAM
T	THERMOSTAT
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
VAC	VACUUM
V	VENT
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION
VTR	VENT THROUGH ROOF
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING SYMBOLS

- 2" — NOMINAL PIPE SIZE
- ABOVE GROUND PIPING
- BELOW GROUND PIPING — PIPE SLOPE (WHEN APPLICABLE)
- (E) — EXISTING PIPE TO REMAIN
- PIPE TO BE DEMOLISHED
- DCW — DOMESTIC COLD-WATER
- NPW — NON-POTABLE WATER
- SCW — SOFT COLD - WATER
- FCW — FILTERED COLD - WATER
- ROS — REVERSE OSMOSIS WATER
- ROR — REVERSE OSMOSIS WATER RECIRCULATION
- DI — DEIONIZED WATER
- DIR — DEIONIZED WATER RECIRCULATION
- DHW — DOMESTIC HOT - WATER
- DHW140 — DOMESTIC HOT - WATER 140
- DHWR — DOMESTIC HOT - WATER RECIRCULATION
- DHWR140 — DOMESTIC HOT-WATER RECIRCULATION 140
- NPHW — NON-POTABLE HOT WATER
- SS — SANITARY DRAIN
- V — SANITARY VENT
- WV — SANITARY WET VENT
- CWV — COMBINATION DWV
- CD — CONDENSATE DRAIN
- ID — INDIRECT DRAIN
- GW — GREASE WASTE
- GV — GREASE VENT
- OW — OIL WASTE
- OV — OIL VENT
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- PD — PUMP DISCHARGE
- SHWR — SOLAR WATER RETURN
- SHWS — SOLAR WATER SUPPLY
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- CO2 — CARBON DIOXIDE GAS
- HE — HELIUM GAS
- IA — INSTRUMENT AIR
- MA — MEDICAL AIR
- MV — MEDICAL VACCUM
- N2 — NITROGEN GAS
- N2O — NITROUS OXIDE GAS
- O2 — OXYGEN GAS
- WAGD — WASTE ANESTHESIA GAS DISPOSAL
- CA — COMPRESSED AIR
- G — NATURAL GAS
- LP — LIQUID PROPANE
- PIPE RISE / DROP

PLUMBING SYMBOLS

PIPE ACCESSORY NOTES

- FCO — CLEANOUT
- WCO — LINE CLEANOUT
- BACKWATER — SWING CHECK
- CHECK — CHECK VALVE
- CHECK — ALTERNATE CHECK VALVE
- BALANCE — BALANCING VALVE
- CIRC — CIRCUIT SETTER
- GATE — GATE VALVE
- QUICK — QUICK OPENING VALVE
- S/O — BALL VALVE
- STRAIN — FLUID STRAINER
- GAS-CNTRL — EMERGENCY GAS SHUTOFF
- PLUG — PLUG VALVE
- GAS COCK — GAS SHUTOFF COCK
- REG — GAS REGULATOR
- T/VT/P — THERMOSTATIC VALVE
- PRIMER — TRAP PRIMER
- M-CNTRL — ELEC. CONTROL VALVE
- TMV-XT/P — MIXING VALVE
- TMVEM — EMERGENCY MIXER
- PRV — PRESSURE REDUCING VALVE
- METER — WATER METER
- METER — IRRIGATION METER
- DOUBLE CHECK VALVE
- REDUCED PRESSURE ZONE

PLUMBING FIXTURE NOTES

- FLOOR DRAIN — 2" FD-1 / 2 DFU — DESIGN SIZE, IDENTITY TYPE, DRAINAGE FIXTURE UNITS
- 2" FD-3 — FLOOR DRAIN W/ DEEP SEAL TRAP
- 2" FD-3P — FLOOR DRAIN W/ TRAP PRIMER "P" INDICATES PRIMER CONNECTION
- 2" FD-7 — FLOOR DRAIN W/ INTEGRAL CLEANOUT
- 3" AD-1 — AREA DRAIN (NO TRAP)
- 6" DD-1 — DECK DRAIN
- 3" HD-1 — HUB DRAIN (FUNNEL TYPE)
- 3" FS-4 — FLOOR SINK
- 8" SD-12 — ROOF DRAIN
- 6" SD-1 / 2000 SF — COMBINATION DRAIN RAINFALL SURFACE AREA

PROJECT REQUIREMENTS

1. THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
2. REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE SCOPE OF WORK SPACE AND WITHIN CLOSE PROXIMITY TO THE SCOPE OF WORK SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
4. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
5. WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
6. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
7. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
8. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
9. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
10. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
11. COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
12. FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
13. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14. TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
15. REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
16. ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THWTE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
17. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
18. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
19. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
20. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
21. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT, AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
22. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
23. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
24. DETAILS REFERENCE ALL SHEETS.
25. INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
26. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
27. LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STANDING ON A LADDER PLACED BELOW THE CEILING ACCESS.
28. WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
29. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
30. CONTRACTOR TO PROVIDE DELEGATED DESIGN OF SEISMIC BRACING AS A DEFERRED SUBMITTAL. SEE SPECIFICATION 23 0548 - VIBRATION AND SEISMIC CONTROLS FOR HVAC.
31. CONTRACTOR TO PROVIDE BIM COORDINATION AND VIRTUAL DESIGN AND CONSTRUCTION SERVICES TO A XXX LEVEL OF DETAIL. SEE SPECIFICATION 23 0099-BIM COORDINATION.

PLUMBING GENERAL NOTES

1. UNLESS OTHERWISE NOTED, PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.
2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. ALL PIPING IN PLUMBING SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
6. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
7. PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
8. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
9. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
10. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
11. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
12. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
13. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
14. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
15. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TOIFROM SINGLE FIXTURE.
16. LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING. PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
17. DRAIN PANS SHALL BE INSTALLED UNDER ANY PIPING THAT MAY CONTAIN WATER INSTALLED IN AN ELECTRICAL, DATA, IT, OR OTHER ROOM WITH SENSITIVE ELECTRICAL EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO HYDRONIC, WASTE, DOMESTIC, ROOF DRAIN, ETC.
18. FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
19. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
20. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
- 20.1 • SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
- 20.2 • LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
- 20.3 • LOCATE AT THE BASE OF EACH VERTICAL STACK.
21. ALL PIPING UTILIZED IN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS SHALL COMPLY WITH NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION OF 25/50/0, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
22. WHERE NON-PLENUM-RATED PIPING IS PERMITTED OR REQUIRED WITHIN CONDITIONED AIR STREAMS, CONDITIONED SPACES, OR RETURN AIR PLENUMS, IT SHALL BE INSULATED TO ACHIEVE NFPA 90A FLAME SPREAD, SMOKE DEVELOPMENT, AND FUEL CONTRIBUTION RATINGS OF 25/50/0, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

MEDICAL GAS GENERAL NOTES

1. MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE.
2. MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE AND COORDINATE WITH ALL OTHER TRADES.
3. MOUNT ALL SERVICE VALVES CEILING HEIGHT FOR ACCESSIBILITY.
4. ALL SERVICE VALVES SHALL BE LOCKABLE. PROVIDE FRANGIBLE LOCK FOR ALL SERVICE VALVES.
5. ALL ZONE VALVE BOXES REQUIRE SOURCE AIR FROM SIDE AND CONTROLLED AIR FROM RIGHT SIDE.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 360005
CONSULTANTS

INTERMOUNTAIN HEALTH LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION
		Title Sheet Revision

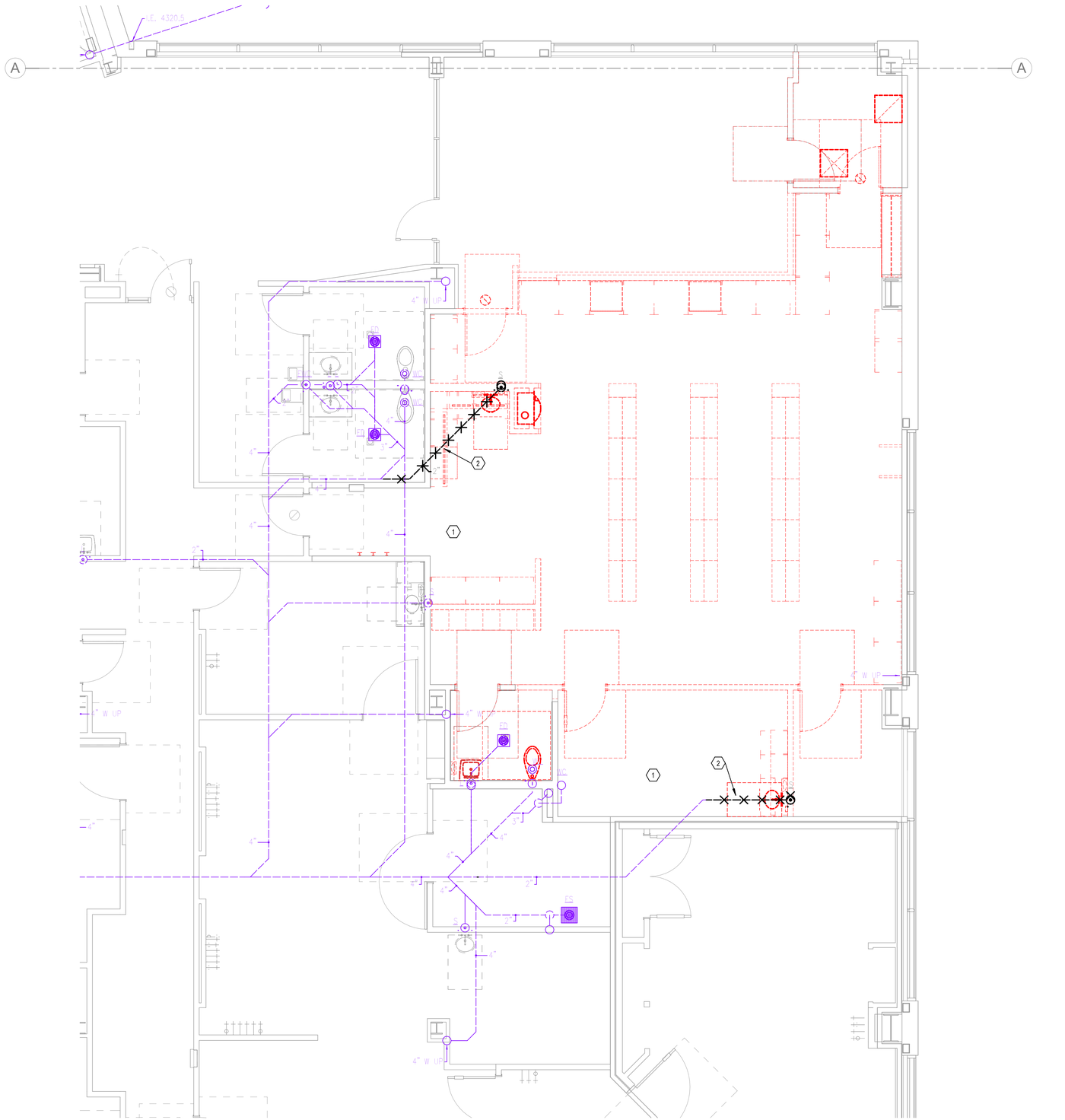
PLUMBING TITLE SHEET
SHEET NAME

P001
SHEET NUMBER

4/28/2026 4:07:39 PM

KEYNOTES

1	EXISTING SHOWN LIGHT AND PURPLE TO REMAIN. DARK AND CROSSED OUT TO BE DEMOLISHED.
2	WASE PIPING SERVING EXISTING SINK TO BE DEMOLISHED, TAKE BACK AS FAR AS POSSIBLE.



1 LEVEL 1 PLUMBING UNDERFLOOR DEMO PLAN
1 / PD100 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:40 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

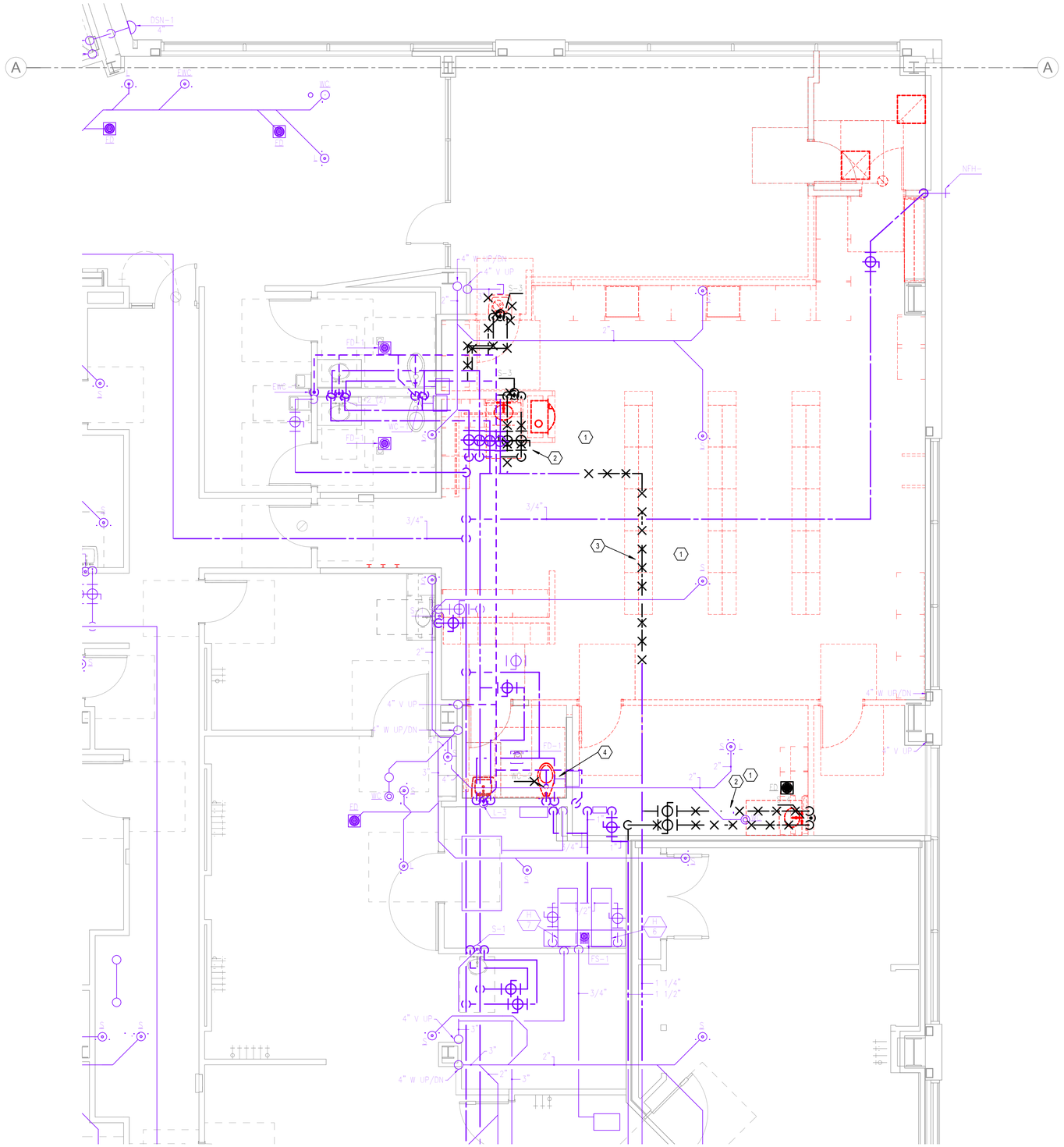
#	DATE	DESCRIPTION

LEVEL 1 PLUMBING UNDERFLOOR DEMO PLAN
SHEET NAME

PD100
SHEET NUMBER

KEYNOTES

1	EXISTING SHOWN LIGHT AND PURPLE TO REMAIN. DARK AND CROSSED OUT TO BE DEMOLISHED.
2	DOMESTIC PIPING SERVING EXISTING SINK TO BE DEMOLISHED.
3	DEMOLISH PORTION OF EXISTING DOMESTIC HOT WATER LOOP.
4	EXISTING FIXTURES IN THIS ROOM TO REMAIN AND BE PROTECTED. EXISTING WATER CLOSET TO BE DEMOLISHED AND REPLACED WITH NEW.



1 LEVEL 1 PLUMBING DEMO PLAN
1 / PD101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:41 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

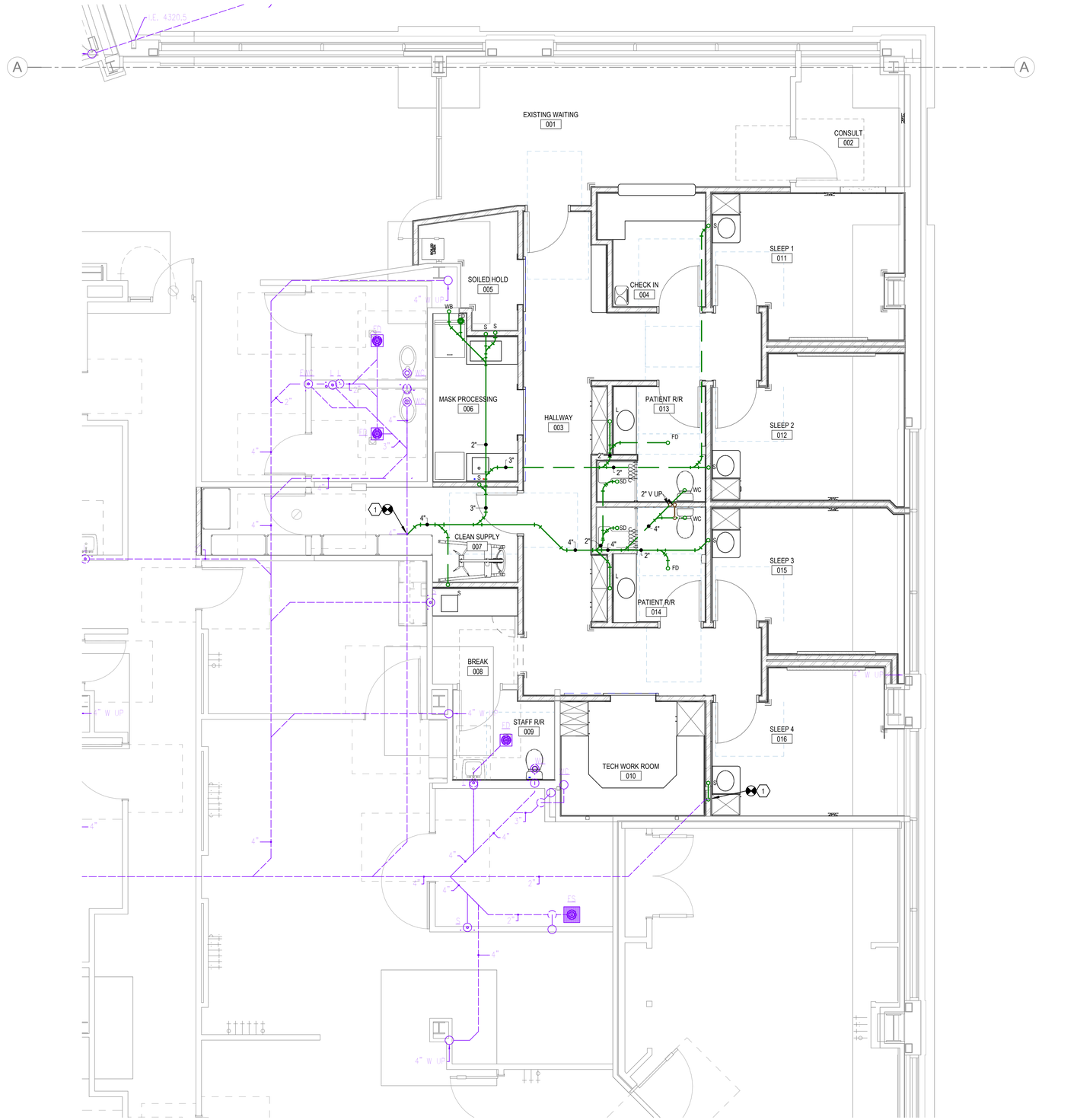
#	DATE	DESCRIPTION

LEVEL 1 PLUMBING DEMO PLAN
SHEET NAME

PD101
SHEET NUMBER

KEYNOTES

1 NEW CONNECTION TO EXISTING WASTE PIPING.



1 LEVEL 1 PLUMBING UNDERFLOOR PLAN
1 / P100 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:42 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

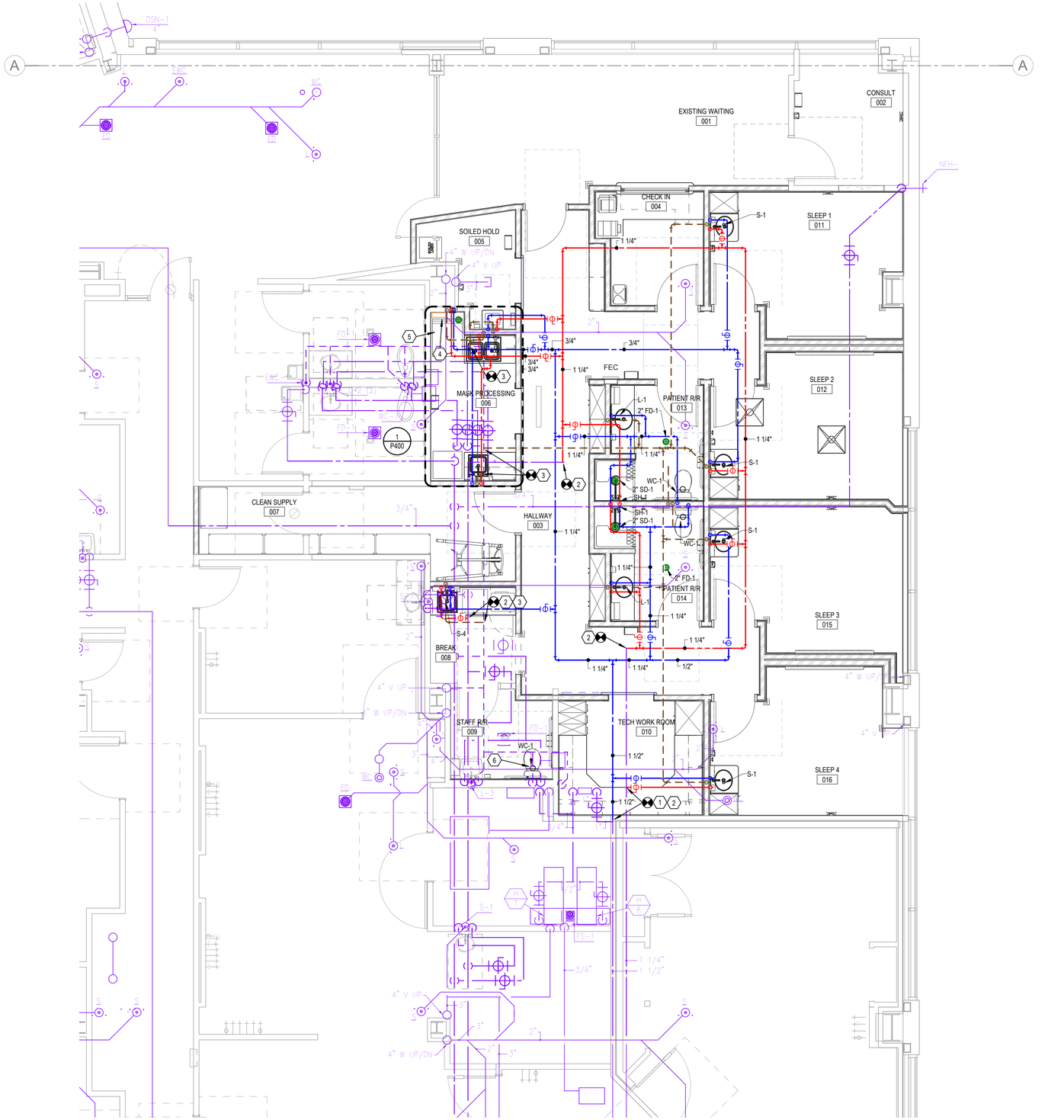
#	DATE	DESCRIPTION

LEVEL 1 PLUMBING UNDERFLOOR PLAN
SHEET NAME

P100
SHEET NUMBER

KEYNOTES

1	NEW CONNECTION TO EXISTING DOMESTIC COLD WATER.
2	NEW CONNECTION TO EXISTING DOMESTIC HOT WATER.
3	NEW CONNECTION TO EXISTING VENT.
4	WATER HEATER PROVIDED BY OWNER. PROVIDE ISOLATION VALVE AT INLET CONNECTION. SEE PASTEURIZER DETAIL ON DETAILS SHEET FOR PIPING INSTRUCTIONS.
5	PASTEURIZER PROVIDED BY OWNER. CONNECT TO DOMESTIC HOT AND COLD WATER, HIGH TEMPERATURE WATER AND WASTE AS SHOWN ON THE DETAILS SHEET, AND PER MANUFACTURERS RECOMMENDATIONS.
6	EXISTING FIXTURES IN THIS ROOM TO REMAIN AND BE PROTECTED. EXISTING WATER CLOSET TO BE DEMOLISHED AND REPLACED WITH NEW.



1 LEVEL 1 PLUMBING PLAN
1 / P101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:44 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP
LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

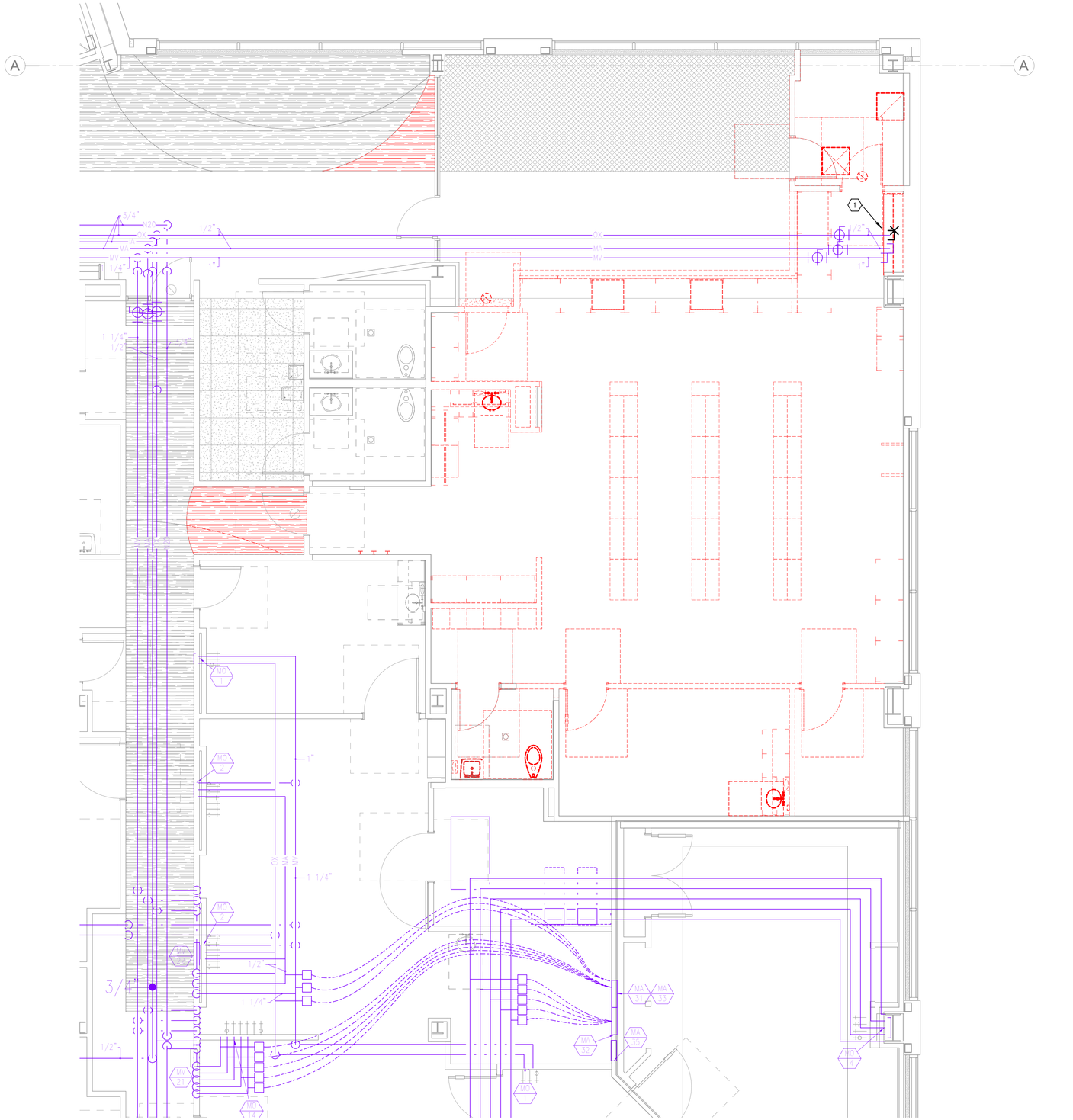
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

LEVEL 1 PLUMBING PLAN
SHEET NAME

P101
SHEET NUMBER

KEYNOTES	
1	REMOVE OXYGEN PIPING CAP.



1 LEVEL 1 MEDICAL GAS DEMO PLAN

1 / MGD101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'

0 2"

1/4" = 1'-0"

4/28/2026 4:07:45 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT

181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005

CONSULTANTS

INTERMOUNTAIN HEALTH

LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

LEVEL 1 MEDICAL GAS DEMO PLAN

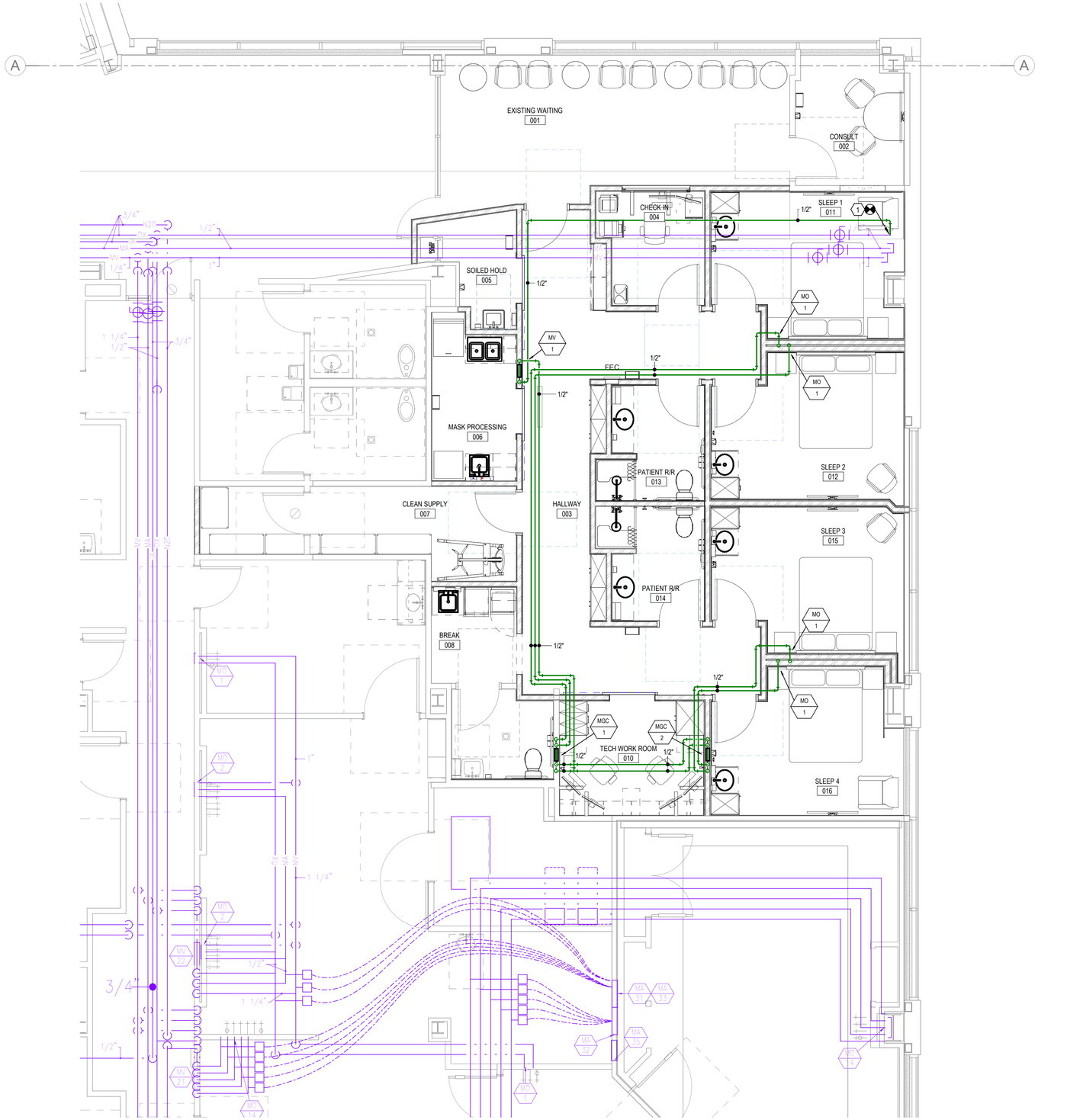
SHEET NAME

MGD101

SHEET NUMBER

KEYNOTES

1 NEW CONNECTION TO EXISTING MEDICAL OXYGEN PIPING.



1 LEVEL 1 MEDICAL GAS PLAN

1 / MG101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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

4/28/2026 4:07:47 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT

181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 26005

CONSULTANTS

INTERMOUNTAIN HEALTH

LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

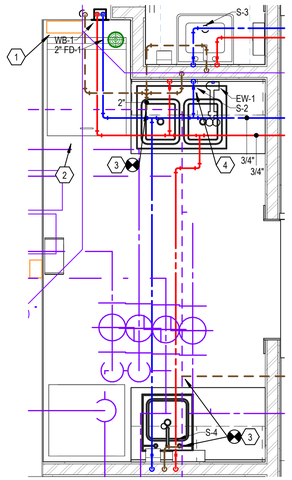
#	DATE	DESCRIPTION

LEVEL 1 MEDICAL GAS PLAN

SHEET NAME

MG101

SHEET NUMBER



1 LEVEL 1 MASK PROCESSING
1/2" = 1'-0"

KEYNOTES

1	WATER HEATER PROVIDED BY OWNER, SEE PASTEURIZER DETAIL ON DETAILS SHEET FOR PIPING INSTRUCTIONS.
2	PASTEURIZER PROVIDED BY OWNER. CONNECT TO DOMESTIC HOT AND COLD WATER, HIGH TEMPERATURE WATER AND WASTE AS SHOWN ON THE DETAILS SHEET, AND PER MANUFACTURERS RECOMMENDATIONS.
3	NEW CONNECTION TO EXISTING VENT SYSTEM.
4	PROVIDE DOUBLE STOPS AND BRAIDED STAINLESS STEEL HOSES FOR SINK AND EW-1 TMV CONNECTIONS. INSTALL EYEWASH MIXING VALVE IN CABINETRY BELOW SINK.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

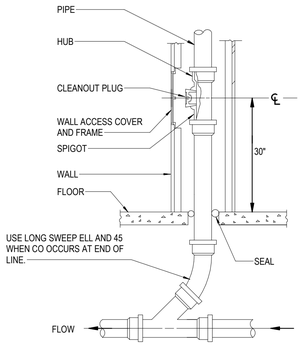
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

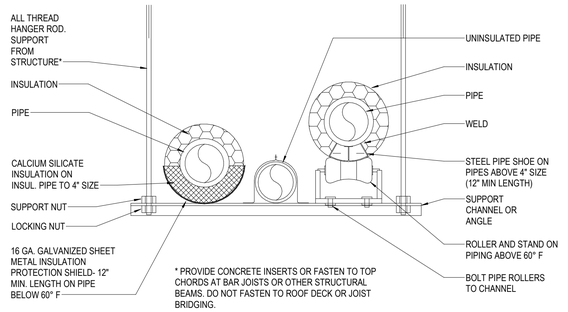
PLUMBING
ENLARGED VIEWS
SHEET NAME

P400
SHEET NUMBER

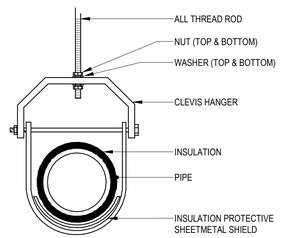
4/28/2026 4:07:48 PM



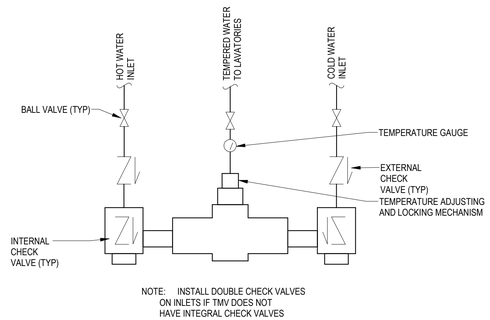
4 P500 WALL CLEAN OUT DETAIL
NOT TO SCALE



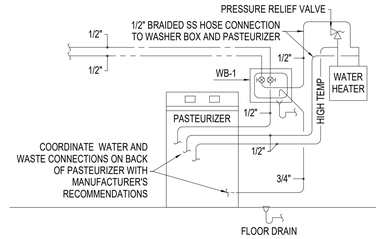
1 P500 TRAPEZE PIPE HANGER DETAIL
NOT TO SCALE



5 P500 CLEVIS HANGER DETAIL
NOT TO SCALE



2 P500 THERMOSTATIC MIXING VALVE DETAIL
NOT TO SCALE



6 P500 PASTEURIZER AND WATER HEATER DETAIL1
NOT TO SCALE

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

PLUMBING DETAILS
SHEET NAME

P500
SHEET NUMBER

4/28/2026 4:07:49 PM

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
EW-1	EYE WASH	1/2	1/2	-.-	-.-	WALL MOUNTED	EYE WASH: GUARDIAN G1848LH-L WALL MOUNTED EYE WASH, SWING DOWN, TWO GS-PLUS SPRAY HEADS WITH FLIP TOP DUST COVERS. PROVIDE WITH TMV G3600 THERMOSTATIC MIXING VALVE INSTALLED IN CABINETRY BELOW SINK.
FD-1	FLOOR DRAIN	-.-	-.-	2	2	RESTROOM	FLOOR DRAIN (RESTROOM): SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE AND TRAP GUARD TYPE MECHANICAL TRAP SEAL DEVICE.
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	SOLID SURFACE COUNTER INTEGRAL SINK	SINK (INTEGRAL WITH COUNTER): SINK BASIN INTEGRAL WITH SOLID SURFACE COUNTER, PROVIDED BY OTHERS. SYMMONS SLW5512BBZPP ELM LAVATORY FAUCET, 8-INCH CENTERS, METAL DRAIN ASSEMBLY, FAUCET SHALL BE METAL CONSTRUCTION PLATED IN BRUSH BRONZE FINISH. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-1	SINK	1/2	1/2	1 1/2	1 1/2	SOLID SURFACE COUNTER INTEGRAL SINK	SINK (INTEGRAL WITH COUNTER): SINK BASIN INTEGRAL WITH SOLID SURFACE COUNTER, PROVIDED BY OTHERS. SYMMONS SLW5512BBZPP ELM LAVATORY FAUCET, 8-INCH CENTERS, METAL DRAIN ASSEMBLY, FAUCET SHALL BE METAL CONSTRUCTION PLATED IN BRUSH BRONZE FINISH. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-2	SINK	1/2	1/2	1 1/2	1 1/2	COUNTER MOUNTED, SINGLE COMPARTMENT	SINK: JUST SL-1815A-J 12" X 12" X 7 1/2" DEEP BOWL, COUNTER MOUNT SINGLE COMPARTMENT 18 GA. STAINLESS STEEL SINK, 8" CENTERS DRILLING, REAR-CENTER DRAIN CONFIGURATION. PROVIDE CHICAGO 786-GN8FCABCP FAUCET, NO. 317.4" WRIST BLADES, GN8 RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.5 GPM FC LAMINAR FLOW CONTROL IN SPOUT AND PLAIN END SPOUT RING. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; JUST J-35-FS STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-3	SINK	1/2	1/2	1 1/2	1 1/2	WALL MOUNTED, GOOSENECK FAUCET	SINK (WALL HUNG): KOHLER K-2032 GREENWICH 20" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 8" FAUCET CENTERS; K-7129 OPEN GRID STRAINER; CHICAGO 786-GN8FCABCP FAUCET, NO. 317.4" WRIST BLADES, GN8 RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.5 GPM FC LAMINAR FLOW CONTROL IN SPOUT AND PLAIN END SPOUT RING. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HANDI-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS.
S-4	SINK	1/2	1/2	1 1/2	1 1/2	BREAK ROOM SINK	SINK (STAINLESS STEEL, COUNTER MOUNTED, SINGLE COMPARTMENT): JUST SL2019A-J 18GA. 304 STAINLESS STEEL SINK, 14" X 16" X 7-1/2" DEEP BASIN, SELF RIMMING, 8" CENTERS DRILLING WITH J-35 CUP STRAINER. SYMMONS S-23-BH-1.5 KITCHEN FAUCET WITH 1.5 GPM AERATOR. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
SD-1	SHOWER DRAIN	-.-	-.-	2	1 1/2	CHROME PLATED STRAINER	SHOWER DRAIN: SMITH 2005Y-CP FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH SQUARE CHROME PLATED ADJUSTABLE STRAINER STRAINDER HEAD WITH SECURED GRATE.
SH-1	SHOWER	1/2	1/2	2	2	ADA	SHOWER (ADA COMPLIANT): CHICAGO 1921-V0CCP THERMOSTATIC / PRESSURE BALANCE DRAINING SHOWER VALVE WITH LEVER HANDLE; SUPPLY CHICAGO 154-LADC/LESS HEAD. SYMMONS ADACHS-1.5 GPM WITH PAUSE CONTROL. ADJUSTBABLE HIGH LIMIT STOP SCREW, INTEGRAL SERVICE STOPS WITH CHECKS, (2) 34" SS HOSES WITH AUTOMATIC HOSE DRAIN, INLINE BREAKER, WALL CONNECTION AND ADA GRAB AND SLIDE BAR FOR HAND SHOWER MOUNTING.
WB-1	WASHER BOX	1/2	1/2	2	1 1/2	DUAL TEMP, DRAIN	WASHER BOX: GUY GRAY 82039 RIGHT DRAIN, GALVANIZED WASHING MACHINE OUTLET BOX WITH (2) CHROME QUARTER TURN BALL VALVES WITH 1/2" SWEAT CONNECTION, 3/4" HOSE THREAD OUTLET, AND 2" RIGHT DRAIN.
WC-1	WATER CLOSET	1	-.-	4	2	FLOOR MOUNTED, FLUSH VALVE, ADA	WATER CLOSET: KOHLER K-4368 HIGHCLIFF VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA TOILET WITH K-4670-C LUSTRA OPEN-FRONT SEAT. SLOAN WES-111 MANUAL DUAL FLUSH; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

MEDICAL GAS VALVE SCHEDULE

SYMBOL	AREA SERVED	PIPE SIZE OX	PIPE SIZE MA	PIPE SIZE MV	REMARKS
MV-1	SLEEP ROOMS	1/2"	-.-	-.-	1

1. WITH GAUGES

MEDICAL GAS OUTLETS SCHEDULE

SYMBOL	ROOM TYPE	# OF OUTLETS OX	# OF OUTLETS MA	# OF OUTLETS MV	PIPE DROP SIZE TO OUTLET(S) OX	PIPE DROP SIZE TO OUTLET(S) MA	PIPE DROP SIZE TO OUTLET(S) MV	REMARKS
MO-1	SLEEP ROOMS	1	-.-	-.-	1/2"	-.-	-.-	1

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMETRON-STYLE QUICK-CONNECTS
OUTLETS IN "MEDICAL EQUIPMENT" ARE SUPPLIED WITH THE PIECE OF EQUIPMENT

1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS.

MEDICAL GAS CONTROL PANEL SCHEDULE

SYMBOL	ROOM TYPE	# OF OUTLETS SEVED BY PANEL OX	# OF OUTLETS SEVED BY PANEL MA	# OF OUTLETS SEVED BY PANEL MV	PIPE DROP SIZE TO OUTLET(S) OX	PIPE DROP SIZE TO OUTLET(S) MA	PIPE DROP SIZE TO OUTLET(S) MV	REMARKS
MGC-1	SLEEP ROOMS 1 & 2	2	-.-	-.-	1/2"	-.-	-.-	1
MGC-2	SLEEP ROOMS 3 & 4	2	-.-	-.-	1/2"	-.-	-.-	1

1. CONTROL PANEL SHALL BE POWEREX PX-SLP-2.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

PLUMBING SCHEDULES
SHEET NAME

P600
SHEET NUMBER

4/28/2026 4:07:50 PM

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME / 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
X-X / XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
XXX / EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
X-X / 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
	LADDER RACK.
J J	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
CONDUIT TYPES	
	RIGID NONMETALLIC CONDUIT, POWER 208V
	RIGID NONMETALLIC CONDUIT, POWER 480V
	RIGID NONMETALLIC CONDUIT, POWER 600+V
	RIGID NONMETALLIC CONDUIT, COMMUNICATIONS
	RIGID METALLIC CONDUIT, POWER 208V
	RIGID METALLIC CONDUIT, POWER 480V
	RIGID METALLIC CONDUIT, POWER 600+V
	RIGID METALLIC CONDUIT, COMMUNICATIONS

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
D	RECEPTACLE, DRYER: NEMA 14-30R.
R	RECEPTACLE, RANGE: NEMA 14-50R.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
T	THERMOSTAT.
FB#.D#.A#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. FB# = FLOORBOX, RECTANGULAR COVER, GANGS FR# = FLOORBOX, ROUND COVER, GANGS FFB# = FURN FEED FLOORBOX, RECTANGULAR COVER, GANGS FFR# = FURN FEED FLOORBOX, ROUND COVER, GANGS D# = DATA CABLES A# = A/V GANGS
PT#.D#.A#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. PT# = POKE-THRU, GANGS FPT# = FURNITURE FEED POKE-THRU, GANGS D# = DATA CABLES A# = A/V GANGS
PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	SWITCH, DIMMER.
X $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
X $2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
X $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
X $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
	RECEPTACLE, DUPLEX, WITH USB OUTLET

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4OUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB XFMR	BUCK-BOOST TRANSFORMER
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CI	CONTACT INDICATOR
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CR	CARD READER
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HWM	HORIZONTAL WIRE MANAGEMENT
HZ	HERTZ
I/O	INPUT/ OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED/ ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER CURRENT PROTECTION
OE	OWNER ELECTRONICS
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFP	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
PV	PHOTO VOLTAIC
QTY	QUANTITY
R	REMOVE
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RO	REMOTE DOOR OPEN
RPM	REVOLUTIONS PER MINUTE
RPP	RISER PATCH PANEL
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SEC	SECURITY
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPP	STATION PATCH PANEL
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TR	TELECOMMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
VIC	VIDEO INTERCOM SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX

EE001	ELECTRICAL COVER SHEET
EE002	SYMBOLS LEGEND
EE003	TELECOM SCHEDULES AND NOTES
EE004	AUXILIARY SCHEDULES AND NOTES
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING DETAILS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
ED102	LEVEL 1 CEILING DEMOLITION PLAN
EP100	LEVEL 1 OVERALL POWER PLAN
EP101	LEVEL 1 POWER PLAN
EP201	LEVEL 1 ELECTRICAL RACEWAY PLAN
EP550	TELECOM EQUIPMENT RACK ELEVATIONS
EP551	TELECOM DETAILS
EP650	TELECOM CONDUIT & CABLE RISER DIAGRAM
EL101	LEVEL 1 LIGHTING PLAN
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
EL602	LIGHTING CONTROL SCHEDULES
EL603	LIGHTING RELAY & PANEL SCHEDULES
EY101	LEVEL 1 AUXILIARY PLAN
EY650	AUXILIARY DETAIL & RISER DIAGRAMS

DEFERRED SUBMITTALS

DELEGATED DEFERRED DESIGN SUBMITTAL TO BE PROVIDED BY CONTRACTOR

FIRE ALARM SYSTEM

PROVIDE COMPLETE DIGITAL ADDRESSABLE FIRE ALARM SYSTEM IN COMPLIANCE WITH CURRENT NFPA AND ALL LOCAL BUILDING AND FIRE ALARM CODES SPECIFIC TO THIS PROJECT. THE SYSTEMS SHALL BE DESIGNED BY A NICET-CERTIFIED, FIRE ALARM TECHNICIAN, LEVEL III MINIMUM.

THE FIRE ALARM DRAWINGS, RISERS , AND SPECIFICATIONS ARE SHOWN AS A BASIS OF DESIGN TO SHOW INTENT FOR BIDDING, FINAL DOCUMENTS WITH CALCULATIONS SPECIFYING ALL REQUIRED DEVICES, CABLING, EQUIPMENT, AND PROGRAMMING ARE TO BE PROVIDED BY THE CONTRACTOR. THE CONTRACTORS BID SHALL INCLUDE THE FULL FIRE ALARM SYSTEM REQUIRED AND NOT BE LIMITED TO THE DEVICES AND TYPICAL RISER DIAGRAM SHOWN.

SEE BASIS OF DESIGN DRAWINGS AND SPECIFICATIONS FOR INTENDED DESIGN. COMPLY WITH THE CODE ANALYSIS AND BUILDING CONSTRUCTION TYPES OF THIS PROJECT, SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR BUILDING TYPE, OCCUPANCY, FIRE WALL SEPARATIONS, AND OTHER REQUIREMENTS THAT WILL HAVE AN EFFECT ON THE FIRE ALARM SYSTEM DESIGN.

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.

2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.

4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.

5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRICAL CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON B. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

ELECTRICAL COVER SHEET
SHEET NAME

EE001
SHEET NUMBER

4/30/2026 2:10:01 PM
Autodesk Docs://IM Layton Sleep Lab/25028_Elec Central.rvt

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
	CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
	EARTH GROUND (ONE-LINE DIAGRAM).
	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
ANN	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).
EPO	PUSH BUTTON, REMOTE EMERGENCY STOP.
M	METER.
BBF	BROAD BAND FILTER (ONE-LINE DIAGRAM).
VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
B B	BUSWAY.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	FUSE WITH RATING (ONE-LINE DIAGRAM).
	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	STARTER (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER (ONE-LINE DIAGRAM).
S.T.	CIRCUIT BREAKER WITH SHUNT TRIP (ONE-LINE DIAGRAM).
MCP	CIRCUIT BREAKER, MOTOR CIRCUIT PROTECTION (ONE-LINE DIAGRAM).
#AF #AT	CIRCUIT BREAKER, ADJUSTABLE TRIP. "#AF" REPRESENTS FRAME RATING. "#AT" REPRESENTS TRIP UNIT. (ONE-LINE DIAGRAM).
LSIG	CIRCUIT BREAKER, ADJUSTABLE TRIP CURVE. L=LONG TIME CURVE ADJUSTMENT, S=SHORT TIME CURVE ADJUSTMENT, I=INSTANTANEOUS CURVE ADJUSTMENT, G=GROUND FAULT ADJUSTMENT FULLY COMPLIANT WITH NEC 210.13, 215.10 AND 230.95. (ONE-LINE DIAGRAM).
	CIRCUIT BREAKER, SOLID STATE WITH ARC ENERGY REDUCTION SYSTEM INCLUDING ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR FULLY COMPLIANT WITH NEC 240.87 (ONE-LINE DIAGRAM)
	CIRCUIT BREAKER, DRAW OUT (ONE-LINE DIAGRAM).
	MOTOR.
	TRANSFORMER (ONE-LINE DIAGRAM).
	POTENTIAL TRANSFORMER (PT/VT) (ONE-LINE DIAGRAM).
	CURRENT TRANSFORMER (CT) (ONE-LINE DIAGRAM).
	BATTERY (ONE-LINE DIAGRAM).
	CAPACITOR (ONE-LINE DIAGRAM).
	DELTA CONNECTION (ONE-LINE DIAGRAM).
	WYE CONNECTION (ONE-LINE DIAGRAM).
"1DPHA"	DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).
"1H"	PANELBOARD (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
FIRE ALARM	
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
FATC	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
HVAC	CONTROL PANEL FOR HVAC: SMOKE CONTROL, STAIR PRESSURIZATION.
EVAC	VOICE EVACUATION PANEL.
PRE	PRE-ACTION CONTROL PANEL.
MIC	REMOTE VOICE EVACUATION MICROPHONE.
FPC	FIRE PUMP CONTROLLER.
JPC	JOCKEY PUMP CONTROLLER.
C	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED BY FIRE ALARM INSTALLER.
CM	CONTROL MODULE.
MM	MONITOR MODULE.
F	FIRE ALARM MANUAL PULL STATION.
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
FS	WATER FLOW SWITCH. FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
VS	VALVE SUPERVISORY SWITCH, TAMPER SWITCH. TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
PS	PRESSURE SUPERVISORY SWITCH. PRESSURE SWITCHES SHALL BE PROVIDED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS..
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, WALL MOUNTED.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
SD	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
RTS	REMOTE ALARM INDICATING AND TEST SWITCH.
CO	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
WP	ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
C	ALARM, CHIME/STROBE, WALL MOUNTED, ONE ASSEMBLY.
G	ALARM, HORN/STROBE WITH GUARD, WALL MOUNTED, ONE ASSEMBLY.
M	ALARM, MINI HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE.
75	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER, CEILING MOUNTED.
75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
NURSE CALL	
	JUNCTION BOX.
	CORRIDOR LIGHT.
B	BATHROOM PULL CORD STATION.
D	DUTY STATION.
E	EMERGENCY ASSISTANCE CALL STATION.
E CB	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
P	PATIENT STATION.
S	STAFF STATION.
NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
ZLC	ZONE LIGHT CONTROLLER.
CU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
a,b	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
P	PHOTOCELL.
P	PHOTOCELL, WALL MOUNTED.
	CEILING FAN.
RC	DIGITAL LIGHTING ROOM CONTROLLER
DC	DIGITAL LIGHTING DIMMING CONTROLLER
LC	DIGITAL PLUG LOAD CONTROLLER
LS	LIGHTING NETWORK SWITCH.
NR	LIGHTING NETWORK ROUTER.
SM	LIGHTING NETWORK SEGMENT MANAGER
NB	LIGHTING NETWORK BRIDGE
ET	LIGHTING EMERGENCY TRANSFER DEVICE
L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON B. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

SYMBOLS LEGEND
SHEET NAME

EE002
SHEET NUMBER

4/30/2026 2:10:03 PM
Autodesk Docs://IH Layton Sleep Lab/25071A-Elec Central.rvt

CATEGORY INSERT COLOR SCHEDULE

INSERT COLOR	TYPE/ APPLICATION
BLUE	ANALOG PHONE DEVICES
BLUE	DATA DEVICES
BLUE	SECURITY DEVICES
ORANGE	MONITORING DEVICES
ORANGE	NURSE CALL DEVICES
RED	FORESEER DEVICES
YELLOW	WIRELESS ACCESS POINT DEVICES

DATA PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/ RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY
5	BLUE	50% OF TOTAL PORTS IN TDR'S
7	BLUE	40% OF TOTAL PORTS IN TDR'S
10	BLUE	5% OF TOTAL PORTS IN TDR'S
15	BLUE	5% OF TOTAL PORTS IN TDR'S

WIRELESS PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/ RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY
5	YELLOW	50% OF TOTAL PORTS IN TDR'S
7	YELLOW	40% OF TOTAL PORTS IN TDR'S
10	YELLOW	5% OF TOTAL PORTS IN TDR'S
15	YELLOW	5% OF TOTAL PORTS IN TDR'S

NURSE CALL PATCH CORD SCHEDULE

(CATEGORY 6 UTP CABLES W/ RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY
5	ORANGE	50% OF TOTAL PORTS IN TDR'S
7	ORANGE	40% OF TOTAL PORTS IN TDR'S
10	ORANGE	5% OF TOTAL PORTS IN TDR'S
15	ORANGE	5% OF TOTAL PORTS IN TDR'S

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS, WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE - CATEGORY 6A F/UTP, RISER RATED, BLUE, DATA	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE - CATEGORY 6A F/UTP, PLENUM RATED, BLUE, DATA	SIEMON 9A6P4-A5-06-R1A
	STATION CABLE - CATEGORY 6A F/UTP, RISER RATED, YELLOW, WIRELESS	SIEMON 9A6R4-A5-05-R1A
	STATION CABLE - CATEGORY 6A F/UTP, PLENUM RATED, YELLOW, WIRELESS	SIEMON 9A6P4-A5-05-R1A
	STATION CABLE - CATEGORY 6 UTP, RISER RATED, ORANGE, NURSE CALL	SIEMON 9C6R4-E3-09-RXB
	STATION CABLE - CATEGORY 6 UTP, PLENUM RATED, ORANGE, NURSE CALL	SIEMON 9C6P4-E3-09-RXA
A	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (A=ABOVE COUNTER)	SIEMON 10GMX-FPS04-02
	NOTE: FOR FLOOR BOX APPLICATIONS ONLY, USE DECORA FRAME	SIEMON MX-DAZ-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
4	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
((•))	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON Z6A-S05
SEC	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION (SEC=SECURITY DEVICE)	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON Z6A-S06
SPP1	48 PORT, 1RU ANGLED PATCH PANEL W/ OUTLETS - DETACHABLE REAR MANAGER	SIEMON Z6AS-PA-48
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 5 FOOT	SIEMON SP6A-S05-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 7 FOOT	SIEMON SP6A-S07-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 10 FOOT	SIEMON SP6A-S10-06
	PATCH CABLE, CATEGORY 6A SHIELDED, BLUE, 15 FOOT	SIEMON SP6A-S15-06
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 5 FOOT	SIEMON SP6A-S05-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 7 FOOT	SIEMON SP6A-S07-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 10 FOOT	SIEMON SP6A-S10-05
	PATCH CABLE, CATEGORY 6A SHIELDED, YELLOW, 15 FOOT	SIEMON SP6A-S15-05
	PATCH CABLE, CATEGORY 6, ORANGE, 5 FOOT - NURSE CALL ONLY	SIEMON MC6-05-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 7 FOOT - NURSE CALL ONLY	SIEMON MC6-07-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 10 FOOT - NURSE CALL ONLY	SIEMON MC6-10-09-28
	PATCH CABLE, CATEGORY 6, ORANGE, 15 FOOT - NURSE CALL ONLY	SIEMON MC6-15-09-28

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

GENERAL TELECOM NOTES

1 UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.

2 PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.

3 LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.

4 THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING, WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES, BUT IS NOT LIMITED TO, ALL CABLE LABELING AND ALL EQUIPMENT LABELING.

5 IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.

6 GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.

7 FOR EVERY PULL SPECIFIED, COIL 15 FEET OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15 FEET ABOVE THE CEILING OR BELOW THE FLOOR, WHERE APPLICABLE.

8 PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.

9 RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF THERE IS A SYSTEM THAT HAS NO RACK SPACE AVAILABLE, PLEASE CALL BOE SAUSEDO AT 801-707-3805.

10 COORDINATE WITH ALL SUB-CONTRACTORS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.

11 CONTRACTOR TO PROVIDE FIRE-RATED SLEEVES THROUGH 1-HOUR RATED WALLS AND HIGHER. NUMBER OF SLEEVES TO BE DETERMINED AND CALCULATED BY MAXIMUM CABLE TRAY CAPACITY AT WALL PENETRATION. FINAL QUANTITY OF SLEEVES TO BE DETERMINED BY CONTRACTOR.

12 CONTRACTOR TO PROVIDE SMOKE AND ACOUSTICAL-RATED SLEEVES THROUGH SMOKE WALLS AND ALL OTHER NON-RATED PENETRATIONS. (2) 4" SLEEVES PER ROOM FOR CABLE CAPACITY AND SERVICE SEPARATION. FINAL QUANTITY OF SLEEVES TO BE DETERMINED BY CONTRACTOR.

13 CONTRACTOR TO PROVIDE FIRE-RATED SLEEVES THROUGH 1-HOUR RATED WALLS AND HIGHER. (1) SLEEVE PER J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.

14 CONTRACTOR TO PROVIDE SMOKE AND ACOUSTICAL-RATED SLEEVES THROUGH SMOKE WALLS AND ALL OTHER NON-RATED PENETRATIONS. (1) SLEEVE PER J-HOOK PATHWAY FOR CABLE CAPACITY AND SERVICE SEPARATION.

15 THE USE OF CABLE TIES IS NOT ALLOWED TO BUNDLE CABLES (LACE OR TRAIN) IN LADDER RACK, CABLE TRAY, OR TO FINAL TERMINATION POINT. CONTRACTOR SHOULD UTILIZE "HOOK AND LOOP" FOR BUNDLING OF ALL CABLES.

16 THE USE OF CABLE TIES IS NOT ALLOWED FOR THE SUPPORT OF CABLE, OR THE ATTACHMENT OF CABLES IN ANY CEILING SPACE. THE USE OF J-HOOKS IS REQUIRED FOR NON-CONTINUOUS PATHWAYS IN CEILINGS. CONTRACTORS SHOULD UTILIZE "HOOK AND LOOP" FOR BUNDLING OF ALL CABLES.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

TELECOM SCHEDULES AND NOTES
SHEET NAME

EE003
SHEET NUMBER

4/30/2026 2:10:04 PM
Autodesk Docs://Int Layton Sleep Lab/25028_Elec Central.rvt

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	ROUGH-IN REQUIREMENTS	NOTES
ACS	ACCESS CONTROL SYSTEM HEAD END	SEE EY651	
IDS	INTRUSION DETECTION SYSTEM HEAD END	SEE EY651	
VSS	VIDEO SURVEILLANCE SYSTEM HEAD END	SEE EY651	
CR	CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	CARD READER MULLION MOUNTED	AT 40" AFF; SEE DETAILS	
CR	CARD READER POE	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	CARD READER WITH KEYPAD	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	BIOMETRIC CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	ANTI-LIGATURE CARD READER	4SQ J-BOX W/SINGLE GANG MUD RING AT 40" AFF; 0.75" CONDUIT TO ACS	
CR	CARD READER LEVER SET AND LOCK DEVICE	CABLING ROUTED THROUGH DOOR AND TRANSFER HINGE	
WR	WIRELESS CARD READER		
	SINGLE-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	DUAL-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	MULTI-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	PANORAMIC 360°/180° SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	PTZ MULTI-IMAGER SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	PTZ SURVEILLANCE CAMERA	REFER TO DETAIL XX/EYXXX	REFER TO TELECOM FOR CABLING
	DOOR LOCK TYPE [NO LETTER] - GENERIC LOCK [M] - MAG LOCK [L] - LEVER SET LOCK [S] - ELECTRIC STRIKE LOCK [C] - CRASH BAR LOCK [O] - AUTO OPERATOR [G] - GATE	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR	SEE DOOR ROUGH IN DETAIL EY551	
	DOOR CONTACT INDICATOR - HIGH SECURITY (HS)	SEE DOOR ROUGH IN DETAIL EY551	
	REQUEST TO EXIT DEVICE [NO LETTER] - GENERIC REX [M] - MOTION REX [L] - LEVER SET REX [C] - CRASH BAR REX [D] - DELAYED EGRESS REX	SEE DOOR ROUGH IN DETAIL EY551	
IC VIC CIC	INTERCOM STATION VIDEO INTERCOM STATION CARD ACCESS INTERCOM STATION	4SQ J-BOX AT 40" AFF; 1" CONDUIT TO CONTROL ROOM	LOUROE ELECTRONICS TLM-E SPEAKER MICROPHONE
MS SIP	INTERCOM MASTER STATION	4SQ J-BOX AT 18" AFF UNDER COUNTER/DESK; 1" CONDUIT	LOUROE ELECTRONICS TLM-E SPEAKER MICROPHONE
	360° MOTION DETECTOR - CEILING MOUNTED	SINGLE GANG J-BOX; 0.75" CONDUIT	
	MOTION DETECTOR - WALL MOUNTED MOTION DETECTOR - CORNER MOUNTED	SINGLE GANG J-BOX; 0.75" CONDUIT STUB CONDUIT INTO WALL SPACE; 0.75" CONDUIT PENETRATION INTO CORNER OF WALL	
S	SIREN	SINGLE GANG J-BOX; 0.75" CONDUIT	
(X) [XX]	CONTROL BUTTON [PB] - PANIC BUTTON [LB] - LOCK DOWN [DR] - DOOR RELEASE (T) - TRANSMITTER (R) - RECEIVER	SEE DETAIL, MOUNT UNDER DESK, COORDINATE EXACT LOCATION WITH OWNER	
WKS	WORKSTATION		COORDINATE POWER AND DATA ADJACENT TO LOCATION INDICATED ON PLANS.
MXX	DESKTOP MONITOR FOR WORKSTATION; "XX" - MONITOR SIZE; COORDINATE WITH OWNER.		COORDINATE POWER ADJACENT TO LOCATION INDICATED ON PLANS.
MXX	WALL MOUNTED MONITOR FOR VIDEO SURVEILLANCE AND SECURITY. "XX" - MONITOR SIZE; COORDINATE WITH OWNER.	CHIEF PAC525, PROVIDE WITH POWER IN ONE SIDE AND DATA IN OTHER SIDE. PROVIDE 1-1/4" C TO 4-11/16" BOX AT 18" AFF FOR MONITOR CABLE PASS THROUGH ADJACENT TO POWER AND DATA SERVING WORKSTATION.	HDMI OR DISPLAY PORT TO LOCAL WORKSTATION.

GENERAL PROJECT NOTES

1. PROVIDE PLENUM RATED CABLE FOR ALL SPECIFIED CABLE.
2. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH. ACCORDING TO WRITTEN SPECIFICATION.
3. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
4. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
5. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
6. AIM CAMERAS, BACK FOCUS AND DEMONSTRATE VIEW TO OWNERS SATISFACTION, RE-AIM AND FOCUS AS REQUESTED BY OWNER.
7. CONNECT INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM FOR REMOTE ENTRY. COORDINATE OPERATION WITH OWNER.

ABBREVIATIONS

SEC	SECURITY

GENERAL AUXILIARY NOTES

1. PROVIDE PLENUM RATED CABLE FOR ALL SPECIFIED CABLE.
2. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH. ACCORDING TO WRITTEN SPECIFICATION.
3. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
4. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLE SHALL BE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.
5. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.
6. AIM CAMERAS, BACK FOCUS AND DEMONSTRATE VIEW TO OWNERS SATISFACTION, RE-AIM AND FOCUS AS REQUESTED BY OWNER.
7. CONNECT INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM FOR REMOTE ENTRY. COORDINATE OPERATION WITH OWNER.

NURSE CALL DEVICE SCHEDULE

FAMILY TYPE	DESCRIPTION	MANUFACTURER	MOUNTING OPTIONS	BACK BOX TYPE (UL 514-A LISTED)	TYPICAL MOUNTING HEIGHT	CABLE REQUIREMENTS
(CBb) Code Blue	SWITCH, CODE BLUE PUSH BUTTON SWITCH	HILL-ROM	WALL	4" SQ BOX 2-1/8" DEEP W/1-GANG MUD RING	48" AFF, CONFIRM WITH ARCHITECTURAL ELEVATIONS	1 CAT6 CABLE TO RCB
(Ds) Dome Light, Single Bulb Ceiling	SINGLE BULB DOME LIGHT	HILL-ROM	CEILING	4" SQ BOX 2-1/8" DEEP W/1-GANG MUD RING	CENTER ABOVE PATIENT DOOR 90" AFF	1 CAT6 CABLE TO RCB
(E) Bath Switch W/ Cancel	SWITCH, BATH SWITCH, WITH CANCEL, SUPERVISED	HILL-ROM	WALL	4" SQ BOX 2-1/8" DEEP W/1-GANG MUD RING	42" AFF, CONFIRM WITH ARCHITECTURAL ELEVATIONS	1 CAT6 CABLE TO RCB
(Es) Bath Switch W/O Cancel	SWITCH, BATH SWITCH, WITHOUT CANCEL, SUPERVISED	HILL-ROM	WALL	4" SQ BOX 2-1/8" DEEP W/1-GANG MUD RING	54" AFF, CONFIRM WITH ARCHITECTURAL ELEVATIONS	1 CAT6 CABLE TO RCB
(RCB) Room Control Board	ROOM CONTROL BOARD (RCB3)	HILL-ROM	ABOVE CEILING	HILL-ROM SUPPLIED 12"X12"X4" STEEL BOX ENCLOSURE	ABOVE ACCESSIBLE CEILING	1 CAT6 CABLE TO NCPP1

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

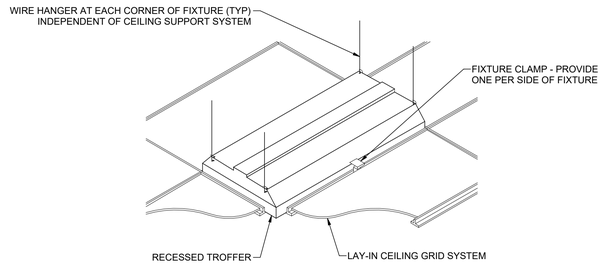
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

AUXILIARY SCHEDULES AND NOTES
SHEET NAME

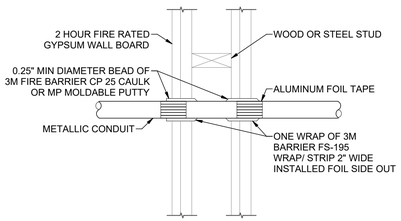
EE004
SHEET NUMBER

4/30/2026 2:10:05 PM
Autodesk Docs://N Layton Sleep Lab/25028_Elec Central.rvt



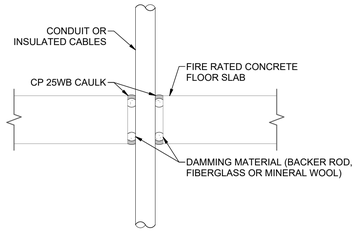
7 RECESSED FIXTURE MOUNTING DETAIL

SCALE: NTS



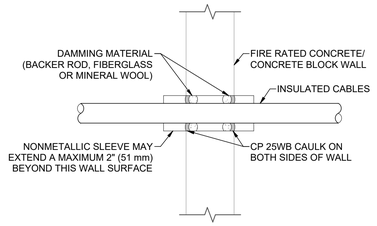
4 FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD

SCALE: NTS



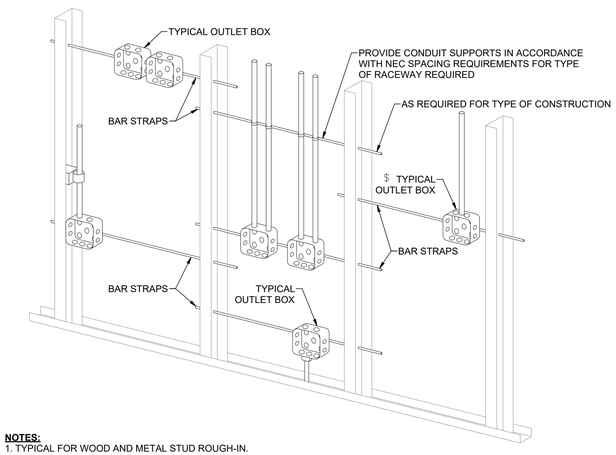
5 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

SCALE: NTS



6 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS

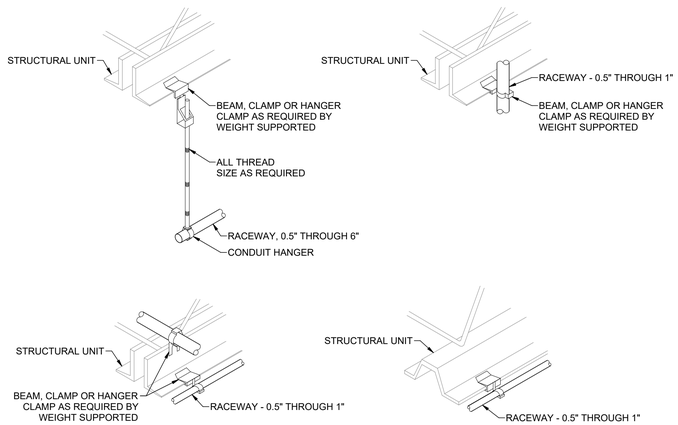
SCALE: NTS



NOTES:
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET BOXES.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

1 TYPICAL ROUGH-IN REQUIREMENTS DETAIL

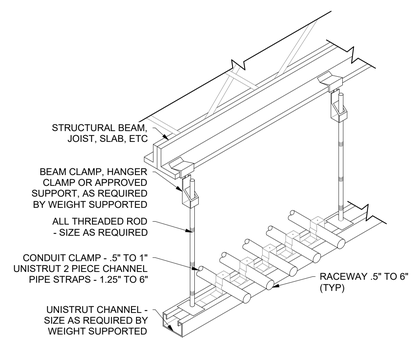
SCALE: NTS



NOTE:
1. TIE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.

2 TYPICAL RACEWAY SUPPORT METHODS DETAIL

SCALE: NTS



3 TYPICAL CONDUIT RACK DETAIL

SCALE: NTS

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

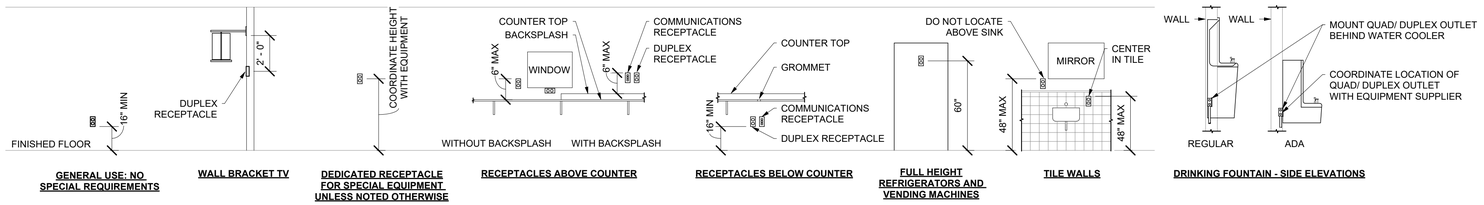
ELECTRICAL DETAILS

SHEET NAME

EE501

SHEET NUMBER

4/30/2026 2:10:04 PM
Autodesk Docs://01 Layton Sleep Lab/25028_Elec Central.rvt

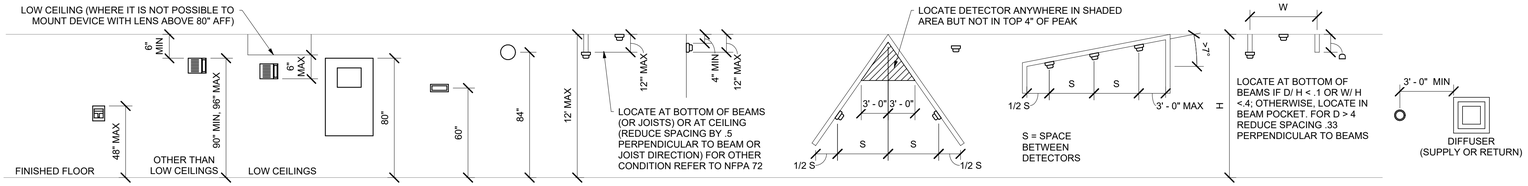


GENERAL USE: NO SPECIAL REQUIREMENTS | **WALL BRACKET TV** | **DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT UNLESS NOTED OTHERWISE** | **RECEPTACLES ABOVE COUNTER** | **RECEPTACLES BELOW COUNTER** | **FULL HEIGHT REFRIGERATORS AND VENDING MACHINES** | **TILE WALLS** | **DRINKING FOUNTAIN - SIDE ELEVATIONS**

NOTE:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

7 RECEPTACLE MOUNTING DETAILS

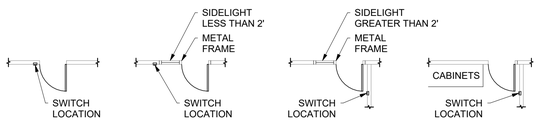
SCALE: NTS



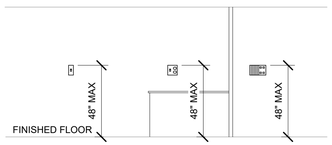
PULL STATION | **AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE** | **FIRE ALARM CONTROL PANEL** | **FIRE SYSTEM ANNUNCIATOR** | **BELL** | **SMOKE DETECTOR BETWEEN BEAMS** | **WALL MOUNTED SMOKE DETECTOR** | **SMOKE DETECTOR ON SLOPED CEILING (PEAKED)** | **SMOKE DETECTOR ON SLOPED CEILING (SHED)** | **HEAT DETECTOR BETWEEN BEAMS** | **SMOKE DETECTOR ADJACENT TO SUPPLY AIR**

6 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



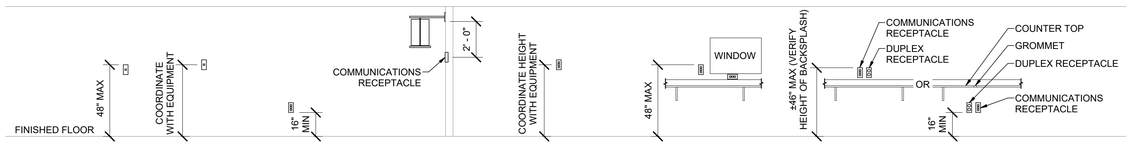
STANDARD DOOR | **DOOR WITH SIDELIGHT LESS THAN 2'** | **DOOR WITH SIDELIGHT GREATER THAN 2'** | **DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE**



GENERAL USE: ADA | **COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM** | **LIGHTING CONTROL STATION**

4 SWITCH MOUNTING DETAILS

SCALE: NTS

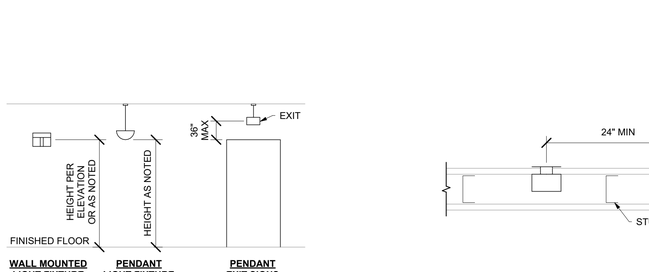


WALL PHONE | **PAY PHONE** | **GENERAL USE: NO SPECIAL REQUIREMENTS** | **WALL BRACKET TV** | **DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT** | **ABOVE COUNTER - TYPICAL** | **RECEPTACLES ABOVE OR BELOW COUNTER**

NOTE:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

5 COMMUNICATIONS MOUNTING DETAILS

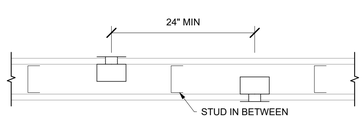
SCALE: NTS



WALL MOUNTED LIGHT FIXTURE | **PENDANT LIGHT FIXTURE** | **PENDANT EXIT SIGNS**

1 LIGHTING MOUNTING DETAILS

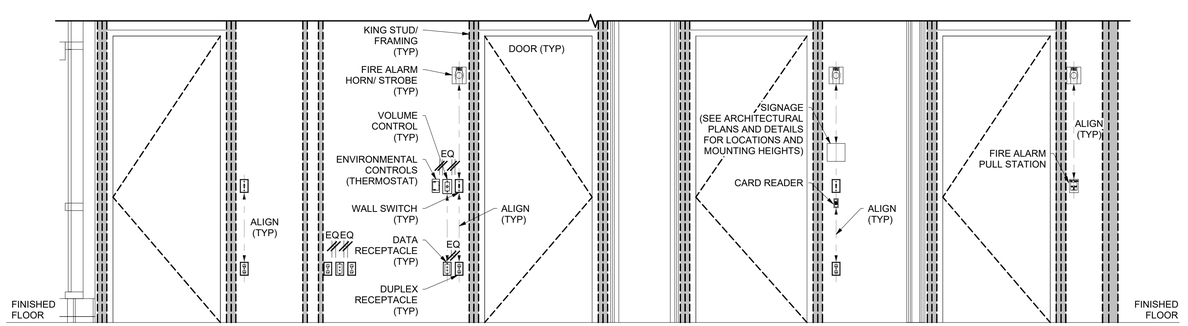
SCALE: NTS



NOTES:
1. FOR LESS THAN 24" SEPARATION, PROVIDE LISTED SOUND AND FIRE PUTTY PADS.
2. BOXES ON OPPOSITE SIDES OF WALL.

2 BOX MOUNTING DETAILS

SCALE: NTS



3 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

1. MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
   A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
   B - EQUIPMENT SHOP DRAWINGS.
   C - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
9. WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

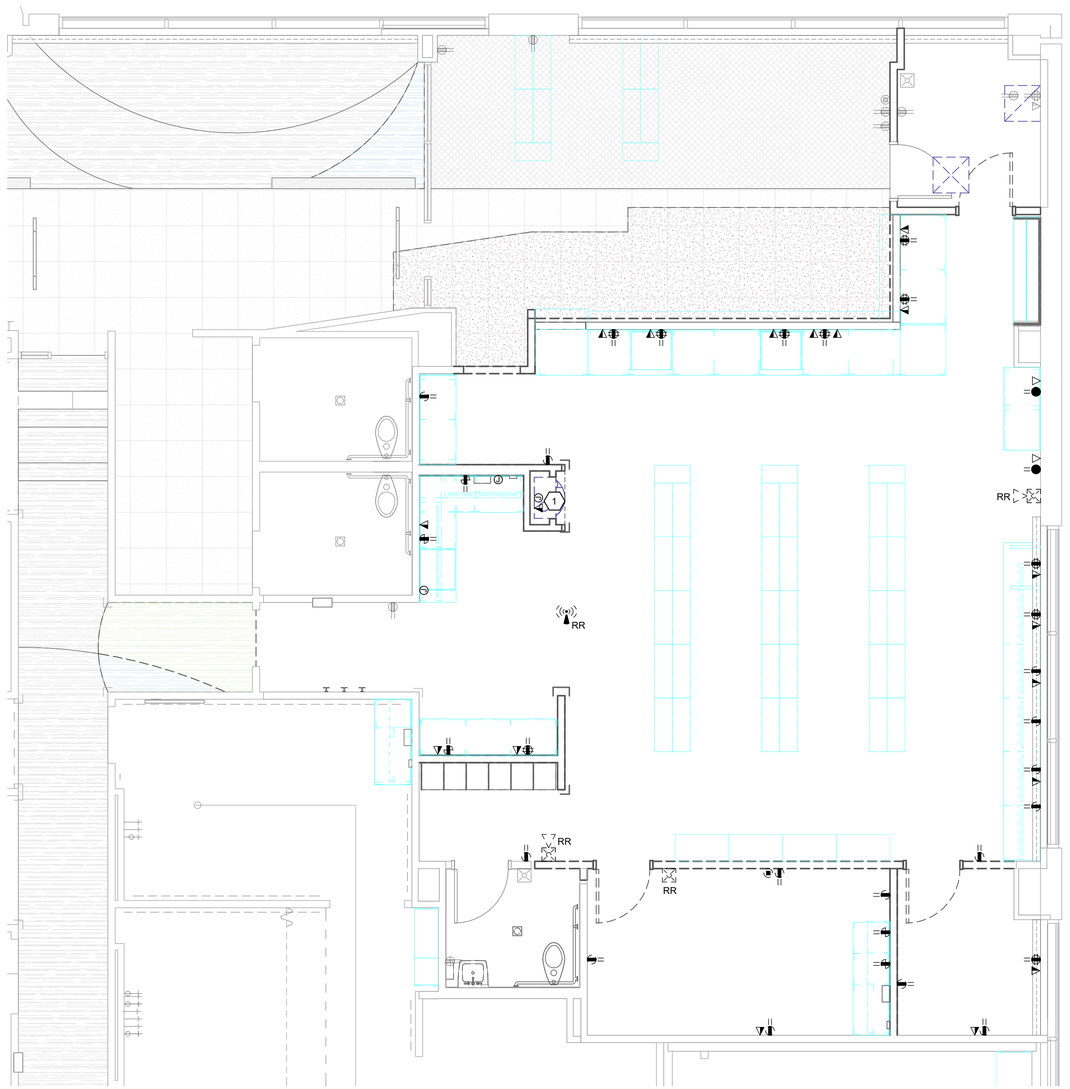
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

TYPICAL MOUNTING DETAILS
SHEET NAME

EE701
SHEET NUMBER

4/30/2026 2:10:07 PM
Autodesk Docs://IH Layton Sleep Lab/25028_Elec Central.rvt



1 LEVEL 1 ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

4 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.

10 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNETS, ETC. BACK TO SOURCE

11 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

12 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

13 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

SHEET KEYNOTES

1 DEMOLISH AND CAP PNEUMATIC TUBE SYSTEM UP TO ACCESSIBLE CEILING.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON_B WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LEVEL 1
ELECTRICAL
DEMOLITION PLAN
SHEET NAME

ED101
SHEET NUMBER

4/30/2026 2:10:10 PM
Autodesk Docs://IH Layton Sleep Lab/25028 Elec Central.rvt



1 LEVEL 1 CEILING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

4 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.

10 REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNETS, ETC. BACK TO SOURCE

11 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

12 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.

13 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.

SHEET KEYNOTES

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

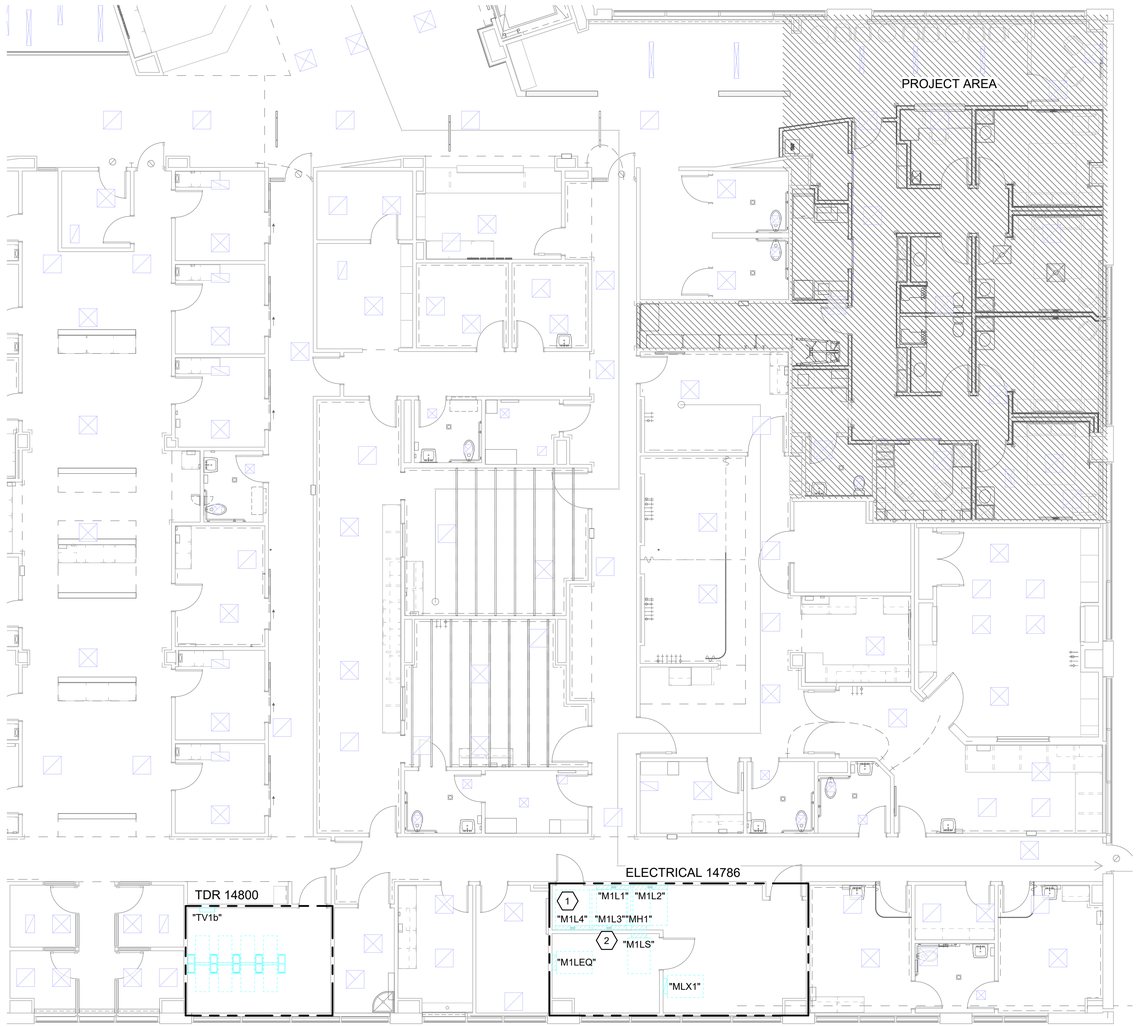
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LEVEL 1 CEILING DEMOLITION PLAN
SHEET NAME

ED102
SHEET NUMBER

4/30/2026 2:10:12 PM
Autodesk Docs://IH Layton Sleep Lab/25028A1-Elec Central.rvt



1 LEVEL 1 OVERALL POWER PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

1 PROVIDE DEDICATED NEUTRALS FOR BRANCH CIRCUITS.

2 ALL RECEPTACLES WITHIN 6' OF THE EDGE OF A SINK SHALL BE GFCI PROTECTED.

3 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIRMENTS OF NEC 517.13.

4 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY THE PROJECT.

SHEET KEYNOTES

1 PROVIDE (1) 30A/2P & (1) 50A/3P CIRCUIT BREAKER IN EXISTING GE PANEL M1L4

2 PROVIDE (1) 30A/1P CIRCUIT BREAKER IN EXISTING GE PANEL M1L3

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UT
04/30/2026
ARCHITECT STAMP

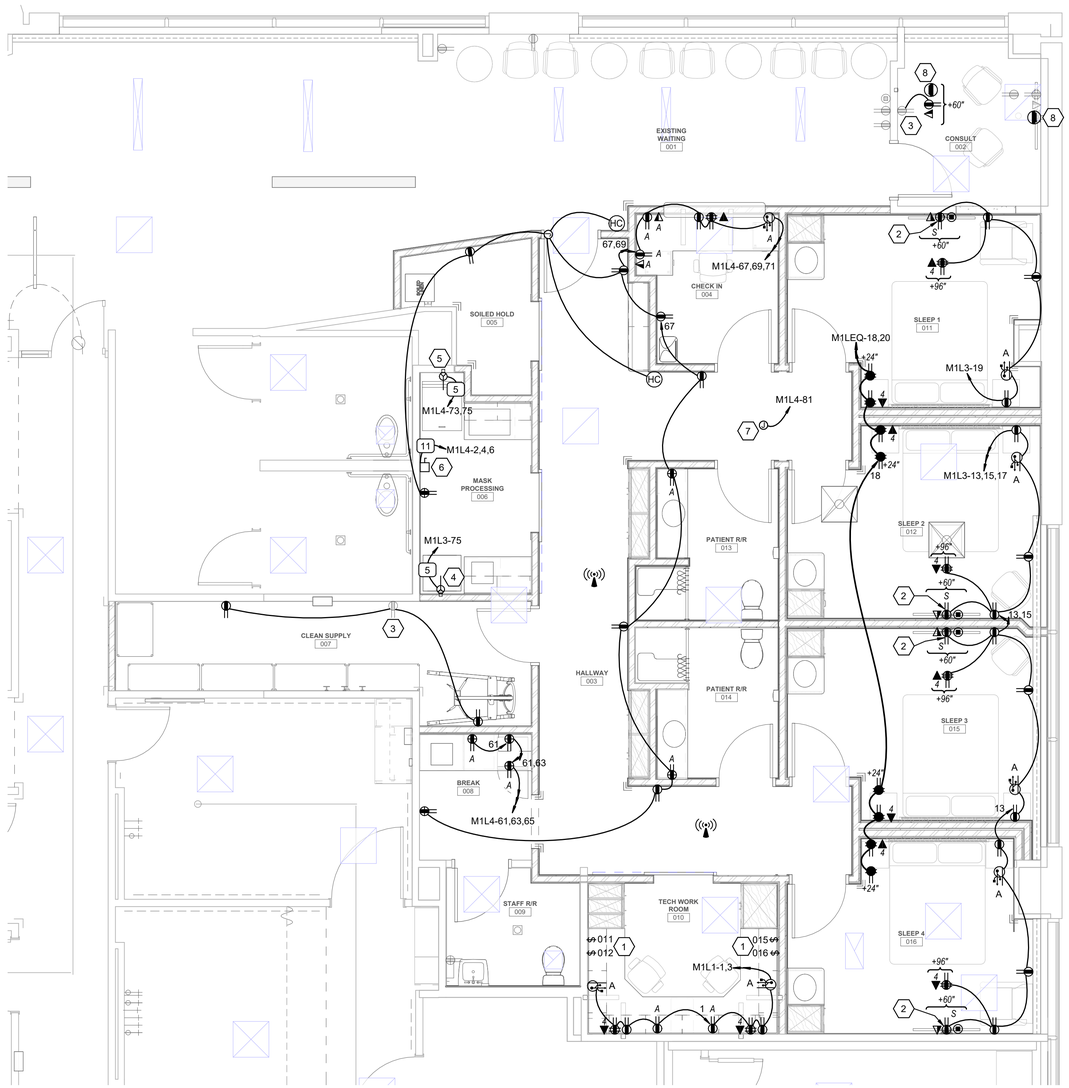
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LEVEL 1 OVERALL POWER PLAN
SHEET NAME

EP100
SHEET NUMBER

4/30/2026 2:10:16 PM
Autodesk Docs://IH Layton Sleep Lab/25028-Elec Central.rvt



1 LEVEL 1 POWER PLAN

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

GENERAL SHEET NOTES

1 PROVIDE DEDICATED NEUTRALS FOR BRANCH CIRCUITS.

2 ALL RECEPTACLES WITHIN 6' OF THE EDGE OF A SINK SHALL BE GFCI PROTECTED.

3 ALL WIRING IN PATIENT CARE AREAS SHALL MEET THE REQUIRMENTS OF NEC 517.13.

4 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED BY THE PROJECT.

SHEET KEYNOTES

1 SWITCHES TO CONTROL THE SWITCHED TV RECEPTACLES FOR EACH PATIENT ROOM AS INDICATED BY THE NUMBER SHOWN ADJACENT TO EACH SWITCH (IE. "011").

2 THE SWITCHABLE POWER RECEPTACLE WILL BE TOGGLED AT THE NURSE CONTROL STATION. COORDINATE THE EXACT MOUNTING HEIGHTS OF THE TV RECEPTACLES WITH THE OWNER. IN TECH WORK ROOM, COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/OWNER.

3 CONNECT TO EXISTING 120V POWER CIRCUIT.

4 PROVIDE NEMA L5-30R RECEPTACLE.

5 PROVIDE NEMA L6-30R RECEPTACLE. COORDINATE PLUG TYPE WITH EQUIPMENT VENDOR.

6 PROVIDE DISCONNECT FOR PASTEURIZER WATER HEATER.

7 PROVIDE 120V CONNECTION IN ACCESSIBLE CEILING FOR VAV'S

8 PROVIDE HDMI RECEPTACLE WITH 1.5" CONDUIT TO ACCESSIBLE CEILING; PROVIDE HDMI CABLE FROM COMPUTER TO TV MONITOR. COORDINATE EXACT LOCATION WITH OWNER.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

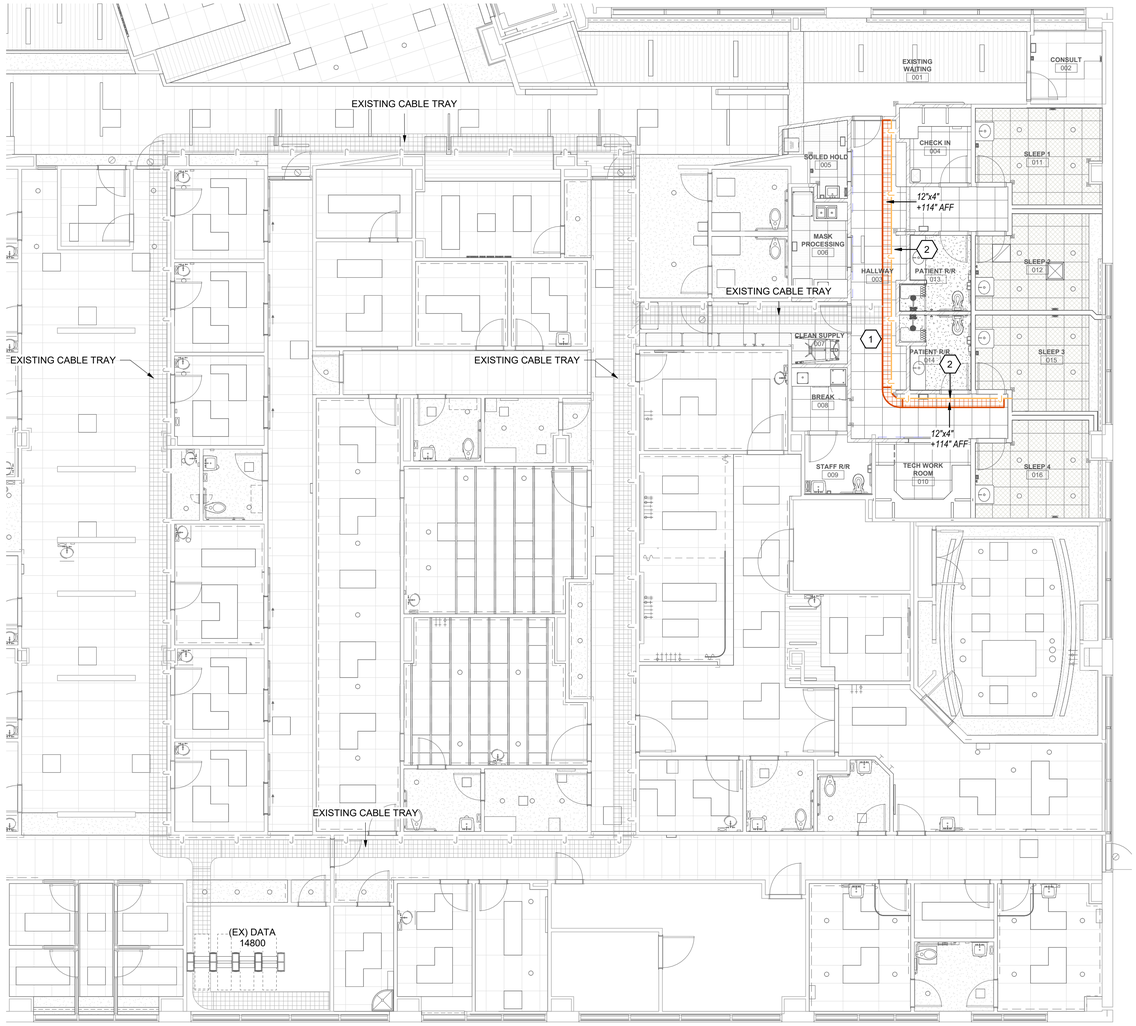
LEVEL 1 POWER PLAN

SHEET NAME

EP101

SHEET NUMBER

4/30/2026 2:10:19 PM
Autodesk Docs://IH Layton Sleep Lab/25028-Elec Central.rvt



1 LEVEL 1 ELECTRICAL RACEWAY PLAN

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

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CONTRACTOR TO PRESERVE AND PROTECT EXISTING CABLE TRAY AND J-HOOK PATHWAY.

2 CONTRACTOR TO PROVIDE AND INSTALL TRIPLE-TREE J-HOOK PATHWAY ABOVE CABLE TRAY IN ACCESSIBLE CEILING SPACE.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LEVEL 1
ELECTRICAL
RACEWAY PLAN

SHEET NAME

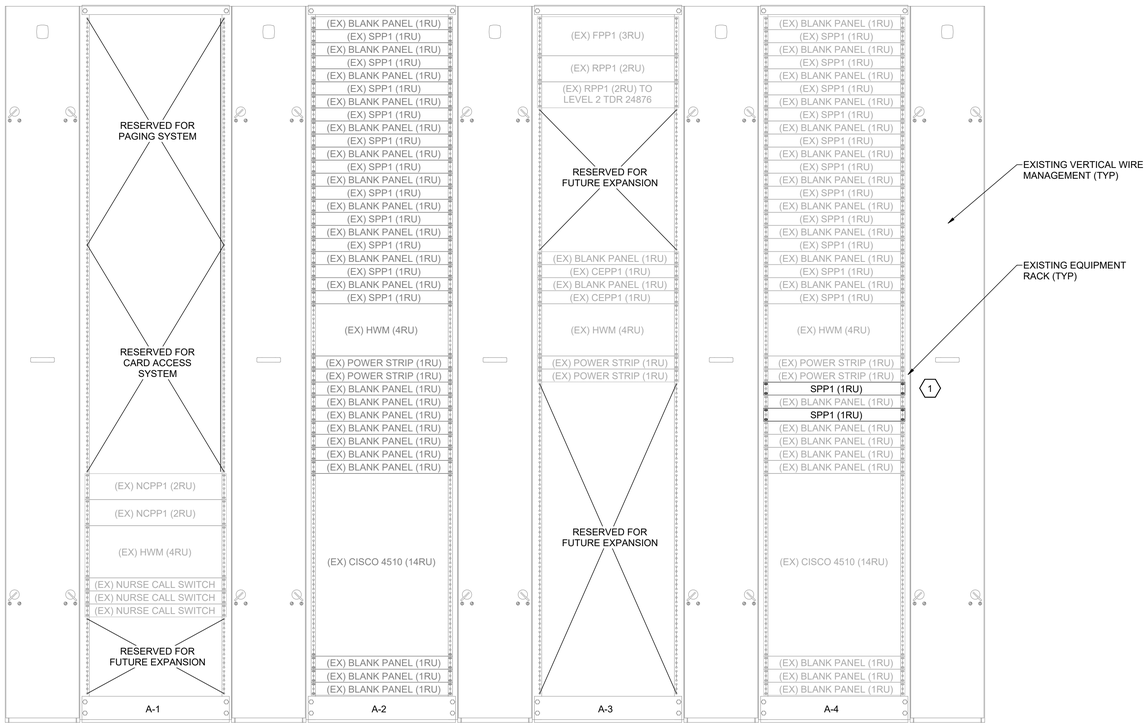
EP201

SHEET NUMBER

4/30/2026 2:10:25 PM
J:\Autodesk Docs://IN Layton Sleep Lab/25028_Elec Central.rvt

DATA DEVICE DROP SCHEDULE - LEVEL 1, TDR 14800

DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS
LEVEL 1				
CEILING WIRELESS ACCESS POINT (2-DROP)		(EX) DATA 14800	2	4
WALL DATA (2-DROP)		(EX) DATA 14800	5	10
WALL DATA (3-DROP)		(EX) DATA 14800	1	3
WALL DATA (4-DROP)		(EX) DATA 14800	10	40
WALL DATA - ABOVE COUNTER (2-DROP)		(EX) DATA 14800	2	4
Grand total			20	61



1 TYPICAL EQUIPMENT RACK ELEVATION DETAIL, LEVEL 01, (EX) DATA 14800

SCALE: NTS

4/30/2026 2:10:27 PM
Autodesk Docs://N Layton Sleep Lab/25074_Elec Central.rvt

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

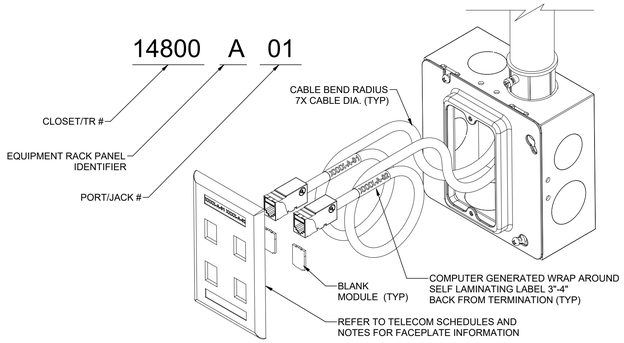
#	DATE	DESCRIPTION

TELECOM EQUIPMENT RACK ELEVATIONS

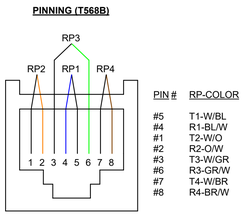
SHEET NAME

EP550

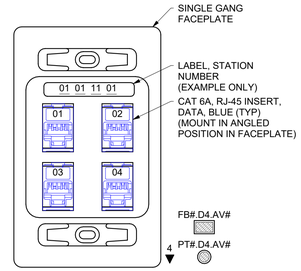
SHEET NUMBER



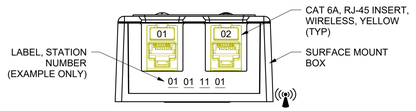
8 TYPICAL CABLE IDENTIFICATION WRAP AROUND DETAIL
SCALE: NTS



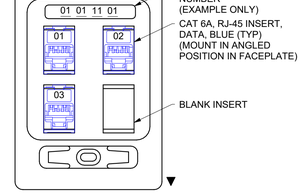
6 TYPICAL VOICE/DATA OUTLET PINNING DETAIL
SCALE: NTS



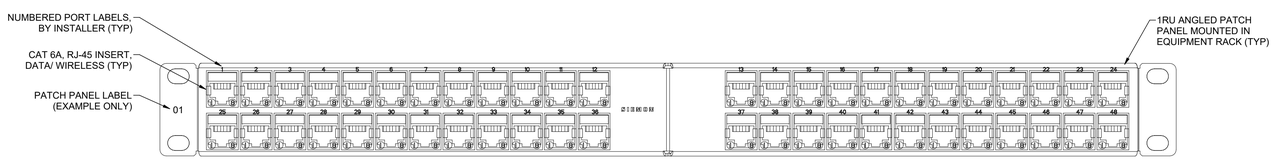
3 TYPICAL 4-PORT WALL DATA OUTLET
SCALE: NTS



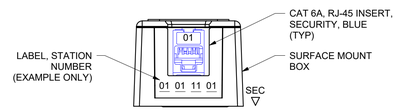
5 TYPICAL 2-PORT WIRELESS ACCESS POINT
SCALE: NTS



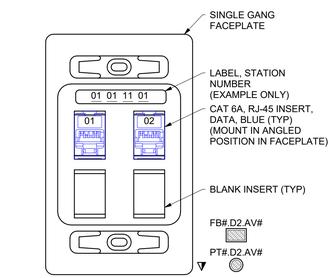
2 TYPICAL 3-PORT WALL DATA OUTLET
SCALE: NTS



7 STATION PATCH PANEL DETAIL (SPP1)
SCALE: NTS



4 TYPICAL 1-PORT CAMERA DATA OUTLET
SCALE: NTS



1 TYPICAL 2-PORT WALL DATA OUTLET
SCALE: NTS

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON_B WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

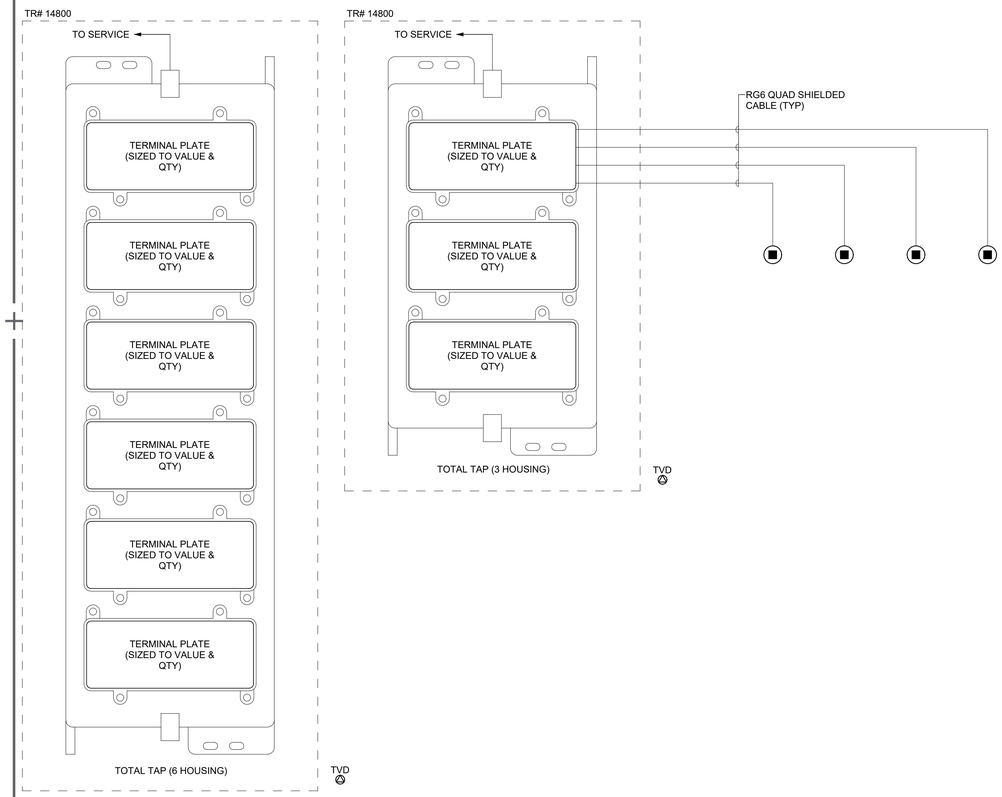
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

TELECOM DETAILS
SHEET NAME

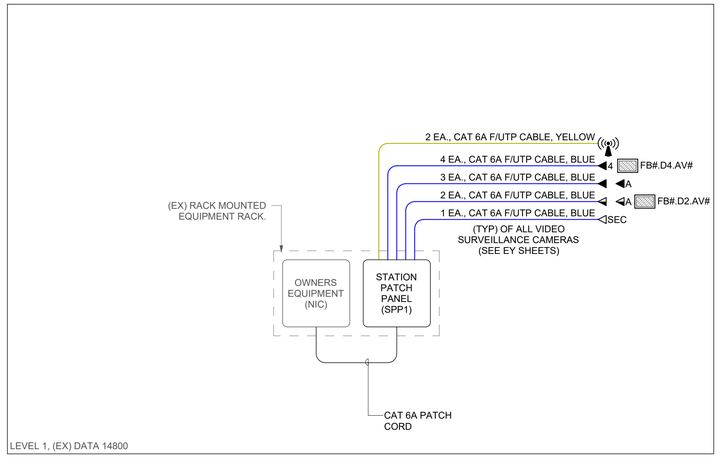
EP551
SHEET NUMBER

4/30/2026 2:10:29 PM
Autodesk Docs://IH Layton Sleep Lab/25071AI-Elec Central.rvt



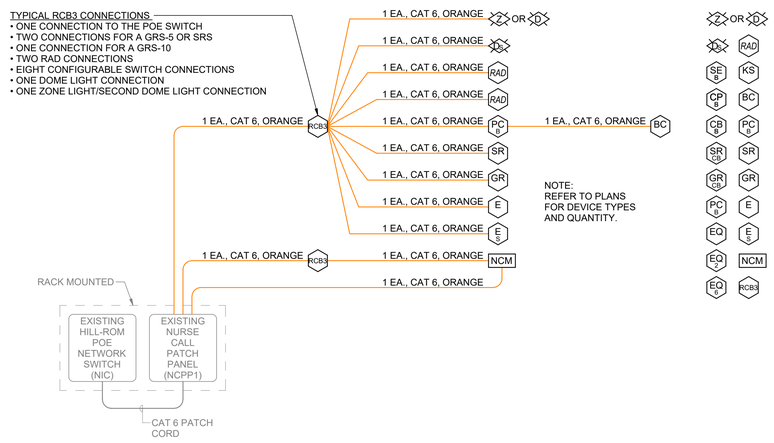
4 CABLE TV RISER DIAGRAM

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



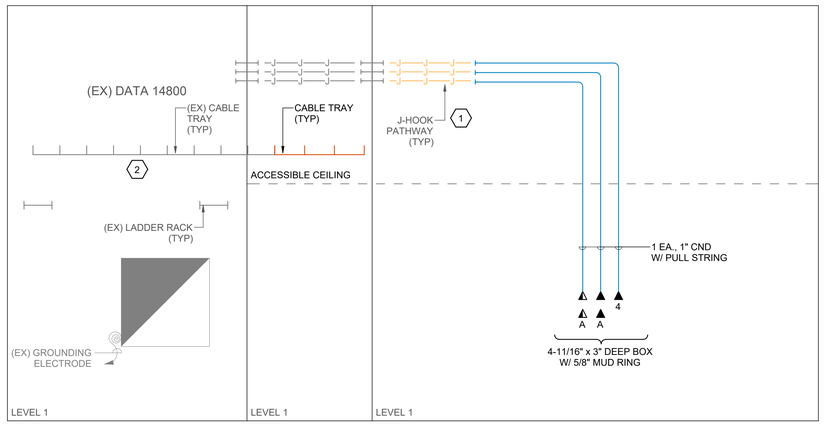
2 TELECOM CABLE RISER DIAGRAM

SCALE: NTS



3 NURSE CALL CABLE RISER DIAGRAM

SCALE: NTS



1 TELECOM CONDUIT RISER DIAGRAM

SCALE: NTS

GENERAL SHEET NOTES

1 PROVIDE PROTECTIVE BUSHING ON THE END OF ALL CONDUIT RUNS.

2 IN LOCATIONS WHERE CONDUIT IS STUBBED INTO THE CEILING SPACE, THE USE OF J-HOOKS IS REQUIRED TO CARRY THE CABLE BACK TO CABLE TRAY. MAXIMUM SPACING OF J-HOOKS IS 48". ENSURE NO MORE THAN 6 ' OF SAG AT THE LOWEST POINT OF THE CABLE. IF SAG IS GREATER THAN 6" ADD ADDITIONAL J-HOOKS FOR SUPPORT.

3 A SINGLE BEND CANNOT BE GREATER THAN 90 DEGREES.

4 NO MORE THAN 180 DEGREE IN BENDS IS ALLOWED WITH PROVIDING AN ACCESSIBLE PULL BOX. PULL BOX MUST BE IN AN ACCESSIBLE CEILING SPACE FOR ONGOING SUPPORT AND MAINTENANCE.

5 A SINGLE CONDUIT FOR HORIZONTAL CABLE CANNOT RUN MORE THAN 100 ' CONTINUOUSLY WITHOUT A PULL BOX OR AN ACCESSIBLE PULL POINT.

6 TELECOMMUNICATIONS CONDUIT SHOULD NOT RUN OVER OR ADJACENT TO BOILERS, INCINERATORS, HOT WATER LINES, OR STEAM LINES.

7 ALL CONDUIT MUST BE SEALED PROPERLY AFTER CABLE INSTALLATION TO ENSURE ANY RATED WALL ASSEMBLIES ARE RETURNED TO THE ORIGINAL WALL RATING.

8 TELECOMMUNICATIONS WORK AREA OUTLET SHOULD BE LOCATED WITHIN 3 ' OF AN ELECTRICAL OUTLET AND INSTALLED AT THE SAME ELEVATION.

9 THE DAISY CHAINING OF TELECOMMUNICATIONS BOXES IS NOT ALLOWED. ALL CONDUIT RUNS MUST BE DEDICATED TO ONE OUTLET LOCATION.

10 ALL CONDUITS INSTALLED FOR THE USE OF BACKBONE CABLE MUST USE LONG SWEEPS.

11 VERTICAL SLEEVES MUST EXTEND A MINIMUM OF 3" ABOVE THE FINISHED FLOOR BUT NO MORE THAN 8" ABOVE THE FINISHED FLOOR.

12 VERTICAL SLEEVES MUST BE COORDINATED WITH THE ENLARGE TELECOM VIEWS TO ENSURE PROPER CIRCULATION SPACE IS GIVEN.

13 VERTICAL SLEEVES SHOULD BE ADJACENT TO THE WALL AND IN A CORNER WHERE AT ALL POSSIBLE TO ALLOW FOR PROPER CABLE RACKING. NO MORE THAN TWO ROWS OF SLEEVES ARE ALLOWED.

14 VERTICALLY MOUNTED LADDER RACK IS REQUIRED TO SUPPORT CABLE. CABLE SHOULD BE SUPPORTED IN A VERTICAL POSITION TO ENSURE CABLE DOES NOT SLIP.

15 ALL VERTICAL SLEEVES MUST BE PROPERLY SEALED AFTER USE.

16 ALL CONDUIT SHOULD HAVE A PULL CORD INSTALLED WITH A MINIMUM TEST RATING OF 200 LBS.

17 AFTER CONDUIT INSTALLATION CONDUITS SHOULD BE LEFT CLEAN, DRY, AND UNOBSTRUCTED; REAMED AND FITTED WITH BUSHINGS, CAPPED FOR PROTECTION, AND LABELED FOR IDENTIFICATION.

18 ALL CABLE TRAY INSTALLATION MUST UTILIZE TRAPEZE MOUNTING. NO CENTER HUNG SUPPORTS WILL BE ALLOWED. NO WALL MOUNTS WILL BE ALLOWED. IF TRAPEZE SUPPORTS CANNOT BE USED, A REQUEST MUST BE SUBMITTED TO ALLOW ALTERNATE MOUNTING METHODS.

19 ALL CABLE TRAY MUST BE SEISMICALLY BRACED.

20 ALL CABLE TRAY THAT PENETRATES A RATED WALL ASSEMBLY MUST BE SEALED TO RETURN THE WALL TO ITS ORIGINAL RATING.

SHEET KEYNOTES

1 CONTRACTOR TO STUB CONDUIT INTO ACCESSIBLE CEILING SPACE. FROM CONDUIT STUB, PROVIDE J-HOOK PATHWAY FOR REQUIRED CABLES TO CABLE TRAY. MAXIMUM SPACING OF J-HOOK TO BE 48" ON-CENTER.

2 CONTRACTOR TO PRESERVE AND PROTECT EXISTING CABLE TRAY AND J-HOOK PATHWAY.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

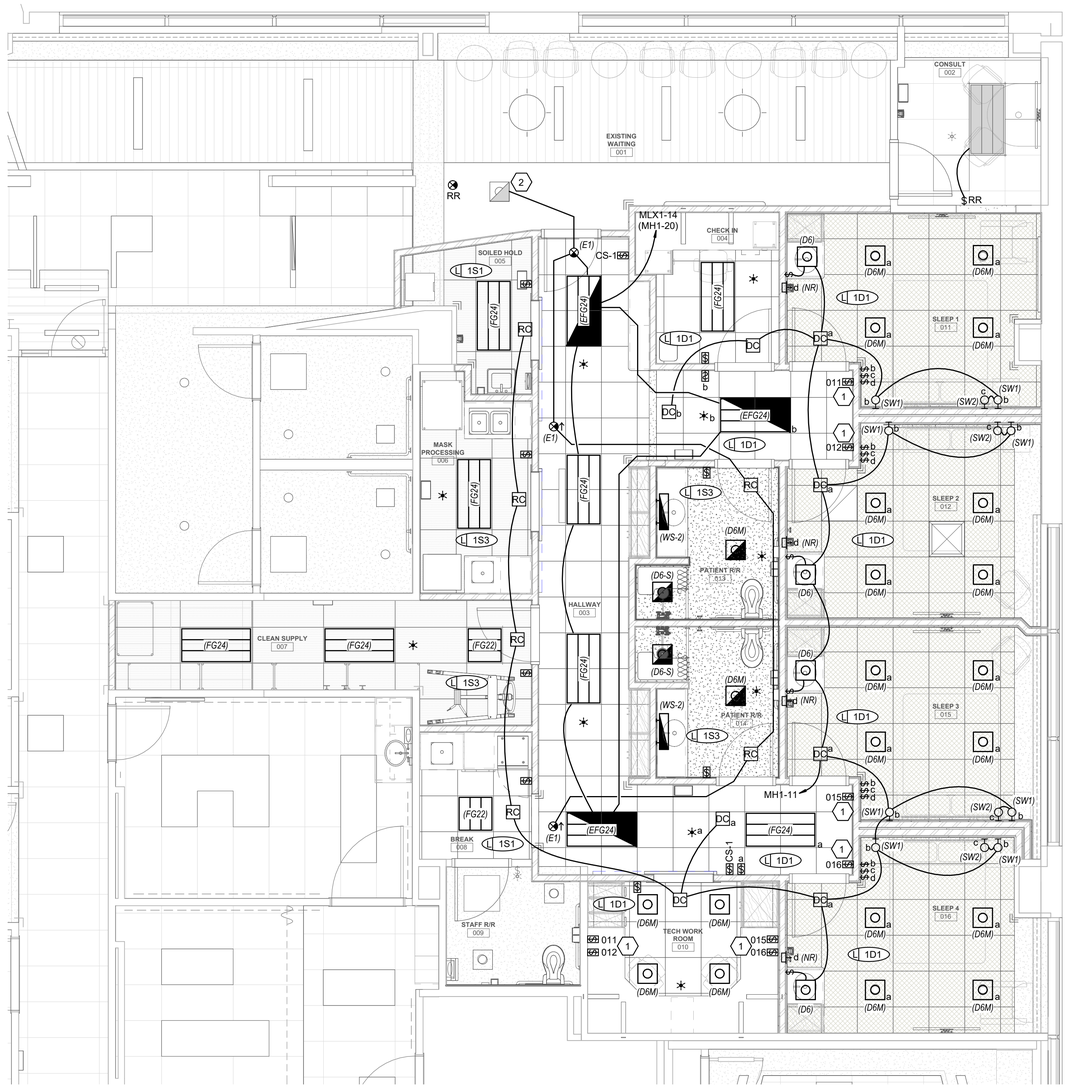
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

TELECOM CONDUIT & CABLE RISER DIAGRAM
SHEET NAME

EP650
SHEET NUMBER

4/30/2026 2:10:30 PM
Architects Docs://IH Layton Sleep Lab/25074-Elec Central.rvt



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

GENERAL SHEET NOTES

SHEET KEYNOTES

1 SWITCHES TO CONTROL THE DIMMABLE LIGHTING FOR EACH PATIENT ROOM AS INDICATED BY THE NUMBER SHOWN ADJACENT TO EACH SWITCH (OE. "107"). IN TECH WORK ROOM, COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/OWNER.

2 CONNECT TO EXISTING EMERGENCY EGRESS LIGHTING CIRCUIT.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LEVEL 1 LIGHTING PLAN
SHEET NAME

EL101
SHEET NUMBER

4/30/2026 2:10:34 PM
Autodesk Docs://HI Layton Sleep Lab/25074-Elec Central.rvt

INTERIOR LIGHTING FIXTURE SCHEDULE





GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

			LUMINAIRE				DRIVER			
ID	DESCRIPTION	SIZE (NOMINAL)	DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
(D6)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: - EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	1,500		3500K	90	0-10V DIMMING (1%)	120/277	19	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CCZ10U)
(D6-S)	DESCRIPTION: 6" ROUND, RECESSED LED SHOWER DOWNLIGHT, LENSED MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: - EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	1,500		3500K	90	0-10V DIMMING (1%)	120/277	19	GOTHAM (EVO-35/15-6DFR) LITON (LHALD) HALO (HC615) INTENSE (SS6G3DR)
(D6M)	DESCRIPTION: 6" ROUND, RECESSED LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR MOUNTING: CEILING, RECESSED FINISH: WHITE TRIM FINISH OPTICS: - OPTIONS: - EM: -	LENGTH: - WIDTH: - DEPTH: - DIAMETER: 0' - 6"	2,000		3500K	90	0-10V DIMMING (1%)	120/277	23	GOTHAM (EVO 35/15 AR LSS MWD MVOLT GZ1 TRW) HALO (HC615D010HM612835 61MDHWF) LIGHTOLIER (6RNP6RDL15835CCZ10U)
(E1)	DESCRIPTION: EXIT SIGN, EDGE LIT LED ACRYLIC, SINGLE FACE, GREEN LETTERING MOUNTING: UNIVERSAL MOUNTING FINISH: BRUSHED ALUMINUM FINISH OPTICS: - OPTIONS: AC ONLY EM: -	LENGTH: - WIDTH: - DEPTH: -			GREEN		NO DIMMING	120/277	3	<varies>
(EFG24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: GENERATOR TRANSFER DEVICE	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	4,300		3500K	90	0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNV DIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882440-35-S-F)
(FG22)	DESCRIPTION: 2' X 2' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: 2' - 0" DEPTH: -	3,400		3500K	90	0-10V DIMMING (1%)	120/277	40	DAYBRITE (2FPZ38L840WDSUNVDIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882440-35-S-F)
(FG24)	DESCRIPTION: 2' X 4' LED FLAT PANEL, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	4,300		3500K	90	0-10V DIMMING (1%)	120/277	50	DAYBRITE (2FPZ43L8354DSUNV DIM) LITHONIA (EPANL) TRULY GREEN SOLUTIONS (882440-35-S-F)
(NR)	DESCRIPTION: LED NIGHTLIGHT, RECESSED IN WALL, AMBER MOUNTING: RECESSED, WALL FINISH: WHITE GLOSS FINISH OPTICS: OPTIONS: TORX HEAD WITH CENTER PIN FASTENERS, HIGH IMPACT ACRYLIC LENS EM:	LENGTH: 0' - 2.5" WIDTH: 0' - 3" DEPTH: -	150		AMBER		NO DIMMING	120/277	5	KENNAL (MCSL-HR-MW-2L35K-DV) HEALTHCARE (HNL610-MV-LED-AMB-TR-FW) NEW STAR (HNL HH LA UN NF ND AM)
(SW1)	DESCRIPTION: PATIENT ROOM WALL SCONCE MOUNTING: SURFACE, WALL FINISH: BLACK OPTICS: - OPTIONS: - EM: -	LENGTH: 1' - 0" WIDTH: 0' - 6" DEPTH: 12"	1,000		2700K	90	0-10V DIMMING (1%)	120/277	10	ADVANT (AD-OW-2715-S-A-27-R90-BK) AFX (SNS0418LAJDBK)
(SW2)	DESCRIPTION: SLEEP ROOM WALL MOUNTED READING LIGHT MOUNTING: SURFACE, WALL FINISH: BLACK OPTICS: - OPTIONS: - EM: -	LENGTH: 0' - 4" WIDTH: 0' - 4" DEPTH: 0' - 7"	300		2700K	90	0-10V DIMMING (1%)	120/277	6	WAC LIGHTING (BL-21205) SOLAVANTI LIGHTING (RLS B64.XX 30 N 277) MARSET (A622-225-39-27K)
(WS-2)	DESCRIPTION: 2' LED VANITY LIGHT, 2.25" WIDE MOUNTING: SURFACE, WALL FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: 0' - 2.25" DEPTH: -	2,000		3500K	90	NO DIMMING	120/277	19	EDGE LIGHT (TW12-S11-1RE-36"-35K-CH) EUREKA (3541-35-LED-17.40-120/277-SC-WH) WAC (WS-77363) BIRCHWOOD (NOL-LED-225)

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

INTERIOR LIGHTING FIXTURE SCHEDULE
SHEET NAME

EL601
SHEET NUMBER

4/30/2026 2:10:35 PM
Autodesk Docs://IM Layton Sleep Lab/25028_Elec Central.rvt

LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND

- LINE VOLTAGE WIRING
- 0-10V WIRING
- CAT5E CABLING
- WIRING BY OTHERS
- TMP SEGMENT NETWORK CABLING

APPROVED MANUFACTURERS

1. WATTSTOPPER (BASIS OF DESIGN)
2. NLIGHT
3. HUBBELL BUILDING AUTOMATION
4. GREENGATE

LIGHTING CONTROL ID

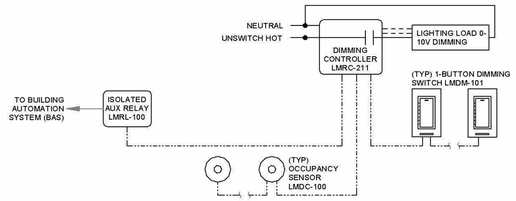
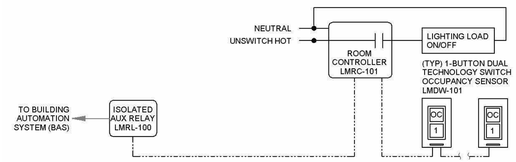
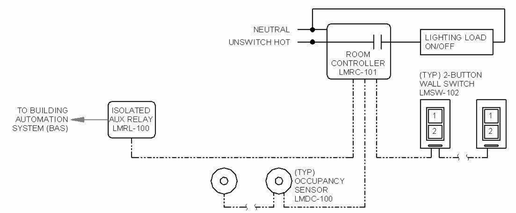
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

GENERAL NOTES

1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER.
4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.

GENERAL NOTES

5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES.
6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS.
7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM.
8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
1D1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP-"ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	
1S1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNTION: PRESS-ON PRESS-OFF LABEL ID:"ON/OFF"	-	-	-	-	-	-	-	-	
1S3		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	ON/OFF	-	15	RELAY CLOSED ON OCCUPANCY	-	-	FUNCTION: PRESS-ON LABEL ID: "ON"	FUNCTION: PRESS-OFF LABEL ID: "OFF"	-	-	-	-	-	-	-	

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LIGHTING CONTROL SCHEDULES

SHEET NAME

EL602

SHEET NUMBER

4/30/2026 2:10:37 PM
Autodesk Docs://IH Layton Sleep Lab/25071-Elec Central.rvt

LIGHTING RELAY CONTROL CHANNELS

GENERAL NOTES:
1. PROGRAMMING OF SYSTEM SHALL COMPLY WITH CURRENT IECC REQUIREMENTS.
2. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER.
3. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION.
4. ALL SPARE RELAYS AND CHANNELS SHALL BE INCLUDED WITH ORIGINAL SYSTEM INSTALLATION.
5. UPON LOSS OF NORMAL POWER, ALL EMERGENCY LIGHTING RELAYS SHALL TURN ON TO 100% UNTIL NORMAL POWER IS RESTORED, THEN GO BACK TO STANDARD MODE.
**CHANNEL SHALL BE PROGRAMMED WITH 10 MINUTE WARNING PRIOR TO TURNING LIGHTS OFF BY BLINKING THE LIGHTS OFF/ON/OFF/ON.

CONTROL CHANNEL	CHANNEL DESCRIPTION	CHANNEL PROGRAMMING REQUIREMENTS
A	HALLWAY 003	TIME ON/OFF (COORDINATE SCHEDULE WITH OWNER)

LOW VOLTAGE OVERRIDE SWITCH SCHEDULE

1. COORDINATE INITIAL PROGRAMMING REQUIREMENTS AND SETTINGS WITH OWNER AND MODIFY PROGRAMMING, CONTROL TIMES, AND OPERATION AS DIRECTED BY OWNER.
2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS AS DIRECTED BY OWNER WITHIN THE FIRST 3 TO 6 MONTHS AFTER SUBSTATIAL COMPLETION AND BUILDING OCCUPANCY.
3. PROVIDE CUSTOMIZED PERMANENT BUTTON LABELING ON EACH OVERRIDE SWITCH. LABEL FOR EACH BUTTON SHALL CLEARLY INDICATE FUNCTION OF BUTTON OR ZONE SERVED.
4. PART NUMBERS SHOWN ARE BASED ON THE BASIS OF DESIGN MANUFACTURER NOTED.
5. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE FUNCTIONING LIGHITNG CONTROL SYSTEM MEETING ALL PROJECT REQUIREMENTS, DESIGN INTENT AND FEATURES/FUNCTIONS OF THE BASIS OF DESIGN PRODUCTS.
6. LIGHTING CONTROL PANEL SHALL EITHER BE FACTORY OR UL508 SHOP ASSEMBLED INCLUDING ALL REQUIRED COMPONENTS SUCH AS, BUT NOT LIMITED TO ENCLOSURE, POWER SUPPLIES, RELAYS, DIMMING MODULES, TERMINAL BLOCKS, SIGNAL INTERFACE, PROCESSOR, TIMECLOCK, WIRE MANAGEMENT, ETC. CONTRACTOR OR FIELD BUILT LIGHTING CONTROL PANELS WILL NOT BE PERMITTED.
7. THE LIGHTING CONTROL PANEL AND SEGMENT MANAGER MUST BE NETWORKED TOGETHER AND SHALL PROVIDE ALL FEATURES AND FUNCTIONS AVAILABLE TO THE LIGHTING CONTROL SYSTEM THROUGH THE NETWORK.

BUTTON	ZONE CONTROLLED	CONTROL DESCRIPTION	BUTTON ENGRAVING
CS-1			
1	HALLWAY 003	OVERRIDE ON 2 HOURS	YES - "ON"
2	HALLWAY 003	OVERRIDE OFF 2 HOURS	YES - "OFF"

LIGHTING RELAY PANEL "MLX1"

LOCATION: Space 1104 **MOUNTING: SURFACE** **ENCLOSURE: NEMA 1**

RELAY	DIMMING	PANEL CIRCUIT	DESCRIPTION	CONTROL CHANNEL	A		B		C		CONTROL CHANNEL	DESCRIPTION	PANEL CIRCUIT	DIMMING	RELAY
1	--	--	EXISTING	--	--	--					--	EXISTING	--	--	2
3	--	--	EXISTING	--			--	--			--	EXISTING	--	--	4
5	--	--	EXISTING	--					--	--	--	EXISTING	--	--	6
7	--	--	EXISTING	--	--	--					--	EXISTING	--	--	8
9	--	--	EXISTING	--			--	--			--	EXISTING	--	--	10
11	--	--	EXISTING	--					--	--	--	EXISTING	--	--	12
13	--	--	EXISTING	--	--	208					A	LIGHTING HALLWAY 003	MH1-20	NO	14
15	--	--	EXISTING	--			--	--			--	EXISTING	--	--	16
17	--	--	EXISTING	--					--	--	--	EXISTING	--	--	18
19	--	--	EXISTING	--	--	--					--	EXISTING	--	--	20
21	--	--	EXISTING	--			--	--			--	EXISTING	--	--	22
23	--	--	EXISTING	--					--	--	--	EXISTING	--	--	24

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

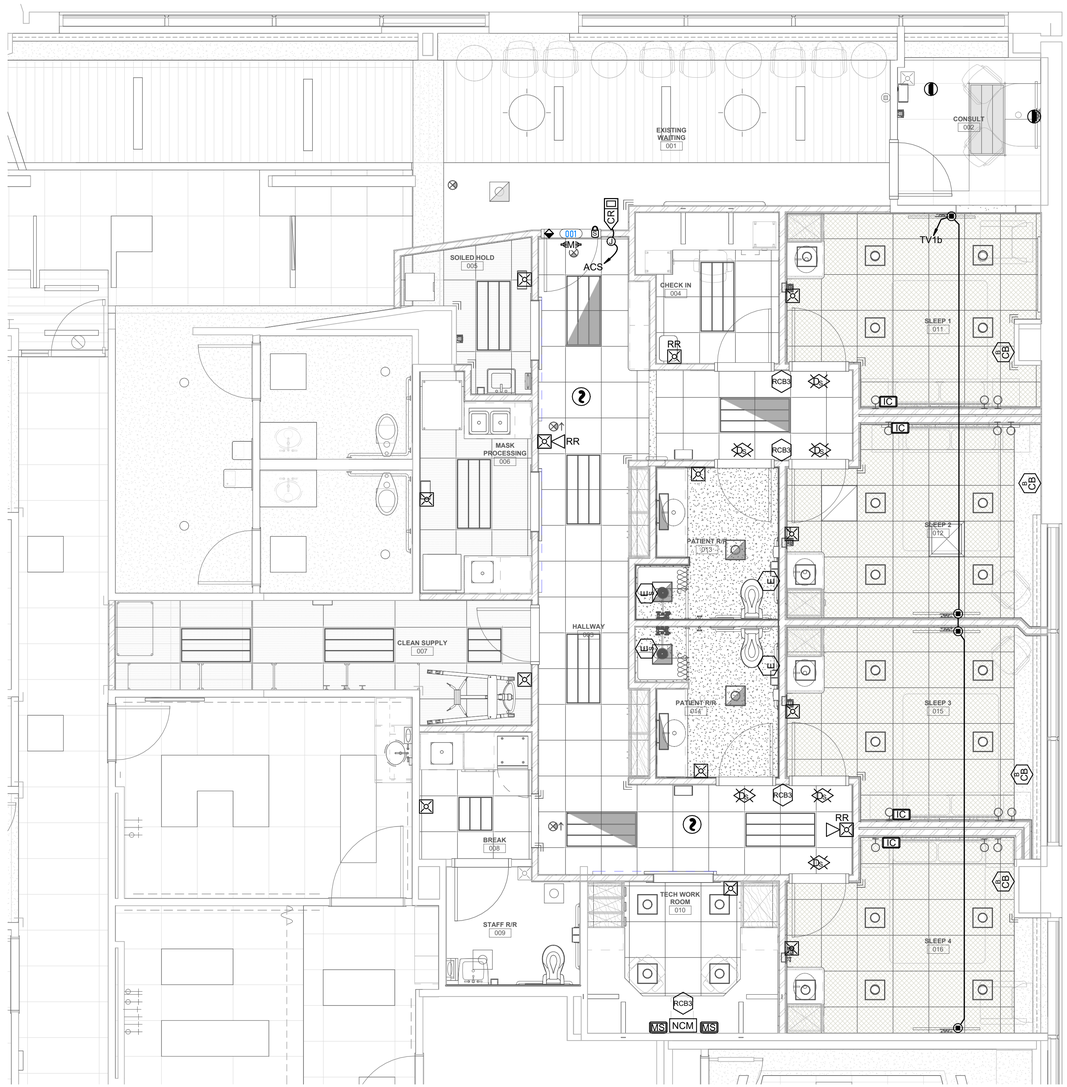
ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LIGHTING RELAY & PANEL SCHEDULES
SHEET NAME

EL603
SHEET NUMBER

4/30/2026 2:10:38 PM
Autodesk Docs://IM Layton Sleep Lab/25028_Elec Central.rvt



1 LEVEL 1 AUXILIARY PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS. REFER TO TELECOM RACEWAY PLANS FOR ADDITIONAL INFORMATION.

2 SECURITY JUNCTION BOX LOCATIONS ARE FOR REFERENCE PURPOSES ONLY. LOCATION OF JUNCTION BOX TO BE INSTALLED IN AN ACCESSIBLE CEILING SPACE ALLOWING FOR SERVICEABILITY.

3 ACCESS CONTROL CABLING TO BE PLENUM RATED.

4 SECURITY CONTRACTOR TO COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR ELECTRIC LOCK TYPE, INTERFACE, AND VOLTAGE REQUIREMENTS. CONTRACTOR SHALL REVIEW ALL DOOR HARDWARE ROUGH-IN INFORMATION AGAINST THE DOOR HARDWARE SPECIFICATION AND DOOR HARDWARE SCHEDULE TO VERIFY DOOR ROUGH-IN PRIOR TO CONSTRUCTION.

5 SECURITY CABLING SHALL BE RATED FOR THE AREA AND ENVIRONMENT IT IS INSTALLED. REFER TO SPECIFICATIONS FOR CABLING REQUIREMENTS.

6 PATHWAYS FOR ACCESS CONTROL MAY SHARE JUNCTION BOXES AND CONDUIT. CONDUIT MUST BE SIZED APPROPRIATELY BASED ON CABLE FILL.

7 SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR DEVICE LOCATIONS. IF NOT SHOWN ON ARCHITECTURAL DRAWINGS LOCATE PER TYPICAL DEVICE MOUNTING DETAILS ON SHEET EE701. ALL CEILING MOUNTED DEVICES SHALL ALIGN WITH OTHER DEVICES ON CEILING.

8 COORDINATE MOUNTING LOCATION OF UNDER DESK PANIC BUTTON WITH FURNITURE DRAWINGS, ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALLATION.

9 CAMERAS SHOWN IN MAGENTA ARE DUPLICATES OF FLOORPLAN CAMERAS AND ARE TO BE USED FOR SITE COVERAGE PURPOSES ONLY.

10 CONTRACTOR TO CONDUCT ANY FIRE ALARM TESTING AS REQUIRED BY NFPA 72 (14.4.1.2).

11 FIRE ALARM DEVICE CIRCUITS TO BE RUN IN FACTORY-FINISHED RED RMC CONDUIT.

SHEET KEYNOTES

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

LEVEL 1 AUXILIARY PLAN
SHEET NAME

EY101
SHEET NUMBER

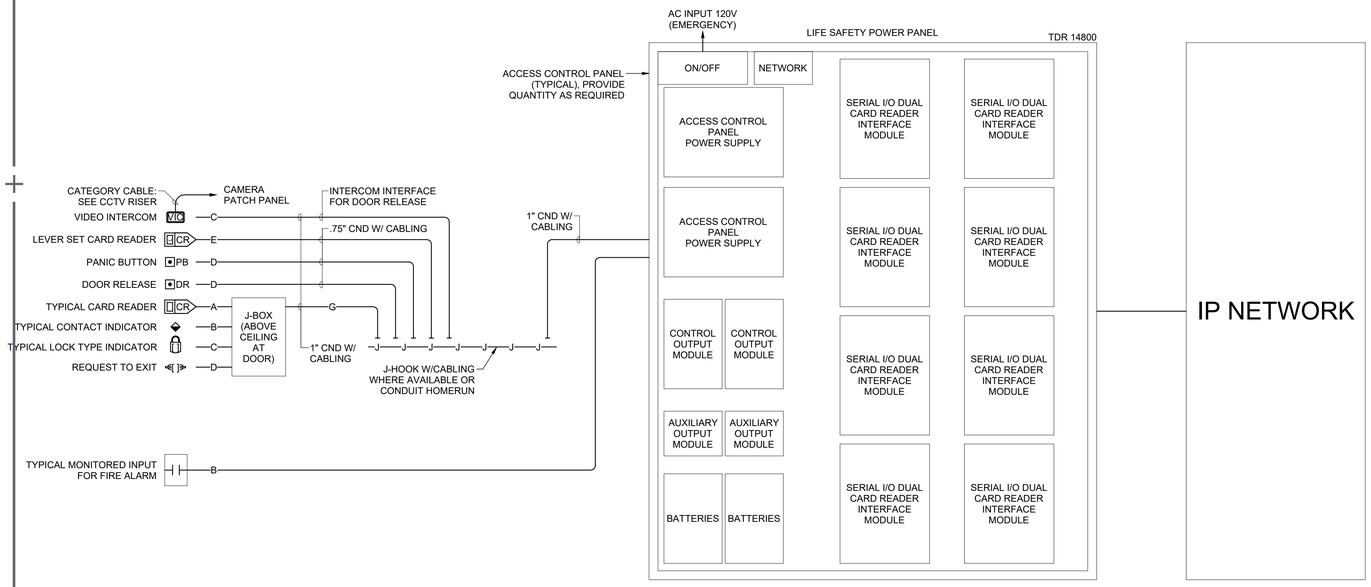
4/30/2026 2:10:42 PM
Autodesk Docs://IH Layton Sleep Lab/25028_Elec Central.rvt

GENERAL DIVISION OF WORK

CARD READERS -	BY DIVISION 26/28
CONTACT INDICATORS @ DOOR -	BY DIVISION 28
CONTACT INDICATORS @ GARAGE DOOR -	BY DIVISION 28
ACCESS CONTROL SYSTEM -	BY DIVISION 26/28
DOOR POWER SUPPLIES @ DOOR -	BY DIVISION 8
DOOR POWER SUPPLIES @ CONTROL PANEL -	BY DIVISION 26/28
RACEWAYS -	BY DIVISION 26/28
CABLING -	BY DIVISION 26/28
ELECTRIFIED DOOR HARDWARE -	BY DIVISION 8
ADA OPERATORS -	BY DIVISION 8
REX (MOTION SENSORS) -	BY DIVISION 28
REX (IN DOOR HARDWARE) -	BY DIVISION 8

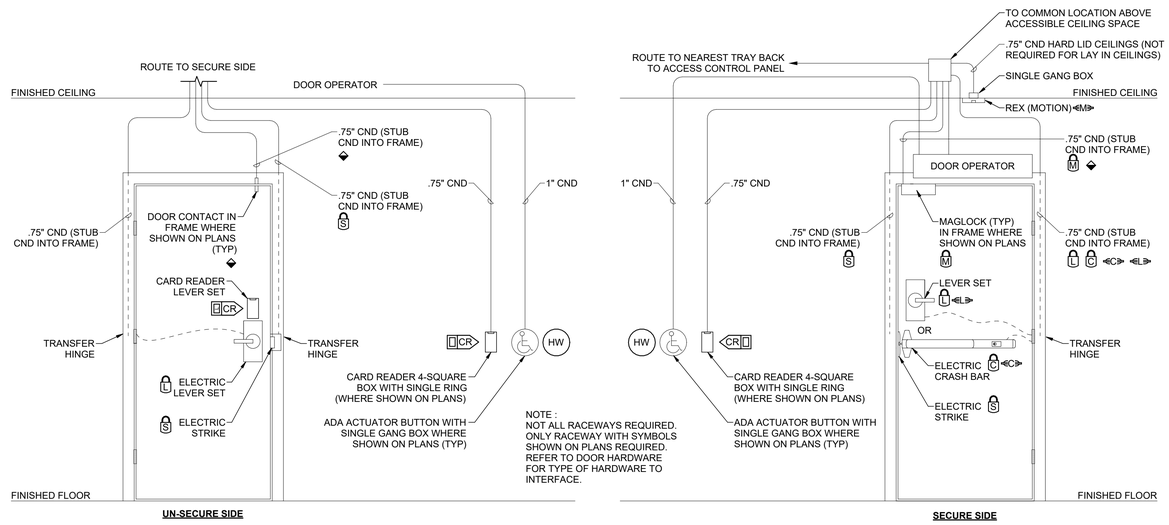
ACCESS CONTROL SYSTEM CONDUIT AND CABLING SCHEDULE

—A—	0.75" CND W/ (1) #22/6 TWSP (OSDP)	
—B—	0.75" CND W/ (1) #22/2 TWP	
—C—	0.75" CND W/ (1) #18/4 TWP	—G— COMPOSITE CABLE (MULTI)
—D—	0.75" CND W/ (1) #22/4 TWP	
—E—	0.75" CND W/ (1) #18/4 TWP OVERALL SHIELD (OSDP)	



2 ACCESS CONTROL RISER DIAGRAM

SCALE: NTS



1 SINGLE DOOR ROUGH IN DETAIL TYPICAL

SCALE: NTS

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 11783731-2202
JASON R. WORTHEN
STATE OF UTAH
04/30/2026

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	JRW

#	DATE	DESCRIPTION

AUXILIARY DETAIL & RISER DIAGRAMS

SHEET NAME

EY650

SHEET NUMBER

4/30/2026 2:10:44 PM
Autodesk Docs://IH Layton Sleep Lab/25028A-Elec Central.rvt

GENERAL PLAN SYMBOLS

PLAN REVISION NUMBER

DETAIL NUMBER ON SHEET

SHEET NUMBER WHERE DETAIL IS PLACED

KEYNOTE SYMBOL

CONTINUATION SYMBOL

POINT WHERE NEW CONNECTS TO EXISTING

POINT WHERE EXISTING IS TO BE DEMOLISHED

Room 1 — ROOM NAME / NUMBER

AREA BEING DEMOLISHED

AREA NOT IN CONTRACT

FIRE PROTECTION SYMBOLS

2" — NOMINAL PIPE SIZE

ABOVE GROUND PIPING

BELOW GROUND PIPING

PIPE SLOPE (WHEN APPLICABLE)

(E) — EXISTING PIPE TO REMAIN

PIPE TO BE DEMOLISHED

FPW

FPD

FPPA

F/W

FP-O

UPRIGHT SPRINKLER

PENDENT SPRINKLER

RECESSED SPRINKLER

CONCEALED HEAD

D — UPRIGHT SPRINKLER

SIDEWALL SPRINKLER

EXTENDED COVERAGE SPRINKLER

STANDPIPE VALVE

48"x18" SA — OBSTRUCTION FROM DUCTWORK 48" AND GREATER

CHECK VALVE

ALARM CHECK VALVE

TAMPER DETECTION VALVE

DRY PIPE VALVE

INDICATING BUTTERFLY VALVE

POST INDICATOR VALVE

VALVE NONRISING STEM

OS&Y VALVE

PREACTION VALVE

DELUGE VALVE

THRUST BLOCK

PIPE ANCHOR

FREESTANDING SIAMESE FIRE DEPARTMENT CONNECTION

SIAMESE FIRE DEPARTMENT CONNECTION

SINGLE FIRE DEPARTMENT CONNECTION

RISER ASSEMBLY

DOUBLE CHECK (OS&Y)

DOUBLE CHECK (BUTTERFLY WITH TAMPER)

REDUCED PRESSURE ZONE

X — EQUIPMENT IDENTITY

ABBREVIATIONS

Ø	ROUND
ABV	ABOVE
AD	AREA DRAIN
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLW	BELOW
CAP	CAPACITY
CB	CATCH BASIN
CLG	CEILING
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DIA	DIAMETER
DN	DOWN
EA	EACH
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
E/A	EXHAUST AIR
F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOOR
FO	FUEL OIL
FOV	FUEL OIL VENT
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FT	FOOT/FEET
GAL	GALLON
GF	GAS-FIRED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HB	HOSE BIB
HP	HORSE POWER
HTR	HEATER
HYD	HYDRANT
ID	INDIRECT
IN	INCH
INV	INVERT
LB	POUND
LVR	LOUVER
MAX	MAXIMUM
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTR	MOTOR
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PWR	POWER
REC	RECESSED
RED	REDUCER
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SF	SQUARE FOOT
SAN	SANITARY
SF	SQUARE FOOT
SD	SMOKE DAMPER
SM	SURFACE MOUNT
SP	STANDPIPE
SP	STATIC PRESSURE
T	THERMOSTAT
TD	TEMPERATURE DROP
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
V	VENT
VENT	VENTILATION
W	WASTE
WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACCU	AIR COOLING CONDENSING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CH	CHILLER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CHWP	CHILLED WATER PUMP
DBP	DOMESTIC WATER BOOSTER PUMP
DC	DUCT MOUNTED COIL
DCP	DOMESTIC WATER CIRCULATING PUMP
EF	EXHAUST FAN
EDC	ELECTRIC DUCT COIL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCU	FAN COIL UNIT
FP	FIRE PUMP
GI	GREASE INTERCEPTOR
GRV	GRAVITY ROOF VENTILATOR
HWP	HEATING WATER PUMP
HRU	HEAT RECOVERY UNIT
PRV	POWER ROOF VENTILATOR
RE	RETURN/EXHAUST FAN
RTU	ROOFTOP UNIT
SP	SUMP PUMP
UH	UNIT HEATER
WH	WATER HEATER

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

FIRE PROTECTION GENERAL NOTES

2 THE DESIGN OF FIRE SPRINKLER SYSTEM, INCLUDING ALL OF ITS PIPE LAYOUT, SPRINKLER LAYOUT, FITTINGS, CONNECTIONS, VALVES, HANGING & BRACING, ANCHORS, ATTACHMENTS, AND ALARM INTERCONNECTION POINTS ARE HEREBY DELEGATED TO THE CONTRACTOR.

3 THE DESIGN OF THIS FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMISSION TO THE AHJ.

4 NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTOR'S EXPENSE.

5 ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.

6 COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.

7 FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

8 PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. PROVIDE A COMPLETE WET TYPE SYSTEM INCLUDING NEW MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.

9 THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.

10 THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.

11 PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.

12 THE SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.

13 REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.

14 DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.

15 ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.

16 THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

17 AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUIATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.

18 AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.

19 AN INSPECTOR'S TEST CONNECTION SHALL BE FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. (EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.)

20 SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.

21 ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.

22 THIS DRAWING INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THIS CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.

23 THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.

AUTOMATIC SPRINKLER DESIGN CRITERIA

SYMBOL	OCCUPANCY HAZARD CLASSIFICATION	DESIGN DENSITY (GPM/SF)	DESIGN AREA
R	RESIDENTIAL (DWELLING) OCCUPANCY	0.05	400 SF
LH	LIGHT HAZARD OCCUPANCY	0.10	1500 SF
OH1	ORDINARY HAZARD, GROUP 1 OCCUPANCY	0.15	1500 SF
OH2	ORDINARY HAZARD, GROUP 2 OCCUPANCY	0.20	1500 SF
EH1	EXTRA HAZARD, GROUP 1 OCCUPANCY	0.30	2500 SF
EH2	EXTRA HAZARD, GROUP 2 OCCUPANCY	0.40	2500 SF
S	SPECIAL HAZARD OCCUPANCY		

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT

181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION
		Title Sheet Revision

FIRE PROTECTION TITLE SHEET

SHEET NAME

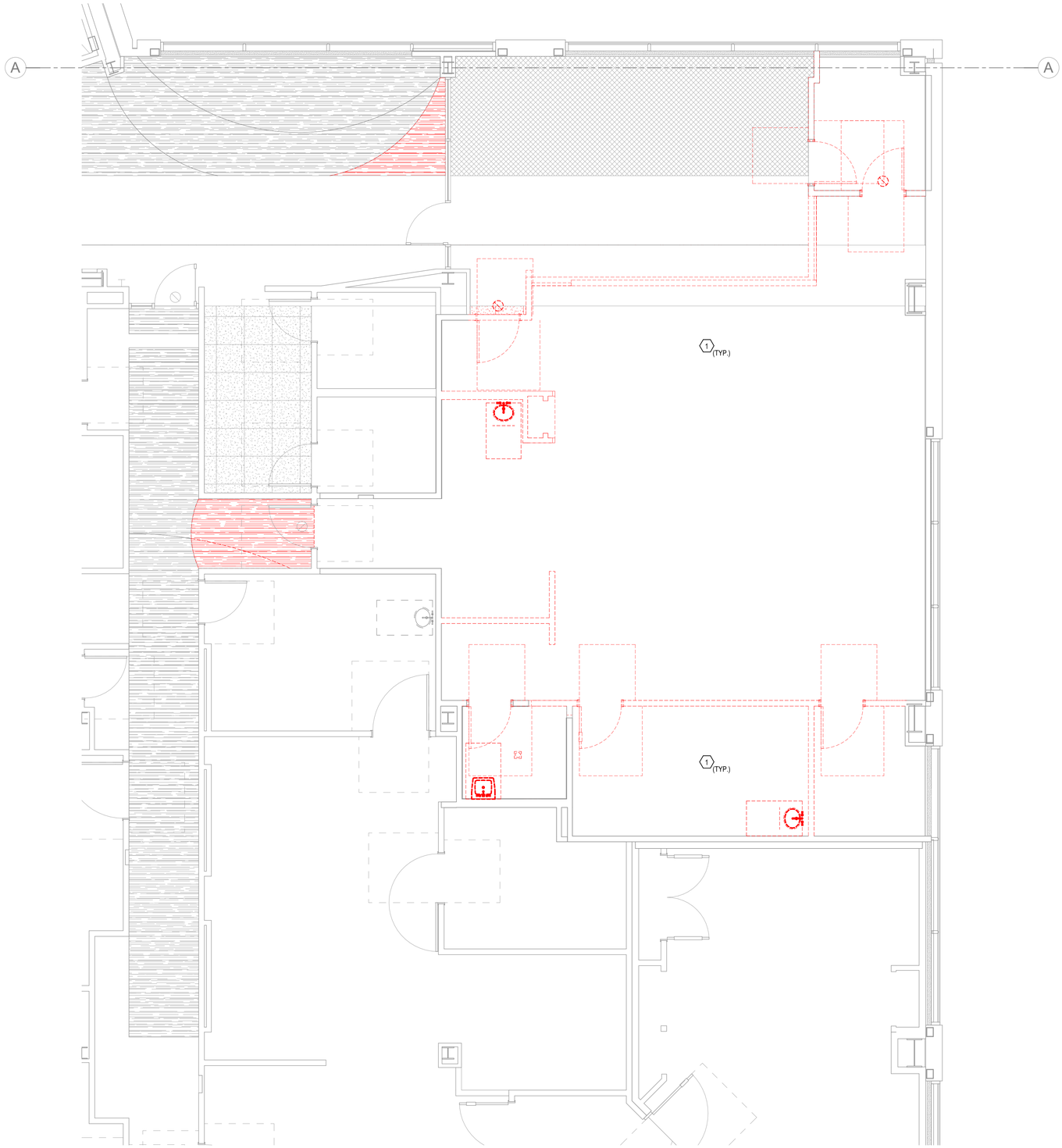
FX001

SHEET NUMBER

4/28/2026 4:07:50 PM

KEYNOTES

1. THE FIRE SPRINKLER SYSTEM, WITH ALL OF ITS PIPE, FITTINGS, SPRINKLERS, HANGERS, AND SUPPORTS, SHALL BE DEMOLISHED AND REMOVED IN ITS ENTIRETY TO FACILITATE A NEW MECHANICAL SYSTEM LAYOUT WITHIN A NEW CEILING SPACE.



1 LEVEL 1 FIRE PROTECTION DEMO PLAN
1 / FD101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:07:51 PM

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

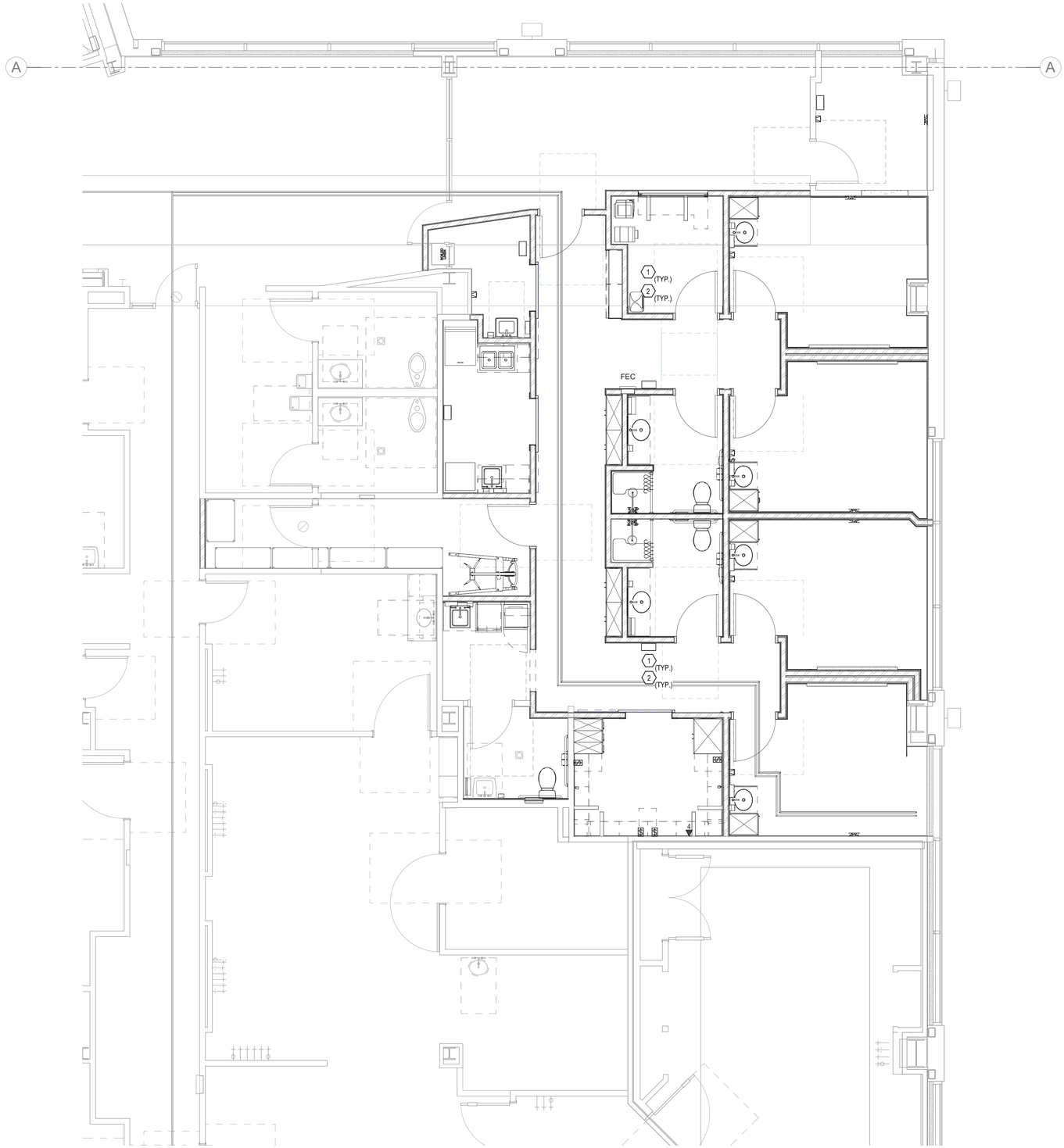
#	DATE	DESCRIPTION

LEVEL 1 FIRE PROTECTION DEMO PLAN
SHEET NAME

FD101
SHEET NUMBER

KEYNOTES

1	PROVIDE ENTIRELY NEW FIRE SPRINKLER SYSTEM, INCLUDING NEW MAIN AND BRANCHLINE PIPING THROUGHOUT. COORDINATE EXACT ROUTING AND PLACEMENT OF COMPONENTS WITH NEW MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS LAYOUT. ADHERE TO FM AND NFPA STANDARDS. HAZARD CLASSIFICATIONS ARE TYPICALLY FM HAZARD CLASS 1, AND NFPA LIGHT HAZARD.
2	RECONNECT TO EXISTING FIRE SPRINKLER SYSTEMS WITHIN CORE AREAS.



1 LEVEL 1 FIRE PROTECTION PLAN
1 / F101 | SCALE: 1/4" = 1'-0"

0 2' 4' 8'
0 2"
1/4" = 1'-0"

4/28/2026 4:01:53 PM

VERO ARCHITECTURE

1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
VERO-ARCH.COM

RESOLUT
181 E 5600 S, Murray, UT 84107 | (801) 530-3148
info@resolutgroup.com | resolutgroup.com

Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

LICENSED PROFESSIONAL ENGINEER
No. 178893
DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

ISSUE DATE:	2026.04.30
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

LEVEL 1 FIRE PROTECTION PLAN
SHEET NAME

F101
SHEET NUMBER