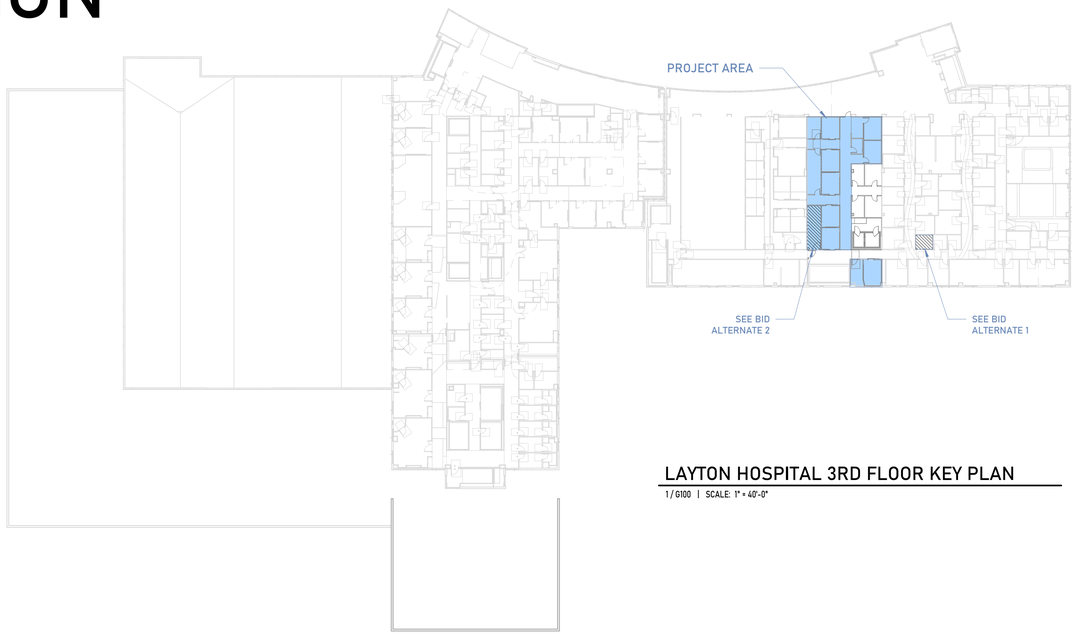
INTERMOUNTAIN HEALTH LAYTON HOSPITAL
PCH EXAM EXPANSION

201 WEST LAYTON PARKWAY
LAYTON, UT 84041



LAYTON HOSPITAL 3RD FLOOR KEY PLAN

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

ABBREVIATION LEGEND

A.B.C.	AGREGATE BASE COURSE
A.F.F.	ABOVE FINISH FLOOR
BD.	BOARD
C.J.	CONSTRUCTION JOINT
CONT.	CONTINUOUS
C.P.	CENTER POINT
D.B.	DECK BEARING
DIA.	DIAMETER
E.J.	EXPANSION JOINT
E.Q.	EQUAL
F.E.	FIRE EXTINGUISHER
F.F.E.	FINISH FLOOR ELEVATION
F.O.S.	FACE OF STUD
F.R.T.W.	FIRE RETARDANT TREATED WOOD
GA.	GAUGE
GYP. BD.	GYPSUM BOARD
H.M.	HOLLOW METAL
MTL.	METAL
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
OPP.	OPPOSITE
R.C.P.	REFLECTED CEILING PLAN
R.T.U.	ROOF TOP UNIT
SIM.	SIMILAR
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE

PROJECT DESCRIPTION

THIS PROJECT IS BUILDING OUT 3 DISTINCT SHELLED SPACES ON THE 3RD FLOOR OF THE LAYTON HOSPITAL MEDICAL OFFICE BUILDING. EACH SHELLED SPACE TIES INTO AN EXISTING FINISHED HALLWAY. THE BUILD OUT WILL GIVE PRIMARY CHILDREN'S HOSPITAL 8 NEW EXAM ROOMS, ONE EDUCATION ROOM, WORK SPACE AND A RESTROOM. THE EXAM ROOMS HAVE TWO DIFFERENT LAYOUTS, ONE FOR REHAB AND ONE FOR ENT.

STRUCTURAL REVISIONS INCLUDE NEW SECONDARY STRUCTURE TO SUPPORT A THERAPY SWING WITHIN EACH THERAPY ROOM.

MECHANICAL AND ELECTRICAL REVISIONS TO FINISH OUT THE ROOMS BY TYING INTO EXISTING SYSTEMS.

THE ROOMS ARE TO BE SITE OF SERVICE 22 LICENSED AND AS SUCH DHHS WILL HAVE TO GIVE FINAL CLEARANCE / SIGN OFF AND INSPECTIONS.

SYMBOLS LEGEND

- CALLOUT TAG
- CENTERLINE SYMBOL
- INTERIOR ELEVATION CALLOUT TAG
- KEYNOTE TAG, REFER TO REFERENCED NOTES ON EACH SHEET
- EXTERIOR (BUILDING) ELEVATION CALLOUT TAG
- ROOM TAG: ROOM NAME, ROOM NUMBER, ROOM AREA
- GRID HEAD
- LEVEL CALLOUT TAG
- NORTH ARROW COMPASS, DIRECTION VARIES
- REVISION CLOUD TAG
- SECTION CALLOUT TAG
- SECTION DIRECTIONAL TAIL
- LEVEL HEAD
- VIEW REFERENCE TAG

1 ENLARGED FLOOR PLAN

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

(VIEW NUMBER) VIEW NAME REFERENCE, AND SCALE

DIMENSION TYPES

ALIGNED AND LINEAR | ARC LENGTH | DIAMETER | ANGULAR | RADIUS

ARCHITECTURAL TAGS

- DOOR TAG, SEE DOOR SCHEDULE
- FINISH TAG, SEE FINISH SCHEDULE
- WALL TAG, SEE WALL TYPES
- WINDOW TAG, SEE WINDOW TYPES
- CEILING TAG — CEILING TYPE, SEE FINISH SCHEDULE; HEIGHT ABOVE FINISHED FLOOR
- EQUIPMENT TAG, REFER TO SCHEDULE
- EXTERIOR MATERIAL TAG, SEE LEGEND
- PANEL TYPE TAG, SEE LEGEND

DEFERRED SUBMITTALS

1. NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM REVISIONS

BID ALTERNATES

1. ADDING BASE CABINETS TO EXISTING OFFICE, SEE FLOOR PLAN 1/A101
2. ADD SHEET VINYL FLOORING TO ROOM 'HOSPITAL STORAGE P316'; SEE FINISH PLAN AND LEGEND ON SHEET A131

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.

SHEET INDEX

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0 - GENERAL	
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G101	LIFE SAFETY & CODE ANALYSIS
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AD101	DEMOLITION PLANS
A101	FLOOR PLAN
A102	EQUIPMENT PLAN
A111	REFLECTED CEILING PLAN
A131	FINISH FLOOR PLAN
A401	ENLARGED VIEWS AND ELEVATIONS
A402	ENLARGED VIEWS AND ELEVATIONS
A501	ARCHITECTURAL DETAILS
A502	ARCHITECTURAL DETAILS
A601	DOOR SCHEDULE
4-STRUCTURAL	
S001	GENERAL STRUCT NOTES AND SPECIAL INSPECTIONS
S101	FLOOR FRAMING PLANS AND DETAILS
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M001	HVAC TITLE SHEET
MZ103	3RD FLOOR HVAC ZONE PLAN
MD103	3RD FLOOR MECHANICAL DEMO PLAN
M103	3RD FLOOR MECHANICAL FLOOR PLAN
MP103	3RD FLOOR MECHANICAL PIPING PLAN
M500	MECHANICAL DETAILS
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7-FIRE PROTECTION	
FX001	FIRE PROTECTION TITLE SHEET
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8-ELECTRICAL	
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EE002	SYMBOLS LEGEND
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EE004	AUXILIARY SCHEDULES AND NOTES
EE501	ELECTRICAL DETAILS
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ED101	LEVEL 3 ELECTRICAL DEMOLITION PLAN
EP100	LEVEL 3 OVERALL POWER PLAN
EP201	LEVEL 3 ELECTRICAL RACEWAY CEILING PLAN
EP550	TELECOM EQUIPMENT RACK ELEVATIONS
EP551	TELECOM DETAILS
EP605	EQUIPMENT SCHEDULE
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EP650	TELECOM CONDUIT & CABLE RISER DIAGRAM
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EL603	LIGHTING RELAY DIAGRAMS & SCHEDULES
EL604	LIGHTIGN CONTROL SCHEDULES
EY101	LEVEL 3 AUXILIARY PLAN
EY650	ACCESS CONTROL RISER DIAGRAM

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BID SET

PROJECT STATUS

BRENT J MURRAY 6432307 REGISTERED ARCHITECT STATE OF UTAH

2026.04.30

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION

TITLE SHEET

SHEET NAME

G100

SHEET NUMBER

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EGRESS PATH SCHEDULE

MARK	PATH LENGTH	COMMENTS
E-1	145'-11"	
E-2	149'-2"	

LIFE SAFETY LEGEND

ASSEMBLY FIRE RATINGS

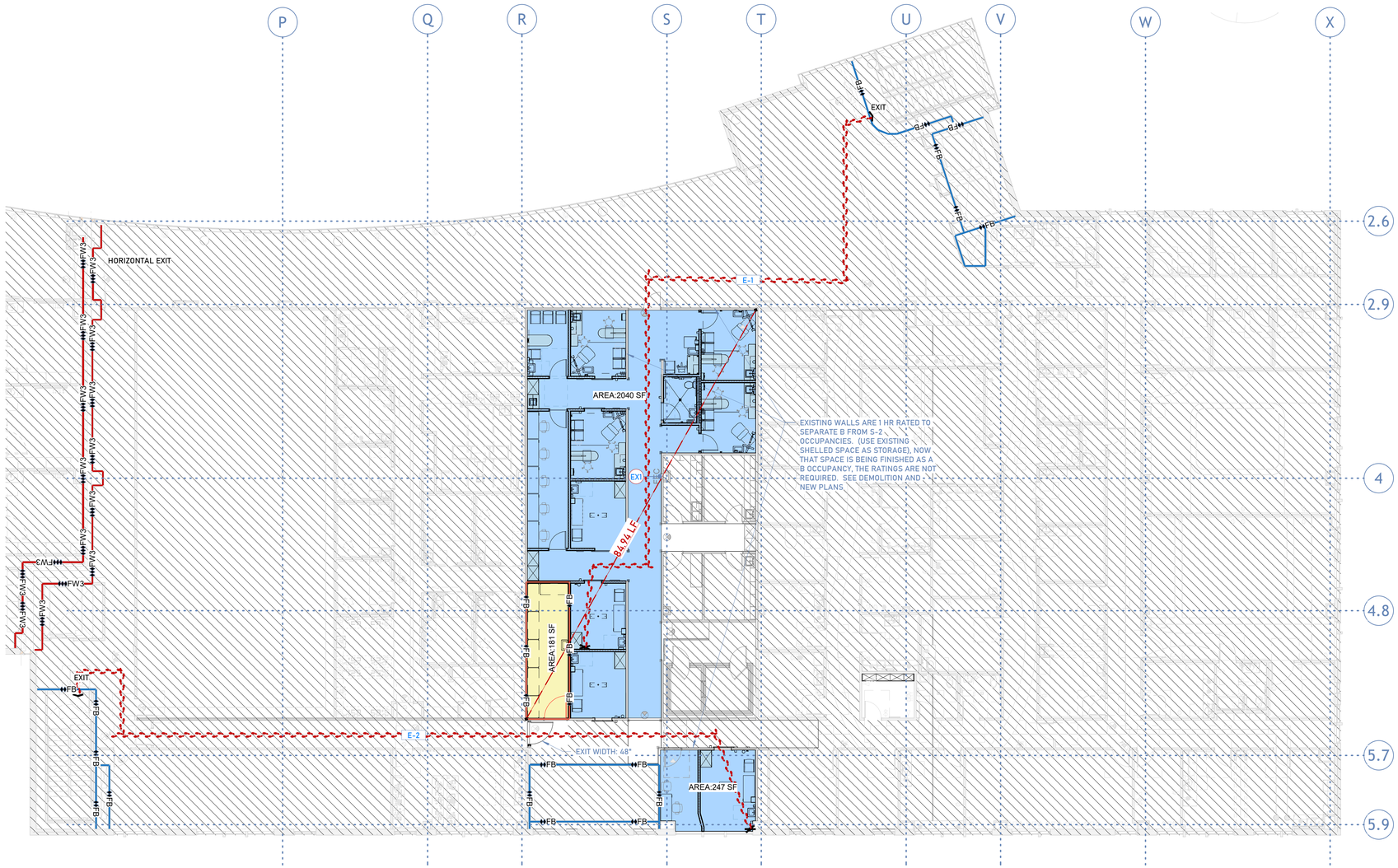
- FP — 1 HR FIRE PARTITION
- FW — 2 HR FIRE WALL
- FW3 — 3 HR FIRE WALL
- FB — 1 HR FIRE BARRIER
- FB — 2 HR FIRE BARRIER
- SP — SMOKE PARTITION
- SB — 1 HR SMOKE BARRIER

LIFE SAFETY TAGS

- AREA OUTSIDE SCOPE OF WORK
- Name / 150 SF — AREA TAG: AREA NAME / AREA (SF)
- 1i — EGRESS 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

- B OCCUPANCY
- S-2 OCCUPANCY



1 3RD FLOOR - 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 508.4 REQUIRED SEPARATION OF OCCUPANCIES
S-2 TO B W/ AUTOMATIC SPRINKLER SYSTEM - 1 HOUR

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

CHAPTER 9 FIRE PROTECTION AND LIFE SAFETY SYSTEMS
SECTION 903 AUTOMATIC SPRINKLER SYSTEM:
BUILDING IS EQUIPPED WITH NFPA 13 APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM. PROJECT INCLUDES UPDATING SPRINKLER SYSTEM INTO BUILD OUT AREA. PLANS MUST BE SUBMITTED TO STATE FIRE DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION

CHAPTER 10: MEANS OF EGRESS
TABLE 1004.5 OUTPATIENT AREAS -100 SF/OCCUPANT.
AFFECTED AREA 2,287 SF/(100 SF/OCC.) = 23 OCCUPANTS.
STORAGE AREAS = 300 SF / OCCUPANT
AFFECTED AREA 181 SF / 300 = 1 OCCUPANT.
TOTAL OCCUPANTS OF REVISED AREA = 24
STAIRWAYS / CORRIDORS TOOK SPACE INTO CONSIDERATION WHEN BUILDING SHELL
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.

CHAPTER 29 - PLUMBING SYSTEMS
1 NEW UNISEX RESTROOM INCLUDED AS PART OF BUILD OUT. EXISTING FLOOR HAS 8 SINGLE USER UNISEX RESTROOMS AVAILABLE.

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PROJECT STATUS

BRENT J MURRAY
6153302-0301
STATE OF UTAH
REGISTERED ARCHITECT

ARCHITECT STAMP

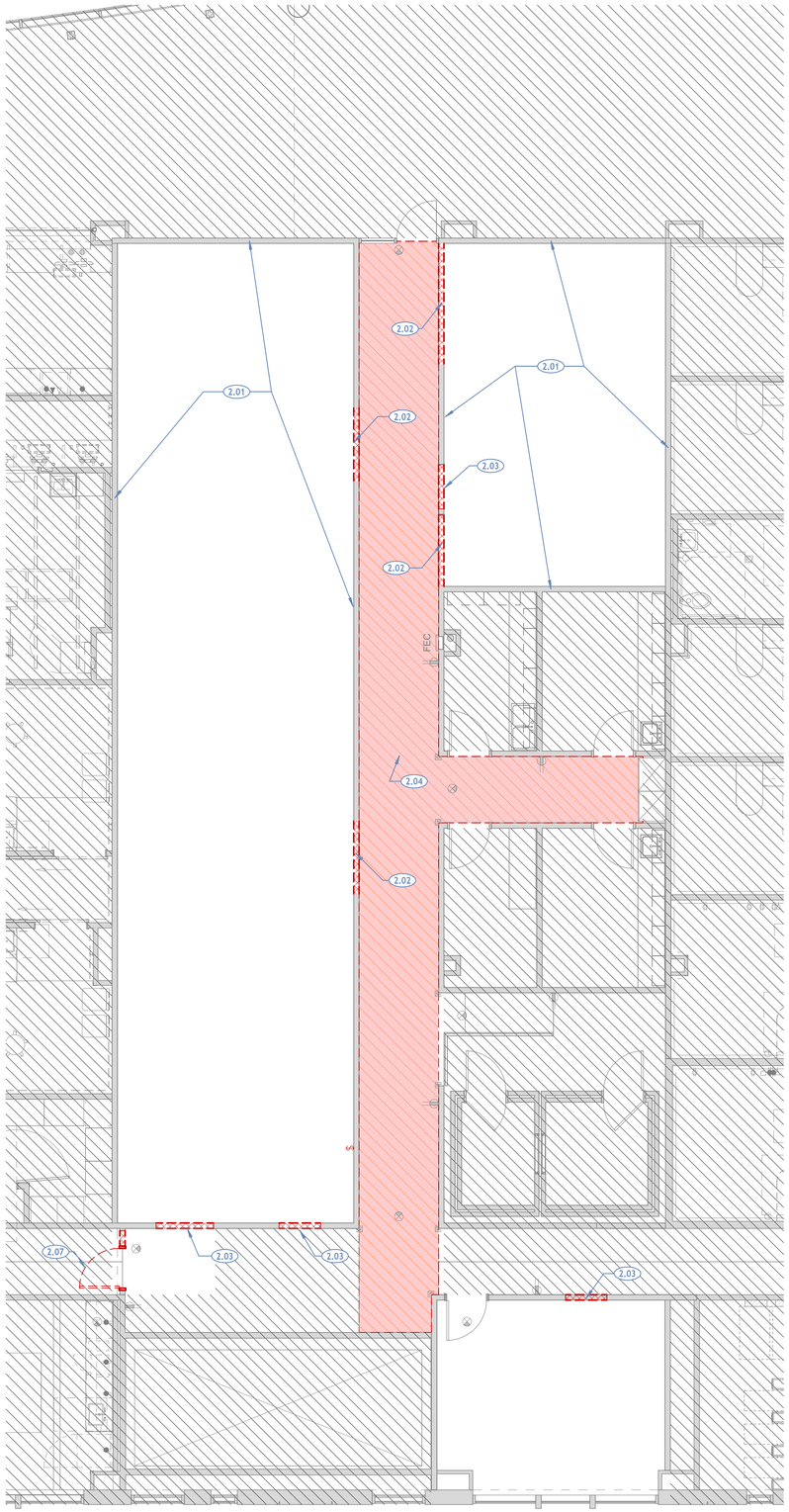
ISSUE DATE:	04/30/2026
PROJECT NO:	25010
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DRAWN BY:	XX
CHECKED BY:	XX

#	DATE	DESCRIPTION

LIFE SAFETY & CODE ANALYSIS
SHEET NAME

G101
SHEET NUMBER

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DEMOLITION GENERAL NOTES

1. ANY LOUD WORK MUST BE DONE AFTER HOURS OR WEEKENDS DUE TO ENT AND AUDIOLOGY BOOTHS OPERATING DURING NORMAL BUSINESS HOURS.
2. BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD
3. 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.
4. 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
5. ALL EXISTING FURNITURE AND APPLIANCES TO BE REMOVED BY OWNER, ALL NEW FURNITURE AND APPLIANCES PURCHASED BY OWNER
6. BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD
7. SAW CUT AND PATCH / REPAIR CONCRETE SLAB FOR PLUMBING OF NEW RESTROOMS. SEE DETAILS FOR CONCRETE REQUIREMENTS.

REFERENCED NOTES

2.01	CROSS OUT EXISTING LABEL OF RATED WALL AND STENCIL "NOT A RATED WALL" TO BE VISIBLE EVERY 30' O.C.
2.02	CUT OUT EXISTING WALLS TO EXTEND CORRIDOR, COORDINATE ON TIMING AND ICRA BARRIERS REQUIRED TO ALLOW PATIENTS TO ACCESS ENT EXAM ROOMS AND AUDIOLOGY BOOTH THROUGHOUT PROJECT
2.03	PREPARE EXISTING WALL FOR NEW DOOR OPENING
2.04	EXISTING HALLWAY, REMOVE FLOOR FINISH, SEE NEW FINISH PLAN. PATCH WALLS FOR ANY DAMAGE DONE
2.07	DEMO DOOR. REUSE HARDWARE FOR NEW DOOR. SEE DOOR SCHEDULE.

DEMOLITION PLAN LEGEND

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

1 3RD FLOOR DEMOLITION PLAN
1 / AD101 | SCALE: 3/16" = 1'-0"

0 2.7' 5.3' 10.7'
0 2"
3/16" = 1'-0"

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PROJECT STATUS

STATE OF UTAH
BRENT J MURRAY
6423830-6301
REGISTERED ARCHITECT

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	BM
CHECKED BY:	BM

#	DATE	DESCRIPTION

DEMOLITION PLANS
SHEET NAME

AD101
SHEET NUMBER

4/30/2026 3:16:09 PM



1 3RD FLOOR - NEW
1 / A101 | SCALE: 3/16" = 1'-0"

0 2.7' 5.3' 10.7'
0 2"
3/16" = 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. EXISTING FIRE BARRIERS SHALL BE MAINTAINED PER U.L. U419. SEE ALSO 5/A510. SIGN OR PERMANENTLY STENCIL "FIRE BARRIER: PROTECT ALL OPENINGS" IN ACCESSIBLE PLENUM SPACES WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION. LETTERING SHALL BE 3" HIGH MIN. WITH 3/8" STROKE IN A CONTRASTING COLOR.

E. 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

F. 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.

G. 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.

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

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

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

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

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

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

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

O. SEE G101 FOR CODE DIAGRAMS

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

REFERENCED NOTES

2.05	EXISTING FIRE EXTINGUISHER CABINET
22.05	WALL MOUNTED HANDWASH SINK, SEE PLUMBING.

FLOOR PLAN LEGEND

- EXISTING WALL
- EXISTING STOREFRONT/CURTAIN WALL SYSTEM
- NEW PARTITION - 3 5/8" METAL STUDS, 16" O.C. FRAMED MINIMUM OF 6" ABOVE CEILING. SEE DETAIL 2/A501
- NEW PARTITION TO DECK - 3 5/8 METAL STUDS, 16" O.C. WITH SOUND ATTENUATION BATTS, SEE DETAIL 3/A501. MIN STC RATING OF 35.
- NEW 1 HOUR RATED PARTITION TO DECK, UL U419 - 3 5/8 METAL STUDS, 24" O.C. WITH 3 1/2" FIBERGLASS INSULATION, SEE DETAIL 4/A501
- NEW 3-5/8" METAL STUDS, 24" O.C. FRAMED TO DECK WITH SOUND ATTENUATION BATTS, SEE DETAIL 10/A501. MIN STC RATING OF 50.
- 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
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CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM EXPANSION
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH BRENT J MURRAY 6153802-0301 REGISTERED ARCHITECT

ARCHITECT STAMP

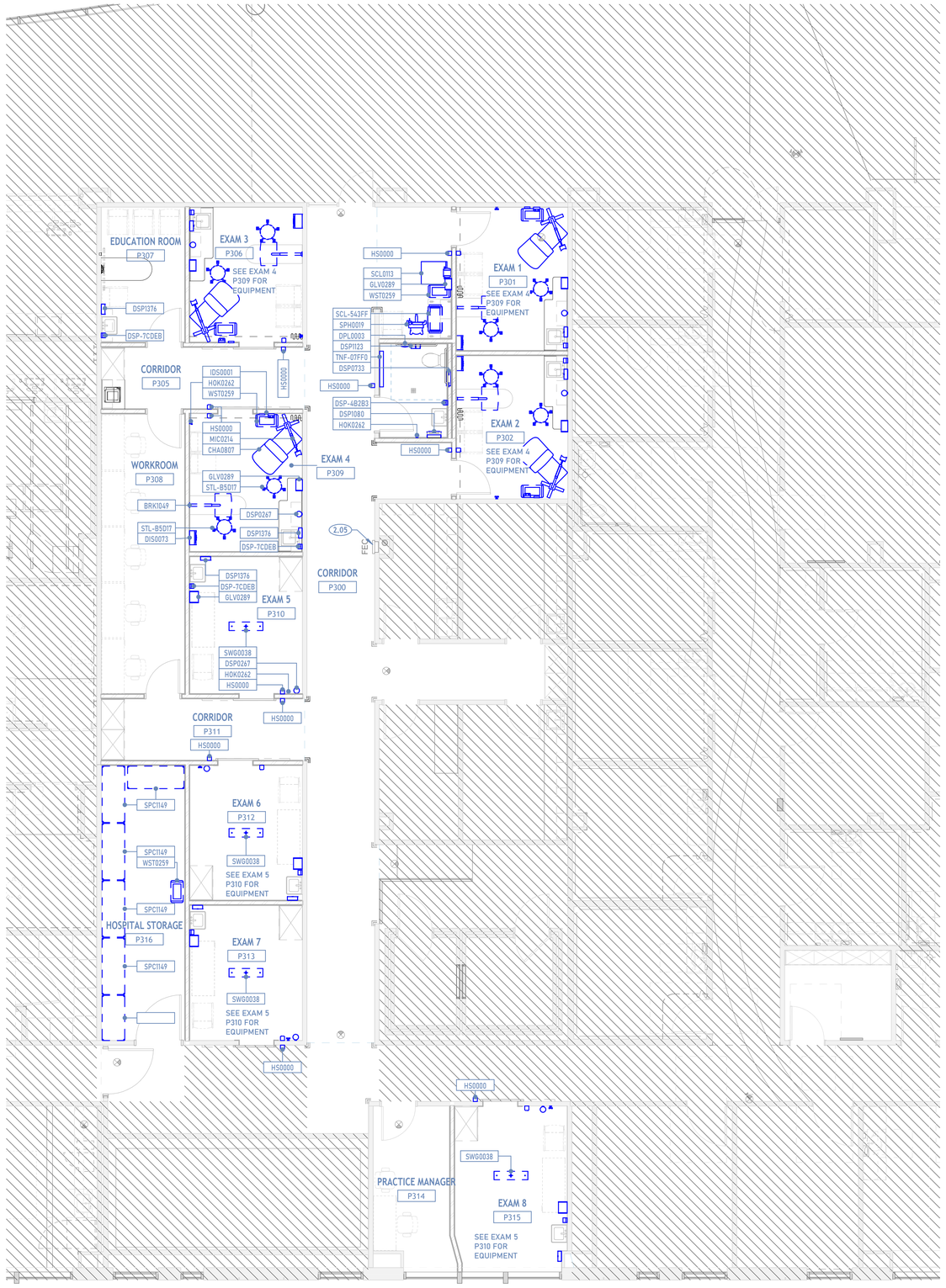
ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	BJM
CHECKED BY:	BJM

#	DATE	DESCRIPTION
1	2026.04.13	DHHS COMMENTS

FLOOR PLAN
SHEET NAME

A101
SHEET NUMBER

4/30/2026 3:16:10 PM



1 3RD FLOOR - EQUIPMENT

1 / A102 | SCALE: 3/16" = 1'-0"

0 2.7' 5.3' 10.7'

0 2"

3/16" = 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 "CAD ID" EQUIPMENT NUMBER. SEE OWNER'S PROVIDED CUT SHEET BOOK FOR OWNER PROVIDED EQUIPMENT.

REFERENCED NOTES

2.05	EXISTING FIRE EXTINGUISHER CABINET

OWNER PROVIDED EQUIPMENT...

MARK	EQ. DESCRIPTION	QTY.	CI	COMMENTS
	WIRE SHELVING	1		48" x 24"
BRK1049	WALL MOUNTED BRACKET / COMPUTER ARM	4	X	INCLUDES BRK1247, PROVIDE BACKING IN WALL
CHA0807	RITTER 225 POWER EXAMINATION TABLE	4		POWER NEARBY
DIS0073	SHARPS CONTAINER	4	X	
DPL0003	SANITARY NAPKIN DISPOSAL	1	X	
DSP0267	SANITIZING WIPE HOLDER	8	X	
DSP0733	TOILET SEAT COVER DISPENSER	1	X	
DSP1080	PAPER TOWEL AUTOMATED - RESTROOM	1	X	
DSP1123	TOILET PAPER DISPENSER	1	X	
DSP1376	PAPER TOWEL DISPENSER - TRIFOLD	9	X	
DSP-4B2B3	SOAP DISPENSER - BATHROOM	1	X	
DSP-7CDEB	SOAP DISPENSER - EXAMS	9	X	
GLV0289	GLOVE DISPENSER	9	X	
HOK0262	COAT HOOK	9	X	PROVIDE BACKING IN WALL
HS0000		17		
IDS0001	DIAGNOSTIC BOARD	4	X	
MIC0214	PORTABLE MICROSCOPE	4		
SCL0113	SCALE - STAND ON	1		POWER NEARBY
SCL-543FF	INFANT SCALE	1		
SPC1149	WIRE SHELVING	5		60" x 24"
SPH0019	SPHYGMOMANOMETER	1		
STL-B5D17	STOOL	8		
SWG0038	THERAPY SWING	4		INCLUDES SWG0026, CONTRACTOR TO INSTALL STRUCTURAL SUPPORTS
TNF-07FF0	BABY CHANGING TABLE	1	X	SEE CUT SHEET FOR REQUIRED BACKING LOCATIONS
WST0259	TRASH CAN	6		

FLOOR PLAN LEGEND

- EXISTING WALL
- EXISTING STOREFRONT/CURTAIN WALL SYSTEM
- NEW PARTITION - 3 5/8" METAL STUDS, 16" O.C. FRAMED MINIMUM OF 6" ABOVE CEILING. SEE DETAIL 2/A501
- NEW PARTITION TO DECK - 3 5/8 METAL STUDS, 16" O.C. WITH SOUND ATTENUATION BATTS, SEE DETAIL 3/A501. MIN STC RATING OF 35.
- NEW 1 HOUR RATED PARTITION TO DECK, UL U419 - 3 5/8 METAL STUDS, 24" O.C. WITH 3 1/2" FIBERGLASS INSULATION, SEE DETAIL 4/A501
- NEW 3-5/8" METAL STUDS, 24" O.C. FRAMED TO DECK WITH SOUND ATTENUATION BATTS, SEE DETAIL 10/A501. MIN STC RATING OF 50.
- ARCHITECTURAL MILLWORK, SEE ENLARGED PLANS, ELEVATIONS, AND DETAILS
- ADA REQUIRED CLEARANCES, SEE 1/A501
- AREA NOT IN PROJECT

VERO ARCHITECTURE
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CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM
EXPANSION
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

STATE OF UTAH BRENT J MURRAY 9422832-0201 REGISTERED ARCHITECT

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	BJM
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#	DATE	DESCRIPTION

EQUIPMENT PLAN

SHEET NAME

A102

SHEET NUMBER

4/30/2026 3:16:21 PM



1 EXAM EXPANSION REFLECTED CEILING PLAN
1 / A111 | SCALE: 3/16" = 1'-0"

0 2.7" 5.3" 10.7"
0 2"
3/16" = 1'-0"

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.

REFERENCED NOTES

10.01	PRIVACY CURTAIN, "ON THE RIGHT TRACK" CEILING MOUNTED TRACK, OWNER PROVIDED CURTAIN
10.02	NEW THERAPY SWING, SEE STRUCTURAL FOR NEW REQUIRED FRAMING TO SUPPORT SWING.

REFLECTED CEILING PLAN LEGEND

C99 (10'-11 7/8") — 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
- PENDANT LINEAR LIGHT, SEE ELECTRICAL DRAWINGS
- LED STRIP / ROPE 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

C1	SUSPENDED 24" x 48" ACOUSTIC CEILING TILE SYSTEM: ARMSTRONG ULTIMA HIGH NRC 1940 WITH WHITE PRELUDE XL 15/16" GRID
C2	SUSPENDED GYPSUM BOARD CEILING/SOFFIT

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201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

STATE OF UTAH — BRENT J MURRAY — 13280202-0301 — REGISTERED ARCHITECT

ARCHITECT STAMP

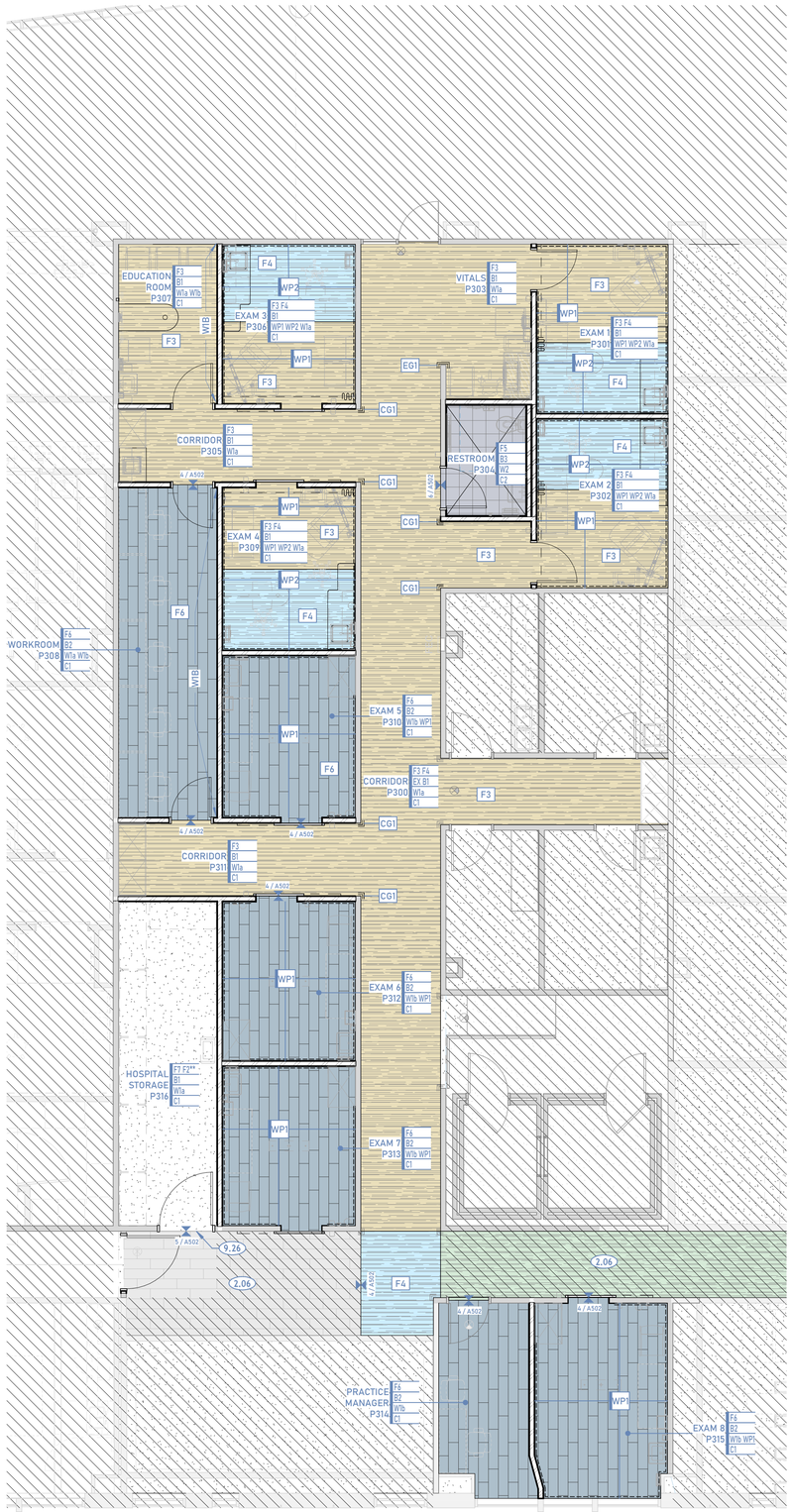
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PROJECT NO:	25010
PROJECT PHASE:	
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CHECKED BY:	XX

#	DATE	DESCRIPTION

REFLECTED CEILING PLAN
SHEET NAME

A111
SHEET NUMBER

4/30/2026 3:16:12 PM



1 3RD FLOOR - NEW FINISH PLAN

1 / A131 | SCALE: 3/16" = 1'-0"

0 2.7" 5.3" 10.7"

0 2"

3/16" = 1'-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. SEE SHEET A502 FOR TRANSITIONS BETWEEN FLOORING MATERIALS.

E. ALL WALLS TO BE PAINTED SHERWIN WILLIAMS SW7005 PURE WHITE UNLESS NOTED OTHERWISE.

F. ALL HOLLOW METAL FRAMES TO BE PAINTED IN SEMI-GLOSS FINISH SW7005 PURE WHITE.

REFERENCED NOTES

2.06	EXISTING FLOORING TO REMAIN.
9.26	FOR BID ALTERNATE 2: USE DETAIL 4/A502

FINISH LEGEND

? — FINISH TAG

1 / A101 — FLOORING TRANSITION TAG, SEE DETAILS

FLOOR FINISH

F1 NOT USED.
F2** BID ALTERNATE 2 IN THIS ROOM: NEW SHEET VINYL FLOORING TO MATCH F01
F3 NEW SHEET VINYL FLOORING TARKETT JOHNSONITE OPTIMA 823 WARM SAND WB
F4 NEW SHEET VINYL FLOORING TARKETT JOHNSONITE OPTIMA 848 LIGHT AQUA
F5 NEW PORCELAIN FLOOR TILE, UNITED CROSSVILLE NOTORIUS: FILM NOIR UNPOLISHED 12x24
F6 NEW 9"X36" CARPET TILES SHAW CONTRACT COLOR FORM TILE, 5T112, DISAPPEAR 81557. ASHLAR INSTALL PATTERN
F7 EXISTING CONCRETE FLOOR

BASE FINISH

B1 4" INTEGRAL COVED BASE AT ALL SHEET VINYL
B2 4" CARPET BASE, MATCH EXISTING
B3 TILE BASE AT TILE FLOORS, SEE INTERIOR ELEVATIONS

WALL FINISH

W1 5/8" GYPSUM BOARD, PAINTED:
a. COLOR SW 7005 PURE WHITE
b. COLOR SW 6478 WATERY
W2 UNITED CROSSVILLE NOTORIUS
a. FEMME FATALE UNPOLISHED 12" x 24" FIELD
b. FEMME FATALE UNPOLISHED 12" x 12" MOSAIC
WP1 ACROVYN 0.40" PANELS COLOR 858 PUMICE, INSTALL FULL 48" PANEL ABOVE COVED BASE.
WP2 ACROVYN 0.40" PANELS COLOR 848 ASPEN, INSTALL FULL 48" PANEL ABOVE COVED BASE

CEILING FINISH

C1 SUSPENDED 24" x 48" ACOUSTIC CEILING TILE SYSTEM: ARMSTRONG ULTIMA HIGH NRC 1940 WITH WHITE PRELUDE XL 15/16" GRID

C2 SUSPENDED GYPSUM BOARD CEILING/SOFFIT. PAINT TO MATCH W1a WITH FLAT FINISH

VERO ARCHITECTURE

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INTERMOUNTAIN HEALTH
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201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

BRENT J MURRAY
#328302-0202
STATE OF UTAH
REGISTERED ARCHITECT

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	XX
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#	DATE	DESCRIPTION

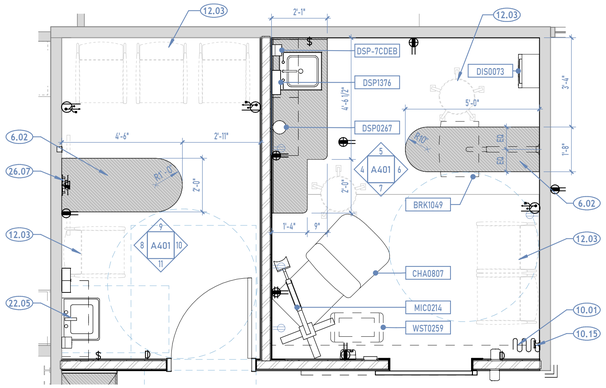
FINISH FLOOR PLAN

SHEET NAME

A131

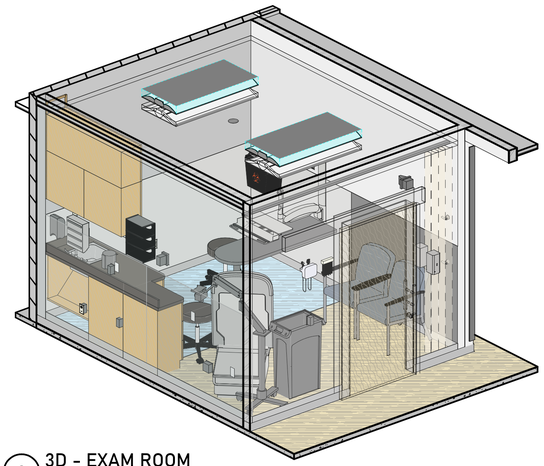
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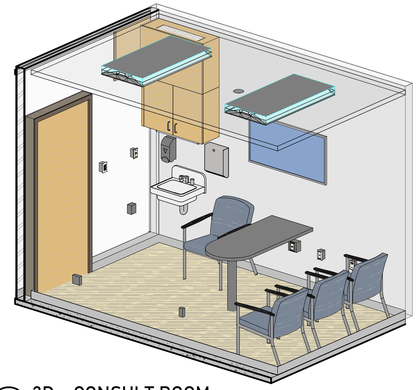
1 EDUCATION / EXAM ENLARGED PLAN

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



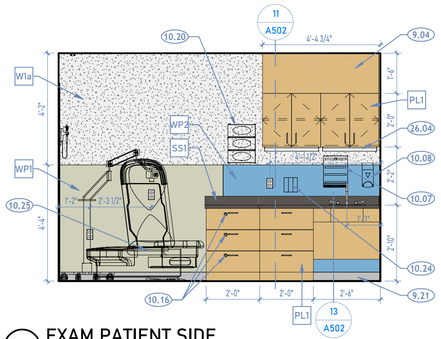
2 3D - EXAM ROOM

2 / A401 | SCALE:



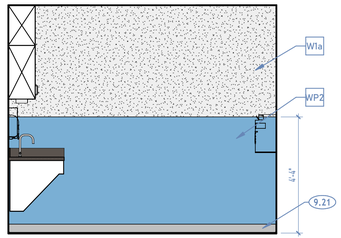
3 3D - CONSULT ROOM

3 / A401 | SCALE:



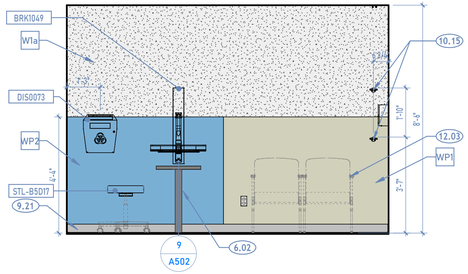
4 EXAM PATIENT SIDE

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



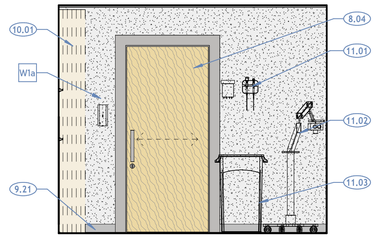
5 EXAM PATIENT TABLE

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



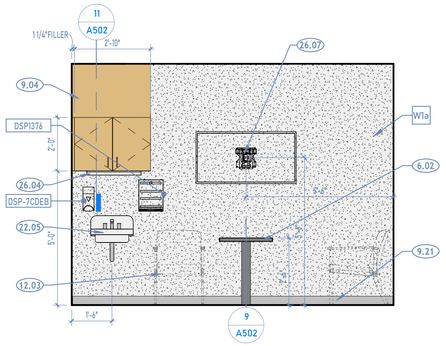
6 EXAM PROVIDER SIDE

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



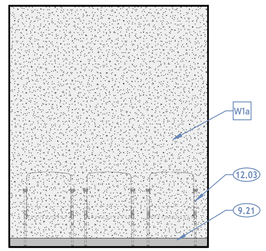
7 EXAM DOOR SIDE

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



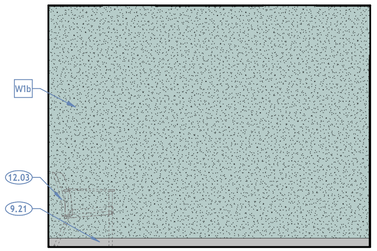
8 EDUCATION ROOM - 1

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



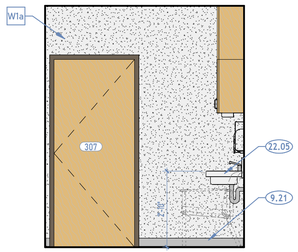
9 EDUCATION ROOM - 2

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



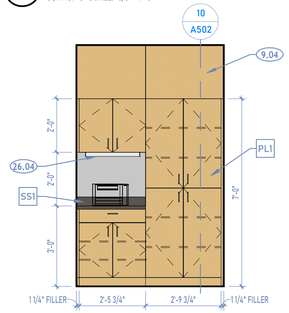
10 EDUCATION ROOM - 3

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



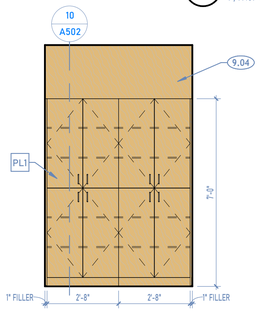
11 EDUCATION ROOM - 4

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



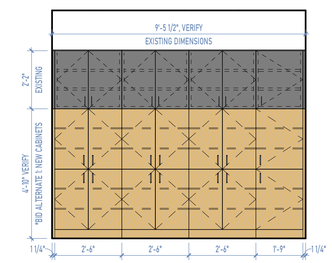
12 CORRIDOR P305 MILLWORK

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



13 CORRIDOR P311 MILLWORK

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



14* BID ALTERNATE 1 ELEVATION

14* / 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.

MILLWORK FINISH LEGEND

?	FINISH TAG
PL1	ALL CABINETS TO BE CONSTRUCTED OF PLASTIC LAMINATE. ARBORITE W465 MOCHA MODERN CHERRY
SS1	COUNTERTOP - SOLID SURFACE CORIAN CLAMSHELL

REFERENCED NOTES

6.02	PROVIDER DESK, SOLID SURFACE COUNTERTOP SUPPORTED BY DESK LEG AND LEDGER ON WALL
8.04	DOOR, SEE SCHEDULE.
9.04	SOFFIT OVER UPPER/FULL-HEIGHT CABINETS, SEE MILLWORK DETAILS.
9.21	SCHEDULED BASE, SEE FINISH PLAN.
10.01	PRIVACY CURTAIN, "ON THE RIGHT TRACK" CEILING MOUNTED TRACK, OWNER PROVIDED CURTAIN
10.07	SURFACE MOUNTED, BATTERY-POWERED AUTOMATIC PAPER TOWEL DISPENSER, SEE EQUIPMENT PLAN.
10.08	SOAP DISPENSER, SEE EQUIPMENT PLAN.
10.15	WALL MOUNTED COAT HOOK
10.16	CABINET LOCK, COORDINATE KEYING WITH OWNER.
10.20	WALL MOUNTED GLOVE DISPENSER HOLDER, SEE EQUIPMENT PLAN.
10.24	WALL MOUNTED SANITIZING WIPES HOLDER, SEE EQUIPMENT PLAN.
10.25	EXAM TABLE, SEE EQUIPMENT PLAN
11.01	WALL MOUNTED OTTOSCOPE, SEE EQUIPMENT PLAN.
11.02	PORTABLE FLOOR MICROSCOPE, SEE EQUIPMENT PLAN.
11.03	TRASH CAN, SEE EQUIPMENT PLAN.
12.03	DASHED LINES INDICATE FURNISHINGS, N.I.C.
22.05	WALL MOUNTED HANDWASH SINK, SEE PLUMBING.
26.04	TASK LIGHT MOUNTED UNDER UPPER CABINET. SEE ELECTRICAL DRAWINGS.
26.07	OWNER PROVIDED WALL MOUNT TELEVISION, PROVIDE POWER AND DATA, AND BACKING IN WALL.

OWNER PROVIDED EQUIPMENT...

MARK	EQ. DESCRIPTION	QTY.	CI	COMMENTS
BRK1049	WALL MOUNTED BRACKET / COMPUTER ARM	1	X	INCLUDES BRK1247, PROVIDE BACKING IN WALL
CHA0807	RITTER 225 POWER EXAMINATION TABLE	1		POWER NEARBY
DIS0073	SHARPS CONTAINER	1	X	
DSP0267	SANITIZING WIPE HOLDER	1	X	
DSP1376	PAPER TOWEL DISPENSER - TRIFOLD	2	X	
DSP-7CDEB	SOAP DISPENSER - EXAMS	2	X	
GLV0289	GLOVE DISPENSER	1	X	
HOK0262	COAT HOOK	2	X	PROVIDE BACKING IN WALL
HS0000		2		
IDS0001	DIAGNOSTIC BOARD	1	X	
MIC0214	PORTABLE MICROSCOPE	1		
STL-B5D17	STOOL	2		
WST0259	TRASH CAN	1		

VERO ARCHITECTURE
1480 ORCHARD DRIVE
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CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM EXPANSION
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

BRENT J MURRAY
ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
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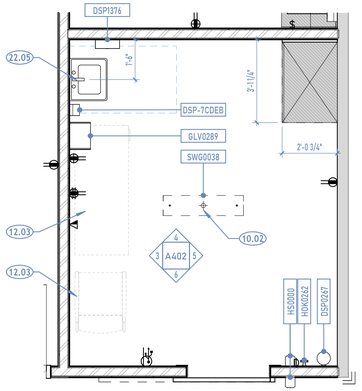
ENLARGED VIEWS AND ELEVATIONS

SHEET NAME

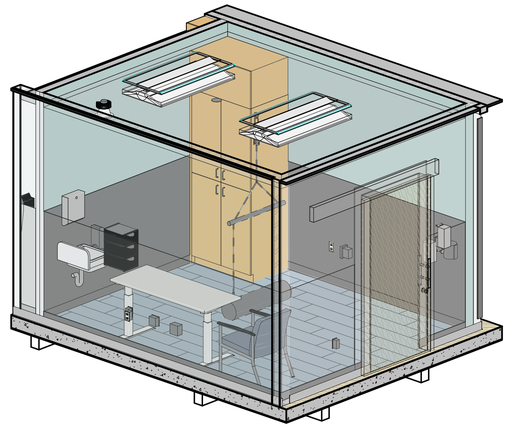
A401

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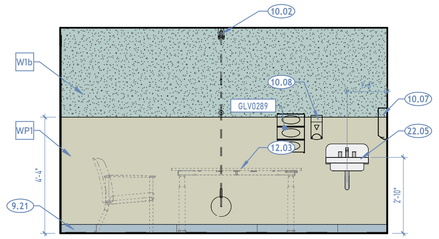
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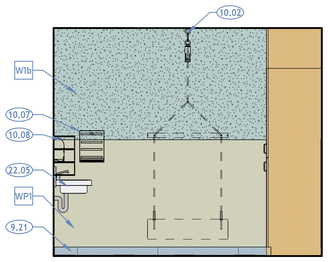
1 REHAB EXAM ROOM ENLARGED PLAN
1 / A402 | SCALE: 3/8" = 1'-0"



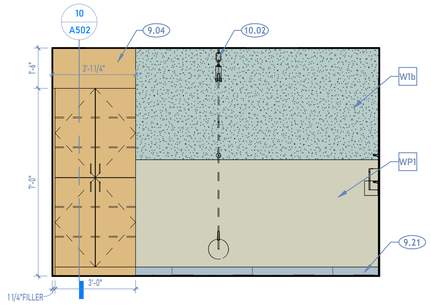
2 3D - REHAB EXAM ROOM
2 / A402 | SCALE:



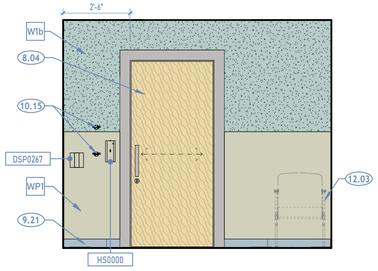
3 REHAB TABLE SIDE
3 / A402 | SCALE: 3/8" = 1'-0"



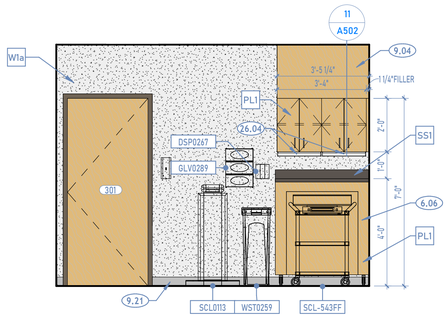
4 REHAB BACK WALL
4 / A402 | SCALE: 3/8" = 1'-0"



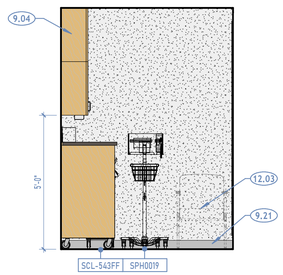
5 REHAB STORAGE WALL
5 / A402 | SCALE: 3/8" = 1'-0"



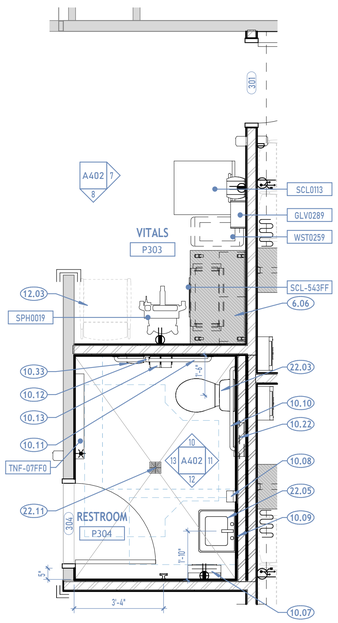
6 REHAB ENTRY WALL
6 / A402 | SCALE: 3/8" = 1'-0"



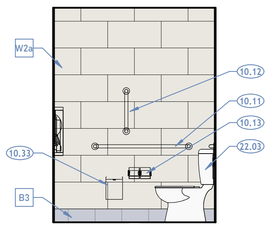
7 VITALS EAST
7 / A402 | SCALE: 3/8" = 1'-0"



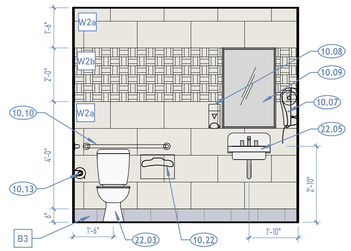
8 VITALS SOUTH
8 / A402 | SCALE: 3/8" = 1'-0"



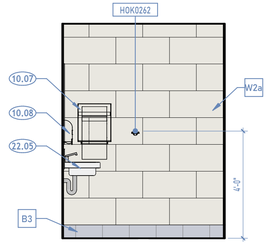
9 3RD FLOOR - NEW - VITALS
9 / A402 | SCALE: 3/8" = 1'-0"



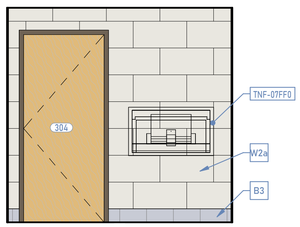
10 RESTROOM P304 NORTH
10 / A402 | SCALE: 3/8" = 1'-0"



11 RESTROOM P304 EAST
11 / A402 | SCALE: 3/8" = 1'-0"



12 RESTROOM P304 SOUTH
12 / A402 | SCALE: 3/8" = 1'-0"



13 RESTROOM P304 WEST
13 / 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.

MILLWORK FINISH LEGEND

?	FINISH TAG
PL1	ALL CABINETS TO BE CONSTRUCTED OF PLASTIC LAMINATE. ARBORITE W465 MOCHA MODERN CHERRY
SS1	COUNTERTOP - SOLID SURFACE CORIAN CLAMSHELL

REFERENCED NOTES

6.06	VITALS CART, SEE MILLWORK DETAILS
8.04	DOOR, SEE SCHEDULE.
9.04	SOFFIT OVER UPPER/FULL-HEIGHT CABINETS, SEE MILLWORK DETAILS.
9.21	SCHEDULED BASE, SEE FINISH PLAN.
10.02	NEW THERAPY SWING, SEE STRUCTURAL FOR NEW REQUIRED FRAMING TO SUPPORT SWING.
10.07	SURFACE MOUNTED, BATTERY-POWERED AUTOMATIC PAPER TOWEL DISPENSER, SEE EQUIPMENT PLAN.
10.08	SOAP DISPENSER, SEE EQUIPMENT PLAN.
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.
10.13	DUAL ROLL TISSUE DISPENSER. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501 AND EQUIPMENT SCHEDULE.
10.15	WALL MOUNTED COAT HOOK
10.22	TOILET SEAT COVER DISPENSER, SEE EQUIPMENT SCHEDULE
10.33	SANITARY NAPKIN DISPOSAL. SEE EQUIPMENT SCHEDULE.
12.03	DASHED LINES INDICATE FURNISHINGS, N.I.C.
22.03	TOILET, SEE PLUMBING.
22.05	WALL MOUNTED HANDWASH SINK, SEE PLUMBING.
22.11	FLOOR DRAIN, SEE PLUMBING. SLOPE FLOOR TO DRAIN.
26.04	TASK LIGHT MOUNTED UNDER UPPER CABINET. SEE ELECTRICAL DRAWINGS.

OWNER PROVIDED EQUIPMENT...

MARK	EQ. DESCRIPTION	QTY.	CI	COMMENTS
BRK1049	WALL MOUNTED BRACKET / COMPUTER ARM	3	X	INCLUDES BRK1247, PROVIDE BACKING IN WALL
DIS0073	SHARPS CONTAINER	3	X	
DPL0003	SANITARY NAPKIN DISPOSAL	1	X	
DSP0267	SANITIZING WIPE HOLDER	2	X	
DSP0733	TOILET SEAT COVER DISPENSER	1	X	
DSP1080	PAPER TOWEL AUTOMATED - RESTROOM	1	X	
DSP1123	TOILET PAPER DISPENSER	1	X	
DSPI376	PAPER TOWEL DISPENSER - TRIFOLD	1	X	
DSP-4B2B3	SOAP DISPENSER - BATHROOM	1	X	
DSP-7CDEB	SOAP DISPENSER - EXAMS	2	X	
GLV0289	GLOVE DISPENSER	2	X	
HOK0262	COAT HOOK	3	X	PROVIDE BACKING IN WALL
HSO000		7		
SCL0113	SCALE - STAND ON	1		POWER NEARBY
SCL-543FF	INFANT SCALE	1		
SPH0019	SPHYGMOMANOMETER	1		
SWG0038	THERAPY SWING	1		INCLUDES SWG0026, CONTRACTOR TO INSTALL STRUCTURAL SUPPORTS
TNF-07FF0	BABY CHANGING TABLE	1	X	SEE CUT SHEET FOR REQUIRED BACKING LOCATIONS
WST0259	TRASH CAN	1		

VERO ARCHITECTURE
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CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM EXPANSION
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET
PROJECT STATUS

BRENT J MURRAY
5432832 020
REGISTERED ARCHITECT
STATE OF UTAH

ARCHITECT STAMP

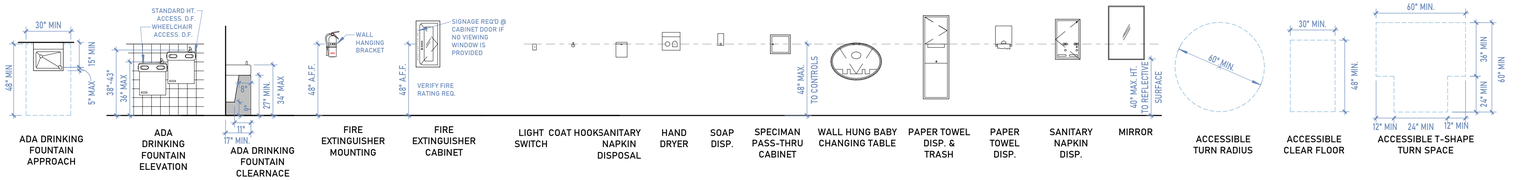
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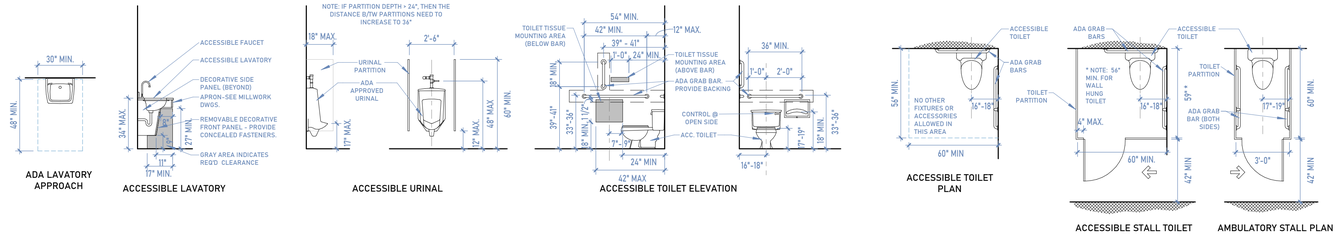
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ENLARGED VIEWS AND ELEVATIONS
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SHEET NUMBER

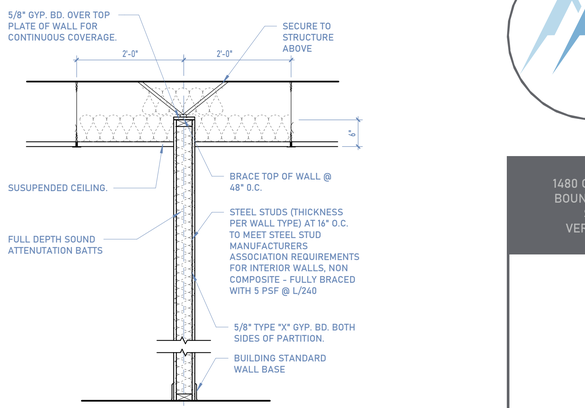
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1 STANDARD MOUNTING HEIGHTS

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"

- 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.

5 SUSPENDED CEILING DETAIL

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

6 SEISMIC BRACING

6 / A501 | SCALE: NTS

7 CEILING SEISMIC EDGE DETAIL

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

8 WALL CAP AT MULLION

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

9 SLIP JOINT

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

10 PARTITION - STC RATED WALL

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

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BRENT J MURRAY
6153802-0201
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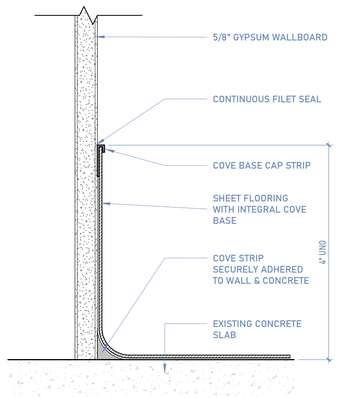
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CHECKED BY:	BM

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ARCHITECTURAL DETAILS
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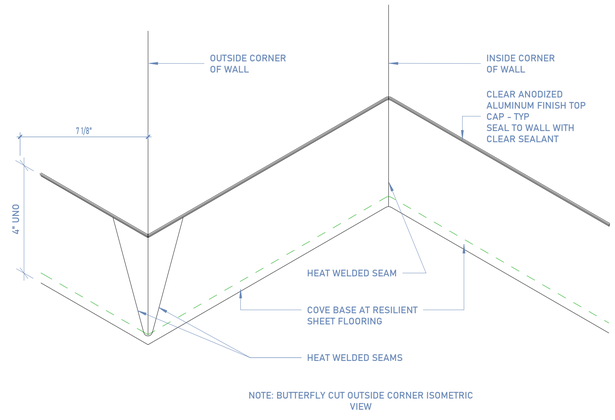
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1 SECTION - INTEGRAL COVE BASE

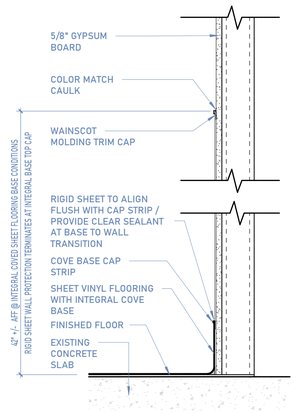
1 / A502 | SCALE: 6" = 1'-0"



NOTE: BUTTERFLY CUT OUTSIDE CORNER ISOMETRIC VIEW

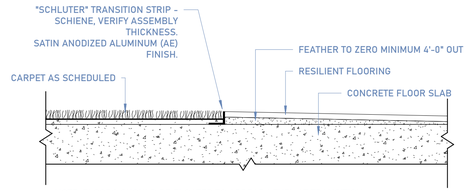
2 ISOMETRIC - INTEGRAL COVE BASE DETAIL

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



3 WP - SECTION - RIGID SHEET TO SHEET VINYL

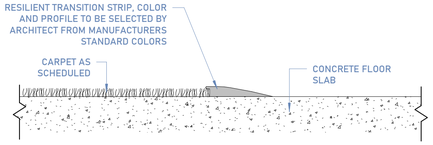
3 / A502 | SCALE: 1 1/2" = 1'-0"



NOTE: FLOORS SHOULD BE FLOATED TO APPEAR LEVEL AT TRANSITION.

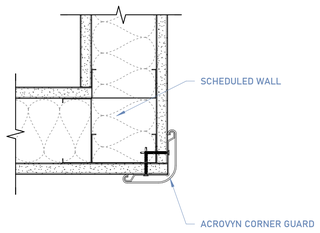
4 FLOORING TRANSITION - CARPET TO RESILIENT

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



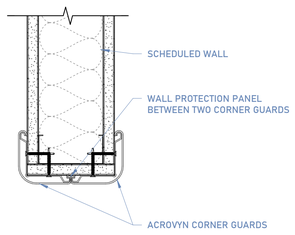
5 FLOORING TRANSITION - CARPET TO CONCRETE

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



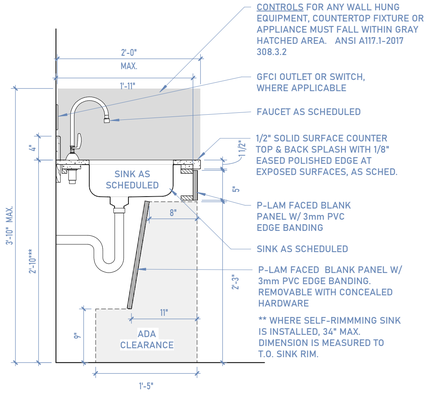
7 CORNER GUARD

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



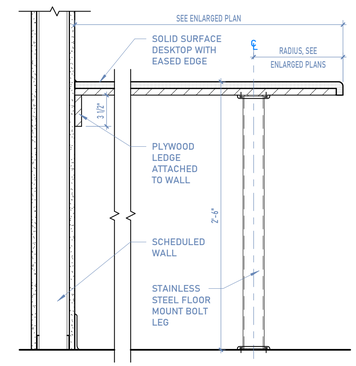
8 END GUARD

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



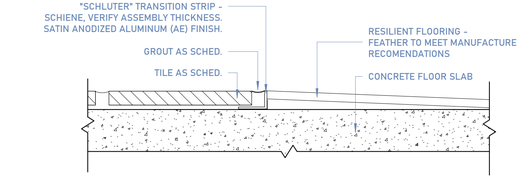
13 ADA FRONT APPROACH SINK - 34" HT. COUNTER

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



9 PROVIDER TABLE SECTION

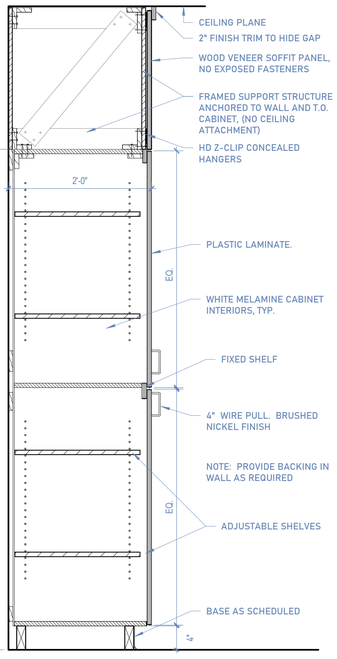
9 / A502 | SCALE: 1 1/2" = 1'-0"



NOTE: FLOORS SHOULD BE FLOATED TO APPEAR LEVEL AT TRANSITION.

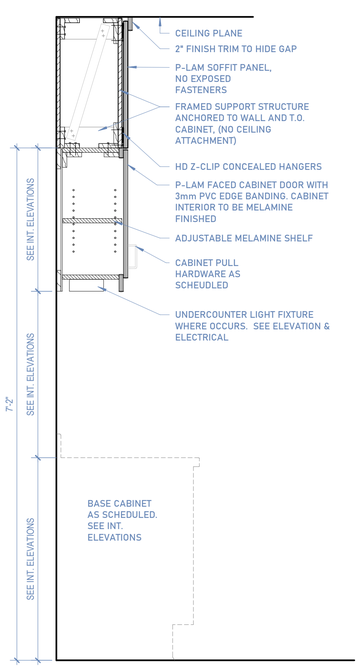
6 FLOORING TRANSITION - PORCELAIN TILE TO RESILIENT

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



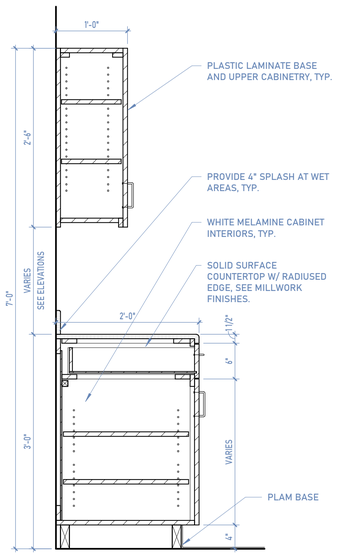
10 FULL HEIGHT MILLWORK DETAIL

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



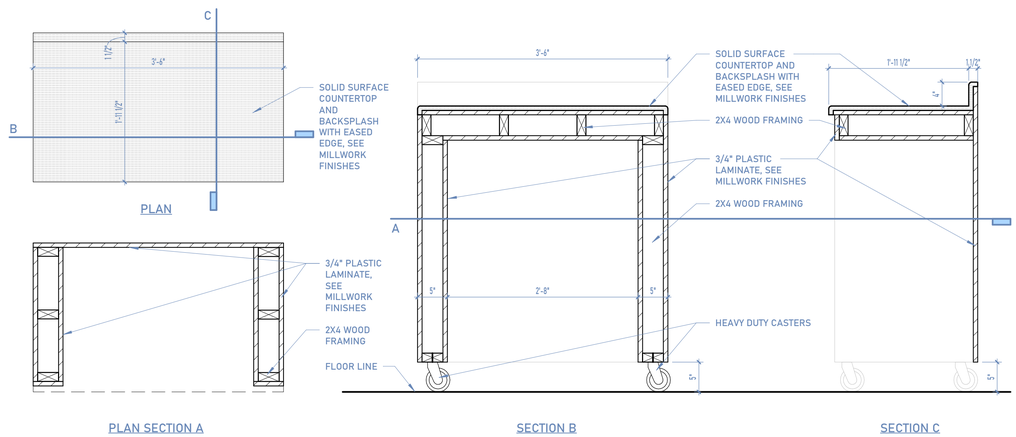
11 TYPICAL 12" UPPER CABINET DETAIL

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



12 ALCOVE MILLWORK SECTION

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



15 VITALS MILLWORK CART DETAILS

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

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BID SET
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BRENT J MURRAY
9432832-0202
REGISTERED ARCHITECT

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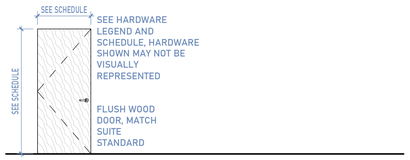
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DRAWN BY:	XX
CHECKED BY:	XX

#	DATE	DESCRIPTION

ARCHITECTURAL DETAILS
SHEET NAME

A502
SHEET NUMBER

4/30/2026 3:16:18 PM



LEGEND - DOOR PANEL

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

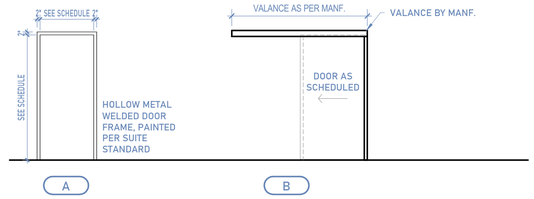
HARDWARE GENERAL NOTES

1. ALL HARDWARE TO BE ADA COMPLIANT (NO PINCHING OR TWISTING OF WRIST, ALL OPERABLE HARDWARE MOUNTED BETWEEN 36"-48" A.F.F.)
2. PROVIDE ALL HARDWARE REQUIRED FOR FUNCTION OF DOOR INCLUDING HINGES, SILENCERS, HANDLE SETS. CLOSERS WHERE INDICATED ON SCHEDULE
3. FINISH: MATCH EXISTING SUITE STANDARD

SEE SPECIFICATIONS FOR HARDWARE

LEGEND - HARDWARE

SCALE: NTS

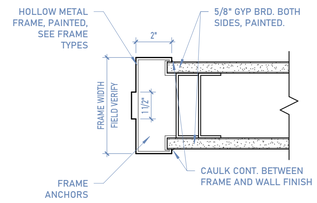


LEGEND - DOOR FRAME

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

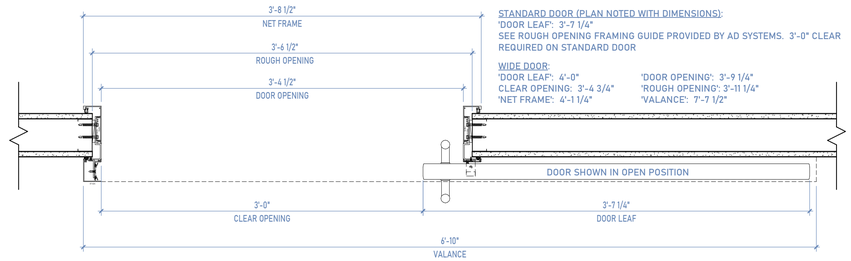
DOOR SCHEDULE

Level	DOOR NUMBER	DOOR PANEL SIZE WIDTH	HEIGHT	THICKNESS	PANEL TYPE	DOOR FRAME FRAME TYPE	HEAD	JAMB	THRESHOLD	FIRE RATING	COMMENTS	DOOR NUMBER
Existing												
3RD FLOOR	E303	3'-0"	9'-10"		-						EXISTING TO REMAIN	E303
3RD FLOOR	E314	3'-0"	7'-0"	0'-1 3/4"	-						EXISTING TO REMAIN	E314
New Construction												
3RD FLOOR	301	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				301
3RD FLOOR	302	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				302
3RD FLOOR	304	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				304
3RD FLOOR	306	3'-1 1/2"	7'-0"	0'-1 3/4"	1	B	4/A601	2&3/A601				306
3RD FLOOR	307	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				307
3RD FLOOR	308	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				308
3RD FLOOR	309	3'-1 1/2"	7'-0"	0'-1 3/4"	1	B	4/A601	2&3/A601				309
3RD FLOOR	310	3'-1 1/2"	7'-0"	0'-1 3/4"	1	B	4/A601	2&3/A601				310
3RD FLOOR	311	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				311
3RD FLOOR	312	3'-1 1/2"	7'-0"	0'-1 3/4"	1	B	4/A601	2&3/A601				312
3RD FLOOR	313	3'-1 1/2"	7'-0"	0'-1 3/4"	1	B	4/A601	2&3/A601				313
3RD FLOOR	315	3'-1 1/2"	7'-0"	0'-1 3/4"	1	B	4/A601	2&3/A601				315
3RD FLOOR	316	4'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601				316
3RD FLOOR	317	4'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601			REUSE HARDWARE FROM DEMOLISHED DOOR	317



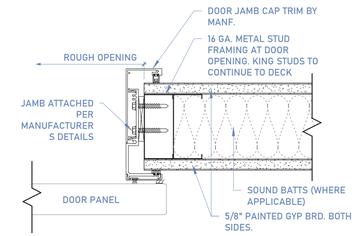
1 INT. DOOR JAMB (HEAD SIM.)

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



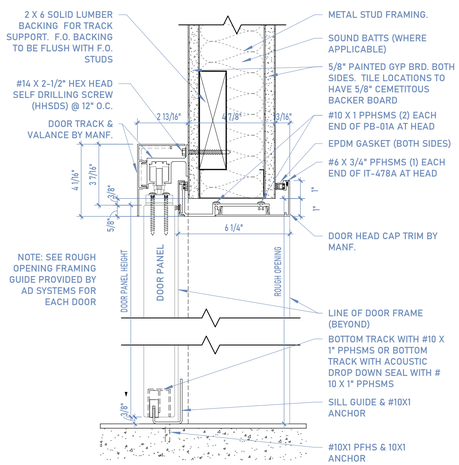
2 AD SLIDE PLAN - STANDARD & WIDE DOOR

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"

VERO ARCHITECTURE
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CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM EXPANSION
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS



ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	XX
CHECKED BY:	XX

#	DATE	DESCRIPTION

DOOR SCHEDULE

SHEET NAME

A601

SHEET NUMBER

4/30/2026 3:16:18 PM

GENERAL STRUCTURAL NOTES

GENERAL

1. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
2. Typical details and sections shall apply where specific details are not shown.
3. The structural drawings are not all-inclusive and do not contain all dimensions, elevations, openings, mechanical shafts, and penetrations needed to build the structure. The contractor shall coordinate these items with the Architectural, Mechanical and Electrical drawings.
4. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
5. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
6. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
7. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor/roof system is completed.
8. Site observations by BHB Consulting Engineers' field representative shall not be construed as approval of construction procedures nor special inspection.
9. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultant's drawings. Some dimensions and elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural, mechanical, and electrical drawings.
10. Contractor shall review shop drawings for compliance with contract documents, and stamp shop drawings with review stamp prior to submission to architect for review. Review of shop drawings by BHB Consulting Engineers is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents. Fabrication shall not begin until shop drawings review process is complete. Shop drawings made from reproductions of the contract drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
11. Only an authorized representative of BHB Consulting Engineers may make changes to these contract drawings. BHB Consulting Engineers shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of BHB Consulting Engineers.
12. Bidding, pricing or construction done prior to receiving final building permits from the authorities having jurisdiction is at the contractor's own risk. Changes to the drawings may be required as part of the plan check process. BHB Consulting Engineers will not be held liable for, nor compensate for, changes to these drawings before final jurisdiction approval is obtained.

BASIS OF DESIGN

1. Governing Code — International Building Code 2021
   a. Risk Category — IV
2. Floor Live Loads
   a. Exam Rooms — 80 psf + 20 psf Partition

EXISTING CONDITIONS

1. Structural connections and the framing systems shown in the structural drawings are based on existing structural drawings. The contractor shall verify the existing conditions of exposed framing systems, connections, walls, and other structural elements within the project area. If existing conditions vary from the information in the contract documents, the contractor shall notify the architect/engineer prior to proceeding with the fabrication or construction of any affected elements.
2. Existing framing systems and foundations taking new loads are assumed to be in good condition, unless noted otherwise in the contract documents. The contractor shall immediately notify the architect/engineer of any deficiencies in the existing structure that are observed or revealed during construction (e.g. corrosion of steel members, cracking or crumbling of concrete, checking or splitting of wood members) prior to proceeding with the fabrication or construction of any affected elements.
3. The contractor shall use the foundation systems indicated on the plans for reference only, and shall field verify foundation sizes, locations, and thicknesses during construction. The contractor shall notify the architect/engineer if existing foundations vary from the information in the contract documents prior to proceeding with the fabrication or construction of any affected elements.
4. While performing work adjacent to existing structures, the contractor shall be responsible for adequate shoring and protection of all existing structures, utilities, and services which will be affected by the work in the contract documents.

STRUCTURAL STEEL

1. Material:
   a. Wide Flange Sections — ASTM A992 (50 ksi)
   b. All Thread Rods, Other Shapes & Plates — ASTM A36 (36 ksi) or ASTM A572 Gr 50 (50 ksi) where indicated on plans.
   c. Square or Rectangular HSS — ASTM A500 (50 ksi) Grade C or ASTM A1085 (50ksi)
   d. Deformed Bar Anchors (DBA) — ASTM A1064
   e. Headed Stud Anchors (HSA) — ASTM A108
   f. Bolted Connections: — ASTM F3125 Grade A325 with ASTM A563 nuts and ASTM F436 hardened washers.
2. Fabrication and construction shall comply with the latest edition of the following Codes and Standards:
   a. American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
   b. AISC "Code of Standard Practice" excluding the following: Section 3.2, Section 4.4, Section 4.4.1,
   c. AISC "Specification for Structural Joints Using High-Strength Bolts"
   d. American Welding Society (AWS), Structural Welding Code (specific items do not apply when they conflict with the AISC requirements).
   e. AISC "Seismic Provision for Structural Steel Buildings"- ANSI/AISC 341
3. Welding
   a. Field weld flags that have been put in these documents are for suggestion only. The contractor has the option to substitute shop welding for field welding or vice versa. The steel fabrication and steel erection drawings must clearly distinguish between shop welds and field welds prior to any work being performed.
   b. Steel fabricators shall indicate the shop welds that are excluded from their bids. Steel erectors shall indicate the field welds that are excluded from their bids. It is the responsibility of the contractor to coordinate shop welding and field welding with the appropriate subcontractors.
   c. All welding and cutting shall be performed by AWS certified welders.
   d. Use E70 XX (58 ksi yield, 70 ksi tensile) unless noted otherwise. E60 XX may be used for welding steel decks.
   e. All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Where fillet weld sizes are not shown they shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected part.
4. Provide full-depth web-stiffener plates where indicated in the details including at each side of all beams at all bearing points. Stiffener plate thickness shall be the greater of the following:
   a. 1/4"
   b. 1/2 the thickness of the beam flange
   c. 1/16 the width of the stiffener (half the beam flange width).
   d. 1/32 the depth of the beam

   Stiffener plates shall be welded on one side with fillet welds all around. The size of the fillet weld shall be 1/2 the stiffener plate thickness or 3/16" min.

REQUIREMENTS FOR SPECIAL INSPECTION, MATERIAL TESTING, AND STRUCTURAL OBSERVATION

STATEMENT OF SPECIAL INSPECTION AND QUALITY ASSURANCE

Special inspection and quality assurance (including structural testing), as required by section 1704 and 1705 of the 2021 IBC, shall be provided by an independent agency employed by the owner for the items in this section and other areas of the approved construction documents, unless waived by the building official.	
The names and credentials of the Special Inspectors to be used shall be submitted to the Building Official for approval.	
Responsibilities of the Special Inspector	
	Special Inspector shall review all work listed in the special inspection schedules herein for conformance with the approved construction plans, specifications and 2021 IBC.
	Testing and inspection reports shall be sent on a weekly basis to the architect, engineer, building official and contractor for review. All items not in compliance shall be brought to the immediate attention of the contractor for correction, and if uncorrected, to the architect, engineer and building official.
	Once corrections have been made by the contractor, the special inspector shall submit a final signed report to the building official stating that the work requiring special inspection was, to the best of the special inspector's knowledge, in conformance with the approved construction plans, specifications and 2021 IBC.
Responsibilities of the Contractor	
	The contractor shall submit a written statement of responsibility to the owner and the building official prior to the commencement of work in accordance with 2021 IBC section 1704.4. This statement shall indicate that the contractor will coordinate and cooperate with the required inspections contained herein.
	The contractor shall notify the designated special inspector that work is ready for inspection at least 24 hours before said inspection is required.
	All work requiring special inspection shall remain open and accessible until it has been observed by the special inspector and deemed acceptable through inspection report.
	Special inspection during fabrication is not required if the fabricator is registered and approved by the authority having jurisdiction to perform such work without special inspection. Upon completion of fabrication, the approved fabricator shall submit a certificate of compliance for submittal to the building official.
	The contractor shall be responsible for their own quality control including materials, fabrication, erection, etc.

STEEL WELDED CONSTRUCTION INSPECTIONS

Definition of Terms

Where special inspections are listed under "Random Basis", special inspection of elements and items shall be performed on a random basis. Operations need not be delayed pending these inspections. Where special inspection items are listed under "Every Element", special inspection shall be performed for each element, joint, or member, as applicable based on the task listed below.

Structural Welding (2021 IBC section 1705.2.1 and section 1705.13.1 and section 1705.14.1 and AISC 360-16 Chapter N and AISC 341-16 Chapter J)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION PLAN: Every Element	INSPECTION PLAN: Random Basis	COMMENTS
Inspection Tasks Prior to Welding			
Welding procedures specifications and manufacturer certifications for welding consumables shall be available	X	-	Welding procedures shall be submitted to the Engineer of Record for review.
Material identification (type/grade)	-	X	
Welder identification system	-	X	Verify there is a system in place to identify the welder who has welded a joint or member.
Fit-up of groove welds	-	X	Including joint geometry, joint preparation, dimensions, cleanliness, tacking and backing type and fit.
Configuration and finish of access holes	-	X	
Fit-up of fillet welds	-	X	Including alignment, gaps at root, dimensions, cleanliness and tacking.
Check welding equipment	-	X	
Inspection Tasks During Welding			
Use of qualified welders	-	X	
Control and handling of welding consumables	-	X	Including packaging and exposure control
Cracked tack welds	-	X	Verify no welding over cracked tack welds.
Environmental conditions	-	X	Including wind speed within limits and precipitation and temperature
WPS followed	-	X	Including settings on welding equipment, travel speed, selected welding materials, shielding gas type/flow rate, preheat applied, interpass temperature (min./max.) maintained, proper position (F, V, H, OH)
Welding techniques	-	X	Including interpass and final cleaning, each pass within profile limitations, each pass meets quality requirements
Inspection Tasks After Welding			
Welds cleaned	-	X	
Size, length and location of welds	X	-	
Welds meet visual acceptance criteria	X	-	Including crack prohibition, weld/base-metal fusion, crater cross section, weld profiles, weld size, undercut and porosity.
Arc strikes, k-area, weld access holes for flanges greater than 2", backing removed and weld tabs removed (if required), repair activities	X	-	When welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3" of the weld.
Document acceptance or rejection of each welded joint or member	X	-	

STRUCTURAL OBSERVATION PROGRAM

If structural observations are required, they shall be done by the Engineer of Record or an approved subordinate at the stages of construction listed in the Construction Notification Phases section of these notes. The structural observer shall visually observe representative locations of structural systems, details and load paths for general conformance with the approved construction documents. Structural observation does not include or waive the responsibility for the special inspections indicated in these structural drawings. At the conclusion of the project, the designated structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that to the best of the structural observer's knowledge have not been resolved (See IBC 2021 1704.6).

STRUCTURAL OBSERVATION PROGRAM REQUIRED BY CODE:	YES	NO
	X	

CONSTRUCTION MILESTONE SCHEDULE

CONTRACTOR TO NOTIFY ENGINEER AT THE FOLLOWING CONSTRUCTION PHASES:	
STEEL	
Roof framing	After substantial portion of framing is erected

DEFERRED SUBMITTALS

For the purposes of this section, deferred submittals are defined as per section 107.3.4.1 of the IBC 2021. Submittal documents for deferred submittal items shall be submitted to the engineer, architect and building official for their review for general conformance with the design of the building.

DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE

None

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CONSULTANTS

INTERMOUNTAIN HEALTH
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201 WEST LAYTON PARKWAY
LAYTON, UT 84041

PERMIT SET
PROJECT STATUS

PROFESSIONAL ENGINEER
No. 10881225
JORDAN PERKES
STATE OF UTAH
3/4/2026
ARCHITECT STAMP

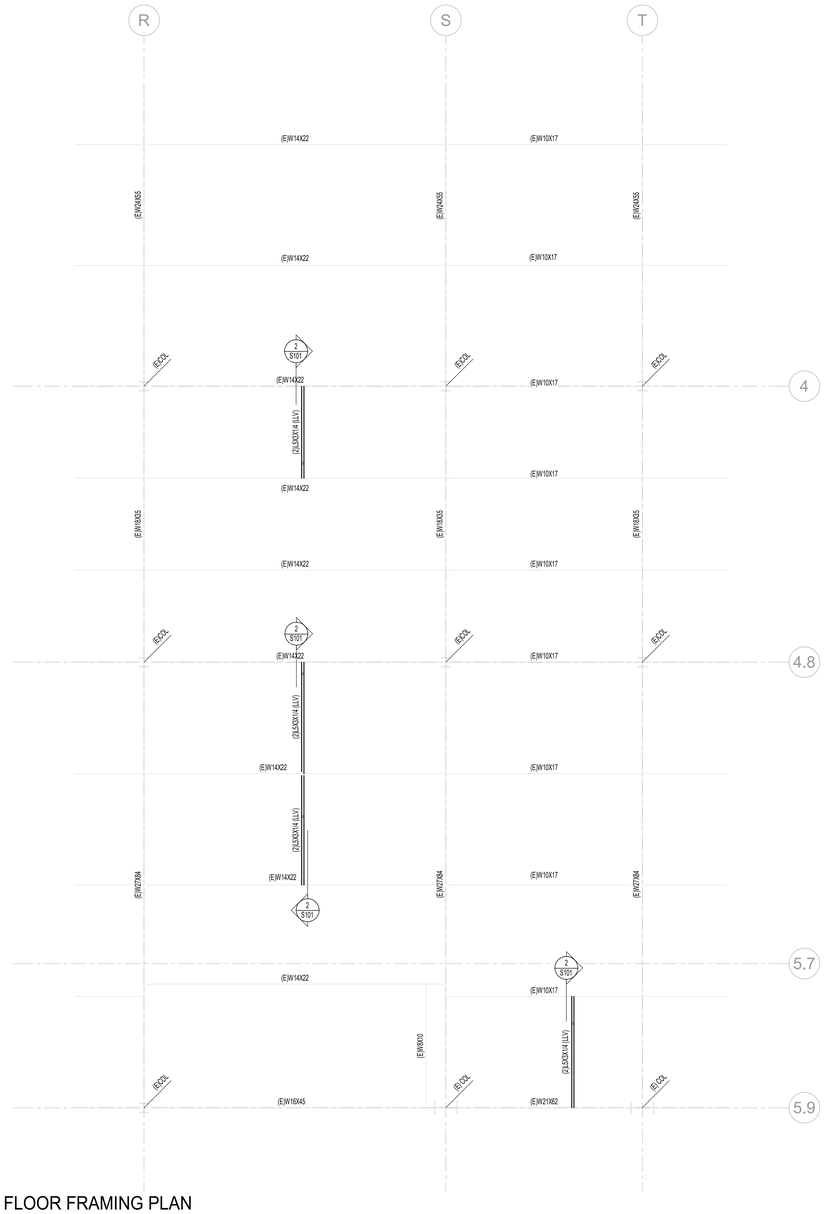
ISSUE DATE:	3/4/2026
PROJECT NO:	260095
PROJECT PHASE:	
DRAWN BY:	NM
CHECKED BY:	JP

#	DATE	DESCRIPTION

GENERAL STRUCT NOTES AND SPECIAL INSPECTIONS
SHEET NAME

S001
SHEET NUMBER

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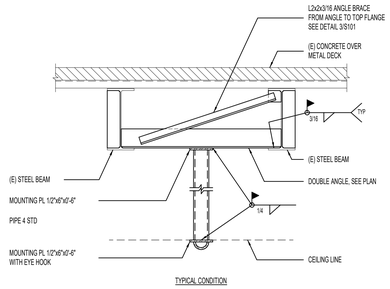


1 4TH FLOOR FRAMING PLAN

3/16" = 1'-0" 0" 4'-0" 8'-0" 16'-0"

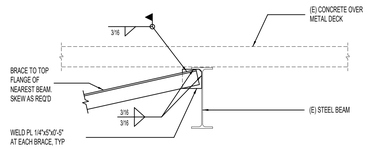
LEGEND OF ABBREVIATIONS

AB	ANCHOR BOLT(S)	k	KIP(S) = 1000 POUNDS
ABV	ABOVE	KLF	KIPS PER LINEAL FOOT
ALT	ALTERNATE	KSF	KIPS PER SQUARE FOOT
APPROX	APPROXIMATE		
ARCH	ARCHITECT(URAL)	LBS	POUNDS
		LF	LINEAL FOOT
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLW	BELOW	LLV	LONG LEG VERTICAL
BM	BEAM		
BOT	BOTTOM	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BTWN	BETWEEN	MFR	MANUFACTURER
		MIN	MINIMUM
CC.	CENTER-TO CENTER	MISC	MISCELLANEOUS
C.J.	CONST/CONTROL JOINT		
COL	COLUMN	NIC	NOT IN CONTRACT
CONC	CONCRETE	NTS	NOT TO SCALE
CONST	CONSTRUCTION		
CTR	CENTER	O.C.	ON CENTER
CW-x	CONCRETE WALL	O.F.	OUTSIDE FACE
		OPNG	OPENING
DB	DECK BEARING	OPP	OPPOSITE
DBA	DEFORMED BAR ANCHOR		
DBE	DECK BEARING ELEVATION	PAF	POWDER-ACTUATED FASTENER
DBL	DOUBLE	PCF	POUNDS PER CUBIC FOOT
DET	DETAIL	PL	PLATE
DIA	DIAMETER	PLF	POUNDS PER LINEAL FOOT
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	PT	POINT
DWL	DOWEL		
		REQD	REQUIRED
(E)	EXISTING	R.D.	ROOF DRAIN
EA	EACH	RTU	ROOF TOP UNITS
E.F.	EACH FACE		
E.J.	EXPANSION JOINT	SHT	SHEET
ELEC	ELECTRICAL	SI	SPECIAL INSPECTION
ELEV	ELEVATION	SIM	SIMILAR
EQUIP	EQUIPMENT	SMU	SUSPENDED MECHANICAL UNITS
EQ	EQUAL	SOG	SLAB-ON-GRADE
E.W.	EACH WAY	SQ	SQUARE
EXST	EXISTING	STAG	STAGGERED
EXT	EXTERIOR	STD	STANDARD
		STL	STEEL
FC-x	CONTINUOUS FOOTING MARK	STR	STRUCTURAL
F.D.	FLOOR DRAIN	STS	SELF TAPPING SCREWS
FDN	FOUNDATION		
F.F.	FINISHED FLOOR	T&B	TOP AND BOTTOM
FR-x	RECTANGULAR FOOTING	TEMP	TEMPERATURE
FS-x	SQUARE FOOTING MARK	THDS	THREADS
FT	FOOT	T.O.	TOP OF
FTG	FOOTING	TOC	TOP OF CONCRETE
FTS-x	THICKENED SLAB MARK	TOD	TOP OF DECK
		TOF	TOP OF FOOTING
GA	GAUGE	TOW	TOP OF WALL
GALV	GALVANIZED	TYP	TYPICAL
GSN	GENERAL STRUCTURAL NOTES		
		UNO	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL		
HSA	HEADED STUD ANCHOR	VERT	VERTICAL
HT	HEIGHT		
		W/	WITH
		WT	WALL THICKNESS
ICC	INTERNATIONAL CODE COUNCIL	WWF	WELDED WIRE FABRIC
IBC	INTERNATIONAL BUILDING CODE	WWM	WELDED WIRE MESH
I.F.	INSIDE FACE		
IN.	INCH		
INT	INTERIOR		
JT	JOINT		
JST	JOIST		



2 TYPICAL HANGING SWING SUPPORT DETAIL

NO SCALE



3 TYPICAL BRACE DETAIL

NO SCALE

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CONSULTANTS

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PERMIT SET

PROJECT STATUS

PROFESSIONAL ENGINEER
No. 10881225
JORDAN PERKES
STATE OF UTAH
3/4/2026

ARCHITECT STAMP

ISSUE DATE:	3/4/2026
PROJECT NO:	260095
PROJECT PHASE:	
DRAWN BY:	NM
CHECKED BY:	JP

#	DATE	DESCRIPTION

FLOOR FRAMING PLANS AND DETAILS

SHEET NAME

S101

SHEET NUMBER

3/3/2026 2:59:13 PM

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

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
P/V	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.

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 / 8'0"/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 / 180 CFH
- HEATING CAPACITY
- GAS SUPPLY INPUT RATE
- ET-1 — 379 lb — OPERATING WEIGHT
- EF-1 — 500 CFM — DESIGN AIRFLOW RATE
- VAV-1-2 — 3.1 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

- (B) — MANUAL DAMPER
- (M) — MOTORIZED (ATC) DAMPER
- (D) — BACKDRAFT DAMPER
- (S) — SMOKE DAMPER
- FIRE DAMPER
- (C) — 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

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.

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 VALVES 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.

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BID SET
PROJECT STATUS

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

ISSUE DATE:	2026.04.30
PROJECT NO:	25029
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION
		Title Sheet Revision

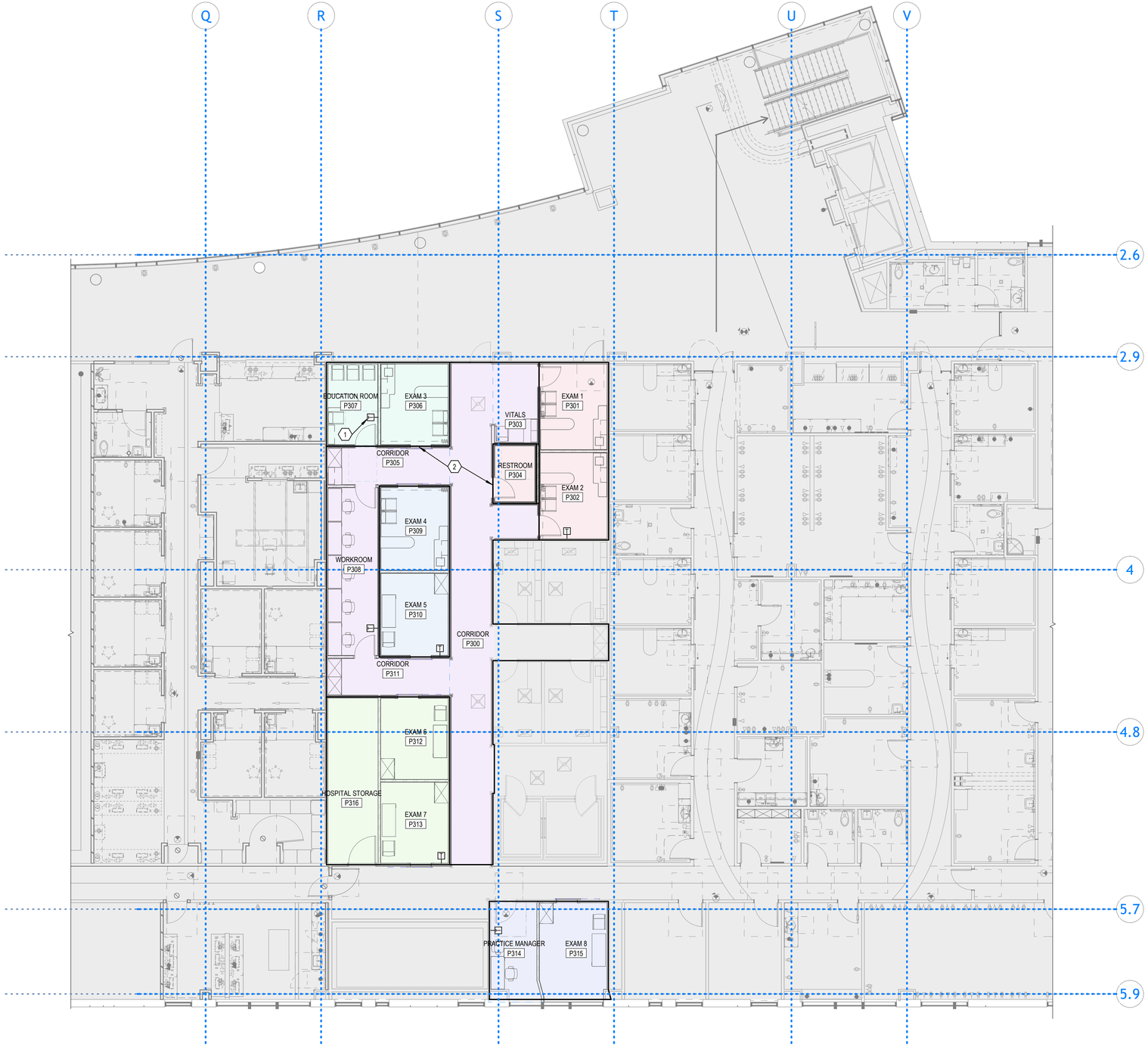
HVAC TITLE SHEET
SHEET NAME

M001
SHEET NUMBER

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KEYNOTES

1	NEW THERMOSTAT. COORDINATE EXACT PLACEMENT OF THERMOSTAT WITH ARCHITECTURAL ELEVATIONS. TYPICAL.
2	COLORED REGIONS REPRESENT INDIVIDUALLY CONTROLLED THERMAL ZONE BOUNDARIES. TYPICAL.



1 3RD FLOOR HVAC ZONE PLAN
1 / MZ103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 2"
1/8" = 1'-0"

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VERO ARCHITECTURE

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#	DATE	DESCRIPTION

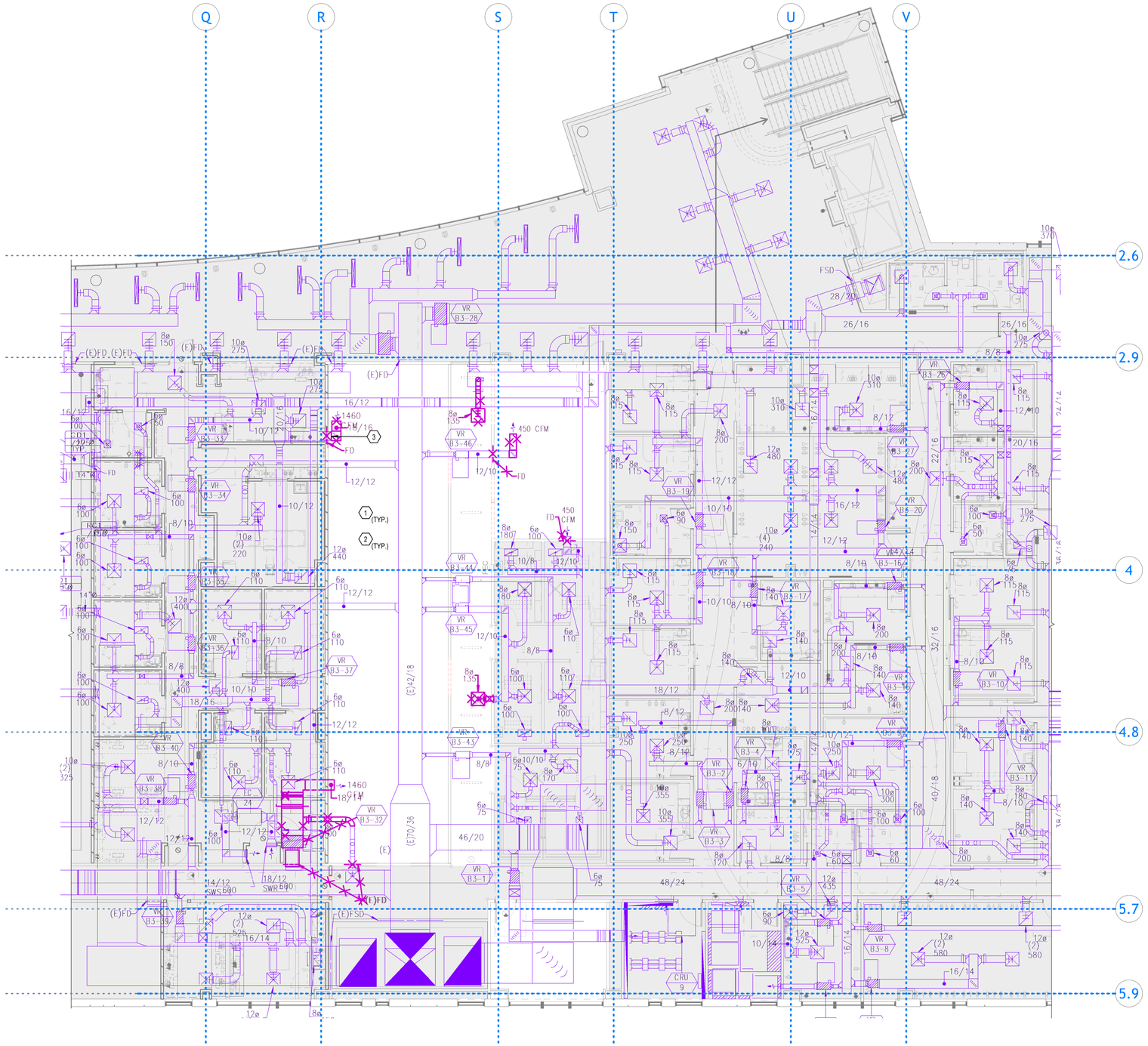
3RD FLOOR HVAC ZONE PLAN

SHEET NAME

MZ103
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	ALTER EXISTING PIPING AS REQUIRED TO COORDINATE WITH DUCTWORK AND OTHER TRADES. THIS MAY REQUIRE REMOVAL AND REINSTALLATION OF ALL PIPING. TYPICAL
3	DEMOLISH RETURN DUCT BACK TO THIS POINT AND CAP.



1 3RD FLOOR MECHANICAL DEMO PLAN
1 / MD103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 1/8" = 1'-0" 2"

4/28/2026 4:35:12 PM

VERO ARCHITECTURE

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

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Project #: 260007
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM EXPANSION
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:	25029
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

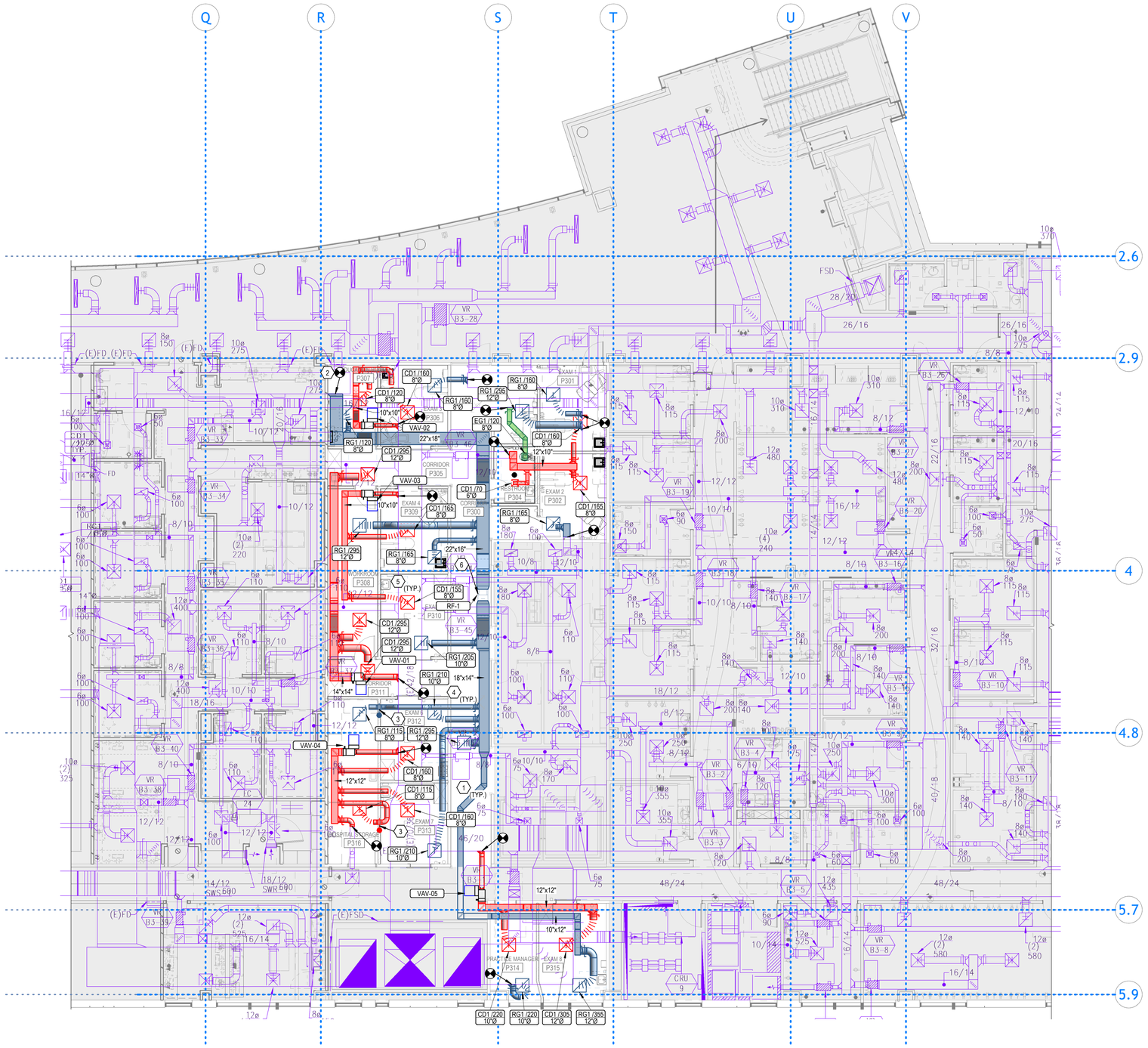
#	DATE	DESCRIPTION
1		

3RD FLOOR MECHANICAL DEMO PLAN
SHEET NAME

MD103
SHEET NUMBER

KEYNOTES

1	EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. NEW WORK SHOWN COLORED AND DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
2	CONNECT TO EXISTING DUCT AT APPROXIMATELY THIS POINT. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
3	INSTALL FIRE DAMPER IN RATED WALL WITH THIS SYMBOL. TYPICAL.
4	COORDINATE ALL WORK WITH BUILDING SHUT DOWNS AS NECESSARY.
5	ALTER EXISTING PIPING AS REQUIRED TO COORDINATE WITH DUCTWORK AND OTHER TRADES. THIS MAY REQUIRE REMOVAL AND REINSTALLATION OF ALL PIPING. TYPICAL.
6	NEW INLINE RETURN FAN. SEE MECHANICAL SCHEDULES.



1 **3RD FLOOR MECHANICAL PLAN**
1 / M103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 2"
1/8" = 1'-0"

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VERO ARCHITECTURE
1480 ORCHARD DRIVE
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#	DATE	DESCRIPTION
1		

3RD FLOOR MECHANICAL PLAN
SHEET NAME

M103
SHEET NUMBER

KEYNOTES

1	DEMOLISH EXISTING VAV BOX, ASSOCIATED PIPING AND THERMOSTAT.
2	DEMOLISH EXISTING THERMOSTAT.
3	ALTER EXISTING PIPING AS REQUIRED TO COORDINATE WITH DUCTWORK AND OTHER TRADES. THIS MAY REQUIRE REMOVAL AND REINSTALLATION OF ALL PIPING. TYPICAL



3RD FLOOR MECHANICAL PIPING DEMOLITION PLAN

1 1/MPD103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 2"
1/8" = 1'-0"

4/28/2026 4:35:22 PM

VERO ARCHITECTURE

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EXPANSION

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LAYTON, UT 84041

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PROJECT STATUS

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No. 178893
DONALD K. BRADSHAW
STATE OF UTAH

ARCHITECT STAMP

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PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION

3RD FLOOR MECHANICAL PIPING DEMO
SHEET NAME

MPD103
SHEET NUMBER

KEYNOTES

1	CONNECT TO EXISTING PIPING AT APPROXIMATELY THIS POINT. FIELD VERIFY. TYPICAL.
2	EXISTING SHOWN PURPLE AND LIGHT TO REMAIN. NEW WORK SHOWN COLORED AND DARK. FIELD VERIFY EXISTING CONDITIONS. TYPICAL.
3	COORDINATE ALL WORK WITH BUILDING SHUT DOWNS AS NECESSARY.
4	ALTER EXISTING PIPING AS REQUIRED TO COORDINATE WITH DUCTWORK AND OTHER TRADES. THIS MAY REQUIRE REMOVAL AND REINSTALLATION OF ALL PIPING. TYPICAL



1 3RD FLOOR MECHANICAL PIPING PLAN
1 / MP103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 2"
1/8" = 1'-0"

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VERO ARCHITECTURE

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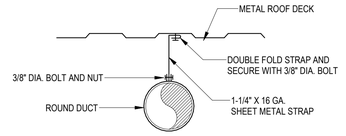
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STATE OF UTAH
ARCHITECT STAMP

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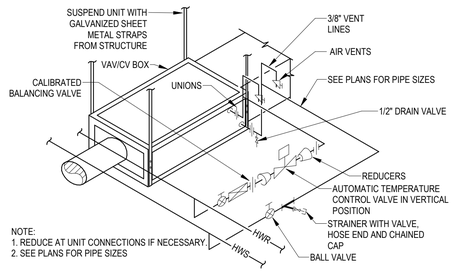
#	DATE	DESCRIPTION

3RD FLOOR MECHANICAL PIPING PLAN
SHEET NAME

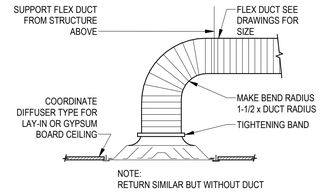
MP103
SHEET NUMBER



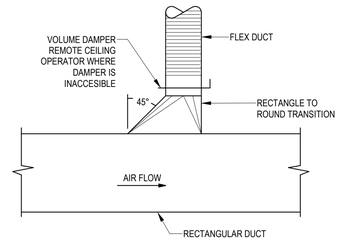
5 M500 ROUND DUCT SUPPORT DETAIL
NOT TO SCALE



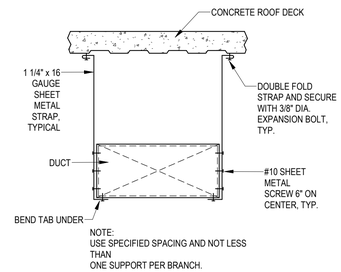
6 M500 VAV/CV TERMINAL UNIT WITH 2-WAY CONTROL VALVE DETAIL
NOT TO SCALE



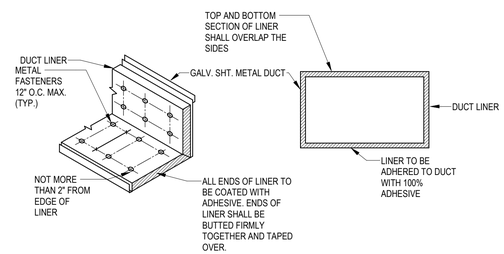
1 M500 DIFFUSER CONNECTION DETAIL
NOT TO SCALE



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

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DONALD K. BRADSHAW
STATE OF UTAH
ARCHITECT STAMP

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#	DATE	DESCRIPTION

MECHANICAL DETAILS
SHEET NAME

M500
SHEET NUMBER

4/28/2026 4:35:24 PM

Grille, Register, and Diffuser Schedule

ID	Manufacturer and Model	Count	Description
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	1	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"X1/2" 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	14	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	10	885 CFM	266 CFM	30%	22,939 Btu/h	531 CFM	55 °F	95 °F	1.5 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	WATER	39 lb	1,2,3,4,5,6
VAV-02	Titus	DESV	Single Duct	6	280 CFM	84 CFM	30%	7,258 Btu/h	168 CFM	55 °F	95 °F	0.5 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	WATER	32 lb	1,2,3,4,5,6
VAV-03	Titus	DESV	Single Duct	6	320 CFM	96 CFM	30%	8,294 Btu/h	192 CFM	55 °F	95 °F	0.6 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	WATER	32 lb	1,2,3,4,5,6
VAV-04	Titus	DESV	Single Duct	8	435 CFM	131 CFM	30%	11,275 Btu/h	261 CFM	55 °F	95 °F	0.8 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	WATER	34 lb	1,2,3,4,5,6
VAV-05	Titus	DESV	Single Duct	8	525 CFM	158 CFM	30%	13,608 Btu/h	315 CFM	55 °F	95 °F	0.9 GPM	130 °F	30 °F	10.0 FT	100 °F	2	8	WATER	34 lb	1,2,3,4,5,6

FAN SCHEDULE

					AIR			FAN			ELECTRICAL				PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QUAN.	TYPE	MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. H2O)	MAX. AIR TEMP. (°F)	FAN SPEED (RPM)	FAN WHEEL DIA. (IN)	STATIC EFFICIENCY (%)	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
RF-1	COOK 120SQ28D (VF)	LEVEL 3	1	DUCT MOUNTED, INLINE	1390	0.75	74	2107	12	32	0.75	0.619	2800	208/1/60	18/21/21	1

1. PROVIDE ECM DIRECT DRIVE MOTOR WITH UNIT MOUNTED FAN SPEED CONTROLLER FOR BALANCING.

VERO ARCHITECTURE
1480 ORCHARD DRIVE
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CONSULTANTS

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BID SET
PROJECT STATUS

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

ISSUE DATE:	2026.04.30
PROJECT NO:	25029
PROJECT PHASE:	
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#	DATE	DESCRIPTION
1		

MECHANICAL SCHEDULES
SHEET NAME

M600
SHEET NUMBER

4/28/2026 4:35:24 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
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
P/V	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	STAND/PIPE
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	DESIGN SIZE
2" FD-1	IDENTITY TYPE
2 DFU	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	COMBINATION DRAIN
2000 SF	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. COORDINATE FAN FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
7. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
8. 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.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
10. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
11. LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
12. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
13. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
14. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
15. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
16. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
17. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
18. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
19. HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
20. 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.
21. 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.
22. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
23. FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
24. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
25. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
- 25.1 • SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
- 25.2 • LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
- 25.3 • LOCATE AT THE BASE OF EACH VERTICAL STACK.
26. 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, RESPECTIVELY, AS WELL AS ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
27. 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, RESPECTIVELY, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.

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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:	25029
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

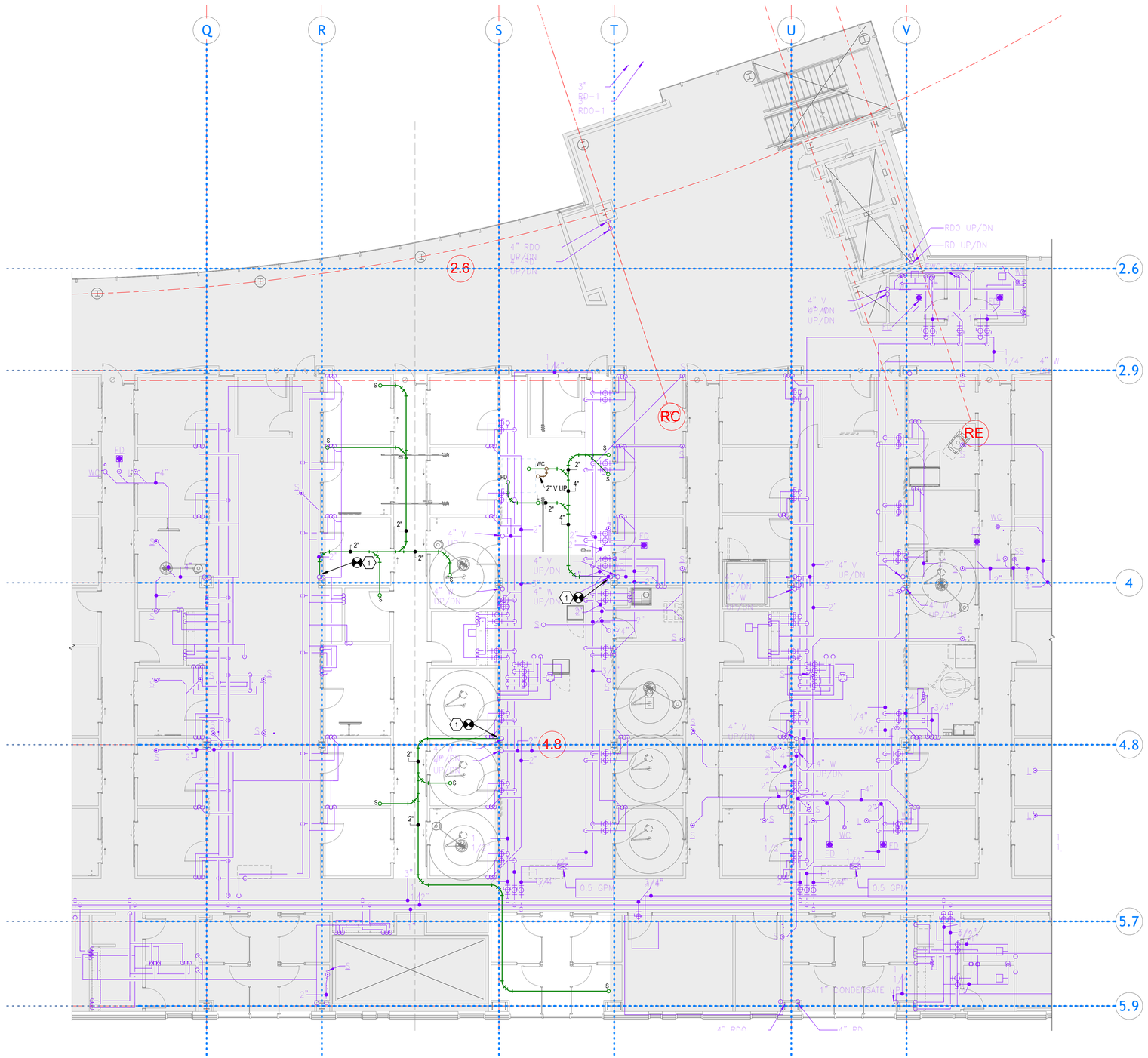
#	DATE	DESCRIPTION
		Title Sheet Revision

PLUMBING TITLE SHEET
SHEET NAME

P001
SHEET NUMBER

4/28/2026 4:39:25 PM

KEYNOTES	
1	NEW CONNECTION TO EXISTING WASTE RISER HERE.



1 2ND FLOOR PLUMBING PLAN

1 / P102 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 2"
1/8" = 1'-0"

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#	DATE	DESCRIPTION

2ND FLOOR PLUMBING PLAN

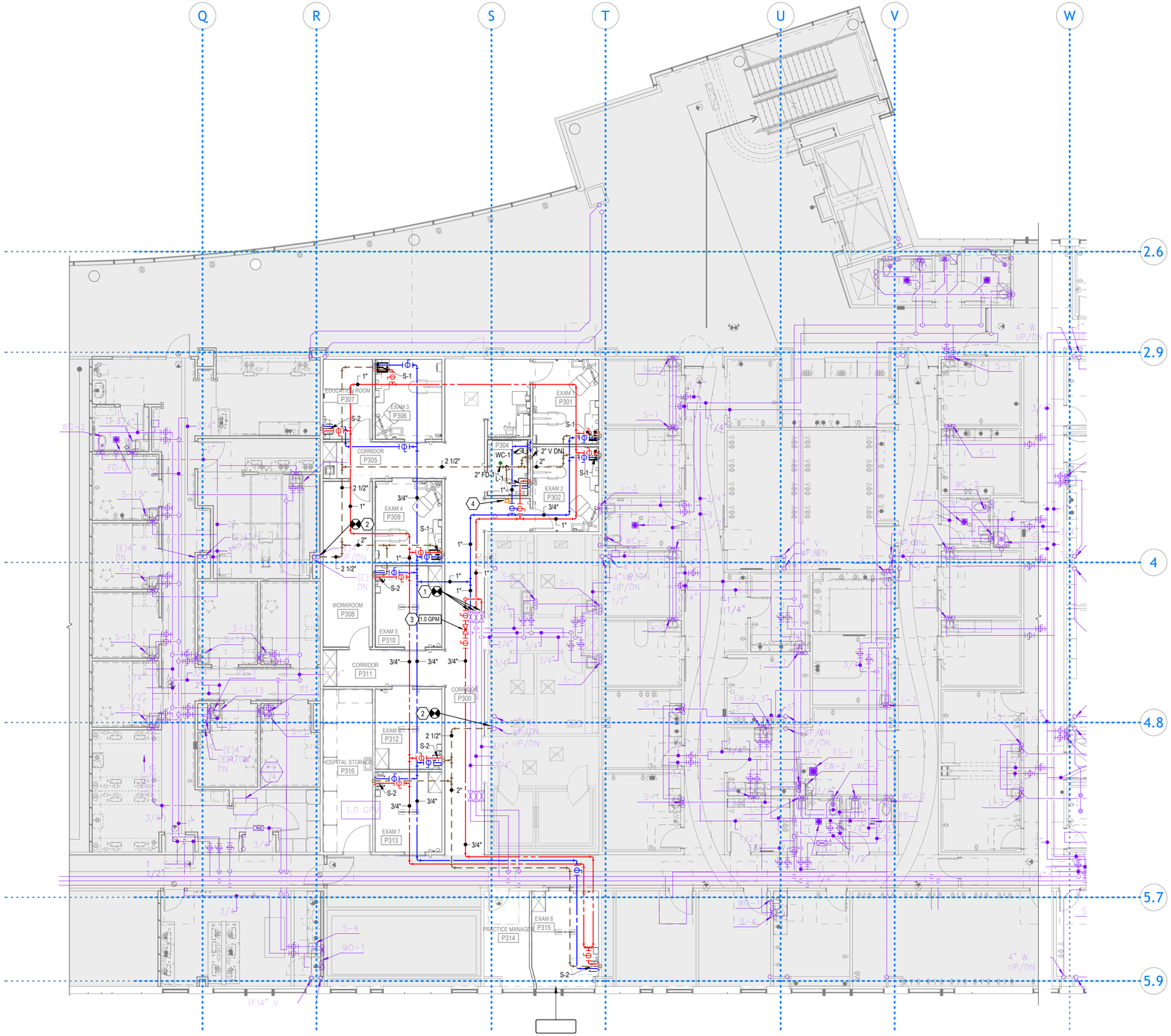
SHEET NAME

P102

SHEET NUMBER

KEYNOTES

1	NEW CONNECTION TO EXISTING DOMESTIC HOT AND COLD WATER PIPING HERE.
2	NEW CONNECTION TO EXISTING VENT RISER HERE.
3	CALIBRATED CIRCUIT SETTER BALANCING VALVE. BALANCE TO FLOW INDICATED.
4	WATER HAMMER ARRESTER, INSTAL IN ACCESSIBLE LOCATION.



1 3RD FLOOR PLUMBING PLAN
1 / P103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 1' 2'
1/8" = 1'-0"

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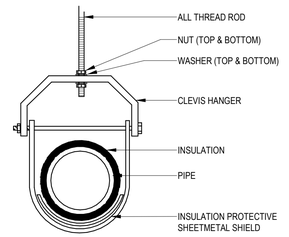
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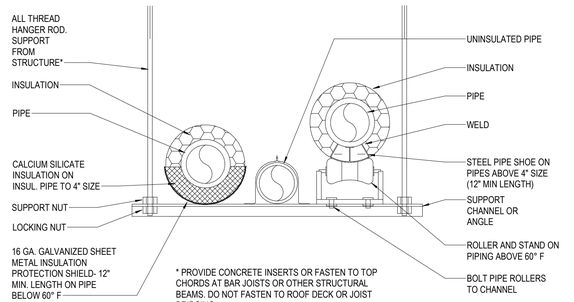
#	DATE	DESCRIPTION

3RD FLOOR PLUMBING PLAN
SHEET NAME

P103
SHEET NUMBER



1 P500 CLEVIS HANGER DETAIL
NOT TO SCALE



2 P500 TRAPEZE PIPE HANGER DETAIL
NOT TO SCALE

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PLUMBING DETAILS
SHEET NAME

P500
SHEET NUMBER

4/28/2026 4:35:29 PM

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
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.
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG, GOOSENECK	LAVATORY (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. WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE TO MEET ASSE 1070. PROVIDE T&S BRASS 016419-25 COMPRESSION CHECK VALVES IN HOT AND COLD SUPPLIES. 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-1	SINK	1/2	1/2	2	1 1/2	COUNTER MOUNTED, SINGLE COMPARTMENT, GOOSENECK	SINK: JUST SL-1815A-J 12" X 12" X 7 1/2" DEEP BOWL, COUNTER MOUNT SINGLE COMPARTMENT 18 GA. STAINLESS STEEL SINK REAR-CENTER DRAIN OFFSET AND 8" CENTERS DRILLING. 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 STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-2	SINK	1/2	1/2	2	1 1/2	WALL HUNG, GOOSENECK	LAVATORY (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. ROVIDE 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.
WC-1	WATER CLOSET	1	-.-	4	2	FLOOR MOUNT, FLUSH VALVE, ADA	WATER CLOSET: KOHLER K-4368 KINGSTON VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, ADA TOILET WITH K-4670-C LUSTRA OPEN FRONT SEAT; SLOAN REGAL MODEL 111 LOW CONSUMPTION, 1.6 GPF FLUSH VALVE; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.

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

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#	DATE	DESCRIPTION

PLUMBING SCHEDULES
SHEET NAME

P600
SHEET NUMBER

4/28/2026 4:35:29 PM

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

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 ADEQUATELY 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		

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BID SET
PROJECT STATUS

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

ISSUE DATE:	2026.04.30
PROJECT NO:	25029
PROJECT PHASE:	
DRAWN BY:	Author
CHECKED BY:	Checker

#	DATE	DESCRIPTION
		Title Sheet Revision

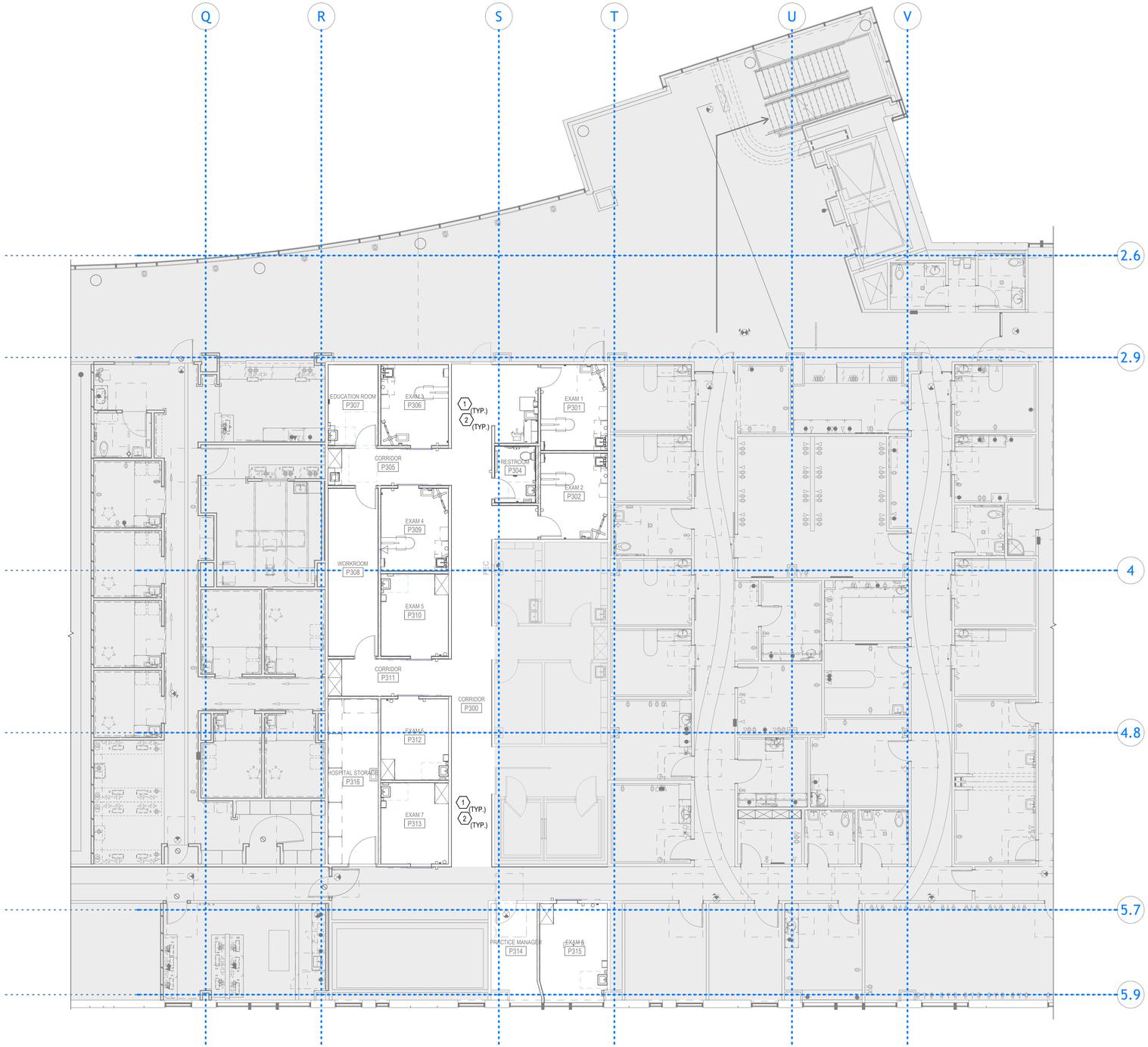
FIRE PROTECTION TITLE SHEET
SHEET NAME

FX001
SHEET NUMBER

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KEYNOTES

1	PROVIDE ENTIRELY NEW FIRE SPRINKLER SYSTEM, INCLUDING NEW MAIN AND BRANCHLINE PIPING THROUGHOUT. COORDINATE EXACT ROUTING AND PLACE 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 **3RD FLOOR FIRE PROTECTION PLAN**
1 / F103 | SCALE: 1/8" = 1'-0"

0 4' 8' 16'
0 2"
1/8" = 1'-0"

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#	DATE	DESCRIPTION

3RD FLOOR FIRE PROTECTION PLAN
SHEET NAME

F103
SHEET NUMBER

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
MATCH LINE / SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE 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.
XXXET / #	IN-GRADE PULLBOX INDICATOR. "XXXET" INDICATES LABEL SHOWN ON SCHEDULE. "#" IDENTIFIES SEQUENCE NUMBER SHOWN ON SITE AND RISER DIAGRAM. REFER TO PLANS AND EXTERIOR PULLBOX 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.
PB	PULL BOX.
A"xB" +/-C'-D"	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C'-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
J J	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.

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.
D	RECEPTACLE, DUPLEX, DEDICATED CIRCUIT: NEMA 5-20R.
DF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
IG	RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R.
W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": 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, CONNECTED TO UPS: 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.
	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.
	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
T	THERMOSTAT.
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
	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).
T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WITH USB OUTLET
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

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

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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...

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BID SET
PROJECT STATUS

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

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	Checker

#	DATE	DESCRIPTION

ELECTRICAL COVER SHEET
SHEET NAME

EE001
SHEET NUMBER

4/29/2026 11:59:03 AM

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
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.

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
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).
	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.
G	GENERATOR, POWER (ONE-LINE DIAGRAM).
K	KIRK-KEY MECHANICAL INTERLOCK (ONE-LINE DIAGRAM)
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.
	PUSHBUTTONS, MOTOR CONTROL.
	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.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
B B	BUSWAY.

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.
A	DETECTOR, SMOKE WITH AUXILIARY CONTACT.
G	DETECTOR, SMOKE WITH GUARD.
R	DETECTOR, SMOKE, RESIDENTIAL.
S	DETECTOR, SMOKE WITH STROBE.
RS	DETECTOR, SMOKE, RESIDENTIAL WITH SOUNDER BASE.
AS	DETECTOR, SMOKE, AIR SAMPLING SYSTEM PORT LOCATION.
	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.
	DETECTOR, HEAT.
	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.
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.
TV DISTRIBUTION	
T	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
TR	TV DISTRIBUTION CABLE, TRUNK.
CMB	COMBINER.
DC	DIRECTIONAL COUPLER.
DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
SPL	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.
	SATELLITE ANTENNA.
	TV ANTENNA (ONE-LINE DIAGRAM).
	TERMINATOR, 75 OHM (TV DISTRIBUTION).
X	HDMI RECEPTACLE WITH SINGLE GANG BACKBOX AND 1.25" CONDUIT STUBBED TO ACCESSIBLE CEILING. PROVIDE 2.1 HDMI CABLE BETWEEN HDMI RECEPTACLES. "X" INDICATES QUANTITY OF HDMI PORTS WHEN GREATER THAN 1.

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BID SET
PROJECT STATUS

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

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	Checker

#	DATE	DESCRIPTION

SYMBOLS LEGEND
SHEET NAME

EE002
SHEET NUMBER

4/29/2026 11:59:04 AM

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

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

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-RXA
	STATION CABLE - CATEGORY 6 UTP, PLENUM RATED, ORANGE, NURSE CALL	SIEMON 9C6P4-E3-09-RXA
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	NOTE: FOR FLOOR BOX APPLICATIONS ONLY, USE DECORA FRAME	SIEMON MX-D4Z-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
	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
	BLANK FILLER PANEL, 1RU FLAT PANEL, BLACK	SIEMON PNL-BLNK-1
SPP1	48 PORT, 1RU ANGLED PATCH PANEL W/ OUTLETS - DETACHABLE REAR MANAGER	SIEMON Z6AS-PA-48
NCPP1	24 PORT, 1RU FLT PATCH PANEL W/ OUTLETS	SIEMON UP6-F1-24L-RS
	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
	CABLE BASKET TRAY, GALVANIZED (REFER TO FLOOR PLANS FOR CABLE TRAY SIZING	CABLOFIL, LEGRAND, WBT, OR COOPER B-LINE
	FIRE-RATED SLEEVES (2"x2" FOR ROOM PENETRATIONS, 4"x4" FOR J-HOOK PATHWAYS)	STI EZ PATH, HILTI
	SMOKE/ ACOUSTICAL-RATED SLEEVES (2"x2" FOR ROOM PENETRATIONS, 4"x4" FOR J-HOOK PATHWAYS)	STI EZ PATH, HILTI
	TRIPLE-TREE J-HOOKS	CADDY CAT64HPSWM3

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.

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BID SET

PROJECT STATUS

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

ARCHITECT STAMP

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	Checker

#	DATE	DESCRIPTION

TELECOM SCHEDULES AND NOTES

SHEET NAME

EE003

SHEET NUMBER

4/29/2026 11:59:05 AM

NURSE CALL DEVICE SCHEDULE

FAMILY TYPE	DESCRIPTION	MANUFACTURER	MOUNTING OPTIONS	BACK BOX TYPE (UL 514-A LISTED)	TYPICAL MOUNTING HEIGHT	CABLE REQUIREMENTS
(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
(Ds) Dome Light, Single Bulb Wall	SINGLE BULB DOME LIGHT	HILL-ROM	WALL	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
(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
(Seb) Staff Emergency	SWITCH, STAFF EMERGENCY PUSH BUTTON SWITCH	HILL-ROM	WALL	4" SQ BOX 2-1/8" DEEP W/1-GANG MUD RING	48" AFF	1 CAT6 CABLE TO RCB
(Z) Zone Light Ceiling	ICON BASED-LIGHT LED ZONE LIGHT	HILL-ROM	CEILING	4" SQ BOX 2-1/8" DEEP W/1-GANG MUD RING		1 CAT6 CABLE TO RCB

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.

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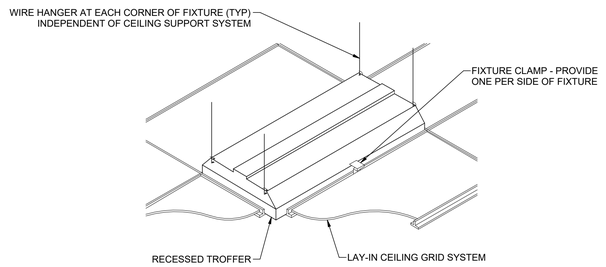
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DRAWN BY:	JRB
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#	DATE	DESCRIPTION

AUXILIARY SCHEDULES AND NOTES
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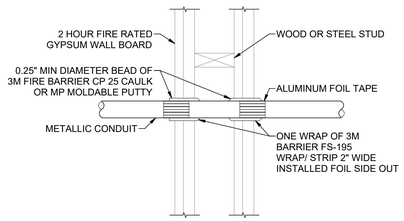
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SHEET NUMBER

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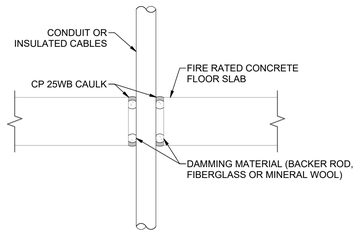
7 RECESSED FIXTURE MOUNTING DETAIL

SCALE: NTS



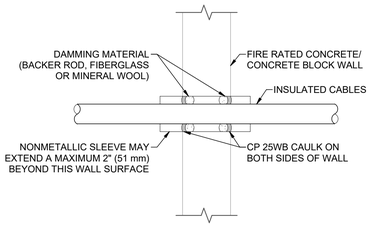
4 FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD

SCALE: NTS



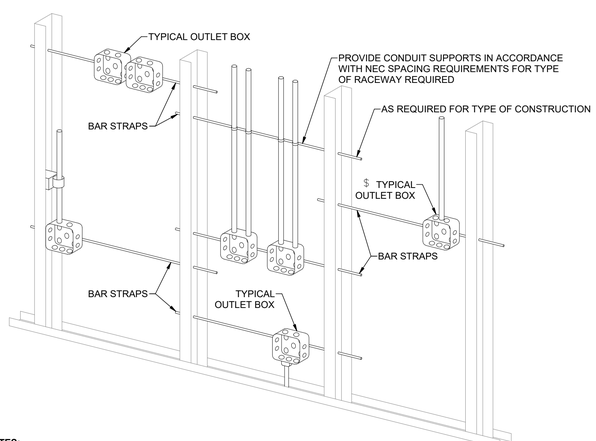
5 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

SCALE: NTS



6 TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS

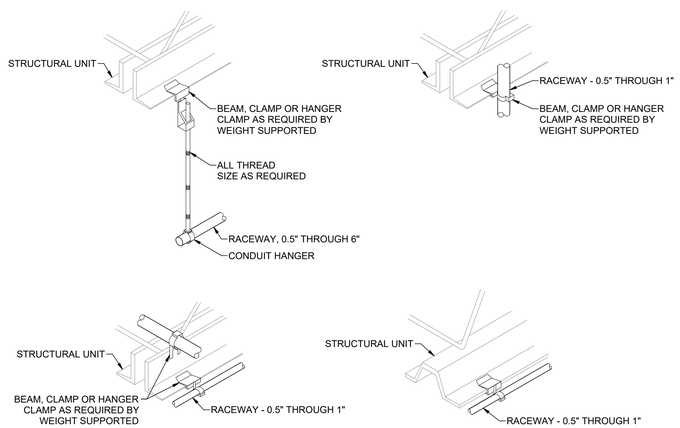
SCALE: NTS



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

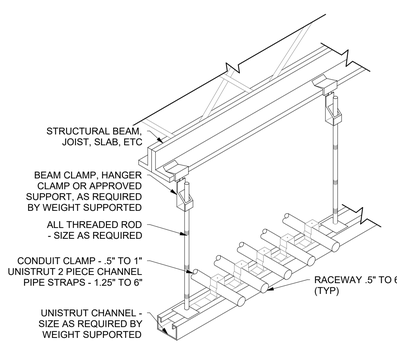
SCALE: NTS



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

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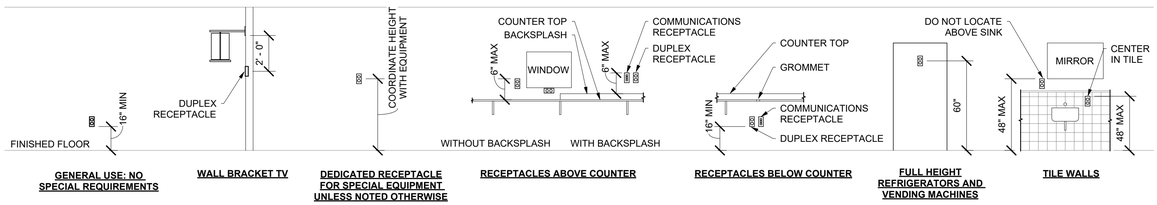
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STATE OF UTAH
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ISSUE DATE:	04/30/2026
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ELECTRICAL DETAILS
SHEET NAME

EE501
SHEET NUMBER

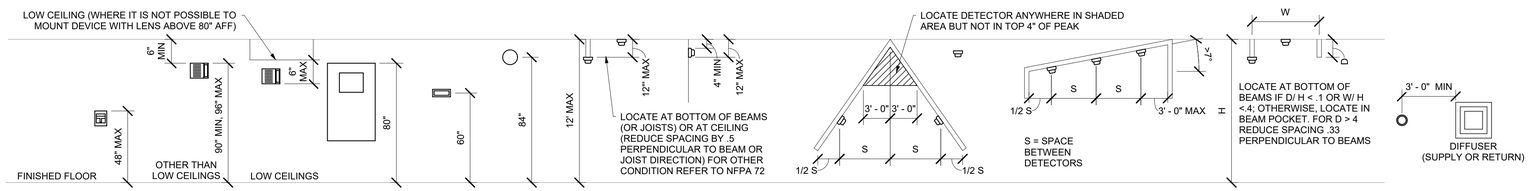


GENERAL USE: NO SPECIAL REQUIREMENTS | **WALL BRACKET TV** | **DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT UNLESS NOTED OTHERWISE** | **RECEPTACLES ABOVE COUNTER** | **RECEPTACLES BELOW COUNTER** | **FULL HEIGHT REFRIGERATORS AND VENDING MACHINES** | **TILE WALLS** | **DRINKING FOUNTAIN - SIDE ELEVATIONS**

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

7 RECEPTACLE MOUNTING DETAILS

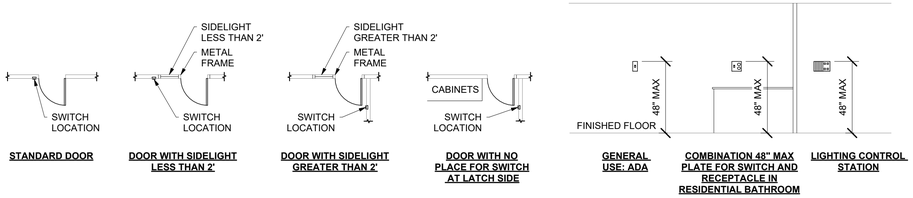
SCALE: NTS



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

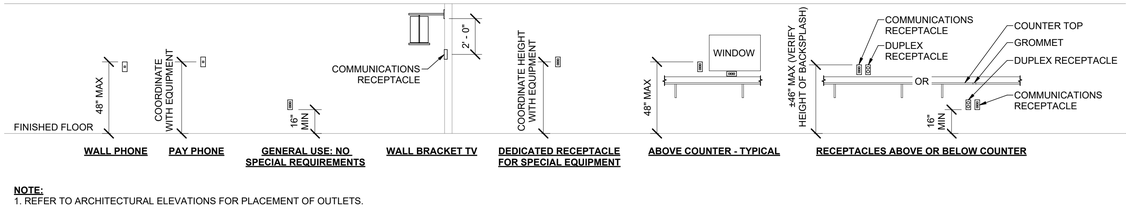
SCALE: NTS



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

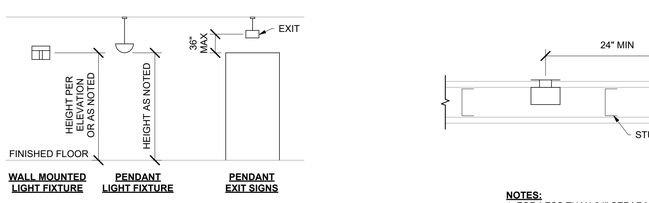


WALL PHONE | **PAY PHONE** | **GENERAL USE: NO SPECIAL REQUIREMENTS** | **WALL BRACKET TV** | **DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT** | **ABOVE COUNTER - TYPICAL** | **RECEPTACLES ABOVE OR BELOW COUNTER**

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

5 COMMUNICATIONS MOUNTING DETAILS

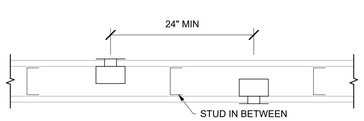
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WALL MOUNTED LIGHT FIXTURE | **PENDANT LIGHT FIXTURE** | **PENDANT EXIT SIGNS**

1 LIGHTING MOUNTING DETAILS

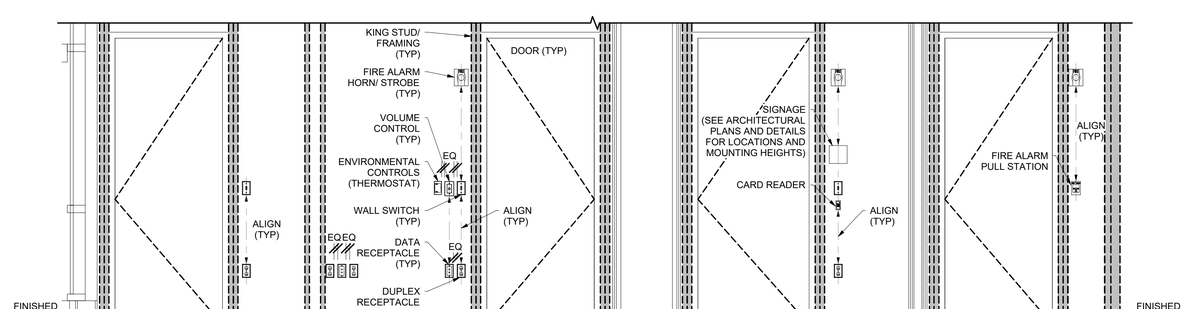
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NOTES:
1. FOR LESS THAN 24" SEPARATION, PROVIDE LISTED SOUND AND FIRE PUTTY PADS.
2. BOXES ON OPPOSITE SIDES OF WALL.

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.

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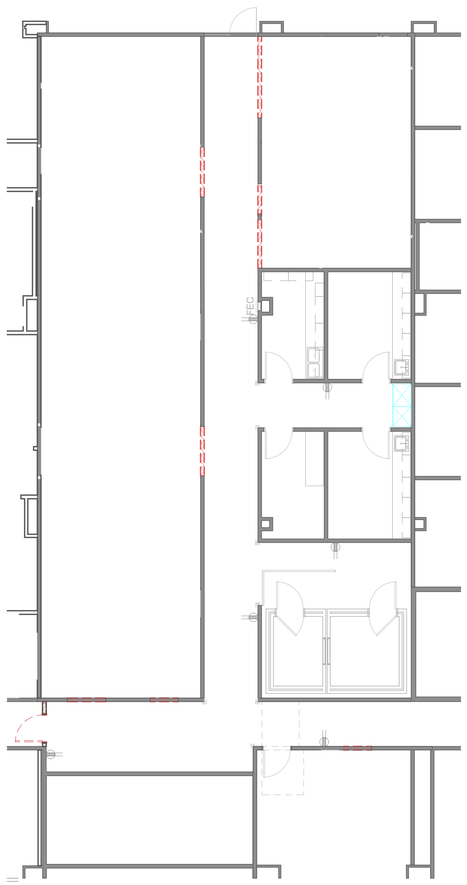
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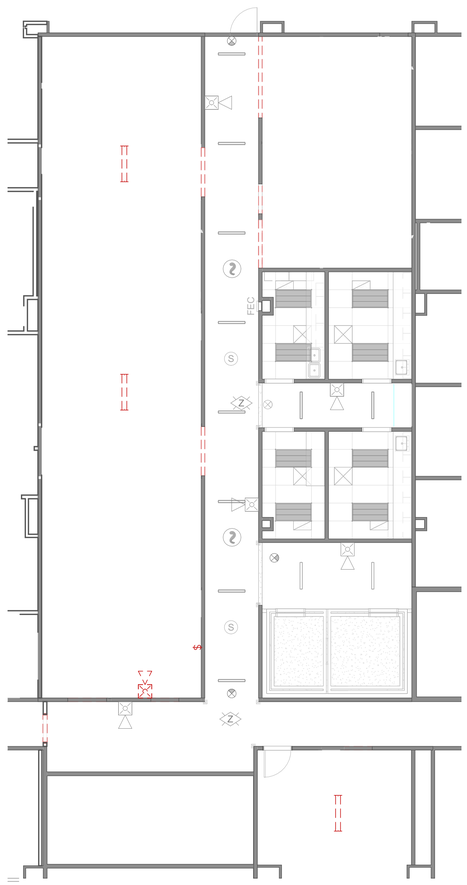
TYPICAL MOUNTING DETAILS
SHEET NAME

EE701
SHEET NUMBER

4/29/2026 11:59:08 AM



1 LEVEL 3 ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 LEVEL 3 CEILING DEMOLITION PLAN
SCALE: 1/8" = 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

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CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL PCH EXAM EXPANSION
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:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	Checker

#	DATE	DESCRIPTION

LEVEL 3
ELECTRICAL
DEMOLITION PLAN
SHEET NAME

ED101
SHEET NUMBER

4/29/2026 11:59:10 AM



1 LEVEL 3 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 SHAL LMEET THE REQUIREMENTS OF NEC 517.13.

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

SHEET KEYNOTES

VERO ARCHITECTURE
1480 ORCHARD DRIVE
BOUNTIFUL, UT 84010
SUITE #105
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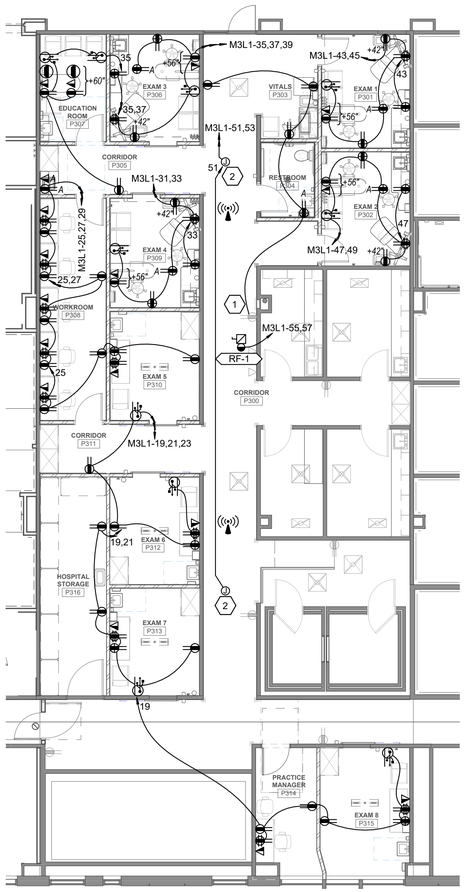
EP100
SHEET NUMBER

4/29/2026 11:59:12 AM

EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE KEY	NOTES:	GENERAL NOTES:
E - DIVISION 26 Q - FURNISHED WITH EQUIPMENT, INSTALLED BY DIV.26	1. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL. 2. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP. 3. INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.	1. LOCATE ELECTRICAL EQUIPMENT IN ACCESSIBLE LOCATION, SUCH THAT IT IS WITHIN SIGHT OF THE EQUIPMENT IT IS SERVING, AND COMPLIES WITH N.E.C. REQUIRED CLEARANCES. 2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED. 3. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID. 4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER DIVISION SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.

			LOAD DATA							OCPD		DISCONNECT		MOTOR CONTROLLER				
LABEL	QTY	DESCRIPTION	HP	kW	MCA	FLA	V	PH	WIRE AND CONDUIT SIZE	DEVICE	FED FROM	PROVIDED BY	DEVICE	PROVIDED BY	DEVICE	SIZES	NEMA ENCLOSURE RATING	NOTES
RF-1	1		.75	-	-	7.6	208	1	2 #12, #12 GR 0.75" CND	20/2 CB	M3L1	Q	30A/2P FRS-15	Q	-	-	-	



1 LEVEL 3 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 SHAL LMEET THE REQUIREMENTS OF NEC 517.13.

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

SHEET KEYNOTES

1 CONNECT TO EXISTING NORMAL POWER CIRCUIT.

2 PROVIDE 120V CONNECTION IN ACCESSIBLE CEILING FOR VAV'S.

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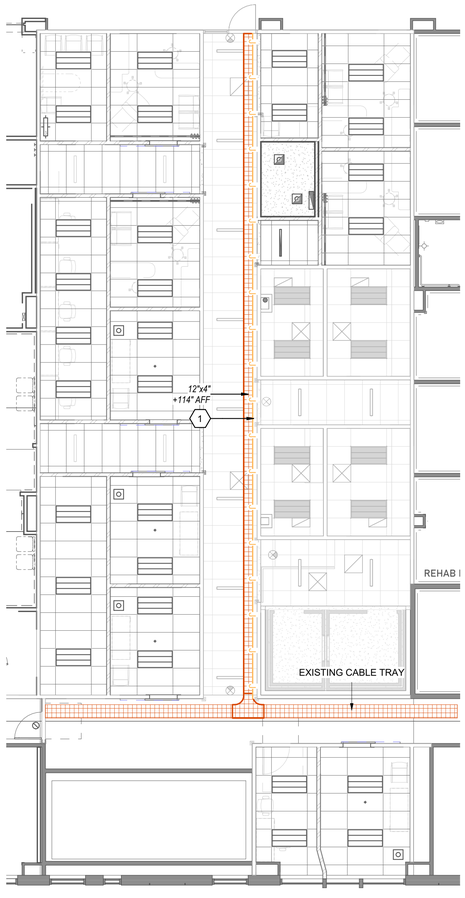
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#	DATE	DESCRIPTION
1	04/09/26	State Health

LEVEL 3 POWER PLAN
SHEET NAME

EP101
SHEET NUMBER

4/29/2026 11:59:15 AM



1 LEVEL 3 ELECTRICAL RACEWAY PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CONTRACTOR TO PROVIDE AND INSTALL 3-TIER 4" J-HOOK PATHWAYS FOR ANCILLARY LOW VOLTAGE SYSTEMS.

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LEVEL 3 ELECTRICAL RACEWAY CEILING PLAN
SHEET NAME

EP201
SHEET NUMBER

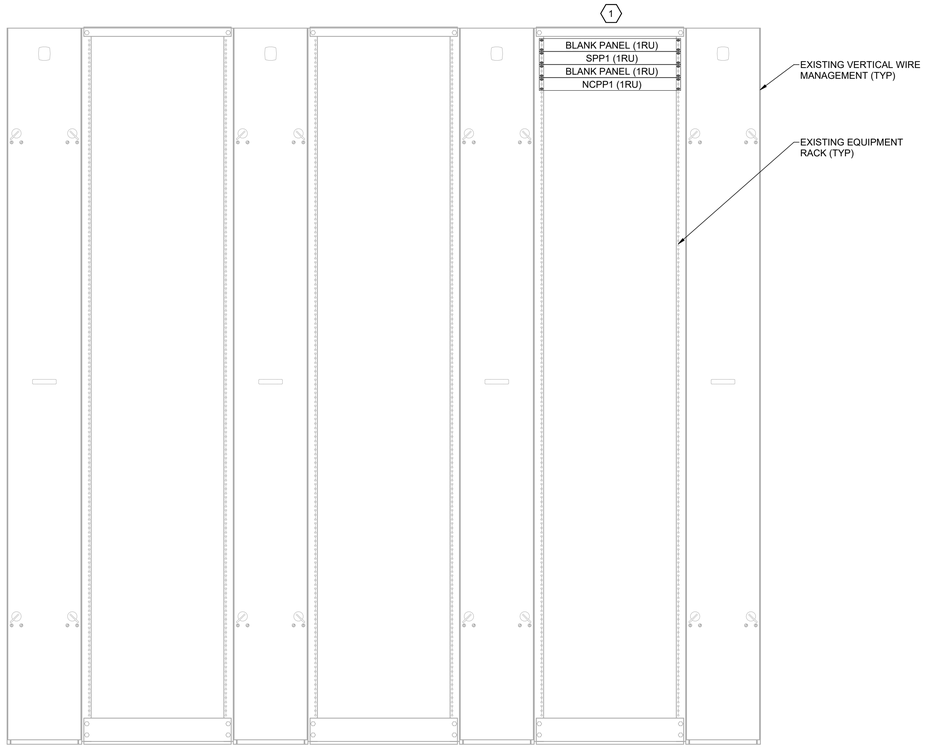
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SHEET KEYNOTES

1 COORDINATE FINAL TERMINATION LOCATION WITH OWNER PRIOR TO INSTALLATION.

DATA DEVICE DROP SCHEDULE - EXISTING TDR

DATA DEVICE TYPE	DETAIL LOCATION	COMM ROOM LOCATION	TOTAL BY FLOOR	NUM. OF DROPS
LEVEL 3				
CEILING WIRELESS ACCESS POINT (2-DROP)		EXISTING TDR	2	4
WALL DATA (2-DROP)		EXISTING TDR	16	32
WALL DATA - ABOVE COUNTER (2-DROP)		EXISTING TDR	1	2
Grand total			19	38



1 TYPICAL EQUIPMENT RACK ELEVATION DETAIL, EXISTING TDR
SCALE: NTS

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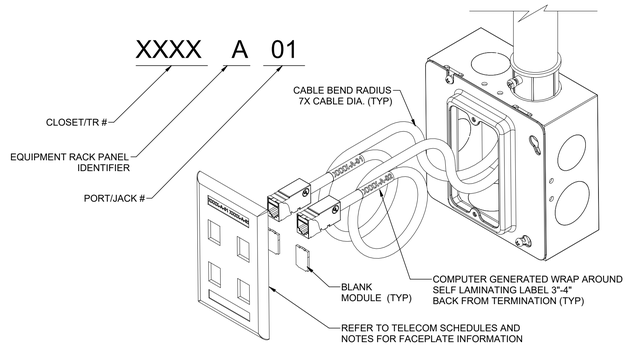
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TELECOM EQUIPMENT RACK ELEVATIONS
SHEET NAME

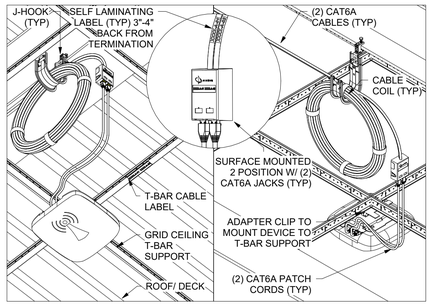
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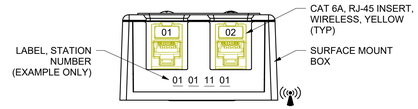
5 TYPICAL CABLE IDENTIFICATION WRAP AROUND DETAIL

SCALE: NTS



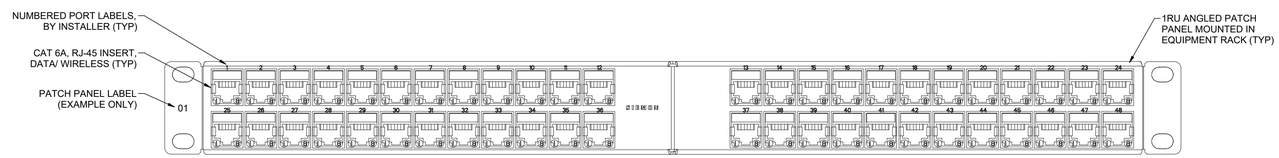
4 WIRELESS ACCESS POINT MOUNTING DETAIL (T-BAR)

SCALE: NTS



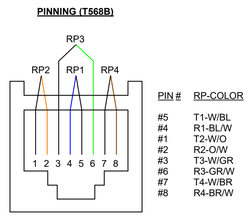
2 TYPICAL 2-PORT WIRELESS ACCESS POINT

SCALE: NTS



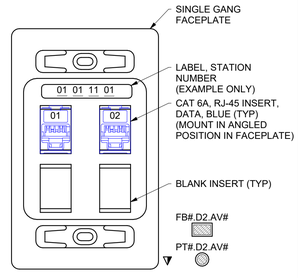
6 STATION PATCH PANEL DETAIL (SPP1)

SCALE: NTS



3 TYPICAL VOICE/DATA OUTLET PINNING DETAIL

SCALE: NTS



1 TYPICAL 2-PORT WALL DATA OUTLET

SCALE: NTS

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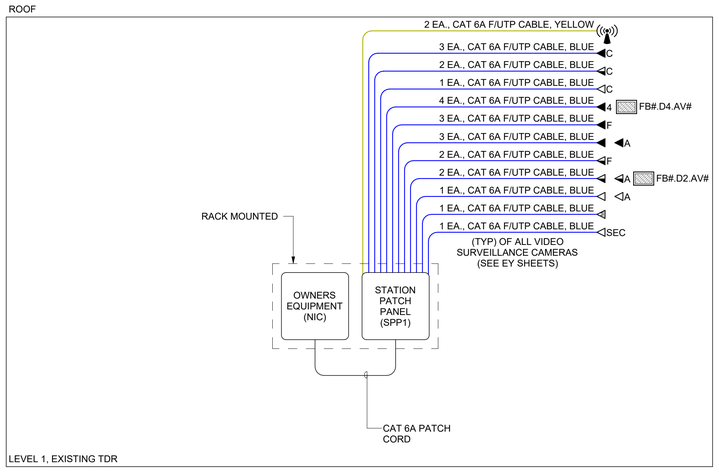
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TELECOM DETAILS
SHEET NAME

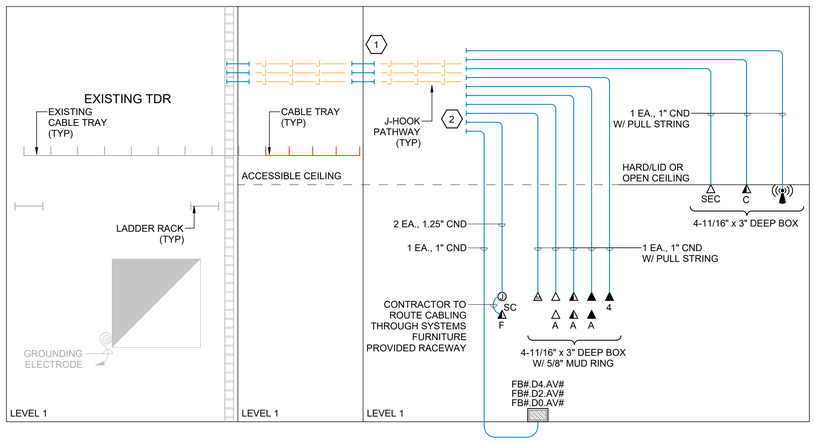
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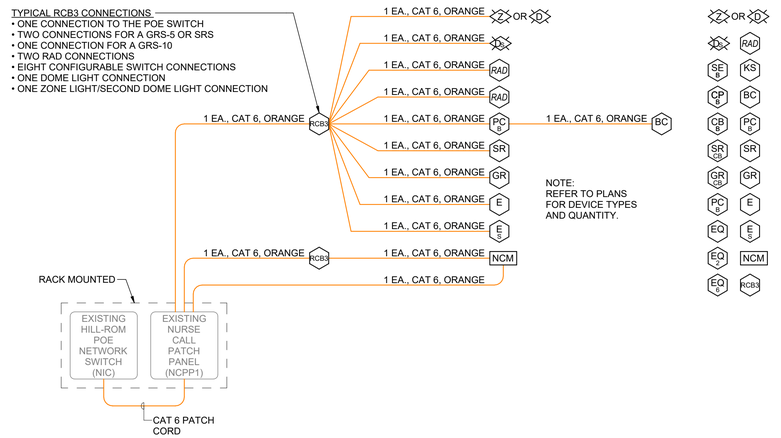
3 TELECOM CABLE RISER DIAGRAM

SCALE: NTS



2 TELECOM CONDUIT RISER DIAGRAM

SCALE: NTS



1 NURSE CALL CABLE RISER DIAGRAM

SCALE: NTS

SHEET KEYNOTES

1 CONTRACTOR TO PROVIDE SLEEVES THROUGH ALL WALLS FOR CABLE PATHWAYS. ALL FIRE-RATED WALLS REQUIRE A FIRE-RATED SLEEVE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL SMOKE/ NON-RATED WALLS REQUIRE A CONDUIT SLEEVE WITH BUSHINGS AND ARE REQUIRED TO BE SEALED WITH FIRE-RATED CAULK AND PUTTY. CONTRACTOR TO DETERMINE FINAL NUMBER OF SLEEVES FOR PENETRATIONS THROUGH WALLS.

2 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.

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 60". 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.

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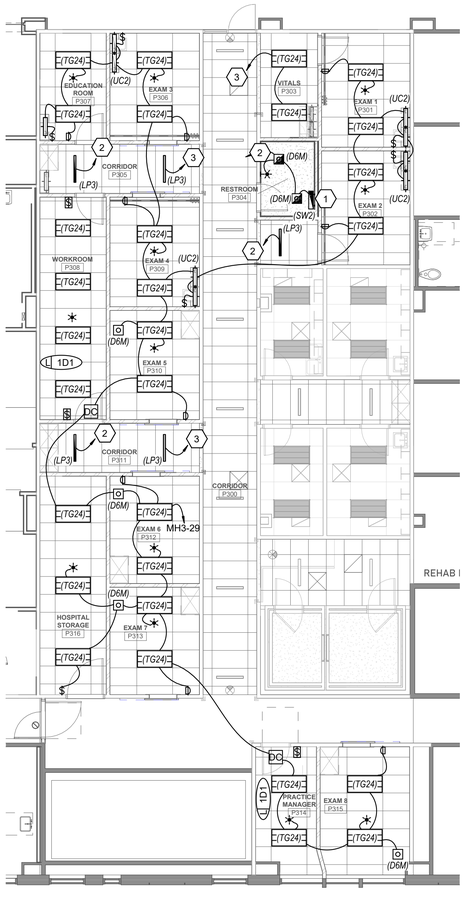
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TELECOM CONDUIT & CABLE RISER DIAGRAM
SHEET NAME

EP650
SHEET NUMBER

4/29/2026 11:59:21 AM



1 LEVEL 3 LIGHTING PLAN

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

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CENTER LIGHTING FIXTURE OVER SINK/MIRROR.

2 CONNECT TO CLOSEST EXISTING EMERGENCY EGRESS LIGHTING CIRCUIT.

3 CONNECT TO EXISTING NORMAL POWER CORRIDOR LIGHTING CIRCUIT.

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LEVEL 3 LIGHTING PLAN

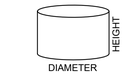
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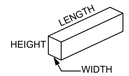
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SHEET NUMBER

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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)
(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	LITHONIA LIGHTING (LDN4SQ-LS4AR-35/20-LSS-MVOLT-EZ10)
(LP3)	DESCRIPTION: 4" X 3' LINEAR DIRECT PENDANT, AIRCRAFT CABLE MOUNTED TO DECK, CONTRACTOR TO FIELD VERIFY LENGTHS PRIOR TO ORDERING MOUNTING: CEILING, PENDANT FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 3' - 0" WIDTH: 0' - 4" DEPTH: -	2,000		3500K	90	0-10V DIMMING (1%)	120/277	19	EDGE (EX3B-A-O-35HO-3-AC48ST-UNV-2D-W)
(SW2)	DESCRIPTION: 2' LED VANITY LIGHT, SATIN CHROME FINISH, 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	LBL (LW496-OP-XX-LED-277)
(TG24)	DESCRIPTION: 2' X 4' LED TROFFER, EDGE LIT PANELS, GRID LAY-IN MOUNTING: CEILING, RECESSED FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 4' - 0" WIDTH: 2' - 0" DEPTH: -	6,700		3500K	90	0-10V DIMMING (1%)	120/277	50	ADEO 2X4 (AD24A-CL4300-35-G1-UNV-1D-W-AM)
(UC2)	DESCRIPTION: 2' LED UNDERCABINET LIGHT MOUNTING: SURFACE FINISH: SCBA OPTICS: - OPTIONS: - EM: -	LENGTH: 2' - 0" WIDTH: - DEPTH: -	600		3500K	90	NO DIMMING	120/277	8	HEALTHCARE LIGHTING (HUC23-277-LED30-S1-AM)

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BID SET
PROJECT STATUS

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

ISSUE DATE:	04/30/2026
PROJECT NO:	25010
PROJECT PHASE:	
DRAWN BY:	JRB
CHECKED BY:	Checker

#	DATE	DESCRIPTION

INTERIOR LIGHTING FIXTURE SCHEDULE
SHEET NAME

EL601
SHEET NUMBER

4/29/2026 11:59:23 AM

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

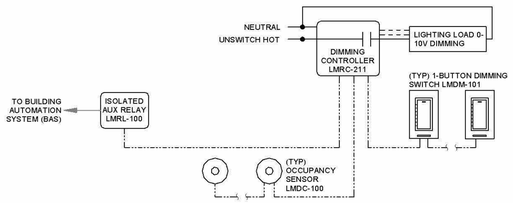
1. # = NUMBER OF ZONES
2. D = DIMMING, S = SWITCHING
3. P = DAYLIGHT PHOTOCELL
4. L = PLUG LOAD CONTROLLER
5. # = INSTANCE

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"	-	-	-	-	-	-	-	-	-	

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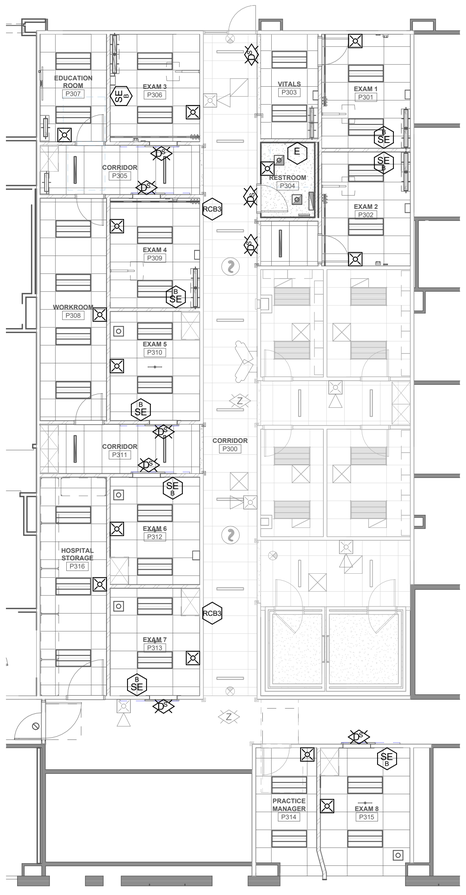
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LIGHTING CONTROL SCHEDULES
SHEET NAME

EL604
SHEET NUMBER

4/29/2026 11:59:24 AM



1 LEVEL 3 AUXILIARY PLAN
SCALE: 1/8" = 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 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.

3 ALL WIRING FOR FIRE ALARM DEVICES SHOULD BE RUN IN 1" CONDUIT PER SPECIFICATION 282400.

SHEET KEYNOTES

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LEVEL 3 AUXILIARY PLAN
SHEET NAME

EY101
SHEET NUMBER

4/29/2026 11:59:26 AM